

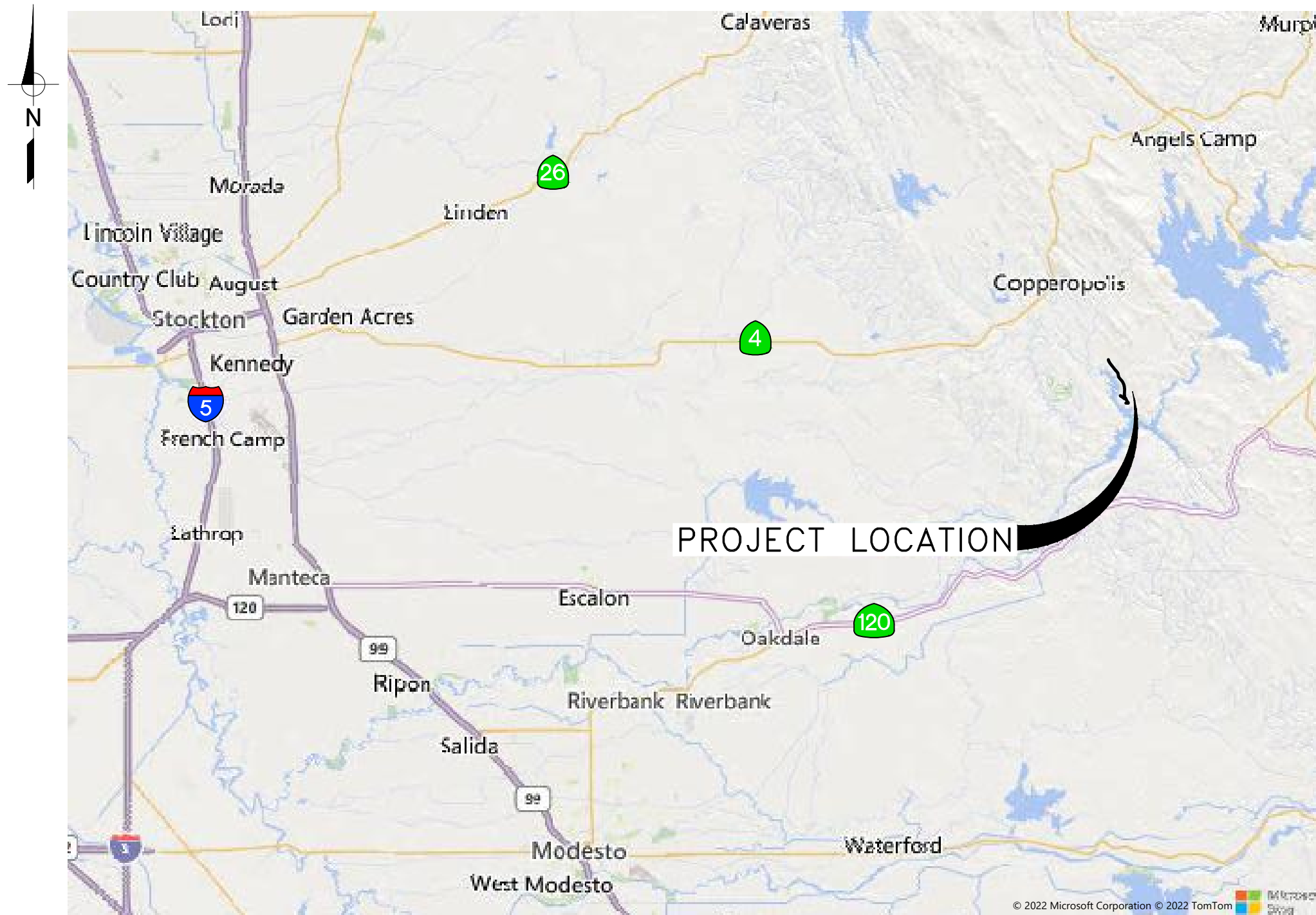
# COPPER COVE WATER SYSTEM

## LAKE TULLOCH INTER-TIE, PROJECT NO. 11104

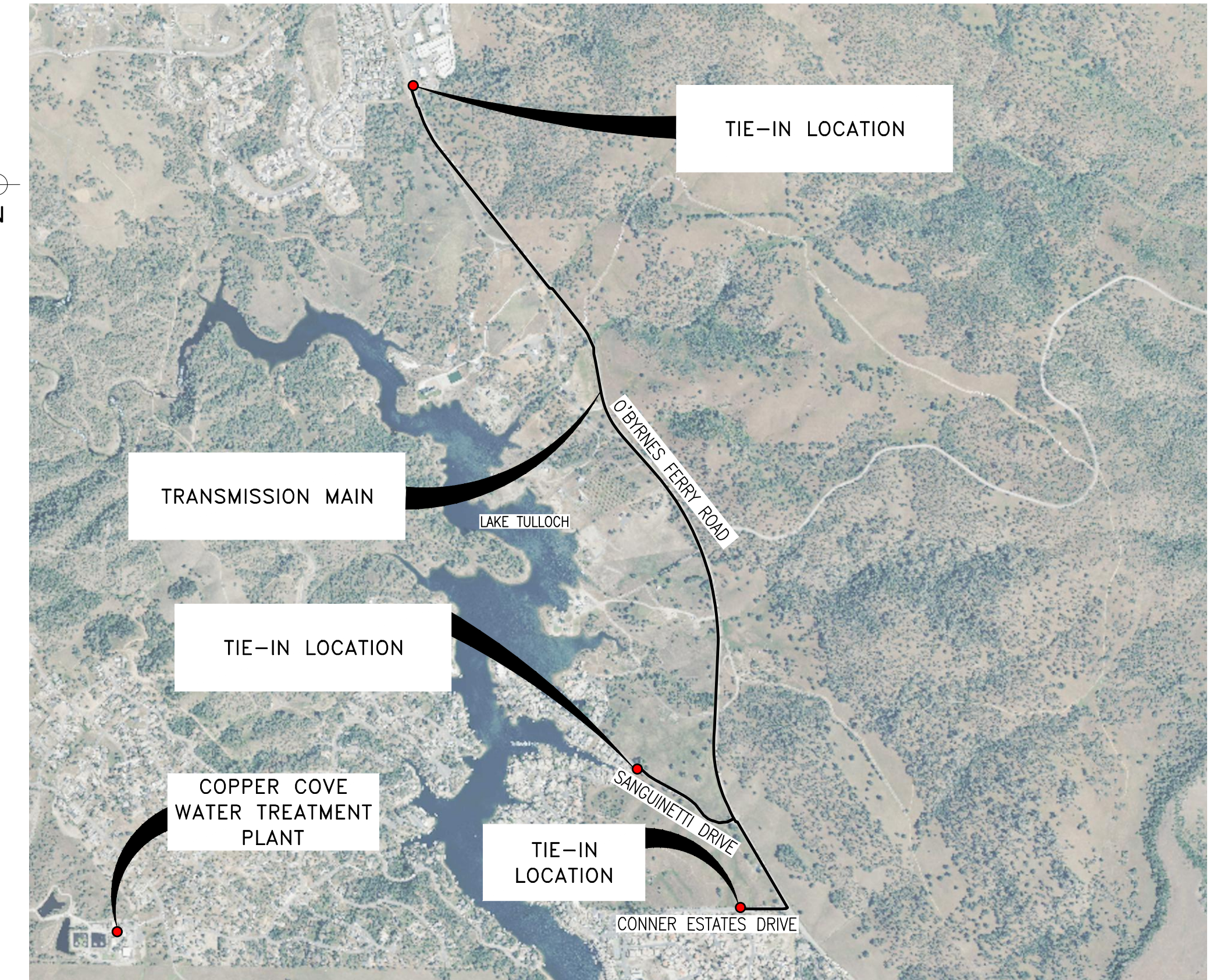
**MAY 2026  
BID SET**

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VICINITY MAP  
NTS



LOCATION MAP  
NTS

### APPROVALS

KEVIN WILLIAMS, PE DISTRICT ENGINEER CALAVERAS COUNTY WATER DISTRICT	DATE
<i>[Signature]</i>	5/29/26
KARL BRUSTAD, PE ASSOCIATE VICE PRESIDENT VERDANTAS INC.	DATE

## Calaveras County Water District

120 TOMA CT, SAN ANDREAS, CA 95249  
