

RECORD



PLANS

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
DESIGN AND CONSTRUCTION DIVISION
PLANS FOR CONSTRUCTING THE
EUCLID - NORTH SYRACUSE HIGHWAY

From Station Re 20+00 to Station SB 387+93, a length of 6.97 miles (Plus 3.80 miles of Access) of which 5.95 miles (Plus 1.90 miles of Access) is in the Town of Clay; 0.67 mile (Plus 1.02 miles of Access) is in the Town of Cicero and 0.35 mile (Plus 0.88 mile of Access) is in the Village of North Syracuse
CONTRACT No. S.H. 69-5

AND FOR RECONSTRUCTING A PORTION OF THE
PHOENIX - SYRACUSE, STATE HIGHWAY No. 5274
Between Station Re 8+00 and Station Re 20+00, a length of 0.23 mile (Plus 0.42 mile of Access) in the Town of Clay

AND FOR RECONSTRUCTING A PORTION OF THE
BALDWINVILLE - CICERO, STATE HIGHWAY No. 1039
Between Station A 8+00 and Station A 26+00, a length of 0.34 mile in the Town of Clay

AND FOR RECONSTRUCTING A PORTION OF THE
SYRACUSE - CICERO, STATE HIGHWAY No. 5470
Between Station J 0-300 and Station J 22+50, a length of 0.48 mile of which 0.46 mile is in the Town of Clay and 0.02 mile is in the Town of Cicero
A TOTAL CONTRACT LENGTH OF 1.05 MILES (Plus 0.42 Mile of Access)
CONTRACT No. R.C. 69-102
A TOTAL COMBINED LENGTH OF 8.02 MILES (Plus 4.22 Miles of Access)

257 SHEETS

ONONDAGA COUNTY

Field Change Sheets:
3F1, 5F1, 53F1, 12F1, 13F1, 13F2, 134F1, 135F1, 136F1, 137F1, 138F1, 139F1, 100F1, 101F1, 102F1, 103F1, 104F1, 105F1, 106F1, 108F1, 117F1, 119F1

Date of Contract: October 24, 1969
Date work started: November 24, 1969
Date completed: September 5, 1972
Date accepted: October 4, 1972
Contract amount: 15,790,665.15
Regional Director: Joseph M. Powers
Contractor: Green Island Contracting Corp.
Engineer-in-Charge: John Restino 11-24-69 to 8-16-71 & Francis H. Backus 8-16-71 to 9-5-72
Pavement width: 24 L.F.
Pavement area: 202,763.65 S.Y.
Measured Length: 76036.37 L.F., 14.40 Miles
Type of pavement: Asphalt Concrete-Base & Top
Thickness of pavements: Item 51M-F, 1 1/2"; Item 45SP, 8"
Guide Railing: Manufactured by O.W. Hubbell & Sons Inc.
Item 33AD: Box Beam Guide Rail, Standard Sh.68-15
Item 33MU: Box Beam Median Barrier, Standard Sh.68-16
Item 33DB: Corr. Beam Type Guide Rail Standard Sh.68-17B

SOURCES of MATERIALS

- Armco Pipe Co.: Corrugated Metal Pipe, Corrugated Struct. Plate Pipe Arch, Galvanized Metal End Sections
- Johns Manville: Asbestos Pipe
- Clark Concrete Co.: Transit Mix Concrete
- Republic Steel: Bar Reinforcement
- American Bridge: Structural Steel & Bridge Railing
- Warren Bros. Co.: Asphalt Concrete
- Koppers Co. Inc.: Bituminous Materials
- Davidson Granite Co.: Stone Curb
- U.S. Steel: Right-of-Way Fencing
- Bethlehem Steel: Guide Railing & Barricades
- Automatic Signal Co.: Signal System
- U.S. Pipe & Foundry: Cast Iron Water Pipe
- American - Darling Valve & Manf.: Water Valves
- Hubbell Highway Signs Inc.: Signs
- Nelson Stud Welding Co.: Stud Shear Connectors
- Merritt Seed Co.: Seed
- Bisonite Corp.: Paint
- Tristate Fabricating Co.: Downspouts
- Washington Fillmore Iron Works Inc.: Frames & Grates
- Borden Metal Products: Frames & Grates (Fab.)
- Bethlehem Steel: Steel Bearing Piles
- Jones & Laughlin Steel Corp.: Cast-in-place Piles
- Vinylex Corp & Bethlehem Steel: Drainage Troughs

As Built Revisions by Francis H. Backus
Approved: Eugene Parous, Asst. Contr. Supervisor, 3-27-1973
P.E. License No. 37013

NOTE: The Contractor shall provide insurance coverage for a distance of 200 feet beyond the actual construction designated 'CONTRACT BEGINS' and/or 'CONTRACT ENDS' and 200 feet beyond the 'LIMIT OF WORK' of the respective highways.

APPROXIMATE LOCATION - Beginning on route 31 about 1.5 Miles East of the intersection of Route 31 and Route 57 at Moyers Corners then South-Easterly 1.2 Miles on New Location to the Bridge over Interstate Route 81 at the Bear Road Interchange, Onondaga County

MAINTENANCE OF TRAFFIC
Traffic will be maintained by the Contractor under Item 76 (Reg. C) during construction.

DESIGN TRAFFIC DATA
Highway Design Class: R 2
1989 Design Hour Traffic Volume: 2,112
Annual Daily Traffic Volume: 31,509
Design Criteria used: 70 Miles per hour speed, 600 ft Stopping Sight Distance

DRIVEWAY NOTE
Driveways shall be constructed or adjusted to conform to State of New York Department of Transportation Policy and standards for Entrances to State Highways

INDEX	
SHEET NO	DESCRIPTION
1	TITLE SHEET
2-12	TYPICAL SECTIONS
13	TABLE OF TYPICAL SECTIONS
14-16	ESTIMATE OF QUANTITIES
17-28	200' SCALE PLANS AND PROFILE
29-30	MAINTENANCE PLAN AND TABLE
31	PROCEDURE FOR MAINTAINING TRAFFIC
32-34	SUMMARY OF WORK-UP FOR EXCAVATION
35-37	TABLES: CULVERT MATERIALS
38	BENCH MARKS, UNDERDRAIN, R.O.W. MARKERS, SETTLEMENT PLATFORMS
39	FENCING, GUIDE RAIL, CURB, DRIVEWAY SUMMARY
40	DETAILS: DROP INLETS
41-43	SPECIAL FOUNDATION TREATMENT
44	LANDSCAPE DEVELOPMENT SHEET
45-99	50' SCALE PLAN AND PROFILE
100-107	SIGN TEXT DATA SHEETS
108-116	PLANS FOR LOCATION OF SIGNS
117-127	DETAILS
128-133	TRAFFIC SIGNALS
134-144	CULVERT PLANS
145-152	UTILITY DETAILS
153-257	BRIDGE PLANS

FED. ROAD REG. NO.	STATE	FED. ID PROJ. NO.
1	N.Y.	
PHOENIX-SYRACUSE & EUCLID-NORTH SYRACUSE		
BALDWINVILLE - CICERO, S.		
SYRACUSE - CICERO, S.H. 54		

TYPE OF CONSTRUCTION		IR
Main Lines:	Asphalt Concrete	8.02 Miles
Access:	Asphalt Concrete	4.22 Miles
Including		
H.G.S., Bridge #1,	S.H. 1039 over The Euclid-North Syracuse, 2 Span Comp. Girder, 251' Long	
H.G.S., Bridge #2,	Morgan Road over The Euclid-North Syracuse, 2 Span Comp. Girder, 291' Long	
H.G.S., Bridge #4,	Relocated 7th North Street over The Euclid-North Syracuse, 2 Span Comp. Girder, 240' Lg.	
R.R.G.S., Bridge #5,	The Euclid-North Syracuse over The Penn Central R.R., NB: 3 Span Comp. Beam, 151' Lg. SB: 3 Span Comp. Beam, 151' Lg.	
H.G.S., Bridge #6,	Relocated Route 57 over S.H. 5470, NB: Single Span Comp. Girder, 130' Long SB: Single Span Comp. Girder, 130' Long	
H.G.S., Br. #7,	The Euclid-North Syracuse over So. Bay Rd. NB: Single Span Comp. Girder, 148' Long SB: Single Span Comp. Girder, 148' Long	
Bridge:	The Euclid-North Syracuse over Mud Creek, consisting of 4 Corrugated Structural Plate Pipe Arches, Each 15' 4" Span, 9' 3" Rise, Sta. SB 132+16	
Bridge:	7th North St. over Mud Creek, consisting of 4 Structural Plate Pipe Arches, Each 15' 4" Span, 9' 3" Rise, Station G 20+90	
Bridge:	The Euclid-North Syracuse over Mud Creek, consisting of 4 Structural Plate Pipe Arches, Each 12' 10" Span 8' 4" Rise, Station S.B. 320+13	

STANDARD STRUCTURE SHEETS

50-34, 58-60, 61-62A, 61-62B, 62-6, 63-10, 63-62C, 64-45, 64-45A, 64-45B, 65-45C, 65-52B, 66-53, 67-1, 67-9HB, 67-13D, 67-19, 67-57, 67-64A1, 67-64B1, 67-64C, 67-64D, 67-64E, 68-7E5, 68-15, 68-16, 68-17E, 68-19A, 68-19B, 68-43A, 68-66A, 68-66B, 68-67R2, 69-43B

All work contemplated under this contract to be covered by and in conformity with the specifications adapted January 2, 1962 as amended by Addenda No. 1 thru No. 46, except as modified on these plans and in the Itemized Proposal.

NEW YORK STATE DEPARTMENT OF TRANSPORTATION	
Approved:	August 13, 1969
B. A. LEFEVE	Chief Engineer
Approved:	August 13, 1969
V. J. BURNS	Deputy Chief Engineer
Approved:	June 13, 1969
PAUL D. SMITH	Asst. Deputy Chief Engineer

CAPITAL PROJECT IDENTIFICATION
No. 3035.00

Prepared pursuant to the Highway Law, and recommended by: *Paul D. Smith*
2 June 1969
ENGINEER DIST. 119
HC-47 (7/64)

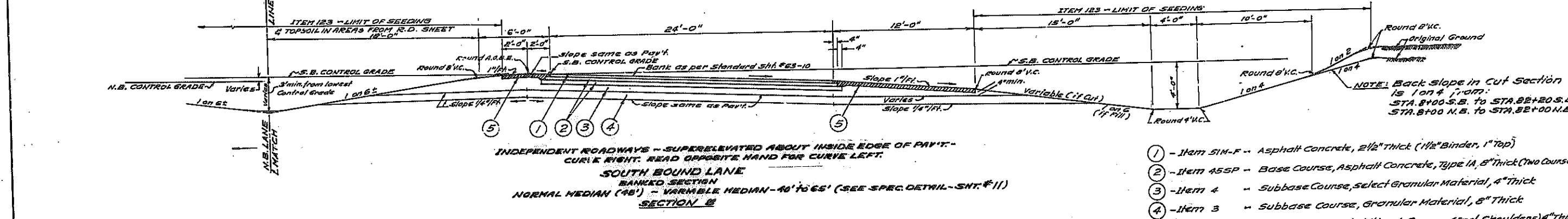
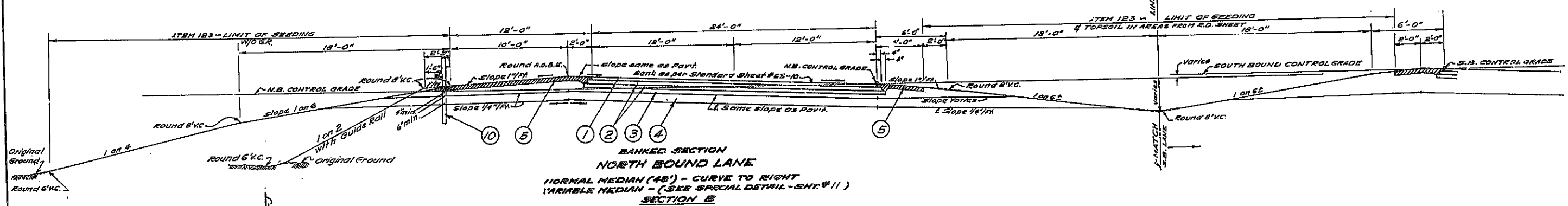
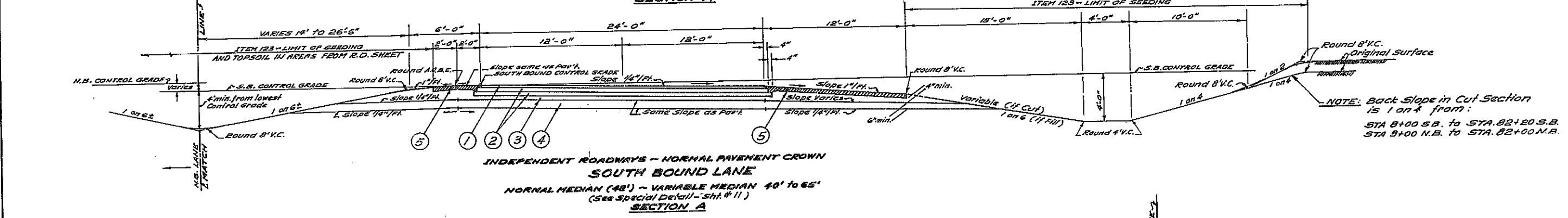
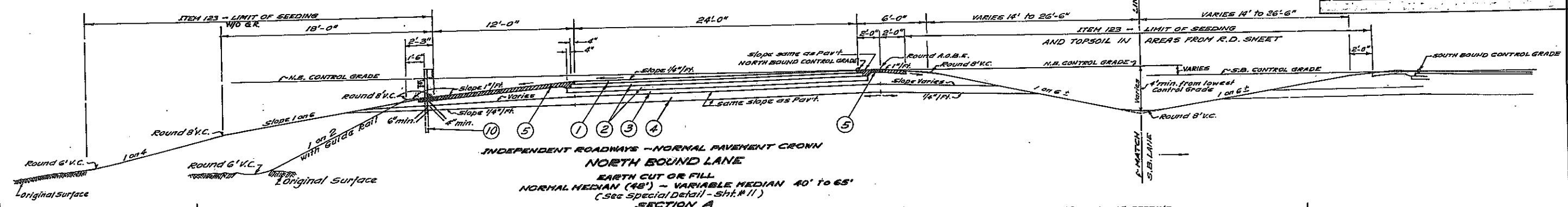
DESIGNED BY: *John C. Shannon & J. Lewis*
ESTIMATE BY: *E. Lauchlin*
TRACED BY: *E. Lauchlin & John C. Shannon*



SH 69-5 RC 69-102		FED. ROAD REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.				2	257
PHOENIX-SYRACUSE, S.H. 5274						
EUCLID-NORTH SYRACUSE, S.H.						

TYPICAL SECTIONS

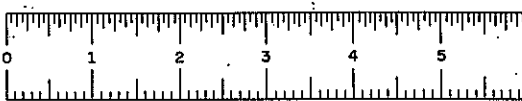
SCALE: 1/4" = 1'-0"



- ① - Item 511-F - Asphalt Concrete, 2 1/2" Thick (1 1/2" Binder, 1" Top)
- ② - Item 455P - Base Course, Asphalt Concrete, Type IA, 8" Thick (Two Courses)
- ③ - Item 4 - Subbase Course, select Granular Material, 4" Thick
- ④ - Item 3 - Subbase Course, Granular Material, 8" Thick
- ⑤ - Item 59WWB - Bituminous Stabilized Course (Incl. Shoulders), 4" Thick
- ⑩ - Item 33AD - Box-Beam Guide Rail

NOTE: Where Guide Rail is used extend Item 59WWB 6" back of Guide Post.

IN CHARGE OF
 DESIGNED BY *J. E. ...*
 ESTIMATE BY *J. ...*



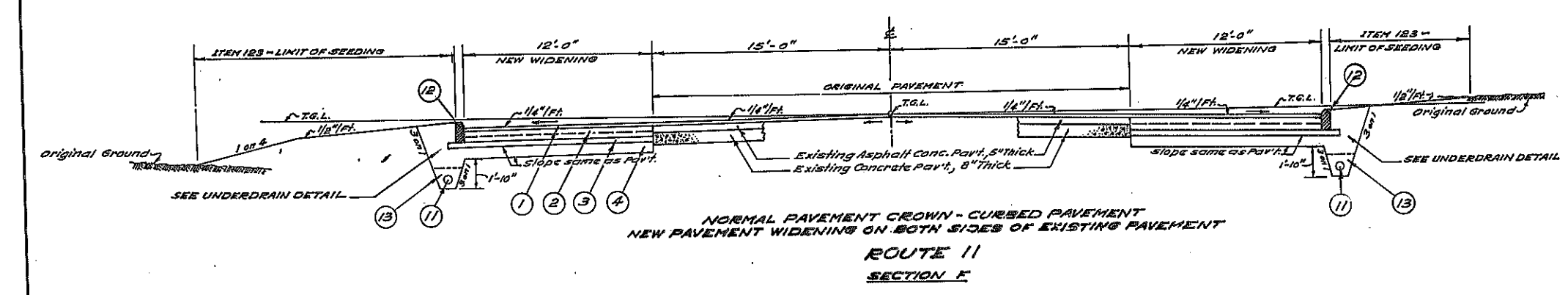
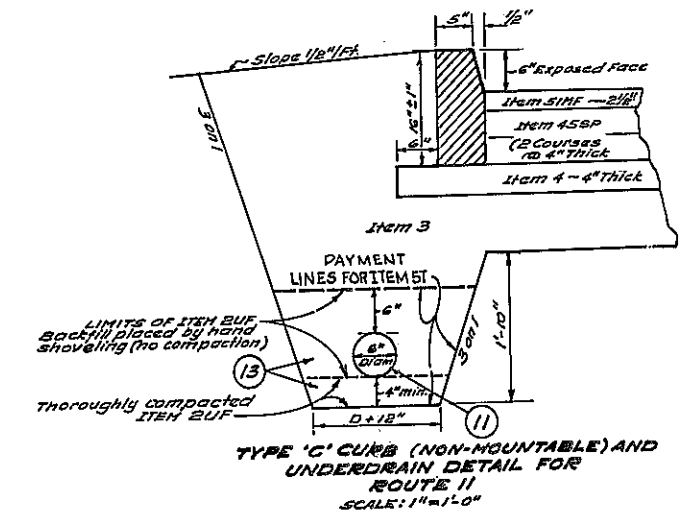
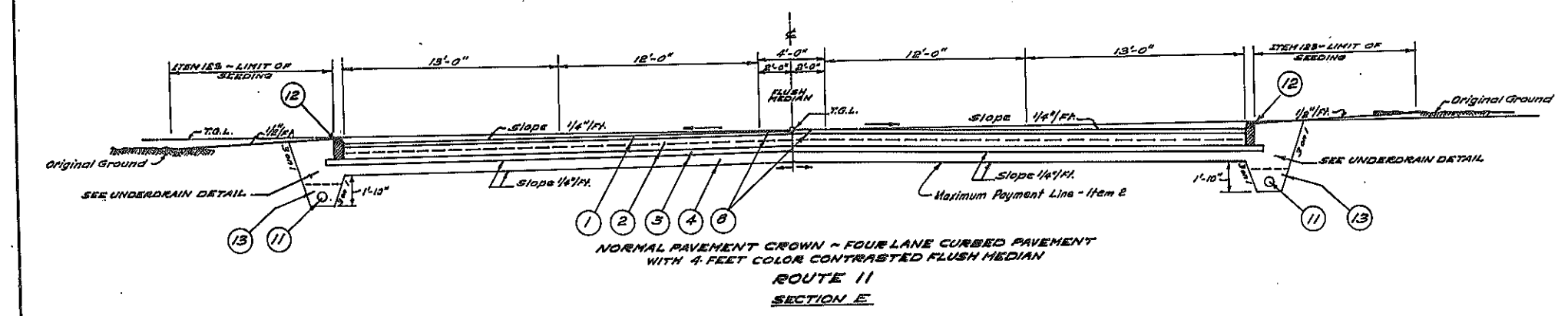
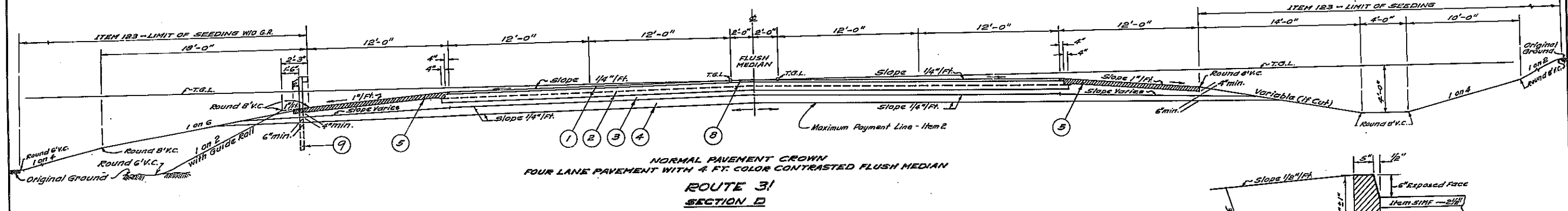
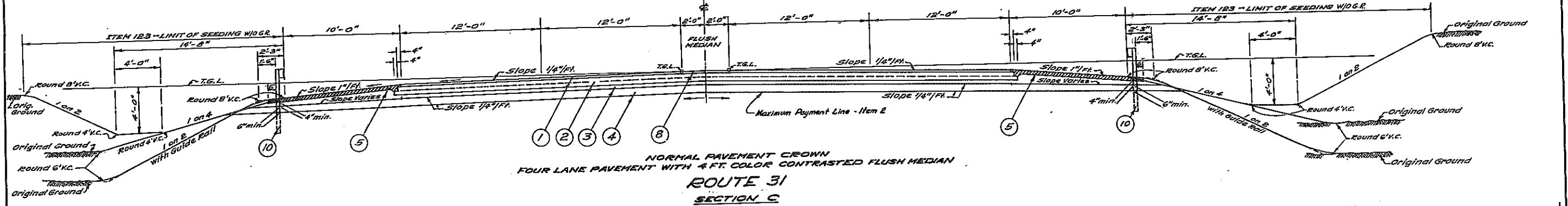
FED. ROAD REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N. Y.		3	257

EUCLID-NORTH SYRACUSE, S.H.
SYRACUSE-CICERO, S.H. 5470

NOTE: stabilized shoulder will extend 6" beyond the back of Guide Rail.

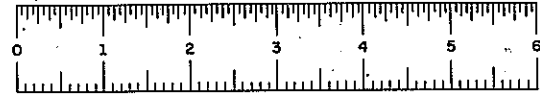
TYPICAL SECTIONS

SCALE: 1/4" = 1'-0"



- ① Item 51M-F - Asphalt Concrete, 2 1/2" Thick (1/2" Binder, 1" Top)
- ② Item 45SP - Base Course, Asphalt Concrete, Type IA, 8" Thick (Two Courses)
- ③ Item 4 - Subbase Course, select Granular Material, 4" Thick
- ④ Item 3 - Subbase Course, Granular Material, 8" Thick
- ⑤ Item 59UWB - Bituminous stabilized Course (Incl. Shoulders), 4" Thick
- ⑧ Item 60S - Surface Texture and color contrast course for stabilized shoulders
- ⑩ Item 33AD - Box-Beam Guide Rail
- ⑪ Item 11NG - Perforated Corrugated Metal Pipe Underdrain, 6" Diam.
- ⑫ Item 94M - Optional Curb, Type 'C'
- ⑬ Item 2UF - Underdrain Filter
- ⑨ Item 33AD - Box Beam Guide Rail

IN CHARGE OF
DESIGNED BY *John P. Shannon* ✓ *H. H. Houtchens*
ESTIMATE BY *E. Caulfield* ✓ *H. H. Houtchens*
CHECKED BY *E. Caulfield* ✓ *H. H. Houtchens*

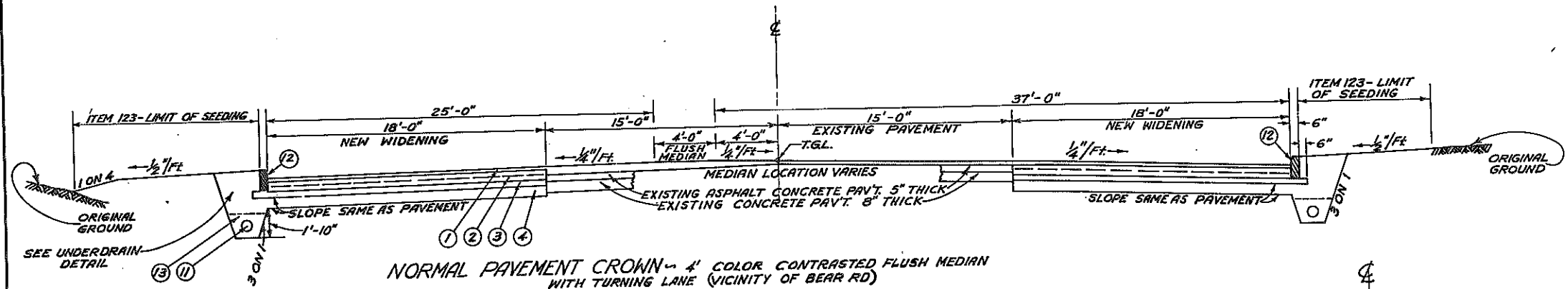


SH 69-5 RC 69-102

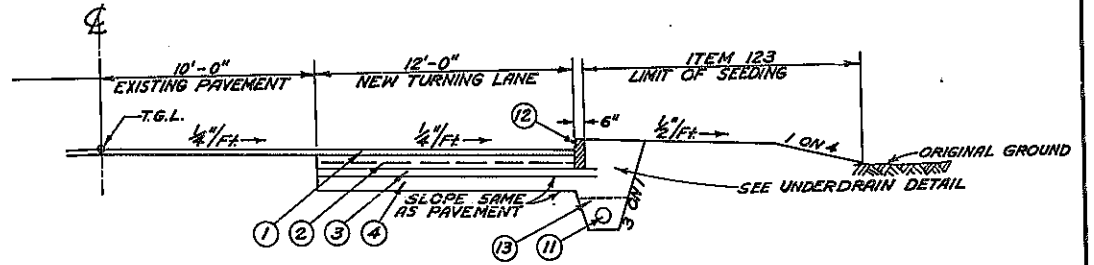
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1	N.Y.		3F1	
EUCLID-NORTH SYRACUSE, S.H. 69-5				
SYRACUSE-CICERO, S.H. 5470				

FIELD CHANGE SHEET
 FOR CONTRACT NO. S.H. 69-5
 CAPITAL PROJECT IDENTIFICATION NO. 3035.00
 SHEET 3F1 SUPPLEMENTS BUT DOES NOT CHANGE ANY PART OF ORIGINAL SHEET 3.
 THIS CHANGE INVOLVES THE TYPICAL SECTIONS FOR ESTABLISHING TURNING LANES ON ROUTE 11, BEAR ROAD AND ROUTE 11 CONNECTION TO THE INTERSTATE.

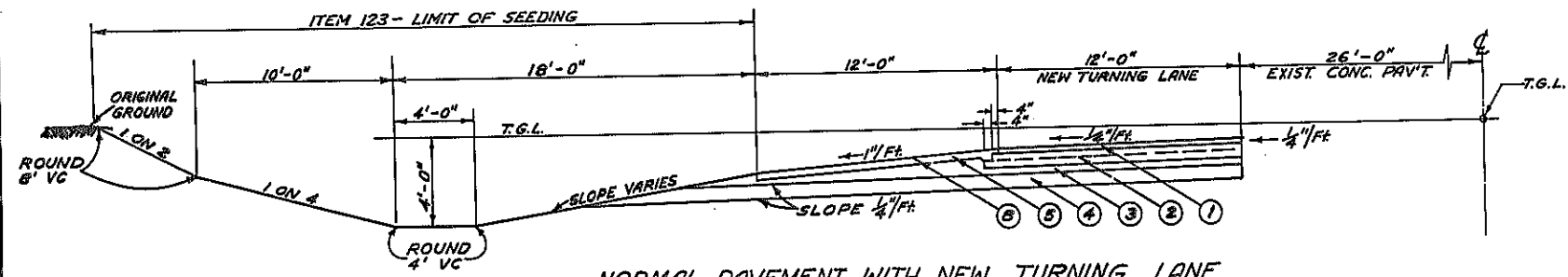
TYPICAL SECTIONS
 SCALE: 1/4" = 1'-0"



NORMAL PAVEMENT CROWN WITH TURNING LANE (VICINITY OF BEAR RD)
ROUTE 11
 STA. J'0-250 thru J'4+50



NORMAL PAVEMENT WITH NEW TURNING LANE
BEAR ROAD
 STA. K'9+50 thru K'12+00



NORMAL PAVEMENT WITH NEW TURNING LANE
ROUTE 11 CONNECTION
 STA. V-V'0+18 thru V-V'3+75

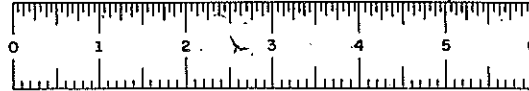
- ① ITEM 51M-F - ASPHALT CONCRETE, 2 1/2" THICK (1 1/2" BINDER, 1" TOP)
- ② ITEM 455P - BASE COURSE, ASPHALT CONCRETE, TYPE 1A, 8" THICK (TWO COURSES)
- ③ ITEM 4 - SUBBASE COURSE, SELECT GRANULAR MATERIAL, 4" THICK
- ④ ITEM 3 - SUBBASE COURSE, GRANULAR MATERIAL, 8" THICK
- ⑤ ITEM 59WNB - BITUMINOUS STABILIZED COURSE (INCL. SHOULDERS), 4" THICK
- ⑥ ITEM 60S - SURFACE TEXTURE AND COLOR CONTRAST COURSE FOR STABILIZED SHOULDERS
- ⑦ ITEM 11HG - PERFORATED CORRUGATED METAL PIPE UNDERDRAIN, 6" DIAM.
- ⑧ ITEM 94M - OPTIONAL CURB, TYPE 'C'
- ⑨ ITEM 2UF - UNDERDRAIN FILTER

This signature approves the following Field Change Sheets - 3F1, 5F1, 55F1, 72F1, 73F1, 73F2, 134F1, 135F1, 136F1, 137F1, 138F1.

APPROVED
 12-24-69
Paul D. Smith
 PAUL D. SMITH
 Asst. Deputy Chief Engineer

MADE BY: *Lee Collins*
 CHECKED BY: *John P. Schmitt*
 TRACED BY: *P. Chambers*
 CHECKED BY: *John P. Schmitt*

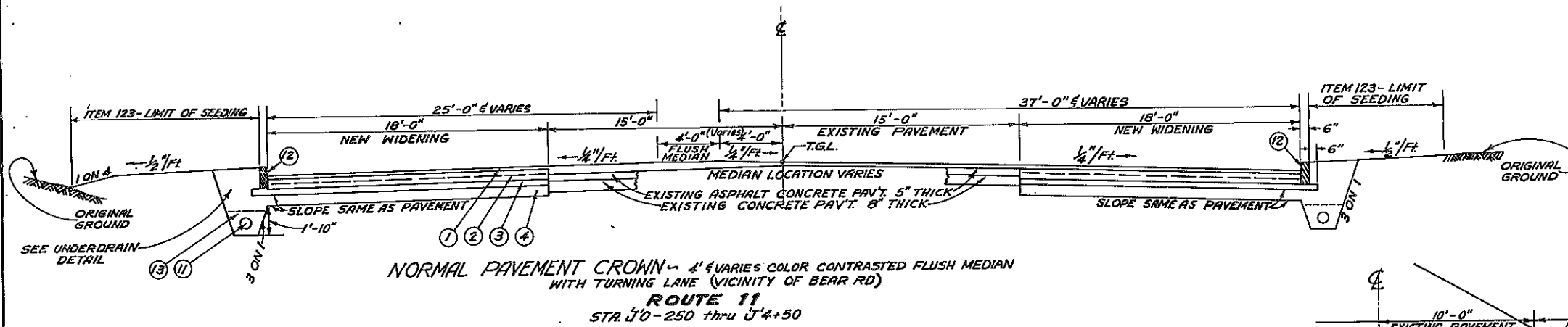
PREPARED PURSUANT TO THE HIGHWAY LAW AND RECOMMENDED BY: *Paul D. Smith*
 REGIONAL DIRECTOR OF TRANSPORTATION
 REGION NO. 9
 DATE: 17 Nov. 1969.



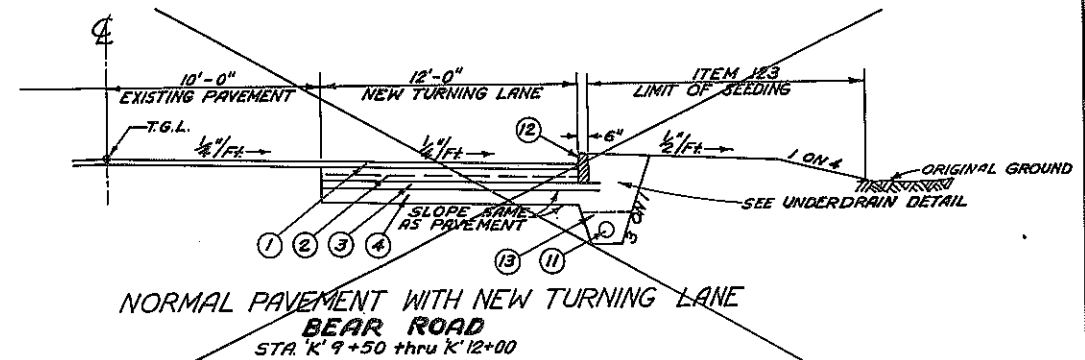
FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		361	
EUCLID-NORTH SYRACUSE, S.H. 69-5				
SYRACUSE-CICERO, S.H. 5470				

FIELD CHANGE SHEET
 FOR CONTRACT NO. S.H. 69-5 R.C. 69-102
 CAPITAL PROJECT IDENTIFICATION NO. 3035.00
 SHEET 361 VOIDS ALL OF FIELD CHANGE SHEET 361 AND CHANGES ONLY PART OF ORIGINAL SHEET 3.
 THIS CHANGE INVOLVES THE TYPICAL SECTIONS FOR ESTABLISHING TURNING LANES ON ROUTE 11, BEAR ROAD AND ROUTE 11 CONNECTION TO THE INTERSTATE.
 NOTE: SEE FIELD CHANGE SHEET NO. 73 G1 FOR LIST OF CHANGES IN QUANTITIES.

TYPICAL SECTIONS
 SCALE: 1/4" = 1'-0"

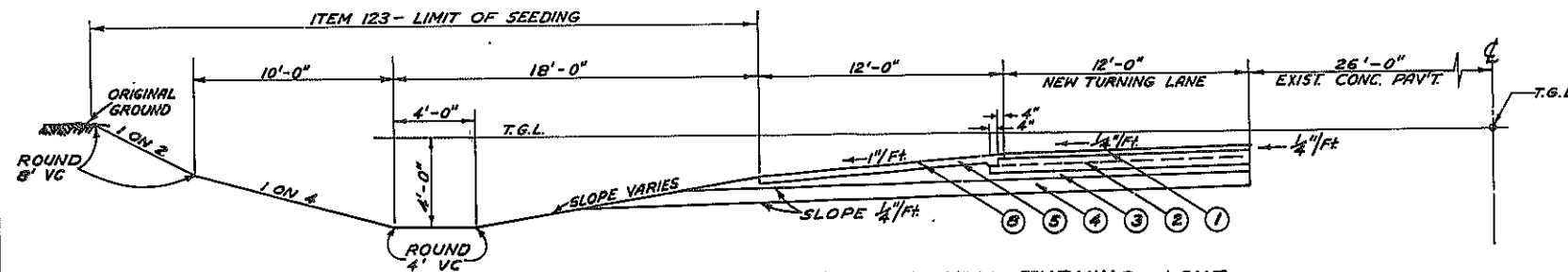


NORMAL PAVEMENT CROWN WITH TURNING LANE (VICINITY OF BEAR RD)
 ROUTE 11
 STA. J'0-250 thru J'4+50

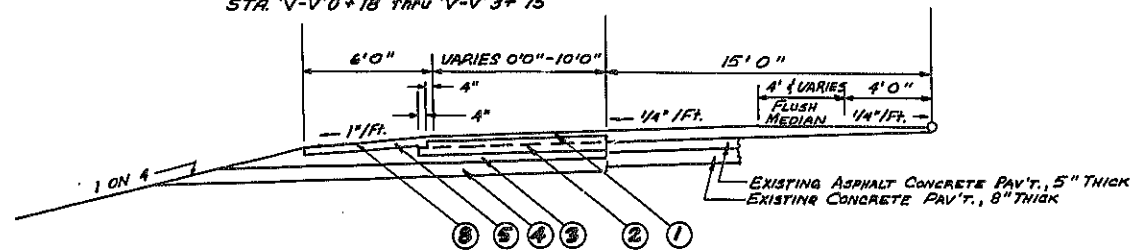


NORMAL PAVEMENT WITH NEW TURNING LANE BEAR ROAD
 STA. K'9+50 thru K'12+00

DELETED



NORMAL PAVEMENT WITH NEW TURNING LANE ROUTE 11 CONNECTION
 STA. V-V'0+18 thru V-V'3+75



NORMAL PAVEMENT CROWN WIDENING WITHOUT CURB ROUTE 11
 STA. U'0-698 thru U'0-250

- ① ITEM 51M-F - ASPHALT CONCRETE, 2 1/2" THICK (1 1/2" BINDER, 1" TOP)
- ② ITEM 45SP - BASE COURSE, ASPHALT CONCRETE, TYPE 1A, 8" THICK (TWO COURSES)
- ③ ITEM 4 - SUBBASE COURSE, SELECT GRANULAR MATERIAL, 4" THICK
- ④ ITEM 3 - SUBBASE COURSE, GRANULAR MATERIAL, 8" THICK
- ⑤ ITEM 59NWB - BITUMINOUS STABILIZED COURSE (INCL. SHOULDERS), 4" THICK
- ⑥ ITEM 60S - SURFACE TEXTURE AND COLOR CONTRAST COURSE FOR STABILIZED SHOULDERS
- ⑦ ITEM 11HG - PERFORATED CORRUGATED METAL PIPE UNDERDRAIN, 6" DIAM.
- ⑧ ITEM 94M - OPTIONAL CURB, TYPE C'
- ⑨ ITEM 2UF - UNDERDRAIN FILTER

APPROVED
 Date: 7-31-70

 PAUL D. SMITH
 Asst. Deputy Chief Engineer.

THIS SIGNATURE APPROVES THE FOLLOWING
 FIELD CHANGE SHEETS: 361, 71F1, 72G1, 72G2 AND 73G1

FIELD CHANGE
 MADE BY:
 CHECKED BY:
 TRACED BY:
 DESIGNED BY:
 TRACED BY:
 CHECKED BY:

PREPARED PURSUANT TO THE HIGHWAY LAW AND
 RECOMMENDED BY:
 REGIONAL DIRECTOR OF TRANSPORTATION
 REGION NO. 3
 DATE: 22 July 1970

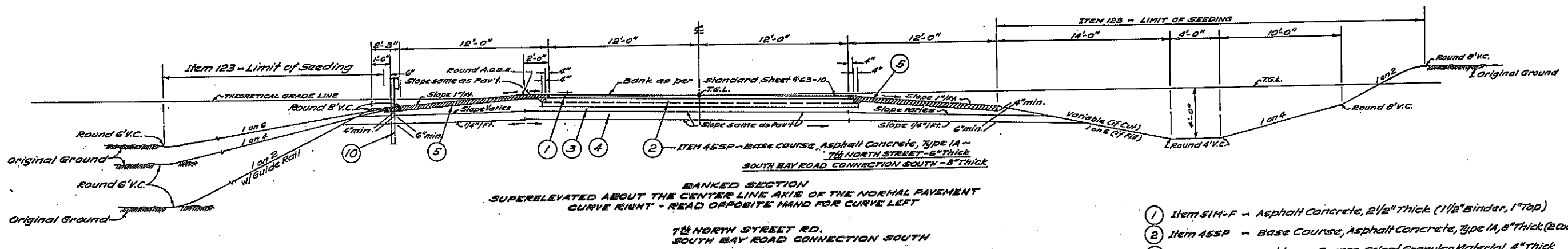
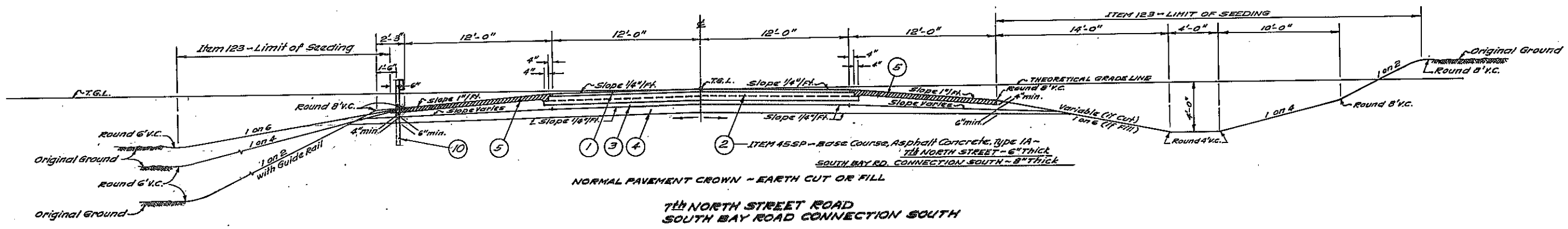
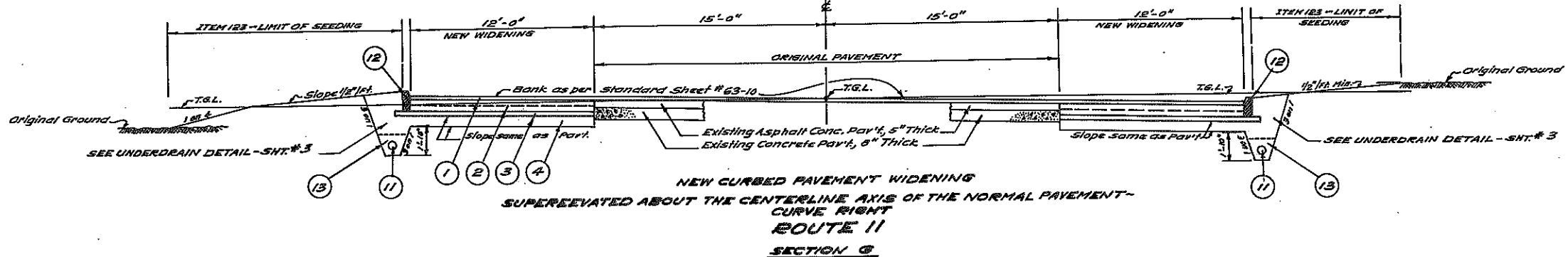


FED. ROAD REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		4	257

SYRACUSE-CICERO, S.H. 5470
EUCLID-NORTH SYRACUSE, S.H.

TYPICAL SECTIONS

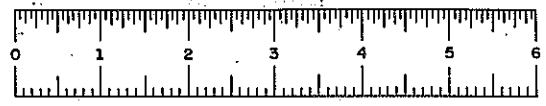
SCALE: 1/4" = 1'-0"



- ① Item 51M-F - Asphalt Concrete, 2 1/2" Thick (1 1/2" Binder, 1" Top)
- ② Item 45SP - Base Course, Asphalt Concrete, Type IA, 6" Thick (2 Courses)
- ③ Item 4 - Subbase Course, Select Granular Material, 4" Thick
- ④ Item 3 - Subbase Course, Granular Material, 8" Thick
- ⑤ Item 59NB - Bituminous Stabilized Course (Incl. Shoulders), 4" Thick
- ⑩ Item 33AD - Box-Beam Guide Rail
- ⑪ Item 11HG - Perforated Cor. Metal Pipe Underdrain, 6" Diam.
- ⑫ Item 94M - Optional Curb, Type 'C'
- ⑬ Item 2UF - Underdrain Filter

IN CHARGE OF _____
DESIGNED BY *John P. Hansen* ✓ *H. Anderson*
ESTIMATE BY _____ ✓
TRACED BY *L. Nault* ✓ *H. Anderson*

Prepared pursuant to the Highway Law, and recommended
by _____
ENGINEER DIST. NO.
HC-47 (2/54)



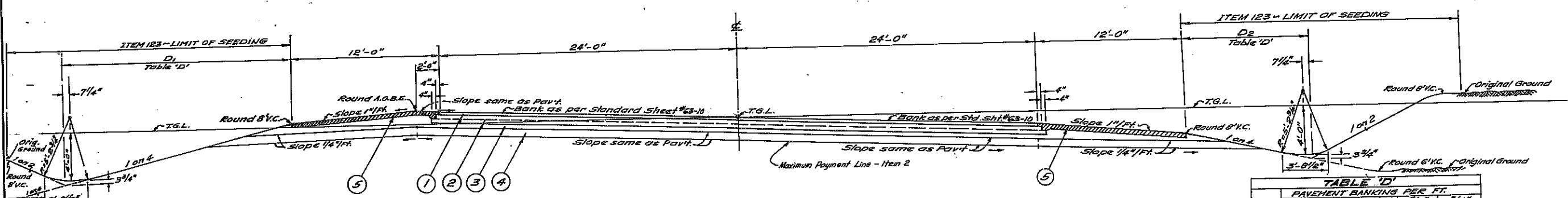
SH 69-5 RC 69-102

FED. ROAD REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		5	257

EUCLID-NORTH SYRACUSE
S.H.

TYPICAL SECTIONS

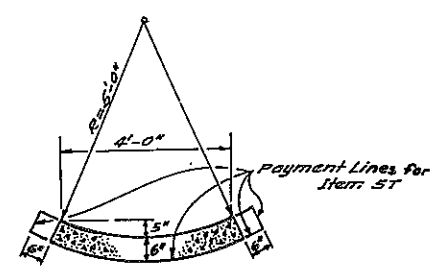
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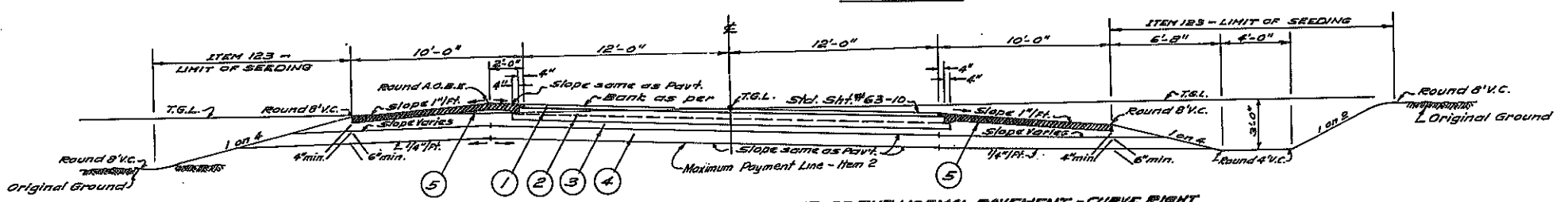
ROADWAY - SUPERELEVATED ABOUT THE CENTER LINE OF PAVEMENT
CURVE RIGHT
ROUTE 11 CONNECTION - NORTH
SECTION J

TABLE 'D'

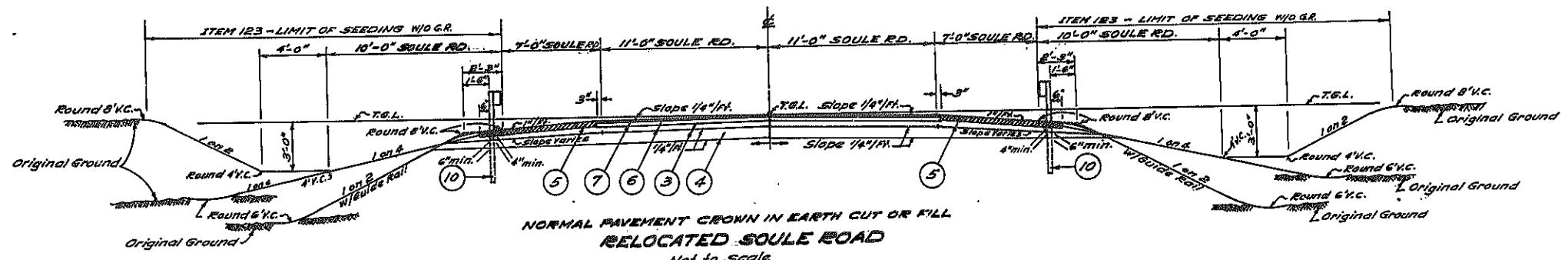
PAVEMENT BANKING PER FT.				
	1/4"	3/8"	1/2"	5/8"
D ₁	16'-1"	17'-2"	18'-3"	20'-5"
D ₂	11'-3"	10'-3"	9'-3"	8'-3"



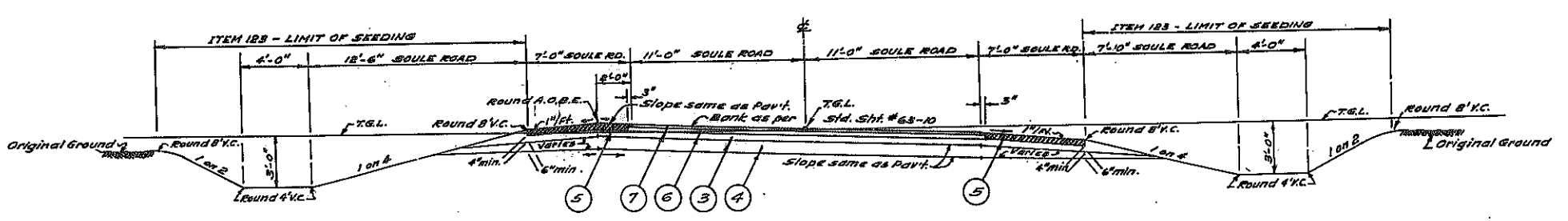
CONCRETE GUTTER DETAIL
TYPE 'D'
Scale: 1/2" = 1'-0"



SUPERELEVATED ABOUT THE CENTERLINE OF THE NORMAL PAVEMENT - CURVE RIGHT
SOULE ROAD
SECTION K



NORMAL PAVEMENT CROWN IN EARTH CUT OR FILL
RELOCATED SOULE ROAD
Not to Scale
SECTION L

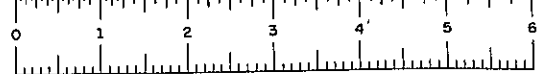


SUPERELEVATED ABOUT THE CENTER LINE AXIS OF THE NORMAL PAVEMENT,
CURVE RIGHT
SOULE ROAD
Not to Scale
SECTION M

- ① Item 51M-F - Asphalt Concrete, 2 1/2" Thick (1 1/2" Binder, 1" Top)
- ② Item 45SP - Base Course, Asphalt Concrete, Type 1A, 3" Thick (2 Courses)
- ③ Item 4 - Subbase Course, Select Granular Material, 4" Thick
- ④ Item 3 - Subbase Course, Granular Material, 8" Thick
- ⑤ Item 59WWB - Bituminous Stabilized Course (Incl. Shoulders), 4" Thick
- ⑥ Item 45SP - Base Course, Asphalt Concrete, Type 1A, 3" Thick
- ⑦ Item 51MFL - Asphalt Concrete, (Top Course), 1" Thick
- ⑩ Item 33AD - Box-Beam Guide Rail

IN CHARGE OF
DESIGNED BY *John P. ...*
ESTIMATE BY *H. Saulster*

Prepared pursuant to the Highway Law, and recommended by
19
ENCLOSURE DIST. NO. HC-47 (2/64)



SH 69-5 RC 63-102

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		5F1R	

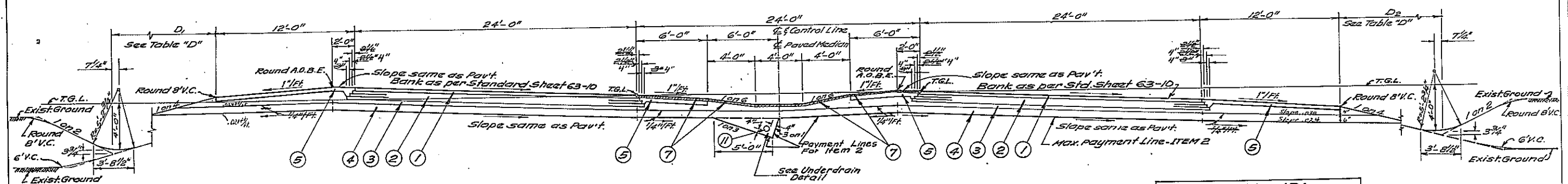
EUCLID-NORTH SYRACUSE, S.H. 69-5

FIELD CHANGE SHEET
 FOR CONTRACT NO. S.H. 69-5
 CAPITAL PROJECT IDENTIFICATION NO 3035.00

SHEET 5F1 VOIDS ONLY PART OF ORIGINAL SHEET NO. 5
 THIS CHANGE INVOLVES THE ESTABLISHING OF A MEDIAN ON EAST CIRCLE DRIVE AND A TURNING LANE ON RAMP 'H'.

TYPICAL SECTIONS

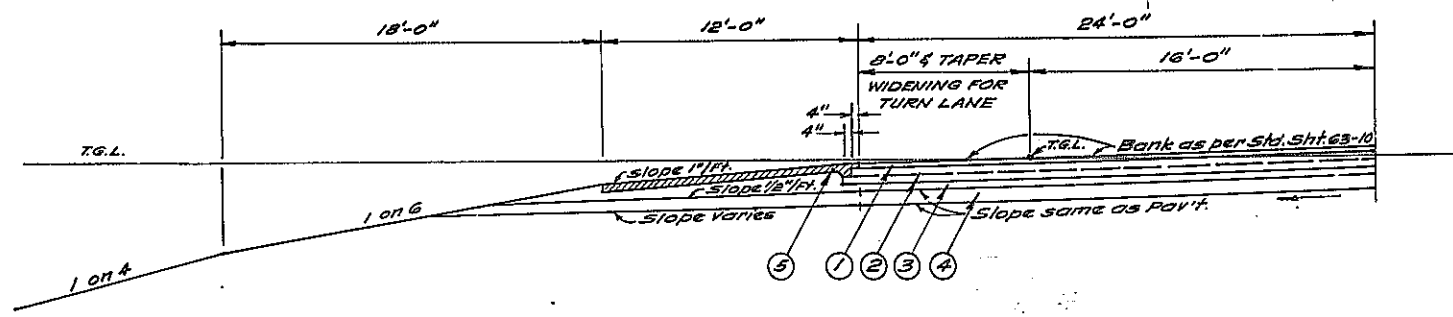
SCALE: 1/4" = 1'-0"



SEPARATED ROADWAY - SUPERELEVATED ABOUT THE INSIDE EDGE OF PAVEMENT
 CURVE RIGHT

ROUTE 11 CONNECTION - NORTH SECTION J.

	PAVEMENT BANK PER FT.				
	1/4"	3/8"	1/2"	5/8"	3/4"
D ₁	16'-1"	17'-2"	18'-3"	19'-4"	20'-5"
D ₂	11'-3"	10'-3"	9'-3"	8'-3"	7'-3"



RAMP 'H'
 WIDENING FOR TURN LANE
 RAMP SECTION (ONE-WAY OPERATION) SUPERELEVATED ABOUT THEORETICAL GRADE AT RIGHT EDGE OF PAVEMENT IN TRAVEL DIRECTION
 SECTION G.
 STA. 'HR' 0+26 TO 'HR' 4+66

- ① ITEM 51M-F - Asphalt Concrete, 2 1/2" Thick (1 1/2" Binder, 1" Top)
- ② ITEM 45SP - Base Course, Asphalt Concrete, Type 1A, 8" Thick (2 Courses)
- ③ ITEM 4 - Subbase Course, Select Granular Material, 4" Thick
- ④ ITEM 3 - Subbase Course, Granular Material, 8" Thick
- ⑤ ITEM 59HWB - Bituminous Stabilized Course (Incl. Shoulders), 4" Thick
- ⑦ ITEM 51MFZ - Asphalt Concrete, (Top Course), 1 1/2" Thick
- ⑪ ITEM 11HG - Perforated Cor. Metal Pipe Underdrain, 6" Diam.

SEE SHEET NO. 3F1
 FOR APPROVAL SIGNATURE

PREPARED PURSUANT TO THE HIGHWAY LAW AND
 RECOMMENDED BY: *(Signature)*
 REGIONAL DIRECTOR OF TRANSPORTATION
 REGION NO. 3

DATE: 17 Dec. 1969.

MADE BY: *(Signature)*
 CHECKED BY: *(Signature)*
 TRACED BY: *(Signature)*
 CHECKED BY: *(Signature)*

FED. ROAD REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		5F2	

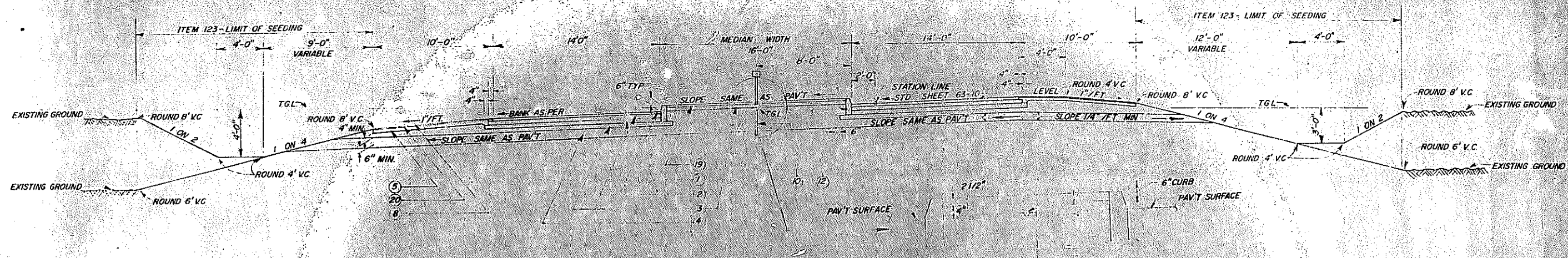
EUCLID-NORTH SYRACUSE SH 69-5

FIELD CHANGE SHEET

FIELD CHANGE SHEET FOR CONTRACT NO. SH 69-5 CAPITAL PROJECT IDENTIFICATION NO. 3035.00.301 SHEET 5F2 VOIDS PART (TYPICAL SECTION "K" ONLY) OF ORIGINAL SHEET 5 AND SUPPLEMENTS BUT DOES NOT CHANGE ANY PART OF SHEET 5F1. THIS CHANGE INVOLVES THE ESTABLISHMENT OF A MEDIAN ON SOULE ROAD.

BANKED SECTION WITH MEDIAN IN-EARTH CUT OR FILL SUPERELEVATED ABOUT THE T.G.L. CURVE LEFT READ OPPOSITE HAND FOR CURVE RIGHT
 SOULE ROAD
 STA. D-D 0+40.0 TO STA. D-D 5+25.0

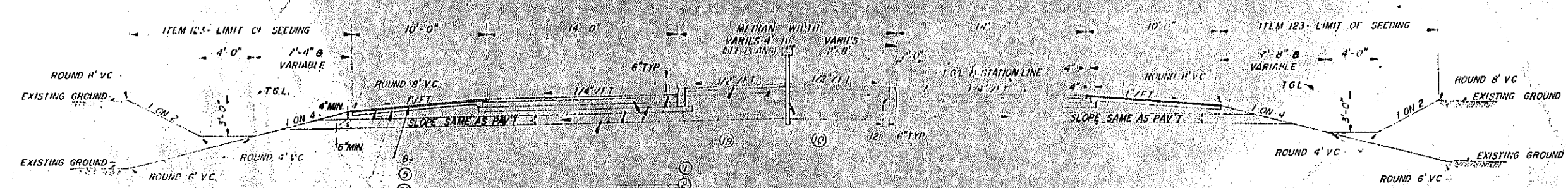
SCALE: 1/4" = 1'-0"



NORMAL SECTION WITH MEDIAN
 SOULE ROAD

STA. D-D 9+95.0 TO STA. D-D 18+50.0

SCALE: 1/4" = 1'-0"



ITEM KEY

- (1) ITEM 51M - ASPHALT CONCRETE, 2 1/2" THICK (1 1/2" BINDER, 1" TOP)
- (2) ITEM 45SP - SUBBASE COURSE, ASPHALT CONCRETE, TYPE 1A, 8" THICK (2 COURSES)
- (3) ITEM 4 - SUBBASE COURSE, SELECT GRANULAR MATERIAL, 4" THICK
- (4) ITEM 3 - SUBBASE COURSE, GRANULAR MATERIAL, 8" THICK
- (5) ITEM 59WWB - BITUMINOUS STABILIZED COURSE (INCLUDING SHOULDERS), 3" THICK
- (10) ITEM 33MU - BOX BEAM MEDIAN BARRIER
- (12) ITEM 94M - OPTIONAL CURB, TYPE C
- (13) ITEM 51M - ASPHALT CONCRETE, 2 1/2" THICK (1 1/2" BINDER, 1" TOP)
- (20) ITEM 51MZ - ASPHALT CONCRETE, 1" THICK
- (8) ITEM 60S - SURF TEXT B COLOR CONTRAST COURSE FOR STABILIZED SHOULDERS

APPROVED
 July 16, 1971
 Jack Stambaugh
 REGIONAL DIRECTOR OF TRANSPORTATION

THIS SIGNATURE APPROVES THE FOLLOWING FIELD CHANGE SHEETS: 5F2, 5F3, 46F1, 48G1, 48G2, 95F1, 104G1, 105G1, 106F2, 108G1

FIELD CHANGE SHEET

PREPARED PURSUANT TO THE HIGHWAY LAW AND RECOMMENDED BY:
 E. E. TOWLSON
 REGIONAL DIRECTOR OF TRANSPORTATION - REGION 3
 DATE: 3 June 1972

DESIGNED BY: CHECKED BY: DATED: REVIEWED BY: DATED:

DESIGNED BY: TRACED BY: CHECKED BY:

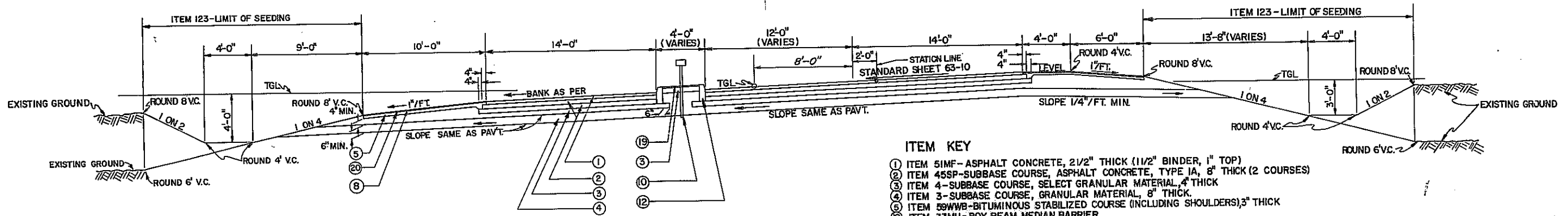
FED. ROAD REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		5F3	
EUCLID-NORTH SYRACUSE S.H. 69-5				

BANKED SECTION WITH MEDIAN AND LEFT TURN LANE IN EARTH CUT OR FILL
 SUPERELEVATED ABOUT THE T.G.L. CURVE LEFT
 READ OPPOSITE HAND FOR CURVE RIGHT.

SOULE ROAD

STA. D-D 5+25 ϵ TO STA. D-D 9+95 ϵ

SCALE 1/4" = 1'-0"



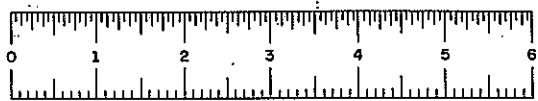
ITEM KEY

- ① ITEM 51MF - ASPHALT CONCRETE, 2 1/2" THICK (1 1/2" BINDER, 1" TOP)
- ② ITEM 45SP - SUBBASE COURSE, ASPHALT CONCRETE, TYPE IA, 8" THICK (2 COURSES)
- ③ ITEM 4 - SUBBASE COURSE, SELECT GRANULAR MATERIAL, 4" THICK
- ④ ITEM 3 - SUBBASE COURSE, GRANULAR MATERIAL, 8" THICK
- ⑤ ITEM 59WVB - BITUMINOUS STABILIZED COURSE (INCLUDING SHOULDERS), 3" THICK
- ⑩ ITEM 33MU - BOX BEAM MEDIAN BARRIER
- ⑫ ITEM 94M - OPTIONAL CURB, TYPE C
- ⑬ ITEM 51M - ASPHALT CONCRETE, 2 1/2" THICK
- ⑭ ITEM 51Z - ASPHALT CONCRETE, 1" THICK
- ⑧ ITEM 60S - SURFACE TEXTURE & COLOR CONTRAST COURSE FOR STABILIZED SHOULDERS

FIELD CHANGE SHEET
 SEE FIELD CHANGE SHEET NO. 5F2
 FOR APPROVAL SIGNATURE

REVIEWED BY: _____ DATED: _____
 CHECKED BY: _____ DATED: _____
 DESIGNED BY: _____

DESIGNED BY: *R. Mark*
 TRACED BY: *E. M. Miller*
 CHECKED BY: *John P. Shannon*

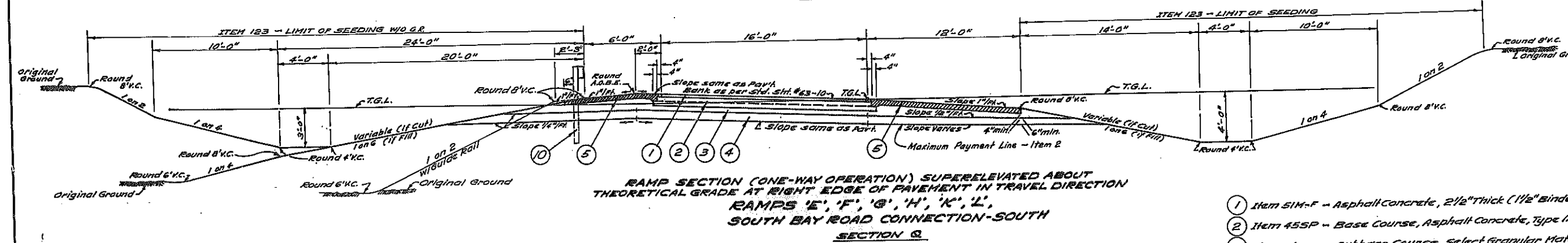
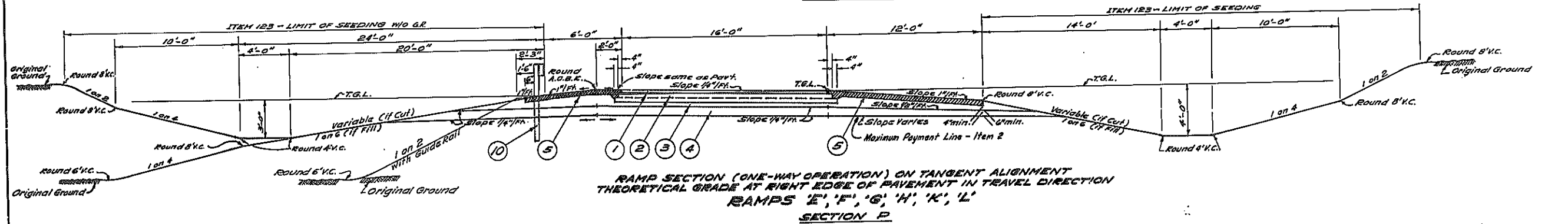
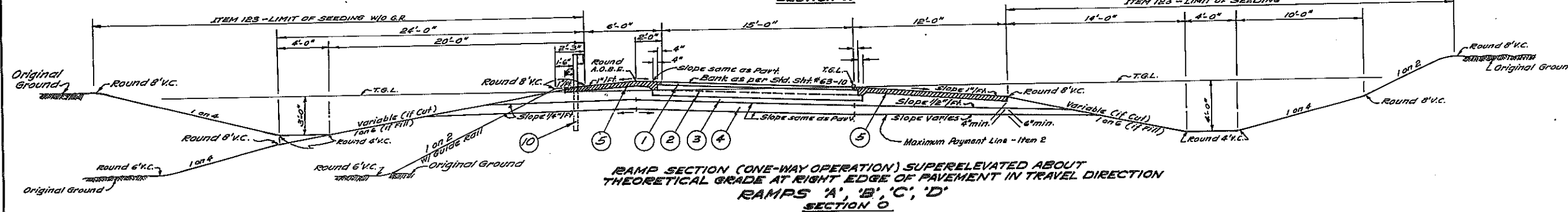
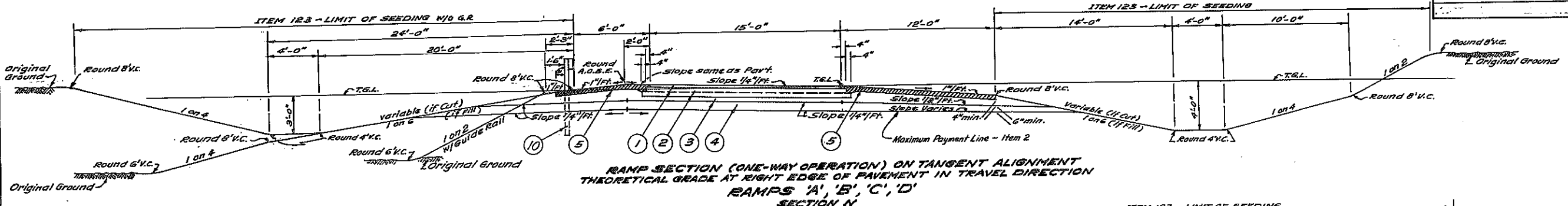


FED. ROAD REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N. Y.		6	257

PHOENIX - SYRACUSE, S.H. 5274
EUCLID-NORTH SYRACUSE, S.H.

TYPICAL SECTIONS

SCALE: 1/4" = 1'-0"



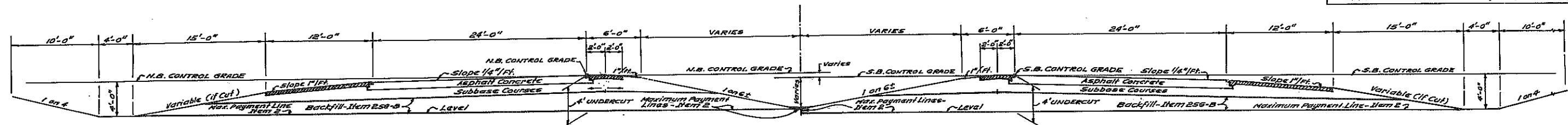
- ① Item 51M-F - Asphalt Concrete, 2 1/2" Thick (1 1/2" Binder, 1" Top)
- ② Item 455P - Base Course, Asphalt Concrete, Type 1A, 8" Thick (Two Courses)
- ③ Item 4 - Subbase Course, Select Granular Material, 4" Thick
- ④ Item 3 - Subbase Course, Granular Material, 8" Thick
- ⑤ Item 59NWB - Bituminous Stabilized Course (Incl. Shoulders), 4" Thick
- ⑩ Item 33AD - Box-Beam Guide Rail

IN CHARGE OF
DESIGNED BY
ESTIMATE BY

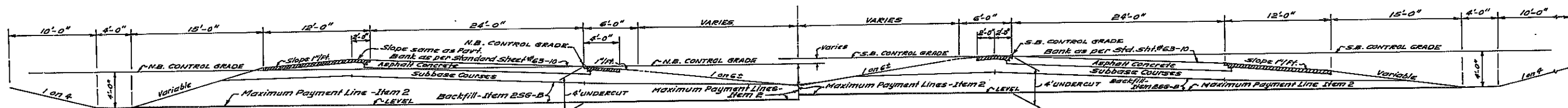


FED. ROAD REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N. Y.		7	257

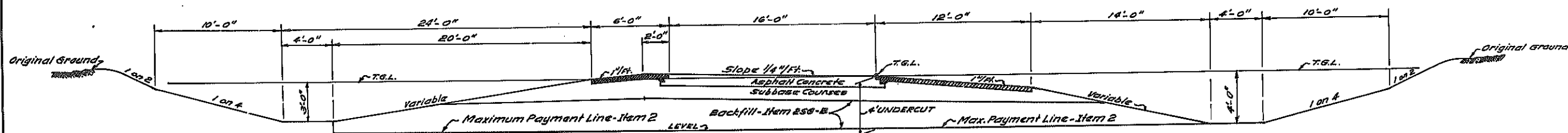
EUCLID-NORTH SYRACUSE, S.H.



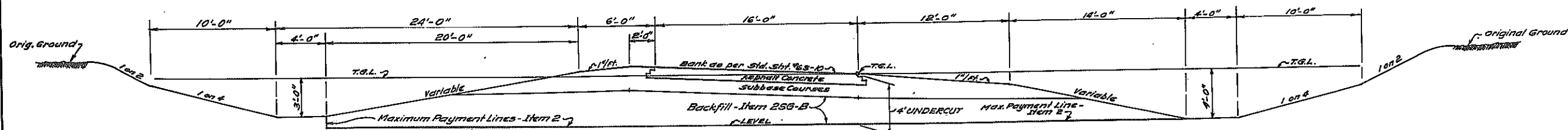
INDEPENDENT ROADWAYS - NORMAL PAVEMENT CROWN
 UNDERCUT FOR NORTH & SOUTH BOUND LANES
 SCALE: 3/16" = 1'-0"
 SECTION R



INDEPENDENT ROADWAYS
 SUPERELEVATED ABOUT THE INSIDE EDGE OF PAVEMENT - CURVE RIGHT
 UNDERCUT FOR NORTH & SOUTH BOUND LANES
 SCALE: 3/16" = 1'-0"
 SECTION S



UNDERCUT FOR RAMP SECTION (ONE-WAY OPERATION)
 ON TANGENT ALIGNMENT
 RAMPS 'E', 'F', 'G', 'H', 'K', 'L'
 SCALE: 1/4" = 1'-0"
 SECTION T



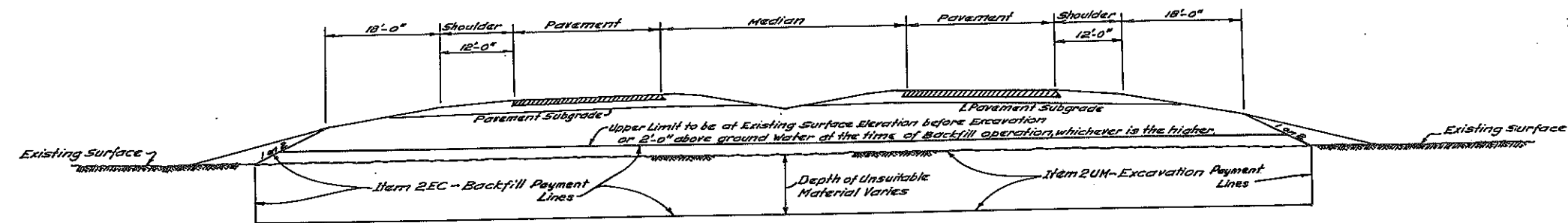
UNDERCUT FOR RAMP SECTION (ONE-WAY OPERATION)
 SUPERELEVATED ABOUT THEORETICAL GRADE
 RAMPS 'E', 'F', 'G', 'H', 'K', 'L',
 SOUTH BAY ROAD CONNECTION SOUTH
 SCALE: 1/4" = 1'-0"
 SECTION U

IN CHARGE OF
 DESIGNED BY
 ESTIMATE BY
 TRACED BY

Prepared pursuant to the Highway Law, and recommended
 by
 ENGINEER DIST. NO.
 HC-7 (2/64)

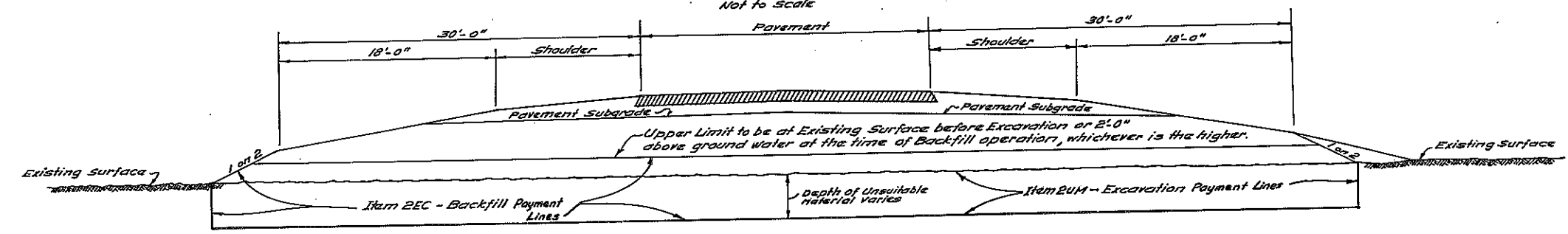


FED. ROAD REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		8	257
EUCLID-NORTH SYRACUSE, S.H.				



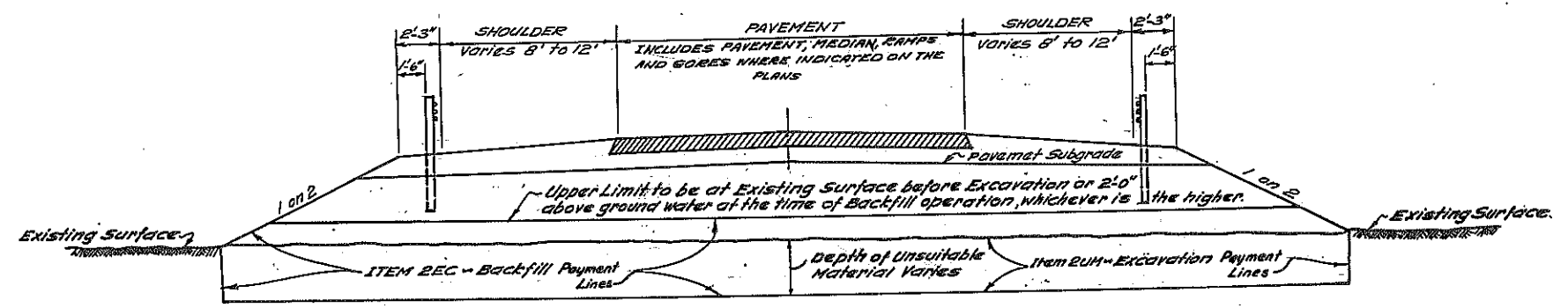
**UNSUITABLE MATERIAL EXCAVATION SECTION
PAVEMENTS SEPARATED WITH MEDIAN**

SECTION V
 STA. 139+70 E - 152+00 E STA. 166'328+50 E - 166'341+50 E
 STA. 162'01+26 Ed. - 162'11+80 Ed. STA. 162'1343+50 E - 162'1347+50 E
 NOT TO SCALE



**UNSUITABLE MATERIAL EXCAVATION SECTION
PAVEMENTS WITHOUT MEDIAN**

SECTION W
 NOT TO SCALE
 STA. 17-T'8+50 E - 17-T'11+50 E
 STA. 18'0+20 E - 18'6+50 E



UNSUITABLE MATERIAL EXCAVATION SECTION WITH GUIDE RAIL

SECTION 'K-K'
 NOT TO SCALE
 STA. 10'6+96 E - 15'24+65 E
 MAIN LINE - S.B. 76 L. 357+90 - 366+75

**CONSTRUCTION NOTES FOR REMOVAL OF
UNSUITABLE MATERIAL**

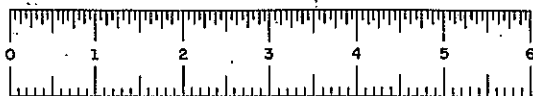
GENERAL

1. Excavate the Unsuitable Material to the Limits shown.
2. Where Culverts are to be located in Areas of Unsuitable Material Removal, the Lateral Limits of Excavation will be extended for a distance of 10 Feet beyond the Ends of the Pipes and 10 Feet on both sides of the Pipes.
3. Backfill with Item 2EC or 2EFB where applicable, to an Elevation of two feet above the water surface existing at the time of Construction.
4. Refer to standard structure sheets numbered 68-19A or 67-19 for Installation Details and Payment Lines for Items 2E and 2EFB placed around pipes where proposed in the swamps.
5. Unsuitable Material Excavation and Backfill Operations shall be progressed parallel to the Roadway Centerlines in one direction only across the swamps.
6. Do not dewater the Excavations.
7. Unsuitable Material shall not be placed on the Swamp Surface within 50 Feet of an open Excavation or an Area scheduled to be excavated.
8. Allow a minimum one month waiting period of subgrade Elevation in all Areas of Unsuitable Material removal prior to paving.
9. Unsuitable Material may be used to flatten slopes as directed by the Engineer.

SPECIAL NOTE - SPOIL AREA

If Dikes are required in the Spoil Areas to contain the Unsuitable Material, they shall be furnished by the Contractor, the cost of which will be included in the Price bid for Item 2UM.
 Before constructing Dikes in the Spoil Area the Plans for the Dikes shall be submitted to the Engineer for approval.
 All Spoil Areas shall be leveled and graded as ordered by the Engineer.

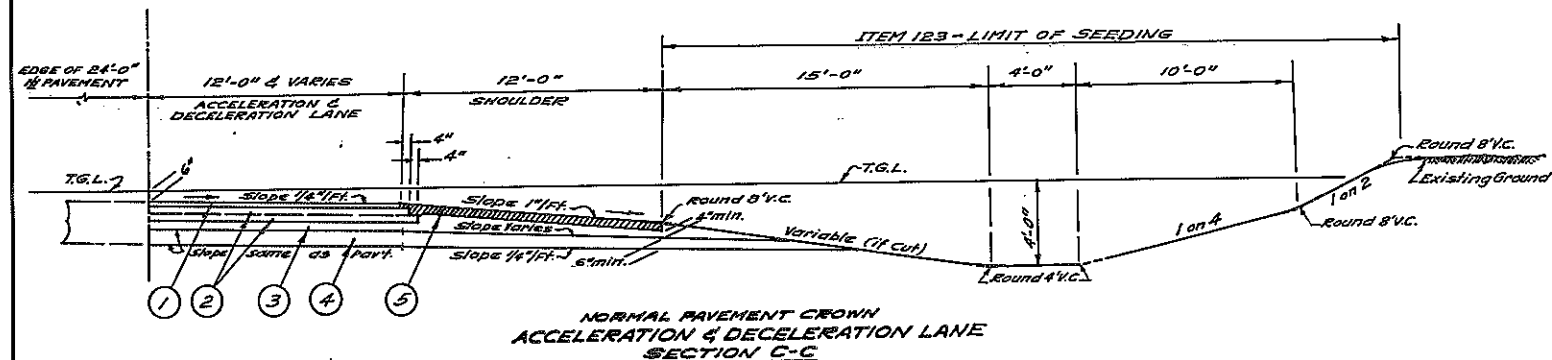
IN CHARGE OF
 DESIGNED BY
 ESTIMATE BY



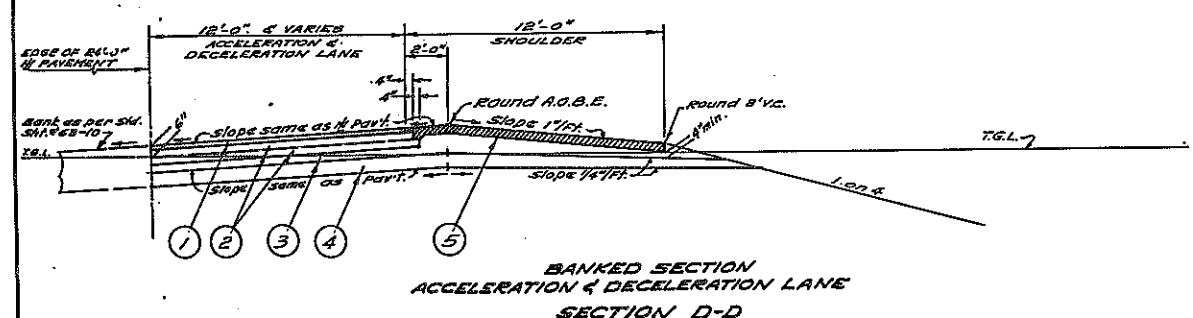
FED. ROAD REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		10	257

EUCLID-NORTH SYRACUSE, S.H.

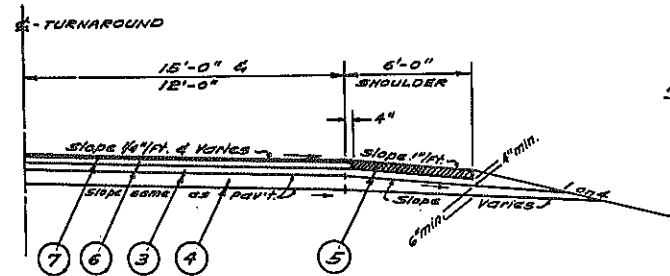
TYPICAL SECTIONS
SCALE: 1/4" = 1'-0"



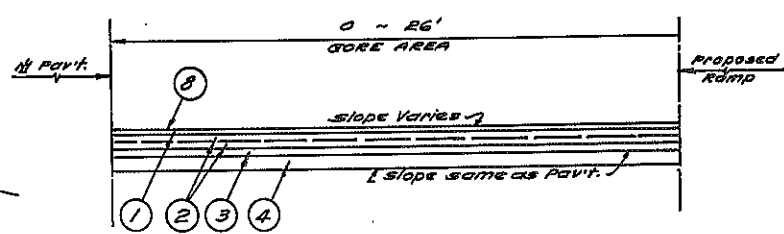
**NORMAL PAVEMENT CROWN
ACCELERATION & DECELERATION LANE
SECTION C-C**



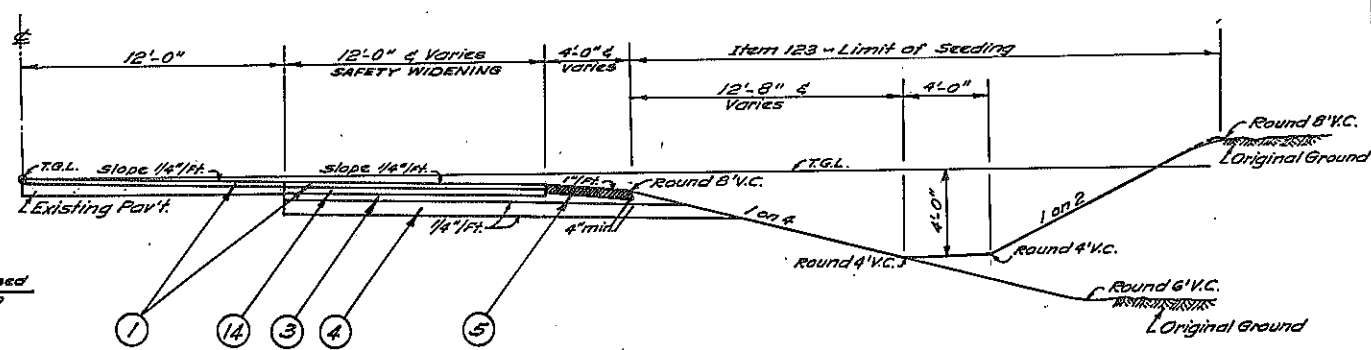
**BANKED SECTION
ACCELERATION & DECELERATION LANE
SECTION D-D**



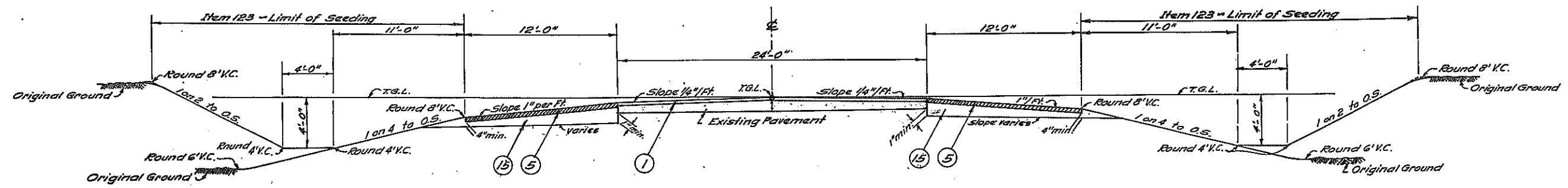
**TURNAROUND
SECTION E-E**



**GORE AREA
SECTION F-F**



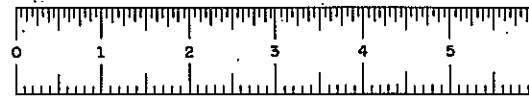
**SAFETY WIDENING
SOUTH BAY ROAD
SECTION H-H**



**TYPICAL SECTION
SOUTH BAY ROAD
SECTION G-G**

- ① - Item 51M-F - Asphalt Concrete, 2 1/2" Thick (1 1/2" Binder, 1" Top)
- ② - Item 45SP - Base Course, Asphalt Concrete, Type 1A, 8" Thick (Two Courses)
- ③ - Item 4 - Subbase Course, select Granular Material, 4" Thick
- ④ - Item 3 - Subbase Course, Granular Material, 8" Thick
- ⑤ - Item 59WNB - Bituminous Stabilized Course (Including Shoulders), 4" Thick
- ⑥ - Item 45SP - Base Course, Asphalt Concrete, Type 1A, 3" Thick
- ⑦ - Item 51MFZ - Asphalt Concrete, 1" Thick
- ⑧ - Item 60S - Surface Texture & Color Contrast Course for Stabilized Shoulders
- ⑭ - Item 45SP - Base Course, Asphalt Concrete, Type 1A, 4" Thick
- ⑮ - Item 3 - Subbase Course, Granular Material, Thickness Varies

IN CHARGE OF
DESIGNED BY *John C. Shannon & Associates*
ESTIMATE BY *John C. Shannon & Associates*



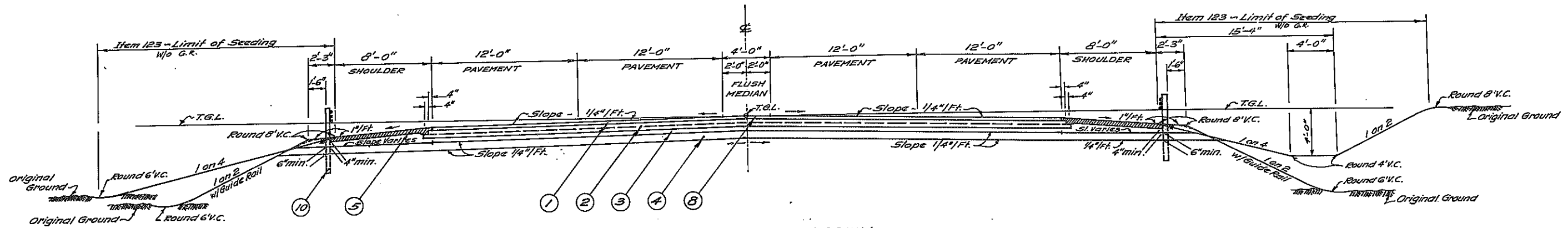
SH 69-5 RC 69-102

FED. RD. RES. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		11	257

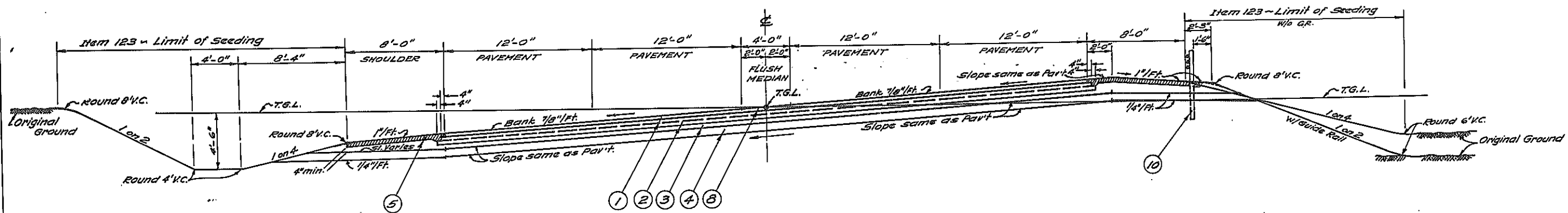
EUCLID-NORTH SYRACUSE, S.H.

TYPICAL SECTIONS

SCALE: 1/4" = 1'-0"



NORMAL PAVEMENT CROWN
FOUR-LANE PAVEMENT WITH 4 FT. COLOR CONTRASTED FLUSH MEDIAN
MORGAN ROAD
SECTION I-I



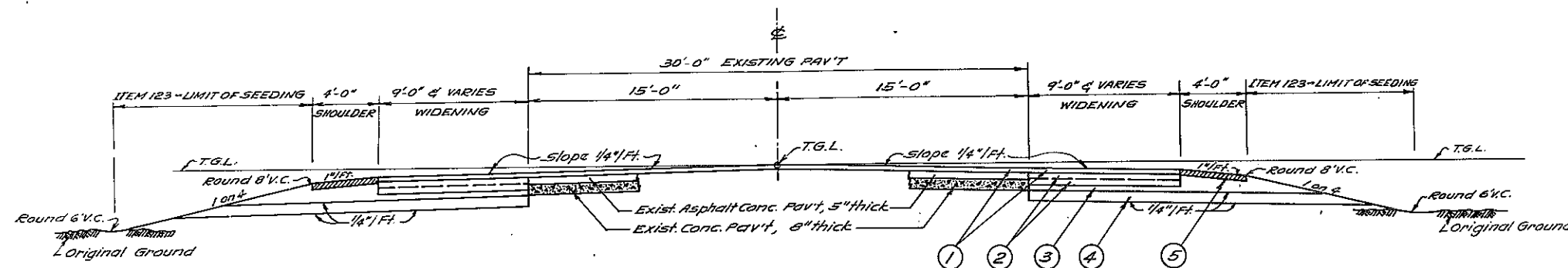
BANKED SECTION
SUPERELEVATED ABOUT THE CENTERLINE AXIS OF THE NORMAL PAVEMENT
CURVE LEFT
MORGAN ROAD
SECTION J-J

- ① ITEM 51M-F - Asphalt Concrete, 2 1/2" Thick (1 1/2" Binder, 1" Top)
- ② ITEM 45SP - Base Course, Asphalt Concrete, Type 1A, 6" Thick (Two Courses)
- ③ ITEM 4 - Subbase Course, Select Granular Material, 4" Thick
- ④ ITEM 3 - Subbase Course, Granular Material, 8" Thick
- ⑤ ITEM 59NWB - Bituminous Stabilized Course (Incl. Shoulders), 4" Thick
- ⑧ ITEM 60S - Surface Texture & Color Contrast Course for Stabilized Shoulders
- ⑩ ITEM 33AD - Box-Beam Guide Rail

E. Kulietz *John P. Shuman* *E. Kulietz* *John P. Shuman*
 MADE BY CHECKED BY TRACED BY CHECKED BY

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	NY		12R	257
PHOENIX - SYRACUSE, S.H. 5274				
EUCLID - NORTH SYRACUSE, S.H.				
SYRACUSE - CICERO, S.H. 5470				

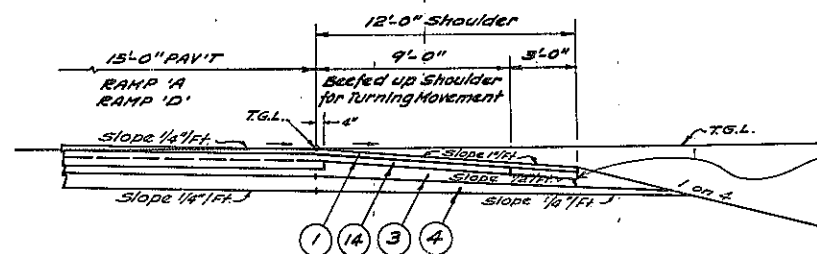
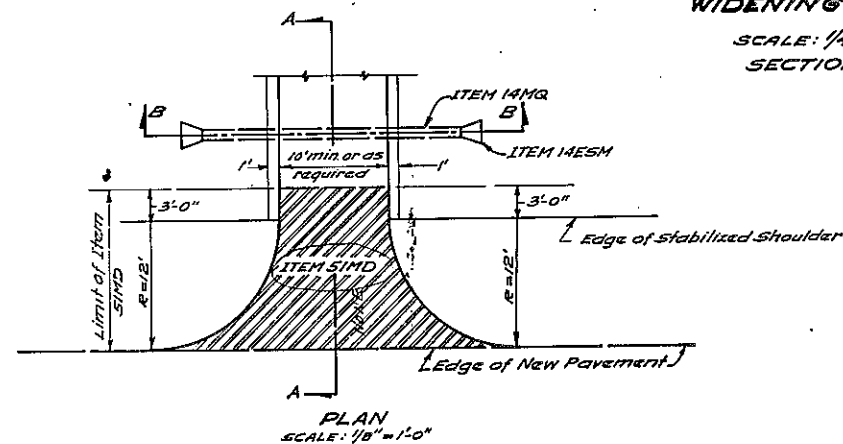
TYPICAL SECTION



- ① Item 51M-F - Asphalt Concrete, 2 1/2" thick (1 1/2" Binder, 1" Top)
- ② Item 45 SP - Base Course, Asphalt Concrete, Type 1A, 8" thick (2 Courses)
- ③ Item 4 - Subbase Course, Select Granular Material, 4" thick
- ④ Item 3 - Subbase Course, Granular Material, 8" thick
- ⑤ Item 59WWB - Bituminous Stabilized Course (Incl. Shoulders), 4" thick
- ⑬ Item 14ESM - End Sections - Optional (Two required per Driveway Pipe)
- ⑭ Item 14MA - Culvert Pipe - Optional, 12" - 18" - 24" (where necessary) A.O.B.E.
- ⑮ Item 2 - Unclassified Excavation
- ⑯ Item 51MD - Asphalt Concrete Driveways 1 1/2" thick (for Asphalt Conc. Driveways)
- ⑰ Item 45 SP - Base Course, Asphalt Concrete, Type 1A, 4" thick

WIDENING - ROUTE 11

SCALE: 1/4" = 1'-0"



SPECIAL SHOULDER DETAIL
BEEFED UP SHOULDER FOR TURNING MOVEMENT
RAMP 'A' & RAMP 'D'
SEE PLANS FOR LOCATION
SCALE: 1/4" = 1'-0"

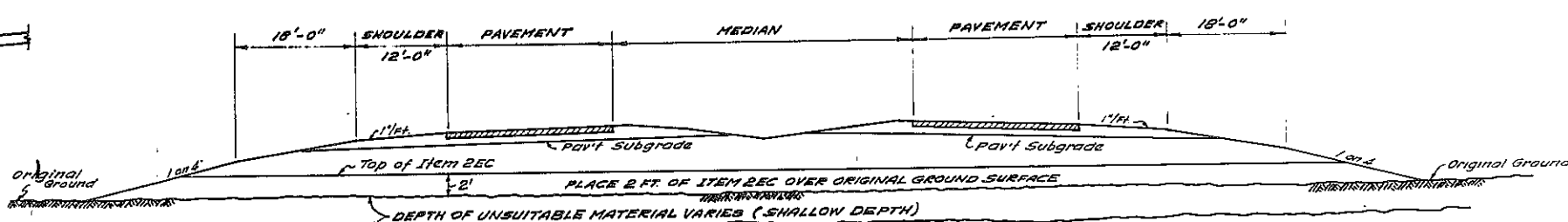
45 SP to 12' Super E.C. F. Buckus 8/25/11

PLAN SCALE: 1/8" = 1'-0"

LONGITUDINAL SECTION 'A-A' SCALE: 1/4" = 1'-0"

CROSS SECTION 'B-B' SCALE: 1/4" = 1'-0"

DRIVEWAYS TO BE PROVIDED



DO NOT STRIP EXISTING SHALLOW DEPTH OF EXISTING UNSUITABLE MATERIAL FROM STATIONS INDICATED BELOW:

STA. 105+00± S.B. TO STA. 111+00± S.B.	STA. 194+00± S.B. TO STA. 195+00± S.B.
STA. 104+70± N.B. TO STA. 110+60± N.B.	STA. 194+00± N.B. TO STA. 195+00± N.B.
STA. 179+80± S.B. TO STA. 181+30± S.B.	STA. 244+00± S.B. TO STA. 245+50± S.B.
STA. 179+60± N.B. TO STA. 181+20± N.B.	STA. 244+00± N.B. TO STA. 245+50± N.B.
STA. 190+30± S.B. TO STA. 191+90± S.B.	STA. 267+50± S.B. TO STA. 268+70± S.B.
STA. 189+90± N.B. TO STA. 191+60± N.B.	STA. 267+50± N.B. TO STA. 268+20± N.B.

PLACE 2 FT. OF ITEM 2EC OVER ORIGINAL GROUND SURFACE

UNSUITABLE MATERIAL - SHALLOW DEPTH SECTION
(UNSUITABLE MATERIAL TO REMAIN IN PLACE)
PAVEMENT SEPARATED WITH MEDIAN
SECTION 'M-M'
NOT TO SCALE

E. Lauberts MADE BY
John C. Blanton CHECKED BY
E. Lauberts TRACED BY
John C. Blanton CHECKED BY

FED. RD. RES. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		14R	257

EUCLID - NORTH SYRACUSE, S.H.
AS BUILT

SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	TOTAL CONTRACT PROPOSAL	FINAL
1B	CLEARING AND GRUBBING, BURNING PERMITTED	L.S.	NEC.	100%
1M	MOBILIZATION	L.S.	NEC.	100%
1NB	SUPPLEMENTAL CLEARING AND GRUBBING	L.S.	NEC.	100%
1W	FURNISHING WATER EQUIPMENT	L.S.	NEC.	100%
1WA	APPLYING WATER	M. GAL.	7,290	22,966.4
2	UNCLASSIFIED EXCAVATION	C.Y.	2,082,250	
2EC	SELECTED BORROW	C.Y.	458,000	530,502.9
2EF.B	SELECTED GRANULAR FILL	C.Y.	46,050	
2SP	GRANULAR FILL, SLOPE PROTECTION	C.Y.	10,700	9,829.5
2T	SETTLEMENT PLATFORMS	EA.	8	10
2UF	UNDERDRAIN FILTER	C.Y.	750	951.5
2UM	UNSUITABLE MATERIAL EXCAVATION	C.Y.	385,400	326,818.3
2U-D	SELECTED FILL (BRIDGE FOUNDATIONS)	C.Y.	49,290	44,226.7
3	SUBBASE COURSE, GRANULAR MATERIAL	C.Y.	136,300	143,950.2
4	SUBBASE COURSE, SELECT GRANULAR MATERIAL	C.Y.	89,800	90,206.5
5B	STRUCTURE EXCAVATION	C.Y.	7,330	5,794.3
5T	TRENCH & CULVERT EXCAVATION	C.Y.	16,820	41,558
6	LABORATORY BUILDING	EA.	1	1
6BA	CONCRETE CYLINDER CURING BOX	EA.	2	2
6E	ENGINEER'S OFFICE, TYPE C	L.S.	NEC.	100%
7	TRIMMING ROAD SECTION	L.F.	103,000	105,126.1
8	PREPARING FINE GRADE	S.Y.	485,750	495,627
11-12	ROUND C.M.P., 12" DIA, 16GA	L.F.	202	308
11-18	ROUND C.M.P., 18" DIA, 16GA	L.F.	2,902	3,709.5
11-24	ROUND C.M.P., 24" DIA, 16GA	L.F.	772	1,684
11-30	ROUND C.M.P., 30" DIA, 14GA	L.F.	3,850	4,880
11M36	ROUND C.M.P., OPT, 36" DIA, 14GA (2 3/4 x 1/2), 16GA (3X1)	L.F.	392	392
11M36A	ROUND C.M.P., OPT, 36" DIA, 10GA (2 3/4 x 1/2), 16GA (3X1)	L.F.	276	276
11M42	ROUND C.M.P., OPT, 42" DIA, 12GA (2 3/4 x 1/2), 16GA (3X1)	L.F.	84	84
11M48	ROUND C.M.P., OPT, 48" DIA, 12GA (2 3/4 x 1/2), 16GA (3X1)	L.F.	262	272
11M54	ROUND C.M.P., OPT, 54" DIA, 12GA (2 3/4 x 1/2), 16GA (3X1)	L.F.	182	182
11M60	ROUND C.M.P., OPT, 60" DIA, 10GA (2 3/4 x 1/2), 16GA (3X1)	L.F.	392	372
11ES12	GALV. METAL END SECTIONS, 12" DIA.	EA.	4	5
11ES18	GALV. METAL END SECTIONS, 18" DIA.	EA.	41	43
11ES24	GALV. METAL END SECTIONS, 24" DIA.	EA.	11	20
11ES30	GALV. METAL END SECTIONS, 30" DIA.	EA.	41	53
11ES36	GALV. METAL END SECTIONS, 36" DIA.	EA.	7	7
11ES42	GALV. METAL END SECTIONS, 42" DIA.	EA.	1	1
11ES48	GALV. METAL END SECTIONS, 48" DIA.	EA.	2	2
11ES54	GALV. METAL END SECTIONS, 54" DIA.	EA.	2	2
11ES60	GALV. METAL END SECTIONS, 60" DIA.	EA.	6	6
11HG	PERFORATED CORR. METAL PIPE UNDERDRAIN, 6" DIA.	L.F.	7,280	10,499.5
11SM60	ELONGATED C.M.P., OPT, 60" DIA, 10GA (2 3/4 x 1/2), 12GA (3X1)	L.F.	238	238

ITEM NO.	DESCRIPTION	UNIT	TOTAL CONTRACT PROPOSAL	FINAL	
12A73	CORR. STRUCT. PLATE PIPE-ARCH, 6'-1" SPAN BY 4'-7" RISE, 12GA	L.F.	184	184	
12A92	CORR. STRUCT. PLATE PIPE-ARCH, 7'-8" SPAN BY 5'-5" RISE, 10GA	L.F.	402	428	
12A114	CORR. STRUCT. PLATE PIPE-ARCH, 9'-6" SPAN BY 6'-5" RISE, 12GA	L.F.	266	258	
12A114A	CORR. STRUCT. PLATE PIPE-ARCH, 9'-6" SPAN BY 6'-5" RISE, 10GA	L.F.	232	232	
12A154	CORR. STRUCT. PLATE PIPE-ARCH, 12'-10" SPAN BY 8'-4" RISE, 12GA	L.F.	1,720	1,592	
12A184	CORR. STRUCT. PLATE PIPE-ARCH, 15'-4" SPAN BY 9'-3" RISE, 12GA	L.F.	1,024	912	
12A184A	CORR. STRUCT. PLATE PIPE-ARCH, 15'-4" SPAN BY 9'-3" RISE, 10GA	L.F.	664	632	
13DEX	13DE	DOWNSPOUTS	L.F.	100	97
14M21	REINFORCED CONC. PRESSURE PIPE CLASS IV, 21" DIA.	L.F.	357	352	
14M21B	CULVERT PIPE, OPTIONAL, 12" DIA.	L.F.	280	388	
14M21B	CULVERT PIPE, OPTIONAL, 18" DIA.	L.F.	362	190	
14M22A	CULVERT PIPE, OPTIONAL, 24" DIA.	L.F.	156	120	
14ESH12	END SECTIONS, OPTIONAL, 12" DIA.	EA.	22	16	
14ESH18	END SECTIONS, OPTIONAL, 18" DIA.	EA.	12	16	
14ESH24	END SECTIONS, OPTIONAL, 24" DIA.	EA.	4	2	
16	FURNISHING & APPLYING CALCIUM CHLORIDE	TON	280	66	
18	CLASS 'A' CONCRETE FOR STRUCTURES	C.Y.	585	659.12	
18MA	CLASS 'A' CONCRETE FOR STRUCTURES	S.F.	95,440	75,263.2	
20	CLASS 'B' CONCRETE FOR STRUCTURES	C.Y.	3,552	3,456.40	
24A	BAGGED SCREENED AGGREGATE	C.Y.	510	445.71	
28	BAR REINFORCEMENT FOR STRUCTURES	Lb.	1,175,150	1,556,120	
28B	STUD SHEAR CONNECTORS	EA.	23,046	25,656	
28	STRUCTURAL STEEL	Lb.	3,928,190	3,285,208	
30C1	FRAMES & GRATES - CASTINGS (3.3 S.F.)	S.F.	59.4	89.1	
30C2	FRAMES & GRATES - CASTINGS (3.1 S.F.)	S.F.	21.7	27.9	
30F1	FRAMES & GRATES - FABRICATED (6.2 S.F.)	S.F.	322.4	409.8	
30F2	FRAMES & GRATES - FABRICATED (7.5 S.F.)	S.F.	45.0	60	
33AD	BOX-BEAM GUIDE RAIL	L.F.	22,860	21,093.7	
33ADX	BOX-BEAM GUIDE RAIL (SNOP CURVED)	L.F.	4,790	4,838.6	
33ADDR	BOX-BEAM GUIDE RAIL END ASSEMBLY	EA.	53	70	
33MU	MEDIAN BARRIER	L.F.	2,630	4,679.6	
33MUA	MEDIAN BARRIER - END ASSEMBLIES	EA.	5	7	
33MUB	MEDIAN BARRIER - END ASSEMBLIES	EA.	12	19	
33DM	CORR. BEAM TYPE MALL BARRIER	L.F.	1,000	4,379.4	
34A	GUIDE POSTS (WOOD)	EA.	8	5	
37S2	STEEL BRIDGE RAILING (TWO-RAIL)	L.F.	3,940	4,021.36	
45SP	BASE COURSE ASPHALT CONCRETE, TYPE 1A	TON	124,700	116,808	
51M	ASPHALT CONCRETE DRIVEWAYS	TON	140	258.5	
51MF	ASPHALT CONCRETE	TON	41,600	45,675.2	

ITEM NO.	DESCRIPTION	UNIT	TOTAL CONTRACT PROPOSAL	FINAL
51MFZ	ASPHALT CONCRETE, TOP COURSE	TON	550	806.5
55S	SURFACE COURSE FOR STABIL. SHOULDERS (SINGLE SURF. TREATMENT)	S.Y.	188,700	
59MNB	BITUMINOUS STABIL. COURSE (INCL. SHOULDERS)	C.Y.	21,000	15,336.2
60S	SURF. TEXTURE & COLOR CONTRAST COURSE (FOR STABIL. SHOULDERS)	S.Y.	191,750	191,956
61	BITUMINOUS MATERIAL	GAL.	690	684.6
6B	BITUMINOUS MATERIAL 'A'	GAL.	377,600	
70B	BITUMINOUS MATERIAL 'A' EMULSION	GAL.	152,300	70,983
76	MAINTENANCE & PROTECTION OF TRAFFIC (REG. C)	L.S.	NEC.	100%
79B	CONCRETE BLOCK PAVING	S.Y.	6,370	7,251.82
80AZ	GROUTED RIP-RAP	C.Y.	605	410.9
81A	REMOVING EXISTING SUPERSTRUCTURES	L.S.	NEC.	100%
83TXS	TEMPORARY SHEET PILING	S.F.	88,350	11,56.9
84SB	STEEL BEARING TEST PILES	L.F.	240	240
85	STEEL BEARING PILES	L.F.	1,000	864
85A	SPLICES FOR STEEL BEARING PILES	EA.	20	
85C	CAST-IN-PLACE CONCRETE PILES	L.F.	11,850	11,524.9
87	FURNISHING EQUIPMENT FOR DRIVING PILES	L.S.	NEC.	100%
90Y	CLEANING EXISTING PAVEMENT (PER SQUARE YARD)	S.Y.	15,650	17,267
94M	OPTIONAL CURB (TYPE C)	L.F.	4,340	8,334.9
94SBV	STONE CURB (BRIDGE TYPES)	L.F.	5,300	5,197.4
101B	DRAINAGE TROUGH	L.F.	290	284.85
102CR1	MANHOLES	L.F.	60	80.12
102DR	DROP INLETS	L.F.	305.0	380.35
102DRS	PULL BOXES	L.F.	70.0	121.9
103	ALTERING CATCH BASINS, FIELD INLETS, MANHOLES & DROP INLETS	EA.	8	11
104B	GRANITE RIGHT-OF-WAY MARKERS	EA.	341	290
104X	PERMANENT SURVEY MARKERS	EA.	14	14
105	CONCRETE SIDEWALK	S.Y.	2	2.65
106MS6	CHAIN LINK FENCING (6 FT. HIGH)	L.F.	29,100	34,577.1
106R4	RIGHT-OF-WAY FENCING (4 FT. HIGH)	L.F.	49,660	53,858.7
106X	REMOVE EXISTING R.O.W. FENCE	L.F.	210	182
113NB	HIGHWAY BARRICADE (WF TYPE POSTS)	L.F.	200	226
116	PROJECT SURVEY & STAKEOUT	L.S.	NEC.	100%
120DS1	DISPOSAL OF BUILDINGS, 1/2x133, Lt. T. & E. NOWICKIS	L.S.	NEC.	100%
120DS2	DISPOSAL OF BUILDINGS, 1/2x130, Rt. GRANHAM & EBLESTON	L.S.	NEC.	
120DS3	DISPOSAL OF BUILDINGS, 1/2x100, Rt. GRANHAM & EBLESTON	L.S.	NEC.	100%
120DS4	DISPOSAL OF BUILDINGS, 1/2x130, Rt. W. & H. MCNEGLY	L.S.	NEC.	100%
120DS5	DISPOSAL OF BUILDINGS, 1/2x110, Rt. M. & E. BAKER	L.S.	NEC.	100%
120DS6	DISPOSAL OF BUILDINGS, 1/2x110, Lt. G. & F. LEWIS	L.S.	NEC.	100%
120DS7	DISPOSAL OF BUILDINGS, 1/2x135, Rt. R. & V. MCLAREN	L.S.	NEC.	
120DS8	DISPOSAL OF BUILDINGS, 1/2x160, Rt. I. & A. RODRIGUEZ	L.S.	NEC.	
120DS9	DISPOSAL OF BUILDINGS, 1/2x150, Rt. J. & M. HAVENS	L.S.	NEC.	100%

MADE BY: [Signature] CHECKED BY: [Signature] TRACED BY: [Signature] CHECKED BY: [Signature]

As built revisions: Final Quantities

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		15R	257
-RELOCATION ROUTE 57-				
EUCLID - NORTH SYRACUSE, S.H.				

SEE FIELD CHANGE SHEET 157L

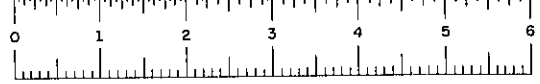
SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	TOTAL CONTRACT PROPOSAL	FINAL
120DS10	DISPOSAL OF BUILDINGS, J'10+20, RT., H. & M. ROOT	L.S.	Nec.	
120DS11	DISPOSAL OF BUILDINGS, J'11+60, RT., F. CACCOMANNO	L.S.	Nec.	
120DS12	DISPOSAL OF BUILDINGS, J'12+25, RT., F. CACCOMANNO	L.S.	Nec.	
120DS13	DISPOSAL OF BUILDINGS, J'12+70, RT., F. CACCOMANNO	L.S.	Nec.	
120DS14	DISPOSAL OF BUILDINGS, J'12+70, RT., F. CACCOMANNO	L.S.	Nec.	
120DS15	DISPOSAL OF BUILDINGS, X'0+25, RT., L. & B. O'SHEA	L.S.	Nec.	
120DS16	DISPOSAL OF BUILDINGS, X'0+70, RT., L. & C. O'SHEA	L.S.	Nec.	
120DS17	DISPOSAL OF BUILDINGS, J'19+75, RT., CENTRAL N.Y. REALTY CORP.	L.S.	Nec.	
120DS18	DISPOSAL OF BUILDINGS, J'20+15, RT., CENTRAL N.Y. REALTY CORP.	L.S.	Nec.	
120DS19	DISPOSAL OF BUILDINGS, J'21+00, RT., CENTRAL N.Y. REALTY CORP.	L.S.	Nec.	
120DS20	DISPOSAL OF BUILDINGS, J'20+25, LT., T. & E. NOVICKIS	L.S.	Nec.	
121	TOPSOIL PLACED FROM STOCKPILES	C.Y.	23,500	
123	SEEDING	ACRE	150	
124	SODDING	S.Y.	1,080	
200S2B	TWO-PHASE FULL TRAFFIC ACTUATED SOLID STATE CONTROL	EA.	1	
200S3B	THREE PHASE FULL TRAFFIC ACTUATED SOLID STATE CONTROLLER	EA.	1	
201C	DOUBLE CLEARANCE TIMER	EA.	1	
202A	TRAFFIC SIGNAL HEAD, ONE-WAY, FACE A	EA.	4	
202AA	TRAFFIC SIGNAL HEAD, TWO-WAY, FACES A, A	EA.	1	
202AARC	TRAFFIC SIGNAL HEAD, FOUR-WAY, FACES A, A, C, C	EA.	2	
202AC	TRAFFIC SIGNAL HEAD, TWO-WAY, FACES A, C	EA.	1	
203.1D	INDUCTANCE LOOP VEHICLE DETECTOR UNIT	EA.	9	
2031LA	WIRE LOOP FOR INDUCT. LOOP VEHICLE DETECT. 20-40 PERIMETER	EA.	18	
2031LB	WIRE LOOP FOR INDUCT. LOOP VEHICLE DETECT. OVER 40 PERIMETER	EA.	18	
204A	CABLE FOUR CONDUCTOR NO. 14	L.F.	1,950	
204B	CABLE TWELVE CONDUCTOR NO. 14	L.F.	450	
204D	POWER CABLE TWO CONDUCTOR NO. 10	L.F.	100	
205-2	SPAN WIRE ASSEMBLY TWO POINTS OF ATTACHMENT	EA.	2	
206-36	STEEL SIGNAL POLE, 36 FT. LONG	EA.	4	
21GR	REMOVING EXISTING STEEL POLE	EA.	2	
252	ROADSIDE DELINEATOR, TYPE II (AMBER OBL. UNIT CENTER MOUNT)	EA.	396	
253	ROADSIDE DELINEATOR, TYPE III (SILVER REFLECT. SHEET)	EA.	472	
254A	ROADSIDE DELINEATOR, TYPE IV (YELLOW REFLECT. SHEET, TWO UNIT)	EA.	60	
254B	ROADSIDE DELINEATOR, TYPE IV (YELLOW REFLECT. SHEET, THREE UNIT)	EA.	4	
363J	EPOXY PROTECTIVE COATING FOR CONCRETE	L.F.	16,460	
422-3	3" GALV. STEEL CONDUIT	L.F.	560	
470X1	GUIDE SIGN, OPTIONAL (39 S.F.)	EA.	1	
470X2	GUIDE SIGN, OPTIONAL (50 S.F.)	EA.	1	
470X3	GUIDE SIGN, OPTIONAL (37 S.F.)	EA.	1	
470X4	GUIDE SIGN, OPTIONAL (53 S.F.)	EA.	1	
470X5	GUIDE SIGN, OPTIONAL (27 S.F.)	EA.	1	
470X6	GUIDE SIGN, OPTIONAL (39 S.F.)	EA.	1	

ITEM NO.	DESCRIPTION	UNIT	TOTAL CONTRACT PROPOSAL	FINAL
470X7	GUIDE SIGN, OPTIONAL (32 S.F.)	EA.	1	
470X8	GUIDE SIGN, OPTIONAL (50 S.F.)	EA.	1	
470X9	GUIDE SIGN, OPTIONAL (23 S.F.)	EA.	1	
470X10	GUIDE SIGN, OPTIONAL (91 S.F.)	EA.	1	
470X11	GUIDE SIGN, OPTIONAL (69 S.F.)	EA.	1	
470X12	GUIDE SIGN, OPTIONAL (179 S.F.)	EA.	1	
470X13	GUIDE SIGN, OPTIONAL (170 S.F.)	EA.	1	
470X14	GUIDE SIGN, OPTIONAL (124 S.F.)	EA.	1	
470X15	GUIDE SIGN, OPTIONAL (252 S.F.)	EA.	1	
470X16	GUIDE SIGN, OPTIONAL (30 S.F.)	EA.	1	
470X17	GUIDE SIGN, OPTIONAL (120 S.F.)	EA.	1	
470X18	GUIDE SIGN, OPTIONAL (11 S.F.)	EA.	1	
470X19	GUIDE SIGN, OPTIONAL (12 S.F.)	EA.	2	
470X20	GUIDE SIGN, OPTIONAL (14 S.F.)	EA.	1	
470X21	GUIDE SIGN, OPTIONAL (40 S.F.)	EA.	1	
470X22	GUIDE SIGN, OPTIONAL (179 S.F.)	EA.	1	
470X23	GUIDE SIGN, OPTIONAL (132 S.F.)	EA.	1	
470X24	GUIDE SIGN, OPTIONAL (156 S.F.)	EA.	1	
470X25	GUIDE SIGN, OPTIONAL (143 S.F.)	EA.	1	
471A1A	OVERHEAD PANEL - ALUMINUM (192 S.F.)	EA.	1	
471A2A	OVERHEAD PANEL - ALUMINUM (145 S.F.)	EA.	1	
471A3A	OVERHEAD PANEL - ALUMINUM (150 S.F.)	EA.	1	
471A4A	OVERHEAD PANEL - ALUMINUM (120 S.F.)	EA.	1	
471A5A	OVERHEAD PANEL - ALUMINUM (179 S.F.)	EA.	1	
471A6A	OVERHEAD PANEL - ALUMINUM (179 S.F.)	EA.	1	
471A7A	OVERHEAD PANEL - ALUMINUM (174 S.F.)	EA.	1	
471A8A	OVERHEAD PANEL - ALUMINUM (125 S.F.)	EA.	1	
471A1B	OVERHEAD PANEL - ALUMINUM (140 S.F.)	EA.	1	
471A2B	OVERHEAD PANEL - ALUMINUM (186 S.F.)	EA.	1	
471A3B	OVERHEAD PANEL - ALUMINUM (125 S.F.)	EA.	1	
471A5B	OVERHEAD PANEL - ALUMINUM (182 S.F.)	EA.	1	
471A6B	OVERHEAD PANEL - ALUMINUM (132 S.F.)	EA.	1	
471A7B	OVERHEAD PANEL - ALUMINUM (32 S.F.)	EA.	1	
471A5C	OVERHEAD PANEL - ALUMINUM (32 S.F.)	EA.	1	
471A6C	OVERHEAD PANEL - ALUMINUM (32 S.F.)	EA.	1	
472X1	SECONDARY PANEL - OPTIONAL (32 S.F.)	EA.	1	
472X2	SECONDARY PANEL - OPTIONAL (43 S.F.)	EA.	2	
472X3	SECONDARY PANEL - OPTIONAL (38 S.F.)	EA.	2	
473-2	TRAFFIC SIGN	EA.	8	
473-11	TRAFFIC SIGN	EA.	2	
473-30	TRAFFIC SIGN	EA.	3	
473-31	TRAFFIC SIGN	EA.	18	

ITEM NO.	DESCRIPTION	UNIT	TOTAL CONTRACT PROPOSAL	FINAL
473-41	TRAFFIC SIGN	EA.	5	
473-42	TRAFFIC SIGN	EA.	1	
473-43	TRAFFIC SIGN	EA.	17	
473-44	TRAFFIC SIGN	EA.	9	
473-54	TRAFFIC SIGN	EA.	2	
473-56	TRAFFIC SIGN	EA.	2	
473-58	TRAFFIC SIGN	EA.	12	
473-74	TRAFFIC SIGN	EA.	2	
473-9A	TRAFFIC SIGN	EA.	4	
473-1B	TRAFFIC SIGN	EA.	6	
473-9B	TRAFFIC SIGN	EA.	2	
473-3C	TRAFFIC SIGN	EA.	2	
473-10C	TRAFFIC SIGN	EA.	2	
473-12C	TRAFFIC SIGN	EA.	9	
473-4D	TRAFFIC SIGN	EA.	5	
473-3E	TRAFFIC SIGN	EA.	1	
473-10E	TRAFFIC SIGN	EA.	6	
473-56V	TRAFFIC SIGN	EA.	1	
473-74V	TRAFFIC SIGN	EA.	1	
473-75V	TRAFFIC SIGN	EA.	4	
473M30	TRAFFIC SIGN	EA.	2	
473SE	TRAFFIC SIGN	EA.	5	
473T30	TRAFFIC SIGN	EA.	6	
473T2C	TRAFFIC SIGN	EA.	1	
473T52	TRAFFIC SIGN	EA.	3	
473M34	TRAFFIC SIGN	EA.	1	
474-1	SINGLE CANTILEVER SIGN STRUCTURE	EA.	1	
474-2	SINGLE CANTILEVER SIGN STRUCTURE	EA.	1	
476-1	SINGLE SPAN SIGN STRUCTURE	EA.	1	
476-2	SINGLE SPAN SIGN STRUCTURE	EA.	1	
476-3	SINGLE SPAN SIGN STRUCTURE	EA.	1	
476-4	SINGLE SPAN SIGN STRUCTURE	EA.	1	
476-5	SINGLE SPAN SIGN STRUCTURE	EA.	1	
476-6	SINGLE SPAN SIGN STRUCTURE	EA.	1	
477A	SLIP-IMPACT BASE & HINGE ASSEMBLY (POST TYPE 8)	EA.	20	
477B	SLIP-IMPACT BASE & HINGE ASSEMBLY (POST TYPE 9)	EA.	2	
477C	SLIP-IMPACT BASE & HINGE ASSEMBLY (POST TYPE 10)	EA.	4	
477D	SLIP-IMPACT BASE & HINGE ASSEMBLY (POST TYPE 11)	EA.	12	
480B	REMOVING & STORING SIGNS	EA.	8	
500-6	FURNISH AND INSTALL 6" DIA. CAST IRON WATER PIPE	L.F.	35	
500-10	FURNISH AND INSTALL 10" DIA. CAST IRON WATER PIPE	L.F.	1,380	
500-12	FURNISH AND INSTALL 12" DIA. CAST IRON WATER PIPE	L.F.	420	

MADE BY: J. J. Sullivan
 CHECKED BY: A. J. Smith
 TRACED BY: E. J. Scully
 CHECKED BY: A. J. Smith



These Approval Signatures approve Field Change Sheets 15F1, 100F1, 101F1, 102F1, 103F1, 104F1, 105F1, 106F1, 108F1, 117F1, & 119F1.

APPROVED
DATE 4-8-70
Paul D. Smith
PAUL D. SMITH
Asst. Dir. of Traffic

FIELD CHANGE
SHEET 15 FI VOIDS PART OF ORIGINAL
SHEET 15
MARCH 30, 1970
DATE
ASST. REGIONAL DIRECTOR OF TRANSPORTATION
REGION NO. 3

FED. RD. DIST. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		15 FPR	227

PHOENIX-SYRACUSE, SH 5274
EUCLID-NORTH SYRACUSE SH
MATTYDALE-BREWERTON SH 57-6
SYRACUSE-CICERO, SH 5470

Sheet 15F1 is VOID - See Sheet 15F2

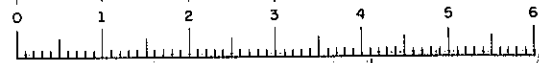
SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	TOTAL CONTRACT PROPOSAL	FINAL
120DS10	DISPOSAL OF BUILDINGS, J10+20, RT., H. & M. ROOT	L.S.	Nec	
120DS11	DISPOSAL OF BUILDINGS, J11+60, RT., F. CACCOMANNO	L.S.	Nec	
120DS12	DISPOSAL OF BUILDINGS, J12+25, RT., F. CACCOMANNO	L.S.	Nec	
120DS13	DISPOSAL OF BUILDINGS, J12+70, RT., F. CACCOMANNO	L.S.	Nec	
120DS14	DISPOSAL OF BUILDINGS, J12+70, RT., F. CACCOMANNO	L.S.	Nec	
120DS15	DISPOSAL OF BUILDINGS, X'D+25, RT., L. & B. O'SHEA	L.S.	Nec	
120DS16	DISPOSAL OF BUILDINGS, X'D+70, RT., L. & C. O'SHEA	L.S.	Nec	
120DS17	DISPOSAL OF BUILDINGS, J19+75, RT., CENTRAL NY REALTY CORP.	L.S.	Nec	
120DS18	DISPOSAL OF BUILDINGS, J20+15, RT., CENTRAL NY REALTY CORP.	L.S.	Nec	
120DS19	DISPOSAL OF BUILDINGS, J21+00, RT., CENTRAL NY REALTY CORP.	L.S.	Nec	
120DS20	DISPOSAL OF BUILDINGS, A'20+25, LT., T. & E. NOWICKIS	L.S.	Nec	
121	TOPSOIL PLACED FROM STOCKPILES	CY	23,500	
123	SEEDING	ACRE	150	
124	SODDING	SY	1,080	
200SRB	TWO-PHASE FULL TRAFFIC ACTUATED SOLID STATE CONTROL	EA	1	
200S3B	THREE PHASE FULL TRAFFIC ACTUATED SOLID STATE CONTROLLER	EA	1	
201C	DOUBLE CLEARANCE TIMER	EA	1	
202A	TRAFFIC SIGNAL HEAD, ONE-WAY, FACE A	EA	4	
202AA	TRAFFIC SIGNAL HEAD, TWO-WAY, FACES A, A	EA	1	
202AAC	TRAFFIC SIGNAL HEAD, FOUR-WAY, FACES AAAC	EA	2	
202AC	TRAFFIC SIGNAL HEAD, TWO-WAY, FACES A, C	EA	1	
2031D	INDUCTANCE LOOP VEHICLE DETECTOR UNIT	EA	9	
2031LA	WIRE LOOP FOR INDUCT. LOOP VEHICLE DETECT. 20-40 PER INET	EA	18	
2031LB	WIRE LOOP FOR INDUCT. LOOP VEHICLE DETECT. OVER 40 PERIM	EA	19	
204A	CABLE FOUR CONDUCTOR NO 14	LF	1,950	
204B	CABLE TWELVE CONDUCTOR NO 14	LF	450	
204D	POWER CABLE TWO CONDUCTOR NO 10	LF	100	
205-2	SPAN WIRE ASSEMBLY TWO POINTS OF ATTACHMENT	EA	2	
206-36	STEEL SIGNAL POLE 36 FT LONG	EA	1	
216R	REMOVING EXISTING STEEL POLE	EA	3	
252	ROADSIDE DELINEATOR, TYPE II (AMBER DBL UNIT CENTER MOUNT)	EA	376	
253	ROADSIDE DELINEATOR, TYPE III (SILVER REFLECT SHEETS)	EA	472	
254A	ROADSIDE DELINEATOR, TYPE IV (YELLOW REFLECT SHEETS TWO UNIT)	EA	60	
254B	ROADSIDE DELINEATOR, TYPE IV (YELLOW REFLECT SHEETS THREE UNIT)	EA	4	
3631	EPOXY PROTECTIVE COATING FOR CONCRETE	LF	16,460	
422-3	3" GALV. STEEL CONDUIT	LF	560	
470X1	GUIDE SIGN, OPTIONAL (39 S.F.)	EA	1	
470X2	GUIDE SIGN, OPTIONAL (50 S.F.)	EA	1	
470X3	GUIDE SIGN, OPTIONAL (37 S.F.)	EA	1	
470X4	GUIDE SIGN, OPTIONAL (53 S.F.)	EA	1	
470X5	GUIDE SIGN, OPTIONAL (27 S.F.)	EA	1	
470X6	GUIDE SIGN, OPTIONAL (39 S.F.)	EA	1	

ITEM NO.	DESCRIPTION	UNIT	TOTAL CONTRACT PROPOSAL	FINAL
470X7	GUIDE SIGN, OPTIONAL (32 S.F.)	EA	1	
470X8	GUIDE SIGN, OPTIONAL (50 S.F.)	EA	1	
470X9	GUIDE SIGN, OPTIONAL (23 S.F.)	EA	1	
470X10	GUIDE SIGN, OPTIONAL (91 S.F.)	EA	1	
470X11	GUIDE SIGN, OPTIONAL (69 S.F.)	EA	1	
470X12	GUIDE SIGN, OPTIONAL (179 S.F.)	EA	1	
470X13	GUIDE SIGN, OPTIONAL (170 S.F.)	EA	1	
470X14	GUIDE SIGN, OPTIONAL (124 S.F.)	EA	1	
470X15	GUIDE SIGN, OPTIONAL (270 S.F.)	EA	1	
470X16	GUIDE SIGN, OPTIONAL (30 S.F.)	EA	1	
470X17	GUIDE SIGN, OPTIONAL (120 S.F.)	EA	1	
470X18	GUIDE SIGN, OPTIONAL (11 S.F.)	EA	1	
470X19	GUIDE SIGN, OPTIONAL (12 S.F.)	EA	2	
470X20	GUIDE SIGN, OPTIONAL (14 S.F.)	EA	1	
470X21	GUIDE SIGN, OPTIONAL (40 S.F.)	EA	1	
470X22	GUIDE SIGN, OPTIONAL (173 S.F.)	EA	1	
470X23	GUIDE SIGN, OPTIONAL (148 S.F.)	EA	1	
470X24	GUIDE SIGN, OPTIONAL (186 S.F.)	EA	1	
470X25	GUIDE SIGN, OPTIONAL (140 S.F.)	EA	1	
471A1A	OVERHEAD PANEL-ALUMINUM (192 S.F.)	EA	1	
471A2A	OVERHEAD PANEL-ALUMINUM (157 S.F.)	EA	1	
471A3A	OVERHEAD PANEL-ALUMINUM (150 S.F.)	EA	1	
471A4A	OVERHEAD PANEL-ALUMINUM (120 S.F.)	EA	1	
471A5A	OVERHEAD PANEL-ALUMINUM (179 S.F.)	EA	1	
471A6A	OVERHEAD PANEL-ALUMINUM (179 S.F.)	EA	1	
471A7A	OVERHEAD PANEL-ALUMINUM (194 S.F.)	EA	1	
471A8A	OVERHEAD PANEL-ALUMINUM (125 S.F.)	EA	1	
471A1B	OVERHEAD PANEL-ALUMINUM (140 S.F.)	EA	1	
471A2B	OVERHEAD PANEL-ALUMINUM (186 S.F.)	EA	1	
471A3B	OVERHEAD PANEL-ALUMINUM (125 S.F.)	EA	1	
471A5B	OVERHEAD PANEL-ALUMINUM (204 S.F.)	EA	1	
471A6B	OVERHEAD PANEL-ALUMINUM (148 S.F.)	EA	1	
471A7B	OVERHEAD PANEL-ALUMINUM (32 S.F.)	EA	1	
471A5C	OVERHEAD PANEL-ALUMINUM (32 S.F.)	EA	1	
471A6C	OVERHEAD PANEL-ALUMINUM (32 S.F.)	EA	1	
472X1	SECONDARY PANEL-OPTIONAL (32 S.F.)	EA	1	
472X2	SECONDARY PANEL-OPTIONAL (43 S.F.)	EA	2	
472X3	SECONDARY PANEL-OPTIONAL (38 S.F.)	EA	2	
473-2	TRAFFIC SIGN	EA	8	
473-11	TRAFFIC SIGN	EA	2	
473-51	TRAFFIC SIGN	EA	3	
473-31	TRAFFIC SIGN	EA	15	

ITEM NO.	DESCRIPTION	UNIT	TOTAL CONTRACT PROPOSAL	FINAL
473-41	TRAFFIC SIGN	EA	5	
473-42	TRAFFIC SIGN	EA	1	
473-43	TRAFFIC SIGN	EA	7	
473-43X	TRAFFIC SIGN	EA	8	
473-44	TRAFFIC SIGN	EA	11	
473-44X	TRAFFIC SIGN	EA	8	
473-54X	TRAFFIC SIGN	EA	2	
473-56	TRAFFIC SIGN	EA	2	
473-56X	TRAFFIC SIGN	EA	2	
473-58	TRAFFIC SIGN	EA	5	
473-58X	TRAFFIC SIGN	EA	2	
473-74X	TRAFFIC SIGN	EA	2	
473-9A	TRAFFIC SIGN	EA	4	
473-1B	TRAFFIC SIGN	EA	6	
473-9B	TRAFFIC SIGN	EA	2	
473-3C	TRAFFIC SIGN	EA	2	
473-10C	TRAFFIC SIGN	EA	2	
473-12C	TRAFFIC SIGN	EA	9	
473-4D	TRAFFIC SIGN	EA	5	
473-3E	TRAFFIC SIGN	EA	1	
473-10E	TRAFFIC SIGN	EA	6	
473-73	TRAFFIC SIGN	EA	1	
473-74X	TRAFFIC SIGN	EA	1	
473-75V	TRAFFIC SIGN	EA	1	
473-75VX	TRAFFIC SIGN	EA	3	
473-130	TRAFFIC SIGN	EA	3	
473-5B	TRAFFIC SIGN	EA	5	
473T51	TRAFFIC SIGN	EA	6	
473T12C	TRAFFIC SIGN	EA	1	
473T52	TRAFFIC SIGN	EA	3	
473T13X	TRAFFIC SIGN	EA	1	
474-1	SINGLE CANTILEVER SIGN STRUCTURE	EA	1	
474-2	SINGLE CANTILEVER SIGN STRUCTURE	EA	1	
476-1	SINGLE SPAN SIGN STRUCTURE	EA	1	
476-2	SINGLE SPAN SIGN STRUCTURE	EA	1	
476-3	SINGLE SPAN SIGN STRUCTURE	EA	1	
476-4	SINGLE SPAN SIGN STRUCTURE	EA	1	
476-5	SINGLE SPAN SIGN STRUCTURE	EA	1	
476-6	SINGLE SPAN SIGN STRUCTURE	EA	1	
477A	SLIP-IMPACT BASE & HINGE ASSEMBLY (POST TYPE 8)	EA	20	
477B	SLIP-IMPACT BASE & HINGE ASSEMBLY (POST TYPE 9)	EA	2	
477C	SLIP-IMPACT BASE & HINGE ASSEMBLY (POST TYPE 10)	EA	2	
477D	SLIP-IMPACT BASE & HINGE ASSEMBLY (POST TYPE 11)	EA	12	
450B	REMOVING & STORING SIGNS	EA	3	
500-6	FURNISH AND INSTALL 6" DIA. CAST IRON WATER PIPE	L.F.	35	
500-10	FURNISH AND INSTALL 10" DIA. CAST IRON WATER PIPE	L.F.	175	
500-12	FURNISH AND INSTALL 12" DIA. CAST IRON WATER PIPE	L.F.	120	

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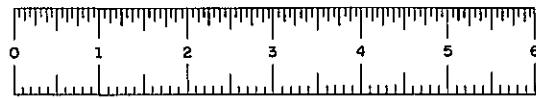
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1	N.Y.		168	257
RELOCATION ROUTE 57				
EUCLID - NORTH SYRACUSE, S.H.				
AS BUILT				

SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	TOTAL CONTRACT PROPOSAL	FINAL	ITEM NO.	DESCRIPTION	UNIT	FINAL
500136	FURNISH AND INSTALL PRESTRESSED CONC. WATER PIPE, 36" DIA.	L.F.	1,153	18,166.5	2031LBX	WIRE LOOP FOR IND LOOP VEH DET, OVER 40' P	EA	4
501-6	FURNISH AND INSTALL VALVE ASSEMBLY, 6" DIAM.	EA	1	1	2015	CABLE, 2 CONDUCTOR #14 SHIELDED	LF	6769
501-10	FURNISH AND INSTALL VALVE ASSEMBLY, 10" DIAM.	EA	3	4	204-194	CABLE, 19 CONDUCTOR #14	LF	220
50136	FURNISH AND INSTALL VALVE ASSEMBLY, 36" DIAM.	EA	2	2	206-38	STEEL SIGNAL POLE, 38' LONG	EA	4
502	ALTERING WATER VALVE BOXES OR SIMILAR STRUCTURES	EA	35	14	470X26	GUIDE SIGN POST 35 SF	EA	1
503	RE-ESTABLISHING WATER SERVICE CONNECTIONS (COMPLETE)	EA	1	16	471A1	TRAFFIC SIGN	EA	1
504	RELOCATING HYDRANT ASSEMBLIES COMPLETE	EA	2	5	471A2	TRAFFIC SIGN	EA	1
507	CUTTING OFF DISCONTINUED WATER SERVICE LATERALS	EA	7	2	471A3	TRAFFIC SIGN	EA	1
508-10	FURNISH AND INSTALL 10" TAPPING SLEEVE AND VALVE	EA	1	3	499C5	SIGN MAST ARM POLE ASSB.	EA	1
516-24	FURNISH AND INSTALL STEEL WATER MAIN CASING, 24" DIAM. O.D.	L.F.	184	184				
516X44	FURNISH AND INSTALL FORCE MAIN CASING, 44" DIAM. O.D.	L.F.	218	218				
522-24	FURNISH AND INSTALL 24" ASBESTOS-CEMENT PRESSURE PIPE, CLASS 2M	L.F.	461	1484.6				
551	FURNISH AND INSTALL AIR VALVE MANHOLE COMPLETE	EA	1	1				
553	FURNISH AND INSTALL METER PIT MANHOLE COMPLETE (CLASS A)	EA	1	1				
664LD	LINSEED OIL PROTECTIVE COATING FOR CONCRETE	GSY	468					
94C8	ASBESTOS CEMENT PIPE, 8" DIA. (CLASS 2400)	L.F.	72	73.5				
11N48	NESTABLE CORR. METAL PIPE, 10 GAUGE, 48" DIAM.	L.F.	48	48				
102CR2	MANHOLES	L.F.	13	15.17				
422-4	4" GALV. STEEL CONDUIT	L.F.	280	275.2				
14HR12	REINF. CONCRETE PRESSURE PIPE, CLASS III P	L.F.	450	433				
33DD8	GUIDE RAIL	EA	4	6				
33DMA	ANCHORAGE UNITS FOR CORR. BEAM TYPE MALL BARRIER	EA						
25G-B	SELECT SUBGRADE, GRANULAR MATERIAL	C.Y.	87,200	108,953.7				
1NBSR	CLEARING & GRUBBING (NO BURNING PERMITTED)	L.S.		100%				
64CS	AIR COND. FOR ENG. OFFICE	L.S.		100%				
18MAW	WINTER PROT. FOR FOUling CONC.	L.S.		100%				
18MAX	CLASS A CONC. FOR STRUCT. CURING COMP.	S.F.		19,939.6				
33MUX	BOX BEAM MEDIAN BARRIERS (SHOP CURVED)	LF		1025.7				
51MR	ASPHALT CONCRETE	TON		287.5				
51MZ	ASPHALT CONCRETE TOP COURSE	TON		14288.5				
51TLR	ASPHALT CONCRETE, TRUING & LEVELING	TON		6.10				
70M	BIT MATERIAL A EMULSION	GAL		354,675				
76XR	SUPP. MAINT. & PROT. OF TRAFFIC	L.S.		100%				
975	ASPHALT CONCRETE CURB	L.F.		280				
106X4	REMOVE EXISTING 4' FENCE	L.F.		3924				
120D52	DISPOSAL OF BUILDINGS	L.S.		100%				
2005B	8 PHASE FULL TRAFFIC ACT. SOLID STATE CONT.	EA		1				
200CDR	CALLING DETECTOR RELAY UNIT	EA		5				
202AR	RELOC. EXIST. TRAFFIC SIGNAL HEAD	L.S.		100%				
202RAC	TRAFFIC SIGNAL HEAD, 4 WAY FACE APC	EA		1				
202CC	TRAFFIC SIGNAL HEAD, 2 WAY FACE CC	EA		2				
2031DX	INDUCTANCE LOOP VEHICLE DETECTOR	EA		15				
2031LX	WIRE LOOP FOR IND LOOP VEH DETE. 20-40' P	EA		19				

Made by: J. O. Shuman
 Checked by: G. DeLoach
 Traced by: E. Sullivan
 Checked by: G. DeLoach

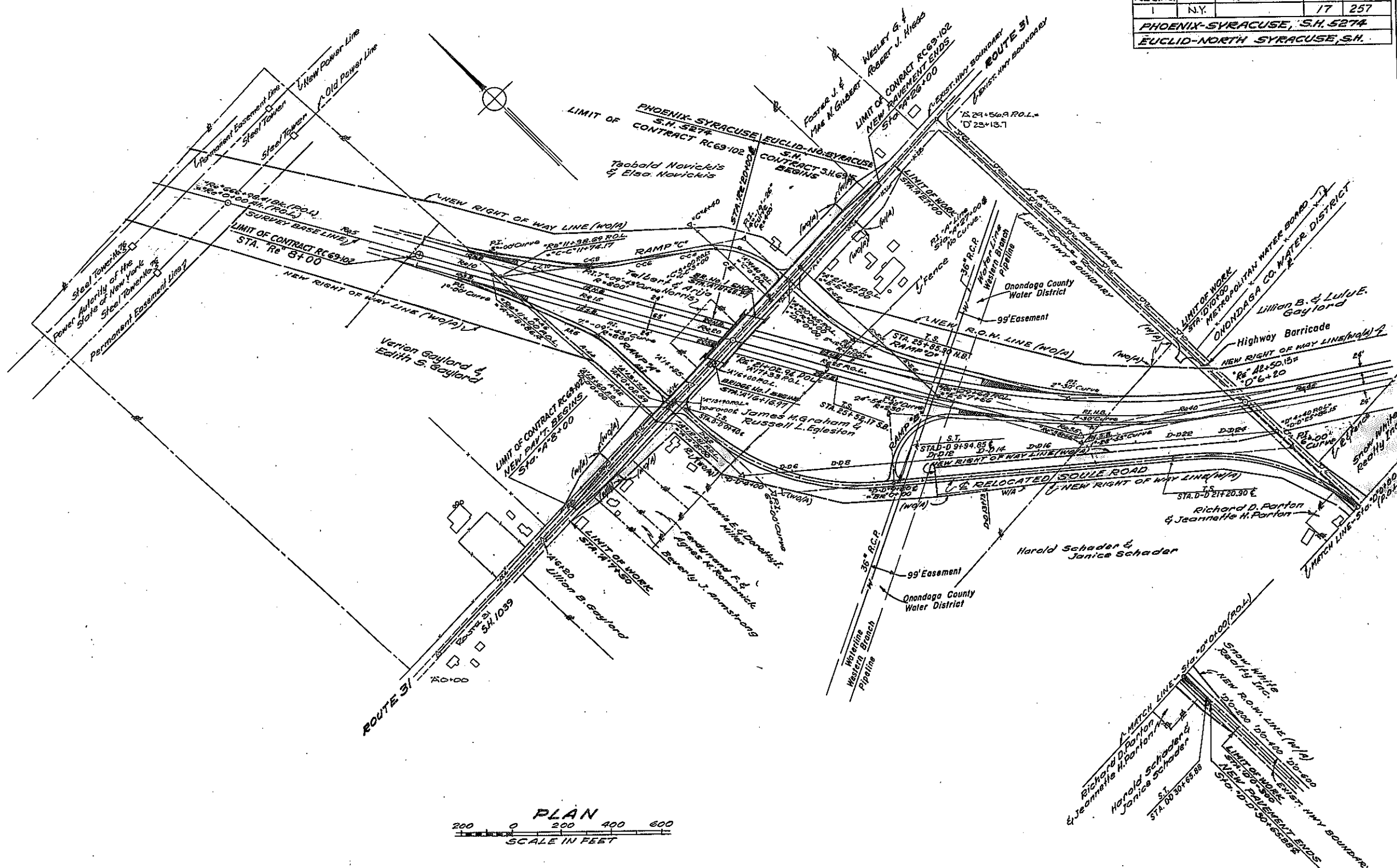
As built revisions: Final Quantities



SH 69-5 RC 69-102

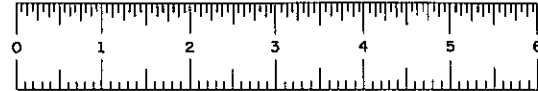
FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT No.	SHEET No.	TOTAL SHEETS
1	N.Y.		17	257

PHOENIX-SYRACUSE, S.H. 5274
EUCLID-NORTH SYRACUSE, S.H.

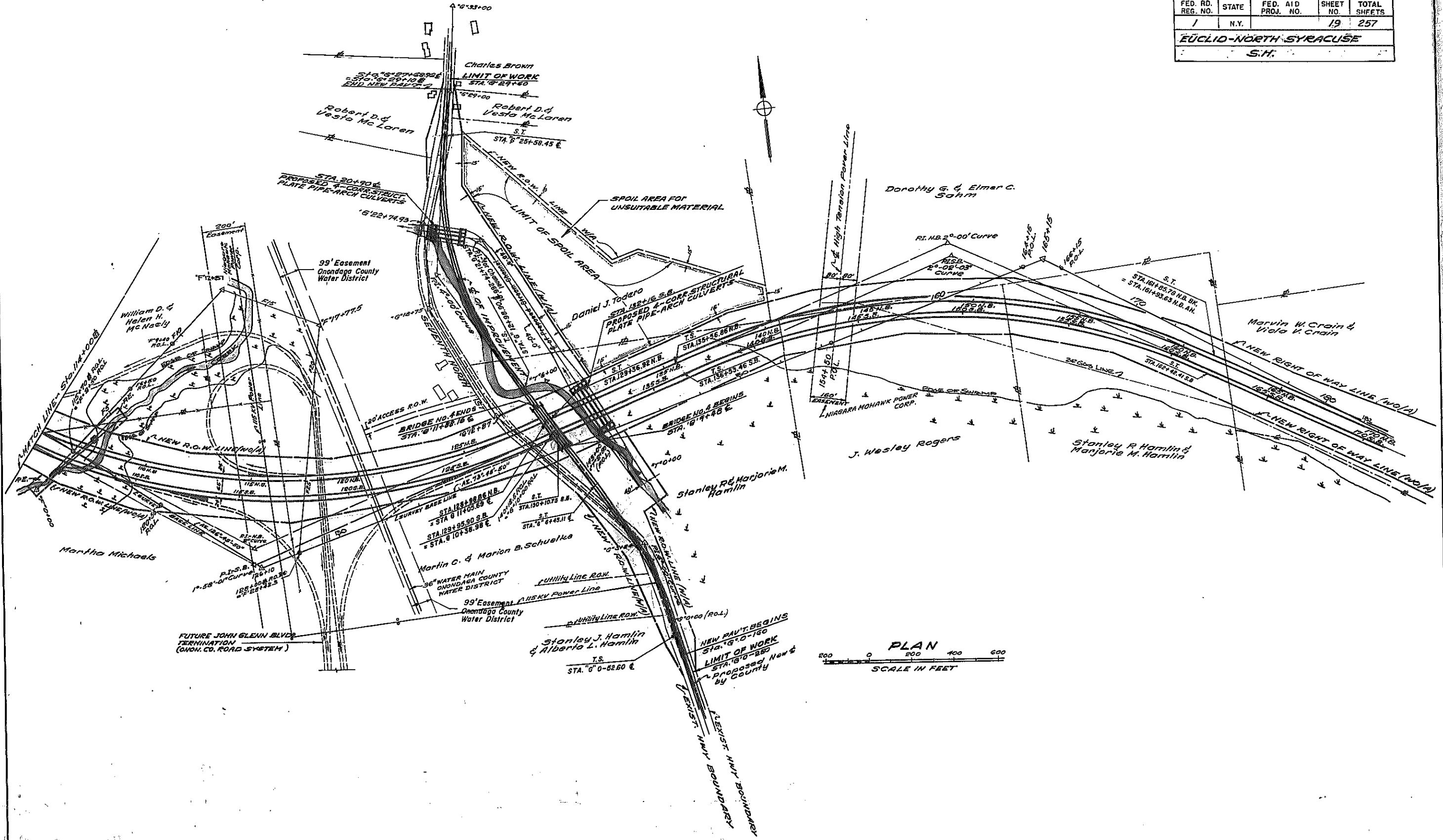


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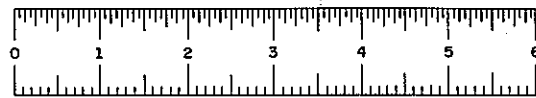
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FED. RD. REG. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		19	257
EUCLID-NORTH SYRACUSE				
S.H.				



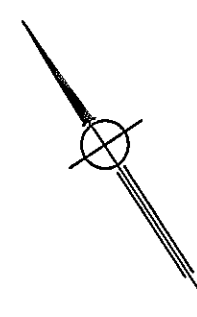
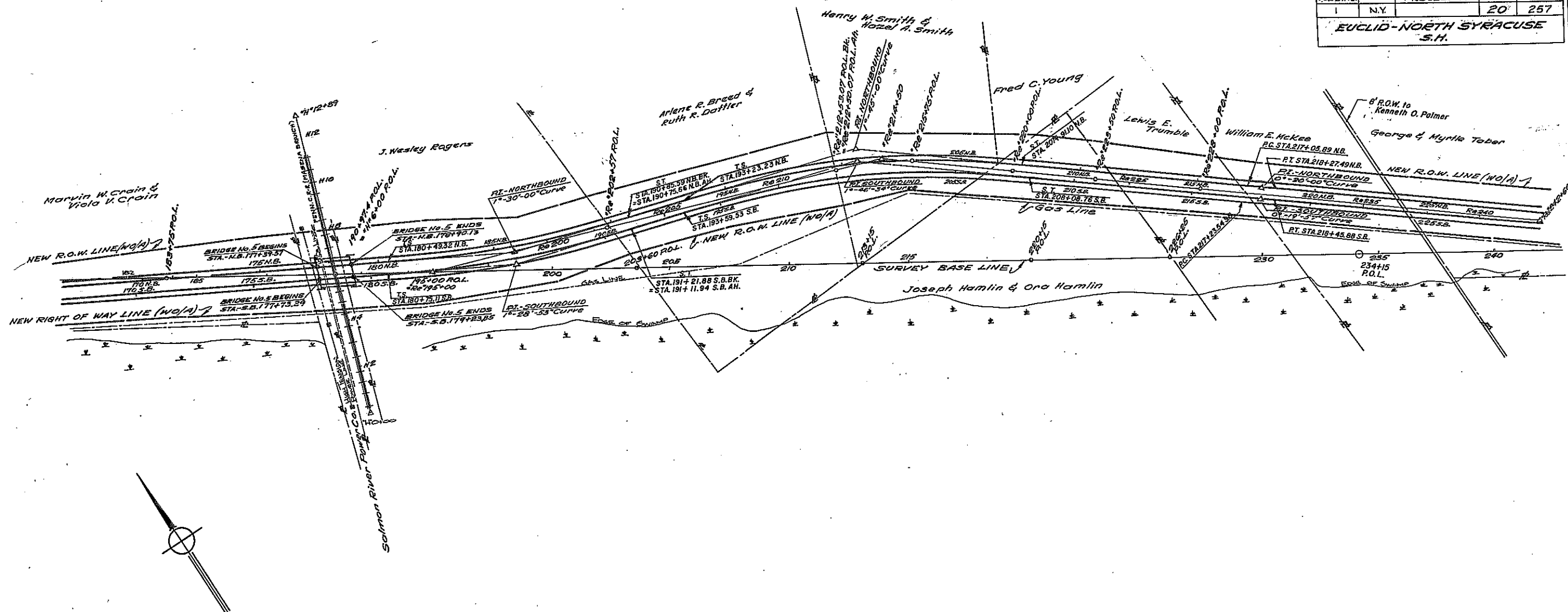
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SH 69-5 RC 69-102

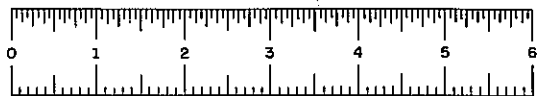
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1	N.Y.		20	257

EUCLID-NORTH SYRACUSE S.H.



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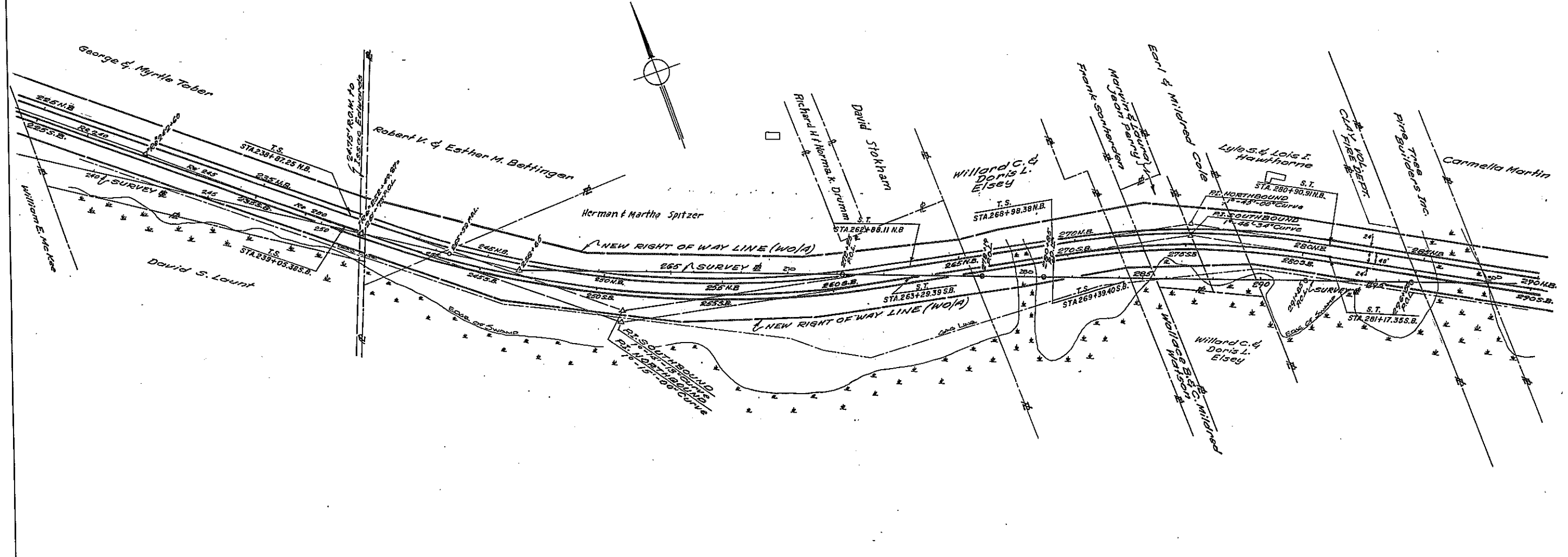
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SH 69-5 RC 69-102

FED RD REG. NO.	STATE	FEDERAL AID PROJECT No.	SHEET No.	TOTAL SHEETS
1	N.Y.		21	257

EUCLID - NORTH SYRACUSE
S.H.



PLAN
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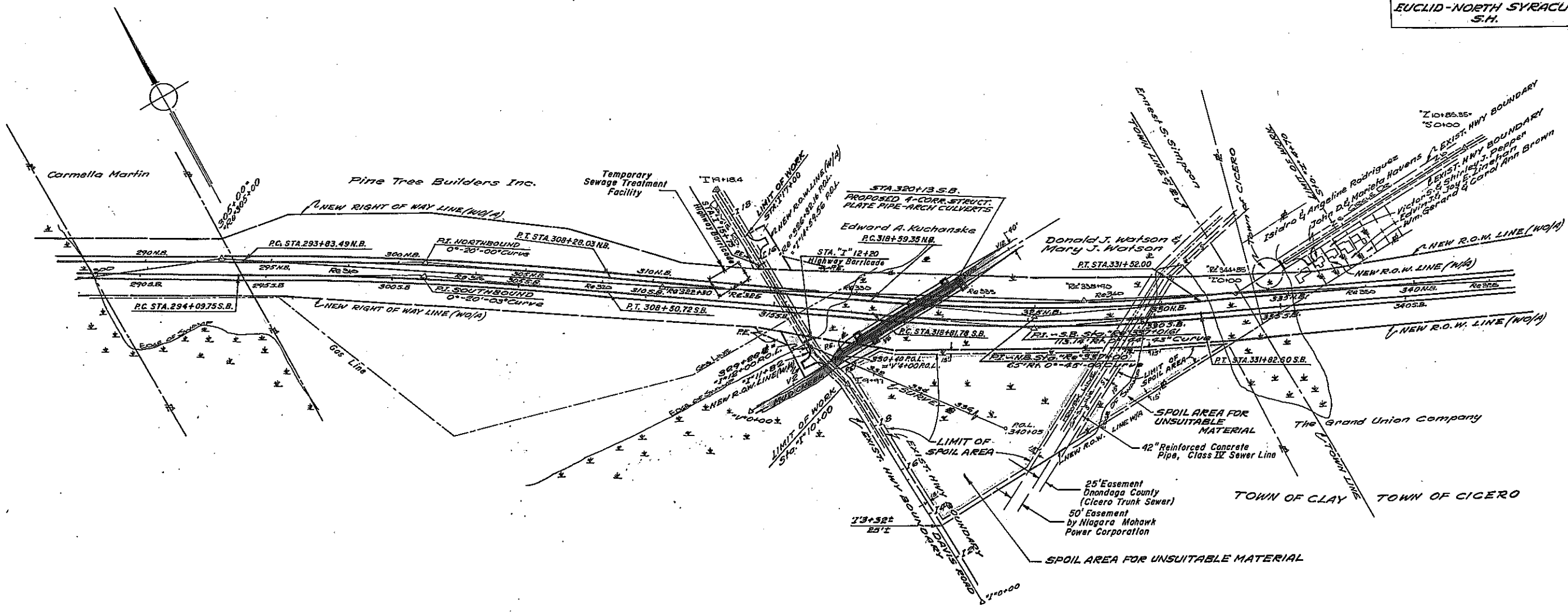
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SH 69-5 RC 69-102

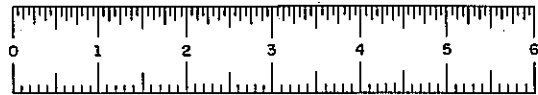
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1	N.Y.		22	257

EUCLID-NORTH SYRACUSE S.H.



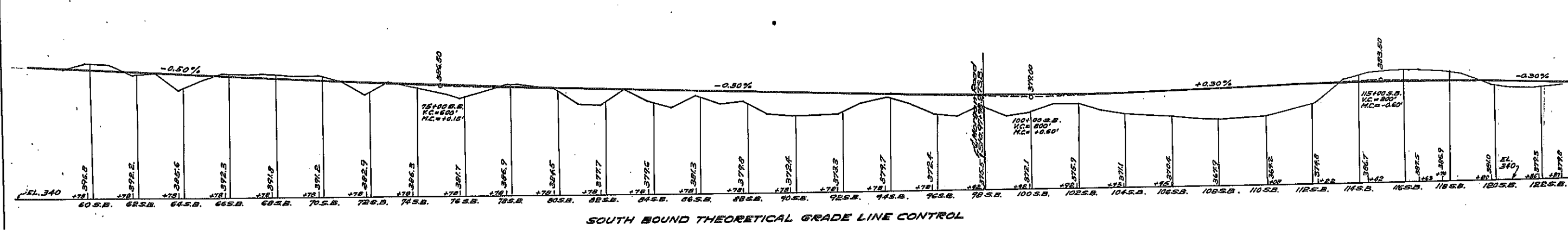
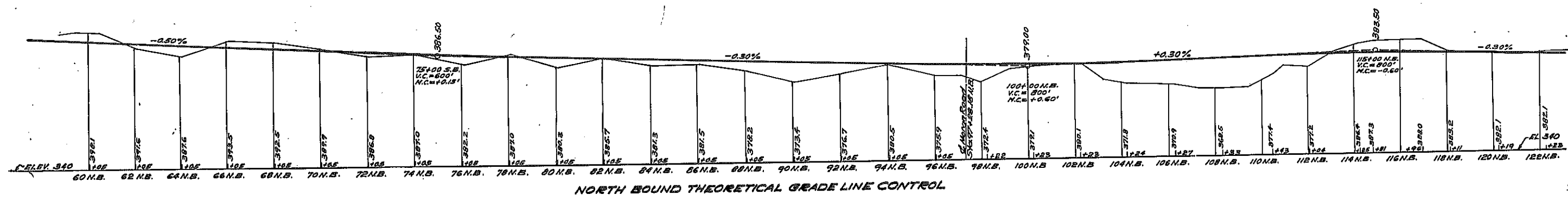
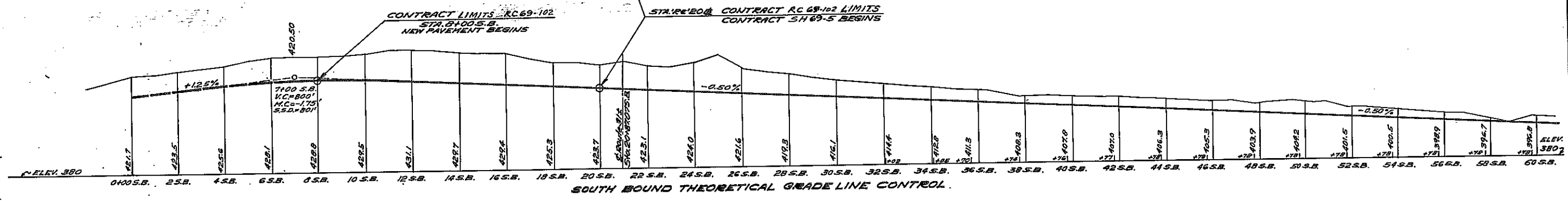
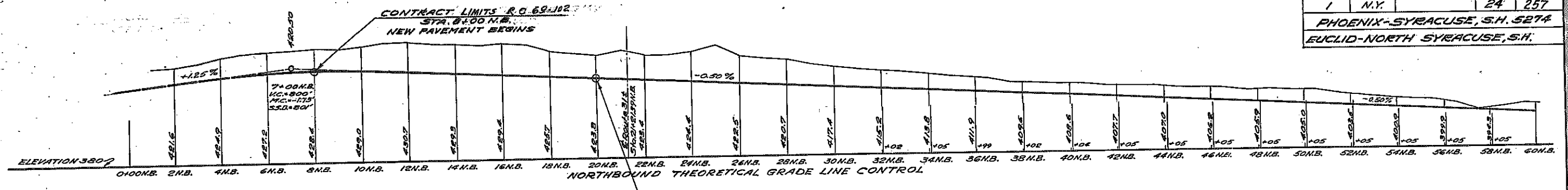
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Made by John C. Schaeffer Checked by W. J. Lamm Traced by A. BELTE Checked by W. J. Lamm



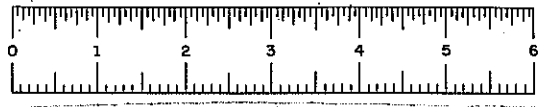
SH 69-5 RC 69-102

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		24	257
PHOENIX-SYRACUSE, S.H. 5274				
EUCLID-NORTH SYRACUSE, S.H.				



SCALE OF PROFILES:
HORIZONTAL: 1" = 200'
VERTICAL: 1" = 20'

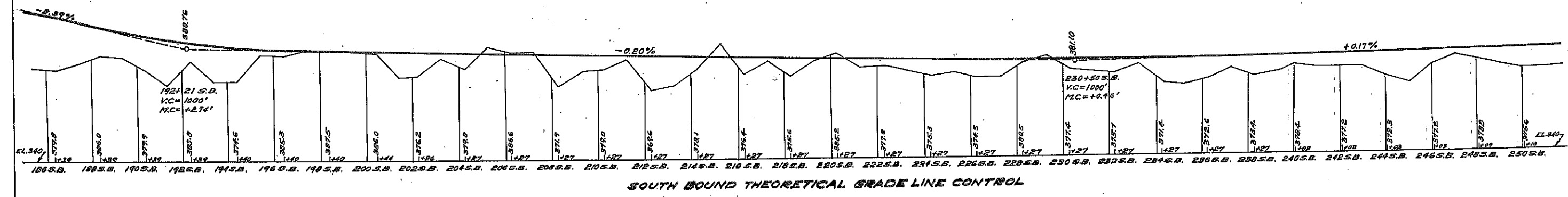
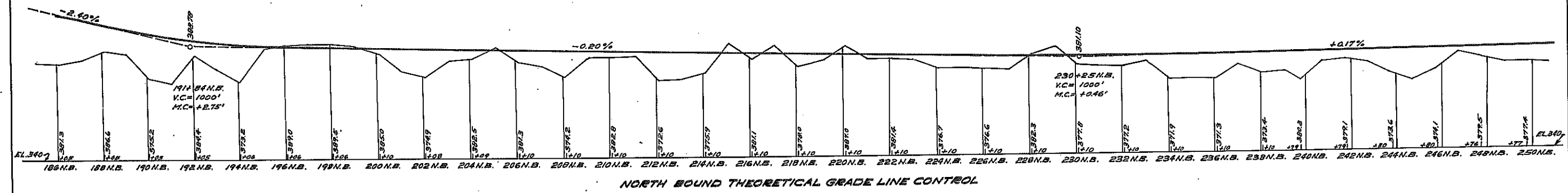
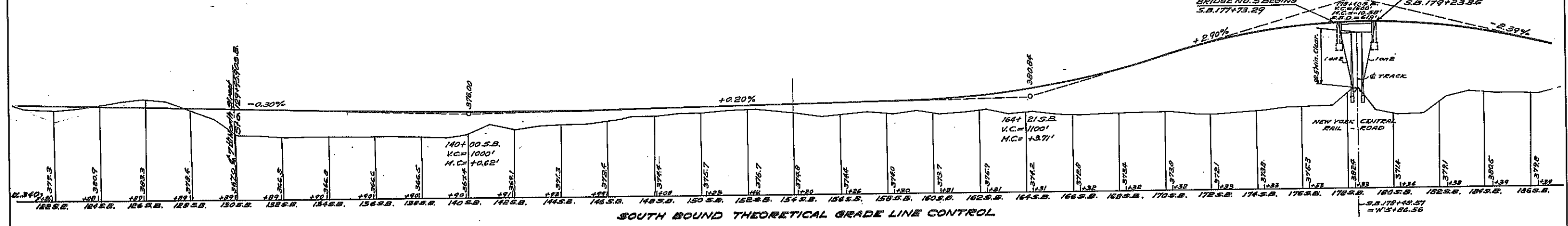
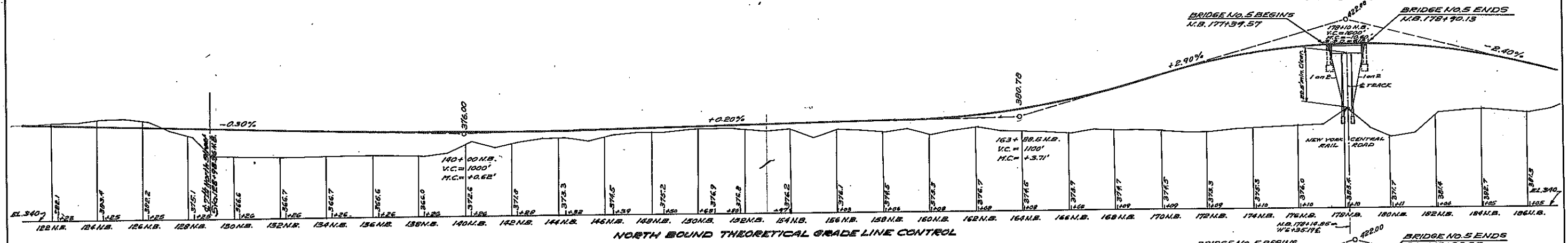
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SH 69-5 RC 69-102

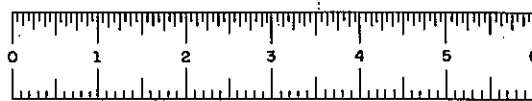
FED. RD. DIST. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		25	257

EUCLID-NORTH SYRACUSE, S.H.



MADE BY: *John P. Skannan*
 CHECKED BY: *W. J. [unclear]*
 TRACED BY: *L. Kaulitz*
 CHECKED BY: *R. [unclear]*

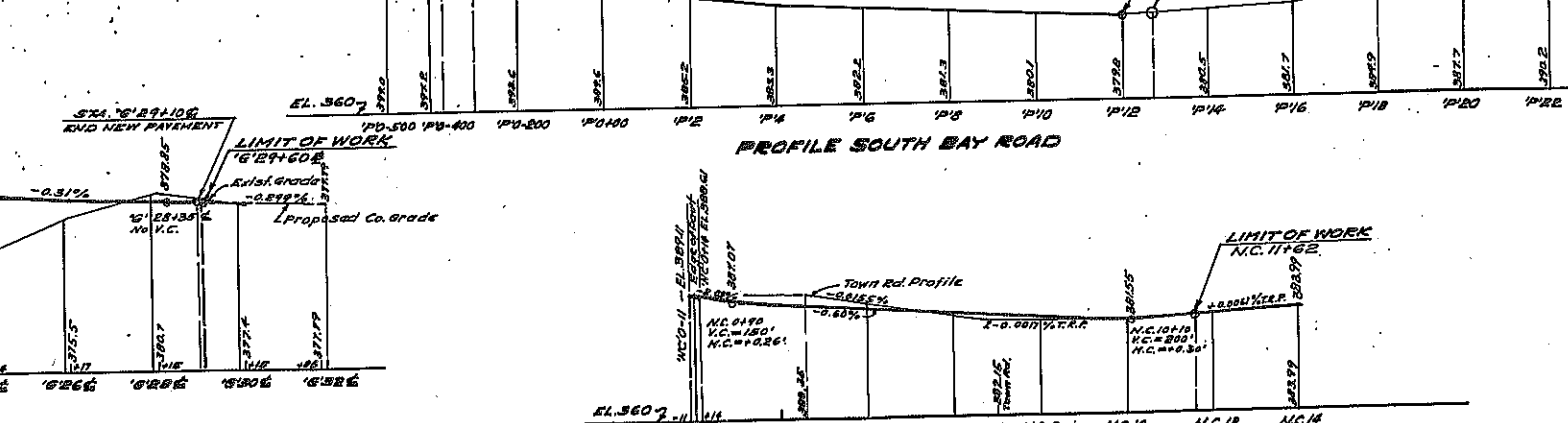
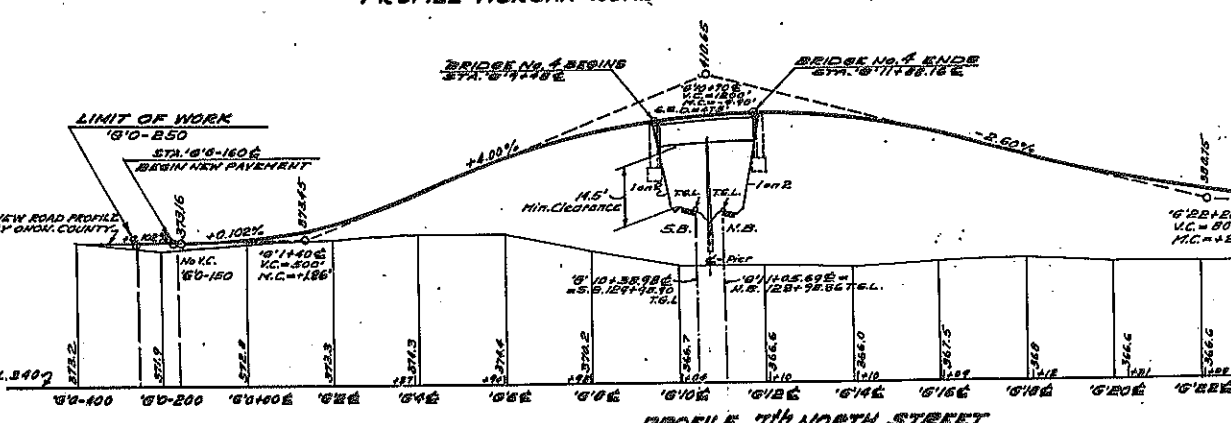
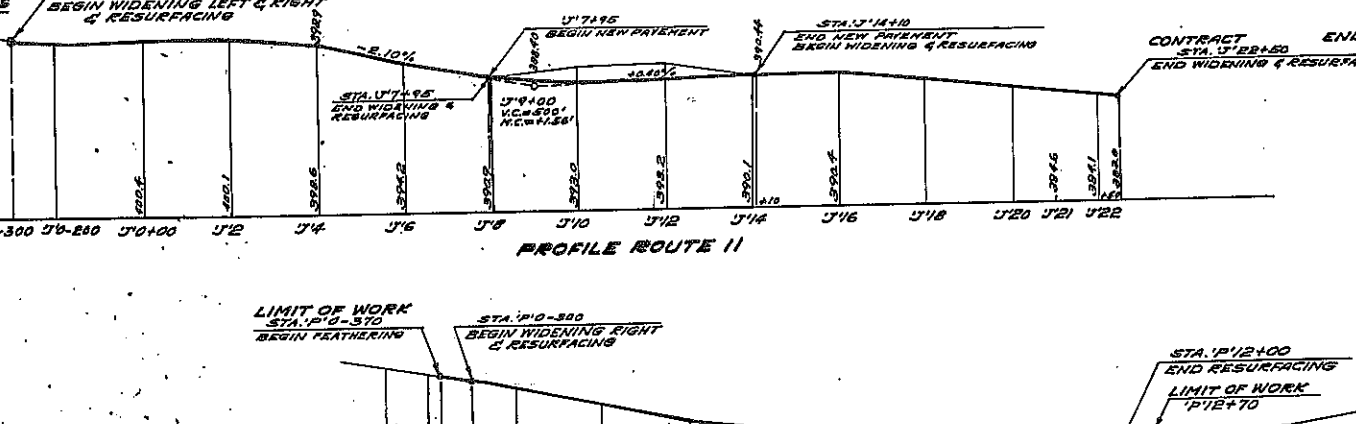
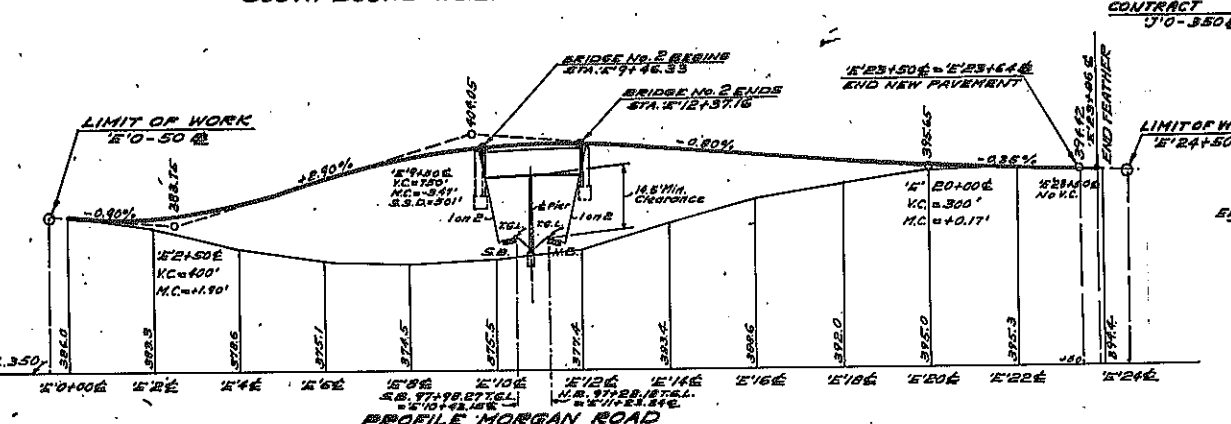
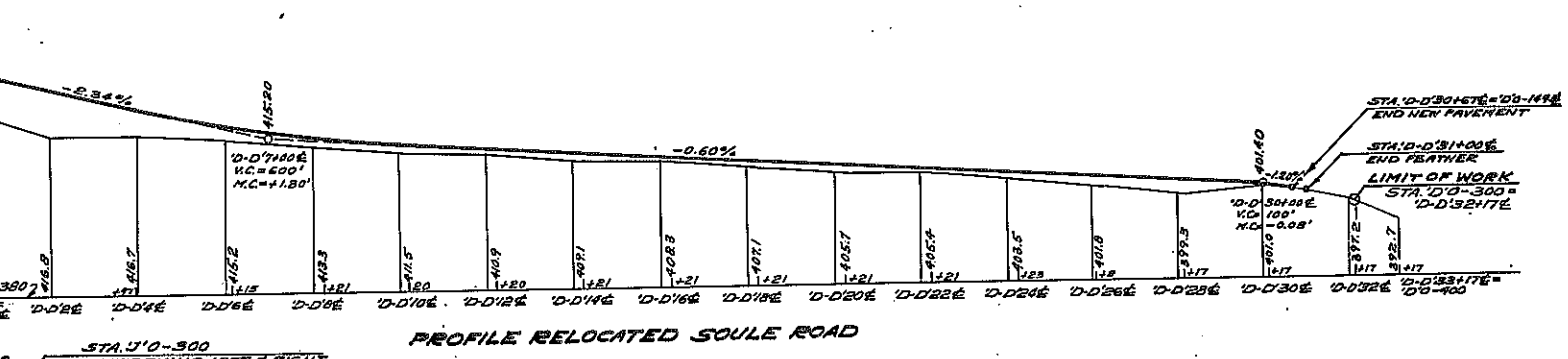
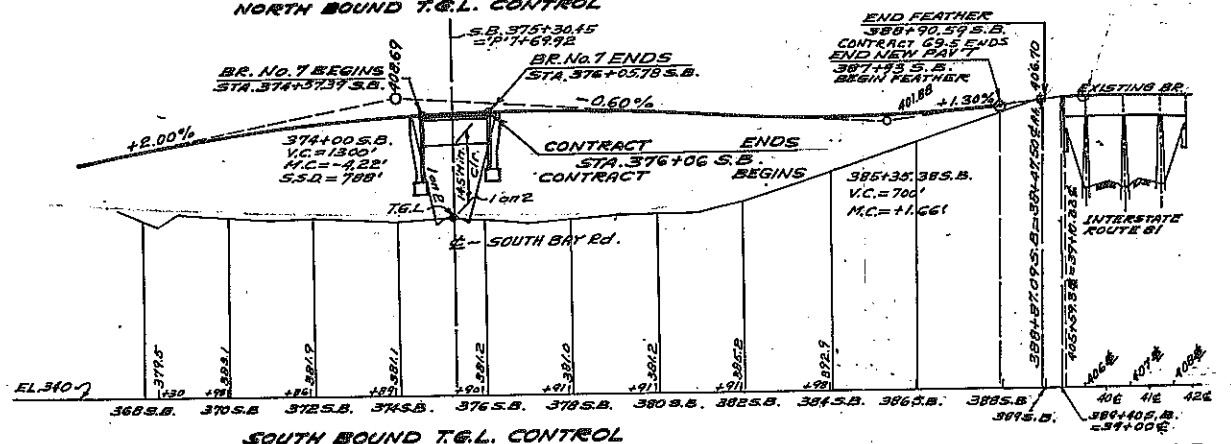
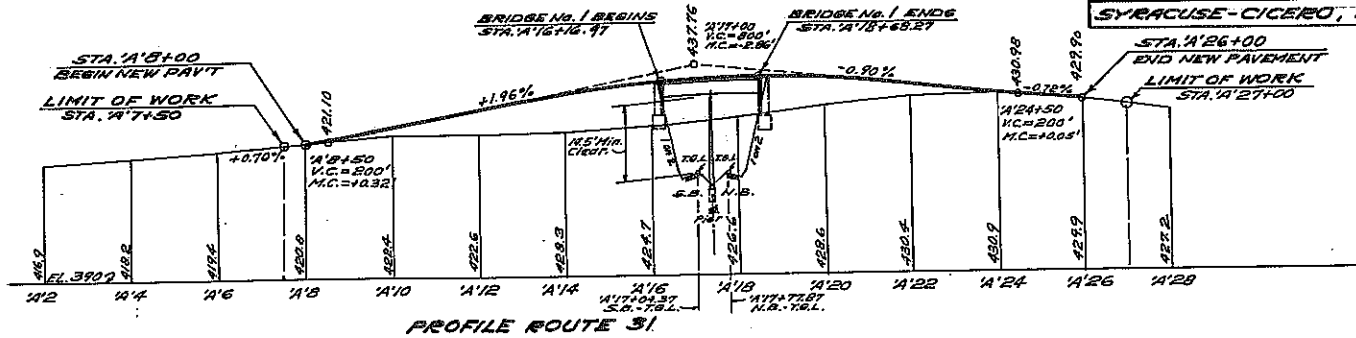
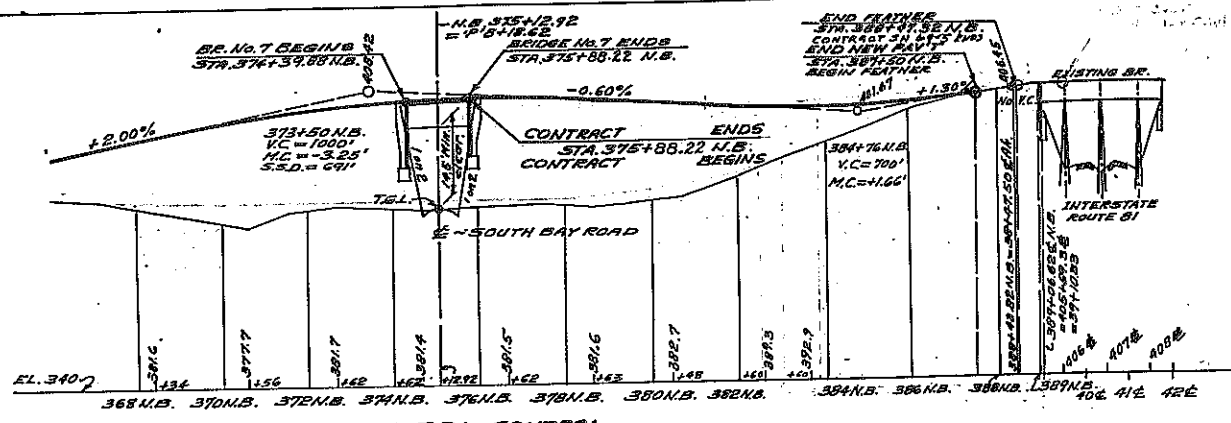
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 VERTICAL: 1" = 20'



SH 69-5 RC 69-102

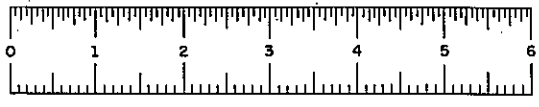
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1	N.Y.		27	257

EUCLID-NORTH SYRACUSE, S.H.
MATTYDALE-BREWERTON, S.H. 57-6-6
SYRACUSE-CICERO, S.H. 54-70

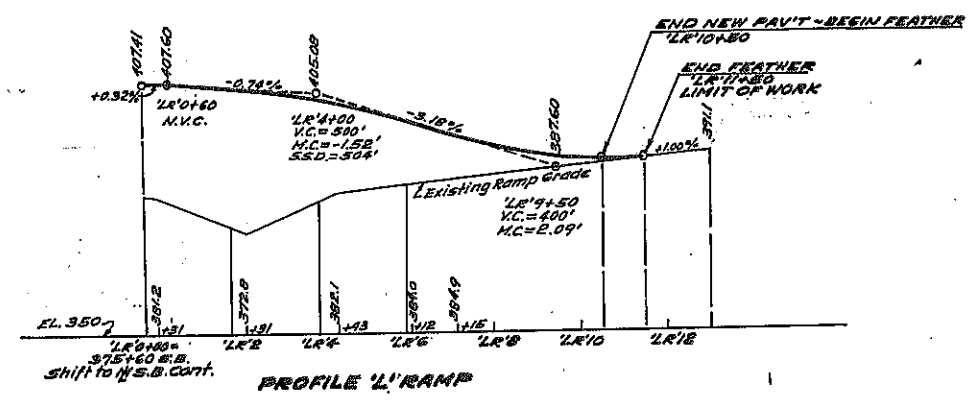
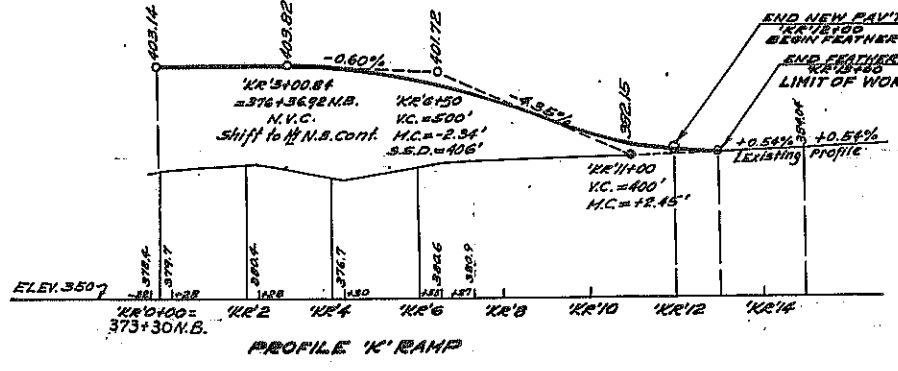
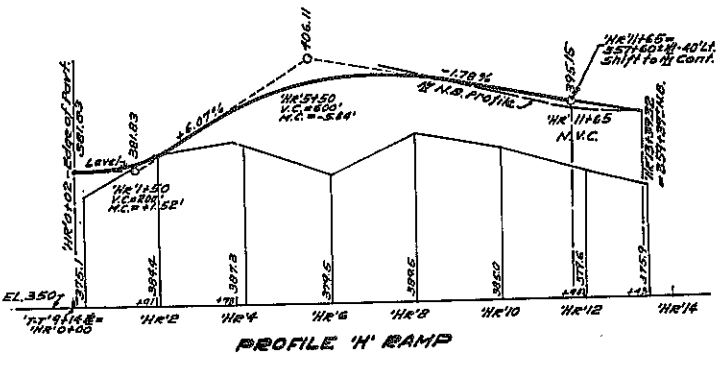
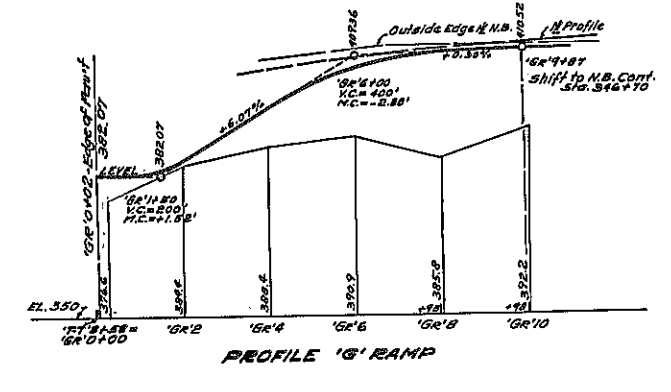
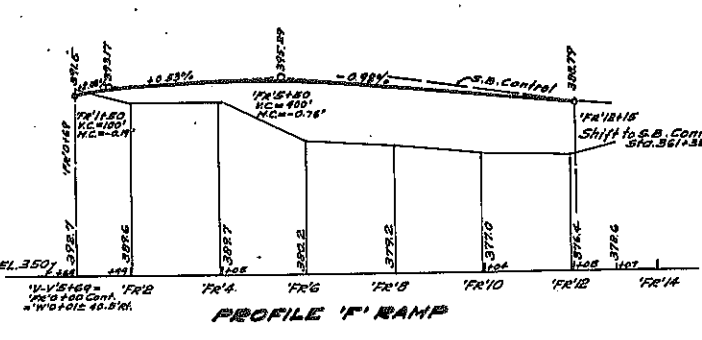
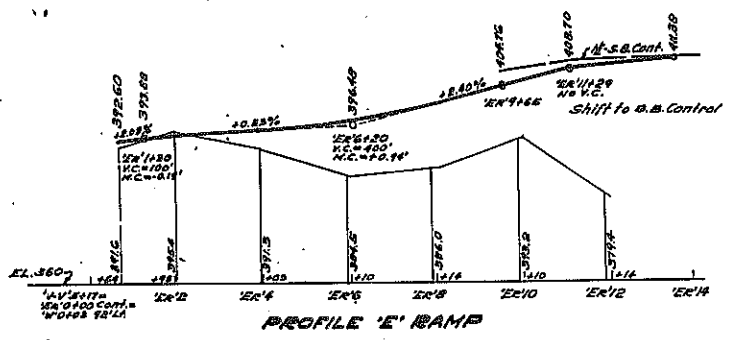
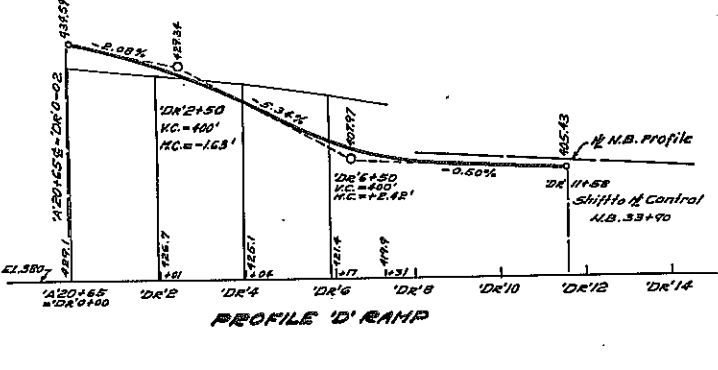
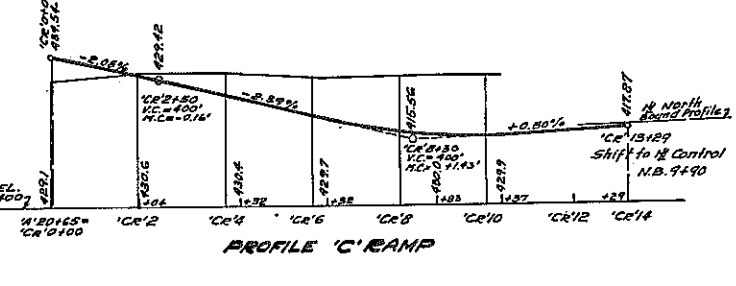
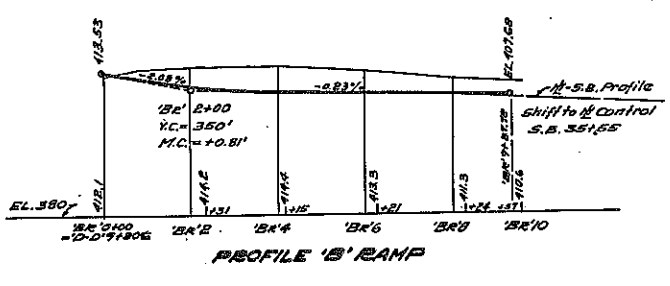
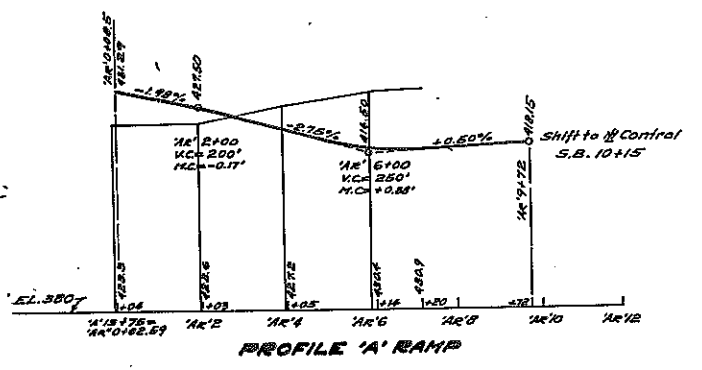
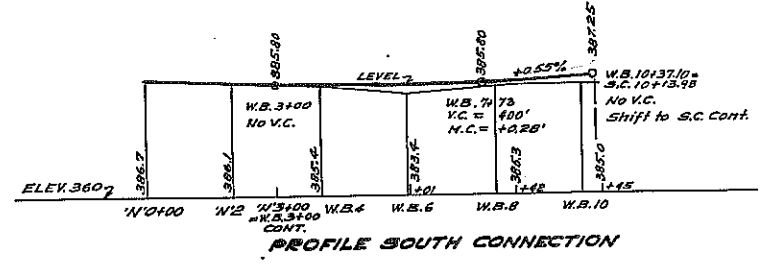
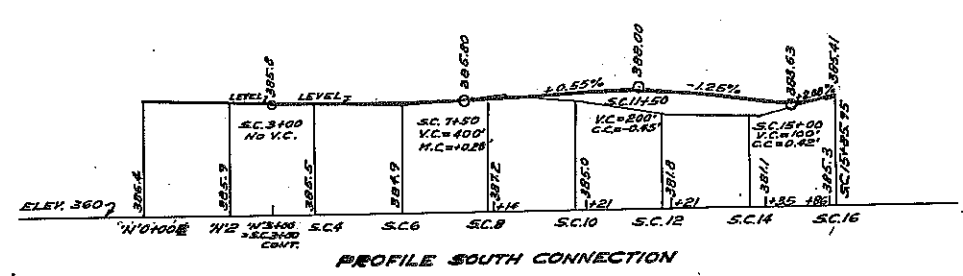


MADE BY: R. Hordman
CHECKED BY: J. H. Hannon
TRACED BY: J. S. Kuehler
CHECKED BY: R. Hordman

SCALE OF PROFILES
HORIZONTAL: 1" = 200'
VERTICAL: 1" = 20'

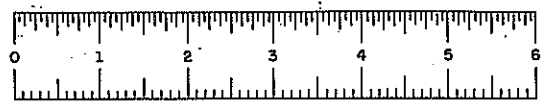


FED. RD. DIST. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		28	257
PHOENIX-SYRACUSE, S.H. 5274				
EUCLID-NORTH SYRACUSE, S.H.				
MATYDALE-BREWERTON, S.H. 5746				



MADE BY: *L. Henderson* CHECKED BY: *E. J. Cannon* TRACED BY: *E. J. Cannon* CHECKED BY: *L. Henderson*

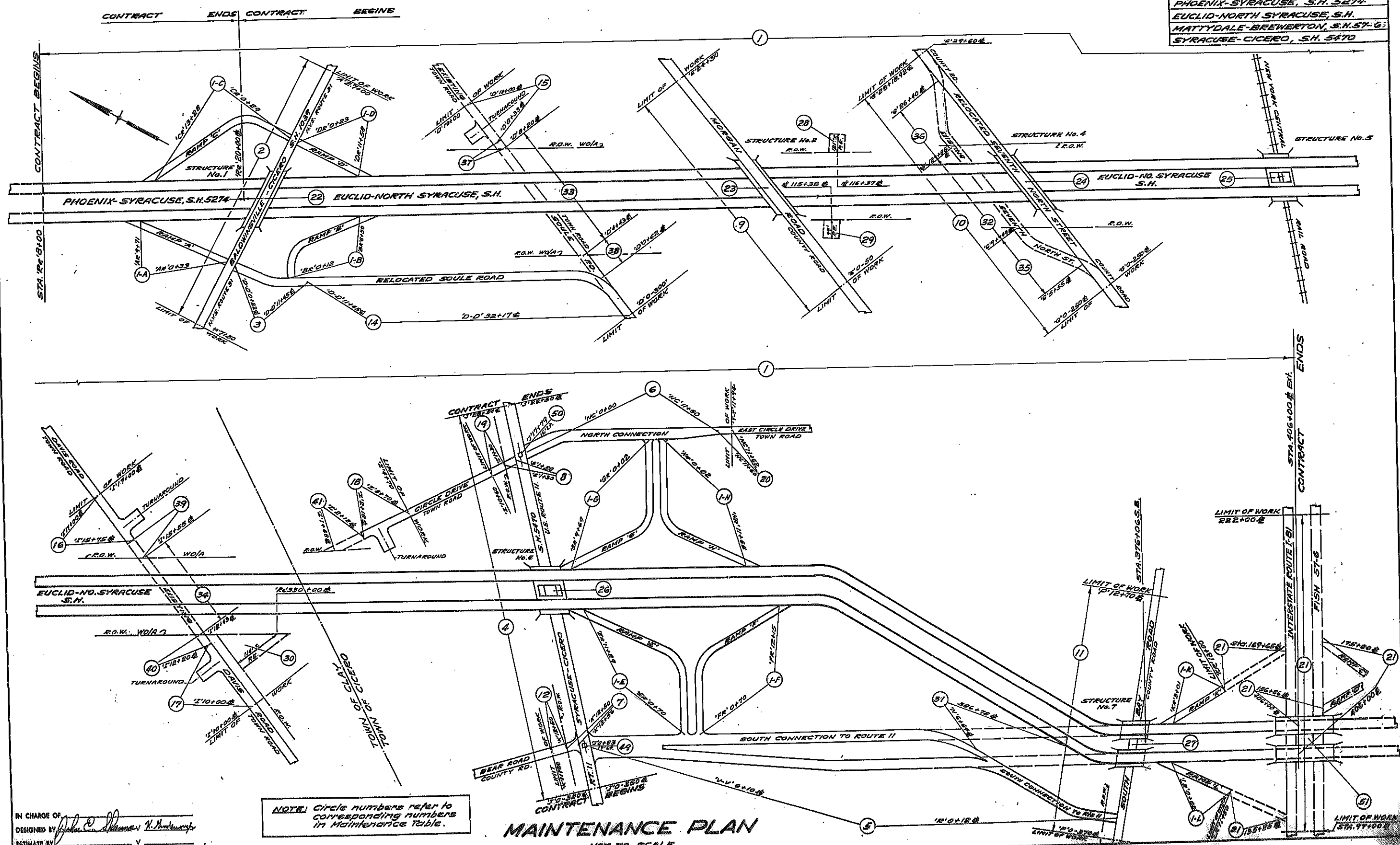
SCALE OF PROFILES
 HORIZONTAL: 1" = 200'
 VERTICAL: 1" = 20'



SH 69-5 RC 69-102

FED. ROAD REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		29	257

PHOENIX-SYRACUSE, S.H. 5274
 EUCLID-NORTH SYRACUSE, S.H.
 MATTYDALE-BREWERTON, S.H. 57-6
 SYRACUSE-CICERO, S.H. 5470



NOTE: Circle numbers refer to corresponding numbers in Maintenance Table.

MAINTENANCE PLAN
 NOT TO SCALE

IN CHARGE OF
 DESIGNED BY
 ESTIMATE BY



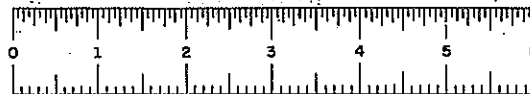
FED. ROAD REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N. Y.		30	257
PHOENIX-SYRACUSE, S.H. 5274				
EUCLID-NORTH SYRACUSE, S.H.				
SYRACUSE-CICERO, S.H. 5470				

TABLE OF MAINTENANCE

PART No.	HIGHWAY	LIMITS	FEATURES TO BE MAINTAINED	MILES	AGENCY	AUTHORITY FOR MAINTENANCE JURISDICTION	PART No.	HIGHWAY	LIMITS	FEATURES TO BE MAINTAINED	MILES	AGENCY	AUTHORITY FOR MAINTENANCE JURISDICTION
RELOCATED ROUTE 57 AND RAMP													
1	RELOCATED ROUTE 57	STA. 16+00 to STA. 406+00	Pavement, Shoulders, Drainage System & Landscaping	2.237	STATE	sect. 12, Highway Law	28	CHANNEL STREAM	STA. 116+37 to left of & from R.O.W. Line 121' Left	Stream Channel and Banks within R.O.W. and P.E. Taking Lines	0.066	STATE	sect. 12, Highway Law
1-A	RAMP 'A'	STA. 16+00+33 - 16+9+71	Pavement, Shoulders, Drainage System & Landscaping	0.178	STATE	sect. 12, Highway Law	29	CHANNEL STREAM	STA. 115+38 to right of & from R.O.W. Line 99' Right	Stream Channel and Banks within R.O.W. and P.E. Taking Lines	0.066	STATE	sect. 12, Highway Law
1-B	RAMP 'B'	STA. 16+0+12 - 16+6+38	Pavement, Shoulders, Drainage System & Landscaping	0.118	STATE	sect. 12, Highway Law	30	CHANNEL NUD CREEK	STA. 16+330+00 to right of & from R.O.W. Line 114' Right	Stream Channel and Banks within R.O.W. and P.E. Taking Lines	0.066	STATE	sect. 12, Highway Law
1-C	RAMP 'C'	STA. 16+0+19 - 16+13+28	Pavement, Shoulders, Drainage System & Landscaping	0.246	STATE	sect. 12, Highway Law	ROADS DESTROYED BY CONSTRUCTION						
1-D	RAMP 'D'	STA. 16+0+23 - 16+11+58	Pavement, Shoulders, Drainage System & Landscaping	0.215	STATE	sect. 12, Highway Law	31	INTERSTATE - ROUTE 11 CONNECTION	STA. 16+6+64 to - 386+78	Abandon and Remove, Right of Way to Remain with the State	0.066	STATE	sect. 10, subdiv. 25, Highway Law
1-E	RAMP 'E'	STA. 16+0+70 - 16+11+29	Pavement, Shoulders, Drainage System & Landscaping	0.200	STATE	sect. 12, Highway Law	32	SEVENTH NORTH STREET COUNTY ROAD	STA. 16+9+49 to - 16+12+85	Abandon and Remove, Right of Way to Remain with the State	0.066	STATE	sect. 10, subdiv. 25, Highway Law
1-F	RAMP 'F'	STA. 16+0+70 - 16+12+15	Pavement, Shoulders, Drainage System & Landscaping	0.217	STATE	sect. 12, Highway Law	33	SOULE ROAD TOWN ROAD	STA. 16+4+43 to - 16+8+20	Abandon and Remove, Right of Way to Remain with the State	0.071	STATE	sect. 10, subdiv. 25, Highway Law
1-G	RAMP 'G'	STA. 16+0+02 - 16+9+69	Pavement, Shoulders, Drainage System & Landscaping	0.183	STATE	sect. 12, Highway Law	34	DAVIS ROAD TOWN ROAD	STA. 16+12+43 to - 16+15+55	Abandon and Remove, Right of Way to Remain with the State	0.059	STATE	sect. 10, subdiv. 25, Highway Law
1-H	RAMP 'H'	STA. 16+0+02 - 16+11+65	Pavement, Shoulders, Drainage System & Landscaping	0.220	STATE	sect. 12, Highway Law	35	SEVENTH NORTH STREET COUNTY ROAD	STA. 16+5+55 to - 16+9+49	Abandon and Remove, Right of Way to Remain with the County	0.075	UNWADAWA	sect. 10, subdiv. 25, Highway Law
1-K	RAMP 'K'	STA. 16+13+01 - 16+13+00	Pavement, Shoulders, Drainage System & Landscaping	0.189	STATE	sect. 12, Highway Law	36	SEVENTH NORTH STREET	STA. 16+12+85 to - 16+26+40	Abandon and Remove, Right of Way to Remain with the County	0.257	UNWADAWA	sect. 10, subdiv. 25, Highway Law
1-L	RAMP 'L'	STA. 16+0+00 - 16+11+50	Pavement, Shoulders, Drainage System & Landscaping	0.218	STATE	sect. 12, Highway Law	37	SOULE ROAD TOWN ROAD	STA. 16+8+20 to - 16+5+33	Abandon and Remove, Right of Way to Remain with the Town	0.002	TOWN OF CLAY	sect. 10, subdiv. 25, Highway Law
CROSSROADS AND INTERSECTIONS													
2	BALDWINVILLE-CICERO S.H. 1039	STA. 16+7+50 - 16+27+00	Pavement, Shoulders, Drainage System & Landscaping	0.369	STATE	sect. 12, Highway Law	38	SOULE ROAD TOWN ROAD	STA. 16+0+62 to - 16+4+43	Abandon and Remove, Right of Way to Remain with the Town	0.072	TOWN OF CLAY	sect. 10, subdiv. 25, Highway Law
3	RELOCATED SOULE ROAD	STA. 16+0+122 to - 16+11+45	Pavement, Shoulders, Drainage System & Landscaping	0.213	STATE	sect. 10, subdiv. 25, Highway Law	39	DAVIS ROAD TOWN ROAD	STA. 16+15+55 to - 16+15+75	Abandon and Remove, Right of Way to Remain with the Town	0.004	TOWN OF CLAY	sect. 10, subdiv. 25, Highway Law
4	SYRACUSE-CICERO S.H. 5470	STA. 16+0+360 to - 16+22+54	Pavement, Shoulders, Drainage System & Landscaping	0.493	STATE	sect. 12, Highway Law	40	DAVIS ROAD TOWN ROAD	STA. 16+12+20 to - 16+12+43	Abandon and Remove, Right of Way to Remain with the Town	0.004	TOWN OF CLAY	sect. 10, subdiv. 25, Highway Law
5	SOUTH CONNECTION TO ROUTE 11	STA. 16+0+10 to - 16+0+12	Pavement, Shoulders, Drainage System & Landscaping	0.481	STATE	sect. 12, Highway Law	41	CIRCLE DRIVE TOWN ROAD	STA. 16+1+48 to - 16+2+18	Abandon and Remove, Right of Way to Remain with the Town	0.013	TOWN OF CICERO	sect. 10, subdiv. 25, Highway Law
6	EAST CIRCLE DRIVE NORTH CONNECTION	STA. 16+0+00 - 16+11+60	Pavement, Shoulders, Drainage System & Landscaping	0.220	STATE	sect. 10, subdiv. 25, Highway Law	ROADS ABANDONED						
7	BEAR ROAD COUNTY ROAD	STA. 16+12+50 - 16+12+56	Pavement, Shoulders, Drainage System & Landscaping	0.001	STATE	sect. 10, subdiv. 25, Highway Law	NONE						
8	CIRCLE DRIVE TOWN ROAD	STA. 16+1+30 - 16+1+58	Pavement, Shoulders, Drainage System & Landscaping	0.005	STATE	sect. 10, subdiv. 25, Highway Law	SNOW REMOVAL						
9	NORGAN ROAD COUNTY ROAD	STA. 16+50 - 16+24+50	Pavement, Shoulders, Drainage System & Landscaping	0.478	UNWADAWA COUNTY	sect. 10, subdiv. 25, Highway Law	42	RELOCATED ROUTE 57 RAMP A, B, C, D, E, F, G, H, K, L	See above for Stations	Pavement on Parts 1, 1-A, 1-B, 1-C, 1-D, 1-E, 1-F, 1-G, 1-H, 1-K, 1-L	STATE	sect. 12, Highway Law	
10	SEVENTH NORTH STREET COUNTY ROAD	STA. 16+0 - 25 to - 16+28+18	Pavement, Shoulders, Drainage System & Landscaping	0.581	UNWADAWA COUNTY	sect. 10, subdiv. 25, Highway Law	43	S.H. 1039 S.H. 5470	See above for Stations	Pavement on Parts 2 & 4	STATE	sect. 12, Highway Law	
11	SOUTH BAY ROAD COUNTY ROAD	STA. 16+0+370 to - 16+12+70	Pavement, Shoulders, Drainage System & Landscaping	0.311	UNWADAWA COUNTY	sect. 10, subdiv. 25, Highway Law	44	RELOCATED SOULE ROAD SOUTH CONNECTION TO ROUTE 11 EAST CIRCLE DRIVE (NORTH CONN.)	See above for Stations	Pavement on Parts 3, 5 & 6	STATE	sect. 12, Highway Law	
12	BEAR ROAD COUNTY ROAD	STA. 16+11+60 - 16+12+50	Pavement, Shoulders, Drainage System & Landscaping	0.017	UNWADAWA COUNTY	sect. 10, subdiv. 25, Highway Law	45	CROSS ROADS	See above for Stations	Pavement on Parts 7 & 8	STATE	sect. 12, Highway Law	
13	DELETED						46	COUNTY ROADS AND CROSS ROADS	See above for Stations	Pavement on Parts 9, 10, 11, 12	UNWADAWA	sect. 135, Highway Law	
14	RELOCATED SOULE ROAD TOWN ROAD	STA. 16+0+145 to - 16+0+22+76	Pavement, Shoulders, Drainage System & Landscaping	0.392	TOWN OF CLAY	sect. 10, subdiv. 25, Highway Law	47	TOWN ROADS IN THE TOWN OF CLAY	See above for Stations	Pavement on Parts 14, 15, 16 & 17	CLAY	sect. 140, Highway Law	
15	EXISTING SOULE ROAD TOWN ROAD	STA. 16+0+33 to - 16+0+00	Pavement, Shoulders, Drainage System & Landscaping	0.051	TOWN OF CLAY	sect. 10, subdiv. 25, Highway Law	48	TOWN ROADS IN THE TOWN OF CICERO	See above for Stations	Pavement on Parts 18, 19, 20	CICERO	sect. 140, Highway Law	
16	DAVIS ROAD (NORTH) TOWN ROAD	STA. 16+15+75 to - 16+17+00	Pavement, Shoulders, Drainage System & Landscaping	0.023	TOWN OF CLAY	sect. 10, subdiv. 25, Highway Law	49	S.H. 5470	STA. 16+0+83 to - 17' Left	Traffic Signal at Intersection of South Connection to Route 11 and S.H. 5470	STATE	sect. 340-b, Highway Law	
17	DAVIS ROAD (SOUTH) TOWN ROAD	STA. 16+10+00 to - 16+12+20	Pavement, Shoulders, Drainage System & Landscaping	0.042	TOWN OF CLAY	sect. 10, subdiv. 25, Highway Law	50	S.H. 5470	STA. 16+17+79 to - 16' Left	Traffic Signal at Intersection of East Circle Drive (North Connection) and S.H. 5470	STATE	sect. 340-b, Highway Law	
18	CIRCLE DRIVE (WEST) TOWN ROAD	STA. 16+2+18 to - 16+4+70	Pavement, Shoulders, Drainage System & Landscaping	0.048	TOWN OF CICERO	sect. 10, subdiv. 25, Highway Law	TRAFFIC SIGNALS						
19	CIRCLE DRIVE (EAST) TOWN ROAD	STA. 16+1+60 - 16+1+50	Pavement, Shoulders, Drainage System & Landscaping	0.030	TOWN OF CICERO	sect. 10, subdiv. 25, Highway Law	None						
20	EAST CIRCLE DRIVE TOWN ROAD	STA. 16+11+60 - 16+11+62	Pavement, Shoulders, Drainage System & Landscaping	0.0004	TOWN OF CICERO	sect. 10, subdiv. 25, Highway Law	STRUCTURES						
21	INTERSTATE ROUTE I-81 (Incl. Ramps A, L, C, D) FISH ST-G	STA. 97+00 to - 222+00	Pavement, Shoulders, Drainage System & Landscaping	2.407	STATE	sect. 12, Highway Law	22	H.G.S. of ROUTE 57	Entire Structure	STATE	sect. 10, subdiv. 25, Highway Law		
22	H.G.S. of ROUTE 57		Entire Structure		STATE	sect. 10, subdiv. 25, Highway Law	23	H.G.S. of MORGAN ROAD	Entire Structure, Except Pavement & Sidewalks	UNWADAWA COUNTY	sect. 10, subdiv. 25, Highway Law		
23	H.G.S. of MORGAN ROAD		Entire Structure, Except Pavement & Sidewalks		UNWADAWA COUNTY	sect. 10, subdiv. 25, Highway Law	24	H.G.S. of SEVENTH NORTH STREET	Entire Structure, Except Pavement & Sidewalks	UNWADAWA COUNTY	sect. 10, subdiv. 25, Highway Law		
24	H.G.S. of SEVENTH NORTH STREET		Entire Structure, Except Pavement & Sidewalks		UNWADAWA COUNTY	sect. 10, subdiv. 25, Highway Law	25	R.R.G.S. of PENN CENTRAL RAIL ROAD	Entire Structure	STATE	sect. 10, subdiv. 26, Highway Law		
25	R.R.G.S. of PENN CENTRAL RAIL ROAD		Entire Structure		STATE	sect. 10, subdiv. 26, Highway Law	26	H.G.S. of ROUTE 11	Entire Structure	STATE	sect. 10, subdiv. 25, Highway Law		
26	H.G.S. of ROUTE 11		Entire Structure		STATE	sect. 10, subdiv. 25, Highway Law	27	H.G.S. of SOUTH BAY Rd.	Entire Structure	STATE	sect. 10, subdiv. 25, Highway Law		
27	H.G.S. of SOUTH BAY Rd.		Entire Structure		STATE	sect. 10, subdiv. 25, Highway Law	51	H.G.S. of INT. ROUTE 57 (EXIST)	Entire Structure	STATE	sect. 10, subdiv. 25, Highway Law		
51	H.G.S. of INT. ROUTE 57 (EXIST)		Entire Structure		STATE	sect. 10, subdiv. 25, Highway Law							

NOTE All existing sanitary sewers and other sewers not deemed to be part of the Project by the superintendent, watermains, hydrants, and other municipally or privately owned facilities within the limits of the R.O.W. which remain in service unchanged and all such facilities relocated or protected as part of the work performed under the project whether crossing, located within or adjacent to the R.O.W. shall be maintained as the case may be by the municipality or by the agency or unit having control and jurisdiction thereof at no cost or expense to the State.

IN CHARGE OF
DESIGNED BY
DRAFTSMAN BY



FED. ROAD REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		31	257
EUCLID-NORTH SYRACUSE, S.H.				
SYRACUSE - CICERO, S.H. 570				

SUGGESTED PROCEDURE FOR MAINTAINING LOCAL TRAFFIC

A METHOD OF MAINTAINING LOCAL TRAFFIC IS ON THIS SHEET AND MATERIAL HAS BEEN PROVIDED IN THE CONTRACT. HOWEVER, PROVIDED CONDITIONS WARRANT IT AT THE TIME OF CONSTRUCTION, THIS METHOD MAY BE MODIFIED TO MORE OR LESS OF THE CONSTRUCTION MATERIALS (GRAVEL, ASPHALT CONCRETE) AS CONDITIONS REQUIRE AND AS ORDERED BY THE ENGINEER, SO LONG AS TRAFFIC IS PROPERLY AND SAFELY MAINTAINED.

TEMPORARY DETOUR DETAIL				
STATION		LOCATION	CENTER LINE GRADE	REMARKS
FROM	TO			
ROUTE 31				
A'8+00	A'10+00	Transition to 50' left of proposed \pm of A'10+00	Same as existing grade	Two Way Traffic
A'10+00	A'13+00	Transition to 60' left of proposed \pm of A'13+00	" " " "	" " "
A'13+00	A'17+00	Transition to 200' left of proposed \pm of A'17+00	" " " "	" " "
A'17+00	A'21+00	Transition to 50' left of proposed \pm of A'21+00	1' above existing grade	" " "
A'21+00	A'24+00	Transition to 45' left of proposed \pm of A'24+00	1.0' above existing grade	" " "
A'24+00	A'26+00	Transition to proposed \pm of A'26+00	Same as existing grade	" " "
ROUTE 11				
J'8+00	J'10+00	Transition to 27' left of proposed \pm of J'10+00	Same as existing grade	Two Way Traffic
J'10+00	J'12+50	27' left of proposed \pm	" " " "	" " "
J'12+50	J'14+10	Transition to proposed \pm	" " " "	" " "

ROUTE 31

- 1- Construct relocated Soule Road between Route 31 and existing Soule Road.
- 2- Construct detour as shown on plans to typical sections shown.
- 3- Construct Bridge over proposed Route 57 with approaches and complete paving of Route 31.
- 4- Reroute traffic to completed Route 31, remove temporary detour and continue with Route 57.

MORGAN ROAD

- 1- Traffic Northbound shall be detoured via Morgan Road, East on Weisel Road, North on Seventh North Street to Route 31 and West on Route 31 to Morgan Road.
 - 2- Traffic Southbound shall be detoured in reverse order.
- All necessary detour signs, such as: M29, M38, and W36 but not necessarily limited to these signs, needed when Morgan Road is temporarily closed will be furnished and installed under Item 76 by the Contractor.

SEVENTH NORTH STREET

- 1- Use existing pavement for detour.
- 2- Complete Bridge and approaches.
- 3- Reroute Traffic and remove existing pavement.

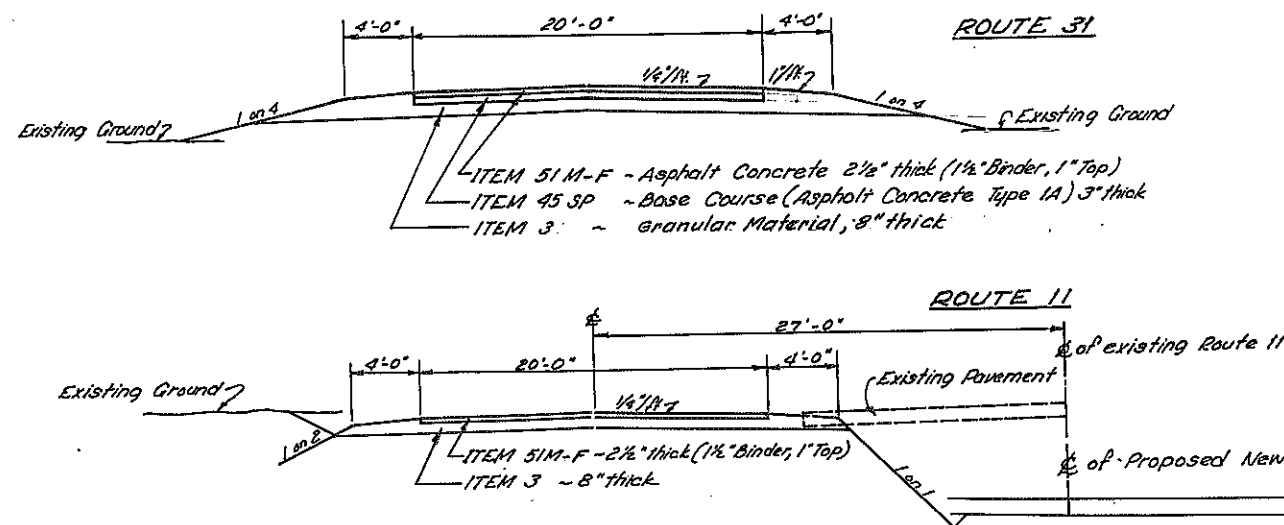
ROUTE 11

- 1- Widen shoulder on left to typical section shown and stabilize and or pave as directed by the Engineer.
- 2- Excavate and complete through ITEM 45 SP using shoulder on right as necessary to maintain detour widths as shown on typical section for detour.
- 3- Excavate and complete left side of road through ITEM 45 SP.
- 4- At this stage with substantially completed pavement, traffic may be shifted to either side while installing curbing and completing pavement.

SOUTH BAY ROAD & BEAR ROAD INTERCHANGE

- 1- Traffic will be maintained on South Bay Road on the present pavement.
- 2- Interchange traffic will be detoured via the Mattydale Oval or Cicero Interchange while the necessary work is completed on Route 57.
- 3- All work in this area once started shall be progressed so that the Interchange at North Syracuse shall be closed for a minimum amount of time.
- 4- The contractor shall submit a schedule of operations and time schedule which shall meet the approval of the District Engineer concerning the area between Route 11 and Route 81.

TEMPORARY DETOUR TWO WAY TRAFFIC NOT TO SCALE



IN CHARGE OF
 DESIGNED BY *John C. Shannon*
 ESTIMATE BY *John C. Shannon*

Prepared pursuant to the Highway Law, and recommended by *John C. Shannon* ENGINEER DIST. NO. HC 47 (2/64)

FED RD REG NO	STATE	FEDERAL AID PROJECT NO	SHEET NO	TOTAL SHEETS
1	N.Y.		330	257
EUCLID-NORTH SYRACUSE, S.H.				

C-55-F
Revised 5/19/68

SUMMARY OF WORK-UP SHEETS FOR EXCAVATION

THESE ESTIMATED QUANTITIES TO BE USED AS THE BASIS FOR BIDDING.
ACTUAL QUANTITIES MAY VARY SUBSTANTIALLY FROM THOSE ESTIMATED.

SUMMARY UNCLASSIFIED EXCAVATION

SOURCE	TOTAL C.Y.
Excavation (C _t) - Summary Table	19,164
Unsuitable Material (F _u) - Summary Table	19,164
Stripping under Fills (F _s) - Summary Table	1,882
Earth Borrow - Summary Sheet	652,659
Drainage Excavation - Drainage Sheets	1,726
Miscellaneous Excavation (DRIVEWAY)	38
NEAT TOTAL	675,659
PROPOSAL TOTAL	675,700

SUMMARY TABLE

SUB-DIVISION NO.	LOCATION		EXCAVATION (C.Y.)						EMBANKMENT (C.Y.)			EXCESS E (C.Y.) C _o - F _t	DEFICIENCY D (C.Y.) F _t - C _o	
			TOTAL CUT C _t	ASSUMED EARTH C _e	ASSUMED UNDERCUT C _u	ITEM 2 SSB	UNSUITABLE MATERIAL F _u	AVAILABLE FOR EMBANKMENT EARTH CUT C _e + C _u	COMPOSITE CUT C _o + C _r	ABOVE O.S. F	REMOVE & REPLACE UNSUITABLE F _s			TOTAL F _t
URBAN PORTION - RT														
16	16	16	919	919			419	735	16,977	163	17,140		16,405	
17	17	17	1,165	1,165			1,165	932	145,929	93	146,022		145,090	
18	18	18	1,169	1,169			1,169	935	181,766		181,766		180,831	
19	19	19	3,253	3,253			3,253	2,602	503,813	256	504,069		501,467	
SUB-TOTAL-URBAN PORTION RT			3,253	3,253			3,253	2,602	503,813	256	504,069		501,467	
URBAN PORTION - RAMPS AND CROSS ROADS														
RAMP 242									30,033		30,033		30,033	
RAMP 243			419	419			419	335	4,457	431	4,882		4,547	
RAMP 244			1,144	1,144			1,144	915	37,600	244	37,844		36,927	
RAMP 245			5,641	5,641			5,641	4,513	3,524	534	4,057		4,513	
RAMP 246			6,386	4,258	2,128	2,029	6,386	5,109	5,666	417	5,109		5,109	
SO. BAY RD			1,951	1,951			1,951	1,561	774		1,561		96	
TURN AROUND DAVIS RD NORTH-SOUTH			120	120			120	96	120		96		152	
TURN AROUND EAST CIRCLE DRIVE			190	190			190	152			152		48	
TURN AROUND KOPP AVE			60	60			60	48			48			
SUB-TOTAL-URBAN PORTION - RAMPS & CROSS ROADS			15,911	13,723	2,128	2,029	15,911	12,729	82,168	1,626	72,769	11,479	71,549	
UNSUITABLE MATERIAL REMOVAL														
DAVIS RD									75,597					
AREA 11									5,019					
SO. BAY RD									14,666					
AREA 12									99,200					
SUB-TOTAL-UNSUITABLE MATERIAL REMOVAL									194,482					
ROUTE 11 S.H. 5470 (URBAN) - EXCESS														
												6,737		
TOTAL			19,164	17,036	2,128	2,029	194,482	19,164	15,331	585,981	1,882	576,828	18,216	572,976

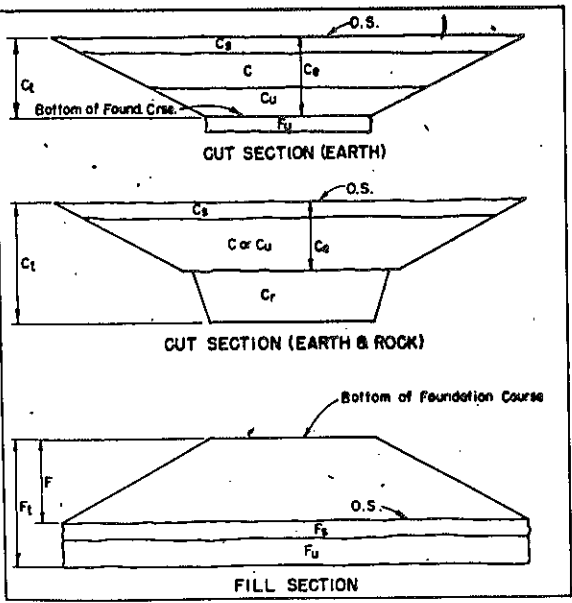
SUMMARY-UNSUITABLE MATERIAL EXCAVATION	
SOURCE	TOTAL C.Y.
URBAN PORTION	
UNSUITABLE MATERIAL (FU) - SUMMARY TABLE	194,482
NEAT TOTAL	194,482
PROPOSAL TOTAL	194,600

* NOTE: UNSUITABLE MATERIAL MAY BE PLACED DIRECTLY IN THE GORE AREAS INDICATED AFTER PLACEMENT OF EMBANKMENT FOR RAMPS. NO PAYMENT WILL BE MADE FOR STOCKPILING UNSUITABLE MATERIAL.

NOTE The excavation tables appearing on this sheet were prepared by the State from the best information available. The Contractor's attention is called to the fact that conditions and quantities as shown on the tables are estimated and not actual and are solely for the purpose of preparing an estimate and for the determination of the low bid. In any event, these conditions and quantities are NOT to be deemed or considered by the Contractor as a warranty or a representation by the Commissioner of actual field conditions or quantities. Borrow, if required, will be paid for under the regular item of unclassified excavation unless specifically provided for in the contract.

BORROW COMPUTATIONS

Deficiency (from Summary Table) D	572,976 C.Y.
Suitable Borrow Material from Other Sources	18,216 C.Y.
Net Deficiency D_N	554,760 C.Y.
Borrow = D _N + Shrinkage Factor	
$554,760 \div 0.85$	652,659 C.Y.



- #### LEGEND
- O.S. = Original surface
 - C_t = Total cut between O.S. and bottom of foundation course or maximum payment limit for unclassified excavation. (Equals C_e + C_r)
 - C_e = Portion of total cut which is assumed to be earth. (Includes C_u and C_r)
 - C_r = Portion of total cut which is assumed to be rock.
 - C_s = Stripping for top soil, sod, etc. under O.S. in cuts.
 - C_u = Excavated material from cuts, which is assumed unsuitable for embankment.
 - C = Portion of earth excavation which is assumed suitable for embankment.
 - C_o = Portion of composite excavation which is assumed suitable for embankment.
 - F = Embankment between O.S. and bottom of foundation course or maximum payment limit for unclassified excavation.
 - F_u = Unsuitable material under O.S. in fill sections and under bottom of foundation course in cut sections, which is to be replaced with embankment.
 - F_s = Stripping for top soil, sod, etc. under O.S. in fill sections, which will be replaced with embankment.
 - F_t = Total embankment material necessary.
 - E = Excess or surplus of excavation.
 - D = Deficiency of excavation, or borrow required to form embankment.
 - f_e = Number which, when multiplied by volume of earth in its original position, yields the volume of compacted embankment which will be produced from cuts.
 - f_r = Number which, when multiplied by the volume of rock in its original position, yields the volume of compacted embankment which will be produced from cuts.
 - Includes shallow overburden occurring in depths of O' to D' over rock. This material is part of the excavated earth material, but is not available for embankment since it is lost in the voids of the broken rock.

See Final Book for Final Quantities.

John C. Shannon, John A. Dubler, E. Laubert, John A. Dubler
MADE BY CHECKED BY TRACED BY CHECKED BY

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		34R	257
SYRACUSE-CICERO, S.H. 5470				

C-55-F
Revised 5/19/68

SUMMARY OF WORK-UP SHEETS FOR EXCAVATION

THESE ESTIMATED QUANTITIES TO BE USED AS THE BASIS FOR BIDDING.
ACTUAL QUANTITIES MAY VARY SUBSTANTIALLY FROM THOSE ESTIMATED.

SUMMARY UNCLASSIFIED EXCAVATION

SOURCE	TOTAL C.Y.
INTERSTATE PORTION	
Excavation (Ct) - Summary Table	1,131
Unsuitable Material (Fu)	0
Stripping under Fills (Fs)	0
Earth Borrow - Summary Sheet	195,134
Drainage Excavation - Drainage Sheets	369
Miscellaneous Excavation (Not shown in Summary Table)	
NEAT TOTAL	196,634
PROPOSAL TOTAL	196,700
ROUTE II - S.H. 5470 URBAN PORTION	
Excavation (Ct) - Summary Table	9,843
Unsuitable Material (Fu)	0
Stripping under Fills (Fs)	0
Earth Borrow - Summary Sheet	0
Drainage Excavation - Drainage Sheets	184
Miscellaneous Excavation - DRIVEWAYS	187
NEAT TOTAL	10,164
PROPOSAL TOTAL	10,195

SUMMARY TABLE

SUB-DIVISION NO.	LOCATION		EXCAVATION (C.Y.)							EMBANKMENT (C.Y.)			EXCESS (C.Y.) E Ca - Ft	DEFICIENCY (C.Y.) D Ft - Ca	
			TOTAL CUT Ct	ASSUMED EARTH Ce	ASSUMED UNDERCUT Cr	ITEM 2'S'S'S'	UNSUITABLE MATERIAL Fu	AVAILABLE FOR EMBANKMENT EARTH CUT C Cp + Cu + Cv	COMPOSITE CUT C Cp + Cr	ABOVE O.S. F	REMOVE & REPLACE UNSUITABLE Fs	STRIPPING Fs			TOTAL Ft Fp + Fs
INTERSTATE PORTION - MAIN LINE															
20	392+00	392+50													
21	392+50		161	161					161	129					
SUB-TOTAL - INTERSTATE PORTION - MAIN LINE			161	161					161	129					
INTERSTATE PORTION - RAMPS															
RAMP 'K'															
	KR 5+36	KR 13+70	269	224	45				269	215					
RAMP 'L'															
	LR 3+80	LR 10+76	701	701					701	561					
SUB-TOTAL - INTERSTATE PORTION - RAMPS			970	925	45				970	776					
UNSUITABLE MATERIAL REMOVAL															
RAMP 'K'															
	KR 5+36	KR 13+70							36,589						
RAMP 'L'															
	LR 3+80	LR 10+76							9,035						
SUB-TOTAL - UNSUITABLE MATERIAL REMOVAL									59,405						
TOTAL - INTERSTATE PORTION			161	161					161	129					
MAIN LINE			161	161					161	129					
RAMPS			970	925	45				970	776					
UNSUITABLE MATERIAL REMOVAL									59,405						
TOTAL - INTERSTATE PORTION			1,131	1,086	45				1,131	905					
ROUTE II - S.H. 5470 (URBAN)															
TOTAL - ROUTE II - S.H. 5470 (URBAN)			9,843	9,843					9,843	7,874				1,137	6,737
TOTAL - ROUTE II - S.H. 5470 (URBAN)			9,843	9,843					9,843	7,874				1,137	6,737

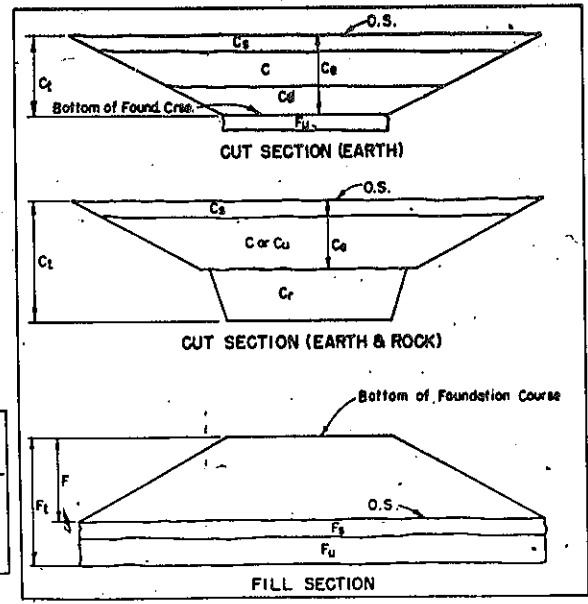
SUMMARY - UNSUITABLE MATERIAL EXCAVATION

SOURCE	TOTAL C.Y.
INTERSTATE PORTION	
UNSUITABLE MATERIAL (Fu) - SUMMARY TABLE	59,405
NEAT TOTAL	59,405
PROPOSAL TOTAL	59,500

NOTE: The excavation tables appearing on this sheet were prepared by the State from the best information available. The Contractor's attention is called to the fact that conditions and quantities as shown on the tables are estimated and not actual and are solely for the purpose of preparing an estimate and for the determination of the low bid. In any event, these conditions and quantities are NOT to be deemed or considered by the Contractor as a warranty or a representation by the Commissioner of actual field conditions or quantities. Borrow, if required, will be paid for under the regular item of unclassified excavation unless specifically provided for in the contract.

BORROW COMPUTATIONS

INTERSTATE		
Deficiency (from Summary Table) D	165,864	C.Y.
Suitable Borrow Material from Other Sources	0	C.Y.
Net Deficiency D _N	165,864	C.Y.
Borrow = D _N ÷ Shrinkage Factor		
	165,864 ÷ 0.85	= 195,134 C.Y.



- #### LEGEND
- O.S. = Original surface
 - Ct = Total cut between O.S. and bottom of foundation course or maximum payment limit for unclassified excavation. (Equals Ce + Cr)
 - Ce = Portion of total cut which is assumed to be earth. (Includes Cu and Cv)
 - Cr = Portion of total cut which is assumed to be rock.
 - Cs = Stripping for top soil, sod, etc. under O.S. in cuts.
 - Cu* = Excavated material from cuts, which is assumed unsuitable for embankment.
 - C = Portion of earth excavation which is assumed suitable for embankment.
 - Cc = Portion of composite excavation which is assumed suitable for embankment.
 - F = Embankment between O.S. and bottom of foundation course or maximum payment limit for unclassified excavation.
 - Fu = Unsuitable material under O.S. in fill sections and under bottom of foundation course in cut sections, which is to be replaced with embankment.
 - Fs = Stripping for top soil, sod, etc. under O.S. in fill sections, which will be replaced with embankment.
 - Ft = Total embankment material necessary.
 - E = Excess or surplus of excavation.
 - D = Deficiency of excavation, or borrow required to form embankment.
 - fe = Number which, when multiplied by volume of earth in its original position, yields the volume of compacted embankment which will be produced from cuts.
 - fr = Number which, when multiplied by the volume of rock in its original position, yields the volume of compacted embankment which will be produced from cuts.
 - * Includes shallow overburden occurring in depths of 0' to 5' over rock. This material is part of the excavated earth material, but is not available for embankment since it is lost in the voids of the broken rock.

See Final Book for Final Quantities

MADE BY *John C. Shannon* CHECKED BY *John A. Dillen*
 TRACED BY *E. L. Lucietti* CHECKED BY *John A. Dillen*

FED. ROAD REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		36R	257
PHOENIX-SYRACUSE, S.H. 5274				
EUCLID-NORTH SYRACUSE, S.H.				

CULVERT MATERIALS (CONT.)

STATION	DESCRIPTION	ROUND CORRUGATED METAL PIPE																	GALV. METAL END SECTIONS						CORR. STRUCT. PLATE PIPE-ARCH						MISCELLANEOUS ITEMS				ITEM 81A							
		ITEM I			ITEM II														ITEM III						ITEM IV						ITEM V											
		2	2E	5T	12"	18"	24"	30"	36"	42"	48"	54"	60"	60"	18"	18"	24"	30"	36"	42"	48"	54"	60"	72"	92"	114"	114"	154"	184"	184"	20	28	30F	BOARDS		PIPS	1020R	EQ.				
	BROUGHT FORWARD	7,316	6,853	2,882	-	1,722	-	2,596	-	272	84	262	-	-	228	238	-	25	-	26	3	1	2	-	4	-	-	266	-	-	1,024	-	54.5	1,567	173.6	181	2,170	145.2				
241+00 S.B.	94 Ft. of 18" Corr. Metal Pipe, 1 Galv. Metal End Section, 1 Frame & Grate No. 10	70	11			94																																				
244+63 N.B.	222 Ft. of 30" Corr. Metal Pipe, 2 Galv. Metal End Sections	278	11				222																																			
246+75 S.B.	84 Ft. of 18" Corr. Metal Pipe, 1 Galv. Metal End Section, 1 Frame & Grate No. 10	54	16			84																																				
252+50 S.B.	90 Ft. of 18" Corr. Metal Pipe, 1 Galv. Metal End Section, 1 Frame & Grate No. 10	67	6			90																																				
258+60 N.B.	90 Ft. of 30" Corr. Metal Pipe, 1 Galv. Metal End Section, 1 Frame & Grate No. 10	75	52				90																																			
258+84 S.B.	106 Ft. of 30" Corr. Metal Pipe, 1 Galv. Metal End Section	90	56				106																																			
264+70 S.B.	82 Ft. of 18" Corr. Metal Pipe, 1 Galv. Metal End Section, 1 Frame & Grate No. 10	33	28			82																																				
267+62 N.B.	182 Ft. of 34" Corr. Metal Pipe, 2 Galv. Metal End Sections	6	666	17								182																														
269+00 S.B.	84 Ft. of 18" Corr. Metal Pipe, 1 Galv. Metal End Section, 1 Frame & Grate No. 10	82	4			84																																				
273+02 N.B.	116 Ft. of 30" Corr. Metal Pipe, 1 Galv. Metal End Section, 1 Frame & Grate No. 10	9	154	38																																						
273+72 S.B.	106 Ft. of 30" Corr. Metal Pipe, 1 Galv. Metal End Section	151	66	34																																						
280+30 S.B.	82 Ft. of 30" Corr. Metal Pipe, 1 Galv. Metal End Section, 1 Frame & Grate No. 10	605	30									164																														
286+40 N.B.	164 Ft. of 60" Corr. Metal Pipe, 2 Galv. Metal End Sections	47	5			84																																				
289+00 S.B.	84 Ft. of 18" Corr. Metal Pipe, 1 Galv. Metal End Section, 1 Frame & Grate No. 10	31	28			82																																				
295+00 S.B.	82 Ft. of 18" Corr. Metal Pipe, 1 Galv. Metal End Section, 1 Frame & Grate No. 10	91	14			82																																				
301+53 N.B.	82 Ft. of 30" Corr. Metal Pipe, 1 Galv. Metal End Section, 1 Frame & Grate No. 10	8	93	10			84																																			
301+79 S.B.	84 Ft. of 30" Corr. Metal Pipe, 1 Galv. Metal End Section	45				60																																				
177+08 N.B.	60 Ft. of 18" Corr. Metal Pipe, 1 Galv. Metal End Section, 1 Frame & Grate #5, Type H	53				72																																				
177+54 S.B.	72 Ft. of 18" Corr. Metal Pipe, 1 Galv. Metal End Section, 1 Frame & Grate #5, Type H	7490	9,586	3,274		2,454		3,484		272	84	262		182	392	238		34		35	3	1	2	2	6			266		1,024		54.5	1,567	256.8	181	2,170	210.2					
	SUB-TOTAL - RURAL PORTION - MAIN LINE																																									
	RURAL PORTION - CROSS ROADS																																									
4+11+33	Remove Existing 20" C.I.P. Culvert	55																																								
10+025+00 E	56 Ft. of 24" Corr. Metal Pipe, 2 Galv. Metal End Sections	207	25	49			56																																			
15+8+80	232 Ft. of 9'-6" by 6'-5" Plate Pipe-Arch	12	926																																							
15+8+92	66 Ft. of 18" Corr. Metal Pipe, 1 Galv. Metal End Section, 1 Frame & Grate #5, Type H	46				66																																				
15+9+40	68 Ft. of 18" Corr. Metal Pipe, 1 Galv. Metal End Section, 1 Frame & Grate #5, Type H	46				68																																				
15+9+60	Remove Existing 6'x13' Concrete Box Culvert	162																																								
15+9+34	58 Ft. of 18" Corr. Metal Pipe, 1 Galv. Metal End Section	40				58																																				
15+9+78	66 Ft. of 18" Corr. Metal Pipe, 1 Galv. Metal End Section	45				66																																				
16+7+67 E	Remove Existing 15" Conc. Box Culvert	37																																								
16+20+90 E	Four - 166 Ft. Each 15'-4" by 9'-3" Corr. Structural Plate Pipe-Arch	1255	4891	5321																																						
16+22+38 E	Remove Existing Structure																																									
	SUB-TOTAL - RURAL PORTION - CROSS ROADS	1,788	5,419	3,370	124	154	56																																			
	RURAL PORTION - RAMPS																																									
10+8+23	50 Ft. of 24" Corr. Metal Pipe, 1 Galv. Metal End Section, 1 Frame & Grate #10	25	67			50																																				
15+3+04	108 Ft. of 30" Corr. Metal Pipe, 2 Galv. Metal End Sections	63	157			108																																				
	SUB-TOTAL - RURAL PORTION - RAMPS	88	224			158																																				
	RURAL PORTION																																									
	MAIN LINE	7,490	9,586	3,274		2,454		3,484		272	84	262		182	392	238		34		35	3	1	2	2	6			266		1,024		54.5	1,567	256.8	181	2,170	210.2					
	CROSS ROADS	1,788	5,419	3,370	124	154	56																																			
	RAMPS	88	224			158																																				
	TOTAL	9,278	15,019	6,644	124	3,038	106	3,642		272	84	262		182	392	238		2	36	3	37	3	1	2	2	6		266	232	1,024	664	115.5	3,134	278.0	243	4,713	224.5					

Culvert data changes made on 50' Plan.

IN CHARGE OF
 DESIGNED BY *John P. Shamm* & *J. Mikulec*
 ESTIMATE BY *L. Lambert* & *J. Dullen*
 TRACED BY

FED. ROAD REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		388	257
PHOENIX-SYRACUSE, S.H. 5274				
EUCLID-NORTH SYRACUSE, S.H.				
SYRACUSE-CICERO, S.H. 5470				

TABLE OF BENCHMARKS

B.M. NO.	STATION	OFF & SIDE	DESCRIPTION	ELEVATION
1	0+10	105' Rt	Spike & Washers Root 30" Ash	426.99
2	9+05	178' Rt	Spike & Washers Root 36" Elm	428.16
3A	A 13+00	75' Lt	Spike in N.M. Pole #48 of NYE #A9	425.76
4M	66+15+00	160' West	Spike in 24" Elm	407.83
5	50+75	151' Rt	Spike & Washers Root 24" Elm	417.57
6A	NB 9+190	132' North	Spike & Washers Root 36" Elm Nut	410.41
7A	26+01+00	300' Rt	Nail in East of 24" Elm, Blaze on Tree	389.76
8A	58+72+50	115' South	Spike & Washers Root 36" Elm Nut	380.35
9A	25+16+75	151' Lt	Spike in 24" Split Maple Cherry	374.00
10	100+43	125' Lt	Spike & Washers Root 16" Cherry	390.16
11G	E 1+60	45' Lt	Spike in N.M. Pole #17	385.23
12A	25+10+15	80' Lt	Nail in East of 30" Maple, Blaze on Tree	382.39
13A	25+10+30	110' Lt	Spike & Washers Root 16" Maple	370.13
14	120+40	160' Rt	Spike & Washers Root 12" Cherry	387.25
15	127+78	29' Rt	Spike & Washers Root 12" Cherry	385.12
16G	15+44+47	245' Lt	Spike in Power Pole, 50' East of Bridge #4, No. Abutment	357.84
17A	DE 155+165	370' Lt	Spike & Washers Root 30" Elm	373.33
18A	DE 168+10	110' Lt	Spike & Washers Root 15" Elm	374.50
19	179+75	236' Rt	Spike & Washers Root 36" Elm	370.93
20C	H 8+16	86' Lt	Spike & Washers Root Maple Clump	370.57
21A	201+65	189' Lt	Nail in NE Corner of So. Section of East Abutment	402.80
22	211+10	183' Rt	Spike & Washers Root 12" Cherry	389.09
23	211+70	122' Rt	Spike & Washers Root 12" Cherry	385.33
24A	NB 23+105	125' North	Spike & Washers Root 15" Maple	371.80
25	232+33	131' Rt	Spike & Washers Root 24" Elm	372.12
26	240+18	97' Rt	Spike & Washers Root 36" Willow	371.07
27	252+95	160' Rt	Spike & Washers Root Clump 4-18" Willows	371.50
28	258+64	282' Rt	Spike & Washers Root 15" Maple	372.12
29	270+74	288' Lt	Spike & Washers Root 15" Cherry	373.55
30C	NB 28+105	125' North	Spike & Washers Root 15" Maple	381.24
31A	290+85	230' Rt	Spike & Washers Root 28" Ash	377.02
32	305+32	116' Lt	Spike & Washers Root 30" Elm	379.15
33	321+83	175' Rt	Spike & Washers Root 12" Elm	395.34
34A	318+18	25' Lt	Spike & Washers Root 36" Maple, Blaze Mark	382.83
35	340+88	125' Lt	Spike & Washers Root 36" Maple	378.36
36	351+40	294' Rt	Spike & Washers Root 60" Oak	392.33
37B	37+50	384' Lt	West End Slab in front of N.E. Conn. Drive, Nail	393.44
38A	H 7+50	30' N.W.	R.O.W. Hedge Row - 18" Ash, Root Nail & Blaze Mark	384.56
39C	58+88+90	51' Lt	#120 Spike in Guard Rail Post No. Side Southbound Lane	391.75
40A	394+44	51' Rt	Top of concrete curb wall of S. E. Connection Square	407.41
41	7'15+00	35' Rt	Top of concrete curb wall of S. E. Connection Square	374.37
42	7'26+27	1' Lt	N.W. Root of 36" Willow Clump	376.99
43	0'11+00	15' Lt	N.E. Nut on Hydrant Flange	392.39
				393.56

ITEM 116 PERFORATED CORR. METAL PIPE UNDERDRAIN

RURAL PORTION	26+00 N.B. to 31+00 N.B.	500 L.F.
TOTAL - RURAL PORTION		500 L.F.
URBAN PORTION	MEDIAN (RAMP E & F)	430 L.F.
	MEDIAN (RAMP G & H)	420 L.F.
TOTAL - URBAN PORTION		850 L.F.
ROUTE II - S.H. 5470 (URBAN)		
	K'12+18 Lt. - J'50+95	1,720 L.F.
	J'1+55 Rt. - T'0+96	1,670 L.F.
	15'0+95 Lt. - J'22+00	430 L.F.
TOTAL ROUTE II		3,820 L.F.
TOTAL CONTRACT - NEAT		5,170 L.F.
PROPOSAL		5,180 L.F.

ITEM 113HS HIGHWAY BARRICADE (WF TYPE POST)

RURAL PORTION	STA. 10+00	40 L.F.
TOTAL - RURAL PORTION		40 L.F.
URBAN PORTION	STA. 1'12+20	40 L.F.
	STA. 1'13+15	40 L.F.
	STA. 2'2+18	40 L.F.
	STA. 1'0+70	40 L.F.
TOTAL - URBAN PORTION		160 L.F.
TOTAL CONTRACT - NEAT		200 L.F.
PROPOSAL		200 L.F.

ITEM 106X REMOVE EXISTING R.O.W. FENCE

URBAN PORTION	STA. 1'4+50 to 1'4+50 Lt.	180 L.F.
	STA. 1'4+55 to 1'4+55 Lt.	30 L.F.
TOTAL - URBAN PORTION		210 L.F.
TOTAL CONTRACT - NEAT		210 L.F.
PROPOSAL		210 L.F.

ITEM 104S - GRANITE RIGHT-OF-WAY MARKERS

RURAL PORTION	RE 8+00 - RE 326+00	226 EG.
URBAN PORTION	RE 326+00 - RE 375+00	92 EG.
ROUTE II - S.H. 5470 (URBAN)		
	J'0+30 - J'22+50	23 EG.
TOTAL CONTRACT - NEAT		341 EG.
PROPOSAL		341 EG.

BOX-BEAM GUIDE RAIL

LOCATION	STATION to STATION	33AD	33ADX	33ADDR	33MU	33MUX	33MUA	33MUB	33DB	33DDB
		L.F.	L.F.	Ed.	L.F.	L.F.	Ed.	Ed.	L.F.	Ed.
ITEM 33AD - Box Beam Guide Rail										
ITEM 33ADX - Box Beam Guide Rail (Shop Curved)										
ITEM 33ADDR - Box Beam Guide Rail End Assembly										
ITEM 33MU - Box Beam Median Barriers										
ITEM 33MUX - Box Beam Median Barriers Shop Curved										
ITEM 33MUA - Box Beam Median Barriers End Assemblies Type A										
ITEM 33MUB - Box Beam Median Barriers End Assemblies Type A										
ITEM 33DB - Corrugated Beam Type Guide Railing										
ITEM 33DDB - Anchor Unit for Corr. Beam Type										
A'14+30 - A'15+81 Lt. (West of Bridge #1)		81.65	75.10	1						
A'14+80 - A'16+15 Rt. (West of Bridge #1)		81.55	75.05	1						
A'18+70 - A'20+20 Lt. (East of Bridge #1)		81.65	75.05	1						
A'19+00 - A'20+30 Rt. (East of Bridge #1)		123.55								
DR 0+00 - DR 6+50 Rt. (D.Ramp)		503.00	135.00	1						
D'0+40 - D'8+73 (Soule Rd.)						221.96	611.37	2		
D'0+80 - D'0+18+40 (Soule Rd.)						761.93		2		
E'2+75 - E'7+20 Lt. Morgan Rd.		369.01	75.00	2						
E'7+50 - E'9+50 Lt. South of Bridge #2		204.60		1						
E'2+75 - E'9+00 Rt.		561.55	75.00	1						
E'12+85 - E'18+80 Lt.		525.63	75.00	1						
E'12+30 - E'13+55 Rt.		132.60		1						
E'13+85 - E'14+30 Rt.		42.00		2						
E'14+60 - E'15+45 Rt.		83.94		2						
E'15+75 - E'16+10 Rt.		36.00		2						
E'16+40 - E'16+70 Rt.		30.01		2						
E'17+00 - E'19+45 Rt.		251.97		2						
G'0+25 - G'9+35 Rt. 7th North St.		847.70	75.00	1						
G'4+25 - G'9+40 Lt. So of Bridge #4		453.28	75.00	1						
G'12+00 - G'26+35 Rt. North side		1347.32	75.00	1						
G'12+00 - G'15+50 Lt. of Bridge #4		366.96	60.00	1						
G'15+50 - G'26+15 Lt. Inc. So. No. Drive		1011.28	134.80	2						
NB 16+150 - 177+22 Lt. West		1203.40	75.00	1						
NB 176+25 - 177+88 Rt. Mail of		57.60	69.00	1						
NB 164+00 - 177+65 Rt. Bridge		1222.00	75.10	1						
NB 174+85 - 177+75 Lt. Mail No. 5						285.25				
NB 174+00 - 195+30 Lt. East		1569.31	75.00	1						
NB 178+90 - 181+75 Rt. Mail of						285.16				
NB 179+44 - 195+70 Rt. Bridge #5		1574.80	74.95	1						
NB 179+30 - 180+40 Lt. Mail		57.77	69.00	1						
NB 324+25 - 344+55 Lt. West		963.10	75.00	1						
NB 343+70 - 344+85 Rt. Mail of		57.60	69.00	1						
NB 333+25 - 345+20 Rt. Bridge #6		1125.65	75.00	1						
NB 342+40 - 345+28 Lt. Mail East						285.18				
NB 346+15 - 349+06 Rt. Mail East						285.15				
NB 346+30 Lt. - G'24+00 Rt. of		267.80	351.05	1						
NB 346+55 - 348+55 Lt. Mail Bridge #6		228.50		1						
NB 347+150 - 348+00 Lt.		513.80	290.95	1						
FR 0+85 - 6+46 Lt. Mail						557.76		2		
NR 0+120 - 4+55 Rt. Mail						365.54		2		
NR 3+10 Lt. - NB 360+50 Lt.		785.65	317.95	2						
NB 365+05 - 367+70 Lt.		107.96	150.00	2						
NB 370+00 - 374+20 Lt.		345.54	75.00	1						
NB 373+25 - 374+35 Rt. Mail of		57.92	69.00	1						
NB 371+60 - 374+10 Lt. Mail Bridge #7						285.15				
NB 368+30 - 374+25 Rt.		843.34	75.00	1						
NB 376+00 Lt. - KR 1135 Lt.		425.73	411.10	1						
NB 374+85 - 378+68 Rt. Mail						285.10				
NB 376+18 - 377+25 Lt. Mail		55.70	69.02	1						
LR 1+00 - LR 10+46 Rt.		615.75	341.15	1						
NB 380+00 Rt. - LR 10+34 Lt.		491.92	269.85	2						
KR 5+50 - KR 1135 Rt.		512.52	75.00	2						
NB 379+25 - 382+10 Rt.									1311.50	1
NB 379+10 - 382+39 Lt.									1343.20	1
NB 386+65 - 393+65 Lt. Mail									711.20	2
NB 387+05 - 394+60 Rt. Mail									712.50	2
R 137+00 Rte. 81 Overhead Lt.		134.97	75.05	2						
R 137+00 Rte. 81 Overhead Lt.						523.85		2		
R Rte. 81 Cantilever Rt.		183.04	75.02	2						
R 167+40 Rte. 81 Overhead Lt.		129.00	75.00	2						
R 167+40 Rte. 81 Overhead Rt. Mail									317.93	1
MC 0+05 - 7+73 MAIL						323.60	414.30	2		
MC 9+10 - 10+05 MAIL						96.00		2		
NB 379+35 - 382+35 Repair									300.00	
SP 1 E. MAIL		36.03	66.02	2						
TOTALS		20703.63	4448.21	60	4679.56	1025.67	19	5	4377.90	6

As built revisions: Table of Guide Rail Locations, Revised Table of Benchmarks, Permanent Survey Marker Locations, Deleted Item 104S table Data Based on 80' Plan.

FED. ROAD REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		392	257
PHOENIX-SYRACUSE, S.H. 5274				
EUCALID-NORTH SYRACUSE, S.H.				
SYRACUSE-CICERO, S.H. 5470				

DRIVEWAY SUMMARY

STATION	SIDE	TYPE & WIDTH	CULV. PIPE - OPTIONAL			END SECTIONS			ITEM 51MD	ITEM 3	ITEM 2
			14M212	14M218	14M224	MESMIE	MESMIE	14M224			
RURAL PORTION											
ROUTE 31	RA.	15'6" RWY	24			2			1.8	10	3
1'9+84	RA.	12'6" RWY	24			2			1.5	10	3
1'25+00	LT.	15'6" RWY	24			2			1.8	10	3
1'25+00	RA.	15'6" RWY	24			2			1.8	10	3
BELOC SOULE RD											
10-D-18+00E	RA.		24			2			1.5	9	3
10-D-18+00E	RA.		28			2			1.5	9	3
10-D-28+70E	RA.	12'6" RWY	24			2			1.5	9	3
MORGAN ROAD											
1'0+70E	LT.		26			2			1.5	8	3
1'13+00	RA.	10'6" RWY	120			2			1.5	40	3
1'18+50	RA.	15'6" RWY	120			2			1.8	15	3
1'15+65E	RA.		30			2			1.5	10	3
1'19+00	LT.	10'6" RWY				2			1.5	9	3
1'19+60E	RA.	10'6" RWY	24			2			3.0	9	3
1'21+40E	LT.	10'6" RWY	24			2			1.5	6	3
TH NORTH ST											
1'16+00E	LT.	16'6" RWY		180		2			14.5	35	3
1'27+00E	LT.					2			1.5	8	3
TOTAL - RURAL PORTION											
			220	246	120	18	2		41.7	207	48
URBAN PORTION											
SOUTH BAY RD											
1'0-24E	RA.	10'	24			2			3.0	6	3
1'0-13E	LT.	35'	36			2			3.8	8	5
1'0-60E	RA.	24' RWY	36			2			3.0	7	4
INTERSTATE CONN TO RT 11											
1'4-9+65	LT.	16'6" RWY		36		2			1.8	135	20
KOPP AVE											
1'0+60E	LT.	12' HOC				2			2.1	5	6
TOTAL - URBAN PORTION											
			60	36	36	4	2	2	13.7	161	38
ROUTE 11 - S.H. 5470											
1'0-50E	RA.								1.5	5	6
1'1+25E	LT.	2' @ 35'							7.5	15	20
1'1+65E	RA.	12' HOC							1.5	3	5
1'2+45E	LT.	35' RWY							3.8	8	10
1'3+30E	RA.	16' HOC - KOPP AVE							7.5	15	20
1'3+40E	LT.	10' RWY							1.5	3	5
1'4+15E	RA.	8' HOC							1.5	3	5
1'4+70E	RA.	10' HOC							1.5	3	5
1'4+70E	LT.								1.5	3	5
1'5+25E	RA.	9' HOC							1.5	3	5
1'5+75E	RA.	11' HOC							1.5	3	5
1'5+80E	LT.	35' RWY							3.8	8	10
1'6+45E	RA.	8' HOC							1.5	3	5
1'7+60E	LT.	2' @ 35' 75' RWY							7.5	10	15
1'9+00E	LT.								1.5	3	5
1'13+80E	RA.	2' @ 35' 140' RWY							7.5	10	15
1'15+00E	LT.	160' @ 20.35							7.5	10	15
1'16+05E	RA.	56' RWY							3.8	8	10
1'19+30E	LT.	2' @ 35' 81'							7.5	10	15
1'21+00E	LT.	Radio Sk	30			2			3.8	5	6
TOTAL - RTE 11 - S.H. 5470											
				30		2			75.2	131	157

ITEM 94M - OPTIONAL CURB (TYPE C)

ROUTE 11 - S.H. 5470 URBAN PORTION	
1'12+18 LT. - 15'0+9E	1,720 L.F.
1'1+55 RA. - 1'7'0+9E	1,670 L.F.
15'0+9E LT. - 1'22+00 LT.	430 L.F.
ISLANDS (ROUTE 11 & NORTH CONN.)	330 L.F.
TOTAL - ROUTE 11 PORTION	4,150 L.F.
URBAN PORTION	
ISLANDS 1'6' F RAMP	160 L.F.
TOTAL - URBAN PORTION	160 L.F.
TOTAL CONTRACT: NEAT	4,310 L.F.
PROPOSAL	4,340 L.F.

ITEM 106MS6 - CHAIN LINK FENCING (6 FT. HIGH)

PORTION	STATION	STATION	SIDE	L.F.	POSTS			TOTALS L.F.
					END	INTR	COE	
RURAL	1'28+00E	1'24+23E	LT.	1,760	2	1	1	
	1'28+00E	1'10+30E	RA.	1,308	2	1	2	
	1'10+16E	10-D-13+70E	RA.	1,618	2	2	3	
	1'24+25E	1'25+400E	LT.	3,232	2	5	2	
	10-D-11+70	1'25+400E	RA.	2,456	2	4	2	
	285+00	1'25+400E	LT.	4,168	1	7	2	
	1'25+400E	RA.	786	1	1			
RURAL PORTION - 15,278 + (12+21+13)10 = 15,738								
URBAN	1'22+00E	356+43E	LT.	3,760	1	7	1	
	357+45E	1'17+35E	LT.	1,695	2	1	8	
	1'21+25E	1'7'11+94E	LT.	1,226	2	1	3	
	1'11+94E	383+95E	LT.	2,272	2	3	3	
	1'22+00E	1'25+70E	RA.	3,206	1	7	1	
	1'25+70E	1'11+20+1E	RA.	1,240	2	1	3	
	1'11+20+1E	LT.	12,799	13	20	19		
URBAN PORTION - 12,799 + (13+20+19)10 = 13,319								
TOTAL CONTRACT: NEAT - 29,057								
(See Find Book for Find Quantities) PROPOSAL 29,100								

ITEM 106R4 - RIGHT-OF-WAY FENCING (4 FT. HIGH)

PORTION	STATION	STATION	SIDE	L.F.	POSTS			TOTALS L.F.
					END	INTR	COE	
RURAL	1'25+00E	1'25+55E	LT.	4,268	8	10		
	1'25+00E	107+25E	RA.	1,335	2	10		
	106+25E	140+45E	RA.	1,363	2	7		
	108+15E	141+10E	RA.	3,221	2	6	2	
	141+62E	312+2E	RA.	17,635	4	40	2	
	140+95E	285+00E	LT.	14,480	4	34	3	
				47,052	16	107	7	
RURAL TOTAL CONTRACT: NEAT - 49,652								
PROPOSAL 49,660								

ITEM 33 - MEDIAN BARRIER

STATION TO STATION	SIDE	ITEM 33				
		55MU	55DM	55MDA	55MUA	55MUB
RURAL PORTION						
174+95 S.B.	BRIDGE	LT.	278			1
BRIDGE - 181+69 N.B.	RA.	LT.	278			1
TOTAL - RURAL PORTION - 556						
URBAN PORTION						
342+47 S.B.	BRIDGE	LT.	278			1
BRIDGE - 348+97 N.B.	RA.	LT.	278			1
371+77 S.B.	BRIDGE	LT.	278			1
1'ER'1100	1'ER'6+72	RA.		575	2	
1'GR'0+34	1'GR'4+66	LT.		425	2	
358+53 N.B.	359+37 N.B.	RA.	156			1
TOTAL - URBAN PORTION 990						
TOTAL CONTRACT: NEAT 2,630 L.F.						
PROPOSAL 2,630 L.F.						

