

CONTRACT

SE Connector Paving - S.E. 15th Street to S.E. 30th Street
Activity ID 06-2012-006

FA-31 (Form 650019)
6-12

Letting Date: May 21, 2013 Contract ID: 77-1945-409 Bid Order No.: 111
County: POLK Project Engineer: KIRKHAM-MICHAEL & ASSOCIATES
Cost Center: 849300 Object Code: 890 DBE Commitment \$1,108,000.00
Contract Work Type: PCC PAVEMENT - GRADE/NEW

2013 JUN 17 8:41:06

This agreement made and entered by and between the CITY OF DES MOINES CONTRACTING AUTHORITY,
AND
MOYNA, C.J. & SONS, INC. OF ELKADER, IA, (MO480), CONTRACTOR

It is agreed that the notice and instructions to bidders, the proposal filed by the Contractor, the specifications, the plan, if any, for project(s) listed below, together with Contractor's performance bond, are made a part hereof and together with this instrument constitute the contract. This contract contains all of the terms and conditions agreed upon by the parties hereto. A true copy of said plan is now on file in the office of the Contracting Authority under date of 05/16/2013.

PROJECT: NHS-U-1945(409)--8G-77 COUNTY: POLK
WORK TYPE: PCC PAVEMENT - GRADE/NEW ACCOUNTING ID: 30764
ROUTE: SE CONNECTOR LENGTH (MILES): 2.78
LOCATION: IN THE CITY OF DES MOINES
SE 15TH ST TO SE 30TH ST
FEDERAL AID - PREDETERMINED WAGES ARE IN EFFECT

ATTEST TO:



Diane Rauh, City Clerk

APPROVED AS TO FORM:



Kathleen Vanderpool
Deputy City Attorney

The specifications consist of the Standard Specifications for Highway and Bridge Construction, Series 2012 of the Iowa Department of Transportation plus the following Supplemental Specifications, Special Provisions, and addendums: DS-12007, DS-12008, DS-12028, FHWA-1273.05, GS-12002, IA13-1.0, SP-121021, SP-121022, SP-121023, SP-121024, SP-121025, SP-121026, SP-121027, SP-121028, SP-121029, SP-121030, ADDENDUMS: 21MAY111.A01, 21MAY111.A02

Contractor, for and in considerations of \$31,090,039.37 payable as set forth in the specifications constituting a part of this contract, agrees to construct various items of work and/or provide various materials or supplies in accordance with the plans and specifications therefore, and in the locations designated in the Notice to Bidders.


Contractor certifies by signature on this contract, under pain of penalties for false certification, that the Contractor has complied with Iowa Code Section 452A.17(8) as amended, if applicable, and Iowa Code Section 91C.5 (Public Registration Number), if applicable.

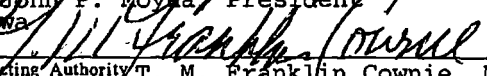
In consideration of the foregoing, Contracting authority hereby agrees to pay the Contractor promptly and according to the requirements of the specifications the amounts set forth, subject to the conditions as set forth in the specifications.

It is further understood and agreed that the above work shall also be commenced or completed in accordance with Page 1B of this Contract and assigned Proposal Notes.

To accomplish the purpose herein expressed, the Contracting authority and Contractor have signed this and one other identical instrument.

C. J. Moyna & Sons, Inc.

By  _____
Contractor John P. Moyna, President Contractor (if joint venture)

City of Des Moines, Iowa
By  _____
Contracting Authority T. M. Franklin Cownie, Mayor

June 10, 2013
Contract Award Date
JUN 20 2013

Iowa DOT Concurrence  _____
For Local Agency Contracts

Concurrence Date

Letting Date: May 21, 2013 Contract ID: 77-1945-409 Bid Order No. : 111

It is further understood and agreed that the above work shall be commenced or completed in accordance with the following schedule:

SITE NUMBER	CONTRACT PERIOD /SITE DESCRIPTION	LIQUIDATED DAMAGES
	CONTRACT LATE START DATE 06/24/2013 420 WORKING DAYS	\$1,500.00
01	CONTRACT COMPLETION DATE: 10/18/2013 SEE SITE NUMBER 01 DESCRIPTION BELOW.	\$1,500.00
02	CONTRACT COMPLETION DATE: 11/01/2013 SEE SITE NUMBER 02 DESCRIPTION BELOW.	\$1,500.00
03	CONTRACT COMPLETION DATE: 08/01/2014 SEE SITE NUMBER 03 DESCRIPTION BELOW.	\$1,500.00
04	TIME BID SITE 60 CALENDAR DAYS A + B RAILROAD FLAGGERS FOR UPRR	\$843.00
05	TIME BID SITE 60 CALENDAR DAYS A + B RAILROAD FLAGGERS FOR NS	\$430.00

CONTRACT NOTES

*** SITE NUMBER 01 ***

FOR INSTALLATION OF NEW WATER MAIN FROM STATION 1+00 TO STATION 20+85. WATER MAIN SHALL BE INSTALLED, PRESSURE TESTED AND CHLORINATED AS ONE SEGMENT. THE FOLLOWING ITEMS AT STATION 20+85 SHALL BE INCLUDED IN THIS WORK: HYDRANT ASSEMBLY, 6 IN. VALVES, 16 IN. X 6 IN. TEES, 16 IN. VALVE, 16 IN. X 16 IN. TEE, 16 IN. X 8 IN. REDUCER, AND 8 IN. VALVE, AS WELL AS TEMPORARY CAPS AND ASSOCIATED FULL DEPTH STREET PATCHING.

*** SITE NUMBER 02 ***

FOR INSTALLATION OF STORM SEWER PIPE NUMBER P-2, P-9, P-10, P-22, P-30 WITH ASSOCIATED STORM SEWER STRUCTURES UP TO NUMBER S-30 AND FULL DEPTH STREET PATCHING AT SE 18TH STREET.

*** SITE NUMBER 03 ***

FOR COMPLETION OF SE 18TH STREET RECONSTRUCTION. WORK SHALL INCLUDE, SE 18TH STREET AND SOUTHEAST CONNECTOR INTERSECTION PAVEMENT, SIDEWALKS WITH PEDESTRIAN RAMPS, TRAFFIC SIGNAL BASES, CONDUITS, AND ALL APPLICABLE UTILITIES. WINTER WORK WILL NOT BE ALLOWED FROM NOVEMBER 15, 2013 TO APRIL 1, 2014 ON SE 18TH STREET.

CONTRACT SCHEDULE OF PRICES

Vendor No.: MO480 Bid Order No.: 111
 Contract ID No.: 77-1945-409 Letting Date: May 21, 2013
 Primary Work Type: PCC PAVEMENT - GRADE AND NEW 10:00 A.M.
 Primary County: POLK

Line No	Item Number Item Description	Item Quantity and Unit	Unit Price		Bid Amount	
			Dollars	Cts	Dollars	Cts
SECTION 0001 ROADWAY ITEMS						
0010	2101-0850001 CLEARING AND GRUBBING	20.940 ACRE	9,500.00000		198,930.00	
0020	2102-0425070 SPECIAL BACKFILL	11,048.000 TON	19.70000		217,645.60	
0030	2102-2710070 EXCAVATION, CLASS 10, ROADWAY AND BORROW	502,276.000 CY	6.00000		3,013,656.00	
0040	2102-2710080 EXCAVATION, CLASS 10, UNSUITABLE OR UNSTABLE MATERIAL	2,000.000 CY	6.00000		12,000.00	
0050	2102-2712015 EXCAVATION, CLASS 12, BOULDERS OR ROCK FRAGMENTS	2,200.000 CY	15.00000		33,000.00	
0060	2104-2710020 EXCAVATION, CLASS 10, CHANNEL	350.000 CY	10.00000		3,500.00	
0070	2105-8425005 TOPSOIL, FURNISH AND SPREAD	23,121.000 CY	10.00000		231,210.00	
0080	2105-8425015 TOPSOIL, STRIP, SALVAGE AND SPREAD	15,961.000 CY	5.00000		79,805.00	
0090	2107-0425020 COMPACTING BACKFILL ADJACENT TO BRIDGES, CULVERTS OR STRUCTURES	156.000 CY	8.00000		1,248.00	
0100	2107-0875000 COMPACTION WITH MOISTURE AND DENSITY CONTROL	464,332.000 CY	0.30000		139,299.60	

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0110	2113-0001100 SUBGRADE STABILIZATION MATERIAL, POLYMER GRID	3,000.000 SY	5.00000		15,000.00	
0120	2115-0100000 MODIFIED SUBBASE	71,380.000 CY	37.50000		2,676,750.00	
0130	2123-7450000 SHOULDER CONSTRUCTION, EARTH	144.000 STA	1,070.00000		154,080.00	
0140	2213-2713300 EXCAVATION, CLASS 13, FOR WIDENING	1,052.000 CY	16.00000		16,832.00	
0150	2213-6745500 REMOVAL OF CURB	1.670 STA	800.00000		1,336.00	
0160	2213-7100400 RELOCATION OF MAIL BOXES	8.000 EACH	300.00000		2,400.00	
0170	2213-8200000 BASE WIDENING, HOT MIX ASPHALT MIXTURE	820.000 TON	81.00000		66,420.00	
0180	2213-8202080 BASE WIDENING, 8 IN. PORTLAND CEMENT CONCRETE	1,885.000 SY	52.00000		98,020.00	
0190	2301-0690200 BRIDGE APPROACH, RK-20	1,192.000 SY	168.79000		201,197.68	
0200	2301-1033080 STANDARD OR SLIP FORM PORTLAND CEMENT CONCRETE PAVEMENT, CLASS C, CLASS 3 DURABILITY, 8 IN.	2,627.000 SY	50.00000		131,350.00	

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0210	2301-1033100 STANDARD OR SLIP FORM PORTLAND CEMENT CONCRETE PAVEMENT, CLASS C, CLASS 3 DURABILITY, 10 IN.	64,206.000 SY	46.40000		2,979,158.40	
0220	2301-4874106 MEDIAN, DOWELLED P.C. CONCRETE, 6 INCH	162.000 SY	97.02000		15,717.24	
0230	2301-6911722 PORTLAND CEMENT CONCRETE PAVEMENT SAMPLES	LUMP	LUMP		19,000.00	
0240	2301-7000110 PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR PCC PAVEMENT THICKNESS (BY SCHEDULE)	84,000.000 EACH	1.00000		84,000.00	
0250	2303-0043500 HOT MIX ASPHALT MIXTURE (3,000, 000 ESAL), SURFACE COURSE, 1/2 IN. MIX, NO SPECIAL FRICTION REQUIREMENT	861.600 TON	54.00000		46,526.40	
0260	2303-0245828 ASPHALT BINDER, PG 58-28	71.100 TON	590.00000		41,949.00	
0270	2303-0246428 ASPHALT BINDER, PG 64-28	29.840 TON	700.00000		20,888.00	
0280	2312-8260051 GRANULAR SURFACING ON ROAD, CLASS A CRUSHED STONE	600.000 TON	22.00000		13,200.00	
0290	2316-0000110 PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR PCC PAVEMENT SMOOTHNESS (BY SCHEDULE)	40,500.000 EACH	1.00000		40,500.00	

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0300	2402-0425031 GRANULAR BACKFILL	138,322.000 TON	11.50000		1,590,703.00	
0310	2402-2720000 EXCAVATION, CLASS 20	1,938.000 CY	15.00000		29,070.00	
0320	2403-0100010 STRUCTURAL CONCRETE (BRIDGE)	798.200 CY	420.00000		335,244.00	
0330	2403-0100020 STRUCTURAL CONCRETE (RCB CULVERT)	232.400 CY	480.00000		111,552.00	
0340	2404-7775000 REINFORCING STEEL	40,679.000 LB	1.30000		52,882.70	
0350	2404-7775005 REINFORCING STEEL, EPOXY COATED	183,218.000 LB	0.82000		150,238.76	
0360	2405-2705000 EXCAVATE AND DEWATER	LUMP	LUMP		750,000.00	
0370	2407-0550000 BEAMS, PRETENSIONED PRESTRESSED CONCRETE, SBTE 140	12.000 EACH	25,400.00000		304,800.00	
0380	2408-7800000 STRUCTURAL STEEL	12,077.000 LB	2.65000		32,004.05	
0390	2412-0000100 LONGITUDINAL GROOVING IN CONCRETE	1,882.000 SY	2.00000		3,764.00	
0400	2414-6424038 CONCRETE BARRIER RAIL, 3'-8"	630.000 LF	63.00000		39,690.00	

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0410	2414-6425420 CONCRETE BARRIER, PARAPET	328.000 LF	48.00000		15,744.00	
0420	2414-6444100 STEEL PIPE PEDESTRIAN HAND RAILING	383.500 LF	53.00000		20,325.50	
0430	2416-0100012 APRONS, CONCRETE, 12 IN. DIA.	1.000 EACH	875.00000		875.00	
0440	2416-0100018 APRONS, CONCRETE, 18 IN. DIA.	4.000 EACH	950.00000		3,800.00	
0450	2416-0100024 APRONS, CONCRETE, 24 IN. DIA.	2.000 EACH	1,050.00000		2,100.00	
0460	2416-0100030 APRONS, CONCRETE, 30 IN. DIA.	1.000 EACH	1,200.00000		1,200.00	
0470	2416-0100036 APRONS, CONCRETE, 36 IN. DIA.	1.000 EACH	1,500.00000		1,500.00	
0480	2416-0100048 APRONS, CONCRETE, 48 IN. DIA.	2.000 EACH	1,900.00000		3,800.00	
0490	2431-0000100 SEGMENTAL BLOCK RETAINING WALL	2,707.000 SF	18.90000		51,162.30	
0500	2432-0000100 MECHANICALLY STABILIZED EARTH RETAINING WALL	66,686.000 SF	23.90000		1,593,795.40	
0510	2435-0130148 MANHOLE, SANITARY SEWER, SW-301, 48 IN.	8.000 EACH	8,500.00000		68,000.00	

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0520	2435-0130384 MANHOLE, SANITARY SEWER, SW-303, 84 IN.	1.000 EACH	20,000.00000		20,000.00	
0530	2435-0130500 MANHOLE, SANITARY SEWER, SW-305	3.000 EACH	5,000.00000		15,000.00	
0540	2435-0140148 MANHOLE, STORM SEWER, SW-401, 48 IN.	9.000 EACH	2,500.00000		22,500.00	
0550	2435-0140160 MANHOLE, STORM SEWER, SW-401, 60 IN.	4.000 EACH	3,750.00000		15,000.00	
0560	2435-0140200 MANHOLE, STORM SEWER, SW-402	10.000 EACH	6,200.00000		62,000.00	
0570	2435-0140300 MANHOLE, STORM SEWER, SW-403	1.000 EACH	8,600.00000		8,600.00	
0580	2435-0140400 MANHOLE, STORM SEWER, SW-404	5.000 EACH	8,200.00000		41,000.00	
0590	2435-0140500 MANHOLE, STORM SEWER, SW-405	2.000 EACH	9,000.00000		18,000.00	
0600	2435-0250100 INTAKE, SW-501	1.000 EACH	4,200.00000		4,200.00	
0610	2435-0250500 INTAKE, SW-505	14.000 EACH	5,500.00000		77,000.00	
0620	2435-0250600 INTAKE, SW-506	10.000 EACH	8,750.00000		87,500.00	

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0630	2435-0250700 INTAKE, SW-507	23.000 EACH	6,000.00000		138,000.00	
0640	2435-0250900 INTAKE, SW-509	50.000 EACH	7,500.00000		375,000.00	
0650	2435-0250910 INTAKE, SW-509 MODIFIED	9.000 EACH	7,700.00000		69,300.00	
0660	2435-0251224 INTAKE, SW-512, 24 IN.	12.000 EACH	2,000.00000		24,000.00	
0670	2435-0400000 DROP CONNECTION, SW-307	1.000 EACH	1,500.00000		1,500.00	
0680	2435-0600010 MANHOLE ADJUSTMENT, MINOR	8.000 EACH	800.00000		6,400.00	
0690	2435-0600020 MANHOLE ADJUSTMENT, MAJOR	2.000 EACH	1,800.00000		3,600.00	
0700	2435-0700010 CONNECTION TO EXISTING MANHOLE	4.000 EACH	800.00000		3,200.00	
0710	2501-0201517 PILES, STEEL, HP 14 X 117	7,645.000 LF	62.00000		473,990.00	
0720	2502-8212034 SUBDRAIN, LONGITUDINAL, (SHOULDER) 4 IN. DIA.	16,362.900 LF	6.80000		111,267.72	
0730	2502-8220193 SUBDRAIN OUTLET (RF-19C)	170.000 EACH	250.00000		42,500.00	

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0740	2502-8220196 SUBDRAIN OUTLET, RF-19E	4.000 EACH	250.00000		1,000.00	
0750	2503-0114212 STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 2000D (CLASS III), 12 IN.	12.400 LF	38.00000		471.20	
0760	2503-0114218 STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 2000D (CLASS III), 18 IN.	8,897.270 LF	40.00000		355,890.80	
0770	2503-0114224 STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 2000D (CLASS III), 24 IN.	3,902.050 LF	45.00000		175,592.25	
0780	2503-0114230 STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 2000D (CLASS III), 30 IN.	1,102.310 LF	55.00000		60,627.05	
0790	2503-0114236 STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 2000D (CLASS III), 36 IN.	549.490 LF	75.00000		41,211.75	
0800	2503-0114418 STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 3000D (CLASS IV), 18 IN.	255.430 LF	48.00000		12,260.64	
0810	2503-0114424 STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 3000D (CLASS IV), 24 IN.	229.740 LF	55.00000		12,635.70	

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0820	2503-0114430 STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 3000D (CLASS IV), 30 IN.	152.600 LF	65.00000		9,919.00	
0830	2503-0114436 STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 3000D (CLASS IV), 36 IN.	737.080 LF	85.00000		62,651.80	
0840	2503-0114448 STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 3000D (CLASS IV), 48 IN.	229.050 LF	100.00000		22,905.00	
0850	2503-0116437 STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE ARCH PIPE (RCAP), 3000D (CLASS A-IV), 37 IN. X 23 IN.	115.540 LF	90.00000		10,398.60	
0860	2503-0200036 REMOVE STORM SEWER PIPE LESS THAN OR EQUAL TO 36 IN.	1,111.000 LF	20.00000		22,220.00	
0870	2503-3775024 GATE, OUTLET CONTROL, FLAP, 24 IN.	1.000 EACH	1,600.00000		1,600.00	
0880	2503-3775036 GATE, OUTLET CONTROL, FLAP, 36 IN.	1.000 EACH	3,000.00000		3,000.00	
0890	2504-0116010 SANITARY SEWER GRAVITY MAIN, TRENCHED, DUCTILE IRON PIPE (DIP), 10 IN.	933.000 LF	60.00000		55,980.00	

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0900	2504-0116018 SANITARY SEWER GRAVITY MAIN, TRENCHED, DUCTILE IRON PIPE (DIP), 18 IN.	30.000 LF	215.00000		6,450.00	
0910	2504-0220000 SANITARY SEWER SERVICE RELOCATION	7.000 EACH	15,000.00000		105,000.00	
0920	2504-0240036 REMOVE SANITARY SEWER PIPE LESS THAN OR EQUAL TO 36 IN.	1,214.000 LF	120.00000		145,680.00	
0930	2504-0240136 REMOVE SANITARY SEWER PIPE GREATER THAN 36 IN.	1,331.000 LF	150.00000		199,650.00	
0940	2505-4008300 STEEL BEAM GUARDRAIL	82.000 LF	35.00000		2,870.00	
0950	2505-4021700 STEEL BEAM GUARDRAIL END TERMINAL	1.000 EACH	3,500.00000		3,500.00	
0960	2506-4984000 FLOWABLE MORTAR	420.000 CY	140.00000		58,800.00	
0970	2507-3250005 ENGINEERING FABRIC	16,678.000 SY	2.50000		41,695.00	
0980	2507-6800061 REVETMENT, CLASS E	657.000 TON	50.00000		32,850.00	
0990	2510-6745850 REMOVAL OF PAVEMENT	33,249.700 SY	8.10000		269,322.57	
1000	2510-6750600 REMOVAL OF INTAKES AND UTILITY ACCESSES	15.000 EACH	420.00000		6,300.00	

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1010	2511-0302500 RECREATIONAL TRAIL, PORTLAND CEMENT CONCRETE, 5 IN.	9,315.800 SY	34.60000		322,326.68	
1020	2511-0302600 RECREATIONAL TRAIL, PORTLAND CEMENT CONCRETE, 6 IN.	260.100 SY	57.38000		14,924.54	
1030	2511-0310100 SPECIAL COMPACTION OF SUBGRADE FOR RECREATIONAL TRAIL	100.500 STA	400.00000		40,200.00	
1040	2511-6745900 REMOVAL OF SIDEWALK	258.000 SY	6.00000		1,548.00	
1050	2511-7526005 SIDEWALK, P. C. CONCRETE, 5 IN.	2,092.900 SY	55.13000		115,381.58	
1060	2511-7526006 SIDEWALK, P. C. CONCRETE, 6 IN.	233.000 SY	74.68000		17,400.44	
1070	2511-7528101 DETECTABLE WARNINGS	530.000 SF	27.48000		14,564.40	
1080	2512-1725206 CURB AND GUTTER, P.C. CONCRETE, 2. 0 FT.	490.000 LF	38.20000		18,718.00	
1090	2513-0001040 CONCRETE BARRIER, BA-104	1,392.700 LF	72.25000		100,622.58	
1100	2513-0001081 CONCRETE BARRIER, TAPERED END, BA-108	4.000 EACH	2,604.40000		10,417.60	
1110	2515-2475006 DRIVEWAY, P. C. CONCRETE, 6 IN.	1,179.500 SY	54.41000		64,176.60	

CONTRACT SCHEDULE OF PRICES

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 Contract ID No.: 77-1945-409 Letting Date: May 21, 2013
 Primary Work Type: PCC PAVEMENT - GRADE AND NEW 10:00 A.M.
 Primary County: POLK

Line No	Item Number Item Description	Item Quantity and Unit	Unit Price		Bid Amount	
			Dollars	Cts	Dollars	Cts
1120	2515-6745600 REMOVAL OF PAVED DRIVEWAY	1,961.000 SY	2.50000		4,902.50	
1130	2518-6891820 PERMANENT ROAD CLOSURE, URBAN, SI-182	4.000 EACH	2,600.00000		10,400.00	
1140	2518-6910000 SAFETY CLOSURE	7.000 EACH	250.00000		1,750.00	
1150	2519-1001000 FENCE, CHAIN LINK, VINYL COATED , 48 IN. HEIGHT	650.300 LF	21.00000		13,656.30	
1160	2519-1001000 FENCE, CHAIN LINK, VINYL COATED , 72 IN. HEIGHT	3,120.000 LF	42.50000		132,600.00	
1170	2519-1001000 FENCE, CHAIN LINK, VINYL COATED , 72 IN.HEIGHT, ON WALL	506.000 LF	48.50000		24,541.00	
1180	2519-1001000 FENCE, CHAIN LINK, VINYL COATED , 96 IN. HEIGHT	336.500 LF	51.00000		17,161.50	
1190	2519-3300700 FENCE, TEMPORARY	1,000.000 LF	8.00000		8,000.00	
1200	2519-4200120 REMOVAL OF FENCE, CHAIN LINK	3,155.000 LF	2.00000		6,310.00	
1210	2519-4200140 REMOVAL OF FENCE, FIELD	1,295.000 LF	1.50000		1,942.50	
1220	2520-3350015 FIELD OFFICE	1.000 EACH	25,000.00000		25,000.00	

CONTRACT SCHEDULE OF PRICES

Vendor No.: MO480 Bid Order No.: 111
 Contract ID No.: 77-1945-409 Letting Date: May 21, 2013
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 Primary County: POLK

Line No	Item Number Item Description	Item Quantity and Unit	Unit Price		Bid Amount	
			Dollars	Cts	Dollars	Cts
1230	2525-0000100 TRAFFIC SIGNALIZATION	LUMP	LUMP			930,000.00
1240	2527-9263109 PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	466.180 STA	20.00000			9,323.60
1250	2527-9263126 PERMANENT TAPE MARKINGS, PROFILED PAVEMENT MARKING TAPE	466.180 STA	232.00000			108,153.76
1260	2527-9263158 PRE-CUT SYMBOLS AND LEGENDS, INTERSECTION MARKING TAPE	54.000 EACH	280.00000			15,120.00
1270	2527-9270111 GROOVES CUT FOR PAVEMENT MARKINGS	466.180 STA	60.00000			27,970.80
1280	2527-9270120 GROOVES CUT FOR SYMBOLS AND LEGENDS	54.000 EACH	100.00000			5,400.00
1290	2528-8445110 TRAFFIC CONTROL	LUMP	LUMP			40,000.00
1300	2528-8445113 FLAGGERS	50.000 EACH	325.00000			16,250.00
1310	2529-5070110 PATCHES, FULL-DEPTH FINISH, BY AREA	290.000 SY	120.00000			34,800.00
1320	2529-5070120 PATCHES, FULL-DEPTH FINISH, BY COUNT	4.000 EACH	500.00000			2,000.00
1330	2533-4980005 MOBILIZATION	LUMP	LUMP			2,000,000.00

CONTRACT SCHEDULE OF PRICES

Vendor No.: MO480 Bid Order No.: 111
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 Primary Work Type: PCC PAVEMENT - GRADE AND NEW 10:00 A.M.
 Primary County: POLK

Line No	Item Number Item Description	Item Quantity and Unit	Unit Price		Bid Amount	
			Dollars	Cts	Dollars	Cts
1340	|2537-8900500 AMENDED SOIL	| 546.000 |CY	| 59.00000	|	| 32,214.00	|
1350	|2538-6970010 SALVAGE, REMOVAL, AND DISPOSAL OF OBSTRUCTIONS	|LUMP	|LUMP	|	| 22,000.00	|
1360	|2546-1000100 GABIONS OR MATTRESSES	| 70.000 |CY	| 120.00000	|	| 8,400.00	|
1370	|2549-0006310 RUBBER CHIMNEY SEAL	| 9.000 |EACH	| 250.00000	|	| 2,250.00	|
1380	|2552-0000210 TRENCH FOUNDATION	| 265.000 |TON	| 30.00000	|	| 7,950.00	|
1390	|2552-0000220 REPLACEMENT OF UNSUITABLE BACKFILL MATERIAL	| 5,000.000 |CY	| 13.00000	|	| 65,000.00	|
1400	|2554-0112008 WATER MAIN, TRENCHED, DUCTILE IRON PIPE (DIP), 8 IN.	| 645.000 |LF	| 80.00000	|	| 51,600.00	|
1410	|2554-0112016 WATER MAIN, TRENCHED, DUCTILE IRON PIPE (DIP), 16 IN.	| 2,750.000 |LF	| 120.00000	|	| 330,000.00	|
1420	|2554-0114008 WATER MAIN, TRENCHED, POLYVINYL CHLORIDE PIPE (PVC), 8 IN.	| 1,140.000 |LF	| 50.00000	|	| 57,000.00	|
1430	2554-0114016 WATER MAIN, TRENCHED, POLYVINYL CHLORIDE PIPE (PVC), 16 IN.	 8.000 LF	 1,200.00000		 9,600.00	

CONTRACT SCHEDULE OF PRICES

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 Primary Work Type: PCC PAVEMENT - GRADE AND NEW 10:00 A.M.
 Primary County: POLK

Line No	Item Number Item Description	Item Quantity and Unit	Unit Price		Bid Amount	
			Dollars	Cts	Dollars	Cts
1440	2554-0142016 WATER MAIN WITH CASING PIPE, TRENCHLESS, DUCTILE IRON PIPE (DIP), 16 IN.	165.000 LF	780.00000		128,700.00	
1450	2554-0203000 FITTINGS BY WEIGHT, DUCTILE IRON	4,871.000 LB	10.00000		48,710.00	
1460	2554-0207006 VALVE, GATE, DIP, 6 IN.	2.000 EACH	1,200.00000		2,400.00	
1470	2554-0207008 VALVE, GATE, DIP, 8 IN.	1.000 EACH	1,500.00000		1,500.00	
1480	2554-0210201 FIRE HYDRANT ASSEMBLY, WM-201	17.000 EACH	4,800.00000		81,600.00	
1490	2554-0212020 VALVE BOX EXTENSION	2.000 EACH	500.00000		1,000.00	
1500	2555-0000010 DELIVER AND STOCKPILE SALVAGED MATERIALS	LUMP	LUMP		15,000.00	
1510	2595-0000010 RAILROAD INSURANCE PROVISIONS , NS	LUMP	LUMP		80,000.00	
1520	2595-0000100 UPRR INSURANCE PROVISIONS	LUMP	LUMP		80,000.00	
1530	2595-7400200 REMOVAL OF RAILROAD TRACK	1,370.000 TLF	18.00000		24,660.00	
1540	2599-9999003 ('CUBIC YARDS' ITEM) SUBSURFACE RUBBLE REMOVAL	2,000.000 CY	50.00000		100,000.00	

CONTRACT SCHEDULE OF PRICES

Vendor No.: MO480 Bid Order No.: 111
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 Primary County: POLK

Line No	Item Number Item Description	Item Quantity and Unit	Unit Price		Bid Amount	
			Dollars	Cts	Dollars	Cts
1550	2599-9999005 ('EACH' ITEM) ADJUST STOP BOX TO NEW GRADE	2.000 EACH	600.00000		1,200.00	
1560	2599-9999005 ('EACH' ITEM) CATHODIC PROTECTION TEST STATION	2.000 EACH	3,500.00000		7,000.00	
1570	2599-9999005 ('EACH' ITEM) CHECK DEPTH OF WATER SERVICE	3.000 EACH	1,500.00000		4,500.00	
1580	2599-9999005 ('EACH' ITEM) CONCRETE BARRIER WITH TAPERED END	4.000 EACH	2,226.50000		8,906.00	
1590	2599-9999005 ('EACH' ITEM) CONCRETE COLLAR	1.000 EACH	10,000.00000		10,000.00	
1600	2599-9999005 ('EACH' ITEM) CONCRETE PLUG	7.000 EACH	400.00000		2,800.00	
1610	2599-9999005 ('EACH' ITEM) FIRE HYDRANT ON EXISTING WATER MAIN	1.000 EACH	4,500.00000		4,500.00	
1620	2599-9999005 ('EACH' ITEM) FLOWERS, AS PER PLAN	5,870.000 EACH	12.00000		70,440.00	
1630	2599-9999005 ('EACH' ITEM) HEADWALL, 24 IN.	1.000 EACH	3,500.00000		3,500.00	
1640	2599-9999005 ('EACH' ITEM) HEADWALL, 36 IN.	1.000 EACH	4,400.00000		4,400.00	
1650	2599-9999005 ('EACH' ITEM) ISOLATION COUPLING, 16 IN.	1.000 EACH	2,500.00000		2,500.00	

CONTRACT SCHEDULE OF PRICES

Vendor No.: MO480 Bid Order No.: 111
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 Primary County: POLK

Line No	Item Number Item Description	Item Quantity and Unit	Unit Price		Bid Amount	
			Dollars	Cts	Dollars	Cts
1660	2599-9999005 ('EACH' ITEM) ISOLATION COUPLING, 8 IN.	1.000 EACH	3,500.00000		3,500.00	
1670	2599-9999005 ('EACH' ITEM) LOWER WATER SERVICE	2.000 EACH	2,500.00000		5,000.00	
1680	2599-9999005 ('EACH' ITEM) MAGNESIUM ANODE, 32 LB.	71.000 EACH	350.00000		24,850.00	
1690	2599-9999005 ('EACH' ITEM) MASONRY BENCH	3.000 EACH	1,800.00000		5,400.00	
1700	2599-9999005 ('EACH' ITEM) MASONRY PIER	17.000 EACH	4,500.00000		76,500.00	
1710	2599-9999005 ('EACH' ITEM) PLANT BULBS	511.000 EACH	5.00000		2,555.00	
1720	2599-9999005 ('EACH' ITEM) PREPARE EXCAVATION FOR TAPPING SLEEVE	4.000 EACH	2,500.00000		10,000.00	
1730	2599-9999005 ('EACH' ITEM) RELOCATE CHAIN LINK GATE	3.000 EACH	2,500.00000		7,500.00	
1740	2599-9999005 ('EACH' ITEM) REMOVAL OF FIRE HYDRANT ON ABANDONED MAIN	8.000 EACH	2,500.00000		20,000.00	
1750	2599-9999005 ('EACH' ITEM) REMOVAL OF FIRE HYDRANT ON EXISTING MAIN	2.000 EACH	5,500.00000		11,000.00	

CONTRACT SCHEDULE OF PRICES

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Line No	Item Number Item Description	Item Quantity and Unit	Unit Price		Bid Amount	
			Dollars	Cts	Dollars	Cts
1760	2599-9999005 ('EACH' ITEM) SANITARY SEWER, CLASS 4 LINE REINFORCED CONCRETE, 66 IN X 54 IN. REDUCER	1.000 EACH	10,000.00000		10,000.00	
1770	2599-9999005 ('EACH' ITEM) SANITARY SEWER, CLASS 4 LINED REINFORCED CONCRETE, 54 IN X 42 IN. REDUCER	1.000 EACH	10,000.00000		10,000.00	
1780	2599-9999005 ('EACH' ITEM) TAPPING SLEEVE AND VALVE, 48 IN. X 16 IN	1.000 EACH	10,000.00000		10,000.00	
1790	2599-9999005 ('EACH' ITEM) TREE DRAINAGE WELL	79.000 EACH	40.00000		3,160.00	
1800	2599-9999005 ('EACH' ITEM) VALVE GATE, DIP, 16 IN.	3.000 EACH	6,500.00000		19,500.00	
1810	2599-9999005 ('EACH' ITEM) WATER SERVICE TRANSFER, 1 IN.	3.000 EACH	2,500.00000		7,500.00	
1820	2599-9999005 ('EACH' ITEM) WATER SERVICE TRANSFER, 2 IN.	2.000 EACH	2,800.00000		5,600.00	
1830	2599-9999005 ('EACH' ITEM) WATER SERVICE TRANSFER, 4 IN.	2.000 EACH	3,500.00000		7,000.00	
1840	2599-9999005 ('EACH' ITEM) WATER SERVICE TRANSFER, 6 IN.	1.000 EACH	4,500.00000		4,500.00	
1850	2599-9999005 ('EACH' ITEM) WATER SERVICE, 12 IN.	1.000 EACH	8,500.00000		8,500.00	

CONTRACT SCHEDULE OF PRICES

Vendor No.: MO480 Bid Order No.: 111
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 Primary County: POLK

Line No	Item Number Item Description	Item Quantity and Unit	Unit Price		Bid Amount	
			Dollars	Cts	Dollars	Cts
1860	2599-9999009 ('LINEAR FEET' ITEM) CLASS R-4 NON-REINFORCED CONCRETE ARCH	390.000 LF	200.00000		78,000.00	
1870	2599-9999009 ('LINEAR FEET' ITEM) ELECTRICAL CONDUIT, TRENCHED, 4 IN.	485.000 LF	12.00000		5,820.00	
1880	2599-9999009 ('LINEAR FEET' ITEM) ELECTRICAL CONDUIT, TRENCHED, 6 IN.	1,180.000 LF	24.00000		28,320.00	
1890	2599-9999009 ('LINEAR FEET' ITEM) LIMESTONE EDGER	1,536.000 LF	7.25000		11,136.00	
1900	2599-9999009 ('LINEAR FEET' ITEM) PILE CASING, CMP, 24 IN.	2,812.000 LF	45.00000		126,540.00	
1910	2599-9999009 ('LINEAR FEET' ITEM) REMOVAL OF WATER MAIN	1,630.000 LF	25.00000		40,750.00	
1920	2599-9999009 ('LINEAR FEET' ITEM) REMOVE ABANDONED HP GAS MAIN	700.000 LF	80.00000		56,000.00	
1930	2599-9999009 ('LINEAR FEET' ITEM) SANITARY SEWER, CLASS 4 LINED REINFORCED CONCRETE, 42 IN.	266.000 LF	630.00000		167,580.00	
1940	2599-9999009 ('LINEAR FEET' ITEM) SANITARY SEWER, CLASS 4 LINED REINFORCED CONCRETE, 66 IN.	762.000 LF	730.00000		556,260.00	

CONTRACT SCHEDULE OF PRICES

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 Primary County: POLK

Line No	Item Number Item Description	Item Quantity and Unit	Unit Price		Bid Amount	
			Dollars	Cts	Dollars	Cts
1950	2599-9999009 ('LINEAR FEET' ITEM) SANITARY SEWER, CLASS 5 LINED REINFORCED CONCRETE, 42 IN.	459.000 LF	730.00000		335,070.00	
1960	2599-9999009 ('LINEAR FEET' ITEM) SANITARY SEWER, CLASS 5 LINED REINFORCED CONCRETE, 66 IN.	220.000 LF	830.00000		182,600.00	
1970	2599-9999009 ('LINEAR FEET' ITEM) TREE PROTECTION, FENCE	2,645.000 LF	2.00000		5,290.00	
1980	2599-9999010 ('LUMP SUM' ITEM) FIRE HYDRANT RELOCATION	LUMP	LUMP		8,000.00	
1990	2599-9999010 ('LUMP SUM' ITEM) INTERMEDIATE FOUNDATION IMPROVEMENT	LUMP	LUMP		1,778,800.00	
2000	2599-9999010 ('LUMP SUM' ITEM) INTERMEDIATE FOUNDATION IMPROVEMENT VERIFICATION TESTING	LUMP	LUMP		38,800.00	
2010	2599-9999010 ('LUMP SUM' ITEM) REMOVE AND REPLACE PICKET FENCE	LUMP	LUMP		1,500.00	
2020	2599-9999010 ('LUMP SUM' ITEM) REMOVE, SALVAGE, RESET MANHOLE RISER	LUMP	LUMP		1,500.00	
2030	2599-9999010 ('LUMP SUM' ITEM) ROADWAY ELECTRICAL	LUMP	LUMP		420,000.00	
2040	2599-9999010 ('LUMP SUM' ITEM) ROADWAY LIGHTING	LUMP	LUMP		590,000.00	

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Line No	Item Number Item Description	Item Quantity and Unit	Unit Price		Bid Amount	
			Dollars	Cts	Dollars	Cts
2050	2599-9999010 ('LUMP SUM' ITEM) STORMWATER POLLUTION PREVENTION PLAN AND MAINTENANCE	LUMP	LUMP			5,500.00
2060	2599-9999010 ('LUMP SUM' ITEM) SURFACE RUBBLE REMOVAL	LUMP	LUMP			120,000.00
2070	2599-9999010 ('LUMP SUM' ITEM) TREE PROTECTION	LUMP	LUMP			1,000.00
2080	2599-9999010 ('LUMP SUM' ITEM) VIDEO INSPECTION OF STORM SEWER	LUMP	LUMP			20,000.00
2090	2599-9999010 ('LUMP SUM' ITEM) WASTEWATER PUMPING	LUMP	LUMP			300,000.00
2100	2599-9999018 ('SQUARE YARDS' ITEM) P.C. CONCRETE FENCE FOOTING	90.000 SY		195.00000		17,550.00
2110	2599-9999018 ('SQUARE YARDS' ITEM) P.C. CONCRETE FLUME	104.000 SY		104.37000		10,854.48
2120	2599-9999018 ('SQUARE YARDS' ITEM) SIDEWALK, P.C. CONCRETE, REINFORCED, 12 IN.	1,618.400 SY		65.00000		105,196.00
2130	2599-9999018 ('SQUARE YARDS' ITEM) SLOPE PROTECTION, STRAW MAT	75,182.000 SY		0.85000		63,904.70
2140	2599-9999020 ('TONS' ITEM) FOUNDATION ROCK	50.000 TON		60.00000		3,000.00
2150	2599-9999020 ('TONS' ITEM) MACADAM STONE FILL	31,241.000 TON		21.00000		656,061.00

CONTRACT SCHEDULE OF PRICES

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Line No	Item Number Item Description	Item Quantity and Unit	Unit Price		Bid Amount	
			Dollars	Cts	Dollars	Cts
2160	2599-9999020 ('TONS' ITEM) SURFACING, ASPHALT MILLINGS	300.000 TON	24.00000		7,200.00	
2170	2601-2633100 MOWING	219.500 ACRE	45.00000		9,877.50	
2180	2601-2634100 MULCHING	54.000 ACRE	700.00000		37,800.00	
2190	2601-2634105 MULCHING, BONDED FIBER MATRIX	32.400 ACRE	2,000.00000		64,800.00	
2200	2601-2636015 NATIVE GRASS SEEDING	10.000 ACRE	660.00000		6,600.00	
2210	2601-2636044 SEEDING AND FERTILIZING (URBAN)	35.740 ACRE	990.00000		35,382.60	
2220	2601-2638620 MACADAM STONE SLOPE PROTECTION	600.000 SY	45.00000		27,000.00	
2230	2601-2639010 SODDING	1,910.000 SQ	35.00000		66,850.00	
2240	2601-2642120 STABILIZING CROP - SEEDING AND FERTILIZING (URBAN)	54.000 ACRE	500.00000		27,000.00	
2250	2601-2643110 WATERING FOR SOD, SPECIAL DITCH CONTROL, OR SLOPE PROTECTION	1,146.000 MGAL	60.00000		68,760.00	
2260	2602-0000020 SILT FENCE	34,750.000 LF	1.30000		45,175.00	

CONTRACT SCHEDULE OF PRICES

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Line No	Item Number Item Description	Item Quantity and Unit	Unit Price		Bid Amount	
			Dollars	Cts	Dollars	Cts
2270	2602-0000030 SILT FENCE FOR DITCH CHECKS	4,200.000 LF	1.65000		6,930.00	
2280	2602-0000050 SILT BASINS	2.000 EACH	400.00000		800.00	
2290	2602-0000071 REMOVAL OF SILT FENCE OR SILT FENCE FOR DITCH CHECKS	19,428.000 LF	0.05000		971.40	
2300	2602-0000101 MAINTENANCE OF SILT FENCE OR SILT FENCE FOR DITCH CHECK	3,886.000 LF	0.35000		1,360.10	
2310	2602-0000212 FLOATING SILT CURTAIN (HANGING)	1,800.000 LF	20.00000		36,000.00	
2320	2602-0000312 PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 12 IN. DIA.	6,543.000 LF	1.60000		10,468.80	
2330	2602-0000320 PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 20 IN. DIA.	760.000 LF	2.10000		1,596.00	
2340	2602-0000350 REMOVAL OF PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE	2,297.000 LF	0.10000		229.70	
2350	2602-0010010 MOBILIZATIONS, EROSION CONTROL	20.000 EACH	500.00000		10,000.00	
2360	2602-0010020 MOBILIZATIONS, EMERGENCY EROSION CONTROL	8.000 EACH	1,000.00000		8,000.00	
2370	2610-0000110 SHRUBS	469.000 EACH	60.00000		28,140.00	

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Line No	Item Number Item Description	Item Quantity and Unit	Unit Price		Bid Amount	
			Dollars	Cts	Dollars	Cts
2380	|2610-0000120 TREES	|				
		| 316.000 |	305.00000		96,380.00	
		| EACH				
2390	|2610-0000400 WATERING FOR PLANTS	|				
		| 397.000 |	60.00000		23,820.00	
		| MGAL				
|TOTAL BID						31,090,039.37

A d d e n d u m

Iowa Department of Transportation
Office of Contracts

Date of Letting: May 21, 2013
Date of Addendum: April 26, 2013

B.O.	Proposal ID	Proposal Work Type	County	Project Number	Addendum
111	77-1945-409	PCC PAVEMENT - GRADE AND NEW	POLK	NHS-U-1945(409)--8G-77	21MAY111.A01

Notice: Only the bid proposal holders receive this addendum and responsibility for notifying any potential subcontractors or suppliers remains with the proposal holder.

Replace the Estimating Proposal with the attached Estimating Proposal.

This addendum is to combine like items on the Estimating Proposal.

For bidding information, see Preparation of Proposals in the Standard Specifications for Highway and Bridge Construction.

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*                               Bid Order No.: 111                               *
* Proposal ID No.: 77-1945-409      Letting Date: May 21, 2013      *
*                               10:00 A.M.                               *
*   Type of Work: PCC PAVEMENT - GRADE AND NEW                          *
* Primary County: POLK              Design: ENGLISH                    *
*   DBE Goal: 2.5 %                Std Spec Series: 2012              *
* Pre-Qual Group: PCC PAVEMENT                                          *
*                               *                                         *
* Contracting Authority: CITY OF DES MOINES                            *
* Proposal Guaranty: $ 1,500,000                                       *
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This Proposal Includes The Following Project(s):

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Project: NHS-U-1945(409)--8G-77          County: POLK
Work Type: PCC PAVEMENT - GRADE AND NEW  Plans: Yes & X-Sections
Route: SE CONNECTOR                     Design: ENGLISH
Location: IN THE CITY OF DES MOINES
SE 15TH ST TO SE 30TH ST
Road System: URBAN
Length: 2.78 Miles
Federal Aid - Predetermined Wages Are In Effect
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PROPOSAL DETAILS

Page: 2

 Proposal ID No.: 77-1945-409 Bid Order No.: 111
 Primary Work Type: PCC PAVEMENT - GRADE AND NEW Letting Date: May 21, 2013
 10:00 A.M.

Site Number	Contract Period/ Site Description	Liquidated Damages
CONTRACT	LATE START DATE: 06/24/13 420 WORKING DAYS	\$ 1,500.00
01	COMPLETION DATE: 10/18/13 SEE SITE NUMBER 01 DESCRIPTION BELOW.	\$ 1,500.00
02	COMPLETION DATE: 11/01/13 SEE SITE NUMBER 02 DESCRIPTION BELOW.	\$ 1,500.00
03	COMPLETION DATE: 08/01/14 SEE SITE NUMBER 03 DESCRIPTION BELOW.	\$ 1,500.00
04 **	TIME BID SITE A + B RAILROAD FLAGGERS FOR UPRR ## CALENDAR DAYS	\$ 843.00
05 **	TIME BID SITE A + B RAILROAD FLAGGERS FOR NS ## CALENDAR DAYS	\$ 430.00

** This is a COST PLUS TIME contract (A + B). See 'Section: BID TIME' in the PROPOSAL SCHEDULE OF PRICES to bid the CALENDAR DAYS for this Site.

PROPOSAL NOTES

*** SITE NUMBER 01 ***

FOR INSTALLATION OF NEW WATER MAIN FROM STATION 1+00 TO STATION 20+85. WATER MAIN SHALL BE INSTALLED, PRESSURE TESTED AND CHLORINATED AS ONE SEGMENT. THE FOLLOWING ITEMS AT STATION 20+85 SHALL BE INCLUDED IN THIS WORK: HYDRANT ASSEMBLY, 6 IN. VALVES, 16 IN. X 6 IN. TEES, 16 IN. VALVE, 16 IN. X 16 IN. TEE, 16 IN. X 8 IN. REDUCER, AND 8 IN. VALVE, AS WELL AS TEMPORARY CAPS AND ASSOCIATED FULL DEPTH STREET PATCHING.

*** SITE NUMBER 02 ***

FOR INSTALLATION OF STORM SEWER PIPE NUMBER P-2, P-9, P-10, P-22, P-30 WITH ASSOCIATED STORM SEWER STRUCTURES UP TO NUMBER S-30 AND FULL DEPTH STREET PATCHING AT SE 18TH STREET.

*** SITE NUMBER 03 ***

FOR COMPLETION OF SE 18TH STREET RECONSTRUCTION. WORK SHALL INCLUDE, SE 18TH STREET AND SOUTHEAST CONNECTOR INTERSECTION PAVEMENT, SIDEWALKS WITH PEDESTRIAN RAMPS, TRAFFIC SIGNAL BASES, CONDUITS, AND ALL APPLICABLE UTILITIES. WINTER WORK WILL NOT BE ALLOWED FROM NOVEMBER 15, 2013 TO APRIL 1, 2014 ON SE 18TH STREET.

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 Primary County: POLK

Bid Order No.: 111
 Letting Date: May 21, 2013
 10:00 A.M.

UNIT BIDS MUST BE TYPED OR SHOWN IN INK OR THE BID WILL BE REJECTED.

Line No	Item Number Item Description	Item Quantity and Unit	Unit Price		Bid Amount	
			Dollars	Cts	Dollars	Cts
Section 0001 ROADWAY ITEMS						
0010	|2101-0850001 CLEARING AND GRUBBING	| 20.940 ACRE	|	|	|	|
0020	|2102-0425070 SPECIAL BACKFILL	| 11,024.000 TON	|	|	|	|
0030	|2102-2710070 EXCAVATION, CLASS 10, ROADWAY AND BORROW	| 498,899.000 CY	|	|	|	|
0040	|2102-2710080 EXCAVATION, CLASS 10, UNSUITABLE OR UNSTABLE MATERIAL	| 2,000.000 CY	|	|	|	|
0050	|2102-2712015 EXCAVATION, CLASS 12, BOULDERS OR ROCK FRAGMENTS	| 2,200.000 CY	|	|	|	|
0060	|2104-2710020 EXCAVATION, CLASS 10, CHANNEL	| 350.000 CY	|	|	|	|
0070	|2105-8425005 TOPSOIL, FURNISH AND SPREAD	| 23,046.000 CY	|	|	|	|
0080	|2105-8425015 TOPSOIL, STRIP, SALVAGE AND SPREAD	| 15,961.000 CY	|	|	|	|
0090	|2107-0425020 COMPACTING BACKFILL ADJACENT TO BRIDGES, CULVERTS OR STRUCTURES	| 156.000 CY	|	|	|	|
0100	2107-0875000 COMPACTION WITH MOISTURE AND DENSITY CONTROL	 457,141.000 CY				

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			Dollars	Cts	Dollars	Cts
0110	2113-0001100 SUBGRADE STABILIZATION MATERIAL, POLYMER GRID	 3,000.000 SY	
0120	|2115-0100000 MODIFIED |SUBBASE	| 71,380.000| |CY	| . |	| . |	| . |	| . |
0130	|2123-7450000 SHOULDER |CONSTRUCTION, EARTH	| 144.000| |STA	| . |	| . |	| . |	| . |
0140	|2213-2713300 EXCAVATION, |CLASS 13, FOR WIDENING	| 1,052.000| |CY	| . |	| . |	| . |	| . |
0150	|2213-6745500 REMOVAL OF |CURB	| 1.670| |STA	| . |	| . |	| . |	| . |
0160	|2213-7100400 RELOCATION |OF MAIL BOXES	| 8.000| |EACH	| . |	| . |	| . |	| . |
0170	|2213-8200000 BASE |WIDENING, HOT MIX |ASPHALT MIXTURE	| 820.000| |TON	| . |	| . |	| . |	| . |
0180	|2213-8202080 BASE |WIDENING, 8 IN. PORTLAND |CEMENT CONCRETE	| 1,885.000| |SY	| . |	| . |	| . |	| . |
0190	|2301-0690200 BRIDGE |APPROACH, RK-20	| 1,192.000| |SY	| . |	| . |	| . |	| . |
0200	2301-1033080 STANDARD OR SLIP FORM PORTLAND CEMENT CONCRETE PAVEMENT, CLASS C, CLASS 3 DURABILITY, 8 IN.	 2,627.000 SY	

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0210	2301-1033100 STANDARD OR SLIP FORM PORTLAND CEMENT CONCRETE PAVEMENT, CLASS C, CLASS 3 DURABILITY, 10 IN.	64,206.000 SY
0220	2301-4874106 MEDIAN, DOWELLED P.C. CONCRETE, 6 INCH	162.000 SY	.	.	.	.
0230	2301-6911722 PORTLAND CEMENT CONCRETE PAVEMENT SAMPLES	LUMP	LUMP	.	.	.
0240	2301-7000110 PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR PCC PAVEMENT THICKNESS (BY SCHEDULE)	84,000.000 EACH	1.00000	.	84,000.00	.
0250	2303-0043500 HOT MIX ASPHALT MIXTURE (3,000, 000 ESAL), SURFACE COURSE, 1/2 IN. MIX, NO SPECIAL FRICTION REQUIREMENT	861.600 TON	.	.	.	.
0260	2303-0245828 ASPHALT BINDER, PG 58-28	71.100 TON	.	.	.	.
0270	2303-0246428 ASPHALT BINDER, PG 64-28	29.840 TON	.	.	.	.
0280	2312-8260051 GRANULAR SURFACING ON ROAD, CLASS A CRUSHED STONE	600.000 TON

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			Dollars	Cts	Dollars	Cts
0290	2316-0000110 PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR PCC PAVEMENT SMOOTHNESS (BY SCHEDULE)	 40,500.000 EACH	 1.00000		 40,500.00	
0300	|2402-0425031 GRANULAR BACKFILL	| 138,322.000 TON	|	|	|	|
0310	|2402-2720000 EXCAVATION, CLASS 20	| 1,938.000 CY	|	|	|	|
0320	|2403-0100010 STRUCTURAL CONCRETE (BRIDGE)	| 798.200 CY	|	|	|	|
0330	|2403-0100020 STRUCTURAL CONCRETE (RCB CULVERT)	| 224.000 CY	|	|	|	|
0340	|2404-7775000 REINFORCING STEEL	| 39,133.000 LB	|	|	|	|
0350	|2404-7775005 REINFORCING STEEL, EPOXY COATED	| 183,218.000 LB	|	|	|	|
0360	|2405-2705000 EXCAVATE AND DEWATER	| LUMP	|	|LUMP	|	|
0370	2407-0550000 BEAMS, PRETENSIONED PRESTRESSED CONCRETE, SBTE 140	 12.000 EACH				
0380	2408-7800000 STRUCTURAL STEEL	 12,077.000 LB				

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			Dollars	Cts	Dollars	Cts
0390	2412-0000100 LONGITUDINAL GROOVING IN CONCRETE	 1,882.000 SY				
0400	|2414-6424038 CONCRETE BARRIER RAIL, 3'-8"	| 630.000| LF	|	|	|	|
0410	|2414-6425420 CONCRETE BARRIER, PARAPET	| 328.000| LF	|	|	|	|
0420	|2414-6444100 STEEL PIPE PEDESTRIAN HAND RAILING	| 383.500| LF	|	|	|	|
0430	|2416-0100012 APRONS, CONCRETE, 12 IN. DIA.	| 1.000| EACH	|	|	|	|
0440	|2416-0100018 APRONS, CONCRETE, 18 IN. DIA.	| 4.000| EACH	|	|	|	|
0450	|2416-0100024 APRONS, CONCRETE, 24 IN. DIA.	| 2.000| EACH	|	|	|	|
0460	|2416-0100030 APRONS, CONCRETE, 30 IN. DIA.	| 1.000| EACH	|	|	|	|
0470	|2416-0100036 APRONS, CONCRETE, 36 IN. DIA.	| 1.000| EACH	|	|	|	|
0480	2416-0100048 APRONS, CONCRETE, 48 IN. DIA.	 2.000 EACH				
0490	2431-0000100 SEGMENTAL BLOCK RETAINING WALL	 2,707.000 SF				

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			Dollars	Cts	Dollars	Cts
0500	2432-0000100 MECHANICALLY STABILIZED EARTH RETAINING WALL	66,686.000 SF
0510	2435-0130148 MANHOLE, SANITARY SEWER, SW-301, 48 IN.	8.000 EACH	.	.	.	.
0520	2435-0130384 MANHOLE, SANITARY SEWER, SW-303, 84 IN.	1.000 EACH	.	.	.	.
0530	2435-0130500 MANHOLE, SANITARY SEWER, SW-305	3.000 EACH	.	.	.	.
0540	2435-0140148 MANHOLE, STORM SEWER, SW-401, 48 IN.	9.000 EACH	.	.	.	.
0550	2435-0140160 MANHOLE, STORM SEWER, SW-401, 60 IN.	4.000 EACH	.	.	.	.
0560	2435-0140200 MANHOLE, STORM SEWER, SW-402	10.000 EACH	.	.	.	.
0570	2435-0140300 MANHOLE, STORM SEWER, SW-403	1.000 EACH	.	.	.	.
0580	2435-0140400 MANHOLE, STORM SEWER, SW-404	5.000 EACH	.	.	.	.
0590	2435-0140500 MANHOLE, STORM SEWER, SW-405	2.000 EACH
0600	2435-0250100 INTAKE, SW-501	1.000 EACH

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			Dollars	Cts	Dollars	Cts
0610	2435-0250500 INTAKE, SW-505	14.000 EACH	.		.	
0620	2435-0250600 INTAKE, SW-506	10.000 EACH	.		.	
0630	2435-0250700 INTAKE, SW-507	23.000 EACH	.		.	
0640	2435-0250900 INTAKE, SW-509	50.000 EACH	.		.	
0650	2435-0250910 INTAKE, SW-509 MODIFIED	9.000 EACH	.		.	
0660	2435-0251224 INTAKE, SW-512, 24 IN.	12.000 EACH	.		.	
0670	2435-0400000 DROP CONNECTION, SW-307	1.000 EACH	.		.	
0680	2435-0600010 MANHOLE ADJUSTMENT, MINOR	8.000 EACH	.		.	
0690	2435-0600020 MANHOLE ADJUSTMENT, MAJOR	2.000 EACH	.		.	
0700	2435-0700010 CONNECTION TO EXISTING MANHOLE	4.000 EACH	.		.	
0710	2501-0201517 PILES, STEEL, HP 14 X 117	7,645.000 LF	.		.	