PHONE: (209) 754-3543



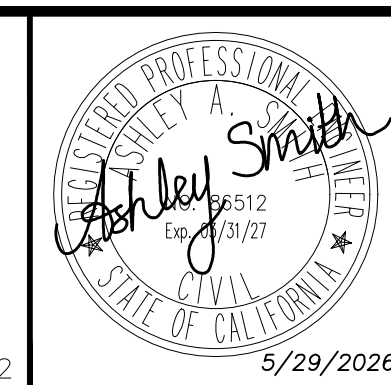
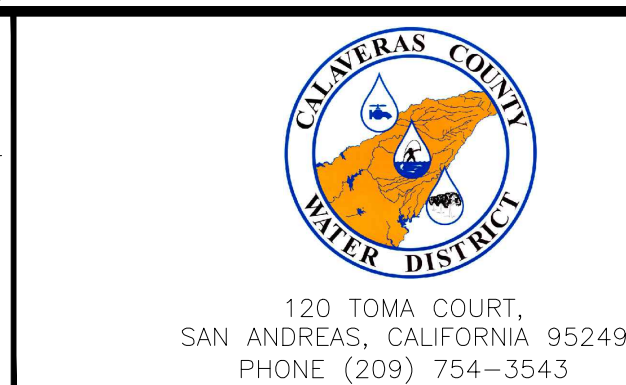
WARNING: CONTRACTOR TO USE EXTREME CAUTION. EXACT DEPTH AND LOCATION OF UNDERGROUND UTILITIES ARE UNKNOWN. CONTRACTOR TO FIELD VERIFY LOCATIONS AND DEPTH OF EXISTING UTILITIES PRIOR TO CONSTRUCTION AND SHALL NOTIFY ENGINEER OF ANY CONFLICT. CONTRACTOR SHALL CALL 811 AT LEAST TWO WORKING DAYS BEFORE DIGGING.

### BID SET

REV	DATE	BY	DESCRIPTION

SCALE: AS NOTED	WARNING IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.
DATE: MAY 2026	

