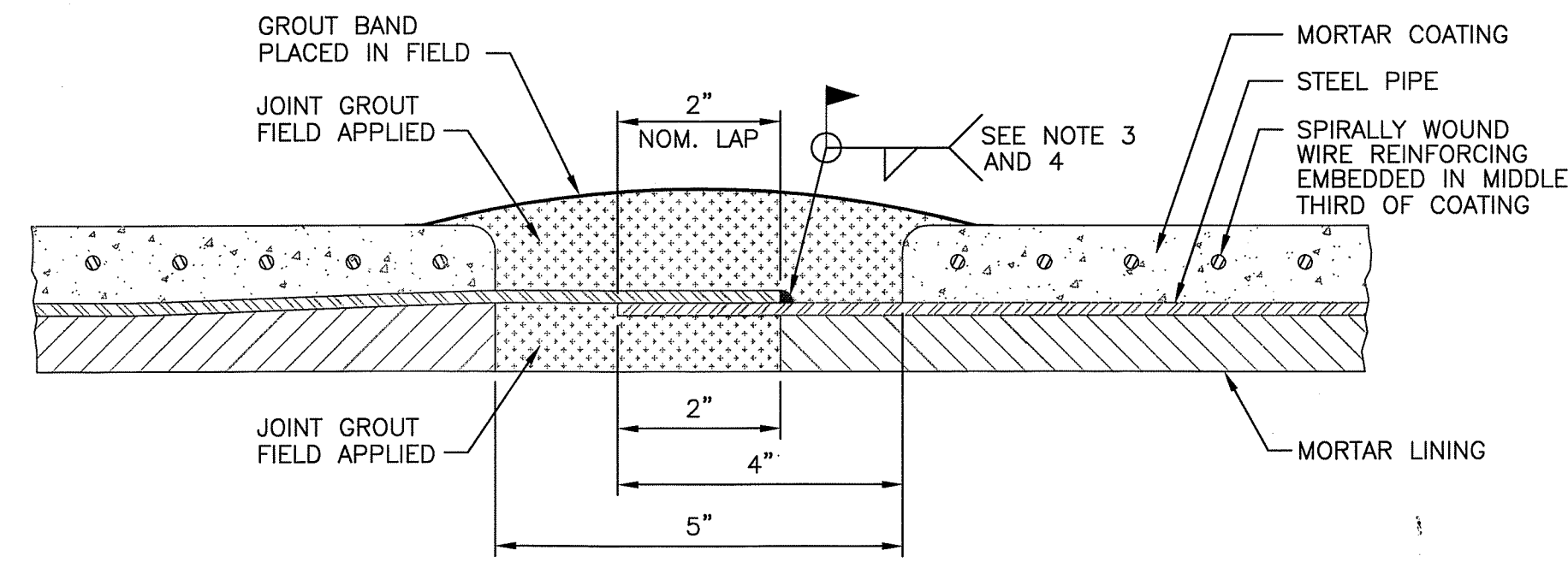
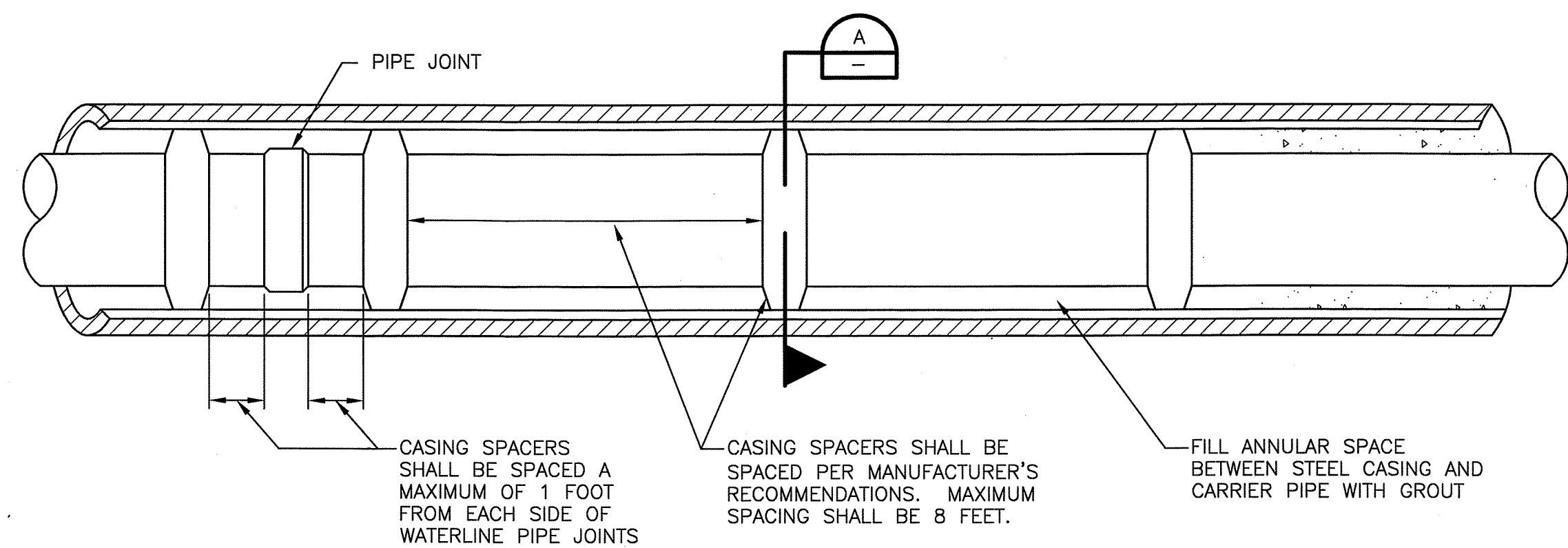


TYPICAL RUBBER GASKET CARNEGIE JOINT
NTS

- NOTES:**
1. PROVIDE SHOP HOLD BACK OF LINING, COATING OR BOTH AS NECESSARY TO ACCOMMODATE FIELD FILLET WELDS AT PIPE JOINTS.
 2. AWWA C200 WITH C205 COATING AND LINING SHOWN.
 3. SIZE TIED JOINT FIELD FILLET WELDS TO ATTAIN DESIGN THRUST RESTRAINT PER SPECIFICATIONS.
 4. SINGLE LAP WELD (OUTSIDE) SHALL BE USED TO PROVIDE RESTRAINT.



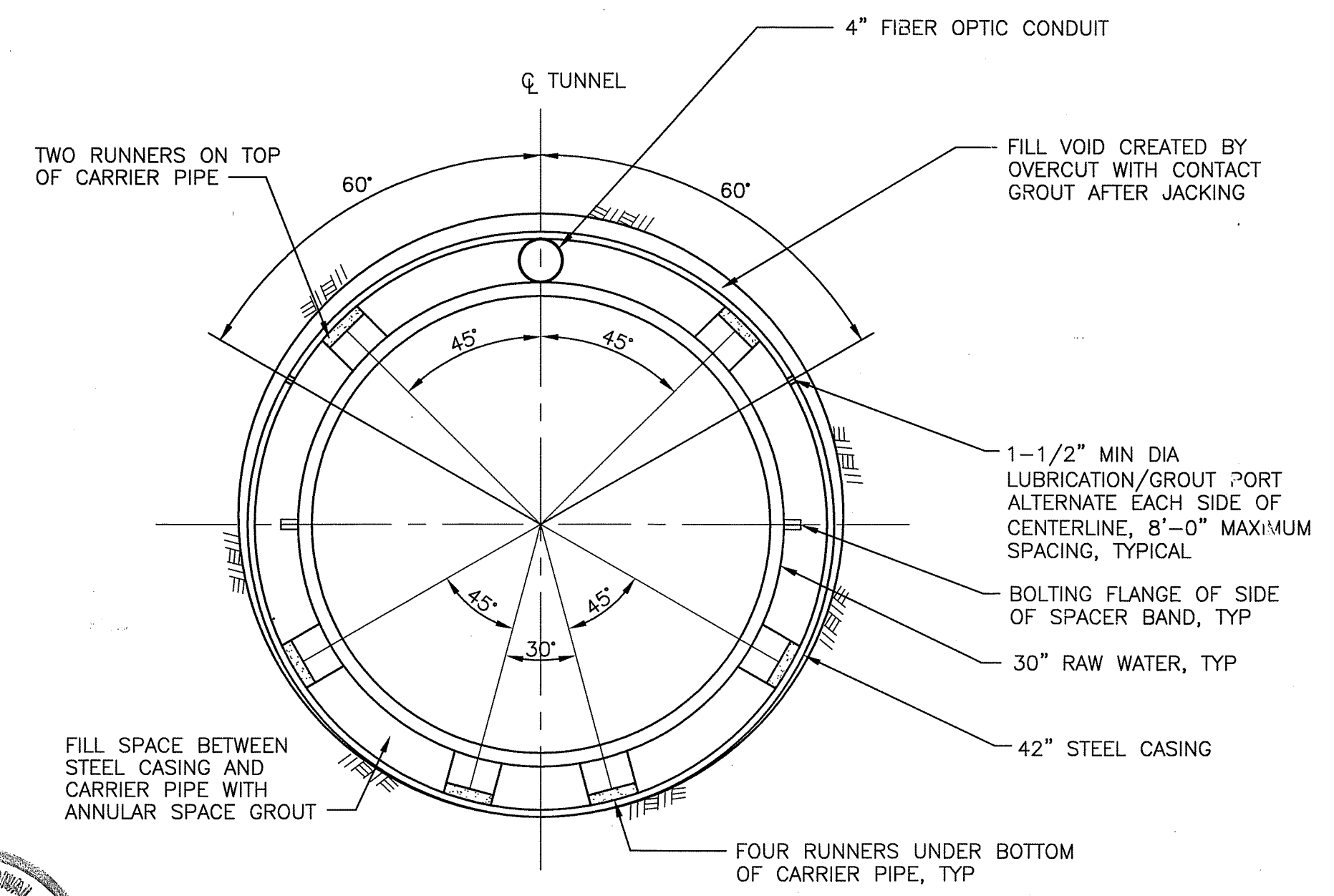
TYPICAL WELDED JOINT
NTS



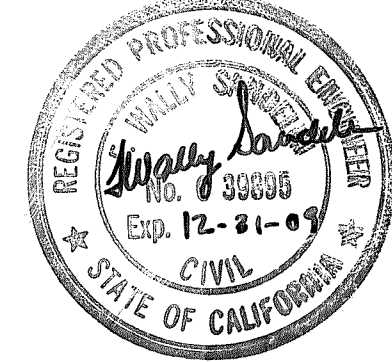
CASING NOTES

1. CASING SHALL BE PLUGGED ON BOTH ENDS BEFORE BACKFILLING JACKING PITS. PLUGS SHALL CONSIST OF A MINIMUM OF 2 LINEAL FEET OF LOW STRENGTH GROUT (1500 PSI MIN) TO THE END OF THE CASING.
2. PROVIDE SIX - 1/2" DIAMETER WEEP HOLES IN PLUG ON DOWNSLOPE SIDE OF CASING. WEEP HOLES SHALL BE LOCATED ON BOTTOM OF PLUG ON 3" CENTERS.
3. ALL JOINTS FOR THE CARRIER PIPE SHALL BE RESTRAINED.

STEEL CASING AND CASING SPACER DETAIL
NTS

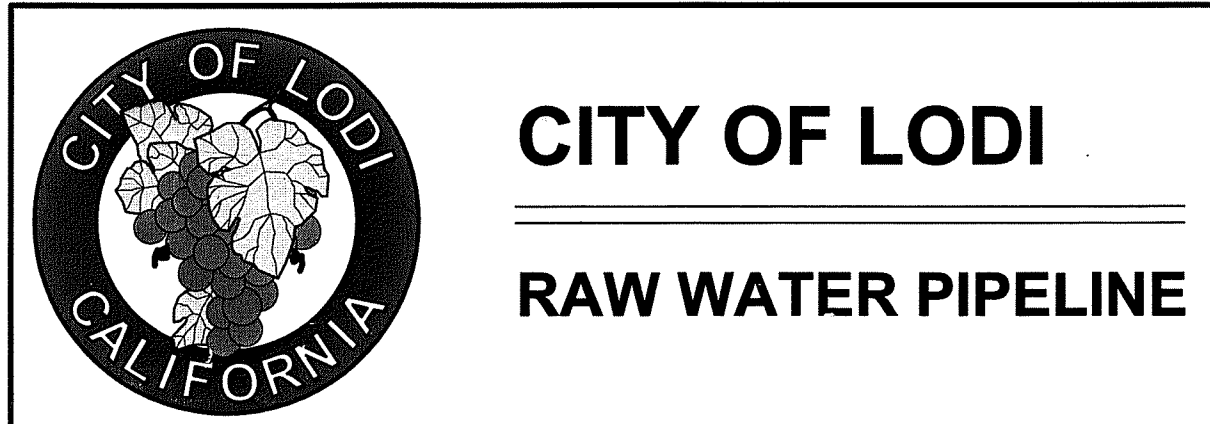
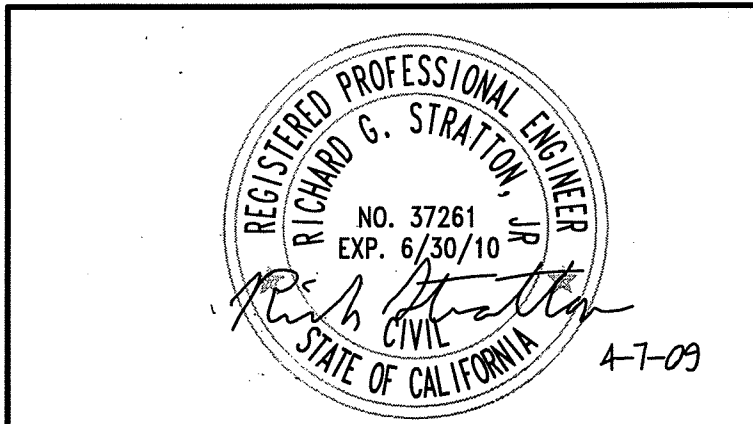


PIPE JACKING RUNNER PLACEMENT
NTS



ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	R. STRATTON
DESIGNED	T. THITTHANYANONT
DESIGNED	R. STRATTON
CHECKED	K. HENDERSON
DRAWN BY	P. VAN MEURS
PROJECT NUMBER	343957-63277-141



DETAILS II

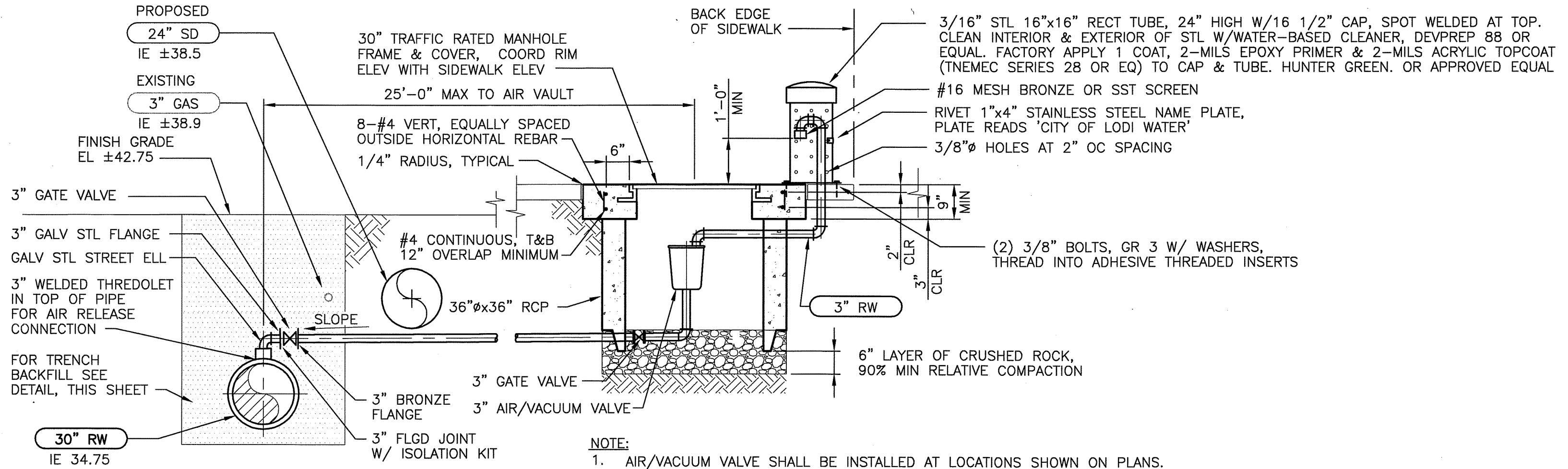
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SHEET 31 of 31
W-7

SU-5003

FILE: 63277_W07.dwg
DATE: May 16, 2009 4:30:27pm pvanmeu

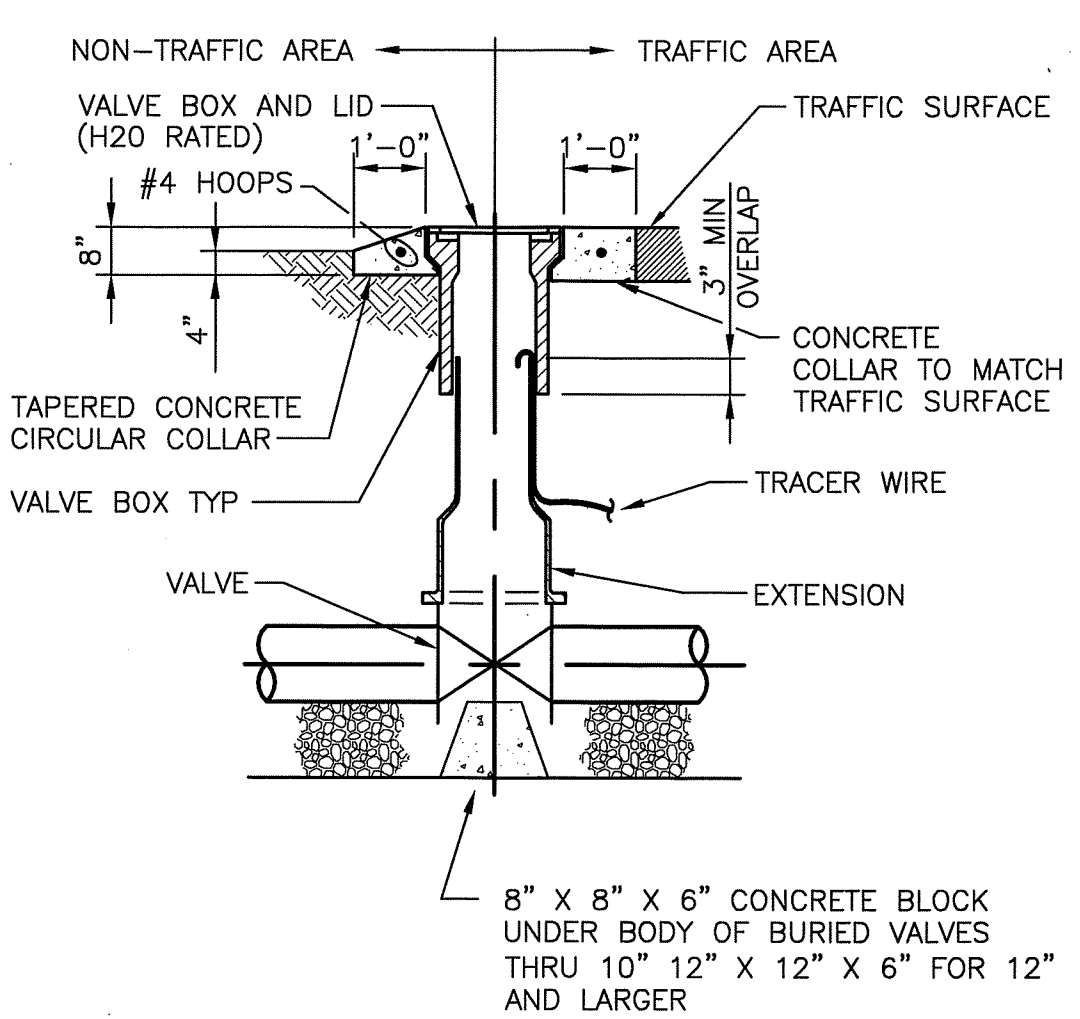


- NOTE:**
- AIR/VACUUM VALVE SHALL BE INSTALLED AT LOCATIONS SHOWN ON PLANS.
 - AIR/VACUUM VALVES SHALL BE FURNISHED FOR A PRESSURE RATING AT LEAST EQUAL TO DESIGN PRESSURE HEAD AS SPECIFIED FOR PIPELINE.
 - TOP SURFACE OF CONCRETE COLLAR TO HAVE FOUR 1/2" DEEP SCORED GROOVES, TWO PARALLEL AND TWO PERPENDICULAR TO PIPELINE CENTERLINE.
 - CONCRETE COLLARS ARE TO BE POURED ROUND OR ANY OTHER SHAPE AS APPROPRIATE AND APPROVED BY ENGINEER.

PAVED AREAS

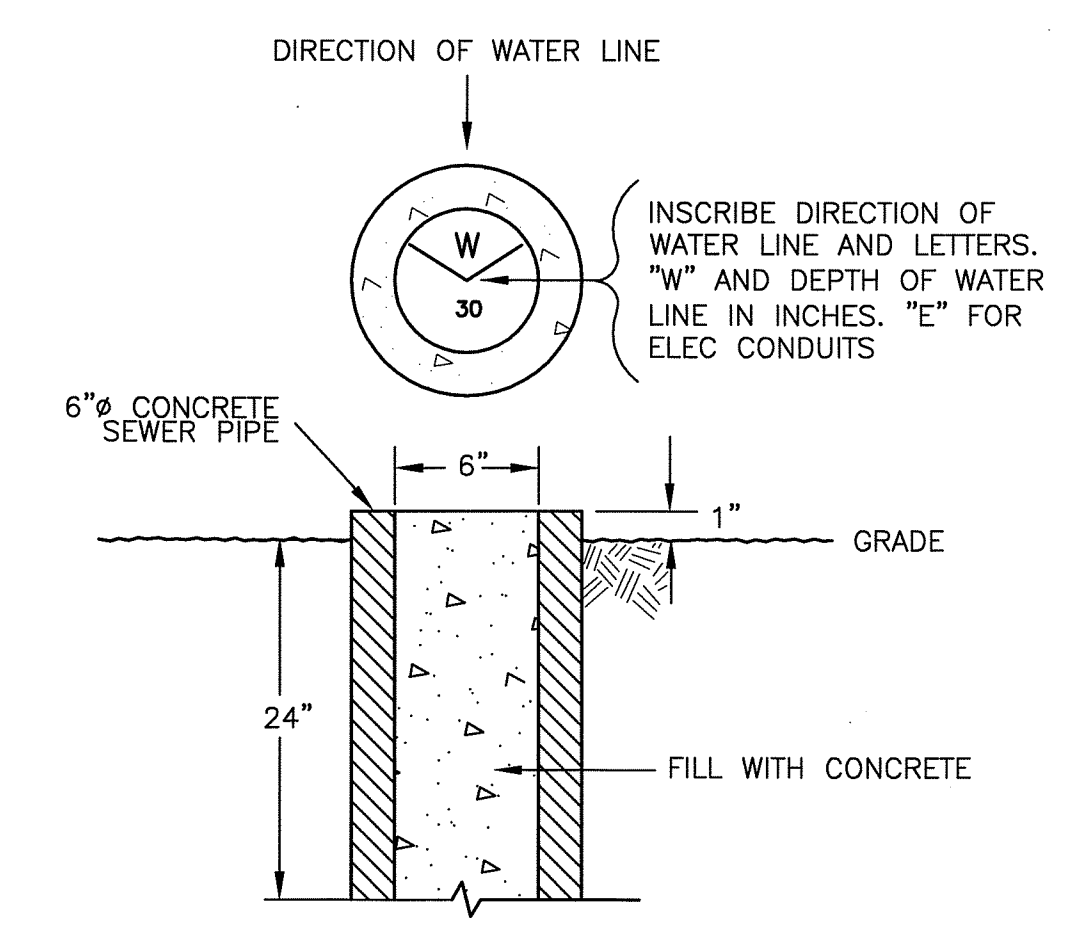
COMBINATION AIR RELEASE VALVE

NTS



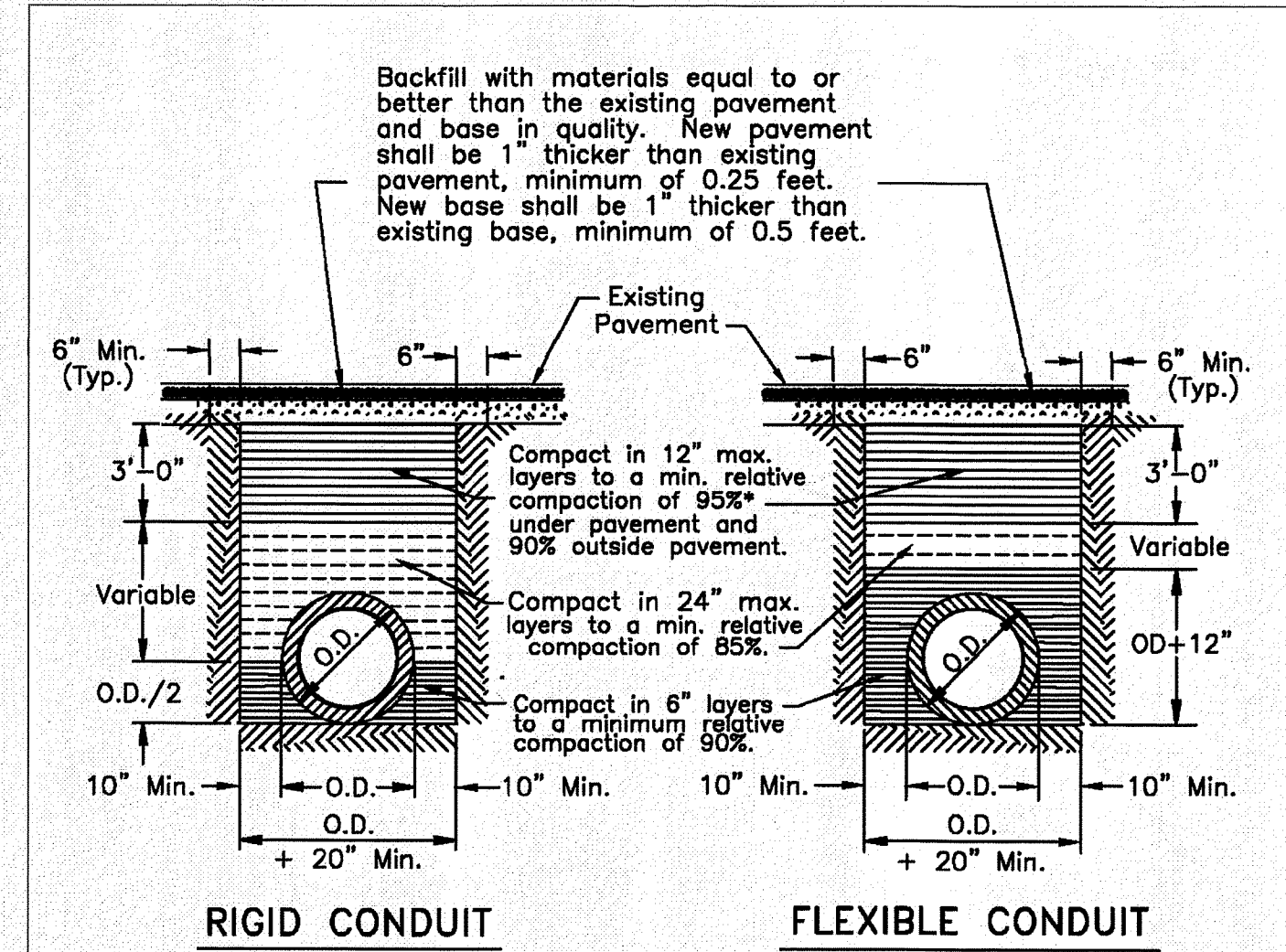
BURIED VALVE BOX WITH TRACER WIRE

NOT TO SCALE



WATER LINE TERMINATION MARKER DETAIL
(MAY ALSO BE USED TO MARK BURIED CONDUIT TERMINATIONS)

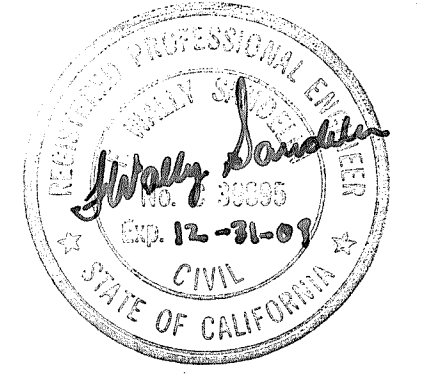
BURIED PIPE MARKER DETAIL



NOTES:

- Relative compaction of materials shall be tested in accordance with the State of California, Dept. of Transportation Testing Manuals, test method No. California 216 or 231.
- All existing pavement shall be neatly cut to line prior to trench excavation.
- Jetting or ponding will be permitted within the street Right of Way with a 3 year bond.
- When shown by soil composition and compactability, ninety percent (90%) compaction may be used, when approved by the Director of Public Works.
- Special bedding requirements may be shown on the plans or specified in special provisions.
- Shoulders shall be as shown on the plans or specified in the special provisions but in no case shall the shoulder be less than three feet wide as measured from the edge of pavement.

No.	Revised	By	Approved by
1	Feb. 1998	PD	Director of Public Works
Drawn by JLD			Date JUNE 1997
Checked by			Drawing No. R-29
Scale NONE			COUNTY OF SAN JOAQUIN DEPARTMENT OF PUBLIC WORKS



5004

FILE: 63277_W06.dwg
DATE: Apr 07, 2009 - 12:31:27pm, pnammu



ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	R. STRATTON
DESIGNED	T. THITTHANYANONT
DESIGNED	R. STRATTON
CHECKED	K. HENDERSON
DRAWN BY	P. VAN MEURS
PROJECT NUMBER	343957-63277-141



CITY OF LODI
RAW WATER PIPELINE

DETAILS I

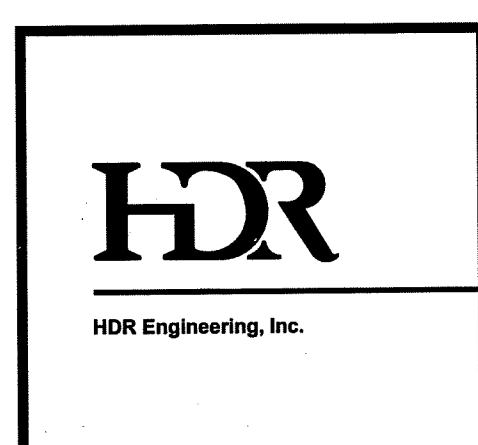
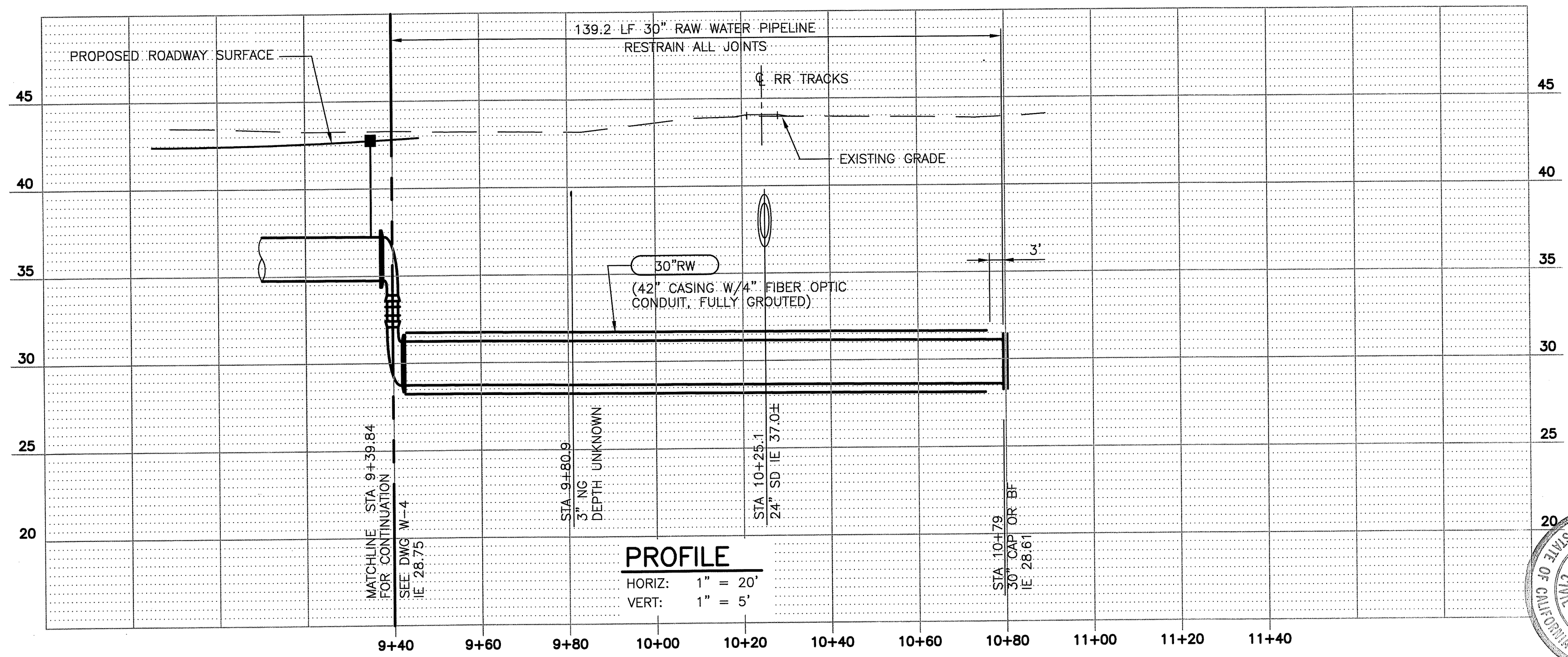
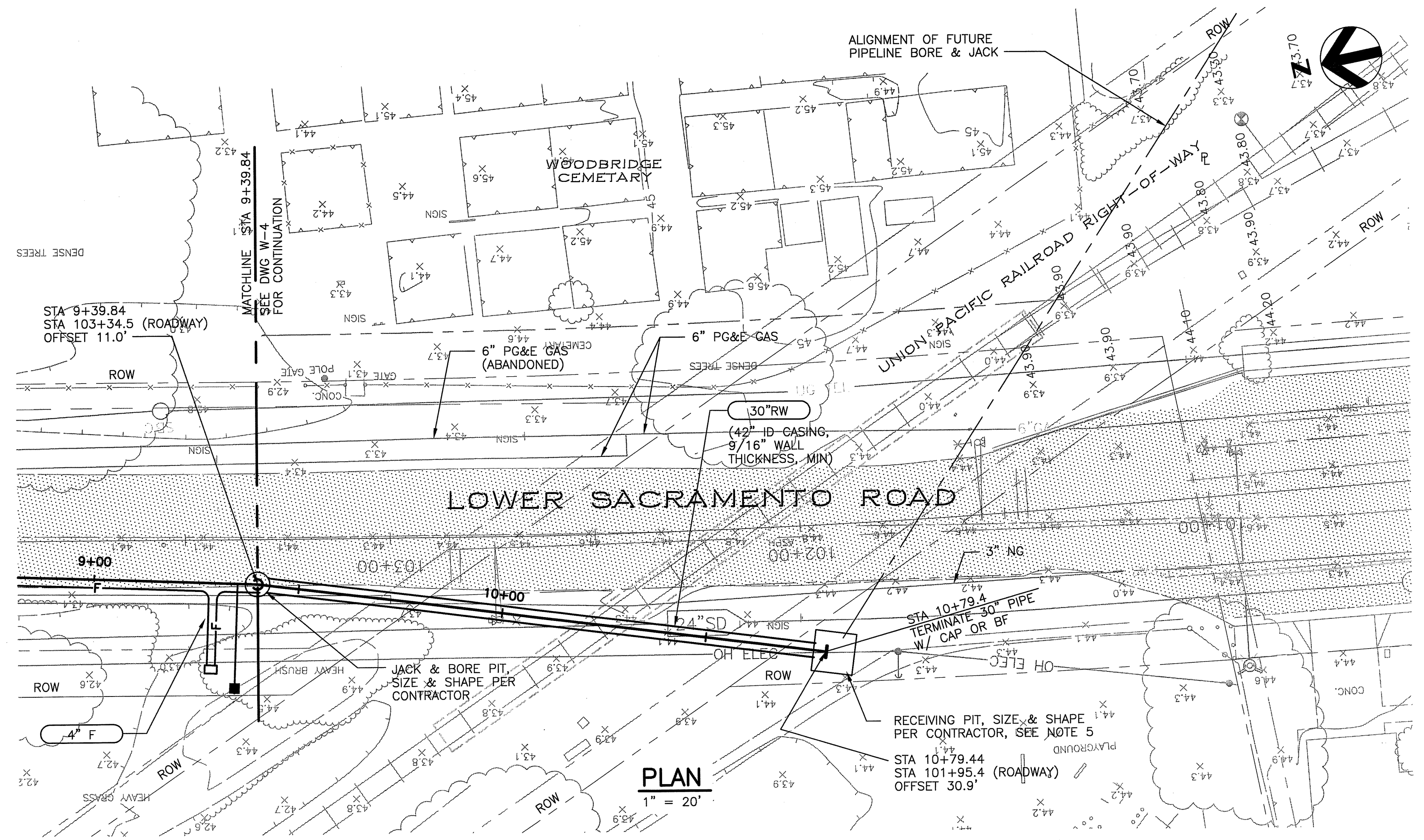
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SHEET 30 of 31
W-6

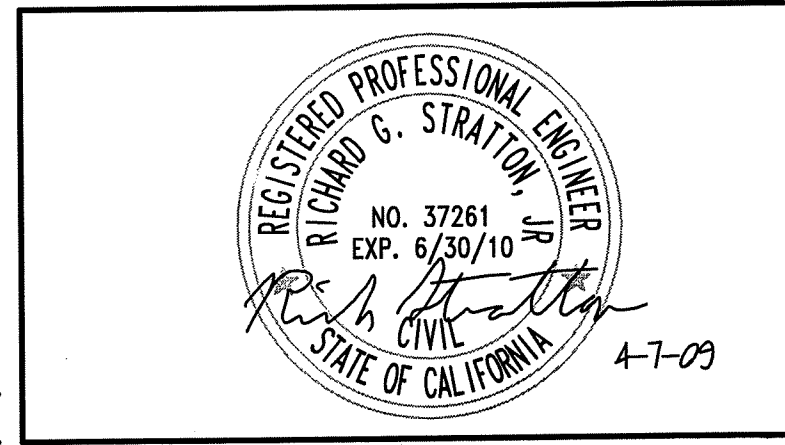
RAW WATER PIPELINE NOTES:

1. PROTECT LANDSCAPE IN PLACE. ALL TREES DAMAGED OR REMOVED FROM STAGING AREA SHALL BE REPLACED IN KIND AFTER CONSTRUCTION WITH 30" BOX TREES.
2. IRRIGATION SYSTEMS SHALL REMAIN OPERABLE DURING CONSTRUCTION. MODIFY PIPING AS NECESSARY TO MAINTAIN IRRIGATION IN SURROUNDING LANDSCAPED AREAS. REPLACE ANY LANDSCAPING DESTROYED BY LOSS OF IRRIGATION IN KIND.
3. PERFORM WORK ONLY DURING THE ALLOWABLE WORK HOURS AS SPECIFIED IN THE WORK SEQUENCE SPECIFICATION.
4. FOLLOW THE APPROVED TRAFFIC CONTROL PLAN FOR ALLOWABLE WORK ZONE.
5. CAP 30" RW FOR TIE-IN TO FUTURE TREATMENT PLANT (BY OTHERS). INSTALL BLIND FLANGE WITH 8" TEMPORARY BLOW-OFF VALVE FOR TESTING AND FLUSHING. REPLACE WITH CAP AFTER FLUSHING. CAP 4" FIBER OPTIC CONDUIT.
6. INSTALL 30" RAW WATER PIPELINE FOLLOWING THE HORIZONTAL PI'S AS SHOWN, OR BY USING MULTIPLE JOINTS TO MEET THE HORIZONTAL PI'S AS SHOWN AND PIPE MANUFACTURER'S ALLOWABLE DEGREE OF JOINT DEFLECTION.
7. SD (STORM DRAIN) SHOWN AS PROPOSED IMPROVEMENTS. SEE ROAD IMPROVEMENT DRAWINGS.



ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	R. STRATTON
DESIGNED	T. THITITHANYANONT
DESIGNED	R. STRATTON
CHECKED	K. HENDERSON
DRAWN BY	P. VAN MEURS
PROJECT NUMBER	343957-63277-141



CITY OF LODI
RAW WATER PIPELINE

PLAN AND PROFILE
STA 9+39.84 TO 10+79

0 1" 2"
SCALE 1"=20'

FILENAME 63277-W05.dwg
SCALE 1"=20'

SHEET 29 of 31
W-5

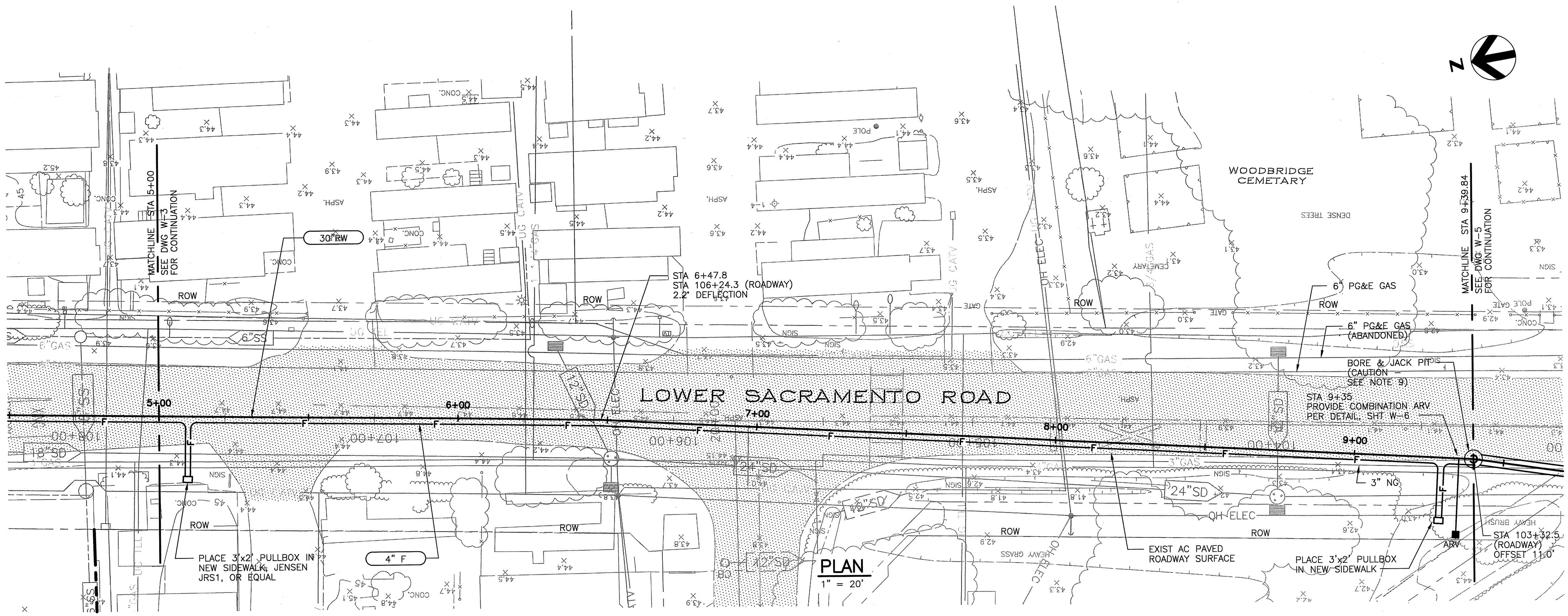
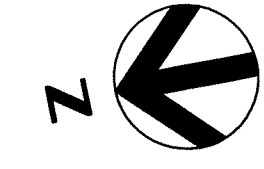
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DATE: May 18, 2009 3:48:57pm pvanmeu

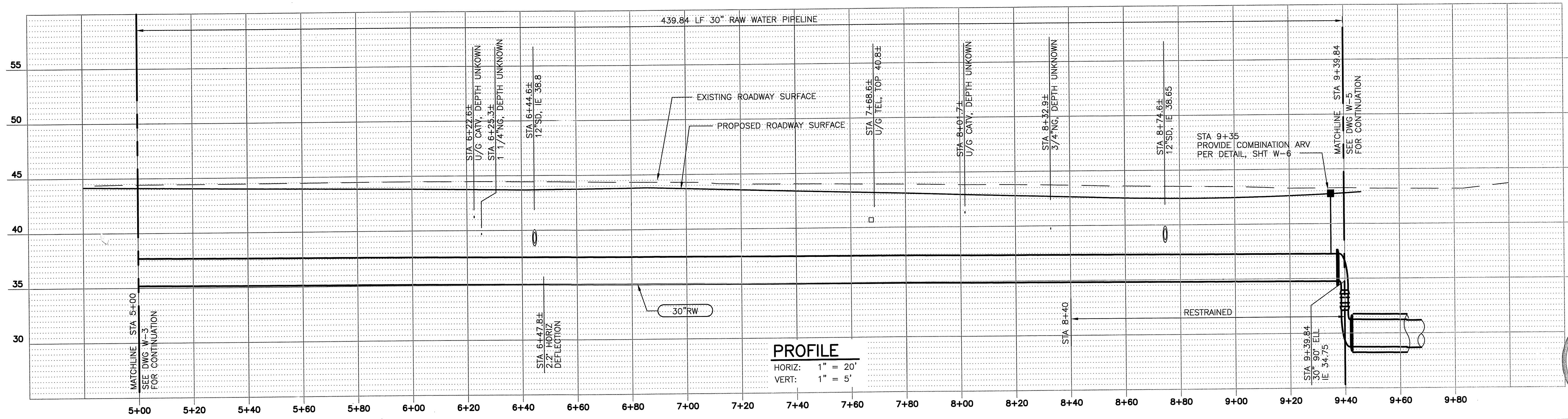
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RAW WATER PIPELINE NOTES:

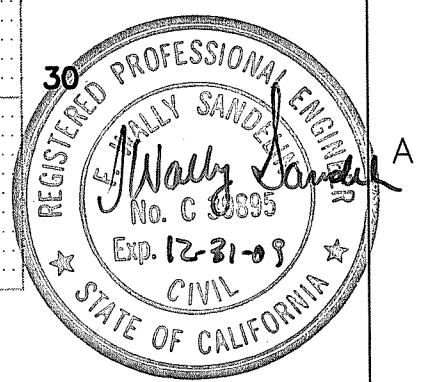
1. PROTECT LANDSCAPE IN PLACE. ALL TREES DAMAGED OR REMOVED FROM STAGING AREA SHALL BE REPLACED IN KIND AFTER CONSTRUCTION WITH 30" BOX TREES.
2. IRRIGATION SYSTEMS SHALL REMAIN OPERABLE DURING CONSTRUCTION. MODIFY PIPING AS NECESSARY TO MAINTAIN IRRIGATION IN SURROUNDING LANDSCAPED AREAS. REPLACE ANY LANDSCAPING DESTROYED BY LOSS OF IRRIGATION IN KIND.
3. CURB AND GUTTER DAMAGED DURING CONSTRUCTION SHALL BE REPLACED PER SAN JOAQUIN COUNTY DETAIL. PAINT ANY FIRE ACCESS CURBS TO MATCH THOSE REMOVED.
4. PERFORM WORK ONLY DURING THE ALLOWABLE WORK HOURS AS SPECIFIED IN THE WORK SEQUENCE SPECIFICATION.
5. FOLLOW THE APPROVED TRAFFIC CONTROL PLAN FOR ALLOWABLE WORK ZONE.
6. NOTIFY HOME OWNERS 7 CALENDAR DAYS PRIOR TO SAWCUTTING SIDEWALK, CURB, AND GUTTER AND REPLACE PER SAN JOAQUIN COUNTY SPECIFICATIONS.
7. REPLACE TRAFFIC LOOPS PRIOR TO STRIPING PER APPLICABLE CITY OR COUNTY STANDARDS. COORDINATE CONNECTIONS WITH CITY OF LODI AND COUNTY OF SAN JOAQUIN.
8. INSTALL 30" RAW WATER PIPELINE FOLLOWING THE HORIZONTAL PI'S AS SHOWN, OR BY USING MULTIPLE JOINTS TO MEET THE HORIZONTAL PI'S AS SHOWN AND PIPE MANUFACTURER'S ALLOWABLE DEGREE OF JOINT DEFLECTION.
9. BORING PIT IS ADJACENT TO A 3" GAS LINE. FIELD LOCATED GAS LINE AND CONFIRM PIT LOCATION PRIOR TO SUBMITTALS FOR RESPECTIVE WORK.
10. SD (STORM DRAIN) SHOWN AS PROPOSED IMPROVEMENTS. SEE ROAD IMPROVEMENT DRAWINGS.



PLAN
1" = 20'



PROFILE
HORIZ: 1" = 20'
VERT: 1" = 5'



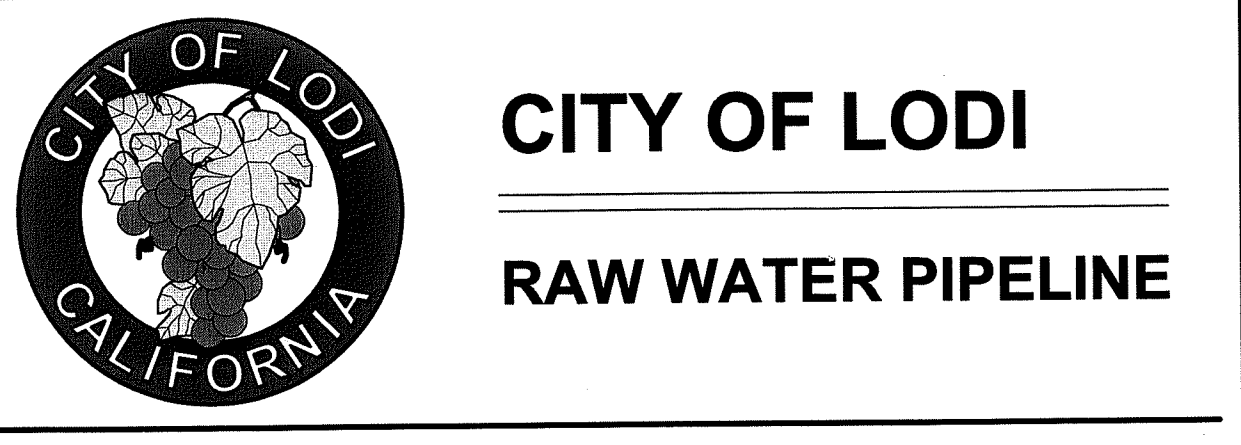
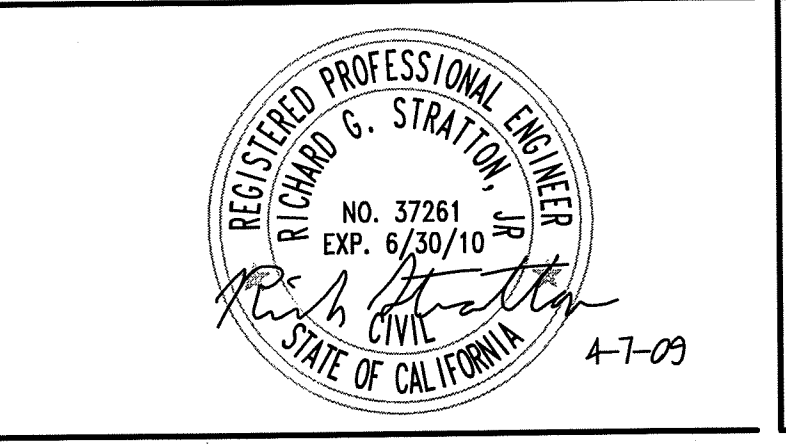
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FILE: 63277_W04.dwg
DATE: May 13, 2009 4:28:08pm pvanmeu



ISSUE	DATE	DESCRIPTION

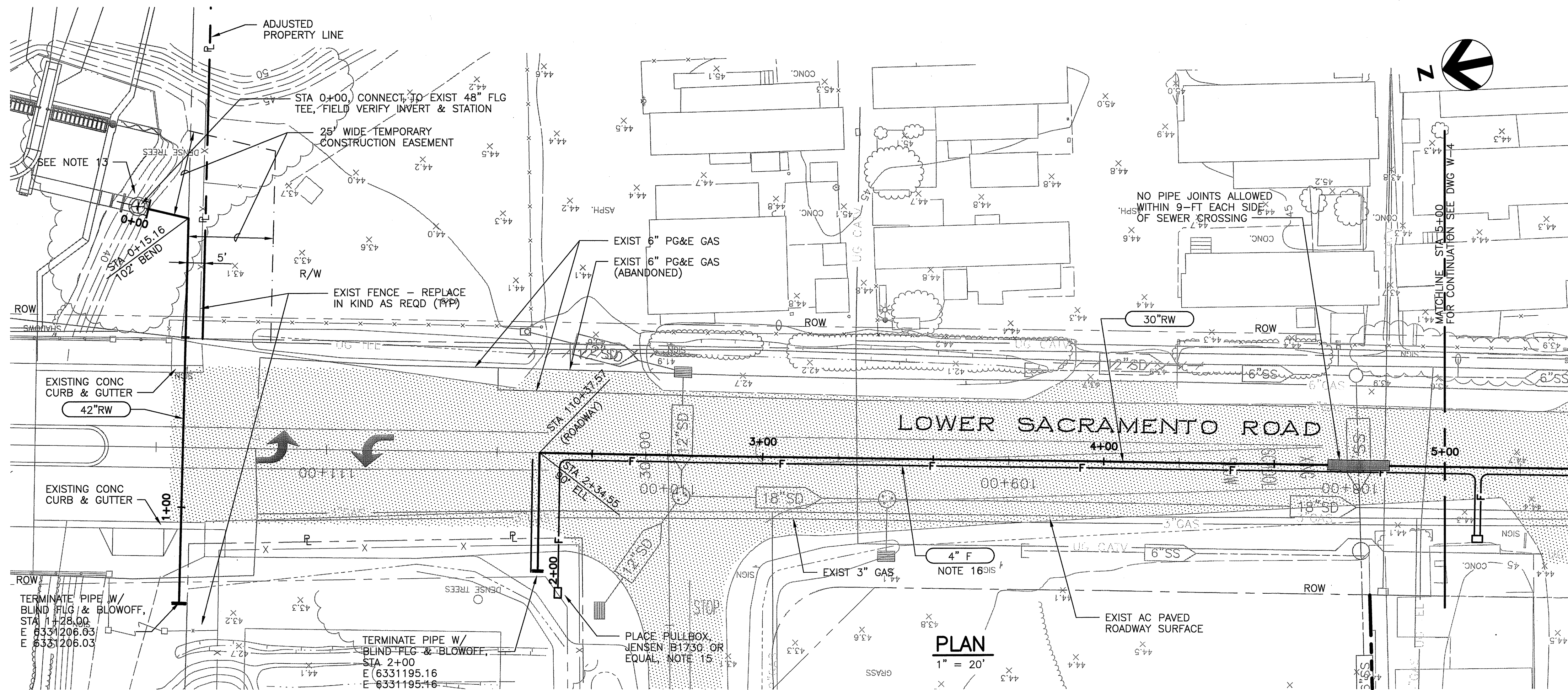
PROJECT MANAGER	R. STRATTON
DESIGNED	T. THITTHANYANONT
DESIGNED	R. STRATTON
CHECKED	K. HENDERSON
DRAWN BY	P. VAN MEURS
PROJECT NUMBER	343957-63277-141



PLAN AND PROFILE
STA 5+00 TO 9+39.84

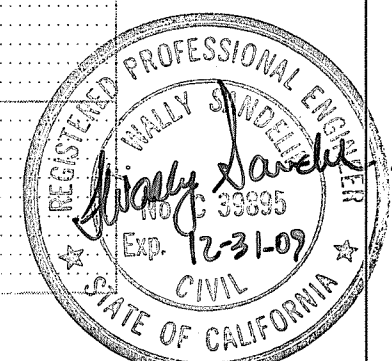
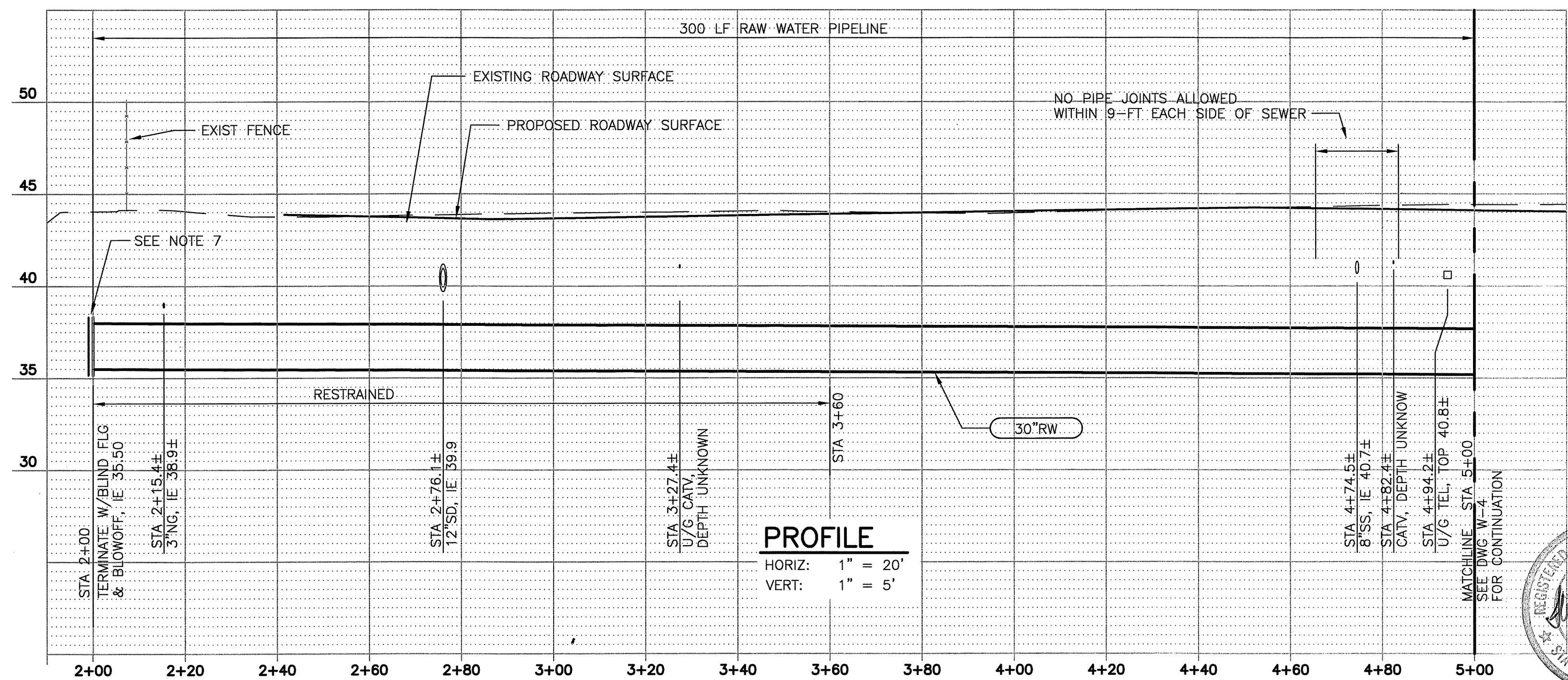
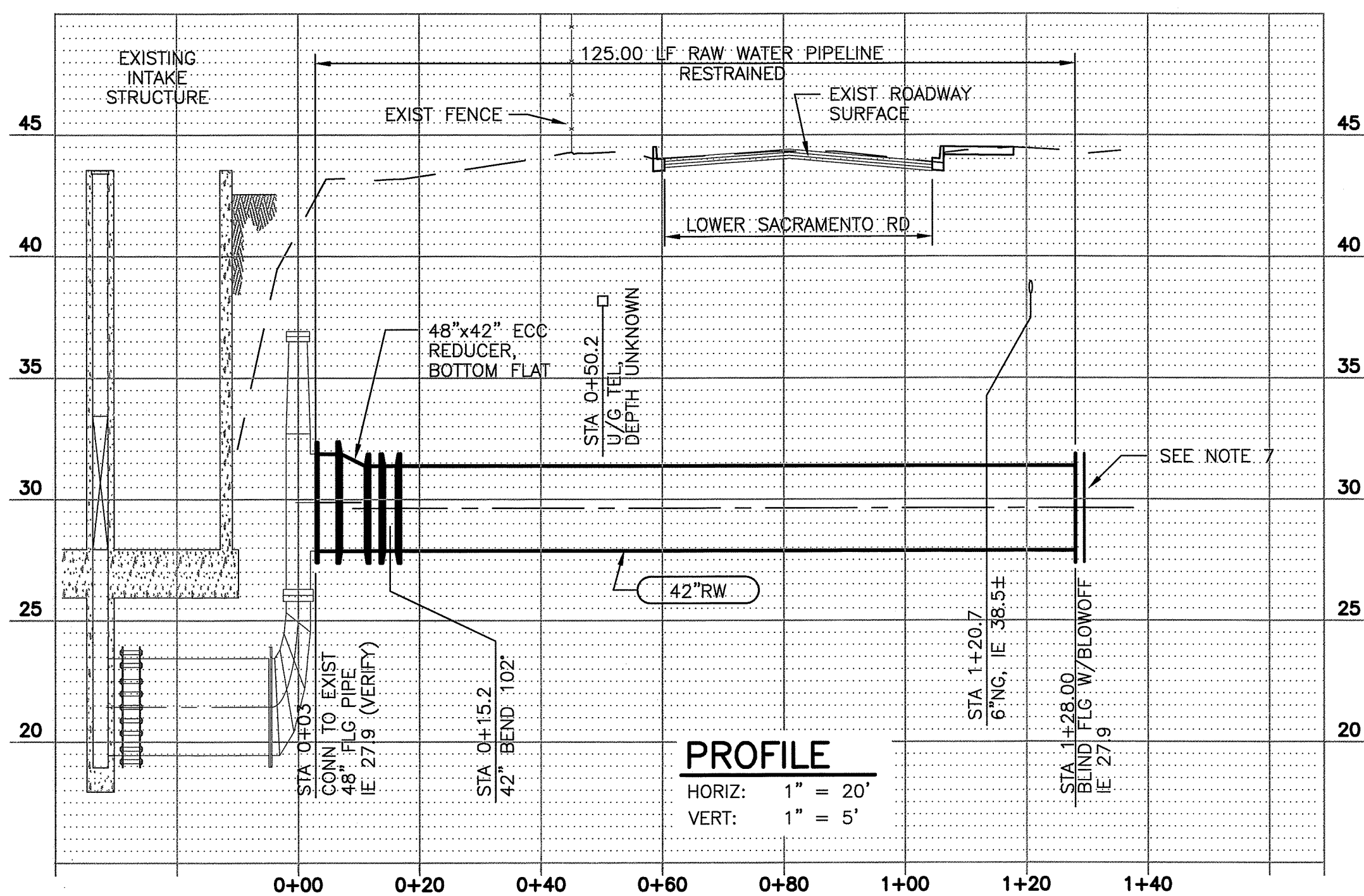
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SHEET 28 of 31
W-4



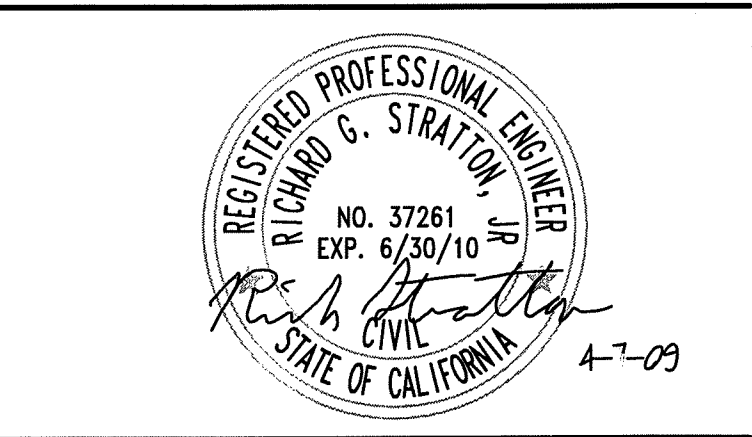
RAW WATER PIPELINE NOTES:

1. PROTECT LANDSCAPE IN PLACE. ALL TREES DAMAGED OR REMOVED FROM STAGING AREA SHALL BE REPLACED IN KIND AFTER CONSTRUCTION WITH 30" BOX TREES.
2. IRRIGATION SYSTEMS SHALL REMAIN OPERABLE DURING CONSTRUCTION. MODIFY PIPING AS NECESSARY TO MAINTAIN IRRIGATION IN SURROUNDING LANDSCAPED AREAS. REPLACE ANY LANDSCAPING DESTROYED BY LOSS OF IRRIGATION IN KIND.
3. CURB AND GUTTER DAMAGED DURING CONSTRUCTION SHALL BE REPLACED PER SAN JOAQUIN COUNTY DETAIL. PAINT ANY FIRE ACCESS CURBS TO MATCH THOSE REMOVED.
4. PERFORM WORK ONLY DURING THE ALLOWABLE WORK HOURS AS SPECIFIED IN THE WORK SEQUENCE SPECIFICATION.
5. FOLLOW THE APPROVED TRAFFIC CONTROL PLAN FOR ALLOWABLE WORK ZONE.
6. SAWCUT SIDEWALK, CURB, AND GUTTER AND REPLACE PER SAN JOAQUIN COUNTY SPECIFICATIONS.
7. BLIND FLANGE FOR TIE-IN TO FUTURE PUMP STATION (BY OTHERS). INSTALL 8" TEMPORARY BLOW-OFF VALVE IN FLANGE FOR TESTING AND FLUSHING. CAP 8" CONNECTION AFTER FLUSHING.
8. REPLACE TRAFFIC LOOPS PRIOR TO STRIPING PER APPLICABLE CITY OR COUNTY STANDARDS. COORDINATE CONNECTIONS WITH CITY OF LODI AND COUNTY OF SAN JOAQUIN.
9. INSTALL 42" AND 30" RAW WATER PIPELINE FOLLOWING THE HORIZONTAL P.I.'S AS SHOWN, OR BY USING MULTIPLE JOINTS TO MEET THE HORIZONTAL P.I.'S AS SHOWN AND PIPE MANUFACTURER'S ALLOWABLE DEGREE OF JOINT DEFLECTION.
10. SOIL REMOVED FROM THE TRENCH FOR THE 42"RW FROM STA 0+00 TO 0+45 SHALL BE REMOVED AND DISPOSED OF OFF-SITE. NEW CLASS 2 AB BACKFILL SHALL BE USED FOR BACKFILL. COMPACT TO 95% RELATIVE DENSITY.
11. POTHOLE AND LOCATE UG TEL PRIOR TO SUBMITTING SHOP DRAWINGS FOR THE 42"RW.
12. USE POSITIVE SHORING TO PROTECT THE EXISTING BRIDGE AND FISH SCREEN STRUCTURE AND CANAL.
13. LOCATE EXISTING DRAIN BOX AND 4" DRAIN PIPE, SAWCUT AND REMOVE AS REQUIRED. REPLACE BOX AND 4" DRAIN PIPE IN KIND AFTER 42"RW IS INSTALLED.
14. SD (STORM DRAIN) SHOWN AS PROPOSED IMPROVEMENTS. SEE ROAD IMPROVEMENT DRAWINGS.
15. PLACE 3'x2' CONCRETE PULLBOX 6' BEHIND BACK OF WALK.
16. PLACE 4" SCH 80 PVC CONDUIT WITH PULL ROPE FOR FUTURE FIBER OPTIC LINE. OFFSET 30" FROM RAW WATER LINE. ALL BENDS SHALL BE 3' RADIUS, MINIMUM.



ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	R. STRATTON
DESIGNED	T. THITITHANYANONT
DESIGNED	R. STRATTON
CHECKED	K. HENDERSON
DRAWN BY	P. VAN MEURS
PROJECT NUMBER	343957-63277-141



CITY OF LODI
RAW WATER PIPELINE

PLAN AND PROFILES
STA 0+03 TO 1+28 and
STA 2+00 TO 5+00

0 1" 2"

FILENAME 63277-W03.dwg
SCALE 1"=20'

SHEET 27 of 31
W-3

SU-5007

FILE: 63277_W03.dwg
DATE: May 18, 2009 - 3:48:57pm, pvanmeur

SITE PLAN SYMBOLOGY

	EMBANKMENT SLOPE
—50.5—	CONTOUR
	VEGETATION (SIZE)
● CO	CLEANOUT
● MH	MANHOLE
○ MW	MONITORING WELL
○ PZ	PIEZOMETER
■ CB	STORM DRAIN CATCH BASIN
■ UV	UTILITY VAULT
⚡ PP	POWER POLE
⚡ TP	TELEPHONE POLE
● FH	FIRE HYDRANT
● YH-X	YARD HYDRANT
X 75.5	EXISTING SPOT ELEVATION
75.8	FINISHED SPOT ELEVATION
△ CP-X	HORIZONTAL CONTROL POINT
⊙	BENCHMARK
⊙ TH-"X"	IDENTIFICATION AND APPROXIMATE LOCATION OF SOIL TEST HOLE
→	DOWNGUY
▲	EXTERIOR PAD MOUNTED TRANSFORMER
▲	POLE - MOUNTED TRANSFORMER
■ Y	ELECTRICAL HANDHOLE OR MANHOLE Y - MHX OR HHX, WHERE X INDICATES SEQUENCE NUMBER

NOTES:

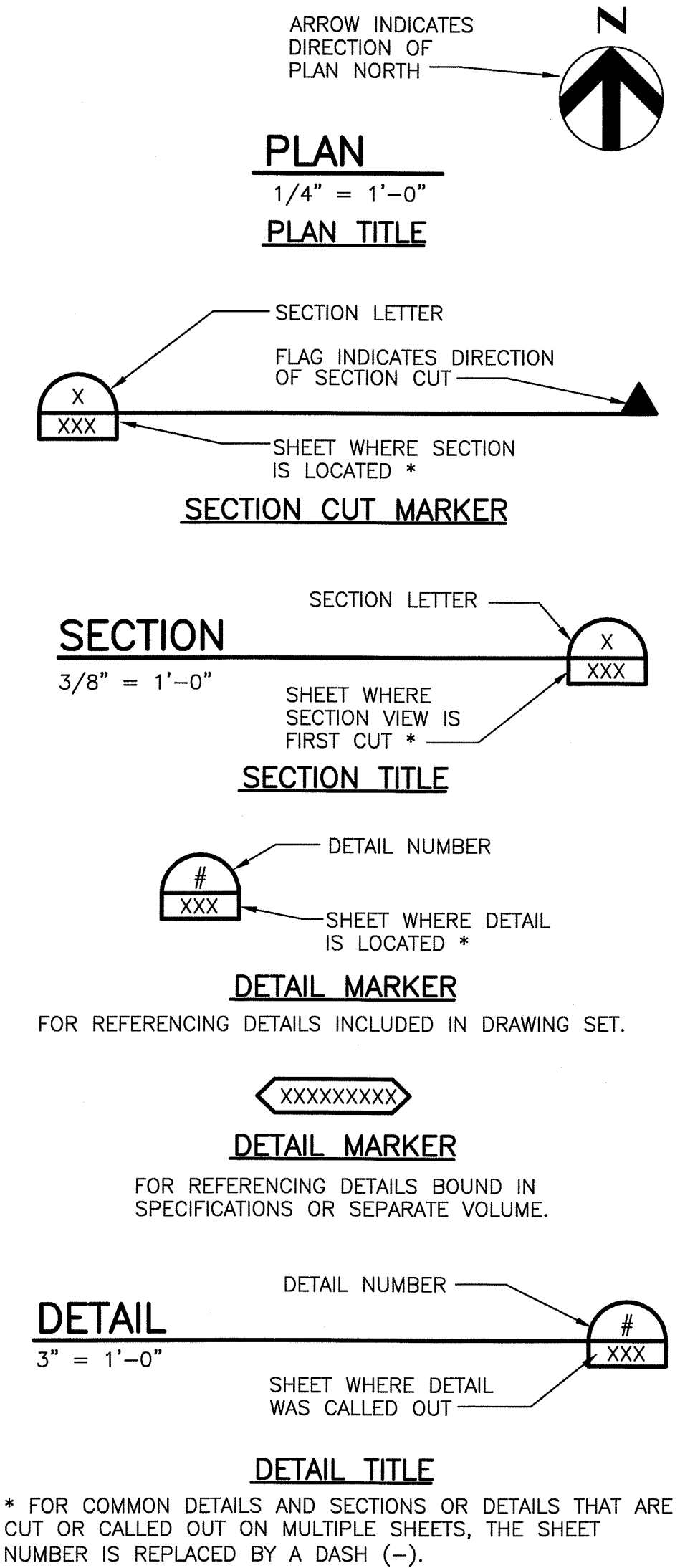
1. UTILITIES THAT ARE SUSPENDED ABOVE GRADE ARE DESIGNATED BY THE PREFIX "OH" (OVERHEAD).

—T—	TELEPHONE LINE
—E—	ELECTRIC LINE
—F—	FIBER OPTIC
—C—	COMMUNICATION
---	HANDRAIL AND GUARDRAIL
—	PIPELINE
—	LARGE PIPELINE
---	UTILITY BENEATH STRUCTURE
	RAILROAD
→	DRAINAGE FLOW
→	NATURAL WATERWAY
-X-X-	CHAIN LINK FENCE
-X-X-	FIELD FENCE
---	PROPERTY LINE
---	CENTERLINE
—RB—	ROCK BERM
—SF—	SILT FENCE
---	EASEMENT
---	LIMITS OF CONSTRUCTION
---	ROW

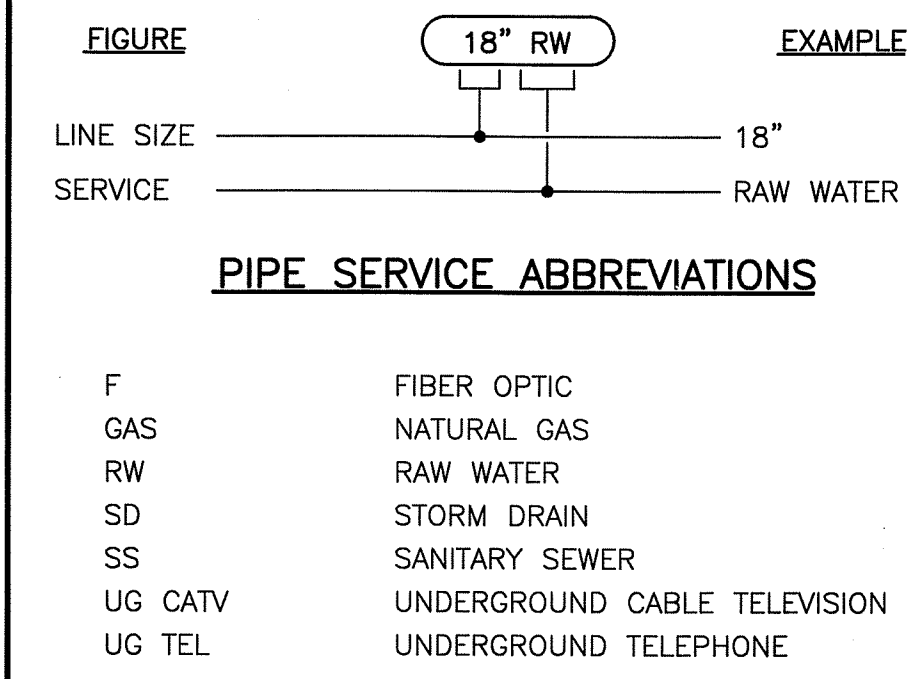
MATERIALS IN PLAN/SECTION

	ACOUSTICAL CEILING TILE (SECTION)
	ASPHALT (PLAN OR SMALL-SCALE SECTION)
	ASPHALT (LARGE-SCALE SECTION)
	BATT INSULATION (SECTION)
	BRICK MASONRY (PLAN AND/OR SECTION)
	CHECKERED PLATE (PLAN)
	CONCRETE (PLAN AND/OR SECTION)
	CONCRETE MASONRY (PLAN AND/OR SECTION)
	DEMOLITION (PLAN AND/OR SECTION)
	EARTH (SECTION)
	FILTER POINT MAT (PLAN)
	FINISHED WOOD (SECTION)
	GLULAM LUMBER (SECTION)
	GRANULAR FILL (SECTION)
	GRATING (SECTION)
	GRATING (PLAN)
	GROUT (SECTION)
	GYPSUM BOARD (SECTION)
	METAL (SECTION)
	ORIENTED STRAND BOARD (SECTION)
	PARTICLE BOARD (SECTION)
	PLYWOOD (LARGE-SCALE SECTION)
	PLYWOOD (SMALL-SCALE SECTION)
	PRECAST CONCRETE (PLAN AND/OR SECTION)
	RIGID INSULATION (SECTION)
	RIPRAP (PLAN AND/OR SECTION)
	SAND (SECTION)
	SOD (SECTION)
	WEEP JOINT MORTAR PROTECTION SYSTEM (SECTION)
	WOOD - CONTINUOUS (SECTION)
	WOOD BLOCKING (SECTION)

GENERAL SYMBOLOGY



PIPE SERVICE SYMBOLOGY



GENERAL NOTES:

- THIS IS A STANDARD SHEET SHOWING COMMON SYMBOLOGY FOR THE RAW WATER PIPELINE ONLY. ALL SYMBOLS ARE NOT NECESSARILY USED ON THIS PROJECT.
- SCREENING OR SHADING OF WORK IS USED TO INDICATE EXISTING COMPONENTS OR TO DE-EMPHASIZE PROPOSED IMPROVEMENTS TO HIGHLIGHT SELECTED TRADE WORK. REFER TO CONTEXT OF EACH SHEET FOR USAGE.