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			Dollars	Cts	Dollars	Cts
0720	2502-8212034 SUBDRAIN, LONGITUDINAL, (SHOULDER) 4 IN. DIA.	 16,362.900 LF	
0730	|2502-8220193 SUBDRAIN |OUTLET (RF-19C)	| 170.000| |EACH	| . |	| . |	| . |	| . |
0740	|2502-8220196 SUBDRAIN |OUTLET, RF-19E	| 4.000| |EACH	| . |	| . |	| . |	| . |
0750	|2503-0114212 STORM |SEWER GRAVITY MAIN, |TRENCHED, REINFORCED |CONCRETE PIPE (RCP), |2000D (CLASS III), 12 IN.	| 12.400| |LF	| . |	| . |	| . |	| . |
0760	|2503-0114218 STORM |SEWER GRAVITY MAIN, |TRENCHED, REINFORCED |CONCRETE PIPE (RCP), |2000D (CLASS III), 18 IN.	| 8,864.870| |LF	| . |	| . |	| . |	| . |
0770	|2503-0114224 STORM |SEWER GRAVITY MAIN, |TRENCHED, REINFORCED |CONCRETE PIPE (RCP), |2000D (CLASS III), 24 IN.	| 3,942.940| |LF	| . |	| . |	| . |	| . |
0780	2503-0114230 STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 2000D (CLASS III), 30 IN.	 1,102.310 LF	

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			Dollars	Cts	Dollars	Cts
0790	2503-0114236 STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 2000D (CLASS III), 36 IN.	 549.490 LF				
0800	|2503-0114418 STORM |SEWER GRAVITY MAIN, |TRENCHED, REINFORCED |CONCRETE PIPE (RCP), |3000D (CLASS IV), 18 IN.	| 255.430| |LF	|	|	|	|
0810	|2503-0114424 STORM |SEWER GRAVITY MAIN, |TRENCHED, REINFORCED |CONCRETE PIPE (RCP), |3000D (CLASS IV), 24 IN.	| 229.740| |LF	|	|	|	|
0820	|2503-0114430 STORM |SEWER GRAVITY MAIN, |TRENCHED, REINFORCED |CONCRETE PIPE (RCP), |3000D (CLASS IV), 30 IN.	| 152.600| |LF	|	|	|	|
0830	|2503-0114436 STORM |SEWER GRAVITY MAIN, |TRENCHED, REINFORCED |CONCRETE PIPE (RCP), |3000D (CLASS IV), 36 IN.	| 737.080| |LF	|	|	|	|
0840	2503-0114448 STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 3000D (CLASS IV), 48 IN.	 229.050 LF				

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			Dollars	Cts	Dollars	Cts
0850	2503-0116437 STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE ARCH PIPE (RCAP), 3000D (CLASS A-IV), 37 IN. X 23 IN.	 115.540 LF
0860	|2503-0200036 REMOVE STORM SEWER PIPE LESS THAN OR EQUAL TO 36 IN.	| 1,111.000| LF	.	.	.	.
0870	|2503-3775024 GATE, OUTLET CONTROL, FLAP, 24 IN.	| 1.000| EACH	.	.	.	.
0880	|2503-3775036 GATE, OUTLET CONTROL, FLAP, 36 IN.	| 1.000| EACH	.	.	.	.
0890	|2504-0116010 SANITARY SEWER GRAVITY MAIN, TRENCHED, DUCTILE IRON PIPE (DIP), 10 IN.	| 933.000| LF	.	.	.	.
0900	|2504-0116018 SANITARY SEWER GRAVITY MAIN, TRENCHED, DUCTILE IRON PIPE (DIP), 18 IN.	| 30.000| LF	.	.	.	.
0910	|2504-0220000 SANITARY SEWER SERVICE RELOCATION	| 7.000| EACH	.	.	.	.
0920	|2504-0240036 REMOVE SANITARY SEWER PIPE LESS THAN OR EQUAL TO 36 IN.	| 1,214.000| LF	.	.	.	.
0930	2504-0240136 REMOVE SANITARY SEWER PIPE GREATER THAN 36 IN.	 1,331.000 LF

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			Dollars	Cts	Dollars	Cts
0940	2505-4008300 STEEL BEAM GUARDRAIL	82.000 LF
0950	2505-4021700 STEEL BEAM GUARDRAIL END TERMINAL	1.000 EACH
0960	2506-4984000 FLOWABLE MORTAR	420.000 CY	.	.	.	.
0970	2507-3250005 ENGINEERING FABRIC	17,678.000 SY	.	.	.	.
0980	2507-6800061 REVETMENT, CLASS E	795.000 TON	.	.	.	.
0990	2510-6745850 REMOVAL OF PAVEMENT	33,249.700 SY	.	.	.	.
1000	2510-6750600 REMOVAL OF INTAKES AND UTILITY ACCESSES	15.000 EACH	.	.	.	.
1010	2511-0302500 RECREATIONAL TRAIL, PORTLAND CEMENT CONCRETE, 5 IN.	9,315.800 SY	.	.	.	.
1020	2511-0302600 RECREATIONAL TRAIL, PORTLAND CEMENT CONCRETE, 6 IN.	260.100 SY	.	.	.	.
1030	2511-0310100 SPECIAL COMPACTION OF SUBGRADE FOR RECREATIONAL TRAIL	100.500 STA

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			Dollars	Cts	Dollars	Cts
1040	2511-6745900 REMOVAL OF SIDEWALK	 258.000 SY				
1050	2511-7526005 SIDEWALK, P.C. CONCRETE, 5 IN.	 2,092.900 SY				
1060	|2511-7526006 SIDEWALK, |P.C. CONCRETE, 6 IN.	| 233.000| |SY	|	|	|	|
1070	|2511-7528101 DETECTABLE |WARNINGS	| 530.000| |SF	|	|	|	|
1080	|2512-1725206 CURB AND |GUTTER, P.C. CONCRETE, 2. |0 FT.	| 490.000| |LF	|	|	|	|
1090	|2513-0001040 CONCRETE |BARRIER, BA-104	| 1,392.700| |LF	|	|	|	|
1100	|2513-0001081 CONCRETE |BARRIER, TAPERED END, |BA-108	| 4.000| |EACH	|	|	|	|
1110	|2515-2475006 DRIVEWAY, |P.C. CONCRETE, 6 IN.	| 1,205.000| |SY	|	|	|	|
1120	|2515-6745600 REMOVAL OF |PAVED DRIVEWAY	| 1,961.000| |SY	|	|	|	|
1130	2518-6891820 PERMANENT ROAD CLOSURE, URBAN, SI-182	 4.000 EACH				
1140	2518-6910000 SAFETY CLOSURE	 7.000 EACH				

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			Dollars	Cts	Dollars	Cts
1150	2519-1001000 FENCE, CHAIN LINK, VINYL COATED , 48 IN. HEIGHT	 650.300 LF	
1160	|2519-1001000 FENCE, |CHAIN LINK, VINYL COATED |, 72 IN. HEIGHT	| 3,120.000| |LF	| . |	| . |	| . |	| . |
1170	|2519-1001000 FENCE, |CHAIN LINK, VINYL COATED |, 72 IN.HEIGHT, ON WALL	| 506.000| |LF	| . |	| . |	| . |	| . |
1180	|2519-1001000 FENCE, |CHAIN LINK, VINYL COATED |, 96 IN. HEIGHT	| 336.500| |LF	| . |	| . |	| . |	| . |
1190	|2519-3300700 FENCE, |TEMPORARY	| 1,000.000| |LF	| . |	| . |	| . |	| . |
1200	|2519-4200120 REMOVAL OF |FENCE, CHAIN LINK	| 3,155.000| |LF	| . |	| . |	| . |	| . |
1210	|2519-4200140 REMOVAL OF |FENCE, FIELD	| 1,295.000| |LF	| . |	| . |	| . |	| . |
1220	|2520-3350015 FIELD |OFFICE	| 1.000| |EACH	| . |	| . |	| . |	| . |
1230	|2525-0000100 TRAFFIC |SIGNALIZATION	| LUMP	| LUMP	| .	| .	| .
1240	2527-9263109 PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	 466.180 STA	

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1250	2527-9263126 PERMANENT TAPE MARKINGS, PROFILED PAVEMENT MARKING TAPE	466.180 STA
1260	2527-9263158 PRE-CUT SYMBOLS AND LEGENDS, INTERSECTION MARKING TAPE	54.000 EACH	.	.	.	.
1270	2527-9270111 GROOVES CUT FOR PAVEMENT MARKINGS	466.180 STA	.	.	.	.
1280	2527-9270120 GROOVES CUT FOR SYMBOLS AND LEGENDS	54.000 EACH	.	.	.	.
1290	2528-8445110 TRAFFIC CONTROL	LUMP	LUMP	.	.	.
1300	2528-8445113 FLAGGERS	50.000 EACH	325.00000	.	16,250.00	.
1310	2529-5070110 PATCHES, FULL-DEPTH FINISH, BY AREA	290.000 SY	.	.	.	.
1320	2529-5070120 PATCHES, FULL-DEPTH FINISH, BY COUNT	4.000 EACH	.	.	.	.
1330	2533-4980005 MOBILIZATION	LUMP	LUMP	.	.	.
1340	2537-8900500 AMENDED SOIL	546.000 CY

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1350	2538-6970010 SALVAGE, REMOVAL, AND DISPOSAL OF OBSTRUCTIONS	LUMP	LUMP			.
1360	2546-1000100 GABIONS OR MATTRESSES	70.000 CY		.		.
1370	2549-0006310 RUBBER CHIMNEY SEAL	9.000 EACH		.		.
1380	2552-0000210 TRENCH FOUNDATION	265.000 TON		.		.
1390	2552-0000220 REPLACEMENT OF UNSUITABLE BACKFILL MATERIAL	5,000.000 CY		.		.
1400	2554-0112008 WATER MAIN, TRENCHED, DUCTILE IRON PIPE (DIP), 8 IN.	645.000 LF		.		.
1410	2554-0112016 WATER MAIN, TRENCHED, DUCTILE IRON PIPE (DIP), 16 IN.	2,750.000 LF		.		.
1420	2554-0114008 WATER MAIN, TRENCHED, POLYVINYL CHLORIDE PIPE (PVC), 8 IN.	1,140.000 LF		.		.
1430	2554-0114016 WATER MAIN, TRENCHED, POLYVINYL CHLORIDE PIPE (PVC), 16 IN.	8.000 LF		.		.

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1440	2554-0142016 WATER MAIN WITH CASING PIPE, TRENCHLESS, DUCTILE IRON PIPE (DIP), 16 IN.	 165.000 LF	
1450	|2554-0203000 FITTINGS |BY WEIGHT, DUCTILE IRON	| 4,871.000| |LB	| . |	| . |	| . |	| . |
1460	|2554-0207006 VALVE, |GATE, DIP, 6 IN.	| 2.000| |EACH	| . |	| . |	| . |	| . |
1470	|2554-0207008 VALVE, |GATE, DIP, 8 IN.	| 1.000| |EACH	| . |	| . |	| . |	| . |
1480	|2554-0210201 FIRE |HYDRANT ASSEMBLY, WM-201	| 17.000| |EACH	| . |	| . |	| . |	| . |
1490	|2554-0212020 VALVE BOX |EXTENSION	| 2.000| |EACH	| . |	| . |	| . |	| . |
1500	|2555-0000010 DELIVER |AND STOCKPILE SALVAGED |MATERIALS	| LUMP |	| LUMP |	| LUMP |	| LUMP |	| LUMP|
1510	|2595-0000010 RAILROAD |INSURANCE PROVISIONS , |NS	| LUMP |	| LUMP |	| LUMP |	| LUMP |	| LUMP|
1520	2595-0000100 UPRR INSURANCE PROVISIONS	 LUMP 	 LUMP 	 LUMP 	 LUMP 	 LUMP
1530	2595-7400200 REMOVAL OF RAILROAD TRACK	 1,370.000 TLF	

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Line No	Item Number Item Description	Item Quantity and Unit	Unit Price		Bid Amount	
			Dollars	Cts	Dollars	Cts
1540	2599-9999003 ('CUBIC YARDS' ITEM) SUBSURFACE RUBBLE REMOVAL	2,000.000 CY	.		.	
1550	2599-9999005 ('EACH' ITEM) ADJUST STOP BOX TO NEW GRADE	2.000 EACH	.		.	
1560	2599-9999005 ('EACH' ITEM) CATHODIC PROTECTION TEST STATION	2.000 EACH	.		.	
1570	2599-9999005 ('EACH' ITEM) CHECK DEPTH OF WATER SERVICE	3.000 EACH	.		.	
1580	2599-9999005 ('EACH' ITEM) CONCRETE BARRIER WITH TAPERED END	4.000 EACH	.		.	
1590	2599-9999005 ('EACH' ITEM) CONCRETE COLLAR	1.000 EACH	.		.	
1600	2599-9999005 ('EACH' ITEM) CONCRETE PLUG	7.000 EACH	.		.	
1610	2599-9999005 ('EACH' ITEM) FIRE HYDRANT ON EXISTING WATER MAIN	1.000 EACH	.		.	
1620	2599-9999005 ('EACH' ITEM) FLOWERS, AS PER PLAN	5,870.000 EACH	.		.	
1630	2599-9999005 ('EACH' ITEM) HEADWALL, 24 IN.	1.000 EACH	.		.	
1640	2599-9999005 ('EACH' ITEM) HEADWALL, 36 IN.	1.000 EACH	.		.	

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UNIT BIDS MUST BE TYPED OR SHOWN IN INK OR THE BID WILL BE REJECTED.

Line No	Item Number Item Description	Item Quantity and Unit	Unit Price		Bid Amount	
			Dollars	Cts	Dollars	Cts
1650	2599-9999005 ('EACH' ITEM) ISOLATION COUPLING, 16 IN.	1.000 EACH	.		.	
1660	2599-9999005 ('EACH' ITEM) ISOLATION COUPLING, 8 IN.	1.000 EACH	.		.	
1670	2599-9999005 ('EACH' ITEM) LOWER WATER SERVICE	2.000 EACH	.		.	
1680	2599-9999005 ('EACH' ITEM) MAGNESIUM ANODE, 32 LB.	71.000 EACH	.		.	
1690	2599-9999005 ('EACH' ITEM) MASONRY BENCH	3.000 EACH	.		.	
1700	2599-9999005 ('EACH' ITEM) MASONRY PIER	17.000 EACH	.		.	
1710	2599-9999005 ('EACH' ITEM) PLANT BULBS	511.000 EACH	.		.	
1720	2599-9999005 ('EACH' ITEM) PREPARE EXCAVATION FOR TAPPING SLEEVE	4.000 EACH	.		.	
1730	2599-9999005 ('EACH' ITEM) RELOCATE CHAIN LINK GATE	3.000 EACH	.		.	
1740	2599-9999005 ('EACH' ITEM) REMOVAL OF FIRE HYDRANT ON ABANDONED MAIN	8.000 EACH	.		.	

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UNIT BIDS MUST BE TYPED OR SHOWN IN INK OR THE BID WILL BE REJECTED.

Line No	Item Number Item Description	Item Quantity and Unit	Unit Price		Bid Amount	
			Dollars	Cts	Dollars	Cts
1750	|2599-9999005 ('EACH' ITEM) REMOVAL OF FIRE HYDRANT ON EXISTING MAIN	2.000 EACH	.		.	
1760	|2599-9999005 ('EACH' ITEM) SANITARY SEWER, CLASS 4 LINE REINFORCED CONCRETE, 66 IN X 54 IN. REDUCER	1.000 EACH	.		.	
1770	|2599-9999005 ('EACH' ITEM) SANITARY SEWER, CLASS 4 LINED REINFORCED CONCRETE, 54 IN X 42 IN. REDUCER	1.000 EACH	.		.	
1780	|2599-9999005 ('EACH' ITEM) TAPPING SLEEVE AND VALVE, 48 IN. X 16 IN	1.000 EACH	.		.	
1790	|2599-9999005 ('EACH' ITEM) TREE DRAINAGE WELL	79.000 EACH	.		.	
1800	|2599-9999005 ('EACH' ITEM) VALVE GATE, DIP, 16 IN.	3.000 EACH	.		.	
1810	|2599-9999005 ('EACH' ITEM) WATER SERVICE TRANSFER, 1 IN.	3.000 EACH	.		.	
1820	2599-9999005 ('EACH' ITEM) WATER SERVICE TRANSFER, 2 IN.	2.000 EACH	.		.	
1830	2599-9999005 ('EACH' ITEM) WATER SERVICE TRANSFER, 4 IN.	2.000 EACH	.		.	

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UNIT BIDS MUST BE TYPED OR SHOWN IN INK OR THE BID WILL BE REJECTED.

Line No	Item Number Item Description	Item Quantity and Unit	Unit Price		Bid Amount	
			Dollars	Cts	Dollars	Cts
1840	2599-9999005 ('EACH' ITEM) WATER SERVICE TRANSFER, 6 IN.	1.000 EACH	.		.	
1850	2599-9999005 ('EACH' ITEM) WATER SERVICE, 12 IN.	1.000 EACH	.		.	
1860	2599-9999009 ('LINEAR FEET' ITEM) CLASS R-4 NON-REINFORCED CONCRETE ARCH	390.000 LF	.		.	
1870	2599-9999009 ('LINEAR FEET' ITEM) ELECTRICAL CONDUIT, TRENCHED, 4 IN.	485.000 LF	.		.	
1880	2599-9999009 ('LINEAR FEET' ITEM) ELECTRICAL CONDUIT, TRENCHED, 6 IN.	1,180.000 LF	.		.	
1890	2599-9999009 ('LINEAR FEET' ITEM) LIMESTONE EDGER	1,536.000 LF	.		.	
1900	2599-9999009 ('LINEAR FEET' ITEM) PILE CASING, CMP, 24 IN.	2,812.000 LF	.		.	
1910	2599-9999009 ('LINEAR FEET' ITEM) REMOVAL OF WATER MAIN	1,630.000 LF	.		.	
1920	2599-9999009 ('LINEAR FEET' ITEM) REMOVE ABANDONED HP GAS MAIN	700.000 LF	.		.	

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UNIT BIDS MUST BE TYPED OR SHOWN IN INK OR THE BID WILL BE REJECTED.

Line No	Item Number	Item Description	Item Quantity and Unit	Unit Price		Bid Amount	
				Dollars	Cts	Dollars	Cts
1930	2599-9999009 ('LINEAR FEET' ITEM)	SANITARY SEWER, CLASS 4 LINED REINFORCED CONCRETE, 42 IN.	266.000 LF				
1940	2599-9999009 ('LINEAR FEET' ITEM)	SANITARY SEWER, CLASS 4 LINED REINFORCED CONCRETE, 66 IN.	762.000 LF				
1950	2599-9999009 ('LINEAR FEET' ITEM)	SANITARY SEWER, CLASS 5 LINED REINFORCED CONCRETE, 42 IN.	459.000 LF				
1960	2599-9999009 ('LINEAR FEET' ITEM)	SANITARY SEWER, CLASS 5 LINED REINFORCED CONCRETE, 66 IN.	220.000 LF				
1970	2599-9999009 ('LINEAR FEET' ITEM)	TREE PROTECTION, FENCE	2,645.000 LF				
1980	2599-9999010 ('LUMP SUM' ITEM)	FIRE HYDRANT RELOCATION	LUMP	LUMP			
1990	2599-9999010 ('LUMP SUM' ITEM)	INTERMEDIATE FOUNDATION IMPROVEMENT	LUMP	LUMP			
2000	2599-9999010 ('LUMP SUM' ITEM)	INTERMEDIATE FOUNDATION IMPROVEMENT VERIFICATION TESTING	LUMP	LUMP			

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UNIT BIDS MUST BE TYPED OR SHOWN IN INK OR THE BID WILL BE REJECTED.

Line No	Item Number Item Description	Item Quantity and Unit	Unit Price		Bid Amount	
			Dollars	Cts	Dollars	Cts
2010	|2599-9999010 ('LUMP SUM' ITEM) REMOVE AND REPLACE PICKET FENCE	|LUMP	|LUMP	|	|	|
2020	|2599-9999010 ('LUMP SUM' ITEM) REMOVE, SALVAGE, RESET MANHOLE RISER	|LUMP	|LUMP	|	|	|
2030	|2599-9999010 ('LUMP SUM' ITEM) ROADWAY ELECTRICAL	|LUMP	|LUMP	|	|	|
2040	|2599-9999010 ('LUMP SUM' ITEM) ROADWAY LIGHTING	|LUMP	|LUMP	|	|	|
2050	|2599-9999010 ('LUMP SUM' ITEM) STORMWATER POLLUTION PREVENTION PLAN AND MAINTENANCE	|LUMP	|LUMP	|	|	|
2060	|2599-9999010 ('LUMP SUM' ITEM) SURFACE RUBBLE REMOVAL	|LUMP	|LUMP	|	|	|
2070	|2599-9999010 ('LUMP SUM' ITEM) TREE PROTECTION	|LUMP	|LUMP	|	|	|
2080	|2599-9999010 ('LUMP SUM' ITEM) VIDEO INSPECTION OF STORM SEWER	|LUMP	|LUMP	|	|	|
2090	2599-9999010 ('LUMP SUM' ITEM) WASTEWATER PUMPING	LUMP	LUMP			
2100	2599-9999018 ('SQUARE YARDS' ITEM) P.C. CONCRETE FENCE FOOTING	SY	90.000			

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UNIT BIDS MUST BE TYPED OR SHOWN IN INK OR THE BID WILL BE REJECTED.

Line No	Item Number Item Description	Item Quantity and Unit	Unit Price		Bid Amount	
			Dollars	Cts	Dollars	Cts
2110	2599-9999018 ('SQUARE YARDS' ITEM) P.C. CONCRETE FLUME	104.000 SY	.		.	
2120	2599-9999018 ('SQUARE YARDS' ITEM) SIDEWALK, P.C. CONCRETE, REINFORCED, 12 IN.	1,618.400 SY	.		.	
2130	2599-9999018 ('SQUARE YARDS' ITEM) SLOPE PROTECTION, STRAW MAT	73,000.000 SY	.		.	
2140	2599-9999020 ('TONS' ITEM) FOUNDATION ROCK	50.000 TON	.		.	
2150	2599-9999020 ('TONS' ITEM) MACADAM STONE FILL	30,682.000 TON	.		.	
2160	2599-9999020 ('TONS' ITEM) SURFACING, ASPHALT MILLINGS	300.000 TON	.		.	
2170	2601-2633100 MOWING	219.500 ACRE	.		.	
2180	2601-2634100 MULCHING	54.000 ACRE	700.00000		37,800.00	
2190	2601-2634105 MULCHING, BONDED FIBER MATRIX	32.400 ACRE	.		.	
2200	2601-2636015 NATIVE GRASS SEEDING	10.000 ACRE	.		.	

PROPOSAL SCHEDULE OF PRICES

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UNIT BIDS MUST BE TYPED OR SHOWN IN INK OR THE BID WILL BE REJECTED.

Line No	Item Number Item Description	Item Quantity and Unit	Unit Price		Bid Amount	
			Dollars	Cts	Dollars	Cts
2210	|2601-2636044 SEEDING |AND FERTILIZING (URBAN)	| 35.740| |ACRE	|	|	|	|
2220	|2601-2638620 MACADAM |STONE SLOPE PROTECTION	| 600.000| |SY	|	|	|	|
2230	|2601-2639010 SODDING	| 1,910.000| |SQ	|	|	|	|
2240	|2601-2642120 |STABILIZING CROP - |SEEDING AND FERTILIZING |(URBAN)	| 54.000| |ACRE	|	|	|	|
2250	|2601-2643110 WATERING |FOR SOD, SPECIAL DITCH |CONTROL, OR SLOPE |PROTECTION	| 1,146.000| |MGAL	|	60.00000|	|	68,760.00
2260	|2602-0000020 SILT FENCE	| 34,655.000| |LF	|	|	|	|
2270	|2602-0000030 SILT FENCE |FOR DITCH CHECKS	| 4,200.000| |LF	|	|	|	|
2280	|2602-0000050 SILT |BASINS	| 2.000| |EACH	|	|	|	|
2290	|2602-0000071 REMOVAL OF |SILT FENCE OR SILT FENCE |FOR DITCH CHECKS	| 19,428.000| |LF	|	|	|	|
2300	2602-0000101 MAINTENANCE OF SILT FENCE OR SILT FENCE FOR DITCH CHECK	 3,886.000 LF				

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UNIT BIDS MUST BE TYPED OR SHOWN IN INK OR THE BID WILL BE REJECTED.

Line No	Item Number Item Description	Item Quantity and Unit	Unit Price		Bid Amount	
			Dollars	Cts	Dollars	Cts
2310	|2602-0000212 FLOATING |SILT CURTAIN (HANGING)	| 1,700.000| |LF	|	|	|	|
2320	|2602-0000312 PERIMETER |AND SLOPE SEDIMENT |CONTROL DEVICE, 12 IN. |DIA.	| 6,543.000| |LF	|	|	|	|
2330	|2602-0000320 PERIMETER |AND SLOPE SEDIMENT |CONTROL DEVICE, 20 IN. |DIA.	| 760.000| |LF	|	|	|	|
2340	|2602-0000350 REMOVAL OF |PERIMETER AND SLOPE |SEDIMENT CONTROL DEVICE	| 2,297.000| |LF	|	|	|	|
2350	|2602-0010010 |MOBILIZATIONS, EROSION |CONTROL	| 20.000| |EACH	|	500.00000|	|	10,000.00
2360	|2602-0010020 |MOBILIZATIONS, EMERGENCY |EROSION CONTROL	| 8.000| |EACH	|	1,000.00000|	|	8,000.00
2370	|2610-0000110 SHRUBS	| 469.000| |EACH	|	|	|	|
2380	|2610-0000120 TREES	| 316.000| |EACH	|	|	|	|
2390	2610-0000400 WATERING FOR PLANTS	 397.000 MGAL				
	SECTION 0001 TOTAL					
	ITEMS TOTAL (A)					

PROPOSAL SCHEDULE OF PRICES

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UNIT BIDS MUST BE TYPED OR SHOWN IN INK OR THE BID WILL BE REJECTED.

Line No	Item Number Item Description	Item Quantity and Unit	Unit Price Dollars Cts	Bid Amount Dollars Cts
		NUMBER OF CALENDAR DAYS BID	ROAD USER COST PER CALENDAR DAY	TOTAL AMOUNT OF TIME BID (B)
Section: BID TIME COST PLUS TIME SITES				
SITE 04		_____ .0	843.00	_____ .00
	A + B RAILROAD FLAGGERS FOR UPRR			
SITE 05		_____ .0	430.00	_____ .00
	A + B RAILROAD FLAGGERS FOR NS			
	TIME TOTAL (B)			.
	TOTAL BID (A + B)			.

PROPOSAL ADDENDUM INFORMATION

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When this proposal is used for bidding purposes and submitted with the proper Bidding Document, any and all items on separate documents added to this proposal by addendum must also be included.

Only the bid proposal holders receive addendums issued for this proposal and responsibility for notifying any potential subcontractors or suppliers remains with the bid proposal holder.

PROPOSAL SPECIAL PROVISIONS LIST

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Note	Description
001.2012	SERIES 2012 OF IDOT STANDARD SPECIFICATIONS, PLUS APPLICABLE
005.0012	GS, DS'S, SS'S, OR SP'S SHALL APPLY TO WORK ON THIS CONTRACT
005.12002.02	PROTECTION OF MIGRATORY BIRD NESTS: NO CONSTRUCTION WHERE
005.2120	ACTIVE NESTS ARE PRESENT.
410.11	REVISIONS TO GS-12002
500.07.2013	A FUEL ADJUSTMENT FACTOR WILL BE APPLIED TO PAYMENTS ON THIS
500.07.2014	CONTRACT PER SECTION 2120 OF THE STANDARD SPECIFICATIONS
500.07.2015	A STORM WATER POLLUTION PREVENTION PLAN HAS BEEN DEVELOPED
660.26	FOR ONE OR MORE PROJECTS ON THIS CONTRACT
720.303	FREE WINTER WORK WILL BE ALLOWED DURING WINTER OF 2013/2014
720.501	FREE WINTER WORK WILL BE ALLOWED DURING WINTER OF 2014/2015
DS-12007	FREE WINTER WORK WILL BE ALLOWED DURING WINTER OF 2015/2016
DS-12008	SPECIALTY ITEM - TRAFFIC SIGNALIZATION AND/OR TRAFFIC SIGNAL
DS-12027	INSTALLATION
DS-12028	ATTACHMENT FOR RAILROAD DATA--PUBLIC LIABILITY & PROPERTY
FHWA-1273.05	DAMAGE INSURANCE WHEN WORKING IN RAILROAD R-O-W.
GS-12002	ATTACHMENT OF THE "PROJECT DEVELOPMENT CERTIFICATION"
IA13-1.0	LISTING RIGHT-OF-WAY ACQUISITION EXCEPTIONS.
SP-121021	CONSTRUCTION PROGRESS SCHEDULE
SP-121022	CONSTRUCTION WORK ON RAILROAD RIGHT-OF-WAY WITH A+B FOR
SP-121023	BIDDING RAILROAD FLAGGERS (UNION PACIFIC RAILROAD)
SP-121024	PCC PAVEMENT NON-DESTRUCTIVE THICKNESS DETERMINATION
SP-121025	FLOATING SILT CURTAIN
SP-121026	FHWA-1273: REQUIRED CONTRACT PROVISIONS
SP-121027	FEDERAL-AID CONSTRUCTION CONTRACTS
SP-121028	GENERAL SUPPLEMENTAL SPECIFICATIONS FOR HIGHWAY AND BRIDGE
SP-121029	CONSTRUCTION
SP-121030	HIGHWAY WAGE RATES: IA130001
	STATEWIDE (EXCEPT SCOTT COUNTY)
	HIGH PERFORMANCE COATINGS
	POLK COUNTY NHS-U-1945(409)--8G-77
	TREE PROTECTION
	POLK COUNTY NHS-U-1945(409)--8G-77
	MASONRY
	POLK COUNTY NHS-U-1945(409)--8G-77
	ROADWAY ELECTRICAL
	POLK COUNTY NHS-U-1945(409)--8G-77
	ROADWAY LIGHTING
	POLK COUNTY NHS-U-1945(409)--8G-77
	TRAFFIC SIGNALS
	POLK COUNTY NHS-U-1945(409)--8G-77
	INTERMEDIATE FOUNDATION IMPROVEMENTS
	POLK COUNTY NHS-U-1945(409)--8G-77
	CONSTRUCTION WORK ON RAILROAD ROW (NORFOLK SOUTHERN RR)
	POLK COUNTY NHS-U-1945(409)--8G-77
	LARGE DIAMETER SANITARY SEWER
	POLK COUNTY NHS-U-1945(409)--8G-77
	WATER MAIN
	POLK COUNTY NHS-U-1945(409)--8G-77

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 Note Description

001.2012

*** STANDARD SPECIFICATIONS -- SERIES 2012 ***
 The Iowa Department of Transportation STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, SERIES 2012, plus applicable General Supplemental Specifications, Developmental Specifications, Supplemental Specifications AND Special Provisions shall apply to construction work on this contract.

005.0012

*** ACTIVE NESTS OF MIGRATORY BIRDS ***
 To protect migratory birds, do not conduct construction activities where active nests are present between the dates of April 1 and July 15, inclusive or until the birds have fledged and left the nest. Active nests are nests containing eggs or young of migratory birds. The contractor shall remove all non-active, existing migratory bird nests and monitor to prevent the establishment of active nests.

If evidence of migratory bird nesting is discovered after beginning work, or in the event that migratory birds nests become established, immediately stop work and notify the Engineer. The contractor will not be compensated for any delays or costs associated with the presence of an active nest on the project.

005.12002.02

*** REVISIONS TO GS-12002 ***

>>> Delete Article 1102.17, E, 3, b, 3) Bidders with History of Utilizing DBE's.

>>> Replace the first sentence of Article 1102.17, E, 3, b, 4), b) with the following:
 . Within 2 business days after the deadline for bid submittal,
 . the Department will use the two Good Faith Effort methods to
 . determine which bidders have made a Good Faith Effort to
 . meet the DBE goal on each proposal for which bids were
 . received.

>>> Replace the last paragraph of Article 1109.05, E with the following:
 . Failure to comply with Article 1109.05, B may result in price
 . adjustment credits, or suspension of bidding qualification in
 . accord with Article 1102.03, A, 2.

>>> Replace Article 2303.03, D, 4, b with the following:
 . b. Longitudinal Joint Compaction.
 . 1) When PWL is used for Class I field voids acceptance,
 . obtain and test samples using a nominal 6-inch (150 mm)
 . diameter bit from the centerline joint as follows:

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 Note Description

- . a) When the two lanes forming a centerline joint are
- . paved in separate operations (cold joint present)
- . i) Unconfined Edge
- . Sample such that the entire core is within 6
- . inches of the unconfined edge.
- . ii) Confined Edge
- . Sample such that the entire core is within 6
- . inches of the visible line between the two
- . lanes.
- . b) When the two lanes forming a centerline joint are
- . paved concurrently in the same operation (cold joint
- . eliminated), take samples centered directly on the
- . visible line between the two lanes.
- . 2) Using the random core locations determined for the field
- . voids lot, the Engineer will randomly select four of
- . these locations to be sampled for joint density.
- . 3) Informational joint cores may be waived by the Engineer
- . when conditions are not ideal or conditions are not
- . suitable for continuous paving.
- . 4) Include results on the daily plant report.
- . >>> Replace Article 2502.03, C, 10 with the following:
- . 10. Use trench rollers with a minimum trench wheel weight
- . (mass) of 6000 pounds (2700 kg).
- . >>> Article 2601.02, A, add the following paragraph:
- . 1. The Iowa DOT has learned that Birdsfoot Trefoil has a limited
- . availability for the 2013 construction season and this is
- . resulting in exceedingly high seed costs for the small amounts
- . of seed. To address this, Medium Red Clover will be allowed
- . as a substitute for Birdsfoot Trefoil on a pound-for-pound
- . basis. So for a specified mix that contains 5 lbs. of
- . Birdsfoot Trefoil, the Contractor can substitute of 5 lbs. of
- . Medium Red Clover.

005.2120
 *** FUEL ADJUSTMENT ***
 A fuel adjustment factor will be applied to payments on this contract
 in accordance with section 2120 of the standard specifications.

410.11
 *** STORM WATER POLLUTION PREVENTION PLAN ***
 A Storm Water Pollution Prevention Plan has been developed by the
 Contracting Authority for one or more projects on this contract.
 See the project plans (or other contract document) for specific Storm
 Water Pollution Prevention Plan details.

500.07.2013
 *** WINTER WORK ***

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Note Description

Winter work will be allowed during the winter of 2013/2014.
No working days will be charged between November 15, 2013 and
April 1, 2014.

500.07.2014

*** WINTER WORK ***

Winter work will be allowed during the winter of 2014/2015.
No working days will be charged between November 15, 2014 and
April 1, 2015.

500.07.2015

*** WINTER WORK ***

Winter work will be allowed during the winter of 2015/2016.
No working days will be charged between November 15, 2015 and
April 1, 2016.

660.26

*** SPECIALTY ITEM ***

The item 'TRAFFIC SIGNALIZATION' and/or 'TRAFFIC SIGNAL INSTALLATION'
is considered a specialty item for this project.

When performed by subcontract, the cost of the specialty item/s so
performed by subcontract may be deducted from the total cost before
computing the amount of work required to be performed by the Prime
Contractor with his/her own organization. Refer to Article 1108.01
of the Standard Specifications.

720.303

*** RAILROAD DATA ***

This Estimating Proposal has an attachment for "RAILROAD DATA". The
Insurance per Article 1107.02, B, "Insurance When Working In Railroad
Right-of-Way", of the Standard Specifications or as amended by other
contract documents is required. For the purpose of Conformity with and
Coordination of the Contract Documents, Article 1105.04, the information
on the data sheet is considered equivalent to the Standard
Specifications.

720.501

*** PROJECT DEVELOPMENT CERTIFICATION ***

This Estimating Proposal has an attachment for "PROJECT
DEVELOPMENT CERTIFICATION" that shows right-of-way acquisition
exceptions. This attachment is a part of the proposal form.

DS-12007

October 16, 2012

DEVELOPMENTAL SPECIFICATIONS FOR CONSTRUCTION PROGRESS SCHEDULE

DS-12008

October 16, 2012

DEVELOPMENTAL SPECIFICATIONS FOR CONSTRUCTION WORK ON RAILROAD
RIGHT-OF-WAY WITH A+B FOR BIDDING RAILROAD FLAGGERS (UNION PACIFIC

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 Note Description

RAILROAD)

DS-12027 October 16, 2012
 DEVELOPMENTAL SPECIFICATIONS FOR PCC PAVEMENT NON-DESTRUCTIVE THICKNESS
 DETERMINATION

DS-12028 October 16, 2012
 DEVELOPMENTAL SPECIFICATIONS FOR FLOATING SILT CURTAIN

FHWA-1273.05 May 01, 2012
 FHWA-1273: REQUIRED CONTRACT PROVISIONS
 FEDERAL-AID CONSTRUCTION CONTRACTS

GS-12002 April 16, 2013
 GENERAL SUPPLEMENTAL SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION

IA13-1.0 January 04, 2013
 PREDETERMINED WAGE RATE - GENERAL DECISION NUMBER IA130001
 FOR HEAVY AND HIGHWAY CONSTRUCTION -- STATEWIDE (EXCEPT SCOTT COUNTY)
 . Note: The Contractor shall review the contract documents and
 . is responsible for identifying which zone(s), as defined
 . in the Predetermined Wage Rate specification, apply to
 . the work on the contract.

*** Additional Requirement ***
 The Prime Contractor shall submit certified payrolls for itself and
 each approved Subcontractor weekly to the Project Engineer. The
 Contractor may use the Iowa D.O.T. Certified Payroll form or other
 approved form. The Contractor shall list the craft for each employee
 covered by the Predetermined Wage Rates. The Prime Contractor shall
 sign each of the Subcontractor's payrolls to acknowledge the submittal
 of the Certified Payroll.

SP-121021 May 21, 2013
 SPECIAL PROVISIONS FOR HIGH PERFORMANCE COATINGS

 Polk County NHS-U-1945(409)--8G-77

SP-121022 May 21, 2013
 SPECIAL PROVISIONS FOR TREE PROTECTION

 Polk County NHS-U-1945(409)--8G-77

SP-121023 May 21, 2013
 SPECIAL PROVISIONS FOR MASONRY

 Polk County NHS-U-1945(409)--8G-77

SP-121024 May 21, 2013

Proposal ID No.:	77-1945-409	Bid Order No.:	111
Primary Work Type:	PCC PAVEMENT - GRADE AND NEW	Letting Date:	May 21, 2013
Primary County:	POLK		10:00 A.M.

 Note Description

SPECIAL PROVISIONS FOR ROADWAY ELECTRICAL

Polk County NHS-U-1945(409)--8G-77

SP-121025 May 21, 2013
 SPECIAL PROVISIONS FOR ROADWAY LIGHTING

Polk County NHS-U-1945(409)--8G-77

SP-121026 May 21, 2013
 SPECIAL PROVISIONS FOR TRAFFIC SIGNALS

Polk County NHS-U-1945(409)--8G-77

SP-121027 May 21, 2013
 SPECIAL PROVISIONS FOR INTERMEDIATE FOUNDATION IMPROVEMENTS

Polk County NHS-U-1945(409)--8G-77

SP-121028 May 21, 2013
 SPECIAL PROVISIONS FOR CONSTRUCTION WORK ON RAILROAD RIGHT-OF-WAY
 (NORFOLK SOUTHERN RAILROAD)

Polk County NHS-U-1945(409)--8G-77

SP-121029 May 21, 2013
 SPECIAL PROVISIONS FOR LARGE DIAMETER SANITARY SEWER

Polk County NHS-U-1945(409)--8G-77

SP-121030 May 21, 2013
 SPECIAL PROVISIONS FOR WATER MAIN

Polk County NHS-U-1945(409)--8G-77

A d d e n d u m

Iowa Department of Transportation
Office of Contracts

Date of Letting: May 21, 2013
Date of Addendum: May 14, 2013

B.O.	Proposal ID	Proposal Work Type	County	Project Number	Addendum
111	77-1945-409	PCC PAVEMENT - GRADE AND NEW	POLK	NHS-U-1945(409)--8G-77	21MAY111.A02

Notice: Only the bid proposal holders receive this addendum and responsibility for notifying any potential subcontractors or suppliers remains with the proposal holder.

Make the following changes to the PROPOSAL SCHEDULE OF PRICES:

Change Proposal Line No. 0020 2102-0425070 SPECIAL BACKFILL:
From: 11,024.000 TON
To: 11,048.000 TON

Change Proposal Line No. 0030 2102-2710070 EXCAVATION, CLASS 10, ROADWAY AND
BORROW:
From: 498,899.000 CY
To: 502,276.000 CY

Change Proposal Line No. 0070 2105-8425005 TOPSOIL, FURNISH AND SPREAD:
From: 23,046.000 CY
To: 23,121.000 CY

Change Proposal Line No. 0100 2107-0875000 COMPACTION WITH MOISTURE AND
DENSITY CONTROL:
From: 457,141.000 CY
To: 464,332.000 CY

Change Proposal Line No. 0330 2403-0100020 STRUCTURAL CONCRETE (RCB
CULVERT):
From: 224.000 CY
To: 232.400 CY

Change Proposal Line No. 0340 2404-7775000 REINFORCING STEEL:
From: 39,133.000 LB
To: 40,679.000 LB

Change Proposal Line No. 0760 2503-0114218 STORM SEWER GRAVITY MAIN,
TRENCHED, REINFORCED CONCRETE PIPE (RCP), 2000D (CLASS III), 18 IN.:
From: 8,864.870 LF
To: 8,897.270 LF

Change Proposal Line No. 0770 2503-0114224 STORM SEWER GRAVITY MAIN,
TRENCHED, REINFORCED CONCRETE PIPE (RCP), 2000D (CLASS III), 24 IN.:

From: 3,942.940 LF

To: 3,902.050 LF

Change Proposal Line No. 0970 2507-3250005 ENGINEERING FABRIC:

From: 17,678.000 SY

To: 16,678.000 SY

Change Proposal Line No. 0980 2507-6800061 REVETMENT, CLASS E:

From: 795.000 TON

To: 657.000 TON

Change Proposal Line No. 1110 2515-2475006 DRIVEWAY, P.C. CONCRETE, 6 IN.:

From: 1,205.000 SY

To: 1,179.500 SY

Change Proposal Line No. 2130 2599-9999018 ('SQUARE YARDS' ITEM) SLOPE
PROTECTION, STRAW MAT:

From: 73,000.000 SY

To: 75,182.000 SY

Change Proposal Line No. 2150 2599-9999020 ('TONS' ITEM) MACADAM STONE:

From: 30,682.000 TON

To: 31,241.000 TON

Change Proposal Line No. 2260 2602-0000020 SILT FENCE:

From: 34,655.000 LF

To: 34,750.000 LF

Change Proposal Line No. 2310 2602-0000212 FLOATING SILT CURTAIN (HANGING):

From: 1,700.000 LF

To: 1,800.000 LF

If the above changes are not made, they will be made as shown here.

Make the following change to the Proposal:

Delete DS-12027, PCC PAVEMENT NON-DESTRUCTIVE THICKNESS DETERMINATION,
from the Proposal Special Provisions Text and the Proposal Special Provisions List.

Make the following change to the Plan Sheets:

Replace the following Plan Sheets: C.01-C.05, C.26, CS.01-CS.05, D.11- D.13, K.10-K.12,
M.01, M.02, M.14-M.17, M.33, M.40, T.05-T.10, U.11-U.19, and W.103-W.133 with the
attached Plan Sheets C.01-C.05, C.26, CS.01-CS.05, D.11- D.13, K.10-K.12, M.01, M.02, M.14-
M.17, M.33, M.40, T.05-T.10, U.11-U.19, and W.103-W.133.

The following information applies to the MSE wall portion of this project:

	501+00	601+00	701+00	801+00	
	UP West	UP East	NS West	NS East	Total
MSE Wall, sq ft	37,928	8,265	11,894	8,599	66,686
MSE Wall Backfill, cu ft	1,126,448	278,483	463,296	302,405	2,170,632
MSE Wall Backfill, tons	70,403	17,405	28,956	18,900	135,665

ESTIMATED PROJECT QUANTITIES

Division 1: SE 15TH ST TO SE 23RD ST
Division 2: SE 23RD ST TO SE 30TH ST
Division 3: DWA

Item No.	Item Code	Item	Unit	Quantities			
				Division 1	Division 2	Division 3	Total
1	2101-0050001	CLEARING AND GRUBBING	ACRE	11.87	9.07		20.94
2	2102-0425070	SPECIAL BACKFILL	TON		11048		11048
3	2102-2710070	EXCAVATION, CLASS 10, ROADWAY AND BORROW	CY	394199	108077		502276
4	2102-2710080	EXCAVATION, CLASS 10, UNSUITABLE OR UNSTABLE MATERIAL	CY	1000	1000		2000
5	2102-272015	EXCAVATION, CLASS 10, Boulders or Rock Fragments	CY	1200	1000		2200
6	2104-2710010	EXCAVATION, CLASS 10, CHANGE	CY		350		350
7	2105-0425085	TOPSOIL, FURNISH AND SPREAD	CY	18863	5058		23921
8	2105-0425015	TOPSOIL, STRIP, SALVAGE AND SPREAD	CY	9287	6754		15041
9	2107-0425020	COMPACTING BACKFILL ADJACENT TO BRIDGES, CURVERTS OR STRUCTURES	CY		156		156
10	2107-0075000	COMPACTING WITH MOISTURE AND DENSITY CONTROL	CY	356491	107841		464332
11	2113-0001100	SUBGRADE STABILIZATION MATERIAL, POLYMER GRID	SV	3000			3000
12	2115-0100000	MODIFIED SUBBASE	CY	40672	30780		71452
13	2123-7450000	SHOULDER CONSTRUCTION, EARTH	STA	80	64		144
14	2213-2723300	EXCAVATION, CLASS 13, FOR WIDENING	CY		1052		1052
15	2213-0745500	REMOVAL OF CURB	STA	0.07	1.6		1.67
16	2213-7100000	RELOCATION OF MAIL BOXES	EACH		4		4
17	2213-8200000	BASE WIDENING, HOT MIX ASPHALT MIXTURE	TON		820		820
18	2213-8220000	BASE WIDENING, 8 IN. PORTLAND CEMENT CONCRETE	SV		1885		1885
19	2301-0690200	BRIDGE APPROACH, RK-20	SV	1192			1192
20	2301-1033000	STANDARD OR SLIP FORM PORTLAND CEMENT CONCRETE PAVEMENT, CLASS C, CLASS 3 DURABILITY, 8 IN.	SV	232	2395		2627
21	2301-1033100	STANDARD OR SLIP FORM PORTLAND CEMENT CONCRETE PAVEMENT, CLASS C, CLASS 3 DURABILITY, 10 IN.	SV	35580	20630		56210
22	2301-4574100	MEDIUM CURLED P.C. CONCRETE, 6 INCH	LS		162		162
23	2301-6011722	PORTLAND CEMENT CONCRETE PAVEMENT SAMPLES	LS	0.5	0.5		1
24	2301-7000110	PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR PCC PAVEMENT THICKNESS (BY SCHEDULE)	EACH	45000	39000		84000
25	2303-0043500	HOT MIX ASPHALT MIXTURE (3,000,000 ESAL), SURFACE COURSE, 1/2 IN. MIX, NO SPECIAL FRICTION REQUIREMENT	TON	364.2	497.4		861.6
26	2303-0245020	ASPHALT BINDER, PG 58-28	TON	21.9	49.2		71.1
27	2303-0245470	ASPHALT BINDER, PG 64-28	TON		29.04		29.04
28	2312-0250051	GRANULAR SURFACING ON ROAD, CLASS A CRUSHED STONE	TON	300	600		900
29	2316-0000110	PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR PCC PAVEMENT SMOOTHNESS (BY SCHEDULE)	EACH	25500	15000		40500
30	2402-0425031	GRANULAR BACKFILL	TON	136731	1591		138322
31	2402-2720000	EXCAVATION, CLASS 20	CY		1938		1938
32	2403-0100000	STRUCTURAL CONCRETE (BRIDGE)	CY		200.2		200.2
33	2403-0100020	STRUCTURAL CONCRETE (RCB CURVERT)	CY	798.2	232.4		1030.6
34	2404-7775000	REINFORCING STEEL	LB	514	40165		40679
35	2404-7775005	REINFORCING STEEL, EPOXY COATED	LB	103218			103218
36	2405-2705000	EXCAVATE AND DEMATER	LS	0.4	0.5		0.9
37	2407-0520000	BEAMS, PRETENSIONED PRESTRESSED, CONCRETE, S0TE 140	LB	32	0		32
38	2408-7000000	STRUCTURAL STEEL	LB	12077			12077
39	2412-0600100	LONGITUDINAL GROOVING IN CONCRETE	SV	1882			1882
40	2414-6424030	CONCRETE BARRIER RAIL, 3FT. HIN.	LF	630	630		1260
41	2414-642410	CONCRETE BARRIER, PARAPET	LF	320			320
42	2414-6444100	STEEL PIPE PEDESTRIAN HAND RAILING	LF	383.5			383.5
43	2416-0100012	APRONS, CONCRETE, 12 IN. DIA.	EACH	1	0		1
44	2416-0100018	APRONS, CONCRETE, 18 IN. DIA.	EACH	0	0		0
45	2416-0100024	APRONS, CONCRETE, 24 IN. DIA.	EACH	2	0		2
46	2416-0100030	APRONS, CONCRETE, 30 IN. DIA.	EACH	0	1		1
47	2416-0100036	APRONS, CONCRETE, 36 IN. DIA.	EACH	1	0		1
48	2416-0100044	APRONS, CONCRETE, 48 IN. DIA.	EACH	2	0		2
49	2431-0000100	SEGMENTAL BLOCK RETAINING WALL	SF	368	1339		1707
50	2432-0000100	MECHANICALLY STABILIZED EARTH RETAINING WALL	SF	66686			66686
51	2435-0130148	MANHOLE, SANITARY SEWER, SM-303, 48 IN.	EACH	2	6		8
52	2435-0130304	MANHOLE, SANITARY SEWER, SM-303, 84 IN.	EACH	1	0		1
53	2435-0130500	MANHOLE, SANITARY SEWER, SM-305	EACH	3	0		3
54	2435-0140148	MANHOLE, STORM SEWER, SW-403, 48 IN.	EACH	2	6		8
55	2435-0140160	MANHOLE, STORM SEWER, SW-403, 60 IN.	EACH	3	1		4
56	2435-0140200	MANHOLE, STORM SEWER, SW-402	EACH	2	2		4
57	2435-0140300	MANHOLE, STORM SEWER, SW-403	EACH	1	0		1
58	2435-0140400	MANHOLE, STORM SEWER, SW-404	EACH	0	5		5
59	2435-0140500	MANHOLE, STORM SEWER, SW-405	EACH	1	1		2
60	2435-0250100	INTAKE, SW-501	EACH	0	1		1
61	2435-0250500	INTAKE, SW-505	EACH	0	14		14
62	2435-0250600	INTAKE, SW-506	EACH	7	3		10
63	2435-0250700	INTAKE, SW-507	EACH	11	12		23
64	2435-0250900	INTAKE, SW-509	EACH	28	22		50
65	2435-0250910	INTAKE, SW-509 MODIFIED	EACH	4	5		9
66	2435-0251224	INTAKE, SW-512, 24 IN.	EACH	0	12		12
67	2435-0400000	DROP CONNECTION, SM-307	EACH	0	1		1
68	2435-0600010	MANHOLE ADJUSTMENT, MINOR	EACH	2	6		8
69	2435-0600020	MANHOLE ADJUSTMENT, MAJOR	EACH	2	2		4
70	2435-0700010	CONNECTION TO EXISTING MANHOLE	EACH	1	3		4
71	2504-0201517	PILES, STEEL, HP 14 X 117	LF	7645			7645
72	2502-0213034	SUBDRAIN, LONGITUDINAL, (SHOULDER) 4 IN. DIA.	LF	9520.2	6842.7		16362.9
73	2502-0220193	SUBDRAIN OUTLET (RF-19C)	EACH	108	62		170
74	2502-0220196	SUBDRAIN OUTLET, RF-19E	EACH	4	0		4
75	2503-0114212	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 20000 (CLASS III), 12 IN.	LF	12.4			12.4
76	2503-0114218	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 20000 (CLASS III), 18 IN.	LF	5175.36	3719.91		8895.27
77	2503-0114224	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 20000 (CLASS III), 24 IN.	LF	2097.05			2097.05
78	2503-0114230	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 20000 (CLASS III), 30 IN.	LF	30.44	1071.87		1102.31
79	2503-0114236	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 20000 (CLASS III), 36 IN.	LF	549.49			549.49
80	2503-0114418	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 30000 (CLASS IV), 18 IN.	LF		255.43		255.43

