



COUNTY OF SAN JOAQUIN

DEPARTMENT OF PUBLIC WORKS
P.O. BOX 1810-1810 E. HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201
(209) 468-3000
FAX # (209) 468-9324

Permit No: **PS-1603213**
Date Issued: 10/12/2016
Start Date: 10/17/2016
Exp. Date: 11/15/2016
Project No: PWP110005
Quad: SE

ENCROACHMENT PERMIT

To: SSJID - FORREST KILLINGSWORTH
11011 EAST HWY 120
MANTECA, CA 95336

Encroachment Type:

Trench			
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Location:

N/S OF MILLER AVE. 20' E/O WESTBROOK LN. (APPROX. 265')

In compliance with your request of **10/11/2016**, permission is hereby granted to do work in County right-of-way as shown on attached application and subject to all the terms, conditions and restrictions written below or printed as general or special provisions on any part of this form. See reverse side and attached sheet, if any.

Trench excavations for service connections will not be permitted within ten feet (10') of pavement centerline unless otherwise approved by the Director. Surface of trench patches shall match in kind and be smooth and even with that of abutting surface. Special attention shall be given to depth of utilities through roadside area in anticipation of future drainage facilities, road profile and/or frontage development. All underground utility facilities are to be established and accurately dimensioned on sketches from surveyed centerline of road right of way, or from right of way (border) lines.

Permittee shall call the Department of Public Works, Field Engineering Division (Permit Inspections) at (209)953-7421 at least **forty-eight hours prior to beginning any work within the County right of way**. All work performed under this permit shall conform to the rules and regulations pertaining to safety established by the California Division of Industrial Safety and Cal-OSHA.

The jobsite shall be kept in a safe condition at all times by the daily removal of any excess dirt or debris which might be a hazard to either pedestrian or automobile traffic. All necessary traffic convenience and warning devices and personnel shall be provided, placed and maintained by and at the sole expense of the Permittee in accordance with the latest edition of the CALTRANS Manual of Traffic Control.

After completion of the work permitted herein, all debris, lumber, barricades, or any excess material shall be removed and the jobsite left in a neat workmanlike manner. Immediately following completion of construction permitted herein, Permittee shall fill out and mail notice of completion (see attached post card) provided by Grantor.

Special Comments:

Traffic Control Per MUTCD*****See Attached "Special Conditions"*****All excavation work is within the dirt shoulder of the County right-of-way, no pavement cuts necessary*****

FORMS:

SS/WW, R-29		
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Est. Permit Fee: \$0.00

WHITE	-Permittee
GOLDENROD	-PWD Central File
YELLOW	-Field Inspection
PINK	-Permit Section

KRIS BALAJI, Director
Department of Public Works

By: _____

Permit Section

ENCROACHMENT PERMIT GENERAL PROVISIONS

13-1.

1. This permit is issued under and subject to all laws and ordinances of agencies governing the encroachment herein permitted. See the following references:
STREETS AND HIGHWAYS CODE
 1. Division 1, Chapter 3
 2. Division 2, Chapter 2, Section 942
 3. Division 2, Chapter 4, Section 1126
 4. Division 2, Chapter 5.5 and Chapter 6
SAN JOAQUIN COUNTY ORDINANCES NUMBERED: 324, 441, 648, 662, 672, 695, 700, 860, 892, 3359, and 3675.
2. It is understood and agreed by the Permittee that the performance of any work under this permit shall constitute an acceptance of all the provisions contained herein and failure on the Permittee's part to comply with any provision will be cause for revocation of this permit. Except as otherwise provided for public agencies and franchise holders, this permit is revocable on five days notice.
3. All work shall be done subject to the supervision of and the satisfaction of the grantor. The Permittee shall at all times during the progress of the work keep the County Highway in as neat and clean condition as is possible and upon completion of the work authorized herein, shall leave the County Highway in a thoroughly neat, clean and usable condition.
4. The Permittee also agrees by the acceptance of this permit to properly maintain any encroachment structure placed by the Permittee on any part of the County Highway and to immediately repair any damage to any portion of the highway, which occurs as a result of the maintenance of the said encroachment structure, until such time as the Permittee may be relieved of the responsibility for such maintenance by the County of San Joaquin.
5. The Permittee also agrees by the acceptance of this permit to make, at its own expense, such repairs as may be deemed necessary by the County Department of Public Works.
6. It is further agreed by the Permittee that whenever construction, reconstruction or maintenance work upon the highway is necessary, the installation provided for herein shall, upon request of the County Department of Public Works, be immediately moved or removed by and at the sole expense of the Permittee.
7. No material used for fill or backfill in the construction of the encroachment shall be borrowed or taken from within the County right of way.
8. All work shall be planned and carried out with as little inconvenience as possible to the traveling public. No material shall be stacked within eight feet (8') of the edge of the pavement or traveled way unless otherwise provided herein. Adequate provision shall be made for the protection of the traveling public. Traffic control standards shall be utilized including barricades, approved signs and lights, and flagmen, as required by the particular work in progress.
9. The Permittee, by the acceptance of this permit, shall assume full responsibility for all liability for personal injury or damage to property which may arise out of the work herein permitted or which may arise out of the failure of the part of the Permittee to properly perform the work provided under this permit. In the event any claim of such liability is made against the County of San Joaquin or any department, official or employee thereof, the Permittee shall defend, indemnify, and hold each of them harmless for such claim.
10. All backfill material is to be moistened as necessary and thoroughly compacted with mechanical means. If required by the County Director of Public Works, such backfill shall consist of gravel or crushed rock. The Permittee shall maintain the surface over structures placed hereunder as may be necessary to insure the return of the roadway to a completely stable condition and until relieved of such responsibility by the County Department of Public Works. Wherever a gravel, crushed rock or asphalt surface is removed or damaged in the course of work related to the permitted encroachment, such material shall either be separately stored and replaced in the roadway as nearly as possible in its original state or shall be replaced in kind, and the roadway shall be left in at least as good a condition as it was before the commencement of operations of placing the encroachment structure.
11. Whenever it becomes necessary to secure permission from abutting property owners for the proposed work, such authority must be secured by the Permittee prior to starting work.
12. The current and future safety and convenience of the traveling public shall be given every consideration in the location and methods of construction utilized.
13. The Permittee is responsible for the preservation of survey monuments located within the area of work herein permitted. Prior to the start of construction, survey monuments that potentially may be disturbed shall be located and referenced by a Licensed Land Surveyor, and a Corner Record filed with the County Surveyor. Any Survey Monuments disturbed during the course of construction shall be reestablished by a Licensed Land Surveyor and another Corner Record filed with the County Surveyor. (Land Surveyors' Act Section 8771)
14. Prior to any excavation, the Permittee shall notify USA North (Underground Service Alert of Northern California and Nevada) at 811 or 800-227-2600 forty-eight (48) hours in advance.

SPECIAL CONDITIONS FOR
SSJID – MILLER AVE.
ENCROACHMENT PERMIT

1. Maintain traffic controls for all roads. Traffic control delays shall not exceed 15 minutes. Two-way traffic shall be maintained during non-working hours with excavated areas backfilled or plated. During working hours, two-way traffic control shall be maintained with one lane open and appropriate flaggers.
2. Access to all properties shall be maintained at all times except when work is occurring at the access point. Minimal delays will be allowed to provide access within the work zone area. Driveway access shall be fully restored at the end of each workday. Driveways disturbed by the contractor shall be replaced with in-kind or better materials.
3. Residents and businesses shall be notified in writing, as approved by the County, 48 hours in advance of any impacts to their access.
4. Any areas where parking is to be restricted shall have signs noting the restrictions in place at least 48 hours in advance.
5. Existing fences shall not be removed without written consent of the property owner. Such consent shall be submitted to the County prior to the removal. Fences removed shall be restored with in-kind or better materials. Restored fences shall not encroach into County right-of-way.
6. Work shall not be permitted within the San Joaquin County right-of-way between November 1 and March 31 without prior authorization from the San Joaquin County Department of Public Works Field Engineering Division, contact them at 209-953-7421.
7. All destroyed or obliterated pavement markings must be replaced in kind by the permittee. Typical pavement markings include but not limited to lane lines, centerlines, stop and stop ahead legends, limit lines, raised pavement markers and miscellaneous delineators.
8. The Permittee is responsible for the preservation of survey monuments located within the area of work herein permitted. Prior to the start of construction, survey monuments that potentially may be disturbed shall be located and referenced by a Licensed Land Surveyor, and a Corner Record filed with the County Surveyor. Any Survey Monuments disturbed during the course of construction shall be reestablished by a Licensed Land Surveyor and another Corner Record filed with the County Surveyor. (Land Surveyors' Act Section 8771)
9. All pipe and pipeline related facilities including, but not limited to, valves, utility boxes and vaults, and frames and covers shall be maintained by SSJID, including any facilities that are abandoned in place. SSJID shall be responsible for any and all costs associated with the removal, relocation and/or adjustment of these facilities as determined by the County at SSJID's expense. (Streets and Highways Code Section 1463)
10. All future maintenance of the pipeline and related facilities within the County right-of-way will require a San Joaquin County Encroachment Permit.

11. Trenches shall be maintained in a smooth and even condition to the satisfaction of the County throughout the project limits at all times.
12. All trenches shall be completely backfilled or shored and plated at the end of each workday, and the roadway restored to two-way traffic. If plating is to be used, a trench shoring and plating plan suitable for traffic loadings shall be prepared by a registered civil engineer and submitted for prior approval by the County.
13. The contractor shall use San Joaquin County Improvement Standard R-29 when backfilling trenches within the County right-of-way.
14. Contractor shall establish existing roadway and drainage grades within the construction area. Any repair to roadways and adjacent areas shall match existing grades. Any proposed grade changes shall receive prior approval from County.
15. Above ground vaults, panels and/or other similar facilities will be allowed within the right-of-way if located as far to the outside edge as possible. Utility vaults shall be located a minimum of 4'-0" from edge of pavement.
16. County roads shall be kept clean from mud and debris at all times along the access points and work zone areas during entire project. All standard roadway striping and signage shall be clearly visible, maintained and restored throughout the construction zone during and after the project.
17. In addition to standard dust control measures, streets shall be maintained in a clean condition, free of dirt, mud and debris during construction activities. The contractor shall provide daily, or as needed, street sweeping using a modern mechanical or vacuum-assisted street sweeper.
18. The contractor shall not conduct construction operations in rain or heavy fog conditions.

APPLICATION FOR ENCROACHMENT PERMIT

PLEASE PRINT:

Date OCTOBER 10, 2016

To: San Joaquin County
Department of Public Works
SOUTH SAN JOAQUIN IRRIGATION DISTRICT
FORREST KILLINGSWORTH

(Applicant Name)

11011 EAST HIGHWAY 120

(Mailing Address)

MANTECA, CA 95336

(City, State, Zip Code)

(209) 249-4620

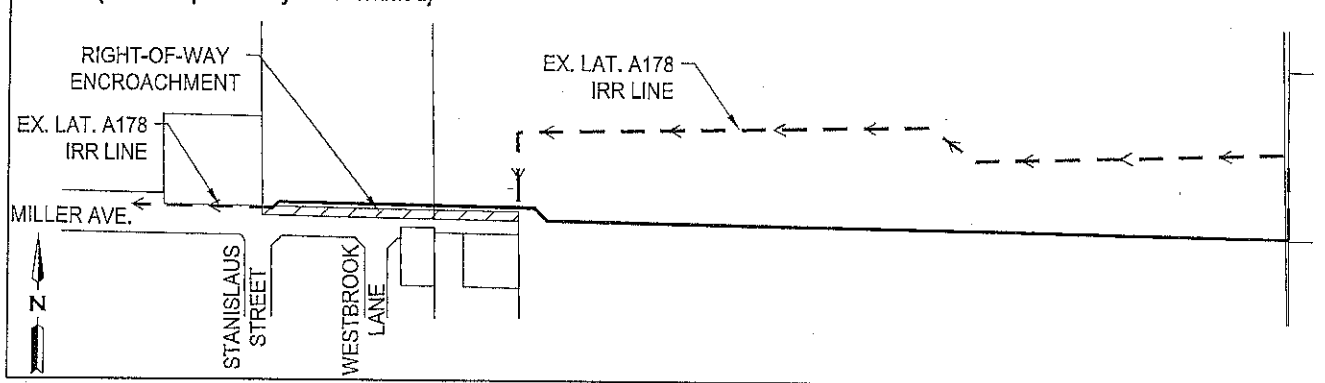
(Area Code - Telephone Number)

OFFICE USE ONLY

JOB # 110005 REF # _____
APN _____ CR # _____
EXP. DATE 12/15/16
VALID 10/17/16 TO 12/15/16 DRIVEWAYS: _____
STREET Miller Ave (County Portion) * _____
AREA Escalon QUAD SE * _____
TYPE Trenching * _____
FORMS SSJID, R-29
NOTES

Note: SSJID removing existing lateral which is in the County right-of-way and installing 36" new lateral north of County right-of-way within SSJID Easement.

Sketch (Detailed plans may be submitted)



The undersigned hereby applies for permission to excavate, construct and/or otherwise encroach on County Highway Right-of-Way on the NORTH side of MILLER AVENUE approximately 1,250 feet/mile EAST of ESCALON BELLOTA ROAD, ESCALON, CA, by performing the following work (description of work): INSTALLING 36" SSJID IRRIGATION LATERAL A178 WITH A PORTION OF CONSTRUCTION WITHIN THE COUNTY RIGHT-OF-WAY. PG&E SHALL HOLD POLES FOR SSJID AND DUE TO THIS ACTIVITY WORK WILL OCCUR WITHIN THE COUNTY RIGHT-OF-WAY.

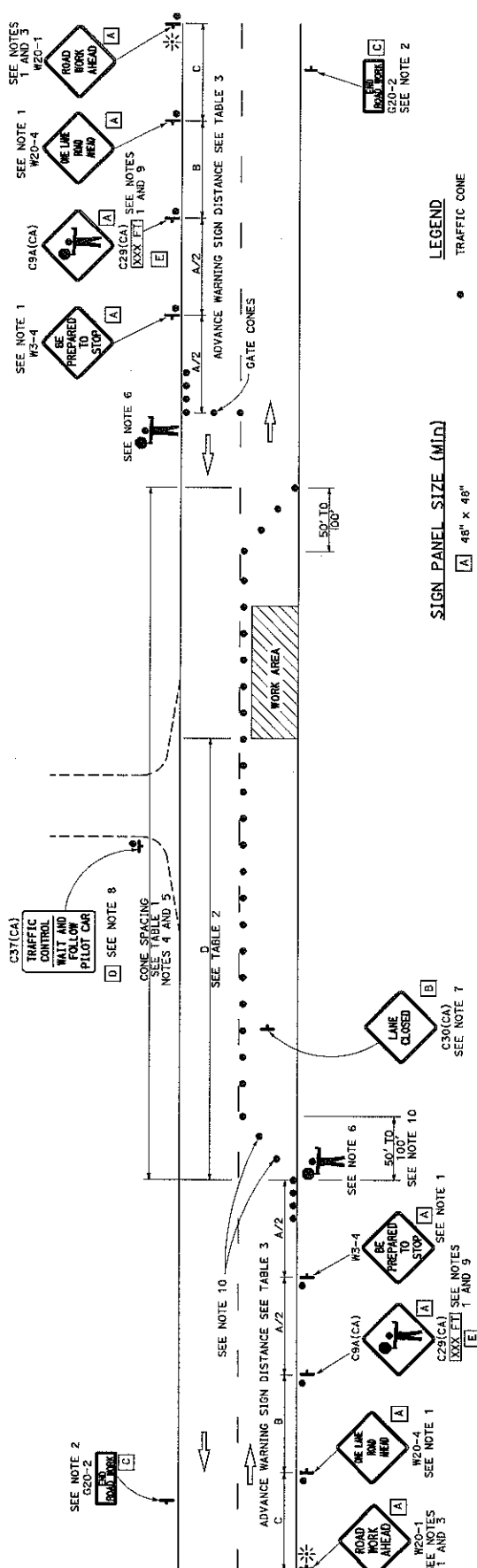
Work will commence on or about OCTOBER 17, 2017 for approximately 60 days.