54-5008

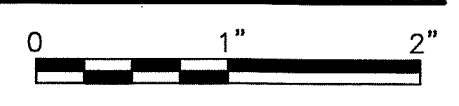
FILE: 63277_W02.dwg
DATE: May 18, 2009 - 3:26:44pm - pvanmeu



PROJECT MANAGER	R. STRATTON
DESIGNED	T. THITTHANYANONT
DESIGNED	R. STRATTON
CHECKED	K. HENDERSON
DRAWN BY	P. VAN MEURS
PROJECT NUMBER	343957-63277-141



CITY OF LODI
RAW WATER PIPELINE



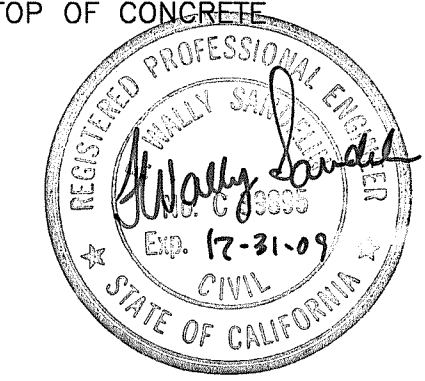
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SCALE	NONE		W-2

54-5009

FILE: 63277_W01.dwg
DATE: Apr 07, 2009-11:55:20am, pvarmura

A/C A/E AMPERE AB ABANDON ABC ABT AC ACK ACCP ACST AD ADL ADH ADJ AF AFF AFG AGGR AI AIC ALIG ALT ALUM AM AMB ANC AO AP APRX APVD ARCH ASSY AT ATC ATM AUTO AUX AVE AVG AWG AWT	AIR CONDITIONING ARCHITECT/ENGINEER ANCHOR ANCHOR BOLT AGGREGATE BASE COURSE ALTERNATING CURRENT ACQUICK ACOUSTIC CEILING PANEL, ASPHALTIC CONCRETE PAVEMENT ACOUSTIC ADDENDUM, AREA DRAIN ADDITIONAL ADHESIVE ADJUSTABLE, ADJACENT AMP FRAME, AMP FUSE ABOVE FINISH FLOOR ABOVE FINISH GRADE AGGREGATE AREA INLET, ANALOG INPUT AMPS INTERRUPTING CAPACITY ALIGNMENT ALTERNATE, ALTITUDE ALUMINUM ACOUSTICAL MATERIAL AMBIENT ANCHOR ANALOG OUTPUT ACCESS PANEL APPROXIMATE APPROVED ARCHITECTURAL ASSEMBLY ACOUSTICAL TILE, AMP TRIP ACOUSTICAL TILE CEILING ATMOSPHERE AUTOMATIC AUXILIARY AVENUE AVERAGE AMERICAN WIRE GAGE ACOUSTICAL WALL TILE	CLG CLJ CLK CLKG CLR CMH CMP CMU CO COL COM COMM COMB COMP CON CONC CONN CONST CONT COOR CORR CP CPLG CRL CSC CSK CSS CT CTR CTRL CVT CU CW	CEILING CONTROL JOINT CAULKING CLEAR COMMUNICATION MANHOLE CORRUGATED METAL PIPE CONCRETE MASONRY UNIT CLEANOUT, CONCRETE OPENING COLUMN COMMON COMBINATION COMMUNICATION COMPOSITION, COMPRESSIBLE, COMPOSITE CONCENTRIC CONCRETE CONNECTION CONSTRUCTION CONTINUOUS COORDINATE CORROSION, CORRUGATED CHECKER PLATE, CONTROL POINT COUPLING CORROSION-RESISTANT LINING COMPRESSION SLEEVE COUPLING COUNTERSINK CLINIC SERVICE SINK CERAMIC TILE ANCHOR CONTROL CULVERT COPPER, CUBIC CLOCKWISE CUBIC YARD	F TO F F&B FAB FB FBD FBG FBM FBO FC FCA FD FDC FDR FDTN FE FEC FES FEXT FF FFC FG FH FIG FIN FJ FJT FLEX FLG FLOR FLR FLS FN FNB FOC FOF FOM FOS FOT FPT FR FRP FRM FS FT FTG FUR FURN FUT FV FW FWD FWE FXTR	FACE TO FACE FACE AND BYPASS FABRICATE FLOOR BEAM FIBERBOARD FIBERGLASS BOARD FOOT MEASURE FURNISHED BY OWNER FLUSHING CONNECTION FLANGED COUPLING ADAPTER FLOOR DRAIN FLEXIBLE DUCT CONNECTION FEEDER FOUNDATION FLANGED END FIRE EXTINGUISHER CABINET FLARED END SECTION FIRE EXTINGUISHER FAR FACE, FACTORY FINISH, FLAT FACE FINISHED FLOOR ELEVATION FINISHED GRADE FIRE HYDRANT FIGURE FINISH FLUSH JOINT FLOW LINE FLEXIBLE FLANGE FLUORESCENT FLOOR FLASHING, FLUSH FENCE FIBER OPTIC, FINISHED OPENING FLAT ON BOTTOM FACE OF CONCRETE, FACE OF CURB FACE OF FINISH FACE OF MASONRY FACE OF STUDS FLAT ON TOP FEMALE PIPE THREAD FRAME FIBERGLASS REINFORCED PLASTIC FIRE RETARDANT TREATED MATERIAL FLOOR SINK, FAR SIDE FEET, FOOT FOOTING, FITTING FURRED, FURRING FURNITURE, FURNISH FUTURE FACE VELOCITY FIELD WELD, FIRE WALL FORWARD FURNISHED WITH EQUIPMENT FURNITURE	ID IE IF IH IMP IN INC INF INSTR INSUL INT INTR INV IPS IPT IR IRR ISO	INSIDE DIAMETER, INTERIOR DIMENSION INVERT ELEVATION INSIDE FACE INTAKE HOOD IMPACT INCH INCLUDE, INCANDESCENT INFLEUENT INSTRUMENTATION INSULATION INTERIOR, INTERSECTION INTERMEDIATE, INTERIOR INVERT IRON PIPE SIZE INTERNAL PIPE THREAD INSIDE RADIUS, IRON ROD IRRIGATION ISOMETRIC	JB JCT JF JST JT	JUNCTION BOX JUNCTION JOINT FILLER JOIST JOINT	K KB KCMIL KD KO KSI KW	KIP KNEE BRACE THOUSAND CIRCULAR MILS KNOCK DOWN KNOCK OUT KIPS PER SQUARE INCH KILOWATT	L LAD LAM LATL LBT LCTB LDG LDR LE LF LFG LH LJ LQ LLH LLV LMLU LNG LOC LP LPS LR LT LTD LTI LTL LTNG LV LVL LVR LW LWC LWL	ANGLE, LENGTH, LAVATORY LADDER LAMINATE LATERAL LIFT BOLT, POUND LIQUID CHALK AND TACK BOARD LANDING LEADER LIFTING EYE LINEAR FOOT LONG LEFT HAND LINEAR LIQUID LONG LEG HORIZONTAL LONG LEG VERTICAL LIQUID MARKER LECTURE UNIT LONGITUDINAL LOCATION LOW POINT LOW-PRESSURE SODIUM LONG RADIUS LIMITED LIGHTING LIFT LIGHTNING LOW VOLTAGE LAMINATED VENEER LUMBER LOUVER LIGHTWEIGHT LIGHTWEIGHT CONCRETE LOW WATER LEVEL	MA MACH MAINT MAN MATL MAX MB MBR MC MCB MCJ MDMJ MECH MED MFR MH MINUM MIR MISC MJ MLO MMB MO MOD MON MPT MRGWB MS MSL MT MU MULL MV MW	MIXED AIR MACHINED MAINTENANCE GRADE MATERIAL MAXIMUM MACHINE BOLT MEMBER MECHANICAL CONTRACTOR, MECHANICAL COUPLING METAL CORNER BEAD MASONRY CONTROL JOINT MODIFIED DOUBLE MECHANICAL JOINT MECHANICAL MEDIUM MANUFACTURER MANHOLE, METAL HALIDE MINIMUM MIRROR MISCELLANEOUS MECHANICAL JOINT MAIN LUGS ONLY MEMBRANE MASONRY OPENING MODULAR, MODIFY MONUMENT MALE PIPE THREAD MOISTURE-RESISTANT GYPSUM WALLBOARD MOP SINK MEAN SEA LEVEL MOUNT MASONRY UNIT MULLION MEDIUM VOLTAGE MONITORING WELL	N NA NAT NC NEG NF NIC NO NOM NPS NPT NS NTS NWL	NORTH, NEUTRAL NOT APPLICABLE NATURAL, NATIONAL NORMALLY CLOSED NEGATIVE NEAR FACE, NON-FUSED NOT IN CONTRACT NORMALLY OPEN, NUMBER NOMINAL NOMINAL PIPE SIZE NATIONAL PIPE THREAD NEAR SIDE NOT TO SCALE NORMAL WATER LEVEL	O TO O OA OC OCPD OD OED OF OFCI OFOI OGI OH OPNG OPP OPT OR ORF ORIG OVFL OVHG OZ	OUT TO OUT OVER CENTER OVER CURRENT PROTECTION DEVICE OUTSIDE DIAMETER OPEN END DUCT OUTSIDE FACE, OFFICE FURNISHING OWNER FURNISHED CONTRACTOR INSTALLED ORIGINAL OWNER INSTALLED ORIGINAL GROUND OVERHEAD OPENING OPPOSITE OPTIONAL OUTSIDE RADIUS OVERFLOW ROOF DRAIN ORIGINAL OVERFLOW OVERHANG OUNCE	P PA PAR PB PBD PC PCC PP PCT PE PED PEN PERF PERM PERP PF PFMU PH PI PKG PL PLAS PLAT PLBG PLF PNEU POL POS PP PRC PRF PRFAB PRELIM PREP PRES PRI PROP PROT PS PSF PSI PSIA PSIG PST PT PTN PVT PVMT PWD PWJ PZ	PAINT PUBLIC ADDRESS PARALLEL, PARAPET PANIC BAR, PULL BOX PARTICLE BOARD POINT OF CURVE, PIECE, PRECAST POINT OF COMPOUND CURVATURE POUNDS PER CUBIC FOOT PERCENT PLAIN END PEDESTAL PENETRATION PERFORATED PERMANENT PERPENDICULAR POWER FACTOR PREFACED MASONRY UNIT PHASE POINT OF INTERSECTION PACKAGE PLATE, PROPERTY LINE PLASTER PLATFORM PLUMBING POUNDS PER LINEAR FOOT PNEUMATIC POLISH POSITIVE POSITION POLYPROPYLENE, POWER POLE POINT OF REVERSE CURVATURE PREFINISHED PREFABRICATED PRELIMINARY PREPARE PRESSURE PRIMARY PROPERTY, PROPOSED PROTECTION PIPE SUPPORT POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH POUNDS PER SQUARE INCH GAGE PRESTRESSED POINT, POINT OF TANGENCY PARTITION POLYVINYL CHLORIDE, POINT OF VERTICAL CURVE PAVEMENT PLYWOOD PLYWOOD WEB JOIST PIEZOMETER	R&R R&S R RA RB RCPT RD REC RECD RECT RED REF REIN REM REQD RESIL RET RFV RF RFG RFL RGH RGS RGS-PVC RH	REMOVE AND REPLACE REMOVE AND SALVAGE RADIUS, REGISTER, RISER RETURN AIR RESILIENT BASE, ROCK BERM RECEPACLE ROOF DRAIN RECESS RECTANGULAR REDUCER REFERENCE REINFORCING REMOVE REQUIRED RESILIENT RETAINING, RETURN REVISION, REVERSE RESILIENT FLOORING ROOFING REFLECTED, REFLECTOR ROUGH RIGID GALVANIZED STEEL PVC COATED RGS RELIEF HOOD, RIGHT HAND, RELATIVE HUMIDITY REQUIRED LAP RELIEF ROUND RUNNING ROUGH OPENING RIGHT-OF-WAY REVOLUTIONS PER MINUTE RAILROAD ROCK SLOPE PROTECTION RIGHT RESILIENT VINYL TILE READY	S SA SAMU SAN SB SC SCHM SCN SE SEC SECT SEP SF SG SH SHT SHTG SIL SIM SLAS SLTD SLV SMLS SOG SP SPA SPC SPLY SPST SPT SQ SR SS SST ST STA STD STIF STIR STL STOR STR SUB SUC SUSP SYM SYMM SYN SYS	SOUTH, SINK SUPPLY AIR SOUND-ABSORBING MASONRY UNIT SANITARY SPLASH BLOCK SOLID CORE SCHEDULE SCHEMATIC SCREEN STEEL/ALUMINUM EDGE SECONDARY, SECONDS SECTION SEPARATE SQUARE FOOT, SILT FENCE SHEET GLASS, SEALANT GROOVE SHOWER SHEET SHEATHING SILENCE SIMILAR SLAB SLOTTED SLEEVE SEAMLESS SLAB ON GRADE SOUNDPROOF, STANDPIPE SPACING SPECIFICATION SUPPLY SINGLE POLE SINGLE THROW SET POINT SQUARE SHORT RADIUS SERVICE SINK STAINLESS STEEL STREET STATION STANDARD STIFFENER STIRRUP STEEL STORAGE STRUCTURAL, STRAIGHT SUBSTITUTE SUCTION SUSPENDED SQUARE YARD SYMBOL SYMMETRICAL SYNTHETIC SYSTEM	TOD TOF TOG TOL TOM TOP TOPO TOS TOW TP TPD TPG TR TRANS TRD TRPA	TOP OF DUCT TOP OF FOOTING TOP OF GRATING TOLERANCE, TOP OF LEDGER TOP OF MASONRY TOP OF PLATE TOPOGRAPHY TOP OF SLAB, TOP OF STEEL, TOE OF SLOPE TOP OF WALL TOILET PARTITION, TELEPHONE POLE, TOE PLATE, TRAP PRIMER TOILET PAPER DISPENSER TOPPING, THROUGH PLATE GIRDER TRANSOM TRANSITION TRENCH DRAIN TAHOE REGIONAL PLANNING AGENCY TYPICAL	U UG ULT UNFN UNO UTIL	URINAL UNDERGROUND ULTIMATE UNFINISHED UNLESS NOTED OTHERWISE UTILITY	V VA VAC VAR	VENT, VELOCITY, VOLT VOLT AMPERE VACUUM VARNISH, VARIABLE, VOLT AMPERES REACTIVE VAPOR BARRIER, VINYL BASE, VALVE BOX VERTICAL CURVE VITRIFIED CLAY PIPE VINYL COMPOSITION TILE, VERTICAL CENTERLINE	VEL VENT VERT VG VIF VIN VOL VPC VPI VPT VS VTR VWC	VELOCITY VENTILATION VERTICAL VERTICAL GRAIN VERIFY IN FIELD VINYL VOLUME VERTICAL POINT OF CURVATURE VERTICAL POINT OF INTERSECTION VERTICAL POINT OF TANGENCY VERSUS, VAPOR SEAL VENT THROUGH ROOF VINYL WALL COVERING	W/ W/O W	WITH WITHOUT WATT, WEST, WIDE, WINDOW, WIRE, WIDE FLANGE BEAM WOOD BASE WOOD CLOSET, WATER COLUMN WOOD, WIDTH WIDE FLANGE, WASH FOUNTAIN WIRE GLASS, WATER GAGE WALL HYDRANT, WEEP HOLE WROUGHT IRON WATER LEVEL WELDED WATER METER, WIRE MESH WEATHERPROOF WATERSTOP, WATER SURFACE WAINSCOT WEIGHT, WATER TIGHT WATERPROOF, WORKING POINT WATER TREATMENT PLANT WATER VALVE WELDED WIRE FABRIC	XP XS XSECT XXS	EXPLOSION-PROOF EXTRA STRONG CROSS SECTION DOUBLE EXTRA STRONG	YH YS	YARD HYDRANT YIELD STRENGTH
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- GENERAL NOTES:**
- THESE ABBREVIATIONS APPLY TO THE RAW WATER PIPELINE DRAWINGS ONLY.
 - LISTING OF ABBREVIATIONS DOES NOT IMPLY THAT ALL ABBREVIATIONS ARE USED IN THE CONTRACT DRAWINGS.
 - ABBREVIATIONS SHOWN ON THIS SHEET INCLUDE VARIATIONS OF A WORD. FOR EXAMPLE, "MOD" MAY MEAN MODIFY OR MODIFICATION; "INC" MAY MEAN INCLUDED OR INCLUDING AND "REIN" MAY MEAN EITHER REINFORCE OR REINFORCING.



ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	R. STRATTON
DESIGNED	T. THITTHANYANONT
DESIGNED	R. STRATTON
CHECKED	K. HENDERSON
DRAWN BY	P. VAN MEURS
PROJECT NUMBER	343957-63277-141



CITY OF LODI
RAW WATER PIPELINE



FILENAME	63277_W01.dwg	SHEET	25 of 31
SCALE	NONE		

W-1

ROADSIDE SIGN QUANTITY SUMMARY

DESCRIPTION	RELOCATE ROADSIDE SIGNS	INSTALL ROADSIDE SIGNS
	EA	EA
PD-1	4	5
PD-2	9	
TOTAL	13	5

UTILITY QUANTITY SUMMARY

DESCRIPTION	8" SEWER PIPE	SANITARY SEWER MANHOLE	ADJUST FRAME AND COVER TO GRADE		MODIFY SANITARY SEWER MANHOLE	40" JACKED & BORED WELDED STEEL CASING
			WATER VALVE	SSCO		
	LF	EA	EA	EA	EA	LF
DU-1			3			124
DU-2	49	1		2	1	
DU-3						
TOTAL	49	1	5		1	124

STORM DRAIN QUANTITY SUMMARY

DESCRIPTION	CICB (TYPE 2)	12" PVC STORM DRAIN PIPE	12" RCP STORM DRAIN PIPE	18" RCP STORM DRAIN PIPE	24" RCP STORM DRAIN PIPE	48" STORM DRAIN MANHOLE	60" STORM DRAIN MANHOLE	STORM WATER TREATMENT UNIT	REMOVE PIPE	18" STORM DRAIN DROP INLET CATCH BASIN
	EA	LF	LF	LF	LF	EA	EA	EA	LF	EA
DU-1	2		53	39	348	2	2	1		
DU-2	2		52	315	223	1			102	
DU-3	3	15	125	60		2			38	1
TOTAL	7	15	230	414	571	5	2	1	140	1

CONCRETE QUANTITY SUMMARY

LOCATION - DESCRIPTION	SIDE	MINOR CONCRETE (VERTICAL CURB & GUTTER)	MINOR CONCRETE (TYPE F CURB & GUTTER)	MINOR CONCRETE (PEDESTRIAN RAMP)	MINOR CONCRETE (SIDEWALK)	MINOR CONCRETE (DWC TYPE 2)	MINOR CONCRETE (STAMPED CONCRETE)	MINOR CONCRETE (PCC PAVEMENT)
		LF	LF	EA	SY	SY	SY	CY
"LS1" 100+88.95 TO 101+66.23	RT	78			42		40	
"LS1" 100+96.52 TO 102+62.01	LT	158			147		24	
"LS1" 101+84.42 TO 104+50.00	RT	222			219	52	22	
"LS1" 102+76.07 TO 104+50.00	LT	183			141		38	
"LS1" 104+50.00 TO 105+56.09	LT	120		1	89			
"LS1" 104+50.00 TO 108+87.23	RT	482		1	267	122		
"LS1" 106+00.14 TO 109+76.48	LT	414		2	297	34		
"LS1" 108+87.23 TO 111+45.87	RT	259			196	33		
"LS1" 110+20.52 TO 111+43.75	LT	148		1	113			
"LS1" 101+00.20 TO 101+85.29	MEDIAN		184				90	
"LS1" 102+43.02 TO 103+75.00	MEDIAN		195				96	
ACADEMY ST CROSSWALK								15
CAROLINA ST CROSSWALK								10
TOTAL		2064	379	5	1511	241	310	25

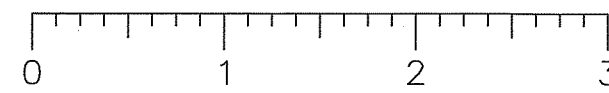
INTERLOCKING PAVERS SUMMARY

DESCRIPTION	SIDEWALK	CROSSWALK
	SF	SF
ACADEMY ST CROSSWALK		807
CAROLINA ST CROSSWALK		386
SW CORNER - ACADEMY ST	238	
NW CORNER - ACADEMY ST	228	
SW CORNER - CAROLINA ST	245	
SE CORNER - CAROLINA ST	143	
TOTAL	854	1193

Q-2

BEFORE EXCAVATING
CALL U.S.A.
UNDERGROUND SERVICE ALERT
800-227-2600
TOLL FREE
2 WORKING DAYS BEFORE ALL
PLANNED WORK OPERATIONS

ORIGINAL SCALE IN INCHES
FOR REDUCED PLAN



Revision No.	Description	Date	By	Approved By



MARK THOMAS & COMPANY, INC.
7300 FOLSOM BOULEVARD, SUITE 203
SACRAMENTO, CALIFORNIA 95826
(916) 381-9100



DEPARTMENT OF PUBLIC WORKS
SAN JOAQUIN COUNTY, CALIFORNIA

DRAWN BY K. DAVIS	DATE 5/21/09	PROJECT ENGINEER J. PANGBURN	DATE 5/21/09	CHECKED C. ROCKWAY	DATE 5/29/09	APPROVAL RECOMMENDED <i>Najee Zaid</i>	DATE 5/29/09	COUNTY OF SAN JOAQUIN	SCALE: NO SCALE	QUANTITIES	LOWER SACRAMENTO ROAD IMPROVEMENTS TURNER ROAD TO WOODBRIDGE ROAD - PHASE 2	SHEET NO. 24	TOTAL SHEETS 31
FILE NAME	DRAWER	SHEET NO.	ACAD	REVISIONS	DATE								

SU-5010

MISC. REMOVE QUANTITY SUMMARY

LOCATION - DESCRIPTION	REMOVE CATCH BASIN	REMOVE TREE
	EA	EA
"A" 19+52.70 LT	1	
TREE NUMBER 33		1
TREE NUMBER 37		1
TREE NUMBER 38		1
TREE NUMBER 41		1
TREE NUMBER 42		1
TOTAL	1	5

REMOVE CONCRETE

LOCATION - DESCRIPTION	CURB	CEMETARY GATE	MOBILE HOME FOUNDATION
	SY	SY	SY
"LS1" 100+88.95 TO 101+51.60	3		
"LS1" 103+06.11 TO 103+10.51		2	
"LS1" 105+92.19 TO 106+03.28			14.8
"LS1" 106+19.39 TO 106+59.50			58.2
"LS1" 106+72.60 TO 107+17.12			46.2
"LS1" 107+45.73 TO 107+85.44			60.3
TOTAL	3	2	180
GRAND TOTAL (SY)	185		

FENCE QUANTITY SUMMARY

LOCATION - DESCRIPTION	CHAIN LINK FENCE SCREENING	RELOCATE FENCE (CHAIN LINK)
	W/ LF	LF
"LS1" 104+67.62 TO 104+91.93 RT	24	
"LS1" 105+11.53 TO 105+72.61 RT	61	
"LS1" 105+96.91 TO 107+00.03 RT	103	
"LS1" 106+37.10 TO 107+17.03 LT	80	
"LS1" 107+23.69 TO 108+49.35 RT	126	
"LS1" 107+47.60 TO 107+93.50 LT	46	
"LS1" 108+82.73 TO 110+06.29 RT	124	
"LS1" 100+96.05 TO 101+95.63 RT		100
TOTAL	564	100

ROADWAY QUANTITY SUMMARY

LOCATION - DESCRIPTION	AGGREGATE BASE CLASS 2	ASPHALT CONCRETE (TYPE B)	ASPHALT CONCRETE (MISC AREA)	COLD PLANE ASPHALT CONCRETE	ROADWAY EXCAVATION	AC DIKE (TYPE A)
	CY	TON	SY	SY	CY	LF
"LS1" 101+31.46 TO 101+66.23					60	
"LS1" 101+71.73 TO 102+00.92					126	
"LS1" 102+30.27 TO 104+00.00					594	
"LS1" 104+11.66 TO 104+27.66			16		240	
"LS1" 104+27.66 TO 106+00.14			53		700	15
"LS1" 107+02.03 TO 107+45.10			67		608	
"LS1" 108+51.35 TO 108+80.73			31		386	
"LS1" 109+76.53 TO 109+81.13					248	16
"LS1" 110+02.99 TO 110+32.29			27		130	48
"LS1" 110+25.13 TO 111+45.79		45		210	191	
"LS1" 100+88.95 TO 103+00.00	309	220				
"LS1" 103+00.00 TO 105+00.00	308	256				
"LS1" 105+00.00 TO 109+00.00	675	562				
"LS1" 109+00.00 TO 111+45.79	381	308				
"LS1" 100+18.95 TO 100+88.95				450		
"A" 19+15.80 TO 19+40.35				71	95	
"C" 28+98.66 TO 29+27.63				67	128	
AC RAMPS AND SWALES		85	113			
TOTAL	1673	1476	307	798	3506	79

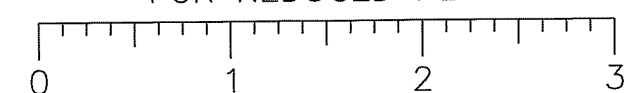
PAVEMENT DELINEATION QUANTITY SUMMARY

LOCATION - DESCRIPTION	THERMOPLASTIC PAVEMENT MARKING	THERMOPLASTIC 4" TRAFFIC STRIPE	THERMOPLASTIC 6" TRAFFIC STRIPE	THERMOPLASTIC 8" TRAFFIC STRIPE	PAVEMENT MARKERS (REFLECTIVE)	OBJECT MARKERS (TYPE K-1)
	SF	LF	LF	LF	LF	EA
"LS1" 100+18.95 TO 101+00.25	173	348	163		14	
"LS1" 101+05.58 TO 101+79.37	36				32	1
"LS1" 101+79.37 TO 102+49.05		220			20	1
"LS1" 102+49.05 TO 103+27.71	123				24	2
"LS1" 103+27.71 TO 104+85.50	168	629			18	
"LS1" 104+85.50 TO 105+46.50	63	120		40	11	
"LS1" 106+13.50 TO 109+06.04	286	1170			38	
"LS1" 109+06.04 TO 109+66.04	15	120		40	11	
"LS1" 109+66.04 TO 111+85.50	146	580			18	
"C" 29+03.51 TO 29+63.37	65	120			8	
"A" 19+15.64 TO 19+65.42	65	102			8	
SUBTOTAL		3409	163	80		
TOTAL	1140		3652		202	4

Q-1

BEFORE EXCAVATING CALL U.S.A. UNDERGROUND SERVICE ALERT 800-227-2600 TOLL FREE 2 WORKING DAYS BEFORE ALL PLANNED WORK OPERATIONS

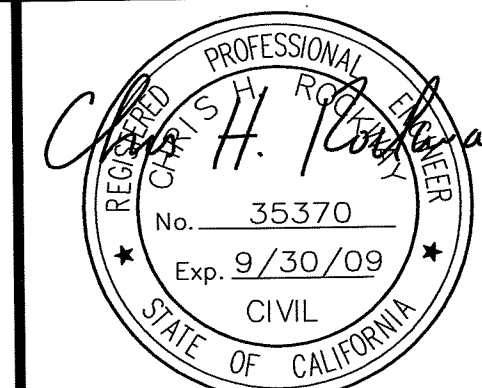
ORIGINAL SCALE IN INCHES FOR REDUCED PLAN



Revision No.	Description	Date	By	Approved By



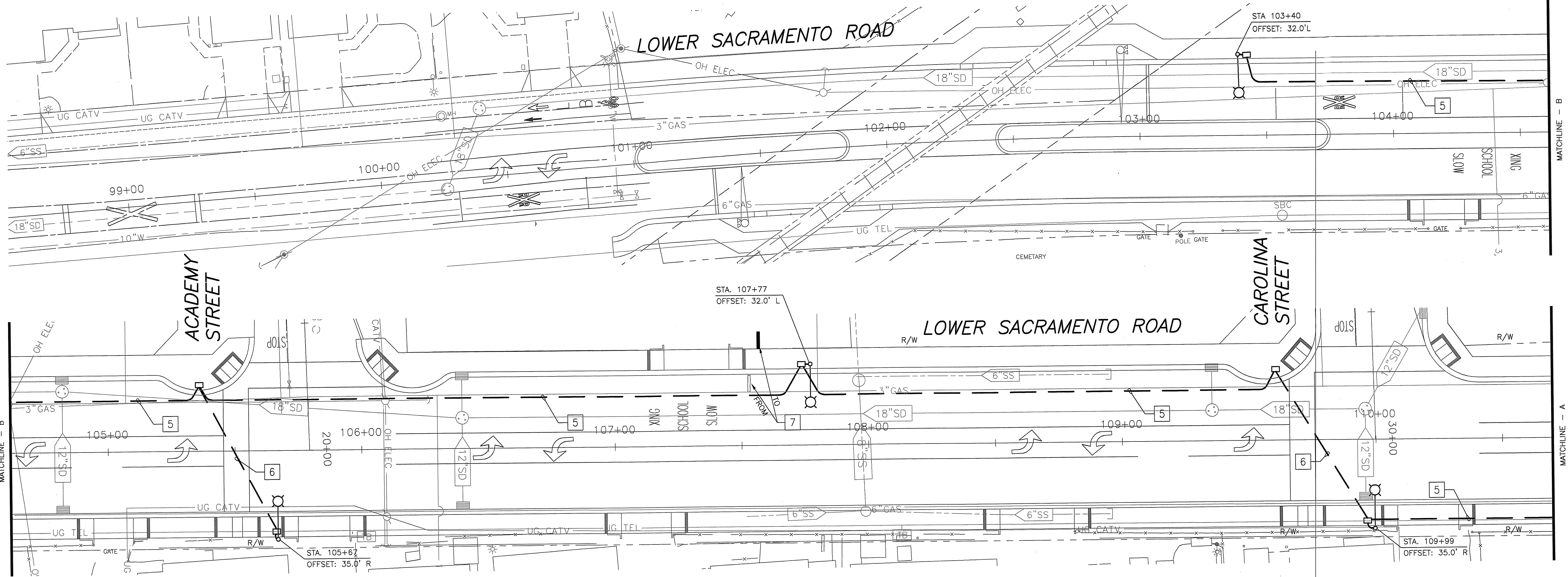
MARK THOMAS & COMPANY, INC.
7300 FOLSOM BOULEVARD, SUITE 203
SACRAMENTO, CALIFORNIA 95826
(916) 381-9100



DEPARTMENT OF PUBLIC WORKS
SAN JOAQUIN COUNTY, CALIFORNIA

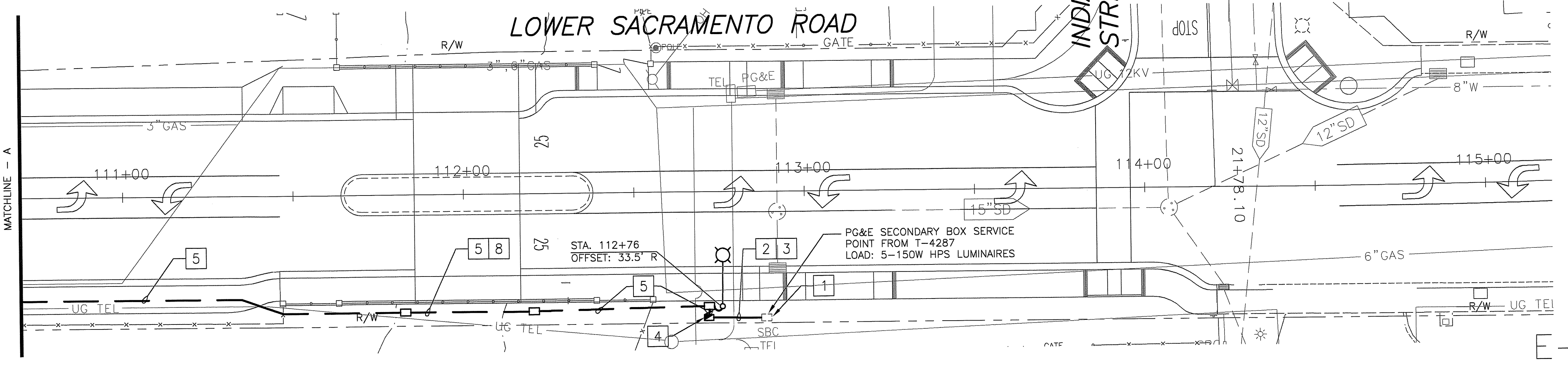
DRAWN BY	DATE	PROJECT ENGINEER	DATE	CHECKED	DATE	APPROVAL RECOMMENDED	DATE
K. DAVIS	5/21/09	J. PANGBURN	5/21/09	C. ROCKWAY	5/21/09	<i>[Signature]</i>	5/21/09
FILE NAME	DRAWER	SHEET NO.	ACAD	REVISIONS	DATE		

COUNTY OF SAN JOAQUIN	SCALE:	QUANTITIES	LOWER SACRAMENTO ROAD IMPROVEMENTS TURNER ROAD TO WOODBRIDGE ROAD - PHASE 2	SHEET NO. 23	TOTAL SHEETS 31
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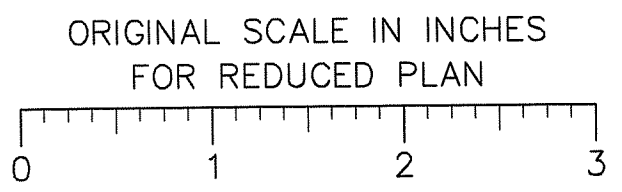
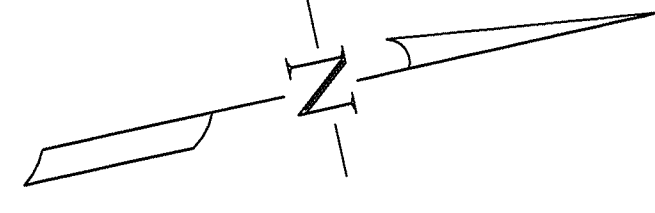
PROJECT NOTES (THIS SHEET ONLY):

- 1 CONTRACTOR TO COORDINATE WITH PG&E REPRESENTATIVE FOR FINAL SERVICE CONNECTION.
- 2 3\"/>



SA-5012

BEFORE EXCAVATING
CALL U.S.A.
UNDERGROUND SERVICE ALERT
800-227-2600
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PLANNED WORK OPERATIONS

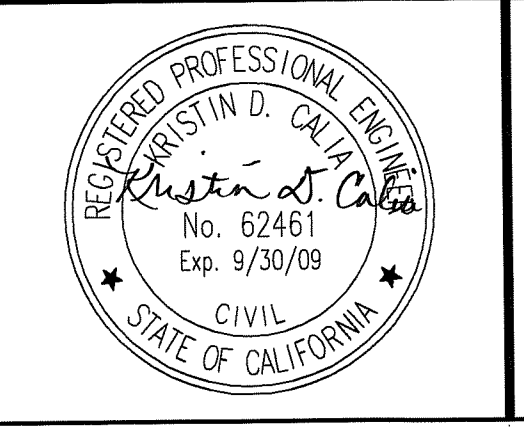


Revision No.	Description	Date	By	Approved By

fp
FEHR & PEERS
TRANSPORTATION CONSULTANTS

2990 Lava Ridge Court
Suite 200
Roseville, CA 95661
(916) 773-1900

Walnut Creek, CA Orange County, CA
 Roseville, CA Los Angeles County, CA
 San Jose, CA Salt Lake City, UT
 San Francisco, CA Reno, NV
 Sacramento, CA Denver, CO
 Seattle, WA



DEPARTMENT OF PUBLIC WORKS
SAN JOAQUIN COUNTY, CALIFORNIA

DRAWN BY	DATE	PROJECT ENGINEER	DATE	CHECKED	DATE	SUBMITTED	DATE	APPROVAL RECOMMENDED	DATE
J. MOORE	8/08	K. CALIA	4/09	K. CALIA	4/09			<i>[Signature]</i>	5/24/09
FILE NAME	DRAWER	SHEET NO.	ACAD	REVISIONS	DATE				

COUNTY OF SAN JOAQUIN SCALE: 1"=20' ELECTRICAL PLANS




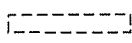

LOWER SACRAMENTO ROAD IMPROVEMENTS
TURNER ROAD TO WOODBRIDGE ROAD - PHASE 2

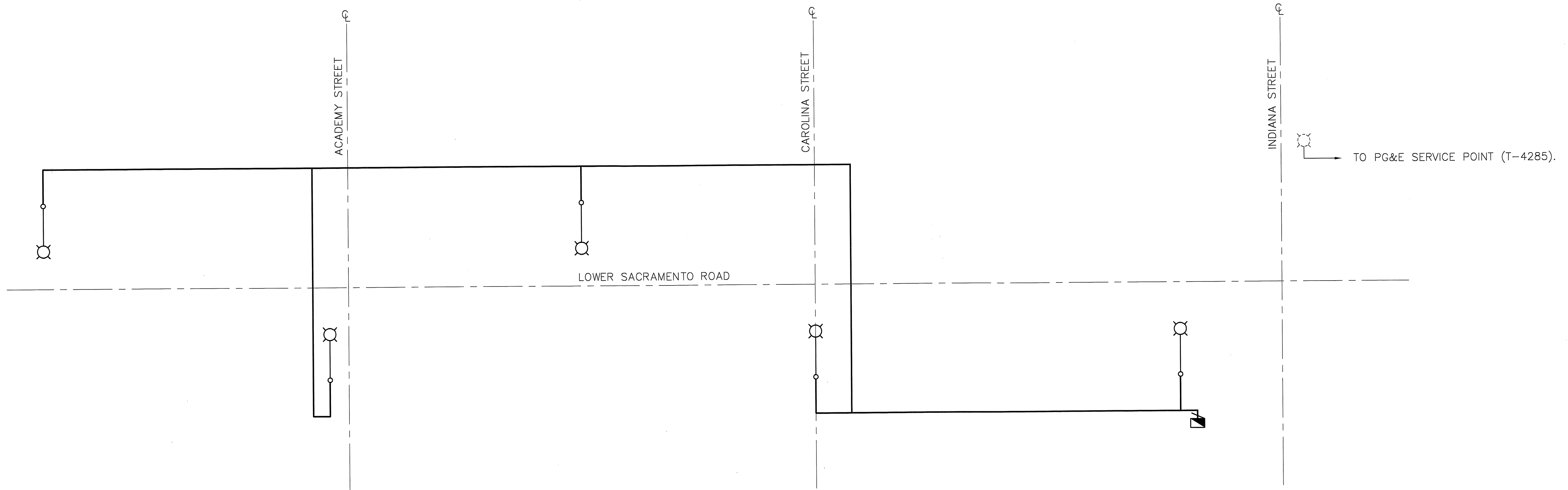
SHEET NO.	TOTAL SHEETS
22	31

GENERAL NOTES:

1. WORK ON THESE PLANS SHALL BE PERFORMED IN CONFORMANCE WITH THE MAY 2006 EDITION OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD SPECIFICATIONS, STANDARD PLANS, SAN JOAQUIN COUNTY IMPROVEMENT STANDARDS, AND THE SPECIAL PROVISIONS OF THIS PROJECT.
2. LOCATIONS OF LIGHTING STANDARDS, CONDUITS, PULL BOXES, SERVICE ENCLOSURES AND OTHER EQUIPMENT ARE APPROXIMATE. LOCATIONS MAY BE CHANGED, AS DIRECTED BY THE ENGINEER, TO SUIT FIELD CONDITIONS.
3. CONTRACTOR SHALL VERIFY OVERHEAD AND UNDERGROUND CLEARANCE REQUIREMENTS WITH P.G.&E., SBC, AND OTHER AFFECTED UTILITIES PRIOR TO THE START OF THE WORK.
4. THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.
5. ALL PULL BOXES SHALL BE NO. 5 UNLESS OTHERWISE NOTED.

LEGEND

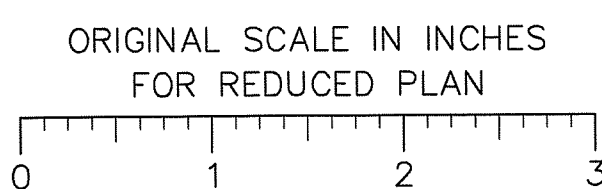
-  TYPE 15 LIGHTING STANDARD WITH 12' LUMINAIRE MAST ARM AND 150W HPS LUMINAIRE.
-  EXISTING DECORATIVE STREET LIGHT.
-  SERVICE EQUIPMENT ENCLOSURE LOCATION
-  EXISTING ILLUMINATED SIGN AT CURRENT LOCATION
-  EXISTING ILLUMINATED SIGN AT NEW LOCATION



SCHMATIC CIRCUIT DIAGRAM
NOT TO SCALE

E-1

BEFORE EXCAVATING
CALL U.S.A.
UNDERGROUND SERVICE ALERT
800-227-2600
TOLL FREE
2 WORKING DAYS BEFORE ALL
PLANNED WORK OPERATIONS



Revision No.	Description	Date	By	Approved By

fp
FEHR & PEERS
TRANSPORTATION CONSULTANTS

2990 Lava Ridge Court
Suite 200
Roseville, CA 95661
(916) 773-1800

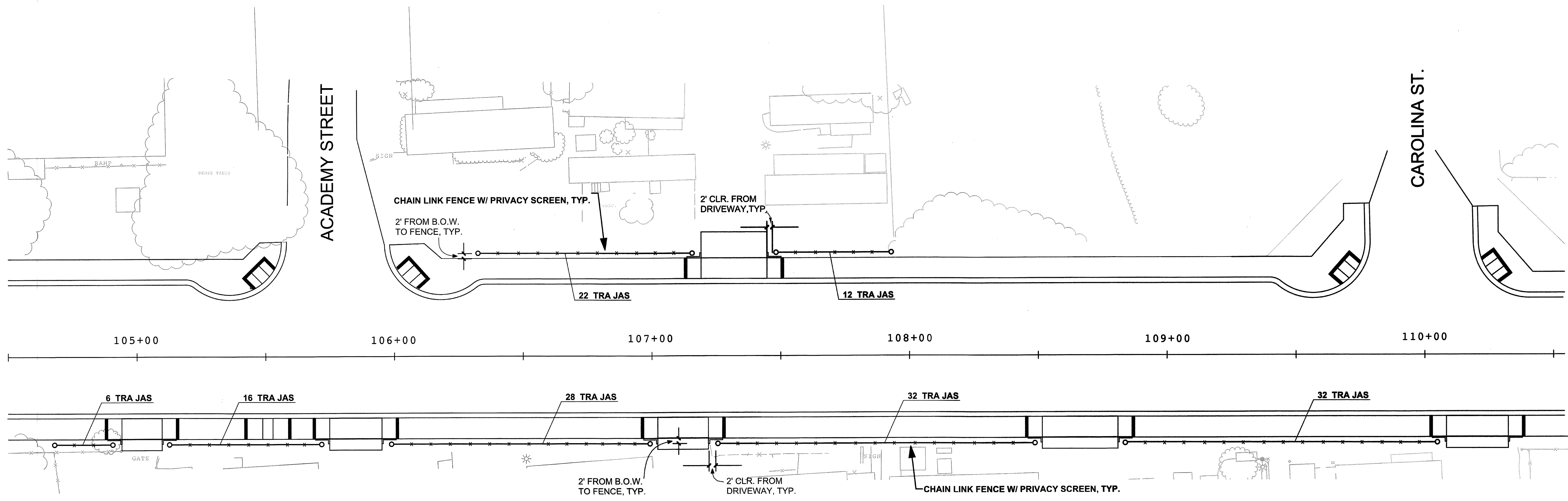
- Walnut Creek, CA
- Orange County, CA
- Roseville, CA
- Los Angeles County, CA
- San Jose, CA
- Salt Lake City, UT
- San Francisco, CA
- Reno, NV
- Sacramento, CA
- Denver, CO
- Seattle, WA



DEPARTMENT OF PUBLIC WORKS
SAN JOAQUIN COUNTY, CALIFORNIA

DRAWN BY <i>J. MOORE</i>	DATE 8/08	PROJECT ENGINEER <i>K. CALIA</i>	DATE 4/09	CHECKED <i>K. CALIA</i>	DATE 4/09	SUBMITTED	DATE	APPROVAL RECOMMENDED <i>[Signature]</i>	DATE 5/24/09	COUNTY OF SAN JOAQUIN	SCALE: N/A	ELECTRICAL PLANS	LOWER SACRAMENTO ROAD IMPROVEMENTS TURNER ROAD TO WOODBRIDGE ROAD - PHASE 2	SHEET NO. 21	TOTAL SHEETS 31
FILE NAME	DRAWER	SHEET NO.	ACAD	REVISIONS	DATE										

Su-5013



SITE PLAN

SCALE: 1" = 20' - 0"

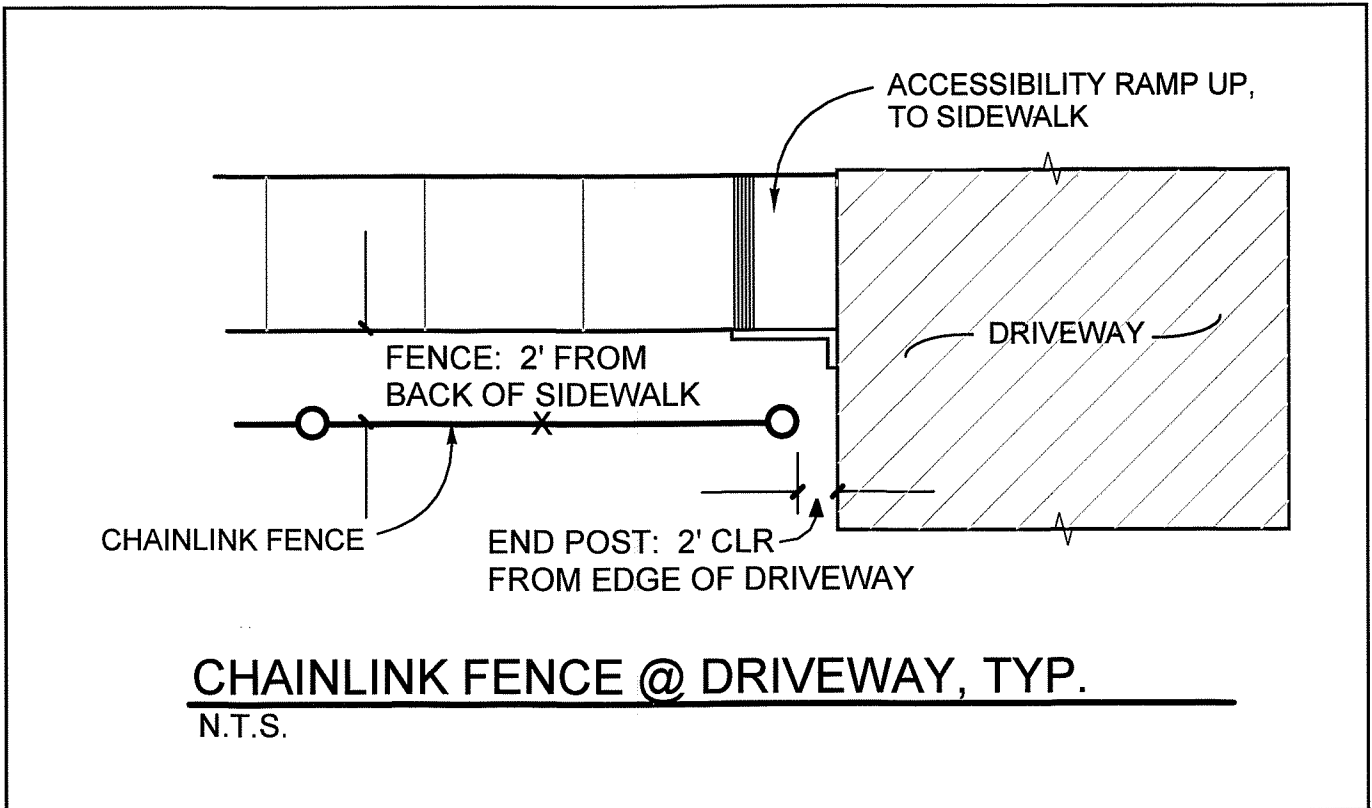
LEGEND

○ x x ○ CHAIN LINK FENCE WITH PRIVACY SCREEN - see Special Provisions. Also see Roadway Plans for exact fencing limits.