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ESTIMATED PROJECT QUANTITIES

Division 1: SE 15TH ST TO SE 23RD ST
 Division 2: SE 23RD ST TO SE 30TH ST
 Division 3: DMW

100-1C
 04-17-12

Item No.	Item Code	Item	Unit	Quantities				As Built		
				Estimated			Total	Division 1	Division 2	Division 3
				Division 1	Division 2	Division 3				
161	2599-999005	FIRE HYDRANT ON EXISTING WATER MAIN	EACH			1	1			
162	2599-999005	FLOWERS, AS PER PLAN	EACH	2739		3131	5870			
163	2599-999005	HEADMALL, 24 IN.	EACH	1			1			
164	2599-999005	HEADMALL, 24 IN.	EACH			1	1			
165	2599-999005	ISOLATION COUPLING, 8 IN.	EACH	1			1			
166	2599-999005	ISOLATION COUPLING, 8 IN.	EACH			1	1			
167	2599-999005	LOWER WATER SERVICE	EACH	0	2		2			
168	2599-999005	MAGNESIUM ANODE, 32 LB	EACH	63		8	71			
169	2599-999005	MASONRY BENCH	EACH			3	3			
170	2599-999005	MASONRY PIECE	EACH			17	17			
171	2599-999005	PLANT BULBS	EACH	248		263	511			
172	2599-999005	PREPARE EXCAVATION FOR TAPPING SLEEVE	EACH			4	4			
173	2599-999005	RELOCATE CHAIN LINK GATE	EACH			3	3			
174	2599-999005	REMOVAL OF FIRE HYDRANT ON ABANDONED MAIN	EACH	3			3			
175	2599-999005	REMOVAL OF FIRE HYDRANT ON EXISTING MAIN	EACH	3		5	8			
176	2599-999005	SANITARY SEWER, CLASS 4 LINED REINFORCED CONCRETE, 54 IN. X 42 IN. REDUCER	EACH			3	3			
177	2599-999005	SANITARY SEWER, CLASS 4 LINED REINFORCED CONCRETE, 66 IN. X 54 IN. REDUCER	EACH	1			1			
178	2599-999005	TAPPING SLEEVE AND VALVE, 48 IN. X 16 IN.	EACH	1			1			
179	2599-999005	TREE DRAINAGE WELL	EACH	1			1			
180	2599-999005	VALVE GATE, DIP, 16 IN.	EACH	40		39	79			
181	2599-999005	WATER SERVICE TRANSFER, 1 IN.	EACH	3			3			
182	2599-999005	WATER SERVICE TRANSFER, 2 IN.	EACH			3	3			
183	2599-999005	WATER SERVICE TRANSFER, 4 IN.	EACH			2	2			
184	2599-999005	WATER SERVICE TRANSFER, 6 IN.	EACH			1	1			
185	2599-999005	WATER SERVICE, 12 IN.	EACH			1	1			
186	2599-999005	CLASS 4-4 NON-REINFORCED CONCRETE ARCH	EACH			1	1			
187	2599-999009	ELECTRICAL CONDUIT, TRENCHED, 4 IN.	LF	390			390			
188	2599-999009	ELECTRICAL CONDUIT, TRENCHED, 6 IN.	LF	280		205	485			
189	2599-999009	LIMESTONE EDGER	LF	340		840	1180			
190	2599-999009	PILE CASING, CMP, 24 IN.	LF	581		955	1536			
191	2599-999009	REMOVE ABANDONED HP GAS MAIN	LF	2012			2012			
192	2599-999009	REMOVE ABANDONED HP GAS MAIN	LF	230		1400	1630			
193	2599-999009	SANITARY SEWER, CLASS 4 LINED REINFORCED CONCRETE, 42 IN.	LF	0		700	700			
194	2599-999009	SANITARY SEWER, CLASS 4 LINED REINFORCED CONCRETE, 66 IN.	LF	265			266			
195	2599-999009	SANITARY SEWER, CLASS 5 LINED REINFORCED CONCRETE, 42 IN.	LF	762			762			
196	2599-999009	SANITARY SEWER, CLASS 5 LINED REINFORCED CONCRETE, 42 IN.	LF	459			459			
197	2599-999009	SANITARY SEWER, CLASS 5 LINED REINFORCED CONCRETE, 66 IN.	LF	220			220			
198	2599-999010	TREE PROTECTION FENCE	LF	795		1090	1885			
199	2599-999010	FIRE HYDRANT RELOCATION	LS			1	1			
200	2599-999010	INTERMEDIATE FOUNDATION IMPROVEMENT	LS	1			1			
201	2599-999010	INTERMEDIATE FOUNDATION IMPROVEMENT VERIFICATION TESTING	LS	1			1			
202	2599-999010	REMOVE AND REPLACE PICKET FENCE	LS			1	1			
203	2599-999010	REMOVE, SALVAGE, RESET HANDLE RISER	LS	1			1			
204	2599-999010	ROADWAY ELECTRICAL	LS	0.47		0.51	0.98			
205	2599-999010	ROADWAY LIGHTING	LS	0.48		0.52	1.00			
206	2599-999010	STORMWATER POLLUTION PREVENTION PLAN AND MAINTENANCE	LS	0.5		0.5	1.0			
207	2599-999010	SURFACE RUBBLE REMOVAL	LS	0.75		0.25	1.0			
208	2599-999010	TREE PROTECTION	LS	0.28		0.72	1.0			
209	2599-999010	VIDEO INSPECTION OF STORM SEWER	LS	0.5		0.5	1.0			
210	2599-999010	WASTEWATER PUMPING	LS	1			1			
211	2599-999018	P.C. CONCRETE FENCE FOOTING	SV	23		67	90			
212	2599-999018	P.C. CONCRETE FENCE	SV	104			104			
213	2599-999018	SIDEWALK, P.C. CONCRETE, REINFORCED, 12 IN.	SV	1618.4			1618.4			
214	2599-999020	SLOPE PROTECTION, STRAW MAT	SV	58024		17158	75182			
215	2599-999020	FOUNDATION ROCK	TON	20		20	40			
216	2599-999020	MACADAM STONE FILL	TON			31241	31241			
217	2601-2631100	SURFACING, ASPHALT MILLINGS	TON	300		0	300			
218	2601-2631100	MONITORING	ACRE	144.1		75.4	219.5			
219	2601-2634100	MULCHING	ACRE	32		21	53			
220	2601-2636015	MULCHING, BONDED FIBER MATRIX	ACRE	31.3		11.1	42.4			
221	2601-2636044	NATIVE GRASS SEEDING	ACRE	6.2		3.8	10			
222	2601-2636044	SEEDING AND FERTILIZING (URBAN)	ACRE	21.24		14.5	35.74			
223	2601-2638620	MACADAM STONE SLOPE PROTECTION	SV	600			600			
224	2601-2639010	SODDING	SO	3100		810	3910			
225	2601-2641110	STABILIZING CROP - SEEDING AND FERTILIZING (URBAN)	ACRE	32		22	54			
226	2601-2643110	WATERING FOR SOD, SPECIAL DITCH CONTROL, OR SLOPE PROTECTION	MGAL	660		486	1146			
227	2602-0000020	SILT FENCE	LF	25130		9620	34750			
228	2602-0000030	SILT FENCE FOR DITCH CHECKS	LF	1725		2475	4200			
229	2602-0000060	SILT BASINS	EACH	2			2			
230	2602-0000071	REMOVAL OF SILT FENCE OR SILT FENCE FOR DITCH CHECKS	LF	13428		6000	19428			
231	2602-0000101	MAINTENANCE OF SILT FENCE OR SILT FENCE FOR DITCH CHECK	LF	1606			1606			
232	2602-0000112	FLOATING SILT CURTAIN (HANGING)	LF	1280		600	1880			
233	2602-0000132	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 12 IN. DIA.	LF	2628		3915	6543			
234	2602-0000130	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 20 IN. DIA.	LF	410		350	760			
235	2602-0000139	REMOVAL OF PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE	EACH	1507		730	2237			
236	2602-0010020	MORILLATIONS, EROSION CONTROL	EACH	10			10			
237	2610-0000110	MORILLATIONS, EMERGENCY EROSION CONTROL	EACH	4			4			
238	2610-0000120	SHRUBS	EACH	258		211	469			
239	2610-0000130	TREES	EACH	162		154	316			
240	2610-0000400	WATERING FOR PLANTS	MGAL	210		187	397			

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ESTIMATED PROJECT QUANTITIES

180-1C
04-17-12

Division 1: SE 15TH ST TO SE 23RD ST
Division 2: SE 23RD ST TO SE 30TH ST
Division 3: DMM

Item No.	Item Code	Item	Unit	Estimated Quantities				As Built		
				Division 1	Division 2	Division 3	Total	Division 1	Division 2	Division 3

THIS SHEET RESERVED FOR CONSTRUCTION NOTES.

** SEE SHEET C.13 FOR STANDARD ROAD PLANS

Page 7 of 75

ESTIMATE REFERENCE INFORMATION

100-4A
10-29-02

Item No.	Item Code	Description
1	2101-0850001	CLEARING AND GRUBBING CLEAR NECESSARY TO CONSTRUCT THE PROJECT. SEE "Y" SHEETS FOR SPECIFIC TREES TO BE SAVED IN THE CHESTERFIELD NEIGHBORHOOD. REFER TO GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.
2	2102-0425070	SPECIAL BACKFILL SHALL BE USED AS A BRIDGING LAYER OVER MACADAM STONE FILL IN THE DEANS LAKE AREA. ADDITIONAL QUANTITY MAY BE ADDED TO PROJECT WITH SUBGRADE STABILIZATION MATERIAL IF REQUIRED BY GEOTECHNICAL ENGINEER.
3	2102-2710070	EXCAVATION, CLASS 10, ROADWAY & BORROW ROADWAY CONSTRUCTION REQUIRES 320,745 C.Y. OF CUT AND 502,276 C.Y. OF FILL, 181,531 C.Y. TO BE FURNISHED AS BORROW. THE CONTRACTOR IS TO PROVIDE HIS OWN BORROW SITE. COMPACTION WITH MOISTURE AND DENSITY CONTROL WILL BE REQUIRED ON AREAS INSIDE THE TYPICAL SECTION TEMPLATE. SEE CS SHEETS TABULATION 103-1 FOR DETAILS. REFER TO "Q" SHEETS FOR SOIL TYPES AND WATER TABLE ELEVATIONS FOR CUT AREAS. CONTRACTOR SHALL ALSO SPREAD UNSUITABLE PILE (ESTIMATED AT 16,670 CY) TO BE LEFT ON FORMER CARROLL PROPERTY BY SE 3TH - SE 15TH PROJECT. AREAS OUTSIDE THE TYPICAL SECTION TEMPLATE WILL RECEIVE TYPE "A" COMPACTION. THE ESTIMATED EARTHWORK QUANTITIES INCLUDE AN ADDITIONAL 30% TO COMPENSATE FOR SHRINKAGE. NO PAYMENT FOR OVERHAUL SHALL BE MADE ON THIS PROJECT. PAY QUANTITY WILL BE PLAN QUANTITY ADJUSTED FOR OBVIOUS ERRORS, PLAN REVISIONS OR CHANGE ORDERS. MOISTURE SHALL BE APPLIED, AS NECESSARY, TO THE CONSTRUCTION AREA TO PREVENT THE SPREAD OF DUST REFER TO ARTICLE 1107.07 OF THE STANDARD SPECIFICATIONS FOR ADDITIONAL DETAILS.
4	2102-2710080	EXCAVATION, CLASS 10, UNSUITABLE OR UNSTABLE MATERIAL UNSUITABLE OR UNSTABLE MATERIAL ENCOUNTERED ON THE PROJECT WILL BE SUBJECT TO MOISTURE AND DENSITY REQUIREMENTS AND PLACEMENT SHALL FOLLOW STANDARD ROAD PLAN RL-18, TYPE "A" PLACEMENT. ANY MATERIAL DEEMED UNSUITABLE FOR ROADWAY FILL MAY BE SPREAD OVER THE FORMER CARROLL PROPERTY. CONTRACTOR SHALL CONSULT RESIDENT ENGINEER FOR FINAL PLACEMENT LOCATION. NO ADDITIONAL PAYMENT SHALL BE MADE FOR OVERHAUL.
5	2102-2712015	EXCAVATION, CLASS 12, BOULDERS OR ROCK FRAGMENTS REFER TO SHEET Q-54 FOR LOCATION OF GRANULAR CORE-OUT. CORE OUT EXISTING SOILS MIXED WITH CONCRETE SLABS AND BRICK RUBBLE. CONTRACTOR MAY CRUSH CONCRETE AND BRICK RUBBLE AND RE-USE ELSEWHERE ON PROJECT WITH PERMISSION FROM GEOTECHNICAL ENGINEER. CONTRACTOR SHOULD EXPECT TO ENCOUNTER LARGE CONCRETE SLABS WITH THE POSSIBILITY OF STEEL REINFORCEMENT, BRICK, TILE, OR OTHER CEMENT PRODUCTS.
6	2104-2710020	EXCAVATION, CLASS 10, CHANNEL SEE SHEET U-12 FOR MORE INFORMATION
7	2105-0425005	TOPSOIL, FURNISH AND SPREAD QUANTITY OF TOPSOIL REQUIRED HAS BEEN CALCULATED BASED ON 4" THICKNESS OVER ALL SLOPES, BACKSLOPES AND DITCH BOTTOMS. 12" THICKNESS OVER AREAS UNDERLAIN BY MSE WALL GRANULAR BACKFILL. SUFFICIENT FIELD MEASUREMENTS WILL BE MADE TO INSURE REASONABLE CONFORMITY WITH SPECIFIED DEPTH OF COVERAGE. CROSS-SECTIONS SHOW FINISHED GROUNDLINE. PAY QUANTITY WILL BE BASED ON CALCULATIONS OF MEASURED AREA COVERED MULTIPLIED BY DEPTH OF COVERAGE. QUANTITY INCLUDES AN ADDITIONAL 40% TO COMPENSATE FOR SHRINKAGE. CONTRACTOR WILL BE PAID CONTRACT UNIT PRICE PER CUBIC YARD FOR MEASURED QUANTITY. THIS PAYMENT SHALL BE FULL COMPENSATION FOR FURNISHING AND PLACING TOPSOIL AS DESCRIBED ABOVE. NO PAYMENT FOR OVERHAUL WILL BE ALLOWED.
8	2105-0425015	TOPSOIL, STRIP, SALVAGE AND SPREAD QUANTITY OF TOPSOIL AVAILABLE ON-SITE HAS BEEN BASED ON AN AVERAGE 4" THICKNESS. PAY QUANTITY WILL BE BASED ON CALCULATIONS OF MEASURED AREA COVERED MULTIPLIED BY AVERAGE DEPTH OF COVERAGE. CONTRACTOR WILL BE PAID CONTRACT UNIT PRICE PER CUBIC YARD FOR MEASURED QUANTITY. THIS PAYMENT SHALL BE FULL COMPENSATION FOR STRIPPING, TRANSPORTING, AND PLACING TOPSOIL AS DESCRIBED ABOVE.
9	2107-0425020	COMPACTING BACKFILL ADJACENT TO BRIDGES, CULVERTS, AND STRUCTURES COMPACT BACKFILL TO ELEVATION OF TOP OF BOX CULVERT
10	2107-0875000	COMPACTION WITH MOISTURE AND DENSITY CONTROL TO BE PLACED UNDER PAVEMENT TO A THICKNESS OF 12". SEE TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.
11	2113-0001100	SUBGRADE STABILIZATION MATERIAL, POLYMER GRID TO BE PLACED IF POCKETS OF POOR SOIL ARE ENCOUNTERED THAT ARE TOO DEEP TO ECONOMICALLY OVER-EXCAVATE. GRID SHALL MEET THE REQUIREMENTS OF SECTION 4196.01, B.05 AND SHALL BE "TRIANGULAR". QUANTITY SHOWN IN ESTIMATED QUANTITIES DOES NOT ACCOUNT FOR OVERLAP. OVERLAP PER MANUFACTURERS RECOMMENDATION IS INCIDENTAL TO THIS ITEM. INSTALLATION OF GRID SHALL BE DETERMINED BY RESIDENT ENGINEER AND GEOTECHNICAL ENGINEER.
12	2115-0100000	MODIFIED SUBBASE TO BE PLACED UNDER ROADWAY PAVEMENT TO A THICKNESS OF 12". SEE TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.
13	2123-7450000	SHOULDER CONSTRUCTION, EARTH MEASUREMENT SHALL BE IN STATIONS ALONG THE BACK OF CURB. IT SHALL EXTEND 3 FEET OUT FROM THE CURB AS SHOWN IN THE TYPICAL SECTIONS. CONSTRUCTION WILL BE MADE FOR DRIVES, SIDEWALKS AND INTERSECTIONS. MATERIAL FOR SHOULDER CONSTRUCTION IS AVAILABLE FROM CLASS 10 EXCAVATION. OVERHAUL WILL NOT BE MEASURED FOR PAYMENT.
14	2213-2713300	EXCAVATION, CLASS 13, FOR WIDENING ROADWAY CONSTRUCTION REQUIRES 400 CY OF EXCAVATION FOR THE WIDENING OF SE 30TH STREET. MATERIALS TO BE USED ELSEWHERE IN PROJECT UPON APPROVAL OF GEOTECHNICAL ENGINEER.
15	2213-6745500	REMOVAL OF CURB REFER TO "R", "O", AND "E" SHEETS FOR LOCATIONS OF CURB REMOVAL. REMOVAL MAY BE BY GRINDING OR HORIZONTAL CUT.
16	2213-7100400	RELOCATION OF MAIL BOXES ALL MAIL BOXES IN CONFLICT WITH CONSTRUCTION OPERATIONS SHALL BE REMOVED TO A LOCATION APPROVED BY THE LOCAL POSTMASTER AND SHALL BE REINSTALLED AT PROJECT COMPLETION. SEE TABULATION, SHEET C-25. CONTRACTOR WILL BE PAID CONTRACT UNIT PRICE FOR EACH MAILBOX RELOCATED. THIS PAYMENT SHALL BE FULL COMPENSATION FOR RELOCATING AND REINSTALLING MAILBOX, INCLUDING NECESSARY COORDINATION.

ESTIMATE REFERENCE INFORMATION

100-4A
10-29-02

Item No.	Item Code	Description
17	2213-8700000	BASE WIDENING, HOT MIX ASPHALT MIXTURE TO BE USED TO WIDEN SE 30TH ST. AS SHOWN IN PLANS. PLACE ON TOP OF PCC BASE WIDENING TO MATCH EXISTING PAVEMENT SECTION. SAWCUT CLEAN EDGE ON EXISTING ASPHALT PAVEMENT PRIOR TO CONSTRUCTION. SAWCUT & REMOVAL INCIDENTAL.
18	2213-8702000	BASE WIDENING, 8 IN. PORTLAND CEMENT CONCRETE TO BE USED TO WIDEN SE 30TH ST. AS SHOWN IN PLANS AND ON SHEET B-04. MATCH AND DOWEL TO PCC BASE ON EXISTING COMPOSITE PAVEMENT SECTION. MATCH EXISTING JOINTING PATTERN. ALL JOINTS SHOWN ARE INCIDENTAL TO THIS ITEM.
19	2301-0690200	BRIDGE APPROACH, RK-20 REFER TO "K" SHEETS FOR LOCATIONS, AND ROAD STD. RK-20 FOR ADDITIONAL DETAILS.
20	2301-1033000	PAVEMENT, STANDARD OR SLIP-FORM, PORTLAND CEMENT CONCRETE, 8 IN, 10 IN SEE TYPICAL SECTIONS, AND GEOMETRIC DETAILS. "M" SHEETS. THE SLUMP, MEASURED IN ACCORDANCE WITH MATERIALS 1.11.317, SHALL NOT BE LESS THAN 1/2 INCH OR MORE THAN 4 INCHES FOR HAND FINISHED PAVEMENT. SLUMP REQUIREMENTS WILL NOT APPLY TO SLIP FORM PAVING. INCLUDES INTEGRAL CURBS WITH MAINTENANCE BORDER. CERTIFIED PLANT INSPECTION IS REQUIRED. PAVEMENT SMOOTHNESS SHALL APPLY. ALL PAVEMENT JOINTS SHALL BE CLEANED AND SEALED. SAWCUT WIDTH SHALL BE AS SHOWN ON DOT STD. ROAD PLAN PV-101. NOTE 11 ON PV-101 SHALL BE IGNORED. ALL JOINTS SHALL BE CUT AND SEALED.
21	2301-1033100	PAVEMENT, STANDARD OR SLIP-FORM, PORTLAND CEMENT CONCRETE, 8 IN, 10 IN SEE TYPICAL SECTIONS, AND GEOMETRIC DETAILS. "M" SHEETS. THE SLUMP, MEASURED IN ACCORDANCE WITH MATERIALS 1.11.317, SHALL NOT BE LESS THAN 1/2 INCH OR MORE THAN 4 INCHES FOR HAND FINISHED PAVEMENT. SLUMP REQUIREMENTS WILL NOT APPLY TO SLIP FORM PAVING. INCLUDES INTEGRAL CURBS WITH MAINTENANCE BORDER. CERTIFIED PLANT INSPECTION IS REQUIRED. PAVEMENT SMOOTHNESS SHALL APPLY. ALL PAVEMENT JOINTS SHALL BE CLEANED AND SEALED. SAWCUT WIDTH SHALL BE AS SHOWN ON DOT STD. ROAD PLAN PV-101. NOTE 11 ON PV-101 SHALL BE IGNORED. ALL JOINTS SHALL BE CUT AND SEALED.
22	2301-4074100	MEDIAN, DOWELLED P.C.C. CONCRETE, 6 INCH REFER TO "D", AND "K" SHEETS FOR LOCATIONS, SHEET B-05 FOR STANDARD DETAIL.
23	2301-6911722	PORTLAND CEMENT CONCRETE PAVEMENT SAMPLES REFER TO STANDARD SPECIFICATION FOR REQUIREMENTS
24	2301-7000110	PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR PCC PAVEMENT THICKNESS (BY SCHEDULE)
25	2303-0043500	HOT MIX ASPHALT MIXTURE (3,000,000 ESAL), SURFACE COURSE, 3/2 IN. MIX, NO SPECIAL FRICTION REQUIREMENT 2" OVERLAY TO BE PLACED ON SE 30TH STREET OVER BOTH THE EXISTING PAVEMENT AND THE BASE WIDENING. MILLING NECESSARY TO TIE INTO EXISTING PAVEMENTS SHALL BE INCIDENTAL TO THIS BID ITEM.
26	2303-0245020	ASPHALT BINDER, PG 58-28 FOR USE IN PMA BASE WIDENING OF SE 30TH STREET.
27	2303-0246420	ASPHALT BINDER, PG 64-28 FOR USE IN 2" PMA OVERLAY OF SE 30TH STREET.
27	2303-6911000	PMA PAVEMENT SAMPLES REFER TO STANDARD SPECIFICATION FOR REQUIREMENTS
28	2312-8260051	GRANULAR SURFACING ON ROAD, CLASS A CRUSHED STONE QUANTITY SHALL BE FOR PROVIDING TEMPORARY SURFACING NECESSARY TO PROVIDE LOCAL ACCESS DURING CONSTRUCTION. SALVAGING, OR DISPOSAL OF MATERIAL AFTER USE IS INCIDENTAL TO THIS ITEM.
29	2316-0000110	PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR PCC PAVEMENT SMOOTHNESS (BY SCHEDULE)
30	2402-0425031	GRANULAR BACKFILL PROVIDE AND PLACE GRANULAR BACKFILL BEHIND MSE WALLS PER DETAIL ON SHEET U-21. SEE TABULATION ON SHEET M-01, M-04 AND Q SHEETS FOR STORM LOCATIONS AND QUANTITIES. PROVIDE GRANULAR BACKFILL AROUND STORM SEWER PIPES CROSSING SOUTHEAST CONNECTOR PER TABULATION.
31	2402-2720000	EXCAVATION, CLASS 20 SEE SHEET U-13 FOR MORE INFORMATION
32	2403-0100010	STRUCTURAL CONCRETE (BRIDGE) SEE "V" SHEETS FOR MORE INFORMATION, CERTIFIED PLANT INSPECTION IS REQUIRED
33	2403-0100020	STRUCTURAL CONCRETE (RCB CULVERT) SEE SHEET U-13 FOR MORE INFORMATION, CERTIFIED PLANT INSPECTION IS REQUIRED
34	2404-7720000	REINFORCING STEEL SEE "V" SHEETS AND SHEETS U-11 - U-18 FOR MORE INFORMATION
35	2404-7775000	REINFORCING STEEL, EPOXY COATED SEE "V" SHEETS FOR MORE INFORMATION.
36	2405-2705000	EXCAVATE AND DEMATER CONTRACTOR WILL LIKELY ENCOUNTER HIGH GROUND WATER ELEVATIONS THROUGHOUT THE PROJECT. REFER TO SOILS REPORT FOR MEASURED GROUND WATER ELEVATIONS. PAYMENT SHALL BE AT THE LUMP SUM PRICE FOR ALL MATERIALS, MOUL, LABOR, AND SERVICES REQUIRED FOR DEMATERING OF THE PROJECT. INCLUDING PARTIALLY DEMATERING THE POND TO BE FILLED WEST OF SE 25TH CT.
37	2407-0550000	BEAMS, PRETENSIONED PRESTRESSED CONCRETE, SBTE140 SEE "V" SHEETS FOR MORE INFORMATION
38	2408-7800000	STRUCTURAL STEEL SEE "V" SHEETS FOR MORE INFORMATION
39	2412-0000100	LONGITUDINAL GROOVING IN CONCRETE LONGITUDINAL GROOVING TO BE COMPLETED ON BRIDGES AND BRIDGE APPROACHES.
40	2414-6424030	CONCRETE BARRIER RAIL, 3 FT. 8 IN. SEE "V" SHEETS FOR MORE INFORMATION

Page 8 of 75

ACCESS POINTS AND SAFETY RAMPS

102-3
04-16-13

Refer to Cross-Sections

Length of unclassified pipe calculated is based on using Reinforced Concrete Pipe.

- ① Refer to MI-210
- ② Refer to RL-9.
- ③ Refer to RL-7 or RL-8.
- ④ Predetermined for access point not constructed with this project.

Station	Side	Type A, B, C, Safety Ramp, or Predetermined*	Length of Opening ①			Pipe Culvert ①						Aprons No.	Driveway Surface Area		Driveway Surfacing Material TON	Remarks		
			Case 1 of 2	1K" Dropped Curb LF	3" Dropped Curb LF	N FT	PR FT	SR FT	H FT	Size IN	Pipe Length LF		Lt. LF	Rt. LF			MSA SY	PCC SY
1802+88.18	RT			54.7		31.0	15.0							68.5				
1803+89.32	LT			155.7		127.6	10615							277.5				
1804+53.63	RT			51.0		29.0	15.0							61.5				
1804+97.68	LT			51.0		16.0	15820							76.0				
1805+21.48	RT			54.0		31.0	15.0							68.5				
1806+51.88	LT			57.0		49.0	15610							142.5				
1810+48.19	RT			59.7		38.0	12815							133.5				
1810+92.51	LT			46.0		19.0	12815							45.0				
1811+70.61	LT			53.0		25.0	15.0							66.0				
1811+79.82	RT			48.0		27.0	12.0							43.5				
2302+38.70	LT			54.0		24.0	15.0							63.0				
247+73.58	LT			16.6		12.0								18.0				
258+34.54	RT			16.0		10.0								14.0				
258+98.85	LT			15.0		10.0								15.0				
245+94.32	LT			16.1		9.5								41.5			26TH CT & SCOTT AVE SE 30TH ST MAURY STREET	
3010+96.34	LT			16.0		10.0	18.0							22.5				
B+06.83	RT			56.5		41.0								51.0				

LONGITUDINAL GROOVING

100-28
10-19-10

Location	Total		Remarks
	SY	TON	
210+43.90 27' RT.	521.0		WEST BRIDGE
215+49.98 27' RT.	521.0		EAST BRIDGE
210+43.90 27' RT.	207.0		WEST BRIDGE, WEST APPROACH PAVEMENT (PAYMENT INCLUDED WITH APPROACH PAVE.)
210+43.98 27' RT.	207.0		WEST BRIDGE, EAST APPROACH PAVEMENT (PAYMENT INCLUDED WITH APPROACH PAVE.)
215+49.98 27' RT.	214.0		EAST BRIDGE, WEST APPROACH PAVEMENT (PAYMENT INCLUDED WITH APPROACH PAVE.)
215+49.98 27' RT.	212.0		EAST BRIDGE, EAST APPROACH PAVEMENT (PAYMENT INCLUDED WITH APPROACH PAVE.)

FENCING

100-7
10-16-12

* Bid Item

Refer to MI-101, MI-102, MI-103, MI-104, 510-3, and 510-5

Location				Side	Chain Link				Gate				Field				Channel Crossing		Remarks
From Station	Offset	To Station	Offset		Fence		Gate		Fence		Gate		Fence		Gate				
Station	Offset	Station	Offset		Length*	Type	No.*	Type	Fence Length*	Brace Panels*	No.*	Type	Fence Length*	Brace Panels*	No.*	Type	Length*	Type	
1802+11.00	39.4	1804+74.04	39.9	RT	282.0	72 IN.												VINYL COATED	
1803+03.97	76.0	1804+51.13	76.0	RT	147.2	48 IN.												VINYL COATED, ON SPREAD FOOTING	
202+58.50		209+44.73		LT	694.2	72 IN.												VINYL COATED, ON MSE WALL	
202+50.50		209+72.98		RT	72.5	72 IN.												VINYL COATED, ON MSE WALL	
209+73.98		211+36.98		RT	163.0	96 IN.												VINYL COATED, ON UPRR BRIDGE	
214+66.00		216+39.55		RT	173.5	96 IN.												VINYL COATED, ON NSRR BRIDGE	
508+64.78		509+47.87		LT	86.1	72 IN.												VINYL COATED, ON MSE WALL	
601+04.67		602+79.53		LT	177.9	72 IN.												VINYL COATED, ON MSE WALL	
603+33.63		604+76.20		RT	145.6	72 IN.												VINYL COATED, ON MSE WALL	
700+99.40		702+48.16		RT	143.8	72 IN.												VINYL COATED, ON MSE WALL	
702+92.83		705+66.88		LT	276.3	72 IN.												VINYL COATED, ON MSE WALL	
801+09.33		802+97.15		LT	190.8	72 IN.												VINYL COATED, ON MSE WALL	
803+50.00		804+89.23		RT	133.2	72 IN.												VINYL COATED, ON MSE WALL	
228+43.00				RT	53.0	72 IN.												VINYL COATED, ON WALL, RCB CULVERT	
247+58.42	97.3	252+53.06	88.7	LT	503.1	48 IN.												VINYL COATED, ON WALL, RCB CULVERT	
259+85.61	56.0	260+30.93	59.0	RT	45.0	72 IN.												VINYL COATED	
260+30.93	59.0	264+30.94	59.6	RT	408.0	72 IN.												VINYL COATED, ON SPREAD FOOTING	
264+30.94	59.6	268+35.89	135.0	RT	225.0	72 IN.												VINYL COATED	
250+83.58	63.0	251+00.57	62.0	RT	26.0	42 IN.												PICKET FENCE	
251+20.62	98.2	251+22.62	111.3	RT	26.3	42 IN.												PICKET FENCE	

EMBANKMENT WITH MOISTURE AND DENSITY CONTROL

Moisture content shall be within the limits of minus 2 and plus 3 percentage points of optimum for maximum density within the area described and listed below.

Table with columns: Station to Station, Lane, Depth, Compact (FT, CY), Remarks. Rows list station ranges and corresponding depth and compact values.

EMBANKMENT WITH MOISTURE AND DENSITY CONTROL

Moisture content shall be within the limits of minus 2 and plus 3 percentage points of optimum for maximum density within the area described and listed below.

Table with columns: Station to Station, Lane, Depth, Compact (FT, CY), Remarks. Rows list station ranges and corresponding depth and compact values.

EMBAKMENT WITH MOISTURE AND DENSITY CONTROL

Moisture content shall be within the limits of minus 2 and plus 3 percentage points of optimum for maximum density within the area described and listed below.

Table with columns: Station to Station, Lane, Depth, Compact (FY, CY), Remarks. Rows 150+00.00 to 269+50.00.

103-1
10-19-10

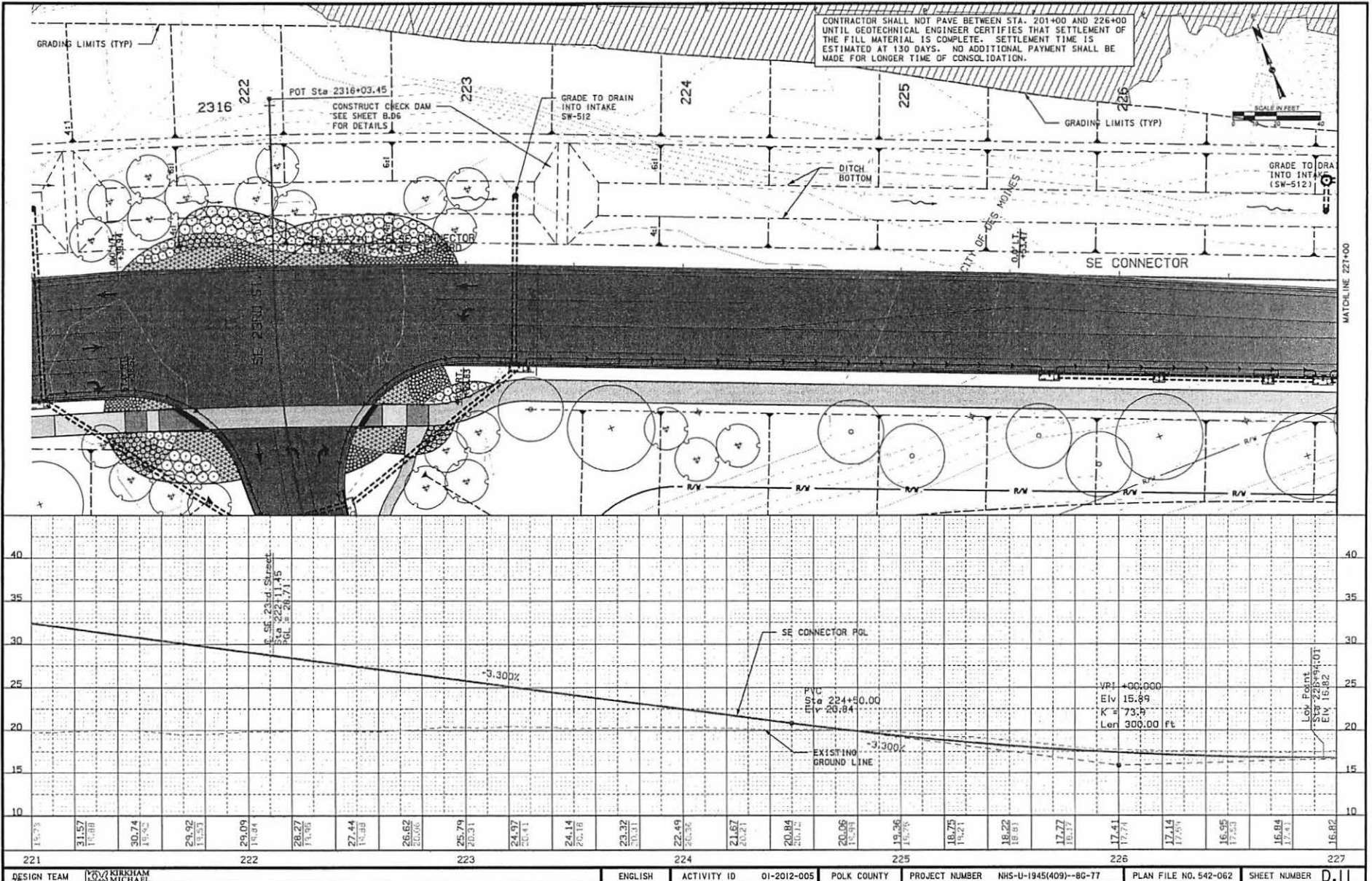
EMBAKMENT WITH MOISTURE AND DENSITY CONTROL

Moisture content shall be within the limits of minus 2 and plus 3 percentage points of optimum for maximum density within the area described and listed below.

Table with columns: Station to Station, Lane, Depth, Compact (FY, CY), Remarks. Rows 269+75.00 to 2305+50.00.

103-1
10-19-10

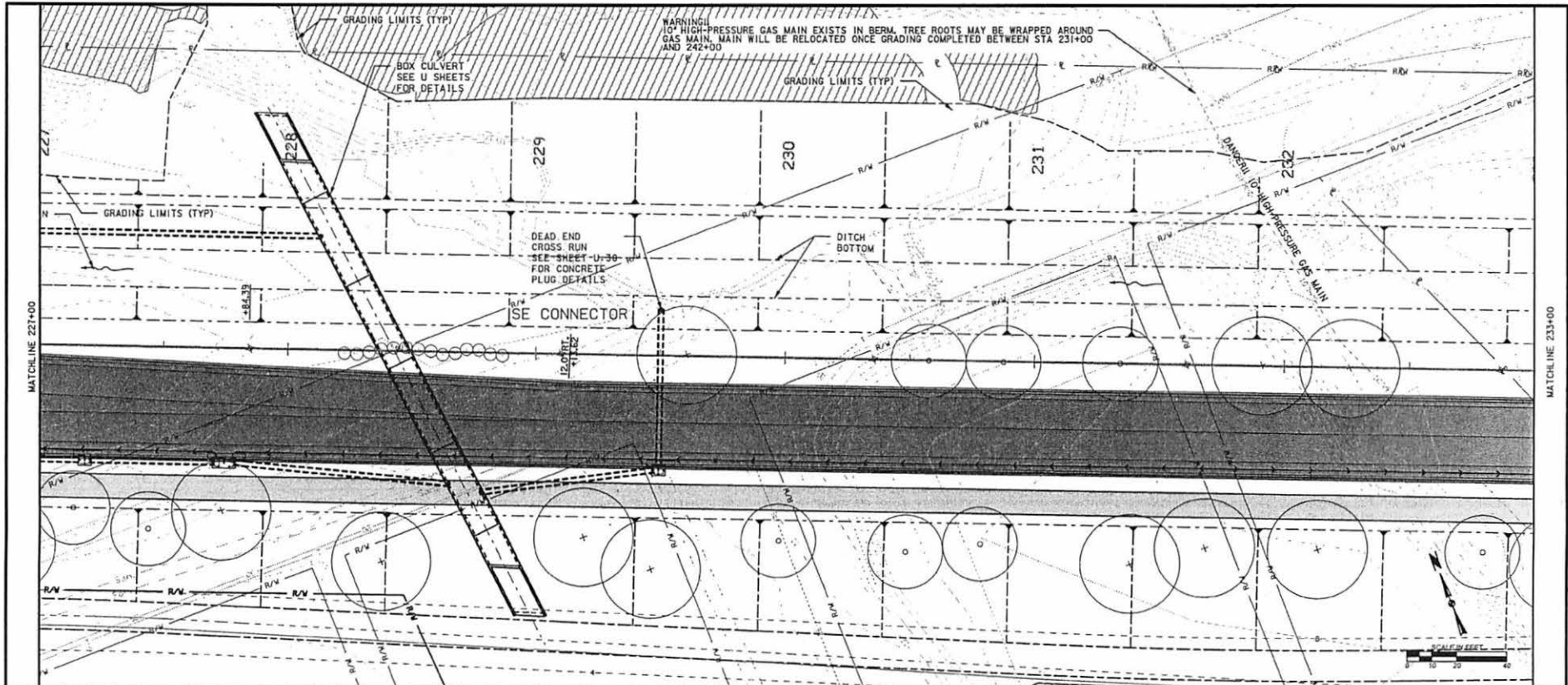
Page 13 of 75



221	15.73	31.57	18.88	30.74	15.72	29.92	18.23	29.09	16.84	28.27	14.93	27.44	15.88	26.62	12.06	25.79	10.31	24.97	10.41	24.14	10.18	23.32	10.21	22.49	10.36	21.67	10.21	20.84	10.16	20.06	10.01	19.36	10.76	18.75	10.41	18.22	10.81	17.77	10.17	17.41	10.74	17.14	10.59	17.53	16.84	10.41	16.82	10.01	227
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DESIGN TEAM: MVS KIRKHAM, DSAS MICHAEL | ENGLISH | ACTIVITY ID: 01-2012-005 | POLK COUNTY | PROJECT NUMBER: NHS-U-1945(409)--80-77 | PLAN FILE NO. 542-062 | SHEET NUMBER: D.11

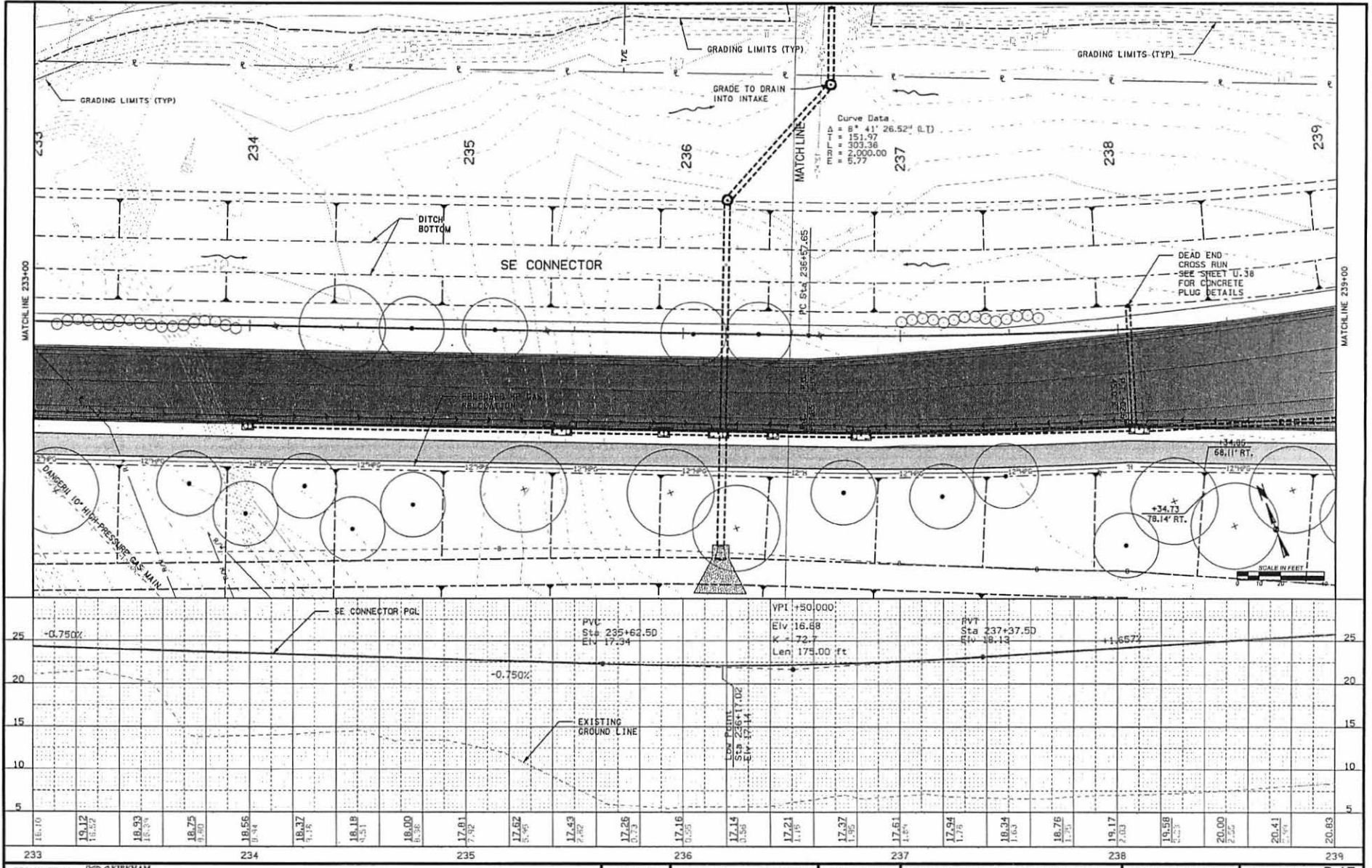
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25	SE CONNECTOR PGL															25										
20	+0.75%															20										
15	EL 13.66 @ WB GUTTER															15										
10	EL 13.48 @ WB PGL															10										
10	EL 13.30 @ EB PGL															10										
10	EL 13.12 @ EB GUTTER															10										
5	EXISTING GROUND LINE															5										
5	17.05	16.88	17.03	17.22	17.41	17.60	17.79	17.97	18.16	18.35	18.54	18.73	18.92	19.11	19.30	19.49	19.68	19.87	19.99	19.96	19.93	19.84	19.68	19.50	19.31	5
	227		228		229		230		231		232		233													

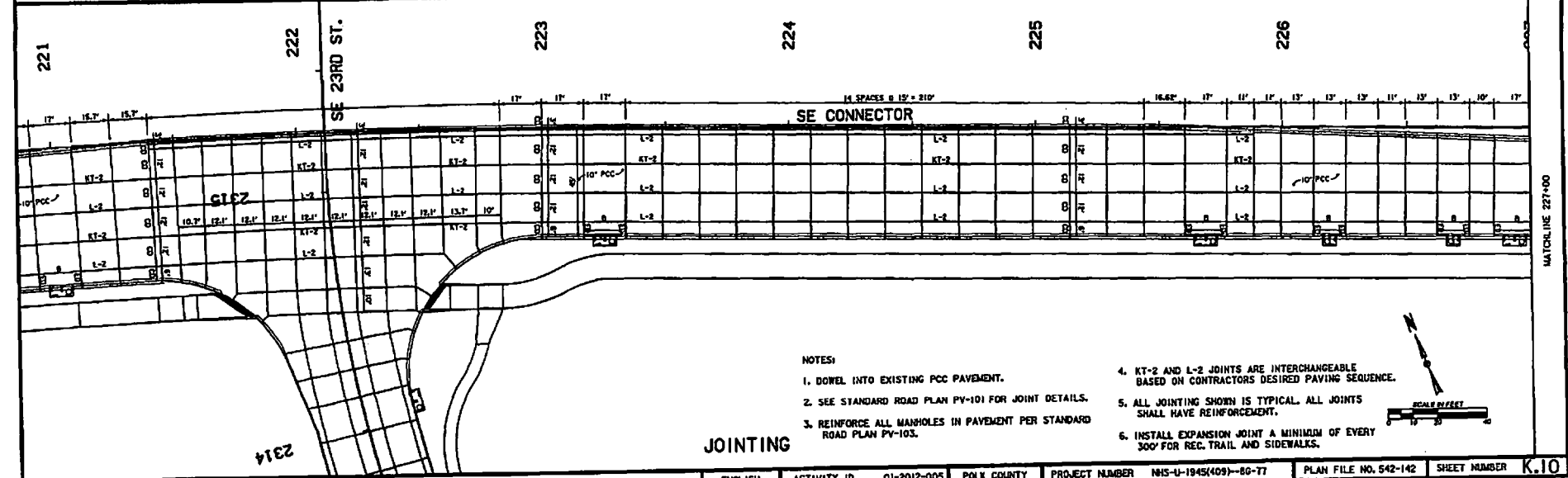
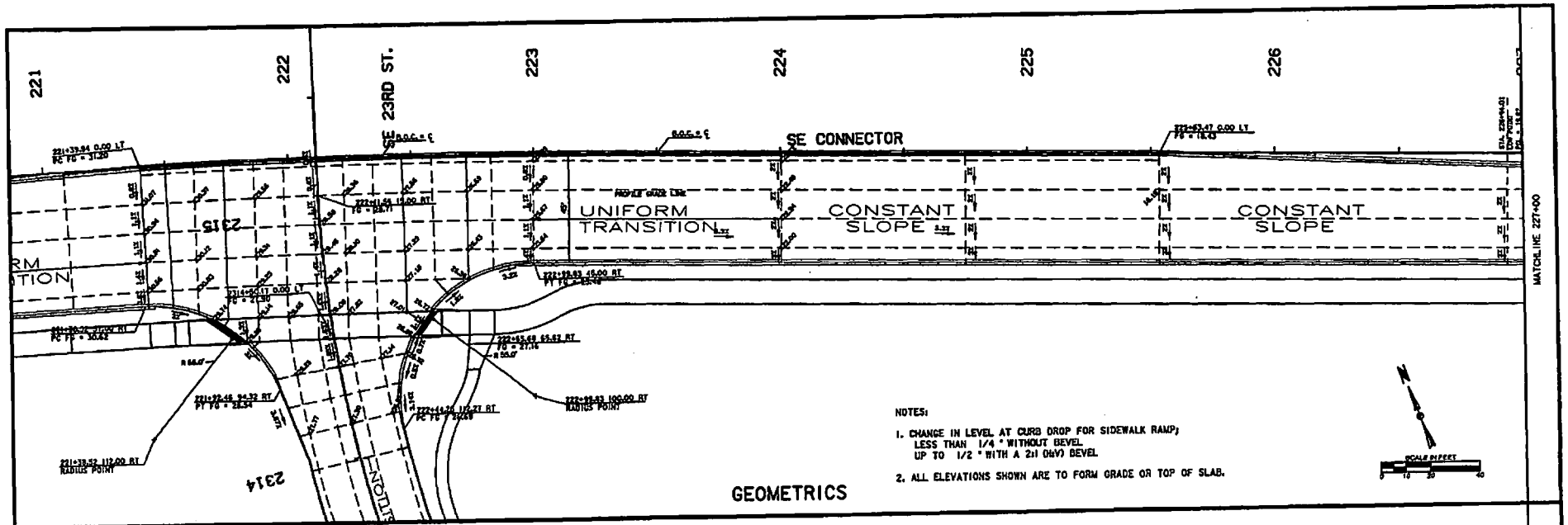
DESIGN TEAM: KIRKHAM MICHAEL
 ENGLISH ACTIVITY ID: 06-2012-006 POLK COUNTY PROJECT NUMBER: NHS-U-1945(409)-86-77 PLAN FILE NO. 542-063 SHEET NUMBER: D.12

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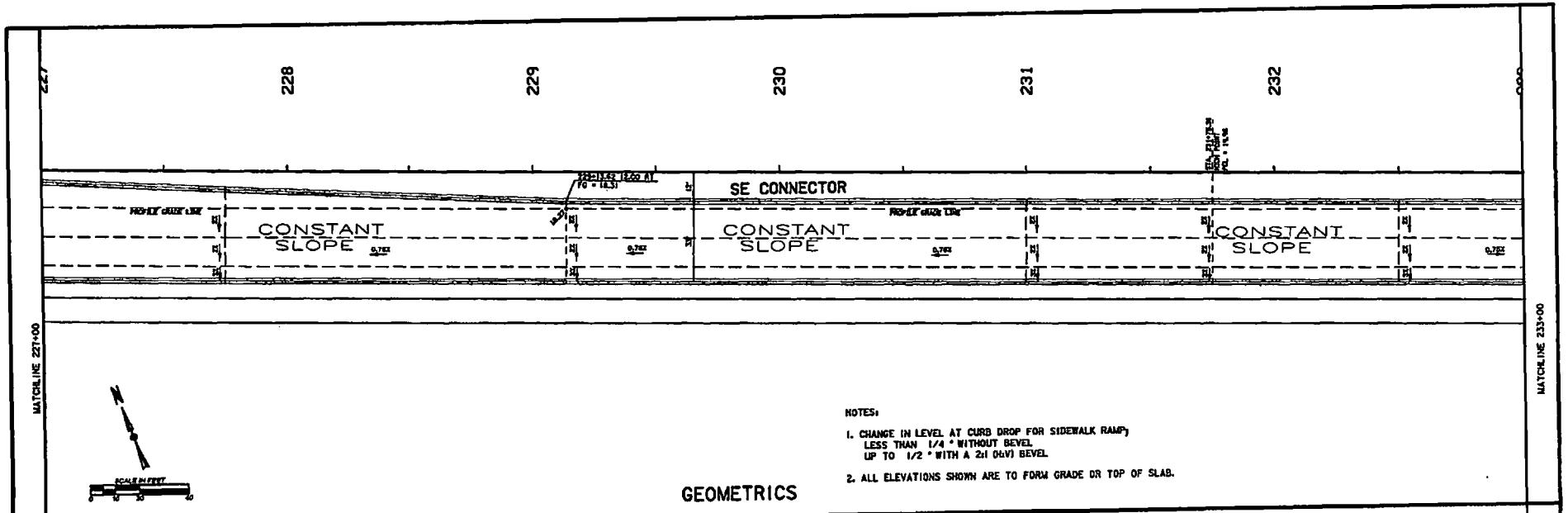


DESIGN TEAM	KIRKHAM MICHAEL	ENGLISH	ACTIVITY ID	06-2012-006	POLK COUNTY	PROJECT NUMBER	NHS-U-1945(409)-86-77	PLAN FILE NO.	542-064	SHEET NUMBER	D.13
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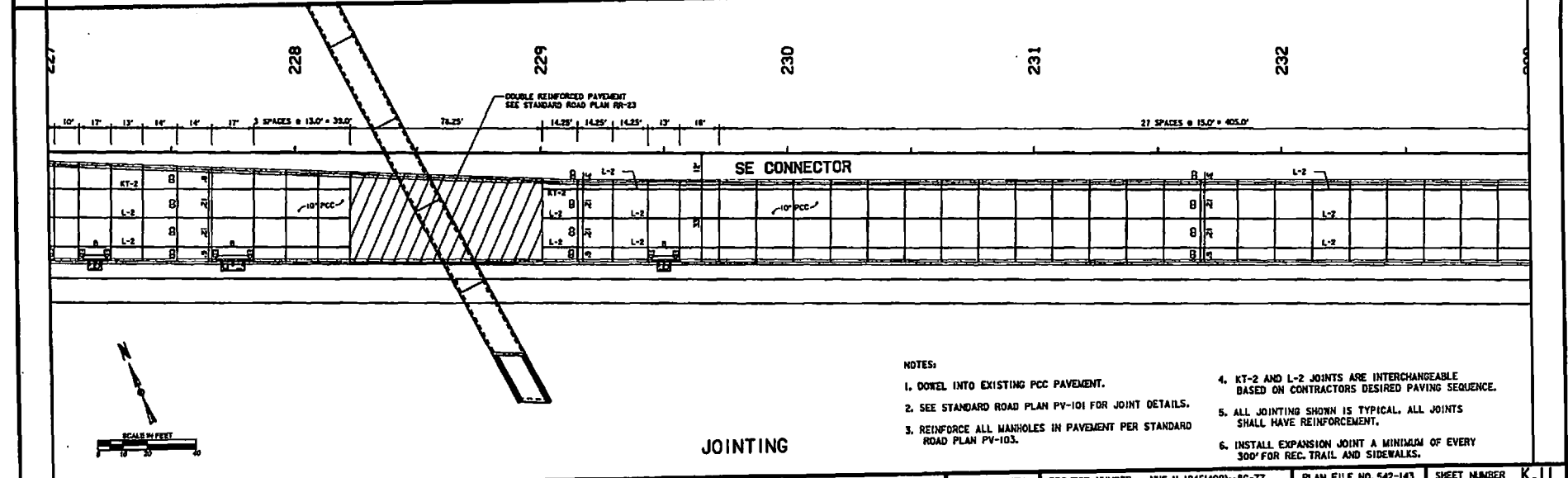


DESIGN TEAM	KIM CHODAM RUSSELL MICHAEL	ENGLISH	ACTIVITY ID	01-2012-005	POLK COUNTY	PROJECT NUMBER	NHS-U-1945(409)-80-77	PLAN FILE NO.	542-142	SHEET NUMBER	K.10
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NOTES:
 1. CHANGE IN LEVEL AT CURB DROP FOR SIDEWALK RAMP;
 LESS THAN 1/4" WITHOUT BEVEL
 UP TO 1/2" WITH A 2:1 (GV) BEVEL.
 2. ALL ELEVATIONS SHOWN ARE TO FORM GRADE OR TOP OF SLAB.