DESIGNED: AAS
DRAWN: LAH/DG
CHECKED: KBB



COPPER COVE WATER SYSTEM IMPROVEMENTS PROJECT - LAKE TULLOCH INTER-TIE  
TITLE SHEET, LOCATION MAP & VICINITY MAP

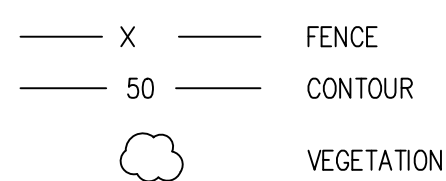
FIGURE  
**G01**  
SHEET 1 OF 29

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### ABBREVIATIONS

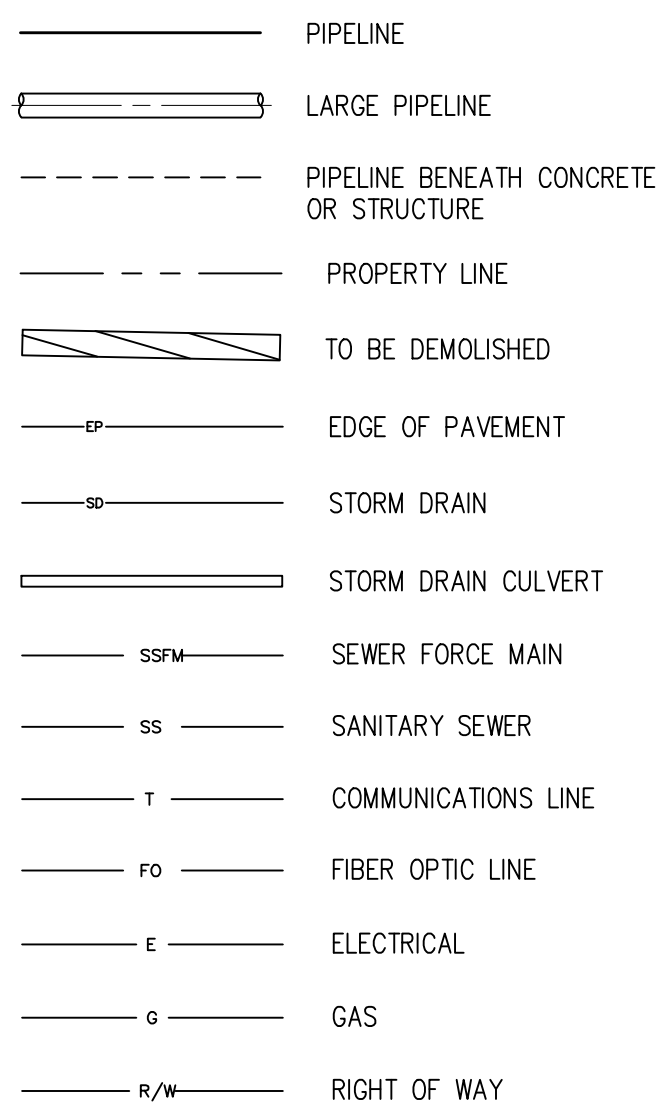
AC ASPHALT CONCRETE	MAX MAXIMUM
AWWA AMERICAN WATER WORKS ASSOCIATION	MIN MINIMUM
ARV AIR RELEASE VALVE	MJ MECHANICAL JOINT
	MPH MILES PER HOUR
CA-MUTCD CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES	(N) NEW
CCWD CALAVERAS COUNTY WATER DISTRICT	N NORTH, NORTHING
CF CUBIC FOOT	N/A NOT APPLICABLE
CLSM CONTROLLED LOW-STRENGTH MATERIAL	NO NUMBER
CMS CHANGEABLE MESSAGE SIGN	NTS NOT TO SCALE
CONC CONCRETE	
CY CUBIC YARD	
DIA, Ø DIAMETER	OH OVERHEAD LINE
DIP DUCTILE IRON PIPE	
DWG DRAWING	PRV PRESSURE REDUCING VALVE
	PSF POUNDS PER SQUARE FOOT
E EAST, EASTING, ELECTRICAL	PSI POUNDS PER SQUARE INCH
(E) EXISTING	PVC POLYVINYL CHLORIDE
EG EXISTING GRADE	
EL ELEVATION	R RADIUS
EP EDGE OF PAVEMENT	R/W RIGHT OF WAY
EA EACH	
	SF SQUARE FEET
FLG FLANGE	SQFT SQUARE FEET
FO FIBER OPTIC	SS SANITARY SEWER
FT FEET	SSFM SANITARY SEWER FORCE MAIN
	STA STATION
G GAS	SD STORM DRAIN
GPM GALLONS PER MINUTE	
GV GATE VALVE	T TELECOM
	TYP TYPICAL
HORIZ HORIZONTAL	VAR VARIUS
HT HEIGHT	VERT VERTICAL
	W WATER, WEST, WIDTH
I.D. IDENTIFICATION	WTP WATER TREATMENT PLANT
IE INVERT ELEVATION	
IN," INCH	
L LENGTH	
LF LINEAR FOOT	

### SITE PLAN LINE TYPE



#### NOTES:

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



### GENERAL SYMBOLOGY

#### PLAN

(SCALE AS NOTED)

ARROW INDICATES DIRECTION OF PLAN NORTH

INDICATES SECTION I.D. NUMBER

#### SECTION

3/8"=1'-0"

INDICATES SHEET WHERE SECTION WAS CUT (-) INDICATES SECTION FOUND ON SAME SHEET

INDICATES DETAIL I.D. NUMBER

#### DETAIL

3"=1'-0"

