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DU-018

SSH JV

UPRR Industrial Lead (Shoofly) Design Unit 018 – Work Package 01 Alternate Shoofly

SVBX C700

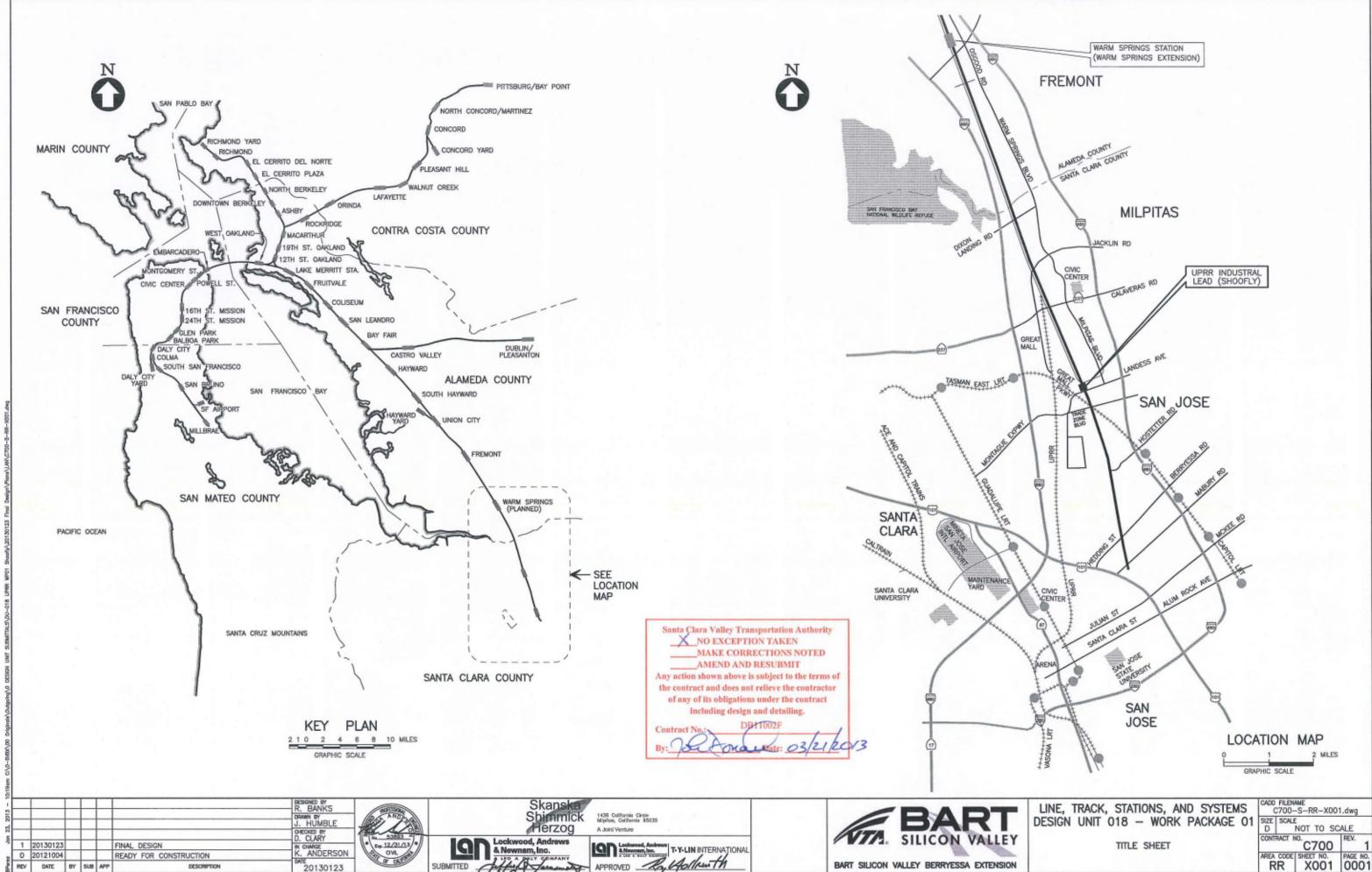
Thursday, February 28, 2013

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B1303-F241



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REFERENCE DRAWINGS

LM-C305

PIPER DRIVE TITLE SHEET

LM-C306

PIPER DRIVE

TRAFFIC CONTROL PLAN BEGINNING OF WORK TO STA 20+50

LM-C307 PIPER DRIVE

TRAFFIC CONTROL PLAN

STA 20+50 TO END OF WORK

P0728-C700-DU-018WP01.FD.AMD.R1

B1303-F456

Received SVBX PDCC March 22, 2013



NOTE:

** FOR REFERENCE ONLY

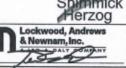
DESIGNED BY R. BANKS J. HUMBLE 3 20130318 ADD SCWWD PROTECTION DETAIL 2 20130228 ALTERNATE SHOOFLY 1 20130123 FINAL DESIGN AND UTILITY PROTECTION DETALS 0 20121001 READY FOR CONSTRUCTION REV DATE BY SUB APP DESCRIPTION