BOX-BEAM GUIDE RAIL

ITEM 33AD - BOX-BEAM GUIDE RAIL
 ITEM 33ADX - BOX-BEAM GUIDE RAIL (SHOP CURVED)
 ITEM 33ADDR - BOX-BEAM GUIDE RAIL END ASSEMBLY
 ITEM 34A - GUIDE POSTS (WOOD)

STATION TO STATION	SIDE	ITEM 33AD		ITEM 33ADX		ITEM 33ADDR		ITEM 34A	
		Post 4' c to c	Post 6' c to c	Post 4' c to c	Post 6' c to c	Post 4' c to c	Post 6' c to c	Eq.	Eq.
RURAL PORTION									
165+25 N.B.	BRIDGE	LT.	1,146	50	72			1	
165+50 S.B.	BRIDGE	RA.	1,164	50	72			1	
BRIDGE - 194+56 N.B.	LT.		1,506	50	72			1	
BRIDGE - 194+90 S.B.	RA.	LT.	1,794	50	72			1	
176+27 N.B.	BRIDGE	RA.	500	50	66			1	
BRIDGE - 180+30 S.B.	LT.		57		66			1	
1'14+39 E	BRIDGE	LT.	24	50	72			1	
1'14+78 E	BRIDGE	RA.	24	50	72			1	
BRIDGE - 1'19+02 E	LT.		24	50	72			1	
BRIDGE - 1'20+48 E	RA.	LT.	24	50	72			1	
1'3+50 E	BRIDGE	LT.	546	50	72			1	
1'3+50 E	BRIDGE	RA.	570	50	72			1	
BRIDGE - 1'5'812 E	RA.	LT.	432	50	72			7	6
BRIDGE - 1'5'18+04 E	LT.		474	50	72			1	
1'5'2+52 E	BRIDGE	RA.	624	50	72			1	
1'5'400 E	BRIDGE	LT.	390	50	72			1	
BRIDGE - 1'5'25+50 E	RA.	LT.	1,302	50	72			1	
BRIDGE - 1'6'25+48 E	LT.		1,254	50	72			3	2
SUB-TOTAL - 10,938									
Post 4' c to c 900x1.2 = 1,080									
TOTAL - RURAL PORTION 12,018 L.F.									
URBAN PORTION									
338+10 N.B.	BRIDGE	LT.	594	50	72			1	
338+139 S.B.	BRIDGE	RA.	624	50	72			1	
BRIDGE - 1'GR'5+00	LT.		222	50	312			1	
BRIDGE - 1'GR'6+66	RA.	LT.	492	50	354			1	
343+72 N.B.	BRIDGE	RA.		50	66			1	
BRIDGE - 348+92 S.B.	LT.		120	50	66			1	
1'HE'4+40	BRIDGE	LT.	2,190	50	204			1	
1'FR'2+60	BRIDGE	RA.	1,578	50	696			1	
378+25 N.B.	BRIDGE	RA.		50	66			1	
SUB-TOTAL - 5,820									
Post 4' c to c 450x1.2 = 540									
TOTAL - URBAN PORTION 6,360									
TOTAL CONTRACT: NEAT 18,378 L.F.									
PROPOSAL 18,386 L.F.									

IN CHARGE OF: *[Signature]*
 DESIGNED BY: *[Signature]*
 ESTIMATE BY: *[Signature]*
 TRACED BY: *[Signature]*

NOTE: 2600 L.F. OF THIS QUANTITY IS INCLUDED IN THE ESTIMATE FOR RECONSTRUCTION S.H. 5274.

As Built Revisions:
 Guide Rail Tables ~~Items 33MU, 33DM, 33MDA, 33MUA, 33MUB~~
 (See Sh. 38 For Superseded Tables.) 33AD, 33ADX, 33ADDR, 34A.
 Item 106R4 - R.O.W. Fencing table Superseded



FED. ROAD REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		39R2	

Station to Station	Side	I.R.	L.F. of Fence	No. Posts
RE 54+00 to NB 81+00	NB	294	2,724.2	9
NB 81+00 to NB 81+75	NB	6374	73.4	0
NB 81+75 to RE 93+00	NB	294	1,106.5	5
RE 93+00 to Bridge #2	NB	6374	365.7	3
NB 97+75 to F11+87 (End)	NB	6367	1,644.8	11
F 17+05 to F 17+35	NB	6367	32.8	4
RE 134+00 to NB 128+75	NB	6367	1,142.6	8
NB 129+00 to NB 135+60	NB	6367	444.7	4
NB 135+60 to RE 163+50	NB	6355	1,650.9	7
RE 163+50 to RE 187+00	NB	281	2,302.7	9
RE 187+00 to RE 190+10	NB	6380	428.8	3
NB 178+80 to NB 220+00	NB	6332	4,350.0	19
NB 220+00 to NB 272+35	NB	6329	5,200.0	18
NB 135+10 to NB 135+60	NB	6412	18.6	1
V-V 0+41 Rt.		6367	0	1

21,485.7
102 posts @ 20 L.F. @ 2,040.0
Total N.B. = 23,525.7 L.F.

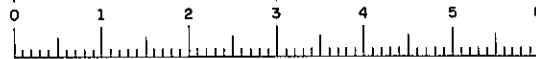
RE 54+00 to SB 94+50	SB	321	4,080.1	14
SB 94+50 to Bridge #2	SB	6374	368.2	3
Bridge #2 to RE 119+50	SB	6355	1,183.3	7
RE 119+50 to Bridge #4	SB	6350	4,659.1	19
SB 130+50 to SB 132+00	SB	6367	151.8	3
SB 132+75 to RE 158+00	SB	6355	1,421.8	6
RE 158+00 to RE 187+96	SB	281	2,769.5	10
RE 187+96 to Bridge #5	SB	6374	400.3	3
Bridge #5 to RE 207+50	SB	6355	1,725.2	3
RE 207+50 to RE 217+78	SB	393	988.0	6
RE 217+78 to SB 213+96	SB	6380	904.8	3
SB 213+96 to # 252+06	SB	281	2,607.1	8
# 252+06 to # 258+23	SB	6380	620.8	1
# 258+23 to SB 269+85	SB	6006	2,262.9	9
SB 269+85 to SB 288+25	SB	6088	1,833.3	6
SB 288+25 to SB 307+00	SB	6088	1,997.3	9

118 Posts @ 20 L.F. @ = 2,360.0
Total S.B. = 30,333.0
Item 106 R4 Total = 53,858.7 L.F.

DRIVEWAY						SUMMARY					
Station	Side	Type	Pipe Item	End Section	L.F. Pipe	Station	Side	Type	Pipe Item	L.F. Pipe	End Section
Rte. 11											
J'0-541	Rt.	Paved				E'0+00	Lt.	Gravel			
J'0-483	Lt.	Paved				E'2+00	Lt.	Gravel			
J'0-338	Rt.	Paved				E'2+00	Rt.	Gravel			
J'0-300	Lt.	Paved				E'7+50	Lt.	Gravel			
J'0-280	Rt.	Paved				E'13+70	Rt.	Gravel			
J'0-244	Rt.	Paved				E'14.45	Rt.	Gravel			
J'0-013	Rt.	Paved				E'15+60	Rt.	Gravel	14MQ12	20	14ESM12-2@
J'0+06	Lt.	Gravel				E'16+25	Rt.	Gravel	14MQ18	40	14ESM18-2@
J'0-90	Lt.	Paved				E'16+86	Rt.	Paved	14MQ18	50	14ESM18-2@
J'1+65	Lt.	Paved				E'20+12	Lt.	Gravel	14MQ12	24	14ESM12-2@
J'2+28	Rt.	Paved				E'20+08	Rt.	Paved	14MQ12	24	14ESM12-2@
J'2+73	Rt.	Paved				E'21+90	Rt.	Gravel			
J'2+50	Lt.	Paved				E'21+70	Lt.	Paved	14MQ12	44	14ESM12-2@
J'3+50	Lt.	Paved									
J'4+15	Rt.	Paved									
J'4+60	Lt.	Paved									
J'4+70	Rt.	Paved									
J'5+20	Rt.	Paved									
J'5+33	Lt.	Paved									
J'6+00	Lt.	Paved									
J'5+95	Rt.	Paved									
J'7+10	Rt.	Paved									
J'7+20	Lt.	Paved									
J'7+75	Lt.	Paved									
J'8+70	Lt.	Paved									
J'9+80	Lt.	Paved									
J'13+22	Rt.	Paved									
J'13+80	Lt.	Paved									
J'14+25	Rt.	Paved									
J'14+65	Lt.	Paved									
J'15+70	Lt.	Paved									
J'16+00	Rt.	Paved									
J'16+28		Paved									
J'16+95		Paved									
J'19+00	Lt.	Paved									
J'19+50	Lt.	Paved									
J'21+00	Lt.	Paved									
Rte. 31											
A'9+80	Rt.	Gravel	14MQ12	14ESM12-2@	24						
A'25+50	Lt.	Gravel									
A'25+50	Rt.	Gravel									
7th No. St.											
G'2+00	Lt.	Gravel	14MQ12	14ESM12-2@	32						
G'16+00	Lt.	Paved	14MQ24	14ESM24-2@	120						
G'26+00	Lt.	Paved	14MQ12	14ESM12-2@	24						
G'27+50	Rt.	Paved									
G'27+50	Lt.	Paved									
Soule Rd.											
D-D28+80		Gravel									
D-D19+00		Gravel	14MQ12	14ESM12-2@	28						
D-D13+75		Gravel									
D'9+00		Gravel	14MQ12	14ESM12-2@	24						
South Bay											
P'0+45	Rt.	Paved	14MQ18	14ESM18-2@	100						
P'0-55	Rt.	Paved									

As Built Revisions:
New Driveway Summary
New Table for Item 106 R4

DATED: _____ REVIEWED BY: _____ CHECKED BY: _____ DESIGNED BY: _____ IN CHARGE OF: _____



S.H. 69-5 R.C. 69-102

DRIVEWAY SUMMARY

STATION	SIDE	TYPE & WIDTH	CULV. PIPE - OPTIONAL			END SECTIONS			ITEM 2	ITEM 3	ITEM 4
			14"X12"	14"X18"	14"X24"	ES	EA	EA			
RURAL PORTION											
ROUTE 31											
118+92	RT.	15'X10'	24			2			1.8	10	3
119+84	RT.	12'X10'	24			2			1.5	10	3
125+00	LT.	15'X10'	24			2			1.8	10	3
125+00	RT.	15'X10'	24			2			1.8	10	3
RELLOC. SOULEY RD.											
10-D-13+00E	RT.		24			2			1.5	9	3
10-D-15+00E	RT.		28			2			1.5	9	3
10-D-28+00E	RT.	12'X10'	24			2			1.5	9	3
URBAN PORTION											
NORTH ST											
150+70E	LT.		26			2			1.5	8	3
151+00	RT.	10'X10'	120			2			1.5	40	3
151+50	RT.	15'X10'	120			2			1.8	15	3
151+65E	RT.		30			2			1.5	10	3
151+00	LT.	10'X10'							1.5	9	3
151+60E	RT.	10'X10'	24			2			3.0	9	3
152+40E	LT.	10'X10'	24			2			1.5	6	3
TH NORTH ST											
152+00E	LT.	16'X10'		180		2			16.5	35	3
152+00E	LT.								1.5	8	3
TOTAL - RURAL PORTION			220	296	120	18	8	2	417	207	48
URBAN PORTION											
SOUTH BAY RD											
150-245E	RT.	10'	24			2			3.0	6	3
150-135E	LT.	35'		36		2			3.8	8	5
150-60E	RT.	24'X10'	36			2			3.0	7	4
INTERSTATE CONN. TO RT. 11											
151+965	LT.	16'X10'		36		2			1.8	135	20
KOPP AVE											
150+60E	LT.	12'X10'				2			2.1	5	6
TOTAL - URBAN PORTION			60	36	36	4	2	2	13.7	161	38
ROUTE 11 - S.H. 5470											
150-50E	RT.								1.5	5	6
151+25E	LT.	21'X35'							7.5	15	20
151+65E	RT.	12'X10'							1.5	3	5
152+45E	LT.	35'X10'							3.8	8	10
153+30E	RT.	16'X10' - BRIDGE							7.5	15	20
153+40E	LT.	10'X10'							1.5	3	5
154+15E	RT.	8'X10'							1.5	3	5
154+70E	RT.	10'X10'							1.5	3	5
154+70E	LT.								1.5	3	5
155+25E	RT.	9'X10'							1.5	3	5
155+75E	RT.	11'CONC.							1.5	3	5
155+80E	LT.	35'X10'							3.8	8	10
156+45E	RT.	8'X10'							1.5	3	5
157+60E	LT.	8'X10' 35' 75'X10'							7.5	10	15
157+00E	LT.								1.5	3	5
1513+80E	RT.	21'X35' 140'X10'							7.5	10	15
1515+00E	LT.	160'X20'35'							7.5	10	15
1516+05E	RT.	36'X10'							3.8	8	10
1519+30E	LT.	21'X35' 111'							7.5	10	15
1521+00E	LT.	Red 10'50'		30		2			3.8	5	6
TOTAL - RT. 11 - S.H. 5470				30		2			7.52	131	187

ITEM 94M - OPTIONAL CURB (TYPE C)

ROUTE 11 - S.H. 5470 URBAN PORTION

K'12+18 LT. - 15'0+95 1,720 L.F.

U'1+55 RT. - 7'0+96 1,670 L.F.

15'0+95 LT. - 15'22+00 LT. 430 L.F.

ISLANDS (ROUTE 11 & NORTH CONN.) 350 L.F.

TOTAL - ROUTE 11 PORTION 4,150 L.F.

URBAN PORTION 160 L.F.

ISLANDS 15'6" RAMP 160 L.F.

TOTAL - URBAN PORTION 320 L.F.

TOTAL CONTRACT: NEAT 4,310 L.F.

PROPOSAL 4,340 L.F.

ITEM 106MSG - CHAIN LINK FENCING (6 FT. HIGH)

PORTION	STATION	STATION	SIDE	L.F.	POSTS			TOTALS
					END	INTR	COR.	
RURAL								
	Rc'8+00E	1'24+23E	LT.	1,760	2	1	4	
	Rc'8+00E	1'10+30E	RT.	1,308	2	1	2	
	1'10+16E	1'0-D-13+70E	RT.	1,618	2	2	3	
	1'24+25E	Rc'54+00E	LT.	3,232	2	5	2	
	1'0-D-11+70	Rc'54+00E	RT.	2,456	2	4	4	
	285+00	Rc'326+00E	LT.	4,168	1	7	2	
	Rc'318+67E	Rc'326+00E	RT.	736	1	1		
				15,278	12	21	13	
RURAL PORTION				15,278	(12+21+13)10			15,788
URBAN								
	Rc'326+00E	356+43E	LT.	3,160	1	7	1	
	357+45E	J'17+39E	LT.	1,695	2	1	8	
	J'21+25E	T'11+9E5H	LT.	1,226	2	1	3	
	T'11+9E5H	383+95E	LT.	2,272	2	3	3	
	Rc'326+00E	Rc'357+00E	RT.	3,206	1	7	1	
	Rc'358+18E	W'11+20E	LT.	1,240	2	1	3	
	1'4+50	1'4+95	LT.		3			
				12,799	13	20	19	
URBAN PORTION				12,799	(13+20+19)10			13,319
TOTAL CONTRACT: NEAT				29,057				
PROPOSAL				29,100				

ITEM 106RT - RIGHT-OF-WAY FENCING (4 FT. HIGH)

PORTION	STATION	STATION	SIDE	L.F.	POSTS			TOTALS
					END	INTR	COR.	
RURAL								
	Rc'54+00E	96+55E	LT.	4,268	2	10		
	Rc'54+00E	107+25E	RT.	4,435	2	10		
	106+25E	140+45E	LT.	3,063	2	7		
	108+15E	141+10E	RT.	3,221	2	6	2	
	141+62E	318+67E	RT.	17,635	4	40	2	
	140+95E	285+00E	LT.	14,430	4	34	3	
				47,052	16	107	7	
RURAL (TOTAL CONTRACT - 97,052 + (16+107+7)20				NEAT	49,652			
PROPOSAL				49,660				

ITEM 33 - MEDIAN BARRIER

STATION TO STATION	SIDE	ITEMS					
		33MU	33DM	33MDA	33MVA	33MUB	
RURAL PORTION							
174+95 S.B.	BRIDGE	LT.	278			1	
BRIDGE	181+69 N.B.	RT.	278			1	
TOTAL - RURAL PORTION							2
URBAN PORTION							
342+47 S.B.	BRIDGE	LT.	278			1	
BRIDGE	348+97 N.B.	RT.	278			1	
371+77 S.B.	BRIDGE	LT.	278			1	
1'ER'1+00	1'ER'6+72	RT.		575	2		
1'GR'0+34	1'GR'4+66	LT.		425	2		
358+53 N.B.	359+37 N.B.	RT.	156			1	
SUB-TOTAL - URBAN PORTION							990
TOTAL - URBAN PORTION							1,000
URBAN PORTION							
BRIDGE	378+70 N.B.	RT.	278			1	
BRIDGE	384+98 S.B.	LT.	278			1	
136+37E	SIGN STRUCTURE#5	RT.	288			2	
164+82E	SIGN STRUCTURE#6	LT.	288			2	
SUB-TOTAL - URBAN PORTION							854
TOTAL CONTRACT: NEAT							2,400
PROPOSAL							2,400

* NOTE: 2600 L.F. OF THIS QUANTITY IS INCLUDED IN THE ESTIMATE FOR RECONSTRUCTION S.H. 5274.

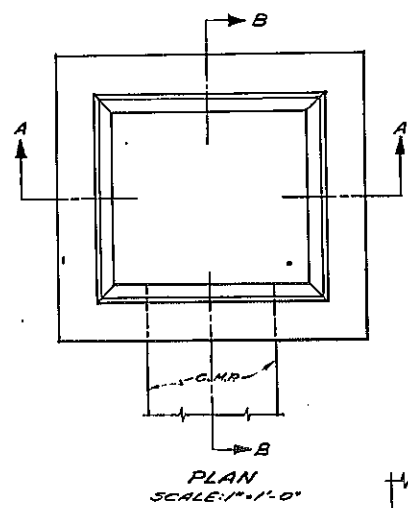
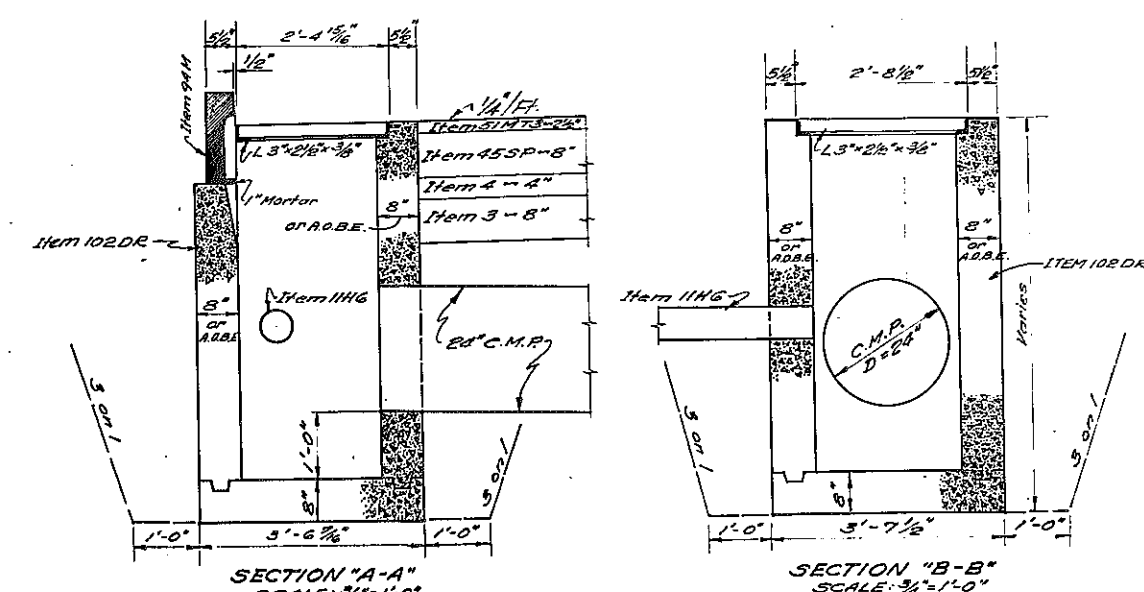
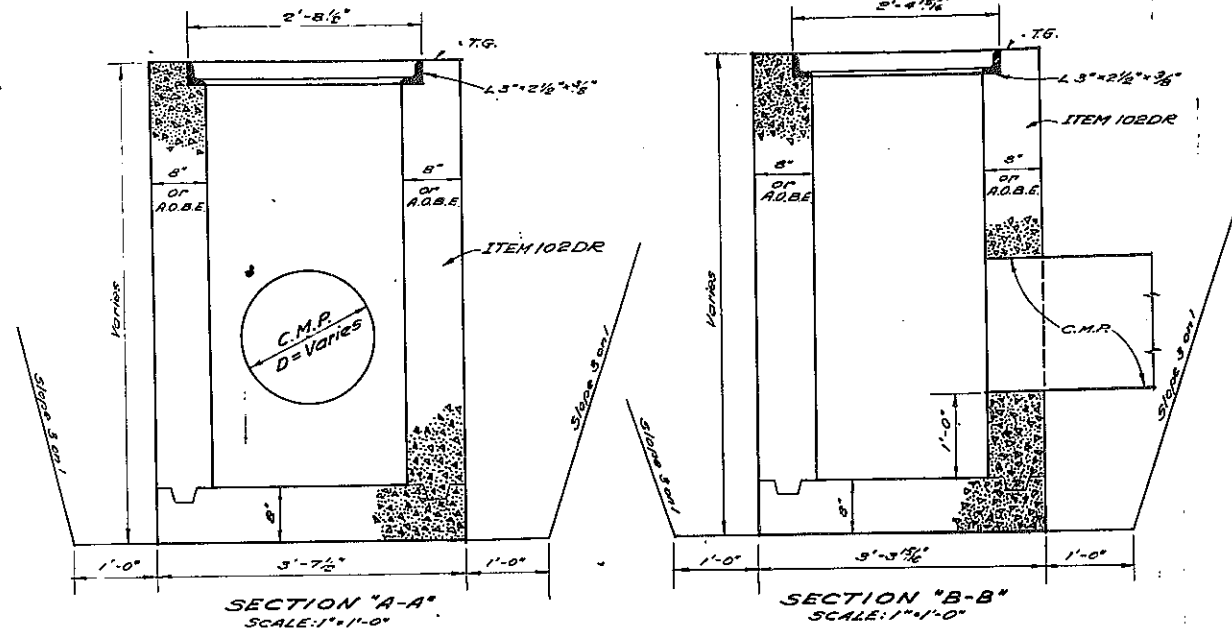
See Special Note on Sheet 75F2 regarding Corn Beam Type Guide Rail.

BOX-BEAM GUIDE RAIL

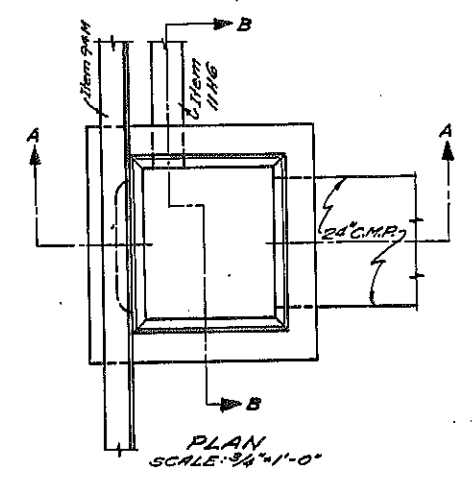
ITEM 33AD - BOX-BEAM GUIDE RAIL
 ITEM 33ADX - BOX-BEAM GUIDE RAIL (SHOP CURVED)
 ITEM 33ADDR - BOX-BEAM GUIDE RAIL END ASSEMBLY
 ITEM 33A - GUIDE POSTS (WOOD)

STATION TO STATION	SIDE	ITEM 33AD				ITEM 33ADDR		ITEM 33A	
		Parts @ 12' L.F.	Parts @ 4' L.F.	Parts @ 6' L.F.	Parts @ 8' L.F.	EQ.	EQ.	EQ.	EQ.
RURAL PORTION									
165+25 N.B.	BRIDGE	LT.	1,146	50	72			1	
165+50 S.B.	BRIDGE	RT.	1,164	50	72			1	
BRIDGE	194+56 N.B.	LT.	1,506	50	72			1	
BRIDGE	194+90 S.B.	RT.	1,494	50	72			1	
176+27 N.B.	BRIDGE	RT.		50	66			1	
BRIDGE	180+30 S.B.	LT.		50	66			1	
1'14+39E	BRIDGE	LT.	24	50	72			1	
1'14+78E	BRIDGE	RT.	24	50	72			1	
BRIDGE	1'19+02E	LT.	24	50	72			1	
BRIDGE	1'20+48E	RT.	24	50	72			1	
1'5+50E	BRIDGE	LT.	546	50	72			1	
1'5+50E	BRIDGE	RT.	510	50	72			1	
BRIDGE	1'5+181/2E	RT.	432	50	72			7	6
BRIDGE	1'5+184E	LT.	474	50	72			1	
1'9+52E	BRIDGE	RT.	624	50	72			1	
1'9+50E	BRIDGE	LT.	390	50	72			1	
BRIDGE	1'9+25+50E	RT.	1,302	50	72			1	
BRIDGE	1'6+25+48E	LT.	1,254	50	72			3	2
SUB-TOTAL			10,938	900	1,284			26	8
Post @ 4' C to C 900x12 =			1,080						
TOTAL - RURAL PORTION			12,018		1,284			26	8
URBAN PORTION									
338+10 N.B.	BRIDGE	LT.	594	50	72			1	
338+39 S.B.	BRIDGE	RT.	624	50	72			1	
BRIDGE	1'GR'5+00	LT.	222	50	312			1	
BRIDGE	1'ER'6+66	RT.	492	50	354			1	
343+72 N.B.	BRIDGE	RT.		50	66			1	
BRIDGE	1'348+92S.B.	LT.	120	50	66			1	
1'14+44	BRIDGE	LT.	2,190	50	204			1	
1'FR'2+50	BRIDGE	RT.	1,578	50	696			1	
373+25 N.B.	BRIDGE	RT.		50	66			1	
SUB-TOTAL			5,820	450	1,908			9	
Post @ 4' C to C 450x12 =			540						
SUB-TOTAL - URBAN PORTION			6,360		1,908			9	
URBAN PORTION									
BRIDGE	1'LR'9+02	RT.	528	50	336			1	
BRIDGE	1'KR'10+52	LT.	414		270	50		1	
BRIDGE	1'377+24S.B.	LT.		50					

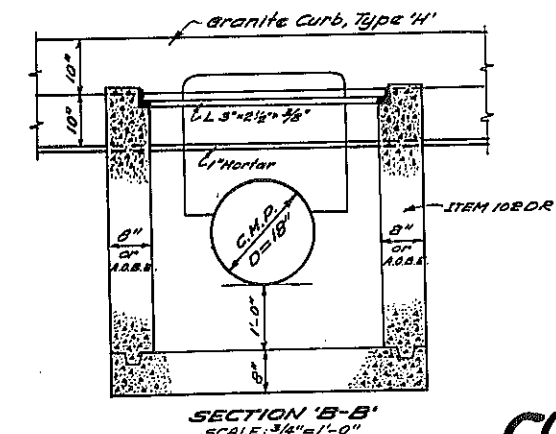
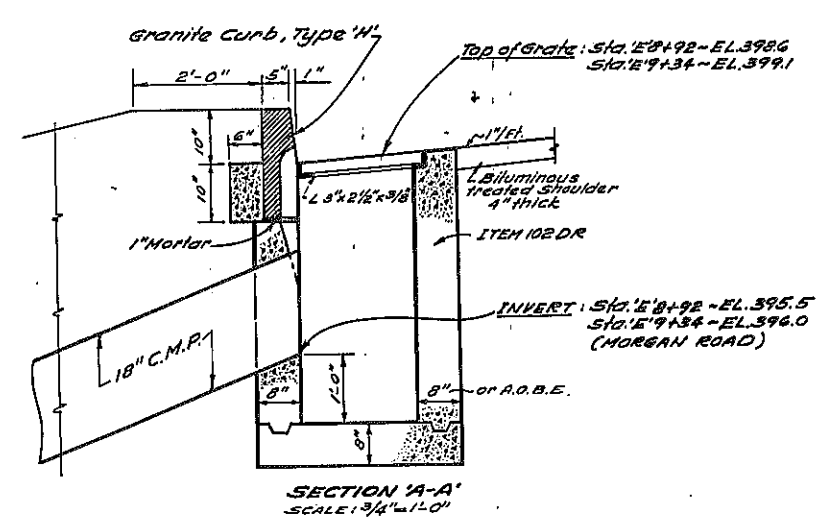
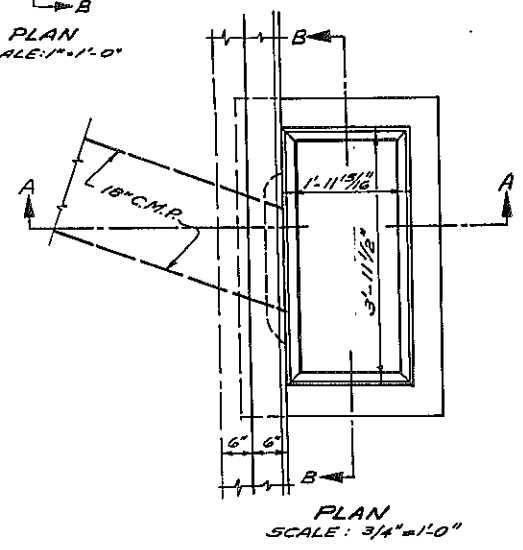
FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		40R	257
PHOENIX-SYRACUSE, S.H. 5274				
EUCLID-NORTH SYRACUSE, S.H.				
SYRACUSE-CICERO, S.H. 5470				



DROP INLET
 with Rectangular Type Frames and Grates
 No. 10 - Item 30F, See Standard Sheet 64-45B
 Frame 2'-4 1/8" x 2'-8 1/2" = 66 Lbs.
 Grate 2'-3 1/4" x 2'-7 1/2" = 116 Lbs.
 Area = 6.2 S.F.



CURB TYPE DROP INLET
 with Rectangular type Frames and Grates
 No. 10 - Item 30F, See Standard Sheet 64-45B
 STA. "J" 10+70 Lt. & Rt.
 Frame 2'-4 1/8" x 2'-8 1/2" = 66 Lbs.
 Grate 2'-3 1/4" x 2'-7 1/2" = 116 Lbs.
 Area = 6.2 S.F.



CURB TYPE DROP INLET
 with Rectangular Type Grate and Frame #5, Item 30F2
 See Standard Sheet 64-45B
 MAIN LINE (STA. 344+38 N.B. (Left) MORGAN RD. (STA. E' 8+92 (Right)
 (STA. 344+98 S.B. (Right) (STA. E' 9+34 (Left)

Frame 1'-11 3/8" x 3'-11 1/2" = 76 lbs.
 Grate 1'-10 1/16" x 3'-10 1/2" = 151 lbs.
 Area = 7.5 S.F.

CULVERT DETAILS

See Final Book for As-Built Locations.

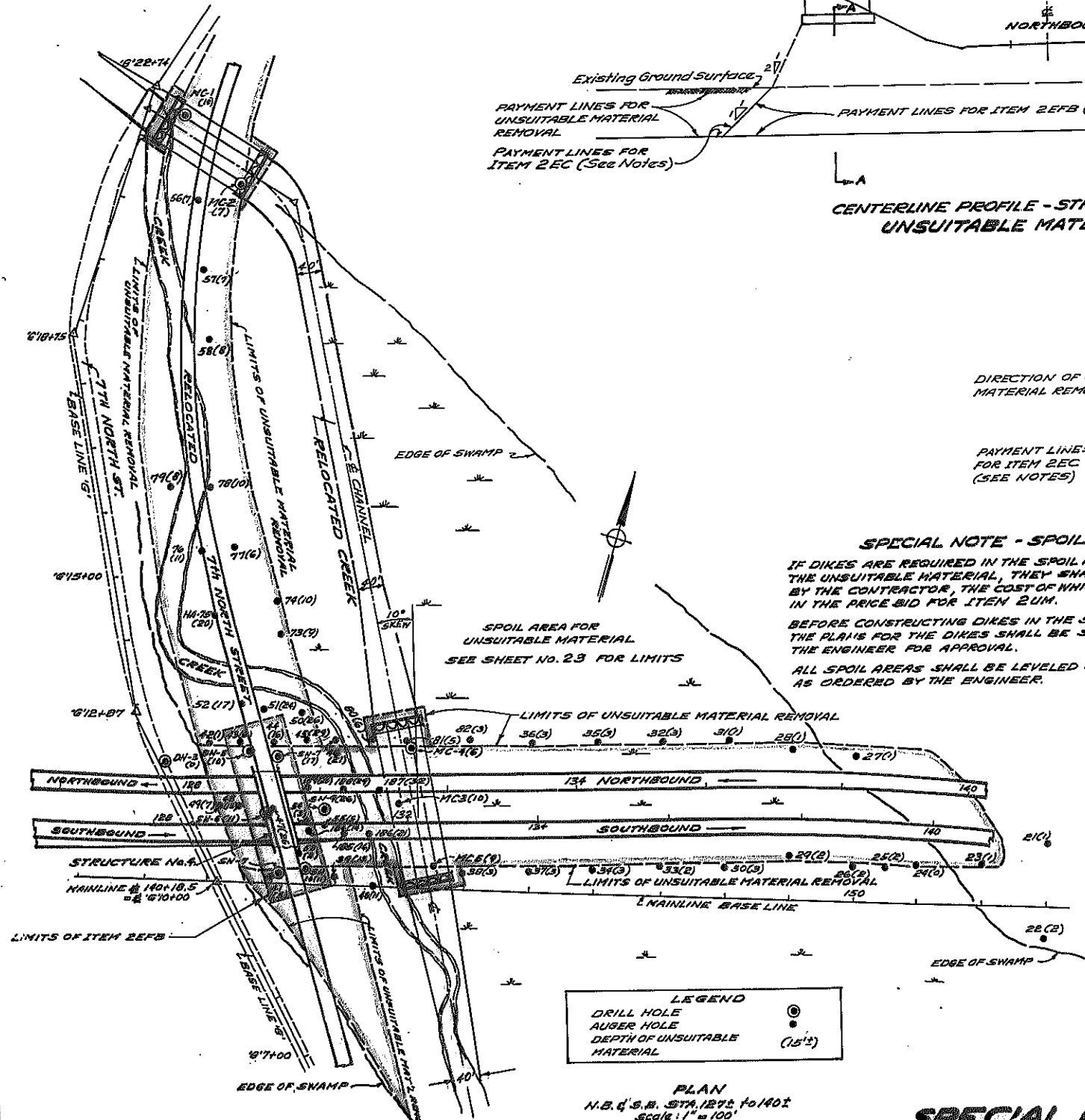
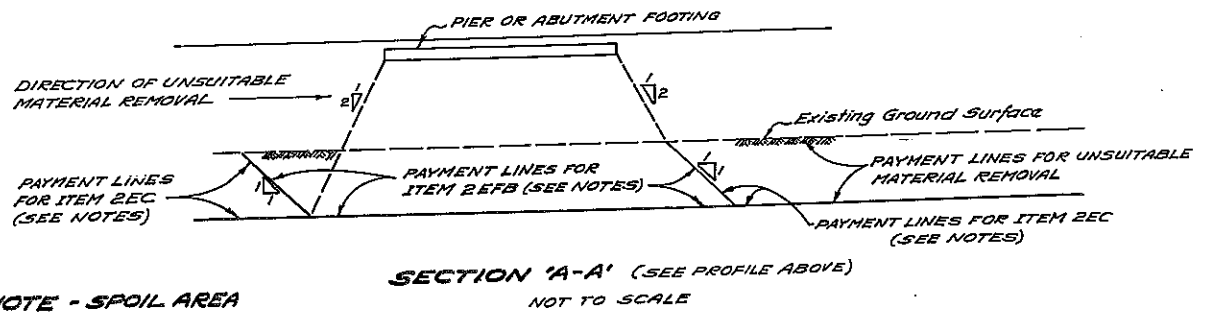
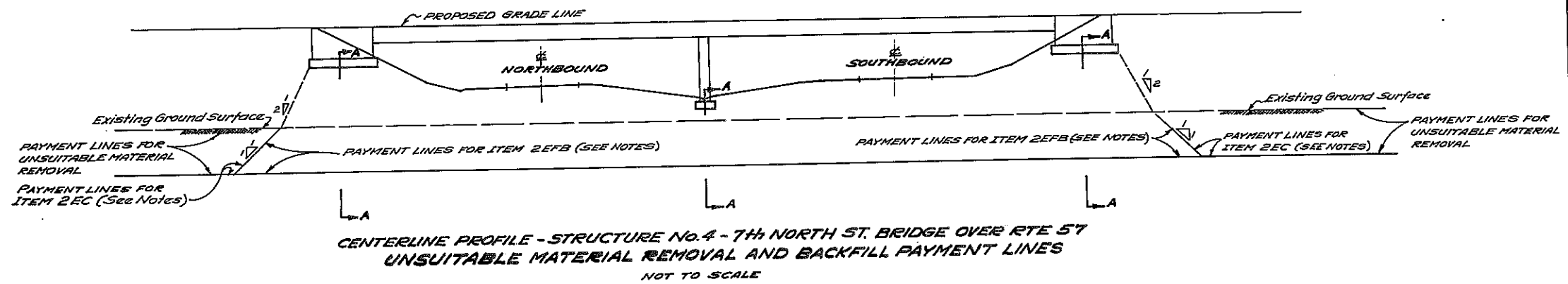
Made by Alex. Bolte
 Checked by John C. Shuman
 Traced by Alex. Bolte
 Checked by E. Vachet



SH 69-5 RC 69-102

FED. RD. RES. No.	STATE	FEDERAL AID PROJECT No.	SHEET No.	TOTAL SHEETS
1	N.Y.		41	257

EUCLID - NORTH SYRACUSE, S.H.



SPECIAL NOTE - SPOIL AREA
IF DIKES ARE REQUIRED IN THE SPOIL AREAS TO CONTAIN THE UNSUITABLE MATERIAL, THEY SHALL BE FURNISHED BY THE CONTRACTOR, THE COST OF WHICH WILL BE INCLUDED IN THE PRICE BID FOR ITEM 2UM.
BEFORE CONSTRUCTING DIKES IN THE SPOIL AREA THE PLANS FOR THE DIKES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
ALL SPOIL AREAS SHALL BE LEVELED AND GRADED AS ORDERED BY THE ENGINEER.

CONSTRUCTION NOTES FOR REMOVAL OF UNSUITABLE MATERIAL

GENERAL

- Excavate the Unsuitable Material to the Limits shown.
- Where culverts are to be located in areas of Unsuitable Material Removal, the Lateral Limits of Excavation shall be extended for a distance of 10 feet beyond the Ends of the Pipes and 10 feet on both sides of the Pipes.
- Backfill with Item 2EC or 2EFB where applicable, to an Elevation of two feet above the water surface existing at the time of construction.
- Refer to Standard Structure Sheet Numbered 68-19A or 67-19 for Installation Details and Payment Lines for Items 5T and 2EF-B placed around Pipes where proposed in the Swamps.
- Unsuitable Material Excavation and Backfill operations shall be progressed parallel to the Roadway Centerlines in one direction only across the Swamps.
- Do not dewater the Excavations.
- Unsuitable Material shall not be placed on the Swamp Surface within 50 feet of an open Excavation or an area scheduled to be excavated.
- Allow a minimum one month waiting period at Subgrade Elevation in all Areas of Unsuitable Material Removal prior to paving.

STRUCTURE No. 4 (7th NORTH STREET, BRIDGE OVER RTE 57)

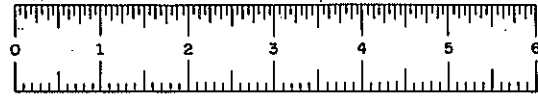
- The Lateral Limits of Item 2EC and 2EFB Backfill for this Area are shown on the centerline Profile for Structure No. 4 and on Section A-A.
- Excavations and Backfill Operations shall be progressed along the Mainline prior to construction of 7th North Street. Excavation and Backfill Operations for 7th North Street shall be progressed from both sides of the Mainline to the Edges of the Swamp.

LEGEND

DRILL HOLE	⊙
AUSER HOLE	⊙
DEPTH OF UNSUITABLE MATERIAL	(15'±)

**SPECIAL FOUNDATION TREATMENT DETAIL
7th NORTH STREET**

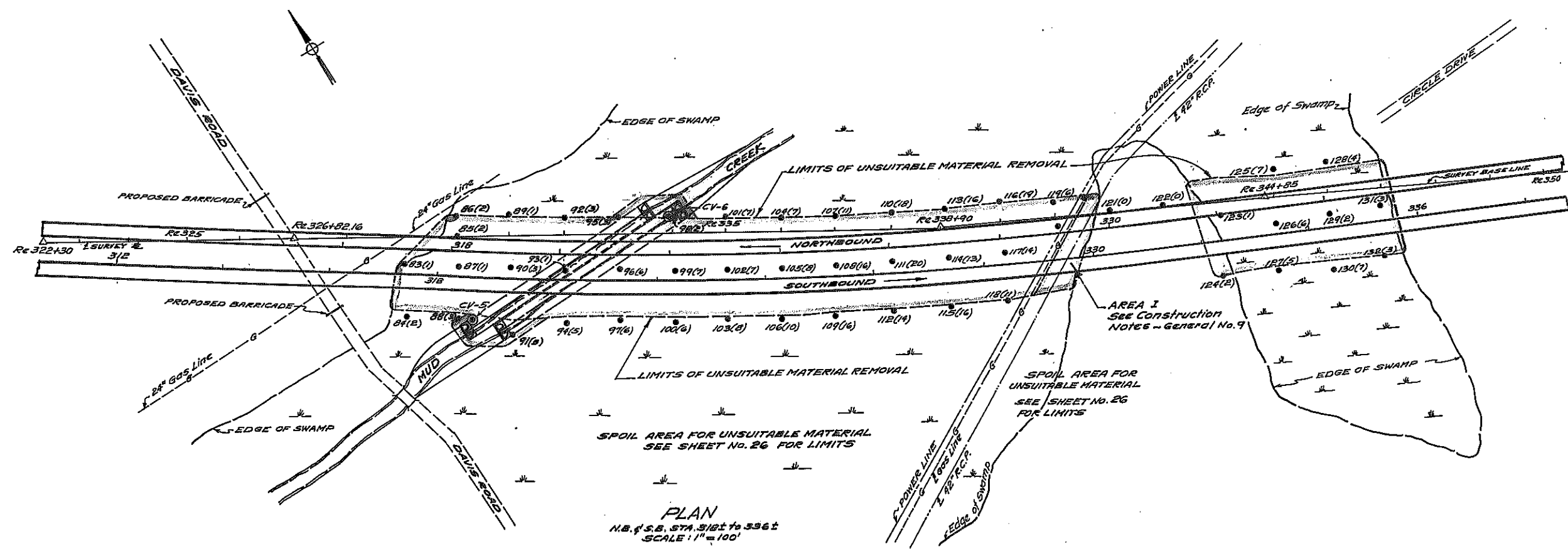
MADE BY: *John C. Shannon*
 CHECKED BY: *E. Sculisto*
 TRACED BY: *E. Sculisto*
 CHECKED BY: *John C. Shannon*



SH 69-5 RC 69-102

FED. RD. PROJ. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		42	257

EUCLID-NORTH SYRACUSE, S.H.



LEGEND	
DRILL HOLE	⊙
AUGER HOLE	⊙
DEPTH OF UNSUITABLE MATERIAL	(13'±)

SPECIAL NOTE - SPOIL AREA

IF DIKES ARE REQUIRED IN THE SPOIL AREAS TO CONTAIN THE UNSUITABLE MATERIAL, THEY SHALL BE FURNISHED BY THE CONTRACTOR, THE COST OF WHICH WILL BE INCLUDED IN THE PRICE BID FOR ITEM 210. BEFORE CONSTRUCTING DIKES IN THE SPOIL AREA THE PLANS FOR THE DIKES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. ALL SPOIL AREAS SHALL BE LEVELED AND GRADED AS ORDERED BY THE ENGINEER.

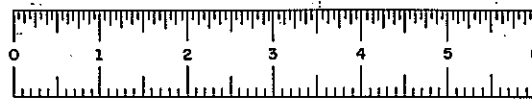
CONSTRUCTION NOTES FOR REMOVAL OF UNSUITABLE MATERIAL

GENERAL

1. Excavate the Unsuitable Material to the Limits shown.
2. Where Culverts are to be located in Areas of Unsuitable Material Removal, the Lateral Limits of Excavation shall be extended for a distance of 10 Feet beyond the Ends of the Pipes and 10 feet on both sides of the Pipes.
3. Backfill with Item 2EC or 2EFB where applicable, to an Elevation of two feet above the water surface existing at the time of Construction.
4. Refer to Standard Structure Sheets Numbered 68-19A or 67-19 for Installation Details and Payment Lines for Items 5T and 2EFB placed around Pipes where proposed in the swamps.
5. Unsuitable Material Excavation and Backfill Operations shall be progressed parallel to the Roadway Centerlines in one direction only across the swamps.
6. Do not dewater the Excavations.
7. Unsuitable Material shall not be placed on the swamp surface within 50 feet of an open Excavation or an Area scheduled to be Excavated.
8. Allow a minimum one month waiting period at Subgrade Elevation in all Areas of Unsuitable Material Removal prior to Paving.
9. Remove Unsuitable Material for 20' on each side of the 42" R.C.P. Sanitary Sewer simultaneously and backfill with Item 2EC parallel to the Sanitary Sewer Pipe. Care shall be taken so as not to disturb the Sanitary Sewer. It shall be exposed on both ends of the Excavation so that its exact Location will be known before the Removal and Backfill operation in this Area is started.

SPECIAL FOUNDATION TREATMENT DETAIL
DAVIS ROAD AREA

MADE BY *E. Saultet* CHECKED BY *E. Saultet* TRACED BY *J. P. Shannon* CHECKED BY *J. P. Shannon*



FED. ROAD REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N. Y.		43	257

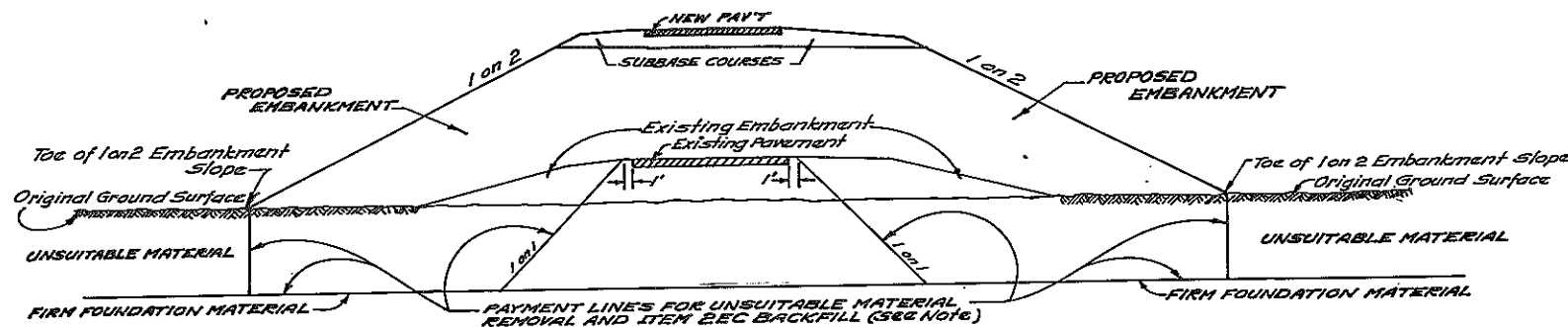
EUCLID-NORTH SYRACUSE, S.H.

SPECIAL NOTE - SPOIL AREA

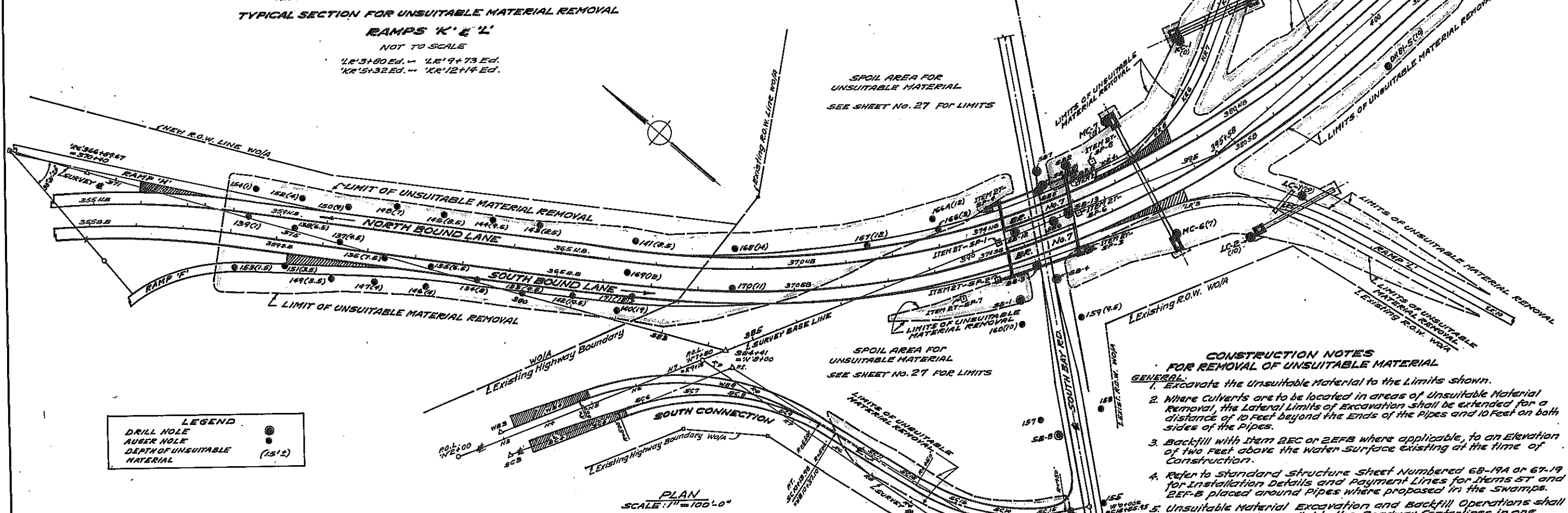
IF DIKES ARE REQUIRED IN THE SPOIL AREAS TO CONTAIN THE UNSUITABLE MATERIAL, THEY SHALL BE FURNISHED BY THE CONTRACTOR, THE COST OF WHICH WILL BE INCLUDED IN THE PRICE BID FOR ITEM 201.

BEFORE CONSTRUCTING DIKES IN THE SPOIL AREA THE PLANS FOR THE DIKES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

ALL SPOIL AREAS SHALL BE LEVELED AND GRADED AS ORDERED BY THE ENGINEER.



SPOIL AREA FOR UNSUITABLE MATERIAL
 SEE SHEET NO. 27 FOR LIMITS



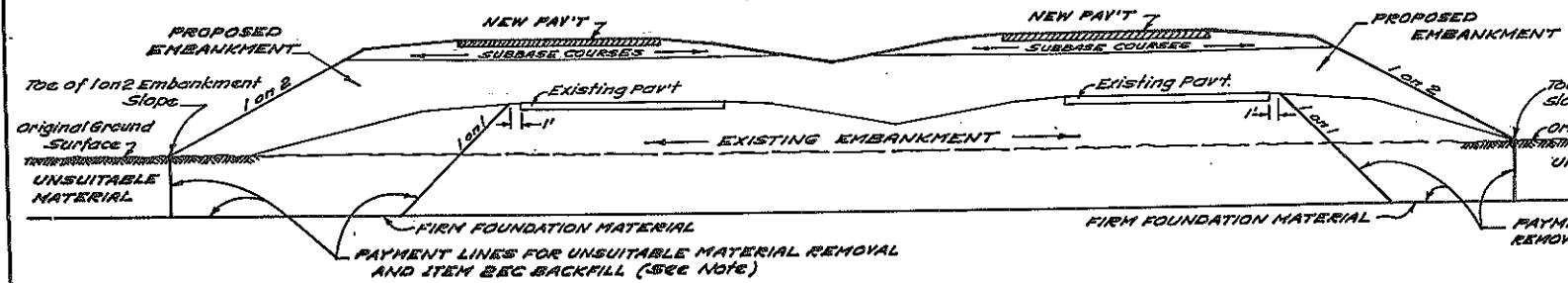
LEGEND

DRILL HOLE	●
AUGER HOLE	○
DEPTH OF UNSUITABLE MATERIAL	(15'±)

CONSTRUCTION NOTES FOR REMOVAL OF UNSUITABLE MATERIAL

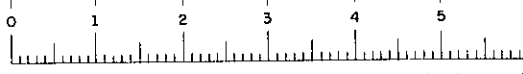
- GENERAL:**
- Excavate the unsuitable material to the Limits shown.
 - Where Culverts are to be located in areas of Unsuitable Material Removal, the Lateral Limits of Excavation shall be extended for a distance of 10 feet beyond the Ends of the Pipes and 10 feet on both sides of the Pipes.
 - Backfill with Item 2EC or 2EFB where applicable, to an Elevation of two feet above the water surface existing at the time of Construction.
 - Refer to Standard Structure Sheet Numbered 68-19A or 67-19 for Installation Details and Payment Lines for Items 5T and 2EFB placed around Pipes where proposed in the Swamps.
 - Unsuitable Material Excavation and Backfill Operations shall be progressed parallel to the Roadway Centerlines in one direction only across the swamps.
 - Do not dewater the Excavations.
 - Unsuitable Material shall not be placed on the Swamp Surface within 50 feet of an open Excavation or an area scheduled to be excavated.
 - Allow a minimum waiting period of two months at Elevation 397 or at subgrade Elevation which ever is lower. The Embankments may then be completed to subgrade Elevation where applicable with no rate restrictions.
 - Allow a minimum one month waiting period at subgrade Elevation in all areas of Unsuitable Material Removal prior to paving.
 - Install settlement platforms at S.B. Sta. 373+50 - 70'± and at S.B. Sta. 377+00 - 110'±.

Refer to Standard Structure sheet No. 67-13D for Installation Details of settlement Platforms. See Bridge Plan for Location of settlement Platforms SP-1 thru SP-6.



IN CHARGE OF
 DESIGNED BY
 ESTIMATE BY

SPECIAL FOUNDATION TREATMENT DETAIL

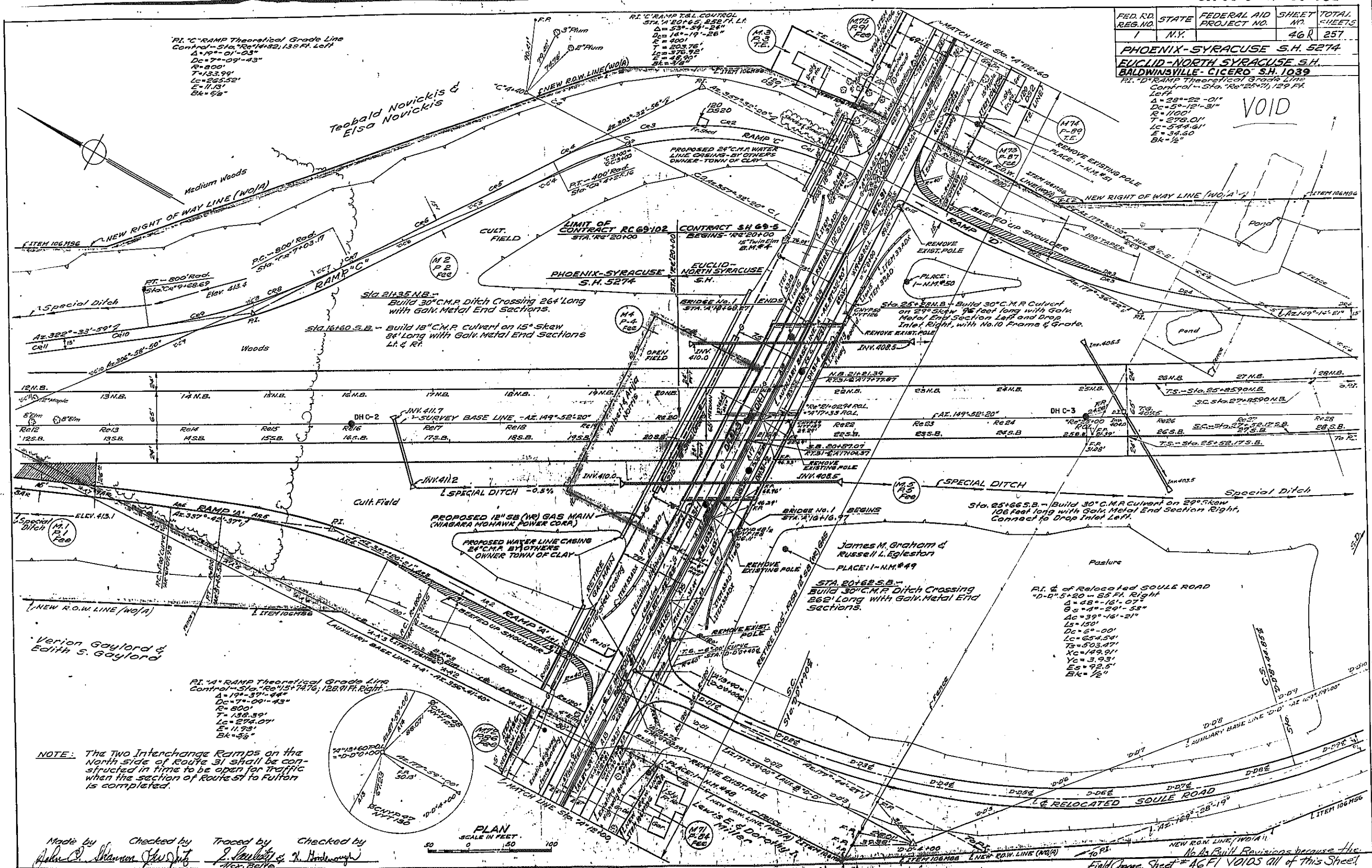


FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		46R	257

PHOENIX-SYRACUSE S.H. 5274
 EUCLID-NORTH SYRACUSE S.H.
 BALDWINVILLE-CICERO S.H. 1039

RI "D" RAMP Theoretical Grade Line
 Control - Sta. 10+00, 129.91 Ft. Right
 Δ = 28°-22'-01"
 Dc = 5°-12'-31"
 R = 1100'
 T = 276.01'
 Lc = 544.61'
 E = 34.60'
 Bk = 1/2"

VOID

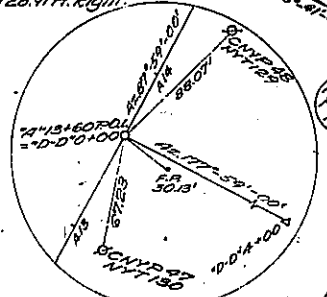


RI "C" RAMP Theoretical Grade Line
 Control - Sta. 10+00, 139.91 Ft. Left
 Δ = 19°-01'-23"
 Dc = 7°-09'-43"
 R = 800'
 T = 133.99'
 Lc = 265.52'
 E = 11.13'
 Bk = 9/8"

RI "C" RAMP Theoretical Grade Line
 Control - Sta. 10+00, 139.91 Ft. Left
 Δ = 53°-54'-24"
 Dc = 14°-19'-26"
 R = 400'
 T = 208.76'
 Lc = 376.92'
 E = 46.90'
 Bk = 3/8"

RI "A" RAMP Theoretical Grade Line
 Control - Sta. 10+00, 129.91 Ft. Right
 Δ = 19°-01'-23"
 Dc = 7°-09'-43"
 R = 800'
 T = 133.99'
 Lc = 274.07'
 E = 11.93'
 Bk = 9/8"

NOTE: The Two Interchange Ramps on the North side of Route 31 shall be constructed in time to be open for traffic when the section of Route 51 to Fulton is completed.



PLAN SCALE IN FEET 1" = 50'

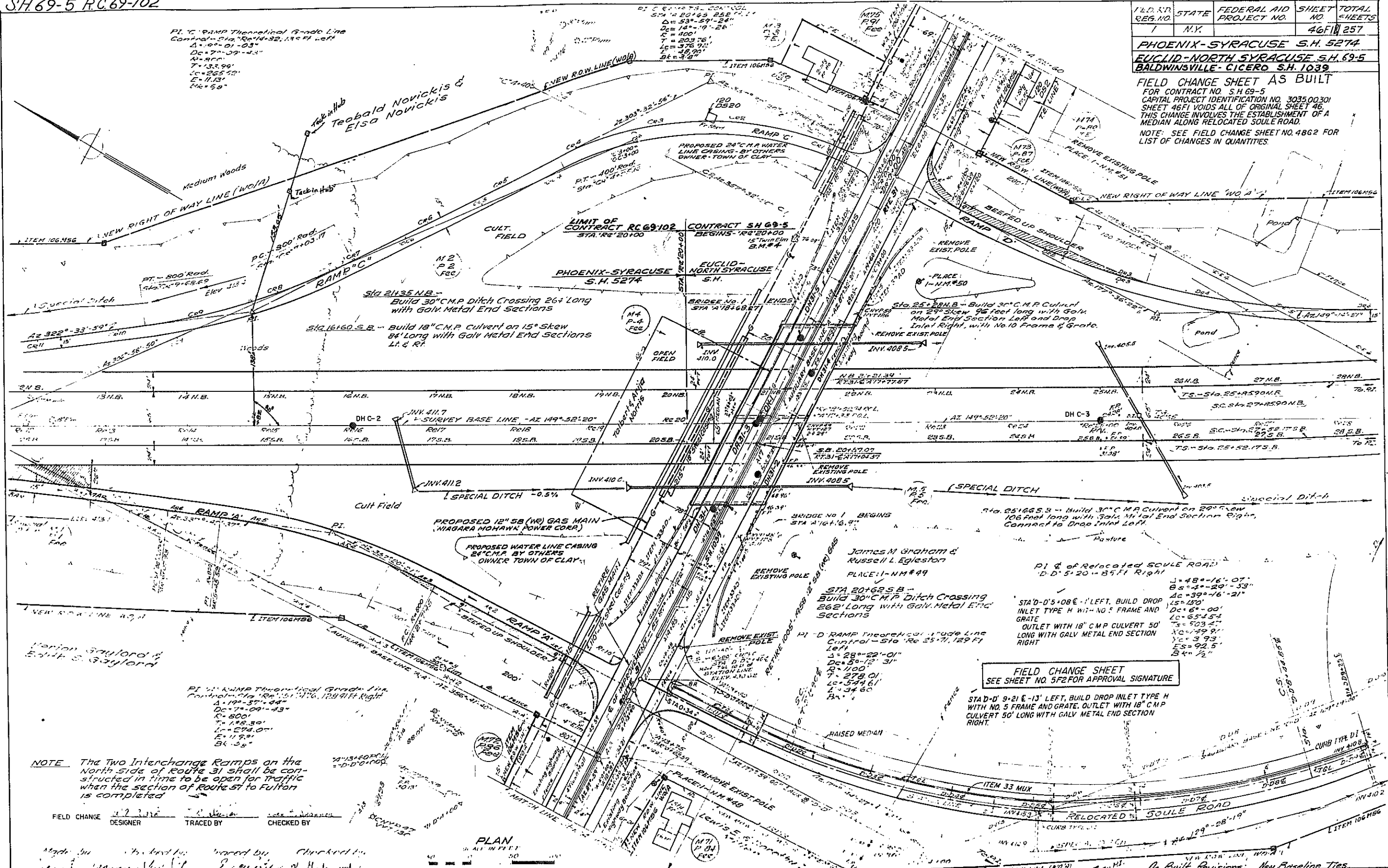
Made by: *John P. Shannon*
 Checked by: *Shannon*
 Traced by: *J. Paul*
 Checked by: *J. Paul*

No. 10 Built Revisions because the Field Change Sheet # 46 F1 VOIDS all of this Sheet

F.D.R. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		46F1	257

PHOENIX-SYRACUSE S.H. 5274
 EUCLID-NORTH SYRACUSE S.H. 69-5
 BALDWINVILLE-CICERO S.H. 1039

FIELD CHANGE SHEET AS BUILT
 FOR CONTRACT NO. S.H. 69-5
 CAPITAL PROJECT IDENTIFICATION NO. 3035.00.301
 SHEET 46F1 VOIDS ALL OF ORIGINAL SHEET 46.
 THIS CHANGE INVOLVES THE ESTABLISHMENT OF A MEDIAN ALONG RELOCATED SOULE ROAD.
 NOTE: SEE FIELD CHANGE SHEET NO. 4862 FOR LIST OF CHANGES IN QUANTITIES.

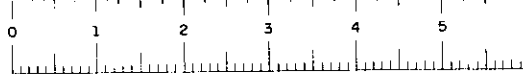


FIELD CHANGE SHEET
 SEE SHEET NO. 5F2 FOR APPROVAL SIGNATURE

NOTE The Two Interchange Ramps on the North Side of Route 31 shall be constructed in time to be open for traffic when the section of Route 31 to Fulton is completed

FIELD CHANGE DESIGNER TRACED BY CHECKED BY

Made by: [Signature]
 Checked by: [Signature]



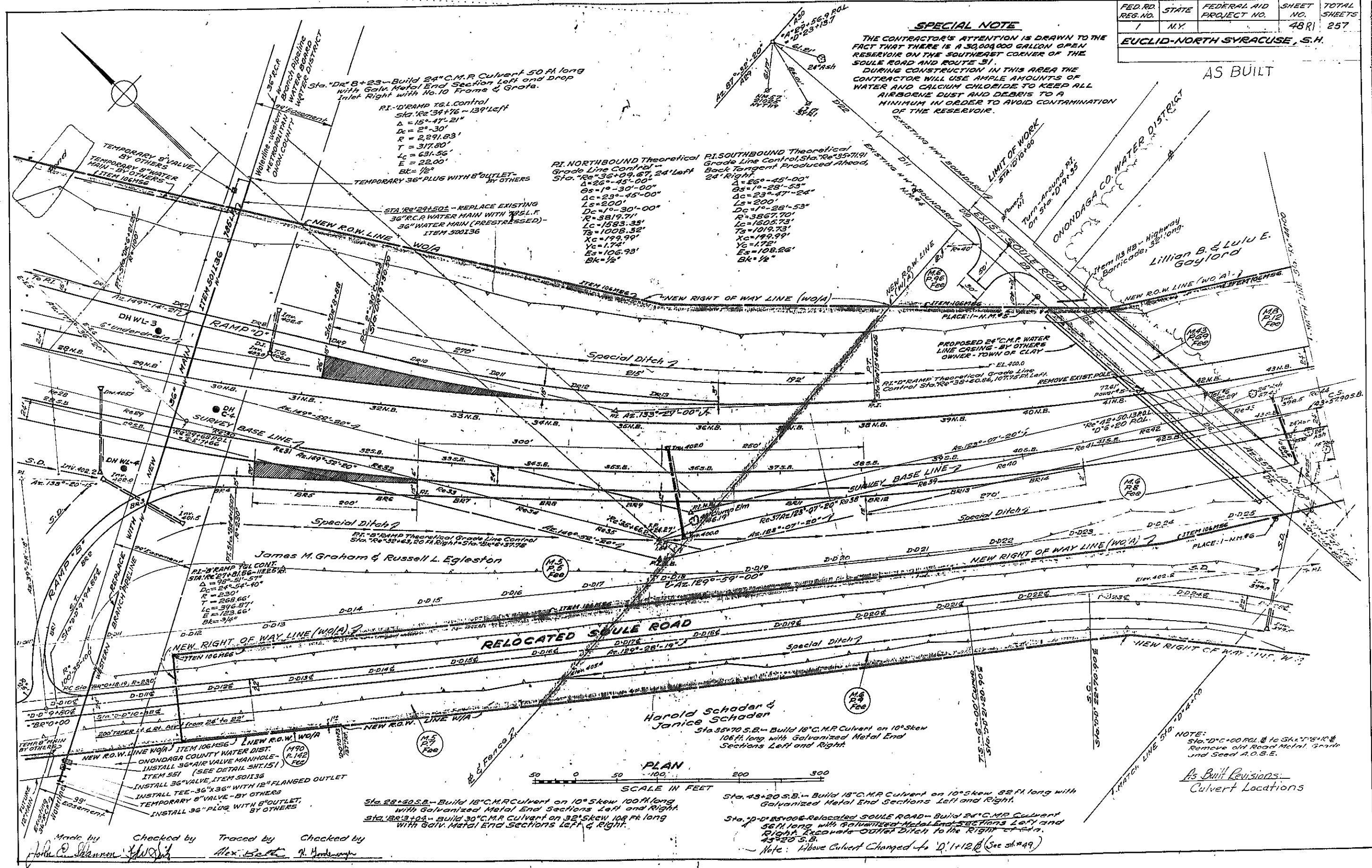
FED. RD. RES. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		48R1	257

EUCLID-NORTH SYRACUSE, S.H.

SPECIAL NOTE

THE CONTRACTOR'S ATTENTION IS DRAWN TO THE FACT THAT THERE IS A 30,000 GALLON OPEN RESERVOIR ON THE SOUTHEAST CORNER OF THE SOULE ROAD AND ROUTE 31. DURING CONSTRUCTION IN THIS AREA THE CONTRACTOR WILL USE AMPLIFIED AMOUNTS OF WATER AND CALCIUM CHLORIDE TO KEEP ALL AIRBORNE DUST AND DEBRIS TO A MINIMUM IN ORDER TO AVOID CONTAMINATION OF THE RESERVOIR.

AS BUILT

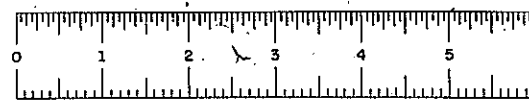


PLAN
SCALE IN FEET
0 50 100 200 300

- Sta. 28+60 S.B. - Build 18" C.M.P. Culvert on 10° Skew 100 ft long with Galvanized Metal End Sections Left and Right.
- Sta. 28+04 - Build 30" C.M.P. Culvert on 32° Skew 100 ft long with Galv. Metal End Sections Left & Right.
- Sta. 43+20 S.B. - Build 18" C.M.P. Culvert on 10° Skew 82 ft long with Galvanized Metal End Sections Left and Right.
- Sta. 20+8500 - Relocated SOULE ROAD - Build 24" C.M.P. Culvert 56 ft long with Galvanized Metal End Sections Left and Right. Excavate Outlet Ditch to the Right of Sta. 43+20 S.B. Note: Above Culvert Changed to D.1+12 (See Sta. 49).

Made by: John P. Shannon
Checked by: Alex. B. [Signature]
Traced by: Alex. B. [Signature]
Checked by: R. [Signature]

NOTE: Sta. 28+00 P.O.L. to Sta. 28+10
Remove old Road Metal, Grate and Seed A.O.S.E.
As Built Revisions:
Culvert Locations



FED. RD. RES. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		48 FI	257

EUCLID-NORTH SYRACUSE, S.H.

FIELD CHANGE SHEET

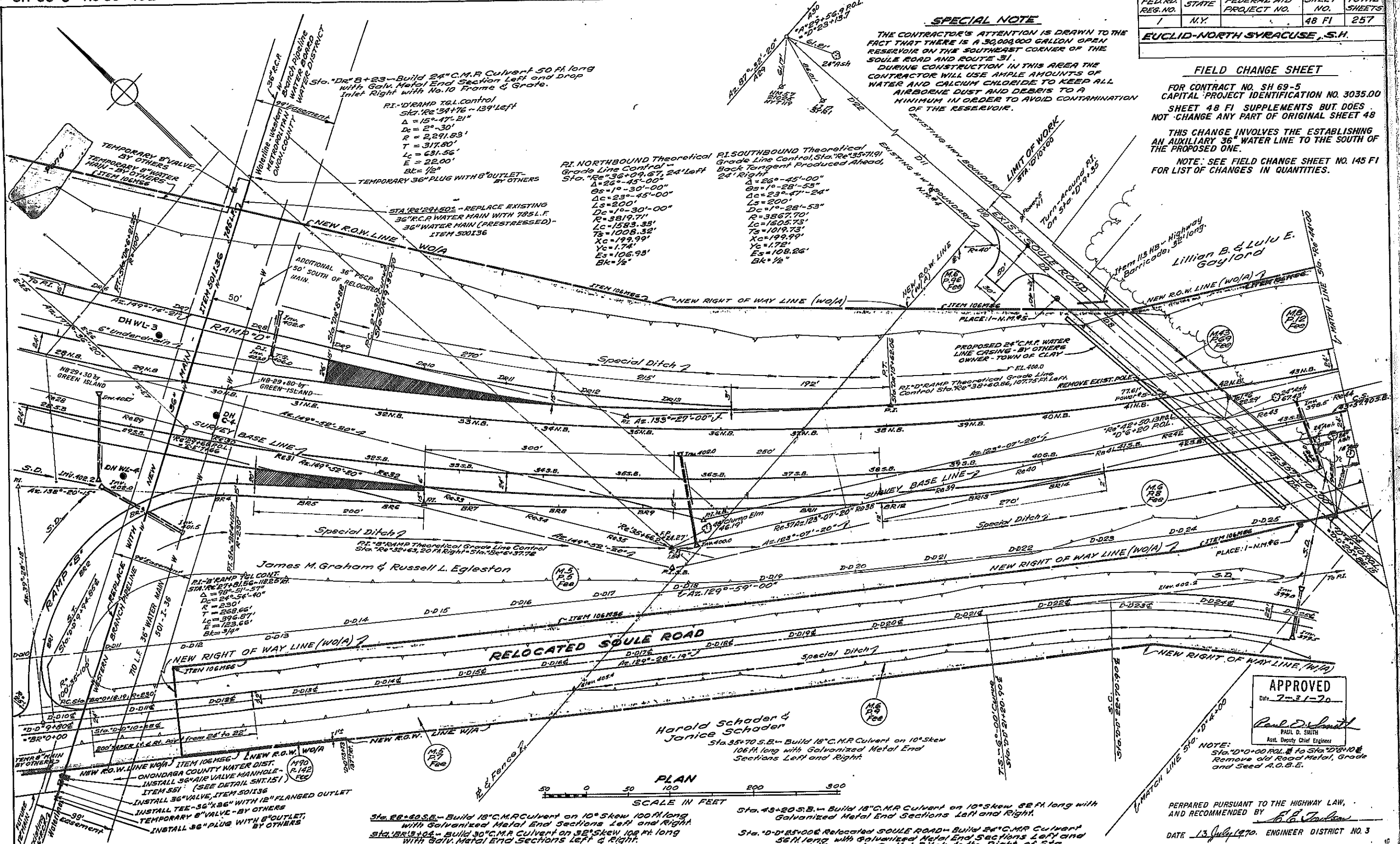
FOR CONTRACT NO. SH 69-5
CAPITAL PROJECT IDENTIFICATION NO. 3035.00
SHEET 48 FI SUPPLEMENTS BUT DOES NOT CHANGE ANY PART OF ORIGINAL SHEET 48

THIS CHANGE INVOLVES THE ESTABLISHING AN AUXILIARY 36" WATER LINE TO THE SOUTH OF THE PROPOSED ONE.

NOTE: SEE FIELD CHANGE SHEET NO. 145 FI FOR LIST OF CHANGES IN QUANTITIES.

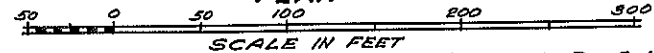
SPECIAL NOTE

THE CONTRACTOR'S ATTENTION IS DRAWN TO THE FACT THAT THERE IS A 30,000 GALLON OPEN RESERVOIR ON THE SOUTHEAST CORNER OF THE SOULE ROAD AND ROUTE 31. DURING CONSTRUCTION IN THIS AREA THE CONTRACTOR WILL USE AMPLIFIED AMOUNTS OF WATER AND CALCIUM CHLORIDE TO KEEP ALL AIRBORNE DUST AND DEBRIS TO A MINIMUM IN ORDER TO AVOID CONTAMINATION OF THE RESERVOIR.



PLAN

SCALE IN FEET



APPROVED
Date: 7-31-70
Paul D. Smith
Asst. Deputy Chief Engineer

NOTE: Sta. D-0+00 P.O.L. to Sta. D-0+00 Remove old Road Metal, Grade and Seed A.O.B.E.

PREPARED PURSUANT TO THE HIGHWAY LAW, AND RECOMMENDED BY

DATE 13 July 1970. ENGINEER DISTRICT NO. 3

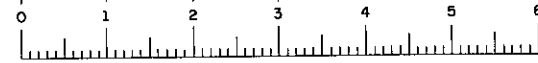
Made by: John P. Shannon
Checked by: Alex. Bell
Traced by: K. H. Hordman
Checked by: T. Kirwan
DESIGNER

Harold Schoder & Janice Schoder
Sta. 35+70 S.B. - Build 18" C.M.R. Culvert on 10° Skew 106 ft long with Galvanized Metal End Sections Left and Right.

Sta. 28+00 S.B. - Build 18" C.M.R. Culvert on 10° Skew 100 ft long with Galvanized Metal End Sections Left and Right.

Sta. 18+04 - Build 30" C.M.R. Culvert on 35° Skew 100 ft long with Galv. Metal End Sections Left & Right.

Checked by: John P. Shannon
Traced by: Alex. Bell
Checked by: K. H. Hordman



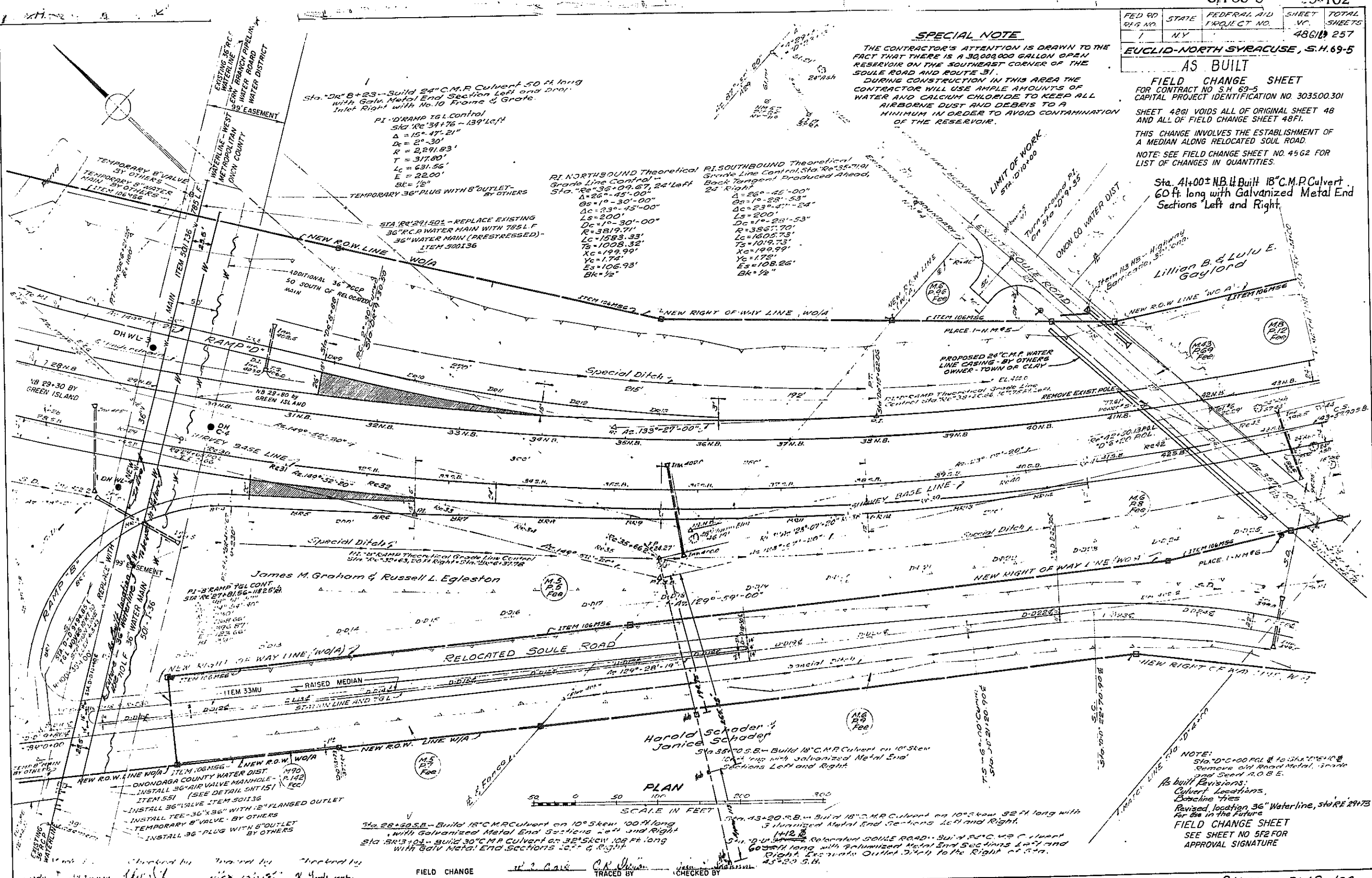
FED. RD. DIST. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
7	N.Y.		486	257

EUCLID-NORTH SYRACUSE, S.H. 69-5
AS BUILT

SPECIAL NOTE
THE CONTRACTOR'S ATTENTION IS DRAWN TO THE FACT THAT THERE IS A 30,000 GALLON OPEN RESERVOIR ON THE SOUTHEAST CORNER OF THE SOUL ROAD AND ROUTE 31. DURING CONSTRUCTION IN THIS AREA THE CONTRACTOR WILL USE AMPLIFIED AMOUNTS OF WATER AND CALCIUM CHLORIDE TO KEEP ALL AIRBORNE DUST AND DEBRIS TO A MINIMUM IN ORDER TO AVOID CONTAMINATION OF THE RESERVOIR.

FIELD CHANGE SHEET
FOR CONTRACT NO. S.H. 69-5
CAPITAL PROJECT IDENTIFICATION NO. 3035.00.301
SHEET 486I VOIDS ALL OF ORIGINAL SHEET 48 AND ALL OF FIELD CHANGE SHEET 48F1.
THIS CHANGE INVOLVES THE ESTABLISHMENT OF A MEDIAN ALONG RELOCATED SOUL ROAD.
NOTE: SEE FIELD CHANGE SHEET NO. 4962 FOR LIST OF CHANGES IN QUANTITIES.

Sta. 41+00± NB. #1 Built 18" C.M.P. Culvert 60 ft. long with Galvanized Metal End Sections Left and Right.



PLAN

SCALE IN FEET

NOTE:
Sta. 21+00 P.C. to Sta. 21+00 E.O.B. Remove Old Road Metal, Grade and Seed A.O.B.E.
As built Revisions:
Culvert Locations,
Baseline Ties
Revised location 36" Waterline, Sta. 29+75 for use in the future
FIELD CHANGE SHEET
SEE SHEET NO. 52 FOR APPROVAL SIGNATURE

PI NORTHBOUND Theoretical Grade Line Control - Sta. 36+09.67, 24' Left
 $\Delta = 26^\circ - 45' - 00''$
 $Bs = 19' - 30' - 00''$
 $Dc = 230' - 45' - 00''$
 $Ls = 200'$
 $Ds = 10' - 30' - 00''$
 $R = 3819.71'$
 $Lc = 1583.33'$
 $Ts = 1008.33'$
 $Xc = 199.99'$
 $Yc = 1.74'$
 $Es = 106.93'$
 $Bk = 1/2"$

PI SOUTHBOUND Theoretical Grade Line Control - Sta. 36+09.67, 24' Right
 $\Delta = 26^\circ - 45' - 00''$
 $Bs = 19' - 30' - 00''$
 $Dc = 230' - 45' - 00''$
 $Ls = 200'$
 $Ds = 10' - 30' - 00''$
 $R = 3819.71'$
 $Lc = 1583.33'$
 $Ts = 1008.33'$
 $Xc = 199.99'$
 $Yc = 1.74'$
 $Es = 106.93'$
 $Bk = 1/2"$

James M. Graham & Russell L. Egleston
 PI-B RAMP TGL CONT. STA. 27+81.56
 $\Delta = 15^\circ - 47' - 21''$
 $Dc = 2^\circ - 30'$
 $R = 2291.83'$
 $T = 317.60'$
 $Lc = 631.56'$
 $E = 22.00'$
 $Bk = 1/2"$

Harold Schoder & Janice Schoder
 Sta. 35+05.84 - Build 18" C.M.P. Culvert on 10° Skew 52 ft. long with 3 ft. Galvanized Metal End Sections Left and Right.

Sta. 28+60.58 - Build 18" C.M.P. Culvert on 10° Skew 100 ft. long with Galvanized Metal End Sections Left and Right.
 Sta. 38+13.04 - Build 30" C.M.P. Culvert on 32° Skew 108 ft. long with Galv Metal End Sections Left and Right.

FED. ROAD REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		4862	
EUCLID-NORTH SYRACUSE, S.H. 69-5				

AS BUILT
 FIELD CHANGE SHEET
 FOR CONTRACT NO. 69-5
 CAPITAL PROJECT IDENTIFICATION NO. 3035.00301
 FIELD CHANGE SHEET 4862 SUPPLEMENTS BUT
 DOES NOT CHANGE ANY PART OF FIELD CHANGE
 SHEET 4861.

THIS CHANGE INVOLVES THE ESTABLISHMENT OF A
 MEDIAN ALONG RELOCATED SOULE ROAD.

CHANGE IN QUANTITIES S.H. 69-5 R.C. 69-102

ITEM	DESCRIPTION	UNIT	INCREASE	DECREASE
2	UNCLASSIFIED EXCAVATION	C.Y.	3160	
3	SUBBASE COURSE GRANULAR MATERIAL	C.Y.	2070	
4	SUBBASE COURSE, SELECT GRANULAR MATERIAL	C.Y.	520	
33MU	MEDIAN BARRIER	L.F.	846	
33MUA	MEDIAN BARRIER-END ASSEMBLIES, TYPE A	E.A.	4	
45SP	BASE COURSE ASPHALT CONCRETE, TYPE IA	TON	646	
5IMF	ASPHALT CONCRETE	TON	238	
5IMZ	ASPHALT CONCRETE	TON	35	
* 5IM	ASPHALT CONCRETE	TON	282	
* 59WWB	BITUMINOUS STABILIZED COURSE (INCLUDING SHOULDERS)	C.Y.	55	
60S	SURF. TEXT. & COLOR CONTRAST FOR STABILIZED SHOULDERS	S.Y.	570	
68	BITUMINOUS MATERIAL "A"	GAL.	870	
70B	BITUMINOUS MATERIAL "A" EMULSION	GAL.	225	
94M	OPTIONAL CURB (TYPE C)	L.F.	3450	
* 47OX25	GUIDE SIGN OPTIONAL (35.0 S.F.)	E.A.	1	
* 47OX26	GUIDE SIGN OPTIONAL (35.0 S.F.)	E.A.	1	
473M30	TRAFFIC SIGN	E.A.	2	
* 473M33	TRAFFIC SIGN	E.A.	2	
473-51	TRAFFIC SIGN	E.A.	1	
2EF-B	SELECTED GRANULAR FILL	C.Y.	50	
5T	TRENCH & CULVERT EXCAVATION	C.Y.	55	
8	PREPARING FINE GRADE	S.Y.	3450	
11-18	ROUND CORRUGATED METAL PIPE, 18" DIA., 16 GAGE	L.F.	100	
11ES18	GALVANIZED METAL END SECTIONS, 18" DIA.	E.A.	2	
30F2	FRAMES & GRATES -FABRICATED (75 S.F.)	S.F.	15.0	
33MUX	BOX BEAM MEDIAN BARRIER (SHOP CURVED)	E.A.	770	
102DR	DROP INLETS	L.F.	10.0	

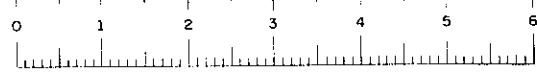
* NEW ITEMS

DATED _____ REVIEWED BY _____ CHECKED BY _____ DESIGNED BY _____
 DATED _____ REVIEWED BY _____ CHECKED BY _____ DESIGNED BY _____
 DATED _____ REVIEWED BY _____ CHECKED BY _____ DESIGNED BY _____
 DATED _____ REVIEWED BY _____ CHECKED BY _____ DESIGNED BY _____

DESIGNED BY Walter J. East
 TRACED BY Randy M. Yachel
 CHECKED BY John C. Shannon

FIELD CHANGE SHEET
 SEE SHEET NO. 5F2 FOR APPROVAL SIGNATURE

AS Built:
 See Final Book for quantities.

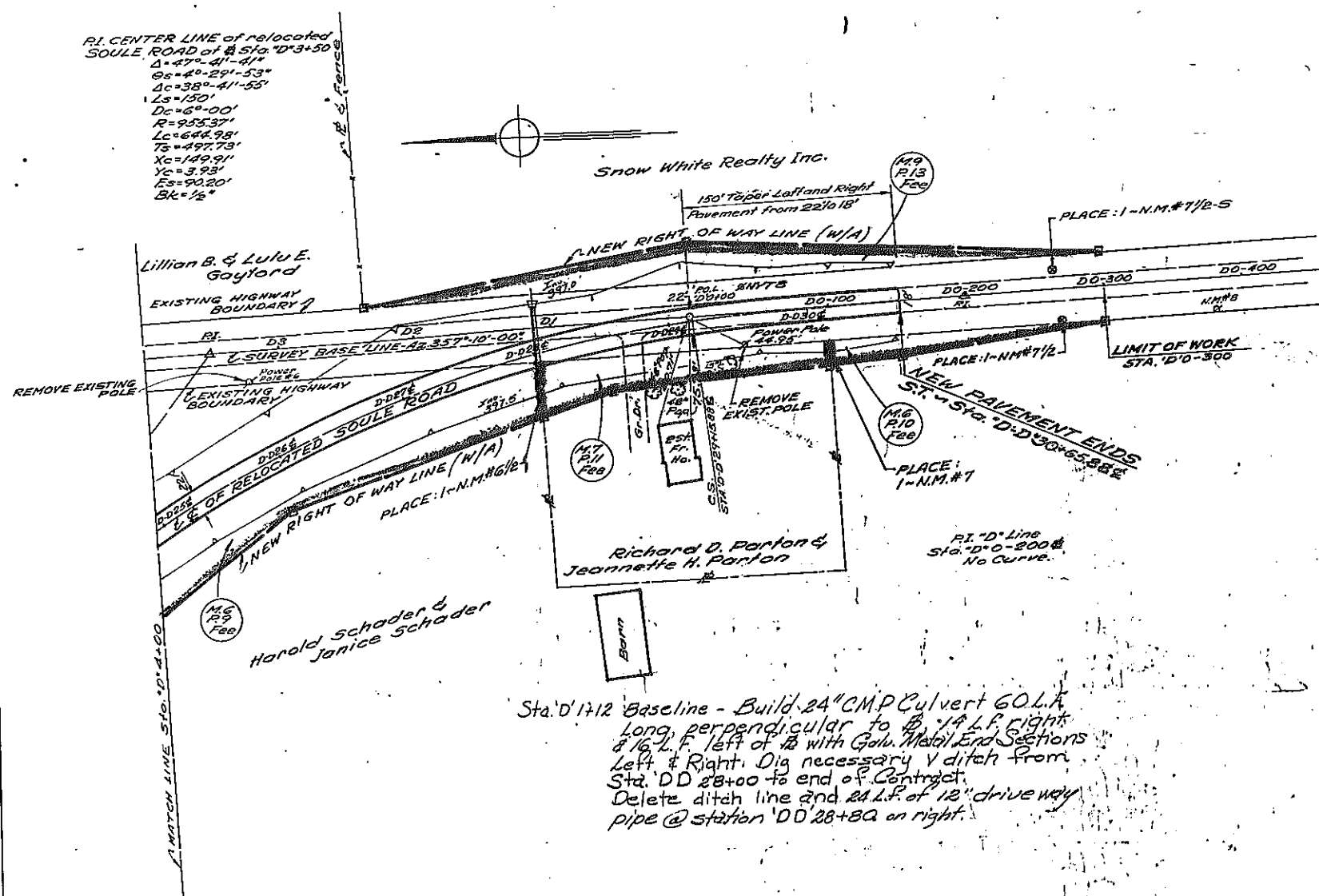


SH 69-5 RC 69-102

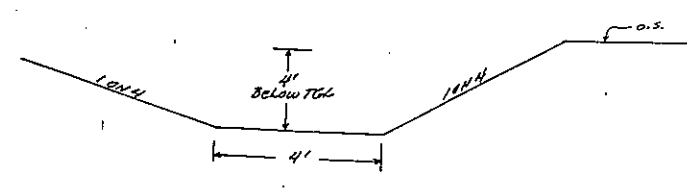
FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		49	257

EUCLID-NORTH SYRACUSE, S.H.

AS BUILT



Special Ditch
start @ sta. 27+10.150 on Rt. 4' Below E grade

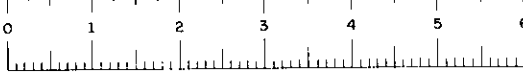


Sta. 27+12 Baseline - Build 24" CMP Culvert 60 L.F.
Long perpendicular to R.L. 14 L.F. right
& 16 L.F. left of R.L. with Galv. Metal End Sections
Left & Right. Dig necessary V ditch from
Sta. 27+00 to end of Contract.
Delete ditch line and 24 L.F. of 12" driveway
pipe @ station 27+82 on right.



As Built Revisions:
Culvert Locations.
Special Ditch typical sta. 27+10+50 Rt.

Made by: [Signature] Checked by: [Signature] Traced by: [Signature] Checked by: [Signature]



SH 69-5 RC 69-102

FED. ROAD REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N. Y.		508	257

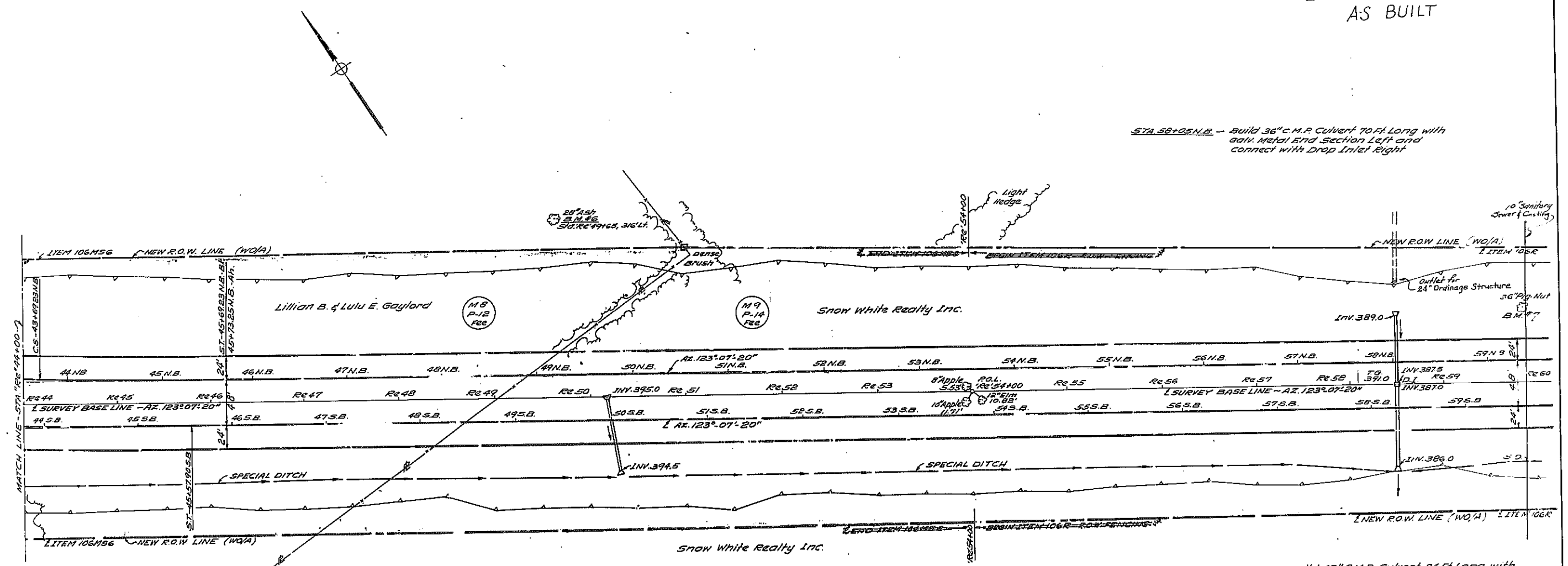
EUCLID-NORTH SYRACUSE, S.H.

AS BUILT

STA 58+05 N.B. - Build 36" C.M.P. Culvert 70 Ft Long with galv. Metal End Section Left and connect with Drop Inlet Right

STA 58+28 S.B. - Build 42" C.M.P. Culvert 84 Ft Long with Galv. Metal End section Right and Drop Inlet Left with No. 10 Frame & grate. Excavate Necessary Outlet Ditch

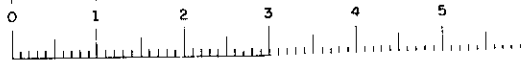
STA 50+00 S.B. - Build 18" C.M.P. Culvert on 10° Skew 74' Long with Galv. Metal End Sections Left & Right.



As built revisions:
 Sanitary Sewer location.
 Item 106 MSG Revision.
 Item 106 R Revision.

IN CHARGE OF
 DESIGNED BY *J. C. Shannon*
 ESTIMATE BY *E. Saubert*
 TRACED BY *J. C. Shannon*

Prepared pursuant to the Highway Law, and recommended by _____ ENGINEER DIST. NO. _____ 19 _____ HC-47 (2/64)

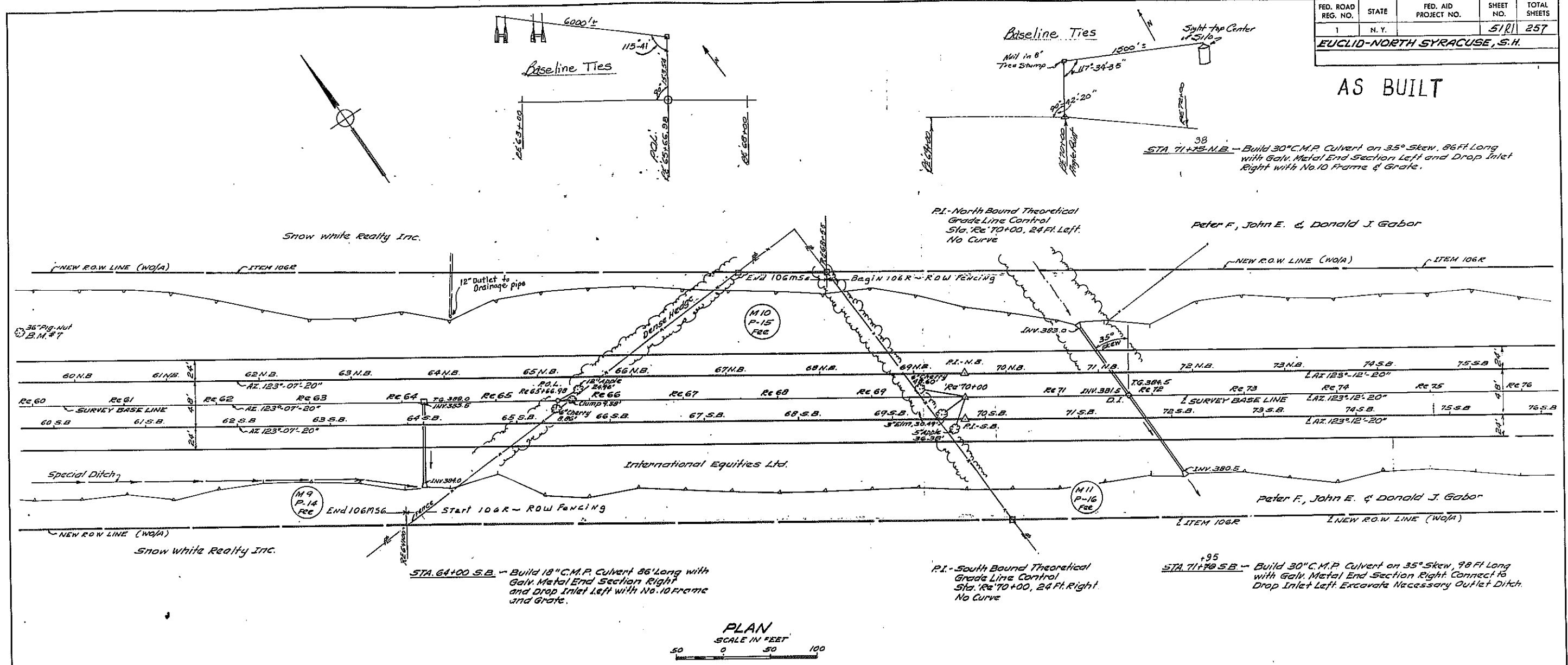


SH 69-5 RC 69-102

FED. ROAD REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N. Y.		51/1	257

EUCLID-NORTH SYRACUSE, S.H.

AS BUILT



PLAN
SCALE IN FEET
0 50 100

As built revisions:
New baseline ties
Revised R.O.W. Fencing
Culvert data

IN CHARGE OF
DESIGNED BY *John C. Skamra*
ESTIMATE BY
TRACED BY *T. Brauhwiler*

Prepared pursuant to the Highway Law, and recommended by
ENGINEER DIST. NO. 19 HC-47 (2/64)

FED. ROAD REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N. Y.		52 R	257

EUCLID-NORTH SYRACUSE, S.H.

AS BUILT

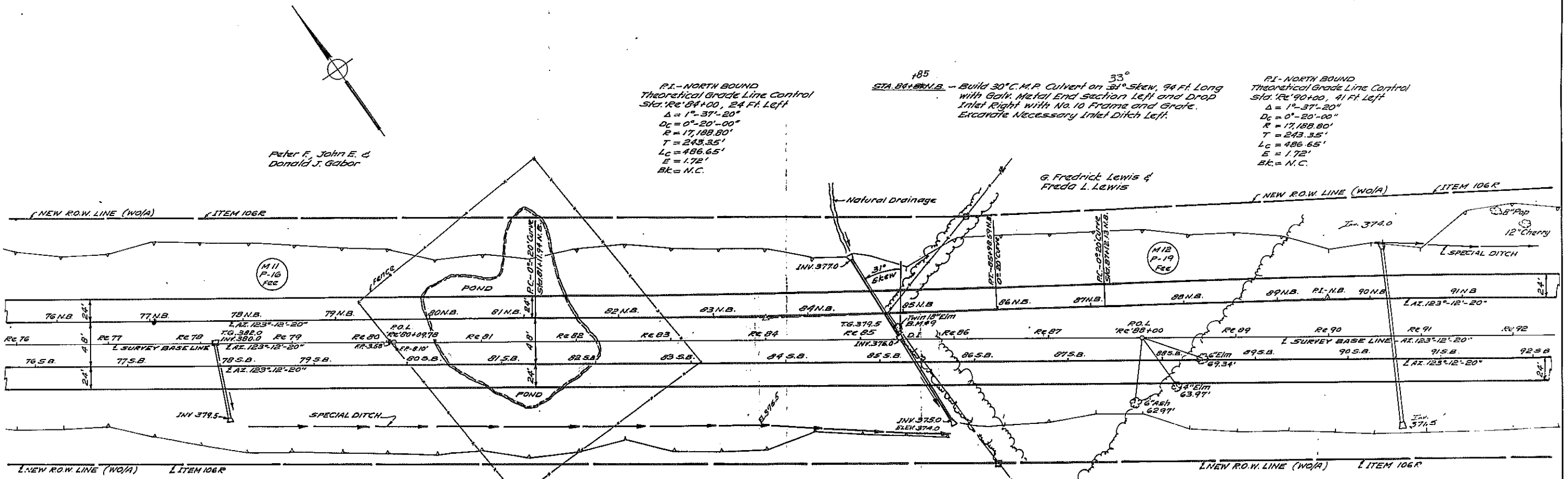
Peter F. John E. & Donald J. Gabor

P.I. - NORTH BOUND
Theoretical Grade Line Control
Sta. R.C. 84+00, 24 Ft. Left
 $\Delta = 1^{\circ} 37' 20''$
 $D_c = 0^{\circ} 20' 00''$
 $R = 17,188.80'$
 $T = 243.35'$
 $L_c = 486.65'$
 $E = 1.72'$
 $Bk = N.C.$

STA. 84+80 N.B. - Build 30" C.M.P. Culvert on 31° Skew, 94 Ft Long with Galv. Metal End Section Left and Drop Inlet Right with No. 10 Frame and Grate. Excavate Necessary Inlet Ditch Left.

P.I. - NORTH BOUND
Theoretical Grade Line Control
Sta. R.C. 90+00, 41 Ft Left
 $\Delta = 1^{\circ} 37' 20''$
 $D_c = 0^{\circ} 20' 00''$
 $R = 17,188.80'$
 $T = 243.35'$
 $L_c = 486.65'$
 $E = 1.72'$
 $Bk = N.C.$

G. Fredrick Lewis & Freda L. Lewis



STA. 78+00 S.B. - Build 18" C.M.P. Culvert on 10° Skew, 80' Long with Galv. Metal End section Right and Drop Inlet Left with No. 10 Frame & grate.

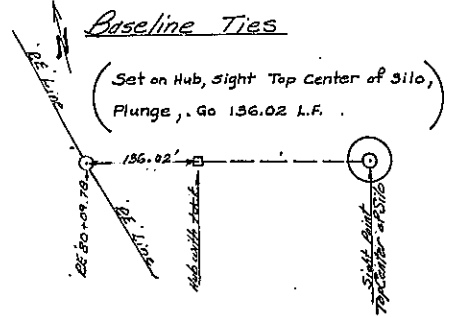
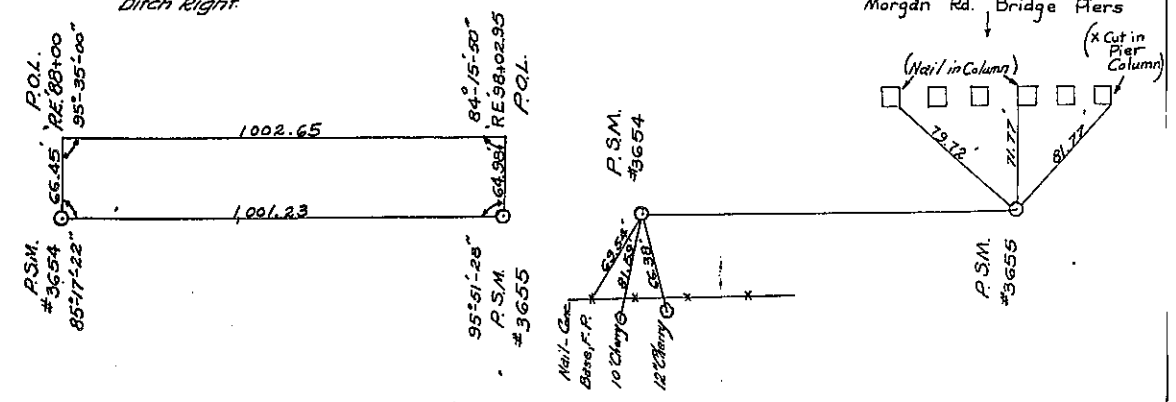
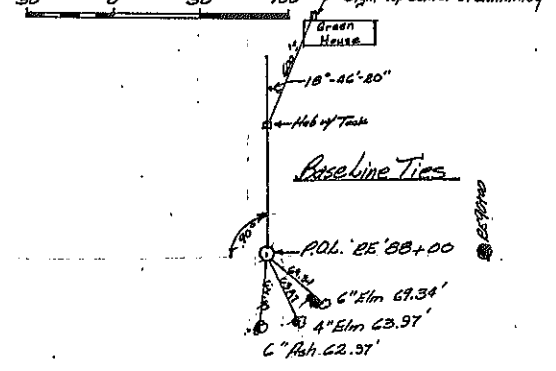
Peter F. John E. & Donald J. Gabor

STA. 85+50 S.B. - Build 30" C.M.P. Culvert on 33° skew, 102 Ft Long with Galv. Metal End section Right. Connect to Drop Inlet Lt. Excavate Necessary Outlet Ditch Right.

G. Fredrick Lewis & Freda L. Lewis

Sta. 90+50 S.B. - Build 30" C.M.P. Culvert, 186 L.F. with Galv. Metal End Section Lt. & Rt.

PLAN
SCALE IN FEET
0 50 100



As built revisions: New Baseline ties, & Permanent Survey Markers. New Culvert locations.

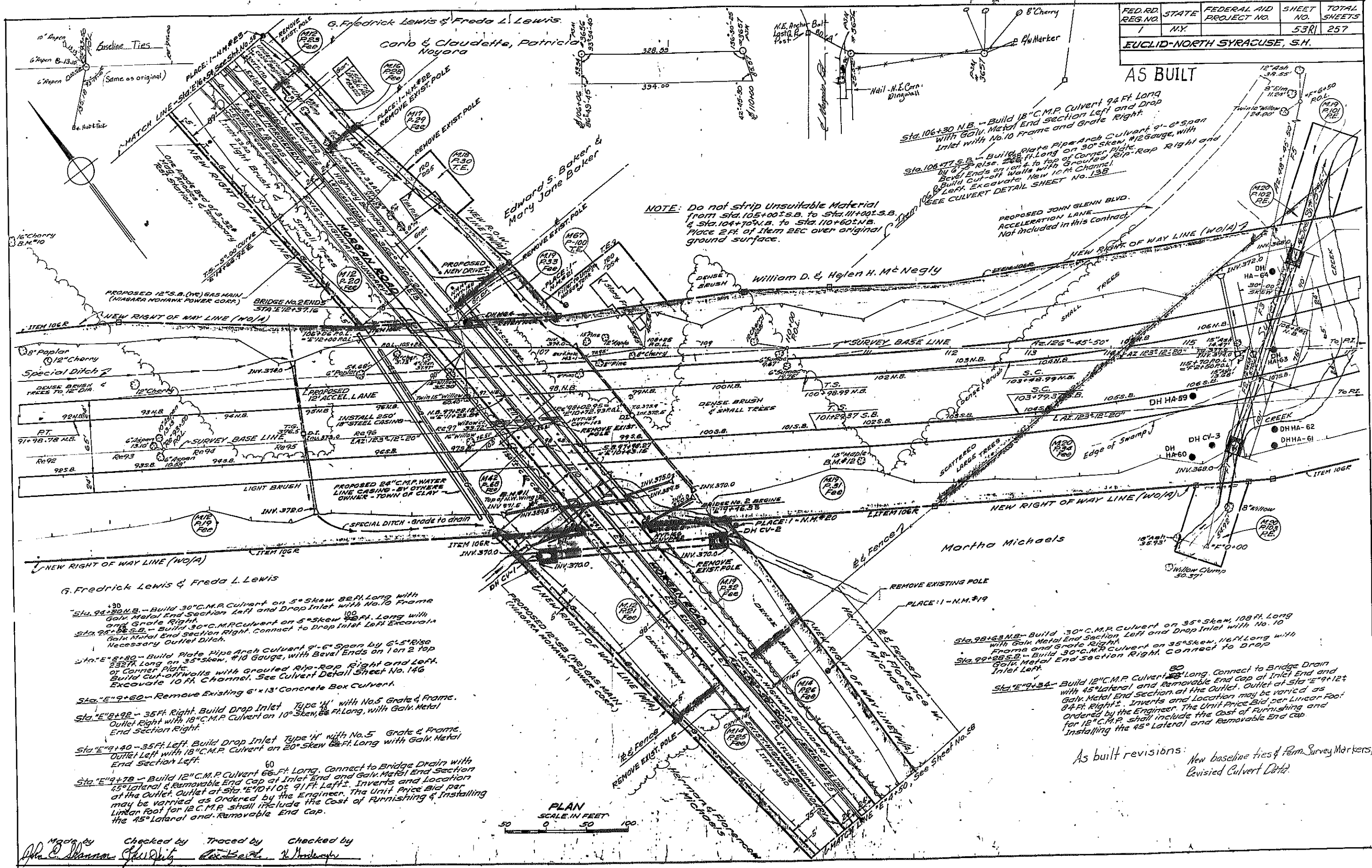
IN CHARGE OF
DESIGNED BY John E. Blomman
ESTIMATE BY
TRACED BY

Prepared pursuant to the Highway Law, and recommended by
ENGINEER DIST. NO.

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	NY		53R	257

EUCLID-NORTH SYRACUSE, S.H.

AS BUILT



NOTE: Do not strip Unsuitable Material from Sta. 105+00 S.B. to Sta. 111+00 S.B. & Sta. 104+70 N.B. to Sta. 110+60 N.B. Place 2 Ft. of Item 2EC over original ground surface.

Sta. 106+30 N.B. - Build 18" C.M.P. Culvert 94 Ft. Long with Galv. Metal End Section Left and Drop Inlet with No. 10 Frame and Grate Right.

Sta. 106+77 S.B. - Build Plate Pipe Arch Culvert 9'-6" Span with Galv. Metal End Section Right and Drop Inlet with No. 10 Frame and Grate Right. Bevel Ends on 1 on 2 top of Corner Plate. Build Cut-off Walls with Grouted Rip-Rap Right and Left. Excavate New 10 Ft. Channel. SEE CULVERT DETAIL SHEET NO. 138

PROPOSED JOHN GLENN BLVD. ACCELERATION LANE Not included in this Contract.

- Sta. 94+30 N.B. - Build 30" C.M.P. Culvert on 5° Skew 82 Ft. Long with Galv. Metal End Section Left and Drop Inlet with No. 10 Frame and Grate Right.
- Sta. 95+85 S.B. - Build 30" C.M.P. Culvert on 5° Skew 72 Ft. Long with Galv. Metal End Section Right. Connect to Drop Inlet Left Excavate Necessary Outlet Ditch.
- Sta. 97+80 - Build Plate Pipe Arch Culvert 9'-6" Span by 6'-5" Rise 252 Ft. Long on 35° Skew, #10 Gauge, with Bevel Ends on 1 on 2 top of Corner Plate. Build Cut-off Walls with Grouted Rip-Rap Right and Left. Excavate 10 Ft. Channel. See Culvert Detail Sheet No. 146
- Sta. 99+60 - Remove Existing 6' x 13' Concrete Box Culvert.
- Sta. 99+92 - 35 Ft. Right. Build Drop Inlet Type 'H' with No. 5 Grate & Frame. Outlet Right with 18" C.M.P. Culvert on 10° Skew, 66 Ft. Long, with Galv. Metal End Section Right.
- Sta. 99+40 - 35 Ft. Left. Build Drop Inlet Type 'H' with No. 5 Grate & Frame. Outlet Left with 18" C.M.P. Culvert on 20° Skew, 66 Ft. Long with Galv. Metal End Section Left.
- Sta. 99+78 - Build 12" C.M.P. Culvert 66 Ft. Long. Connect to Bridge Drain with 45° Lateral and Removable End Cap at Inlet End and Galv. Metal End Section at the Outlet. Outlet at Sta. 99+12. Inverts and Location may be varied as Ordered by the Engineer. The Unit Price Bid per Linear Foot for 12" C.M.P. shall include the Cost of Furnishing & Installing the 45° Lateral and Removable End Cap.

- Sta. 98+63 N.B. - Build 30" C.M.P. Culvert on 35° Skew, 108 Ft. Long with Galv. Metal End Section Left and Drop Inlet with No. 10 Frame and Grate Right.
- Sta. 99+25 S.B. - Build 30" C.M.P. Culvert on 35° Skew, 116 Ft. Long with Galv. Metal End Section Right. Connect to Drop Inlet Left.
- Sta. 99+34 - Build 12" C.M.P. Culvert 66 Ft. Long. Connect to Bridge Drain with 45° Lateral and Removable End Cap at Inlet End and Galv. Metal End Section at the Outlet. Outlet at Sta. 99+12. Inverts and Location may be varied as Ordered by the Engineer. The Unit Price Bid per Linear Foot for 12" C.M.P. shall include the Cost of Furnishing & Installing the 45° Lateral and Removable End Cap.

As built revisions: New baseline ties & Perm. Survey Markers, Revised Culvert Data.

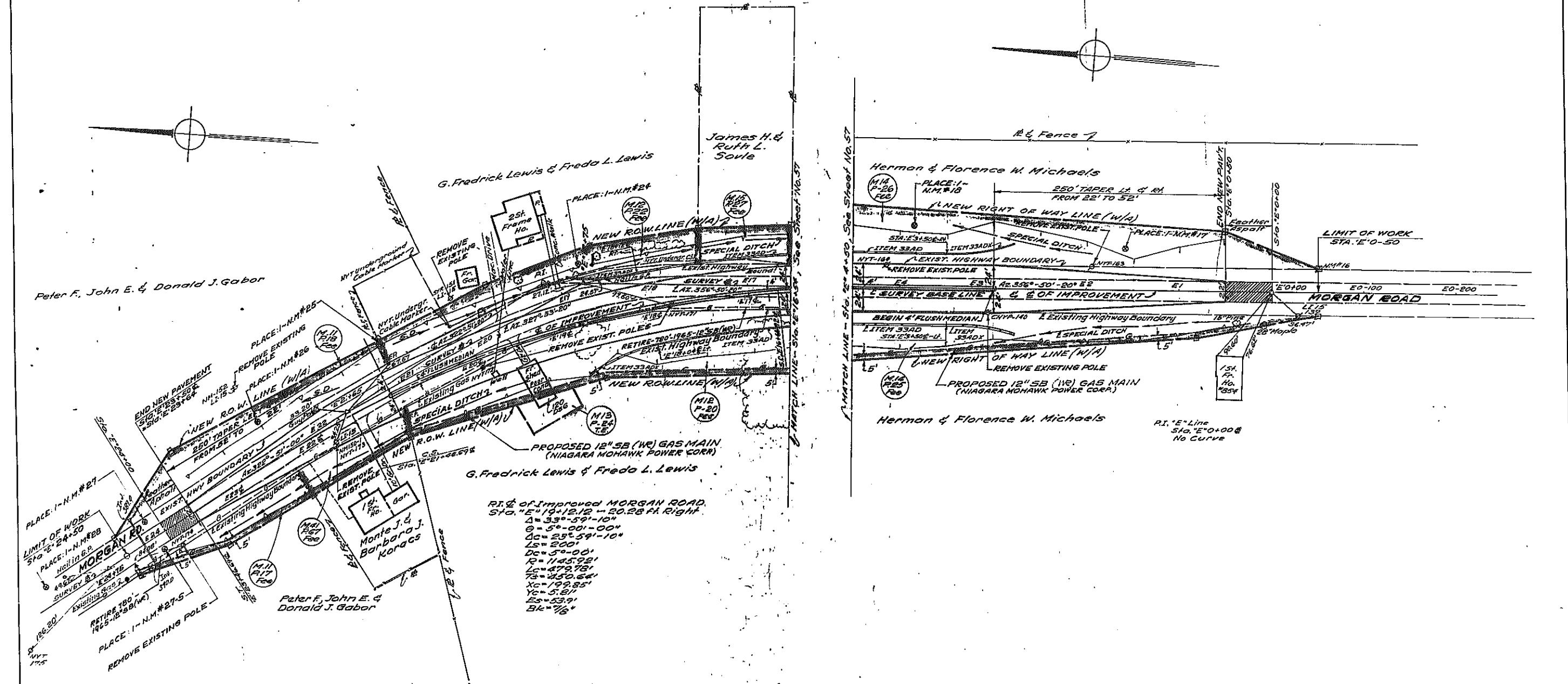
PLAN SCALE IN FEET
0 50 100

Made by Ala. E. Shannan Checked by Sheep Traced by Robt. E. ... Checked by N. ...

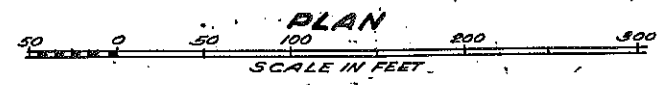
FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		54	257

EUCLID-NORTH SYRACUSE, S.H.

A5 BUILT



RI & OF Improved MORGAN ROAD
 STA. E 19+12.12 - 20.28 FH Right
 Δ = 33°-59'-10"
 Q = 5°-00'-00"
 Qc = 25°-59'-10"
 Ls = 200'
 Dc = 5°-00'-00"
 R = 1145.92'
 Lc = 479.72'
 Tc = 450.64'
 Xc = 199.85'
 Yc = 53.7'
 Eα = 53.9'
 Bk = 7/8"



PLAN

SCALE IN FEET

Peter F. John E. & Donald J. Gabor

G. Fredrick Lewis & Freda L. Lewis

James H. & Ruth L. Soule

Herman & Florence W. Michaels

Herman & Florence W. Michaels

G. Fredrick Lewis & Freda L. Lewis

Peter F. John E. & Donald J. Gabor

H.I. MORGAN ROAD
 STA. E 24+5.5
 No Curve

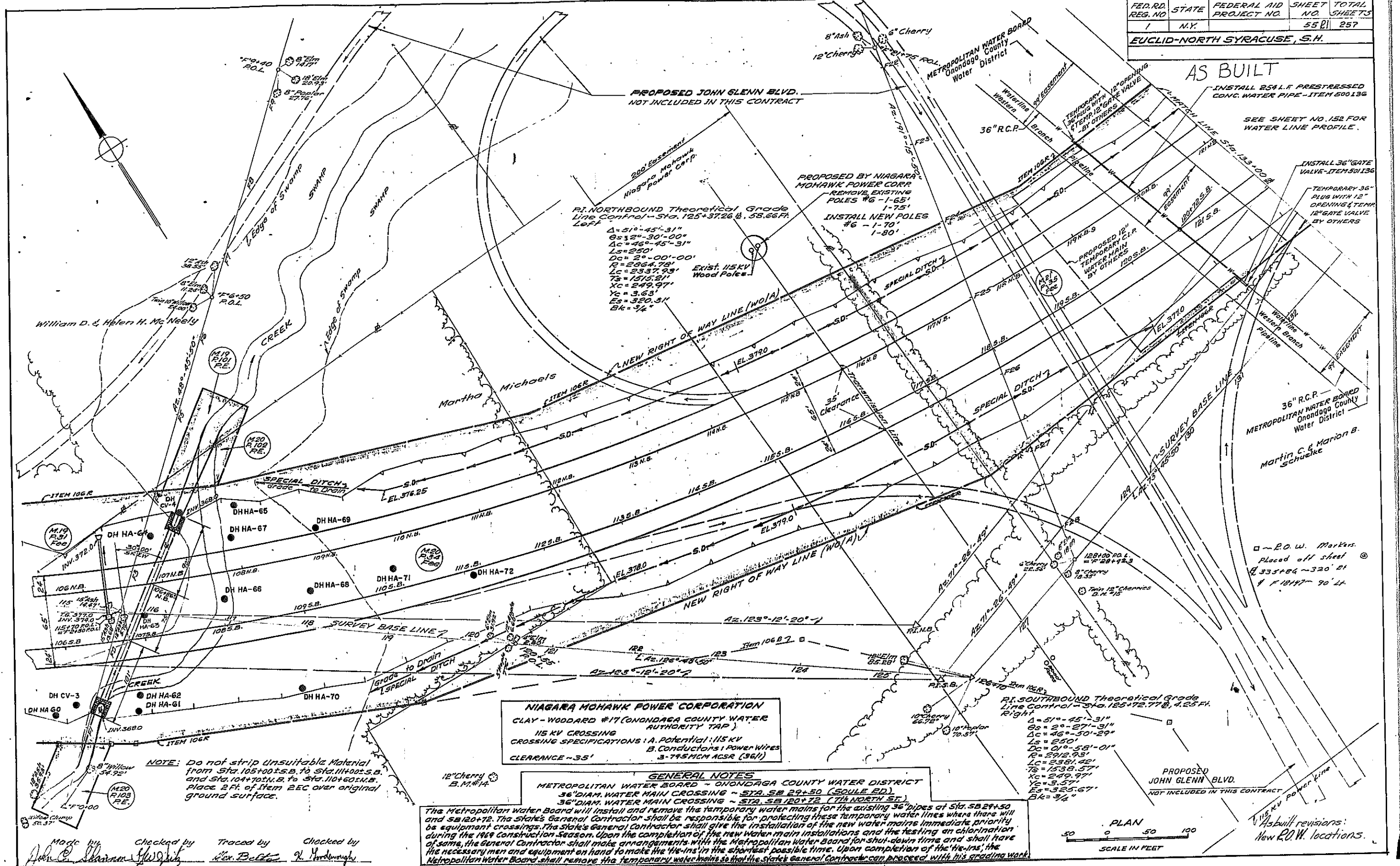
Sta. E 24+13.0 Built new 24" CMP
 Culvert 50 L.F. Long with Galv
 Metal End Section 4.7 L.F.

As built revisions:
 New Culvert data.

Made by: John C. Shannon Checked by: W. J. [unclear] Traced by: Alfred B. [unclear] Checked by: R. [unclear]

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		55	257

EUCLID-NORTH SYRACUSE, S.H.



PROPOSED JOHN GLENN BLVD.
NOT INCLUDED IN THIS CONTRACT

PROPOSED BY NIAGARA MOHAWK POWER CORP.
REMOVE EXISTING POLES #6-1-65'-1-75'
INSTALL NEW POLES #6-1-70'-1-80'

RI. NORTHBOUND Theoretical Grade
Line Control - Sta. 125+37.26 @ 58.66 FT. Left

$\Delta = 51^{\circ}45'31''$
 $B_s = 2^{\circ}30'00''$
 $\Delta c = 46^{\circ}45'31''$
 $L_s = 250'$
 $D_c = 2^{\circ}00'00''$
 $R = 2864.78'$
 $L_c = 2537.93'$
 $T_s = 127.52'$
 $X_c = 249.97'$
 $Y_c = 3.63'$
 $E_s = 320.31'$
 $B_k = 94'$

AS BUILT

INSTALL 254 L.F. PRESTRESSED CONC. WATER PIPE - ITEM 500136

SEE SHEET NO. 152 FOR WATER LINE PROFILE.

INSTALL 36" GATE VALVE - ITEM 501136

TEMPORARY 36" PLUG WITH 12" OPENING & TEMP. 18" GATE VALVE BY OTHERS

36" R.C.P. - METROPOLITAN WATER BOARD Onondaga County Water District

Martin C. & Marion B. Schueke

NIAGARA MOHAWK POWER CORPORATION
CLAY - WOODARD #17 (ONONDAGA COUNTY WATER AUTHORITY TAP)
115 KV CROSSING
CROSSING SPECIFICATIONS: A. Potential: 115 KV
B. Conductors: 1 POWER WIRES
C. CLEARANCE - 35'

RI. SOUTHBOUND Theoretical Grade
Line Control - Sta. 125+72.77 @ 4.25 FT. Right

$\Delta = 51^{\circ}45'31''$
 $B_s = 2^{\circ}27'31''$
 $\Delta c = 46^{\circ}50'29''$
 $L_s = 250'$
 $D_c = 2^{\circ}01'58'01''$
 $R = 2812.93'$
 $L_c = 2581.42'$
 $T_s = 1538.57'$
 $X_c = 249.97'$
 $Y_c = 3.57'$
 $E_s = 325.67'$
 $B_k = 94'$

GENERAL NOTES
METROPOLITAN WATER BOARD - ONONDAGA COUNTY WATER DISTRICT
36" DIAM. WATER MAIN CROSSING - STA. SB 29+50 (SCOLE RD.)
36" DIAM. WATER MAIN CROSSING - STA. SB 120+72 (7TH NORTH ST.)

The Metropolitan Water Board will install and remove the temporary water mains for the existing 36" pipes at Sta. SB 29+50 and SB 120+72. The State's General Contractor shall be responsible for protecting these temporary water lines where there will be equipment crossings. The State's General Contractor shall give the installation of the new water mains immediate priority during the 1969 construction season. Upon the completion of the new water main installations and the testing and chlorination of same, the General Contractor shall make arrangements with the Metropolitan Water Board for shut-down time and shall have the necessary men and equipment on hand to make the tie-ins in the shortest possible time. Upon completion of the tie-ins, the Metropolitan Water Board shall remove the temporary water mains so that the State's General Contractor can proceed with his grading work.

NOTE: Do not strip unsuitable material from Sta. 105+00 to Sta. 114+00 S.B. and Sta. 104+70 to Sta. 110+60 N.B. Place 2 Ft. of Item 2EC over original ground surface.



As built revisions:
New R.O.W. locations.

Made by: John C. Shannon
Checked by: Alex. B. ...
Traced by: R. ...
Checked by: R. ...

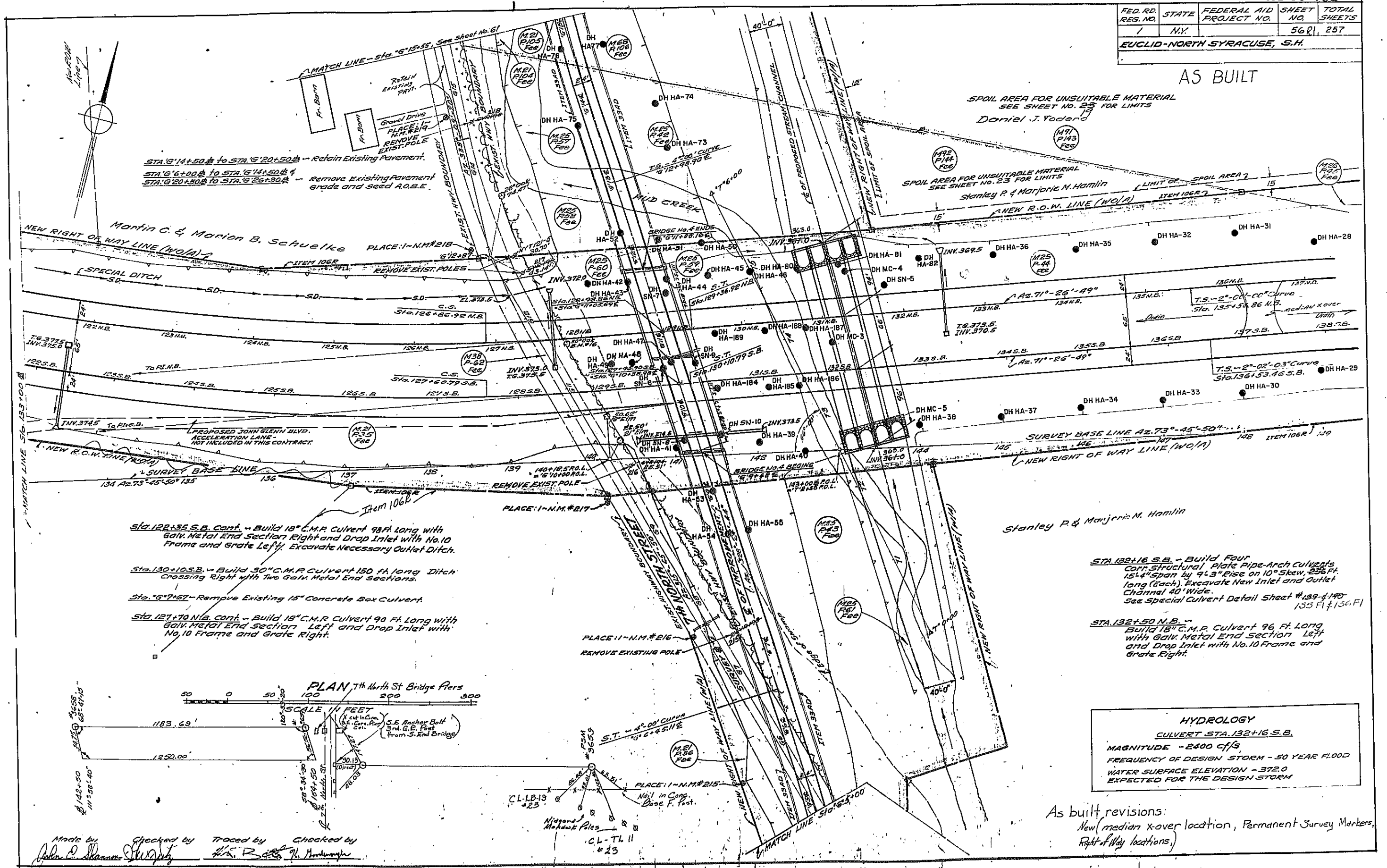
FED. RD. RES. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	NY		5681	257

EUCLID-NORTH SYRACUSE, S.H.

AS BUILT

SPOIL AREA FOR UNSUITABLE MATERIAL
SEE SHEET NO. 23 FOR LIMITS
Daniel J. Yoder

SPOIL AREA FOR UNSUITABLE MATERIAL
SEE SHEET NO. 23 FOR LIMITS
Stanley P. & Marjorie M. Hamlin



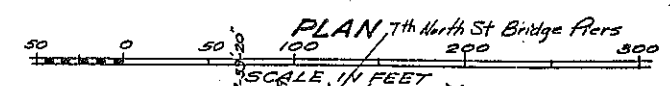
STA. 6+14+50.0 to STA. 6+20+50.0 - Retain Existing Pavement.
STA. 6+6+00.0 to STA. 6+14+50.0 & STA. 6+20+50.0 to STA. 6+26+30.0 - Remove Existing Pavement grade and seed A.O.E.

- Sta. 122+35 S.B. Cont. - Build 18" C.M.P. Culvert 98 ft Long with Galv. Metal End Section Right and Drop Inlet with No. 10 Frame and Grate Left. Excavate Necessary Outlet Ditch.
- Sta. 130+10 S.B. - Build 30" C.M.P. Culvert 150 ft Long Ditch Crossing Right with Two Galv. Metal End Sections.
- Sta. 6+7+67 - Remove Existing 15" Concrete Box Culvert.
- Sta. 127+70 N.B. cont. - Build 18" C.M.P. Culvert 90 ft Long with Galv. Metal End Section Left and Drop Inlet with No. 10 Frame and Grate Right.

- STA. 132+16 S.B. - Build Four Cor. Structural Plate Pipe-Arch Culverts 15'-4" span by 9'-3" Rise on 10° Skew, 25% Ft. long (Each). Excavate New Inlet and Outlet Channel 40' Wide. See Special Culvert Detail Sheet #139-140 155 Ft. x 136 Ft.
- STA. 132+50 N.B. - Build 18" C.M.P. Culvert 96 ft Long with Galv. Metal End Section Left and Drop Inlet with No. 10 Frame and Grate Right.

HYDROLOGY
CULVERT STA. 132+16 S.B.
MAGNITUDE - 2400 cfs
FREQUENCY OF DESIGN STORM - 50 YEAR FLOOD
WATER SURFACE ELEVATION - 372.0
EXPECTED FOR THE DESIGN STORM

As built revisions:
New (median x-over location, Permanent Survey Markers, Right-of-Way locations)



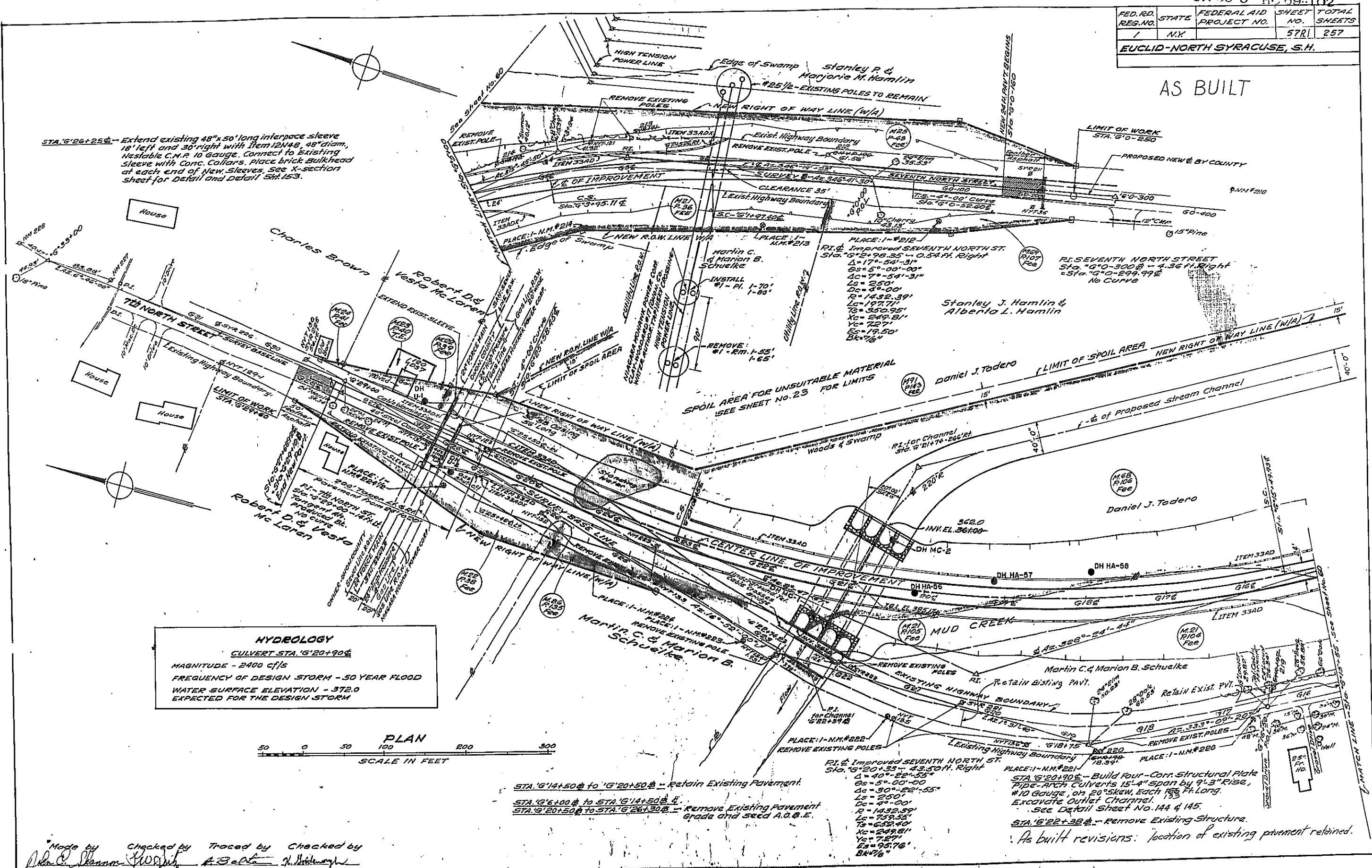
Made by: John P. Skamnik
Checked by: [Signature]
Traced by: [Signature]
Checked by: [Signature]

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
7	N.Y.		57R	257

EUCLID-NORTH SYRACUSE, S.H.

AS BUILT

STA. G'26+25E - Extend existing 48"x50" long interpace sleeve 18' left and 30' right with item 12N48, 48" diam, Nestable C.M.P. 10 gauge. Connect to Existing Sleeve with Conc. Collars. Place brick Bulkhead at each end of New Sleeves. See X-section sheet for Detail and Detail Sta. 153.



HYDROLOGY
 CULVERT STA. G'20+90E
 MAGNITUDE - 2400 cfs
 FREQUENCY OF DESIGN STORM - 50 YEAR FLOOD
 WATER SURFACE ELEVATION - 372.0
 EXPECTED FOR THE DESIGN STORM



STA. G'14+50E to G'20+50E - Retain Existing Pavement.
 STA. G'6+00E to STA. G'14+50E E - Remove Existing Pavement
 STA. G'20+50E to STA. G'26+30E - Remove Existing Pavement
 grade and seed A.O.E.

RI. & Improved SEVENTH NORTH ST.
 STA. G'20+53 - 43.50' Right
 Δ = 40°-22'-55"
 C = 5°-00'-00"
 L = 250'
 D = 4°-00'
 R = 1432.39'
 Lc = 739.35'
 Tc = 632.40'
 Xc = 249.81'
 Yc = 7.57'
 Es = 95.76'
 Bk = 7/8"

PLACE: I-N.M.#221
 STA. G'20+90E - Build Four-Comp. Structural Plate
 Pipe-Arch Culverts 15'-4" span by 9'-3" Rise,
 #10 gauge, on 20' skew, each 165' Long.
 Excavate Outlet Channel.
 See Detail Sheet No. 144 & 145.

STA. G'22+30E - Remove Existing Structure.
 As built revisions: location of existing pavement retained.

Made by Checked by Traced by Checked by
 John C. Skram... A. B. ... N. ...

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	NY		58 R	257

EUCLID-NORTH SYRACUSE, S.H.

Sheet 58 FI VOIDS All of Original sheet 58.

NOTE: All Work to be done within the Limits of the New 20' R.O.W. and the Limits of the Highway R.O.W. Any Encroachment on Private Lands will be at the Contractors Expense.

PROPOSED BY NIAGARA MOHAWK POWER CORP.
INSTALL 1000'-24" (.375 WALL) STEEL WRAPPED PIPE

HIGHWAY CONTRACTOR WILL UNDERCUT AREA OF RELOCATED PIPE LINE X-ING (STA. N.B. 149+50) AND BACKFILL TO EXISTING GROUND SURFACE PRIOR TO INSTALLATION OF NEW GAS MAIN AND CASING. WORK TO BE COORDINATED BETWEEN STATE'S GENERAL CONTRACTOR AND NIAGARA MOHAWK POWER CORP.

NIAGARA MOHAWK POWER CORPORATION
CLAY - TEALL #11 - 115 KV CROSSING
CLAY - WOODARD #17 - 115 KV CROSSING
CROSSING SPECIFICATIONS:
A. Potential: 115,000 Volts
B. Conductors:
1. Power Wires - 6 - 795 MCM ACSR (26/7)
CLEARANCE ~ 35 FT.

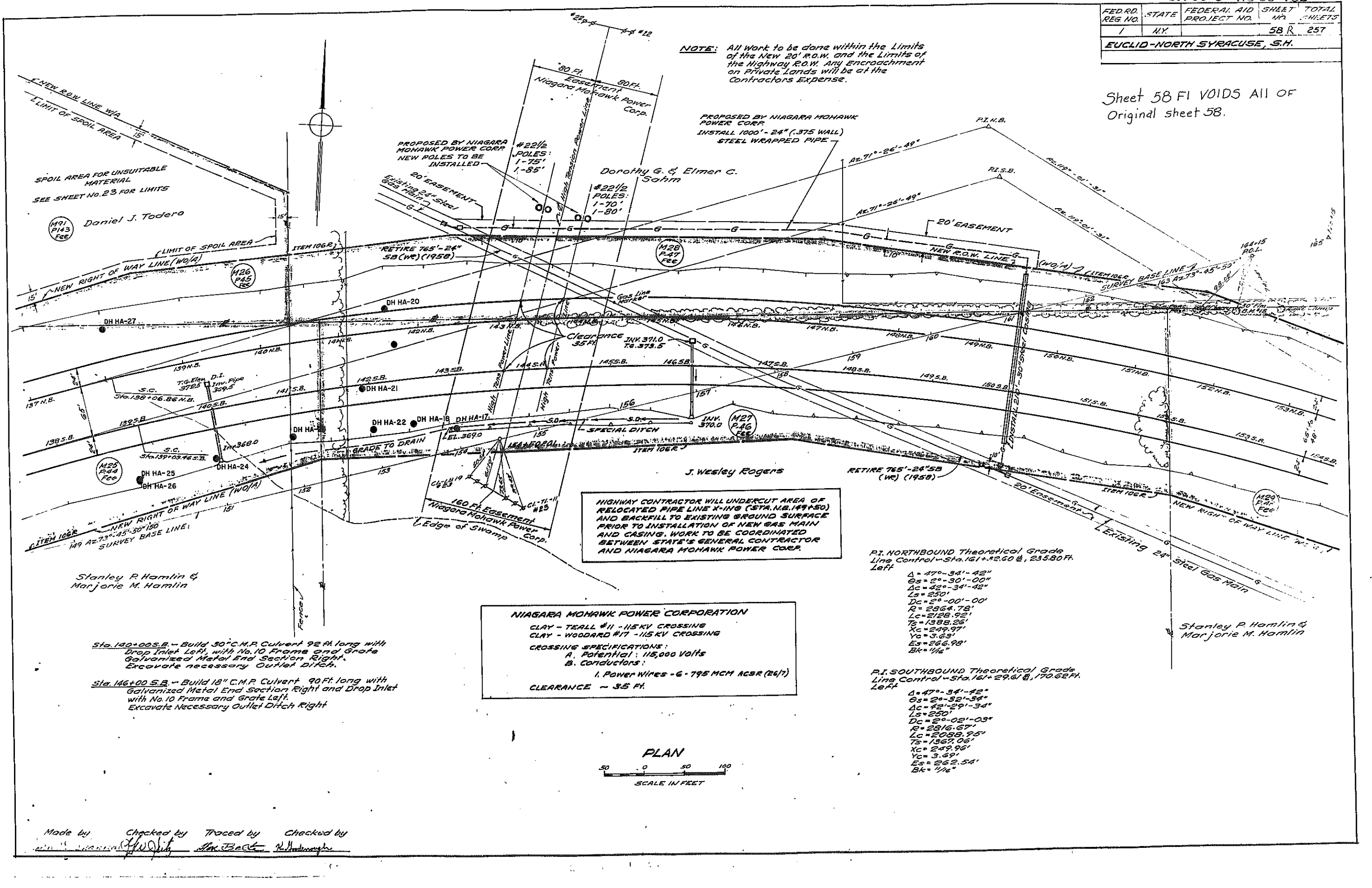


P.I. NORTHBOUND Theoretical Grade Line Control - Sta. 161+32.60 @ 235.80 FT. Left

- Δ = 47°-54'-42"
- Θs = 2°-30'-00"
- Δc = 42°-34'-42"
- Ls = 250'
- Dc = 2°-00'-00"
- R = 2864.78'
- Lc = 2128.92'
- Ts = 1388.26'
- Xc = 249.97'
- Yc = 3.63'
- Es = 266.98'
- Bk = 1/16"

P.I. SOUTHBOUND Theoretical Grade Line Control - Sta. 161+29.61 @ 170.62 FT. Left

- Δ = 47°-54'-42"
- Θs = 2°-52'-54"
- Δc = 42°-29'-34"
- Ls = 250'
- Dc = 2°-02'-03"
- R = 2816.67'
- Lc = 2038.25'
- Ts = 1367.06'
- Xc = 249.96'
- Yc = 3.63'
- Es = 262.54'
- Bk = 1/16"



SPOIL AREA FOR UNSUITABLE MATERIAL
SEE SHEET No. 23 FOR LIMITS

Daniel J. Todero

Dorothy G. & Elmer C. Sahm

J. Wesley Rogers

Stanley P. Hamlin & Marjorie M. Hamlin

Stanley P. Hamlin & Marjorie M. Hamlin

Sta. 140+00 S.B. - Build 30" C.M.P. Culvert 92 Ft. long with Drop Inlet Left, with No. 10 Frame and Grate Galvanized Metal End Section Right. Excavate Necessary Outlet Ditch.

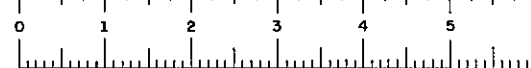
Sta. 146+00 S.B. - Build 18" C.M.P. Culvert 90 Ft. long with Galvanized Metal End Section Right and Drop Inlet with No. 10 Frame and Grate Left. Excavate Necessary Outlet Ditch Right

Made by _____ Checked by _____ Traced by _____ Checked by _____

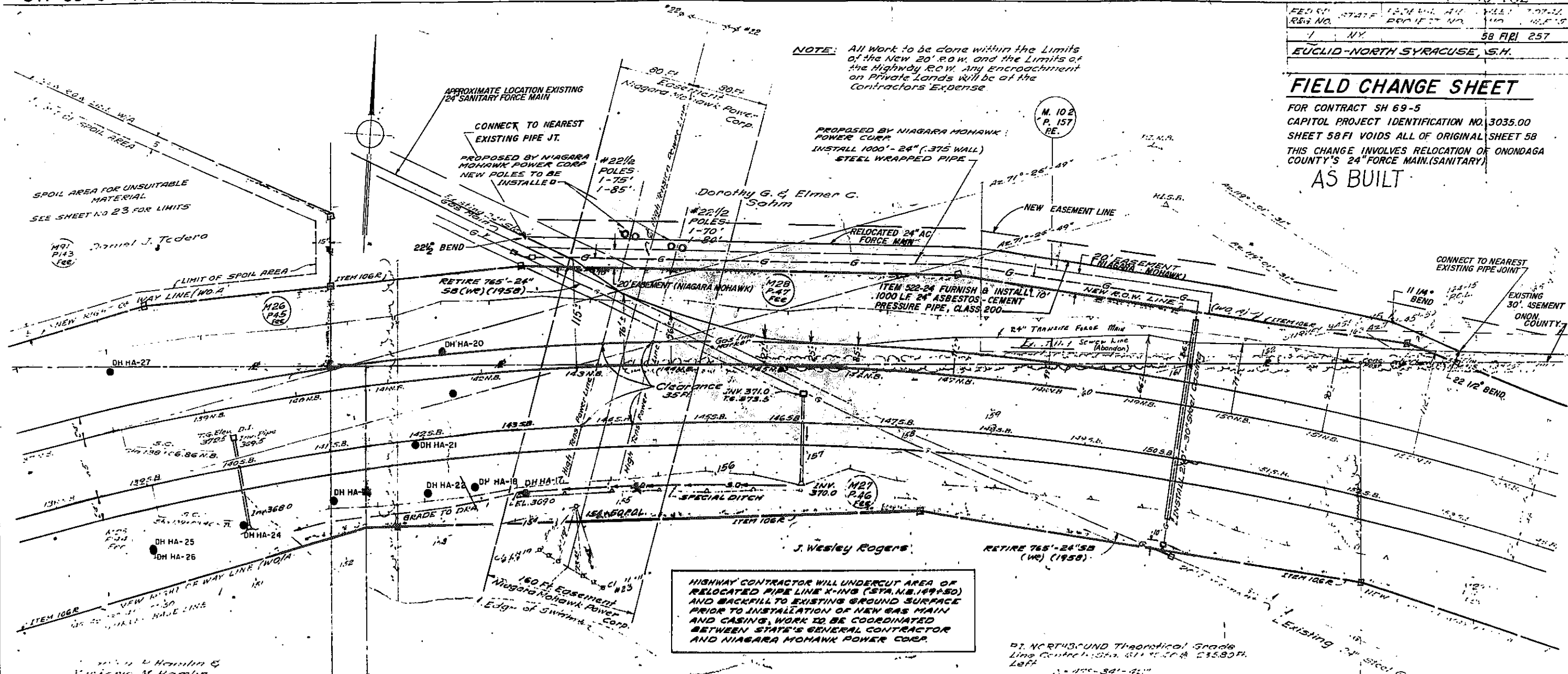
FED. STATE	1204	PROJ. NO.	102
NY		58 FRI	257
EUCLID-NORTH SYRACUSE, S.H.			

FIELD CHANGE SHEET

FOR CONTRACT SH 69-5
 CAPITOL PROJECT IDENTIFICATION NO. 3035.00
 SHEET 58 FI VOIDS ALL OF ORIGINAL SHEET 58
 THIS CHANGE INVOLVES RELOCATION OF ONONDAGA COUNTY'S 24" FORCE MAIN (SANITARY)
AS BUILT



NOTE: All work to be done within the Limits of the New 20' R.O.W. and the Limits of the Highway R.O.W. Any Encroachment on Private Lands will be at the Contractors Expense.



HIGHWAY CONTRACTOR WILL UNDERCUT AREA OF RELOCATED PIPE LINE X-ING (STA. 149+50) AND BACKFILL TO EXISTING GROUND SURFACE PRIOR TO INSTALLATION OF NEW GAS MAIN AND CASING. WORK TO BE COORDINATED BETWEEN STATE'S GENERAL CONTRACTOR AND NIAGARA MOHAWK POWER CORP.

NIAGARA MOHAWK POWER CORPORATION
 CLAY - TEALL #11 - 115 KV. CROSSING
 CLAY - WOODARD #17 - 115 KV. CROSSING
 CROSSING SPECIFICATIONS:
 A. Potential - 115,000 Volts
 B. Conductors:
 1. Power Wires - G-795 MCM AC8R (26/7)
 CLEARANCE - 3.5 FT.

P.I. NORTHBOUND Theoretical Grade
 Line Control - Sta. 61+50.00 @ 235.80 FT. Left
 1. 100'-34'-42"
 2. 20'-50'-00"
 3. 10'-34'-42"
 4. 250'
 5. 2'-00'-00"
 6. 2564.78'
 7. 2122.92'
 8. 1438.82'
 9. 249.97'
 10. 3.6'
 11. 266.46'
 12. 11.45'

P.I. SOUTHBOUND Theoretical Grade
 Line Control - Sta. 161+29.61 @ 170.12 FT. Left
 1. 47'-34'-40"
 2. 20'-52'-34"
 3. 42'-29'-34"
 4. 18'-250'
 5. 2'-02'-03"
 6. 2816.67'
 7. 2088.95'
 8. 1367.06'
 9. 240.94'
 10. 7.69'
 11. 262.54'
 12. 11.45'

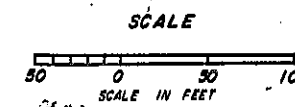
Sta 140+00 SB - Build 30" C.M.P. Culvert 92 ft long with Drop Inlet Left with No. 10 Frame and Grate Galvanized Metal End Section Right. Excavate necessary Outlet Ditch.

Sta 146+00 SB - Build 18" C.M.P. Culvert 90 ft long with Galvanized Metal End Section Right and Drop Inlet with No 10 Frame and Grate Left. Excavate Necessary Outlet Ditch Right

CHANGE IN QUANTITIES					
ITEM	DESCRIPTION	UNIT	INCREASE	DECREASE	NET CHANGE
2 EF-B	SELECTED GRANULAR FILL	C.Y.	445		445
5T	TRENCH AND CULVERT EXCAVATION	C.Y.	2,112		2,112
83 TXS	TEMPORARY SHEET PILING	S.F.	19,000		19,000
522-24	24" ASBESTOS CEMENT PRESSURE PIPE CLASS 200	L.F.	1,000		1,000

FIELD CHANGE SHEET

NOTES
 1. BEFORE ANY PIPE IS INSTALLED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT ALIGNMENT AND GRADE AT ALL TIE-IN POINTS TO EXISTING MAINS.
 2. MINIMUM OF 5.0 FEET OF COVER SHALL BE MAINTAINED.



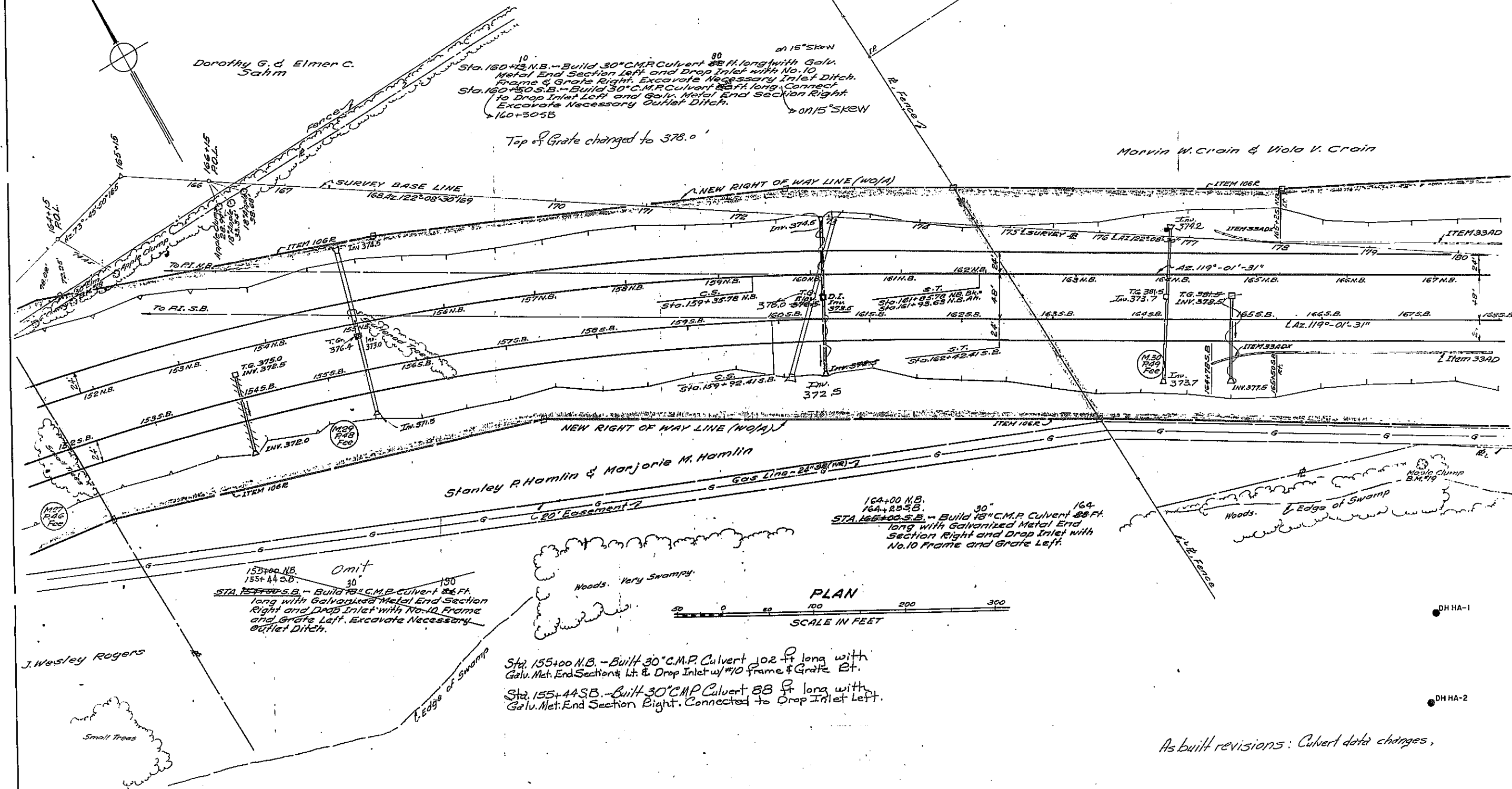
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APPROVED
 [Signature]
 REGIONAL DIRECTOR OF TRANSPORTATION
 REGION NO. 3
 DATE 13 Oct 1970
 SH 69-5 RC 69-102

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	NY		59 R	257

EUCLID-NORTH SYRACUSE, S.H.

AS BUILT



Dorothy G. & Elmer C. Sahn

Sta. 160+25 N.B. - Build 30" C.M.P. Culvert 88 ft. long with Galv. Metal End Section Left and Drop Inlet with No. 10 Frame & Grate Right. Excavate Necessary Inlet Ditch.
 Sta. 160+50 S.B. - Build 30" C.M.P. Culvert 88 ft. long. Connect to Drop Inlet Left and Galv. Metal End Section Right. Excavate Necessary Outlet Ditch.
 160+30 S.B.

Top of Grate changed to 378.0'

Morvin W. Croin & Viola V. Croin

Stanley R. Hamlin & Marjorie M. Hamlin

164+00 N.B.
 164+25 S.B.
 STA. 164+00 S.B. - Build 30" C.M.P. Culvert 88 ft. long with Galvanized Metal End Section Right and Drop Inlet with No. 10 Frame and Grate Left.

Omit
 STA. 155+00 N.B.
 155+44 S.B.
 STA. 155+00 S.B. - Build 30" C.M.P. Culvert 88 ft. long with Galvanized Metal End Section Right and Drop Inlet with No. 10 Frame and Grate Left. Excavate Necessary Outlet Ditch.

Sta. 155+00 N.B. - Built 30" C.M.P. Culvert 102 ft long with Galv. Met. End Section Left & Drop Inlet w/ #10 Frame & Grate Rt.
 Sta. 155+44 S.B. - Built 30" C.M.P. Culvert 88 ft long with Galv. Met. End Section Right. Connected to Drop Inlet Left.



As built revisions: Culvert data changes,

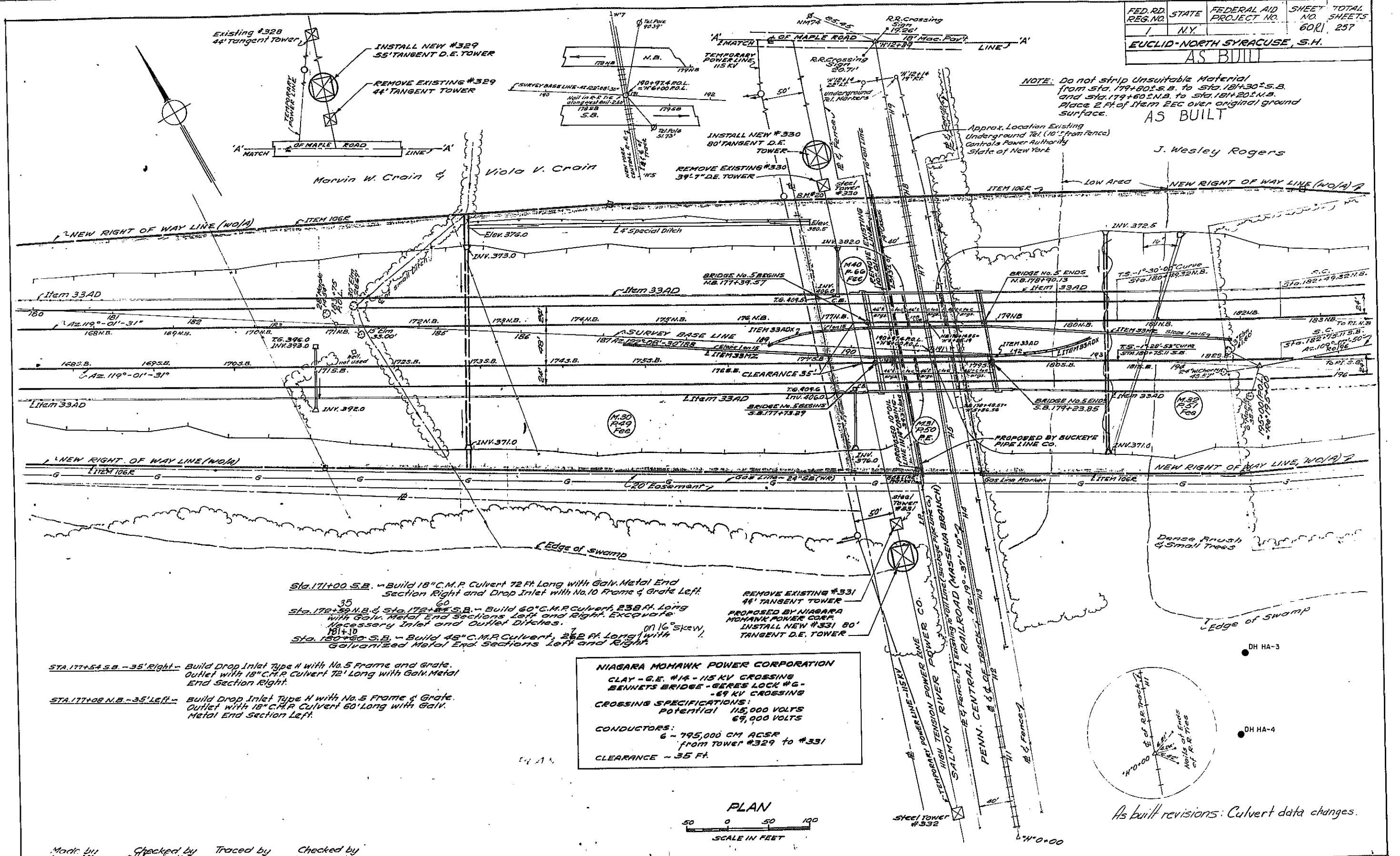
Made by: John C. Shannon
 Checked by: [Signature]
 Traced by: [Signature]
 Checked by: [Signature]

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		6021	257
EUCLID-NORTH SYRACUSE, S.H.				
AS BUILT				

NOTE: Do not strip Unsuitable Material from Sta. 179+60 S.B. to Sta. 181+30 S.B. and Sta. 179+60 S.B. to Sta. 181+20 N.B. Place 2 Ft. of Item 2E.C. over original ground surface.

AS BUILT

J. Wesley Rogers



Sta. 171+00 S.B. - Build 18" C.M.P. Culvert 72 Ft. Long with Galv. Metal End Section Right and Drop Inlet with No. 10 Frame & Grate Left.

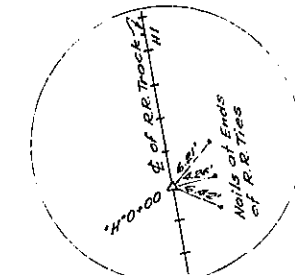
Sta. 172+59 N.B. & Sta. 172+65 S.B. - Build 60" C.M.P. Culvert, 238 Ft. Long with Galv. Metal End Sections Left and Right. Excavate Necessary Inlet and Outlet Ditches.

Sta. 180+60 S.B. - Build 48" C.M.P. Culvert, 262 Ft. Long with Galvanized Metal End Sections Left and Right.

STA. 177+54 S.B. - 35' Right - Build Drop Inlet Type H with No. 5 Frame and Grate. Outlet with 18" C.M.P. Culvert 72' Long with Galv. Metal End Section Right.

STA. 177+08 N.B. - 35' Left - Build Drop Inlet Type H with No. 5 Frame & Grate. Outlet with 18" C.M.P. Culvert 60' Long with Galv. Metal End Section Left.

NIAGARA MOHAWK POWER CORPORATION
 CLAY - G.E. #14 - 115 KV CROSSING
 BENNETTS BRIDGE - GERE'S LOCK #6 - 69 KV CROSSING
CROSSING SPECIFICATIONS:
 Potential 115,000 VOLTS
 69,000 VOLTS
CONDUCTORS:
 6 - 795,000 CM ACSF from tower #329 to #331
 CLEARANCE - 35 FT.

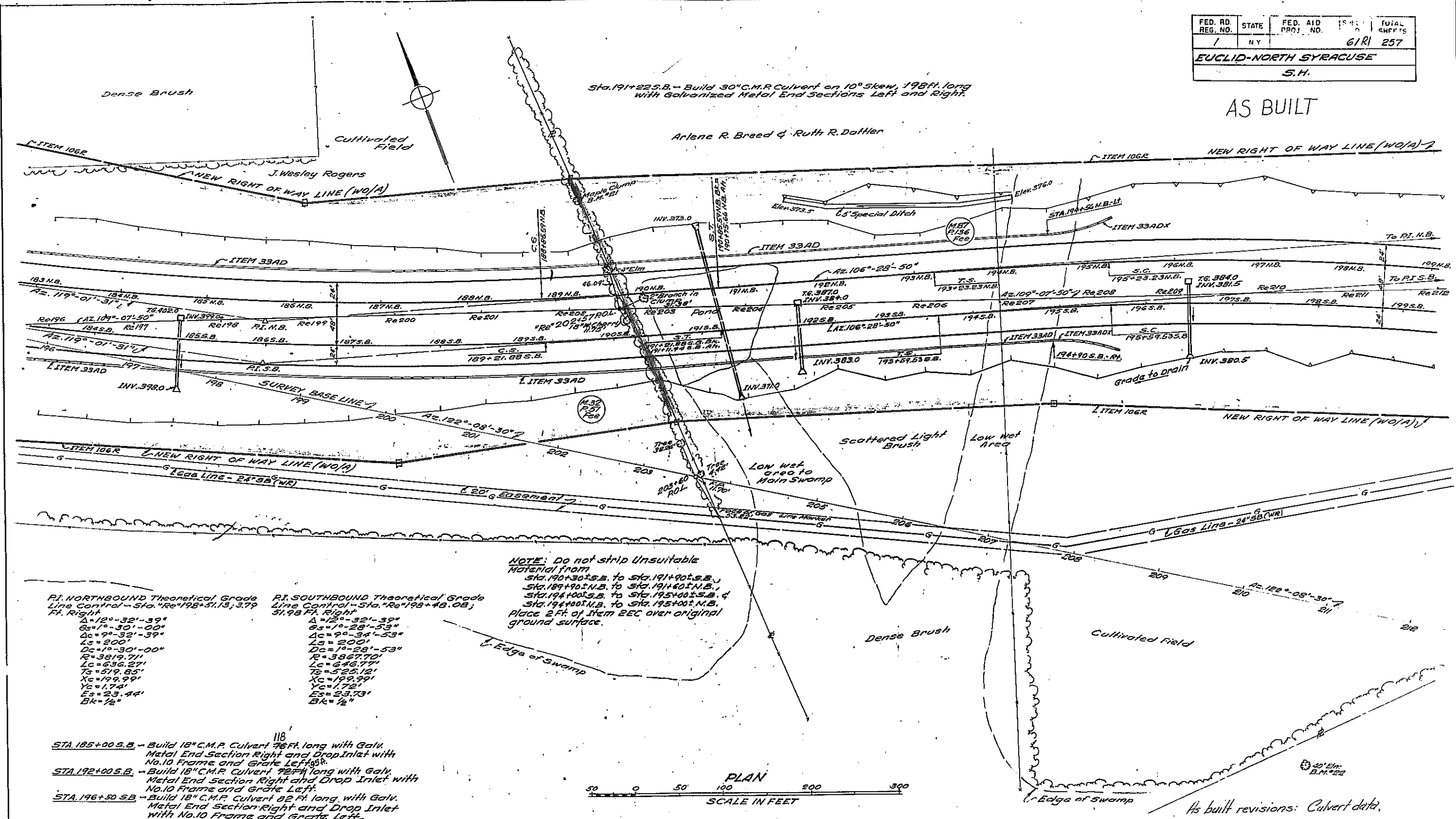


As built revisions: Culvert data changes.

Made by: John P. Blanner
 Checked by: J. Wesley Rogers
 Traced by: M. Balto
 Checked by: R. H. Hurd

FED. RD. REG. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	NY		61/1	257
EUCLID-NORTH SYRACUSE				
S.H.				

AS BUILT



NOTE: Do not strip unsuitable material from Sta. 190+30 S.B. to Sta. 191+00 S.B., Sta. 189+90 N.B. to Sta. 191+00 N.B., Sta. 194+00 S.B. to Sta. 195+00 S.B. & Sta. 194+00 N.B. to Sta. 195+00 N.B. Place 2 ft. of Item EEC over original ground surface.

<p>PI. NORTHBOUND Theoretical Grade Line Control - Sta. "Re" 198+51.13, 3.79 Ft. Right</p> <p>A = 12°-32'-39" B = 1°-50'-00" C = 9°-32'-39" L = 200' D = 1°-30'-00" R = 3819.71' Lc = 636.27' Ts = 519.85' Xc = 199.99' Yc = 1.74' Es = 23.44' Bk = 1/2"</p>	<p>PI. SOUTHBOUND Theoretical Grade Line Control - Sta. "Re" 198+48.08, 51.98 Ft. Right</p> <p>A = 12°-32'-39" B = 1°-28'-53" C = 9°-34'-53" L = 200' D = 1°-28'-53" R = 3867.70' Lc = 646.77' Ts = 525.12' Xc = 199.99' Yc = 1.72' Es = 23.73' Bk = 1/2"</p>
---	--

As built revisions: Culvert data.

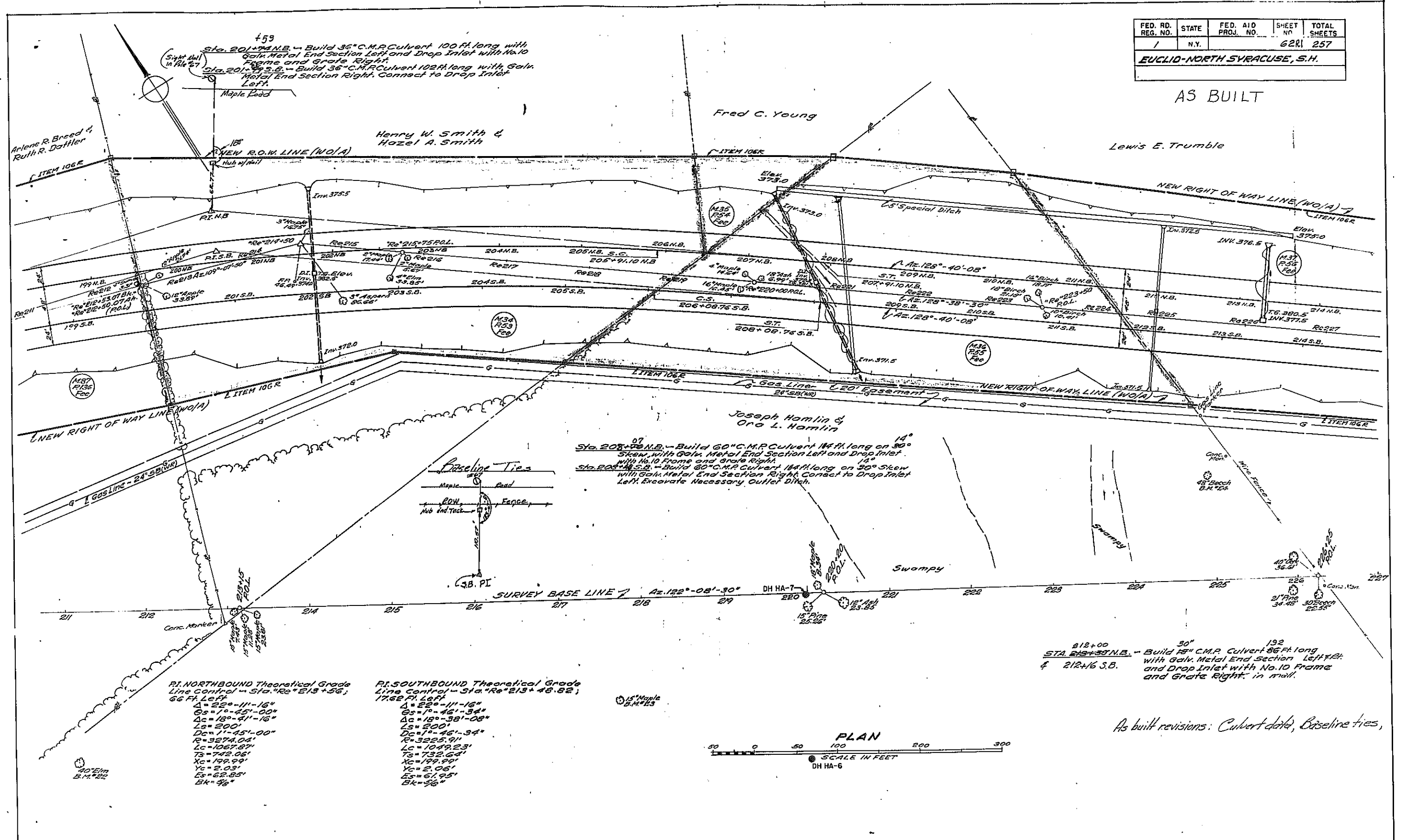
DH HA-5

Made by John C. Shannon Checked by W. J. [unclear] Traced by Ken Belts Checked by R. [unclear]

FED. RD. REG. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		628	257

EUCLID-NORTH SYRACUSE, S.H.

AS BUILT



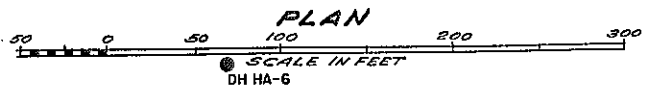
PI. NORTHBOUND Theoretical Grade Line Control - Sta. Re 213+56; 66 Ft. Left

$\Delta = 22^\circ-11'-16''$
 $Q = 1^\circ-45'-00''$
 $Q_c = 18^\circ-41'-16''$
 $L_s = 200'$
 $D_c = 11'-45'-00''$
 $R = 3274.04'$
 $L_c = 107.87'$
 $T_s = 742.06'$
 $X_c = 199.99'$
 $Y_c = 2.03'$
 $E_s = 62.85'$
 $B_k = 5/8''$

PI. SOUTHBOUND Theoretical Grade Line Control - Sta. Re 213+48.82; 17.62 Ft. Left

$\Delta = 22^\circ-11'-16''$
 $Q = 1^\circ-45'-00''$
 $Q_c = 18^\circ-38'-08''$
 $L_s = 200'$
 $D_c = 1^\circ-46'-34''$
 $R = 3225.91'$
 $L_c = 1049.23'$
 $T_s = 732.64'$
 $X_c = 199.99'$
 $Y_c = 2.08'$
 $E_s = 61.85'$
 $B_k = 5/8''$

812+00
STA. 812+30 N.B. - Build 30" C.M.P. Culvert 86 Ft. long with Galv. Metal End Section Left & Right and Drop Inlet with No. 10 Frame and Grate Right. in mail.
 & 212+16 S.B.



As built revisions: Culvert data, Baseline ties,

Made by John C. Mann Checked by W. J. [unclear] Traced by [unclear] Checked by [unclear]

FED. RD. REG. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1			63	257
EUCLID-NORTH SYRACUSE, S.H.				

AS BUILT

PI. NORTHBOUND Theoretical Grade Line Control
 Sta. "Re" 230+57, 30 Ft. Left
 Δ = 0°-24'-19"
 D = 0°-20'-00"
 R = 17,188.73'
 T = 60.79'
 LC = 121.60'
 E = 0.11'
 BK = N.C.

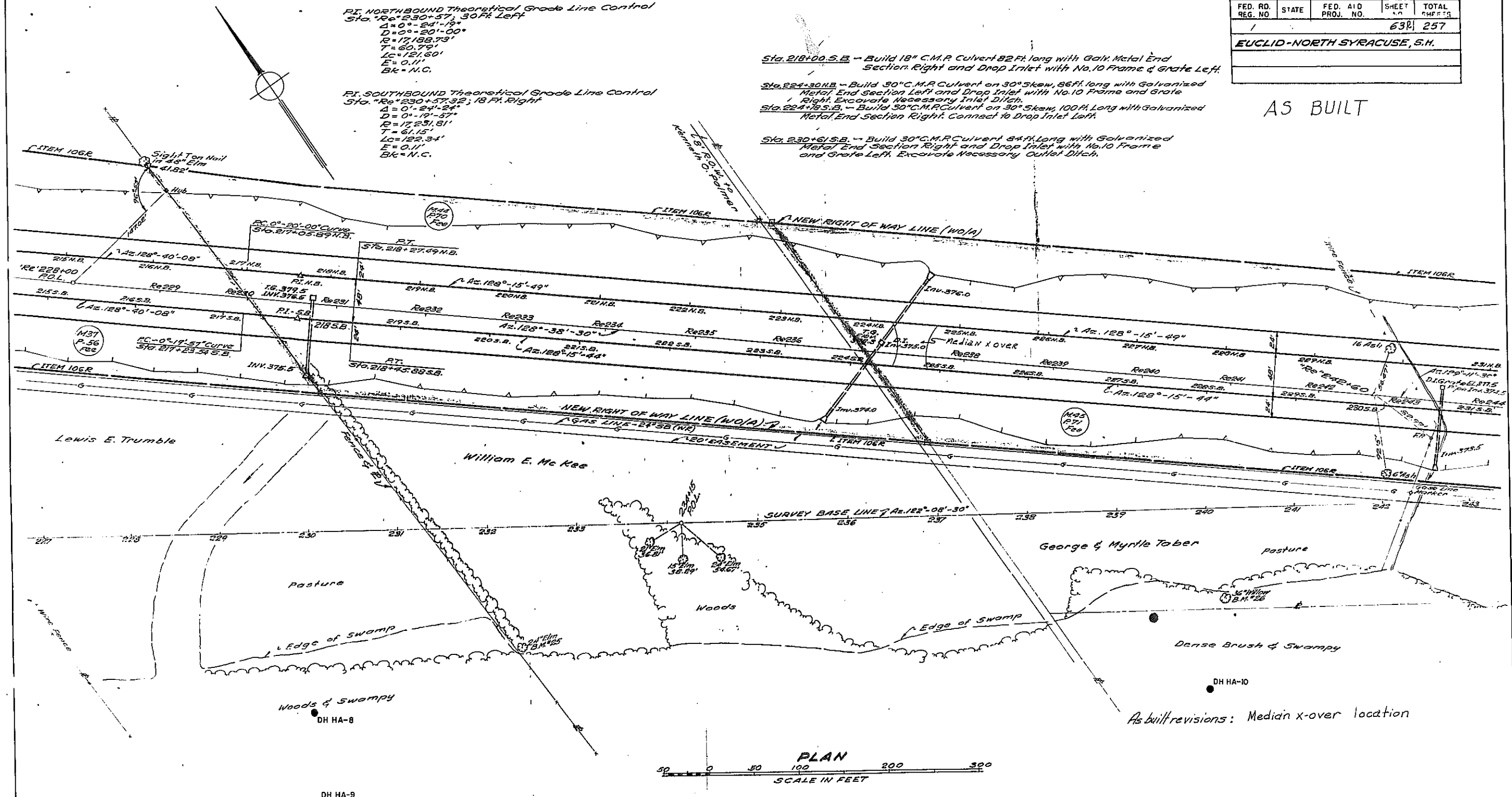
PI. SOUTHBOUND Theoretical Grade Line Control
 Sta. "Re" 230+57.32, 18 Ft. Right
 Δ = 0°-24'-24"
 D = 0°-19'-57"
 R = 17,231.81'
 T = 61.15'
 LC = 122.34'
 E = 0.11'
 BK = N.C.

Sta. 218+00 S.B. - Build 18" C.M.P. Culvert 82 Ft. long with Galv. Metal End Section Right and Drop Inlet with No. 10 Frame & Grate Left.

Sta. 224+30 N.B. - Build 30" C.M.P. Culvert on 30° Skew, 86 Ft. long with Galvanized Metal End Section Left and Drop Inlet with No. 10 Frame and Grate Right. Excavate Necessary Inlet Ditch.

Sta. 224+75 S.B. - Build 30" C.M.P. Culvert on 30° Skew, 100 Ft. Long with Galvanized Metal End Section Right. Connect to Drop Inlet Left.

Sta. 230+61 S.B. - Build 30" C.M.P. Culvert 84 Ft. Long with Galvanized Metal End Section Right and Drop Inlet with No. 10 Frame and Grate Left. Excavate Necessary Outlet Ditch.



PLAN
 SCALE IN FEET

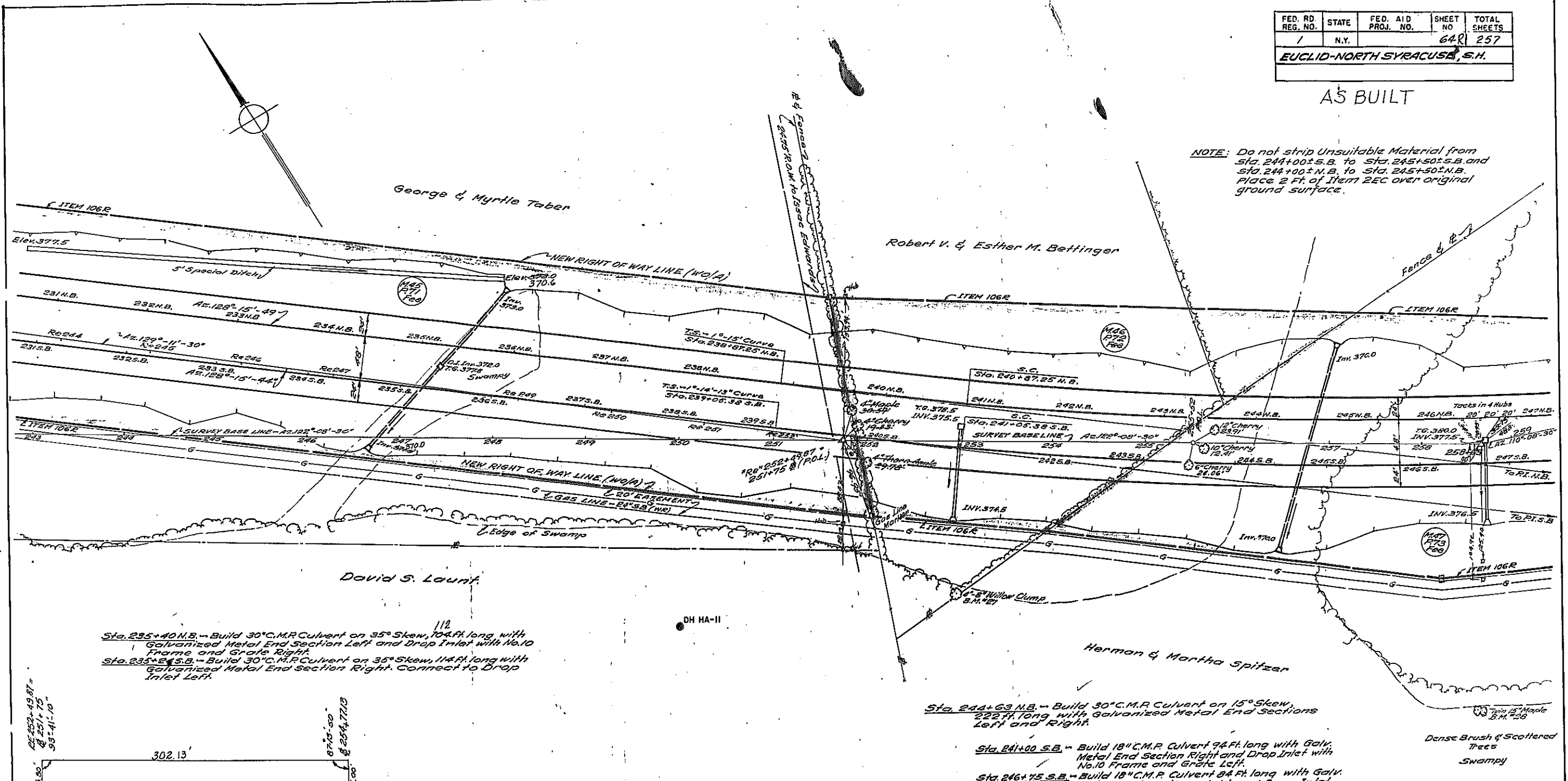
As built revisions: Median x-over location

Made by: John C. Shannon
 Checked by: Alex. B. Batta
 Traced by: Alex. B. Batta
 Checked by: R. H. Anderson

FED. RD. REG. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		648	257
EUCLID-NORTH SYRACUSE, S.H.				

AS BUILT

NOTE: Do not strip Unsuitable Material from Sta. 244+00 S.B. to Sta. 245+50 S.B. and Sta. 244+00 N.B. to Sta. 245+50 N.B. Place 2 Ft. of Item 2EC over original ground surface.



112
 Sta. 235+40 N.B. - Build 30" C.M.P. Culvert on 35° Skew, 104 Ft. long with Galvanized Metal End Section Left and Drop Inlet with No. 10 Frame and Grate Right.
 Sta. 235+24 S.B. - Build 30" C.M.P. Culvert on 35° Skew, 114 Ft. long with Galvanized Metal End Section Right. Connect to Drop Inlet Left.

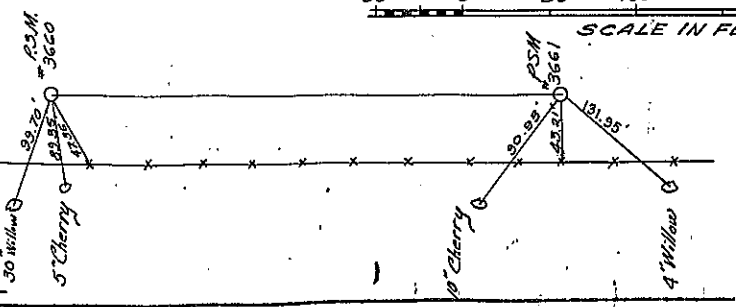
Sta. 244+63 N.B. - Build 30" C.M.P. Culvert on 15° Skew, 222 Ft. long with Galvanized Metal End Sections Left and Right.

Sta. 241+00 S.B. - Build 18" C.M.P. Culvert 94 Ft. long with Galv. Metal End Section Right and Drop Inlet with No. 10 Frame and Grate Left.
 Sta. 246+75 S.B. - Build 18" C.M.P. Culvert 84 Ft. long with Galv. Metal End Section Right and Drop Inlet with No. 10 Frame and Grate Left. Excavate Necessary Outlet Ditch.

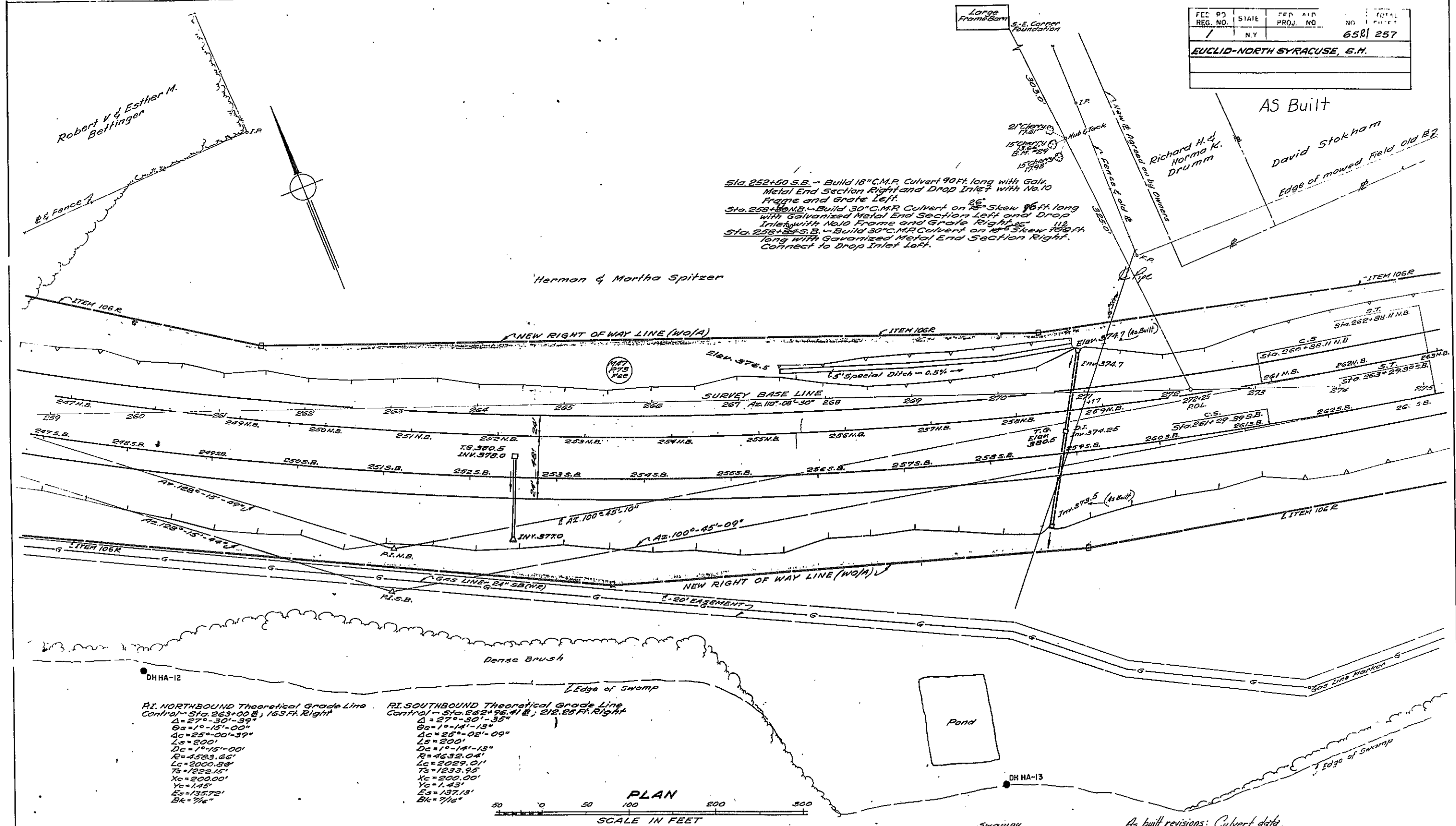


As built revisions: Baseline ties
 Permanent Survey Markers

Made by: John E. Skanner
 Checked by: Alex. Belto
 Traced by: R. H. ...
 Checked by: R. H. ...



FED. RD. REG. NO.	STATE	FED. AID PROJ. NO.	NO.	TOTAL SHEETS
1	NY		658	257
EUCLID-NORTH SYRACUSE, S.H.				



Sta. 252+50 S.B. - Build 18" C.M.P. Culvert 90 Ft. long with Galv. Metal End Section Right and Drop Inlet with No. 10 Frame and grate Left.
 Sta. 253+80 N.B. - Build 30" C.M.P. Culvert on 18° Skew 85 Ft. long with Galvanized Metal End Section Left and Drop Inlet with No. 10 Frame and Grate Right.
 Sta. 258+85 S.B. - Build 30" C.M.P. Culvert on 18° Skew 105 Ft. long with Galvanized Metal End Section Right. Connect to Drop Inlet Left.

RI NORTHBOUND Theoretical Grade Line
 Control - Sta. 263+00 B; 163 Ft. Right
 $\Delta = 27^\circ - 30' - 39''$
 $\theta_s = 1^\circ - 15' - 00''$
 $\Delta c = 25^\circ - 00' - 39''$
 $L_s = 200'$
 $D_c = 1^\circ - 15' - 00''$
 $R_c = 1583.65'$
 $L_c = 2000.58'$
 $T_s = 1222.15'$
 $X_c = 200.00'$
 $Y_c = 1.45'$
 $E_s = 135.72'$
 $B_k = 7/16''$

RI SOUTHBOUND Theoretical Grade Line
 Control - Sta. 262+96.41 B; 212.25 Ft. Right
 $\Delta = 27^\circ - 30' - 35''$
 $\theta_s = 1^\circ - 14' - 13''$
 $\Delta c = 25^\circ - 02' - 09''$
 $L_s = 200'$
 $D_c = 1^\circ - 14' - 13''$
 $R_c = 4632.04'$
 $L_c = 2029.01'$
 $T_s = 1233.95'$
 $X_c = 200.00'$
 $Y_c = 1.43'$
 $E_s = 137.13'$
 $B_k = 7/16''$

PLAN

SCALE IN FEET

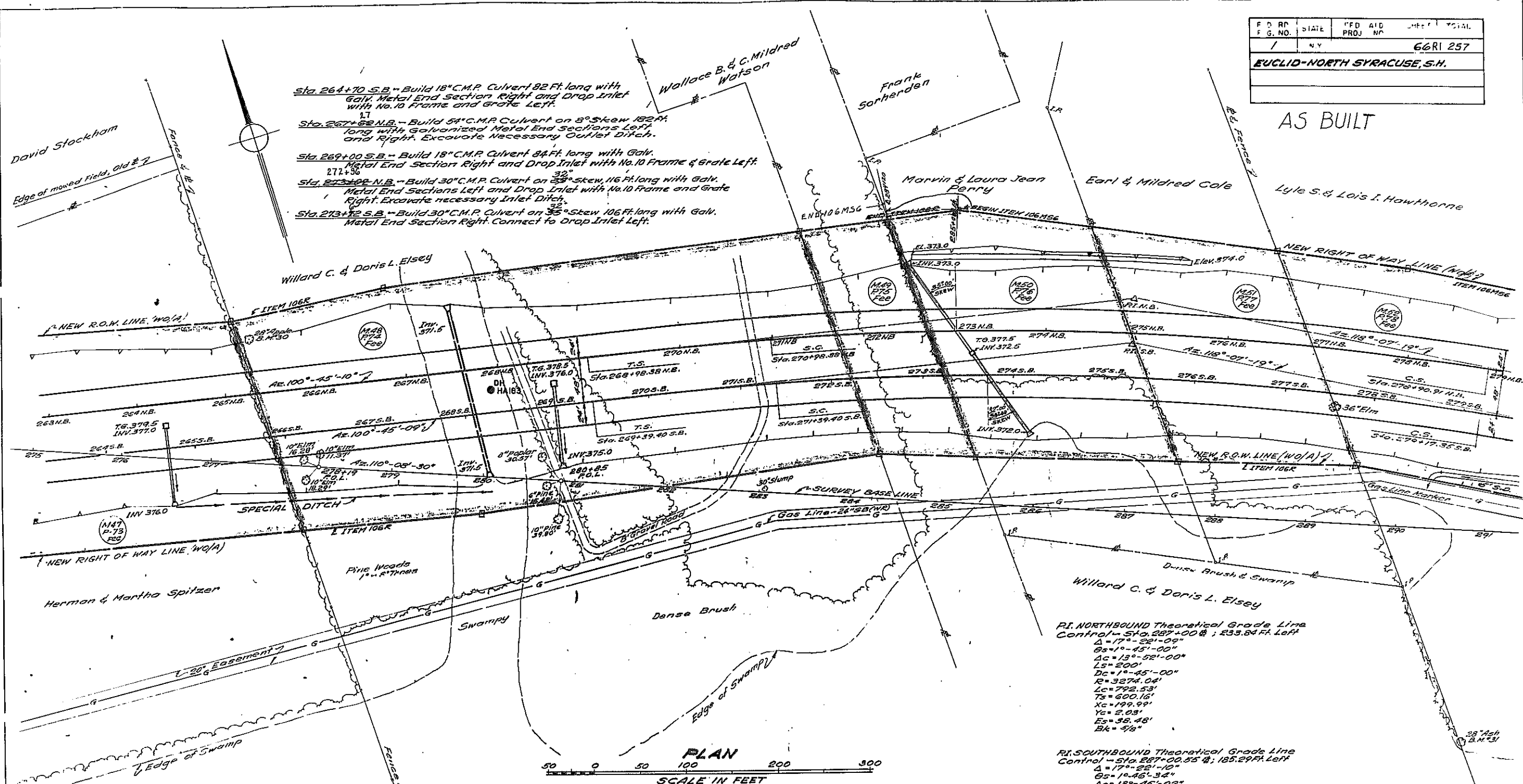
As built revisions: Culvert data,

Made by: John P. Shannon
 Checked by: Alex B. Co.
 Traced by: K. Hartung
 Checked by: [Signature]

F.D. NO.	STATE	FED. AID PROJ. NO.	SHEET	TOTAL
1	N.Y.		66RI 257	
EUCLID-NORTH SYRACUSE, S.H.				

AS BUILT

- Sta. 264+70 S.B. - Build 18" C.M.P. Culvert 82 Ft. long with Galv. Metal End Section Right and Drop Inlet with No. 10 Frame and grate Left.
- Sta. 267+68 N.B. - Build 54" C.M.P. Culvert on 8° Skew 182 Ft. long with galvanized Metal End Sections Left and Right. Excavate Necessary Outlet Ditch.
- Sta. 269+00 S.B. - Build 18" C.M.P. Culvert 84 Ft. long with Galv. Metal End Section Right and Drop Inlet with No. 10 Frame & Grate Left.
- Sta. 273+02 N.B. - Build 30" C.M.P. Culvert on 33° skew 116 Ft. long with Galv. Metal End Sections Left and Drop Inlet with No. 10 Frame and Grate Right. Excavate necessary Inlet Ditch.
- Sta. 273+12 S.B. - Build 30" C.M.P. Culvert on 35° Skew 106 Ft. long with Galv. Metal End Section Right. Connect to Drop Inlet Left.



RI, NORTHBOUND Theoretical Grade Line
 Control = Sta. 267+00 B; 233.84 Ft. Left
 $\Delta = 17^\circ - 22' - 09''$
 $Os = 1^\circ - 45' - 00''$
 $Ac = 13^\circ - 52' - 00''$
 $Ls = 200'$
 $Dc = 1^\circ - 45' - 00''$
 $R = 3274.04'$
 $Lc = 792.53'$
 $Ts = 600.15'$
 $Xc = 199.99'$
 $Yc = 2.03'$
 $Es = 38.48'$
 $Bk = 5/8''$

RI, SOUTHBOUND Theoretical Grade Line
 Control = Sta. 267+00.55 B; 185.29 Ft. Left
 $\Delta = 17^\circ - 22' - 10''$
 $Os = 1^\circ - 46' - 34''$
 $Ac = 13^\circ - 45' - 02''$
 $Ls = 200'$
 $Dc = 1^\circ - 46' - 34''$
 $R = 3225.91'$
 $Lc = 777.95'$
 $Ts = 592.82'$
 $Xc = 192.99'$
 $Yc = 2.05'$
 $Es = 37.93'$
 $Bk = 5/8''$

As built revisions: Culvert data

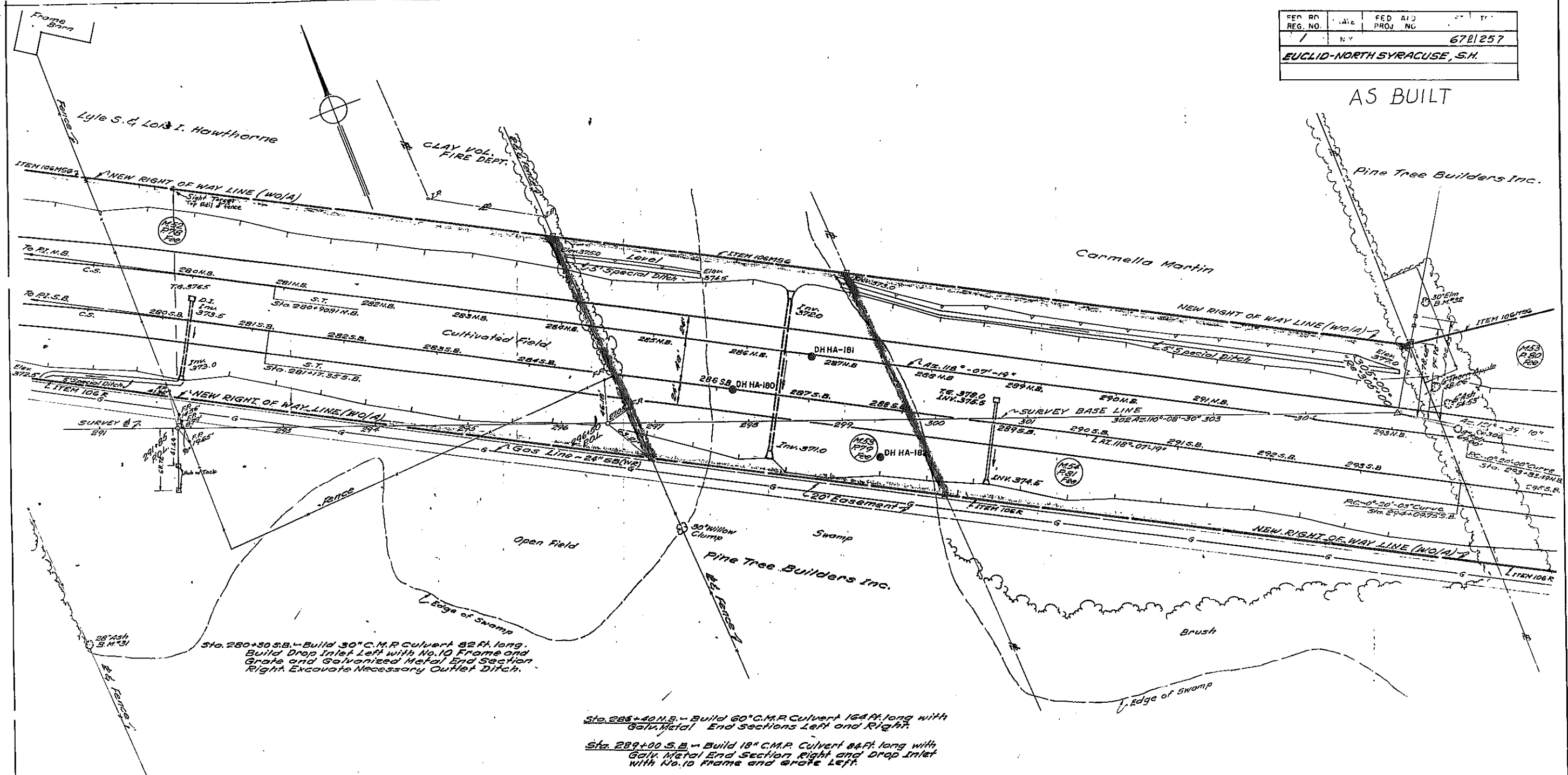
NOTE: Do not strip Unsuitable Material from Sta. 267+50± S.B. to Sta. 268+70± S.B. and Sta. 267+00± N.B. to Sta. 268+20± N.B. Place 2 Ft. of Item 2EC over original ground surface.

Made by: John E. Skamm
 Checked by: Alex. Be. Co.
 Traced by: N. H. ...
 Checked by: N. H. ...

DH HA-14

FED. RD. REG. NO.	DATE	FED. AID PROJ. NO.	SY. TR.
1	NY	67B1257	
EUCLID-NORTH SYRACUSE, S.H.			

AS BUILT



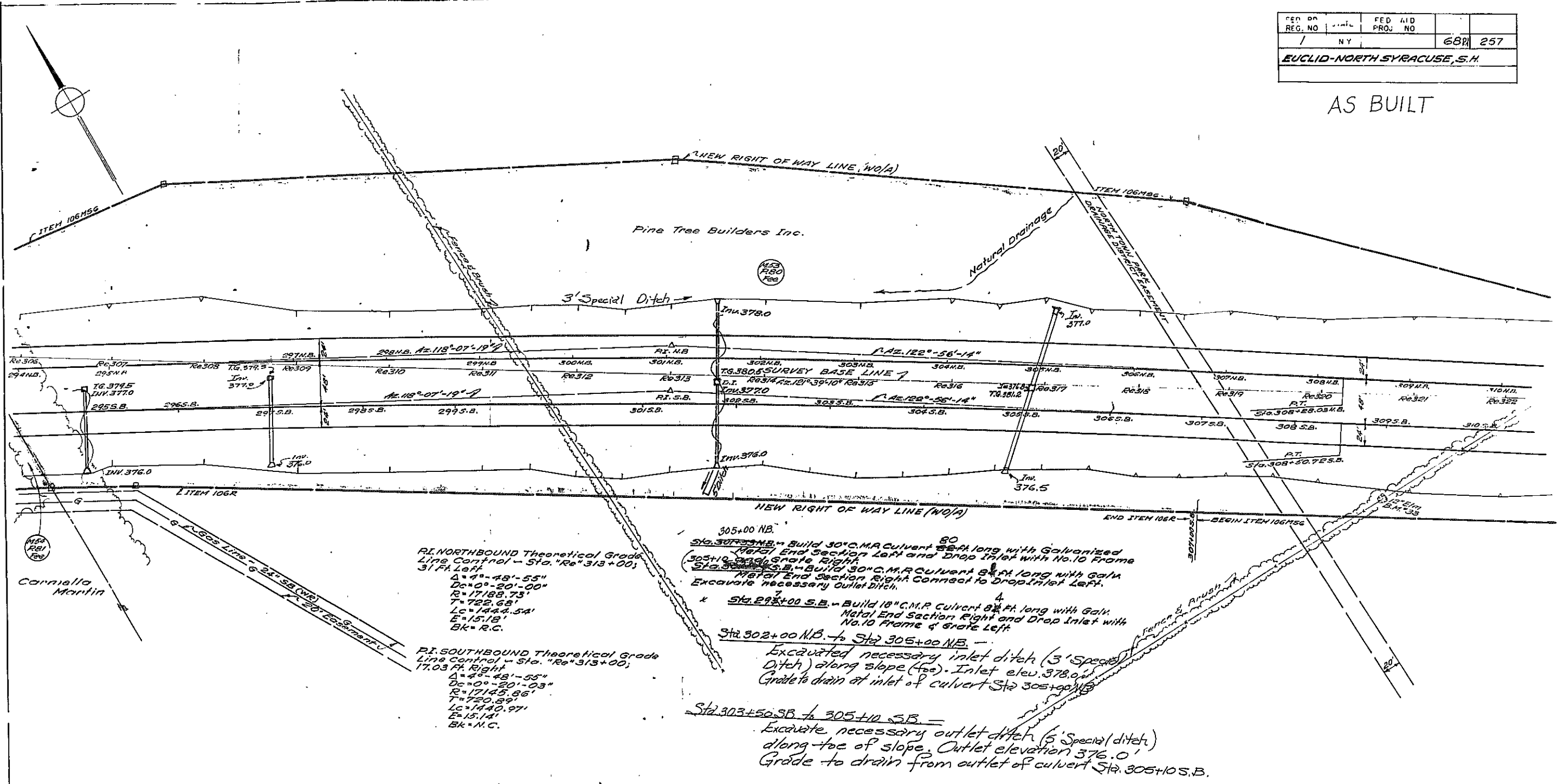
As built revisions: Baseline ties,



Made by: John P. Shannon Checked by: John P. Shannon Traced by: Alexis Checked by: W. Anderson

FED. OR REG. NO.	FED. AID PROJ. NO.	68	257
EUCLID-NORTH SYRACUSE, S.H.			

AS BUILT



As built revisions: Culvert data changes.

Made by: *John A. Shannon* Checked by: *Flora J. [unclear]* Traced by: *Alex. Belts* Checked by: *K. [unclear]*

FED. RD. REG. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		69	257
EUCLID-NORTH SYRACUSE, S.H.				

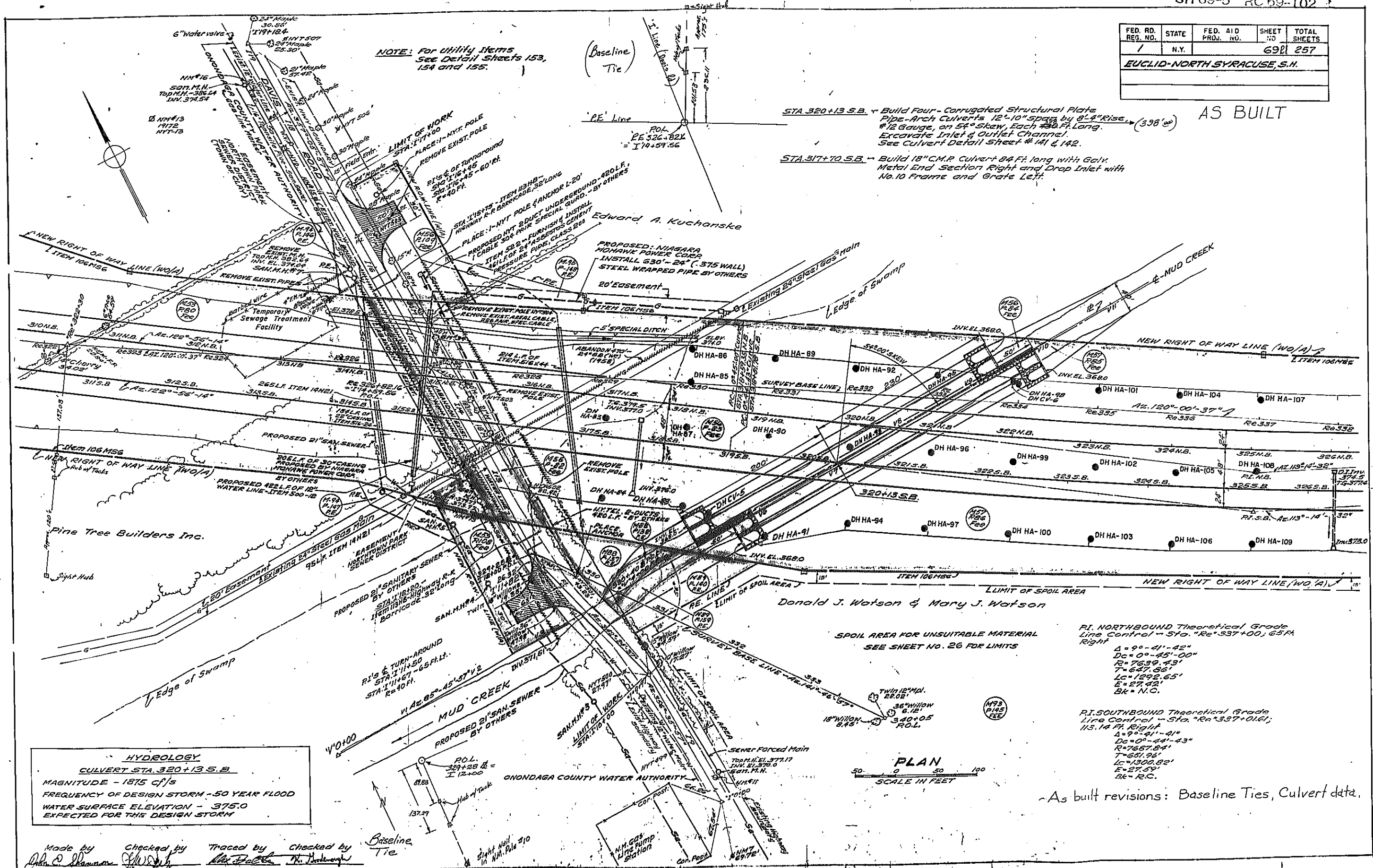
NOTE: For utility items See Detail Sheets 153, 154 and 155.

(Baseline Tie)

STA. 320+13 S.B. - Build Four - Corrugated Structural Plate Pipe-Arch Culverts 12'-10" Spans by 8'-2" Rise, #12 Gauge, on 5° Skew, Each 438 Ft. Long. Excavate Inlet & Outlet Channel. See Culvert Detail Sheet # 141 & 142.

STA. 317+70 S.B. - Build 18" C.M.P. Culvert 84 Ft. long with Galv. Metal End Section Right and Drop Inlet with No. 10 Frame and Grate Left.

AS BUILT



HYDROLOGY
CULVERT STA. 320+13 S.B.
 MAGNITUDE - 1375 cfs
 FREQUENCY OF DESIGN STORM - 50 YEAR FLOOD
 WATER SURFACE ELEVATION - 375.0
 EXPECTED FOR THE DESIGN STORM

P.I. NORTHBOUND Theoretical Grade
 Line Control - Sta. +Re+337+00; 65 Ft. Right
 $\Delta = 9^{\circ}-41'-42''$
 $D_c = 0^{\circ}-45'-00''$
 $R = 7639.43'$
 $T = 647.86'$
 $L_c = 1292.65'$
 $E = 27.42'$
 $Bk = N.C.$

P.I. SOUTHBOUND Theoretical Grade
 Line Control - Sta. +Re+337+01.61;
 115.14 Ft. Right
 $\Delta = 9^{\circ}-41'-41''$
 $D_c = 0^{\circ}-44'-43''$
 $R = 7667.84'$
 $T = 651.98'$
 $L_c = 1300.82'$
 $E = 27.59'$
 $Bk = N.C.$

SPOIL AREA FOR UNSUITABLE MATERIAL
 SEE SHEET NO. 26 FOR LIMITS

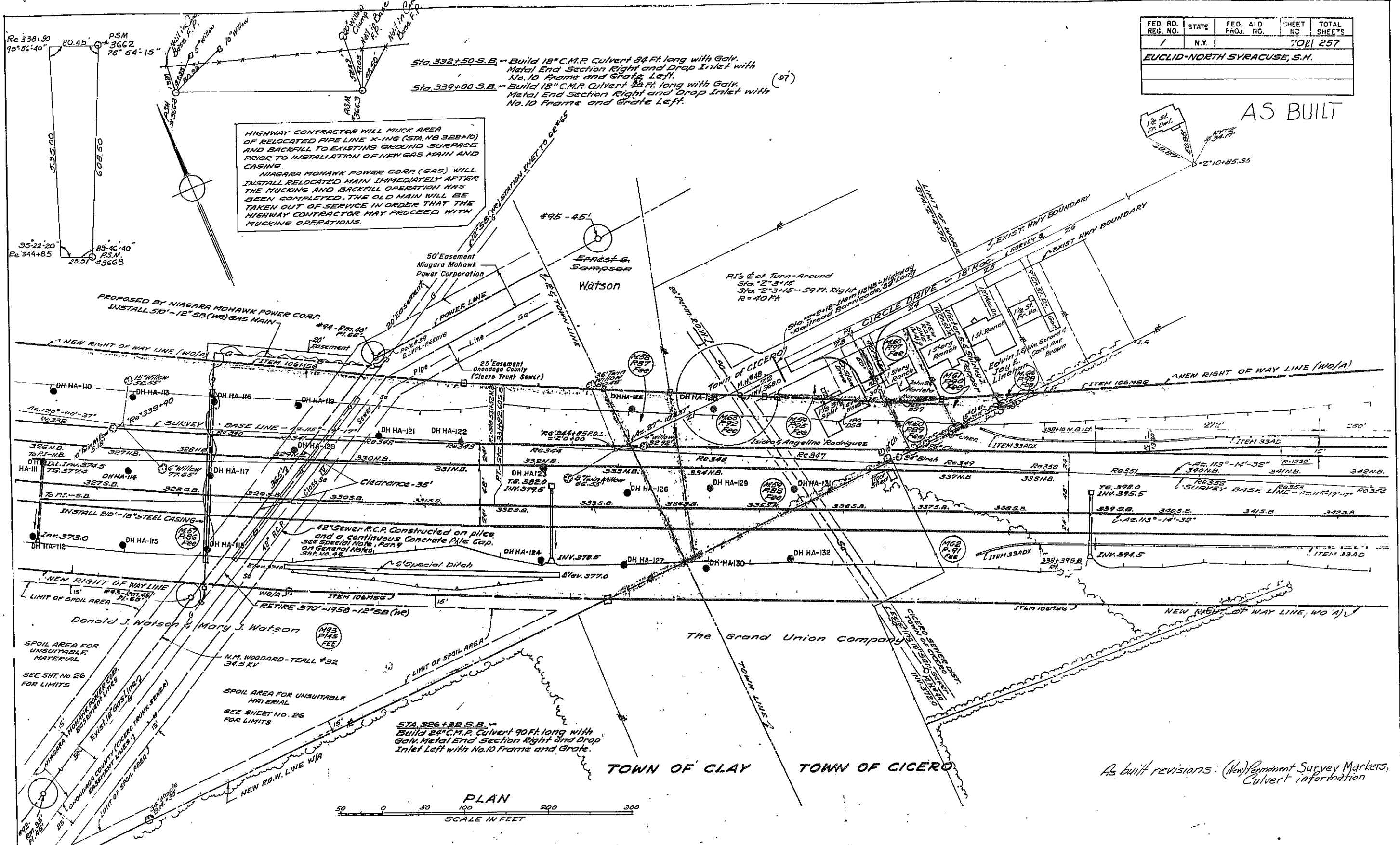


Made by John P. Shannon Checked by W. J. [unclear] Traced by Mike [unclear] Checked by Mike [unclear]
 Baseline Tie

As built revisions: Baseline Ties, Culvert data.

FED. RD. REG. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		7081	257
EUCLID-NORTH SYRACUSE, S.H.				

AS BUILT



HIGHWAY CONTRACTOR WILL MUCK AREA OF RELOCATED PIPE LINE X-ING (STA. NB 328+10) AND BACKFILL TO EXISTING GROUND SURFACE PRIOR TO INSTALLATION OF NEW GAS MAIN AND CASING.
 NIAGARA MOHAWK POWER CORP (GAS) WILL INSTALL RELOCATED MAIN IMMEDIATELY AFTER THE MUCKING AND BACKFILL OPERATION HAS BEEN COMPLETED. THE OLD MAIN WILL BE TAKEN OUT OF SERVICE IN ORDER THAT THE HIGHWAY CONTRACTOR MAY PROCEED WITH MUCKING OPERATIONS.

PROPOSED BY NIAGARA MOHAWK POWER CORP. INSTALL 50" - 12" SB (WE) GAS MAIN.

STA. 326+32 S.B. - Build 24" C.M.P. Culvert 90 Ft long with Galv. Metal End Section Right and Drop Inlet Left with No. 10 Frame and Grate.



As built revisions: (New) Permanent Survey Markers, Culvert information

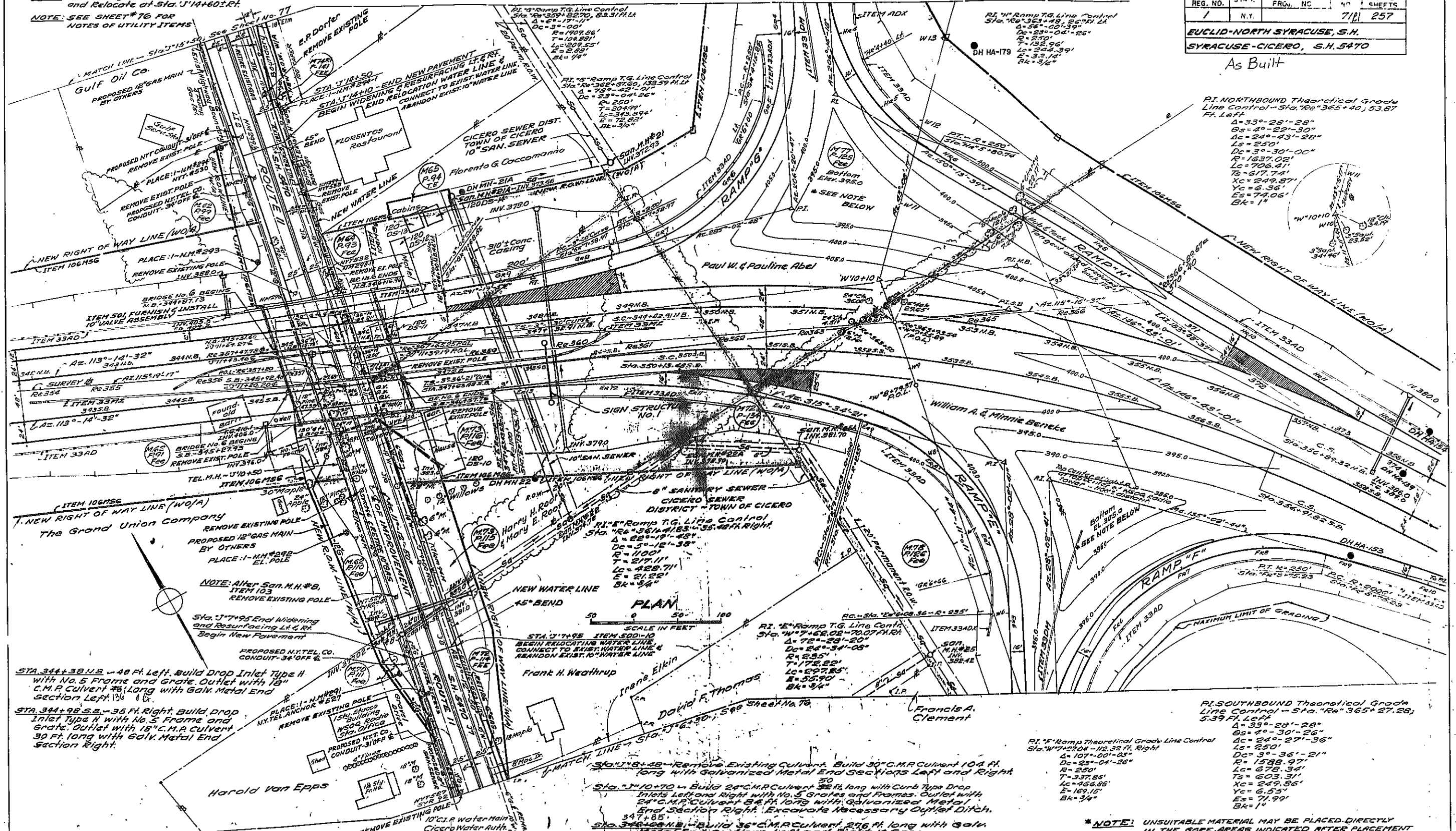
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 Checked by: [Signature]
 Traced by: [Signature]
 Checked by: [Signature]

FED. RD. REG. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		71	257

EUCLID-NORTH SYRACUSE, S.H.
SYRACUSE-CICERO, S.H. 5470
 As Built

ITEM 504
 NOTE: Remove Hydrant at Sta. J'12+25.41 and Relocate at Sta. J'14+60.41.
 NOTE: SEE SHEET #76 FOR NOTES OF UTILITY ITEMS

Sta. J'20+60 - Built 18" C.M.P. Culvert 92.14' Long of 1 End Sect. (Gable Mt.) & 1 Drop Inlet.



PI. NORTHBOUND Theoretical Grade Line Control - Sta. 100+00 to 100+40, 53.87 Ft. Left
 L=330'-28'-28"
 Gs=40'-20'-30"
 Cc=240'-43'-28"
 Ls=250'
 Dc=30'-30'-00"
 R=1637.02'
 Lc=706.41'
 Ts=517.74'
 Yc=249.87'
 Ys=6.36'
 Es=74.06'
 Bk=1'

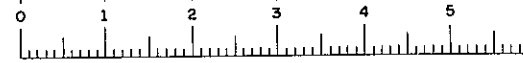
PI. SOUTHBOUND Theoretical Grade Line Control - Sta. 100+00 to 100+40, 53.87 Ft. Right
 L=330'-28'-28"
 Gs=40'-30'-26"
 Cc=240'-27'-36"
 Ls=250'
 Dc=30'-36'-21"
 R=1598.97'
 Lc=678.34'
 Ts=603.31'
 Yc=249.86'
 Ys=6.55'
 Es=71.99'
 Bk=1'



***NOTE:** UNSUITABLE MATERIAL MAY BE PLACED DIRECTLY IN THE GORE AREAS INDICATED AFTER PLACEMENT OF EMBANKMENT FOR RAMPS. NO PAYMENT WILL BE MADE FOR STOCKPILING UNSUITABLE MATERIAL.

Made by: *John C. Shannon* Checked by: *W. J. Kelly* Traced by: *Alex. J. Zeff* Checked by: *K. J. ...*

As built revisions: Culvert data



ITEM 504
 NOTE: Remove Hydrant at Sta. J'12+25.1R
 and Relocate at Sta. J'14+60.1R.
 NOTE: SEE SHEET #76 FOR
 NOTES OF UTILITY ITEMS

Water Service Connectors

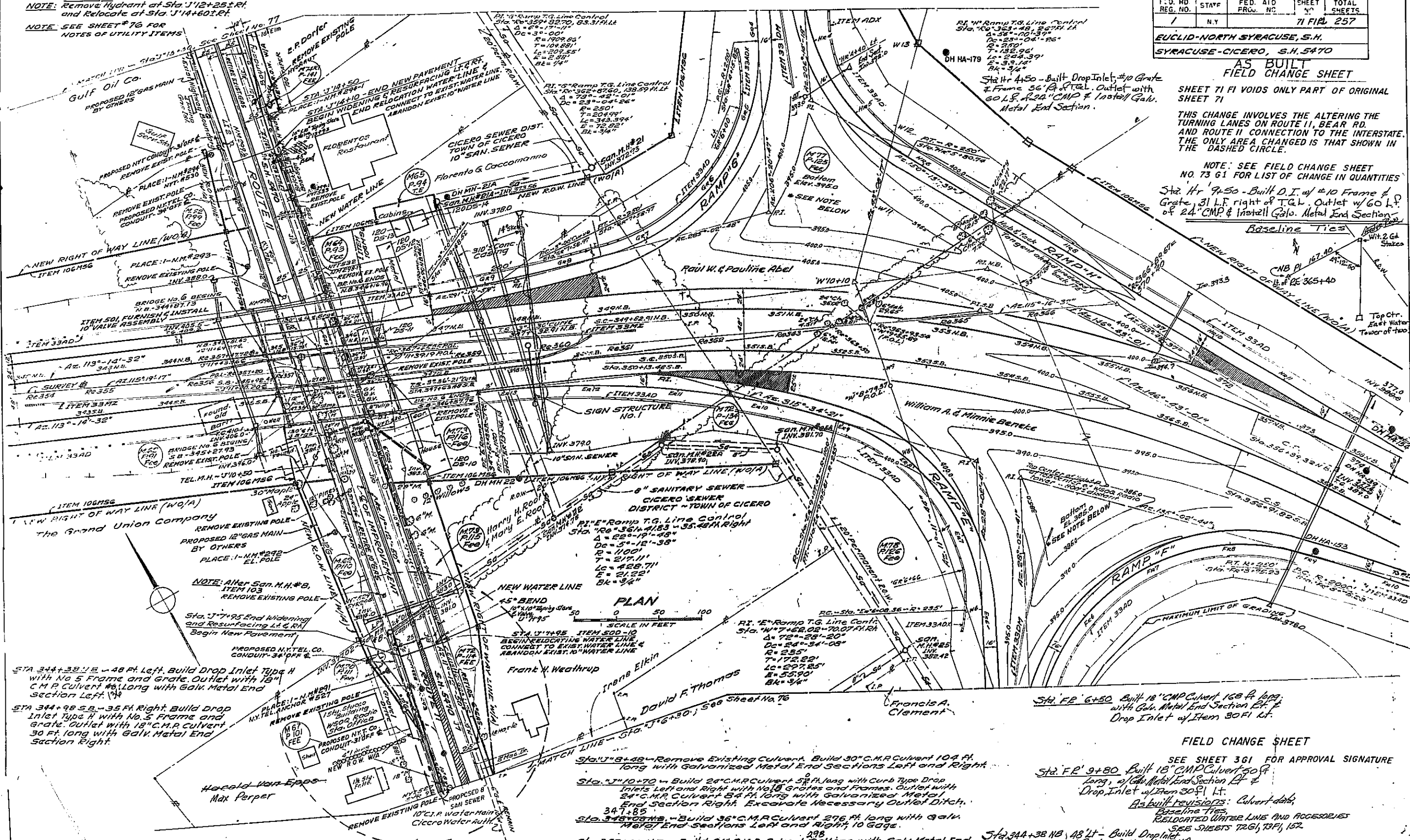
FED. RD. REG. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		71	257

EUCLID-NORTH SYRACUSE, S.H.
SYRACUSE-CICERO, S.H. 5470

**AS BUILT
 FIELD CHANGE SHEET**

SHEET 71 FI VOIDS ONLY PART OF ORIGINAL SHEET 71
 THIS CHANGE INVOLVES THE ALTERING THE TURNING LANES ON ROUTE 11, BEAR RD. AND ROUTE 11 CONNECTION TO THE INTERSTATE. THE ONLY AREA CHANGED IS THAT SHOWN IN THE DASHED CIRCLE.

NOTE: SEE FIELD CHANGE SHEET NO. 73 61 FOR LIST OF CHANGE IN QUANTITIES
 Sta. Hr. 9+50 - Built D.I. of #10 Frame & Grate, 31 L.F. right of T.G.L. Outlet w/60 L.F. of 24" CMP & Install Galv. Metal End Section.



PLAN

SCALE IN FEET
 0 50 100

FIELD CHANGE SHEET

- SEE SHEET 361 FOR APPROVAL SIGNATURE
- Sta. FR' 9+80 - Built 18" CMP Culvert 50 ft long, w/ Galv. Metal End Section Left & Drop Inlet w/ Item 30 ft Lt.
- As built revisions: Culvert data, Baseline Ties, RELOCATED WATER LINES AND ACCESSORIES. SEE SHEETS 72, 73, 74, 157.
- Sta. 344+38 NB, 48' Lt - Build Drop Inlet Type H with No. 5 Frame & Grate. Outlet w/ 18" CMP 152' long to O.I. Sta. 344+98 - 35' Lt. & Sta. 344+98B. Build O.I. Sta. 344+98B. Outlet w/ 60 L.F. of 24" CMP & Install Galv. Metal End Section.

Checked by: [Signature]
 Traced by: [Signature]
 Checked by: [Signature]

DESIGNER: [Signature]
 TRACED BY: [Signature]
 CHECKED BY: [Signature]

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		72R	257

EUCLED-NORTH SYRACUSE, S.H.
SYRACUSE-CICERO, S.H. 5470

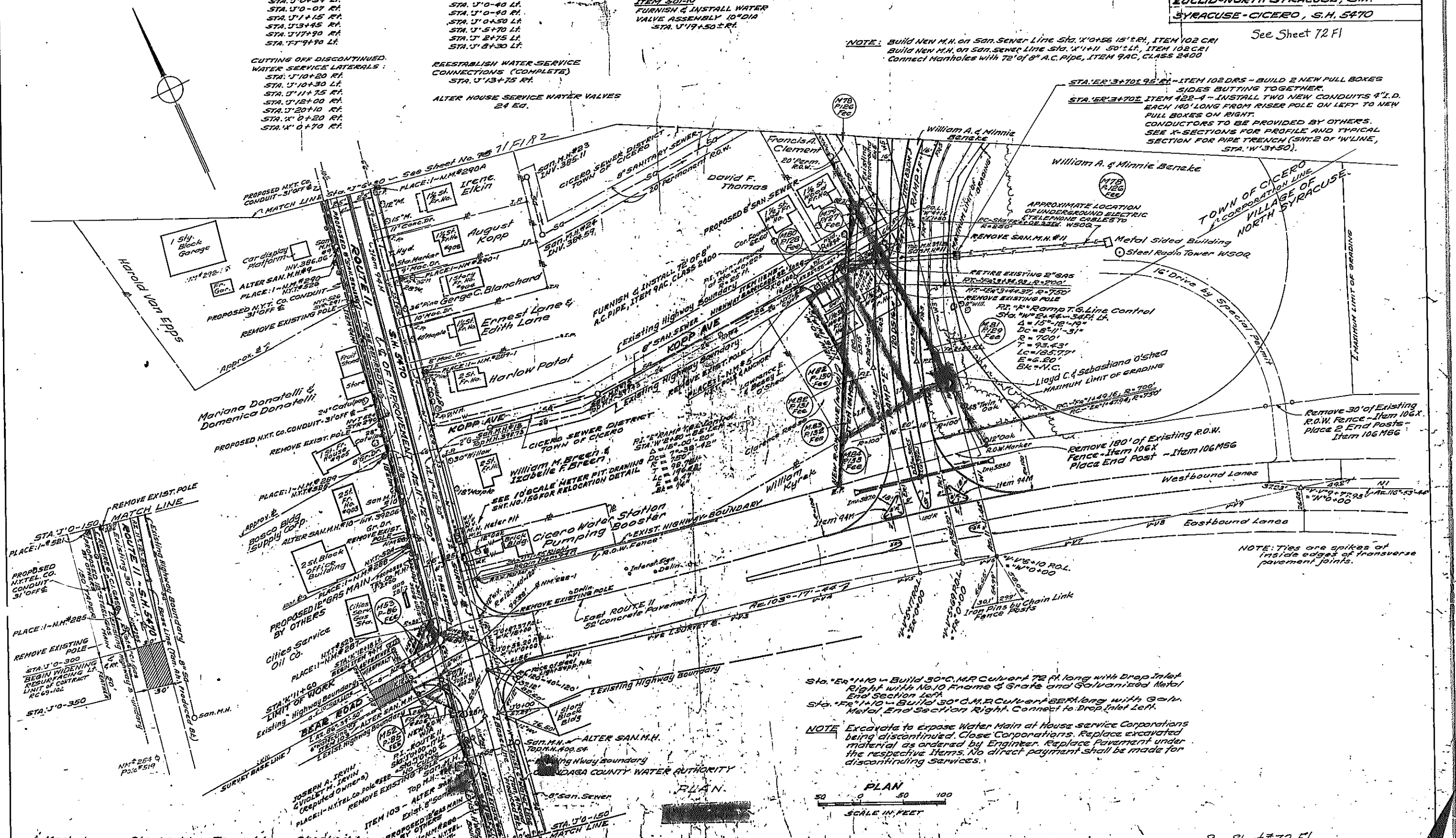
See Sheet 72 F1

NOTE: Build New M.H. on San. Sewer Line Sta. X'0+56 15'± R.I., ITEM 102 CRI
Build New M.H. on San. Sewer Line Sta. X'1+11 50'± L.F., ITEM 108 CRI
Connect Manholes with 72" of 8" A.C. Pipe, ITEM 9AC, CLASS 2400

- ALTER WATER VALVE BOXES:**
STA. J'0+59 L.F.
STA. J'0+07 R.F.
STA. J'1+15 R.F.
STA. J'3+45 R.F.
STA. J'17+90 R.F.
STA. J'19+90 L.F.
- CUTTINGS OFF DISCONTINUED WATER SERVICE LATERALS:**
STA. J'10+20 R.F.
STA. J'10+30 L.F.
STA. J'11+75 R.F.
STA. J'12+00 R.F.
STA. J'20+10 R.F.
STA. X'0+20 R.F.
STA. X'0+70 R.F.
- ALTER CATCH BASINS, FIELD INLETS, MANHOLES & DROP INLETS:**
STA. J'0+40 L.F.
STA. J'0+40 R.F.
STA. J'0+50 L.F.
STA. J'5+70 L.F.
STA. J'2+75 L.F.
STA. J'8+30 L.F.
- REESTABLISH WATER SERVICE CONNECTIONS (COMPLETS):**
STA. J'13+75 R.F.
- ALTER HOUSE SERVICE WATER VALVES**
24 EQ.

ITEM 501-10
FURNISH & INSTALL WATER VALVE ASSEMBLY 10" DIA
STA. J'19+50± R.F.

STA. ER'3+70± 95'± R.I. - ITEM 102 DRS - BUILD 2 NEW FULL BOXES SIDES BUTTING TOGETHER.
STA. ER'3+70± ITEM 422-4 - INSTALL TWO NEW CONDUITS 4" I.D. EACH 140' LONG FROM RISER POLE ON LEFT TO NEW FULL BOXES ON RIGHT. CONDUCTORS TO BE PROVIDED BY OTHERS. SEE X-SECTIONS FOR PROFILE AND TYPICAL SECTION FOR PIPE TRENCH (SHT. 2 OF 'W'LINE, STA. W'3+50).



Sta. ER'1+10 - Build 30" C.M.R. Culvert 72 ft long with Drop Inlet Right with No. 10 Frame & Grate and Galvanized Metal End Section Left.
Sta. ER'1+10 - Build 30" C.M.R. Culvert 50 ft long with Galv. Metal End Section Right. Connect to Drop Inlet Left.

NOTE: Excavate to expose Water Main at House service Corporations being discontinued. Close Corporations. Replace excavated material as ordered by Engineer. Replace Pavement under the respective Items. No direct payment shall be made for discontinuing services.



Made by *John C. Stammen* Checked by *J.W. [unclear]* Traced by *[unclear]* Checked by *[unclear]*

See Sheet #72 F1

FED. RD. REG. NO.	STATE	FEDERAL PROJECT	AID NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.			72 G12	

EUCLID-NORTH SYRACUSE, S.H.
SYRACUSE-CICERO, S.H. 5470

FIELD CHANGE SHEET

FOR CONTRACT No. S.H. 69-5, RC 69-102
CAPITAL PROJECT IDENTIFICATION No. 3035.00
SHEET 72 G1 VOIDS ONLY PART OF ORIGINAL SHEET 72.
AND ALL OF FIELD CHANGE SHEET 72 F1

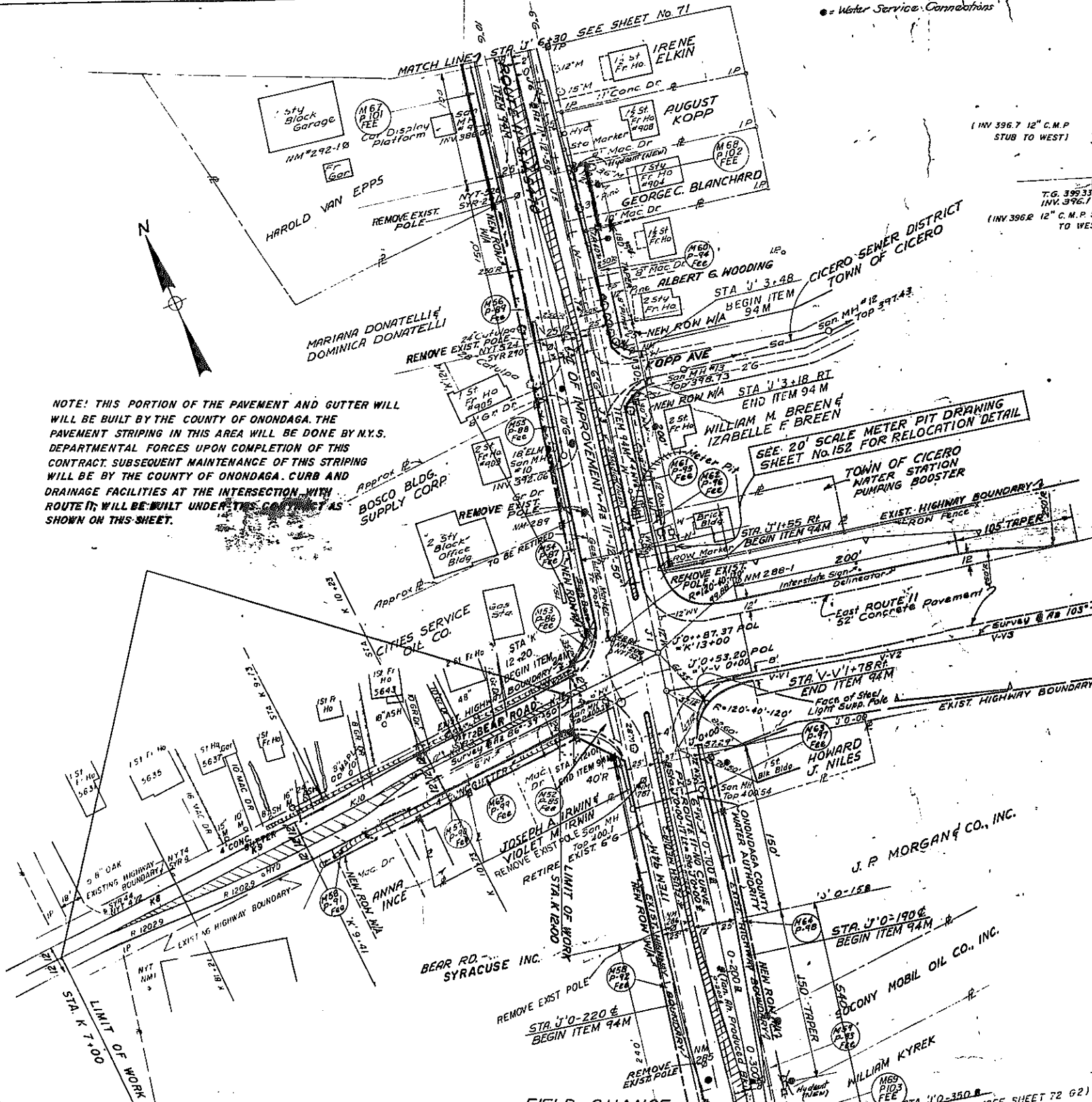
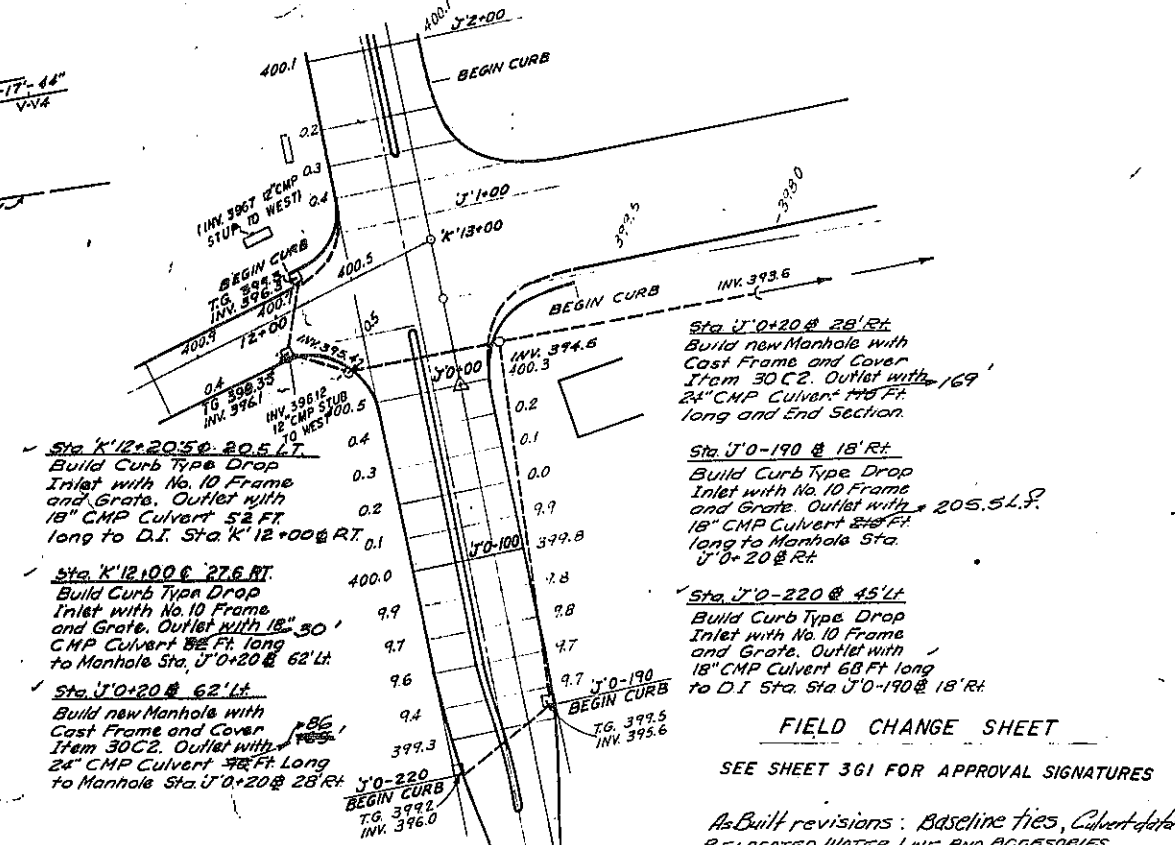
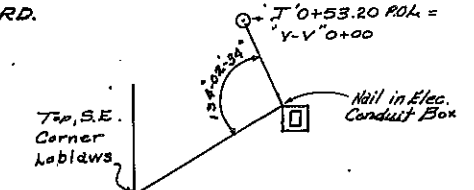
THIS CHANGE INVOLVES ALTERING THE TURNING LANES ON ROUTE 11, BEAR ROAD AND ROUTE 11 CONNECTION TO THE INTERSTATE.

NOTE: SEE FIELD CHANGE SHEET NO. 72 G1 FOR LIST OF CHANGES IN QUANTITIES AS BUILT

NOTE: THIS PORTION OF THE PAVEMENT AND GUTTER WILL BE BUILT BY THE COUNTY OF ONONDAGA. THE PAVEMENT STRIPING IN THIS AREA WILL BE DONE BY N.Y.S. DEPARTMENTAL FORCES UPON COMPLETION OF THIS CONTRACT. SUBSEQUENT MAINTENANCE OF THIS STRIPING WILL BE BY THE COUNTY OF ONONDAGA. CURB AND DRAINAGE FACILITIES AT THE INTERSECTION WITH ROUTE 11 WILL BE BUILT UNDER THIS CONTRACT AS SHOWN ON THIS SHEET.

DRAINAGE SCHEMATIC ROUTE 11 AND BEAR RD.

Base line Ties

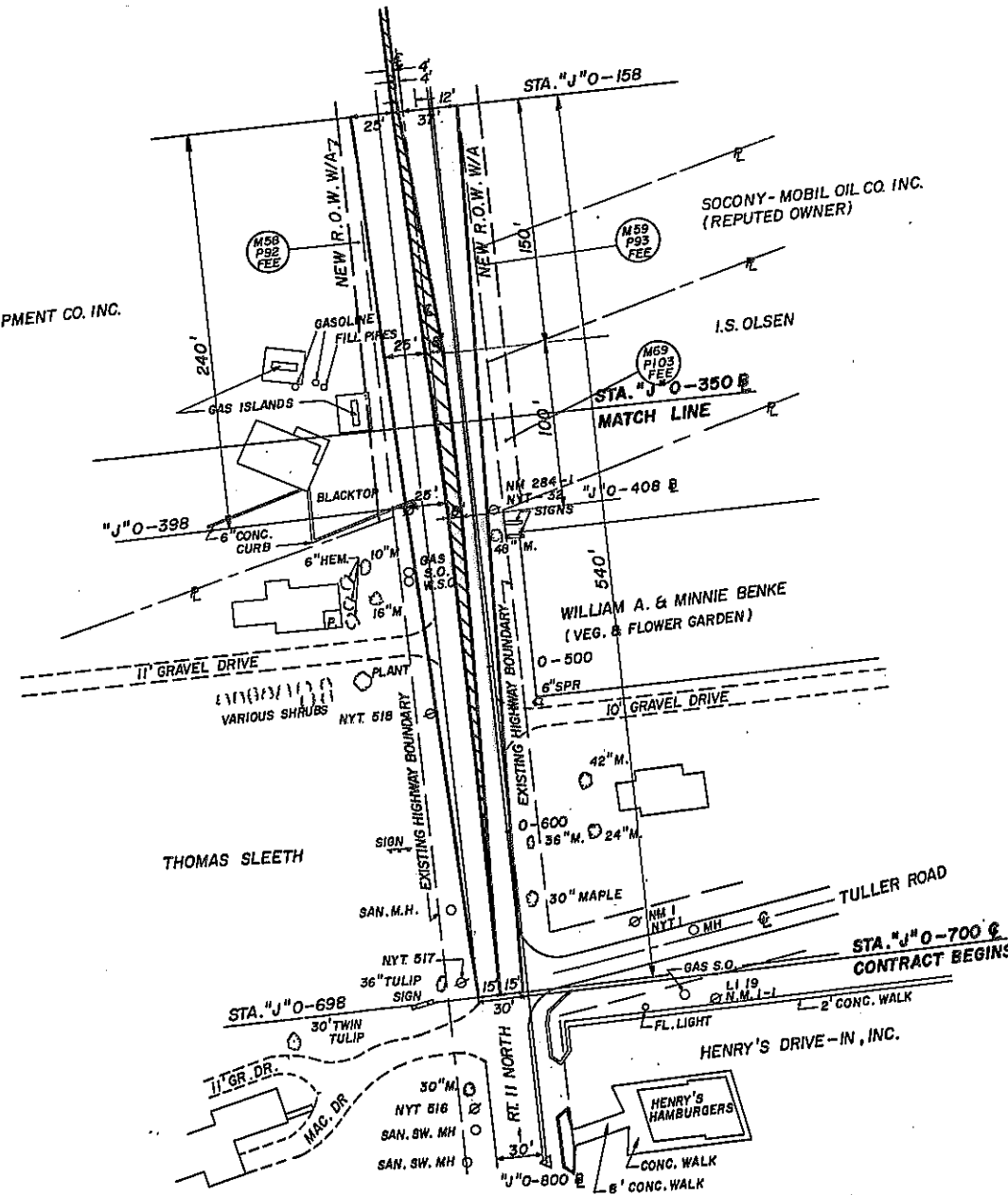


MADE BY: [Signature]
CHECKED BY: [Signature]
TRACED BY: [Signature]
DESIGNER: [Signature]
CHECKED BY: [Signature]

FED. RD. REG. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	N. Y.		7262	
EUCLID - NORTH SYRACUSE, S.H. 69-5				
SYRACUSE - CICERO, S.H. 5470				

FIELD CHANGE SHEET

FOR CONTRACT NO. S.H. 69-5, R.C. 69-102
 CAPITAL PROJECT IDENTIFICATION NUMBER 8035.00
 SHEET 7262, VOIDS ONLY PART OF ORIGINAL SHEET 72 AND ALL OF FIELD CHANGE SHEET 72 F1
 THIS CHANGE INVOLVES THE ALTERING OF THE TURNING LANES ON ROUTE 11, BEAR ROAD AND ROUTE 11 CONNECTION TO THE INTERSTATE.
 NOTE: SEE FIELD CHANGE SHEET NO. 7361 FOR LIST OF CHANGES IN QUANTITIES.

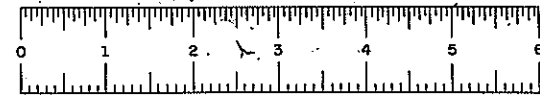


FIELD CHANGE SHEET

SEE SHEET 361 FOR APPROVAL SIGNATURE

FIELD CHANGE

DESIGNED BY *John C. Hanson* TRACED BY *R. M. Fack* CHECKED BY *John C. Hanson*



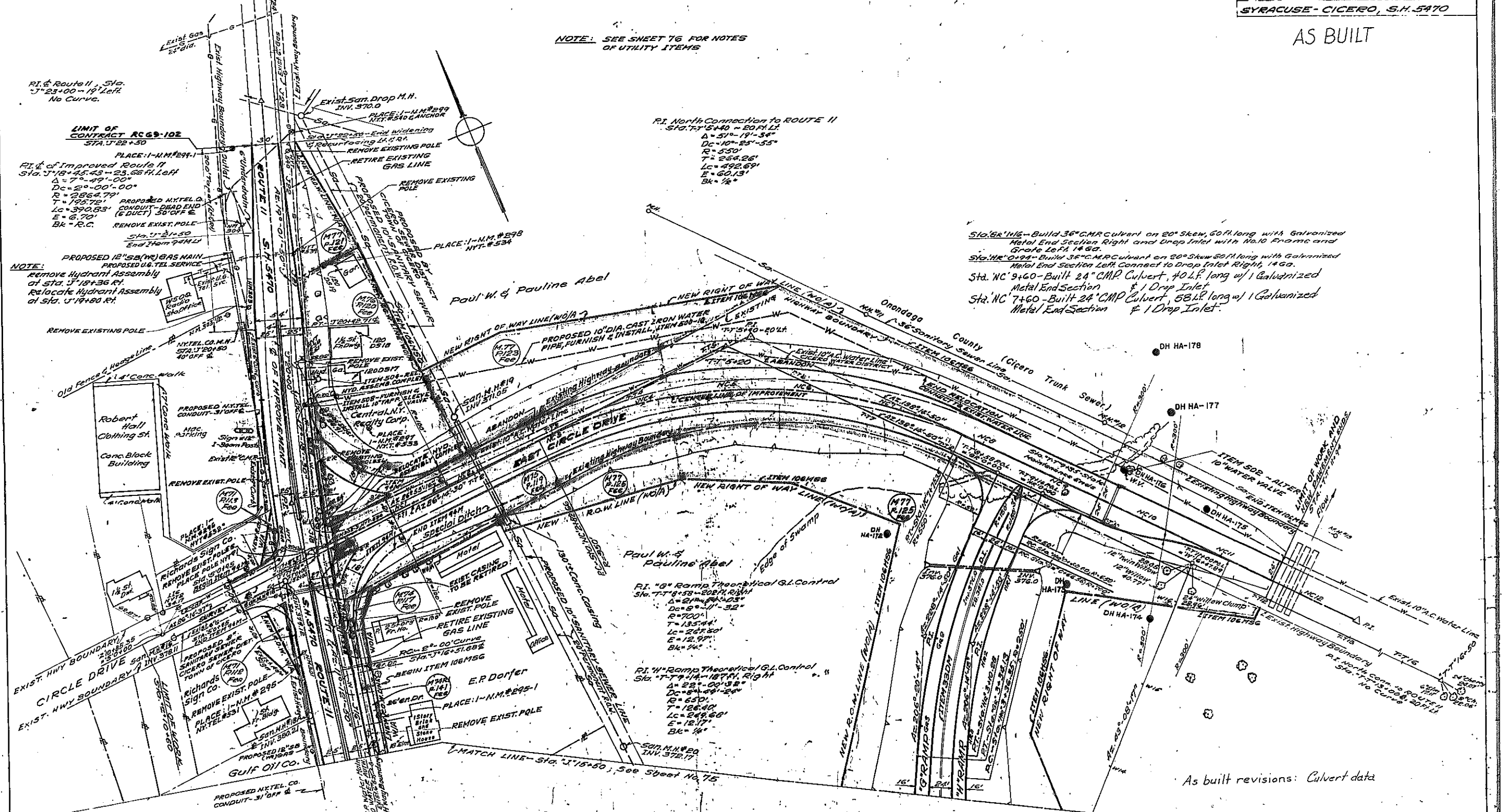
DATED _____ REVIEWED BY _____ DATED _____ CHECKED BY _____ DATED _____ DESIGNED BY _____

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		73	257

EUCLID-NORTH SYRACUSE, S.H.
SYRACUSE - CICERO, S.H. 5470

AS BUILT

NOTE: SEE SHEET 76 FOR NOTES OF UTILITY ITEMS



RI. & Route 11, Sta. J'23+00 - 19' Left. No Curve.

LIMIT OF CONTRACT RC 69-102 STA. J'22+50

RI. & Improved Route 11 Sta. J'18+45.43 - 23.66 ft. Left
 $\Delta = 7^{\circ} - 49' - 00''$
 $Dc = 2^{\circ} - 00' - 00''$
 $R = 2864.79'$
 $T = 195.72'$
 $Lc = 390.83'$ (6 DUCT) 50' OFF E
 $E = 6.70'$
 $Bk = R.C.$ REMOVE EXIST. POLE
 Sta. J'21+50 End of 24" 94 M.L.

NOTE:
 PROPOSED 12" SB (W) GAS MAIN
 PROPOSED U.G. TEL. SERVICE
 REMOVE HYDRANT ASSEMBLY AT STA. J'18+36 RT.
 RELOCATE HYDRANT ASSEMBLY AT STA. J'18+80 RT.

RI. North Connection to ROUTE 11
 Sta. T'15+40 - 20 FT. LT.
 $\Delta = 51^{\circ} - 19' - 34''$
 $Dc = 10^{\circ} - 25' - 55''$
 $R = 550'$
 $T = 264.26'$
 $Lc = 492.69'$
 $E = 60.13'$
 $Bk = 1/2"$

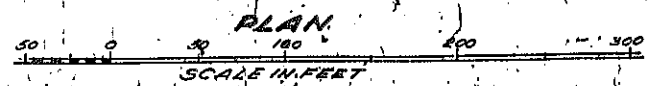
Sta. 6R'116 - Build 36" CMP Culvert on 20° Skew, 60 ft. long with Galvanized Metal End Section Right and Drop Inlet with No. 10 Frame and Grate Left 14' 6".
 Sta. 11R'029 - Build 36" CMP Culvert on 20° Skew 60 ft. long with Galvanized Metal End Section Left Connect to Drop Inlet Right, 14' 6".
 Sta. 11C'9+60 - Built 24" CMP Culvert, 40 L.P. long w/ 1 Galvanized Metal End Section & 1 Drop Inlet.
 Sta. 11C'7+60 - Built 24" CMP Culvert, 53 L.P. long w/ 1 Galvanized Metal End Section & 1 Drop Inlet.

RI. "B" Ramp Theoretical G.L. Control
 Sta. T'18+58 - 20 FT. RIGHT
 $\Delta = 21^{\circ} - 14' - 03''$
 $Dc = 6^{\circ} - 11' - 32''$
 $R = 700'$
 $T = 135.44'$
 $Lc = 249.50'$
 $E = 12.99'$
 $Bk = 1/2"$

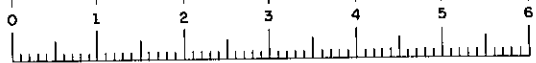
RI. "H" Ramp Theoretical G.L. Control
 Sta. T'19+14 - 18 FT. RIGHT
 $\Delta = 22^{\circ} - 00' - 58''$
 $Dc = 8^{\circ} - 49' - 24''$
 $R = 650'$
 $T = 128.44'$
 $Lc = 249.66'$
 $E = 12.17'$
 $Bk = 1/2"$

As built revisions: Culvert data

Sta. 11R'4+50 - Built 24" CMP Culvert 60 L.P. long w/ 1 Galv. Metal End Section & Drop Inlet



Made by Checked by Traced by Checked by
 John C. Hansen J.W. Spitz Alex. Bellis K. Henderson



FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		73	102

EUCLID-NORTH SYRACUSE, S.H. 69-5
SYRACUSE-CICERO, S.H. 5470
AS BUILT

FIELD CHANGE SHEET

FOR CONTRACT NO. S.H. 69-5
CAPITAL PROJECT IDENTIFICATION NO. 3035.00
SHEET 73 FI VOIDS ONLY PART OF ORIGINAL SHEET 73.
THIS CHANGE INVOLVES THE ESTABLISHING OF A MEDIAN ON EAST CIRCLE DRIVE AND A TURNING LANE ON RAMP 'H'.
NOTE: SEE FIELD CHANGE SHEET NO. 73 F2 FOR LIST OF CHANGES IN QUANTITIES.

NOTE: SEE SHEET 76 FOR NOTES OF UTILITY ITEMS

PI. & ROUTE II
Sta. J'23+00-19' Lf
No Curve

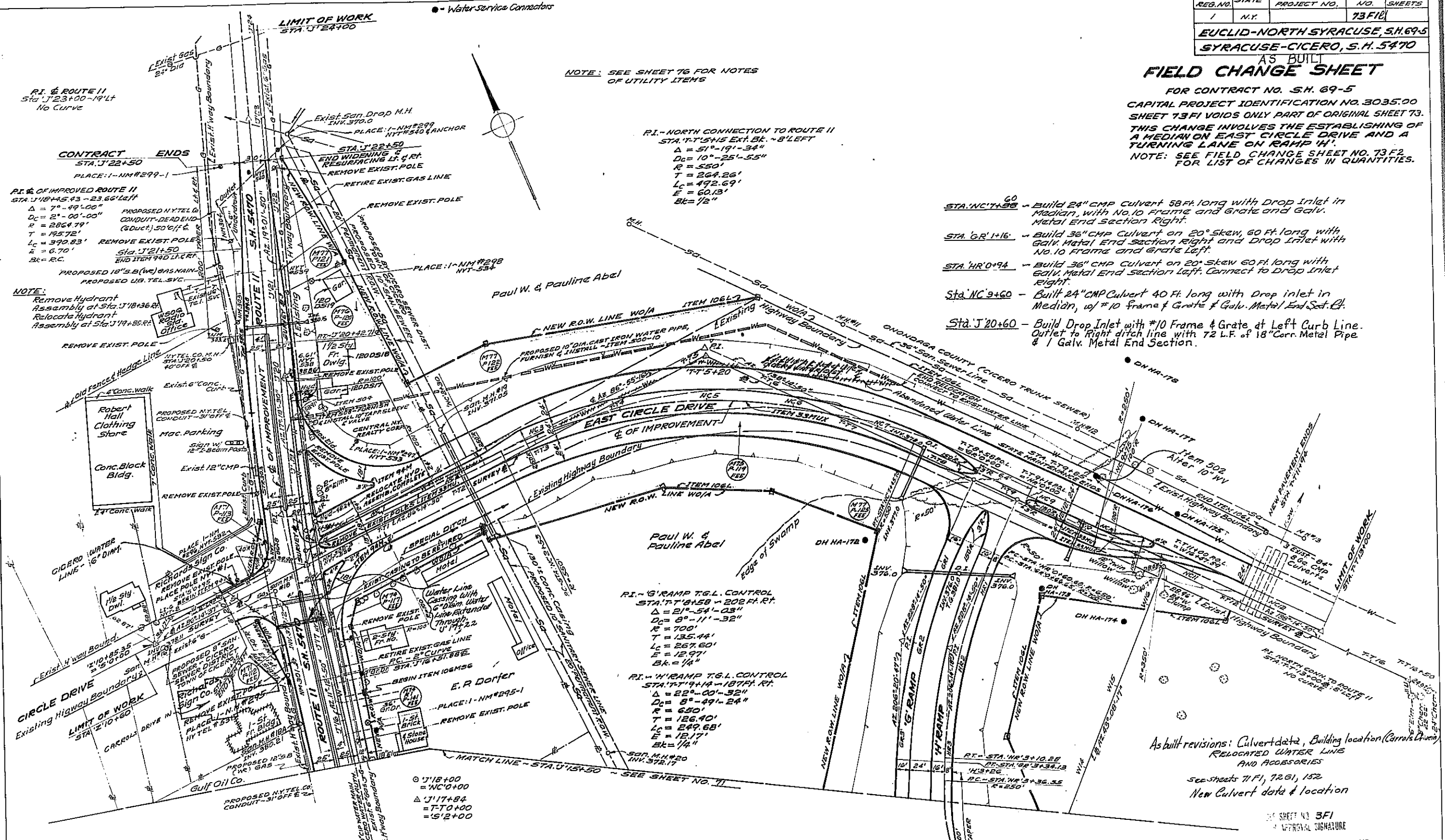
CONTRACT ENDS
STA. J'22+50
PLACE: I-NM#299-1

PI. & OF IMPROVED ROUTE II
STA. J'18+45.43 - 23.66' Lf
 $\Delta = 7^\circ - 49' - 00''$
 $D_c = 2^\circ - 00' - 00''$
 $R = 2864.79'$
 $T = 195.72'$
 $L_c = 390.83'$
 $E = 6.70'$
 $Bk = R.C.$

NOTE:
Remove Hydrant Assembly at Sta. J'18+36.81
Relocate Hydrant Assembly at Sta. J'19+85.81

PI. - NORTH CONNECTION TO ROUTE II
STA. T'57+15 EXT. BL. - 8' LEFT
 $\Delta = 51^\circ - 19' - 34''$
 $D_c = 10^\circ - 25' - 55''$
 $R = 550'$
 $T = 264.26'$
 $L_c = 492.69'$
 $E = 60.13'$
 $Bk = 1/2''$

- Sta. NC'9+88 - Build 24" CMP Culvert 58 Ft. long with Drop Inlet in Median, with No. 10 Frame and Grate and Galv. Metal End Section Right.
- Sta. GR'1+16 - Build 36" CMP Culvert on 20° skew, 60 Ft. long with Galv. Metal End Section Right and Drop Inlet with No. 10 Frame and Grate Left.
- Sta. HR'0+94 - Build 36" CMP Culvert on 20° skew 60 Ft. long with Galv. Metal End Section Left. Connect to Drop Inlet Right.
- Sta. NC'9+60 - Built 24" CMP Culvert 40 Ft. long with Drop inlet in Median, w/ #10 Frame & Grate & Galv. Metal End Sect. Lt.
- Sta. J'20+60 - Build Drop Inlet with #10 Frame & Grate at Left Curb Line. Outlet to Right ditch line with 72 L.F. of 18" Corr. Metal Pipe & Galv. Metal End Section.