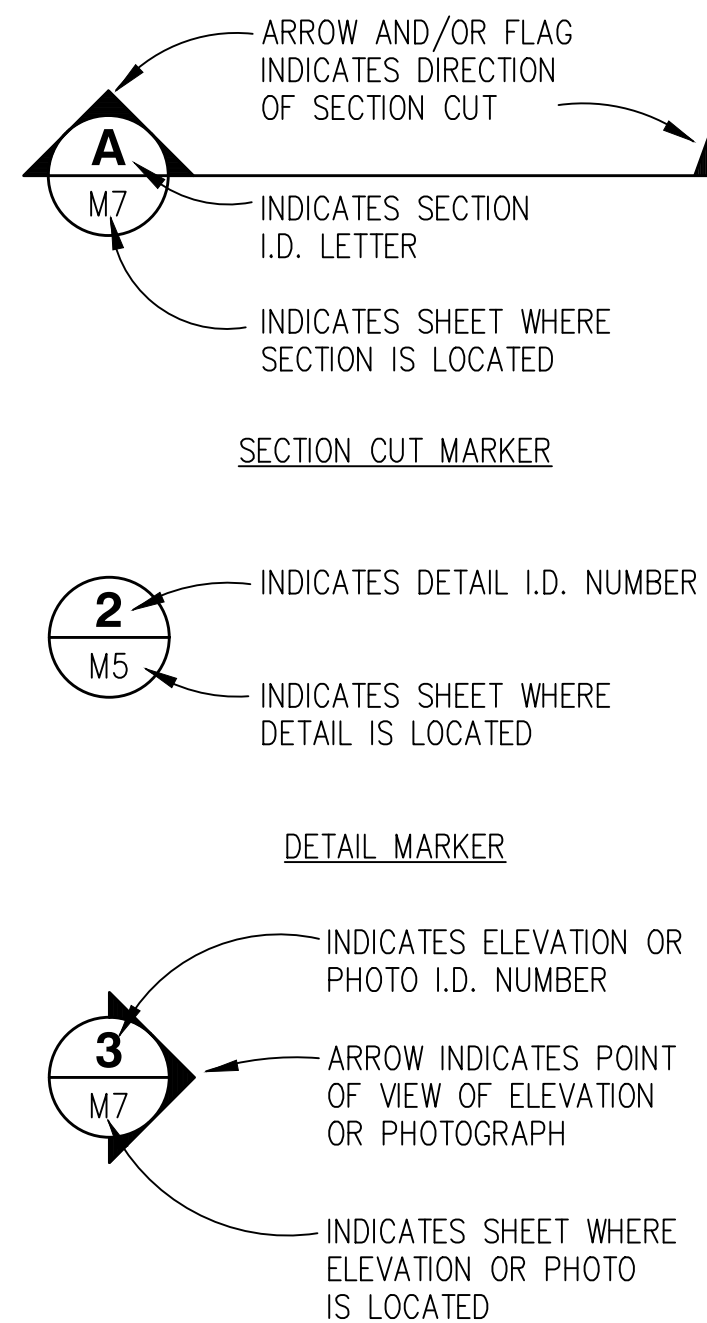
INDICATES SHEET WHERE DETAIL APPLIES (-) INDICATES DETAIL FOUND ON SAME SHEET

INDICATES ELEVATION OR PHOTO I.D. NUMBER

#### ELEVATION (OR PHOTO)

3"=1'-0"

INDICATES SHEET WHERE POINT OF VIEW MARKER CAN BE FOUND (-) INDICATES MARKER TO BE FOUND ON SAME SHT



### DESIGN CRITERIA

#### PROPOSED WATER MAIN

DIAMETER	12 IN
APPROXIMATE LENGTH	12,700 FT
MATERIAL	DUCTILE IRON
CLASS	350
TEST PRESSURE	200 PSI

### POTHOLE INFORMATION

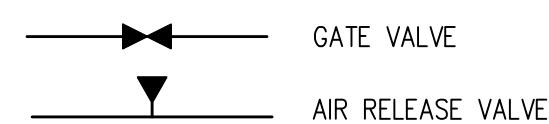
No	STATION	UTILITY TYPE	UTILITY SIZE	DEPTH TO TOP	NORTHING	EASTING
1.	100+00	WATER MAIN	8" DI TEE	2.95	6535459.8643	2153516.4961
2.	105+00	PHONE LINE	NONE FOUND	N/A	6535967.3547	2153546.2616
3.	105+00	FIBER OPTIC	NONE FOUND	N/A	6535969.6811	2153543.0069
4.	125+75	PHONE LINE	N/A	HOLE NOT EXPLORED		
5.	170+25	PHONE LINE	NONE FOUND	N/A	6533846.1142	2159429.9365
6.	201+65	PHONE LINE	2-3" PVC 1" DIRECT BURY	2.30	6532165.3606	2162006.8763
7.	204+40	SEWER PHONE LINE	2-3" PVC 1" DIRECT BURY	3.30 3.70	6532000.8956	2162238.8315
8.	208+10	SEWER PHONE LINE	2-3" PVC 1" DIRECT BURY	3.30 3.60	6531812.2870	2162546.5503
9.	212+93	WATER MAIN	12" C900	2.00	6531683.3841	2163031.2856
10.	400+00	WATER MAIN	12" FLANGE	4.30	6534275.6496	2155145.5473
11.	412+95	SEWER FM	6" C900	3.70	6535354.9247	2154548.0034
12.	413+19	PHONE LINE	NONE FOUND	N/A	6535369.3513	2154556.9862
12a.	413+19	PHONE LINE	NONE FOUND	N/A	6535364.8014	2154565.6362

### GENERAL NOTES

- THESE ABBREVIATIONS APPLY TO THE ENTIRE SET OF CONTRACT DRAWINGS.
- LISTING OF ABBREVIATIONS DOES NOT IMPLY ALL ABBREVIATIONS ARE USED IN THE CONTRACT DRAWINGS.
- ABBREVIATIONS SHOWN ON THIS DRAWING INCLUDE VARIATIONS OF THE WORD. FOR EXAMPLE, "W" MAY MEAN WATER OR WEST.
- SCREENING OR SHADING OF WORK IS USED TO INDICATE EXISTING COMPONENTS TO HIGHLIGHT SELECTED TRADE WORK. REFER TO CONTEXT OF EACH DRAWING FOR USAGE.
- WATER MAINS SHALL BE INSTALLED WITH A MINIMUM 36 INCHES OF COVER.
- ALL JOINTS AND FITTINGS FOR WATER MAINS MUST BE FULLY RESTRAINED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR POTHOLING EXISTING UTILITIES PRIOR TO INSTALLATION OF NEW WATER MAINS AND APPURTENANCES. PRIOR TO PROCEEDING WITH TIE-INS TO EXISTING WATER MAINS, CONTRACTOR SHALL LOCATE EXISTING UTILITIES TO CONFIRM REQUIRED SEPARATION DISTANCES ARE ACHIEVABLE.
- WATER MAINS SHALL MAINTAIN MINIMUM HORIZONTAL SEPARATION OF 4 FEET AND 10 FEET FROM STORM DRAINS AND SEWER MAINS, RESPECTIVELY. A MINIMUM OF 1 FOOT VERTICAL SEPARATION SHALL BE MAINTAINED ABOVE AND BELOW ALL STORM DRAIN AND SEWER MAIN CROSSINGS. A FULL STICK OF WATER PIPE SHALL BE CENTERED UNDER ALL STORM DRAIN AND SEWER MAIN CROSSINGS UTILIZING MECHANICAL JOINTS, WITH CROSSINGS AT ANGLES NO LESS THAN 45 DEGREES.
- PAVEMENT RESTORATION SHALL BE STREET CATEGORY B, OPTION 2, TYPE II OR TYPE III MICROSURFACE ACROSS THE ENTIRE ROAD WIDTH FOR THE LENGTH OF THE TRENCH, IN ACCORDANCE WITH THE COUNTY OF CALAVERAS DEPARTMENT OF PUBLIC WORKS ENCROACHMENT PERMIT REQUIREMENTS. REPLACE ALL EXISTING TRAFFIC MARKINGS WITH NEW THERMOPLASTIC.