NOTE: Posts shall be equally spaced along each span of fencing, at 8' O.C. maximum.

◊ TRA JAS TRACHELOSPERMUM jasminoides / STAR JASMINE - total count: 148 @ 1 gal

NOTE: See Site Plan above for plant counts for each span of fencing. Two (2) vines shall be equally spaced between posts as well as distributed equally along each span of fencing.



NOTE:
IMPORT TOPSOIL TESTS SHALL PRECEDE ALL PLANTING WORK. SEE IMPORTED TOPSOIL SPECIFICATIONS 10-2.4.2.

A) PLANT 2 VINES BETWEEN POSTS - SEE LEGEND NOTE FOR TRACHELOSPERMUM JASMINOIDES

B) SPREAD AND SECURE WITH TREE TIE MATERIAL

C) REMOVE NURSERY STAKE

D) MULCH - 2" DEPTH

E) WATERBASIN - 4" - 6" ABOVE FINISH GRADE

F) ROOTBALL - SET 1-1/2" ABOVE FINISH GRADE

G) GRO-POWER PLANT TABLETS - SEE SPECIFICATIONS

H) BACKFILL MIX - SEE SPECIFICATIONS

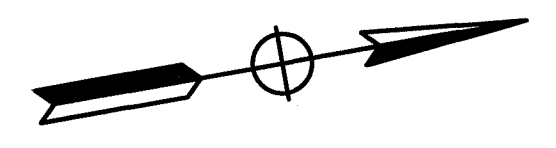
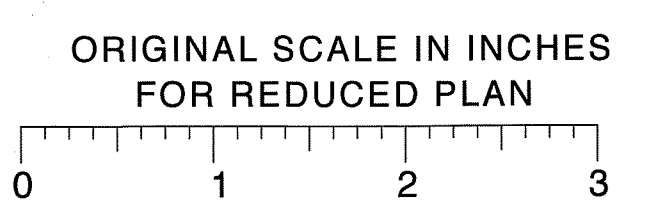
I) SOIL PEDESTAL - (PUDDLE & SETTLE) TO SET SHRUB AT FINISH GRADE

VINE PLANTING
N.T.S.

NOTE: SCARIFY SIDES OF ROOTBALL & PLANT PIT

LS-1

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Revision No.	Description	Date	By	Approved By

DCA

DERIVI
CONSTRUCTION &
ARCHITECTURE, INC.

924 North Yosemite Street
Stockton, California 95203
T209.462.2873 • F209.462.8308
www.dcaia.com

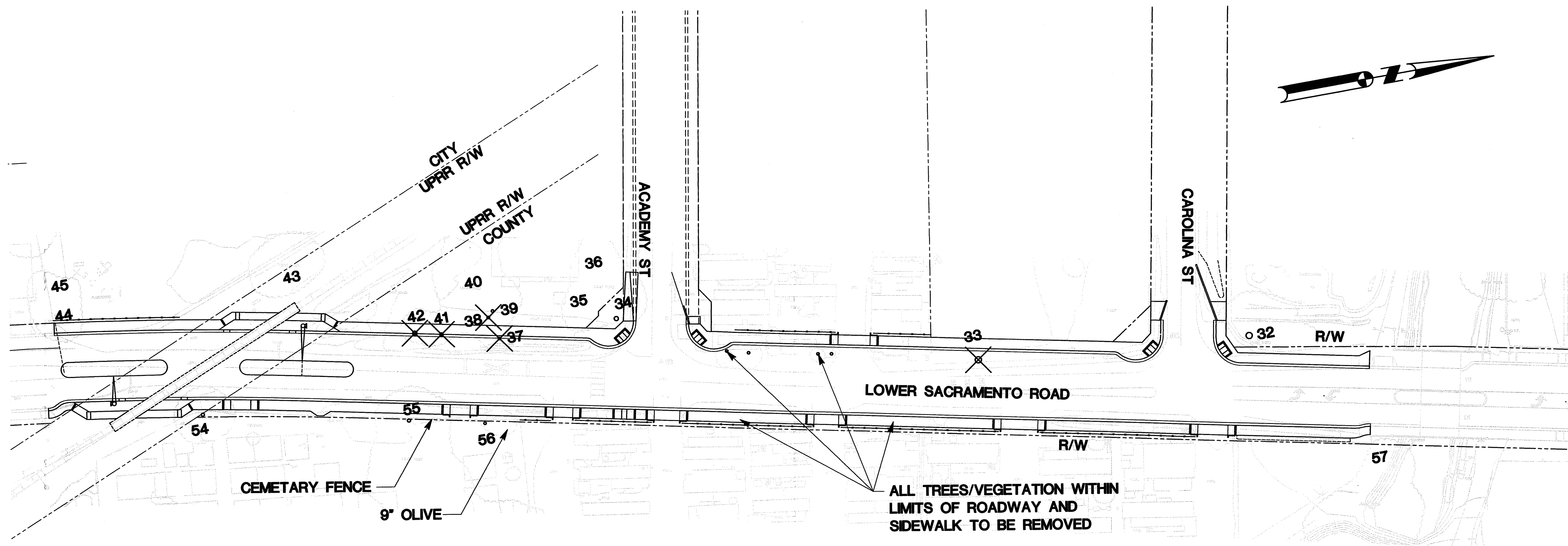


DEPARTMENT OF PUBLIC WORKS
SAN JOAQUIN COUNTY, CALIFORNIA

DRAWN BY	DATE	DESIGN	DATE	CHECKED	DATE	SUBMITTED	DATE	APPROVAL RECOMMENDED	DATE
AKP / DCH	4/07/09	DCH		LMD				<i>Naige J...</i>	5/24/11

NOTES:

1. TREE NUMBERS NOT SHOWN ARE OUTSIDE THE PROJECT LIMITS.
2. ALL TREES TO BE TRIMMED TO LIMIT OF ROADWAY.



TREE No.	COMMON NAME	MULTI-STEMS (inches)	TOTAL DBH (inches)	DLR (feet)
32	Coast Live Oak		51	53
33	Coast Live Oak		57	46
34	Valley Oak		38	52
35	Deodar Cedar		32	19
36	Deodar Cedar		15	19
37	Incense Cedar		23	24
38	Black Locust	12,16	28	27
39	Black Locust		23	26
41	Incense Cedar		28	26
42	Incense Cedar	24,26	50	26
43	Valley Oak		23	29
44	Black Locust		14	23
45	Black Locust	12,13,14	39	26
54	Coast Live Oak		29	26
55	Coast Live Oak		34	31
56	Valley Oak		9	13
57	Black Locust	6,10,15,16	47	24

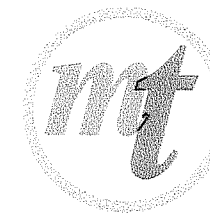
LEGEND:

- 45 Tree Number
- DLR Dripline Radius
- DBH Diameter at Breast Height
- X Tree to be removed

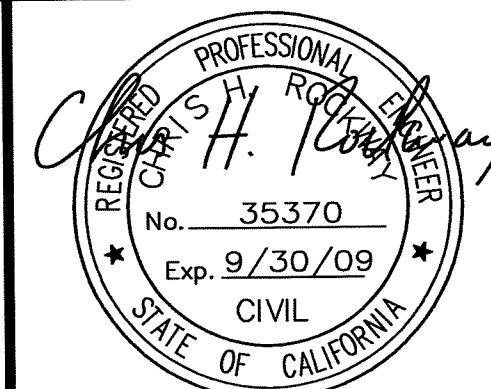
TR-1

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TOLL FREE
2 WORKING DAYS BEFORE ALL
PLANNED WORK OPERATIONS

Revision No.	Description	Date	By	Approved By



MARK THOMAS & COMPANY, INC.
7300 FOLSOM BOULEVARD, SUITE 203
SACRAMENTO, CALIFORNIA 95826
(916) 381-9100



DEPARTMENT OF PUBLIC WORKS
SAN JOAQUIN COUNTY, CALIFORNIA

DRAWN BY	DATE	PROJECT ENGINEER	DATE	CHECKED	DATE	APPROVAL RECOMMENDED	DATE
K. DAVIS	5/21/09	J. PANGBURN	5/21/09	C. ROCKWAY	5/21/09	<i>[Signature]</i>	5/21/09
FILE NAME	DRAWER	SHEET NO.	ACAD	REVISIONS	DATE		

COUNTY OF SAN JOAQUIN

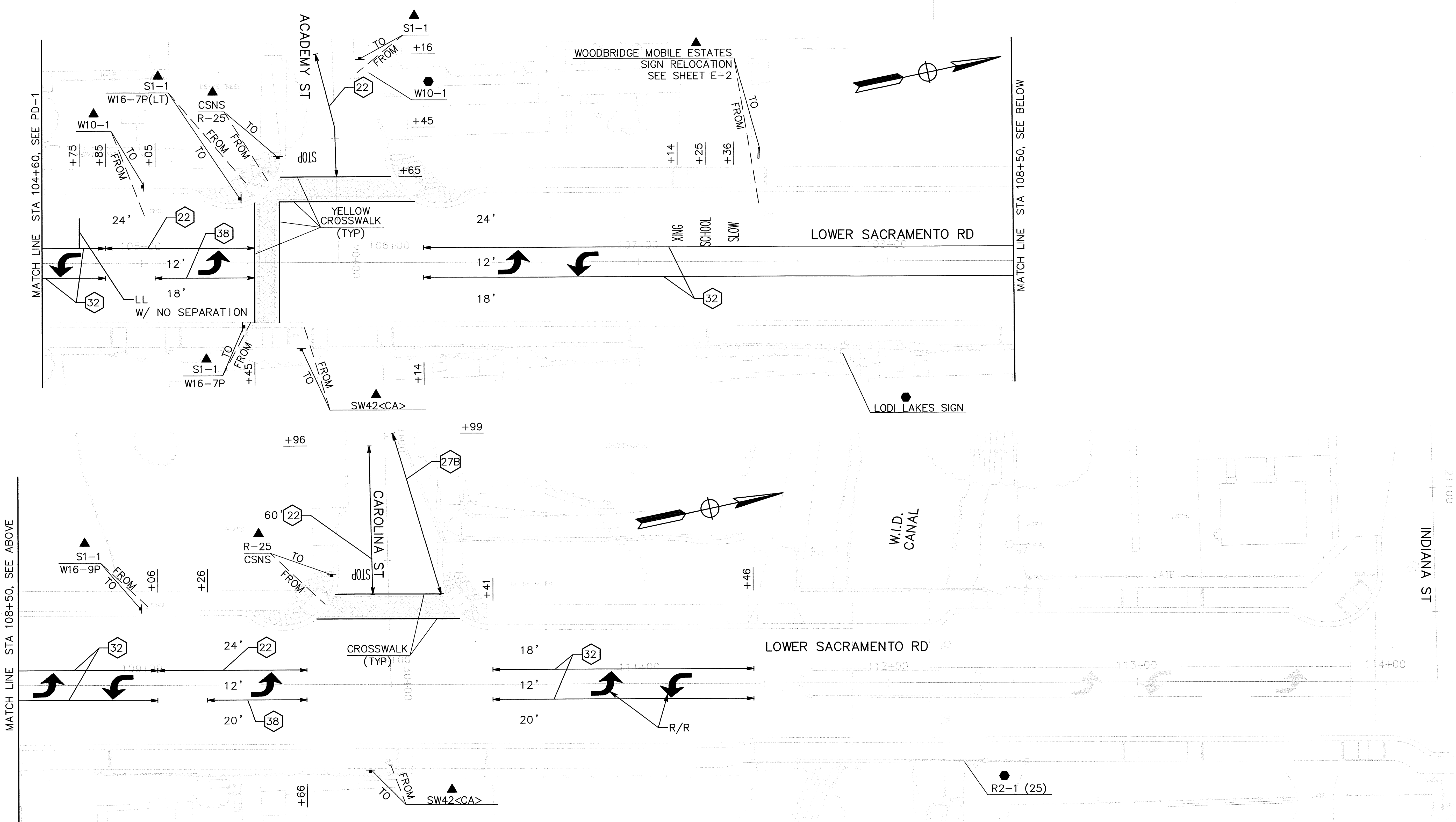
SCALE: 1"=100'

TREE REMOVAL PLAN

LOWER SACRAMENTO ROAD IMPROVEMENTS
TURNER ROAD TO WOODBRIDGE ROAD - PHASE 2

SHEET NO.	TOTAL SHEETS
19	31

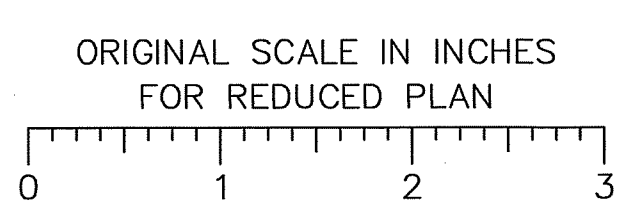
SU-5015



PD-2

SU-5016

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TOLL FREE
2 WORKING DAYS BEFORE ALL
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MARK THOMAS & COMPANY, INC.
7300 FOLSOM BOULEVARD, SUITE 203
SACRAMENTO, CALIFORNIA 95826
(916) 381-9100

PROFESSIONAL
REGISTERED CIVIL ENGINEER
No. 35370
Exp. 9/30/09
CIVIL
STATE OF CALIFORNIA





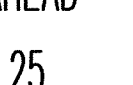

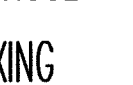

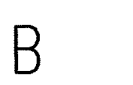
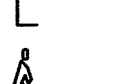









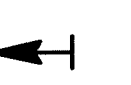
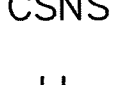
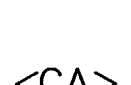




DEPARTMENT OF PUBLIC WORKS
SAN JOAQUIN COUNTY, CALIFORNIA

DRAWN BY K. DAVIS	DATE 5/21/09	PROJECT ENGINEER J. PANGBURN	DATE 5/21/09	CHECKED C. ROCKWAY	DATE 5/21/09	APPROVAL RECOMMENDED <i>Nejia Zail</i>	DATE 5/29/09
FILE NAME	DRAWER	SHEET NO.	ACAD	REVISIONS	DATE		

COUNTY OF SAN JOAQUIN SCALE: 1"=20' PAVEMENT DELINEATION AND SIGN PLANS LOWER SACRAMENTO ROAD IMPROVEMENTS TURNER ROAD TO WOODBRIDGE ROAD - PHASE 2

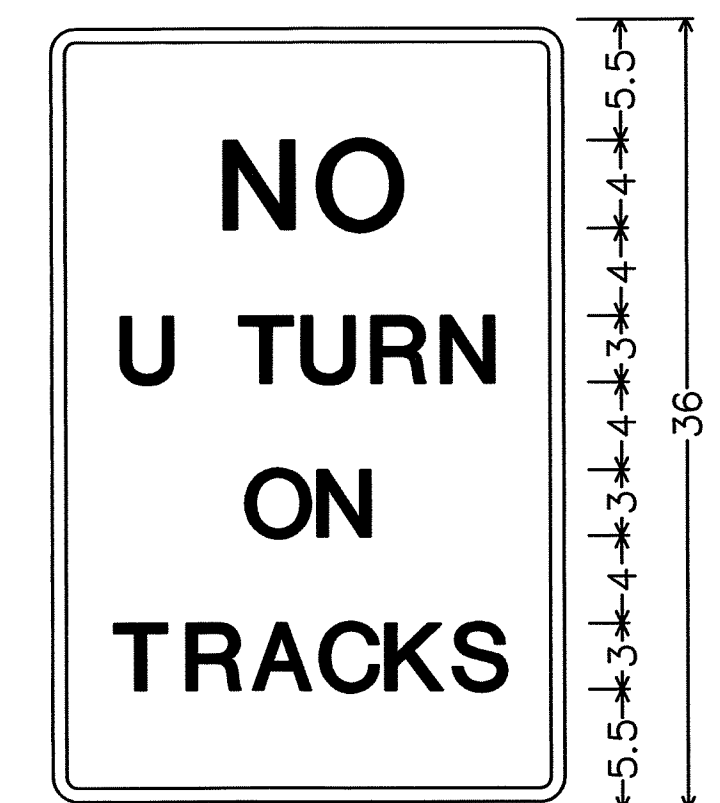
SHEET NO.	TOTAL SHEETS
18	31

LEGEND

-  LIMITS OF DESIGNATED STRIPES AND DETAILS
-  THERMOPLASTIC TRAFFIC STRIPE DETAIL NO (SEE CALTRANS STANDARD PLANS MAY 2006)
-  TYPE 4 ARROW
-  "STOP" LEGEND
-  "AHEAD" LEGEND
-  SPEED LIMIT LEGEND
-  "SLOW" LEGEND - YELLOW
-  "SCHOOL" LEGEND - YELLOW
-  CROSSING LEGEND - YELLOW
-  RAILROAD CROSSING LEGEND
-  BIKE LANE ARROW
-  "BIKE" LEGEND (5 SQ. FT)
-  "LANE" LEGEND (6 SQ. FT)
-  BIKE LANE SYMBOL (7 SQ. FT)
-  * INSTALL ROADSIDE SIGN
-  ▲ RELOCATE EXISTING SIGN
-  ● EXISTING SIGN TO REMAIN
-  ● RESET ROADSIDE SIGN
-  ■ EXISTING ONE POST SIGN LOCATION
-  ■ PROPOSED ONE POST SIGN LOCATION
-  ○ EXISTING ONE POLE SIGN LOCATION
-  ○ PROPOSED ONE POLE SIGN LOCATION
-  ─ MARKER (TYPE AS SHOWN)
-  CSNS COUNTY STREET NAME SIGN
-  LL LIMIT LINE (12" WIDE THERMOPLASTIC PAVEMENT MARKING)
-  <CA> CALIFORNIA SIGN CODE

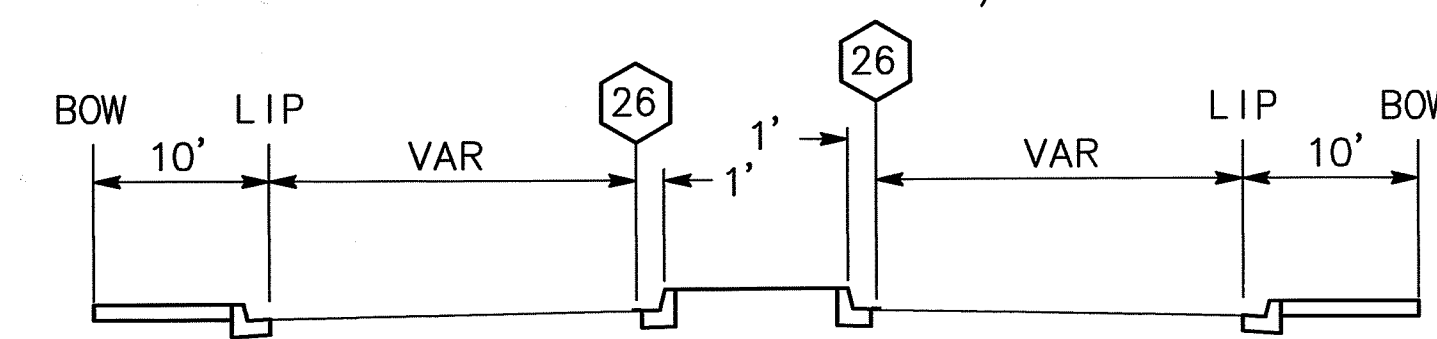
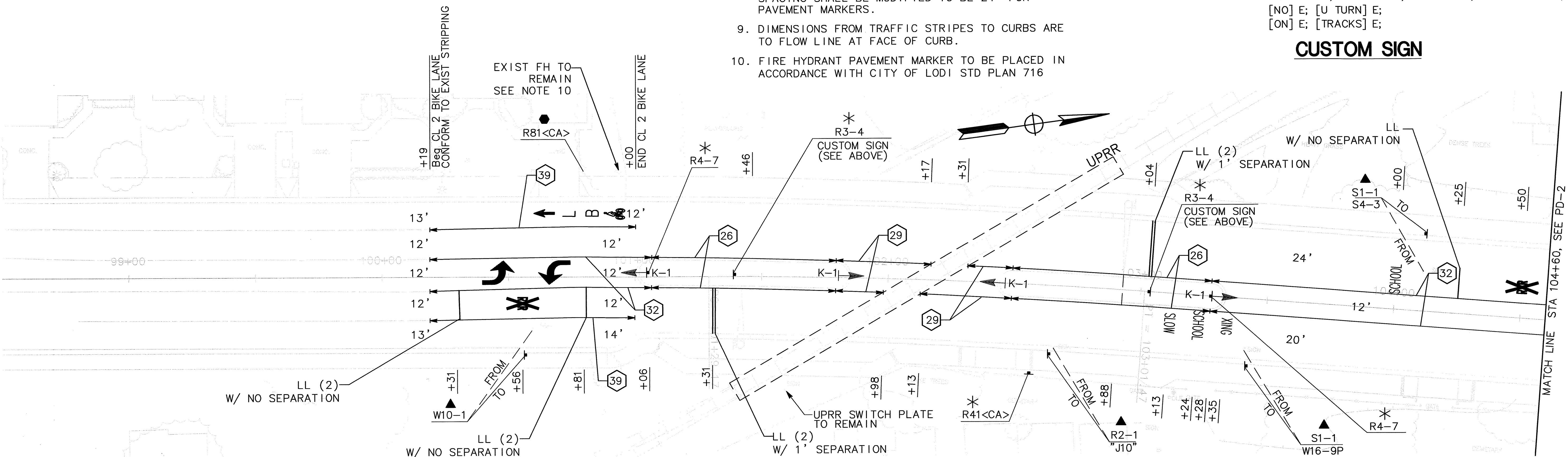
NOTES:

1. ALL PAVEMENT STRIPES AND MARKINGS SHALL BE THERMOPLASTIC, EXCEPT AS NOTED ON PLANS.
2. ALL PAVEMENT MARKING ARROWS SHALL BE 10 FEET FROM BEGINNING OF POCKET UNLESS OTHERWISE NOTED.
3. EXISTING STRIPES AND MARKINGS SHALL NOT BE REMOVED UNTIL THEY ARE NO LONGER REQUIRED.
4. WIDTH OF CROSSWALKS SHALL BE 10' UNLESS OTHERWISE NOTED. CENTER CROSSWALKS WITH EXISTING OR PROPOSED CURB RAMP.
5. EXACT LOCATION AND POSITION OF ROADSIDE SIGNS SHALL BE DETERMINED BY THE ENGINEER.
6. THESE PLANS SHOW ONLY THE EXISTING, NEW AND RELOCATION AND REMOVAL OF PERMANENT ROADWAY SIGNS. SEE "CS" SHEETS FOR CONSTRUCTION AREA SIGN LOCATIONS.
7. REMOVE SPEED LIMIT MARKINGS AND COVER SPEED LIMIT SIGNS PRIOR TO BEGINNING CONSTRUCTION AND CONCURRENT W/ CONST SPEED LIMIT SIGNING.
8. DETAIL 26 TO BE PLACED AT ONE FOOT (1') FROM MEDIAN FOC THROUGHOUT PROJECT. SPACING SHALL BE MODIFIED TO BE 24' FOR PAVEMENT MARKERS.
9. DIMENSIONS FROM TRAFFIC STRIPES TO CURBS ARE TO FLOW LINE AT FACE OF CURB.
10. FIRE HYDRANT PAVEMENT MARKER TO BE PLACED IN ACCORDANCE WITH CITY OF LODI STD PLAN 716

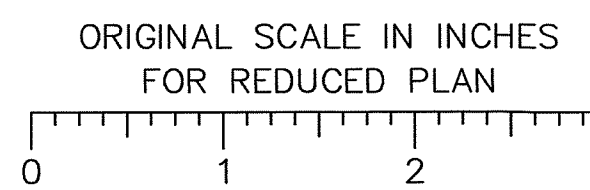


1.5" Radius, 0.6" Border, 0.4" Indent, White on White;
 [NO] E; [U TURN] E;
 [ON] E; [TRACKS] E;

CUSTOM SIGN



MEDIAN STRIPING DETAIL



BEFORE EXCAVATING CALL U.S.A. UNDERGROUND SERVICE ALERT 800-227-2600 TOLL FREE 2 WORKING DAYS BEFORE ALL PLANNED WORK OPERATIONS

DRAWN BY K. DAVIS	DATE 5/21/09	PROJECT ENGINEER J. PANGBURN	DATE 5/21/09	CHECKED C. ROCKWAY	DATE 5/21/09	APPROVAL RECOMMENDED <i>[Signature]</i>	DATE 5/21/09
FILE NAME	DRAWER	SHEET NO.	ACAD	REVISIONS	DATE		

Revision No.	Description	Date	By	Approved By

MARK THOMAS & COMPANY, INC.
 7300 FOLSOM BOULEVARD, SUITE 203
 SACRAMENTO, CALIFORNIA 95826
 (916) 381-9100

PROFESSIONAL REGISTERED CIVIL ENGINEER
 No. 35370
 Exp. 9/30/09
 CIVIL
 STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
 SAN JOAQUIN COUNTY, CALIFORNIA

SU-5017

PD-1

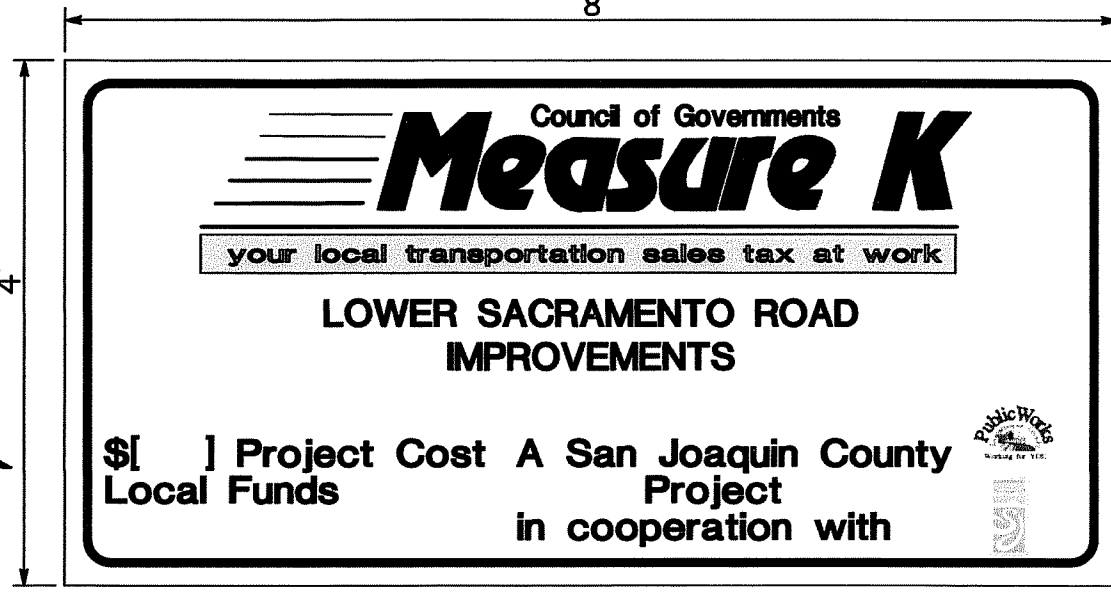
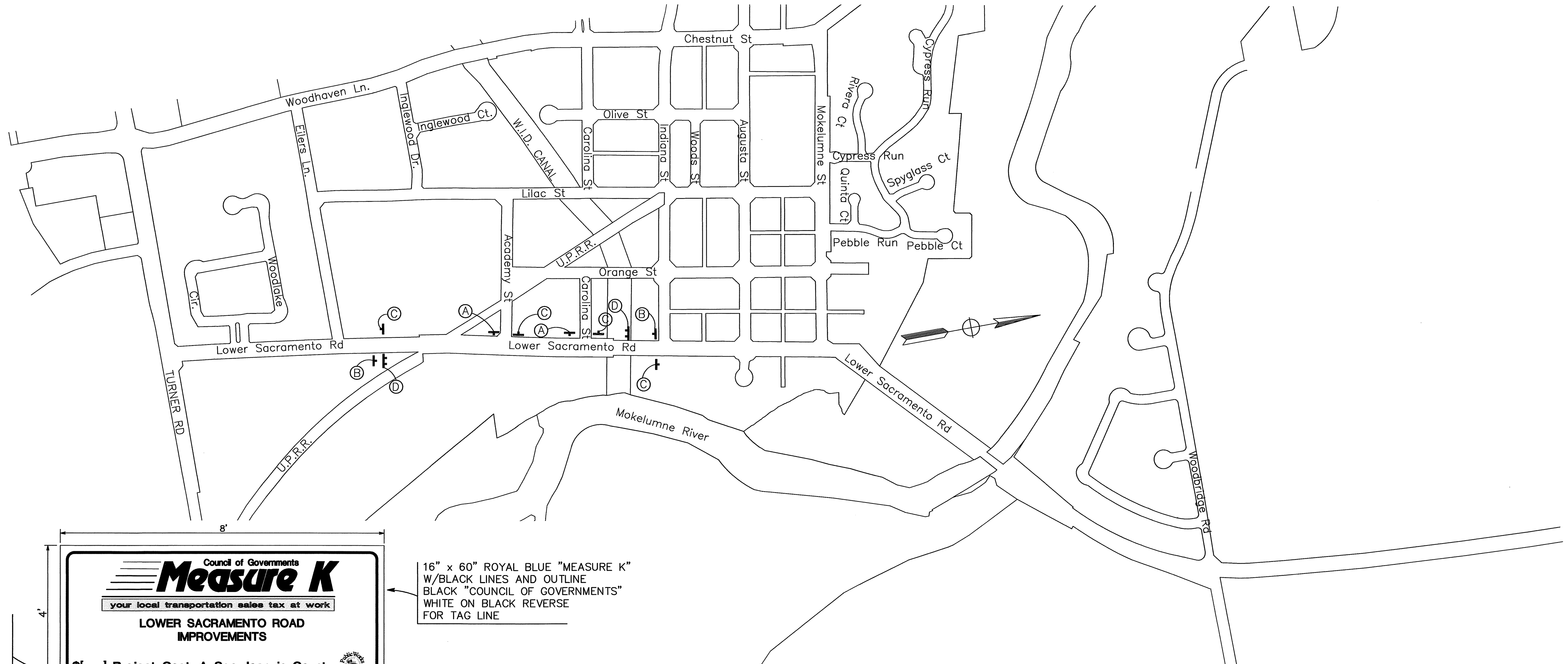
NOTES:

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE SAN JOAQUIN COUNTY STANDARD PLANS AND SPECIFICATIONS, CALTRANS STANDARD PLANS AND SPECIFICATIONS DATED MAY 2006, LATEST EDITIONS OF THE MUTCD, SIGN SPECIFICATIONS AND THE SPECIAL PROVISIONS.
2. EXACT LOCATION AND POSITIONS OF CONSTRUCTION AREA SIGNS SHALL BE DETERMINED BY THE ENGINEER.
3. CONTRACTOR SHALL REMOVE ALL CONSTRUCTION AREA SIGNS AFTER COMPLETION OF THIS PROJECT.

SIGN CODE	PANEL SIZE	QUANTITY
A	36" x 36"	2
B	48" x 48"	2
C	48" x 18"	4
D	FUNDING SIGN	48" x 96"

LEGEND

† CONSTRUCTION SIGN



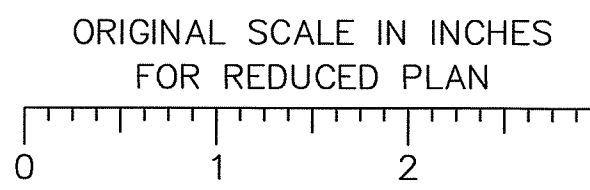
16" x 60" ROYAL BLUE "MEASURE K" W/BLACK LINES AND OUTLINE
BLACK "COUNCIL OF GOVERNMENTS" WHITE ON BLACK REVERSE FOR TAG LINE

- 3/4" DURAPLY BOARD
- ALL SIGN FEATURES TO BE REFLECTORIZED (ENGINEER-GRADE SCOTCHLITE)
- WHITE BACKGROUND
- 4" UPPER CASE AND 3" LOWER CASE BLACK OUTLINE
- 4" BLACK COG LOGO

FUNDING SIGN

CS-1

BEFORE EXCAVATING CALL U.S.A. UNDERGROUND SERVICE ALERT 800-227-2600 TOLL FREE 2 WORKING DAYS BEFORE ALL PLANNED WORK OPERATIONS



Revision No.	Description	Date	By	Approved By

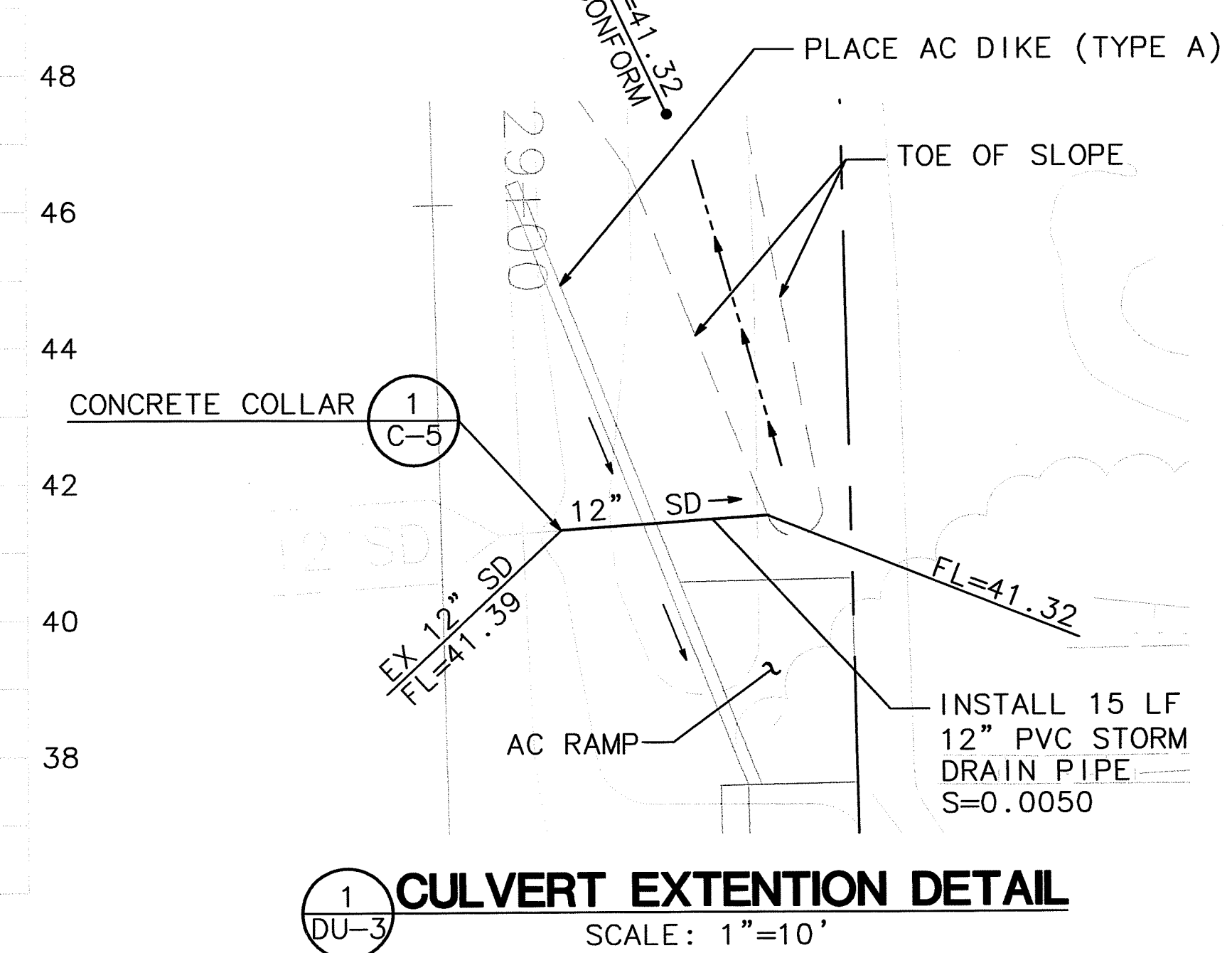
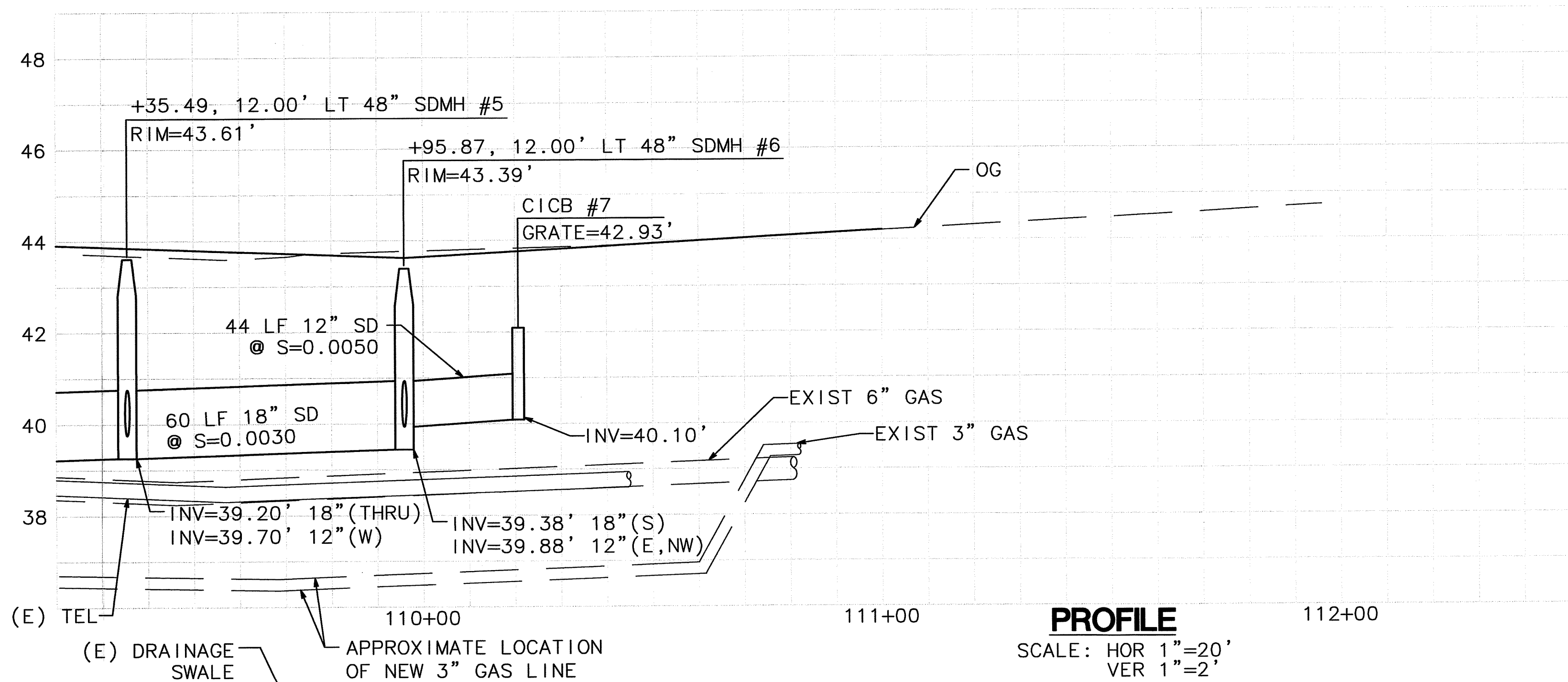
MARK THOMAS & COMPANY, INC.
7300 FOLSOM BOULEVARD, SUITE 203
SACRAMENTO, CALIFORNIA 95826
(916) 381-9100