PRECAST VAULT

Do 12/31/13/ CHARGE ANDERSON 20130318

. CLARY

SUBMITTED





1435 California Circle Milpitos, California 95035



LINE, TRACK, STATIONS, AND SYSTEMS DESIGN UNIT 018 - WORK PACKAGE 01

> INDEX OF DRAWINGS SH00FLY

CADD FILENAME C700-S-RR-X002.dwg NOT TO SCALE C700 3 RR X002 0002

C001 0003 RR

1_DU-018WP01.FD.R1_ UPRR Alternate Shoofly Drawings 20130228.pdf AGENCIES, ORGANIZATIONS ETC. - SPECIAL CHARACTERS -ATP AUTOMATIC TRAIN PROTECTION CC CENTRAL CONTROL/CONTROLLER, CSAR CAB STEERING RELAY A ATR DATA TRANSMISSION SYSTEM, DIGITAL COOLING COIL, CENTER OF CIRCULAR CSB AIR TEMPERATURE RISE CUSTOMER SERVICE BUILDING DTS AASHT0 AMERICAN ASSOCIATION OF STATE CSBR CENTER LINE ATS AUTOMATIC TRANSFER SWITCH CAB STEERING RELAY B TRANSMISSION SYSTEM HIGHWAY AND TRANSPORTATION AUXILIARY TRAIN TRACKING SYSTEM CENTER TO CENTER CSD DTSJ DOWNTOWN SAN JOSE C-C CCF OFFICIALS. DIAMETER ALIX ALIYII IARY CENTRAL CONTROL FACILITY CSEX CODE SYSTEM EMULATOR, EXTENDED DOMESTIC WATER TEMPURATURE - FARENHEIT SCALE ACFC & WCD ALAMEDA COUNTY FLOOD CONTROL AND CSP (REMOTELY LOCATED)
COMMUNICATIONS CABLE NETWORK AVE AVENUE CORRUGATED STEEL PIPE DWG(S) DRAWING(S) WATER CONSERVATION DISTRICT AVERAGE CCN CSR CAB STEERING RELAY, CEILING SUPPLY DIRECT EXPANSION AT (ITEM SPACINGS ONLY, IE #8@12") ACI AMERICAN CONCRETE INSTITUTE AUTOMATIC VEHICLE IDENTIFICATION CENTRAL CONTROL PANEL ANGLE (MEMBER SIZE IE L4X4X5/16) ACWD ALAMEDA COUNTY WATER DISTRICT CSU AVV AIR VACUUM VALVE CCS CENTRAL CONTROL SYSTEM CHANNEL SERVICE UNIT 01,02 VITAL RÉPEATER AWG CERAMIC TILE, CURRENT TRANSFORMER, AMERICAN GAS ASSOCIATION AMERICAN WIRE GAUGE CCS83 CALIFORNIA COORDINATE SYSTEM 1983 2/C TWO-CONDUCTOR CABLE AIR PRODUCTS COURTESY TELEPHONE, COURT (RELATES TO NAD83) CORROSION CONTROL TEST LEADS 3/C THREE-CONDUCTOR CABLE AISC AMERICAN INSTITUTE OF STEEL CTC - B -CENTRALIZED TRAIN CONTROL CCTL CONSTRUCTION CCTV CLOSED CIRCUIT TV CAMERA, CLOSED COMMUNICATIONS TERMINAL CABINET ANSI AMERICAN NATIONAL STANDARDS CTCSS CONTINUOUS TONE CODED SQUELCH DC VOLTAGE - POSITIVE CIRCUIT TELEVISION INSTITUTE B, BOT CD BOTTOM CONDENSATE DRAIN, CONCRETE DUCT APCO ASSOCIATED PUBLIC SERVICE CTR CENTER, COMMUNICATIONS TERMINATION - A -CDB BOTTOM OF CENTRAL DISPLAY BOARD COMMUNICATIONS OFFICERS CEC CALIFORNIA ELECTRICAL CODE ROOM POS. 12VDC AMERICAN PETROLEUM INSTITUTE AMPERE, AMBER CTSK COUNTERSUNK POS. 28VDC CEG CEILING EXHAUST GRILLE AREMA AMERICAN RAILWAY ENGINEERING AND ABOVE FINISHED FLOOR CONDENSING UNIT, COPPER AFF CEM BAT BATTERY CEMENT MAINTENCE-OF-WAY ASSOCIATION A/D ANALOG-TO-DIGITAL CONVERTER BACK BONE, BEGINNING OF BRIDGE CER CERAMIC CULV CUI VERT ASTM AMERICAN SOCIETY FOR TESTING AND CHECK VALVE, CURVE CV AATO ADVANCED AUTOMATIC TRAIN CONTROL BILL-TO-BILL CHANGER CUBIC FOOT/FEET, CONTROL RELAY, MATERIALS. CW COLD WATER, CREOSOTED WOOD AAV AUTOMATIC AIR VENT BARE COPPER, BOTTOM OF CURB, FORWARD (SUPPLY) AMERICAN TELEPHONE & TELEGRAPH AT&T AB AGGREGATE BASE, ANCHOR BOLT, CWR CONTINUOUS WELDED RAIL BEGIN CURVE CF/DA CALL FORWARD/DON'T ANSWER AMERICAN WELDING SOCIETY AWS CX BILL CHANGE MACHINE CURRENT SENSOR (TELEPHONE FEATURE) BART SAN FRANCISCO BAY AREA RAPID CXFU CONTROL FUSE - LV SIDE ABM AIR-BLOWN MORTAR BEGIN CURB RETURN CFH CUBIC FEET PER HOUR TRANSIT DISTRICT ABN ARANDON(FD) BCU BARE COPPER CUBIC YARD(S) CUBIC FEET PER MINUTE BNSF BURLINGTON NORTHERN SANTA FE ACRYLONITRILE-BUTADIENE-STYRENE, BALANCING DAMPER, BY-PASS DAMPER, ABS B OF A BANK OF AMERICA CFT CONTACT FIBER TRANSCEIVER - D -AUTOMATIC BLOCK SIGNAL BOARD CENTER OF GRAVITY, CEILING GRILLE, CG CALTRANS CALIFORNIA DEPARTMENT OF ART ANCHOR BOLT **BDA** BI-DIRECTIONAL AMPLIFIER CHASSIS GREASE REEL TRANSPORTATION BACKDRAFT DAMPER DEPTH, DRAIN, DRAINAGE ABUT ARLITMENT BDD CH CGS CALIFORNIA GEOLOGICAL SURVEY CHANNEL BIT ERROR RATE AIR COMPRESSOR, AIR CURTAIN, AIR D/A DIGITAL-TO-ANALOG CONVERTER CH BK CHANNEL BANK CHEV CHEVRON CORPORATION CONDITIONING, ASPHALT CONCRETE, BLACK ROLL FIBER DUCT D/F DISTRICT FURNISHED CONTROL FUSE - HV SIDE CITY OF FREMONT COF ALTERNATING CURRENT BEP BACK FLOW PREVENTER CHWR CHILLED WATER RETURN D/L DA DOWN LINK COM CITY OF MILPITAS ACB AIR CIRCUIT BREAKER BFS BART FACILITY STANDARD DISTRIBUTION AMPLIFIER COMCAST CHWS CHILLED WATER SUPPLY COMCAST CABLE COMMUNICATIONS ACCP BELOW GROUND SURFACE AIR CONDITIONING CONTROL PANEL DACS DIGITAL ACCESS AND CROSS CONNECT CAST IRON CALIFORNIA PUBLIC UTILITY COMMISSION ACD ACCESS DOOR BRAKE HORSE POWER CIC COMMUNICATIONS INTERFACE CABINET DAS DATA ACQUISITION SYSTEM CPUC GO CALIFORNIA PUBLIC UTILITY ACI AUTOMATIC CALLER IDENTIFICATION BINARY DIGIT CIP CAST IRON PIPE, CAST IN PLACE DB dB DRY BULB, DUCTBANK COMMISSION GENERAL ORDER BITUM BITUMINOUS ACK ACKNOWLEDGE CJ CONSTRUCTION JOINT, CONTROL JOINT DECIBEL CITY OF SANTA CLARA ACO ALTERNATING CURRENT OUTPUT CKT DIRECT BURIED CABLE CSJ CITY OF SAN JOSE ACOUS BKF BACKFILL CEMENT LINED, CENTERLINE, CHAIN LINK DBC DOUBLE. CONCRETE REINFORCING STEEL INSTITUTE ACP ASBESTOS CEMENT PIPE, AC PANEL, AUXILIARY CONTROL PANEL, BKR BREAKER DOUBLE BREAK OUTPUT CL&C CEMENT LINED AND COATED FDX FEDERAL EXPRESS BUILDING CLF CHAIN LINK FENCE DIRECT CURRENT, DEGREE OF CURVE FGCS FEDERAL GEODETIC CONTROL AUXILIARY COMM ROOM BLOCKING DCC DATA COMMUNICATIONS CHANNEL SUBCOMMITTEE ACCESS CONTROL SYSTEM BLKS BLOCKS CAULKING DCN DATA COMMUNICATIONS NETWORK ICG CLKG ICG COMMUNICATIONS, INC. BLUE LIGHT STATION, BLUE LIGHT ACTR ACOUSTICAL TREATMENT BLS DCP DAMPER CONTROL PANEL CLO CLOSET **JPB** PENINSULA CORRIDOR JOINT POWERS ACU SWITCH STATION AIR CONDITIONING UNIT CLR CLEAR, CLEARANCE DD ACWP ASBESTOS CEMENT WATER PIPE BLVD BOULEVARD CORRUGATED METAL PIPE DDCVA DOUBLE DETECTOR CHECK VALVE KND. KM KINDER MORGAN, INC. LEVEL 3 COMMUNICATIONS Santa Clara Valley Transportation Authority AD AREA DRAIN, ADDENDUM BEAM, BENCHMARK CMU CONCRETE MASONRY UNIT DDS DYNAMIC (TRAIN) DESTINATION SIGN DUCT EXHAUST GRILLE, DEGREE L3, LVL3 NO EXCEPTION TAKEN ADD'L ADDITIONAL BLOW OFF CND MCI TELECOMMUNICATIONS CONDUIT DEG BOTTOM OF CONCRETE ADJACENT, ADJUSTABLE DELINEATORS, DELETE ADJ CONTROL DEL MCWD MILPITAS CITY WATER DISTRICT MAKE CORRECTIONS NOTED BOD BOTTOM OF DUCT ADM ADD/DROP MULTIPLEXER CNTR COUNTER DEPT DEPARTMENT MEN METROMEDIA FIBER NETWORK, INC. BORI BIDIRECTIONAL OPTICAL RF INTERFACE _AMEND AND RESUBMIT AUTOMATIC ELECTRONIC IDENTIFICATION AEI MFS CLEANOUT, COUNTY, CROSSOVER, DET DETAIL, DETOUR, DETECTOR METROPOLITAN FIBER SYSTEMS BOTTOM OF SLAB (SYSTEM) CONVENIENCE OUTLET. DIRECT FIXATION, DRINKING FOUNTAIN, Any action shown above is subject to the terms of MSD MILPITAS SANITARY DISTRICT DF CARBON MONOXIDE SENSOR, AIR FILTER, AUDIO FREQUENCY, DEGREES FAHENHEIT NEMA NATIONAL ELECTRICAL MANUFACTURERS the contract and does not relieve the contractor BART POLICE ANTI-FREEZE REEL CONDUIT ONLY DISTRICT FURNISHED EQUIPMENT ASSOCIATION BPS BITS PER SECOND of any of its obligations under the contract CO1 SUPERVISORY CENTRAL CONTROL BOARD AUTOMATIC FARE COLLECTION NFPA NATIONAL FIRE PROTECTION AGENCY DFM DISTRICT FURNISHED MATERIAL. BRIDGE ABOVE FINISH FLOOR COAXIAL CABLE COAX DISTRIBUTION FEEDER MAIN including design and detailing. NOAA NATIONAL OCEANIC AND ATMOSPHERIC BRG(S) BEARING(S) AFM ADD FARE MACHINE COL(S) COLUMN(S) DOOR GRILLE **ADMINISTRATION** BREAKER ABOVE GROUND DGAC DENSE GRADED ASPHALT CONCRETE OWT ONE WORLD TELECOMMUNICATIONS COMM COMMUNICATION(S) BRR BROKEN RAIL RELAY AH, AHD DUCTILE IRON, DIGITAL INPUT, AHEAD COMPUTER, COMPOSITE PG&E PACIFIC GAS & ELECTRIC COMPANY BOTTOM OF SLOPE AHU AIR HANDLING UNIT DRAINAGE INLET, DIRECT INPUT QWEST QWEST COMMUNICATIONS, INC. COMPT COMPARTMENT BAYSTATE SUBSURFACE INVESTIGATION ADDITIONAL INFO, ANALOG INPUT DIAMETER SBC SBC COMMUNICATIONS, INC. (NOW AT&T) CONC CONCRETE BSS BUS SIGNAL SYSTEM ALARM. CONDENSATE, CONDENSING, CONDITIONED DIAG DIAGONAL COND SBWR SOUTH BAY WATER RECYCLING (CSJ) BTM BUS TRANSFER MACHINE ALIGN ALIGNMENT DID DIRECT INWARD DIALING CONN CONNECT, CONNECTION SCC SANTA CLARA COUNTY BASE TRANSCEIVER STATION BTS DIM DIMENSION SCCTA CONST CONSTRUCT, CONSTRUCTION SANTA CLARA COUNTY TRANSPORTATION BASE TRANSCEIVER STATION ALCU AUTOMATIC LEVEL CONTROL UNIT DUCTILE IRON PIPE CONTINUOUS. CONTINUATION CONT BTUH BRITISH THERMAL UNIT DOOR INTERLOCK PROTECTION ISOLATION ALT. ALTERNATE. ALTERNATIVE DIPIS CONV CONVENTIONAL SCSD SANTA CLARA SEWER DISTRICT AMMETER, AMPLITUDE MODULATION BRITISH THERMAL UNIT PER HOUR SCHEME SCVWD S.F. COORD COORDINATE SANTA CLARA VALLEY WATER DISTRICT BUTTERFLY VALVE AMB AMBIENT DIRECT, DIRECTION SAN FRANCISCO CORP CORPORATION BVC BEGIN VERTICAL CURVE AMP AMPLIFIER DISPENSER CORR ABBREVIATIONS SHOULD ONLY BE USED WHEN SAN FRANCISCO WATER DEPARTMENT CORRIDOR BW BARBED WIRE, BACK OF WALK, ANCH DISTRIBUTION, DISTRICT, DISTANCE ANCHOR DIST SPACE LIMITATIONS ON THE DRAWING DOES NOT CORS CONTINUOUSLY OPERATING REFERENCE SJSU SAN JOSE STATE UNIVERSITY ANN ANNUNCIATOR BANDWIDTH DEAD LOAD, DOOR LOUVER STATIONS ALLOW FOR THE FULL TEXT. SJWC SAN JOSE WATER COMPANY AC VOLTAGE DRAINAGE MANHOLE ANS AMBIENT NOISE SENSOR CP DMH CONCRETE PIPE, CONTROL POINT SPR SPRINT NEXTEL CORPORATION BX12 POSITIVE 12V AC ANT ANTENNA DMOD DMP DEMODULATE COMPLETE PENETRATION, SOUTHERN PACIFIC TRANSPORTATION 2. SOME ABBREVIATIONS ARE CONSIDERED COMMON DESIGNATED MATCHING PRODUCT ANALOG OUTPUT CROSS PASSAGE, CONTROL PANEL COMPANY OR WIDESPREAD AND CAN BE USED UNIVERSALLY AOV ANGLE OF VIEW - C -DN CORRIDOR PROTECTION BARRIER CPB SVBX BART SILICON VALLEY BERRYESSA I.E., TYP FOR TYPICAL; UNO FOR UNLESS NOTED ACCESS PANEL DO DIGITAL OUTPUT, DOOR OPENING, DITTO CPC CALIFORNIA PLUMBING CODE EXTENSION PROJECT CELSIUS, CONDUIT, COIL, COMBINER, APD AIR PRESSURE DROP CPL CONDUIT, PLASTIC DOD DIRECT OUTWARD DIALING, SVE SILICON VALLEY ELECTRIC DIFFERENTIAL PRESSURE, DISTRIBUTION ASSESSOR PARCEL NUMBER CONDUCTOR, COVER APN CPLG COUPLING SVP SILICON VALLEY POWER ABBREVIATIONS WITH MULTIPLE DEFINITIONS CAG CURB AND GUTTER CPP CORRUGATED PLASTIC PIPE SVRT SILICON VALLEY RAPID TRANSIT PROJECT SHOULD BE READ IN RELATION TO THE ITEM, APPROX **APPROXIMATE** C/B COVER BOARD DR DOOR, DRIVE CPT CARPET TAMPA BAY ENGINEERING AND DISCIPLINE OF THE DRAWING ON WHICH IT APT ACOUSTICAL PANEL CEILING C/R CONTACT RAIL DRWY DRIVEWAY CENTRAL PROCESSING UNIT TCI CABLE VISION OF CALIFORNIA DISCONNECT SWITCH, DOWNSPOUT, ARA AREA OF RESCUE ASSISTANCE DS COMPLETE WITH CPU/PD CENTRAL PROCESSOR UNIT/POLYNOMIAL WIL WILLIAM TEL. COMMUNICATIONS ARCH DESK SET UNIT ARCHITECTURAL COMPRESSED AIR, COMPRESSED AIR UNDERWRITERS LABORATORY DIVIDER ABBREVIATIONS MAY BE COMBINED WHEN NEEDED ARS ACCELERATION RESPONSE SPECTRUM REEL, CABLE DSO DIGITAL SIGNAL (LEVEL 0) UNION PACIFIC RAILROAD COMPANY CARD READER, CROWN, CONTACT RAIL CEILING RETURN DIFFUSER UPRR ARV AIR RELEASE VALVE I.E. DIP-CL (DUCTILE IRON PIPE, CEMENT LINED), CABINET, TRAIN SPEED SIGNAL CRD DS1 DIGITAL SIGNAL (LEVEL 1) USC&GS UNITED STATES COAST AND GEODETIC AGGREGATE SUBBASE, AMMETER SWITCH NS&FS (NEAR SIDE AND FAR SIDE) CALIPER CRG CEILING RETURN GRILLE DSM DEEP SOIL MIX SURVEY **ASPH ASPHALT** CAPACITOR, CAPACITY, CORRUGATED CRK CREEK DSS DESTINATION SIGN SYSTEM USD UNION SANITARY DISTRICT APPROACH LOCKING STICK RELAY, ASR ALUMINUM PIPE DSU DESTINATION SIGN UNIT. CRT CATHODE RAY TUBE USPS UNITED STATES POSTAL SERVICE AUTOMATIC SPRINKLER RISER CS CATEGORY (AS IN CAT 5 CABLE) CONTACT SWITCH, CONTROL SWITCH, DATA SERVICE UNIT VR7 VERIZON COMMUNICATIONS AMMETER TRANSDUCER CATV, CTV CABLE TELEVISION DSX DIGITAL CROSSCONNECT SANTA CLARA VALLEY TRANSPORTATION POINT OF CHANGE FROM CIRCULAR VTA. SCVTA ATC AUTOMATIC TRAIN CONTROL CATCH BASIN, CIRCUIT BREAKER, DUAL TONE MULTIFREQUENCY CURVE TO SPIRAL DTMF AUTHORITY ATO AUTOMATIC TRAIN OPERATION CSA CONSTRUCTION STAGING AREA CONVERTER BLOCK XO XO COMMUNICATIONS R. BANKS Skans LINE, TRACK, STATIONS, AND SYSTEMS C700-S-RR-X200.dwg 1436 Colliornia Circle Milpites, Colliornia 95035 DESIGN UNIT 018 - WORK PACKAGE 01 SIZE SCALE Herzoa NOT TO SCALE D. CLARY GENERAL ABBREVIATIONS SILICON VALLEY Eq. 12/31/13/ & Newnam, Inc. 1 20130123 FINAL DESIGN C700 Animam, Inc.

T-Y-LIN INTERNATIONAL ANDERSON OF CALOR 0 20121001 READY FOR CONSTRUCTION DATE BY SUB APP SUBMITTED BART SILICON VALLEY BERRYESSA EXTENSION RR | X200 |0004 20130123 SHEET 1 OF 4