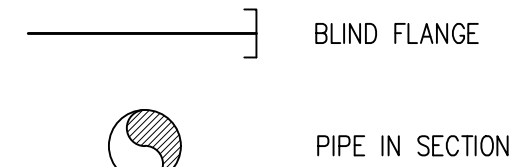
### SITE PLAN SYMBOLOGY

#### VALVES

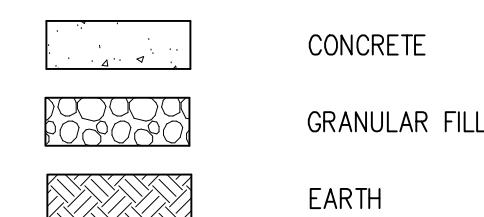


BL BOLLARD
EPB ELECTRICAL PULLBOX
FH FIRE HYDRANT
GA GUY ANCHOR
IR IRRIGATION CONTROLLER
MB MAILBOX
PP POWER POLE
PPR POWER POLE WITH RISER
SC SEWER CLEANOUT
SM SEWER MANHOLE
S SIGN
SL STREET LIGHT
TB TELEPHONE BOX
TR TELEPHONE RISER
TV TELEPHONE VAULT
TN TREE AS NOTED
WM WATER METER
WV WATER VALVE

#### MISCELLANEOUS



### MATERIALS IN PLAN/SECTION

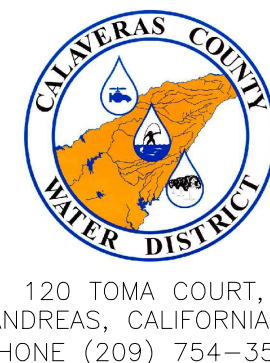


### BID SET

REV	DATE	BY	DESCRIPTION

SCALE:	WARNING
AS NOTED	0 1/2 1
DATE:	IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.
MAY 2026	

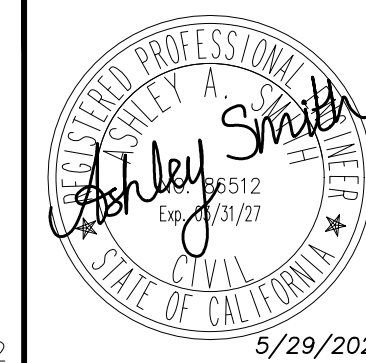
DESIGNED	AAS
DRAWN	LAH/DG
CHECKED	KBB



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PH. 916-608-2212

5/29/2026

COPPER COVE WATER SYSTEM IMPROVEMENTS PROJECT - LAKE TULLOCH INTER-TIE

ABBREVIATIONS, SYMBOLS, GENERAL NOTES, & DESIGN CRITERIA

FIGURE

G02

SHEET 2 OF 29

**NOTES:**

1. CONTRACTOR IS RESPONSIBLE FOR ANY ADDITIONAL STAGING AREA(S).
2. ACCESS AND MATERIAL DELIVERIES TO THE WTP STAGING AREA TO BE COORDINATED WITH DISTRICT STAFF.



**COPPER COVE WATER TREATMENT PLANT**

N: 2153427.69  
E: 6527709.83

N: 2153342.06  
E: 6527720.67

STAGING AREA

N: 2153353.13  
E: 6527873.24

N: 2153306.46  
E: 6527916.60

SITE ACCESS GATE.  
SEE NOTE 2

KVA PLACE

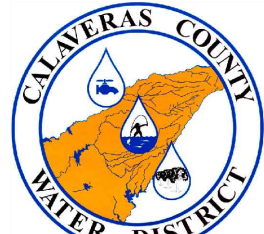
LITTLEJOHN ROAD

P:\COWD\Copper Cove Water System Improvements\05 Drawings\5.1 CAD\Lake Tulloch InterTie\Tulloch InterTie (2023) - StagingC1.dwg 5-28-26 03:55:50 PM azevedo

REV	DATE	BY	DESCRIPTION

SCALE: 1" = 40'	WARNING 0 1/2 1
DATE: MAY 2026	IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

DESIGNED AAS
DRAWN LAH/DG
CHECKED KBB



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COPPER COVE WATER SYSTEM IMPROVEMENTS PROJECT - LAKE TULLOCH INTER-TIE