PROFESSIONAL REGISTERED CIVIL ENGINEER
No. 35370
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CIVIL
STATE OF CALIFORNIA

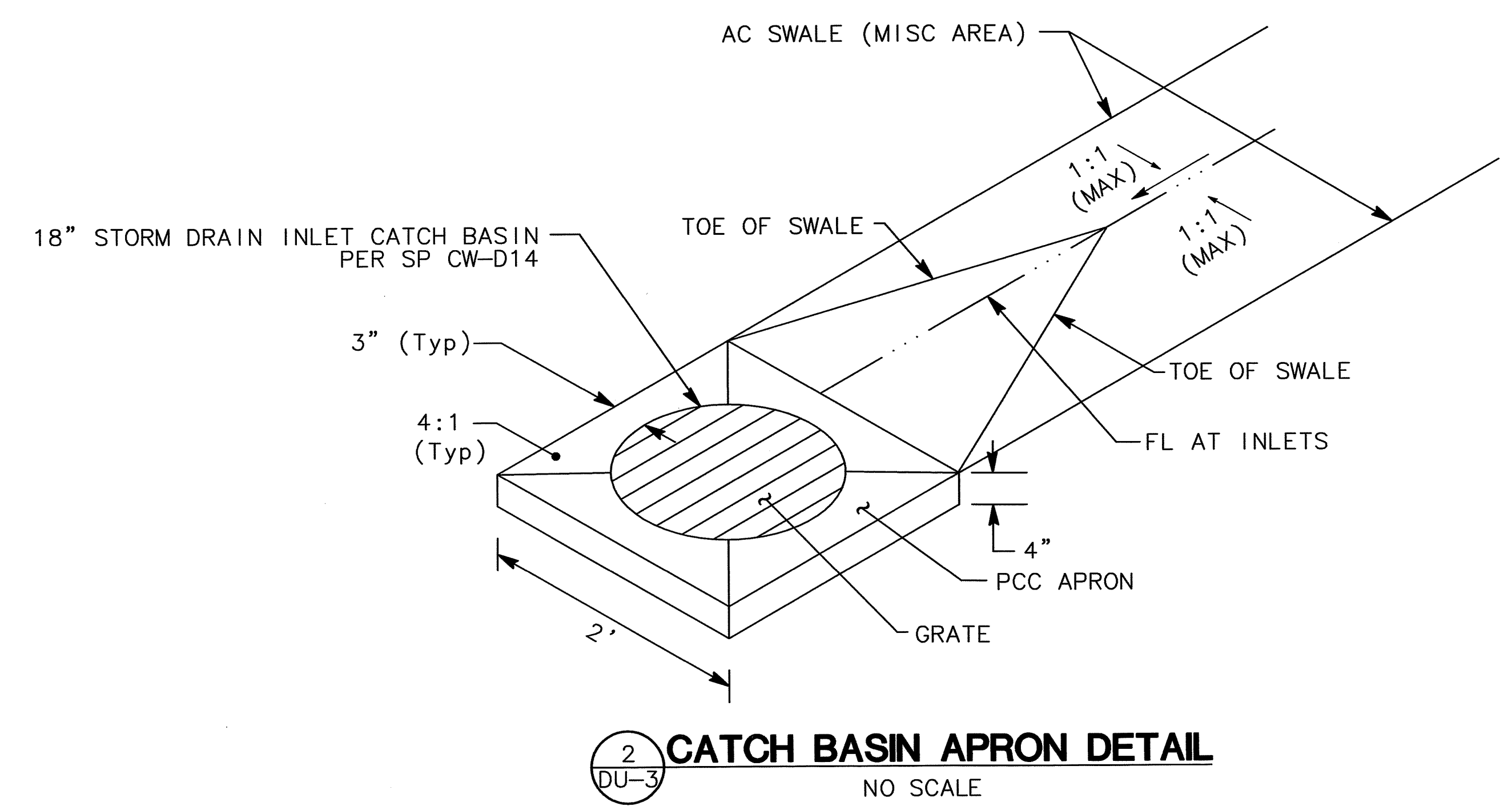
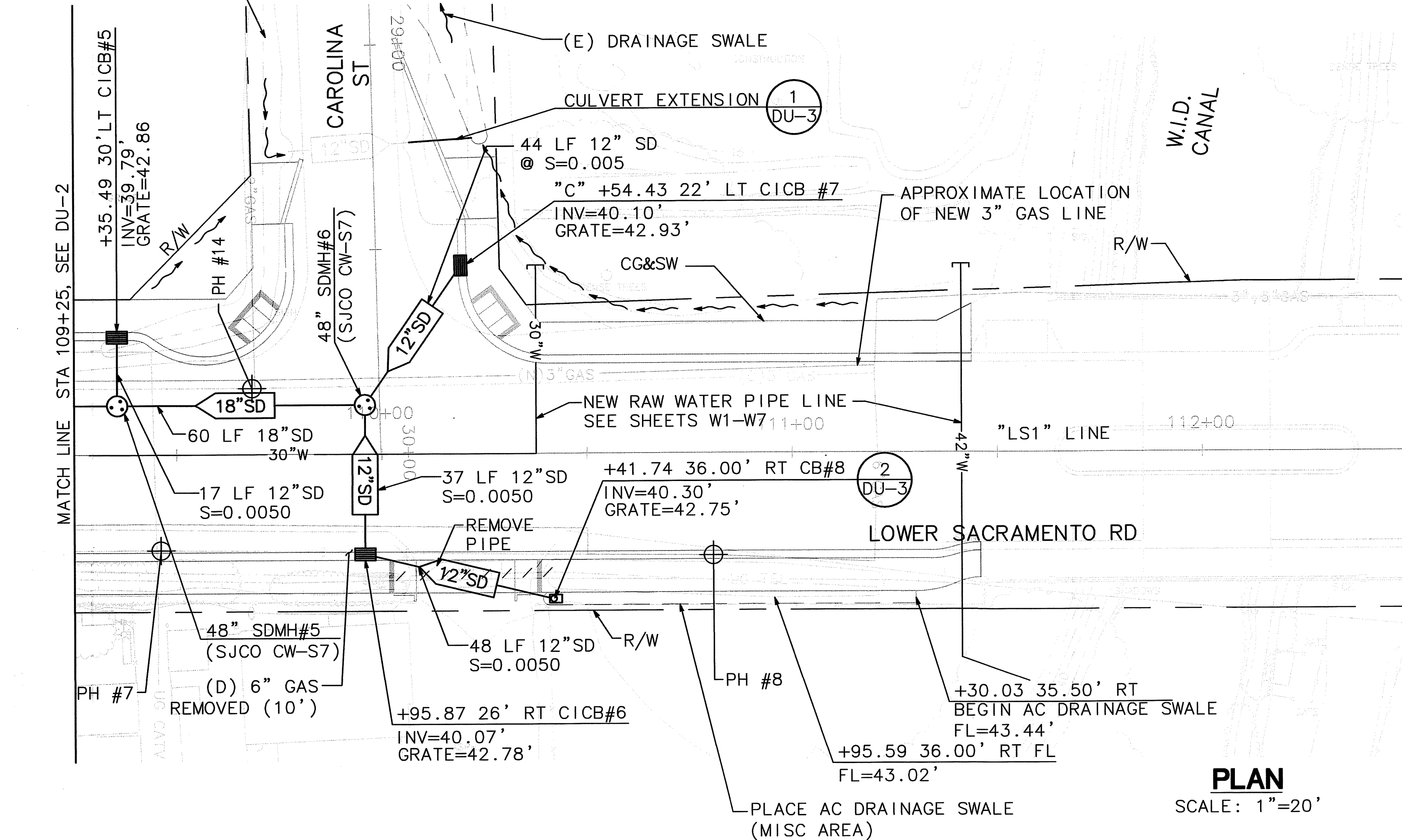
DEPARTMENT OF PUBLIC WORKS
SAN JOAQUIN COUNTY, CALIFORNIA

DRAWN BY K. DAVIS	DATE 5/21/09	PROJECT ENGINEER J. PANGBURN	DATE 5/21/09	CHECKED C. ROCKWAY	DATE 5/21/09	APPROVAL RECOMMENDED <i>Neja</i>	DATE 5/21/09	COUNTY OF SAN JOAQUIN	SCALE: NONE	CONSTRUCTION AREA SIGNS	LOWER SACRAMENTO ROAD IMPROVEMENTS TURNER ROAD TO WOODBRIDGE ROAD - PHASE 2	SHEET NO. 16	TOTAL SHEETS 31
FILE NAME	DRAWER	SHEET NO.	ACAD	REVISIONS	DATE								

815-5018



- NOTE:**
1. ALL STORM DRAIN PIPE SHALL BE RCP UNLESS OTHERWISE NOTED.
 2. PRIOR TO ANY EXCAVATION OR PIPE REMOVAL, CONTRACTOR TO VERIFY WITH PG&E THAT ALL DEACTIVATED GAS/SERVICE LINES ARE DEACTIVATED.
 3. SEE SHEET GN-1 FOR POTHOLE INFORMATION.

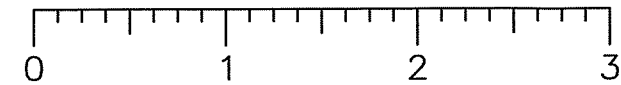


DU-3

SU-SD19

BEFORE EXCAVATING
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TOLL FREE
2 WORKING DAYS BEFORE ALL
PLANNED WORK OPERATIONS

ORIGINAL SCALE IN INCHES
FOR REDUCED PLAN



Revision No.	Description	Date	By	Approved By

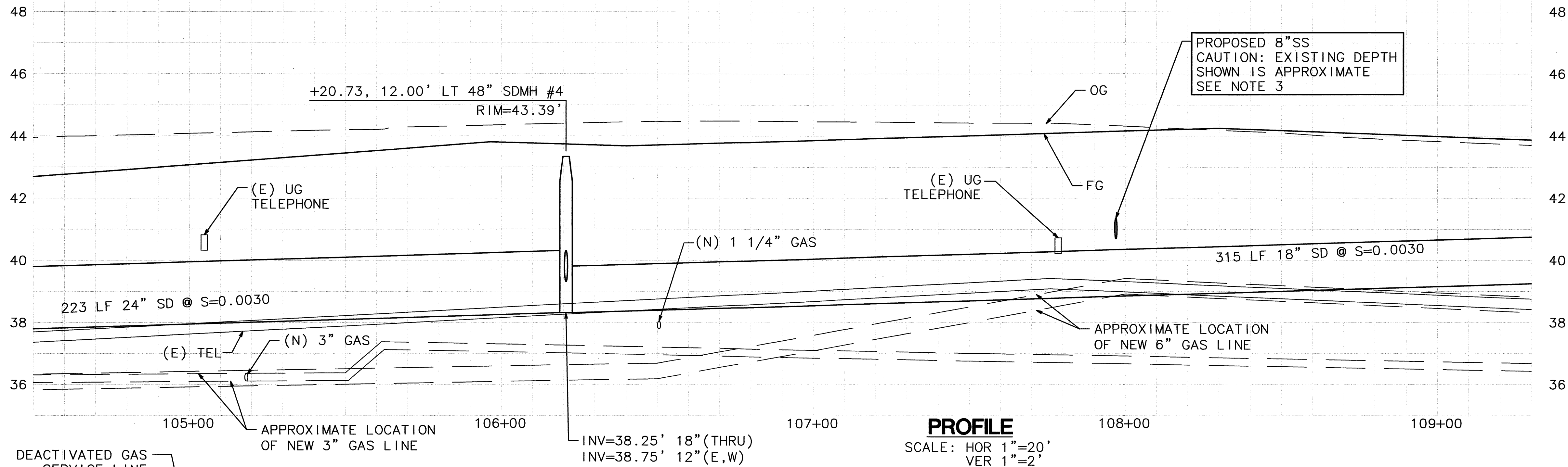
MARK THOMAS & COMPANY, INC.
7300 FOLSOM BOULEVARD, SUITE 203
SACRAMENTO, CALIFORNIA 95826
(916) 381-9100

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No. 35370
Exp. 9/30/09
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STATE OF CALIFORNIA

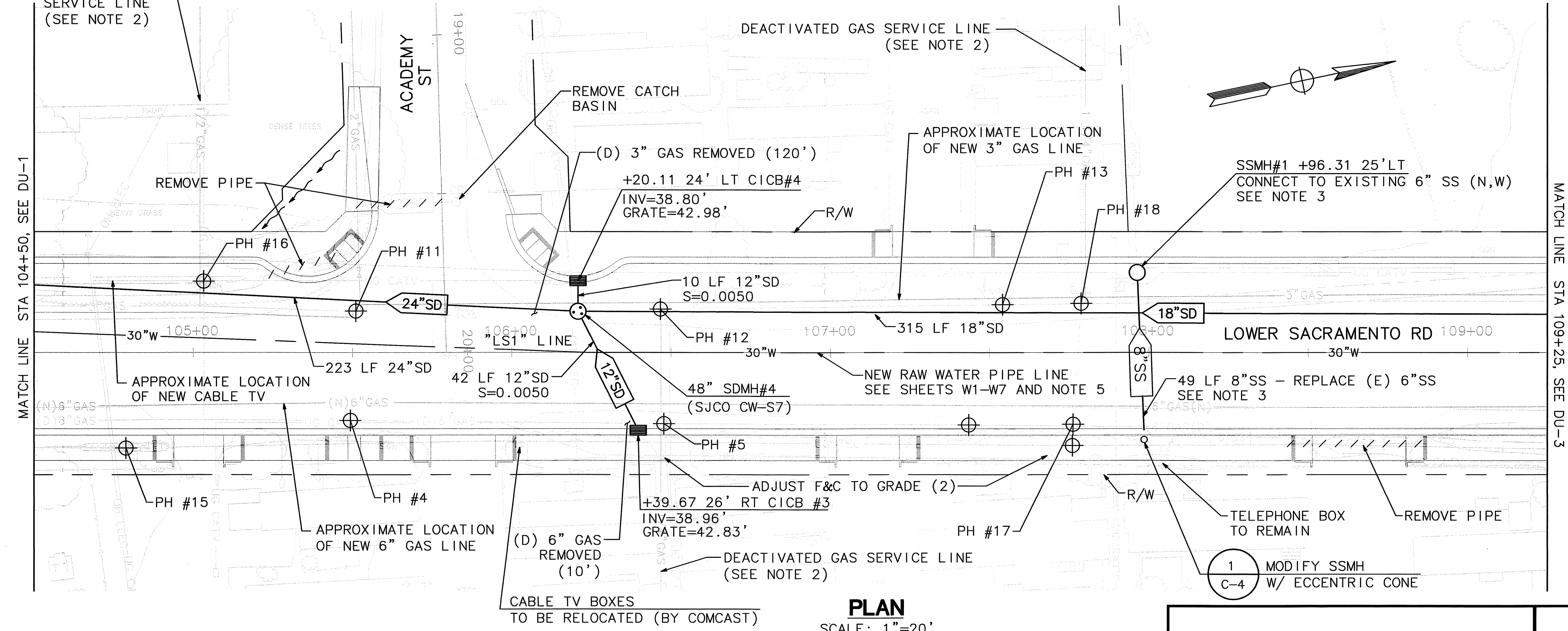
DEPARTMENT OF PUBLIC WORKS
SAN JOAQUIN COUNTY, CALIFORNIA

DRAWN BY	DATE	PROJECT ENGINEER	DATE	CHECKED	DATE	APPROVAL RECOMMENDED	DATE
K. DAVIS	5/21/09	J. PANGBURN	5/21/09	C. ROCKWAY	5/21/09	<i>[Signature]</i>	5/25/09
FILE NAME	DRAWER	SHEET NO.	ACAD	REVISIONS	DATE		

COUNTY OF SAN JOAQUIN SCALE: 1"=20' DRAINAGE AND UTILITY LOWER SACRAMENTO ROAD IMPROVEMENTS TURNER ROAD TO WOODBRIDGE ROAD - PHASE 2 SHEET NO. 15 TOTAL SHEETS 31



- NOTES:**
1. ALL STORM DRAIN PIPE SHALL BE RCP UNLESS OTHERWISE NOTED.
 2. PRIOR TO ANY EXCAVATION OR PIPE REMOVAL, CONTRACTOR TO VERIFY WITH PG&E THAT ALL DEACTIVATED GAS/SERVICE LINES ARE DEACTIVATED.
 3. MANHOLE LOCATION SHOWN IS APPROXIMATE. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING 6" SS PRIOR TO CONSTRUCTION.
 4. SEE SHEET GN-1 FOR POTHOLE INFORMATION.
 5. RAW WATER PIPELINE IS APPROXIMATELY 10' DEEP. SEE WATER PLANS FOR DETAILED PROFILE INFORMATION.

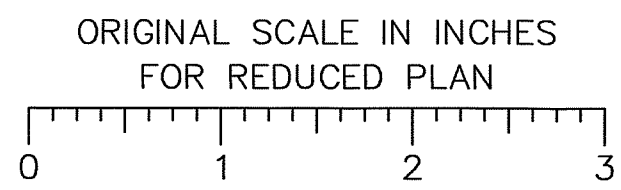


DU-2

SU-5020

BEFORE EXCAVATING CALL U.S.A. UNDERGROUND SERVICE ALERT 800-227-2600 TOLL FREE 2 WORKING DAYS BEFORE ALL PLANNED WORK OPERATIONS

DRAWN BY K. DAVIS	DATE 5/21/09	PROJECT ENGINEER J. PANGBURN	DATE 5/21/09	CHECKED C. ROCKWAY	DATE 5/21/09	APPROVAL RECOMMENDED <i>[Signature]</i>	DATE 5/21/09
FILE NAME	DRAWER	SHEET NO.	ACAD	REVISIONS	DATE		



PLAN
SCALE: 1"=20'

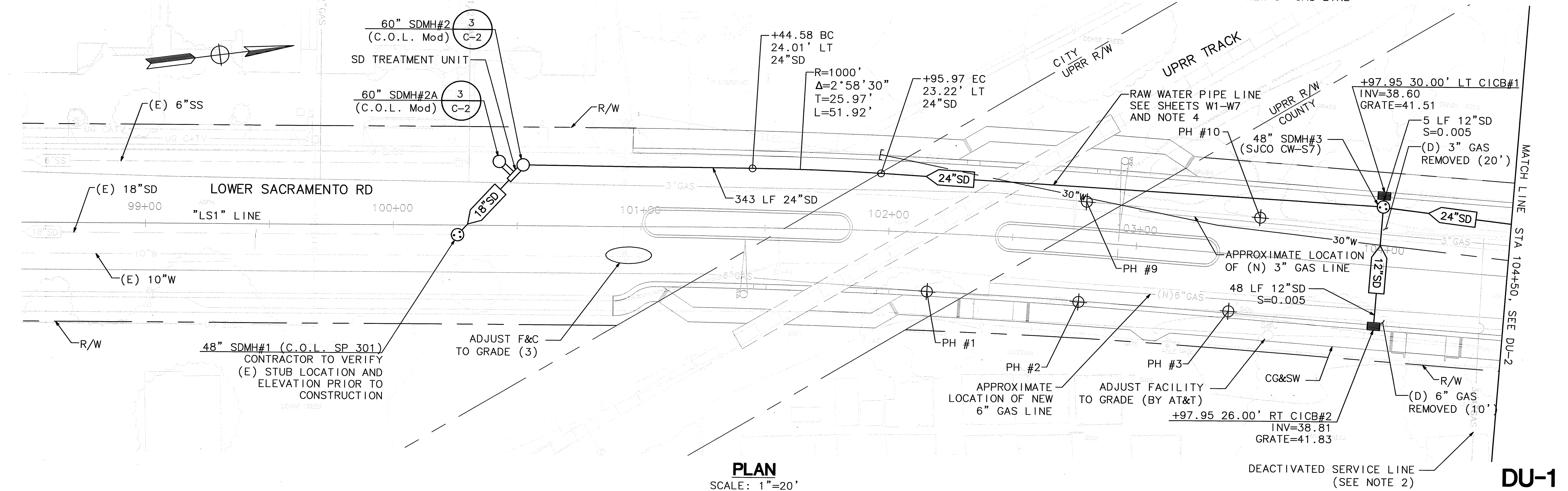
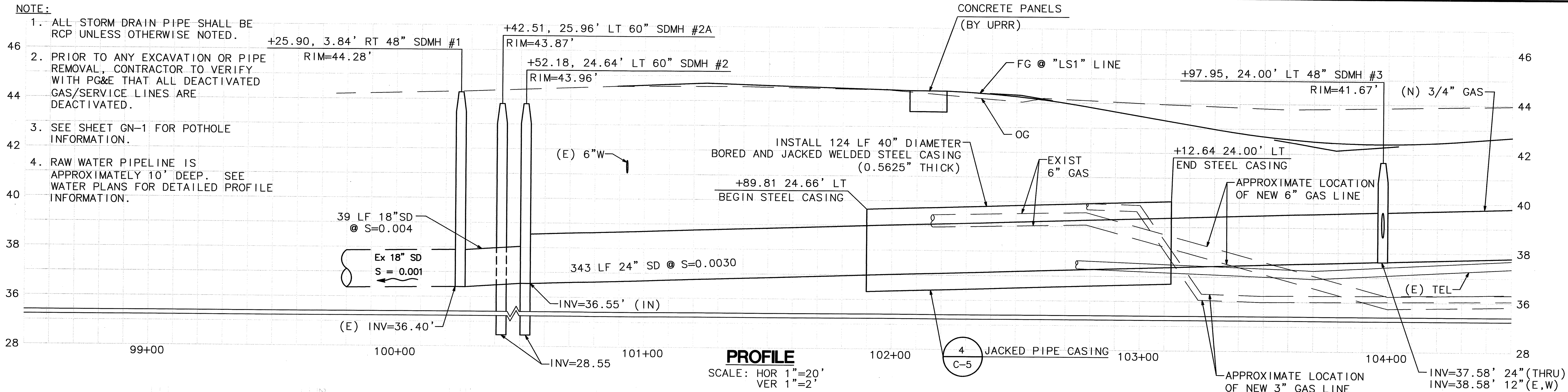
Revision No.	Description	Date	By	Approved By

MARK THOMAS & COMPANY, INC.
7300 FOLSOM BOULEVARD, SUITE 203
SACRAMENTO, CALIFORNIA 95826
(916) 381-9100

DEPARTMENT OF PUBLIC WORKS
SAN JOAQUIN COUNTY, CALIFORNIA

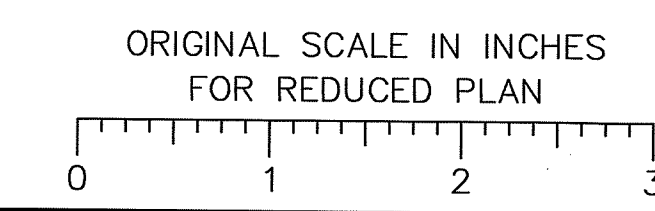
NOTE:

1. ALL STORM DRAIN PIPE SHALL BE RCP UNLESS OTHERWISE NOTED.
2. PRIOR TO ANY EXCAVATION OR PIPE REMOVAL, CONTRACTOR TO VERIFY WITH PG&E THAT ALL DEACTIVATED GAS/SERVICE LINES ARE DEACTIVATED.
3. SEE SHEET GN-1 FOR POTHOLE INFORMATION.
4. RAW WATER PIPELINE IS APPROXIMATELY 10' DEEP. SEE WATER PLANS FOR DETAILED PROFILE INFORMATION.



DU-1

BEFORE EXCAVATING CALL U.S.A. UNDERGROUND SERVICE ALERT 800-227-2600 TOLL FREE 2 WORKING DAYS BEFORE ALL PLANNED WORK OPERATIONS



Revision No.	Description	Date	By	Approved By

MARK THOMAS & COMPANY, INC.
 7300 FOLSOM BOULEVARD, SUITE 203
 SACRAMENTO, CALIFORNIA 95826
 (916) 381-9100

PROFESSIONAL ENGINEER
 H. H. [Signature]
 No. 35370
 Exp. 9/30/09
 CIVIL
 STATE OF CALIFORNIA

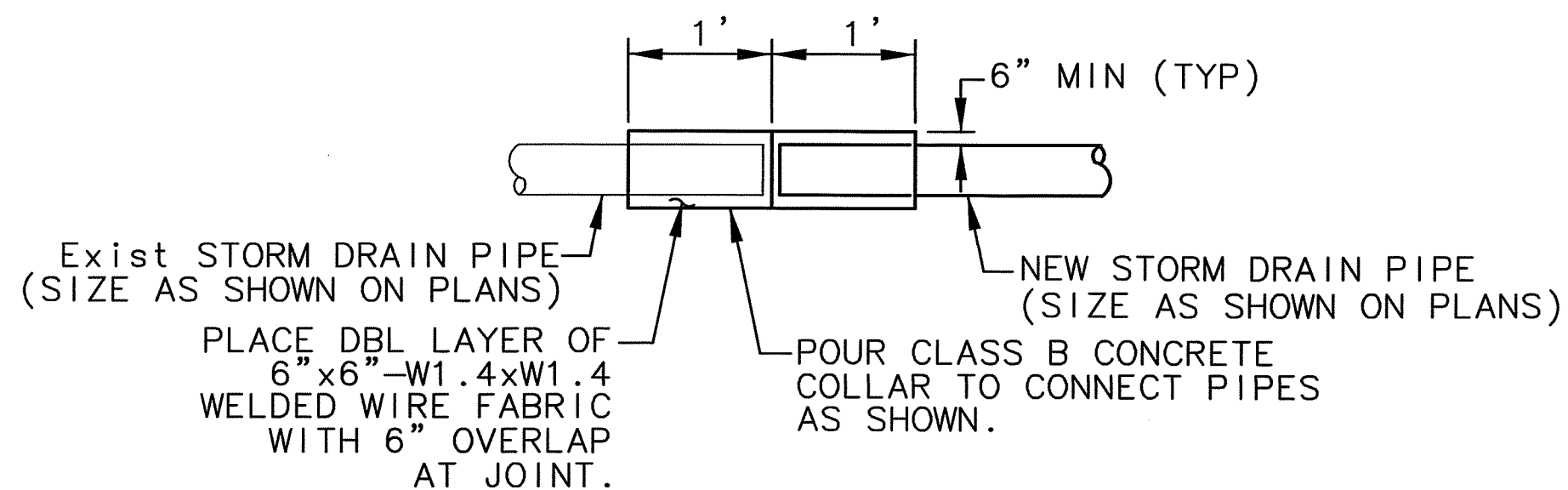
DEPARTMENT OF PUBLIC WORKS
 SAN JOAQUIN COUNTY, CALIFORNIA

DRAWN BY K. DAVIS	DATE 5/21/09	PROJECT ENGINEER J. PANGBURN	DATE 5/21/09	CHECKED C. ROCKWAY	DATE 5/21/09	APPROVAL RECOMMENDED <i>[Signature]</i>	DATE 5/21/09	COUNTY OF SAN JOAQUIN	SCALE: 1"=20'	DRAINAGE AND UTILITY	LOWER SACRAMENTO ROAD IMPROVEMENTS TURNER ROAD TO WOODBRIDGE ROAD - PHASE 2	SHEET NO. 13	TOTAL SHEETS 31	
FILE NAME	DRAWER	SHEET NO.	ACAD	REVISIONS	DATE									

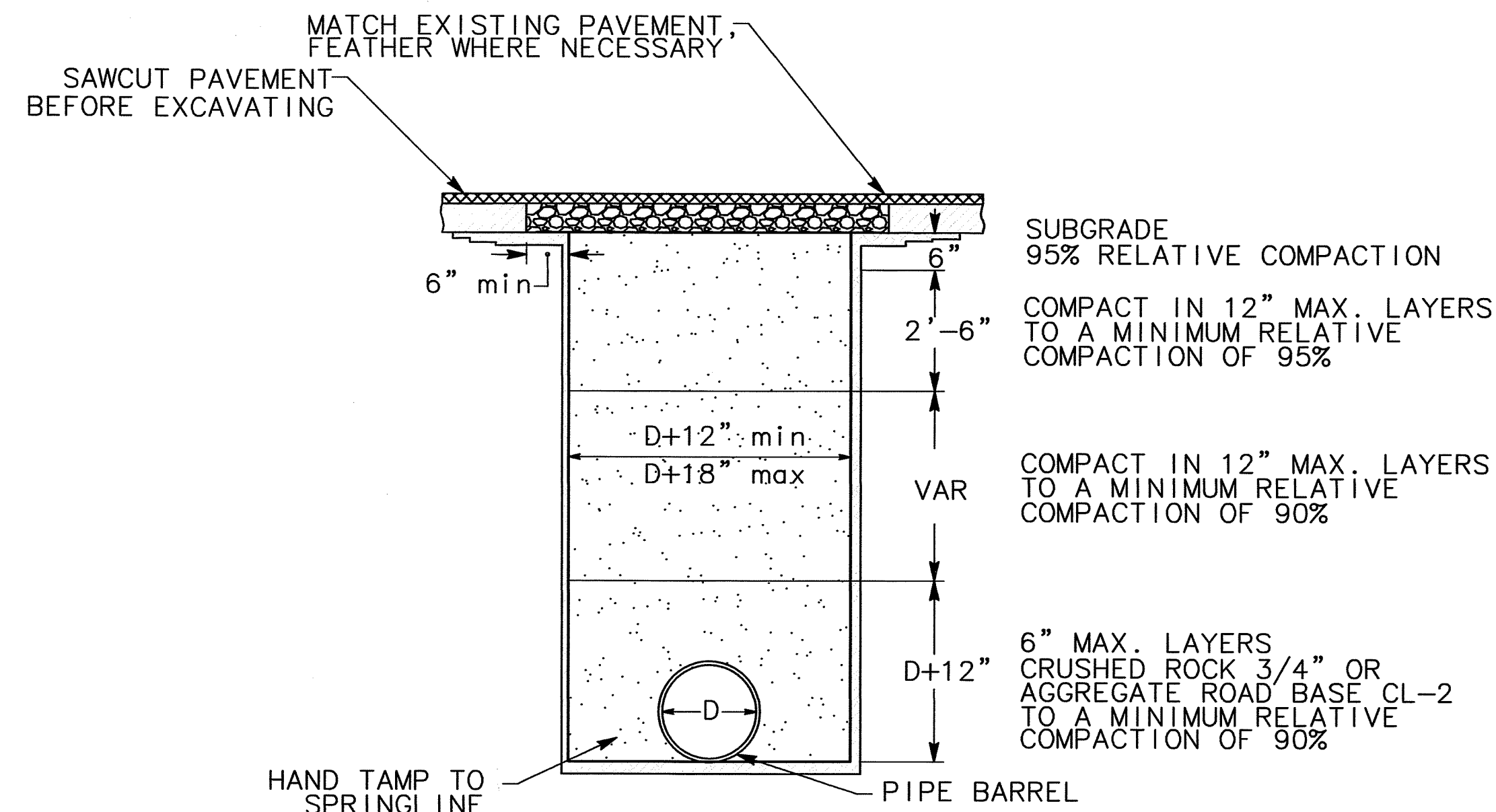
54-5021

NOTES:

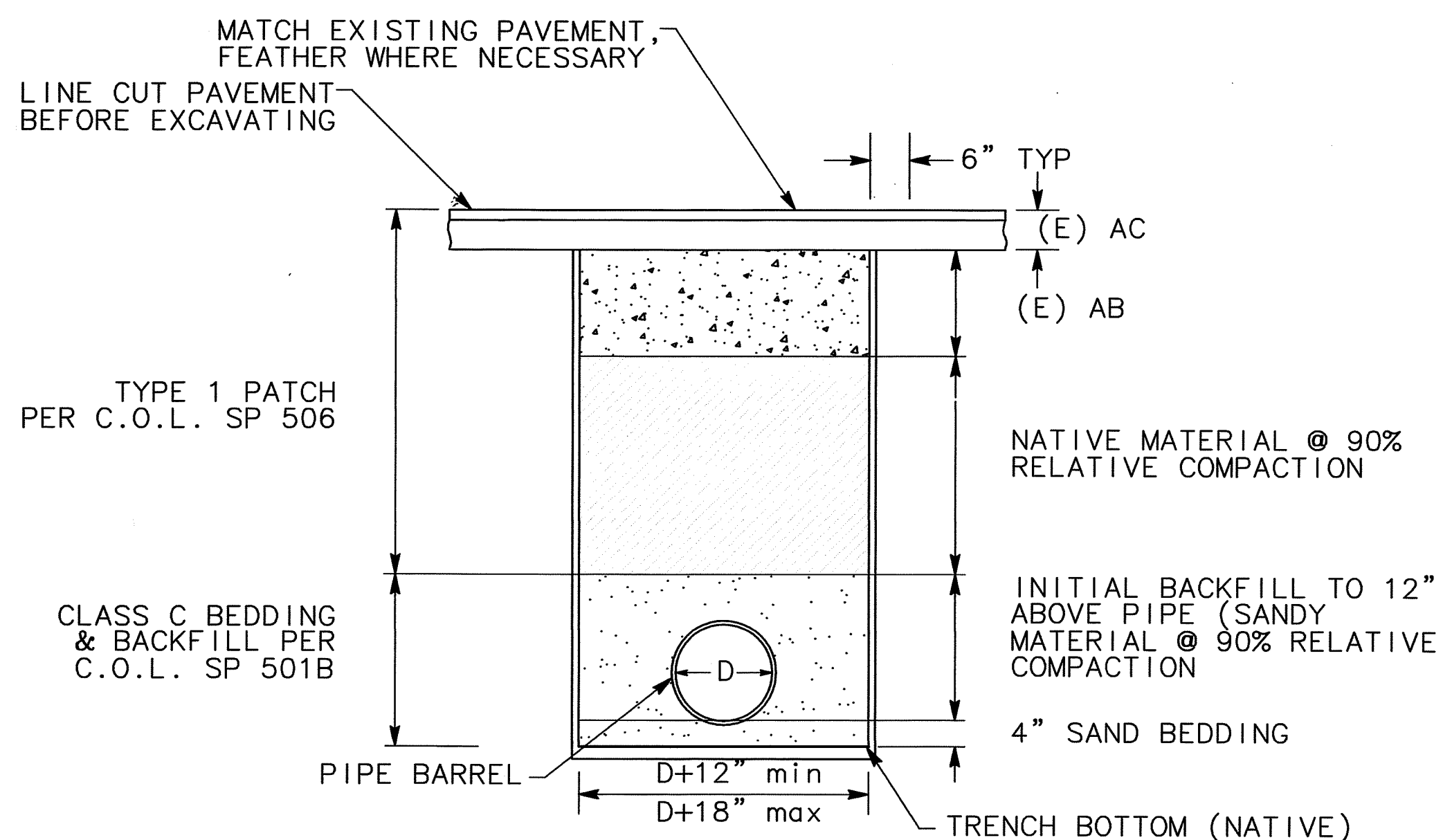
- TRENCHING IN EASEMENTS AND OTHER AREAS NOT IN STREET R/W MAY BE BACKFILLED WITH NATIVE MATERIAL TO A RELATIVE COMPACTION OF 85%.
- OVER EXCAVATE TRENCH BOTTOM UNDER COUPLINGS TO PROVIDE UNIFORM SUPPORT ALONG THE PIPE BARREL.
- NO JETTING OR PONDING WILL BE PERMITTED UNLESS BY SPECIAL APPROVAL OF THE DISTRICT ENGINEER.
- PAVEMENT SECTION SHALL BE EQUIVELANT TO EXISTING PAVEMENT BUT IN NO CASE LESS THAN 4" OF A.B. AND 2" A.C. ON CLASS 'A' SUBGRADE.
- THE TRENCH MATERIAL SPECIFIED SHALL BE PLACED CAREFULLY IN ORDER NOT TO DAMAGE THE PIPE AND COMPACTED IN ACCORDANCE WITH ASTM D 1557-78 PROCEDURE TO THE PROPER LINES AND GRADES SPECIFIED.
- TRENCHING DETAILS SHOWN ON THIS SHEET ARE FOR SANITARY SEWER AND STORM DRAIN FACILITIES ONLY.



1 CONCRETE COLLAR CONNECTION DETAIL
C-5 NO SCALE

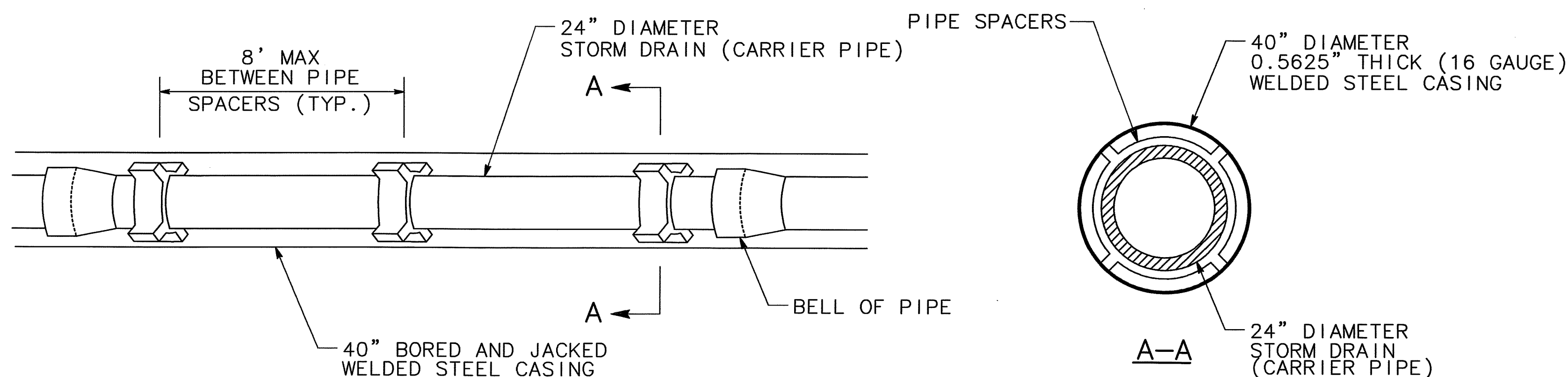


2 TYPICAL TRENCH BACKFILL DETAIL (SAN JOAQUIN COUNTY)
C-5 NO SCALE



NOTE: FOR ALL OTHER DETAILS, SEE CITY OF LODI STANDARD PLANS 501B AND 506.

3 TRENCH BACKFILL DETAIL (CITY OF LODI)
C-5 NO SCALE



4 BORED AND JACKED WELDED STEEL PIPE CASING
C-5 NO SCALE

CASING NOTES:

- CASING SHALL BE PLUGGED ON BOTH ENDS BEFORE BACKFILLING JACKING PITS. PLUGS SHALL CONSIST OF A MINIMUM OF 2 LINEAL FEET OF LOW STRENGTH GROUT (1500 PSI MIN) TO THE END OF THE CASING.
- PROVIDE SIX 1/2" DIAMETER WEEP HOLES IN PLUG ON DOWNSLOPE SIDE OF CASING. WEEP HOLES SHALL BE LOCATED ON BOTTOM OF PLUG ON 3" CENTERS.