PI. - G' RAMP T.G.L. CONTROL
STA. T'8+58 - 202 Ft. RT.
 $\Delta = 21^\circ - 54' - 03''$
 $D_c = 8^\circ - 11' - 32''$
 $R = 700'$
 $T = 125.44'$
 $L_c = 267.60'$
 $E = 12.97'$
 $Bk = 1/4''$

PI. - H' RAMP T.G.L. CONTROL
STA. T'7+14 - 187 Ft. RT.
 $\Delta = 22^\circ - 00' - 32''$
 $D_c = 8^\circ - 49' - 24''$
 $R = 680'$
 $T = 126.40'$
 $L_c = 249.68'$
 $E = 12.17'$
 $Bk = 1/4''$

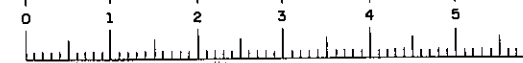
- J'18+00 = NC'0+00
- △ J'17+84 = T'0+00
- S'2+00



As built revisions: Culvert data, Building location (Carrons Drive), RELOCATED WATER LINE AND ACCESSORIES
See sheets 71 F1, 72 G1, 152
New Culvert data & location

SHEET NO. 3 F1
APPROVAL SIGNATURE
PREPARED PURSUANT TO THE HIGHWAY LAW AND RECOMMENDED BY:
REGIONAL DIRECTOR OF TRANSPORTATION
REGION NO. 3
DATE: 17 Feb 1969

MADE BY: G.W. SEITZ
CHECKED BY: E. Soubirou
TRACED BY: P. Chamber
CHECKED BY:



FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		73F2R	
EUCLID-NORTH SYRACUSE, S.H. 69-5				
SYRACUSE-CICERO, S.H. 5470				

FIELD CHANGE SHEET
 FOR CONTRACT No. S.H. 69-5, R.C. 69-102
 CAPITAL PROJECT IDENTIFICATION No. 3035.00
 SHEET 73F2 SUPPLEMENTS BUT DOES NOT CHANGE ANY PART OF ORIGINAL SHEET 73F1.
 THIS SHEET INVOLVES THE LIST OF QUANTITIES CHANGED BY FIELD CHANGE SHEETS 72F1 AND 73F1.

CHANGE IN QUANTITIES ~ CONTRACT No. S.H. 69-5

ITEM	DESCRIPTION	UNIT	INCREASE	DECREASE	NET CHANGE	ITEM	DESCRIPTION	UNIT	INCREASE	DECREASE	NET CHANGE
2	UNCLASSIFIED EXCAVATION	C.Y.		1532	-1532	33MU	MEDIAN BARRIER	L.F.	464		464
2EC	SELECTED BORROW	C.Y.	492		492	33MUX	BOX BEAM MEDIAN BARRIER (SHOP CURVED)	L.F.	1360		1360
2EF-B	SELECTED GRANULAR FILL	C.Y.	36		36	33MUA	BOX BEAM MEDIAN BARRIER, END ASSEMBLY-TYPE 'A'	Ea.	6		6
2UF	UNDERDRAIN FILTER	C.Y.	144		144	33MUB	BOX BEAM MEDIAN BARRIER, END ASSEMBLY-TYPE 'B'	Ea.	2		2
2UM	UNSUITABLE MATERIAL EXCAVATION	C.Y.	897		897	455P	BASE COURSE ASPHALT CONCRETE-TYPE IA	TON	451		451
3	SUBBASE COURSE, GRANULAR MATERIAL	C.Y.	620		620	51MF	ASPHALT CONCRETE	TON	141		141
4	SUBBASE COURSE, SELECT GRANULAR MATERIAL	C.Y.	503		503	51MFZ	ASPHALT CONCRETE, TOP COURSE	TON	171		171
5T	TRENCH AND CULVERT EXCAVATION	C.Y.	20		20	55S	SURFACE COURSE FOR STABILIZED SHOULDERS (SINGLE SURFACE TREATMENT)	S.Y.	1535		1535
8	PREPARING FINE GRADE	S.Y.	3125		3125	59NWB	BITUMINOUS STABILIZED COURSE (INCL. SHOULDERS)	C.Y.	170		170
11H6	PERFORATED CORR. METAL PIPE UNDERDRAIN, 6" DIAM.	L.F.	810		810	60S	SURFACE TEXTURE AND COLOR CONTRAST COURSE (FOR STABILIZED SHOULDERS)	S.Y.	1535		1535
11-24	ROUND C.M.P., 24" DIAM, 16 GA.	L.F.	58		58	68	BITUMINOUS MATERIAL 'A'	GAL	3060		3060
11ES24	GRV. METAL PIPE END SECTION, 24" DIAM.	Ea.	1		1	70B	BITUMINOUS MATERIAL 'A' EMULSION	GAL	614		614
30F1	FRAMES AND GRATES-FABRICATED (6.2 S.F.)	S.F.	6.2		6.2	102DR	DROP INLETS	L.F.	5.5		5.5
33DM	CORR. BEAM TYPE MALL BARRIER	L.F.		1000	-1000	123	SEEDING	ACRE		0.5	-0.5
33DMA	ANCHORAGE UNITS FOR CORR. BEAM TYPE MALL BARRIER	Ea.		4	-4						

*-NEW ITEM

CHANGE IN QUANTITIES ~ CONTRACT No. R.C. 69-102

ITEM	DESCRIPTION	UNIT	INCREASE	DECREASE	NET CHANGE	ITEM	DESCRIPTION	UNIT	INCREASE	DECREASE	NET CHANGE
2	UNCLASSIFIED EXCAVATION	C.Y.	897		897	30C2	FRAMES AND GRATES- CASTINGS (3.1 S.F.)	S.F.	6.2		6.2
2EF-B	SELECTED GRANULAR FILL	C.Y.	364		364	30F1	FRAMES AND GRATES- FABRICATED (6.2 S.F.)	S.F.	24.8		24.8
2UF	UNDERDRAIN FILTER	C.Y.	60		60	455P	BASE COURSE ASPHALT CONCRETE TYPE IA	TON	798		798
3	SUBBASE COURSE, GRANULAR MATERIAL	C.Y.	399		399	51MF	ASPHALT CONCRETE	TON	315		315
4	SUBBASE COURSE, SELECT GRANULAR MATERIAL	C.Y.	200		200	90Y	CLEANING EXISTING PAVEMENT (PER SQUARE YD.)	S.Y.	567		567
5T	TRENCH AND CULVERT EXCAVATION	C.Y.	733		733	444	OPTIONAL CURB (TYPE 'C')	L.F.	672		672
8	PREPARING FINE GRADE	S.Y.	1795		1795	102CR	MANHOLES	L.F.	13.2		13.2
11-18	ROUND CORR. METAL PIPE, 18" DIAM, 16 GA.	L.F.	354		354	102DR	DROP INLETS	L.F.	21.5		21.5
11-24	ROUND C.M.P., 24" DIAM, 16 GA.	L.F.	260		260	104G	GRANITE RIGHT-OF-WAY MARKERS	Ea.	14		14
11ES24	GRV. METAL PIPE END SECTION, 24" DIAM.	Ea.	1		1						
11H6	PERFORATED CORR. METAL PIPE UNDERDRAIN, 6" DIAM.	L.F.	672		672						

*-NEW ITEM

See Final Book for Final Quantities.

John C. Shannon *MADE BY*
 Lee Collins *CHECKED BY*
 P. Christie *TRACED BY*
 John C. Shannon *CHECKED BY*

3F1 SHEET NO. 3F1
 PREPARED PURSUANT TO THE HIGHWAY LAW AND RECOMMENDED BY: *[Signature]*
 REGIONAL DIRECTOR OF TRANSPORTATION
 REGION NO. 3
 DATE: 17 Dec 1969.

FED. RD. REG. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		73 61	
EUCLID - NORTH, SYRACUSE, S.H. 69-5				
SYRACUSE - CICERO, S.H. 5470				

CHANGE IN QUANTITIES - CONTRACT NO. S.H. 69-5

ITEM	DESCRIPTION	UNIT	INCREASE	DECREASE	NET CHANGE	ITEM	DESCRIPTION	UNIT	INCREASE	DECREASE	NET CHANGE
2	UNCLASSIFIED EXCAVATION	C.Y.		1532	-1532	33MU	MEDIAN BARRIER	L.F.	464		464
2 EC	SELECTED BORROW	C.Y.	492		492	* 33MUX	BOX BEAM MEDIAN BARRIER (SHOP CURVED)	L.F.	1360		1360
2 EF-B	SELECTED GRANULAR FILL	C.Y.	36		36	33MUA	BOX BEAM MEDIAN BARRIER, END ASSEMBLY - TYPE 'A'	EA.	6		6
2UF	UNDERDRAIN FILTER	C.Y.	144		144	33MUB	BOX BEAM MEDIAN BARRIER, END ASSEMBLY - TYPE 'B'	EA.	2		2
2UM	UNSUITABLE MATERIAL EXCAVATION	C.Y.	891		891	45 SP	BASE COURSE ASPHALT CONCRETE - TYPE 'A'	TON	451		451
3	SUBBASE COURSE, GRANULAR MATERIAL	C.Y.	620		620	51MF	ASPHALT CONCRETE	TON	141		141
4	SUBBASE COURSE, SELECT GRANULAR MATERIAL	C.Y.	503		503	51MFZ	ASPHALT CONCRETE, TOP COURSE	TON	171		171
5T	TRENCH AND CULVERT EXCAVATION	C.Y.	20		20	55S	SURFACE COURSE FOR STABILIZED SHOULDERS (SINGLE SURFACE TREATMENT)	S.Y.	1535		1535
8	PREPARING FINE GRADE	S.Y.	3125		3125	59WVB	BITUMINOUS STABILIZED COURSE (INCL. SHOULDERS)	C.Y.	170		170
11H6	PERFORATED CORR. METAL PIPE UNDERDRAIN, 6" DIAM.	L.F.	810		810	60S	SURFACE TEXTURE AND COLOR CONTRAST COURSE (FOR STABILIZED SHOULDERS)	S.Y.	1535		1535
11-24	ROUND C.M.P., 24" DIAM., 16" GA.	L.F.	58		58	68	BITUMINOUS MATERIAL 'A'	GAL.	3060		3060
11ES24	GALV. METAL PIPE END SECTION, 24" DIAM.	EA.	1		1	70B	BITUMINOUS MATERIAL 'A' EMULSION	GAL.	614		614
30F1	FRAMES AND GRATES - FABRICATED (6.2 S.F.)	S.F.	6.2		6.2	102 DR	DROP INLETS	L.F.	55		55
33DM	CORR. BEAM TYPE MALL BARRIER	EA.		1000	-1000	123	SEEDING	ACRE		0.5	-0.5
33DMA	ANCHORAGE UNITS FOR CORR. BEAM TYPE MALL BARRIER	EA.		4	-4						

*NEW ITEM

CHANGE IN QUANTITIES - CONTRACT NO. S.H. 69-102

ITEM	DESCRIPTION	UNIT	INCREASE	DECREASE	NET CHANGE	ITEM	DESCRIPTION	UNIT	INCREASE	DECREASE	NET CHANGE
2	UNCLASSIFIED EXCAVATION	C.Y.	897		897	30 G2	FRAMES AND GRATES - CASTINGS (3.1 S.F.)	S.F.	6.2		6.2
2 EFB	SELECTED GRANULAR FILL	C.Y.	364		364	30 F1	FRAMES AND GRATES - FABRICATED (6.2 S.F.)	S.F.	24.8		24.8
2UF	UNDERDRAIN FILTER	C.Y.	60		60	45 SP	BASE COURSE ASPHALT CONCRETE (TYPE 'A')	TON	798		798
3	SUBBASE COURSE GRANULAR MATERIAL	C.Y.	399		399	51 MF	ASPHALT CONCRETE	TON	315		315
4	SUBBASE COURSE SELECT GRANULAR MATERIAL	C.Y.	200		200	90Y	CLEANING EXISTING PAVEMENT (PER. SQUARE YARD)	S.Y.	567		567
5T	TRENCH AND CULVERT EXCAVATION	C.Y.	733		733	94 M	OPTIONAL CURB (TYPE C)	L.F.	672		672
8	PREPARING FINE GRADE	S.Y.	1795		1795	*102 CR	MANHOLES	L.F.	13.2		13.2
11-18	ROUND CORR. METAL PIPE, 18" DIAM., 16 GA.	L.F.	354		354	102 DR	DROP INLETS	L.F.	21.5		21.5
11-24	ROUND C.M.P. 24" DIAM., 16 GA.	L.F.	260		260	1048	GRANITE R.O.W. MARKERS	EA.	14		14
11ES24	GALV. METAL PIPE END SECTION 24" DIAM.	EA.	1		1						1
11 H6	PERFORATED CORR. METAL PIPE UNDERDRAIN 6" DIAM.	L.F.	672		672						

*NEW ITEM

CHANGE IN QUANTITIES - CONTRACT NO. S.H. 69-102

ITEM	DESCRIPTION	UNIT	INCREASE	DECREASE	NET CHANGE	ITEM	DESCRIPTION	UNIT	INCREASE	DECREASE	NET CHANGE
2	UNCLASSIFIED EXCAVATION	C.Y.	501		501	45 SP	BASE COURSE ASPHALT CONCRETE (TYPE 'A')	TON	445		445
3	SUBBASE COURSE, GRANULAR MATERIAL	C.Y.	267		267	51 MF	ASPHALT CONCRETE	TON	139		139
4	SUBBASE COURSE, SELECT GRANULAR MATERIAL	C.Y.	134		134	90Y	CLEANING EXISTING PAVEMENT (PER. SQUARE YD.)	S.Y.		567	-567
8	PERPARING FINE GRADE	S.Y.	1002		1002	94M	OPTIONAL CURB (TYPE C)	L.F.		238	-238
* 11-12	ROUND CORR. METAL PIPE 12" DIAM., 16 GA.	L.F.	2		2						

* NEW ITEM

NOTE: THESE QUANTITIES SHOULD BE ADDED TO THE PREVIOUS FIELD CHANGE QUANTITIES ABOVE.

FIELD CHANGE

DESIGNED BY J. J. Hanson TRACED BY D. J. Jones CHECKED BY A. J. Smith

FIELD CHANGE SHEET

FOR CONTRACT NO. SH. 69-5, RC 69-102
CAPITAL PROJECT IDENTIFICATION NO. 3035.00
SHEET 73 61 SUPPLEMENTS BUT DOES NOT CHANGE ANY PART OF ORIGINAL 73 F1, BUT VOIDS ALL OF FIELD CHANGE SHEET NO. 73 F2.

THIS SHEET INVOLVES THE LIST OF QUANTITIES CHANGED BY FIELD CHANGE SHEETS 361, 71 F1, 72 G1, AND 72 G2, 73 F1.

SEE FIELD CHANGE SHEET

SEE SHEET 361 FOR APPROVAL SIGNATURES
See Final Book for Final Quantities.

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		74R	257

EUCLID-NORTH SYRACUSE, S.H.

Sta. 358+00 N.B. - Build 24" C.M.P. Culvert 48 Ft. long with Galv. Metal End Section Left and Drop Inlet Right, with No. 10 Frame and Grate.

Sta. 362+50 N.B. - Build 24" C.M.P. Culvert 39 Ft. long with Galv. Metal End Section Left and Drop Inlet Right, with No. 10 Frame and Grate.

Sta. 369+50 N.B. - Build 24" C.M.P. Culvert 33 Ft. long with Galv. Metal End Section Left and Drop Inlet Right with No. 10 Frame and Grate.

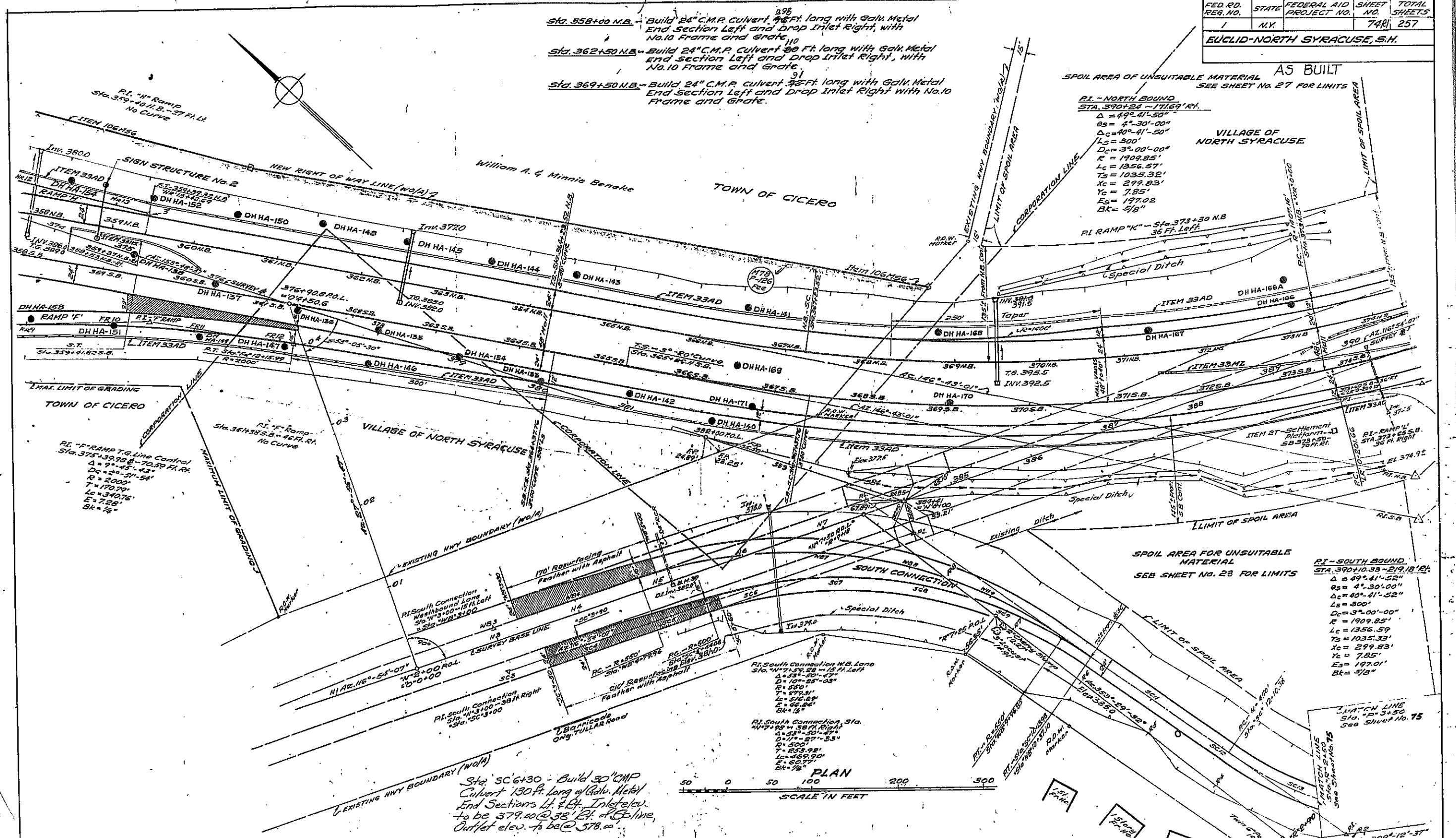
SPOIL AREA OF UNSUITABLE MATERIAL SEE SHEET NO. 27 FOR LIMITS

A5 BUILT

RI - NORTH BOUND
STA. 370+24 - 17169' RT.
Δ = 49° 41' 52"
δs = 4° 30' 00"
Δc = 40° 41' 52"
Ls = 800'
Dc = 3° 00' 00"
R = 1909.85'
Lc = 1356.57'
Ts = 1035.33'
Xc = 299.83'
Yc = 7.85'
Es = 197.02'
Bk = 1/8"

VILLAGE OF NORTH SYRACUSE

RI RAMP "K" - Sta. 373+30 N.B. 36 Ft. Left



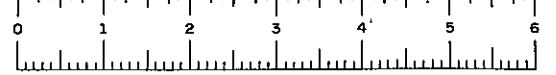
RI - SOUTH BOUND
STA. 370+10.93 - 21918' RT.
Δ = 49° 41' 52"
δs = 4° 30' 00"
Δc = 40° 41' 52"
Ls = 800'
Dc = 3° 00' 00"
R = 1909.85'
Lc = 1356.57'
Ts = 1035.33'
Xc = 299.83'
Yc = 7.85'
Es = 197.01'
Bk = 1/8"

Sta. 364+30 - Build 30" C.M.P. Culvert 130 Ft. long of Galv. Metal End Sections Lt. & Rt. Inlet elev. to be 379.00 @ 38' Lt. of C.C. line. Outlet elev. to be @ 378.00

PLAN
SCALE IN FEET
0 50 100 200 300

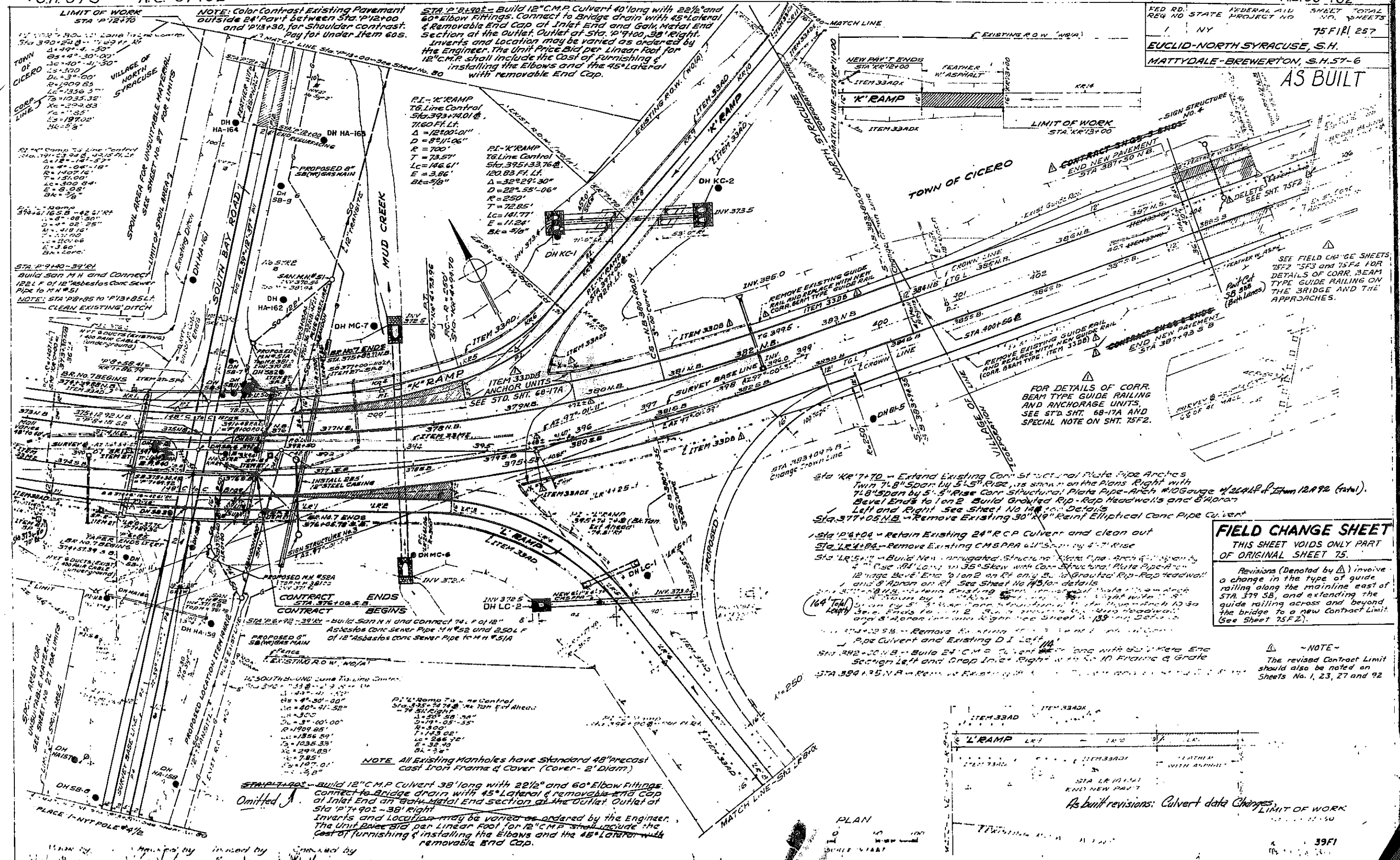
Made by: John C. Shannahan
Checked by: [Signature]
Traced by: [Signature]
Checked by: [Signature]

As built revisions: Culvert Data



FED. RD. DIST. NO.	FEDERAL AID PROJECT NO.	SHEET TOTAL
1	NY	75 OF 1257
EUCLID-NORTH SYRACUSE, S.H.		
MATTYDALE-BREWERTON, S.H. 57-6		

AS BUILT



LIMIT OF WORK
STA. P12170

NOTE: Color Contrast Existing Pavement Outside 24' Pavt between Sta. P12100 & P13130, for Shoulder Contrast, pay for Under Item 605.

STA. P12100 - Build 12" C.M.P. Culvert 40' long with 22 1/2° and 60° Elbow Fittings. Connect to Bridge drain with 45° Lateral & Removable End Cap at Inlet End and Galv. Metal End Section at the Outlet. Outlet of Sta. P12100, 38' Right. Inverts and Location may be varied as ordered by the Engineer. The Unit Price Bid per Linear Foot for 12" C.M.P. shall include the Cost of furnishing & installing the Elbows and the 45° Lateral with removable End Cap.

RI-K RAMP
T&G Line Control
Sta. 393+74.01 E.
7160 Ft. Lt.
Δ = 12°00'01"
D = 8°11'06"
R = 700'
T = 73.57'
Lc = 146.61'
E = 3.86'
Bk = 5/8"

RI-K RAMP
T&G Line Control
Sta. 395+33.76 E.
120.83 Ft. Lt.
Δ = 32°29'30"
D = 22°55'06"
R = 250'
T = 72.85'
Lc = 141.77'
E = 11.24'
Bk = 5/8"

STA. P140-39' R1
Build 50" M.H. and Connect 12" of 12" Asbestos Conc. Sewer Pipe to M.H. #51
NOTE: STA. P12185 to P13185 L.C. CLEAN EXISTING DITCH

BRANCH ENDS
ITEM 3300
ANCHOR UNITS
SEE STD. SHT. 68-17A

CONTRACT ENDS
ITEM 3300
ANCHOR UNITS
SEE STD. SHT. 68-17A

CONTRACT BEGINS
ITEM 3300
ANCHOR UNITS
SEE STD. SHT. 68-17A

STA. P12100 - Build 12" C.M.P. Culvert 38' long with 22 1/2° and 60° Elbow Fittings. Connect to Bridge drain with 45° Lateral & removable End Cap at Inlet End and Galv. Metal End Section at the Outlet. Outlet at Sta. P12100, 38' Right. Inverts and Location may be varied as ordered by the Engineer. The Unit Price Bid per Linear Foot for 12" C.M.P. shall include the Cost of furnishing & installing the Elbows and the 45° Lateral with removable End Cap.

NOTE: All Existing Manholes have Standard 48" Precast Cast Iron Frame & Cover (Cover - 2' Diam)

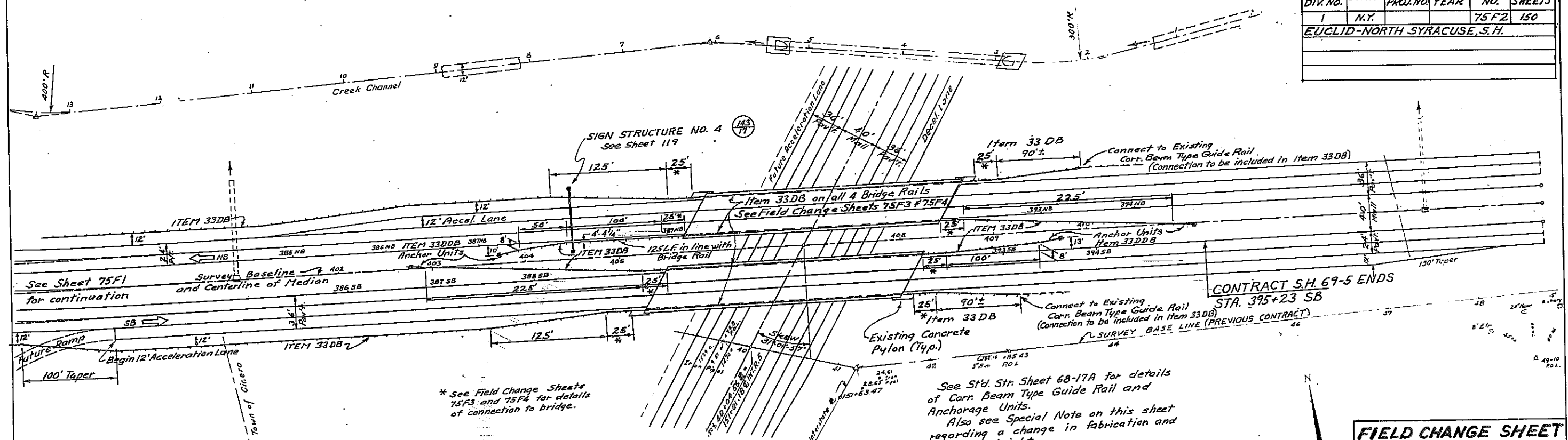
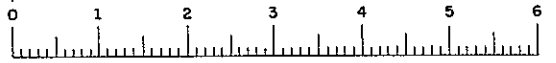
FIELD CHANGE SHEET
THIS SHEET VOIDS ONLY PART OF ORIGINAL SHEET 75.

Revisions (Denoted by Δ) involve a change in the type of guide railing along the mainline east of STA. 379+50, and extending the guide railing across and beyond the bridge to a new Contract Limit. (See Sheet 75F2).

- Sta. KR7+70 - Extend Existing Cor. Structural Plate Pipe Arches Twin 7'-8" Span by 5'-5" Rise, as shown on the Plans. Right with 7'-8" Span by 5'-5" Rise Cor. Structural Plate Pipe-Arch #10 Gauge #24 LRP of Item 12A92 (total). Bevel Ends to Ion 2. Build Grouted Rip-Rap Headwalls and 5' Apron Left and Right. See Sheet No. 148 for Details.
- Sta. 377+05 N.B. - Remove Existing 30" x 18" Rain Elliptical Conc. Pipe Culvert
- Sta. P16+04 - Retain Existing 24" RCP Culvert and clean out
- Sta. LR4+84 - Remove Existing CMSPPA 41" Span by 4'-7" Rise
- Sta. LR5+11 - Build New corrugated Structural Plate Pipe Arch 12' Span by 4'-7" Rise on 35° Skew with Cor. Structural Plate Pipe-Arch #12 Gauge Bevel Ends to Ion 2 on Rt. only. Build Grouted Rip-Rap Headwall and 5' Apron on Rt. See Sheet No. 145 for details.
- Sta. 379+50 N.B. - Remove Existing Cor. Structural Plate Pipe-Arch 12' Span by 5'-5" Rise Cor. Structural Plate Pipe-Arch #10 Gauge #24 LRP of Item 12A92 (total). Bevel Ends to Ion 2. Build Grouted Rip-Rap Headwall and 5' Apron on both Sides. See Sheet No. 139 for Details.
- Sta. 379+50 N.B. - Remove Existing Cor. Structural Plate Pipe-Arch 12' Span by 5'-5" Rise Cor. Structural Plate Pipe-Arch #10 Gauge #24 LRP of Item 12A92 (total). Bevel Ends to Ion 2. Build Grouted Rip-Rap Headwall and 5' Apron on both Sides. See Sheet No. 139 for Details.
- Sta. 392+00 N.B. - Build 24" C.M.P. Culvert 40' long with 60° Elbows etc. Section Left and Drop Inlet Right with 10' Framing & Grate
- Sta. 394+25 N.B. - Remove Existing Cor. Structural Plate Pipe-Arch 12' Span by 5'-5" Rise Cor. Structural Plate Pipe-Arch #10 Gauge #24 LRP of Item 12A92 (total). Bevel Ends to Ion 2. Build Grouted Rip-Rap Headwall and 5' Apron on both Sides. See Sheet No. 139 for Details.

NOTE:
The revised Contract Limit should also be noted on Sheets No. 1, 23, 27 and 92

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N.Y.			75F2	150
EUGLID-NORTH SYRACUSE, S.H.					



SPECIAL NOTE
CHANGE IN HEIGHT OF GUIDE RAIL

Corrugated Beam Type Guide Rail shall be fabricated and installed as follows:

Finish Ground to Top of Rail	33"
Top of Post to top of 8"x24" R	35"
Finish Ground to top of Post	33 1/2"
Cover over Plate	1 1/2"
Post Length (Not changed)	63"

These figures supersede those shown on Std. Str. Sheet 68-17A. No additional hardware changes will be required other than locating the plate 6" lower on the post.

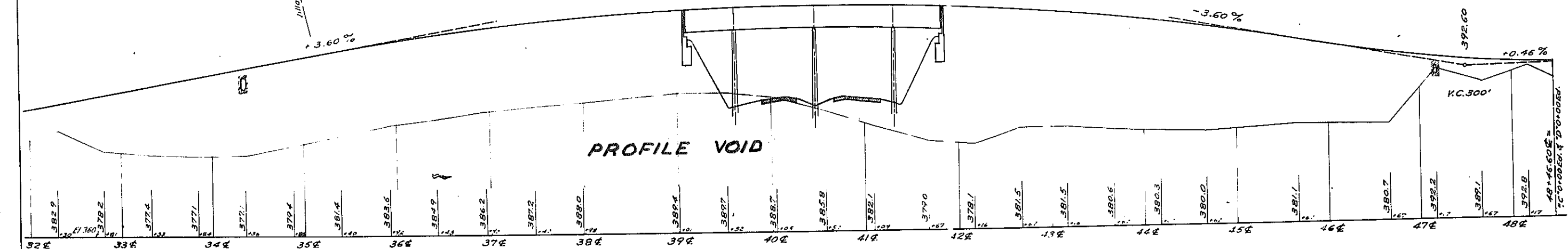
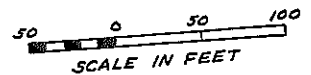
ITEM AND QUANTITY CHANGES

ITEM NO.	DESCRIPTION	UNIT	INCREASE	DECREASE
ORIGINAL ITEMS				
33AD	Box Beam Guide Rail	L.F.		1970
33ADDR	Box Beam Guide Rail End Assembly	Each		3
33ADX	Box Beam Guide Rail (Shop Curved)	L.F.		160
33MU	Box Beam Median Barrier	Each		230
33MUB	Box Beam Median Barrier End Assembly, Type B	Each		1
NEW ITEMS				
33DB	Corrugated Beam Type Guide Railing	L.F.	4140	
33DD	Anchorage Units for Corr. Beam Type Guide Rail	Each	6	

FIELD CHANGE SHEET

This sheet voids part of original Sheet 75 and supplements Field Change Sheet 75F1.

The only contract work shown on this sheet is the installation of guide railing. See Sheets 75 and 75F1 for original contract work in this area.
Contract S.H. 69-5 is extended 730' easterly to Sta. 395+23 SB.



MADE BY _____ TRACED BY _____ CHECKED BY _____
PLAN S.H. 69-5 R.C. 69-102

SEE SHEET NO. 39F1 FOR APPROVAL SIGNATURE
S.H. 69-5 R.C. 69-102

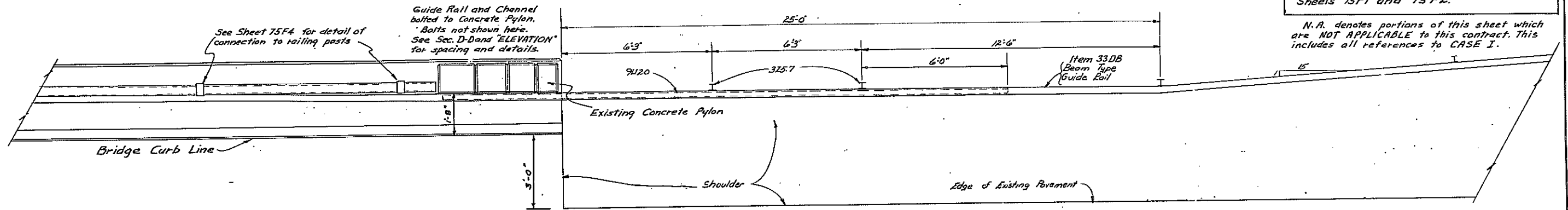
FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		75F3	257

EUCLID-NORTH SYRACUSE, S.H.

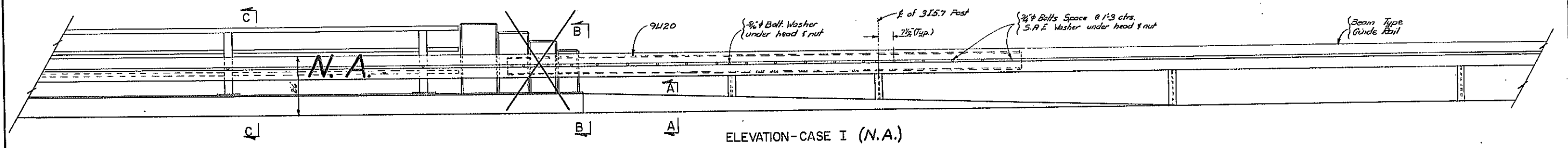
NOTE: The payment length for Item 33DB-Beam Type Guide Railing placed on the bridge in accordance with Sheets 75F3 and 75F4 will be the actual measured length, assuming a post spacing of 12'-6" and payment will be made at the agreed unit price for Item 33DB.
This agreed unit price per linear foot shall include the cost of all labor and materials necessary to install the guide railing on the bridge railing in accordance with the Field Change Sheets.

FIELD CHANGE SHEET
This sheet supplements Field Change Sheets 75F1 and 75F2.

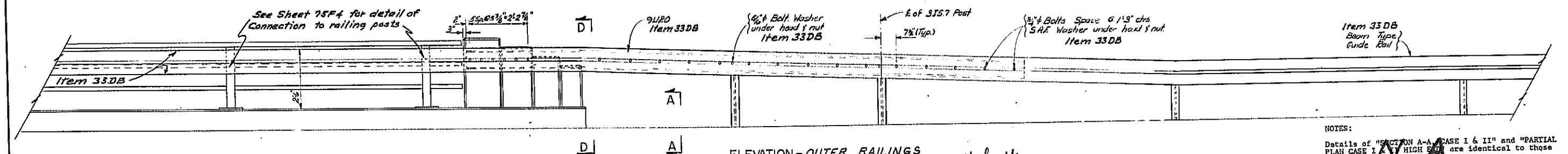
N.A. denotes portions of this sheet which are NOT APPLICABLE to this contract. This includes all references to CASE I.



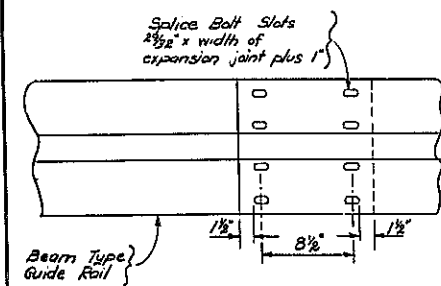
PLAN-OUTER RAILINGS



ELEVATION-CASE I (N.A.)

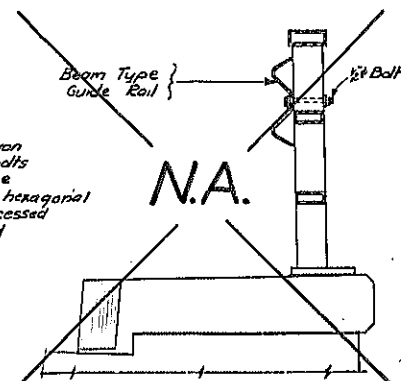


ELEVATION-OUTER RAILINGS

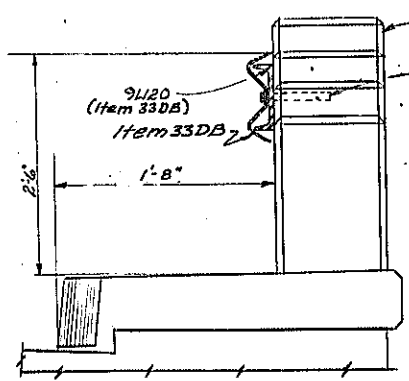


DETAIL OF BEAM SPLICE OVER AN EXPANSION JOINT (PLACE BETWEEN POSTS)

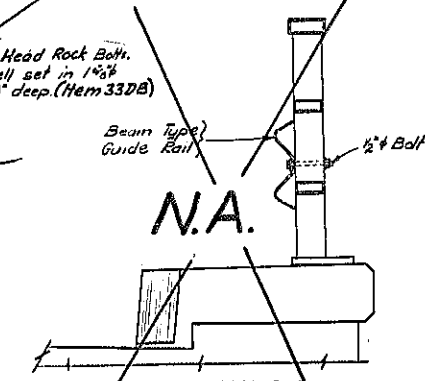
In order to permit the beam splice to properly function over an expansion joint the eight splice bolts at this location shall be furnished with regular hexagonal nuts instead of the recessed nuts normally provided



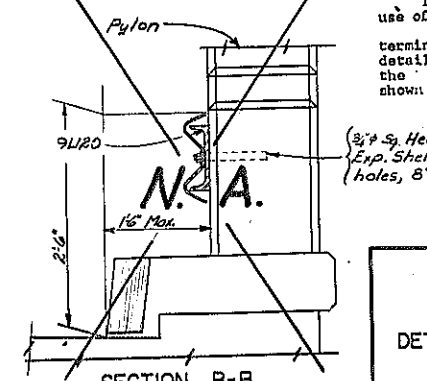
SECTION E-E CASE II



SECTION D-D CASE II



SECTION C-C CASE I



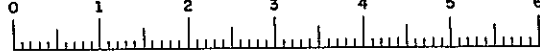
SECTION B-B CASE I

NOTES:
Details of SECTION A-A CASE I & II and PARTIAL PLAN CASE I & II HIGH RAIL are identical to those shown on Sheet RDD 68-9.
The "NOTES" shown in this location on Sheet 75F4 are also applicable to this sheet.
The details shown on this sheet indicate the use of concrete pylons at the end of the railing. Should this type of railing terminate without the use of concrete pylons the details for connecting the beam type guide rail to the bridge railing are shown on Sheet 75F4.

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
DIVISION OF CONSTRUCTION
DETAILS FOR CONNECTING BEAM TYPE GUIDE RAIL TO PYLON

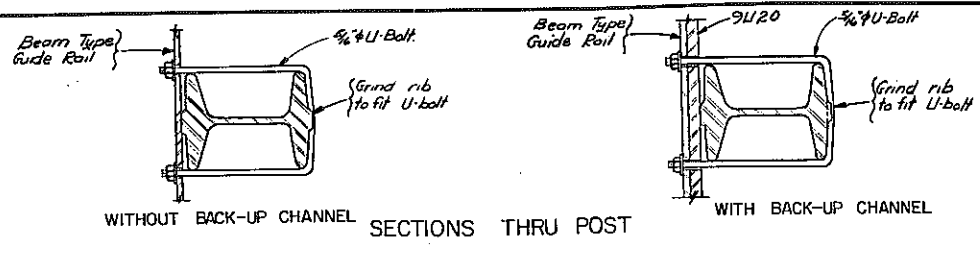
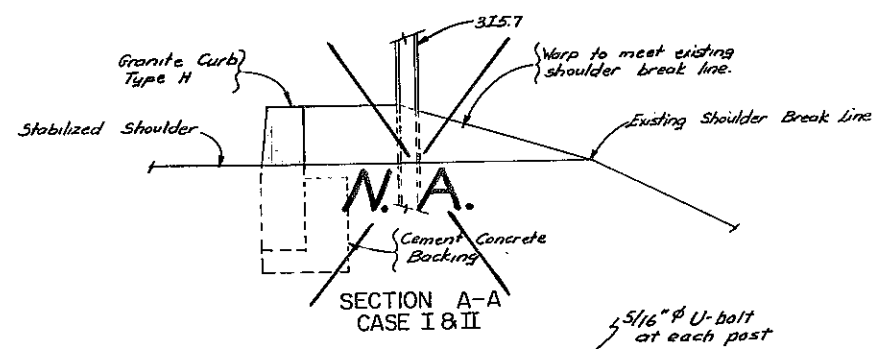
DETAILED BY _____
DETAIL CHECKED BY _____

SEE SHEET NO. 39F1 FOR APPROVAL SIGNATURES

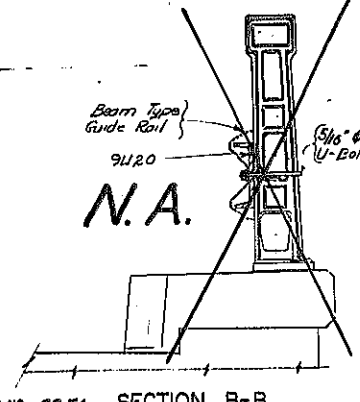
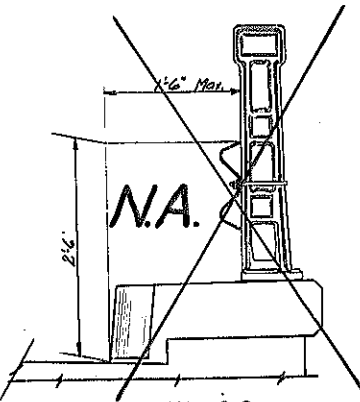
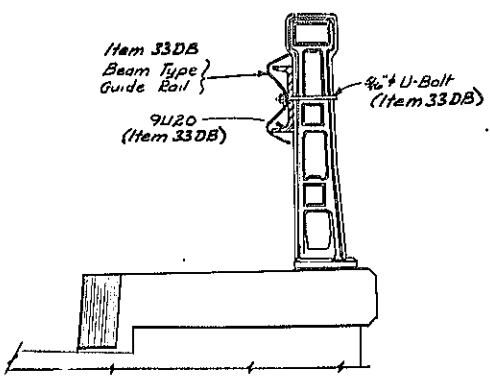
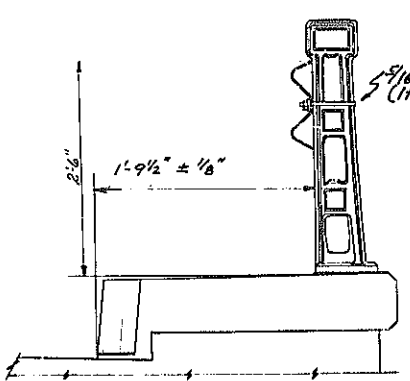
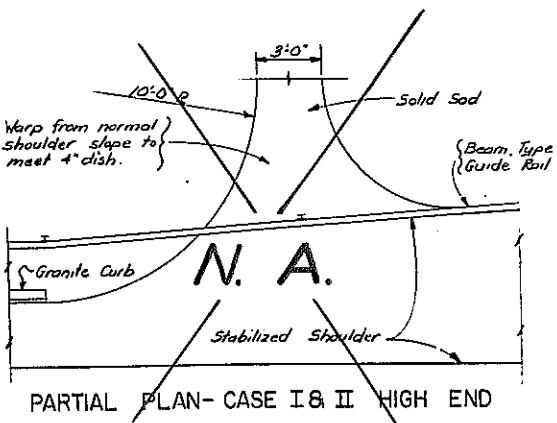
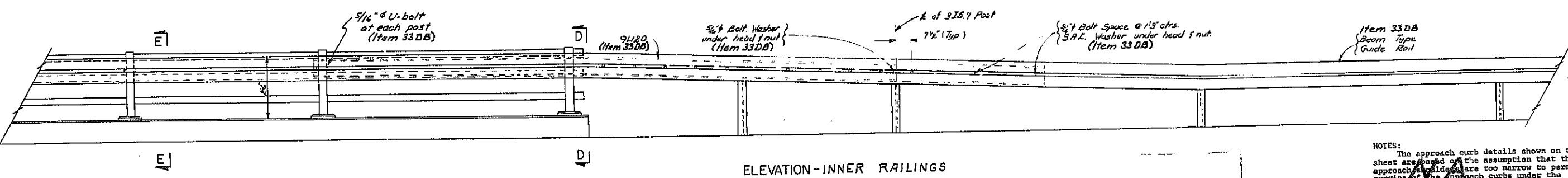
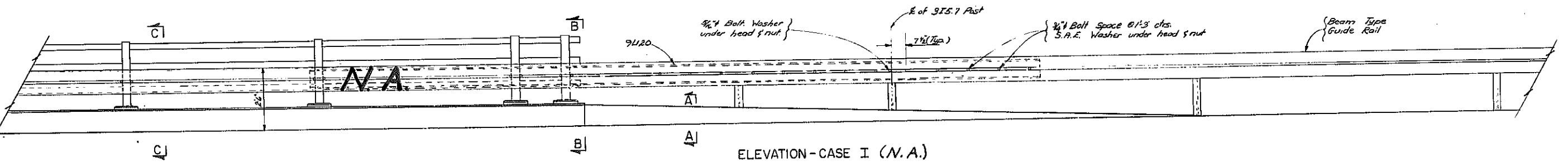
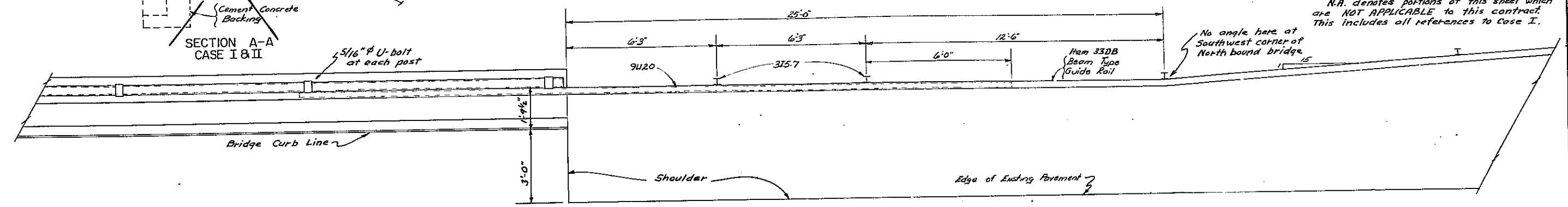


FED. RD. REG. NO.	STATE	FEDERAL AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		75F4	257

EUCLID-NORTH SYRACUSE, S.H.
FIELD CHANGE SHEET
 This sheet supplements Field Change Sheets 75F1 and 75F2



N.A. denotes portions of this sheet which are NOT APPLICABLE to this contract. This includes all references to Case I.

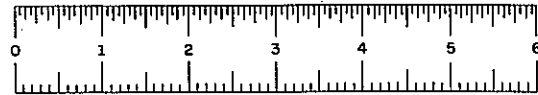


NOTES:
 The approach curb details shown on this sheet are based on the assumption that the approach shoulders are too narrow to permit curving of the approach curbs under the approach beam type guide rail.
 If the approach shoulders are of sufficient width or should the district office desire to widen the approach shoulders, it is desirable to curve the approach curbs under the approach beam type guide rail in a manner similar to the details shown on Sheet BDD 67-10R1. The end of the curb should terminate at a point at least 8'-0" behind the face of the guide rail.
 Should this type of railing terminate with concrete pylons the details for connecting the beam type guide rail to the concrete pylon will be similar to those shown on Sheet 75F3.
 For details of expansion joint in beam type guide rail which shall be placed in panel spanning an expansion joint in the structure, see Sheet 75F3.

STATE OF NEW YORK
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF CONSTRUCTION
 DETAILS FOR CONNECTING BEAM TYPE GUIDE RAIL TO ALUMINUM RAILING

DETAILED BY _____
 DETAIL CHECKED BY _____

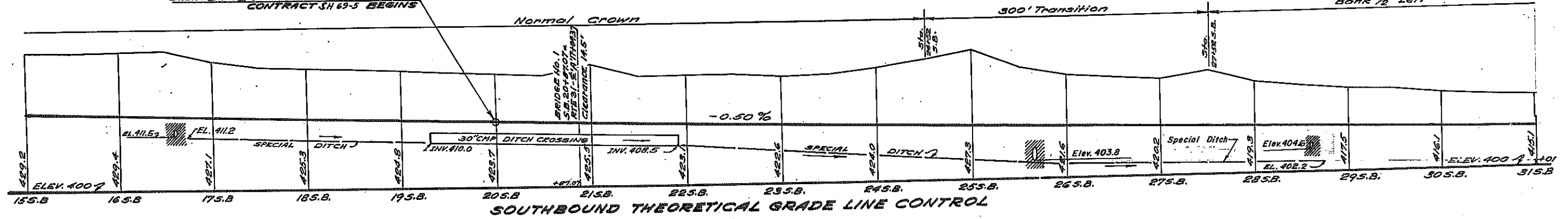
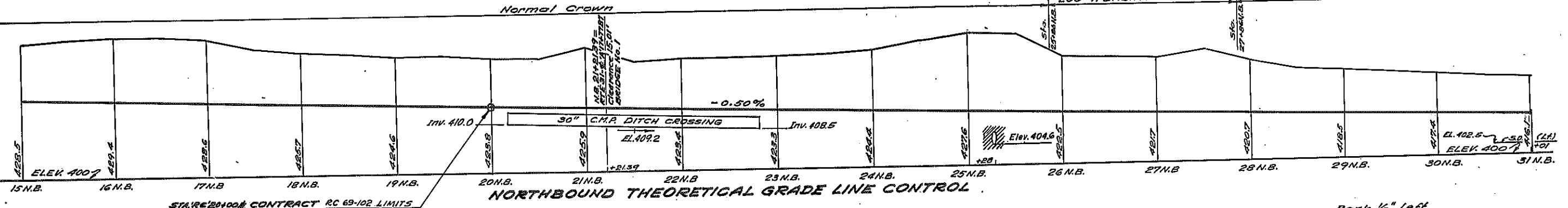
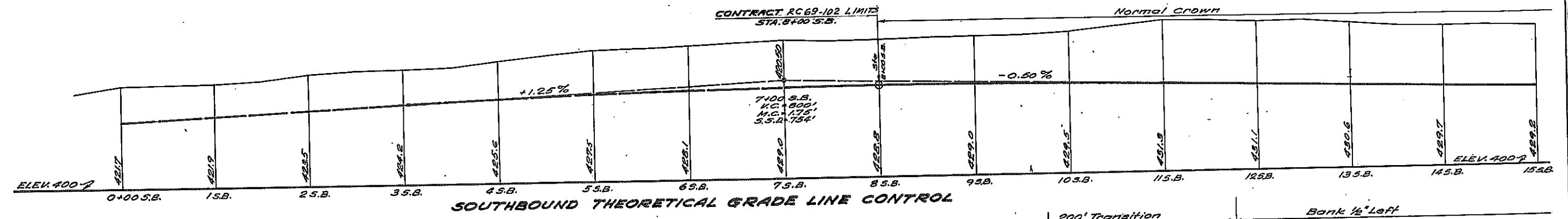
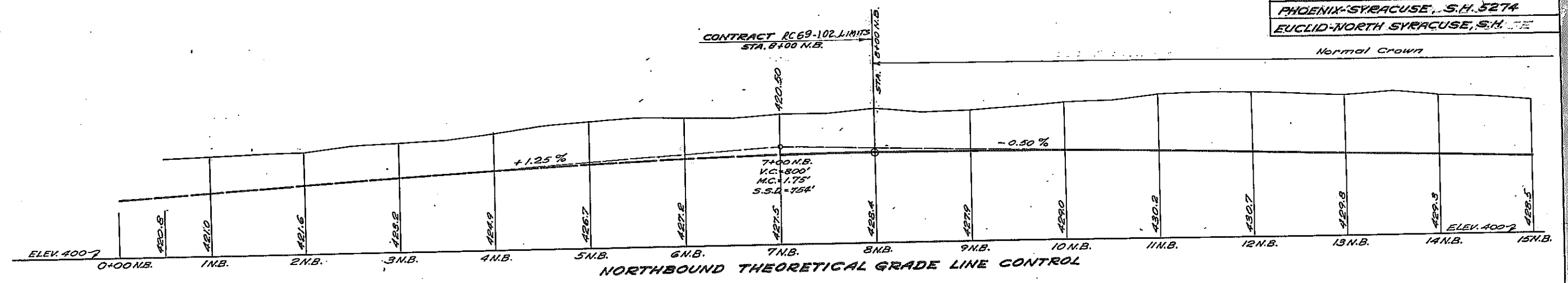
SEE SHEET NO. 39F1 FOR APPROVAL SIGNATURE



SH 69-5 RC 69-102

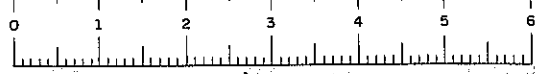
FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		77	257

PHOENIX-SYRACUSE, S.H. 5274
EUCLID-NORTH SYRACUSE, S.H. 5275

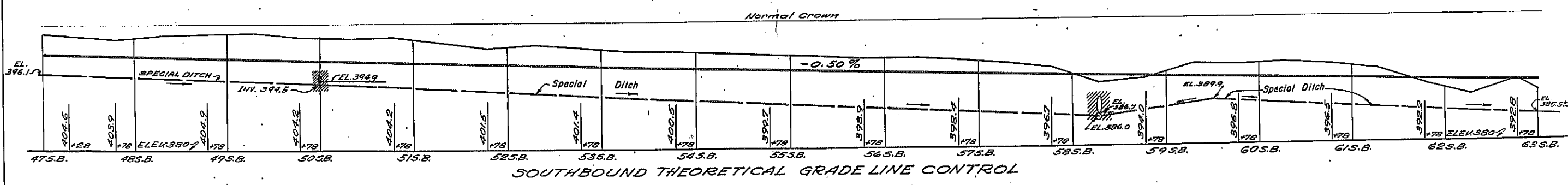
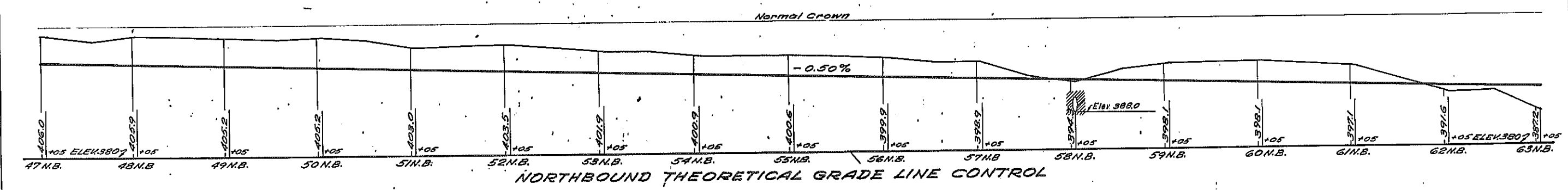
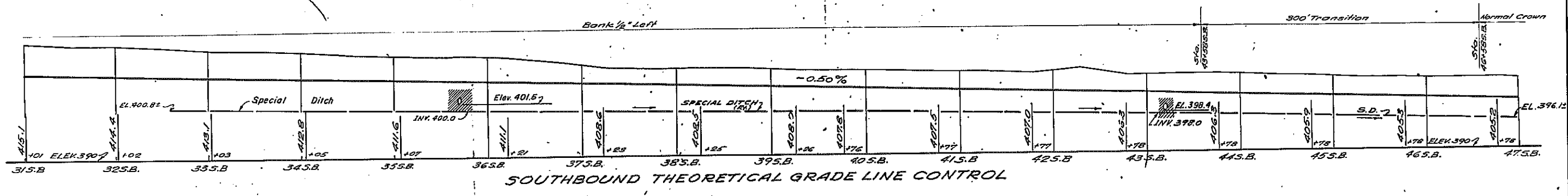
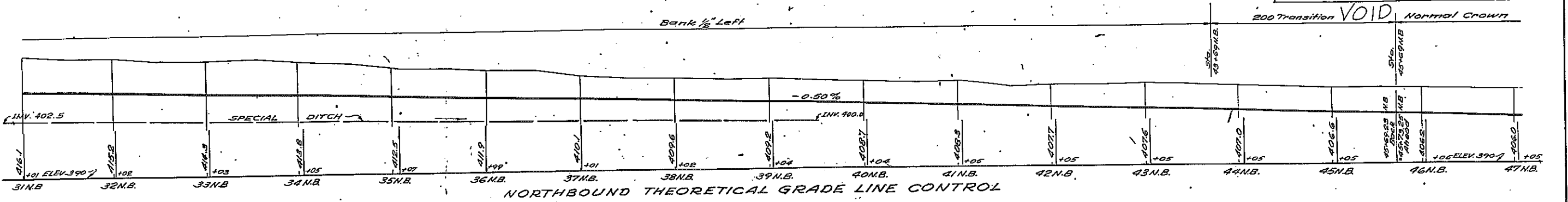


PROFILE
SCALE: 1"=50' Horizontal
1"=10' Vertical

Made by Checked by Troced by Checked by



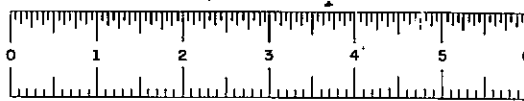
FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		78R	257
EUCLID-NORTH SYRACUSE, S.H.				



PROFILE
 SCALE: 1" = 50' Horizontal
 1" = 10' Vertical

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Sheet # 78R1 VOIDS All of this Sheet
 No As-Built Revisions

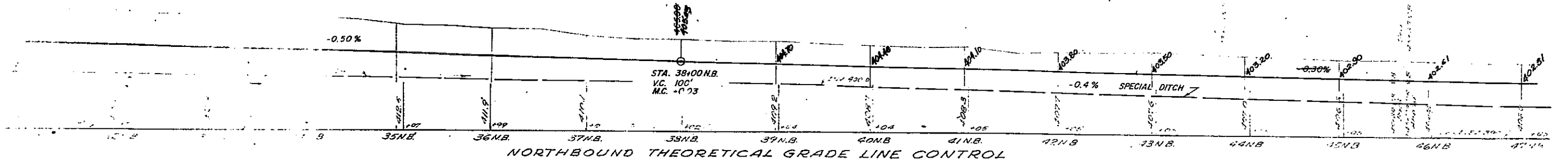


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S... T

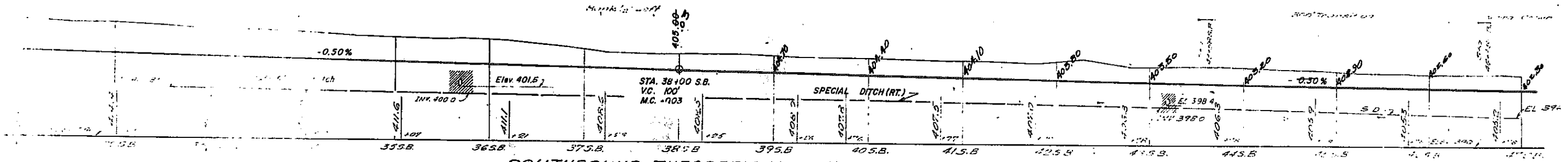
FIELD CHANGE SHEET

FOR CONTRACT SH 69-5
CAPITAL PROJECT IDENTIFICATION NO. 3035.00
SHEET 78 FI VOIDS ALL OF ORIGINAL SHEET 78
THIS CHANGE INVOLVES ALTERING THE
MAIN LINE PROFILE

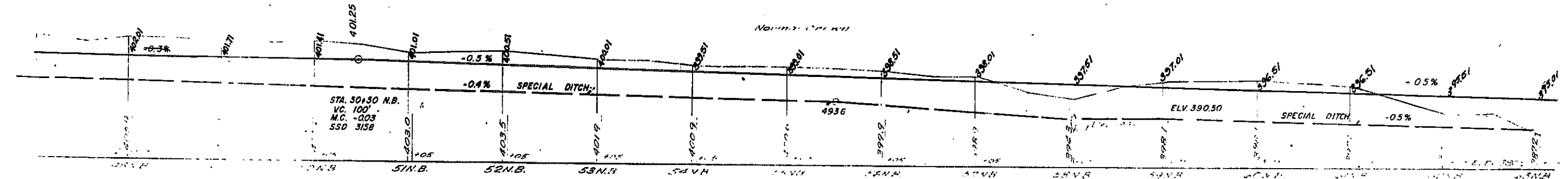
EUCLID-NORTH SYRACUSE, S.H.
AS BUILT
78 FI (B) 57



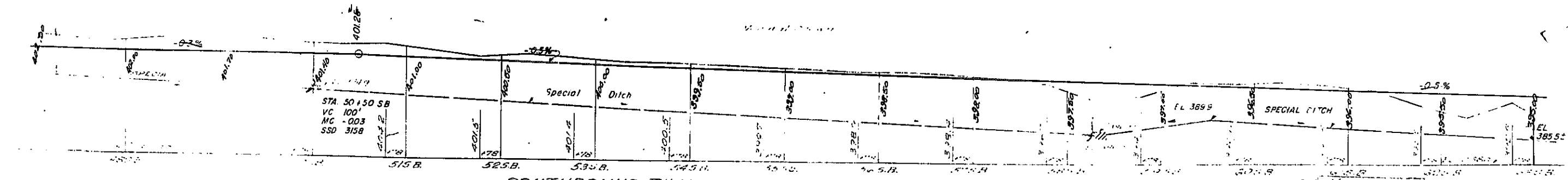
NORTHBOUND THEORETICAL GRADE LINE CONTROL



SOUTHBOUND THEORETICAL GRADE LINE CONTROL



NORTHBOUND THEORETICAL GRADE LINE CONTROL



SOUTHBOUND THEORETICAL GRADE LINE CONTROL

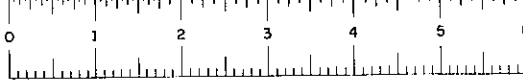
PROFILE
SCALE 1" = 50' (VERTICAL)
1" = 100' (HORIZONTAL)

DESIGNER: [Signature]
TRACED BY: [Signature]
CHECKED BY: [Signature]

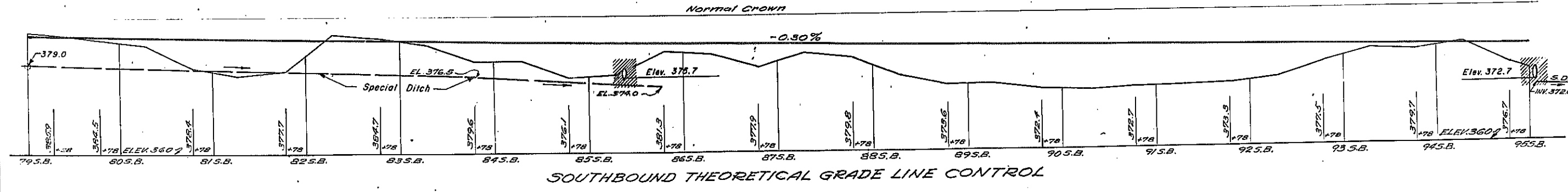
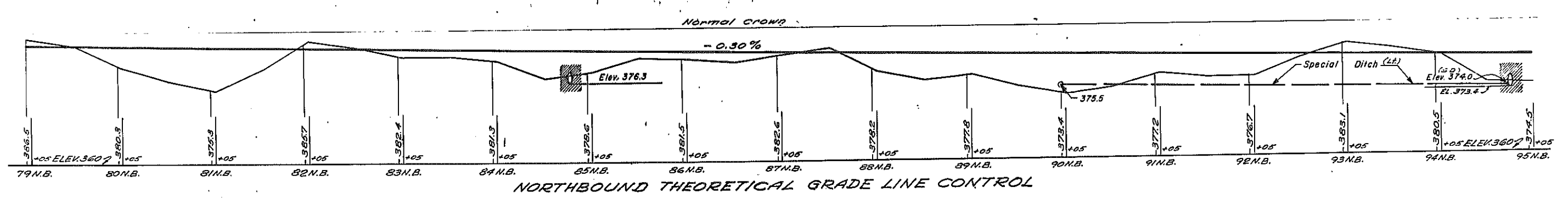
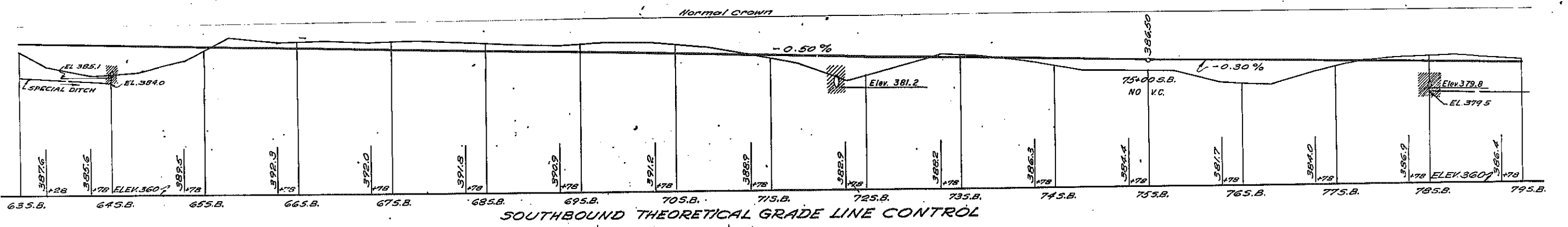
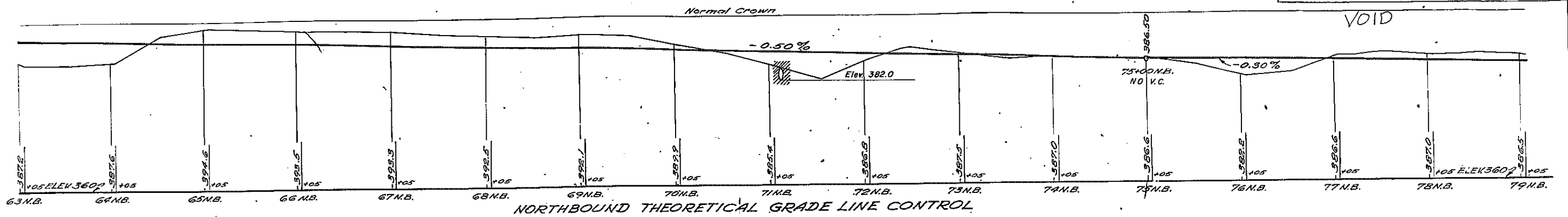
FIELD CHANGE SHEET

THIS SIGNATURE APPROVES FIELD CHANGE SHEETS
78 FI, 79 FI, 81 FI, 82 FI.

As built P... TGL Elev. Change.
PREPARED IN ACCORDANCE WITH THE HIGHWAY LAW
ALL RECOMMENDED BY
ASSISTANT REGIONAL ENGINEER OF TRANSPORTATION
DATE Oct. 2, 1978



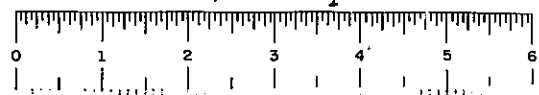
FED. RD. REG. NO.	STATE	FEDERAL AID. PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		79R	257
EUCLID-NORTH SYRACUSE, S.H.				



PROFILE
 SCALE: 1" = 50' Horizontal
 1" = 10' Vertical

Made by Roder D. Shannon Checked by Flu. S. G. Traced by Max. Belle Checked by R. B. ...

Sheet #79 F1E1 VOIDS all of this Sheet.



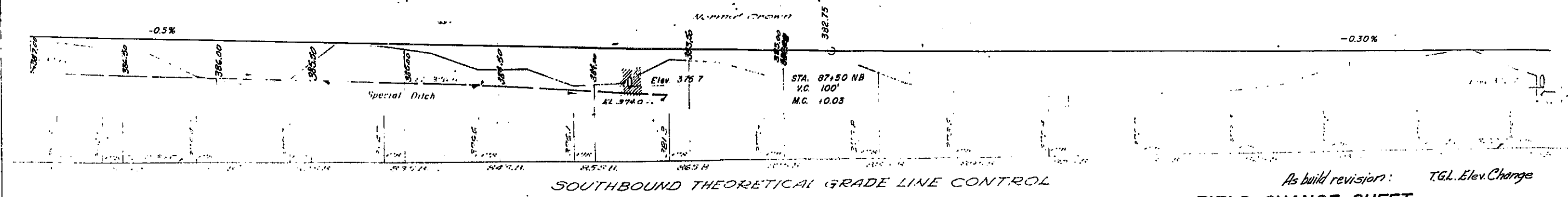
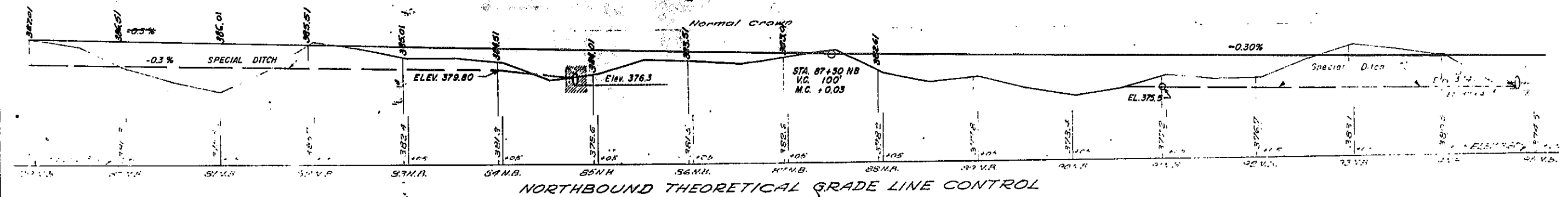
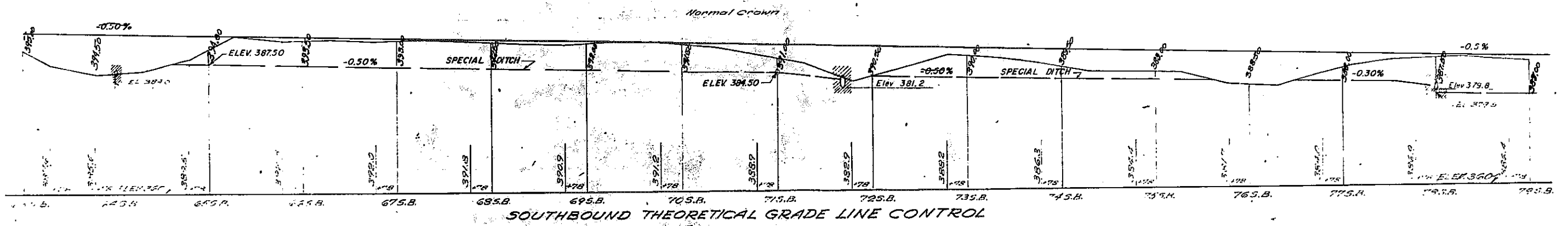
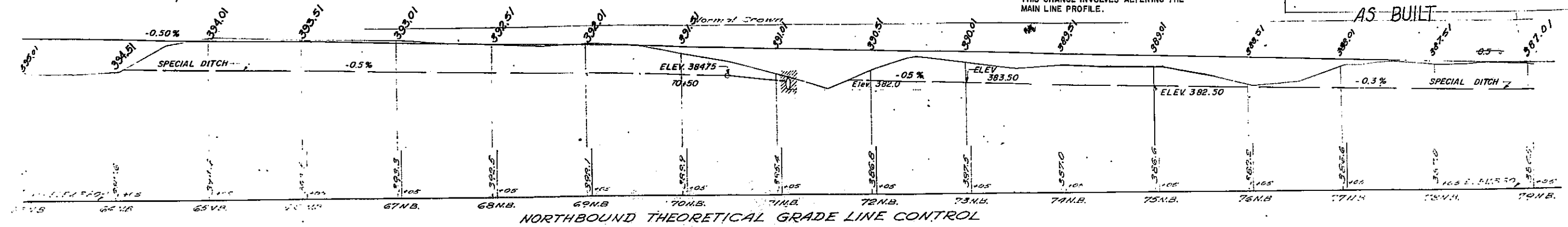
FIELD CHANGE SHEET

FOR CONTRACT SH 69-5
CAPITAL PROJECT IDENTIFICATION NO. 3035.00
SHEET 79 F1 VOIDS ALL OF ORIGINAL SHEET 79
THIS CHANGE INVOLVES ALTERING THE
MAIN LINE PROFILE.

FED. RD. DIST. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	NY		79 F1 R1	257

EUCLID-NORTH SYRACUSE, S.H.

AS BUILT

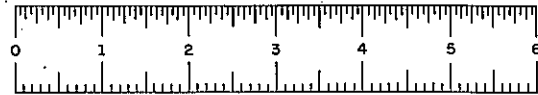


As build revision: T.G.L. Elev. Change
FIELD CHANGE SHEET

PROFILE

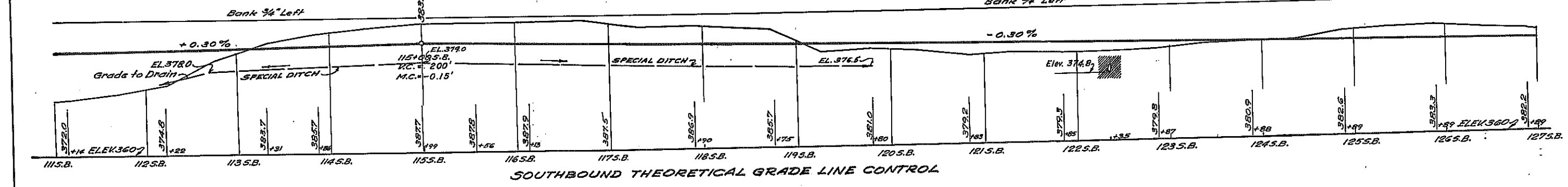
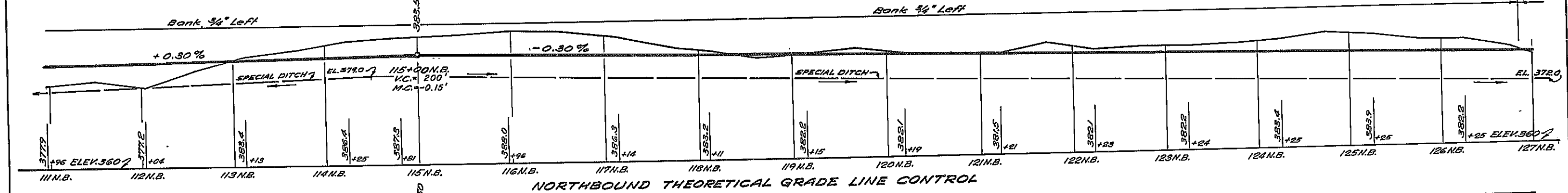
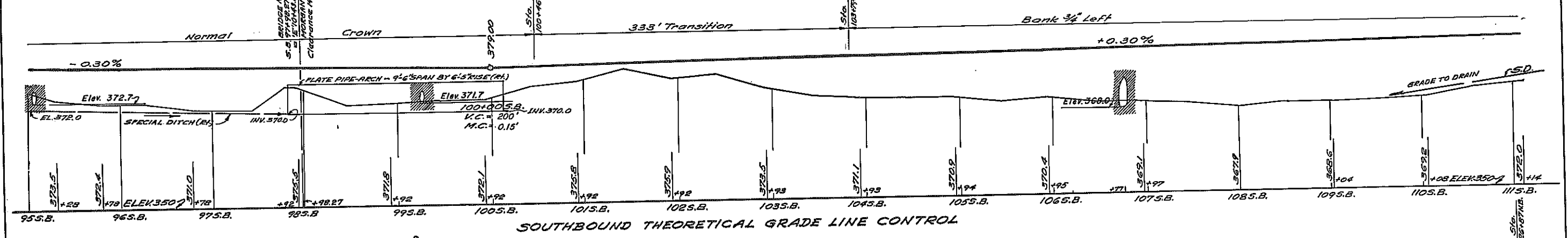
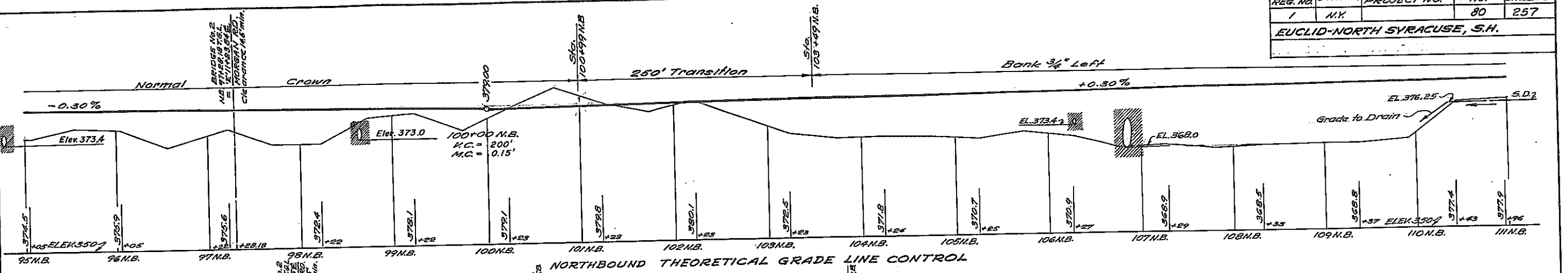
SEE SHEET 78 F1 FOR APPROVAL SIGNATURE

[Signature] DESIGNED BY
 [Signature] TRACED BY
 [Signature] CHECKED BY



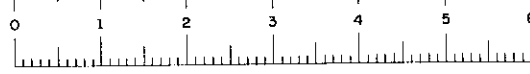
SH 69-5 RC 69-102

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		80	257
EUCLID-NORTH SYRACUSE, S.H.				



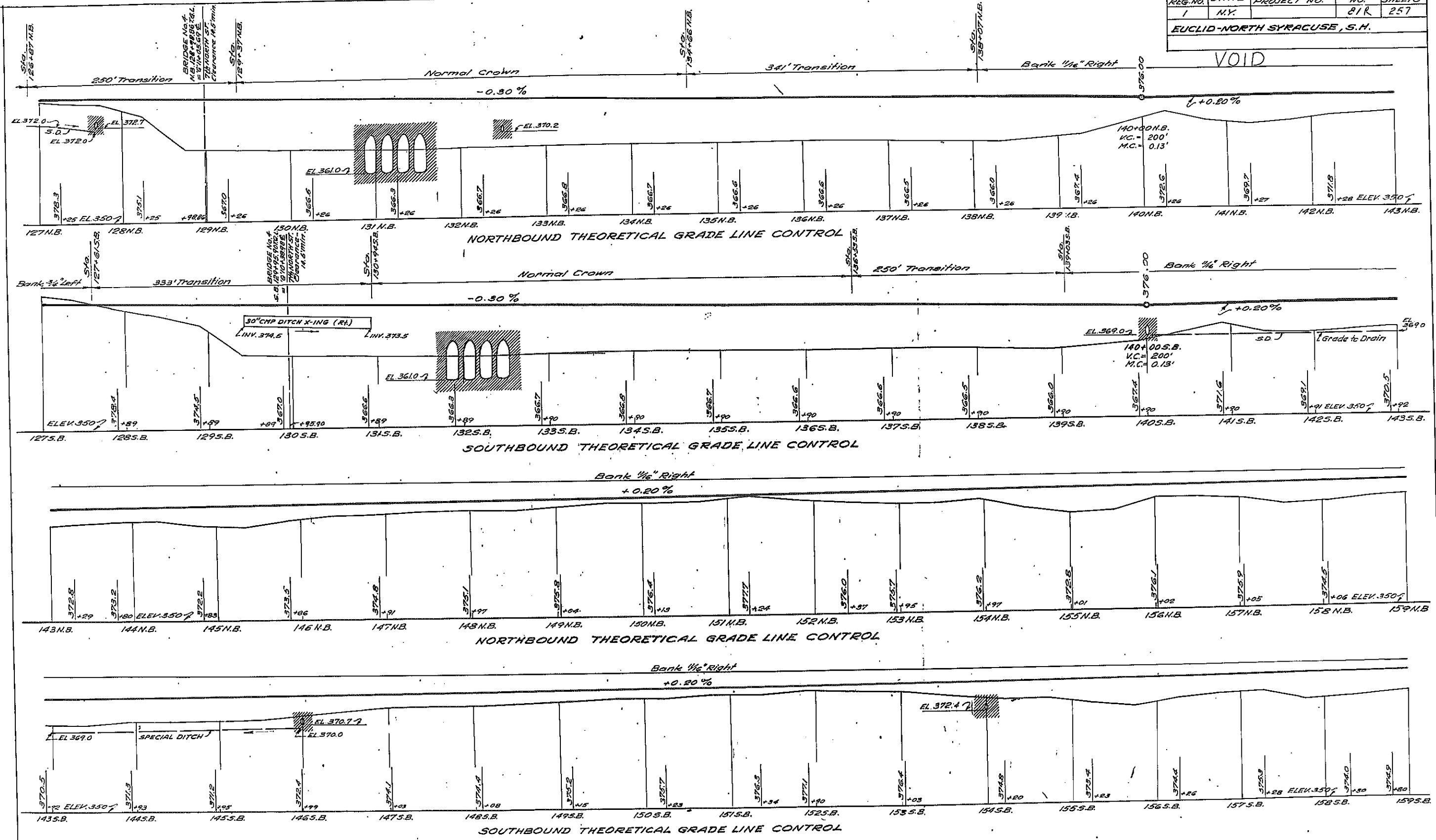
PROFILE
SCALE: 1" = 50' Horizontal
1" = 10' Vertical

Made by John P. Shannon Checked by John P. Shannon Traced by John P. Shannon Checked by John P. Shannon



FED. RD. RES. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		81R	257

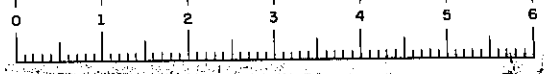
EUCLID-NORTH SYRACUSE, S.H.



PROFILE
SCALE: 1" = 50' Horizontal
1" = 10' Vertical

Made by: *John P. Skanner*
Checked by: *John P. Skanner*
Traced by: *Alex. B. Bello*
Checked by: *W. H. Anderson*

Sheet #81 F1R1 VOID All of this Sheet.

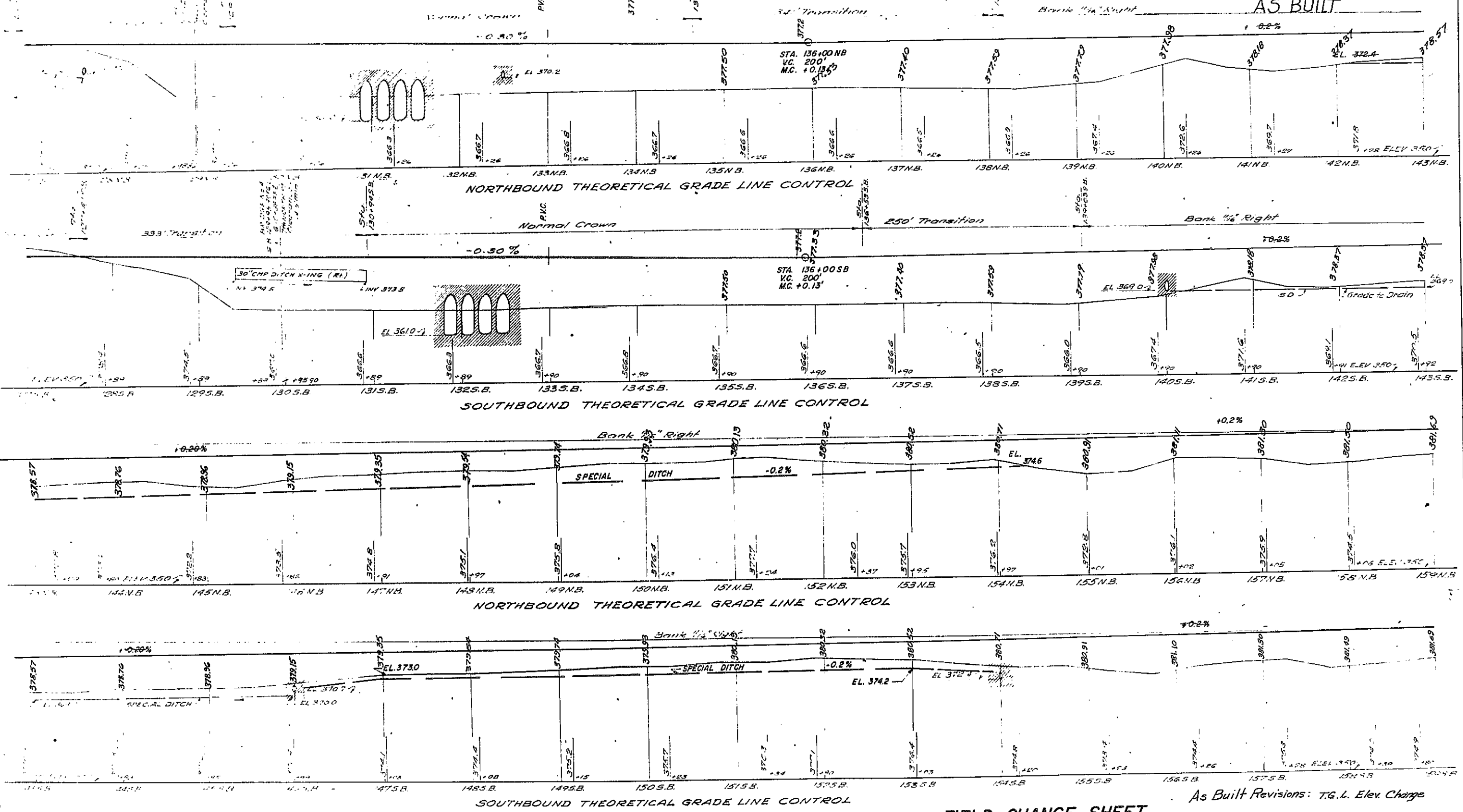


FIELD CHANGE SHEET

FOR CONTRACT SH 69-5
 CAPITAL PROJECT IDENTIFICATION NO. 3035.00
 SHEET 81 FI Voids ALL OF ORIGINAL SHEET 81
 THIS SHEET INVOLVES ALTERING THE
 MAIN LINE PROFILE.

FED. RD. DIST. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		81 FI	251

EUCLID-NORTH SYRACUSE, S.H.



AS BUILT

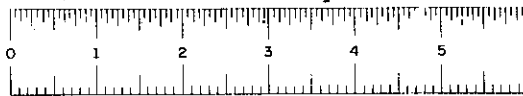
PROFILE
 SCALE: 1" = 50' Horizontal
 1" = 10' Vertical

FIELD CHANGE SHEET

As Built Revisions: T.G.L. Elev. Change

SEE SHEET 78 FI FOR APPROVAL SIGNATURE

DESIGNED BY
 TRACED BY
 CHECKED BY

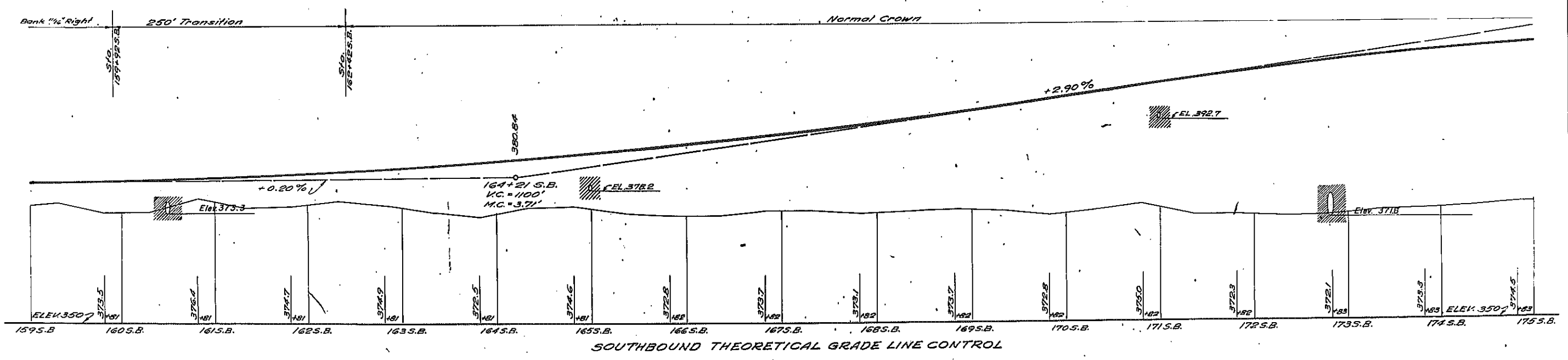
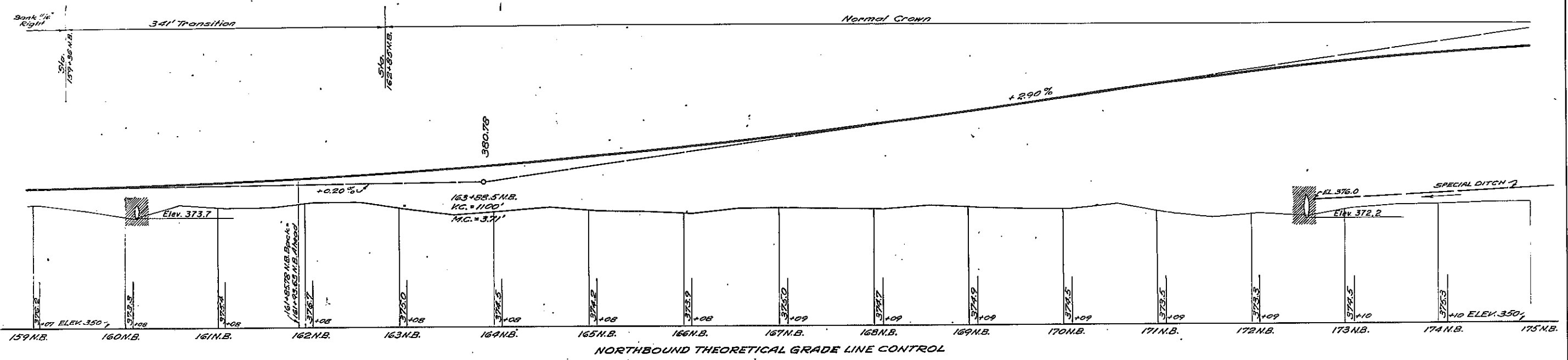


SH 69-5 RC 69-102

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		82R	257

EUCLID-NORTH SYRACUSE, S.H.

VOID



PROFILE
SCALE: 1"=50' Horizontal
1"=10' Vertical

Made by John C. Shannon Checked by J.W. [unclear] Traced by Ken Bell Checked by H. [unclear]

Sheet # 82 F1A1 VOIDS All of This Sheet

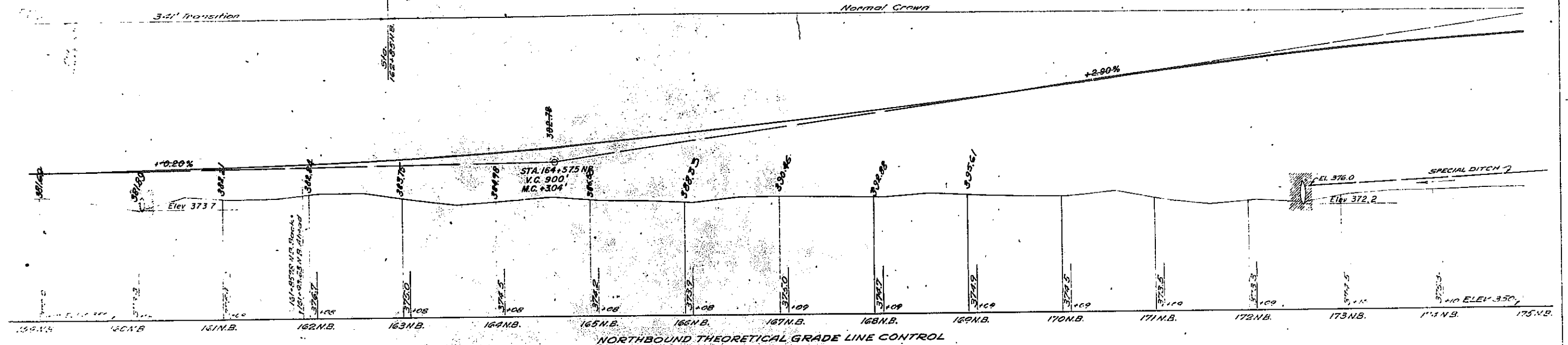
FIELD CHANGE SHEET

FOR CONTRACT SH 69-5
CAPITAL PROJECT IDENTIFICATION NO. 3035.00
SHEET 82 FI VOIDS ALL OF ORIGINAL SHEET 82
THIS CHANGE INVOLVES ALTERING THE
MAIN LINE PROFILE.

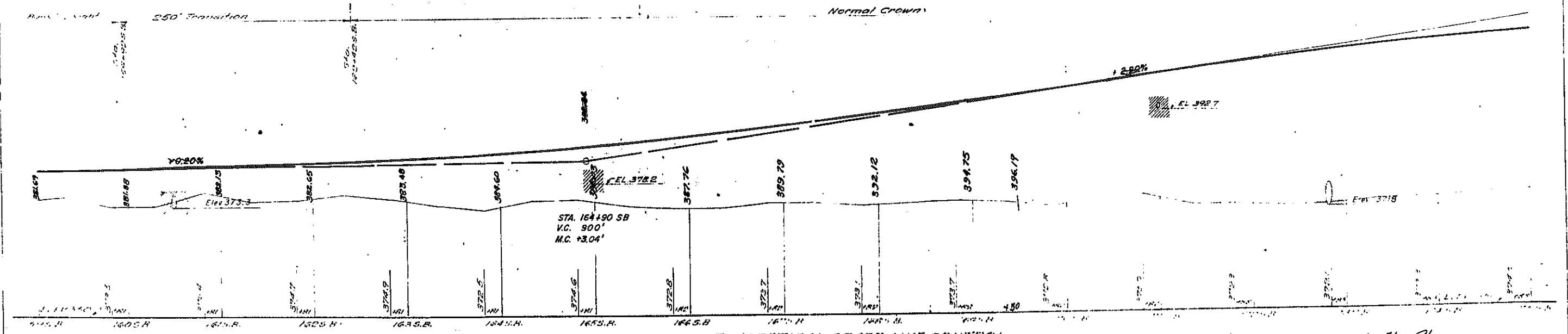
FED. STATE	FEDERAL AID	SHEET NO.	TOTAL SHEETS
REG. NO.	PROJECT NO.	NO.	
1	NY	82 FI	257

EUCLID-NORTH SYRACUSE, S.H.

AS BUILT



NORTHBOUND THEORETICAL GRADE LINE CONTROL



SOUTHBOUND THEORETICAL GRADE LINE CONTROL

PROFILE
SCALE: 1" = 50' Horizontal
1" = 10' Vertical

FIELD CHANGE SHEET

As Built Revision: T.G.L. Elev. Change

SEE SHEET 78 FI FOR APPROVAL SIGNATURE

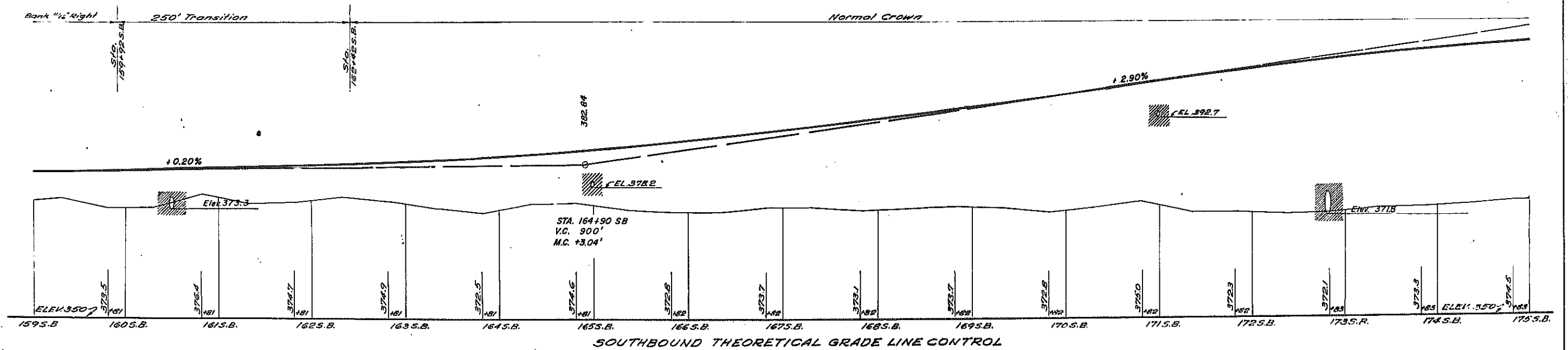
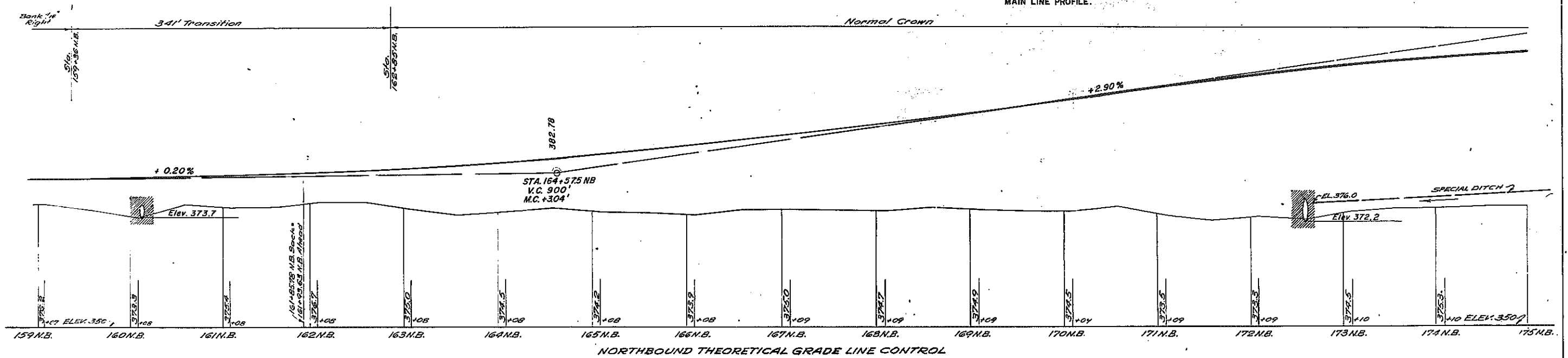
DESIGNER
 TRACED BY
 CHECKED BY

FIELD CHANGE SHEET

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		82 FI	257

EUCLID-NORTH SYRACUSE, S.H.

FOR CONTRACT SH 69-5
 CAPITAL PROJECT IDENTIFICATION NO. 3035.00
 SHEET 82 FI VOIDS, ALL OF ORIGINAL SHEET 82
 THIS CHANGE INVOLVES ALTERING THE
 MAIN LINE PROFILE.



PROFILE
 SCALE: 1" = 50' Horizontal
 1" = 10' Vertical

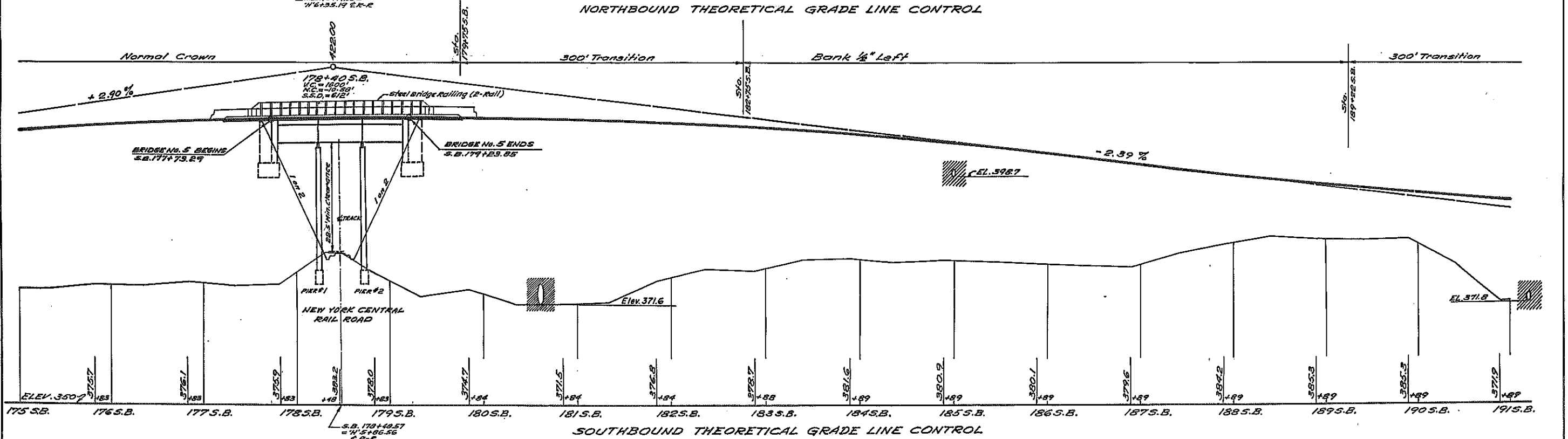
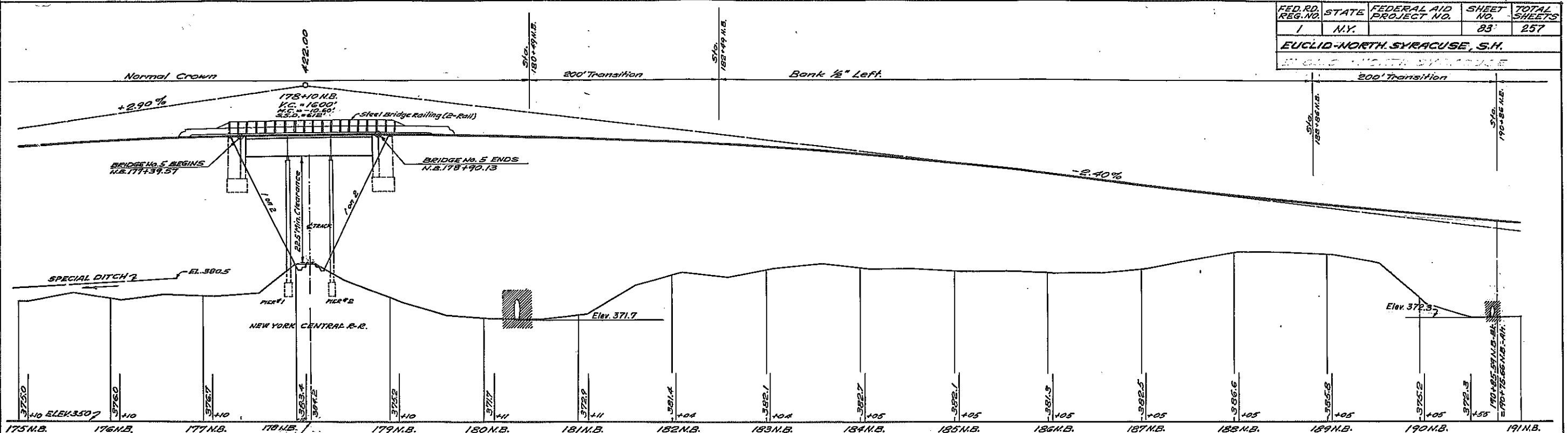
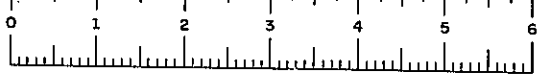
FIELD CHANGE SHEET

SEE SHEET 78 FI FOR APPROVAL SIGNATURE

Made by: John C. Shannon
 Checked by: J.L. [Signature]
 Traced by: K. [Signature]
 Checked by: K. [Signature]

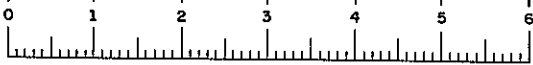
DESIGNER: [Signature]
 TRACED BY: [Signature]
 CHECKED BY: [Signature]

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		83	257
EUCLID-NORTH SYRACUSE, S.H.				
EUCLID-NORTH SYRACUSE				



PROFILE
1" = 50' Horizontal
SCALE: 1" = 10' Vertical

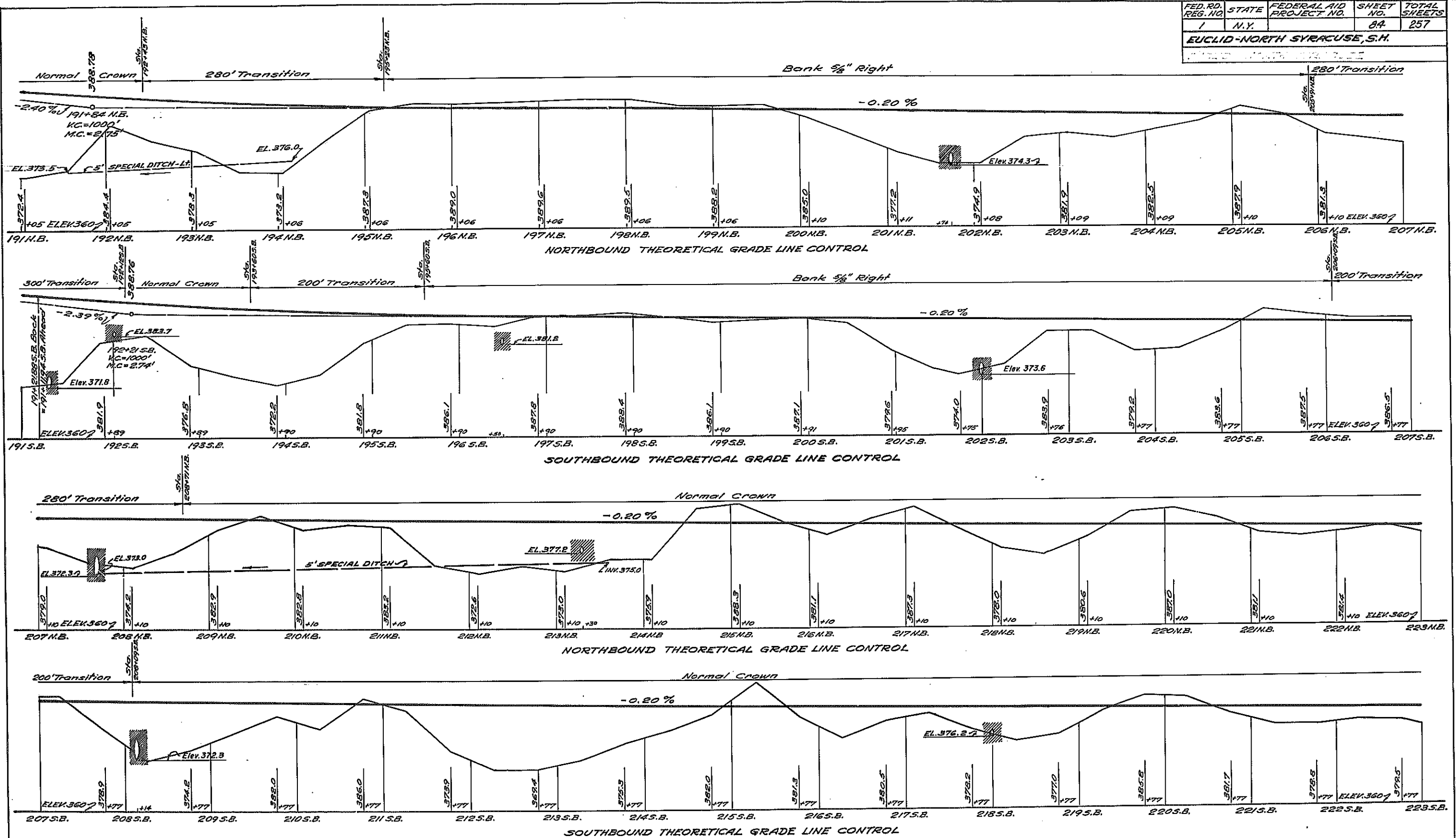
Made by *John P. Shannan* Checked by *W. G. G. G.* Traced by *Alex. Belle* Checked by *K. H. H. H.*



SH 69-5 RC 69-102

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		84	257

EUCLID-NORTH SYRACUSE, S.H.

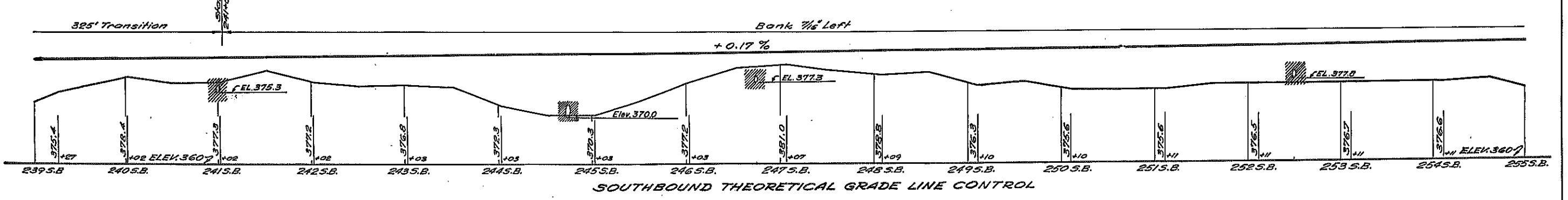
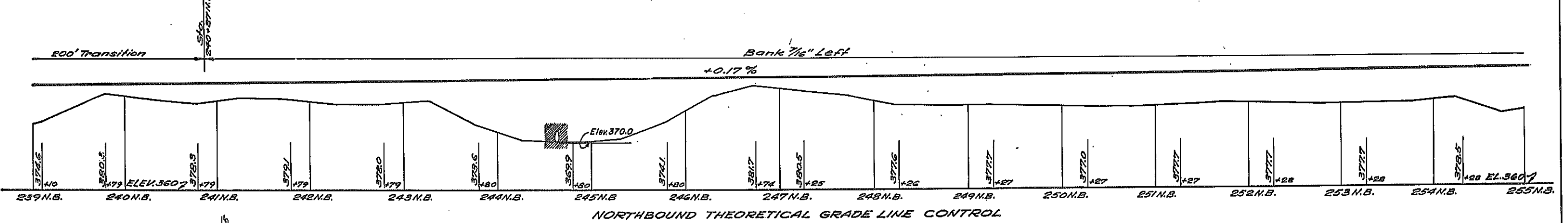
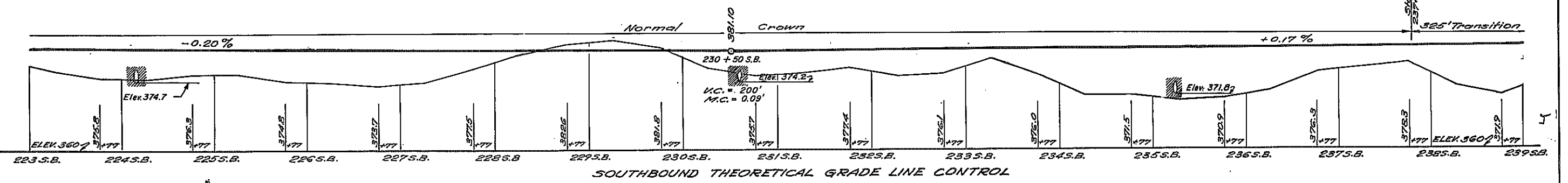
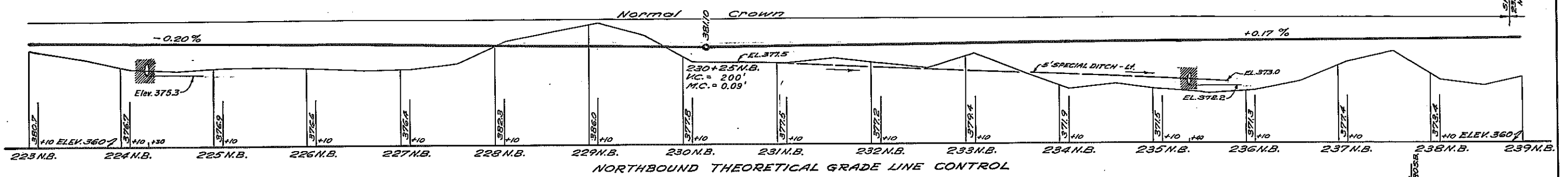


PROFILE
SCALE: 1" = 50' Horizontal
1" = 10' Vertical

Made by John P. Shannon Checked by W. J. G. G. G. Traced by Alex. Balte Checked by R. Rodin



FED. RD. DIST. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		85	257
EUCLID-NORTH SYRACUSE, S.H.				
EUCLID-NORTH SYRACUSE				

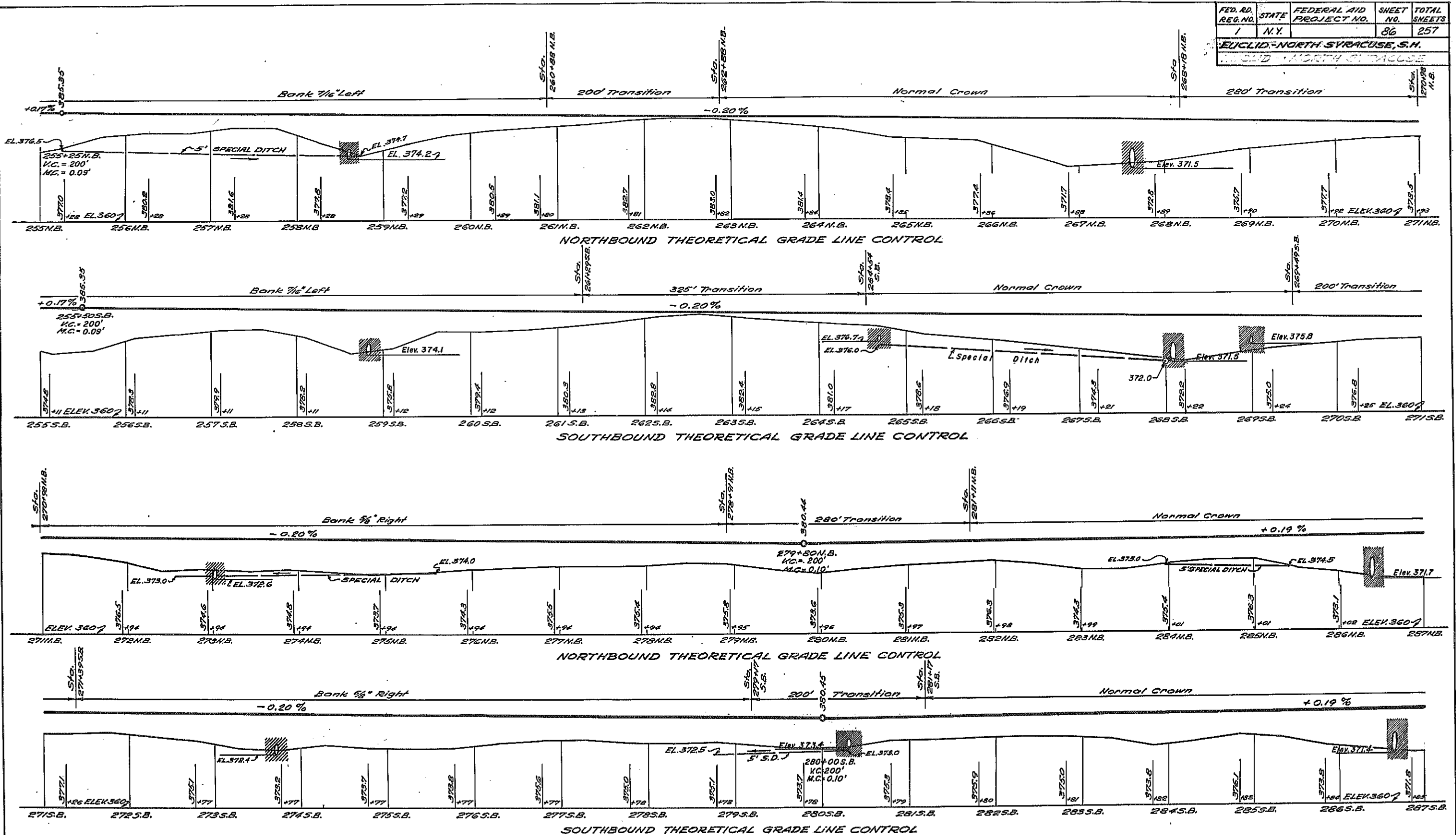
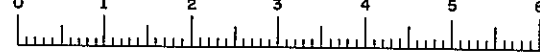


PROFILE
SCALE: 1" = 50' Horizontal
1" = 10' Vertical

Made by Checked by Traced by Checked by
[Signatures]

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		86	257

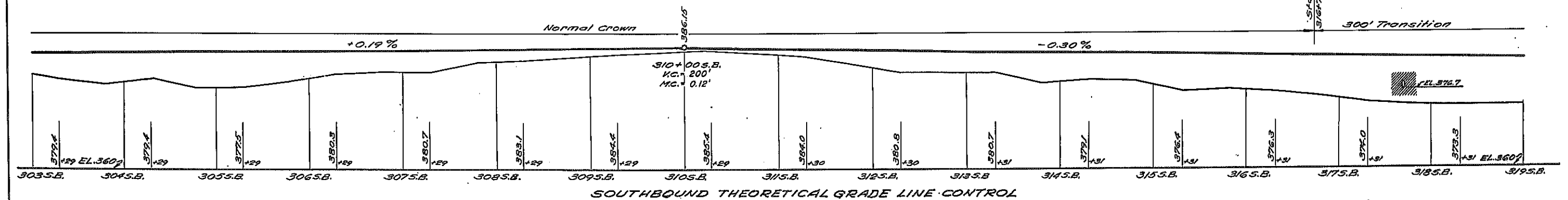
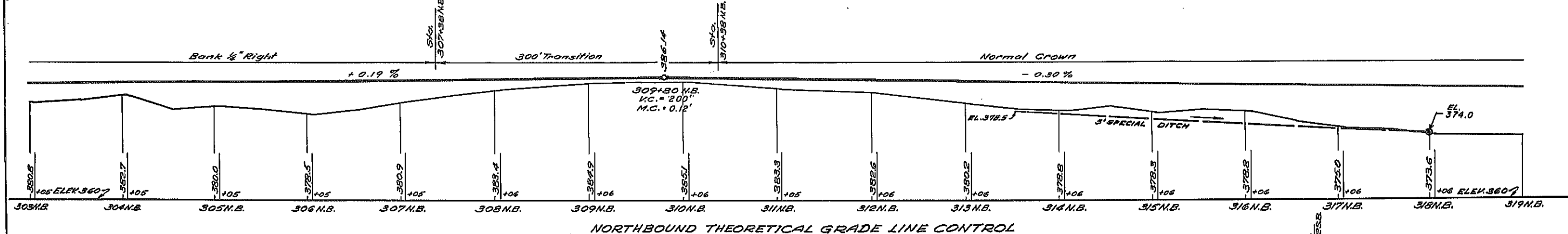
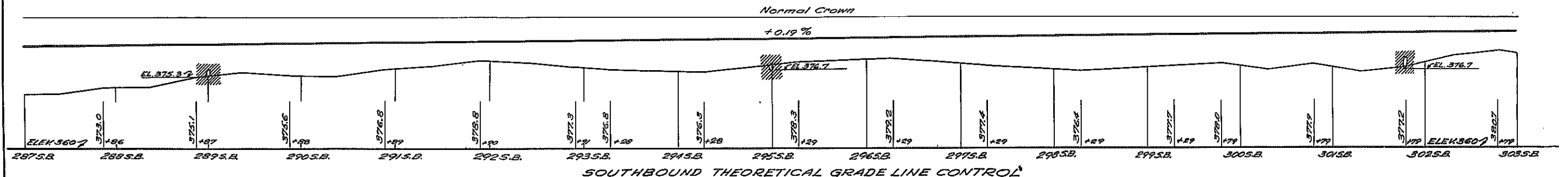
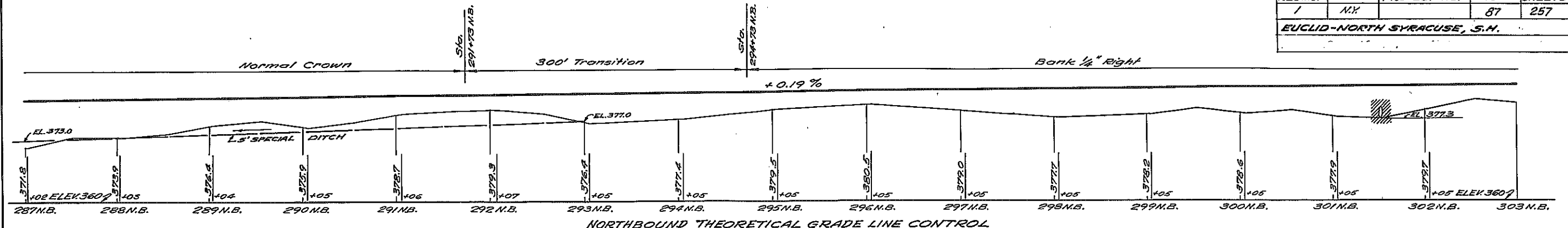
EUCLID-NORTH SYRACUSE, S.H.
EUCLID-NORTH SYRACUSE



PROFILE
 SCALE: 1" = 50' Horizontal
 1" = 10' Vertical

Made by John P. Slattery Checked by Max Balle Traced by W. Mad... Checked by W. Mad...

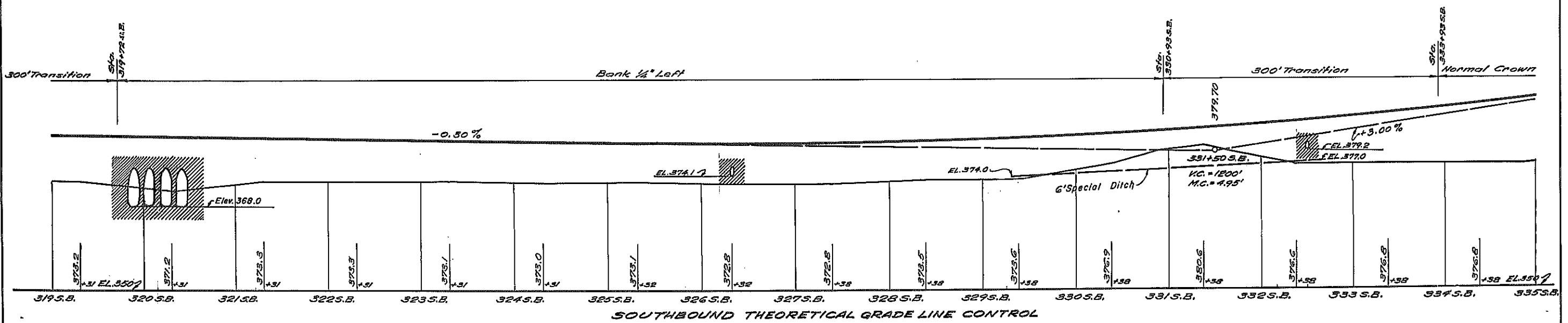
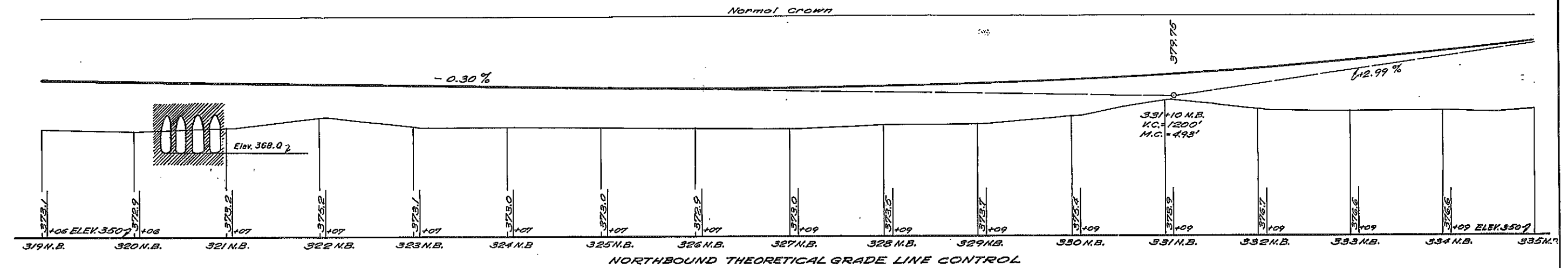
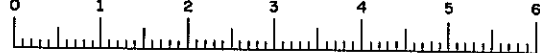
FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		87	257
EUCLID-NORTH SYRACUSE, S.H.				



PROFILE
SCALE: 1" = 50' Horizontal
1" = 10' Vertical

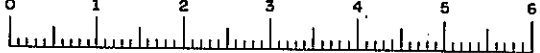
MADE BY: [Signature]
CHECKED BY: [Signature]
TRACED BY: [Signature]
CHECKED BY: [Signature]

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		88	257
EUCLID-NORTH SYRACUSE, S.H.				



PROFILE
SCALE: 1" = 50' Horizontal
1" = 10' Vertical

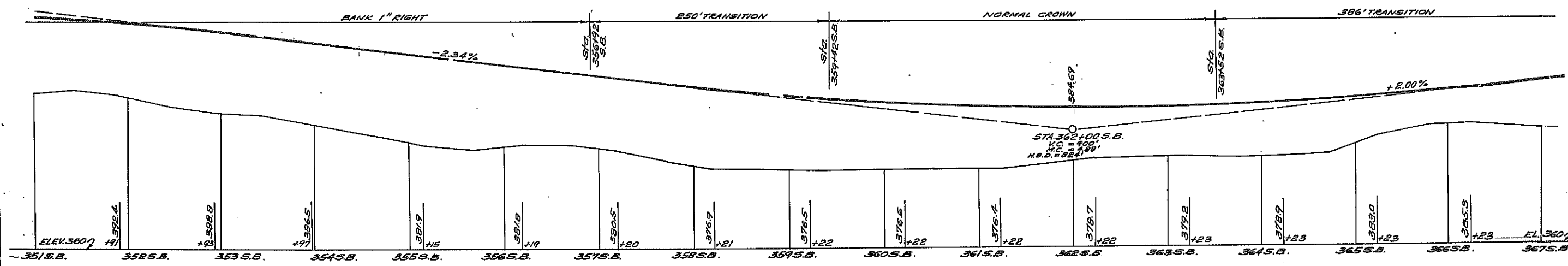
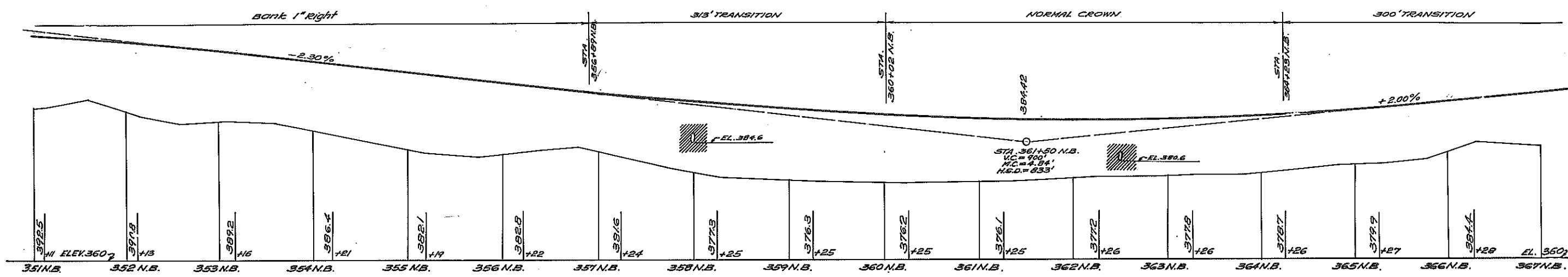
MADE BY *John P. Shannon* CHECKED BY *John J. Gitt* TRACED BY *Harold E. G. H. H. H.* CHECKED BY *W. H. H.*



SH 69-5 RC 69-102

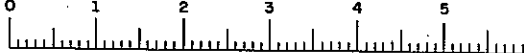
FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		90	257

EUCLID-NORTH SYRACUSE, S.H.



MADE BY: *John P. [Signature]*
 CHECKED BY: *G. Scitz*
 TRACED BY: *E. Scully*
 CHECKED BY: *[Signature]*

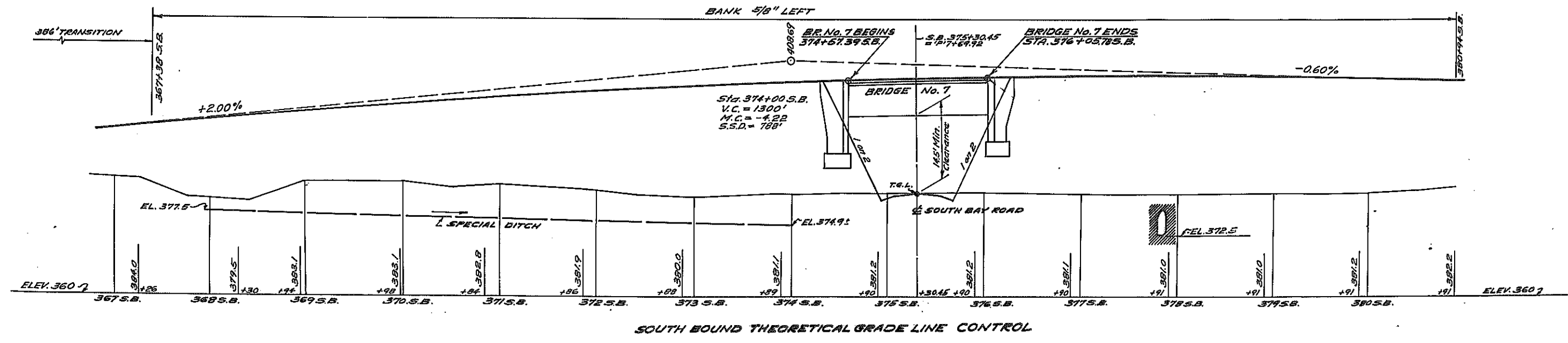
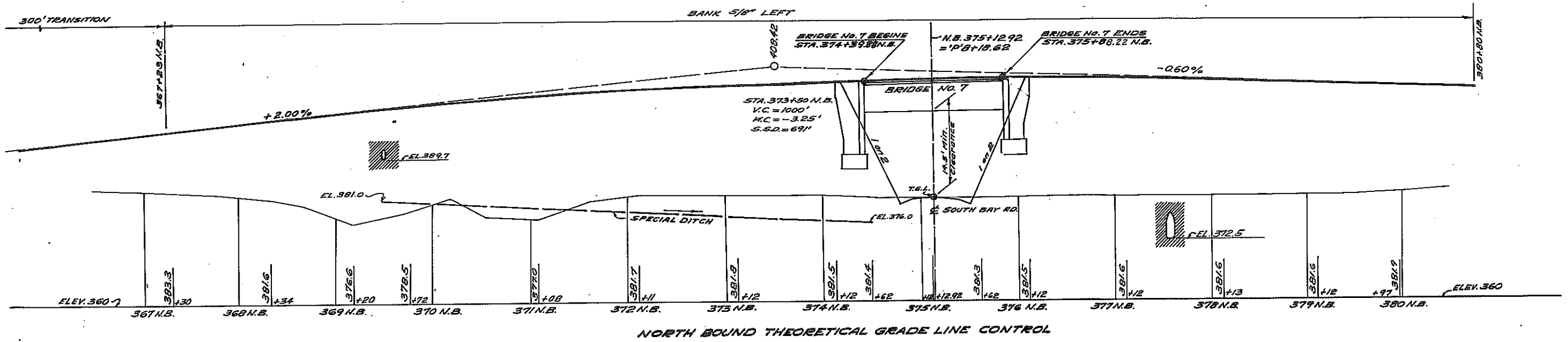
PROFILE SCALE:
 1" = 50' Horizontal
 1" = 10' Vertical



SH 69-5 RC 69-102

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		91	257

EUCLID-NORTH SYRACUSE, S.H.
MATTYDALE-BREWERTON, S.H. 57-6

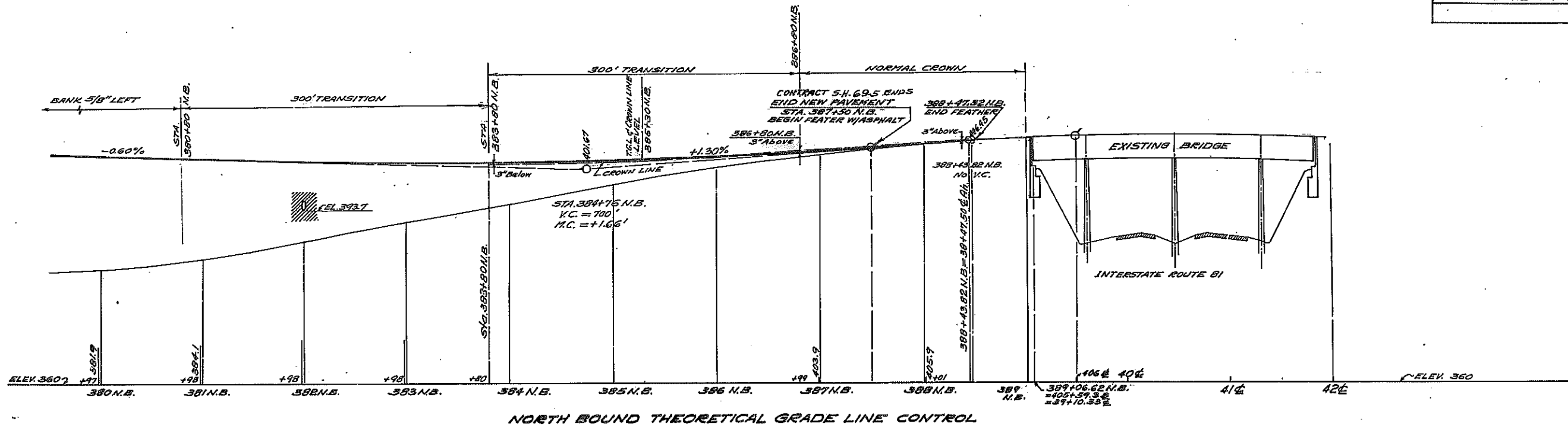


PROFILE
SCALE: 1" = 50' HORIZONTAL
1" = 10' VERTICAL

MADE BY: *G. SAITZ*
CHECKED BY: *G. SAITZ*
TRACED BY: *L. SAULIETS*
CHECKED BY: *W. H. HANCOCK*

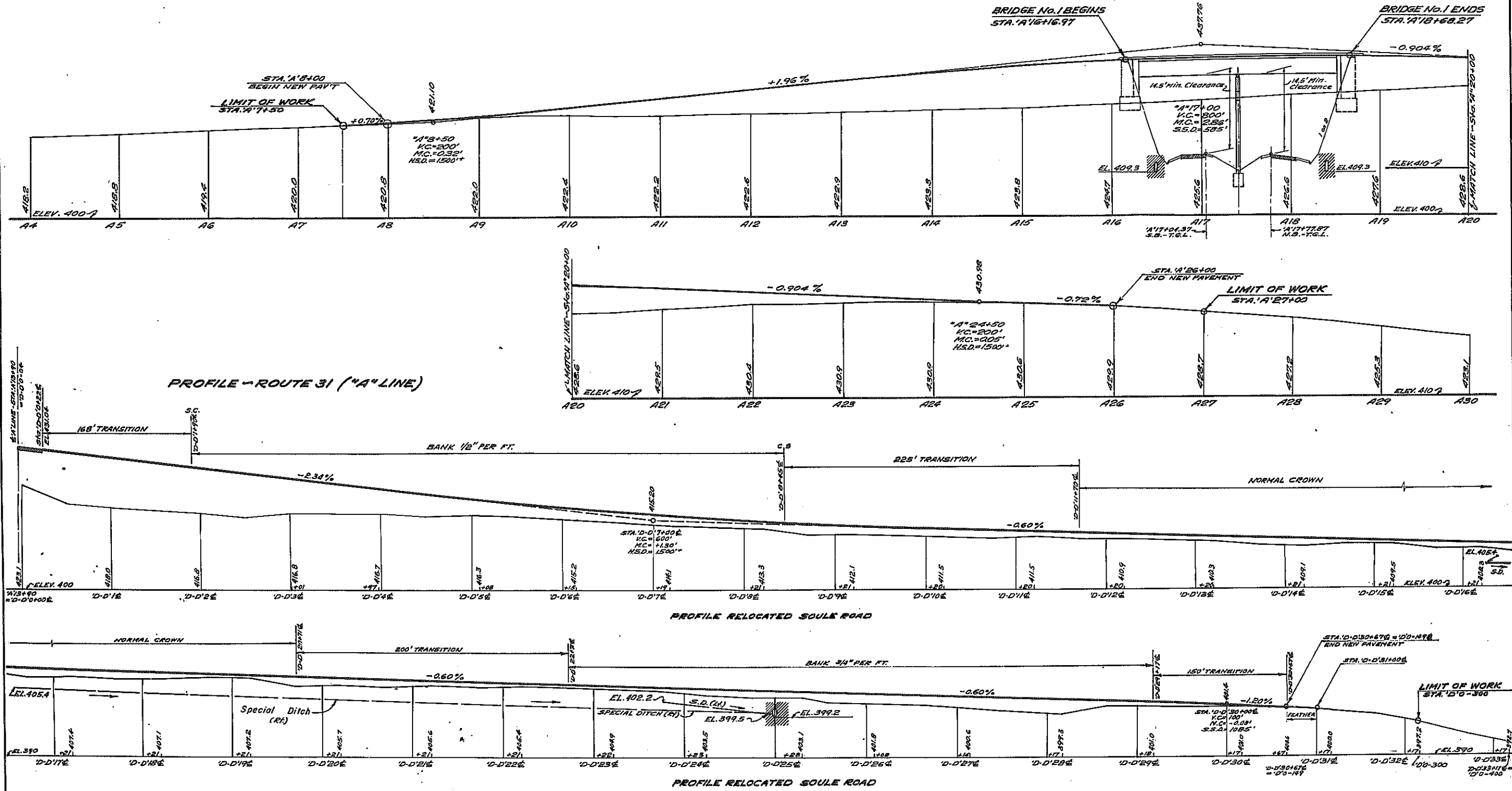
FED. RD. DIST. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		92	257

MATTYDALE-BREWERTON, S.H. 57-6



FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		93	257

EUCLID-NORTH SYRACUSE, S.H.



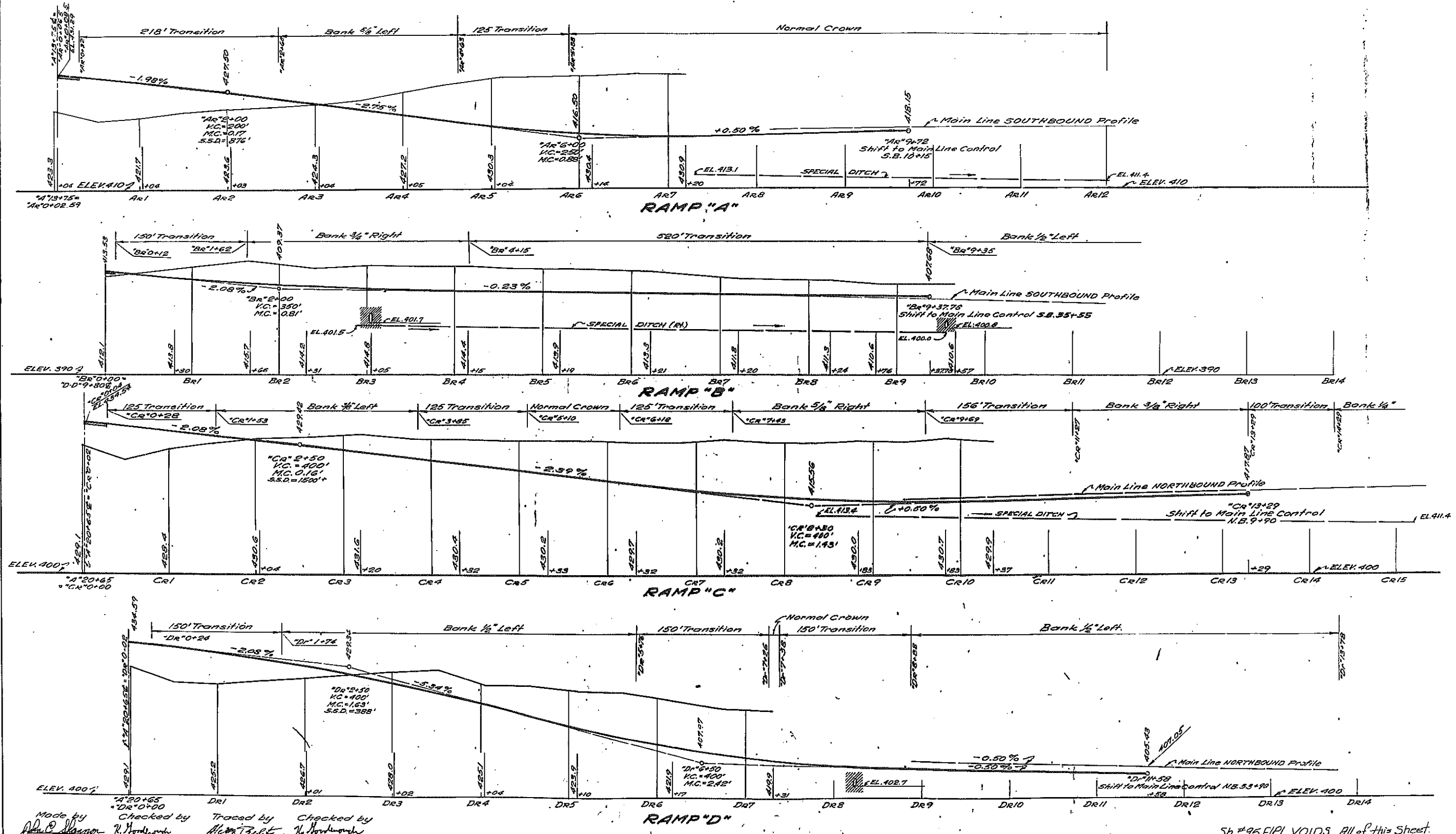
SCALE OF PROFILE IN FEET
 HORIZONTAL: 1" = 50'
 VERTICAL: 1" = 10'

Made by *[Signature]* Checked by *[Signature]* Traced by *[Signature]* Checked by *[Signature]*

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		95R	257
PHOENIX-SYRACUSE, S.H. 5274				
EUCLID-NORTH SYRACUSE, S.H.				

RAMP PROFILES

SCALE: 1"=10' Vertical
1"=50' Horizontal



Made by Alfred Shannon Checked by R. H. ... Traced by Alfred ... Checked by N. ...

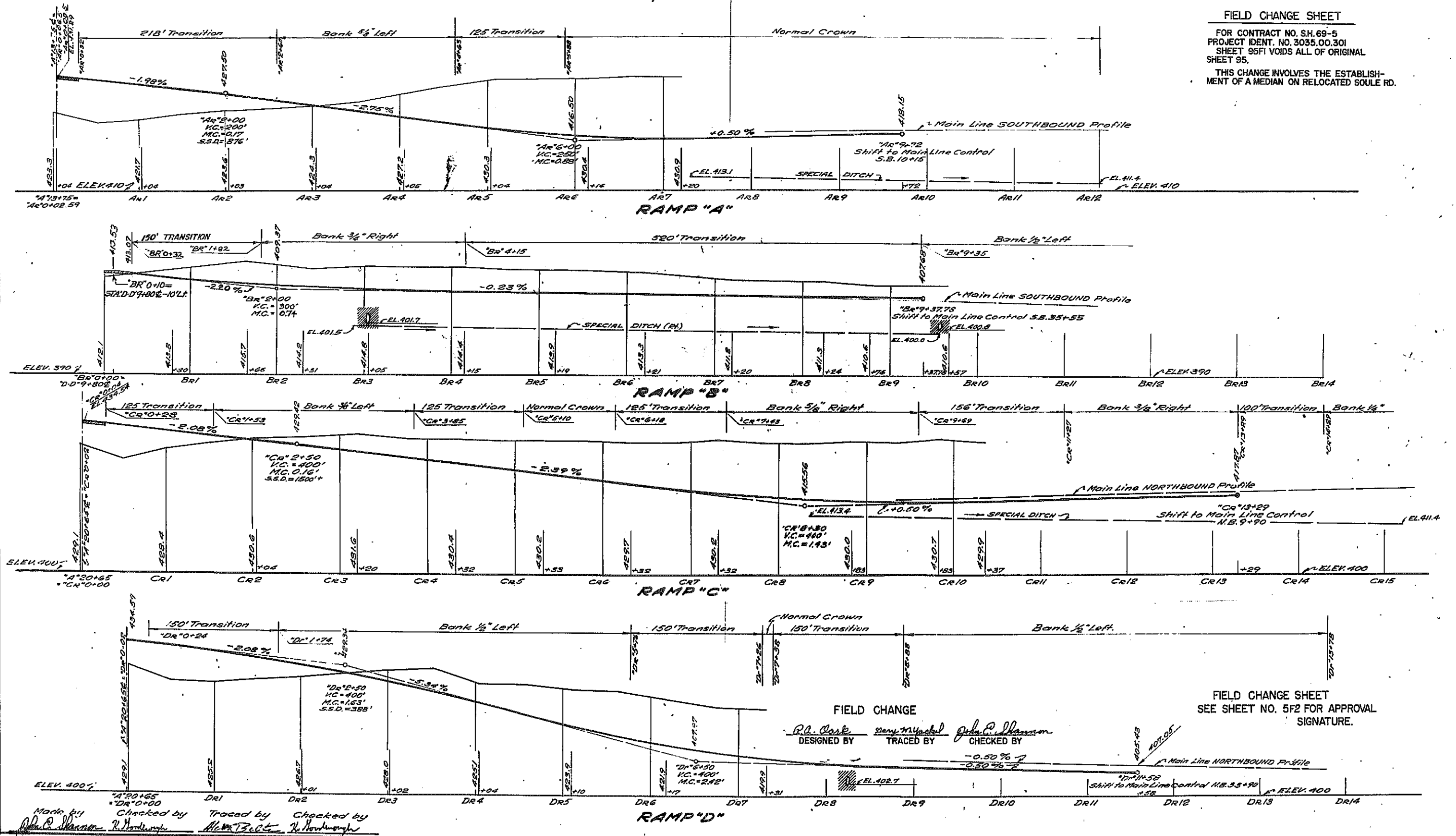
SH. #95 FIRE Voids All of this Sheet.

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		95F1	257
PHOENIX-SYRACUSE, S.H. 5274				
EUCLID-NORTH SYRACUSE, S.H.				

RAMP PROFILES
SCALE: 1"=10' Vertical
1"=50' Horizontal

FIELD CHANGE SHEET

FOR CONTRACT NO. S.H. 69-5
PROJECT IDENT. NO. 3035.00.301
SHEET 95F1 VOIDS ALL OF ORIGINAL SHEET 95.
THIS CHANGE INVOLVES THE ESTABLISHMENT OF A MEDIAN ON RELOCATED SOULE RD.

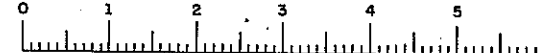


FIELD CHANGE

DESIGNED BY *R.A. Clark*
TRACED BY *Sam M. ...*
CHECKED BY *John C. Shannon*

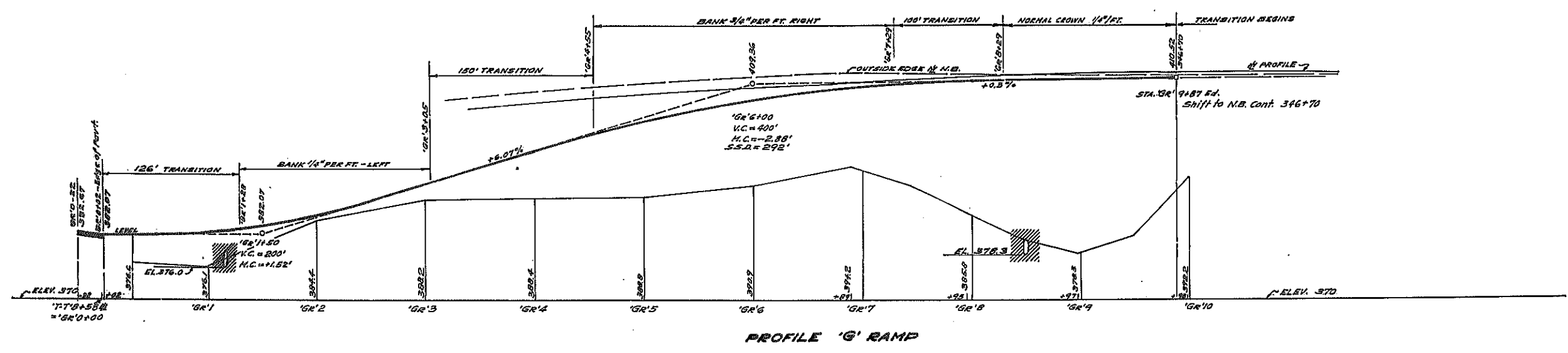
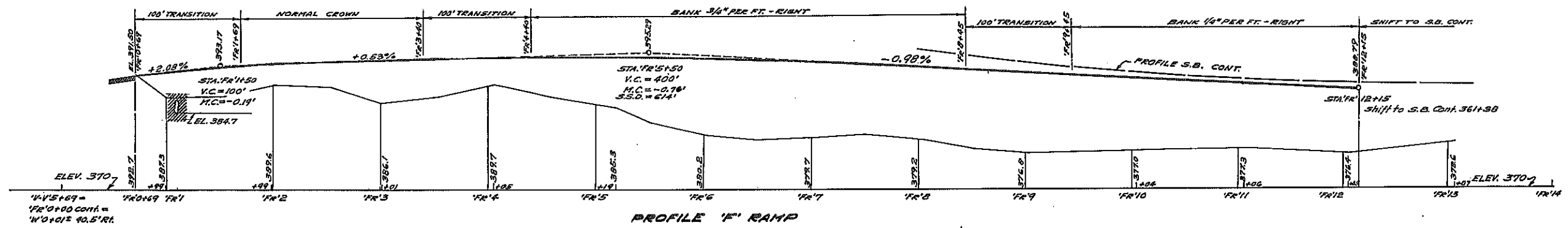
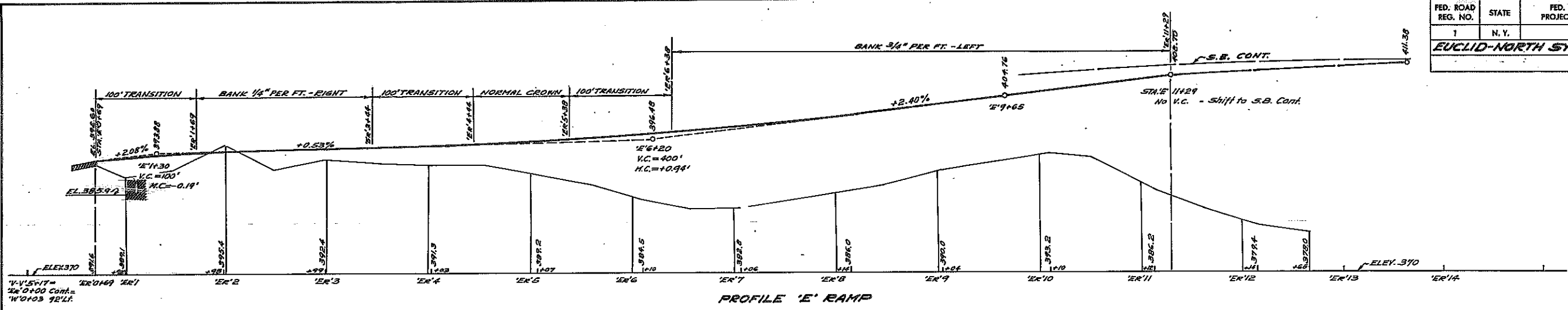
FIELD CHANGE SHEET
SEE SHEET NO. 5F2 FOR APPROVAL
SIGNATURE.

Made by *John C. Shannon*
Checked by *R. ...*
Traced by *Sam ...*
Checked by *John C. Shannon*



FED. ROAD REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N. Y.		96	257

EUCLID-NORTH SYRACUSE, S.H.



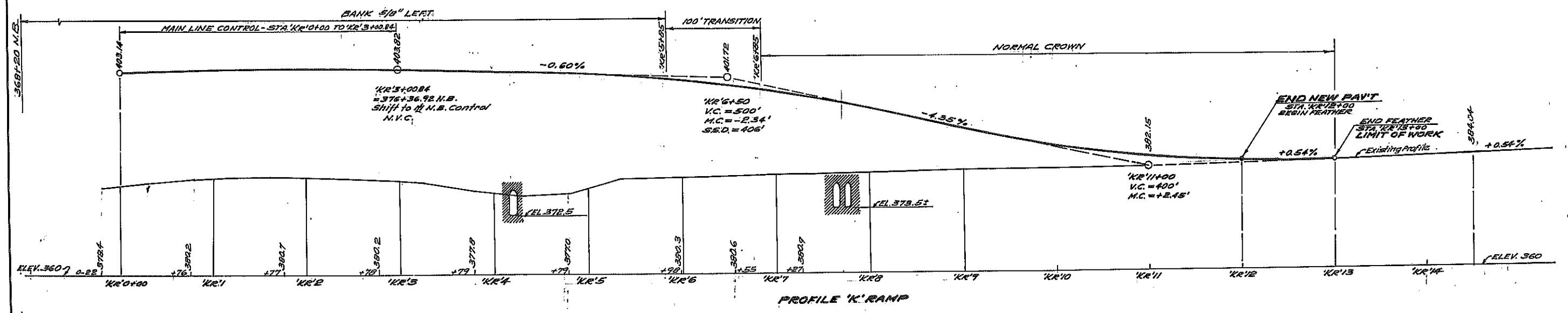
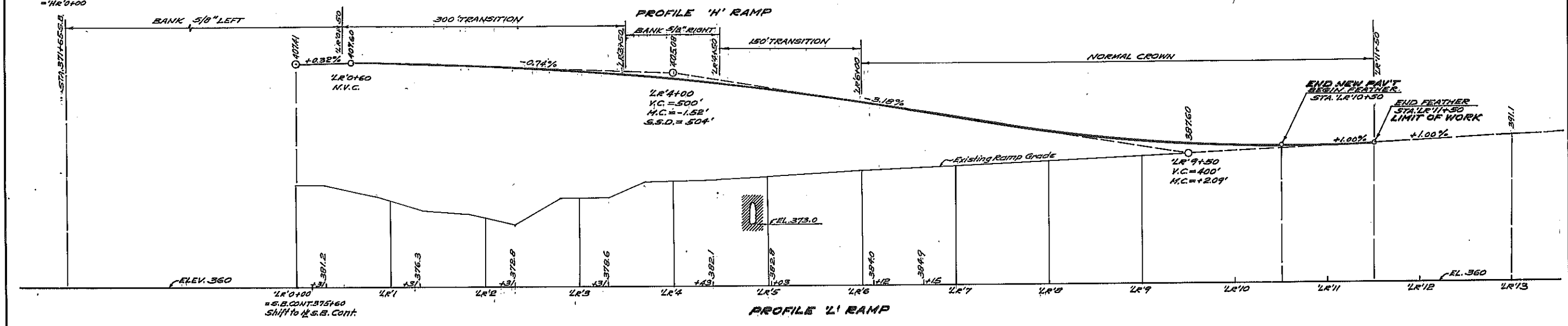
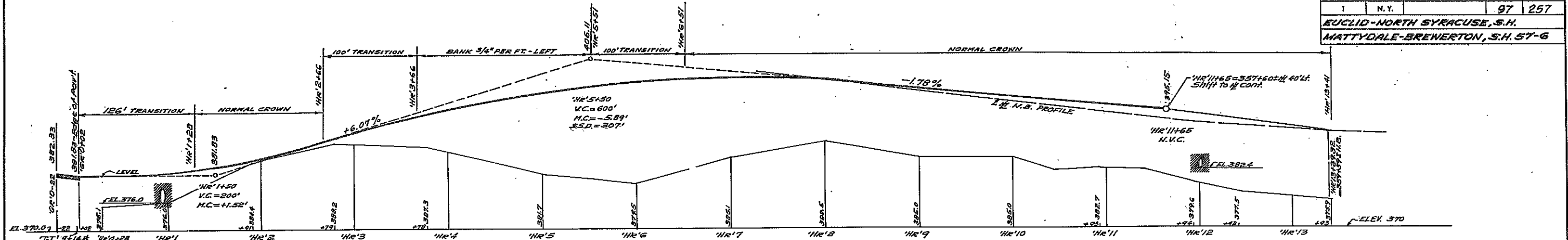
SCALE IN FEET
 HORIZONTAL : 1" = 50'-0"
 VERTICAL : 1" = 10'-0"

IN CHARGE OF
 DESIGNED BY
 ESTIMATE BY

Prepared pursuant to the Highway Law, and recommended by
 ENGINEER DIST. NO. HC-7 (2/64)

FED. ROAD REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N. Y.		97	257

EUCLID-NORTH SYRACUSE, S.H.
MATTYDALE-BREWERTON, S.H. 57-6



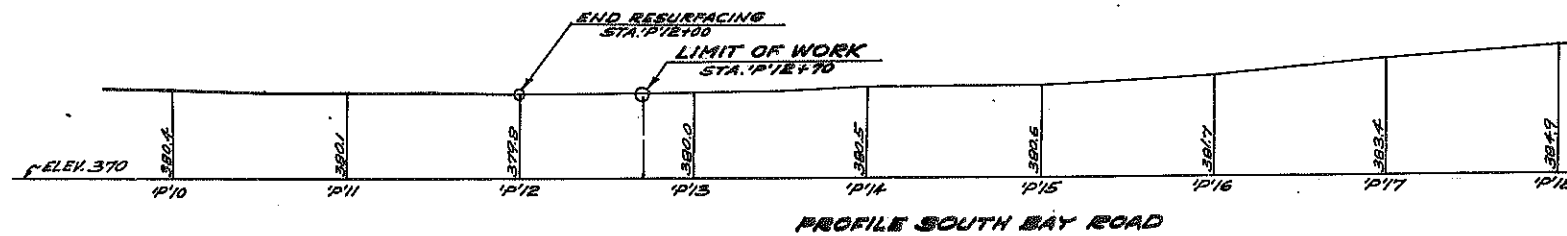
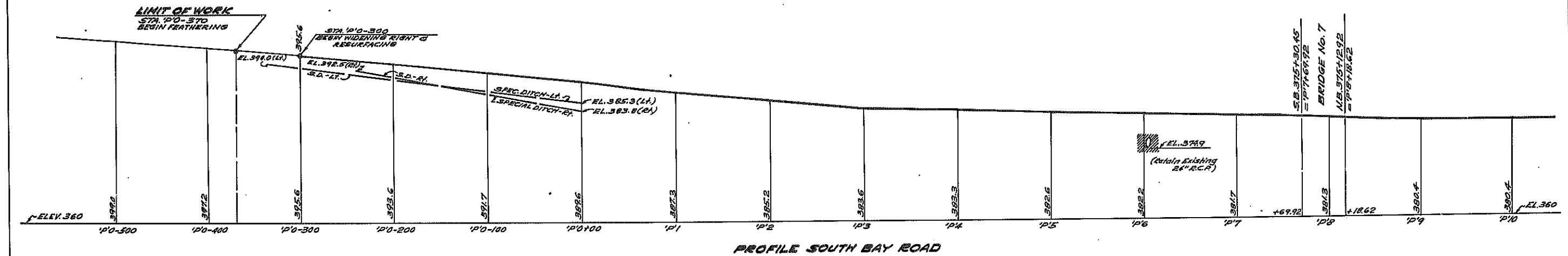
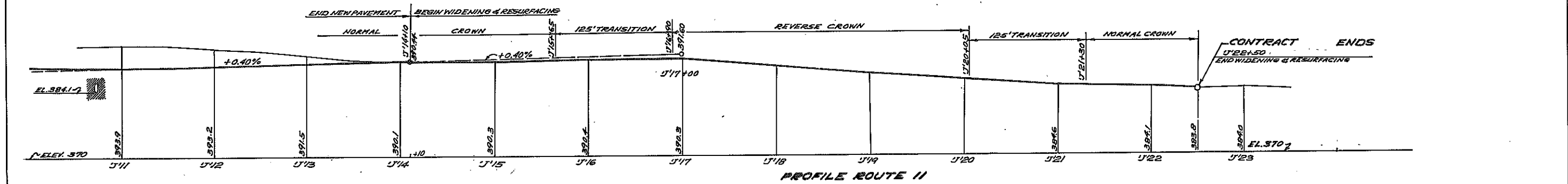
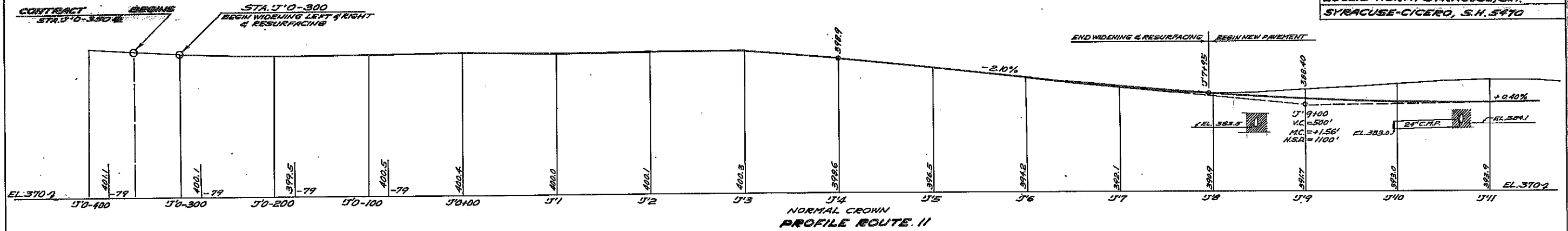
IN CHARGE OF _____
 DESIGNED BY *J. C. Hanson* v *H. Handberg*
 ESTIMATE BY *J. Paulietz* v *H. Handberg*
 TRACED BY _____

SCALE:
 1" = 50' HORIZONTAL
 1" = 10' VERTICAL

Prepared pursuant to the Highway Law, and recommended by _____
 ENGINEER DIST. NO. _____
 19 _____

FED. ROAD REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		98	257

EUCLID-NORTH SYRACUSE, S.H.
SYRACUSE-CICERO, S.H. 5470

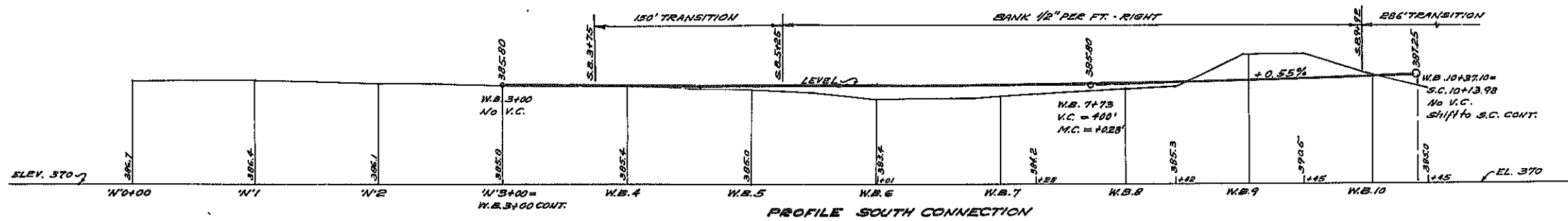
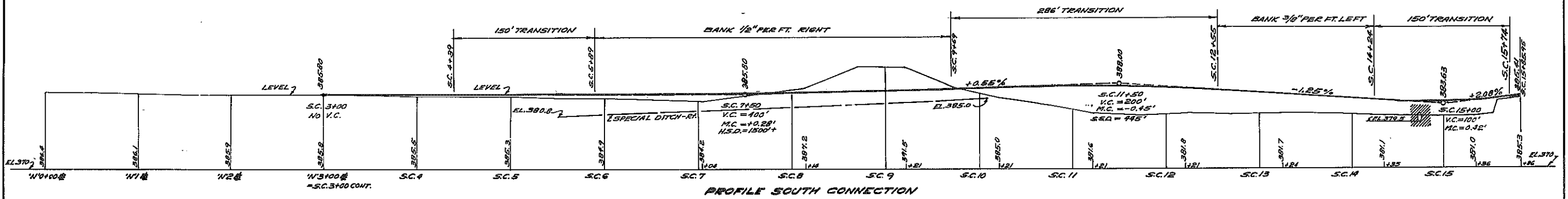
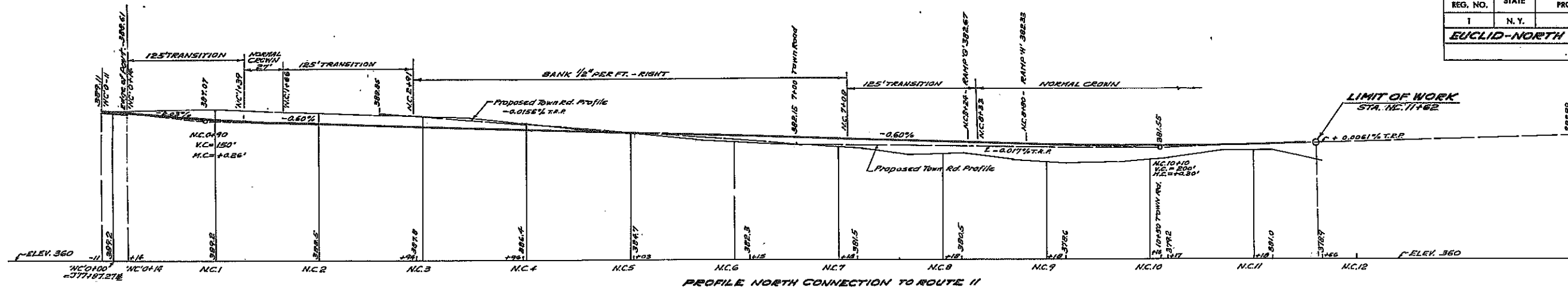


MADE BY *John C. [Signature]*
 CHECKED BY *K. Greenbaum*
 TRACED BY *L. [Signature]*
 CHECKED BY *John C. [Signature]*

PROFILE SOUTH BAY ROAD

SCALE OF PROFILES:
 HORIZONTAL: 1" = 80'-0"
 VERTICAL: 1" = 10'-0"

FED. ROAD REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N. Y.		99	257
EUCLID-NORTH SYRACUSE, S.H.				



IN CHARGE OF
 DESIGNED BY *J. E. ...*
 ESTIMATE BY *J. E. ...*

SCALE OF PROFILES
 HORIZONTAL: 1" = 50'
 VERTICAL: 1" = 10'

Prepared pursuant to the Highway Law, and recommended
 by _____
 ENGINEER DIST. NO. _____

SIGN TEXT DATA SHEET

SEE FIELD CHANGE 100FI

FED. ROAD REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		100R	257

PHOENIX-SYRACUSE, S.H. 5274
 EUCLID-NORTH SYRACUSE, S.H.
 HATTYDALE-BREWERTON, S.H. 57-G
 SYRACUSE-CICERO, S.H. 5470

TRAFFIC SIGNS

ITEM NO.	LOCATION NO.	TEXT NO.	TEXT	LETTER SIZE	AREA	SIZE OF SIGN	TRAFFIC COMMISSION NO.	COLOR		TYPE OF MOUNTING	ITEM NO.	LOCATION NO.	TEXT NO.	TEXT	LETTER SIZE	AREA	SIZE OF SIGN	TRAFFIC COMMISSION NO.	COLOR		TYPE OF MOUNTING
								BACKGROUND	CHARACTERS										BACKGROUND	CHARACTERS	
470X1	7	1	← CICERO 6 BALDWINVILLE 5 →	8" CAPS 8" CAPS	39SF	11'-0" X 3'-6"	D 2	G. REFL.	W (SILVER) D TYPE IV	477A (2)	470X14	66	14	US II N Syracuse EXIT MILE	16" CAPS 16" UC, 12" LC 15" NO., 10" CAPS	124SF	15'-6" X 8'-0"	D 4	G. REFL.	W (SILVER) D TYPE 1 OR 2	477D (2)
470X2	17	2	↑ CICERO 6 FULTON 14 N SYRACUSE 7 →	8" CAPS 8" CAPS 8" CAPS	50SF	10'-0" X 5'-0"	D 3				473-9B	135A	112		SEE TRAFFIC COMMISSION MANUAL	7SF	30 X 30"	W 58	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.
470X3	15	3	↑ BALDWINVILLE 5 ← N SYRACUSE 7	8" CAPS 8" CAPS	37SF	10'-6" X 3'-6"	D 2				470X17	143 C	17	US II N Syracuse EXIT 1/2 MILE	16" CAPS, 16" UC, 12" LC 10" CAPS, 15" FS	120SF	15'-0" X 8'-0"	D 4	G. REFL.	W (SILVER) D TYPE 1 OR 2	477C (2)
470X4	30	4	↑ BALDWINVILLE 5 N SYRACUSE 7 FULTON 14 →	8" CAPS 8" CAPS 8" CAPS	53SF	10'-6" X 5'-0"	D 3				471A4A	143	18	US II N Syracuse EXIT 1/2 MILE	16" CAPS 16" UC, 12" LC 10" CAPS, 15" FS	140SF	15'-6" X 9'-0"	D 6A			O.H.
470X5	23	5	↑ CICERO 6 ← FULTON 14	8" CAPS 8" CAPS	27SF	7'-6" X 3'-6"	D 2			GR. MTD.	471A1B	117	18	US II N Syracuse	16" CAPS 16" UC, 12" LC	140SF	15'-6" X 9'-0"	D 6A			O.H.
470X6	42	6	← BALDWINVILLE 5 CICERO 6 →	8" CAPS 8" CAPS	39SF	11'-0" X 3'-6"	D 2			477A (2)	470X25	71A	19		36" SHIELD 16" UC, 12" LC 16" UC, 12" LC 10" CAPS, 15" FS.	192SF	16'-0" X 12'-0"	D 6A			477D (2)
470X7	80	7	← N SYRACUSE CICERO →	8" CAPS 8" CAPS	32SF	9'-0" X 3'-6"	D 2				471A1A	117	20		16" UC, 12" LC 16" UC, 12" LC 10" CAPS, 15" FS.	192SF	16'-0" X 12'-0"	D 6A			O.H.
470X8	119	8	SYRACUSE CICERO → ← TO SO BAY RD	8" CAPS 8" CAPS 8" CAPS	50SF	10'-0" X 5'-0"	D 3				471A2A	99	21	NY 57 NORTH Fulton ↓ ↓	16" CAPS, 12" CAPS 16" UC, 12" LC	146SF	17'-0" X 8'-6"	D 6A			477D (2)
470X9	105A	9	← SOUTH BAY RD →	8" CAPS	23SF	11'-6" X 2'-0"	D 18				471A3A	104	22		36" SHIELD 12" CAPS 16" UC, 12" LC 10" CAPS, 15" FS.	150SF	15'-0" X 10'-0"	D 6A			O.H.
470X10	56	10	N Syracuse 6 Syracuse 10	13.33" UC, 10" LC 13.33" UC, 10" LC	91SF	16'-6" X 5'-6"	D 10C			W (SILVER) D TYPE I OR II	471A3B	104	23		36" SHIELD 12" CAPS 16" UC, 12" LC 10" CAPS, 15" FS.	125SF	12'-6" X 10'-0"	D 6A			CSM
470X11	68	11	Phoenix 11 Fulton 19	13.33" UC, 10" LC 13.33" UC, 10" LC	69SF	12'-6" X 5'-6"	D 10C				471A8A STR 474-2	106	24	NY 57 NORTH N Syracuse	16" CAPS, 12" CAPS 16" UC, 12" LC	132SF	16'-6" X 8'-0"	D 5			477D (2)
470X12	45	12	NY 31 Cicero Baldwinsville ↑	16" CAPS 16" UC, 12" LC 16" UC, 12" LC	179SF	17'-0" X 10'-6"	D 5				471A6B	144	24		16" CAPS, 12" CAPS 16" UC, 12" LC	179SF	17'-0" X 10'-6"	D 6A			O.H.
470X13	57	13	NY 31 Cicero Baldwinsville EXIT MILE	16" CAPS 16" UC, 12" LC 16" UC, 12" LC 15" NO., 10" CAPS	170SF	17'-0" X 10'-0"	D 4				471A5A	141	24		36" SHIELD 12" CAPS 16" UC, 12" LC	179SF	17'-0" X 10'-6"	D 6A			

NOTES:
 1. Letters, numerals, symbols and borders or any parts of these shall hereafter be referred to as "characters."

LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
W	White or Silver	Caps	Capital Letters
G	Green	U.C.	Upper Case Letters
Y	Yellow	L.C.	Lower Case Letters
B	Black	D	Dismountable Type Characters
Bl	Blue	N.D.	Non Dismountable Characters
R	Red		
Refl.	Reflectorized		
Non Refl.	Non Reflectorized		
		Gr.Mtd.	Ground Mounted
		O.H.	Overhead Mounted
		C.S.M.	Center Mounted Single Mast Arm
		C.D.M.	Center Mounted Double Mast Arm
		F.S.	Fraction Square
		S.P.	Single Post
		D.P.	Double Post
		I	Approx Location of Sign
		⊕	Location Text

IN CHARGE OF _____
 DESIGNED BY *P. [Signature]* & *A. [Signature]*
 ESTIMATE BY _____
 TRACED BY *P. [Signature]* & *A. [Signature]*

Prepared pursuant to the Highway Law, and recommended by _____ ENGINEER DIST. NO. _____
 19 _____ HC-42 (2/64)

SIGN TEXT DATA SHEET

FIELD CHANGE

SHEET 100FI VOIDS PART OF ORIGINAL SHEET 100

SEE SHEET NO. 15F1 FOR APPROVAL SIGNATURE

FED. ROAD PEG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		100FI	257

PHOENIX-SYRACUSE, S.H. 527A
EUCLID-NORTH SYRACUSE, S.H.
MATTYDALE-BREWERTON, S.H. 57-G
SYRACUSE-CICERO, S.H. 5870

TRAFFIC SIGNS

30 MARCH 1970 DATE
ASS'T. REGIONAL DIRECTOR OF TRANSPORTATION REGION NO. 3

ITEM NO.	LOCATION NO.	TEXT NO.	TEXT	LETTER SIZE	AREA	SIZE OF SIGN	TRAFFIC COMMISSION NO.	COLOR		TYPE OF MOUNTING	ITEM NO.	LOCATION NO.	TEXT NO.	TEXT	LETTER SIZE	AREA	SIZE OF SIGN	TRAFFIC COMMISSION NO.	COLOR		TYPE OF MOUNTING
								BACKGROUND	CHARACTERS										BACKGROUND	CHARACTERS	
470X1	7	1	← CICERO 6	8" CAPS	39SF	11'-0" X 3'-6"	D 2	G. REFL.	W (SILVER)	477A (2)	470X14	66	14	US II	16" CAPS	124SF	15'-6" X 8'-0"	D 4	G. REFL.	W (SILVER)	477D (2)
			BALDWINVILLE 5 →	8" CAPS										N Syracuse	16" UC, 12" LC						
470X2	17	2	↑ CICERO 6	8" CAPS	50SF	10'-0" X 5'-0"	D 3	G. REFL.	W (SILVER)	477A (2)	473-9B	135A	112		SEE TRAFFIC COMMISSION MANUAL	7SF	30 X 30"	W 58	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.
			FULTON 14	8" CAPS										N SYRACUSE 7 →	8" CAPS						
470X3	15	3	↑ BALDWINVILLE 5	8" CAPS	37SF	10'-6" X 3'-6"	D 2	G. REFL.	W (SILVER)	477A (2)	470X17	143 C	17	US II	16" CAPS,	120SF	15'-0" X 8'-0"	D 4	G. REFL.	W (SILVER)	477C (2)
			← N SYRACUSE 7	8" CAPS										N Syracuse	16" UC, 12" LC						
470X4	30	4	↑ BALDWINVILLE 5	8" CAPS	53SF	10'-6" X 5'-0"	D 3	G. REFL.	W (SILVER)	477A (2)	471A4A	143	17	N Syracuse	16" UC, 12" LC	140SF	15'-6" X 9'-0"	D 6A	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.
			FULTON 14 →	8" CAPS										US II	16" CAPS						
470X5	23	5	↑ CICERO 6	8" CAPS	27SF	7'-6" X 3'-6"	D 2	G. REFL.	W (SILVER)	477A (2)	471A1B	117	18	N Syracuse	16" UC, 12" LC	140SF	15'-6" X 9'-0"	D 6A	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.
			← FULTON 14	8" CAPS										US II	16" CAPS						
470X6	42	6	← BALDWINVILLE 5	8" CAPS	39SF	11'-0" X 3'-6"	D 2	G. REFL.	W (SILVER)	477A (2)	470X25	71A	18		SEE TRAFFIC COMMISSION MANUAL	7SF	30 X 30"	W 58	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.
			CICERO 6 →	8" CAPS										(B1)	36" SHIELD						
470X7	80	7	← N SYRACUSE	8" CAPS	32SF	9'-0" X 3'-6"	D 2	G. REFL.	W (SILVER)	477A (2)	471A1A	117	19	Syracuse	16" UC, 12" LC	192SF	16'-0" X 12'-0"	D 6A	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.
			CICERO ↗	8" CAPS										Waterstown	16" UC, 12" LC						
470X8	119	8	SYRACUSE	8" CAPS	50SF	10'-0" X 5'-0"	D 3	G. REFL.	W (SILVER)	477A (2)	471A2AX	99	20	NY 481 NORTH	16" CAPS, 12" CAPS	1575SF	18'-6" X 8'-6"	D 6A	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.
			CICERO ↗	8" CAPS										Fulton	16" UC, 12" LC						
470X9	105A	9	← SOUTH BAY RD →	8" CAPS	23SF	11'-6" X 2'-0"	D 1B	G. REFL.	W (SILVER)	477A (2)	471A3A	104	21	(B1) NORTH	36" SHIELD	150SF	15'-0" X 10'-0"	D 6A	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.
			← SOUTH BAY RD →	8" CAPS										Waterstown	12" CAPS						
470X10	56	10	N Syracuse 6	13.33" UC, 10" LC	91SF	16'-6" X 5'-6"	D 10C	G. REFL.	W (SILVER)	477A (2)	471A3B	104	22	(B1) SOUTH	36" SHIELD	125SF	12'-6" X 10'-0"	D 6A	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.
			Syracuse 10	13.33" UC, 10" LC										Syracuse	12" CAPS						
470X11	68	11	Phoenix 11	13.33" UC, 10" LC	69SF	12'-6" X 5'-6"	D 10C	G. REFL.	W (SILVER)	477A (2)	471A8A	106	23	NY 481 NORTH	16" CAPS, 12" CAPS	148SF	18'-6" X 8'-0"	D 5	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.
			Fulton 19	13.33" UC, 10" LC										N Syracuse	16" UC, 12" LC						
470X12	45	12	NY 31	16" CAPS	179SF	17'-0" X 10'-6"	D 5	G. REFL.	W (SILVER)	477A (2)	470X23X	145	23	N Syracuse	16" UC, 12" LC	148SF	18'-6" X 8'-0"	D 6A	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.
			Cicero	16" UC, 12" LC																	
470X13	57	13	Baldwinsville	16" UC, 12" LC	170SF	17'-0" X 10'-0"	D 4	G. REFL.	W (SILVER)	477A (2)	471A6BX	144	24	(B1) NORTH	36" SHIELD	179SF	17'-0" X 10'-6"	D 6A	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.
			NY 31	16" CAPS										Waterstown	12" CAPS						
470X13	57	13	Cicero	16" UC, 12" LC	170SF	17'-0" X 10'-0"	D 4	G. REFL.	W (SILVER)	477A (2)	471A5A	141	24	Waterstown	16" UC, 12" LC	179SF	17'-0" X 10'-6"	D 6A	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.
			Baldwinsville	16" UC, 12" LC																	
470X13	57	13	EXIT 1 MILE	15" NO., 10" CAPS	170SF	17'-0" X 10'-0"	D 4	G. REFL.	W (SILVER)	477A (2)	471A5A	141	24		SEE TRAFFIC COMMISSION MANUAL	179SF	17'-0" X 10'-6"	D 6A	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.

NOTES: Letters, numerals, symbols and borders or any parts of these shall hereafter be referred to as "characters"

FIELD CHANGE

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
W	White or Silver	Caps.	Capital Letters	GR.MTD.	Ground Mounted
G	Green	U.C.	Upper Case Letters	O.H.	Overhead Mounted
Y	Yellow	L.C.	Lower Case Letters	C.S.M.	Conspicuously Mounted
B	Black	D	Demountable Type Characters	S.P.	Single Post
Bl	Blue	C.C.M.	Conspicuously Mounted Characters	D.P.	Double Post
R	Red	C.C.M.	Conspicuously Mounted Characters	D.P.	Double Post
Ref	Reflective	C.C.M.	Conspicuously Mounted Characters	D.P.	Double Post
Strk	Struck	C.C.M.	Conspicuously Mounted Characters	D.P.	Double Post
Strk	Struck	C.C.M.	Conspicuously Mounted Characters	D.P.	Double Post

IN CHARGE OF: _____
DESIGNED BY: R. [Signature]
ESTIMATE BY: _____
TRACED BY: R. [Signature]

Prepared pursuant to the Highway Law, and recommended by _____ ENGINEER DIST. NO. _____

FED. ROAD REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N. Y.		101 R	257

PHOENIX-SYRACUSE, S.H. 574
 EUCLID-NORTH SYRACUSE, S.H. 574
 MATTYDALE-BREWERTON, S.H. 57-6
 SYRACUSE-CICERO, S.H. 57-0
 TRAFFIC SIGNS

SIGN TEXT DATA SHEET

SEE FIELD CHANGE SHEET 101 F1

ITEM NO.	LOCATION NO.	TEXT NO.	TEXT	LETTER SIZE	AREA	SIZE OF SIGN	TRAFFIC COMMISSION NO.	COLOR		TYPE OF MOUNTING	ITEM NO.	LOCATION NO.	TEXT NO.	TEXT	LETTER SIZE	AREA	SIZE OF SIGN	TRAFFIC COMMISSION NO.	COLOR		TYPE OF MOUNTING	
								background	characters										background	characters		
471A5B	141	25	NY 57 NORTH N Syracuse Fulton 1/10 ↓ MI	16" CAPS, 12" LC 16" UC, 12" LC 16" UC, 12" LC 15" FS, 10" CAPS	182 SF	16'-6" X 11'-0"	D 6A	G. REFL.	W (SILVER) D TYPE I OR II	O.H.	473-44	20, 51	35	SOUTH 57 ←	SEE TRAFFIC COMMISSION MANUAL	9 SF	24" X 12" 24" X 24" 24" X 15"	M 22 M 2 MI3-H	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	
471A6A	144	26	81 SOUTH Syracuse ↓ ↓	36" SHIELD 12" CAPS 16" UC, 12" LC	179 SF	17'-0" X 10'-6"	D 6A				473-74	19	36	EAST NORTH SOUTH 31 57 57 ↑ ↑ →		28 SF	24" X 12" 24" X 12" 24" X 12" 24" X 24" 24" X 24" 24" X 24" 24" X 15" 24" X 15" 24" X 15"	M 19 M 21 M 22 M 2 M 2 M 2 MI3-V MI3-V MI3-H				
470X15	147	27	NY 57 NORTH N Syracuse Fulton 1 MILE	18" CAPS 20" UC, 15" LC 20" UC, 15" LC 18" NO., 12" CAPS	252 SF	21'-0" X 12'-0"	D 4			GR. MTD.	473-58	14	37	SOUTH WEST 57 31 ← ↑		17 SF	24" X 12" 24" X 12" 24" X 24" 24" X 24" 24" X 15" 24" X 15"	M 22 M 20 M 2 M 2 MI3-H MI3-V				
471A6C	144	28	EXIT 29N	12" CAPS, 18" NO. 12" CAPS	32 SF	12'-6" X 2'-6"	NONE			O.H.	473-58	22	38	NORTH EAST 57 31 ← ↑		17 SF	24" X 12" 24" X 12" 24" X 24" 24" X 24" 24" X 15" 24" X 15"	M 22 M 20 M 2 M 2 M II-L MI3-V				
471A5C	141									O.H.	473-58	14	37	SOUTH WEST 57 31 ← ↑		17 SF	24" X 12" 24" X 12" 24" X 24" 24" X 24" 24" X 15" 24" X 15"	M 22 M 20 M 2 M 2 MI3-H MI3-V				
471A7B	142									CSM												
472X1	145																					
472X3	147, 146	28-A	EXIT 29N	12" CAPS 18" NO. 12" CAPS	38 SF	15'-0" X 2'-6"	NONE			G. REFL.	473-58	8	31	EAST WEST 31 31 ← →	SEE TRAFFIC COMMISSION MANUAL	17 SF	24" X 12" 24" X 12" 24" X 24" 24" X 24" 24" X 15" 24" X 15"	M 19 M 20 M 2 M 2 MI3-H MI3-H	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	
472X2	146, 147	29	GAS - FOOD - LODGING	10" CAPS	43 SF	17'-0" X 2'-6"	D 50A	BL. REFL.			473-41	72, 78, 140A	39	11			4 SF	24" X 24"	M 1			
470X16	43	30	EXIT ↙	12" CAPS	30 SF	6'-0" X 5'-0"	D 6-1	G. REFL.		477A (2)	473-43	73	40	NORTH 11		6 SF	24" X 12" 24" X 24"	M 21 M 1				
473-58	8	31	EAST WEST 31 31 ← →	SEE TRAFFIC COMMISSION MANUAL	17 SF	24" X 12" 24" X 12" 24" X 24" 24" X 24" 24" X 15" 24" X 15"	M 19 M 20 M 2 M 2 MI3-H MI3-H	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	473-43	77, 139A	41	11	SOUTH 11		6 SF	24" X 12" 24" X 24"	M 22 M 1			
473-43	12	32	WEST 31		6 SF	24" X 12" 24" X 24"	M 20 M 2															
473-41	11, 33	33	31		4 SF	24" X 24"	M 2															
473-43	16, 31, 75, 140	34	JCT 57		7 SF	24" X 15" 24" X 24"	M 9 M 2															

Notes:
 1. Letters, numerals, symbols and border or any parts of these shall hereafter be referred to as "characters"

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
W	White or silver	CAPS	Capital letters	GR. MTD.	Ground mounted	1	APPROX. LOCATION OF SIGN
G	Green	U.C.	Upper case letters	O.H.	Overhead mounted	7	LOCATION TEXT
Y	Yellow	L.C.	Lower case letters	CSM.	Counter-silver mounted	8	FRACTION SQUARE
B	Black	D	Demountable type characters	ODM.	Double reflector mounted	S.P.	SINGLE POST
BL	Blue	N.D.	Non-demountable characters	CCM.	Counter-silver mounted	D.P.	DOUBLE POST
R	Red						
REFL.	Reflectorized						
NON-REFL.	Non-reflectorized						

IN CHARGE OF _____
 DESIGNED BY R. Deane v A. Rabinov
 ESTIMATE BY _____ v _____
 TRACED BY R. Deane v A. Rabinov

Prepared pursuant to the Highway Law, and recommended by _____ ENGINEER DIST. NO. 11-47 (1/64)

SEE SHEET NO. 15F1 FOR APPROVAL SIGNATURE

FIELD CHANGE SHEET 101F1 VOIDS PART OF ORIGINAL SHEET 101 DENOTES FIELD CHANGE DATE 30 MARCH 1970 ASST. REGIONAL DIRECTOR OF TRANSPORTATION REGION NO.3

FED. ROAD REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		101F1	257

PHOENIX-SYRACUSE, S.H. 587A
 EUCLID-NORTH SYRACUSE, S.H.
 MATTYDALE-BREWERTON, S.H. 57-G
 SYRACUSE-CICERO, S.H. 5470
 TRAFFIC SIGNS

SIGN TEXT DATA SHEET

ITEM NO.	LOCATION NO.	TEXT NO.	TEXT	LETTER SIZE	AREA	SIZE OF SIGN	TRAFFIC COMMISSION NO.	COLOR		TYPE OF MOUNTING	ITEM NO.	LOCATION NO.	TEXT NO.	TEXT	LETTER SIZE	AREA	SIZE OF SIGN	TRAFFIC COMMISSION NO.	COLOR		TYPE OF MOUNTING	
								background	characters										background	characters		
471A5BX	141	25	NY481 NORTH N Syracuse Fulton 4/10 ↓ MI	16"CAPS, 12"CAPS 16" UC, 12" LC 16" UC, 12" LC	204SF	18'-6" X 11'-0"	D 6A	G. REFL.	W (SILVER) D TYPE I OR II	O.H.	473-44X	20, 51	35	SOUTH 481 ←	SEE TRAFFIC COMMISSION MANUAL	10 SF	24" X 12" 30" X 24" 24" X 15"	M 22 M 2A M 13-H	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	
471A6A	144	26	(81) SOUTH Syracuse ↓ ↓	36" SHIELD 12" CAPS 16" UC, 12" LC	179 SF	17'-0" X 10'-6"	D 6A				473-74X	19	36	EAST NORTH SOUTH 31 481 481 ↑ ↑ →		28 SF	24" X 12" 24" X 12" 24" X 12" 24" X 24" 30" X 24" 30" X 24" 24" X 15" 24" X 15" 24" X 15"	M 19 M 21 M 22 M 2 M 2A M 2A M 13-V M 13-V M 13-H				
470X15X	147	27	NY 481 NORTH N Syracuse Fulton MILE	18" CAPS 20" UC, 15" LC 20" UC, 15" LC 18" NO., 12" CAPS	270SF	22'-6" X 12'-0"	D 4			GR. MTD.	473-58X	14	37	SOUTH WEST 481 31 ← ↑		18 SF	24" X 12" 24" X 12" 30" X 24" 24" X 24" 24" X 15" 24" X 15"	M 22 M 20 M 2A M 2 M 13-H M 13-V				
471A6C	144	28	EXIT 29N	12" CAPS, 16" NO. 12" CAPS	32 SF	12'-6" X 2'-6"	NONE			O.H.	473-41	72, 78, 140A	39			4 SF	24" X 24"	M 1				
471A5C	141									O.H.	473-43	73	40			6 SF	24" X 12" 24" X 24"	M 21 M 1				
471A7B	142									CSM	473-41	11, 33	33			4 SF	24" X 24"	M 2				
472X1	145										473-43	75, 140	34			6 SF	24" X 12" 24" X 24"	M 22 M 1				
472X3	147, 146	28-A	EXIT 29N	12" CAPS 16" NO. 12" CAPS	38 SF	15'-0" X 2'-6"	NONE				473-58X	22	38	NORTH EAST 481 31 ← ↑		18 SF	30" X 24" 24" X 24" 24" X 15" 24" X 15"	M 2A M 2 M 11-L M 13-V				
472X2	146, 147	29	GAS - FOOD - LODGING	10" CAPS	43 SF	17'-0" X 2'-6"	D 50A	BL. REFL.			473-41	72, 78, 140A	39			4 SF	24" X 24"	M 1				
470X16	43	30	EXIT ↗	12" CAPS	30 SF	6'-0" X 5'-0"	D 6-1	G. REFL.		477A (2)	473-43	73	40			6 SF	24" X 12" 24" X 24"	M 21 M 1				
473-58	8	31	EAST WEST 31 31 ← →	SEE TRAFFIC COMMISSION MANUAL	17 SF	24" X 12" 24" X 12" 24" X 24" 24" X 24" 24" X 15" 24" X 15"	M 19 M 20 M 2 M 2 M 13-H M 13-H	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	473-41	72, 78, 140A	39			4 SF	24" X 24"	M 1				
473-43	12	32	WEST 31		6 SF	24" X 12" 24" X 24"	M 20 M 2				473-43	73	40			6 SF	24" X 12" 24" X 24"	M 21 M 1				
473-41	11, 33	33	31		4 SF	24" X 24"	M 2				473-43	77, 139A	41			6 SF	24" X 12" 24" X 24"	M 22 M 1				
473-56	75, 140	34	JCT. JCT.* 481 481		8 SF	24" X 15" 24" X 15" 30" X 24" 30" X 25"	M 9 M 36 M 2A M 35A-3															

NOTES:
 1. Letters, numerals, symbols and border or any parts of these shall hereafter be referred to as "characters."
 * THESE PANELS TO BE FURNISHED & ERECTED UNDER FUTURE CONTRACT.

FIELD CHANGE

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
W	white or silver	Cap	capital letters	GR. MTD.	ground mounted	I	APPROX. LOCATION OF SIGN
G	green	U.C.	upper case letters	O.H.	overhead mounted	(I)	LOCATION TEXT
Y	yellow	L.C.	lower case letters	CSM.	cantilever mounted	(I)	LOCATION TEXT
B	black	D	DEMOUNTABLE TYPE CHARACTERS	CSM.	SINGLE MOUNT ARM	(I)	LOCATION TEXT
B1	blue	N.D.	NON-DEMOUNTABLE CHARACTERS	CSM.	DOUBLE MOUNT ARM	(I)	LOCATION TEXT
R	red			CSM.	CANTILEVER MOUNT	(I)	LOCATION TEXT
REFL.	REFLECTORIZED			CSM.	DOUBLE MOUNT ARM	(I)	LOCATION TEXT
NON-REFL.	NON-REFLECTORIZED			CSM.	CANTILEVER CENTER MOUNTED	(I)	LOCATION TEXT

























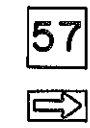













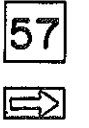


IN CHARGE OF
 DESIGNED BY: *[Signature]*
 ESTIMATE BY: *[Signature]*
 TRACED BY: *[Signature]*

Prepared pursuant to the Highway Law, and recommended by *[Signature]* ENGINEER DIST. NO. HC-47 (1/64)

SIGN TEXT DATA SHEET

SEE FIELD CHANGE SHEET 102.F1

FED. ROAD REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N. Y.		102R	257
PHOENIX-SYRACUSE, S.H. 5874 EUCLID-NORTH SYRACUSE, S.H. HATTYDALE-BREWERTON, S.H. 57-G SYRACUSE-CICERO, S.H. 5470				
TRAFFIC SIGNS				

ITEM NO.	LOCATION NO.	TEXT NO.	TEXT	LETTER SIZE	AREA	SIZE OF SIGN	TRAFFIC COMMISSION NO.	COLOR		TYPE OF MOUNTING	ITEM NO.	LOCATION NO.	TEXT NO.	TEXT	LETTER SIZE	AREA	SIZE OF SIGN	TRAFFIC COMMISSION NO.	COLOR		TYPE OF MOUNTING					
								BACKGROUND	CHARACTERS										BACKGROUND	CHARACTERS						
473-54	83	42	    	SEE TRAFFIC COMMISSION MANUAL	15 SF	24"x12"	M 21	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	473-44	81, 118 A	49	  	SEE TRAFFIC COMMISSION MANUAL	9 SF	24"x12"	M 21	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.					
						24"x24"	M 2										M 2	24"x24"				M 2				
						24"x15"	M 13-H										M 13-V	24"x15"				M 11-R				
473-44	79	43	  	SEE TRAFFIC COMMISSION MANUAL	9 SF	24" X 12"	M 22	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	473-44	86	50	  	SEE TRAFFIC COMMISSION MANUAL	9 SF	24"x12"	M 21	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.					
						24" X 24"	M 1										M 2	24"x24"				M 2				
						24" X 15"	M 13-H										M 13-V	24"x15"				M 13-H				
473-42	94	45	 	SEE TRAFFIC COMMISSION MANUAL	7 SF	24" X 24"	M 1	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	473-58	85	52	    	SEE TRAFFIC COMMISSION MANUAL	17 SF	24" X 12"	M 22	M 21	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.				
						24" X 15"	M 13-H										M 13-V	24" X 24"	M 1				M 1	24" X 24"	M 1	M 1
473-58	84	46	     	SEE TRAFFIC COMMISSION MANUAL	17 SF	24 X 12	24" X 12"	M 21	M 21	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	473-54	131	53	    	SEE TRAFFIC COMMISSION MANUAL	15 SF	24" X 12"	M 21	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.			
						24" X 24"	M 1	M 2	24" X 24"										M 1	M 2				24" X 24"	M 1	M 2
						24" X 15"	M 13-V	M 13-H	24" X 15"										M 13-V	M 11-R						
473T30	9,13,25,28	III	 AVM ENO BACK TO BACK  ONE WAY 	SEE TRAFFIC COMMISSION MANUAL	24 SF	36" X 48"	NONE	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	473-58	105	54	     	SEE TRAFFIC COMMISSION MANUAL	15 SF	24" X 24"	M 1	M 2	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.				
						36" X 48"	NONE										24 X 15	M 13-V	M 11-R				24 X 15	M 13-V	M 11-R	

NOTES:
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LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
W	White or Silver	Gr.Mtd.	Ground Mounted
G	Green	O.H.	Overhead Mounted
Y	Yellow	C.S.M.	Center Mounted Single Mast Arm
B	Black	C.D.M.	Center Mounted Double Mast Arm
Bl.	Blue	C.C.M.	Center Mounted
R	Red	N.D.	Non-Demountable Characters
Ref.	Reflectorized		
NonRef.	Non-Reflectorized		
		I	Approx. Location of Sign
		(T)	Location Text
		F.S.	Fraction Square
		S.P.	Single Post
		D.P.	Double Post

IN CHARGE OF _____
 DESIGNED BY R. Amanna v Q. Rainbow
 ESTIMATE BY _____
 TRACED BY R. Amanna v Q. Rainbow

Prepared pursuant to the Highway Law, and recommended by _____
 ENGINEER DIST. NO. _____
 HC-47 (2/64)

SIGN TEXT DATA SHEET

FIELD CHANGE
SHEET 102FI VOIDS PART OF
ORIGINAL SHEET 102
DENOTES FIELD CHANGE
DATE 30 MARCH 1970
ASST. REGIONAL DIRECTOR OF
TRANSPORTATION
REGION NO. 3

FED. ROAD REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N. Y.		102FI	257

PHOENIX-SYRACUSE, S.H. 527A
EUGLID-NORTH SYRACUSE, S.H.
MATTYDALE-BREWERTON, S.H. 57-C
SYRACUSE-CIGERO, S.H. 57D
TRAFFIC SIGNS

ITEM NO.	LOCATION NO.	TEXT NO.	TEXT	LETTER SIZE	AREA	SIZE OF SIGN	TRAFFIC COMMISSION NO.	COLOR		TYPE OF MOUNTING	ITEM NO.	LOCATION NO.	TEXT NO.	TEXT	LETTER SIZE	AREA	SIZE OF SIGN	TRAFFIC COMMISSION NO.	COLOR		TYPE OF MOUNTING
								BACKGROUND	CHARACTERS										BACKGROUND	CHARACTERS	
473-54X	83	42	NORTH 481 ← ↑	SEE TRAFFIC COMMISSION MANUAL	16 SF	24"X12" 30"X24" 24"X24" 24"X15" 24"X15"	M 21 M 2 A M 1 M 13-H M 13-V	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	473-44X	81, 118 A	49	NORTH 481 ↻	SEE TRAFFIC COMMISSION MANUAL	10 SF	24"X12" 30"X24" 24"X15"	M 21 M 2 A M 11-R	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.
473-44	79	43	SOUTH ↑ ←	SEE TRAFFIC COMMISSION MANUAL	9 SF	24" X 12" 24"X 24" 24"X 15"	M 22 M 1 M 13-H	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	473-44X	86	50	NORTH 481 →	SEE TRAFFIC COMMISSION MANUAL	10 SF	24"X12" 30"X24" 24"X15"	M 21 M 2 A M 13-H	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.
473-42	94	45	↑ ←	SEE TRAFFIC COMMISSION MANUAL	7 SF	24"X24" 24"X15"	M 1 M 13-H	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	473-43	16, 31	44	JCT 481	SEE TRAFFIC COMMISSION MANUAL	8 SF	24"X15" 30"X24"	M 9 M 2A	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.
473-58X	84	46	NORTH NORTH ↑ 481 ← →	SEE TRAFFIC COMMISSION MANUAL	18 SF	24" X 12" 24"X12" 24"X24" 30"X24" 24"X15" 24"X15"	M 21 M 21 M 1 M 2 A M 13-V M 13-H	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	473-58	85	52	SOUTH NORTH ↑ ↑ ↻ ↻	SEE TRAFFIC COMMISSION MANUAL	17 SF	24"X12" 24"X12" 24"X24" 24"X24" 24"X15" 24"X15"	M 22 M 21 M 1 M 1 M 11-L M 14-R	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.
473T 51	9, 13, 25, 28	111	ONE WAY → BACK TO BACK ONE WAY →	6"CAPS 6"CAPS	20 SF	60" X 24" 60" X 24"	NONE NONE	NON-REFL. NON-REFL. W.REFL. ARROW	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	473-54X	131	53	↑ 481 ← ↻	SEE TRAFFIC COMMISSION MANUAL	16 SF	24"X24" 30"X24" 24"X15" 24"X15"	M 1 M 2A M 13-V M 11-R	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.
473-74	105	54	TO TO TO 81 481 481 → ↻ →	SEE TRAFFIC COMMISSION MANUAL	17 SF	18"X12" 18"X12" 18"X12" 24"X24" 30"X24" 30"X24" 24"X15" 24"X15" 24"X15"	M 31 M 31 M 31 M 35A-2 M 35A-3 M 2A M 43-H M 43-H M 13-H	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.					SEE TRAFFIC COMMISSION MANUAL				SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.

NOTES:
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* THESE PANELS TO BE FURNISHED AND ERECTED UNDER FUTURE CONTRACT

FIELD CHANGE

LEGEND					
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
W	White or Silver	Caps.	Capital Letters	Gr.Mtd.	Ground Mounted
G	Green	U.C.	Upper Case Letters	O.H.	Overhead Mounted
Y	Yellow	L.C.	Lower Case Letters	C.S.M.	Can'tever Mounted Single Mast Arm
B	Black	D	Demountable Type Characters	C.D.M.	Can'tever Mounted Double Mast Arm
B.	Blue	Ref.	Reflectorized	S.P.	Single Post
R	Red	NonRef.	Non Reflectorized	D.P.	Double Post
		N.D.	Non Demountable Characters		

IN CHARGE OF: R. Casanova Ch. Lindner
DESIGNED BY: R. Casanova Ch. Lindner
ESTIMATE BY: R. Casanova Ch. Lindner
TRACED BY: R. Casanova Ch. Lindner

Prepared pursuant to the Highway Law, and recommended by _____
19 _____ ENGINEER DIST. 110, HC-47 (12/64)

SIGN TEXT DATA SHEET

FIELD CHANGE SHEET

FOR CONTRACT NO. S.H. 69-5, RC 69-102
 PROJECT IDENTIFICATION NO. 3055.00
 FIELD CHANGE SHEET 102F2 VOIDS ALL
 OF FIELD CHANGE SHEET 102 F1
 DENOTES ADDITION OF SIGNS,
 TEXT NOS. III, 118, LOCATIONS 151, 160

SEE SHEET NO 15F2
 FOR APPROVAL SIGNATURE

FED. ROAD REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N. Y.		102F2	257
PHOENIX-SYRACUSE, S.H. 5274 EUCLID-NORTH SYRACUSE, S.H. HATTYDALE-BREWERTON, S.H. 57-C SYRACUSE-CICERO, S.H. 5470 TRAFFIC SIGNS				

ITEM NO.	LOCATION NO.	TEXT NO.	TEXT	LETTER SIZE	AREA	SIZE OF SIGN	TRAFFIC COMMISSION NO.		COLOR		TYPE OF MOUNTING
									BACKGROUND	CHARACTERS	
473-54X	83	42	NORTH 481 	SEE TRAFFIC COMMISSION MANUAL	16 SF	24" X 12" 30" X 24" 24" X 15"	M 21 M 2 A MI M 13-H M 13-V	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	
473-44	79	43	SOUTH 	SEE TRAFFIC COMMISSION MANUAL	9 SF	24" X 12" 24" X 24" 24" X 15"	M 22 M M 13-H	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	
473-3	160	118	LEFT LANE MUST TURN LEFT	SEE TRAFFIC COMMISSION MANUAL	6 SF	30" X 30"	R 28-L	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	
473-42	94	45		SEE TRAFFIC COMMISSION MANUAL	7 SF	24" X 24" 24" X 15"	M 1 M 13-H	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	
473-58X	84	46	NORTH NORTH 481 	SEE TRAFFIC COMMISSION MANUAL	18 SF	4" X 12" 24" X 12" 24" X 24" 30" X 24" 24" X 15" 24" X 15"	M 21 M 21 M 1 M 2 A M 14-V M 13-H	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	
473T 51	9,13,25,28,151	111	ONE WAY BACK TO BACK ONE WAY	6" CAPS 6" CAPS	20 SF	60" X 24" 60" X 24"	NONE NONE	B NON-REFL. B NON-REFL. W.REFL. ARROW	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	
473-44X	81,118 A	49	NORTH 481 	SEE TRAFFIC COMMISSION MANUAL	10 SF	24" X 12" 30" X 24" 24" X 15"	M 21 M 2 A M 11-R	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	
473-44X	86	50	NORTH 481 	SEE TRAFFIC COMMISSION MANUAL	10 SF	24" X 12" 30" X 24" 24" X 15"	M 21 M 2 A M 13-H	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	
473-43	16,31	44	JCT 481	SEE TRAFFIC COMMISSION MANUAL	8 SF	24" X 15" 30" X 24"	M 9 M 2 A	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	
473-58	85	52	SOUTH NORTH 	SEE TRAFFIC COMMISSION MANUAL	17 SF	24" X 12" 24" X 12" 24" X 24" 24" X 24" 24" X 15" 24" X 15"	M 22 M 21 M 1 M 1 M 11-L M 14-R	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	
473-54X	131	53	NORTH 481 	SEE TRAFFIC COMMISSION MANUAL	16 SF	24" X 12" 24" X 12" 24" X 24" 30" X 24" 24" X 15" 24" X 15"	M 1 M 2 A M 13-V M 11-R	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	
473-74	105	54	* TO TO TO 81 481 481 	SEE TRAFFIC COMMISSION MANUAL	17 SF	18" X 12" 18" X 12" 18" X 12" 24" X 24" 30" X 25" 30" X 24" 24" X 15" 24" X 15" 24" X 15"	M 31 M 31 M 31 M 35A-2 M 35A-3 M 2A M 43-H M 43-H M 13-H	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	

NOTES -
 Letters, numerals, symbols and borders or any parts of these shall hereafter be referred to as "characters"

* THESE PANELS TO BE FURNISHED AND ERECTED UNDER FUTURE CONTRACT

FIELD CHANGE

SYMBOL		DESCRIPTION		SYMBOL		DESCRIPTION	
1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8

FIELD CHANGE SHEET

SEE FIELD CHANGE SHEET 15F2 FOR APPROVAL SIGNATURE

Prepared pursuant to the Highway Law, and recommended by _____

SIGN TEXT DATA SHEET

SEE FIELD CHANGE SHEET 103F1

FED. ROAD REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N. Y.		103R	257
PHOENIX-SYRACUSE, S.H. 527A EUGENIE-NORTH SYRACUSE, S.H. NATTYDALE-BREWERTON, S.H. 57-G SYRACUSE-CICERO, S.H. 517D TRAFFIC SIGNS				

ITEM NO.	LOCATION NO.	TEXT NO.	TEXT	LETTER SIZE	AREA	SIZE OF SIGN	TRAFFIC COMMISSION NO.		COLOR		TYPE OF MOUNTING	ITEM NO.	LOCATION NO.	TEXT NO.	TEXT	LETTER SIZE	AREA	SIZE OF SIGN	TRAFFIC COMMISSION NO.		COLOR		TYPE OF MOUNTING
							M 1	M 35A-2	BACKGROUND	CHARACTERS									M 1	M 31	BACKGROUND	CHARACTERS	
473-75V	139	55		SEE TRAFFIC COMMISSION MANUAL	23 SF	18"X12"	M 31	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR MTD.	473-58	107A	59		SEE TRAFFIC COMMISSION MANUAL	16 SF	18"X12"	M 31	M 31	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR MTD.	
						24"X24"	M 1	M 35A-2										24"X24"	M 35A-2	M 2			
						24"X15"	M13-V	M 13-H									24"X24"	M 2					
						24"X12"	M 21										24"X15"	M13-H	M13-H				
						24"X24"	M 2										24"X15"	M13-V					
473-58	128	56		SEE TRAFFIC COMMISSION MANUAL	8 SF	18"X12"	M 31				473-44	49	60		SEE TRAFFIC COMMISSION MANUAL	9 SF	24"X12"	M 22					
						24"X24"	M 35A-2										24"X24"	M 2					
						24"X15"	M13-H										24"X15"	M11-L					
473-58	133	57		SEE TRAFFIC COMMISSION MANUAL	8 SF	18"X12"	M 31				473-43	59, 62, 64, 71	61		SEE TRAFFIC COMMISSION MANUAL	6 SF	24"X12"	M 21					
						24"X24"	M 35A-2										24"X24"	M 2					
473-75V	138	58		SEE TRAFFIC COMMISSION MANUAL	25 SF	18"X12"	M 31				473-44	53	62		SEE TRAFFIC COMMISSION MANUAL	9 SF	24"X12"	M 22					
						24"X24"	M 35A-2	M 1									24"X24"	M 2					
						24"X15"	M13-V	M15									24"X15"	M13-H					
						18"X12"	M 31										24"X15"	M11-L					
						24"X12"	M 21										24"X15"	M13-H					
473-58	26	64		SEE TRAFFIC COMMISSION MANUAL	17 SF	24"X12"	M 21	M 19			473-58	24	63		SEE TRAFFIC COMMISSION MANUAL	17 SF	24"X12"	M 21	M 19				
						24"X24"	M 2	M 2									24"X24"	M 2	M 2				
						24"X15"	M13-H	M13-V									24"X15"	M13-H	M13-V				
						24"X12"	M 22	M 20									24"X15"	M11-L	M13-V				
						24"X24"	M 2	M 2									24"X15"	M11-L	M13-V				

NOTES:-
 1. Letters, numerals, symbols and borders or any parts of these shall hereafter be referred to as "characters"
 * THESE PANELS TO BE FURNISHED & ERECTED UNDER FUTURE CONTRACT.
 ** SHOP DRAWINGS REQUIRED.

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
W	White or Silver	Cap.s.	Capital Letters	Gr.Mtd.	Ground Mounted		Approx. Location of Sign
G	Green	U.C.	Upper Case Letters	O.H.	Overhead Mounted	+	Location Text
Y	Yellow	L.C.	Lower Case Letters	C.S.M.	Center Mounted	⊕	Fraction Square
B	Black	P	Permanent Type Characters	C.D.M.	Center Mounted Double Post	S.P.	Single Post
Bl.	Blue	ND	Non Dismountable Characters	C.D.M.	Center Mounted Double Post	D.P.	Double Post
R	Red						
Ref.	Reflectorized						
Non Ref.	Non Reflectorized						

IN CHARGE OF _____
 DESIGNED BY R. P. ... ✓ G. L. ...
 ESTIMATE BY _____
 TRACED BY R. P. ... ✓ G. L. ...

Prepared pursuant to the Highway Law, and recommended by _____
 ENGINEER DIST. NO. HC-47 (2/64)

SIGN TEXT DATA SHEET

FIELD CHANGE

SHEET 103 FI VOIDS PART OF ORIGINAL SHEET 103

SEE SHEET NO. 15F1 FOR APPROVAL SIGNATURE

DATE 30 MARCH 1970

ASS'T. REGIONAL DIRECTOR OF TRANSPORTATION REGION NO. 3

FED. ROAD REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N. Y.		103 FI	257
PHOENIX-SYRACUSE, S.H. 5274 EUCLID-NORTH SYRACUSE, S.H. 5274 MATTYDALE-BREWERTON, S.H. 57-6 SYRACUSE-CICERO, S.H. 5470				
TRAFFIC SIGNS				

ITEM NO.	LOCATION NO.	TEXT NO.	TEXT	LETTER SIZE	AREA	SIZE OF SIGN	TRAFFIC COMMISSION NO.	COLOR		TYPE OF MOUNTING	ITEM NO.	LOCATION NO.	TEXT NO.	TEXT	LETTER SIZE	AREA	SIZE OF SIGN	TRAFFIC COMMISSION NO.	COLOR		TYPE OF MOUNTING
								BACKGROUND	CHARACTERS										BACKGROUND	CHARACTERS	
473-75VX	139	55		SEE TRAFFIC COMMISSION MANUAL	24 SF	18"X12"	M 31	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR MTD.	473-74	107A	59		SEE TRAFFIC COMMISSION MANUAL	17 SF	18"X12" 18"X12" 18"X12"	M 31 M 31 M 31	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR MTD.
						24"X24"	M 1 M 35A-2										24"X24"	M 35A-2 M 35A-3 M 2A			
						24"X15"	M 13-V M 43-H										24"X15"	M 43-H M 43-H M 13-H			
						24"X12"	M 21 M 38										24"X15"	M 43-H M 43-H M 13-H			
						30"X24"	M 2A M 35 A-3														
473-58	128	56		SEE TRAFFIC COMMISSION MANUAL	8 SF	18"X12"	M 31 M 38			GR MTD.	473-44X	49	60		SEE TRAFFIC COMMISSION MANUAL	10 SF	24"X12"	M 22			GR MTD.
						24"X24"	M 35A-2 M 35 A-3										30"X24"	M 2A			
						24"X15"	M 43-H M 43-H										24"X15"	M 11-L			
473-58	135	57		SEE TRAFFIC COMMISSION MANUAL	8 SF	18"X12"	M 31 M 38			GR MTD.	473-44X	53	62		SEE TRAFFIC COMMISSION MANUAL	10 SF	24"X12"	M 22			GR MTD.
						24"X24"	M 35A-2 M 35 A-3										30"X24"	M 2A			
473-75VX	138	58		SEE TRAFFIC COMMISSION MANUAL	26 SF	18"X12"	M 31			GR MTD.	473-58X	24	63		SEE TRAFFIC COMMISSION MANUAL	18 SF	24"X12" 24"X12"	M 21 M 19			GR MTD.
						24"X24"	M 35A-2 M 1										30"X24" 24"X24"	M 2A M 2			
						24"X15"	M 43-V M 15										24"X15" 24"X15"	M 13-H M 13-V			
						18"X12"	M 31 M 31										24"X15"	M 13-H M 13-V			
						24"X12"	M 21 M 38														
473-58X	26	64		SEE TRAFFIC COMMISSION MANUAL	18 SF	24"X12"	M 22 M 20			GR MTD.	473-58X	26	64		SEE TRAFFIC COMMISSION MANUAL	18 SF	24"X12" 24"X12"	M 22 M 20			GR MTD.
						30"X24"	M 2A M 2										30"X24" 24"X24"	M 2A M 2			
						24"X15"	M 13-H M 13-V										24"X15" 24"X15"	M 11-L M 13-V			

NOTES: 1. Letters, numerals, symbols and borders or any parts of these shall hereafter be referred to as "characters".

FIELD CHANGE

* THESE PANELS TO BE FURNISHED & ERECTED UNDER FUTURE CONTRACT.

IN CHARGE OF: *[Signature]*
 DESIGNED BY: *[Signature]*
 ESTIMATE BY: *[Signature]*
 TRACED BY: *[Signature]*

LEGEND							
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
W	White or Silver	Cap.	Capital Letters	Gr.Mtd.	Ground Mounted	+	Approx. Location of Sign
G	Green	U.C.	Upper Case Letters	D.M.	Double Mount	⊙	Location Text
Y	Yellow	L.C.	Lower Case Letters	C.S.M.	Center Mount	⊕	Feet in Square
B	Black	D	Decorative Type Characters	C.D.M.	Center Mount Double Post	S.P.	Single Post
Bl	Blue	Non Refl.	Non Reflective Characters	C.C.M.	Center Mount Center Mounted	D.P.	Double Post
R	Red	M.D.	Mounting Device				

Prepared pursuant to the Highway Law, and recommended by _____ ENGINEER DIST. NO. 19 HC 47 (3/64)

SIGN TEXT DATA SHEET

SEE FIELD CHANGE SHEET 104-F1

FED. ROAD REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		104 R 257	

ANDENIK-SYRACUSE S.H. 5274
 EUGENIE-NORTH SYRACUSE S.H.
 MATTYDALE-BREWERTON S.H. ST-6
 SYRACUSE-CICERO S.H. 5470

TRAFFIC SIGNS

ITEM NO.	LOCATION NO.	TEXT NO.	TEXT	LETTER SIZE	AREA	SIZE OF SIGN	TRAFFIC COMMISSION NO.	COLOR		TYPE OF MOUNTING	ITEM NO.	LOCATION NO.	TEXT NO.	TEXT	LETTER SIZE	AREA	SIZE OF SIGN	TRAFFIC COMMISSION NO.	COLOR		TYPE OF MOUNTING	
								BACKGROUND	CHARACTERS										BACKGROUND	CHARACTERS		
473-44	27	65	NORTH 57 ←		9 SF	24"x12" 24"x24" 24"x15"	M 21 M 2 M13-H	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.												
473-74	29	66	WEST SOUTH NORTH 31 57 57 ↑ ↑ →		26 SF	24"x12" 24"x12" 24"x12" 24"x24" 24"x24" 24"x24" 24"x15" 24"x15" 24"x15"	M20 M22 M21 M2 M2 M2 M13-V M13-V M13-H				473-30	91, 130, 132A	73	ONE WAY ←	10" CAPS 10" CAPS	12 SF	36"x48"	NONE	W REFL.	B NON-REFL.	GR. MTD.	
473-58	39	67	WEST EAST 31 31 ← →		17 SF	24"x12" 24"x12" 24"x24" 24"x24" 24"x15" 24"x15"	M 20 M19 M2 M2 M13-H M13-H				473T30	90, 134	74	← AWA 3ND BACK TO BACK ONE WAY →	10" CAPS 10" CAPS 10" CAPS 10" CAPS	24 SF	36"x48" 36"x48"	NONE NONE				
473-43	34	68	EAST 31		6 SF	24"x12" 24"x24"	M19 M2				473-12C	4, 6, 37, 38, 88, 92, 127	75	DO NOT ENTER WRONG WAY	5" CAPS 5" CAPS 6" CAPS 6" CAPS	15 SF	36"x36" 36"x24"	NONE NONE	R REFL.	W REFL.		
473-43	47, 60, 63, 65	69	SOUTH 57		6 SF	24"x12" 24"x24"	M 22 M2				473S2	3, 40, 41, 97, 120	76	WRONG WAY GO BACK	8" CAPS 8" CAPS 8" CAPS	18 SF	48"x36" 48"x18"	NONE NONE				
473-4D	52, 74, 126, 132, 84A	70	YIELD		8 SF	48"	R 1				473-2	1, 44, 100, 118	77	EXIT XX MPH SEE NOTE 2		20 SF	48"x60"	W 52	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL		
473-1B	10, 21, 36, 93, 110, 123	71	STOP		7 SF	30"x30"	R 2				473-2	70, 55, 58, 61	78	SPEED LIMIT 65		20 SF	48"x60"	R 5B				

NOTES:-
 1. Letters, numerals, symbols and borders or any parts of these shall hereafter be referred to as "characters."
 2. XX SPEED TO BE DETERMINED BY BALL BANK TEST UPON COMPLETION OF PAVEMENT. CONTRACTOR SHOULD REQUEST THIS INFORMATION BEFORE FABRICATION OF SIGNS.

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
W	White or Silver	Caps.	Capital Letters	Gn.Mtd.	Ground Mounted	I.	Approx. Location of Sign
G	Green	U.C.	Upper Case Letters	O.H.	Overhead Mounted	⊕	Location Text
Y	Yellow	L.C.	Lower Case Letters	C.S.M.	Contilever Mounted Single Mast Arm	F.S.	Fraction Square
B	Black	D	Demountable Type Characters	C.D.M.	Contilever Mounted Double Mast Arm	S.P.	Single Post
R	Red	Ref.	Reflectorized	C.C.M.	Contilever Center Mounted	D.P.	Double Post
Ref.	Reflectorized	NonRef.	Non Reflectorized	N.P.	Non Demountable Characters		

IN CHARGE OF: _____
 DESIGNED BY: *P. ...* & *R. ...*
 ESTIMATE BY: _____
 TRACED BY: *P. ...* & *R. ...*

FIELD/CHANGE - DENOTED BY (X)
 SHEET 104 G1 SUPERSEDES FIELD
 CHANGE SHEET 104 F1 BY THE
 ADDITION OF SIGNS, LOCATION
 NOS. 21A, 45A & 50A

SEE SHEET NO. 5E2 FOR
 APPROVAL SIGNATURE

SIGN TEXT DATA SHEET

FIELD CHANGE

FED. ROAD DIST. NO.	STATE	REG. AID DIST. NO.	SECTION	POST MILE	POST POINT
1	NY			0461	237

ITEM NO.	LOCATION NO.	TEXT NO.	TEXT	LETTER SIZE	AREA	SIZE OF SIGN	TRAFFIC COMMISSION NO.	COLOR		TYPE OF MOUNTING	ITEM NO.	LOCATION NO.	TEXT NO.	TEXT	LETTER SIZE	AREA	SIZE OF SIGN	TRAFFIC COMMISSION NO.	COLOR		TYPE OF MOUNTING
								BACKGROUND	CHARACTERS										BACKGROUND	CHARACTERS	
473-44X	27	65	NORTH 481 ←	SEE TRAFFIC COMMISSION MANUAL	10 SF	24"X12" 30"X24" 24"X15"	M 21 M 2A M13-H	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	OR MTD	473M-33	45A, 50A	115	KEEP → RIGHT ◇	4" CAPS	49 SF	18" X 24" 12" X 12"	R 122B-H W180	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	OR MTD
473-74X	29	66	WEST SOUTH NORTH 31 481 481 ↑ ↑ →		28 SF	24"X12" 24"X12" 24"X12" 24"X24" 30"X24" 30"X24" 24"X15" 24"X15" 24"X15"	M20 M22 M21 M2 M2A M2A M13-V M13-V M13-H				473-51	50, 100, 125A, 125B	73	ONEWAY ←	6" CAPS	108 SF	60" X 24"	NONE	NON REFL.	NON REFL. W/ REF. ARROW	OR MTD
473-58	39	67	WEST EAST 31 31 ← →		17 SF	24"X12" 24"X12" 24"X24" 24"X24" 24"X15" 24"X15"	M 20 M19 M2 M2 M13-H M13-H				473T 51	60, 150	74	BACK TO BACK ← →	6" CAPS	20 SF	60" X 24"	NONE			
473-43	34	68	EAST 31		6 SF	24"X12" 24"X24"	M19 M2				473-180	4, 5, 17, 38, 48, 50, 107	75	DO NOT ENTER WRONG WAY	5" CAPS 5" CAPS 6" CAPS	15 SF	36" X 36" 36" X 24"	NONE	REFL.	REFL.	
473-43X	47, 60, 63, 65	69	SOUTH 481		7 SF	24"X12" 30"X24"	M22 M2A				47322	100, 101, 102, 103	76	WRONG WAY GO BACK	8" CAPS 6" CAPS 8" CAPS	18 SF	48" X 36" 48" X 18"	NONE			
473-4D	52, 74, 126, 132, 84A	70	YIELD		8 SF	48"	R 1				473-2	100, 100, 110	77	EXIT XX MPH SEE NOTE 2	SEE TRAFFIC COMMISSION MANUAL	208 SF	48" X 60"	W 52	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	
473-1B	10, 21, 30, 90, 110, 123	71	STOP		7 SF	30"X30"	R 2				473-2	75, 85, 90, 91, 100	78	SPEED LIMIT 60	SEE TRAFFIC COMMISSION MANUAL	208 SF	48" X 60"	R 50			

NOTES:
 1. Letters, numerals, symbols and borders or any parts of these shall hereafter be referred to as "characters".
 2. XX SPEED TO BE DETERMINED BY BALL BANK TEST UPON COMPLETION OF PAVEMENT. CONTRACTOR SHOULD REQUEST THIS INFORMATION BEFORE FABRICATION OF SIGNS.

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
W	White or Silver	CC	Convex Curved	CC	Convex Curved
G	Green	UC	Concave Curved	UC	Concave Curved
Y	Yellow	LC	Convex Curved	LC	Convex Curved
B	Black	D	Demarcation	D	Demarcation
Bl	Blue	CC	Convex Curved	CC	Convex Curved
R	Red	UC	Concave Curved	UC	Concave Curved
RD	Red	LC	Convex Curved	LC	Convex Curved
RD	Red	D	Demarcation	D	Demarcation
RD	Red	CC	Convex Curved	CC	Convex Curved
RD	Red	UC	Concave Curved	UC	Concave Curved
RD	Red	LC	Convex Curved	LC	Convex Curved
RD	Red	D	Demarcation	D	Demarcation

IN CHARGE OF
 DESIGNED BY *A. J. ...*
 ESTIMATE BY *A. J. ...*

Prepared Pursuant to the Highway Law, and recommended by *A. J. ...*

SIGN TEXT DATA SHEET

FIELD CHANGE SHEET

FOR CONTRACT SH 69-5, RC 69-102
 PROJECT IDENTIFICATION NO. 3035.00
 SHEET 104 G2 VOIDS ALL OF FIELD
 CHANGE SHEET 104 G1.
 □ DENOTES FIELD CHANGE. SIGNS ADDED LOCATIONS
 148, 149, 152, 153, 155, 156, 157, 159 SIGN REMOVED LOCATION 74, TEXT 70

FED. ROAD REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		104 G2	257

PHOENIX-SYRACUSE, S.H. 5874
 EUCLID-NORTH SYRACUSE, S.H.
 MATTYDALE-BRENTON, S.H. 57-6
 SYRACUSE-CICERO, S.H. 6570
TRAFFIC SIGNS

ITEM NO.	LOCATION NO.	TEXT NO.	TEXT	LETTER SIZE	AREA	SIZE OF SIGN	TRAFFIC COMMISSION NO.	COLOR		TYPE OF MOUNTING	ITEM NO.	LOCATION NO.	TEXT NO.	TEXT	LETTER SIZE	AREA	SIZE OF SIGN	TRAFFIC COMMISSION NO.	COLOR		TYPE OF MOUNTING
								BACKGROUND	CHARACTERS										BACKGROUND	CHARACTERS	
473-44x	27	65	NORTH 481 ←	SEE TRAFFIC COMMISSION MANUAL	10 SF	24"x12" 30"x24" 24"x15"	M 21 M 2 A M13-H	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	473M-33	45A, 50A, 152, 155, 156, 157	115	KEEP RIGHT →	4" CAPS	4 SF	18" X 24" 12" X 12"	R122B-H W180	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.
473-74x	29	66	WEST SOUTH NORTH 31 481 481 ↑ ↑ →	SEE TRAFFIC COMMISSION MANUAL	28 SF	24"x12" 24"x12" 24"x12" 24"x24" 30"x24" 30"x24" 24"x15" 24"x15" 24"x15"	M20 M22 M21 M2 M2A M2A M13-V M13-V M13-H	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	473-51	91, 130, 132A, 149, 21A	73	← ONE WAY	6" CAPS	10 SF	60" X 24"	NONE	B NON REFL.	B NON-REFL. W REFL. ARROW.	GR. MTD.
473-58	39	67	WEST EAST 31 31 ↘ ↗	SEE TRAFFIC COMMISSION MANUAL	17 SF	24"x12" 24"x12" 24"x24" 24"x24" 24"x15" 24"x15"	M 20 M19 M2 M2 M13-H M13-H	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	473T51	90, 134, 153	74	← ONE WAY BACK TO BACK ONE WAY →	6" CAPS 6" CAPS	20 SF	60" X 24"	NONE			GR. MTD.
473-43	34	68	EAST 31	SEE TRAFFIC COMMISSION MANUAL	6 SF	24"x12" 24"x24"	M19 M2	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	473-12C	4, 6, 37, 38, 88, 92, 127, 148, 159	75	DO NOT ENTER WRONG WAY	5" CAPS 5" CAPS 6" CAPS 6" CAPS	15 SF	36"X36" 36"X24"	NONE NONE	R REFL.	W REFL.	GR. MTD.
473-43x	47, 60, 63, 65	69	SOUTH 481	SEE TRAFFIC COMMISSION MANUAL	7 SF	24"x12" 30"x24"	M22 M2 A	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	473S2	3, 40, 41, 97, 120	76	WRONG WAY GO BACK	8" CAPS 8" CAPS 8" CAPS	18 SF	48" X 36" 48" X 18"	NONE NONE			GR. MTD.
473-4D	52, 126, 132, 84A	70	FIELD	SEE TRAFFIC COMMISSION MANUAL	8 SF	48"	R1	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	473-2	1, 44, 100, 118	77	EXIT XX MPH	SEE TRAFFIC COMMISSION MANUAL	20 SF	48" X 60"	W 52	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.
473-1B	10, 21, 36, 93, 110, 123	71	STOP	SEE TRAFFIC COMMISSION MANUAL	7 SF	30" X 30"	R2	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	473-2	70, 55, 58, 61,	78	SPEED LIMIT 65	SEE TRAFFIC COMMISSION MANUAL	20 SF	48" X 60"	R 58	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.

- NOTES
- Letters, numerals, symbols and colors of signs of these shall hereafter pertain to 15" characters
 - XX SPEED TO BE DETERMINED BY BALL BANK TEST UPON COMPLETION OF PAVEMENT. CONTRACTOR SHOULD REQUEST THIS INFORMATION BEFORE FABRICATION OF SIGNS.
 - FIELD CHANGE

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
W	White on 2" stem	Caps	Capital Letters	Gr.Mtd	Ground Mounted	I	...
G	Green	U.C.	Upper Case Letters	O.H.	Overhead Mounted	⊕	...
Y	Yellow	L.C.	Lower Case Letters	C.S.M.	Cont. Over Mounted Single Mast Arm	⊙	...
B	Black	D	Variable Type Characters	C.D.M.	Cont. Over Mounted Double Mast Arm	F.S.	...
Bl	Blue	V.	Variable Type Characters	C.C.M.	Cont. Over Mounted Center Mounted	S.P.	...
R	Red					D.P.	...
Ref.	Reflective						

FIELD CHANGE SHEET
 SEE SHEET 15F2 FOR APPROVAL SIGNATURE.

Prepared pursuant to the Highway Law and recommended by the State Engineer DIST. NO. 19 MC 47 (2/64)

SIGN TEXT DATA SHEET

SEE FIELD CHANGE SHEET 105 F1

FED. ROAD REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		105 R	257
PHOENIX-SYRACUSE, S.H. 5274 EUCLID-NORTH SYRACUSE, S.H. 57-G MATTYDALE-BRENERTON, S.H. 57-G SYRACUSE-CICERO, S.H. 5970				
TRAFFIC SIGNS				

ITEM NO.	LOCATION NO.	TEXT NO.	TEXT	LETTER SIZE	AREA	SIZE OF SIGN	TRAFFIC COMMISSION NO.	C O L O R		TYPE OF MOUNTING	ITEM NO.	LOCATION NO.	TEXT NO.	TEXT	LETTER SIZE	AREA	SIZE OF SIGN	TRAFFIC COMMISSION NO.	C O L O R		TYPE OF MOUNTING
								BACKGROUND	CHARACTERS										BACKGROUND	CHARACTERS	
473-10E	2,54,103,113, 96,143B	79	MERGING TRAFFIC	SEE TRAFFIC COMMISSION MANUAL	16 SF	48" X 48"	W 43 C	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	473-3I	87 H, 87 Q	114	NO STANDING ANY TIME	SEE TRAFFIC COMMISSION MANUAL	2 SF	12" X 18"	P-11	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.
473-9A	32,46,67,69	80	DEAD END		4 SF	24" X 24"	W140														
473-9B	50	81			7 SF	30" X 30"	W 2-R				473-75V	76	88	TO SOUTH 81 11 NORTH SOUTH* 57 57		32 SF	18" X 12" 24" X 24" 24" X 15" 24" X 12" 24" X 24"	M 31 M 35A-2 M 13-V M 13-V M 2	M 22 M 1 M 13-V M 13-V M 2		
473-3E	111	82	TWO WAY TRAFFIC AHEAD		8 SF	30" X 36"	R 53														
473M30	82,129	83	KEEP RIGHT		14 SF	36" X 48"	R 122-H														
473-3I	87, 87-I	110	NO STANDING ANY TIME		2 SF	12" X 18"	P-11				473-75V	124	89	11 81 TO NORTH SOUTH*		32 SF	24" X 12" 24" X 24" 24" X 15" 18" X 12"	M 2 M 2 M 13-V M 31	M 1 M 35A-2		
473-10C	112	85	DIVIDED HIGHWAY ENDS		9 SF	36" X 36"	W 55				473TS2	5	90	STOP AHEAD WRONG WAY GO BACK BACK TO BACK		27 SF	36" X 36" 48" X 36" 48" X 16"	W 45	NONE NONE		
473-10C	107	86	DIVIDED HIGHWAY		9 SF	36" X 36"	W 54				473-66	135, 136	91	NORTH NORTH 11 57		12 SF	24" X 12" 24" X 24" 24" X 12" 24" X 24"	M 21 M 1	M 21 M 2		

LEGEND					
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
W	White or Silver	Cap.	Capital Letters	Gr.Mtd.	Ground Mounted
G	Green	U.C.	Upper Case Letters	O.H.	Overhead Mounted
Y	Yellow	L.C.	Lower Case Letters	C.S.M.	Center Mounted Single Post Arm
B	Black	D	Demountable Type Characters	C.D.M.	Center Mounted Double Post Arm
Bl	Blue	N.D.	Non Demountable Characters	C.C.M.	Center Mounted Center Mounted
R	Red			D.P.	Double Post
Ref.	Reflective				
UnRef.	Non-reflective				

* THESE PANELS TO BE FURNISHED & ERECTED UNDER FUTURE CONTRACT.
** SHOP DRAWINGS REQUIRED.

IN CHARGE BY: *P. Quasima*
DESIGNED BY: *P. Quasima*
ESTIMATE BY: *P. Quasima*
TRACED BY: *P. Quasima*

Prepared pursuant to the Highway Law, and recommended by _____ ENGINEER DIST NO. _____

SIGN TEXT DATA SHEET

FIELD CHANGE

SHEET 105 FI VOIDS PART OF ORIGINAL SHEET 105
 SEE SHEET NO. 15FI FOR APPROVAL SIGNATURE

△ DENOTES FIELD CHANGE

30 MARCH 1970 DATE
 ASST. REGIONAL DIRECTOR OF TRANSPORTATION REGION NO. 3

FED. ROAD REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N. Y.		105 FI	257

PHOENIX-SYRACUSE, S.H. 5274
 EUCLID-NORTH-SYRACUSE, S.H. 5275
 MATTYDALE-BRENTON, S.H. 57-6
 SYRACUSE-CICERO

TRAFFIC SIGNS

ITEM NO.	LOCATION NO.	TEXT NO.	TEXT	LETTER SIZE	AREA	SIZE OF SIGN	TRAFFIC COMMISSION NO.	COLOR		TYPE OF MOUNTING	ITEM NO.	LOCATION NO.	TEXT NO.	TEXT	LETTER SIZE	AREA	SIZE OF SIGN	TRAFFIC COMMISSION NO.	COLOR		TYPE OF MOUNTING
								BACKGROUND	CHARACTERS										BACKGROUND	CHARACTERS	
473-10E	2,54,103,113,96,143B	79	MERGING TRAFFIC	SEE TRAFFIC COMMISSION MANUAL	16 SF	48" X 48"	W 43 C	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	473-31	87 H, 87 Q	114	NO STANDING ANY TIME	SEE TRAFFIC COMMISSION MANUAL	2 SF	12" X 18"	P-11	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.
473-9A	32,46,67,69	80	DEAD END		4 SF	24" X 24"	W 140				△					18" X 12"	24" X 12"	M 31	M 22		
473-9B	50	81			7 SF	30" X 30"	W 2-R				473-75V	76	88		26 SF	24" X 15"	24" X 15"	M 43-V	M 13-V		
473-3E	111	82	TWO WAY TRAFFIC AHEAD		8 SF	30" X 36"	R 53									24" X 12"	24" X 12"	M 21	M 38		
473M30	82,129	83	KEEP RIGHT		14 SF	36" X 48"	R 122-H									30" X 24"	30" X 25"	M 2A	M 35A-3		
473-31	87, 87-I	110	NO STANDING ANY TIME		2 SF	12" X 18"	P-11				473-75VX	124	89		33 SF	24" X 15"	24" X 15"	M 13-V	M 43H		
473-10C	112	85	DIVIDED HIGHWAY ENDS		9 SF	36" X 36"	W 55									18" X 12"			M 31		
473-10C	107	86	DIVIDED HIGHWAY		9 SF	36" X 36"	W 54				473TS2	5	90		27 SF	36" X 36"	48" X 16"	W 45	NONE	NONE	
																24" X 12"	24" X 12"	M 21	M 21		
											473-56X	155, 136	91		13 SF	24" X 24"	30" X 24"	M 1	M 2A		

Notes:
 1 Letters, numerals, symbols and borders or any parts of these shall hereafter be referred to as "characters."
 * THESE PANELS TO BE FURNISHED & ERECTED UNDER FUTURE CONTRACT.

△ FIELD CHANGE

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
W	White or Silver	Caps.	Capital Letters	GMd.	Ground Mounted	F	Approx. Location of Sign
G	Green	U.C.	Upper Case Letters	OH	Overhead Mounted		
Y	Yellow	L.C.	Lower Case Letters	C.S.M.	Center Mounted Single Post Arm	⊕	Location Text
B	Blue	D	Decorative Type Characters	C.D.M.	Center Mounted Double Post Arm	F.S.	Fraction Square
R	Red	N.D.	Non Decorative Characters	C.C.M.	Center Mounted	S.P.	Single Post
Ref.	Reflective					D.P.	Double Post

IN CHARGE BY
 DESIGNED BY P. Deanna
 ESTIMATE BY
 TRACED BY P. Deanna

Prepared pursuant to the Highway Law, and recommended by
 ENGINEER DIST. NO. HC-47 (3/64)

FIELD CHANGE - DENOTED BY (X) SHEET 105 G1 SUPERSEDES FIELD CHANGE SHEET 105 F1 BY THE ADDITION OF SIGNS, LOCATION NOS. 19A & 52A.

SEE SHEET NO. 5F2 FOR APPROVAL SIGNATURE

FIELD CHANGE

Table with columns: FED. ROAD REG. NO., STATE, FED. AID PROJECT NO., SHEET NO., TOTAL SHEETS. Includes project details for PHOENIX, SYRACUSE, EUCLID, NORTH SYRACUSE, HATTIESBURG, BREWARTON, SYRACUSE, GLEBO.

SIGN TEXT DATA SHEET

Main data table with columns: ITEM NO., LOCATION NO., TEXT NO., TEXT, LETTER SIZE, AREA, SIZE OF SIGN, TRAFFIC COMMISSION NO., COLOR (BACKGROUND, CHARACTERS), TYPE OF MOUNTING. Contains sign details for items 473-10E, 473-9A, 473-98, 473-3E, 473M30, 473-3I, 473-10C, 473-10C, 473-75V, 473-75VX, 473TS2, 47356X.

NOTES: 1. Others numerals, symbols and borders or any parts of these shall hereafter be referred to as "characters." THESE PANELS TO BE FURNISHED & ERECTED UNDER FUTUR CONTRACT.

LEGEND table with columns: SYMBOL, DESCRIPTION. Lists various sign symbols and their corresponding descriptions.

Prepared pursuant to the Highway Law, and recommended by ENGINEER DIST. NO. 19 (HC-47 (7/54))

SIGN TEXT DATA SHEET

FIELD CHANGE SHEET

FOR CONTRACT NO. SH 69-5, RC 69-102
 PROJECT IDENTIFICATION NO. 3035.00
 FIELD CHANGE SHEET 10562 VOIDS ALL OF
 FIELD CHANGE SHEET 10561
 SIGN ADDED AT LOCATION 150, TEXT 85

FED. RD. REG. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	N. Y.		10562	257
PHOENIX-SYRACUSE SH 5274 EUCLID-NORTH SYRACUSE SH 57-6 MATTYDALE-BREWERTON SH 57-6 SYRACUSE-CICERO, SH 5470				
TRAFFIC SIGNS				

ITEM NO.	LOCATION NO.	TEXT NO.	TEXT	LETTER SIZE	AREA (S.F.)	SIZE OF SIGN	TRAFFIC COMMISSION NO.	COLOR		TYPE OF MOUNT	ITEM NO.	LOCATION NO.	TEXT NO.	TEXT	LETTER SIZE	AREA (S.F.)	SIZE OF SIGN	TRAFFIC COMMISSION NO.	COLOR		TYPE OF MOUNT	
								BACKGROUND	CHARACTERS										BACKGROUND	CHARACTERS		
473-10E	2,54,103,113,96,143B	79	MERGING TRAFFIC	SEE TRAFFIC COMMISSION MANUAL	16SF	48" X 48"	W 43 C	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	473-31	87H, 87Q	114	NO STANDING ANY TIME	SEE TRAFFIC COMMISSION MANUAL	2SF	12" X 18"	P-11	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	
473-9A	32,46,67,69	80	DEAD END		4SF	24" X 24"	W40				473-75V	76	88	TO SOUTH 81 11 NORTH SOUTH 481 481	SEE TRAFFIC COMMISSION MANUAL	26SF	18" X 12" 24" X 24" 24" X 15" 24" X 12" 30" X 24" 24" X 15"	M 31 M 35 A-2 M 43-V M 21 M 2A M 13-H	M 22 M 1 M 13-V M 38 M 35A-3 M 43-V			
473-9B	50	81			7 SF	30" X 30"	W 2-R															
473-3E	111	82	TWO WAY TRAFFIC AHEAD		8 SF	30" X 36"	R 53															
473M30	82,129,19A,52A	83	KEEP RIGHT		14SF	36" X 48" 12" X 12" 12" X 12"	R 122-H W 180 W 180				473-75VX	124	89	NORTH SOUTH 481 481	SEE TRAFFIC COMMISSION MANUAL	33SF	24" X 15" 18" X 12"	M 13-V M 31	M 43-H M 35A-2			
473-31	87,87 I	110	NO STANDING ANY TIME		2SF	12" X 18"	P-11															
473-10C	112,150	85	DIVIDED HIGHWAY ENDS		9 SF	36" X 36"	W 55				473TS2	5	90	STOP AHEAD WRONG WAY GO BACK BACK TO BACK	SEE TRAFFIC COMMISSION MANUAL	27SF	36" X 36" 48" X 18"	W 45 NONE				
473-10C	107	86	DIVIDED HIGHWAY		9 SF	36" X 36"	W 54				47356X	135, 136	91	NORTH NORTH 11 481	SEE TRAFFIC COMMISSION MANUAL	13SF	24" X 12" 24" X 24" 30" X 24"	M 21 M 1 M 2A	M 21 M 2A			

NOTES-
 1. LETTERS, NUMERALS, SYMBOLS AND BORDERS OR ANY PARTS OF THESE SHALL HEREAFTER BE REFERRED TO AS CHARACTERS.
 * THESE PANELS TO BE FURNISHED & ERECTED UNDER FUTURE CONTRACT.

L E G E N D		L E G E N D		L E G E N D	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
W	WHITE	CAPS.	CAPITAL LETTERS	GR. MTD.	GROUND MOUNTED
G	SILVER	U.C.	UPPER CASE LETTERS	O.H.	OVERHEAD
Y	GREEN	L.C.	LOWER CASE LETTERS	C.S.M.	CANTILEVER MTD. SINGLE MAST ARM
B	YELLOW	D	DEMOUNTABLE TYPE CHARACTERS	C.D.M.	CANTILEVER MTD. DOUBLE MAST ARMS
BL.	BLACK	N.D.	NON-DEMOUNTABLE TYPE CHARACTERS	C.C.M.	CANTILEVER CENTER MOUNTED
R	BLUE				
REFL.	REFLECTORIZED				
NON-REFL.	NON-				

FIELD CHANGE SHEET

SEE SHEET 15F2 FOR APPROVAL SIGNATURE

R.K. Asanoma DESIGNER
 R. Young TRACED BY
 P.K. Wallace CHECKED BY

9/30/70 R.W.Y.

ST-

SIGN TEXT DATA SHEET

SEE FIELD CHANGE SHEET 106F1

PHOENIX-SYRACUSE, S.H. 5274
 EUCLID-NORTH SYRACUSE, S.H.
 MATTYDALE-BREWERTON, S.H. 57-6
 SYRACUSE-CICERO, S.H. 5470
TRAFFIC SIGNS

ITEM NO.	LOCATION NO.	TEXT NO.	TEXT	LETTER SIZE	AREA	SIZE OF SIGN	TRAFFIC COMMISSION NO.	COLOR		TYPE OF MOUNTING	ITEM NO.	LOCATION NO.	TEXT NO.	TEXT	LETTER SIZE	AREA	SIZE OF SIGN	TRAFFIC COMMISSION NO.	COLOR		TYPE OF MOUNTING
								BACKGROUND	CHARACTERS										BACKGROUND	CHARACTERS	
473-74V	137	51		SEE TRAFFIC COMMISSION MANUAL	26 SF	24" X 12"	M21	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	473-3C	88A, 127A,	100		SEE TRAFFIC COMMISSION MANUAL	4 SF	24" X 24"	R 133	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.
						24" X 24"	M2														
						24" X 15"	M13-H														
						24" X 12" 24" X 12"	M22 M21														
473-11	89, 125	92		SEE TRAFFIC COMMISSION MANUAL	13 SF	30" X 30"	W-2-R	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	471A7A	142	101		16" CAPS, 12" CAPS / 16" UC, 12" LC / 16" UC, 12" LC	1749F	16'-6" X 10'-6"	D5	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	CSM
						30" X 30"	W-141														
473-56V	114	94		SEE TRAFFIC COMMISSION MANUAL	13 SF	24" X 15"	M9	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	470X21	143A	102		12" CAPS / 18" CAPS, 12" CAPS	40SF	8'-0" X 5'-0"	D6-1	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	477A (2)
						24" X 24"	M2														
						24" X 15"	M9														
						24" X 24"	M2														
470X18	83 A	95		6" CAPS	11 SF	84" X 18"	D-1	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	470X22	146	103		16" CAPS / 16" CAPS, 12" CAPS / 18" NO, 12" CAPS	179SF	15'-6" X 11'-6"	D4	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	477D (2)
470X19	77A, 81A	96		6" CAPS	12 SF	90" X 18"	D-1														
470X20	95A	97		6" CAPS / 6" CAPS	14 SF	84" X 24"	D-62														
471A2B	99	98		16" CAPS	186SF	15'-6" X 12'-0"	D6A														
470X24	101			16" UC 12" LC / 16" UC 12" LC			D5														
473-31	87A, 87B, 87C, 87D, 87E, 87F, 87G, 87J, 87K, 87L, 87M, 87N, 87O, 87P,	99		SEE TRAFFIC COMMISSION MANUAL	2 SF	12" X 18"	P-11	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	473-TS2	95, 116	105		SEE TRAFFIC COMMISSION MANUAL	31 SF	30" X 30" 48" X 36" / 30" X 30" 48" X 18"	W-2-R NONE / W141 NONE	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.

Notes:-
 1. Letters, numerals, symbols and borders or any parts of these shall hereafter be referred to as "characters".
 2. XX SPEED TO BE DETERMINED BY BALL BANK TEST UPON COMPLETION OF PAVEMENT, CONTRACTOR SHOULD REQUEST THIS INFORMATION BEFORE FABRICATION OF SIGNS.

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
W	White or Silver	Caps.	Capital Letters	Gr. Mtd.	Ground Mounted	I	Approx. Location of Sign
G	Green	U.C.	Upper Case Letters	O.H.	Overhead Mounted	⊕	Location Text
Y	Yellow	L.C.	Lower Case Letters	C.E.M.	Center Mounted Single Post Arm	F.S.	Fraction Square
B	Black	D	Demountable Type Characters	C.D.M.	Center Mounted Double Post Arm	S.P.	Single Post
Bl.	Blue	N.D.	Non Demountable Characters	C.C.M.	Center Mounted	D.P.	Double Post
R.	Red						
Ref.	Reflectorized						
Non Ref.	Non Reflectorized						

MADE BY: _____
 CHECKED BY: _____
 TRACED BY: _____
 CHECKED BY: _____

Revised 2/15/60

D.P.W. S-10-60

SIGN TEXT DATA SHEET

FIELD CHANGE
SHEET 106 FI VOIDS PART OF
ORIGINAL SHEET 106

SEE SHEET NO. 15F1
FOR APPROVAL SIGNATURE

MAR. 30, 1970
DATE

ASS'T. REGIONAL DIRECTOR OF
TRANSPORTATION
REGION NO. 3

FED. RD. REG. NO.	STATE	FEDERAL A.C. NO.	SHEET NO.	TOTAL SHEETS
1	NY		106FI	257

PHOENIX-SYRACUSE, S.N. 5274
EUGLID-NORTH SYRACUSE, S.N. 5275
MATTYDALE-BREWERTON, S.N. 5276
SYRACUSE-CICERO, S.N. 5270

TRAFFIC SIGNS

ITEM NO.	LOCATION NO.	TEXT NO.	TEXT	LETTER SIZE	AREA	SIZE OF SIGN	TRAFFIC COMMISSION NO.	COLOR		TYPE OF MOUNTING	ITEM NO.	LOCATION NO.	TEXT NO.	TEXT	LETTER SIZE	AREA	SIZE OF SIGN	TRAFFIC COMMISSION NO.	COLOR		TYPE OF MOUNTING
								BACKGROUND	CHARACTERS										BACKGROUND	CHARACTERS	
473-74VX	137	51		SEE TRAFFIC COMMISSION MANUAL	27 SF	24"X12" 30"X24" 24"X15" 24"X12" 24"X12" 24"X24" 24"X24" 24"X15" 24"X15"	M21 M2A M13-H M22 M21 M1 M1 M13-H M13-H	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	473-3C	88A, 127A,	100	PEDESTRIANS BICYCLES HORSES PROHIBITED	SEE TRAFFIC COMMISSION MANUAL	4 SF	24" X 24"	R 133	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.
473-11	89,125	92		SEE NOTE 2	13 SF	30" X 30" 30" X 30"	W-2-R W-141				471A7AX	142	101	NY 481 NORTH N Syracuse Fulton	16" CAPS, 12" LC 16" UC, 12" LC 16" UC, 12" LC	194 SF	18'-6" X 10'-6"	D5			CSM
473-73	114	94		SEE TRAFFIC COMMISSION MANUAL	22 SF	24"X15" 24"X15" 24"X15" 24"X24" 30"X24" 30"X25"	M. 9 M9 M36 MI M2A M35A-3	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	470X 21	143A	102	EXIT 29 N	12" CAPS 18" CAPS, 12" CAPS	40 SF	8'-0" X 5'-0"	D6-1			477A (2)
470X18	83 A	95		8" CAPS	11 SF	84" X 18"	D-1				470X22	146	103	NY 481 N Syracuse TO 90 EAST 1 MILE	16" CAPS 16" CAPS, 12" LC 16" UC, 12" LC 15" NO. 10" CAPS	173 SF	15'-0" X 11'-6"	D4			477D (2)
470X19	77A, 81A	96		8" CAPS	12 SF	90" X 18"	D-1				473-12C	142-A, 142B	104		SEE TRAFFIC COMMISSION MANUAL	18 SF	36" X 36" 36" X 36"	W2 A-L W141 B	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.
470X20	95A	97		6" CAPS 6" CAPS	14 SF	84" X 24"	D-62				473-TS2	95, 116	105		SEE TRAFFIC COMMISSION MANUAL	31 SF	30" X 30" 48" X 36" 30" X 30" 48" X 18"	W-2-R NONE W141 NONE			
471A2B	99	98		16" CAPS 16" UC 12" LC 16" UC 12" LC	186 SF	15'-6" X 12'-0"	DGA D5	G. REFL.	W SILVER D TYPE I or 2	OH GR. MTD.	473-TI2C	121	106		SEE TRAFFIC COMMISSION MANUAL	22 SF	24" X 24" 36" X 36" 24" X 15" 36" X 24"	M1 NONE M14-R NONE			
473-31	87A, 87B, 87C, 87D, 87E, 87F, 87G, 87J, 87K, 87L, 87M, 87N, 87 O, 87P,	99		SEE TRAFFIC COMMISSION MANUAL	2 SF	12" X 18"	P-11	SEE TRAFFIC COMMISSION MANUAL	SEE TRAFFIC COMMISSION MANUAL	GR. MTD.	473-TM30	109	107		SEE TRAFFIC COMMISSION MANUAL	22 SF	30" X 36" 12" X 12" 12" X 12"	R 53 W180 W180			

NOTES:-
1. Letters, numerals, symbols and borders or any parts of these shall hereafter be referred to as "characters".
2. XX SPEED TO BE DETERMINED BY BALL BANK TEST UPON COMPLETION OF PAVEMENT, CONTRACTOR SHOULD REQUEST THIS INFORMATION BEFORE FABRICATION OF SIGNS.
* THESE PANELS TO BE FURNISHED & ERECTED UNDER FUTURE CONTRACT.

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
W	White or Silver	Caps.	Capital Letters	Gr. Mtd.	Ground Mounted	I	Approx. Location of Sign
G	Green	U.C.	Upper Case Letters	O.H.	Overhead Mounted	1	Location Text
Y	Yellow	L.C.	Lower Case Letters	C.M.	Contingent Mounted	1	Location Text
B	Black	D	Demountable Type Characters	C.D.M.	Contingent Mounted	F.S.	Function Square
Bl.	Blue	N.D.	Non Demountable Characters	C.C.M.	Contingent Center Mounted	S.P.	Single Post
R	Red					D.P.	Double Post
Ref.	ReflectORIZED						
Non Ref.	Non ReflectORIZED						

** LEGEND WILL NOT BE PUT ON SIGN - SHALL BE GIVEN TO E.I.C.
FIELD CHANGE

MADE BY CHECKED BY TRACED BY CHECKED BY
Richard Young Richard Young

SEE SHEET NO. 5F2 FOR APPROVAL SIGNATURE

FIELD CHANGE

SIGN TEXT DATA SHEET

SHEET 106F2 SUPPLEMENTS BUT DOES NOT CHANGE ANY PART OF FIELD CHANGE SHEET 106F1
NEW SIGNS ADDED AT LOCATIONS 14A & 51A

FED. RD. REG. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	N. Y.		106F2	
PHOENIX - SYRACUSE, S.H. 5274 EULID - NORTH SYRACUSE, S.H. MATDYDALE - BREWERTON, S.H. 57-6 SYRACUSE - CICERO, S.H. 5470				
TRAFFIC SIGNS				

ITEM NO.	LOCATION NO.	TEXT NO.	TEXT	LETTER SIZE	AREA (S.F.)	SIZE OF SIGN	TRAFFIC COMMISSION NO.	COLOR		TYPE OF MOUNT	ITEM NO.	LOCATION NO.	TEXT NO.	TEXT	LETTER SIZE	AREA (S.F.)	SIZE OF SIGN	TRAFFIC COMMISSION NO.	COLOR		TYPE OF MOUNT	
								BACKGROUND	CHARACTERS										BACKGROUND	CHARACTERS		
470X25	51A	116	↑ SOULE ROAD	8" CAPS	35	10'-0" X 3'-6"	D2	G REFL.	W. REFL. N.D. TYPE IX	GR MTD.												
			← NY 481 SOUTH																			
470X26	14A	117	← NY 481 SOUTH	8" CAPS	35	10'-0" X 3'-6"	↓	↓	↓	↓												
			← SOULE ROAD																			

NOTES -
1. LETTERS, NUMERALS, SYMBOLS AND BORDERS OF ANY PARTS OF THESE SHALL HEREAFTER BE REFERRED TO AS CHARACTERS.

L E T T E R S		L E G E N D	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
W	WHITE, SILVER	CAPS.	CAPITAL LETTERS
G	GREEN	U.C.	UPPER CASE LETTERS
Y	YELLOW	L.C.	LOWER CASE LETTERS
B	BLACK	D	DEMOUNTABLE TYPE CHARACTERS
BL	BLUE	N.D.	NON-DEMOUNTABLE TYPE CHARACTERS
R	RED		
REFL.	REFLECTORIZED		
NON-REFL.	NON-		
		GR. MTD.	GROUND MOUNTED OVERHEAD
		O.H.	OVERHEAD
		C.S.M.	CANTILEVER MTD. SINGLE MAST ARM
		C.D.M.	CANTILEVER MTD. DOUBLE MAST ARMS
		C.C.M.	CANTILEVER CENTER MOUNTED
		⊕	APPROX. LOCATION OF SIGN LOCATION TEXT
		F.S.	FRACTION SQUARE
		S.P.	SINGLE POST
		D.P.	DOUBLE POST

IN CHARGE OF: T. Nelson DESIGNER
 TRACED BY: R. Young
 CHECKED BY: T. Nelson




9/30/70 R.W.Y.

