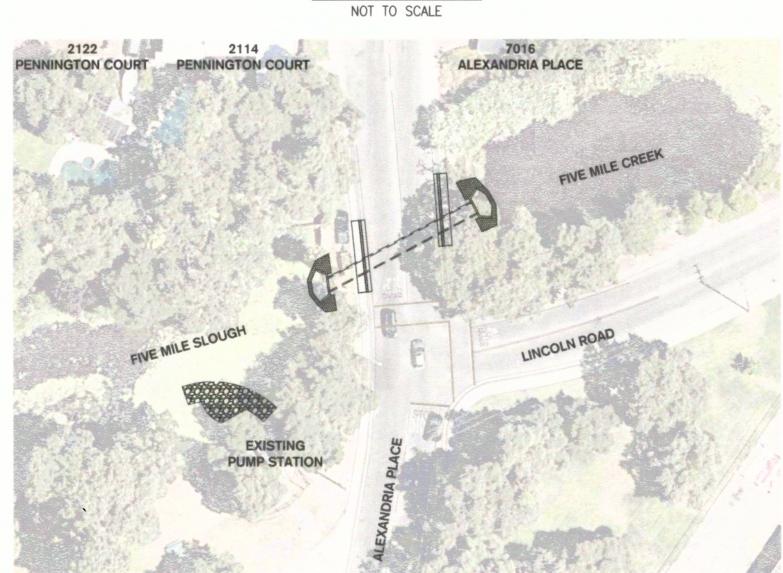
ALEXANDRIA AND FIVE MILE SLOUGH CULVERT REPLACEMENT PROJECT

PROJECT NO. WT19018 STOCKTON, CALIFORNIA



VICINITY MAP



SITE MAP





PROJECT CONTACTS:

OWNER CITY OF STOCKTON PUBLIC WORKS DEPARTMENT 22 E. WEBER AVENUE, ROOM 301 STOCKTON, CA 95202

CONTACT: MOHAMMAD SADIQ, P.E. PHONE: (209) 937-8299

CIVIL ENGINEER

SIEGFRIED
3428 BROOKSIDE ROAD
STOCKTON, CA 95219
CONTACT:
NATHAN BEREND, P.E.
PHONE: (209) 943-2021

STORM DRAIN

CITY OF STOCKTON MUNICIPAL UTILITIES DEPARTMENT 2500 NAVY DRIVE STOCKTON, CA 95206 PHONE: (209) 937-8341

WATER

INDEX OF SHEETS

HEADWALL DETAILS
HEADWALL DETAILS

TRAFFIC CONTROL PLAN - PHASE 1
TRAFFIC CONTROL PLAN - PHASE 2

CITY OF STOCKTON MUNICIPAL UTILITIES DEPARTMENT 2500 NAVY DRIVE STOCKTON, CA 95206 PHONE: (209) 937-8341

TELEPHONE AGENCY

AT&T 2300 E. EIGHT MILE ROAD STOCKTON, CA 95210 PHONE: (209) 474-4727

GAS & ELECTRIC AGENCY

PACIFIC GAS & ELECTRIC 3136 BOEING WAY STOCKTON, CA 95206 CONTACT: BRAD JOAQUIN PHONE: 209-272-8618 BRJ6@PGE.COM

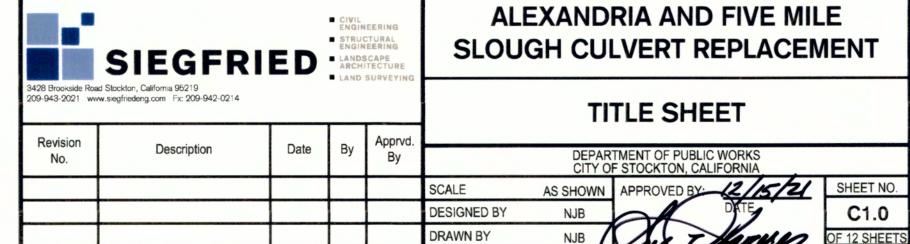
BENCHMARKS: DATUM=NAVD88 (2008, CITY OF STOCKTON)

C.O.S. BM NO. DESCRIPTION

BRASS DISK MARKING COS MONUMENT STAMPED COS "14N-7 LS 6670" LOCATED AT NORTH SIDE OF BENJAMIN HOLT APPROXIMATELY 100 FT WEST OF ALEXANDRIA PLACE.

ELEVATION

70" FT WEST 4.84'



CHECKED BY

RECORD DWGS.