C-5

BEFORE EXCAVATING
CALL U.S.A.
UNDERGROUND SERVICE ALERT
800-227-2600
TOLL FREE
2 WORKING DAYS BEFORE ALL
PLANNED WORK OPERATIONS

DRAWN BY K. DAVIS	DATE 5/21/09	PROJECT ENGINEER J. PANGBURN	DATE 5/21/09	CHECKED C. ROCKWAY	DATE 5/21/09	APPROVAL RECOMMENDED <i>[Signature]</i>	DATE 5/29/09
FILE NAME	DRAWER	SHEET NO.	ACAD	REVISIONS	DATE		

Revision No.	Description	Date	By	Approved By

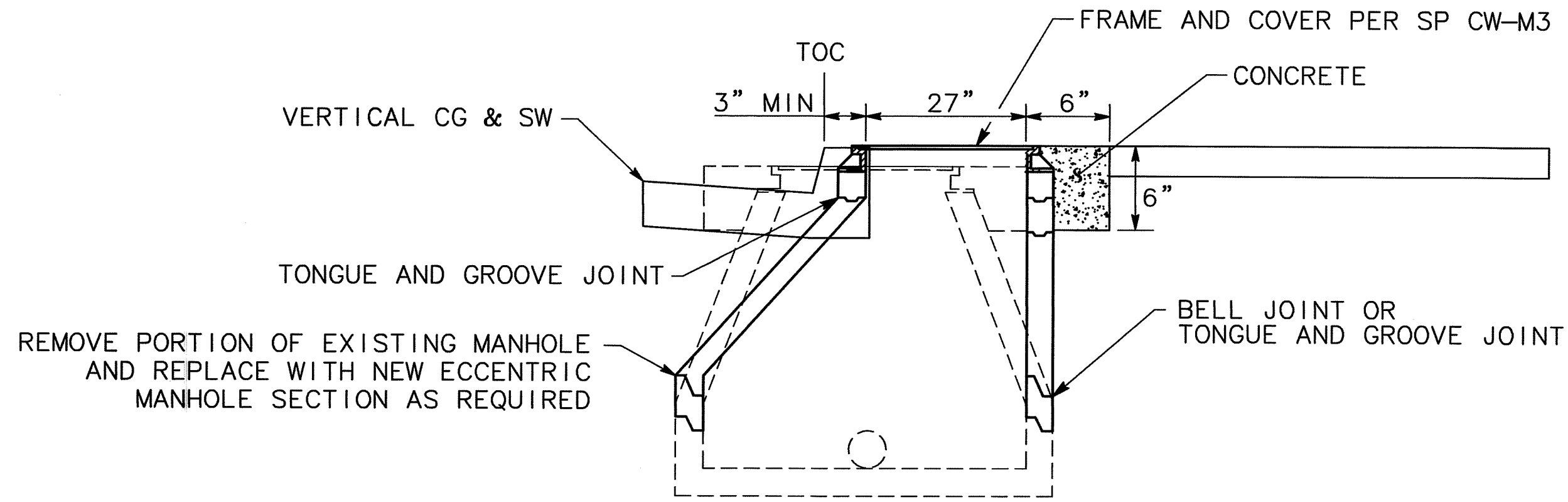
MARK THOMAS & COMPANY, INC.
7300 FOLSOM BOULEVARD, SUITE 203
SACRAMENTO, CALIFORNIA 95826
(916) 381-9100

PROFESSIONAL ENGINEER
[Signature]
No. 35370
Exp. 9/30/09
CIVIL
STATE OF CALIFORNIA

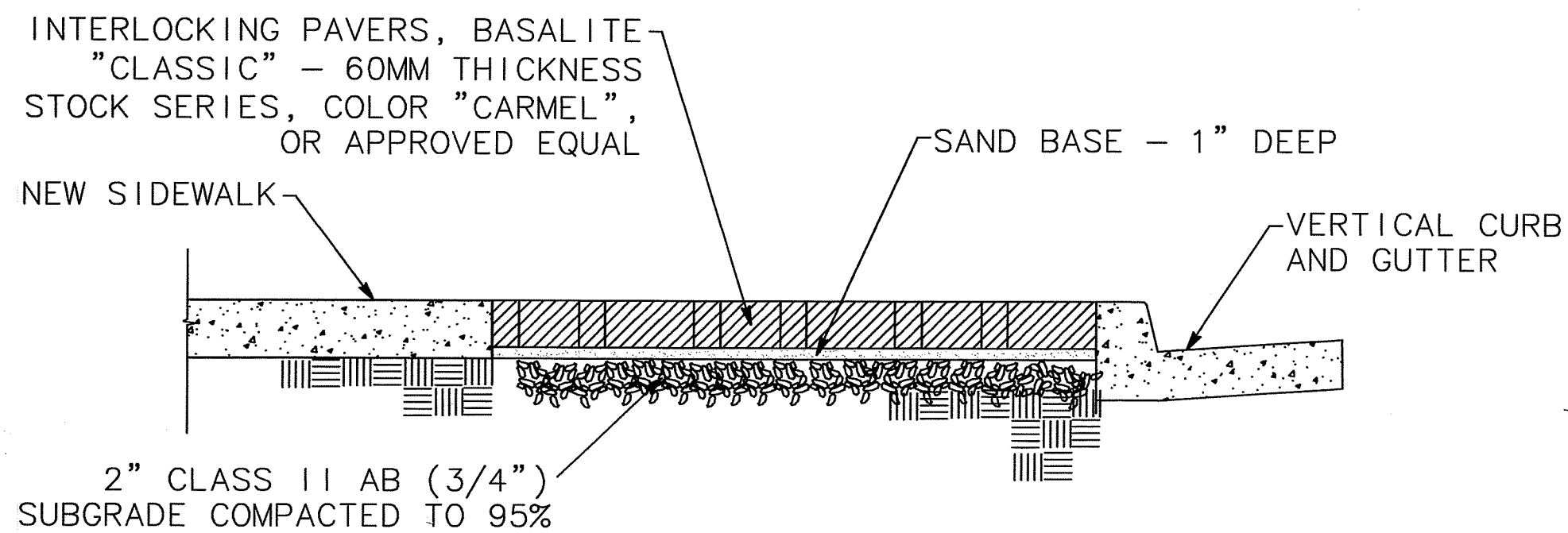
DEPARTMENT OF PUBLIC WORKS
SAN JOAQUIN COUNTY, CALIFORNIA

COUNTY OF SAN JOAQUIN	SCALE: NO SCALE	CONSTRUCTION DETAILS	LOWER SACRAMENTO ROAD IMPROVEMENTS TURNER ROAD TO WOODBRIDGE ROAD - PHASE 2	SHEET NO. 12	TOTAL SHEETS 31
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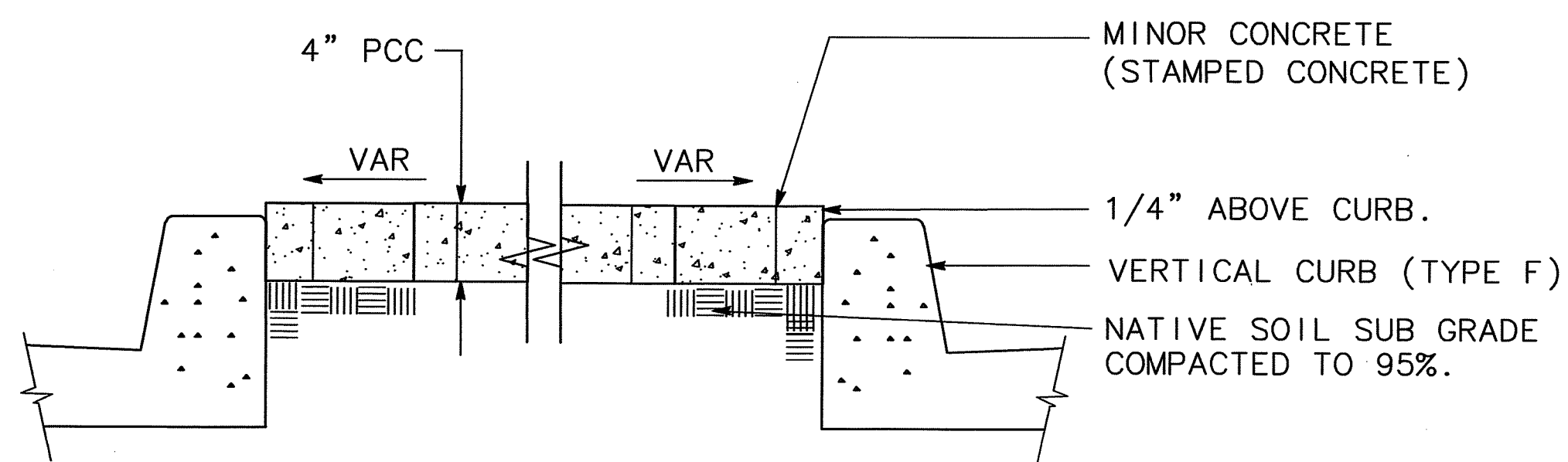
SU-5022



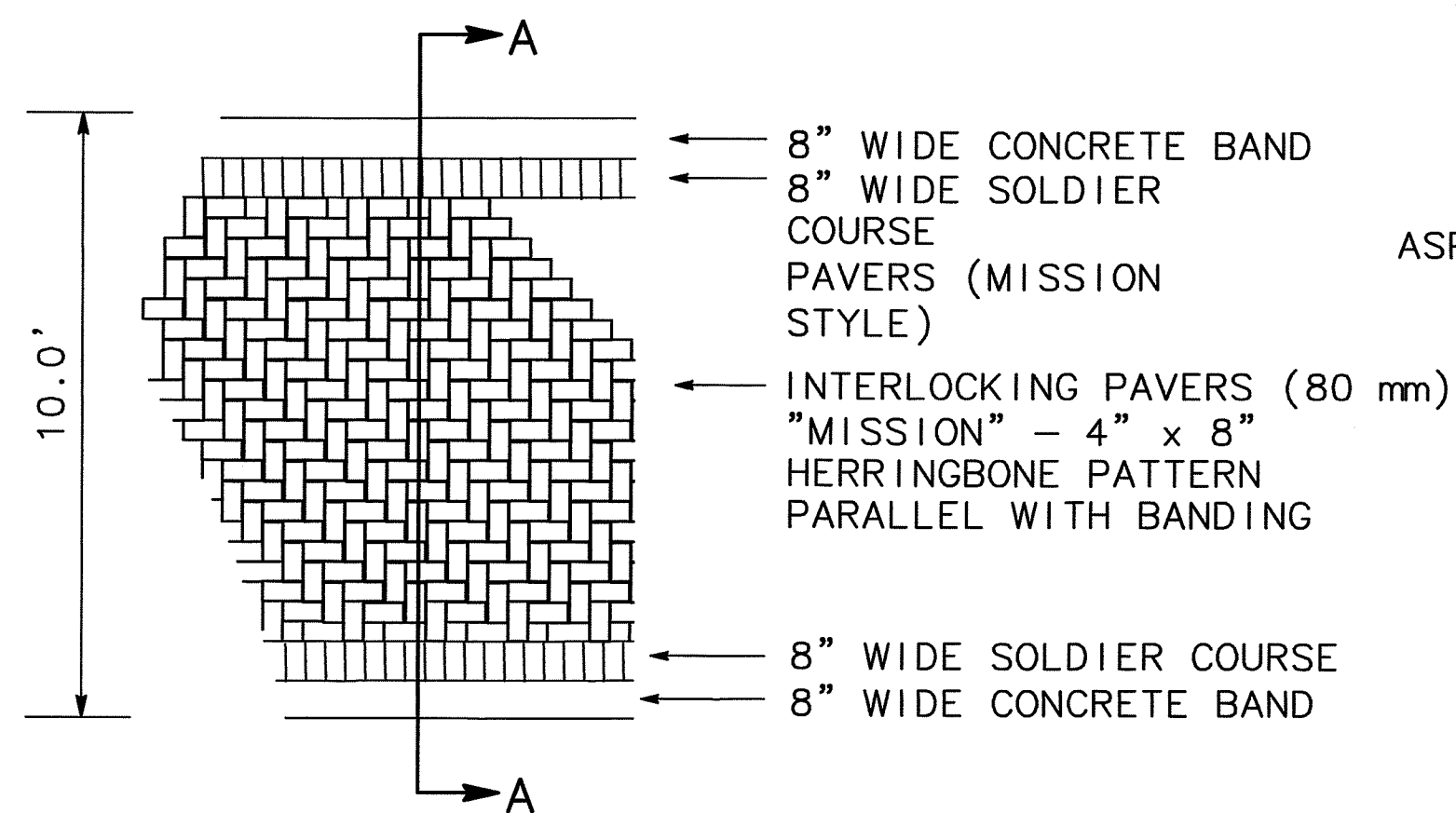
1 MODIFY SANITARY SEWER MANHOLE WITH ECCENTRIC CONE
C-4 NO SCALE



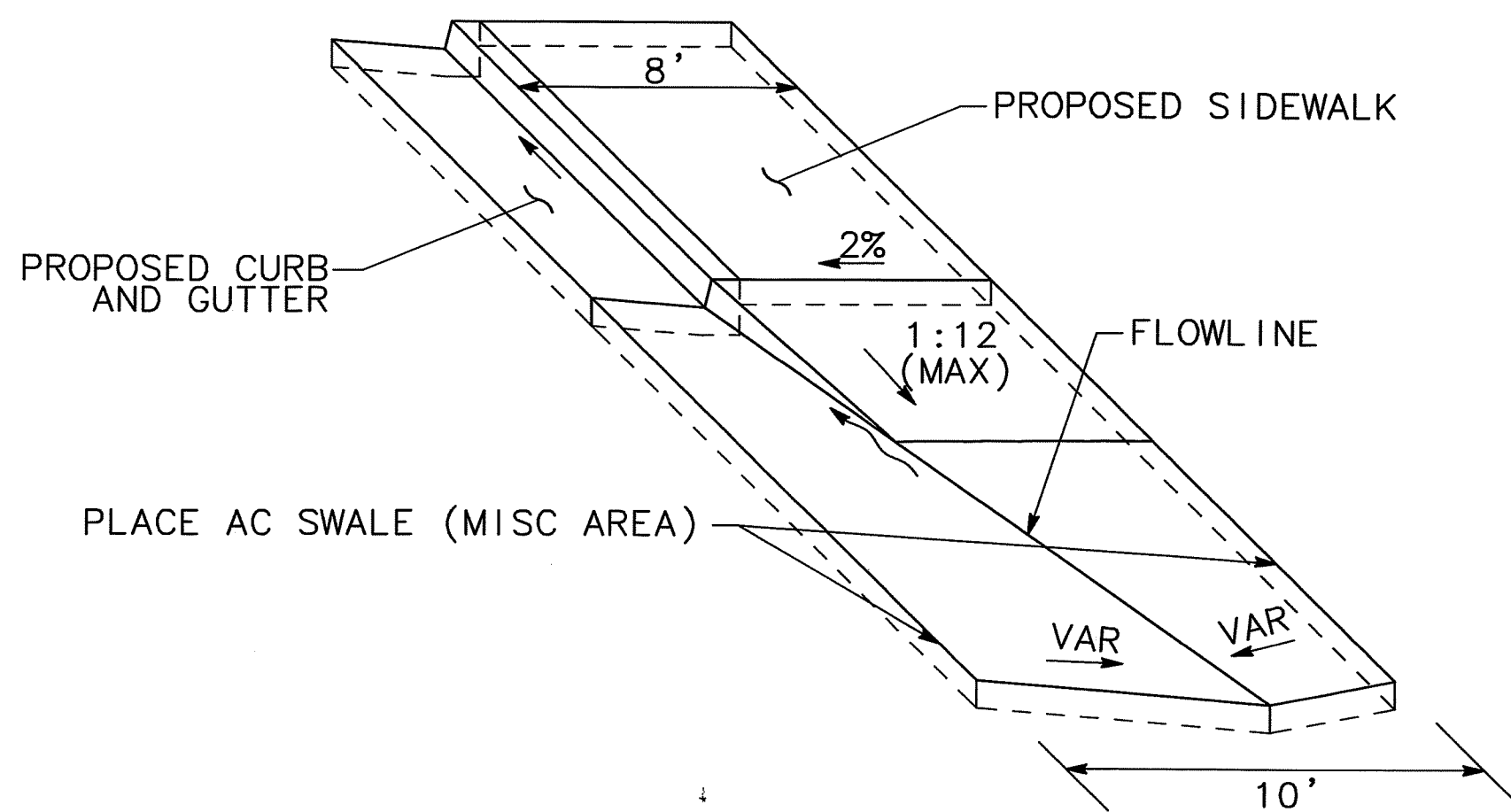
2 INTERLOCKING PAVERS (SIDEWALK)
C-4 NO SCALE



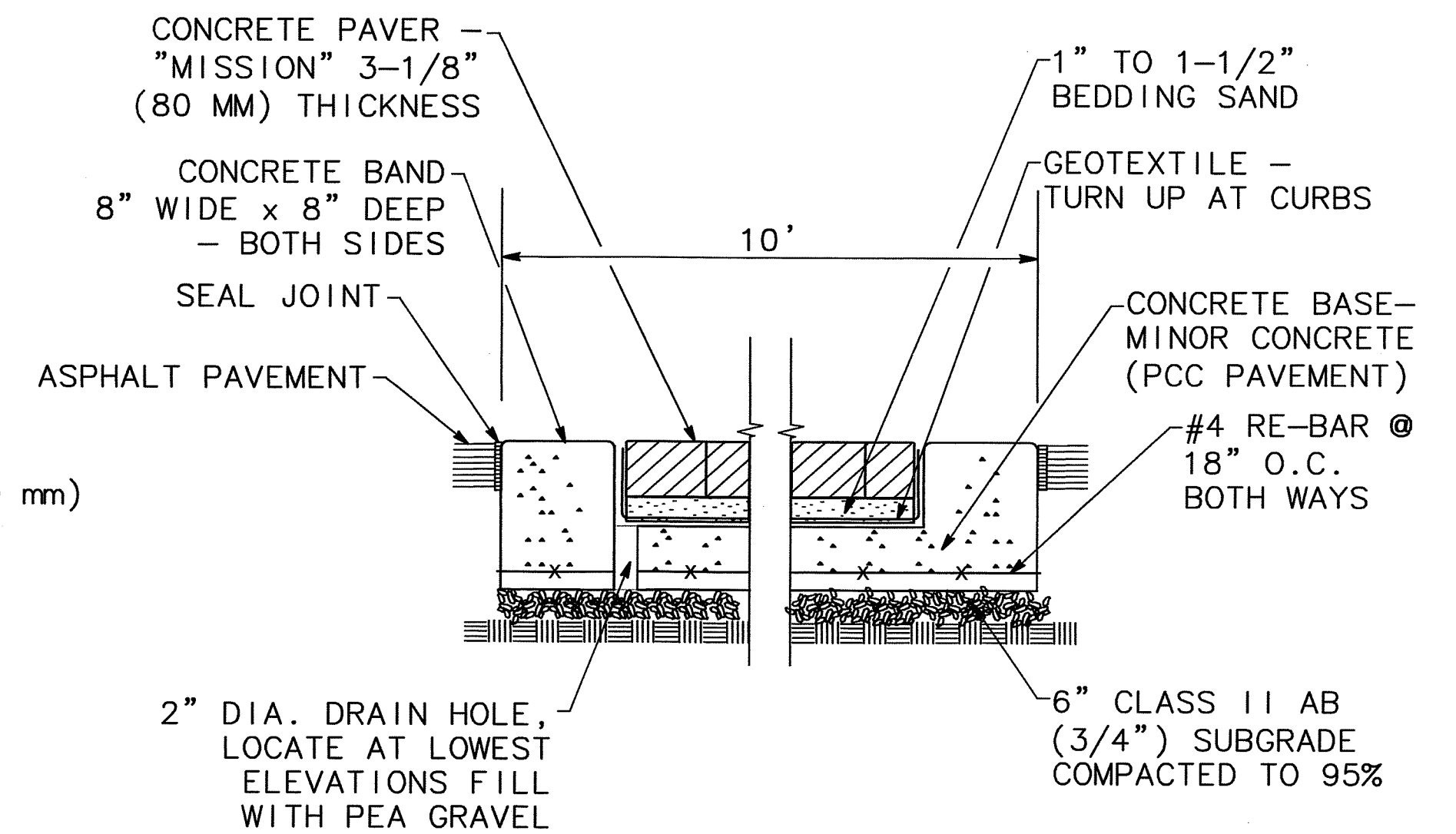
4 STAMPED CONCRETE MEDIANS
C-4 NO SCALE



3 INTERLOCKING PAVERS (CROSSWALK)
C-4 NO SCALE

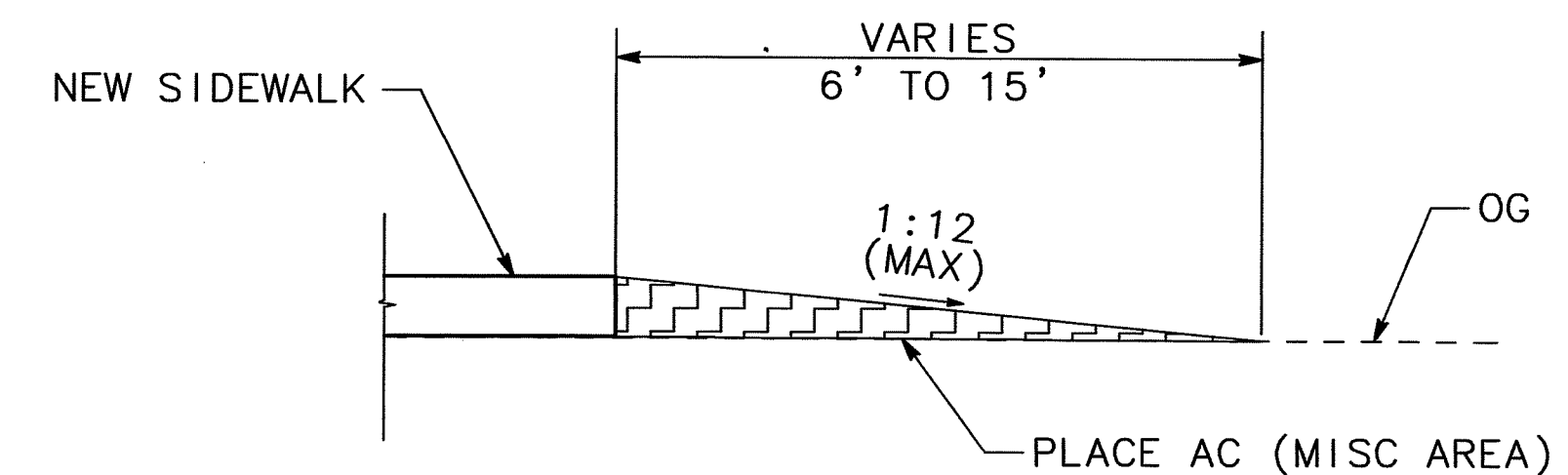


5 AC SWALE TRANSITION
C-4 NO SCALE

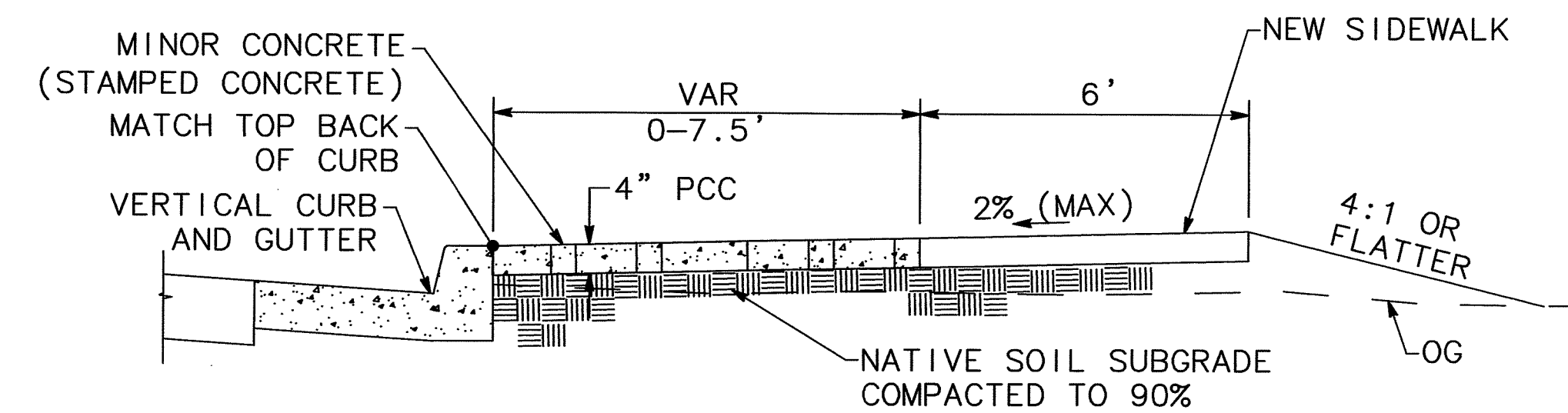


NOTE: SOLDIER COURSE ADJACENT TO CONC. BANDS, BOTH SIDES, SEE PLAN DETAIL.

SECTION A-A



6 AC RAMP (MISC AREA)
C-4 NO SCALE



7 STAMPED CONCRETE AT UPRR TRACKS
C-4 NO SCALE

C-4

BEFORE EXCAVATING
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UNDERGROUND SERVICE ALERT
800-227-2600
TOLL FREE
2 WORKING DAYS BEFORE ALL
PLANNED WORK OPERATIONS

DRAWN BY K. DAVIS	DATE 5/21/09	PROJECT ENGINEER J. PANCBURN	DATE 5/21/09	CHECKED C. ROCKWAY	DATE 5/21/09	APPROVAL RECOMMENDED <i>Ngige Zail</i>	DATE 5/21/09
FILE NAME	DRAWER	SHEET NO.	ACAD	REVISIONS	DATE		

Revision No.	Description	Date	By	Approved By

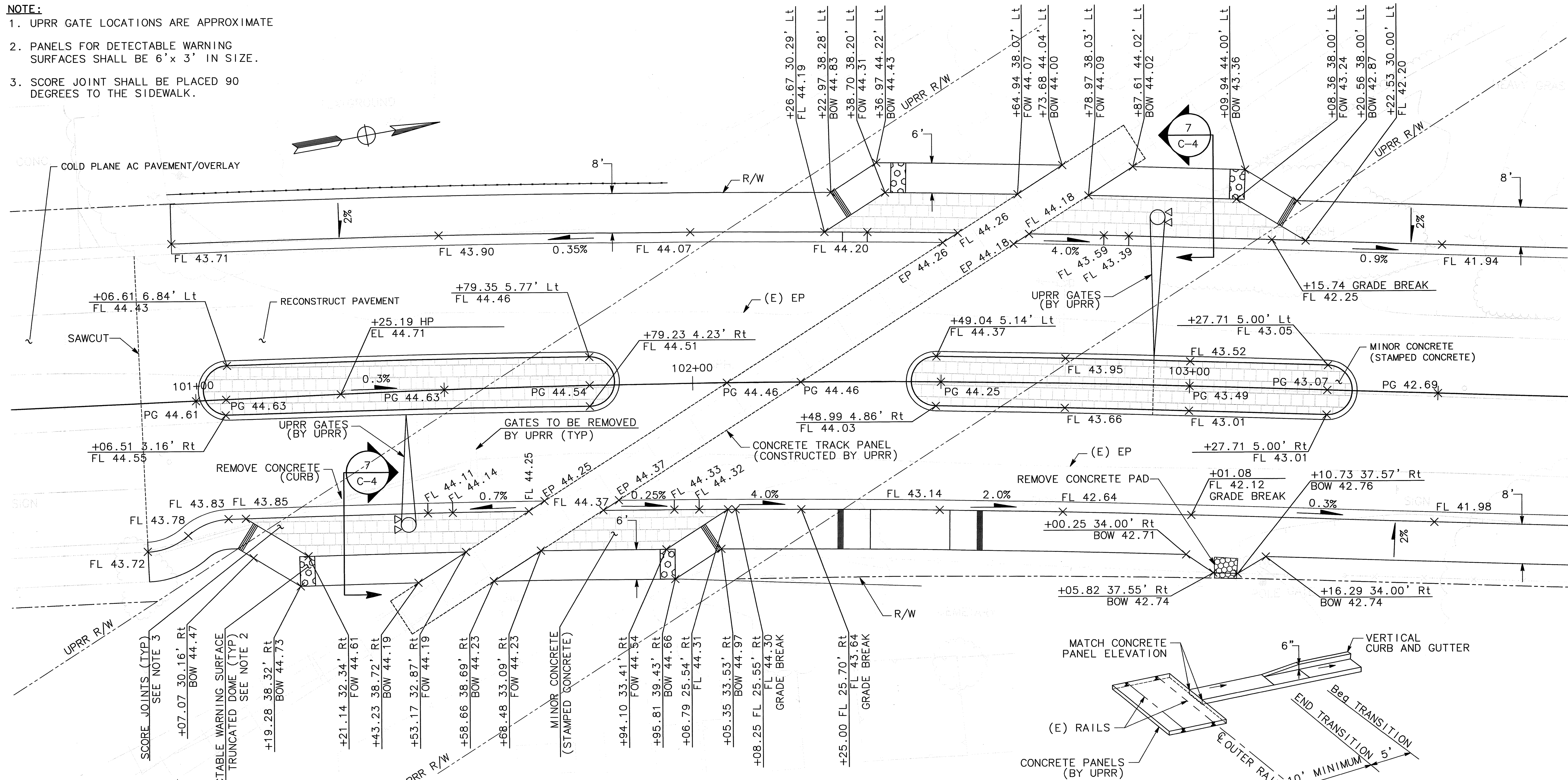
MARK THOMAS & COMPANY, INC.
7300 FOLSOM BOULEVARD, SUITE 203
SACRAMENTO, CALIFORNIA 95826
(916) 381-9100

PROFESSIONAL
REGISTERED CIVIL ENGINEER
No. 35370
Exp. 9/30/09
CIVIL
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
SAN JOAQUIN COUNTY, CALIFORNIA

SU-5023

- NOTE:**
1. UPRR GATE LOCATIONS ARE APPROXIMATE
 2. PANELS FOR DETECTABLE WARNING SURFACES SHALL BE 6' x 3' IN SIZE.
 3. SCORE JOINT SHALL BE PLACED 90 DEGREES TO THE SIDEWALK.



1 LOWER SACRAMENTO RD
C-3 UPRR CROSSING DETAIL

2 CURB AND GUTTER TRANSITION
C-3 NO SCALE

C-3

Su-5024

BEFORE EXCAVATING
CALL U.S.A.
UNDERGROUND SERVICE ALERT
800-227-2600
TOLL FREE
2 WORKING DAYS BEFORE ALL
PLANNED WORK OPERATIONS

DRAWN BY	DATE	PROJECT ENGINEER	DATE	CHECKED	DATE	APPROVAL RECOMMENDED	DATE
K. DAVIS	5/21/09	J. PANGBURN	5/21/09	C. ROCKWAY	5/21/09	<i>[Signature]</i>	5/21/09

Revision No.	Description	Date	By	Approved By

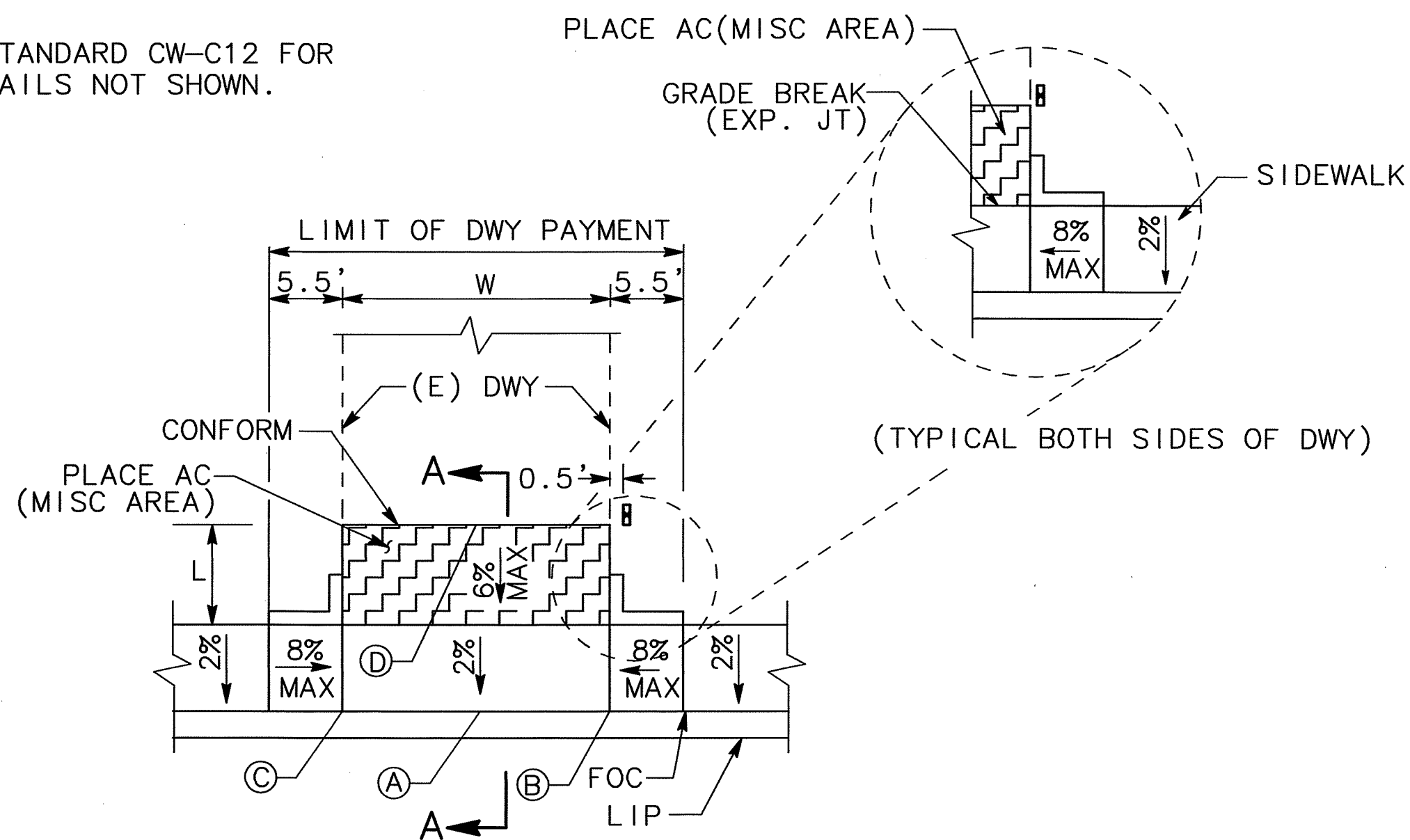
MARK THOMAS & COMPANY, INC.
7300 FOLSOM BOULEVARD, SUITE 203
SACRAMENTO, CALIFORNIA 95826
(916) 381-9100

PROFESSIONAL REGISTERED CIVIL ENGINEER
[Signature]
No. 35370
Exp. 9/30/09
CIVIL
STATE OF CALIFORNIA

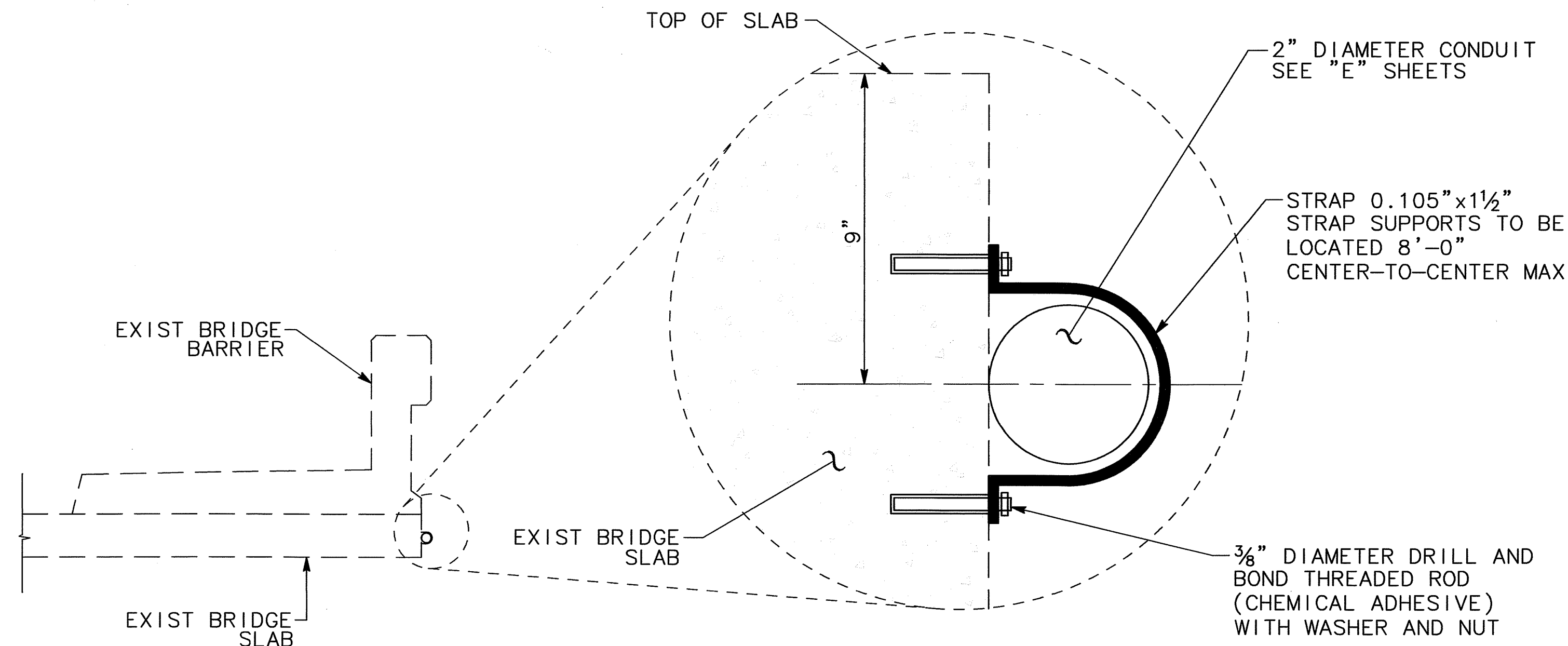
DEPARTMENT OF PUBLIC WORKS
SAN JOAQUIN COUNTY, CALIFORNIA

NOTE:

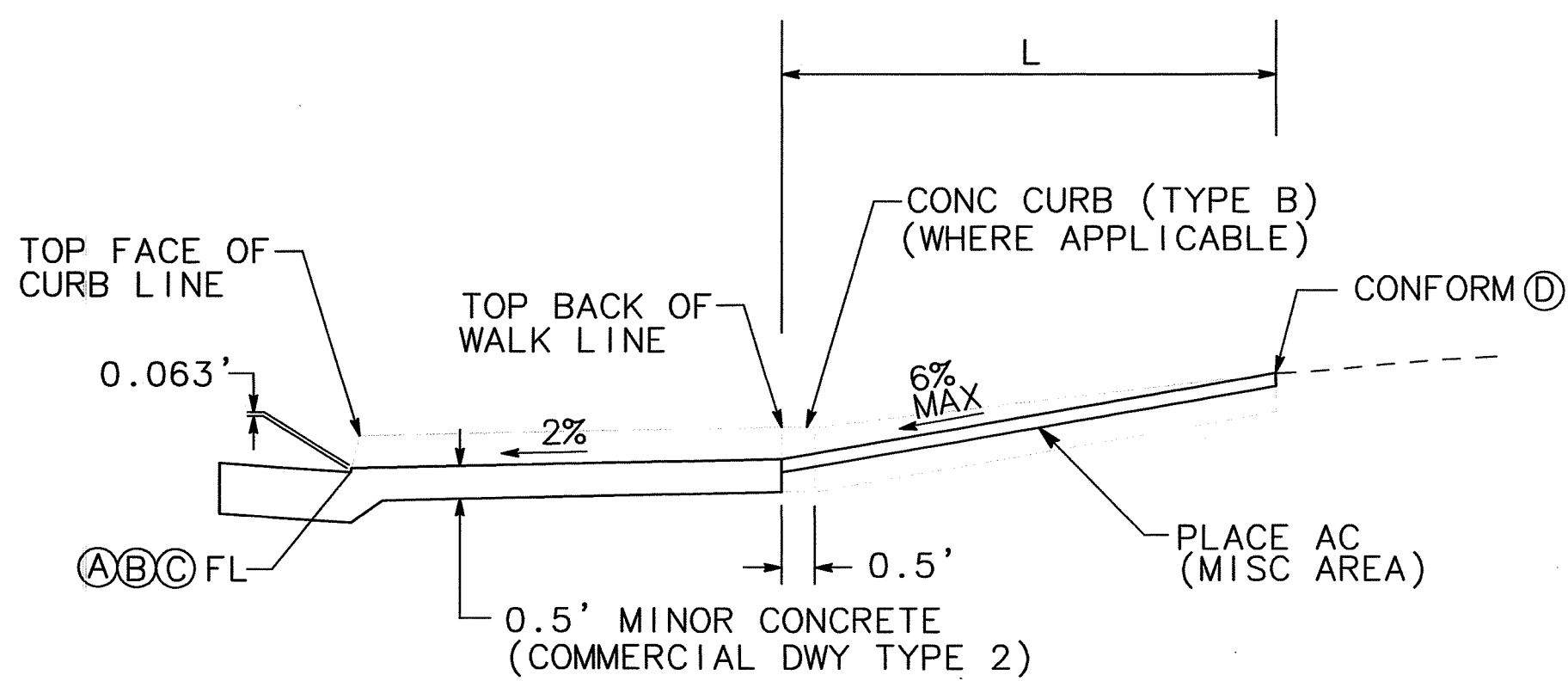
1. SEE COUNTY STANDARD CW-C12 FOR DRIVEWAY DETAILS NOT SHOWN.