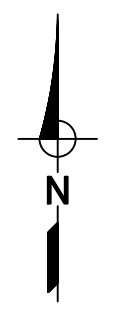
**STAGING AREA**

**BID SET**

FIGURE  
**C01**

SHEET 3 OF 29

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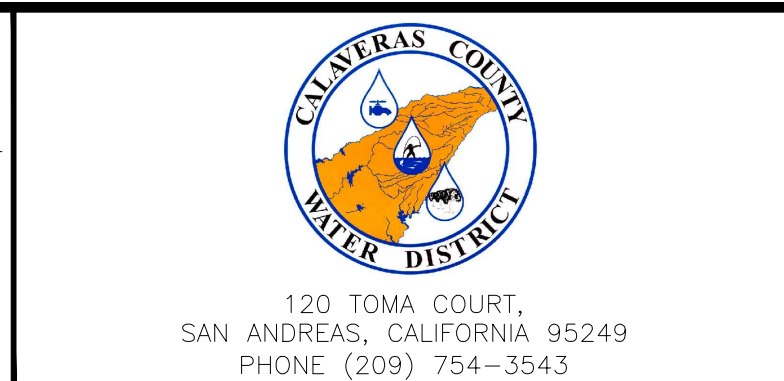
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SCALE: 1"=600'

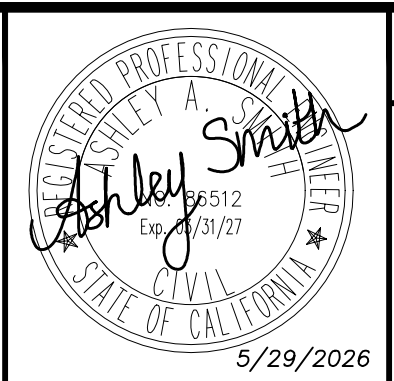
DATE: MAY 2026

WARNING: IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

DESIGNED: AAS  
 DRAWN: LAH/DG  
 CHECKED: KBB



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COPPER COVE WATER SYSTEM IMPROVEMENTS PROJECT - LAKE TULLOCH INTER-TIE