I, the undersigned, certify that I am the owner of the respective property, or am qualified to represent the owner and agree to do the work described above in accordance with the rules and regulations of San Joaquin County and subject to inspection and approval.

F. J. K. L. ENGINEER
Signature of Applicant - Title

10/10/16
Date

See Revised Standard Plan RSP T9 for tables.



1. Each advance warning sign in each direction of travel shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size. The first shall be orange or fluorescent red-orange in color. The second shall be reflective white or reflective yellow-green in color.
2. Indicated for lane closure during hours of darkness.
3. A 620-2 "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane control unless the end of work area is obvious, or lane within a larger project's limits.
4. If the W20-1 or W20-2 "ROAD WORK NEXT" sign is used for the first advance warning sign.
5. All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
6. Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
7. Additional advance flaggers may be required. Flaggers should stand in a conspicuous place, be visible to approaching traffic as well as approaching vehicles and be clearly visible to the traffic. Flaggers shall be illuminated and clearly visible to approaching traffic. The illumination footprint of the lighting on the ground shall be at least 100' in diameter and extend from four cones at 50' intervals in advance of flagger station as shown.
8. Place C30(CA) "LANE CLOSED" sign at 500' to 1000' intervals throughout extended work areas. They are optional if the work area is visible from the flagger station.
9. When a pit or cut is used, place a C37(CA) "TRAFFIC CONTROL-WAIT" and FOLLOW PILOT CAR" sign with black legend on white background at all intersections, driveways and alleys without a flagger at all times. Where traffic can not be effectively self-regulated at all times, where traffic can not be effectively self-regulated at least one flagger shall be used at each intersection within traffic control area.
10. An optional C29(CA) sign may be placed below the C30(CA) sign.
11. Either traffic cones or barricades shall be placed on the taper. Barricades shall be Type I, II, or III.

☐ A $48'' \times 48''$
☐ B $30'' \times 30''$
☐ C $36'' \times 18''$
☐ D $36'' \times 42''$
☐ E $20'' \times 7''$

TRAFFIC CONE
TEMPORARY TRAFFIC CONTROL SIGN
PORTABLE FLASHING BEACON
FLAGGER

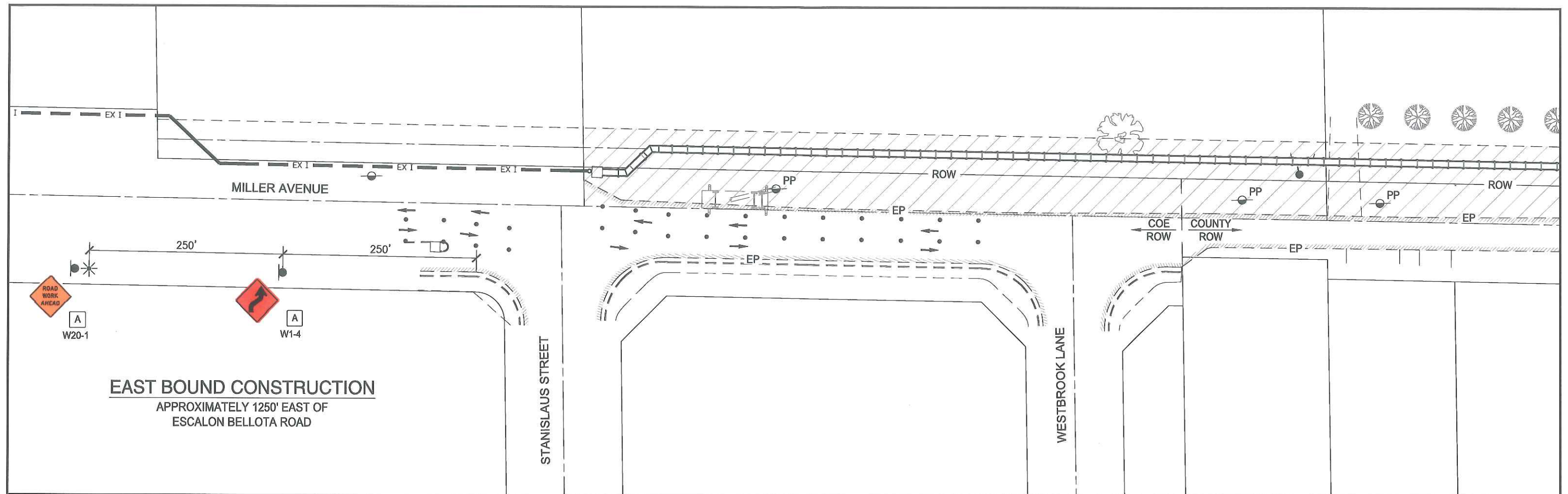
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON TWO LANE CONVENTIONAL HIGHWAYS





NO SCALE

RSP T13 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T13
DATED MAY 20, 2011 - PAGE 241 OF THE STANDARD PLANS BOOK DATED 2010.





REVISÉD STANDARD PLAN RSP T13



LEGEND

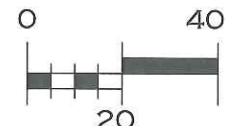
-  PORTABLE SIGN
-  CONSTRUCTION AREA
-  CHANNELIZERS 28" MIN. HEIGHT
(CALIFORNIA MUTCD, 2010 SECTION
6F.59 - CONES) (USE GLUE DOWN
CHANNELIZERS FOR 24 HR. TRAFFIC
CONTROL)
-  DIRECTION OF TRAVEL

SIGN PANEL SIZE (MIN.)

- | | |
|---|-----------|
|  | 48" X 48" |
|  | 18" X 18" |
|  | 30" X 30" |
|  | 48" X 48" |

NOTES:

CONTRACTOR SHALL COORDINATE W/ TRAFFIC ENGINEERING
FOR ANY REQUIRED ADJUSTMENTS TO TRAFFIC SIGNALS



**SOUTH SAN JOAQUIN
IRRIGATION DISTRICT**



MCR ENGINEERING, INC.
1242 DUPONT COURT
MANTECA, CA 95336
TEL: (209) 239-6229
FAX: (209) 239-8839

SSJID LATERAL A178 TRAFFIC CONTROL PLAN

BY: MARSHALL SWIFT
DATE: SEPT. 2016
SHEET: 1 OF 1
FILE: J:\16-025\dwg\TC

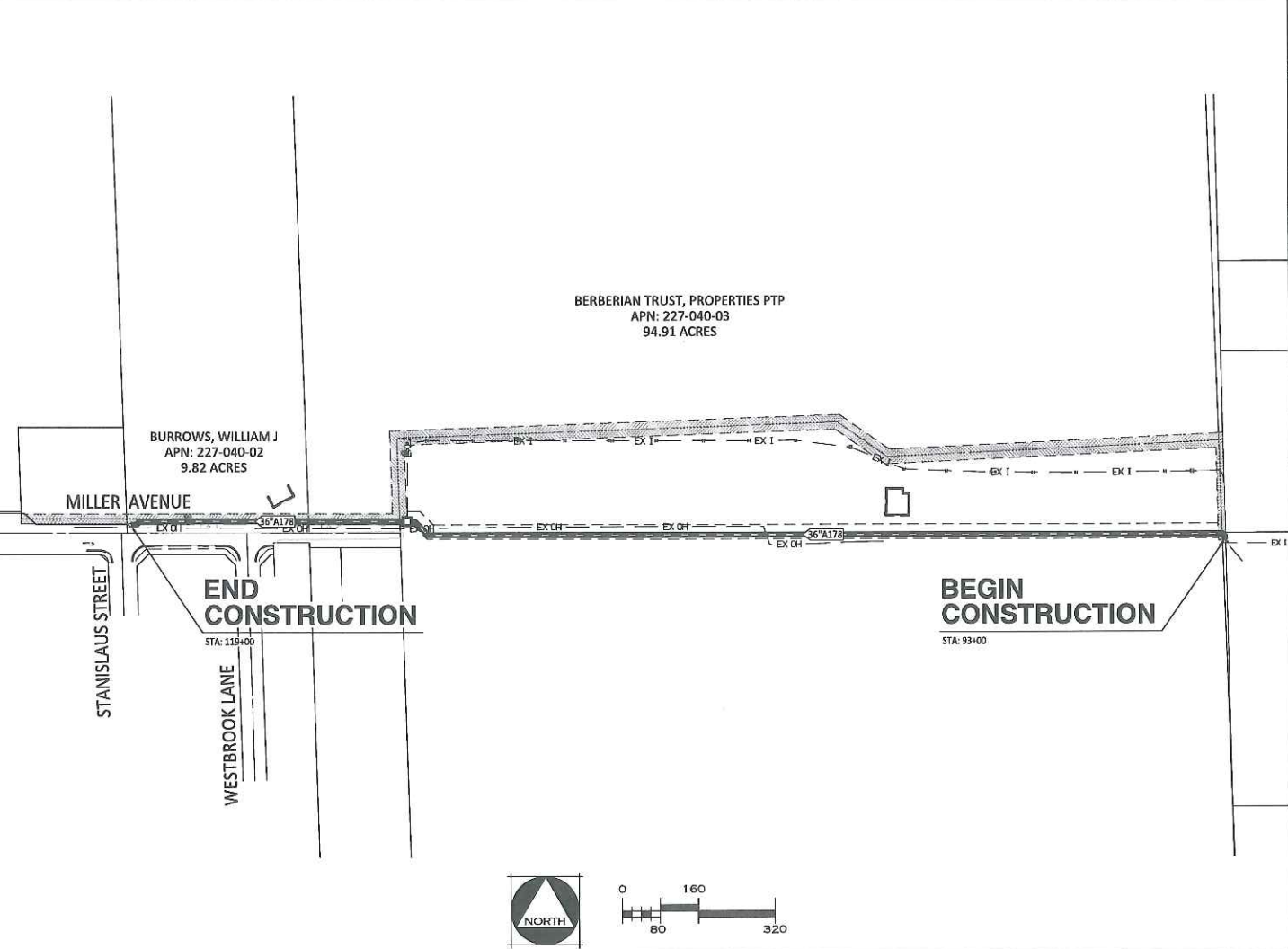
IMPROVEMENT PLANS FOR:
SOUTH SAN JOAQUIN IRRIGATION DISTRICT
LATERAL A178

STATION 95+00 TO 118+00±
ESCALON, SAN JOAQUIN COUNTY, CALIFORNIA

LEGEND

ITEM	EXISTING	PROPOSED
IRRIGATION	EX I	
IRRIGATION DIRECTION & SIZE	42" IRR	42" IRR
IRRIGATION CONTROL BOX		
IRRIGATION 'C' STRUCTURE		
IRRIGATION 'U' STRUCTURE		
IRRIGATION 'THRU' STRUCTURE		
IRRIGATION STANDPIPE		
SSJD WATERLINE MARKER		
ELEVATION	43.50FG 43.00EG	43.50FG 43.00EG
ORIGINAL GROUND	+40.00	N/A
CONTOUR (0.5' INTERVAL)		N/A
WIRE FENCE		
WOOD FENCE		
IRRIGATION STRUCTURE CALLOUT	24" Ø STANDPIPE TOP ELEV: 137.18 INV ELEV: 125.26 G ELEV: 130.81	N/A
TREE		N/A
TREE REMOVAL DELINEATION (DEMO PLAN)		N/A
DETAIL CALLOUT	DETAIL NUMBER SHEET REFERENCE	1 2
PAVEMENT		
SSJD EASEMENT	20' SSJD EASEMENT	20' SSJD EASEMENT

SITE PLAN



VICINITY MAP



SHEET INDEX

#	SHEET TITLE
1	INDEX, ABBREVIATIONS, & LEGEND
2	STANDARD SPECIFICATIONS
3	CONSTRUCTION DETAILS
4	CONTROL BOX DETAILS
5	TOPOGRAPHIC SURVEY & DEMOLITION PLAN
6	TYPICAL CROSS SECTIONS
7	PLAN & PROFILE 109+00 - END
8	PLAN & PROFILE 101+00 - 109+00
9	PLAN & PROFILE 93+00 - 101+00
10	EROSION CONTROL PLAN

ABBREVIATION LIST

@	AT	EP	EDGE OF PAVEMENT	PP	POWER POLE	THRU	THROUGH
AB	AGGREGATE BASE	ESMT	EASEMENT	PL	PROPERTY LINE	TI	TRAFFIC INDEX
AC	ASPHALT CONCRETE	EVC	END OF VERTICAL CURVE	PRC	POINT OF REVERSE CURVATURE	TYP.	TYPICAL
ADA	AMERICAN DISABILITIES ACT	E, EX, OR EXIST	EXISTING	PT	POINT	WS	WATER SERVICE
BC	BEGINNING OF CURVE	FH	FIRE HYDRANT	PUE	PUBLIC UTILITY EASEMENT	W	WATER
BDRY	BOUNDARY	FL	FLOW LINE	PVC	POLYVINYL CHLORIDE PIPE	±	PLUS OR MINUS (NOT EXACT)
BSL	BUILDING SET BACKLINE	G	GROUND	RCP	REINFORCED CONCRETE PIPE	U.N.O.	UNLESS NOTED OTHERWISE
BVC	BEGIN VERTICAL CURVE	GB	GRADE BREAK	RGRCP	RUBBER GASKET REINFORCED CONCRETE PIPE		
C & G	CURB AND GUTTER	HP	HIGH POINT	RET	RETURN		
CIPP	CAST IN PLACE PIPE	HGL	HYDRAULIC GRADE LINE	R	RADIUS		
CI	CURB INLET	HPS	HIGH PRESSURE SODIUM	SD	STORM DRAIN		
C	CENTER LINE	INV	INVERT	SHT	SHEET		
CO	CLEAN OUT	IRR	IRRIGATION	SMS	STREET NAME SIGN		
CONC	CONCRETE	LF	LINEAL FEET OR LINEAR FEET	STA	STATION		
CR	CURB RETURN	LP	LOW POINT	STD	STANDARD		
DIA	DIAMETER	MAX	MAXIMUM	S/W	SIDEWALK		
DIP	DUCTILE IRON PIPE	MH	MAINTENANCE HOLE	SS	SANITARY SEWER		
DW	DRIVEWAY	MIN	MINIMUM	S	SLOPE		
D OR SD	DRAIN OR STORM DRAIN	NTS	NOT TO SCALE	SSJD	SOUTH SAN JOAQUIN IRRIGATION DISTRICT		
EC	END OF CURVE	OG	ORIGINAL GROUND / GRADE	TC	TOP OF CURB		
ELEV	ELEVATION	P	PROPOSED	TEMP	TEMPORARY		

APPROVALS

SOUTH SAN JOAQUIN IRRIGATION DISTRICT	
S.S.J.I.D., its employees and agents are not responsible for verification of the elevations and dimensions indicated on plans nor any errors or omissions that may be present. Approval is subject to the data shown which appears to be in conformity with S.S.J.I.D. requirements for protection of District Facilities. So Conditionally Approved	
ENGINEERING DEPARTMENT MANAGER	DATE
811	
Know what's below. Call before you dig. 811 / 800-227-2600 COPYRIGHT © 2016 MCR ENGINEERING	



MCR ENGINEERING, INC.
1242 DUPONT COURT
MANTECA, CA 95336
TEL: (209) 239-6229
FAX: (209) 239-8839

mcr
ENGINEERING
www.mcr-eng.com

NO.	DESCRIPTIONS	DATE	APPROVED
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

JOB NO. 15-025	DATE SEPTEMBER 2016
SCALE AS SHOWN	DR BY MS
CK BY DE	FILE: J:\15-025 LATERAL A178

INDEX, ABBREVIATIONS, & LEGEND
SSJD LATERAL A178
ESCALON, CALIFORNIA

SHEET
1
OF 10 SHEETS

SOUTH SAN JOAQUIN IRRIGATION DISTRICT NOTES:

THE FOLLOWING APPLY TO WORK WITHIN SOUTH SAN JOAQUIN IRRIGATION DISTRICT RIGHT-OF-WAY OR EASEMENTS AND ALL WORK ON SOUTH SAN JOAQUIN IRRIGATION DISTRICT IRRIGATION PIPELINES AND CANALS:

1. SOUTH SAN JOAQUIN IRRIGATION DISTRICT SHALL BE CONTACTED AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF WORK ON OR NEAR IRRIGATION LINES. CONSTRUCTION ON OR NEAR IRRIGATION LINES MUST BE ACCOMPLISHED BETWEEN OCTOBER 15 AND FEBRUARY 15 OF ANY YEAR. BETWEEN THE DATES OF FEBRUARY 15 AND OCTOBER 15 IRRIGATION LINES WILL BE USED FOR IRRIGATION PURPOSES ONLY AND AS SUCH, UNLESS SPECIAL ARRANGEMENTS ARE MADE WITH THE DISTRICT, CONSTRUCTION WILL NOT BE ALLOWED. FOR ALL CONSTRUCTION WORK INVOLVING PIPELINES USED TO CONVOY STORMWATER, THE CONTRACTOR SHALL COMPLETE THE CONTRACTOR SHALL COMPLETE ALL SUCH CONSTRUCTION IN A TIMELY AND DILIGENT MANNER WITHOUT RESTRICTING THE NORMAL FLOW OF WATER WITHIN THE LINE.
2. USED MATERIALS, REJECTS, MISFITS, OR SECONDS, ETC. ARE NOT ACCEPTABLE FOR USE ON DISTRICT FACILITIES.
3. SOUTH SAN JOAQUIN IRRIGATION DISTRICT SHALL INSPECT ALL WORK PHASES ON IRRIGATION FACILITIES FOR CONFORMANCE TO DISTRICT SPECIFICATIONS. REINFORCING SHALL NOT BE ENCASED IN CONCRETE WITHOUT PRIOR DISTRICT INSPECTION. LIKEWISE, CONCRETE SHALL NOT BE COVERED WITH EARTH PRIOR TO DISTRICT INSPECTION.
4. DISTRICT SHALL BE PROVIDED WITH NAME, ADDRESS, AND PHONE NUMBER OF CONTRACTORS, SUBCONTRACTORS, ETC. RESPONSIBLE FOR WORK BEING PERFORMED ON DISTRICT FACILITIES. ALSO, PROVIDE NAME AND NUMBER OF CONTACT PERSON RESPONSIBLE FOR OVERSEEING ALL PHASES OF CONSTRUCTION.
5. THE CONTRACTOR HEREBY AGREES TO MAKE, AT HIS OWN EXPENSE, ALL REPAIRS OR REPLACEMENTS NECESSITATED BY DEFECTS IN MATERIALS OR WORKMANSHIP, SUPPLIED FOR DISTRICT FACILITIES, AND PAY FOR ANY DAMAGE TO OTHER WORKS RESULTING FROM SUCH DEFECTS WHICH BECOME EVIDENT WITHIN 3 YEARS AFTER THE DATE OF FINAL ACCEPTANCE OF WORK. THE CONTRACTOR FURTHER AGREES TO HOLD THE DISTRICT HARMLESS FROM LIABILITY OF ANY KIND ARISING FROM DAMAGE DUE TO SAID DEFECTS. THE CONTRACTOR SHALL MAKE ALL REPAIRS AND REPLACEMENTS PROMPTLY UPON WRITTEN ORDER FROM THE DISTRICT.
6. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REPAIRS OF ALL PIPELINE CRACKS, WHICH DEVELOP DURING CONSTRUCTION OF IMPROVEMENTS AFFECTING THE PIPELINE.
7. THE CONTRACTOR SHALL NOT LEAVE DISTRICT PIPELINE PROJECTS INCOMPLETE FOR MORE THAN TWO WEEKS. WHEN CONDITIONS REQUIRE, CONTRACTOR SHALL PROVIDE A TEMPORARY DIVERSION DITCH TO PROVIDE FOR IRRIGATION WATER DELIVERY OR STORMWATER REMOVAL.
8. USE OF PUBLIC UTILITY EASEMENTS: SOUTH SAN JOAQUIN IRRIGATION DISTRICT HAS BEEN GRANTED AN EXCLUSIVE EASEMENT FOR ITS USE AND DISPOSITION. THE PUBLIC UTILITY EASEMENT (PUE) MAY BE PERMITTED TO OVERLAP THE SOUTH SAN JOAQUIN IRRIGATION DISTRICT EASEMENT EITHER ABOVE OR BELOW GROUND WHERE WRITTEN PERMISSION OF SOUTH SAN JOAQUIN IRRIGATION DISTRICT IS OBTAINED PRIOR TO CONSTRUCTION AND AFTER WRITTEN APPLICATION. FURTHERMORE, TRANSFORMERS, PANEL BOXES, METER INSTALLATIONS, PULL BOXES, AND OTHER UTILITY COMPANY FACILITIES OF THE PUE OR ANY OTHER WHICH, IN ANYWAY, ARE PERCEIVED BY SOUTH SAN JOAQUIN IRRIGATION DISTRICT AS OBSTRUCTION TO ITS EASY ACCESS AND/OR MAKING ITS EASEMENTS OR SYSTEMS MAINTAINABILITY, REPAIR, AND REPLACEMENT MORE COMPLEX AND COSTLY ARE PROHIBITED.
9. TIME LIMITS FOR DEVELOPMENT PLANS: SOUTH SAN JOAQUIN IRRIGATION DISTRICT HAS ADOPTED "TIME LIMITS" LIMITING THE PERIOD OF ITS APPROVAL SHOULD THE LANDOWNER/DEVELOPER FAIL TO SUBSTANTIALLY COMPLETE HIS DEVELOPMENT PROJECT IN A TIMELY MANNER AND AS PER APPROVED DEVELOPMENT PLANS. THESE "TIME LIMITS" ADOPTED BY SOUTH SAN JOAQUIN IRRIGATION DISTRICT ARE IN MOST CASES EQUAL TO THOSE UTILIZED BY THE GOVERNMENTAL AGENCY OR INSTITUTION RESPONSIBLE FOR DEVELOPMENT APPROVALS. SHOULD THE "TIME LIMIT" BE EXCEEDED, SOUTH SAN JOAQUIN IRRIGATION DISTRICT RESERVES THE RIGHT TO THEN APPLY ANY OF ITS CURRENT DEVELOPMENT STANDARDS AND REQUIREMENTS.
10. CONTRACTOR SHALL PUMP SOUTH SAN JOAQUIN IRRIGATION DISTRICT PIPELINE DRY PRIOR TO EXCAVATION UNDERNEATH IT.
11. PROVIDE A MINIMUM VERTICAL CLEARANCE OF 2 FEET BETWEEN ANY NON-REINFORCED BOX, PIPE, OR STRUCTURE AND ANY UTILITY CROSSING OR CITY INSTALLATION. LIKEWISE PROVIDE A MINIMUM HORIZONTAL CLEARANCE OF 5 FEET BETWEEN ANY S.S.J.I.D. BOX OR STRUCTURE AND ANY UTILITY. CONTRACTORS SHALL POTHOLE OR LOCATE OUTSIDE EDGE OF PIPE TO VERIFY CLEARANCE IF REQUESTED TO DO SO BY DISTRICT INSPECTOR, AT TO COST TO DISTRICT. A MINIMUM 30" COVER SHALL BE PROVIDED OVER ALL DISTRICT PIPELINES, UNLESS OTHERWISE APPROVED BY DISTRICT ENGINEER.
12. CONSTRUCTION OF DRIVEWAYS OVER NON-REINFORCED PIPELINES WITH INADEQUATE COVER WILL NOT BE PERMITTED, UNLESS THE PIPELINE IS REPLACED WITH R.G.R.C.P. OR A REINFORCED CONCRETE BRIDGING IS PLACED OVER PIPELINE PER S.S.J.I.D. SPECIFICATIONS. DRIVEWAYS PLACED OVER NON-REINFORCED PIPELINES WITH ADEQUATE COVER SHALL BE CONSTRUCTED IN SECTIONS TO ALLOW FOR EASY REMOVAL WITH MINIMAL DAMAGE IN THE EVENT THAT REPAIRS TO THE PIPELINE WILL BE NECESSARY IN THE FUTURE.
13. NO HEAVY EQUIPMENT WILL TRAVEL OVER THE S.S.J.I.D. PIPELINE WITHOUT APPROVED BRIDGING, SAID BRIDGING TO BE APPROVED BETWEEN S.S.J.I.D. AND THE CONTRACTOR.
14. ALL LANDSCAPING/FENCING PLANS WITHIN DISTRICT RIGHT-OF-WAY SHALL BE APPROVED BY THE DISTRICT. NO DEEP ROOTED TREES SHALL BE PLANTED IN S.S.J.I.D. EASEMENT.
15. S.S.J.I.D. WILL BE NOTIFIED 48 HOURS IN ADVANCE OF ANY GRADING OR EXCAVATION WORK WITHIN DISTRICT EASEMENT.

16. CONTRACTOR SHALL ADHERE TO ALL APPLICABLE STANDARDS SPECIFIED WITHIN THE LATEST REVISION OF THE DISTRICT'S STANDARD PLANS AND SPECIFICATIONS, WHICH CAN BE OBTAINED FROM THE ENGINEERING DEPARTMENT AT S.S.J.I.D. LOCATED AT 11011 E. HWY. 120, MANTECA, CA 95336. CONTRACTOR SHALL IMMEDIATELY CONTACT THE DISTRICT'S ENGINEERING DEPARTMENT TO VERIFY ANY PERCEIVED DISCREPANCIES BETWEEN THESE PLANS AND DISTRICT SPECIFICATIONS.
17. S.S.J.I.D. HAS GPS MONUMENTS ON MANY OF ITS EXISTING STRUCTURES. PRIOR TO DEMOLITION OF ANY BOX OR STRUCTURE, CONTRACTOR SHALL OBTAIN SURVEY COORDINATES FOR ALL EXISTING GPS SURVEY MONUMENTS. UPON INSTALLATION OF THE NEW PIPELINE, NEW MONUMENTS SHALL BE SET AT EACH NEW MANHOLE. THE NEW COORDINATE DATA SHALL THEN BE PROVIDED TO THE S.S.J.I.D. WITH THE AS-BUILT DRAWINGS.
18. AS-BUILT (RECORD DRAWINGS) MUST BE SUBMITTED TO S.S.J.I.D. IN MYLAR AND ELECTRONIC FORMAT PRIOR TO ACCEPTANCE OF WORK SHOWN ON PLANS.
19. PRIOR TO THE START OF CONSTRUCTION ON DISTRICT FACILITIES, DISTRICT SHALL BE PROVIDED WITH ALL REQUIRED BONDS AND INSURANCE CERTIFICATES IN ACCORDANCE WITH THE PROVISIONS OF THE DEVELOPER'S AGREEMENT AND CONSTRUCTION PERMIT ISSUED BY DISTRICT. ADDITIONAL CONTRACTORS SHALL OBTAIN A CONSTRUCTION PERMIT AS REQUIRED PRIOR TO START OF CONSTRUCTION.
20. CONTRACTOR SHALL INSTALL #14 SOLID AND COATED (TW, THHN, THWN, OR MTW) WIRE ON TOP OF MAIN PIPE AND TO APPURTENANCES PER DETAIL ON SHEET 2.

GENERAL NOTES:

1. ALL NEW IMPROVEMENTS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THESE PLANS AND SPECIFICATIONS, THE LATEST EDITION OF SOUTH SAN JOAQUIN IRRIGATION DISTRICT STANDARD SPECIFICATIONS AND PLANS, AND THE 2010 STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.
2. THE INTENT IS THAT THESE PLANS REQUIRE ALL LABOR AND MATERIALS (EXCEPT AS SPECIFIED IN THE SPECIFICATIONS) NECESSARY AND PROPER FOR THE WORK CONTEMPLATED AND THAT THE WORK BE COMPLETED IN ACCORDANCE WITH THEIR TRUE INTENT AND PURPOSE. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY REGARDING ANY DISCREPANCIES AND AMBIGUITIES WHICH MAY EXIST IN THE PLANS OR SPECIFICATIONS. IF THE PLANS DESCRIBE PORTIONS OF THE WORK IN GENERAL TERMS BUT NOT IN COMPLETE DETAIL, IT IS UNDERSTOOD THAT ONLY THE BEST GENERAL PRACTICE IS TO PREVAIL AND THAT ONLY APPROVED MATERIALS AND WORKMANSHIP OF THE FIRST QUALITY ARE TO BE USED.
3. THE TYPES, LOCATION, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS WERE OBTAINED BY THE DESIGN ENGINEER FROM "OUTSIDE SOURCES," BELIEVED TO BE RELIABLE. HOWEVER, THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATION, AND DEPTHS OF SUCH UNDERGROUND UTILITIES.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE PHYSICAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES AND SHALL CONTACT THE RESPECTIVE UTILITY COMPANIES PRIOR TO COMMENCEMENT OF WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND PRESERVATION OF ALL SUCH FACILITIES IN THE AREA OF CONSTRUCTION, AND SHALL NOTIFY UTILITY COMPANIES FORTY-EIGHT HOURS IN ADVANCE OF ANY CONSTRUCTION (UNDERGROUND SERVICE ALERT 811/800-227-2600). UTILITY COMPANY(S) SHALL BE RESPONSIBLE TO ADJUST TO PROPOSED PAVEMENT OR CONCRETE GRADE ALL SURFACE FACILITIES, UNLESS OTHERWISE NOTED IN THESE PLANS.
5. THE CONTRACTOR'S ATTENTION IS DIRECTED TO SECTION 1540 (A)(1) OF THE CONSTRUCTION SAFETY ORDERS (TITLE 8 CALIFORNIA ADMINISTRATION CODE SECTION 1540), ISSUED BY THE OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD PURSUANT TO THE CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ACT OF 1973, AS AMENDED, WHICH STATES: PRIOR TO OPENING AN EXCAVATION, EFFORT SHALL BE MADE TO DETERMINE WHETHER UNDERGROUND INSTALLATION: I.E., SEWER, WATER, FUEL, ELECTRIC LINES, ETC., WILL BE ENCOUNTERED AND, IF SO, WHERE SUCH UNDERGROUND INSTALLATIONS ARE LOCATED. WHEN THE EXCAVATION APPROACHES THE APPROXIMATE LOCATION OF SUCH AN INSTALLATION, THE EXACT LOCATION SHALL BE DETERMINED BY CAREFUL PROBING OR AND DIGGING; AND WHEN IT IS UNCOVERED, ADEQUATE PROTECTION SHALL BE PROVIDED FOR THE EXISTING INSTALLATION. ALL KNOWN OWNERS OF UNDERGROUND FACILITIES IN THE AREA CONCERNED SHALL BE ADVISED OF PROPOSED WORK AT LEAST 48 HOURS PRIOR TO THE START OF ACTUAL EXCAVATION.
6. THE CONTRACTOR SHALL PROVIDE SHORING, BRACING, SLOPING OR PROVISIONS TO PROTECT WORKERS FOR ALL AREAS TO BE EXCAVATED TO A DEPTH OF FIVE FEET OR MORE. SAID PROTECTION TO BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF LOCAL, STATE, AND FEDERAL REGULATIONS (CAL-OSHA, OSHA).
7. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF THE REMOVAL AND/OR RELOCATION OF ALL EXISTING UTILITIES WITH RESPECTIVE UTILITY COMPANIES. CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE OF ANY CONFLICTS BETWEEN EXISTING UTILITIES AND PROPOSED IMPROVEMENTS.
8. FINAL PAVEMENT WORK SHALL NOT OCCUR WITHIN THE ROAD RIGHT-OF-WAY PRIOR TO COMPLETION OF UTILITY RELOCATION WITHOUT SPECIFIC APPROVAL OF THE OWNER'S REPRESENTATIVE.
9. ASBESTOS CEMENT MATERIALS SHALL NOT BE USED IN THE CONSTRUCTION OF ANY FACILITIES WITHIN THIS PROJECT.
10. 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 APPROVAL AND ACCEPTANCE BY SSJID.