STOCKTON, CALIFORNIA

WT19018

PROJECT NO

GENERAL NOTES

- ALL IMPROVEMENTS SHALL BE CONSTRUCTED IN STRICT ACCORDANCE WITH THE FOLLOWING: CURENT CITY OF STOCKTON STANDARD SPECIFICATIONS AND PLANS, INCLUSIVE OF ALL CURENT REVISIONS AND AMENDMENTS, CALIFORNIA DEPARTMENT OF TRANSPORTATION CURRENT STANDARD PLANS AND SPECIFICATIONS (CALTRANS), INCLUSIVE OF ALL CURRENT REVISIONS AND AMENDMENTS, AND CA-MUTCD LATEST EDITION, INCLUSIVE OF ALL CURRENT REVISIONS AND AMENDMENTS THERETO. WHERE THERE IS A CONFLICT BETWEEN THE PLANS AND THE CITY'S STANDARD SPECIFICATIONS AND PLANS, THE CITY OF STOCKTON STANDARD SPECIFICATIONS AND PLANS SHALL PREVAIL. CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTING THE IMPROVEMENTS IN ACCORDANCE WITH THE ABOVE-MENTIONED STANDARDS AND SPECIFICATIONS.
- 2. THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE COMPLETE WORK SCOPE AND ALL RELATED CONDITIONS PRIOR TO BID. ANY QUESTIONS OR DISCREPANCIES WITH THE INFORMATION SHOWN HEREIN MUST BE DIRECTED TO THE ENGINEER PRIOR TO BID.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS AND LICENSES REQUIRED FOR THE CONSTRUCTIONS AND COMPLETION OF THE PROJECT AND SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE REQUIREMENTS AND CONDITIONS OF ALL PERMITS AND APPROVALS APPLICABLE TO THIS PROJECT. THE CONTRACTOR SHALL ENSURE THAT THE NECESSARY PERMITS AND/OR LICENSES ARE SECURED PRIOR TO CONSTRUCTION.
- 4. CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT FROM THE CITY OF STOCKTON FOR ANY WORK DONE WITHIN CITY RIGHTS-OF-WAY OR ON CITY-OWNED FACILITIES WITHIN AN EASEMENT. CONTRACTOR SHALL CALL THE PERMIT CENTER AT (209) 937-8366 TO REQUEST A CONTROL NUMBER AND ACTIVATE THE PERMIT NO LESS THAN 24 HOURS, BUT NOT IN EXCESS OF 72 HOURS PRIOR TO START OF WORK.
- ALL STATIONS REFER TO DISTANCES ALONG STREET CENTERLINE, UNLESS OTHERWISE NOTED. ALL STATIONS OFF CENTERLINE ARE PERPENDICULAR TO OR RADIALLY OPPOSITE CENTERLINE STATIONS.
- 6. THE CONTRACTOR SHALL RECEIVE PRIOR APPROVAL FROM THE ENGINEER FOR ANY EXTRA WORK. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE ENGINEER AT NO ADDITIONAL COST TO THE CITY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING FROM DAMAGE ALL EXISTING AND NEWLY PLACED IMPROVEMENTS THAT ARE TO REMAIN. SUCH IMPROVEMENTS THAT ARE DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT NO ADDITIONAL COST TO THE CITY.
- 8. THE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING SAFETY AND SECURITY OF JOB SITE, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- 9. THE CONTRACTOR SHALL MAINTAIN A NEATLY MARKED SET OF FULL-SIZE AS-BUILT DRAWINGS SHOWING THE FINAL LOCATION OF FINAL IMPROVEMENTS. AS-BUILT DRAWINGS SHALL REFLECT CHANGE ORDERS, ACCOMMODATIONS, AND ADJUSTMENTS TO ALL IMPROVEMENTS CONSTRUCTED. WHERE NECESSARY, SUPPLEMENTAL DRAWINGS SHALL BE PREPARED AND SUBMITTED BY THE CONTRACTOR.
- 10. PRIOR TO ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL DELIVER TO THE ENGINEER, ONE SET OF NEATLY MARKED AS-BUILT DRAWINGS. AS-BUILT DRAWINGS SHALL BE REVIEWED AND THE COMPLETE AS-BUILT DRAWING SET SHALL BE CURRENT WITH ALL CHANGES AND DEVIATIONS REDLINED AS A PRECONDITION TO THE FINAL PROGRESS PAYMENT APPROVAL AND/OR FINAL ACCEPTANCE.
- 11. ALL TRENCH EXCAVATION SHALL BE IN ACCORDANCE WITH SECTION 7 OF THE CITY OF STOCKTON STANDARD SPECIFICATIONS.
- 12. THE CONTRACTOR SHALL PROVIDE ALL SHORING, BRACING, SLOPING OR OTHER PROVISIONS NECESSARY TO PROTECT WORKERS FOR ALL AREAS TO BE EXCAVATED TO A DEPTH OF 5 FEET OR MORE. EXCAVATIONS OF 5 FEET OR MORE IN DEPTH WILL REQUIRE AN EXCAVATIONS PERMIT FROM THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL SAFETY. FOR TRENCHES 5 FEET OR MORE IN DEPTH, THE CONTRACTOR SHALL COMPLY WITH SECTION 7-1.02K(6)(b) OF THE CITY OF STOCKTON STANDARD SPECIFICATIONS, CALTRANS STANDARDS, SECTION 6705 OF THE STATE OF CALIFORNIA LABOR CODE, AND ANY LOCAL CODES OR ORDINANCES.
- 13. ATTENTION IS CALLED TO: SECTION 1541(b)(1) OF THE CONSTRUCTION SAFETY ORDERS (CALIFORNIA CODE OF REGULATIONS, TITLE 8), ISSUED BY THE OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD PURSUANT TO THE CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ACT OF 1973, WHICH STATES: "THE APPROXIMATE LOCATION OF SUBSURFACE INSTALLATIONS, SUCH AS SEWER, TELEPHONE, FUEL. ELECTRIC. WATER LINES, OR ANY OTHER SUBSURFACE INSTALLATIONS THAT REASONABLY MAY BE EXPECTED TO BE ENCOUNTERED DURING EXCAVATION WORK, SHALL BE DETERMINED BY THE EXCAVATOR PRIOR TO OPENING AN EXCAVATION."
- 14. PRIOR TO COMMENCING ANY WORK, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE EACH UTILITY COMPANY LOCATE IN THE FIELD THEIR MAIN AND SERVICE LINES. THE CONTRACTOR SHALL NOTIFY MEMBERS OF THE UNDERGROUND SERVICE ALERT (U.S.A.) 48 HOURS IN ADVANCE OF PERFORMING EXCAVATION WORK BY CALLING THE TOLL-FREE NUMBER (800) 227-2600.
- 15. IT SHALL BE CONTRACTOR'S SOLE RESPONSIBILITY TO PROTECT ALL EXISTING UTILITIES SO THAT NO DAMAGE RESULTS TO THEM DURING THE PERFORMANCE OF HIS CONTRACT. THE CONTRACTOR SHALL BE REQUIRED TO COOPERATE WITH OTHER CONTRACTORS AND UTILITY COMPANIES INSTALLING NEW OR MODIFIED STRUCTURES, UTILITIES AND SERVICES WITHIN THE PROJECT LIMITS.
- 16. THE CONTRACTOR SHALL EXERCISE DUE CAUTION AND SHALL CAREFULLY PRESERVE BENCHMARKS, CONTROL POINTS. REFERENCE POINTS AND ALL SURVEY MONUMENTS, AND SHALL BEAR ALL EXPENSES FOR REPLACEMENT AND/OR ERROR CAUSED BY HIS UNNECESSARY LOSS OR DISTURBANCE. THE CONTRACTOR SHALL CONSULT WITH A LICENSED LAND SURVEYOR OR CIVIL ENGINEER LICENSED TO PRACTICE LAND SURVEYING IN CALIFORNIA PRIOR TO BEGINNING CONSTRUCTION TO ENSURE THAT ANY PRECONSTRUCTION CORNER RECORDS, AS REQUIRED BY THE STATE OF CALIFORNIA PROFESSIONAL LAND SURVEYOR ACT HAVE BEEN FILED WITH THE COUNTY SURVEYOR, PURSUANT TO SECTION 8771(a-f) OF THE CALIFORNIA BUSINESS AND PROFESSION CODE.
- 17. ALL WORK IN THE PUBLIC RIGHT-OF-WAY IS SUBJECT TO THE APPROVAL AND ACCEPTANCE OF THE ENGINEER.
- 18. PRIOR TO PLACEMENT OF ANY FINISH ASPHALT CONCRETE OR CONCRETE, THE CONTRACTOR SHALL VERIFY ALL FINISH GRADES AND SLOPES FOR COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA) AND OBTAIN APPROVAL AND ACCEPTANCE BY THE ENGINEER.
- 19. THE CONTRACTOR SHALL LAYOUT IMPROVEMENTS FROM THE DIMENSIONS SHOWN ON THE PLANS. ANY CLARIFICATION OR CONFLICTS, DISCREPANCIES OR AMBIGUITIES SHALL BE DIRECTED TO THE ENGINEER PRIOR TO THE CONSTRUCTION OF THE IMPROVEMENTS.
- 20. DUST CONTROL SHALL BE PERFORMED AT ALL TIMES, AT THE CONTRACTORS' EXPENSE, TO MINIMIZE ANY DUST NUISANCE AND SHALL BE IN ACCORDANCE WITH SECTION 10-5 OF CALTRANS STANDARD SPECIFICATIONS AND THE REQUIREMENTS OF THE CITY OF STOCKTON.
- 21. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING WATER, SEWER, AND DRAINAGE FACILITIES WITHIN THE CONSTRUCTION AREA UNTIL NEW IMPROVEMENTS ARE IN PLACE AND FUNCTIONING, EXCEPT WHERE OTHERWISE APPROVED.