	- E -	EWT	ENTERING WATER TEMPERATURE	FSD	COMBINATION FIRE SMOKE DETECTOR	T.	11011	JKFLD	1_DU-018WP01.FD.R1_UPRR	Alternate Shoo	my Drawings 20130228,pdf — M —
		EXC	EXCAVATION	FSK	FREQUENCY SHIFT KEYING	HM	HIGH HOLLOW METAL	JMP	JACKFIELD JUMPER		- M -
	EAST, SUPERELEVATION IN INCHES	EXH	EXHAUST	FSV	FIRE SPRINKLER VALVE	HMAC	HOT MIX ASPHALT CONCRETE	JP	JOINT POLE	M	MAIN CONTACTOR, METER, MEDIUN
	EAR AND MOUTH ACTUAL SUPERELEVATION	(E), EX, EXIST	EXISTING	FT	FOOT (FEET), FIRE TELEPHONE COMPUTERFAULT TOLERANT	H-O-A HOR	HAND-OFF-AUTO HORIZONTAL	JPL (F(C) L(T	JOINT POLE LINES	MAE	LOADING, MOTOR MAINTENANCE EASEMENT
	EACH, EXHAUST AIR	EXP	EXPANSION		COMPUTER	HP	HIGH PRESSURE, HIGH POINT,	л(s), J/т	JOINT(S), JOINT TRENCH, LOSS OF POWER TRANSMITTER	MCTB	MOTOR CONTROL TERMINAL BOX
	EXHAUST AIR DAMPER	EXP JT	EXPANSION JOINT	FTG	FOOTING		HORSEPOWER, HEAT PUMP	JUE	JOINT UTILITY EASEMENT	M & E	MAINTENANCE & ENGINEERING
	ENTERING AIR TEMPERATURE	EXPO	EXPOSED	FTLT	FREIGHT LIFT	HPGN	HIGH PRECISION GEODETIC			mA	MILLIAMPERE
	EASTBOUND, END OF BRIDGE, EAST BANK, ELECTRICAL BOX	EXPWY EXT	EXPRESSWAY EXTERIOR, EXTENDED	FTVM FU	FUTURE TICKET VENDING MACHINE FIXTURE UNIT	HR	NETWORK HANDRAIL, HOUR		- K -	MAINT MAP	MAINTENANCE MIMIC ANNUNCIATION PANEL
	ELECTRICAL BASEBOARD HEATER	EXTR	EXTRACTOR	FUELL	FUEL LINE	HS	HIGH STRENGTH, HAND SWITCH	K. k	KILO (ONE THOUSAND), KIP(S)	MAR	MARBLE
	EMERGENCY BARRIER OVERRIDE			FURR	FURRING	HSC	HEAT STORAGE CABINET	kA *	KILOAMPERE	MAT'L	MATERIAL
	EMERGENCY BACKUP PANEL END CURVE		- F -	FUT	FUTURE	HSE	HOUSE	Kbps, Kb/s	KILOBITS PER SECONDS	MAV MAX	MANUAL AIR VENT
	EMERGENCY CALL BOX	F	FARENHEIT, FUSE, FUEL	FV FW	FLOW VENTURI, FACE VELOCITY FACE OF WALL, FIRE WATER	HSG HSS	HOUSING HOLLOW STRUCTURAL SECTION	KC	MANUAL TIMER	MBF	MAXIMUM MEASURED BOARD FEET
	ELECTRIC CABINET CONVECTOR	FA	FIRE ALARM, FREE AREA	FWD	FORWARD	HT	HEIGHT	KCMIL kHz	THOUSAND CIRCULAR MILS KILOHERTZ	MBGR	METAL BEAM GUARD RAIL
	ELECTRIC CABINET HEATER	FACP	FIRE ALARM CONTROL PANEL	FWY	FREEWAY	HTG	HEATING	km	KILOMETER	MBH	THOUSANDS BTU PER HOUR
	END CURB RETURN ENHANCED DIGITAL ACCESS	FAFM FAI	FUTURE ADD FARE MACHINE FRESH AIR INTAKE	FX0 FXS	FOREIGN EXCHANGE, OFFICE END FOREIGN EXCHANGE, STATION END	HTR	HEATER HEATING VENTILATING UNIT, HIGH	KOP	KNOCKOUT PANEL	MBTH	MOTOR BEARING TEMPERATURE H
	COMMUNICATIONS SYSTEM	FAWS	FIRE ALARM WORK STATION	r A S	POREIGN EXCHANGE, STATION END	inv	VOLTAGE, HOSE VALVE	KQI	ELAPSED TIME INDICATOR	Mbps, Mb/s MC	MEGA BIT PER SECOND MEDIA CONVERTER, MULTI-COUPL
	ELECTRIC DRINKING FOUNTAIN	FB	FLAT BAR, FACE OF BUILDING		- G -	HVA	HOSE VALVE, ANGLE GLOBE TYPE	KS KSF	KITCHEN SINK KIPS PER SQUARE FOOT		MEDIA CONVERTER
	EACH END, EMERGENCY EXIT ELEVATOR AND ESCALATOR REMOTE	FC	FAN COIL, FLEXIBLE CONNECTION,		ACCEPTANCE OF COMME	HVAC	HEATING, VENTILATING, AND AIR CONDITIONING	KSI	KIPS PER SQUARE INCH	MCC	MOTOR CONTROL CENTER
	MONITORING SYSTEM	f'c	FORWARD CURVE, FACE OF CURB SPECIFIED COMPRESSIVE STRENGTH	9	ACCELERATION OF GRAVITY GAS LINE, GENERATOR SET, GREEN	HVS	HOSE VALVE, STRAIGHTWAY GATE	kV	KILO VOLT (ONE THOUSAND VOLTS)	MCP MCR	MOTOR CONTROL PANEL MINI CARRIER REMOTE
	EACH FACE, EXHAUST FAN	1.0	OF CONCRETE	,	NATURAL GAS		TYPE	KVA KVAR	KILO VOLT AMPERS KILOVOLT AMPERES REACTIVE	MD	MOTORIZED DAMPER
	EFFICIENCY EVISTING CROUND	f'ci	COMPRESSIVE STRENGTH OF	G/L	GROUND LINE	HVSS	HIGH VOLTAGE SUBSTATION	KVM	KEYBOARD VIDEO MONITOR	MDF	MAIN DISTRIBUTION FRAME
	EXISTING GROUND ELECTRIC HEATING COIL		CONCRETE AT TIME OF INITIAL	GA	GAGE, GAUGE, GATE	HW HWR	HARD WIRED, HEADWALL, HOT WATER HOT WATER RETURN	kW	KILOWATT	MECH MED	MECHANICAL MEDIAN, MEDIUM
	ELECTRICAL HANDHOLE	FCD	PRESTRESS FLOW CONTROL DEVICE	GAL GALV	GALLON(S) GALVANIZED	HWS	HOT WATER SUPPLY	KWD	KILOWATT DEMAND	MEGA	ONE MILLION
	ETHERNET INPUT OUTPUT	FCM	FRACTURE CRITICAL MEMBER	Gb	GIGABIT	HWY	HIGHWAY	kWH	KILOWATT HOUR	MEM	MEMBRANE
	ELEVATOR INTERFACE PANEL EXPANSION JOINT	FC0	FLOOR CLEAN OUT	GB	GROUND BUS, GYPSUM BOARD,	HYD	FIRE HYDRANT		- L -	MF	MAIN CONTACTOR, FORWARD
	EJECTION / EJECTOR	FCP FD	FIRE CONTROL PANEL		GRADE BREAK, GRAB BAR, GAP	Hz, HZ	HERTZ (CYCLES PER SECOND)			MFR	(EXHAUST) MANUFACTURER
	ELEVATION	10	FLOOR DRAIN, FRENCH DRAIN, FAN DAMPER, FIBER DUCT	GBS	BREAKER GAP BREAKER STATION,		-1-	L	LENGTH, LONG, LOUVER, LIQUID	MFU	MANUFACTURER MAIN LINE FUSE
	ELBOW	FDC	FIRE DEPARTMENT CONNECTION	000	GROUND BREAKER STATION	2-2.11		(L)	LINED	MG	MILLION GALLON
	ELECTRIC, ELECTRICAL ELEVATOR	FDCP	FAN DAMPER CONTROL PANEL	Gbs	GIGABITS PER SECOND	I, INTLK	INTERLOCK	L/G L/O	LIP OF GUTTER LAYOUT	MH	MANHOLE
	EASTERLY	FDCR FDDI	FAN DAMPER CLOSE RELAY FIBER DISTRIBUTED DATA INTERFACE	GCL	GRADING CONTROL LINE GROUNDED CURRENT TRANSFORMER	I/F	INTERFACE	L/O	LANDSCAPE ARCHITECT, LIGHTNING	MHz MIN	MEGAHERTZ MINIMUM
ER	EMERGENCY, EMERGENCY MODE,	FDN	FOUNDATION, FIRE LINE GOING DOWN	GDR	GUARD RAILING	I/L I/O	INTERLOCKING INPUT/OUTPUT		ARRESTER	MISC	MISCELLANEOUS
	EMERGENCY COMMAND	FDP	FIBER DISTRIBUTION PANEL,	GE	GREEN ASPECT LAMP, GROOVED END	lic	INTERCOM, INTERFACE CABINET,	LAC	LEFT ACTIVE CHANNEL	ML	MAIN LINE TRACK
P	EMERGENCY TRIP EMBANKMENT		FIRE DAMPER WITH ACCESS	GFCI	GROUND FAULT CURRENT		INTERRUPTING CAPACITY	LAM	LAMINATE LOCAL AREA NETWORK	mm	MILLIMETER
	EMBEDMENT	FDS	PANEL FAN DAMPER SECTION	GFI	INTERRUPTING GROUND FAULT INTERRUPTOR	ICM	INTERFACE CONTROL MANUAL	LAT	LATERAL, LEAVING AIR TEMPERATURE	MM MMR	MULTI-MODE (FIBER CABLE) MOTOR MASTER RELAY
	EMERGENCY MOTOR CONTROL	FDSC	FAN DAMPER SECTION CLOSE	GFRC	GLASS FIBER REINFORCED	ICS	INTEGRATED COMPUTER SYSTEM, INTEGRATED CONTROL SYSTEM	LAV	LAVATORY	MO	MASONRY OPENING, MOTOR
	CENTER		RELAY	1.71	CONCRETE	ICS-V	INTEGRATED COMPUTER SYSTEM -	LB(S)	POUND(S)		OVERLOAD, MOTOR OIL REEL
	ELECTRICAL MANHOLE ELECTROMAGNETIC INTERFERENCE	FDSO	FAN DAMPER SECTION OPEN	GG	GATE VALVE, GROUND GRID		VENTILATION	LC	LANDSCAPE CONTRACTOR, LEFT CABLE, LOCAL CONTROL	MOD	MODIFY, MODIFIED, MODULATE,
	EMERGENCY MANAGEMENT PANEL	FE	RELAY FIELD EQUIPMENT	GHH GHz	GAS HANDHOLE GIGAHERTZ	ICT	PHASE CURRENT TRANSFORMER	LCD	LIQUID CRYSTAL DISPLAY	MODEM	MOTOR OPERATED DAMPER MODULATOR/DEMODULATOR
	ENCASED	FE(C)	FIRE EXTINGUISHER (CABINET)	GIGA	ONE BILLION	IDF	IDENTIFICATION, INSIDE DIAMETER INTERMEDIATE DISTRIBUTION FRAME	LCN	LOCAL COMMUNICATIONS NETWORK	MOM	MOMENTARY
	ENCLOSURE ENGINEER	FECR	FLASHING LAMP CHECK RELAY	GIL	GREEN INDICATION LIGHT	IDS	INTRUSION DETECTION SYSTEM	LCP	LOCAL CONTROL PANEL	MON	MONUMENT
	ENTRANCE	FF (F)	FILTER FABRIC	GIP	GALVANIZED IRON PIPE	IE	INVERT ELEVATION	LCS	LOCAL CONTROL STATION LASER DIODE	MOS	MANUAL OPERATING SWITCH, MOT
	END OF BRIDGE	FF(E)	FINISH FLOOR (ELEVATION) FINISHED GRADE, FARE GATE	GL GLV	GLASS GLOBE VALVE	IEE	INGRESS/EGRESS EASEMENT	Œ	LANDSCAPE EASEMENT, LUNAR	MOW, MW	OPERATED SWITCH MAINTENANCE—OF—WAY
	END OF LINE	FGA	FARE GATE ARRAY	GLZ	GLAZING	IIH	CURRENT INDICATION HIGH CURRENT INDICATION HIGH HIGH		ASPECT LAMP	MP MP	MILE POST
	END OF PLATFORM ELECTRIC OPERATING SWITCH	FGC	FARE GATE CABINET	GM	GAS METER, GUIDE MARKER	HL	CURRENT INDICATION LOW	LED	LIGHT EMITTING DIODE	MPH	MILES PER HOUR
	END OF TRACK	FH	FIRE HYDRANT, FLAT HEAD	GMH	GAS MANHOLE (REGULATOR VAULT)	IJ(P)	INSULATED JOINT (PLUG)	LF LG	LINEAR FOOT (FEET) LONG, LIP OF GUTTER	MPR	MOTOR PROTECTION RELAY,
	EDGE OF PAVEMENT	FHC	FIRE HOSE CABINET FIRE HOSE VALVE	GMU GND	GLASS MASONRY UNIT GROUND	ILD	INJECTION LASER DIODE	LH	LEFT HAND, LAVATORY HANDICAP	метв	MULTIFUNCTION PROTECTION REL MOTOR POWER TERMINAL BOX
	ELECTRICAL PULL BOX,	FIN	FINISHED	GO	GREASE OIL REEL	ILI	FAN LOW CURRENT INTERLOCK OR INTERLOCKING	LIP	LOCAL INSTRUMENT PANEL	MR	MAIN CONTACTOR REVERSE
	EMPTY PULL BOX ETHYLENE PROPYLENE DIENE	FIT	FURNISH INSTALL TERMINATE,	GP	GRADING PLANE	IMC	INTEGRATED MULTISITE CONTROLLER	LKGL	LOCKER GLASS		(SUPPLY), MULTI-RATIO
	MONOMER	FIV	FURNISH INSTALL TEST FIRE ISOLATION VALVE	GPM GPS	GALLONS PER MINUTE GLOBAL POSITIONAL SYSTEM.	IME	INSTALLATION AND MAINTENANCE	LL	LIVE LOAD	MS MSB	MOP SINK, MOTOR STARTER MAIN SWITCH BOARD
	EXTERNAL PRESSURE DROP	FL	FLOW LINE	GFS	GLOBAL POSITIONING SATELLITE	IN	EASEMENT INCH. INCHES	LLDL	LOW LEVEL DATA LINK	MSE	MECHANICALLY STABILIZED EARTH
DATE	A SPECIFIC INSTANT IN TIME	FLA	FULL LOAD AMPERES	GR	GRATE, GUARD RAILING, GROUND	IN. WC	INCHES OF WATER COLUMN	LLH	LONG LEG HORIZONTAL	MSG	MESSAGE
	THE DATE, EXPRESSED IN DECIMAL YEARS	FLC	FULL LOAD CURRENT	000	ROD, GATE RELAY	INCL	INCLUDING	LLV	LONG LEG VERTICAL LAKE MERRITT ADMINISTRATION	MSK	MINIMUM SHIFT KEY
	EXIT PROHIBIT RELAY, ETHYLENE	FLEX	FLEXIBLE FLOOR, FLASHING LAMP RELAY	GRD GRL	GRADE GRILLE	INFO	INFORMATION	LMA	BUILDING	MSL MSM	MEAN SEA LEVEL MULTILOOP SUPERVISORY MODUL
	PROPYLENE RUBBER INSULATED	FM	FACTORY MUTUAL, FORCED MAIN,	GRS	GALVANIZED RIGID STEEL	INS	INSULATED INSTANTANEOUS	LMR	LOAD MEASURING RESISTOR	MT	MAGNETIC TESTING, MAIN TRACK,
	CABLE EQUAL, EQUATION	1	FREQUENCY MODULATION	GRSC	GALVANIZED RIGID STEEL CONDUIT	INSUL	INSULATION, INSULATOR	LOC	LOCATION		MAINTENANCE TELEPHONE
	EQUIPMENT	FMT FND	FAN MOTOR TROUBLE	GSP GTH	GALVANIZED STEEL PIPE	INT	INTERIOR OR INTAKE	LOL	LAYOUT LINE LONGITUDINAL	MTD	MOUNTED
	EXHAUST REGISTER	FO	FOUND FIBER OPTIC CABLE	GTS	GRAND TOTAL HEAT GROUND TEST STATION	INV IP	INVERT	LP	LOW POINT	MTL MTR	MATERIAL, METAL METER, METERING, MOTOR
	EDGE OF SHOULDER, END SYSTEM, EMERGENCY SHOWER	FOC	FACE OF CONCRETE	GUH	GAS UNIT HEATER	IPS	INTERNET PROTOCOL, IRON PIPE IRON PIPE SIZE	LPG	LIQUIFIED PETROLEUM GAS	MTS	MANUAL TRANSFER SWITCH
	EMERGENCY SHOWER EMERGENCY SUPPLY CLOSET,	FOF	FACE OF FINISH	GV	GAS VALVE, GRAVITY VENT, GATE	IP-G	IRON PIPE GAS	LR LRA	LONG RADIUS LOCKED ROTOR AMPS	MTU	MASTER TERMINAL UNIT
	ESCALATOR, ESCAPE	FOM	FACE OF MASONRY, FIBER OPTIC MODEM	GYP	VALVE GYPSUM	IR	INSIDE RADIUS	LRT	LIGHT RAIL TRANSIT	MUL MULT	MULLION MULTIPLE
	EASEMENT STATIO POPERSURE	FOS	FACE OF STUDS		- 11	IRAT IRR	INTEGRATED REMOTE ATO TERMINAL IRRIGATION	LS	LIMIT SWITCH	MUX	MULTIPLEX, MULTIPLEXER
	EXTERNAL STATIC PRESSURE ESSENTIAL	FOT	FIBER OPTIC TERMINAL		- H -	ISDN	INTEGRATED SERVICES DIGITAL	LSR	SWITCH COMPLETION LOCK	mV	MILLIVOLT
	ESTIMATE	FO-TN	FIBER OPTIC TUNNEL INTERFACE		HEREIT HOSTONIA		NETWORK	LSW1A	STORAGE RELAY ACTUATOR NO.1 BLADE LIMIT	MVA	MEGAVOLT AMPERE
	EMERGENCY TELEPHONE,	FP FPM	FIRE PROTECTION FEET PER MINUTE	н	HEIGHT, HORIZONTAL, HOT, HUMIDSTAT	ISU	INTERFACE AND SIGNALING UNIT		SWITCH - A	MVDTR	MAINTENANCE VEHICLE DETECTION RELAY
	EMERGENCY TRIP, EXPANSION TANK	FPRF	FIREPROOF	HB	HOSE BIBCOCK	1"	CURRENT TRANSMITTER, INDUSTRY TRACK	LWS1B	ACTUATOR NO.1 BLADE LIMIT	MW	MEGAWATT
	ETCETERA EMERGENCY TRIP MODULE	FPS	FEET PER SECOND	HC	HEATING COIL	ITL	INDUSTRY LEAD TRACK	LT	SWITCH - B	MWT	MOTOR WINDING TEMPERATURE I
	EMERGENCY TRIP MODULE	FR	FRAME	HCR HD	HUMIDITY CONTROLLER	IVS	INTELLIGENT VIDEO SURVEILLANCE	LTE	LEFT, LIGHT, LIGHT REEL LINE TERMINATING EQUIPMENT	MYL	MILPITAS YARD LEAD
	ELECTROLYSIS TEST STATION,	FRE FRG	FAN RUNNING (EXHAUST) FLOOR RETURN GRILLE	HDD	HEAD HORIZONTAL DIRECTIONAL DRILLING	IW	INDUSTRIAL WASTE	LTG	LIGHTING		Santa Clara Valley Transportation Authority NO EXCEPTION TAKEN
	EMERGENCY TRANSFER TRIP STATION	FR GRD	FRAME GROUND	HDN	HOPPER DRAIN		- J -	LV	LOW VOLTAGE		MAKE CORRECTIONS NOTED
	EMERGENCY TRANSFER TRIP STATION EDGE OF TRAVELED WAY	FRP	FIBER REINFORCED POLYMER	HDPE	HIGH DENSITY POLYETHYLENE			LVL	LEVEL LARGE WOODY DEBRIS		AMEND AND RESUBBIIT Any action shown above in subject to the terms of
	ELECTRIC UNIT HEATER	FRRC	FIRE-RADIO REMOTE CONTROL UNIT	HDR HDW	HEADER HARDWARE	JAN, JC	JANITOR (CLOSET)	LWP	LOW WORKING POINT		the contract and does not relieve the contractor
	ELECTRICAL VAULT	FRS FS	FAN RUNNING (SUPPLY) FAR SIDE, FIRE SERVICE, FULL SIZE,	HEX	HEXAGON, HEXAGONAL	JAL IDOY	LOSS OF POWER ALARM	LWT	LEAVING WATER TEMPERATURE		of any of its obligations under the contract including design and detailing.
	END VERTICAL CURVE EACH WAY, EMERGENCY EYE WASH	1.0	FLOOR SINK, FLOW SWITCH,	HF	HIGH FREQUENCY	JB, JBOX	JUNCTION BOX JOINT COMM. DUCT STRUCTURE	LYL	LOWER YARD LEAD		Contract No.2 DB11002F
	END WALL		FINISHED SURFACE	HH	HANDHOLE	JCT	JUNCTION JUNCTION				100000003/2//
T	TIT		DESIGNED BY		Skanska					TIONIE CLIE	Total Entitude
			R. BANKS DRAWN BY M. HALL					DAF	LINE, TRACK, STAT	TIONS, AND	SYSIEMS C700-S-RR-X20
			M. HALL					3AF	DESIGN UNIT 018	 WORK PA 	CKAGE 01 SIZE SCALE
			CHECKED BY		Herzog A Joint Venture					ABBREVIATIONS	D NOT TO S
30123	FINAL DESIGN		IN CHARGE # Eq. 12/31/13/#/		twood, Andrews	I IM INTERNATION	/ 1/12. S	ILICON V	ALLEY		C700
04004	READY FOR CONSTRUCTION		K. ANDERSON GWL	6, No	WWWINING. A PALV COMPANY APPROVED APPROVED APPROVED APPROVED	LIN INTERNATIONA	-	The same of			AREA CODE SHEET NO.
21001	TIGHT TON CONSTRUCTION		E DATE								RR X201