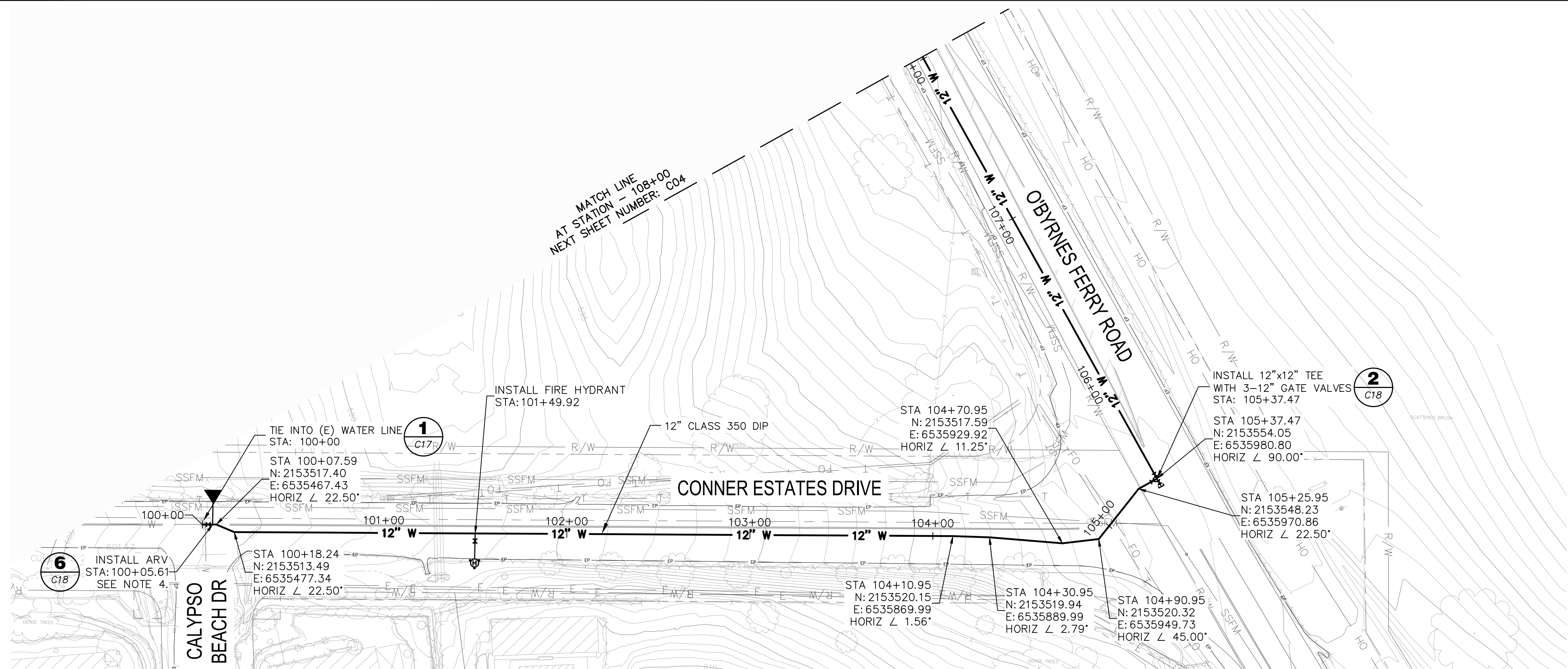
TRANSMISSION MAIN SHEET INDEX

**BID SET**

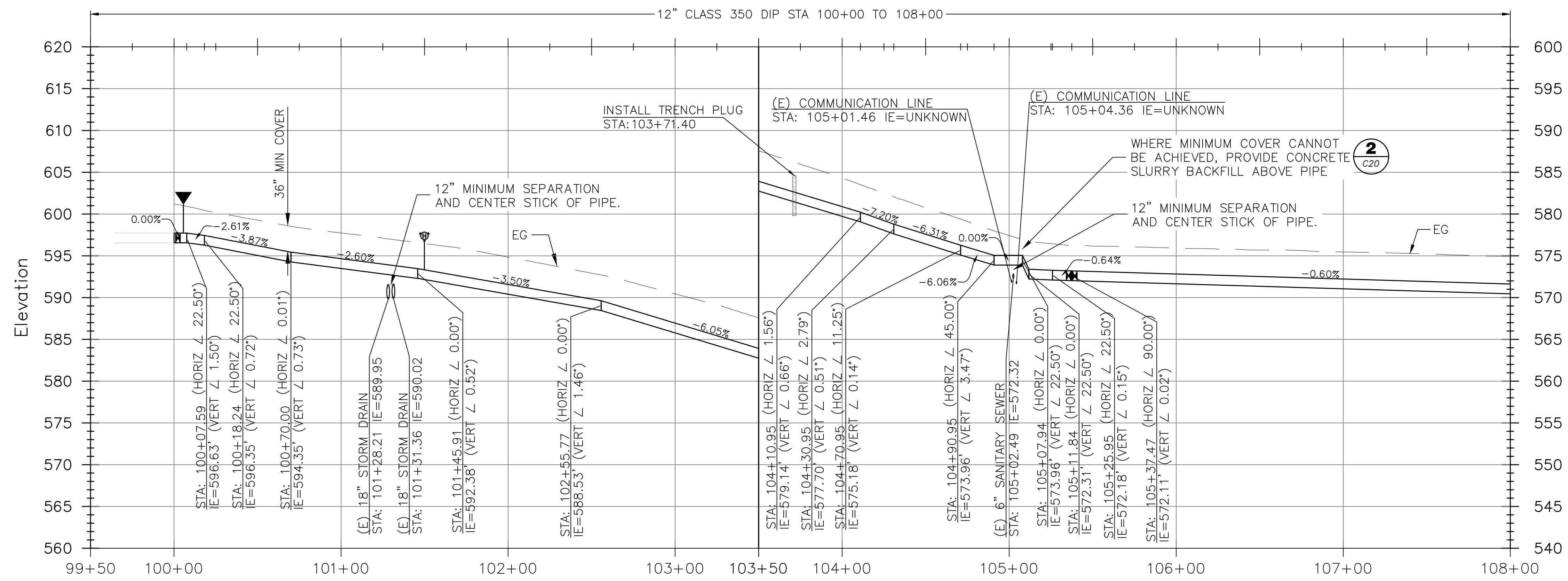
FIGURE **C02**

SHEET 4 OF 29

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PIPELINE PLAN  
HORIZ SCALE: 1"=40'



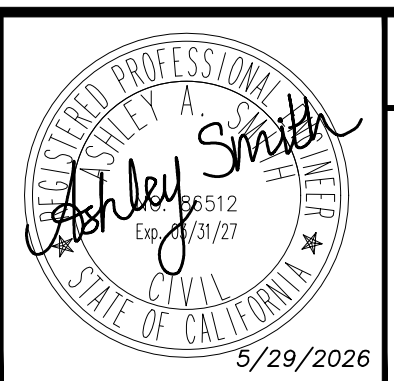
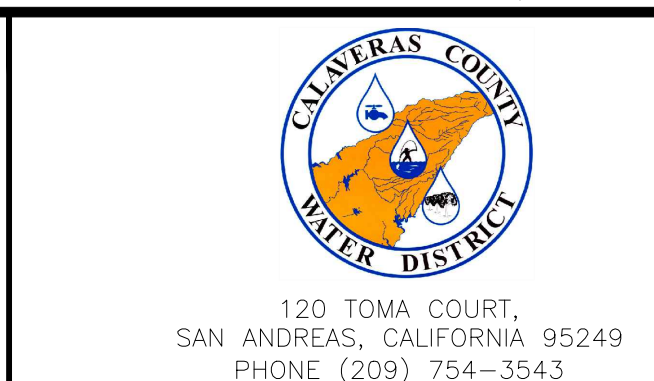
PIPELINE PROFILE  
HORIZ SCALE: 1"=40' | VERT SCALE: 1"=8'

- NOTES:
1. WATER MAINS SHALL BE INSTALLED WITH A MINIMUM 36 INCHES OF COVER UNLESS NOTED OTHERWISE.
  2. ALL JOINTS AND FITTINGS SHALL BE FULLY RESTRAINED.
  3. CONTRACTOR SHALL BE RESPONSIBLE FOR POTHOLING EXISTING UTILITIES PRIOR TO INSTALLATION OF NEW WATER MAINS AND APPURTENANCES. PRIOR TO PROCEEDING WITH TIE-INS TO EXISTING WATER MAINS, CONTRACTOR SHALL LOCATE EXISTING UTILITIES TO CONFIRM REQUIRED SEPARATION DISTANCES ARE ACHIEVABLE.
  4. CONTRACTOR SHALL ENSURE ARVS MAINTAIN A POSITIVE SLOPE AND 36 INCHES MINIMUM COVER.