SIGN TEXT DATA SHEET

FIELD CHANGE SHEET

FOR CONTRACT NO. SH 69-5, RC 69-102
 PROJECT IDENTIFICATION NO. 3035.00
 FIELD CHANGE SHEET 106 F3 VOIDS ALL
 OF FIELD CHANGE SHEET 106F2
 ☐ DENOTES ADDITION OF TEXT 119,
 LOCATIONS 74 & 158.

FED. RD. REG. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	N. Y.		106F3	
PHOENIX - SYRACUSE, S.H. 5274 EUCLID - NORTH SYRACUSE, S.H. MATTYDALE - BREWERTON, S.H. 57-6 SYRACUSE - CICERO, S.H. 5470				
TRAFFIC SIGNS				

ITEM NO.	LOCATION NO.	TEXT NO.	TEXT	LETTER SIZE	AREA (S.F.)	SIZE OF SIGN	TRAFFIC COMMISSION NO.	COLOR		TYPE OF MOUNT.	ITEM NO.	LOCATION NO.	TEXT NO.	TEXT	LETTER SIZE	AREA (S.F.)	SIZE OF SIGN	TRAFFIC COMMISSION NO.	COLOR		TYPE OF MOUNT.	
								BACKGROUND	CHARACTERS										BACKGROUND	CHARACTERS		
470X25	51A	116	↑ SOULE ROAD ← NY 481 SOUTH	8" CAPS	35	10'-0" X 3'-6"	D2	G REFL.	W. REFL. NO. TYPE IX	GR MTD												
470X26	14A	117	← NY 481 SOUTH ← SOULE ROAD	8" CAPS	35	10'-0" X 3'-6"																
☐ 473T-12C (MOD)	74, 158	119	  	5" CAPS 5" CAPS 6" CAPS 6" CAPS	23	36" X 36" 48" 36" X 24"	NONE NONE	R1	R REFL. Y REFL. W REFL. B REFL.	GR. MTD												

NOTES:
 1. LETTERS, NUMERALS, SYMBOLS AND BORDERS OF ANY PARTS OF THESE SHALL HEREAFTER BE REFERRED TO AS CHARACTERS.

L E T T E R S				S Y M B O L S			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
W	WHITE, SILVER	CAPS	CAPITAL LETTERS	GR MTD	GROUND MOUNTED OVERHEAD	E	APPROX LOCATION OF SIGN
G	GREEN	U.C.	UPPER CASE LETTERS	OH	OVERHEAD	(1)	LOCATION
Y	YELLOW	L.C.	LOWER CASE LETTERS	CSM	CANTILEVER MTD SINGLE MAINT ARM	ES	FRACTION SQUARE
B	BLACK	D	DISMOUNTABLE TYPE CHARACTERS	CDM	CANTILEVER MTD DOUBLE MAINT ARM	SP	SINGLE POST
BL	BLUE	ND	NON DISMOUNTABLE TYPE CHARACTERS	CCM	CANTILEVER MTD SINGLE MAINT ARM	DP	DOUBLE POST
R	RED						
REFL	REFLECTORIZED						
NON REFL	NON-						

FIELD CHANGE SHEET
 SEE SHEET 15F2 FOR APPROVAL SIGNATURE

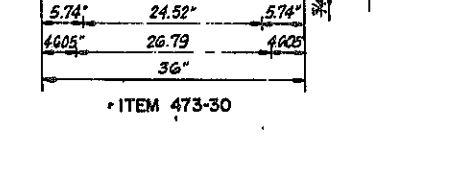
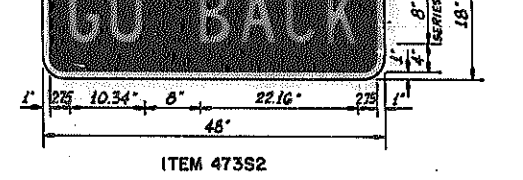
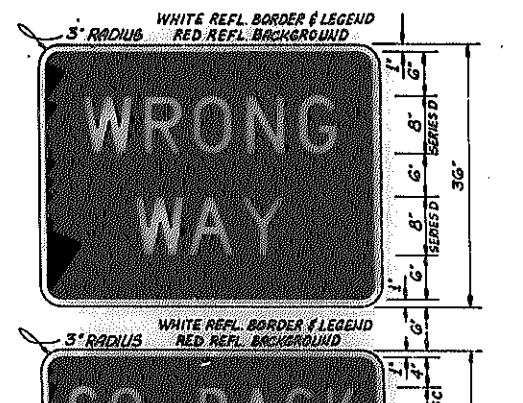
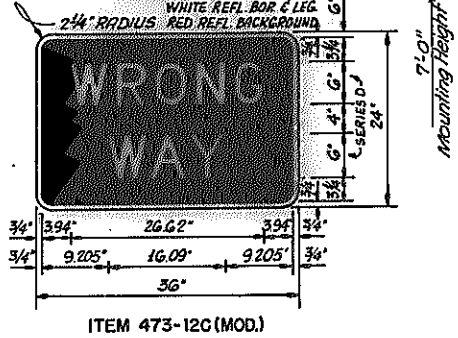
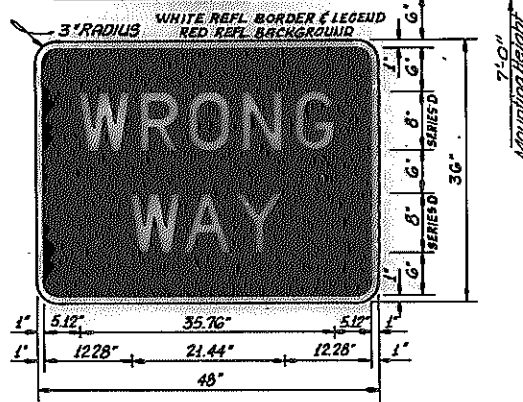
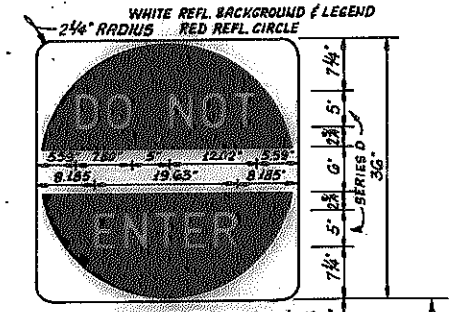
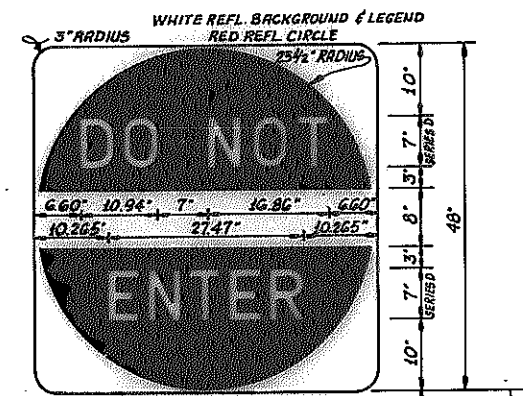
T. Wallace DESIGNER
 R. Young TRACED BY
 T. Wallace CHECKED BY

SPECIAL DETAILS

FED. RD. REG. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	N. Y.		107	257
PHOENIX - SYRACUSE, S.H. 5274				
EUCLID - NORTH SYRACUSE, S.H.				
TRAFFIC SIGNS				

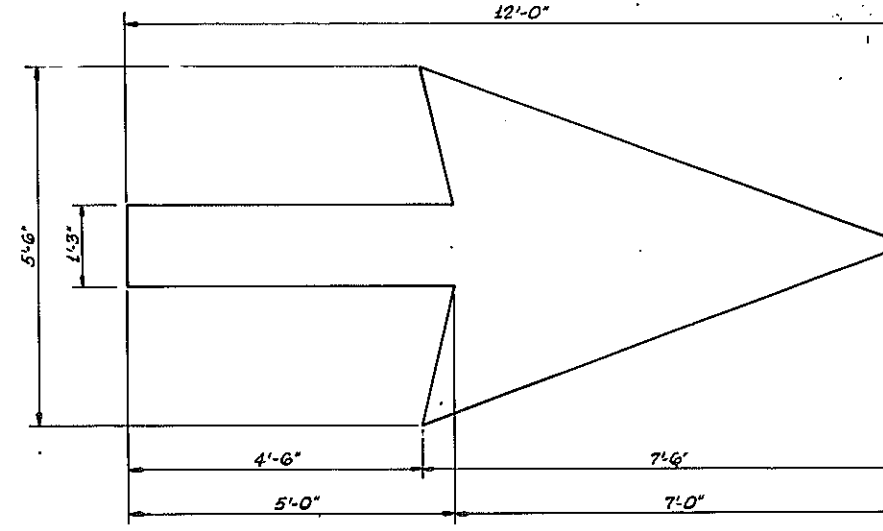
SIGN FACE DETAILS-SPECIAL REGULATORY SIGNS

SCALE: 1"=1'-0"

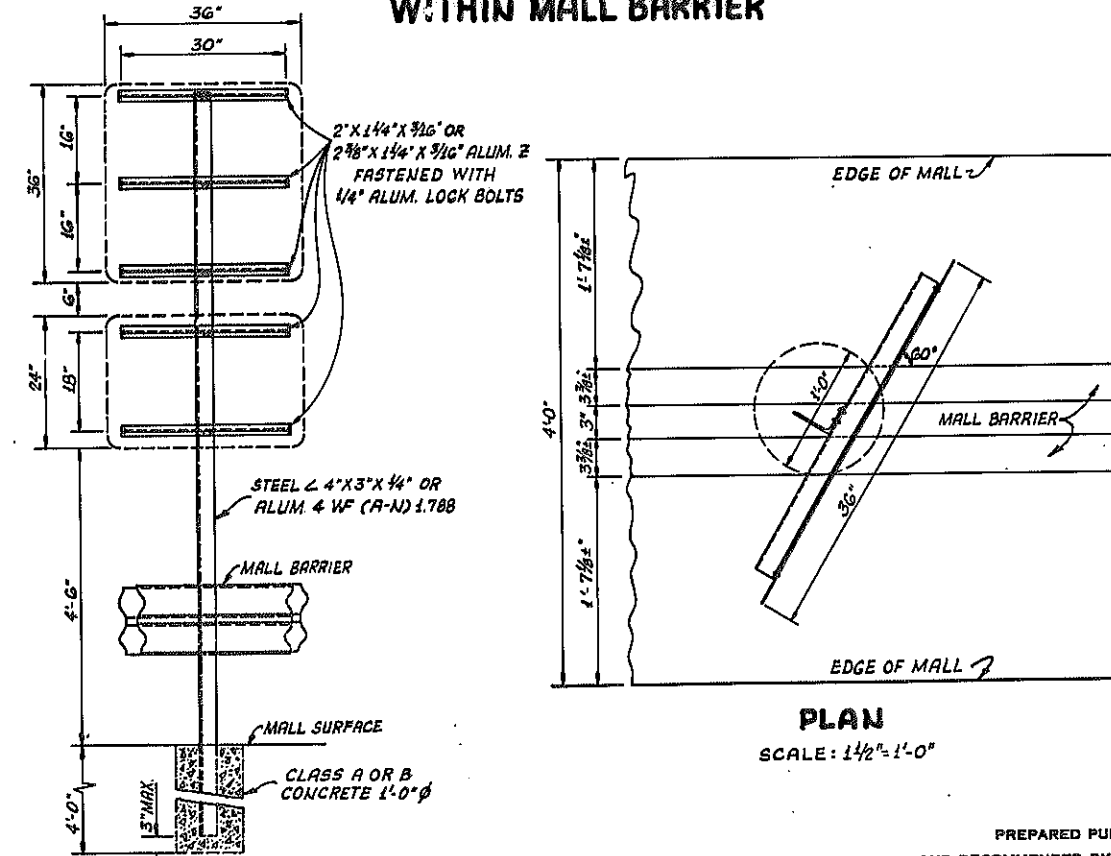


PAVEMENT ARROW

SCALE: 3/4"=1'-0"



SINGLE POST MOUNTING WITHIN MALL BARRIER



ELEVATION
SCALE: 3/4"=1'-0"

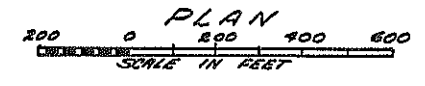
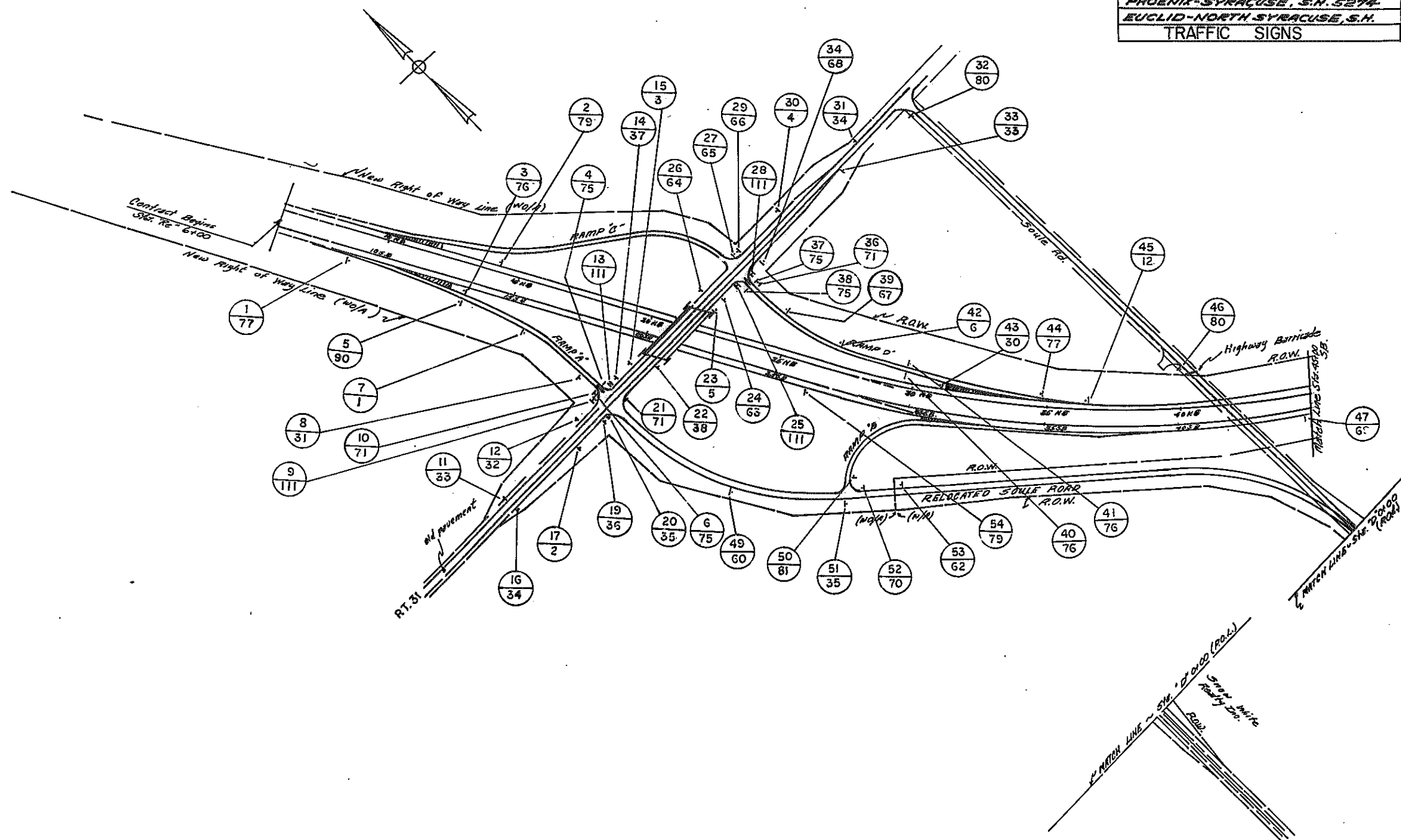
PLAN
SCALE: 1 1/2"=1'-0"

MADE BY J. WALLEN DATED 9-20-67
 CHECKED BY _____ DATED _____
 TRACED BY J. WALLEN DATED 9-28-67
 CHECKED BY _____ DATED _____

PREPARED PURSUANT TO THE HIGHWAY LAW
 AND RECOMMENDED BY _____
 DATED _____ 19____ DIST. ENGINEER, DIST. NO. _____

Fed. Aid REG. NO.	STATE	Federal Aid Project No.	Sheet No.	TOTAL SHEETS
1	N.Y.		108	257

PHOENIX-SYRACUSE, S.H. 5274
 EUCLID-NORTH SYRACUSE, S.H.
 TRAFFIC SIGNS



Made by Atkinson Checked by R. Deanna Traced by C. Reptile Checked by R. Deanna

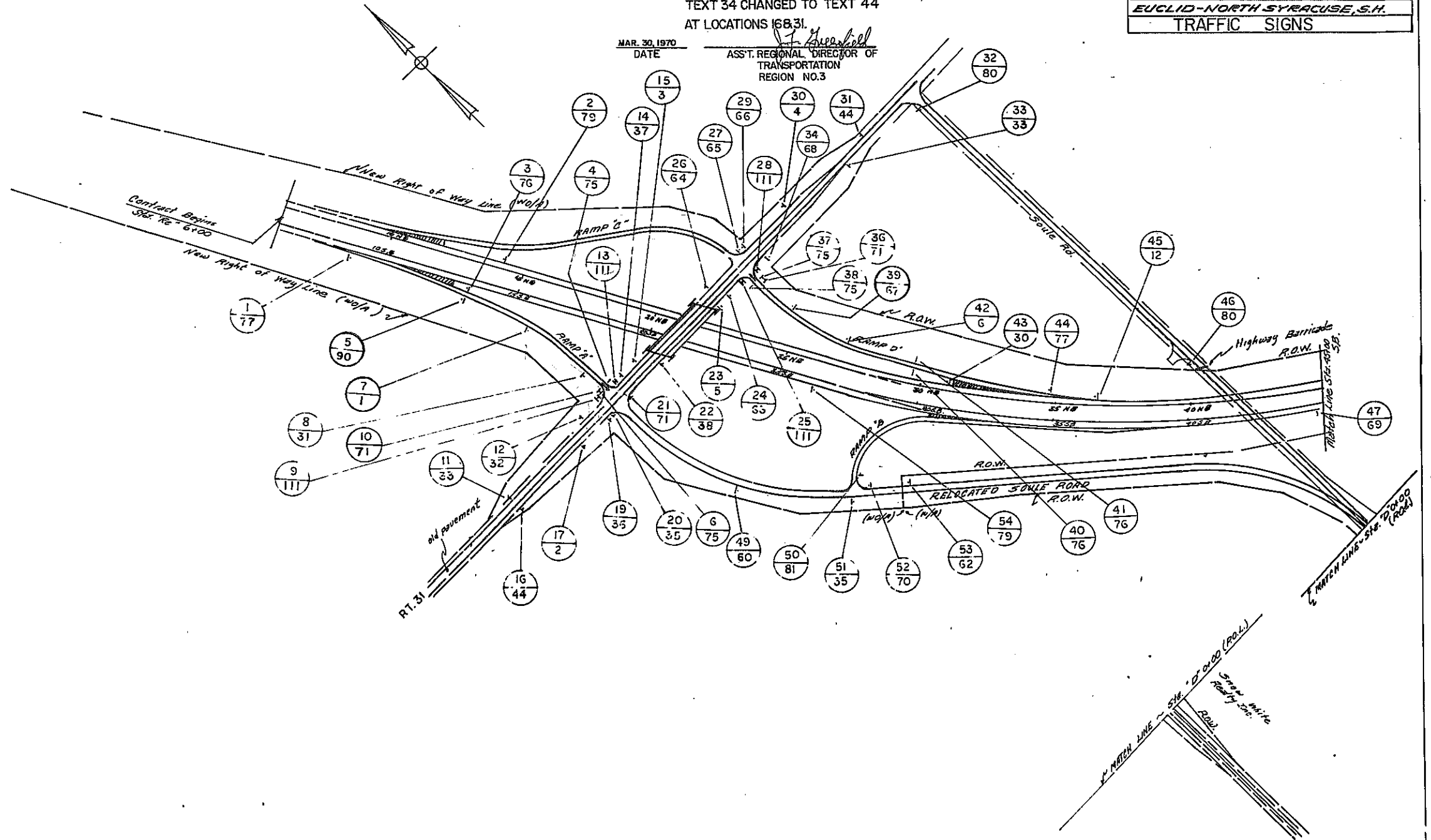
FIELD CHANGE
 SHEET 108F1 VOIDS PART OF
 ORIGINAL SHEET 108.
 TEXT 34 CHANGED TO TEXT 44
 AT LOCATIONS 168.31.

SEE SHEET NO. 15F1
 FOR APPROVAL SIGNATURE

Fed. Rd. REG NO.	STATE	Federal Aid Project No.	Sheet No	TOTAL SHEETS
1	NY		108F1	257
PHOENIX-SYRACUSE, S.H. 5274				
EUCLID-NORTH SYRACUSE, S.H.				
TRAFFIC SIGNS				

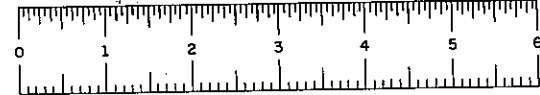
MAR. 30, 1970
 DATE

J. Greenhall
 ASST. REGIONAL DIRECTOR OF
 TRANSPORTATION
 REGION NO. 3



PLAN
 200 0 200 400 600
 SCALE IN FEET

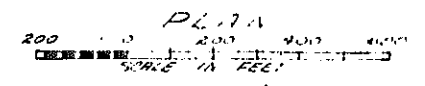
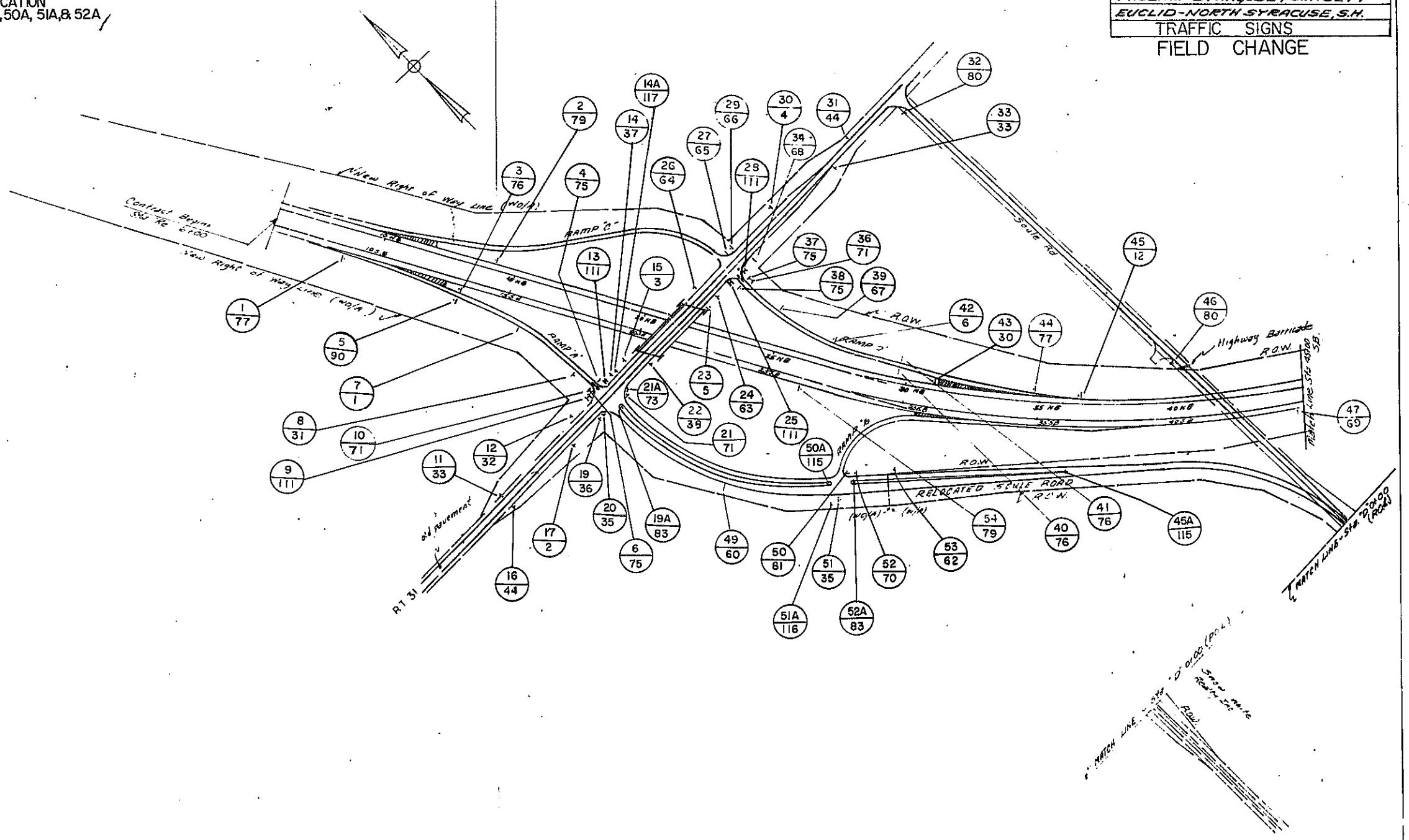
Made by Al Larkin Checked by R. Quanna Traced by C. Raptile Checked by R. Quanna



FIELD CHANGE
SHEET 108 G1 SUPERSEDES FIELD
CHANGE SHEET 108 F1 BY THE
ADDITION OF NEW SIGNS, LOCATION
NOS. 14A, 19A, 21A, 45A, 50A, 51A, & 52A

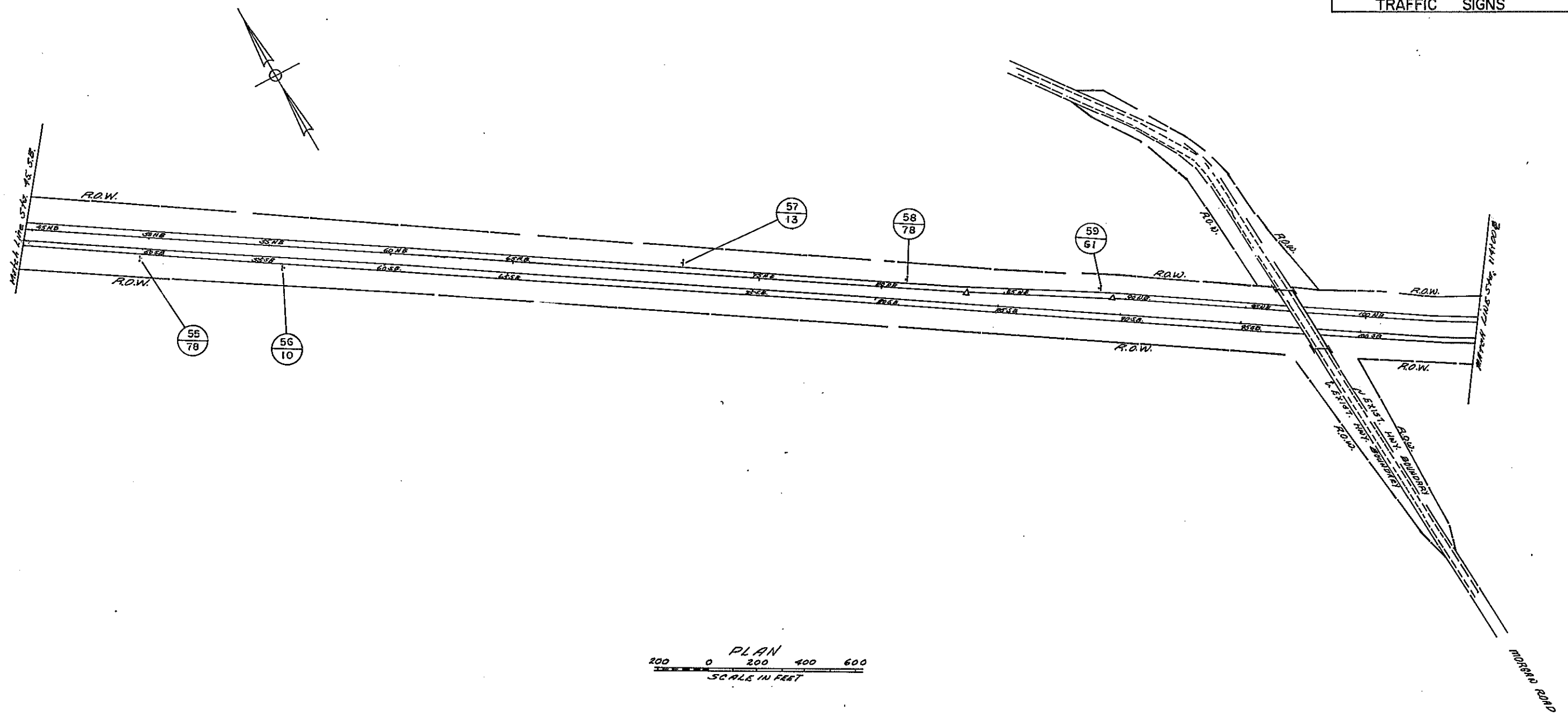
SEE SHEET NO. 5F2 FOR
APPROVAL SIGNATURE

Fed Rd REG NO	STATE	Federal Aid Project No	Sheet No	TOTAL SHEETS
1	NY		108G1	257
PHOENIX-SYRACUSE, S.H. 5274				
EUCLID-NORTH SYRACUSE, S.H.				
TRAFFIC SIGNS				
FIELD CHANGE				



Drawn by _____
 Checked by _____
 Date _____

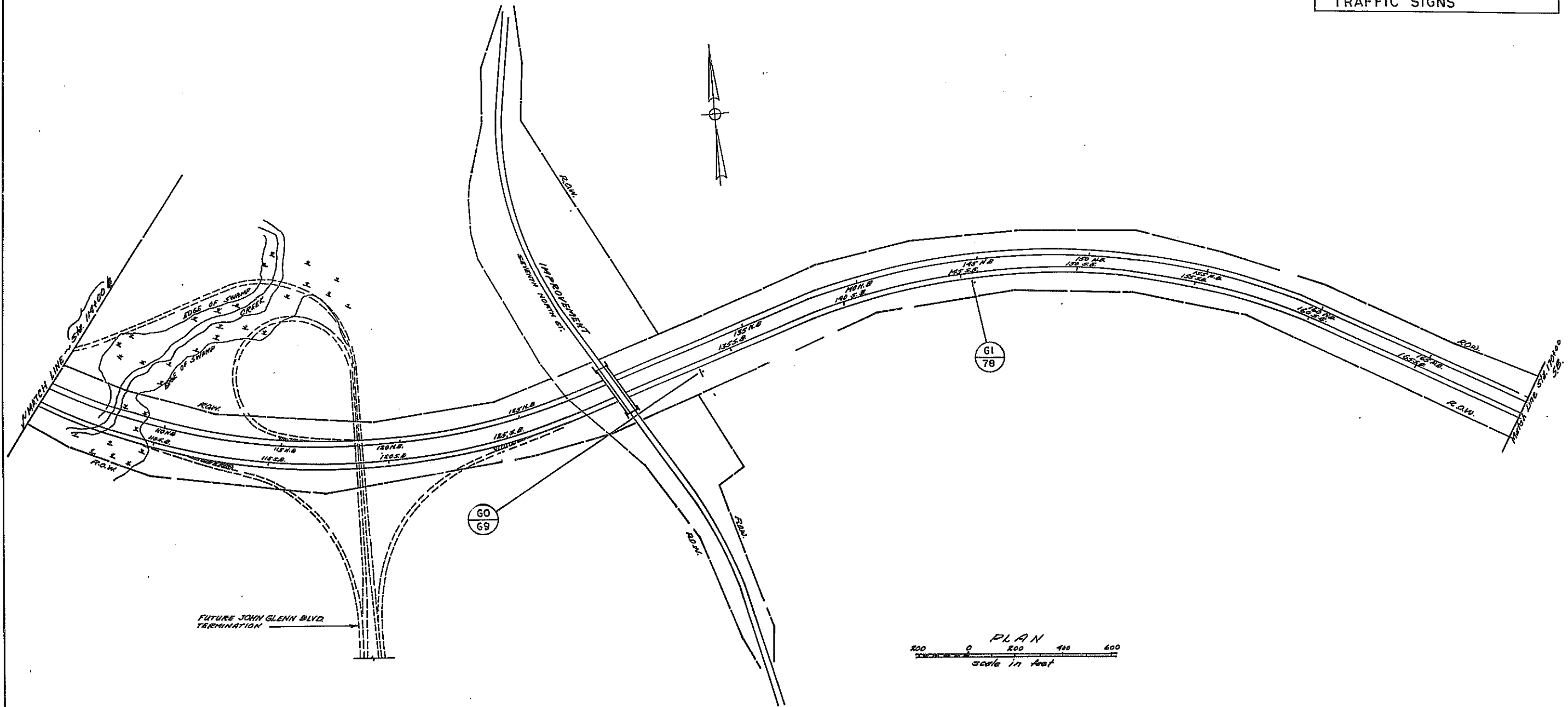
FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT No.	SHEET NO.	TOTAL SHEETS
1	N.Y.		109	257
EUGLIID-NORTH SYRACUSE, S.H.				
TRAFFIC SIGNS				



PLAN
200 0 200 400 600
SCALE IN FEET

Made by C. [Signature] Checked by [Signature] Traced by C. [Signature] Checked by [Signature]

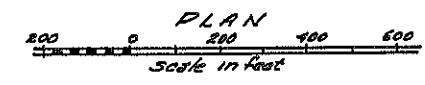
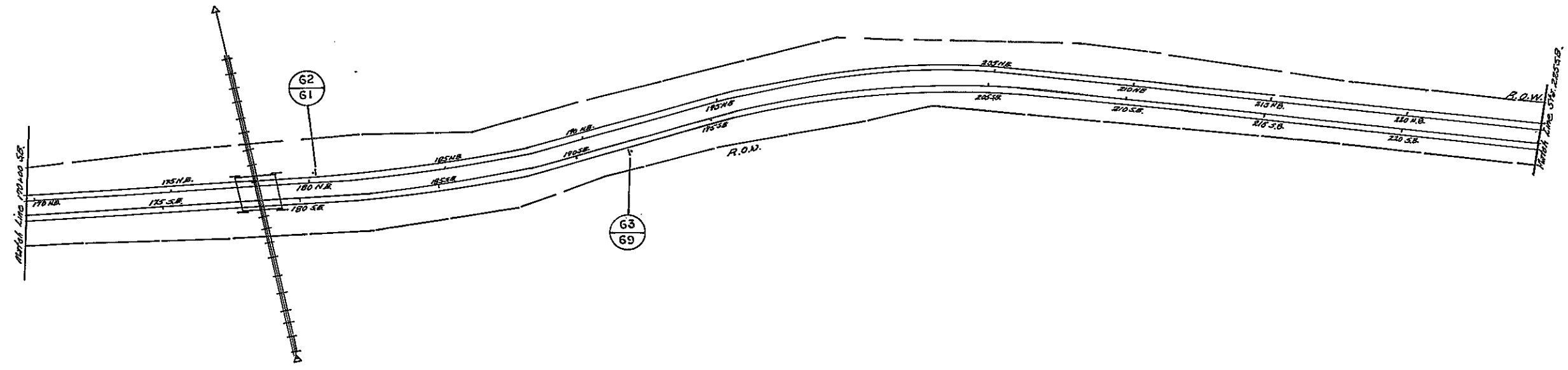
FED. RD. REG. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		110	257
EUCLID - NORTH SYRACUSE				
S.H.				
TRAFFIC SIGNS				



PLAN
 200 0 200 400 600
 scale in feet

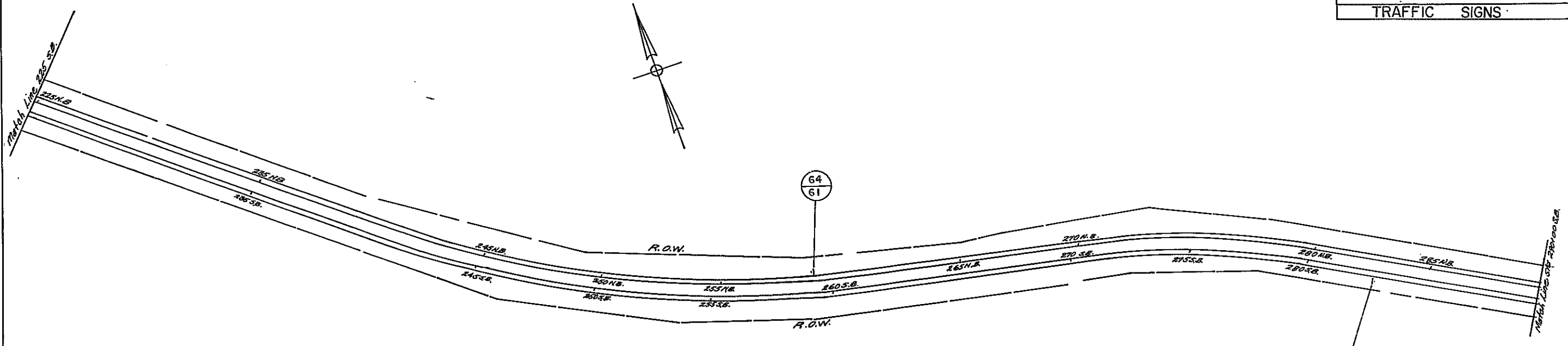
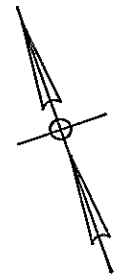
Made by _____ Checked by _____ Traced by _____ checked by _____
 G. L. ... E. ...

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET No.	TOTAL SHEETS
1	N.Y.		111	257
EUCLID-NORTH SYRACUSE, S.H.				
TRAFFIC SIGNS				



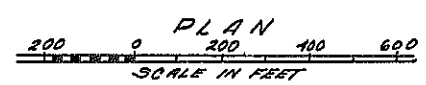
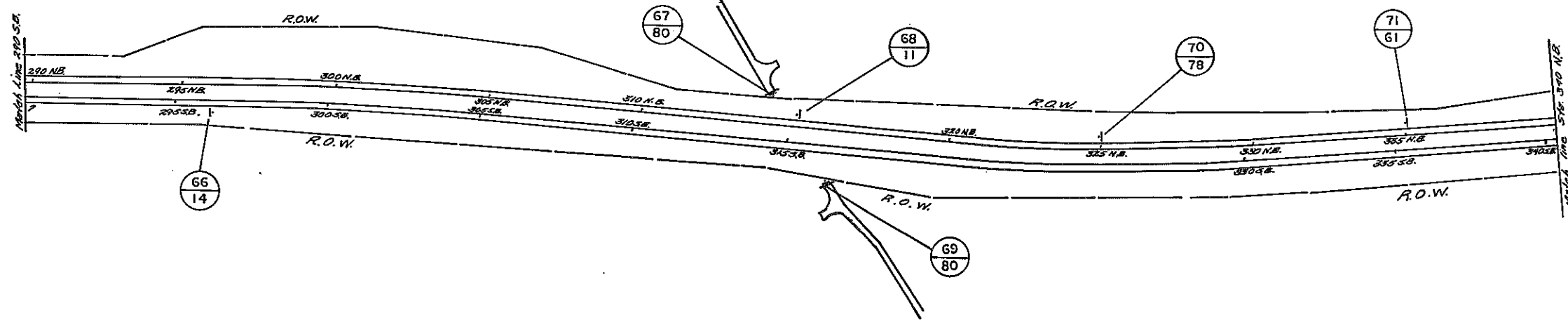
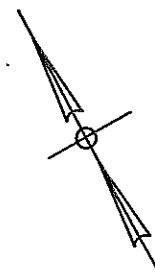
Made by Ch. Kinsler Checked by R. Williams Traced by E. Reptela Checked by R. Williams

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		112	257
EUCLID-NORTH SYRACUSE, S.H.				
TRAFFIC SIGNS				



Made by Ch. Kunkler Checked by R. Mansueti Traced by C. Neff Checked by R. Mansueti

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		113	257
EUCLID-NORTH SYRACUSE, S.H.				
TRAFFIC SIGNS				

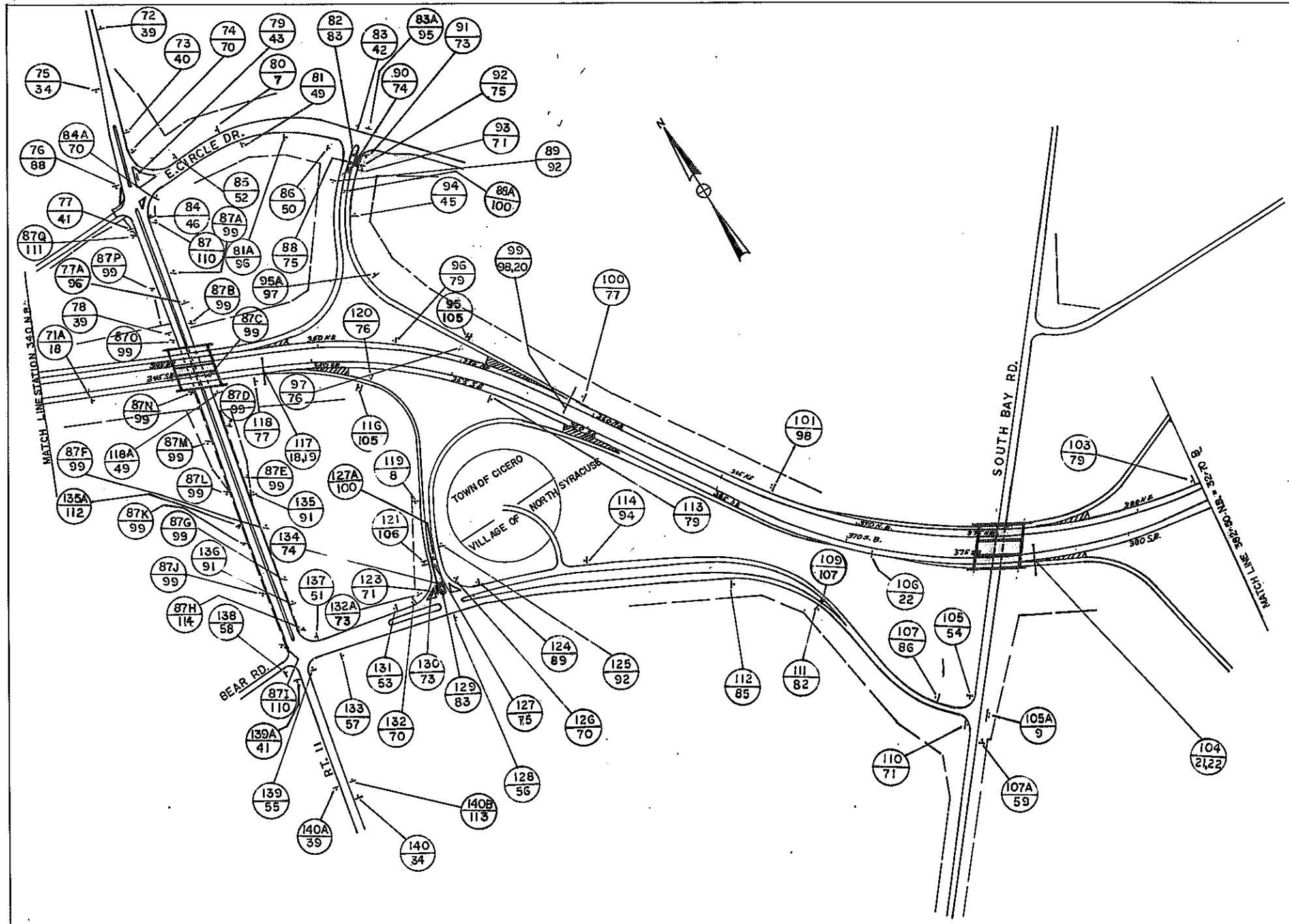


Made by A. L. Linsley Checked by P. M. ... Traced by P. ... Checked by P. ...

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		114	257

EUCLID-NORTH SYRACUSE, S.H.
MATTYDALE-BREWERTON, S.H. 57-6
SYRACUSE-CICERO, S.H. 5710

TRAFFIC SIGNS



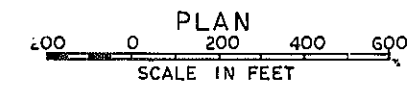
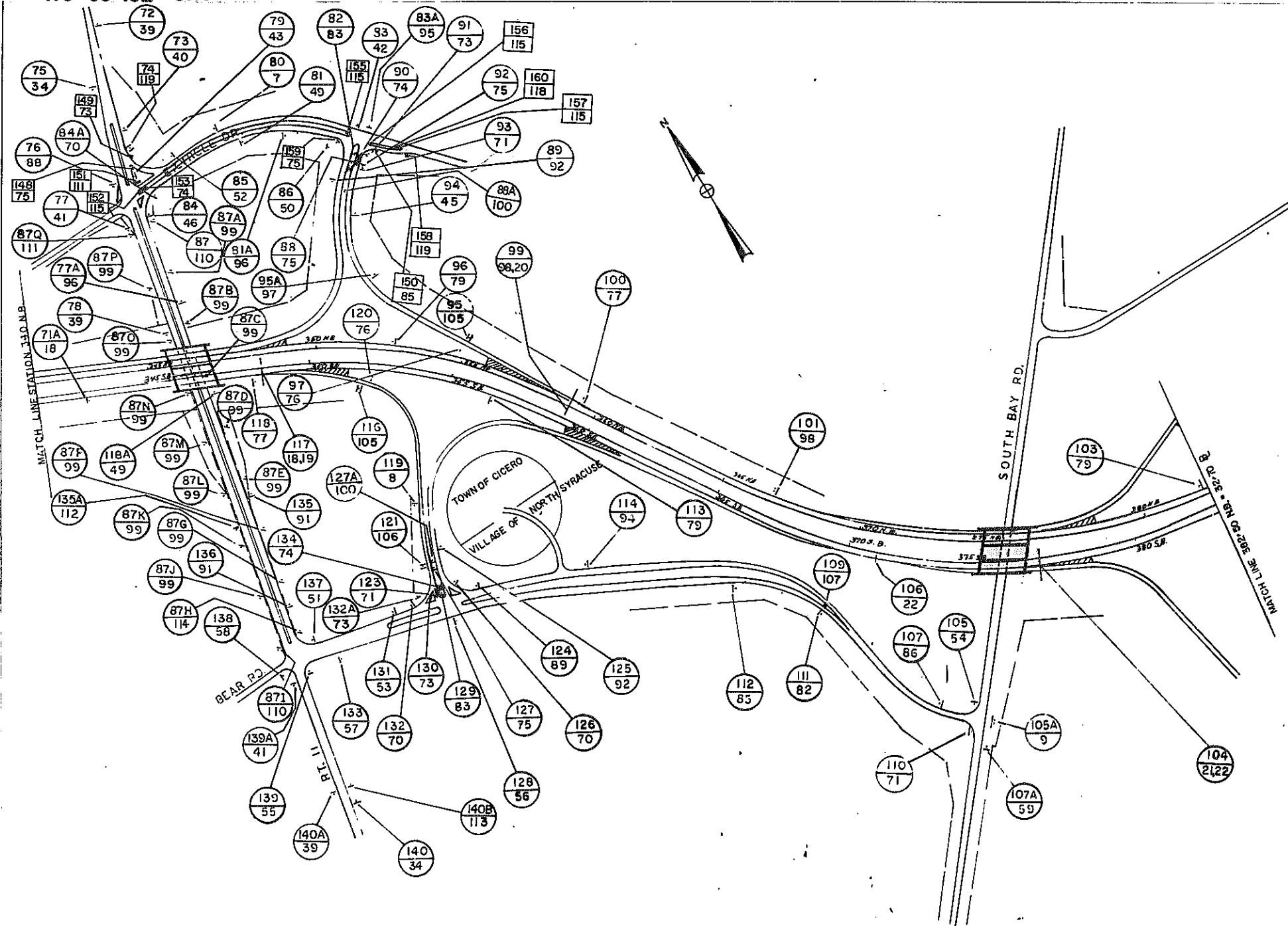
MADE BY *G. Lambson* CHECKED BY *R. Morrison* TRACED BY *D.A. Miller* CHECKED BY *F. Morrison*

FIELD CHANGE SHEET

FOR CONTRACT NO. SH 69-5, RC 69-102.
PROJECT IDENTIFICATION NO. 3035.00.
SHEET 114F1 MODS ALL OF ORIGINAL SHEET
114 BY THE ADDITION OF SIGNS, VICINITY OF
E. CIRCLE DRIVE.

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		114F1	257

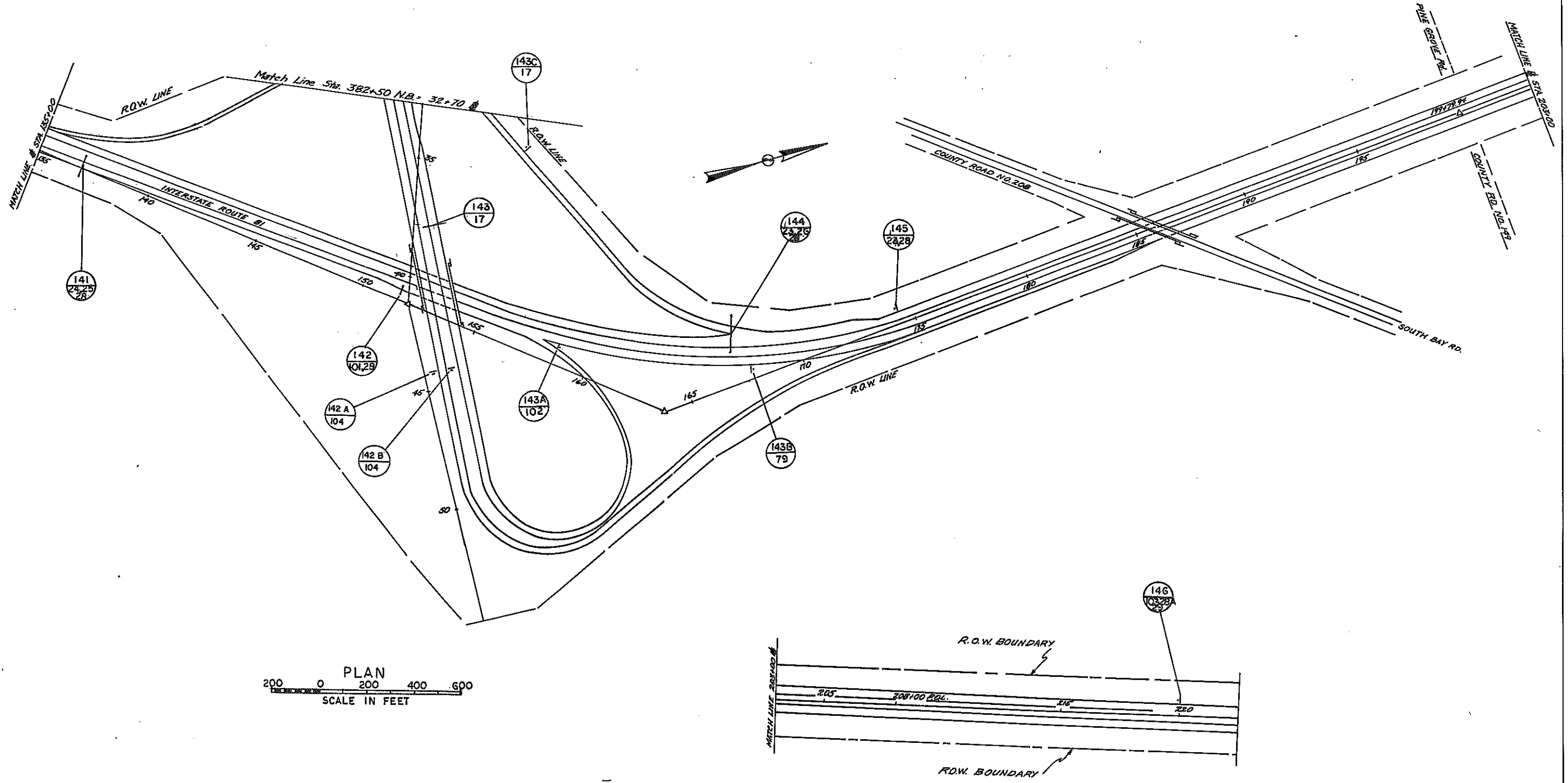
EUCLID-NORTH SYRACUSE, S.H.
MATTYDALE-BRENERTON, S.H. 57-6
SYRACUSE-CICERO, S.H. 5470
TRAFFIC SIGNS



FIELD CHANGE SHEET 114F1
SEE SHEET 15F2 FOR APPROVAL SIGNATURE

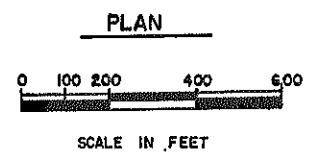
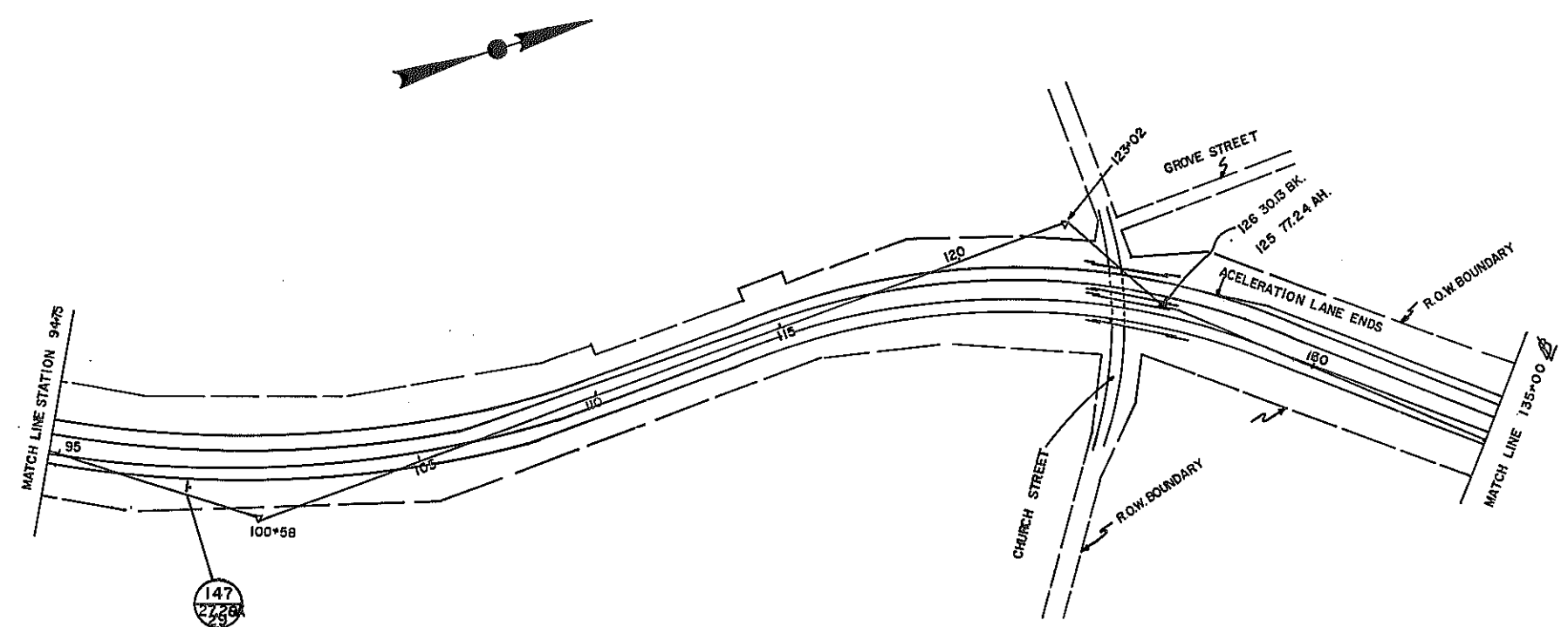
MADE BY D. A. Miller CHECKED BY F. J. ... TRACED BY D. A. Miller CHECKED BY F. J. ...

FED RD REG. NO.	STATE	FED AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
			115	257
MATTYDALE-BREWERTON, S.H. 57-6				
TRAFFIC SIGNS				



MADE BY CHECKED BY THROWN BY CHECKED BY
CO. [Signature] *[Signature]* *[Signature]* *[Signature]*

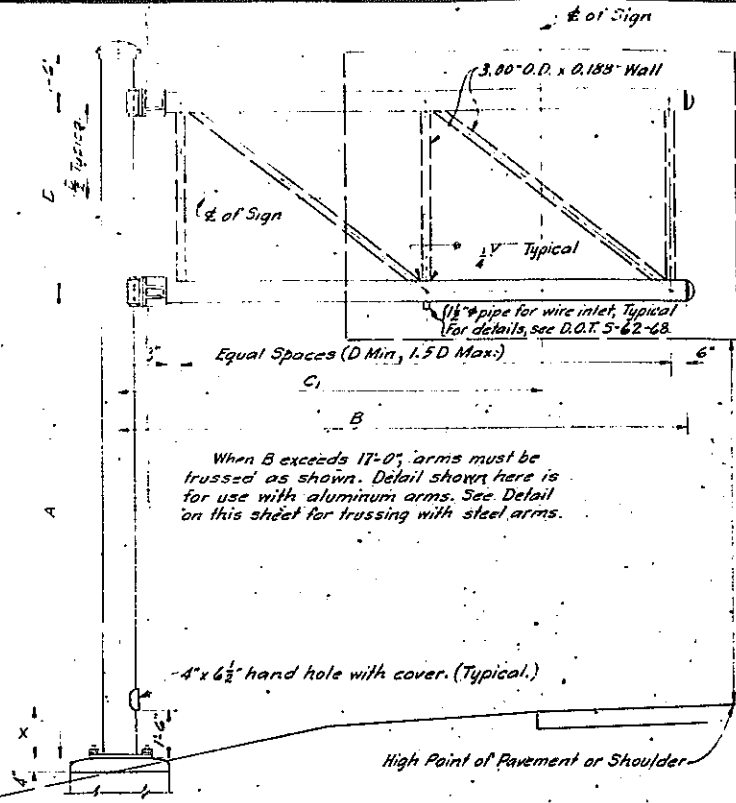
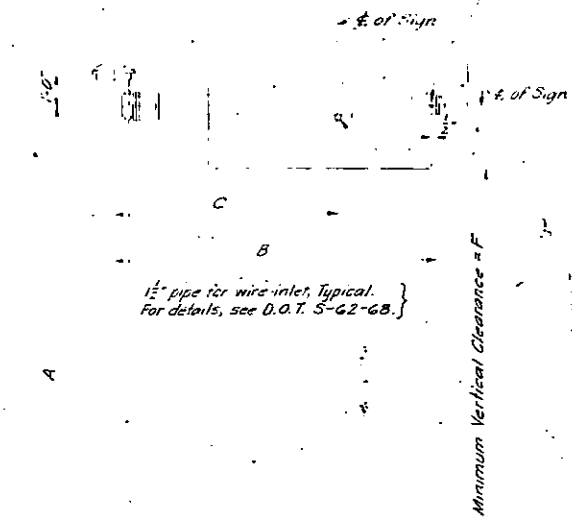
FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	NY		116	257
MATTYDALE-BREWERTON, S.H. 57-6				
TRAFFIC SIGNS				



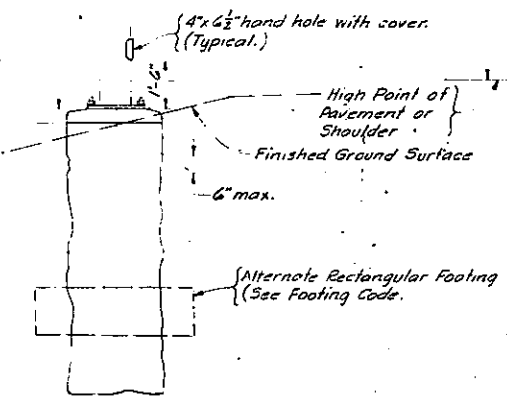
MADE BY CHECKED BY TRACED BY CHECKED BY
W. L. ... *H. ...* *D. Miller* *...*

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		117R	257
EUCLID-NORTH SYRACUSE, S.H.				
MATTYDALE-BREWERTON, S.H. 57-6				
TRAFFIC SIGNS				

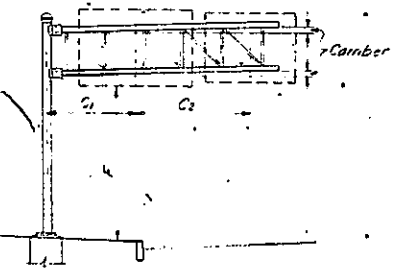
4" and top 2 holes 180° apart for 1/2" set screws Typical



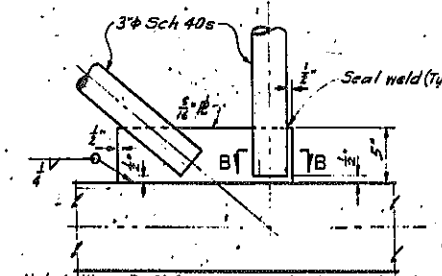
When B exceeds 11'-0", arms must be trussed as shown. Detail shown here is for use with aluminum arms. See Detail on this sheet for trussing with steel arms.



TYPICAL ELEVATION Scale: 3/8" = 1'-0"



TYPICAL INSTALLATION Scale: 3/8" = 1'-0"



Note: When D=8'-0", arms may be trussed with 2 5/8" x 3/8" x 1/4", bolted as shown on D.O.T. S-68-68. TRUSSING DETAILS FOR STEEL ARMS Scale: 1 1/2" = 1'-0"

NOTES
 For footing codes and details, see 51d. Sh. 68-66A.
 For details and payment items for footings, footing excavation and backfill, see 51d. Sh. 68-66A.
 For Base R and anchor bolt details, see D.O.T. S-62-68. After sign is erected, it may be necessary to adjust leveling nuts slightly to make allowance for deflection in post.
 All posts are to be galvanized steel. Arms are to be aluminum or galvanized steel as indicated in the table below.

Tapered poles and/or arms may be used for the structures shown on this sheet. They must be of a material satisfactory to the Deputy Chief Engineer, Design. Modify connections to fit taper. Large end of tapered sections must have the same O.D. as the pipe specified in the table. A table of Equivalent Post sizes is shown on this sheet.
 All welding and other fabricating to be done before galvanizing.
 For details of caps, see D.O.T. S-62-68 and D.O.T. S-63-68.
 For aluminum arm clamps, see D.O.T. S-63-68.

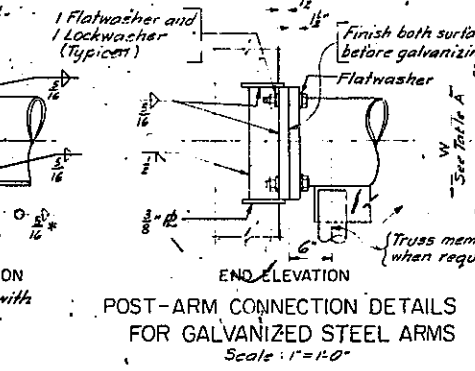
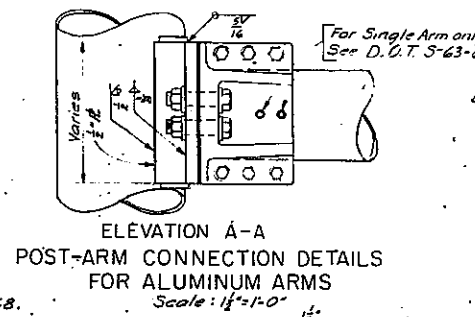
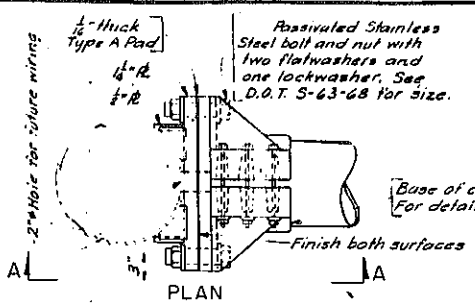


TABLE A

NOM. SIZE OF ARM	L	W
8"	18 3/8"	11 3/8"
10"	20 3/4"	13 3/4"
12"	22 3/8"	15 3/4"

ITEM NO.	LOC. NO.	TEXT NO.	POST (GALV. STEEL)			ARMS					FOOTING CODE	SIGN SIZE	X*	F		
			A	D	PIPE SIZE	C ₁	C ₂	B	MATERIAL	SIZE					BRACKET CODE	CAMBER
474-1	142	28, 101	18.5'	8.0'	16" SCH 30s	15.25'	---	20.8'	STEEL	8" SCH 40s	TYPE D	2.6"	11-L	10.5 x 16.5	2.3'	15.2'
474-2	106	22	20.0'	8.0'	14" SCH 20	11.25'	---	16.5'	ALUM.	80000X250	TYPE D	3.1"	7-K	10.0 x 12.5	3.8'	15.2'

EQUIVALENT SIZES FOR SINGLE POSTS AND CANTILEVER ARMS

ASTM A53 GrB	UNION METAL	ASTM A252 Gr 3	API 5L x 52
6" Sch. 40s	3 Gauge 6" O.D.	6" Sch 40s	6" Sch 40s
8" Sch 20	3 Gauge 8" O.D.	8" Sch 20	8" Sch 20
8" Sch. 30	3 Gauge 8" O.D.	8" Sch 20	8" Sch 20
8" Sch 40	3 Gauge 8" O.D.	8" Sch 20	8" Sch 20
10" Sch 20	3 Gauge 10" O.D.	10" Sch 20	10" Sch 20
10" Sch 30	3 Gauge 10" O.D.	10" Sch 20	10" Sch 20
12" Sch 20	3 Gauge 12" O.D.	12" Sch 20	12" Sch 20
12" Sch 30	3 Gauge 12" O.D.	12" Sch 30	12" Sch 20
14" Sch 10	3 Gauge 12" O.D.	14" Sch 10	14" Sch 10
14" Sch 20	3 Gauge 14" O.D.	14" Sch 10	14" Sch 10
14" Sch 30s	3 Gauge 14" O.D.	14" Sch 20	14" Sch 10
14" Sch 40	0 Gauge 14" O.D.	14" Sch 30s	14" Sch 20
16" Sch 10	3 Gauge 16" O.D.	16" Sch 10	16" Sch 10
16" Sch 20s	3 Gauge 16" O.D.	16" Sch 20	16" Sch 10
16" Sch 40x	0 Gauge 16" O.D.	16" Sch 40x	16" Sch 30s
18" Sch 10	3 Gauge 18" O.D.	18" Sch 10	18" Sch 10
18" Sch 20	3 Gauge 18" O.D.	18" Sch 10	18" Sch 10
18" Sch. x	0 Gauge 18" O.D.	18" Sch 30	18" Sch. s
20" Sch 30x	0 Gauge 20" O.D.	20" Sch 30x	20" Sch 20s

PROJECT ENGINEER
 IN CHARGE OF
 DESIGNED BY
 DESIGN CHECKED BY
 DETAILED BY
 DETAIL CHECKED BY

SINGLE CANTILEVER SIGN STRUCTURES
 D.O.T. S-60-68 DRAWING NO. OF

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		177 FI	257
EUCLID-NORTH SYRACUSE, S.H.				
MATTYDALE-BREWERTON, S.H. 57-6				
TRAFFIC SIGNS				

SEE SHEET NO. 15 FI FOR APPROVAL SIGNATURE

FIELD CHANGE
SHEET 117 FI ALTERS PART OF ORIGINAL SHEET 117. SMALL CHANGES TO ITEMS 474-1 & 474-2.
MAR. 30, 1970
DATE ASST. REGIONAL DIRECTOR OF TRANSPORTATION, REGION NO. 3.

TABLE A

NOM. SIZE OF ARM	L'	W
8"	18 3/4"	11 3/4"
10"	20 3/4"	13 3/4"
12"	22 3/4"	15 3/4"

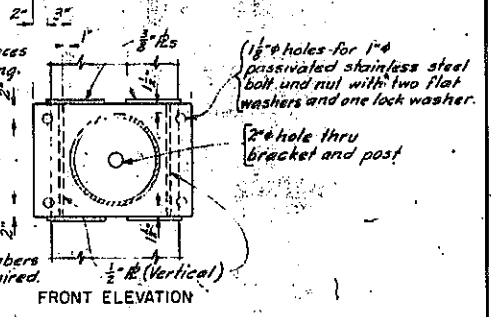
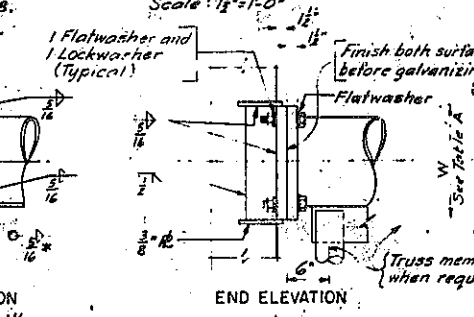
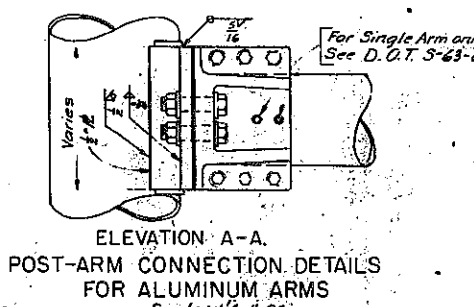
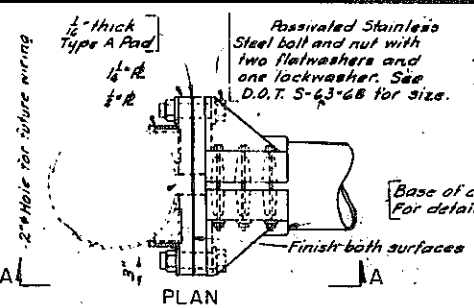
NOTES
For footing codes and details, see Std. Sh. 68-66A.
For details and payment items for footing, footing excavation and backfill, see Std. Sh. 68-66A.
For Base R and anchor bolt details, see D.O.T. S-62-68. After sign is erected, it may be necessary to adjust leveling nuts slightly to make allowance for deflection in post.
All posts are to be galvanized steel. Arms are to be aluminum, or galvanized steel as indicated in the table below.

Tapered poles and/or arms may be used for the structures shown on this sheet. They must be of a material satisfactory to the Deputy Chief Engineer, Design. Modify connections to fit taper. Large end of tapered sections must have the same O.D. as the pipe specified in the table. A table of Equivalent Post sizes is shown on this sheet.

All welding and other fabricating to be done before galvanizing.

For details of caps, see D.O.T. S-62-68 and D.O.T. S-63-68.

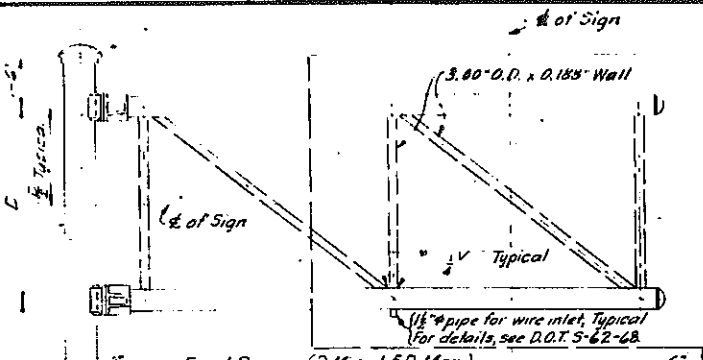
For aluminum arm clamps, see D.O.T. S-63-68.



Wall and top holes 180° apart for 1/2" set screws Typical

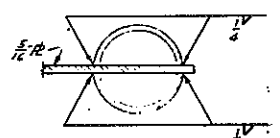
1 1/2" pipe for wire inlet, Typical. For details, see D.O.T. S-62-68.

Minimum Vertical Clearance = F

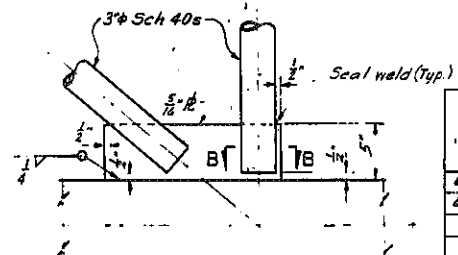


When B exceeds 17'-0", arms must be trussed as shown. Detail shown here is for use with aluminum arms. See Detail on this sheet for trussing with steel arms.

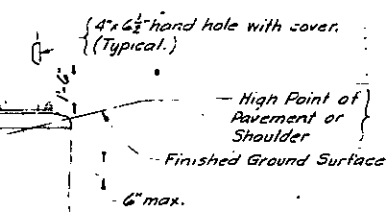
TYPICAL ELEVATION Scale: 3/8"=1'-0"



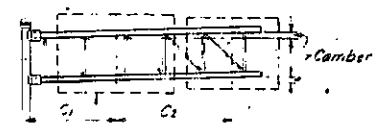
SECTION B-B Not to Scale.



Note: When D=8'-0", arms may be trussed with 2 5/8" x 5/16", bolted as shown on D.O.T. S-62-68.
TRUSSING DETAILS FOR STEEL ARMS Scale: 1/2"=1'-0"



TYPICAL ELEVATION Scale: 1/2"=1'-0"



TYPICAL INSTALLATION Scale: 1/8"=1'-0"

EQUIVALENT SIZES FOR SINGLE POSTS AND CANTILEVER ARMS

ASTM A53 GrB	UNION METAL	ASTM A252 Gr3	API 5Lx 52
6" Sch. 40s	3 Gauge 6" O.D.	6" Sch 40s	6" Sch 40s
8" Sch 20	3 Gauge 8" O.D.	8" Sch 20	8" Sch 20
8" Sch 30	3 Gauge 8" O.D.	8" Sch 20	8" Sch 20
8" Sch 40	3 Gauge 8" O.D.	8" Sch 20	8" Sch 20
10" Sch 20	3 Gauge 10" O.D.	10" Sch 20	10" Sch 20
10" Sch 30	3 Gauge 10" O.D.	10" Sch 20	10" Sch 20
12" Sch 20	3 Gauge 12" O.D.	12" Sch 20	12" Sch 20
12" Sch 30	3 Gauge 12" O.D.	12" Sch 30	12" Sch 20
14" Sch 10	3 Gauge 14" O.D.	14" Sch 10	14" Sch 10
14" Sch 20	3 Gauge 14" O.D.	14" Sch 10	14" Sch 10
14" Sch 30s	3 Gauge 14" O.D.	14" Sch 20	14" Sch 10
14" Sch 40	0 Gauge 14" O.D.	14" Sch 30s	14" Sch 20
16" Sch 10	3 Gauge 16" O.D.	16" Sch 10	16" Sch 10
16" Sch 20	3 Gauge 16" O.D.	16" Sch 20	16" Sch 10
16" Sch 30	3 Gauge 16" O.D.	16" Sch 20	16" Sch 10
16" Sch 40x	0 Gauge 16" O.D.	16" Sch 40x	16" Sch 30s
18" Sch 10	3 Gauge 18" O.D.	18" Sch 10	18" Sch 10
18" Sch 20	3 Gauge 18" O.D.	18" Sch 10	18" Sch 10
18" Sch 30	0 Gauge 18" O.D.	18" Sch 30	18" Sch 30
20" Sch 30x	0 Gauge 20" O.D.	20" Sch 30x	20" Sch 20s

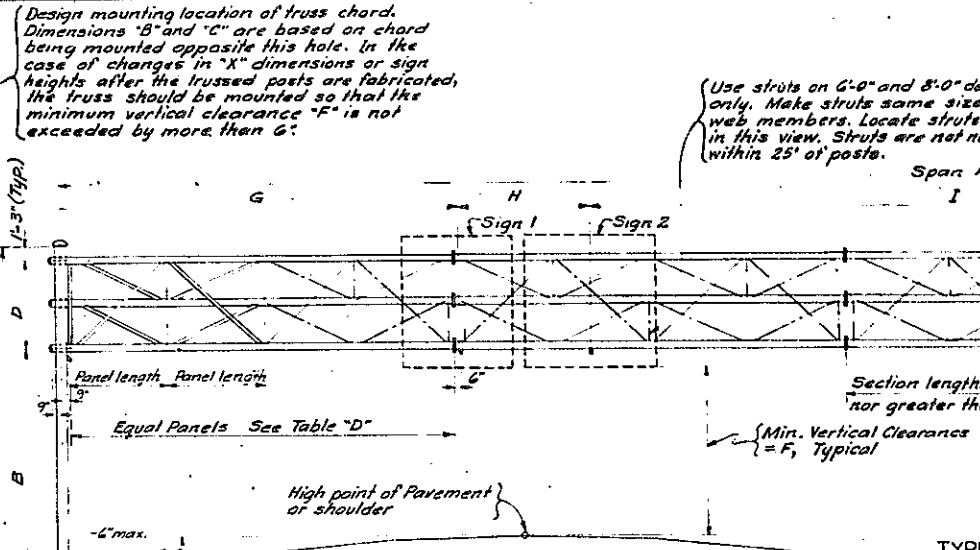
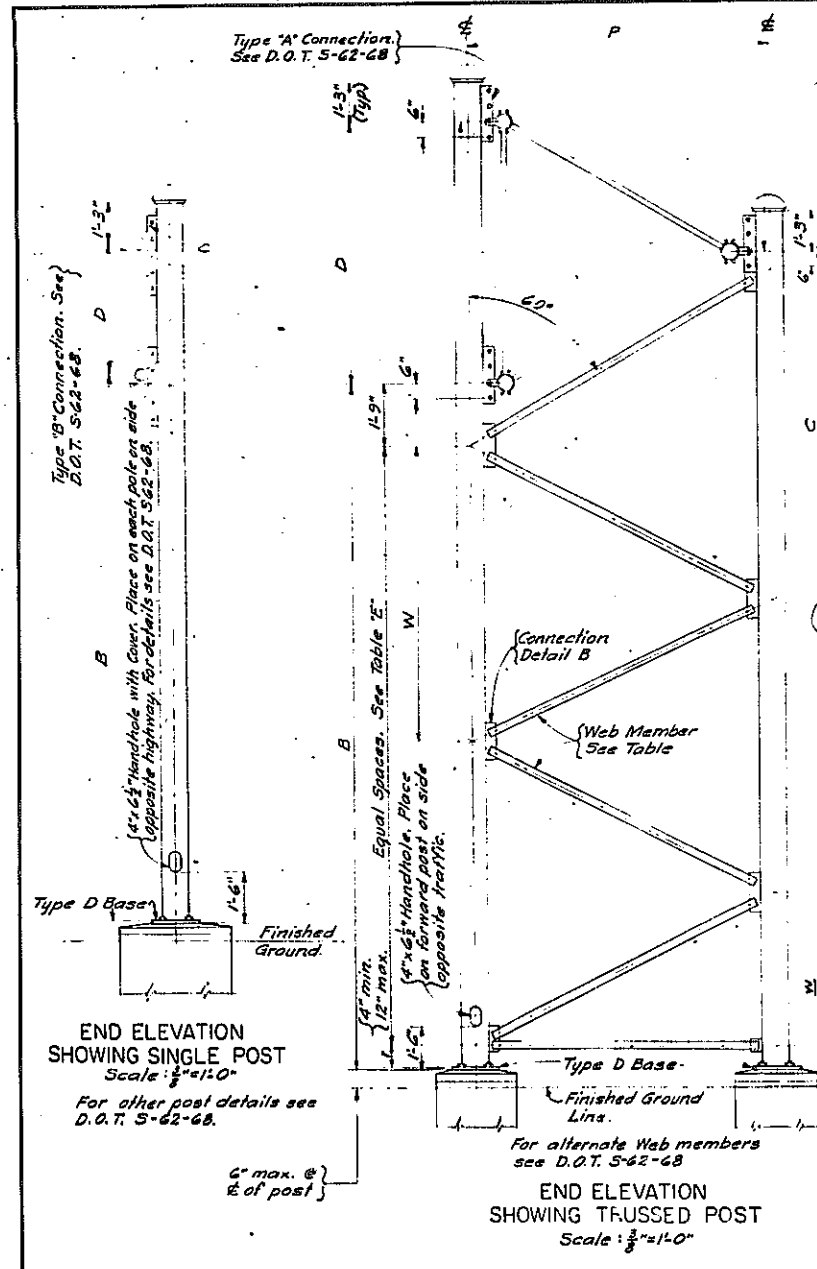
ITEM NO.	LOC. NO.	TEXT NO.	POST (GALV. STEEL)			ARMS				FOOTING CODE	SIGN SIZE	X*	F			
			A	D	PIPE SIZE	C ₁	C ₂	B	MATERIAL					SIZE	BRACKET CODE	CAMBER
474-1	142	28, 101	18.5'	8.0'	16" SCH 30s	12.25'	---	20.5'	STEEL	8" SCH 40s	TYPE D	2.6"	11-L	100 x 15.2'	2.3'	15.2'
474-2	106	22	20.0'	8.0'	14" SCH 20	11.25'	---	16.5'	ALUM.	80000X250	TYPE D	3.1"	7-K	100 x 15.2'	3.0'	15.2'

PROJECT ENGINEER
IN CHARGE OF
DESIGNED BY
DESIGN CHECKED BY
DETAILED BY
DETAIL CHECKED BY

SINGLE CANTILEVER SIGN STRUCTURES
D.O.T. S-60-68 DRAWING NO. OF

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		118	257

EUCLID-NORTH SYRACUSE, S.H.
MATTYDALE-BREWERTON, S.H.-57-6
TRAFFIC SIGNS



NOTES

Sign panel units, vertical brackets, U-Bolt assemblies and necessary hardware for attaching signs to structures to be paid for under Overhead Panel Item (471A Typ.)

Tri-truss span and brackets are fabricated of Aluminum.

Galvanized Steel in contact with Aluminum must be separated by 'Fibco' or 'Fibreka' Pads.

Single and double poles, base plates and post to truss connections are fabricated of galvanized steel.

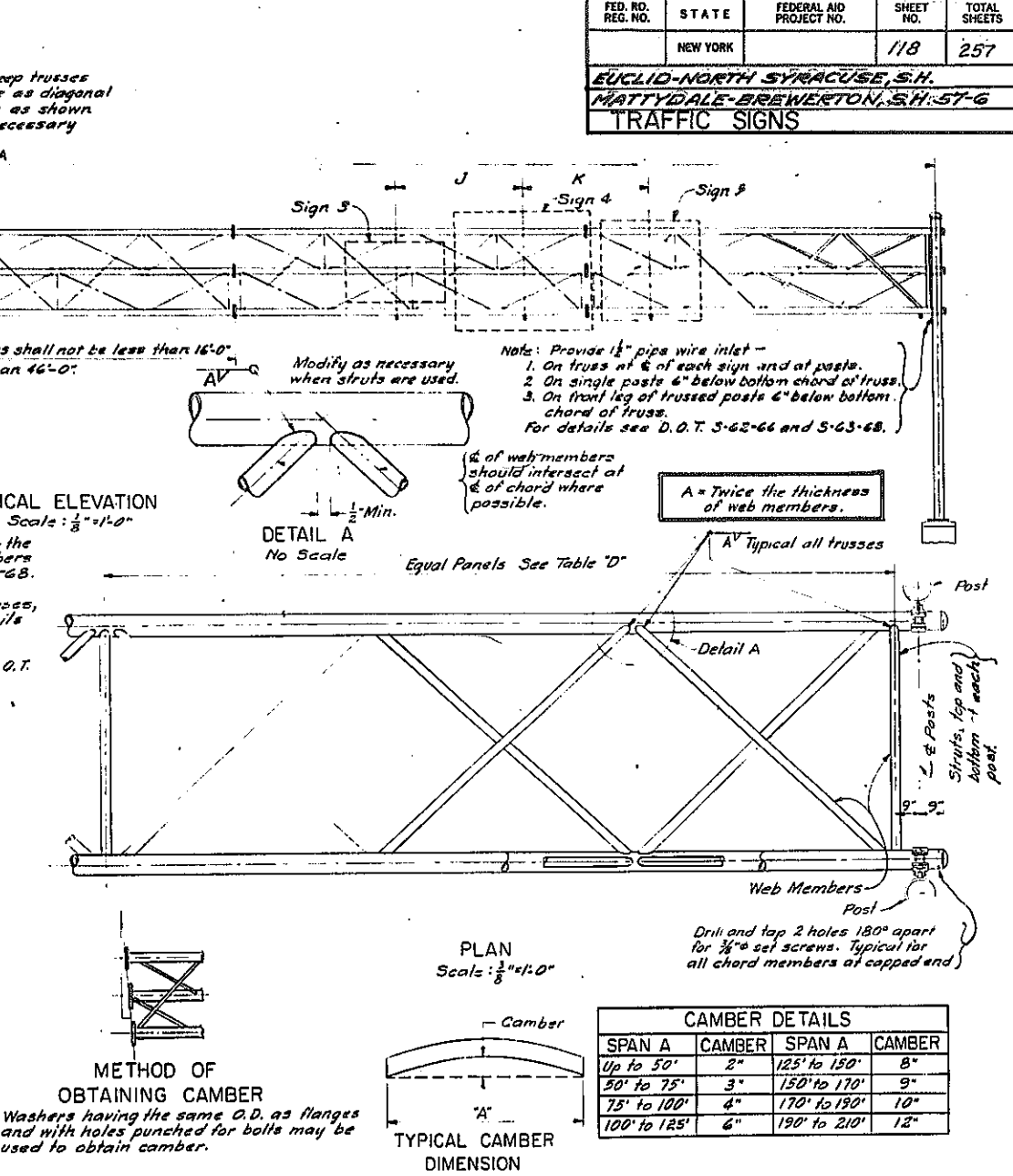
For Connection Detail "B" and for the alternate details of web members of trussed posts see D.O.T. S-62-68.

For dimensions of Type "D" bases, anchor bolts and postcap details see D.O.T. S-62-68.

For flanged connections see D.O.T. S-63-68.

POST DIA.	WEB MEMBER PIPE SIZE
6"	2 1/2" Sch 40s
8"	3" Sch 40s
10"	3 1/2" Sch 40s
12"	4" Sch 40s

EQUIVALENT SIZES FOR TRUSSED POSTS			
ASTM A53 TYPE B	UNION METAL	ASTM A252 GRADE 3	API 5Lx 52
6" Schedule 40s	3 Gauge 6"	6" Schedule 40s	6" Schedule 40s
8" Schedule 20	3 Gauge 8"	8" Schedule 20	8" Schedule 20
8" Schedule 30	3 Gauge 8"	8" Schedule 20	8" Schedule 20
8" Schedule 40s	3 Gauge 8"	8" Schedule 20	8" Schedule 20
8" Schedule 60	0 Gauge 8"	8" Schedule 40s	8" Schedule 30
8" Schedule 80x	7+7 Gauge 8"	8" Schedule 60	8" Schedule 60
10" Schedule 20	3 Gauge 10"	10" Schedule 20	10" Schedule 20
10" Schedule 30	3 Gauge 10"	10" Schedule 20	10" Schedule 20
10" Schedule 40s	3 Gauge 11"	10" Schedule 30	10" Schedule 20
10" Schedule 60x	0 Gauge 11"	10" Schedule 60x	10" Schedule 40s
10" Schedule 80	7+3 Gauge 10"	10" Schedule 60x	10" Schedule 60x
12" Schedule 20	3 Gauge 12"	12" Schedule 20	12" Schedule 20
12" Schedule 30	3 Gauge 12"	12" Schedule 30	12" Schedule 20
12" Schedule 40	0 Gauge 12"	12" Schedule 30	12" Schedule 20
12" Schedule 40	0 Gauge 12"	12" Schedule 30	12" Schedule 30
12" Schedule x	7+7 Gauge 12"	12" Schedule 40	12" Schedule s
12" Schedule 60	7+3 Gauge 12"	12" Schedule x	12" Schedule s
12" Schedule 80	3+3 Gauge 12"	12" Schedule 60	12" Schedule x



ITEM NO.	LOC NO.	TEXT NUMBERS	ITEM 492 REQ'D	SPAN A	LEFT POST					RIGHT POST					TRUSS		SIGN 1		SIGN 2		SIGN 3		SIGN 4		SIGN 5								
					TYPE	PIPE SIZE	B	C	X _L	PEDESTAL FTG. CODE	P	TYPE	PIPE SIZE	B	C	X _R	PEDESTAL FTG. CODE	F	D	CHORD SIZE	WEB SIZE	G	BRACKET CODE	H	BRACKET CODE	I	BRACKET CODE	J	BRACKET CODE	K	BRACKET CODE		
476-1	117	18, 19	NO	70.0'	T	6" SCH 40s	21.5'	26.8'	2.3'	T6 on 6-G	5'-2"	T	8" SCH 20	25.7'	31.0'	6.5'	T7 on 7-G	15.2'	4'	400 OD X 0.315 WALL	200 OD X 0.188 WALL	34.5'	4-V6-D	16.25'	3-V4-D								
476-2	99	98, 20	NO	65.0'	S	16" SCH 10	21.9'	27.2'	4.7'	9-J		S	16" SCH 20	23.9'	29.2'	2.7'	12-K	15.2'	4'	400 OD X 0.315 WALL	200 OD X 0.188 WALL	30'	4-V4-D	17.25'	4-V4-D								
476-3	104	21, 22	NO	76.0'	T	8" SCH 30	22.3'	27.6'	3.6'	T8 on 8-G	5'-2"	T	8" SCH 20	21.2'	26.5'	2.5'	T7 on 7-G	15.2'	4'	400 OD X 0.275 WALL	250 OD X 0.188 WALL	34.50'	3-V6-D	15.75'	3-V6-D								
476-4	143	17	NO	68.0'	S	16" SCH 10	20.3'	25.6'	2.1'	8-J		S	16" SCH 10	21.9'	27.2'	3.7'	9-J	15.2'	4'	400 OD X 0.250 WALL	200 OD X 0.188 WALL	29.50'	3-V6-D										
476-5	141	24, 25, 26	NO	83.0'	T	8" SCH 20	21.4'	26.7'	2.0'	T7 on 7-G	5'-2"	T	8" SCH 60	23.4'	28.6'	3.8'	T12 on 12-G	15.2'	4'	500 OD X 0.375 WALL	250 OD X 0.188 WALL	33'	4-V6-D	17.25'	4-V6-D								
476-6	144	23, 26, 28	NO	110.0'	T	8" SCH 60	24.6'	29.9'	5.1'	T11 on 11-G	5'-2"	T	8" SCH 30	18.9'	25.2'	0.4'	T8 on 8-G	15.2'	4'	500 OD X 0.500 WALL	250 OD X 0.188 WALL	28.5'	4-V6-D	50.25'	4-V4-D								

PROJECT ENGINEER: _____

IN CHARGE OF: _____

DESIGNED BY: R. E. Brown

DESIGN CHECKED BY: T. L. Jones

DETAILED BY: R. E. Brown

DETAIL CHECKED BY: T. L. Jones

① S=Single Post, T=Trussed Post.

② The pipe sizes listed in this column are for ASTM A53 steel. See the table "Equivalent Post Sizes" on this sheet when using another type of steel. Tapered posts may be used. See the applicable notes on D.O.T. S-60-68.

③ This dimension to be verified by the Contractor in the field.

④ See Standard Sheet 68-66A for single posts. In this case the single entry will specify the size of circular or rectangular footing to be used. See Standard Sheet 68-66B for trussed posts. In this case the first designation is for the pedestal and the second designation is for the rectangular footing.

TABLE "D"

D	Panel Lengths		
	Min.	Max.	
4'-0"	3'-6"	4'-4"	
6'-0"	5'-3"	6'-9"	
8'-0"	7'-2"	8'-10"	

TABLE "E"

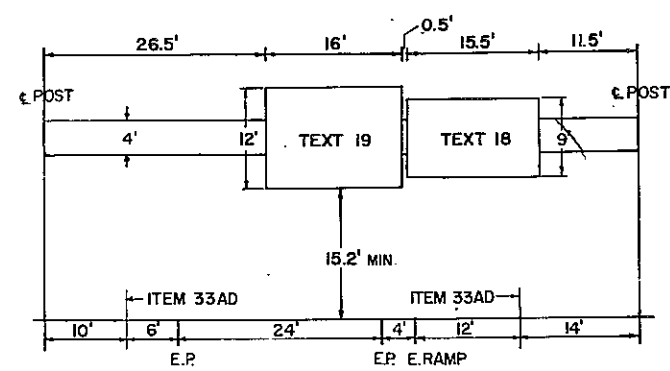
P	"W" Min.	"W" Max.
5'-2"	4'-8"	5'-8"
7'-2"	6'-8"	7'-8"
9'-2 1/4"	8'-8"	9'-8"

SPAN-TYPE STRUCTURE

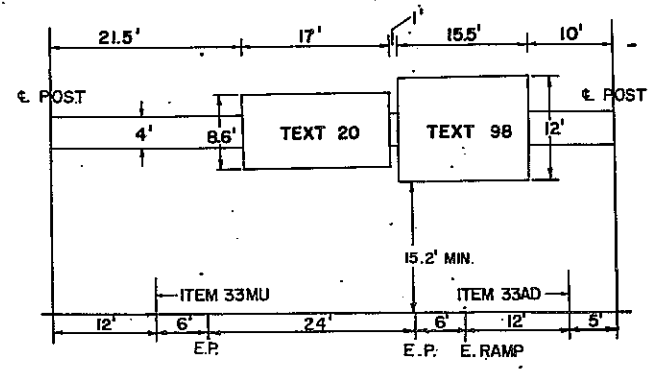
D.O.T. S-61-68 DRAWING NO. OF

FED RD REG. NO.	STATE	FED AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		119	257
EUCLID-NORTH SYRACUSE, S.H.				
MATTYDALE-BREWERTON, S.H. 57-6				
TRAFFIC SIGNS				

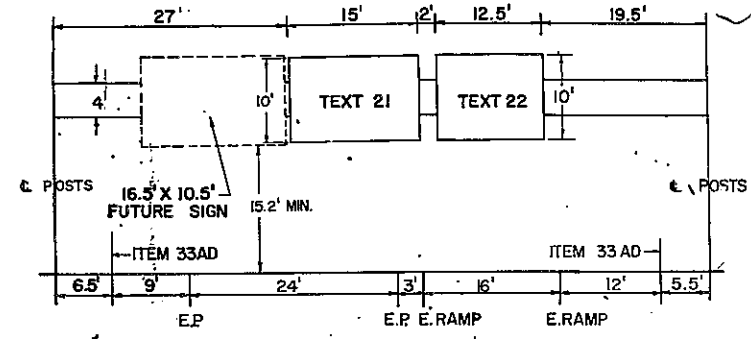
SEE FIELD CHANGE SHEET 119F



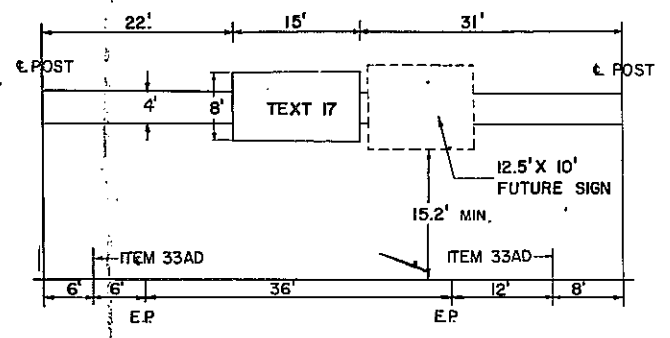
ITEM NO. 476-1
LOCATION NO. 117
FTG. LT. 6Q, RT. 7Q
STA. 348+30 SB ±



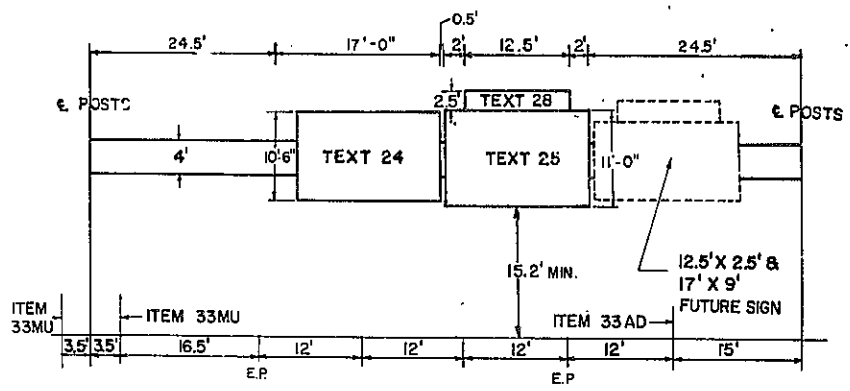
ITEM NO. 476-2
LOCATION NO. 99
FTG. LT. 9J, RT. 12K
STA. 359+00 NB ±



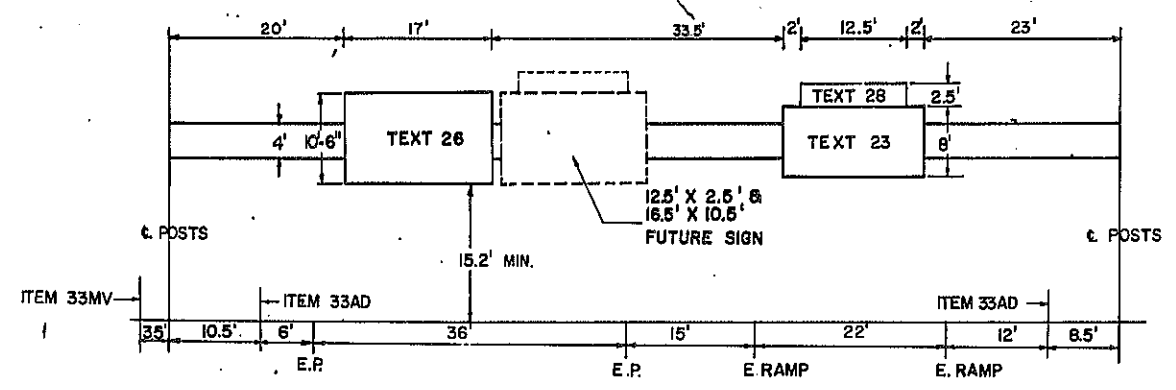
ITEM NO. 476-3
LOCATION NO. 104
FTG. LT. 8Q, RT. 7Q
STA. 376+60 SB ±



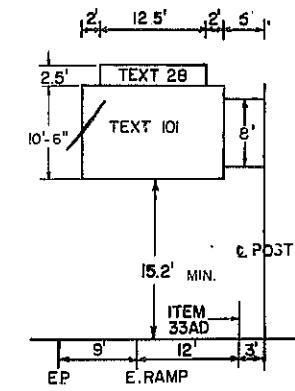
ITEM NO. 476-4
LOCATION NO. 143
FTG. LT. 8-J, RT. 9J
STA. 3780 LT. ± = STA. 388+00 NB ±



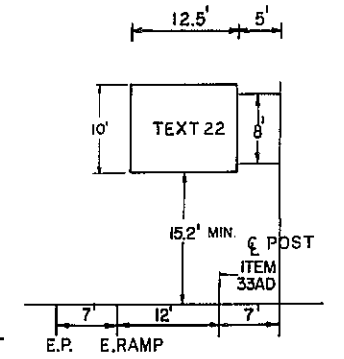
ITEM NO. 476-5
LOCATION NO. 141
FTG. LT. 7Q, RT. 12Q
STA. 136+90 ±



ITEM NO. 476-6
LOCATION NO. 144
FTG. LT. 11Q, RT. 8Q
STA. 167+60 LT. ±



ITEM NO. 474-1
LOCATION NO. 142
FTG. 11-K
STA. 151+50 LT. ±



ITEM NO. 471-2
LOCATION NO. 106
FTG. 7-J
STA. 368+20 SB ±

MADE BY AL RANBOW CHECKED BY R Young TRACED BY R Young CHECKED BY AL RANBOW

SCALE: 1" = 10'-0"

SEE SHEET NO. 15F1
FOR APPROVAL SIGNATURE

FIELD CHANGE

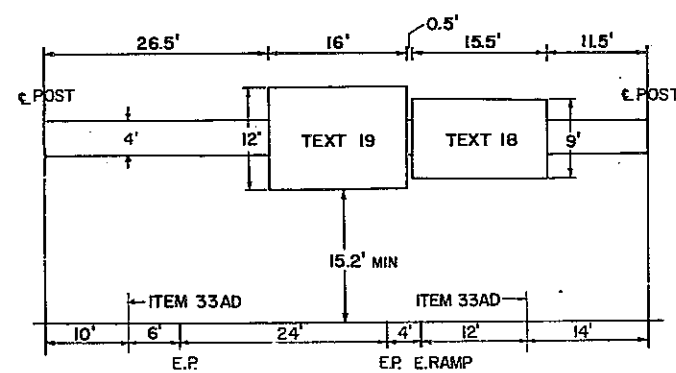
SHEET 119F1 ALTERS PART OF
ORIGINAL SHEET 119. TEXTS 20, 23,
25, AND 101 LARGER.

MAR 30 1970

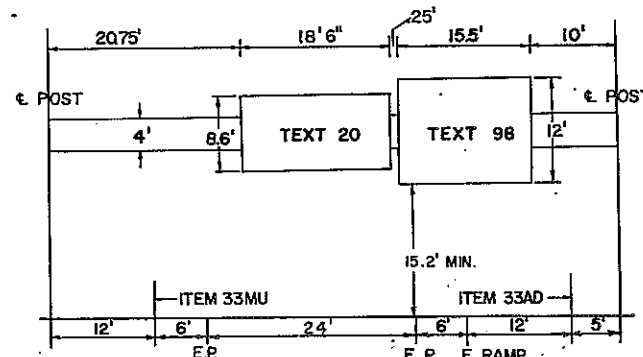
DATE ASST. REGIONAL DIRECTOR OF
TRANSPORTATION REGION NO. 3

FED RD REG. NO.	STATE	FED AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		119F1	257

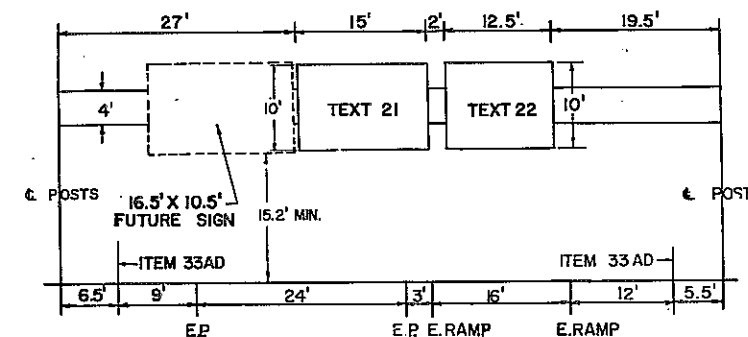
EUCLID-NORTH SYRACUSE, S.H.
MATTYDALE-BREWERTON, S.H. 57-6
TRAFFIC SIGNS



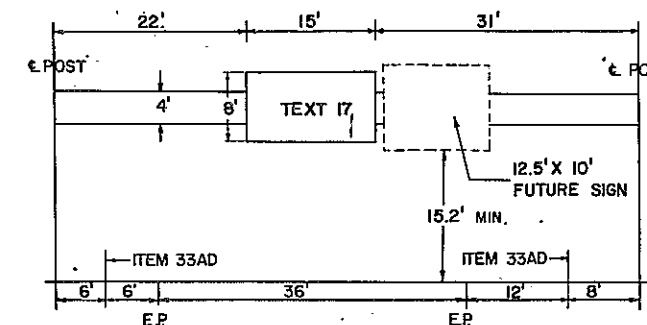
ITEM NO. 476-1
LOCATION NO. 117
FTG. LT. 6Q, RT. 7Q
STA. 348+30 SB ±



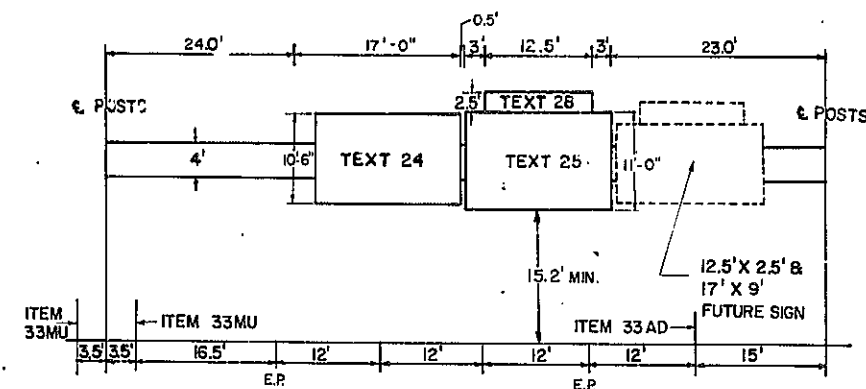
ITEM NO. 476-2
LOCATION NO. 99
FTG. LT. 9J, RT. 12K
STA. 359+00 NB ±



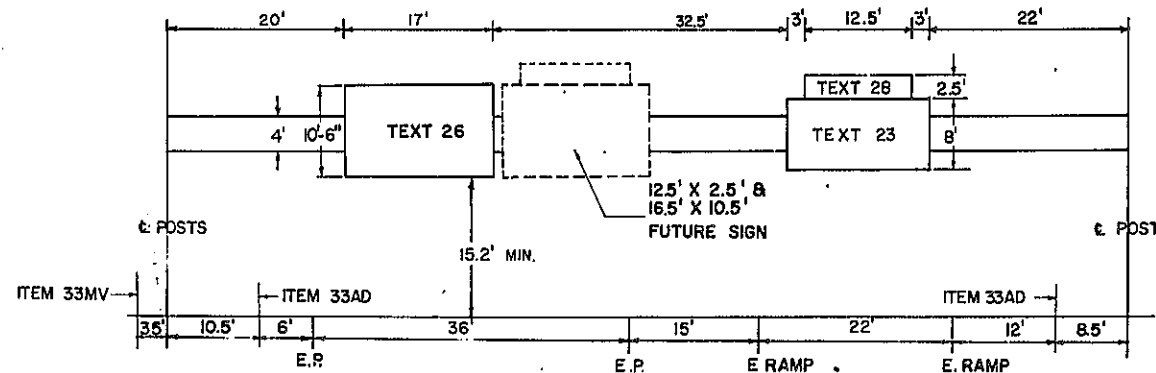
ITEM NO. 476-3
LOCATION NO. 104
FTG. LT. 8Q, RT. 7Q
STA. 376+60 SB ±



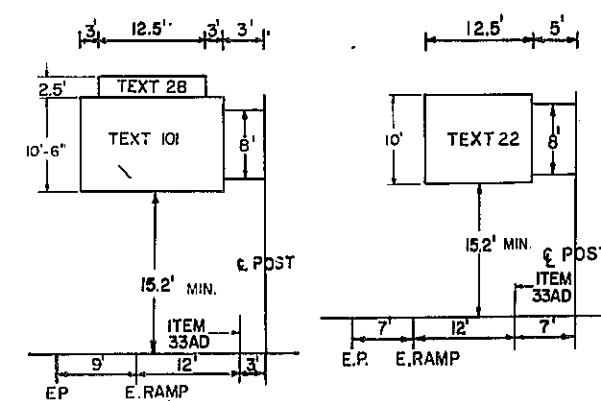
ITEM NO. 476-4
LOCATION NO. 143
FTG. LT. 8-J, RT. 9J
STA. 378+00 LT. ± = STA. 388+00 NB ±



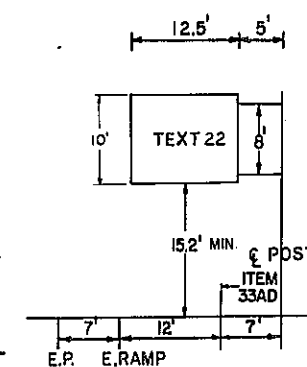
ITEM NO. 476-5
LOCATION NO. 141
FTG. LT. 7Q, RT. 12Q
STA. 136+90 ±



ITEM NO. 476-6
LOCATION NO. 144
FTG. LT. 11Q, RT. 8Q
STA. 167+50 LT. ±



ITEM NO. 474-1
LOCATION NO. 142
FTG. 11-L
STA. 151+50 LT. ±



ITEM NO. 471-2
LOCATION NO. 106
FTG. 7-J
STA. 368+20 SB ±

MADE BY

CHECKED BY

TRACED BY

CHECKED BY

SCALE 1" = 10'-0"

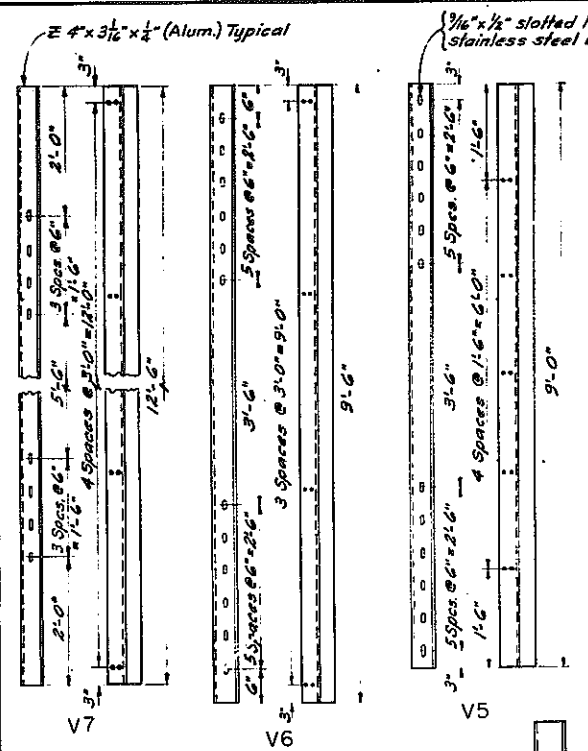
R. Ransom

R. Young

R. Young

R. Ransom

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		120	257
EUCLID-NORTH SYRACUSE, S.H.				
MATYDALE-BREWERTON, S.H. 57-G				
TRAFFIC SIGNS				

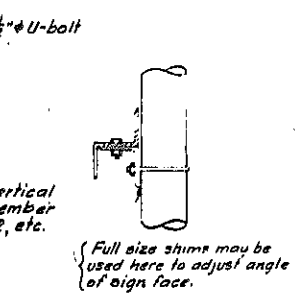
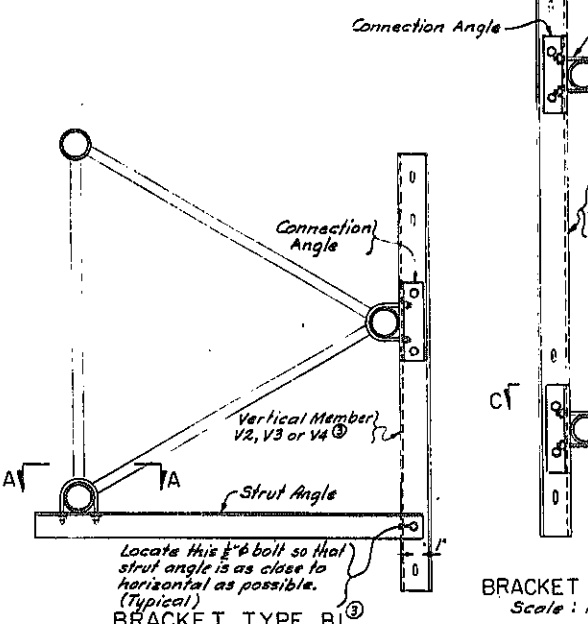
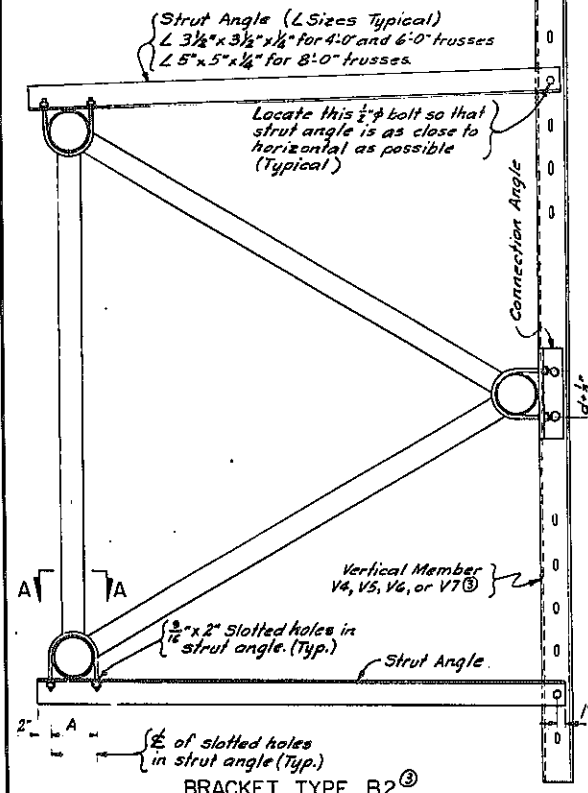


USE OF VERTICAL MEMBERS

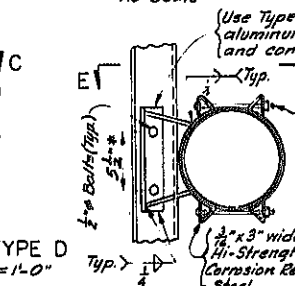
Arm or Chord Spacing	Single Arm	2'-6"	4'-0"	6'-0"	8'-0"
Up to 4'-0"	V1	V2	V3	V4 ^②	V5 ^②
4'-6" to 6'-0"	V1	V2	V3	V4	V5
6'-6" to 9'-0"	V4 ^③	V4 ^③	V4	V4	V5
9'-6" to 12'-0"			V6	V6	V6
12'-6" to 15'-0"				V7	V7

- ② Will require additional holes in flange.
- ③ Will require additional holes in web.

VERTICAL MEMBERS



SECTION C-C



BRACKET TYPE D

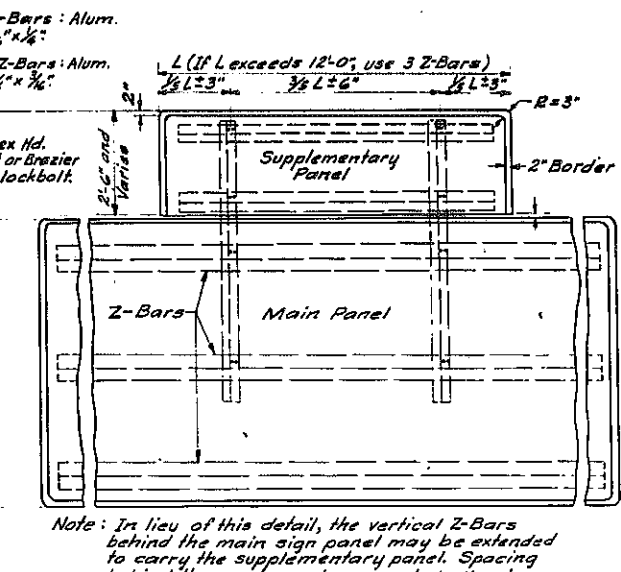
Scale: 1"=1'-0"

ALTERNATE CONNECTION

Scale: 1 1/2"=1'-0"

May be used in place of U-Bolt and Standard Connection Angles on galvanized steel arms.

* Spacing of 3/16" x 1/4" slotted holes in webs of vertical members may be varied to meet this dimension.



Note: In lieu of this detail, the vertical Z-Bars behind the main sign panel may be extended to carry the supplementary panel. Spacing behind the supplementary panel shall not exceed 12'-0" and the overhang shall not exceed 3'-0"

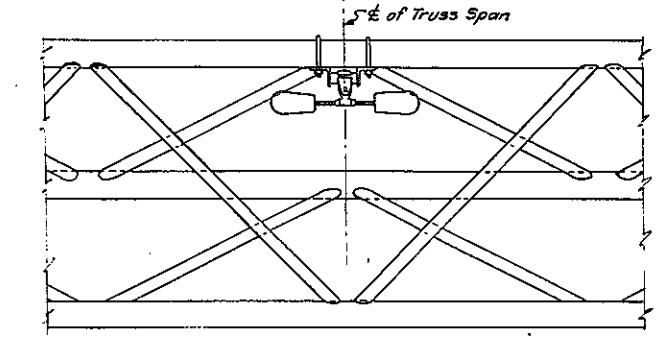
SUPPLEMENTARY EXIT NO. PANEL MOUNTING DETAILS

Not to Scale

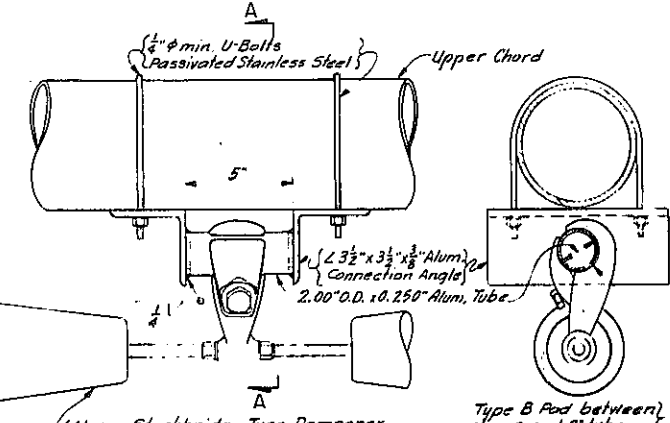
BRACKET	USE
Type S	Single Arms
Type D	Double Arms or Trusses
Type B1	For mounting on back of truss (with V2, V3 or V4 vertical members)
Type B2	For mounting on back of truss (with V4, V5, V6 or V7 vertical members)
Type B3	Type S mounted on back of truss (with V1 only)
Type S1	Single Arms or Single Beam where signs are illuminated.

Explanation of Bracket Code (3-V2-D)
 First number (3) is the number of Brackets required for the sign.
 Second symbol (V2) is the type of vertical bracket member required.
 Last symbol (D) is the type of bracket required.

Diagonals in the vertical truss should be located as shown. However dampener may be moved away from & of span slightly when attachment interferes with diagonal members.



ELEVATION SHOWING DAMPENER LOCATION
Not to Scale



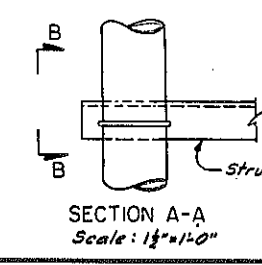
DAMPENER CONNECTION DETAILS
Not to Scale

NOTES

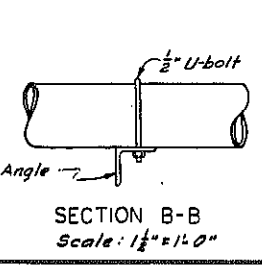
All vertical members, connection angles and strut angles are to be aluminum. Except as otherwise shown, all bolting material to be passivated stainless steel. Use a lockwasher and a flat washer with each nut or use an approved stop nut and flat washer. Sign panel units, vertical bracket, U-Bolt assemblies, and necessary hardware for attaching signs to structure to be paid for under Overhead Panel Item 471A (Typical).

- ① Dimension "a" = Chord or Arm Diameter + 1/2". Dimension "a" is the spacing of sign face stringers. To determine this dimension see the "Stringers and Batten" Table on Standard Sheet 68-67R2, Typical Guide Signs.
- ② Will require additional holes in flange.
- ③ Will require additional holes in web.
- ④ The number of holes shown are the minimum required. The 3/16" x 1/2" slotted holes in the web may be placed at 6" centers for the entire length of the member. The two 1/2" holes in the flange may be placed at 1'-6" centers for the length of the member.

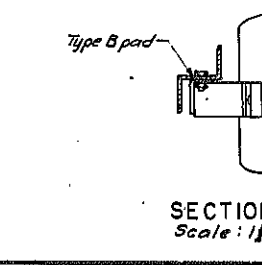
PROJECT ENGINEER
 IN CHARGE OF
 DESIGNED BY: Al. Rowan
 DESIGN CHECKED BY: B. Y. Jones
 DETAILED BY: Al. Rowan
 DETAIL CHECKED BY: R. Y. Jones



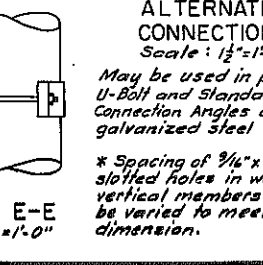
SECTION A-A
Scale: 1 1/2"=1'-0"



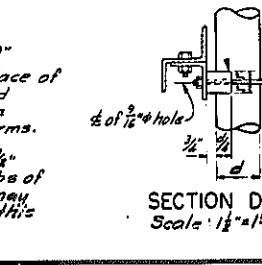
SECTION B-B
Scale: 1 1/2"=1'-0"



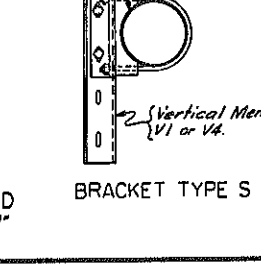
SECTION E-E
Scale: 1 1/2"=1'-0"



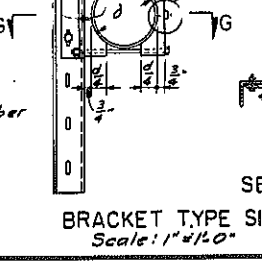
SECTION D-D
Scale: 1 1/2"=1'-0"



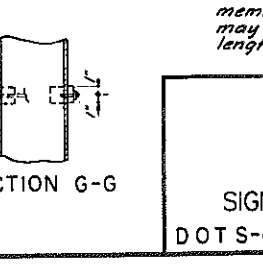
SECTION G-G



BRACKET TYPE S



BRACKET TYPE D



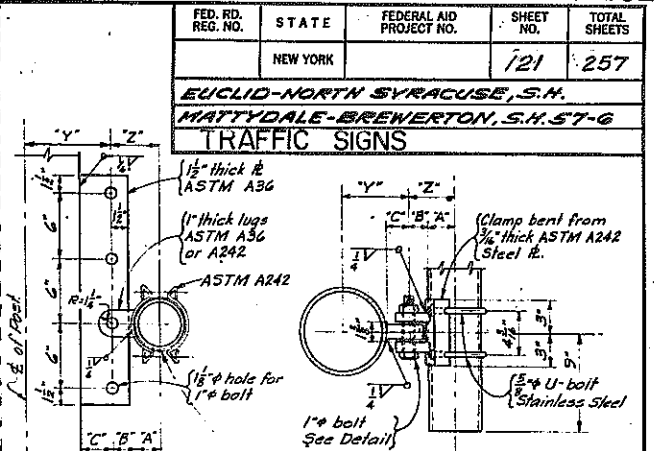
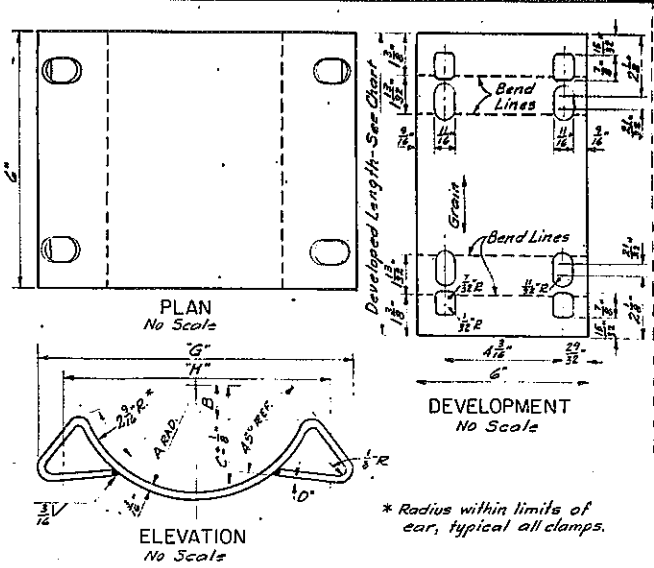
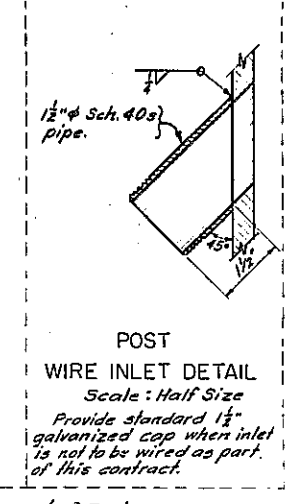
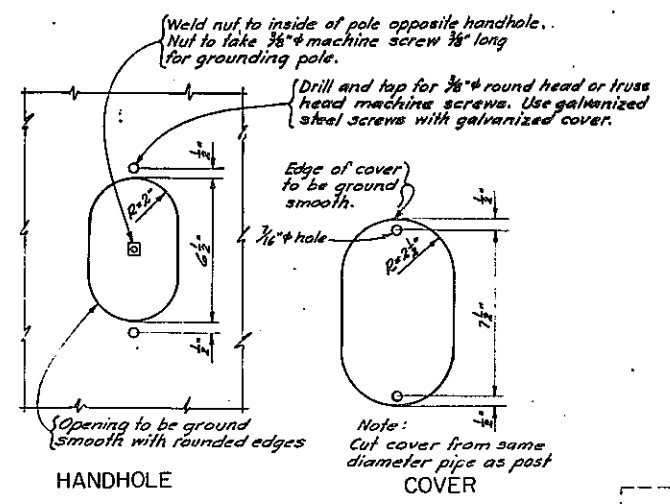
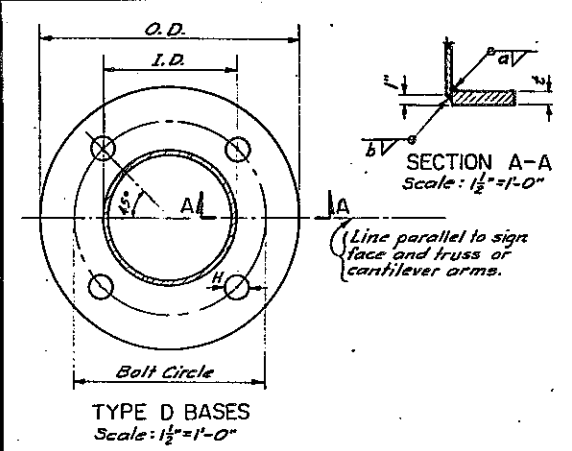
BRACKET TYPE B1

**SIGN BRACKETS
SIGN STRUCTURE DAMPENER**

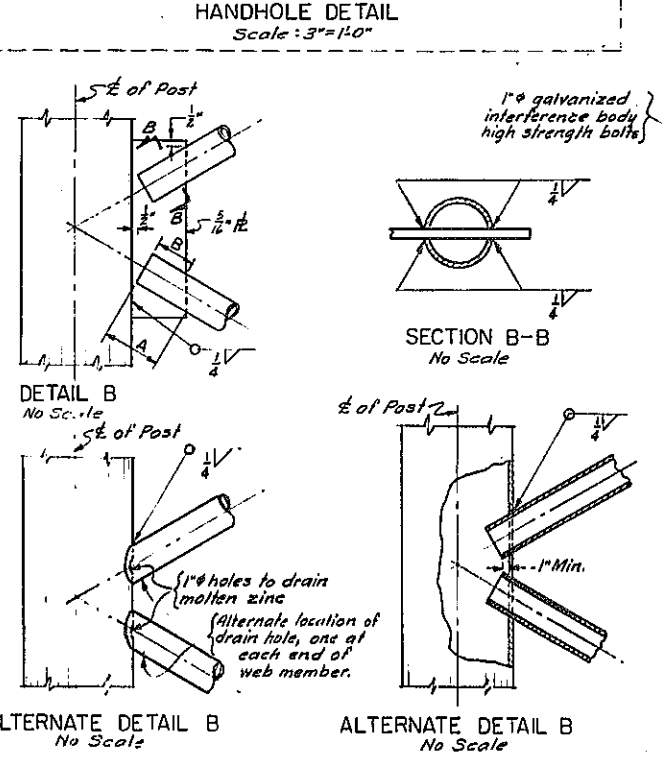
DOT S-49-68 DRAWING NO. OF

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		121	257

EUCLID-NORTH SYRACUSE, S.H.
MATTYDALE-BREWERTON, S.H. 57-6
TRAFFIC SIGNS

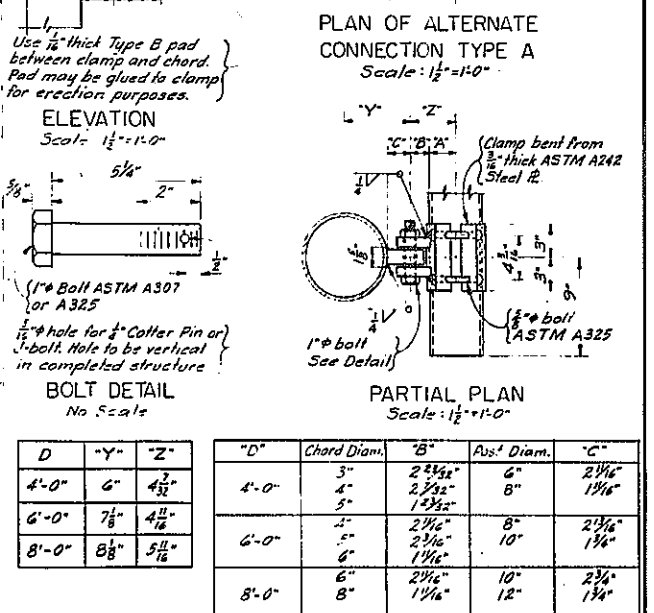


TYPE D BASES											
POST	BASE R. O. D.	BASE I. D.	MIN. E	BOLT CIRCLE	BOLT DIA.	HOLE DIA.	WELD a	WELD b			
6 Sch. 40s	14.0"	6 3/8"	1 3/8"	11 1/2"	1 3/8"	1 1/8"	3/8"	1/2"	1/2"	1/4"	
6 Sch. 80x	14.0"	6 3/8"	1 3/8"	11 1/2"	1 3/8"	1 1/8"	3/8"	3/8"	3/8"	3/8"	
8 Sch. 20	17.0"	8 3/8"	1 3/8"	13"	1 3/8"	2"	3/8"	1/2"	1/2"	1/4"	
8 Sch. 30	17.0"	8 3/8"	1 3/8"	13"	1 3/8"	2"	3/8"	3/4"	3/4"	3/4"	
8 Sch. 40s	17.0"	8 3/8"	1 3/8"	13"	1 3/8"	2"	3/8"	3/8"	3/8"	3/8"	
8 Sch. 60	18.0"	8 3/8"	1 3/8"	14"	2"	2 1/4"	3/8"	3/8"	3/8"	3/8"	
8 Sch. 80x	18.0"	8 3/8"	1 3/8"	14"	2"	2 1/4"	3/8"	3/8"	3/8"	3/8"	
10 Sch. 20	20.0"	10 3/8"	1 3/8"	16"	1 3/8"	2"	3/8"	3/8"	3/8"	3/8"	
10 Sch. 30	20.0"	10 3/8"	1 3/8"	16"	2"	2 1/4"	3/8"	3/8"	3/8"	3/8"	
10 Sch. 40s	20.0"	10 3/8"	1 3/8"	16"	2"	2 1/4"	3/8"	3/8"	3/8"	3/8"	
10 Sch. 60x	21.0"	10 3/8"	1 3/8"	17"	2 1/4"	2 3/4"	3/8"	3/8"	3/8"	3/8"	
10 Sch. 80	21.0"	10 3/8"	1 3/8"	17"	2 1/4"	2 3/4"	3/8"	3/8"	3/8"	3/8"	
12 Sch. 20	24.0"	12 3/8"	1 3/8"	19"	2"	2 1/4"	3/8"	3/8"	3/8"	3/8"	
12 Sch. 30	24.0"	12 3/8"	1 3/8"	19"	2 1/4"	2 1/4"	3/8"	3/8"	3/8"	3/8"	
12 Sch. 40	24.0"	12 3/8"	1 3/8"	19"	2 1/4"	2 1/4"	3/8"	3/8"	3/8"	3/8"	
12 Sch. 60x	25.0"	12 3/8"	1 3/8"	20"	2 1/4"	3"	3/8"	3/8"	3/8"	3/8"	
12 Sch. 80	25.0"	12 3/8"	1 3/8"	20"	2 1/4"	3"	3/8"	3/8"	3/8"	3/8"	
14 Sch. 10	25.0"	14"	1 3/8"	20"	2"	2 1/4"	3/8"	3/8"	3/8"	3/8"	
14 Sch. 20	25.0"	14"	1 3/8"	20"	2 1/4"	2 1/4"	3/8"	3/8"	3/8"	3/8"	
14 Sch. 30s	27.0"	14"	1 3/8"	22"	2 1/4"	2 1/4"	3/8"	3/8"	3/8"	3/8"	
14 Sch. 40	27.0"	14"	2 1/8"	22"	2 1/4"	2 1/4"	3/8"	3/8"	3/8"	3/8"	
16 Sch. 10	27.0"	16"	1 3/8"	22"	2 1/4"	2 1/4"	3/8"	3/8"	3/8"	3/8"	
16 Sch. 20s	29.0"	16"	2 1/8"	23 1/2"	2 1/4"	2 1/4"	3/8"	3/8"	3/8"	3/8"	
16 Sch. 40x	29.0"	16"	2 1/8"	23 1/2"	3"	3 1/4"	3/8"	3/8"	3/8"	3/8"	
18 Sch. 10	30.0"	18"	1 3/8"	24 1/2"	2 1/4"	2 1/4"	3/8"	3/8"	3/8"	3/8"	
18 Sch. 20	30.0"	18"	2 1/8"	24 1/2"	2 3/8"	3"	3/8"	3/8"	3/8"	3/8"	
18 Sch. 40x	32.0"	18"	2 1/8"	26"	3"	3 1/4"	3/8"	3/8"	3/8"	3/8"	
20 Sch. 30x	33.0"	20"	2 1/8"	28"	3 1/4"	3 1/4"	3/8"	3/8"	3/8"	3/8"	



CHORD DIAM.	DEVELOPED LENGTH	DIMENSIONS						BOLT LENGTH
		A	B	C	D	G	H	
3	10 5/8"	1 1/2"	1/2"	1 1/8"	7"	5 1/2"	4 3/8"	4"
4	11 1/4"	2 1/4"	3/8"	2 1/8"	7 1/2"	6 1/8"	5 1/8"	5"
5	12 3/8"	2 3/4"	3/8"	2 3/8"	7"	7 1/4"	5 7/8"	5"
6	13 1/4"	3"	3/8"	2 3/4"	5"	8"	6 3/8"	6"
8	16 1/8"	4 1/8"	1 3/8"	2 3/4"	3 1/2"	10 3/8"	8 1/8"	7"

CLAMP DETAILS

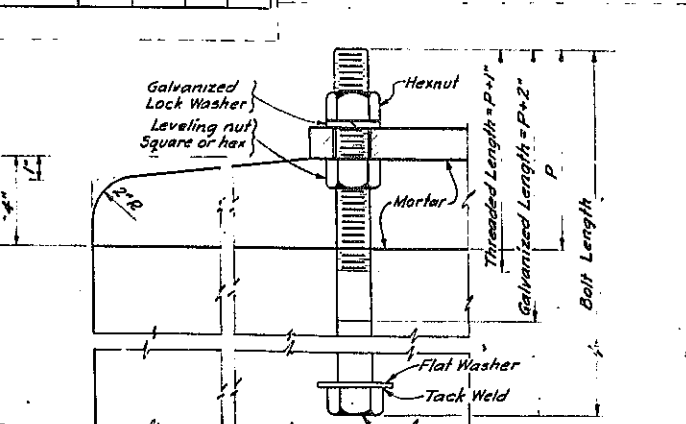


D	"Y"	"Z"
4'-0"	6"	4 1/2"
6'-0"	7 1/2"	4 1/2"
8'-0"	8 1/2"	5 1/2"

"D"	Chord Diam.	"B"	Avg. Diam.	"C"
4'-0"	3"	2 3/16"	6"	2 1/4"
4'-0"	4"	2 3/16"	8"	1 3/8"
6'-0"	5"	2 3/16"	8"	2 1/4"
6'-0"	6"	2 3/16"	10"	1 3/8"
8'-0"	6"	2 3/16"	10"	2 1/4"
8'-0"	8"	1 1/8"	12"	1 3/8"

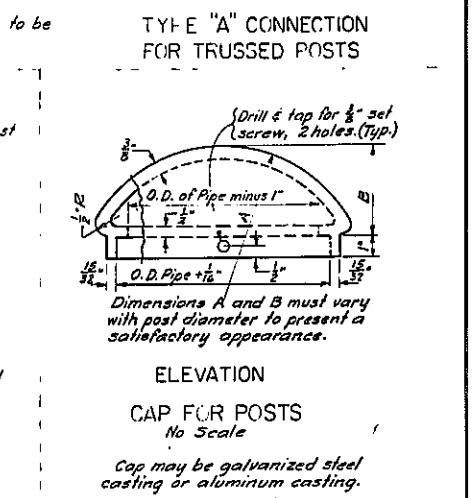
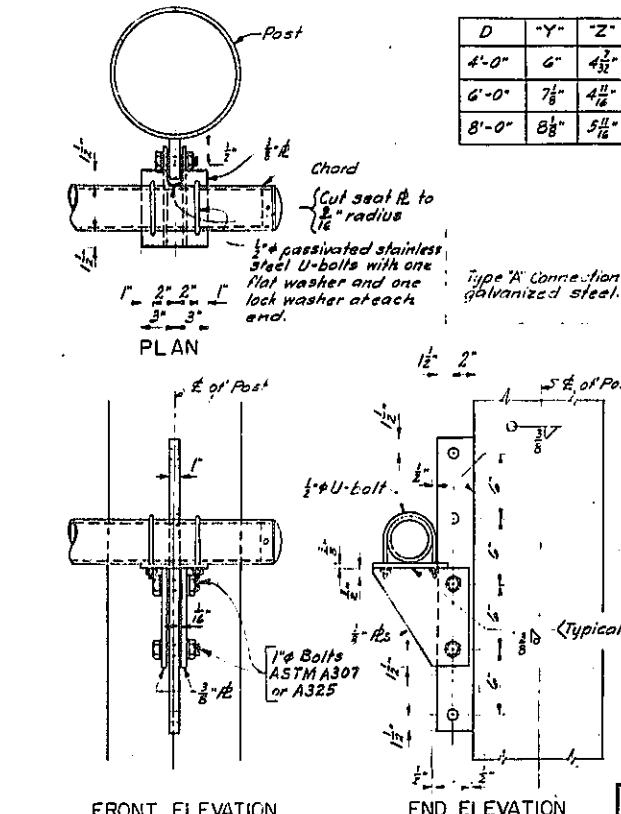
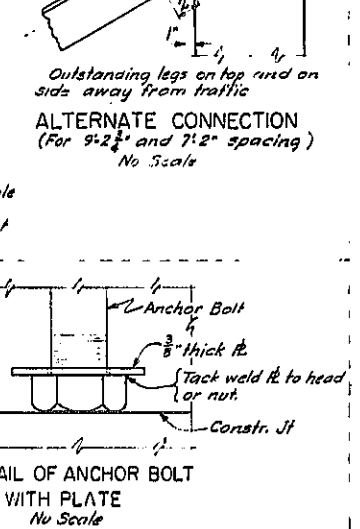
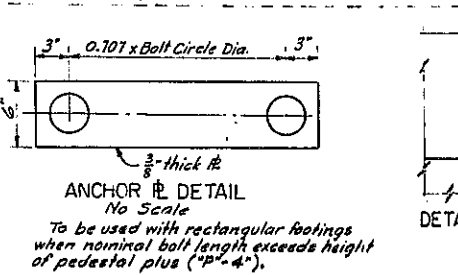
A" = 1/2 Chord Diameter
B" = Z" - (1/2 Chord Diameter)
C" = Y" - (1/2 Post Diameter)

ANCHOR BOLTS			
BOLT DIA	BOLT LENGTH	P	
1 1/2"	4'-2"	8"	
1 1/2"	4'-6"	9"	
1 3/4"	5'-1"	9"	
2"	5'-10"	10"	
2 1/4"	6'-6"	10"	
2 1/2"	7'-2"	10"	
2 3/4"	7'-10"	11"	
3"	8'-6"	11"	
3 1/2"	9'-2"	12"	



PIPE SIZE	DIAGONALS *		WELD LENGTH A+B
	ANGLE SIZE	(Do not use)	
5'-2"	1 1/2" Sch. 40s		5"
7'-2"	2" Sch. 80x	4" x 4" x 1/2"	10"
9'-2 1/2"	3" Sch. 40s	5" x 5" x 5/8"	14"

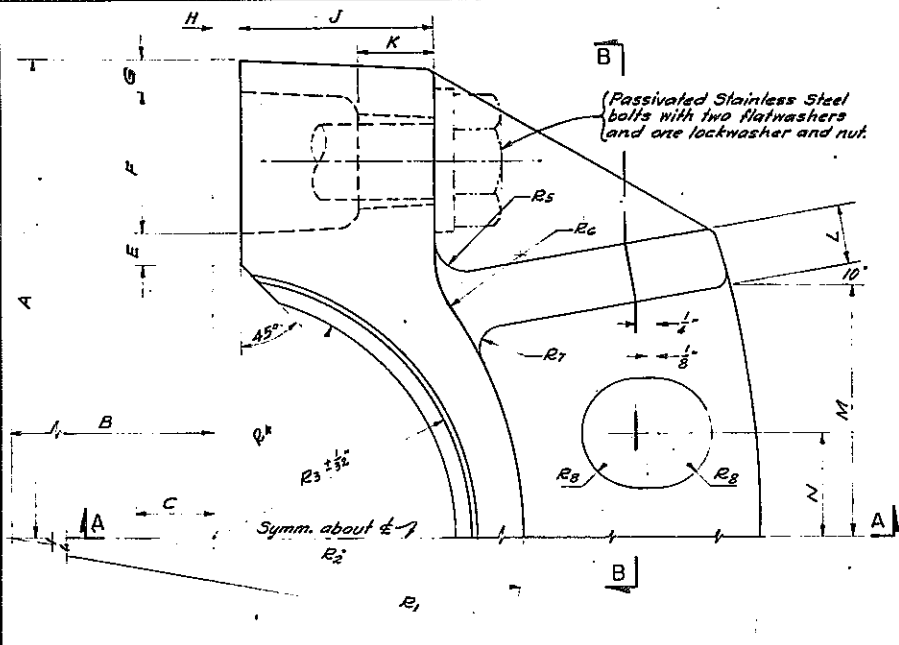
* Use pipe when assembly is to be single dip galvanized.
Use welded angles when assembly is to be double dip galvanized.
Use bolted angles only when assembly cannot be double dip galvanized.



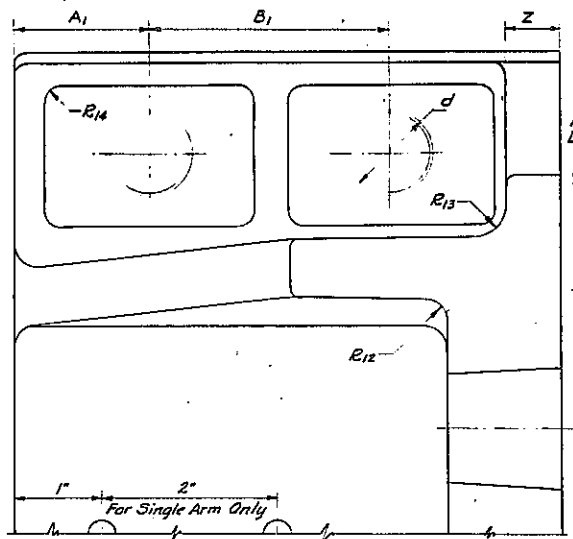
PROJECT ENGINEER
IN CHARGE OF: *H. Ellwood*
DESIGNED BY: *R. Ellwood*
DESIGN CHECKED BY: *R. Ellwood*
DETAILED BY: *R. Ellwood*
DETAIL CHECKED BY: *R. Ellwood*

When used with pedestals on rectangular footings these anchor bolts may be shortened if necessary so that the lower end rests on the top of the rectangular footing. 3/8" thick anchor plates will be required, see detail at right.

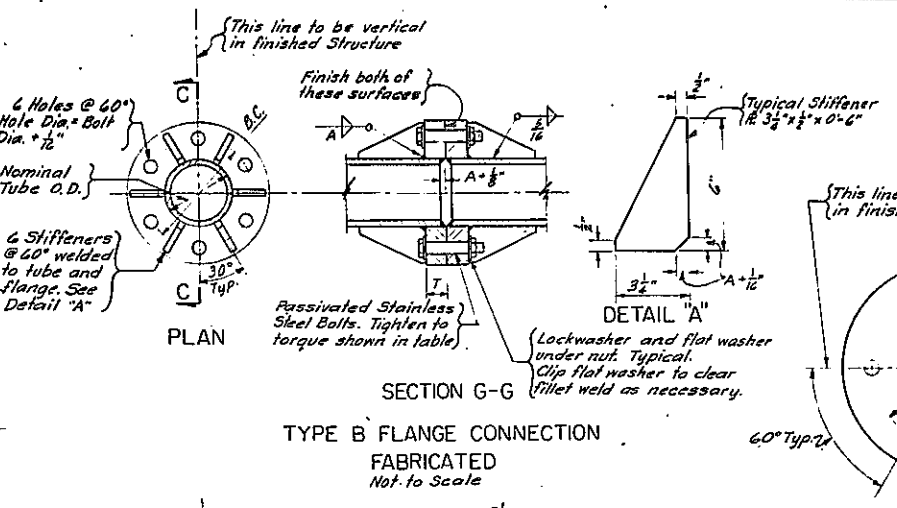
FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		122	257
EUCLID-NORTH SYRACUSE, S.H.				
MATYDALE-BREWERTON, S.H. 57-6				
TRAFFIC SIGNS				



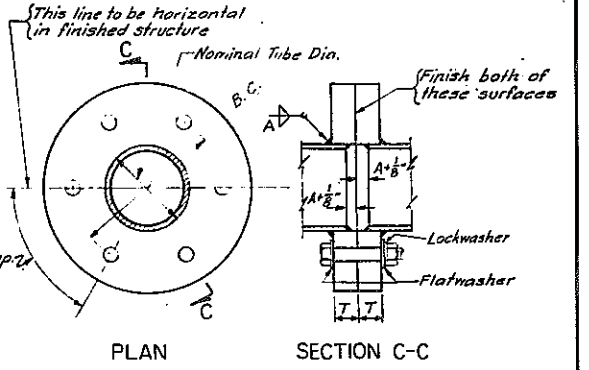
PLAN OF 4, 6, 8, 10 INCH ARM CONNECTION
No Scale



SECTION B-B FOR 4 & 6 INCH ARM CONNECTION
No Scale

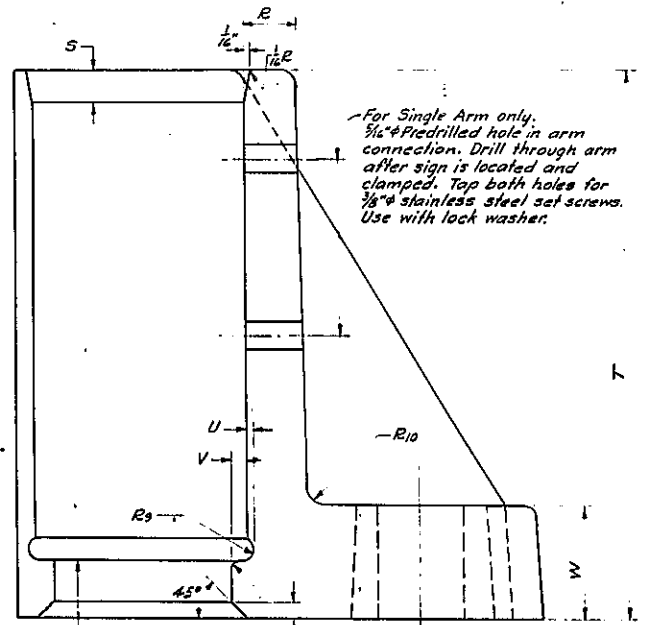


TYPE B FLANGE CONNECTION FABRICATED
Not to Scale

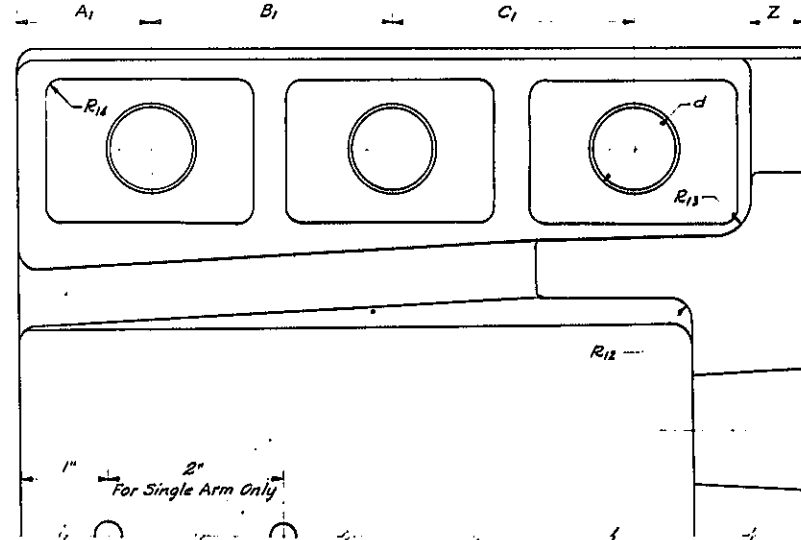


TYPE A FLANGE CONNECTION
Scale: 3"=1'-0"
All bolts are Passivated Stainless Steel

Note
All fillets and radii not shown are 1/8" minimum. Use 3° draft.



SECTION A-A
No Scale



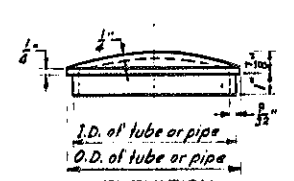
SECTION B-B FOR 8, 10 INCH ARM CONNECTION
No Scale

TYPE B FLANGE CONNECTION CAST
Not to Scale

	CHORD SIZE	FLANGE			BOLT DIA.	BOLT CIRCLE	BOLT TORQUE FT. LBS.
		A	O.D.	T			
FABRICATED FLANGE	5" x 1/2"	3/8"	10 1/2"	1"	3/4"	8"	75
	6" x 1/2"	3/8"	11 1/2"	1 1/4"	3/4"	9"	75
	8" x 1/2"	3/8"	13 1/2"	1 1/2"	3/8"	11"	75
	8" x 3/8"	1/2"	13 1/2"	1 1/2"	1"	11"	100
	8" x 3/4"	3/8"	13 1/2"	1 1/2"	1"	11"	150
CAST FLANGE	5" x 1/2"	1/2"	13"	1 1/4"	3/4"	10"	100
	6" x 1/2"	1/2"	14"	1 1/2"	3/8"	11"	100
	8" x 1/2"	1/2"	16"	1 1/2"	3/8"	13"	100
	8" x 3/8"	3/8"	16"	1 1/2"	1"	13"	150
	8" x 3/4"	3/4"	16"	1 1/2"	1"	13"	200

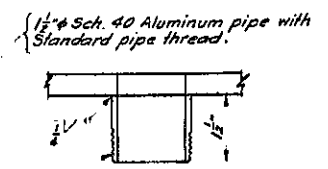
CHORD SIZE	FLANGE			BOLT DIA.	BOLT CIRCLE	BOLT TORQUE FT. LBS.
	"A"	O.D.	"T"			
3" x 3/16"	3/16"	7"	3/8"	1/2"	5"	100
3" x 1/4"	1/4"	7"	3/8"	1/2"	5"	100
3" x 5/16"	5/16"	7"	3/8"	1/2"	5"	100
4" x 1/4"	1/4"	8 1/2"	3/8"	3/8"	6 1/2"	150
4" x 3/16"	3/16"	8 1/2"	3/8"	3/8"	6 1/2"	150
4" x 1/2"	1/2"	8 1/2"	3/8"	3/8"	6 1/2"	150
4" x 3/8"	3/8"	8 1/2"	3/8"	3/8"	6 1/2"	150
5" x 3/16"	3/16"	9 1/2"	1"	3/8"	7 1/2"	150
5" x 3/8"	3/8"	9 1/2"	1"	3/8"	7 1/2"	150
6" x 1/4"	1/4"	11 1/2"	1 1/2"	3/8"	9"	200
6" x 3/16"	3/16"	11 1/2"	1 1/2"	3/8"	9"	200
6" x 1/2"	1/2"	11 1/2"	1 1/2"	3/8"	9"	200
6" x 3/8"	3/8"	11 1/2"	1 1/2"	3/8"	9"	200
8" x 1/4"	1/4"	13 1/2"	1 1/2"	3/4"	11"	200
8" x 3/16"	3/16"	13 1/2"	1 1/2"	3/4"	11"	200
8" x 1/2"	1/2"	13 1/2"	1 1/2"	3/4"	11"	200

* Cast flanges may be used. All dimensions will be the same except that the thickness "T" shall be 1/4" greater in each case.



ELEVATION CAP FOR ARMS
No Scale

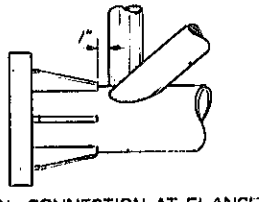
Alternate caps may be submitted to the Deputy Chief Engineer for approval.



WIRE INLET DETAIL FOR TRUSS OR CHORD
Scale Half Size

	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	d	Clamp Bolts
4" Diameter	7 1/2"	3 1/2"	2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"
6" Diameter	12"	4 1/2"	3"	2 1/2"	2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"
8" Diameter	16 1/2"	5 1/2"	4"	3 1/2"	2 1/2"	2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"
10" Diameter	19 1/2"	7"	5"	4 1/2"	3 1/2"	2 1/2"	2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"

	A	B	C	D	E	F	G	H	J	K	L	M	N	R	S	T	U	V	W	X	Y	Z	A1	B1	C1	Flange Bolts		
4" Diameter	4 1/2"	3 1/2"	4"	3 1/2"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	
6" Diameter	5 1/2"	5 1/2"	5 1/2"	5 1/2"	5 1/2"	5 1/2"	5 1/2"	5 1/2"	5 1/2"	5 1/2"	5 1/2"	5 1/2"	5 1/2"	5 1/2"	5 1/2"	5 1/2"	5 1/2"	5 1/2"	5 1/2"	5 1/2"	5 1/2"	5 1/2"	5 1/2"	5 1/2"	5 1/2"	5 1/2"	5 1/2"	
8" Diameter	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"
10" Diameter	7 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"



TYPICAL CONNECTION AT FLANGE
No Scale

ALUMINUM COMPONENTS AND CONNECTION DETAILS

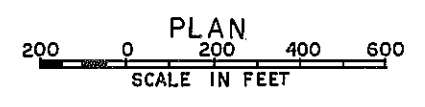
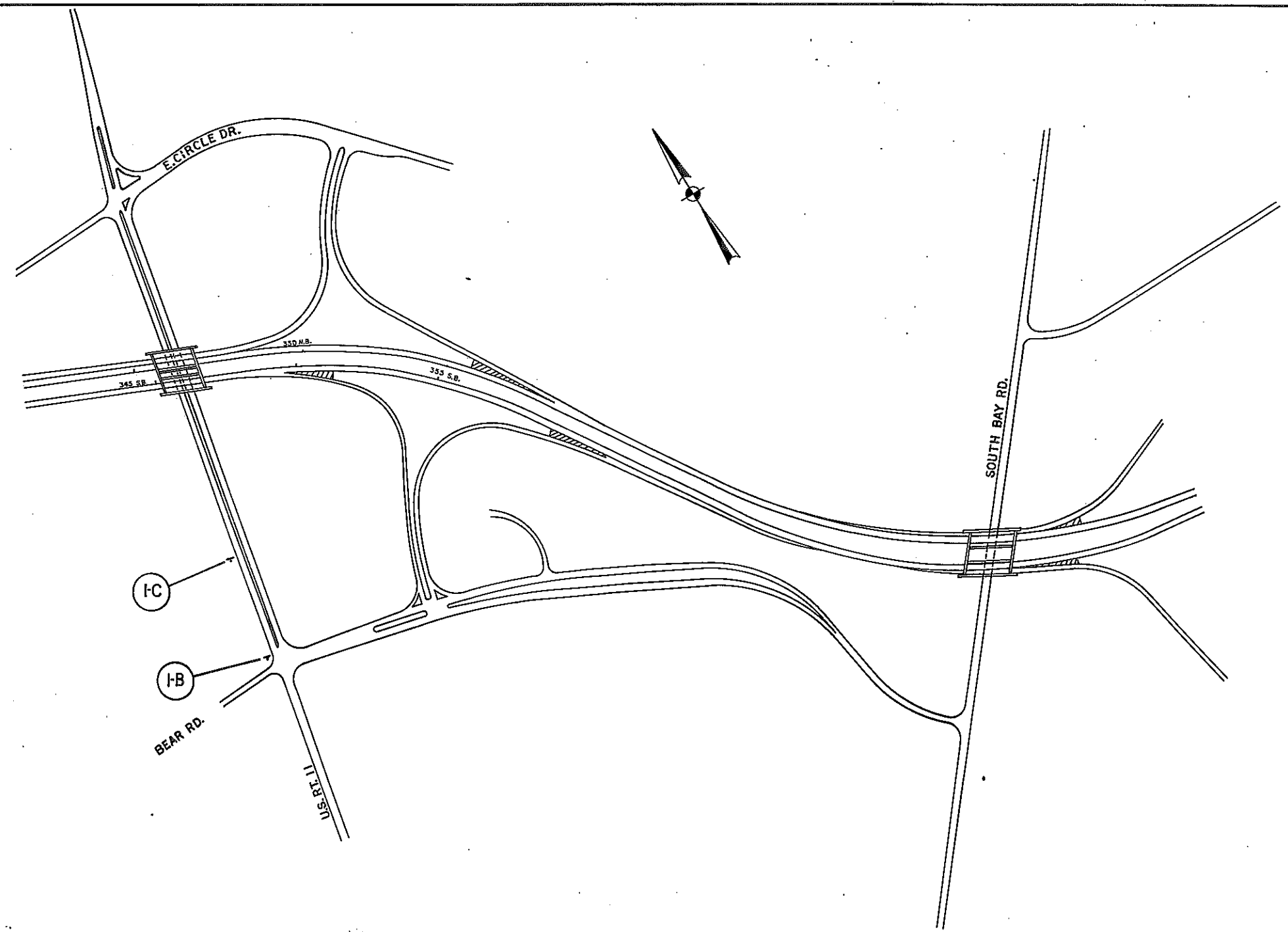
PROJECT ENGINEER
IN CHARGE OF
DESIGNED BY
DESIGN CHECKED BY
DETAILED BY
DETAIL CHECKED BY

FED RD RES NO	STATE	FED. AID PROG NO	SHEET NO	TOTAL SHEETS
			723	257
EUCLID-NORTH SYRACUSE, S.H.				
MATTYDALE-BREWERTON, S.H. ST-6				
TRAFFIC SIGNS.				

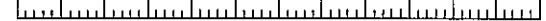
EXISTING SIGN LOCATION						
LOCATION	TYPE	ITEM				
		480A	480B	480C	481	RETAIN
1A	GUIDE SIGNS					
1B	ROUTE MARKER (15 SF)					
1C	" " (5 SF)					
2	GUIDE SIGNS					
3	" "					
4	" "					
5	" "					
6	" "					
7	" "					
8	" "					

MADE BY Al Binkow CHECKED BY R. Young
 TRACED BY R. Young CHECKED BY Al Binkow

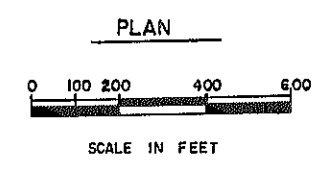
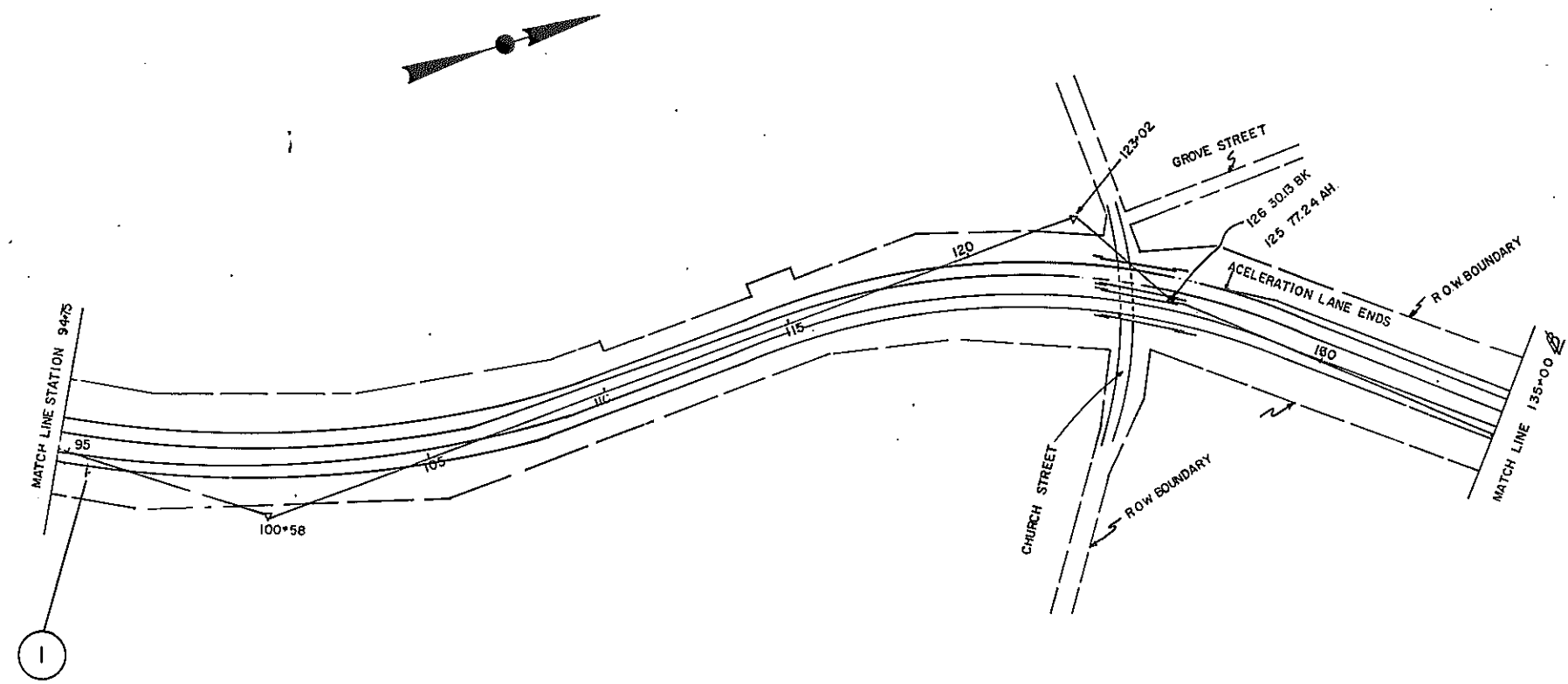
FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	N.Y.		124	257
SYRACUSE-CICERO, S.H. 5470				
TRAFFIC SIGNS				



MADE BY Ch. Rainbow CHECKED BY R. Young
 TRACED BY R. Young CHECKED BY Ch. Rainbow



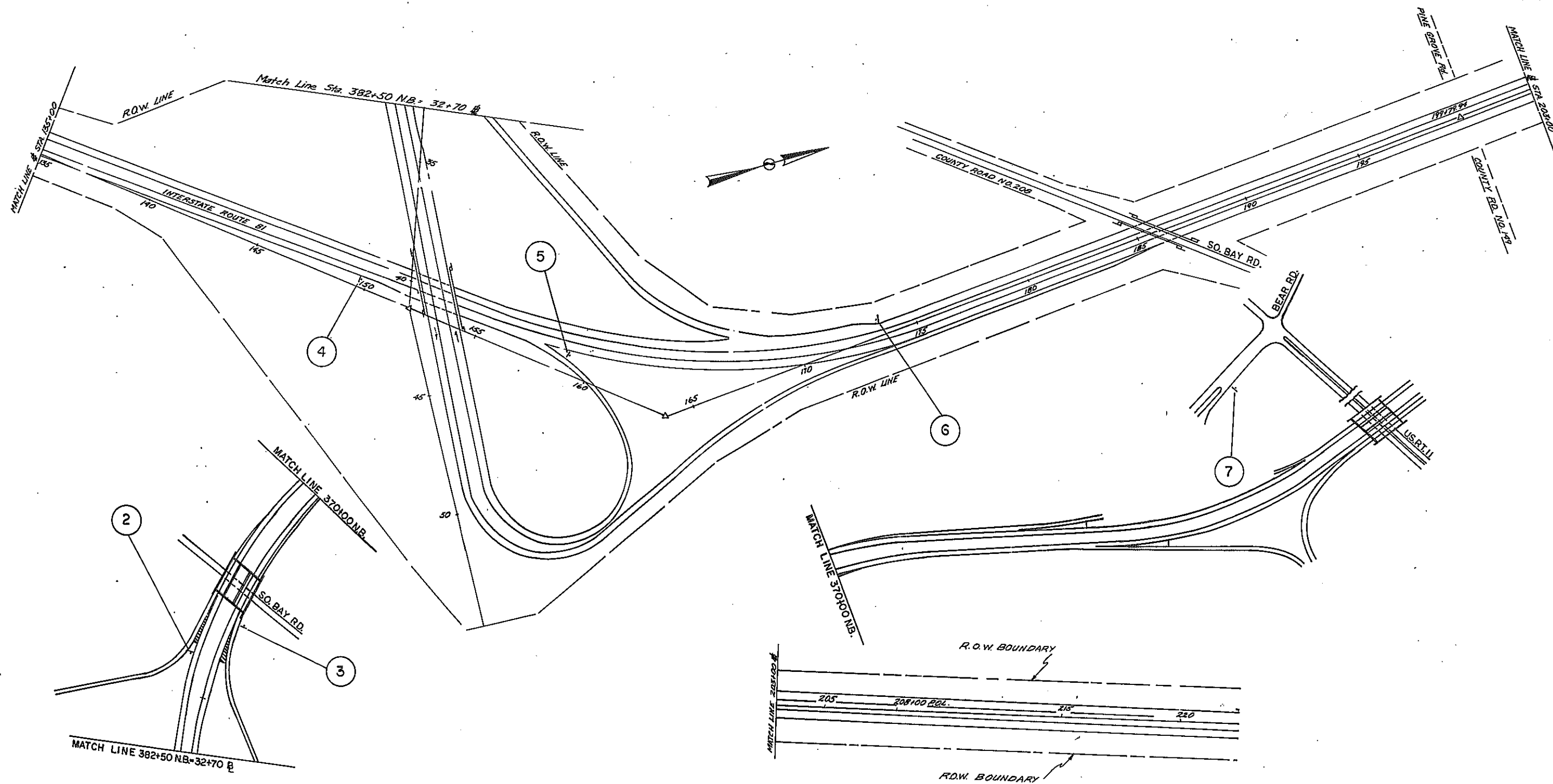
FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	NY		125	257
MATTYDALE-BREWERTON, S.H. 57-6				
TRAFFIC SIGNS				



MADE BY CHECKED BY TRACED BY CHECKED BY
G. R. ... *H. ...* *D.A. MILLER* *...*

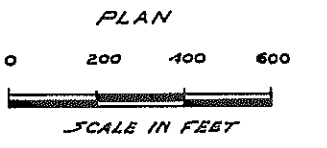
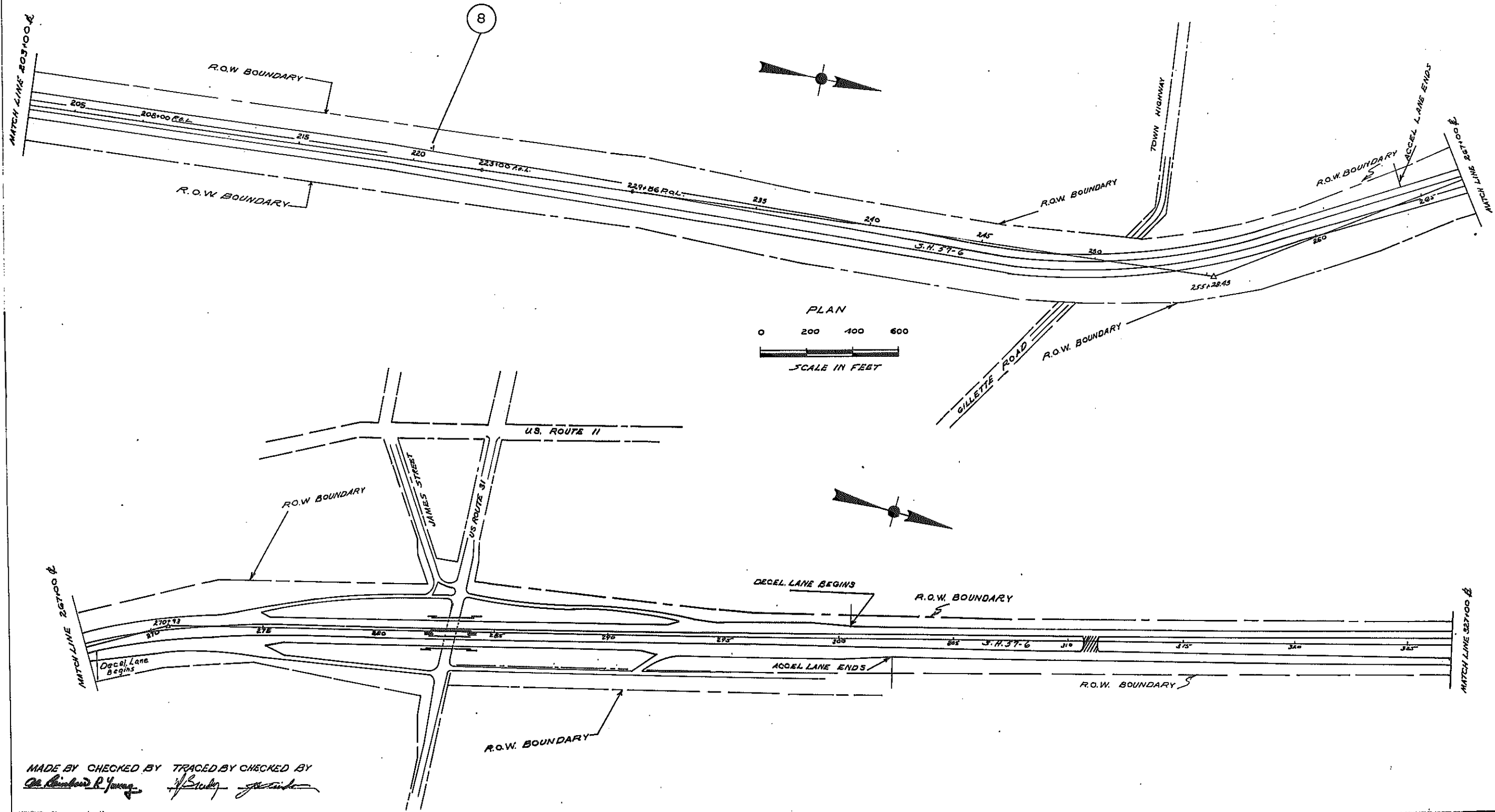
FED. RD. REG. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
			126	257

EUCLID-NORTH SYRACUSE, S.H.
 NATTYDALE-BREWERTON, S.H. 57-6
 TRAFFIC SIGNS



MADE BY CHECKED BY TRACED BY CHECKED BY
Al Baird *James E. Hopton* *R. Deacon*

FED. RD. REG. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
			127	257
MATTYDALE-BREWERTON, S.H. 57-6				
TRAFFIC SIGNS				



MADE BY CHECKED BY TRACED BY CHECKED BY
Richard P. Young *[Signature]* *[Signature]* *[Signature]*

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	NEW YORK		128	257
SYRACUSE-CICERO, S.H. 5470				
TRAFFIC SIGNALS				

BILL OF MATERIALS TRAFFIC SIGNALS

DESCRIPTION	SUBBASE COARSE SELECT GRANULAR MATERIAL	TRENCH AND CULVERT EXCAVATION	CLASS B CONCRETE FOR STRUCTURES	FRAMES AND GRATES - CASTING (3.3 SQ. FT.)	PULL BOXES	TWO PHASE FULL TRAFFIC ACTUATED SOLID STATE CONTROLLER	THREE PHASE FULL TRAFFIC ACTUATED SOLID STATE CONTROLLER	DOUBLE CLEARANCE TIMER		TRAFFIC SIGNAL HEAD, ONE WAY, FACE A	TRAFFIC SIGNAL HEAD, TWO WAY FACES A, A	TRAFFIC SIGNAL HEAD, FOUR WAY, FACES A, A, A, C	TRAFFIC SIGNAL HEAD, TWO WAY FACES A, C	INDUCTANCE LOOP VEHICLE DETECTOR UNIT	WIRE LOOP FOR INDUCTANCE LOOP VEHICLE DETECTOR 20' - 40' PERIMETER	WIRE LOOP FOR INDUCTANCE LOOP VEHICLE DETECTOR OVER 40' PERIMETER	CABLE FOUR CONDUCTOR NO. 14
ITEM NO	4	5 T	20	30 CI	102 DRS	200 S2B	200S3B	201C		202 A	202 AA	202AAAC	202 AC	203 ID	203ILA	203ILB	204 A
UNIT	C.Y.	C.Y.	C.Y.	S.F.	L.F.	EA.	EA.	EA.		EA.	EA.	EA.	EA.	EA.	EA.	EA.	L.F.
SIGNAL # 94	11.0	90.0	10.0	26.4	28.0		1			2		1	1	5	12	8	1,070.0
SIGNAL # 160	11.0	90.0	10.0	26.4	28.0	1		1		2	1	1		4	6	10	870.0
NEAT	22.0	180.0	20.0	52.8	56.0	1	1	1		4	1	2	1	9	18	18	1940.0

DESCRIPTION	CABLE TWELVE CONDUCTOR NO. 14	POWER CABLE TWO CONDUCTOR NO. 10	SPAN WIRE ASSEMBLY TWO POINTS OF ATTACHMENT	STEEL SIGNAL POLE 36 FEET LONG	REMOVING EXISTING STEEL POLE	3" GALVANIZED STEEL CONDUIT	CONCRETE SIDEWALK
ITEM NO	204 B	204 D	205-2	206-36	216 R	422-3	105
UNIT	L.F.	L.F.	EA.	EA.	EA.	L.F.	C.Y.
SIGNAL # 94	210	50	1	2	2	280	1.0
SIGNAL # 160	210	50	1	2		280	1.0
NEAT	420	100	2	4	2	560	2.0

MADE BY CHECKED BY TRACED BY CHECKED BY
R. Robinson *R. Young* *R. Robinson*

FIELD CHANGE
 SHEET 128FI VOIDS ALL OF
 ORIGINAL SHEET 128

FED. RD. REG. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	N. Y.		128FI	261
SYRACUSE - CICERO, SH 5470				
TRAFFIC SIGNALS				

BILL OF MATERIALS TRAFFIC SIGNALS

DESCRIPTION	SUBBASE COARSE SELECT GRANULAR MATERIAL	TRENCH AND CULVERT EXCAVATION	CLASS B CONCRETE FOR STRUCTURES	FRAMES AND GRATES - CASTING (3.3 SQ. FT.)	PULL BOXES	THREE PHASE FULL TRAFFIC ACTUATED SOLID STATE CONTROLLER	EIGHT PHASE FULL TRAFFIC ACTUATED SOLID STATE CONTROLLER	CALLING DETECTOR RELAY	TRAFFIC SIGNAL HEAD, TWO WAY FACES A,A	TRAFFIC SIGNAL HEAD, TWO WAY FACES A,C	TRAFFIC SIGNAL HEAD, TWO WAY FACES, C,C	TRAFFIC SIGNAL HEAD, THREE WAY FACES A,A,C	TRAFFIC SIGNAL HEAD, ONE WAY FACE A	INDUCTANCE LOOP VEHICLE DETECTOR UNIT	WIRE LOOP FOR INDUCTANCE LOOP VEHICLE DETECTOR 20' - 40' PERIMETER	WIRE LOOP FOR INDUCTANCE LOOP VEHICLE DETECTOR OVER 40' PERIMETER	CABLE FOUR CONDUCTOR NO. 14
ITEM NO.	4	5T	20	30 CI	102 DRS	200S3B	200S8	200CDR	202AA	202AC	202CC	202AAC	202A	2031D	2031LA	2031LB	204A
UNIT	C.Y.	C.Y.	C.Y.	S.F.	L.F.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	LF.
SIGNAL NO. 94	15	200	11	52.8	56		1	3	1	1	2			10	10	4	4,150
SIGNAL NO. 160	15	140	10	33.0	38.5	1		2	2			1	1	5	9		2,050
TOTAL	30	340	21	85.8	94.5	1	1	5	3	1	2	1	1	15	19	4	6,200

DESCRIPTION	CABLE TWELVE CONDUCTOR NO. 14	CABLE NINETEEN CONDUCTOR NO. 14	POWER CABLE TWO CONDUCTOR NO. 10	SPAN WIRE TWO ASSEMBLY TWO POINTS OF ATTACHMENT	CLASS A CONCRETE FOR STRUCTURES	STEEL SIGNAL POLE 38 FEET LONG	BAR REINFORCEMENT FOR STRUCTURES	3" GALVANIZED STEEL CONDUIT	CONCRETE SIDEWALK	SELECT GRANULAR FILL
ITEM NO.	204B	204194	204D	205-2	18	206-38	28	422-3	105	2EFB
UNIT	L.F.	L.F.	L.F.	EA.	C.Y.	EA.	LB.	L.F.	C.Y.	C.Y.
SIGNAL NO. 94		250	50	1	2.5	2	115	840	1.0	8
SIGNAL NO. 160	260		50	1		2		590	1.0	3
TOTAL	260	250	100	2	2.5	4	115	1,430	2.0	11

APPROVED
 PAUL D. SMITH
 Asst. Deputy Chief Engineer

* NEW ITEM

NOTES
 (1) SEE SHEET NO. 128F2 FOR CONTINUATION OF BILL OF MATERIALS & QUANTITY CHANGES
 (2) THIS FIELD CHANGE INVOLVES THE FOLLOWING FIELD CHANGE SHEETS: 128F1, 128F2, 129F1, 130F1
 The approval signatures on this sheet approve all of the aforementioned Field Change sheets.

PREPARED PURSUANT TO THE HIGHWAY LAW AND RECOMMENDED BY *[Signature]* REGIONAL DIRECTOR REGION NO. 3 DATE 29 Sept 1970

ITEM NO.	UNIT	QUANTITY CHANGES DUE TO FIELD CHANGE	
		INCREASE	DECREASE
2EFB	C.Y.	11	
4	C.Y.	8	
5T	C.Y.	160	
20	C.Y.	1	
30CI	S.F.	33	
102DRS	L.F.	385	
200S2B	EA.		1
* 200S8	EA.	1	
201C	EA.		1
202A	EA.		3
202AA	EA.	2	
* 202AAC	EA.	1	
202AAAC	EA.		2
* 202CC	EA.	2	
2031D	EA.	6	
2031LA	EA.	1	
2031LB	EA.		14
204A	LF.	4260	
204B	LF.		160
* 204194	L.F.	250	
206-36	EA.		4
* 206-38	EA.	4	
216-R	EA.		2
422-3	L.F.	870	
* 471A1	EA.	1	
* 200CDR	EA.	5	
* 471A2	EA.		
* 471A3	EA.		

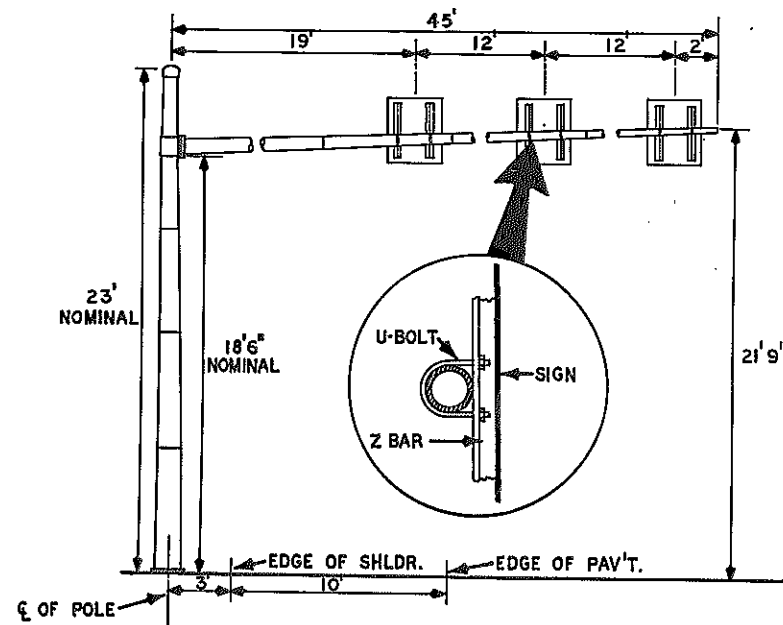
DESIGNED BY: CHECKED BY: DATED: REVIEWED BY: DATED: IN CHARGE OF:

DESIGNER *[Signature]* TRACED BY *[Signature]* CHECKED BY *[Signature]*

FED. RD. REG. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	N. Y.		128 F2	261
SYRACUSE-CICERO			SH 5470	
TRAFFIC SIGNALS				

FIELD CHANGE
 SHEET 128 F2 SUPPLEMENTS
 SHEET 128 F1

SIGN MAST ARM POLE ASSEMBLY



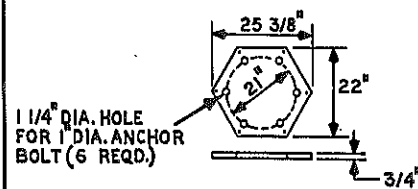
QUANTITY CHANGES DUE TO FIELD CHANGE			
ITEM NO	UNIT	QUANTITY	
		INCREASE	DECREASE
* 499CS	EA.	1	
18	CY.	2.5	
28	LB.	115	
33AD	L.F.	57.6	
33ADDR	EA.	2	
33ADY	L.F.	72	

DESCRIPTION	TRAFFIC SIGN R-25L *	TRAFFIC SIGN R-25C *	TRAFFIC SIGN R-25R *	SIGN MAST ARM POLE ASSEMBLY	BOX BEAM GUIDE RAIL (4 FT. POST SPACING)	BOX BEAM GUIDE RAIL END ASSEMBLY	BOX BEAM GUIDE RAIL (SHOP CURVED)
	ITEM NO.	471A1	471A2	471A3	499CS	33AD	33ADDR
UNIT	EA.	EA.	EA.	EA.	L.F.	EA.	L.F.
SIGNAL NO. 94					48 (MEASURED) 57.6 (PAY)	2	72
SIGNAL NO. 160							
TOTAL					48 (MEASURED) 57.6 (PAY)	2	72

BILL OF MATERIALS

* REFER TO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES

NOTE - ITEM "499CS" IS TO BE FURNISHED COMPLETE WITH ALL NECESSARY HARDWARE, INCLUDING ANCHOR BOLTS & U-BOLT SIGN CLAMPS.



BASE DETAIL

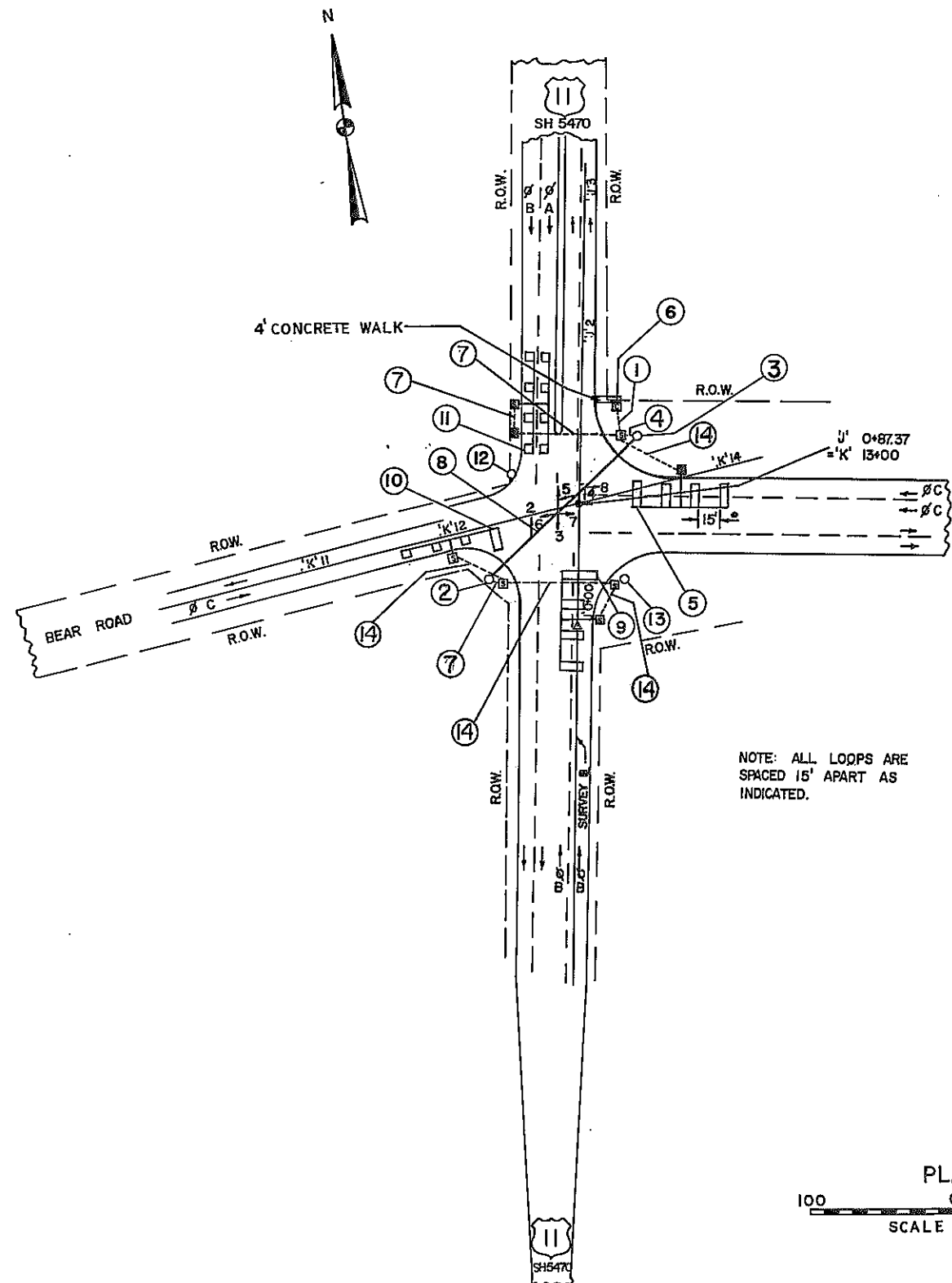
NOTE - USE L-2 SIZE FTG. [SEE STANDARD SHEET 69-66A]

FOR APPROVAL SIGNATURES
 SEE FIELD CHANGE SHEET
 NO. 128 F1

DATED _____ REVIEWED BY _____ DATED _____ CHECKED BY _____ DATED _____ DESIGNED BY _____

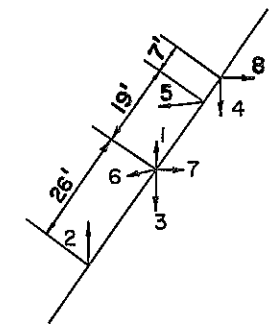
At Rainbow DESIGNER
At Rainbow TRACED BY
T. L. Walker CHECKED BY

FED ROAD REG. NO.	STATE	FED AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	NY		129	257
SYRACUSE-CICERO, S.H. 5470				
TRAFFIC SIGNALS				



HEAD LAYOUT SIGNAL # 94

FACE	STATION	OFFSET
4	'K' 13+01	9' LT.
2	'K' 12+61	16' RT.



OPERATION SCHEDULE

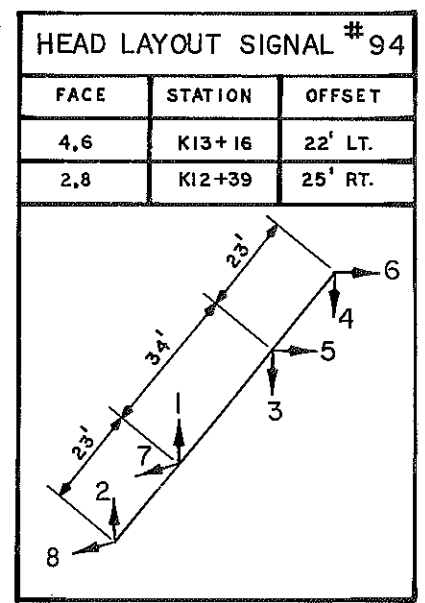
PHASE	FACE							
	1	2	3	4	5	6	7	8
A	G	G	R	R	R	R	R	R
CL TO B	G	G	R	R	R	R	R	R
CL TO C	Y	Y	R	R	R	R	R	R
B	G	G	G	G	R	R	R	R
CL TO C	Y	Y	Y	Y	R	R	R	R
CL TO A	G	G	Y	Y	R	R	R	R
C	R	R	R	R	G	G	G	G
CL TO A	R	R	R	R	Y	Y	Y	Y
CL TO B	R	R	R	R	Y	Y	Y	Y
FLASHER	FY	FY	FY	FY	FR	FR	FR	FR

TABLE OF LOCATION AND NOMENCLATURE

1	1-3" GSC, 5-4C #14, 1-12C #14
2	36' STEEL SIGNAL POLE
3	36' STEEL SIGNAL POLE
4	2-4C #14, 1-12C #14, 1-3" GSC
5	3-6'X15', 1-6'X18' WIRE LOOPS FOR INDUCTANCE LOOP VEHICLE DETECTOR
6	1-3 PHASE FTA CONTROLLER
7	2-4C #14, 1-3" GSC
8	1-12C #14, 2-4C #14 ON SPAN WIRE
9	3-6'X15', 1-6'X25' WIRE LOOPS FOR INDUCTANCE LOOP VEHICLE DETECTOR
10	3-6'X6', 1-6'X15' WIRE LOOPS FOR INDUCTANCE LOOP VEHICLE DETECTOR
11	8-6'X6' WIRE LOOPS FOR INDUCTANCE LOOP VEHICLE DETECTOR
12	REMOVING EXISTING STEEL POLE
13	REMOVING EXISTING STEEL POLE
14	1-4C #14, 1-3" GSC

MADE BY _____ CHECKED BY _____ TRACED BY _____ CHECKED BY _____
Al. Bawrow *R. Mundy* *Robert Young* *Al. Bawrow*

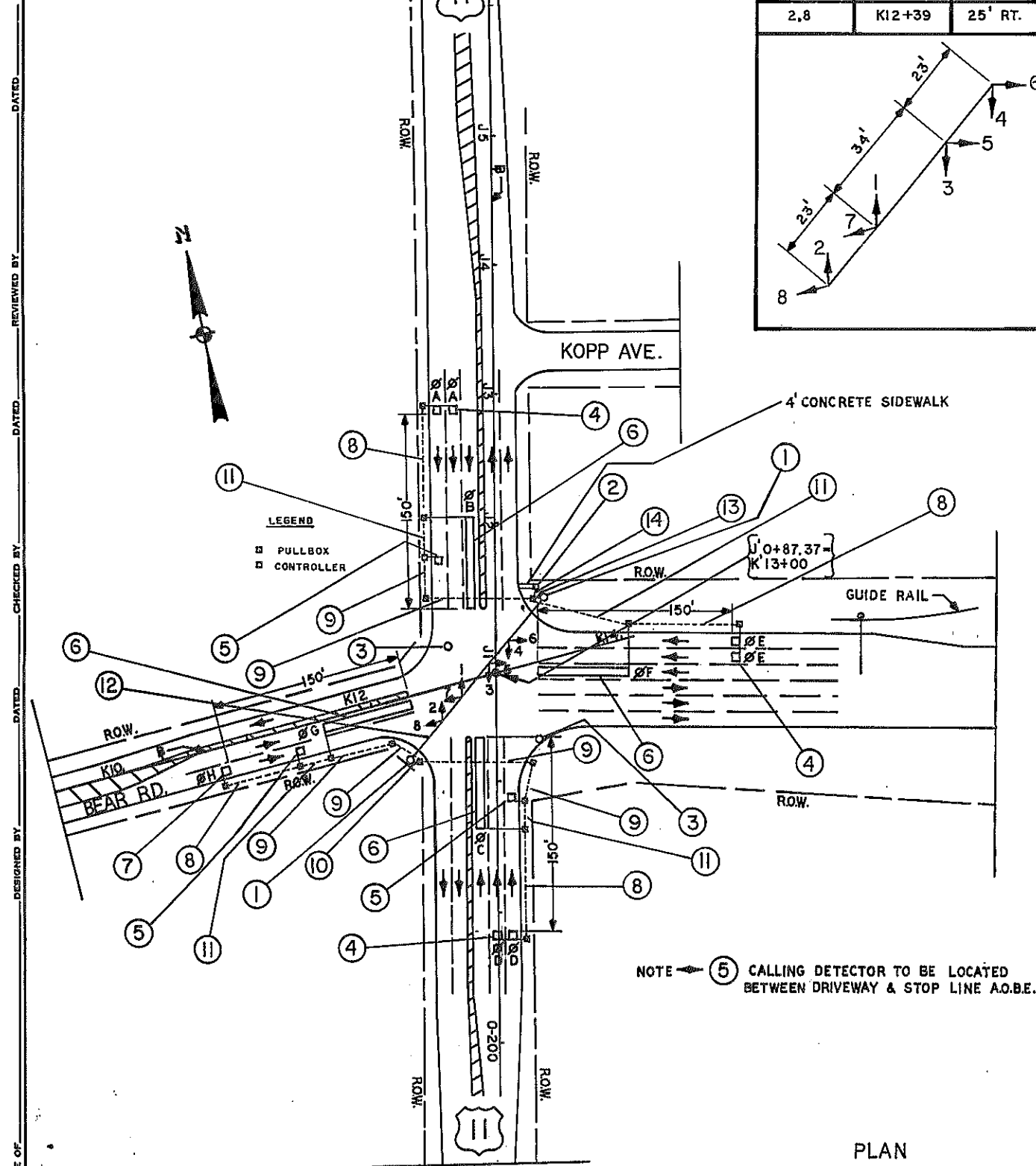
TRAFFIC SIGNAL NO. 94



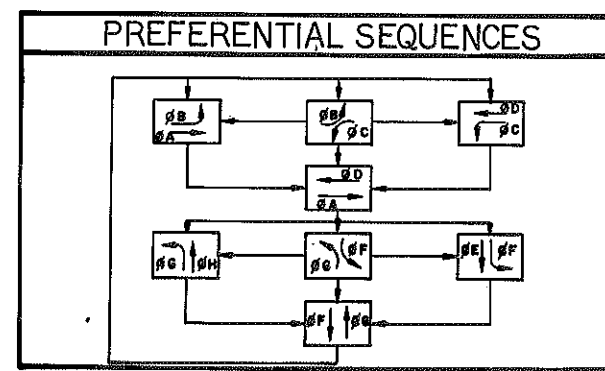
FIELD CHANGE
 SHEET 129FI VOIDS ALL OF ORIGINAL SHEET 129

FED. RD. REG. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		129FI	261

SYRACUSE - CICERO, SH 5470



NOTE - THE CONTROLLER SHALL HAVE THE CAPABILITY OF SKIPPING ANY PHASES IN SEQUENCE IF THERE IS NO DEMAND.



PHASE	FACES							
	1	2	3	4	5	6	7	8
A	G	G	R	R	R	R	R	R
B	R	R	R	R	R	R	R	R
C	R	R	R	R	R	R	R	R
D	R	R	G	G	R	R	R	R
B+C	R	R	R	R	R	R	R	R
A+B	G	G	R	R	R	R	R	R
C+D	R	R	R	G	R	R	R	R
A+D	G	G	G	G	R	R	R	R
E	R	R	R	R	G	G	R	R
F	R	R	R	R	R	R	R	R
G	R	R	R	R	R	R	R	R
H	R	R	R	R	R	R	G	G
F+G	R	R	R	R	R	R	R	R
E+F	R	R	R	R	R	G	R	R
G+H	R	R	R	R	R	R	G	G
E+H	R	R	R	R	G	G	G	G
FLASHING OPERATION	Y	Y	Y	Y	R	R	R	R

CLEARANCES	FROM				
	G	G	R	R	R
G	G	G	R	R	R
G	G	G	R	R	R
G	G	G	R	R	R
R	Y	Y	R	R	R
R	Y	Y	R	R	R
R	Y	Y	R	R	R
R	Y	Y	R	R	R

* SEE NOTE (1)

WHEN PHASE	FOLLOWS PHASE
A+B OR A+D	A
B+C OR A+B	B
B+C OR C+D	C
C+D OR A+D	D
E+F OR E+H	E
F+G OR E+F	F
F+G OR G+H	G
G+H OR E+H	H

TABLE OF LOCATION AND NOMENCLATURE	
1	38' STEEL SIGNAL POLE
2	1-8 PHASE FTA SOLID STATE CONTROLLER
3	REMOVE EXISTING STEEL POLE (NO PAYMENT)
4	2-6'x6' WIRE LOOPS FOR INDUCTANCE LOOP VEHICLE DETECTOR
5	1-6'x6' WIRE LOOPS FOR INDUCTANCE LOOP VEHICLE DETECTOR (CALLING)
6	1-6'x70' WIRE LOOPS FOR INDUCTANCE LOOP VEHICLE DETECTOR
7	1-6'x6' WIRE LOOPS FOR INDUCTANCE LOOP VEHICLE DETECTOR
8	1-4C #14, 1-3" GSC
9	3-4C #14, 1-3" GSC
10	6-4C #14, 1-3" GSC
11	2-4C #14, 1-3" GSC
12	1-19C #14, 6-4C #14 ON SPAN WIRE
13	1-19C #14, 6-4C #14
14	11-4C #14, 1-19C #14, 1-3" GSC

NOTES -

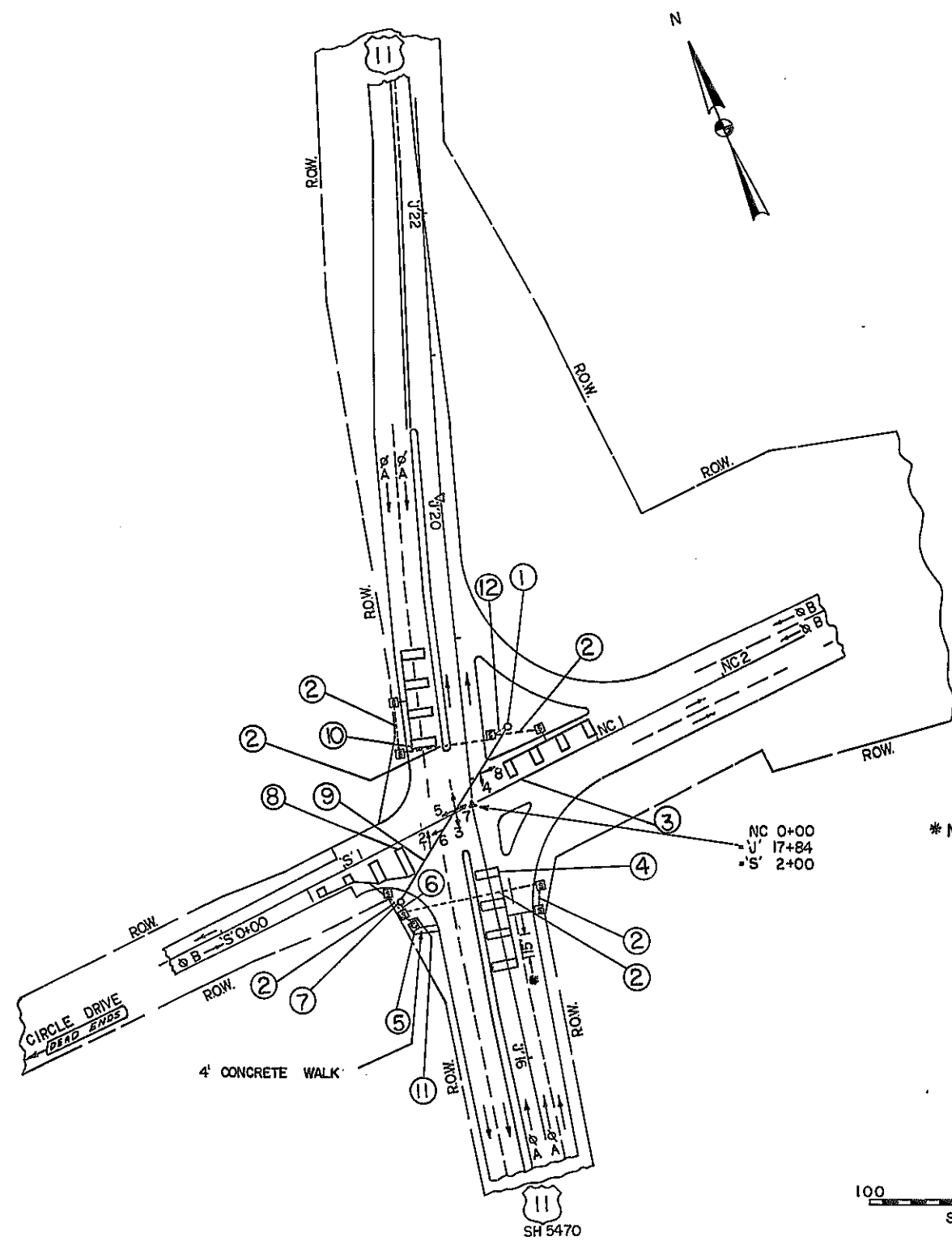
(1) EXCEPT AS SPECIFIED IN NOTE (2) BELOW WHENEVER THE SIGNAL CHANGES FROM ONE PHASE TO ANOTHER, A TWO-PART CLEARANCE INTERVAL SHALL BE DISPLAYED BETWEEN THE PHASES. THE TABLE ABOVE SHOWS THE SIGNAL INDICATIONS THAT SHALL BE DISPLAYED DURING THESE CLEARANCE INTERVALS. THE FIRST PART OF THE CLEARANCE IS SHOWN ABOVE THE DASHED LINE, THE SECOND PART IS SHOWN BELOW IT.

(2) UNDER THE FOLLOWING CIRCUMSTANCES NO CLEARANCE INTERVALS SHALL BE DISPLAYED BETWEEN PHASES.

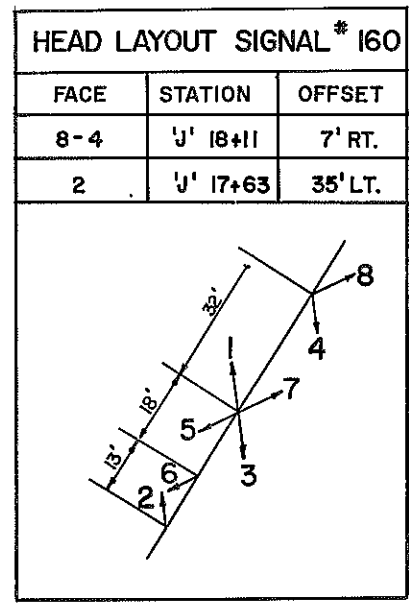


DESIGNER: *A. Reinhard*
 TRACED BY: *R. W. W.*
 CHECKED BY: *A. Reinhard*

FED ROAD REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		130	257
SYRACUSE-CICERO, S.H. 5470				
TRAFFIC SIGNALS				



* NOTE. ALL LOOPS ARE SPACED 15' APART AS SHOWN



OPERATION SCHEDULE

PHASE	FACE							
	1	2	3	4	5	6	7	8
A	G	G	G	G	R	R	R	R
FIRST CLEAR	G	G	Y	Y	R	R	R	R
DELAY GREEN	G	G	R	R	R	R	R	R
SECOND CLEAR	Y	Y	R	R	R	R	R	R
B	R	R	R	R	G	G	G	G
CLEAR TO A	R	R	R	R	Y	Y	Y	Y
FLASHER	FY	FY	FY	FY	FR	FR	FR	FR

TABLE OF LOCATION AND NOMENCLATURE

1	36' STEEL SIGNAL POLE
2	1-4C # 14, 1-3" GSC
3	4-6'X12' WIRE LOOPS FOR INDUCTANCE LOOP VEHICLE DETECTOR
4	4-6'X15' WIRE LOOPS FOR INDUCTANCE LOOP VEHICLE DETECTOR
5	1-2 PHASE FTA CONTROLLER W/ DOUBLE CLEARANCE TIMER
12	2-4C # 14, 1-3" GSC
6	1-12C # 14, 2-4C # 14, 1-3" GSC
7	36' STEEL SIGNAL POLE
8	2-6'X6', 1-6'X15', 1-6'X25' WIRE LOOPS FOR INDUCTANCE LOOP VEHICLE DETECTOR
9	1-12C # 14, 2-4C # 14 ON SPAN WIRE
10	4-6'X18' WIRE LOOPS FOR INDUCTANCE LOOP VEHICLE DETECTOR
11	1-12C # 14, 4-4C # 14, 1-3" GSC

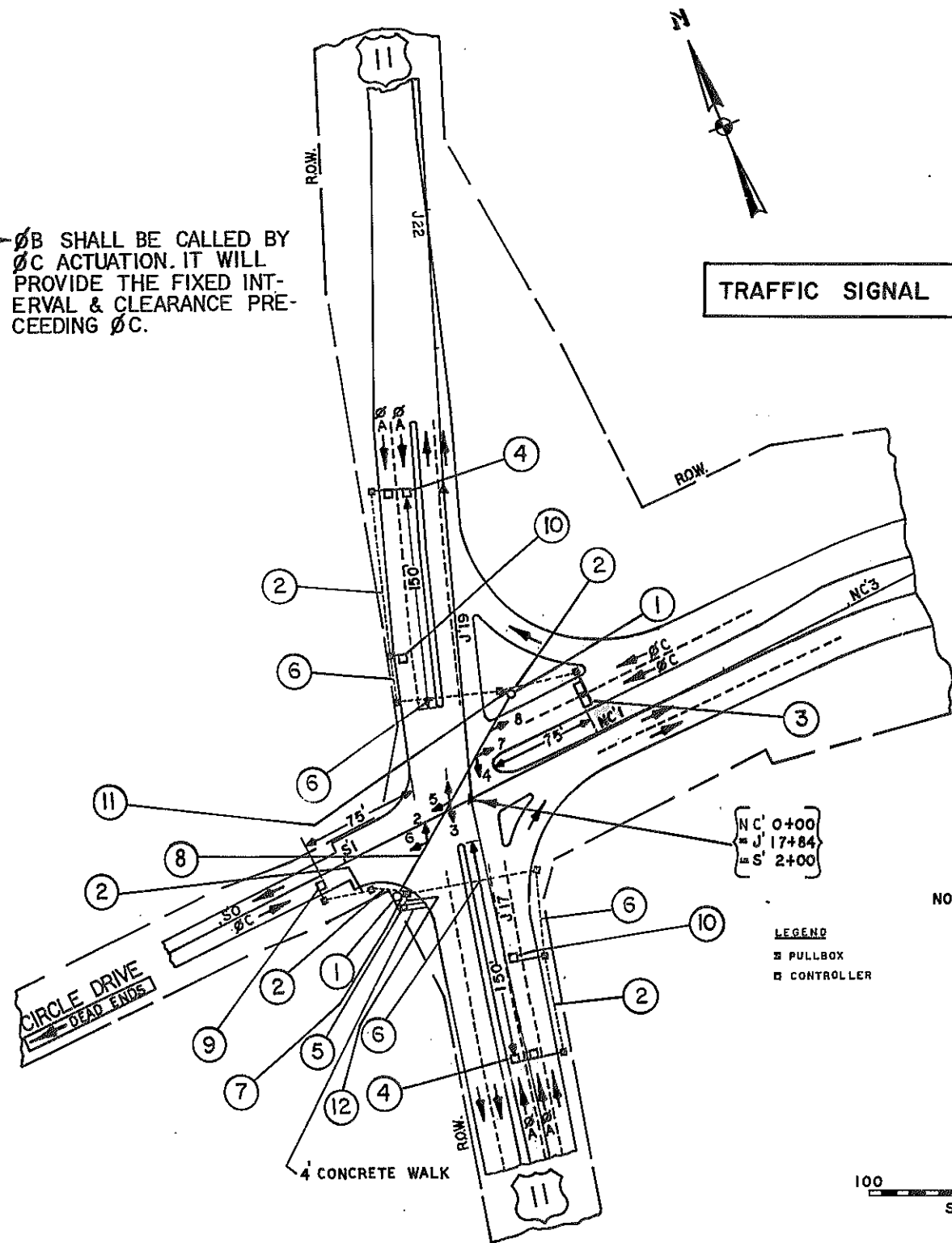
MADE BY CHECKED BY TRACED BY CHECKED BY
AL CAMERON R. Young AL CAMERON

FIELD CHANGE
SHEET 130FI VOIDS ALL
OF ORIGINAL SHEET 130

FED. RD. REG. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		130FI	261
SYRACUSE - CICERO, SH 5470				
TRAFFIC SIGNALS				

NOTE → ØB SHALL BE CALLED BY ØC ACTUATION. IT WILL PROVIDE THE FIXED INTERVAL & CLEARANCE PRECEEDING ØC.

TRAFFIC SIGNAL NO. 160



LEGEND
 □ PULLBOX
 □ CONTROLLER

NOTE → ⑩ CALLING DETECTOR TO BE LOCATED BETWEEN DRIVEWAY & STOP LINE A.O.B.E.



HEAD LAYOUT SIGNAL # 160

FACE	STATION	OFFSET
8	NC 0+34	37' LT.
2-6	S 1+58	14' RT.

OPERATION SCHEDULE

PHASE	FACE							
	1	2	3	4	5	6	7	8
A	G	G	G	G	R	R	R	R
FIRST CLEAR	G	G	Y	Y	R	R	R	R
DELAY GREEN	G	G	R	R	R	R	R	R
SECOND CLEAR	Y	Y	R	R	R	R	R	R
C	R	R	R	R	G	G	G	G
CLEAR TO A	R	R	R	R	Y	Y	Y	Y
FLASHER	FY	FY	FY	FY	FR	FR	FR	FR

NOTE → DELAY GREEN TO BE IMPLIED AS ØB.

TABLE OF LOCATION AND NOMENCLATURE

1	38' STEEL SIGNAL POLE
2	1-4C #14, 1-3" GSC
3	2-6'x 8' WIRE LOOPS FOR INDUCTANCE LOOP VEHICLE DETECTOR
4	2-6'x6' WIRE LOOPS FOR INDUCTANCE LOOP VEHICLE DETECTOR
5	1-3 PHASE F.T.A. CONTROLLER
6	2-4C #14, 1-3" GSC
7	1-12C #14, 3-4C #14
8	1-12C #14, 3-4C #14 ON SPAN WIRE
9	1-6'x6' WIRE LOOPS FOR INDUCTANCE LOOP VEHICLE DETECTOR
10	1-6'x6' WIRE LOOPS FOR INDUCTANCE LOOP VEHICLE DETECTOR (CALLING)
11	3-4C #14, 1-3" GSC
12	1-12C #14, 6-4C #14, 1-3" GSC

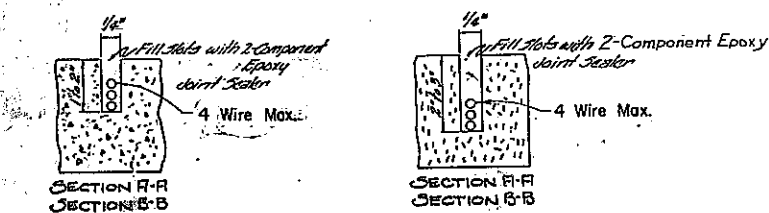
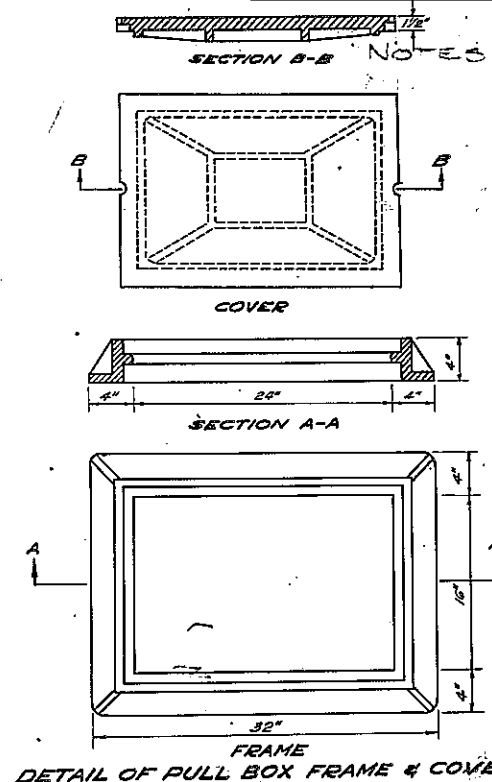
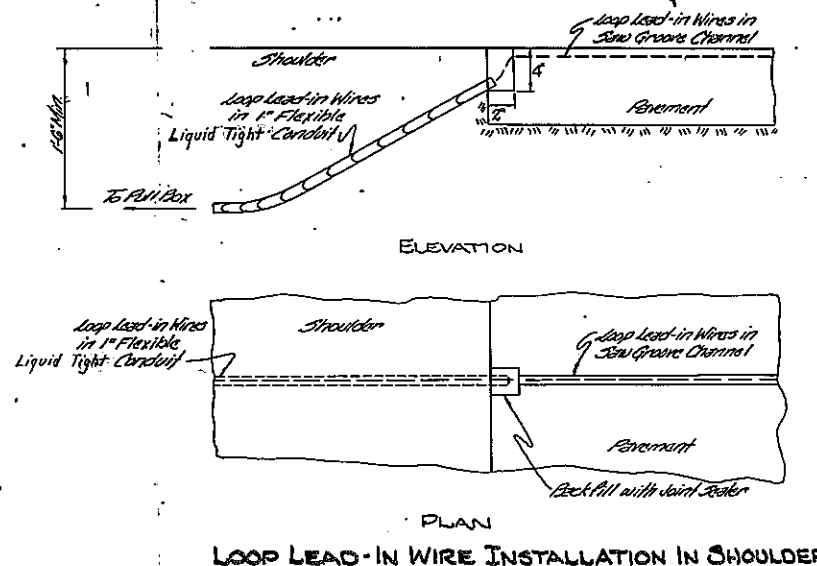
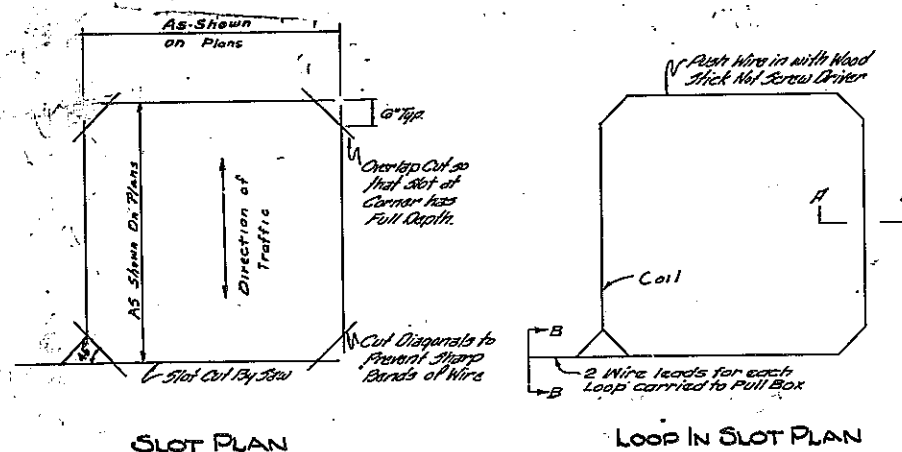
FOR APPROVAL SIGNATURES SEE
FIELD CHANGE SHEET NO. 128FI

DESIGNED BY: [Signature] CHECKED BY: [Signature] REVISIONS: [Signature]

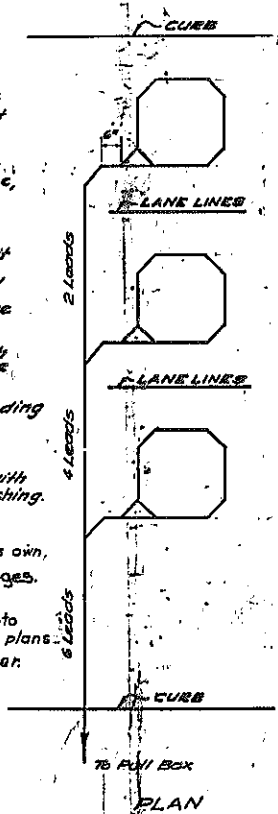
DESIGNER: [Signature] TRACED BY: [Signature] CHECKED BY: [Signature]

FED. RD. Div. No.	STATE	FEDERAL AID PROJECT No.	SHEET No.	TOTAL SHEETS
	N.Y.		131	257
SYRACUSE-CICERO, S.H. 5470				
TRAFFIC SIGNALS				

INSTALLATION DETAILS OF INDUCTANCE LOOP VEHICLE DETECTORS



- NOTES:**
- Lead Cuts must be at least 10 feet from transverse joint in concrete pavement.
 - Where an additional Loop is installed for a second phase, leads for this Loop shall be installed in separate cut to Pull Box.
 - The end of the Flexible Conduit set in the Curb or edge of Pavement shall be sealed with the joint sealer after the loop lead-in wires have been placed.
 - The lead-in wires for each loop shall be carried to the Pull Box where they shall be spliced to a cable leading to the Controller.
 - Ends of Liquid tight Flexible Conduit shall be provided with an approved Insulating Bushing.
 - Each loop shall be centered in its own lane, or between pavement edges.
 - Method thru or around curb or into shoulder shall be as shown on the plans and/or as approved by the Engineer.



NOTES:

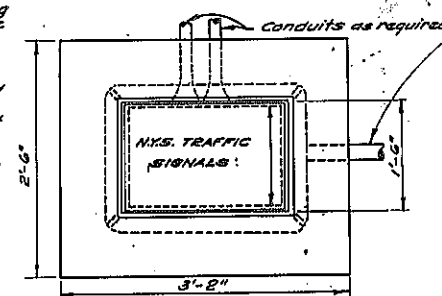
Pull Boxes shall be in accordance with the details shown. All covers shall be lettered with "N.Y.S. TRAFFIC SIGNALS" in two inch (2") letters.

Pull Boxes shall be located as shown on the Plans or as ordered by the Engineer. If placed in shoulder or sidewalk area, the cover shall be flush with the surface.

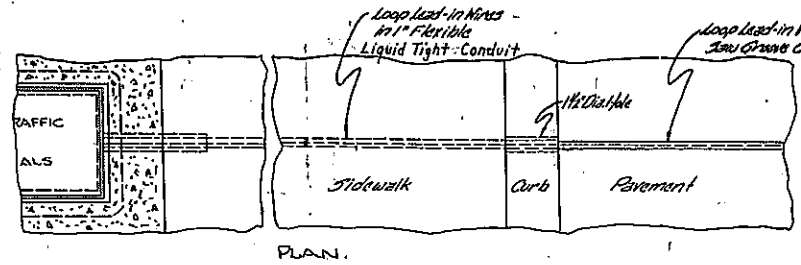
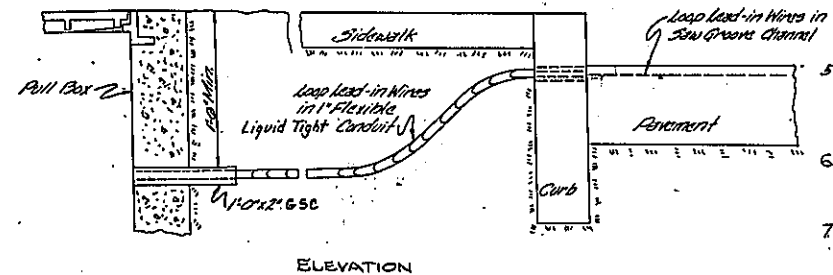
If open gravel is found one foot below the elevation of the lowest conduit entering the Pull Box, the Pull Box may be raised one foot and the 6" Pipe Underdrain may be omitted.

Conduit shall be laid true to grade and drained to the Pull Boxes. Conduit ends shall be fitted with an approved conduit bushing or shall be properly reamed.

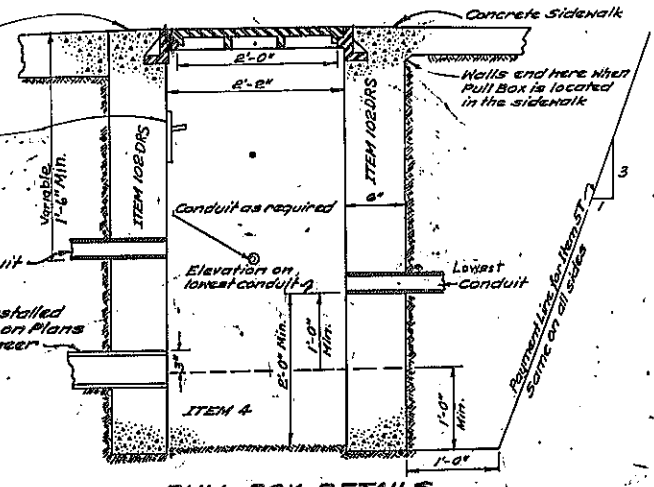
Ends of all conduits not used shall be closed with an approved cap or plug.



PAYMENT AREA - 3.35' ROADWAY-CAST IRON ESTIMATED WT=300 LBS. SPECIAL NOTE!
Pull Box details shown on this sheet also apply to Pull Boxes used for Street Lighting except that the covers shall not be lettered.



LOOP LEAD-IN WIRE INSTALLATION IN CURB



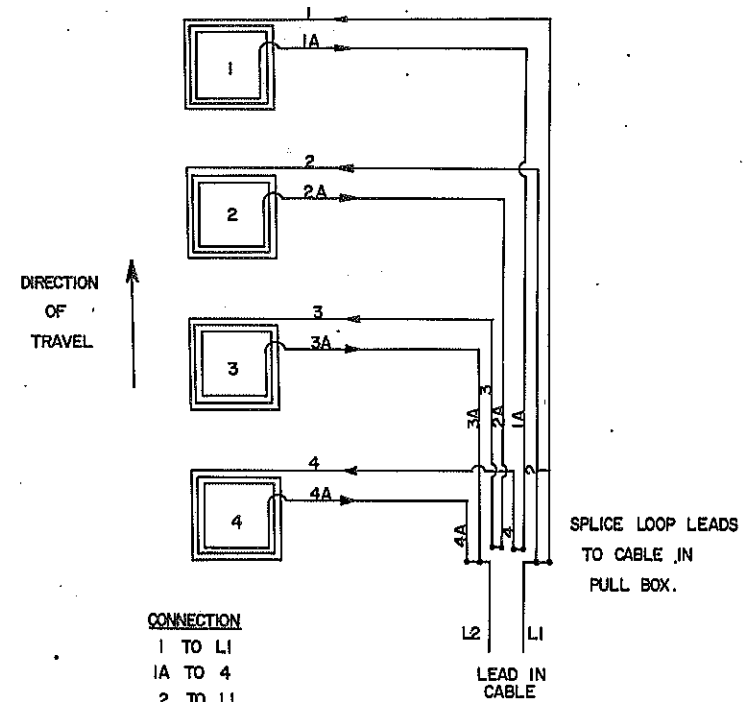
INSTALLATION DETAILS OF INDUCTANCE LOOP VEHICLE DETECTORS

Made by B.L. Pickard
Checked by S.P. Bilotti
Traced by J. Vautour
Checked by B.L. Pickard

DRAWING NOT TO SCALE

FED. ROAD REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N. Y.		132	257
SYRACUSE-CICERO, S.H. 5470				
EUCLID-NORTH SYRACUSE				
TRAFFIC SIGNALS				

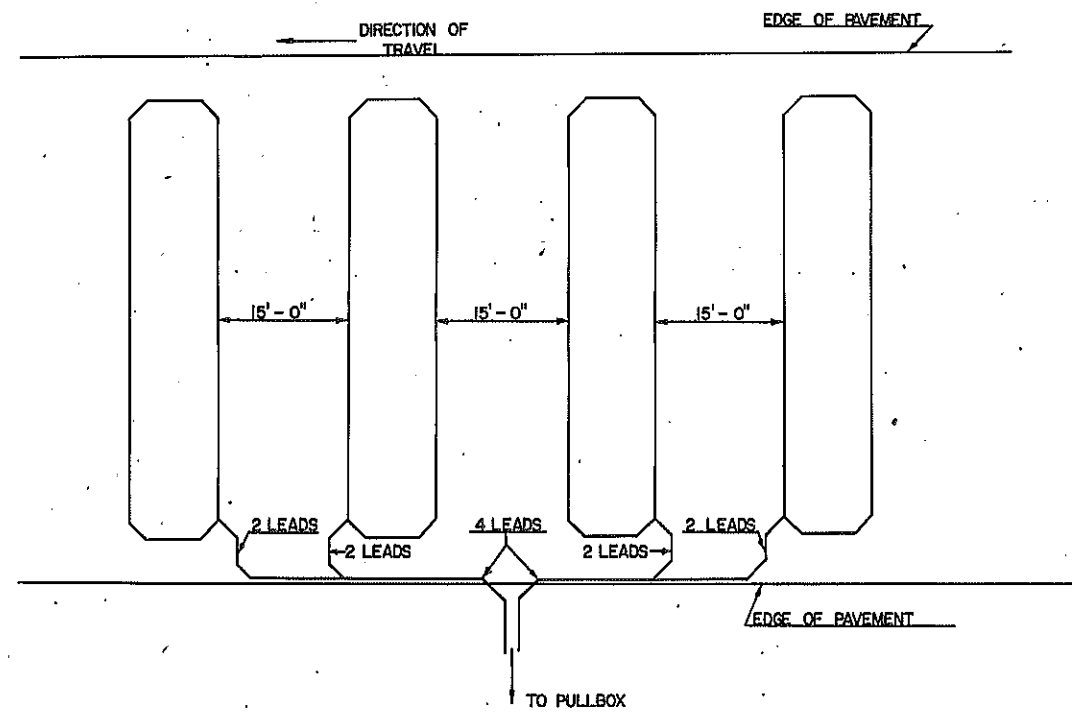
LOOP CONNECTION FOR MULTIPLE LOOPS



- CONNECTION**
- 1 TO L1
 - 1A TO 4
 - 2 TO L1
 - 2A TO 3
 - 3A TO L2
 - 4A TO L2

- 1. ALL LEADS SHALL BE TAGGED.
- 2. EACH LOOP SHALL BE COLOR CODED INDIVIDUALLY.

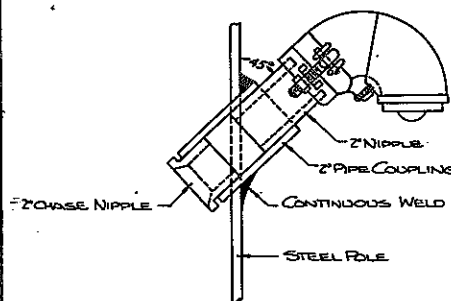
TYPICAL MULTIPLE LOOP INSTALLATION



IN CHARGE OF _____
 DESIGNED BY *S. Bate* v *Ch. Raines*
 ESTIMATE BY _____ v _____
 DRAWN BY *S. Bate* v *S. Bate*

Prepared pursuant to the Highway Law, and recommended by _____
 ENGINEER DIST. NO. _____
 19 _____

FED. RD. REG. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		183	257
SYRACUSE-CICERO, S.H. 5470				
EAST NORTH SYRACUSE				
TRAFFIC SIGNALS				



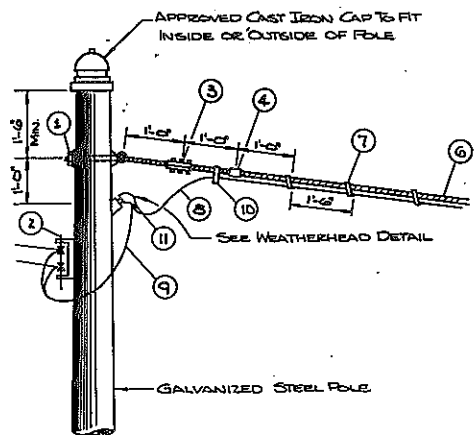
WEATHERHEAD

POLE TO BE DRILLED AND TAPPED FOR 3/4" BOLTS FOR FASTENING 2" SPOOL HEAVY DUTY SECONDARY RACK.

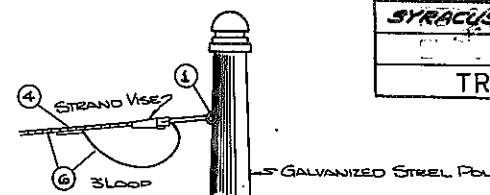
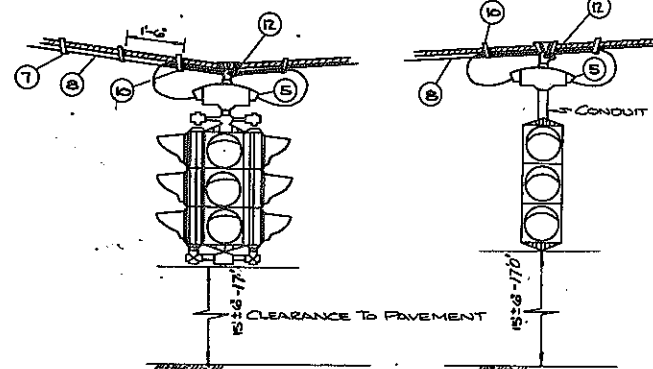
TWO WEATHER HEADS TO BE USED WHERE NECESSARY.

ALL OPENINGS CUT INTO THE POLE FOR CONDUIT ENTRANCES TO BE CLOSED OFF BY CONTINUOUS WELDS AROUND CONDUIT.

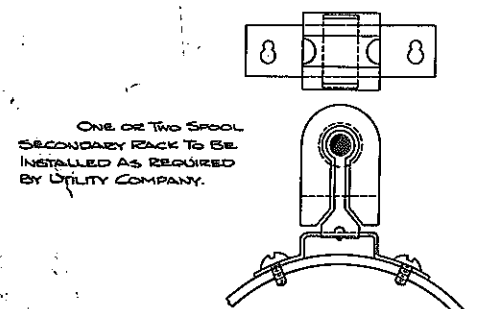
PROVIDE SUFFICIENT LENGTH OF POWER CABLE AS ORDERED BY THE ENGINEER TO ALLOW FOR SPACE BY UTILITY COMPANY TO THE SOURCE OF POWER.



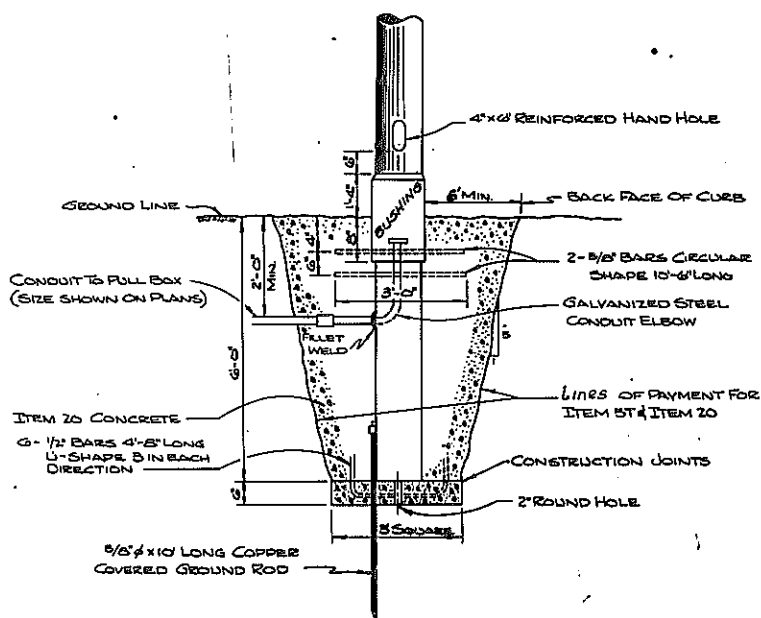
GALVANIZED STEEL POLE



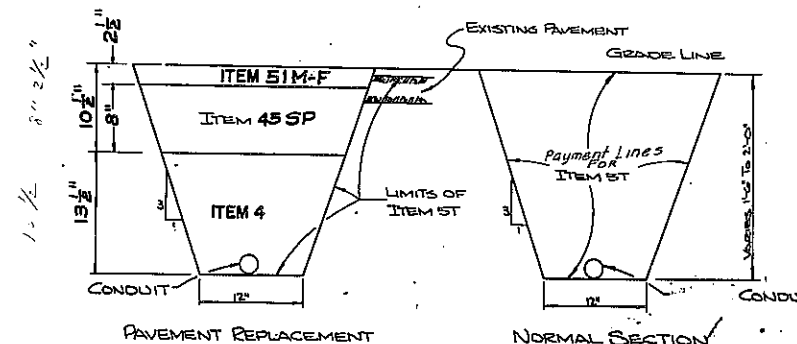
DETAIL OF STRAND VISE INSTALLATION



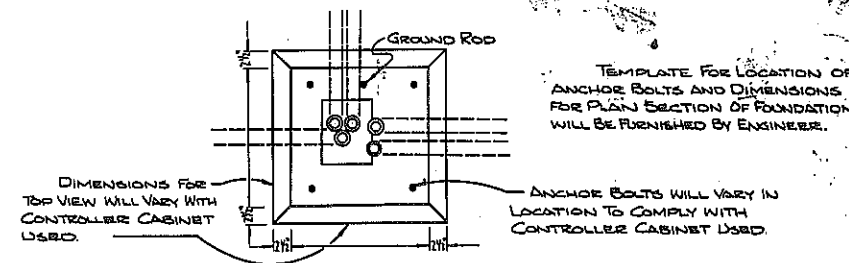
SECONDARY RACK



TYPICAL STEEL POLE INSTALLATION



DETAIL OF CONDUIT TRENCH

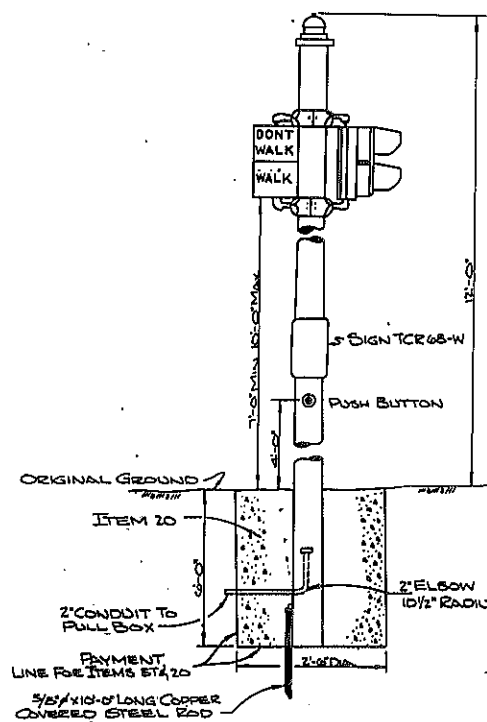


TEMPLATE FOR LOCATION OF ANCHOR BOLTS AND DIMENSIONS FOR PLAIN SECTION OF FOUNDATION WILL BE FURNISHED BY ENGINEER.

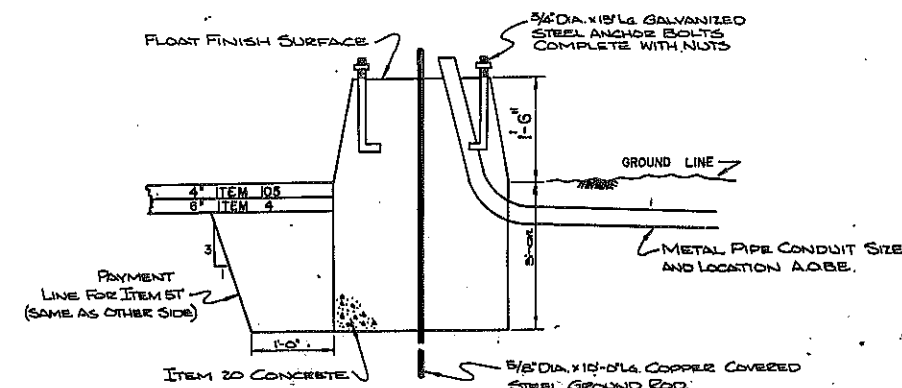
MATERIAL LIST	
1	3/4"x1/2" THIMBLE EYE THRU BOLT & CURVED STUBBING WASHERS
2	2 SPOOL HEAVY DUTY SECONDARY RACK
3	3 BOLT CLAMP 7/16" SPAN WIRE
4	SERVISLEEVE 7/16" SPAN WIRE
5	DISCONNECT HANGER
6	80% EXTRA HIGH STRENGTH COPPER COVERED STEEL STRAND WIRE 7/16" DIA.
7	COPPER COVERED STEEL CABLE RING
8	AERIAL CABLE
9	2 #10 AW GAGE POWER CABLE
10	CABLE CLAMP
11	WEATHER HEAD
12	BALANCE ADJUSTER

NOTES

ALL ATTACHMENTS TO PRIVATELY OWNED POLES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE OWNER OR OWNERS. FORMING OF POLE FOUNDATIONS WILL NOT BE PERMITTED. ALL POLES SHALL BE RIGID 5 INCHES AGAINST SPAN. WHERE SIZE OF ONE CONDUIT IS TOO SMALL TO PERMIT PASSAGE OF REQUIRED WIRES, TWO CONDUITS SHALL BE USED. OTHER APPROVED METHODS MAY BE USED FOR ATTACHING CABLE TO MESSENGER. ALL BOLTS TO BE SHEARED 1/4" FROM NUT OR FITTING.



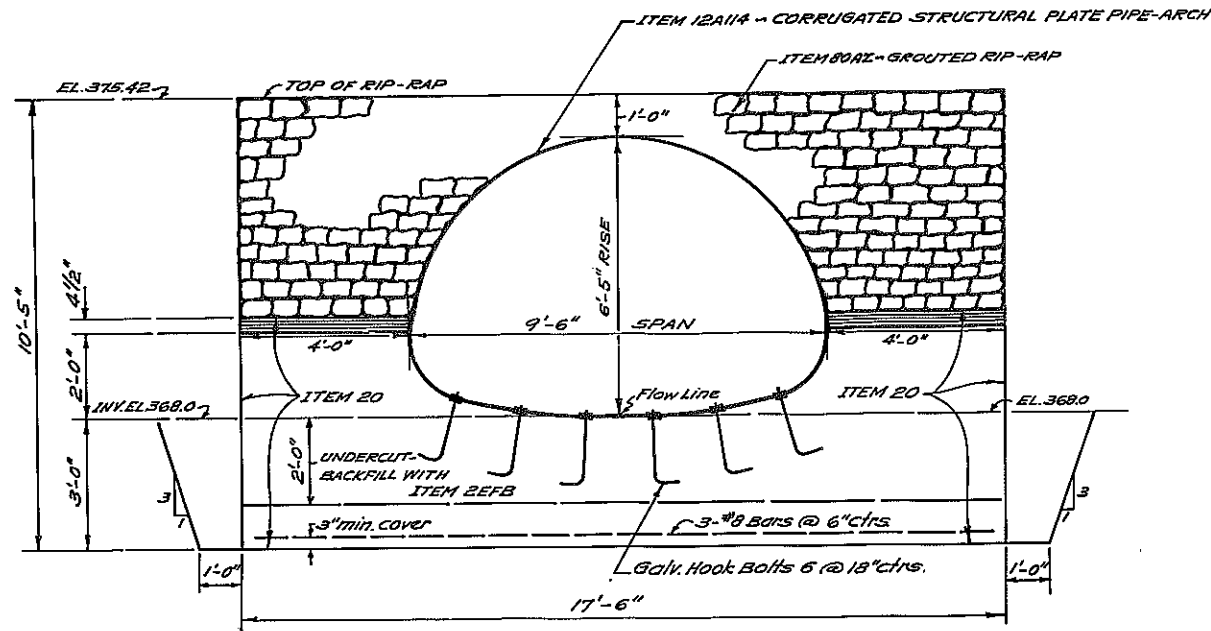
PEDESTRIAN SIGNAL



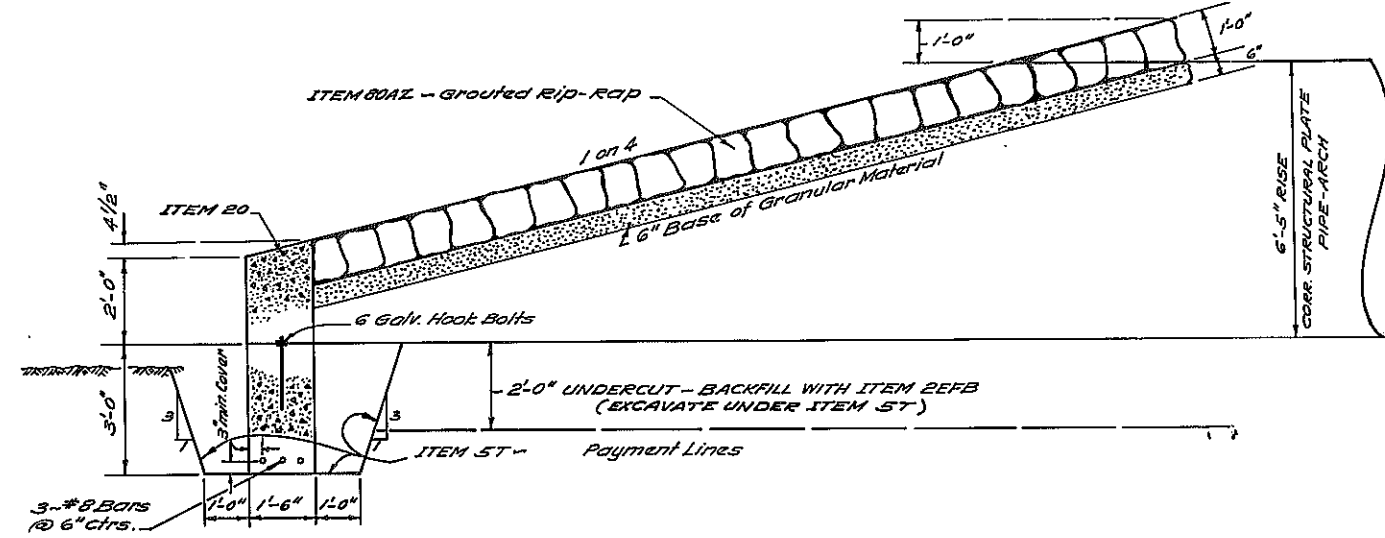
FOUNDATION FOR GROUND MOUNTED CONTROLLER

MADE BY D.O. DATED _____
 CHECKED BY D.O. DATED _____
 TRACED BY [Signature] DATED _____
 CHECKED BY [Signature] DATED _____

FED. RD. RES. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET No.	TOTAL SHEETS
1	N.Y.		134	257
EUCLID-NORTH SYRACUSE, S.H.				



END VIEW
SCALE: 1/2" = 1'-0"



ELEVATION
SCALE: 1/2" = 1'-0"

GENERAL NOTES

Design specifications AASHTO 1965 modified and current American Welding Society modified. The stresses assumed for design purposes conform to 1965 AASHTO specifications with the 28 day concrete stress (f'_c) = 3000 psi minimum. L.L. H520-44.

Material and construction Specifications: specifications of N.Y.S. Department of Public Works dated January 2, 1962 with current additions and modifications.

The cost of furnishing and placing water used for sodding and selected granular fill will be paid for under Item 1W and 1W1 of the highway portion of the contract.

Reinforcing bars shall be lapped a minimum of 24 diameters.

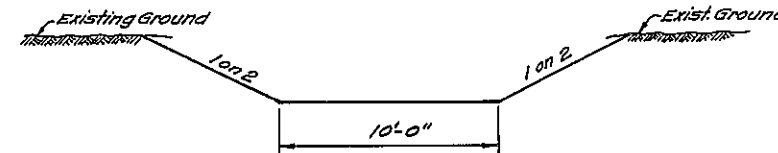
Concrete items and cement:
Culvert cut-off walls - Item 20 Type 2 Cement.

All concrete shall have entrained air in accordance with the Specifications.

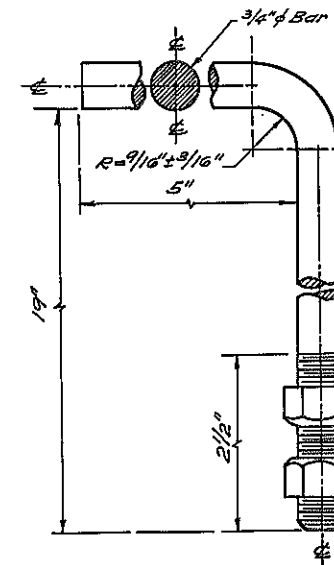
Backfill shall be deposited on both sides of the structure to approximately the same elevation at the same time.

Payment for Hook Bolts and Nuts shall be included in the Price Bid for Item 12A114. Reinforcement steel will be paid for under Item 28.

For Pipe Bedding details - refer to standard Sheet 68-19A.



TYPICAL CHANNEL SECTION
SCALE: 1/4" = 1'-0"



NOTE A - Hook Bolt Material shall meet requirements of ASTM A-307.

NOTE B - Hook Bolts & Nuts shall be galvanized in accordance with M-14.

NOTE C - Payment for Hook Bolts and Nuts shall be included in the Price Bid for Item 12A114.

HOOK BOLT & NUT DETAIL
NO SCALE

CULVERT DETAILS

STA. 106+77 S.B.
CORRUGATED STRUCTURAL PLATE PIPE-ARCH CULVERT
9'-6" SPAN BY 6'-5" RISE, ON 35° SKEW, #12 GAUGE
266 FT. LONG

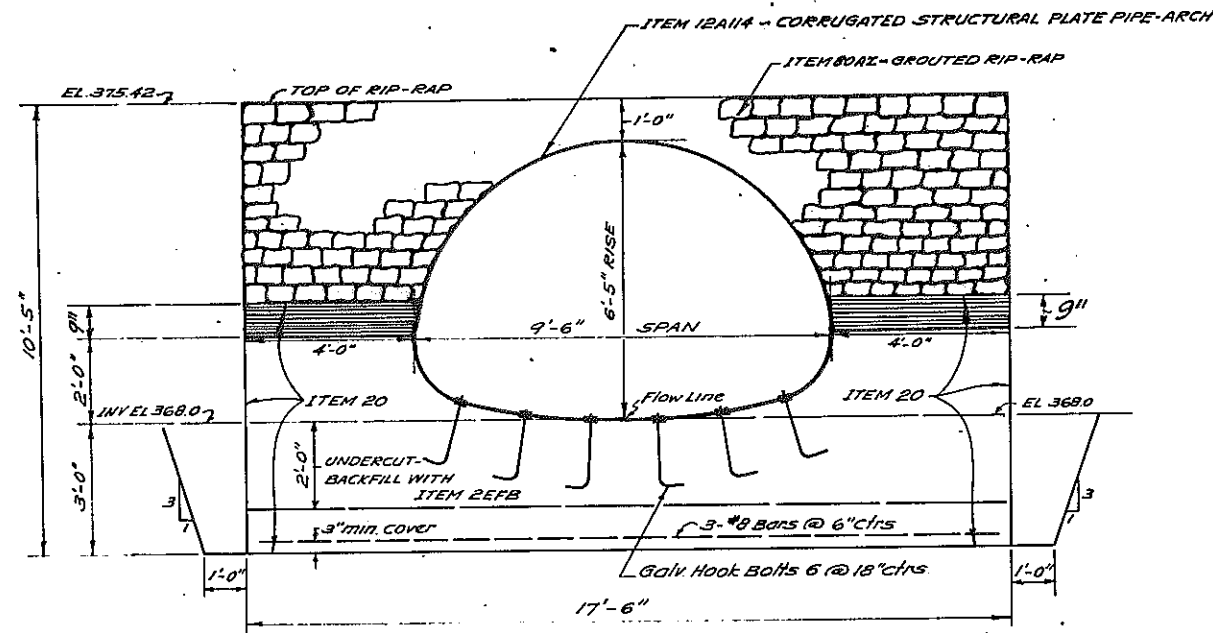
E. Lauhietis
MADE BY
John P. Shannon
CHECKED BY
E. Lauhietis
TRACED BY
John P. Shannon
CHECKED BY

FED. RD. DIST. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		134F1	257

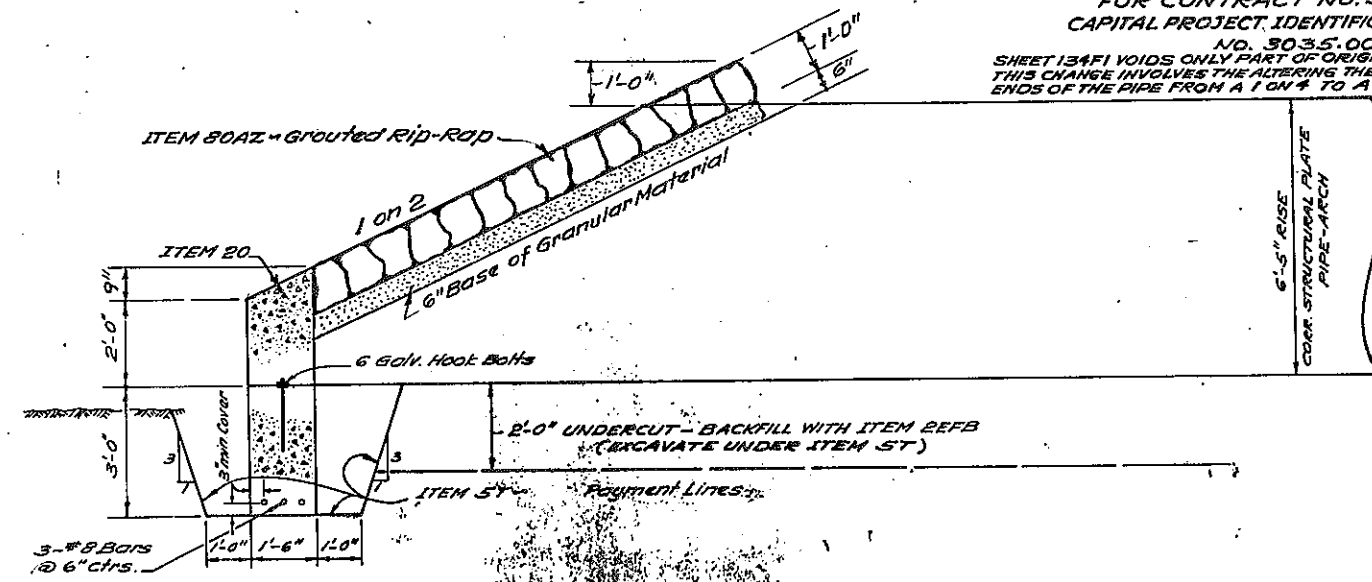
EUCLID-NORTH SYRACUSE, S.H.

FIELD CHANGE SHEET
FOR CONTRACT NO. S.H. 69-5
CAPITAL PROJECT IDENTIFICATION

NO. 3035.00
SHEET 134F1 VOIDS ONLY PART OF ORIGINAL SHEET 134.
THIS CHANGE INVOLVES THE ALTERING THE BEVEL ON THE ENDS OF THE PIPE FROM A 1 ON 4 TO A 1 ON 2 SLOPE.



END VIEW
SCALE: 1/2" = 1'-0"



ELEVATION
SCALE: 1/2" = 1'-0"

GENERAL NOTES

Design specifications AASHTO 1965 modified and current American Welding Society modified. The stresses assumed for design purposes conform to 1965 AASHTO specifications with the 28 day concrete stress ($f'c$) = 3000 psi minimum.

L.L. H520-44.

Material and construction Specifications: Specifications of N.Y.S. Department of Public Works dated January 2, 1962 with current additions and modifications.

The cost of furnishing and placing water used for sodding and selected granular fill will be paid for under Item 1W and 1WA of the highway portion of the contract.

Rainforcing bars shall be lapped a minimum of 24 diameters.

Concrete Items and cement:
Culvert cut-off walls - Item 20 Type 2 Cement.

All concrete shall have entrained air in accordance with the Specifications.

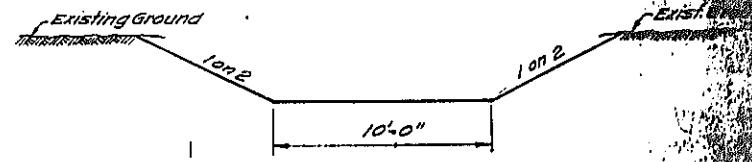
Backfill shall be deposited on both sides of the structure to approximately the same elevation at the same time.

Payment for Hook Bolts and Nuts shall be included in the Price Bid for Item 12A14. Reinforcement steel will be paid for under Item 26.

For Pipe Bedding details - refer to Standard Sheet 68-19A.

CHANGE IN QUANTITIES - CULVERT STA 106+77.5B					
ITEM	DESCRIPTION	UNIT	INCREASE	DECREASE	NET CHANGE
2E2B	SELECTED GRANULAR FILL	C.Y.	-	8	-8
5T	TRENCH AND CULVERT EXCAVATION	C.Y.	-	4	-4
12A14	CORR. STRUCT. PLATE PIPE-ARCH, 116"x117", 260#, L.F.	L.F.	-	8	-8
80AZ	GRAOUTED RIP-RAP	C.Y.	-	8	-8

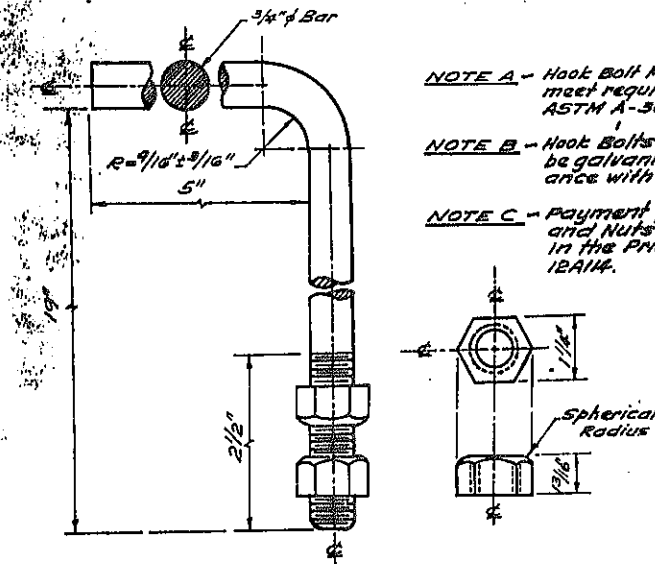
THE ABOVE REVISION HAS EFFECTED CHANGES TO SHEETS NUMBERED 14, 35, 36, 37 WHICH WILL NOT BE REVISED.



TYPICAL CHANNEL SECTION
SCALE: 1/4" = 1'-0"

CULVERT DETAILS

STA. 106+77.5B.
CORRUGATED STRUCTURAL PLATE PIPE-ARCH CULVERT
9'-6" SPAN BY 6'-5" RISE, ON 36° SKEW, # 12 GALV
258 FT. LONG



HOOK BOLT & NUT DETAIL
NO SCALE

- NOTE A - Hook Bolt Material shall meet requirements of ASTM A-307.
- NOTE B - Hook Bolts & Nuts shall be galvanized in accordance with M-19.
- NOTE C - Payment for Hook Bolts and Nuts shall be included in the Price Bid for Item 12A14.

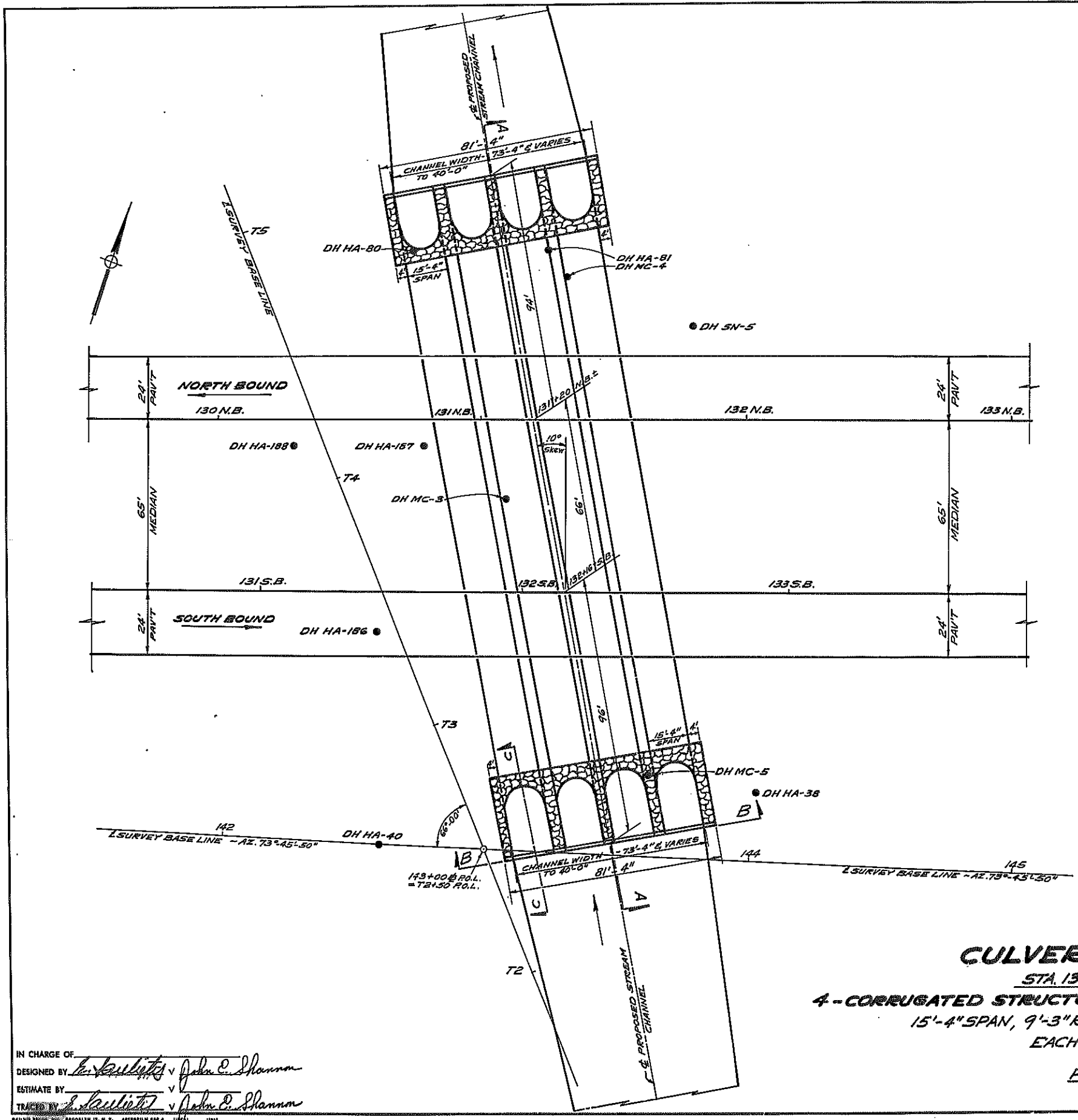
MADE BY: J. Lauclites CHECKED BY: John P. Shannon TRACED BY: J. Lauclites CHECKED BY: John P. Shannon REVISED BY: John P. Shannon CHECKED BY: E. Lauclites

PREPARED PURSUANT TO THE HIGHWAY LAW AND RECOMMENDED BY: John P. Shannon
REGIONAL DIRECTOR OF TRANSPORTATION REGION NO. 3

DATE: 17 Dec 1969

FED. ROAD REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		135	257

EUCLID-NORTH SYRACUSE, S.H.



GENERAL NOTES

Design Specifications AASHTO 1965 modified and current American Welding Society modified. The stresses assumed for design purposes conform to 1965 AASHTO Specifications with the 28 day concrete stress ($f'c$)=3000 psi minimum.
 L.L. HS20-44.

Material and Construction Specifications: Specifications of N.Y.S. Department of Public Works dated January 2, 1962 with current additions and modifications.

The cost of furnishing and placing water used for sodding and selected granular fill will be paid for under Item 1W and 1WA of the highway portion of the contract.

Reinforcing bars shall be lapped a minimum of 24 diameters.
 concrete Items and Cement:
 Culvert cut-off walls - Item 20 Type 2 Cement

All Concrete shall have entrained air in accordance with the Specifications.

Backfill shall be deposited on both sides of the structure to approximately the same elevation at the same time.

Payment for Hook Bolts and Nuts shall be included in the Price Bid for Item 12A184. Reinforcement steel will be paid for under Item 28.

For Pipe Bedding details - refer to Standard Sheet 68-19A.

HYDROLOGY
CULVERT STA. 132+16 S.B.
 MAGNITUDE - 2400 cfs.
 FREQUENCY OF DESIGN STORM - 50 YEAR FLOOD
 WATER SURFACE ELEVATION - 372.0
 EXPECTED FOR THE DESIGN STORM

CULVERT DETAIL

STA. 132+16 S.B.
4-CORRUGATED STRUCTURAL PLATE PIPE-ARCH CULVERTS
 15'-4" SPAN, 9'-3" RISE, ON 10° SKEW, #12 GAUGE
 EACH 256 FT. LONG

PLAN SCALE:
 1" = 20'-0"

IN CHARGE OF _____
 DESIGNED BY *E. Lauliet* v *John E. Shannon*
 ESTIMATE BY _____
 TRACED BY *E. Lauliet* v *John E. Shannon*

Prepared pursuant to the Highway Law, and recommended
 by _____ ENGINEER DIST. NO. _____
 19 _____ HC-7 (2/64)

FED. ROAD REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		135F1R257	
EUCLID-NORTH SYRACUSE, S.H.				

FIELD CHANGE SHEET
 FOR CONTRACT NO. S.H. 69-5
 CAPITAL PROJECT IDENTIFICATION NO. 3035.00
 SHEET 135F1 VOIDS ONLY PART OF ORIGINAL SHEET 135.
 THIS CHANGE INVOLVES THE ALTERING THE BEVEL ON THE ENDS OF THE PIPE FROM A 1 ON 4 TO A 1 ON 2 SLOPE.

GENERAL NOTES

Design Specifications AASHTO 1965 modified and current American Welding Society modified. The stresses assumed for design purposes conform to 1965 AASHTO Specifications with the 28 day concrete stress (f'c) = 3000 psi minimum.
 L.L. HS20-44

Material and Construction Specifications: Specifications of NYS Department of Public Works dated January 2, 1962 with current additions and modifications.

The cost of furnishing and placing water used for sodding and selected granular fill will be paid for under Item 1W and 1WA of the highway portion of the contract.

Reinforcing bars shall be lapped a minimum of 24 diameters.