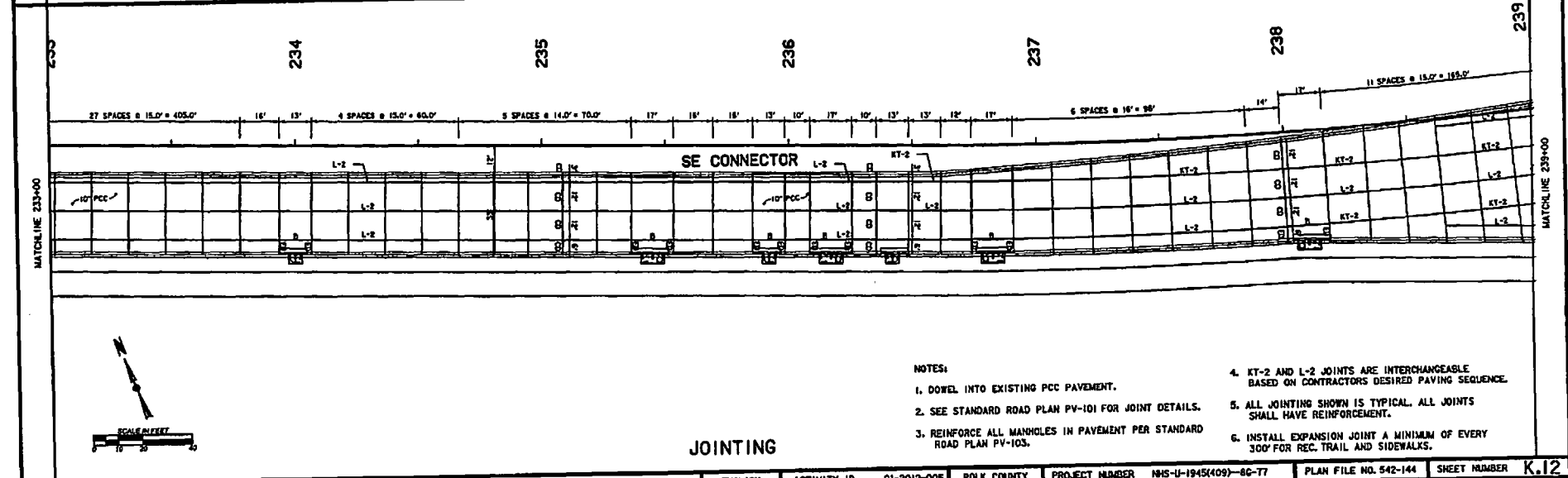
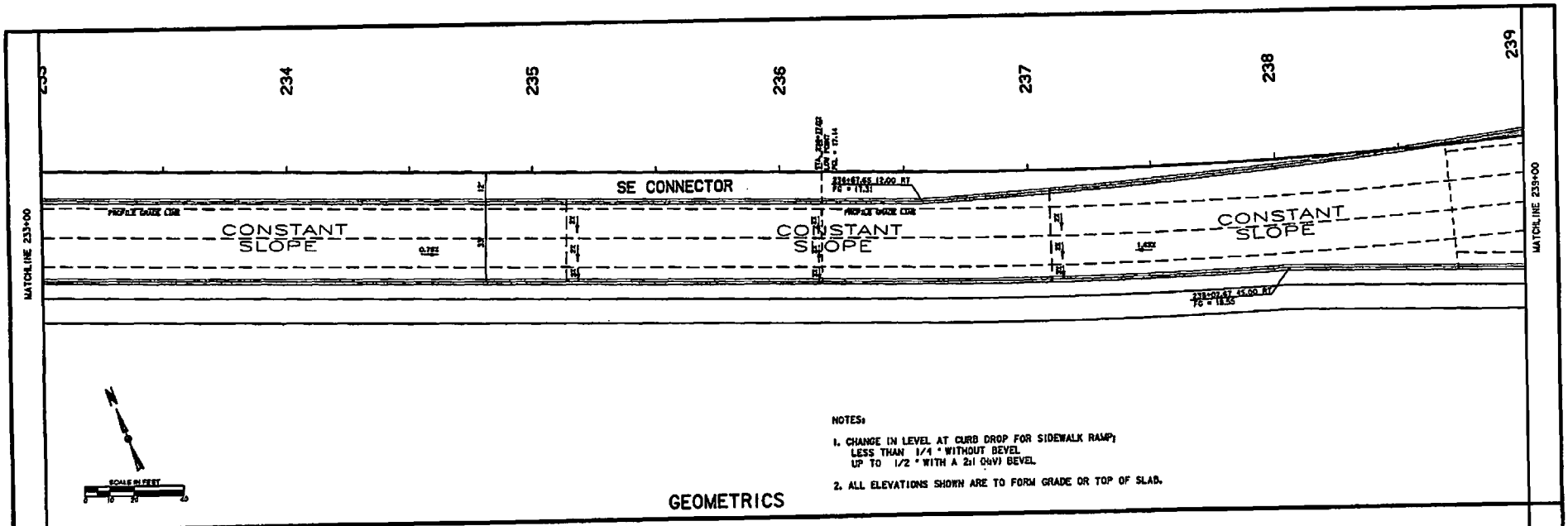
GEOMETRICS



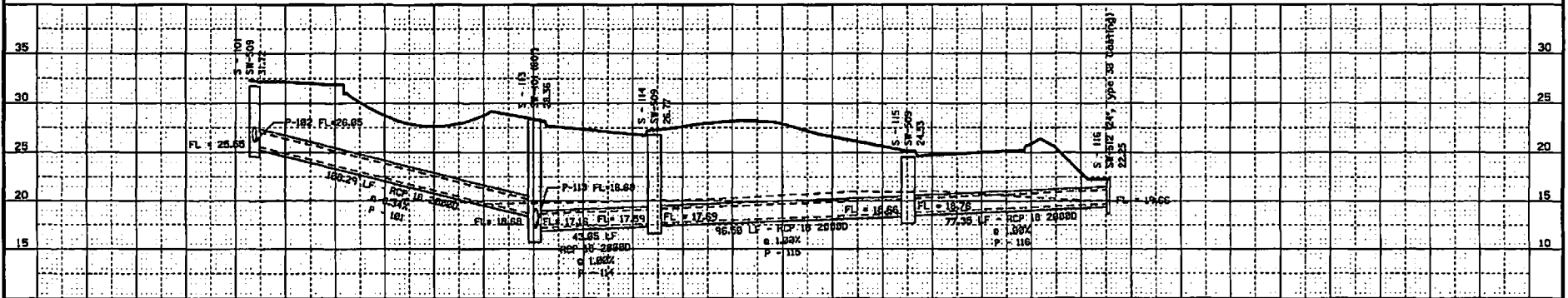
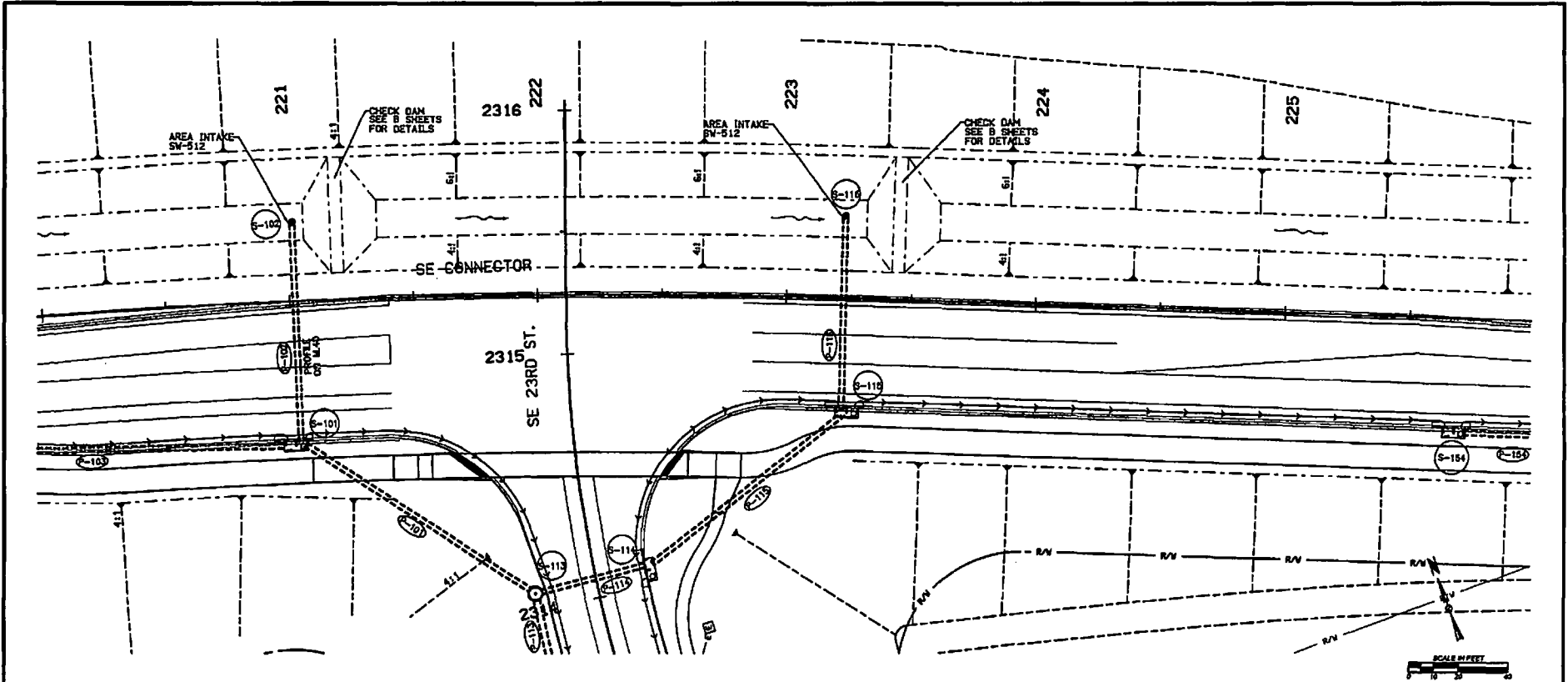
NOTES:
 1. DOWEL INTO EXISTING PCC PAVEMENT.
 2. SEE STANDARD ROAD PLAN PV-101 FOR JOINT DETAILS.
 3. REINFORCE ALL MANHOLES IN PAVEMENT PER STANDARD ROAD PLAN PV-103.
 4. KT-2 AND L-2 JOINTS ARE INTERCHANGEABLE BASED ON CONTRACTORS DESIRED PAVING SEQUENCE.
 5. ALL JOINTING SHOWN IS TYPICAL. ALL JOINTS SHALL HAVE REINFORCEMENT.
 6. INSTALL EXPANSION JOINT A MINIMUM OF EVERY 300' FOR REC. TRAIL AND SIDEWALKS.

JOINTING

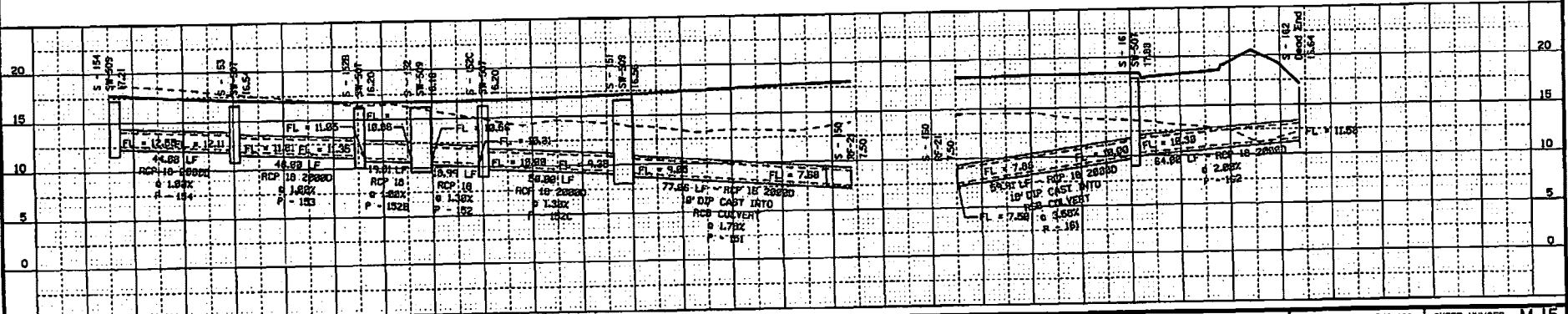
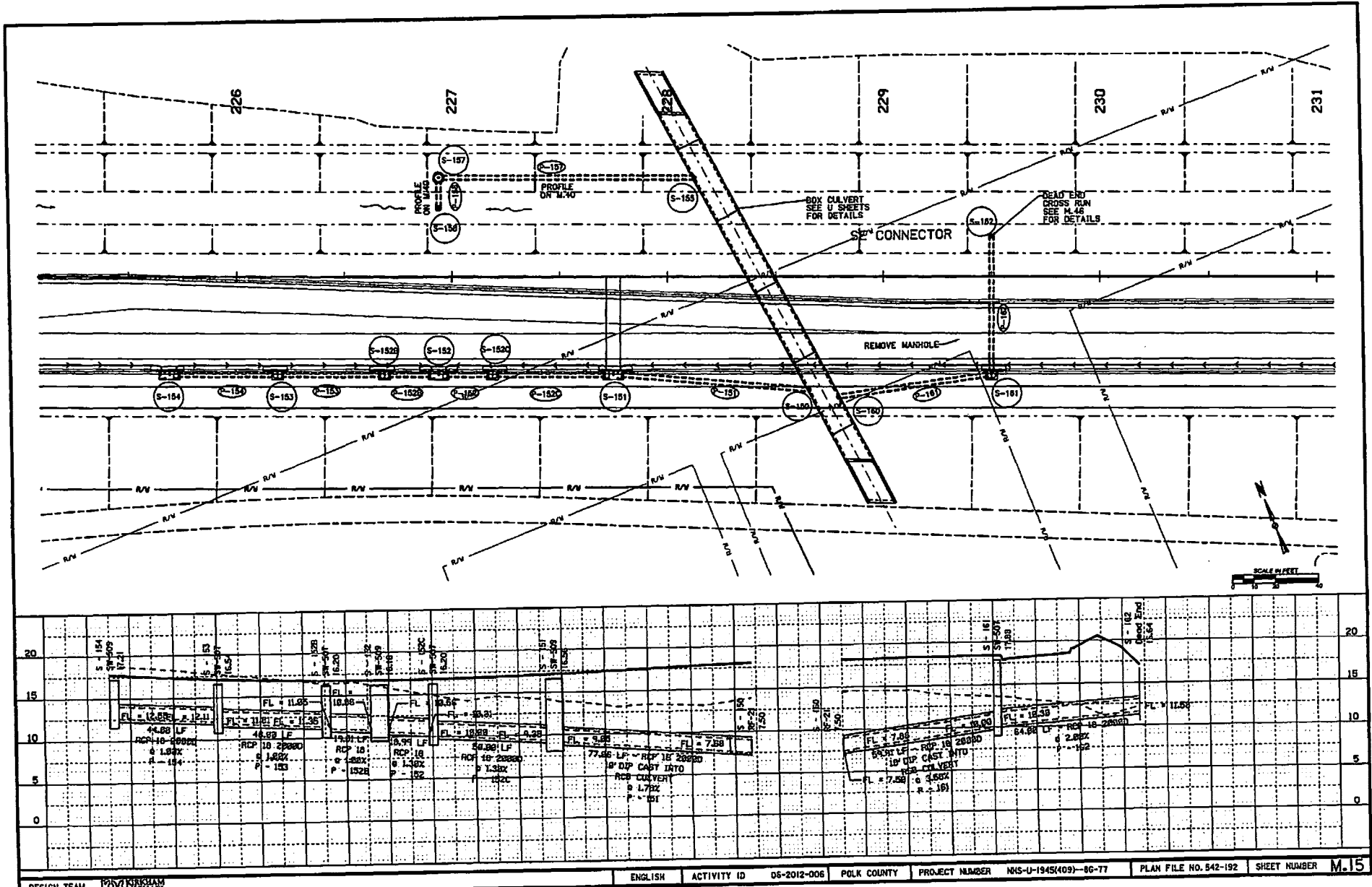
DESIGN TEAM	ENGLISH	ACTIVITY ID	01-2012-005	POLK COUNTY	PROJECT NUMBER	NHS-U-1945(409)-86-77	PLAN FILE NO.	542-143	SHEET NUMBER	K, 11
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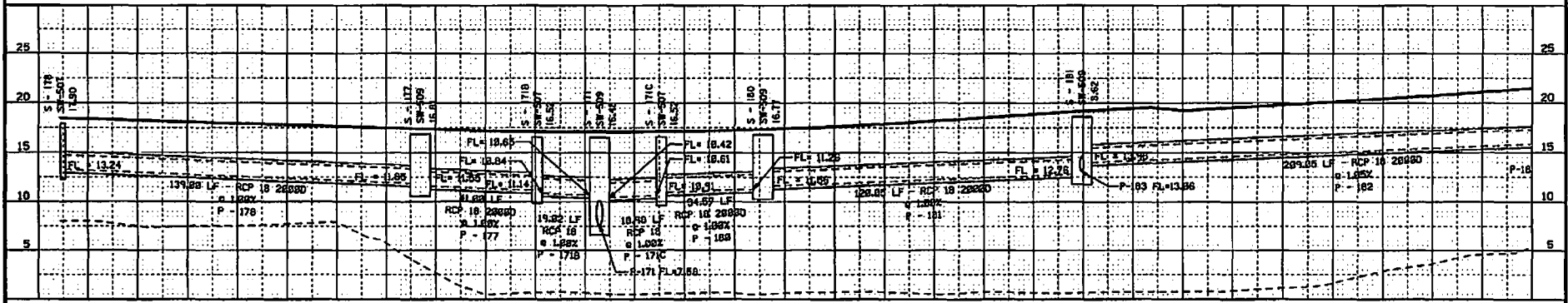
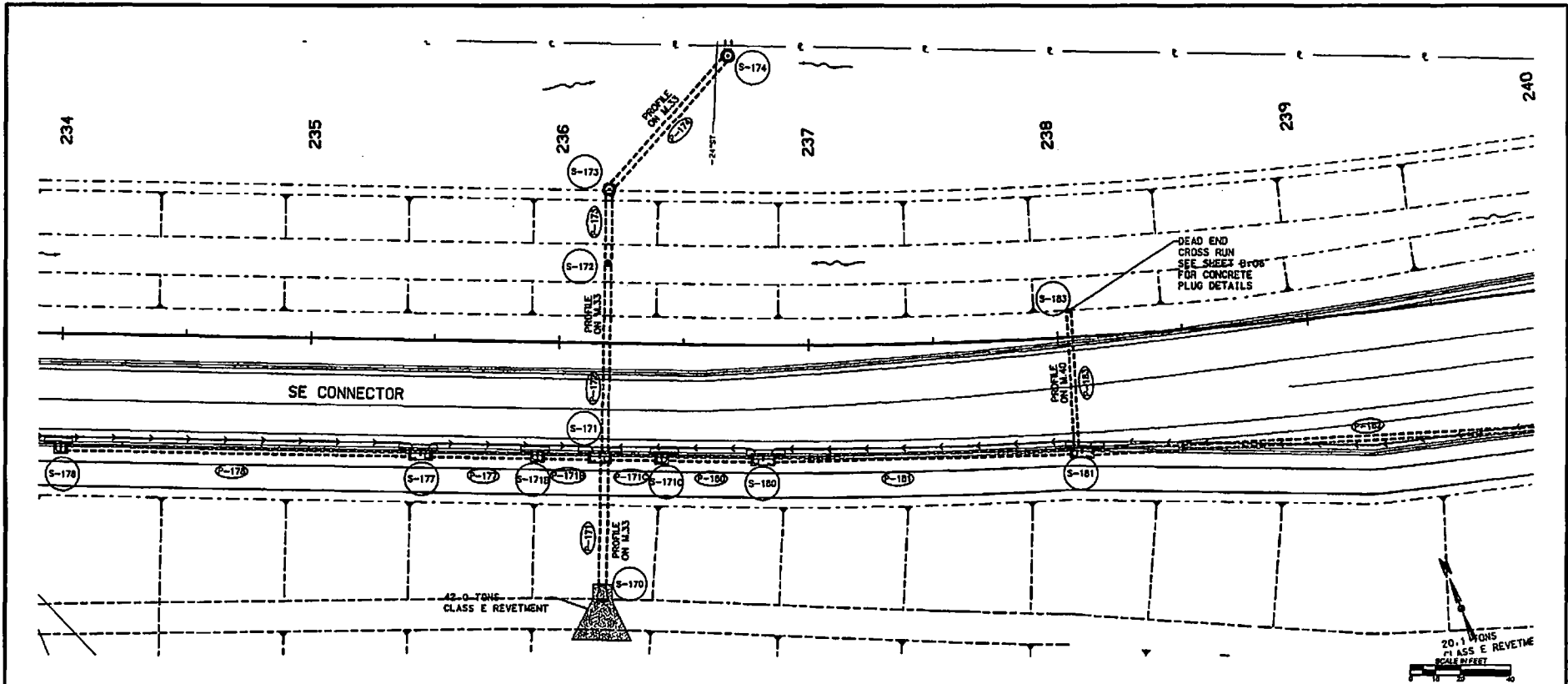
DESIGN TEAM	KIM KIRKHAM NORM MICHAEL	ENGLISH	ACTIVITY ID	01-2012-005	POLK COUNTY	PROJECT NUMBER	N815-U-1945(109)-8C-77	PLAN FILE NO.	542-144	SHEET NUMBER	K.12
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DESIGN TEAM	KIM KIRWAN MICHAEL	ENGLISH	ACTIVITY ID	06-2012-006	POLK COUNTY	PROJECT NUMBER	NRIS-U-1945(409)-60-77	PLAN FILE NO.	542-191	SHEET NUMBER	M. 4
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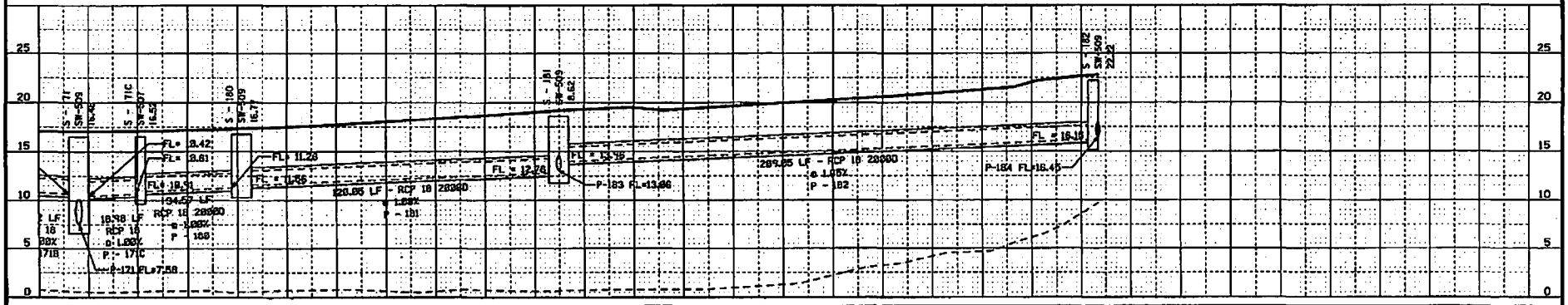
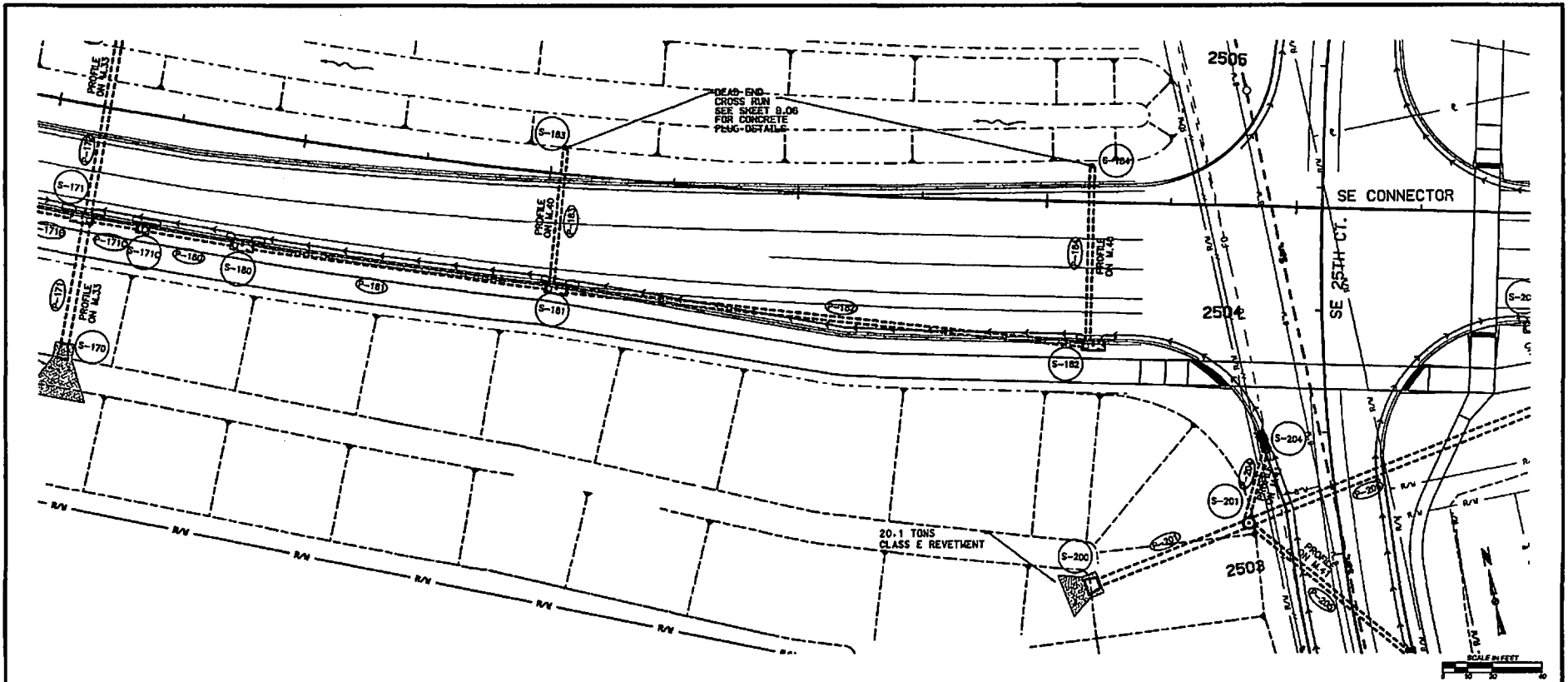


DESIGN TEAM	 MICHAEL BAKER CORPORATION	ENGLISH	ACTIVITY ID	05-2012-006	POLK COUNTY	PROJECT NUMBER	NHS-U-1945(409)-06-77	PLAN FILE NO.	542-192	SHEET NUMBER	M.15
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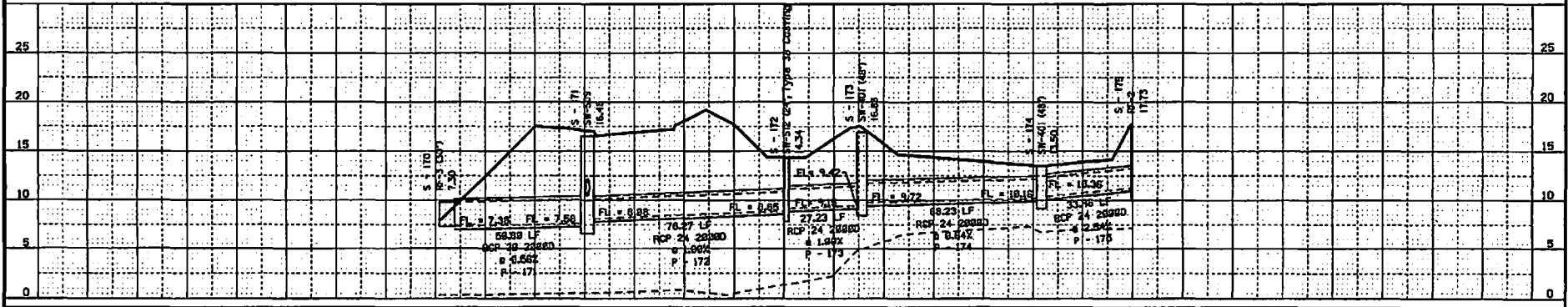
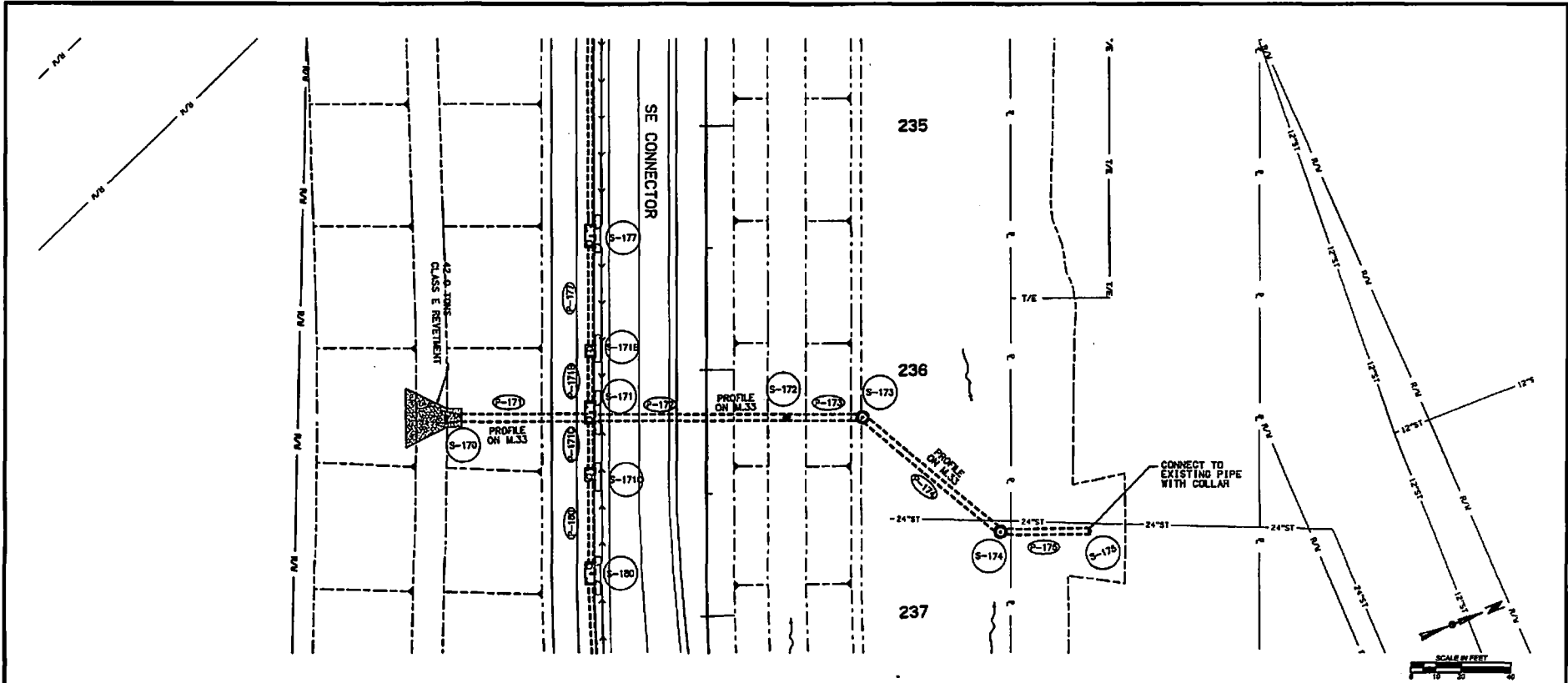
DESIGN TEAM MORRIS & MICHAEL	ENGLISH	ACTIVITY ID 06-2012-006	POLK COUNTY	PROJECT NUMBER MIS-U-1945(409)-06-77	PLAN FILE NO. 542-193	SHEET NUMBER M.16
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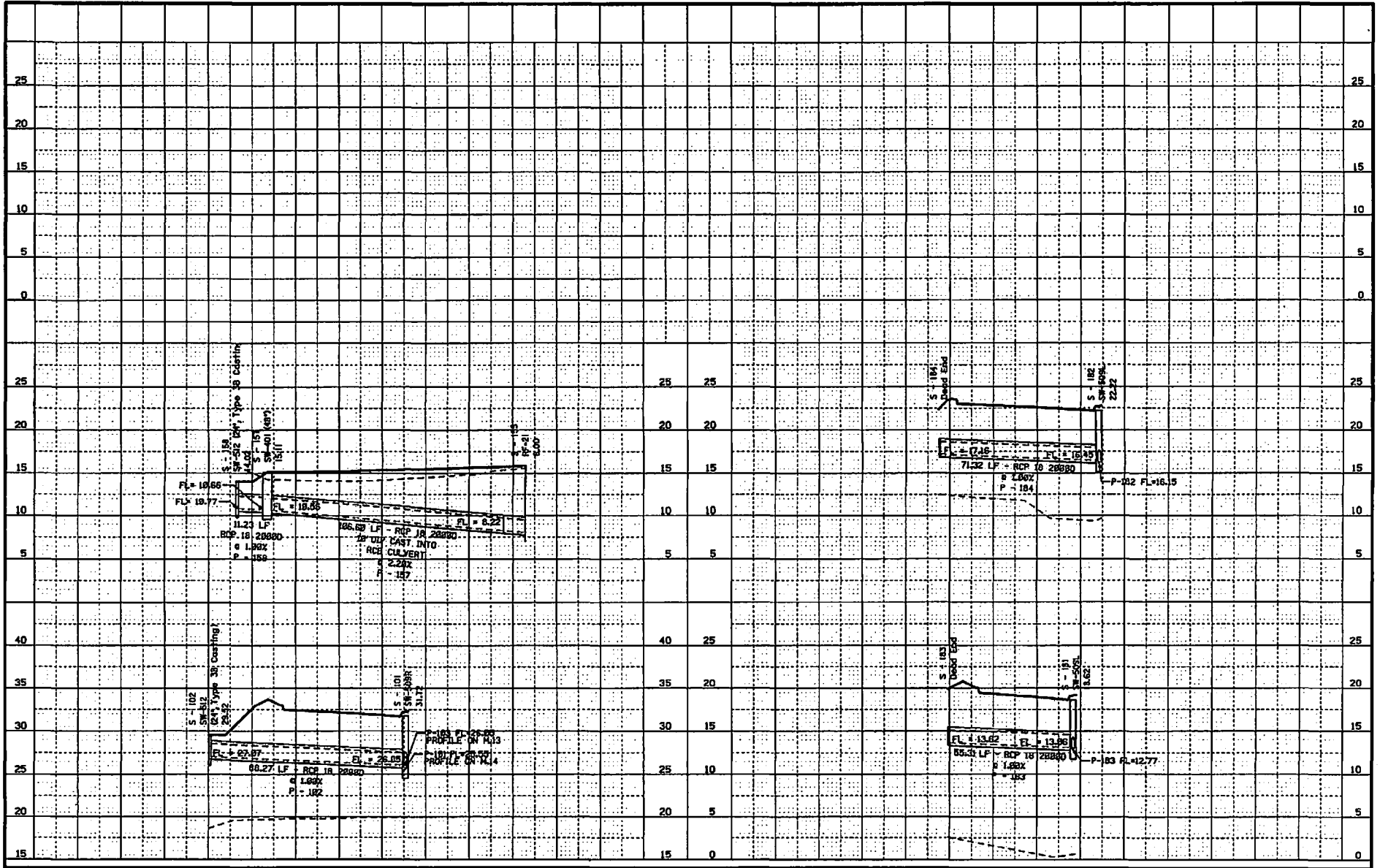
DESIGN TEAM	ENGLISH	ACTIVITY ID	06-2012-006	POLK COUNTY	PROJECT NUMBER	NHS-U-1945(409)-80-77	PLAN FILE NO.	542-194	SHEET NUMBER	M.17
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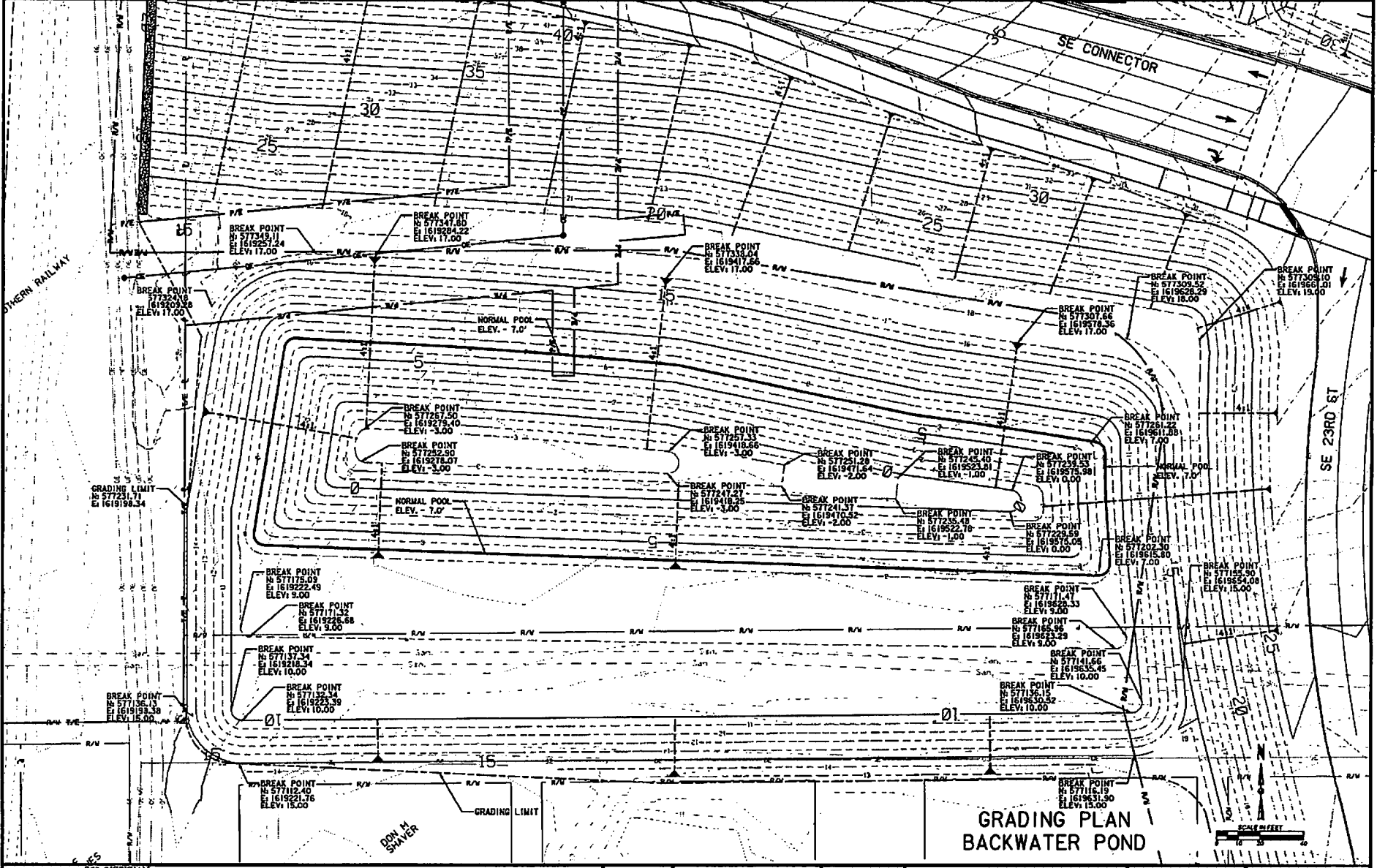
DESIGN TEAM	KOZAK KIMBERLY MORGAN	ENGLISH	ACTIVITY ID	06-2012-006	POLK COUNTY	PROJECT NUMBER	NHS-U-1945(409)-86-T7	PLAN FILE NO.	542-210	SHEET NUMBER	M.33
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DESIGN TEAM	KIRKHAM MICHAEL	ENGLISH	ACTIVITY ID	06-2012-006	POLK COUNTY	PROJECT NUMBER	NHS-U-1945(409)-86-77	PLAN FILE NO.	542-217	SHEET NUMBER	M.40
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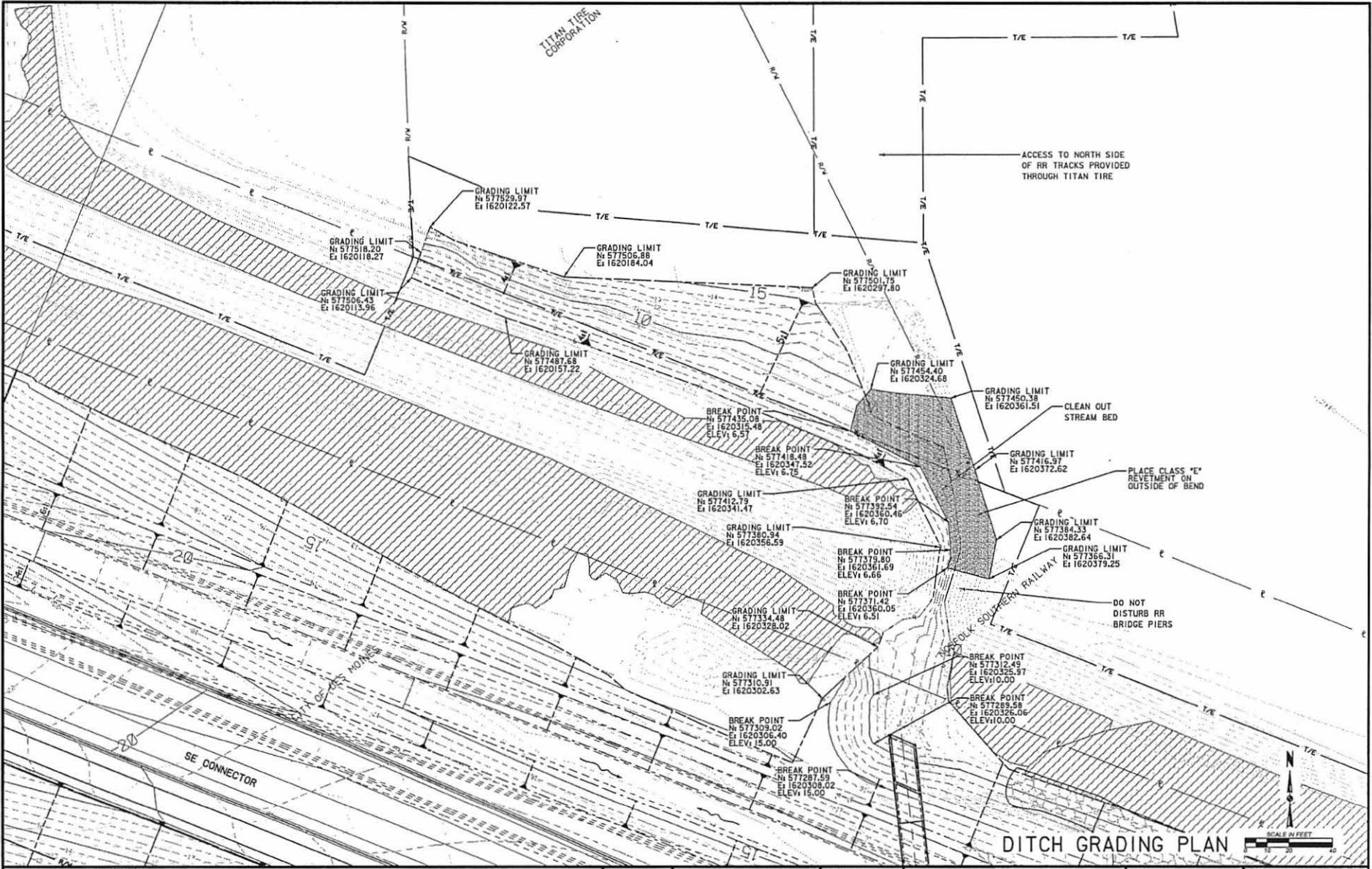
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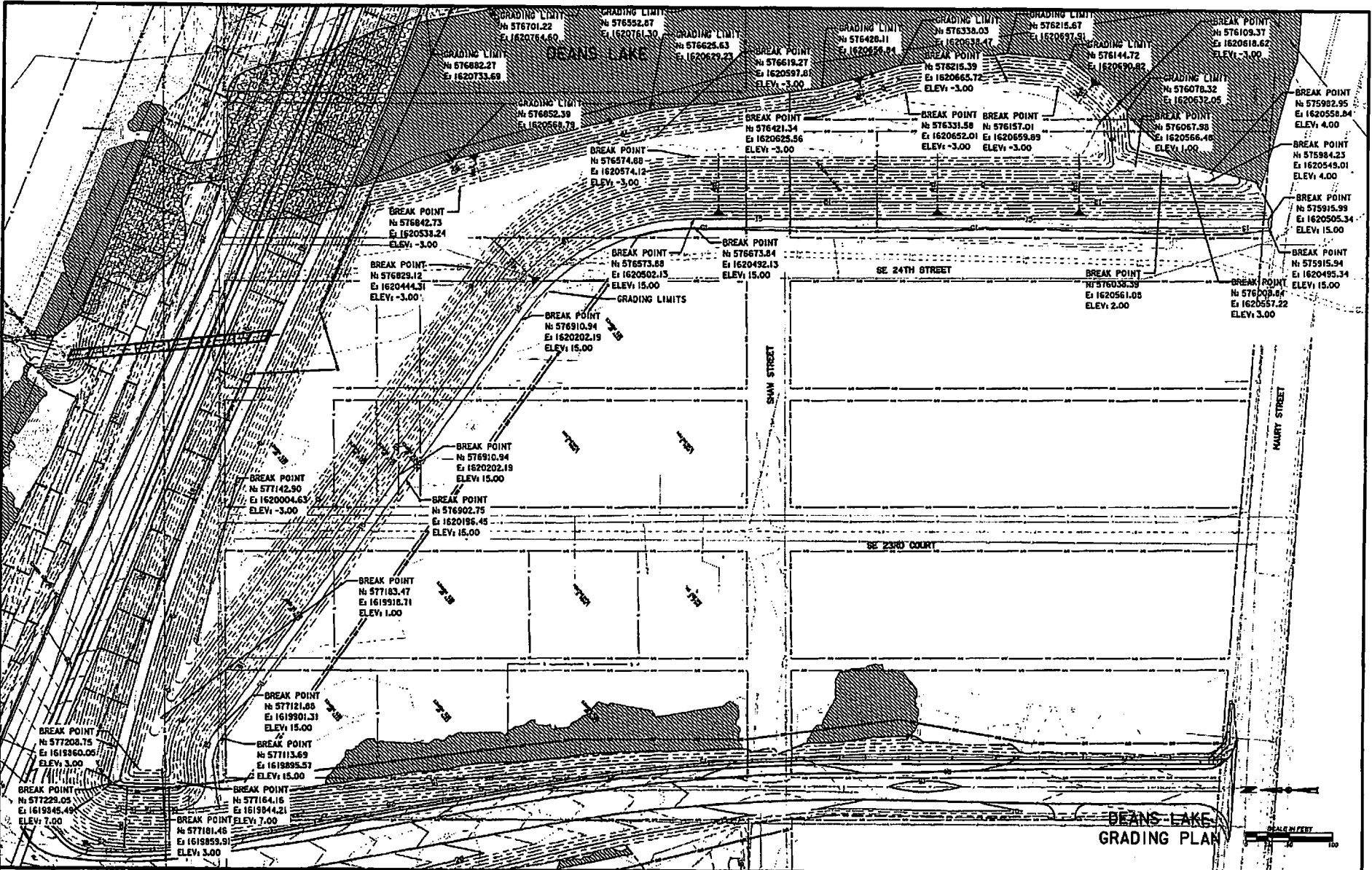
**GRADING PLAN
BACKWATER POND**

DESIGN TEAM	KIRKHAM MICHAE	ENGLISH	ACTIVITY ID	06-2012-006	POLK COUNTY	PROJECT NUMBER	NHS-U-1945(409)-86-77	PLAN FILE NO.	542-395	SHEET NUMBER	T.05
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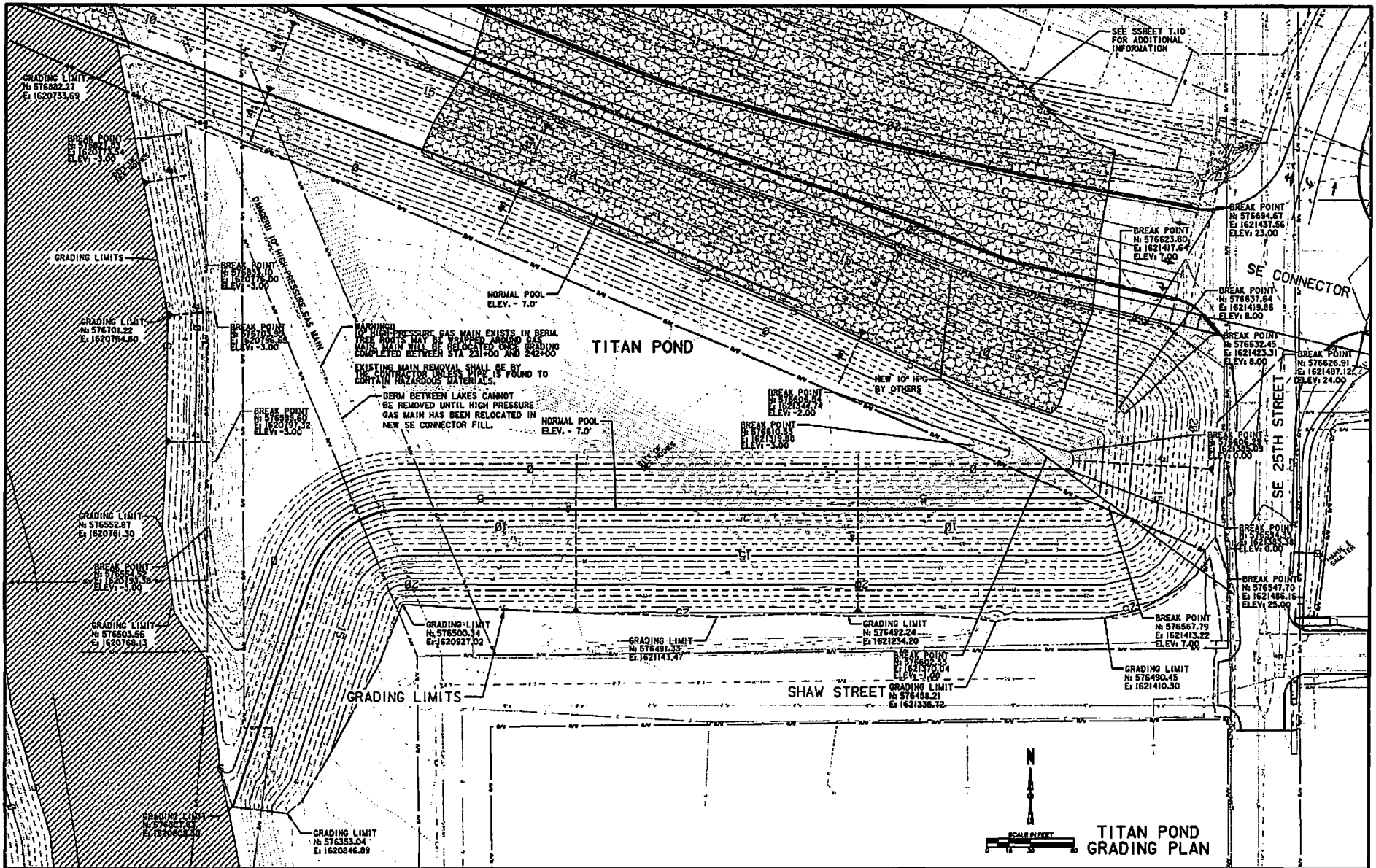
5/10/2012 h:\0506650\cad\plan\0506650_SECT15to30_1_Sheets.dgn