11. THE CONTRACTOR SHALL EXERCISE DUE CAUTION AND CAREFULLY PRESERVE BENCHMARKS, REFERENCE POINTS, PROPERTY CORNERS, AND ALL SURVEY STAKES, AND SHALL BEAR ALL EXPENSE FOR REPLACEMENT AND/OR ERRORS CAUSED BY THEIR UNNECESSARY LOSS OR DISTURBANCE.
12. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER PRIOR TO FINAL ACCEPTANCE AS-BUILT DRAWINGS OF ALL IMPROVEMENTS REPRESENTED BY THE PROJECT PLANS AND SPECIFICATIONS.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT WRITTEN AUTHORIZATION FROM THE DISTRICT'S REPRESENTATIVE.
14. WHERE EXISTING FENCES ARE TO BE REMOVED FOR CONSTRUCTION PURPOSES CONTRACTOR SHALL REMOVE THE FENCING. WHERE THE EXISTING FENCE IS USED FOR CONTAINMENT OF LIVESTOCK CONTRACTOR SHALL ERECT TEMPORARY FENCING (NOT SHOWN ON PLANS) FOR THE DURATION OF THE PROJECT AS DIRECTED BY THE DISTRICT REPRESENTATIVE.
15. CONTRACTOR SHALL REFERENCE EXISTING MONUMENTS AND/OR PROPERTY CORNERS PRIOR TO COMMENCEMENT OF WORK.
16. WHERE EXISTING FENCES ARE TO BE REMOVED FOR CONSTRUCTION PURPOSES CONTRACTOR SHALL REMOVE THE FENCING. WHERE THE EXISTING FENCE IS USED FOR PROPERTY SECURITY AND/OR CONTAINMENT OF ANIMALS CONTRACTOR SHALL ERECT TEMPORARY FENCING (NOT SHOWN ON PLANS) FOR THE DURATION OF THE PROJECT AS DIRECTED BY THE DISTRICT REPRESENTATIVE.
17. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS AND LICENSES REQUIRED FOR THE CONSTRUCTION AND COMPLETION OF PROJECT.
18. ALL WORK IN PUBLIC RIGHT-OF-WAY IS SUBJECT TO THE APPROVAL AND ACCEPTANCE OF THE GOVERNING JURISDICTION.
19. ALL PROPERTY LINES AND EASEMENTS SHOWN ON THESE PLANS ARE BASED ON AVAILABLE RECORDED DOCUMENTS.
20. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF THE REMOVAL AND/OR RELOCATION OF ALL EXISTING UTILITIES AND INSTALLATION OF NEW SERVICES, METERS, TRANSFORMERS, ETC. WITH RESPECTIVE UTILITY COMPANIES.
21. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE STATE WATER RESOURCES CONTROL BOARD (SWRCB) ORDER NO. 2009-0009-DWQ. THE CONTRACTOR SHALL IMPLEMENT AND MONITOR A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IN ACCORDANCE WITH THE SWRCB REGULATIONS.

CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL LAYOUT IMPROVEMENTS FROM THE DIMENSIONS SHOWN ON THESE PLANS. ANY CLARIFICATION ON CONFLICTS, DISCREPANCIES OR AMBIGUITIES SHOULD BE DIRECTED TO THE DISTRICT'S REPRESENTATIVE PRIOR TO THE CONSTRUCTION OF THE IMPROVEMENTS
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MATCHING EXISTING SURROUNDING LANDSCAPE AND OTHER IMPROVEMENTS WITH A SMOOTH AND UNIFORM TRANSITION IN PAVING, CURBS, GUTTERS, SIDEWALKS, GRADES, ETC., AND TO AVOID ANY ABRUPT OR APPARENT CHANGES IN CROSS SLOPES, LOW SPOTS OR HAZARDOUS CONDITIONS.
3. WHERE PAVEMENT IS TO BE EXTENDED OR REMOVED, EXISTING PAVEMENT SHALL BE SAW-CUT TO A NEAT, CLEAN LINE IMMEDIATELY PRIOR TO THE PLACEMENT OF NEW ASPHALT CONCRETE.
4. CONSTRUCTION STAKING SHALL BE PROVIDED BY MCR ENGINEERING FOR THE DISTRICT. THE CONTRACTOR SHALL NOTIFY THE ENGINEER SEVENTY-TWO (72) HOURS IN ADVANCE OF THIS NEED FOR STAKING. ANY STAKING REQUESTED BY THE CONTRACTOR OR HIS SUBCONTRACTORS THAT IS ABOVE AND BEYOND THE SURVEYING SPECIFIED IN THE CONSTRUCTION DOCUMENTS, WILL BE SUBJECT TO AN ADDITIONAL CHARGE TO THE CONTRACTOR.
5. ALL NEW CONCRETE FLAT WORK WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE DRILLED AND DOWELED AND/OR KEVED INTO EXISTING FLAT WORK IN ACCORDANCE WITH THE GOVERNING AGENCY STANDARD PLANS AND SPECIFICATIONS.
6. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY SIGNS FOR ALL REGULATORY TRAFFIC SIGNS REMOVED DURING THE CONSTRUCTION.
7. CONTRACTOR SHALL NOT DISTURB OR DISRUPT EXISTING TRAFFIC SIGNAL IMPROVEMENTS/EQUIPMENT INCLUDING, BUT NOT LIMITED TO POLES, PEDESTALS, DETECTOR LOOPS, PULL BOXES AND FOUNDATIONS.
8. DURING CONSTRUCTION ALL CATCH BASINS AND DROP INLETS SHALL BE PROTECTED USING STORM DRAIN INLET FILTER BAGS AND EITHER A STORM DRAIN INLET FILTER OR INLET SEDIMENT CONTROL.
9. IT IS PROHIBITED TO DISCHARGE ANYTHING EXCEPT CLEAN WATER INTO THE IRRIGATION SYSTEM. ALL DISCHARGES ARE SUBJECT TO APPROVAL OF THE DISTRICT PRIOR TO DISCHARGE.
10. CONTRACTOR SHALL RE-GRADE DISTURBED AREAS TO PRE-CONSTRUCTION CONDITION OR AS SPECIFIED.
11. CONTRACTOR SHALL CONDUCT WORK WITHIN SSJID EASEMENTS. ADDITIONAL CONSTRUCTION EASEMENTS WILL NOT BE PROVIDED BY THE DISTRICT.
12. ALL R.G.R.C.P. LATERAL MAIN AND PRIVATE LATERAL PIPE MATERIAL, INCLUDING PREFABRICATED ANGLED JOINTS, SHALL BE FURNISHED AND DELIVERED TO THE SITE BY SSJID. ANY ADDITIONAL PIPING REQUIRED FOR COMPLETION OF THE PROJECT SHALL BE COORDINATED WITH THE DISTRICT. CONTRACTOR MAY BE REQUIRED TO TRANSPORT PIPE MATERIAL FROM THE LOCATION IT WAS UNLOADED TO THE LOCATION IT IS TO BE INSTALLED. VENT PIPE MATERIAL SHALL BE SUPPLIED BY THE CONTRACTOR.

13. VALVES IDENTIFIED AS "DISTRICT VALVE" SHALL HAVE SSID STAMPED WET SET IN TOP OF CONCRETE STRUCTURE. CONTRACTOR SHALL COORDINATE WITH SSID STAFF FOR USING DISTRICT STAMP.
14. ALL CLEARING, INCLUDING BUT NOT LIMITED TO TREE REMOVAL, WITHIN THE SSJID RIGHT-OF-WAY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
15. CONTRACTOR SHALL COORDINATE WITH FARMERS AND LAND OWNERS TO MINIMIZE INCONVENIENCE DURING CROP HARVEST AND WINTER MAINTENANCE WORK.

POLLUTION AND DUST CONTROL:

1. THE CONTRACTOR SHALL KEEP THE WORK SITE FREE AND CLEAR OF RUBBISH AND DEBRIS.
2. THE CONTRACTOR SHALL EXERCISE CARE TO PRESERVE AND PROTECT NATURAL HABITAT ADJACENT TO THE PROJECT SITE.
3. THE CONTRACTOR SHALL NOT DISCHARGE SMOKE, DUST, OR ANY OTHER AIR CONTAMINANTS INTO THE ATMOSPHERE IN SUCH A QUANTITY AS WILL VIOLATE THE REGULATIONS OF ANY LEGALLY CONSTITUTED AUTHORITY.
4. THE CONTRACTOR SHALL KEEP ALL AREAS GENERATING DUST WITHIN THE LIMITS OF THE PROJECT WELL WATERED DURING THE TERM OF THIS CONTRACT. THIS INCLUDES BUT IS NOT LIMITED TO ACCESS RAMPS, THE HAUL ROADS, THE EMBANKMENT FILL AREA, AND ANY OTHER AREAS THAT MAY GENERATE DUST AS A RESULT OF CONTRACTOR'S OPERATIONS. THE CONTRACTOR SHALL PROVIDE DUST CONTROL MEASURES DURING EVENINGS, WEEKENDS, AND HOLIDAYS WHEN REQUESTED BY THE DISTRICT AT NO ADDITIONAL COST TO THE DISTRICT.
5. THE CONTRACTOR(S) SHALL KEEP ALL PUBLIC ROADWAYS ADJACENT TO THE PROJECT SITE FREE AND CLEAR OF MUD AND SILT DURING THE TERM OF THIS CONTRACT. THIS INCLUDES MUD CAUSED BY RAIN OR BY THE CONTRACTOR(S) WATERING PROCEDURES FOR DUST CONTROL.
6. THROUGHOUT ALL PHASES OF CONSTRUCTION, INCLUDING SUSPENSION OF WORK, AND UNTIL FINAL ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL KEEP THE PREMISES OCCUPIED IN A CLEAN AND ORDERLY CONDITION, DISPOSING OF REFUSE AND LITTER IN A MANNER SATISFACTORY TO THE DISTRICT.



SOUTH SAN JOAQUIN IRRIGATION DISTRICT

WARNING WATERLINE VICINITY



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No Digging or Burning within 40' of Marker Alignment

Call SSJID at: (209) 249-4600 For Additional Information

WATERLINE MARKER WARNING LABEL:

MARKER TO PLACE IN ACCORDANCE TO SSJID STANDARDS & SPECIFICATIONS. REFER TO PLANS FOR LOCATIONS:

1. MARKER SHALL BE ANCHORED BY ANCBARU METAL ANCHOR DISTRIBUTED BY BERNTSEN INTERNATIONAL OR APPROVED EQUAL.
2. MARKERS SHALL BE CARBONITE TUFFLEX MARKERS (OR EQUIVALENT), BLUE IN COLOR AND PLACED AT ALL CHANGES IN ALIGNMENT WHERE ABOVE GROUND STRUCTURES ARE NOT PRESENT.
3. MARKERS SHALL BE INSTALLED DIRECTLY ABOVE THE BURIED PIPELINE EXCEPT WHEN THE LOCATION OF THE MARKER WOULD IMPEDE OR RESTRICT.



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REVISIONS		DATE	APPROVED
NO.	DESCRIPTIONS		
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JOB NO.	15-025
DATE	SEPTEMBER 2016
SCALE	AS SHOWN
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FILE	J:\15-025 LATERAL A178

STANDARD SPECIFICATIONS

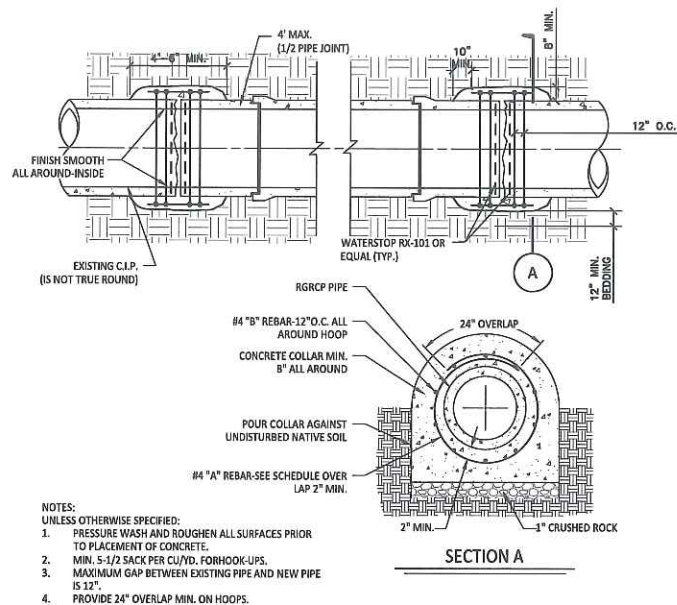
SSJID LATERAL A178

ESCALON, CALIFORNIA

SHEET

2

OF 10 SHEETS

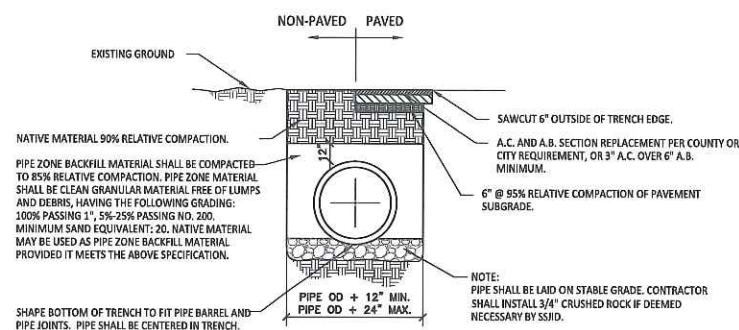


- NOTES:
UNLESS OTHERWISE SPECIFIED:
1. PRESSURE WASH AND ROUGHEN ALL SURFACES PRIOR TO PLACEMENT OF CONCRETE.
2. MIN. 5-1/2 SACK PER CU/YD. FOR HOOPS.
3. MAXIMUM GAP BETWEEN EXISTING PIPE AND NEW PIPE IS 1/2\"/>

REINFORCING BAR SCHEDULE					
BAR	SIZE	DESCRIPTION			
"A"	#4	30" PIPE	36" PIPE	42" PIPE	48" PIPE
"B"	#4	43" DIA.	50" DIA.	57" DIA.	63" DIA.
		11 EA.	12 EA.	14 EA.	16 EA.
					20 EA.

NOTE:
ALL "B" BARS TO BE EVENLY SPACED OVER HOOPS

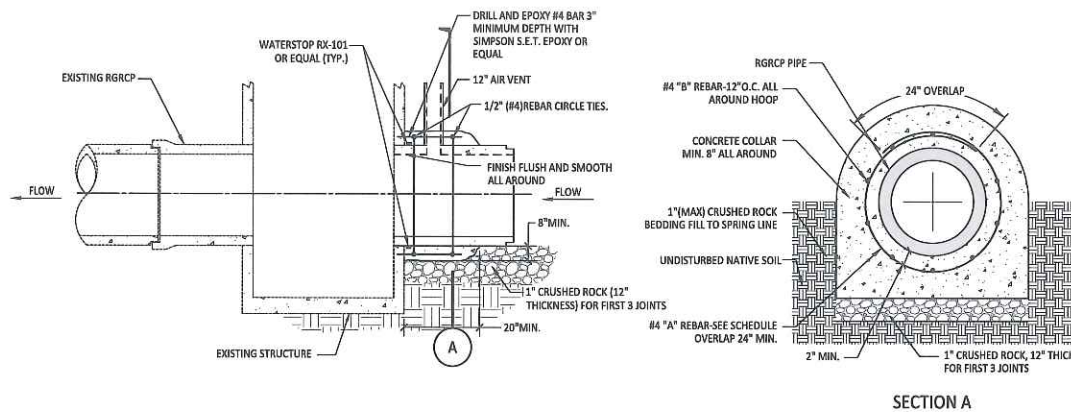
1 CONCRETE COLLAR FOR LARGE DIAMETER PIPE
STA: SEE PLAN SCALE: N.T.S.