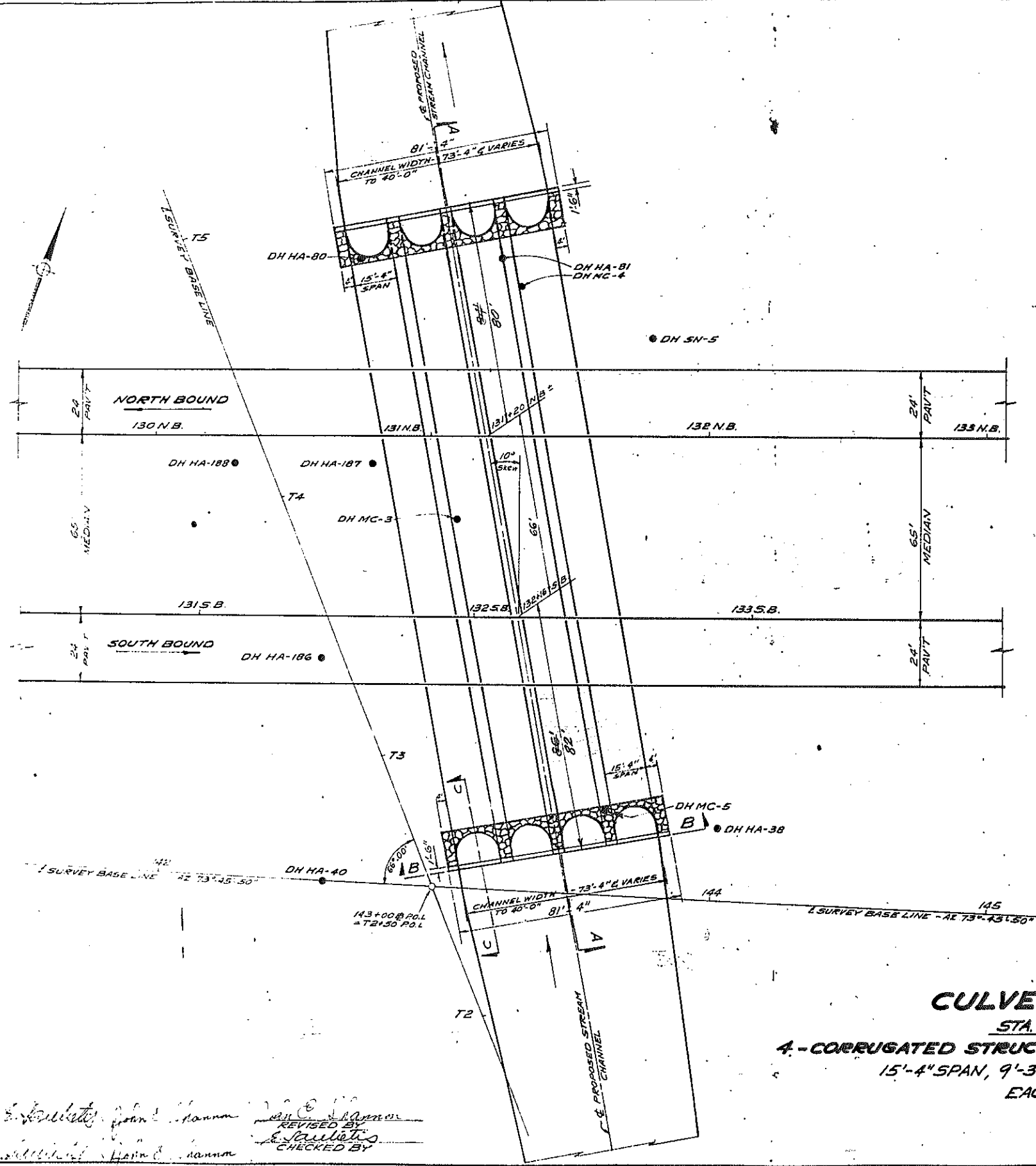
Concrete Items and Cement
 Culvert cut-off Walls - Item 20 Type 2 Cement

All Concrete shall have entrained air in accordance with the Specifications.

Backfill shall be deposited on both sides of the structure to approximately the same elevation at the same time.

Payment for Hook Bolts and Nuts shall be included in the Price Bid for Item 12A184. Reinforcement steel will be paid for under Item 28.

For Pipe Bedding details - refer to Standard Sheet 68-19A



HYDROLOGY
CULVERT STA. 132+16 S.B.

MAGNITUDE - 2400 cfs
 FREQUENCY OF DESIGN STORM - 50 YEAR FLOOD
 WATER SURFACE ELEVATION - 372.0
 EXPECTED FOR THE DESIGN STORM

CHANGE IN QUANTITIES - CULVERT STA. 132+16 S.B.

ITEM	DESCRIPTION	UNIT	INCREASE	DECREASE	NET CHANGE
2E7B	SELECT GRANULAR FILL	C.Y.	-	45	-45
12A184	CORR. STRUCT. PLATE PIPE-ARCH, 18" x 18", 1260	L.F.	-	80	-80
60AZ	GRouted RIP-RAP	C.Y.	-	83	-83

THE ABOVE REVISION HAS EFFECTED CHANGES TO SHEETS NUMBERED 14, 35, 36, 37 AND 56 WHICH WILL NOT BE REVISED.

CULVERT DETAIL

STA. 132+16 S.B.
4 - CORRUGATED STRUCTURAL PLATE PIPE-ARCH CULVERTS
 15'-4" SPAN, 9'-3" RISE, ON 10° SKEW, #12 GAUGE
 EACH 236 FT. LONG
 228
PLAN SCALE
 1" = 20'-0"

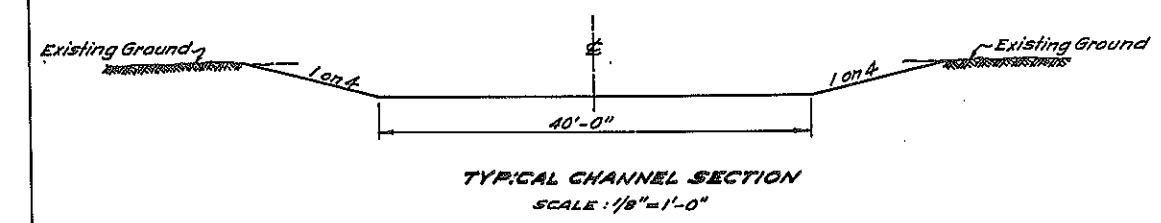
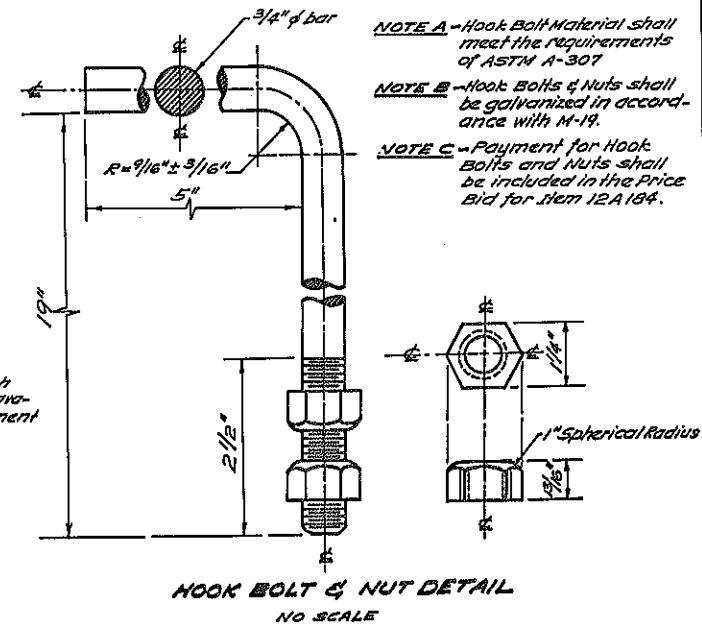
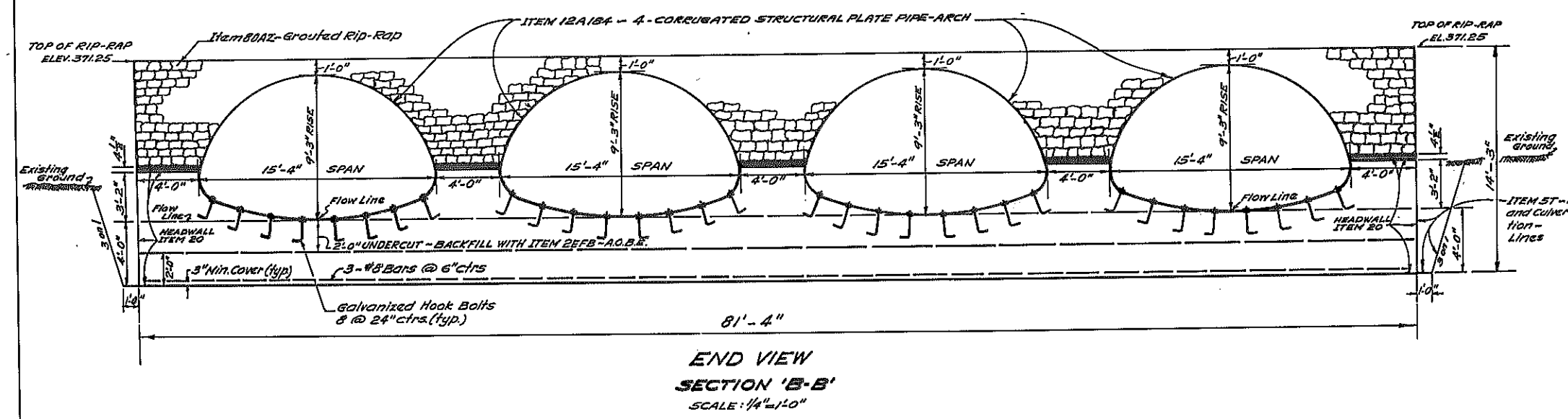
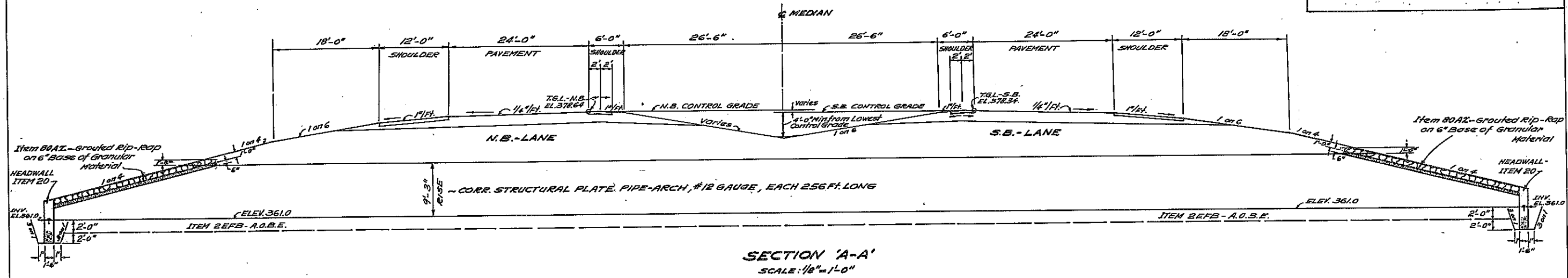
SEE SHEET NO. 3F1 FOR APPROVAL SIGNATURE

Prepared pursuant to the Highway Law, and recommended by *[Signature]* ENGINEER DIST. NO. 17 Dec. 19 69 MC-47 (2/64)

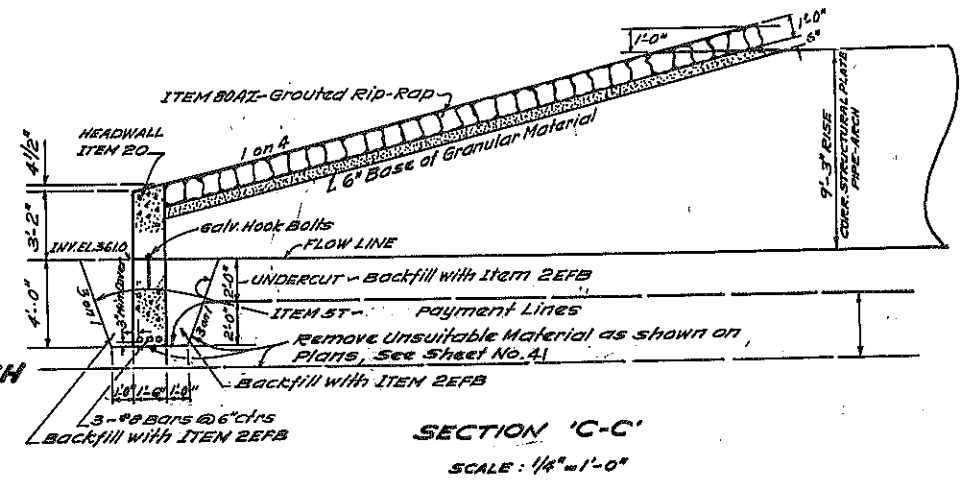
IN CHARGE OF *[Signature]*
 DESIGNED BY *[Signature]*
 ESTIMATE BY *[Signature]*
 DRAWN BY *[Signature]*
 CHECKED BY *[Signature]*

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		136	257

EUCLID-NORTH SYRACUSE, S.H.



CULVERT DETAILS (cont.)
 STA. 132+16 S.B.
CORRUGATED STRUCTURAL PLATE PIPE-ARCH
 15'-4" SPAN, 9'-3" RISE, #12 GAUGE

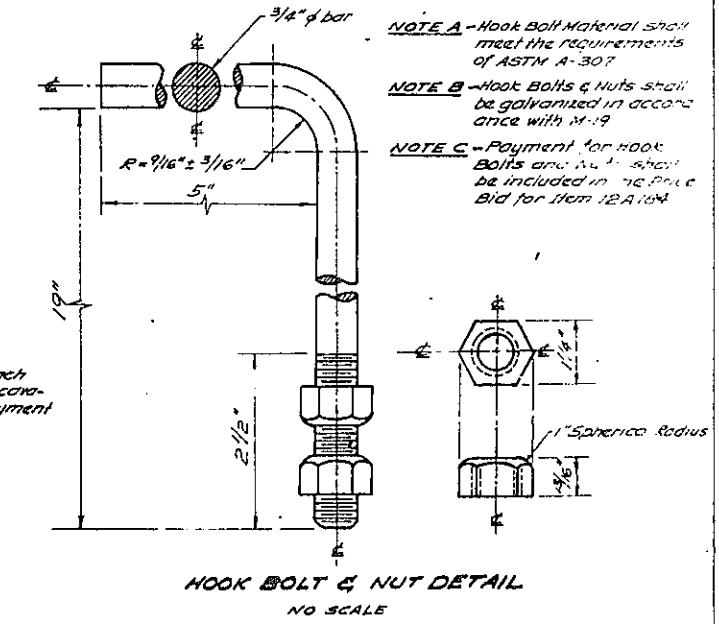
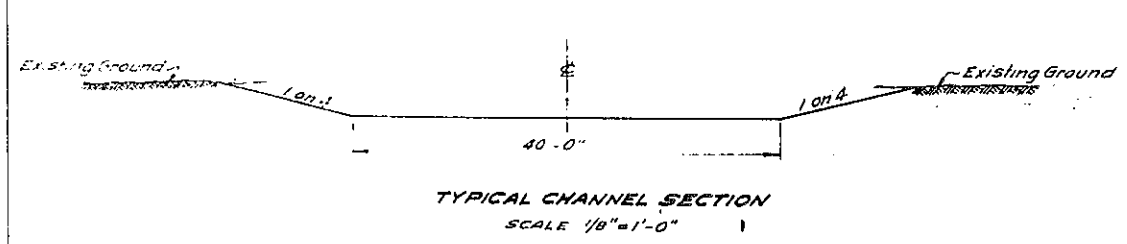
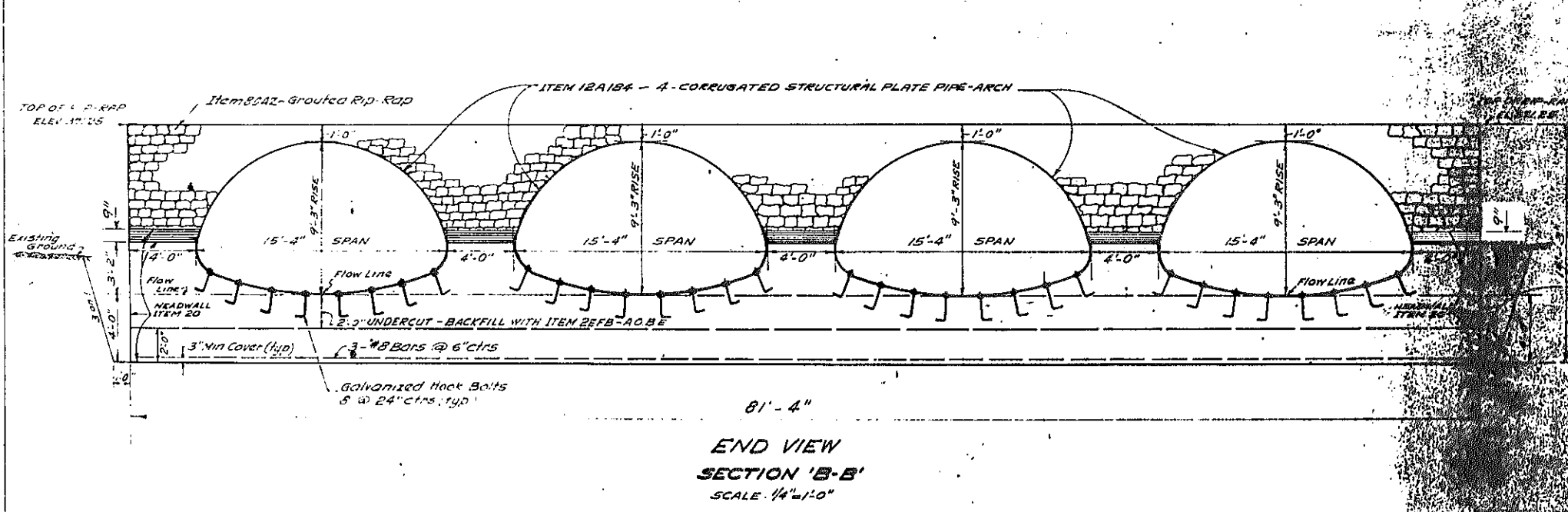
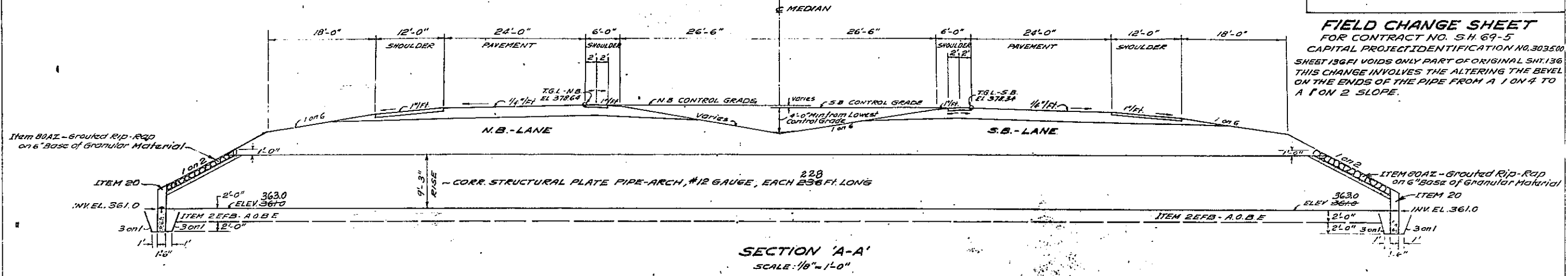


MADE BY: J. Sauter
 CHECKED BY: J. Sauter
 TRACED BY: J. Sauter
 CHECKED BY: J. Sauter

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		136FIR 257	257

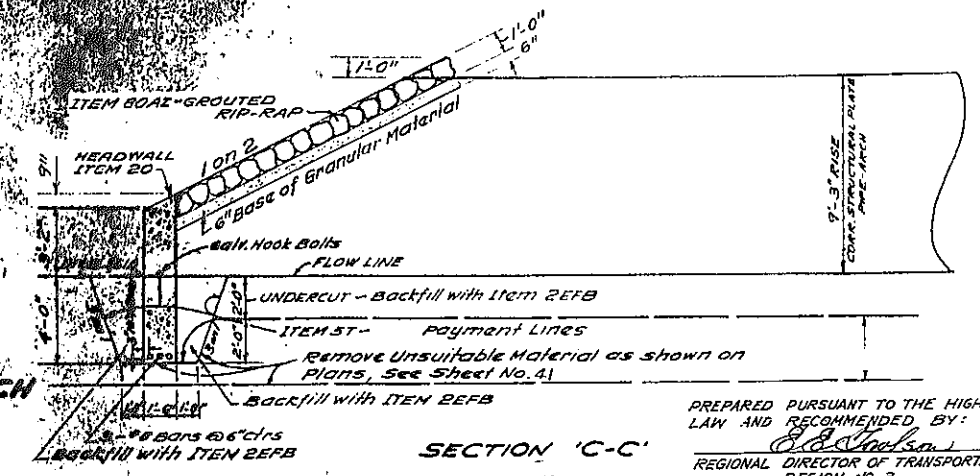
EUCLID-NORTH SYRACUSE, S.H. 69.5

FIELD CHANGE SHEET
 FOR CONTRACT NO. S.H. 69-5
 CAPITAL PROJECT IDENTIFICATION NO. 303500
 SHEET 136FIR VOIDS ONLY PART OF ORIGINAL SHT. 136
 THIS CHANGE INVOLVES THE ALTERING THE BEVEL ON THE ENDS OF THE PIPE FROM A 1 ON 4 TO A 1 ON 2 SLOPE.



- NOTE A** - Hook Bolt Material shall meet the requirements of ASTM A-307
- NOTE B** - Hook Bolts & Nuts shall be galvanized in accordance with M-19
- NOTE C** - Payment for Hook Bolts and Nuts shall be included in the Price Bid for Item 12A104

CULVERT DETAILS (cont.)
 STA. 132+16 S.B.
CORRUGATED STRUCTURAL PLATE PIPE-ARCH
 15'-4" SPAN, 9'-3" RISE, #12 GAUGE



PREPARED PURSUANT TO THE HIGHWAY LAW AND RECOMMENDED BY:
 REGIONAL DIRECTOR OF TRANSPORTATION REGION NO. 3
 DATE: 17 Dec 1969

MADE BY: J. Scuderi
 CHECKED BY: J. P. Shannon
 TRACED BY: J. Scuderi
 CHECKED BY: J. P. Shannon
 REVISED BY: J. Scuderi
 CHECKED BY: J. P. Shannon

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		137	257

EUCLID-NORTH SYRACUSE, S.H.

GENERAL NOTES

Design Specifications AASHO 1965 modified and current American Welding Society modified. The stresses assumed for design purposes conform to 1965 AASHO Specifications with the 28 day concrete stress ($f'c$) = 3000 psi minimum. L.L.H520-44.

Material and Construction Specifications: Specifications of N.Y.S. Department of Public Works dated January 2, 1962 with current additions and modifications.

The cost of furnishing and placing water used for sodding and selected granular fill will be paid for under Item 1W and 1WA of the highway portion of the contract.

Reinforcing bars shall be lapped a minimum of 24 diameters.

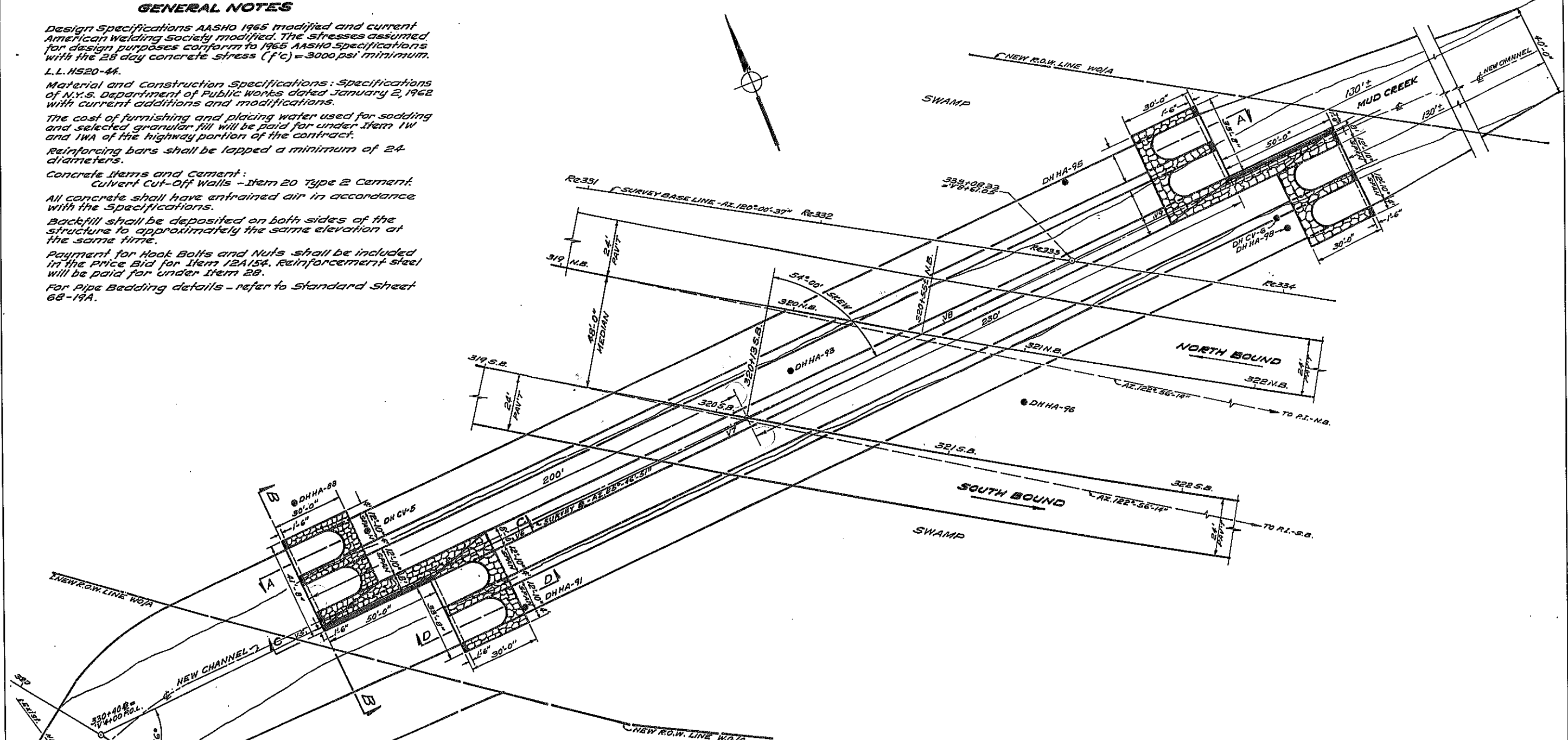
Concrete Items and Cement:
 Culvert Cut-Off Walls - Item 20 Type 2 Cement.

All concrete shall have entrained air in accordance with the Specifications.

Backfill shall be deposited on both sides of the structure to approximately the same elevation at the same time.

Payment for Hook Bolts and Nuts shall be included in the Price Bid for Item 12A154. Reinforcement steel will be paid for under Item 28.

For Pipe Bedding details - refer to Standard Sheet 68-19A.



CULVERT DETAIL
 STA. 320+13 S.B.
4 - CORRUGATED STRUCTURAL PLATE PIPE-ARCH CULVERTS
 12'-10" SPAN, 8'-4" RISE, ON 54° SKEW, #12 GAUGE
 EACH 430 FT. LONG
 PLAN SCALE:
 1" = 20'-0"

HYDROLOGY
 CULVERT STA. 320+13 S.B.
 MAGNITUDE - 1875 cf/s
 FREQUENCY OF DESIGN STORM - 50 YEAR FLOOD
 WATER SURFACE ELEVATION - 375.0
 EXPECTED FOR THE DESIGN STORM

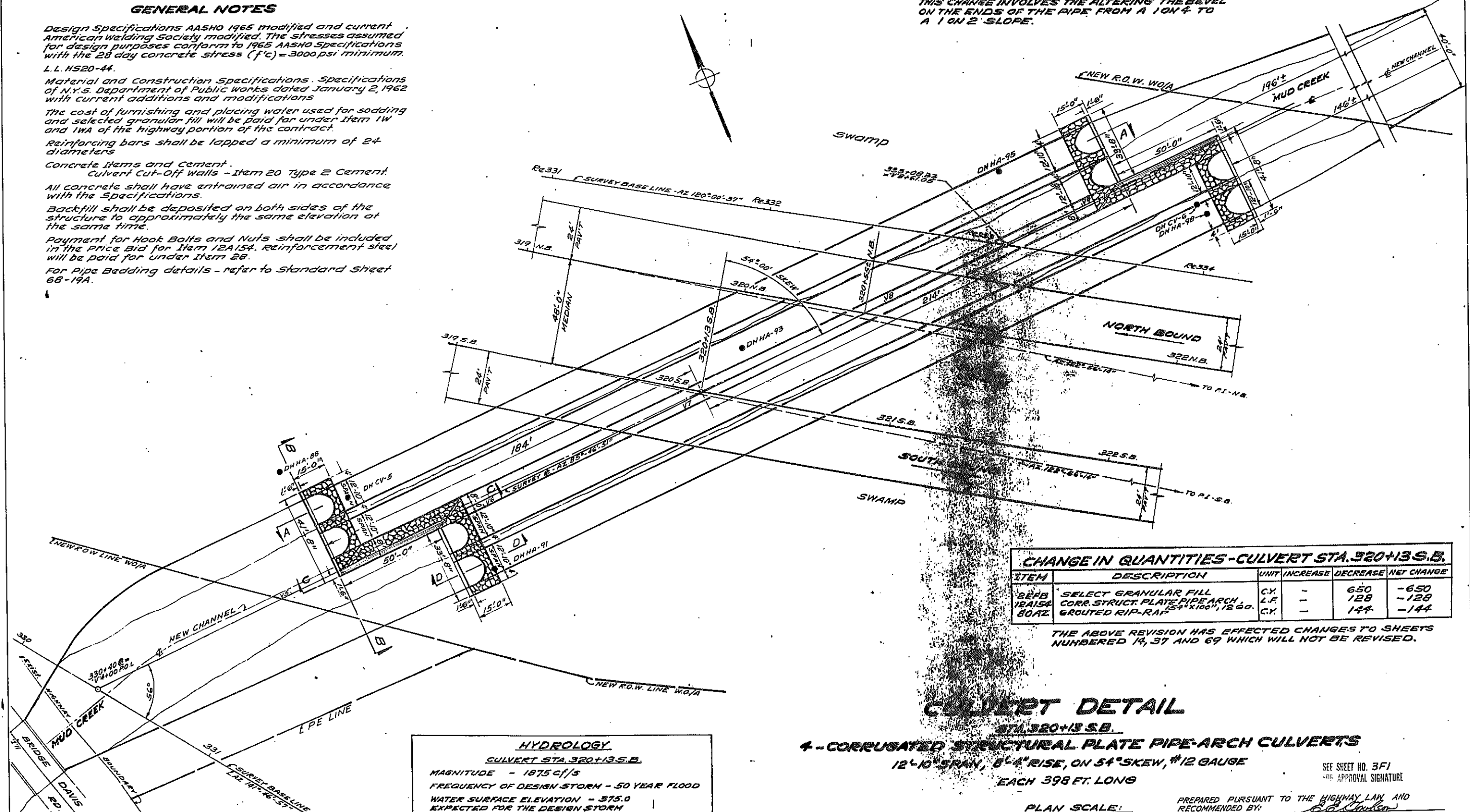
John E. Shannon
 MADE BY
 L. S. Sautter
 CHECKED BY
 John E. Shannon
 TRACED BY
 John E. Shannon
 CHECKED BY

FED. RD. RES. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		137F1	257
EUCLID-NORTH SYRACUSE, S.H.				

FIELD CHANGE SHEET
 FOR CONTRACT NO. S.H. 69-5
 CAPITAL PROJECT IDENTIFICATION NO. 3035.00
 SHEET 137F1 VOIDS ONLY PART OF ORIGINAL SHT. 137.
 THIS CHANGE INVOLVES THE ALTERING THE BEVEL ON THE ENDS OF THE PIPE FROM A 1 ON 4 TO A 1 ON 2 SLOPE.

GENERAL NOTES

Design Specifications AASHTO 1965 modified and current American Welding Society modified. The stresses assumed for design purposes conform to 1965 AASHTO Specifications with the 28 day concrete stress (f'_c) = 3000 psi minimum. L.L. HS20-44.
 Material and Construction Specifications. Specifications of N.Y.S. Department of Public Works dated January 2, 1962 with current additions and modifications.
 The cost of furnishing and placing water used for sodding and selected granular fill will be paid for under item 1W and 1WA of the highway portion of the contract.
 Reinforcing bars shall be lapped a minimum of 24 diameters.
 Concrete Items and Cement.
 Culvert Cut-Off Walls - Item 20 Type 2 Cement.
 All concrete shall have entrained air in accordance with the Specifications.
 Backfill shall be deposited on both sides of the structure to approximately the same elevation at the same time.
 Payment for Hook Bolts and Nuts shall be included in the Price Bid for Item 12A154. Reinforcement steel will be paid for under Item 28.
 For Pipe Bedding details - refer to Standard Sheet 68-19A.



CHANGE IN QUANTITIES - CULVERT STA. 320+13 S.B.

ITEM	DESCRIPTION	UNIT	INCREASE	DECREASE	NET CHANGE
28FB	SELECT GRANULAR FILL	C.Y.	-	650	-650
18A154	CORR. STRUCT. PLATE PIPE ARCH	L.F.	-	128	-128
80AZ	GROUTED RIP-RAP 5'-4\" x 10\" x 12\"	C.Y.	-	144	-144

THE ABOVE REVISION HAS EFFECTED CHANGES TO SHEETS NUMBERED 14, 37 AND 69 WHICH WILL NOT BE REVISED.

HYDROLOGY
 CULVERT STA. 320+13 S.B.
 MAGNITUDE - 1875 cfs
 FREQUENCY OF DESIGN STORM - 50 YEAR FLOOD
 WATER SURFACE ELEVATION - 375.0
 EXPECTED FOR THE DESIGN STORM

CULVERT DETAIL
 STA. 320+13 S.B.
4 - CORRUGATED STRUCTURAL PLATE PIPE-ARCH CULVERTS
 12'-10\" SPAN, 8'-4\" RISE, ON 54° SKEW, #12 GAUGE
 EACH 398 FT. LONG

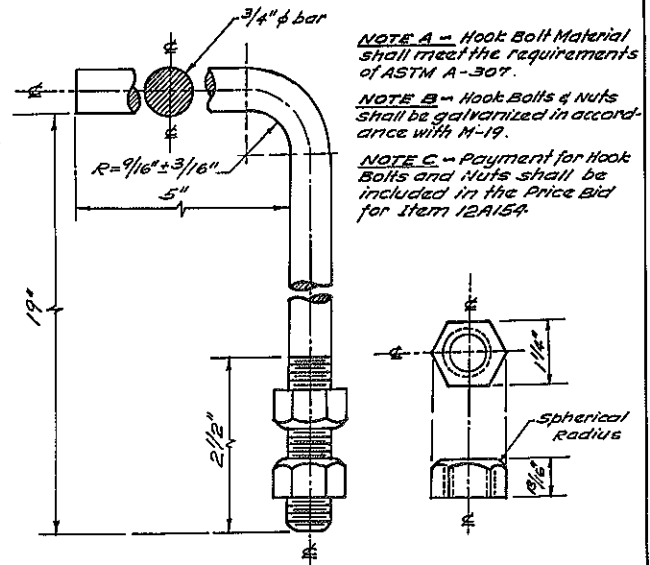
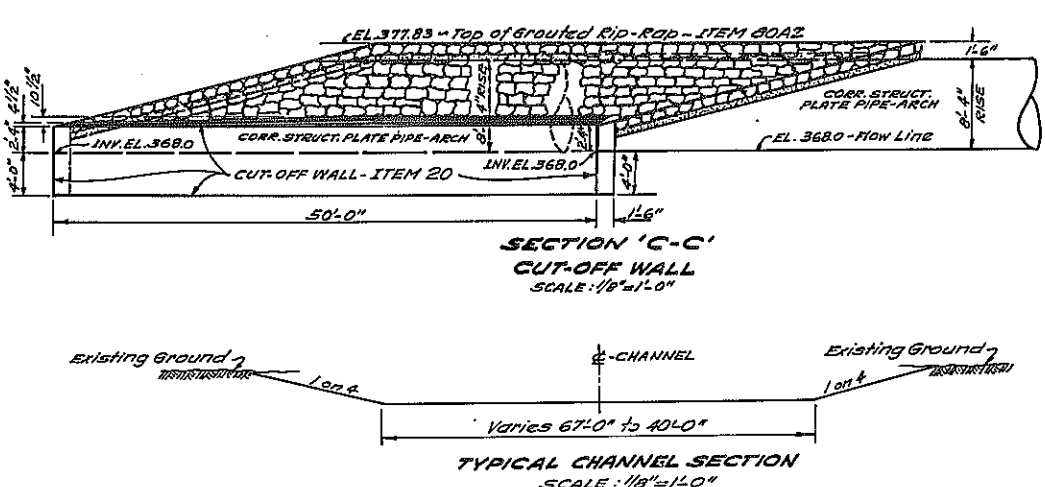
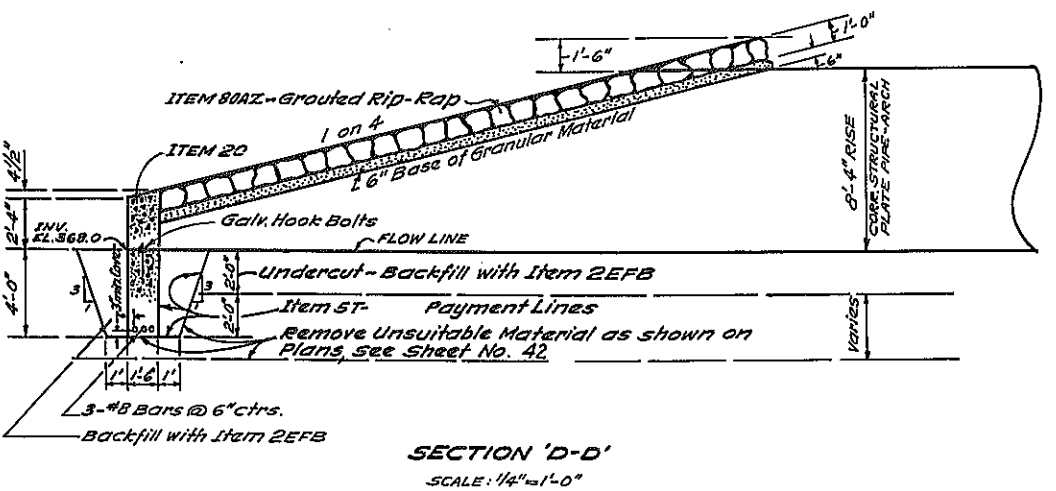
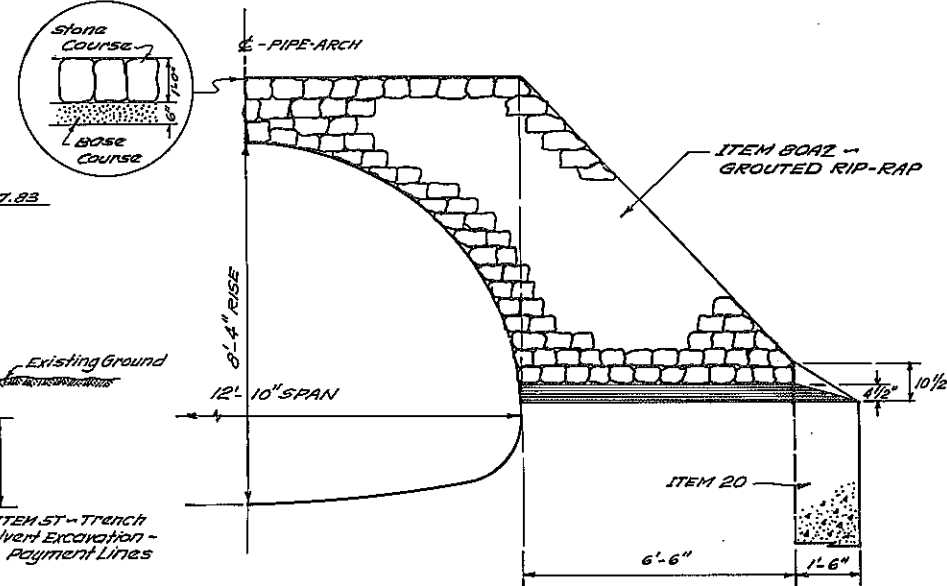
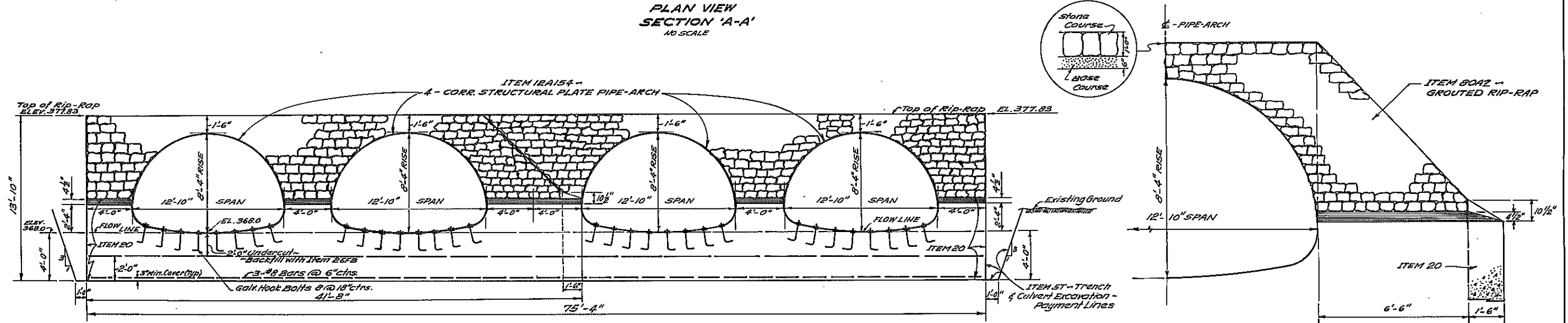
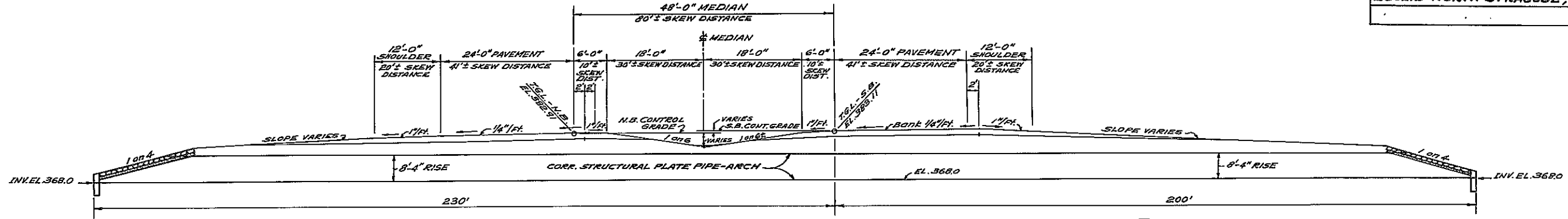
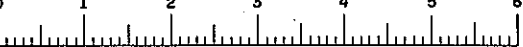
PLAN SCALE:
 1" = 20'-0"

SEE SHEET NO. 3F1
 APPROVAL SIGNATURE
 PREPARED PURSUANT TO THE HIGHWAY LAW AND RECOMMENDED BY:
 REGIONAL DIRECTOR OF TRANSPORTATION REGION NO. 3
 DATE: 17 Dec. 1967

MADE BY: *John C. Shannon*
 CHECKED BY: *E. Saulitz*
 TRACED BY: *E. Saulitz*
 CHECKED BY: *Paul C. Shannon*
 REVISED BY: *John C. Shannon*
 CHECKED BY: *E. Saulitz*

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		138	257

EUCLID-NORTH SYRACUSE, S.H.



CULVERT DETAILS (cont.)

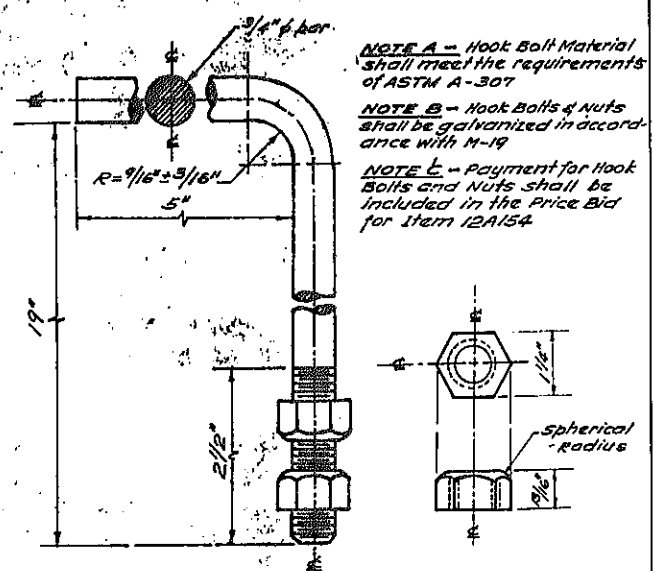
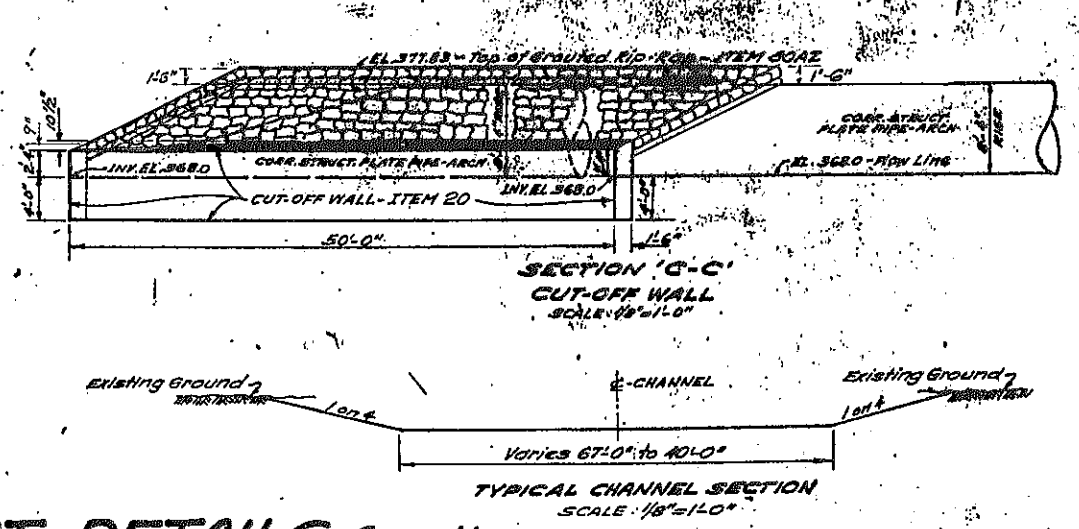
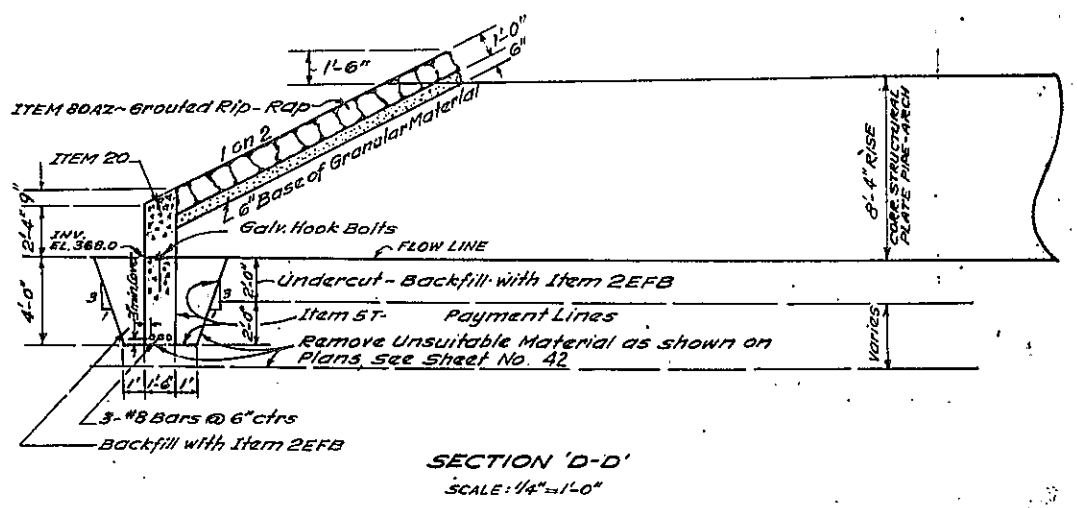
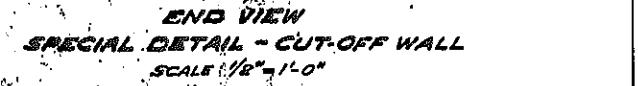
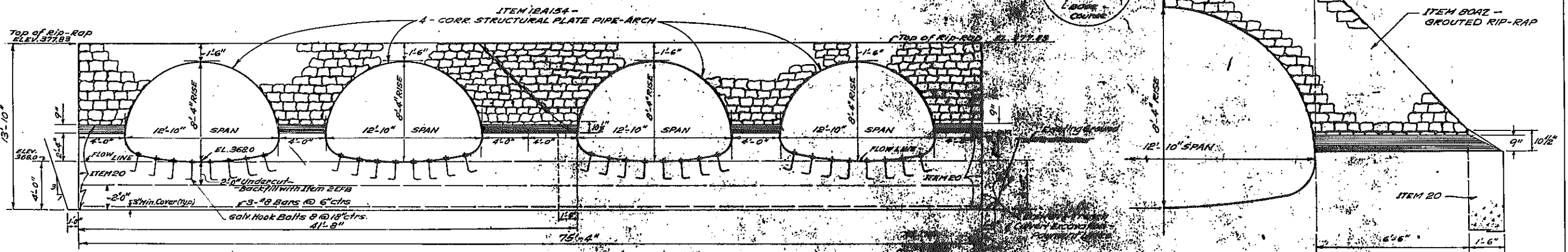
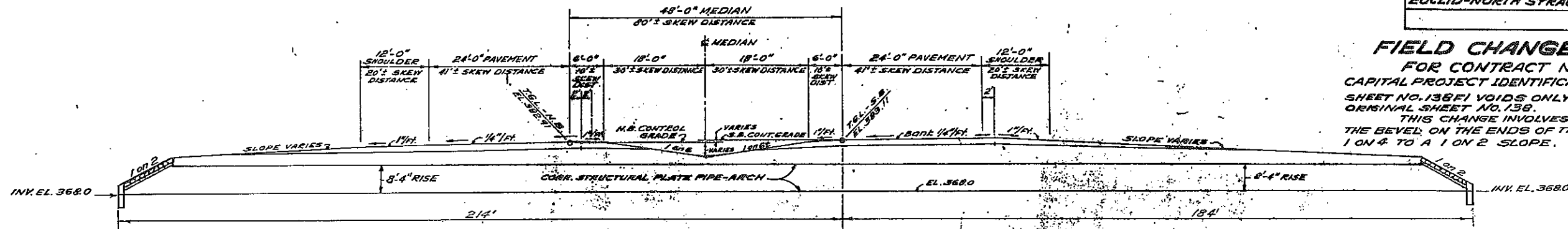
STA. 320+13 S.B.
CORR. STRUCTURAL PLATE PIPE-ARCH
 12'-10" SPAN BY 8'-4" RISE, #12 GAUGE

MADE BY: *John E. Shannon*
 CHECKED BY: *E. Paulwitz*
 TRACED BY: *E. Paulwitz*
 CHECKED BY: *John E. Shannon*

FED. RD. DIST. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		138 F1	257

EUCLID-NORTH SYRACUSE, S.H.

FIELD CHANGE SHEET
 FOR CONTRACT NO. S.H. 69-5
 CAPITAL PROJECT IDENTIFICATION NO. 3035.00
 SHEET NO. 138 F1 VOIDS ONLY PART OF ORIGINAL SHEET NO. 138.
 THIS CHANGE INVOLVES THE ALTERING THE BEVEL ON THE ENDS OF THE PIPE FROM A 1 ON 4 TO A 1 ON 2 SLOPE.



NOTE A - Hook Bolt Material shall meet the requirements of ASTM A-307
NOTE B - Hook Bolts & Nuts shall be galvanized in accordance with M-19
NOTE C - Payment for Hook Bolts and Nuts shall be included in the Price Bid for Item 12A154

CULVERT DETAILS (cont.)

STA. 320+13 S.B.
CORR. STRUCTURAL PLATE PIPE-ARCH
 12'-10" SPAN BY 8'-4" RISE, #12 GAUGE

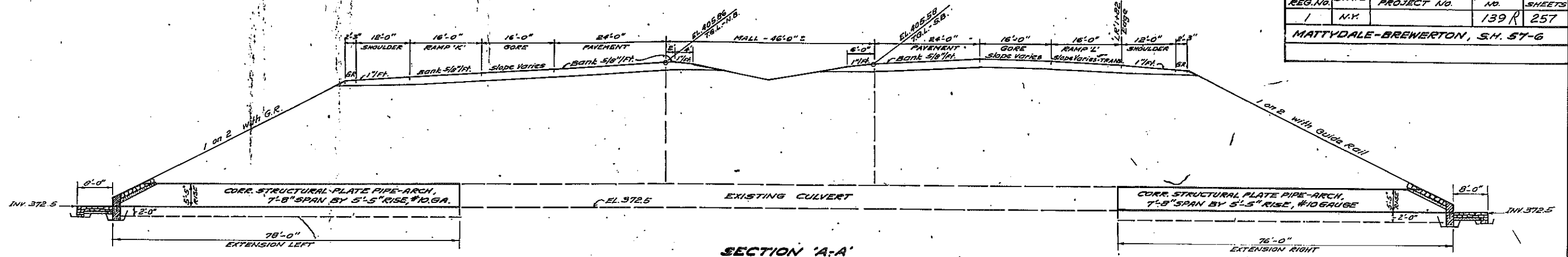
PREPARED PURSUANT TO THE HIGHWAY LAW AND RECOMMENDED BY:
 REGIONAL DIRECTOR OF TRANSPORTATION REGION NO. 3
 DATE: 17 Dec. 1969

SEE SHEET NO. 3F1 FOR APPROVAL SIGNATURE
HOOK BOLT & NUT DETAIL
 NO SCALE

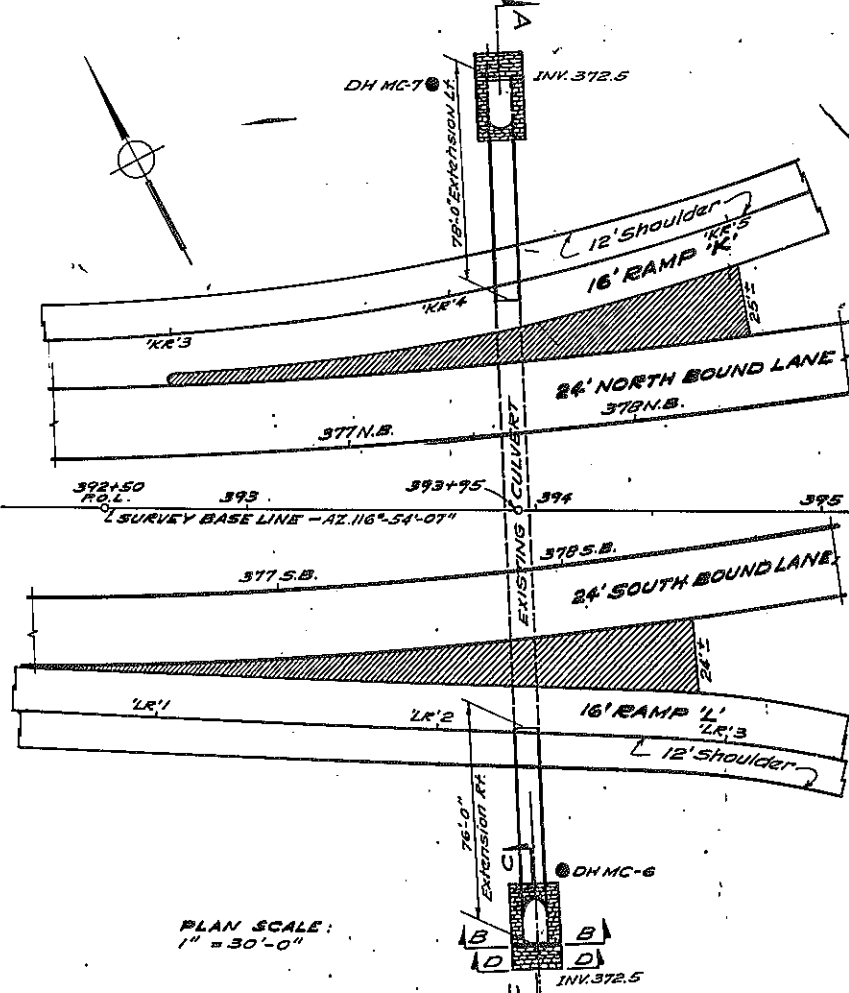
John C. Shannon E. Scubietz
 REVISED BY CHECKED BY
 John C. Shannon E. Scubietz E. Scubietz John C. Shannon
 MADE BY CHECKED BY TRACED BY CHECKED BY

FED RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		139 R	257

MATTYDALE-BREWERTON, S.H. 57-6



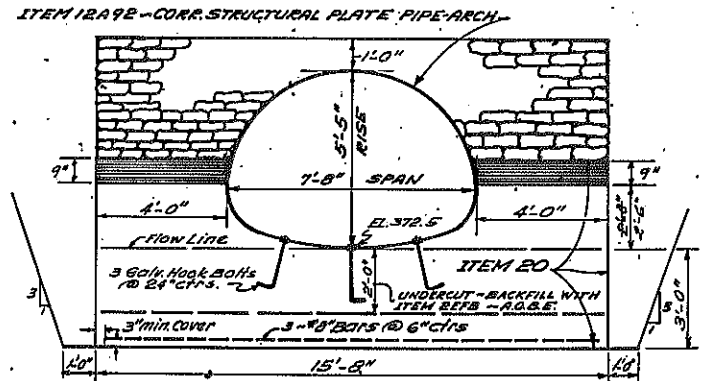
SECTION 'A-A'
 STA. 377+58 N.B.
 CORRUGATED STRUCTURAL PLATE PIPE-ARCH CULVERT EXTENSION (LEFT & RIGHT)
 7'-8" SPAN BY 5'-5" RISE, #10 GAUGE
 78 Ft. Long Left, 76 Ft. Long Right
 SCALE: 3/32" = 1'-0"



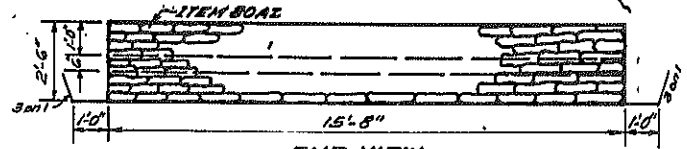
PLAN SCALE:
 1" = 30'-0"

CULVERT DETAIL
 STA. 377+58 N.B.
 CORR. STRUCTURAL PLATE PIPE-ARCH CULVERT EXTENSION (L & R)
 7'-8" SPAN BY 5'-5" RISE, #10 GAUGE, 78 FT. LONG L, 76 FT. LONG R.

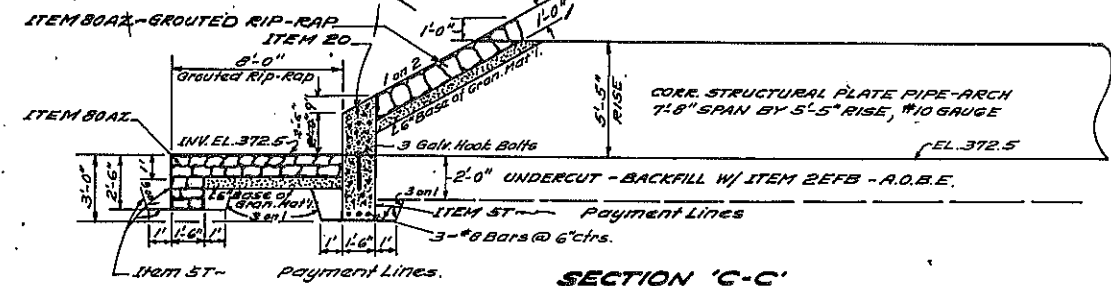
E. Scubety J. C. Blanton E. Scubety J. C. Blanton
 MADE BY CHECKED BY TRACED BY CHECKED BY



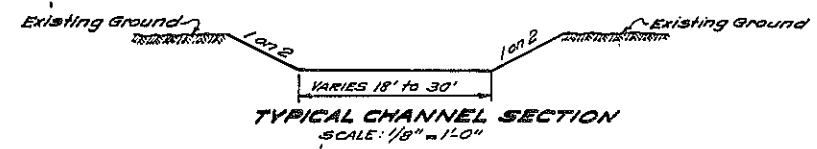
END VIEW SECTION 'B-B'
 SCALE: 3/8" = 1'-0"



END VIEW SECTION 'D-D'
 GROUTED RIP-RAP APRON
 SCALE: 3/8" = 1'-0"



SECTION 'C-C'
 SCALE: 1/4" = 1'-0"



TYPICAL CHANNEL SECTION
 SCALE: 1/8" = 1'-0"

GENERAL NOTES

Design Specifications AASHTO 1965 modified and current American Welding Society modified. The stresses assumed for design purposes conform to 1965 AASHTO Specifications with the 28 day concrete stress (f'_c) = 3000 psi minimum.

L.L. H520-44.

Material and construction Specifications: Specifications of N.Y.S. Department of Public Works dated January 2, 1962 with current additions and modifications.

The cost of furnishing and placing water used for sodding and selected granular fill will be paid for under Item 1W and 1WA of the highway portion of the contract.

Reinforcing bars shall be lapped a minimum of 24 diameters.

Concrete Items and cement:
 Culvert Cut-off Walls - Item 20 Type 2 Cement.

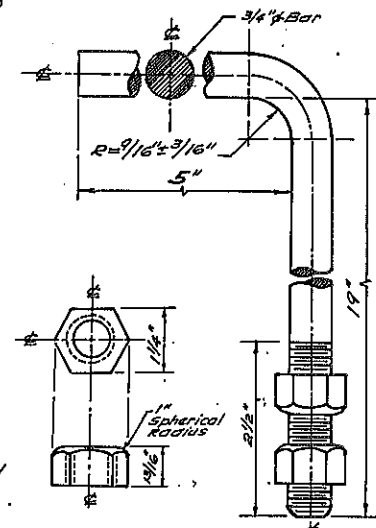
All concrete shall have entrained air in accordance with the Specifications.

Backfill shall be deposited on both sides of the structure to approximately the same elevation at the same time.

Payment for Hook Bolts and Nuts shall be included in the Price Bid for Item 12A92. Reinforcement steel will be paid for under Item 2B.

For Pipe Bedding details - refer to Standard Sheet 68-19A.

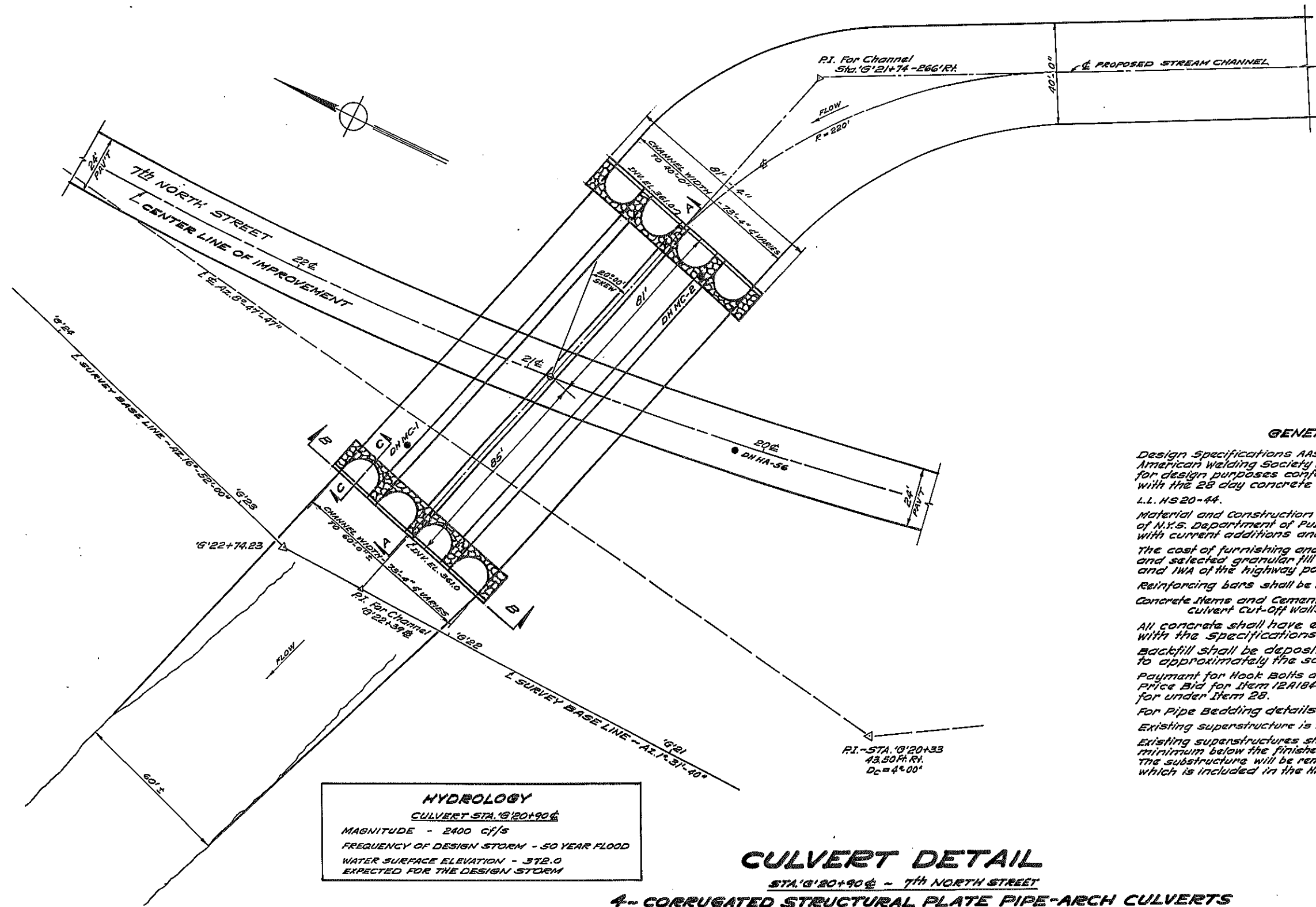
Payment for removal of the existing Bevel Ends shall be included in the Price Bid for Item 12A92.



HOOK BOLT & NUT DETAIL
 No Scale

- NOTE A** - Hook Bolt Material shall meet requirements of ASTM A-307
- NOTE B** - Hook Bolts & Nuts shall be galvanized in accordance with M-19.
- NOTE C** - Payment for Hook Bolts and Nuts shall be included in the Price Bid for Item 12A92.

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		140	257
EUCLID-NORTH SYRACUSE, S.H.				



GENERAL NOTES

Design Specifications AASHO 1965 modified and current American Welding Society modified. The stresses assumed for design purposes conform to 1965 AASHO specifications with the 28 day concrete stress (f'c) = 3000 psi minimum. L.L. HS 20-44.

Material and Construction Specifications: Specifications of N.Y.S. Department of Public Works dated January 2, 1962 with current additions and modifications.

The cost of furnishing and placing water used for sodding and selected granular fill will be paid for under Item 1W and IWA of the highway portion of the contract.

Reinforcing bars shall be lapped a minimum of 24 diameters.

Concrete Items and Cement:
Culvert Cut-Off Walls - Item 20 Type 2 Cement.

All concrete shall have entrained air in accordance with the specifications.

Backfill shall be deposited on both sides of the structure to approximately the same elevation at the same time.

Payment for Hook Bolts and Nuts shall be included in the Price Bid for Item 12A184A. Reinforcement steel will be paid for under Item 28.

For Pipe Bedding details - refer to standard Sheet 68-19A.

Existing superstructure is to be removed under Item 81A.

Existing superstructures shall be removed to a point one foot minimum below the finished ground surface. The substructure will be removed and paid for under Item 2 which is included in the Highway Estimate.

HYDROLOGY
 CULVERT STA. 'G'20+90.6
 MAGNITUDE - 2400 cfs
 FREQUENCY OF DESIGN STORM - 50 YEAR FLOOD
 WATER SURFACE ELEVATION - 372.0
 EXPECTED FOR THE DESIGN STORM

CULVERT DETAIL

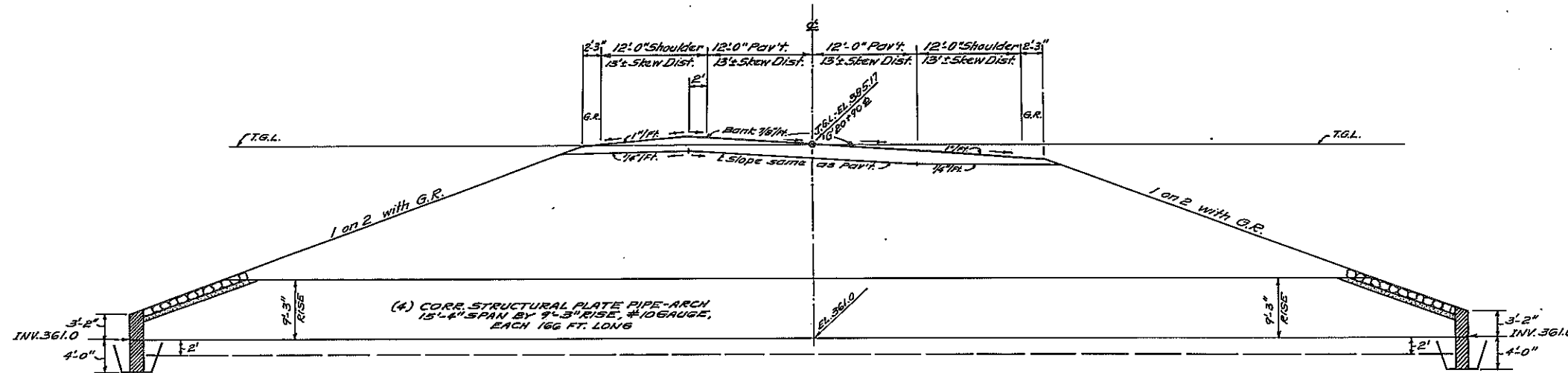
STA. 'G'20+90.6 - 7th NORTH STREET
4 - CORRUGATED STRUCTURAL PLATE PIPE-ARCH CULVERTS
 15'-4" SPAN BY 9'-3" RISE, ON 20° SKEW, #10 GAUGE
 EACH 166 FT. LONG

PLAN SCALE: 1" = 20'-0"

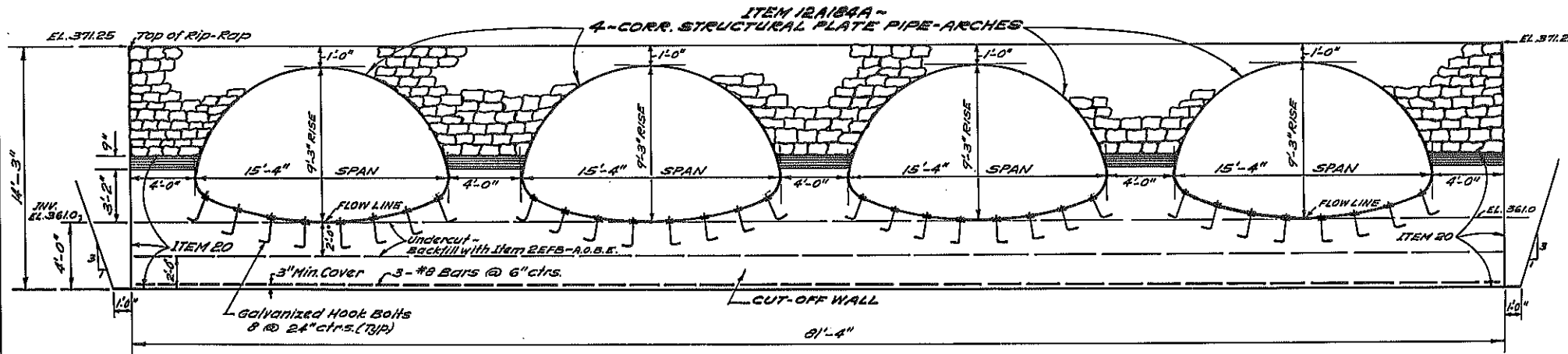
MADE BY: *E. Scullitti*
 CHECKED BY: *J. P. Mason*
 TRACED BY: *E. Scullitti*
 CHECKED BY: *J. P. Mason*

FED. RD. PROJ. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		141	257

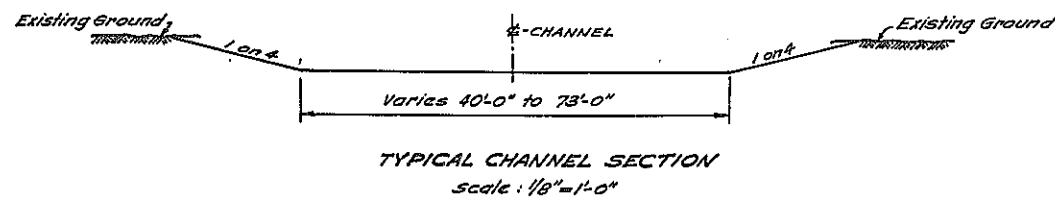
EUCLID-NORTH SYRACUSE, S.H.



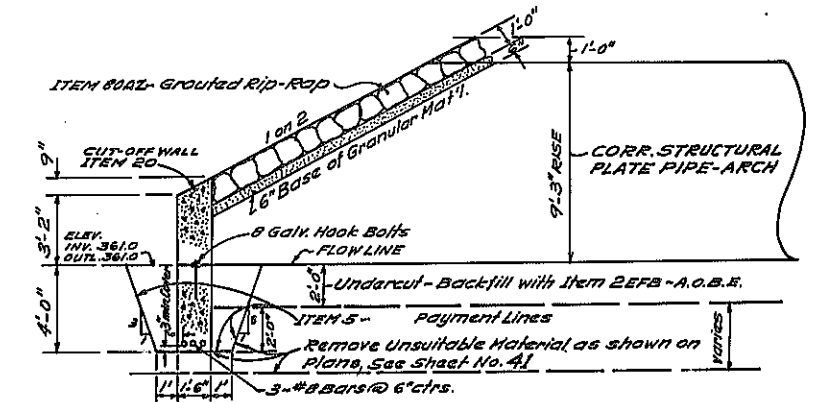
SECTION 'A-A'
7th NORTH STREET
STA. 'G' 20+90
NO SCALE



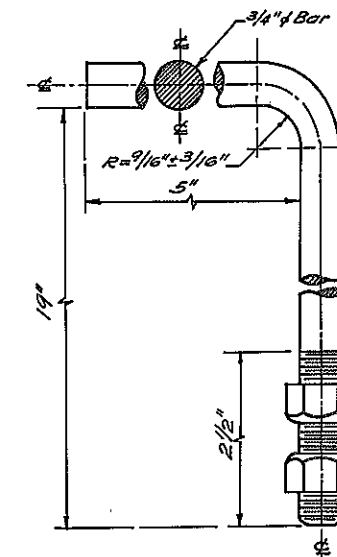
END VIEW SECTION 'B-B'
SCALE: 1/4"=1'-0"



CULVERT DETAILS (cont.)
7th NORTH STREET
STA. 'G' 20+90
CORRUGATED STRUCTURAL PLATE PIPE-ARCH
15'-4" SPAN BY 9'-3" RISE, ON 20° SKEW, #10 GAUGE



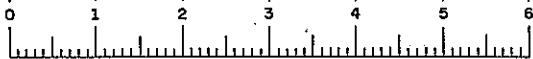
SECTION 'C-C'
SCALE: 1/4"=1'-0"



HOOK BOLT & NUT DETAIL
NO SCALE

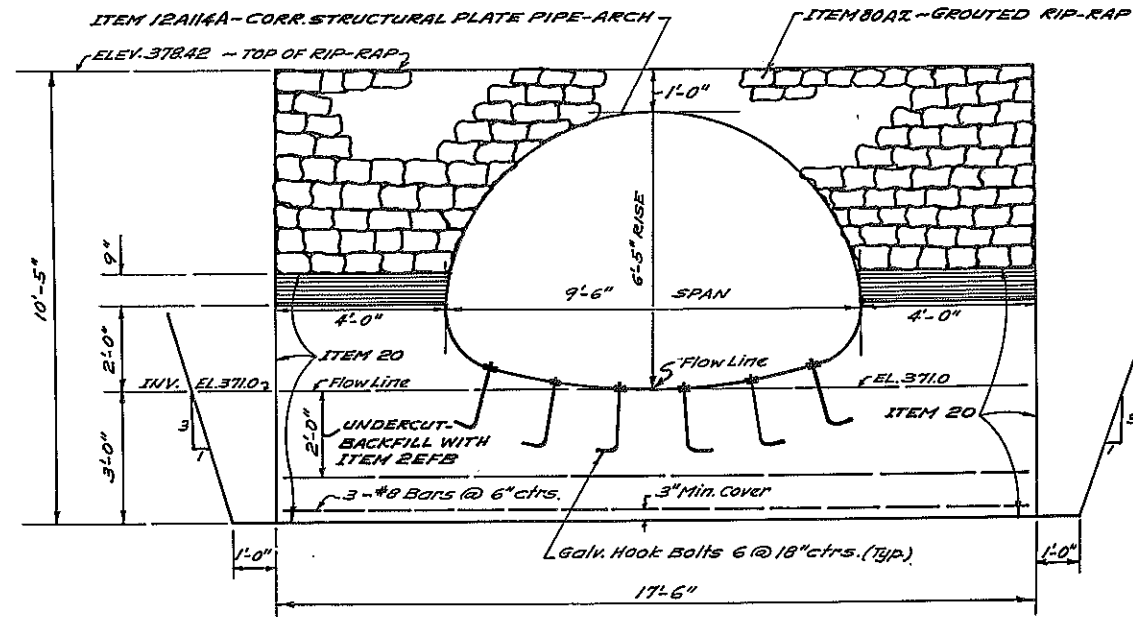
- NOTE A** - Hook Bolt Material shall meet the requirements of ASTM A-307.
- NOTE B** - Hook Bolts & Nuts shall be galvanized in accordance with M-19.
- NOTE C** - Payment for Hook Bolts and Nuts shall be included in the Price Bid for Item 12A184A.

MADE BY *E. Sawicki* / CHECKED BY *John P. Shannon* / TRACED BY *E. Sawicki* / CHECKED BY *John P. Shannon*

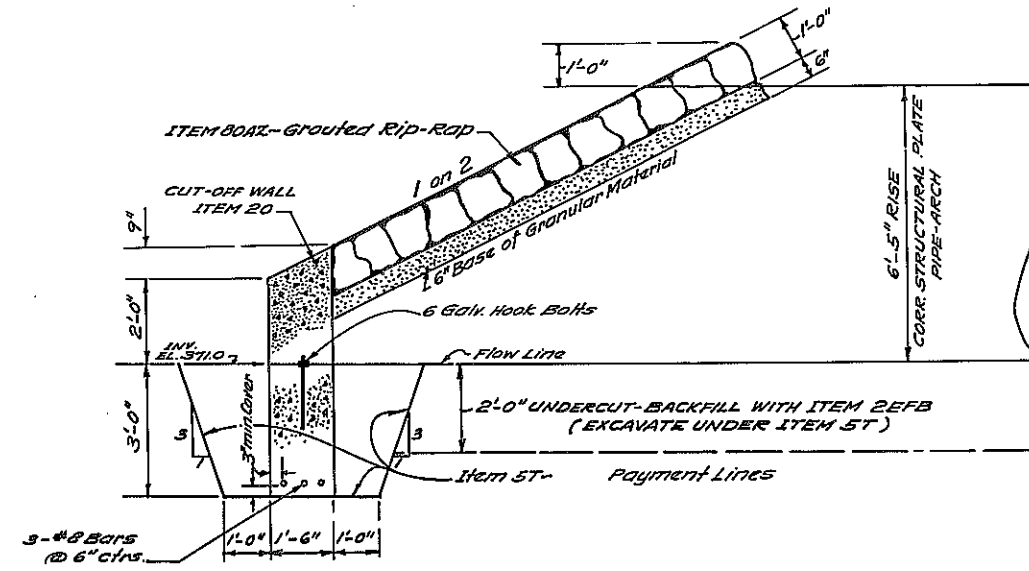


FED. AID RES. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		142	257

EUCLID-NORTH SYRACUSE, S.H.



END VIEW
SCALE: 1/2" = 1'-0"



ELEVATION
SCALE: 1/2" = 1'-0"

GENERAL NOTES

Design Specifications AASHO 1965 modified and current American Welding Society modified. The stresses assumed for design purposes conform to 1965 AASHO specifications with the 28 day concrete stress (f'c) = 3000 psi minimum.

L.L. NS20-44.

Material and Construction Specifications: Specifications of N.Y.S. Department of Public Works dated January 2, 1962 with current additions and modifications.

The cost of furnishing and placing water used for sodding and selected granular fill will be paid for under Item 1W and 1WA of the highway portion of the contract.

Reinforcing bars shall be lapped a minimum of 24 diameters.

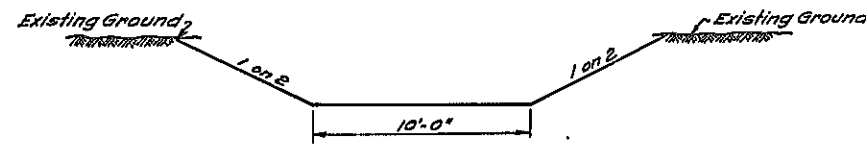
Concrete Items and Cement:
Culvert Cut-off Walls - Item 20 Type 2 Cement.

All concrete shall have entrained air in accordance with the specifications.

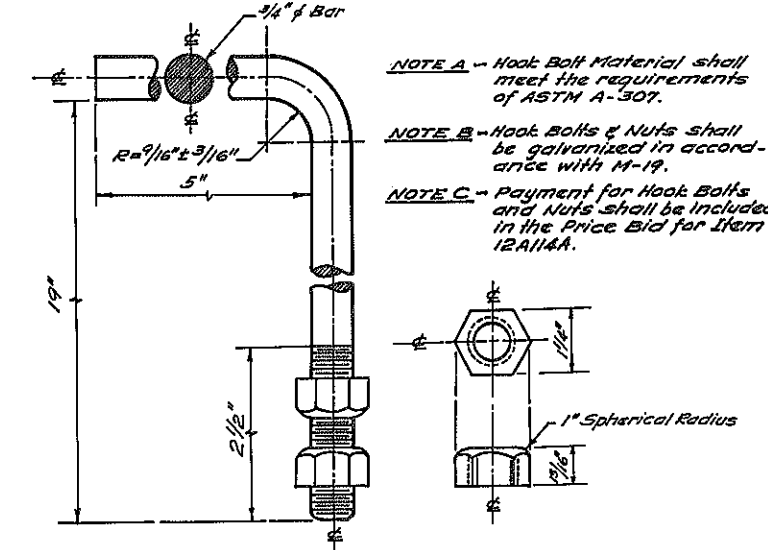
Backfill shall be deposited on both sides of the structure to approximately the same elevation at the same time.

Payment for Hook Bolts and Nuts shall be included in the Price Bid for Item 12A114A. Reinforcement steel will be paid for under Item 2B.

For Pipe Bedding details - refer to standard sheet 68-19A.



TYPICAL CHANNEL SECTION
SCALE: 1/4" = 1'-0"



HOOK BOLT & NUT DETAIL
No Scale

NOTE A - Hook Bolt Material shall meet the requirements of ASTM A-307.

NOTE B - Hook Bolts & Nuts shall be galvanized in accordance with M-19.

NOTE C - Payment for Hook Bolts and Nuts shall be included in the Price Bid for Item 12A114A.

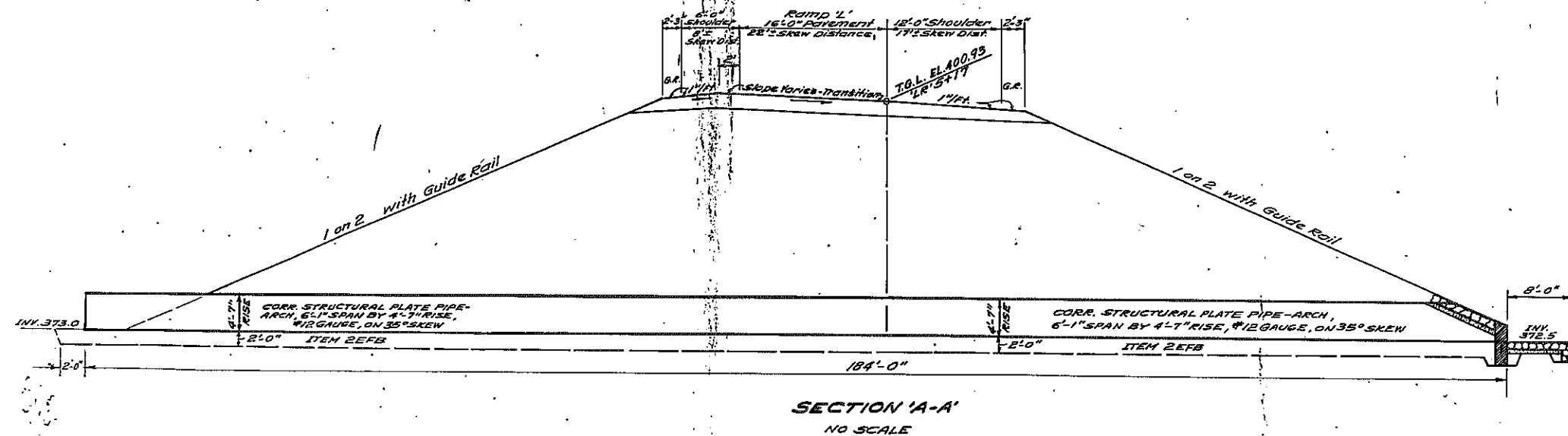
CULVERT DETAILS

MORGAN ROAD
STA. E'S+80
CORRUGATED STRUCTURAL PLATE PIPE-ARCH CULVERT
9'-6" SPAN BY 6'-5" RISE, ON 35° SKEW, #10 GAUGE
252 FT. LONG

MADE BY: *E. Saubert*
CHECKED BY: *John C. Shannon*
TRACED BY: *E. Saubert*
CHECKED BY: *John C. Shannon*

FED. RD. DIST. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	NK		143R	257

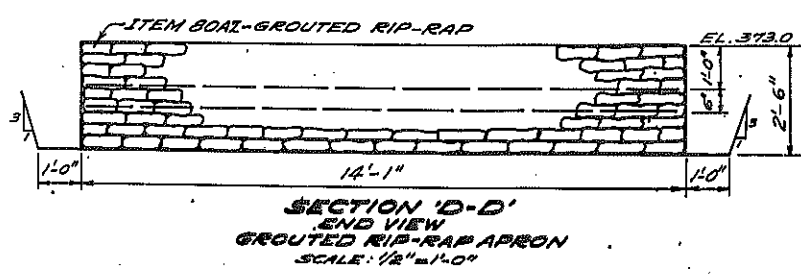
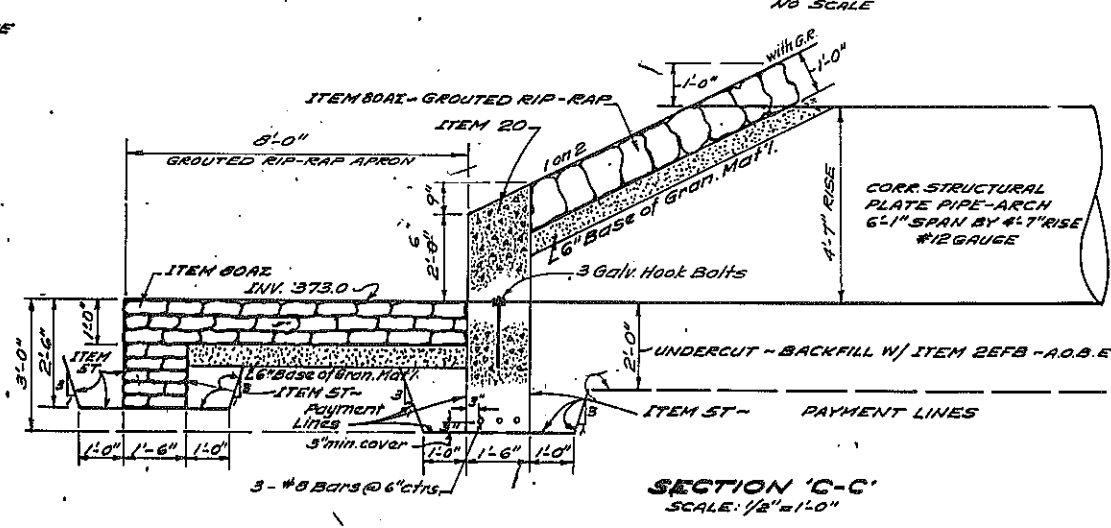
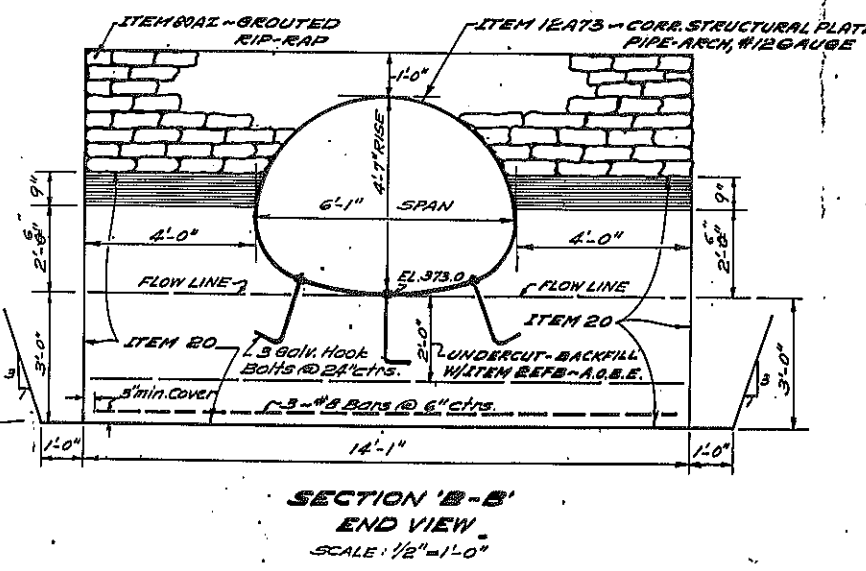
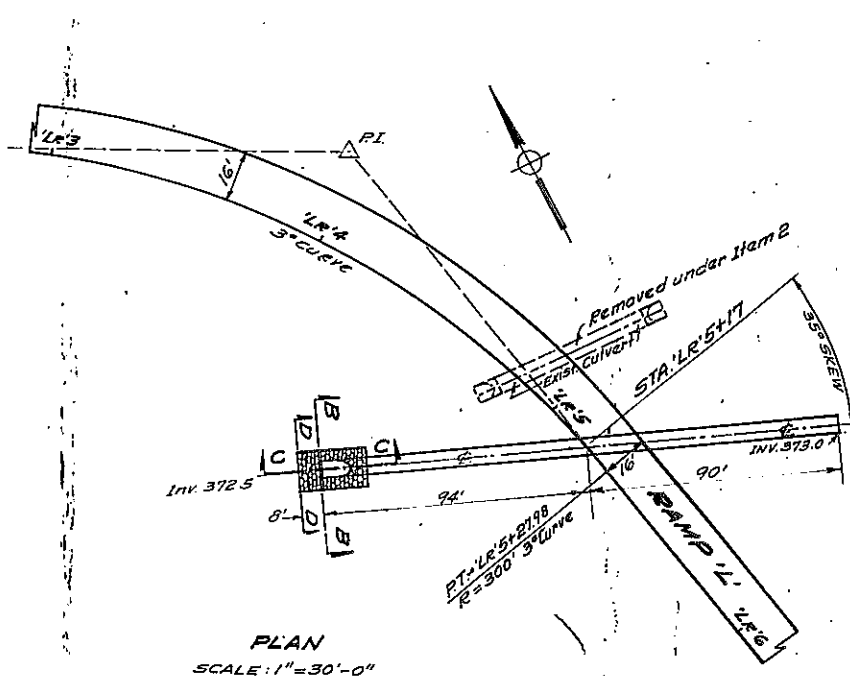
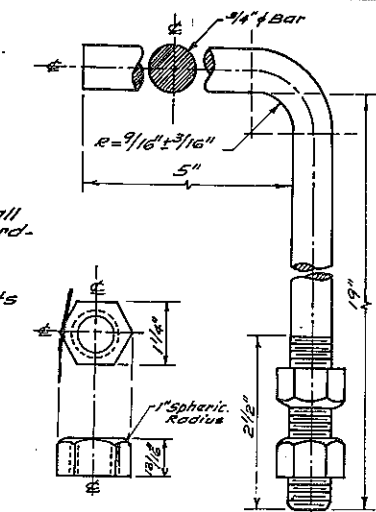
MATTYDALE-BREWERTON, SH. ST-6



NOTE A
Hook Bolt Material shall meet requirements of ASTM A-307

NOTE B
Hook Bolts & Nuts shall be galvanized in accordance with M-19

NOTE C
Payment for Hook Bolts and Nuts shall be included in the Price Bid for Item 12A73



GULVERT DETAILS

RAMP 'L'
STA. LR 5+17
CORR. STRUCTURAL PLATE PIPE-ARCH CULVERT
6'-1\"/>

GENERAL NOTES

Design Specifications AASHTO 1965 modified and current American Welding Society modified. The stresses assumed for design purposes conform to 1965 AASHTO specifications with the 28 day concrete stress (f'_c) = 3000 psi minimum.

L.L. H-20-44.

Material and construction specifications: Specifications of N.Y.S. Department of Public Works dated January 2, 1962 with current additions and modifications.

The cost of furnishing and placing water used for sodding and selected granular fill will be paid for under Item 1W and 1WA of the highway portion of the contract.

Reinforcing bars shall be lapped a minimum of 24 diameters.

Concrete Items and cement: Culvert Cut-off walls - Item 20 Type 2 Cement.

All concrete shall have entrained air in accordance with the Specifications.

Backfill shall be deposited on both sides of the structure to approximately the same elevation at the same time.

Payment for Hook Bolts and Nuts shall be included in the Price Bid for Item 12A73. Reinforcement Steel will be paid for under Item 28.

For Pipe Bedding details - refer to Standard sheet 68-19A.

Removal of Existing Grouted Rip-Rap will be paid for under Item 2.

Payment for the removal of the existing Bevel Ends shall be included in the Price Bid for Item 12A73.

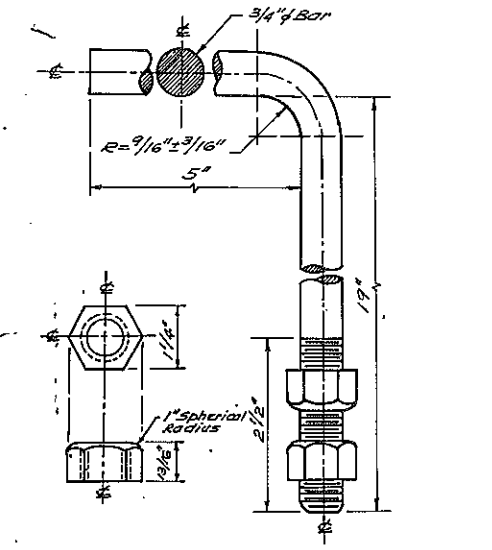
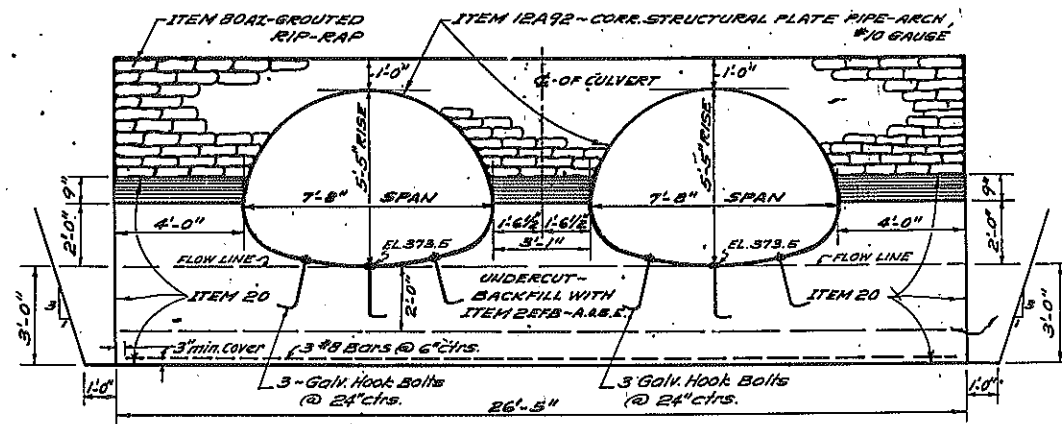
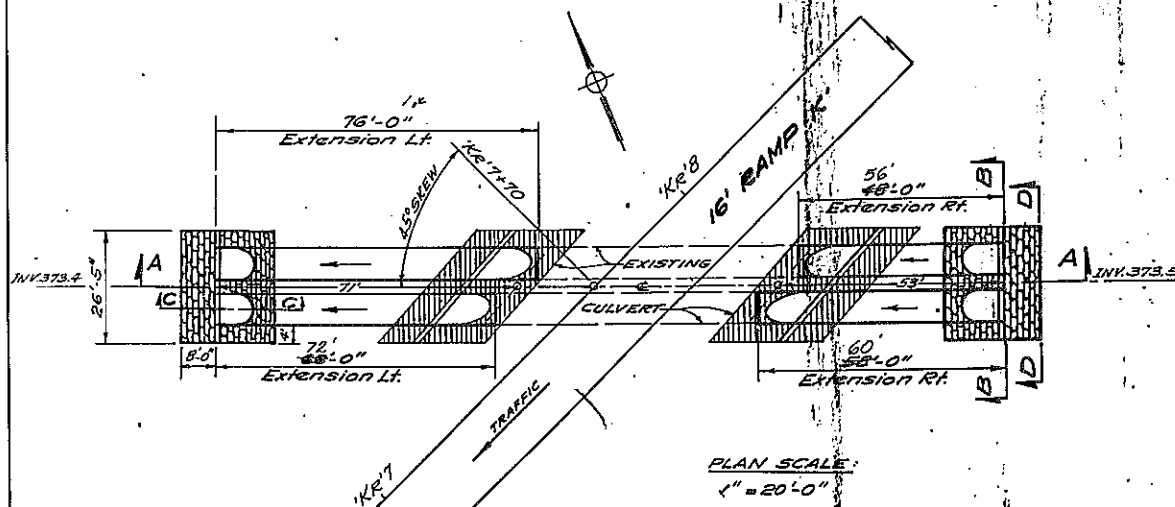
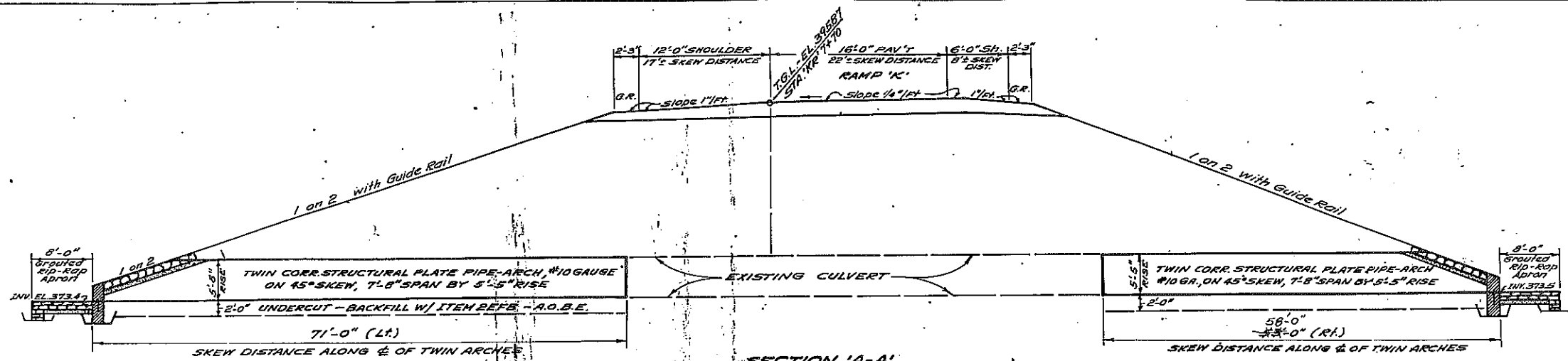
The Culvert will be extended on the Left, the cut-off wall and Apron, will be completed under a future contract.

MADE BY *E. Sawicki*
CHECKED BY *John C. Shannon*
TRACED BY *E. Sawicki*
CHECKED BY *John C. Shannon*

FED. RD. RES. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		144R	257

MATTYDALE-BREWERTON, S.H. 57-6

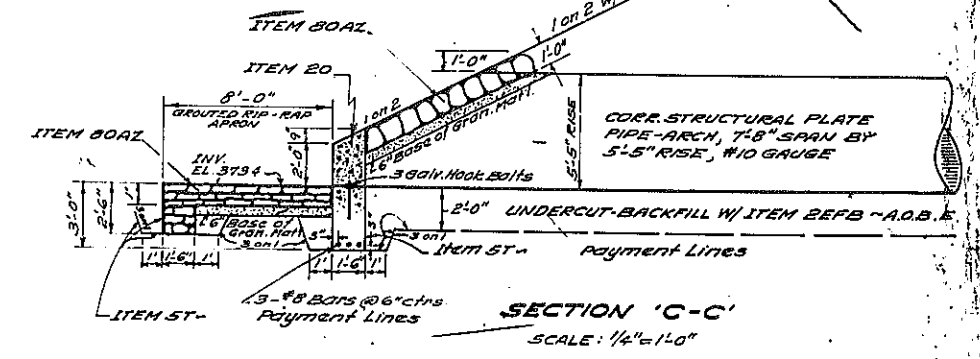
NOTE A - Hook Bolt Material shall meet requirements of ASTM A-307
NOTE B - Hook Bolts & Nuts shall be galvanized in accordance with M19.
NOTE C - Payment for Hook Bolts and Nuts shall be included in the Price Bid for Item 12A92.



GENERAL NOTES
 Design Specifications AASHTO 1965 modified and current American Welding Society modified. The stresses assumed for design purposes conform to 1965 AASHTO Specifications with the 28-day concrete stress ($f'c$) = 3000 psi minimum.
 L.L. MS20-44.
 Material and Construction Specifications: Specifications of N.Y.S. Department of Public Works dated January 2, 1962 with current additions and modifications.
 The cost of furnishing and placing water used for sodding and selected granular fill will be paid for under Item 1W and 1WA of the highway portion of the contract.
 Reinforcing bars shall be lapped a minimum of 24 diameters.
 Concrete items and cement: Culvert Cut-off Walls - Item 20 Type 2 Cement.
 All concrete shall have entrained air in accordance with the Specifications.
 Backfill shall be deposited on both sides of the structure to approximately the same elevation at the same time.
 Payment for Hook Bolts and Nuts shall be included in the Price Bid for Item 12A92. Reinforcement steel will be paid for under Item 25.
 For Pipe Bedding details - refer to Standard Sheet 68-19A.
 Removal of Existing Grouted Rip-Rap will be paid for under Item 2.
 Payment for the removal of the existing Bevel Ends shall be included in the Price Bid for Item 12A92.

CULVERT DETAILS

RAMP 'K'
 STA. 'KR'7+70
 TWIN CORR. STRUCTURAL PLATE PIPE-ARCH CULVERT EXTENSION (Lt. & Rt.)
 7'-8" SPAN BY 5'-5" RISE, ON 45° SKEW, #10 GAUGE
 76 FT. AND 58 FT. LONG LT., 48 FT. AND 58 FT. LONG RT.
 264 L.F. of Item 12A92 (Total)

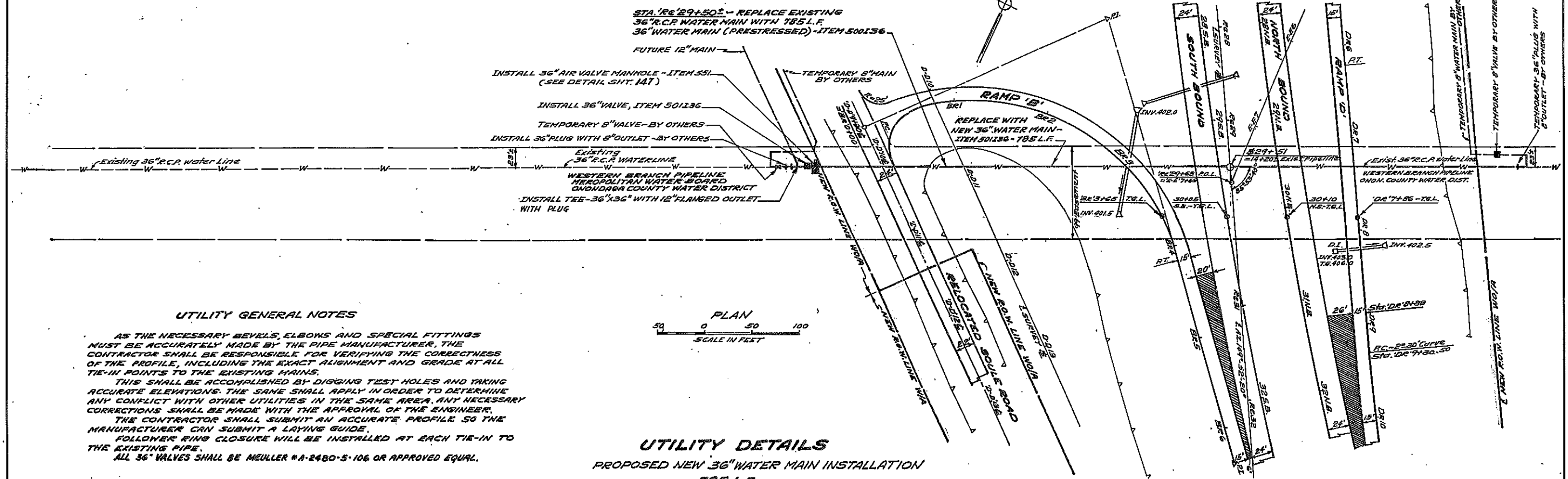


MADE BY: E. Saulbety
 CHECKED BY: Paul C. Shuman
 TRACED BY: E. Saulbety
 CHECKED BY: Paul C. Shuman



FED. ROAD REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N. Y.		145	257

EUCLID-NORTH SYRACUSE, S.H.



UTILITY GENERAL NOTES

AS THE NECESSARY BEVELS, ELBOWS AND SPECIAL FITTINGS MUST BE ACCURATELY MADE BY THE PIPE MANUFACTURER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE CORRECTNESS OF THE PROFILE, INCLUDING THE EXACT ALIGNMENT AND GRADE AT ALL TIE-IN POINTS TO THE EXISTING MAINS.

THIS SHALL BE ACCOMPLISHED BY DIGGING TEST HOLES AND TAKING ACCURATE ELEVATIONS. THE SAME SHALL APPLY IN ORDER TO DETERMINE ANY CONFLICT WITH OTHER UTILITIES IN THE SAME AREA. ANY NECESSARY CORRECTIONS SHALL BE MADE WITH THE APPROVAL OF THE ENGINEER.

THE CONTRACTOR SHALL SUBMIT AN ACCURATE PROFILE SO THE MANUFACTURER CAN SUBMIT A LAYING GUIDE.

FOLLOWER RING CLOSURE WILL BE INSTALLED AT EACH TIE-IN TO THE EXISTING PIPE.

ALL 36" VALVES SHALL BE MUELLER #A-2480-S-106 OR APPROVED EQUAL.



UTILITY DETAILS

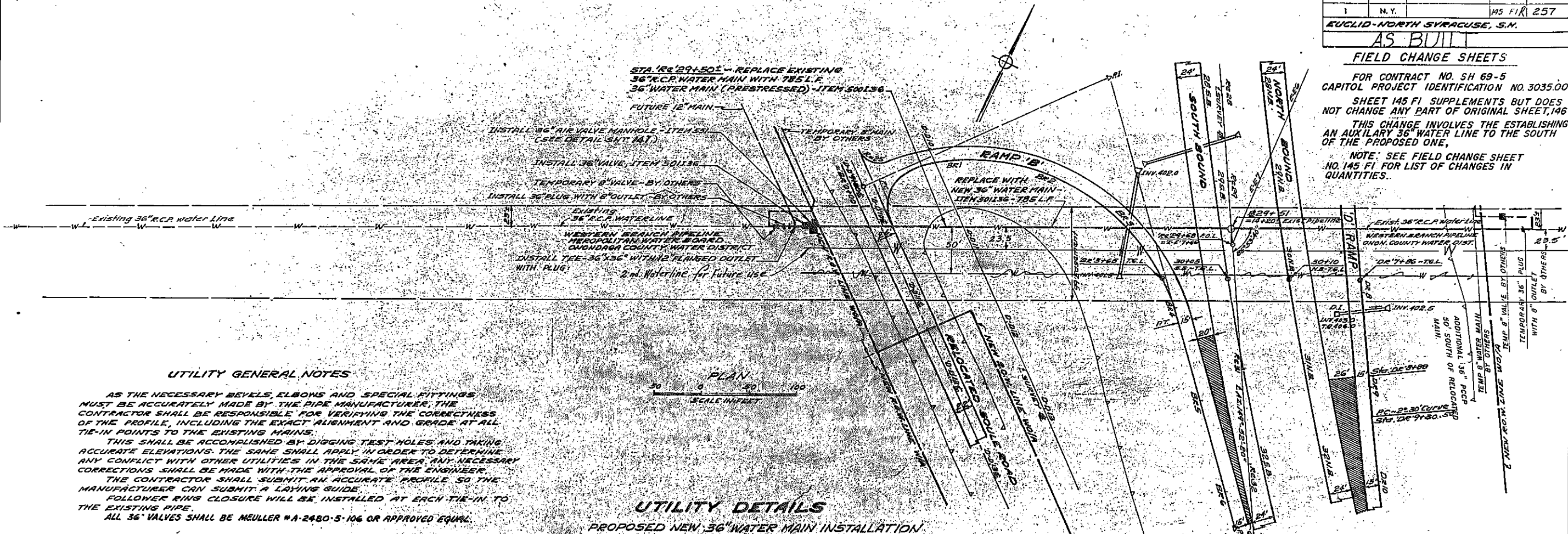
PROPOSED NEW 36" WATER MAIN INSTALLATION
 785 L.F.
 STA. 'Rc' 29+50 ±
 METROPOLITAN WATER BOARD
 ONONDAGA COUNTY WATER DISTRICT
 WEST BRANCH PIPELINE

IN CHARGE OF _____
 DESIGNED BY *J.P. Johnson*
 ESTIMATE BY *S. Saulnier*
 TRACED BY *J. G. [unclear]*

FED. ROAD REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		145 FRI 257	

EUCLID-NORTH SYRACUSE, S.M.
AS BUILT
 FIELD CHANGE SHEETS

FOR CONTRACT NO. SH 69-5
 CAPITOL PROJECT IDENTIFICATION NO. 3035.00
 SHEET 145 FI SUPPLEMENTS BUT DOES NOT CHANGE ANY PART OF ORIGINAL SHEET, 146
 THIS CHANGE INVOLVES THE ESTABLISHING AN AUXILIARY 36" WATER LINE TO THE SOUTH OF THE PROPOSED ONE.
 NOTE: SEE FIELD CHANGE SHEET NO. 145 FI FOR LIST OF CHANGES IN QUANTITIES.



UTILITY GENERAL NOTES

AS THE NECESSARY BEVELS, ELBOWS AND SPECIAL FITTINGS MUST BE ACCURATELY MADE BY THE PIPE MANUFACTURER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE CORRECTNESS OF THE PROFILE, INCLUDING THE EXACT ALIGNMENT AND GRADE AT ALL TIE-IN POINTS TO THE EXISTING MAINS.
 THIS SHALL BE ACCOMPLISHED BY DIGGING TEST HOLES AND TAKING ACCURATE ELEVATIONS THE SAME SHALL APPLY IN ORDER TO DETERMINE ANY CONFLICT WITH OTHER UTILITIES IN THE SAME AREA. ANY NECESSARY CORRECTIONS SHALL BE MADE WITH THE APPROVAL OF THE ENGINEER.
 THE CONTRACTOR SHALL SUBMIT AN ACCURATE PROFILE SO THE MANUFACTURER CAN SUBMIT A LAYING GUIDE.
 FOLLOWER RING CLOSURE WILL BE INSTALLED AT EACH TIE-IN TO THE EXISTING PIPE.
 ALL 36" VALVES SHALL BE MULLER #A-2480-S-106 OR APPROVED EQUIV.

UTILITY DETAILS

PROPOSED NEW 36" WATER MAIN INSTALLATION
 785 L.F.
 STA. 'RE' 29+50 @
 METROPOLITAN WATER BOARD
 ONONDAGA COUNTY WATER DISTRICT
 WEST BRANCH PIPELINE

FIELD CHANGE

UTILITY DETAILS

PROPOSED NEW 36" WATER MAIN INSTALLATION
 710 L.F.
 STA. 'RE' 30+02 @

METROPOLITAN WATER BOARD
 ONONDAGA COUNTY WATER DISTRICT
 WEST BRANCH PIPELINE

UTILITY GENERAL NOTES.

AS THE NECESSARY BEVELS, ELBOWS AND SPECIAL FITTINGS MUST BE ACCURATELY MADE BY THE PIPE MANUFACTURER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE CORRECTNESS OF THIS PROFILE, INCLUDING THE EXACT ALIGNMENT AND GRADE.
 THE CONTRACTOR SHALL SUBMIT AN ACCURATE PROFILE SO THE MANUFACTURE CAN SUBMIT A LAYING GUIDE.

CHANGE IN QUANTITIES SH 69-5

ITEM	DESCRIPTION	UNIT	INCREASE	NET CHANGE
2 EFB	SELECTED GRANULAR FILL	C.Y.	878	878
5T	TRENCH AND CULVERT EXC.	C.Y.	1586	1586
83 TXS	TEMPORARY SHEET PILING	S.F.	11276	11276
500 I 36	FURNISH AND INSTALL PRESS. CONC. WATER PIPE, 36" DIA.	L.F.	710	710

APPROVED
 7-31-20
 Paul D. Smith
 PAUL D. SMITH
 100 Years Old Engineer

FIELD CHANGE

IN CHARGE OF _____
 DESIGNED BY *John C. Deanna*
 ESTIMATE BY *S. Laubert*
 TRACED BY *S. Laubert*
 T. KIRWAN *07.12.2000* DESIGNER
John C. Deanna TRACED BY
 _____ CHECKED BY

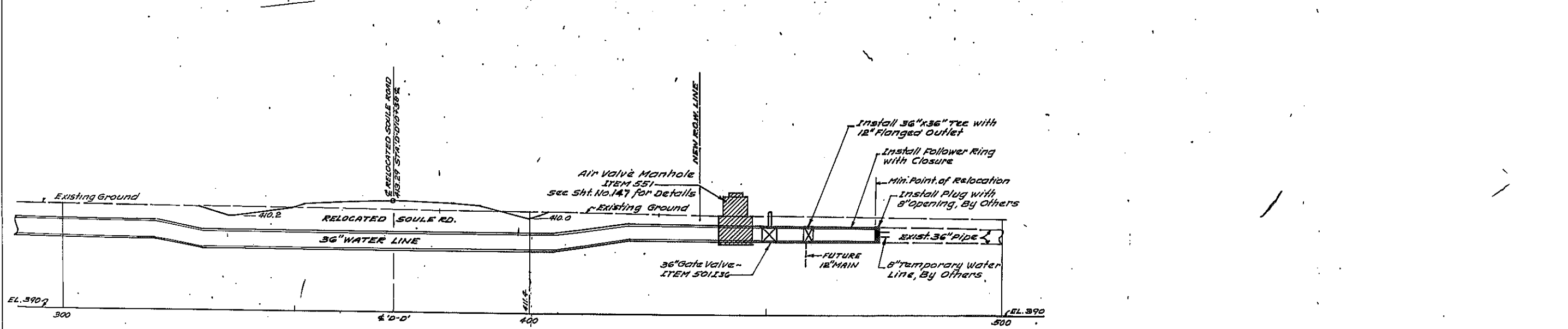
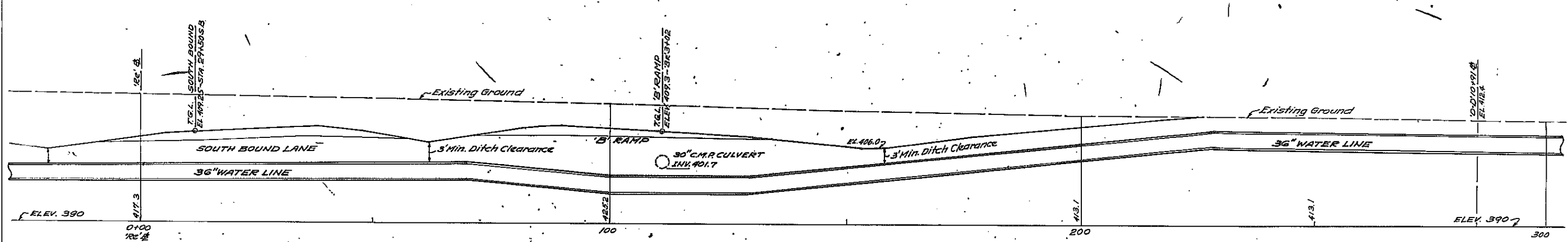
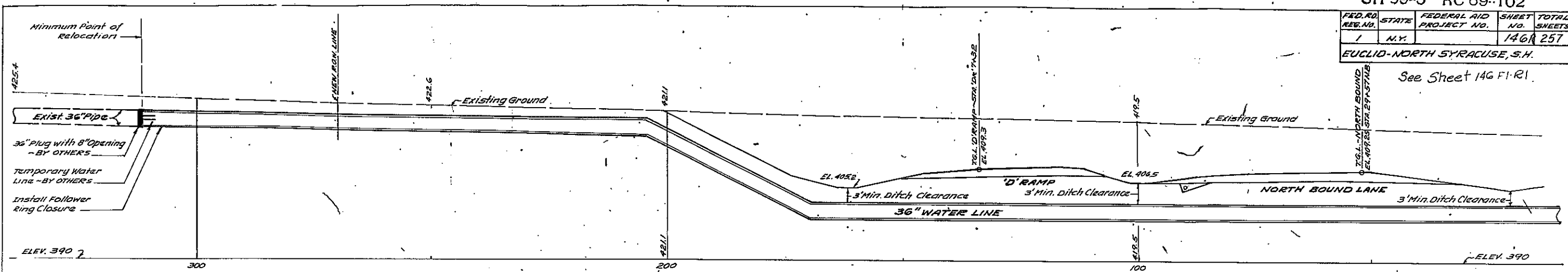
PREPARED PURSUANT TO THE HIGHWAY LAW AND RECOMMENDED BY *B. E. Tawson*
 DATE *3/1/20* ENGINEER DISTRICT NO. 3

As Built Revision: Location of 36" Water Line for future use.

FED. RD. RES. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		146	257

EUCLID-NORTH SYRACUSE, S.H.

See Sheet 146 F1-R1



SCALE:
HORIZONTAL : 1" = 10'-0"
VERTICAL : 1" = 10'-0"

PROFILE
PROPOSED NEW 36" WATER MAIN INSTALLATION

785 L.F.
STA. 129+50 ±
METROPOLITAN WATER BOARD
ONONDAGA COUNTY WATER DISTRICT
WEST BRANCH PIPELINE

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CHECKED BY: *[Signature]*
TRACED BY: *[Signature]*
CHECKED BY: *[Signature]*

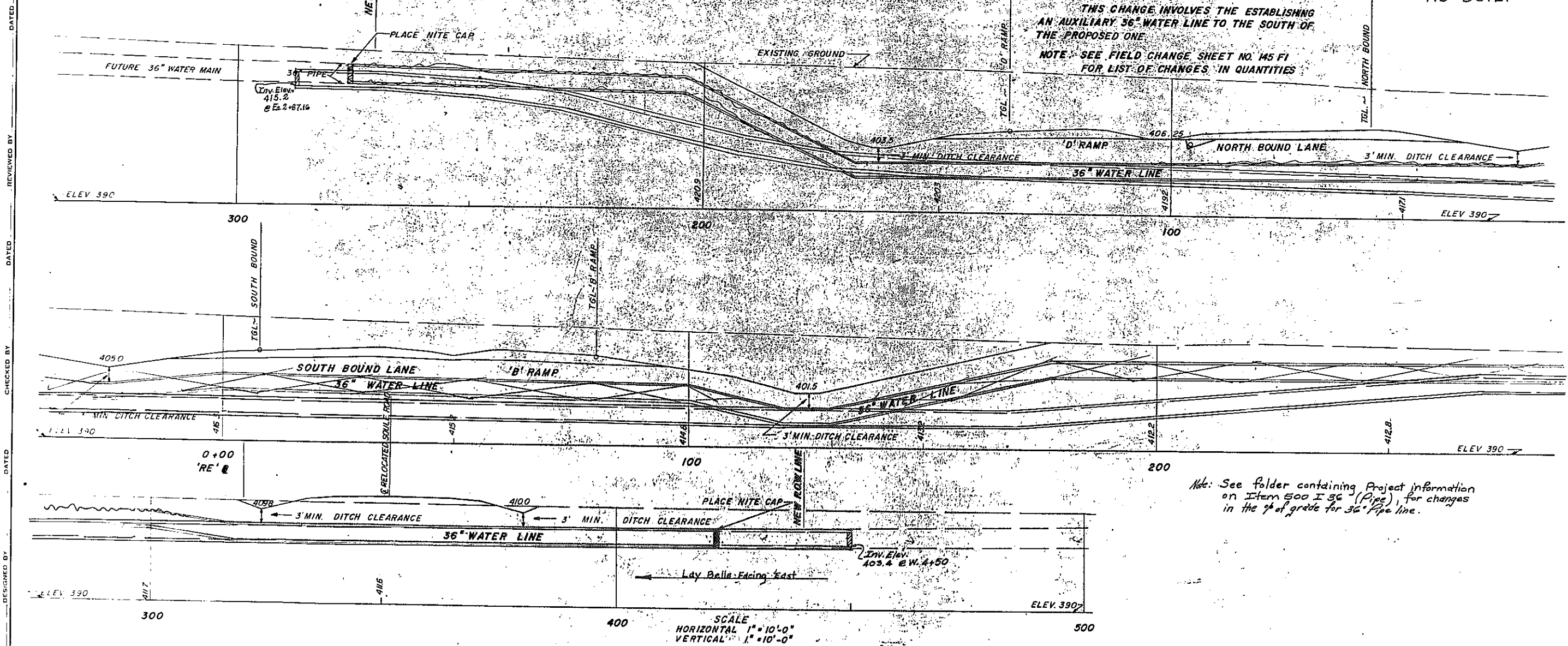
FIELD CHANGE SHEET

FED. RD. REG. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		146 B	257
EUCLID NORTH SYRACUSE, SH 69-5				

FOR CONTRACT NO. SH 69-5
 CAPITOL PROJECT IDENTIFICATION NO. 3035.00
 SHEET 146-B SUPPLEMENTS BUT DOES NOT
 CHANGE ANY PART OF ORIGINAL SHEET 146

THIS CHANGE INVOLVES THE ESTABLISHING
 AN AUXILIARY 36" WATER LINE TO THE SOUTH OF
 THE PROPOSED ONE
 NOTE - SEE FIELD CHANGE SHEET NO. 145-F1
 FOR LIST OF CHANGES IN QUANTITIES

AS BUILT



Note: See folder containing Project information
 on Item 500 I 36 (Pipe), for changes
 in the % of grade for 36" Pipe line.

SCALE
 HORIZONTAL 1" = 10'-0"
 VERTICAL 1" = 10'-0"

PROFILE
 PROPOSED NEW 36" WATER MAIN INSTALLATION
 785 L.F.
 STA. RE' 30+00 @
 METROPOLITAN WATER BOARD
 ONONDAGA COUNTY WATER DISTRICT
 WEST BRANCH MAINLINE

APPROVED
 Date 7-31-70
 Paul O. Smith
 Paul O. Smith
 Asst. Engr. Chief Engineer

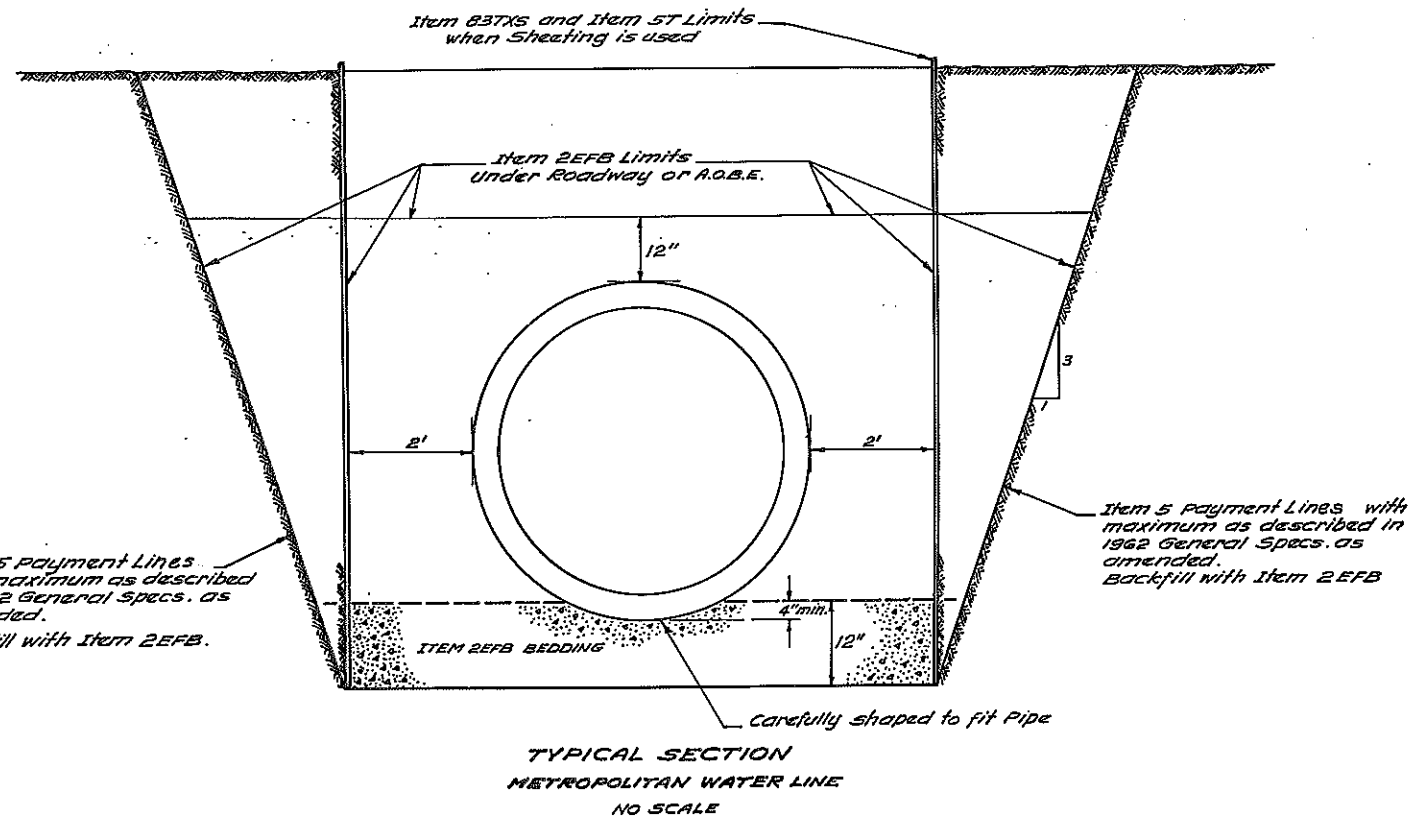
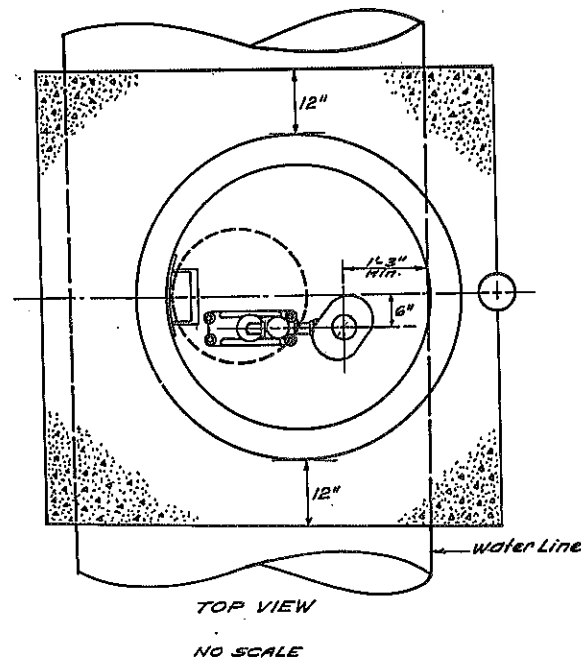
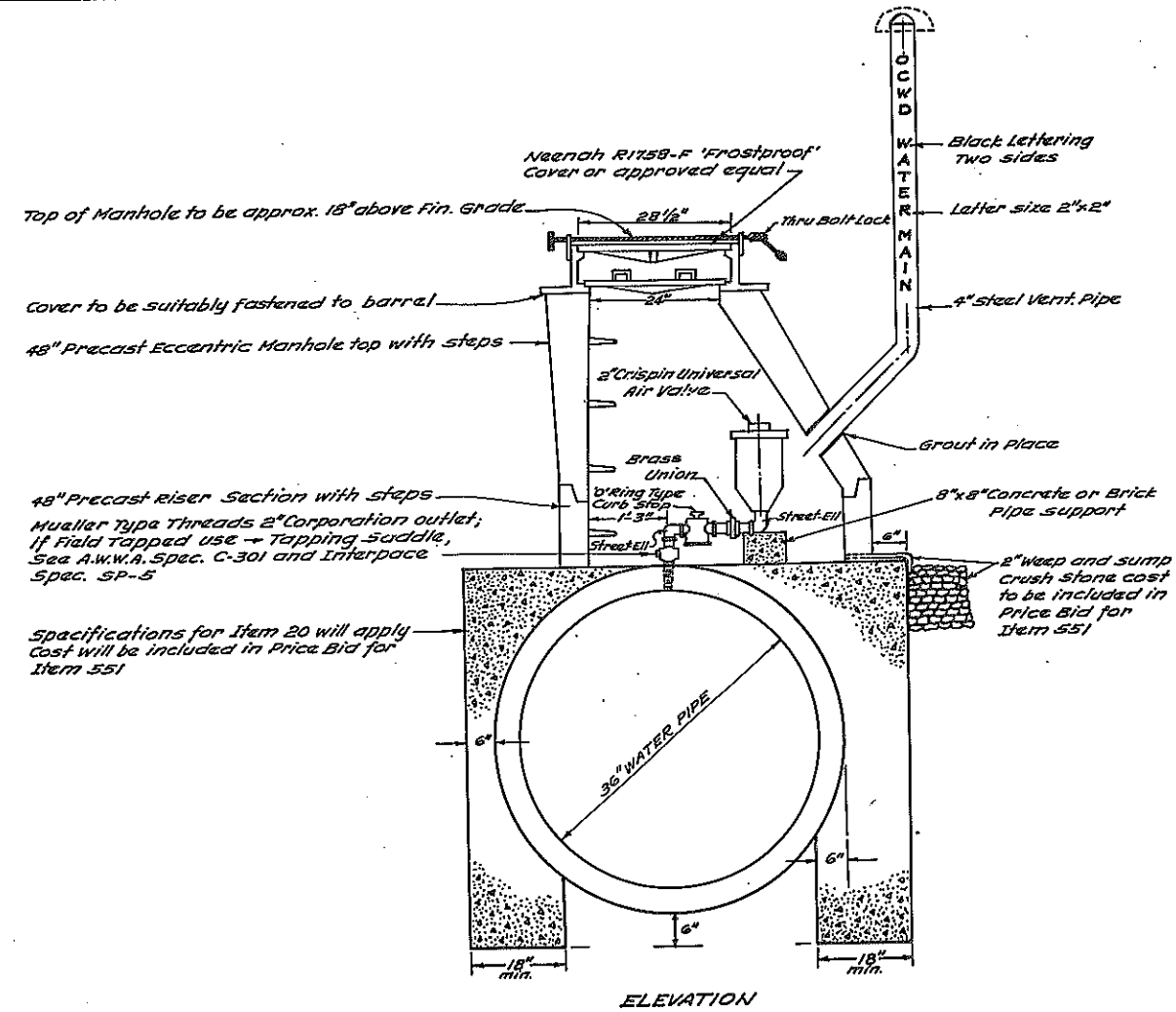
T. KIRWAN
 L. SIBNER
 TRACED BY
 CHECKED BY

PREPARED PURSUANT TO THE HIGHWAY LAW
 AND RECOMMENDED BY:
 DATE 13. 1970
 ENGINEER DISTRICT NO 3

As built revision: Profile of 36" Waterline

FED. RD. DIST. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		147	257

EUCLID-NORTH SYRACUSE, S.H.



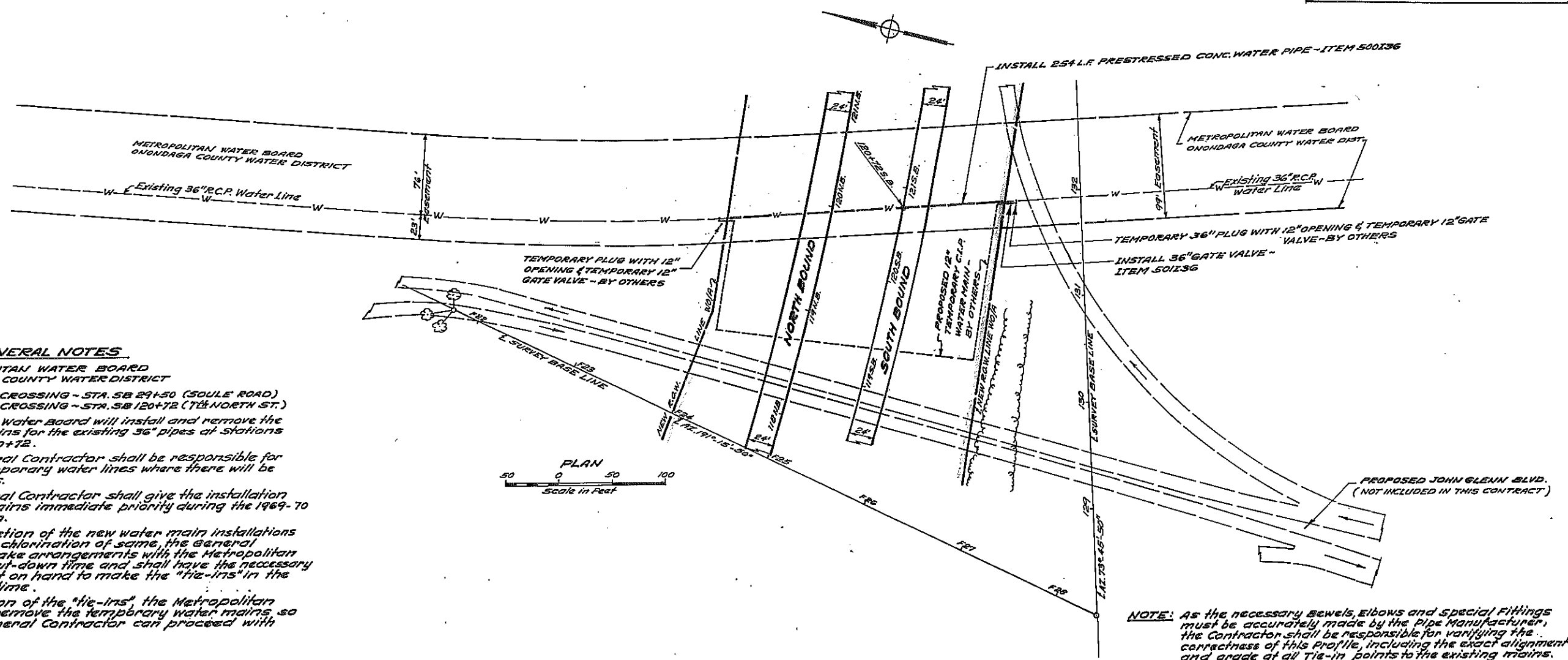
AIR VALVE DETAIL

ITEM 551 - FURNISH & INSTALL AIR VALVE MANHOLE COMPLETE
STA. 10-D-10+02.6 - 52.87

MADE BY: *[Signature]*
CHECKED BY: *[Signature]*
TRACED BY: *[Signature]*
CHECKED BY: *[Signature]*

FED. ROAD REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		148	257

EUCLID-NORTH SYRACUSE, S.H.



GENERAL NOTES

**METROPOLITAN WATER BOARD
ONONDAGA COUNTY WATER DISTRICT**

36" DIAM. WATER MAIN CROSSING - STA. SB 29+50 (SOULE ROAD)
36" DIAM. WATER MAIN CROSSING - STA. SB 120+72 (7TH NORTH ST.)

The Metropolitan Water Board will install and remove the temporary water mains for the existing 36" pipes at stations SB 29+50 and SB 120+72.

The State's General Contractor shall be responsible for protecting these temporary water lines where there will be equipment crossings.

The State's General Contractor shall give the installation of the new water mains immediate priority during the 1969-70 Construction Season.

Upon the completion of the new water main installations and the testing and chlorination of same, the General Contractor shall make arrangements with the Metropolitan Water Board for shut-down time and shall have the necessary men and equipment on hand to make the "tie-ins" in the shortest possible time.

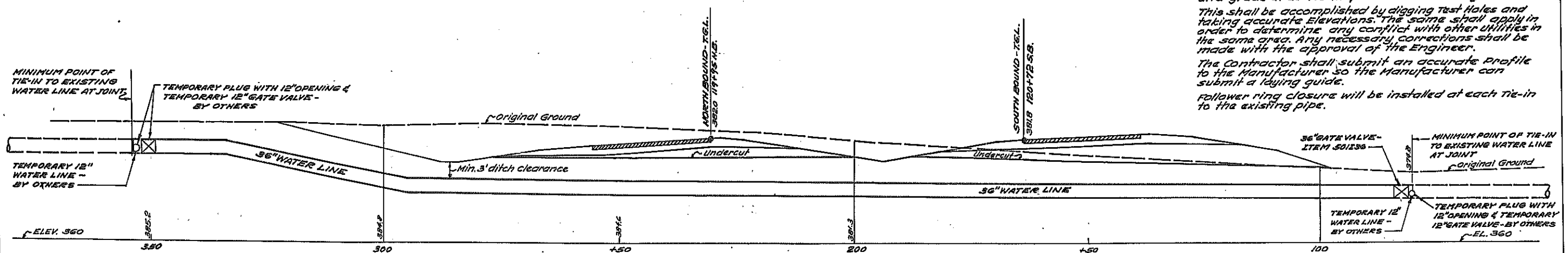
Upon completion of the "tie-ins" the Metropolitan Water Board shall remove the temporary water mains, so that the State's General Contractor can proceed with his grading work.



NOTE: As the necessary Bewels, Elbows and Special Fittings must be accurately made by the Pipe Manufacturer, the Contractor shall be responsible for verifying the correctness of this Profile, including the exact alignment and grade at all Tie-in points to the existing mains. This shall be accomplished by digging Test Holes and taking accurate Elevations. The same shall apply in order to determine any conflict with other Utilities in the same area. Any necessary corrections shall be made with the approval of the Engineer.

The Contractor shall submit an accurate Profile to the Manufacturer so the Manufacturer can submit a laying guide.

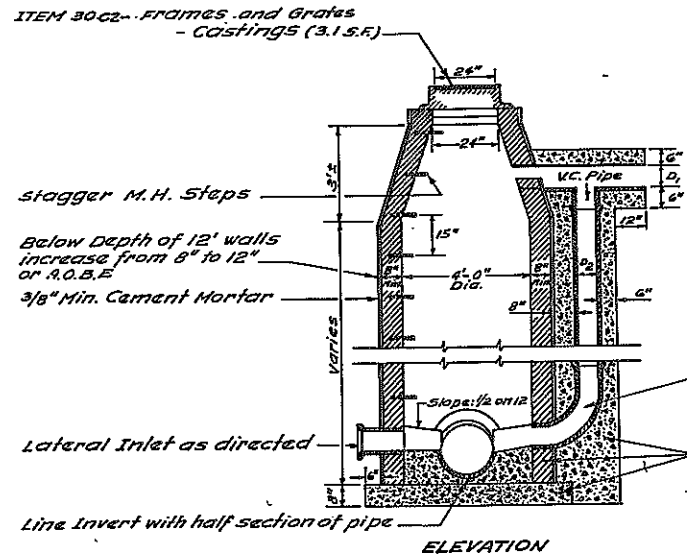
Follow-up ring closure will be installed at each Tie-in to the existing pipe.



**PROPOSED SCALE PROFILE OF 36" WATER MAIN, ITEM 500136
FOR METROPOLITAN WATER BOARD
ONONDAGA COUNTY WATER DISTRICT
SCALE: 1" = 10'-0" HORIZ. & VERT.
UTILITY DETAILS
VICINITY OF 7TH NORTH ST.**

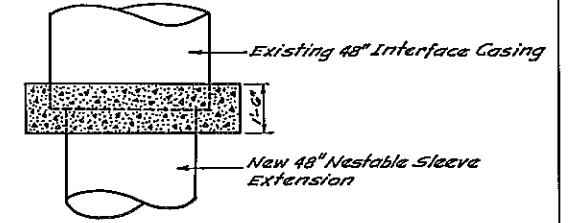
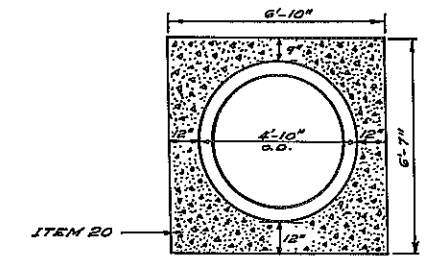
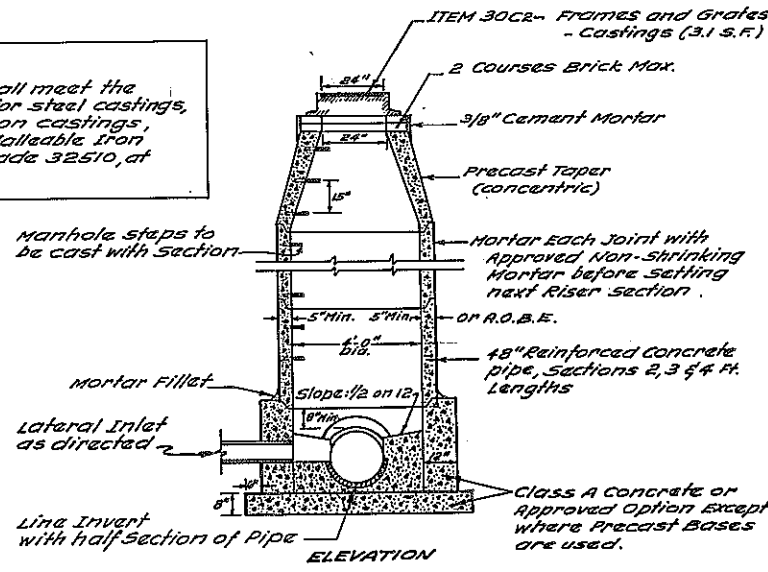
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FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		149	257
EUCLID-NORTH SYRACUSE, S.H.				

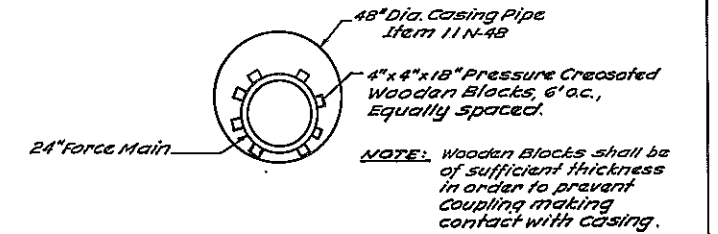


GENERAL NOTES:
 All Manhole Covers and Frames shall meet the requirements of A.S.T.M. specifications for steel castings, serial designation A27, Grade N1, or iron castings, serial designation A48, Class 20 or Malleable Iron castings, serial designation A47, Grade 32510, at the Contractors option.

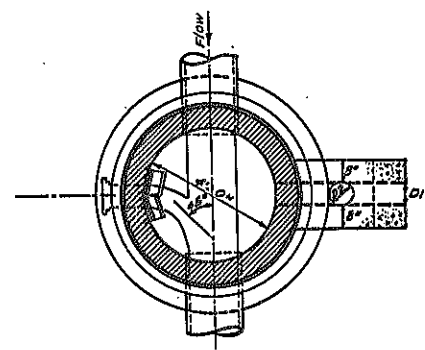
NOTE: When Drop Detail is required, cost will be included in Price Bid for Manhole Item.
 Class A Concrete or Approved Option.



CONCRETE COLLAR

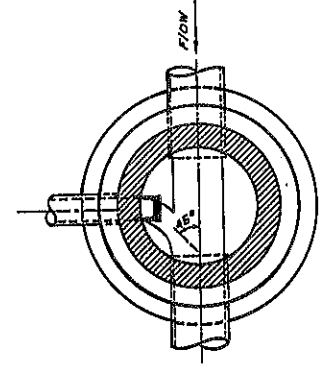


24" Force Main

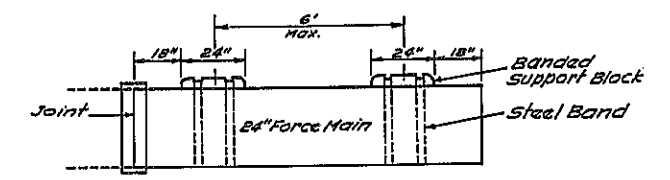


PLAN
 STANDARD MANHOLE WITH DROP DETAIL
 ITEM 102CR2

DROP MANHOLE	
SEWER DIA. D1	DROP DIA. D2
8"	8"
10"	10"
12"	12"
15"	12"
18"	15"
21"	15"
24"	18"



PLAN
 STANDARD PRECAST MANHOLE
 ITEM 102CR1



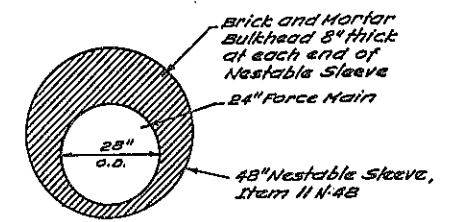
SUPPORT BLOCKS

STANDARD SANITARY MANHOLE DETAILS

FOR SANITARY SEWER UP TO AND INCLUDING 24" DIA. PIPE

- ITEM 102CR1 - STANDARD MANHOLE
- ITEM 102CR2 - STANDARD MANHOLE WITH DROP PIPE

Scale: 3/8" = 1'-0"



BULKHEAD

CONCRETE COLLAR, SUPPORT BLOCKS AND BULKHEAD DETAILS

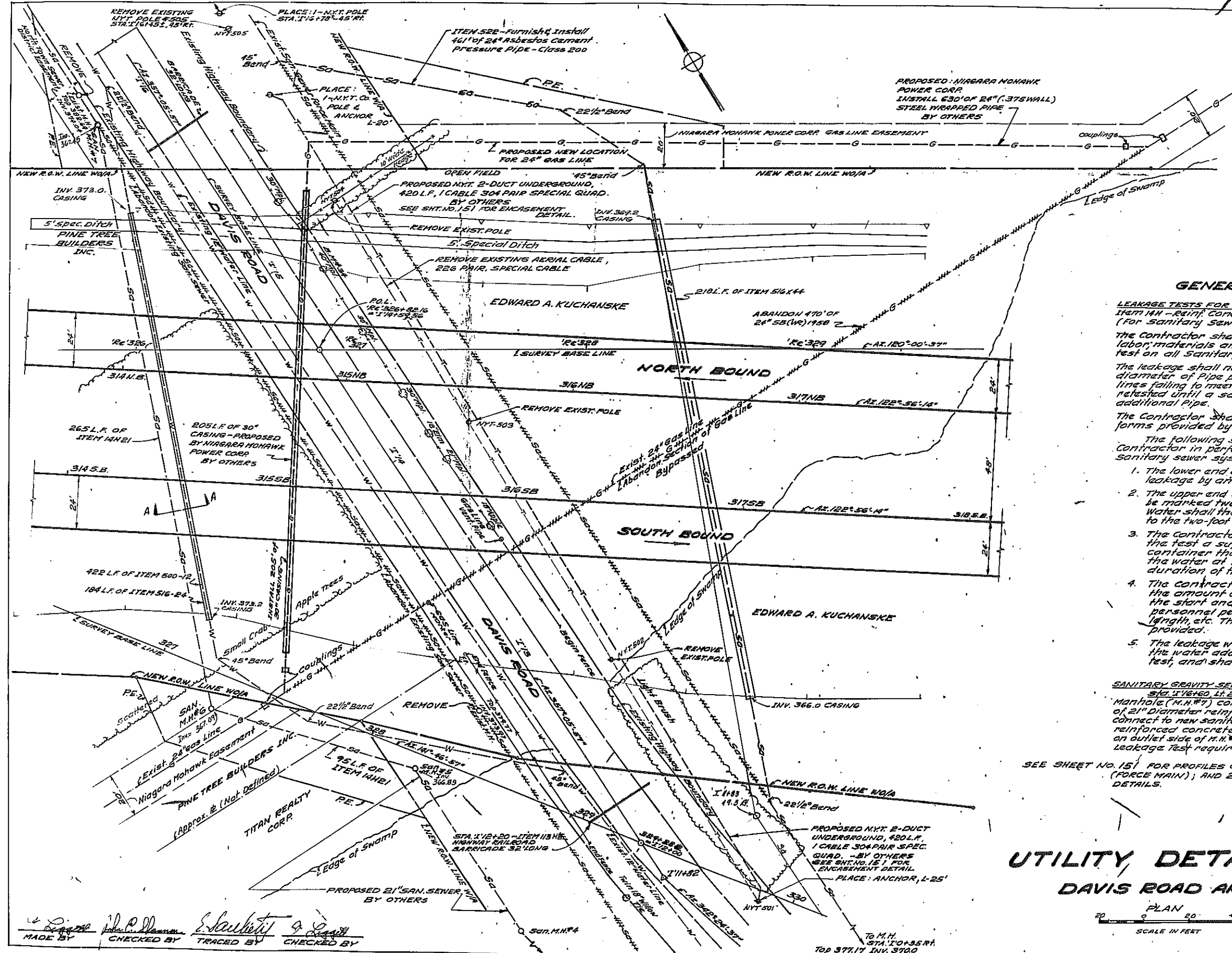
STA. 6+26+25
 SCALE: 3/8" = 1'-0"

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FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	NY		150	257

EUCLID-NORTH SYRACUSE, S.H.

AS BUILT



GENERAL NOTES

- LEAKAGE TESTS FOR SANITARY SEWERS** pertaining to Item 144 - Reinforced Concrete Pressure Pipe Class 150 (for sanitary sewers).
- The Contractor shall supply at no extra cost all necessary labor, materials and equipment to perform a water tightness test on all sanitary sewers installed under this contract.
- The leakage shall not exceed 25 gallons per day per inch of diameter of pipe per 1000 Ft. in 24 hours. All sanitary sewer lines failing to meet this requirement shall be repaired and retested until a satisfactory test results before laying any additional pipe.
- The Contractor shall be required to record all test data on forms provided by Engineer.
- The following steps are hereby recommended to the Contractor in performing an infiltration test on the sanitary sewer system:
1. The lower end of the pipe shall be sealed to prevent any leakage by an approved stopper.
 2. The upper end of the pipe where a manhole exists shall be marked two feet above the top of the pipe. Water shall then be added in sufficient quantity up to the two-foot mark.
 3. The contractor shall have on hand at the start of the test a sufficient supply of water in a premeasured container that can be added to keep the height of the water at the two-foot mark in step 2 during the duration of the test.
 4. The contractor shall keep an accurate record as to the amount of water added in step 3, the time of the start and completion of the test, date, weather, personnel performing the test, pipe diameter, length, etc. These items shall be recorded on the form provided.
 5. The leakage will then be figured by the following method; the water added divided by the time duration of the test, and shall be measured in gallons per hour.

SANITARY GRAVITY SEWER
 STA. 1+60 TO 1+88. Build new special sanitary Drop Manhole (M.H.#7) connect to new sanitary M.H.#6 with 265 L.F. of 21" diameter reinforced concrete pressure pipe, Class #R; connect to new sanitary M.H.#5 with 95 L.F. of 21" diameter reinforced concrete pressure pipe. Build one length of pipe on outlet side of M.H.#6 and plug. Leakage Test required.

SEE SHEET NO. 151 FOR PROFILES OF RELOCATED 18" WATER LINE; 24" SANITARY (FORCE MAIN); AND 21" SANITARY SEWER AND MANHOLES #5, 6 & 7 DETAILS.

**UTILITY DETAILS
 DAVIS ROAD AREA**



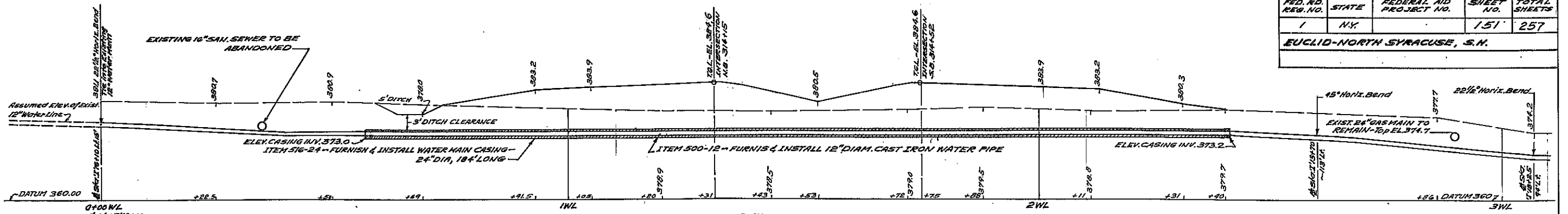
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TO M.H. STA. 1+0+35.81
 TOP 377.17 INV. 370.0

Revisions: Item 522 Change

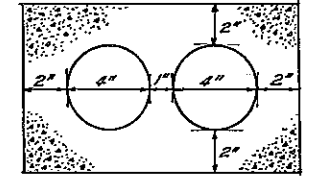
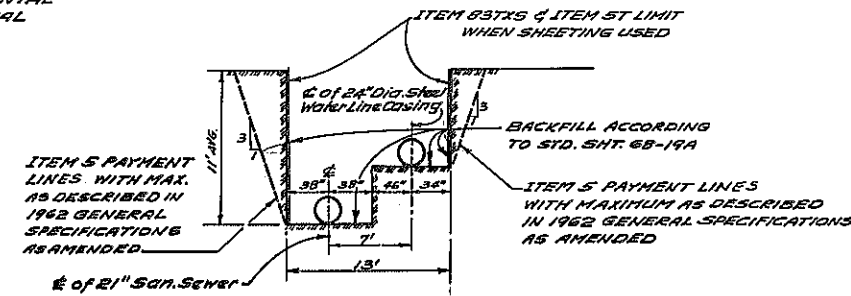
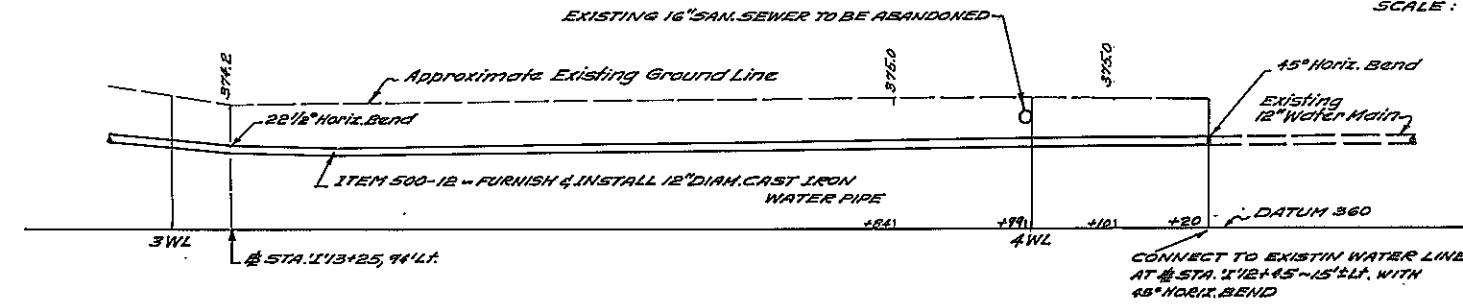
FED. RD. RES. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		151	257

EUCLID-NORTH SYRACUSE, S.H.

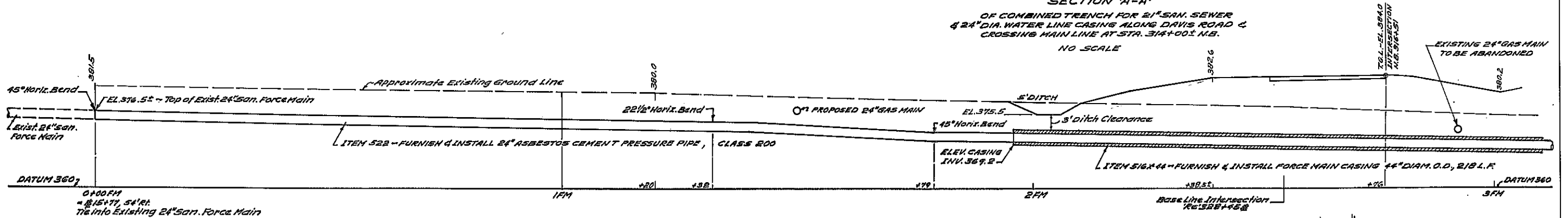


**PROPOSED PROFILE OF RELOCATED 12" WATER LINE
DAVIS ROAD**

SCALE: 1" = 10'-0" HORIZONTAL
1" = 10'-0" VERTICAL

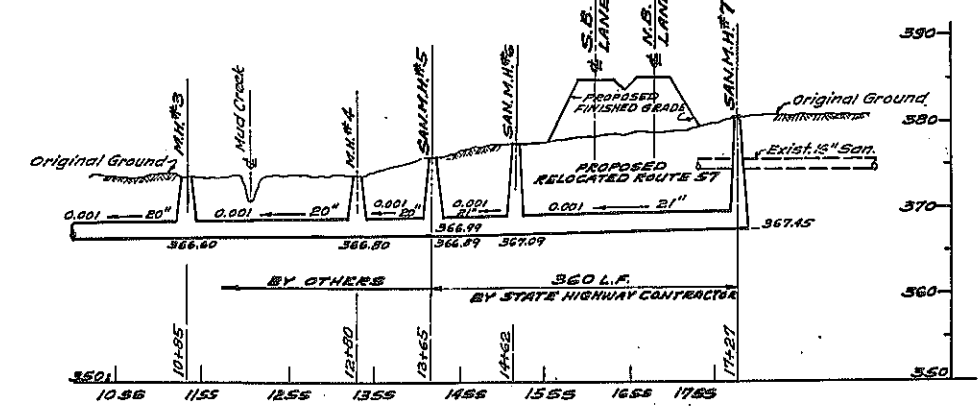


SECTION N.Y.T. CO. DUCTS CONCRETE ENCASUREMENT
NO SCALE



**PROPOSED PROFILE OF RELOCATED 24" SANITARY SEWER (FORCE MAIN)
DAVIS ROAD**

SCALE: 1" = 10'-0" HORIZONTAL
1" = 10'-0" VERTICAL



**PROFILE PROPOSED SANITARY SEWER
DAVIS ROAD**

SCALE: HORIZONTAL 1" = 100'-0"
VERTICAL 1" = 10'-0"

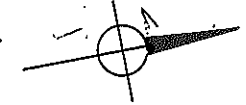
MADE BY R. Cody
CHECKED BY Ed. Loftus
TRACED BY E. Laubert
CHECKED BY John C. Shannon

**UTILITY DETAILS
DAVIS ROAD AREA**

FED. ROAD REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		152R	257

SYRACUSE-CICERO, S.H. 5470

AS BUILT



GENERAL NOTES AND SPECIFICATIONS

- 1- Concrete shall conform to ITEM 18 Class A Concrete for structures.
- 2- Paint interior of pit with white thoroseal, or approved equal.
- 3- All pipe shall be cast iron, class 22.
- 4- Mechanical joint fitting shall be class #150 outside the pit.
- 5- Concrete thrust blocks required at all fittings outside the pit.
- 6- All valves to open counter-clockwise.
- 7- All piping installed in conjunction with this construction shall be chlorinated, flushed and pressure tested per N.Y. State Health Department Specifications.
- 8- Top exterior of pit to be chamfered.
- 9- Steel shall conform to ITEM 28, Bar Reinforcement for Structures.
- 10- Flanged fittings within the pit shall be class #125.
- 11- All pipe and fittings to be cement-lined.
- 12- All reinforcing to have a minimum of 2" cover.

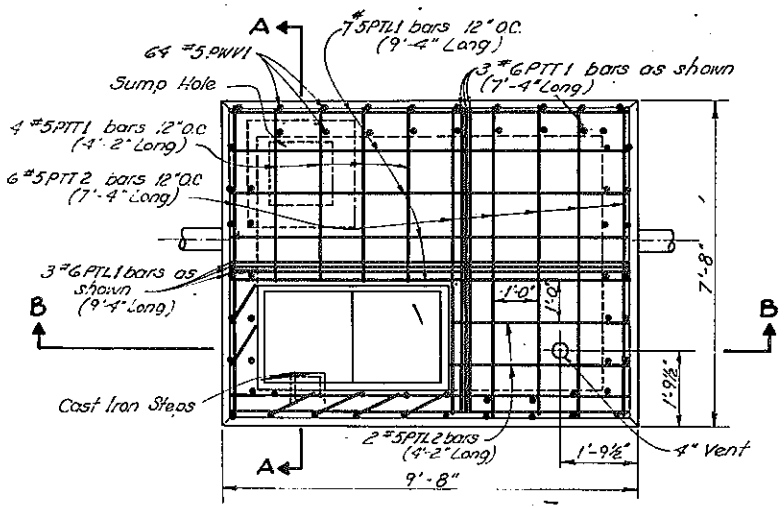
PIPING KEY

- ① 6" C.I.C.L. Tytan Pipe - Class 22
- ② 6" C.I. wall sleeve, caulked and poured both sides with lead.
- ③ Smith-Blair #912-G-690 flanged coupling adapters or equal.
- ④ 6" flanged check valve, Mueller #A2600-6-01, or Eddy-Iowa #F-5347 with outside lever, 2 weight or equal.
- ⑤ 6" Trident compound meter to be moved from existing O.C.W.A. meter pit and installed in new pit.
- ⑥ 6"x6"x2" flanged Tee and 2" C.I. companion flange, threaded for 2" IPS thread.
- ⑦ 2"x6" Brass nipple and 2" I.P. brass gate valve, wheel operated.

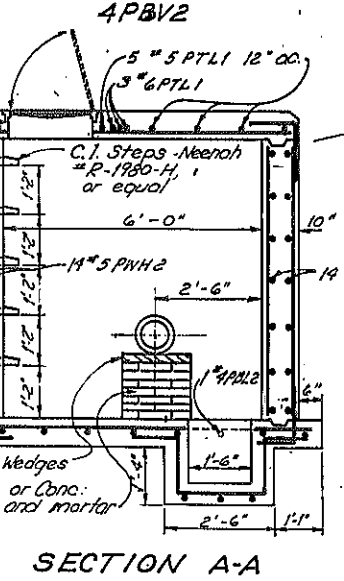
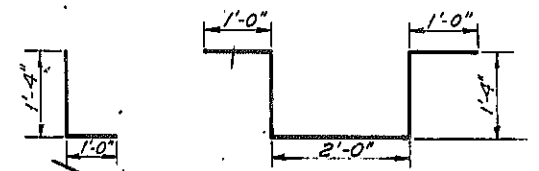
FURNISH AND INSTALL METER PIT MANHOLE COMPLETE CLASS 'A' ITEM 553

BAR LIST				
MARK	SIZE	LENGTH	REQ'D	LOCATION
4PBT1	4	8'-2"	16	Bottom Slab
4PBT2	4	5'-1"	3	" "
4PBL1	4	10'-2"	8	" "
4PBL2	4	8'-1"	1	" "
4PBV1	4	2'-3"	32	Bottom Dowel
4PBV2	4	6'-4"	6	Sump
5PNH1	5	7'-4"	28	Wall *
5PNH2	5	9'-4"	28	" *
5PNV1	5	6'-4"	62	" *
4PNV1	4	2'-3"	32	Top Dowel
6PTT1	6	7'-4"	3	Top Slab
5PTT1	5	4'-2"	4	" "
5PTT2	5	7'-4"	6	" "
6PTL1	6	9'-4"	3	" "
5PTL1	5	9'-4"	7	" "
5PTL2	5	4'-2"	2	" "

* Place to clear pipes

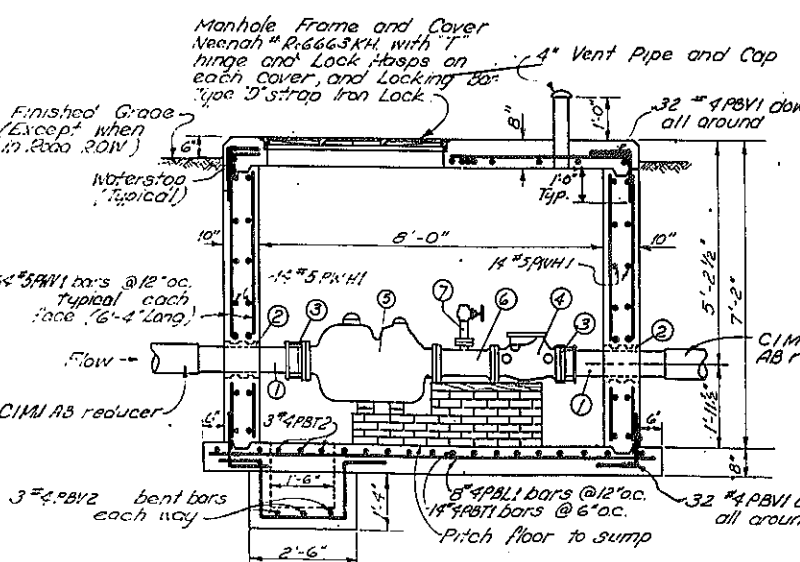


TOP SLAB PLAN

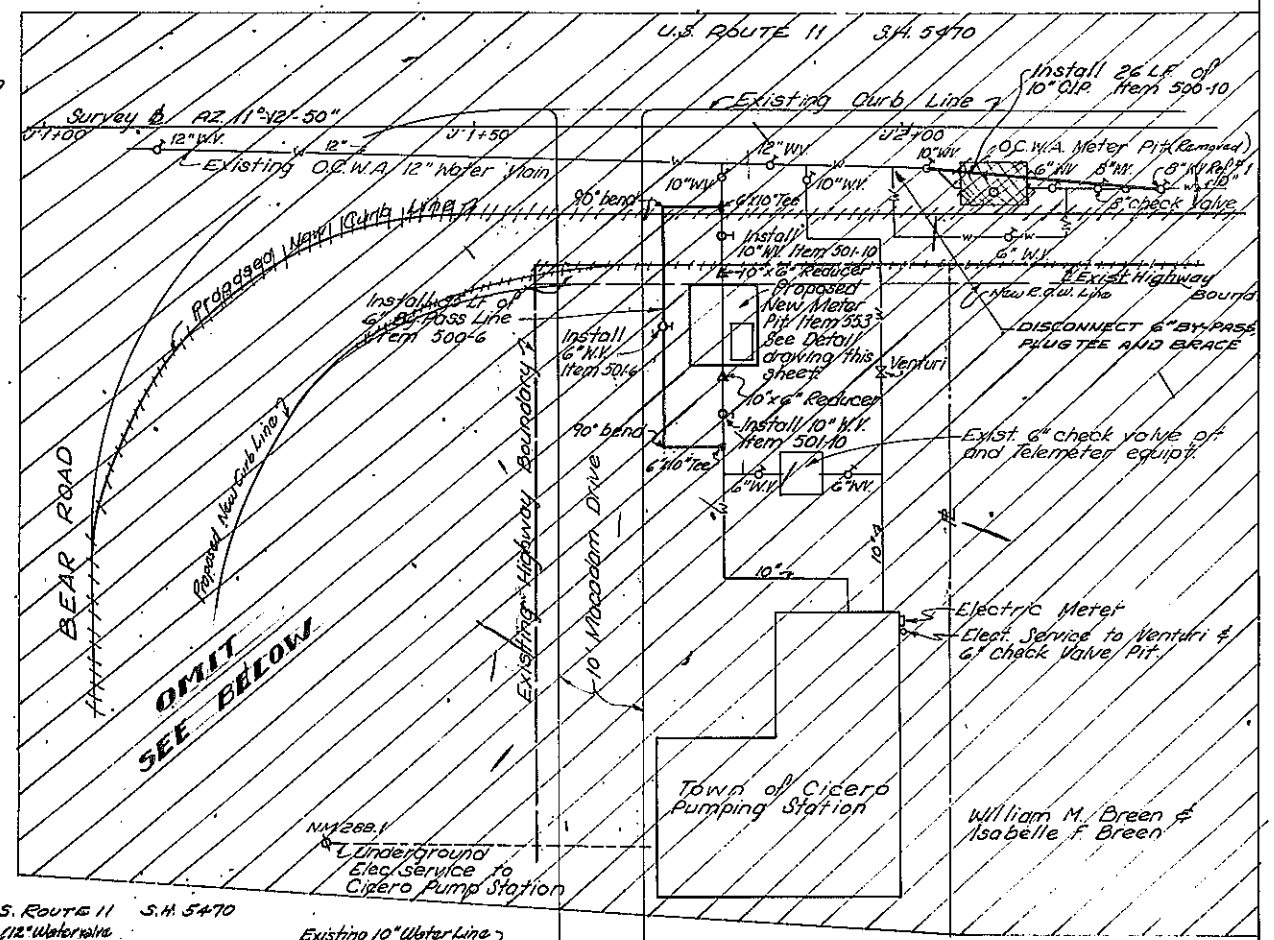


SECTION B-B

SECTION A-A



SECTION B-B



PLAN SCALE: 1" = 10'

- NOTES:**
- 1- Meter to be removed from existing O.C.W.A. Meter Pit by the Contractor and installed in new meter pit, cost to be included under Item 553.
 - 2- Existing meter pit area to be replaced by 10" cast iron pipe, Item 500-10.
 - 3- Existing meter pit to be removed A.O.B.E. and to be paid for under Item 57. Area to be backfilled with fine granular material and to be paid for under Item 2EEB.
 - 4- Reference ① this valve to be used for flow control and can be shut off by coordinating with Town of Cicero.
 - 5- 10' Macadam Drive to be restored, A.O.B.E. and Cost included in lump sum bid for Meter Pit, Item 553.
 - 6- Area around new Meter Pit to be regraded and seeded A.O.B.E. Cost to be included in lump sum bid for Meter Pit, Item 553.

- NOTE:**
- ① Meter Pit Location Changed
 - ② Curb Line Location Changed
 - ③ R.O.W. Line Location Changed

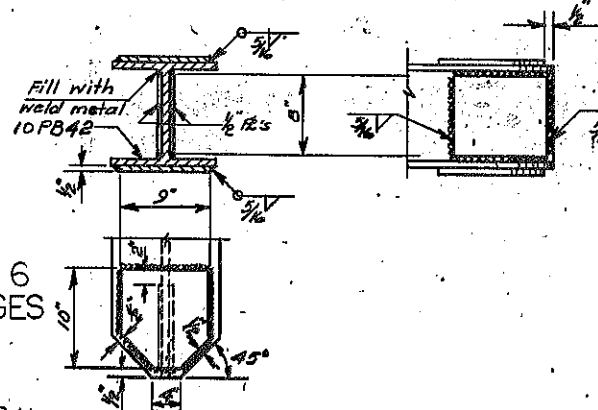
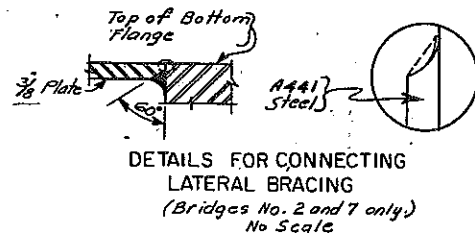
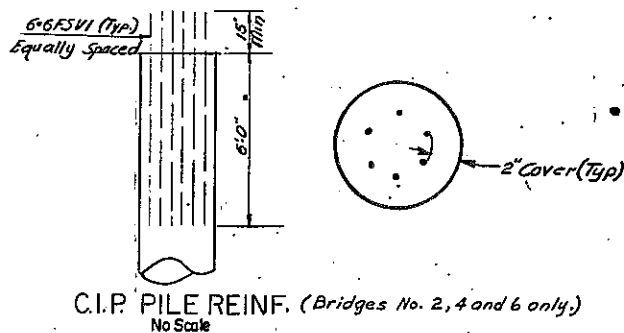
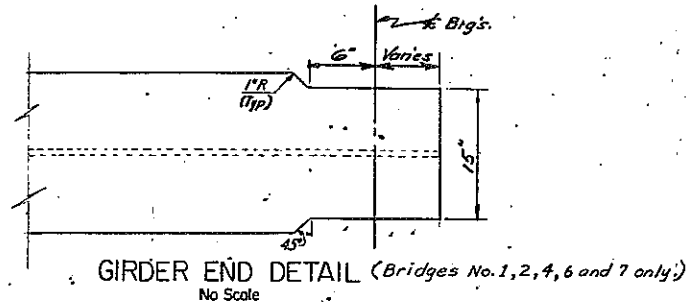
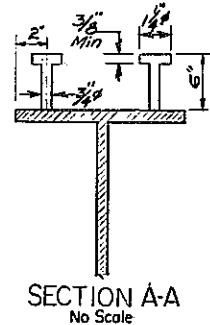
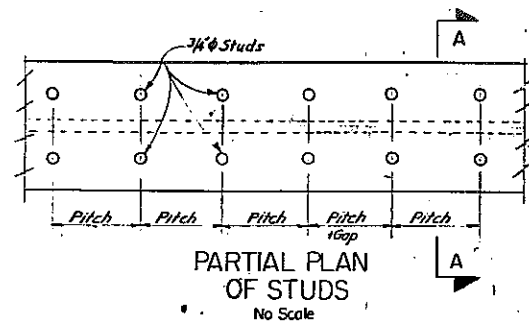
AS BUILT REVISION:
DETAILS OF METER PIT

SCALE: 1/8" = 1'-0"

MADE BY: [Signature] TRACED BY: [Signature] CHECKED BY: [Signature]

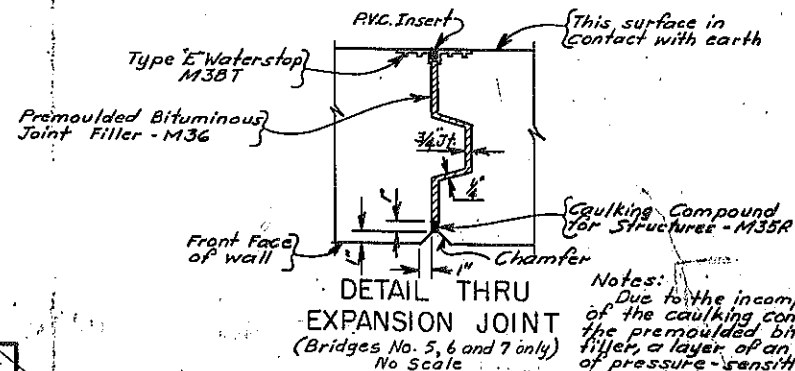
FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		153B	257

EUCLID-NORTH SYRACUSE



THESE COMMON DETAIL DRAWINGS 1 TO 6 ONLY APPLY TO THE FOLLOWING BRIDGES

- BRIDGE 1 S.H. 1039 OVER NEW S.H.
- BRIDGE 2 MORGAN RD. OVER NEW S.H.
- BRIDGE 4 RELOC. 7TH NORTH ST. OVER NEW S.H.
- BRIDGE 5 NEW S.H. OVER PENN. CENTRAL R.R.
- BRIDGE 6 RELOC. RTE. 57 OVER S.H. 5470
- BRIDGE 7 RELOC. RTE. 57 OVER SOUTH BAY ROAD



Notes:
Due to the incompatibility of the caulking compound with the premoulded bituminous joint filler, a layer of an approved type of pressure sensitive released tape shall be placed between these materials.
For details of Waterstop and PVC Insert see Common Details Dwg. No. 8 of 6.
For Keyway Details see Common Details Dwg. No. 2 of 6.



GENERAL NOTES

Design Specifications AASHTO 1965 modified and current American Welding Society modified. The stresses assumed for design purposes conform to 1965 AASHTO Specifications with the 28-day concrete strength (f'_c) = 3000 psi minimum.

L.L. ES20-44

Material and Construction Specifications: Specifications of N.Y.S. Department of Public Works dated January 2, 1962 with current additions and modifications.

The Contractor's attention is directed to the Special Notes for these structures which appear in the proposal. Particular attention should be given to the foundation notes which briefly outline the anticipated subsurface conditions at the site of the structure and which specify certain requirements relative to construction.

The cost of furnishing and pinning water used for sodding and selected granular fill will be paid for under Item 1W and 1WA of the highway portion of the contract.

Reinforcing bars shall be lapped a minimum of 24 diameters. The cost of all joint material will be included in the price bid for the various items of the contract.

Concrete Items and Cement

Description	Item No.	Type of Cement
Mass Concrete - Abutments, Abutment Pedestals and Retaining Walls	20	2
Pier Footings under Pier Columns	20	2
Pier Columns, Caps and Beams	18	2
Monolithic Slabs	18MA	2
Safetywalk (Superstructure and Substructure)	18	2
Walls and Abutment Headers	18	2

All concrete shall have entrained air in accordance with the specifications.

All concrete anchor studs which are attached to the various steel details shall meet the requirements listed in paragraph 3 of Construction Details of Item 23B - Stud Shear Connectors. Payment for furnishing and placing the concrete anchors will be included in the unit price bid for the item to which the anchors are attached.

When caulking compound is used to seal a joint containing Premoulded Bituminous Joint Filler, the following applies: Due to the incompatibility of the caulking compound with the Premoulded Bituminous Joint Filler, a layer of an approved type of pressure sensitive released tape shall be placed between these materials.

All stone curb to be granite.

SUBSTRUCTURE NOTES

Top or bottoms on which asbestos sheet piling is to be placed shall be steel braced, finished.

Bituminous Material Item 61 shall be applied to the backs of all abutments and wingwalls above top of footings, where fill is in contact with the walls.

Ready Protective Coating for Concrete shall be applied to the following surfaces:

Abutments - All exposed pedestal surfaces, bridge seats, including the area under the bearings, exposed vertical surfaces of backwall and curtain walls facing the superstructure.

Piers - All pedestal surfaces including the area under the bearings, and the top surface of pier between pedestals including the edge chamfer at top edge of pier.

SUPERSTRUCTURE NOTES

AS BUILT

After all superstructure steel has been erected, elevations shall be taken on the top of the centerline of web at each centerline of bearing, center of the span and at other locations where theoretical bottom of the slab elevations are indicated on the plans.

All bearings are to be field welded to beams or girders.

If the Contractor elects to use corrugated metal forms for the structural slab the details of these forms shall be submitted to the Deputy Chief Engineer (Design) for approval, prior to their use. The Contractor's attention is directed to additional notes appearing in the contract documents relative to corrugated metal forms.

All intermediate stiffeners used singly on one side only or staggered on both sides shall be placed dead tight against the flange which is in tension under load and welded to the web and flange which is in compression.

The ends of all girders and beams and the bearing stiffeners shall be vertical. All intermediate transverse stiffeners shall be vertical unless otherwise approved by the Deputy Chief Engineer (Design).

All anchor bolts, including pipe sleeves where required, shall be galvanized in accordance with the requirements of Material Specification M19.

Structural steel members which are imbedded or in contact with cast or pneumatically projected concrete shall not be painted.

Machine finished sliding surfaces in contact (pins, pin or one-half pin rollers in sockets) shall receive in the shop one coat of a hot mixture of white lead and tallow as provided for in the specifications under Part II, Section 3A, Painting. This shop coat of white lead and tallow shall be removed immediately prior to the assembly of the member in the field. All other machine finished surfaces shall be given one shop coat of paint.

~~Linseed Oil Protective Coating for Concrete, Item 664LD shall be applied to the top surface of the monolithic slab from face of curb to face of curb and from bridge begins to bridge ends.~~

~~Where an intermediate stiffener or connection plate rests on a gusset plate, the top of the gusset plate will be considered as being the top of the flange.~~

~~Where the Contractor elects to substitute welded connections for bolted connections shown, sufficient welding shall be provided to fully develop the bolts.~~

All bearing stiffeners shall be tightly fitted to the top flange welded to the web and either groove welded or milled to bear at the bottom flange.

All structural steel shall be paid for under Item 29 unless otherwise noted. All structural steel shall be ASTM A-36, except the following steels shall be used where noted:

- ASTM A441 - Webs and Flanges (Br. #5 is a rolled beam of A-36)
- ASTM A149 - Railing anchor studs, nuts, & washers
- ASTM A242 - Armoring angles
- ASTM A325 - Connection bolts and other miscellaneous steels as noted on the plans.

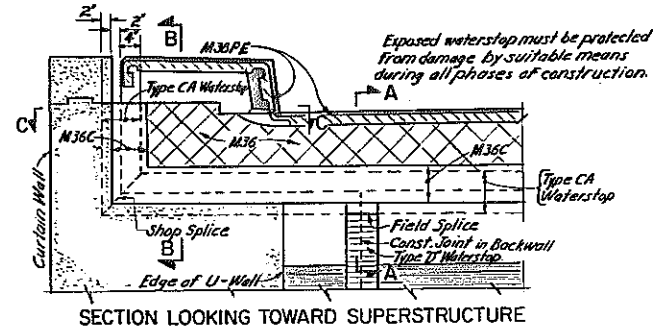
The railing posts shall be erected to proper line and grade before sidewalk is poured.

As built revision:
Item 664LD Linseed Oil Protective Coating for Concrete Deleted by Order From District Bridge Dept.

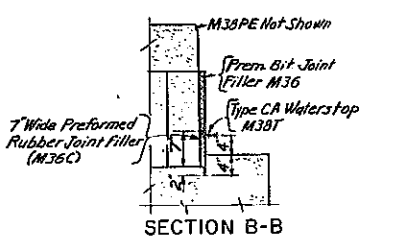
PROJECT ENGINEER A. Korala
IN CHARGE OF L.H. Turner & D. Conroy
DESIGNED BY L.H. Turner & D. Conroy
DESIGN CHECKED BY R.W. Fry & R. Orshay
DETAILED BY A. Korala
DETAIL CHECKED BY L.H. Turner & D. Conroy

EUCLID-NO. COMMON

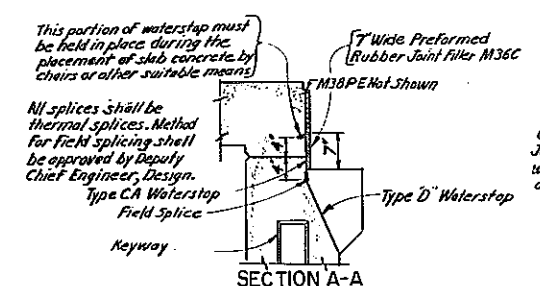
FED. RD. PROJ. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		154	257
EUCLID-NORTH SYRACUSE				



SECTION LOOKING TOWARD SUPERSTRUCTURE

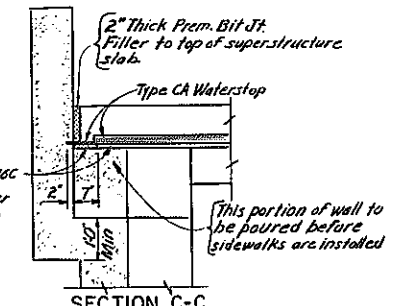


SECTION B-B



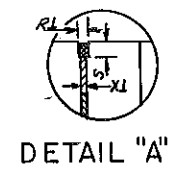
SECTION A-A

WATERSTOP INSTALLATION DETAILS
No Scale

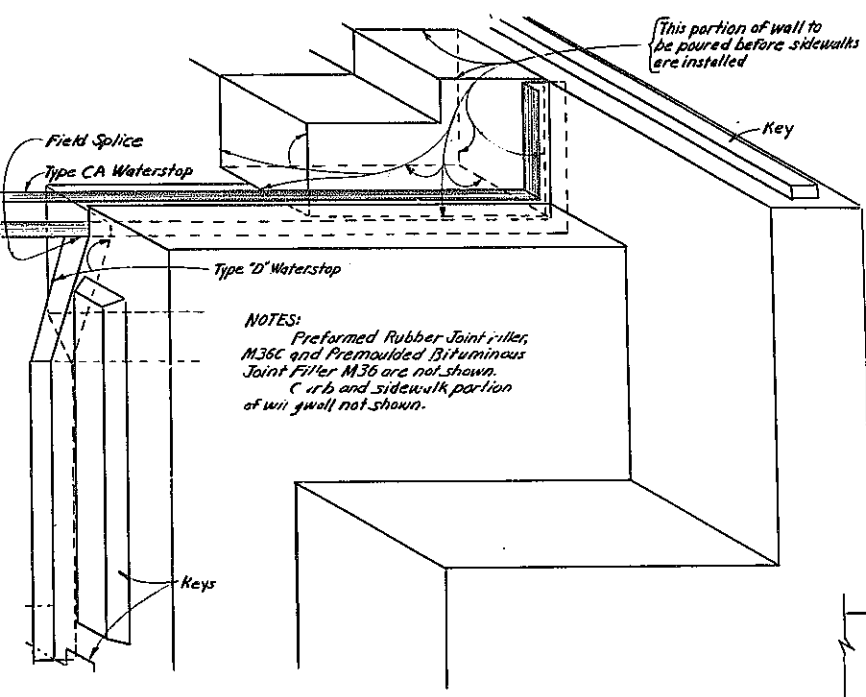


SECTION C-C

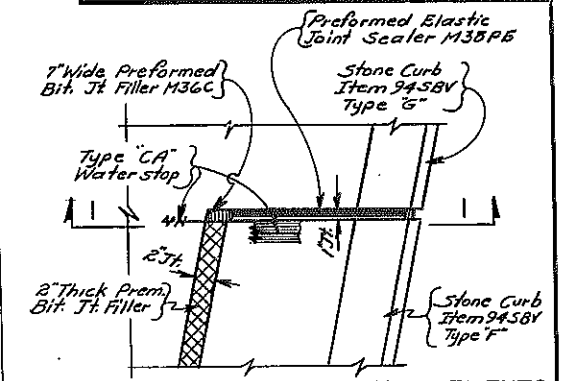
BRIDGE NO.	END COND.	TYPE	R	S	X	T
1, 4, 6	Exp.	E1	1 3/8	4/8	1 1/2	3/4
		E2	1 1/2	3/4	1 1/4	1/2



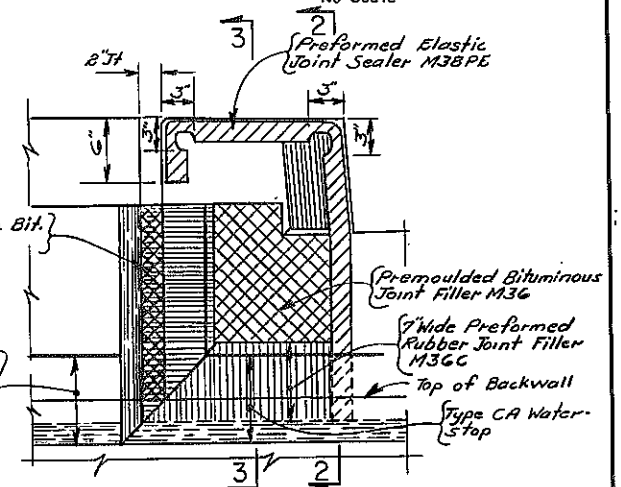
DETAIL "A"



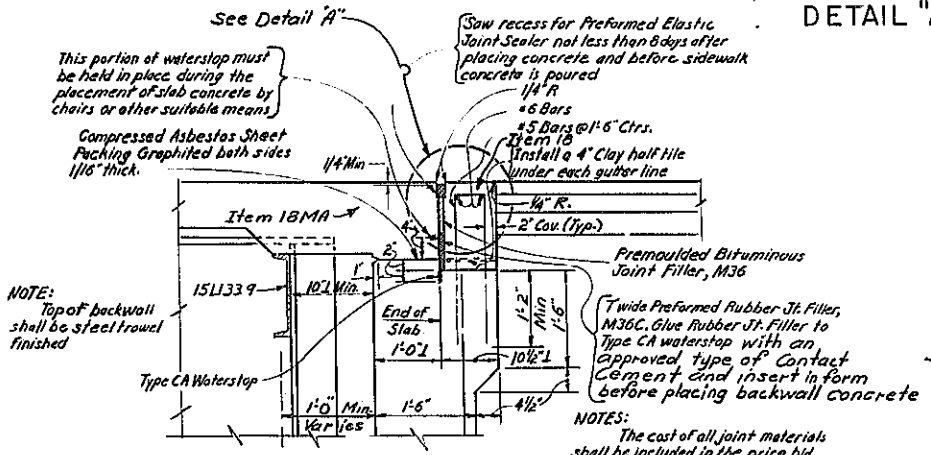
WATERSTOP INSTALLATION DETAIL
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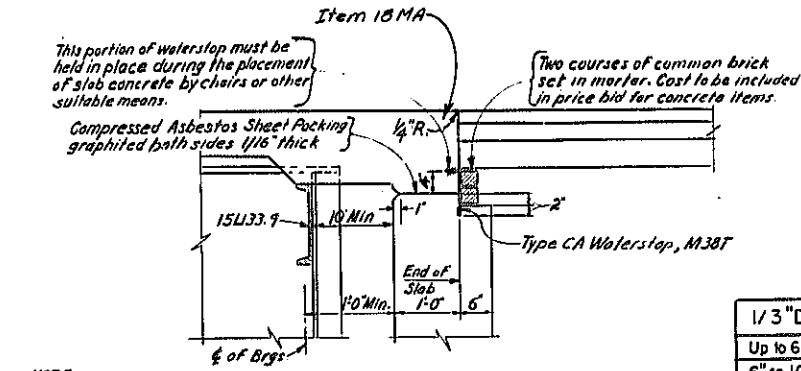
PLAN OF FIXED JOINT AT ABUTMENTS
BR. NO. 5, 6 & 7
No Scale



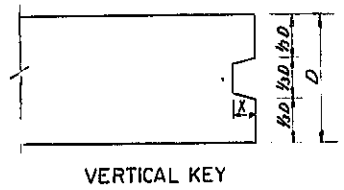
SECTION I-I
No Scale



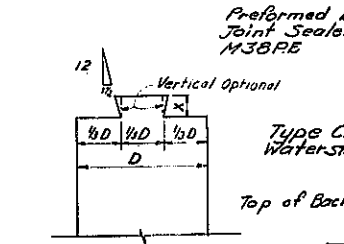
BR. NO'S. 1, 4, 6
EXPANSION JOINT AT ABUTMENT
(MONOLITHIC SLAB with ASPHALT APPROACH)
No Scale



BR. NO'S. 5, 6, 7
FIXED JOINT AT ABUTMENT
(MONOLITHIC SLAB with ASPHALT APPROACH)
No Scale

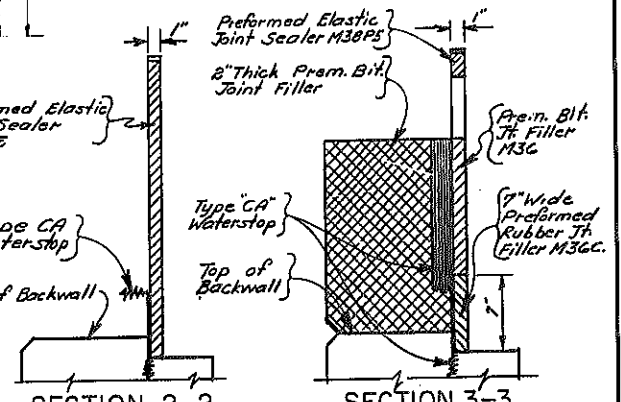


VERTICAL KEY



HORIZONTAL KEY

TYP. KEY DETAILS
No Scale

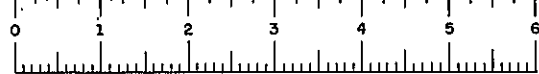


SECTION 2-2
No Scale

SECTION 3-3
No Scale

PROJECT ENGINEER A. Koroluk
 IN CHARGE OF L.H. Turner & D. G. Conroy
 DESIGNED BY L.H. Turner & D. G. Conroy
 DESIGN CHECKED BY R.M. Grogan & R. Orsini
 DETAILED BY F. B. Johnson
 CORRECTED BY L.H. Turner & D. G. Conroy

EUCLID-NORTH SYRACUSE
COMMON DETAILS

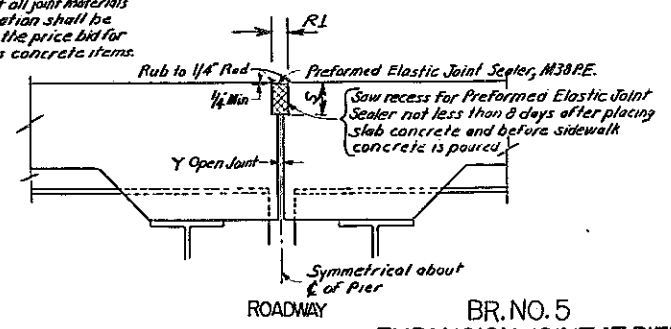


FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		155	257
EUCLID-NORTH SYRACUSE				

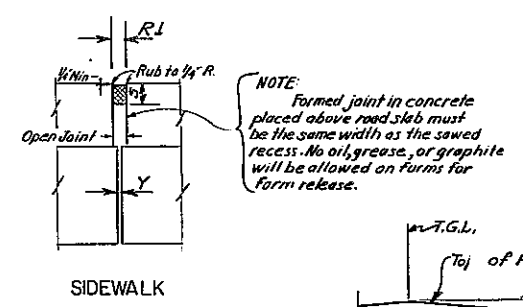
"R" dimension is measured at 68°F
 "T" is the amount that "R" must be decreased for every 10° rise in temperature or increased for every 10° fall in temperature.

	TYPE	R	S	Y	T
PIER 1	C1	1 1/4"	2 3/4"	1/2"	1/16"
	C2	1 1/4"	2 1/2"	1/2"	1/16"
PIER 2	D1	1 3/4"	3 3/4"	3/4"	5/64"
	D2	1 3/4"	3 3/4"	3/4"	5/64"

The cost of all joint materials and preparation shall be included in the price bid for the various concrete items.



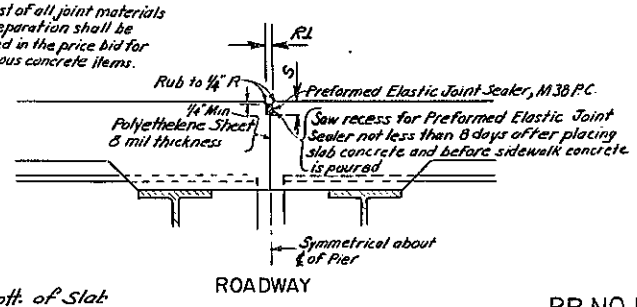
BR. NO. 5
 EXPANSION JOINT AT PIER
 No Scale



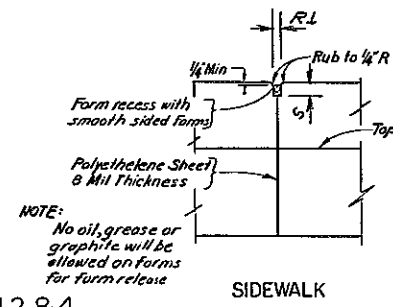
SIDEWALK

NOTE: Formed joint in concrete placed above road slabs must be the same width as the sawed recess. No oil, grease, or graphite will be allowed on forms for form release.

The cost of all joint materials and preparation shall be included in the price bid for the various concrete items.



ROADWAY

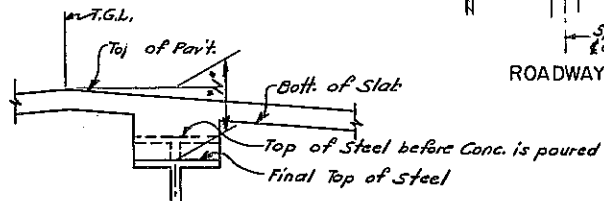


SIDEWALK

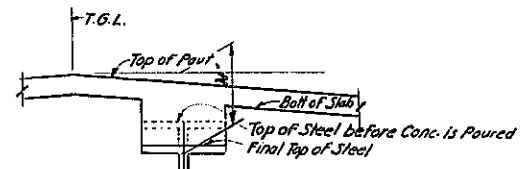
ANTICIPATED ROTATION	TYPE	R	S
3/8 TO 3/4	G1	3/4"	1 1/2"
	G2	3/4"	1 3/4"

NOTE: No oil, grease or graphite will be allowed on forms for form release.

BR. NO. 1, 2, & 4
 FIXED JOINT AT PIER



HAUNCH DETAIL
 BR. NO. 5
 NO SCALE



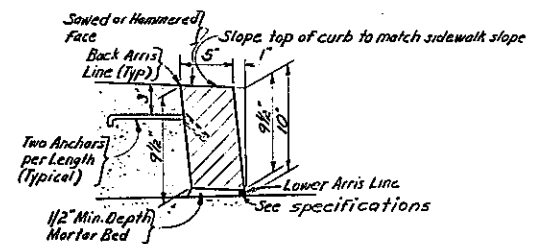
TYR. HAUNCH DETAIL
 BR. NO. 1, 2, 4 & 7
 NO SCALE

After all superstructure steel has been erected and braced in its final position, elevations shall be taken on top of the steel at the centerline of web at each centerline of bearing, center of the span and at other locations where theoretical bottom of slab elevations are indicated on the plans.

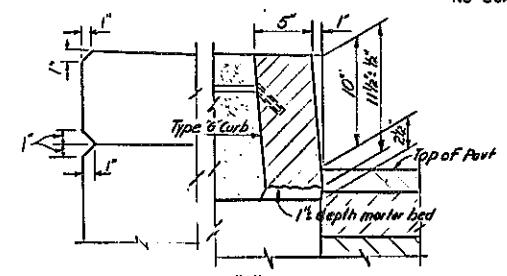
The depth of haunch required to position the slab forms is obtained as follows: From the measured top of steel elevations subtract the deflections due to slab and superimposed dead load. Subtract this result from the listed theoretical bottom of slab elevation.

Material thickness of thicker part joined (inches)	Min size of fillet weld (inches)
To 1/2	5/16
over 1/2 to 2 1/4	3/8
over 2 1/4 to 6	1/2

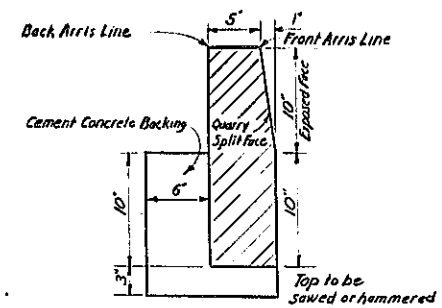
NOTE: Stiffener to web and other non stressed conn. shall have a min. 1/4" fillet weld. All other welds a min of 5/16" fillet weld.



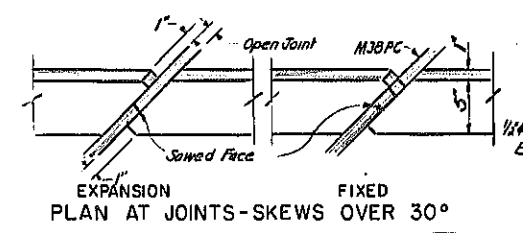
TYPE "F" CURB (GRANITE)



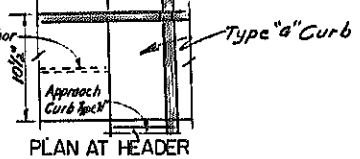
TYPE "G" CURB (GRANITE)



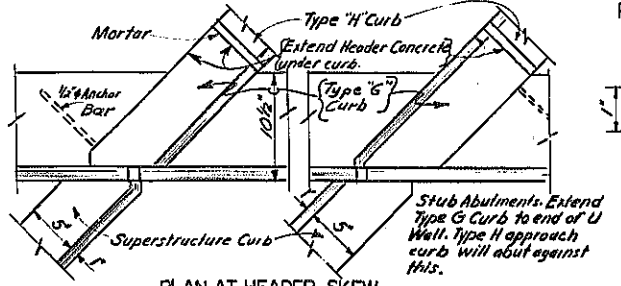
TYPE "H" CURB (GRANITE)



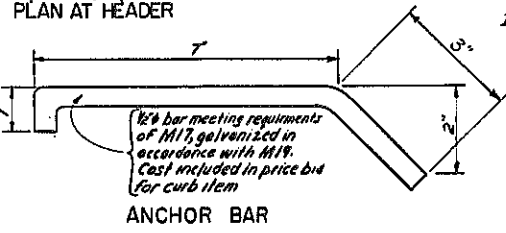
EXPANSION PLAN AT JOINTS-SKEWS OVER 30°



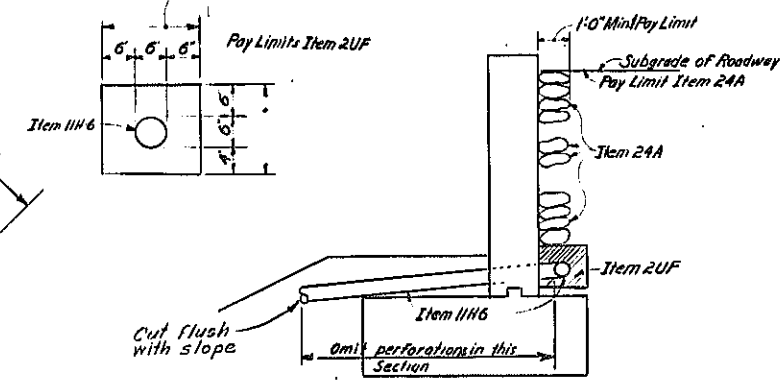
PLAN AT HEADER



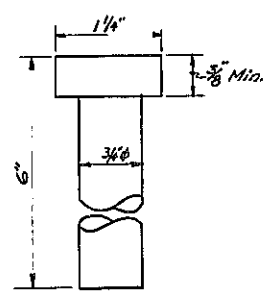
PLAN AT HEADER-SKEW
 CURB DETAILS
 No Scale



ANCHOR BAR



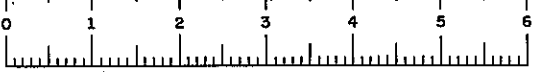
UNDERDRAIN DETAILS
 No Scale



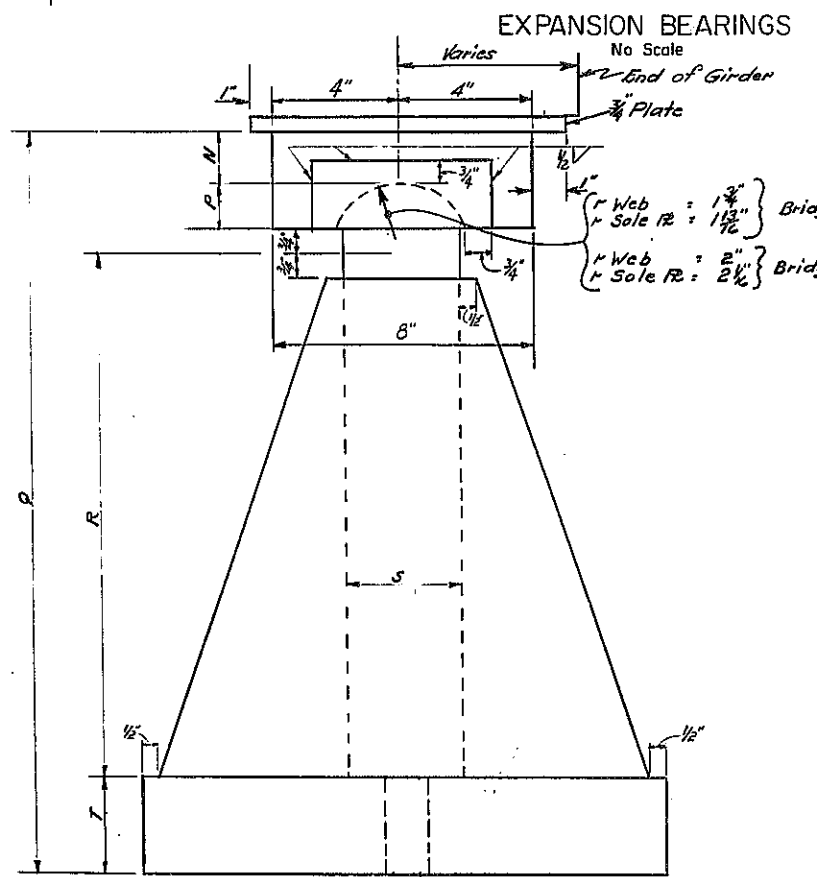
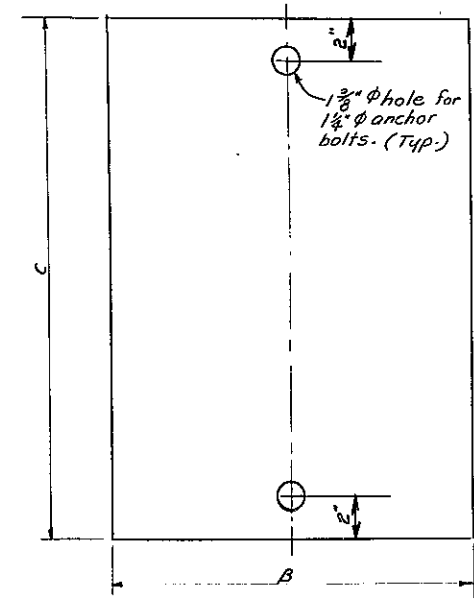
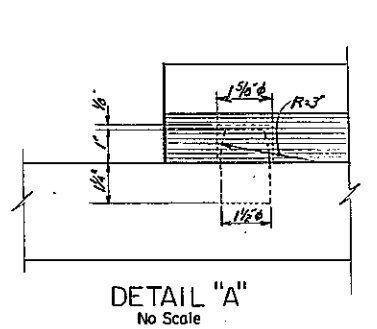
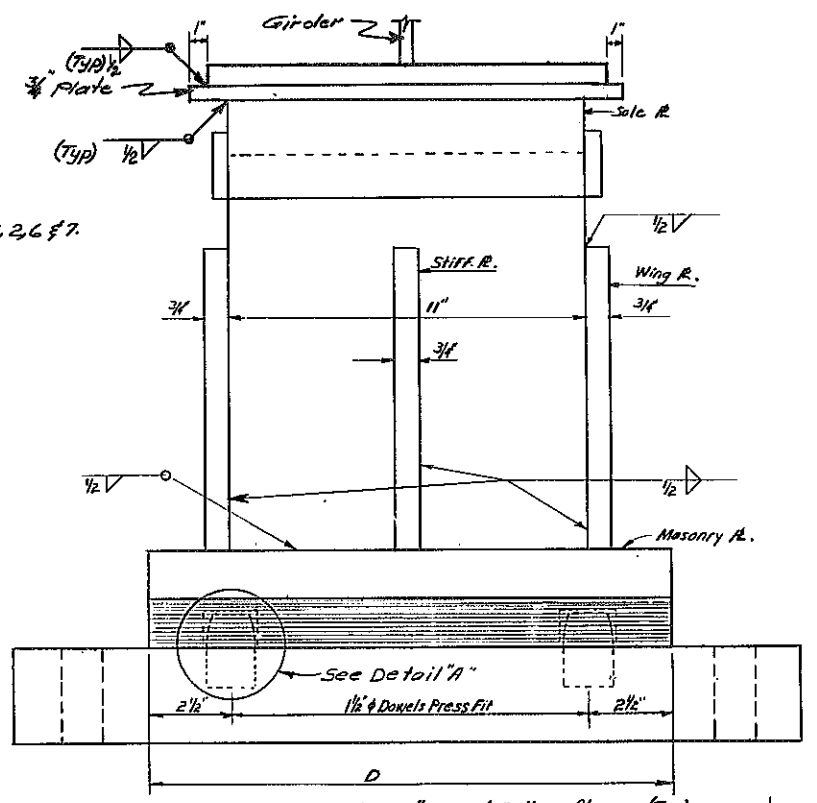
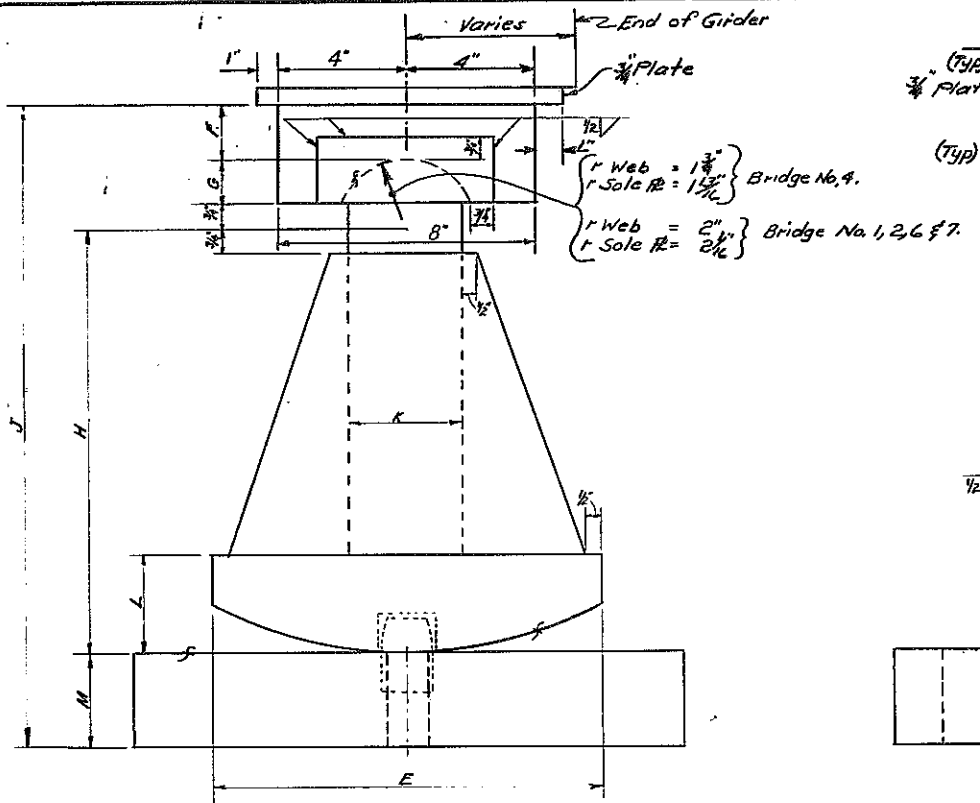
STUD DETAIL
 No Scale

PROJECT ENGINEER A. Karolik
 IN CHARGE OF L. H. TUPPIN
 DESIGNED BY W. T. TOWNSEND
 DESIGN CHECKED BY R. W. GARDNER
 DETAILED BY J. J. BROWN
 DETAIL CHECKED BY L. H. TUPPIN & D. C. GARDNER

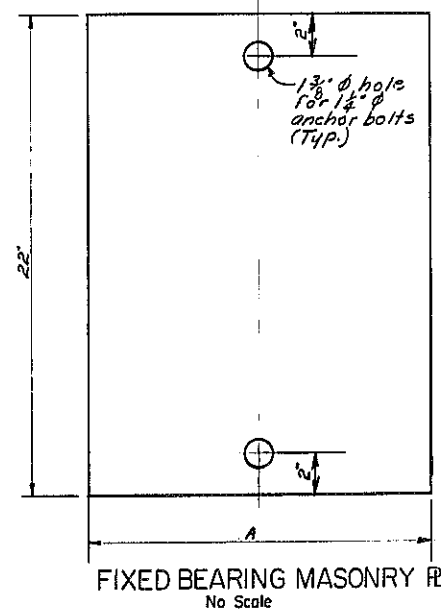
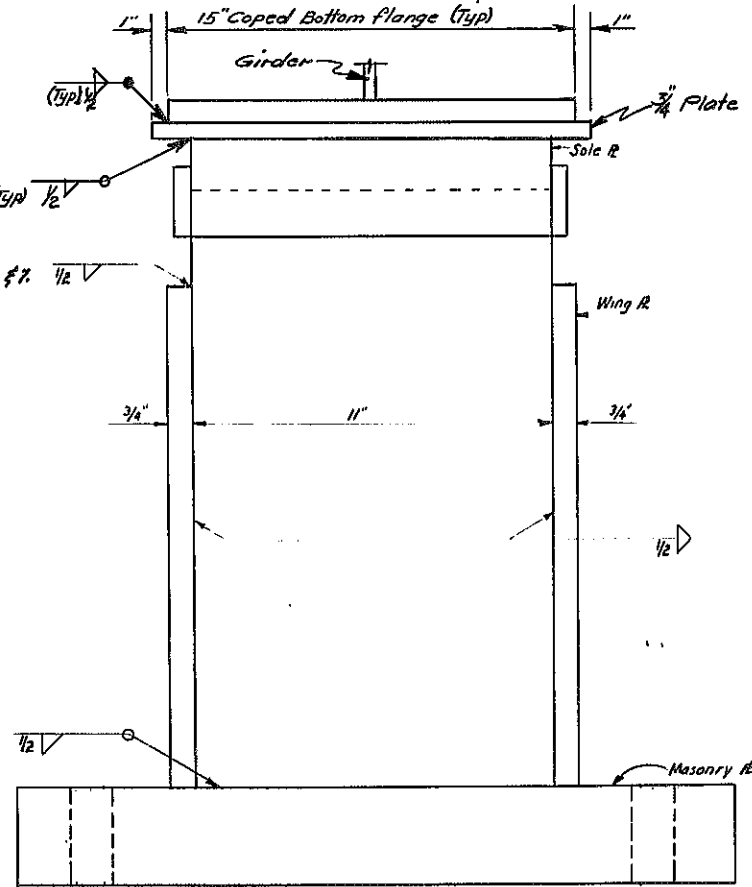
EUCLID-NORTH SYRACUSE
 COMMON DETAILS



FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		156	257
EUCLID-NORTH SYRACUSE				



FIXED BEARINGS
No Scale



NOTE:
Add 1/8" to T dimension on all Fixed bearings on span 1 of Bridge No. 2

DIM.	BRIDGE NO.				
	1	2, 6, 7	4		
A	16'	16'	16'	12'	12'
B	17'	17'	17'	12'	12'
C	24'	24'	24'	23'	23'
D	16'	16'	16'	15'	15'
E	12'	12'	12'	8'	8'
F	1 3/4"	1 3/4"	1 3/4"	1 1/2"	1 1/2"
G	1 1/4"	1 1/4"	1 1/4"	1"	1"
H	13'	13'	13'	9'	9'
J	19 3/4"	19 3/4"	19 3/4"	14 1/4"	14 1/4"
K	3 1/2"	3 1/2"	3 1/2"	3"	3"
L	3"	3"	3"	2 1/2"	2 1/2"
M	3"	3"	3"	2"	2"
N	1 3/4"	1 3/4"	1 3/4"	1 1/2"	1 1/2"
P	1 1/4"	1 1/4"	1 1/4"	1"	1"
Q	19 3/8"	19 3/8"	19 3/8"	14 1/4"	14 1/4"
R	13'	13'	13'	9'	9'
S	3 1/2"	3 1/2"	3 1/2"	3"	3"
T	3"	3"	3"	2"	2"

NOTE:
All dimensions in this table are expressed in inches.

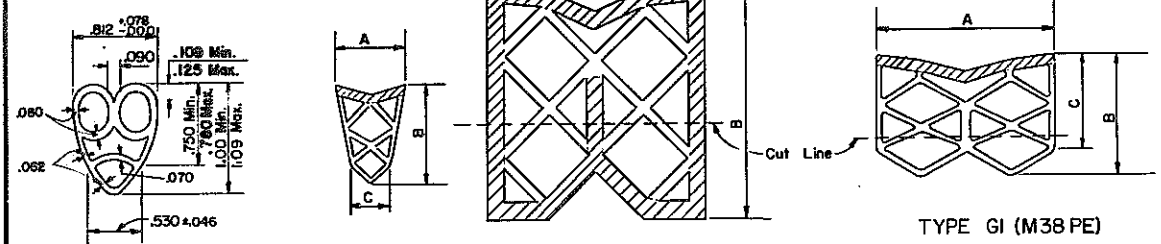
PROJECT ENGINEER: A. Karolak
IN CHARGE OF: L. H. ...
DESIGNED BY: L. H. ...
DESIGN CHECKED BY: ...
DETAILED BY: ...
DETAIL CHECKED BY: ...

EUCLID-NORTH SYRACUSE
COMMON DETAILS

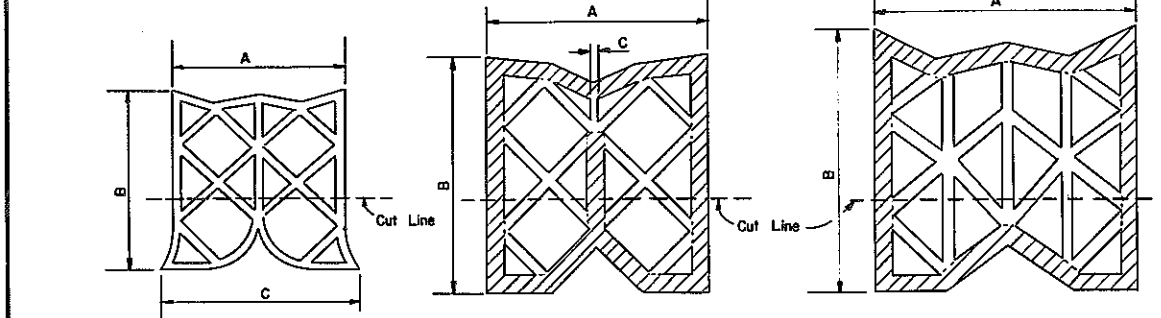


FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		157	257
EUCLID-NORTH SYRACUSE				

All internal webs and shell dimensions $\pm .015$



TYPE A2 (M38PE) TYPE A1 (M38PE) TYPES B1, C1, D1, E1, & F1 (M38PE)



TYPES B2, C2, & G2 (M38PE) TYPE D2 (M38PE) TYPES E2 & F2 (M38PE)

Cross hatched portions of the above details shall be considered as the shell.
Non-cross hatched portions of the above details shall be considered as webs unless a specific dimension is shown.

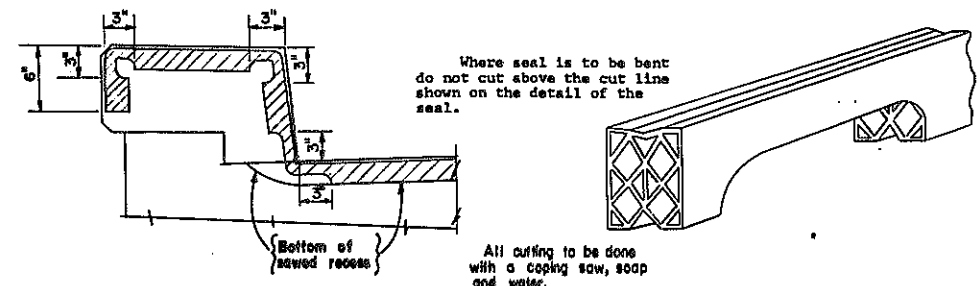
Any changes in the shape or dimensions of preformed elastic joint sealer must be approved by the Deputy Chief Engineer, (Design). The minimum thickness of any web shall not be less than as specified. The average thickness of all webs shall be within the tolerances specified.

TYPES	A	B	C	THICKNESS	
				SHELL	WEBS
A1	1 3/16" $\pm .06$	1 7/8" $\pm .06$	7/16" $\pm .04$	3/32" $\pm .02$	3/16" $\pm .02, -.01$
A2					
B1	1 3/4" $\pm .19, -.00$	2" $\pm .13$		1/8" $\pm .03, -.02$	3/32" $\pm .02, -.03$
B2	1 3/4" $\pm .19, -.00$	1 3/4" $\pm .13$	2" $\pm .19$		3/16" $\pm .03, -.02$
C1	2" $\pm .19, -.00$	2 1/8" $\pm .13$		1/8" $\pm .03, -.02$	3/32" $\pm .03, -.02$
C2	2" $\pm .19, -.00$	2" $\pm .13$	2 1/4" $\pm .19$		3/32" $\pm .03, -.02$
D1	2 1/2" $\pm .25, -.00$	2 3/4" $\pm .13$		3/16" $\pm .04, -.03$	5/32" $\pm .03, -.02$
D2	2 1/2" $\pm .25, -.00$	2 3/4" $\pm .13$	3/64" $\pm .03, -.02$	3/16" $\pm .04, -.03$	3/32" $\pm .03, -.02$
E1	3" $\pm .25, -.00$	3 13/32" $\pm .19$		3/16" $\pm .04, -.03$	1/8" $\pm .04, -.03$
E2	3" $\pm .25, -.00$	3" $\pm .19$		3/16" $\pm .04, -.03$	1/8" $\pm .04, -.03$
F1	4" $\pm .31, -.00$	4 23/32" $\pm .25$		1/4" $\pm .04, -.03$	3/16" $\pm .04, -.03$
F2	4" $\pm .31, -.00$	4" $\pm .25$		3/16" $\pm .04, -.03$	1/8" $\pm .04, -.03$
G1	1 5/8" $\pm .13, -.00$	1 7/8" $\pm .13$	1 1/8" $\pm .06$	3/32" $\pm .02$	5/64" $\pm .02$
G2	1 5/8" $\pm .13, -.00$	1 5/8" $\pm .13$	1 7/8" $\pm .13$		5/64" $\pm .03, -.02$

Joints which are to be sealed with preformed elastic joint sealers shall be sealed before the structure is opened to traffic, including construction traffic, and before discontinuing operation when work is suspended during the winter. The joints shall be thoroughly cleaned, using whatever equipment or method is necessary and when they are free of foreign material, M38PE Sealer shall be installed by suitable hand or machine tools and thoroughly secured in place with the lubricant which shall cover both sides of the sealer over the full area in contact with the sides of the joint. The sealer shall be installed in a compressed condition at the depth shown on the contract plans.

The sealer shall be supplied in one piece for the full width of each joint. Splices will not be permitted when the length of this piece is less than 50 feet. For lengths up to 100 feet one shop splice will be permitted. For lengths in excess of 100 feet shop splices may be placed at approximately 50 foot intervals.

On structures with a longitudinal expansion joint the transverse sealers shall be placed in one piece between fascias. Longitudinal sealers shall be placed in one piece between the transverse sealers or joints and all intersections between transverse and longitudinal sealers shall be sealed with lubricant.

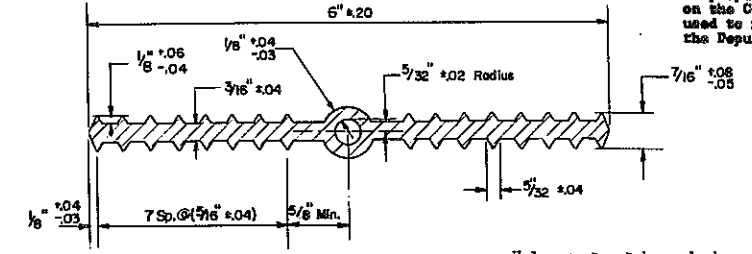


DETAIL FOR CUTTING AND BENDING SEAL (M38PE)

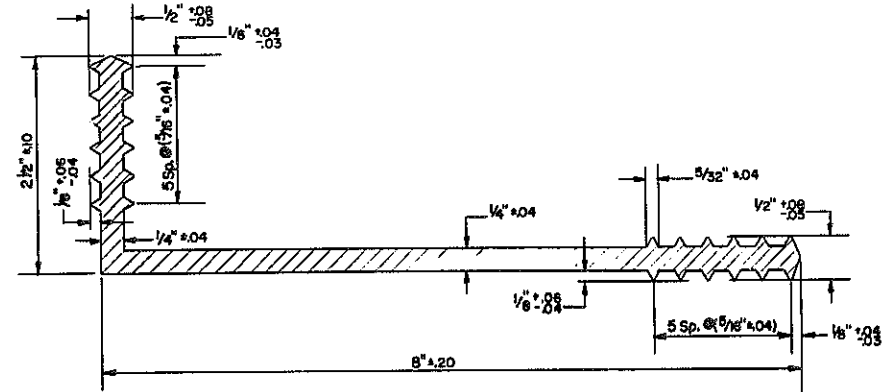
PROJECT ENGINEER: A. Kacalak
IN CHARGE OF: L. J. ...
DESIGNED BY: L. J. ...
DESIGN CHECKED BY: R. ...
DETAILED BY: ...
DETAIL CHECKED BY: D. ...

Revised: 10/67

To facilitate shipping and handling of PVC Waterstops, field butt splices will be permitted on straight runs at points approved by the Engineer. Shop splices shall be used at the locations shown on the Contract Plans. The method and equipment used to make the field splice must be approved by the Deputy Chief Engineer (Design).

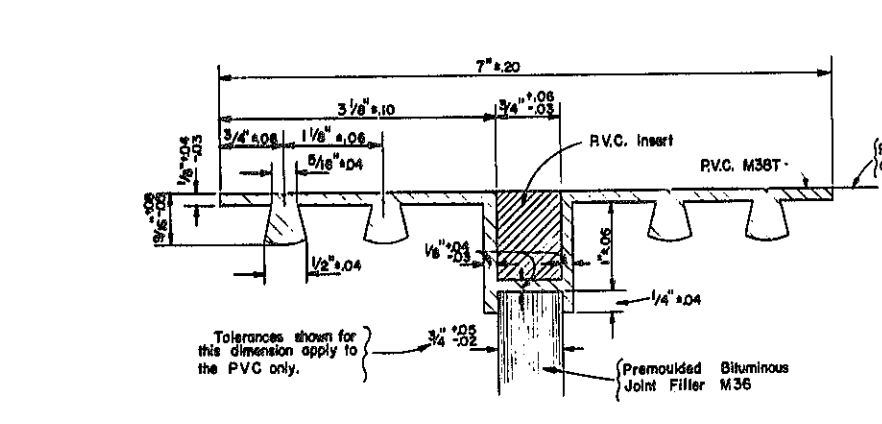


WATERSTOP - TYPE A (M38T)

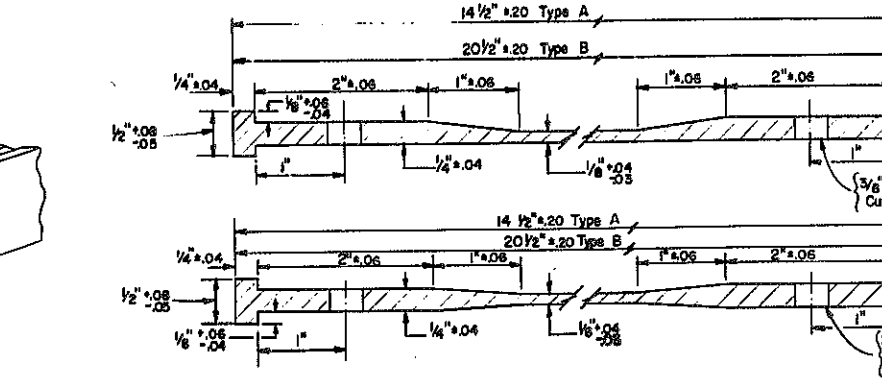


WATERSTOP - TYPE B (M38T)

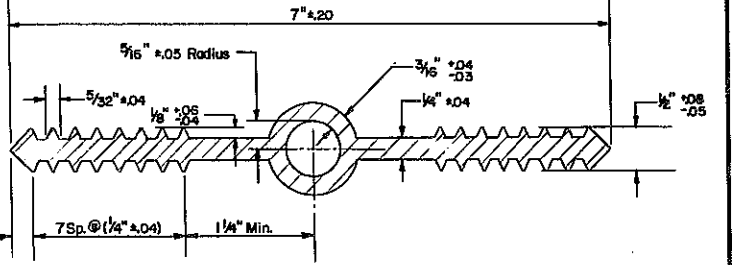
WATERSTOP TYPE CA (M38T)



TYPE E WATERSTOP

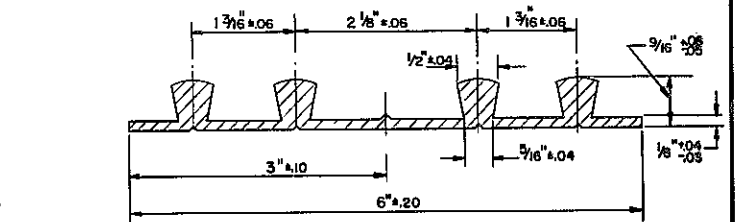


TYPES A & B PVC TROUGHS (M38T) EITHER SHAPE MAY BE USED



WATER STOP - TYPE B (M38T)

WATERSTOP - TYPE D (M38T)



Holes must not be made in waterstop for any purpose except as required for tacking to forms. Tacking to forms will only be permitted in the area between the outside ribs and the edges of waterstop. Type D waterstop shall be light gray in color.

WATERSTOP - TYPE D (M38T)

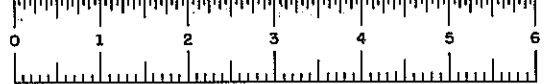
PVC Insert: Closed cell polyvinyl chloride (SP) Grade VE-45W as per ASTM D1667. Color shall be light gray. Density shall be a min. of 3 lbs. and a max. of 5 lbs. per cubic foot. Material shall be sampled as and at the same time as the M38T. The sides of the PVC Insert shall be bonded to the waterstop at the factory.

Holes must not be made in waterstop for any purpose except as required for tacking to forms. Tacking to forms will only be permitted in the area between the outside ribs and the edges of waterstop. Type E waterstop shall be light gray in color.

One longitudinal shop splice will be permitted in the fabrication of the Type B Trough. PVC trough to be paid for under Item 101B.

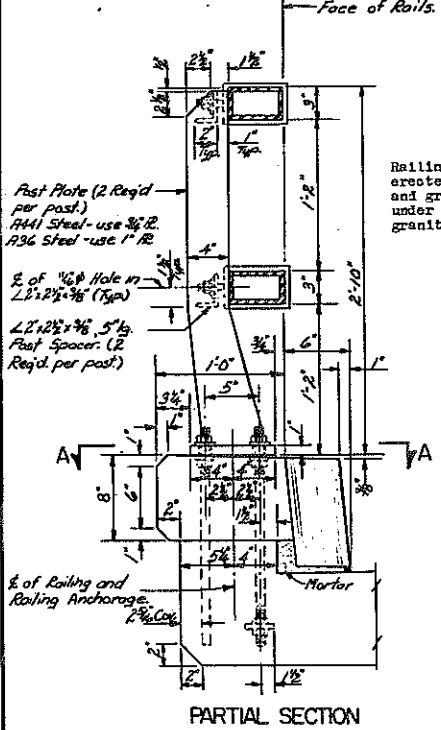
EUCLID-NORTH SYRACUSE COMMON DETAILS

PREFORMED ELASTIC JOINT SEALER PVC WATERSTOPS AND PVC TROUGHS

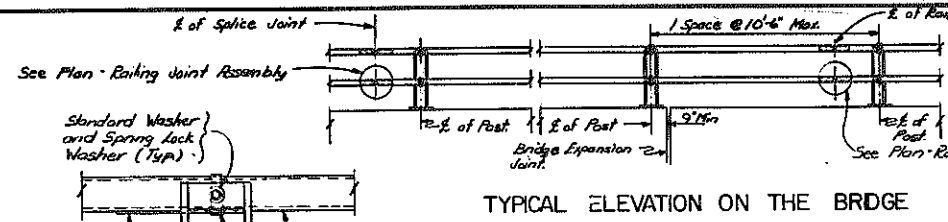


FED. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		158	257
EUCLID-NORTH SYRACUSE				

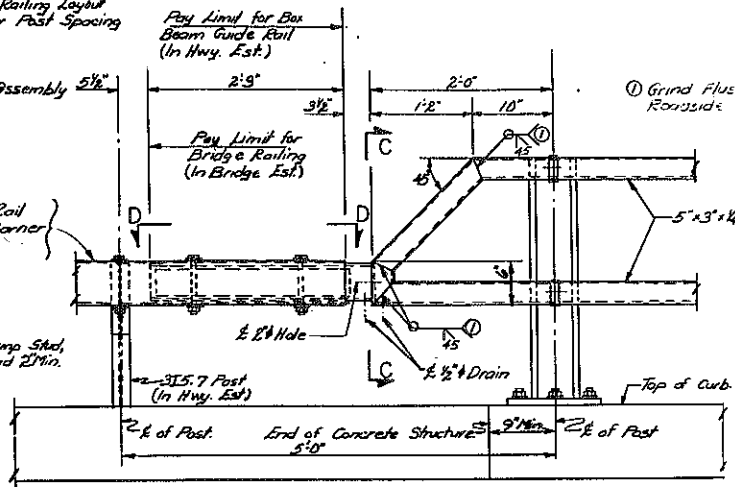
Note: Grind all edges of post plates and base plate so that all sharp edges are removed.



Railing Post shall be erected to proper line and grade before concrete under post and in back of granite curb is poured.

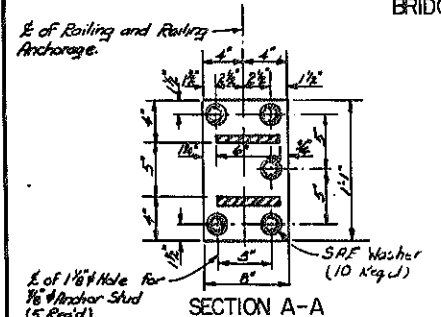


NOTE: See Railing Layout Sheet for Post Spacing

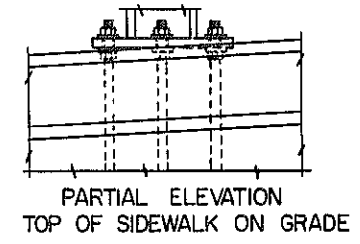


Notes:
 All railing is to be fabricated and erected so that the rails are parallel to each other and to the top of curb and so that the posts are truly vertical.
 Since the finished railing must meet all requirements of fit, alignment, grade and verticality of post to the full satisfaction of the Engineer, it is suggested that complete field measurements be made before any shop fabrication is performed.
 The Base Plates shall be perpendicular to the post unless otherwise noted. When the railing is to be placed on a prepared surface, the Base Plate may be parallel to the grade or may be perpendicular to the post and made level by the use of beveled shims.
 Tubular steel rails, rail clamp assemblies including studs, nuts and washers, posts, post webs if required, post spacers, base plates, railing joint assemblies and any necessary shims and/or pads shall be paid for under the railing item.

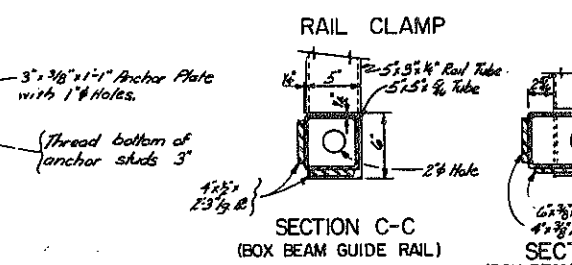
Anchor studs, nuts, washers and anchor plates shall be paid for under item #...
 After the anchor stud nuts have been placed and tightened to the satisfaction of the Engineer, the studs shall be cut off 1/8 inch above the nut and peened.
 Rails shall span a minimum of 3 posts. If this is impossible the absolute minimum shall be two posts with one of these posts being a special post.
 Materials used in the manufacture of this railing shall conform to the requirements and/or specifications listed below.
 Rail Tubes - ASTM Designation A500 Grade B A501.
 Rail Clamps and End Caps - ASTM Designation A36 Designation A307
 Channel Rail Splices - ASTM Designation A36
 Tubular Rail Splices - ASTM Designation A500 Grade B or A501
 Splice Plates - ASTM Designation A36
 3/4" Post Plates - ASTM Designation A441
 1" Post Plates - ASTM Designation A36
 Post Spacers - Same as post plate material
 Base Plates - Same as post plate material
 Beveled Shims - ASTM Designation A307
 Nuts and Washers for Anchor Studs, - ASTM Designation A325
 Anchor Plates - ASTM Designation A36
 Post Web Plates (if required) - Same as post plate material
 Plate Shims - ASTM Designation A36
 Beveled Shims - Material Specification M13
 Galvanized Railing - All components of the railing including anchor studs, nuts, and washers shall be galvanized in accordance with Material Specification M19. Anchor studs shall have a Class 2A thread fit prior to galvanizing. The out portion of the anchor studs shall be given one field coat of dull Orange Primer and two field coats of Ready-Mixed Aluminum Paint conforming to the requirements of Material Specifications M180A and M18J in that order.



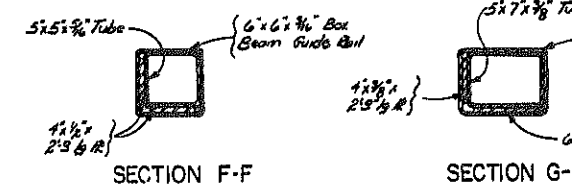
BRIDGE RAILING DETAILS



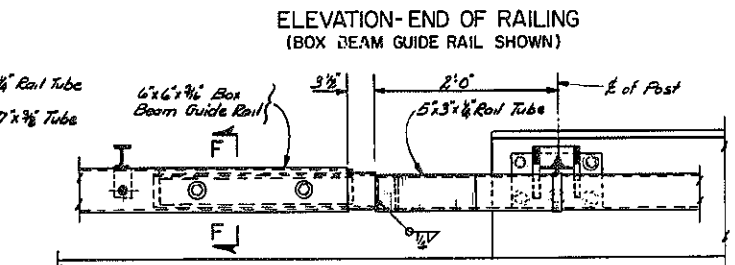
PARTIAL ELEVATION TOP OF SIDEWALK ON GRADE



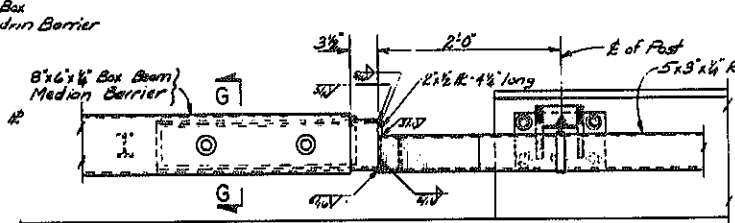
RAIL CLAMP SECTION C-C (BOX BEAM GUIDE RAIL) SECTION C-C (BOX BEAM MEDIAN BARRIER)



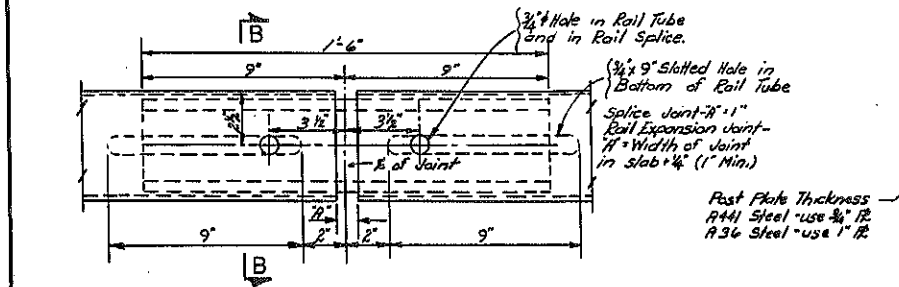
SECTION F-F SECTION G-G



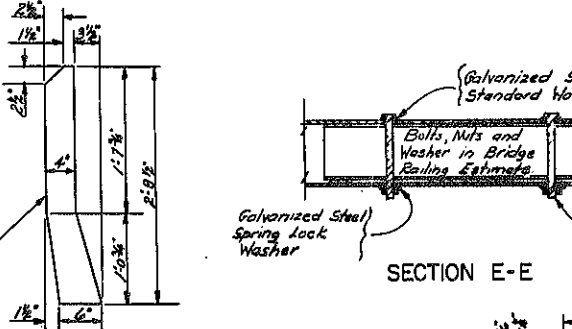
PLAN STEEL BRIDGE RAILING CONNECTION TO BOX BEAM GUIDE RAIL



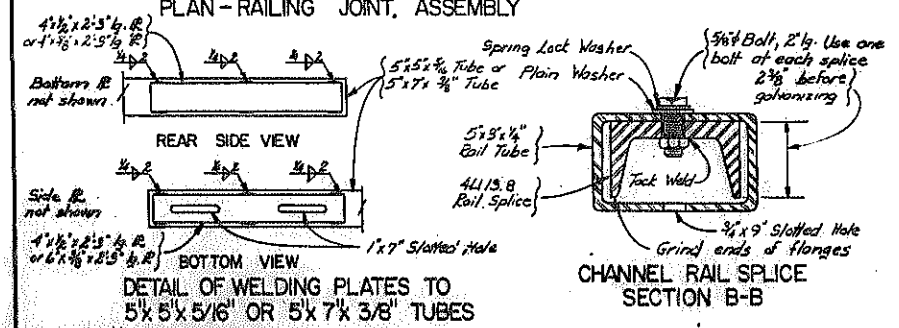
PLAN STEEL BRIDGE RAILING CONNECTION TO BOX BEAM MEDIAN BARRIER



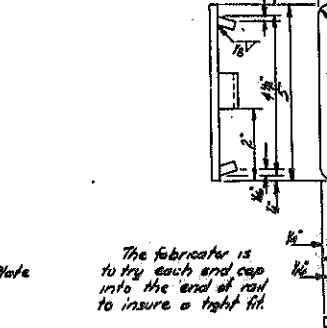
PLAN-RAILING JOINT ASSEMBLY



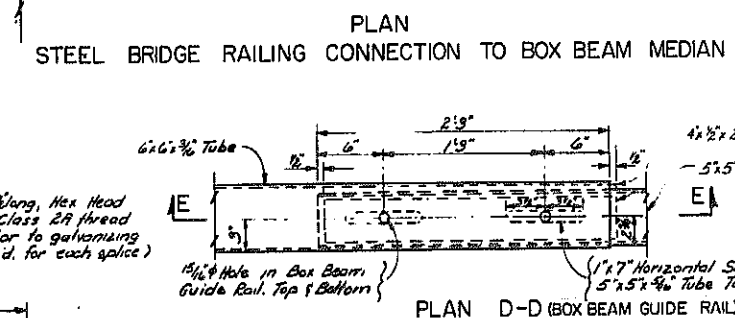
POST PLATE



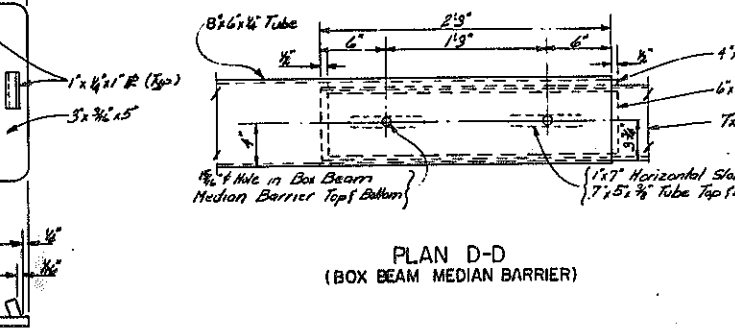
DETAIL OF WELDING PLATES TO CHANNEL RAIL SPLICE SECTION B-B



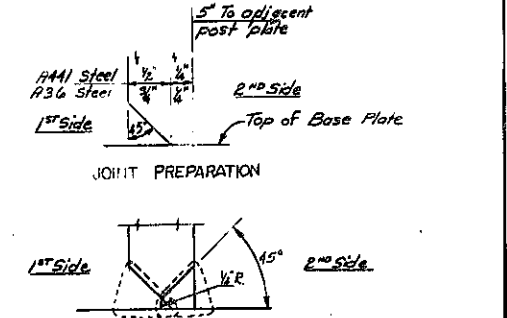
DETAIL OF END CAP



PLAN D-D (BOX BEAM GUIDE RAIL)



PLAN D-D (BOX BEAM MEDIAN BARRIER)



JOINT PREPARATION JOINT WELDING

Procedure:
 1) Weld 1st side completely
 2) Arc gouge 2nd side to sound weld metal.
 3) Weld 2nd side completely to produce full penetration groove weld.

DETAIL "A"

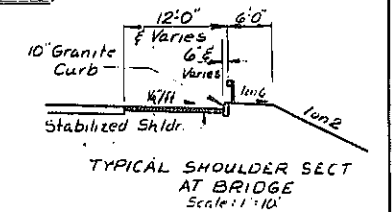
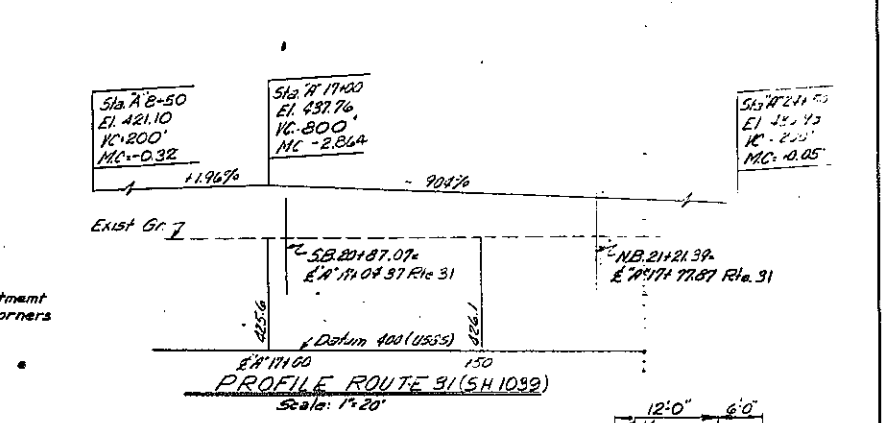
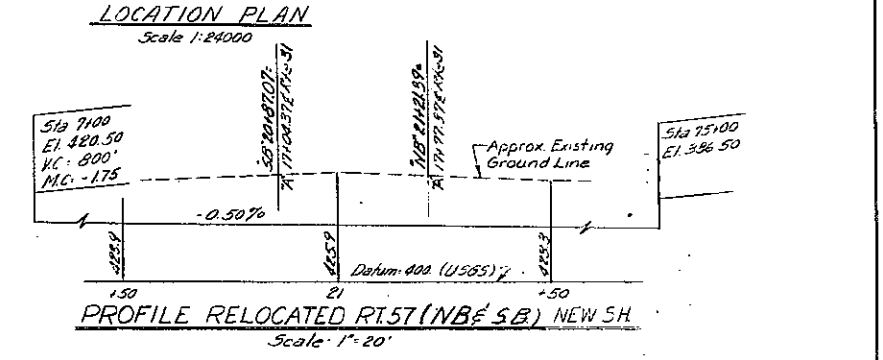
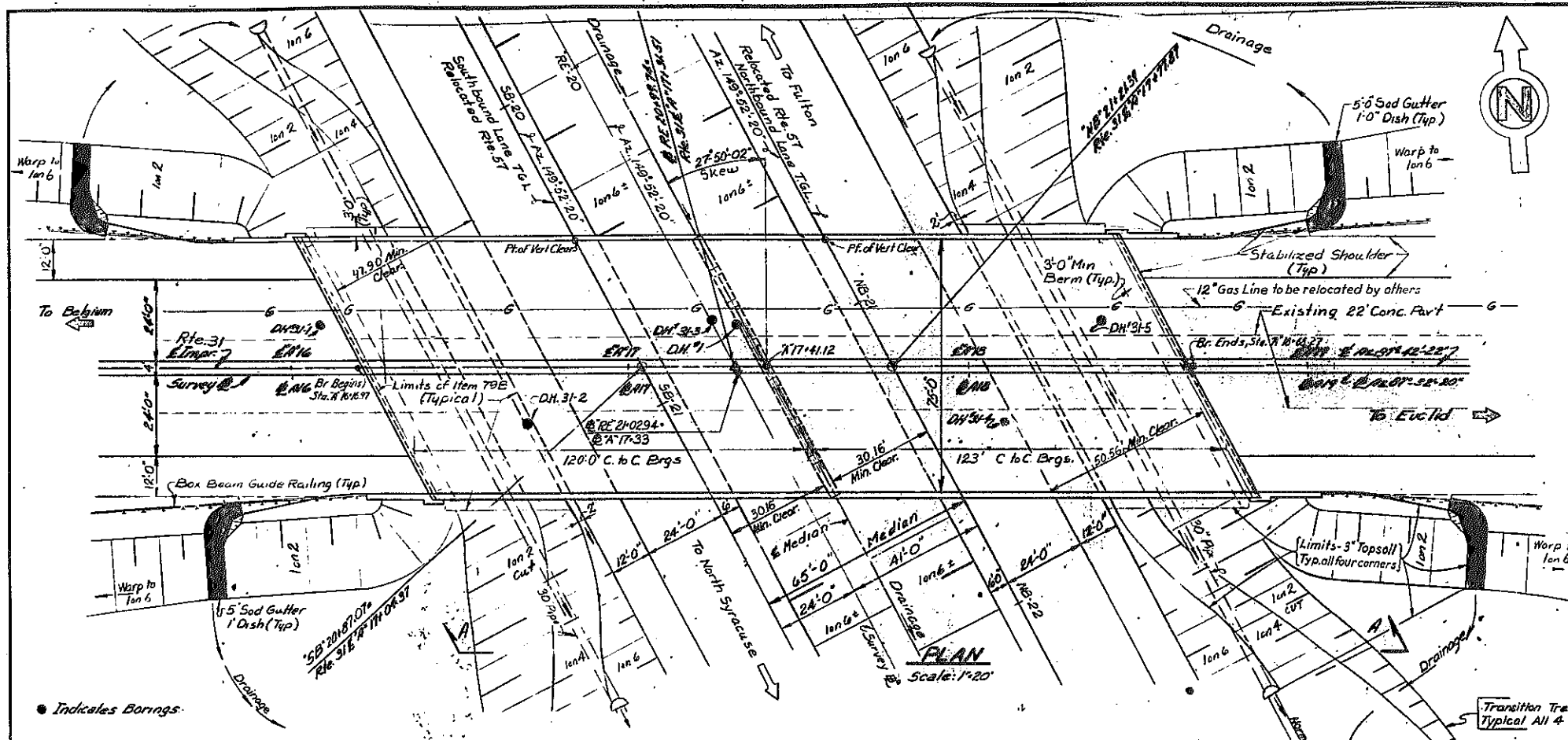
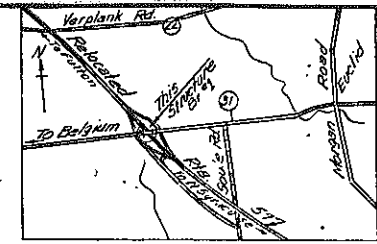
EUCLID - NORTH SYRACUSE
 COMMON DETAILS
 STEEL BRIDGE RAILING - TWO RAIL

DESIGNED BY: K. K. K...
 CHECKED BY: R. R. R...
 REVISIONS: 2/69

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		159 R1	257

EUCLID-NORTH SYRACUSE

AS BUILT



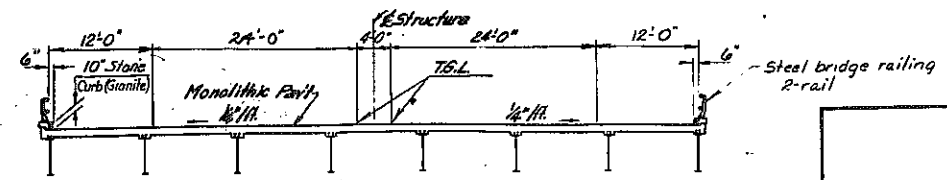
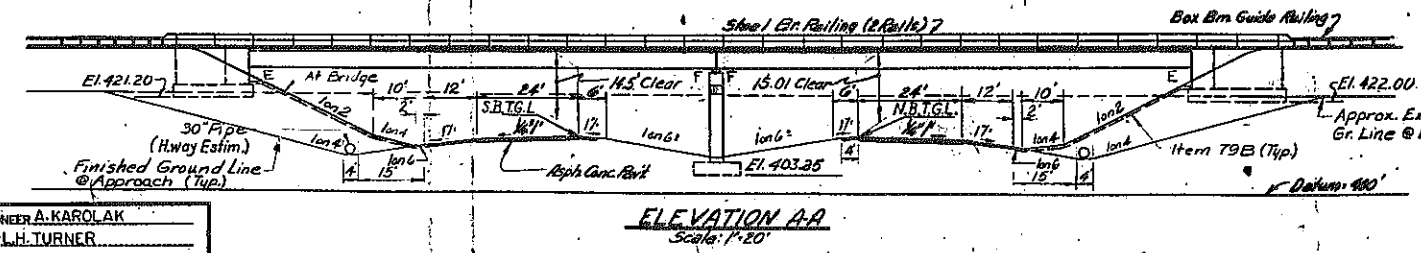
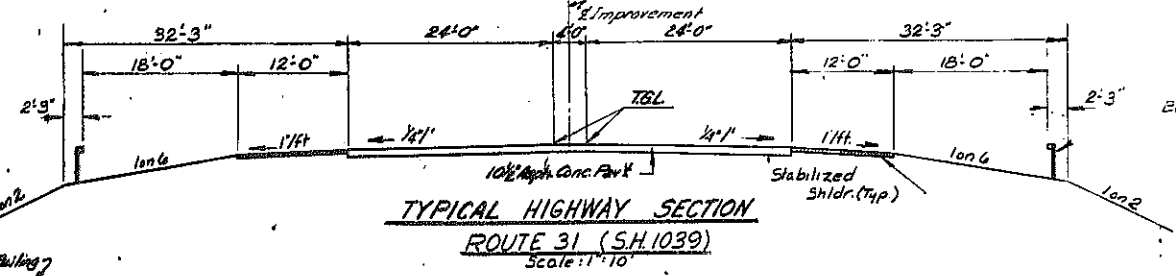
ESTIMATE OF QUANTITIES

ITEM	DESCRIPTION	UNIT	NEAT	PROP	FINAL	ITEM	DESCRIPTION	UNIT	NEAT	PROP	FINAL
2EF-8	Selected Granular Fill	C.Y.	2344	2350	1545.3	79B	Concrete Block Paving	S.Y.	920	920	876.77
2UF	Underdrain Filter	C.Y.	16	20	14	83TXS	Temporary Sheet Piling	S.F.	1368	1370	0
5B	Structure Excavation	C.Y.	444	450	752.5	94SBV	Stone Curb (Bridge Types)	L.F.	74E	750	730
11H-6	Perforated Corrugated Metal Pipe Underdrain 6" φ	L.F.	146	150	275.3	124	Sodding	S.Y.	80	80	0
1B	Class "A" Concrete for Structures	C.Y.	118	120	112.52	363I	Epoxy Protective Coating for Concrete	S.F.	2273	2280	2266
1BMA	Class "A" Concrete for Structures (Monolithic)	S.F.	19519	19520	19407.7	664LD	Linseed Oil Protective Coating for Concrete	Gal.	90	90	0
20	Class "B" Concrete for Structures	C.Y.	470	480	457.31	2WJD	Salvaged Fill (Bridge Foundations)	C.Y.			115.4
24A	Bagged Screened Aggregate	C.Y.	70	70	48.77						
28	Bar Reinforcement for Structures	Lb.	240728	240800	233110						
28B	Stud Shear Connectors	Ea.	2368	2370	4720						
29	Structural Steel	Lb.	632187	632600	629712						
37S(2)	Steel Bridge Railing (two rail)	L.F.	573	580	578.47						
61	Bituminous Material	Gal.	82	90	91.8						

* ITEM 29

TYPE	NEAT	PROP	FINAL
A36	91824	91600	
A441	540663	541000	

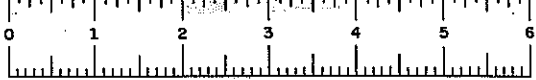
NOTE: For notes see Common Details Dwg. No. 1 to 6 of 6



PROJECT ENGINEER A. KAROLAK
 IN CHARGE OF L.H. TURNER
 DESIGNED BY R.M. PERRY
 DESIGN CHECKED BY S. BOYCE
 DETAILED BY W.C. HAROLD
 DETAIL CHECKED BY D.C. O'BRIEN

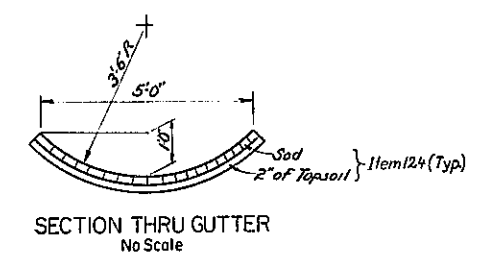
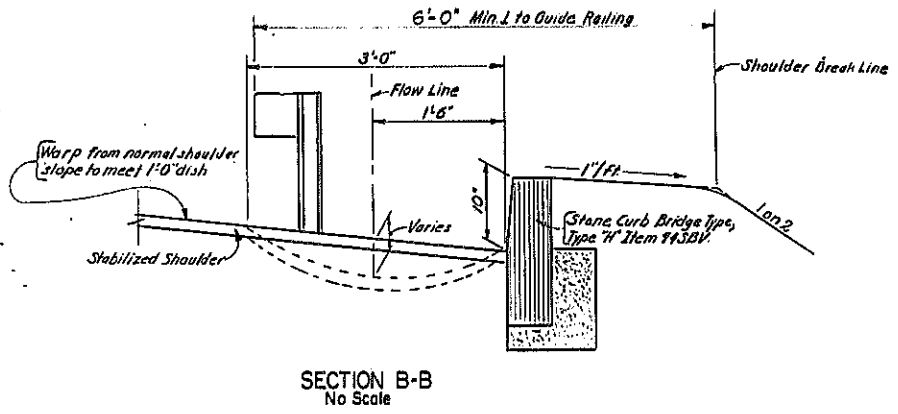
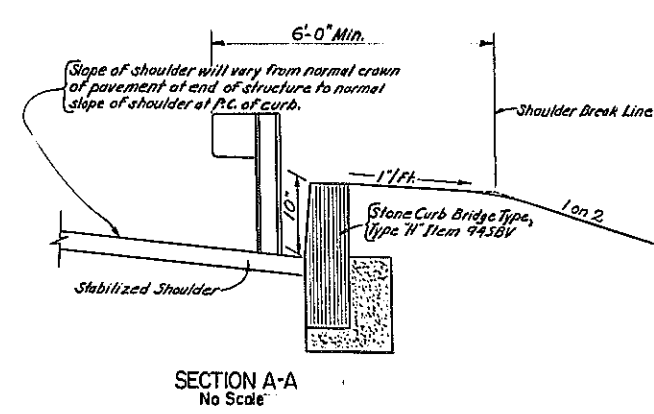
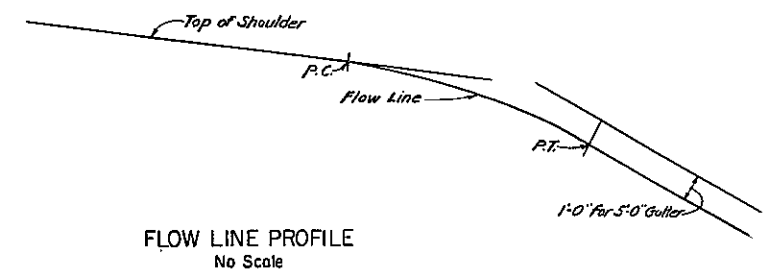
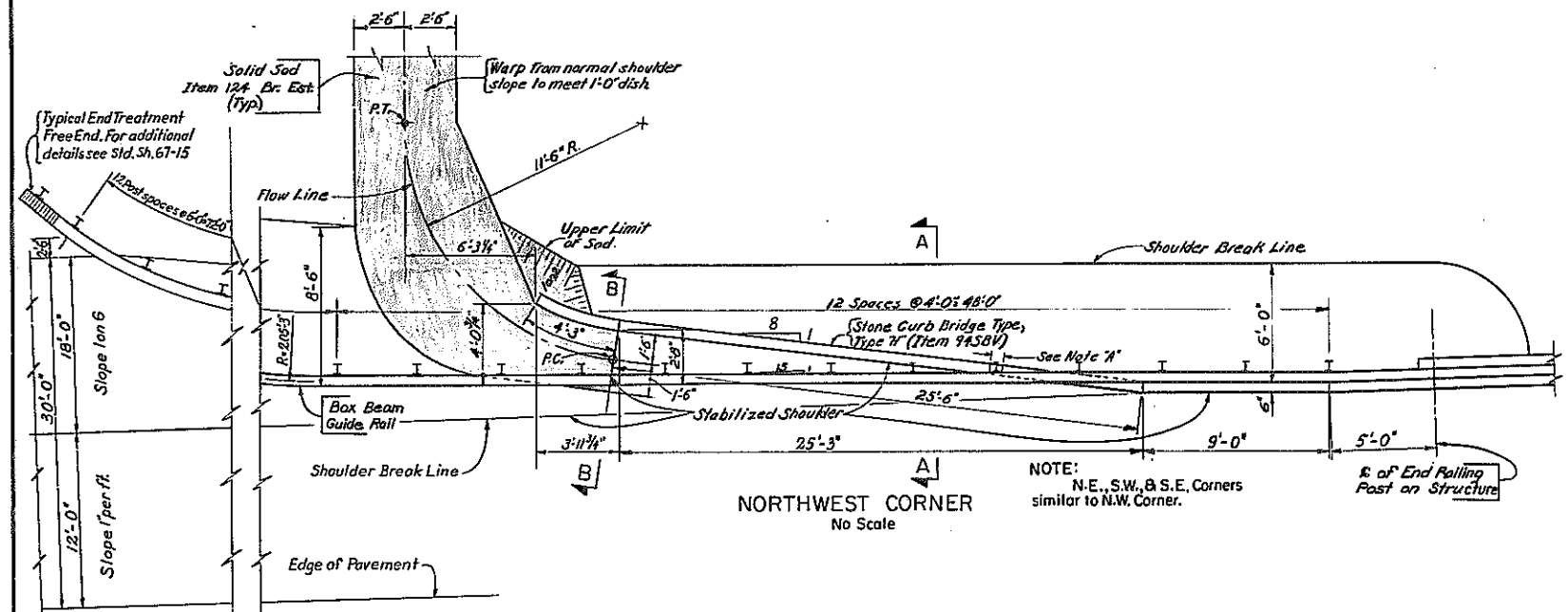
As built revision:
 Final Quantities Shown

BRIDGE NO. 1
 S.H. 1039 over NEW S.H.
 EUCLID - NORTH SYRACUSE
 SB 20+87.07-A17+04.37, NB 21+21.39-A17+77.87
 PLAN & PROFILE
 DRAWING NO. 1 OF 14



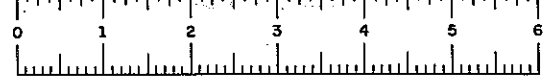
FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		160	257
EUGLID-NORTH SYRACUSE				

Note "A" - 6" minimum gap in granite curb to be filled with mortar after guide rail post has been set. This filled in portion shall be paid for at the unit price bid for the adjacent granite curb.