	- N -	OSP	OUTSIDE PLANT	PR	PAIR(S), PRESSURE	DIDE	DAN DOAD INTRUSION DETECTION SWETCH	SL	STREET LIGHT	1	oofly Drawings 20130228.pdf
		OSYT	NEWHALL YARD CONTROL TOWER	PRC	POINT OF REVERSE CURVATURE	RIDS RIL	RAILROAD INTRUSION DETECTION SYSTEM RED INDICATION LIGHT	SLC	LEFT CIRCUIT (34.5KV TPSS)	SY SYM	SQUARE YARD SYMMETRICAL
	NORTH, NEUTRAL NEW	OTDR OTE	OPTICAL TIME DOMAIN REFLECTOMETER OVER TRACK EXHAUST	PREP PRI	PREPARATION PRIMARY	RIM RIO	TOP OF XMH REMOTE INPUT/OUTPUT	SLPA	SIGNAGE/LIGHTING/PUBLIC ADDRESS SPEAKERS	SYS	SYSTEM(S)
	NOT APPLICABLE	OTM OTN	OTHER TRACK MATERIAL OPTICAL TRANSPORT NETWORK	PRKG	PARKING	RJ	AUDIO FREQ. TRACK INTERMEDIATE	SLR	SEALER		
	NON-RELATED NEGATIVE 12V DC	OV	OUTLET VELOCITY, OUTSIDE VELOCITY	PROP PROT	PROPERTY, PROPOSED PROTECTOR	RL	TRACK RELAY REFRIGERANT LIQUID	SLV S'LY	SHORT LEG VERTICAL SOUTHERLY		
	NEGATIVE 28V DC	OVC	OVERCROSSING	PRS PRV	PAIRS PRESSURE REDUCING VALVE	RLA	RATED LOAD AMPS	SM	SINGLE MODE (FIBER CABLE),		
27	NORTH AMERICAN DATUM OF 1927 (HORIZONTAL)			PRVAL	PRESSURE RELIEF VALVE	RLY RM	RELAY ROOM		SOLID MANGANÈSE FROG, SWITCH MACHINE	1	
33	NORTH AMERICAN DATUM OF 1983		- P -	PRVC	POINT ON REVERSE VERTICAL CURVE PICO SECOND	RN RNS	REFERENCE NORTH RUNNING RAIL NEGATIVE RETURN SWITCH	SMF	SINGLE MODE FIBER	1	
88	(HORIZONTAL) NORTH AMERICAN VERTICAL DATUM	P	POWER LINE, PAINT, NON-VITAL REPEATER	R PS	POINT OF SWITCH, POSITION SWITCH,	RO	ROUGH OPENING	SMH	SANITARY MANHOLE SANITARY NAPKIN DISPENSER		
	OF 1988 NEGATIVE BUS, NORTH BOUND	P LAM P&S	PLASTIC LAMINATE POWER AND SUPPORT		POWER SUPPLY, PUMP STATION, PRE-STRESSED	ROW RP	RIGHT-OF-WAY REFERENCE POINT	SNF	SWING NOSE FROG, MOVABLE POINT FROG	1	
	NOISE CRITERIA, NORMALLY CLOSED	P&W P.B., PB	POWER AND WAY PULLBOX OR PUSH BUTTON	PS/L PSE	PROTECTOR SHELF/L BLOCK PUBLIC SERVICE EASEMENT	RPM RPTR	REVOLUTIONS PER MINUTE REPEATER	SNR	SANITARY NAPKIN RECEPTACLE		
	NORTHEAST NATIONAL ELECTRIC CODE	P/L	PROPERTY LINE	PSI	POUNDS PER SQUARE INCH	RR	RAILROAD	SOE	STATION NETWORK TERMINAL SUPPORT OF EXCAVATION	1	
DET	NEGATIVE	P/O	PART OF PUBLIC ADDRESS, PLANTING AREA	PSIG PSTN	POUNDS PER SQUARE INCH GAUGE PUBLIC SWITCHED TELEPHONE NETWORK	RS	REFRIGERANT SUCTION, RIPARIAN SETBACK	SOL	SOLENOID	1	
RET	NEGATIVE RETURN NORTHEASTERLY	PABX, PBX	PRIVATE AUTOMATIC BRANCH EXCHANGE	PSUE	PUBLIC SERVICE UTILITY EASEMENT	RSC	RIGID STEEL CONDUIT	SOMET	SOMASTIC COATED PIPE SYNCHRONOUS OPTICAL NETWORK	1	
	NATIONAL GEODETIC SURVEY	PAE PART	PEDESTRIAN ACCESS EASEMENT PARTNERS	PT	POINT, POINT OF TANGENT, POINT OF CHANGE FROM CIRCULAR CURVE TO	RSP RSR	ROCK SLOPE PROTECTION RESTRICTED SPEED RELAY	SORS	SEQUENTIAL OCCUPANCY RELEASE SYSTEM	1	
	NOT IN CONTRACT NITROGEN GAS LINE	PATS	PROPERTY ACQUISITION TRACKING		TANGENT, POTENTIAL TRANSFORMER, PORCELAIN TILE, PETROLEUM	RST RT	RESILIENT TILE	SOV	SHUT-OFF VALVE	1	
	NECK NORTHERLY	PB	SYSTEM PULL BOX, PUSH BUTTON	PTD/R	PAPER TOWEL DISPENSER &	RTAC	RIGHT, ROUTE, RANDOM TWIST ROOF TOP AIR CONDITIONING UNIT	SP	STEEL PIPE, SUMP PUMP, STATIC PRESSURE, SPARE, SPLICE		
	NANOMETER	PC	PERSONAL COMPUTER, PRECAST, PRECAST CONCRETE, POINT OF	PTEAC	RECEPTACLE PERMIT TO ENTER AND CONSTRUCT	RTD RTE	RESISTANCE TEMPERATURE DETECTOR ROUTE	SP1, SP2	BART SPUR TRACK		
	NON-METALLIC CONDUIT NETWORK MANAGEMENT SYSTEM		CURVATURE, POINT OF CHANGE FROM	PTM	PLATFORM TRIP MODULE	RTU	REMOTE TERMINAL UNIT	SPA SPD	SPACES, SPACING SANITARY PRESSURE DISCHARGE		
	NORMALLY OPEN, NUMBER	PCC	TANGENT TO CIRCULAR CURVE PORTLAND CEMENT CONCRETE,	PTS PTT	PLATFORM TRIP STATION PUSH TO TALK	RV RW	ROOF VENTILATOR RECYCLED WATER, RETAINING WALL	SPDT	SINGLE POLE DOUBLE THROW	1	
	NUMBERS NOMINAL		POINT OF COMPOUND CURVATURE	PTZ	PAN, TILT AND ZOOM	RWCR	SWITCH REVERSE	SPECS SPECS	SPECIFICATION SPECIFICATIONS		
ESS	NON-ESSENTIAL	PCF	POINT OF CURVATUREM, POUND PER CUBIC FOOT	PUE	POWER UNIT PUBLIC UTILITY EASEMENT	RWE	CORRESPONDENCE RELAY ROADWAY EASEMENT	SPK SPO	SPEAKER POINT OF ORIGIN OF COMPOUND SPIRAL		
	NORMAL NORMALLY OPEN TIME CLOSED	PCM	PARKING CONTROL MACHINE, PULSE	PVC	POLYVINYL CHLORIDE (CONDUIT) OR	RWL RWLOL	RAIN WATER LEADER RETAINING WALL LAYOUT LINE	SPRK	SPRINKLER		
	NEAR SIDE NOT TO SCALE	PCR	CODE MODULATION PORTAL COMMUNICATIONS ROOM	PVI	(PIPE), POINT OF VERTICAL CURVE POST VALVE INDICATOR	RWPR	REVERSE SWITCH REPEATER RELAY	SPRR COMM	SOUTHERN PACIFIC RAILROAD COMMUNICATION		
	NON-VITAL	PCTL PCV	PRECAST TUNNEL LINING PRESSURE CONTROL VALVE	PVMT PWR	PAVEMENT	RX, RCV (R)	RECEIVE (R)	SPSC	SWITCH POWER SUPPLY CABINET,		
	NON-VITAL INPUT NON-VITAL OUTPUT	PCVC	POINT OF COMPOUND VERTICAL	PWR	POWER		- S -		SWITCH MACHINE POWER SUPPLY CABINET		
	NETWORK VIDEO RECORDER	PD	PRESSURE DROP, PUMP DISCHARAGE		- Q -	e e	SOUTH, SLOPE	SPST SPT	SINGLE POLE SINGLE THROW SPRINT COMMUNICATIONS		
	NORTHWEST SWITCH NORMAL CORRESPONDENCE	PDN	PLANTER DRAIN	QR	SEQUENTIAL DETECTION RELAY	SO.	SOUTH	SPTC	SOLDIER PILE TREMIE CONCRETE	1	
	RELAY	PDU PE	PROTOCOL DATA UNIT POLYETHYLENE PIPE, PNEUMATIC—	QS QT	QUEUING SPACE QUARRY TILE	S.I.C. S1	SUPPORT IN PLACE SVRT MAIN LINE TRACK (SB)	SPWG SQ	STATIC PRESSURE WATER GAUGE SQUARE	1	
	NORTHWESTERLY NORMAL SWITCH REPEATER RELAY	PED	ELECTRIC PEDESTRIAN	QTY	QUANTITY	S2	SVRT MAIN LINE TRACK (NB)	SQ.FT.	SQUARE FOOT (FEET)		
	AC VOLTAGE	PERF	PERFORATED			S3 Sa	SVRT POCKET OR STORAGE TRACK SPECTRAL ACCELERATION	SQYD,SY SR	SQUARE YARD SUPPLY REGISTER	1	
EN	12VAC ARCHITECTURE OF BART'S NEXT	PERM PERM MTL	PERMEABLE MATERIAL		- R -	SA	SUPPLY AIR, SURGE ARRESTER	SRC	RIGHT CIRCUIT (34.5KV TPSS)		
	GENERATION EQUIPMENT	PET, PETRO,	PETROLEUM LINE	R	RADIUS, RESISTOR, RISER, RING, ROUTER	SAB	STATION AGENTS BOOTH SANITARY	SS	SELECTOR SWITCH, STAINLESS STEEL, SANITARY SEWER, SUBSTATION,		
	- 0 -	PF	POINT OF FROG	(R) R NO.	RELOCATE OR REMOVE AND SALVAGE	SAR SAT	SOUND ATTENUATOR SATURATION		POINT OF CHANGE FROM ONE SPIRAL TO ANOTHER		
	OPTICAL	PG PGA	PROFILE GRADE PEAK GROUND ACCELERATION	R/C	RACK NUMBER RATE OF CHANGE	SB	SOUTH BOUND	SSCO	SANITARY SEWER CLEANOUT		
	OVER	PGL	PROFILE GRADE LINE	R/R	RUNNING RAIL	SBGR SBO	STEEL BEAM GUARDRAIL SINGLE BREAK OUTPUT	SSE	SUBSURFACE EASEMENT, SANITARY SEWER EASEMENT		
	OVERLOAD OVERCURRENT	PGT PH	PRIME GROUND TERMINAL PHASE, POTHOLE	R/W R1	RIGHT-OF-WAY RING 1	SC	SOLID CORE, POINT OF CHANGE	SSK	SERVICE SINK		
	OVERALL, OUTSIDE AIR	PH, ø	PHASE	RA	RETURN AIR	SCAC	FROM SPIRAL TO CIRCULAR CURVE SELF CONTAINED AIR CONDITIONER	SSMH, SMH SSR	SANITARY SEWER MANHOLE SOUTH STICK RELAY		
	OUTSIDE AIR DAMPER OPTICAL ADD/DROP MULTIPLEXER	PI	POINT OF INFLECTION, POINT OF INTERSECTION	RAA RAC	RESCUE ASSISTANCE AREA RIGHT ACTIVE CHANNEL	SCADA	SUPERVISORY CONTROL AND DATA	SSS	SYSTEM SELECTOR SWITCH		
	OPERATIONS ALARMS MAINTENANCE	PIDS	PORTAL INTRUSION DETECTION SYSTEM	RAD RAT	RETURN AIR DAMPER, RADIUS REMOTE ATO TERMINAL	SCD	ACQUISITION SEAT COVER DISPENSER, SMOKE	SST	SOAP STONE STREET, SAINT, POINT OF CHANGE		
	PROVISIONING ON CENTER, OVERCROSSING,	PIN PIP	PROPERTY IDENTIFICATION NUMBER POURED—IN—PLACE	RB	RESILIENT RUBBER BASE	scs	CONTROL DAMPER SMOKE CONTROL SENSOR	STA	FROM SPIRAL TO TANGENT, STONE TILE ALIGNMENT STATION, STATION, STATIONIN		
	OPTICAL CARRIER	PITO PIV	POINT OF INTERSECTION OF TURNOUT POST INDICATOR VALVE	RBC RBM	REINFORCED BOX CULVERT RAILBOUND MANGANESE FROG	SCH	SCHEDULE	STBY	STANDBY	9	
	51.84 Mb/s OPTICAL CARRIER LEVEL 1 9.92 Gb/s OPTICAL CARRIER LEVEL 192	PIVC	POINT OF INTERSECTION OF TWO	RC	REINFORCED CONCRETE, REMOTE	SCHP	SELF CONTAINED HEAT PUMP SYSTEMWIDE CABLE NETWORK	STC	SOUND TRANSMISSION CLASS STANDARD		
C192	OPTICAL CARRIER LEVEL 1 THRU	PL	PROFILE TANGENTS PIPE LINE, PLATE, PROPERTY LINE,	RCB	CONTROL, RIGHT CABLE REINFORCED CONCRETE BOX	SCTB	SHORT CIRCUITING TERMINATION BLOCK	STE	SPECIAL TEST EQUIPMENT	1	
	OPTICAL CARRIER LEVEL 192 Mb/s OPTICAL CARRIER LEVEL 3		PLATFORM, PLASTIC	RCP RCR	REINFORCED CONCRETE PIPE	SD	SOAP DISPENSER, STORM DRAIN, TUNNEL ISOLATION DAMPER, SUBWAY DAMPER	STIFF	STIFFENER STEEL		
	Gb/s OPTICAL CARRIER LEVEL 48	PLAS PLC	PLASTER PROGRAMMABLE LOGIC CONTROLLER,	RCV	ROUTE CHECK RELAY RECEIVE, REMOTE CONTROL VALVE	SDCB	STORM DRAIN CATCH BASIN OR DRAINAGE INLET	STOPR STOR	STOP SPEED COMMAND RELAY STORAGE		
	OPERATIONAL CONTROL CENTER OUTSIDE DIAMETER	PLP	PLASTIC COATED PLASTIC PIPE	RCVR, REC RD	RECEIVER ROAD, ROOF DRAIN, ROUND	SDE	STORM DRAIN EASEMENT	STR	STAIR, STRANDED	1	
	OWNER FURNISHED CONTRACTOR	PLUM	PLUMBING	RDC	RADIO DISTRIBUTION CABINET	SDMH	STORM DRAIN MANHOLE SPLITTER DAMPER, SMOKE/FIRE DAMPER	STRUC	STRUCTURAL, STRUCTURE SYNCHRONOUS TRANSPORT SIGNAL		
	INSTALLED OVERFLOW DRAIN	PLY PM	PLYWOOD POST MILE	RDWY RE	ROADWAY RED ASPECT LAMP		WITH ACCESS PANEL	SUB	SUBSTATION		
	ON-FREQUENCY REPEATER ORIGINAL GROUND	PNL	PANEL	REBAR RECT	REINFORCEMENT BAR	SE SEC	SOUTHEAST SECOND, SECONDARY	SUPP	SUPPLY SUSPENDED	San	ta Clara Valley Transportation Author
	OVERHEAD, OVERHEAD LINE	PNEU	PNEUMATIC PEDESTRIAN OVERCROSSING,	REF	RECTIFIER, RECTANGULAR REFERENCE	SECT	SECTION, SECTIONALIZING	SV	TUNNEL VENTILATION FAN, SOLID VEE FROG, SHEET VINYL	_	NO EXCEPTION TAKEN
	OVERHEAD ELECTRICAL LINE OVERHEAD ELECTRICAL AND		POINT ON CIRCULAR CURVE, POINT OF CONNECTION	REINF	REINFORCED, REINFORCING, REINFORCEMENT	SE'LY SES	SOUTHEASTERLY SECTIONALIZING STATION	SVC	SERVICE	_	MAKE CORRECTIONS NOTE
	TELEPHONE	POE	POINT OF EQUATION,	REL	RELOCATE	SF SG	SQUARE FEET, SUPPLY FAN SUBGRADE, SUPPLY GRILLE	SVR SW	SERVER SIDEWALK, SOUNDWALL, SOUTHWEST,	_	AMEND AND RESUBMIT
	OVERHEAD TELEPHONE LINE OVERHEAD TV LINE	POS	POWER OVER ETHERNET POSITIVE OR POSITION,	REM REQ, REQD	REMOTE REQUIRED	SH	SHIELD, SHUNT		SWITCH		action shown above is subject to the ter contract and does not relieve the contra
	OVERLOAD CONTACT OPENING		POINT ON SPIRAL	RES RESIL	RESISTOR RESILIENT	SHG	SHOWER GANG SHOWER HANDICAP	SWAC POR SWBD	SWITCH MACHINE POWER OFF SWITCH BOARD		any of its obligations under the contra
	OPPOSITE	POT POVC	POINT ON TANGENT POINT ON VERTICAL CURVE	RET	RETURN	SHC	SENSIBLE HEATING CAPACITY	SWGR SWL	SWITCH GEAR SOUNDWALL		including design and detailing.
IND	OPPOSITE HAND OPTION, OPTIMAL	POVT	POINT ON VERTICAL TANGENT POWER POLE, NON-VITAL REPEATER	REV RF	REVISION, REVERSE RADIO FREQUENCY, RETURN FAN	SHR	SHOULDER SHOWER	SW'LY	SOUTHWESTERLY	Cont	DB11002F
	OFF-PREMISE EXTENSION	PPL	PREFORMED PERMEABLE LINER	RGB	RED, GREEN. BLUE VIDEO COLORS	SHT	SHEET SIGNAL	SWR SWS	SYSTEMWIDE RACEWAY SWITCHING STATION		ract No.:
	OPERATING SYSTEM OUTSIDE AIR	PPP PPTIM	PERFORATED PLASTIC PIPE PLC PANEL TERMINAL INTERFACE	RGS RH	RIGID GALVANIZED STEEL RADIANT HEATER, RIGHT HAND, RELATIVE	SIM	SIMILAR	SWT PT	SWITCHING STATION SWITCH POINT	Ву: 2	La dorace Date: 03/2/
	OPEN SYSTEMS INTERCONNECTION		MODULE		HUMIDITY	SJW TEST	SAN JOSE WATER CO TEST STATION				
		C F	ESCHED BY R. BANKS		Skanska				LINE, TRACK, STAT	IONS. AND	SYSTEMS CADD FILENAME C700-S-RR-X20
		0	RAWN BY		Shimmick 1435 Celfornie Greis Milpites, Celfornie 95035			3AF	DESIGN UNIT 018 -	- WORK F	PACKAGE O1 SIZE SCALE
			HECKED BY		Herzog A Joint Venture				CENEDAL A	BBREVIATION	
1100107	FINAL DESIGN		CHARGE (* Eq. 12/31/13/*)		ood, Andrews sam, Inc. Loolovood, Andrews T-Y-L	IM INTERNATIONAL	/ W//2, SII	ICON V	ALLET		C700
120123	READY FOR CONSTRUCTION	1	C. ANDERSON CIVIL AND CIVIL	C LAGANI	APPROVED APPROVED TY-Y-L	IN INTERNATIONAL		The state of the s			AREA CODE SHEET NO.