BEANS LAKE GRADING PLAN

DESIGN TEAM	MIRIAM MICHAEL	ENGLISH	ACTIVITY ID	06-2012-006	POLK COUNTY	PROJECT NUMBER	NIS-U-1945(409)-89-77	PLAN FILE NO.	542-397	SHEET NUMBER	T.07
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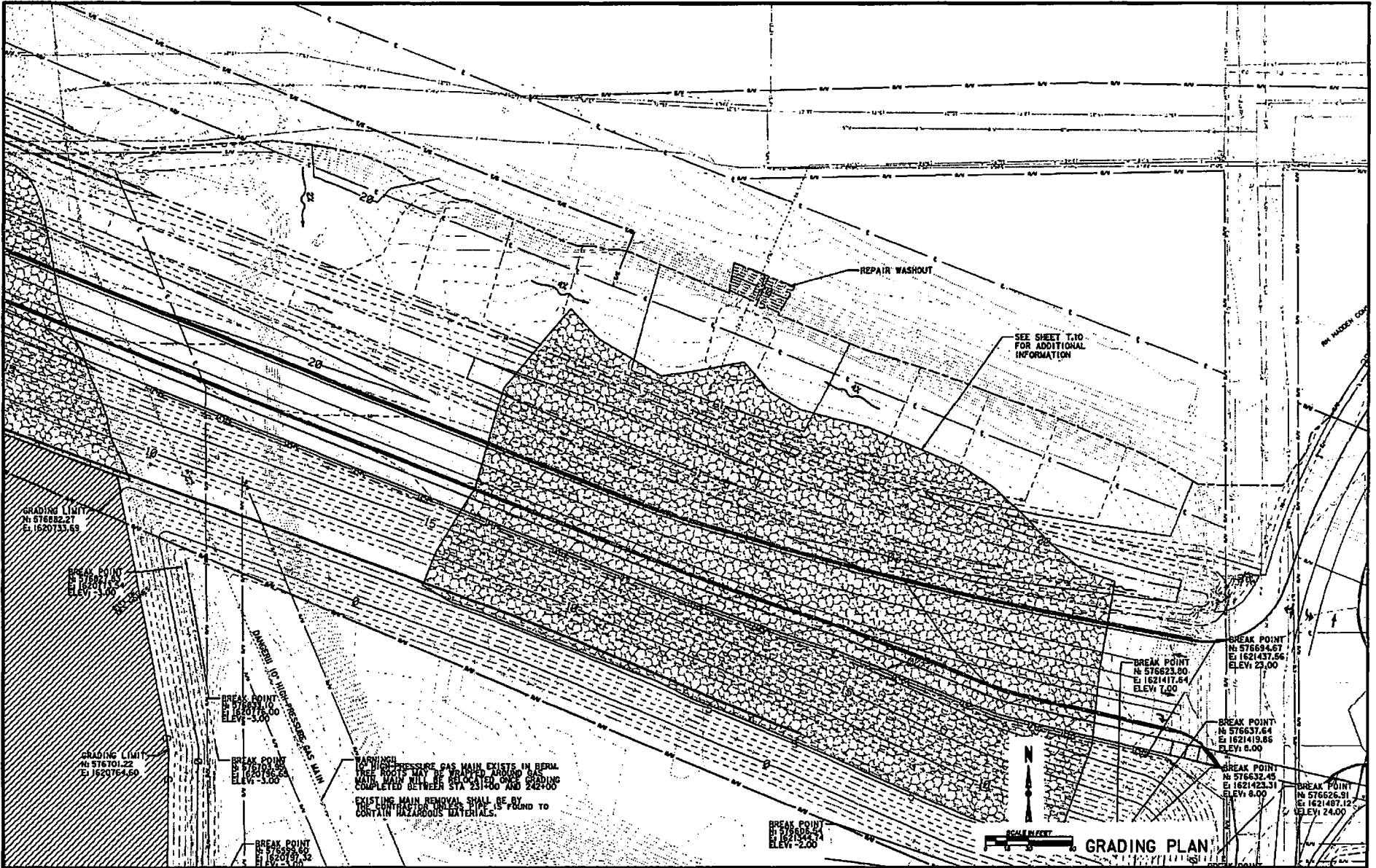
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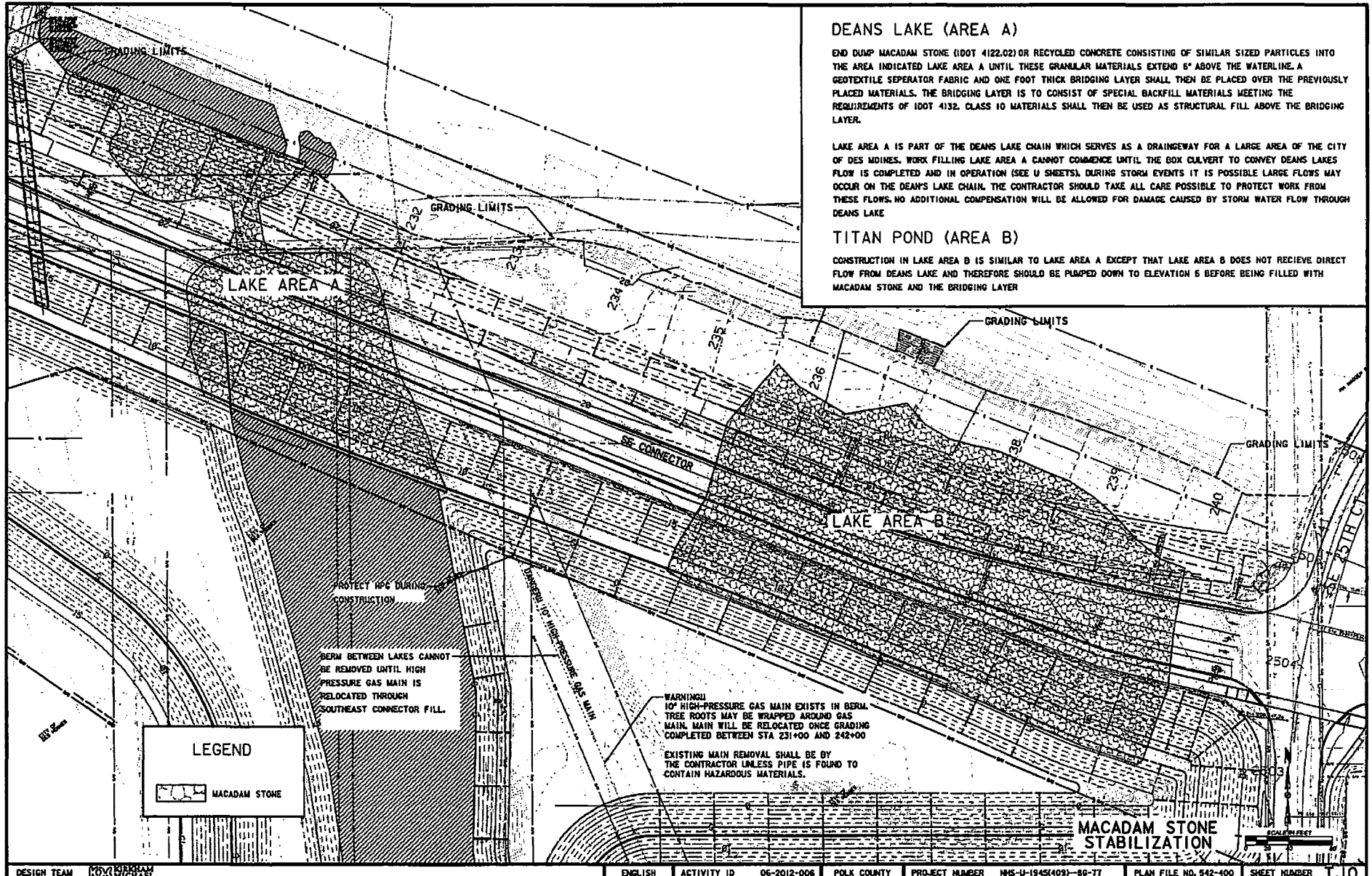
**TITAN POND
GRADING PLAN**

DESIGN TEAM MVA NEIGHAM DAN MICHAEL	ENGLISH	ACTIVITY ID	06-2012-006	POLK COUNTY	PROJECT NUMBER	NIS-U-1945(409)-86-77	PLAN FILE NO. 542-398	SHEET NUMBER	T.08
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DESIGN TEAM	RYAN BURHAM LEON MICHAEL	ENGLISH	ACTIVITY ID	06-2012-006	POLK COUNTY	PROJECT NUMBER	NHS-U-1945(409)-86-77	PLAN FILE NO.	542-399	SHEET NUMBER	T.09
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GENERAL NOTES:

- IT IS THE INTENT OF THIS DESIGN TO CONSTRUCT A NEW SINGLE 10'x6'x184'-0 REINFORCED CONCRETE BOX CULVERT AT 28° SKEW RIGHT AHEAD AT STATION 228+43.
- FAINT LINES ON TRACINGS AND FAINT LINES ON PRINTS INDICATE EXISTING STRUCTURES. UTILITY COMPANIES AND MUNICIPALITIES WHOSE FACILITIES ARE SHOWN ON THE PLANS OR KNOWN TO BE WITHIN THE CONSTRUCTION LIMITS SHALL BE NOTIFIED BY THE CONTRACTOR OF THE STARTING DATE.
- THE RCB CULVERT SECTION IS DESIGNED FOR HL-93 LIVE LOAD AND EARTH FILL OF 5 FEET.
- THE RCB CULVERT SECTIONS ARE DESIGN FOR CLASS I EXPOSURE CONDITIONS.
- ALL SLAB AND FLOOR REINFORCING STEEL IS TO BE SUPPORTED AT INTERVALS OF NOT MORE THAN 3'-0 IN EITHER DIRECTION AS OUTLINED IN THE STANDARD SPECIFICATIONS.
- THE CLEAR DISTANCE FROM FACE OF CONCRETE TO NEAR EDGE OR END OF REINFORCING BAR TO BE 2" UNLESS OTHERWISE NOTED.
- EXCEPT FOR DOWEL BARS S_r IN SLAB, LONGITUDINAL REINFORCING IS NOT TO EXTEND THROUGH THE CONSTRUCTION JOINTS.
- FLOOR OF BARREL IS TO BE FINISHED SMOOTH. SIDES OF FOOTING ARE TO BE FORMED TO INSURE CORRECT LINE AND GRADE.
- THE PERMISSIBLE CONSTRUCTION JOINT AT THE TOP OF THE WALLS MAY BE LOWERED AT THE CONTRACTOR'S OPTION WITH ENGINEER'S APPROVAL.
- THE REINFORCEMENT SUPPLIED FOR THIS STRUCTURE SHALL BE GRADE 60 REINFORCEMENT IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. THE DESIGN STRESSES ARE BASED ON GRADE 60 REINFORCEMENT.
- THE VERTICAL BARS IN THE WALLS MAY BE SPLICED ABOVE THE FOOTING AT THE CONTRACTOR'S OPTION AS FOLLOWS:

BAR SIZE NUMBER	4	5	6	7	8	9
MINIMUM SPLICE LENGTH	17"	21"	25"	31"	41"	51"

 THIS SPLICE, IF USED, WILL BE AT THE CONTRACTOR'S EXPENSE.
- REINFORCING BAR CLEARANCES WILL BE AS FOLLOWS:

EDGE CLEARANCES:	2" EXCEPT
TOP OF FLOOR	2 1/2" TO NEAR TRANSVERSE REINFORCING BAR
BOTTOM OF FLOOR	3 1/2" TO NEAR TRANSVERSE REINFORCING BAR
END CLEARANCES:	2"
VERTICAL TOP	3" OR 3 1/2" IF OVERALL HEIGHT OF THE CULVERT IS NOT TO A FULL INCH
TRANSVERSE	2"
- ALL CONSTRUCTION JOINTS SHALL BE FORMED WITH A BEVELED KEYWAY.
- ALL BEVELED KEYWAYS SHALL BE CENTERED.
- KEYWAY SIZE SHALL BE 2x4.
- KEYWAY DIMENSIONS SHOWN ON THE PLANS ARE BASED ON NOMINAL DIMENSIONS UNLESS STATED OTHERWISE. IN ADDITION, THE BEVEL USED ON THE KEYWAY SHALL BE LIMITED TO A MAXIMUM OF 10 DEGREES FROM VERTICAL.
- ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED OR SHOWN.
- CONCRETE FORMS ARE REQUIRED TO REMAIN IN PLACE 5 DAYS OR LONGER IN ACCORDANCE WITH ARTICLE 2403.03, M, 2, OF THE STANDARD SPECIFICATIONS, EXCEPT THE MINIMUM CONCRETE FLEXURAL STRENGTH REQUIRED BEFORE REMOVAL OF FORMS SHALL BE 575 PSI.

19. THESE CULVERT STANDARDS LABEL ALL REINFORCING STEEL WITH ENGLISH NOTATION (S₀₁ IS 1/8 INCH DIAMETER BAR, ENGLISH REINFORCING STEEL RECEIVED IN THE FIELD MAY DISPLAY THE FOLLOWING "BAR DESIGNATION". THE "BAR DESIGNATION" IS THE STAMPED IMPRESSION ON THE REINFORCING BARS, AND IS EQUIVALENT TO THE BAR DIAMETER IN MILLIMETERS.

ENGLISH SIZE	4	5	6	7	8	9
BAR DESIGNATION	13	16	19	22	25	29

20. WHEN DE-WATERING PRESENTS A PROBLEM FOR PLACING THE CURTAIN WALLS AS DETAILED, ALTERNATE METHODS SUCH AS STEEL SHEET PILE AND PRECAST CONCRETE WALLS MAY BE APPROVED BUT AT NO ADDITIONAL COST. THE CONTRACTOR IS TO SUBMIT TO THE ENGINEER FOR APPROVAL COMPLETE DRAWINGS OF THE PROPOSED CURTAIN WALL ALTERNATE BEFORE BEGINNING CONSTRUCTION.

SPECIFICATIONS:

DESIGN: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 5TH ED, SERIES OF 2010.

CONSTRUCTION: IOWA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, CURRENT SERIES, PLUS APPLICABLE GENERAL SUPPLEMENTAL SPECIFICATIONS, DEVELOPMENTAL SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS

DESIGN STRESSES:


DESIGN STRESSES FOR THE FOLLOWING MATERIALS ARE IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 5TH ED., SERIES OF 2010: REINFORCING STEEL IN ACCORDANCE WITH AASHTO LRFD SECTION 5, GRADE 60. CONCRETE IN ACCORDANCE WITH AASHTO LRFD SECTION 5, f'_c = 4.0 KSI.

TRAFFIC CONTROL NOTE

THE CULVERT SITE IS ON A NEW ROADWAY ALIGNMENT WHICH WILL BE CLOSED TO TRAFFIC DURING CONSTRUCTION.

NOTE:

CULVERT QUANTITIES SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. SEE "C" SHEETS FOR PROJECT QUANTITIES.



I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

STEVEN B. RENEKER, P.E. DATE _____
 MY LICENSE RENEWAL DATE IS DECEMBER 31, 2014.
 LICENSE NO.: 11455

PAGES OR SHEETS COVERED BY THIS SEAL:
 SHEETS U.11 THRU U.19

SUMMARY OF REINFORCING STEEL		
LOCATION	QUANTITY (LBS.)	TOTAL (LBS.)
P.W. HEADWALLS 30° SKEW (2 REQ'D.)	2 AT 3195	6392
38'-0 BARREL SECTION (4 REQ'D.)	4 AT 6918	27672
16'-0 END SECTION (2 REQ'D.)	2 AT 2913	5826
REINF. BARS "5"1" x (5 SETS)	5 AT 40	200
REINF. BARS "5"1" x (3 SETS)	3 AT 25	75
	TOTAL (LBS.)	40165

* NOTE: 5 SETS OF 11 BARS @ 3'-6 EACH BAR
 ** NOTE: 3 SETS OF 8 BARS @ 3'-0 EACH BAR

CONCRETE PLACEMENT QUANTITIES				
LOCATION	FOOTING (C.Y.)	WALLS (C.Y.)	SLAB (C.Y.)	TOTAL
P.W. HEADWALLS 30° SKEW (2 REQ'D.)	2 @ 13.6 = 27.2	2 @ 5.7 = 11.4	2 @ 1.5 = 3.0	41.6
38'-0 BARREL SECTION (3 REQ'D.)	4 @ 15.5 = 62.0	4 @ 11.9 = 47.6	4 @ 12.0 = 48.0	157.6
16'-0 END SECTION (2 REQ'D.)	2 @ 6.5 = 13.0	2 @ 5.0 = 10.0	2 @ 5.1 = 10.2	33.2
	TOTAL (CU YDS.)			232.4

* INCLUDES PARAPET AND TOP OF WINGWALL.

ESTIMATED CULVERT QUANTITIES					
ITEM NO.	ITEM CODE	ITEM	UNIT	TOTAL	AS BUILT QUANTITY
6	2104-2110020	EXCAVATION, CLASS 10, CHANNEL	CY	350.0	
9	2107-0425020	COMPACTING BACKFILL ADJACENT TO B.C. & S.	CY	156.0	
31	2402-2720000	EXCAVATION, CLASS 20	CY	1938.0	
33	2403-0100020	STRUCTURAL CONCRETE (RCB CULVERT)	CY	232.4	
34	2404-7775000	REINFORCING STEEL	LB	40165.0	
90	2504-0116018	SAN. SWR. GRAVITY MAIN, DIP, 18"	LF	30.0	
97	2507-3250005	ENGINEERING FABRIC	SY	276.0	
98	2507-6800061	REVETMENT CLASS "E" RIPRAP	TON	273.0	
118	2519-1001000	FENCE, CHAIN LINK, VINYL COATED, 72 IN., ON WALL	LF	106.0	

ESTIMATE REFERENCE INFORMATION		
ITEM NO.	ITEM CODE	DESCRIPTION
6	2104-2710020	SEE SHEET U.12 FOR MORE INFORMATION
9	2107-0425020	COMPACT BACKFILL TO ELEVATION OF TOP OF CULVERT
31	2402-2720000	SEE SHEET U.12 FOR MORE INFORMATION
33	2403-0100020	SEE SHEET U.11 FOR MORE INFORMATION, CERTIFIED PLANT INSPECTION REQUIRED
34	2404-7775000	SEE SHEETS U.11 - U.18 FOR MORE INFORMATION
90	2504-0116018	FOR USE AS STORM SEWER, SEE SHEET U.15 AND SHEET U.14 FOR MORE INFORMATION. PIPE TO BE CAST INTO RCB CULVERT CONNECT RCP STORM PIPE WITH COLLAR RF-2, COLLAR SHALL BE INCIDENTAL TO THIS BID ITEM
97	2507-3250005	REFER TO "M" SHEETS AND SHEET U.12 FOR MORE INFORMATION, FABRIC TO BE PLACED UNDER CLASS "E" REVETMENT
98	2507-6800061	REFER TO "M" SHEETS AND SHEET U.12 FOR MORE INFORMATION, REVETMENT TO BE PLACED AT LEAST 2" THICK AT ALL STORM SEWER OUTLETS AND AT ENDS OF RCB CULVERT
118	2519-1001000	FENCE TO BE INSTALLED ON RCB CULVERT HEADWALL, SEE SHEET U.19 FOR MORE INFORMATION

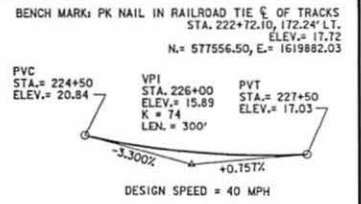
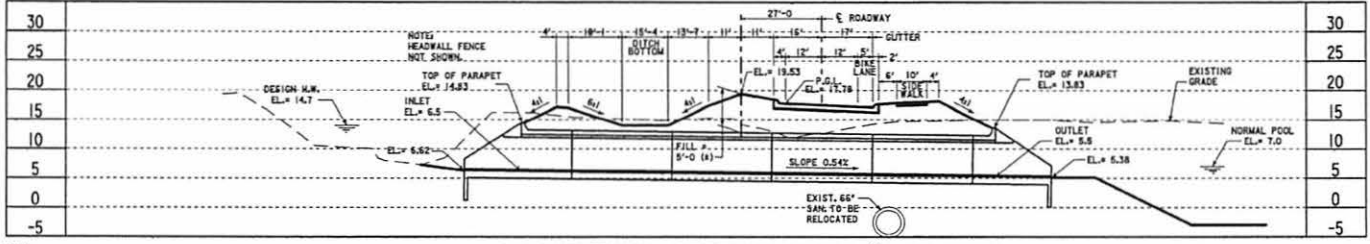
DESIGN FOR 28° SKEW (R.A.) W/ 30° P.W. HEADWALLS
10' x 6' x 184'-0 REINFORCED CONCRETE BOX CULVERT

GENERAL NOTES AND QUANTITIES

STA. 228+43 MARCH, 2013
POLK COUNTY

IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION
 DESIGN SHEET NO. _____ OF _____ FILE NO. _____ DESIGN NO. _____

Page 36 of 75



NOTES:
ALL UNITS ARE IN FEET UNLESS NOTED OTHERWISE.

LONGITUDINAL SECTION ALONG CULVERT

PROPOSED GRADE

LOCATION

SOUTEAST CONNECTOR
INLET TO DEAN'S LAKE
T-78 W R-24 W
SECTION 12
LATITUDE 41.58417°
LONGITUDE 93.57335°
CITY OF DES MOINES
POLK COUNTY

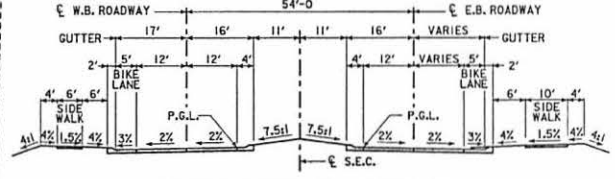
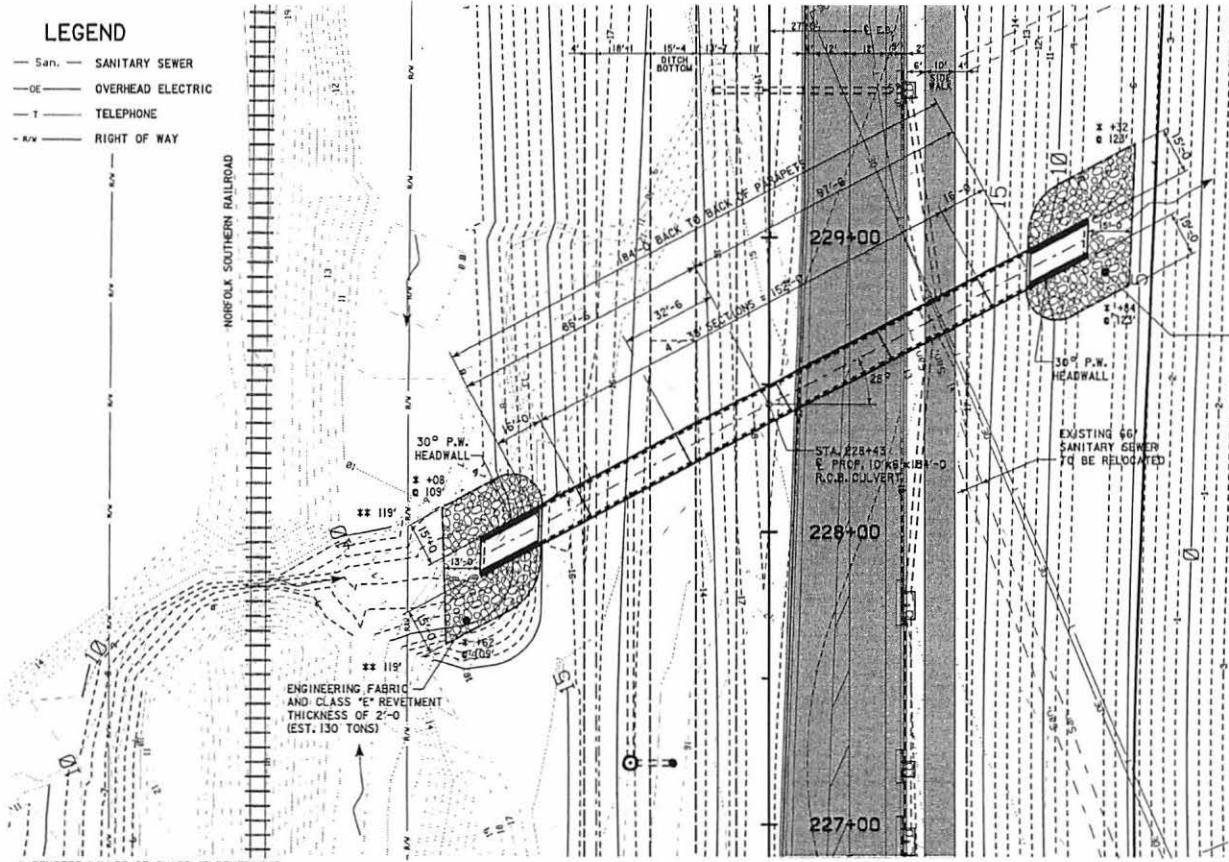
HYDRAULIC DATA

DRAINAGE AREA = 2300 ACRES
HW ELEV. = 14.7
FOR DESIGN Q'S SEE HYDRAULIC STUDY;
DEANS LAKE HYDROLOGY AND
HYDRAULIC ANALYSIS
PREPARED BY:
HOWARD R. GREEN COMPANY
JANUARY 2008
UPDATED MARCH 2013

TRAFFIC ESTIMATE

2030 AADT	24000	V.P.D.
2030 DHV	2400	V.P.H.
TRUCKS	15	%

- LEGEND
- San. - SANITARY SEWER
 - OE - OVERHEAD ELECTRIC
 - T - TELEPHONE
 - R/W - RIGHT OF WAY



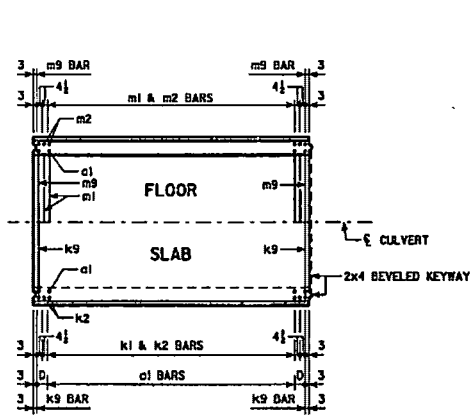
FUTURE TYPICAL SECTION

DESIGN FOR 28° SKEW (R.A.) W/ 30° P.W. HEADWALLS
10' x 6' x 184'-0" REINFORCED CONCRETE BOX CULVERT
 SITUATION PLAN
 STA. 228+43 MARCH, 2013
 POLK COUNTY
 IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION
 DESIGN SHEET NO. OF FILE NO. DESIGN NO.

* DENOTES LIMITS OF CLASS 'E' REVETMENT
 ** DENOTES LIMITS OF CLASS 10 CHANNEL EXCAVATION

VARIABLE DIMENSIONS AND QUANTITIES FOR 10 x 6 BARREL SECTIONS

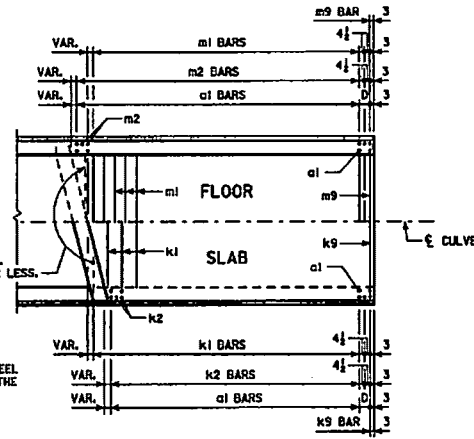
DIMENSIONS		BAR LIST																		QUANTITIES																													
FILL	S	H	A	B	C	D	a1	b1	e1	e2	f1	f2	k1	k2	k9	m1	m2	m9	CONCRETE (CY/FT)		STEEL (LB/FT)																												
							SIZE	SP.	L	SIZE	SP.	NO.	SIZE	SP.	NO.	SIZE	SP.	NO.	SIZE	SP.	L	SIZE	SP.	L	H	V	SIZE	L	SLAB	FLOOR	WALLS	TOTAL																	
4'-7"	10	6	8	10	9	9	4	12	7'-5"	4	6	24	4	12	3	4	14	6	4	12	11	4	14	6	6	6	11'-2"	3	6	6'-0"	3'-0"	3'-0"	5	11'-2"	6	6	11'-8"	5	6	3'-2"	2'-11"	6'-3"	5	11'-8"	0.316	0.407	0.313	1.036	182.05



STANDARD SECTION PLAN VIEW

CUT & RELOCATE BARS AS REQUIRED. K1 BARS ALL FILLS & K2 BARS 0' FILL ONLY. M1 BARS TO EXTEND INTO HEADWALL APRON. DISCARD CUT LENGTHS OF 2'-0" OR LESS.

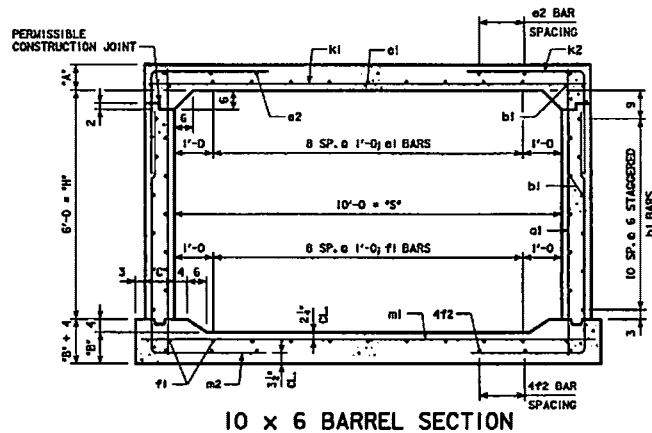
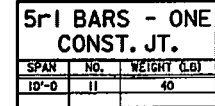
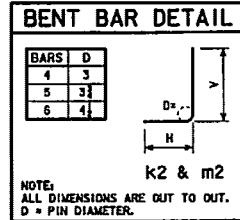
NOTE: ALL LONGITUDINAL BARREL STEEL SHALL EXTEND AT LEAST TO THE BACKFACE OF PARAPET.



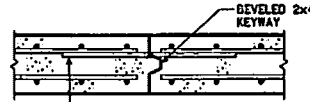
TYPICAL SKEW

END SECTION PLAN VIEWS (KEYWAYS NOT SHOWN)

NOTE: END SECTION DETAILS SHOWN ARE FOR A 15° SKEW BARREL. USE FOR SKEW OF 30° BY INCREASING THE NUMBER OF TRANSVERSE REINFORCING BARS REQUIRED TO BE CUT AND RELOCATED.



10 x 6 BARREL SECTION



ONE SET OF 5x1 x 3'-6" DOWEL BARS @ 1'-0" SPACING REQUIRED IN SLAB AT ALL CULVERT BARREL JOINTS, EXCEPT JOINTS WITH BELL JOINTS. SEE TABLE FOR NUMBER REQUIRED AND TOTAL WEIGHT.

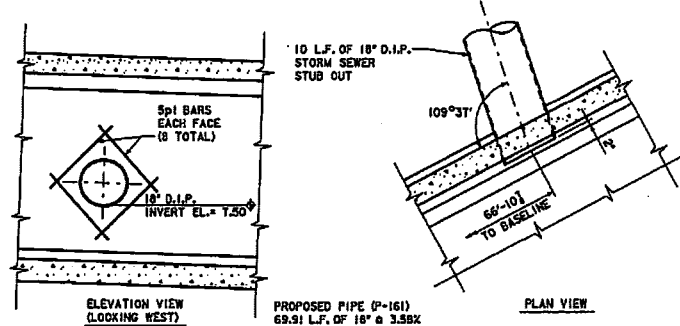
TOP SLAB CONSTRUCTION JOINT DETAIL

NOTES:

1. THE K2 AND M2 BARS HORIZONTAL LEGS MAY LAP IN LOW FILL SITUATIONS.
2. DIMENSIONS "A", "B", "C", "D", AND "SP." LISTED IN THE BAR LIST ARE IN INCHES.

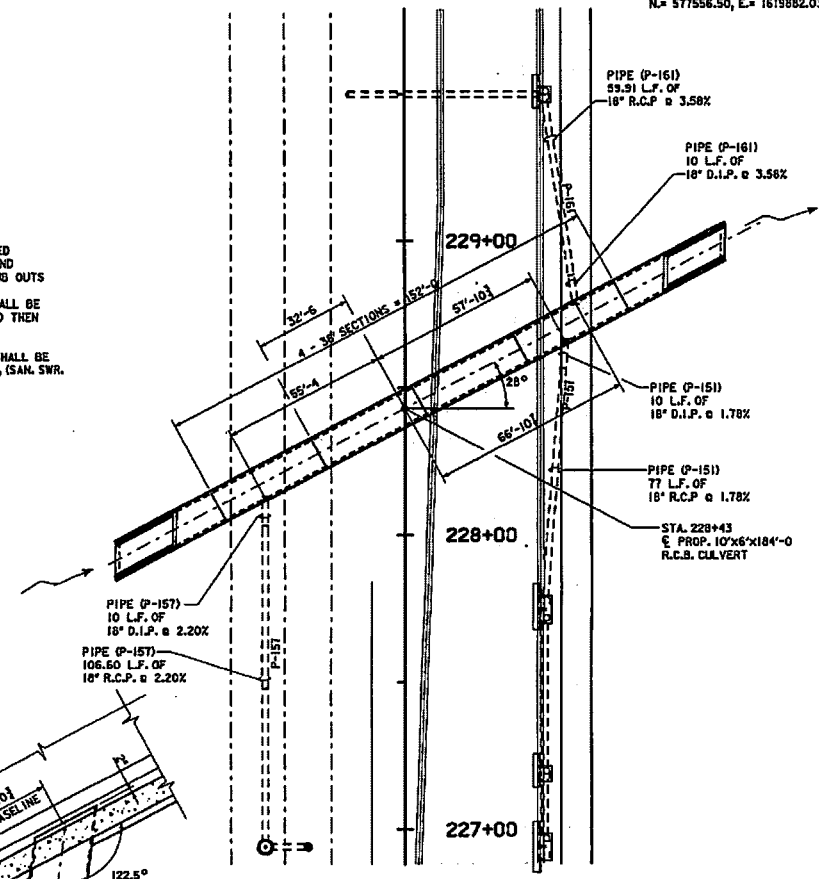
DESIGN FOR 28° SKEW (R.A.) W/ 30° P.W. HEADWALLS
10' x 6' x 184'-0" REINFORCED CONCRETE BOX CULVERT
CULVERT BARREL DETAILS
 STA. 228+43 MARCH, 2013
POLK COUNTY
 IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION
 DESIGN SHEET NO. _____ OF _____ FILE NO. _____ DESIGN NO. _____

BENCH MARK: PK NAIL IN RAILROAD TIE E. OF TRACKS
 STA. 222+72.10, 172.24' LT.
 ELEV. = 17.12
 N. = 577556.50, E. = 1619882.03

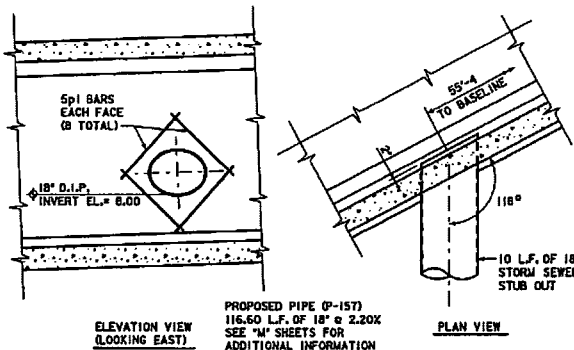


**18" STORM SEWER DETAIL
 (PIPE P-161)**

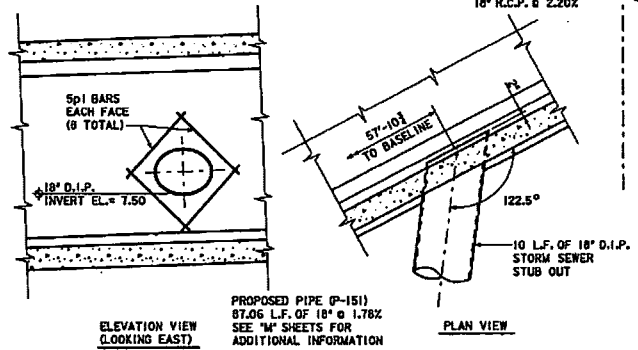
- NOTES:
1. FIELD CUT ALL WALL BARS AS REQUIRED TO MAINTAIN MIN. 2" CLEARANCE AROUND PROPOSED 18" D.I.P. STORM SEWER STUB OUTS
 2. ALL STORM SEWER STUB OUT PIPES SHALL BE PROJECTED 2" INTO INTERIOR WALL AND THEN CUT OFF PARALLEL TO WALL FACE.
 3. ALL DUCTILE IRON PIPE (D.I.P.) CUTS SHALL BE CONSIDERED INCIDENTAL TO BID ITEM, (SAN. SWR. GRAVITY MAIN, D.I.P., 18")



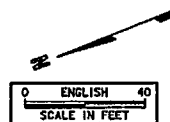
LAYOUT PLAN VIEW



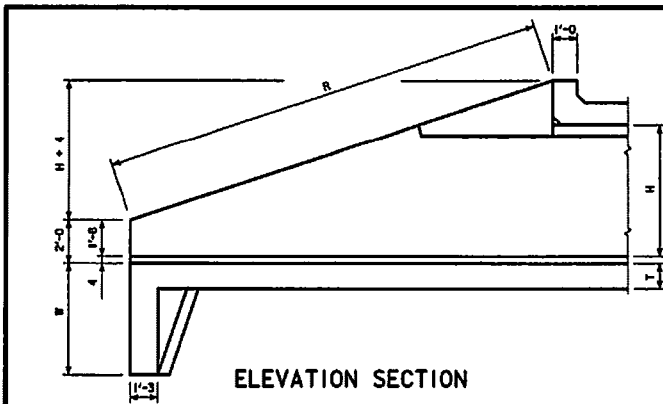
**18" STORM SEWER DETAIL
 (PIPE P-157)**



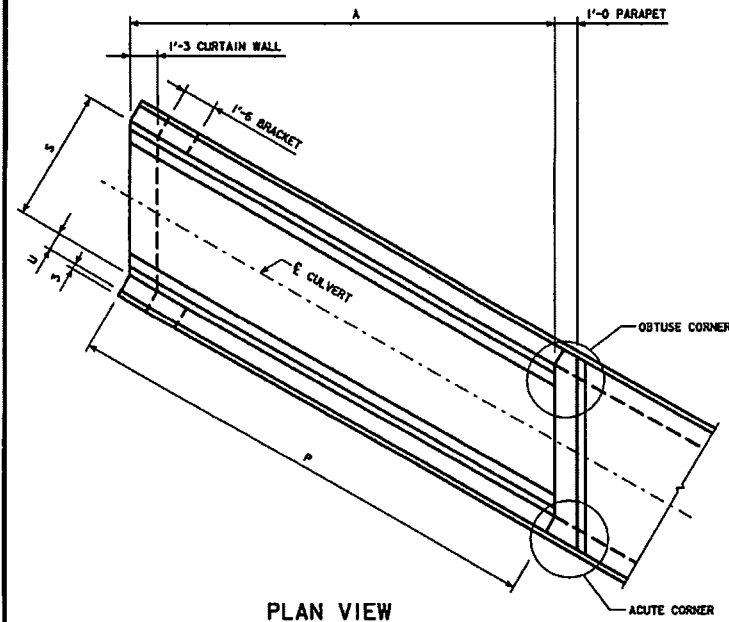
**18" STORM SEWER DETAIL
 (PIPE P-151)**



DESIGN FOR 28° SKEW (R.A.) W/ 30° P.W. HEADWALLS
10' x 6' x 184'-0 REINFORCED CONCRETE BOX CULVERT
STORM SEWER PIPE INLET DETAILS
 STA. 228+43 MARCH, 2013
POLK COUNTY
 IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION
 DESIGN SHEET NO. OF FILE NO. DESIGN NO.



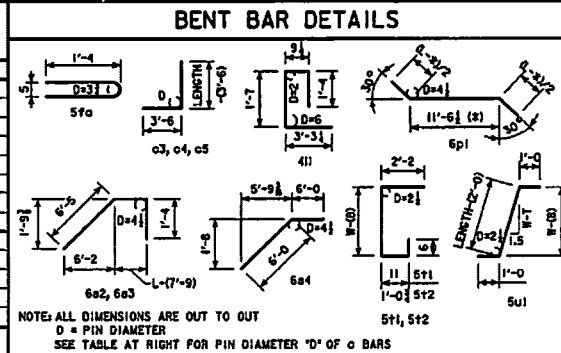
ELEVATION SECTION



PLAN VIEW

DIMENSION TABLE	
S x H	10' x 6'
A	19'-0"
H	6'-0"
P	21'-11 1/2"
R	22'-10 1/2"
S	10'-0"
T	1'-1"
U	9"
W	3'-5"
M	8'-0"
B	1'-0"
C	1'-0"
D	1'-0"
E	9"

SEE PARALLEL WING HEADWALL DETAIL DRAWINGS FOR LOCATION OF CERTAIN DIMENSIONS TABULATED.



HEADWALL NOTES:

THIS HEADWALL IS BASED ON A 3:1 SLOPE NORMAL TO CENTERLINE OF ROADWAY. THE SIDES OF THE FOOTING ARE TO BE FORMED TO INSURE CORRECT LINE AND GRADE. ALL EXPOSED CORNERS OF 90° OR SHARPER ARE TO BE FILLETED WITH A 3/4" DRESSED AND BEVELED STRIP. ALL REINFORCING IS TO BE SECURELY WIRED IN PLACE BEFORE THE CONCRETE IS POURED. ALL SLAB AND FLOOR REINFORCING STEEL IS TO BE SUPPORTED BY BAR CHAIRS AT INTERVALS OF NOT MORE THAN 3'-0" IN EITHER DIRECTION AS OUTLINED IN THE STANDARD SPECIFICATIONS. CLEAR DISTANCE FROM FACE OF CONCRETE TO NEAR REINFORCING BAR IS TO BE 2" UNLESS OTHERWISE NOTED OR SHOWN. CLEARANCE TO THE BOTTOM ENDS OF VERTICAL BARS SHALL BE 3 INCHES. CONCRETE QUANTITIES ARE ESTIMATED FROM BACK OF PARAPET. HORIZONTAL TAILS OF BARS #6 & #8 ESTIMATED TO EXTEND 2'-0" BEYOND BACK OF PARAPET (INTO END OF BARREL). LONGITUDINAL BARS #4#1 AND #6#1 ESTIMATED TO PROJECT INTO END SECTION OF BARREL A MINIMUM OF 2'-0" BEYOND BACK OF PARAPET. THE "LENGTH" COLUMN REFLECTS TOTAL NUMBER OF FEET NECESSARY TO MEET THESE REQUIREMENTS.

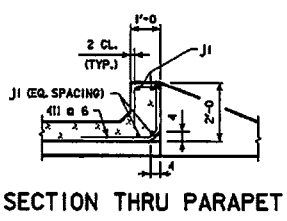
BILL OF REINF. FOR ONE HEADWALL				
LOCATION	SHAPE	10' x 6'		
		BAR NO.	LENGTH	WT.
FENCE ANCHOR (GALV.)	5f0	2	3'-1"	6
WINGWALL, F.F.H.	5b1	2	25'-1"	52
WINGWALL, F.F.H.	5b2	10 VAR	2 EACH 10'-0.23'-11	177
WINGWALL, B.F.H.	4b3	2	25'-3"	34
WINGWALL, B.F.H.	4b4	8 VAR	2 EACH 13'-0.24'-1	101
WINGWALL, F.F.V.	4c1	44 VAR	2 EACH 2'-8.8'-8	167
WINGWALL, F.F.V. (D)	4c2	2	8'-11"	12
WINGWALL, F.F.V. (A)	4c2	2	8'-11"	12
WINGWALL, B.F.V.	5c3	44 VAR	2 EACH 8'-3.12'-3	425
WINGWALL, B.F.V. (D)	5c4	1	12'-5"	13
WINGWALL, B.F.V. (A)	5c4	3	12'-5"	39
WINGWALL, B.F.V.	5c5	28	8'-5"	246
APRON, LONGIT., BOT.	4d1	9	24'-11"	150
APRON, LONGIT., TOP	6f1	11	24'-11"	412
PARAPET, VERTICAL	4j1	24	7'-0"	112
PARAPET, HORIZ.	7j1	4	12'-11"	106
APRON, TRANS., TOP	6m1	27	11'-8"	473
APRON, TRANS., TOP	6m2	7 VAR	2'-3.10'-0	64
APRON, TRANS., BOT.	4m3	19	9'-4"	118
CURTAIN, HORIZ.	6p1	5	13'-3"	100
WING SLOPE, BOTH F.	6e1	4	18'-8"	112
WING SLOPE, BOTH F. (D)	6e2	2	8'-4"	25
WING SLOPE, BOTH F. (A)	6e3	2	8'-9"	26
WING SLOPE, F. F.	6e4	2	12'-0"	36
WING SLOPE, F. F.	6e5	2	16'-5"	49
CURTAIN, VERT.	5f1	12	6'-5"	80
CURTAIN, VERT., ENDS	5f2	4	6'-7"	27
BRACKET, VERT.	5u1	4	5'-4"	22
ESTIMATED QUANTITIES ONE HEADWALL	REINF. STEEL	3196 LBS.		
	CONCRETE	PARAPET Δ	1.5	20.8 CU.YD.
		WINGWALLS	5.7	
	APRON	13.6		

Δ INCLUDES TOP OF WINGWALL QUANTITIES.

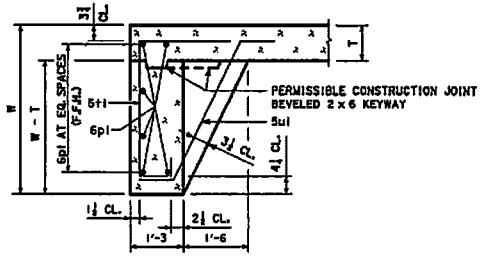
NOTE: WEIGHT OF BARS OVER 40'-0" LONG INCLUDE AN ALLOWANCE OF 2'-0" FOR LAP.

(A) - INDICATES BAR LOCATED AT ACUTE CORNER. (D) - INDICATES BAR LOCATED AT OBTUSE CORNER. REFER TO PLAN VIEW THIS SHEET FOR ACUTE AND OBTUSE CORNER LOCATIONS.

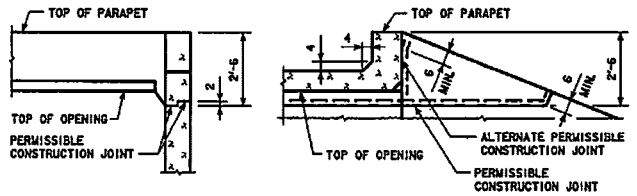
DESIGN FOR 28° SKEW (R.A.) W/ 30° P.W. HEADWALLS
10' x 6' x 184'-0" REINFORCED CONCRETE BOX CULVERT
PARALLEL WING HEADWALL DETAILS
 STA. 228+43 MARCH, 2013
POLK COUNTY
 IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION
 DESIGN SHEET NO. OF FILE NO. DESIGN NO.



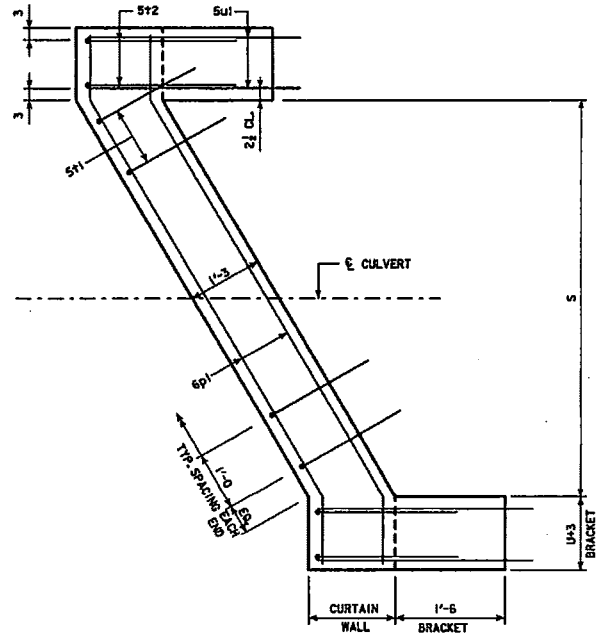
SECTION THRU PARAPET



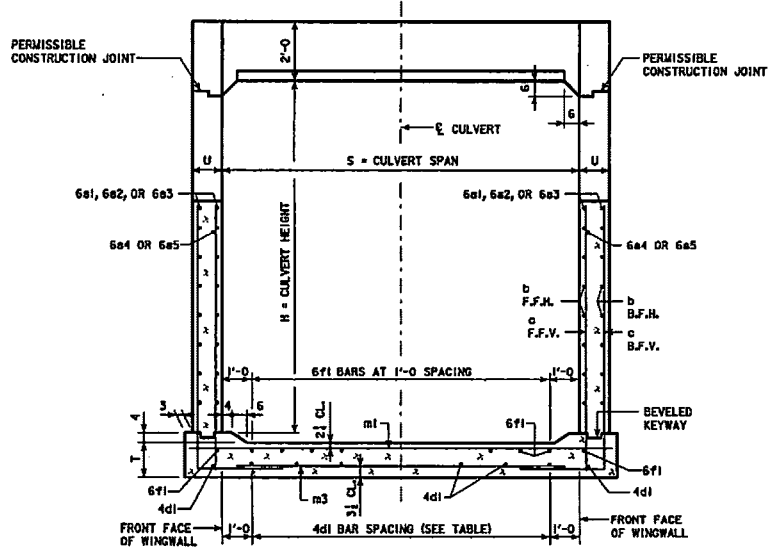
SECTION THRU CURTAIN WALL



TOP OF WINGWALL DETAILS



CURTAIN WALL DETAIL
APRON IS NOT SHOWN

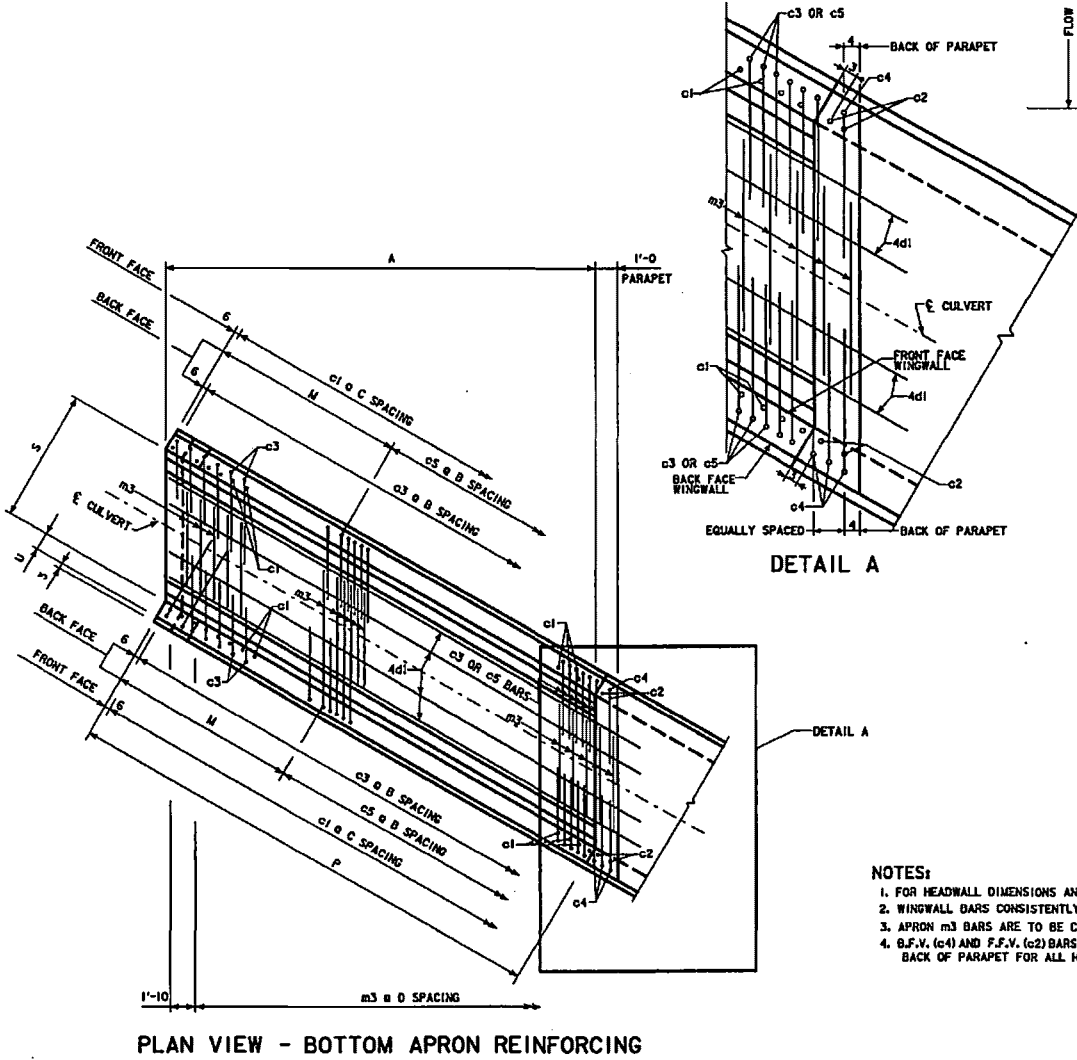


TYPICAL CROSS SECTION - THRU HEADWALL

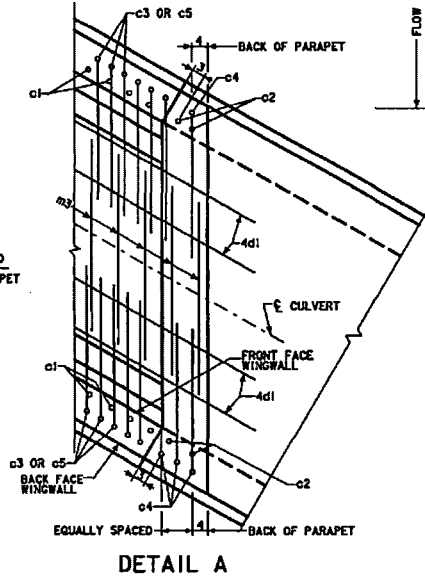
4d1 BAR SPACING		
SPAN	SPACING	NO. OF BARS
10'-0"	6 SPA. AT 1'-4"	9

NOTE:
FOR DIMENSION TABLE SEE DRAWING U.15

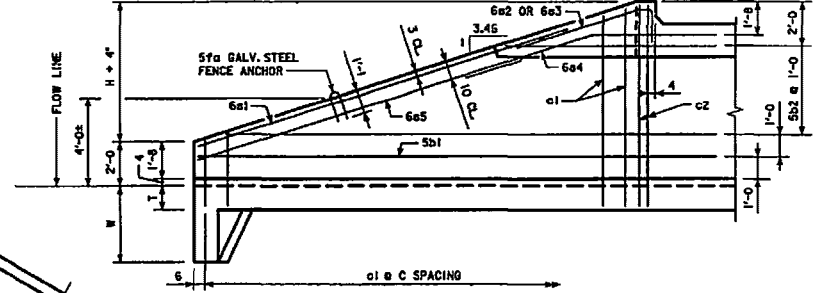
DESIGN FOR 20° SKEW (R.A.) W/ 30° P.W. HEADWALLS
10' x 6' x 184'-0" REINFORCED CONCRETE BOX CULVERT
PARALLEL WING HEADWALL DETAILS
 STA. 220+13 MARCH, 2013
POLK COUNTY
 IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION
 DESIGN SHEET NO. OF FILE NO. DESIGN NO.