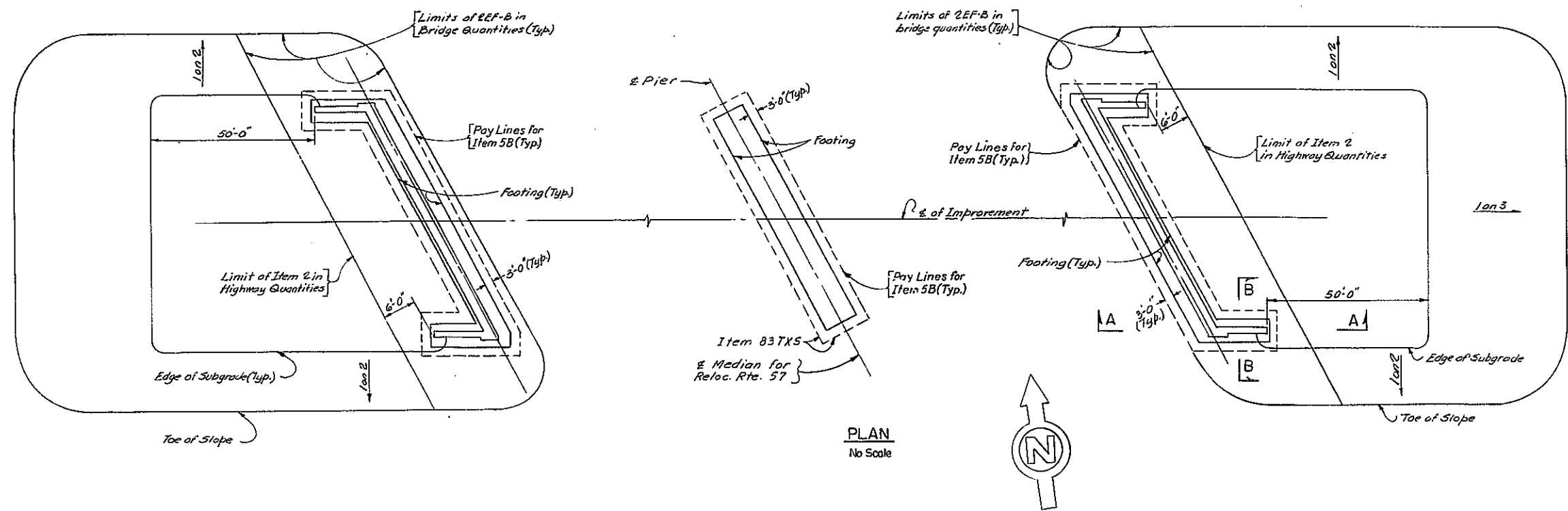


PROJECT ENGINEER A. KAROLAK
 IN CHARGE OF J. TURNER
 DESIGNED BY S.M. Peay
 DESIGN CHECKED BY S. Peay
 DETAILED BY M. B. Miller
 REVIEW CHECKED BY R.E. Doyle

BRIDGE NO. 1
 S.H. 1039 over NEW S.H.
 EUGLID - NORTH SYRACUSE
 SB 20+ 87.07 = A17+04.37, NB 21+21.39 = A17+77.87
DRAINAGE DETAILS
 DRAWING NO. 2 OF 14



FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		161	257
EUCLID-NORTH SYRACUSE				



PLAN
No Scale

NOTES:

All sod, topsoil and unsuitable material under the substructure embankment shall be removed as specified under the General Excavation Specifications and replaced by the same item as the layer of the embankment adjacent and above as shown on the plans.

All embankments of Selected Granular Fill (Item 2EF-B) shall be compacted to a minimum dry density of 100% of Maximum Density as defined under "h. Embankments" of the General Excavation Specifications.

However, where the material contains more than 30% by weight, of particles retained on the 3/4" sieve, a minimum dry density of 95% of the Maximum Density will be required.

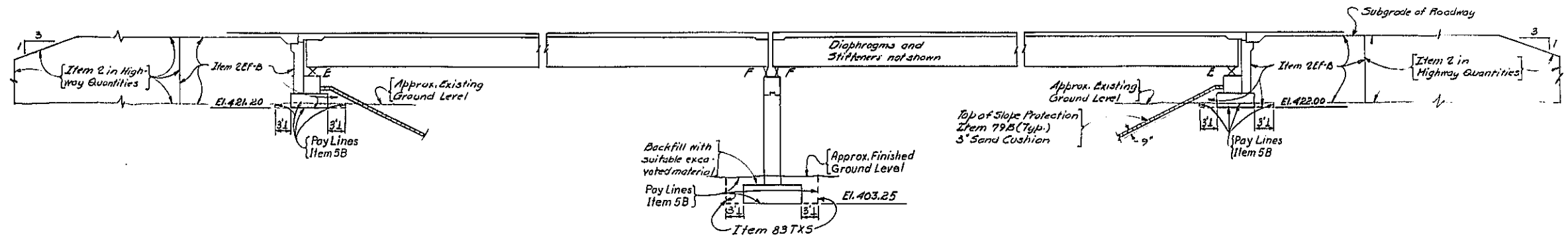
The Contractor shall place and compact all fill for bridges between the final toes of slope in accordance with the plans and specifications in a manner satisfactory to the Deputy Chief Engineer (Design).

Items 2 and 2EF-B shall be placed simultaneously, in contact, on both sides of the vertical payment line. Sheeting or other means shall not be used to separate the two materials.

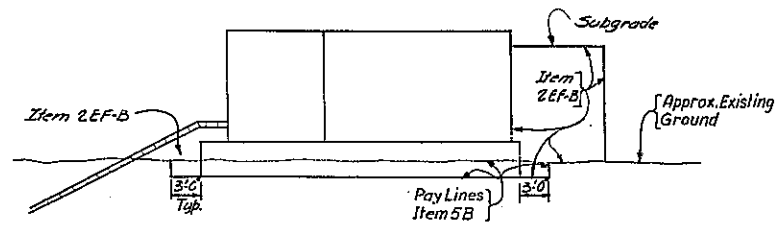
The installation of Selected Fill (Item 2EF-B) as shown on the structural plans, shall be completed immediately following the completion of abutments or walls.

The roadway cut for Reloc. Rte. 57 to be substantially completed under the structure prior to commencing substructure construction.

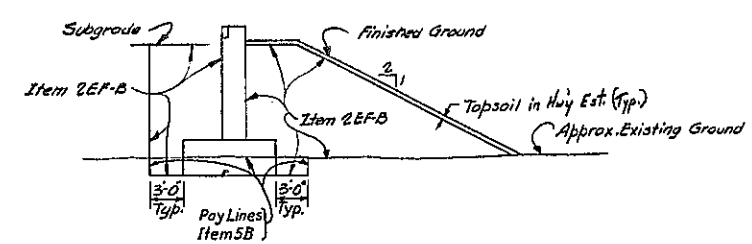
For design purposes the foundation pressure does not exceed 2 1/2 tons per square foot for the abutments and 3 1/2 tons per square foot for the pier,



LONGITUDINAL SECTION ALONG THEORETICAL GRADE LINE
No Scale



SECTION A-A
No Scale



SECTION B-B
No Scale

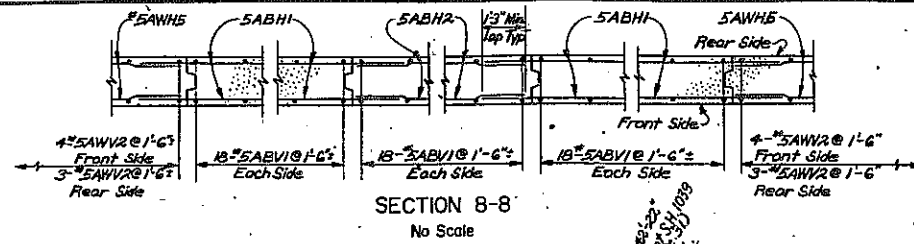
PROJECT ENGINEER A. KAROLAK
 IN CHARGE OF L. H. TURNER
 DESIGNED BY R. M. BERRY
 DESIGN CHECKED BY S. B. BERRY
 DETAILLED BY M. L. LAMAR + M. S. SOROT
 DETAIL CHECKED BY S. B. BERRY

BRIDGE No. 1
 S.H. 1039 over NEW S.H.
 EUCLID - NORTH SYRACUSE
 SB 20 + 87.07 + A17 + 04.37, NB 21 + 21.39 + A17 + 77.87
EXCAVATION & EMBANKMENT
 DRAWING NO. 3 OF 14

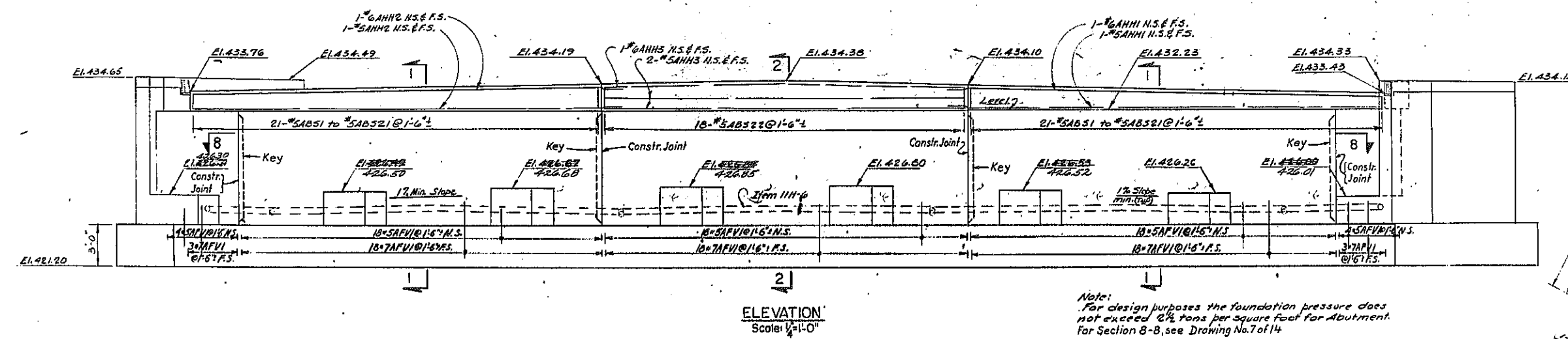
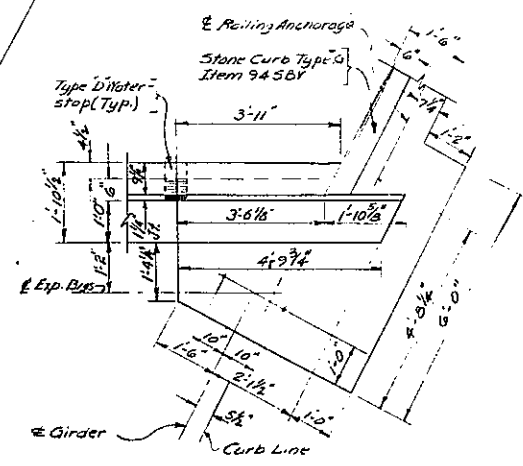
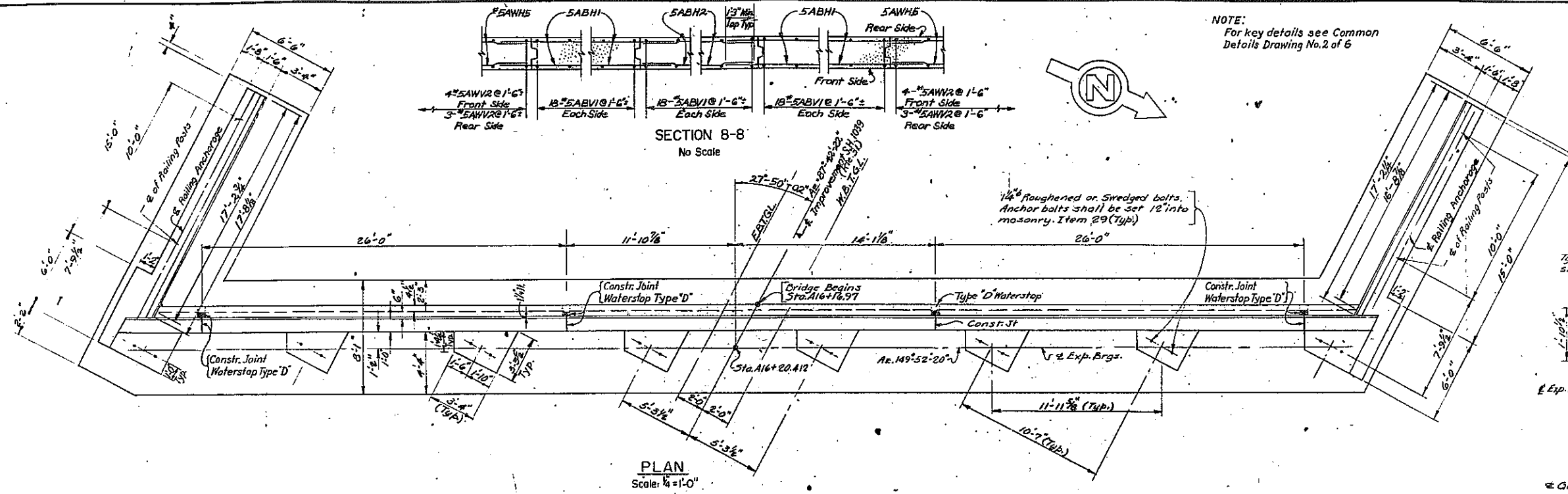
FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	NEW YORK		16281	257

EUCLED-NORTH SYRACUSE

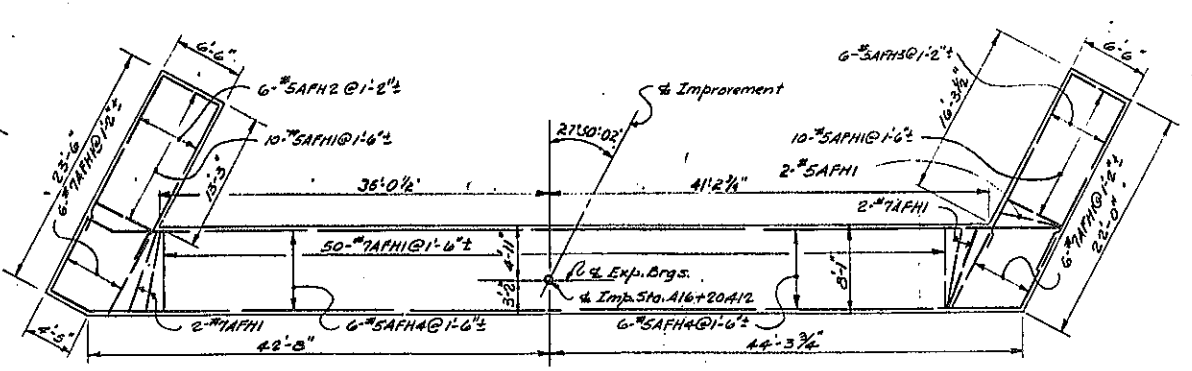
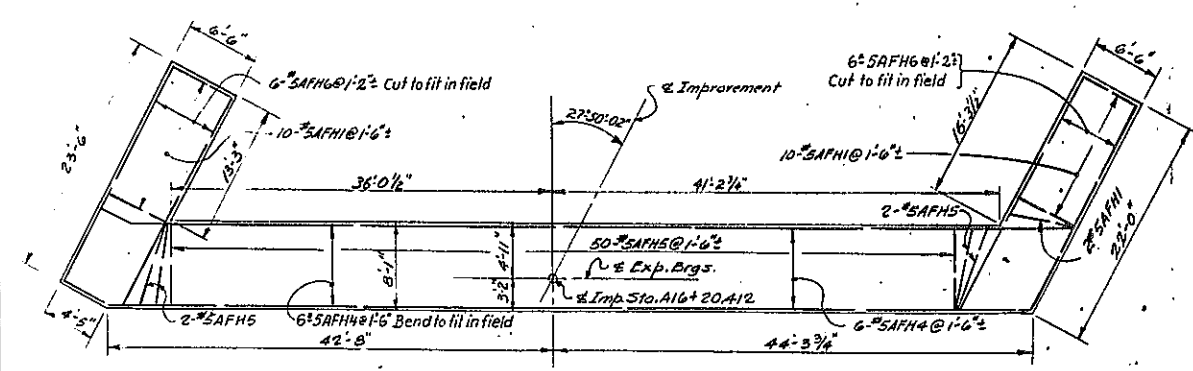
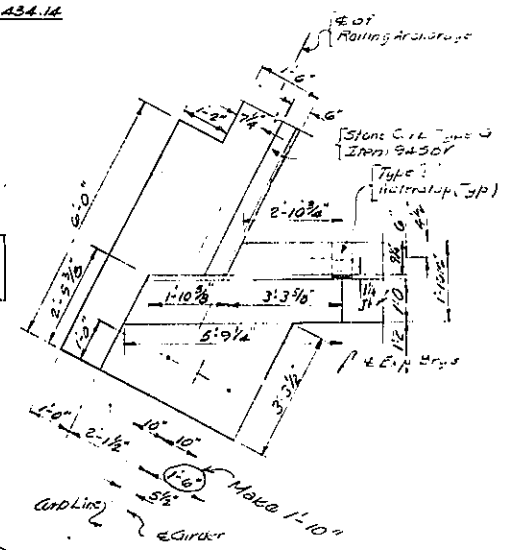
AS BUILT



NOTE:
For key details see Common
Details Drawing No.2 of 6



Note:
For design purposes the foundation pressure does
not exceed 2 1/2 tons per square foot for Abutment.
For Section 8-8, see Drawing No.7 of 14

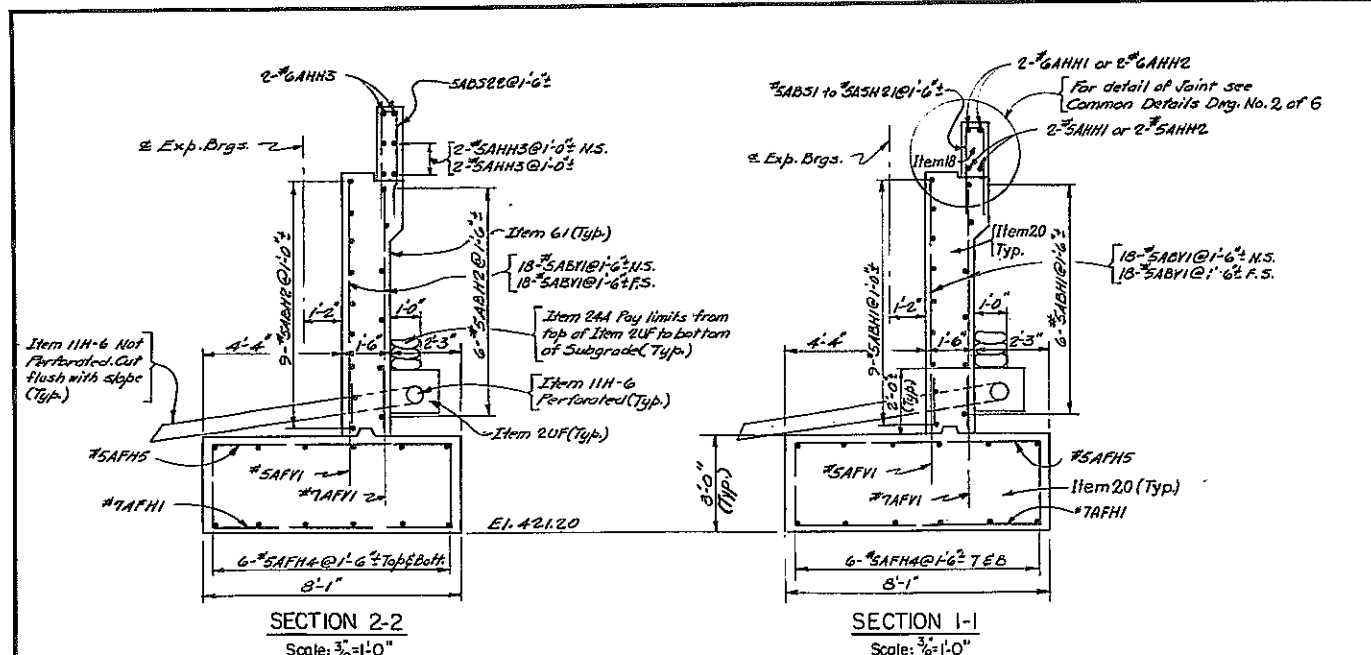


PROJECT ENGINEER: KAROLAK
IN CHARGE OF: L.H. TURNER
DESIGNED BY: R.W. PERRY
DESIGN CHECKED BY: A. COLT
DETAILED BY: J. L. ... M. STURM
DETAIL CHECKED BY: R.H. ... T. ...

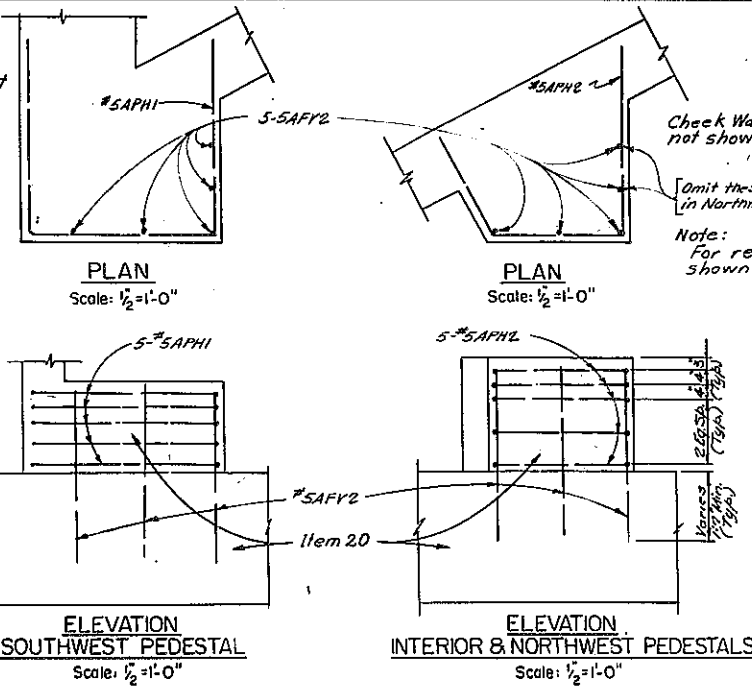
BRIDGE NO. 1
S.H. 1039 over NEW S.H.
EUCLED - NORTH SYRACUSE
SB 20 + 87.07 = A17+04.37, NB 21 + 21.39 = A17+77.87
WEST ABUTMENT (1 OF 2)
DRAWING NO. 4 OF 14

As built revision:
Altered Br. Pedestal Elevations

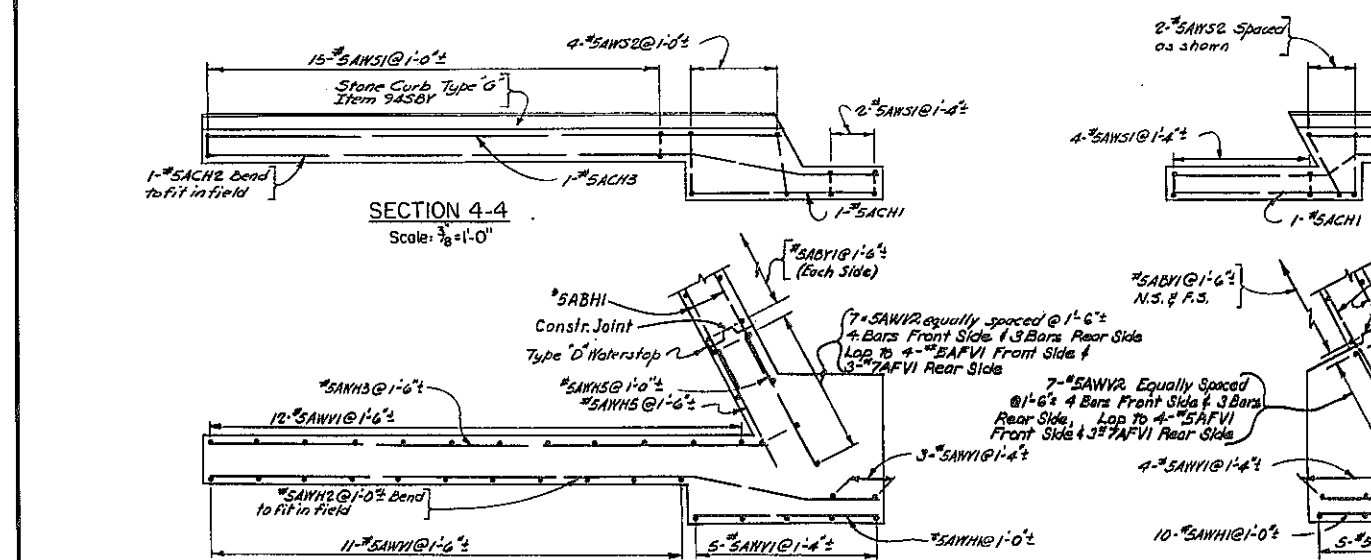
FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	NEW YORK		163	267
EUCIID-NORTH SYRACUSE				



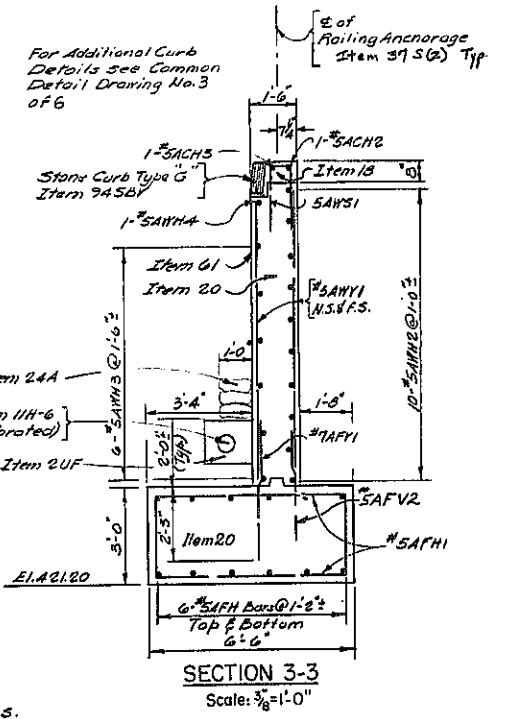
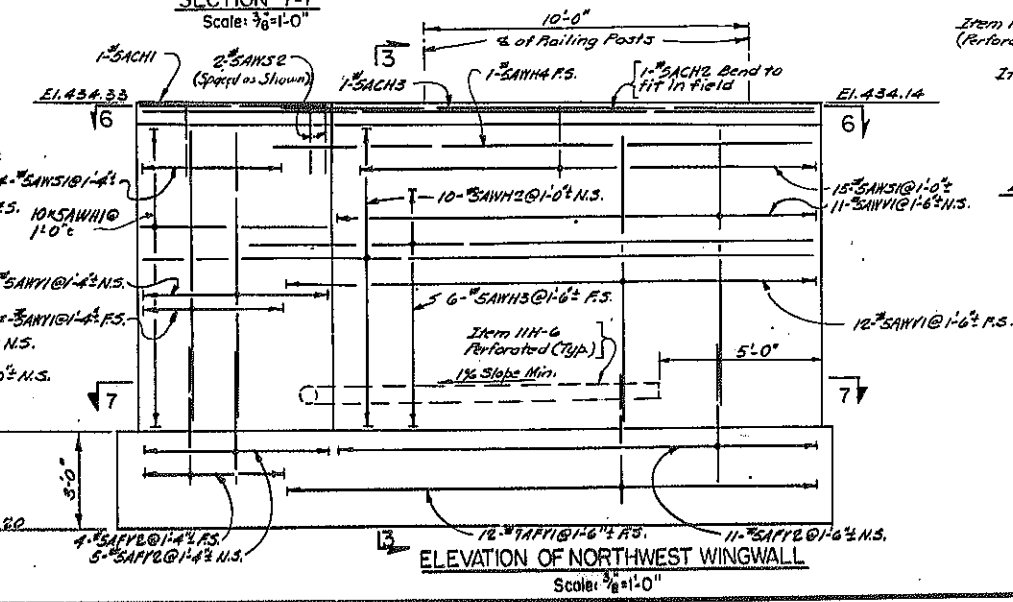
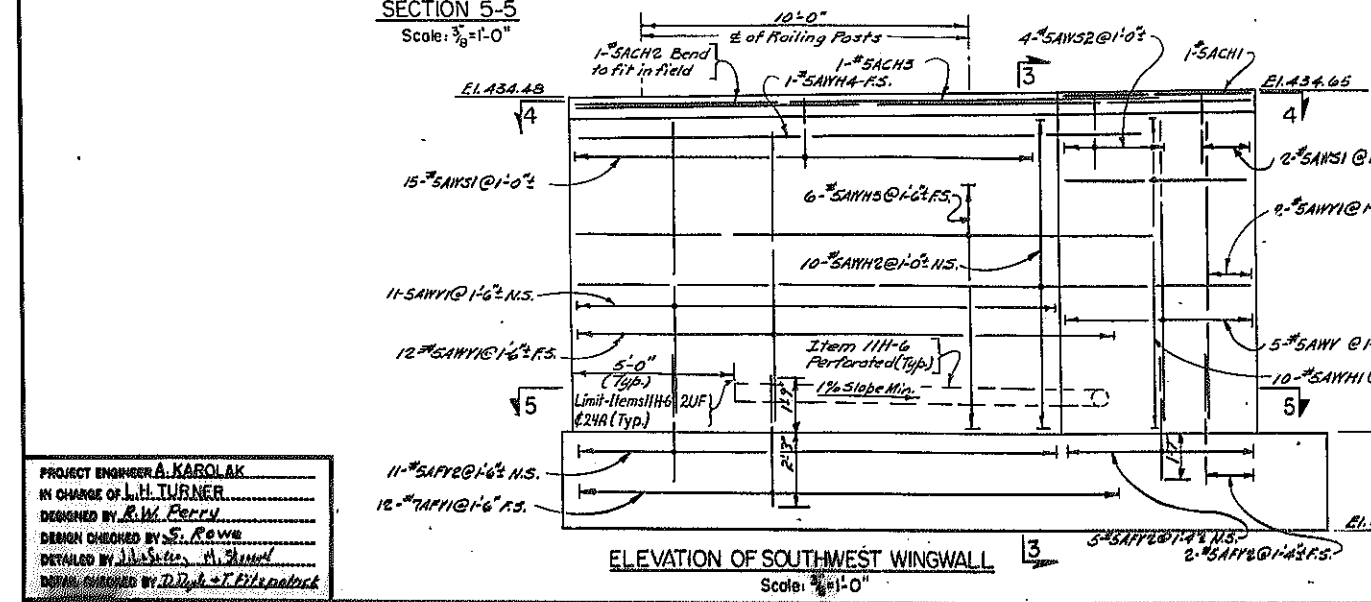
Note:
For reinforcement not shown see Section 5-5



Check Wall not shown.
Omit these two bars in Northwest Pedestal
Note:
For reinforcement not shown see Section 7-7



Note:
For Cover, Embedment and Splice see Common Detail Sheet 1 of 6
For Key Details see Common Detail Drawing 2 of 6



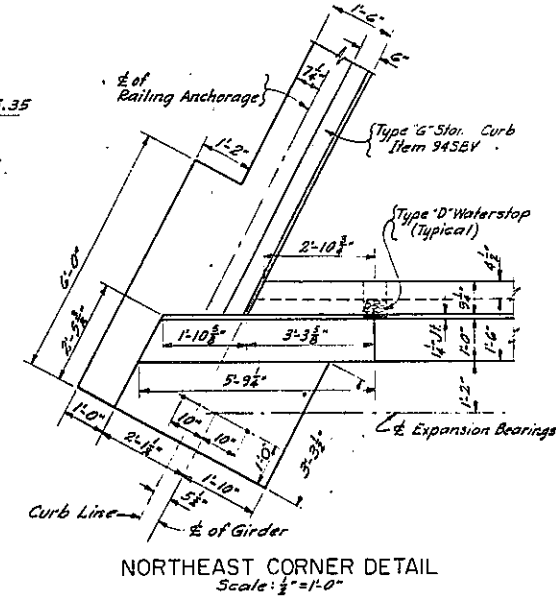
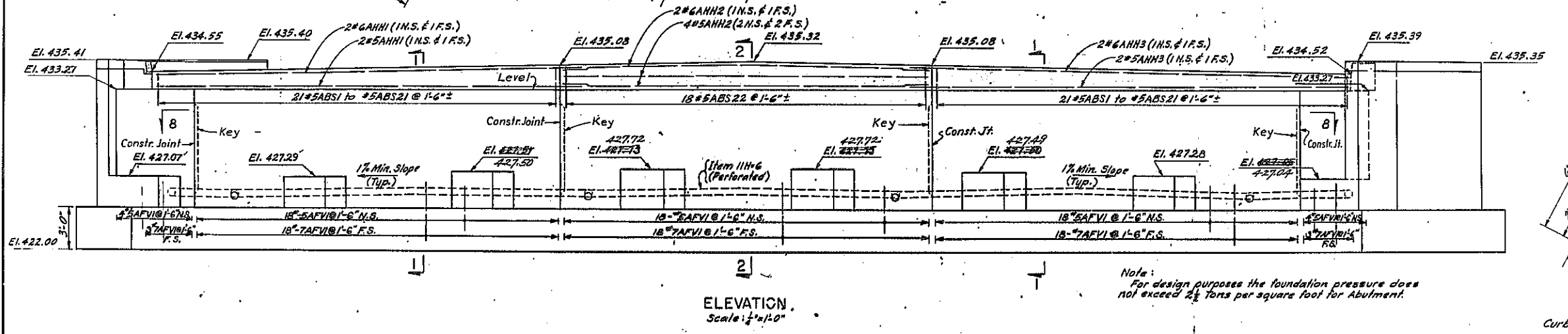
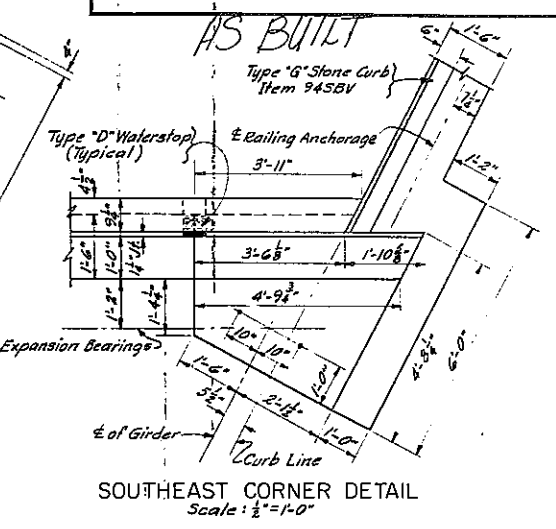
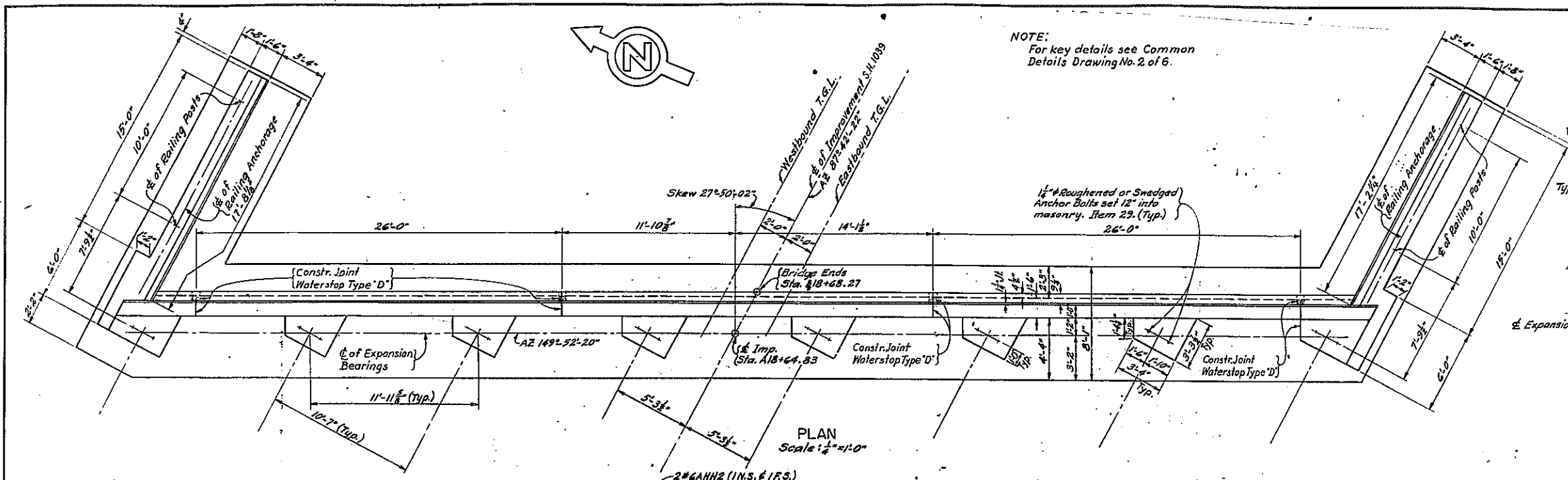
PROJECT ENGINEER A. KAROLAK
IN CHARGE OF L.H. TURNER
DESIGNED BY R.W. PERRY
DESIGN CHECKED BY S. ROWE
DETAILED BY J.L. SMITH, A. SHIND
INTEGR. CHECKED BY D.D. & T.P. PATRICK

BRIDGE NO. 1
S.H. 1039 OVER NEW S.H.
EUCIID - NORTH SYRACUSE
SB 20 + 87.07 + A17 + 04.37, NB 21 + 21.39 + A17 + 77.87
WEST ABUTMENT (2 OF 2)
DRAWING NO. 5 OF 14

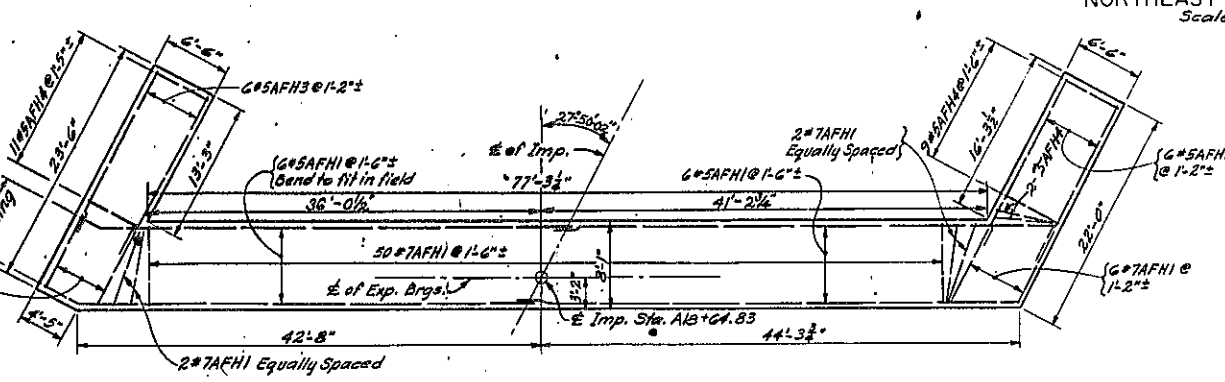
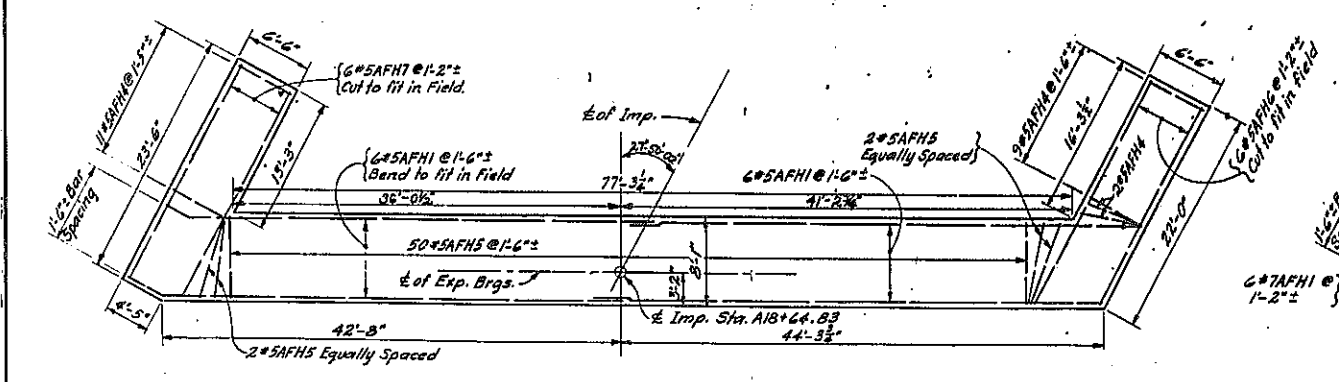
FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	NEW YORK		164B	257

EUCLED-NORTH STRABUS

NOTE:
For key details see Common
Details Drawing No. 2 of 6.



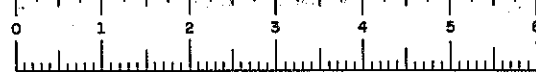
Note:
For design purposes the foundation pressure does
not exceed 2 1/2 Tons per square foot for Abutment.



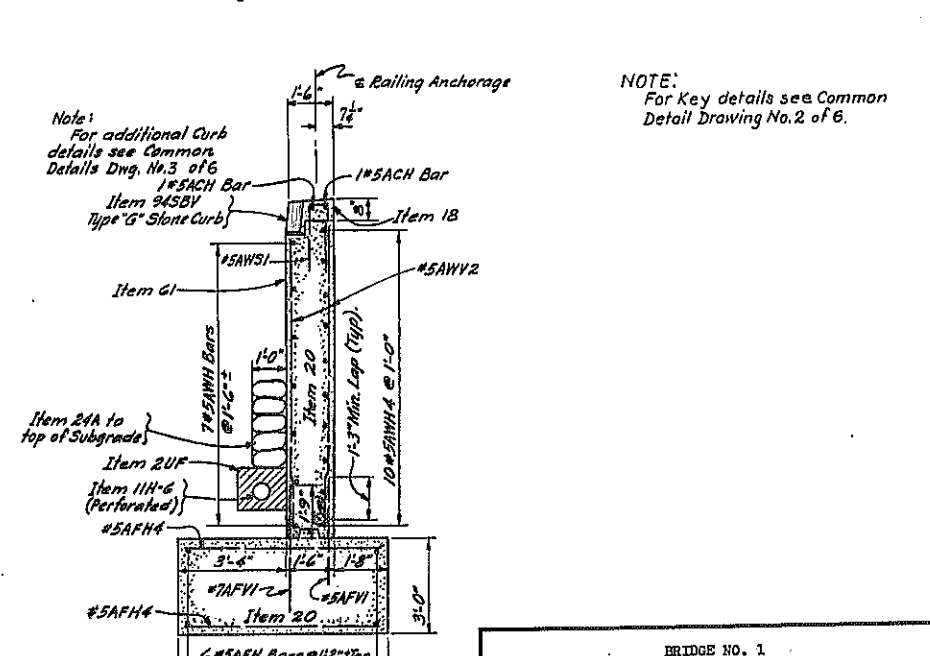
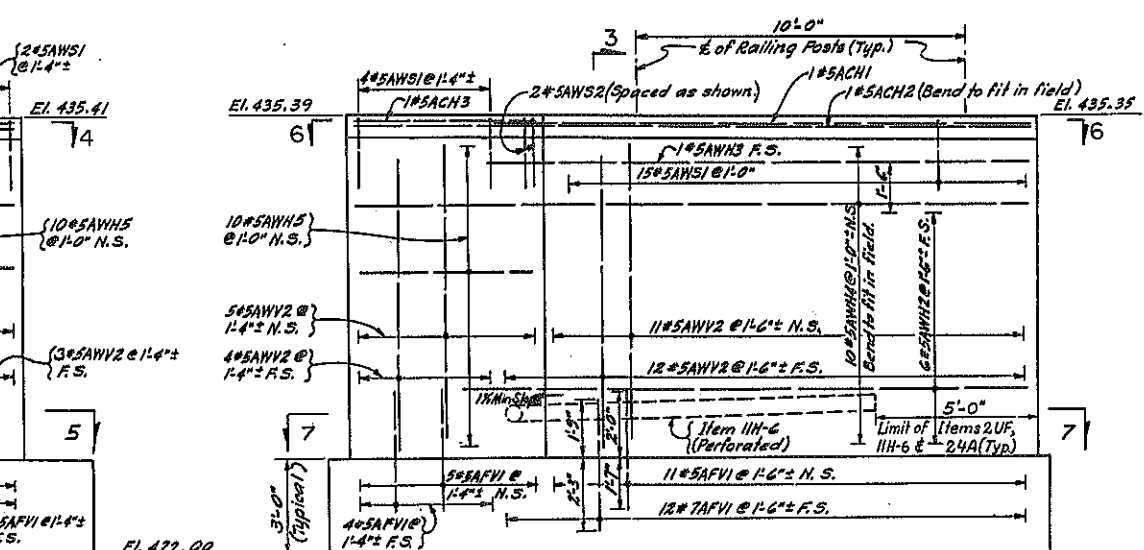
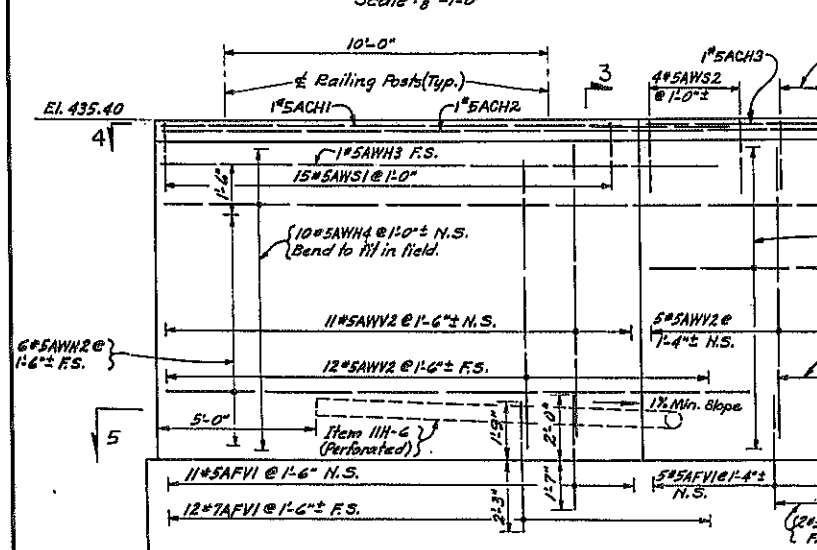
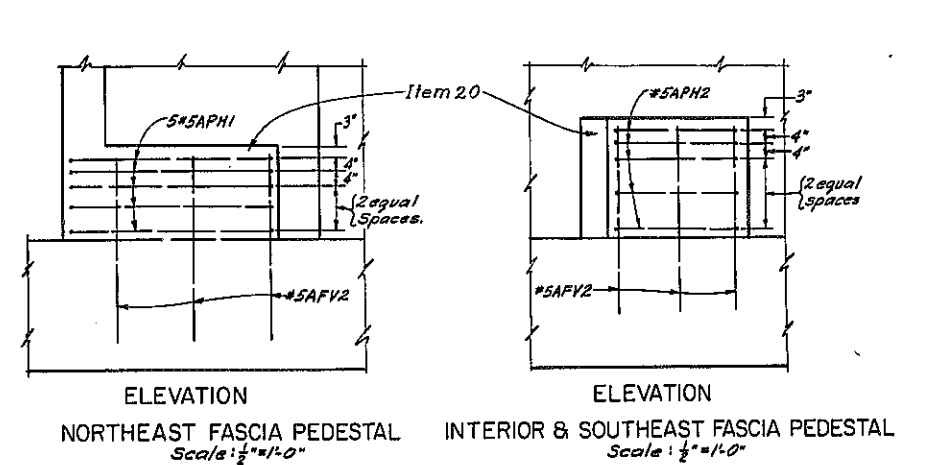
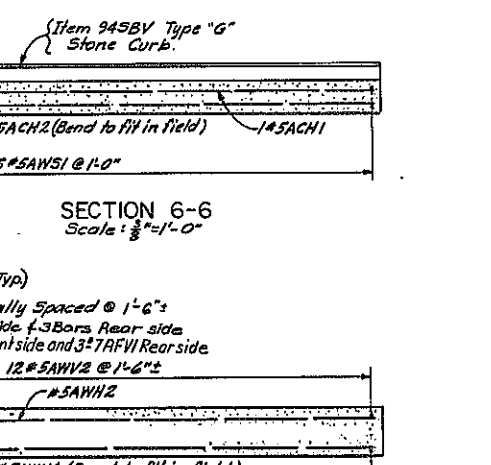
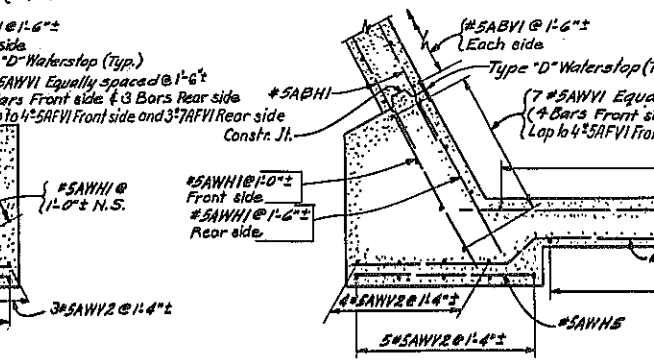
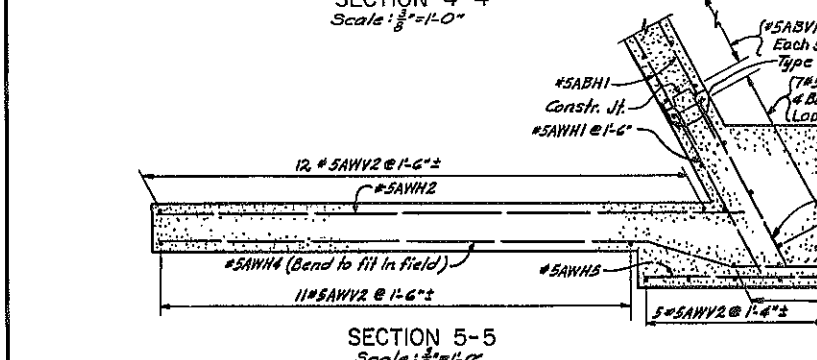
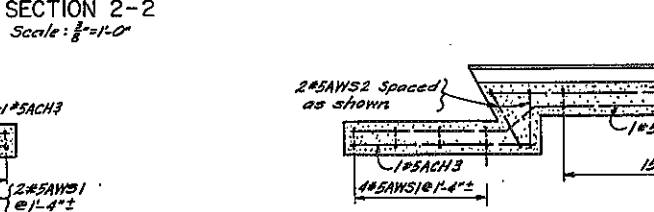
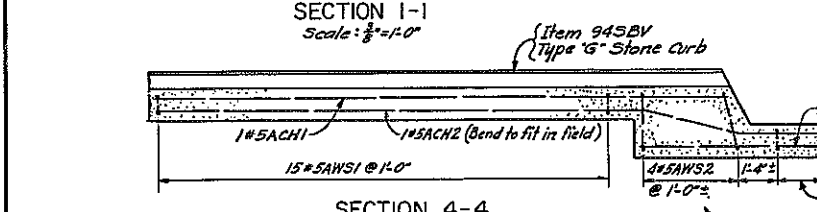
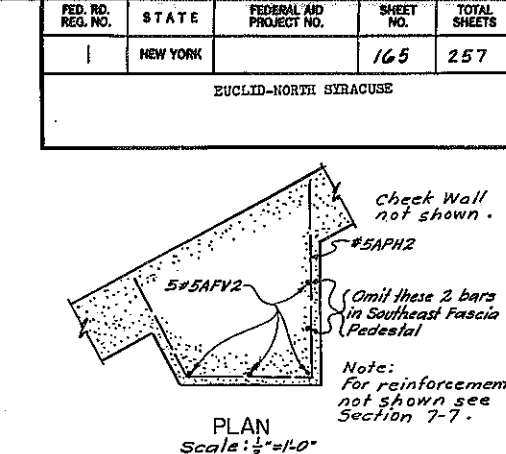
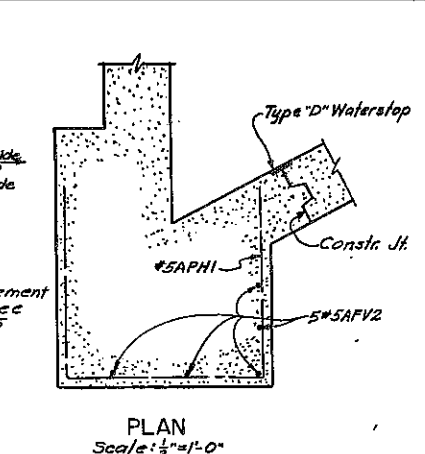
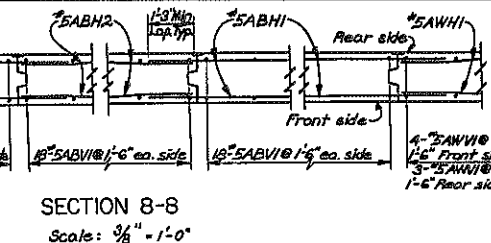
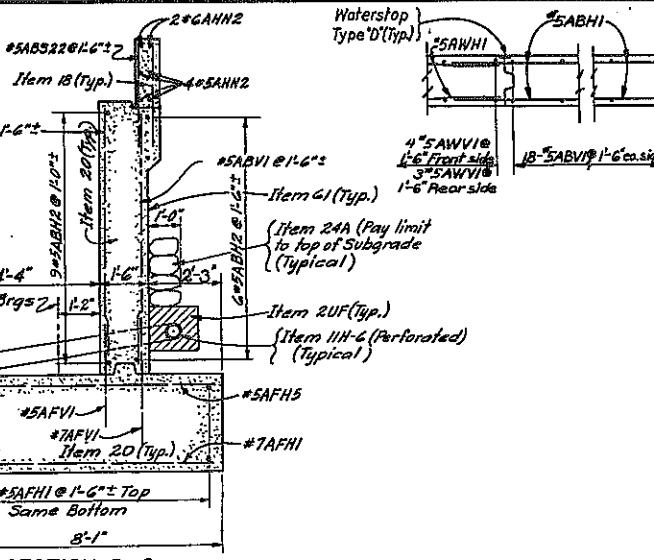
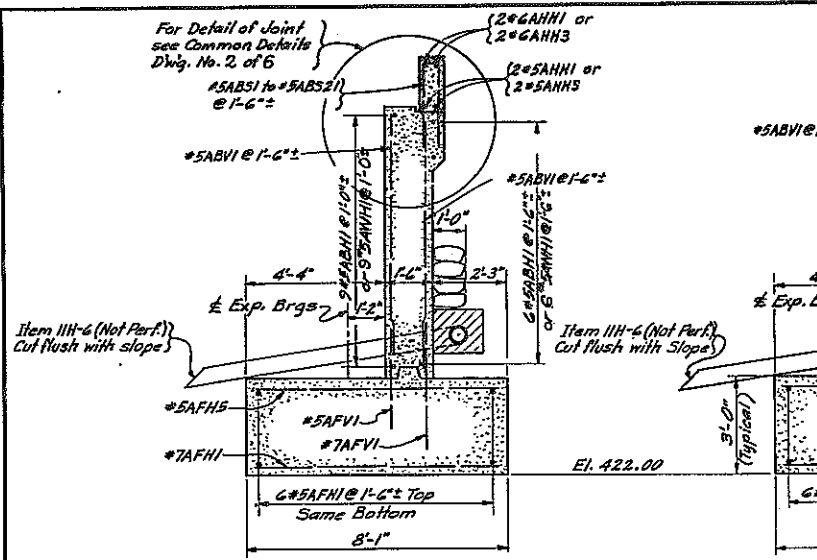
PROJECT ENGINEER A. KAROLAK
IN CHARGE OF L.H. TURNER
DESIGNED BY R.W. PERRY
DESIGN CHECKED BY S. ROWE
DETAILED BY L. Etkopalcisk & M. Lachut
DETAIL CHECKED BY A. KAROLAK

As build revision:
Altered Br. Pedestal Elevations

BRIDGE NO. 1
S.H. 1039 over NEW S.H.
EUCLED - NORTH STRABUS
SB 20+ 87.07+ A17+04.37, NB 21+21.39+ A17+77.67
EAST ABUTMENT (1 OF 2)
DRAWING NO. 6 OF 14



FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		165	257
EUCLID-NORTH SYRACUSE				



PROJECT ENGINEER: A. KAROLAK
IN CHARGE OF: L. L. TURNER
DESIGNED BY: R. M. PERRY
DESIGN CHECKED BY: S. ROWE
DETAILS BY: J. J. FIKS, KAROLAK & LOWE
DETAIL CHECKED BY: O. KAROLAK & S. ROWE

ELEVATION NORTHEAST WINGWALL
Scale: 1/8" = 1'-0"

ELEVATION SOUTHEAST WINGWALL
Scale: 1/8" = 1'-0"

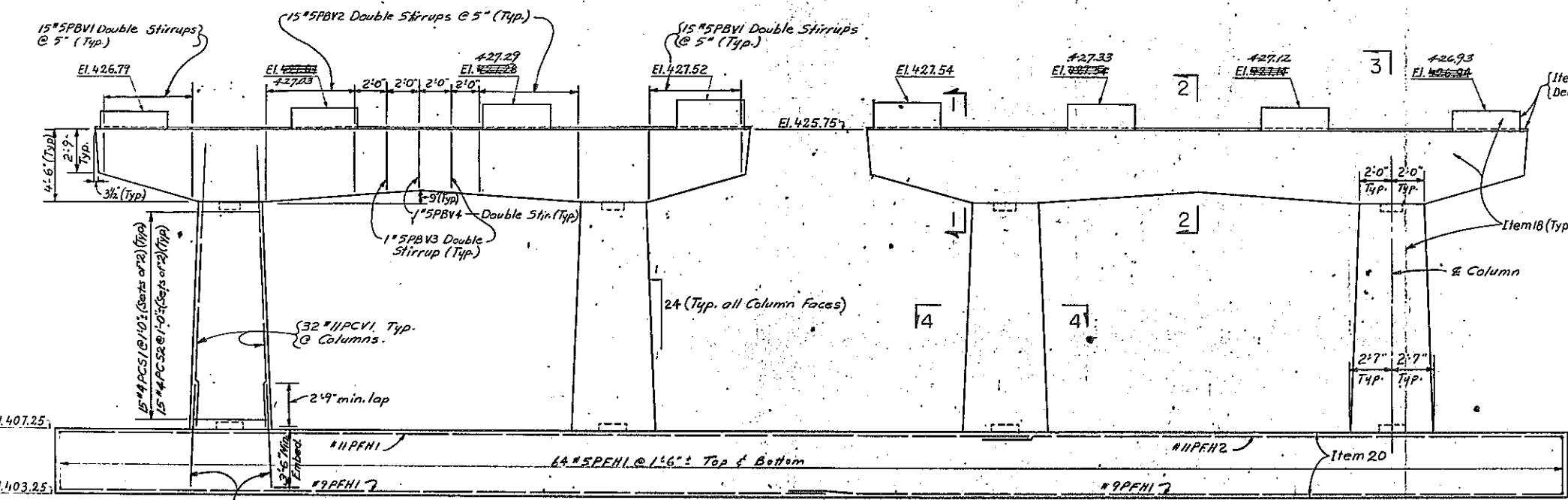
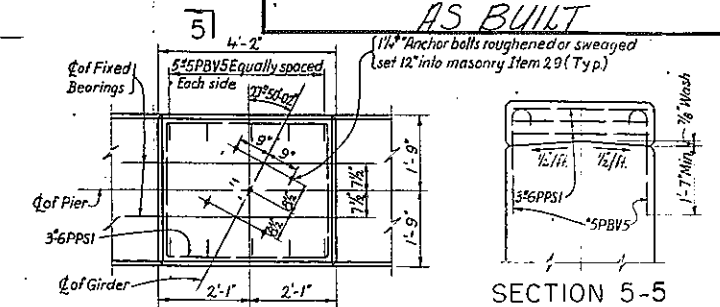
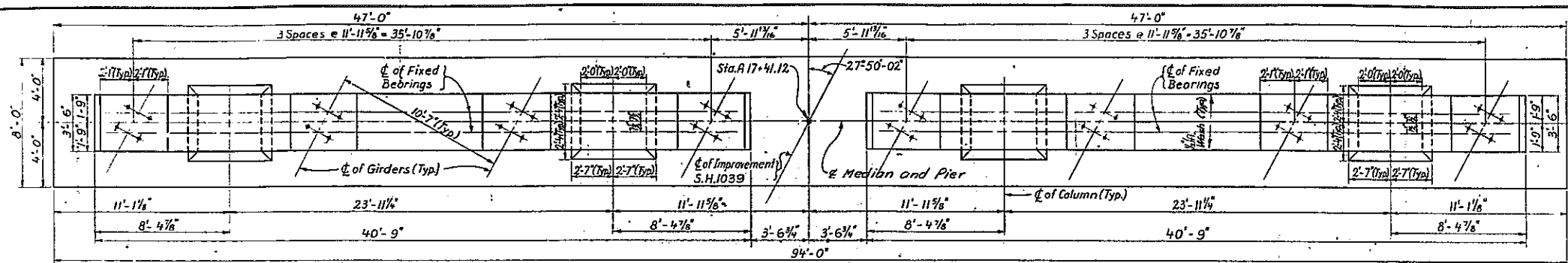
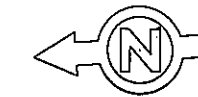
SECTION 3-3
Scale: 1/8" = 1'-0"

BRIDGE NO. 1
S.H. 1039 over NEW S.H.
EUCLID - NORTH SYRACUSE
SB 20+ 87.07+ A17+ 04.37, NB 21+ 21.39+ A17+ 77.87
EAST ABUTMENT (2 OF 2)
DRAWING NO. 7 OF 14

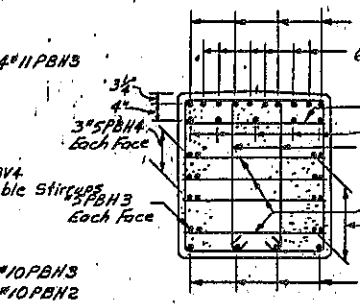
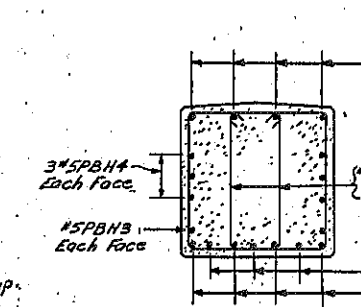
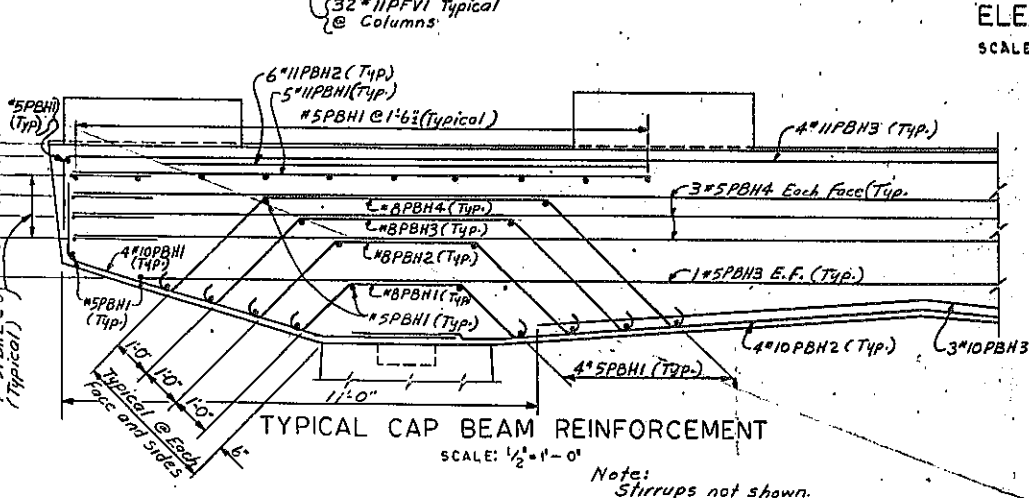
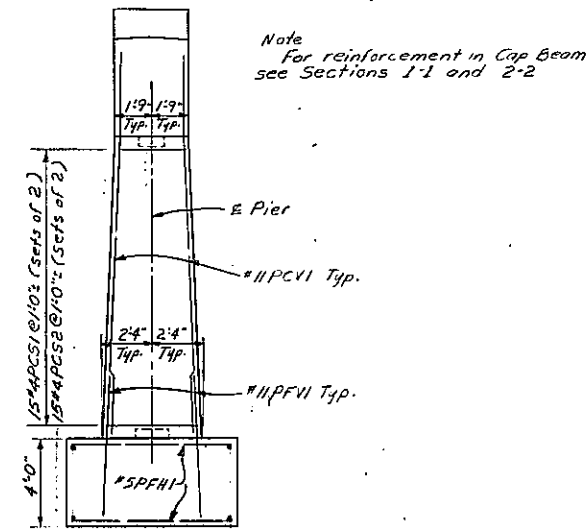
FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	NEW YORK		166B1	257

EUCLID-NORTH SYRACUSE

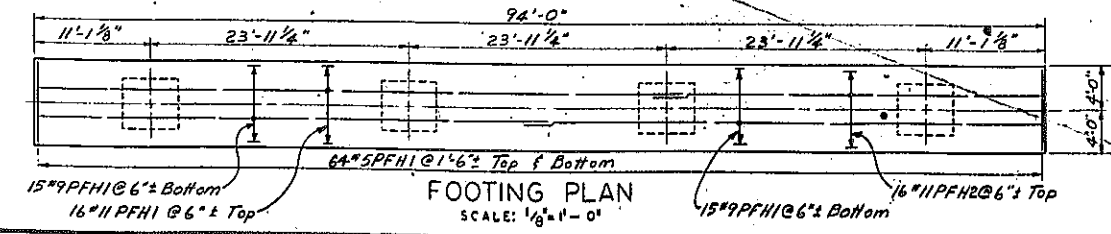
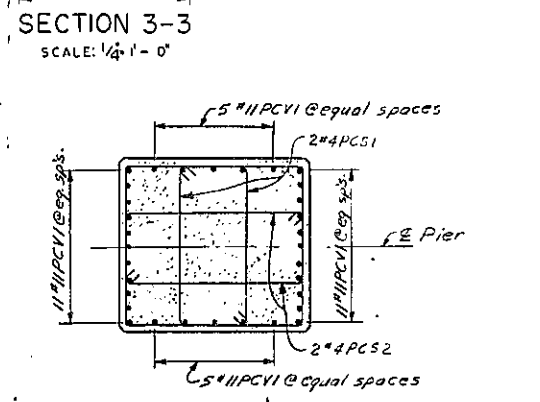
AS BUILT



Note
For reinforcement in Cap Beam
see Sections 1-1 and 2-2



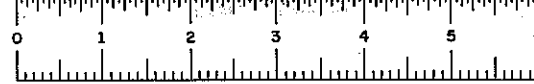
Notes:
All footing reinforcement - 3" min. cover
All columns, cap beams and pedestals
2" cover, unless otherwise indicated.
All edges of pedestals and cap beams
to be chamfered 1".
For design purposes the foundation pressure does
not exceed 3 1/2 tons per sq. ft.



PROJECT ENGINEER A. KAROLAK
IN CHARGE OF L.H. TURNER
DESIGNED BY R.W. PERRY
DESIGN CHECKED BY A. COLE
DETAILED BY O. KAZIEMSKI & J. S. SHERMAN
DETAIL CHECKED BY J. S. SHERMAN

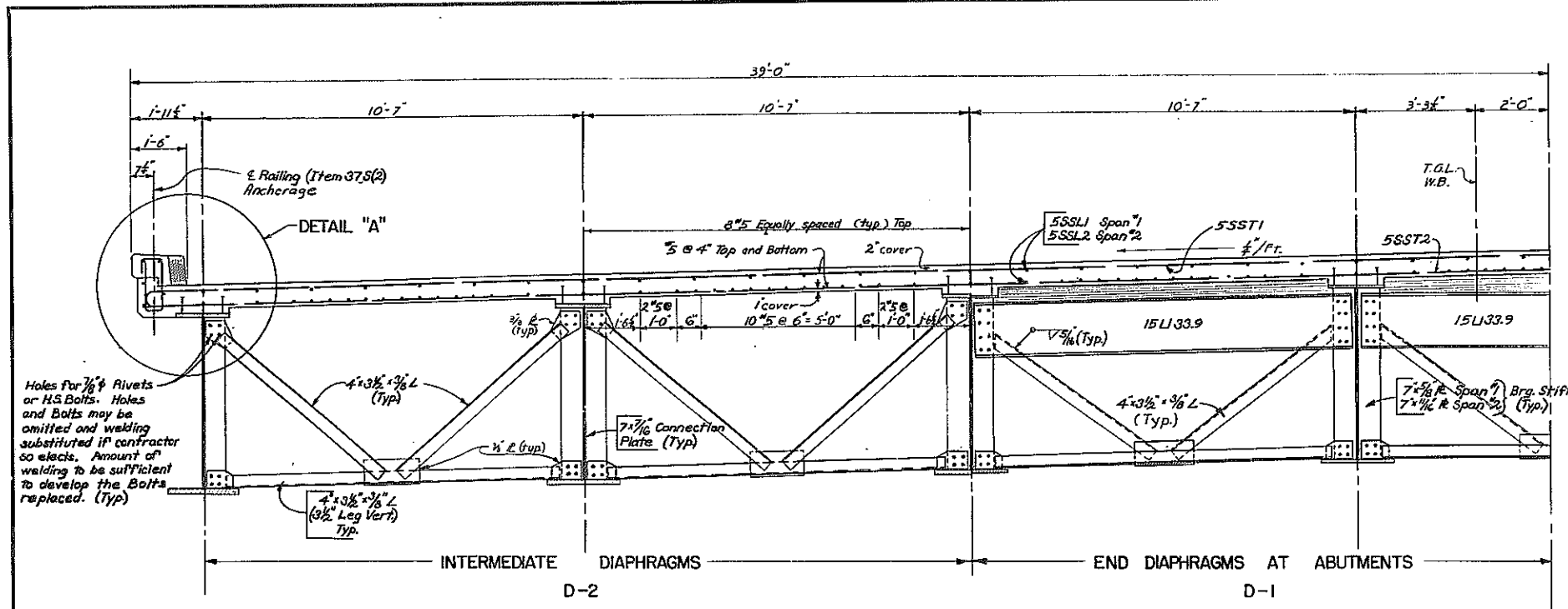
BRIDGE NO. 1
S.H. 1039 over NEW S.H.
EUCLID - NORTH SYRACUSE
SB 20 + 87.07: A17+04.37, HB 21, 21.39: A17+77.87
PIER
DRAWING NO. B OF 14

As built revision:
Altered Br. Pedestal Elevations

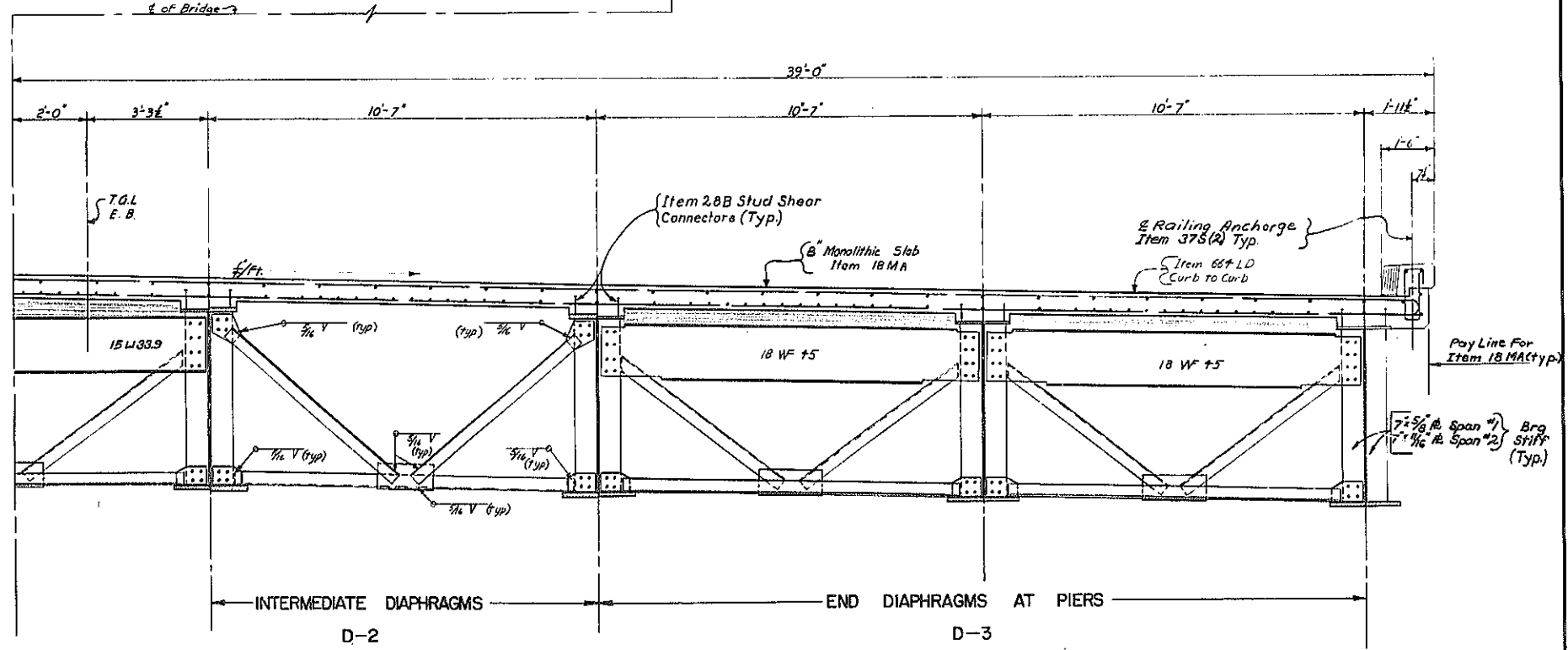
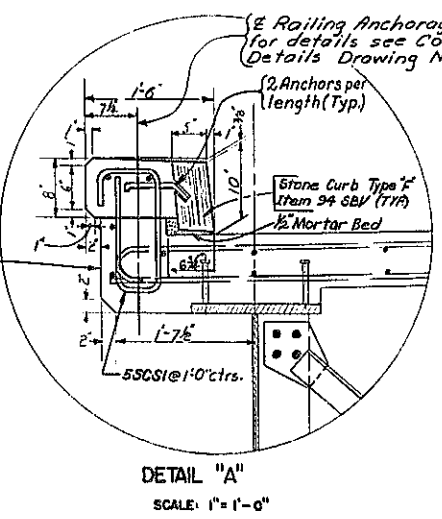


SH-69-5 RC-69-102

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	NEW YORK		167	257
EUCLID-NORTH SYRACUSE				



Holes for 7/8" Rivets or H.S. Bolts. Holes and Bolts may be omitted and welding substituted if contractor so elects. Amount of welding to be sufficient to develop the Bolts replaced. (Typ.)



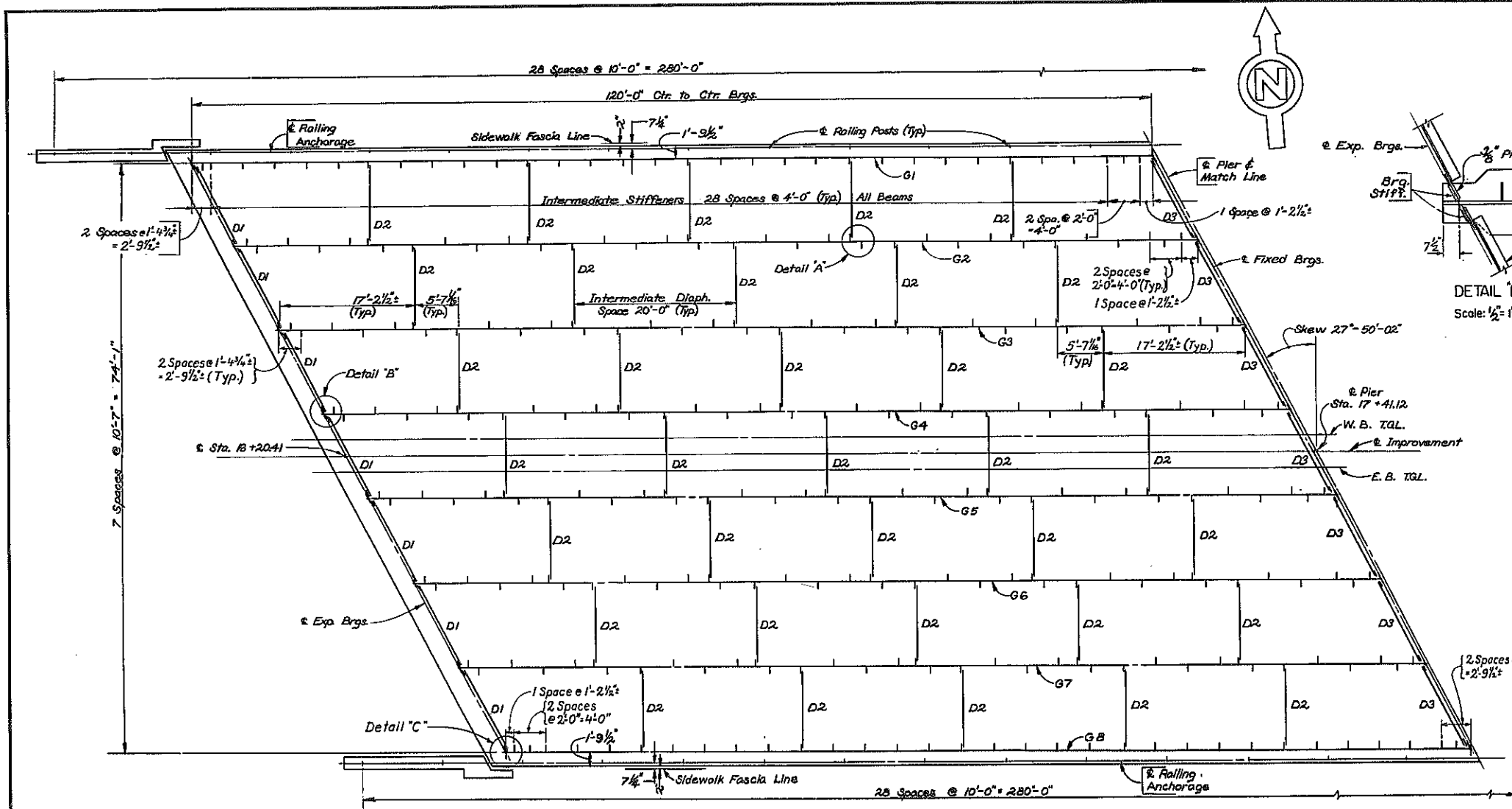
PROJECT ENGINEER A. KAROLAK
 IN CHARGE OF L. H. TURNER
 DESIGNED BY S. ROWE
 DESIGN CHECKED BY R. W. PENNY
 DETAIL BY R. OSTER
 DETAIL CHECKED BY S. ROWE

TRANSVERSE SECTION SPAN I
 SPAN 2 SIMILAR
 SCALE: 1/2" = 1'-0"

BRIDGE NO. 1
 S.H. 1039 over NEW S.H.
 EUCLID - NORTH SYRACUSE
 SB 20+87.07+ A17+04.37, NB 21+21.39+ A17+77.87
 SUPERSTRUCTURE (1 OF 4)
 DRAWING NO. 9 OF 14

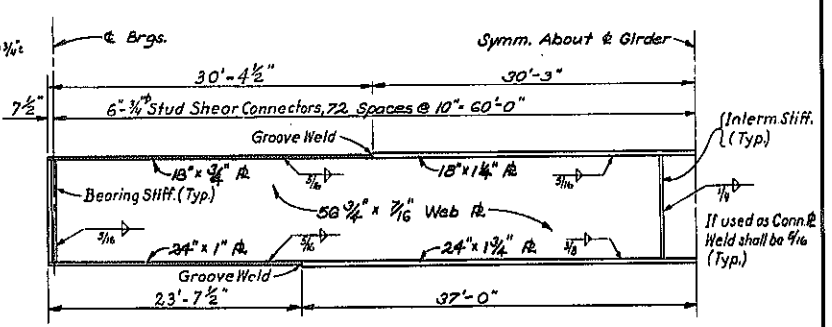
FED. RD. DIST. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	NEW YORK		168	257

EUCLID-NORTH SYRACUSE

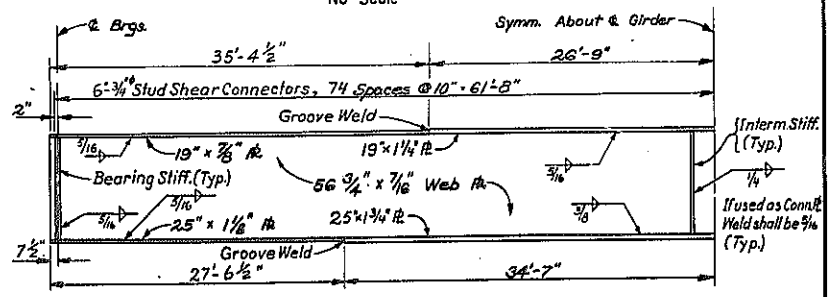


STEEL FRAMING PLAN - SPAN NO. 1
Scale: 1/8" = 1'-0"

INTERMEDIATE STIFFENERS	SPAN 1	6" x 3/8"
	SPAN 2	6 1/2" x 7/16"
When Used As Conn. P's Use 7" x 7/16"		
BEARING STIFF.	SPAN 1	7" x 5/8"
	SPAN 2	7" x 1/2"



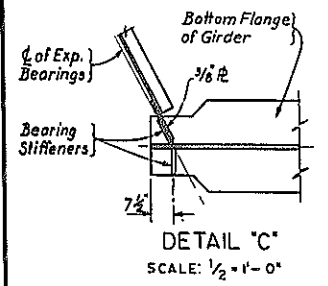
G-1 thru G-8
No Scale



G-9 thru G-16
No Scale

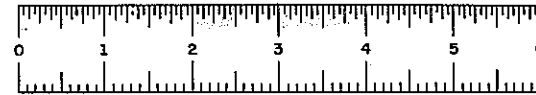
GIRDER	CAMBER				"N" DIM.	BOTTOM OF SLAB ELEVATION (TENTH. POINTS)												
	STEEL	CONC.	V.C.	TOTAL		W.Brgs	O.1	O.2	O.3	O.4	O.5	O.6	O.7	O.8	O.9	E.Brgs		
SPAN 1	1				1.68	432.80	432.90	433.00	433.10	433.18	433.27	433.34	433.42	433.48	433.55	433.60		
	2				1.46	433.07	433.17	433.27	433.36	433.44	433.52	433.60	433.67	433.73	433.79	433.85		
	3				1.24	433.34	433.44	433.53	433.62	433.70	433.78	433.85	433.92	433.98	434.04	434.09		
	4	7/8"	3 1/2"	3/4"	5 1/8"	1.02	433.60	433.70	433.79	433.88	433.96	434.03	434.10	434.17	434.23	434.28	434.33	
	5				1.02	433.65	433.74	433.83	433.92	433.99	434.07	434.13	434.20	434.26	434.31	434.36		
	6				1.24	433.47	433.56	433.65	433.73	433.81	433.88	433.94	434.00	434.06	434.11	434.16		
	7				1.46	433.30	433.39	433.47	433.55	433.62	433.69	433.75	433.81	433.86	433.91	433.95		
	8				1.68	433.12	433.21	433.29	433.36	433.43	433.50	433.56	433.62	433.67	433.71	433.75		
SPAN 2	9				1.68	433.61	433.66	433.71	433.75	433.79	433.82	433.84	433.86	433.88	433.89	433.89		
	10				1.46	433.85	433.90	433.95	433.99	434.02	434.05	434.07	434.09	434.10	434.11	434.11		
	11				1.24	434.10	434.14	434.19	434.22	434.25	434.28	434.30	434.32	434.33	434.33	434.33		
	12	1"	3 5/8"	7/8"	5 1/2"	1.02	434.34	434.38	434.42	434.46	434.49	434.51	434.53	434.54	434.55	434.55		
	13				1.02	434.36	434.40	434.44	434.47	434.50	434.52	434.53	434.54	434.55	434.55	434.54		
	14				1.24	434.16	434.20	434.24	434.26	434.29	434.31	434.32	434.33	434.33	434.33	434.32		
	15				1.46	433.98	434.00	434.03	434.06	434.08	434.09	434.10	434.11	434.11	434.10	434.09		
	16				1.68	433.76	433.79	433.82	433.85	433.87	433.88	433.89	433.89	433.89	433.88	433.87		

Notes:
The web plates and flange plates for the girders shall be type A41 Steel. The bearing stiffeners, intermediate stiffeners and connection plates shall be type A-36.
For "N" Dimension see Common Details Drawing No. 3 of 6.
For Stud Shear Connector Detail see Common Details Drawing No. 1 of 6.
For Coping Details see Common Details Drawing No. 1 of 6.



PROJECT ENGINEER: A. KAROLAK
IN CHARGE OF: L. H. TURNER
DESIGNED BY: R. W. PARRY
DESIGN CHECKED BY: L. H. TURNER
DETAILED BY: J. J. JONES
DETAILS CHECKED BY: J. S. FLETCHER

BRIDGE NO. 1
S.E. 1039 over NEW S.H.
EUCLID - NORTH SYRACUSE
SB 20+ 87.07; A17+ 04.37, NB 21+ 21.39; A17+ 77.87
SUPERSTRUCTURE (2 OF 4)
DRAWING NO. 10 OF 14



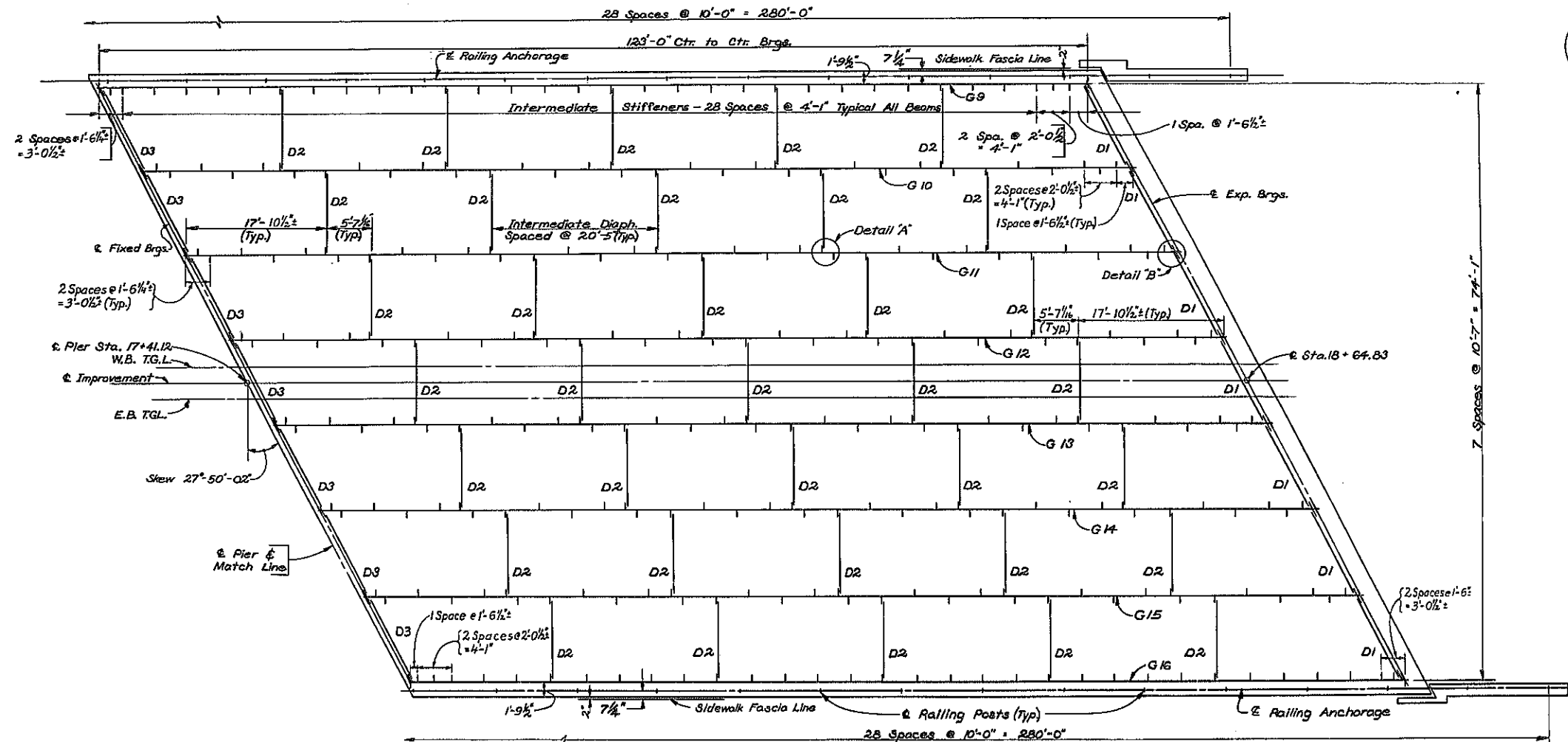
SH 69-5 RC 69-102

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	NEW YORK		169	257

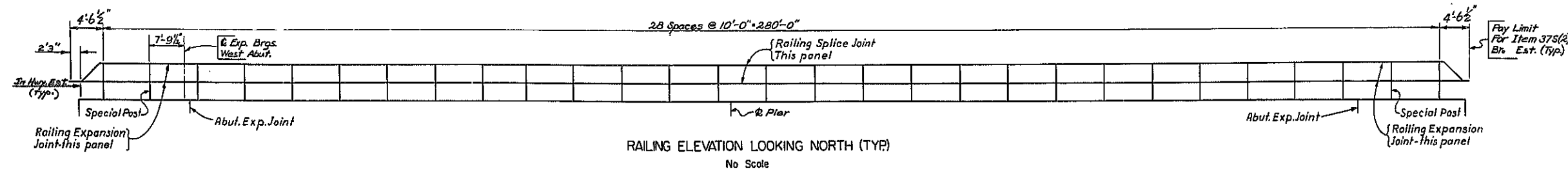
EUCLID-NORTH SYRACUSE



For Details A and B see Dwg No. 10 of 14



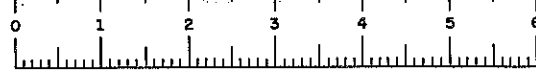
STEEL FRAMING PLAN - SPAN NO. 2
Scale: 1/8" = 1'-0"



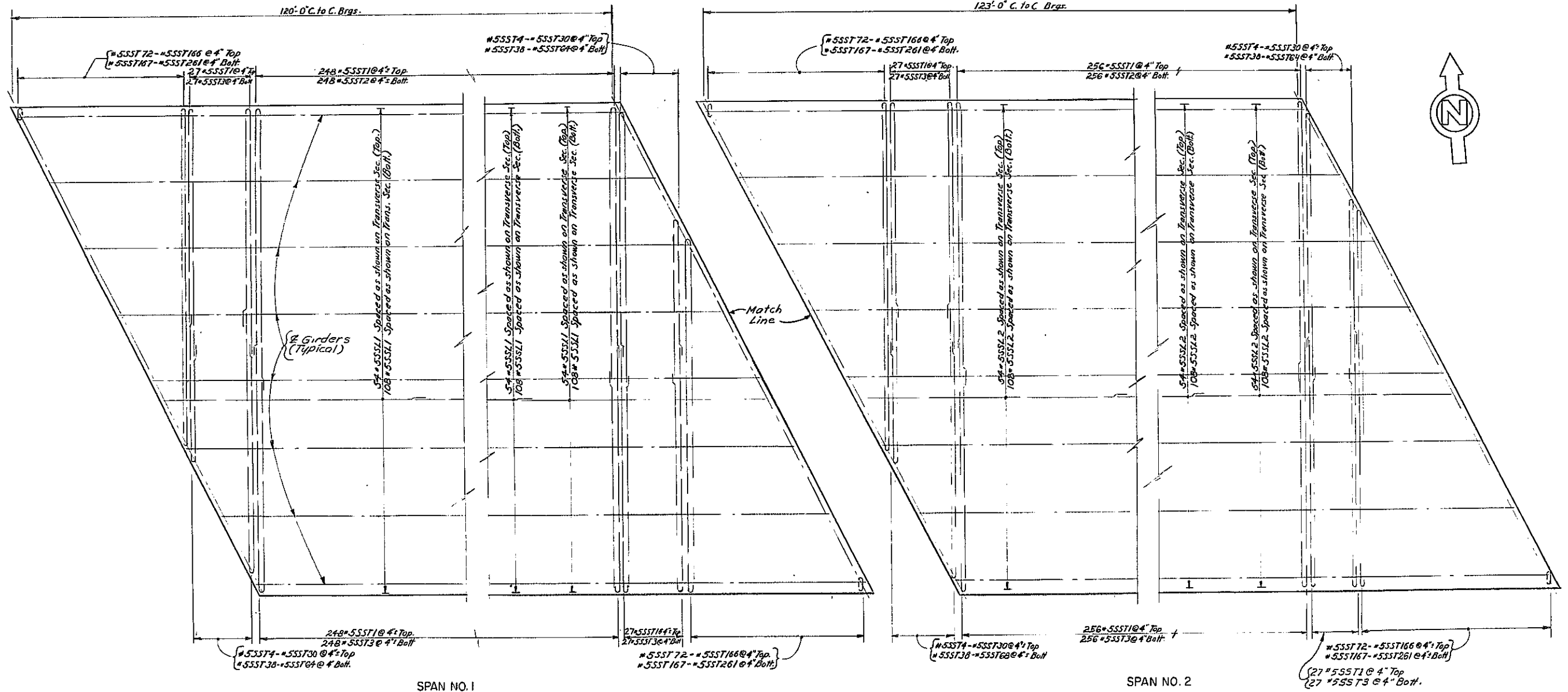
RAILING ELEVATION LOOKING NORTH (TYE)
No Scale

PROJECT ENGINEER A. KAROLAK
 IN CHARGE OF L. H. TURNER
 DESIGNED BY R. W. PERRY
 DESIGN CHECKED BY L. H. TURNER
 DETAILED BY J. S. FITZPATRICK
 CHECKED BY J. S. FITZPATRICK

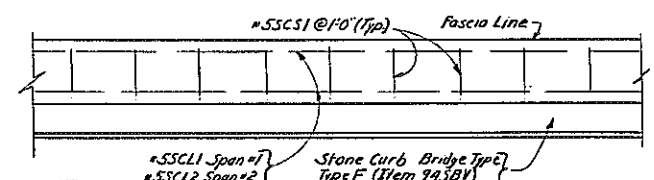
BRIDGE NO. 1
 S.H. 1039 over NEW S.H.
 EUCLID - NORTH SYRACUSE
 SB 20+87.07+ A17+04.37, NB 21+21.39+ A17+77.87
 SUPERSTRUCTURE (3 OF 4)
 DRAWING NO. 11 OF 14



FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	NEW YORK		170	257
EUCLID-NORTH SYRACUSE				



SPAN NO. 1
SPAN NO. 2
SUPERSTRUCTURE SLAB REINFORCEMENT
Scale: 1/8" = 1'-0"



SAFETYWALK REINFORCEMENT DETAIL
No Scale

PROJECT ENGINEER A. KAROLAK
IN CHARGE OF L. H. TURNER
DESIGNED BY S. ROWE
DESIGN CHECKED BY R. W. PERRY
DETAILED BY H. B. JELLEN
REVIEW CHECKED BY J. ROWE

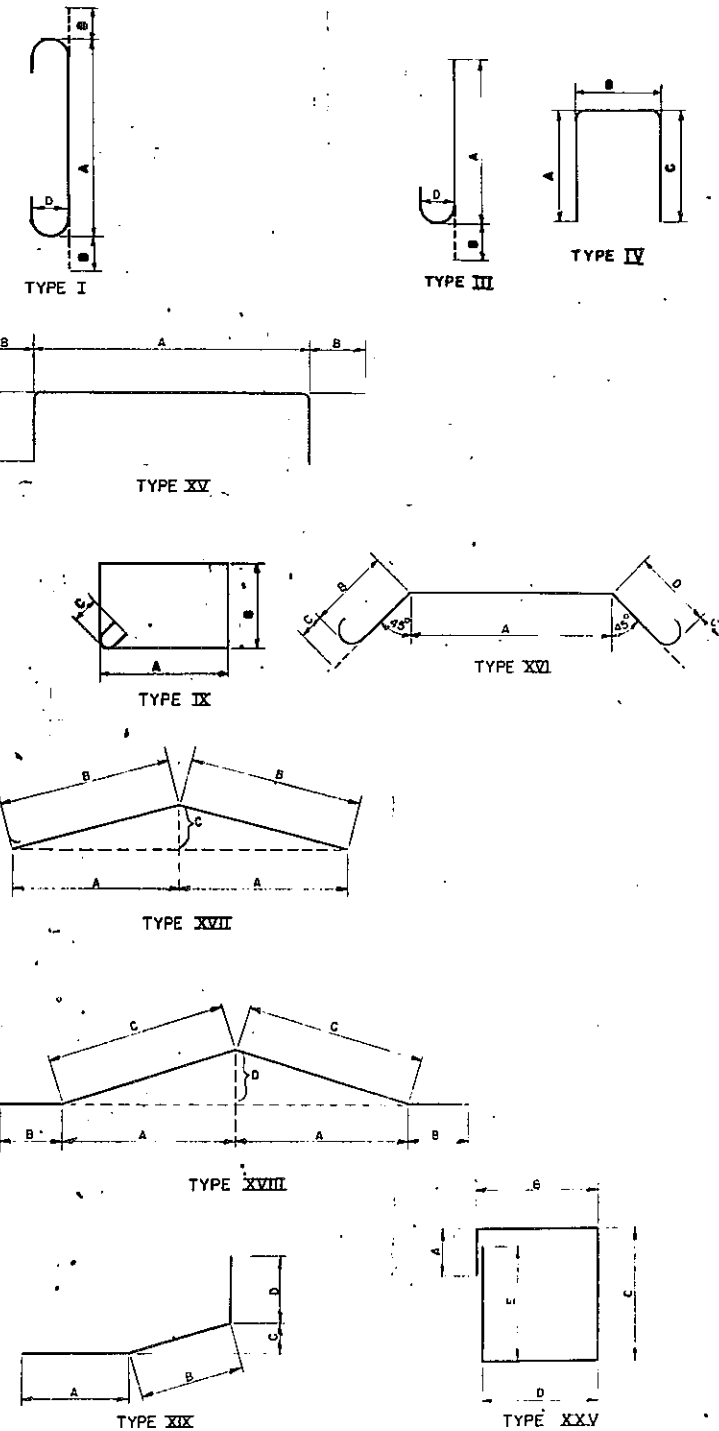
SR
RWP

BRIDGE NO. 1
S.H. 1039 over NEW S.H.
EUCLID - NORTH SYRACUSE
SB 20+87.07+ A17+04.37, NB 21+21.39+ A17+77.67
SUPERSTRUCTURE (4 OF 4)
DRAWING NO. 12 OF 14

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		172B1	257

AS BUILT

BAR TYPES



MARK	SIZE	NO.	LENGTH	TYPE	A	B	C	D	E	F	G	LOCATION
PIER												
11-1	11	23	47'-0"	Str								Horiz. Footing - Bottom
11-2	11	12	57'-0"	Str								Horiz. Footing - Top
11-3	11	10	37'-0"	Str								Horiz. Footing - Top
11-4	11	103	7'-0"	Str								Horiz. Footing - Top & Bottom
11-5	11	123	6'-0"	Str								Vert. Dangle in Footing
11-6	11	123	17'-0"	Str								Vert. in Column
4P-51	4	120	to	IX	10	10	4 1/2"					(3 Groups of 15) Horiz. Ties in Columns
4P-52	4	120	to	IX	10	10	4 1/2"					(3 Groups of 15) Horiz. Ties in Columns
5P-1	5	8	5'-3"	XVI	2'-8"	1'-10"	1'-1"	1'-7"				Horiz. Cap Beam
5P-2	5	8	11'-2"	XVI	3'-6"	3'-0"	1'-1"	2'-6"				Horiz. Cap Beam
5P-3	5	8	13'-10"	XVI	5'-4"	3'-7"	1'-1"	2'-9"				Horiz. Cap Beam
5P-4	5	8	15'-6"	XVI	7'-3"	4'-0"	1'-1"	3'-1"				Horiz. Cap Beam
5P-5	5	116	5'-2"	Str								Horiz. Cap Beam
5P-6	5	16	2'-1"	IX	2'-1"	3'-2"	2'-1"					Horiz. Stirrups Cap Beam
10P-1	10	1	11'-2"	XIX	3'-6"	6'-2"	1'-9"	1'-0"				Horiz. Cap Beam (Bottom)
10P-2	10	8	26'-6"	XVIII	11'-5"	5'-3"	10'-0"	9"				Horiz. Cap Beam (Bottom)
10P-3	10	9	13'-2"	XVII	9'-1"	9'-1"	9"					Horiz. Cap Beam (Bottom)
5P-7	5	4	33'-10"	Str								Horiz. Cap Beam
5P-8	5	12	39'-10"	Str								Horiz. Cap Beam
11P-1	11	20	13'-9"	Str								Horiz. Cap Beam
11P-2	11	24	11'-3"	Str								Horiz. Cap Beam
11P-3	11	8	39'-10"	XVI	11'-9"	2'-1 1/2"						Horiz. Cap Beam
5P-9	5	120	to	IX	10	2'-2"	5 3/4"					(3 Groups of 15) Vert. Stirrups in Cap Beam
5P-10	5	123	to	IX	10	2'-2"	5 3/4"					(3 Groups of 15) Vert. Stirrups Cap Beam
5P-11	5	9	3'-8"	IX	3'-8"	2'-2"	5 3/4"					Vert. Stirrups Cap Beam
5P-12	5	4	3'-9"	IX	3'-9"	2'-2"	5 3/4"					Vert. Stirrups Cap Beam
5P-13	5	30	3'-9"	IX	3'-9"	2'-2"	5 3/4"					Vert. in Cap Beam & Pedestals
6P-1	6	24	3'-10"	IX	3'-10"	3'-2"	6 3/4"					Horiz. in Pedestals
SUPERSTRUCTURE												
555T1	5	1116	39'-10 1/2"	III	39'-3 1/2"	7"	3 3/4"					Trans. in Slab - Top - Span 1 & 2
555T2	5	204	44'-7"	Str								Trans. in Slab - Bottom - Span 1 & 2
555T3	5	524	34'-7"	Str								Trans. in Slab - Bottom - Span 1 & 2
555T4	5	108	to	III	to							Trans. in Slab - Top - Span 1 & 2
555T5	5	103	23'-1"	III	22'-6"	7"	3 3/4"					
555T6	5	103	44'-7"	Str								Trans. in Slab - Bottom - Span 1 & 2
555T7	5	390	to	I	to							Trans. in Slab - Top - Span 1 & 2
555T8	5	390	to	Str								Trans. in Slab - Bottom - Span 1 & 2
555T9	5	496	41'-10"	Str								Longit. in Slab - Span 1
555T10	5	496	42'-10"	Str								Longit. in Slab - Span 2
555T11	5	12	41'-1"	Str								Longit. in Sotetyrnak - Span 1
555T12	5	18	42'-11"	Str								Longit. in Sotetyrnak - Span 2
555T13	5	500	to	XV	5"	3 1/2"	1'-5"	6"	1'-4"			Stirrups in Sotetyrnak

PLANS MADE	IN CHARGE OF L.H. TURNER
1st REVISION	DESIGNED BY R.H. PERRY
2nd REVISION	DETAILED BY M. STREEVER
3rd REVISION	TRACED BY M. STREEVER
	TRACING CHECKED BY S.D. [Signature]

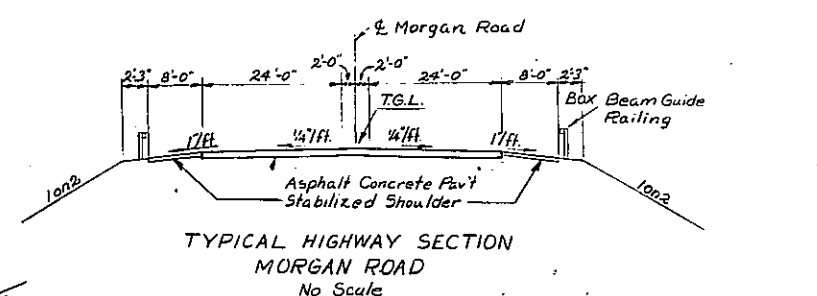
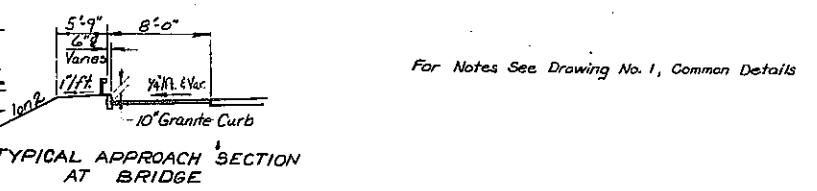
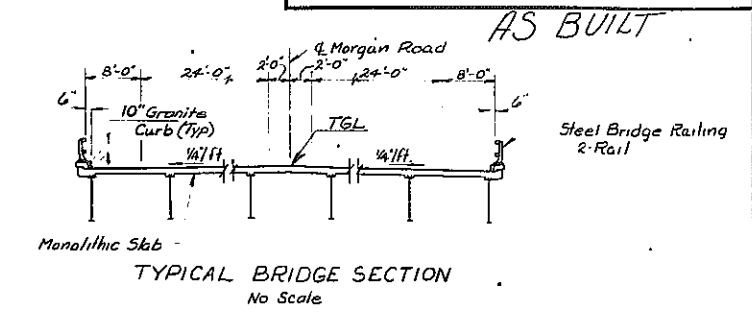
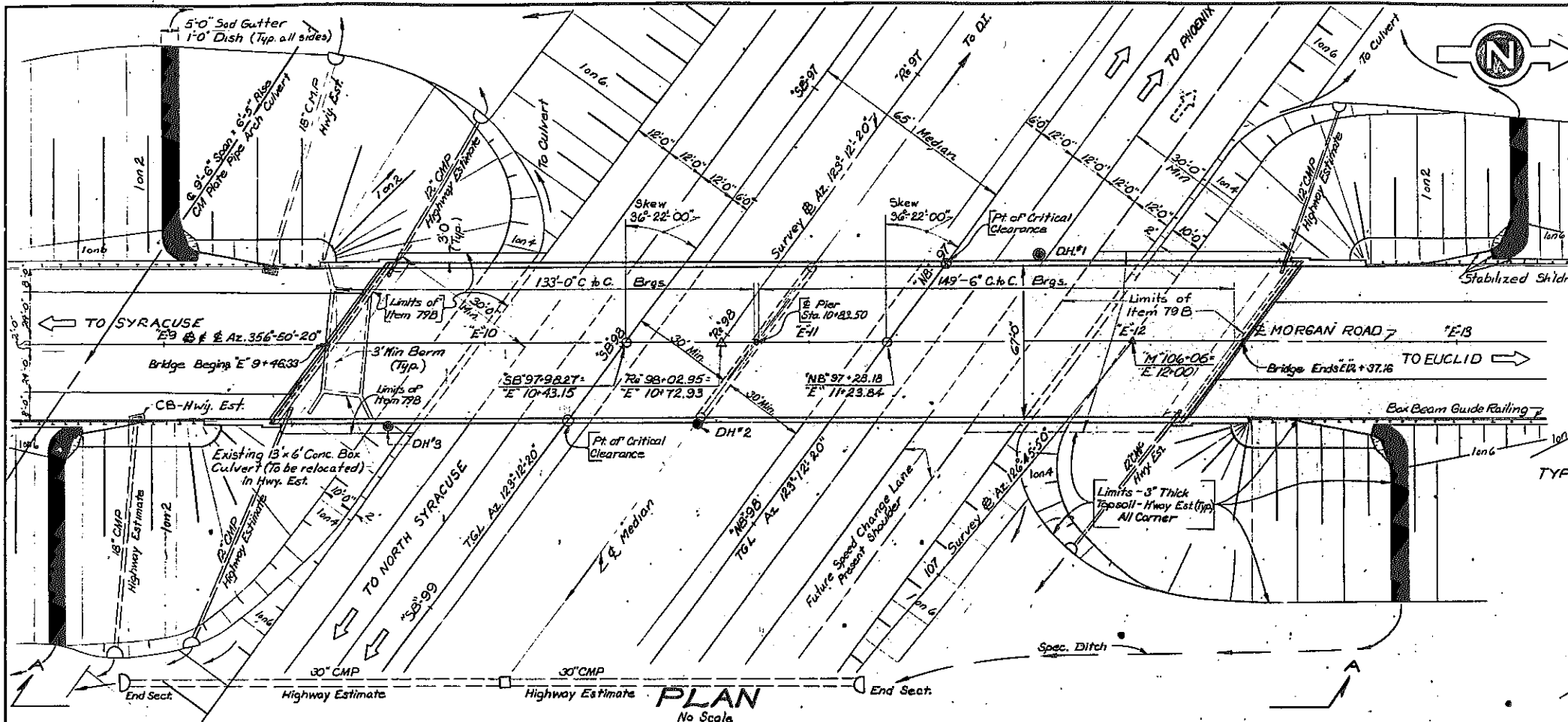
Note: All dimensions are out to out.

As built revision: Altered Bar Reinforcement Lengths

PRINTED NO. 1
SCALE 1/8" = 1'-0"
ENCLOSURE - 0'-0" STRAP
S620+67.07=A17+34.37 NB21+21.39=A17+77.87
BAR LIST (2 OF 2)
DRAWING NO. 14 OF 4

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	NEW YORK		173B	257

EUCLED-NORTH SYRACUSE

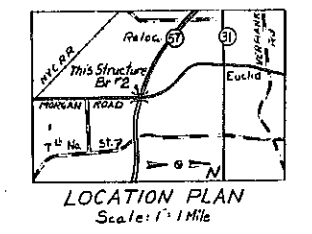
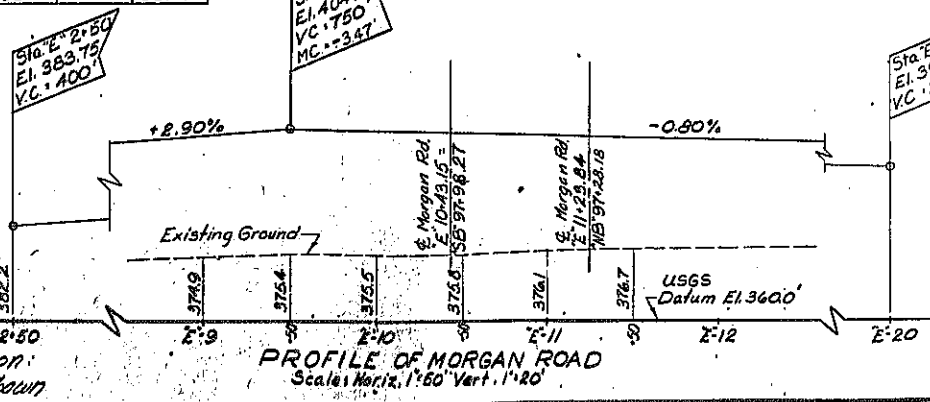
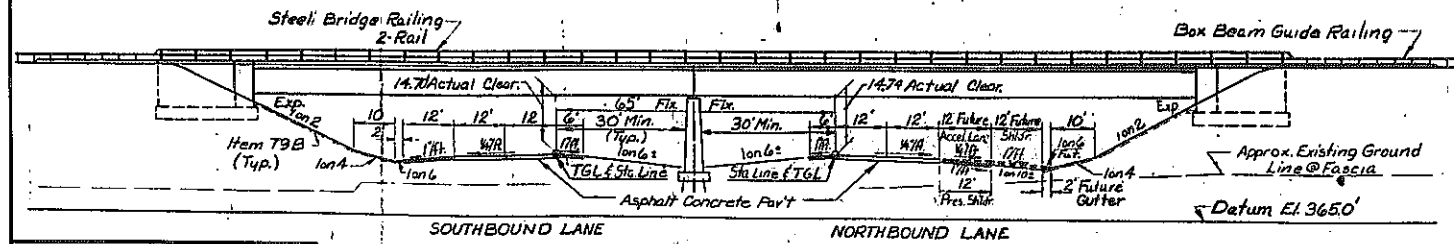
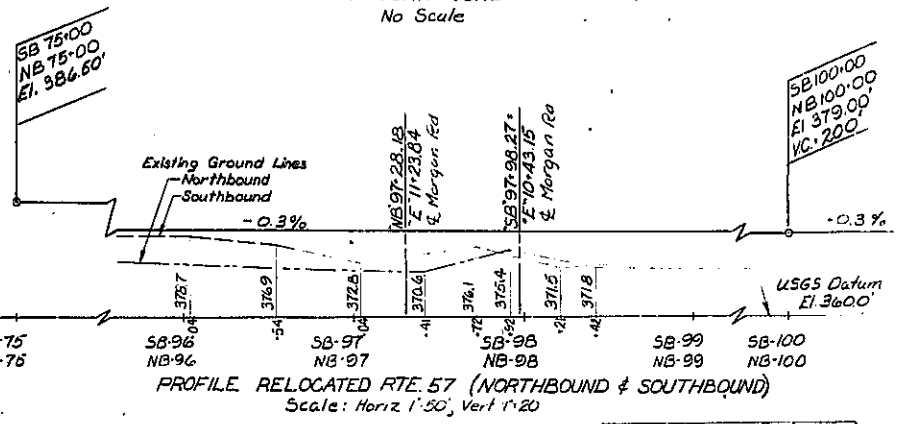


ESTIMATE OF QUANTITIES

ITEM	DESCRIPTION	UNIT	NEAT	PROP.	FINAL	ITEM	DESCRIPTION	UNIT	NEAT	PROP.	FINAL
2EF-B	Selected Granular Fill	C.Y.	2,455	2,500	220.05	61	Bituminous Material	Gal.	96	100	97.8
2VJ-D	Selected Fill (Bridge Foundations)	C.Y.	6,624	6,700	795.2	79B	Concrete Block Paving	S.Y.	794	800	1025.24
2UF	Underdrain Filter	C.Y.	15	20	14.6	83TXS	Temporary Sheet Piling	S.F.	1,304	1,310	0
5B	Structure Excavation	C.Y.	457	460	307.3	124	Saddling	S.Y.	169	170	
11H-6	Perforated Corrugated Metal Pipe Underdrain 6"	L.F.	278	280	263.5	363I	Epoxy Protective Coating For Concrete	S.F.	2,441	2,500	233.1
13DC	Downspouts	L.F.	76	80	0	664LD	Linseed Oil Protective Coating For Concrete	Gal.	94	100	0
1B	Class "A" Concrete For Structures	C.Y.	135	140	131.6	85C	Cast In Place Concrete Piles	L.F.	1,500	1,500	1448.5
1BMA	Class "A" Concrete For Structures (Monolithic)	S.F.	19,984	20,000	0	87	Furnishing Equipment For Driving Piles	L.S.	Nec.	Nec.	25%
20	Class "B" Concrete For Structures	C.Y.	485	490	477.87	101B	Drainage Trough	L.F.	169	170	166.75
24A	Bagged Screened Aggregate	C.Y.	74	80	56.90	375(2)	Steel Railing (2 Rail)	L.F.	670	670	669.61
28	Bar Reinforcement For Structures	Lb.	228,640	228,700	226,944	94SBV	Stone Curb (Bridge Type)	L.F.	836	840	822
28B	Stud Shear Connectors	Ea.	4,368	4,370	4368	181MAW	Winter Protection For Rebar Concrete	L.S.	100%	100%	100%
29	Structural Steel	Lb.	890,093	890,200	878,252	18119X	Class "B" Concrete (No Curing Compound)	S.F.	199396		199396
						13DE	Downspouts	L.F.	80		66.06

ITEM 29

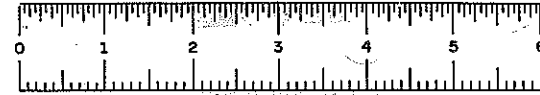
	NEAT	PROP.
A441	747,537	747,600
A36	124,665	124,700
A242	17,891	17,900



PROJECT ENGINEER: A. Koroluk
 IN CHARGE OF: L.H. Turner
 DESIGNED BY: B.M. Adams
 DESIGN CHECKED BY: A. Muccel
 DETAIL CHECKED BY: Tony Camcoli
 DETAIL CHECKED BY: H.E. Patis

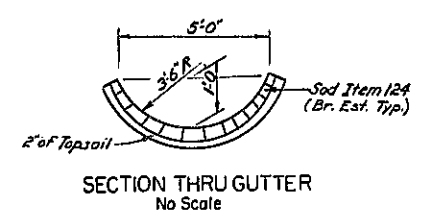
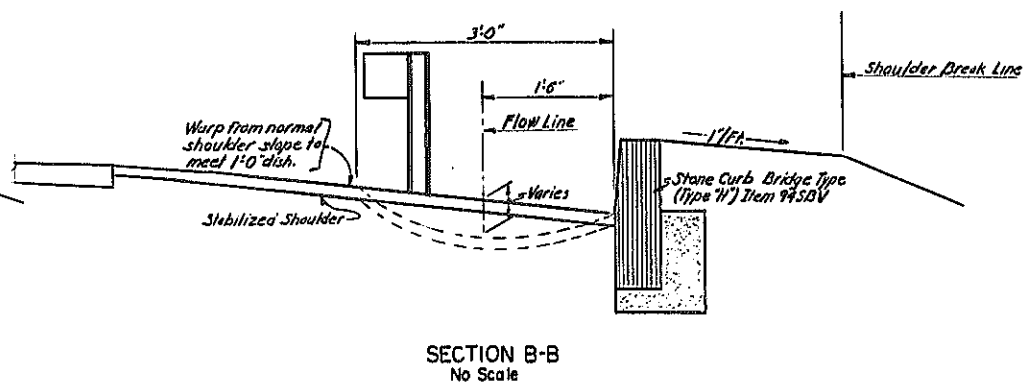
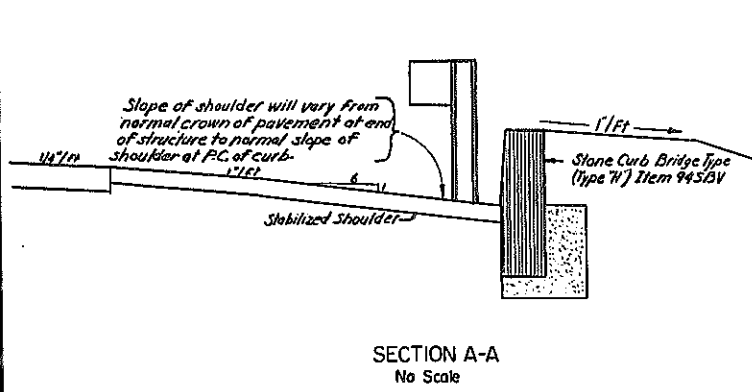
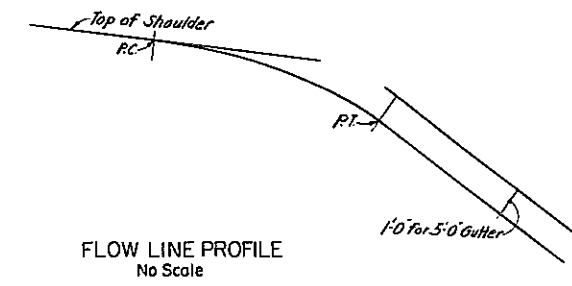
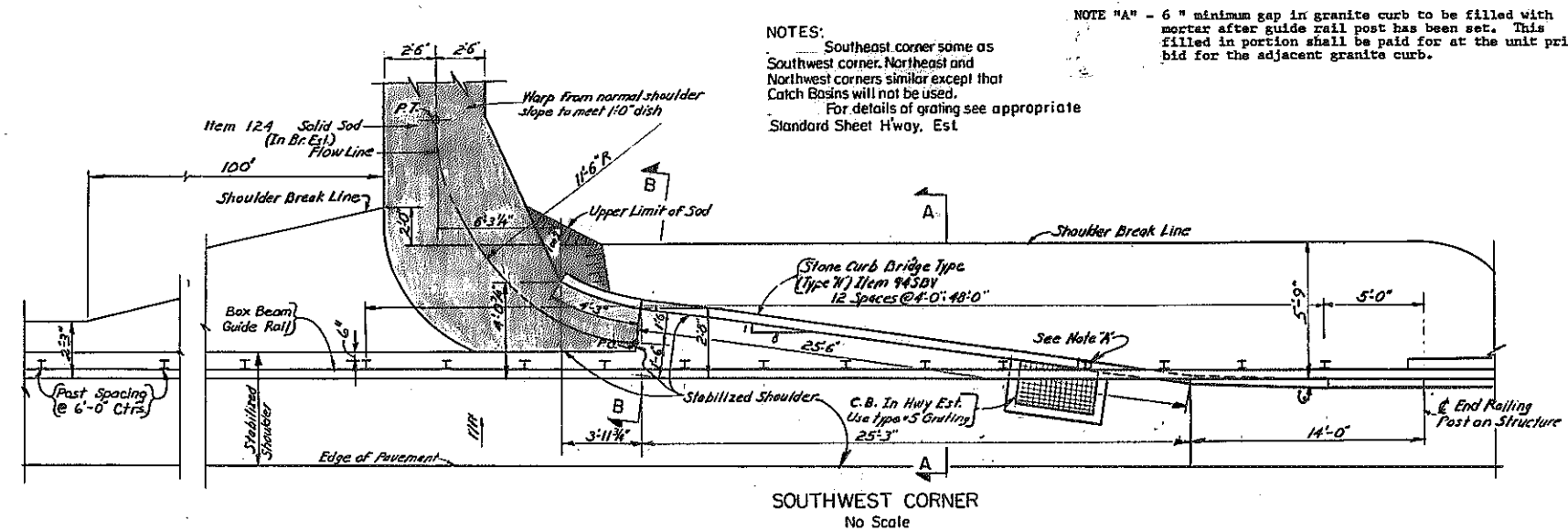
BRIDGE NO. 2
 MORGAN ROAD OVER NEW S.H.
 EUCLED - NORTH SYRACUSE
 SB 97+98.27 + E 10 + 43.15 NB 97+28.18 + E 11 + 23.94
 PLAN & PROFILE
 DRAWING NO. 1 OF 16

As Built Revision:
 Final Quantities Shown



SH 69-5 RC 69-102

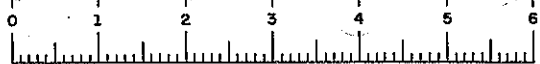
FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		174	257
EUCLID-NORTH SYRACUSE				



PROJECT ENGINEER A. Karolak
 IN CHARGE OF L. H. Turner
 DESIGNED BY B. Debus
 DESIGN CHECKED BY A. Debus
 DETAILED BY B. Debus
 CIVIL ENGINEER B. Debus

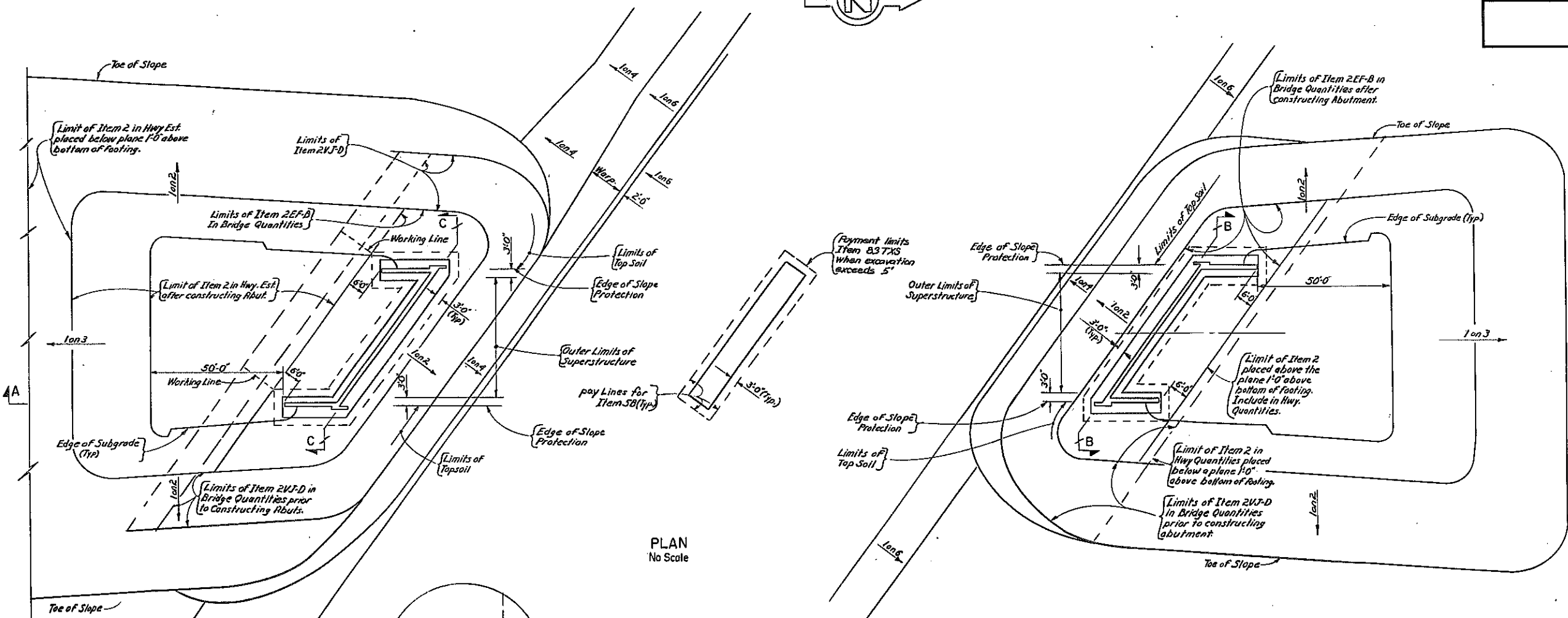
BRIDGE NO. 2
 MORGAN ROAD over NEW S.H.
 EUCLID - NORTH SYRACUSE
 SB97+98.27 + C10+43.15 NB97+28.16 + E11+23.84

DRAINAGE DETAILS
 DRAWING NO. 2 OF 16

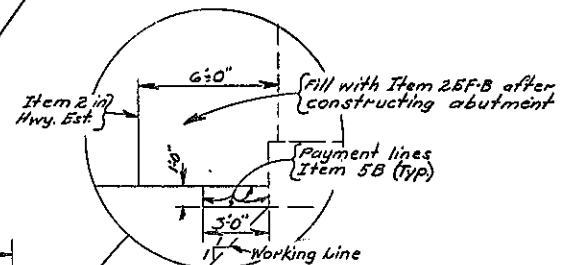


SH 69-5 RC 69-102

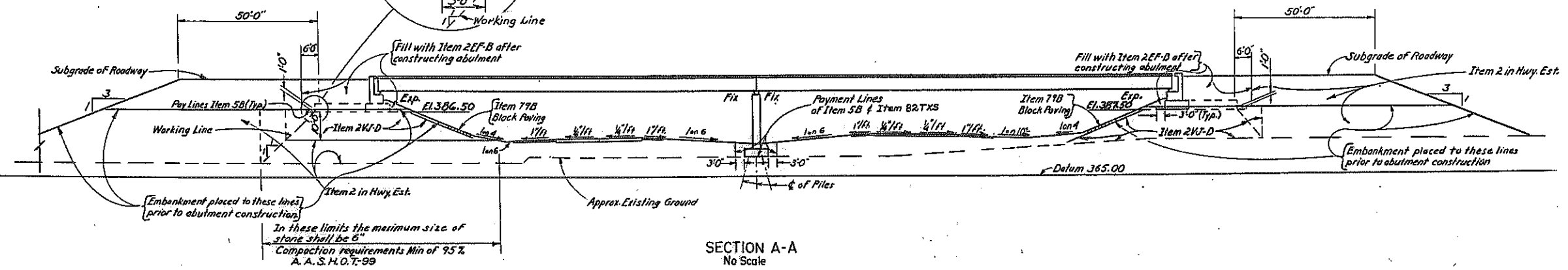
FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		175	257
EUCLID-NORTH SYRACUSE				



PLAN
No Scale



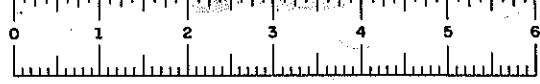
NOTE:
For Sections B-B₂
and C-C, see Dwg. 4 of 16



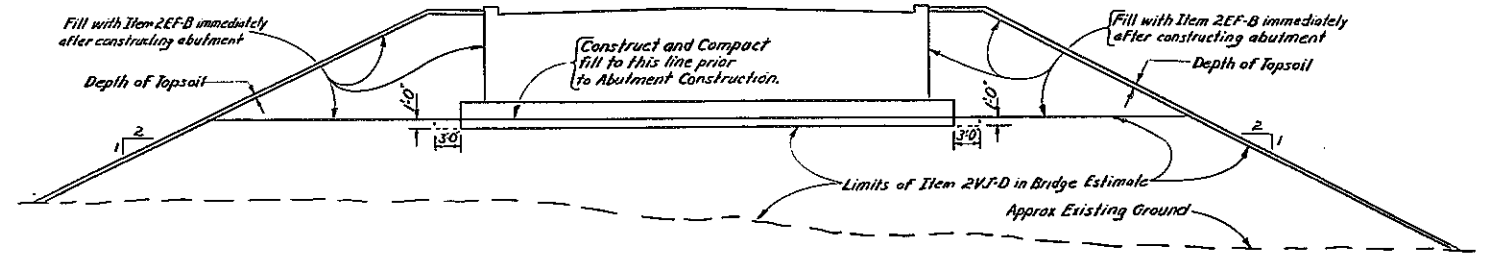
SECTION A-A
No Scale

PROJECT ENGINEER A. Kardak
 IN CHARGE OF L.H. Turner
 DESIGNED BY B.H. Redway
 DESIGN CHECKED BY A. Deluca
 DETAIL CHECKED BY B. Kocis

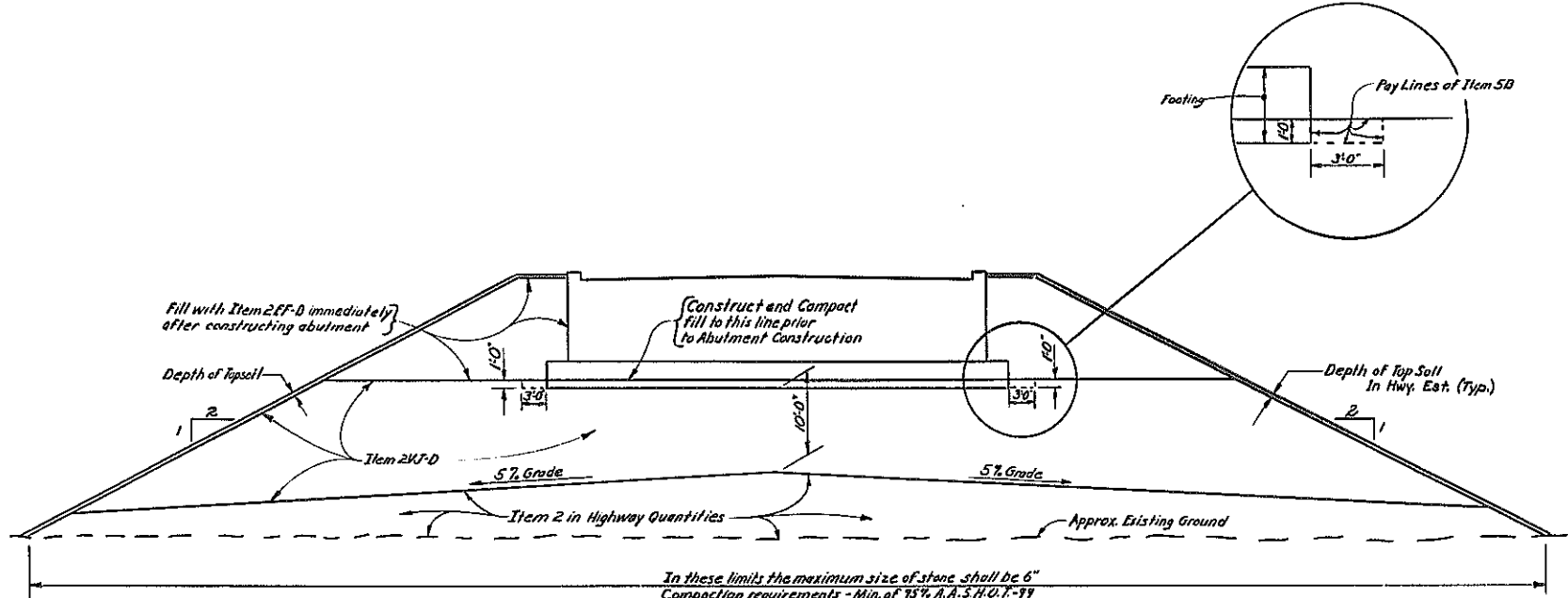
BRIDGE NO. 2
 MORGAN ROAD over NEW S.H.
 EUCLID - NORTH SYRACUSE
 SB 87 + 98.27 + E 10 + 43.15 NB 97 + 28.16 + E 11 + 25.64
 EXCAVATION & EMBANKMENT (1 OF 2)
 DRAWING NO. 3 OF 16



FED. RD. DIST. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		176	257
EUCLID-NORTH SYRACUSE				



SECTION B-B
No Scale



SECTION C-C
No Scale

All sod, topsoil and unsuitable material under the substructure embankment shall be removed as specified under the General Excavation Specifications and replaced by the same item as the layer of embankment adjacent and above as shown on the plans.

*All embankments of Selected Granular Fill, Item 2EF-B and Selected Fill (Bridge Foundation) Item 2VJ-D, shall be compacted to a minimum dry density of 100% of Maximum Density as defined under "h. Embankments" of the General Excavation Specifications.

1). However, where the material contains more than 30%, by weight, of particles retained on the 3/4 inch sieve, a minimum dry density of 95% of the Maximum Density will be required.

The Contractor shall place and compact all fill for bridges between the final toes of slope in accordance with the plans and specifications in a manner satisfactory to the Deputy Chief Engineer (Design).

1). The embankment shall be allowed to stand for a period of time satisfactory to the Deputy Chief Engineer (Design) prior to any substructure construction.

*Items 2 and 2EF-B and Items 2 and 2VJ-D shall be placed simultaneously, in contact, on both sides of the vertical payment line. Sheeting or other means shall not be used to separate the two materials.

The installation of Selected Fill, Item 2EF-B, as shown on the structural plans, shall be completed immediately following the completion of abutments or walls.

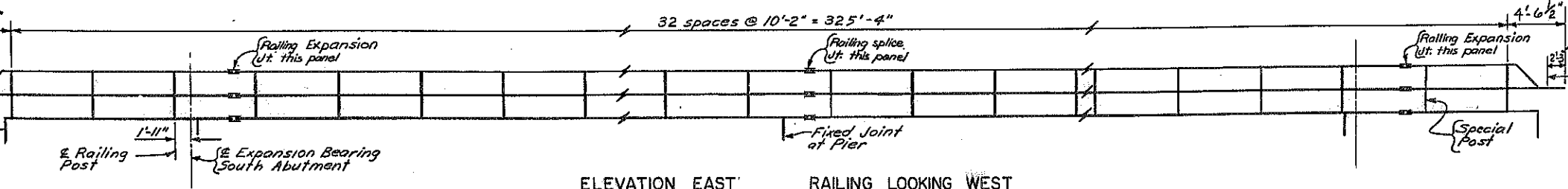
Complete backfill behind abutments to subgrade prior to setting final pedestal elevations.

For design purposes the foundation pressure does not exceed 2 1/2 Tons per square foot.

Estimated length of 35 Ton C.I.P. concrete piles Pier 25 feet.

Pay limit for Item 375(2) in Bridge Est. In Highway Est.

PROJECT ENGINEER *H. Karolak*
 IN CHARGE OF *L.H. Turner*
 DESIGNED BY *R. DeLong*
 DESIGN CHECKED BY *A. Adams*
 DETAILED BY *L. J. ...*
 DESIGN APPROVED BY *R. ...*

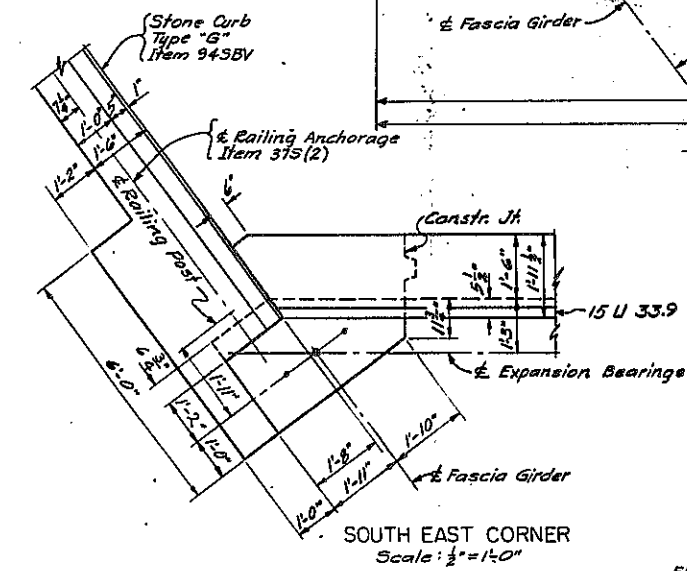
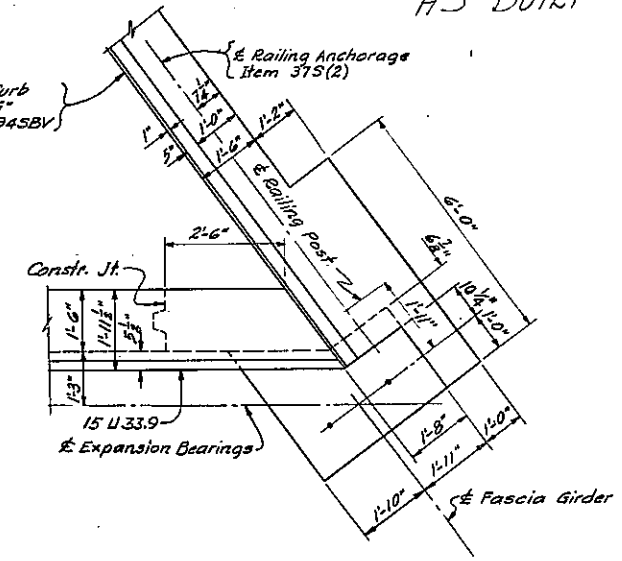
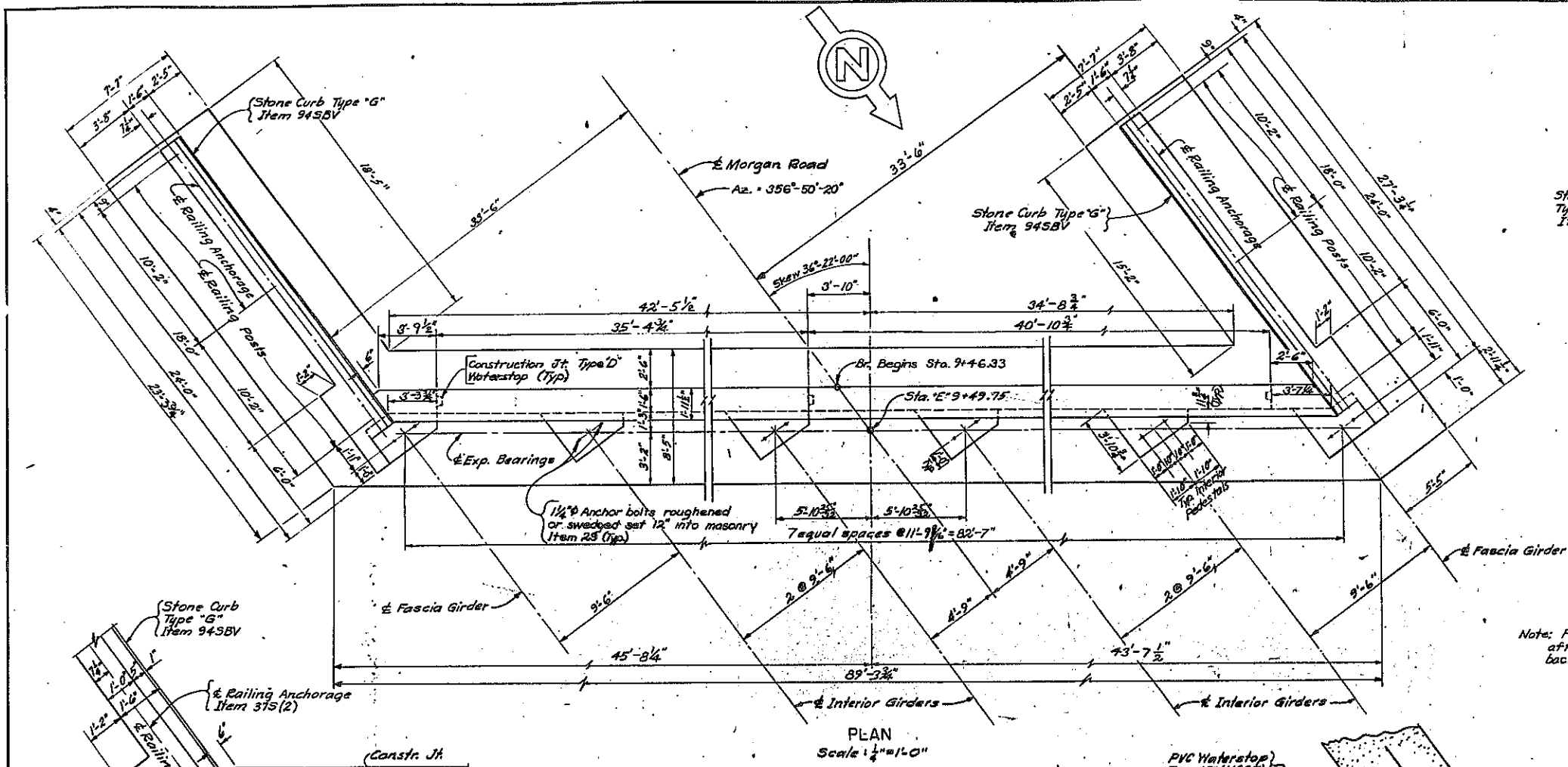


ELEVATION EAST RAILING LOOKING WEST
 WEST RAILING SIMILAR
 NO SCALE

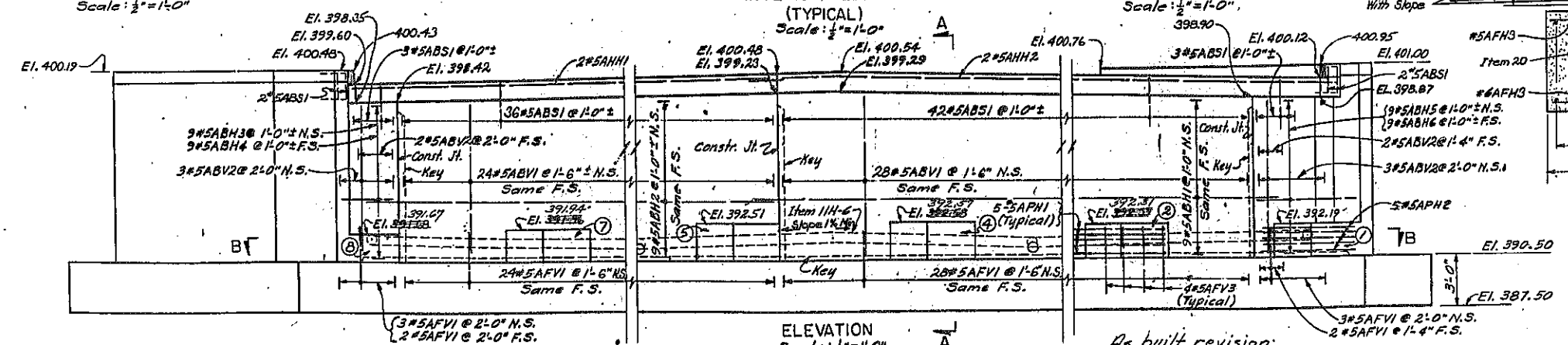
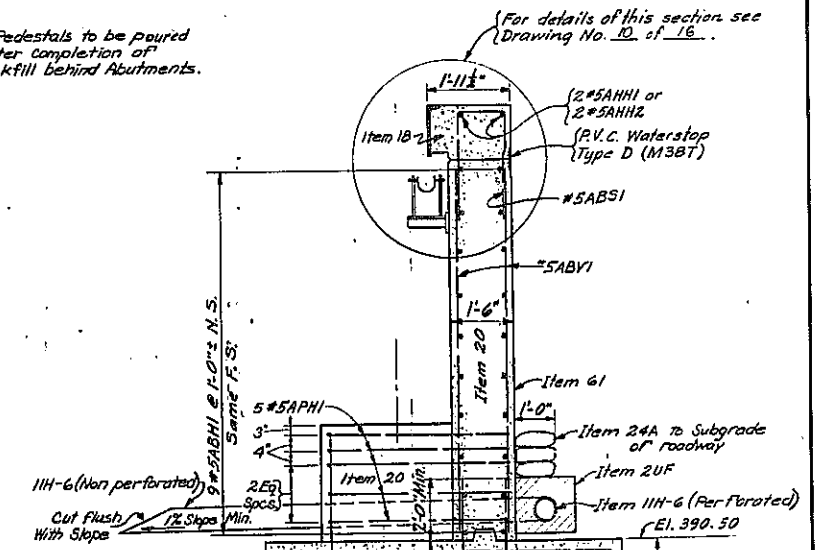
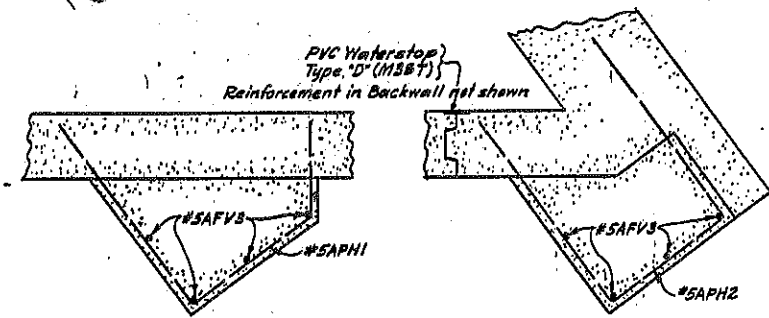
BRIDGE NO. 2
 MORGAN ROAD over NEW S.H.
 EUCLID - NORTH SYRACUSE
 SB 97 + 98.27 + E 10 + 43.15 NB 97 + 28.16 + E 11 + 23.89
EXCAVATION & EMBANKMENT (2 OF 2)
 DRAWING NO. 4 OF 16

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		177/1	257
EUCLID-NORTH, SYRACUSE				

AS BUILT



PED. NO.	ELEV.	Final
1	392.19	392.19
2	392.32	392.31
3	392.45	392.45
4	392.58	392.57
5	392.51	392.51
6	392.23	392.25
7	391.96	391.94
8	391.68	391.67



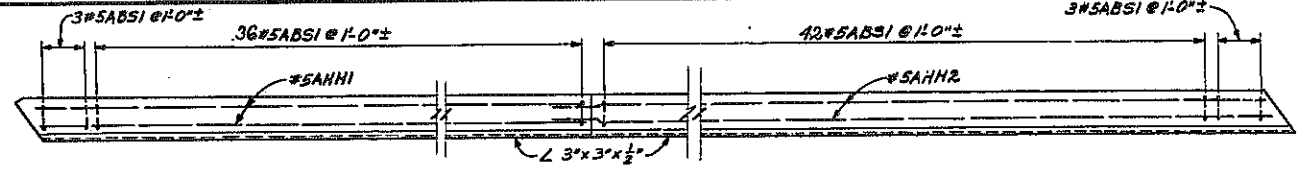
As built revision:
Altered B/C Pedestal Elevations

PROJECT ENGINEER *A. Karolak*
IN CHARGE OF *L.H. Turner*
DESIGNED BY *R.W. Perry*
DESIGN CHECKED BY *L.H. Turner*
DETAILED BY *J. LaSacco & Doyle*
DETAIL CHECKED BY *A. Scipione & A. Kozlowski*

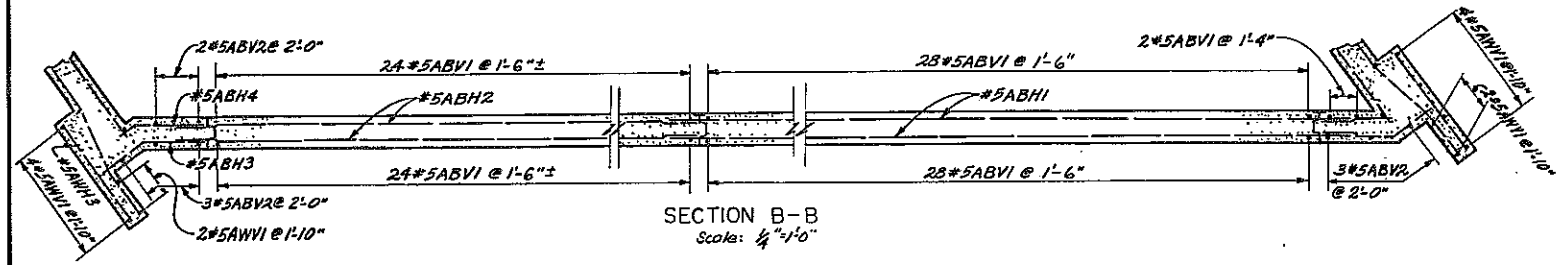
BRIDGE NO. 2
MORGAN ROAD OVER NEW S.E.
EUCLID - NORTH SYRACUSE
SB 97+98.27-E10+43.15 NB 97+28.16-E11+23.84
SOUTH ABUTMENT (1 OF 2)
DRAWING NO. 5 OF 16



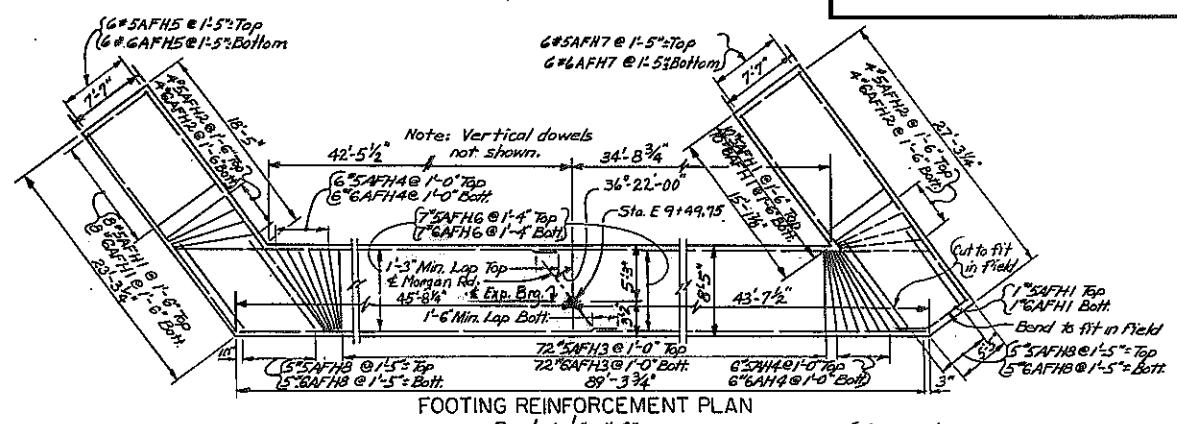
FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		178	257
EULCID-NORTH SYRACUSE				



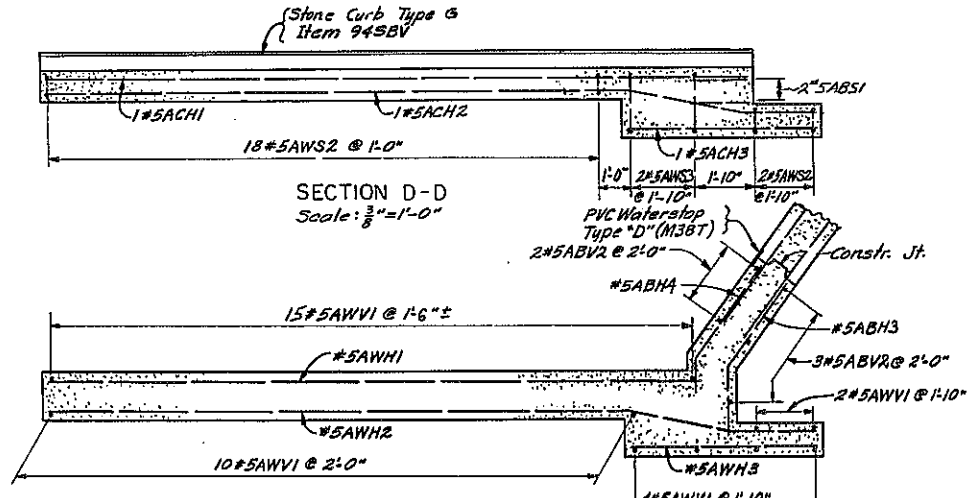
PLAN OF HEADER REINFORCEMENT
Scale: 1/4"=1'-0"



SECTION B-B
Scale: 1/4"=1'-0"

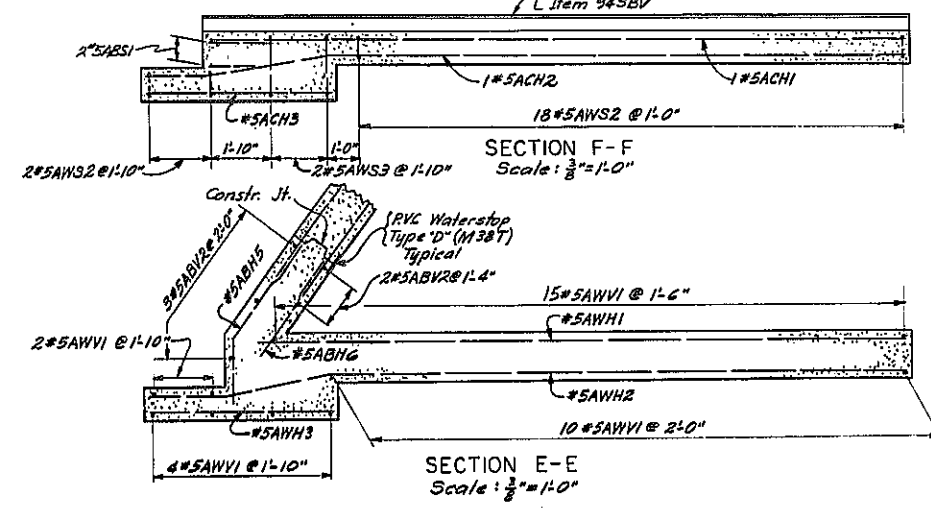


FOOTING REINFORCEMENT PLAN
Scale: 1/8"=1'-0"



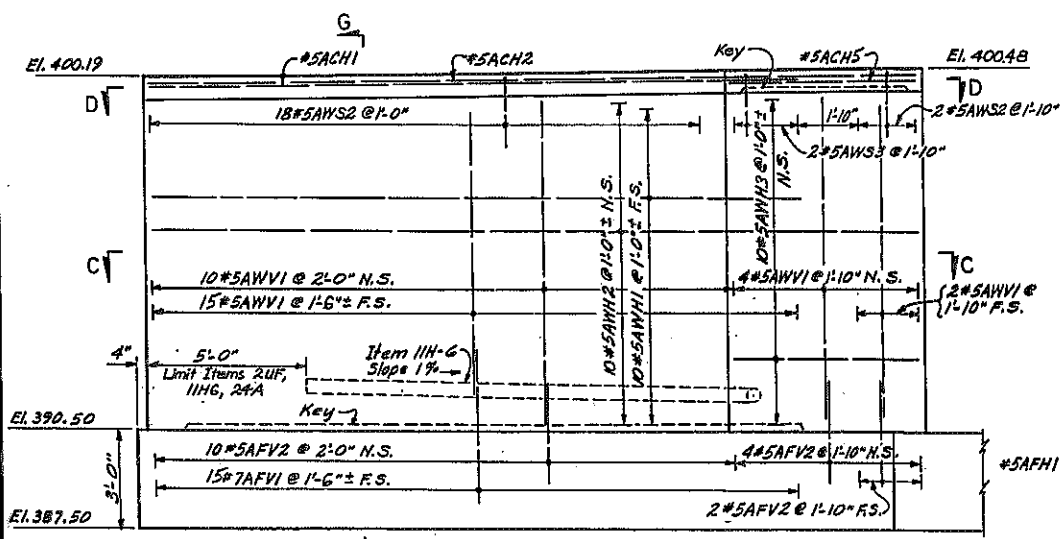
SECTION C-C
Scale: 3/8"=1'-0"

SECTION D-D
Scale: 3/8"=1'-0"

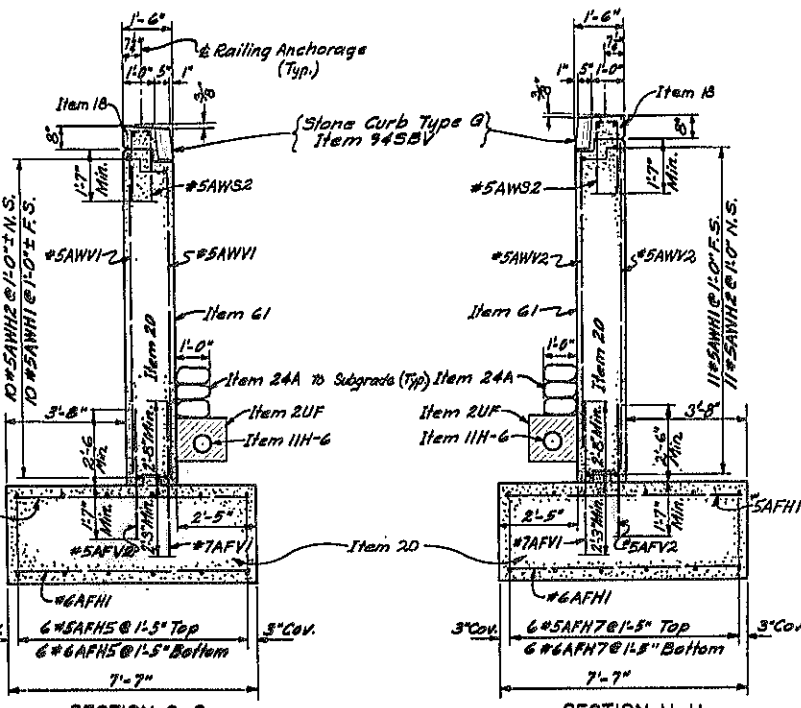


SECTION E-E
Scale: 3/8"=1'-0"

SECTION F-F
Scale: 3/8"=1'-0"

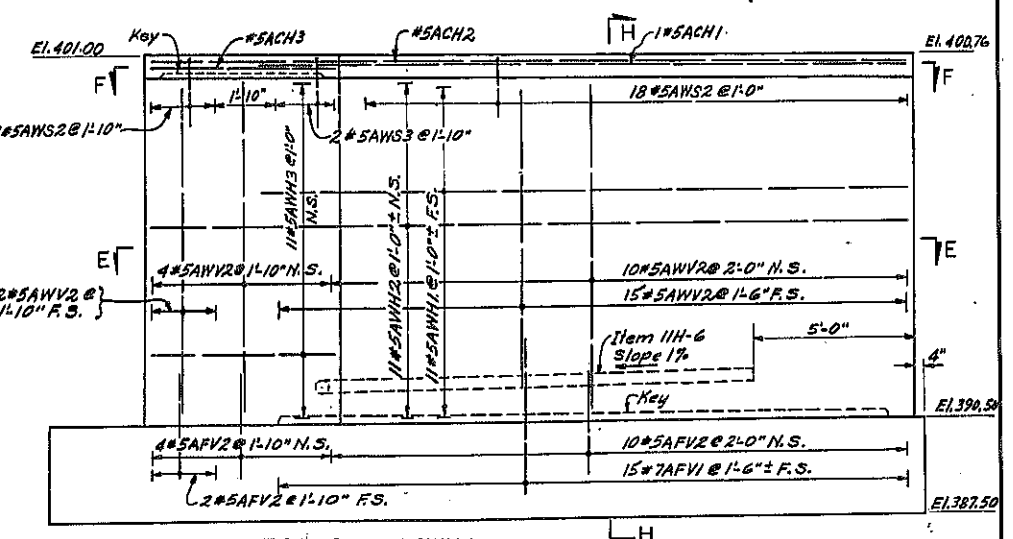


ELEVATION - S.E. WINGWALL
Scale: 3/8"=1'-0"



SECTION G-G
Scale: 3/8"=1'-0"

SECTION H-H
Scale: 3/8"=1'-0"



ELEVATION - S.W. WINGWALL
Scale: 3/8"=1'-0"

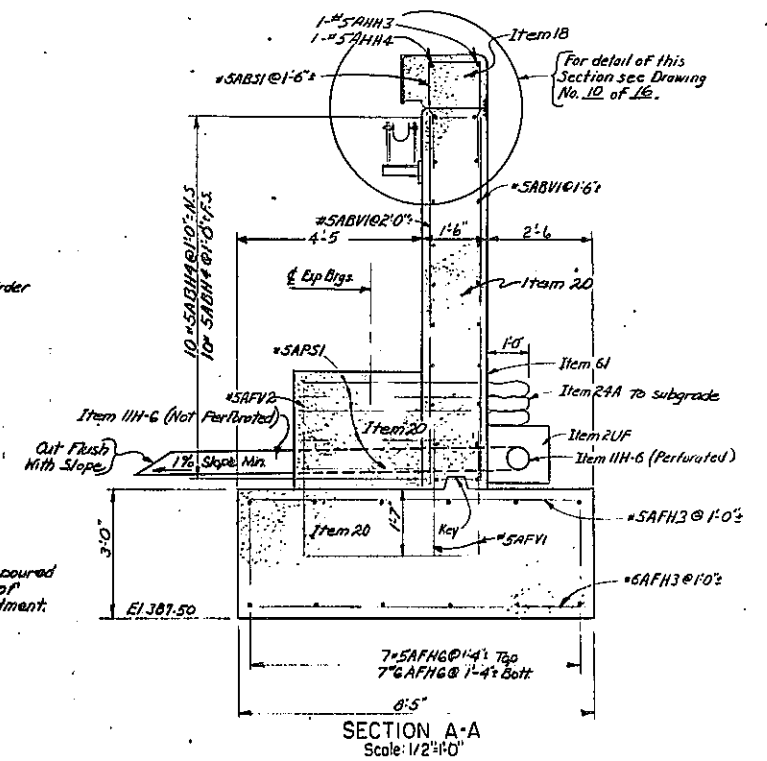
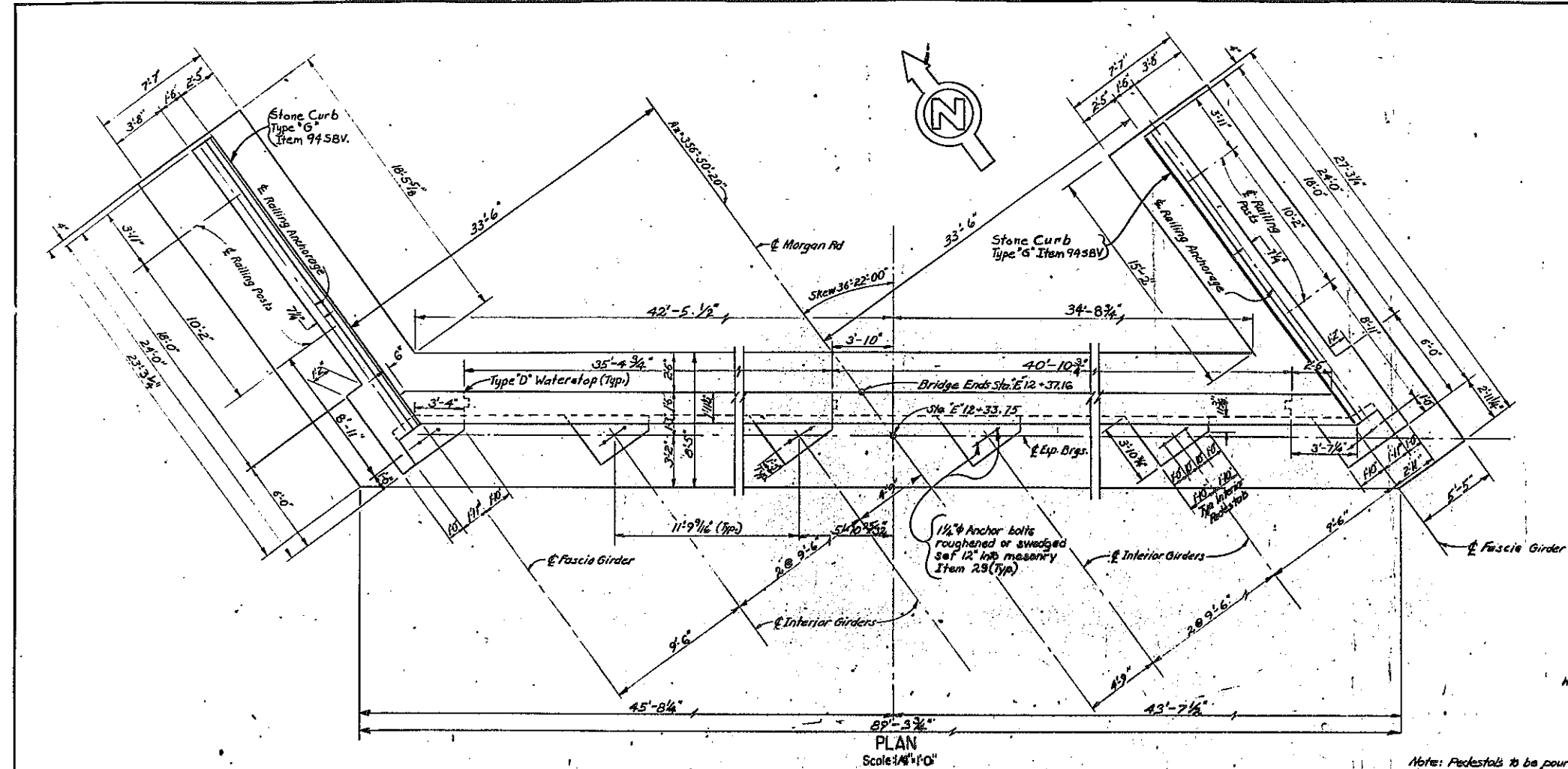
PROJECT ENGINEER: A. Kardek
IN CHARGE OF: L.H. Turner
DESIGNED BY: R.W. Perry
DESIGN CHECKED BY: L.H. Turner
DETAILS BY: Luciano J. D. Doyle
REVIEWED BY: J. Scipione P. Karpick

BRIDGE NO. 2
MORGAN ROAD OVER NEW S.H.
EULCID - NORTH SYRACUSE
5897+86.27 + E10 + 43.15 N697+28.18 + E11 + 23.84
SOUTH ABUTMENT (2 OF 2)
DRAWING NO. 6 OF 16

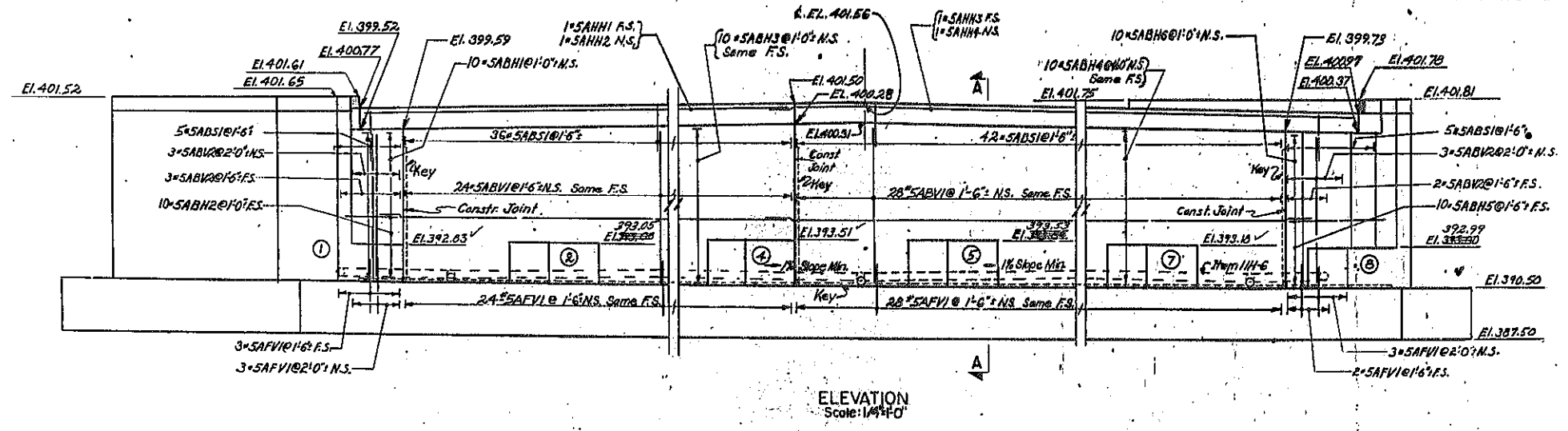
FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		179B	257
EUCLID-NORTH SYRACUSE				

AS BUILT

NOTES:
 Cover for footing reinforcement - 3" min.
 Cover for wall reinforcement - 2" min.
 All bars shall be embedded 30 dia.
 All bars shall be lapped 24 dia.



Notes: Pedestals to be poured after completion of backfill behind abutment.

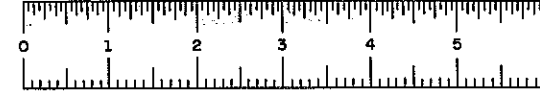


PED. NO.	ELEV.	Final
1	392.83	392.83
2	393.06	393.05
3	393.29	393.28
4	393.51	393.57
5	393.54	393.53
6	393.36	393.36
7	393.18	393.18
8	393.00	392.99

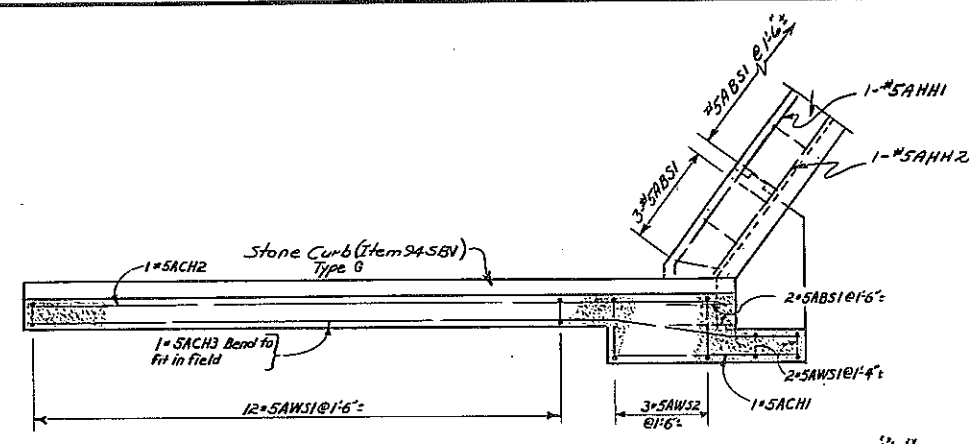
PROJECT ENGINEER A. Karolak
 IN CHARGE OF L. H. Turner
 DESIGNED BY A. Marcel
 DESIGN CHECKED BY P.H. Ordway
 DETAILED BY L. J. ...
 DETAIL CHECKED BY A. Scipione

As built revision:
 Altered Br. Pedestal Elevations

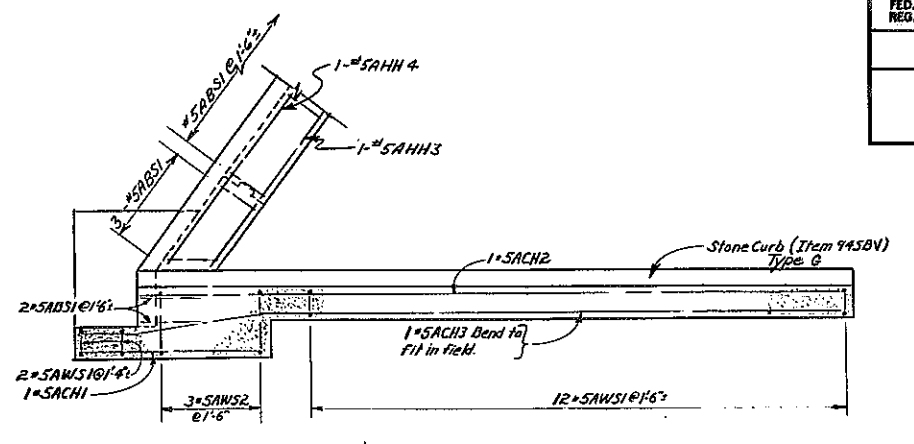
BRIDGE NO. 2
 MORGAN ROAD OVER NEW S.H.
 EUCLID - NORTH SYRACUSE
 SB97+98.27 + E 10 + 43.15 NB97+28.18 + E 11 + 23.84
 NORTH ABUTMENT (1 OF 3)
 DRAWING NO. 7 OF 16



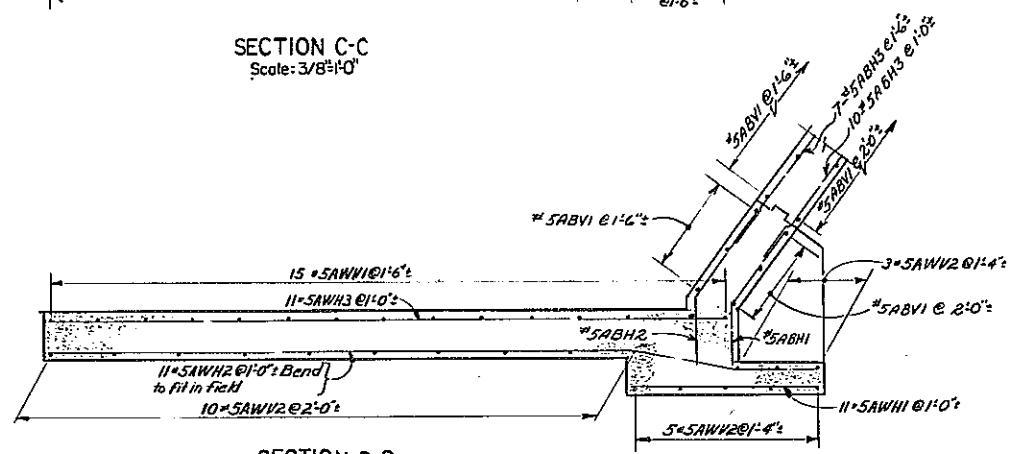
FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		180	257
EUCLID-NORTH SYRACUSE				



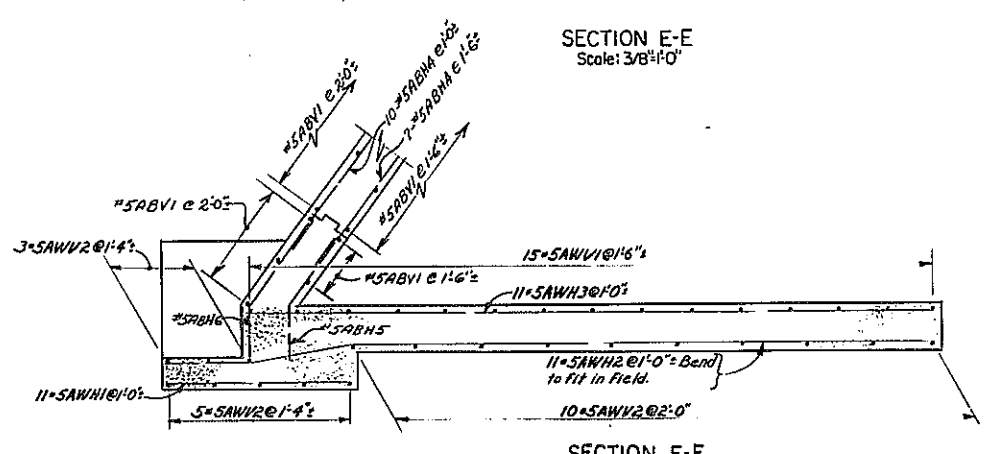
SECTION C-C
Scale: 3/8"=1'-0"



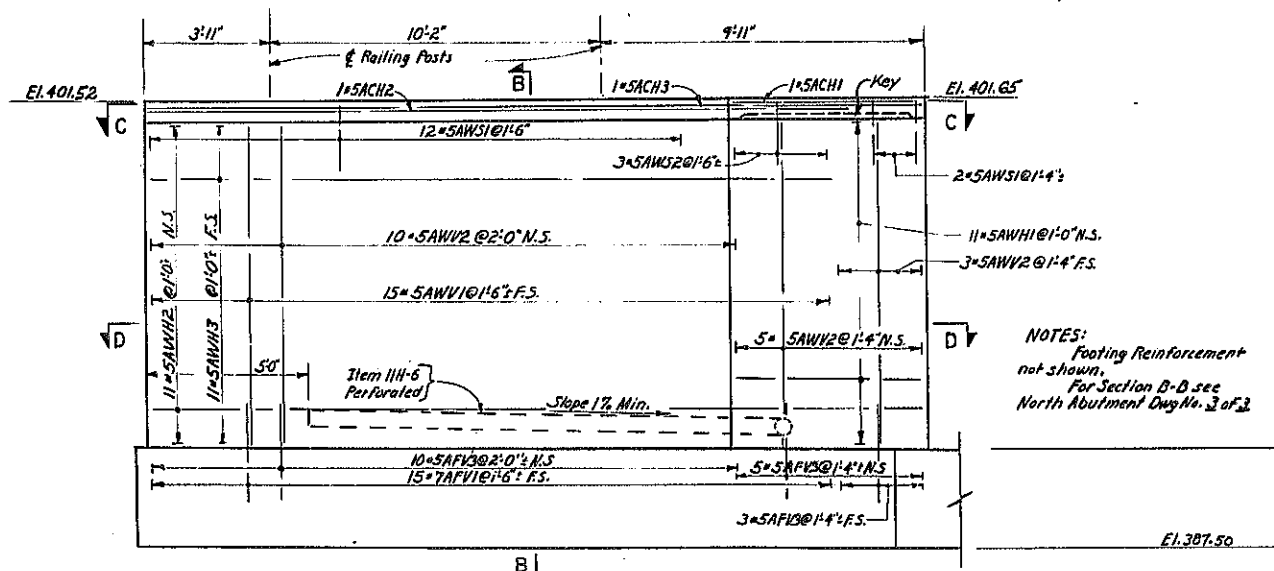
SECTION E-E
Scale: 3/8"=1'-0"



SECTION D-D
Scale: 3/8"=1'-0"

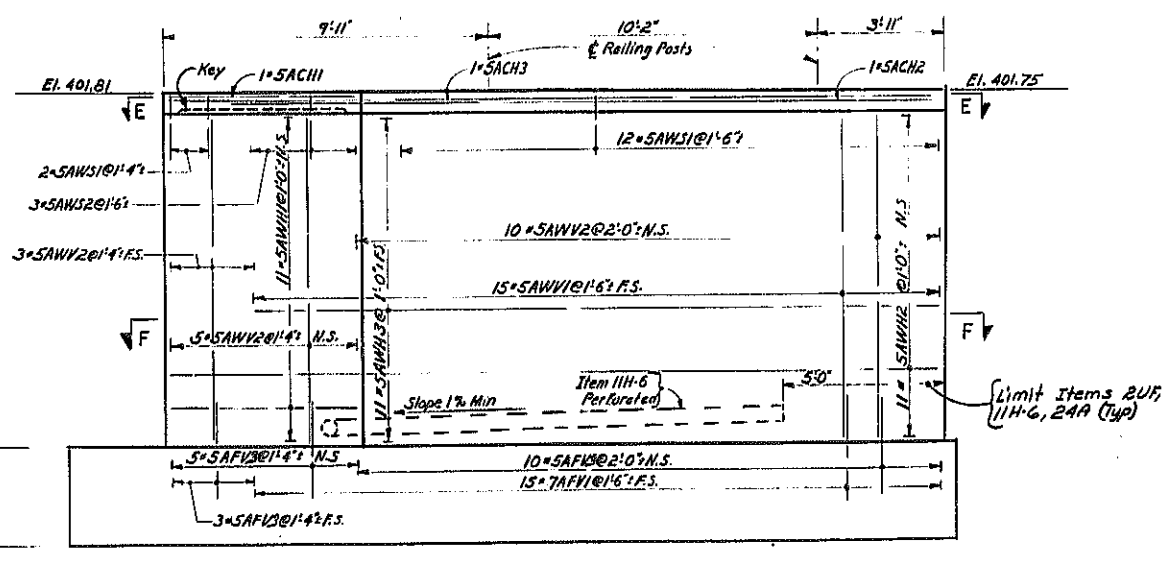


SECTION F-F
Scale: 3/8"=1'-0"



ELEVATION OF NORTH-WEST WINGWALL
Scale: 3/8"=1'-0"

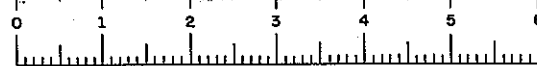
NOTES:
Footing Reinforcement not shown.
For Section B-D see North Abutment Dwg No. 2 of 3



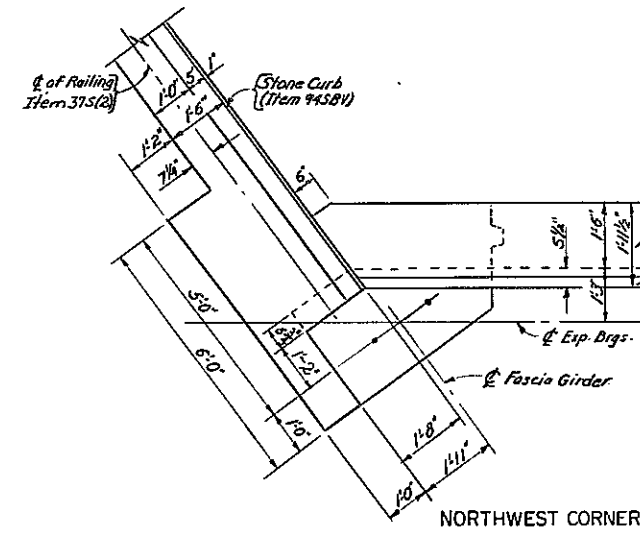
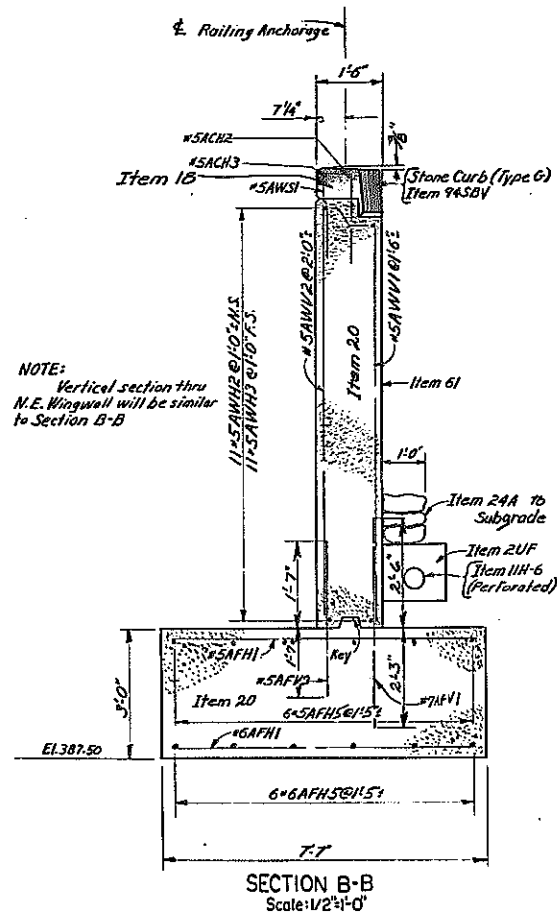
ELEVATION OF NORTH-EAST WINGWALL
Scale: 3/8"=1'-0"

PROJECT ENGINEER *A. Karolak*
IN CHARGE OF *L. H. Turner*
DESIGNED BY *R. Marce*
DESIGN CHECKED BY *R. H. Ordway*
DETAILED BY *J. J. ...*
DETAIL CHECKED BY *A. ...*

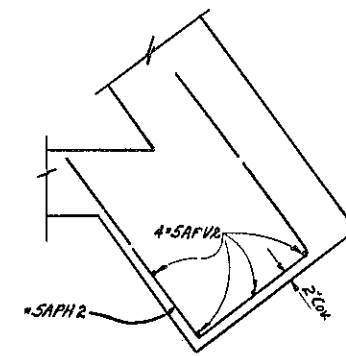
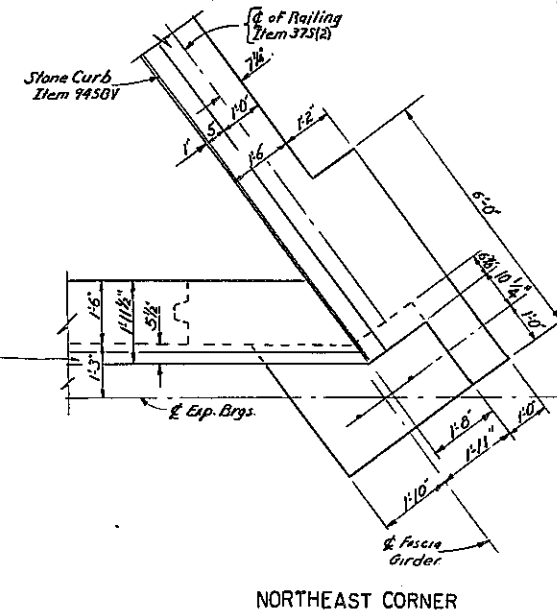
BRIDGE NO. 2
MORGAN ROAD over NEW S.H.
EUCLID - NORTH SYRACUSE
8897+88.27 • E10+43.15 N897+26.18 • E11+23.84
NORTH ABUTMENT (2 OF 3)
DRAWING NO. 8 OF 16



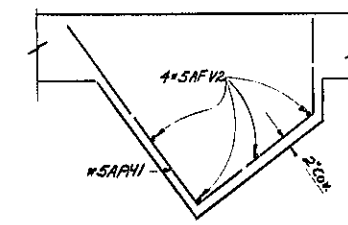
FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		181	257
EUCLID-NORTH SYRACUSE				



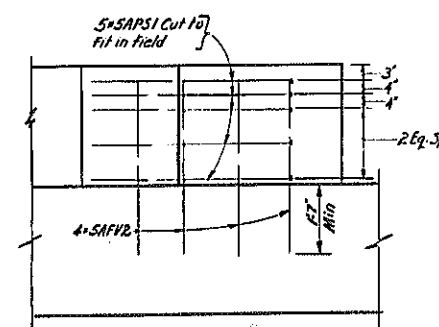
CORNER DETAILS
Scale: 1/2"=1'-0"



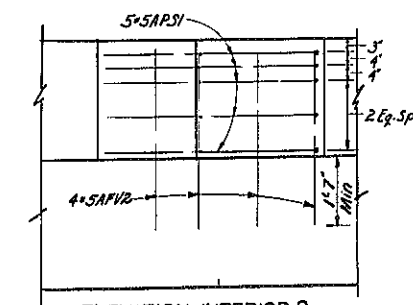
PLAN NORTHEAST FASCIA PEDESTAL
Scale: 1/2"=1'-0"



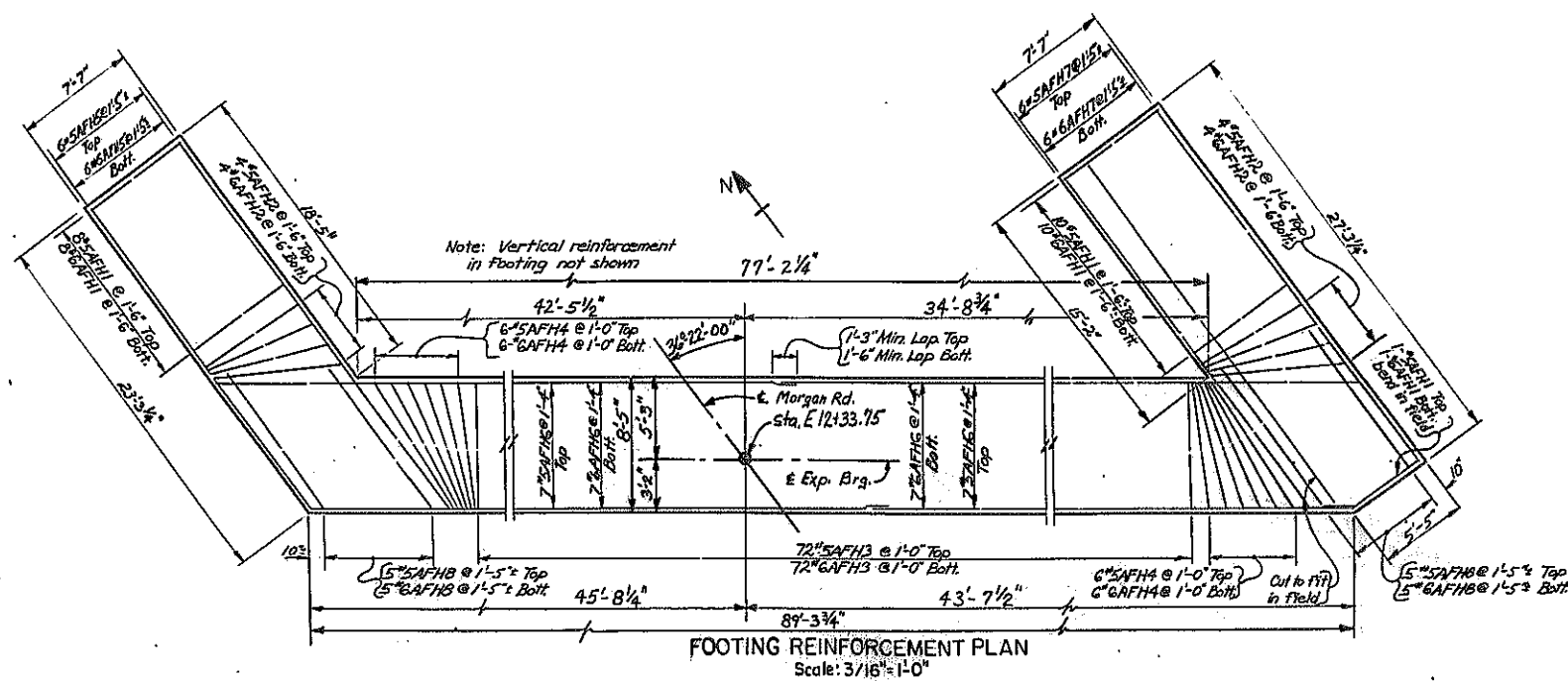
PLAN INTERIOR & NORTHWEST FASCIA PEDESTAL
Scale: 1/2"=1'-0"



ELEVATION NORTHEAST FASCIA PEDESTAL
Scale: 1/2"=1'-0"

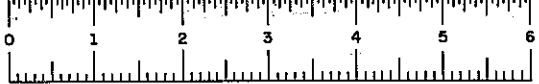


ELEVATION INTERIOR & NORTHWEST FASCIA PEDESTAL
Scale: 1/2"=1'-0"



PROJECT ENGINEER A. Karsch
 IN CHARGE OF L. H. Turner
 DESIGNED BY A. Maresel
 DESIGN CHECKED BY P. H. Ordway
 DETAILED BY W. S. F. D. Doyle
 REVIEWED BY P. S. Simpson

BRIDGE NO. 2
 MORGAN ROAD over NEW S.H.
 EUCLID - NORTH SYRACUSE
 SB 97 + 98.27 + E 10 + 43.15 NB 97 + 28.18 + E 11 + 23.84
NORTH ABUTMENT (3 OF 3)
 DRAWING NO. 9 OF 16

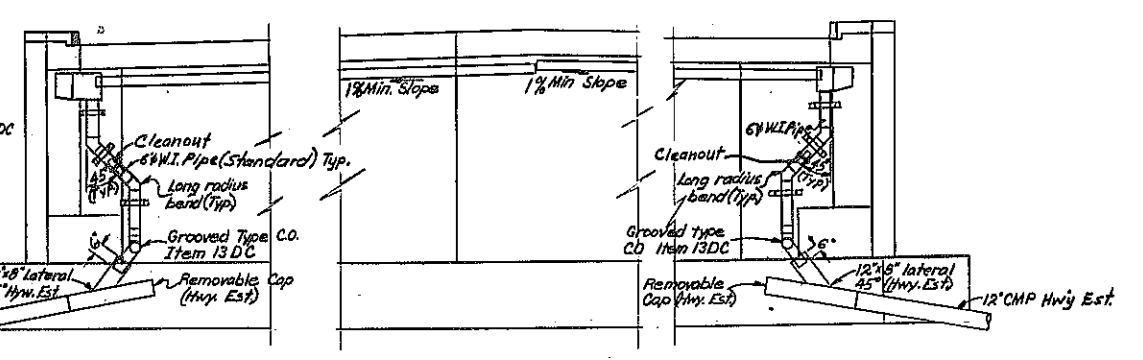
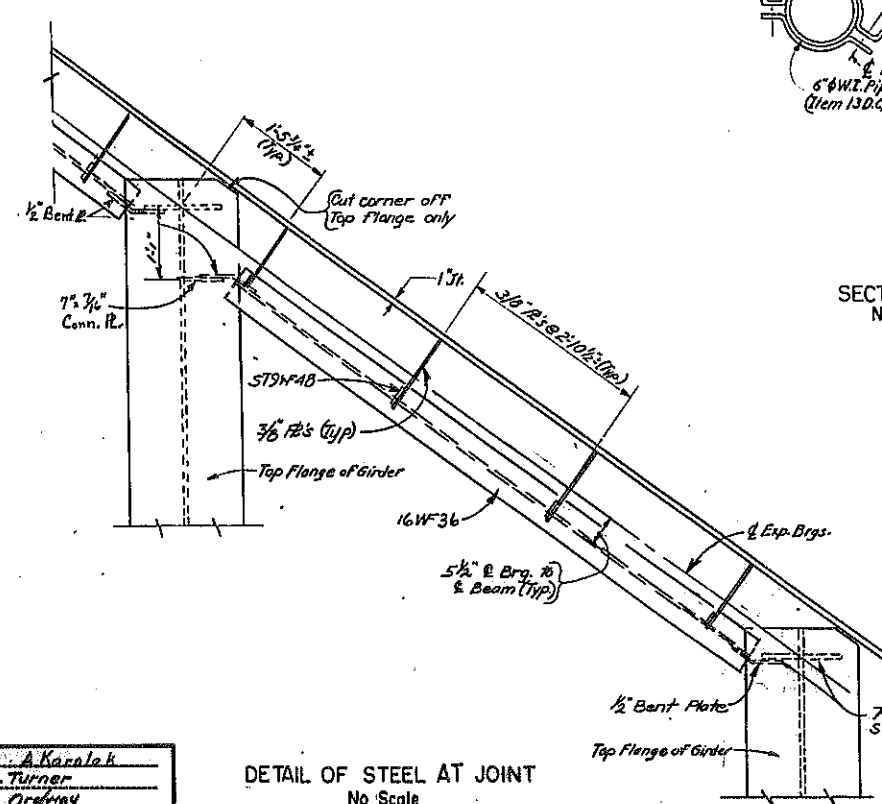
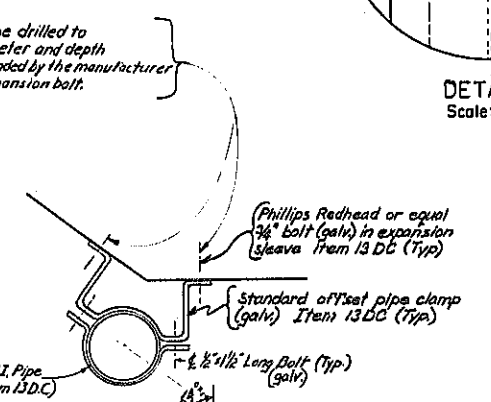
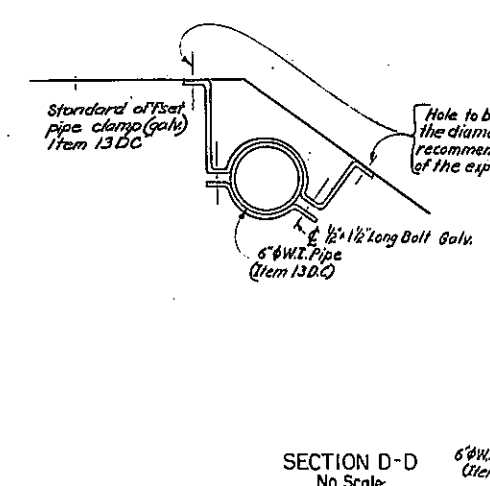
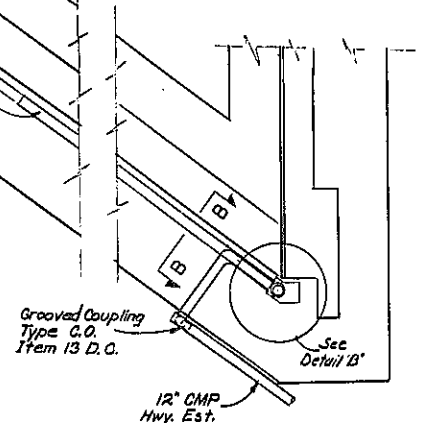
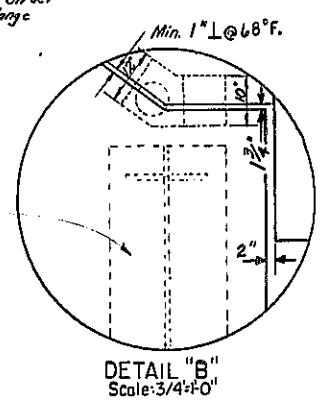
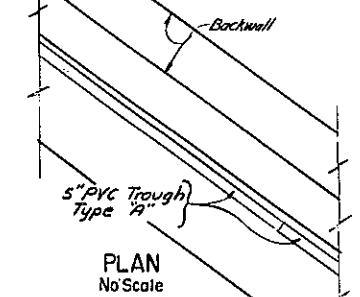
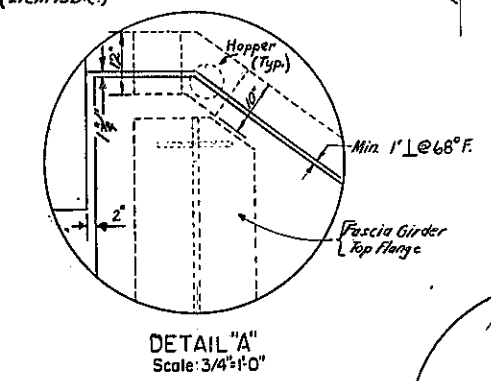
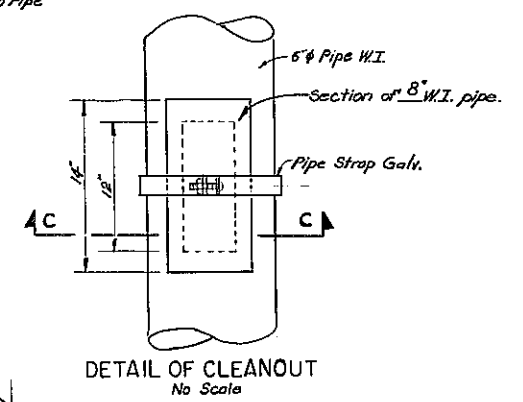
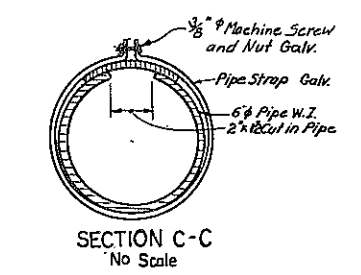
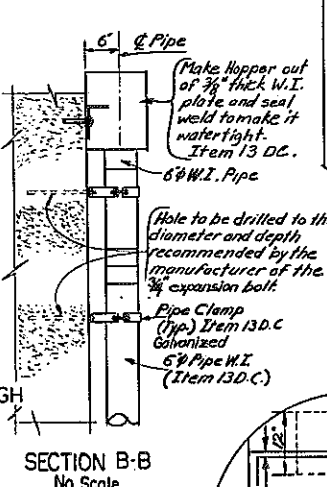
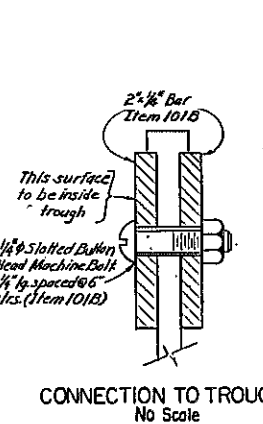
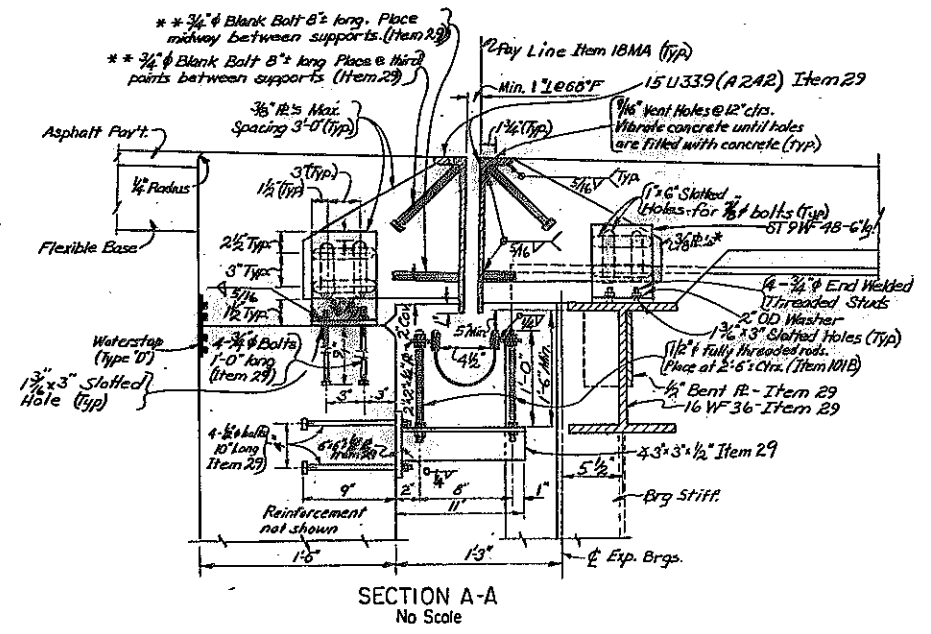


FED. RD. DIST. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		182	257

EUCLID-NORTH SYRACUSE

Note: * Place symmetrically between stringers at a maximum spacing of 3'-0"
 ** An end welded headed stud, 8" long, may be substituted for the blank bolt.

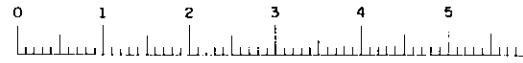
** 3/8" Blank Bolt 8" long. Place midway between supports. (Item 29)
 ** 3/4" Blank Bolt 8" long. Place at hand points between supports. (Item 29)



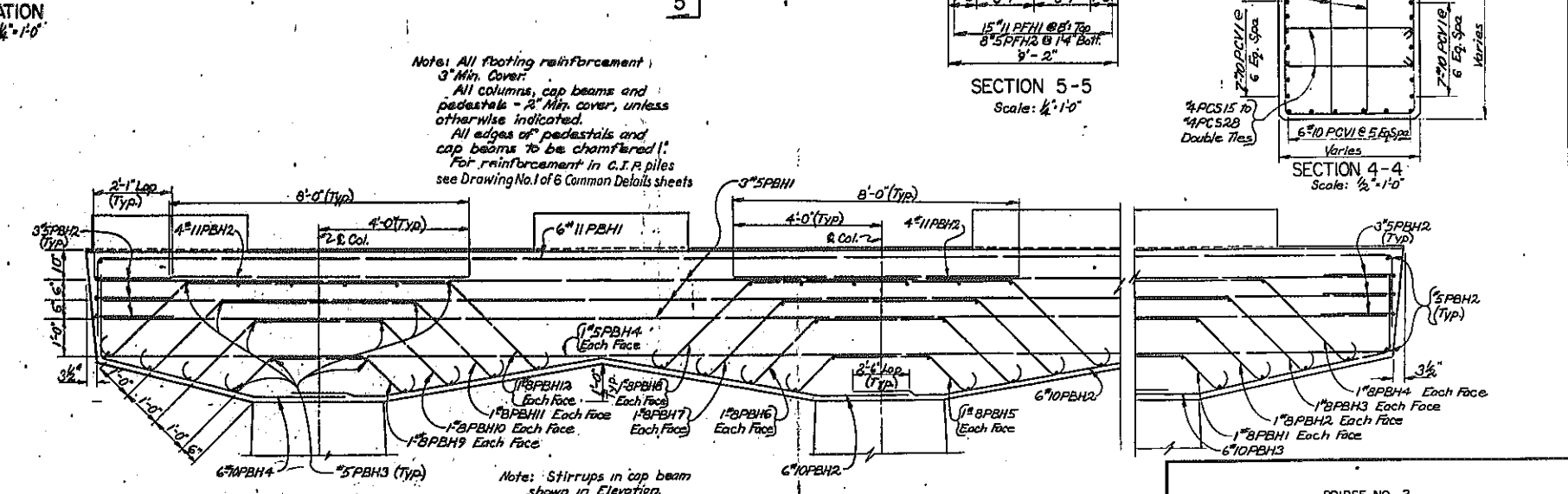
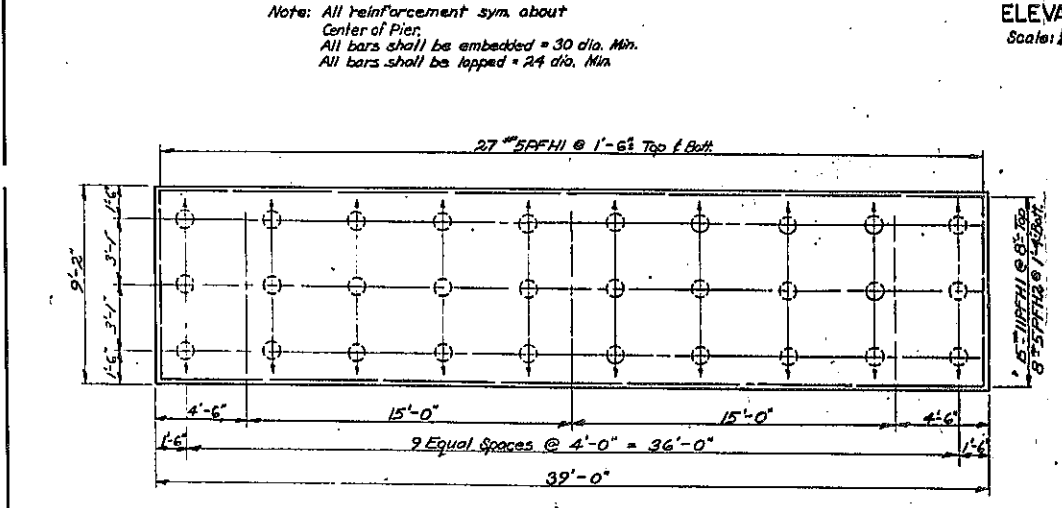
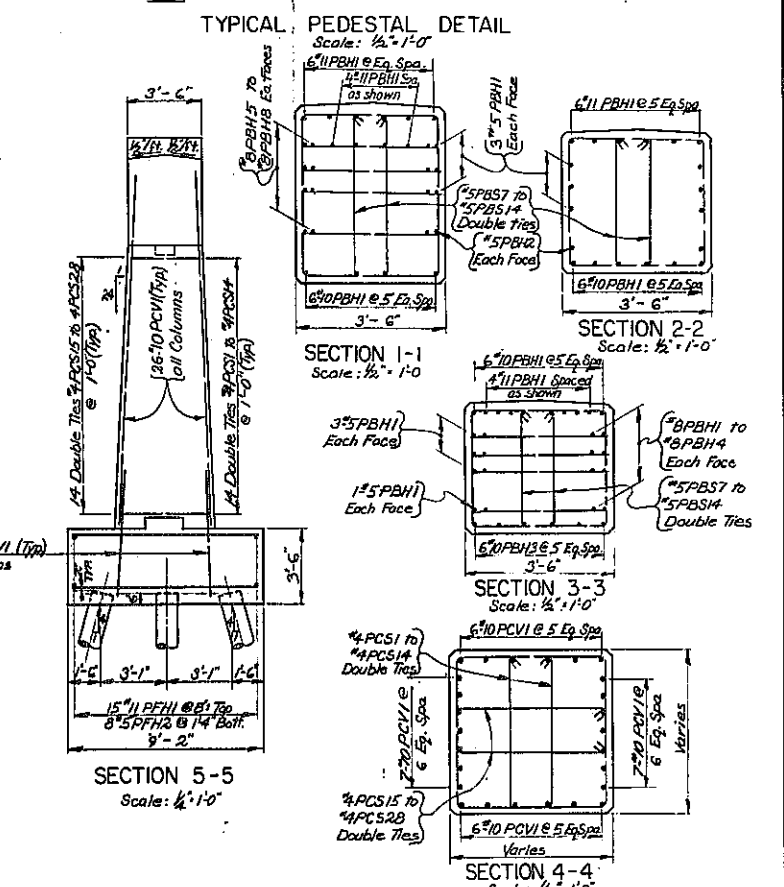
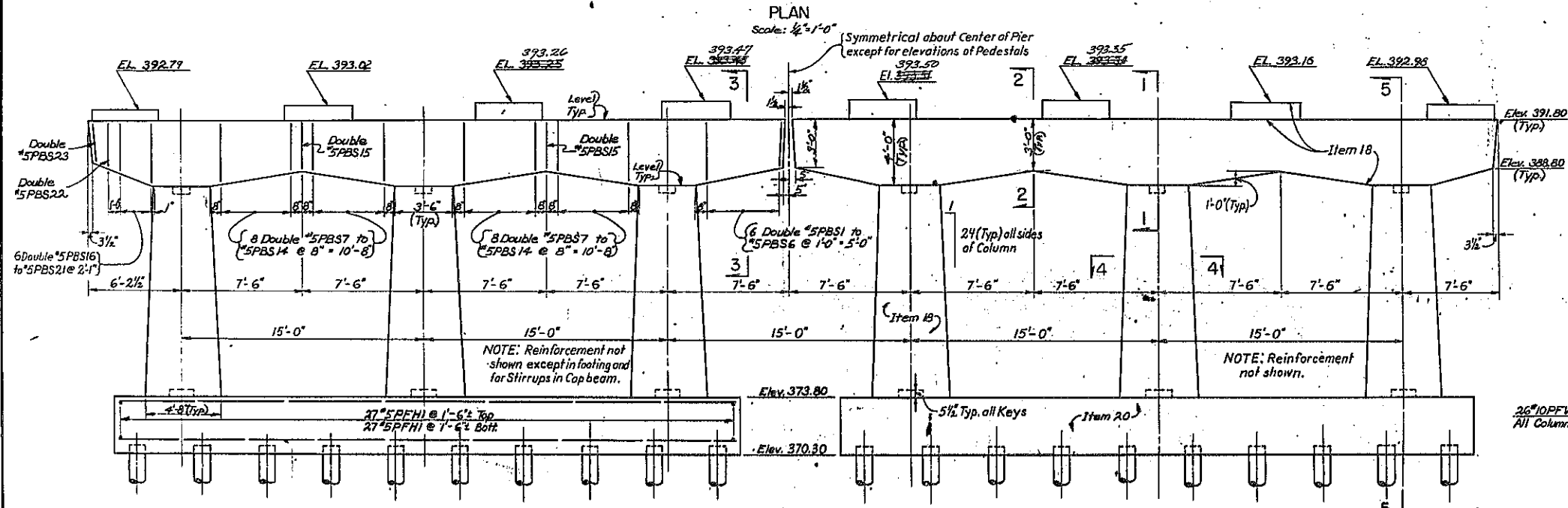
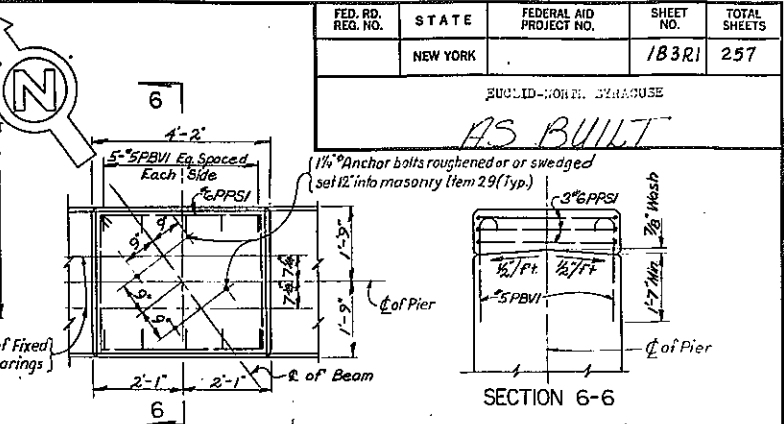
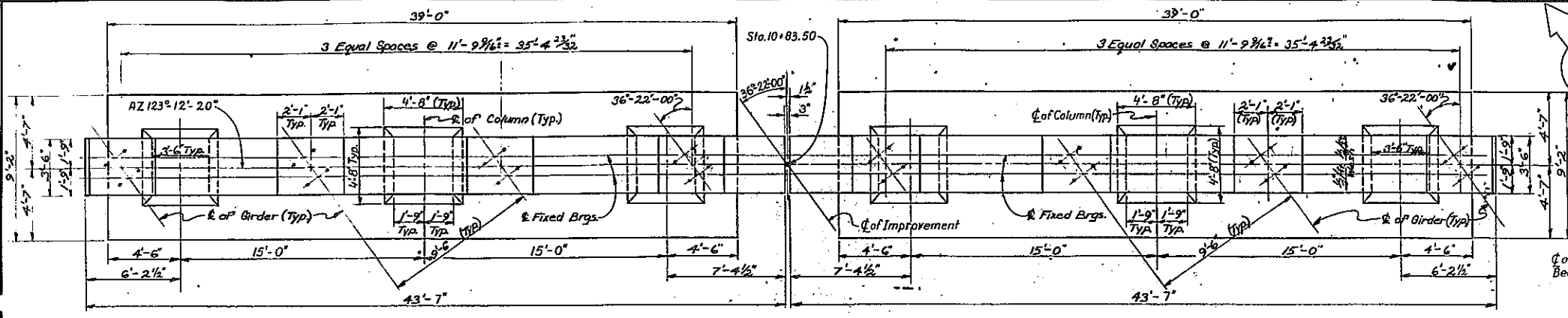
PROJECT ENGINEER: A. Karaluk
 IN CHARGE OF: L.H. Turner
 DESIGNED BY: R.H. Orsney
 DESIGN CHECKED BY: O. Karpis
 DETAILED BY: J.P. Sullivan
 DETAIL CHECKED BY: J.P. Sullivan

Notes: 1) All bends in W.I. pipe will be long radius bends
 2) All indicated slopes on pipe runs will be the min. allowed and the long radius bends will be fabricated to take this slope into account. All costs will be included in the price bid for Item 13 DC.
 3) All joints in W.I. pipe to be welded.

BRIDGE NO. 2
 MORGAN RD. over NEW S.E.,
 EUCLID - NORTH SYRACUSE
 SB 97 + 98.27 + E10 + 43.15 NB 97 + 28.16 + E11 + 23.84
 EXPANSION JOINT DETAILS
 DRAWING NO. 10 OF 16



FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		183R1	257

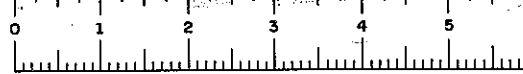


PROJECT ENGINEER A. Korolek
 IN CHARGE OF L.H. Turner
 DESIGNED BY A. Marcel
 DESIGN CHECKED BY F.H. Ordway
 DETAILED BY D. Doyle
 DETAIL CHECKED BY Chaznoff/Mablon

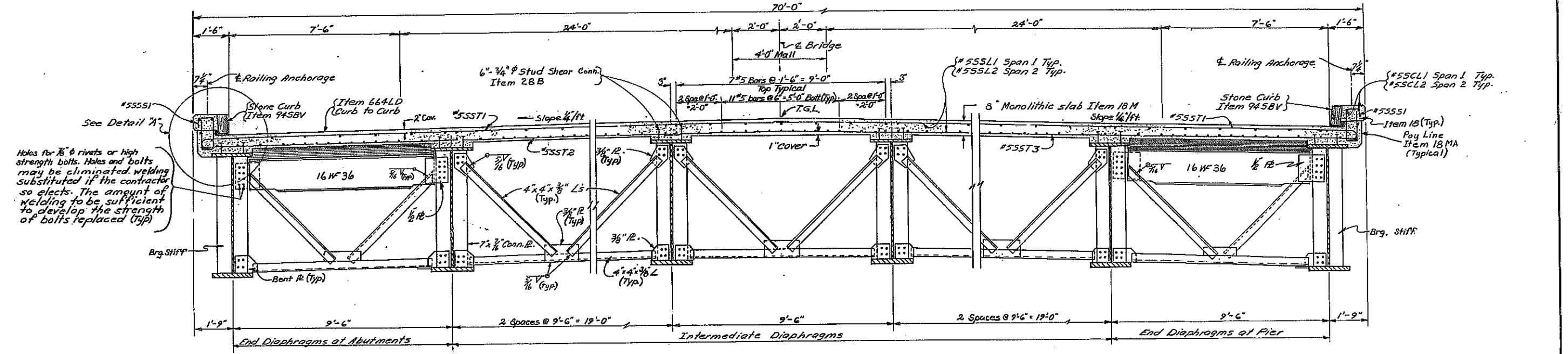
TYPICAL CAP BEAM REINFORCEMENT
 Scale: 1/4" = 1'-0"
 As built revision:
 Altered Br. Pedestal Elevations

NOTE:
 All sections shown on this drawing are typical.

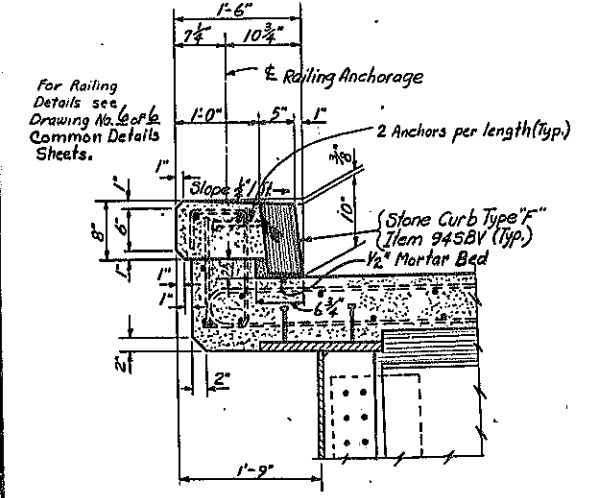
BRIDGE NO. 2
 MORGAN ROAD OVER NEW S.H.
 EUCLID - NORTH SYRACUSE
 SB 97 + 99.27 + E 10 + 43.15 NB 97 + 26.16 + E 11 + 23.64
 PIERS
 DRAWING NO. 11 OF 16



FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		184	257
EUCLID-NORTH SYRACUSE				



TRANSVERSE SECTION
Scale: 1/2" = 1'-0"

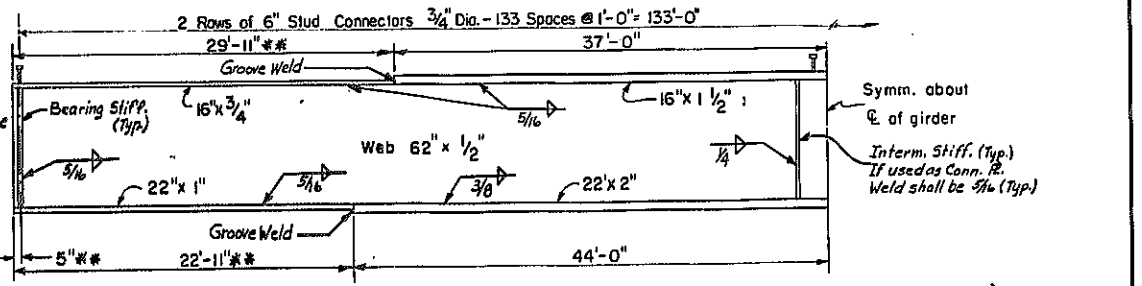


DETAIL "A"
SCALE 1" = 1'-0"

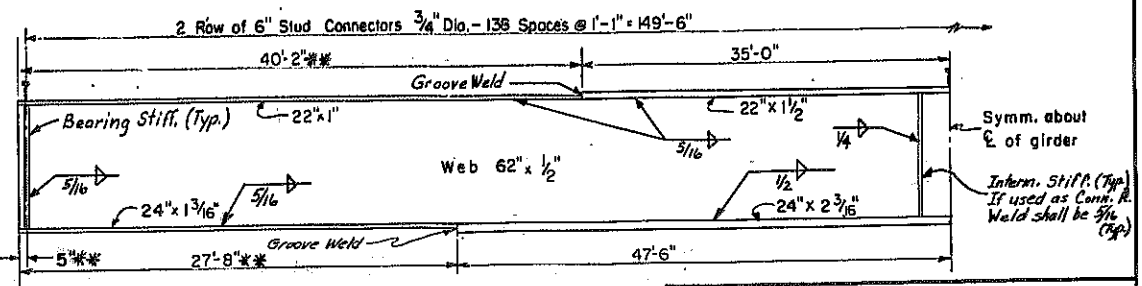
GIRDER	BOTTOM OF SLAB ELEVATIONS (TENTH POINTS)										"N" DIM.	
	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	EN BRGS.		
SPAN 1												
1	399.46	399.53	399.60	399.68	399.77	399.87	400.05	400.12	400.17	400.22	400.26	1.66
2	399.59	399.72	399.85	399.94	400.04	400.13	400.21	400.28	400.34	400.40	400.44	1.47
3	399.72	399.85	399.97	400.08	400.19	400.28	400.36	400.44	400.51	400.57	400.62	1.27
4	399.85	399.98	400.11	400.22	400.33	400.43	400.52	400.60	400.67	400.73	400.79	1.07
5	399.78	399.91	400.04	400.16	400.27	400.38	400.47	400.56	400.63	400.70	400.76	1.07
6	399.50	399.65	399.78	399.90	400.02	400.13	400.23	400.32	400.40	400.47	400.53	1.27
7	399.23	399.37	399.51	399.64	399.76	399.87	399.98	400.07	400.16	400.23	400.30	1.47
8	398.95	399.10	399.24	399.38	399.50	399.62	399.73	399.83	399.92	400.00	400.07	1.66
SPAN 2												
9	400.27	400.30	400.33	400.34	400.34	400.33	400.31	400.28	400.23	400.18	400.12	1.67
10	400.45	400.49	400.51	400.53	400.54	400.53	400.52	400.49	400.44	400.41	400.36	1.47
11	400.62	400.67	400.70	400.72	400.73	400.73	400.72	400.70	400.67	400.63	400.57	1.28
12	400.79	400.84	400.88	400.91	400.93	400.93	400.93	400.91	400.88	400.85	400.80	1.08
13	400.77	400.82	400.87	400.90	400.92	400.93	400.93	400.92	400.90	400.87	400.82	1.08
14	400.54	400.60	400.65	400.69	400.71	400.73	400.74	400.73	400.71	400.68	400.65	1.28
15	400.31	400.38	400.43	400.47	400.51	400.53	400.54	400.54	400.52	400.50	400.47	1.47
16	400.08	400.15	400.21	400.26	400.29	400.32	400.34	400.34	400.33	400.32	400.29	1.67

GIRDER	STEEL	TOT. CONC.	V.C.	TOTAL
G1-G8	1 3/16"	3 3/16"	1 5/16"	6 1/16"
G9-G16	1 1/16"	4 1/16"	1 2/16"	6 9/16"

Note:
For Welding Details and Sizes, See Common Details Dwg. No. 2 of 6.
For Shear Connector Details See Dwg. No. 1 of 6.
For Detail Showing W Dimension See Dwg. No. 3 of 6, Common Details, Hub & Flanges - All Steel Conn. R., Stiffeners, Diaphragms, Brgs. - A36 Steel.



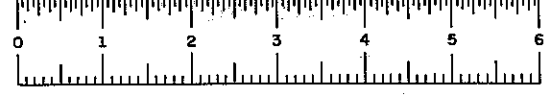
SPAN NO. 1
G-1 THRU G-8
NO SCALE



SPAN NO. 2
G-9 THRU G-16
NO SCALE

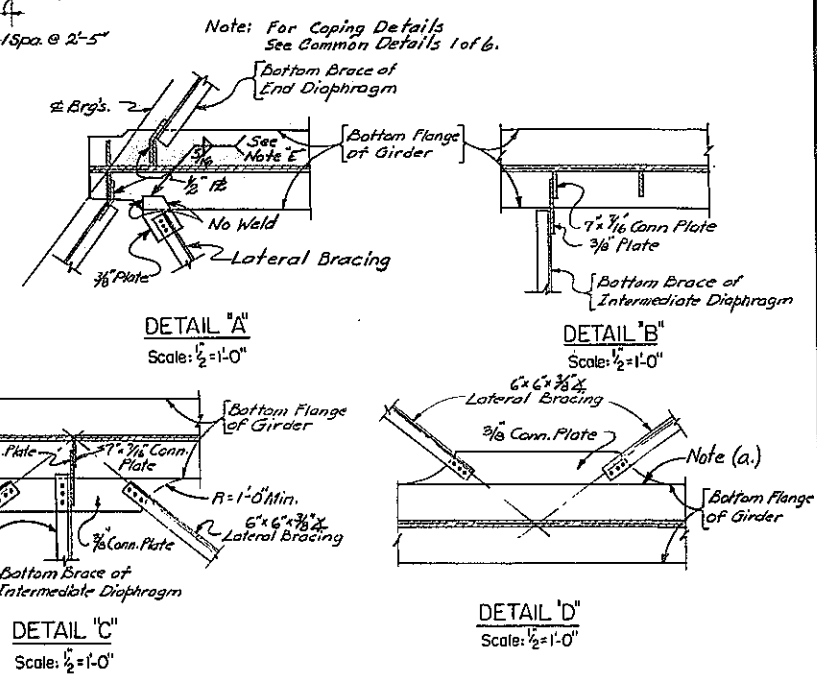
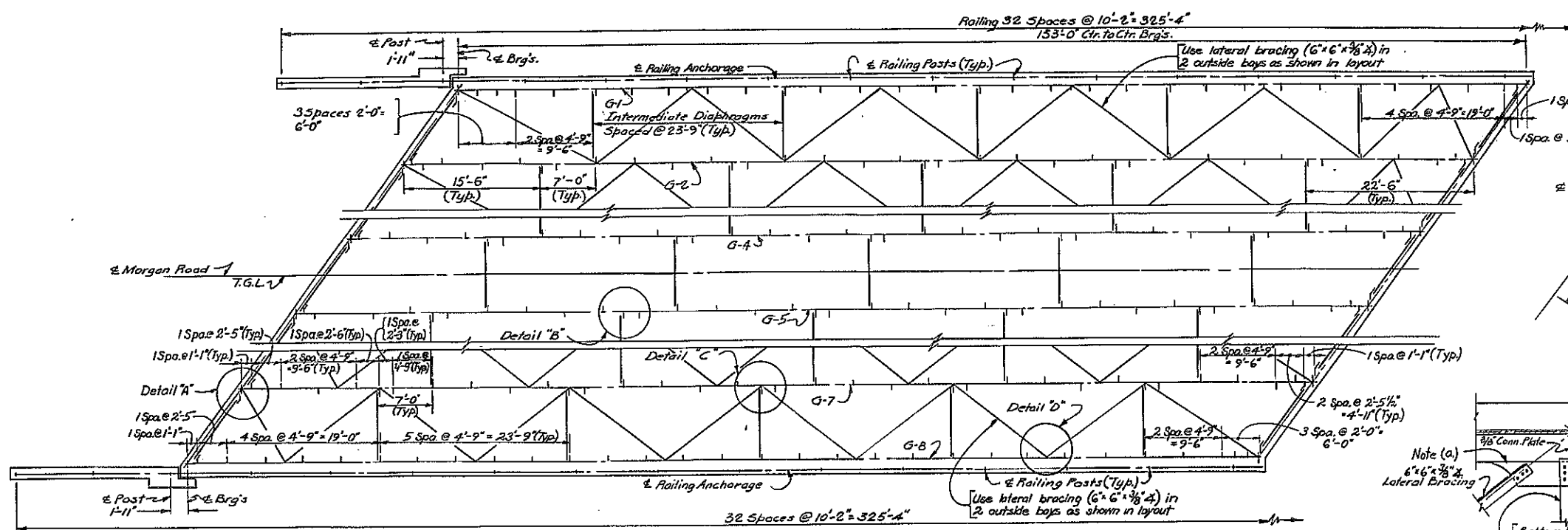
PROJECT ENGINEER A. Korolak
IN CHARGE OF L. N. Turner
DESIGNED BY R. H. Ordway
DESIGN CHECKED BY A. Marsal
DETAILS BY D. Doyle
DETAIL CHECKED BY C. M. Johnson

BRIDGE NO. 2
MORGAN ROAD over NEW S.H.
EUCLID - NORTH SYRACUSE
SB 97+98.27+43.15 NB 97+28.18+11+23.84
SUPERSTRUCTURE (1 OF 3)
DRAWING NO. 12 OF 16



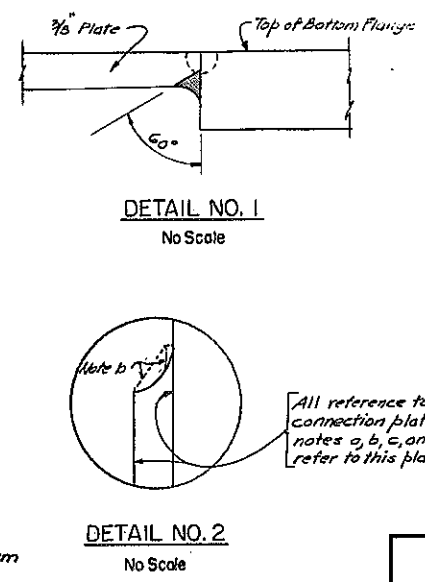
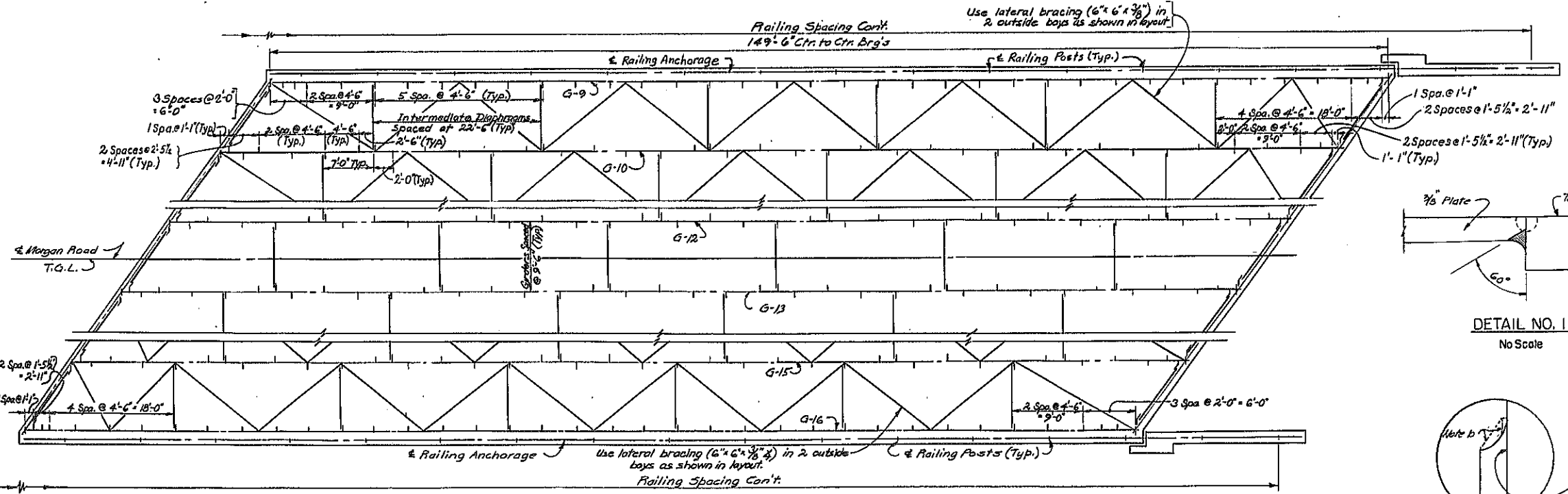
FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		185	257

BUOLID-NORTH SYRACUSE



STIFFENER TABLE

Bearing Stiffener	7" x 1"
Connection Plate	7" x 7/16"
Intermediate Stiff. Span 1	5 1/2" x 3/8"
Intermediate Stiff. Span 2	6" x 3/8"
Bent Conn. Plates	7" x 1/2"



NOTES:

- The connection plate shall be prepared and welded as a single bevel groove weld as shown in Detail #1. It shall then be Air Carbon-Arc gouged from the second side into sound weld metal and then welded as detailed. All welding shall be in the flat or "downhand" position.
- The plate may be of any shape that will provide after welding, cutting, and finish grinding a smooth transition from the flange edge at a minimum radius of 12 inches.
- Both the connection plate and flange are to be the same type of steel.
- Field welding to the connection plate will not be permitted.

Note "E"
Care shall be taken when welding connection plates to the flanges of plate girders, especially at the start and end of the fillet welds, to insure complete fusion at the root and that weld craters are properly filled. The materials to be welded shall be preheated to a minimum of 250°F.

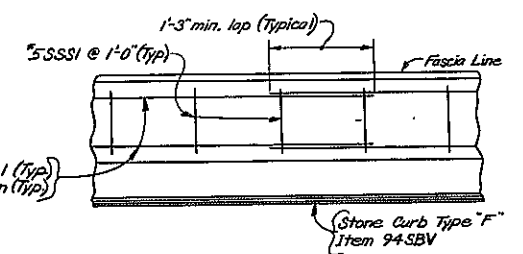
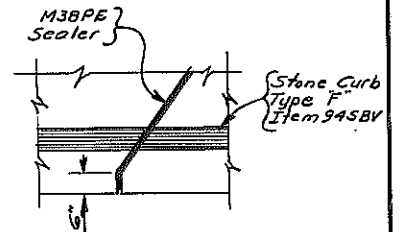
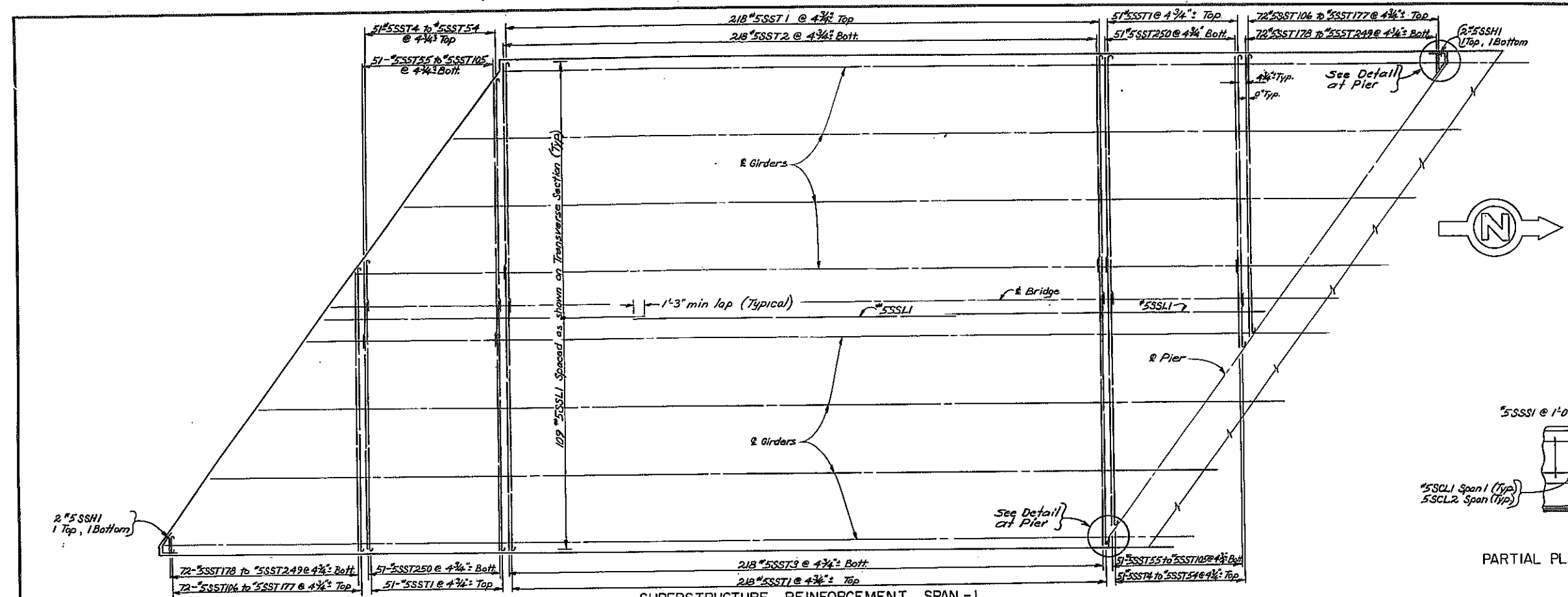
PROJECT ENGINEER A. Karolak
 IN CHARGE OF L. H. Turner
 DESIGNED BY R. H. Ordway
 DESIGN CHECKED BY A. Marcel
 DETAILED BY R. H. Ordway
 DETAIL CHECKED BY R. H. Ordway

BRIDGE NO. 2
 MORGAN ROAD over NEW S.H.
 BUOLID - NORTH SYRACUSE
 SB 97+ 98.27 + E 10 + 43.15 NB 97+ 28.16 + E 11 + 23.84
SUPERSTRUCTURE (2 OF 3)
 DRAWING NO. 13 OF 16

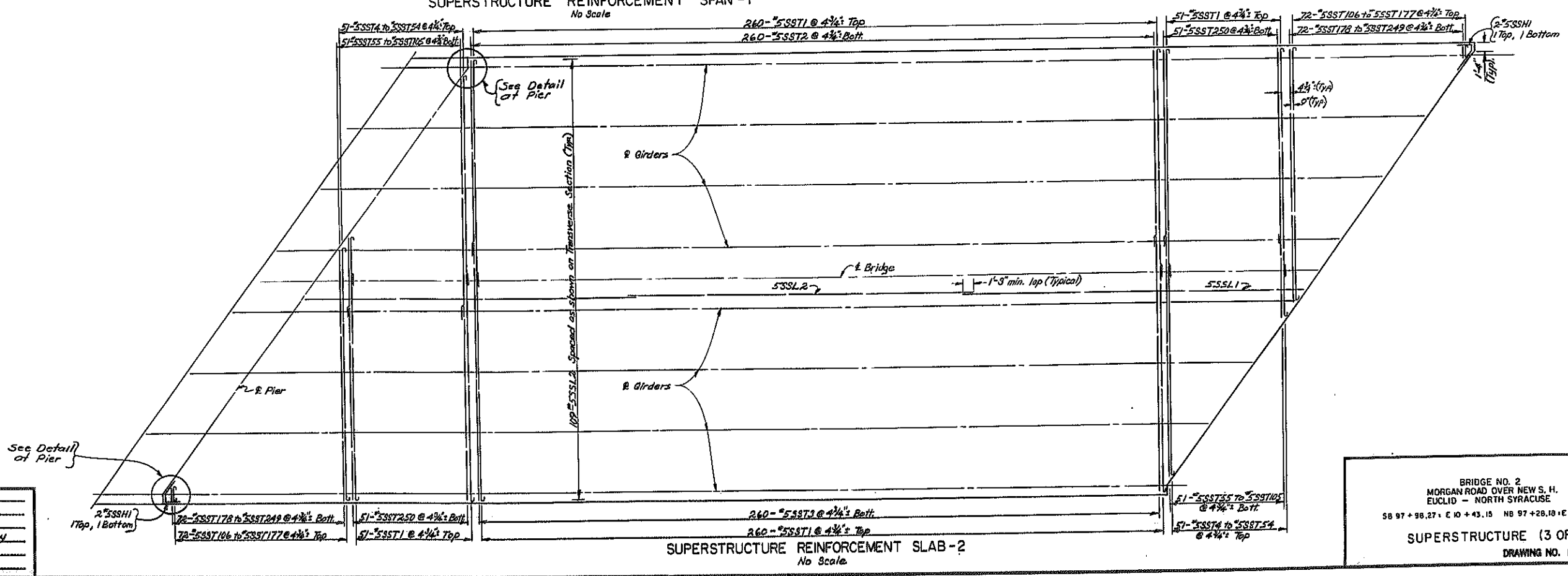


FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		186	257

EUCLID-NORTH SYRACUSE



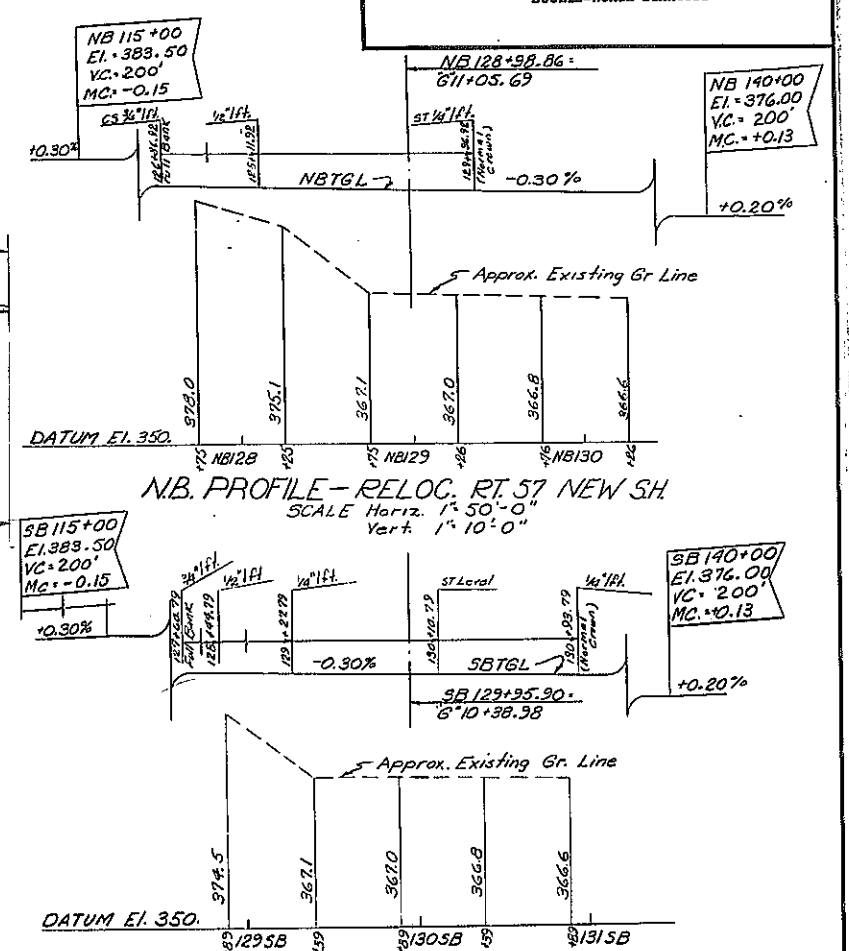
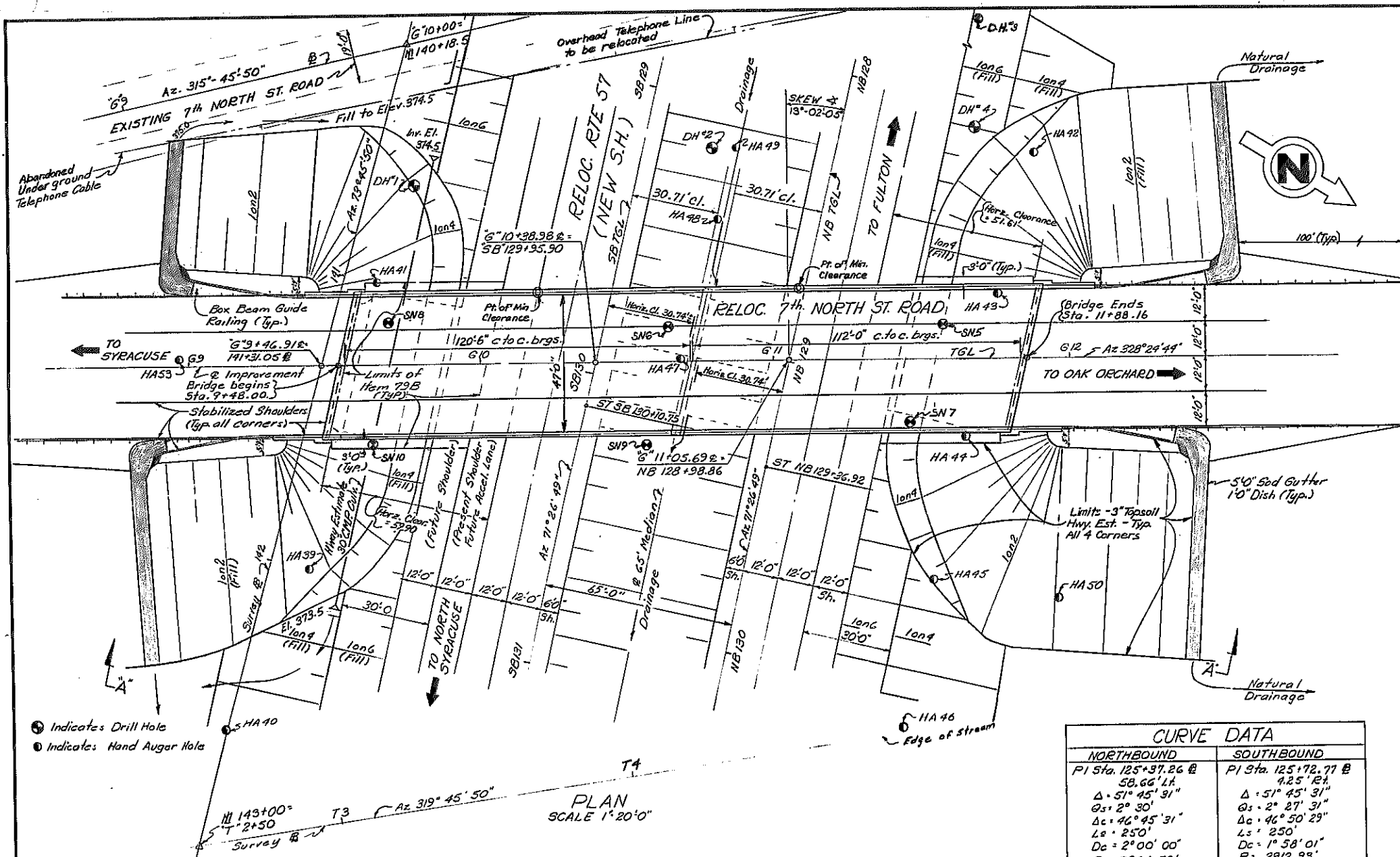
PARTIAL PLAN TOP OF SAFETYWALK REINFORCEMENT
Scale: 1" = 1'-0"



PROJECT ENGINEER A. Karolak
 IN CHARGE OF L.H. Turner
 DESIGNED BY A. Marsel
 DESIGN CHECKED BY R.H. Ordway
 DETAILED BY D. Doyle
 DETAIL CHECKED BY K. Johnson

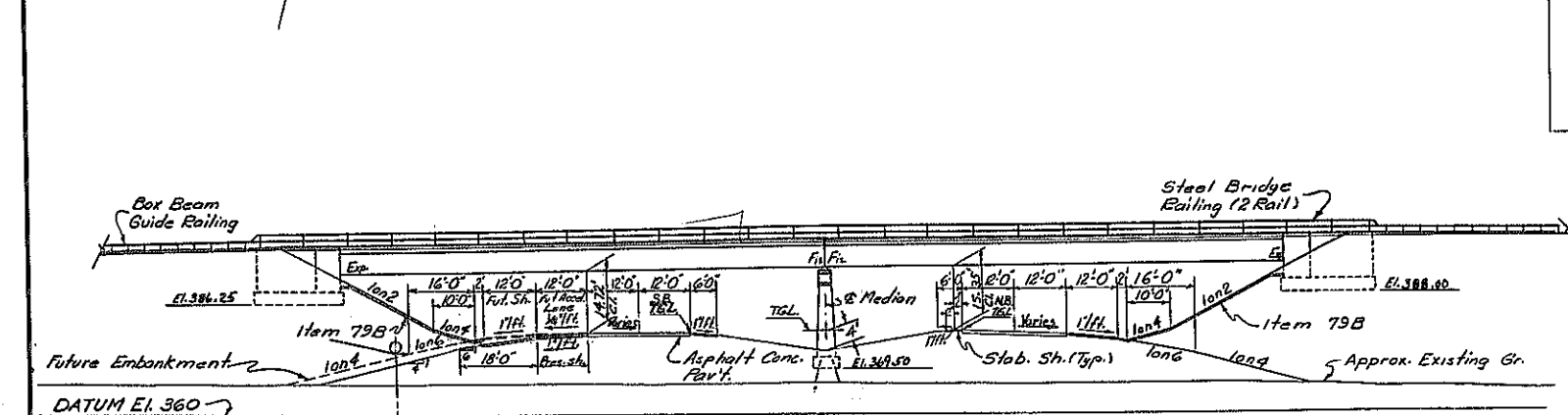
BRIDGE NO. 2
 MORGAN ROAD OVER NEW S. H.
 EUCLID - NORTH SYRACUSE
 SB 97 + 96.27 ± E 10 + 43.15 NB 97 + 28.10 ± E 11 + 23.84
 SUPERSTRUCTURE (3 OF 3)
 DRAWING NO. 14 OF 16

FED. RD. RES. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		189	251
EUCLID-NORTH SYRACUSE				



CURVE DATA	
NORTHBOUND	SOUTHBOUND
PI Sta. 125+37.26 @	PI Sta. 125+72.77 @
58.66' L _A	42.5' L _A
Δ = 51° 45' 31"	Δ = 51° 45' 31"
θ _s = 2° 30'	θ _s = 2° 27' 31"
Δc = 46° 45' 31"	Δc = 46° 50' 29"
L _s = 250'	L _s = 250'
Dc = 2° 00' 00"	Dc = 1° 58' 01"
R = 2864.78'	R = 2912.93'
Lc = 2337.93'	Lc = 2381.42'
Ts = 1515.21'	Ts = 1538.57'
Xc = 249.97'	Xc = 249.97'
Yc = 3.63'	Yc = 3.57'
E _s = 320.31'	E _s = 325.67'
Max. Bank = 3/4" ft.	Max. Bank = 3/4" ft.

NOTE:
For notes and common details see common detail sheets 1 thru 6.



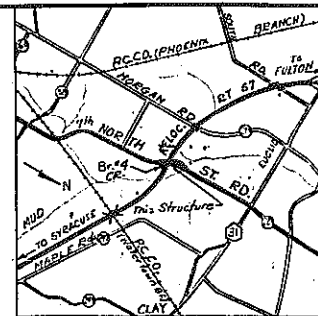
PROJECT ENGINEER A. Karolak
 IN CHARGE OF L.H. Turner
 DESIGNED BY J.M. Turner
 DESIGN CHECKED BY R. H. Perry
 DETAILED BY [Signature]
 SUPERVISED BY [Signature]

BRIDGE NO. 4
 RELOC. 7th NORTH ST. RD. over NEW S.H.
 EUCLID - NORTH SYRACUSE
 NB 128+98.86+G11+05.69 SB 129+95.90+G10+38.98

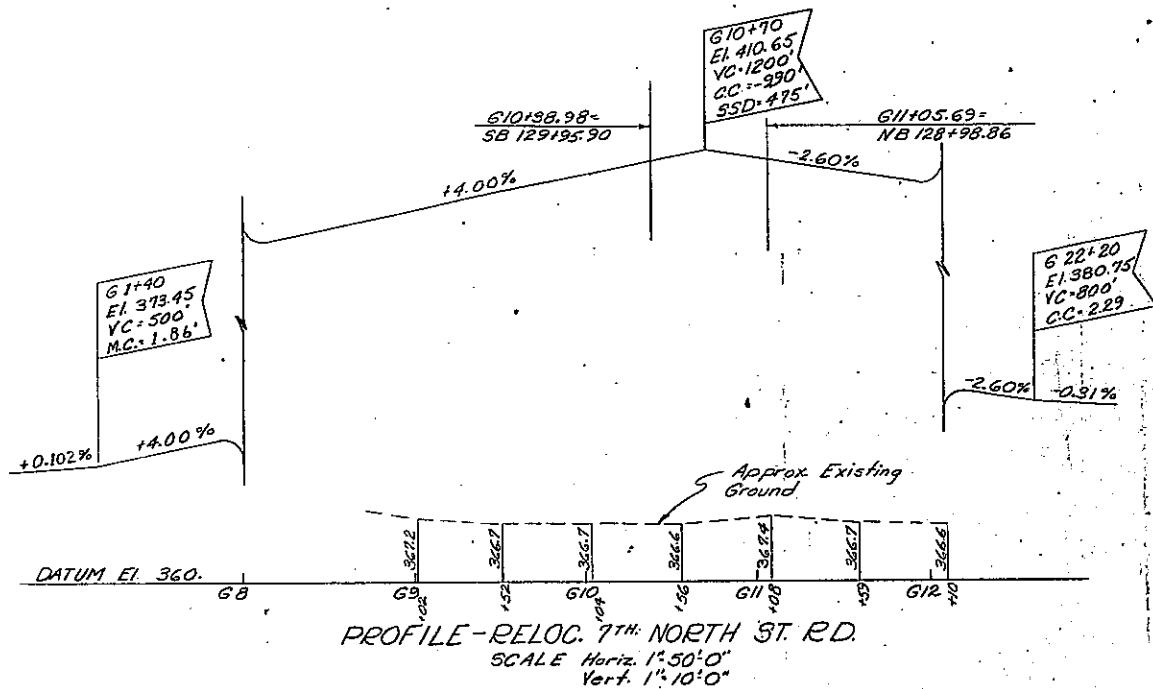
PLAN & PROFILE (1 OF 2)
 DRAWING NO. 1 OF 15

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		190 B	257
EUCLID-NORTH S. RACUSE				

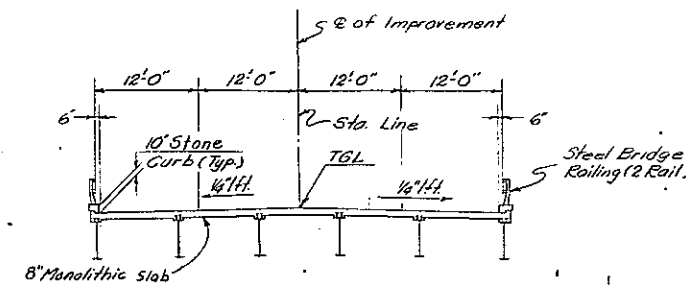
AS BUILT



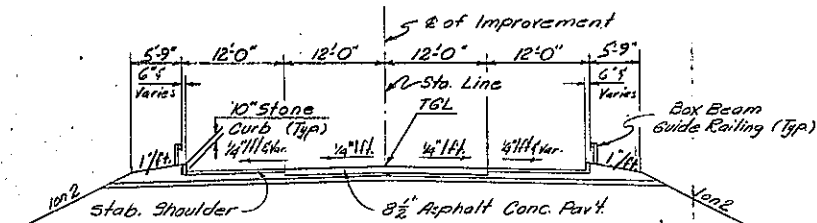
LOCATION MAP
SCALE 1"=1 Mile



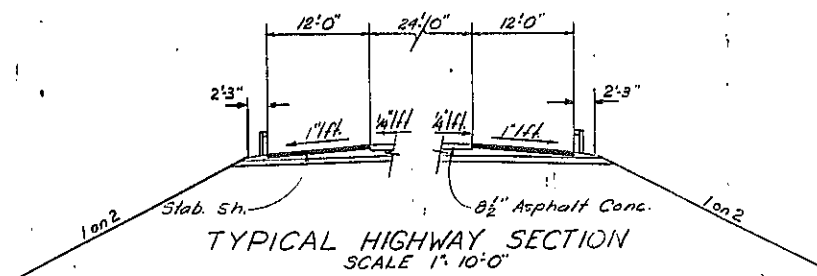
PROFILE-RELOC. 7th NORTH ST. RD.
SCALE Horiz. 1"=50' 0"
Vert. 1"=10' 0"



TYPICAL BRIDGE SECTION
SCALE 1"=10' 0"



TYPICAL APPROACH SECTION
SCALE 1"=10' 0"



TYPICAL HIGHWAY SECTION
SCALE 1"=10' 0"

ESTIMATE OF QUANTITIES					
ITEM	DESCRIPTION	UNIT	NEAT	PROP.	FINAL
2EF-B	Selected Granular Fill	C.Y.	605	610	447.3
2VJ-0	Selected Fill (Bridge Foundations)	C.Y.	11934	11940	12,658.9
2UF	Underdrain Filter	C.Y.	10	10	8.2
5B	Structure Excavation	C.Y.	767	770	790.4
11H-6	Perforated Corrugated Metal Pipe Underdrain 6" Ø	L.F.	164	170	164.5
1B	Class "A" Concrete For Structures	C.Y.	68	70	67.95
1BMA	Class "A" Concrete For Structures (Monolithic)	S.F.	11,842	11,900	11,878.6
20	Class B Concrete For Structures	C.Y.	286	290	283.19
24A	Bagged Screened Aggregate	C.Y.	40	40	30.59
28	Bar Reinforcement For Structures	Lb.	138,765	138,800	134,965
28B	Stud Shear Connectors	Ea.	3,072	3,080	3,084
29	Structural Steel	Lb.	381,666	381,700	381,089
37S(2)	Steel Bridge Railing (2 Rail)	L.F.	538	540	543.82
61	Bituminous Material	Gal.	56	60	58.4
79B	Concrete Block Paving	S.Y.	578	580	564.75
83TXS	Temporary Sheet Piling	S.F.	3,014	3,020	0
85C	Cast in Place Concrete Piles	L.F.	1,650	1,650	13,586
B7	Furnishing Equipment For Driving Piles	L.S.	NEC.	NEC.	25%
94SBV	Stone Curb (Bridge Types)	L.F.	700	700	698.7
124	Sodding	S.Y.	157	160	
363I	Epoxy Protective Coating For Concrete	S.F.	14,666	14,700	14,35
664LD	Linseed Oil	Gal.	54	60	0

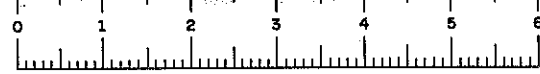
* ITEM 29			
	NEAT	PROP.	FINAL
A36	54,585	54,600	
A441	327,081	327,100	

PROJECT ENGINEER D. Karaluk
 IN CHARGE OF L. H. Turner
 DESIGNED BY L. H. Turner
 DESIGN CHECKED BY R. M. Perry
 DETAILED BY W. J. ...
 DETAIL CHECKED BY A. E. ...