Call before you dig.

- 22. INGRESS AND EGRESS BY PROPERTY OWNERS, BUSINESSES, AND OTHERS SHALL BE PROVIDED AT ALL TIMES DURING THE COURSE OF CONSTRUCTION UNLESS OTHERWISE APPROVED OR SPECIFIED.
- 23. SIDEWALK REMOVAL SHALL BE TO THE NEAREST SCORE MARK OR AS DETERMINED BY THE ENGINEER. CONTRACTOR SHALL NEATLY SAW-CUT CONCRETE WHERE PULL BOXES ARE TO BE PLACED AND SHALL RESTORE THE SLAB TO MATCH THE EXISTING CONDITION.
- 24. ALL TRENCH EXCAVATIONS SHALL BE IN ACCORDANCE WITH THE CITY OF STOCKTON STANDARD SPECIFICATION 7-1.02K(6)(b).
- 25. JETTING OF THE INITIAL BACKFILL LIFT SHALL NOT BE PERMITTED, UNLESS SPECIFIED BY THE SOILS ENGINEER. NOR WILL JETTING BE ALLOWED PRIOR TO ANY WET MORTAR REACHING A 24-HOUR SET.

STRIPING AND SIGNAGE NOTES:

- 1. THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, BARRICADES, SIGNS, FLAGMEN OR OTHER DEVICES NECESSARY FOR PUBLIC SAFETY.
- 2. THE PROJECT TRAFFIC CONTROL AND DETOUR PLAN SHALL BE APPROVED BY THE CITY OF STOCKTON TRAFFIC ENGINEER PRIOR TO THE START OF CONSTRUCTION.
- ALL PAVEMENT MARKINGS, STRIPING AND CROSSWALKS SHALL BE THERMOPLASTIC.
- 4. STRIPING AND PAVEMENT MARKINGS SHALL BE IN STRICT CONFORMANCE WITH THE CA-MUTCD (LATEST EDITION) AND THE SPECIAL PROVISIONS SECTION 84. LONGITUDINAL STRIPING EXCLUDED, PAVEMENT MARKINGS SHALL ALSO CONFORM TO THE CALTRANS SPECIFICATIONS (LATEST EDITION) SECTION 84.
- 5. SIGNING SHALL CONFORM TO THE CA-MUTCD (LATEST EDITION) AND CALTRANS SPECIFICATIONS (LATEST EDITION)
- 6. REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE REMOVED BY GRINDING PER CALTRANS STANDARD SPECIFICATIONS SECTION 84-9.
- 7. CONTRACTOR SHALL INSTALL A BLUE REFLECTOR ON FIRE HYDRANT SIDE AT ALL FIRE HYDRANT LOCATIONS PER CA-MUTCD, SECTION 3B.11 AND FIGURE 3B-102.
- 8. THE CONTRACTOR SHALL NOTIFY THE ENGINEER A MINIMUM OF TWO (2) WORKING DAYS IN ADVANCE TO VERIFY THE LAYOUT AND CAT-TRACKING OF THE PROPOSED IMPROVEMENTS. CAT-TRACKING TO BE APPROVED BY TRAFFIC ENGINEERING PRIOR TO FINAL ACCEPTANCE OF STRIPING AND PAVEMENT MARKINGS.
- THE CONTRACTOR SHALL ENSURE THAT THE APPROPRIATE STRIPING AND PAVEMENT MARKINGS ARE IN PLACE AT ALL TIMES. TEMPORARY STRIPING AND/OR PAVEMENT MARKINGS SHALL BE INSTALLED TO REPLACE ANY EXISTING STRIPING OR MARKINGS WHICH HAVE BEEN REMOVED. ANY CONFLICTING STRIPING SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR PRIOR TO REOPENING THE STREET TO TRAFFIC.
- 10. THE CONTRACTOR SHALL REMOVE ANY EXISTING SIGNS IN CONFLICT WITH THESE PLANS AS DIRECTED BY THE CITY TRAFFIC ENGINEER. EXISTING STRIPING AND MARKINGS IN CONFLICT WITH THESE PLANS SHALL BE REMOVED BY THE CONTRACTOR. PAVEMENT SHALL BE REPAIRED IF DAMAGED IN CONJUNCTION WITH REMOVAL OF
- 11. R30E (CA) "NO PARKING" SIGNS ARE TO BE INSTALLED AT A 45° ANGLE FACING DIRECTION OF TRAFFIC FLOW. SIGN SIZE SHALL BE 18" X 24".
- 12. ALL DIMENSIONS SHOWN ARE FROM FACE OF CURB, UNLESS OTHERWISE NOTED.
- 13. THE CONTRACTOR SHALL REPLACE ANY PAVEMENT DELINEATION AND TRAFFIC MARKINGS THAT ARE DAMAGED DURING THE COURSE OF WORK AT NO ADDITIONAL COST TO THE CITY.

GEOTECHNICAL NOTES:

CONTRACTOR TO REFERENCE GEOTECHNICAL REPORT BY ENGEO, PROJECT NO. 19161.000.001, DATED SEPTEMBER 29, 2021 FOR ALL SUBGRADE PREPARATION, EARTHWORK RECOMMENDATIONS, BOX CULVERT AND HEADWALL RECOMMENDATIONS, ETC. AND COMPARE WITH ANY RECOMMENDATIONS ON THE PLANS. IF ANY DISCREPANCIES EXIST, NOTIFY THE ENGINEER IMMEDIATELY.

HEADWALL AND CULVERT NOTES:

 GENERAL: ALL CONCRETE WORK SHALL BE PERFORMED IN ACCORDANCE WITH ACI AND CBC CODES.

CONCRETE

- A. CONCRETE STRENGTH: CONCRETE SHALL OBTAIN A MINIMUM DESIGN STRENGTH OF APRONS/FOUNDATIONS: 4,000 PSI;
- CULVERTS/HEADWALLS: 6,000 PSI. 1) CEMENT (MINIMUM REQUIREMENT):
- 6.0 SACK FOR 4,000 PSI. CONCRETE 7.5 SACK FOR 6,000 PSI. CONCRETE MAXIMUM WATER/CEMENT RATIOS:
- CULVERTS/HEADWALLS: 0.40 APRONS:
- FOUNDATIONS: 3) WATER: MAXIMUM 7 GALLONS PER SACK OF CEMENT.
- 4) AGGREGATE: NOMINAL AGGREGATE SIZE SHALL BE 1" PER ASTM-C33, SIZE NO. 57
- 6) CURING: KEEP WET MINIMUM OF 7 DAYS OR APPLY MEMBRANE CURING
- COMPOUND APPROVED BY THE ENGINEER. 7) VIBRATION: ALL CONCRETE SHALL BE VIBRATED INTO PLACE WITH A
- MECHANICAL VIBRATOR. 8) FORM REMOVAL: SIDE FORMS OF FOUNDATIONS AND SLABS AFTER A
- MINIMUM OF 2 DAYS.

9) TESTING: IN ACCORDANCE WITH ACI-318 LATEST VERSION, CHAPTER 3.