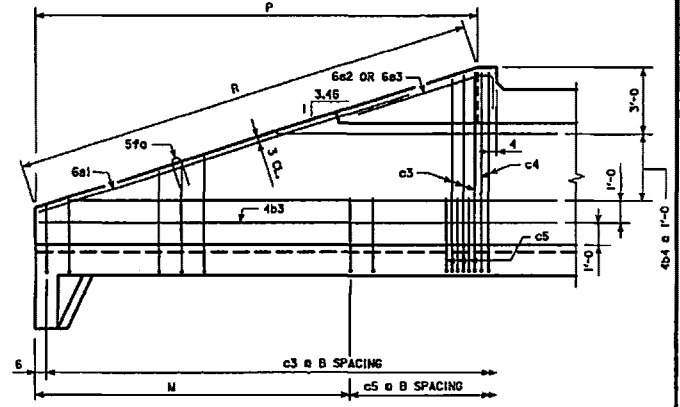
PLAN VIEW - BOTTOM APRON REINFORCING



DETAIL A



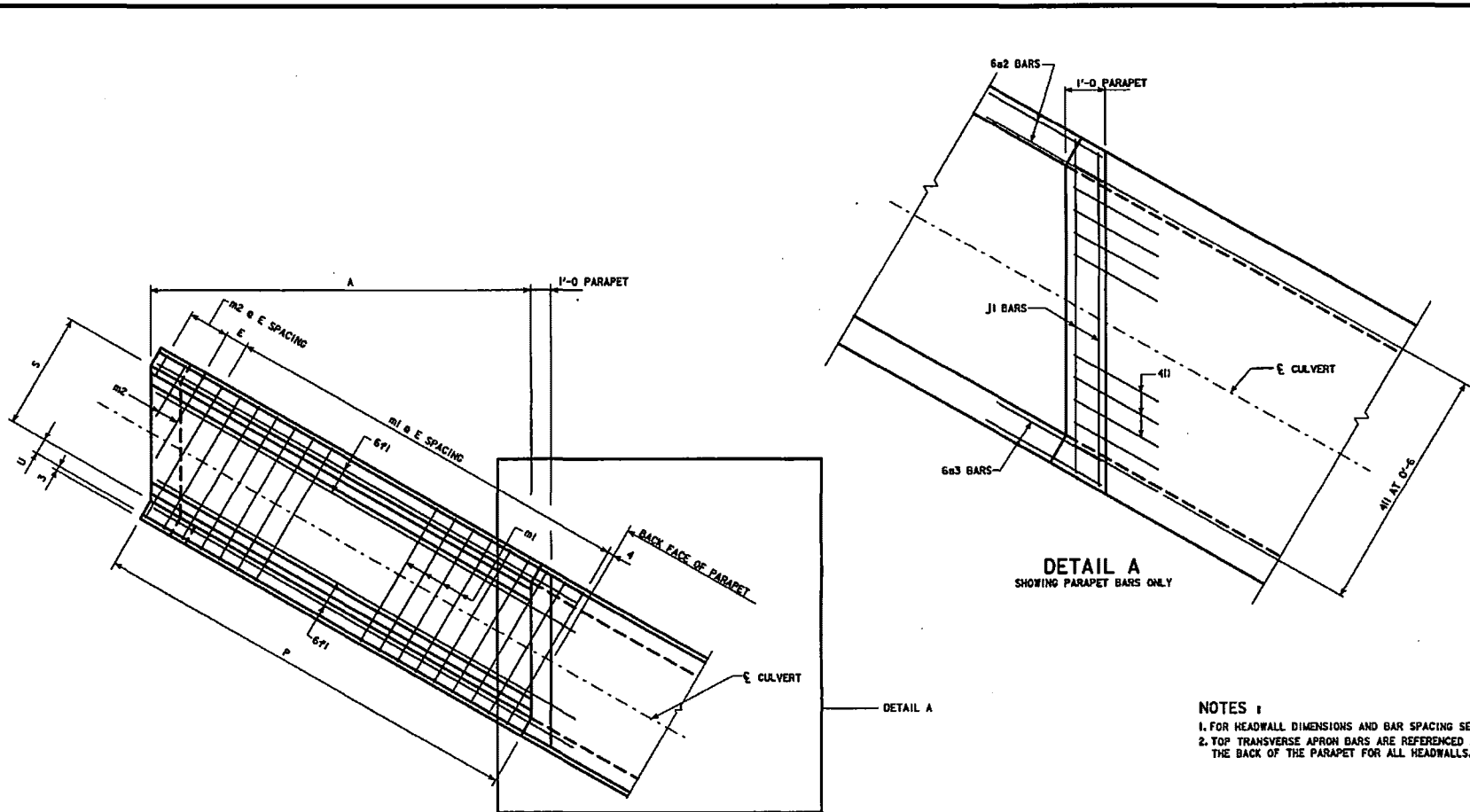
TYPICAL VIEW - FRONT FACE WINGWALL REINFORCING



TYPICAL VIEW - BACK FACE WINGWALL REINFORCING

- NOTES:**
1. FOR HEADWALL DIMENSIONS AND BAR SPACING SEE DRAWING U.15.
 2. WINGWALL BARS CONSISTENTLY REFERENCED FROM END OF WING.
 3. APRON M3 BARS ARE TO BE CENTERED ON E CULVERT.
 4. B.F.V. (c4) AND F.F.V. (c2) BARS ARE APPROXIMATELY 4" FROM THE BACK OF PARAPET FOR ALL HEADWALLS.

DESIGN FOR 20° SKEW (R.A.) W/ 30° P.W. HEADWALLS
10' x 6' x 184'-0" REINFORCED CONCRETE BOX CULVERT
PARALLEL WING HEADWALL DETAILS
 STA. 228+43 MARCH 4, 2013
POLK COUNTY
 IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION
 DESIGN SHEET NO. OF FILE NO. DESIGN NO.



PLAN VIEW - TOP APRON REINFORCING

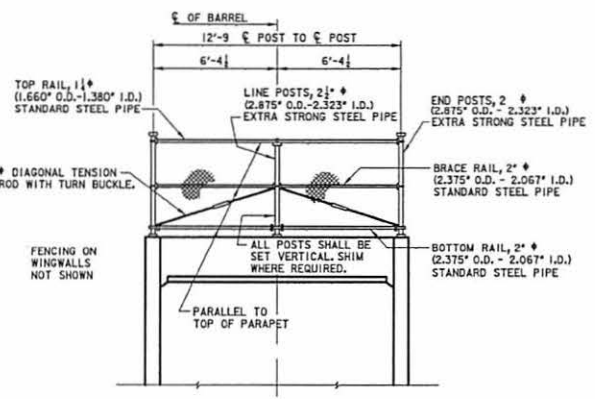
DETAIL A
SHOWING PARAPET BARS ONLY

- NOTES :
1. FOR HEADWALL DIMENSIONS AND BAR SPACING SEE DRAWING U.15.
 2. TOP TRANSVERSE APRON BARS ARE REFERENCED APPROXIMATELY 4" FROM THE BACK OF THE PARAPET FOR ALL HEADWALLS.

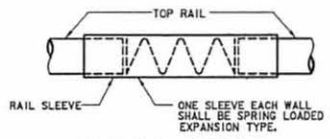
DESIGN FOR 26° SKEW (R.A.) W/ 30° P.W. HEADWALLS
10' x 6' x 184'-0 REINFORCED CONCRETE BOX CULVERT
PARALLEL WING HEADWALL DETAILS
 STA. 228+43 MARCH, 2013
POLK COUNTY
 IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION
 DESIGN SHEET NO. OF FILE NO. DESIGN NO.

DESIGN TEAM MARTIN MICHAEL	ENGLISH	ACTIVITY ID 06-2012-006	POLK COUNTY	PROJECT NUMBER NHS-U-1945(409)-86-77	PLAN FILE NO. 542-410	SHEET NUMBER U.18
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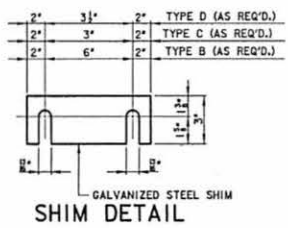
Page 44 of 75



ELEVATION OF FENCE ON PARAPET



TYPICAL DETAIL RAIL SLEEVE



SHIM DETAIL

FENCE NOTES

THE LENGTH SHOWN FOR CHAIN LINK FENCE IS MEASURED FROM CENTERLINE TO CENTERLINE OF END POSTS. THE CONTRACTOR SHALL FURNISH ALL MATERIAL, INCLUDING CONCRETE ANCHORS AND SHIMS, AND ALL OF THE EQUIPMENT AND LABOR REQUIRED TO ERECT THE FENCE ALONG BOTH CULVERT HEADWALLS IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS.

THE CHAIN LINK FENCE SHALL BE EITHER ZINC OR ALUMINUM COATED FABRIC, 2" MESH, NO. 6 WIRES, 72" HEIGHT WITH KNUCKLED SELVAGES TOP AND BOTTOM.

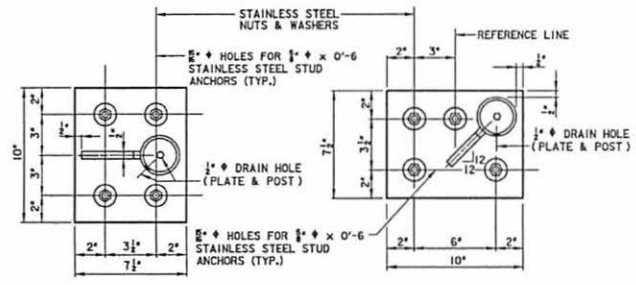
THE STUD CONCRETE ANCHORS SHALL BE STAINLESS STEEL AND HAVE A MINIMUM PULLOUT STRENGTH OF 8000 POUNDS BASED ON 4000 PSI CONCRETE.

THE POSTS, BRACES, RAILS AND SPECIAL FITTINGS SHALL BE IN ACCORDANCE WITH ARTICLES 4154.10 AND 4154.11 OF THE STANDARD CONSTRUCTION SPECIFICATIONS UNLESS NOTED OTHERWISE.

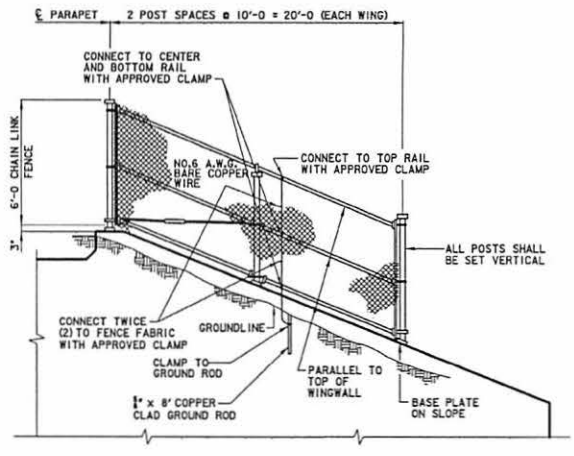
THE FENCE SHALL BE TRUE TO LINE, TAUT, AND COMPLY WITH THE BEST PRACTICE FOR FENCE CONSTRUCTION OF THIS TYPE. ALL ENDS OF WIRES SHALL BE TURNED SO THAT THEY EXTEND AWAY FROM THE EMBANKMENT SIDE OF THE FENCE. ALL POSTS SHALL BE INSTALLED VERTICALLY.

SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW BY THE ENGINEER. FENCE MATERIALS SHALL NOT BE ORDERED UNTIL APPROVED SHOP DRAWINGS ARE RETURNED TO THE CONTRACTOR.

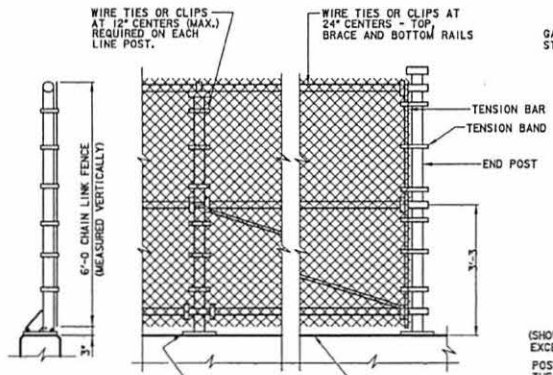
POSTS AND BASE PLATES SHALL BE HOT-DIP GALVANIZED AFTER THE POSTS AND BASE PLATES ARE WELDED.



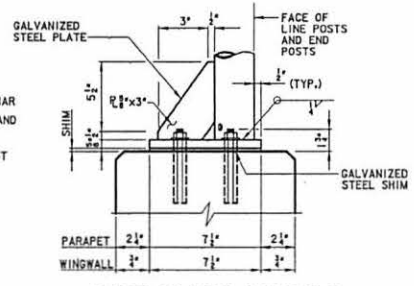
TYPICAL BASE PLATE END POST BASE PLATE



ELEVATION OF FENCE ON EXTERIOR WINGWALL



TYPICAL SECTION FENCE DETAILS

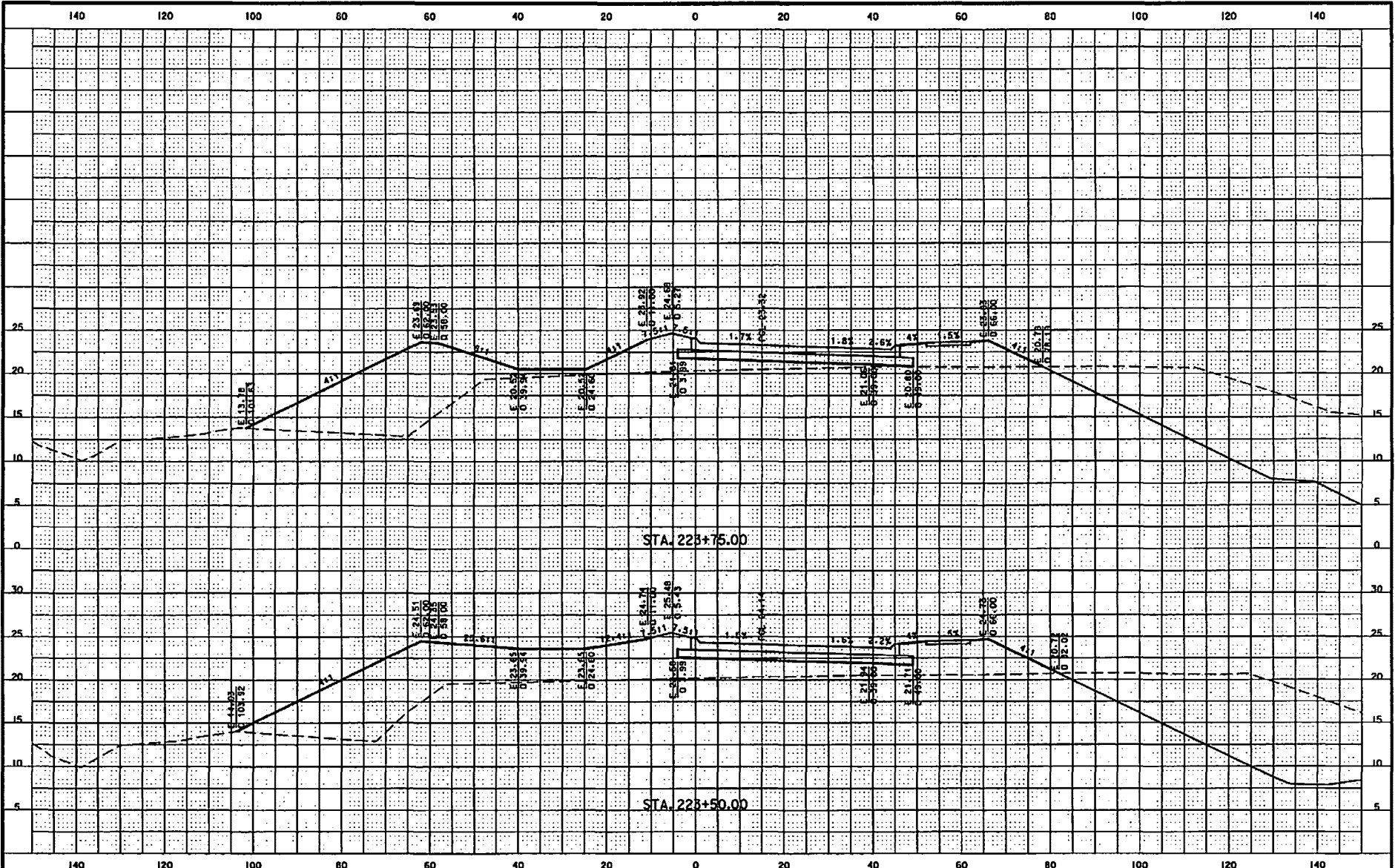


BASE PLATE DETAILS

(SHOWN FOR TOP OF PARAPET; SIMILAR FOR WINGWALL EXCEPT ON SLOPE WITH POST VERTICAL.)
POST AND BASE PLATES SHALL BE GALVANIZED AFTER THE POSTS AND BASE PLATES ARE WELDED.

DESIGN FOR 28° SKEW (R.L.) W/ 30° P.W. HEADWALLS
10' x 6' x 184'-0" REINFORCED CONCRETE BOX CULVERT
FENCE DETAILS

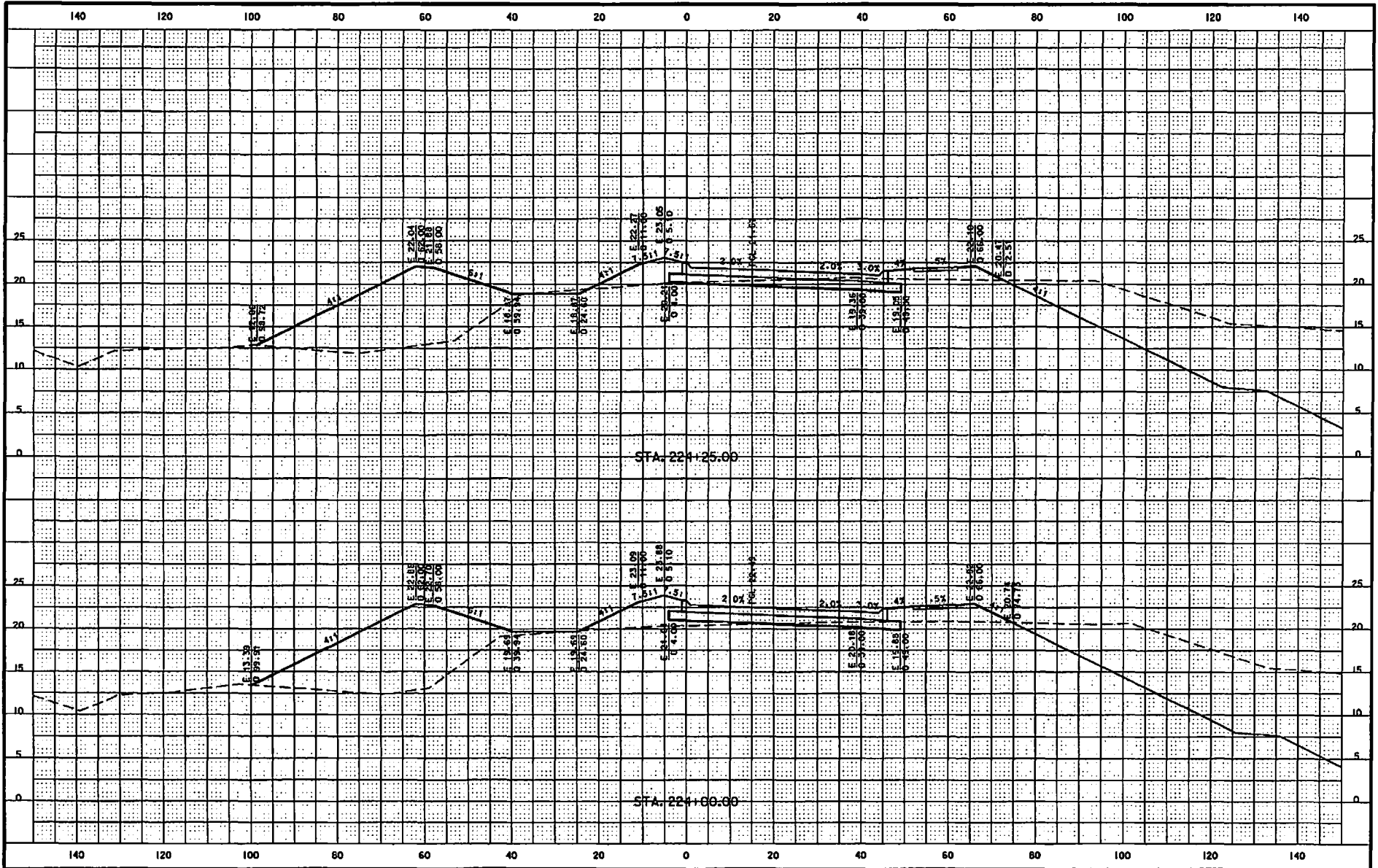
STA. 228+43 MARCH, 2013
POLK COUNTY
IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION
DESIGN SHEET NO. OF FILE NO. DESIGN NO.



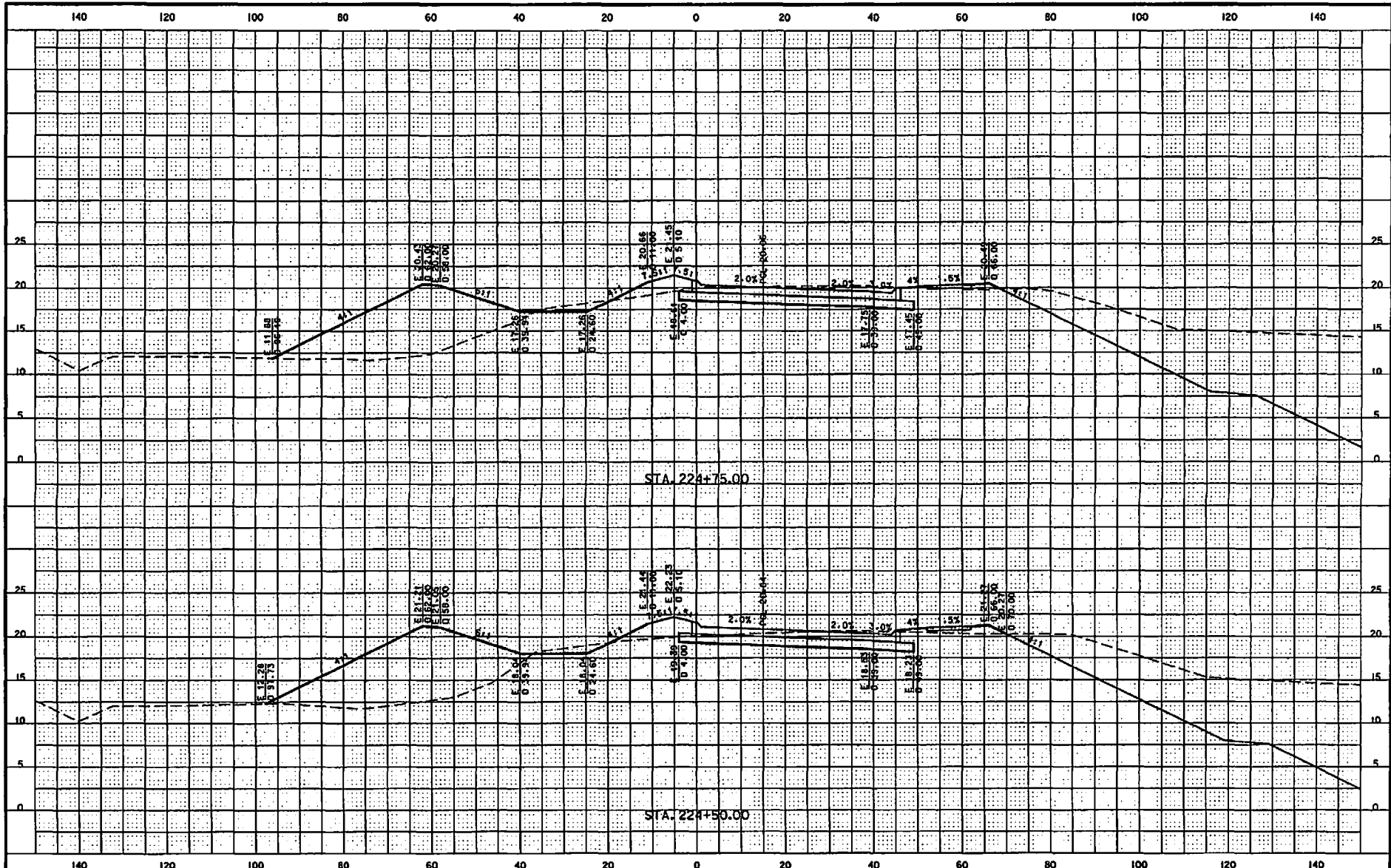
DESIGN TEAM
KIMBERLY PETERHAM
KIMBERLY MICHAEL

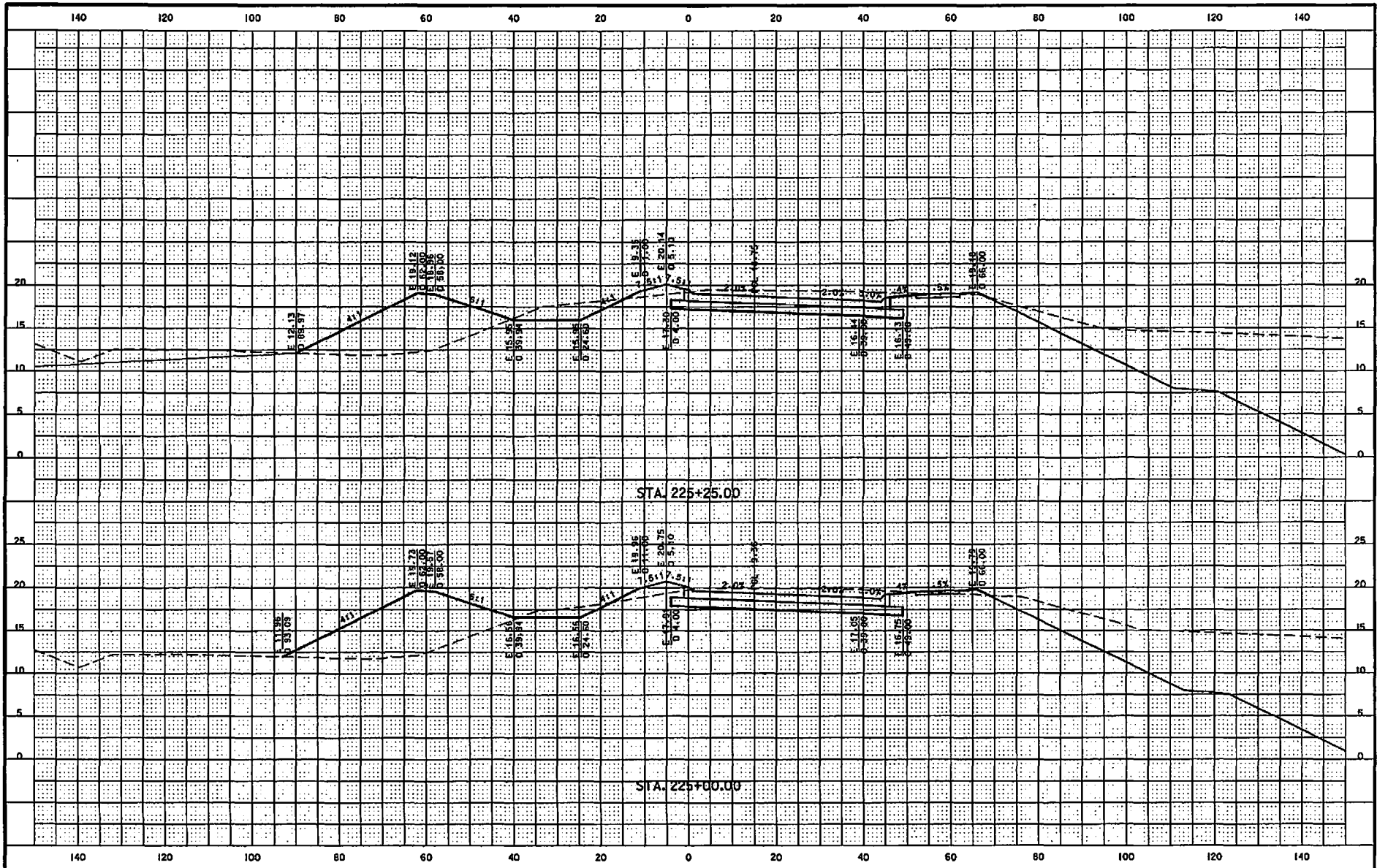
ENGLISH	ACTIVITY ID 06-2012-006	POLK COUNTY	PROJECT NUMBER	NIS-U-1945(409)-80-77	PLAN FILE NO. 542-599	SHEET NUMBER W.103
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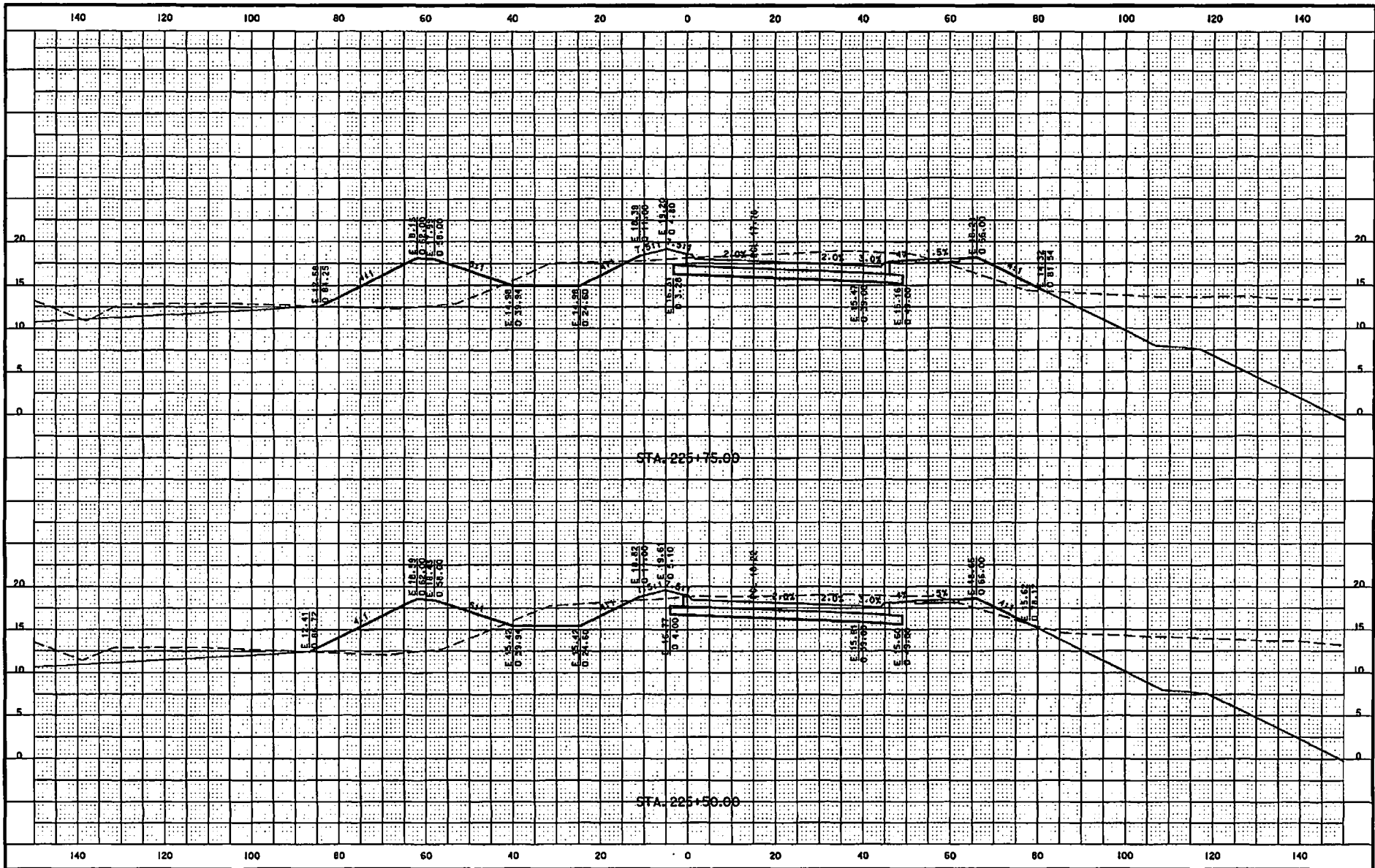
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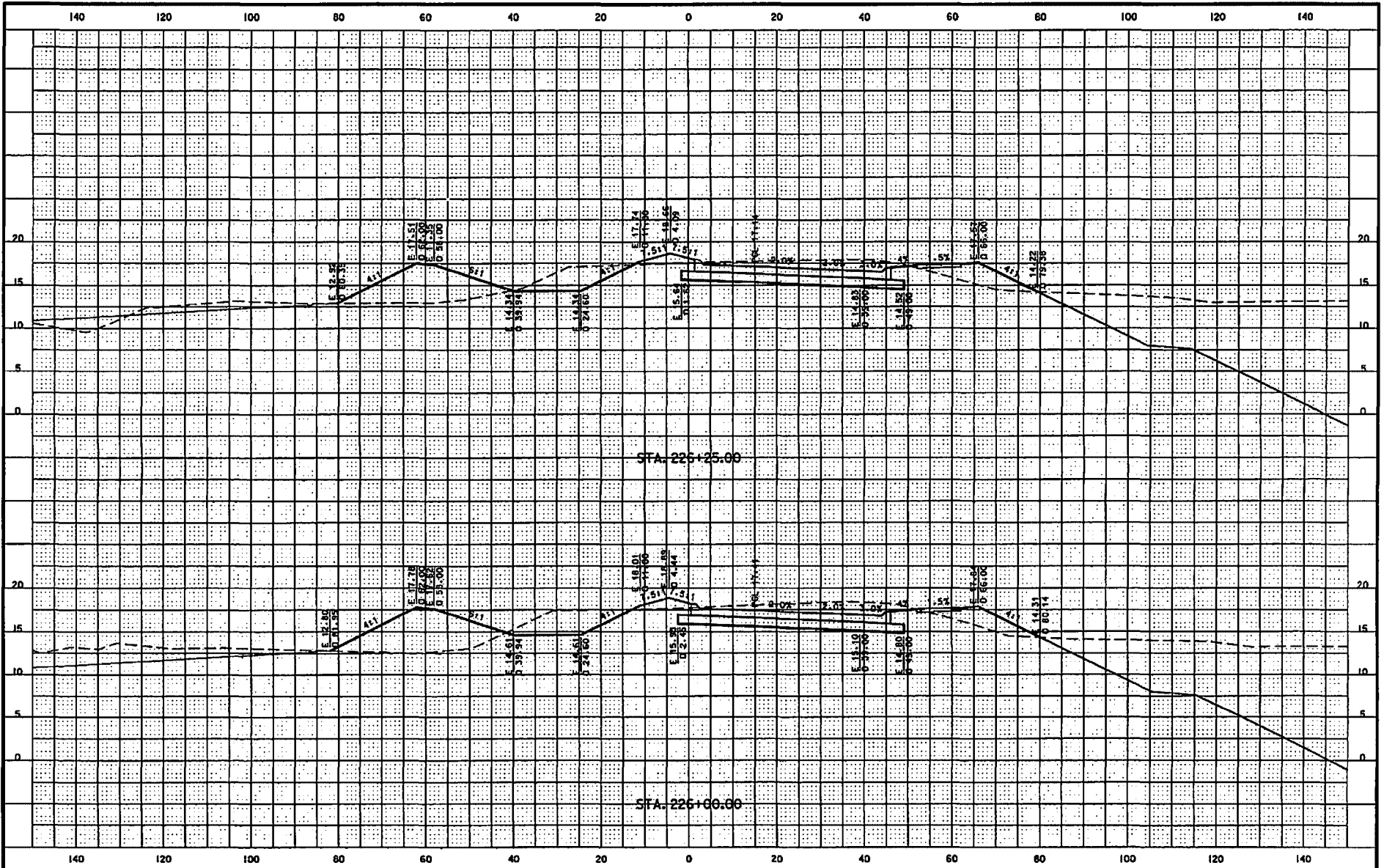


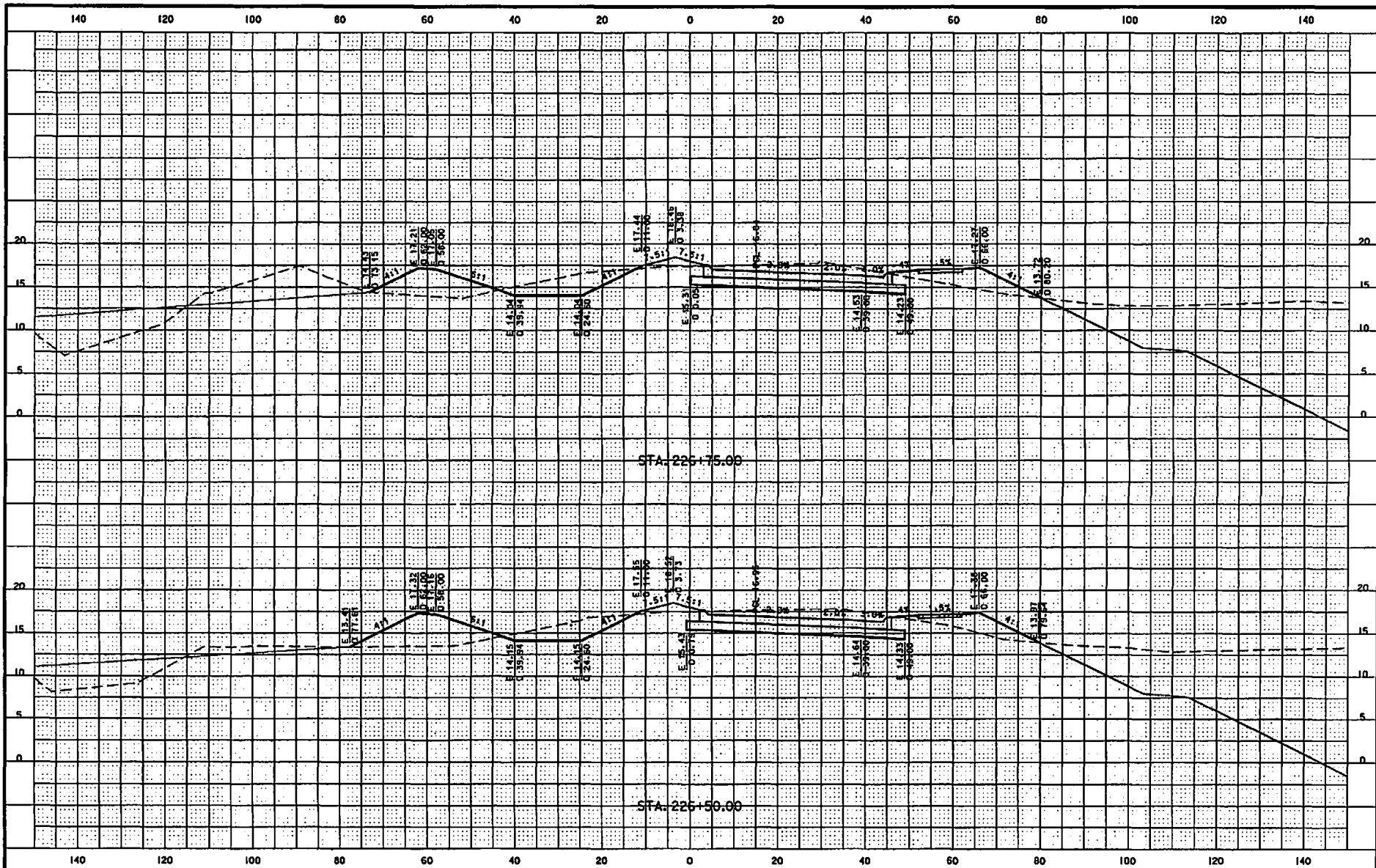
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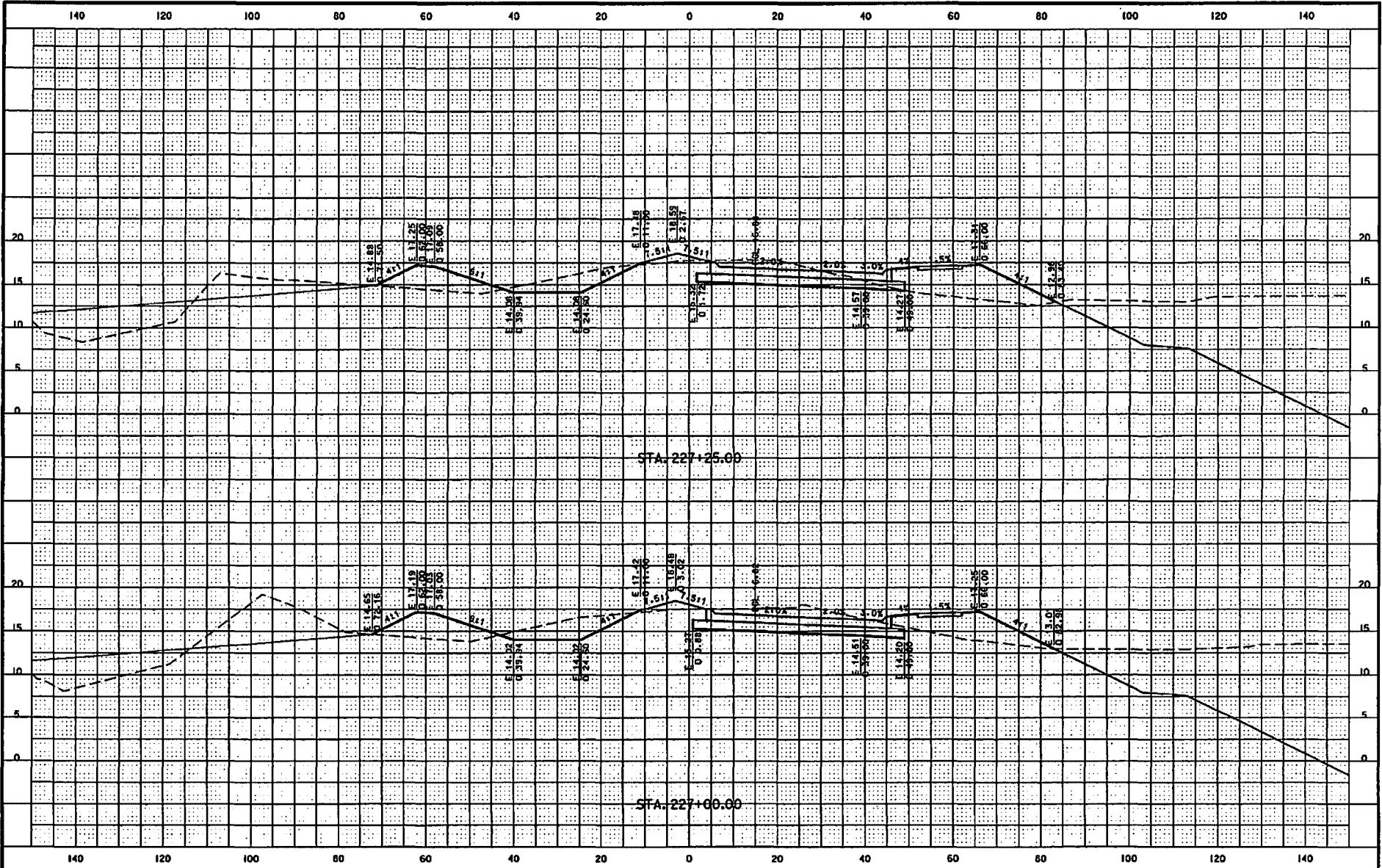


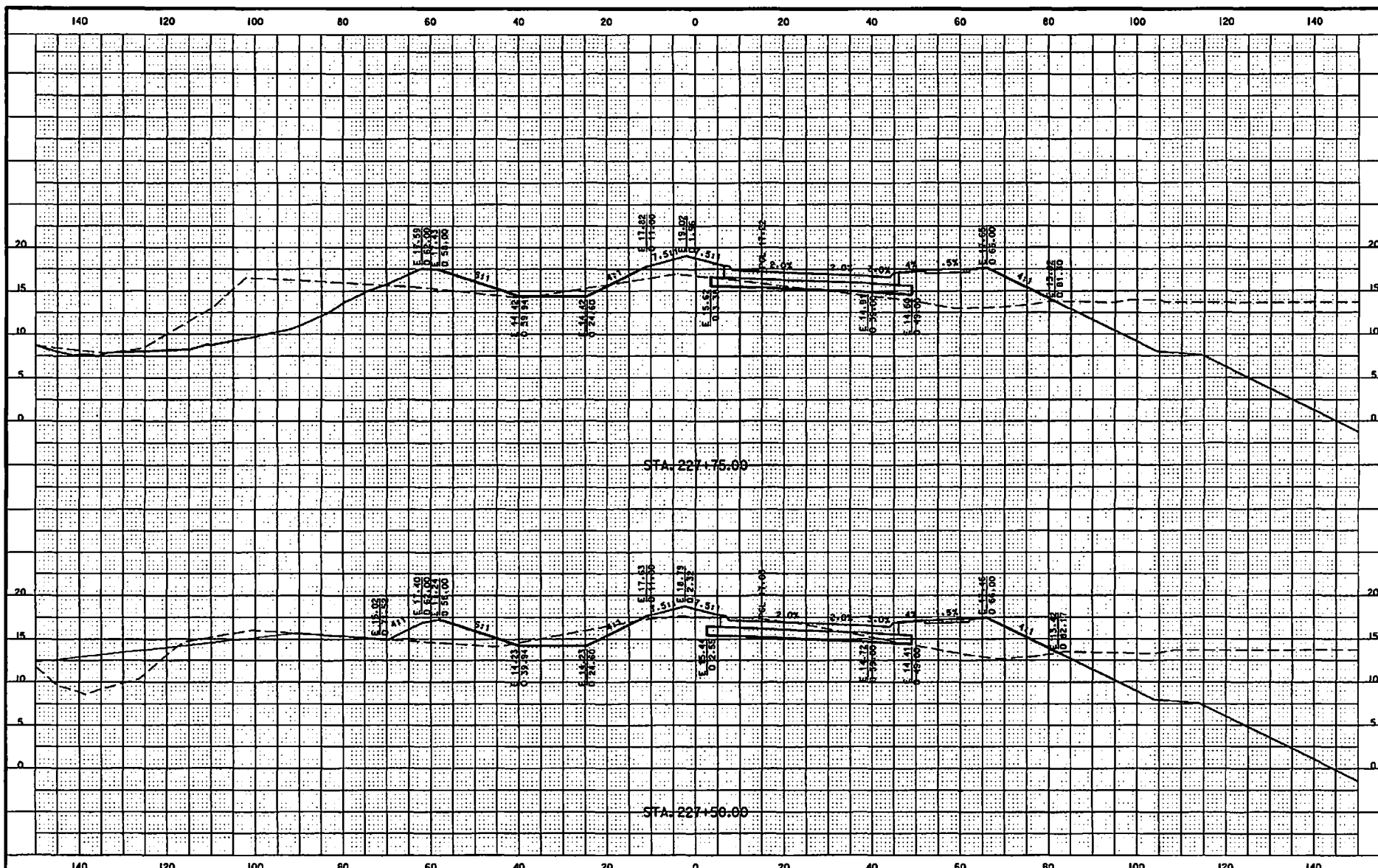


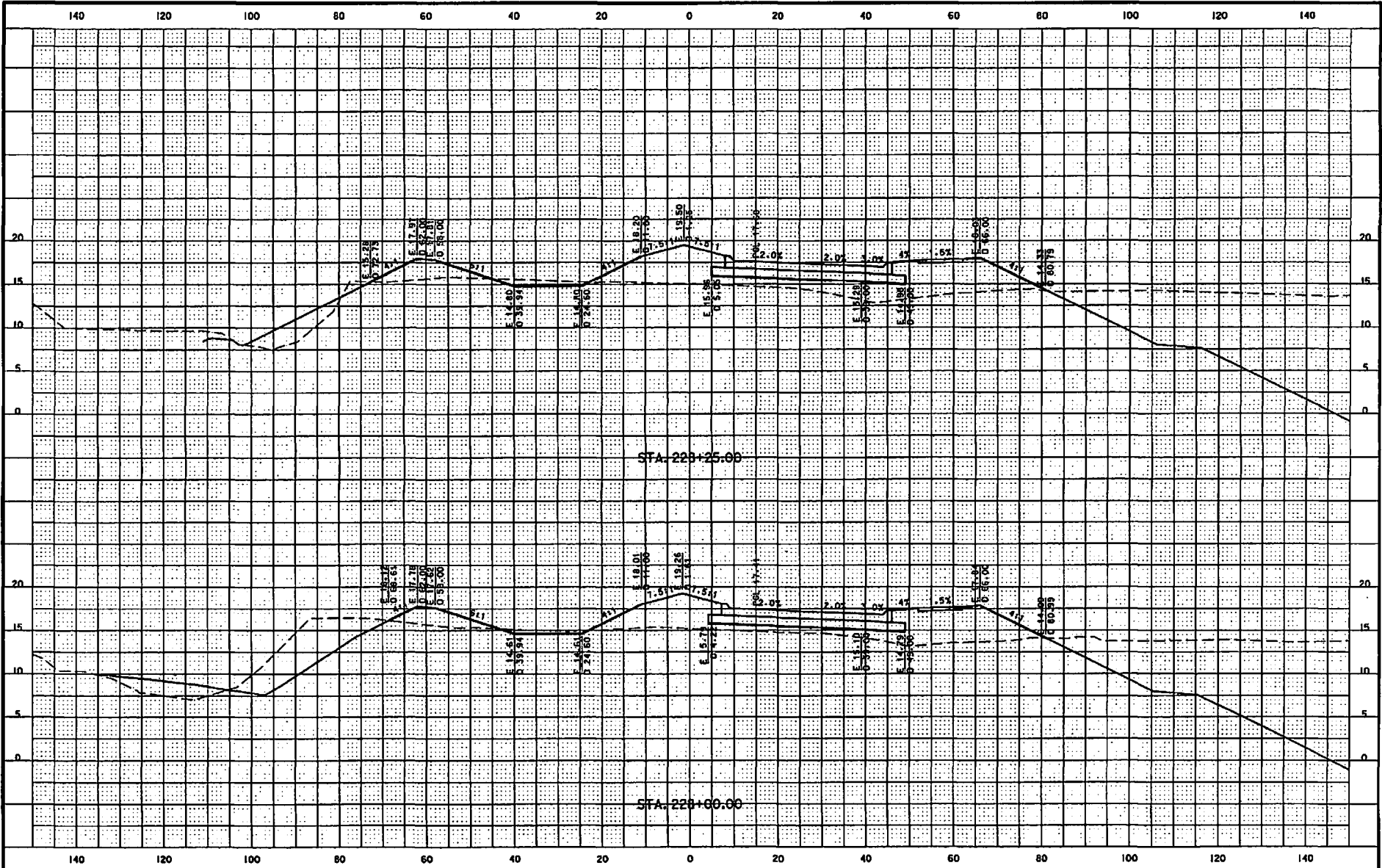


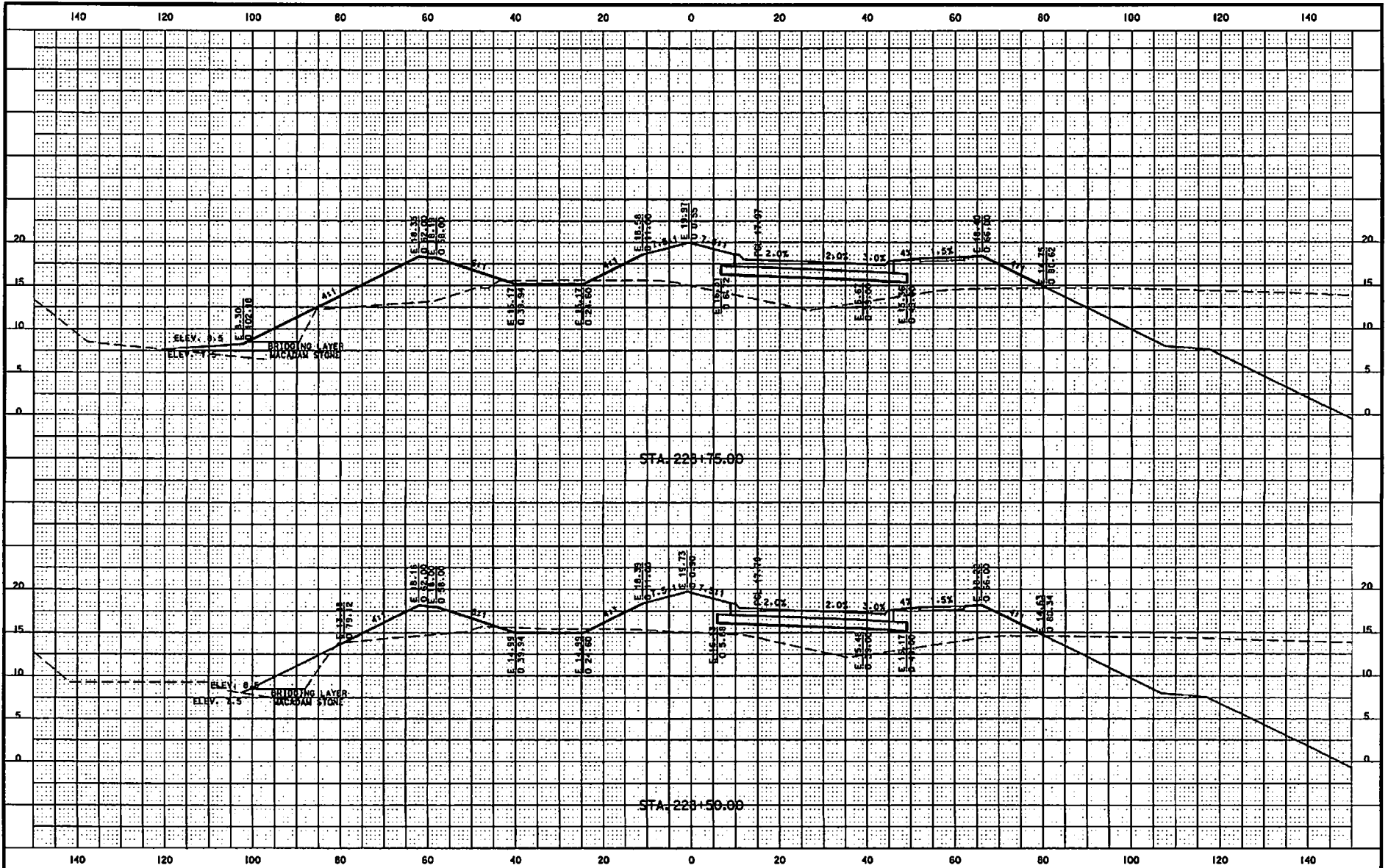
DESIGN TEAM KIM HERRIAMI KIM MICHAEL	ENGLISH	ACTIVITY ID 06-2012-006	POLK COUNTY	PROJECT NUMBER NHS-U-1945(409)-80-77	PLAN FILE NO. 542-605	SHEET NUMBER W.109
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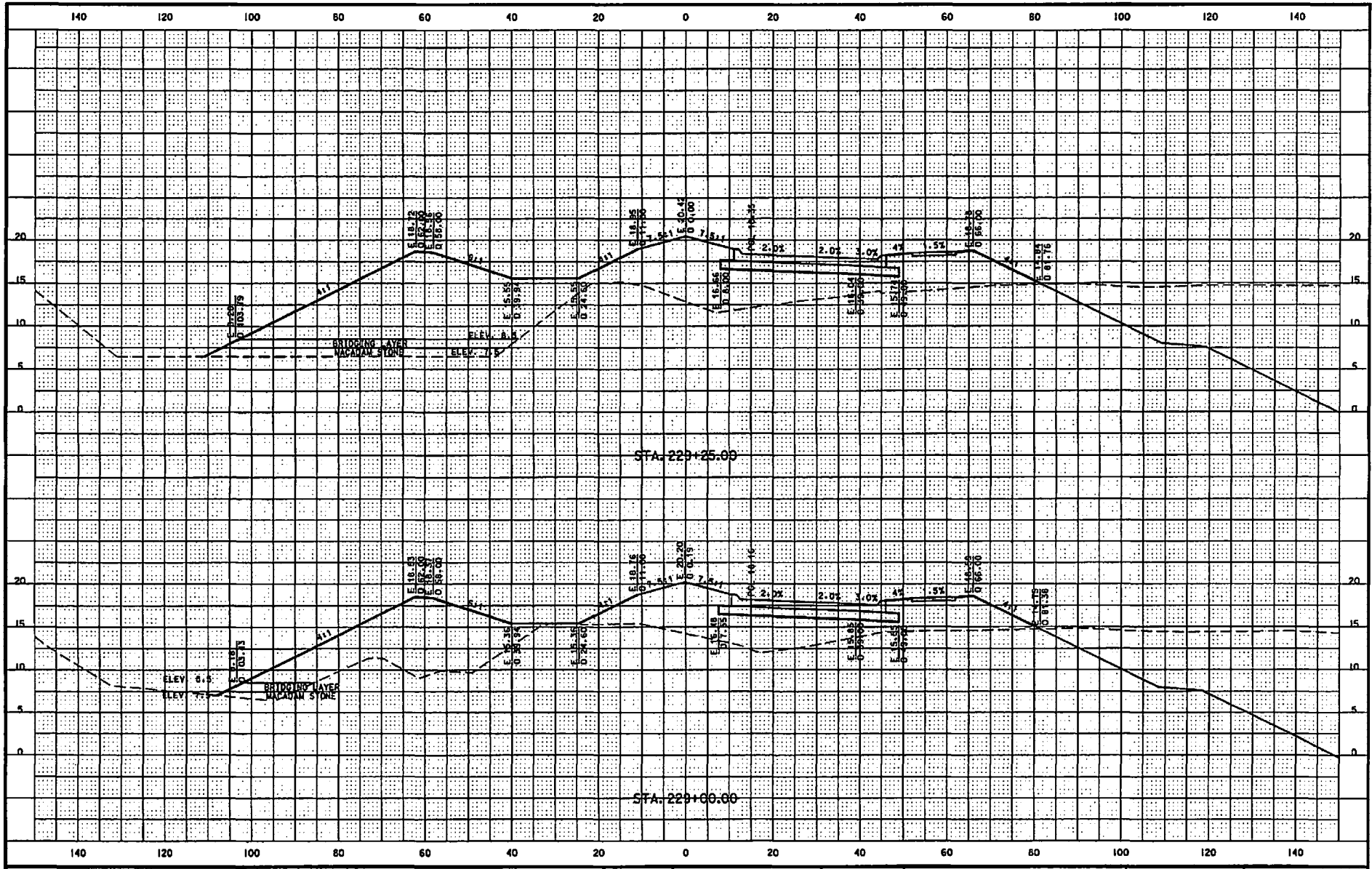