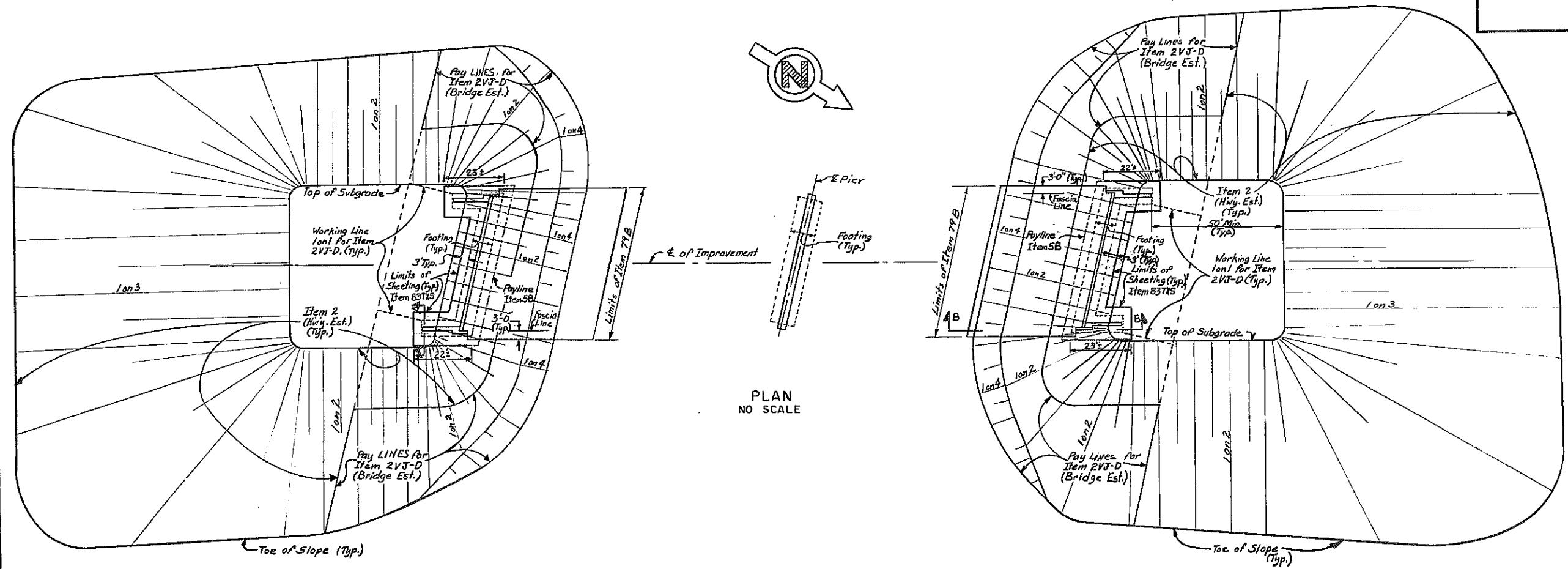
As Built Revision:
Final Quantities Shown

BRIDGE NO. 4
 RELOC. 7th NORTH ST. RD. over NEW S.H.
 EUCLID - NORTH SYRACUSE
 NB 128+98.86+G11+05.69 SB 129+95.90+G10+38.98

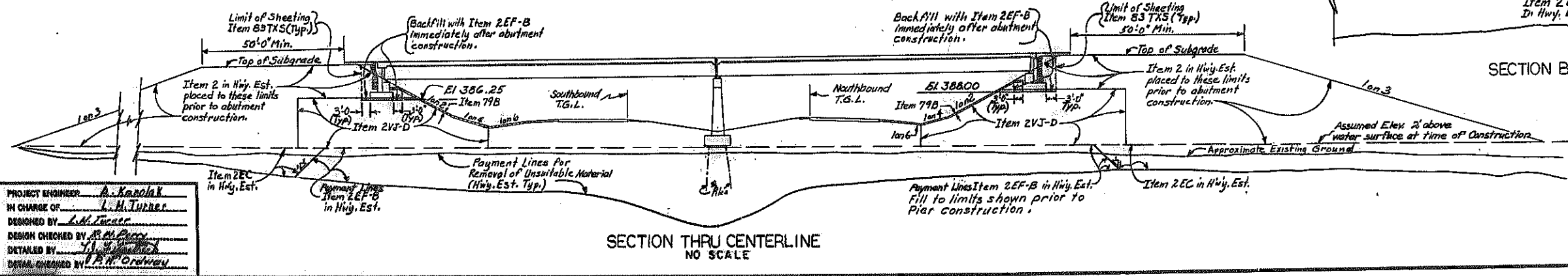
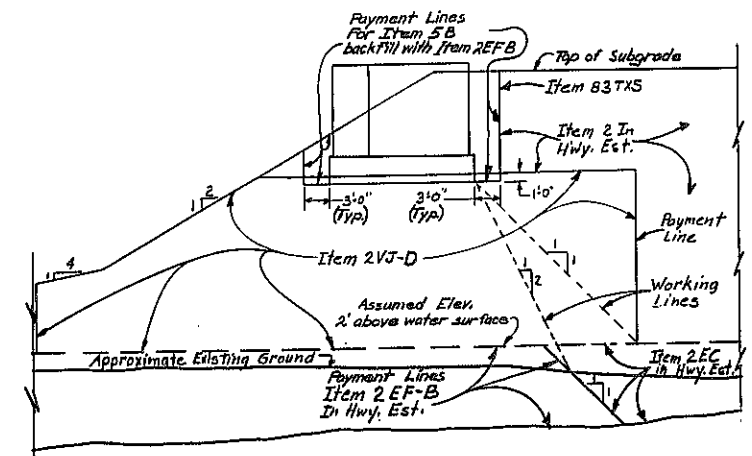
PLAN & PROFILE (2 OF 2)
 DRAWING NO. 2 OF 15



FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		191	257
EUCLID-NORTH SYRACUSE				



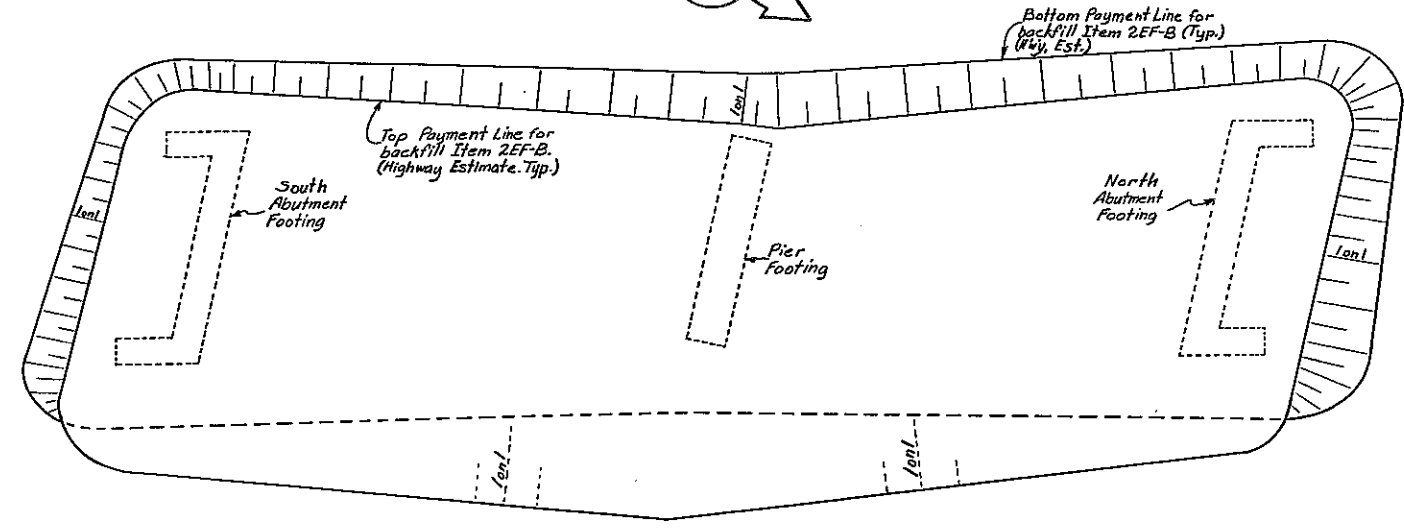
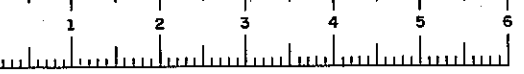
Note: For Section A-A see Drawing No. 4 of 15.



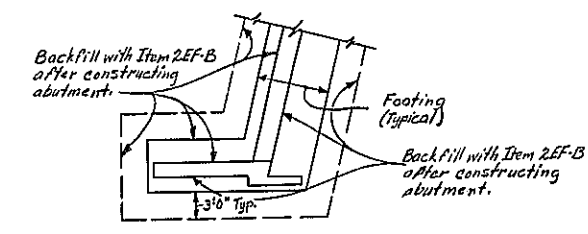
PROJECT ENGINEER: A. Karolak
 IN CHARGE OF: L. M. Turner
 DESIGNED BY: L. M. Turner
 DESIGN CHECKED BY: A. H. Perry
 DETAILED BY: J. J. ...
 DETAIL CHECKED BY: P. R. Ordway

BRIDGE NO. 4
 RELOC. 7th NORTH ST. RD. over NEW S.H.
 EUCLID - NORTH SYRACUSE
 NB 128+96.85+G11+05.69 SB 128+95.90+G10+38.50
 EXCAVATION & EMBANKMENT (1 OF 2)
 DRAWING NO. 3 OF 15

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		192	257
EUCLID-NORTH SYRACUSE				



PLAN OF BACKFILL ITEM 2EF-B AFTER REMOVAL OF UNSUITABLE MATERIAL HIGHWAY ESTIMATE NO SCALE



PARTIAL PLAN TO SHOW BACKFILL NO SCALE

NOTES

All sod, topsoil and unsuitable material under the substructure embankment shall be removed as specified under the General Excavation Specifications and replaced by the same item as the layer of embankment adjacent and above as shown on the plans.

All embankments of Selected Granular Fill, Item 2EF-B and Selected Fill (Bridge Foundation) Item 2VJ-D, shall be compacted to a minimum dry density of 100% of Maximum Density as defined under "h. Embankments" of the General Excavation Specifications.

- 1). However, where the material contains more than 30%, by weight, of particles retained on the 3/4 inch sieve, a minimum dry density of 95% of the Maximum Density will be required.

The Contractor shall place and compact all fill for bridges between the final toes of slopes in accordance with the plans and specifications in a manner satisfactory to the Deputy Chief Engineer (Design).

- 1). The embankment constructed to the required grade shall be allowed to stand a minimum of 14 days or for a period of time as determined by the Deputy Chief Engineer (Design) prior to any substructure construction.

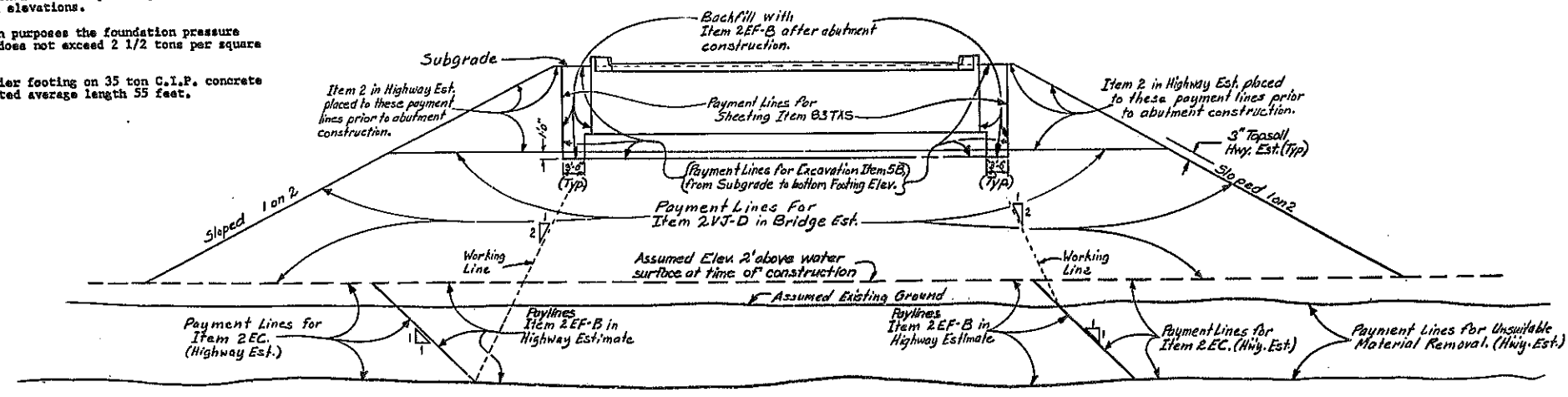
Items 2 and 2VJ-D shall be placed simultaneously, in contact, on both sides of the vertical payment line. Sheeting or other means shall not be used to separate the two materials.

The installation of Selected Fill, Item 2EF-B, as shown on the structural plans, shall be completed immediately following the completion of abutments or walls.

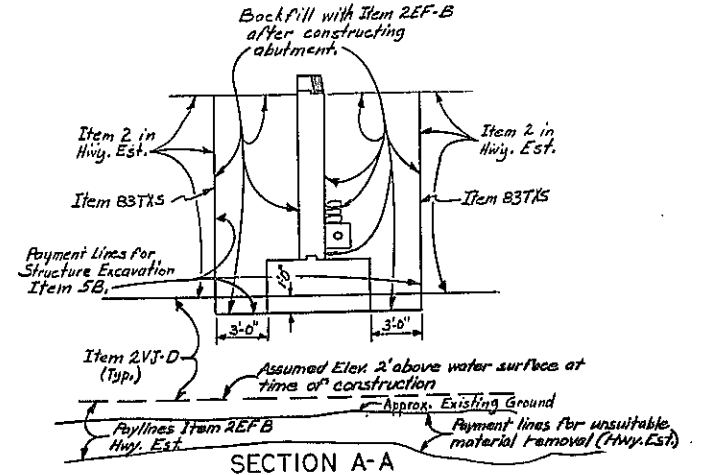
Complete backfill behind abutments to subgrade, wait an additional two week period prior to setting final pedestal elevations.

For design purposes the foundation pressure for abutments does not exceed 2 1/2 tons per square foot.

Support pier footing on 35 ton C.I.P. concrete piles. Estimated average length 55 feet.



SECTION THRU SOUTH ABUTMENT LOOKING SOUTH NORTH ABUTMENT SIMILAR NO SCALE



SECTION A-A NO SCALE

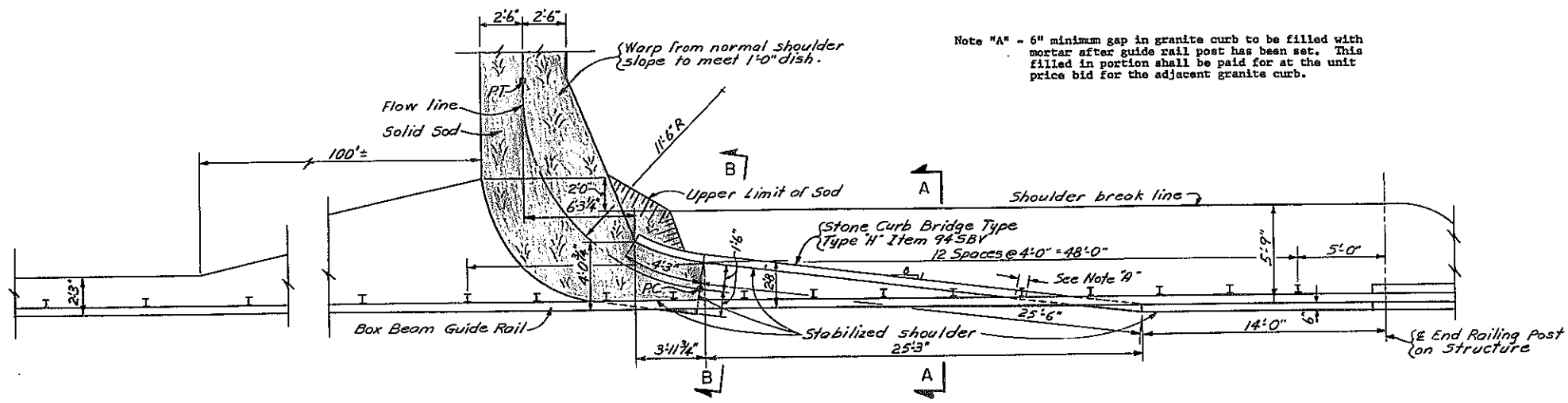
PROJECT ENGINEER A. Karaluk
 IN CHARGE OF L. Turner
 DESIGNED BY L. Turner
 DESIGN CHECKED BY R. M. Perry
 DETAILED BY A. J. [unclear]
 DRAWN CHECKED BY R. H. Ordway

BRIDGE NO. 4
 RELOC. 7th NORTH ST. RD OVER NEW S.R.
 EUCLID - NORTH SYRACUSE
 NB 128 + 98.86 + 011 + 09.69 SB 129 + 95.80 + 010 + 38.98

EXCAVATION & EMBANKMENT (2 OF 2)
 DRAWING NO. 4 OF 15

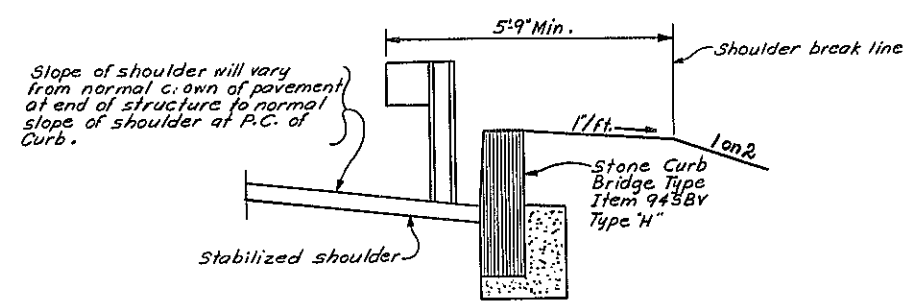


FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		193	257
EUGLID-NORTH SYRACUSE				

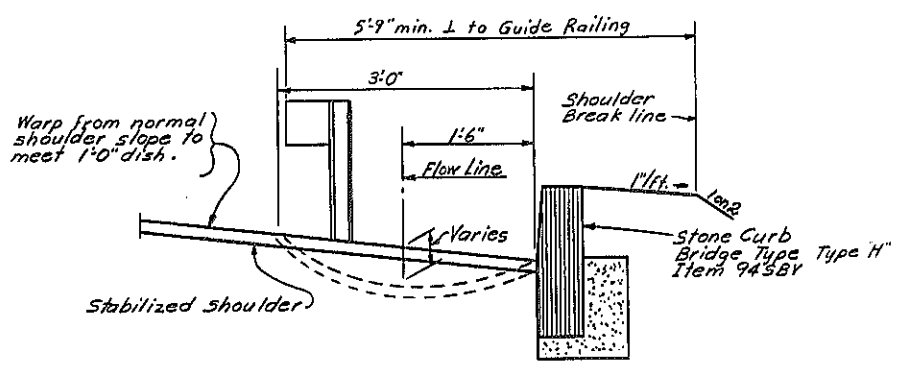


Note "A" - 6" minimum gap in granite curb to be filled with mortar after guide rail post has been set. This filled in portion shall be paid for at the unit price bid for the adjacent granite curb.

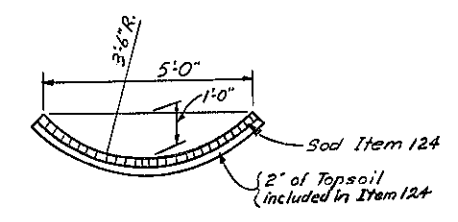
SOUTHWEST CORNER
(NORTHWEST, NORTHEAST, SOUTHEAST CORNERS SIMILAR)
NO SCALE



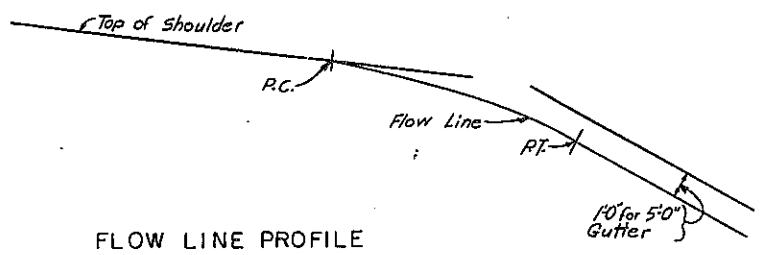
SECTION A-A
NO SCALE



SECTION B-B
NO SCALE



SECTION THRU GUTTER
NO SCALE



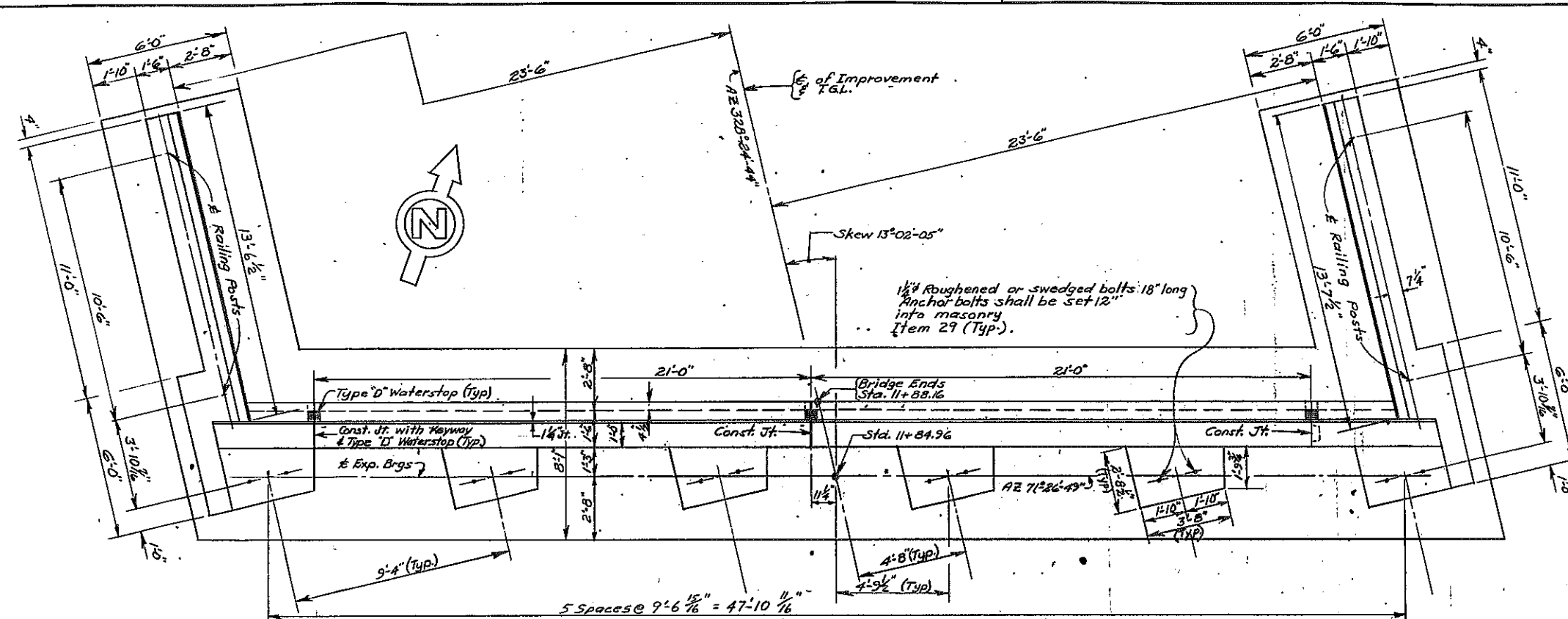
FLOW LINE PROFILE
NO SCALE

PROJECT ENGINEER A. Karolok
IN CHARGE OF L.H. Turner
DESIGNED BY L.H. Turner
DESIGN CHECKED BY R.M. Perry
DETAILED BY R.M. Perry
DRAWING CHECKED BY R.M. Perry

BRIDGE NO. 4
RELOC. 7th NORTH ST. RD. OVER NEW S.H.
EUGLID - NORTH SYRACUSE
NS 128+98.86+G11+05.69 SB 129+95.90+G10+38.98
DRAINAGE
DRAWING NO. 5 OF 15

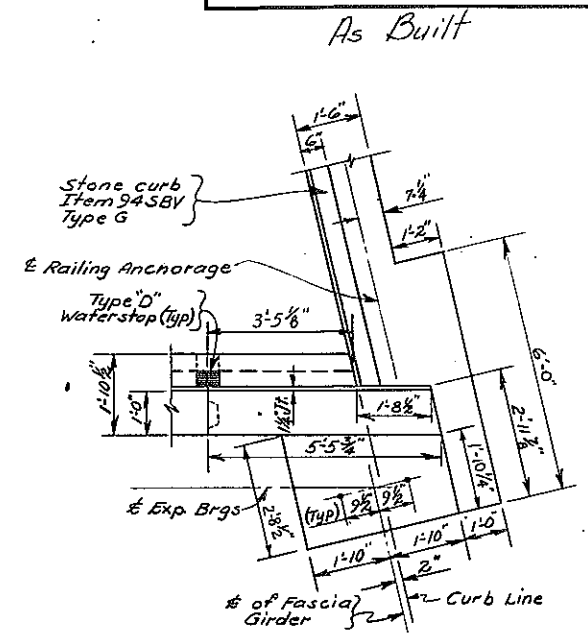
FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		194B1	257

EUCLID-NORTH SYRACUSE

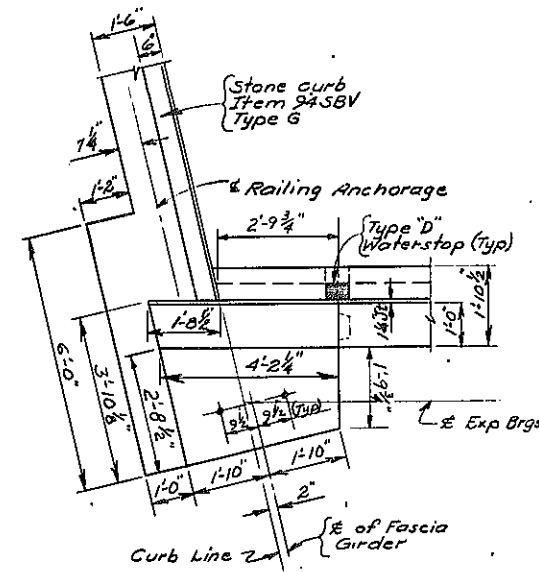


PLAN Scale: 3/8" = 1'-0"

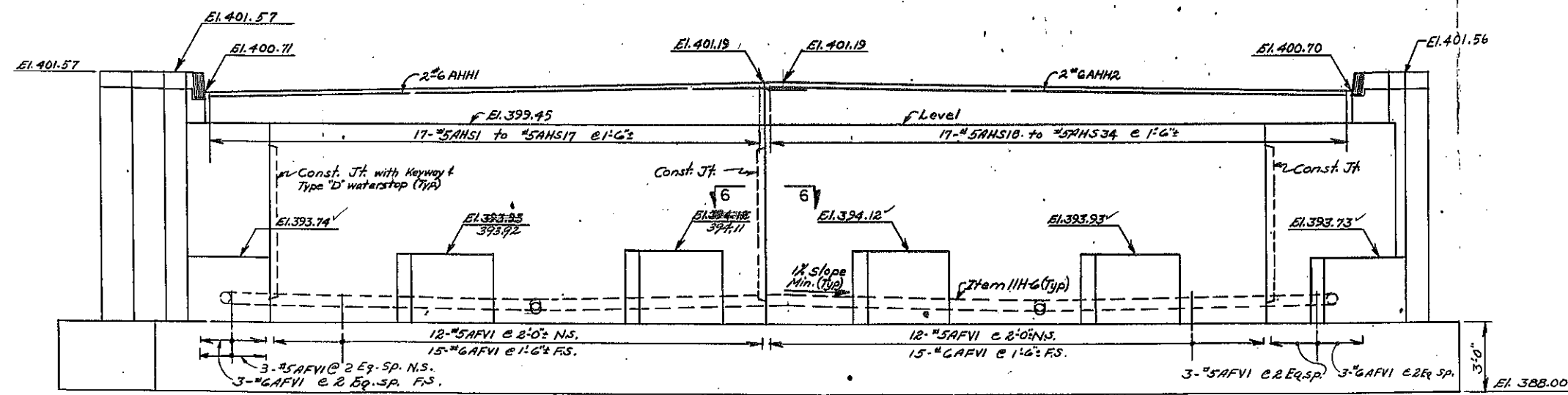
Note: After completion of backfill behind abutment, wait an additional two (2) week period prior to setting final pedestal elevations.



NORTHEAST CORNER DETAIL Scale: 1/2" = 1'-0"



NORTHWEST CORNER DETAIL Scale: 1/2" = 1'-0"



ELEVATION Scale: 3/8" = 1'-0"

Note: For Details of Keyways & waterstops see common detail drawings.

As Built Revision: Altered Br. Pedestal Elevations

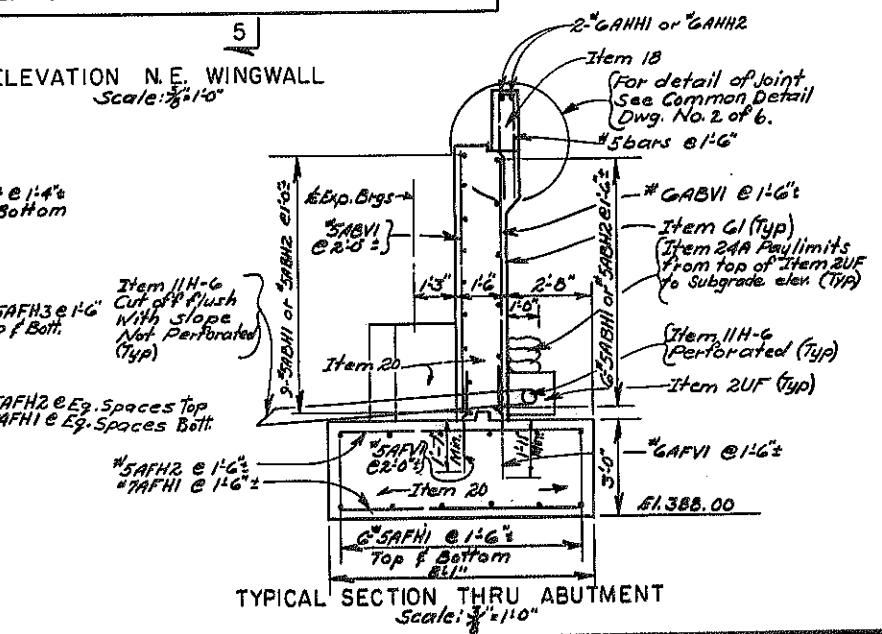
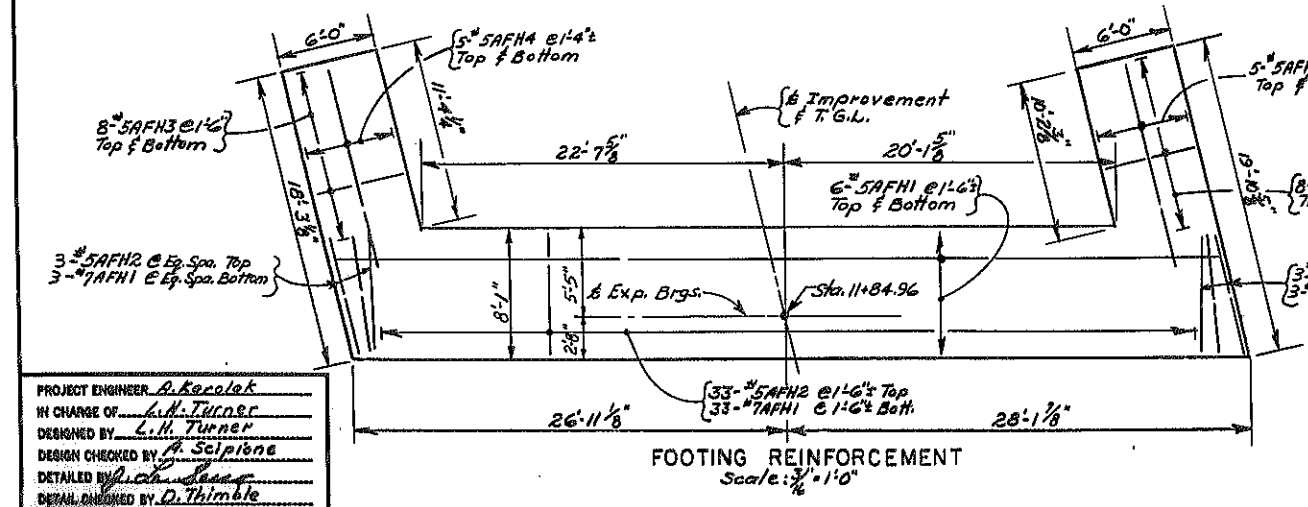
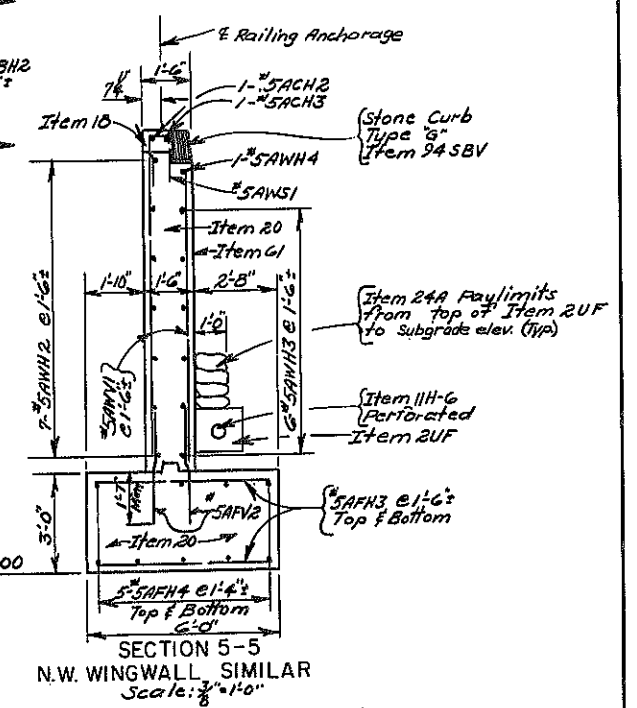
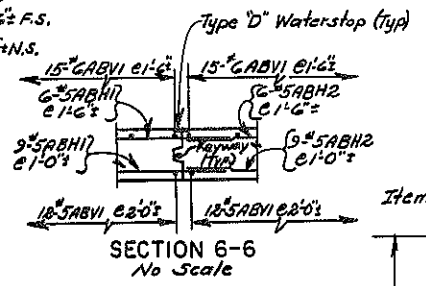
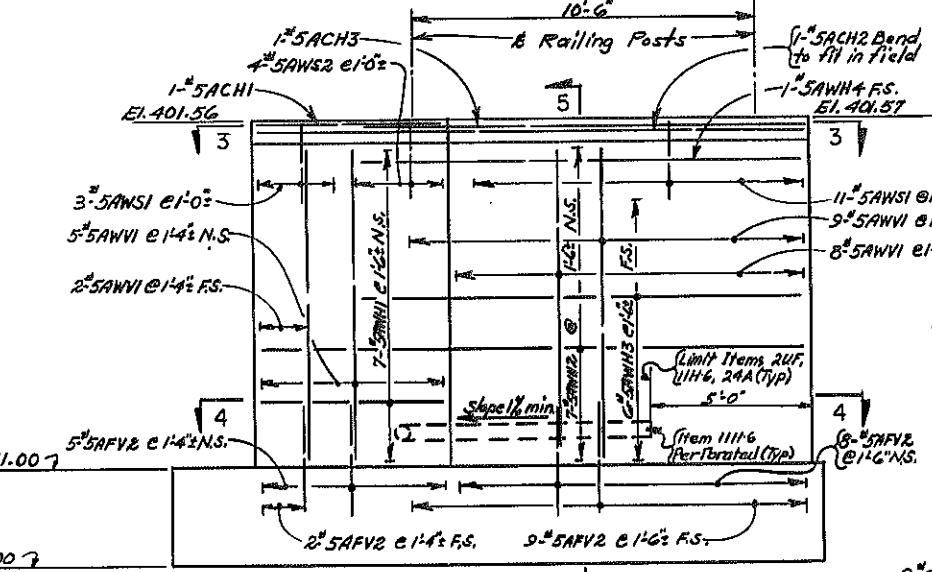
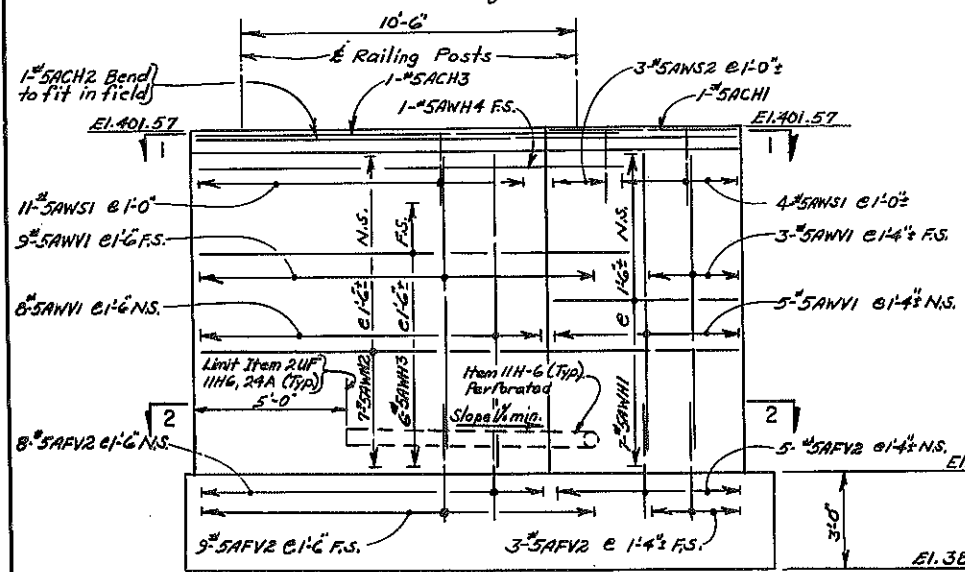
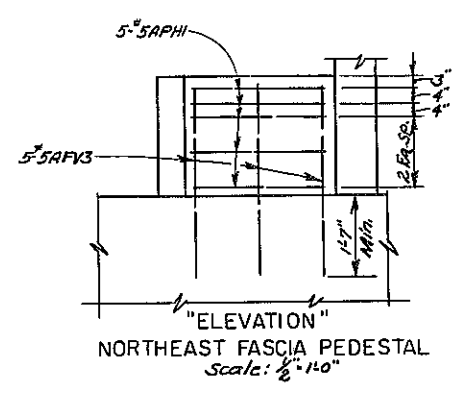
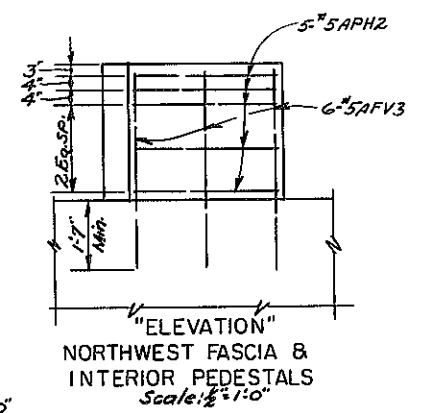
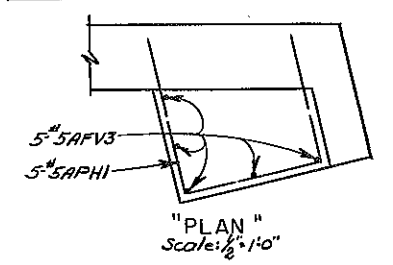
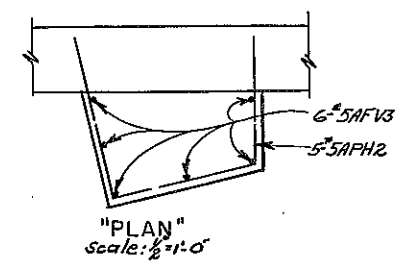
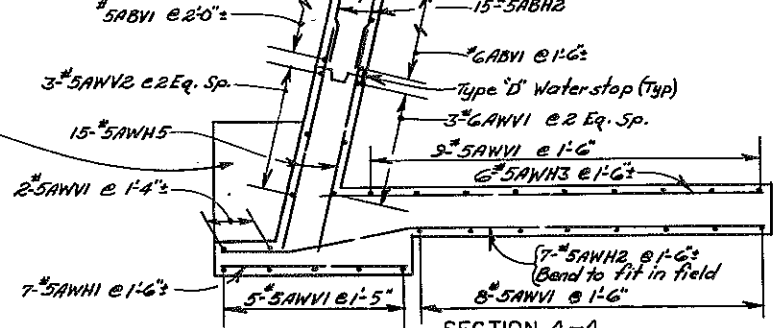
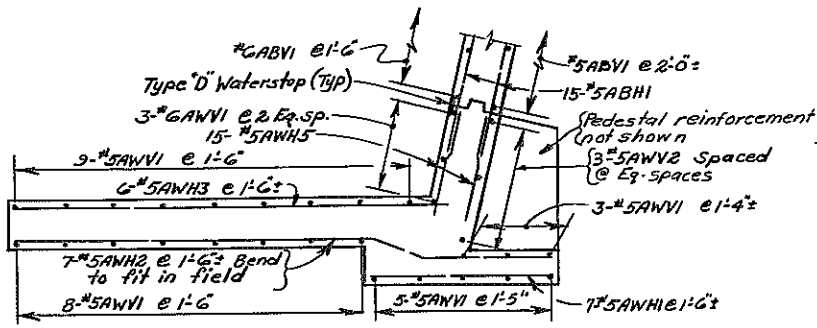
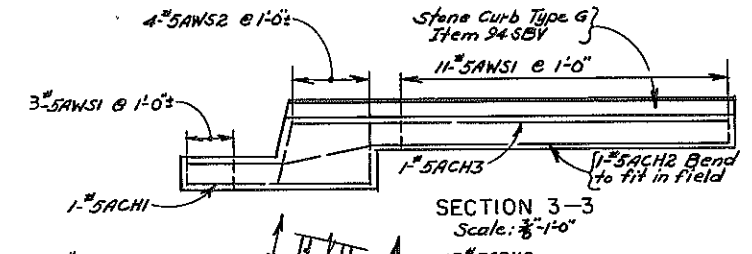
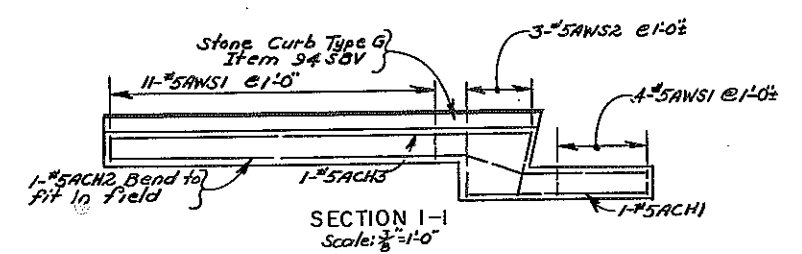
PROJECT ENGINEER A. Karolak
 IN CHARGE OF L.H. Turner
 DESIGNED BY L.H. Turner
 DESIGN CHECKED BY A. Scipione
 DETAILED BY A. Scipione
 DETAIL CHECKED BY D. Thimble

BRIDGE NO. 4
 RELOC. 7th NORTH ST. RD. O'ER EX. BAY C.T.
 EUCLID - NORTH SYRACUSE
 NB 128 + 98.86; G11 + 05.69 SB 129 + 95.30; G10 + 36.56
 NORTH ABUTMENT (1 OF 2)
 DRAWING NO. 6 OF 15



FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		195	257

EUCLID-NORTH SYRACUSE



PROJECT ENGINEER A. Kocolek
 IN CHARGE OF L.H. Turner
 DESIGNED BY L.H. Turner
 DESIGN CHECKED BY A. Scipione
 DETAIL CHECKED BY D. Thimble
 DETAIL DRAWN BY D. Thimble

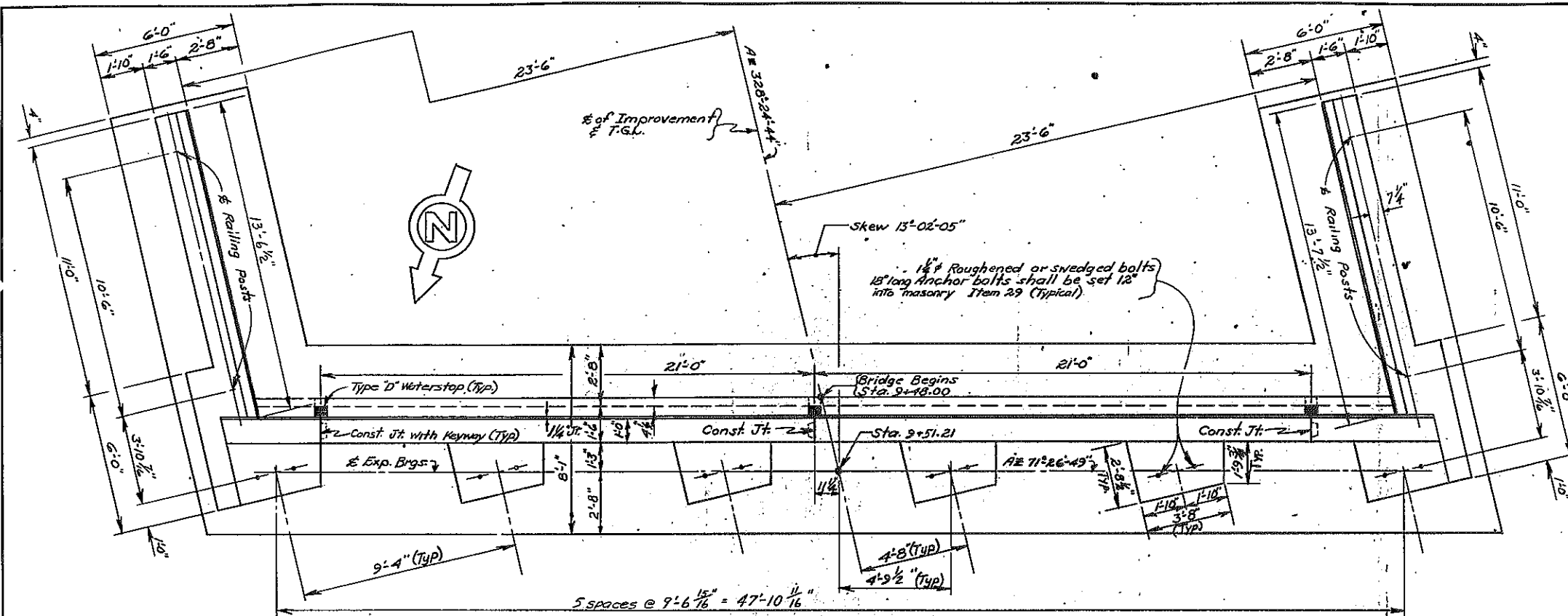
BRIDGE NO. 4
 RELOC. 7th NORTH ST. RD. OVER NEW S.H.
 EUCLID - NORTH SYRACUSE
 NS 120+98.86+G11+05.65 SB 129+95.90+G10+38.96

NORTH ABUTMENT (2 OF 2)
 DRAWING NO. 7 OF 15

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		196	257

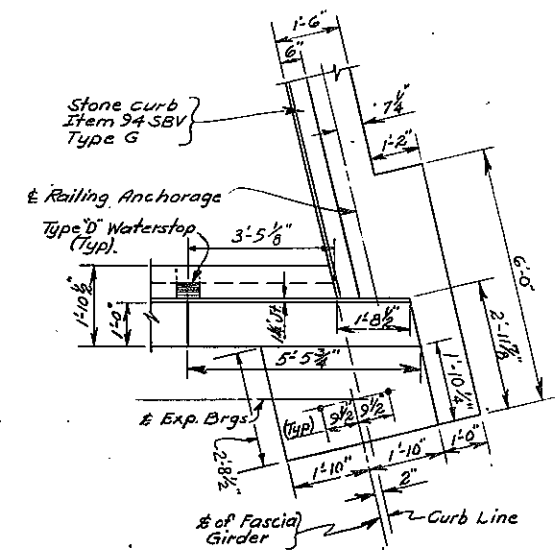
EUCIID-NORTH SYRACUSE

AS BUILT

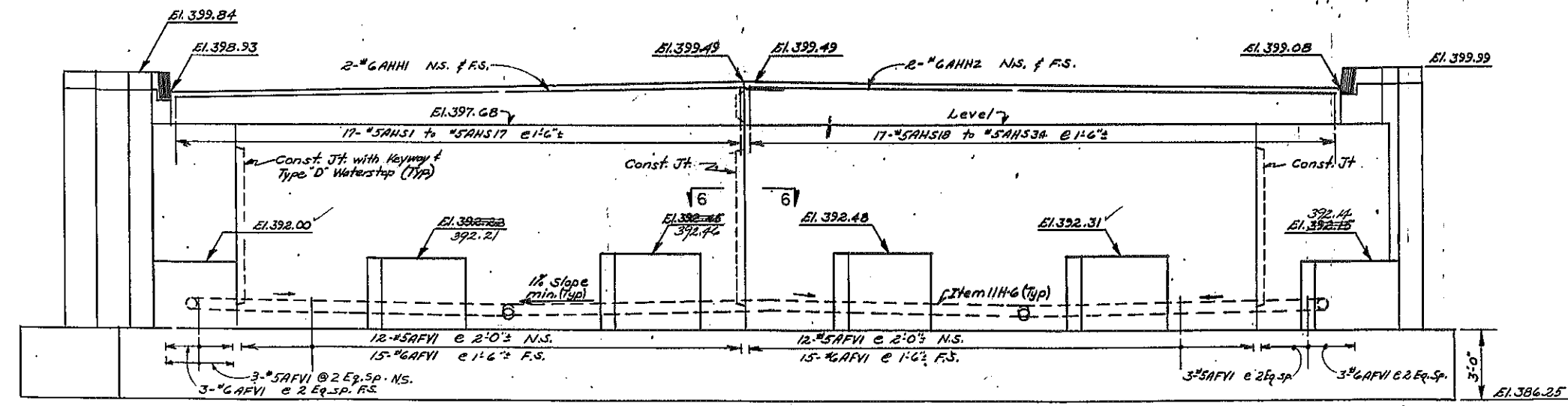


PLAN
Scale: 3/8"=1'-0"

Note: After completion of backfill behind abutment, wait an additional two (2) week period prior to setting final pedestal elevations.

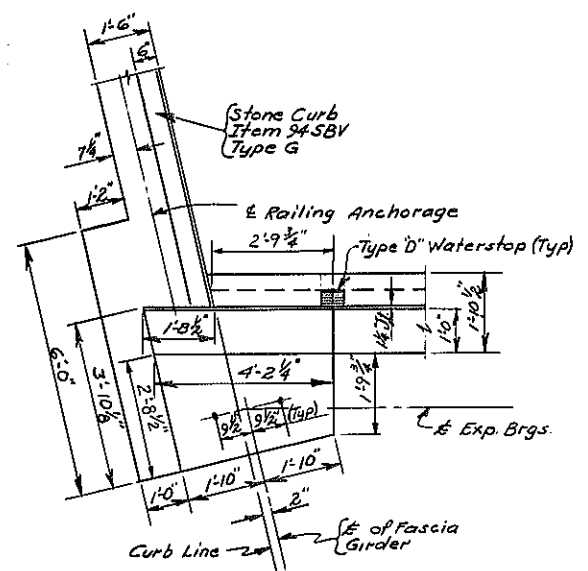


SOUTHWEST CORNER DETAIL
Scale: 1/2"=1'-0"



ELEVATION
Scale: 3/8"=1'-0"

Note: See Common Detail Drawings for details of Keyways & Waterstops.



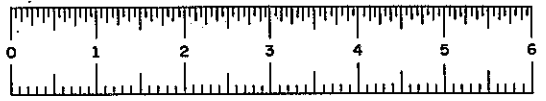
SOUTHEAST CORNER DETAIL
Scale: 1/2"=1'-0"

PROJECT ENGINEER *A. Karolak*
 IN CHARGE OF *L. H. Turner*
 DESIGNED BY *L. H. Turner*
 DESIGN CHECKED BY *A. Scipione*
 DETAILED BY *R. J. Sauer*
 DETAIL CHECKED BY *S. Kulkarni*

As built revision:
 Altered Br. Pedestal Elevations

BRIDGE NO. 4
 RELOC. 7th NORTH ST. RD. OVER NEW S.H.
 EUCIID - NORTH SYRACUSE
 NB 128+98.86+G11+0569 SB 129+95.90+G10+3698

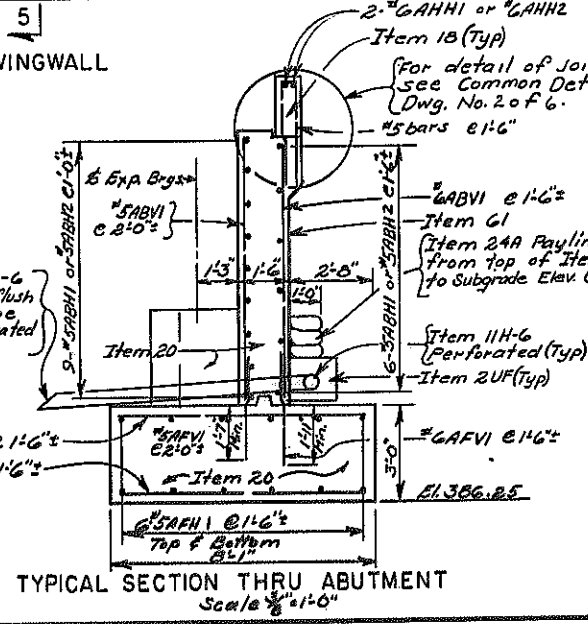
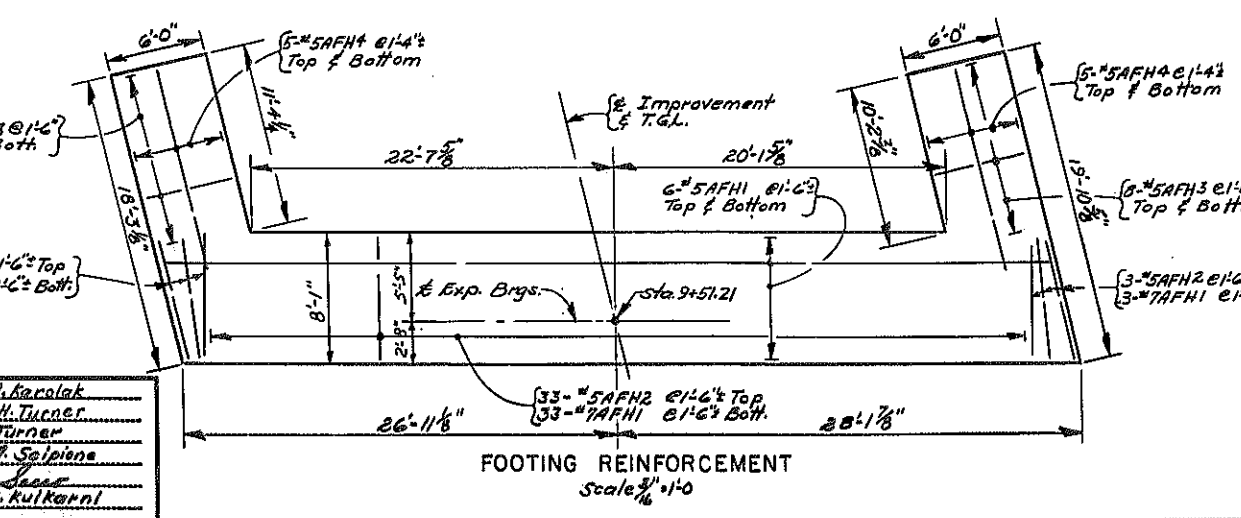
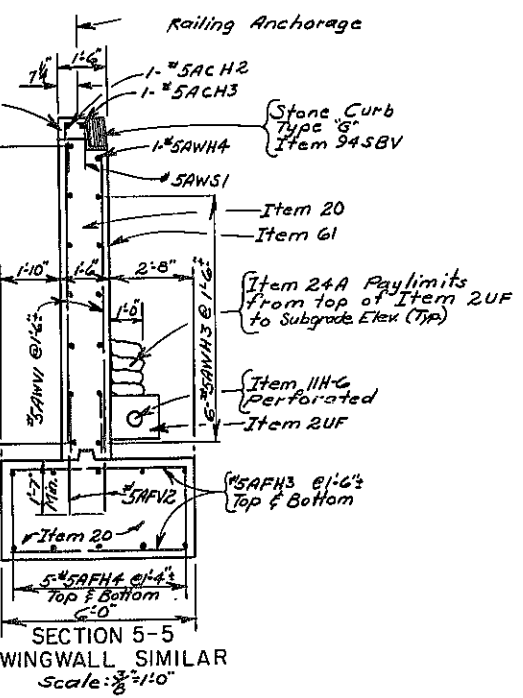
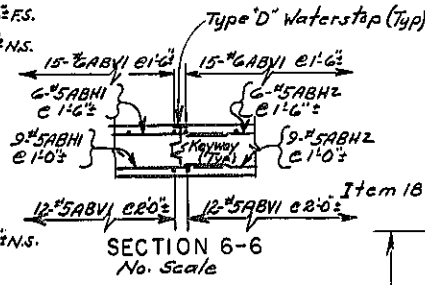
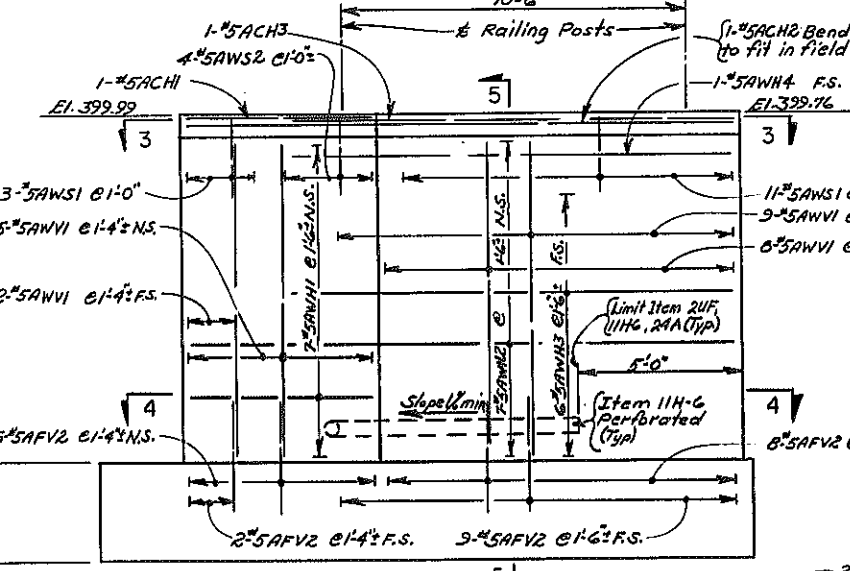
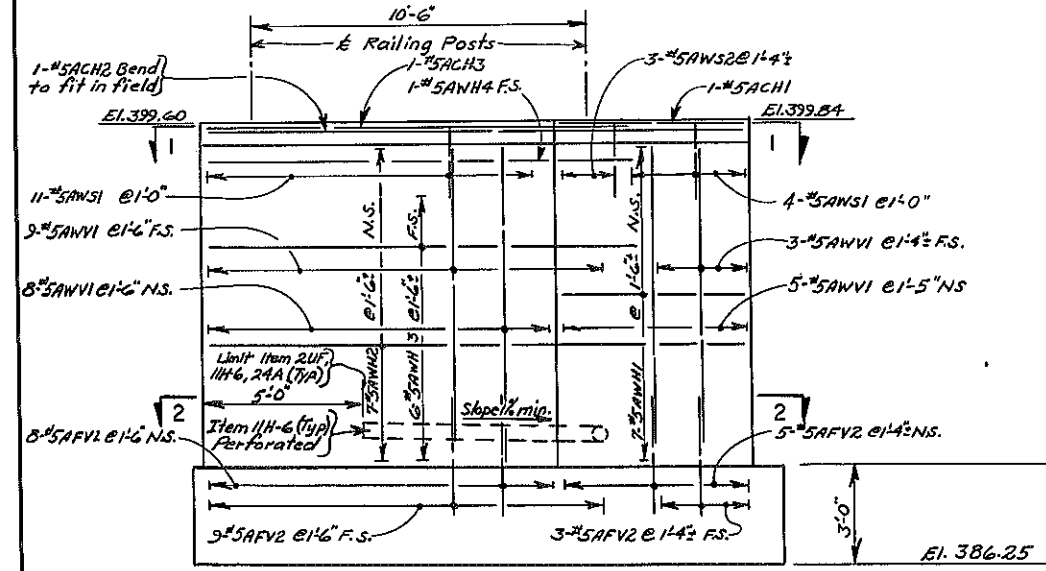
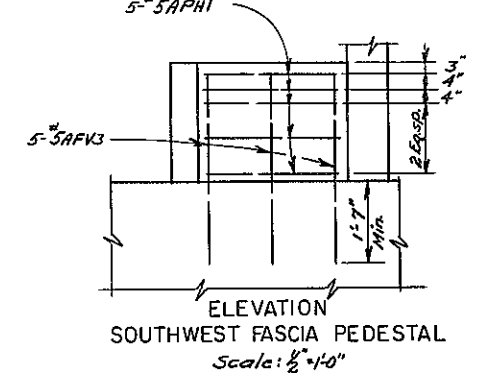
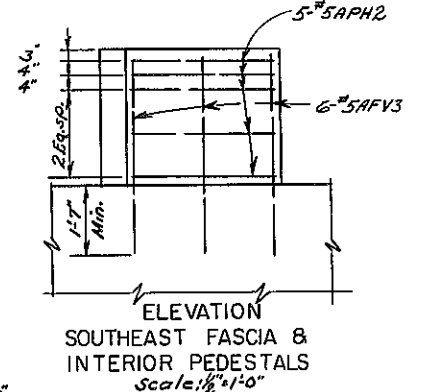
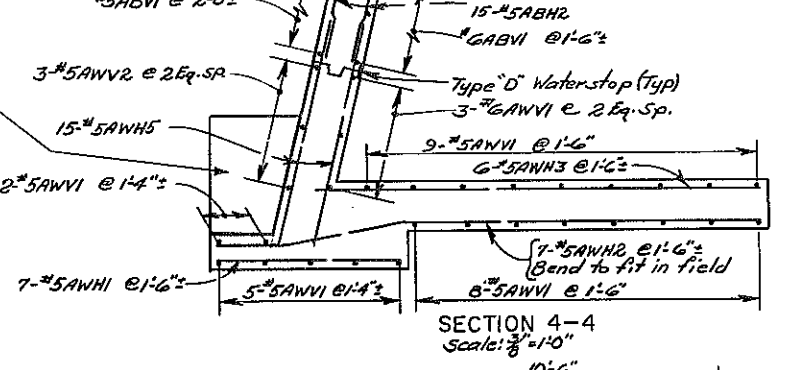
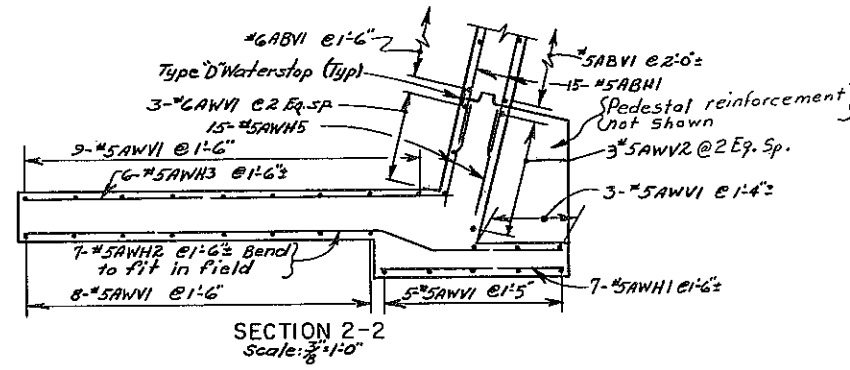
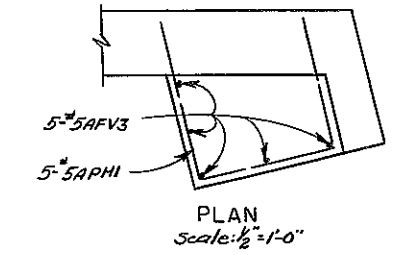
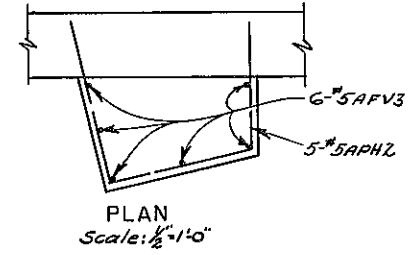
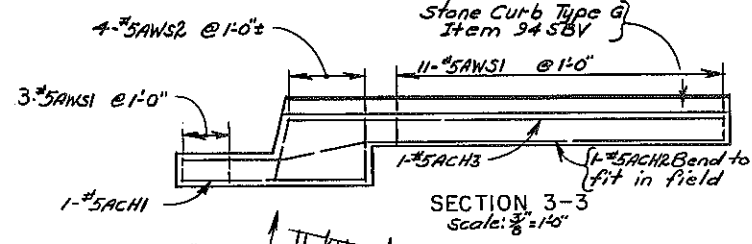
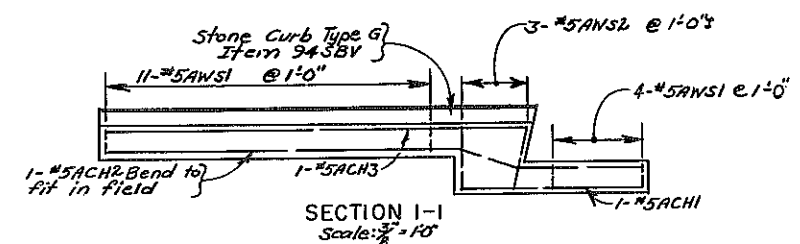
SOUTH ABUTMENT (1 OF 2)
 DRAWING NO. 8 OF 15



SH 69-5 RC 69-102

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		197	257

EUCALID-NORTH SYRACUSE



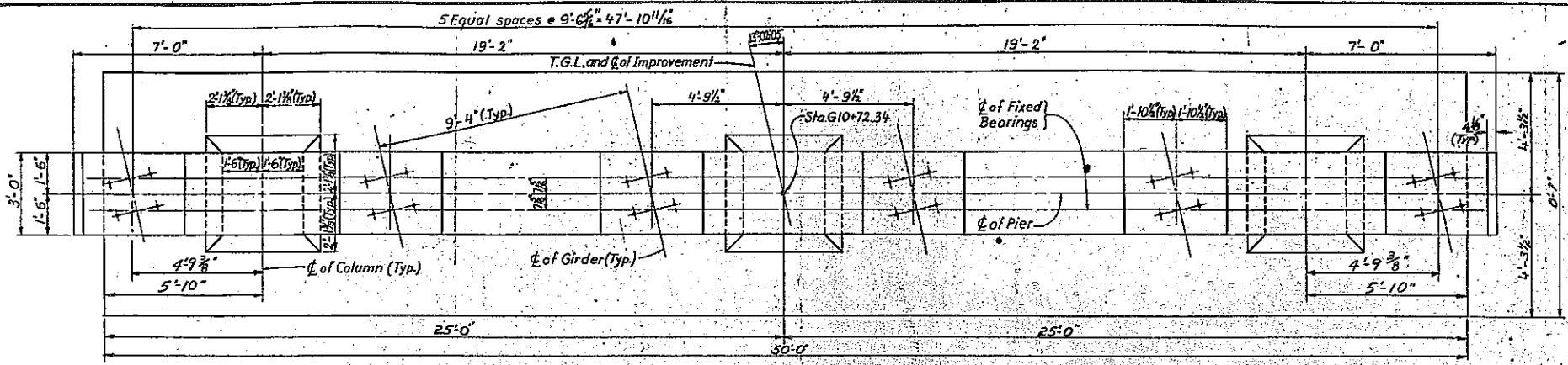
PROJECT ENGINEER *A. Karaluk*
 IN CHARGE OF *L.H. Turner*
 DESIGNED BY *L.H. Turner*
 DESIGN CHECKED BY *A. Scipione*
 DETAILED BY *L.H. Turner*
 DETAIL CHECKED BY *S. Kulkarni*

BRIDGE NO. 4
 RELOC. 7th NORTH ST. RD. over NEW S.H.
 EUCALID - NORTH SYRACUSE
 NB 128 + 98.86 + G11 + 05.69 SB 129 + 95.80 + G10 + 38.99
SOUTH ABUTMENT (2 OF 2)
 DRAWING NO. 9 OF 15

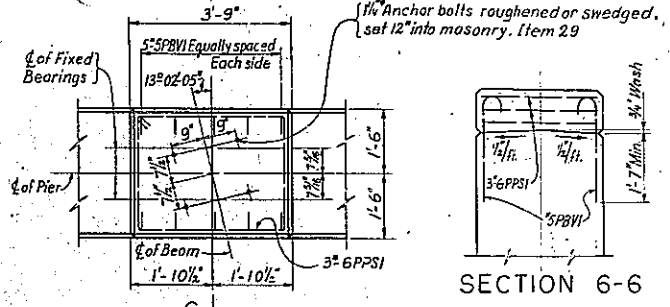
FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		198B1	257

EUCLID-NORTH SYRACUSE

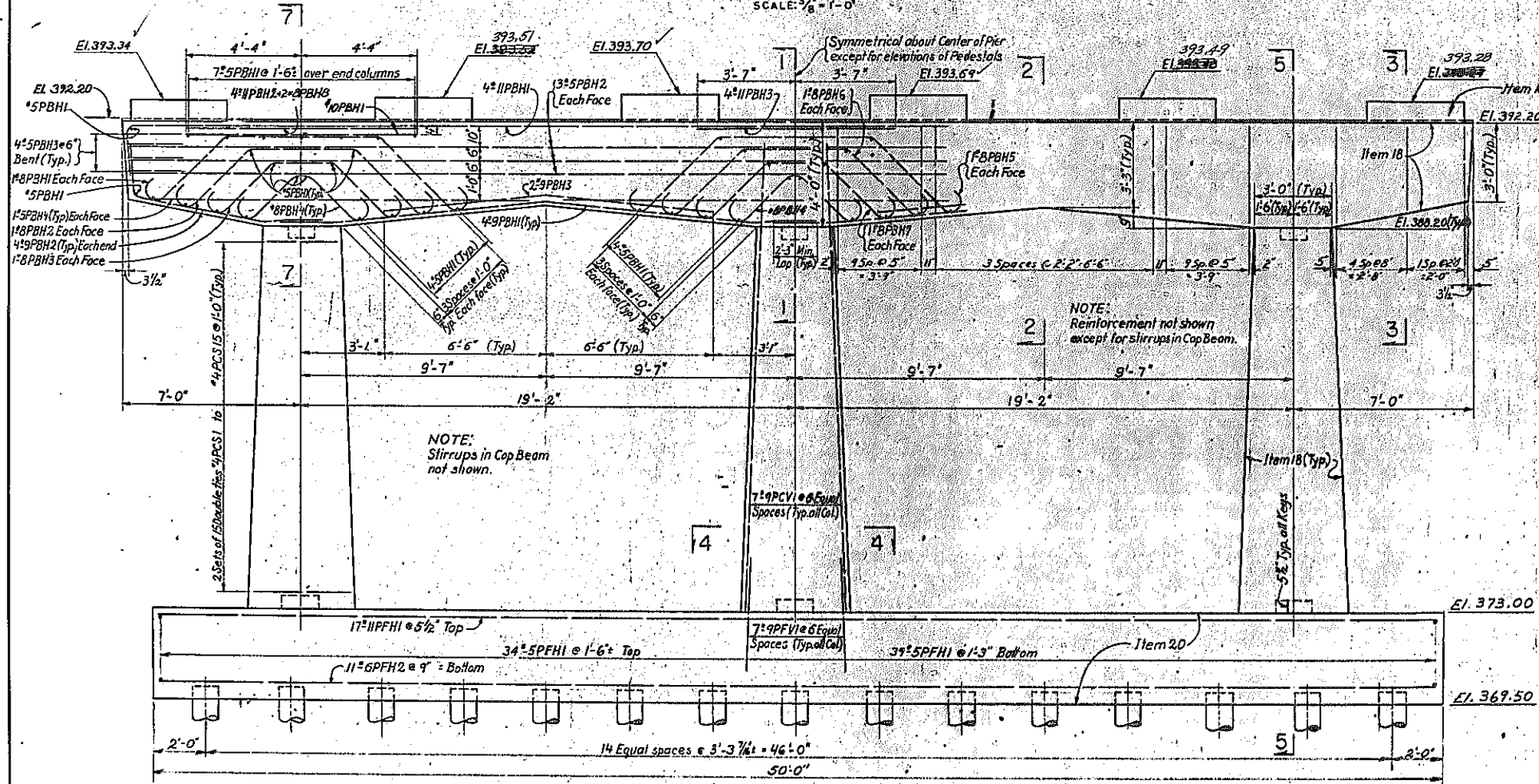
AS BUILT



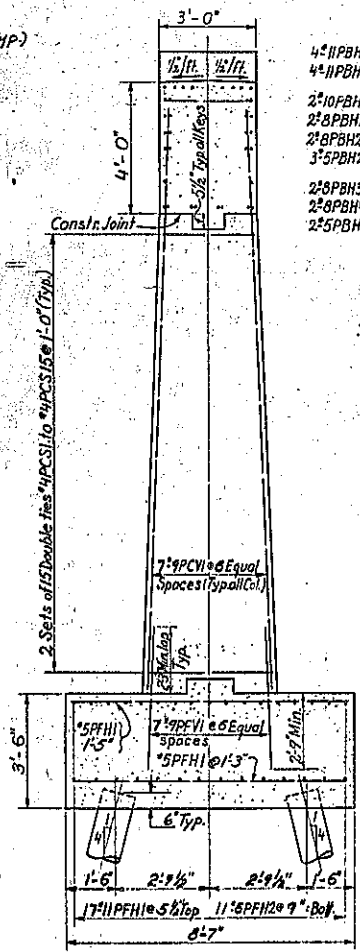
PLAN
SCALE: 3/8" = 1'-0"



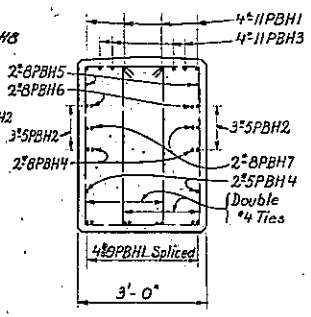
SECTION 6-6
SCALE: 1/2" = 1'-0"



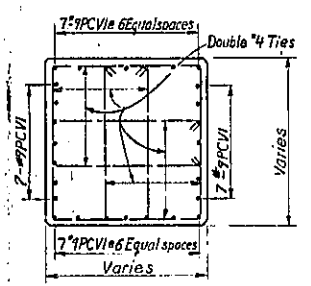
ELEVATION
SCALE: 3/8" = 1'-0"



SECTION 7-7
SCALE: 1/2" = 1'-0"

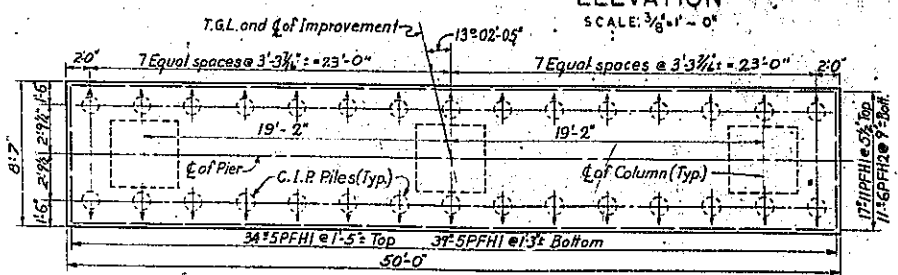


SECTION 1-1
SCALE: 1/2" = 1'-0"

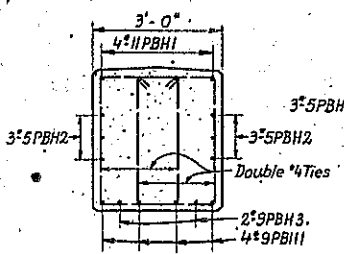


SECTION 4-4
SCALE: 1/2" = 1'-0"

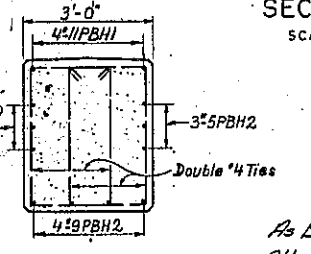
NOTE:
All facing reinforcement - 3" Min. cover
All columns, capbeams and pedestals - 2" Min. cover, unless otherwise indicated
All edges of pedestals and capbeams to be chamfered 1".



FOOTING PLAN
No Scale



SECTION 2-2
SCALE: 1/2" = 1'-0"

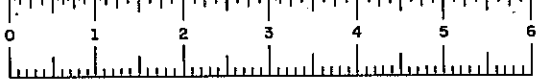


SECTION 3-3
SCALE: 1/2" = 1'-0"

As Built Revision:
After 137 Pier Elevation
@ Pedestals

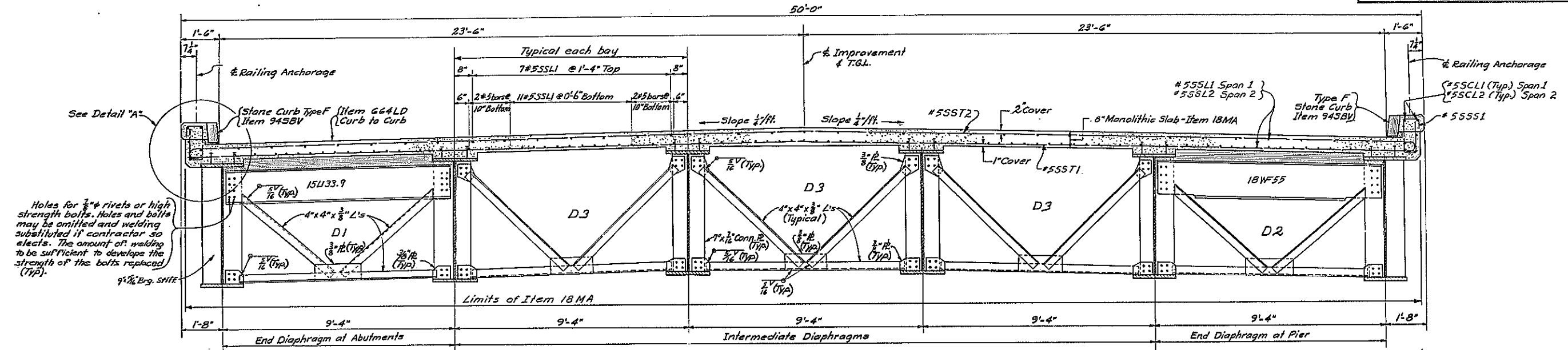
PROJECT ENGINEER: A. Karaluk
IN CHARGE OF: L.H. Turner
DESIGNED BY: S. Rowe
DESIGN CHECKED BY: R. Thimble
DETAILED BY: O. Kozics
DETAIL CHECKED BY: S. Rowe

BRIDGE NO. 4
RELOC. 7th NORTH ST. RD. over NEW S.H.
EUCLID - NORTH SYRACUSE
NS 128 + 98.66 + G11 + 0569 58 129 + 95.90 + G10 + 38.98



SH 69-5 RC 69-100

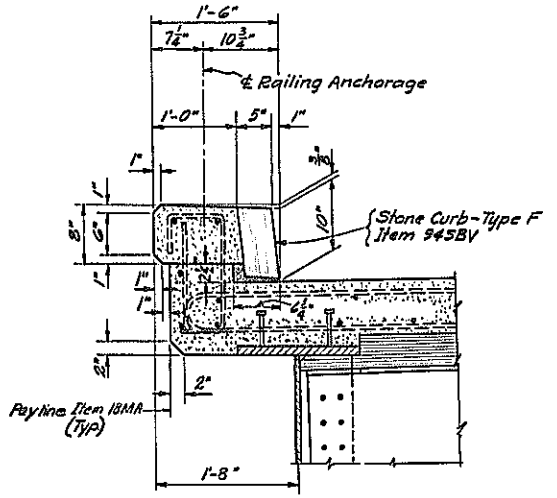
FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		199	257
EUCLID-NORTH SYRACUSE				



Holes for $\frac{3}{4}$ " rivets or high strength bolts. Holes and bolts may be omitted and welding substituted if contractor so elects. The amount of welding to be sufficient to develop the strength of the bolts replaced (Typ).

Note: Details same as End Diaphragm at abutment unless otherwise noted.

TRANSVERSE SECTION
Scale: $\frac{1}{2}$ " = 1'-0"

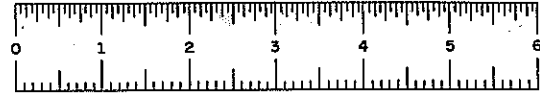


DETAIL "A"
Scale: 1" = 1'-0"

PROJECT ENGINEER A. Korolak
 IN CHARGE OF L. H. Turner
 DESIGNED BY L. H. Turner
 DESIGN CHECKED BY R. W. Perry
 DETAILED BY M. Lachut
 DETAIL CHECKED BY K. H. Wechter

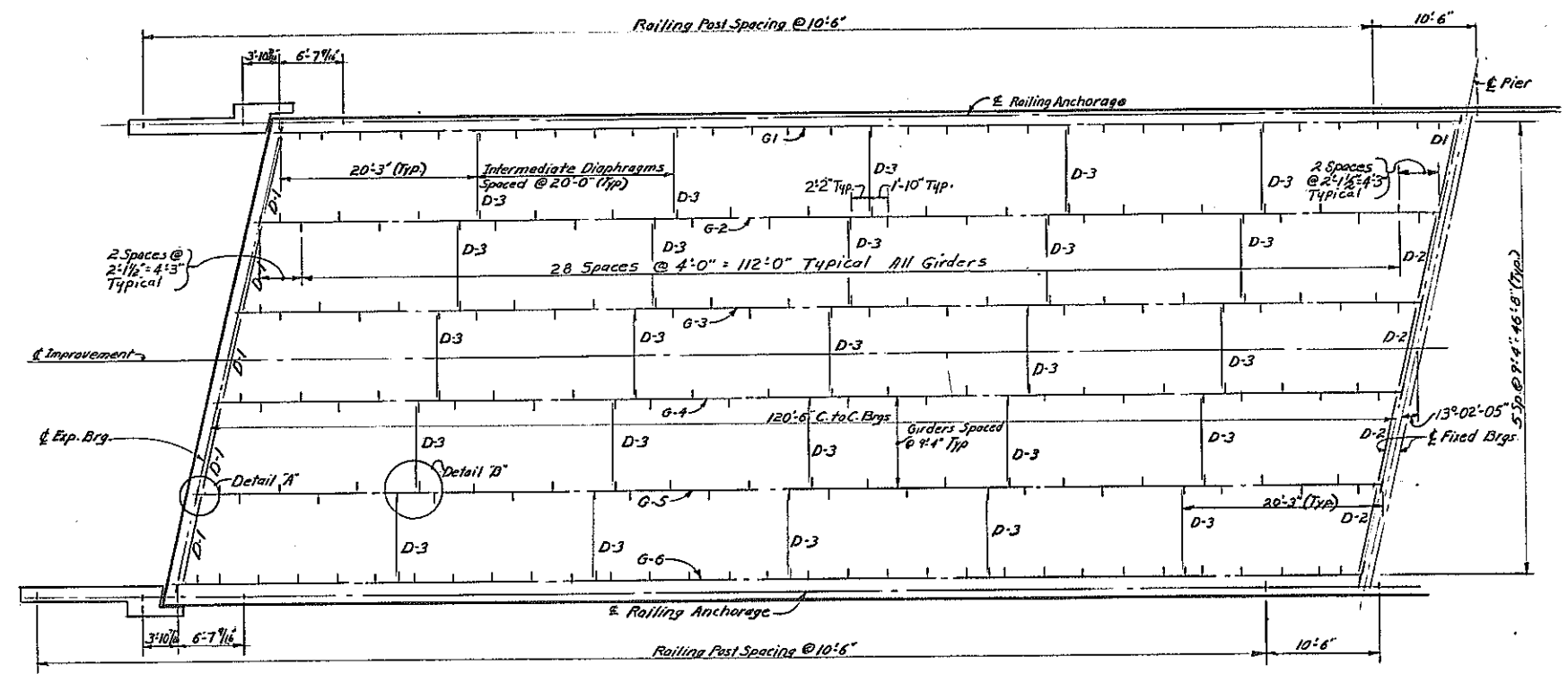
BRIDGE NO. 4
 RELOC. 7th NORTH ST., RD. OVER NEW S.H.
 EUCLID - NORTH SYRACUSE
 NB 126+98.86+G11+05.69 SB 129+95.90+G10+38.98

SUPERSTRUCTURE (1 OF 4)
 DRAWING NO. 11 OF 15

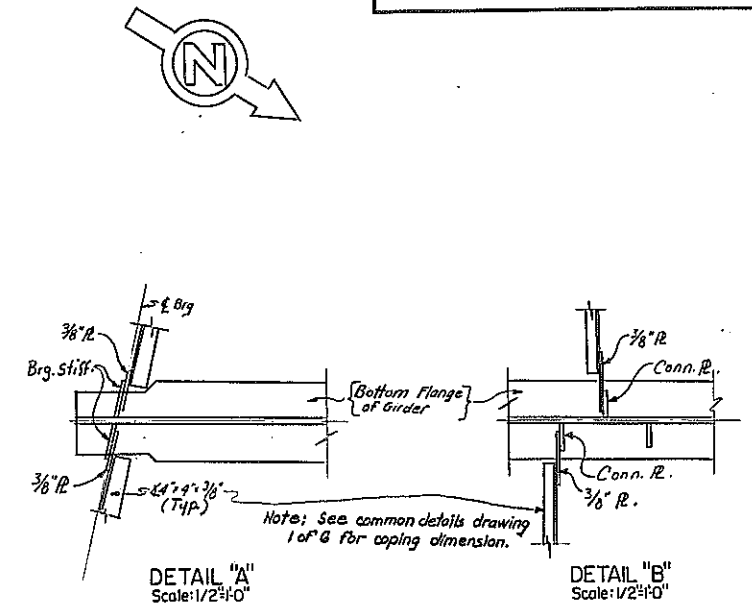


SH 69-5 RC 69-102

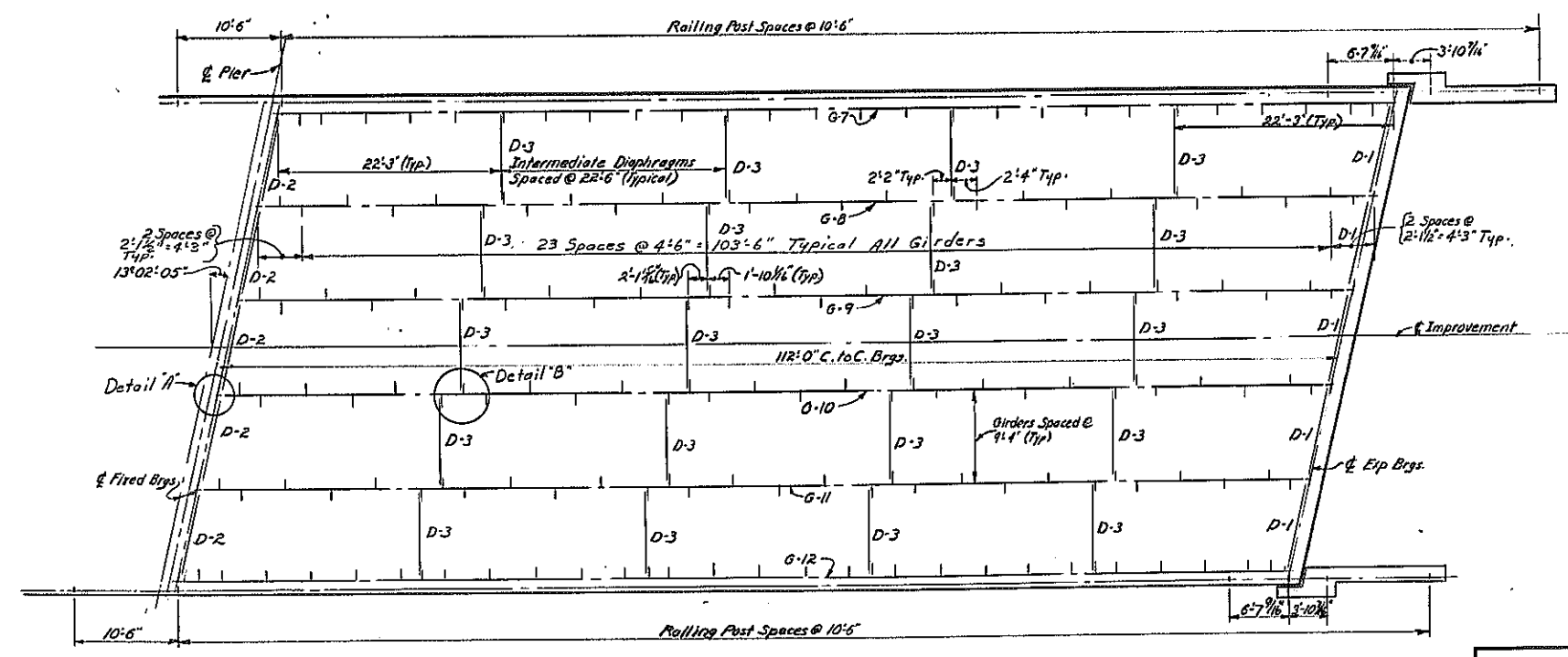
FED. RD. RES. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		200	257
EUCLID-NORTH SYRACUSE				



STEEL FRAMING PLAN SPAN #1
Scale: 1/8" = 1'-0"



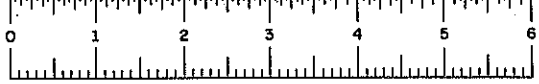
STIFFENER TABLE	
Bearing Stiffener	7" x 1"
Connection Plate	7" x 7/16"
Intermediate Stiff. (Span No. 1)	5 1/2" x 3/8"
Intermediate Stiff. (Span No. 2)	5" x 3/8"



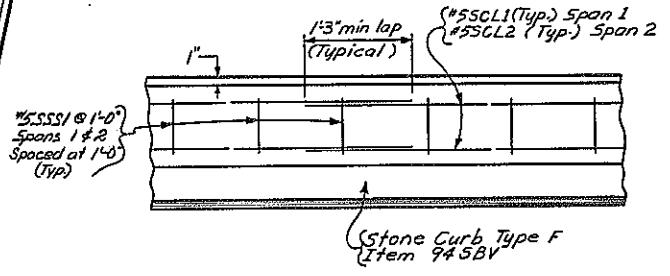
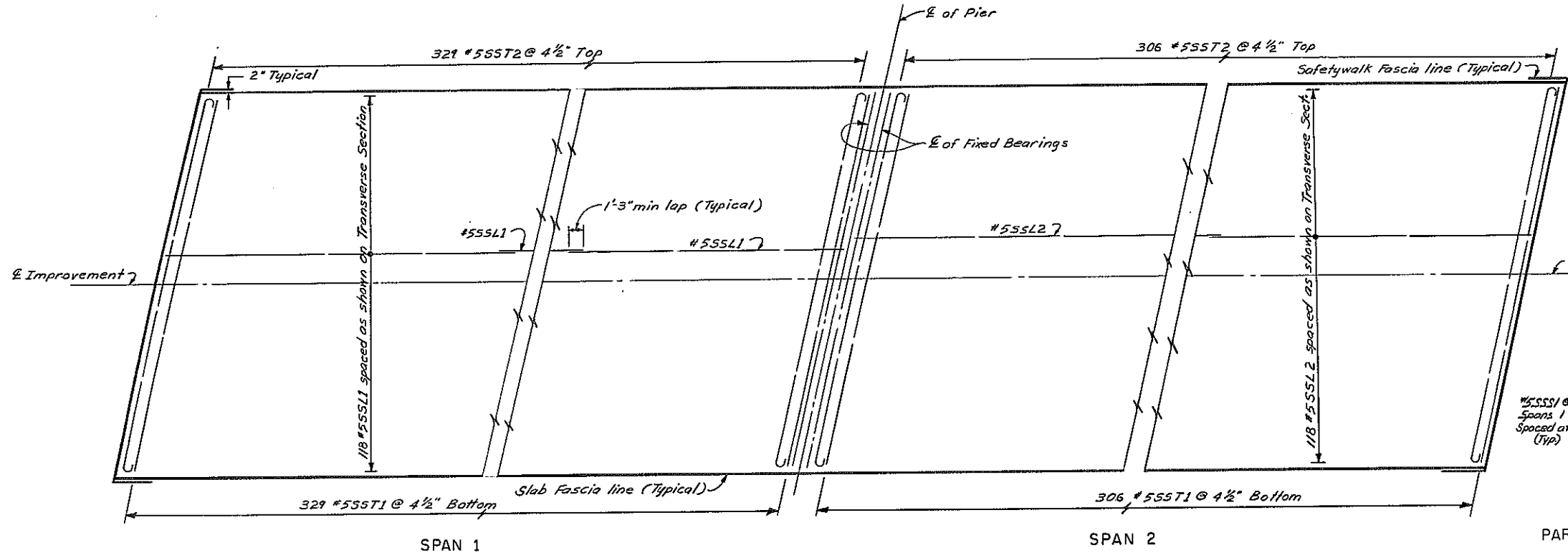
STEEL FRAMING PLAN SPAN #2
Scale: 1/8" = 1'-0"

PROJECT ENGINEER A. Karaluk
 IN CHARGE OF L.H. Turner
 DESIGNED BY L.H. Turner
 DESIGN CHECKED BY R.W. Perry
 DETAILED BY [Signature]
 DETAIL CHECKED BY K.H. Wechter

BRIDGE NO. 4
 RELOC. 7th NORTH ST. RD. OVER NEW S.H.
 EUCLID - NORTH SYRACUSE
 NB 128+88.86+G1+05.69 SB 128+88.90+G10+38.98
 SUPERSTRUCTURE (2 OF 4)
 DRAWING NO. 12 OF 15



FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		201	257
EUCLID-NORTH SYRACUSE				



PLAN OF SLAB REINFORCEMENT
NO SCALE

PARTIAL PLAN SAFETYWALK REINFORCEMENT
NO SCALE

PROJECT ENGINEER A. Kocolak
 IN CHARGE OF L.H. Turner
 DESIGNED BY L.H. Turner
 DESIGN CHECKED BY R.W. Perry
 DETAILED BY Anthony Sapienza
 DETAIL CHECKED BY M. Lachut

BRIDGE NO. 4
 RELOC 7th NORTH ST. RD. OVER NEW S.H.
 EUCLID - NORTH SYRACUSE
 NB 126+90.86+0.11+05.69 SB 129+95.90+610+38.90
 SUPERSTRUCTURE (3 OF 4)
 DRAWING NO. 13 OF 15

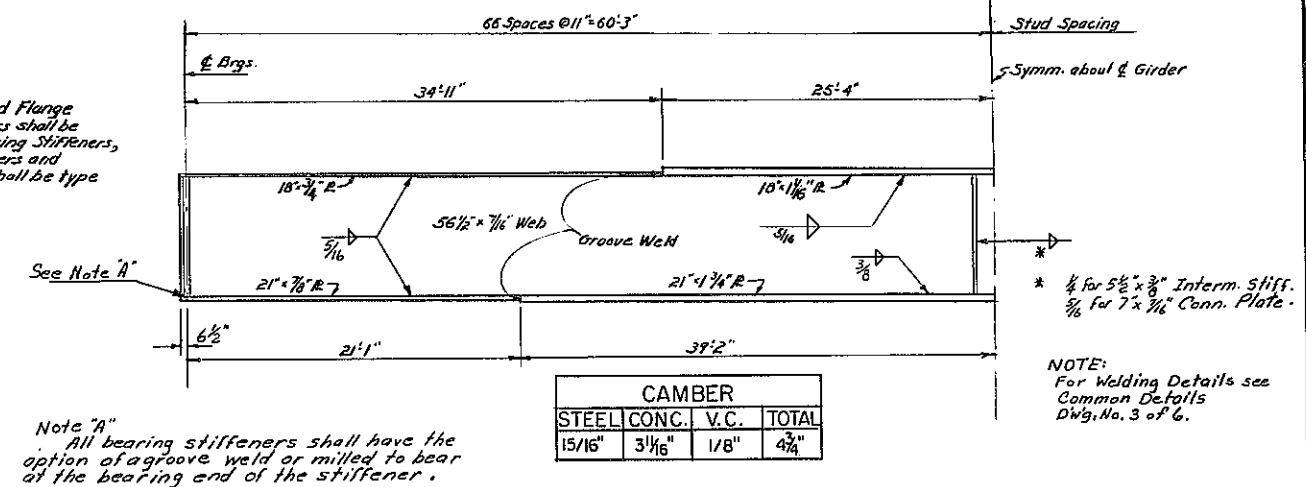


FED. RD. DIST. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		202	257
EUCLID-NORTH SYRACUSE				

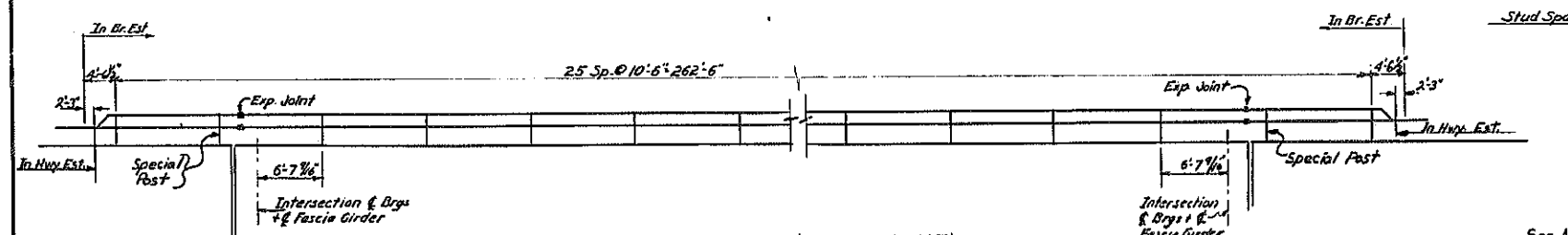
GIRDER INFORMATION TABLE													
GIRDER	"N" DIM	BOTT. OF SLAB ELEV. (TENTH POINTS)											
		0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	
SPAN NO. 1	1	1.42	398.45	398.61	398.75	398.89	399.02	399.15	399.26	399.37	399.47	399.56	399.65
	2	1.23	398.62	398.77	398.92	399.06	399.20	399.32	399.44	399.55	399.65	399.74	399.83
	3	1.03	398.78	398.94	399.09	399.23	399.37	399.49	399.61	399.72	399.82	399.92	400.00
	4	1.03	398.75	398.91	399.06	399.21	399.34	399.47	399.59	399.70	399.81	399.90	399.99
	5	1.23	398.53	398.69	398.84	398.99	399.13	399.25	399.38	399.49	399.59	399.69	399.78
	6	1.42	398.30	398.47	398.62	398.77	398.91	399.04	399.16	399.28	399.38	399.48	399.57
SPAN NO. 2	7	1.42	399.65	399.72	399.79	399.84	399.89	399.93	399.97	400.00	400.02	400.03	400.04
	8	1.23	399.83	399.91	399.97	400.03	400.08	400.12	400.16	400.19	400.21	400.23	400.24
	9	1.03	400.01	400.09	400.15	400.21	400.26	400.31	400.35	400.38	400.40	400.42	400.43
	10	1.03	400.00	400.07	400.14	400.20	400.25	400.30	400.34	400.37	400.40	400.42	400.43
	11	1.23	399.79	399.87	399.93	400.00	400.05	400.10	400.14	400.17	400.20	400.22	400.23
	12	1.42	399.58	399.66	399.73	399.79	399.85	399.89	399.94	399.97	400.00	400.02	400.04

NOTE:
For location of "N" Dim.
see Common Details
Dwg. No. 3 of 6.

NOTE:
The Web Plates, and Flange
Plates for the girders shall be
Type A441 Steel. Bearing Stiffeners,
Intermediate Stiffeners and
Connection Plates shall be Type
A36 Steel.

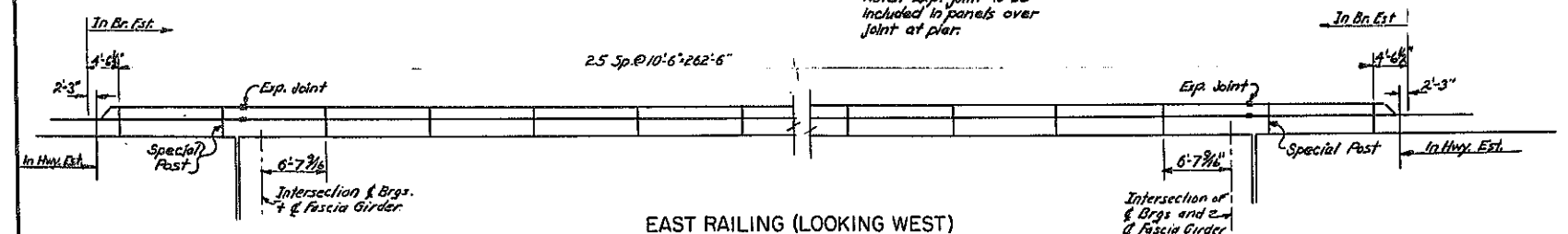


G-1 thru G-6
No Scale



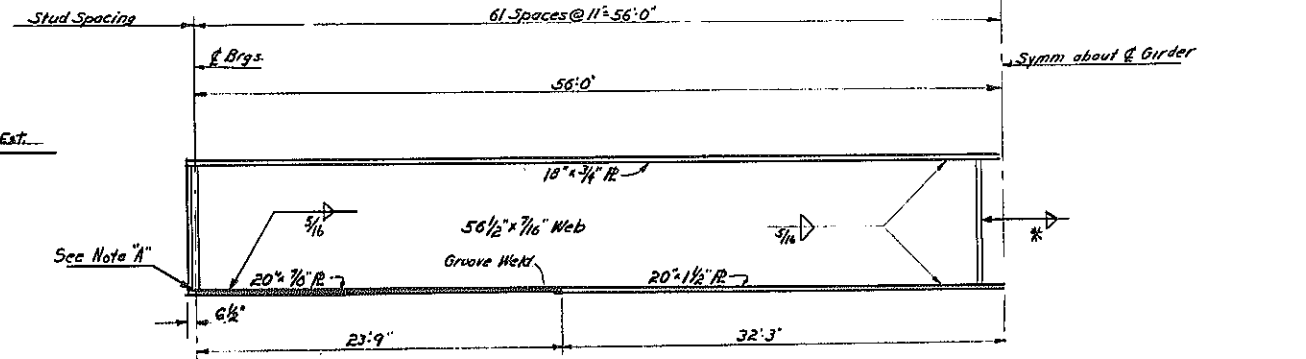
WEST RAILING (LOOKING WEST)
No Scale

Note: Exp. joint to be
included in panels over
joint at pier.



EAST RAILING (LOOKING WEST)
No Scale

NOTE:
Place Exp. Jt. in railing panel
where Exp. Jt. occurs in superstructure.
Place splice joint in railing panel
where fitted jt. occurs in superstructure
over pier.



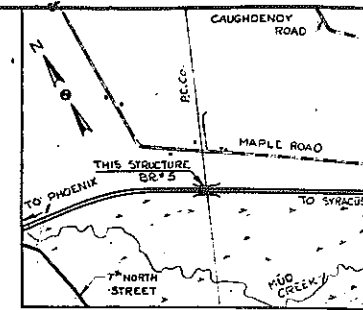
G-7 thru G-12
No Scale

PROJECT ENGINEER A. Karlar
IN CHARGE OF L. H. Turner
DESIGNED BY L. H. Turner
DESIGN CHECKED BY R. W. Perry
DETAILED BY R. W. Perry
REVISION CHECKED BY K. H. Wachter

BRIDGE NO. 4
RELOC. 7th NORTH ST. RD. over NEW S.H.
EUCLID - NORTH SYRACUSE
NB 128 + 88.86 + 011 + 05.69 SB 129 + 95.90 + 010 + 38.98
SUPERSTRUCTURE (4 OF 4)
DRAWING NO. 14 OF 15

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		2042	257

AS BUILT

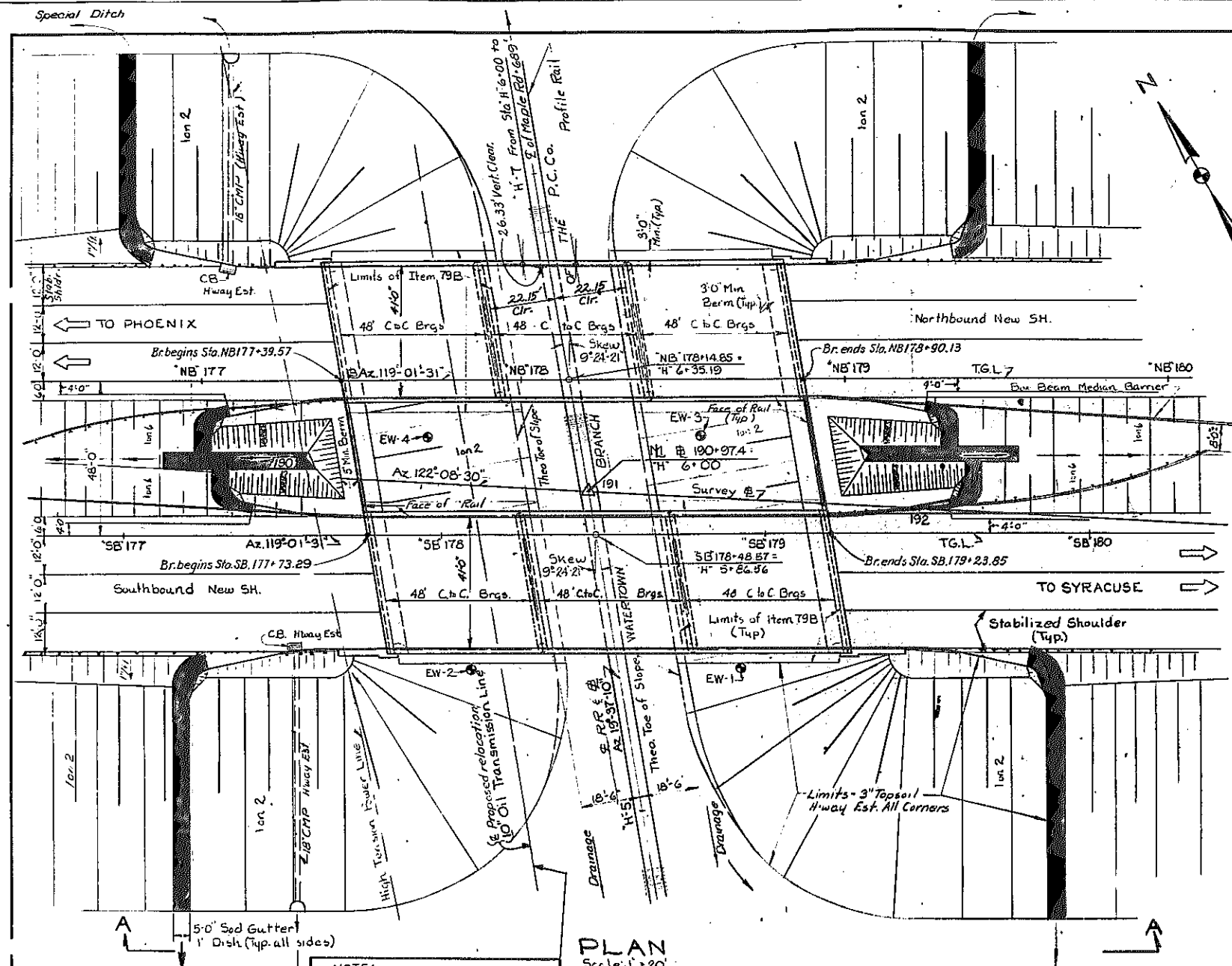


LOCATION PLAN Scale 1"=2000'

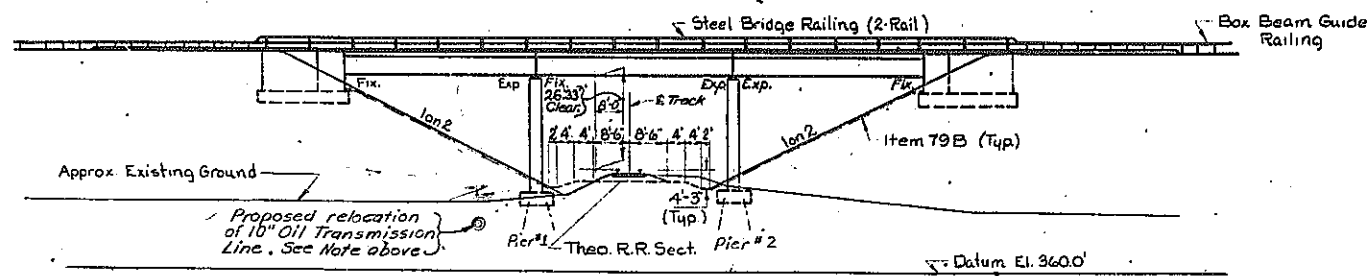
ESTIMATE OF QUANTITIES

ITEM	DESCRIPTION	UNIT	NEAT	PROP.	FINAL
2EF-B	Selected Granular Fill	C.Y.	650	650	580.6
2VJ-D	Selected Fill (Bridge Foundations)	C.Y.	9002	9010	12,544.2
2UF	Underdrain Filter	C.Y.	40	40	11.9
5B	Structure Excavation	C.Y.	410	410	1776.7
11H-6	Perforated Corrugated Metal Pipe Underdrain 6" ø	L.F.	654	660	378.1
1B	Class "A" Concrete For Structures	C.Y.	138	140	241.67
1BMA	Class "A" Concrete For Structures (Monolithic)	SF.	13,000	13,000	15,146.9
24A	Bagged Screened Aggregate	C.Y.	62	70	57.38
2B	Bar Reinforcement For Structures	Lb.	190,370	190,400	179,652
28B	Stud Shear Connectors	Ea.	6,780	6,790	696.0
29	Structural Steel	Lb.	212,808	212,900	197,722
61	Bituminous Material	Gal.	84	90	86.8
79B	Concrete Block Paving	S.Y.	1,345	1,350	1441.79
83TXS	Temporary Sheet Piling	S.F.	8,296	8,300	1,353
85	Steel Bearing Piles	L.F.	1,000	1,000	86.4
87	Furnishing Equipment For Driving Piles	L.S.	Nec.	Nec.	25.76
124	Sodding	S.Y.	270	0	0
363I	Epoxy Protective Coating For Concrete	SF.	2,576	2,560	284.0
664LD	Linseed Oil Protective Coating For Concrete	Gal.	59	60	0
37S(2)	Steel Bridge Railing (2 Rail)	L.F.	602	670	752.01
85A	Splices For Steel Bearing Piles	Ea.	16	20	0
94SBV	Stone Curb (Bridge Types)	L.F.	1018	1020	997.7
20	Class "B" Concrete For Structures	C.Y.	643	600	600.52
84SB	Steel Bearing Test Piles	L.F.	240	240	2.70

Note: All Structural Steel is A36
For Notes see Common Detail Dwg. No. 1



NOTE:
Proposed relocation of 10" Oil Transmission Line will be accomplished by the Buckeye Pipe Line Co., Inc. prior to the start of work in the area by the contractor.



PROJECT ENGINEER P. Karolak
IN CHARGE OF L.H. Turner
DESIGNED BY R.M. Pecca
DESIGN CHECKED BY A.H. Turner
DETAILED BY Tom Campoli
DETAIL CHECKED BY H.F. Ratto

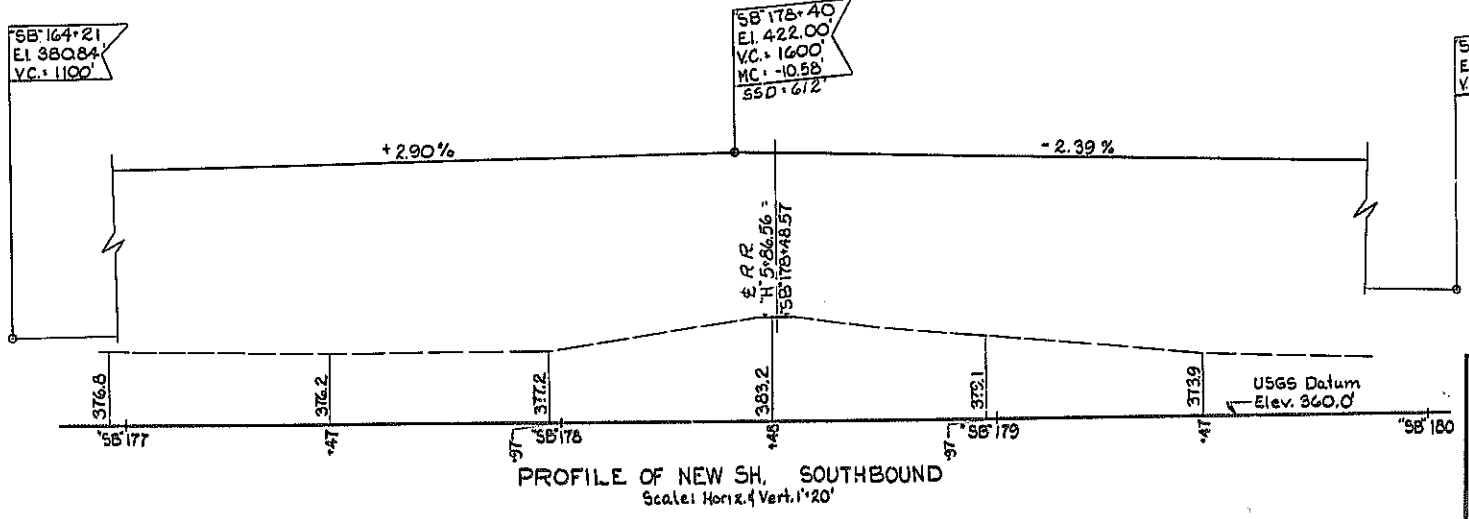
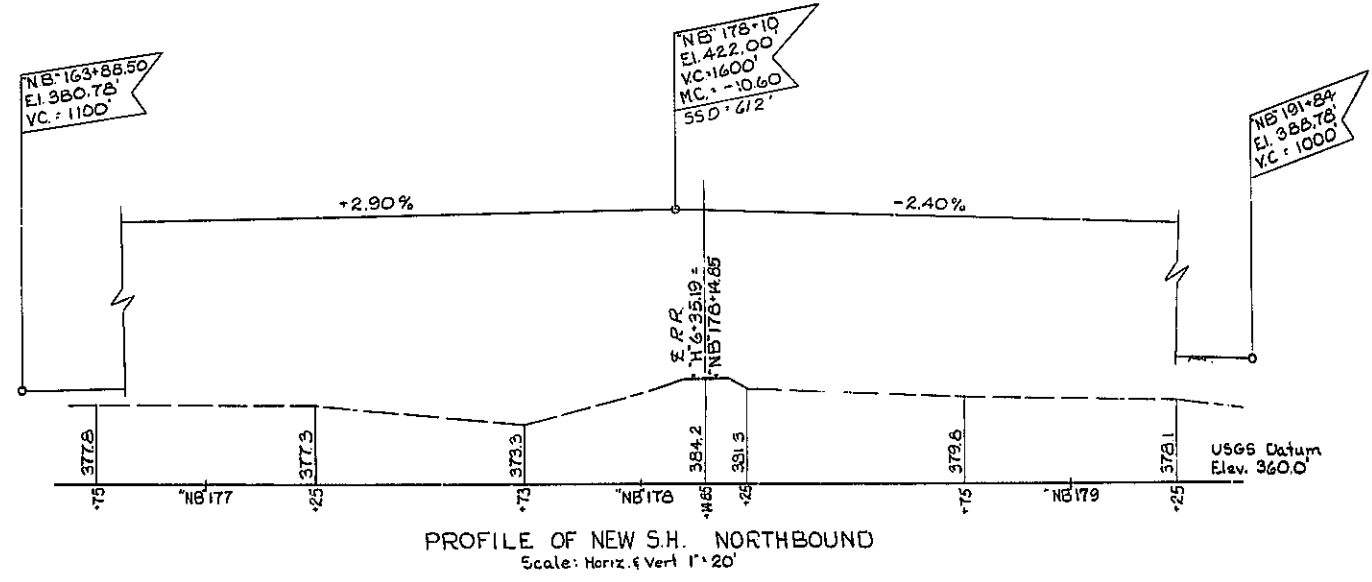
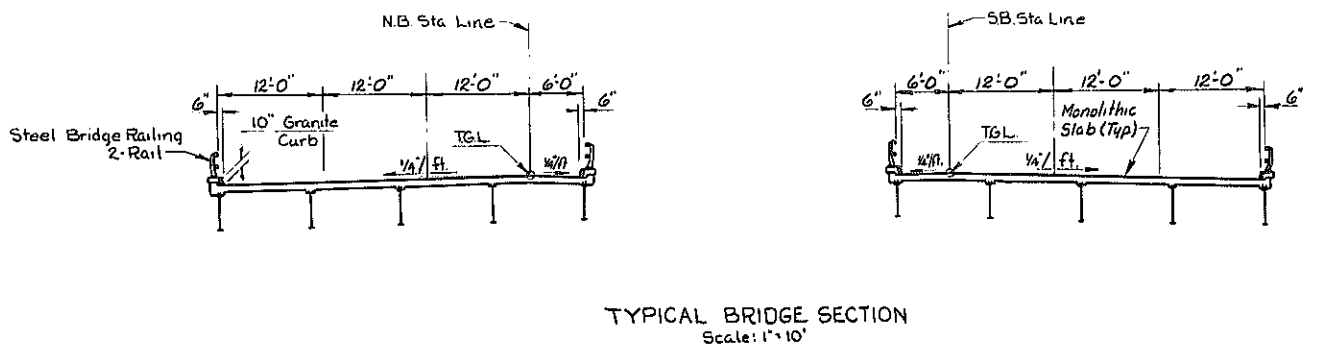
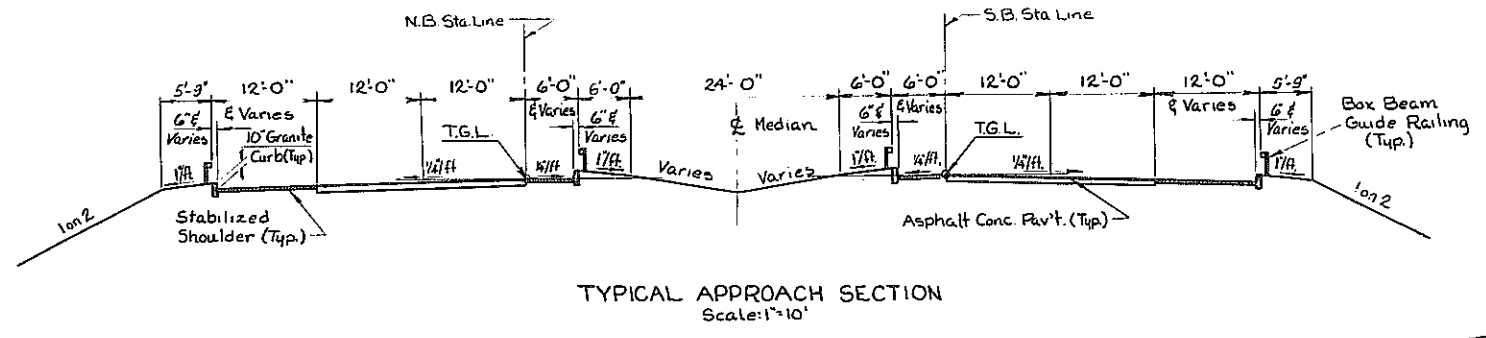
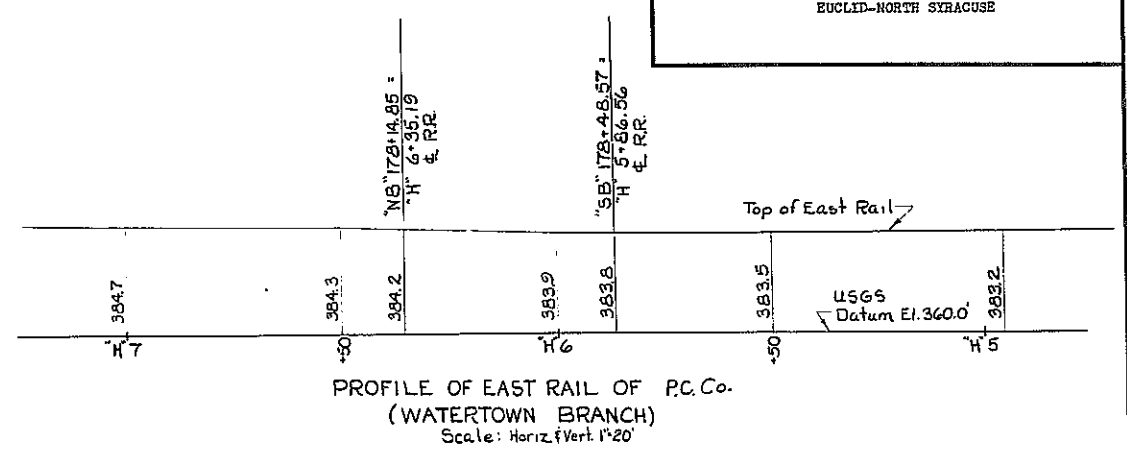
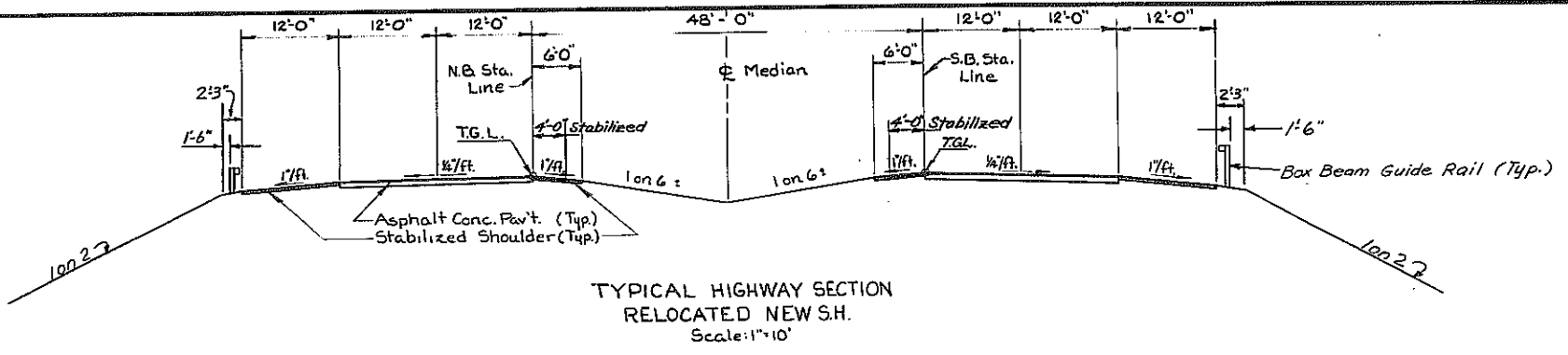
ELEVATION A-A Scale 1"=20'

As built revision:
Final Quantities Shown

BRIDGE NO. 5
NEW S.H. over PENN-CENTRAL R.R.
SUGLID - NORTH SYRACUSE
NB 178+14.85+146+35.19; SB 178+4.857+115+86.56
PLAN & PROFILE (1 OF 2)
DRAWING NO. 1 OF 16

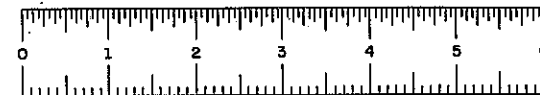


FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		205	257



PROJECT ENGINEER: *[Signature]*
 IN CHARGE OF: *[Signature]*
 DESIGNED BY: *[Signature]*
 DESIGN CHECKED BY: *[Signature]*
 DETAILED BY: *[Signature]*
 DETAIL CHECKED BY: *[Signature]*

BRIDGE NO. 5
 NEW S.H. OVER PENN-CENTRAL R.R.
 EUCLID - NORTH SYRACUSE
 NB 178+14.85 H6+35.19; SB 178+48.57 H5+86.56
 PLAN & PROFILE (2 OF 2)
 DRAWING NO. 2 OF 16



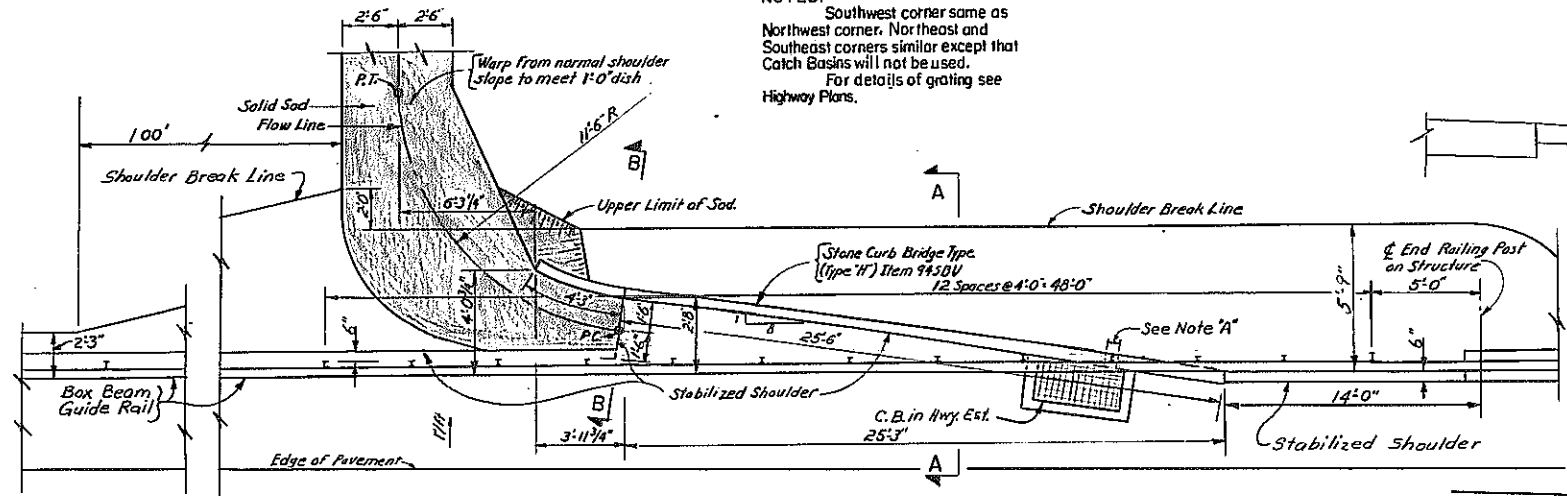
SH 69-5 RC 69-102

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		206	257

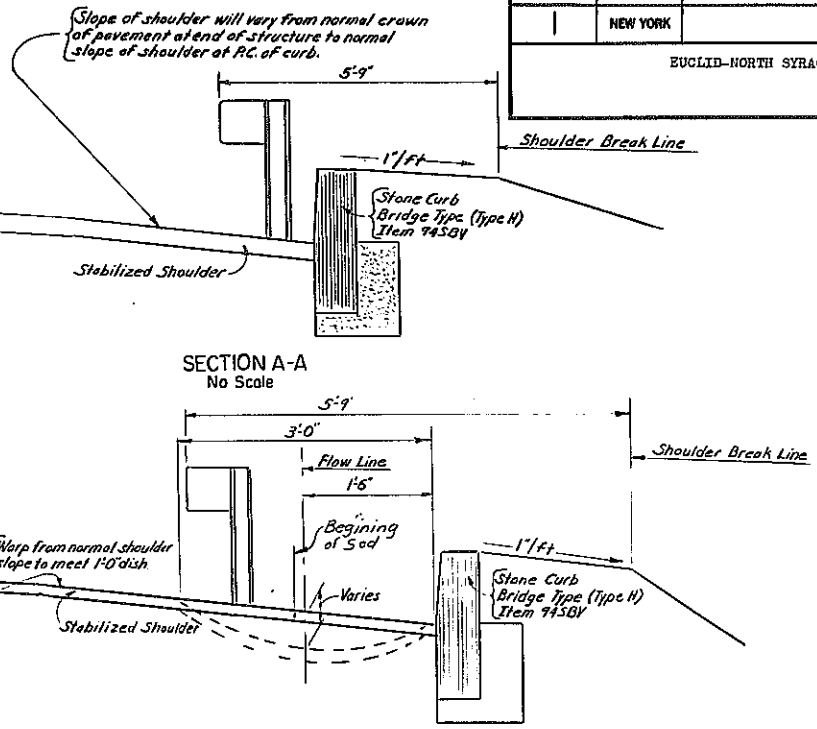
EUCLID-NORTH SYRACUSE

Note "A" - 6" minimum gap in granite curb to be filled with mortar after guide rail post has been set. This filled in portion shall be paid for at the unit price bid for the adjacent granite curb.

NOTES:
 Southwest corner same as Northwest corner. Northeast and Southeast corners similar except that Catch Basins will not be used.
 For details of grating see Highway Plans.

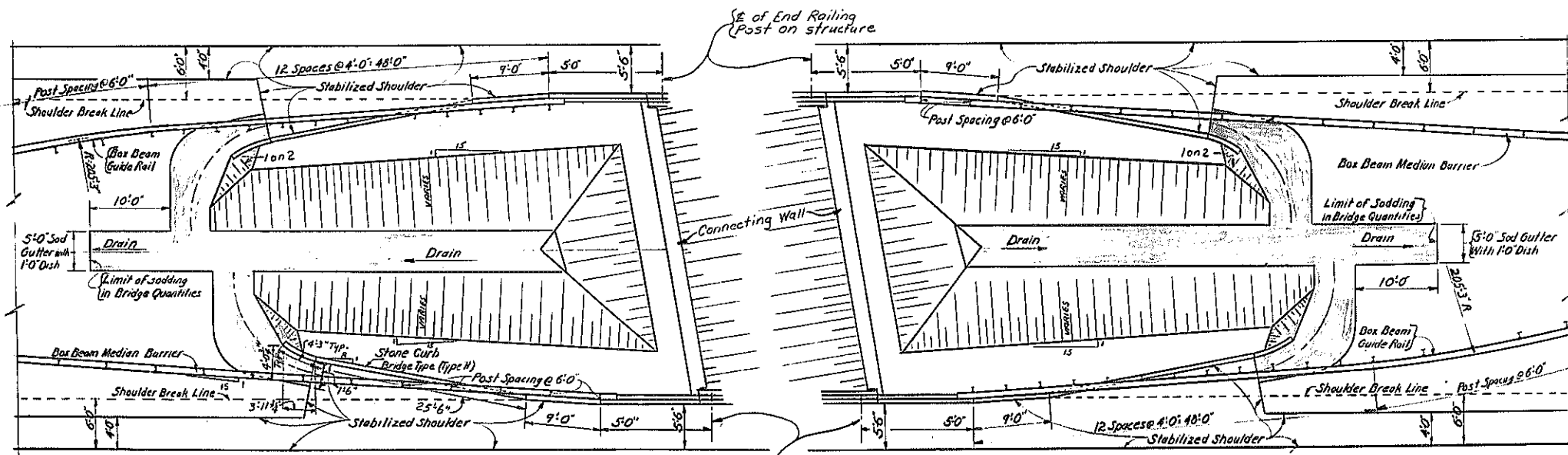


NORTHWEST CORNER
No Scale



SECTION A-A
No Scale

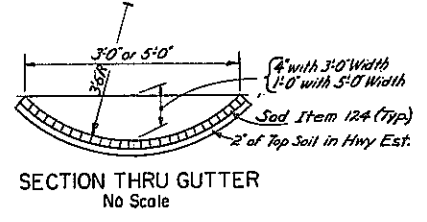
SECTION B-B
No Scale



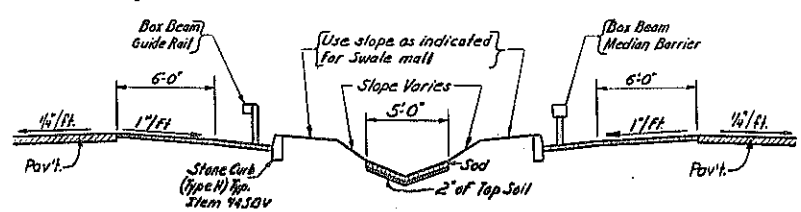
WEST MALL

EAST MALL

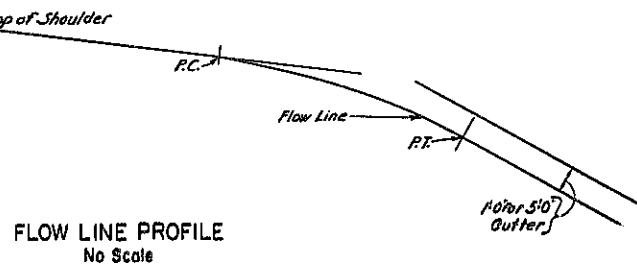
MALL DETAILS
No Scale



SECTION THRU GUTTER
No Scale



TYPICAL SECTION THRU MALL
No Scale



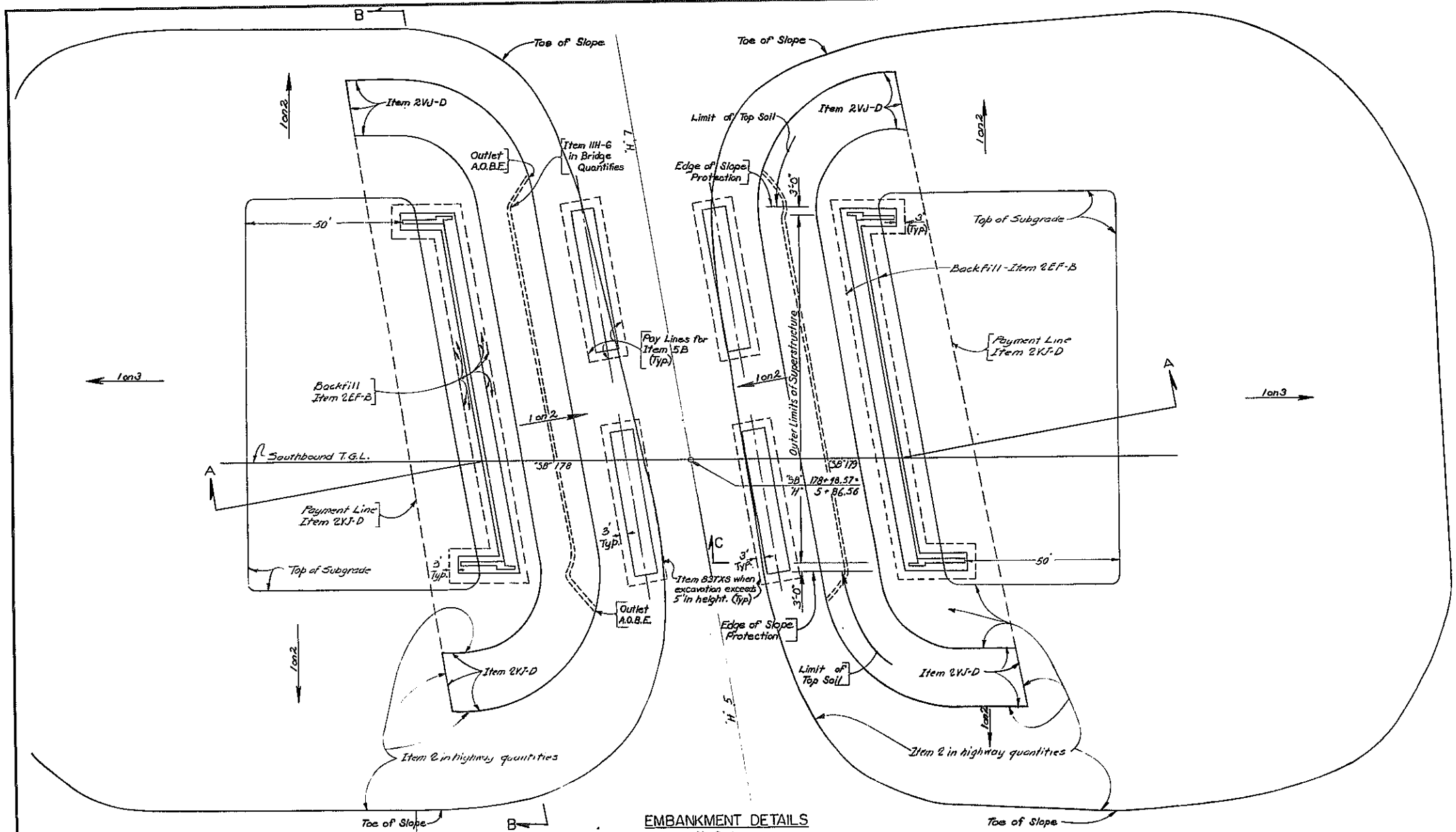
FLOW LINE PROFILE
No Scale

PROJECT ENGINEER A. Kocals
 IN CHARGE OF L.H. Turner
 DESIGNED BY B.V. Perry
 DESIGN CHECKED BY L.H. Turner
 DETAILED BY M.E. Galloway
 DETAIL CHECKED BY D. Doyle

BRIDGE NO. 5
 NEW S.H. over PENN-CENTRAL R.R.
 EUCLID - NORTH SYRACUSE
 NB 178+14.85+H6+35.19; SB 178+48.57+H5+86.56
DRAINAGE DETAILS
 DRAWING NO. 3 OF 16

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		207	257

EUCLID-NORTH SYRACUSE



SUBSTRUCTURE NOTES:

All sod, topsoil and unsuitable material under the sub-structure embankment shall be removed as specified under the General Excavation Specifications and replaced by the same item as the layer of embankment adjacent and above as shown on the plans.

All embankments of Selected Granular Fill, Item 2EP-B and Selected Fill, (Bridge Foundation) Item 2VJ-D, shall be compacted to a minimum dry density of 100% of Maximum Density as defined under "h. Embankments" of the General Excavation Specifications. However, where the material contains more than 30%, by weight, of particles retained on the 3/4 inch sieve, a minimum dry density of 95% of the Maximum Density will be required.

The Contractor shall place and compact all fill for bridges between the final toes of slope in accordance with the plans and specifications in a manner satisfactory to the Deputy Chief Engineer (Design). The embankment constructed to the subgrade shall be allowed to stand a minimum of one month or for a period of time as determined by the Deputy Chief Engineer (Design) prior to any substructure construction.

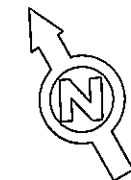
Items 2 and 2VJ-D shall be placed simultaneously, in contact, on both sides of the vertical payment line. Sheeting or other means shall not be used to separate the two materials.

The installation of Selected Fill, Item 2EP-B, as shown on the structural plans, shall be completed immediately following the completion of abutments or walls.

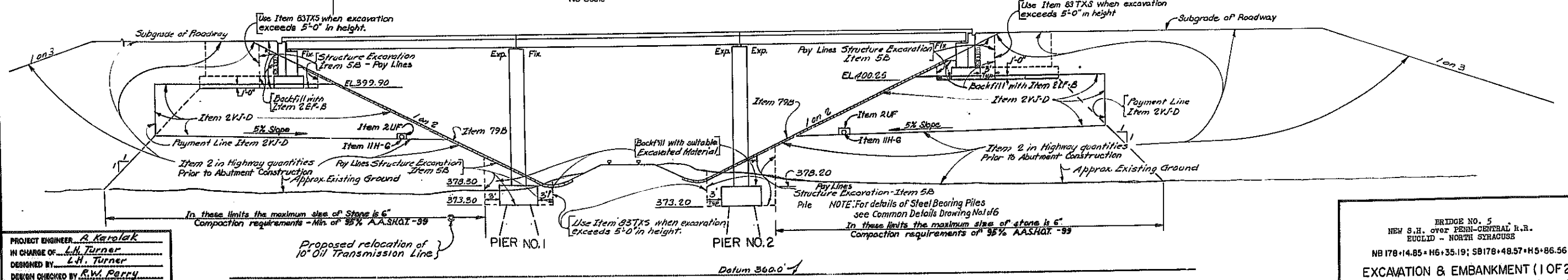
Remove unsuitable material prior to constructing abutment-embankment. Construct abutment to subgrade elevation including abutment area, and wait one (1) month minimum before excavating for abutment construction.

PILES FOR PIER FOOTING - 10 BP42 - 56 TON STEEL BEARING PILES
 EST. LENGTH - 25' WITH REINFORCED TP
 TEST PILE 2 PER FOOTING - 30'

For Section B-B and C-C
 See Dwg. No. 5.



EMBANKMENT DETAILS
 No Scale

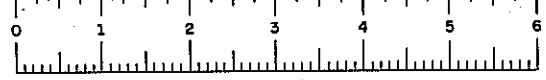


PROJECT ENGINEER A. Karolak
 IN CHARGE OF L.H. Turner
 DESIGNED BY L.H. Turner
 DESIGN CHECKED BY R.W. Parry
 DETAIL CHECKED BY P. Decker
 MATERIAL CHECKED BY J. LaSalle

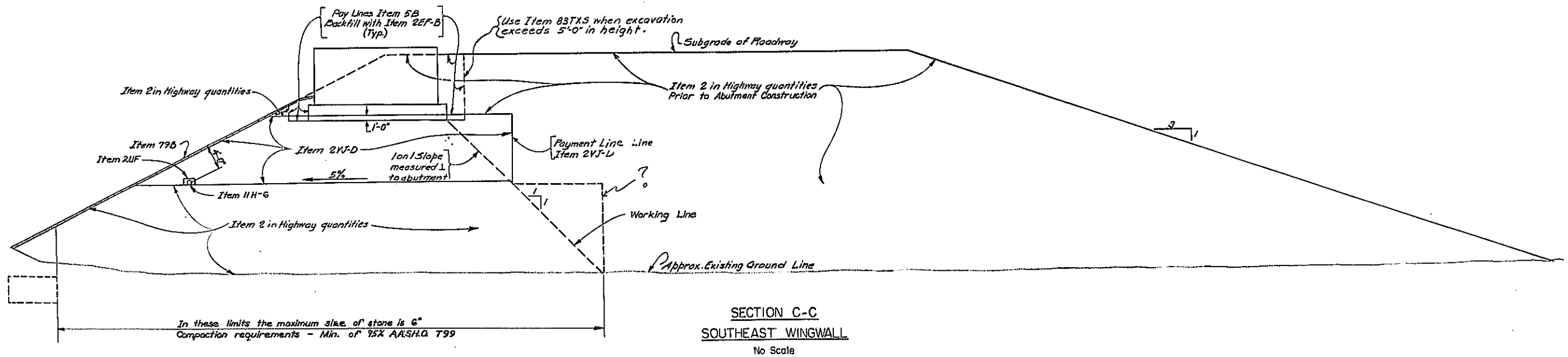
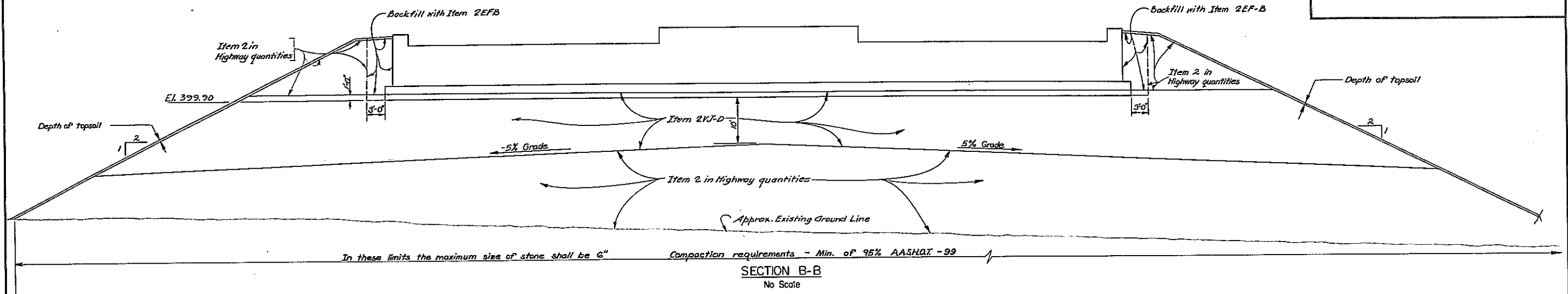
Proposed relocation of 10" Oil Transmission Line

SECTION A-A
 No Scale

BRIDGE NO. 5
 NEW S.H. over PENN-GENERAL R.R.
 EUCLID - NORTH SYRACUSE
 NB 178+14.85+H6+35.19; SB 178+48.57+H5+86.56
EXCAVATION & EMBANKMENT (1 OF 2)
 DRAWING NO. 4 OF 16



FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		20B	257
EUCLID-NORTH SYRACUSE				



PROJECT ENGINEER A. Karolik
 IN CHARGE OF L.H. Turner
 DESIGNED BY L.H. Turner
 DESIGN CHECKED BY R.W. Perry
 DETAILED BY R. Decker
 DETAIL CHECKED BY J. La Sacco

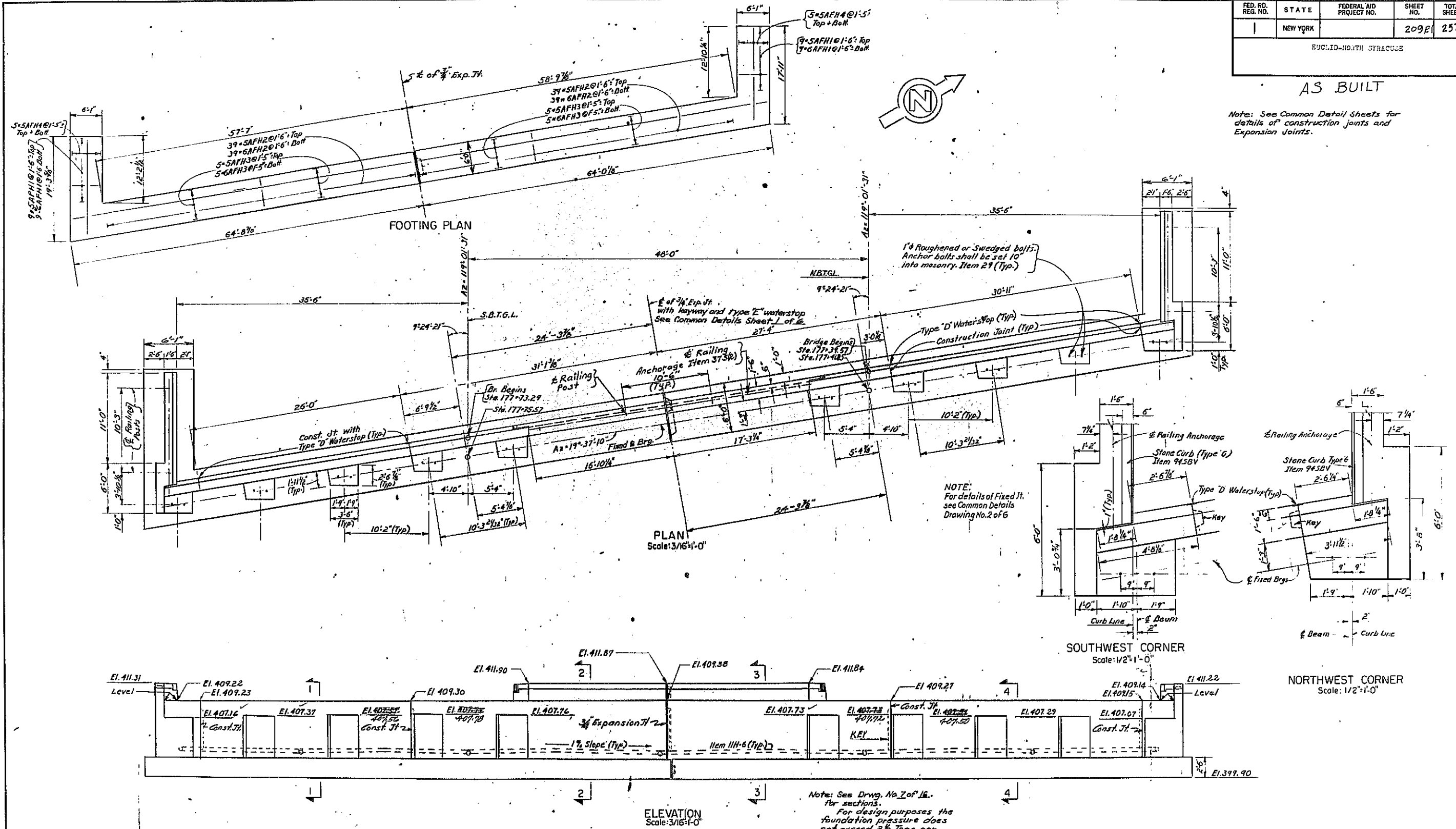
BRIDGE NO. 5
 NEW S.H. over PENN-CENTRAL R.R.
 EUCLID - NORTH SYRACUSE
 NB 178+14.85+16+35.19; SB 178+48.57+15+86.56
EXCAVATION & EMBANKMENT (2 OF 2)
 DRAWING NO. 5 OF 16

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		209B	257

BUCLID-NORTH SYRACUSE

AS BUILT

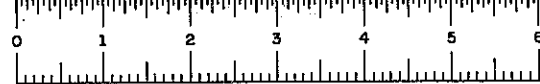
Note: See Common Detail Sheets for details of construction joints and Expansion Joints.



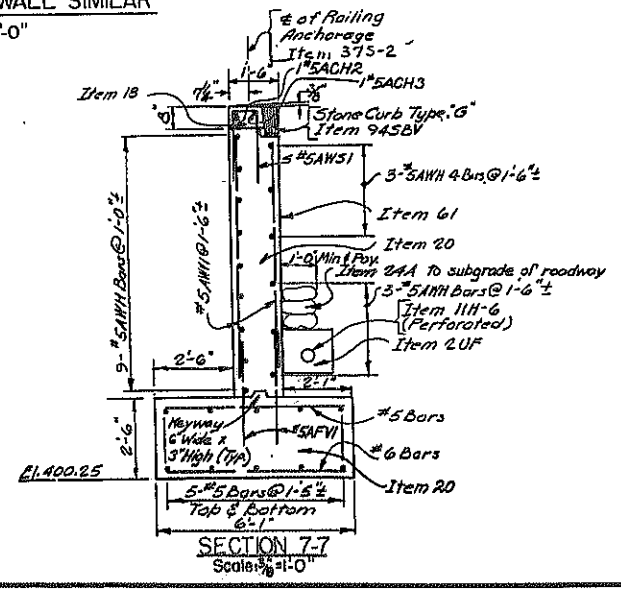
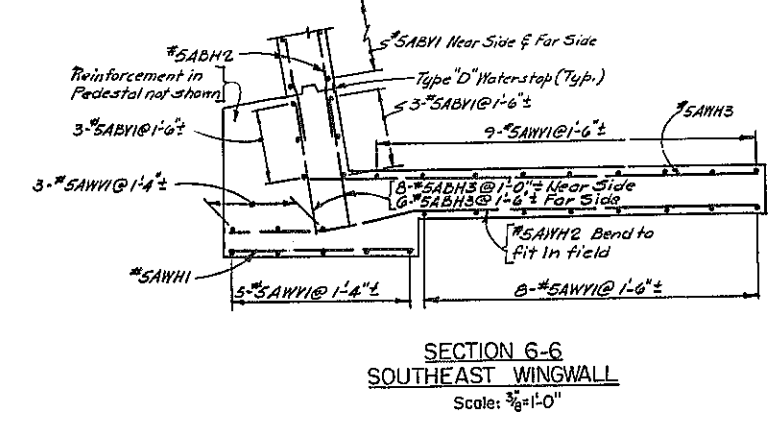
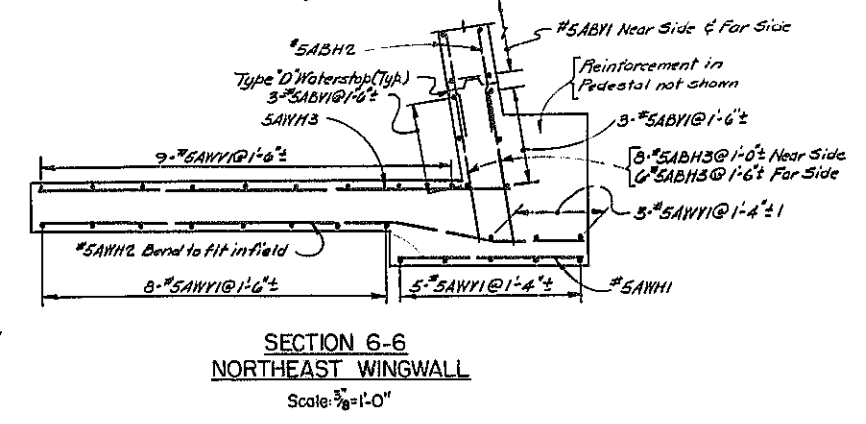
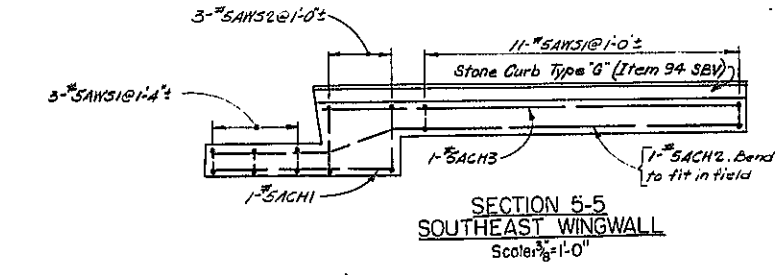
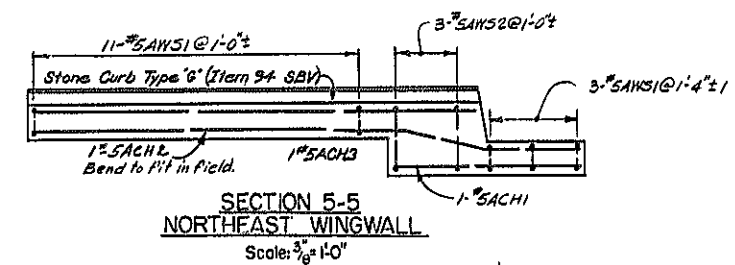
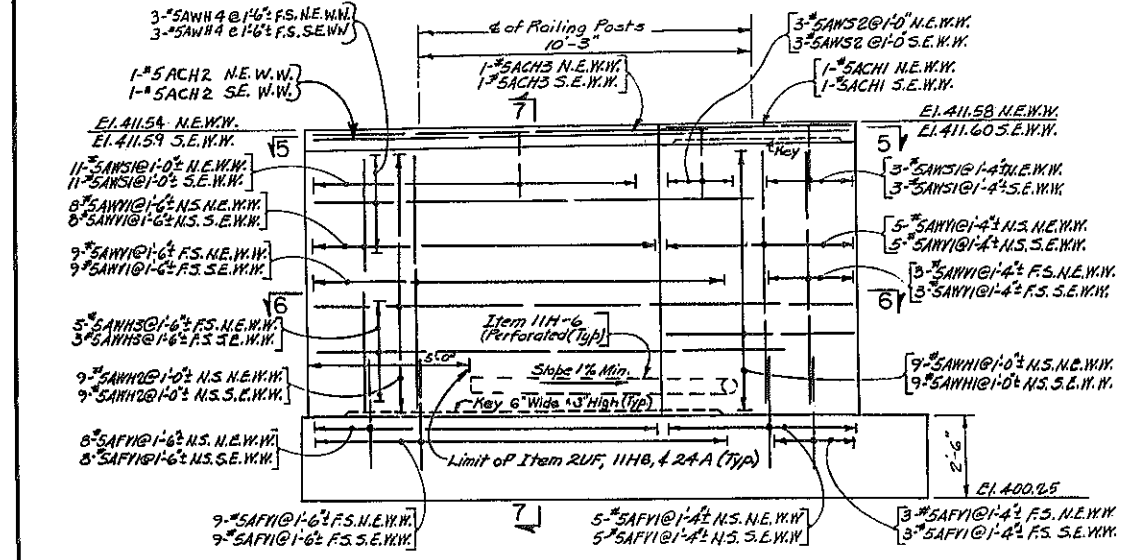
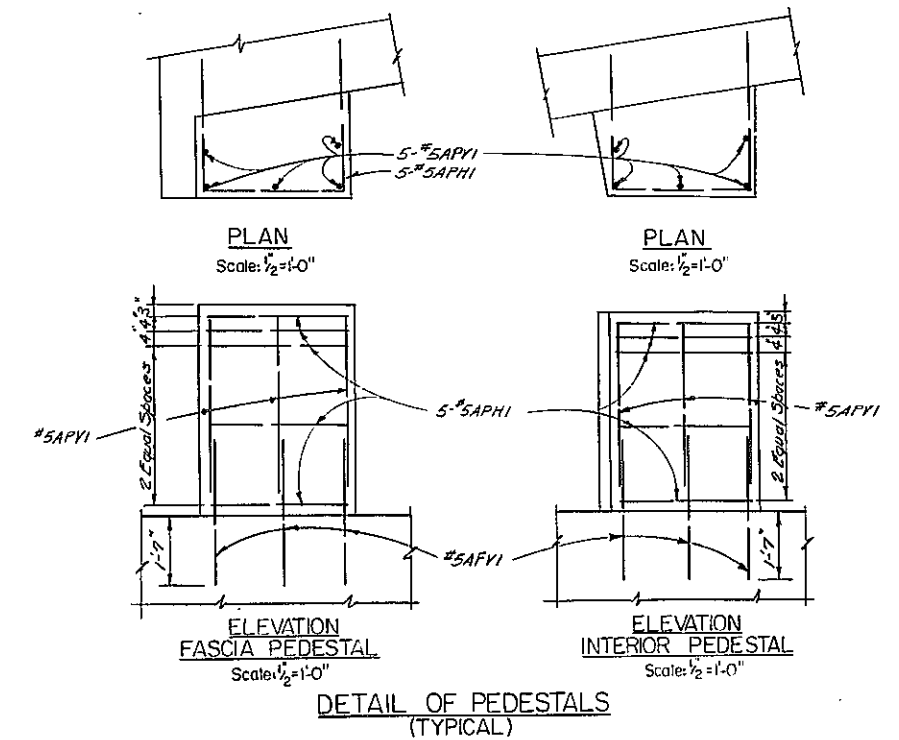
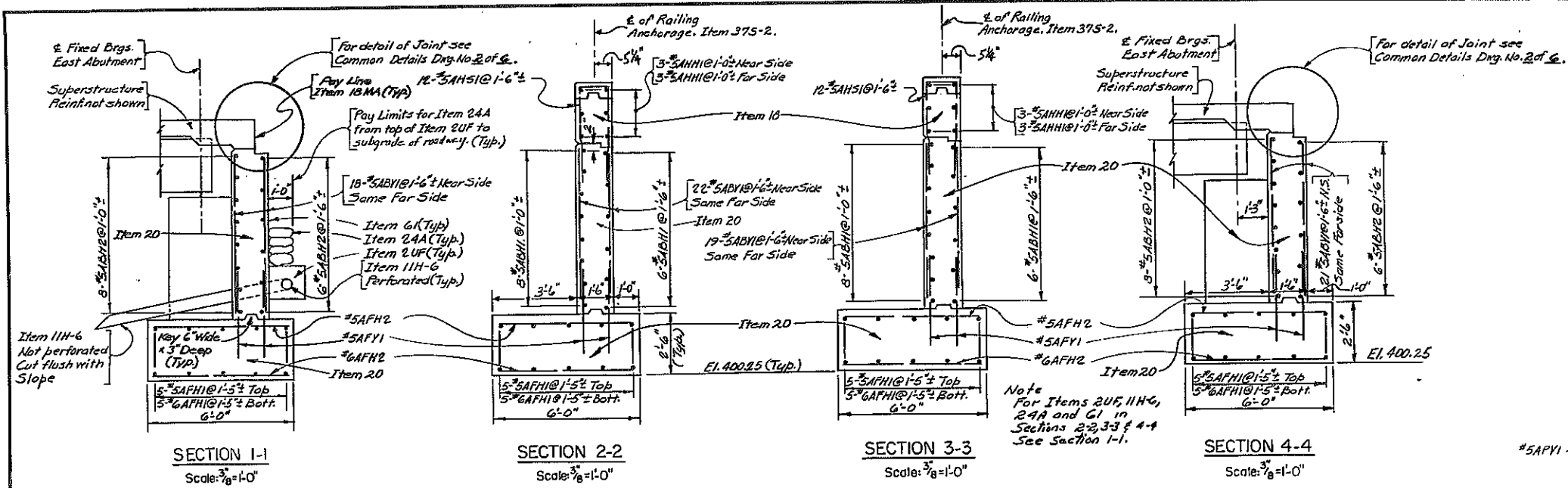
PROJECT ENGINEER A. Karolak
 IN CHARGE OF L.H. Turner
 DESIGNED BY R.W. Perry
 DESIGN CHECKED BY L.H. Turner
 DETAILED BY A. Karolak
 DETAIL CHECKED BY R. Decker

BRIDGE NO. 5
 NEW S.H. over PENN-CENTRAL R.R.
 BUCLID - NORTH SYRACUSE
 NB 178-14-85 + H6-35.19; SB 178-48-57 + H5-86.56
 WEST ABUTMENT (1 OF 2)
 DRAWING NO. 6 OF 16

As built revision:
 Altered Br. Pedestal Elevations



FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		212	251
EUCLID-NORTH SYRACUSE				

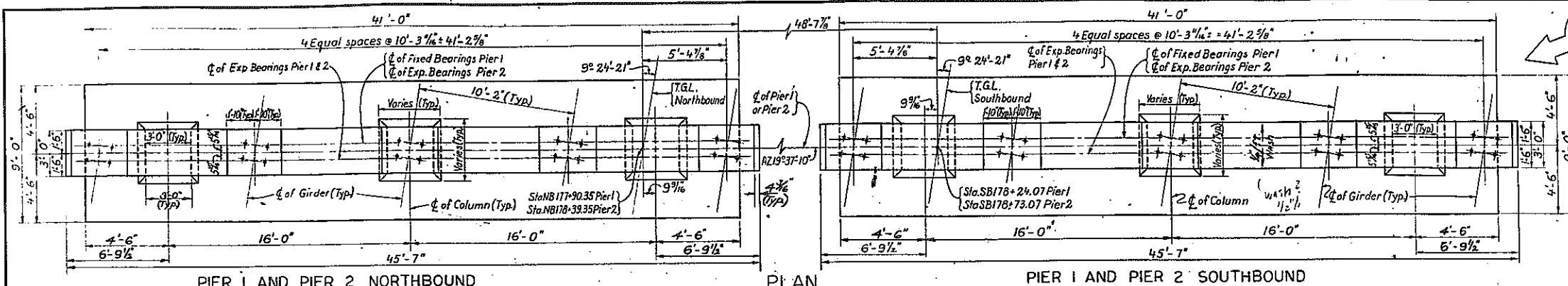


PROJECT ENGINEER: A. Kozelch
 IN CHARGE OF: L.H. Turner
 DESIGNED BY: R.W. Perry
 DESIGN CHECKED BY: L.H. Turner
 DETAIL CHECKED BY: J. Spitznagel
 CHECKED BY: R. Decker

BRIDGE NO. 5
 NEW S.R. over PENN-CENTRAL R.R.
 EUCLID - NORTH SYRACUSE
 NB 178+14.65+HG+35.19; SB 178+48.57+H5+86.56
EAST ABUTMENT (2 OF 2)
 DRAWING NO. 9 OF 16

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		21381	257

EUCLID-NORTH SYRACUSE
AS BUILT

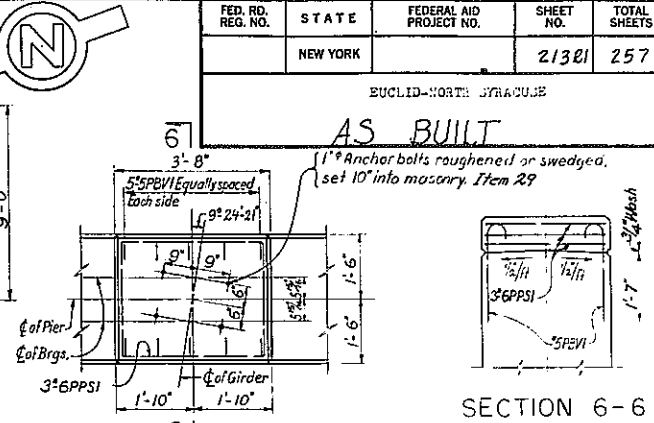


PIER 1 AND PIER 2 NORTHBOUND

PLAN

PIER 1 AND PIER 2 SOUTHBOUND

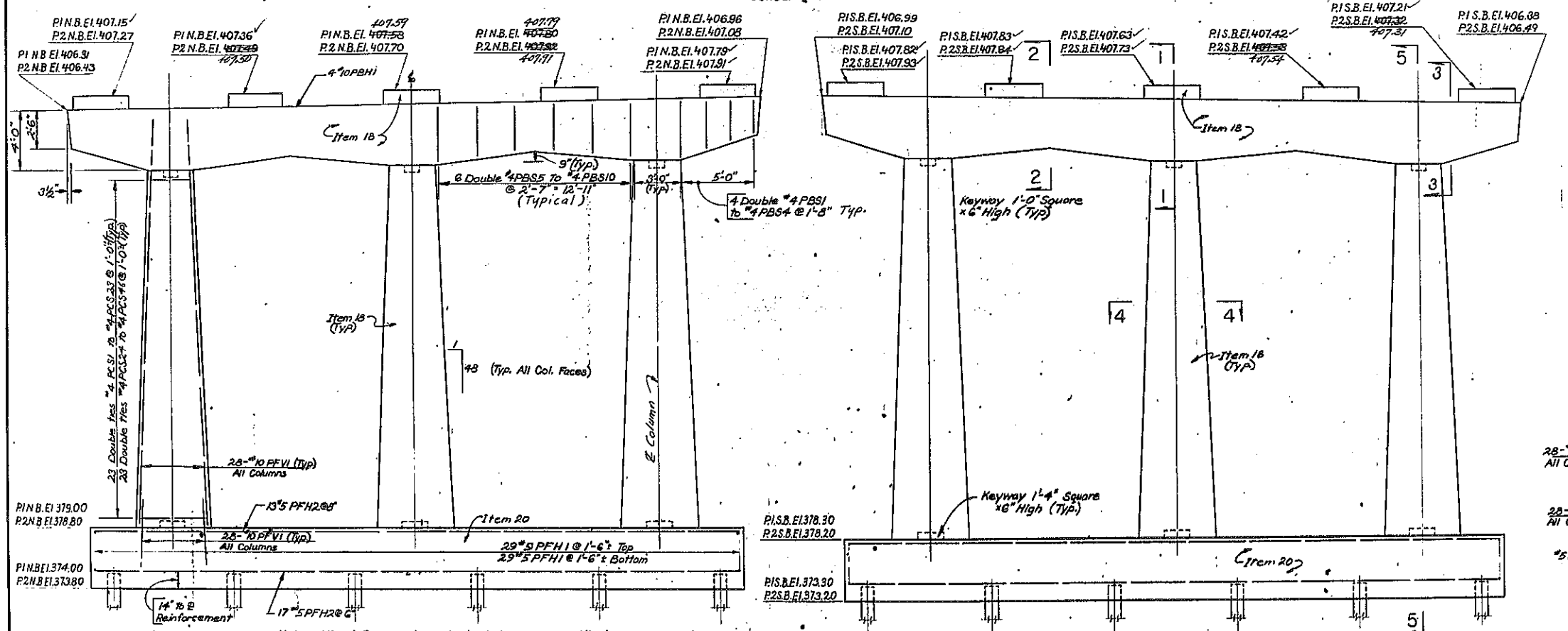
SCALE: 1/4" = 1'-0"



SECTION 6-6

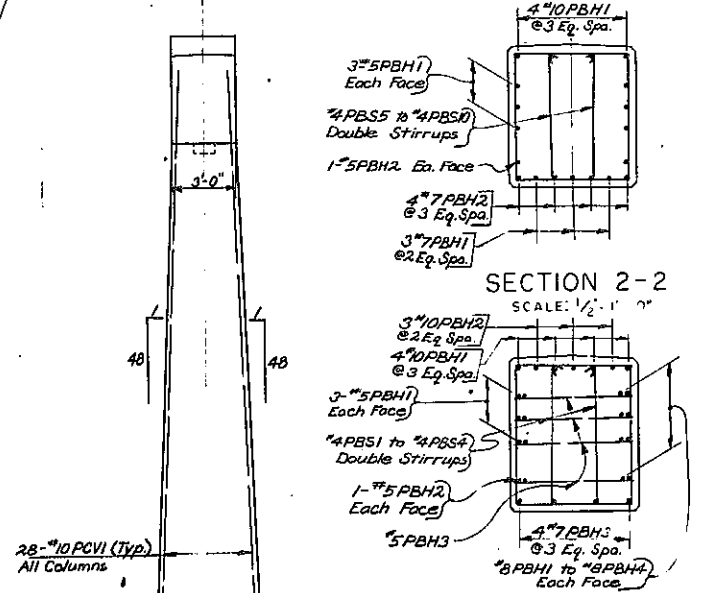
TYPICAL PEDESTAL DETAIL

SCALE: 1/2" = 1'-0"



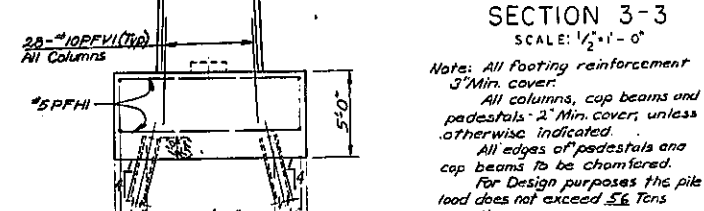
ELEVATION

SCALE: 1/4" = 1'-0"



SECTION 2-2

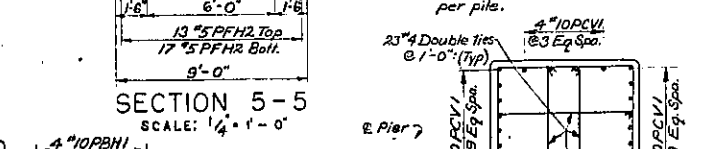
SCALE: 1/2" = 1'-0"



SECTION 3-3

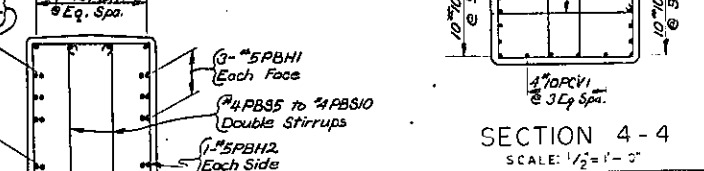
SCALE: 1/2" = 1'-0"

Note: All footing reinforcement 3" Min. cover.
All columns, cap beams and pedestals - 2" Min. cover, unless otherwise indicated.
All edges of pedestals and cap beams to be chamfered.
For Design purposes the pile load does not exceed 56 Tons per pile.



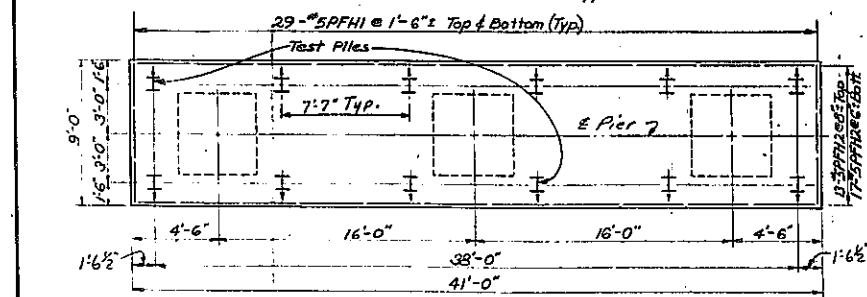
SECTION 5-5

SCALE: 1/4" = 1'-0"



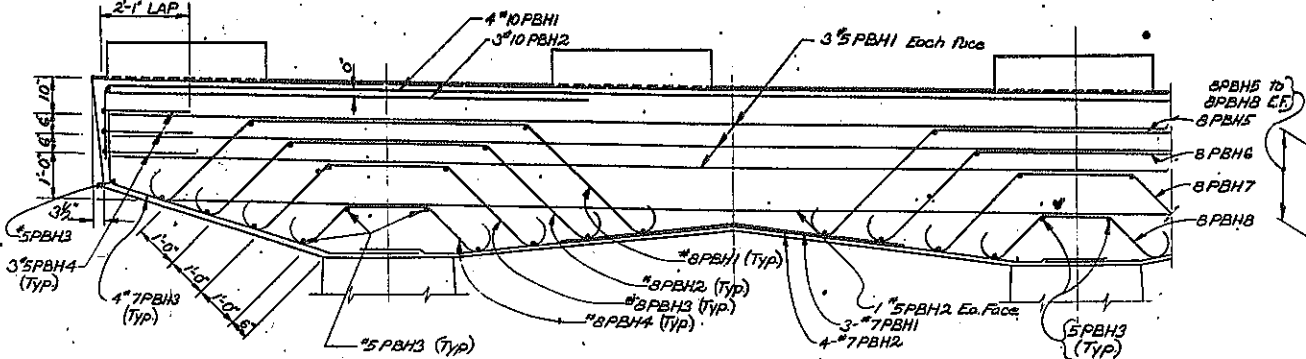
SECTION 4-4

SCALE: 1/2" = 1'-0"



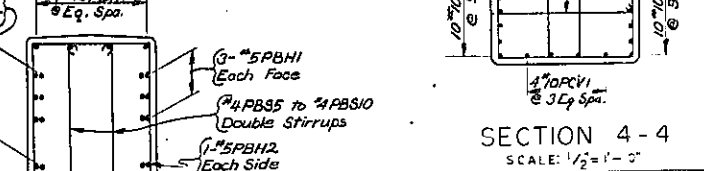
TYPICAL FOOTING PLAN

SCALE: 3/16" = 1'-0"



TYPICAL CAP BEAM REINFORCEMENT

SCALE: 1/2" = 1'-0"



SECTION 1-1

SCALE: 1/2" = 1'-0"

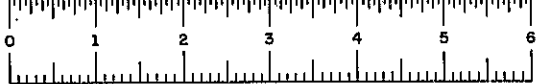
PROJECT ENGINEER **A. Karolak**
IN CHARGE OF **L.H. Turner**
DESIGNED BY **R.W. Perry**
DESIGN CHECKED BY **S. Rowe**
DETAILED BY **S. Rowe**
DETAIL CHECKED BY **S. Rowe**

Note: (All Transverse Bars #5)

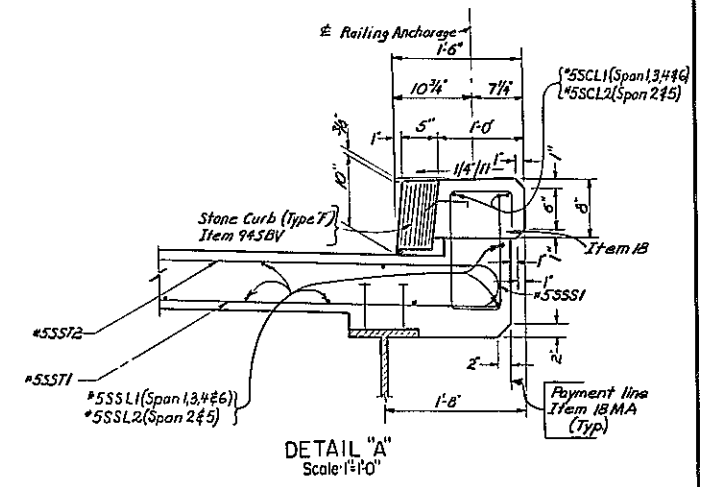
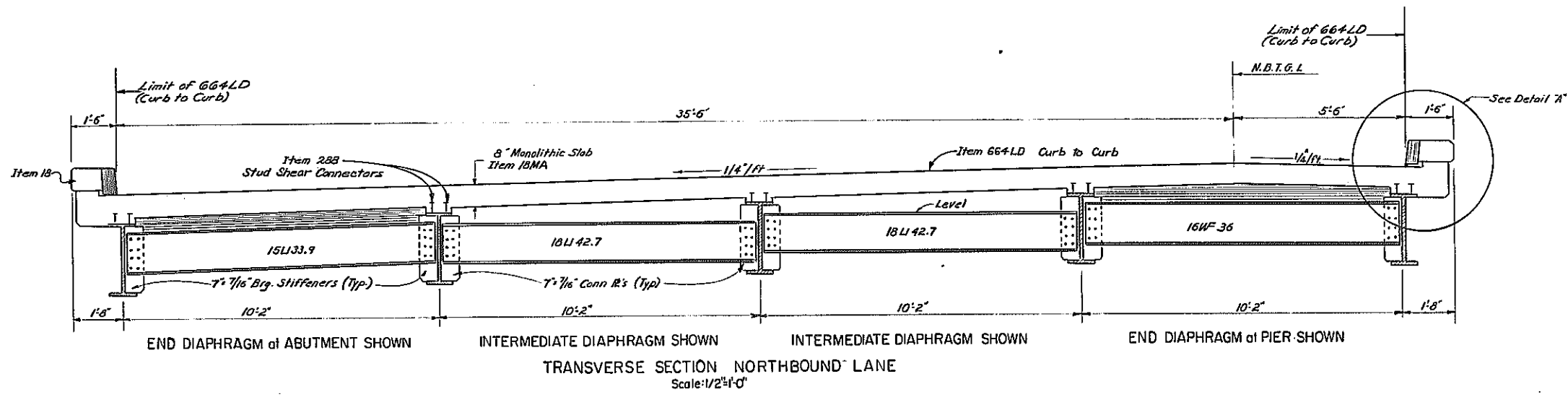
As built revision:
Altered Br. Pedestal
Elevation & Piers

BRIDGE NO. 5
NEW S.H. over PENN-CENTRAL R.R.
EUCLID - NORTH SYRACUSE
NB178+14.85 = H6+35.19; SB178+48.57 = H5+66.56

PIERS
DRAWING NO. 10 OF 16



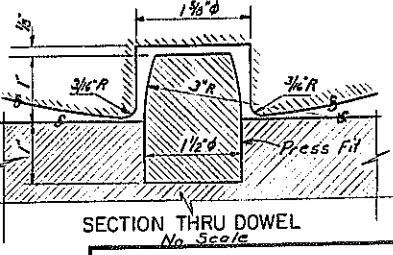
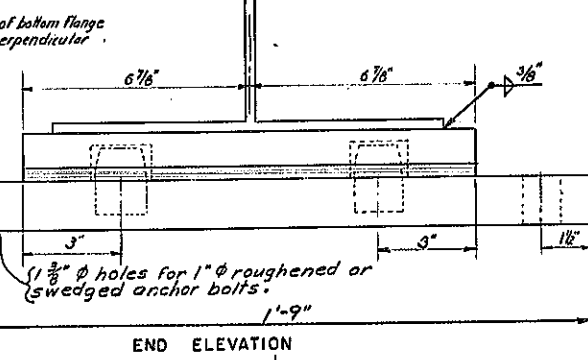
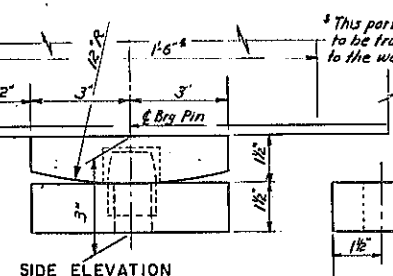
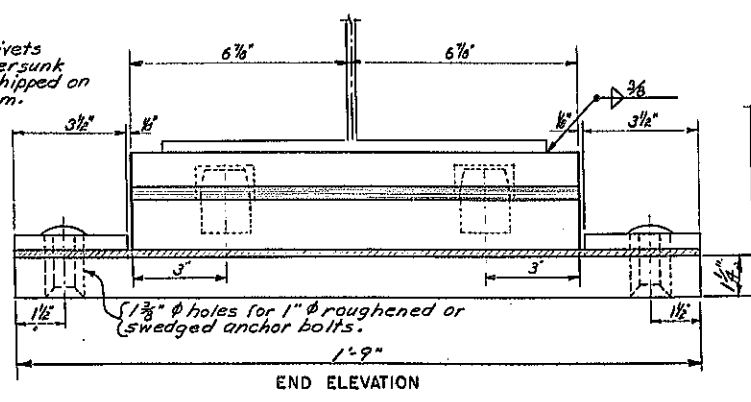
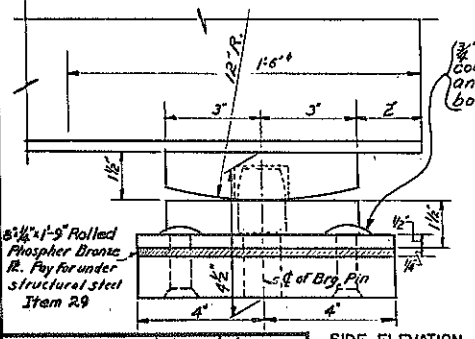
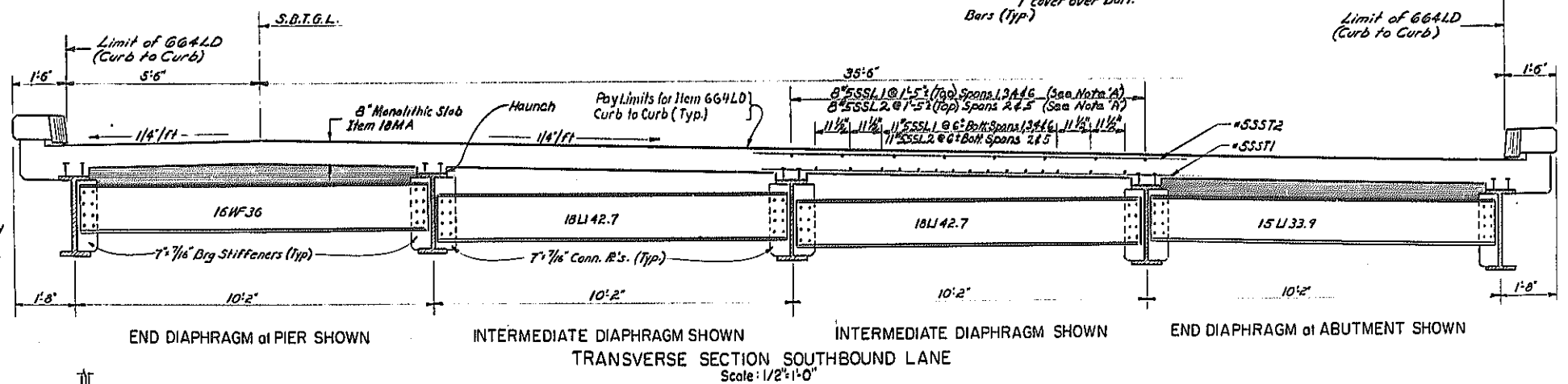
FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		214	257
EUCLED-NORTH SYRACUSE				



Note: See sheet 12 for Railing and Railing Anchorage Details.

NOTE 'A': Reinforcement Bars are identical between all girders (Both Lanes) except as noted. 2" cover over Top Bars (Typ). 1" cover over Bottom Bars (Typ).

NOTE: Where holes are indicated these connections shall be made with 7/8" rivets or high strength bolts. Holes and rivets or bolts may be omitted and welding substituted if contractor so elects. Amount of welding used shall be equivalent in strength to the rivets or bolts.

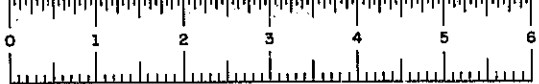


PROJECT ENGINEER A. Karolak
 IN CHARGE OF L.H. Turner
 DESIGNED BY L.H. Turner
 DESIGN CHECKED BY R.W. Perry
 DETAILED BY W. J. Decker
 SERIAL CHECKED BY R. Decker

EXPANSION BEARINGS
NO SCALE

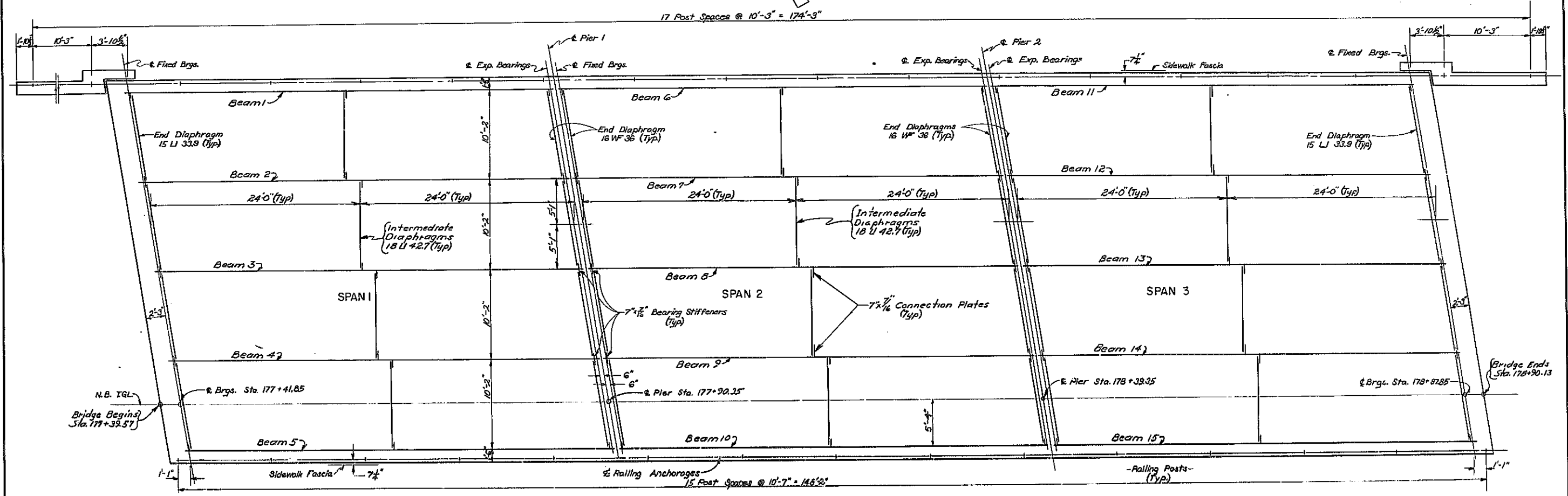
FIXED BEARINGS
NO SCALE

BRIDGE NO. 5
 NEW S.H. over PENN-CENTRAL R.R.
 EUCLED - NORTH SYRACUSE
 NB 178+14.85+HG+35.19; SB 178+48.57+H5+85.56
 SUPERSTRUCTURE (1 OF 4)
 DRAWING NO. 11 OF 16



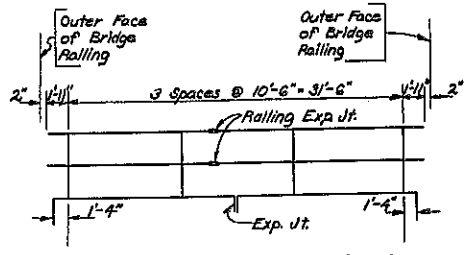
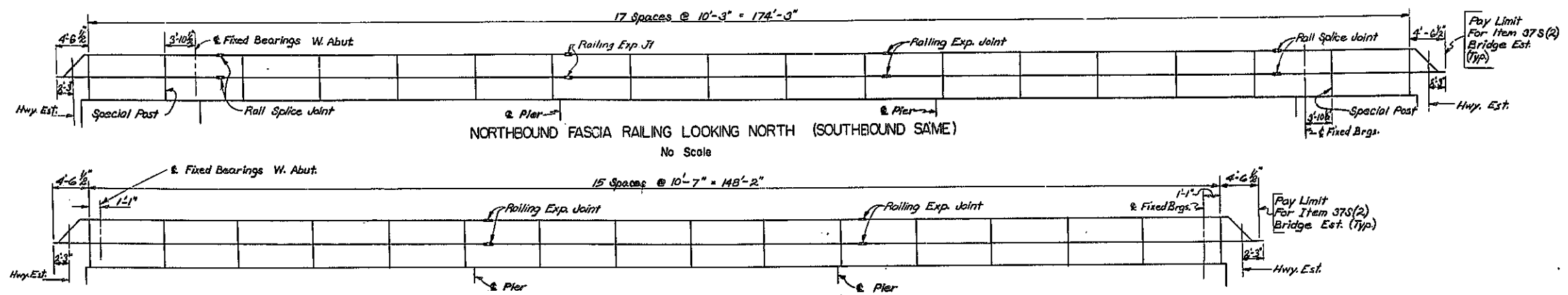
FED. RD. PROJ. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		215	257

EUCLID-NORTH SYRACUSE



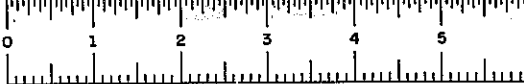
NORTHBOUND FRAMING PLAN
Scale: 1/8" = 1'-0"

Note:
For Beam Details,
see sheet 12 of 16

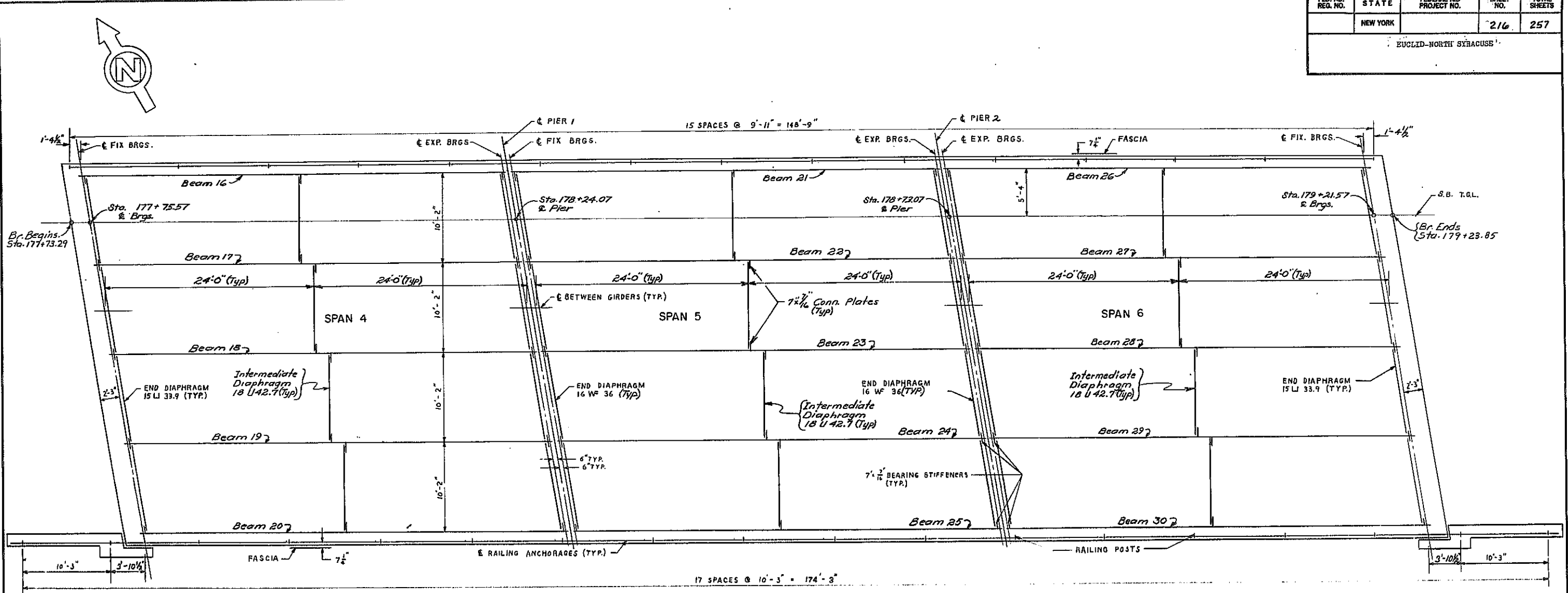


PROJECT ENGINEER A. Karolak
 IN CHARGE OF L.H. Turner
 DESIGNED BY L.H. Turner
 DESIGN CHECKED BY R.W. Perry
 DETAIL CHECKED BY W. Lemler & F.D. Doyle
 DETAIL CHECKED BY R.J. Fitzpatrick

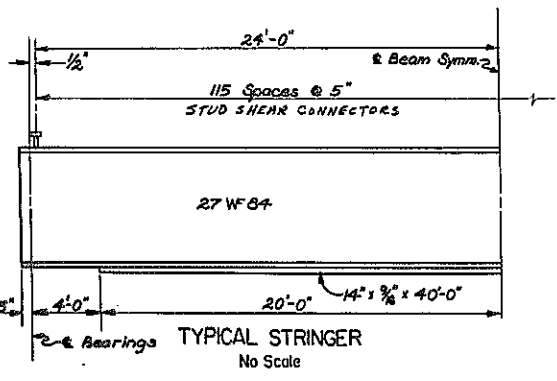
BRIDGE NO. 5
 NEW S.H. over PENN-CENTRAL R.R.
 EUCLID - NORTH SYRACUSE
 NB 178+14.85+H6+35.19; SB 178+48.57+H5+86.56
SUPERSTRUCTURE (2 OF 4)
 DRAWING NO. 12 OF 16



SH 69-5 RC 69-10		FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
			NEW YORK		216	257
EUCLID-NORTH SYRACUSE						



SOUTHBOUND FRAMING PLAN
SCALE 1/8" = 1'-0"

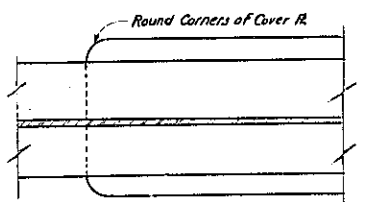


For detail of Stud Shear Connectors see Common Details Dwg. No. 1 of 6 and 2 of 6.

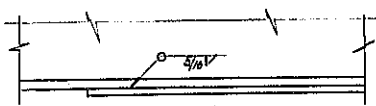
Note: For detail of 'N' dimension see Common Details Dwg. No. 3 of 6.

NORTHBOUND						
BEAM NO.	BOTTOM OF SLAB ELEVATION			"N" DIM.	BRG. BASE R. THICKNESS	
	WEST BEARING	℄ BEAM	EAST BEARING		WEST	EAST
1	409.72	409.83	409.92	1.57	1 1/2" B	1 1/4" A
2	409.94	410.05	410.14	1.36	" "	" "
3	410.16	410.27	410.36	1.15	" "	" "
4	410.38	410.49	410.57	0.93	" "	" "
5	410.38	410.48	410.57	0.94	" "	" "
6	409.93	410.00	410.05	1.57	" "	" "
7	410.14	410.21	410.26	1.36	" "	" "
8	410.36	410.43	410.48	1.15	" "	" "
9	410.58	410.64	410.69	0.93	" "	" "
10	410.57	410.64	410.68	0.94	" "	" "
11	410.05	410.08	410.09	1.57	1 1/4" A	1 1/2" B
12	410.26	410.29	410.30	1.36	" "	" "
13	410.48	410.51	410.52	1.15	" "	" "
14	410.69	410.72	410.73	0.93	" "	" "
15	410.68	410.71	410.72	0.94	" "	" "

SOUTHBOUND						
BEAM NO.	BOTTOM OF SLAB ELEVATION			"N" DIM.	BRG. BASE R. THICK.	
	WEST BEARING	℄ BEAM	EAST BEARING		WEST	EAST
16	410.41	410.51	410.59	0.94	1 1/2" B	1 1/4" A
17	410.42	410.53	410.61	0.93	" "	" "
18	410.22	410.32	410.40	1.15	" "	" "
19	410.02	410.12	410.20	1.36	" "	" "
20	409.81	409.91	409.99	1.57	" "	" "
21	410.50	410.66	410.71	0.94	" "	" "
22	410.61	410.67	410.72	0.93	" "	" "
23	410.41	410.47	410.51	1.14	" "	" "
24	410.20	410.26	410.30	1.36	" "	" "
25	409.99	410.05	410.09	1.57	" "	" "
26	410.71	410.73	410.74	0.94	1 1/4" A	1 1/2" B
27	410.72	410.74	410.75	0.93	" "	" "
28	410.51	410.53	410.54	1.14	" "	" "
29	410.30	410.32	410.33	1.36	" "	" "
30	410.09	410.11	410.11	1.57	" "	" "



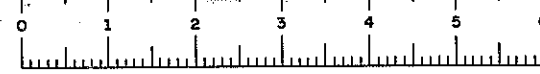
PARTIAL PLAN OF COVER PLATE
No Scale



PARTIAL ELEV. OF COVER PLATE
No Scale

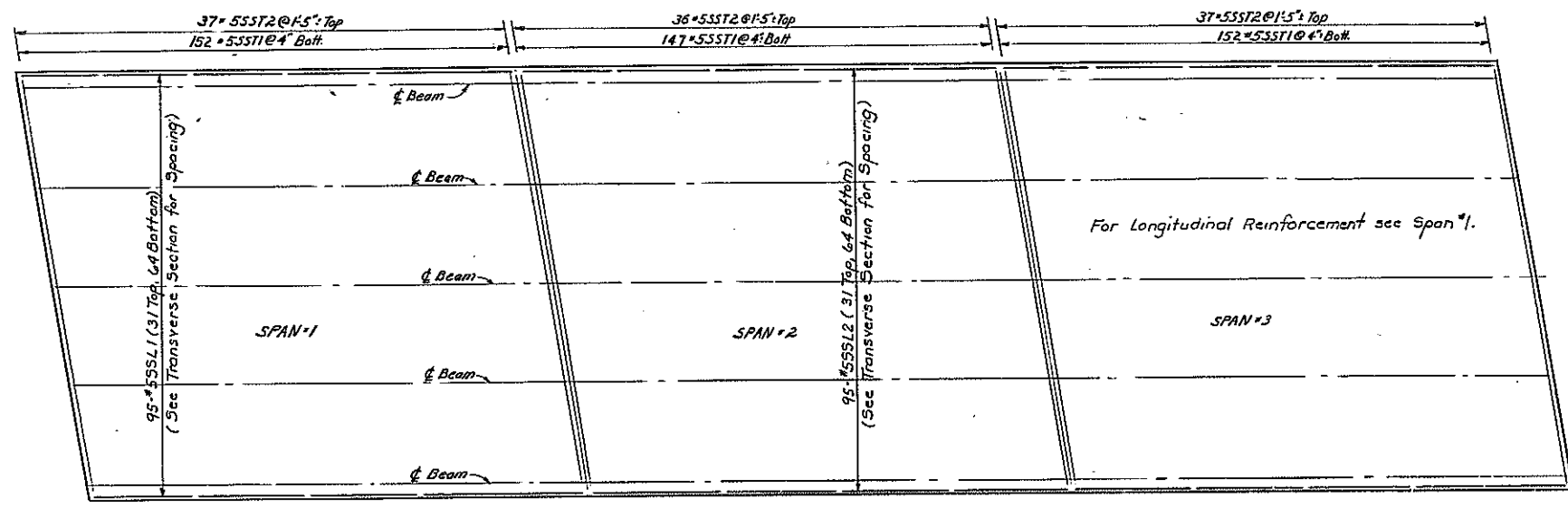
PROJECT ENGINEER *A. Koroluk*
IN CHARGE OF *L.H. Turner*
DESIGNED BY *L.H. Turner*
DESIGN CHECKED BY *R.W. Perry*
DETAILED BY *W. LEMLER*
CHECKED BY *A. Koroluk*

BRIDGE NO. 5
NEW S.H. over PENN-CENTRAL B.R.
EUCLID - NORTH SYRACUSE
NB 178+14.85+H6+35.19; SB 178+48.57+H5+86.56
SUPERSTRUCTURE (3 OF 4)
DRAWING NO. 13 OF 16

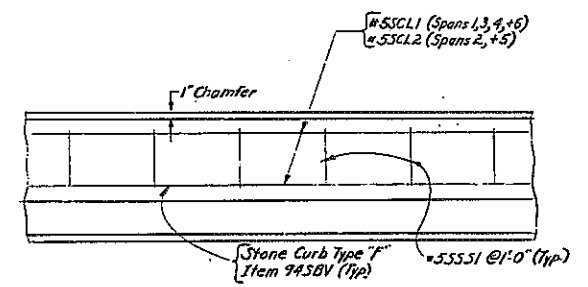


SH 69-5 RC 69-102

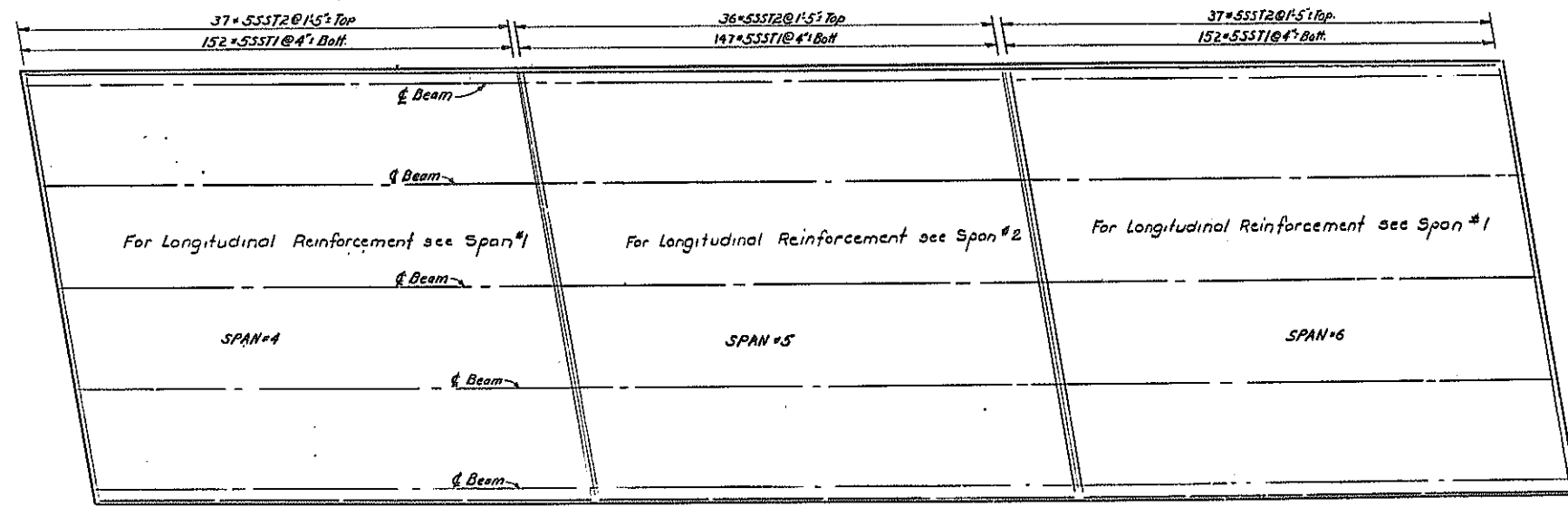
FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		217	257
EUCLID-NORTH SYRACUSE				



NORTHBOUND SLAB REINFORCEMENT
Scale: 1/8" = 1'-0"



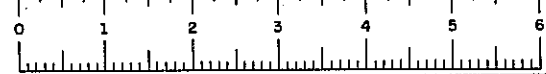
PARTIAL PLAN OF SAFETYWALK REINFORCEMENT
Scale: 1/4" = 1'-0"



SOUTHBOUND SLAB REINFORCEMENT
Scale: 1/8" = 1'-0"

PROJECT ENGINEER A. Karolak
 IN CHARGE OF L.H. Turner
 DESIGNED BY L.H. Turner
 DESIGN CHECKED BY R.W. Perry
 DETAILED BY W. J. Johnson & D. J. Sander
 CHECKED BY R. Decker

BRIDGE NO. 5
 NEW S.H. over PENN-CENTRAL R.R.
 EUCLID - NORTH SYRACUSE
 NB 178+14.85+H6+35.19; SB 178+48.57+H5+86.56
 SUPERSTRUCTURE (4 OF 4)
 DRAWING NO. 14 OF 16



FED. RD. RES. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	N.Y.		218	257
EUCLID-NORTH SYRACUSE				

MARK	SIZE	NO.	LENGTH	TYPE	A	B	C	D	E	F	G	LOCATION
SUPERSTRUCTURE - NORTHBOUND												
555T1	5	451	43-11"	Str.								Trans. in Slab
555T2	5	110	45-1"	I	43-11"	7"						Trans. in Slab
555L1	5	190	50-5"	Str.								Longit. in Slab
555L2	5	95	48-8"	Str.								Longit. in Slab
555S1	5	308	3-4"	XXI	6"	8"	1-1"	6"	1-0"			Stirrup in Siderwalk
55CL1	5	8	50-5"	Str.								Longit. in Siderwalk
55CL2	5	4	48-8"	Str.								Longit. in Siderwalk

MARK	SIZE	NO.	LENGTH	TYPE	A	B	C	D	E	F	G	LOCATION
SUPERSTRUCTURE - SOUTHBOUND												
555T1	5	451	43-11"	Str.								Trans. in Slab
555T2	5	110	45-1"	I	43-11"	7"						Trans. in Slab
555L1	5	190	50-5"	Str.								Longit. in Slab
555L2	5	95	48-8"	Str.								Longit. in Slab
555S1	5	308	3-4"	XXI	6"	8"	1-1"	6"	1-0"			Stirrup in Siderwalk
55CL1	5	8	50-5"	Str.								Longit. in Siderwalk
55CL2	5	4	48-8"	Str.								Longit. in Siderwalk

MARK	SIZE	NO.	LENGTH	TYPE	A	B	C	D	E	F	G	LOCATION
WEST ABUTMENT - SOUTHBOUND LANE												
6AFH1	5	9	5-7"	Str.								Horiz. Footing
6AFH2	5	39	5-6"	Str.								Horiz. Footing
6AFH3	5	10	32-9"	Str.								Horiz. Footing
6AFH4	5	10	18-1"	Str.								Horiz. Footing
6AFH1	6	9	5-7"	Str.								Horiz. Footing
6AFH2	6	39	5-6"	Str.								Horiz. Footing
6AFH3	6	10	32-9"	Str.								Horiz. Footing
6AFV1	5	136	3-6"	Str.								Vert. Footing
6AWY1	5	25	7-5"	Str.								Vert. Wingwall
6AWH1	5	9	5-8"	Str.								Horiz. Curtainwall
6AWH2	5	9	16-10"	Str.								Horiz. Wingwall
6AWH3	5	3	14-5"	Str.								Horiz. Wingwall
6AWH4	5	3	13-3"	Str.								Horiz. Wingwall
6ACH1	5	1	5-8"	Str.								Horiz. Siderwalk
6ACH2	5	1	16-10"	Str.								Horiz. Siderwalk
6ACH3	5	1	13-3"	Str.								Horiz. Siderwalk
6AYS1	5	14	5-0"	IX	2-3"	8"	2-3"					Stirrups Siderwalk
6AYS2	5	3	6-2"	IX	2-3"	1-10"	2-3"					Stirrups Siderwalk
6ABY1	5	86	6-4"	Str.								Vert. Backwall
6ABH1	5	14	27-3"	Str.								Horiz. Backwall
6ABH2	5	14	32-5"	Str.								Horiz. Backwall
6ABH3	5	14	4-10"	Str.								Horiz. Backwall
6AHH1	5	6	16-3"	Str.								Horiz. Header
6AHS1	5	12	9-0"	IX	4-0"	1-2"	4-0"					Stirrups Header
6APY1	5	25	4-4"	Str.								Vert. Pedestals
6APH1	5	25	9-9"	IX	3-1"	3-2"	3-8"					Stirrups Pedestals

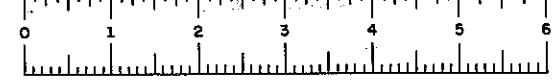
MARK	SIZE	NO.	LENGTH	TYPE	A	B	C	D	E	F	G	LOCATION
WEST ABUTMENT - NORTHBOUND LANE												
6AFH1	5	9	5-7"	Str.								Horiz. Footing
6AFH2	5	39	5-6"	Str.								Horiz. Footing
6AFH3	5	10	33-0"	Str.								Horiz. Footing
6AFH4	5	10	17-5"	Str.								Horiz. Footing
6AFH1	6	9	5-7"	Str.								Horiz. Footing
6AFH2	6	39	5-6"	Str.								Horiz. Footing
6AFH3	6	10	33-0"	Str.								Horiz. Footing
6AFV1	5	136	3-6"	Str.								Vert. Footing
6AWY1	5	25	7-5"	Str.								Vert. Wingwall
6AWH1	5	9	5-8"	Str.								Horiz. Curtainwall
6AWH2	5	9	16-10"	Str.								Horiz. Backwall
6AWH3	5	3	14-3"	Str.								Horiz. Backwall
6AWH4	5	3	13-3"	Str.								Horiz. Wingwall
6ACH1	5	1	5-8"	Str.								Horiz. Siderwalk
6ACH2	5	1	16-9"	Str.								Horiz. Siderwalk
6ACH3	5	1	13-3"	Str.								Horiz. Siderwalk
6AYS1	5	14	5-0"	IX	2-3"	8"	2-3"					Stirrups Siderwalk

PLANS MADE	PROJ. ENGR. <i>B. Karolak</i>
IN CHARGE OF	<i>A. M. Turner</i>
DESIGNED BY	<i>A. M. Turner</i>
DETAILED BY	<i>M. Streever</i>
TRACED BY	<i>A. M. Turner</i>
TRACING CHECKED BY	<i>D. Doyle</i>

MARK	SIZE	NO.	LENGTH	TYPE	A	B	C	D	E	F	G	LOCATION
WEST ABUTMENT - NORTHBOUND LANE (CONT.)												
6AWY2	5	3	6-2"	IX	2-3"	1-10"	2-3"					Stirrups Siderwalk
6ABY1	5	86	6-3"	Str.								Vert. Backwall
6ABH1	5	14	28-7"	Str.								Horiz. Backwall
6ABH2	5	14	32-2"	Str.								Horiz. Backwall
6ABH3	5	14	4-2"	Str.								Horiz. Backwall
6AHH1	5	6	16-11"	Str.								Horiz. Header
6AHS1	5	12	9-0"	IX	4-0"	1-2"	4-0"					Stirrups Header
6APY1	5	25	4-4"	Str.								Vert. Pedestals
6APH1	5	25	9-9"	IX	3-1"	3-2"	3-8"					Stirrups Pedestals

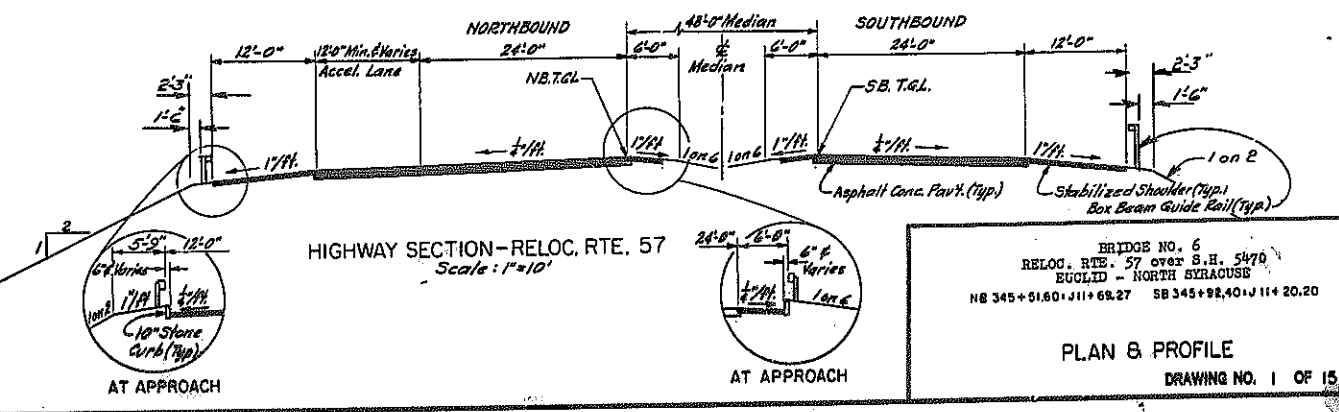
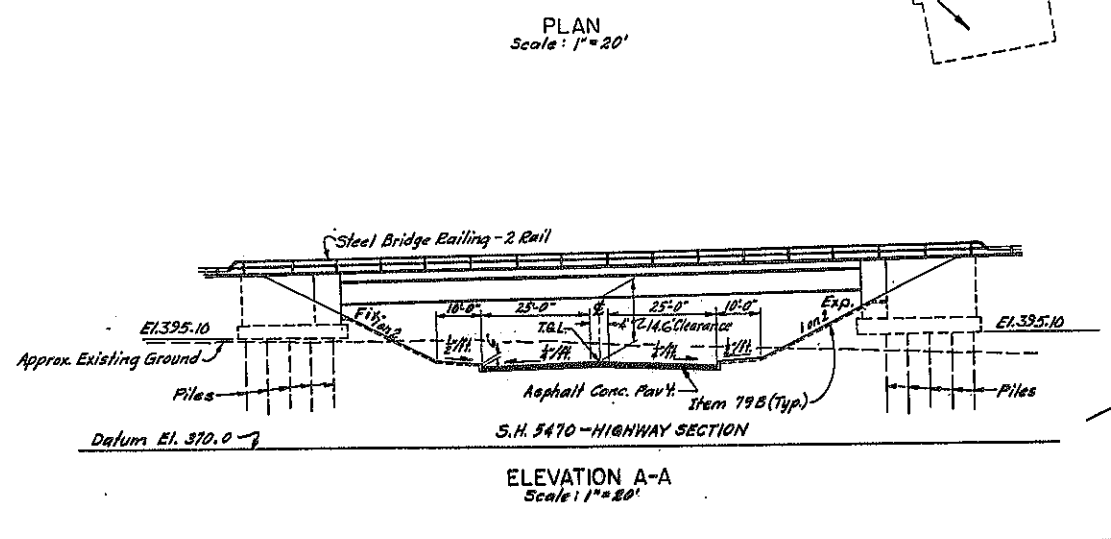
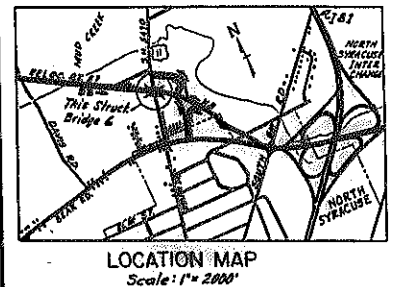
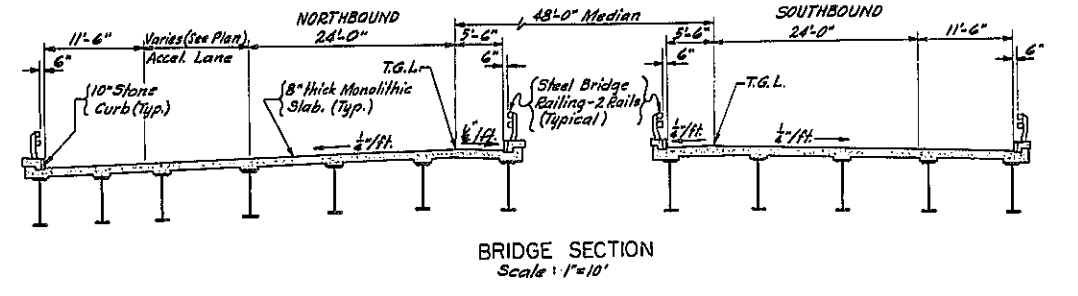
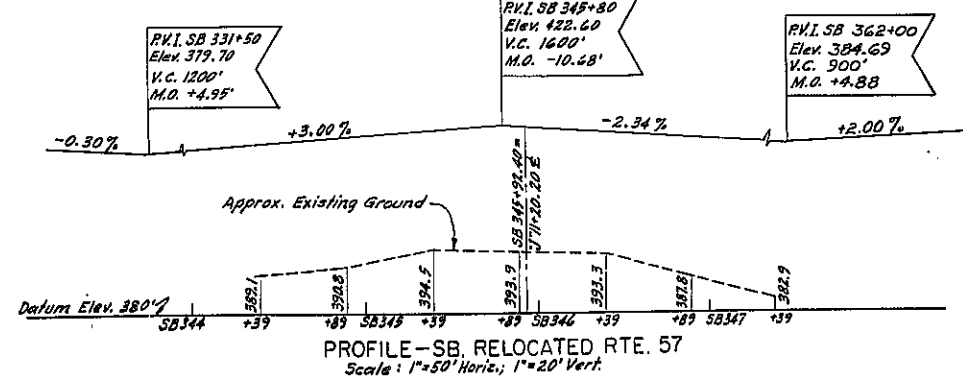
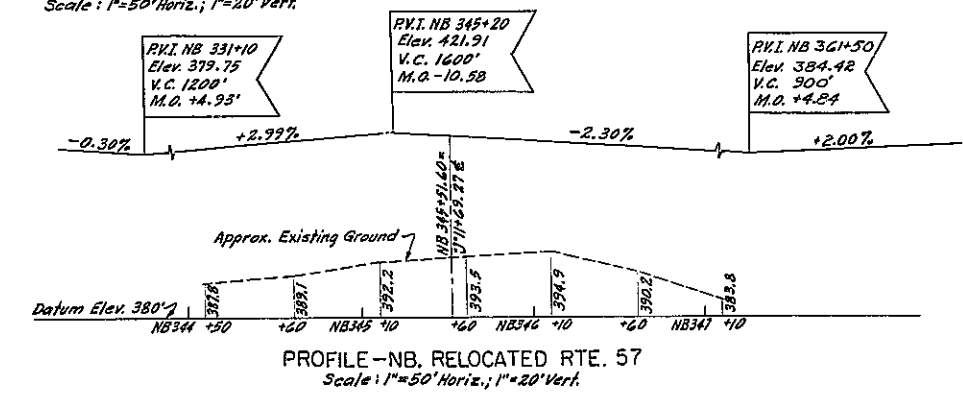
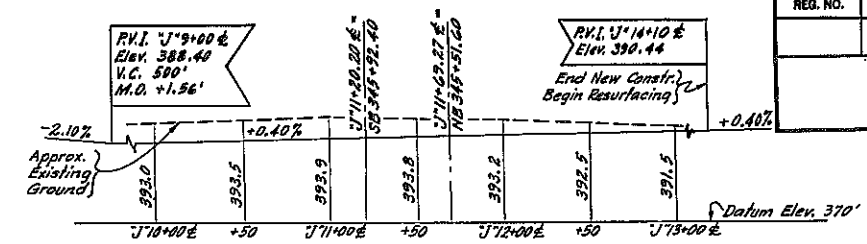
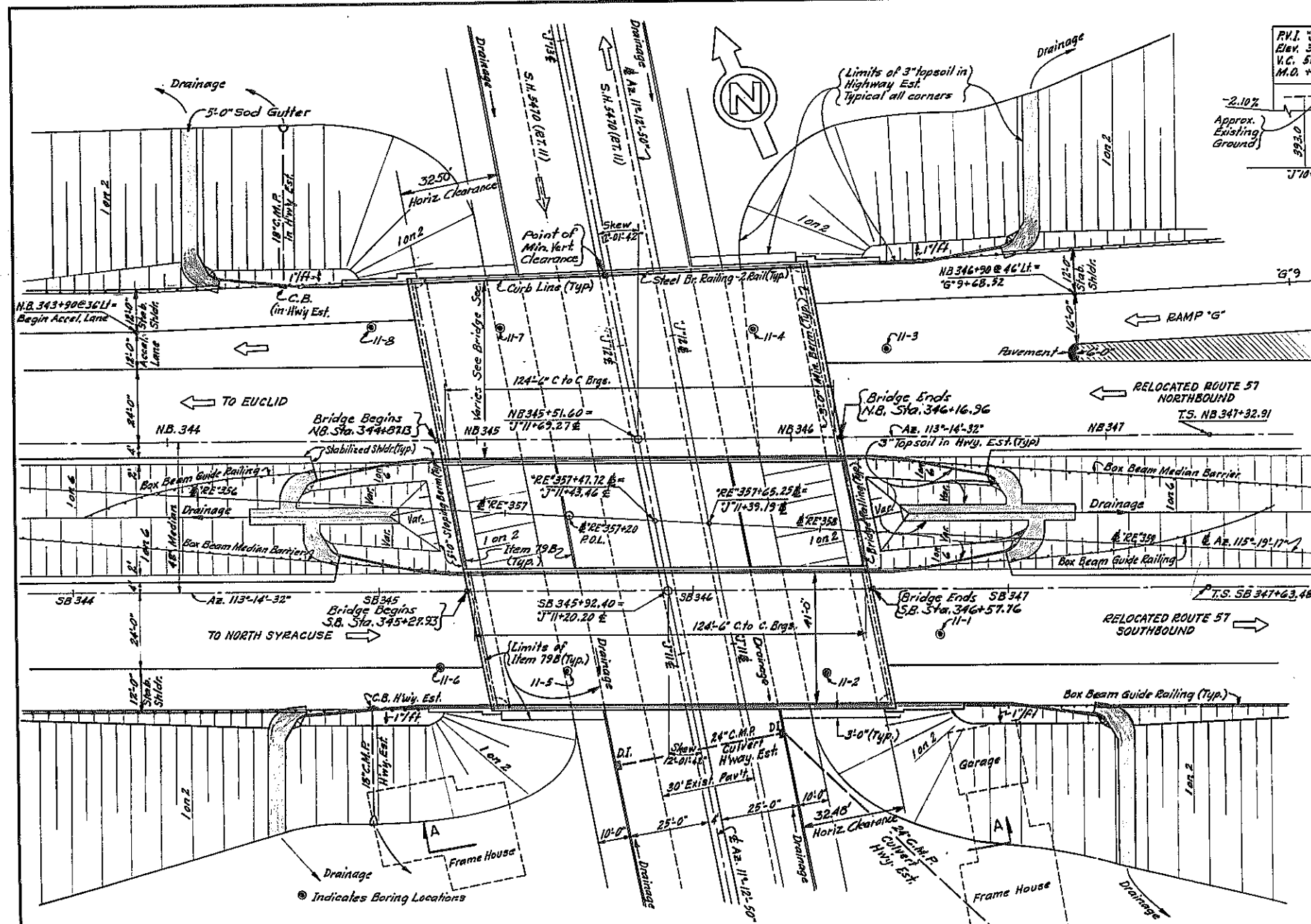
MARK	SIZE	NO.	LENGTH	TYPE	A	B	C	D	E	F	G	LOCATION
EAST ABUTMENT - NORTHBOUND LANE												
6AFH1	6	10	32-10"	Str.								Longit. Footing - Bottom
6AFH1	5	10	32-9"	Str.								Longit. Footing - Top
6AFH2	6	39	5-6"	Str.								Longit. Footing - Bottom
6AFH2	5	39	5-6"	Str.								Longit. Footing - Top
6AFH3	5	10	17-9"	Str.								Longit. Footing - Top & Bottom
6AFH3	6	9	5-7"	Str.								Longit. Footing - Bottom
6AFH4	5	9	5-7"	Str.								Longit. Footing - Top
6AFV1	5	136	3-6"	Str.								Dowels in Footing
6ABY1	5	86	6-3"	Str.								Vert. Abutment Backwall - Near Side & Far Side
6ABH1	5	14	32-6"	Str.								Horiz. Abutment Backwall - Near Side & Far Side
6ABH2	5	14	27-3"	Str.								Horiz. Abutment Backwall - Near Side & Far Side
6ABH3	5	14	4-9"	Str.								Horiz. Abutment Backwall - Near Side & Far Side
6AHH1	5	6	16-4"	Str.								Horiz. Abutment Header - Near Side & Far Side
6AHS1	5	12	9-0"	IX	4-0"	1-2"	4-0"					Stirrups Abutment Header
6APY1	5	25	4-5"	Str.								Vert. in Pedestals
6APH1	5	25	9-10"	IX	3-2"	3-2"	3-8"					Horiz. in Pedestals
6AWY1	5	25	7-6"	Str.								Vert. in Wingwall
6AWH1	5	9	5-8"	Str.								Horiz. Curtainwall
6AWH2	5	9	16-9"	Str.								Horiz. Wingwall - Near Side
6AWH3	5	3	14-5"	Str.								Horiz. Wingwall - Far Side
6AWH4	5	3	13-3"	Str.								Horiz. Wingwall - Far Side
6AYS1	5	14	5-0"	IX	2-3"	8"	2-3"					Stirrups in Siderwalk & Curtainwall
6AYS2	5	3	6-2"	IX	2-3"	1-10"	2-3"					Stirrups in Siderwalk
6ACH1	5	1	5-8"	Str.								Horiz. Siderwalk & Curtainwall
6ACH2	5	1	16-9"	Str.								Horiz. Siderwalk - Near Side
6ACH3	5	1	13-3"	Str.								Horiz. Siderwalk - Far Side

MARK	SIZE	NO.	LENGTH	TYPE	A	B	C	D	E	F	G	LOCATION
EAST ABUTMENT - SOUTHBOUND LANE												
6AFH1	6	10	33-0"	Str.								Longit. Footing - Bottom
6AFH1	5	10	32-11"	Str.								Longit. Footing - Top
6AFH2	6	39	5-6"	Str.								Longit. Footing - Bottom
6AFH2	5	39	5-6"	Str.								Longit. Footing - Top
6AFH3	5	10	17-5"	Str.								Longit. Footing - Top & Bottom
6AFH3	6	9	5-7"	Str.								Longit. Footing - Bottom
6AFH4	5	9	5-7"	Str.								Longit. Footing - Top
6AFV1	5	136	3-6"	Str.								Dowels in Footing
6ABY1	5	86	6-3"	Str.								Vert. Abutment Backwall - Near Side & Far Side
6ABH1	5	14	28-7"	Str.								Horiz. Abutment Backwall - Near Side & Far Side
6ABH2	5	14	32-2"	Str.								Horiz. Abutment Backwall - Near Side & Far Side
6ABH3	5	14	4-0"	Str.								Horiz. Abutment Backwall - Near Side & Far Side
6AHH1	5	6	16-11"	Str.								Horiz. Abutment Header - Near Side & Far Side
6AHS1	5	12	9-0"	IX	4-0"	1-2"	4-0"					Stirrups Abutment Header
6APY1	5	25	4-5"	Str.								Vert. in Pedestals
6APH1	5	25	9-10"	IX	3-2"	3-2"	3-8"					Horiz. in Pedestals
6AWY1	5	25	7-5"	Str.								



FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		220	257

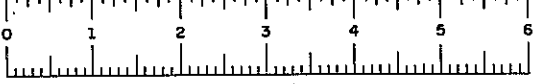
EUCLID-NORTH SYRACUSE



PROJECT ENGINEER: A. Koralek
 IN CHARGE OF: L.H. Turner
 DESIGNED BY: L.H. Turner
 DESIGN CHECKED BY: R.M. Deane
 DETAILED BY: A. Koralek
 REVIEWED BY:

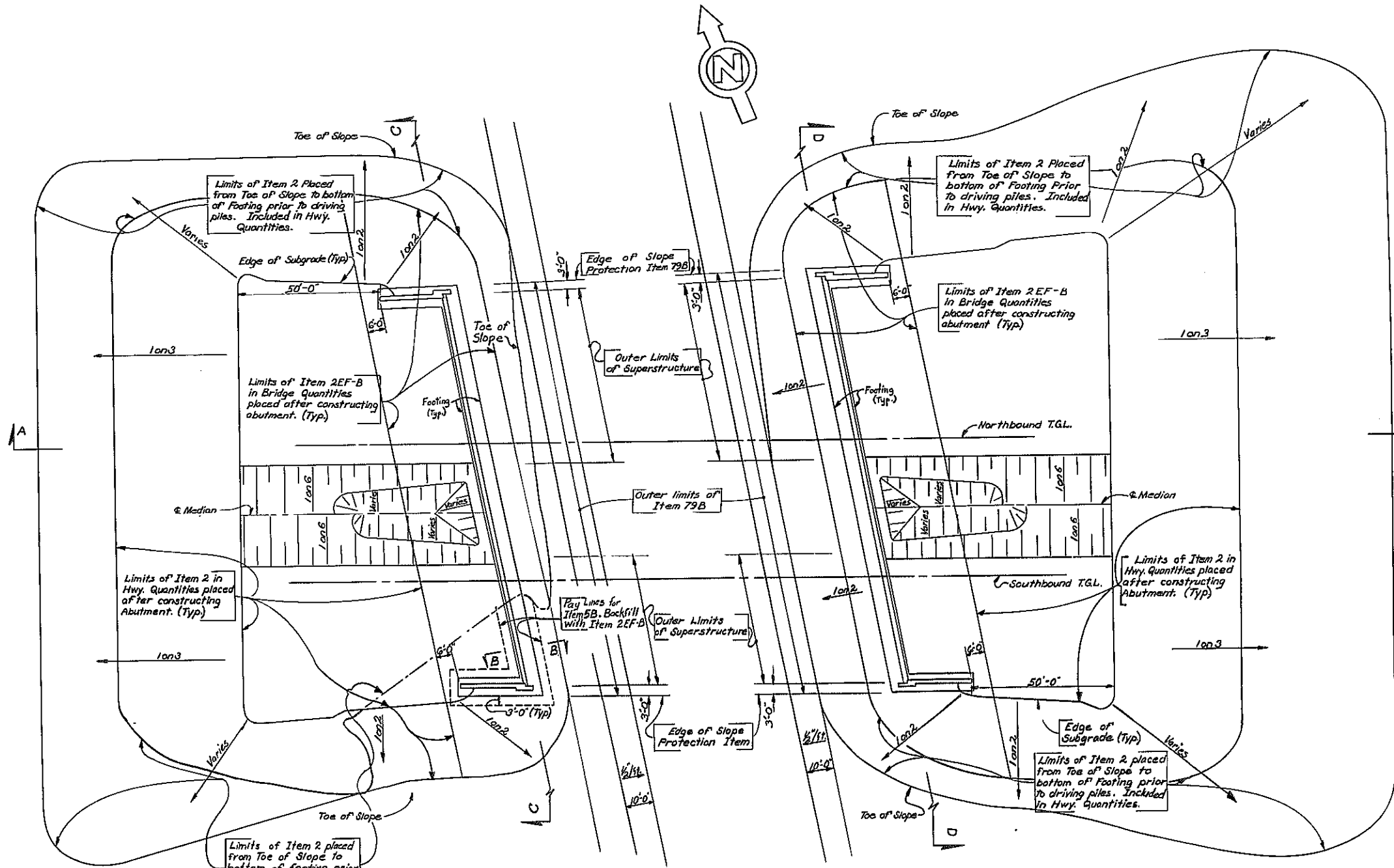
BRIDGE NO. 6
 RELOC. RTE. 57 over S.H. 5470
 EUCLID - NORTH SYRACUSE
 NB 345+51.60 J11+68.27 SB 345+92.40 J11+20.20

PLAN & PROFILE
 DRAWING NO. 1 OF 15

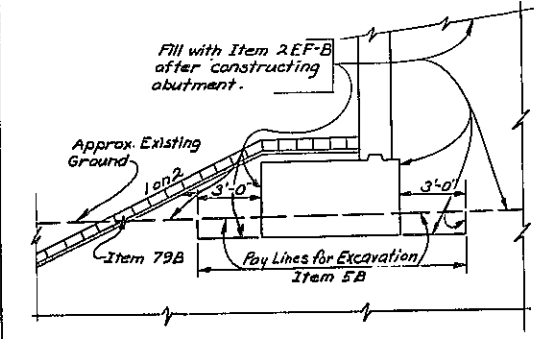


FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		221	257
EUCLID-NORTH SYRACUSE				

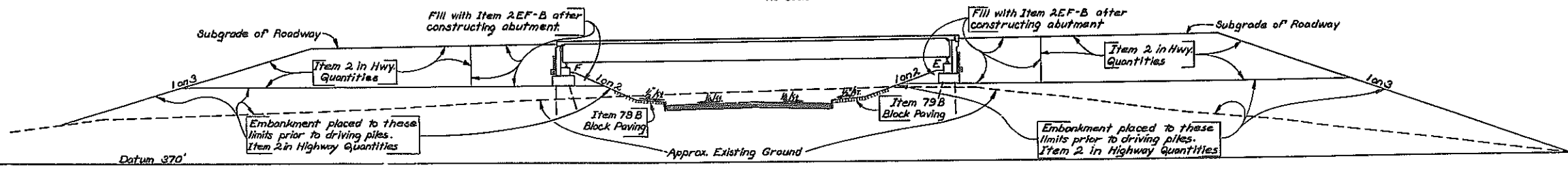
Note: Items 2 and 2EF-B shall be placed simultaneously, in contact, on both sides of the vertical payment line. Sheeting or other means shall not be used to separate the two materials. Piles not shown. (Typ)



PLAN
No Scale



SECTION B-B
No Scale
Note: Piles not shown



SECTION A-A
No Scale

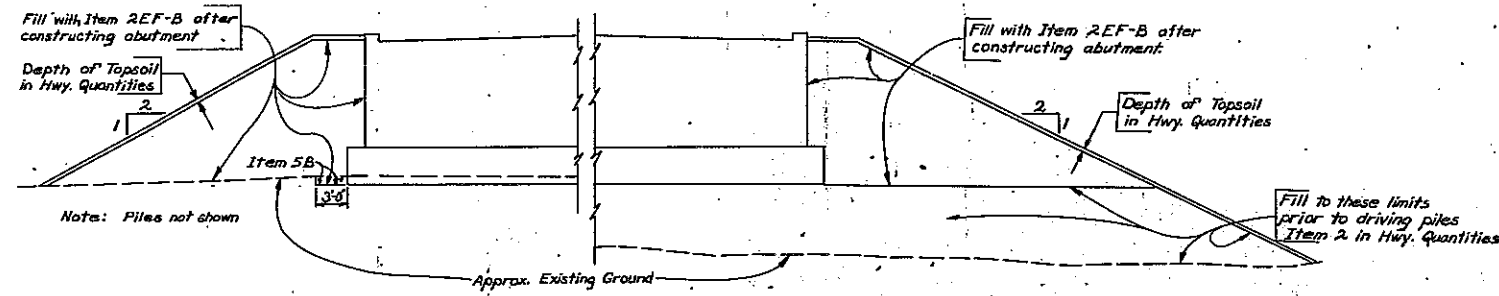
PROJECT ENGINEER A. Kacalab
 IN CHARGE OF L. H. Turner
 DESIGNED BY L. H. Turner
 DESIGN CHECKED BY R. J. Pacey
 DETAILED BY S. J. ...
 DETAIL CHECKED BY S. Kulkarni

BRIDGE NO. 6
 RELOC. RTE. 57 OVER S.H. 5470
 EUCLID - NORTH SYRACUSE
 NB 345+51.60+J11+69.27 SB 345+92.40+J11+20.20

EXCAVATION & EMBANKMENT (1 OF 2)
 DRAWING NO. 2 OF 15

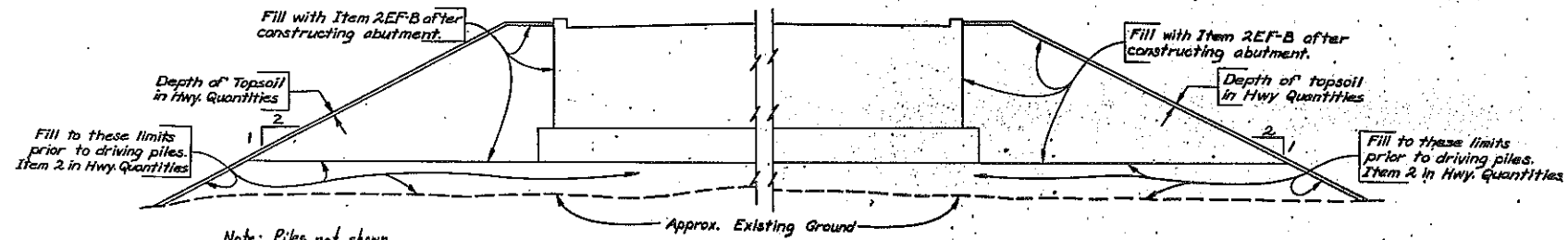
FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		2228	257
EUCLID-NORTH SYRACUSE				

AS BUILT



SECTION C-C
No Scale

Note: Piles not shown.



SECTION D-D
No Scale

ESTIMATE OF QUANTITIES

ITEM	DESCRIPTION	UNIT	NEAT	PROP	FINAL	ITEM	DESCRIPTION	UNIT	NEAT	PROP	FINAL
2EF-B	Selected Granular Fill	C.Y.	5,693	5,700	5282	61	Bituminous Material	Gal.	155	160	162
2UF	Underdrain Filter	C.Y.	24	30	22.9	79B	Concrete Block Paving	S.Y.	1340	1340	1202.74
5B	Structure Excavation	C.Y.	31	40	0	85C	Cast in Place Concrete Piles	L.F.	8730	8730	8777.8
11H-6	Perf. Corr. Metal Pipe Underdrain 6" Dia.	L.F.	437	440	430.1	87	Furnishing Equipment For Driving Piles	L.S.	NEC	NEC	25%
18	Class A Concrete For Structures	C.Y.	35	40	36.76	94SBV	Stone Curb (Bridge Types)	L.F.	948	950	929.1
18MA	Class A Concrete For Structures (Monolithic)	S.F.	13,678	13,680	13,489.2	124	Sodding	S.Y.	239	240	
20	Class B Concrete For Structures	C.Y.	609	610	612.04	363I	Epoxy Protective Coating For Concrete	S.F.	3813	3820	3806
24A	Bagged Screened Aggregate	C.Y.	122	130	116.37	664LD	Linseed Oil Protective Coating For Concrete	Gal.	62	70	0
28	Bar Reinforcement For Structures	Lb.	168,518	168,600	168,029						
28B	Stud Shear Connectors	Ea.	3076	3076	3076						
* 29	Structural Steel	Lb.	486,119	486,400	481,682						
37S(2)	Steel Bridge Roll (2Roll)	L.F.	690	690	697.26						

* ITEM 29		
TYPE	NEAT	PROP
A44I	418,219	418,500
A36	67,900	67,900

ITEM 85C	
35 TON C.I.P. PILES	EST. LENGTH
West Abutment (Northbound)	50'
East Abutment (Northbound)	45'
West Abutment (Southbound)	50'
East Abutment (Southbound)	45'

PROJECT ENGINEER A. Korolak
 IN CHARGE OF L.H. Turner
 DESIGNED BY L.H. Turner
 DESIGN CHECKED BY R.H. Perry
 DETAILED BY A. Korolak & M. Strasser
 DETAIL CHECKED BY S. Kulkarni

As built revision:
Final Quantities shown

BRIDGE NO. 6
 RELOC. RTE. 57 OVER S.H. 5470
 EUCLID - NORTH SYRACUSE
 NB 345+51.60+J11+69.27 SB 345+92.40+J11+20.20

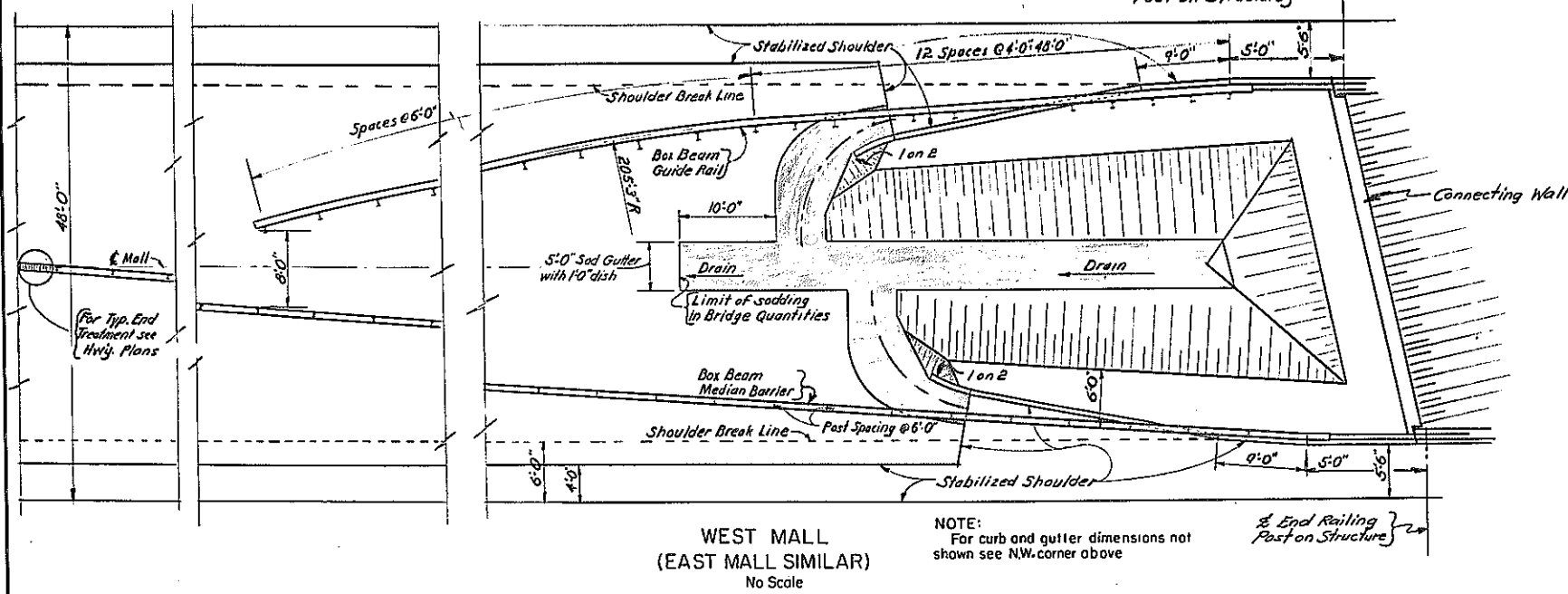
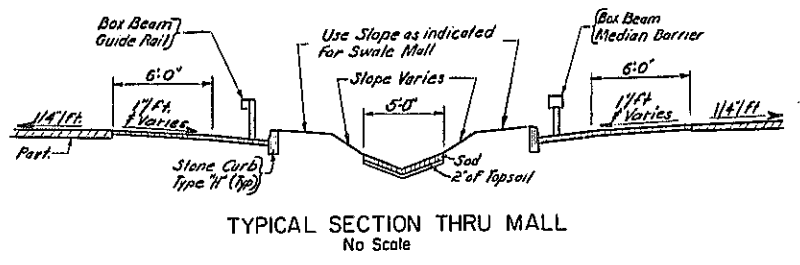
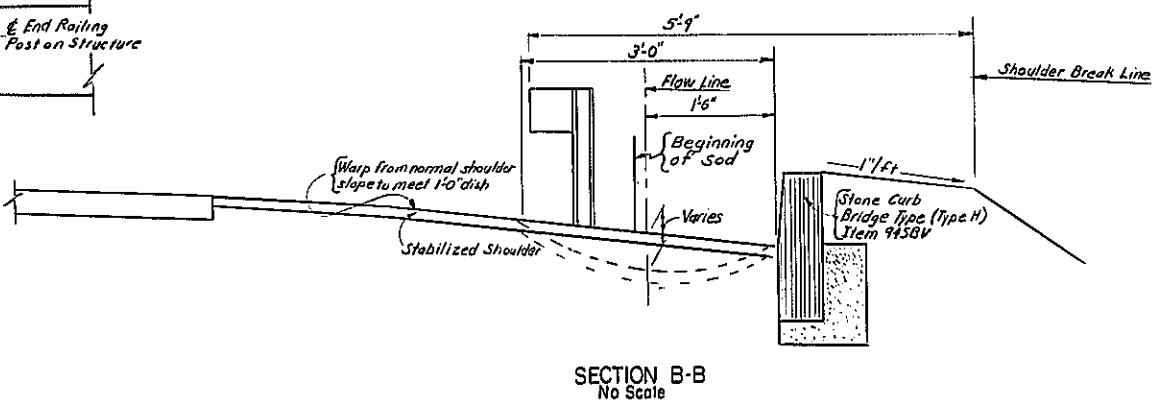
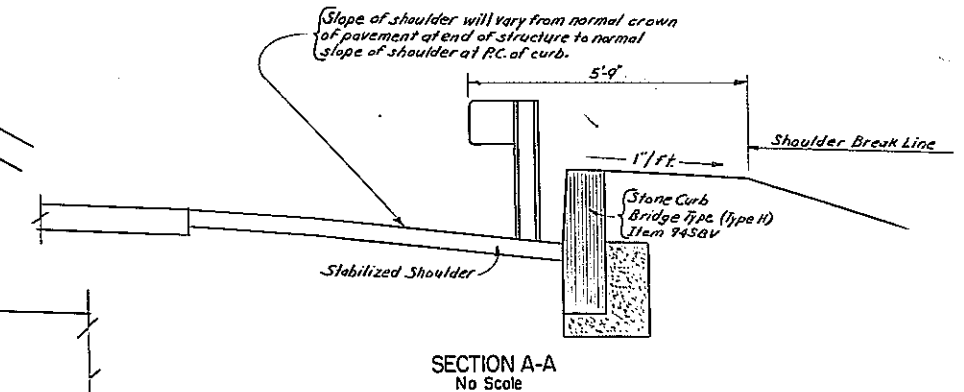
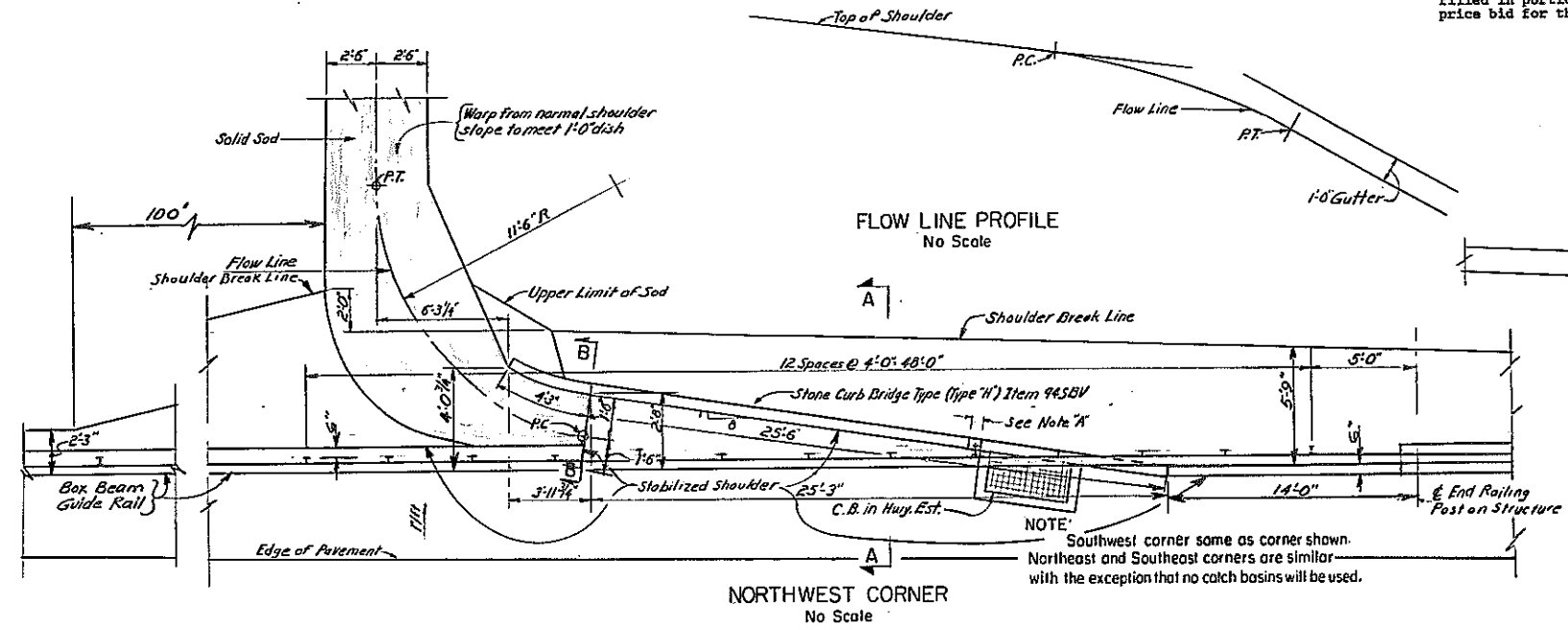
EXCAVATION & EMBANKMENT (2 OF 2)
 DRAWING NO. 3 OF 15



FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		223	257

EUCLID-NORTH, SYRACUSE

Note "A" - 6" minimum gap in granite curb to be filled with mortar after guide rail post has been set. This filled in portion shall be paid for at the unit price bid for the adjacent granite curb.



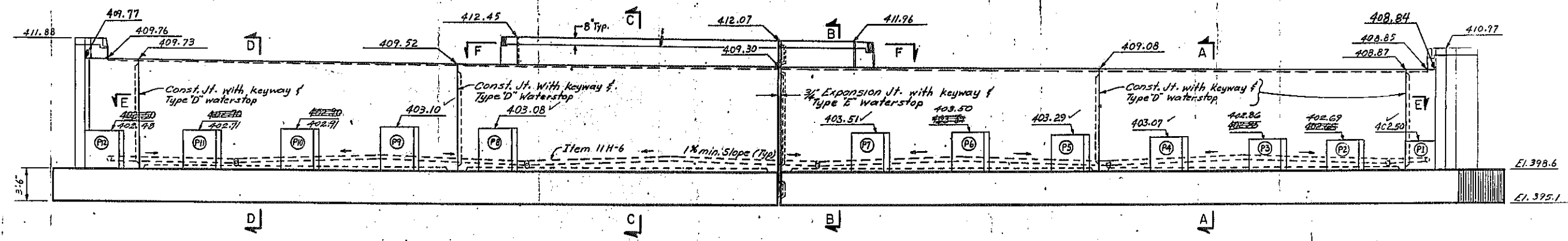
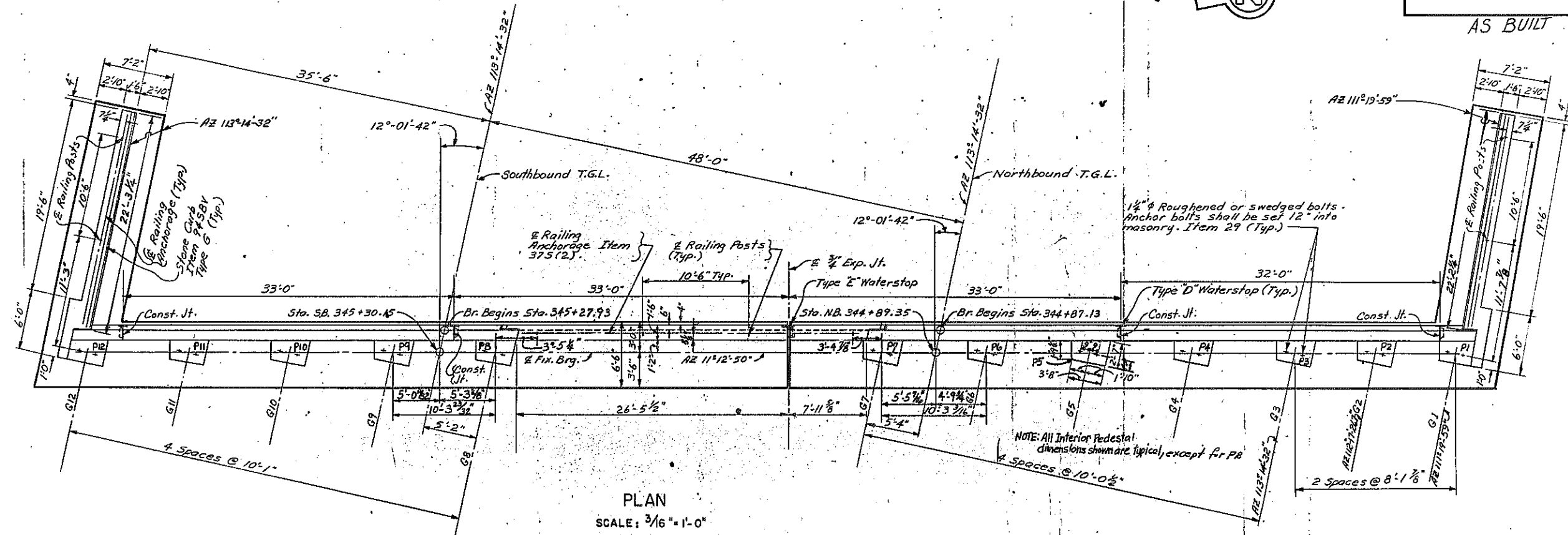
PROJECT ENGINEER A. Karalak
 IN CHARGE OF L.H. Turner
 DESIGNED BY L.H. Turner
 DESIGN CHECKED BY P.M. Perry
 DETAILED BY S. Kulkarni
 DETAIL CHECKED BY S. Kulkarni

BRIDGE NO. 6
 RELOC. RTE. 57 OVER S.H. 5470
 EUCLID - NORTH SYRACUSE
 NB 345+51.60+J11+69.27 SB 345+92.40+J11+20.20
 DRAINAGE
 DRAWING NO. 4 OF 15

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		224B	257
EUCLID-NORTH SYRACUSE				



AS BUILT



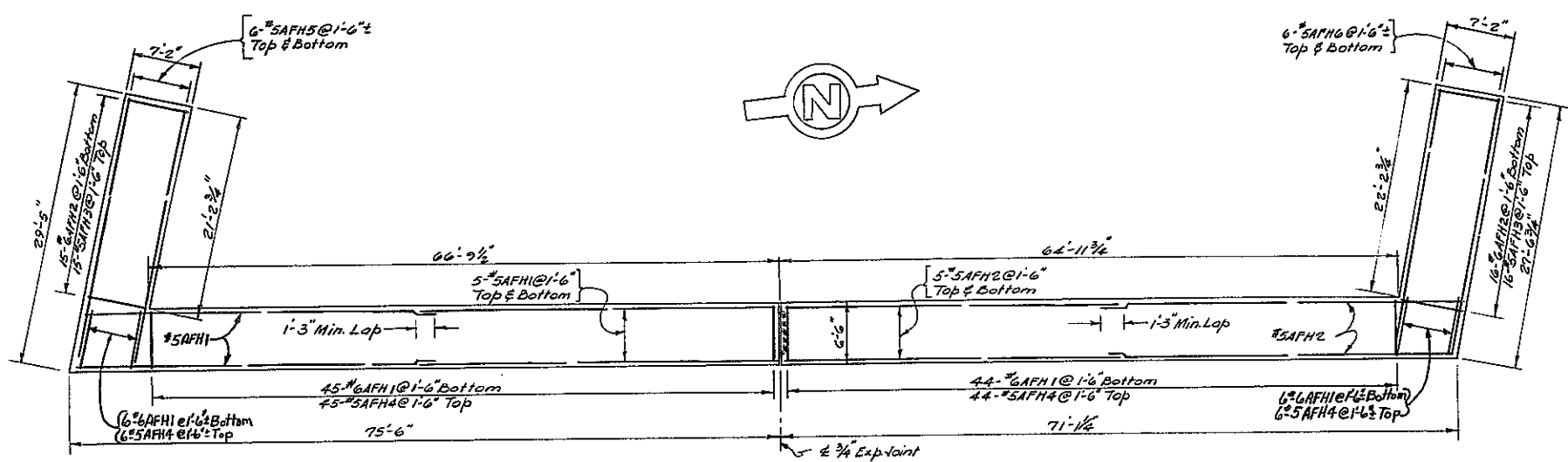
Notes:
 Piles not shown. For layout see Drawing No. 6 of 15. For pile reinforcement see Common Details Drawing No. 1 of 6.
 For details of keys see Common Details Drawing No. 2 of 6.
 For design purposes the pile load does not exceed 35 tons per pile.
 For detail of joint at connecting wall and wingwall see Common Details Sheet 2 of 6.

As Built Revision:
 Altered Bridge Pedestals Elevations

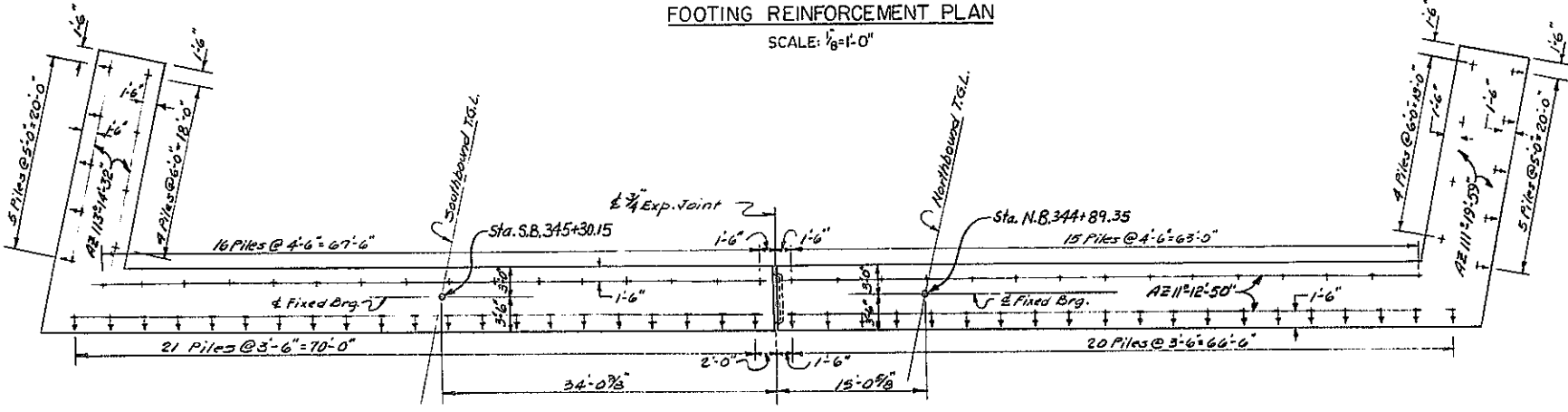
PROJECT ENGINEER A. Kacalak
 IN CHARGE OF L.H. Turner
 DESIGNED BY L.H. Turner
 DESIGN CHECKED BY R.W. Parry
 DETAILED BY Anthony Spasiano
 DETAIL CHECKED BY B. Keerlas

BRIDGE NO. 6
 RELOC. RTE. 57 OVER S.H. 5470
 EUCLID - NORTH SYRACUSE
 NB 345 + 51.60 + J11 + 69.27 SB 345 + 92.40 + J11 + 20.20
 WEST ABUTMENT (1 OF 3)
 DRAWING NO. 5 OF 15

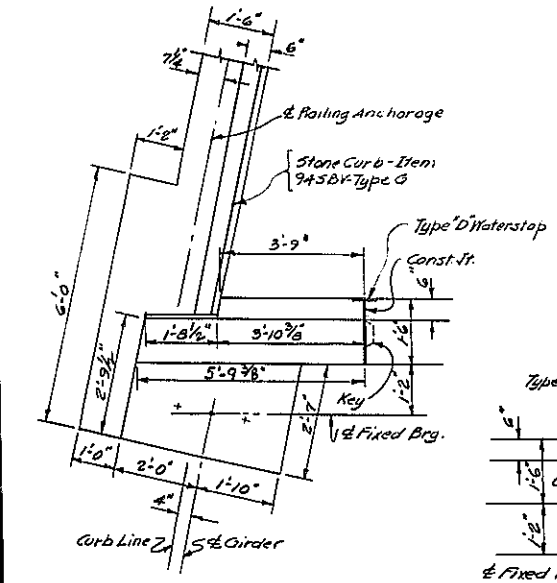
FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		225	257
EUCLID-NORTH SYRACUSE				



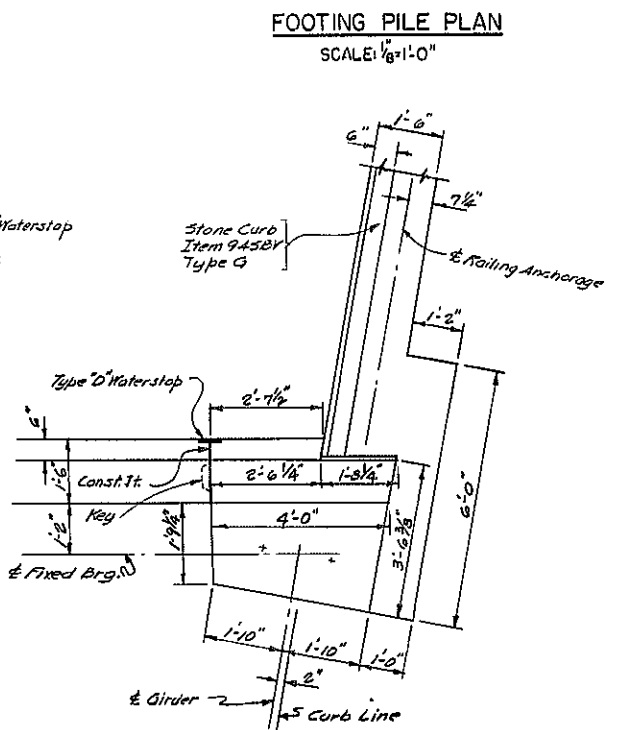
FOOTING REINFORCEMENT PLAN
SCALE: 1/8"=1'-0"



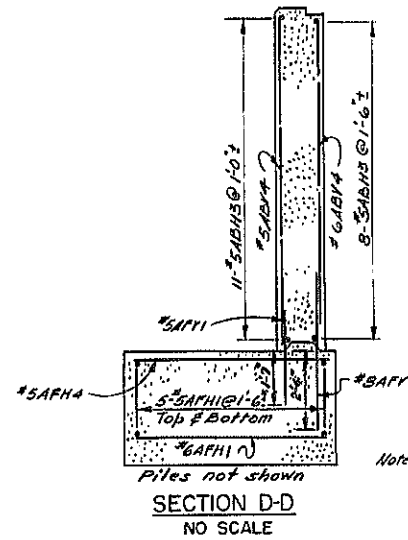
FOOTING PILE PLAN
SCALE: 1/8"=1'-0"



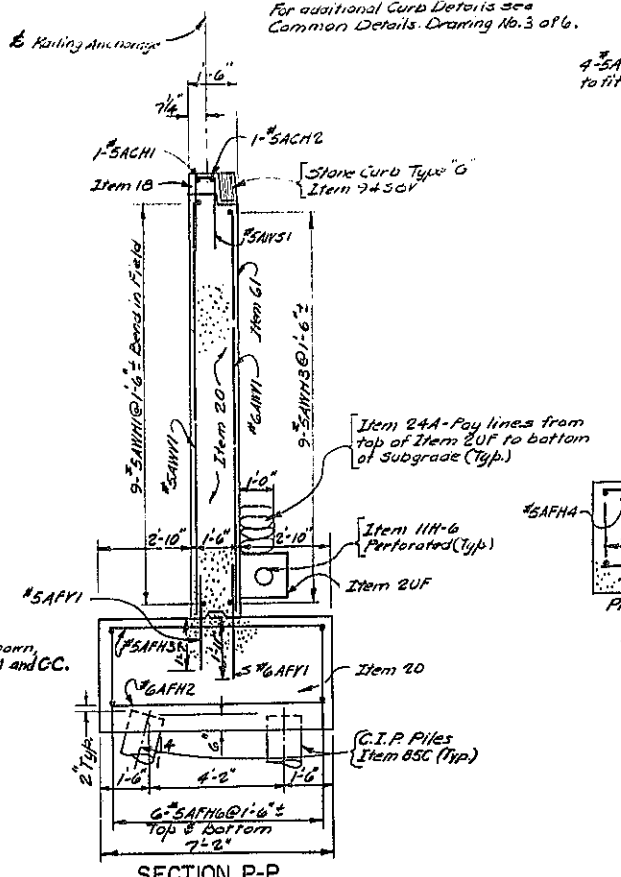
SOUTHWEST CORNER
SCALE: 1/2"=1'-0"



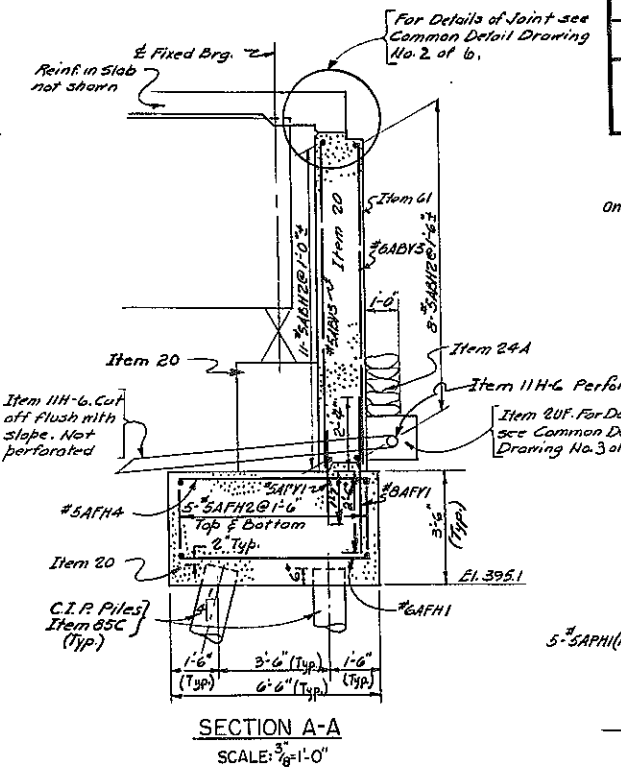
NORTHWEST CORNER
SCALE: 1/2"=1'-0"



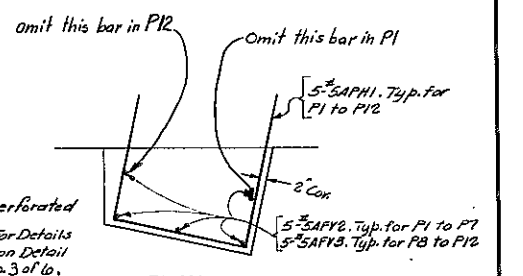
SECTION D-D
NO SCALE



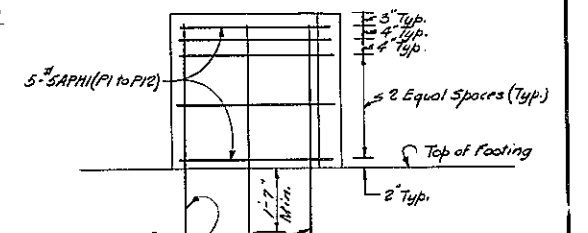
SECTION P-P
SOUTHWEST WINGWALL SIMILAR
NO SCALE



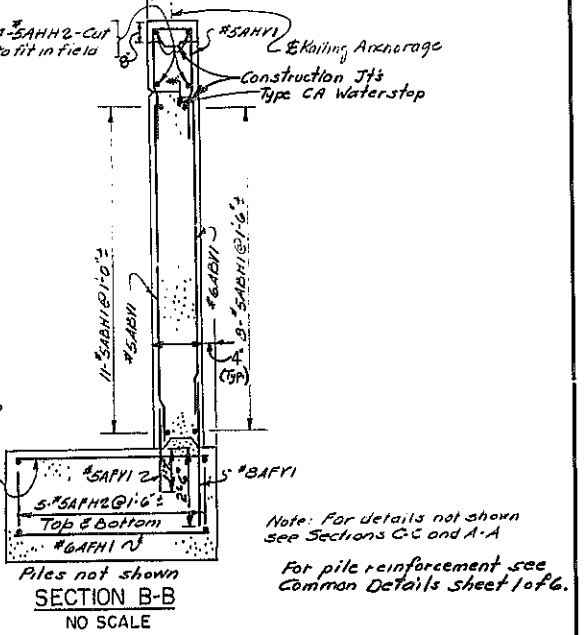
SECTION A-A
SCALE: 3/8"=1'-0"



PLAN



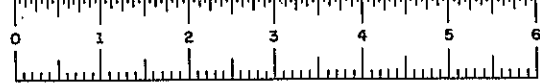
ELEVATION
TYPICAL FOR PEDESTALS (P1 THRU P12)
SCALE: 1/2"=1'-0"



SECTION B-B
NO SCALE

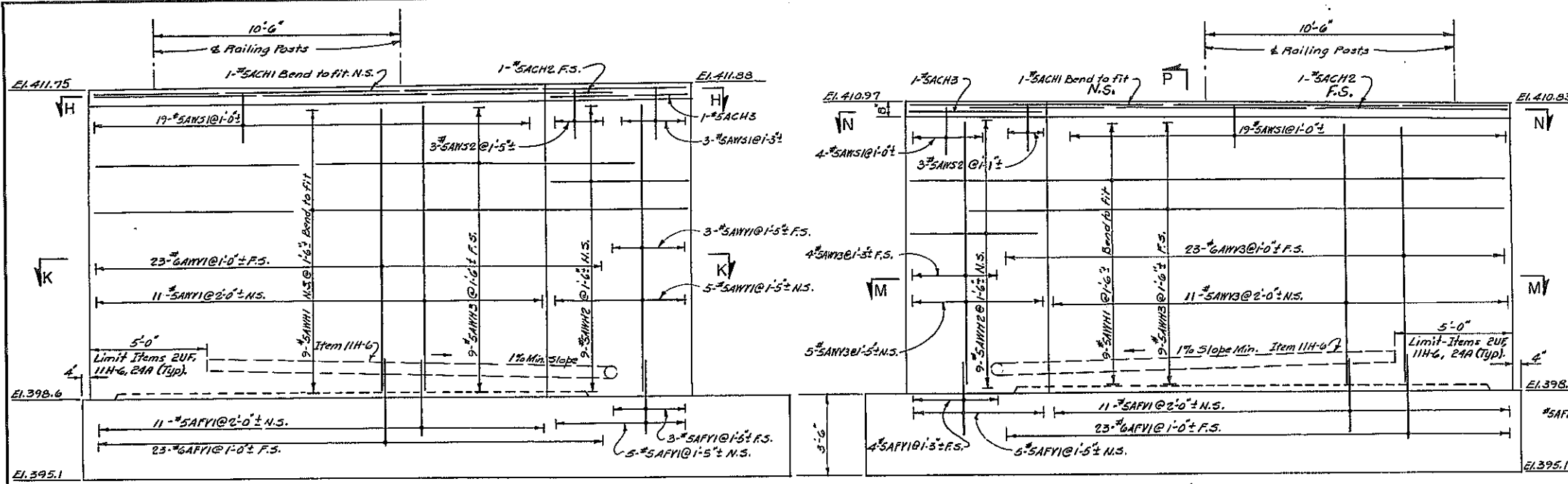
PROJECT ENGINEER: A. Karalek
IN CHARGE OF: L.H. Turner
DESIGNED BY: L.H. Turner
DESIGN CHECKED BY: R.W. Perry
DETAILED BY: R. S. ...
DETAIL CHECKED BY: C. Karalek

BRIDGE NO. 6
RELOC. RTE. 57 OVER S.H. 5470
EUCLID - NORTH SYRACUSE
NB 345 + 51.60 + J11 + 69.27 SB 345 + 92.40 + J11 + 20.20
WEST ABUTMENT (2 OF 3)
DRAWING NO. 6 OF 15



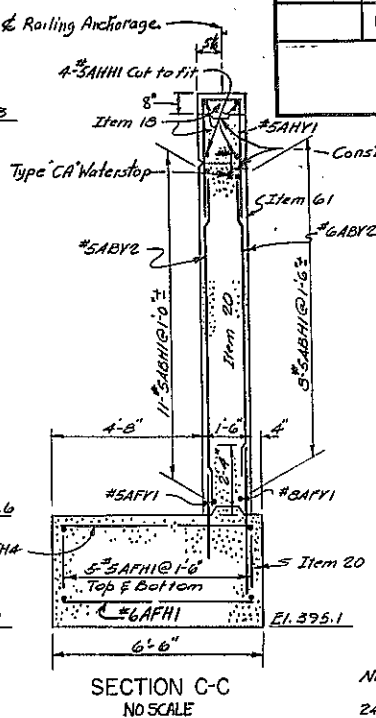
FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		226	257

EUCLID-NORTH SYRACUSE



ELEVATION SOUTHWEST WINGWALL
SCALE: 3/8"=1'-0"

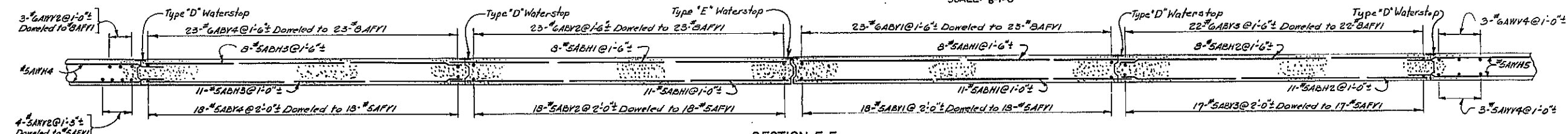
ELEVATION NORTHWEST WINGWALL
SCALE: 3/8"=1'-0"



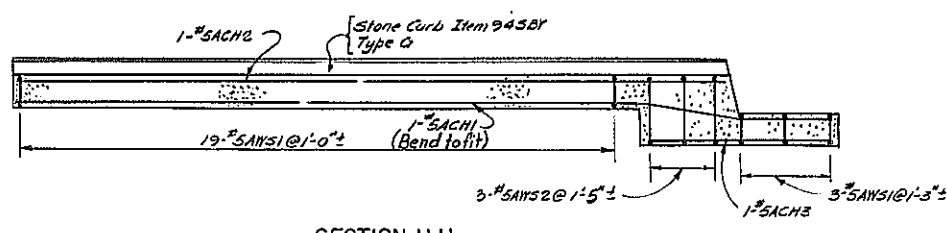
SECTION C-C
NO SCALE

Note: Piles not shown. Reinforcement in footing not shown.