- B. REINFORCING MATERIALS:
- DEFORMED BARS: ASTM A615 GRADE 60, UNLESS OTHERWISE NOTED.
- ELECTRIC WELDED WIRE FABRIC (WWF): ASTM A-185. 3) MINIMUM LAP SPLICES AS FOLLOWS UNLESS OTHERWISE NOTED: #3-#4=24", #5=30", #6=36", #7-55",
- #8-72", #9-92" 4) FOR SLABS ON GROUND, REINFORCING BARS SHALL BE HELD IN PLACE AT THE CENTERLINE OF
- THE SLAB BY MEANS OF CONCRETE BLOCKS, BAR CHAINS OR OTHER APPROVED METHOD. BARS SHALL NOT BE POSITIONED BY PULLING UP WITH HOOKS AS CONCRETE IS POURED.

FOUNDATION

- A. FOUNDATION DESIGN CRITERIA:
- 1) THE FOUNDATION SYSTEM WAS PREPARED IN ACCORDANCE WITH THE RECOMMENDATIONS MADE BY THE GEOTECHNICAL ENGINEER OF RECORD. FOR MORE INFORMATION REFER TO THE FOLLOWING GEOTECHNICAL INVESTIGATION REPORT: ALEXANDRIA AND FIVE MILE SLOUGH CULVERT REPLACEMENT, DATED SEPTEMBER 29, 2021 AND PREPARED BY ENGEO INC.,
- REPORT NO. 19161.000.001 2) ALLOWABLE BEARING PRESSURE:
- a) 1,500 psf D + L b) 2,000 psf D+L+E/W
- 3) LATERAL RESISTANCE:
- a) FRICTION COEFFICIENT = 0.30
- b) PASSIVE SOIL RESISTANCE: 300 pcf c) ACTIVE SOIL PRESSURE: 40 pcf (3H:1V MIN. BACKFILL SLOPE)
- B. FOUNDATION CONSTRUCTION:

- 1) PLACE REINFORCING STEEL AND CONCRETE AS SOON AS POSSIBLE AFTER EXCAVATION FOR THE FOUNDATION.
- 2) CONCRETE SHALL OBTAIN THE SPECIFIED 28-DAY CONCRETE COMPRESSIVE STRENGTH PRIOR TO BACK-FILLING AGAINST THE CONCRETE.
- GRADE BEAMS AND WALLS THAT RETAIN EARTH ON BOTH SIDES SHALL BE BACK-FILLED ON BOTH SIDES SIMULTANEOUSLY.
- C. SUBGRADE PREPARATION UNLESS OTHERWISE NOTED IN THE PROJECT GEOTECHNICAL
- REPORT/INVESTIGATION, SUBGRADE SHALL BE PREPARED AS FOLLOWS: 1) AFTER EXCAVATION IS COMPLETED THE EXPOSED SOILS SHALL BE SCARIFIED AND RECOMPACTED TO A MINIMUM DEPTH OF 8 INCHES TO A MINIMUM OF 90 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE ASTM D-1557 TEST METHOD, AT A MOISTURE CONTENT NEAR OPTIMUM, UNLESS OTHERWISE DIRECTED BY THE GEOTECHNICAL ENGINEER. IF ANY SOFT OR LOOSE SOIL POCKETS ARE FOUND IN THE SITE STRIPPING OR RECOMPACTION
- PROCESS. THEY SHALL BE OVER EXCAVATED AND RECOMPACTED. 2) GRANULAR MATERIAL BENEATH FLOOR SLABS SHALL BE NONEXPANSIVE AND SHALL HAVE A
- MAXIMUM PLASTICITY INDEX OF 8.
- 3) UNLESS OTHERWISE NOTED IN THE ABOVE REFERENCED GEOTECHNICAL REPORT, FILL MATERIAL SHALL BE FREE OF ORGANICS, DEBRIS, AND OTHER DELETERIOUS MATERIALS. FILL MATERIALS SHALL BE ESSENTIALLY NON-PLASTIC AND LESS THAN 3" IN MAXIMUM DIMENSION. WELL GRADED MIXTURES OF GRAVEL, SAND, NON-PLASTIC SILT, SMALL QUANTITIES OF COBBLES AND OR CLAY ARE ACCEPTABLE WITH GRADATION AS FOLLOWS:

GRADATION REQUIREMENTS						
SIEVE SIZE	PERCENT PASSING					
3 INCH	100					
NO. 4	50-100					
NO. 200	15-70					
PLASTICITY						
LL<30	PI<12					

- D. OBSERVATION AND REPORTING
- 1) A TESTING COMPANY SHALL BE RETAINED TO PROVIDE OBSERVATION AND TESTING SERVICES
- DURING THE GRADING AND FOUNDATION PHASE OF CONSTRUCTION. 2) INSPECTION AND TESTING REPORTS SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT.





ABBREVIATIONS

DESCRIPTION

AGGREGATE BASE

ASPHALT CONCRETE

BOTTOM OF BOULDER

BEGINNING OF CURVE

BUILDING

COLUMN

CONCRETE

BENCHMARK

BACK OF CURB

BOTTOM OF WALL

CONTROL JOINT

CENTERLINE

CATCH BASIN

CLEANOUT

CONCRETE

DIAMETER

DRAWING

DRIVEWAY

ELEVATION

EASEMENT

EACH WAY

EXISTING

FLOWLINE

FINISHED FLOOR

FIBER OPTIC

FACE OF CURB

FIRE HYDRANT

FIRE SERVICE

GRADE BREAK

HIGH POINT

HORIZONTAL

INTERSECTION

MAINTENANCE HOLE

MUNICIPAL UTILITIES DEPARTMENT

OPERATIONS AND MAINTENANCE

REINFORCED CONCRETE PIPE

STORM DRAIN MAINTENANCE HOLE

SANITARY SEWER MAINTENANCE HOLE

LINEAR FEET

MAXIMUM

MINIMUM

MILLIMETERS

NOT TO SCALE

ON CENTER

PAVEMENT

POLYVINYL CHLORIDE

PROPERTY LINE

RIGHT-OF-WAY

STORM DRAIN

SQUARE FEET

SAN JOAQUIN COUNTY

SANITARY SEWER

STREET LIGHT BOX

STREET LIGHT

SQUARE

STATION

STREET

STANDARD

TOP OF CURB

TOP OF WALL

TYPICAL

VERTICAL

WATER

VERIFY IN FIELD

TRAFFIC INDEX

TRAFFIC SIGNAL BOX

UNLESS OTHERWISE NOTED

SIDEWALK

RADIAL OR RADIUS

POINT

INVERT

FOOTING

GROUND

END OF CURVE

EXISTING PAVEMENT

END OF VERTICAL TRANSITION

CITY OF STOCKTON

DUCTILE IRON PIPE

AMERICANS WITH DISABILITIES ACT

BEGINNING OF VERTICAL TRANSITION

CURB, GUTTER, AND SIDEWALK

ABBREVIATION

ADA

BLDG.

BOC

COL

CONC

C.O.S.

DWG

DWY

ELEV

ESMT

EVT

E.W.

INTX

NTS

O&M

SJC

SLB

SW SDMH

SSMH

STA

STD

TSB TW

TYP

U.O.N.

VERT

V.I.F.