2 TYPICAL SSJD TRENCH DETAIL
STA: ALL SCALE: N.T.S.

GENERAL NOTES

- ALL BOXES SHALL BE CONSTRUCTED PER SSJD STANDARDS. ALL PERIMETER WALLS SHALL BE 8" THICK.
- POUR OVER WALLS SHALL BE 8" THICK. SEE SSJD STANDARDS FOR REINFORCING.
- ALL GATE VALVES SHALL BE APPROVED BY SSJD. WATERMAN C-10 GATE VALVES SHALL BE USED UNLESS OTHERWISE SPECIFIED. ALL VALVE STEMS SHALL BE NON-RISING WITH RIGHT-HAND THREAD AT 4 THREADS PER INCH.
- CONSTRUCT POUR OVER WALLS SUCH THAT THE MAXIMUM BOARD LENGTH IS LESS THAN 4' AND NOT SHORTER THAN 2'.
- INSTALL RAILING ON ALL CONCRETE STRUCTURES WHERE TOP OF STRUCTURE IS GREATER THAN 4' ABOVE ADJACENT GROUND. RAILING SHALL BE CONSTRUCTED PER SSJD STANDARD 1.06. STRUCTURE TOP SHALL INCLUDE EXPANDED METAL GRATING PER SSJD REQUIREMENTS. SHOP DRAWINGS SHALL BE APPROVED PRIOR TO CONSTRUCTION.
- INSTALL LADDER ON ALL CONCRETE STRUCTURES WHERE TOP OF STRUCTURE IS GREATER THAN 2' ABOVE ADJACENT GROUND. LADDER SHALL BE CONSTRUCTED PER SSJD STANDARD 1.06.
- INSTALL 12" AIR VENT ON DOWN STREAM SIDE OF BOXES WHERE PIPELINE HAS BEEN REPLACED. 12" VENT SHALL BE PER DETAIL 5, SHEET 3.
- CONTRACTOR SHALL POTHOLE ALL POINT OF CONNECTIONS PRIOR TO ANY PIPE INSTALLATION. THE CONTRACTOR SHALL NOTIFY MCR ENGINEERING 72 HOURS IN ADVANCE OF POTHOLING TO ALLOW A SURVEY CREW TO VERIFY THAT PIPE ELEVATION, SIZE, AND LOCATION MATCH THOSE SHOWN ON THESE PLANS. PIPE LINE CONSTRUCTION SHALL NOT COMMENCE UNTIL ALL CONNECTIONS ARE VERIFIED.

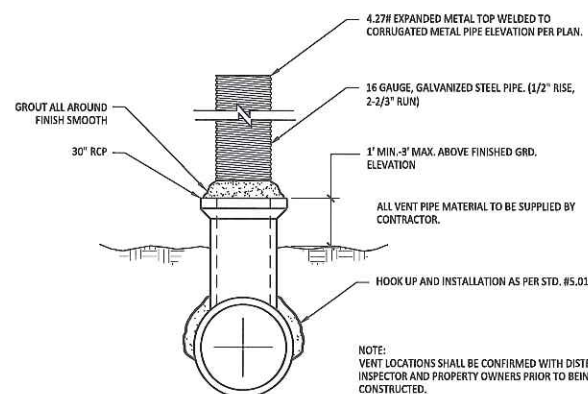


- NOTES:
UNLESS OTHERWISE SPECIFIED:
1. PRESSURE WASH AND ROUGHEN ALL SURFACES PRIOR TO PLACEMENT OF CONCRETE.
2. EXISTING CONCRETE SURFACE SHALL HAVE SIKADUR 32, SIKA ARMATEC 110, OR EQUAL BONDING AGENT APPLIED PER MANUFACTURER'S SPECIFICATIONS PRIOR TO NEW CONCRETE POUR.
3. MIN. 5-1/2 SACK PER CU/YD. FOR PIPE CONNECTION TO EXISTING BOX.
4. PROVIDE 24" OVERLAP MIN. ON HOOPS.

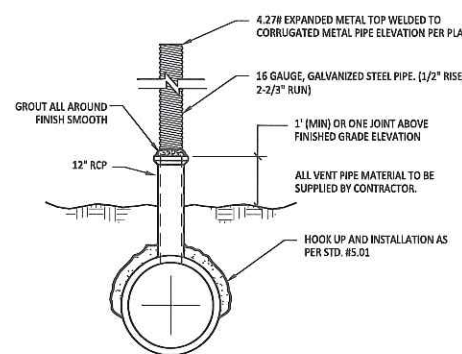
REINFORCING BAR SCHEDULE					
BAR	SIZE	DESCRIPTION			
"A"	#4	30" PIPE	36" PIPE	42" PIPE	48" PIPE
"B"	#4	43" DIA.	50" DIA.	57" DIA.	63" DIA.
		11 EA.	12 EA.	14 EA.	16 EA.
					20 EA.

NOTE:
ALL "B" BARS TO BE EVENLY SPACED OVER HOOPS

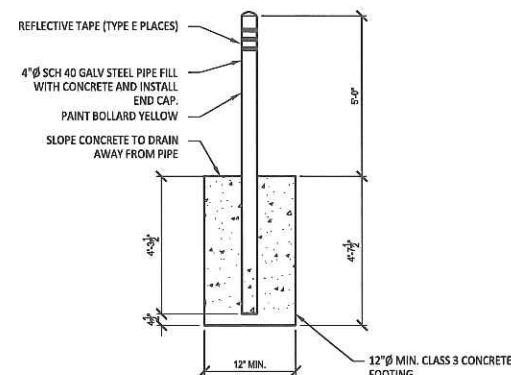
3 PIPE CONNECTION TO EXISTING BOX
STA: SEE PLAN SCALE: N.T.S.



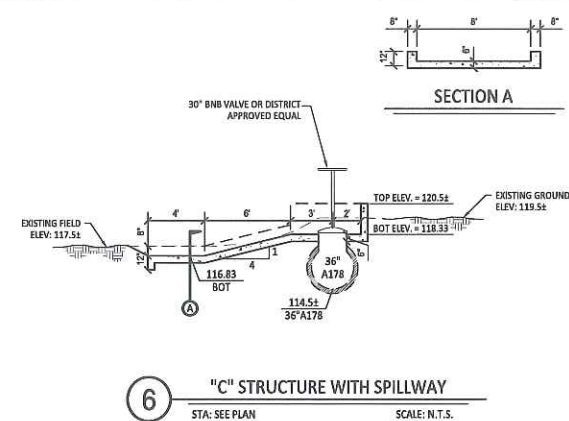
4 30" AIR VENT INSTALLATION
STA: SEE PLAN SCALE: N.T.S.



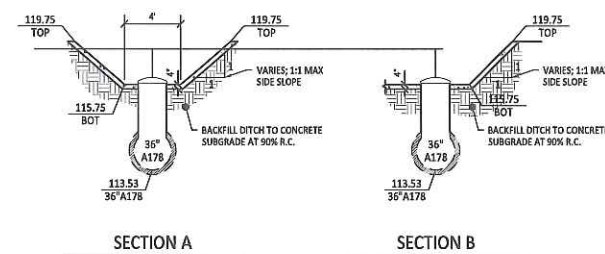
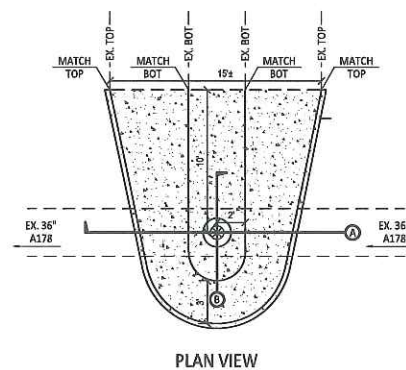
5 12" AIR VENT INSTALLATION
STA: SEE PLAN SCALE: N.T.S.



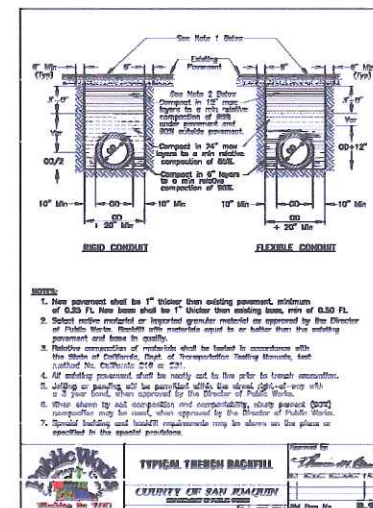
6 PROTECTIVE BOLLARD
STA: TYP. SCALE: N.T.S.



7 "C" STRUCTURE WITH SPILLWAY
STA: SEE PLAN SCALE: N.T.S.



7 MODIFIED "C" STRUCTURE @ EXISTING DITCH
STA: SEE PLAN SCALE: N.T.S.



8 TYPICAL TRENCH BACKFILL
STA: SEE PLAN SCALE: N.T.S.



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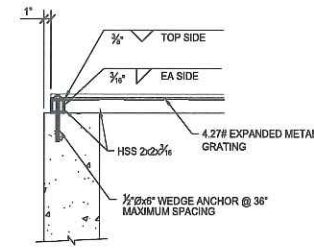
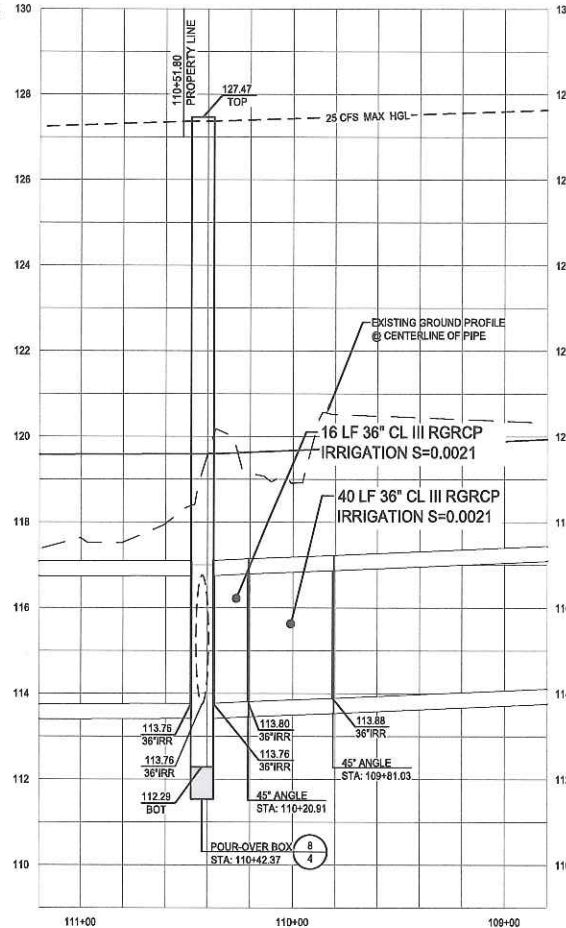
JOB NO.	16-025
DATE	SEPTEMBER 2016
SCALE	AS SHOWN
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FILE	J:\16-025 LATERAL A178

CONSTRUCTION DETAILS
SSJD LATERAL A178
ESCALON, CALIFORNIA

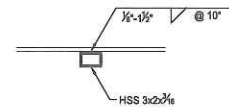
SHEET
3
OF 10 SHEETS

NOTES:

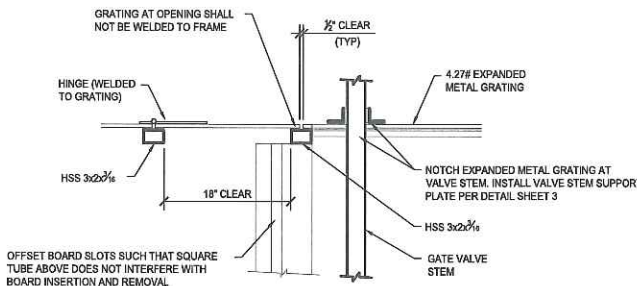
1. ALL EXISTING UTILITIES WERE PLOTTED FROM RECORD INFORMATION AND FIELD TOPOGRAPHY. ACTUAL LOCATIONS MAY VARY AND ADDITIONAL CROSSINGS MAY EXIST IN THE FIELD. IT IS IMPERATIVE THAT "U.S.A." LOCATING SERVICES, LOCATE AND MARK UTILITIES PRIOR TO THE START OF EXCAVATION.
2. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN EXPOSING EXISTING UTILITY CROSSINGS AND SERVICES.
3. ANY DAMAGE TO EXISTING UTILITIES WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.



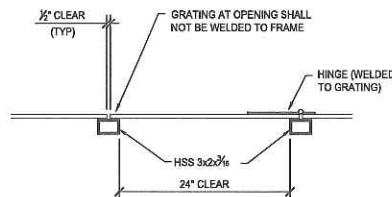
DETAIL A
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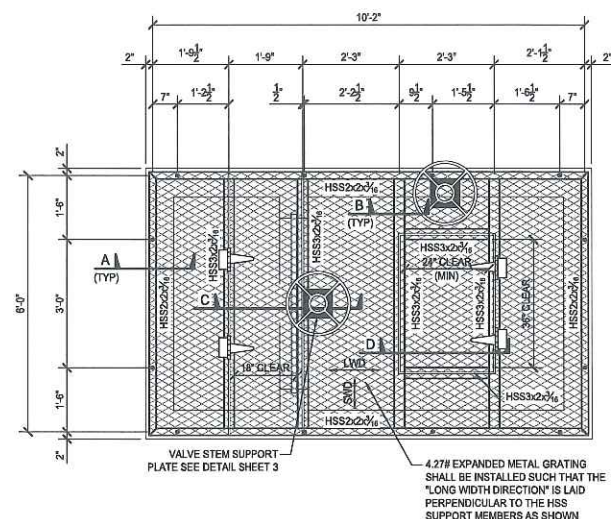
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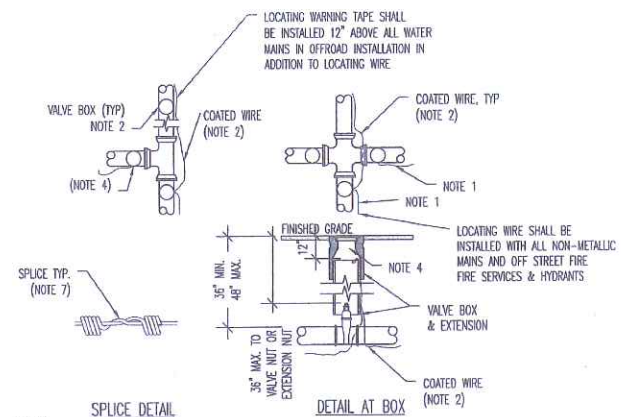
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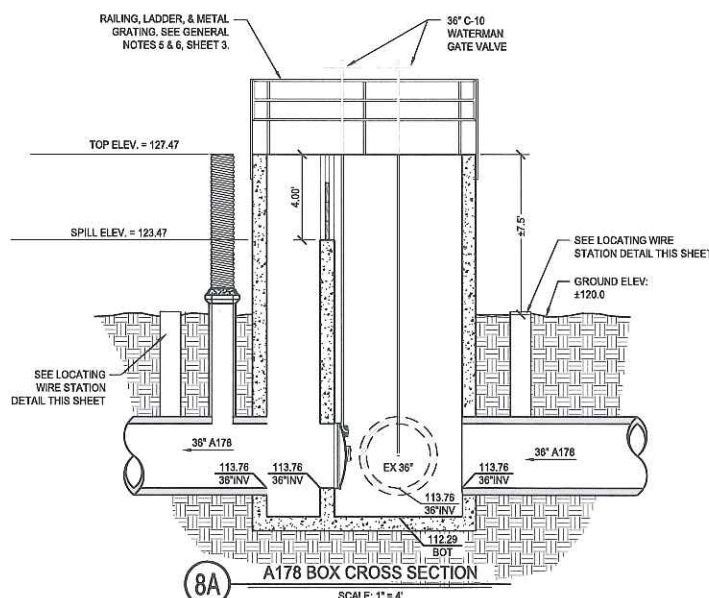
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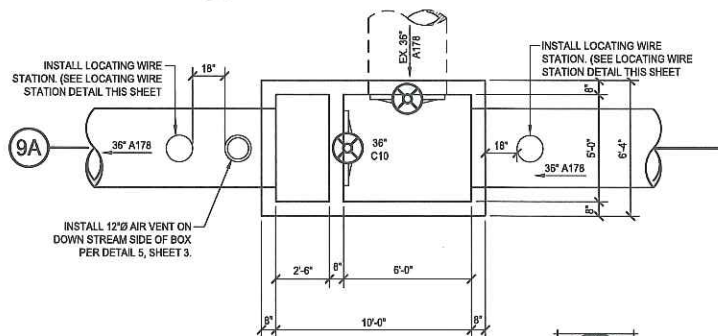
IRRIGATION CONTROL BOX FRAME AND GRATING
STA: 110+42.37 SCALE: 1/2\"/>