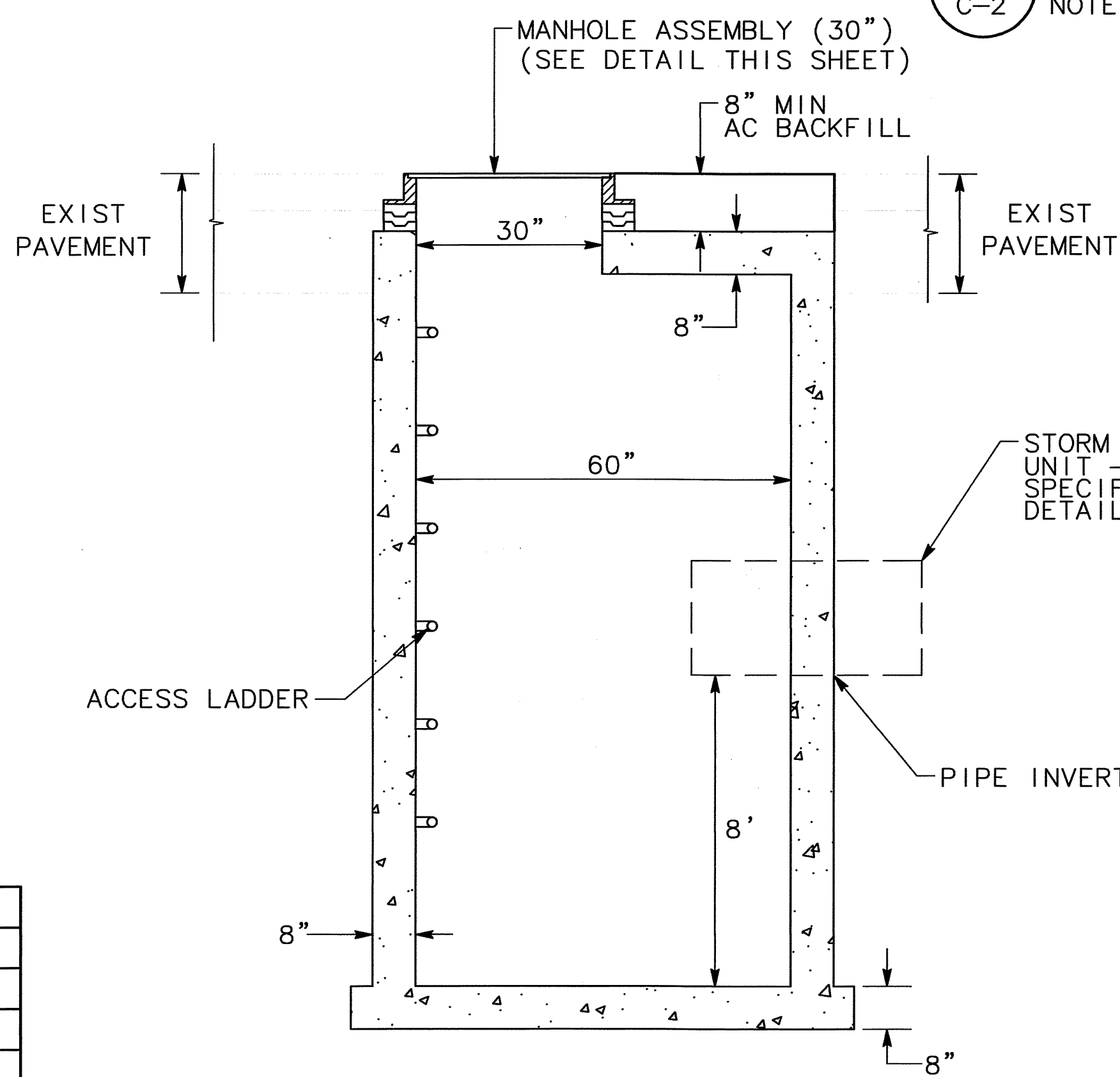
1 TYPE 2 COMMERCIAL DRIVEWAY
C-2 NO SCALE



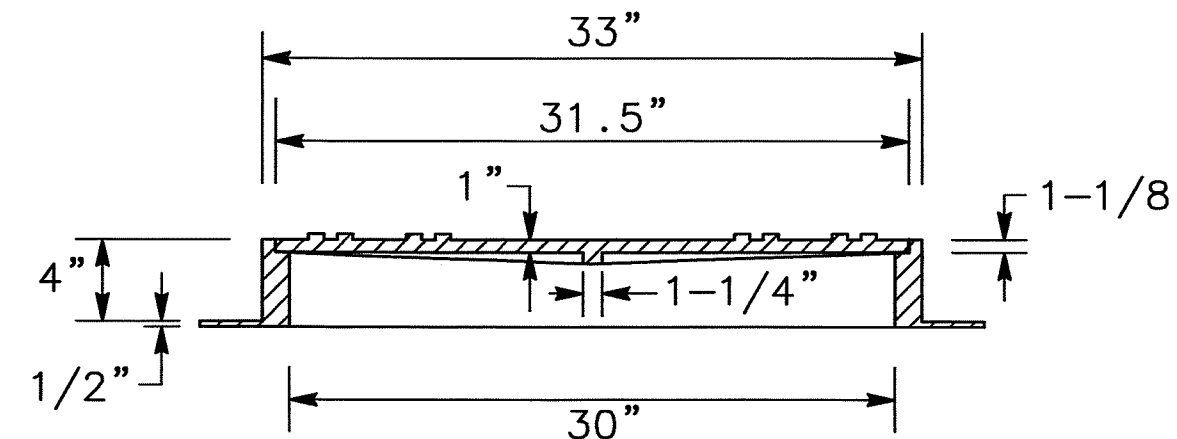
2 2" CONDUIT HANGER
C-2 NOTE: ALL HARDWARE TO BE GALVANIZED
NO SCALE



SECTION A-A
NO SCALE



3 60" STORM DRAIN MANHOLE
C-2 C.O.L. MODIFIED (SDMH 2 & 2A)
NO SCALE



MANHOLE ASSEMBLY (30")
NO SCALE

TYPE 2 COMMERCIAL DRIVEWAY SUMMARY

DRIVEWAY LOCATION	W (ft)	L (ft)	A	B	C	D
"LSR" 102+43.88	16	-	43.77	43.61	43.93	-
"LSR" 104+19.66	16	9	41.99	41.94	42.04	42.71
"LSR" 105+01.73	16	15	42.49	42.45	42.54	43.59
"LSR" 105+84.76	20	12	43.00	42.94	42.98	43.86
"LSR" 107+11.86	20	11	43.06	43.03	43.09	43.87
"LSR" 107+32.05*	25	15	43.26	43.34	43.19	44.37
"LSR" 108+66.04	30	10	43.27	43.33	43.22	44.04
"LSR" 110+20.29	24	10	43.03	42.91	43.15	43.83

* POINT B AND C ARE REVERSED FOR THIS DRIVEWAY

BEFORE EXCAVATING CALL U.S.A. UNDERGROUND SERVICE ALERT 800-227-2600 TOLL FREE 2 WORKING DAYS BEFORE ALL PLANNED WORK OPERATIONS

DRAWN BY	DATE	PROJECT ENGINEER	DATE	CHECKED	DATE	APPROVAL RECOMMENDED	DATE
K. DAVIS	5/21/09	J. PANGBURN	5/21/09	C. ROCKWAY	5/21/09	<i>Naige Zarf</i>	5/29/09

Revision No.	Description	Date	By	Approved By

MARK THOMAS & COMPANY, INC.
7300 FOLSOM BOULEVARD, SUITE 203
SACRAMENTO, CALIFORNIA 95826
(916) 381-9100

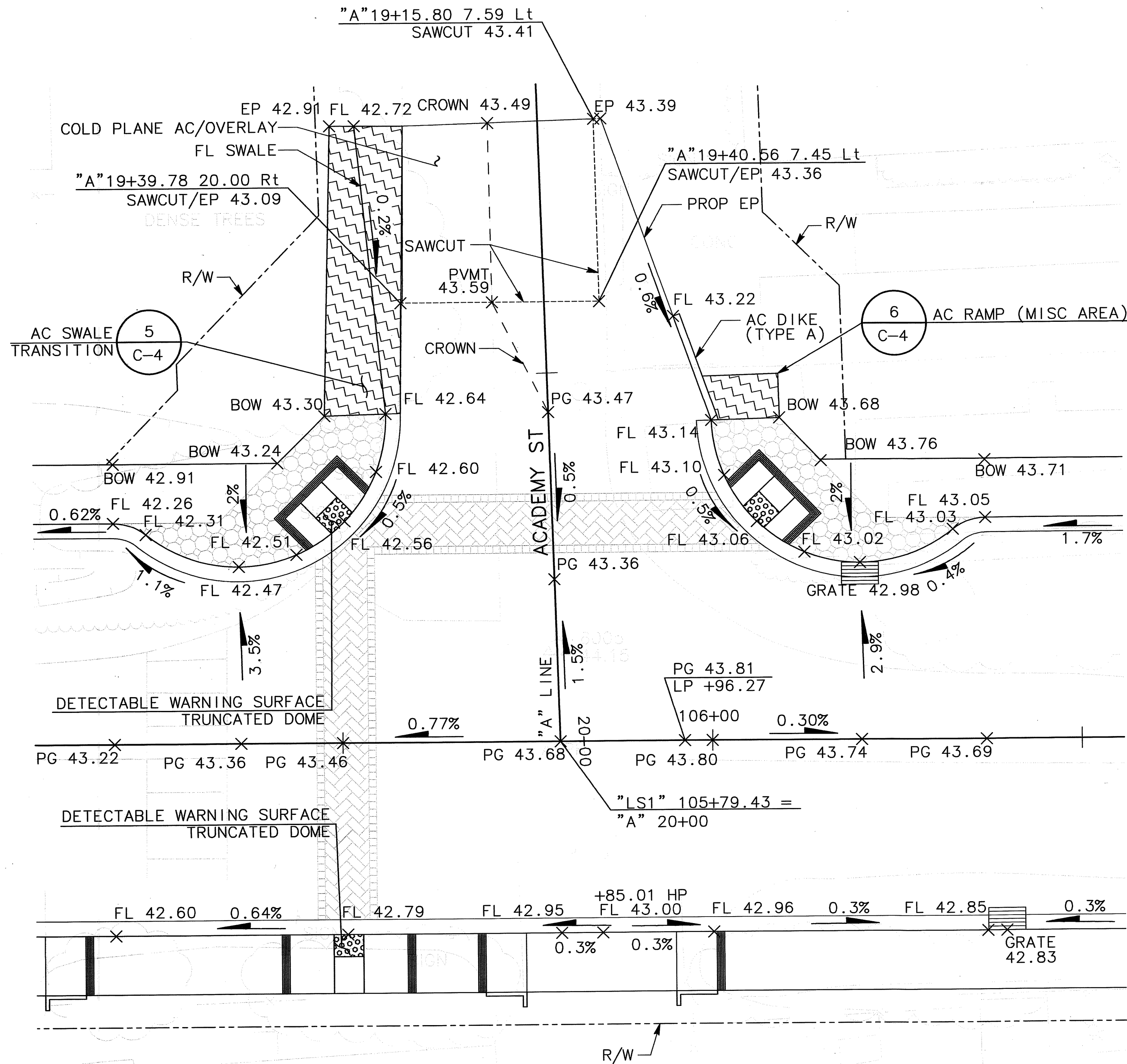
PROFESSIONAL REGISTERED CIVIL ENGINEER
Charles H. Rockway
No. 35370
Exp. 9/30/09
CIVIL
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
SAN JOAQUIN COUNTY, CALIFORNIA

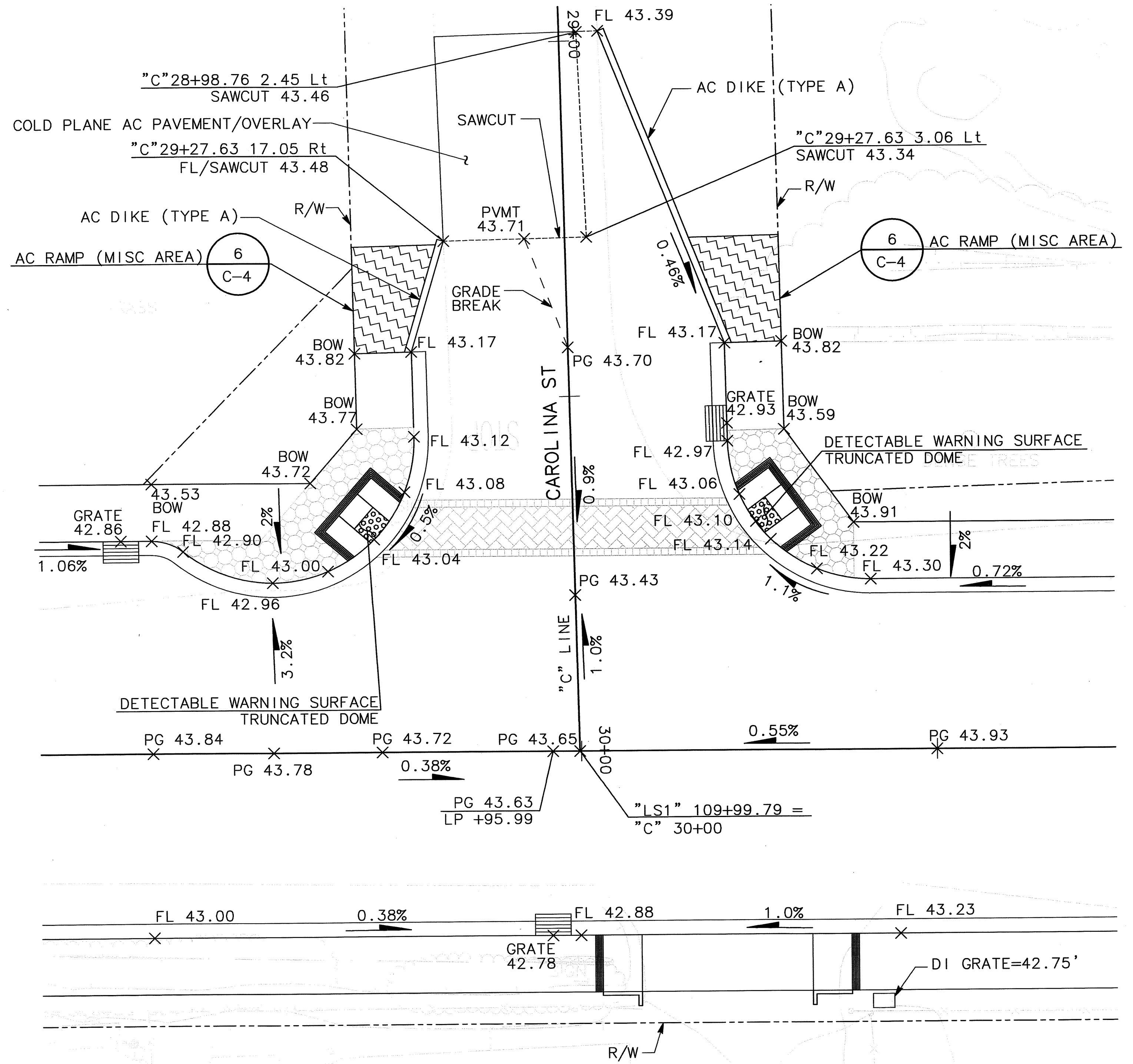
COUNTY OF SAN JOAQUIN SCALE: NO SCALE CONSTRUCTION DETAILS LOWER SACRAMENTO ROAD IMPROVEMENTS TURNER ROAD TO WOODBRIDGE ROAD - PHASE 2 SHEET NO. 9 TOTAL SHEETS 31

C-2

SU-5025



1 LOWER SACRAMENTO RD AND ACADEMY ST INTERSECTION DETAIL
C-1

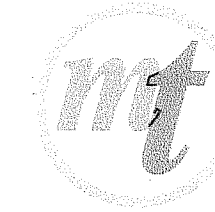


2 LOWER SACRAMENTO RD AND CAROLINA ST INTERSECTION DETAIL
C-1

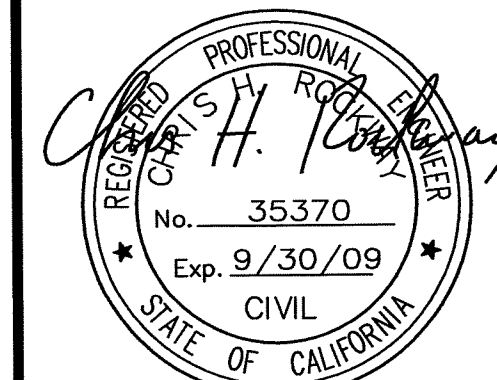
BEFORE EXCAVATING
CALL U.S.A.
UNDERGROUND SERVICE ALERT
800-227-2600
TOLL FREE
2 WORKING DAYS BEFORE ALL
PLANNED WORK OPERATIONS

DRAWN BY	DATE	PROJECT ENGINEER	DATE	CHECKED	DATE	APPROVAL RECOMMENDED	DATE
K. DAVIS	5/21/09	J. PANGBURN	5/21/09	C. ROCKWAY	5/21/09	<i>Naige Z-p</i>	5/21/09
FILE NAME	DRAWER	SHEET NO.	ACAD	REVISIONS	DATE		

Revision No.	Description	Date	By	Approved By



MARK THOMAS & COMPANY, INC.
7300 FOLSOM BOULEVARD, SUITE 203
SACRAMENTO, CALIFORNIA 95826
(916) 381-9100



DEPARTMENT OF PUBLIC WORKS
SAN JOAQUIN COUNTY, CALIFORNIA

COUNTY OF SAN JOAQUIN

SCALE: 1"=10'

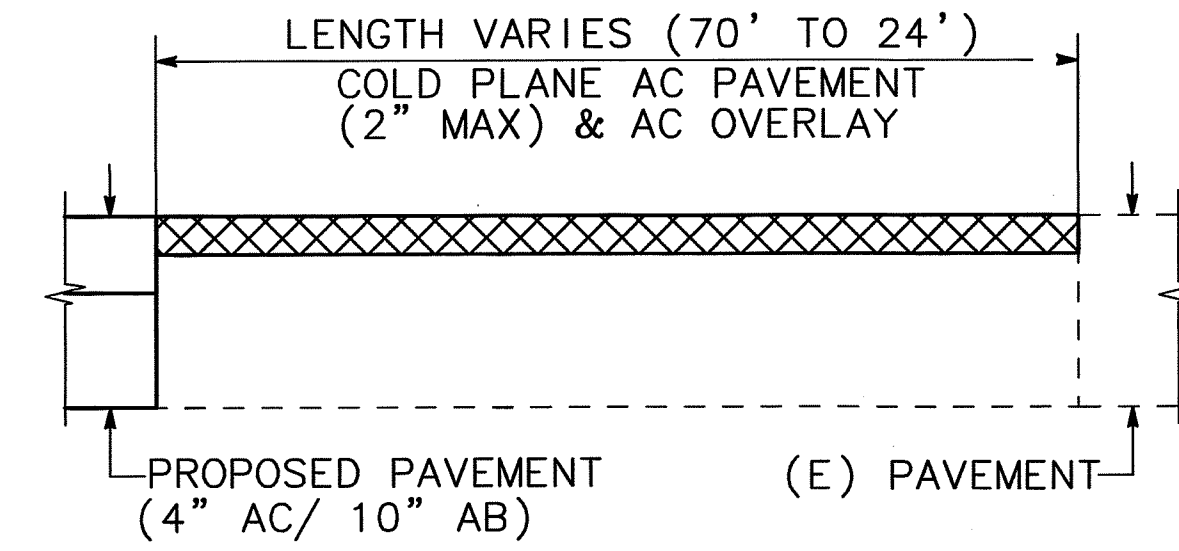
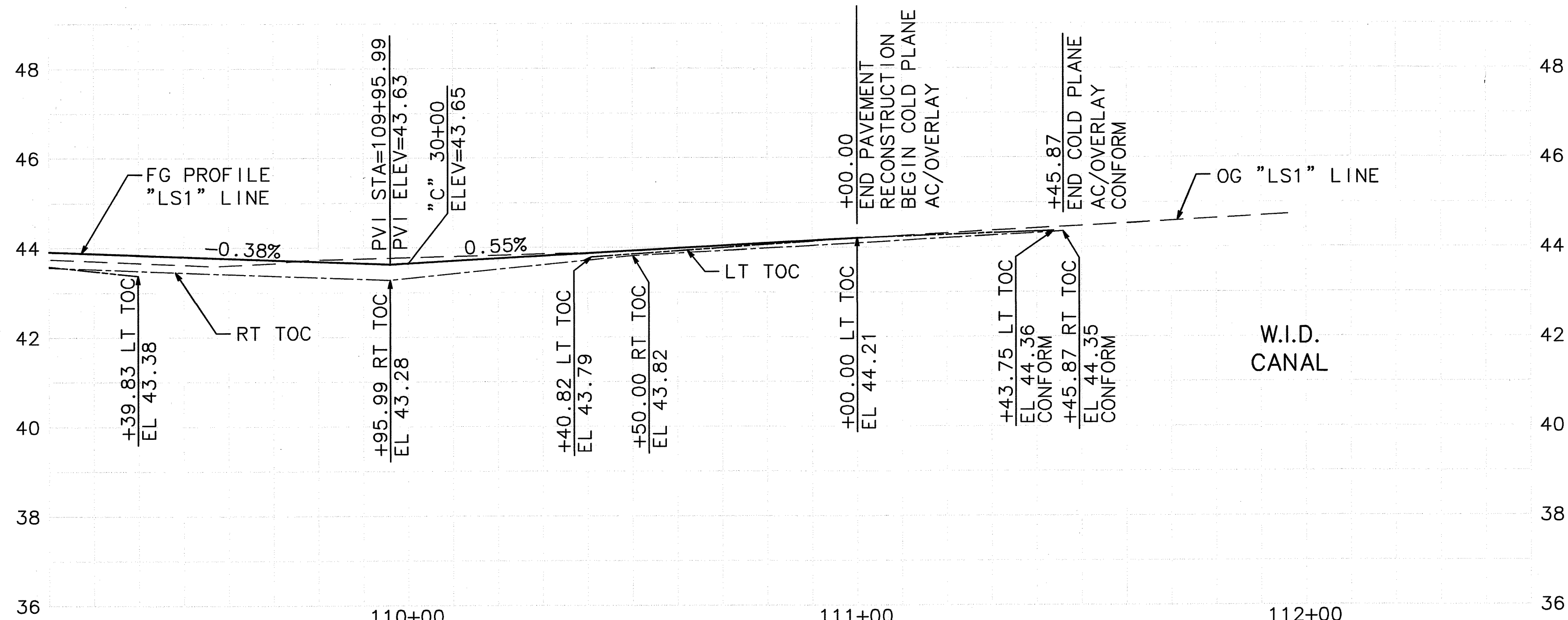
CONSTRUCTION
DETAILS

LOWER SACRAMENTO ROAD IMPROVEMENTS
TURNER ROAD TO WOODBRIDGE ROAD - PHASE 2

SHEET NO.	TOTAL SHEETS
8	31

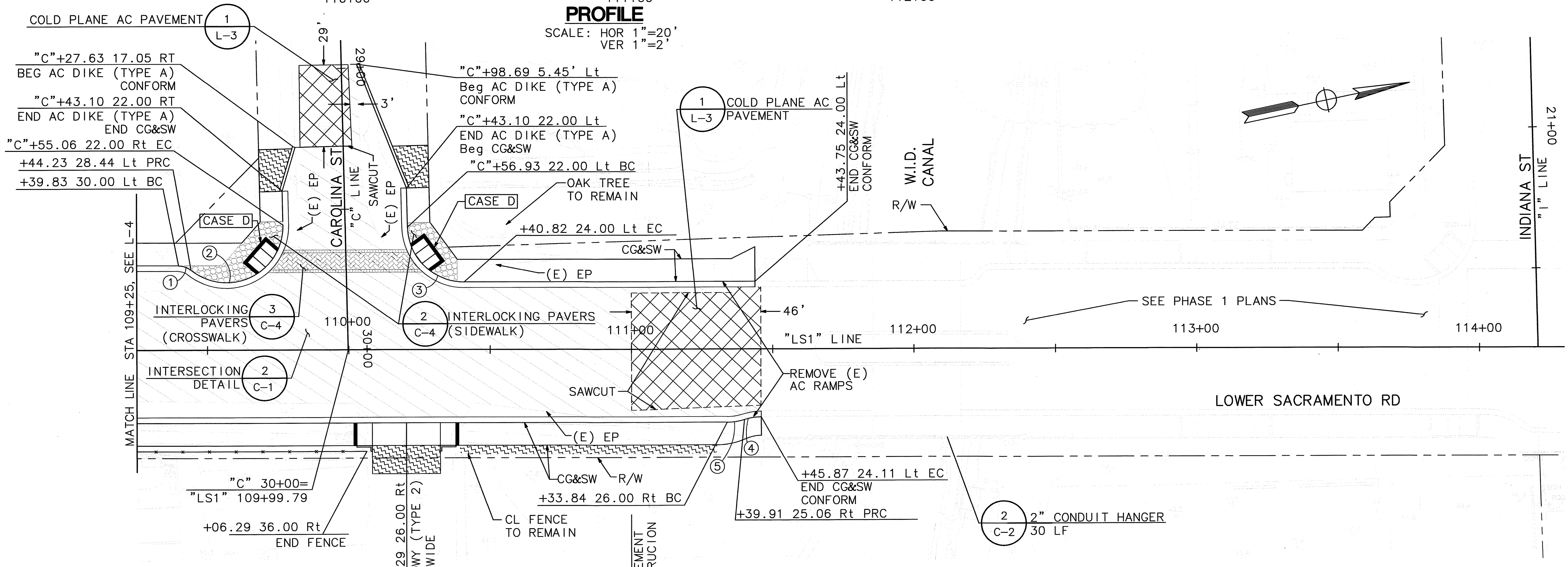
C-1

SU-5026



1 COLD PLANE AC PAVEMENT
L-3 NO SCALE

PROFILE
SCALE: HOR 1"=20'
VER 1"=2'

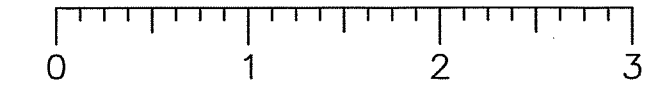


CURVE DATA

○	RADIUS	△	TANGENT	LENGTH
1	7.00'	38°56'33"	2.47'	4.76'
2	20.00'	130°13'02"	43.10'	45.45'
3	20.00'	88°43'31"	19.56'	30.97'
4	20.00'	17°20'34"	3.05'	6.05'
5	20.00'	17°40'27"	3.11'	6.17'

PLAN
SCALE: 1"=20'

ORIGINAL SCALE IN INCHES
FOR REDUCED PLAN



Revision No.	Description	Date	By	Approved By

MARK THOMAS & COMPANY, INC.
7300 FOLSOM BOULEVARD, SUITE 203
SACRAMENTO, CALIFORNIA 95826
(916) 381-9100

PROFESSIONAL
REGISTERED CIVIL ENGINEER
No. 35370
Exp. 9/30/09
CIVIL
STATE OF CALIFORNIA

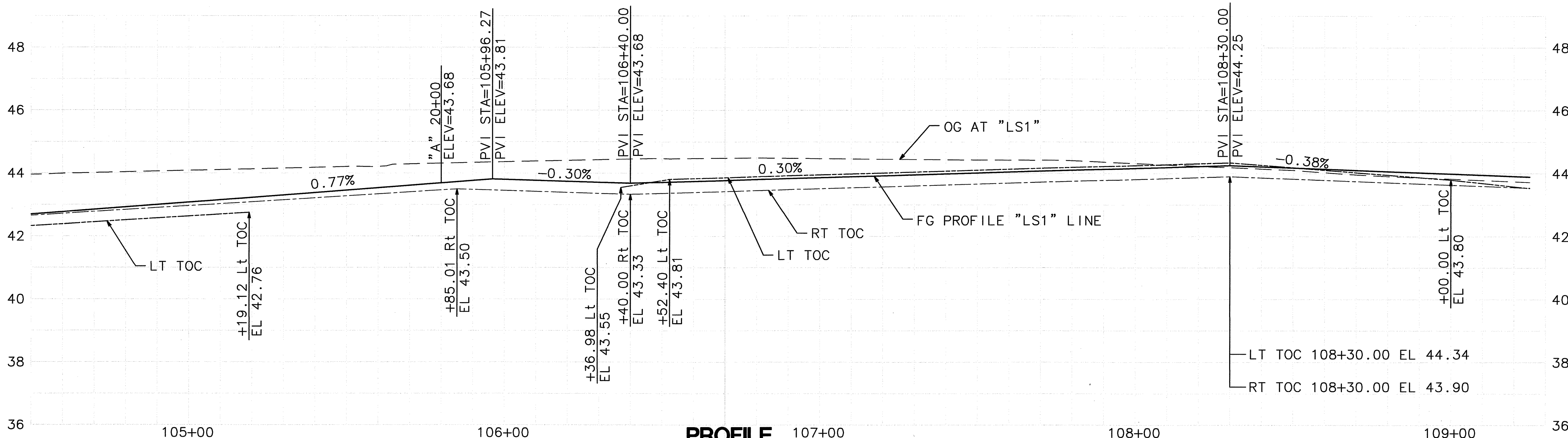
DEPARTMENT OF PUBLIC WORKS
SAN JOAQUIN COUNTY, CALIFORNIA

L-3

BEFORE EXCAVATING
CALL U.S.A.
UNDERGROUND SERVICE ALERT
800-227-2600
TOLL FREE
2 WORKING DAYS BEFORE ALL
PLANNED WORK OPERATIONS

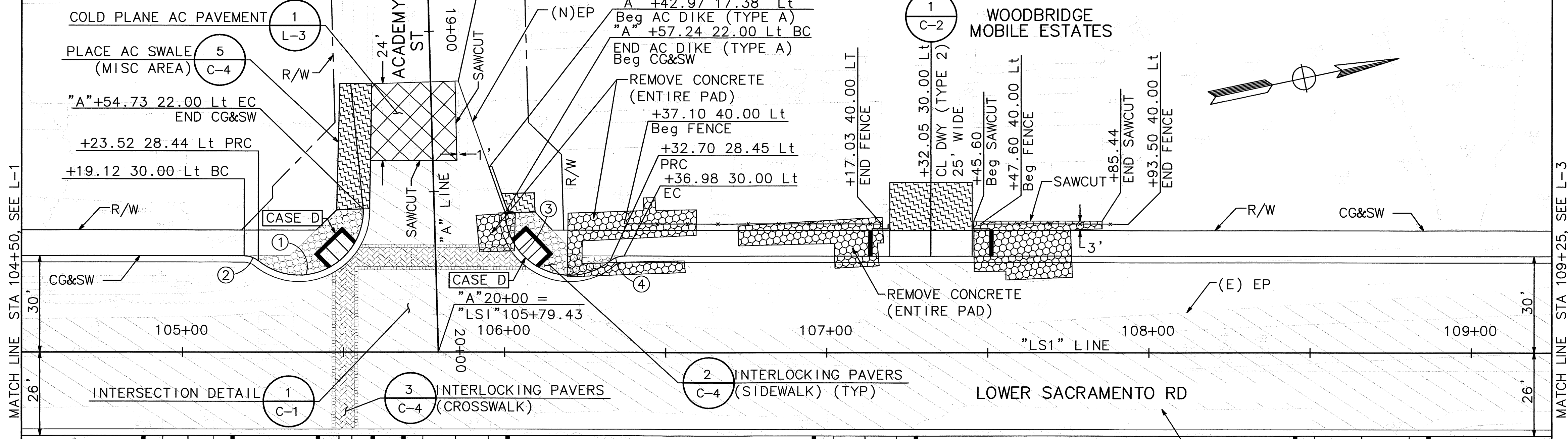
DRAWN BY K. DAVIS	DATE 5/21/09	PROJECT ENGINEER J. PANGBURN	DATE 5/21/09	CHECKED C. ROCKWAY	DATE 5/21/09	APPROVAL RECOMMENDED <i>[Signature]</i>	DATE 5/21/09
FILE NAME	DRAWER	SHEET NO.	ACAD	REVISIONS	DATE		

SU-5027



PROFILE

SCALE: HOR 1"=20'
VER 1"=2'



PLAN

SCALE: 1"=20'

CURVE DATA

Curve No.	RADIUS	Δ	TANGENT	LENGTH
1	20.00'	130°39'16"	43.54'	45.61'
2	7.00'	38°56'33"	2.47'	4.76'
3	20.00'	127°13'49"	40.32'	44.41'
4	7.00'	38°56'33"	2.47'	4.76'

L-2

BEFORE EXCAVATING
CALL U.S.A.
UNDERGROUND SERVICE ALERT
800-227-2600
TOLL FREE
2 WORKING DAYS BEFORE ALL
PLANNED WORK OPERATIONS

DRAWN BY K. DAVIS	DATE 5/21/09	PROJECT ENGINEER J. PANGBURN	DATE 5/21/09	CHECKED C. ROCKWAY	DATE 5/21/09	APPROVAL RECOMMENDED <i>[Signature]</i>	DATE 5/21/09
FILE NAME	DRAWER	SHEET NO.	ACAD	REVISIONS	DATE		

Revision No.	Description	Date	By	Approved By

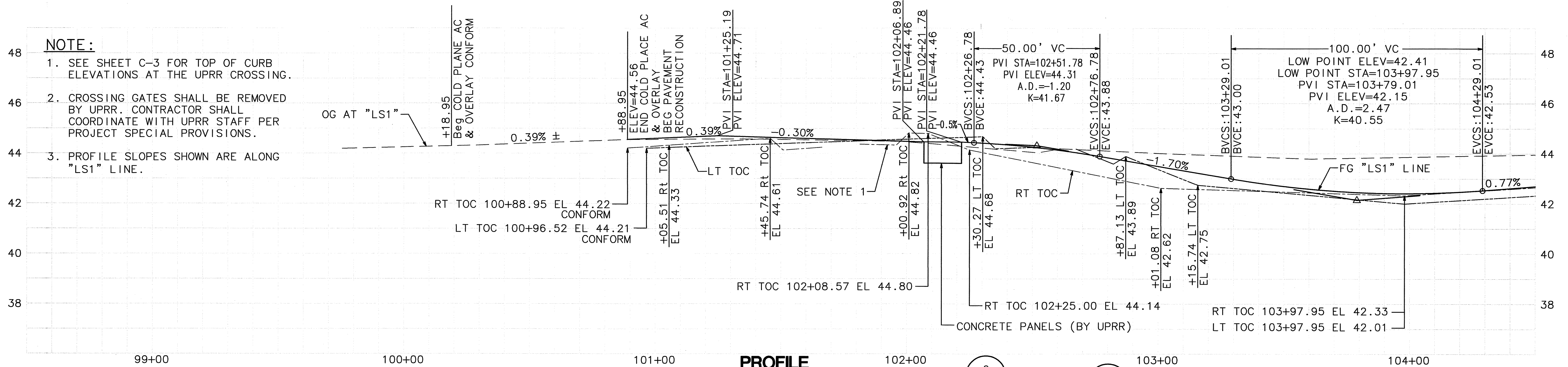
MARK THOMAS & COMPANY, INC.
7300 FOLSOM BOULEVARD, SUITE 203
SACRAMENTO, CALIFORNIA 95826
(916) 381-9100

PROFESSIONAL
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STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
SAN JOAQUIN COUNTY, CALIFORNIA

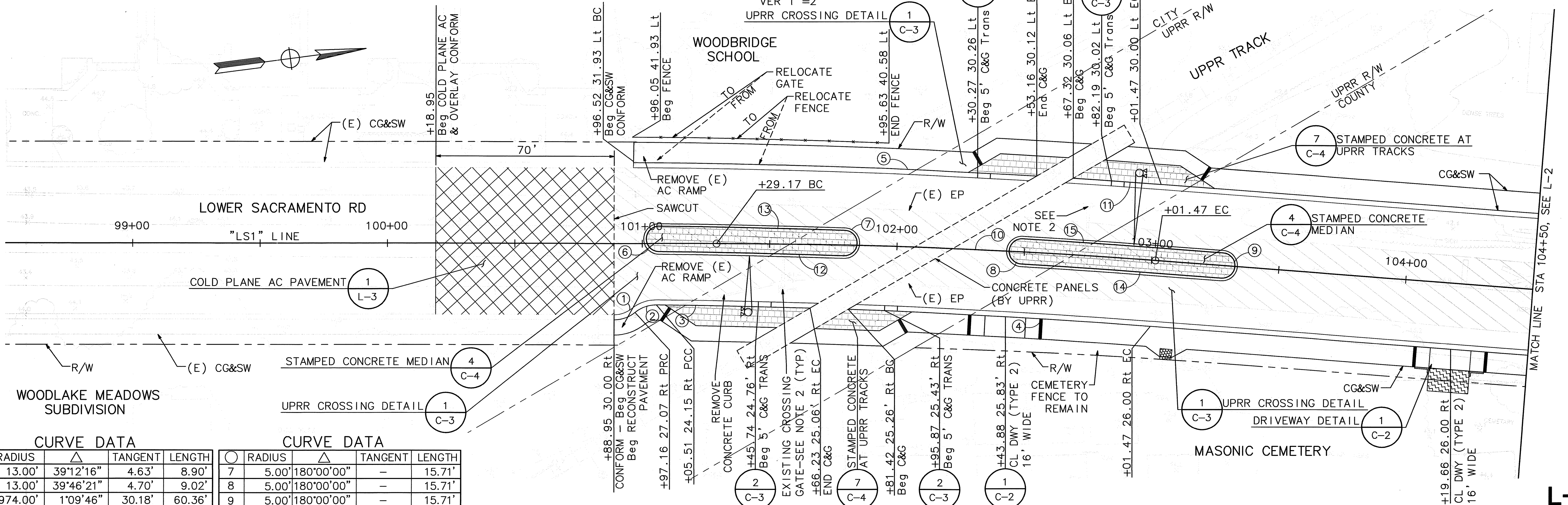
NOTE:

1. SEE SHEET C-3 FOR TOP OF CURB ELEVATIONS AT THE UPRR CROSSING.
2. CROSSING GATES SHALL BE REMOVED BY UPRR. CONTRACTOR SHALL COORDINATE WITH UPRR STAFF PER PROJECT SPECIAL PROVISIONS.
3. PROFILE SLOPES SHOWN ARE ALONG "LS1" LINE.