WS

W/O

C,G, & SW

DATE SIGNED: 12/03/21

WATER SE WITHOUT WEST EAST SOUTH NORTH PLUS OR						DETAIL REFERENCE TOP TOE
		SIEGFR	IED	STRUCENGINE LANDS	EERING SCAPE ITECTURE	ALEXANDRIA AND FIVE MILE SLOUGH CULVERT REPLACEMENT
	3428 Brookside Road 209-943-2021 www.	3428 Brookside Road Stockton, California 95219 209-943-2021 www.siegfriedeng.com Fx: 209-942-0214				GENERAL NOTES & ABBREVIATIONS
ENGWEER*	Revision Description No.	Date	Ву	Apprvd. By	DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA	
						SCALE AS SHOWN APPROVED BY: 12/15/2/ SHEET NO.
*//						DESIGNED BY NJB DATE C1.1
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						CHECKED BY PJS CITY ENGINEER WT19018
3/21	The second secon	THE RESERVE OF THE RESERVE OF THE PARTY OF T		_	Name and Address of the Owner, where the Owner, which is	11110010

LEGEND

CONSTRUCTION CENTERLINE

DOUBLE YELLOW LANE STRIPE

STATION MARKER

LANE STRIPE

PG&E GAS LINE

AT&T LINE

ELECTRIC CONDUIT

TELEPHONE LINE

FIBER OPTIC LINE

JOINT TRENCH LINE

OVERHEAD COMCAST

CONCRETE ELEVATION

FLOW LINE ELEVATION

PROPERTY & R/W LINE

SANITARY SEWER LINE

DOMESTIC WATER LINE

MAINTENANCE HOLE

STORM DRAIN INLET

GATE VALVE

STREET LIGHTS

FIRE HYDRANT

POWER POLE

ANCHOR GUY

PARKING METER

PLANTER POT

MAIL BOX

GAS VAULT

CLEANOUT

TREE

SLB

COM

PG&E PG&E

TRASH RECEPTACLE

ELECTRICAL METER

STREET LIGHT BOX

ELECTRICAL BOX / VAULT

FIRE DEPARTMENT CONNECTION

COMMUNICATION BOX / VAULT

TELEPHONE BOX / VAULT

TELEVISION BOX / VAULT

PG&E BOX / VAULT

GAS VALVE

GAS METER

UTILITY RISER

DETECTOR BOX

UTILITY VAULT

WATER METER

MONITORING WELL

BOLLARD

BENCH

ELECTRICAL STUB

CURB, GUTTER, AND SIDEWALK

PER C.O.S. STD. DWG. NO. R-52.

STREET LIGHT FOUNDATION

SIGN (24" MIN FROM FOC)