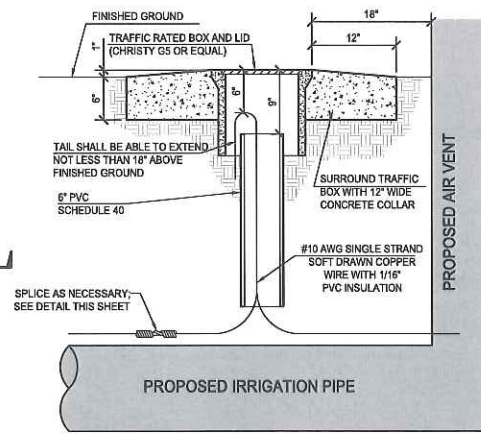
- NOTES:
1. WIRE SHALL BE CONTINUOUS BETWEEN VALVE BOXES EXCEPT WHERE BOXES ARE WITHIN 10 FEET OF PIPE INTERSECTION.
 2. COATED WIRE SHALL NOT TOUCH VALVE OR FITTINGS (MAINTAIN 3 INCHES CLEAR DISTANCE).
 3. LOCATING WIRE SHALL BE PLACED AT TOP OF PIPE.
 4. IF WIRE ENDS AT A VALVE A SINGLE INSULATED WIRE SHALL BE EXTENDED UP TO WITHIN 12 INCHES OF BOX COVER.
 5. ALL VALVES SHALL HAVE LOCATING WIRES.
 6. LOCATING WIRE AND TAPE MATERIALS TO BE APPROVED BY THE DISTRICT.
 7. ALL SPURCE INSTALLATIONS SHALL BE WITHIN THE VALVE BOX.
 8. A LOCATING "TRACE WIRE" IS REQUIRED ON ALL MAINS AND SERVICE LINES. THE TRACE WIRE SHALL BE FIRMLY ATTACHED TO THE TOP CENTER OF THE PIPE AT INTERVALS NOT EXCEEDING (6) FEET. ALL MAIN LINE "TRACE WIRE" SHALL BE INTERCONNECTED TO FORM A GRID. ALL SPICES SHALL BE MECHANICALLY AND ELECTRICALLY SOUND AND MADE WATERPROOF WITH AN APPROVED COMPOUND. INSTALLATION OF THE "TRACE WIRE" SYSTEM SHALL BE INSPECTED AND APPROVED BY THE DISTRICT PRIOR TO BACKFILL. THE "TRACE WIRE" SYSTEM SHALL BE TESTED BY APPROVED TESTING PERSONNEL AFTER THE TRENCHES HAVE BEEN BACKFILLED AND HYDROSTATIC TESTS HAVE BEEN PERFORMED OUT BEFORE ANY PAVEMENT HAS BEEN PLACED.



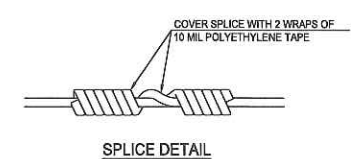
8A A178 BOX CROSS SECTION
SCALE: 1\"/>



8 A178 BOX PLAN VIEW
SCALE: 1\"/>



VALVE DETAIL



SPURCE DETAIL

- NOTES:
1. WIRE SHALL BE CONTINUOUS BETWEEN STATIONS EXCEPT AS NOTED.
 2. LOCATING WIRE SHALL BE LAID ON TOP OF THE PIPE AND SHALL BE TAPED TO IT AT 10' INTERVALS. TAPE SHALL BE 10 MIL. PMH AND ACCESS VENT.
 3. WIRE STATIONS SHALL BE PLACED AT EVERY CONTROL BOX, PMH, AND ACCESS VENT.
 4. CONTRACTOR SHALL CONDUCT A CONTINUITY TEST ON ALL LOCATING WIRE SPICES.
 5. ALL SPICES SHALL BE SOLDERED.



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JOB NO.	15-025
DATE	SEPTEMBER 2016
SCALE	AS SHOWN
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FILE	J:\15-025 LATERAL A178

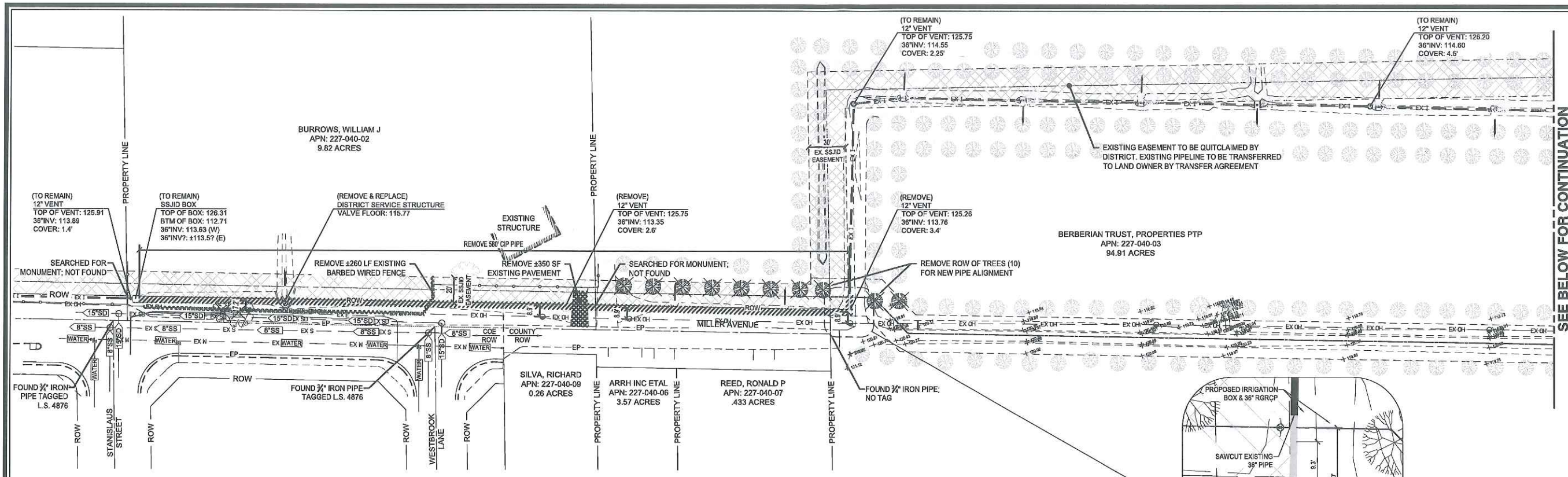
CONTROL BOX DETAILS
SSJID LATERAL A178
CALIFORNIA
ESCALON,

SHEET
4
OF 10 SHEETS

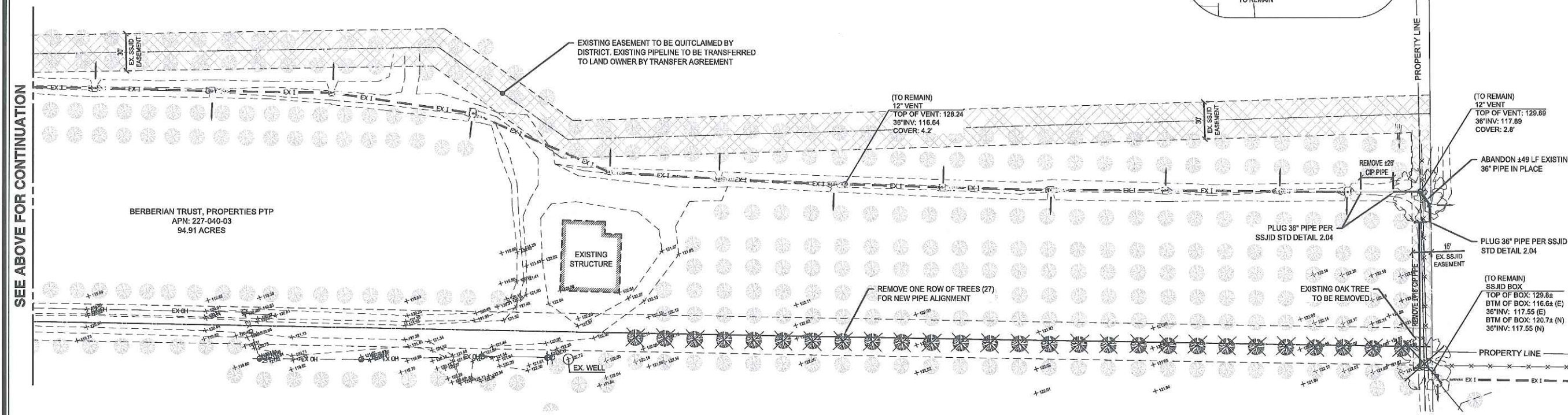
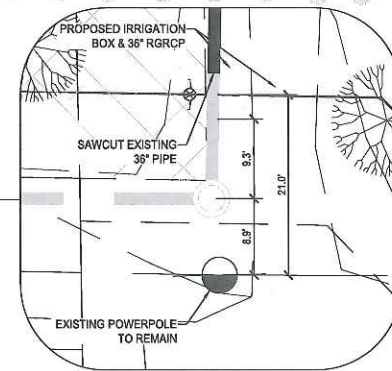
LATERAL A178 CONTROL BOX

STATION 110+42.37





IRRIGATION LATERAL A178
STATION 106+50 - 118+00



IRRIGATION LATERAL A178
STATION 95+00 - 106+50



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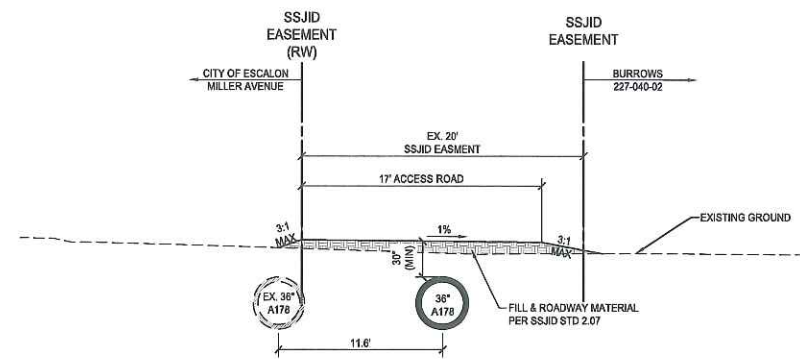


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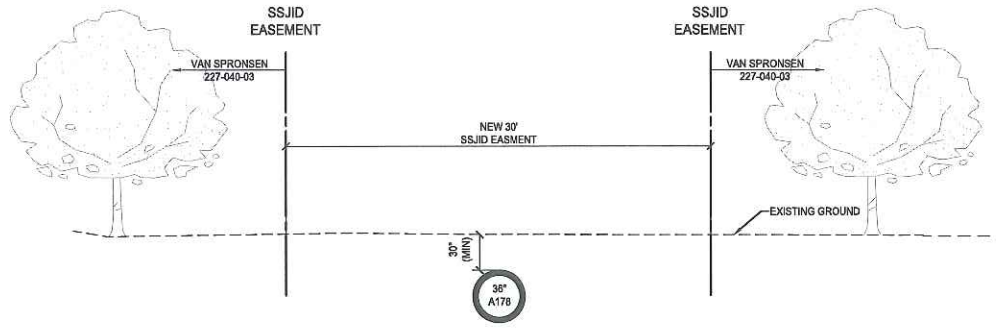
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JOB NO.	15-023
DATE	SEPTEMBER 2016
SCALE	AS SHOWN
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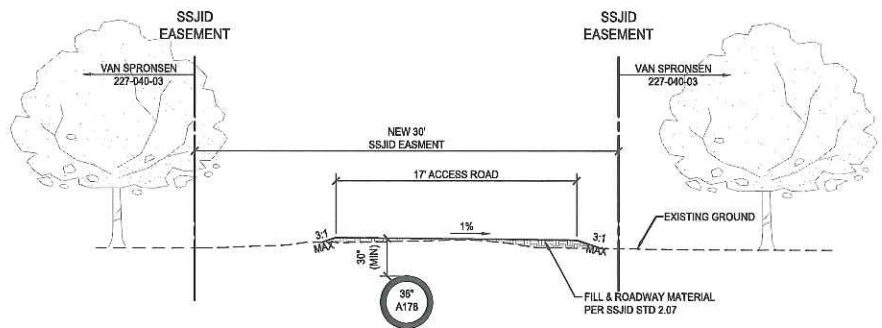
TOPOGRAPHIC & DEMOLITION PLAN
SSJID LATERAL A178
ESCALON, CALIFORNIA



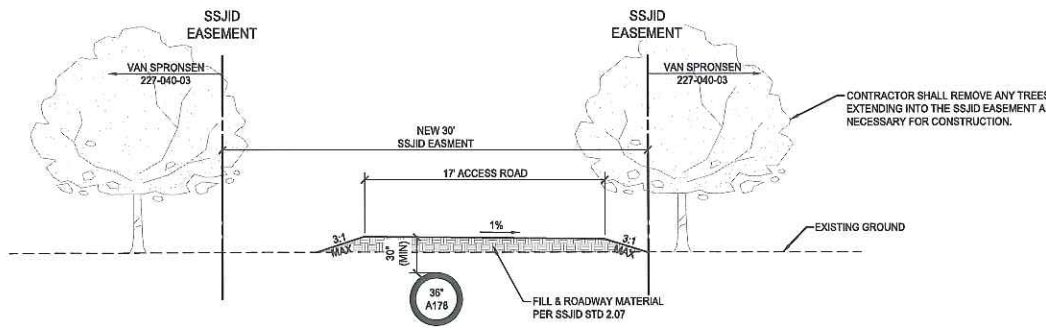
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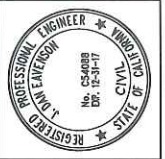
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A178 STA: 106+50 SCALE: 1" = 6'