1_DU-018WP01.FD.R1 UPRR Alternate Shoofly Drawings 20130228.pdf - T -TIM TENANT IMPROVEMENT, TRAIN VAR VOLT-AMPERE REACTIVE, VARIES - X -ADDITIONAL HORIZONTAL AND VERTICAL ALIGNMENT NOMENCLATURE VAV INFORMATION MONITOR VARIABLE AIR VOLUME, VARIABLE AIR THICKNESS TREE LIGHTING TANGENT DISTANCE OF SHIFTED PC TRIP LOGIC CIRCUIT TELEPHONE, COMMUNICATION LINE, TLC VB REFERRED TO THE TS X-OVER CROSSOVER (TRACK) TOP, TRANSFORMER, TREAD, TIP, VERTICAL CURVE, VITRIFIED CLAY, TM TERMINAL ZONE VC X/O XCVR CROSSOVER TANGENT DISTANCE OF SHIFTED PT TRANSDUCER, THERMOSTAT k_2 TMH TELEPHONE MANHOLE VIDEO CARD TRANSCEIVER REFERRED TO THE ST T&B TOP & BOTTON TRUE NORTH VCD VITRIFIED CLAY DUCT XFMR TRANSFORMER TEMPERATURE AND PRESSURE RELIEF T&P T.O. TORQUE OIL REEL VCN VERTICAL CIRCULATION NODE Lc TOTAL LENGTH OF CIRCULAR CURVE FROM XING CROSSING VALVE TOC TOP OF CONCRETE VCP VENTILATION CONTROL PANEL, PC TO PT OR SC TO CS XL XMT, XMIT INTERLOCKING ZONE T.O., T/O TOD TRANSIT ORIENTED DEVELOPMENT LENGTH OF COMPOUND SPIRAL FROM CS TO SC TURNOUT VITRIFIED CLAY PIPE Lsc TRANSMIT TOP OF FOOTING TOF VCT VINYL COMPOSITION TILE T/c, T.C. TOP OF XMTR LENGTH OF SPIRAL FROM TS TO SC TRANSMITTER Ls₁ TOL TOLERANCE VCTB VINYL COVERED TACK BOARD TRAIN CONTROL XSR DIRECTIONAL ROUTE LOCKING RELAY LENGTH OF SPIRAL FROM CS TO ST Ls₂ TOS TOP OF STRUCTURE (STEEL, SLAB) VD VOLUME DAMPER, VIBRATION T/P T/R TOP OF PAVEMENT, TOP OF PIPE XT X-TERMINAL COMPUTER DETECTOR OFFSET BETWEEN CIRCLES AT POINT OF COMPOUND TOTAL pc TOP OF RAIL TOW TOP OF WALL VDA VIDEO DISTRIBUTION AMPLIFIER CURVATURE - Y -T/W T1 TOP OF WALL TRACTION POWER, TWISTED PAIR, VDC VOLTS DIRECT CURRENT T1 TELEPHONE CARRIER OFFSET FROM INITIAL TANGENT TO PC OF THE P₁ VE MOTOR VIBRATION DETECTOR. TRAP PRIMER, TEST PIT. OVERLAP, YARD TRANSMISSION FORMAT AND VIBRATION ELEMENT SHIFTED CIRCLE OF SPIRALIZED CURVE TRANSMISSION PRESSURE EQUIPMENT Y&S YARDS AND SHOPS VEL TPD TOILET PAPER DISPENSER VELOCITY OFFSET FROM INITIAL TANGENT TO PT OF THE P_2 TA TRUNK AMPLIFIER YAH TORQUE ALARM (HIGH VENT TPSS TRACTION POWER SUB STATION VENTIL ATION SHIFTED CIRCLE OF SPIRALIZED CURVE TAH YCT TEMPERATURE ALARM HIGH YARD CONTROL TOWER VERTICAL TRACK RELAY, TREAD TAN YE YELLOW ASPECT LAMP VEST VF VFD Rc RADIUS OF CIRCULAR CURVE TRACS TRUNKED RADIO AND VESTIBULE TB TERMINAL BOX, TERMINAL BLOCKS, INDICATOR LIGHT COMMUNICATIONS SYSTEMS VOICE FREQUENCY TANGENT DISTANCE FROM TS TO PI TEST BORING YSH TORQUE SWITCH (HIGH) VARIABLE FREQUENCY DRIVE TRANS TRANSFORMER, TRANSITION, TBD Ts₂ TANGENT DISTANCE FROM ST TO PI TO BE DETERMINED VHF YARD TRACK VERY HIGH FREQUENCY TRANSVERSE TBDC TO BE DETERMINED BY THE TS POINT OF CHANGE FROM TANGENT TO SPIRAL TR-FO TRUNKED RADIO FIBER OPTIC CONTRACTOR - Z -VIB MOTOR VIBRATION INTERFACE Xs₁ TANGENT DISTANCE AT THE SC TBL TROUBLE TRK TRACK VIBRATION INDICATION HIGH TBM TUNNEL BORING MACHINE TANGENT DISTANCE AT THE CS Xs₂ POINT OF CHANGE FROM TANGENT TO VOLTMETER VM TS TBP TERMINATION BLOCK POST VARIABLE MESSAGE SIGN, VISUAL POSITION INDICATOR CLOSED SPIRAL, TRAFFIC SIGNAL, TUBE VMS ZIC Ys1 TANGENT OFFSET AT THE SC TIME CLOCK, TOP OF CURB, TRAIN TC POSITION INDICATOR OPEN SECTION, TUBE STEEL, TEST SWITCH MESSAGING SYSTEM TANGENT OFFSET AT THE CS Ys2 ZSC ZSCA CONTROL. TERMINAL CABINET VMTF VIBRATION MITIGATION TRACK FORM POSITION SWITCH CLOSED TSL TSP TRAFFIC SIGNAL TEMPERATURE CONTROLLER Δ TOTAL CENTRAL ANGLE OF THE SPIRALIZED CURVE TOTAL STATIC PRESSURE VOL POSITION SWITCH CLOSED ALARM TC/C TRAIN CONTROL & TRANSFER TRIP VOX VOICE OPERATED TRANSMITTER ZSO POSITION SWITCH OPEN Δc CENTRAL ANGLE OF CIRCULAR CURVE (Lc) FROM COMMUNICATIONS TRANSFER TRIP CABINET TTC VPI GENERAL RAILWAY SIGNAL'S VITAL SC TO CS TCR TRAIN CONTROL BUILDING TV TELEVISION, TURNING VANE PROCESSOR INTERLOCKING SYSTEM Δc_1 CENTRAL ANGLE OF FIRST CIRCULAR CURVE OF TCC TOTAL COOLING CAPACITY TUNNEL VENTILATION EQUIPMENT VR TVE TVF SPEED CODE APPLICATION RELAY. COMPOUND CURVATURE TCE TEMPORARY CONSTRUCTION EASEMENT TUNNEL VENTILATION FAN VIDEO REPEATER Δc_2 CENTRAL ANGLE OF SECOND CIRCULAR CURVE OF TCH TRAIN CONTROL HOUSE VRD TVM(S) TICKET VENDING MACHINE(S) VITAL RELAY DRIVER, VPI VITAL RELAY COMPOUND CURVATURE TEMPERATURE CONTROL PANEL TCP TVS TUNNEL VENTILATION SHAFT DRIVER RELAY TRANSPORT CONTROL PROTOCOL VRD01R FIRST REPEATER OF VRD TRAVELED WAY CENTRAL ANGLE OF SPIRAL LENGTH L81 OR SPIRAL O 51 TCR TRAIN CONTROL ROOM TWA TRANSPARENT WALL ASSEMBLY VOLTMETER SWITCH ANGLE OF FIRST SPIRAL IN SPIRALIZED CURVE TCSA TELEMETRY CABLE SPLICE TWC TRAIN-TO-WAYSIDE COMMUNICATIONS VSC VT VITAL SERIAL CONTROLLER TEMPORARY CONSTRUCTION STAGING VOLTMETER TRANSDUCER, VOLTAGE CENTRAL ANGLE OF SPIRAL LENGTH Ls2 OR SPIRAL TWPR TWISTED PAIR 0 s2 TWR TRANSFORMER TOWER ANGLE OF SECOND SPIRAL IN SPIRALIZED CURVE TCT TRACK CIRCUIT TUNING VTR VENT THRU ROOF TX, XMT TRANSMIT TRENCH DRAIN, TUNNEL DAMPER, TIRE DERIVED AGGREGATE TD TDA CENTRAL ANGLE OF COMPOUND SPIRAL OR VZ Os3 TYPICAL VENT ZONE COMPOUND SPIRAL ANGLE FROM CS TO SC TDC TIME DELAY CLOSE - W -- U -TDCR TUNNEL DAMPER CLOSE RELAY TRACK TURNOUT DESIGNATION TDD TELECOMMUNICATIONS DEVICE FOR #15 EQ EQUALATERAL TURNOUT WIDTH, WATER, WEST, WATT <U>> THE DEAF UNBALANCED SUPERELEVATION TDDO TIME DELAY DROPOUT (IN INCHES), TURN-BACK TDF TIME DELAY DE-ENERGIZING RELAY U/L WAC WALL MOUNTED AIR CONDITIONING UP LINK TDO TIME DELAY OPEN COMMON ALARM TDOR TUNNEL DAMPER OPEN RELAY UTILITY BOX WAO WORK AREA OUTLET UB TDPU TIME DELAY PICK UP UBC UNIFORM BUILDING CODE WESTBOUND, WEST BANK, WET BULB TIME DELAY DE-ENERGIZING RELAY TDR TE UNDERCUT, UNDERCROSSING WC: WATER CLOSET TEMPERATURE ELEMENT, THREADED WCO WALL CLEAN OUT UCD UNDER CAR DELUGE W.PR TEB UD UNDERDRAIN WATER COLUMN MOTOR BEARING TEMPERATURE WDG" UNITED DEFENSE WINDING UE UTILITY EASEMENT WDM WAVE DIVISION MULTIPLEXER TEH TEMPERATURE ELEMENT MOTOR ENCLOSURE SPACE HEATER UNDERGROUND WEG WALL EXHAUST GRILLE WG UNIT HEATER WATER GAUGE, WAVEGUIDE BURIED TEL, TELEPHONE UHF ULTRA HIGH FREQUENCY WGT TELEPHONE COMPANY TELCO WATER GATE VALVE UHH UNIT HEATER HYDRONIC WGV TELECOM TELECOMMUNICATIONS UNIFORM MECHANICAL CODE WEEP HOLE, WATER HEATER WH TELVLT TELEPHONE VAULT UNF WHA UNFINISHED WATER HAMMER ARRESTOR TEMP TEMPERATURE, TEMPORARY UNK UNKNOWN WIDS WAYSIDE INTRUSION DETECTION TIMER RELAY, TERRATZO MOTOR WINDING TEMPERATURE TER UNO UNLESS NOTED OTHERWISE SYSTEM TEW UP UPWARD, UTILITY POLE WL WALL LOUVER, WATER LINE (RTD'S) UNIFORM PLUMBING CODE UPC W'LY WESTERLY TF TRACK FEET, TRANSFER (ATO TO UPRR-OHE OVERHEAD SIGNAL/COMM LINE WATER MAIN, WATER METER MANUAL OR MANUAL TO ATO). **UPS** UNINTERRUPTIBLE POWER SUPPLY WMH WATER MANHOLE FORWARD CURRENT CONDUCTION WIRE MESH SCREEN WHERE OCCURS, WASTE OIL REEL UR URINAL WMS TFD TUNNEL VENTILATION FAN DAMPER URH URINAL HANDICAP WO TFE TETRAFLUOROETHYLENE US TURN-BACK. THE ROUTE INTO THE WORK POINT, WEATHER PROOF Santa Clara Valley Transportation Authority TG TOP OF GRATE (ELEVATION), TM ZONE, WHEN TURN-BACK, IS WPF WATERPROOF, WATERPROOFING X NO EXCEPTION TAKEN TRANSFER GRILLE ALIGNED, UNITED STATES, COMMON WR SWITCH CONTROL RELAY TH TEST HOLE (SUBSURFACE TROUBLE WRG MAKE CORRECTIONS NOTED WALL RETURN GRILLE INVESTIGATION) UT ULTRASONIC TESTING WALL RETURN REGISTER AMEND AND RESUBMIT THH TELEPHONE HAND HOLE UTC UNSHIELDED TWISTED PAIR WSP WELDED STEEL PIPE, WET STANDPIPE THK THICK, THICKNESS Any action shown above is subject to the terms of UTILITY WSR WALL SUPPLY REGISTER THR TOTAL HEAT REJECTION UNSHIELDED TWISTED PAIR CABLE WSX WARM SPRINGS EXTENSION the contract and does not relieve the contractor THRU THROUGH ULTRA VIOLET, UNDERVOLTAGE of any of its obligations under the contract TEMPERATURE INDICATION WALL TRANSFER GRILLE UWP UPPER WORKING POINT WTG TICHL TEMPERATURE INDICATION CONTROL including design and detailing. WAYSIDE TRIP MODULE (HIGH/LOW) - V -WV WATER VALVE TIEE TEMPORARY INGRESS/EGRESS WIREWAY, WING WALL Contract No. EASEMENT WWF WELDED WIRE FABRIC VENT, VOLTS, DESIGN VELOCITY (MPH) TEMPERATURE INDICATION HIGH FOR TIH VA VAC Date: 03/21/2013 MOTOR ENCLOSURE OR BEARINGS VOLTS ALTERNATING CURRENT, VACUUM DESIGNED BY R. BANKS Skanska LINE, TRACK, STATIONS, AND SYSTEMS C700-S-RR-X203.dwg DRAWN BY M. HALL DESIGN UNIT 018 - WORK PACKAGE 01 SIZE | SCALE Herzog NOT TO SCALE A Joint Venture D. CLARY GENERAL ABBREVIATIONS 1 20130123 FINAL DESIGN Em. 12/31/13/