STORM DRAIN LINE

TOP OF CURB ELEVATION

TOP OF WALL ELEVATION

BOTTOM OF WALL ELEVATION

COMCAST CONDUIT

WOOD FENCE

OVERHEAD ELECTRIC

EXISTING RIGHT-OF-WAY

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OH -

TELE

PROPOSED

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2.00BW

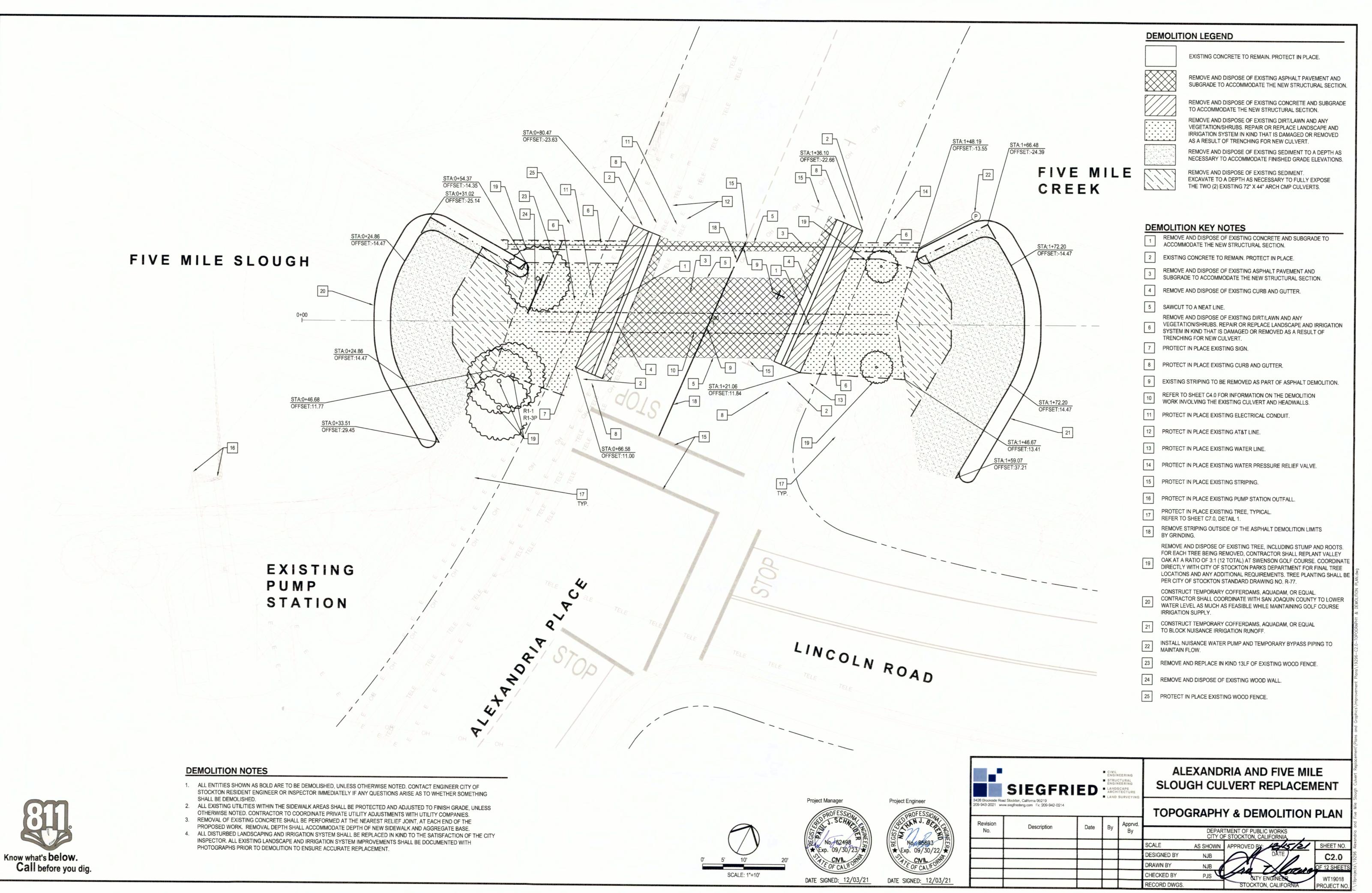
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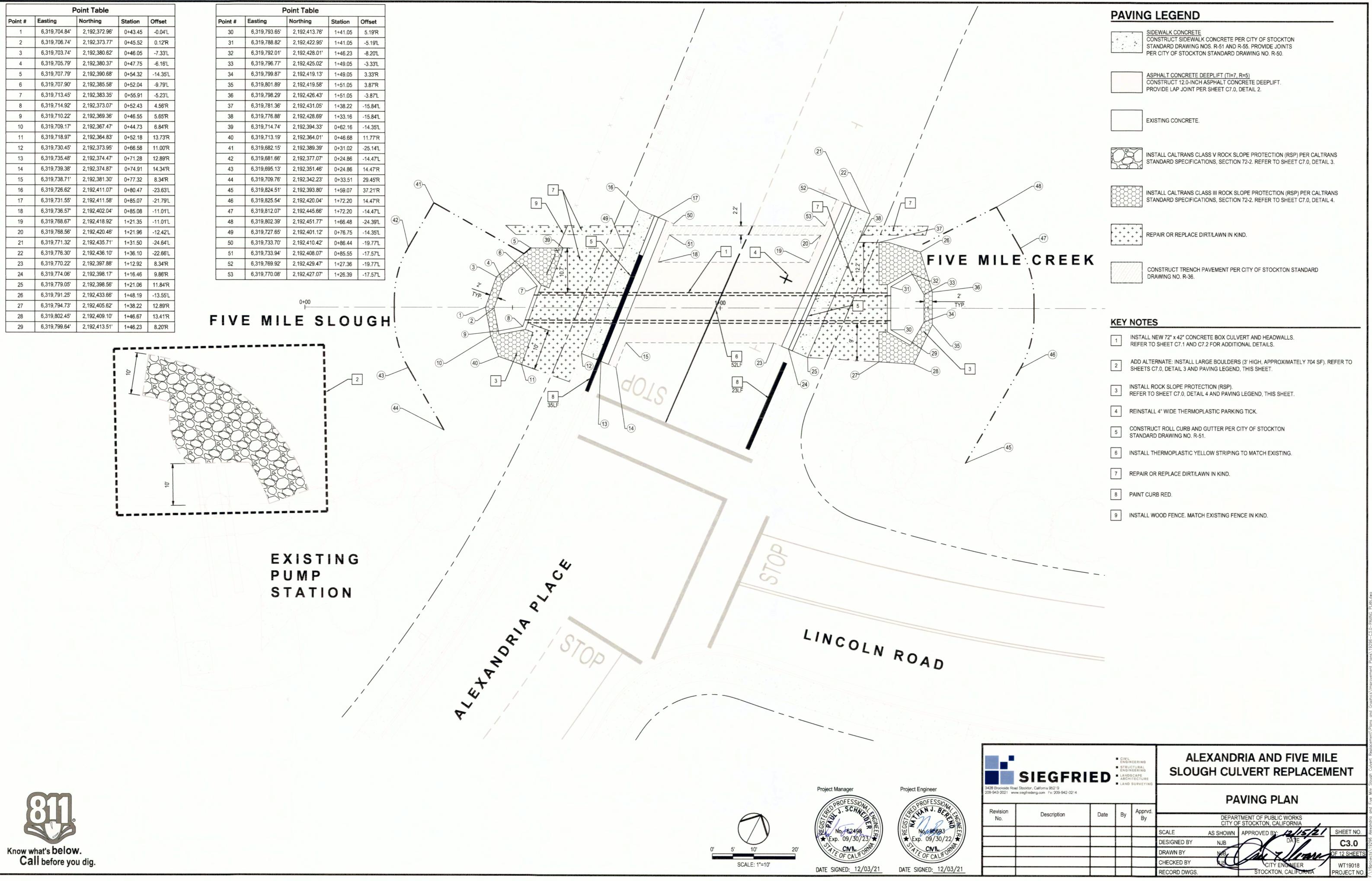
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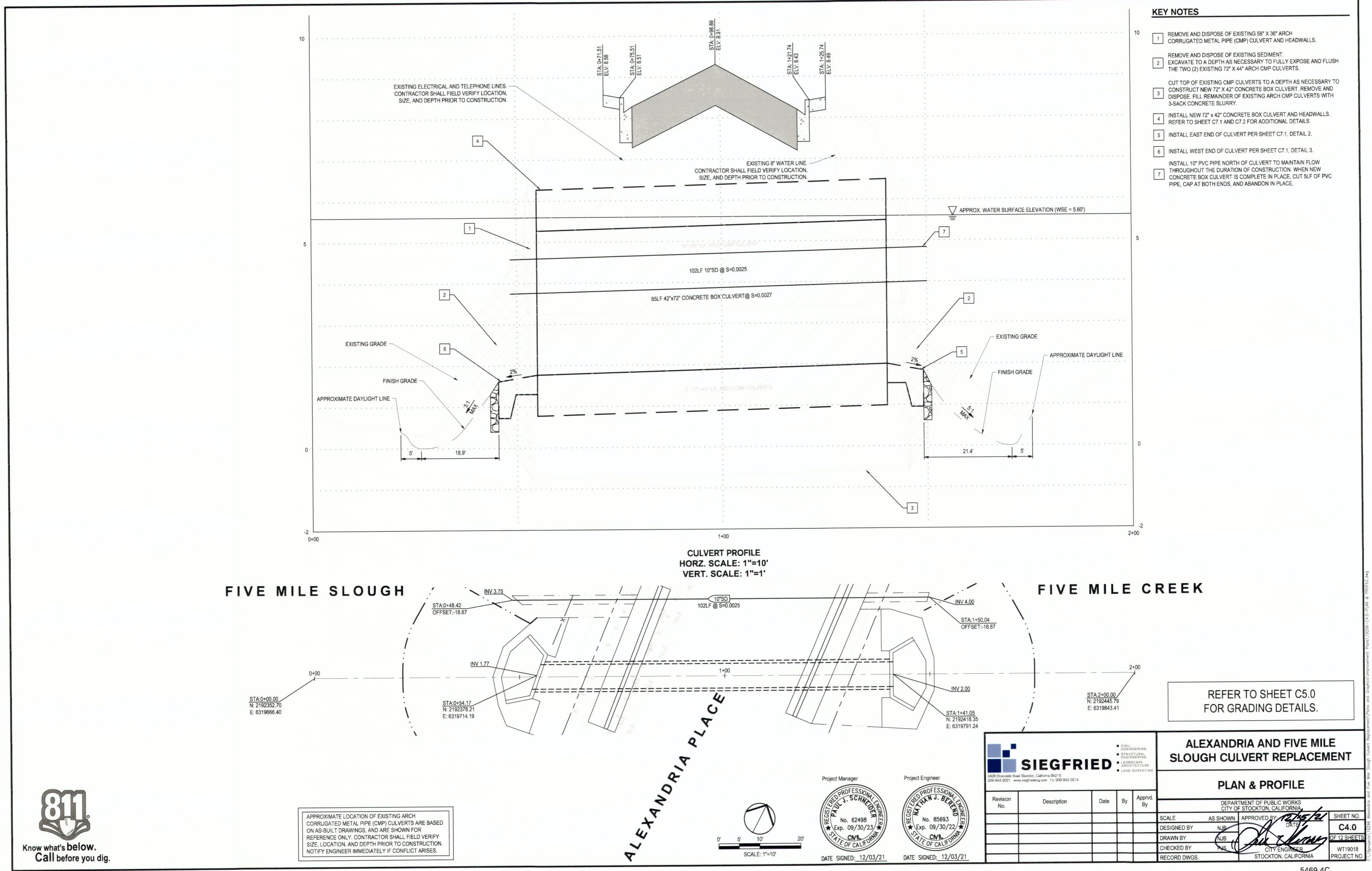
STANDARDS REFERENCES