4 IRRIGATION CROSS SECTION
A178 STA: 94+50 SCALE: 1" = 6'



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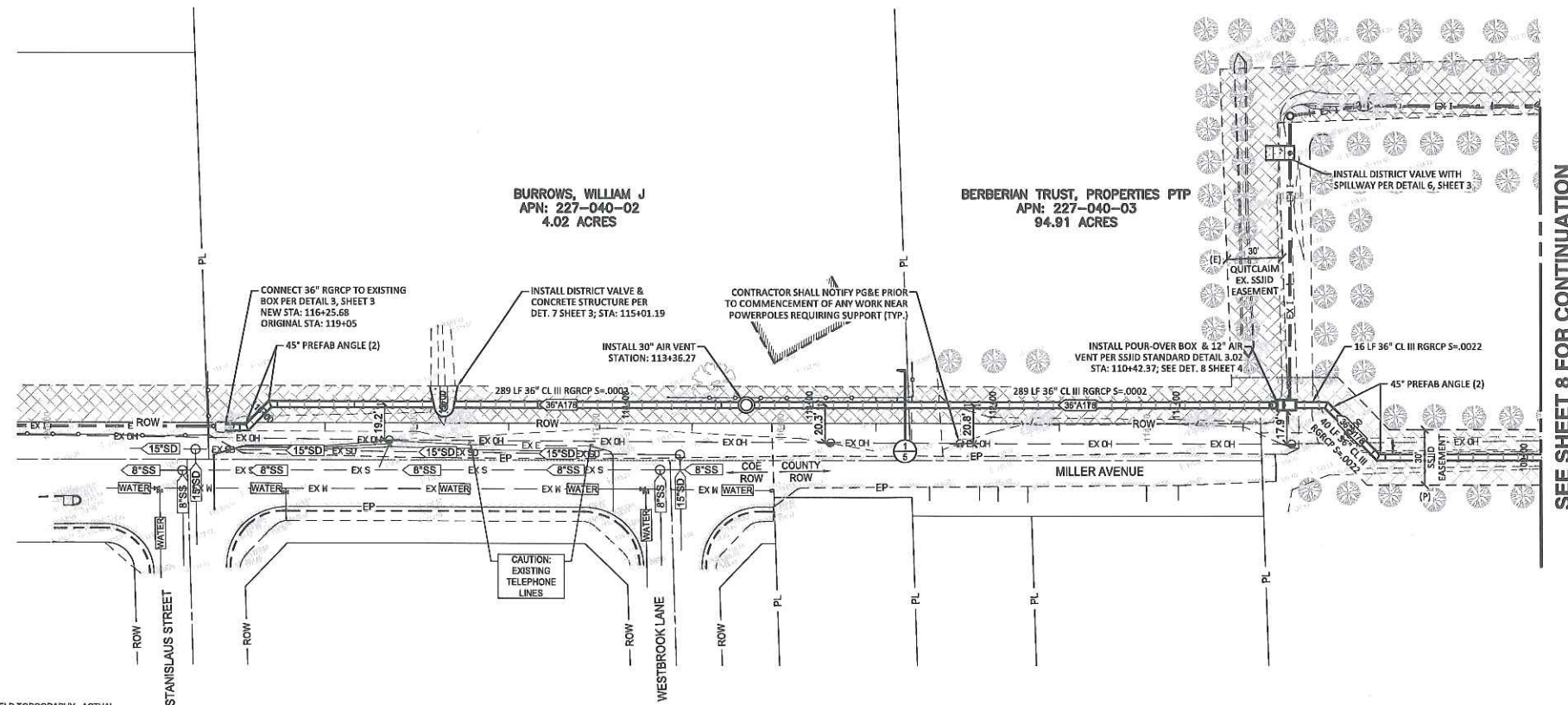
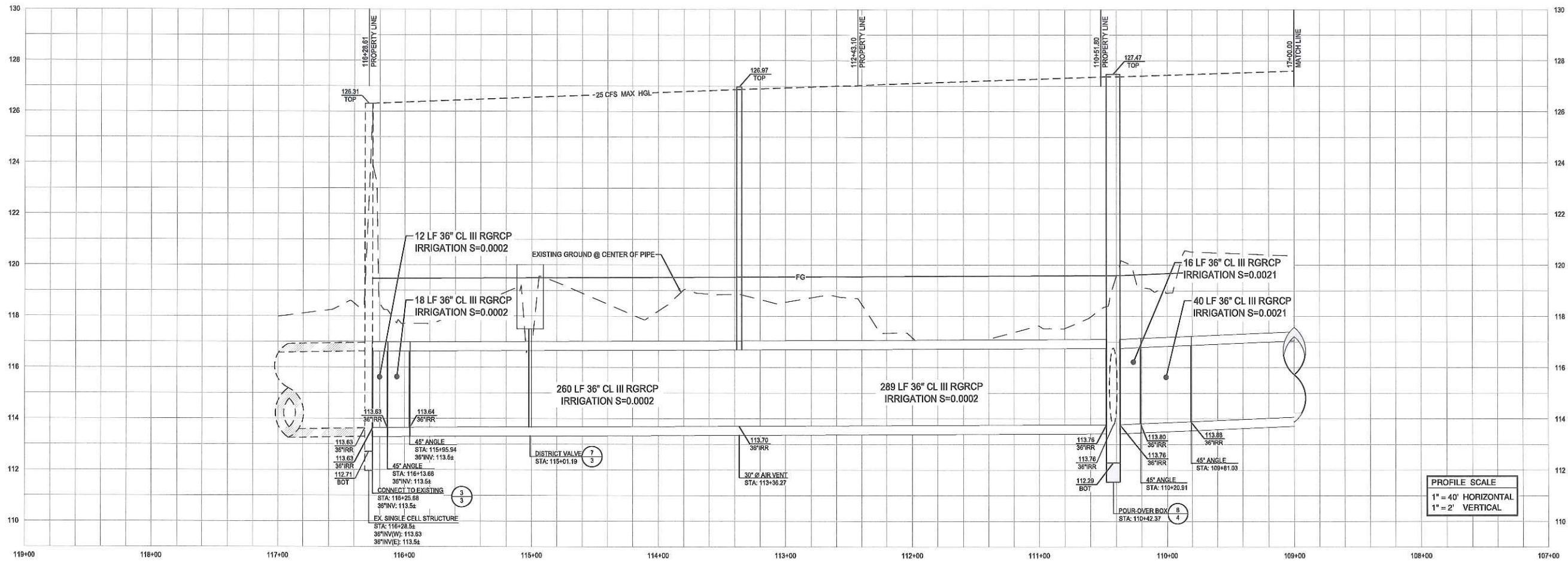
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CK BY DE	FILE: J:\1E-025 LATERAL A178

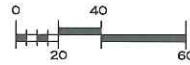
TYPICAL CROSS SECTIONS
SSJID LATERAL A178
ESCALON, CALIFORNIA

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6
OF 10 SHEETS



NOTES:

- ALL EXISTING UTILITIES WERE PLOTTED FROM RECORD INFORMATION AND FIELD TOPOGRAPHY. ACTUAL LOCATIONS MAY VARY AND ADDITIONAL CROSSINGS MAY EXIST IN THE FIELD. IT IS IMPERATIVE THAT "U.S.A." LOCATING SERVICES, LOCATE AND MARK UTILITIES PRIOR TO THE START OF EXCAVATION.
- THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN EXPOSING EXISTING UTILITY CROSSINGS AND SERVICES.
- ANY DAMAGE TO EXISTING UTILITIES WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- FINAL LOCATION OF AIR/ACCESS VENTS SHOULD BE COORDINATED WITH THE LANDOWNER PRIOR TO INSTALLATION



LATERAL A178
STA: 109+00 - END



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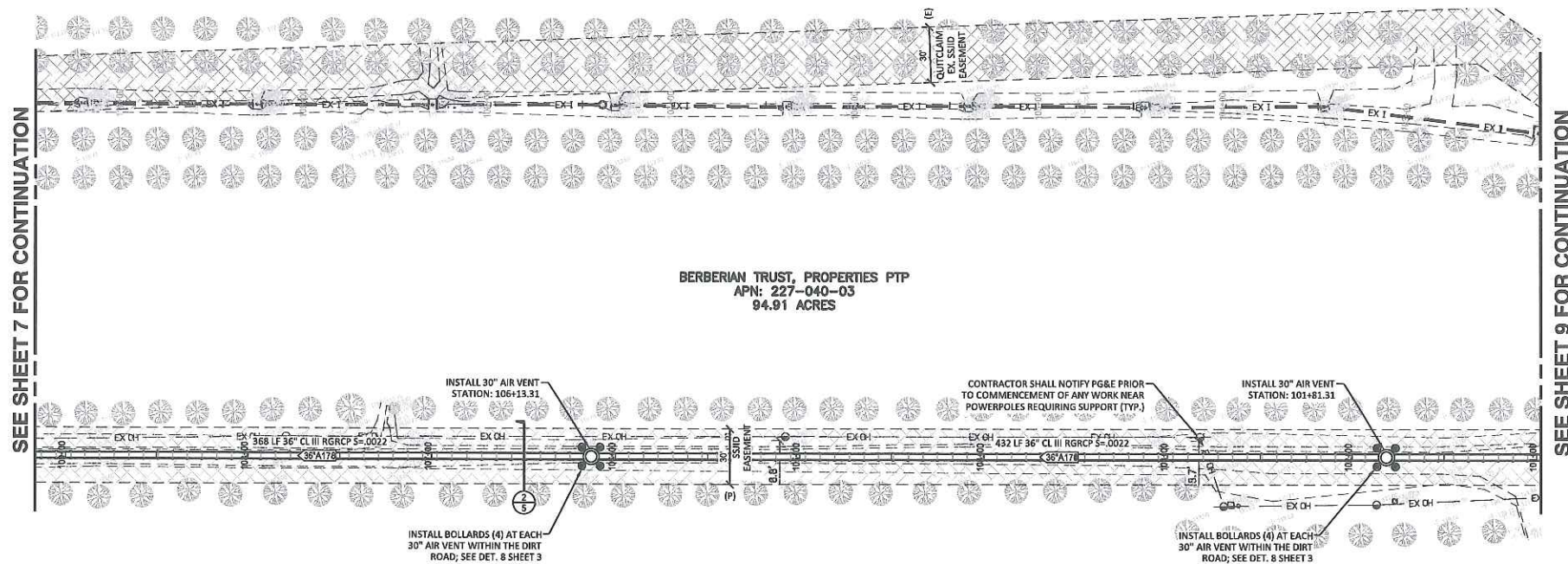
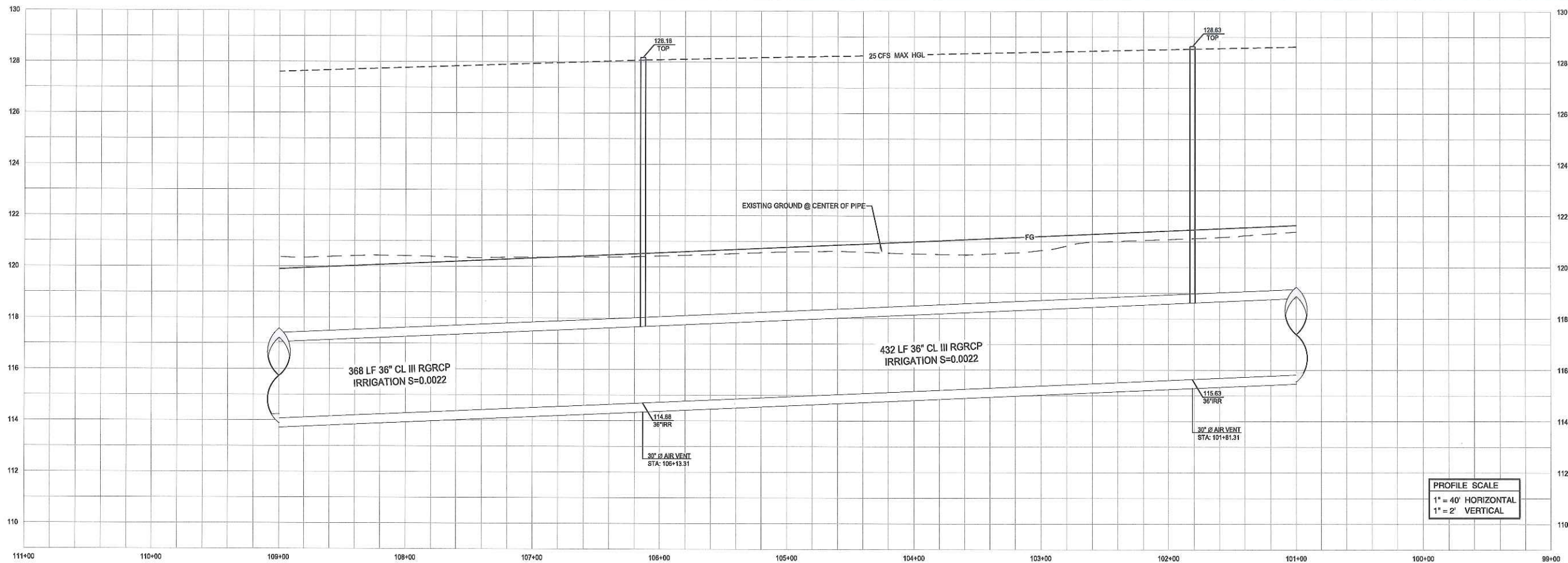
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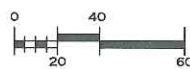
LATERAL A178 PLAN & PROFILE
STA: 109+00 - END
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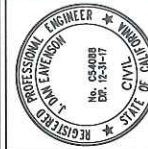


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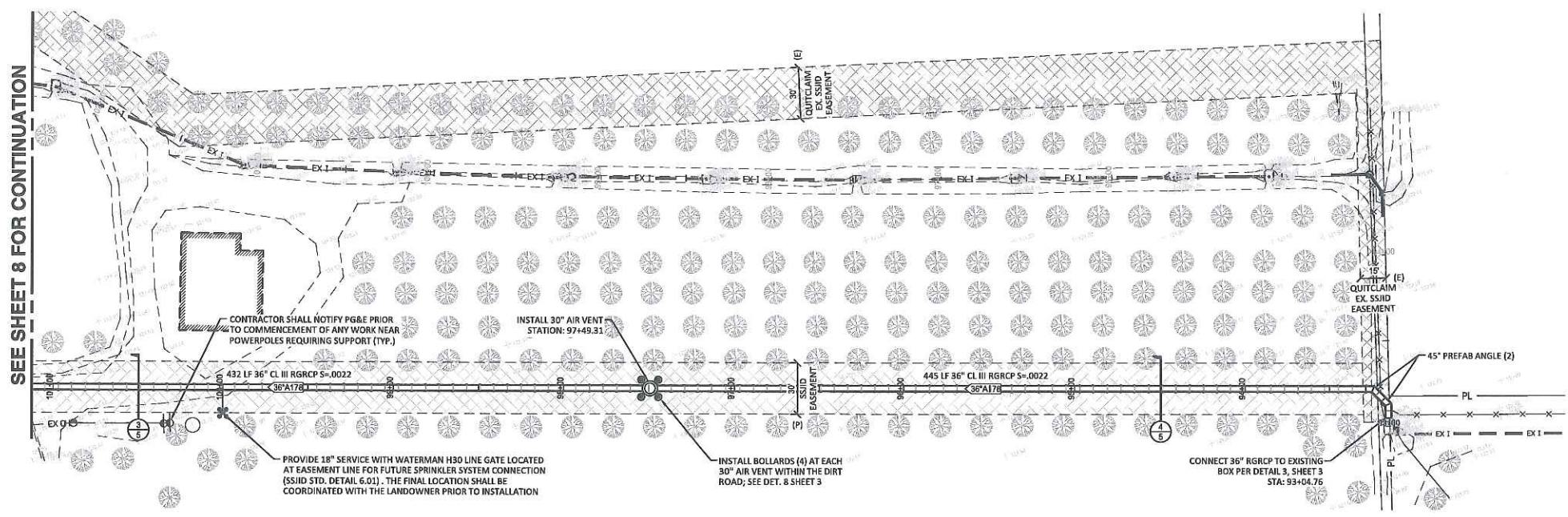
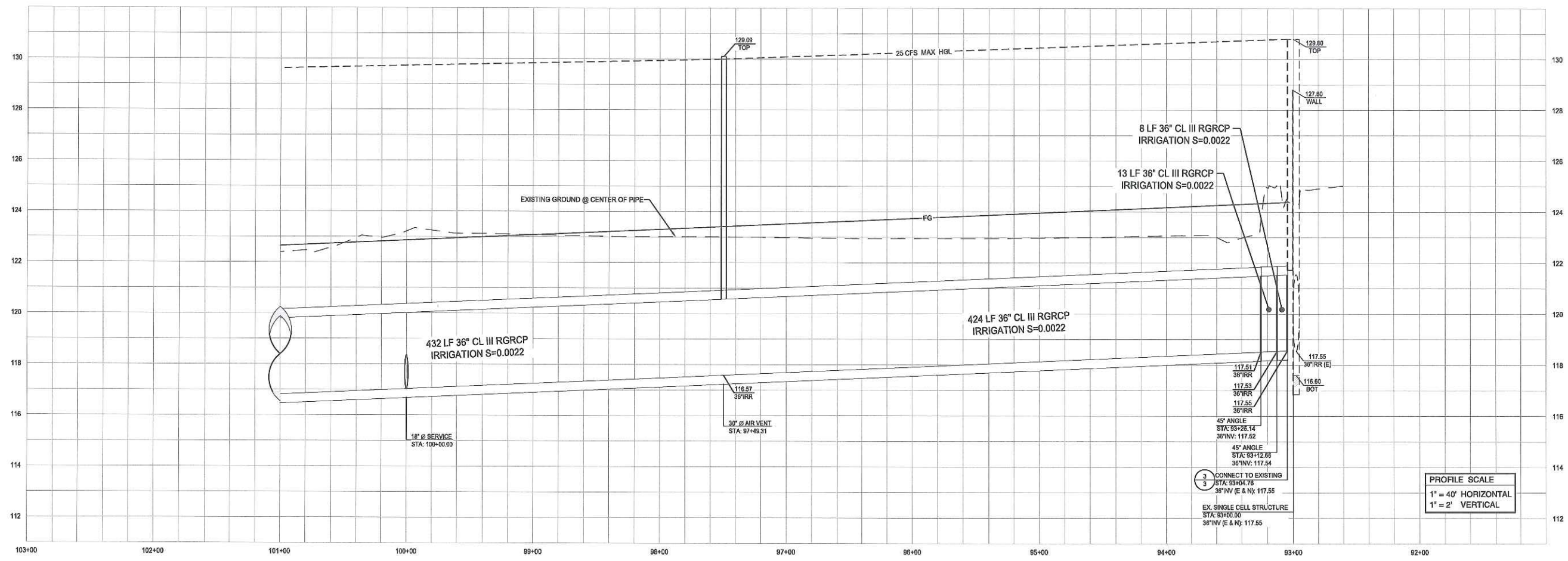
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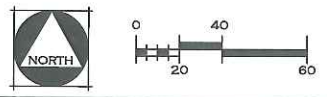
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OF 10 SHEETS