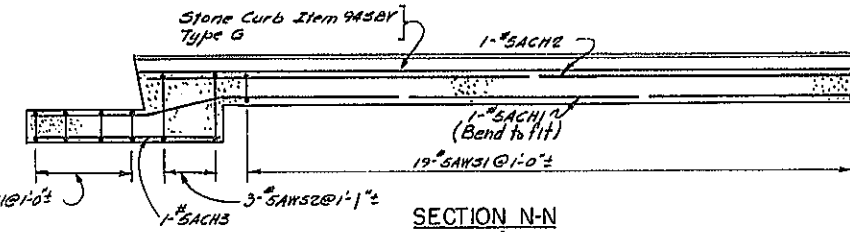
Note: Piles not shown. Items 20F, 11H-6, 24A not shown. See Section 4-A, Div. No. 6 for the above items.



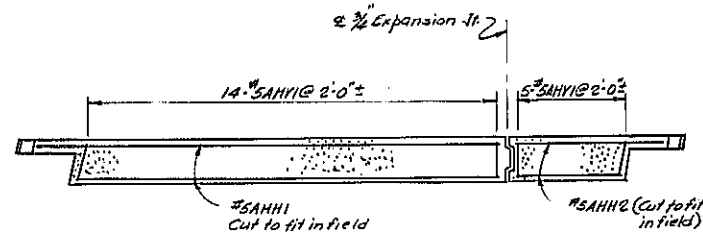
SECTION E-E
NO SCALE



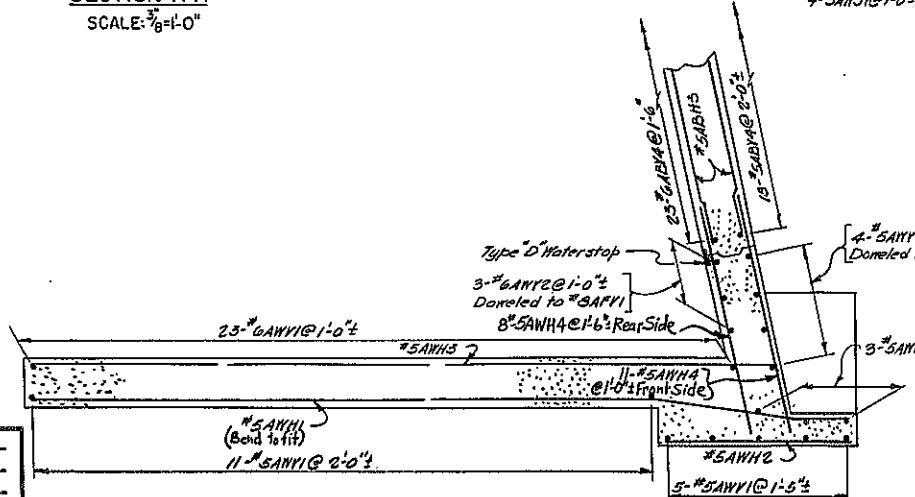
SECTION H-H
SCALE: 3/8"=1'-0"



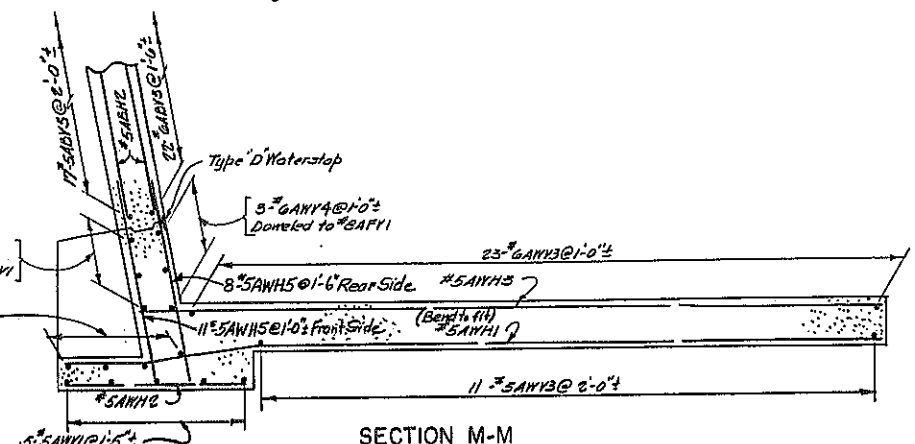
SECTION N-N
SCALE: 3/8"=1'-0"



SECTION F-F
NO SCALE



SECTION K-K
SCALE: 3/8"=1'-0"



SECTION M-M
SCALE: 3/8"=1'-0"

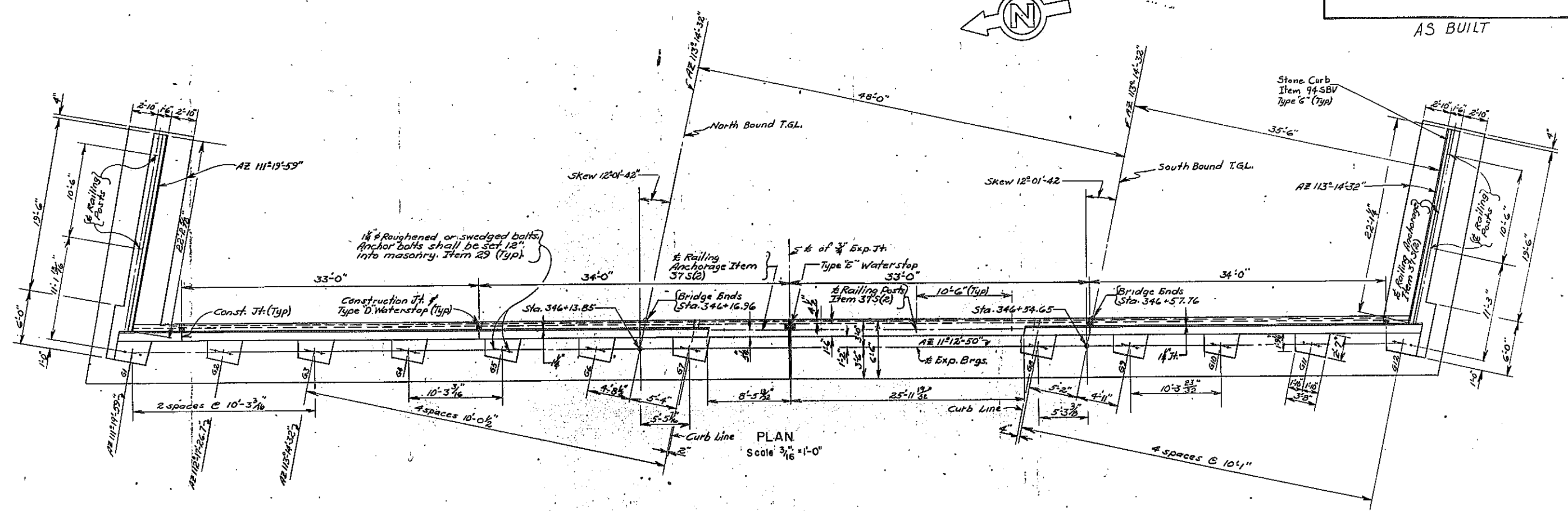
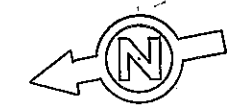
PROJECT ENGINEER A. Karoluk
 IN CHARGE OF G.H. Turner
 DESIGNED BY G.H. Turner
 DESIGN CHECKED BY R.W. Perry
 DETAILED BY A. Karoluk
 DETAIL CHECKED BY C. Kazmics

BRIDGE NO. 6
 RELOC. RTE. 57 OVER S.H. 5470
 EUCLID - NORTH SYRACUSE
 NB 345 + 51.60 + J11 + 69.27 SB 345 + 92.40 + J11 + 20.20
 WEST ABUTMENT (3 OF 3)
 DRAWING NO. 7 OF 15

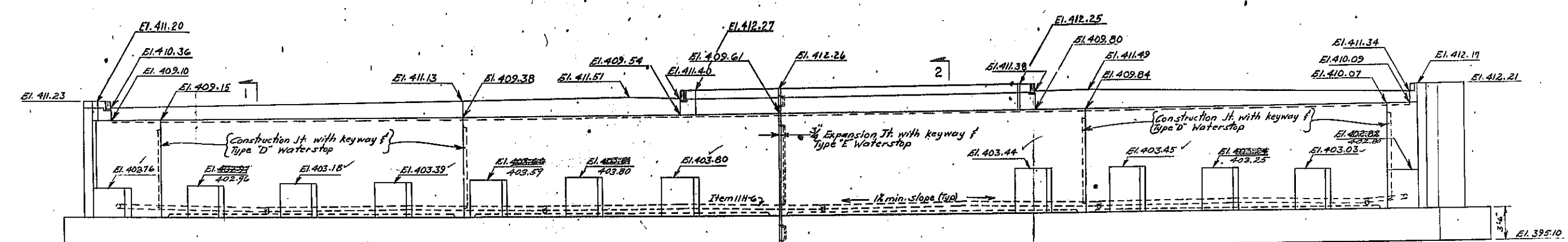
FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		227/2	257

EUCLID-NORTH, SYRACUSE

AS BUILT



PLAN
Scale 3/16" = 1'-0"



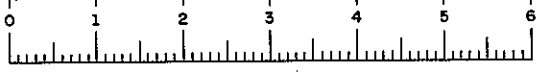
ELEVATION
Scale 3/16" = 1'-0"

Note
For detail of key see Common Detail Sheet 2 of 6.
For design purposes the pile load does not exceed 35 tons per pile.
For Section 1-1 See Dwg. No. 10 of 15.
For Section 2-2 See Dwg. No. 9 of 15.
Piles are not shown. For Layout See Drawing No. 9 of 15. For Pile Reinforcement See Common Details Drawing No. 1 of 6.

PROJECT ENGINEER A. Karolok
IN CHARGE OF L.H. Turner
DESIGNED BY L.H. Turner
DESIGN CHECKED BY R.W. Perry
DETAILED BY J. M. Sauer
DETAIL CHECKED BY K. Wachter

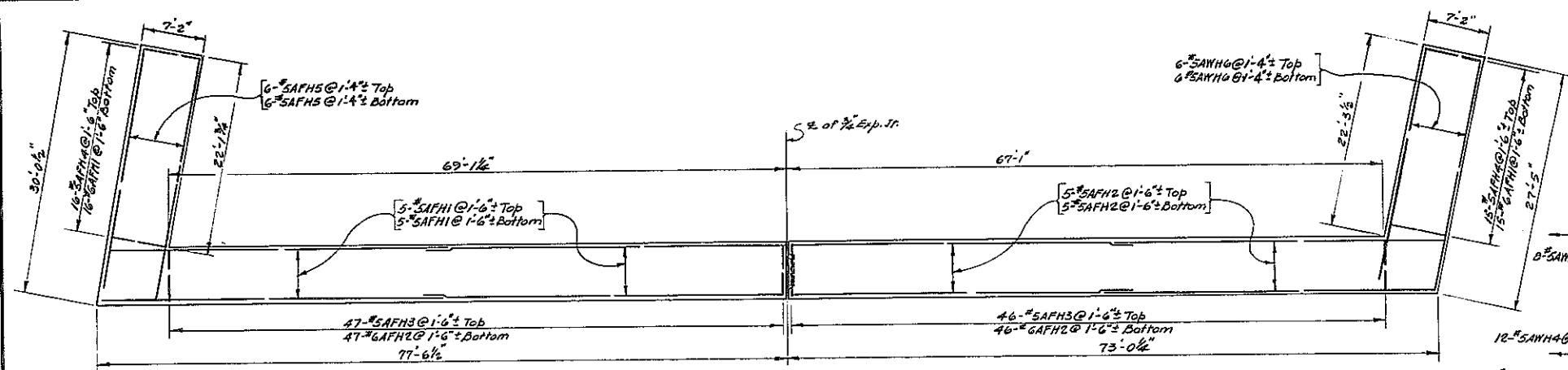
As built revision:
Altered Bridge Pedestal Elevations

BRIDGE NO. 6
RELOC. RTE. 57 over S.H. 5470
EUCLID - NORTH SYRACUSE
NB 345 + 51.60 + J11 + 69.27 SB 345 + 92.40 + J11 + 20.20
EAST ABUTMENT (1 OF 3)
DRAWING NO. 8 OF 15

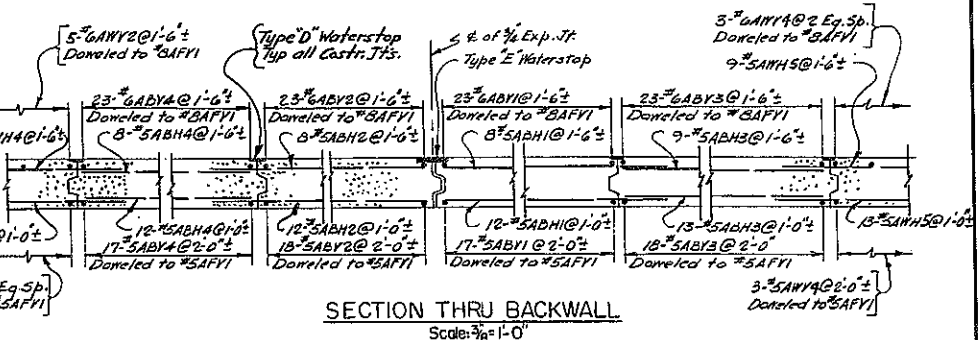


FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		228	257

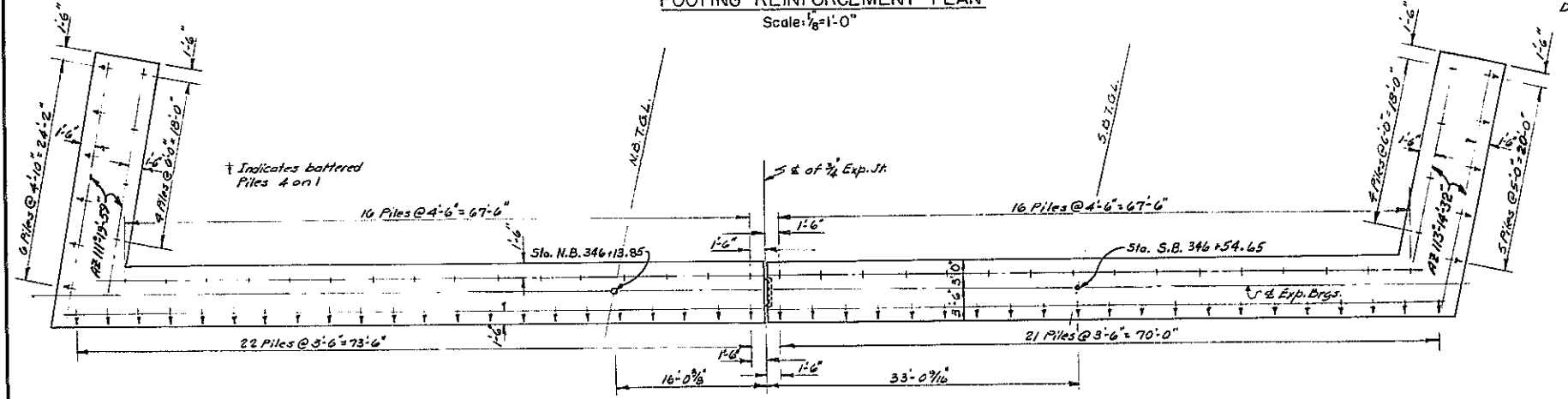
EUCALID-NORTH SYRACUSE



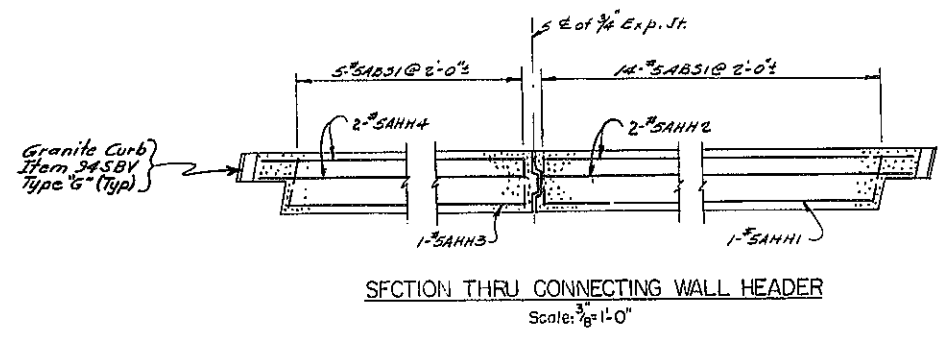
FOOTING REINFORCEMENT PLAN
Scale: 1/8"=1'-0"



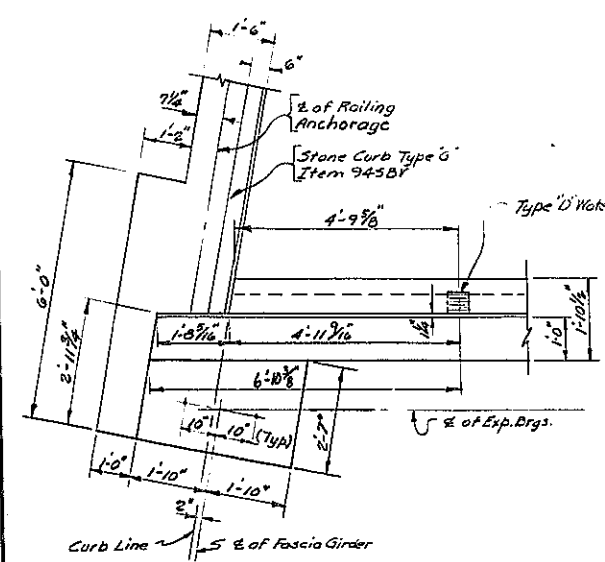
SECTION THRU BACKWALL
Scale: 3/8"=1'-0"



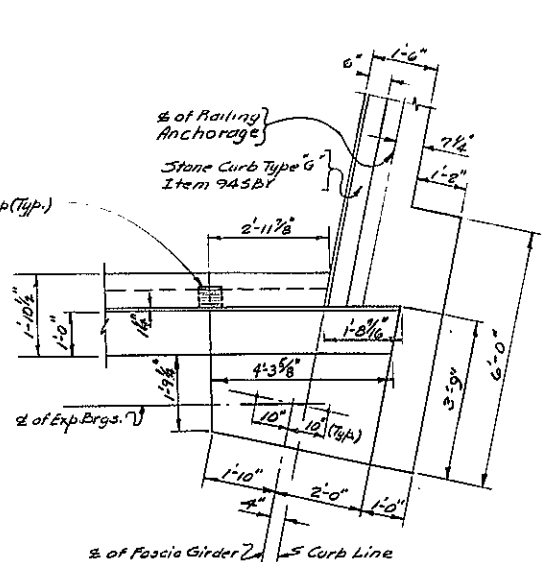
FOOTING PILE PLAN
Scale: 1/8"=1'-0"



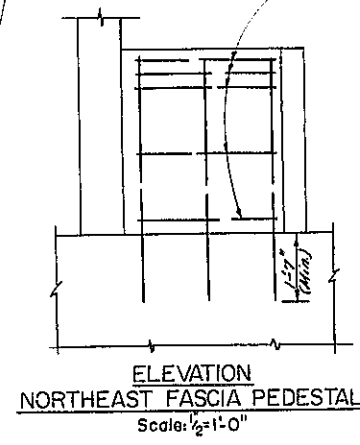
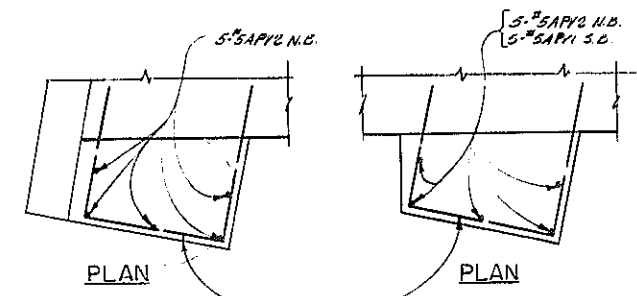
SECTION THRU CONNECTING WALL HEADER
Scale: 3/8"=1'-0"



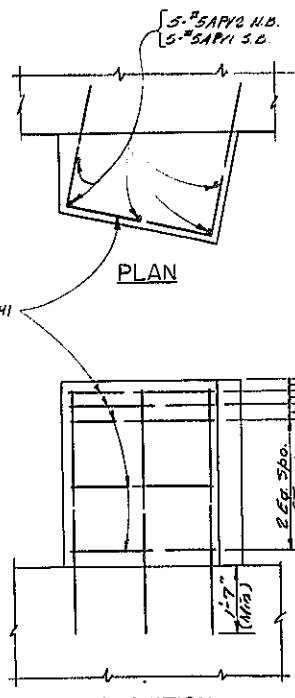
NORTHEAST CORNER
Scale: 1/2"=1'-0"



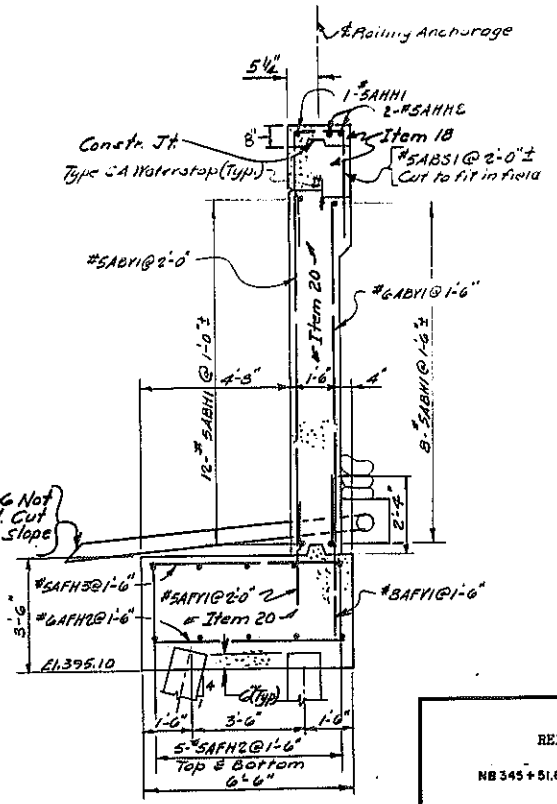
SOUTHEAST CORNER
Scale: 1/2"=1'-0"



ELEVATION NORTHEAST FASCIA PEDESTAL
Scale: 1/2"=1'-0"



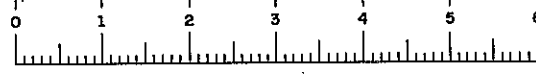
ELEVATION SOUTHEAST FASCIA & INTERIOR PEDESTALS
Scale: 1/2"=1'-0"



SECTION 2-2
Scale: 3/8"=1'-0"

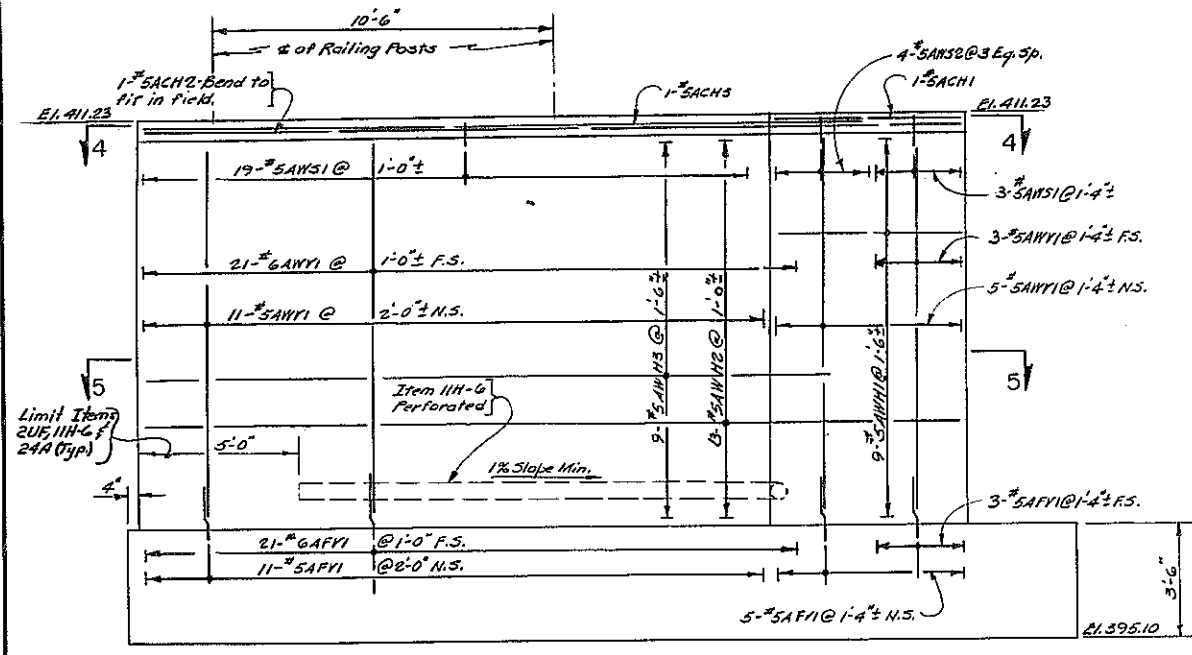
PROJECT ENGINEER: A. Kocak
 IN CHARGE OF: L. H. Turner
 DESIGNED BY: L. H. Turner
 DESIGN CHECKED BY: R. W. Perry
 DETAILED BY: J. L. S. A. S. S. S.
 DETAIL CHECKED BY: K. Wechter

BRIDGE NO. 6
 RELOC. RTE. 57 OVER S.H. 5470
 EUCALID - NORTH SYRACUSE
 NB 345 + 51.60 + J11 + 69.27 SB 345 + 92.40 + J11 + 20.20
 EAST ABUTMENT (2 OF 3)
 DRAWING NO. 9 OF 15



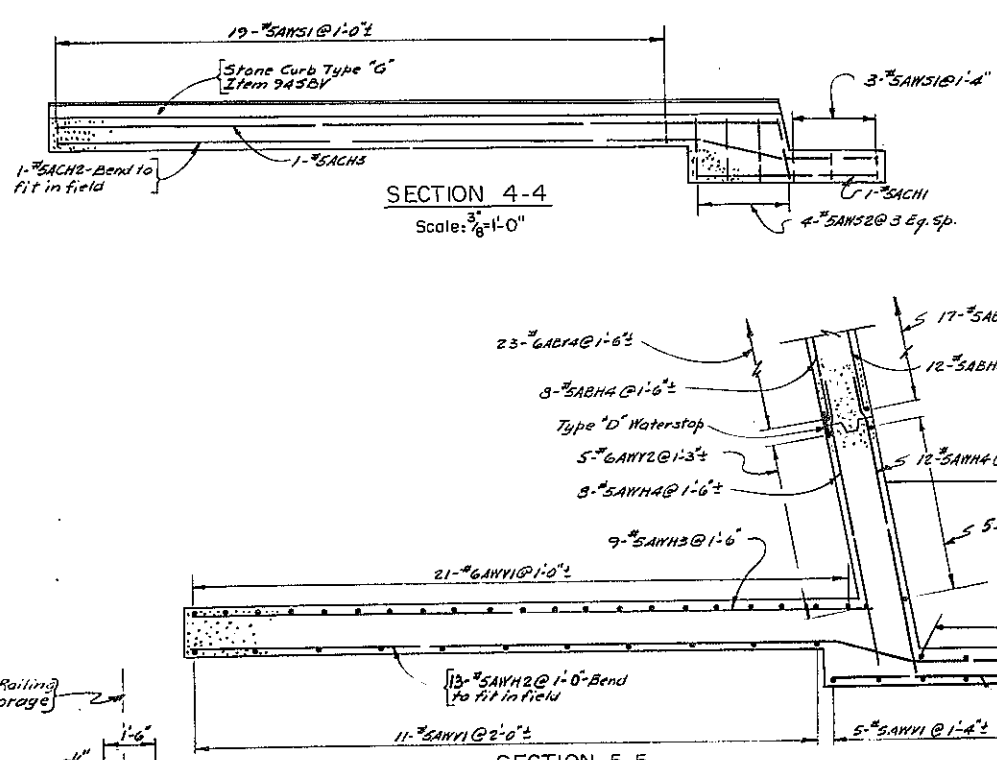
FED. RD. PROJ. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		229	257

EUCLID-NORTH SYRACUSE

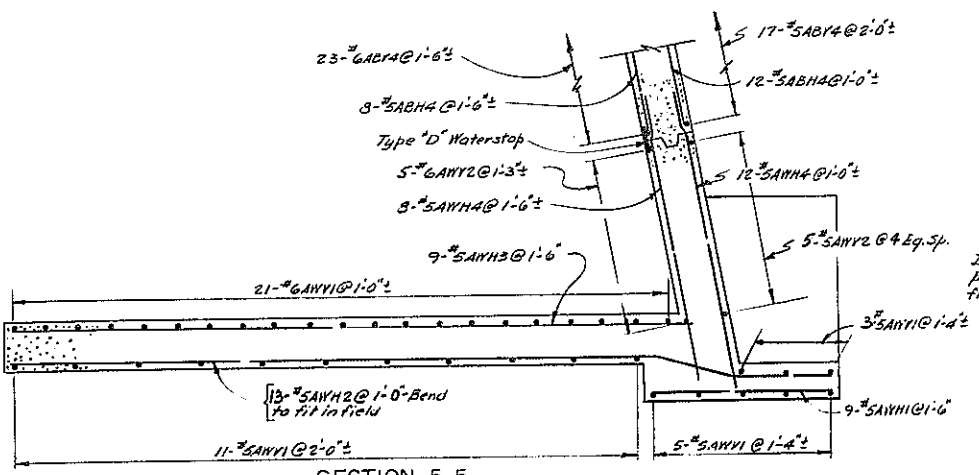


ELEVATION OF NORTHEAST WINGWALL
Scale: 3/8"=1'-0"

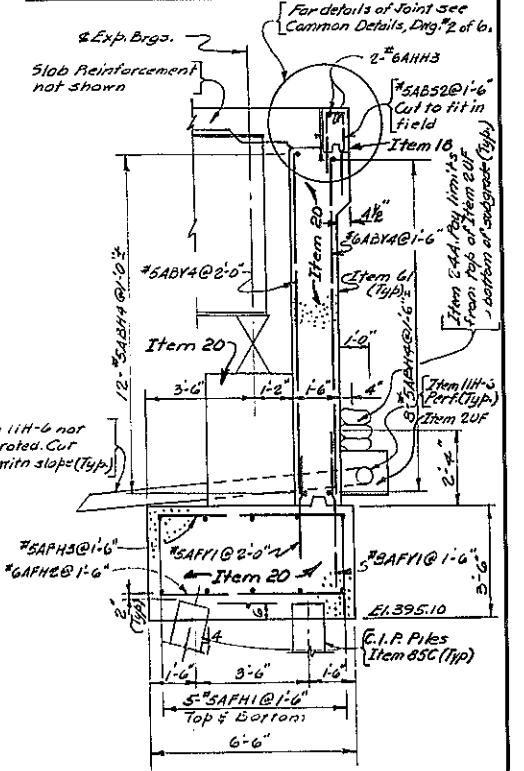
Note: Piles & Reinforcement not shown in footing



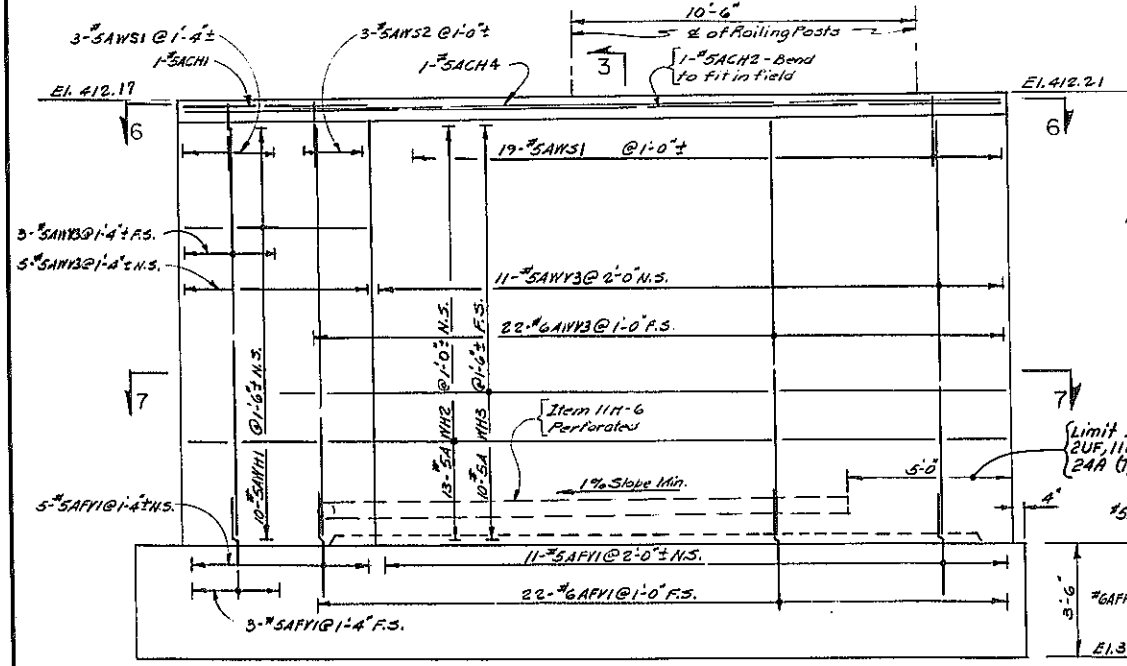
SECTION 4-4
Scale: 3/8"=1'-0"



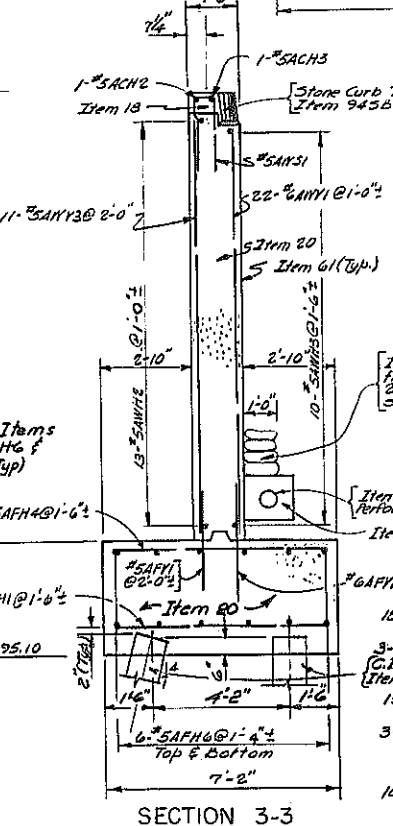
SECTION 5-5
Scale: 3/8"=1'-0"



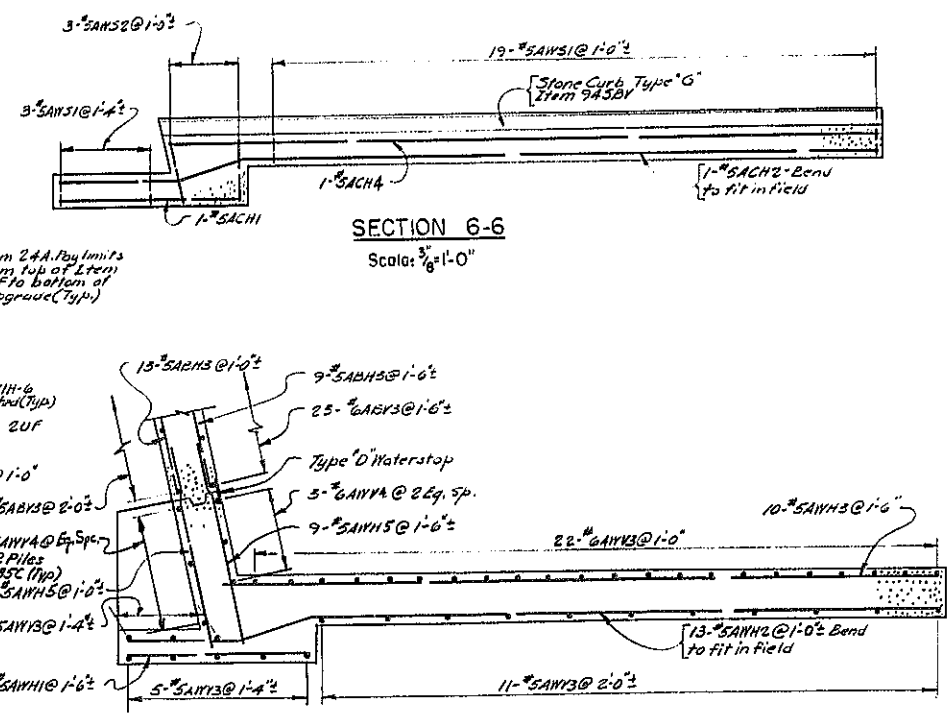
SECTION 1-1
Scale: 3/8"=1'-0"



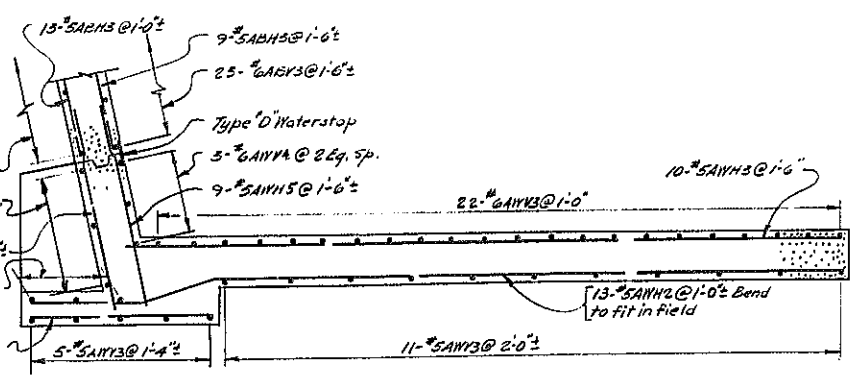
ELEVATION OF SOUTHEAST WINGWALL
Scale: 3/8"=1'-0"



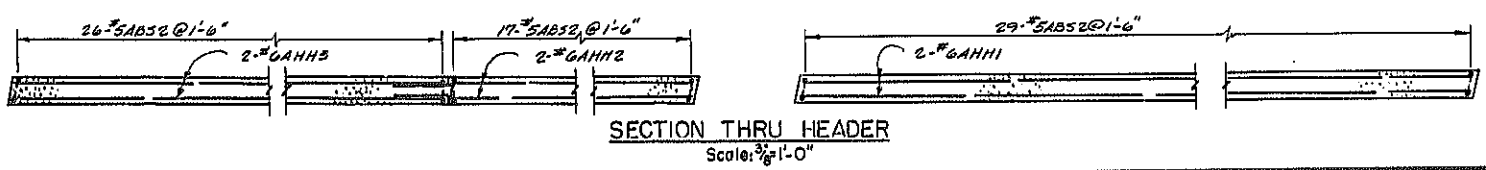
SECTION 3-3
NORTHEAST WINGWALL SIMILAR
Scale: 3/8"=1'-0"



SECTION 6-6
Scale: 3/8"=1'-0"



SECTION 7-7
Scale: 3/8"=1'-0"

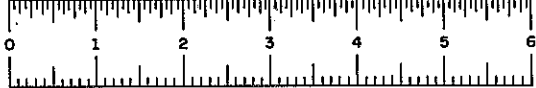


SECTION THRU HEADER
Scale: 3/8"=1'-0"

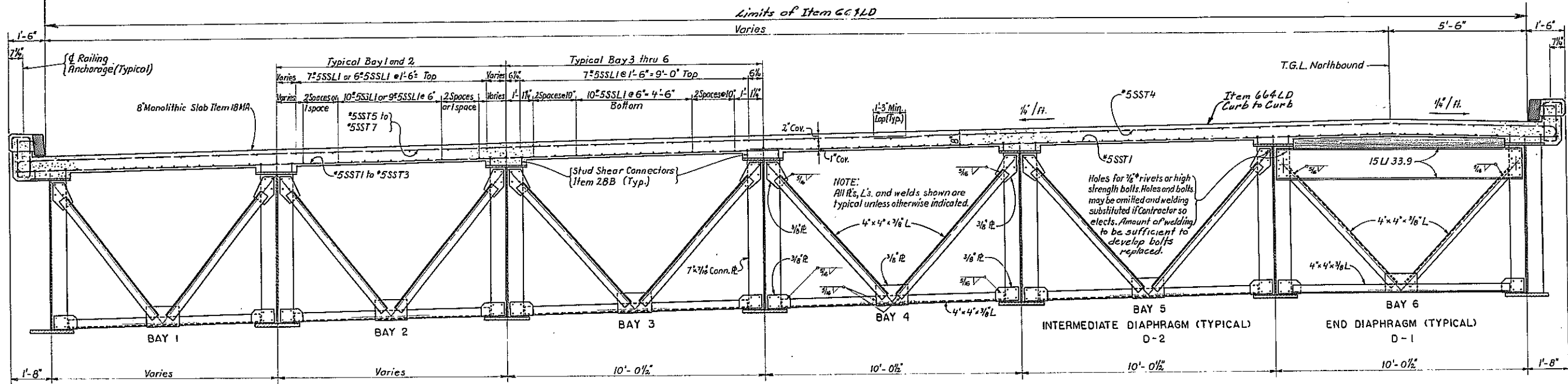
PROJECT ENGINEER A. Koralek
 IN CHARGE OF L.H. Turner
 DESIGNED BY L.H. Turner
 DESIGN CHECKED BY R.W. Ferry
 DETAILED BY L.S. ...
 DETAIL CHECKED BY K. Wachter

BRIDGE NO. 6
 RELOC. RTE. 57 OVER S.H. 5470
 EUCLID - NORTH SYRACUSE
 NB 345 + 51.60 J 11 + 69.27 SB 345 + 92.40 J 11 + 20.20

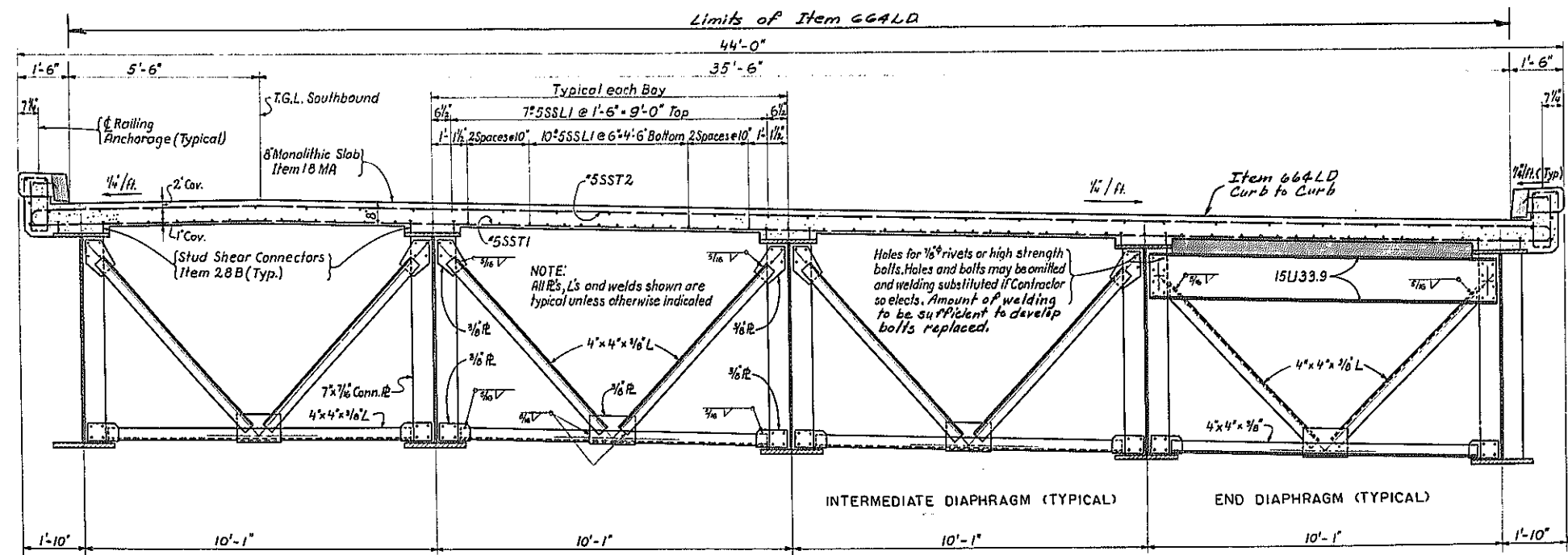
EAST ABUTMENT (3 OF 3)
 DRAWING NO. 10 OF 15



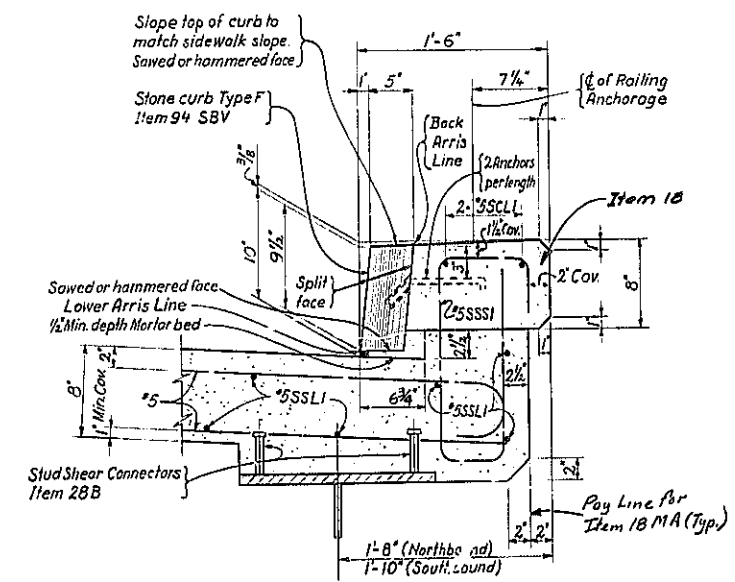
FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		230	257
EUCLID-NORTH SYRACUSE				



TYPICAL TRANSVERSE SECTION NORTHBOUND
NOT TO SCALE



TYPICAL TRANSVERSE SECTION SOUTHBOUND
SCALE: 1/2" = 1'-0"



TYPICAL SIDEWALK SECTION
SCALE: 1 1/2" = 1'-0"

PROJECT ENGINEER: A. Kowalski
 IN CHARGE OF: L.H. Turner
 DESIGNED BY: R.W. Perry
 DESIGN CHECKED BY: L.H. Turner
 DETAILED BY: O. Kozlowski
 REVIEWED BY: S. Rowe

BRIDGE NO. 6
 RELOC. RTE. 57 OVER S.H. 5470
 EUCLID - NORTH SYRACUSE
 NB 345+51.60+J11+69.27 SB 345+92.40+J11+20.20

SUPERSTRUCTURE (1 OF 4)
 DRAWING NO. 11 OF 15

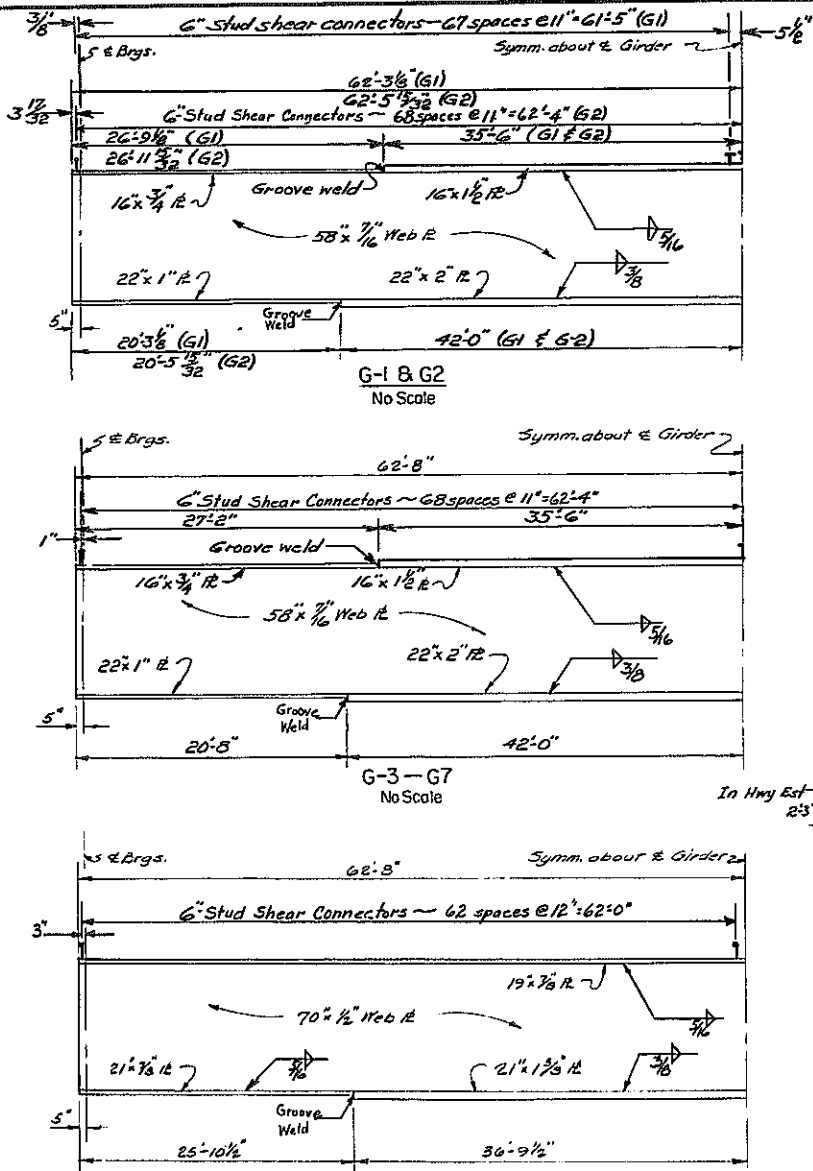
FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		231	257
EUCLID-NORTH SYRACUSE				

GIRDER	CAMBER			N'DIM. (ft)	BOTTOM OF SLAB ELEVATION (TENTH POINTS)													
	STEEL	CONC.	V.C.		TOTAL	WEST		E.WERGS										E.E.BRGS
						0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9				
1					2.04	2.12	409.43	409.48	409.53	409.57	409.60	409.63	409.65	409.67	409.68	409.69	409.69	
2					1.87	1.91	409.61	409.66	409.71	409.75	409.79	409.82	409.85	409.87	409.88	409.90	409.90	
3					1.71		409.78	409.84	409.89	409.94	409.98	410.01	410.04	410.07	410.09	410.10	410.11	
4	1"	3 13/16"	3/4"	5 9/16"	1.50		410.00	410.06	410.11	410.15	410.19	410.23	410.26	410.28	410.30	410.31	410.32	
5					1.29		410.22	410.27	410.32	410.37	410.41	410.44	410.47	410.49	410.51	410.52	410.53	
6					1.08		410.44	410.49	410.54	410.58	410.62	410.65	410.68	410.71	410.72	410.74	410.74	
7					1.09		410.44	410.49	410.54	410.58	410.62	410.65	410.67	410.70	410.71	410.72	410.73	
8					1.03		410.93	410.99	411.05	411.10	411.14	411.18	411.21	411.24	411.27	411.28	411.30	
9					1.02		410.95	411.01	411.06	411.11	411.15	411.19	411.22	411.25	411.28	411.29	411.30	
10	13/16"	3/8"	3/4"	4 1/16"	1.23		410.75	410.81	410.86	410.91	410.95	410.99	411.02	411.05	411.07	411.09	411.10	
11					1.44		410.55	410.61	410.66	410.71	410.75	410.79	410.82	410.84	410.86	410.88	410.89	
12					1.65		410.35	410.41	410.46	410.50	410.54	410.58	410.61	410.64	410.65	410.67	410.68	

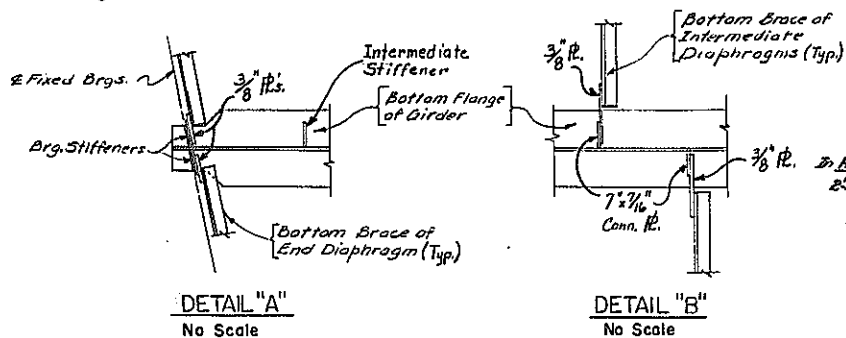
Note:
The web plates and flange plates for the girders shall be type A44 steel. Intermediate stiffeners, bearing stiffeners and connection plates shall be type A-36.

	SOUTH BOUND LANE	NORTH BOUND LANE
INTERIOR STIFFENER	5 1/2" x 3/8"	5 1/2" x 3/8"
BEARING STIFFENER	7 x 1"	7 x 1"
CONNECTION PLATES	7" x 7/16"	7" x 7/16"

Note:
For Location of "N" Dimension See Common Details Drawing No. 3 of 6.

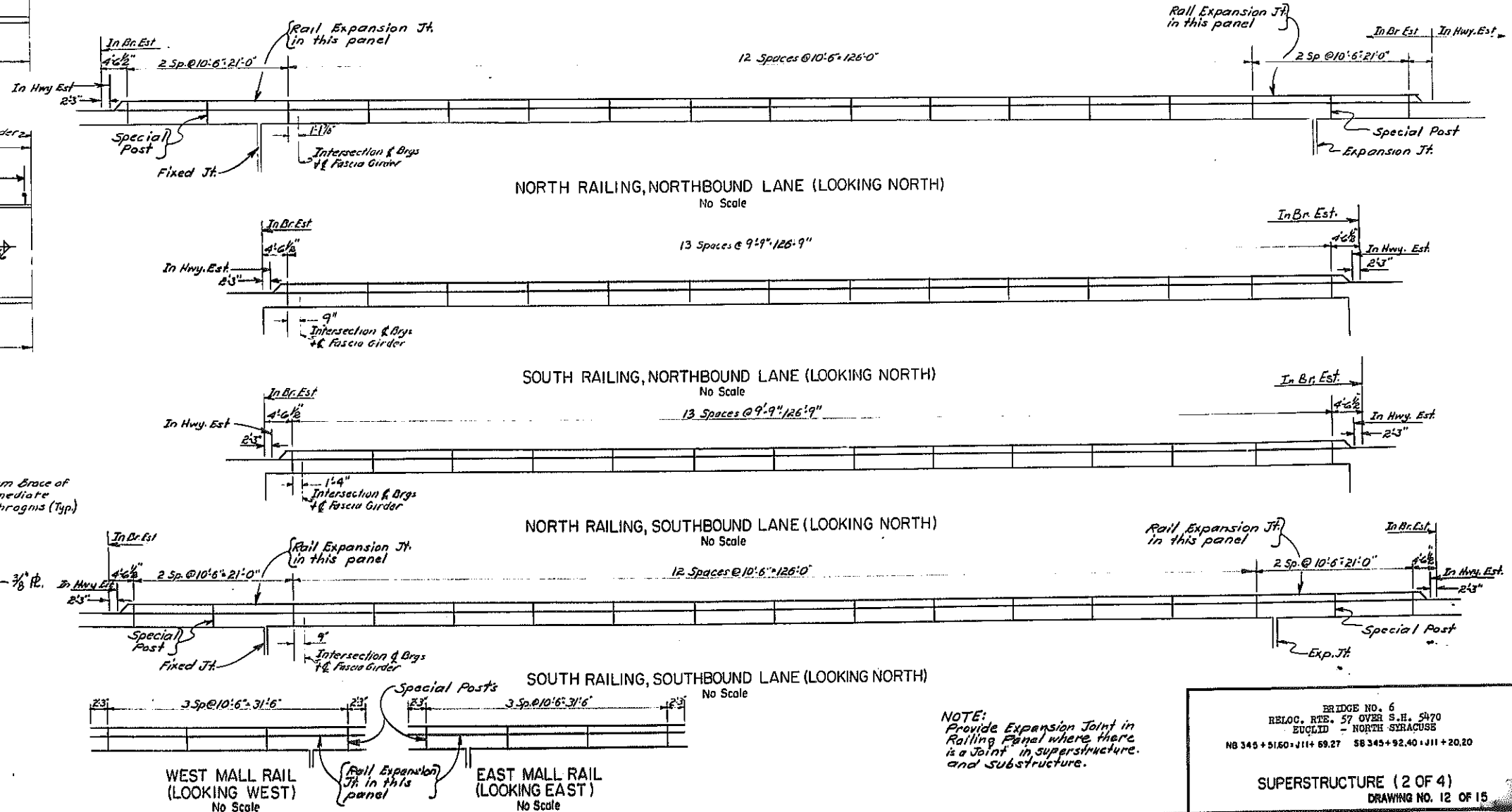


NOTE:
For Stud Shear Connector Detail, See Common Details Drawing No. 1, 2, 3 of 6.
For Coping dimensions See Common Details Dwg. No. 1 of 6.



NOTE: All bearing stiffeners shall have the option of a groove weld or milled to bear at the bearing end of the stiffener taper or cope bottom flange ends for bearings.

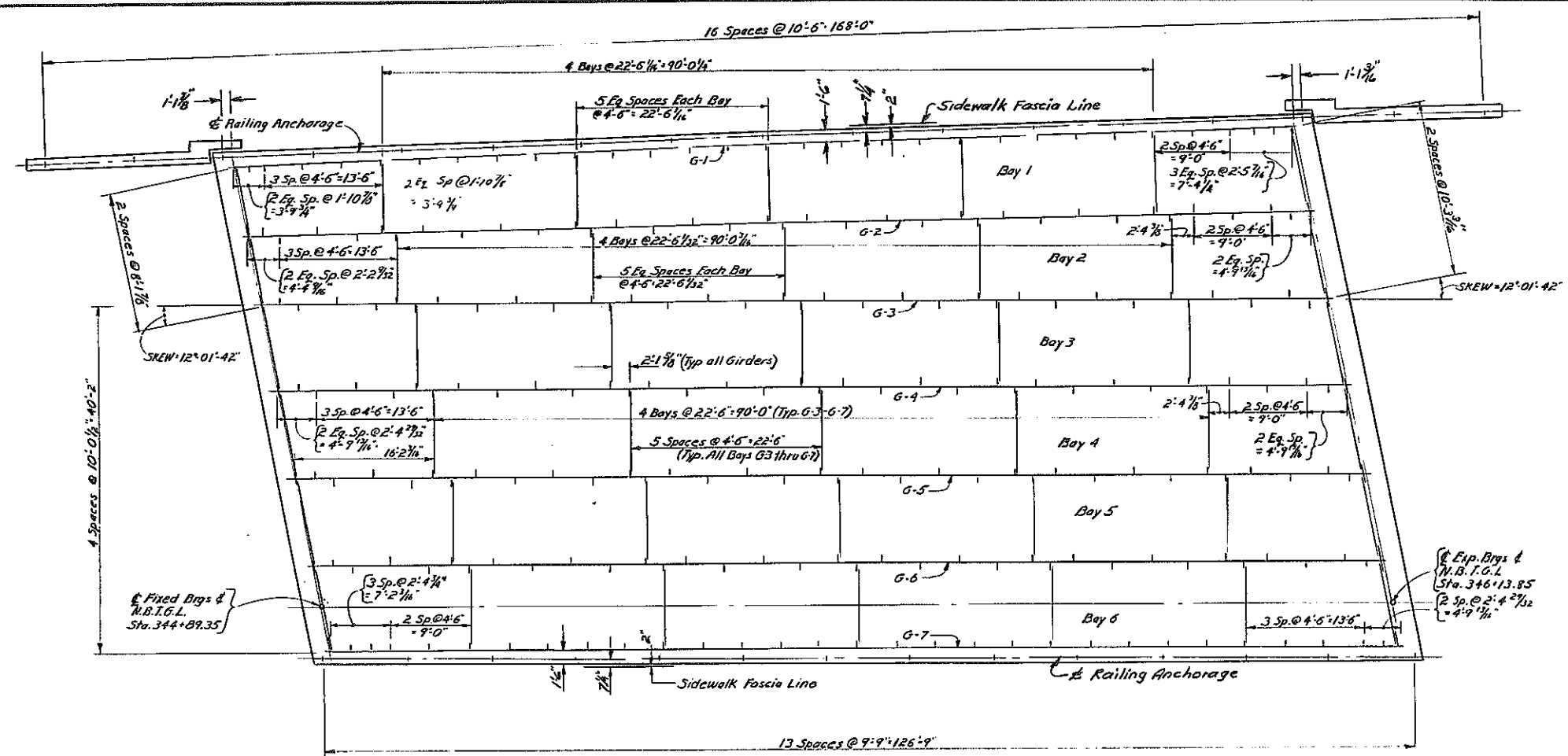
PROJECT ENGINEER: A. Koroluk
IN CHARGE OF: L.H. Turner
DESIGNED BY: R.W. Perry
DESIGN CHECKED BY: L.H. Turner
DETAILED BY: J. McSweeney
DETAIL CHECKED BY: J. McSweeney



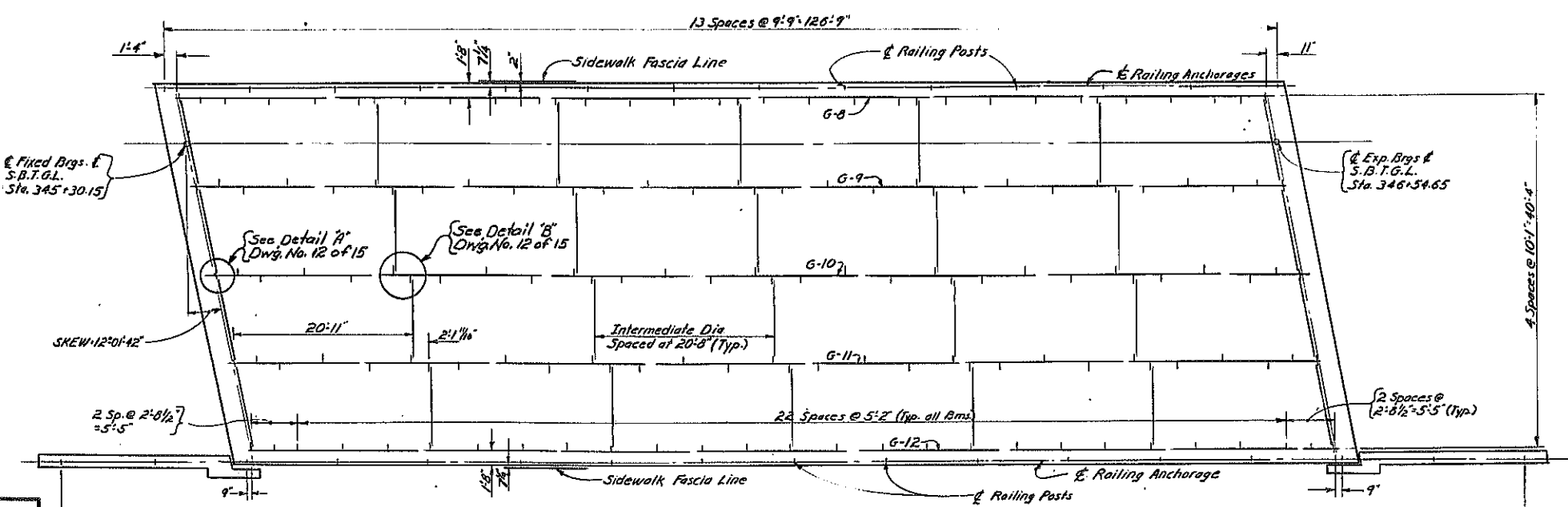
NOTE:
Provide Expansion Joint in Railing Panel where there is a joint in superstructure and substructure.

BRIDGE NO. 6
RELOC. RTE. 57 OVER S.H. 5470
EUCLID - NORTH SYRACUSE
NB 345 + 5160 + J11 + 69.27 SB 345 + 92.40 + J11 + 20.20
SUPERSTRUCTURE (2 OF 4)
DRAWING NO. 12 OF 15

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		232	257
EUCLID-NORTH SYRACUSE				



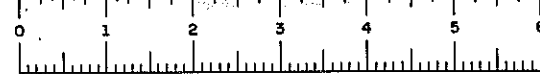
STEEL FRAMING PLAN
NORTH BOUND
Scale: 1/8"=1'-0"



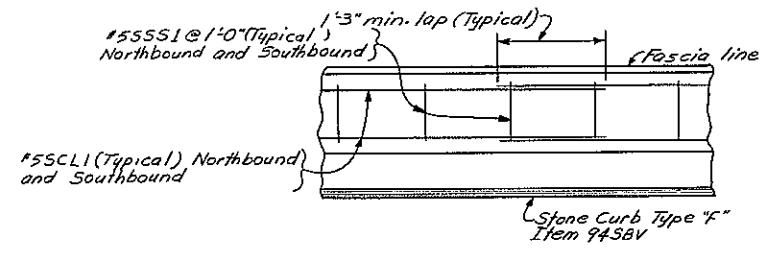
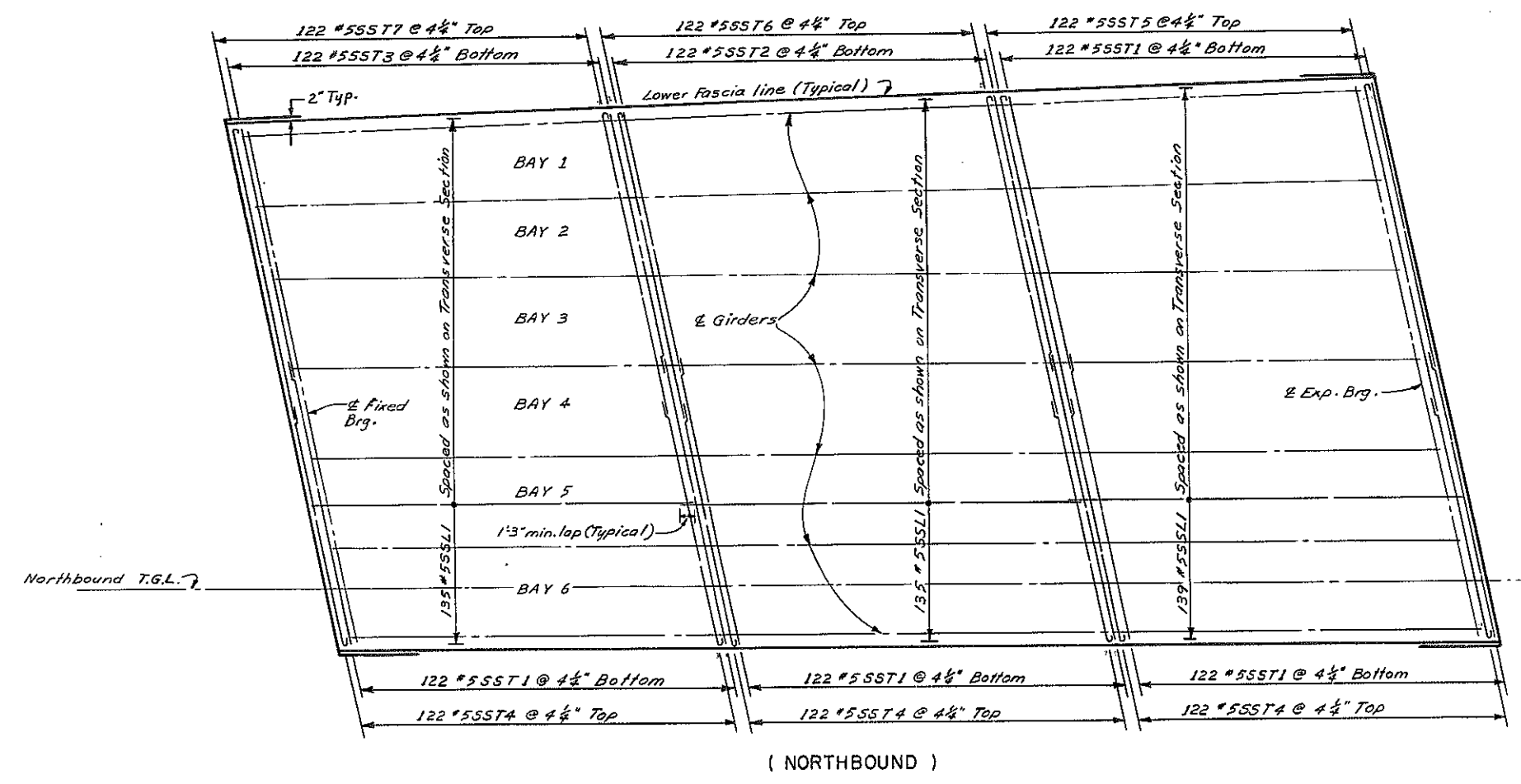
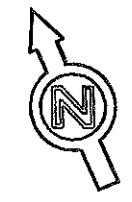
STEEL FRAMING PLAN
SOUTH BOUND
Scale: 1/8"=1'-0"

PROJECT ENGINEER A. Karolak
 IN CHARGE OF L.H. Turner
 DESIGNED BY R.W. Perry
 DESIGN CHECKED BY L.H. Turner
 DETAIL BY M. J. S. Rowe
 DETAIL CHECKED BY S. Rowe

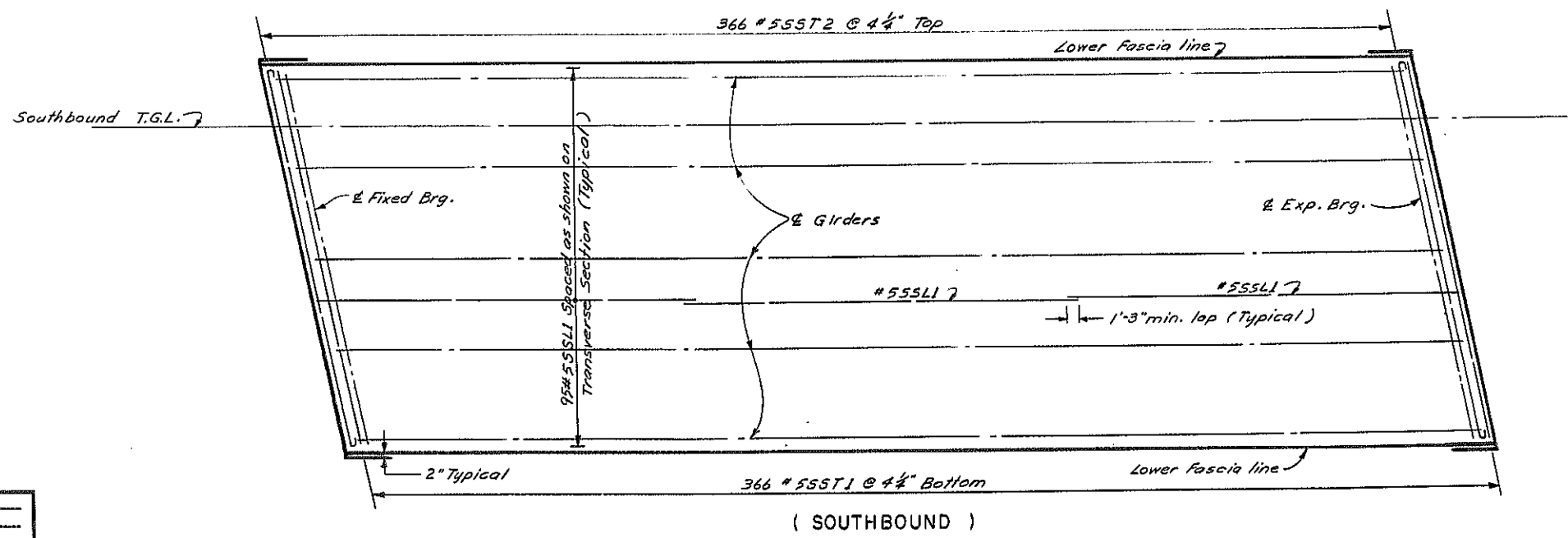
BRIDGE NO. 6
 BELOC. RTE. 57 OVER S.H. 5470
 EUCLID - NORTH SYRACUSE
 NB 345+51.60+J11+69.27 SB 345+92.40+J11+20.20
SUPERSTRUCTURE (3 OF 4)
 DRAWING NO. 13 OF 15



FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		233	257
EUCLID-NORTH SYRACUSE				



PARTIAL PLAN TOP OF SAFETYWALK REINFORCEMENT
(TYPICAL FOR NORTHBOUND AND SOUTHBOUND)
SCALE: 1" = 1'-0"



SUPERSTRUCTURE REINFORCEMENT
SCALE: 1/8" = 1'-0"

PROJECT ENGINEER *A. Karolak*
 IN CHARGE OF *L. H. Turner*
 DESIGNED BY *L. H. Turner*
 DESIGN CHECKED BY *R. W. Perry*
 DETAILED BY *S. Rowe*
 DETAIL CHECKED BY *S. Rowe*

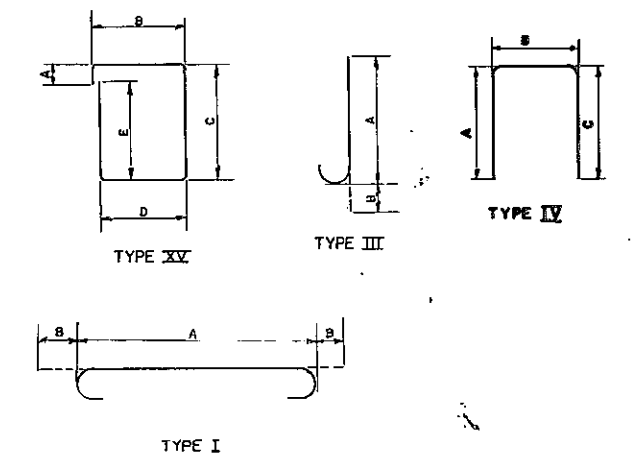
BRIDGE NO. 6
 RELOC. RTE. 57 OVER S.H. 3470
 EUCLID - NORTH SYRACUSE
 NB 345 + 51.60 + J11 + 69.27 SB 345 + 92.40 + J11 + 20.20
 SUPERSTRUCTURE (4 OF 4)
 DRAWING NO. 14 OF 15

Table with 5 columns: FED. RD. REC. NO., STATE, FEDERAL AID PROJ. SECT., SHEET NO., TOTAL SHEETS. Values: N.Y., 234, 257. Note: EUCLID-NORTH SYRACUSE

Main table for SUPERSTRUCTURE - NORTHBOUND and SOUTHBOUND. Columns: MARK, SIZE, NO., LENGTH, TYPE, A, B, C, D, E, F, G, LOCATION.

Main table for EAST ABUTMENT and PILES. Columns: MARK, SIZE, NO., LENGTH, TYPE, A, B, C, D, E, F, G, LOCATION.

BAR TYPES



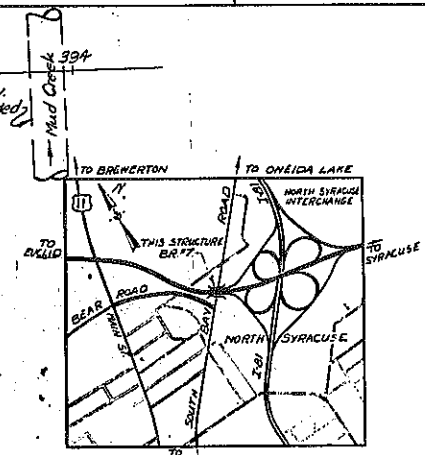
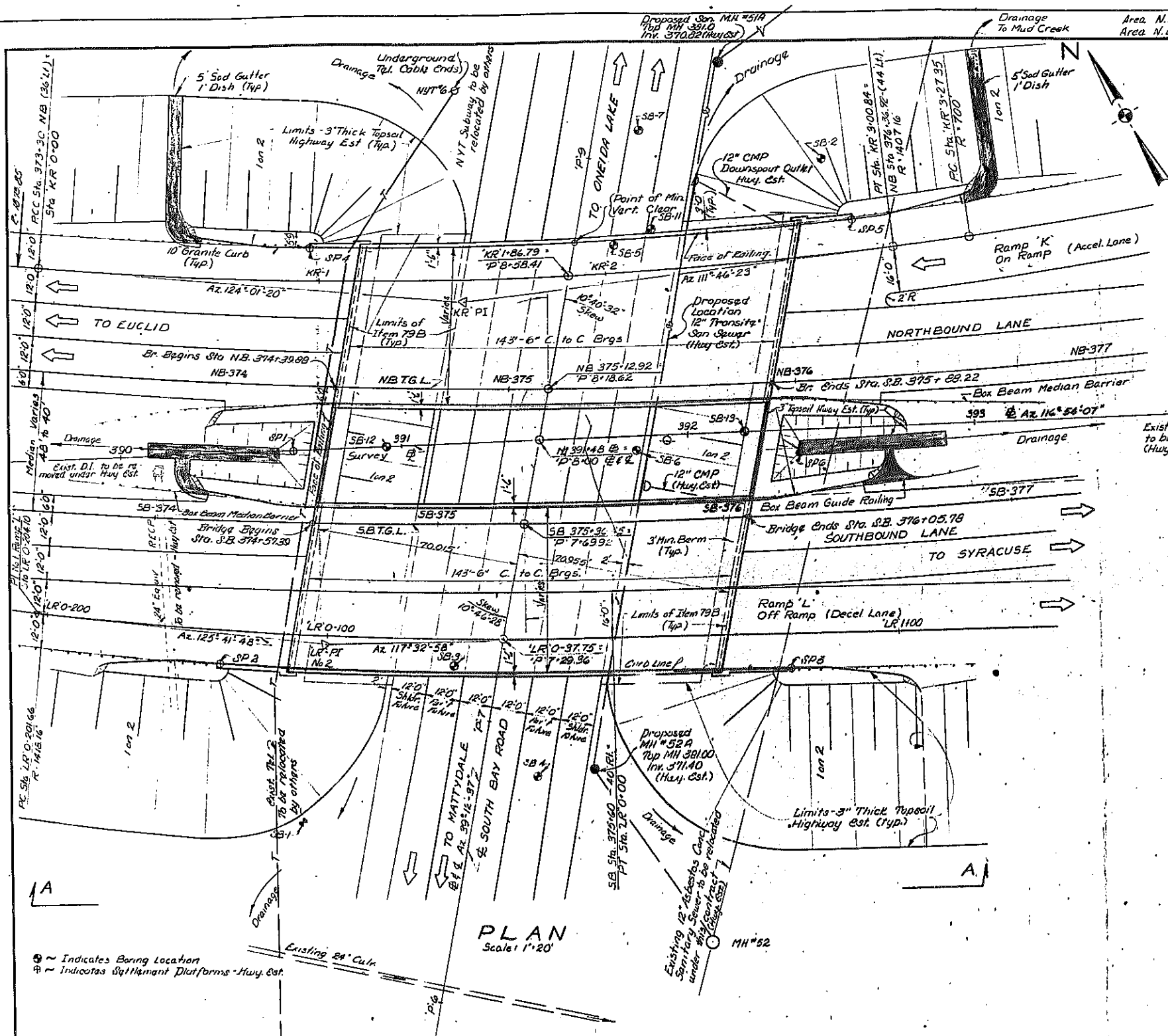
PLANS MADE BY REVISION: 1st REVISION, 2nd REVISION, 3rd REVISION. PROJECT ENGS. A. Karolak, IN CHARGE OF... DESIGNED BY... DETAILED BY... TRACED BY... TRACING CHECKED BY...

ALL DIMENSIONS ARE OUT TO OUT OF BARS

BRIDGE NO. BRIDGE NO. 6 RELOC. RTE. 57 OVER S.H. 5470 EUCLID - NORTH SYRACUSE BAR LIST

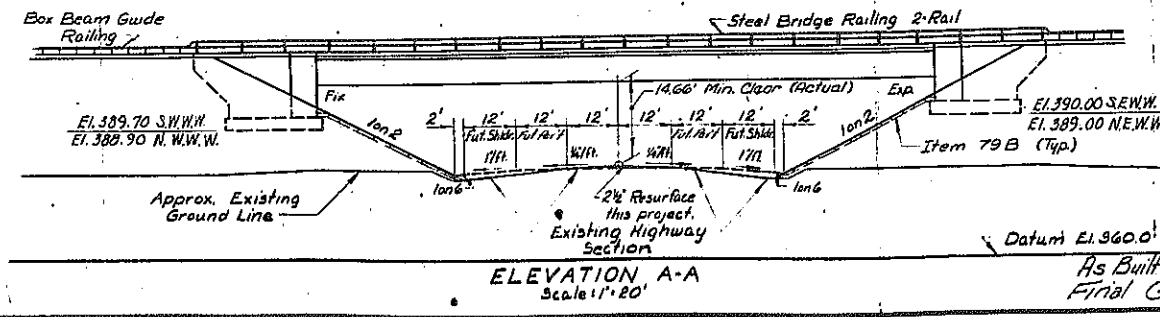
FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		235R1	257
EULID-PORT JUNCTION				
AS BUILT				

CURVE DATA			
NORTHBOUND	SOUTHBOUND	RAMP 'K'	RAMP 'L' - CURVE No. 2
PI @ Sta. 390+24 - 171.69' RT. $\Delta = 49^{\circ} 41' 50''$ $\theta_s = 4^{\circ} 30' 00''$ $\Delta_c = 40^{\circ} 41' 50''$ $L_s = 300'$ $D_c = 3^{\circ} 00' 00''$ $R = 1909.85'$ $L_c = 1356.57'$ $T_s = 1035.92'$ $Y_c = 7.85'$ $E_s = 197.02'$ $e = 5/8''$	PI @ Sta. 390+10.33 - 219.18' RT. $\Delta = 49^{\circ} 41' 52''$ $\theta_s = 4^{\circ} 30' 00''$ $\Delta_c = 40^{\circ} 41' 52''$ $L_s = 300'$ $D_c = 3^{\circ} 00' 00''$ $R = 1909.85'$ $L_c = 1356.59'$ $T_s = 1035.93'$ $Y_c = 7.85'$ $E_s = 197.01'$ $e = 5/8''$	PI @ Sta. 391+23.94 - 49.15' LT. $\Delta = 12^{\circ} 14' 57''$ $\theta_s = 4^{\circ} 04' 18''$ $R = 1407.16'$ $T = 151.00'$ $L_c = 300.84'$ $e = 5/8''$	PI @ Sta. 374+61.16 - 42.61' RT. $\Delta = 8^{\circ} 08' 50''$ $\theta_s = 4^{\circ} 02' 25''$ $R = 1418.16'$ $T = 101.00'$ $L_c = 201.66'$ $E = 3.6'$ $e = 5/8''$ on Structure



ITEM 29		
TYPE OF	WEIGHT	
STEEL	NEAT	PROP.
A 441	619,460	619,460
A 36	92,208	92,210
A 242	6,713	6,780

ESTIMATE OF QUANTITIES				
ITEM	DESCRIPTION	UNIT	NEAT	PROP. FINAL
2EF-B	Selected Granular FILL	C.Y.	2262	2270 18051
2UF	Underdrain Filter	C.Y.	23	30 22.2
5B	Structure Excavation	C.Y.	4,496	4500 2169.4
11H6	Perforated Corrugated Metal Pipe Underdrain-6"	L.F.	399	400 420.5
13DEX	Downspouts	L.F.	19	20 30.94
18	Class A Concrete for Structures	C.Y.	32	40 31.89
18MA	Class A Concrete for Structures	S.F.	17240	17240 17,338.8
20	Class B Concrete for Structures	C.Y.	722	730 728.97
24A	Bagged Screened Aggregate	C.Y.	119	120 133.68
28	Bar Reinforcement for Structures	Lbs.	196389	196400 195,667
28B	Stud Shear Connectors	Each	3360	3360 3346
29	Structural Steel	Lbs.	719441	719450 713,741
37S(2)	Steel Bridge Railing (Two Rail)	L.F.	782	790 781.29
61	Bituminous Material	Gal	184	190 187.8
70B	Concrete Block Paving	S.F.	1390	1390 1427.22
83TXS	Temporary Sheet Piling	S.F.	7227	7230 0
94SBY	Stone Curb (Bridge Types)	L.F.	1033	1040 1018.7
101B	Drainage Trough	L.F.	116	120 118.10
124	Sodding	S.Y.	151	160 0
3631	Epoxy Protective Coating for Concrete	S.F.	3802	3810 4560
664LD	Linseed Oil Protective Coating for Concrete	Gal	77	80 0
2KID	Selected Fill (Bridge Foundations)	C.Y.	21634	21640 10,977

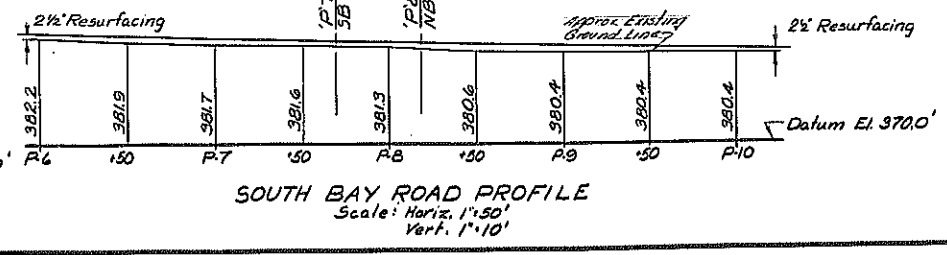
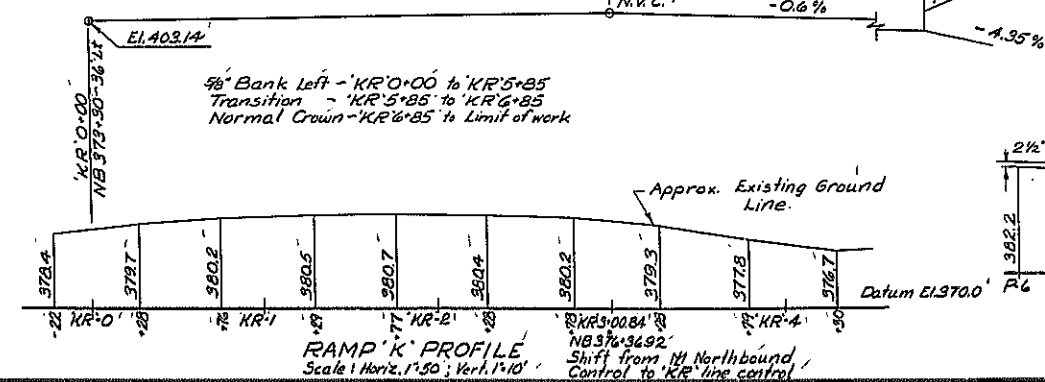
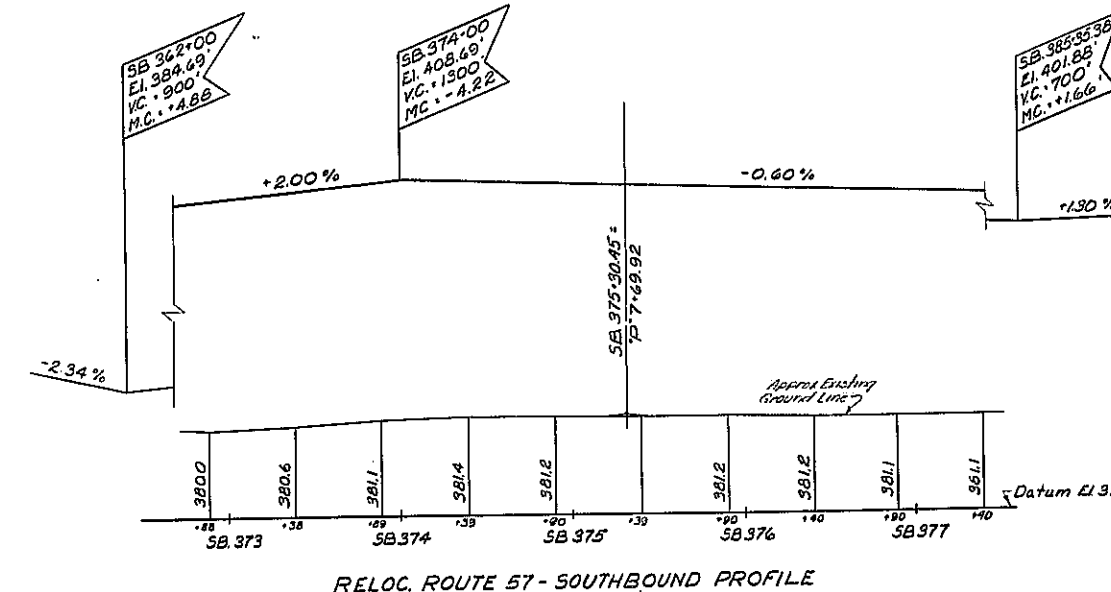
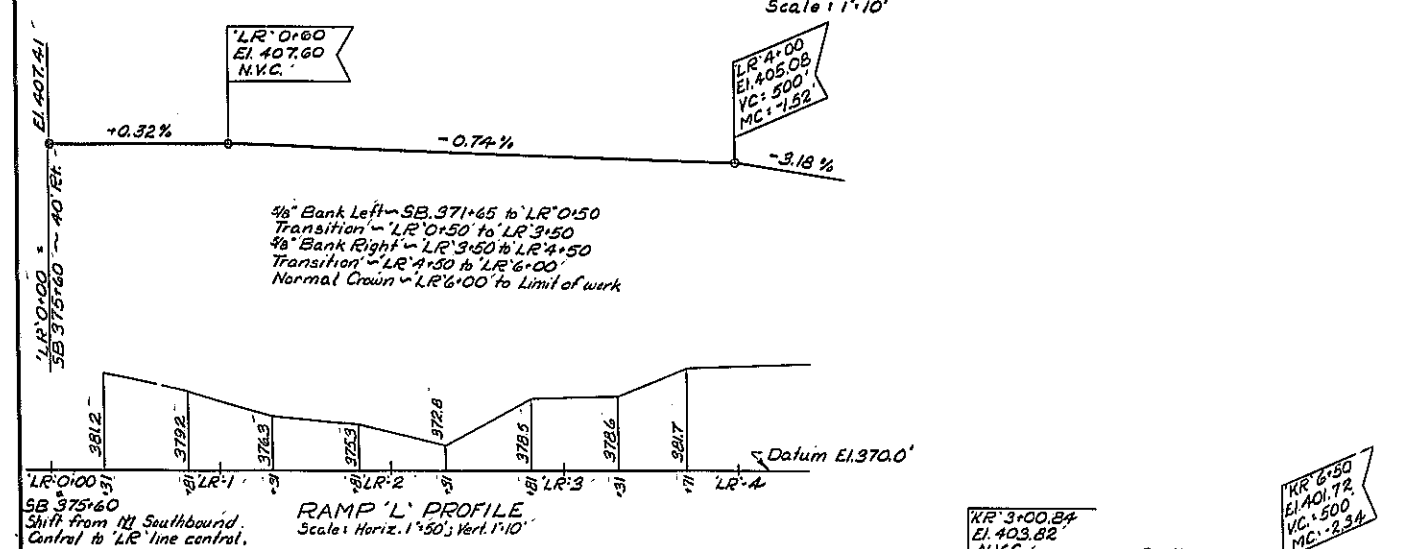
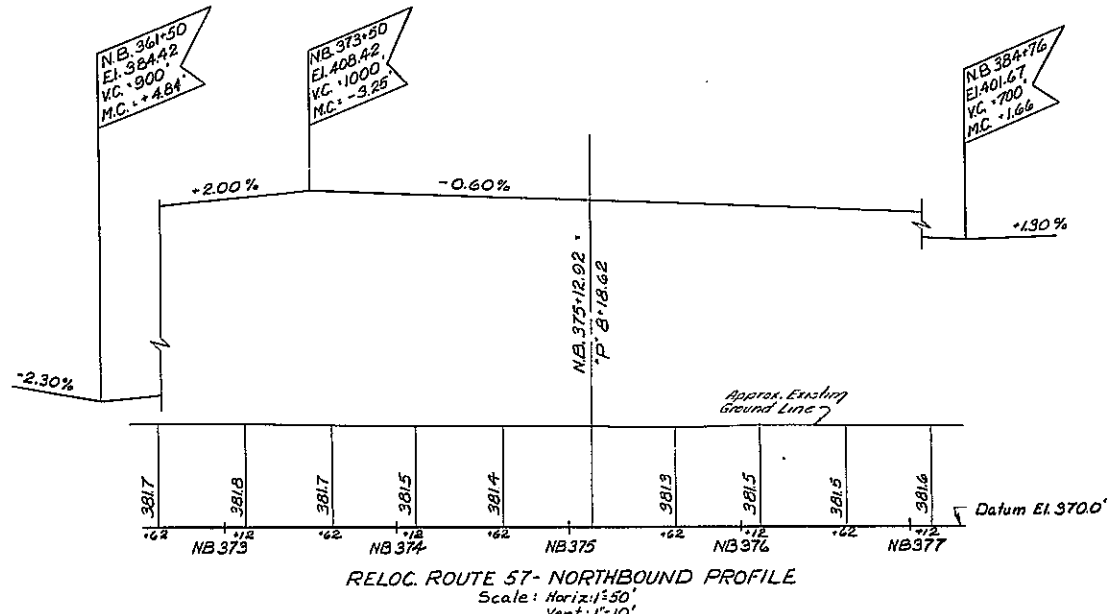
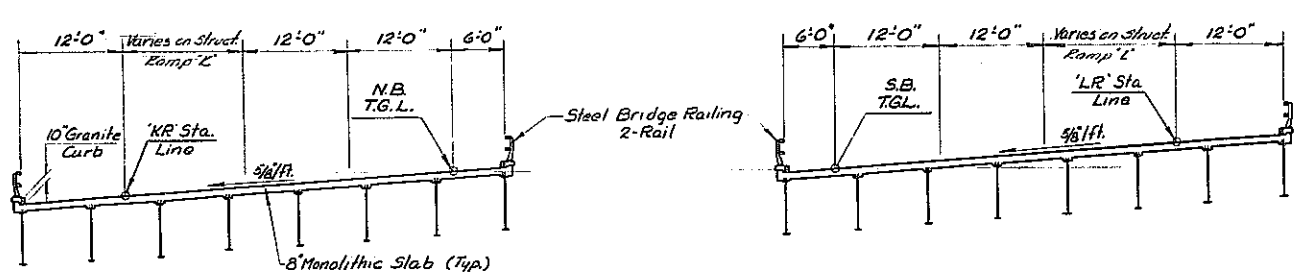
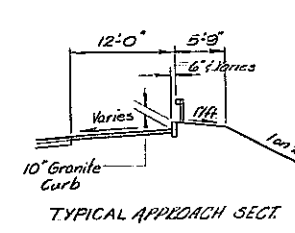
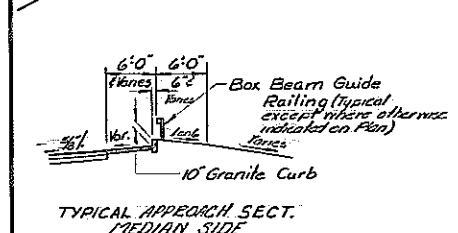
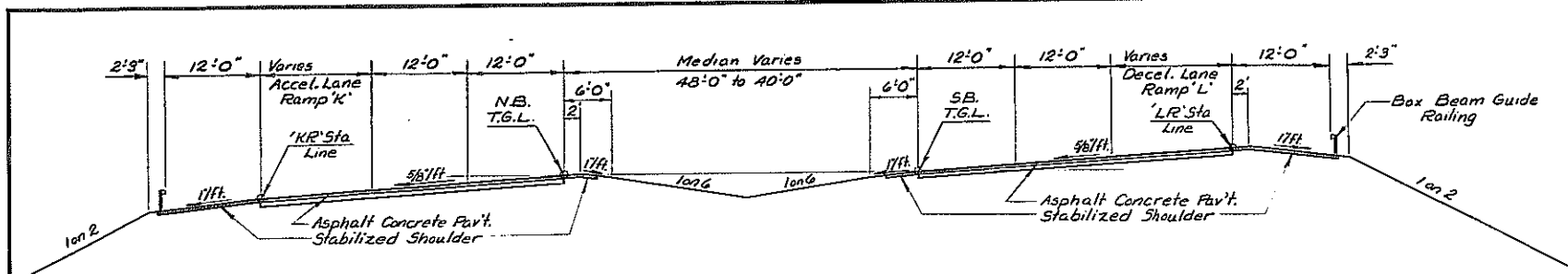
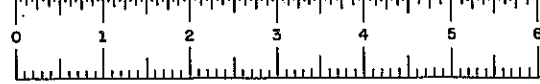


PROJECT ENGINEER: J. S. Mada
 IN CHARGE OF: J. S. Mada
 DESIGNED BY:
 DESIGN CHECKED BY:
 DETAILED BY: Tony Campoli
 DETAIL CHECKED BY:

BRIDGE NO. 7
 NEW S.H. OVER SOUTH BAY RD.
 EUCLID - NORTH SYRACUSE
 PLAN AND ESTIMATE
 DRAWING NO. OF

As Built Revision:
 Final Quantities Shown

FED. RD. RES. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		236	257
EUCLID-NORTH SYRACUSE				

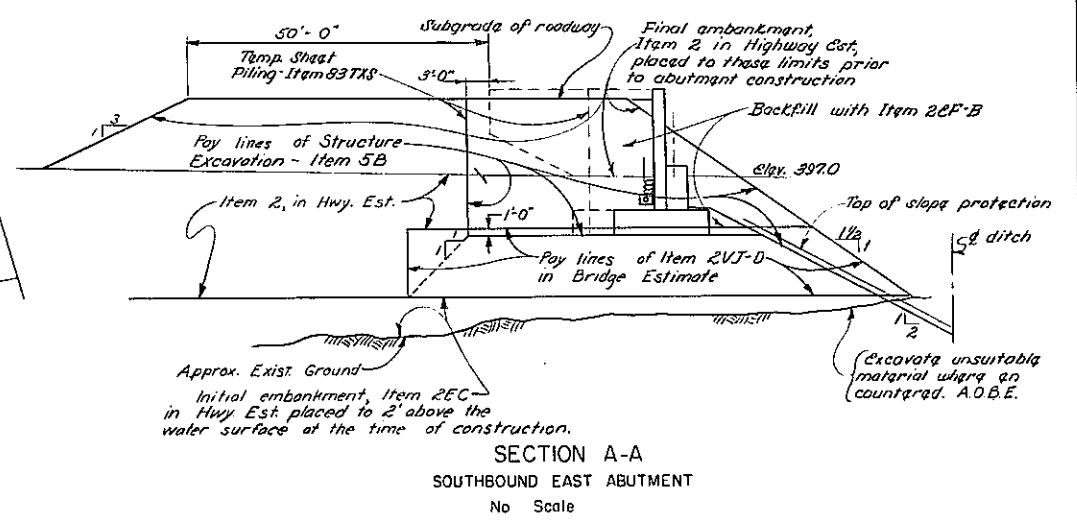
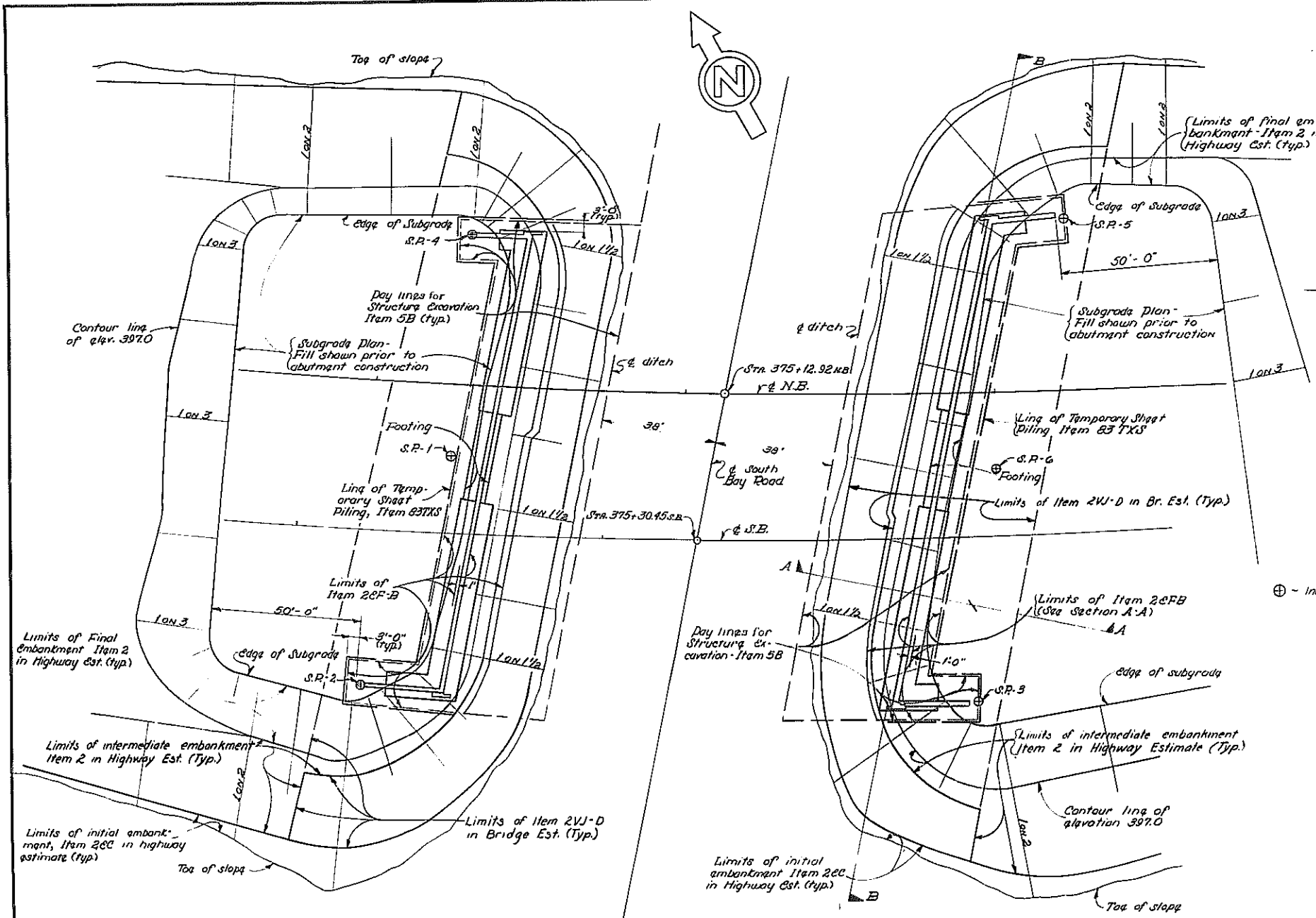


PROJECT ENGINEER: *[Signature]*
 IN CHARGE OF: *[Signature]*
 DESIGNED BY:
 DESIGN CHECKED BY: *[Signature]*
 DETAILED BY: *[Signature]*
 DETAIL CHECKED BY: *[Signature]*

BRIDGE NO. 7
 NEW S.H. OVER SOUTH BAY RD.
 EUCLID - NORTH SYRACUSE
 PROFILES AND SECTIONS
 DRAWING NO. 2 OF 23



FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		237	257
EUGLID-NORTH SYRACUSE				



⊕ - Indicates Settlement Platforms

SETTLEMENT PLATFORM LOCATION
HIGHWAY ESTIMATE

STATION	NO.	OFFSET
S.B. 374 + 50	SP-1	25' Lt.
S.B. 374 + 24	SP-2	50' Rt.
S.B. 376 + 20	SP-3	53' Rt.
N.B. 374 + 28	SP-4	49' Lt.
N.B. 376 + 24	SP-5	56' Lt.
N.B. 376 + 00	SP-6	25' Pt.

SEQUENCE OF OPERATIONS

1. Remove unsuitable material A.O.B.E.
2. Place initial embankment, Item 2EC, to two (2) feet above the water surface at the time of construction.
3. Place Item 2VJ-D to one (1) foot above the bottom of footings.
4. Place Item 2 to El. 397.0 and wait for a period of two (2) months.
5. Place final embankment, Item 2, to subgrade elevation and wait a period of four (4) months.
6. Drive temporary sheet piling.
7. Excavate, Item 5B, to limits shown.
8. Construct all footings.
9. Construct abutments, wall-walls and wingwalls.
10. Remove temporary sheet piling and backfill with Item 2EF-B.

WEST ABUTMENT
No Scale

EAST ABUTMENT
No Scale

The Contractor shall place and compact all fill for bridges between the final toes of slope in accordance with the plans and specifications in a manner satisfactory to the Deputy Chief Engineer (Design).

The initial embankment constructed to Elev. 397.0 shall be allowed to stand a minimum of 60 days or for a period of time as determined by the Deputy Chief Engineer (Design) prior to final embankment construction.

The final embankment constructed to subgrade shall be allowed to stand a minimum of 120 days or for a period of time as determined by the Deputy Chief Engineer (Design) prior to any substructure construction.

Items 2 and 2EF-B and Items 2 and 2VJ-D shall be placed simultaneously, in contact, on both sides of the vertical payment line. Shooting or other means shall not be used to separate the two materials.

For design purposes the foundation pressure does not exceed 2 1/2 tons per square foot.

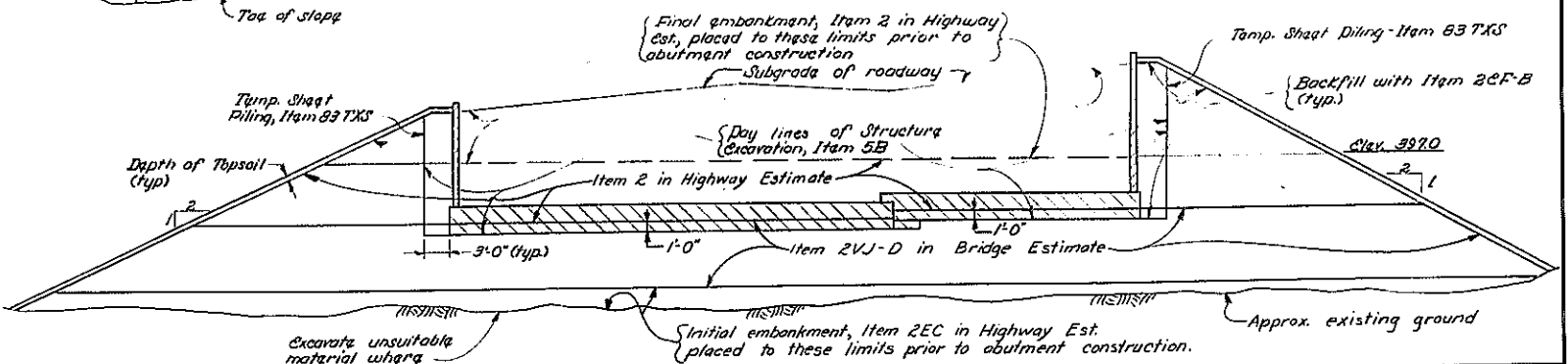
All embankments of Selected Granular Fill, Item 2EP-B and Selected Pile (Bridge Foundation), Item 2VJ-D, shall be compacted to a minimum dry density of 100% of Maximum Density and embankments of Selected Borrow, Item 2EC, shall be compacted to a minimum dry density of 90-95% of Maximum Density as defined under "h. Embankments" of the General Excavation Specifications.

However, where the material contains more than 30% by weight, of particles retained on the 3/4 inch sieve, a minimum dry density of 95% of the Maximum Density will be required.

All sod, topsoil and unsuitable material under the substructure embankment shall be removed as specified under the General Excavation Specification and replaced by the same item as the layer of embankment adjacent and above as shown on the plans.

The installation of Selected Pile, Item 2EP-B, as shown on the structural plans, shall be completed immediately following the completion of abutments or walls.

See highway plans for additional details.

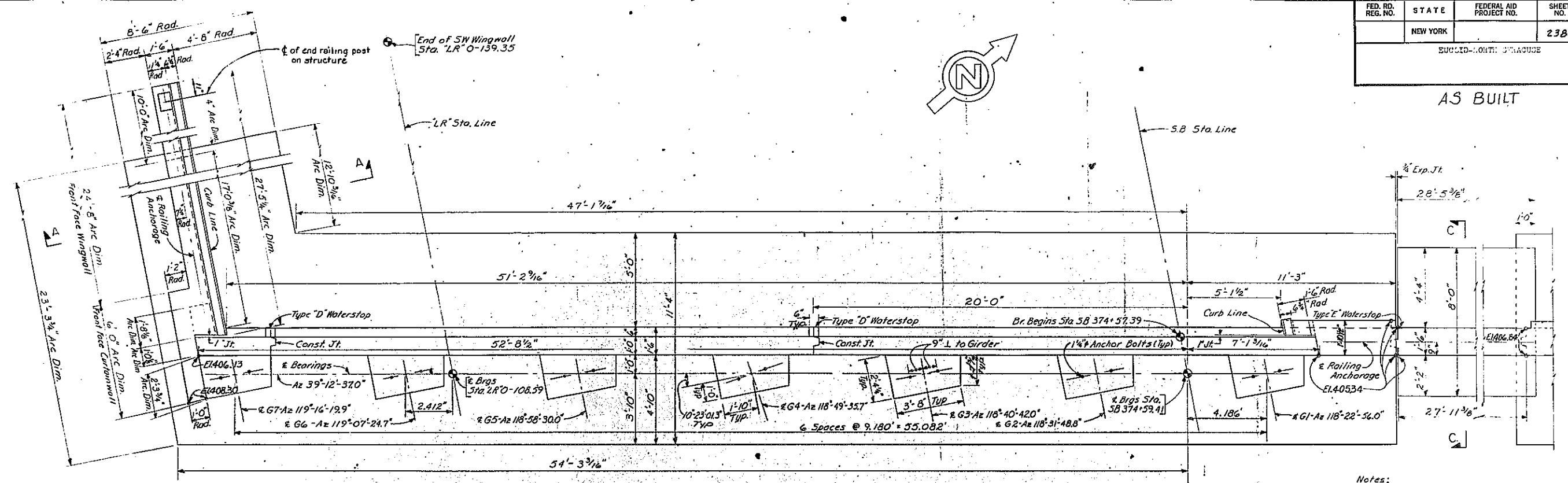


PROJECT ENGINEER: A. Karolik
 IN CHARGE OF: J. E. ...
 DESIGNED BY: ...
 DESIGN CHECKED BY: ...
 DETAILED BY: ...
 DETAIL CHECKED BY: ...

BRIDGE NO. 7
 NEW S.H. OVER SOUTH BAY RD.
 EUGLID - NORTH SYRACUSE
 EMBANKMENT DETAILS
 DRAWING NO. 3 OF 23

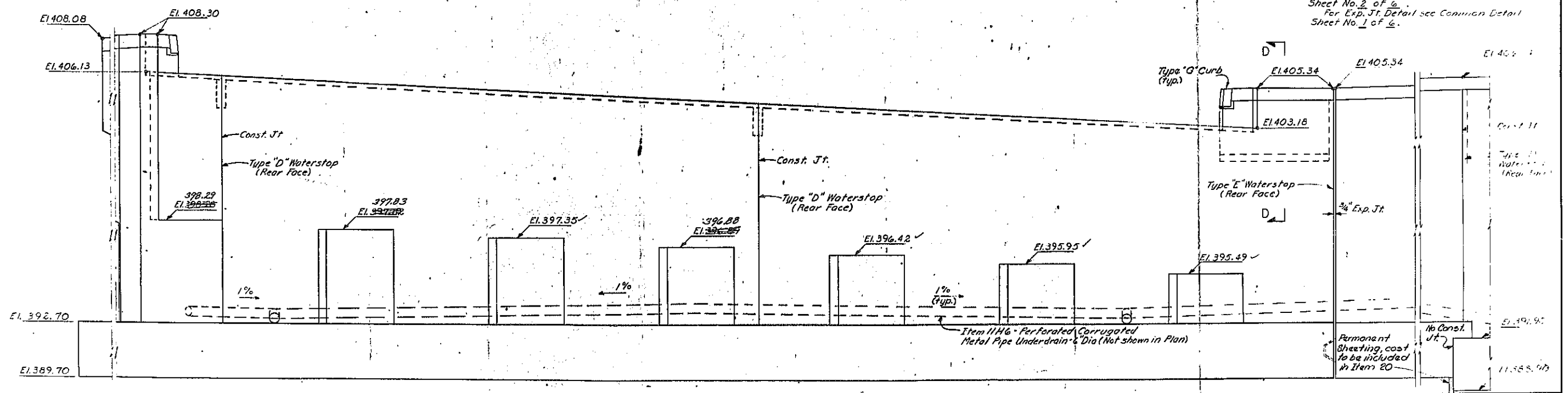
FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		238E	257

AS BUILT



PLAN
Scale: 3/8"=1'-0"

Notes:
 Bearing Anchor Bolts shall be 1/4" Dia. threaded or snedged bolts 1'-6" long set 1'-0" into masonry.
 For Fixed Jt. Detail see Common Detail Sheet No. 2 of 6.
 For Jt. Details see Common Detail Sheet No. 2 of 6.
 For Exp. Jt. Detail see Common Detail Sheet No. 1 of 6.



ELEVATION
Scale: 3/8"=1'-0"

PROJECT ENGINEER *A. Kurbani*
 IN CHARGE OF *[Signature]*
 DESIGNED BY *[Signature]*
 DESIGN CHECKED BY *A. Kurbani*
 DETAILED BY *[Signature]*
 DETAIL CHECKED BY *A. Kurbani*

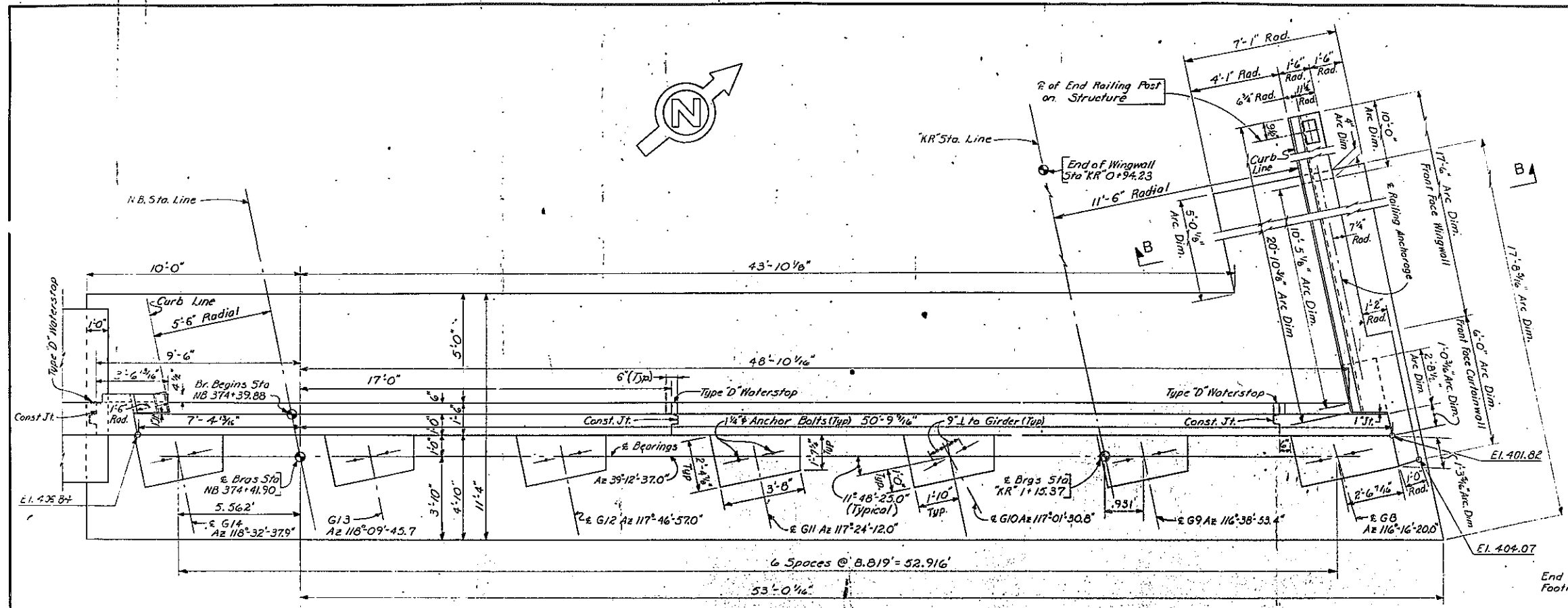
*As Built Revisions:
 Altered Br. Pedestal Elevations*

BRIDGE NO. 7
 NEW S.H. OVER SOUTH BAY RD.
 EUCLID - NORTH SYRACUSE
 WEST ABUTMENT - PLAN & ELEVATION S.B.

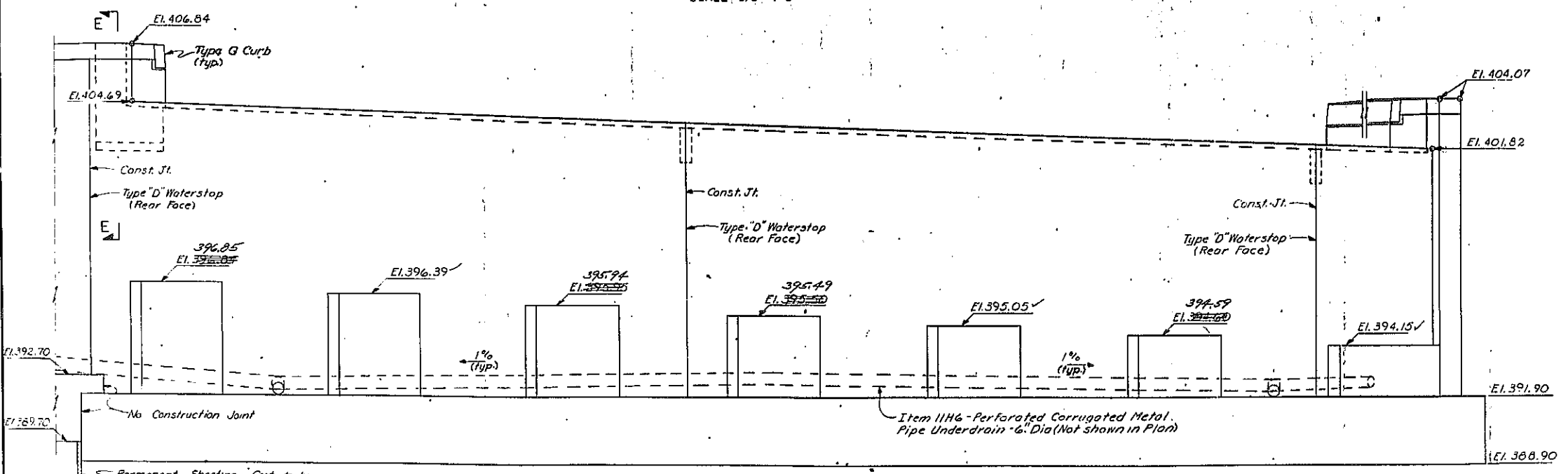
FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		239 of 257	257

EUCLID-NORTH SYRACUSE
AS BUILT

Notes:
 Bearing Anchor Bolts shall be 1 1/4" Dia threaded & swaged bolts 1'-6" long set 1'-0" into masonry.
 For Fixed Jt. Detail see Common Detail Sheet No. 2 of 6.
 For Jt Details see Common Detail Sheet No. 2 of 6.
 For Exp. Jt. Detail see Common Detail Sheet No. 1 of 6.
 For Railing Layout, see Dwg No 20 of 23.



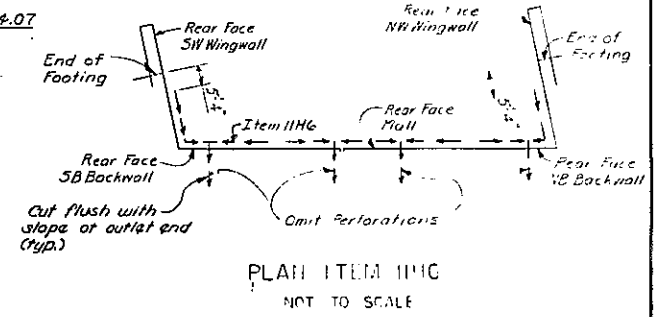
PLAN SCALE: 3/8" = 1'-0"



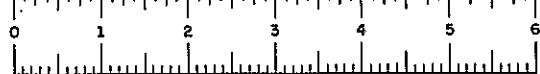
ELEVATION SCALE: 3/8" = 1'-0"

PROJECT ENGINEER: *A. G. G. G.*
 IN CHARGE OF: *U. S. G. G.*
 DESIGNED BY: *U. S. G. G.*
 DESIGN CHECKED BY: *A. K. K. K.*
 DETAILED BY: *U. S. G. G.*
 DETAIL CHECKED BY: *A. K. K. K.*

As built revision:
 Altered Br. Padartal Elevations

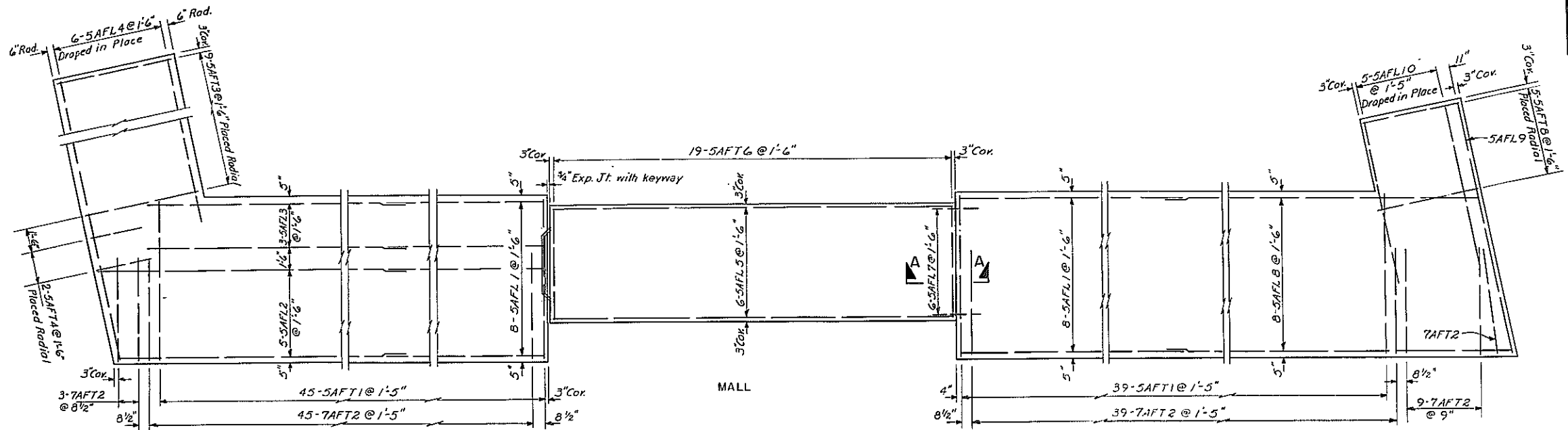


BRIDGE NO. 7
 NEW S.H. OVER SOUTH BAY RD.
 EUCLID - NORTH SYRACUSE
 WEST ABUTMENT - PLAN & ELEVATION N.B.
 DRAWING NO. OF 257

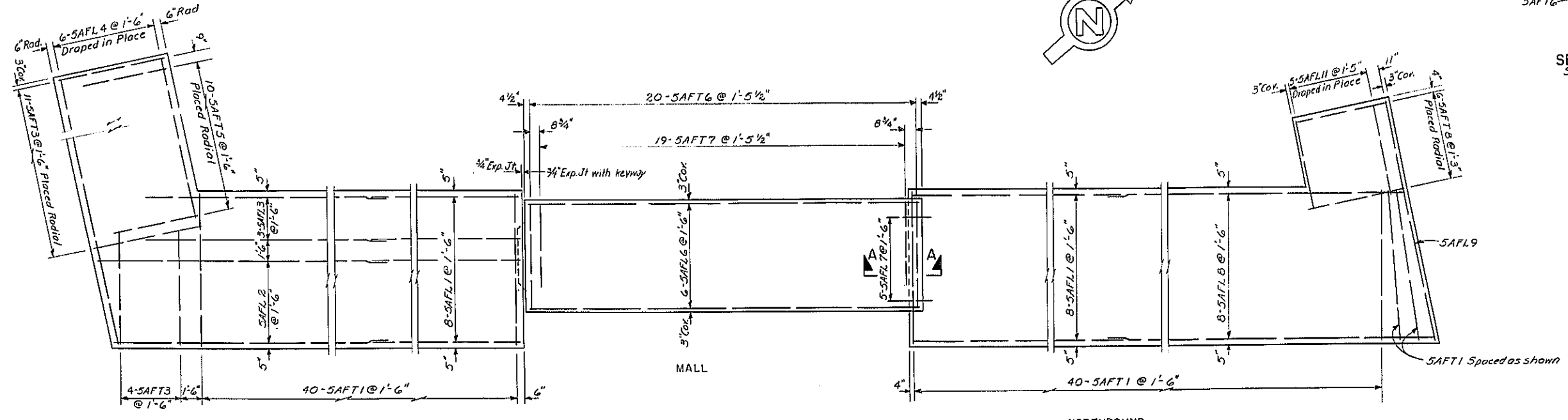


SH 69-5 RC 69-102

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		240	257
EUCLID-NORTH SYRACUSE				



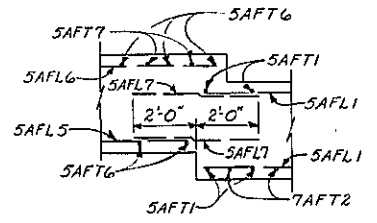
SOUTHBOUND NORTHBOUND
BOTTOM STEEL



SOUTHBOUND NORTHBOUND
TOP STEEL

FOOTING REINFORCEMENT PLAN
Scale: 1/4" = 1'-0"

Notes:
Cover shall be 3" Min. unless otherwise noted.
Bar lap shall be 24 diameters min.

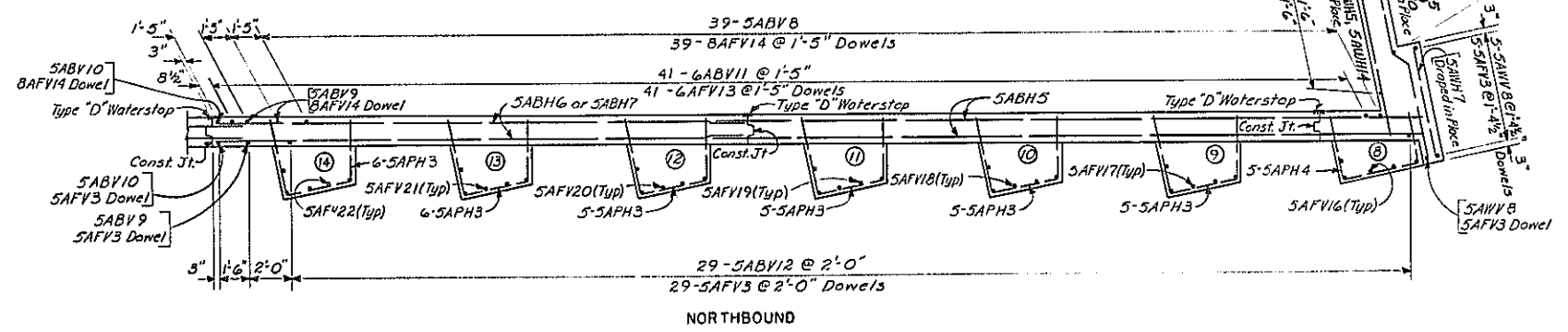
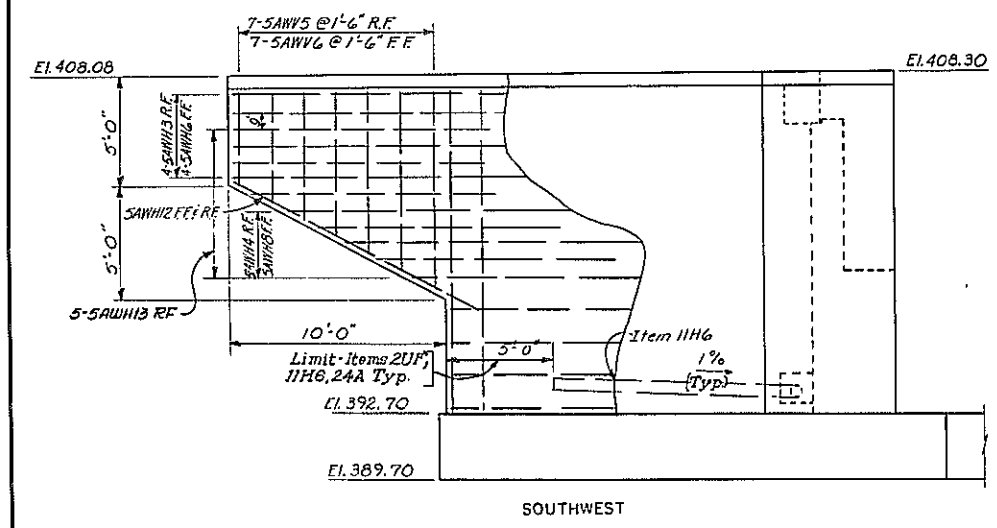
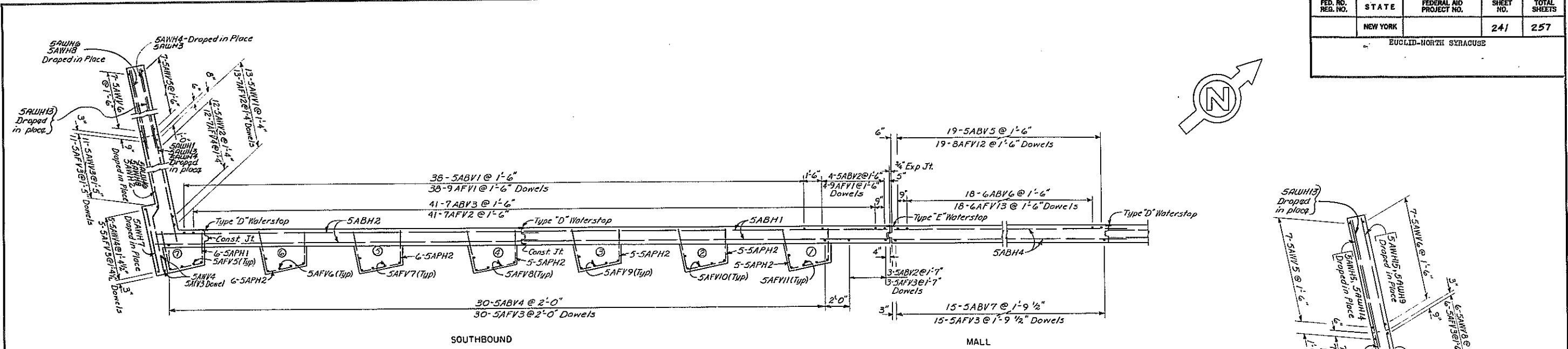


SECTION A-A
Scale: 1/8" = 1'-0"

PROJECT ENGINEER: *A. Jacob*
 IN CHARGE OF: *A. Jacob*
 DESIGNED BY: *A. Jacob*
 DESIGN CHECKED BY: *A. Kulkarni*
 DETAIL CHECKED BY: *D. M. Graw*
 DETAIL CHECKED BY: *A. Kulkarni*

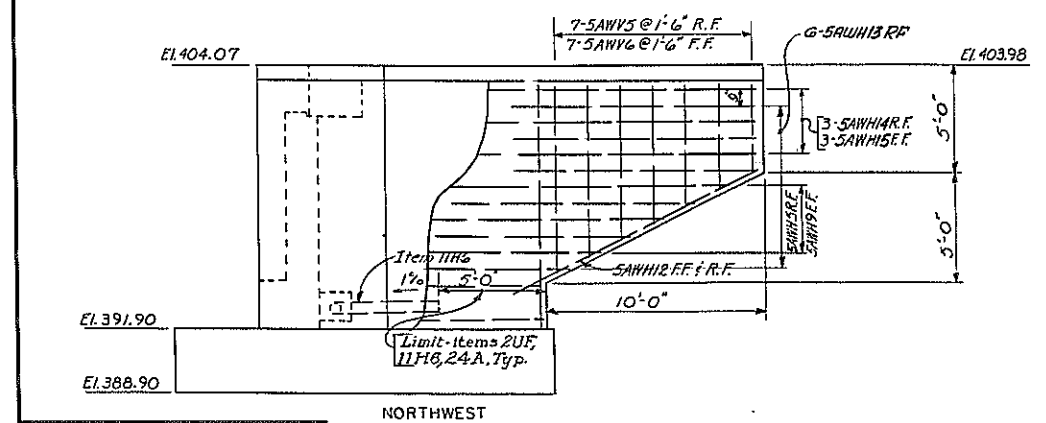
BRIDGE NO. 7
 NEW S.H. OVER SOUTH BAY RD.
 EUCLID - NORTH SYRACUSE
 WEST ABUTMENT - FOOTING REINFORCEMENT
 DRAWING NO. 6 OF 23

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		241	257
EUCLID-NORTH SYRACUSE				

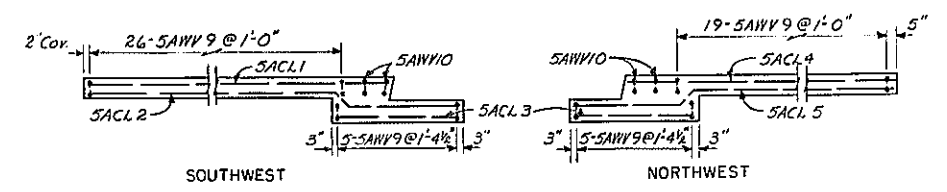


BACKWALL, WINGWALL, MALL & PEDESTAL REINFORCEMENT PLAN
SCALE: 1/4" = 1'-0"

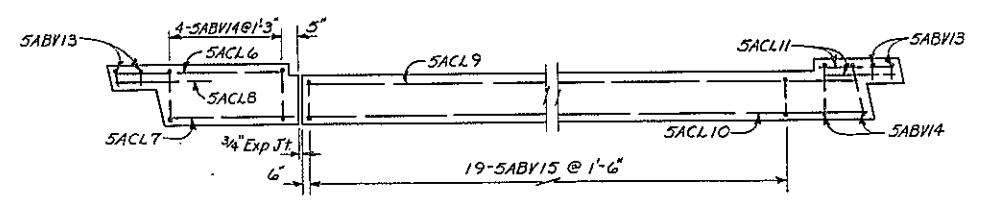
Notes:
Lap all bars 24 Dia. Minimum.
Bar cover shall be 2" unless otherwise noted.
For Keyway Details see Common Detail Sheet No. 2 of 6.
For Exp. Jt. Detail see Common Detail Sheet No. 1 of 6.



WINGWALL ELEVATION
SCALE: 1/4" = 1'-0"



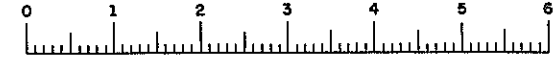
WINGWALL OVERLAY REINFORCEMENT PLAN
SCALE: 1/4" = 1'-0"



MALL OVERLAY REINFORCEMENT PLAN
SCALE: 3/8" = 1'-0"

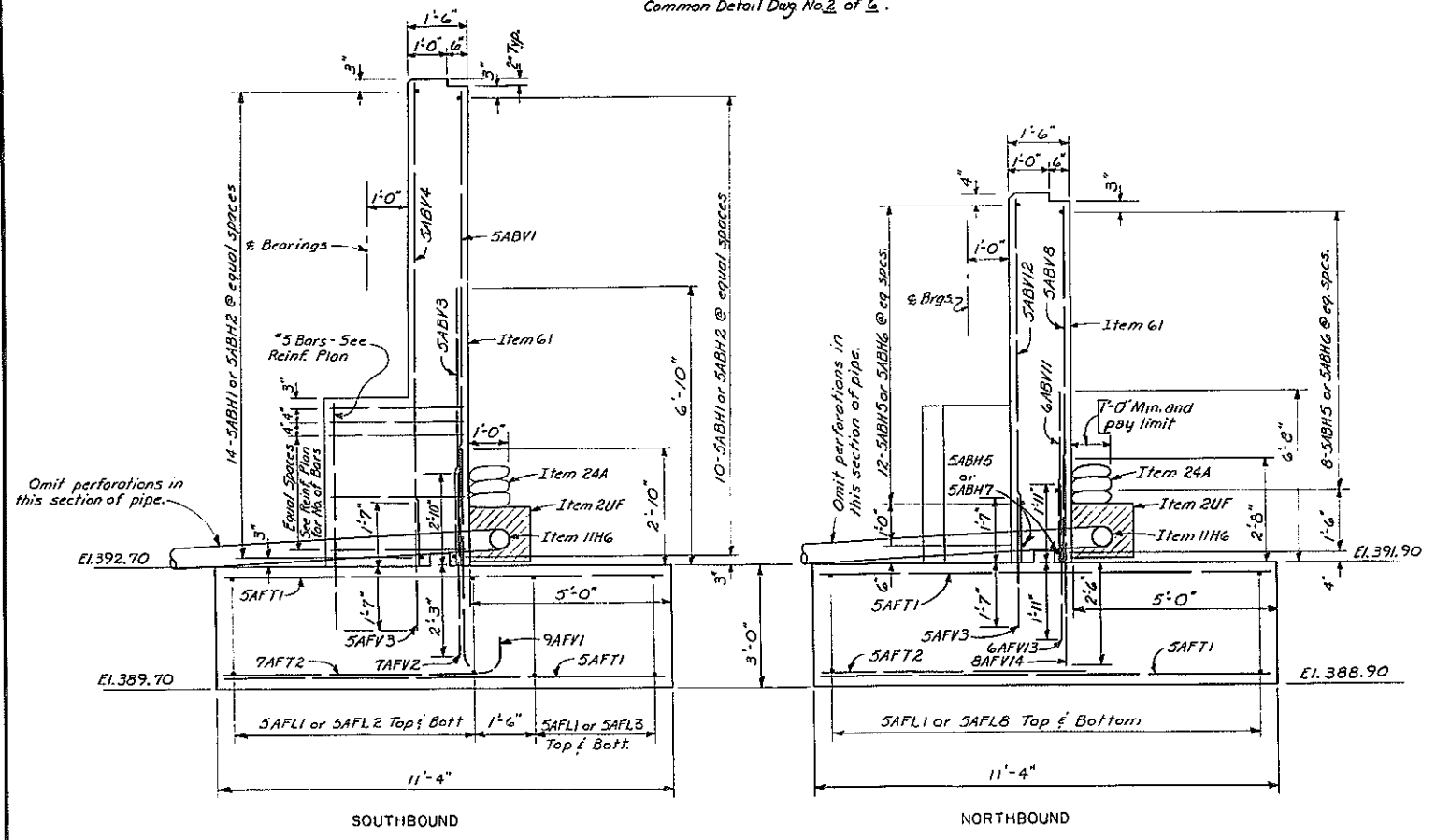
PROJECT ENGINEER: A. Karaluk
IN CHARGE OF: A. Karaluk
DESIGNED BY: A. Karaluk
DESIGN CHECKED BY: J. K. Robinson
DETAILED BY: J. K. Robinson
DETAIL CHECKED BY: J. K. Robinson

BRIDGE NO. 7
NEW S.H. OVER SOUTH BAY RD.
EUCLID - NORTH SYRACUSE
WEST ABUTMENT - WALL REINFORCEMENT
DRAWING NO. 7 OF 23

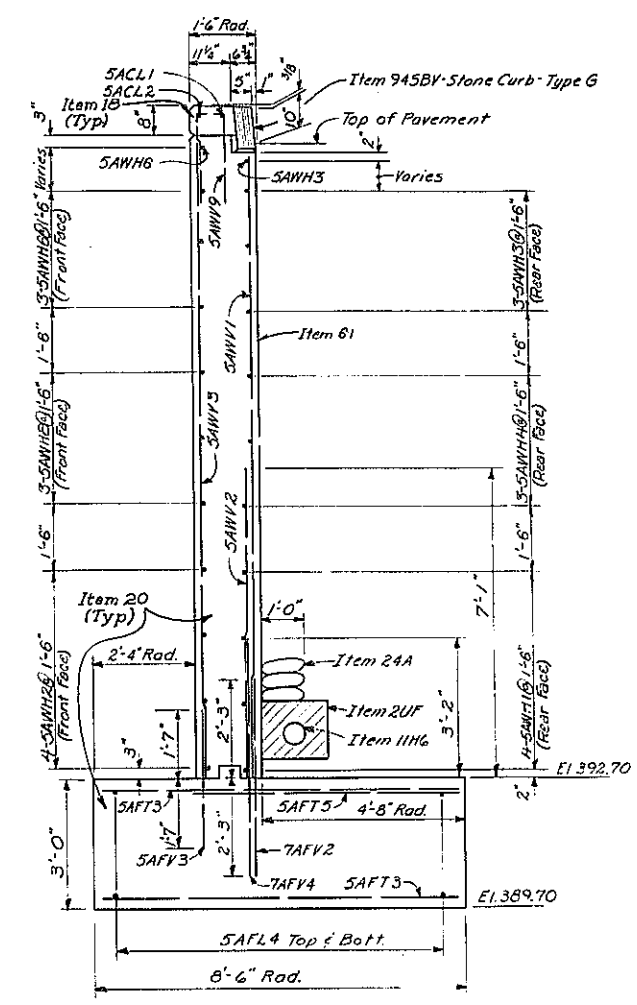


FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		242	257
EUCLID-NORTH SYRACUSE				

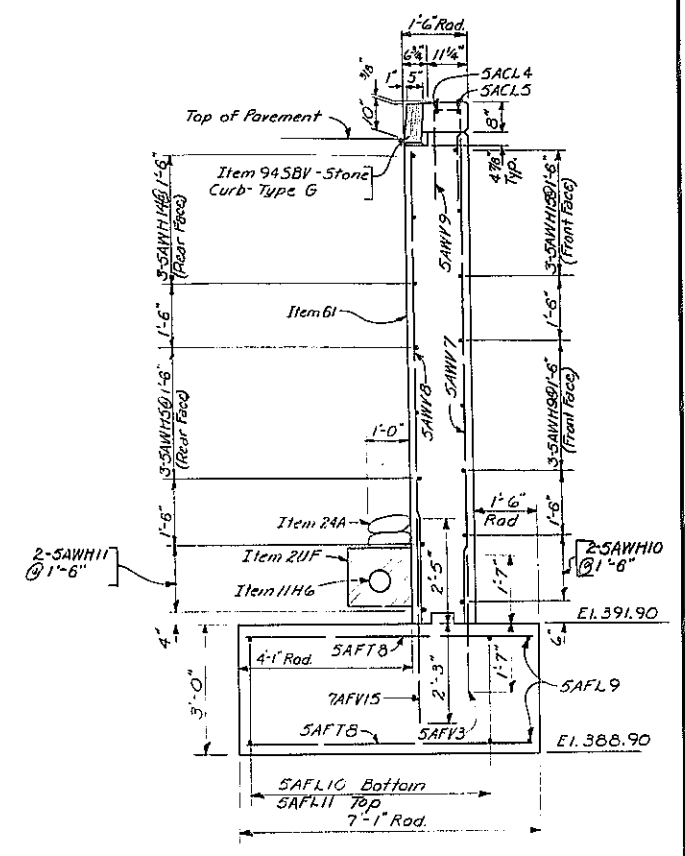
Note:
For End of Slab Detail see
Common Detail Dwg No. 2 of 6.



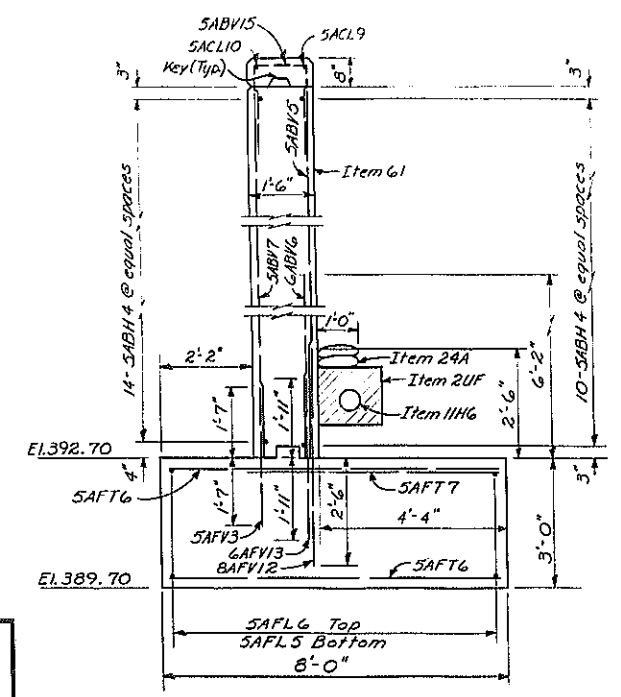
TYPICAL ABUTMENT SECTION
SCALE: 1/2" = 1'-0"



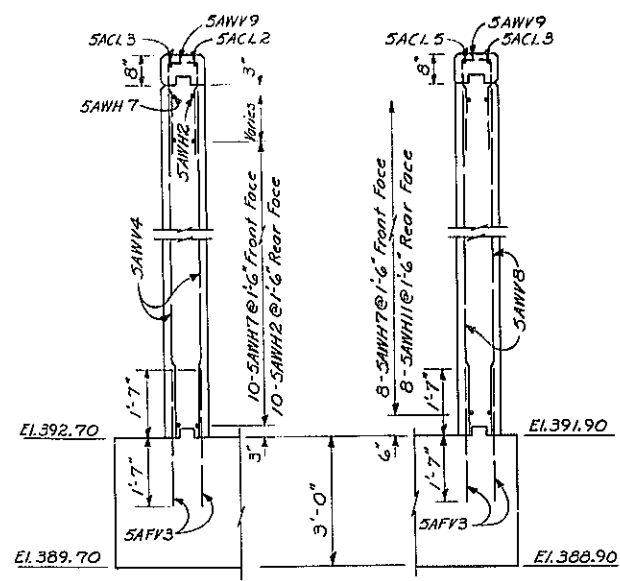
SECTION A-A
SCALE: 1/2" = 1'-0"



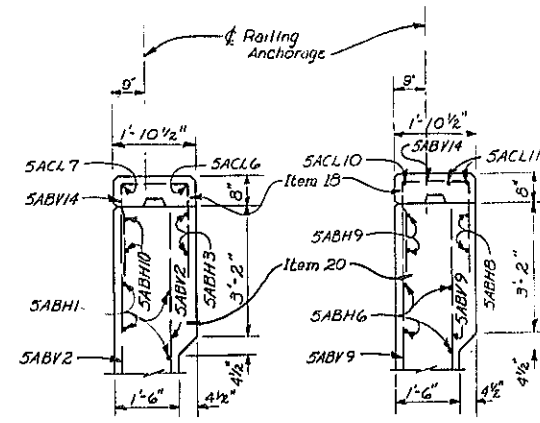
SECTION B-B
SCALE: 1/2" = 1'-0"



SECTION C-C
SCALE: 1/2" = 1'-0"



VIEW OF CURTAINWALL
SCALE: 1/2" = 1'-0"



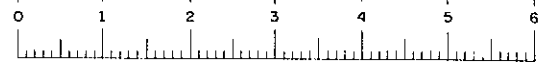
SECTION D-D
SCALE: 1/2" = 1'-0"

SECTION E-E
SCALE: 1/2" = 1'-0"

Notes:
Lap all bars 24 Dia. Minimum
Bar cover shall be 3" in Footing and 2" elsewhere,
unless otherwise noted.
For Keyway Details see Common Detail
Dwg No. 2 of 6.
For Wingwall Chamfer Detail see Common Detail
Dwg No. 3 of 6.
Item 2UF - Underdrain Filter - for Detail see
Common Detail Dwg. No. 3 of 6.
Item 24A - Bogged Screened Aggregate from
filter to subgrade of roadway at Abutment & Wings. From
filter to 1'-0" below final grade at Mall.
Item 11H6 - Perforated Corrugated Metal Pipe
Underdrain - 6" Dia.
Item 61 - Bituminous Material
For railing orientation see partial sections
Dwg. 13 of 23.

PROJECT ENGINEER *A. Korhik*
IN CHARGE OF *A. E. Agency*
DESIGNED BY *A. E. Agency*
DESIGN CHECKED BY *A. A. Kulkarni*
DETAILED BY *D. E. Mc. Crann*
DETAILS CHECKED BY *A. D. Sullivan*

BRIDGE NO. 7
NEW S.H. OVER SOUTH BAY RD.
EUCLID - NORTH SYRACUSE
WEST ABUTMENT - SECTIONS
DRAWING NO. 8 OF 23

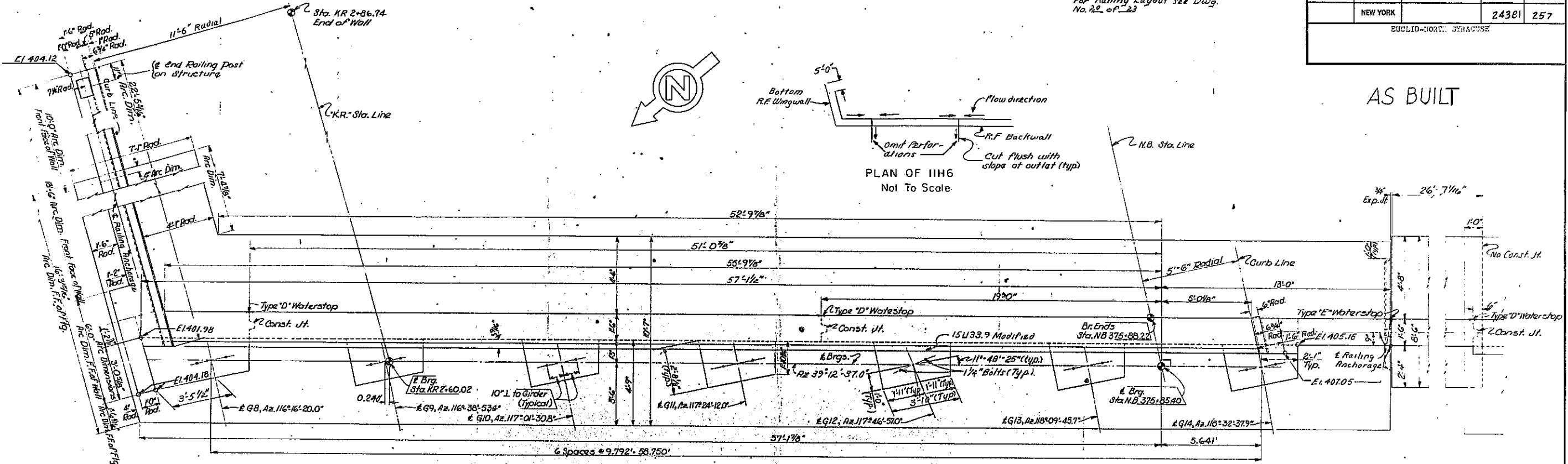


FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		24381	257

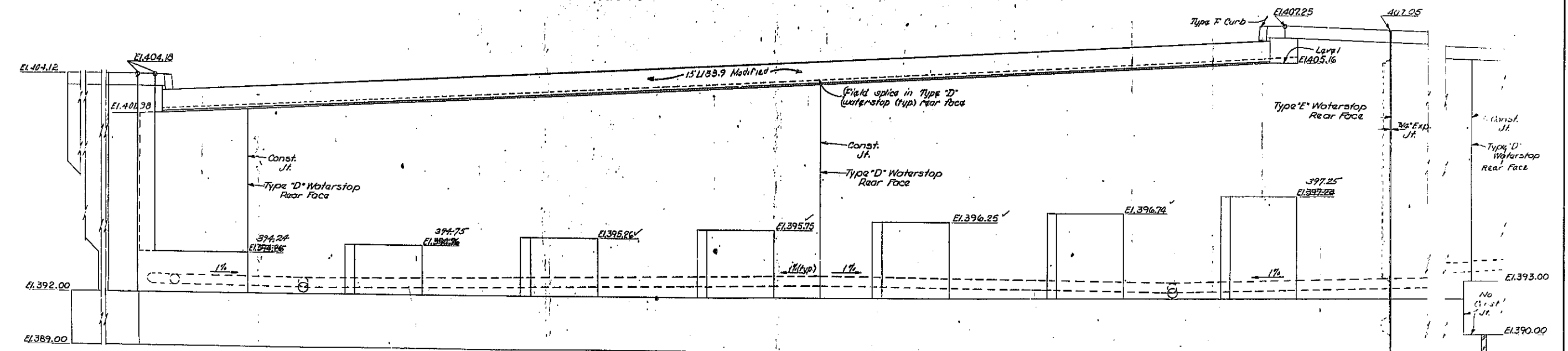
EUCLID-NORTH SYRACUSE

AS BUILT

Note:
For Railing Layout see Dwg.
No. 22 of 23



PARTIAL PLAN - EAST ABUTMENT
Scale: 3/8"=1'-0"



PARTIAL ELEVATION - EAST ABUTMENT
Scale: 3/8"=1'-0"

PROJECT ENGINEER *A. Karch*
 IN CHARGE OF *R.E. Jones*
 DESIGNED BY *J. W. H. [Signature]*
 DESIGN CHECKED BY *A. D. K. [Signature]*
 DETAILED BY *W. H. [Signature]*
 DETAIL CHECKED BY *W. H. [Signature]*

Note: See Dwg. No. 19 of 23 for details of drainage Trough and Downspout System anchorages in East Abutment Dockwall.

AS BUILT REVISION
Altered Br. Pedestal Elevations

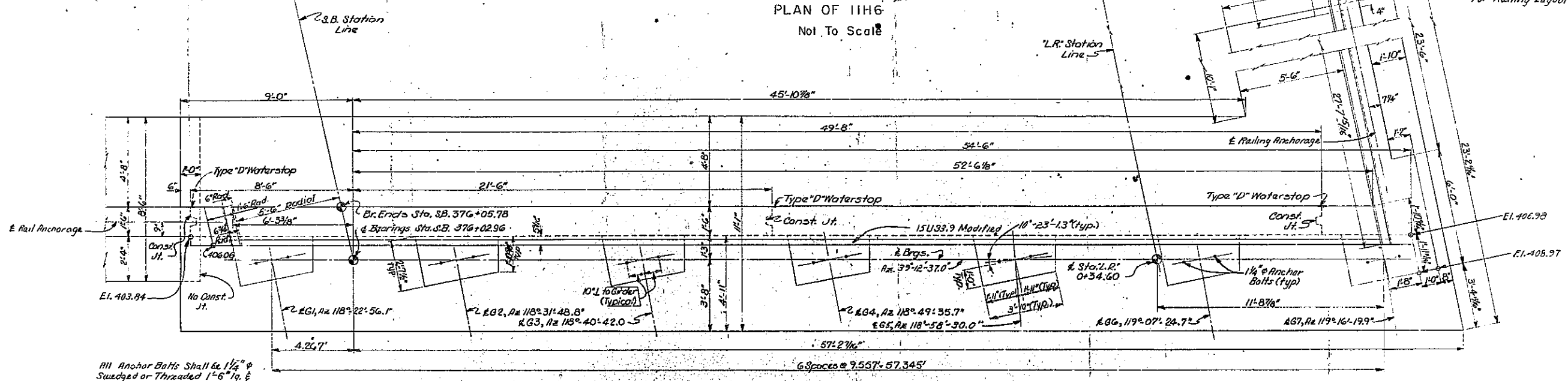
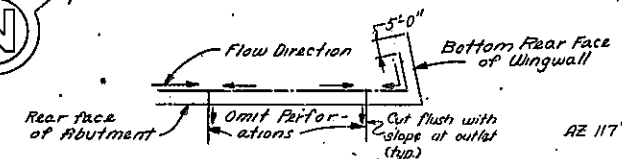
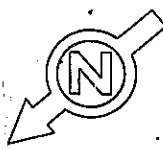
BRIDGE NO. 7
 NEW S.H. OVER SOUTH BAY RD.,
 EUCLID - NORTH SYRACUSE
 EAST ABUTMENT - PLAN & ELEVATION H.S.
 DRAWING NO. 4 OF

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		244E1	257

EUCLID-NORTH SYRACUSE

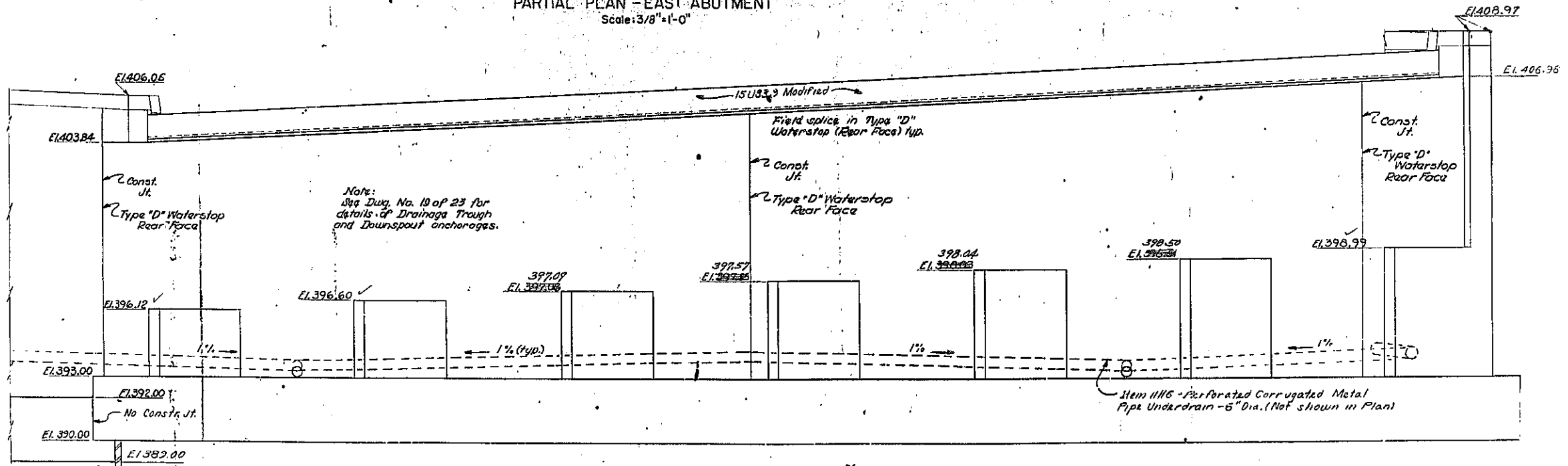
AS BUILT

Notes:
Wingwall Dimensions are on tangent Section of Roadway.
For Railing Layout See Det. 20 of 23



All Anchor Bolts Shall be 1 1/2" dia Suggested or Threaded 1-6" dia & Set 1'-0" in the Masonry

PARTIAL PLAN - EAST ABUTMENT
Scale: 3/8"=1'-0"

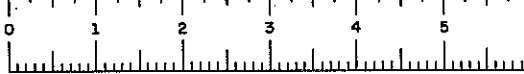


PARTIAL ELEVATION - EAST ABUTMENT
Scale: 3/8"=1'-0"

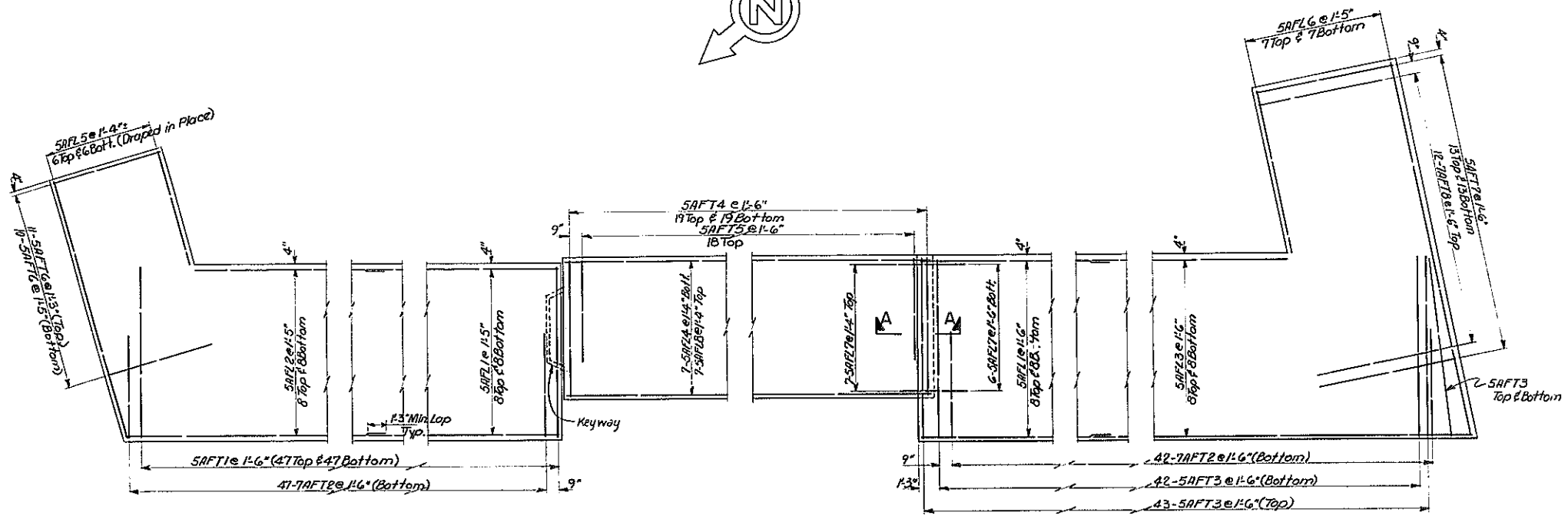
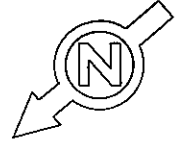
PROJECT ENGINEER *H. Karlik*
 IN CHARGE OF *W. E. Sherry*
 DESIGNED BY *W. E. Sherry*
 DESIGN CHECKED BY *A. R. Bohm*
 DETAILED BY *W. E. Sherry*
 DETAIL CHECKED BY *W. E. Sherry*

As Built Revision:
 Alter Br. Pedestal Elevations

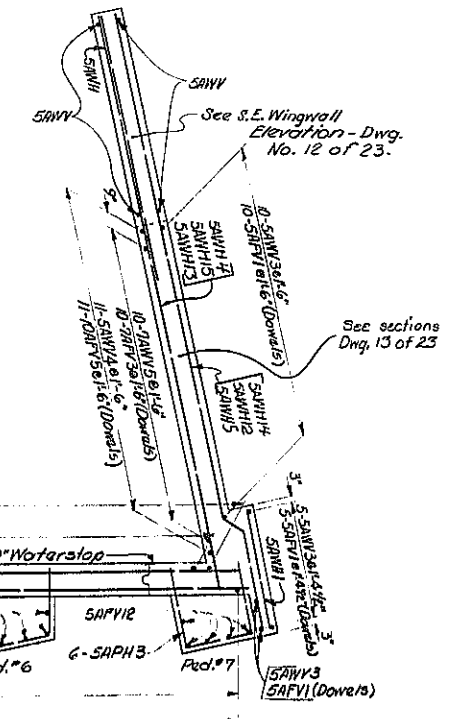
BRIDGE NO. 7
 NEW S.H. OVER SOUTH BAY RD.
 EUCLID - NORTH SYRACUSE
 EAST ABUTMENT - PLAN & ELEVATION: S.B.
 DRAWING NO. OF 25



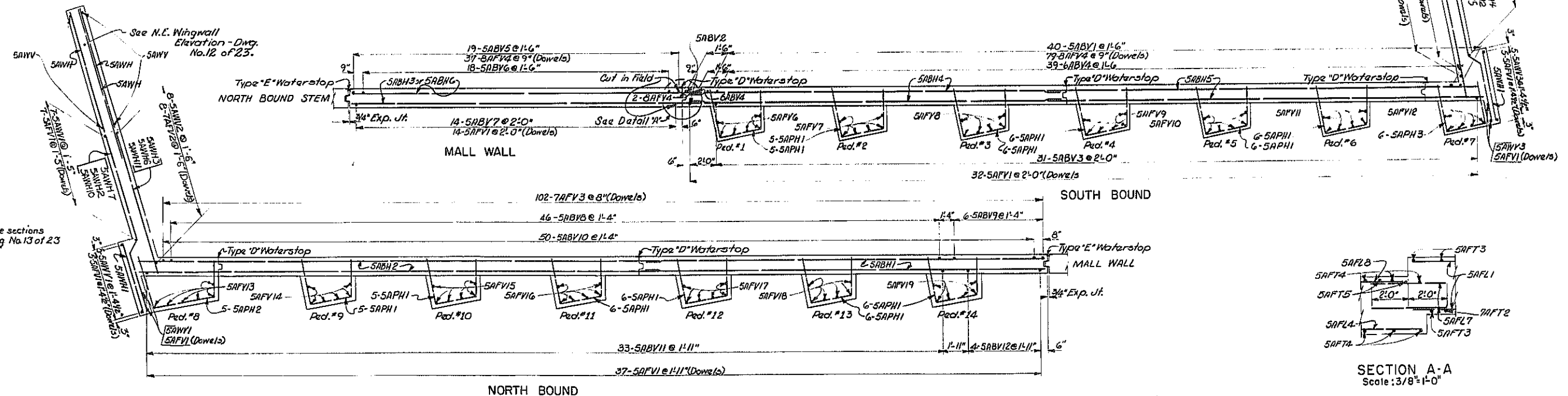
FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		245	257
EUCLID-NORTH SYRACUSE				



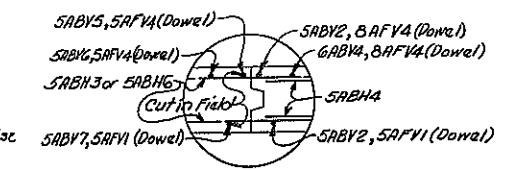
FOOTING REINFORCEMENT PLAN
Scale: 1/4"=1'-0"



SECTION A-A
Scale: 3/8"=1'-0"



BACKWALLS, WINGWALL, MALL WALL & PEDESTAL REINFORCEMENT PLANS
Scale: 1/4"=1'-0"

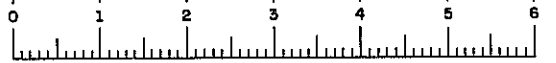


DETAIL "A"
Scale: 1/2"=1'-0"

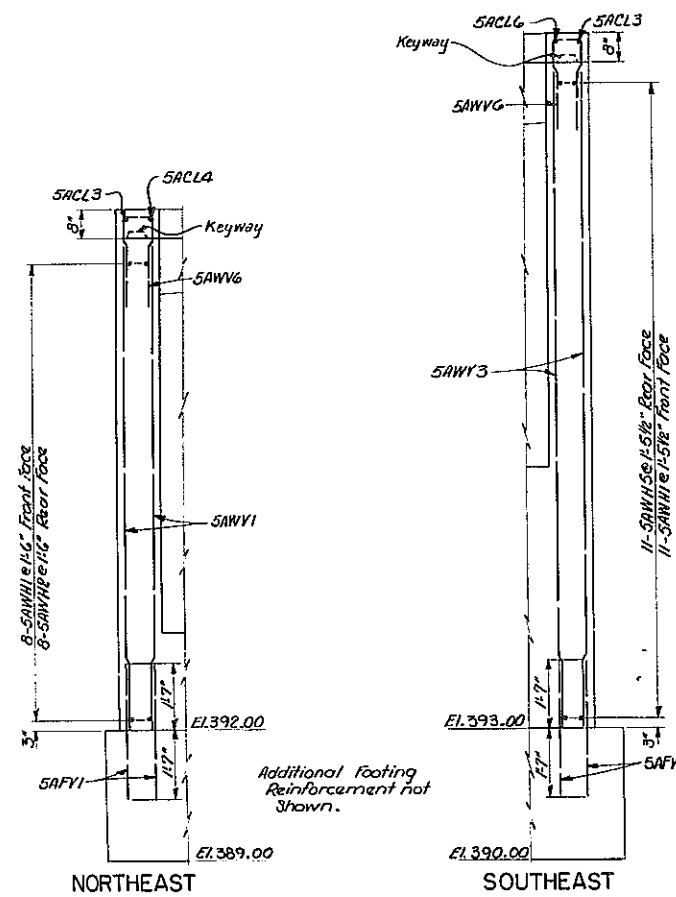
Minimum Cover on Reinforcement
Footings - 3"
All other - 2" unless otherwise noted.

PROJECT ENGINEER *A. Karabik*
 IN CHARGE OF *A. Karabik*
 DESIGNED BY *A. Karabik*
 DESIGN CHECKED BY *A. Karabik*
 DETAILED BY *A. Karabik*
 DETAIL CHECKED BY *A. Karabik*

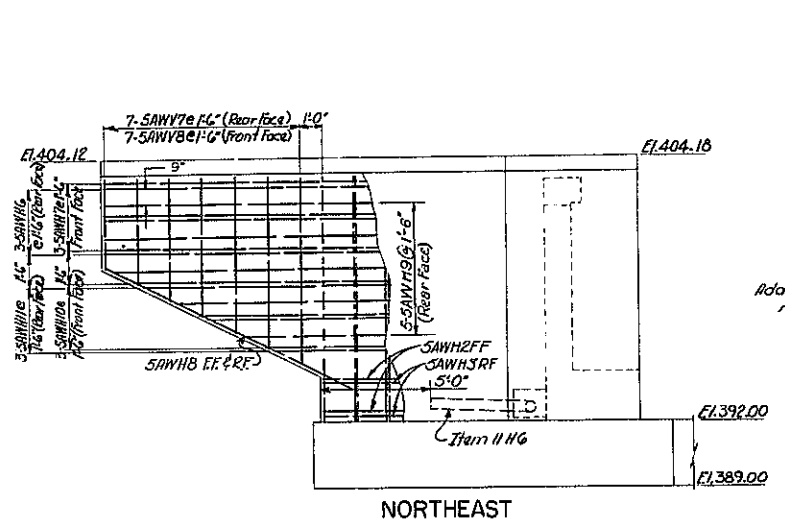
BRIDGE NO. 7
 OVER SOUTH BAY RD.
 EUCLID - NORTH SYRACUSE
 EAST ABUTMENT - REINFORCEMENT PLANS
 DRAWING NO. 11 OF 23



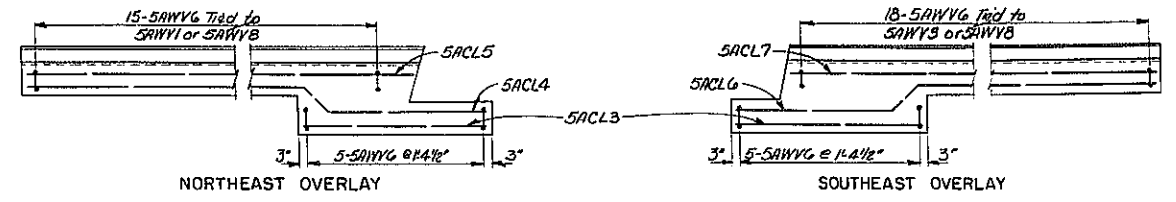
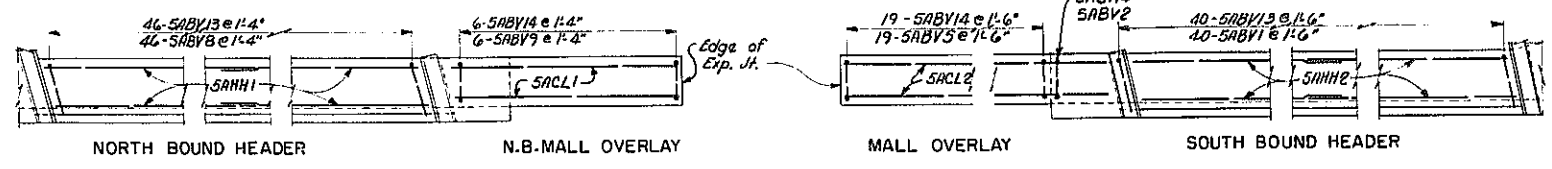
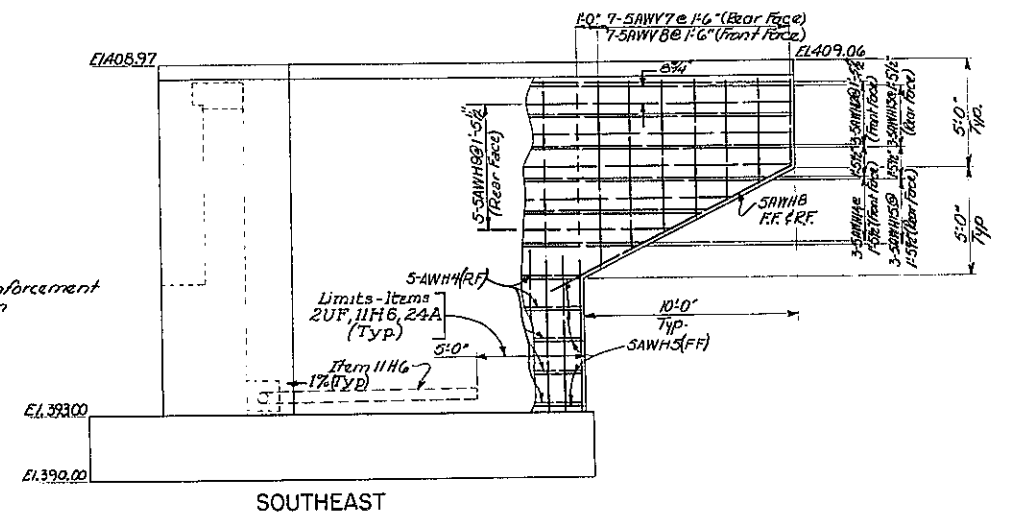
FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		246	257
EUCLID-NORTH SYRACUSE				



CURTAINWALL SECTIONS
Scale: 1/2"=1'-0"



WINGWALL ELEVATIONS & PARTIAL STEEL ELEVATIONS
Scale: 1/4"=1'-0"

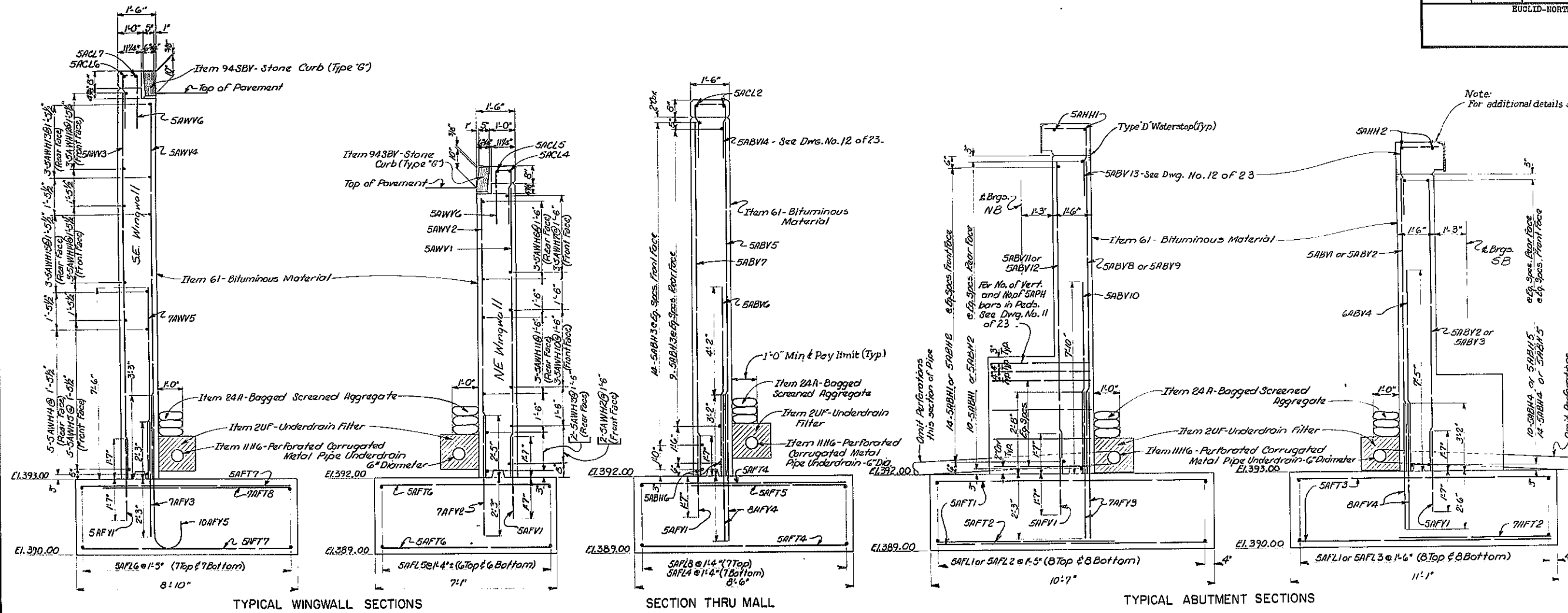
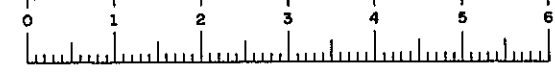


HEADER & OVERLAY REINFORCEMENT PLANS
Scale: 3/8"=1'-0"

PROJECT ENGINEER: *A. Karabek*
 IN CHARGE OF: *J. E. Shuman*
 DESIGNED BY: *W. F. Lacey*
 DESIGN CHECKED BY: *A. Karabek*
 DETAILED BY: *W. F. Lacey*
 CHECKED BY: *W. F. Lacey*

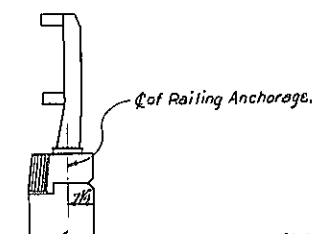
BRIDGE NO. 7
 NEW S.H. OVER SOUTH BAY RD.
 EUCLID - NORTH SYRACUSE
 EAST ABUTMENT - DETAILS
 DRAWING NO. 12 OF 23

FED. RD. DIST. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		247	257
EUCLID-NORTH SYRACUSE				

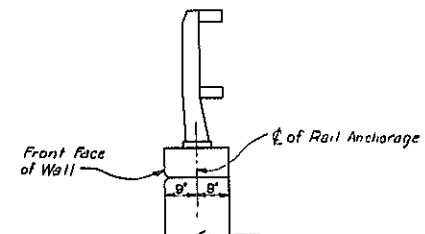


Note: For additional details see Dwg. No. 22 of 23.

Note: Refer to Dwg. No. 22 of 23 for additional information.



PARTIAL SECTION WINGWALLS
Scale: 1/2" = 1'-0"



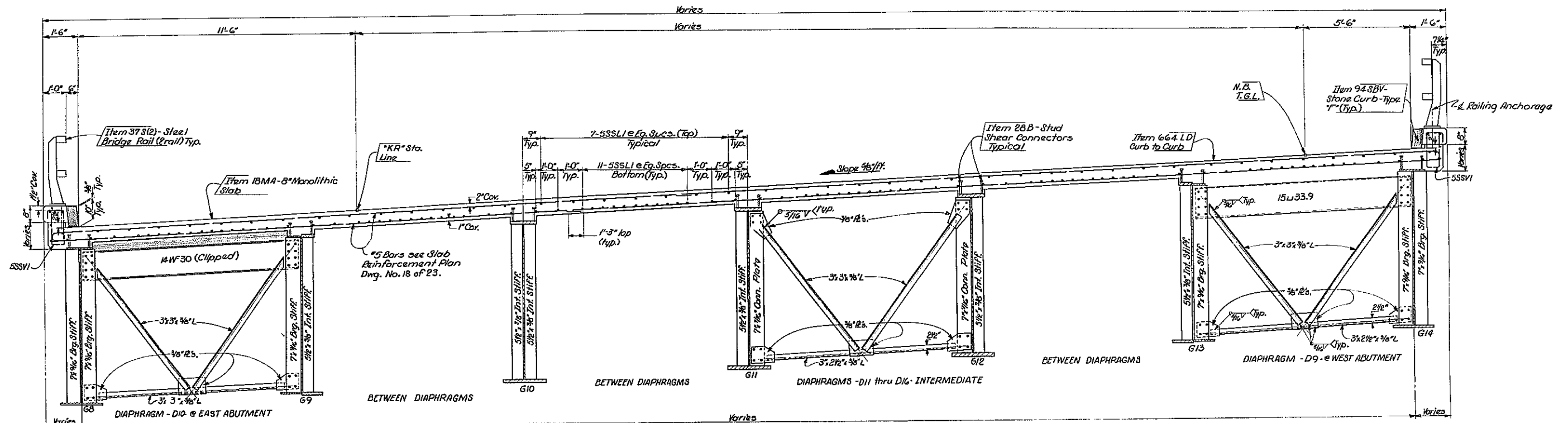
PARTIAL SECTION WINGWALLS
Scale: 1/2" = 1'-0"

Note: For details of railing anchorage see "Steel Bridge Railing - Two Rail" Detail Drawing.

PROJECT ENGINEER: *A. Karaluk*
 IN CHARGE OF: *A. Karaluk*
 DESIGNED BY: *A. Karaluk*
 DESIGN CHECKED BY: *A. Karaluk*
 DETAILED BY: *W.F. Lowry*
 DETAIL CHECKED BY: *A. Karaluk*

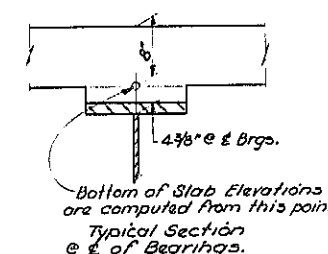
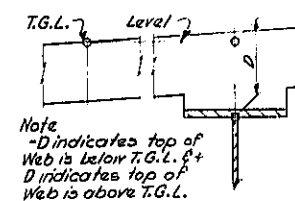
BRIDGE NO. 7
 NEW S.H. OVER SOUTH BAY RD.
 EUCLID - NORTH SYRACUSE
 EAST ABUTMENT - SECTIONS
 DRAWING NO. 13 OF 23

FED. RD. DIST. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		248	257
EUCLID-NORTH SYRACUSE				



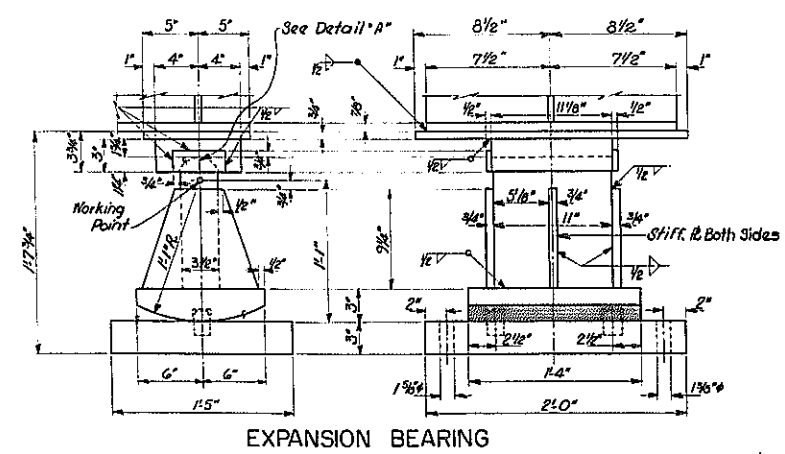
Notes:
 Where holes are indicated these connections shall be made with 7/8" rivets or high strength bolts. Holes and rivets or bolts may be omitted and welding substituted if contractor so elects, impurt of welding used shall be equivalent in strength to the rivets or bolts.
 For fascia Detail see Dwg. No. 15 of 23.

NORTH BOUND TRANSVERSE SECTION
 Scale: 1/2" = 1'-0"

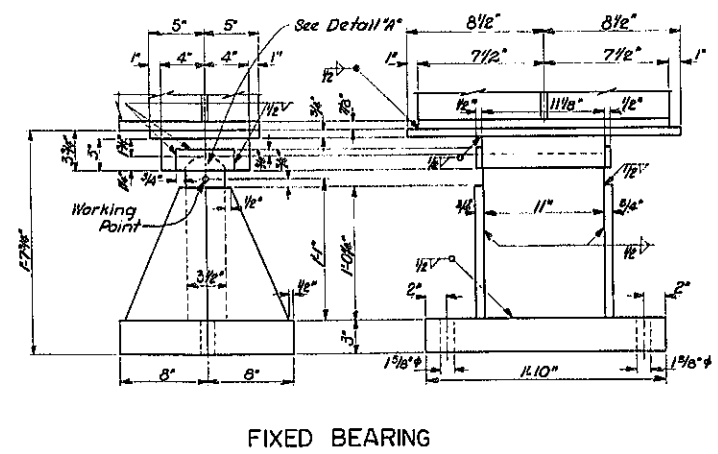


NORTH BOUND					
GIRDER	BOTTOM OF SLAB ELEVATION		D. DISTANCE		
	WEST	EAST	WEST	EAST	
G8	402.63	402.69	402.74	-3.438	-3.719
G9	403.08	403.16	403.24	-2.990	-3.223
G10	403.53	403.63	403.74	-2.542	-2.728
G11	403.98	404.10	404.23	-2.094	-2.233
G12	404.42	404.57	404.73	-1.646	-1.738
G13	404.87	405.04	405.22	-1.198	-1.242
G14	405.32	405.51	405.72	-0.750	-0.747

D is the distance in feet from the T.G.L. to the top of the web measured along the centerline of bearings.



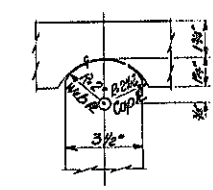
EXPANSION BEARING



FIXED BEARING

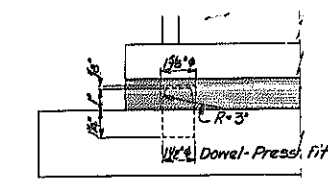
Scale: 1/2" = 1'-0"

HAUNCH DETAILS
 Not to Scale



DETAIL "A"

Scale: 3" = 1'-0"

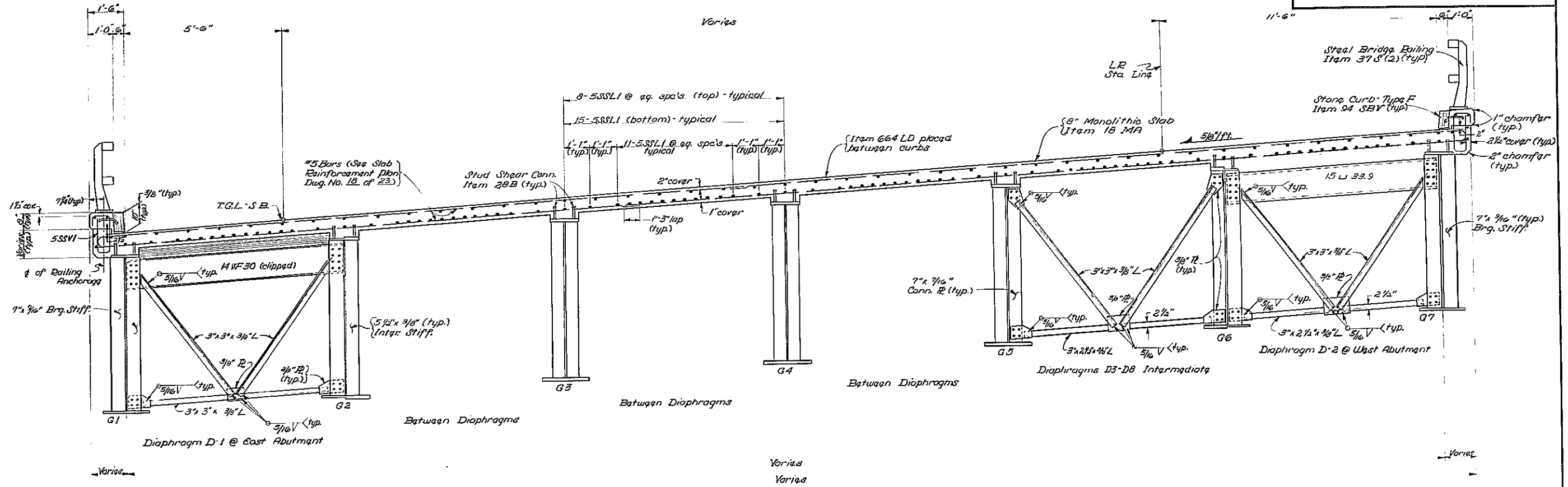


DETAIL OF DOWEL

PROJECT ENGINEER: *A. Kozak*
 IN CHARGE OF: *A. Kozak*
 DESIGNED BY: *A. Kozak*
 DESIGN CHECKED BY: *M. K. Brown*
 DETAILED BY: *Wm. F. Lawley*
 DETAIL CHECKED BY: *D. G. McGraw*

BRIDGE NO. 7
 NEW S.H. OVER SOUTH BAY RD.
 EUCLID - NORTH SYRACUSE
 TRANSVERSE SECTION N.B. & BEARINGS
 DRAWING NO. 4 OF 23

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		249	257
EUCLID-NORTH SYRACUSE				

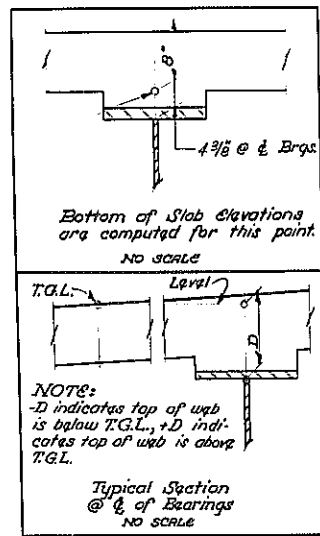


S. B. TRANSVERSE SECTION
SCALE: 1/2" = 1'-0"

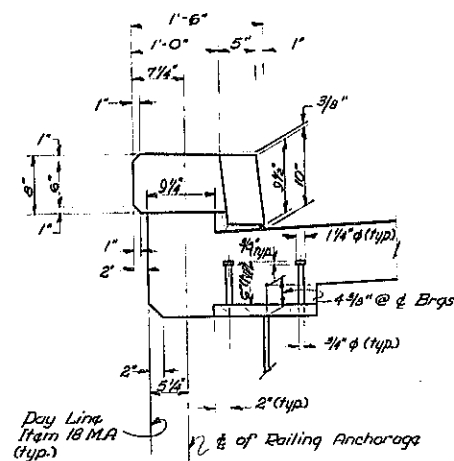
NOTE:
Where holes are indicated these connections shall be made with 7/8" rivets or high strength bolts. Holes and rivets or bolts may be omitted and welding substituted if contractor so elects. Amount of welding used shall be equivalent in strength to the rivets or bolts.

SOUTHBOUND					
GIRDER	BOTTOM OF SLAB ELEVATION			"D" DISTANCE	
	WEST & BRGS.	MID SPAN	EAST & BRGS.	WEST & BRGS.	EAST & BRGS.
G 1	403.97	404.26	404.59	-1.248	-1.248
G 2	404.43	404.73	405.07	-0.784	-0.769
G 3	404.90	405.21	405.55	-0.319	-0.290
G 4	405.36	405.68	406.03	+0.146	+0.189
G 5	405.83	406.15	406.51	+0.611	+0.668
G 6	406.29	406.62	406.99	+1.076	+1.147
G 7	406.76	407.09	407.47	+1.541	+1.626

"D" is the distance in feet from the T.G.L. to the top of the web measured along the centerline of Bearings.



HAUNCH DETAIL
NOT TO SCALE

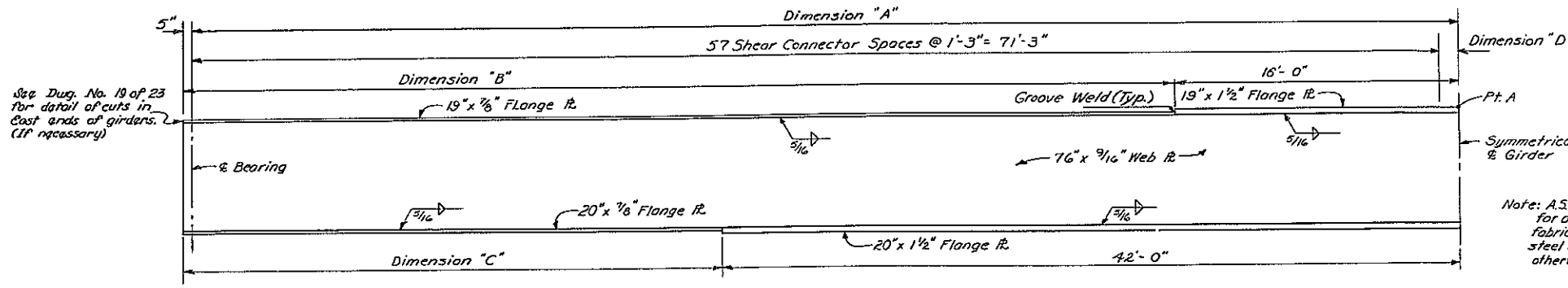


FASCIA DETAIL
NOT TO SCALE

PROJECT ENGINEER: A. Karshok
 IN CHARGE OF: [Signature]
 DESIGNED BY: [Signature]
 DESIGN CHECKED BY: [Signature]
 DETAILED BY: [Signature]
 DETAIL CHECKED BY: [Signature]

BRIDGE NO. 7
 NEW S.H. OVER SOUTH BAY RD.
 EUCLID - NORTH SYRACUSE
 TRANSVERSE SECTION S.B.
 DRAWING NO. 15 OF 23

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		250	257
EUCLID-NORTH SYRACUSE				



Note: For Section of Brg. Stiff. and Section of Conn. R. & Int. Stiff. see Dwg. No. 17 of 23.

Note: A.S.T.M. A441 Steel shall be used for all web and Flange R.'s in the fabrication of the girders. All other steel shall be A.S.T.M. A36, unless otherwise noted.

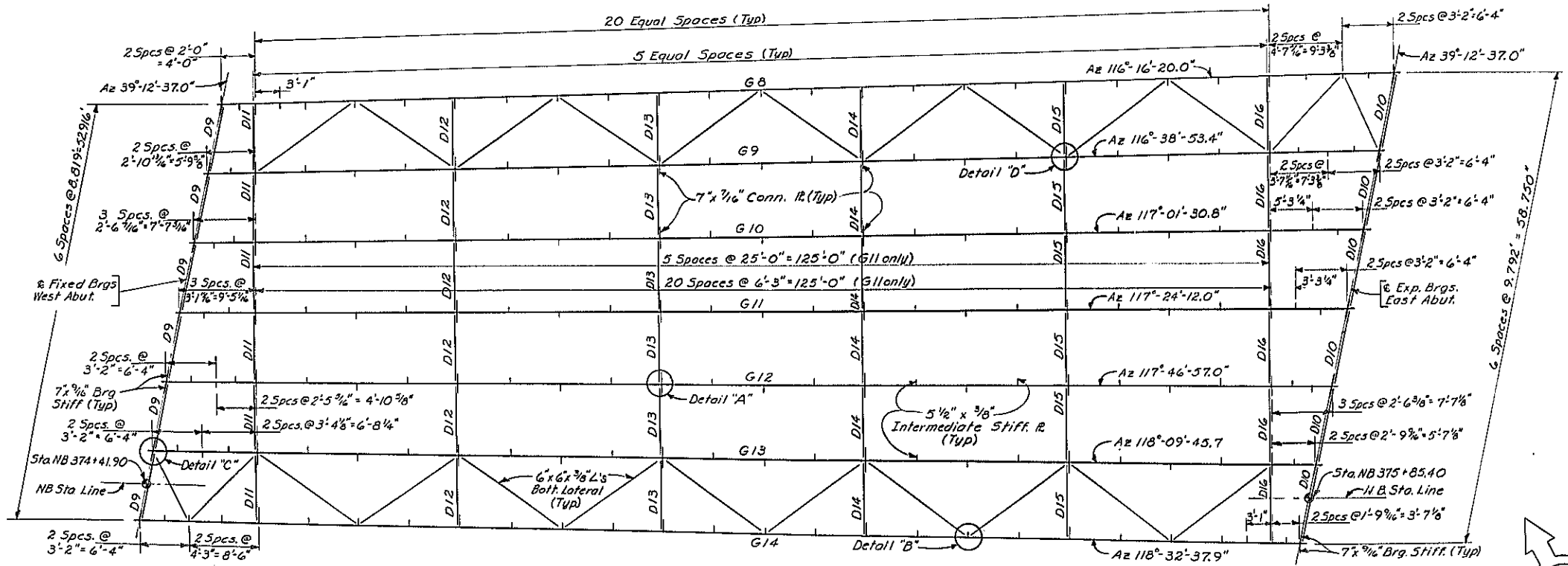
TYPICAL GIRDER
Scale: 1/4" = 1'-0"

GIRDER	DIMENSIONS			
	"A"	"B"	"C"	"D"
G8	72'-3 3/8"	56'-8 3/8"	30'-3 7/8"	1'-0 3/8" *
G9	72'-2 3/8"	56'-7 3/8"	30'-7 3/8"	11 3/8" *
G10	72'-1 3/8"	56'-6 3/8"	30'-6 3/8"	10 3/8" *
G11	72'-0 1/8"	56'-5 1/8"	30'-5 1/8"	9 1/8" *
G12	71'-10 3/8"	56'-3 3/8"	30'-3 3/8"	7 3/8" *
G13	71'-9 3/8"	56'-2 3/8"	30'-2 3/8"	6 3/8" *
G14	71'-8 3/8"	56'-1 3/8"	30'-1 3/8"	5 3/8" *

* Place Studs at Pt. A

DIAPHRAGM SCHEDULE		
MARK	SECTION	NUMBER
D9	15U33.9, K Frame	6
D10	14W30, K Frame	6
D11	K Frame	6
D12	K Frame	6
D13	K Frame	6
D14	K Frame	6
D15	K Frame	6
D16	K Frame	6

CAMBER SCHEDULE					
GIRDER	STEEL	SLAB B S D L	TOTAL DL	VC CORRECTION	TOTAL CAMBER
Fascia	1 3/8"	2 3/8"	4 1/8"	1 3/8"	4 7/8"
Inferior	1 1/8"	4 1/4"	5 7/16"	1 3/8"	6 1/2"



FRAMING AND STIFFENER PLAN
Scale: 1/8" = 1'-0"

Notes:
For details of Diaphragms see Dwg. No. 12 of 23.
All Diaphragms are perpendicular to G11.
For Details "A", "B", "C" & "D" see Dwg. No. 12 of 23.

PROJECT ENGINEER: [Signature]
IN CHARGE OF: [Signature]
DESIGNED BY: [Signature]
DESIGN CHECKED BY: [Signature]
DETAILED BY: [Signature]
DETAIL CHECKED BY: [Signature]

BRIDGE NO. 7
NEW S.H. OVER SOUTH BAY RD.
EUCLID - NORTH SYRACUSE

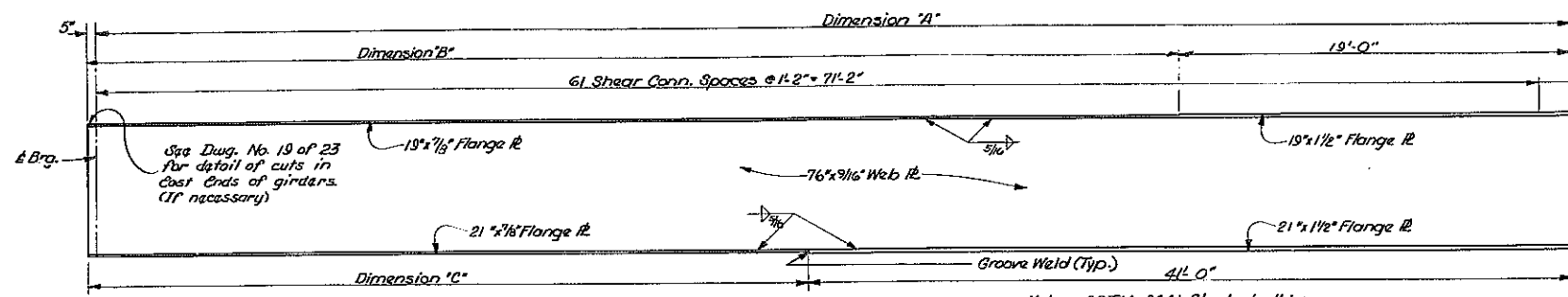
FRAMING PLAN & GIRDER DETAILS N.B.
DRAWING NO. 16 OF 23



SH 69-5 RC 69-102

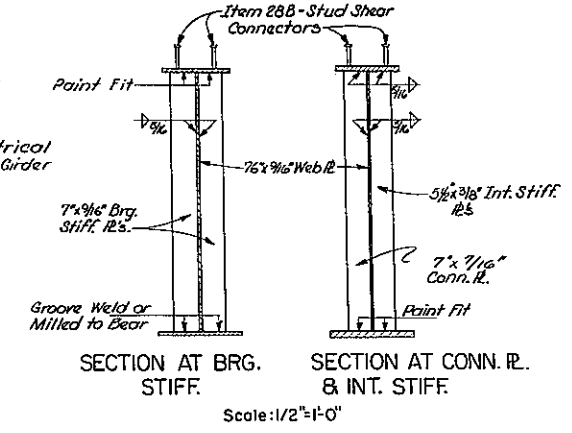
FED. RD. PROJ. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		251	257

EUCLID-NORTH SYRACUSE



TYPICAL GIRDER
Scale: 1/4"=1'-0"

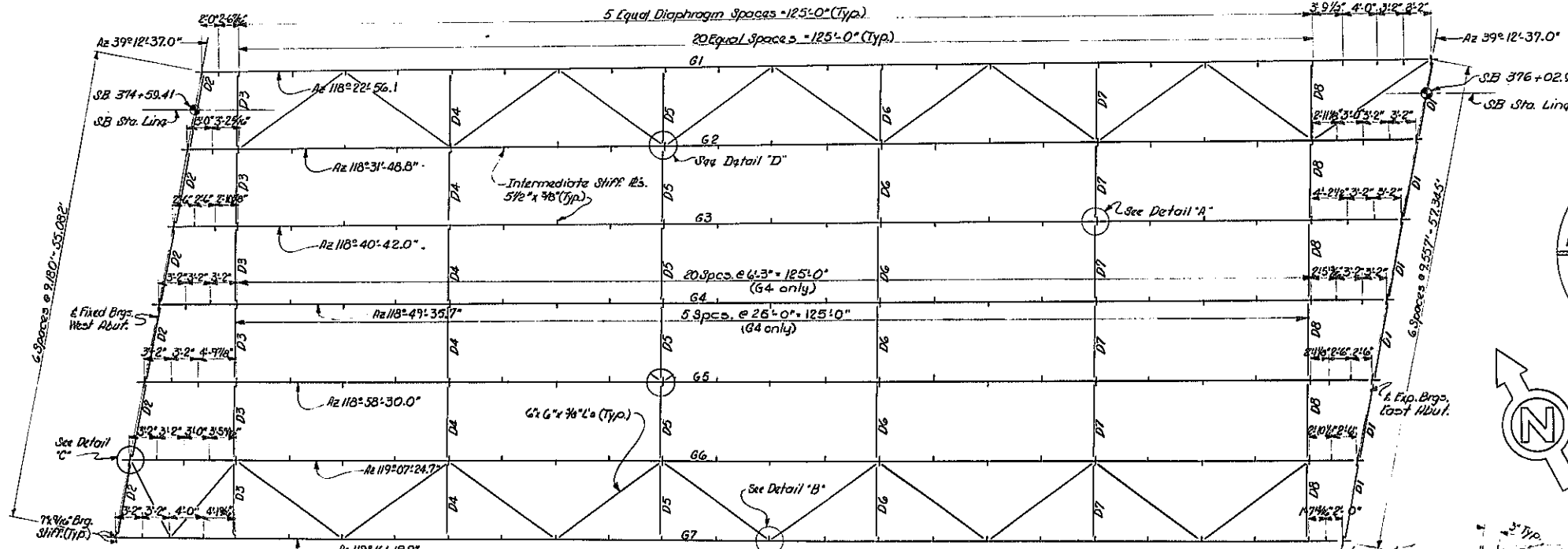
Notes: A.S.T.M. A441 Steel shall be used for all web and flange I.S. in the fabrication of the girders. All other steel shall be A.S.T.M. A36, unless otherwise noted.



SECTION AT BRG. STIFF. SECTION AT CONN. R. & INT. STIFF.
Scale: 1/2"=1'-0"

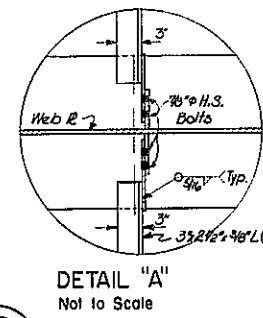
GIRDER	DIMENSIONS			
	A	B	C	D
G1	71'-9 3/8"	53'-2 1/8"	31'-2 1/8"	7 1/8" *
G2	71'-8 3/4"	53'-1 3/4"	31'-1 3/4"	6 3/4" *
G3	71'-8 9/16"	53'-1 9/16"	31'-1 9/16"	6 3/16" *
G4	71'-7 7/8"	53'-0 7/8"	31'-0 7/8"	5 7/8" *
G5	71'-7 1/2"	53'-0 1/2"	31'-0 1/2"	5 1/2" *
G6	71'-7 1/8"	53'-0 1/8"	31'-0 1/8"	5 1/8" *
G7	71'-6 3/4"	52'-11 1/4"	30'-11 1/4"	4 3/4" *

* Place studs at point 'A'.

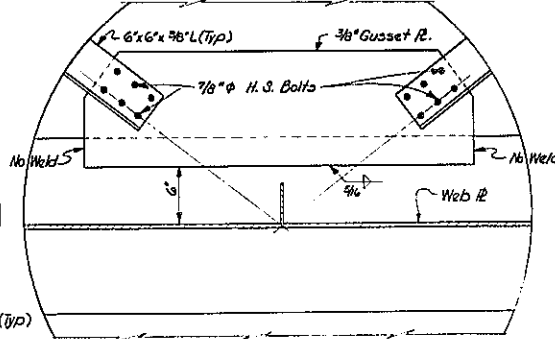


FRAMING AND STIFFENER PLAN
Scale: 1/8"=1'-0"

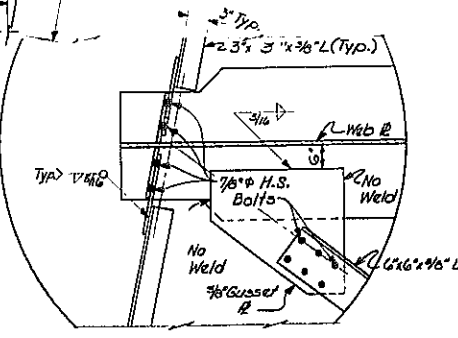
Notes: For details of Diaphragms see Dwg. No. 15 of 23. All Diaphragms are perpendicular to G4.



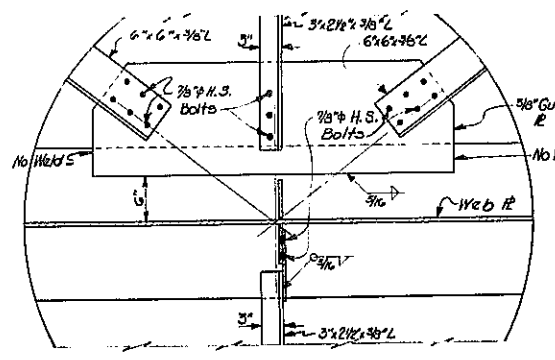
DETAIL "A"
Not to Scale



DETAIL "B"
Not to Scale



DETAIL "C"
Not to Scale



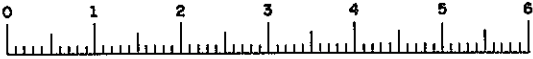
DETAIL "D"
Not to Scale

MARK	SECTION	NUMBER
D1	MW 30, K Frame	6
D2	ISU 33.9, K Frame	6
D3	K Frame	6
D4	K Frame	6
D5	K Frame	6
D6	K Frame	6
D7	K Frame	6
D8	K Frame	6

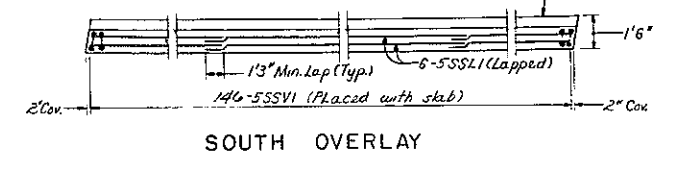
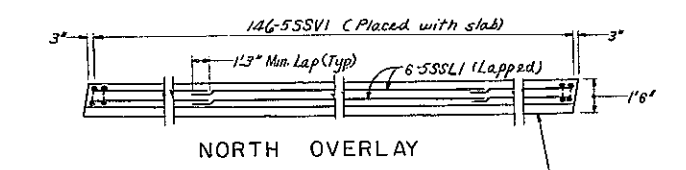
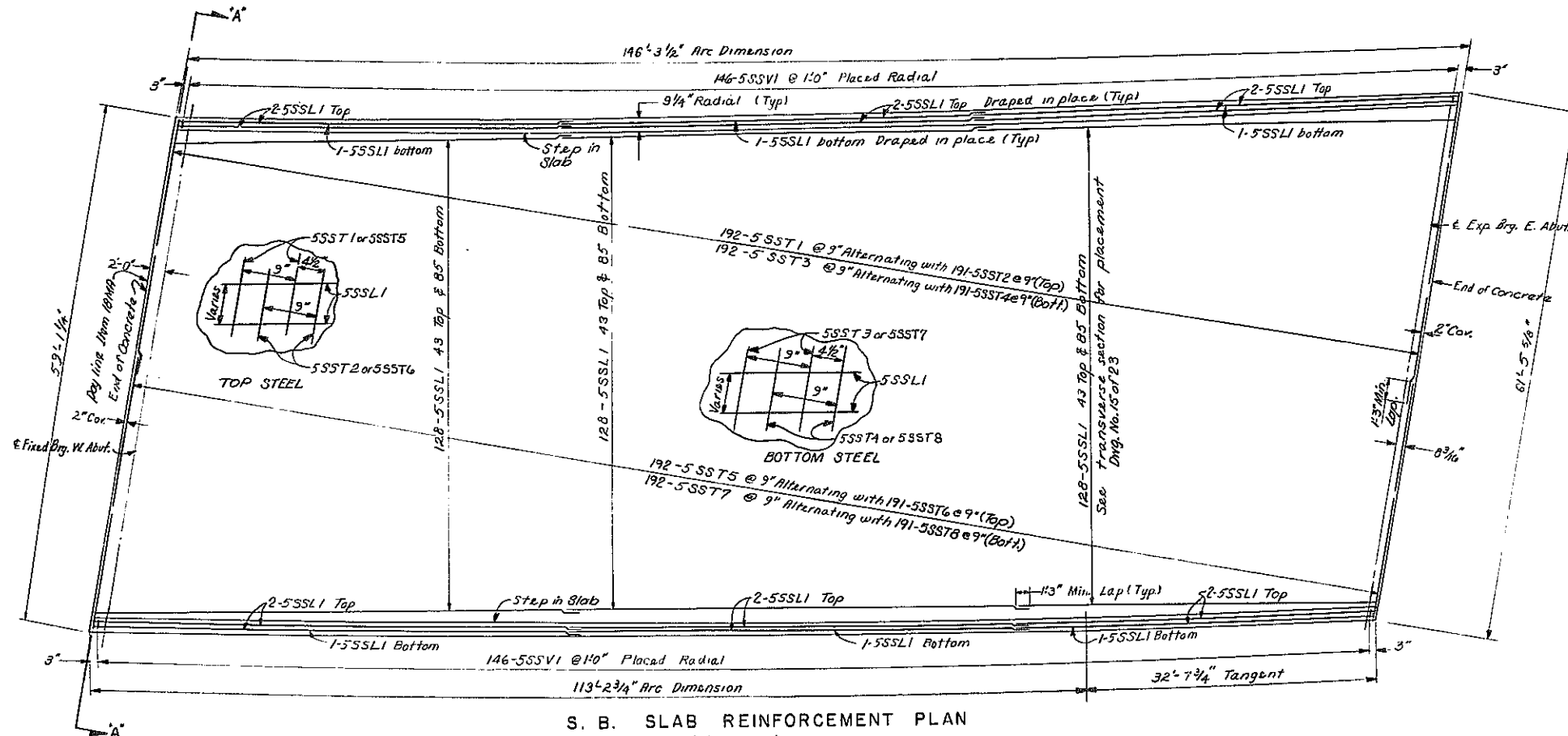
GIRDER	STEEL SLAB & S.D.L.	TOTAL O.L.	V.C. CORRECTION	TOTAL CAMBER
Road	1 3/16" 2 7/8"	4 1/8"	4/8"	4 7/16"
Interior	1 3/16" 4 1/4"	5 1/8"	4/8"	6 1/16"

PROJECT ENGINEER: H. Korb
 IN CHARGE OF: J. E. Sherry
 DESIGNED BY: J. E. Sherry
 DESIGN CHECKED BY: J. E. Sherry
 DETAILED BY: M. E. Sherry
 DETAIL CHECKED BY: J. E. Sherry

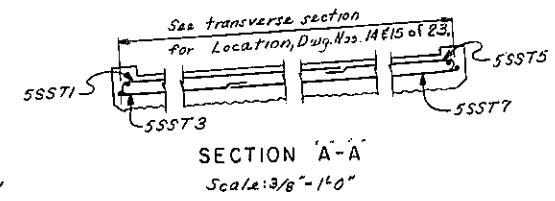
BRIDGE NO. 7
 NEW S.H. OVER SOUTH BAY RD.
 EUCLID - NORTH SYRACUSE
 FRAMING PLAN & GIRDER DETAILS S.B.
 DRAWING NO. 17 OF 23



FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		252	257
EUCLID-NORTH SYRACUSE				

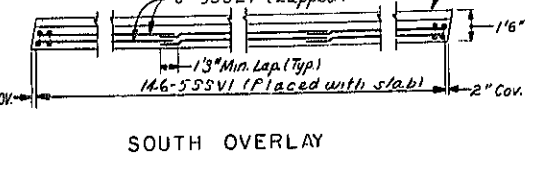
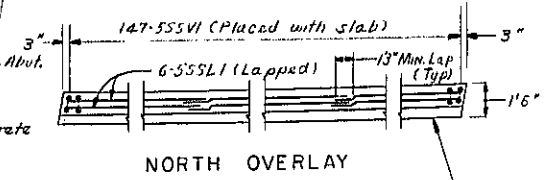
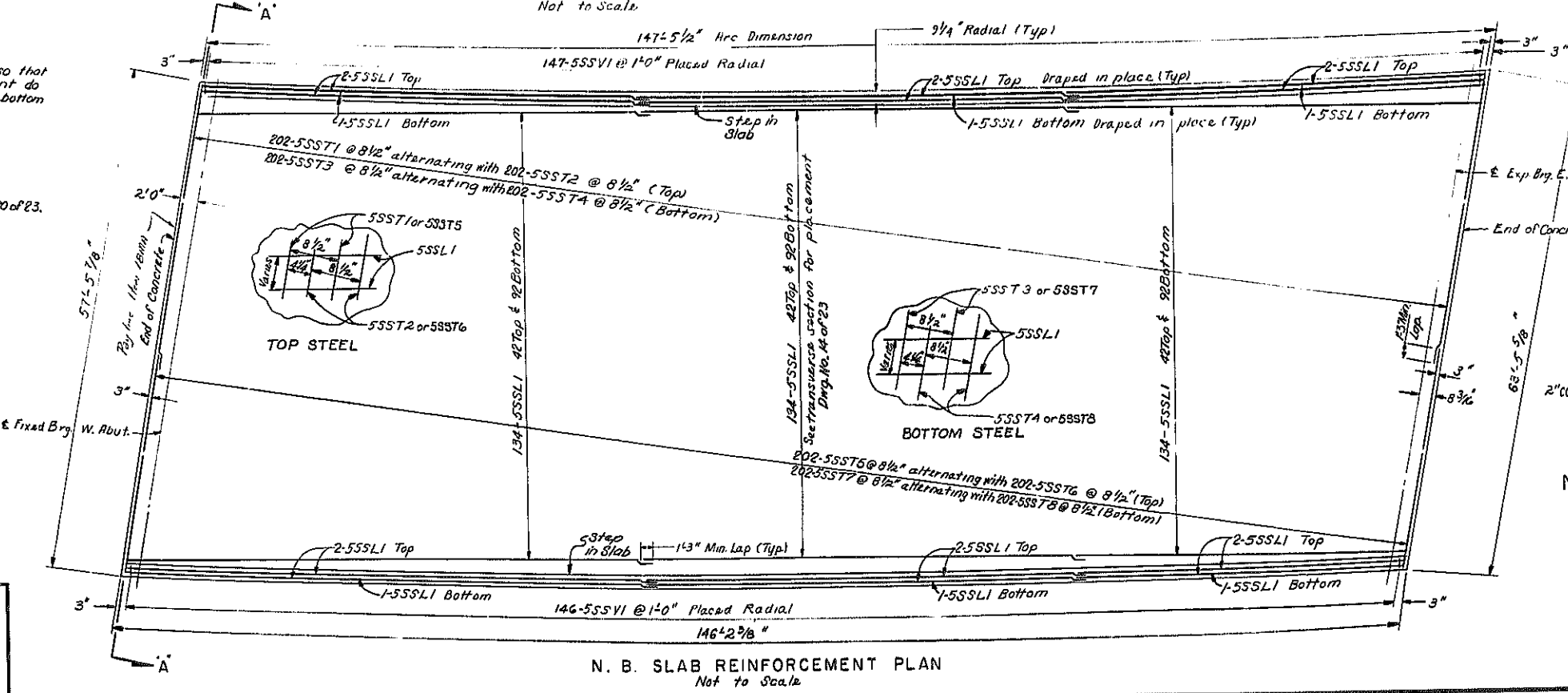


S. B. OVERLAY REINFORCEMENT PLAN
Scale: 1/4" = 1'-0"



NOTE:
Bars shall be staggered so that splices in top reinforcement do not occur over splices in bottom reinforcement.

For Railing Layout see Dwg. No. 20 of 23.



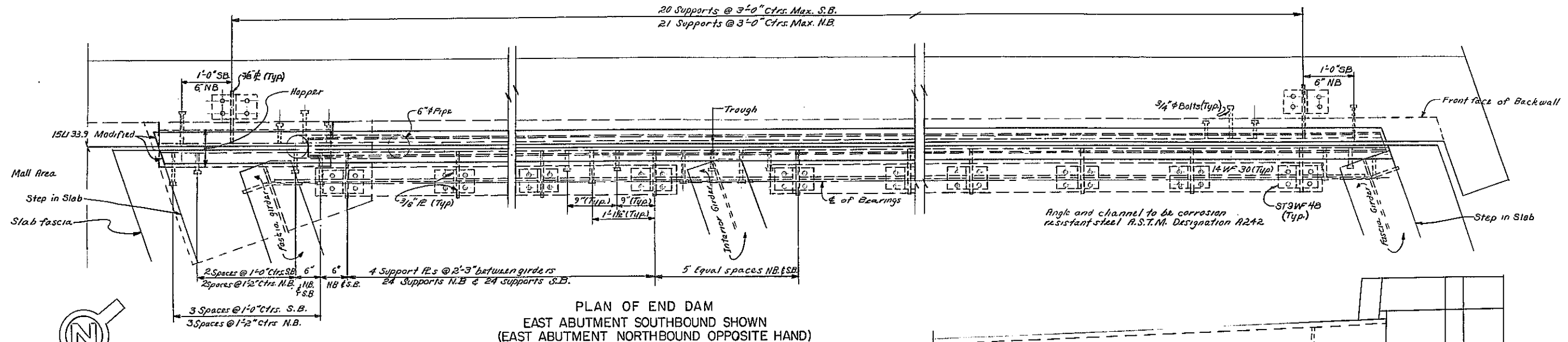
N. B. OVERLAY REINFORCEMENT PLAN
Scale: 1/4" = 1'-0"

PROJECT ENGINEER: *A. Karabik*
IN CHARGE OF: *J.P. Chagny*
DESIGNED BY: *W. LaBran*
DESIGN CHECKED BY: *A.K. Lobo*
DETAILED BY: *A. Karabik*
DETAIL CHECKED BY: *J.P. Chagny*

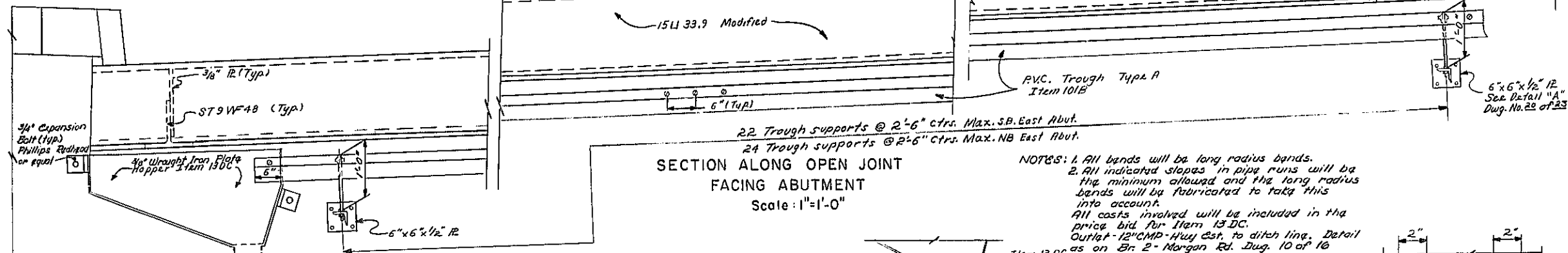
BRIDGE NO. 7
NEW S.H. OVER SOUTH BAY RD.
EUCLID - NORTH SYRACUSE
SLAB PLAN N.B. & S.B.
DRAWING NO. 18 OF 23

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		253	257
EUCLID-NORTH SYRACUSE				

Note:
Curb and overlay not shown in this plan
Top end of girders to be cut to accommodate end dam

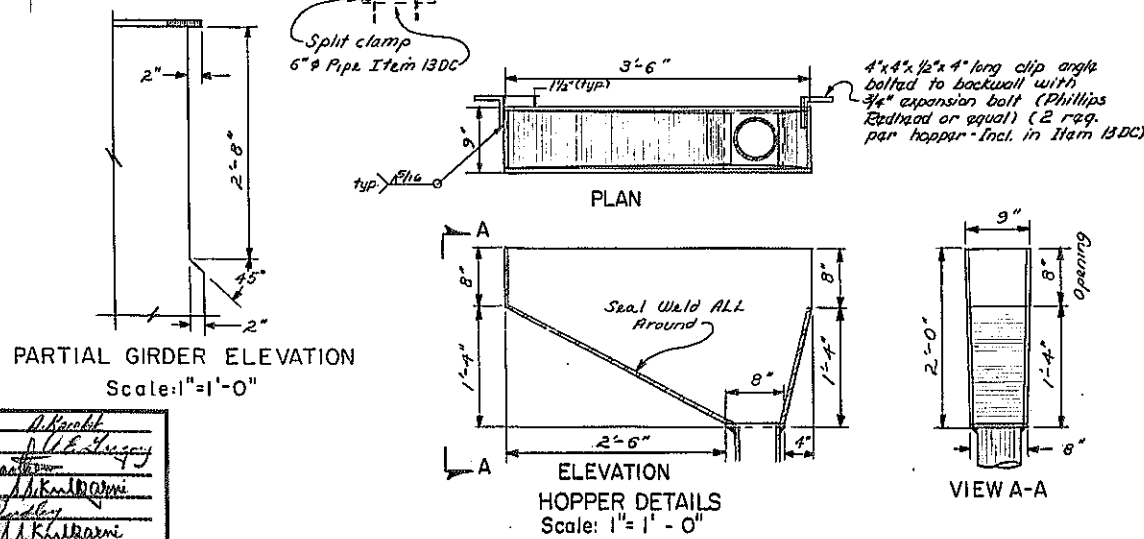


PLAN OF END DAM
EAST ABUTMENT SOUTHBOUND SHOWN
(EAST ABUTMENT NORTHBOUND OPPOSITE HAND)
Scale: 1" = 1'-0"



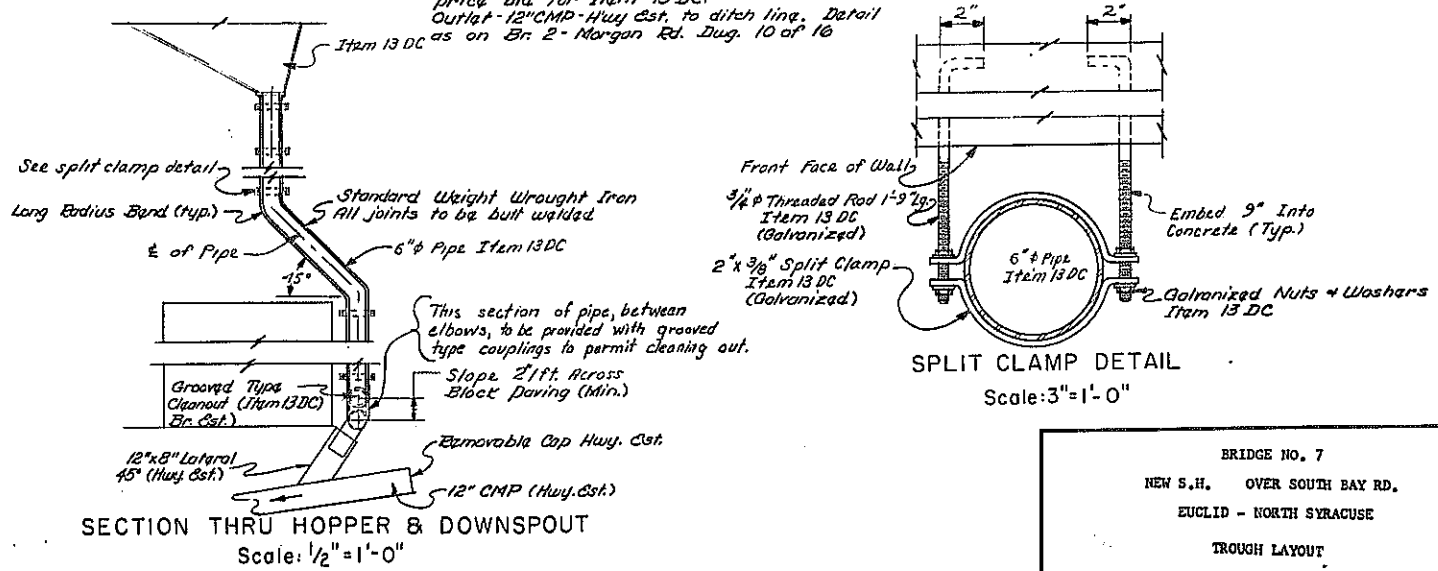
SECTION ALONG OPEN JOINT
FACING ABUTMENT
Scale: 1" = 1'-0"

NOTES: 1. All bands will be long radius bands.
2. All indicated slopes in pipe runs will be the minimum allowed and the long radius bands will be fabricated to take this into account.
All costs involved will be included in the price bid for Item 13 DC.
Outlet - 12" CMP - Hwy Est. to ditch line. Detail as on Br. 2 - Morgan Rd. Dug. 10 of 16



PARTIAL GIRDER ELEVATION
Scale: 1" = 1'-0"

HOPPER DETAILS
Scale: 1" = 1'-0"



SECTION THRU HOPPER & DOWNSPOUT
Scale: 1/2" = 1'-0"

SPLIT CLAMP DETAIL
Scale: 3" = 1'-0"

PROJECT ENGINEER: A. Karab...
IN CHARGE OF: A. Karab...
DESIGNED BY: W. Karab...
DESIGN CHECKED BY: A. Karab...
DETAILED BY: A. Karab...
DETAIL CHECKED BY: A. Karab...

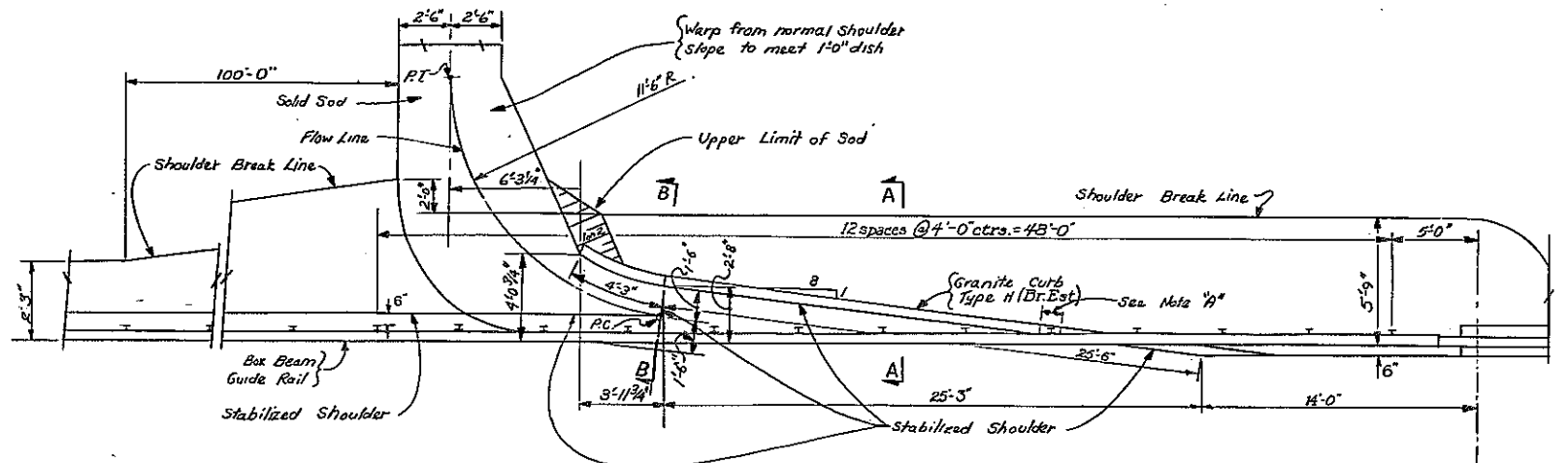
BRIDGE NO. 7
NEW S.H. OVER SOUTH BAY RD.
EUCLID - NORTH SYRACUSE
TROUGH LAYOUT
DRAWING NO. 19 OF 23



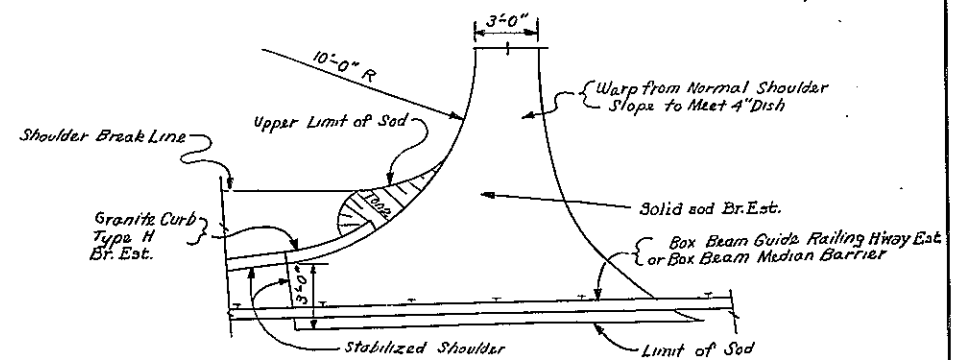
FED. RD. PROJ. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK		255	257

EUCLID-NORTH SYRACUSE

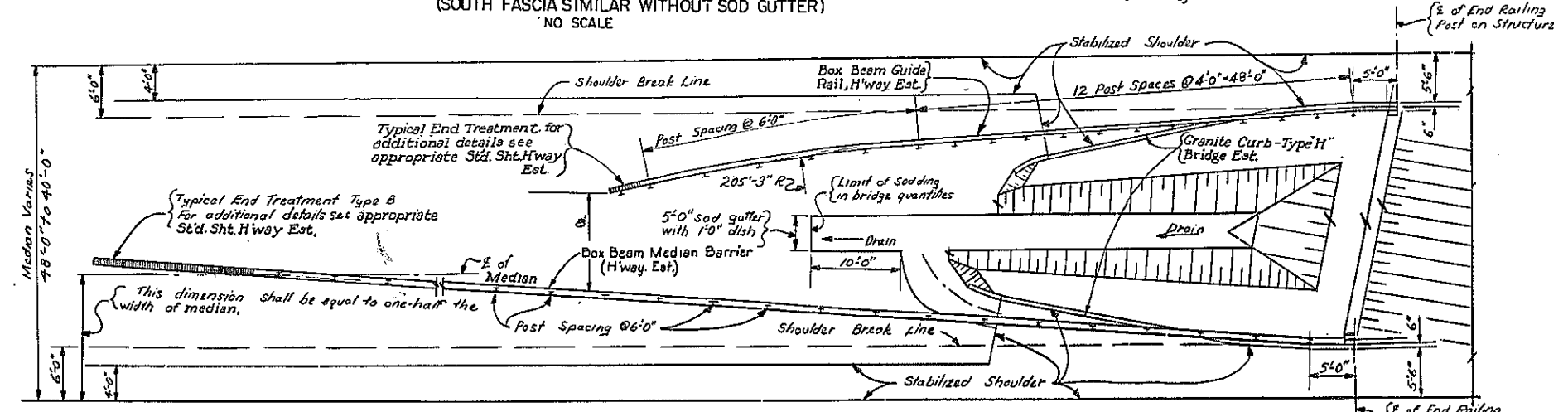
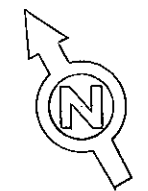
Note "A" - 6" Minimum gap in granite curb to be filled with mortar after guide rail post has been set. This filled in portion shall be paid for at the unit price bid for the adjacent granite curb.



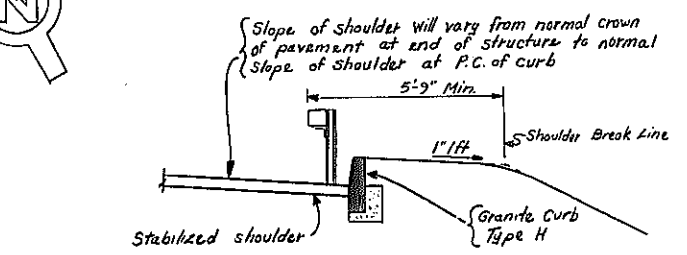
SHOULDER DETAIL AT NORTH FASCIA (SOUTH FASCIA SIMILAR WITHOUT SOD GUTTER) NO SCALE



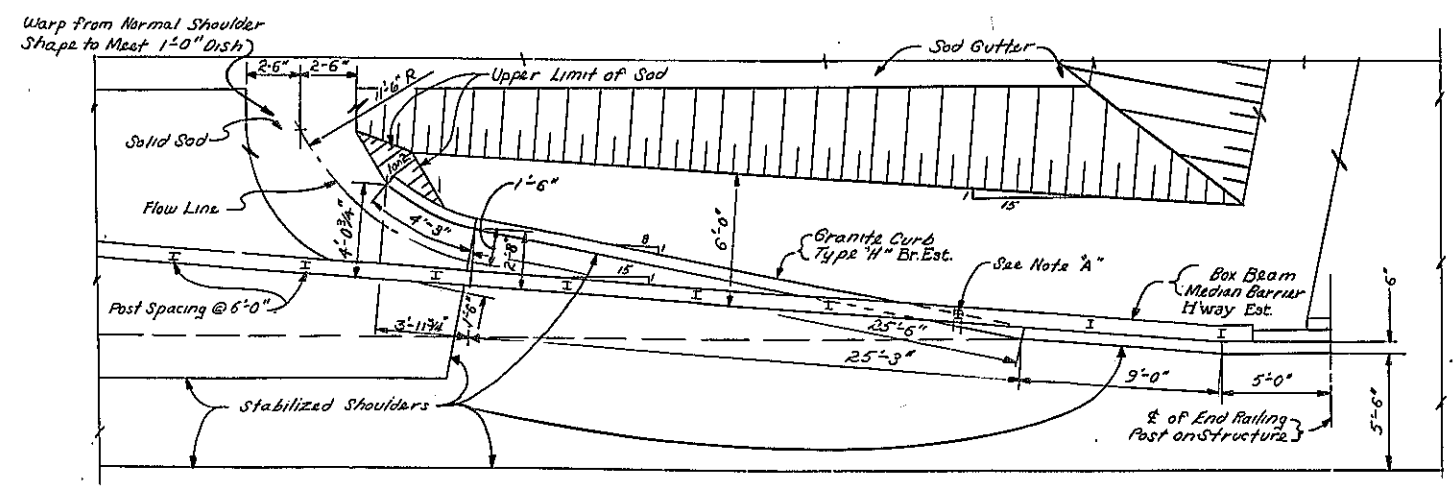
PARTIAL PLAN - SOD GUTTER EAST APPROACH SEE DWG. NO. 1 OF 23 FOR LAYOUT NO SCALE



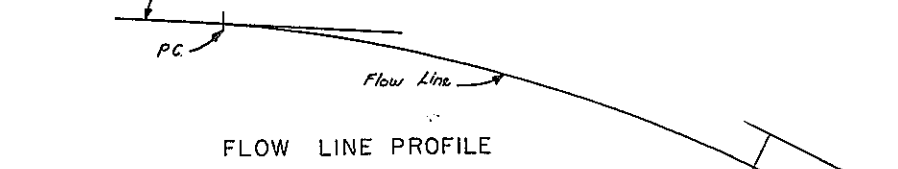
PLAN OF MEDIAN - WEST APPROACH (EAST APPROACH SIMILAR EXCEPT SOD GUTTER) NO SCALE



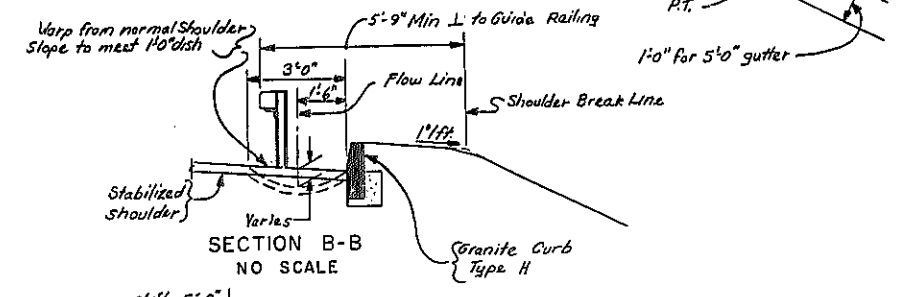
SECTION A-A NO SCALE



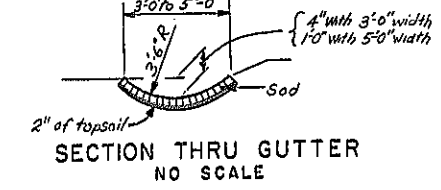
PARTIAL PLAN OF MEDIAN (BOX BEAM MEDIAN BARRIER) (BOX BEAM GUIDE RAIL SIMILAR) NO SCALE



FLOW LINE PROFILE



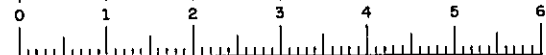
SECTION B-B NO SCALE



SECTION THRU GUTTER NO SCALE

PROJECT ENGINEER: A. Kaczak
 IN CHARGE OF: W. J. Stuey
 DESIGNED BY: W. J. Stuey
 DESIGN CHECKED BY: A. J. Kaczak
 DETAILED BY: W. J. Stuey
 DETAIL CHECKED BY: A. J. Kaczak

BRIDGE NO. 7
 NEW S.H. OVER SOUTH BAY RD.
 EUCLID - NORTH SYRACUSE
 APPROACH DRAINAGE DETAILS
 DRAWING NO. 21 OF 23



EAST ABUTMENT

MARK	SIZE	NO.	LENGTH	TYPE	A	B	C	D	E	F	G	H	I	LOCATION
SAFL1	5	32	36'-1"	Str.										Long Abut. Figs. Top & Bot.
SAFL2	5	16	25'-2"	Str.	Varies	From	30'-9"	to	35'-7"	in	7	sq. Iner. (2 sets)		Long N.E. Abut. Figs. Top & Bot.
SAFL3	5	16	25'-2"	Str.	Varies	From	19'-11"	to	31'-1"	in	7	sq. Iner. (2 sets)		Long S.E. Abut. Figs. Top & Bot.
SAFL4	5	7	26'-11"	Str.										Long Mall Wall Figs. Bot.
SAFL5	5	12	17'-6"	Str.	Varies	From	7'-2"	to	15'-10"	in	5	sq. Iner. (2 sets)		Long NEWW Figs. Top & Bot.
SAFL6	5	14	18'-3"	Str.	Varies	From	10'-0"	to	22'-8"	in	6	sq. Iner. (2 sets)		Long SEWW Figs. Top & Bot.
SAFL7	5	13	4'-0"	Str.										Double Mall Wall Figs. to S.E. Abut. Fig.
SAFL8	5	7	25'-11"	Str.										Long Mall Wall Figs. Top.
SAFT1	5	94	10'-1"	Str.										Trans. NB Abut. Figs. Top & Bot.
SAFT2	7	89	6'-3"	Str.										Trans. SB Abut. Figs. Top & Bot.
SAFT3	5	87	10'-7"	Str.										Trans. Mall Wall Figs. Top & Bot.
SAFT4	5	38	8'-0"	Str.										Trans. Mall Wall Figs. Top.
SAFT5	5	18	6'-0"	Str.										Trans. NEWW Figs. Top & Bot.
SAFT6	5	21	6'-7"	Str.										Trans. SEWW Figs. Top & Bot.
SAFT7	5	26	8'-4"	Str.										Trans. SEWW Figs. Top.
SAFT8	7	12	7'-6"	Str.										Vert. FF Abut. W.U.D's & Mall Wall stems
SAFY1	5	114	3'-2"	Str.										Vert. RF, NEWW stem
SAFY2	7	8	4'-8"	Str.										S.E. WW stems
SAFY3	7	112	4'-11"	Str.										Vert. RF Mall Wall, SB Abut. Stem
SAFV4	8	118	5'-8"	Str.										Vert. RF, SEWW Stem
SAFV5	10	11	7'-8"	Str.	6'-0 1/2	1'-7 1/2	1'-0 1/2	1'-3 1/2						Vert. Pedestal #1
SAFV6	5	6	4'-6"	Str.										Vert. Pedestal #2
SAFV7	5	6	5'-0"	Str.										Vert. Pedestal #3
SAFV8	5	6	5'-6"	Str.										Vert. Pedestal #4
SAFV9	5	6	6'-0"	Str.										Vert. Pedestal #5
SAFV10	5	6	6'-6"	Str.										Vert. Pedestal #6
SAFV11	5	6	6'-11"	Str.										Vert. Pedestal #7
SAFV12	5	5	7'-5"	Str.										Vert. Pedestal #8
SAFV13	5	6	3'-8"	Str.										Vert. Pedestal #9
SAFV14	5	6	4'-2"	Str.										Vert. Pedestal #10
SAFV15	5	6	4'-8"	Str.										Vert. Pedestal #11
SAFV16	5	6	5'-2"	Str.										Vert. Pedestal #12
SAFV17	5	6	5'-8"	Str.										Vert. Pedestal #13
SAFV18	5	6	6'-2"	Str.										Vert. Pedestal #14
SAFV19	5	6	6'-8"	Str.										Vert. SB Backwall R.F.
SABV1	5	40	12'-0 1/2"	Str.										Vert. SB Backwall FF & RF
SABV2	5	2	12'-0"	Str.										Vert. SB Backwall FF
SABV3	5	31	13'-2 1/2"	Str.	Varies	From	10'-7"	to	13'-6"	in	30	sq. Iner.		Vert. SB Backwall RF
SABV4	6	40	7'-5"	Str.										Vert. SB Backwall RF
SABV5	5	19	13'-7"	Str.	Varies	From	13'-2"	to	14'-0"	in	18	sq. Iner.		Vert. Mall Wall RF
SABV6	5	18	7'-4"	Str.										Vert. Mall Wall RF
SABV7	5	14	13'-9"	Str.	Varies	From	13'-2"	to	14'-0"	in	18	sq. Iner.		Vert. Mall Wall FF
SABV8	5	46	11'-2"	Str.	Varies	From	9'-9"	to	12'-11"	in	45	sq. Iner.		Vert. NB Backwall RF
SABV9	5	6	14'-0"	Str.										Vert. NB Backwall RF
SABV10	5	30	7'-10"	Str.										Vert. NB Backwall RF
SABV11	5	33	11'-4"	Str.	Varies	From	0'-9"	to	12'-11"	in	32	sq. Iner.		Vert. NB Backwall FF
SABV12	5	4	14'-0"	Str.										Vert. NB Backwall FF
SABV13	5	80	4'-2"	Str.	2'-8 1/2	1'-7"								Vert. Backwall to Header
SABV14	5	26	5'-2"	Str.	2'-1 1/4	1'-2"	2'-1 1/4							Vert. Mall Wall to Overlay
SACL1	5	2	6'-6"	Str.										Long NB Mall Overlay FF & RF
SACL2	5	2	28'-2"	Str.										Long Mall Overlay FF & RF
SACL3	5	2	5'-8"	Str.										Long Curtain Walls Overlay FF
SACL4	5	1	24'-5"	Str.	18'-6"	5'-1"	0'-7"	0'-7"	0'-10"					Long NE Overlay
SACL5	5	1	21'-10"	Str.										Long NE Overlay
SACL6	5	1	28'-5"	Str.	23'-6"	5'-1"	0'-7"	0'-7"	0'-10"					Long SE Overlay
SACL7	5	1	27'-5"	Str.										Long SE Overlay
SAWV1	5	14	11'-3"	Str.										Vert. FF, NEWW & FF & RF, NECW
SAWV2	5	8	10'-10"	Str.										Vert. RF, NEWW
SAWV3	5	17	15'-1"	Str.										Vert. FF, SEWW & FF & RF, SEWW
SAWV4	5	11	14'-8"	Str.										Vert. RF, SEWW
SAWV5	7	10	7'-6"	Str.										Vert. RF, SEWW
SAWV6	5	43	4'-8"	Str.	2'-1 1/4	0'-8"	2'-1 1/4							Vert. Wingwalls to Overlays
SAWV7	5	14	8'-10"	Str.	Varies	From	3'-7"	to	9'-1"	in	6	sq. Iner. (2 sets)		Vert. Cantilevers RF
SAWV8	5	14	8'-10"	Str.	Varies	From	4'-0"	to	8'-6"	in	6	sq. Iner. (2 sets)		Vert. Cantilevers FF
SABH1	5	24	31'-6"	Str.										Horiz. NB Backwall FF & RF
SABH2	5	24	10'-0"	Str.										Horiz. NB Backwall FF & RF
SABH3	5	23	28'-5"	Str.										Horiz. Mall Wall Stem FF & RF
SABH4	5	24	29'-6"	Str.										Horiz. SB Backwall FF & RF
SABH5	5	24	34'-6"	Str.										Horiz. SB Backwall FF & RF
SABH6	5	2	26'-8"	Str.										Horiz. Mall Wall FF & RF
SAPH1	5	68	10'-2"	Str.	3'-10"	3'-6"	3'-0 1/2	0'-11 1/2	2'-11 1/2					Horiz. All Interior Pedestals
SAPH2	5	5	12'-3"	Str.	4'-3"	5'-0"	3'-0 1/2	0'-11 1/2	2'-11 1/2					Horiz. NE Fascia Pedestals
SAPH3	5	6	10'-3"	Str.	3'-10"	3'-3"	3'-4 1/2							Horiz. SE Fascia Pedestals
SAHH1	5	4	30'-10"	Str.										Horiz. NB Header
SAHH2	5	4	29'-10"	Str.										Horiz. SB Header

PROJECT ENGINEER A. Karolik
 IN CHARGE OF E.L. Sizony
 DESIGNED BY N.D.
 DESIGN CHECKED BY N/A
 DETAILED BY Barbara Puchner
 DETAIL CHECKED BY N/A

MARK	SIZE	NO.	LENGTH	TYPE	A	B	C	D	E	F	G	H	I	LOCATION
SAWH1	5	19	5'-8"	Str.										Horiz. Curtainwall FF
SAWH2	5	2	14'-5"	Str.	8'-6"	5'-1"	0'-7"	0'-7"	0'-10"					Horiz. NEWW Stem FF
SAWH3	5	2	11'-6"	Str.										Horiz. NEWW Stem RF
SAWH4	5	5	18'-10"	Str.										Horiz. SEWW Stem RF
SAWH5	5	5	18'-5"	Str.	13'-6"	5'-1"	0'-7"	0'-7"	0'-10"					Horiz. SEWW Stem FF
SAWH6	5	3	21'-5"	Str.										Horiz. NEWW Stem RF
SAWH7	5	3	24'-5"	Str.	18'-6"	5'-1"	0'-7"	0'-7"	0'-10"					Horiz. NEWW Stem FF
SAWH8	5	4	12'-7"	Str.										Horiz. Cantilevers Bot., FF & RF
SAWH9	5	10	11'-5"	Str.										Horiz. Cantilevers RF
SAWH10	5	3	18'-5"	Str.										Horiz. NEWW Stem FF

SB SLAB

MARK	SIZE	NO.	LENGTH	TYPE	A	B	C	D	E	F	G	H	I	LOCATION
5SSST1	5	192	34'-10"	III	34'-3"	0'-7"	0'-5"	0'-8 1/2						Transverse Top
5SSST2	5	191	25'-4"	III	24'-9"	0'-7"	0'-5"	0'-8 1/2						Transverse Top
5SSST3	5	192	24'-9"	Str.										Transverse Bottom
5SSST4	5	191	34'-3"	Str.										Transverse Bottom
5SSST5	5	192	20'-1"	III	20'-6"	0'-7"	0'-5"	0'-8 1/2						Transverse Top
5SSST6	5	191	38'-7"	III	38'-0"	0'-7"	0'-5"	0'-8 1/2						Transverse Top
5SSST7	5	192	38'-0"	Str.										Transverse Bottom
5SSST8	5	191	28'-6"	Str.										Transverse Bottom
5SSSV1	5	202	4'-0"	XX	1'-5"	1'-4"	0'-5 1/2	0'-8 1/2	0'-6"					Vert. Safetywalk
5SSSL1	5	414	49'-6"	Str.										Long Top & Bottom & Overlays

NB SLAB

MARK	SIZE	NO.	LENGTH	TYPE	A	B	C	D	E	F	G	H	I	LOCATION
5SSST9	5	202	36'-2"	III	35'-7"	0'-7"	0'-5"	0'-8 1/2						Transverse Top
5SSST10	5	202	26'-4"	III	25'-9"	0'-7"	0'-5"	0'-8 1/2						Transverse Top
5SSST11	5	202	25'-9"	Str.										Transverse Bottom
5SSST12	5	202	35'-7"	Str.										Transverse Bottom
5SSST13	5	202	29'-9"	III	28'-2"	0'-7"	0'-5"	0'-8 1/2						Transverse Top
5SSST14	5	202	30'-7"	III	30'-0"	0'-7"</								

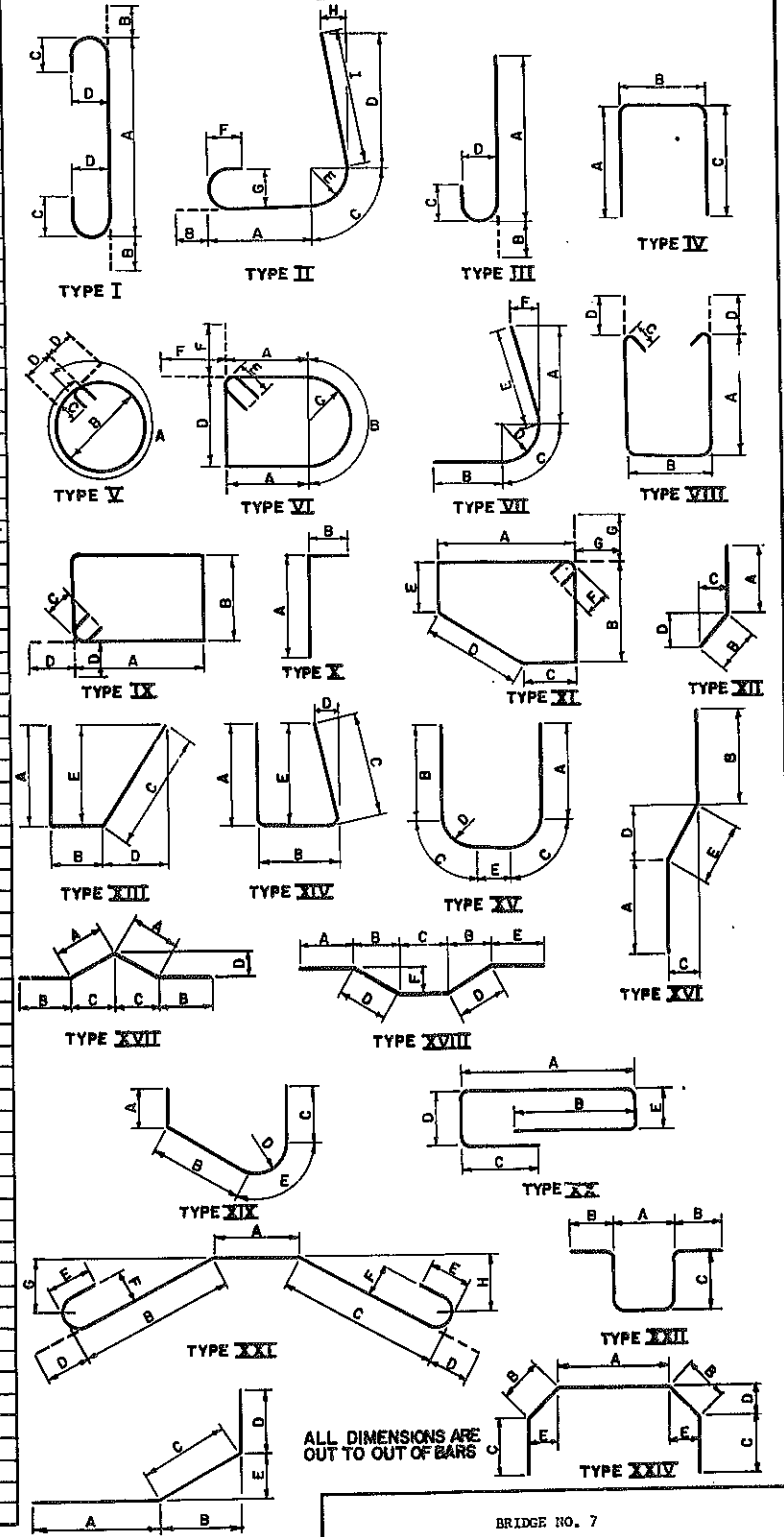
WEST ABUTMENT

Table with columns: MARK, SIZE, NO., LENGTH, TYPE, A, B, C, D, E, F, G, H, I, LOCATION. Contains detailed specifications for various steel reinforcement bars for the West Abutment.

Table with columns: MARK, SIZE, NO., LENGTH, TYPE, A, B, C, D, E, F, G, H, I, LOCATION. Contains detailed specifications for various steel reinforcement bars for the East Abutment.

Table with columns: FED. NO., STATE, FEDERAL AID PROJECT NO., SHEET NO., TOTAL SHEETS. Values include N.Y., EUCLID-NORTH SYRACUSE, 257, 257.

BAR TYPES



ALL DIMENSIONS ARE OUT TO OUT OF BARS

PROJECT ENGINEER: A. Kocak
IN CHARGE OF: R. Gregory
DESIGNED BY: N/A
DESIGN CHECKED BY: N/A
DETAILED BY: Barbara Dietrich
REVIEW CHECKED BY: J.K. Jones

BRIDGE NO. 7
NEW S.H. OVER SOUTH BAY RD.
EUCLID - NORTH SYRACUSE

BAR LIST
DRAWING NO. 23 OF 23