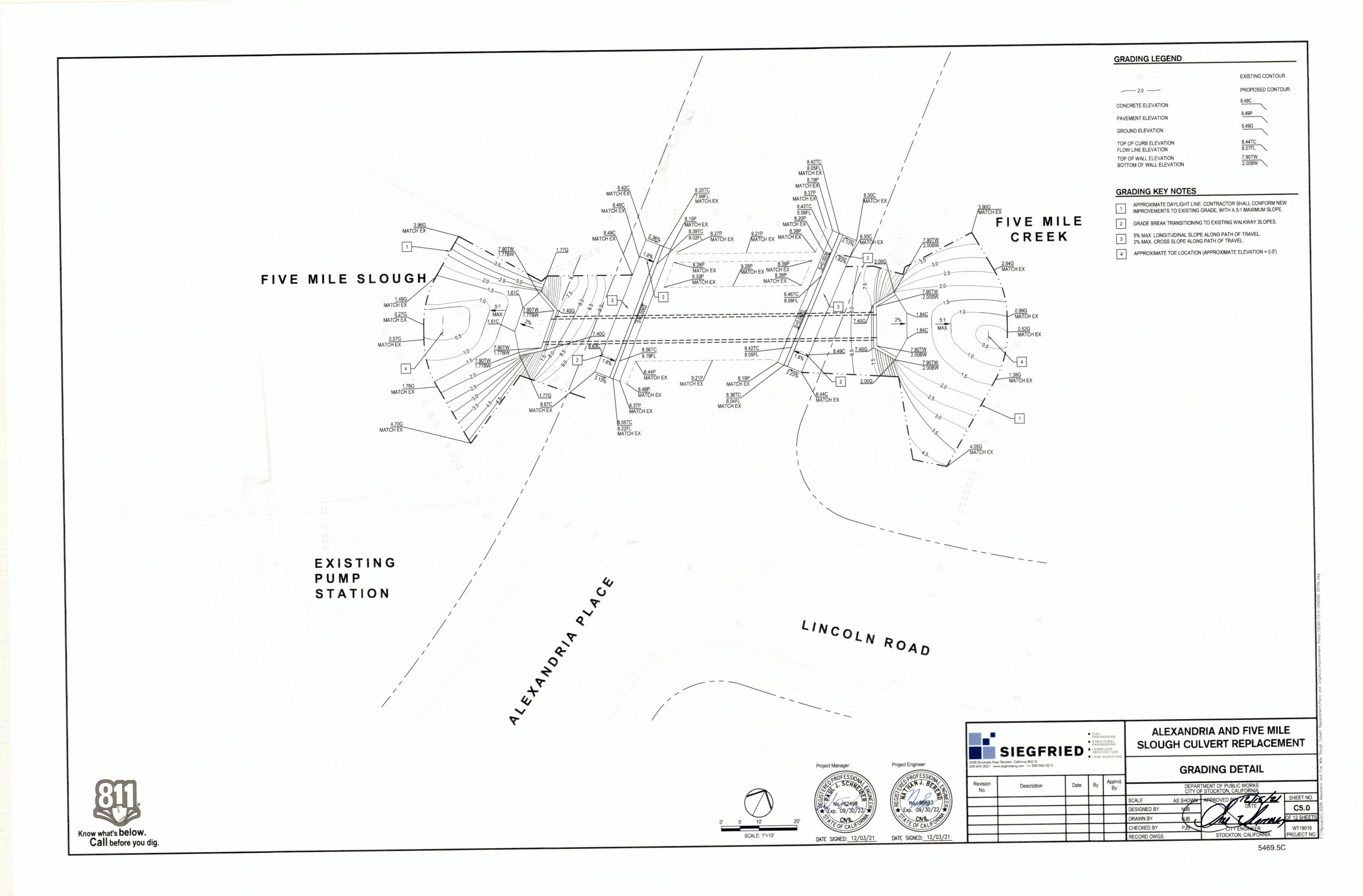
AGENCY DRAWING NUMBER DESCRIPTION R-50 CITY OF STOCKTON SIDEWALK DETAILS ROLL CURB, GUTTER & SIDEWALK CITY OF STOCKTON R-51 CONCRETE CURB, GUTTER, AND SIDEWALKS CITY OF STOCKTON R-55 CONSTRUCTION STANDARDS R-77 TYPICAL TREE PLANTING DETAIL CITY OF STOCKTON