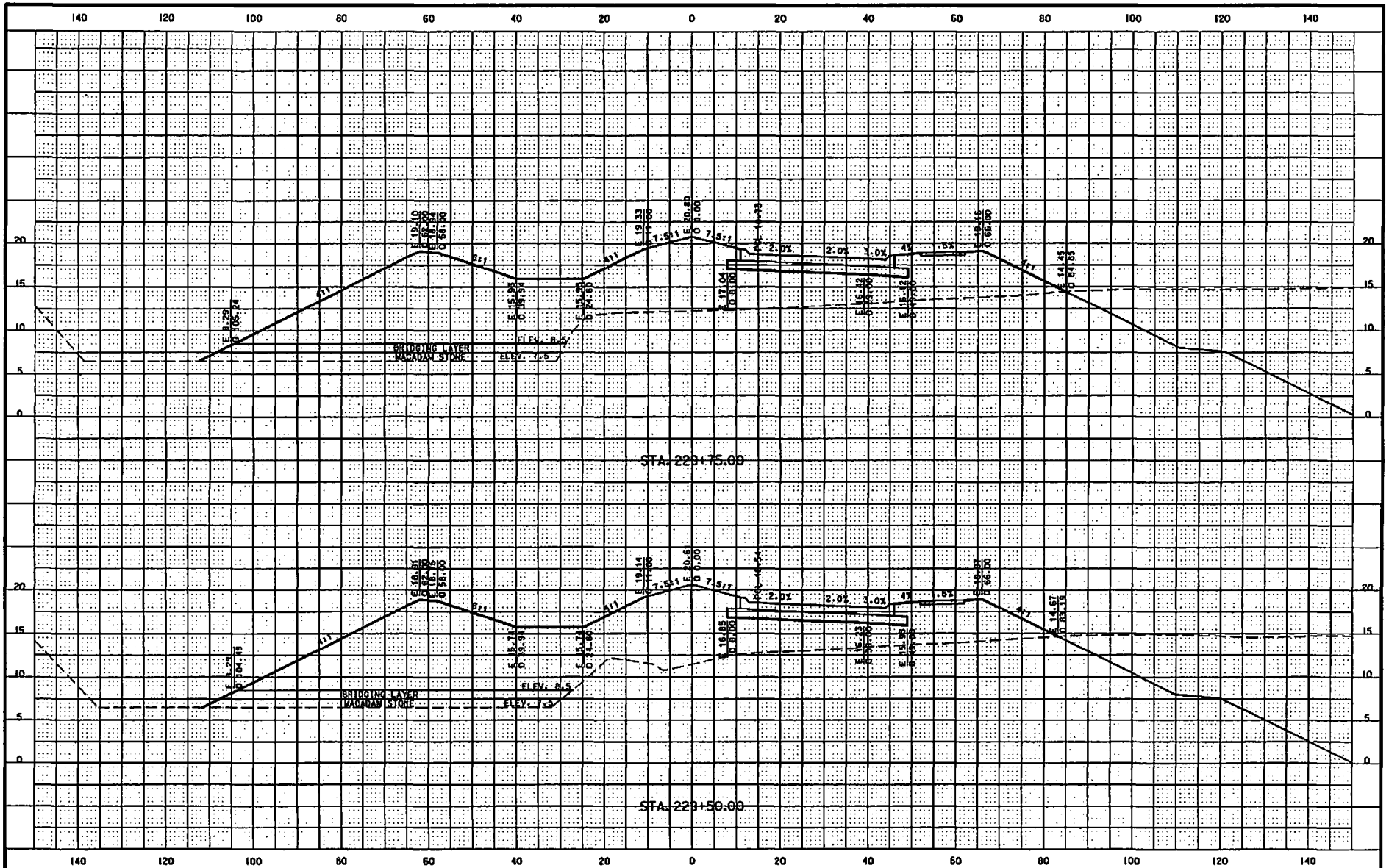




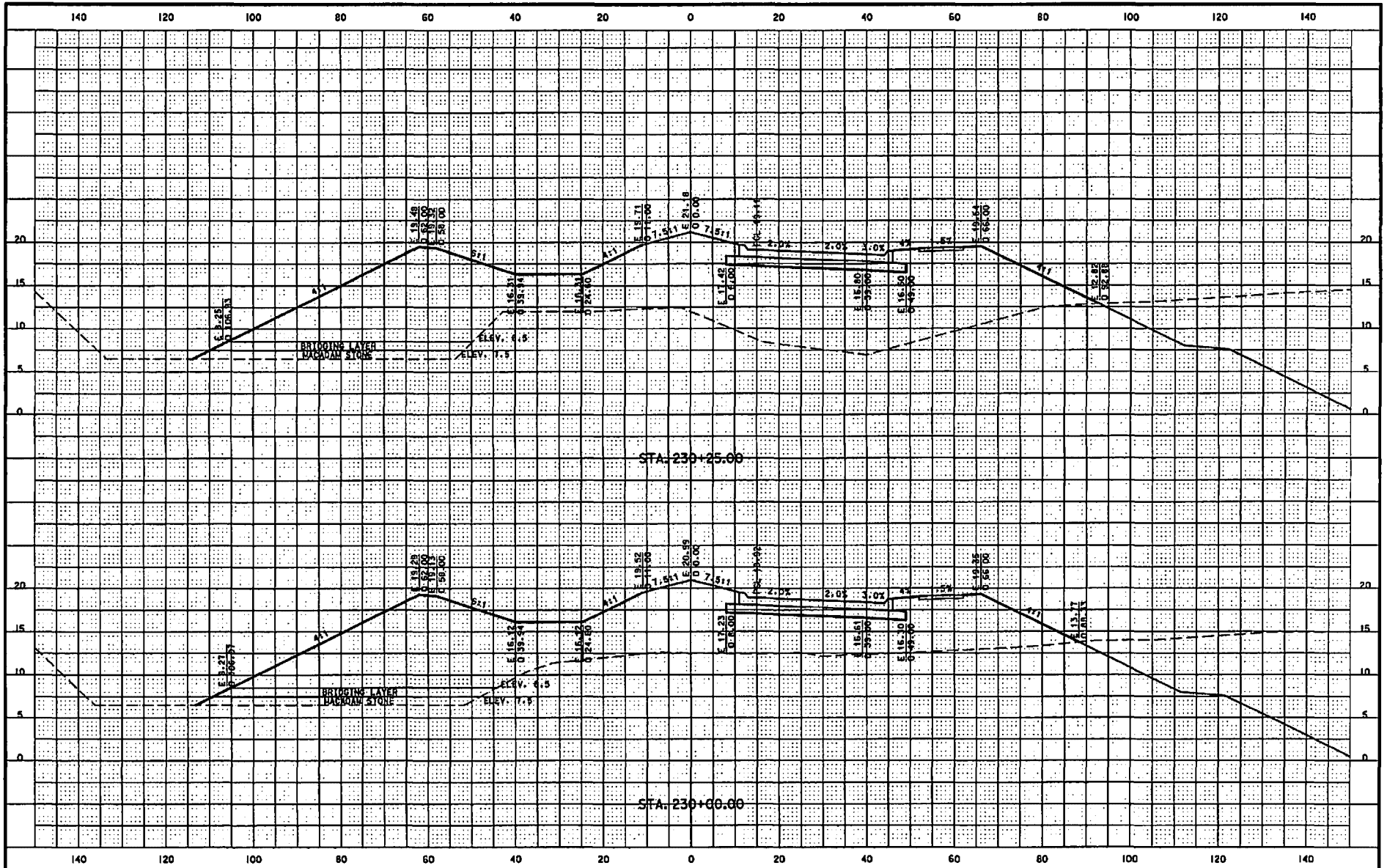
DESIGN TEAM	MVH KIRKHAM KIM MICHAEL	ENGLISH	ACTIVITY ID 06-2012-006	POLK COUNTY	PROJECT NUMBER	NHS-U-1945(409)-86-77	PLAN FILE NO. 542-609	SHEET NUMBER	W.113
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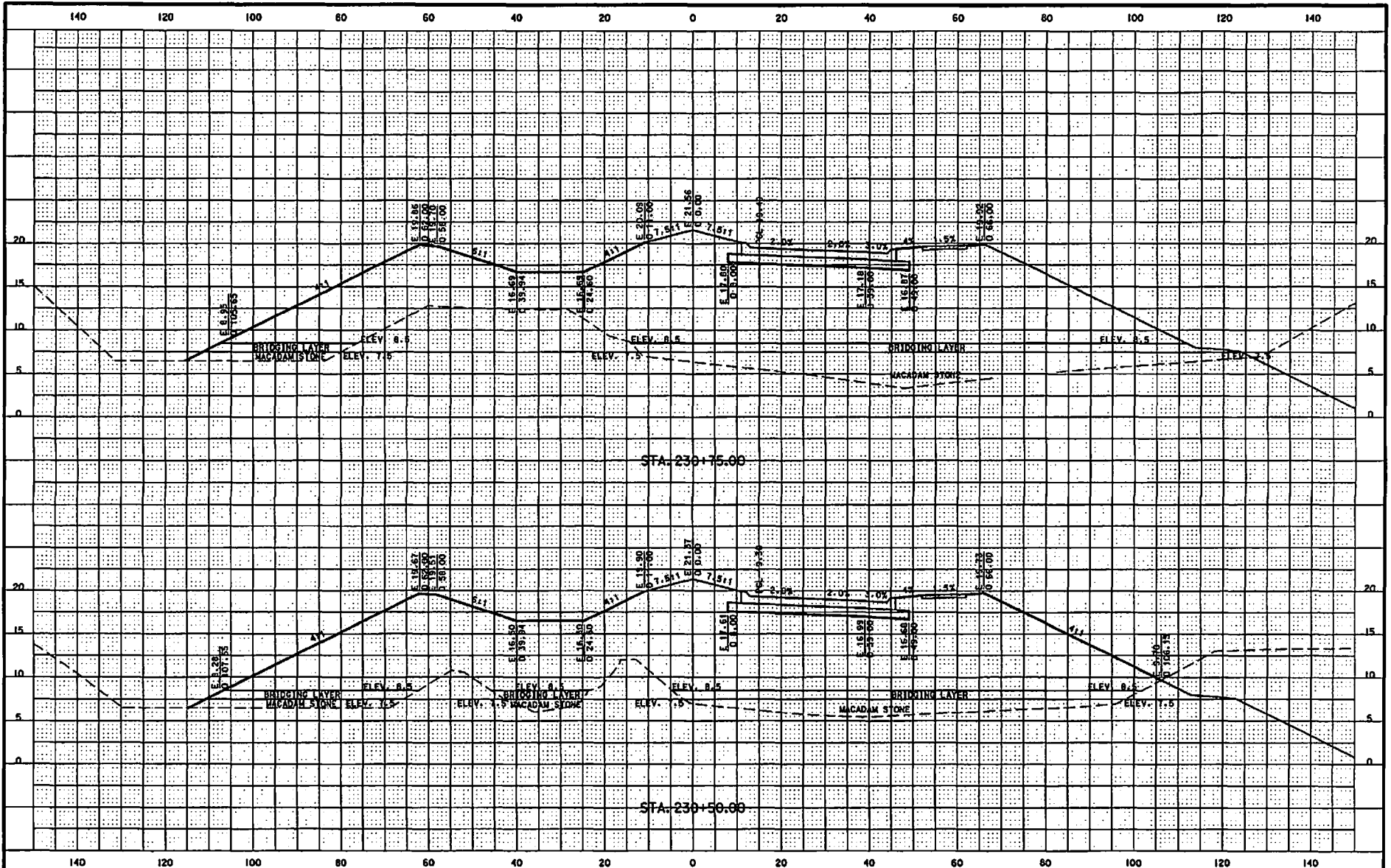




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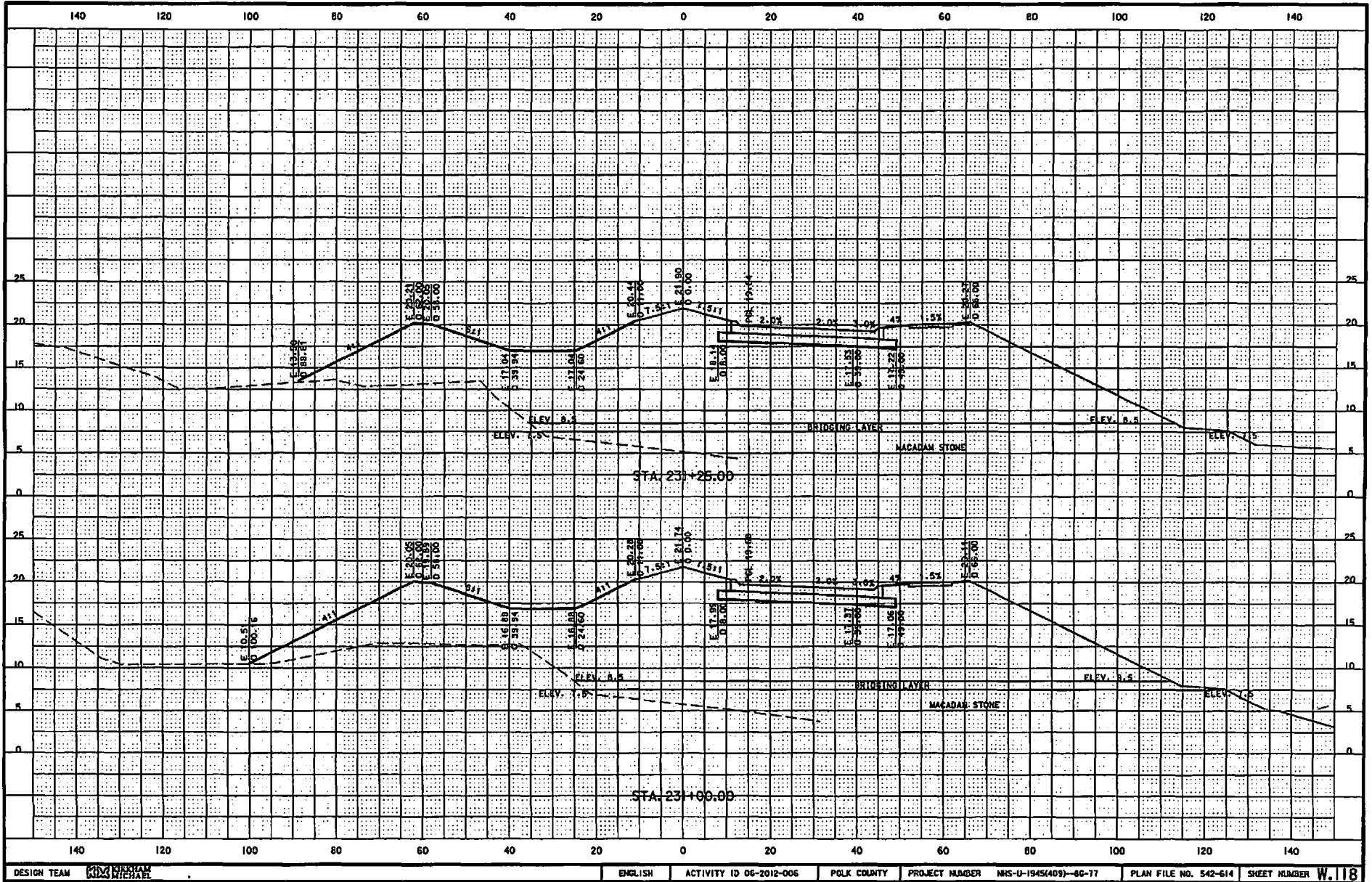


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DESIGN TEAM	KIM RICHMAN MICHAEL	ENGLISH	ACTIVITY ID 06-2012-006	POLK COUNTY	PROJECT NUMBER	NHS-LI-1945(409)-06-77	PLAN FILE NO. 542-613	SHEET NUMBER	W.117
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DESIGN TEAM **KIM NICHAM**
KIM NICHAM

ENGLISH

ACTIVITY ID 06-2012-006

POLK COUNTY

PROJECT NUMBER

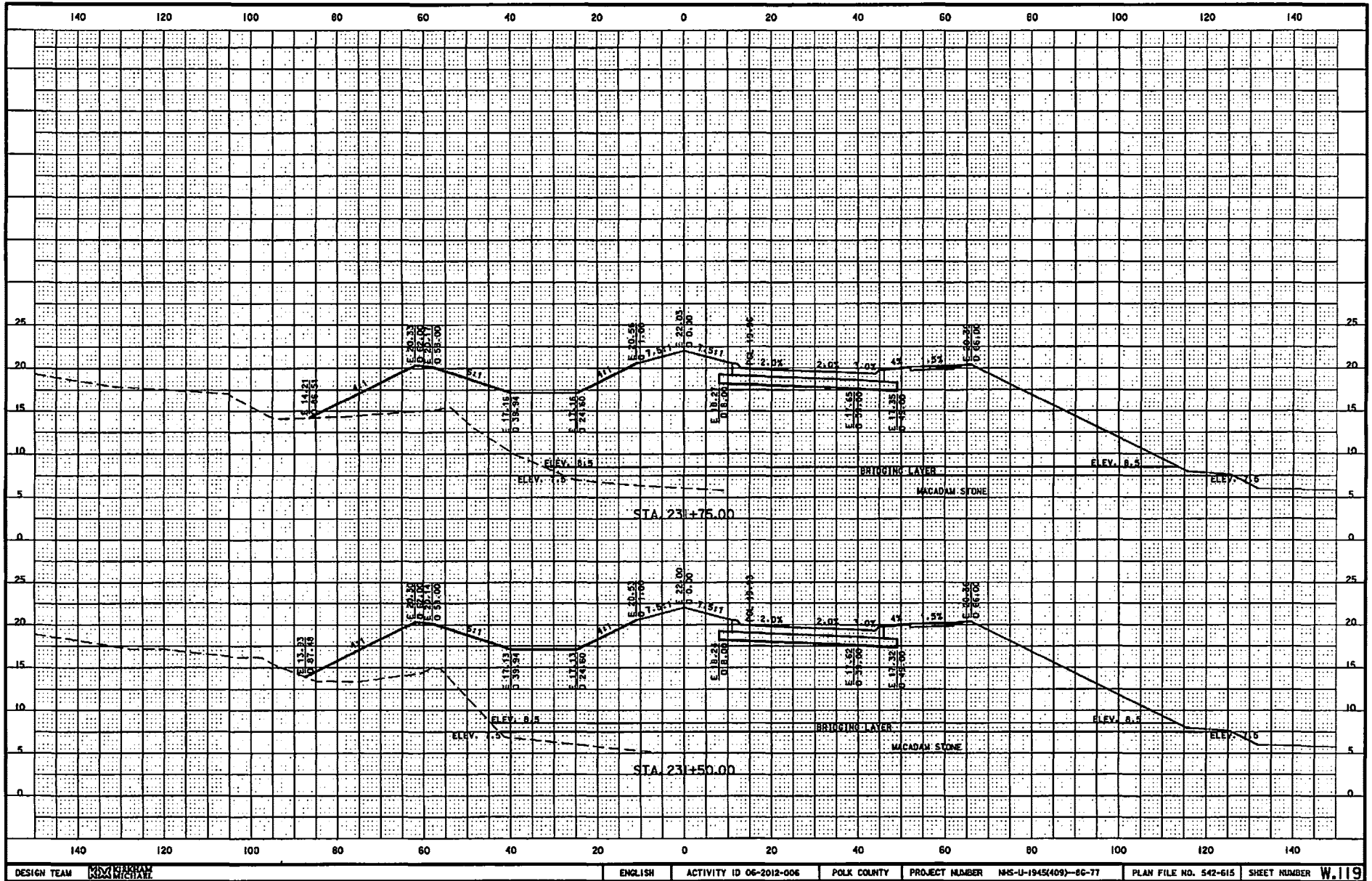
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PLAN FILE NO. 542-614

SHEET NUMBER **W.18**

5/10/2013

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DESIGN TEAM **MVA KIRKHAM**
KD MICHAEL

ENGLISH

ACTIVITY ID 06-2012-006

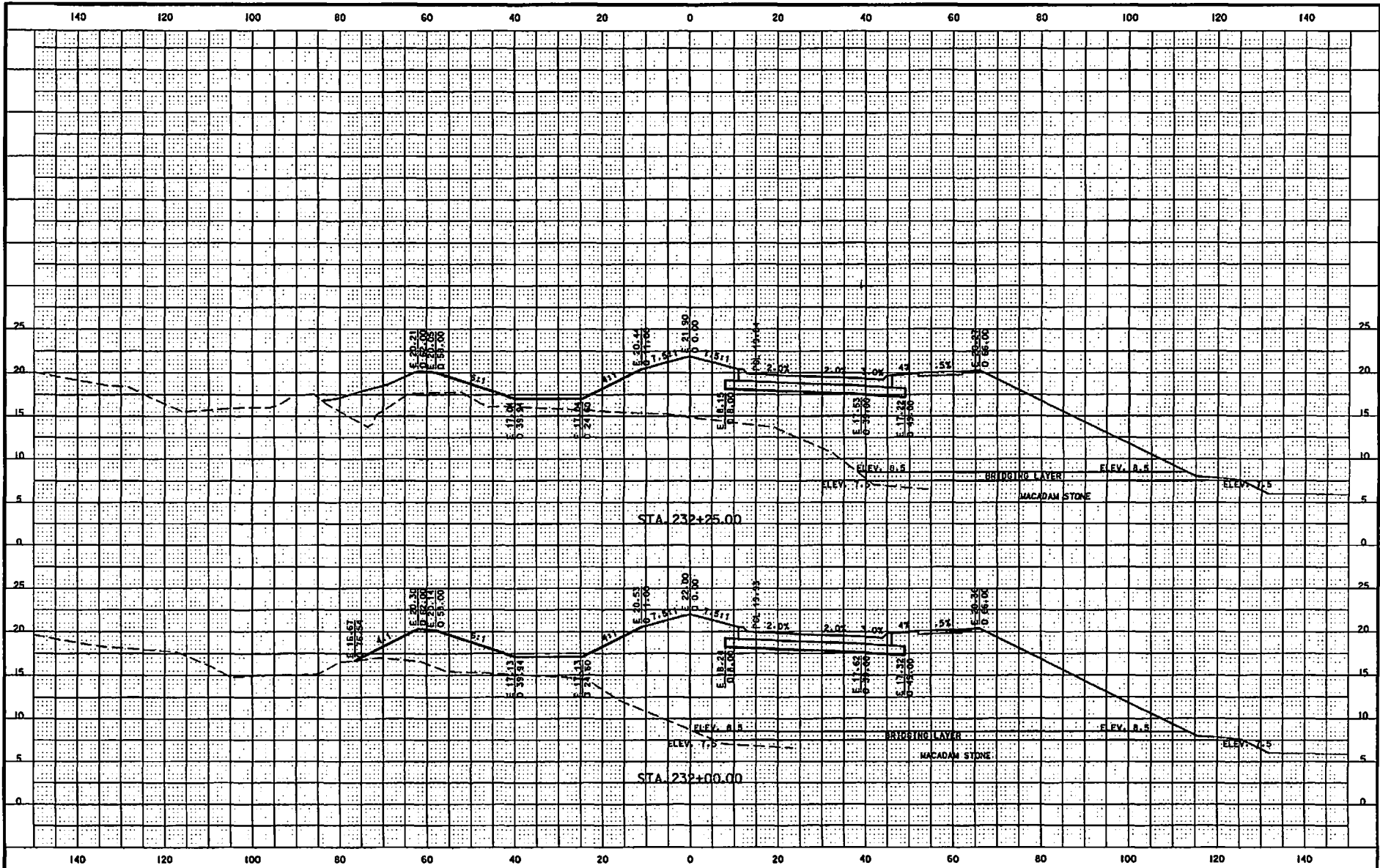
POLK COUNTY

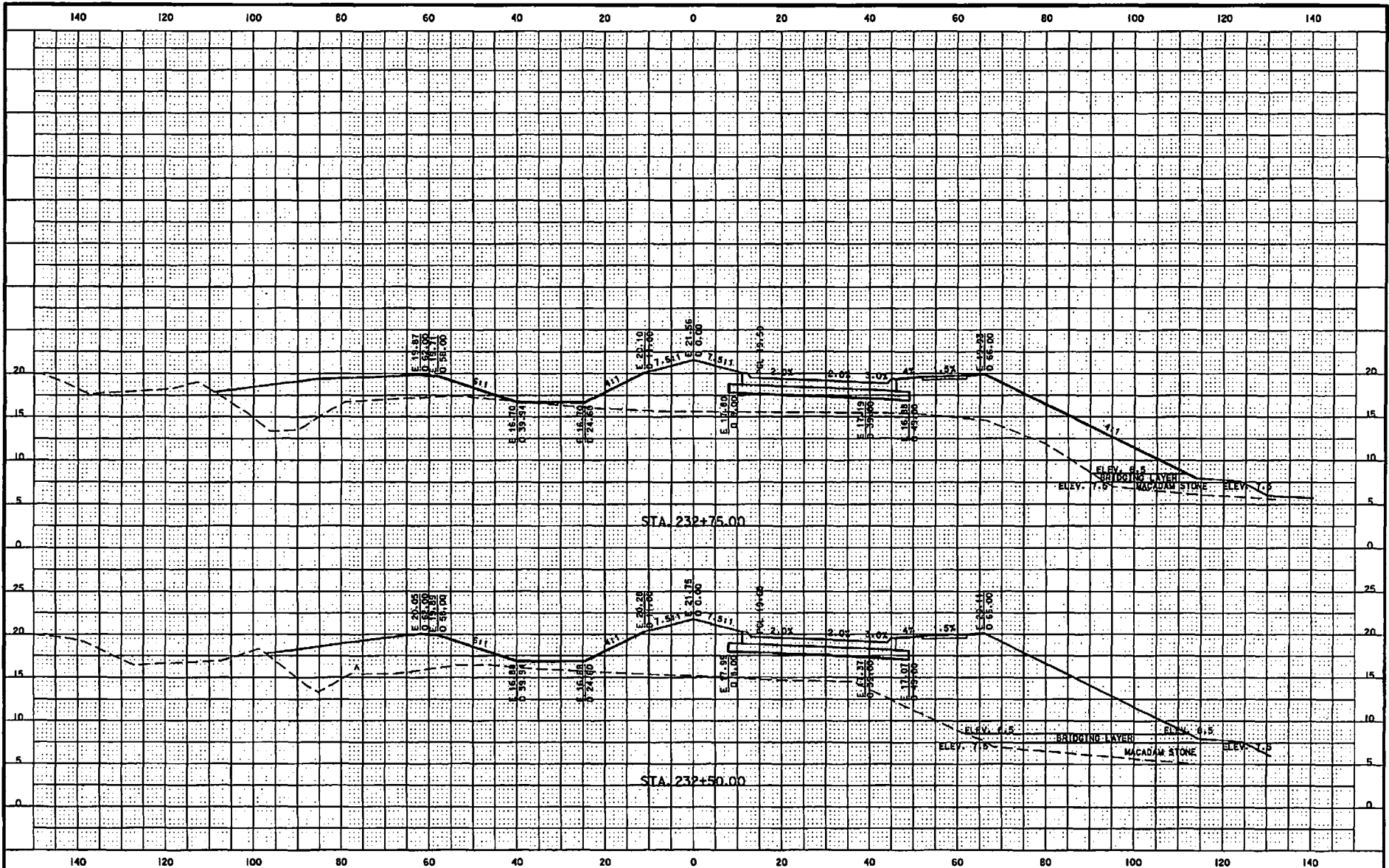
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NHS-U-1945(409)-86-77

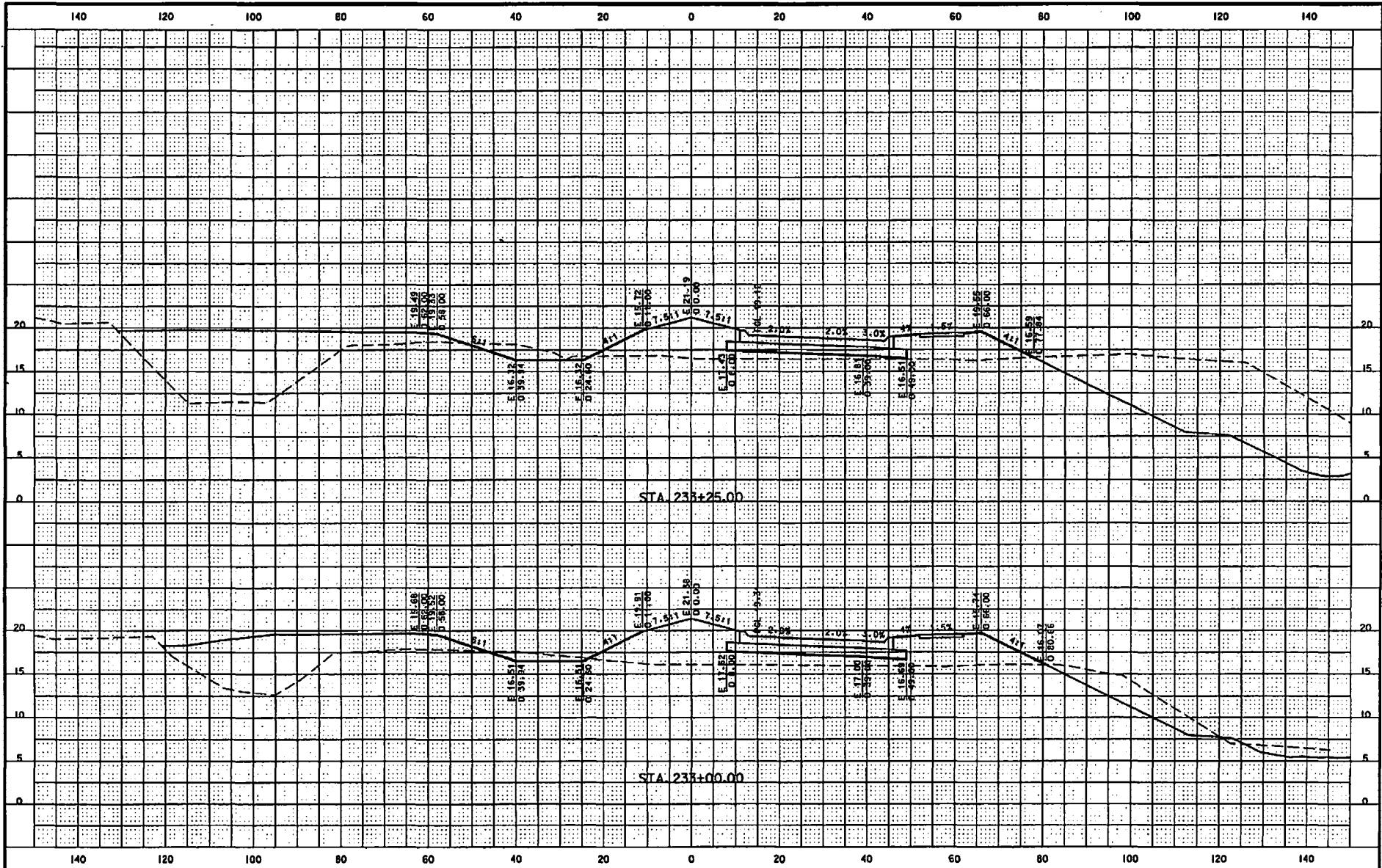
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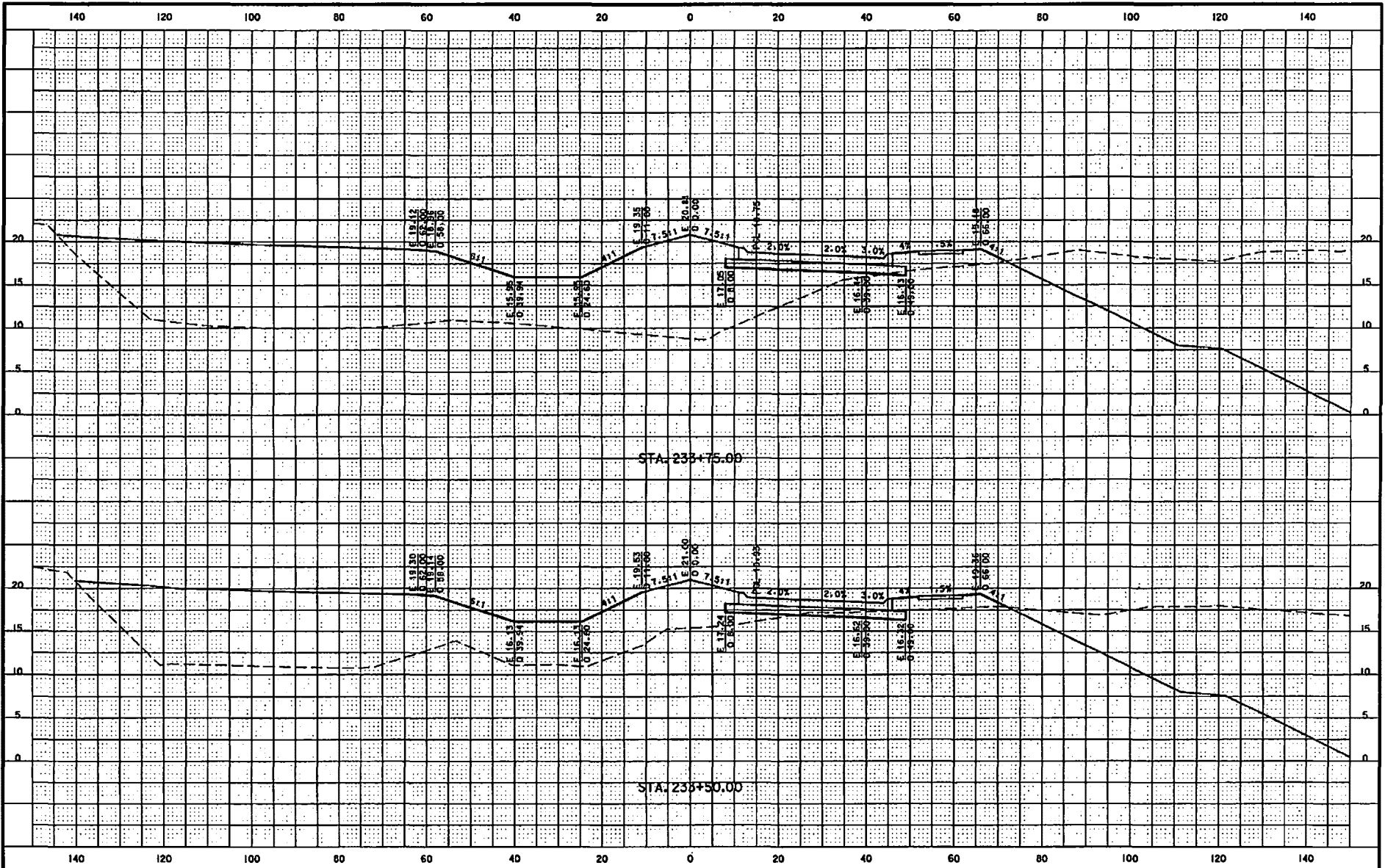
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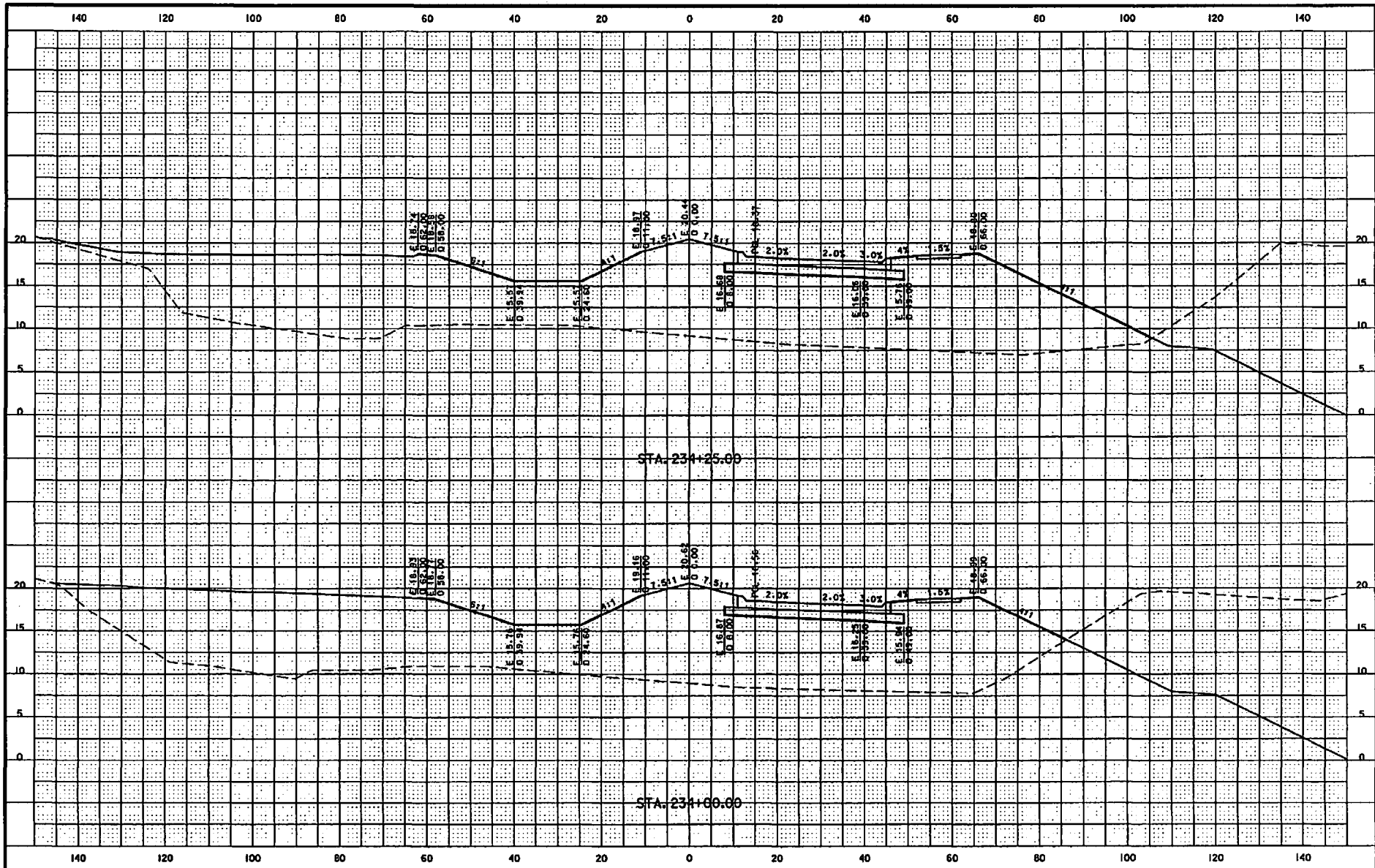
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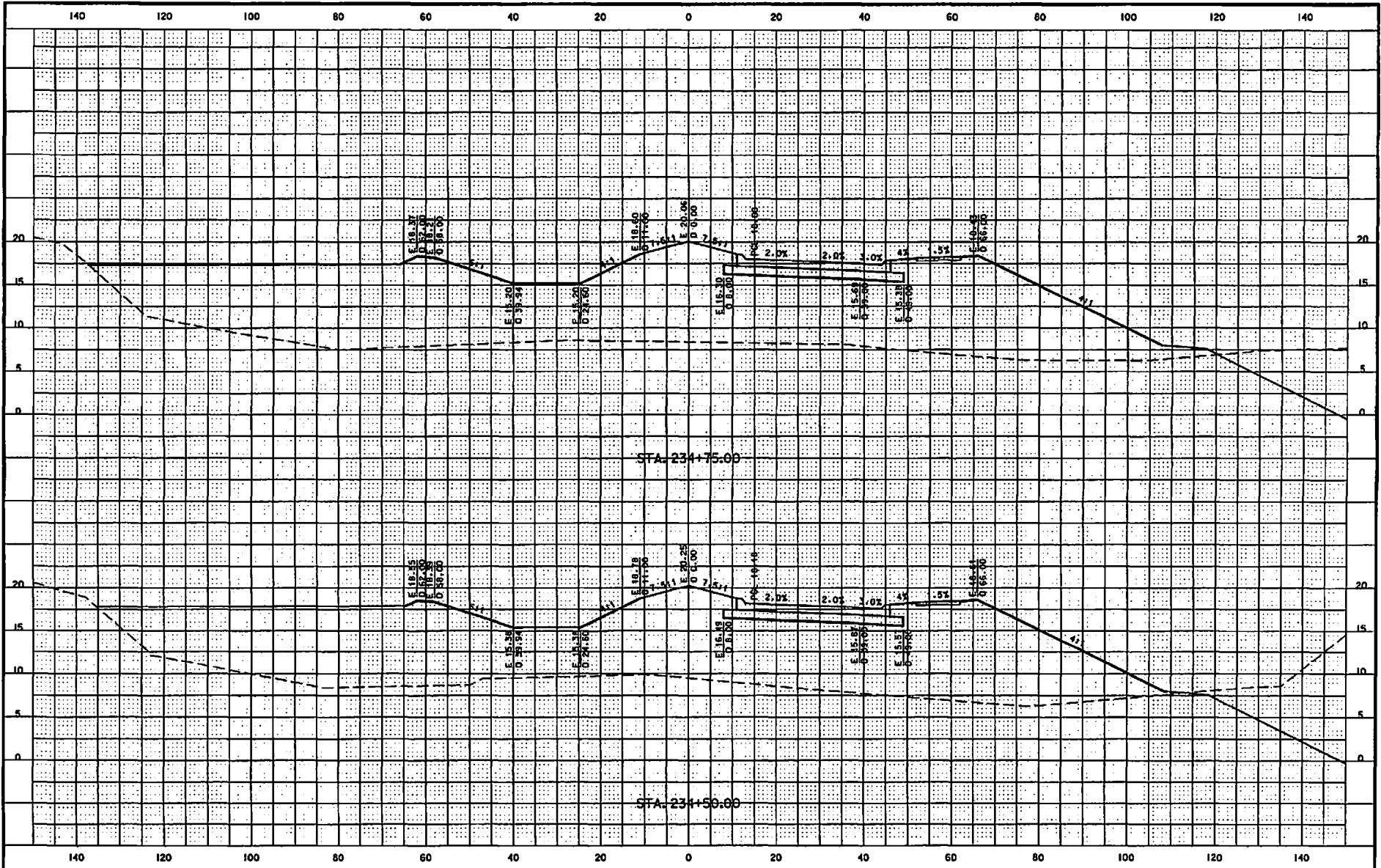


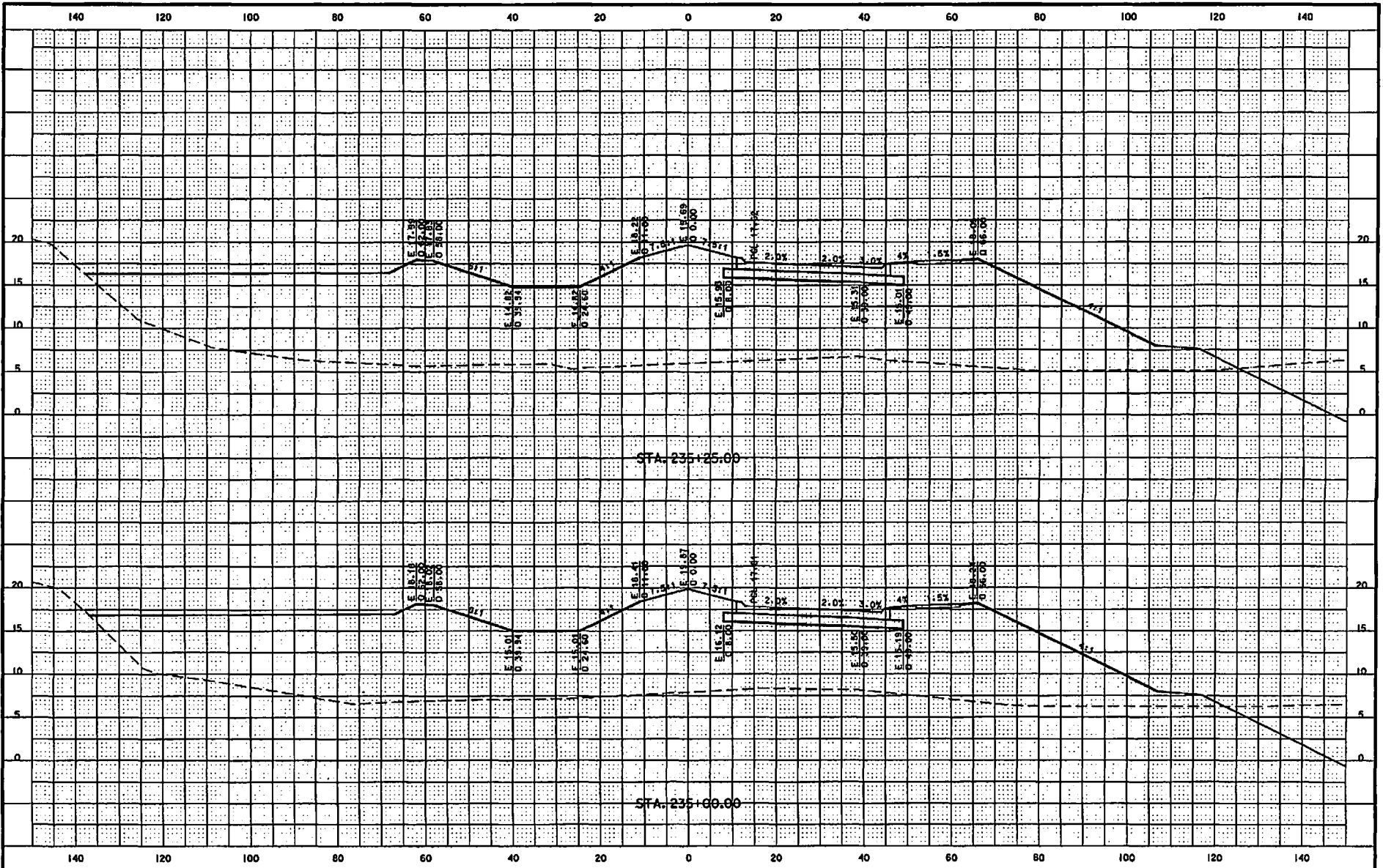


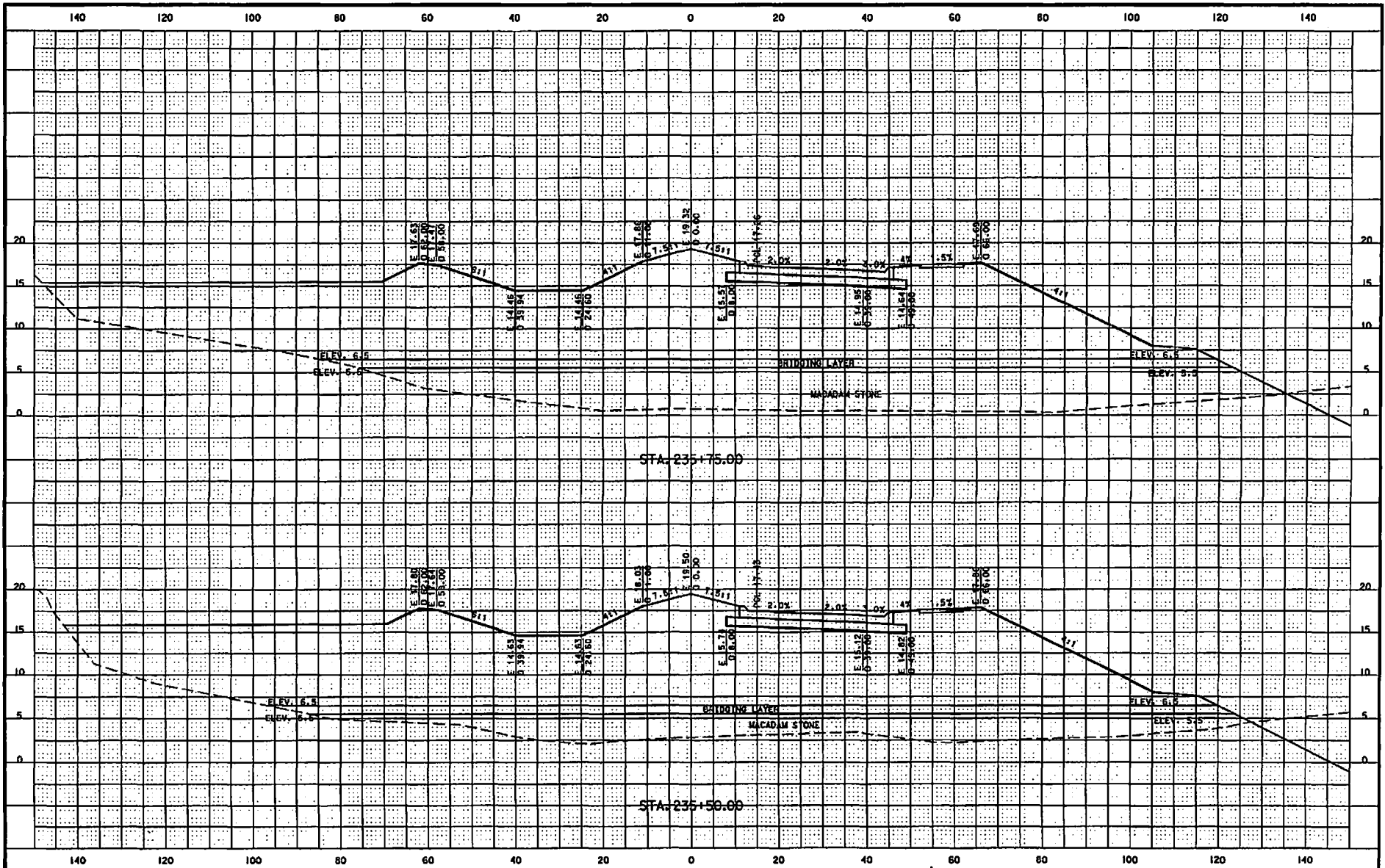
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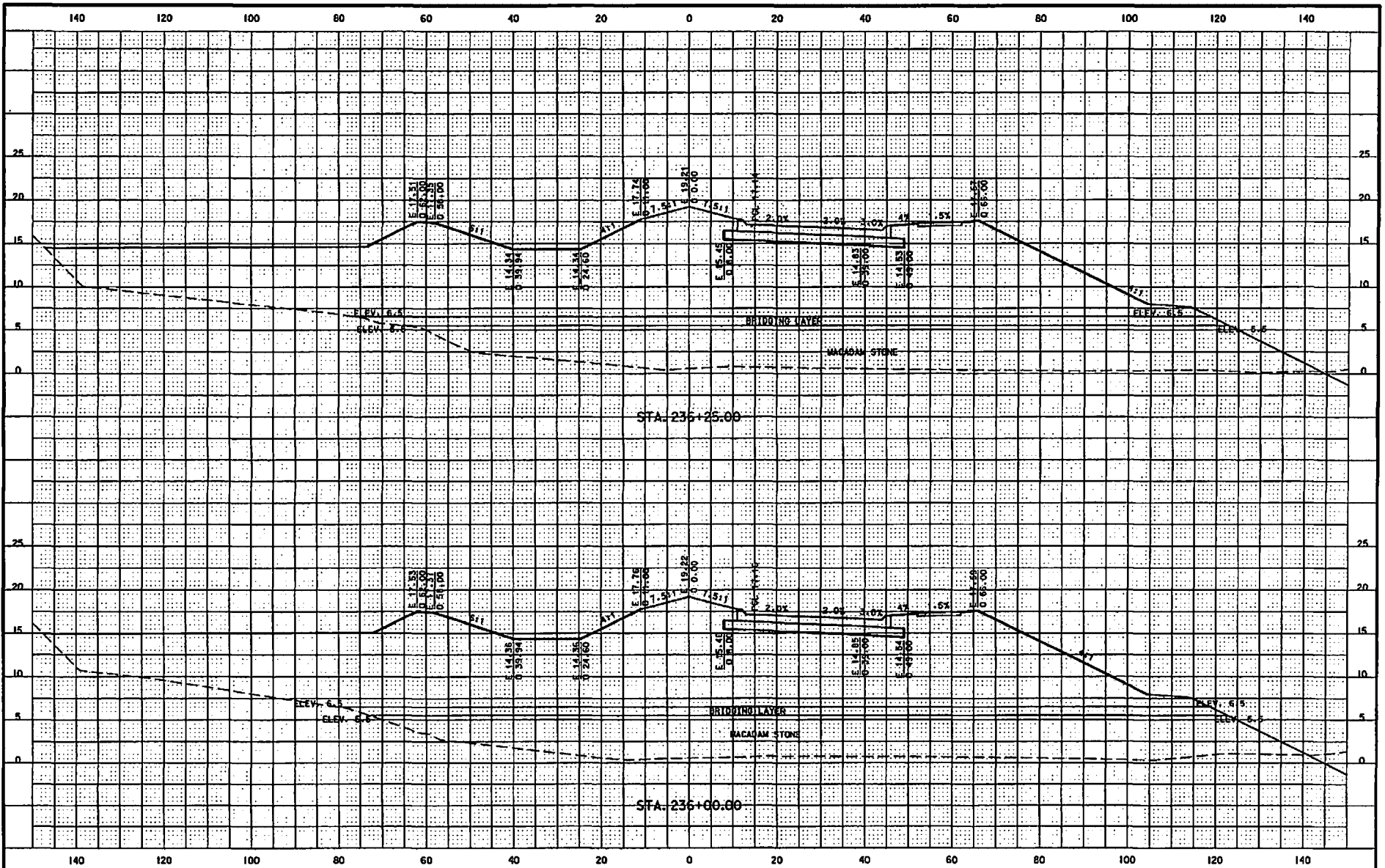