Lockwood, Andrews
6.Newman, Inc.
T- Y-LIN INTERNATIONAL

APPROVED Ray Address th

IN CHARGE K. ANDERSON

20130123

0 20121001

DATE

BY SUB APP

READY FOR CONSTRUCTION

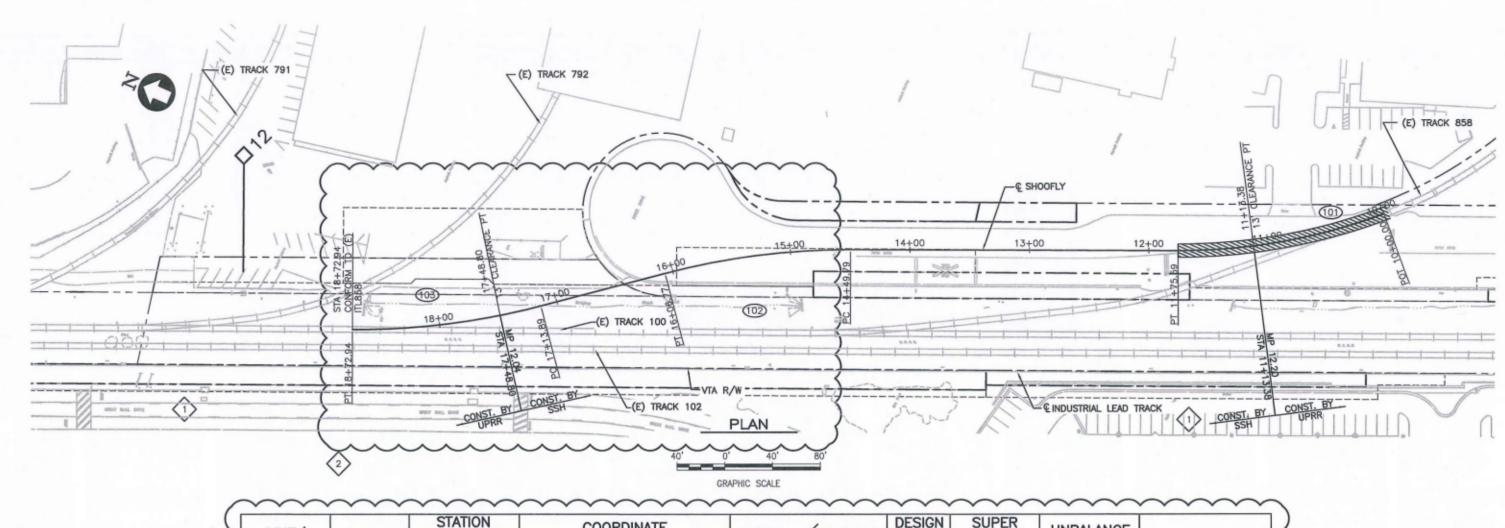
& Newnam, Inc.

BART SILICON VALLEY BERRYESSA EXTENSION

C700

SHEET 4 OF 4

RR | X203 | 0007



	LINE/	POINTS	STATION (CHORD	COORE	DINATE	CURVE / TURNOUT	DESIGN SPEED	SUPER ELEVATION	UNBALANCE	REMARKS
-	CURVE NO	POINTS	DEFINITION)	NORTHING	EASTING	DATA DATA	(MPH)	(IN)	(IN)	KLWAKKS
>	SHOOFLY	PCC PI PT	10+00.00 10+88.89 11+75.59	1975707.374 1975771.712 1975853.390	6157405.273 6157343.943 6157308.881	Dc = 11' 36' 57.4" R = 494.10' Lc = 175.59' △c = 20' 23' 46.9"	10	0.00	0.81	
^	SHOOFLY	PC PI PT	14+49.79 15+28.72 16+06.59	1976105.357 1976177.890 1976239.982	6157200.719 6157169.582 6157120.847	Dc = 9' 30' 00" R = 603.81' Lc = 156.80' △c = 14' 53' 44.4"	10	0.00	0.67	
,	SHOOFLY	PC PI PT	17+13.89 17+93.97 18+72.94	1976324.392 1976387.383 1976461.083	6157054.594 6157005.153 6156973.839	Dc = 9' 30' 00" R = 603.81' Lc = 159.04' \(\triangle c = 15' 06' 31.7'' \)	10	0.00	0.67	

Santa Clara Valley Transportation Authority X NO EXCEPTION TAKEN MAKE CORRECTIONS NOTED AMEND AND RESUBMIT

Any action shown above is subject to the terms of the contract and does not relieve the contractor of any of its obligations under the contract including design and detailing.