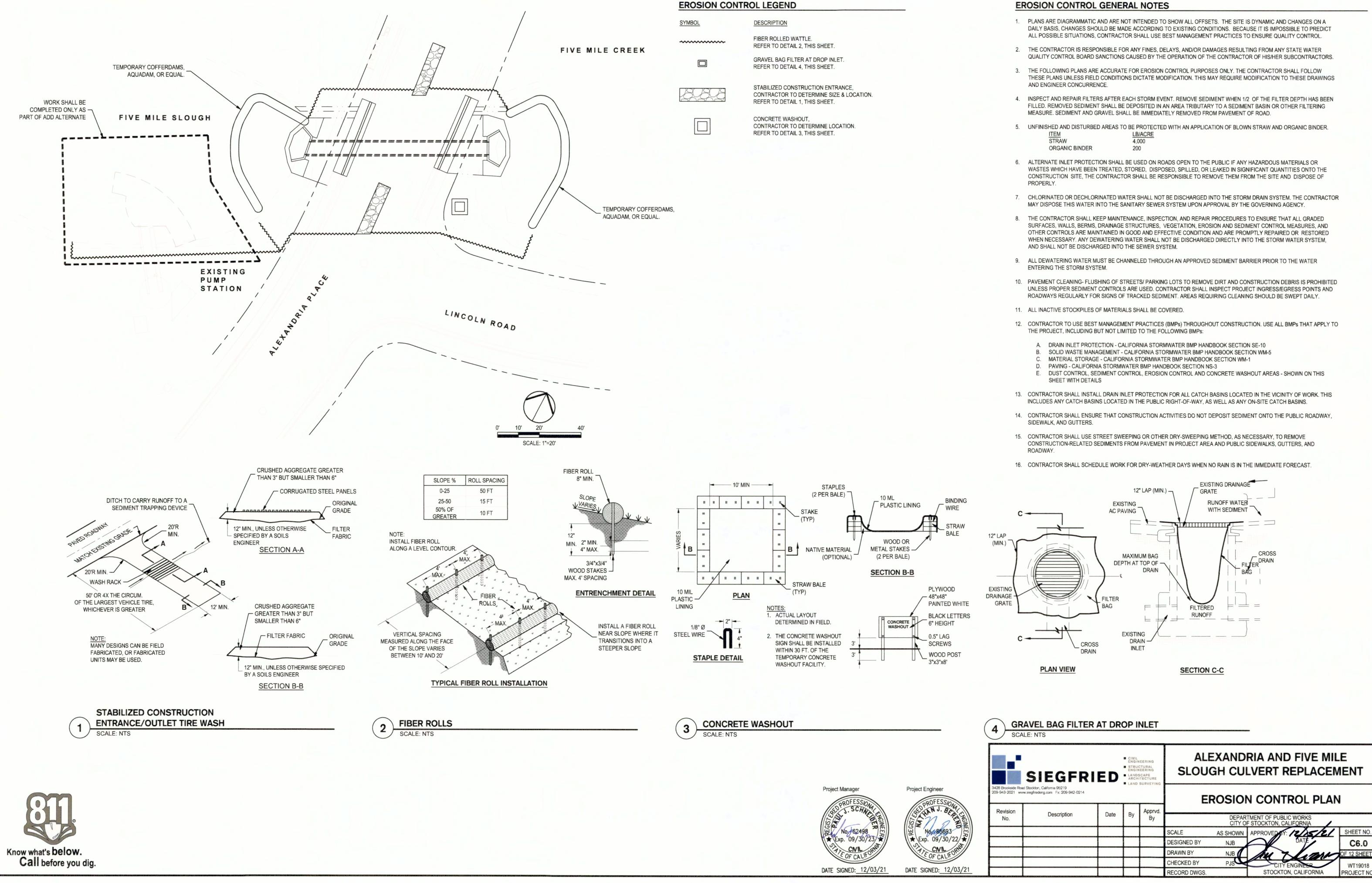
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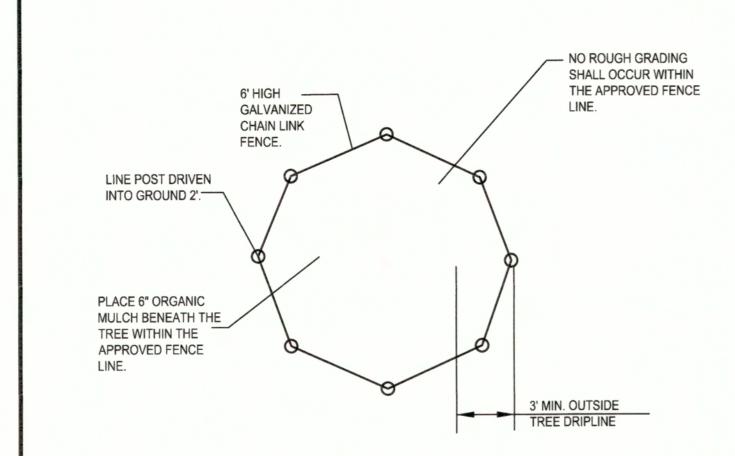


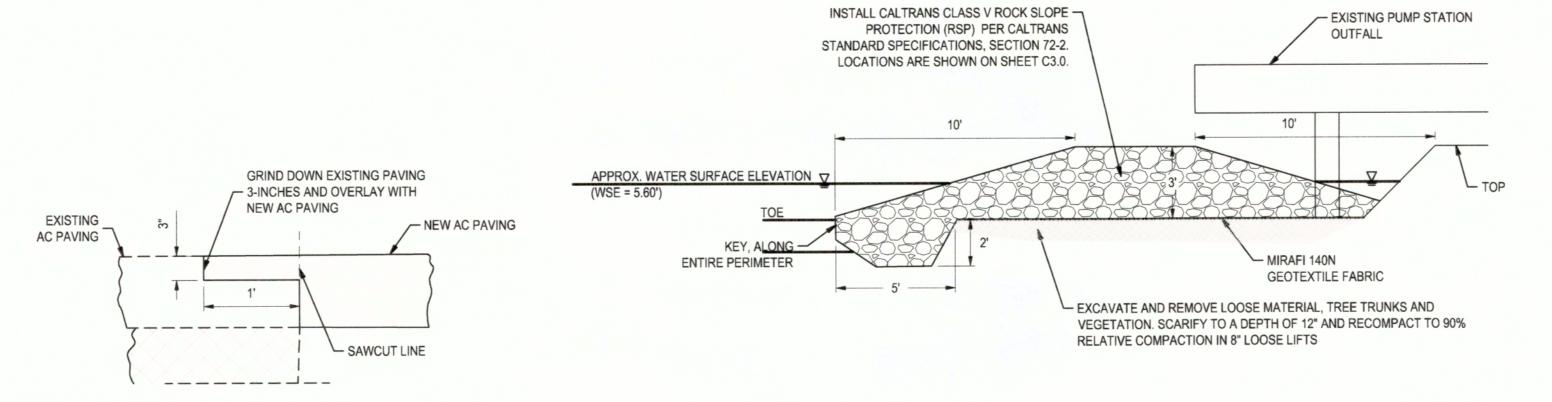


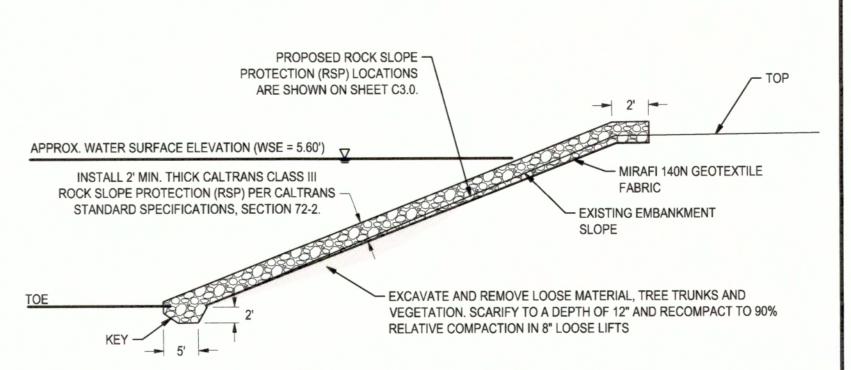












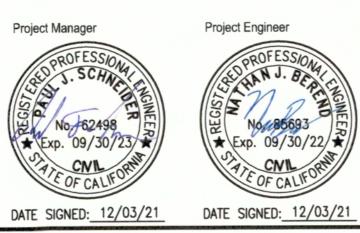
TYPICAL TREE PROTECTION

LAP JOINT NOT TO SCALE ENERGY DISSIPATION / SEDIMENT TRAP (ADD ALTERNATE) NOT TO SCALE

TYPICAL ROCK SLOPE PROTECTION (RSP)







	SIEGFR	IED	CIVIL ENGINEERING STRUCTURAL ENGINEERING LANDSCAPE ARCHITECTURE		ALEXANDRIA AND FIVE MILE SLOUGH CULVERT REPLACEMENT
209-943-2021 www.s	3428 Brookside Road Stockton, California 95219 209-943-2021 www.siegfriedeng.com Fx: 209-942-0214			ND SURVEYING	DETAILS
Revision No.	Description	Date	Ву	Apprvd. By	DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA,
					SCALE AS SHOWN APPROVED BY: 12/15/2/ SHEET NO.
					DESIGNED BY NJB C7.0
					DRAWN BY NJB OF 12 SHEETS
					CHECKED BY PJS CIT ENGINER WT19018
			1	1	PECOPD DWGS STOCKTON CALIFORNIA PROJECT NO.