- NOTES:
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 2. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN EXPOSING EXISTING UTILITY CROSSINGS AND SERVICES.
 3. ANY DAMAGE TO EXISTING UTILITIES WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
 4. FINAL LOCATION OF AIRACCESS VENTS SHOULD BE COORDINATED WITH THE LANDOWNER PRIOR TO INSTALLATION

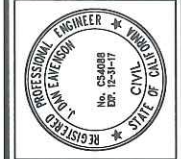


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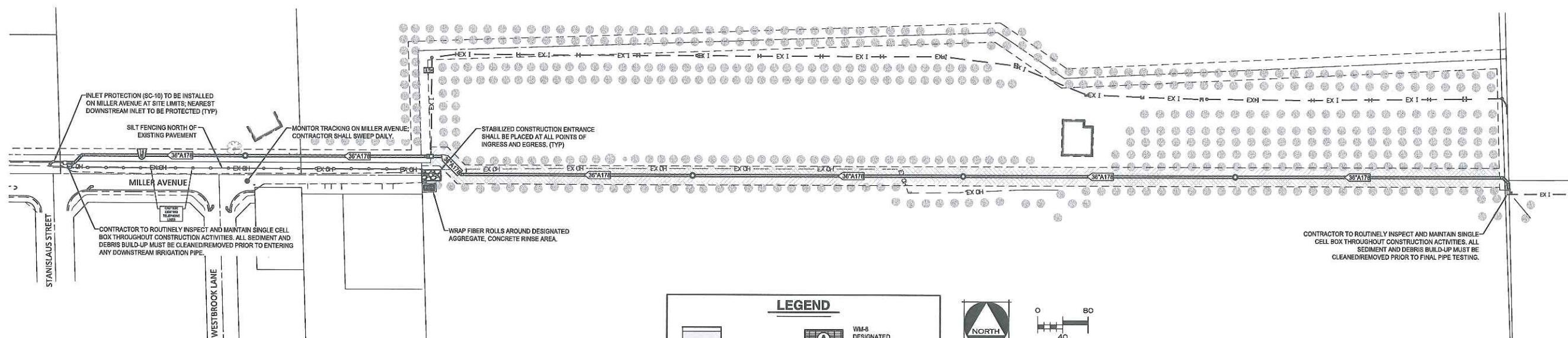
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SHEET
9
OF 10 SHEETS



GENERAL NOTES

1. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE EFFECTIVE FOR THE DURATION OF THE CONSTRUCTION ACTIVITY.
2. NO STORM RUNOFF WATER SHALL BE ALLOWED TO DRAIN DIRECTLY INTO THE EXISTING UNDERGROUND STORM SYSTEM BEFORE THE ON-SITE STORM DRAIN SYSTEM, LANDSCAPE, AND PAVING IS INSTALLED AND COMPLETED.
3. AS SOON AS IS PRACTICAL AFTER THE NEW ON-SITE STORM DRAIN SYSTEM IS INSTALLED, THE CATCH BASINS SHALL BE INSTALLED AND GRAVEL BAGS AND SCREENS SHALL BE PLACED AROUND THE CATCH BASINS, AS SHOWN. THE CONTRACTOR SHALL HAVE AN OPTION TO INSTALL PREFABRICATED STEEL FRAMES WITH FILTER SCREENS OF FILTER FABRIC ATTACHED TO THE FRONT OF THE DRAIN INLET AND EXTEND 12 INCHES (12") ON EACH SIDE OF THE DRAIN INLET OPENING. FRAME SHALL BE APPROVED BY THE CITY ENGINEER AND SHALL FIT THE OPENING WITH LESS THAN ONE-QUARTER INCH (1/4") GAP AT ANY ONE POINT.
4. THE NAME, ADDRESS AND 24-HOUR TELEPHONE NUMBER OF THE PERSON RESPONSIBLE FOR IMPLEMENTATION OF THE EROSION AND SEDIMENTATION CONTROL PLAN SHALL BE PROVIDED.
5. A MINIMUM OF 50' OF DRAIN ROCK, 3'-8" DIAMETER OR LARGER, AT A MINIMUM DEPTH OF 6", SHALL BE INSTALLED AT EACH DRIVEWAY ENTRANCE TO THE SITE. THIS DOES NOT NEED TO BE DONE AT DRIVEWAYS, WHICH WILL BE CLOSED BY IMMOVABLE BARRICADES DURING CONSTRUCTION.
6. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED. CHANGES TO THE EROSION AND SEDIMENTATION CONTROL PLAN SHALL BE MADE TO MEET FIELD CONDITIONS, BUT ONLY WITH THE APPROVAL OF OR AT THE DIRECTION OF THE DISTRICT ENGINEER.
7. DURING THE RAINY SEASON ALL SIDEWALK AND PAVED AREAS SHALL BE KEPT CLEAR OF EARTH MATERIAL AND DEBRIS. THE SITE SHALL BE MAINTAINED SO AS TO MINIMIZE SEDIMENT LADEN RUNOFF FROM ENTERING ANY STORM DRAINAGE SYSTEM.
8. THE EROSION AND SEDIMENTATION CONTROL PLAN COVERS ONLY THE FIRST WINTER DURING WHICH CONSTRUCTION IS TO TAKE PLACE. PLANS ARE TO BE RESUBMITTED PRIOR TO SEPTEMBER 1 OF EACH SUBSEQUENT YEAR UNTIL THE CITY ACCEPTS THE SITE IMPROVEMENTS.
9. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSPECT AND REPAIR ALL EROSION CONTROL FACILITIES AT THE END OF EACH WORK DAY DURING THE RAINY SEASON.
10. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CLEAN OUT SEDIMENT BASINS WHENEVER THE LEVEL OF SEDIMENT REACHES THE SEDIMENT CLEAN OUT LEVEL INDICATED ON THE PLANS.
11. IT IS THE RESPONSIBILITIES OF THE CONTRACTOR TO PROTECT TEMPORARY BORROW AREAS AND/OR STOCKPILES WITH APPROPRIATE EROSION CONTROL MEASURES SATISFACTORY TO THE CITY ENGINEER.
12. THE CLEANING OF PAVED STREETS, DURING AND AT THE COMPLETION OF CONSTRUCTION, SHALL BE PERFORMED WITH MECHANICAL SWEEPERS. THE USE OF WATER TRUCKS TO "WASH DOWN" THE STREET IS PROHIBITED.
13. SEAL OR SHIRT BETWEEN TRAILER & GRADING TO PREVENT EXPOSURE TO DRAIN.
14. THE FOLLOWING PLANS ARE ACCURATE FOR EROSION CONTROL PURPOSES ONLY.
15. THE INFORMATION ON THIS PLAN IS INTENDED TO BE USED AS A GUIDELINE FOR THE CONTRACTOR AND SUBCONTRACTORS TO COMPLY WITH THE REQUIREMENTS OF THE STATE WATER RESOURCES CONTROL BOARD. FIELD CONDITIONS MAY NECESSITATE MODIFICATIONS TO THIS PLAN.
16. ON-SITE FUELING SHALL TAKE PLACE IN DESIGNATED FUELING AREAS THAT ARE CONTAINED AND COMPLY WITH THE GENERAL PERMIT.

CONCRETE WASTE MANAGEMENT NOTES

CONCRETE SLURRY WASTES

1. PCC AND AC WASTE SHALL NOT BE ALLOWED TO ENTER STORM DRAINS OR WATERCOURSES.
2. PCC AND AC WASTE SHALL BE COLLECTED AND DISPOSED OF IN A TEMPORARY CONCRETE WASHOUT FACILITY.
3. A SIGN SHALL BE INSTALLED ADJACENT TO EACH TEMPORARY CONCRETE WASHOUT FACILITY TO INFORM CONCRETE EQUIPMENT OPERATORS TO UTILIZE THE PROPER FACILITIES.
4. DO NOT ALLOW SLURRY RESIDUE FROM WET CORING OR SAW-CUTTING AC OR PCC TO ENTER STORM DRAINS OR RECEIVING WATERS.
5. VACUUM SLURRY RESIDUE AND DISPOSE IN A TEMPORARY PIT AND ALLOW SLURRY TO DRY. DISPOSE OF DRY SLURRY RESIDUE IN ACCORDANCE WITH BMP WM-5.
6. COLLECT RESIDUE FROM GROOVING AND GRINDING OPERATIONS IN ACCORDANCE WITH STANDARD SPECIFICATIONS SECTION 42-1.02 AND 42-2.02, "CONSTRUCTION."

ON-SITE TEMPORARY CONCRETE WASHOUT FACILITY, TRANSIT TRUCK WASHOUT PROCEDURES

1. TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE LOCATED A MINIMUM OF 15 M (50 FT.) FROM STORM DRAIN INLETS, OPEN DRAINAGE FACILITIES, AND WATERCOURSES, UNLESS DETERMINED UNFEASIBLE BY THE ENGINEER. EACH FACILITY SHALL BE LOCATED AWAY FROM CONSTRUCTION TRAFFIC OR ACCESS AREAS TO PREVENT DISTURBANCE OR TRACKING.
2. A SIGN SHALL BE INSTALLED ADJACENT TO EACH WASHOUT FACILITY TO INFORM CONCRETE EQUIPMENT OPERATORS TO UTILIZE THE PROPER FACILITIES.
3. TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED ABOVE GRADE. TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED AND MAINTAINED IN SUFFICIENT QUANTITY AND SIZE TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS.
4. TEMPORARY WASHOUT FACILITIES SHALL HAVE A TEMPORARY PIT OR SERVED AREAS OF SUFFICIENT VOLUME TO COMPLETELY CONTAIN ALL LIQUID AND WASTE CONCRETE MATERIALS GENERATED DURING WASHOUT PROCEDURES.
5. PERFORM WASHOUT OF CONCRETE TRUCKS IN DESIGNATED AREAS ONLY.
6. ONCE CONCRETE WASTES ARE WASHED INTO THE DESIGNATED AREA AND ALLOWED TO HARDEN, THE CONCRETE SHALL BE BROKEN UP, REMOVED, AND DISPOSED. DISPOSE OF HARDENED CONCRETE ON A REGULAR BASIS.

TEMPORARY CONCRETE WASHOUT FACILITY (TYPE ABOVE GRADE)

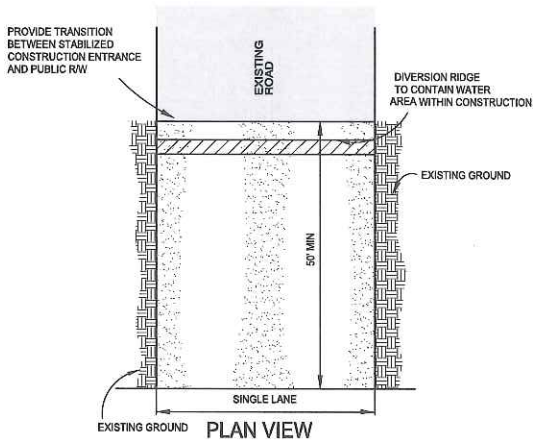
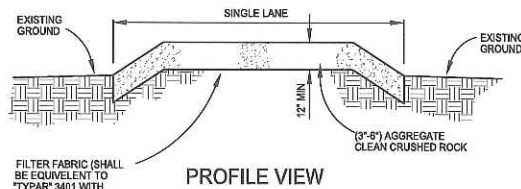
1. TEMPORARY CONCRETE WASHOUT FACILITY (TYPE ABOVE GRADE) SHALL BE CONSTRUCTED AS SHOWN ON THE PLANS, WITH A RECOMMENDED MINIMUM LENGTH AND MINIMUM WIDTH OF 3 M (10 FEET), BUT WITH SUFFICIENT QUANTITY AND VOLUME TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS. THE LENGTH AND WIDTH OF A FACILITY MAY BE INCREASED, AT THE CONTRACTOR'S EXPENSE, UPON APPROVAL OF THE ENGINEER.
2. PLASTIC LINING MATERIAL SHALL BE A MINIMUM OF 60 ML POLYETHYLENE SHEETING AND SHALL BE FREE OF HOLES, TEARS OR OTHER DEFECTS THAT COMPROMISE THE IMPERMEABILITY OF THE MATERIAL.

REMOVAL OF TEMPORARY CONCRETE WASHOUT FACILITIES

1. WHEN TEMPORARY CONCRETE WASHOUT FACILITIES ARE NO LONGER REQUIRED FOR THE WORK, AS DETERMINED BY THE ENGINEER, THE HARDENED CONCRETE SHALL BE REMOVED AND DISPOSED OF. MATERIALS USED TO CONSTRUCT TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BECOME THE PROPERTY OF THE CONTRACTOR, SHALL BE REMOVED FROM THE SITE OF THE WORK, AND SHALL BE DISPOSED OF.
2. HOLES, DEPRESSIONS OR OTHER GROUND DISTURBANCE CAUSED BY THE REMOVAL OF THE TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE BACKFILLED AND REPAIRED IN CONFORMANCE WITH THE PROJECT SPECIFICATIONS.
3. THE CONTRACTOR'S WASTE POLLUTION CONTROL MANAGER (WPCM) SHALL MONITOR ON SITE CONCRETE WASTE STORAGE AND DISPOSAL PROCEDURES AT LEAST WEEKLY.
4. THE WPCM SHALL MONITOR CONCRETE WORKING TASKS, SUCH AS SAW CUTTING, CORING, GRINDING AND GROOVING AT LEAST WEEKLY TO ENSURE PROPER METHODS ARE EMPLOYED.
5. TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE MAINTAINED TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM FREEBOARD OF 4' FOR ABOVE GRADE FACILITIES AND 12' FOR BELOW GRADE FACILITIES. MAINTAINING TEMPORARY CONCRETE WASHOUT FACILITIES SHALL INCLUDE REMOVING AND DISPOSING OF HARDENED CONCRETE AND RETURNING THE FACILITIES TO A FUNCTIONAL CONDITION. HARDENED CONCRETE MATERIALS SHALL BE REMOVED AND DISPOSED OF IN CONFORMANCE WITH THE PROVISIONS IN SECTION 15-3.02, "REMOVAL METHODS", OF THE STANDARD SPECIFICATIONS.
6. EXISTING FACILITIES MUST BE CLEANED, OR NEW FACILITIES MUST BE CONSTRUCTED AND READY FOR USE ONCE THE WASHOUT IS 75% FULL.

TEMPORARY STABILIZED CONSTRUCTION ENTRANCE NOTES

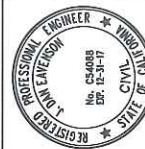
1. THE MATERIAL FOR CONSTRUCTION OF THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE 3 TO 6 INCH STONE.
2. THE THICKNESS OF THE PAD SHALL NOT BE LESS THAN 12 INCHES.
3. THE WIDTH OF THE PAD SHALL NOT BE LESS THAN THE FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS, OR 30' MIN.
4. THE LENGTH OF THE PAD SHALL BE AS REQUIRED, BUT NOT LESS THAN 50 FEET.
5. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEAN OUT ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY SHALL BE REMOVED IMMEDIATELY.
6. WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP, OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH, OR WATERCOURSE THROUGH USE OF SANDBAGS, GRAVEL, BOARDS, OR OTHER APPROVED METHODS.
7. CONTRACTOR TO REMOVE AND DISPOSE OF STABILIZED CONSTRUCTION ENTRANCE UPON COMPLETION OF CONSTRUCTION.



STABILIZED CONSTRUCTION ENTRANCE



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NO.	DESCRIPTIONS	DATE	APPROVED
1			
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3			
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6			

JOB NO. 15-025	DATE SEPTEMBER 2016
SCALE AS SHOWN	DR BY MS
CK BY DE	FILE: 15-025 LATERAL A178

EROSION CONTROL PLAN & DETAIL

SSJID LATERAL A178

ESCALON, CALIFORNIA

SHEET

10

OF 10 SHEETS