						DESIGNED BY M. SANDVIK
		_	_			S. FAULKNER
2	20130228				ALTERNATE SHOOFLY	D. CLARY
1	20130123				FINAL DESIGN AND UP COMMENTS	IN CHARGE
0	20121001				READY FOR CONSTRUCTION	K. ANDERSON
REV	DATE	BY	SUB	APP	DESCRIPTION	20130123





1436 Colifornio Circle Milpitos, Colifornio 95035 A Joint Venture

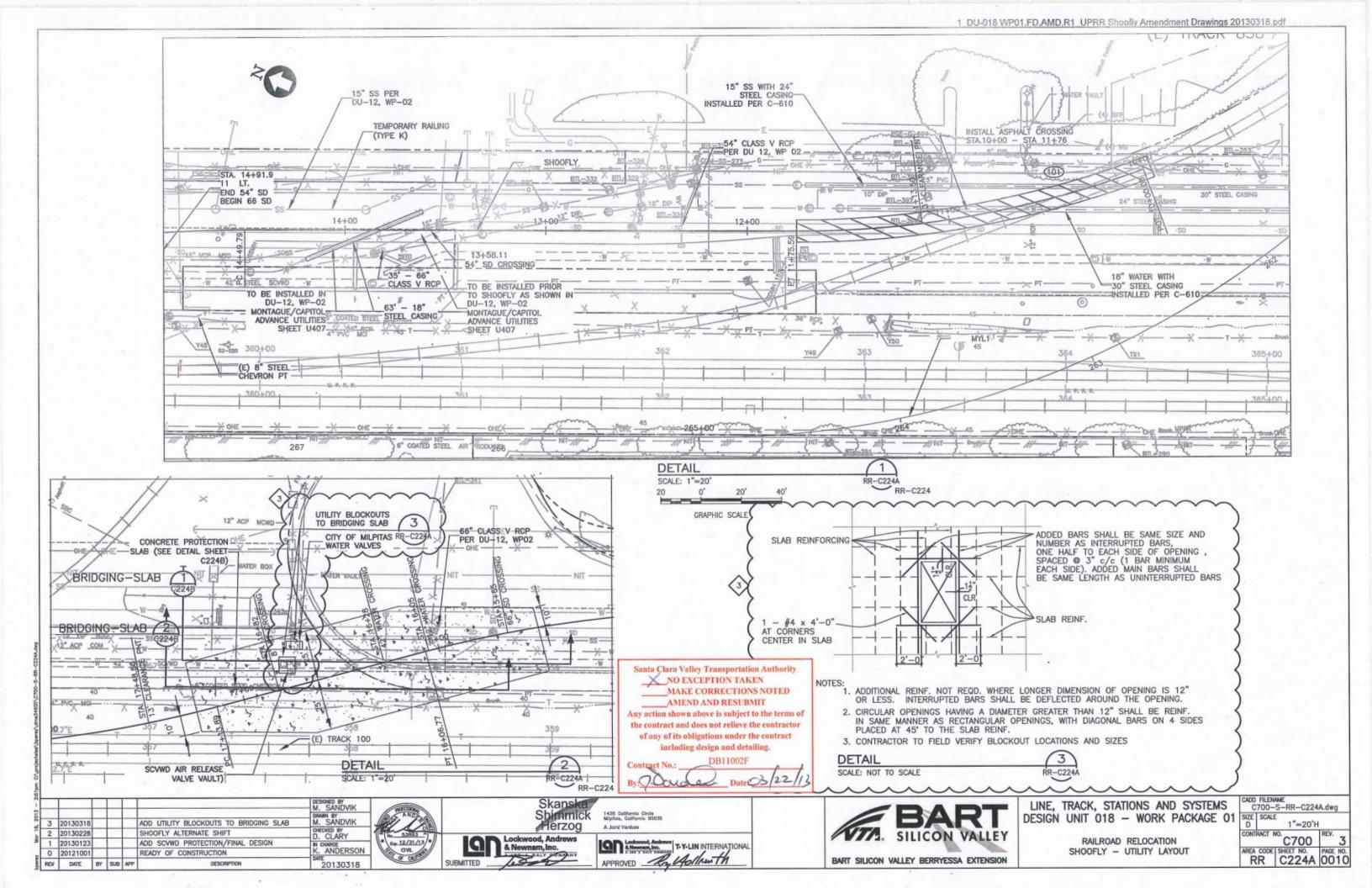


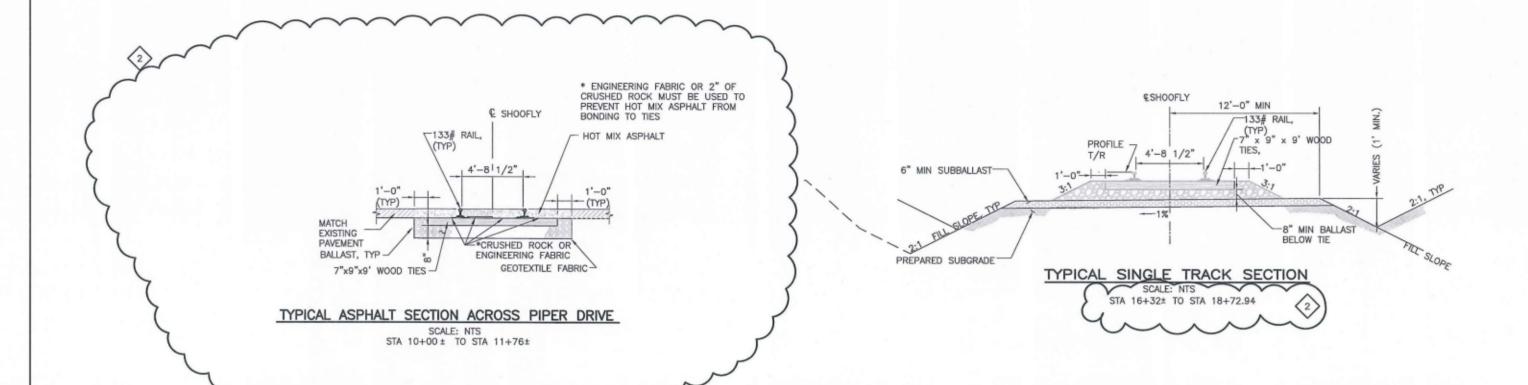


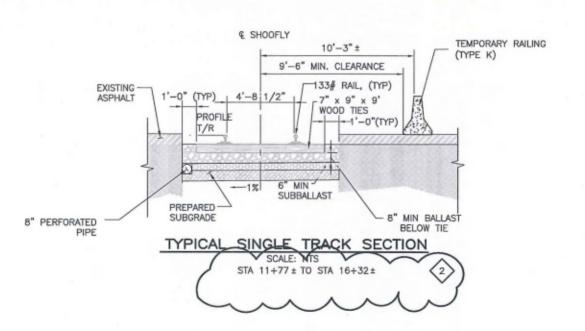
LINE, TRACK, STATIONS AND SYSTEMS DESIGN UNIT 018 - WORK PACKAGE 01

RAILROA	RELOCATIO	N -	SHOOFLY
	ALIGNMENT	DATA	

CADD FILENAME C700-S-RR-C089.dwg											
1	SIZE D	SCALE	1"=40'H								
	C700 REV. 2										
	AREA R	R	CO89	PAGE NO. 0008							







Santa Clara Valley Transportation Authority NO EXCEPTION TAKEN MAKE CORRECTIONS NOTED AMEND AND RESUBMIT Any action shown above is subject to the terms of the contract and does not relieve the contractor of any of its obligations under the contract including design and detailing.

						M. SANDVIK
		-				M. SANDVIK
2	20130228				ALTERNATE SHOOFLY	D. CLARY
1	20130123				CHANGE CROSSING DETAIL/FINAL DESIGN	IN CHARGE
0	20121001				READY OF CONSTRUCTION	K. ANDERSON
REV	DATE	BY	SUB	APP	DESCRIPTION	20130228