PROFILE

SCALE: HOR 1"=20'
VER 1"=2'



PLAN

SCALE: 1"=20'

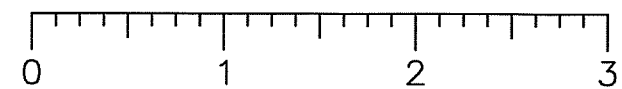
CURVE DATA

○	RADIUS	Δ	TANGENT	LENGTH
1	13.00'	39°12'16"	4.63'	8.90'
2	13.00'	39°46'21"	4.70'	9.02'
3	2974.00'	1°09'46"	30.18'	60.36'
4	2974.00'	2°17'13"	59.36'	118.71'
5	3030.00'	2°59'37"	79.17'	158.31'
6	5.00'	180°00'00"	-	15.71'

CURVE DATA

○	RADIUS	Δ	TANGENT	LENGTH
7	5.00'	180°00'00"	-	15.71'
8	5.00'	180°00'00"	-	15.71'
9	5.00'	180°00'00"	-	15.71'
10	2292.31'	4°18'24"	86.19'	172.30'
11	3030.00'	0°39'15"	17.30'	34.60'
12	2995.00'	01°23'23"	36.32'	72.65'
13	3005.00'	01°23'23"	36.45'	72.89'
14	2995.00'	01°00'07"	26.18'	52.37'
15	3005.00'	01°00'07"	26.27'	52.54'

ORIGINAL SCALE IN INCHES
FOR REDUCED PLAN



Revision No.	Description	Date	By	Approved By

MARK THOMAS & COMPANY, INC.
7300 FOLSOM BOULEVARD, SUITE 203
SACRAMENTO, CALIFORNIA 95826
(916) 381-9100

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REGISTERED CIVIL ENGINEER
No. 35370
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STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
SAN JOAQUIN COUNTY, CALIFORNIA

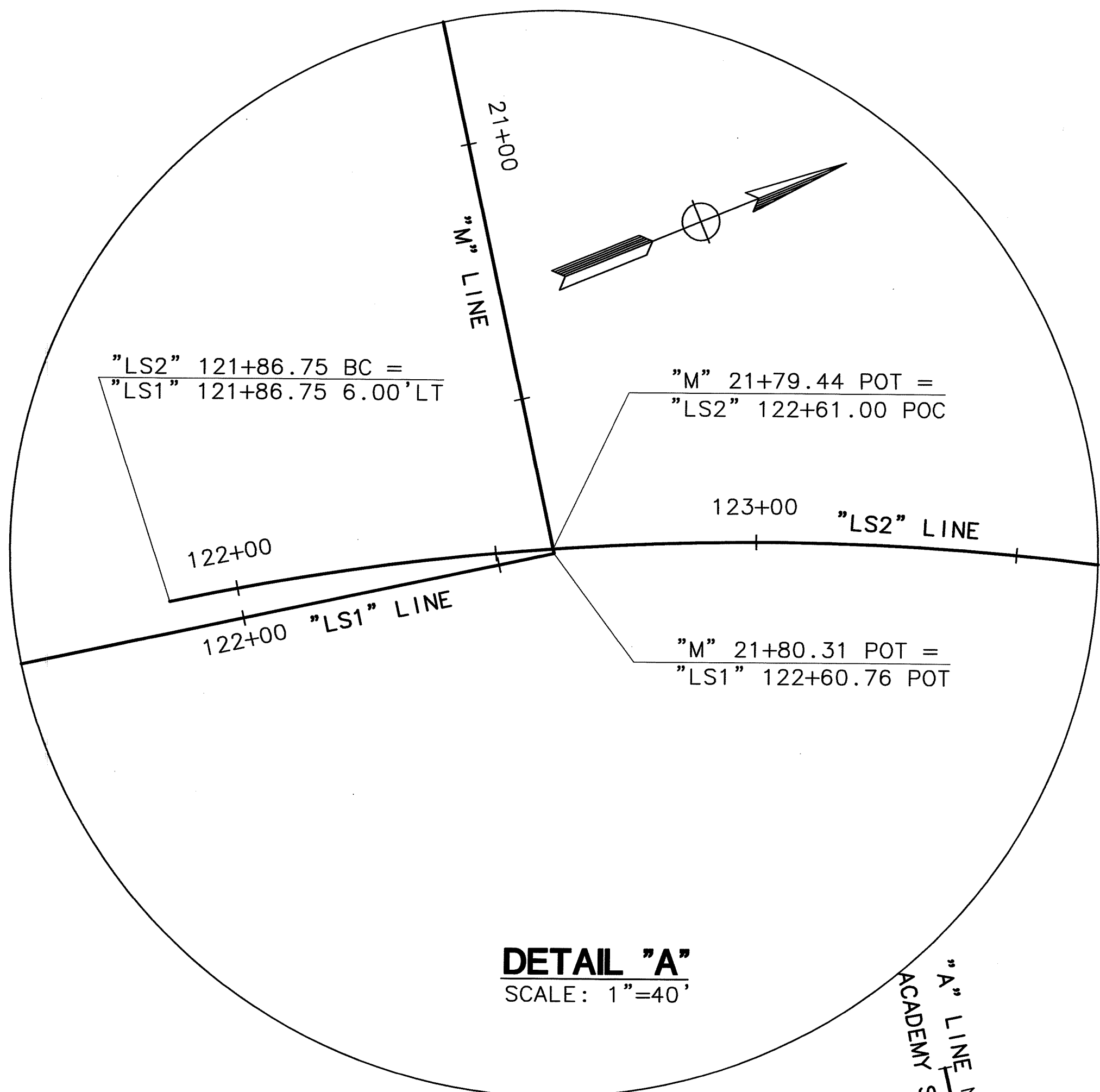
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TOLL FREE
2 WORKING DAYS BEFORE ALL
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DRAWN BY	DATE	PROJECT ENGINEER	DATE	CHECKED	DATE	APPROVAL RECOMMENDED	DATE
K. DAVIS	5/21/09	J. PANGBURN	5/21/09	C. ROCKWAY	5/21/09	<i>Deigo Z...</i>	5/21/09

COUNTY OF SAN JOAQUIN SCALE: 1"=20' ROADWAY LAYOUTS
LOWER SACRAMENTO ROAD IMPROVEMENTS
TURNER ROAD TO WOODBRIDGE ROAD - PHASE 2

SHEET NO.	TOTAL SHEETS
5	31

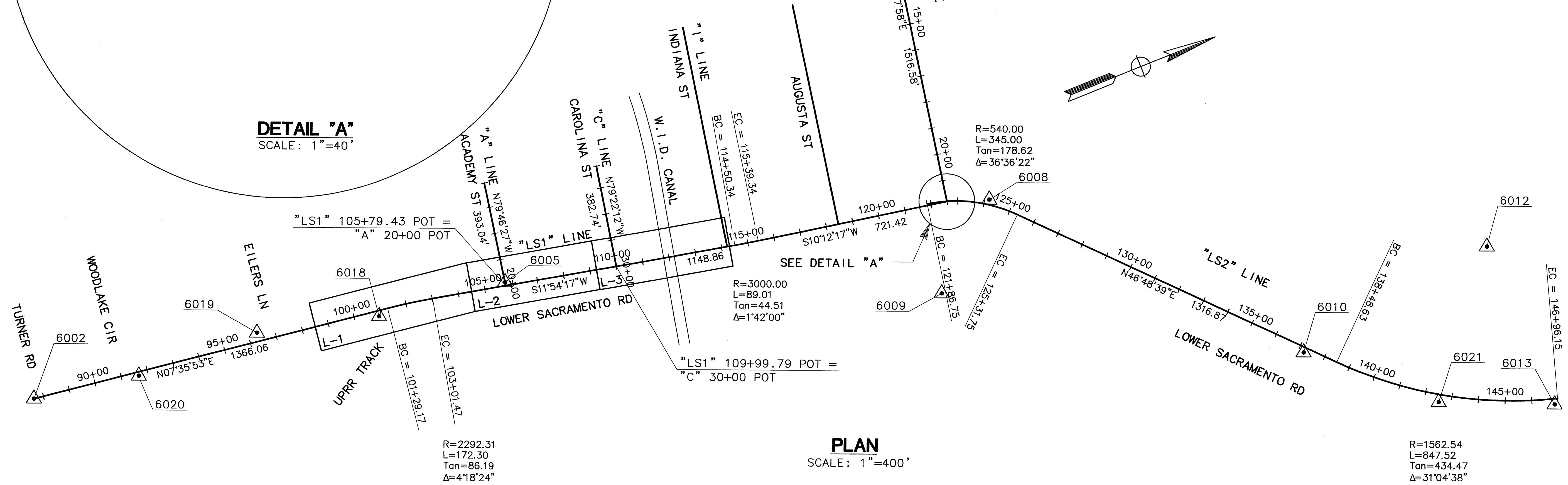
SA-5029



PROJECT CONTROL POINTS

POINT No.	STATION	OFFSET*	NORTHING	EASTING	ELEVATION	DESCRIPTION
6002	"LS1" 87+63.230	0.00	2240598.920	6330867.331	41.15	5/8" REBAR RCE 19632
6005	"LS1" 105+79.061	-12.79	2242396.892	6331121.867	44.15	FC WITH NAIL & SHINER
6008	"LS2" 124+16.624	-18.95	2244194.061	6331511.307	46.13	FC WITH NAIL & SHINER
6009	"LS1" 121+71.296	333.64	2213896.988	6331771.496	41.67	5/8" REBAR
6010	"LS2" 137+21.296	19.65	2245070.225	6332482.586	47.51	FC WITH NAIL
6012	"LS2" 143+76.169	-573.81	2245854.903	6332369.842	45.45	3/4" IRON PIPE IN WELL
6013	"LS2" 146+83.399	21.85	2245868.880	6333014.031	47.20	FC WITH NAIL
6018	"LS1" 100+91.027	21.31	2241912.236	6331064.024	44.00	MTCO SURVEY MONUMENT
6019	"LS1" 96+32.722	-32.72	2241465.100	6330949.868	43.16	BM 938
6020	"LS1" 91+64.467	14.32	2240994.736	6330934.584	42.19	MTCO SURVEY MONUMENT
6021	"LS2" 142+54.942	28.93	2245469.663	6332843.501	45.90	MTCO SURVEY MONUMENT

*NOTE: NEGATIVE OFFSET INDICATES OFFSET TO LEFT OF CONTROL LINE



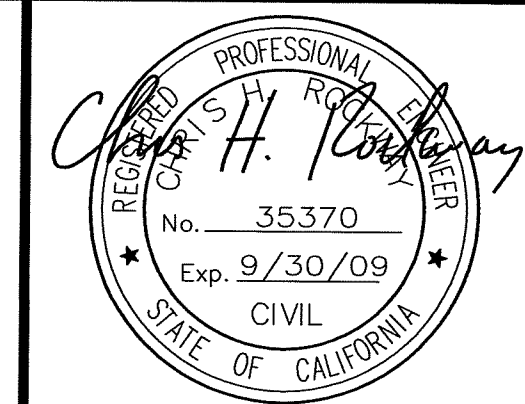
K-1

S4-5031

BEFORE EXCAVATING
CALL U.S.A.
UNDERGROUND SERVICE ALERT
800-227-2600
TOLL FREE
2 WORKING DAYS BEFORE ALL
PLANNED WORK OPERATIONS

Revision No.	Description	Date	By	Approved By

MARK THOMAS & COMPANY, INC.
7300 FOLSOM BOULEVARD, SUITE 203
SACRAMENTO, CALIFORNIA 95826
(916) 381-9100

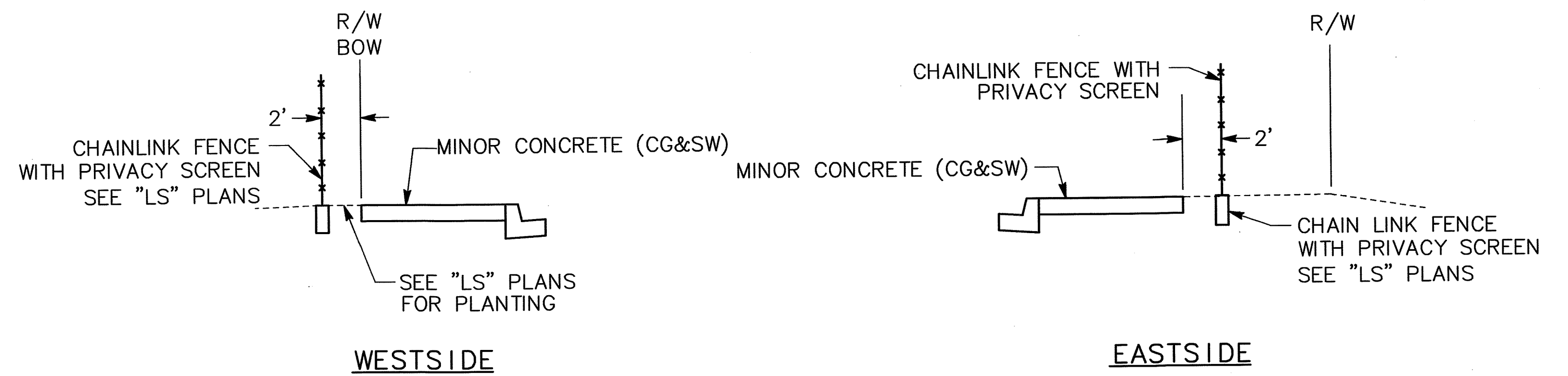
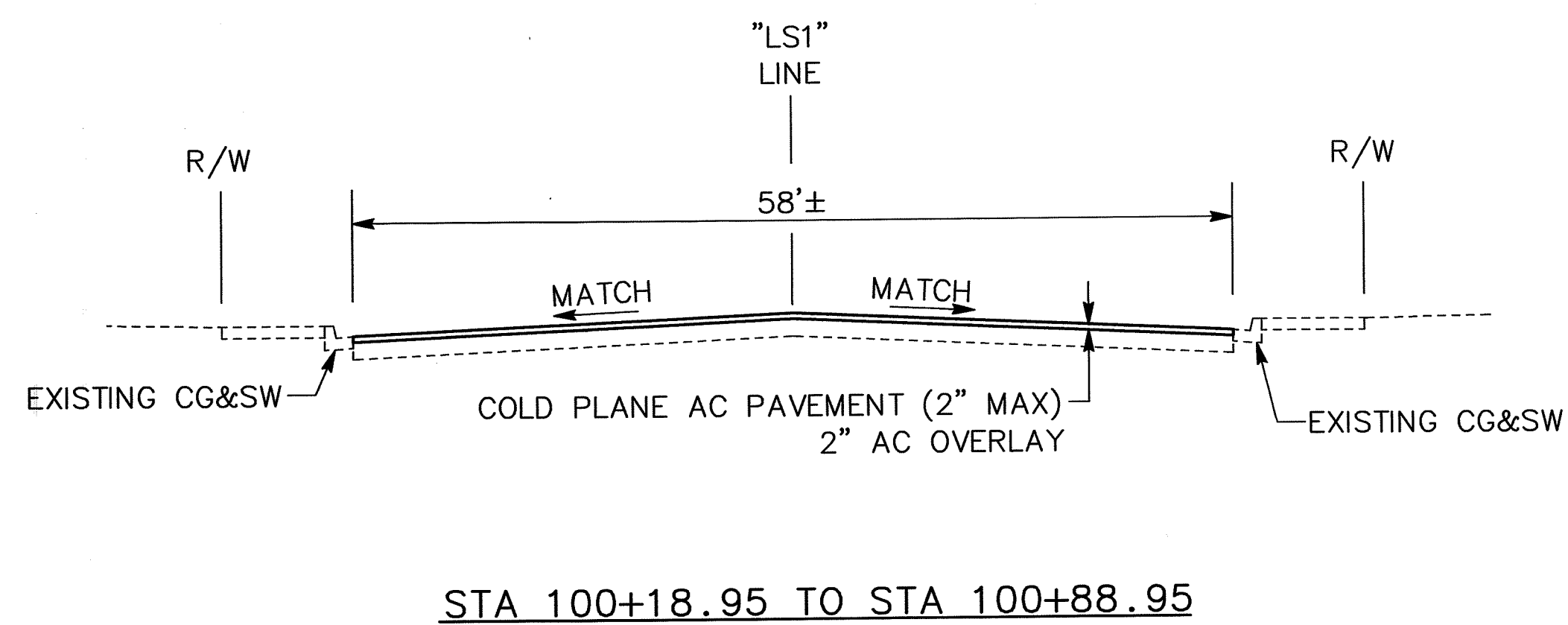
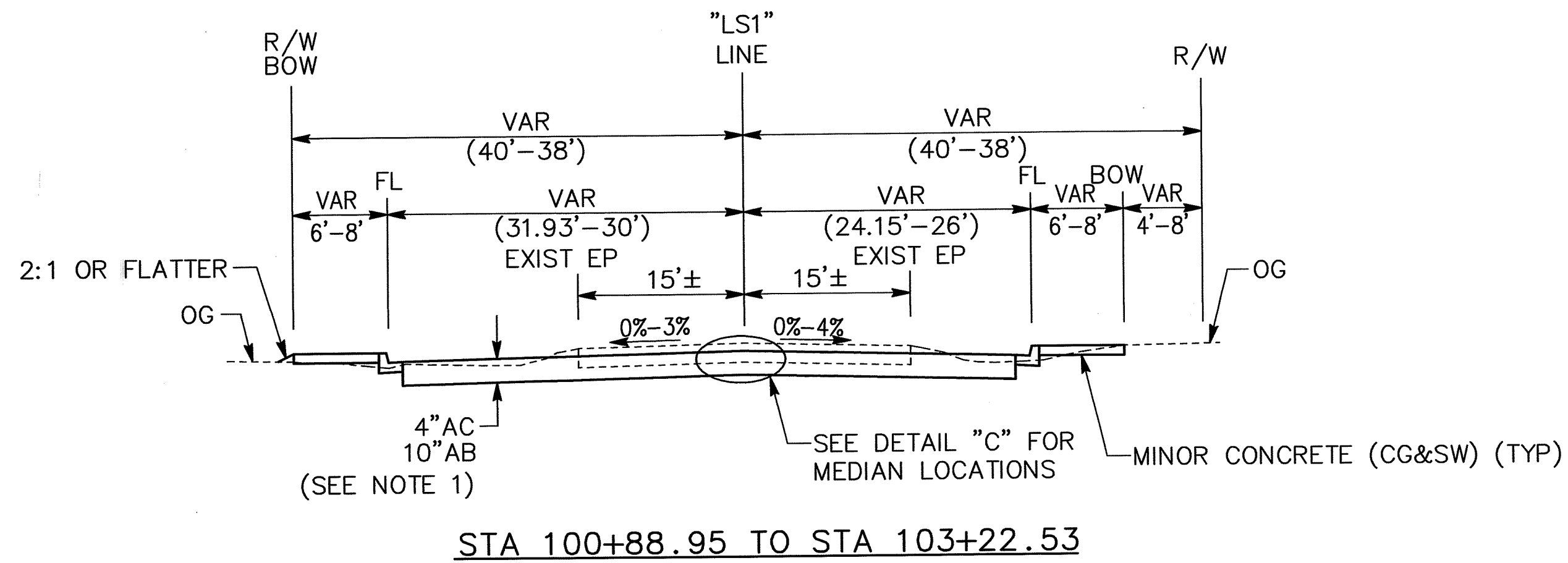
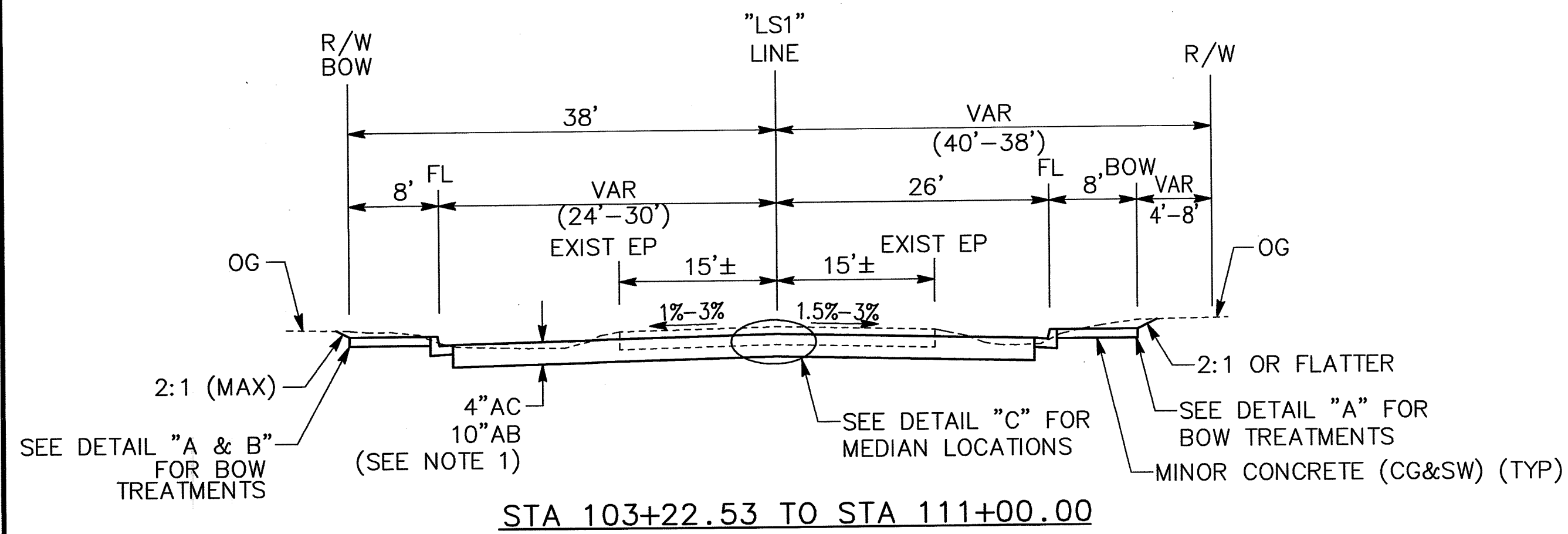


DEPARTMENT OF PUBLIC WORKS
SAN JOAQUIN COUNTY, CALIFORNIA

DRAWN BY K. DAVIS	DATE 5/21/09	PROJECT ENGINEER J. PANGBURN	DATE 5/21/09	CHECKED C. ROCKWAY	DATE 5/21/09	APPROVAL RECOMMENDED <i>[Signature]</i>	DATE 5/21/09	COUNTY OF SAN JOAQUIN	SCALE: 1"=400'	KEY MAP/ CONTROL DIAGRAM	LOWER SACRAMENTO ROAD IMPROVEMENTS TURNER ROAD TO WOODBRIDGE ROAD - PHASE 2	SHEET NO. 3	TOTAL SHEETS 31
FILE NAME	DRAWER	SHEET NO.	ACAD	REVISIONS	DATE								

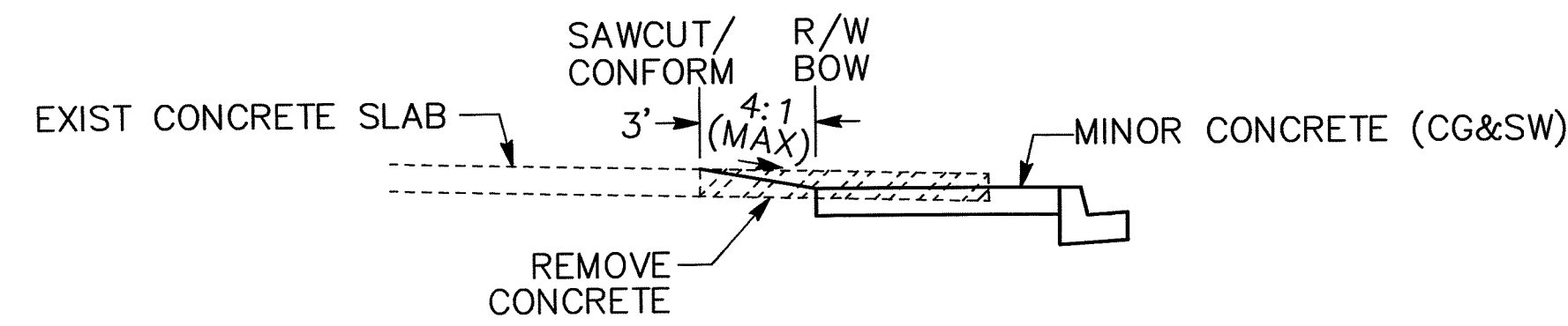
NOTES:

1. ALL AGGREGATE BASE SHALL BE PLACED TO 95% RELATIVE COMPACTION.
2. ALL ASPHALT CONCRETE SHALL BE TYPE B.
3. FOR LOCATIONS OF STAMPED CONCRETE AND INTERLOCKING PAVERS, SEE C-SHEETS.



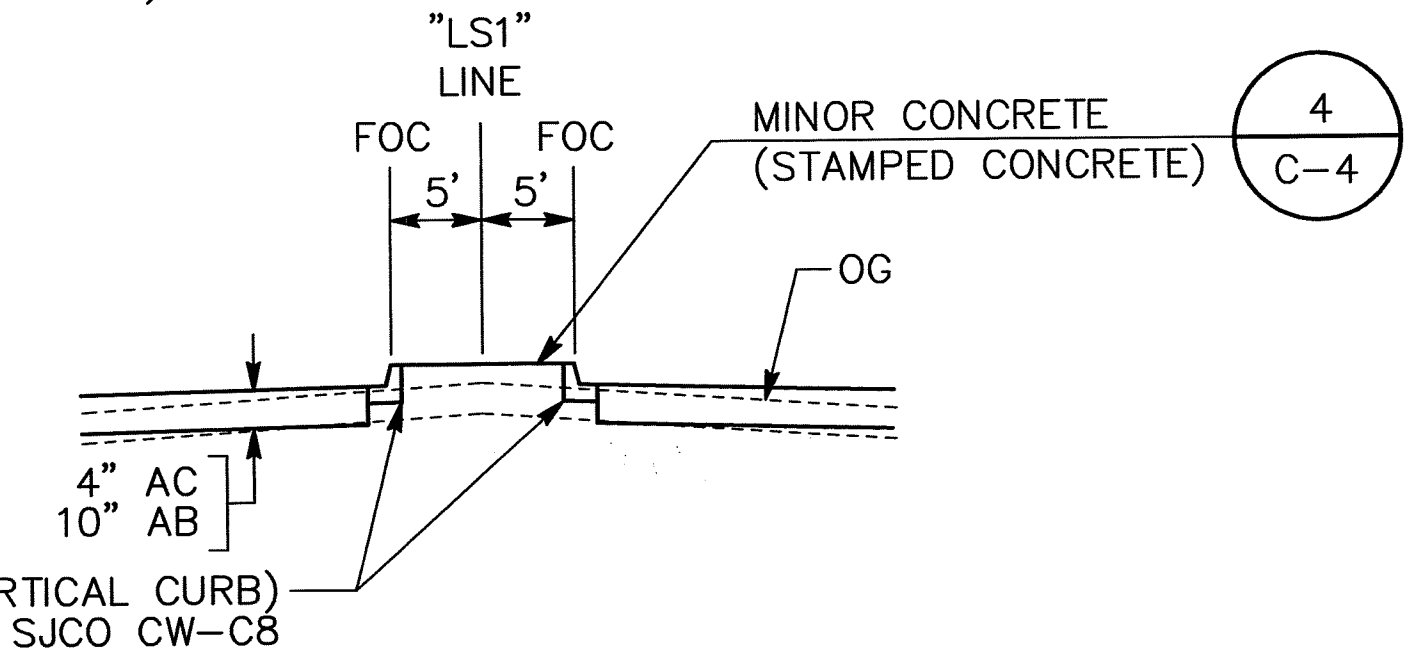
DETAIL "A" - CHAIN LINK FENCE INSTALLATION

(SEE LAYOUT SHEETS FOR STATION RANGES)
(SEE LANDSCAPE PLAN FOR FENCE DETAILS)



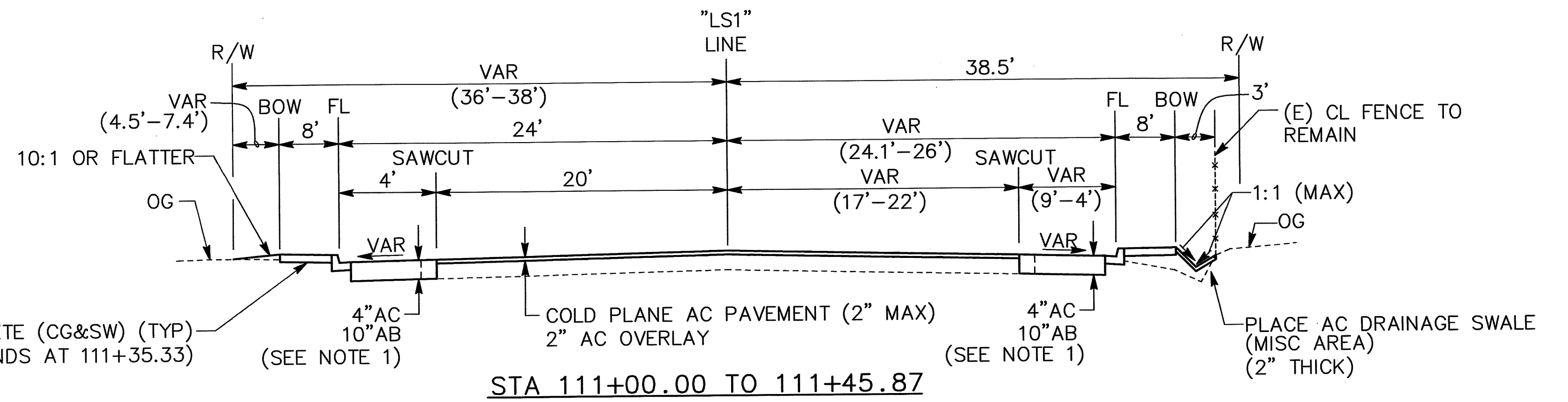
DETAIL "B" - SAWCUT @ EXISTING CONCRETE PAD

STA 107+45.60 TO 107+85.44



DETAIL "C" - MEDIAN INSTALLATION

"LS1" 101+06.51 TO "LS1" 101+79.35
"LS1" 102+48.99 TO "LS1" 103+27.71



X-1

54-5032

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800-227-2600
TOLL FREE
2 WORKING DAYS BEFORE ALL
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DRAWN BY K. DAVIS	DATE 5/21/09	PROJECT ENGINEER J. PANGBURN	DATE 5/21/09	CHECKED C. ROCKWAY	DATE 5/21/09	APPROVAL RECOMMENDED <i>[Signature]</i>	DATE 5/29/09
FILE NAME	DRAWER	SHEET NO.	ACAD	REVISIONS	DATE		

Revision No.	Description	Date	By	Approved By

MARK THOMAS & COMPANY, INC.
7300 FOLSOM BOULEVARD, SUITE 203
SACRAMENTO, CALIFORNIA 95826
(916) 381-9100

PROFESSIONAL
REGISTERED
[Signature]
No. 35370
Exp. 9/30/09
CIVIL
STATE OF CALIFORNIA

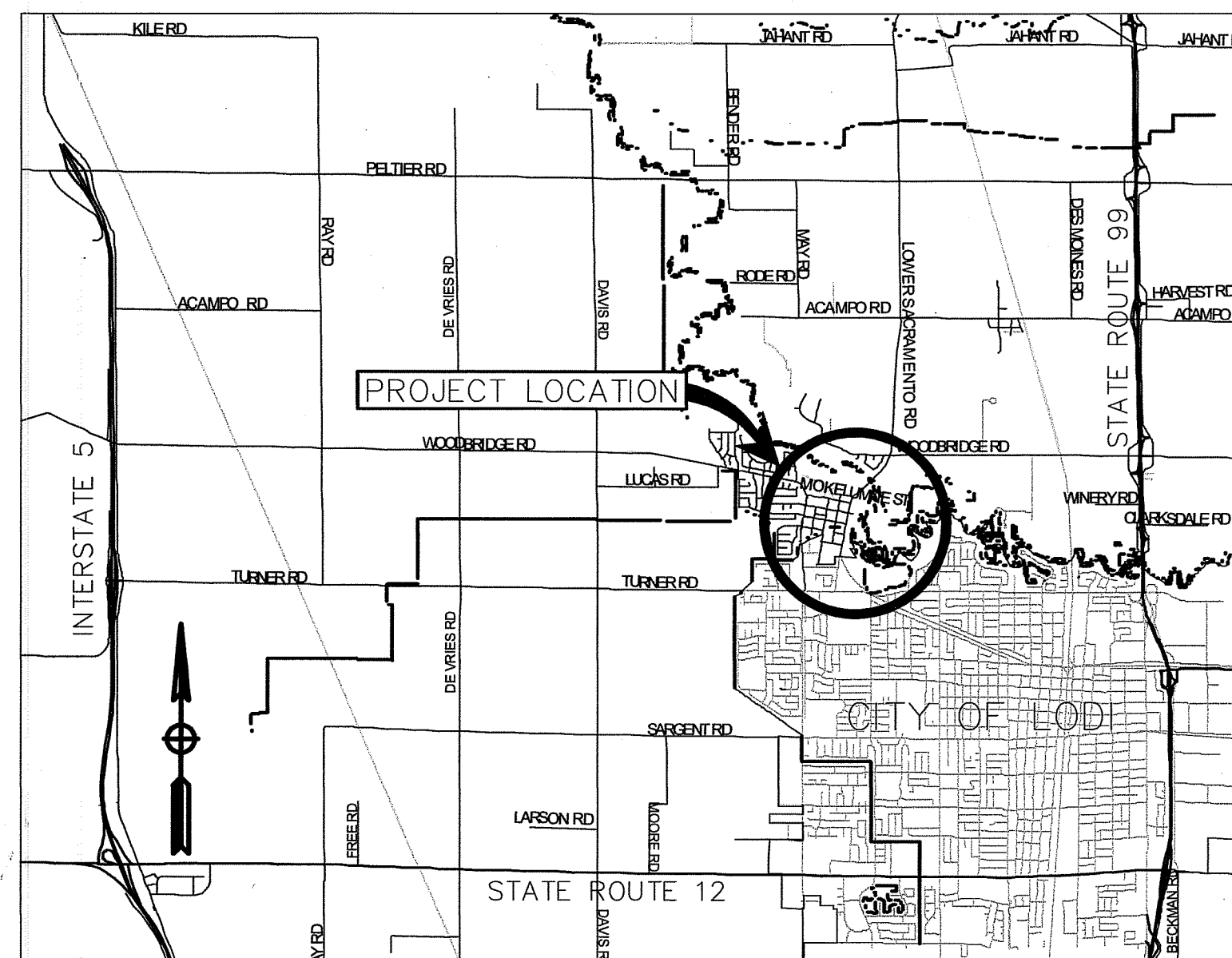
DEPARTMENT OF PUBLIC WORKS
SAN JOAQUIN COUNTY, CALIFORNIA

COUNTY OF SAN JOAQUIN	SCALE: NO SCALE	TYPICAL CROSS SECTIONS	LOWER SACRAMENTO ROAD IMPROVEMENTS TURNER ROAD TO WOODBRIDGE ROAD - PHASE 2	SHEET NO. 2	TOTAL SHEETS 31
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COUNTY OF SAN JOAQUIN DEPARTMENT OF PUBLIC WORKS STOCKTON, CALIFORNIA

LOWER SACRAMENTO ROAD IMPROVEMENTS TURNER ROAD TO WOODBRIDGE ROAD (PHASE 2 - SAN JOAQUIN COUNTY LINE TO WID CANAL)

TO BE SUPPLEMENTED BY CALTRANS STANDARD PLANS DATED MAY, 2006.



VICINITY MAP
NO SCALE

PRIME CONSULTANT
MARK THOMAS & COMPANY INC.
7300 FOLSOM BLVD, SUITE 203
SACRAMENTO CA, 95826
(916) 381-9100/FAX (916) 381-9180

GEOTECHNICAL
BLACKBURN CONSULTING
2437 FRONT STREET
WEST SACRAMENTO, CA 95691
(916) 375-8706/FAX (916) 375-8709

LIGHTING AND ELECTRICAL
FEHR & PEERS
2990 LAVA RIDGE COURT
ROSEVILLE CA, 95661
(916) 773-1900/FAX (916) 773-2015

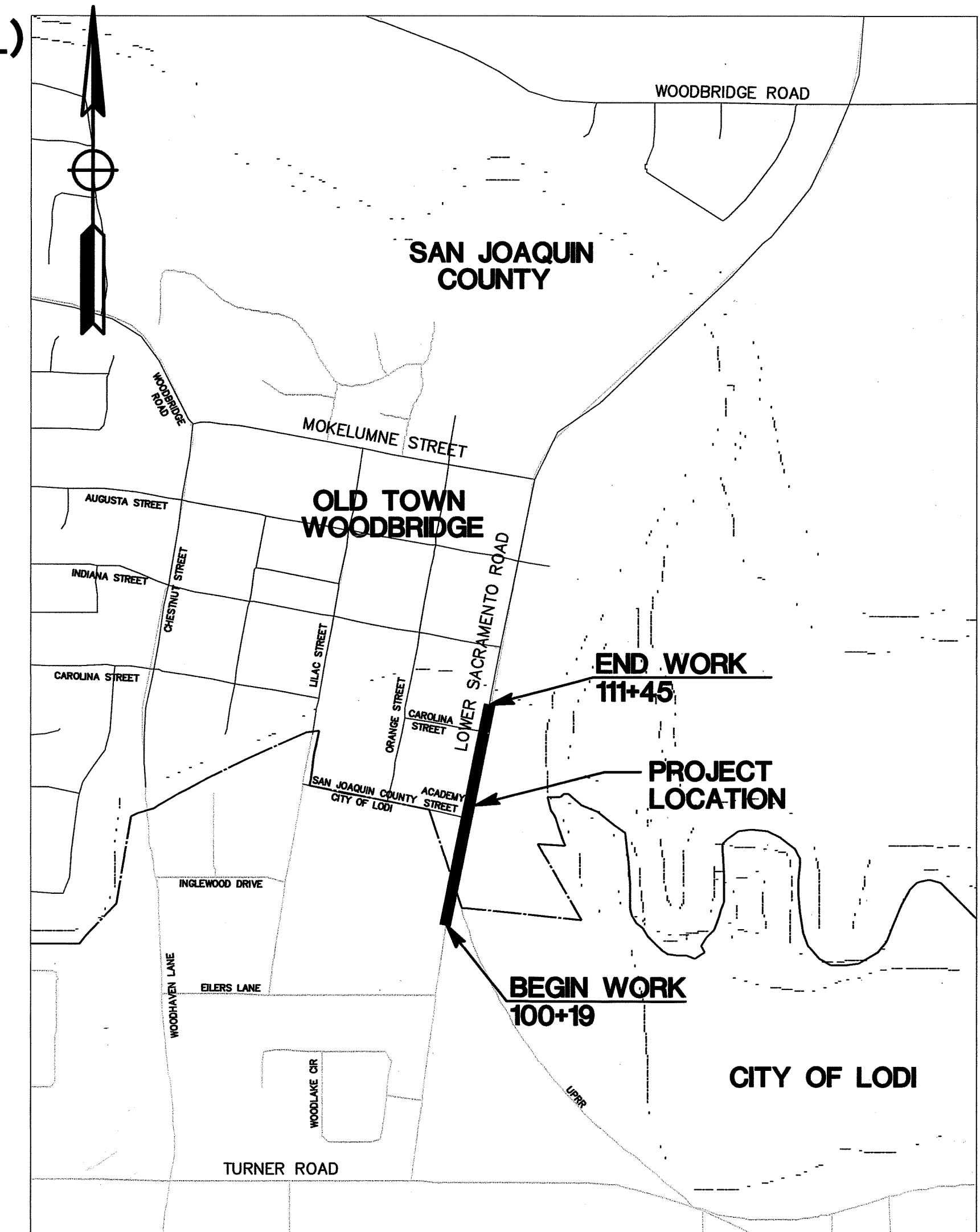
LANDSCAPE/ STREETScape DESIGN
DERIVI CONSTRUCTION & ARCHITECTURE
924 N. YOSEMITE STREET
STOCKTON CA, 95203
(209) 462-2873/FAX (209) 462-8308

LIST OF PLAN SHEETS

SHEET No.	SHEET NAME	SHEET TITLE
1	T-1	TITLE SHEET
2	X-1	TYPICAL SECTIONS
3	K-1	KEY MAP
4	GN-1	GENERAL NOTES & LEGEND
5-7	L-1 to L-3	ROADWAY LAYOUTS
8-12	C-1 to C-5	CONSTRUCTION DETAILS
13-15	DU-1 to DU-3	DRAINAGE AND UTILITY PLANS
16	CS-1	CONSTRUCTION AREA SIGNS
17-18	PD-1 to PD-2	PAVEMENT DELINEATION & SIGNING PLANS
19	TR-1	TREE REMOVAL PLANS
20	LS-1	LANDSCAPING PLANS & DETAILS
21-22	E-1 to E-2	STREET LIGHTING PLANS & DETAILS
23-24	Q-1 to Q-2	SUMMARY OF QUANTITIES
25-31	W-1 to W-7	RAW WATER PLANS

Note: This Contract Requires A Class A License.

UTILITY	CONTACT	PHONE NUMBER
PG&E - GAS DISTRIBUTION	RON GIBBS	(916) 942-1429
PG&E - GAS TRANSMISSION	RYAN WEBER	(916) 956-0822
PG&E - ELECTRICAL	MIKE LANG	(209) 942-1489
AT&T	RYAN CRAWFORD	(209) 474-4727
AT&T BROADBAND (COMCAST)	DAVE MORSE	(209) 955-6412
COUNTY WATER/ STORM	RON RALL	(209) 468-3091
WOODBRIDGE SANITARY DISTRICT	LUIS CHING	(916) 524-4560
WOODBRIDGE FIRE DISTRICT	MIKE KIRKLE	(209) 369-1945



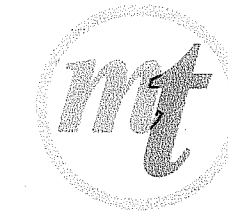
LOCATION MAP
NO SCALE

T-1

5033

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CALL U.S.A.
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TOLL FREE
2 WORKING DAYS BEFORE ALL
PLANNED WORK OPERATIONS

DRAWN BY K. DAVIS DATE 5/21/09	PROJECT ENGINEER J. PANGBURN DATE 5/21/09	CHECKED C. ROCKWAY DATE 5/21/09	APPROVAL RECOMMENDED <i>Manuel Delario</i> 5/21/09	COUNTY OF SAN JOAQUIN SCALE: NO SCALE	TITLE SHEET	LOWER SACRAMENTO ROAD IMPROVEMENTS TURNER ROAD TO WOODBRIDGE ROAD - PHASE 2	SHEET NO. 1	TOTAL SHEETS 31
FILE NAME	DRAWER	SHEET NO.	ACAD	REVISIONS	DATE			



MARK THOMAS & COMPANY, INC.
7300 FOLSOM BOULEVARD, SUITE 203
SACRAMENTO, CALIFORNIA 95826
(916) 381-9100



**DEPARTMENT OF PUBLIC WORKS
SAN JOAQUIN COUNTY, CALIFORNIA**

APPROVED BY: *Thomas Ryan Flinn*
THOMAS RYAN FLINN
DIRECTOR OF PUBLIC WORKS
SAN JOAQUIN COUNTY, CALIFORNIA

DATE
June 2, 2009