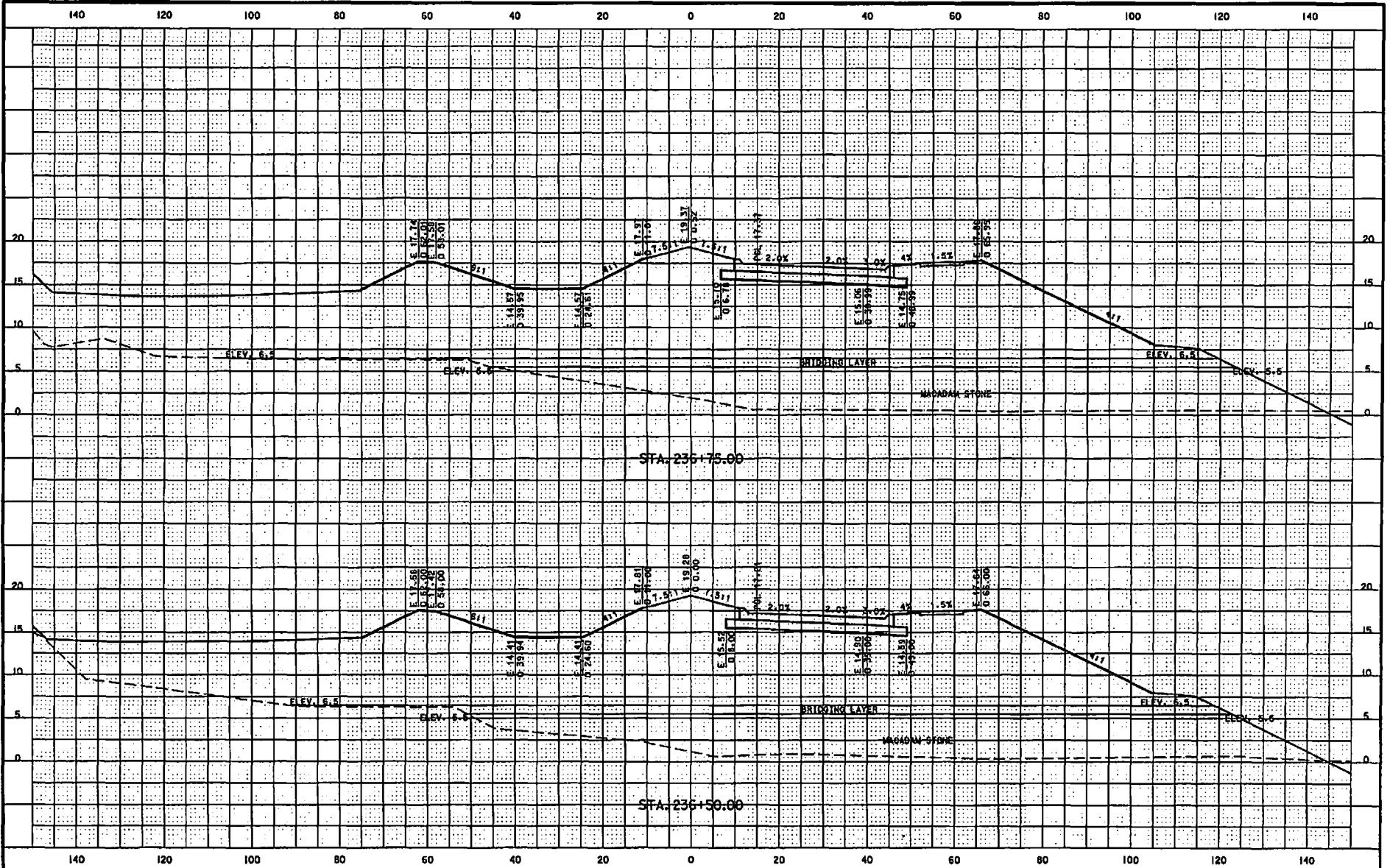
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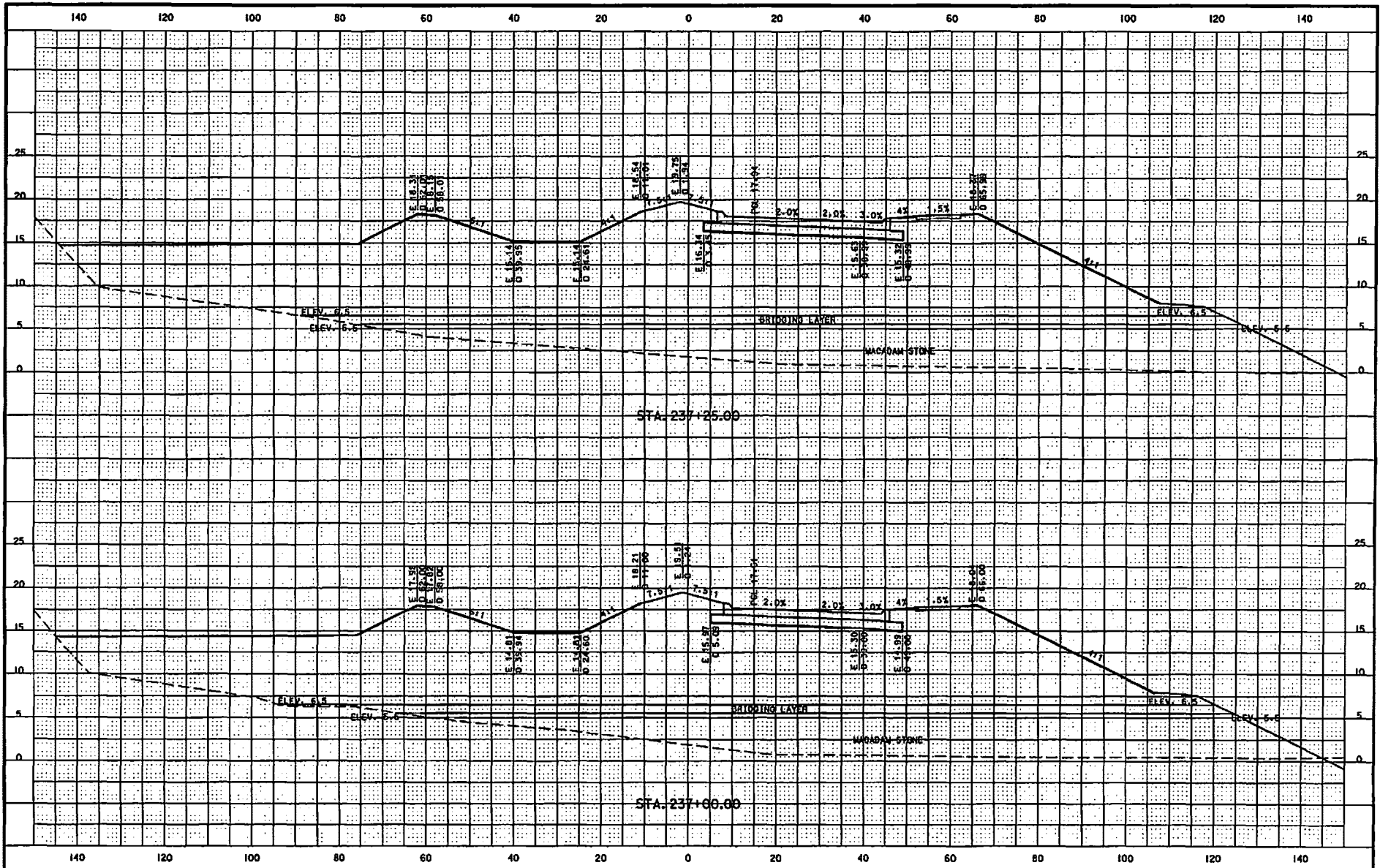
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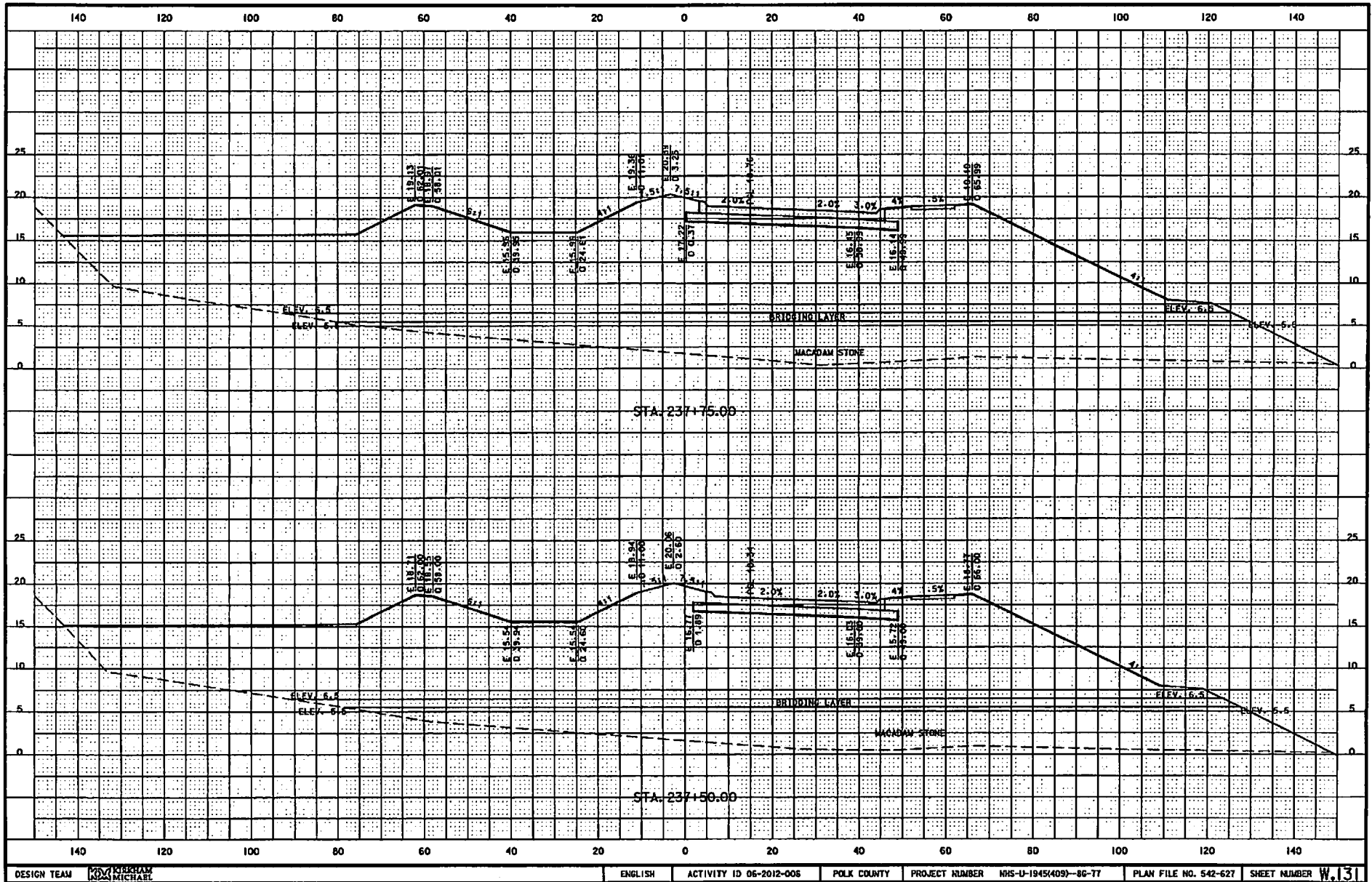
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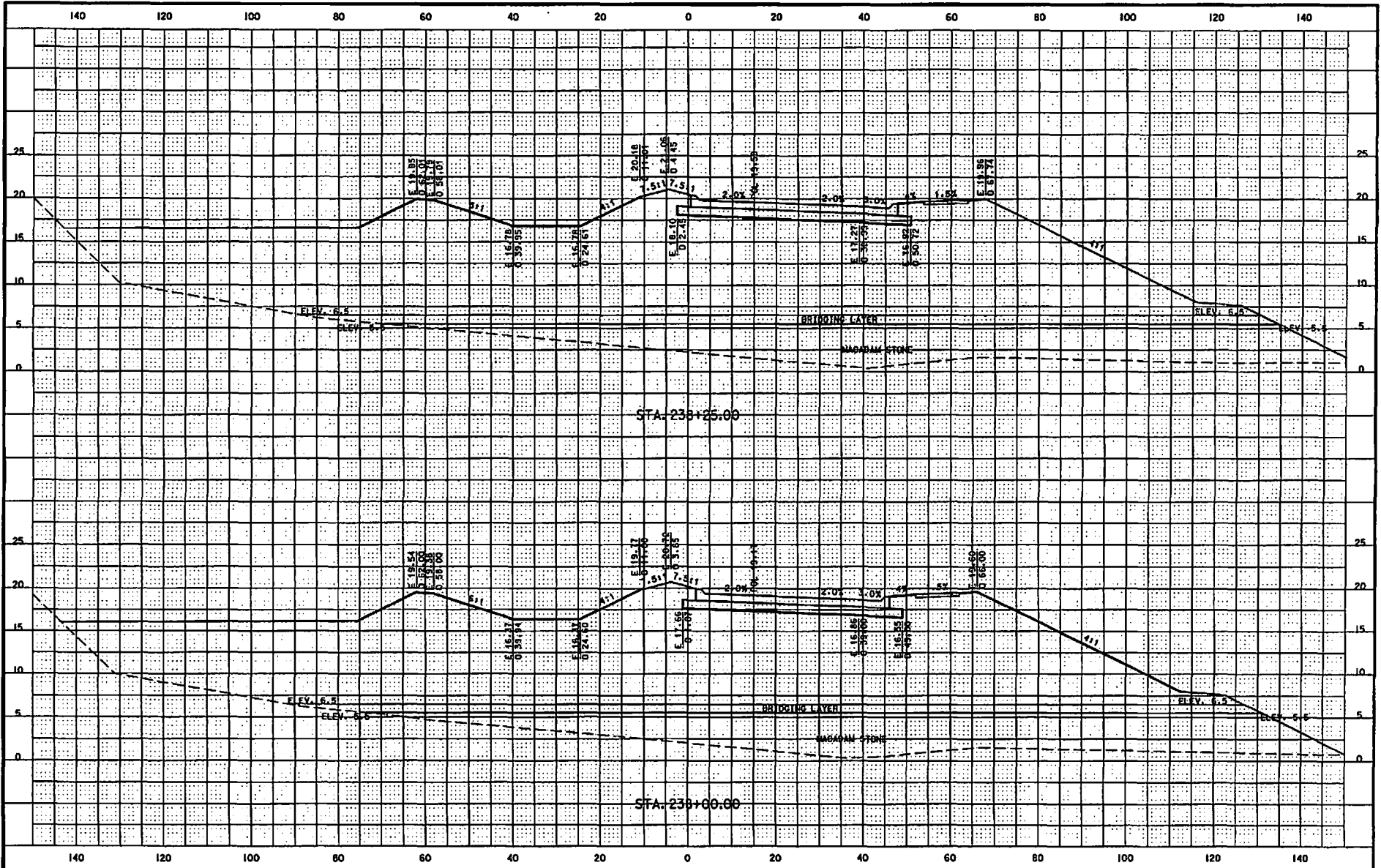
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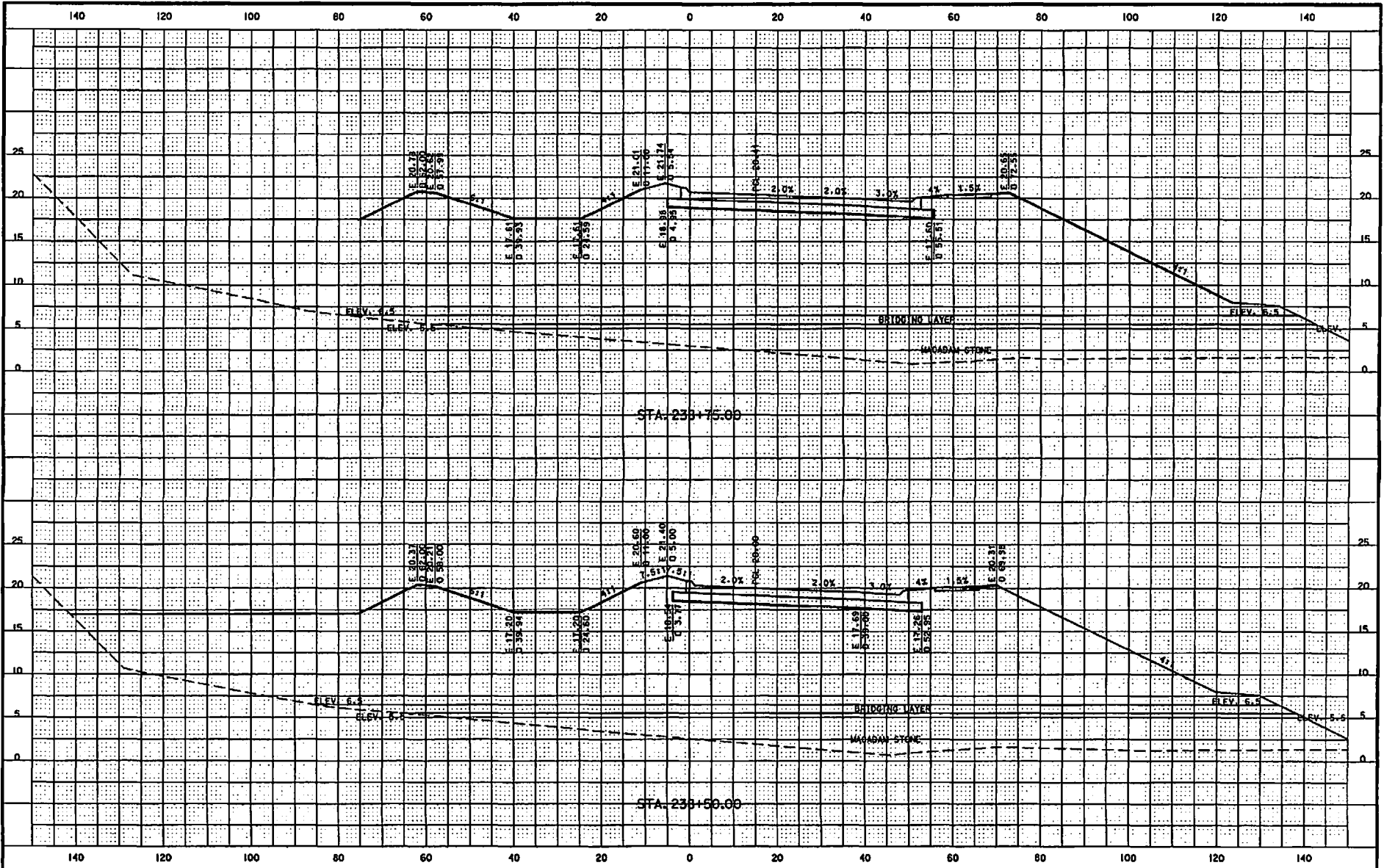
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DESIGN TEAM	PKB MICHAEL	ENGLISH	ACTIVITY ID 06-2012-005	POLK COUNTY	PROJECT NUMBER	NHS-U-1945(409)-86-77	PLAN FILE NO. 542-627	SHEET NUMBER	W.131
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**REQUIRED CONTRACT PROVISIONS
FEDERAL-AID CONSTRUCTION CONTRACTS**

- I. General
- II. Nondiscrimination
- III. Nonsegregated Facilities
- IV. Davis-Bacon and Related Act Provisions
- V. Contract Work Hours and Safety Standards Act Provisions
- VI. Subletting or Assigning the Contract
- VII. Safety: Accident Prevention
- VIII. False Statements Concerning Highway Projects
- IX. Implementation of Clean Air Act and Federal Water Pollution Control Act
- X. Compliance with Governmentwide Suspension and Debarment Requirements
- XI. Certification Regarding Use of Contract Funds for Lobbying

ATTACHMENTS

A. Employment and Materials Preference for Appalachian Development Highway System or Appalachian Local Access Road Contracts (included in Appalachian contracts only)

I. GENERAL

1. Form FHWA-1273 must be physically incorporated in each construction contract funded under Title 23 (excluding emergency contracts solely intended for debris removal). The contractor (or subcontractor) must insert this form in each subcontract and further require its inclusion in all lower tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services).

The applicable requirements of Form FHWA-1273 are incorporated by reference for work done under any purchase order, rental agreement or agreement for other services. The prime contractor shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Form FHWA-1273 must be included in all Federal-aid design-build contracts, in all subcontracts and in lower tier subcontracts (excluding subcontracts for design services, purchase orders, rental agreements and other agreements for supplies or services). The design-builder shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Contracting agencies may reference Form FHWA-1273 in bid proposal or request for proposal documents, however, the Form FHWA-1273 must be physically incorporated (not referenced) in all contracts, subcontracts and lower-tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services related to a construction contract).

2. Subject to the applicability criteria noted in the following sections, these contract provisions shall apply to all work performed on the contract by the contractor's own organization and with the assistance of workers under the contractor's immediate superintendence and to all work performed on the contract by piecework, station work, or by subcontract.

3. A breach of any of the stipulations contained in these Required Contract Provisions may be sufficient grounds for withholding of progress payments, withholding of final payment, termination of the contract, suspension / debarment or any other action determined to be appropriate by the contracting agency and FHWA.

4. Selection of Labor: During the performance of this contract, the contractor shall not use convict labor for any purpose within the limits of a construction project on a Federal-aid highway unless it is labor performed by convicts who are on parole, supervised release, or probation. The term Federal-aid highway does not include roadways functionally classified as local roads or rural minor collectors.

II. NONDISCRIMINATION

The provisions of this section related to 23 CFR Part 230 are applicable to all Federal-aid construction contracts and to all related construction subcontracts of \$10,000 or more. The provisions of 23 CFR Part 230 are not applicable to material supply, engineering, or architectural service contracts.

In addition, the contractor and all subcontractors must comply with the following policies: Executive Order 11246, 41 CFR 60, 29 CFR 1625-1627, Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794), Title VI of the Civil Rights Act of 1964, as amended, and related regulations including 49 CFR Parts 21, 26 and 27; and 23 CFR Parts 200, 230, and 633.

The contractor and all subcontractors must comply with: the requirements of the Equal Opportunity Clause in 41 CFR 60-1.4(b) and, for all construction contracts exceeding \$10,000, the Standard Federal Equal Employment Opportunity Construction Contract Specifications in 41 CFR 60-4.3.

Note: The U.S. Department of Labor has exclusive authority to determine compliance with Executive Order 11246 and the policies of the Secretary of Labor including 41 CFR 60, and 29 CFR 1625-1627. The contracting agency and the FHWA have the authority and the responsibility to ensure compliance with Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794), and Title VI of the Civil Rights Act of 1964, as amended, and related regulations including 49 CFR Parts 21, 26 and 27; and 23 CFR Parts 200, 230, and 633.

The following provision is adopted from 23 CFR 230, Appendix A, with appropriate revisions to conform to the U.S. Department of Labor (US DOL) and FHWA requirements.

1. Equal Employment Opportunity: Equal employment opportunity (EEO) requirements not to discriminate and to take affirmative action to assure equal opportunity as set forth under laws, executive orders, rules, regulations (28 CFR 35, 29 CFR 1630, 29 CFR 1625-1627, 41 CFR 60 and 49 CFR 27) and orders of the Secretary of Labor as modified by the provisions prescribed herein, and imposed pursuant to 23 U.S.C. 140 shall constitute the EEO and specific affirmative action standards for the contractor's project activities under

this contract. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) set forth under 28 CFR 35 and 29 CFR 1630 are incorporated by reference in this contract. In the execution of this contract, the contractor agrees to comply with the following minimum specific requirement activities of EEO:

a. The contractor will work with the contracting agency and the Federal Government to ensure that it has made every good faith effort to provide equal opportunity with respect to all of its terms and conditions of employment and in their review of activities under the contract.

b. The contractor will accept as its operating policy the following statement:

"It is the policy of this Company to assure that applicants are employed, and that employees are treated during employment, without regard to their race, religion, sex, color, national origin, age or disability. Such action shall include: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, pre-apprenticeship, and/or on-the-job training."

2. EEO Officer: The contractor will designate and make known to the contracting officers an EEO Officer who will have the responsibility for and must be capable of effectively administering and promoting an active EEO program and who must be assigned adequate authority and responsibility to do so.

3. Dissemination of Policy: All members of the contractor's staff who are authorized to hire, supervise, promote, and discharge employees, or who recommend such action, or who are substantially involved in such action, will be made fully cognizant of, and will implement, the contractor's EEO policy and contractual responsibilities to provide EEO in each grade and classification of employment. To ensure that the above agreement will be met, the following actions will be taken as a minimum:

a. Periodic meetings of supervisory and personnel office employees will be conducted before the start of work and then not less often than once every six months, at which time the contractor's EEO policy and its implementation will be reviewed and explained. The meetings will be conducted by the EEO Officer.

b. All new supervisory or personnel office employees will be given a thorough indoctrination by the EEO Officer, covering all major aspects of the contractor's EEO obligations within thirty days following their reporting for duty with the contractor.

c. All personnel who are engaged in direct recruitment for the project will be instructed by the EEO Officer in the contractor's procedures for locating and hiring minorities and women.

d. Notices and posters setting forth the contractor's EEO policy will be placed in areas readily accessible to employees, applicants for employment and potential employees.

e. The contractor's EEO policy and the procedures to implement such policy will be brought to the attention of employees by means of meetings, employee handbooks, or other appropriate means.

4. Recruitment: When advertising for employees, the contractor will include in all advertisements for employees the notation: "An Equal Opportunity Employer." All such advertisements will be placed in publications having a large circulation among minorities and women in the area from which the project work force would normally be derived.

a. The contractor will, unless precluded by a valid bargaining agreement, conduct systematic and direct recruitment through public and private employee referral sources likely to yield qualified minorities and women. To meet this requirement, the contractor will identify sources of potential minority group employees, and establish with such identified sources procedures whereby minority and women applicants may be referred to the contractor for employment consideration.

b. In the event the contractor has a valid bargaining agreement providing for exclusive hiring hall referrals, the contractor is expected to observe the provisions of that agreement to the extent that the system meets the contractor's compliance with EEO contract provisions. Where implementation of such an agreement has the effect of discriminating against minorities or women, or obligates the contractor to do the same, such implementation violates Federal nondiscrimination provisions.

c. The contractor will encourage its present employees to refer minorities and women as applicants for employment. Information and procedures with regard to referring such applicants will be discussed with employees.

5. Personnel Actions: Wages, working conditions, and employee benefits shall be established and administered, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and termination, shall be taken without regard to race, color, religion, sex, national origin, age or disability. The following procedures shall be followed:

a. The contractor will conduct periodic inspections of project sites to insure that working conditions and employee facilities do not indicate discriminatory treatment of project site personnel.

b. The contractor will periodically evaluate the spread of wages paid within each classification to determine any evidence of discriminatory wage practices.

c. The contractor will periodically review selected personnel actions in depth to determine whether there is evidence of discrimination. Where evidence is found, the contractor will promptly take corrective action. If the review indicates that the discrimination may extend beyond the actions reviewed, such corrective action shall include all affected persons.

d. The contractor will promptly investigate all complaints of alleged discrimination made to the contractor in connection with its obligations under this contract, will attempt to resolve such complaints, and will take appropriate corrective action within a reasonable time. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action shall include such other persons. Upon completion of each investigation, the contractor will inform every complainant of all of their avenues of appeal.

6. Training and Promotion:

a. The contractor will assist in locating, qualifying, and increasing the skills of minorities and women who are

applicants for employment or current employees. Such efforts should be aimed at developing full journey level status employees in the type of trade or job classification involved.

b. Consistent with the contractor's work force requirements and as permissible under Federal and State regulations, the contractor shall make full use of training programs, i.e., apprenticeship, and on-the-job training programs for the geographical area of contract performance. In the event a special provision for training is provided under this contract, this subparagraph will be superseded as indicated in the special provision. The contracting agency may reserve training positions for persons who receive welfare assistance in accordance with 23 U.S.C. 140(a).

c. The contractor will advise employees and applicants for employment of available training programs and entrance requirements for each.

d. The contractor will periodically review the training and promotion potential of employees who are minorities and women and will encourage eligible employees to apply for such training and promotion.

7. Unions: If the contractor relies in whole or in part upon unions as a source of employees, the contractor will use good faith efforts to obtain the cooperation of such unions to increase opportunities for minorities and women. Actions by the contractor, either directly or through a contractor's association acting as agent, will include the procedures set forth below:

a. The contractor will use good faith efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minorities and women for membership in the unions and increasing the skills of minorities and women so that they may qualify for higher paying employment.

b. The contractor will use good faith efforts to incorporate an EEO clause into each union agreement to the end that such union will be contractually bound to refer applicants without regard to their race, color, religion, sex, national origin, age or disability.

c. The contractor is to obtain information as to the referral practices and policies of the labor union except that to the extent such information is within the exclusive possession of the labor union and such labor union refuses to furnish such information to the contractor, the contractor shall so certify to the contracting agency and shall set forth what efforts have been made to obtain such information.

d. In the event the union is unable to provide the contractor with a reasonable flow of referrals within the time limit set forth in the collective bargaining agreement, the contractor will, through independent recruitment efforts, fill the employment vacancies without regard to race, color, religion, sex, national origin, age or disability; making full efforts to obtain qualified and/or qualifiable minorities and women. The failure of a union to provide sufficient referrals (even though it is obligated to provide exclusive referrals under the terms of a collective bargaining agreement) does not relieve the contractor from the requirements of this paragraph. In the event the union referral practice prevents the contractor from meeting the obligations pursuant to Executive Order 11246, as amended, and these special provisions, such contractor shall immediately notify the contracting agency.

8. Reasonable Accommodation for Applicants / Employees with Disabilities: The contractor must be familiar

with the requirements for and comply with the Americans with Disabilities Act and all rules and regulations established there under. Employers must provide reasonable accommodation in all employment activities unless to do so would cause an undue hardship.

9. Selection of Subcontractors, Procurement of Materials and Leasing of Equipment: The contractor shall not discriminate on the grounds of race, color, religion, sex, national origin, age or disability in the selection and retention of subcontractors, including procurement of materials and leases of equipment. The contractor shall take all necessary and reasonable steps to ensure nondiscrimination in the administration of this contract.

a. The contractor shall notify all potential subcontractors and suppliers and lessors of their EEO obligations under this contract.

b. The contractor will use good faith efforts to ensure subcontractor compliance with their EEO obligations.

10. Assurance Required by 49 CFR 26.13(b):

a. The requirements of 49 CFR Part 26 and the State DOT's U.S. DOT-approved DBE program are incorporated by reference.

b. The contractor or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the contracting agency deems appropriate.

11. Records and Reports: The contractor shall keep such records as necessary to document compliance with the EEO requirements. Such records shall be retained for a period of three years following the date of the final payment to the contractor for all contract work and shall be available at reasonable times and places for inspection by authorized representatives of the contracting agency and the FHWA.

a. The records kept by the contractor shall document the following:

(1) The number and work hours of minority and non-minority group members and women employed in each work classification on the project;

(2) The progress and efforts being made in cooperation with unions, when applicable, to increase employment opportunities for minorities and women; and

(3) The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minorities and women;

b. The contractors and subcontractors will submit an annual report to the contracting agency each July for the duration of the project, indicating the number of minority, women, and non-minority group employees currently engaged in each work classification required by the contract work. This information is to be reported on Form FHWA-1391. The staffing data should represent the project work force on board in all or any part of the last payroll period preceding the end of July. If on-the-job training is being required by special provision, the contractor

will be required to collect and report training data. The employment data should reflect the work force on board during all or any part of the last payroll period preceding the end of July.

III. NONSEGREGATED FACILITIES

This provision is applicable to all Federal-aid construction contracts and to all related construction subcontracts of \$10,000 or more.

The contractor must ensure that facilities provided for employees are provided in such a manner that segregation on the basis of race, color, religion, sex, or national origin cannot result. The contractor may neither require such segregated use by written or oral policies nor tolerate such use by employee custom. The contractor's obligation extends further to ensure that its employees are not assigned to perform their services at any location, under the contractor's control, where the facilities are segregated. The term "facilities" includes waiting rooms, work areas, restaurants and other eating areas, time clocks, restrooms, washrooms, locker rooms, and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing provided for employees. The contractor shall provide separate or single-user restrooms and necessary dressing or sleeping areas to assure privacy between sexes.

IV. DAVIS-BACON AND RELATED ACT PROVISIONS

This section is applicable to all Federal-aid construction projects exceeding \$2,000 and to all related subcontracts and lower-tier subcontracts (regardless of subcontract size). The requirements apply to all projects located within the right-of-way of a roadway that is functionally classified as Federal-aid highway. This excludes roadways functionally classified as local roads or rural minor collectors, which are exempt. Contracting agencies may elect to apply these requirements to other projects.

The following provisions are from the U.S. Department of Labor regulations in 29 CFR 5.5 "Contract provisions and related matters" with minor revisions to conform to the FHWA-1273 format and FHWA program requirements.

1. Minimum wages

a. All laborers and mechanics employed or working upon the site of the work, will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics.

Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions

of paragraph 1.d. of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under paragraph 1.b. of this section) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

b.(1) The contracting officer shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. The contracting officer shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:

(i) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(ii) The classification is utilized in the area by the construction industry; and

(iii) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(2) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(3) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Wage and Hour Administrator for determination. The Wage and Hour Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or

will notify the contracting officer within the 30-day period that additional time is necessary.

(4) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs 1.b.(2) or 1.b.(3) of this section, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

c. Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

d. If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, Provided, That the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

2. Withholding

The contracting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor under this contract, or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work, all or part of the wages required by the contract, the contracting agency may, after written notice to the contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

3. Payrolls and basic records

a. Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-

Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

b.(1) The contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the contracting agency. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall only need to include an individually identifying number for each employee (e.g., the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division Web site at <http://www.dol.gov/esa/whd/forms/wh347instr.htm> or its successor site. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to the contracting agency for transmission to the State DOT, the FHWA or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to the contracting agency..

(2) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(i) That the payroll for the payroll period contains the information required to be provided under §5.5 (a)(3)(ii) of Regulations, 29 CFR part 5, the appropriate information is being maintained under §5.5 (a)(3)(i) of Regulations, 29 CFR part 5, and that such information is correct and complete;

(ii) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations, 29 CFR part 3;

(iii) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

(3) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 3.b.(2) of this section.

(4) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under section 1001 of title 18 and section 231 of title 31 of the United States Code.

c. The contractor or subcontractor shall make the records required under paragraph 3.a. of this section available for inspection, copying, or transcription by authorized representatives of the contracting agency, the State DOT, the FHWA, or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the FHWA may, after written notice to the contractor, the contracting agency or the State DOT, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

4. Apprentices and trainees

a. Apprentices (programs of the USDOL).

Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice.

The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed.

Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly

rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination.

In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

b. Trainees (programs of the USDOL).

Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration.

The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration.

Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed.

In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

c. Equal employment opportunity. The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.

d. Apprentices and Trainees (programs of the U.S. DOT).

Apprentices and trainees working under apprenticeship and skill training programs which have been certified by the Secretary of Transportation as promoting EEO in connection with Federal-aid highway construction programs are not subject to the requirements of paragraph 4 of this Section IV. The straight time hourly wage rates for apprentices and trainees under such programs will be established by the particular programs. The ratio of apprentices and trainees to journeymen shall not be greater than permitted by the terms of the particular program.

5. Compliance with Copeland Act requirements. The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract.

6. Subcontracts. The contractor or subcontractor shall insert Form FHWA-1273 in any subcontracts and also require the subcontractors to include Form FHWA-1273 in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR 5.5.

7. Contract termination; debarment. A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

8. Compliance with Davis-Bacon and Related Act requirements. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract.

9. Disputes concerning labor standards. Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

10. Certification of eligibility.

a. By entering into this contract, the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

b. No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

c. The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.

V. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT

The following clauses apply to any Federal-aid construction contract in an amount in excess of \$100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act. These clauses shall be inserted in addition to the clauses required by 29 CFR 5.5(a) or 29 CFR 4.6. As used in this paragraph, the terms laborers and mechanics include watchmen and guards.

1. Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

2. Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph (1.) of this section, the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1.) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1.) of this section.

3. Withholding for unpaid wages and liquidated damages. The FHWA or the contracting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2.) of this section.

4. Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (1.) through (4.) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (1.) through (4.) of this section.

VI. SUBLETTING OR ASSIGNING THE CONTRACT

This provision is applicable to all Federal-aid construction contracts on the National Highway System.

1. The contractor shall perform with its own organization contract work amounting to not less than 30 percent (or a greater percentage if specified elsewhere in the contract) of the total original contract price, excluding any specialty items designated by the contracting agency. Specialty items may be performed by subcontract and the amount of any such specialty items performed may be deducted from the total original contract price before computing the amount of work required to be performed by the contractor's own organization (23 CFR 635.116).

a. The term "perform work with its own organization" refers to workers employed or leased by the prime contractor, and equipment owned or rented by the prime contractor, with or without operators. Such term does not include employees or equipment of a subcontractor or lower tier subcontractor, agents of the prime contractor, or any other assignees. The term may include payments for the costs of hiring leased employees from an employee leasing firm meeting all relevant Federal and State regulatory requirements. Leased employees may only be included in this term if the prime contractor meets all of the following conditions:

- (1) the prime contractor maintains control over the supervision of the day-to-day activities of the leased employees;
- (2) the prime contractor remains responsible for the quality of the work of the leased employees;
- (3) the prime contractor retains all power to accept or exclude individual employees from work on the project; and
- (4) the prime contractor remains ultimately responsible for the payment of predetermined minimum wages, the submission of payrolls, statements of compliance and all other Federal regulatory requirements.

b. "Specialty Items" shall be construed to be limited to work that requires highly specialized knowledge, abilities, or equipment not ordinarily available in the type of contracting organizations qualified and expected to bid or propose on the contract as a whole and in general are to be limited to minor components of the overall contract.

2. The contract amount upon which the requirements set forth in paragraph (1) of Section VI is computed includes the cost of material and manufactured products which are to be purchased or produced by the contractor under the contract provisions.

3. The contractor shall furnish (a) a competent superintendent or supervisor who is employed by the firm, has full authority to direct performance of the work in accordance with the contract requirements, and is in charge of all construction operations (regardless of who performs the work) and (b) such other of its own organizational resources (supervision, management, and engineering services) as the contracting officer determines is necessary to assure the performance of the contract.

4. No portion of the contract shall be sublet, assigned or otherwise disposed of except with the written consent of the contracting officer, or authorized representative, and such consent when given shall not be construed to relieve the contractor of any responsibility for the fulfillment of the contract. Written consent will be given only after the contracting agency has assured that each subcontract is

evidenced in writing and that it contains all pertinent provisions and requirements of the prime contract.

5. The 30% self-performance requirement of paragraph (1) is not applicable to design-build contracts; however, contracting agencies may establish their own self-performance requirements.

VII. SAFETY: ACCIDENT PREVENTION

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

1. In the performance of this contract the contractor shall comply with all applicable Federal, State, and local laws governing safety, health, and sanitation (23 CFR 635). The contractor shall provide all safeguards, safety devices and protective equipment and take any other needed actions as it determines, or as the contracting officer may determine, to be reasonably necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract.

2. It is a condition of this contract, and shall be made a condition of each subcontract, which the contractor enters into pursuant to this contract, that the contractor and any subcontractor shall not permit any employee, in performance of the contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under construction safety and health standards (29 CFR 1926) promulgated by the Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704).

3. Pursuant to 29 CFR 1926.3, it is a condition of this contract that the Secretary of Labor or authorized representative thereof, shall have right of entry to any site of contract performance to inspect or investigate the matter of compliance with the construction safety and health standards and to carry out the duties of the Secretary under Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C.3704).

VIII. FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

In order to assure high quality and durable construction in conformity with approved plans and specifications and a high degree of reliability on statements and representations made by engineers, contractors, suppliers, and workers on Federal-aid highway projects, it is essential that all persons concerned with the project perform their functions as carefully, thoroughly, and honestly as possible. Willful falsification, distortion, or misrepresentation with respect to any facts related to the project is a violation of Federal law. To prevent any misunderstanding regarding the seriousness of these and similar acts, Form FHWA-1022 shall be posted on each Federal-aid highway project (23 CFR 635) in one or more places where it is readily available to all persons concerned with the project:

18 U.S.C. 1020 reads as follows:

"Whoever, being an officer, agent, or employee of the United States, or of any State or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the cost thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction on any highway or related project submitted for approval to the Secretary of Transportation; or

Whoever knowingly makes any false statement, false representation, false report or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or

Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of the Federal-aid Roads Act approved July 1, 1916, (39 Stat. 355), as amended and supplemented;

Shall be fined under this title or imprisoned not more than 5 years or both."

IX. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

By submission of this bid/proposal or the execution of this contract, or subcontract, as appropriate, the bidder, proposer, Federal-aid construction contractor, or subcontractor, as appropriate, will be deemed to have stipulated as follows:

1. That any person who is or will be utilized in the performance of this contract is not prohibited from receiving an award due to a violation of Section 508 of the Clean Water Act or Section 306 of the Clean Air Act.
2. That the contractor agrees to include or cause to be included the requirements of paragraph (1) of this Section X in every subcontract, and further agrees to take such action as the contracting agency may direct as a means of enforcing such requirements.

X. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, consultant contracts or any other covered transaction requiring FHWA approval or that is estimated to cost \$25,000 or more – as defined in 2 CFR Parts 180 and 1200.

1. Instructions for Certification – First Tier Participants:

- a. By signing and submitting this proposal, the prospective first tier participant is providing the certification set out below.
- b. The inability of a person to provide the certification set out below will not necessarily result in denial of participation in this

covered transaction. The prospective first tier participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective first tier participant to furnish a certification or an explanation shall disqualify such a person from participation in this transaction.

c. The certification in this clause is a material representation of fact upon which reliance was placed when the contracting agency determined to enter into this transaction. If it is later determined that the prospective participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the contracting agency may terminate this transaction for cause of default.

d. The prospective first tier participant shall provide immediate written notice to the contracting agency to whom this proposal is submitted if any time the prospective first tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

e. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180 and 1200. "First Tier Covered Transactions" refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

f. The prospective first tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction.

g. The prospective first tier participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transactions," provided by the department or contracting agency, entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold.

h. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the Excluded Parties List System website (<https://www.epls.gov/>), which is compiled by the General Services Administration.

i. Nothing contained in the foregoing shall be construed to require the establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of the prospective participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

j. Except for transactions authorized under paragraph (f) of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default.

2. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – First Tier Participants:

a. The prospective first tier participant certifies to the best of its knowledge and belief, that it and its principals:

(1) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency;

(2) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

(3) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (a)(2) of this certification; and

(4) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

b. Where the prospective participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

2. Instructions for Certification - Lower Tier Participants:

(Applicable to all subcontracts, purchase orders and other lower tier transactions requiring prior FHWA approval or estimated to cost \$25,000 or more - 2 CFR Parts 180 and 1200)

a. By signing and submitting this proposal, the prospective lower tier is providing the certification set out below.

b. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department, or agency with which

this transaction originated may pursue available remedies, including suspension and/or debarment.

c. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous by reason of changed circumstances.

d. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180 and 1200. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations. "First Tier Covered Transactions" refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

e. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.

f. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold.

g. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the Excluded Parties List System website (<https://www.epls.gov/>), which is compiled by the General Services Administration.

h. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

i. Except for transactions authorized under paragraph e of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the

department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Participants:

1. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency.

2. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

XI. CERTIFICATION REGARDING USE OF CONTRACT FUNDS FOR LOBBYING

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts which exceed \$100,000 (49 CFR 20).

1. The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

a. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

b. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

2. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

3. The prospective participant also agrees by submitting its bid or proposal that the participant shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such recipients shall certify and disclose accordingly.

PREDETERMINED WAGE RATE

IA 13 - 1.0

General Decision Number: IA130001 01/04/13 IA1

Superseded General Decision Number: IA20120001

State: Iowa

Construction Types: Heavy and Highway

Counties: Adair, Adams, Allamakee, Appanoose, Audubon, Benton, Black Hawk, Boone, Bremer, Buchanan, Buena Vista, Butler, Calhoun, Carroll, Cass, Cedar, Cerro Gordo, Cherokee, Chickasaw, Clarke, Clay, Clayton, Clinton, Crawford, Dallas, Davis, Decatur, Delaware, Des Moines, Dickinson, Dubuque, Emmet, Fayette, Floyd, Franklin, Fremont, Greene, Grundy, Guthrie, Hamilton, Hancock, Hardin, Harrison, Henry, Howard, Humboldt, Ida, Iowa, Jackson, Jasper, Jefferson, Johnson, Jones, Keokuk, Kossuth, Lee, Linn, Louisa, Lucas, Lyon, Madison, Mahaska, Marion, Marshall, Mills, Mitchell, Monona, Monroe, Montgomery, Muscatine, O'Brien, Osceola, Page, Palo Alto, Plymouth, Pocahontas, Polk, Pottawattamie, Poweshiek, Ringgold, Sac, Shelby, Sioux, Story, Tama, Taylor, Union, Van Buren, Wapello, Warren, Washington, Wayne, Webster, Winnebago, Winneshiek, Woodbury, Worth and Wright Counties in Iowa.

STATEWIDE EXCEPT SCOTT COUNTY HEAVY CONSTRUCTION PROJECTS
(Does not include work on or pertaining to the Mississippi or Missouri Rivers or on Water and Sewage Treatment Plants), **AND HIGHWAY PROJECTS** (does not include building structures in rest areas)

Modification Number	Publication Date
0	01/04/2013

SUIA2002-003 02/28/2012

CARPENTERS AND PILEDRIVERMEN:

	Rates	Fringes
ZONE 1	23.92	9.28
ZONE 2	21.83	9.28
ZONE 3	21.83	9.28
ZONE 4	20.80	7.50
ZONE 5**	20.25	6.10

CONCRETE FINISHER:

ZONE 1	21.77	6.50
ZONE 2	21.77	6.50
ZONE 3	21.77	6.50
ZONE 4	19.55	4.95
ZONE 5	17.95	5.50

PREDETERMINED WAGE RATE

IA 13 - 1.0

ELECTRICIANS: (STREET AND HIGHWAY LIGHTING AND TRAFFIC SIGNALS)

ZONE 1, ZONE 2, AND ZONE 3	20.55	5.20
ZONE 4	19.25	5.20
ZONE 5	17.00	5.20

IRONWORKERS: (SETTING OF STRUCTURAL STEEL)

ZONES 1 AND 2	25.05	7.45
ZONE 3	24.75	7.75
ZONE 4	20.65	6.60
ZONE 5**	20.25	6.10

LABORERS:

	Rates	Fringes
ZONE 1 AND ZONE 2		
GROUP AA	20.56	7.60
GROUP A	19.76	7.60
GROUP B	17.88	7.60
GROUP C	14.65	7.60
ZONE 3		
GROUP AA	20.56	7.60
GROUP A	19.76	7.60
GROUP B	17.88	7.60
GROUP C	14.65	7.60
ZONE 4		
GROUP A	16.90	7.60
GROUP B	15.58	7.60
GROUP C	12.70	7.60
ZONE 5		
GROUP A	17.55	5.90
GROUP B	14.80	5.90
GROUP C	14.20	5.90

POWER EQUIPMENT OPERATORS:

ZONE 1		
GROUP A	26.30	12.90
GROUP B	24.70	12.90
GROUP C	22.20	12.90
GROUP D	22.20	12.90
ZONE 2		
GROUP A	25.55	12.90
GROUP B	23.95	12.90
GROUP C	21.40	12.90
GROUP D	21.40	12.90
ZONE 3		
GROUP A	26.70	14.20
GROUP B	24.90	14.20
GROUP C	23.90	14.20
GROUP D	23.90	14.20

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ZONE 4		
GROUP A	25.50	7.85
GROUP B	24.36	7.85
GROUP C	22.28	7.85
GROUP D	22.28	7.85
ZONE 5		
GROUP A	22.07	6.20
GROUP B	21.03	6.20
GROUP C	19.70	6.20
GROUP D	18.70	6.20
TRUCK DRIVER (AND PAVEMENT MARKING DRIVER/SWITCHPERSON)		
ZONE 1	19.25	9.50
ZONE 2	19.25	9.50
ZONE 3	19.25	9.50
ZONE 4	19.30	5.20
ZONE 5	17.35	5.20

ZONE DEFINITIONS

- ZONE 1 The Counties of Polk, Warren and Dallas for all Crafts, and Linn County Carpenters only.
- ZONE 2 The Counties of Dubuque for all Crafts and Linn County for all Crafts except Carpenters.
- ZONE 3 The Cities of Burlington, Clinton, Fort Madison, Keokuk, and Muscatine (and abutting municipalities of any such cities).
- ZONE 4 Story, Black Hawk, Cedar, Jasper, Jones, Jackson, Louisa, Madison, and Marion Counties; Clinton County (except the City of Clinton), Johnson County, Muscatine County (except the City of Muscatine), the City of Council Bluffs, Lee County and Des Moines County.
- ZONE 5 All areas of the state not listed above.

LABORER CLASSIFICATIONS - ALL ZONES

GROUP AA - Skilled pipelayer (sewer, water and conduits) and tunnel laborers (zones 1, 2 and 3).

GROUP A - Carpenter tender on bridges and box culverts; curb machine (without a seat); deck hand; diamond & core drills; drill operator on air tracs, wagon drills and similar drills; form setter/stringman on paving work; gunnite nozzleman; joint sealer kettleman; laser operator; pipelayer (sewer, water, and conduits) Zone 4 & 5; powderman tender; powderman/blaster; saw operator; tunnel laborer (zones 4 and 5).

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GROUP B - Air, gas, electric tool operator; barco hammer; carpenter tender; caulker; chain sawman; compressor (under 400 cfm); concrete finisher tender; concrete processing materials and monitors; cutting torch on demolition; drill tender; dumpmen; electric drills; fence erectors; form line expansion joint assembler; form tamper; general laborer; grade checker; handling and placing metal mesh, dowel bars, reinforcing bars and chairs; hot asphalt laborer; installing temporary traffic control devices; jackhammerman; mechanical grouter; painter (all except stripers); paving breaker; planting trees, shrubs and flowers; power broom (not self-propelled); power buggyman; rakers; rodman (tying reinforcing steel); sandblaster; seeding and mulching; sewer utility topman/bottom man; spaders; stressor or stretcherman on pre or post tensioned concrete; stringman on re/surfacing/no grade control; swinging stage, tagline, or block and tackle; tampers; timberman; tool room men and checkers; tree climber; tree groundman; underpinning and shoring caissons over twelve feet deep; vibrators; walk behind trencher; walk behind paint stripers; walk behind vibrating compactor; water pumps (under three inch); work from bosun chair.

GROUP C - Scale weigh person; traffic control/flagger, surveillance or monitor; water carrier.

POWER EQUIPMENT OPERATOR CLASSIFICATIONS - ALL ZONES

GROUP A - All terrain (off road) forklift, Asphalt breakdown roller (vibratory); Asphalt laydown machine; asphalt plant; Asphalt screed; bulldozer (finish); central mix plant; concrete pump; crane; crawler tractor pulling scraper; directional drill (60,000 (lbs) pullback and above); dragline and power shovel; dredge engineer; excavator (over ½ cu. yd.); front end loader (4 cy and over); horizontal boring machine; master mechanic; milling machine (over 350 hp); motor grader (finish); push cat; rubber tired backhoe (over ½ cu. yd.); scraper (12 cu. yd. and over or finish); Self-propelled rotary mixer/road reclaimer; sidebroom tractor; slipform portland concrete paver; tow or push boat; trenching machine (Cleveland 80 or similar).

GROUP B - Articulated off road hauler, asphalt heater/planer; asphalt material transfer vehicle; Asphalt roller; belt loader or similar loader; bulldozer (rough); churn or rotary drill; concrete curb machine; crawler tractor pulling ripper, disk or roller; deck hand/oiler; directional drill (less than 60,000 (lbs) pullback); distributor; excavator (1/2 cu. yd. and under); form riding concrete paver; front end loader (2 to less than 4 cu. yd.); group equipment greaser; mechanic; milling machine (350 hp. and less); paving breaker; portland concrete dry batch plant; rubber tired backhoe (1/2 cu. yd. and under); scraper (under 12 cu. yd.); screening, washing and crushing plant (mobile, portable or stationary); shoulder machine; skid loader (1 cu. yd. and over); subgrader or trimmer; trenching machine; water wagon on compaction.

GROUP C - Boom & winch truck; concrete spreader/belt placer; deep wells for dewatering; farm type tractor (over 75 hp.) pulling disc or roller; forklift; front end loader (under 2 cu. yd.); motor grader (rough); pile hammer power unit; pump (greater than three inch diameter); pumps on well points; safety boat; self-propelled roller (other than asphalt); self-propelled sand blaster or shot blaster, water blaster or striping grinder/remover; skid loader (under 1 cu. yd.); truck mounted post driver.

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GROUP D - Boiler; compressor; cure and texture machine; dow box; farm type or utility tractor (under 75 hp.) pulling disk, roller or other attachments; group greaser tender; light plants; mechanic tender; mechanical broom; mechanical heaters; oiler; pumps (under three inch diameter); tree chipping machine; truck crane driver/oiler.

****CARPENTERS AND PILEDRIVERMEN, or IRONWORKERS (ZONE 5)**

Setting of structural steel; any welding incidental to bridge or culvert construction; setting concrete beams.

WELDERS: Receive rate prescribed for craft performing operation to which welding is incidental.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR 5.5 (a) (1) (ii)).

In the listing above, the "SU" designation means that rates listed under that identifier do not reflect collectively bargained wage and fringe benefit rates. Other designations indicate unions whose rates have been determined to be prevailing.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U. S. Department of Labor
200 Constitution Avenue, N. W.
Washington, D. C. 20210

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- 2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N. W.
Washington, D. C. 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

- 3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U. S. Department of Labor
200 Constitution Avenue, N. W.
Washington, D. C. 20210

- 4.) All decisions by the Administrative Review Board are final.

END OF GENERAL DECISION