Skanska Shimmick Herzog

1436 California Circle Milpitas, California 95035



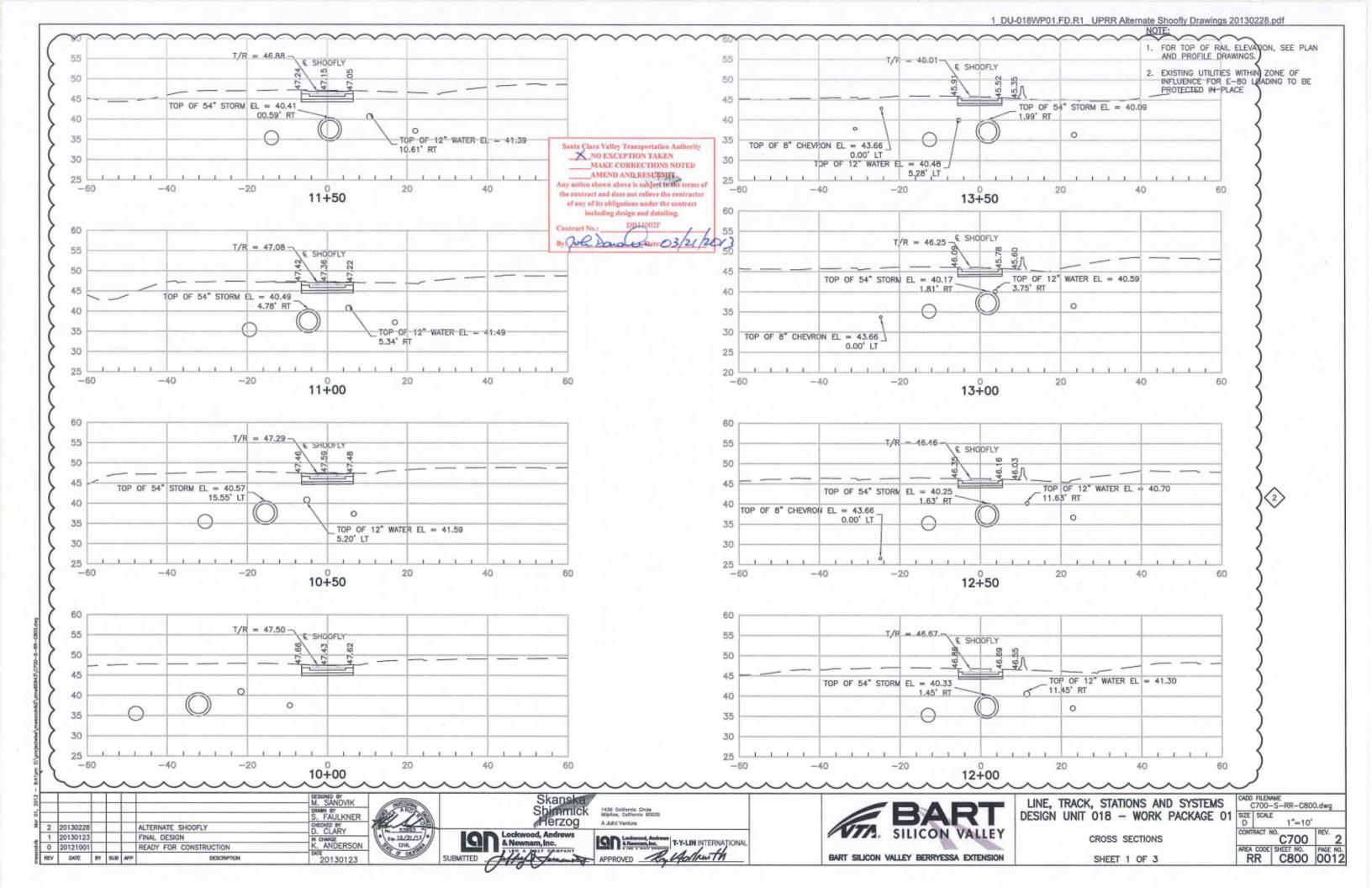


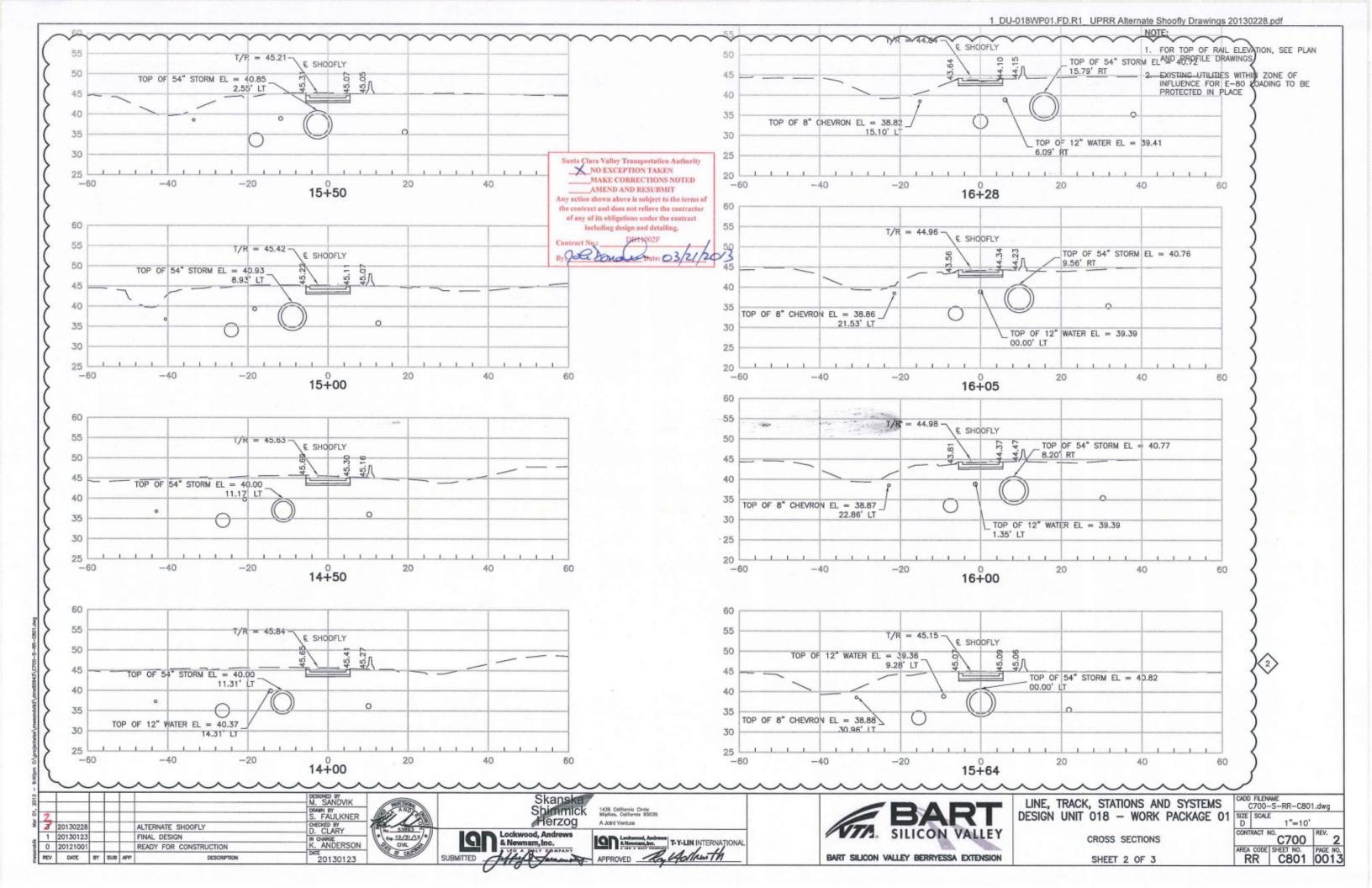
BART SILICON VALLEY BERRYESSA EXTENSION

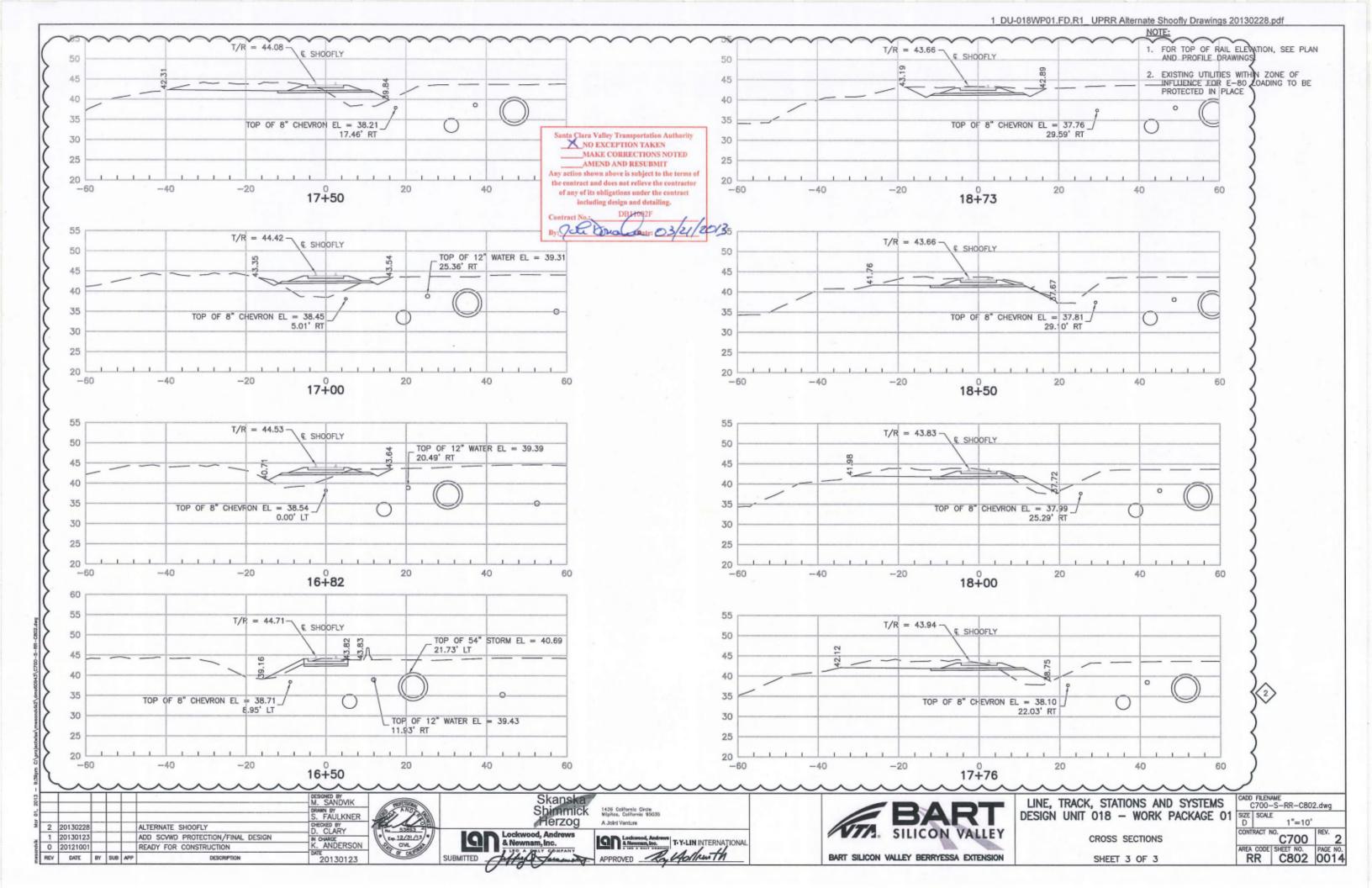
LINE, TRACK, STATIONS AND SYSTEM DESIGN UNIT 018 - WORK PACKAGE

> RAILROAD RELOCATION - SHOOFLY TYPICAL SECTIONS

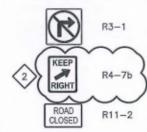
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	AREA R	R	C34	0.	PAGE NO. 0011







SIGN LEGEND:

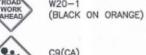


LANE CLOSED

SC11(CA)

ROAD WORK

G20-2 (BLACK ON ORANGE)



(BLACK ON ORANGE)

GENERAL NOTES:

- ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO CHAPTER 6 OF THE 2012 CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD).
- MAINTAIN ALL TEMPORARY TRAFFIC CONTROL DEVICES 24 HOURS PER DAY AND 7 DAYS PER WEEK.
- 3. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE REMOVED FROM VIEW WHEN NOT IN USE.
- 4. ALL STRIPING REMOVED OR DAMAGED, SHALL BE REPLACED BY THE CONTRACTOR WITHIN 4 HOURS (OR REPLACED WITH TEMPORARY TAPE UNTIL MARKINGS CAN BE PERMANENTLY RESTORED).

LEGEND:

← DIRECTION OF TRAVEL

TYPE III BARRICADE WITH SIGN

TYPE III BARRICADE

NEW TEMPORARY SIGN, 1 POST

NEW TEMPORARY SIGN, 2 POSTS

DELINEATOR

◆ TEMPORARY RAILING (TYPE K)



WORK ZONE

FLAGGER

FOR REFERENCE ONLY, FROM DU-12, WP-02

DESIGNED BY R. PADERNA DRAWN BY
J. MOSER
CHECKED BY
J. PETERMAN 2 20121221 1 20121031 READY FOR CONSTRUCTION IN CHARGE S. LUCKJIFF 0 20120919 REV DATE BY SUB APP READY FOR CONSTRUCTION DESCRIPTION 20121221

SUBMITTED



A Joint Venture

Lockwood, Andrewe & Newman, Inc.

1- Y-LIN INTERNATIONAL APPROVED Ray Hollauth



LINE, TRACK, STATIONS AND SYSTEMS

PIPER DRIVE TITLE SHEET

	FILEN 700-	05.dwg	
SIZE	SCALE	1"=40)'
CONT	RACT N	REV. 2	
AREA	CODE	C305	PAGE NO. 0038

READY FOR CONSTRUCTION

SUBMITTED ____

20121221

0 20120919

DATE BY SUB APP

BEGINNING OF WORK TO STA 20+50

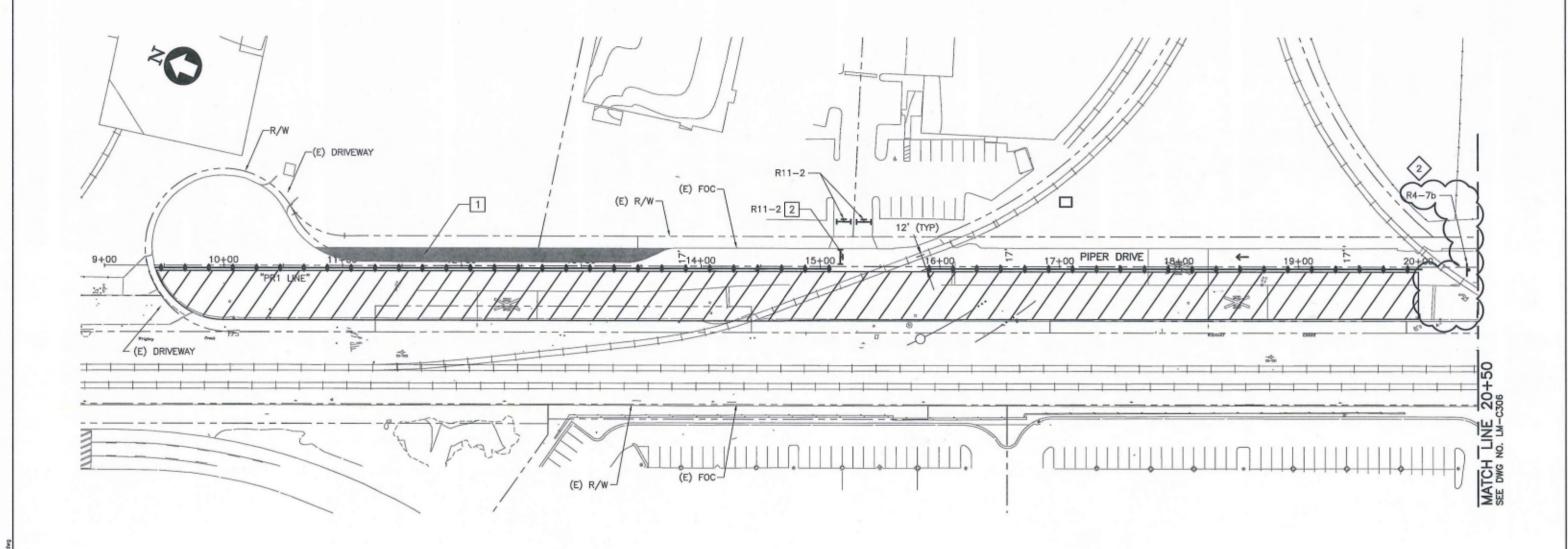
BART SILICON VALLEY BERRYESSA EXTENSION

PROJECT NOTES:

- EXISTING CURB TO BE REMOVED. INSTALL TEMPORARY PAVEMENT. MATCH EXISTING PAVEMENT SECTION.
- 2 INSTALL SIGN AND BARRICADE DURING OFF WORK HOURS.

GENERAL NOTES:

- 1. SEE TITLE SHEET LM-C305 FOR LEGEND.
- THIS PLAN IS INCLUDED IN DU 012 AND REFERENCED INTO DU 018.
- THE CONTRACTOR IS RESPONSIBLE FOR MANAGING ALL CONSTRUCTION VEHICLES ACCESS TO AND FROM PIPER DRIVE AT ALL TIMES.
- TEMPORARY RAILING TO BE INSTALLED TO ADEQUATELY PROTECT WORK ZONE.



FOR REFERENCE ONLY FROM DU-12, WP-02





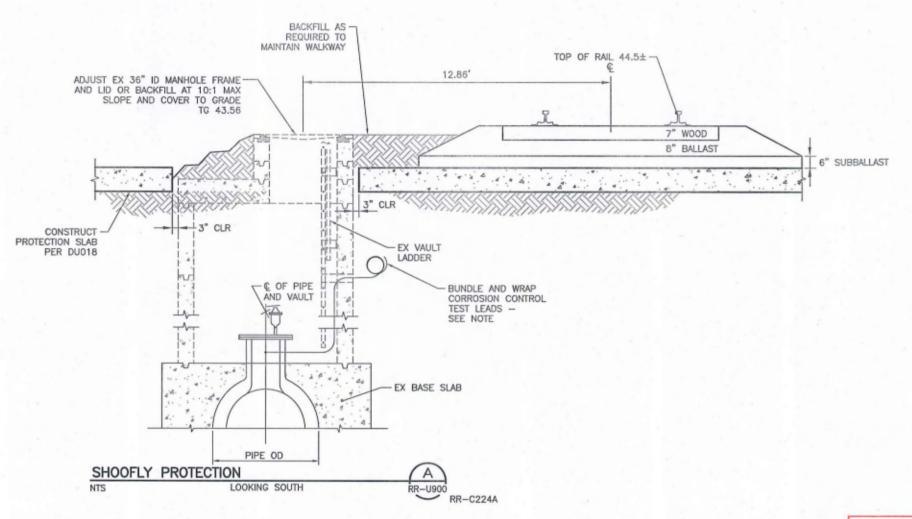
LINE, TRACK, STATIONS AND SYSTEMS

PIPER DRIVE TRAFFIC CONTROL PLAN STA 20+50 TO END OF WORK

	GR	APHIC SCALE	Ξ.
MS		ILENAME 00-S-LM-C	307.dwg
	SIZE S	1"=4	0'
	CONTRA	C700	REV. 2
	AREA O	00E SHEET NO. C307	PAGE NO. 0040

NOT

AFTER REMOVAL OF SHOOFLY AND PROTECTION SLAB, THE MANHOLE FRAME/LID AND THE CORROSION CONTROL TEST LEADS (WITH BOX) SHALL BE RESTORED TO ORIGINAL CONDITION, AT THE NEW FINISHED CRADE



Santa Clara Valley Transportation Authority

NO EXCEPTION TAKEN

MAKE CORRECTIONS NOTED

AMEND AND RESUBMIT

Any action shown above is subject to the terms of the contract and does not relieve the contractor of any of its obligations under the contract including design and detailing.

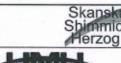
Contract No. DB11002F

Contract No.: DB11002F

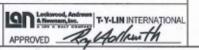
By: Date: 03/22/

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1							J. STREEPER	
9, 201							A. CANIVEL	5
Apr 16							CHECKED BY K. MULLER	١
-	_						IN CHARGE *\	١
k	0	20130318				ADD SCWID PROTECTION DETAIL	J. STREEPER	ļ
ž	REV	DATE	BY	SUB	APP	DESCRIPTION	20170719	Ņ





1436 California Circle Milipitos, California 95035 A John Venture





LINE,	TRACK,	STATIONS	AND	SYSTEM:	S
DESIGN	UNIT	018-WOR	K PA	ACKAGE	0

EX SCVWD WATER PIPELINE PROTECTION DETAIL PRECAST VAULT

S	CADO FILENAME C700-S-RR-U900.dwg SIZE SCALE D AS NOTED				
01					
	CONT	C700			REV. O
	AREA R	R	SHEET U9	NO.	PAGE NO. 0015