REV	DATE	BY	DESCRIPTION

SCALE: AS NOTED	WARNING 0 1/2 1 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.
DATE: MAY 2026	DESIGNED AAS DRAWN LAH/DG CHECKED KBB



COPPER COVE WATER SYSTEM IMPROVEMENTS PROJECT - LAKE TULLOCH INTER-TIE

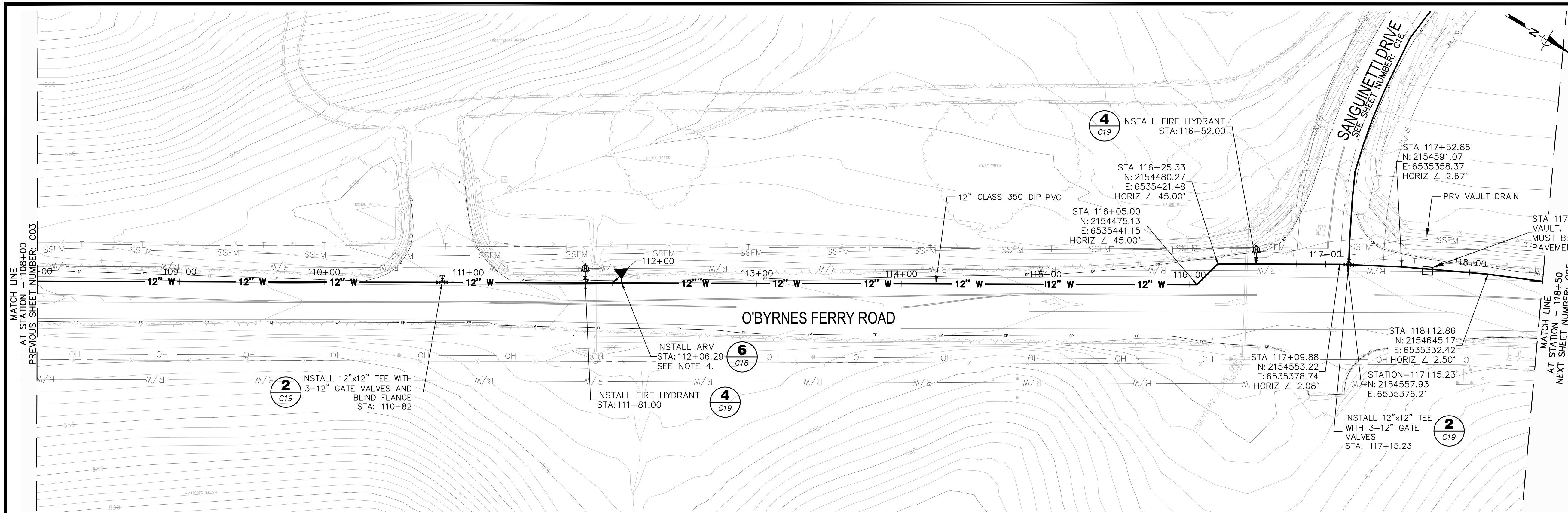
PLAN AND PROFILE  
STA 100+00 TO 108+00

**BID SET**

FIGURE  
**C03**

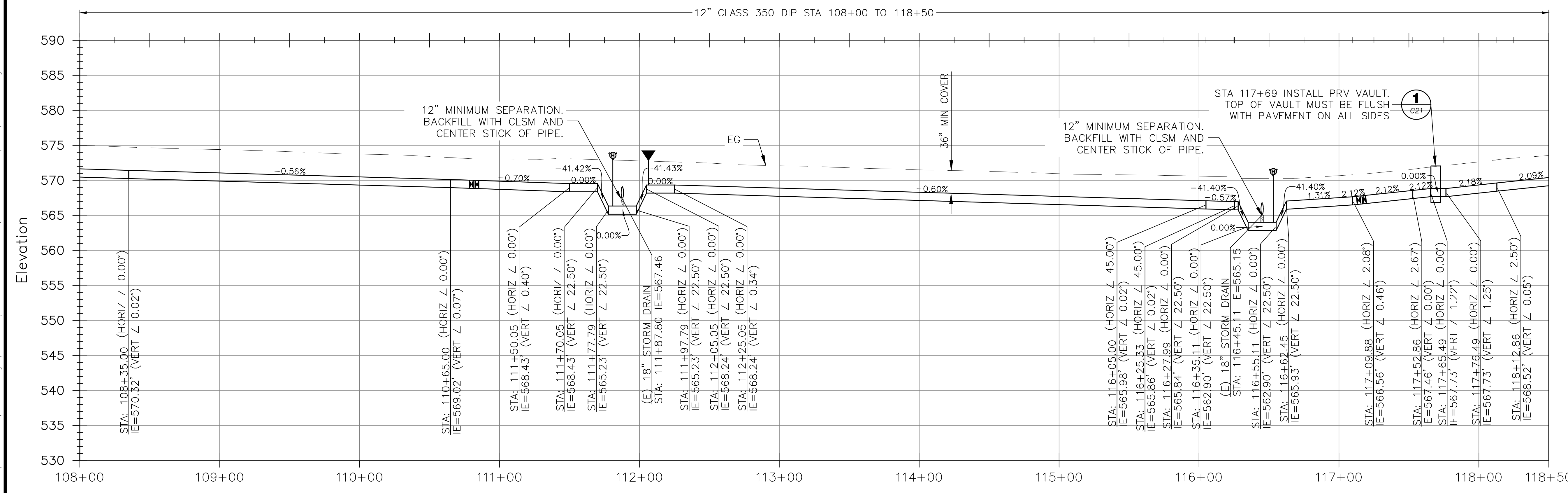
SHEET 5 OF 29

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- NOTES:
1. WATER MAINS SHALL BE INSTALLED WITH A MINIMUM 36 INCHES OF COVER.
  2. ALL JOINTS AND FITTINGS SHALL BE FULLY RESTRAINED.
  3. CONTRACTOR SHALL BE RESPONSIBLE FOR POTHOLING EXISTING UTILITIES PRIOR TO INSTALLATION OF NEW WATER MAINS AND APPURTENANCES. PRIOR TO PROCEEDING WITH TIE-INS TO EXISTING WATER MAINS, CONTRACTOR SHALL LOCATE EXISTING UTILITIES TO CONFIRM REQUIRED SEPARATION DISTANCES ARE ACHIEVABLE.
  4. CONTRACTOR SHALL ENSURE ARVS MAINTAIN A POSITIVE SLOPE AND 36 INCHES MINIMUM COVER

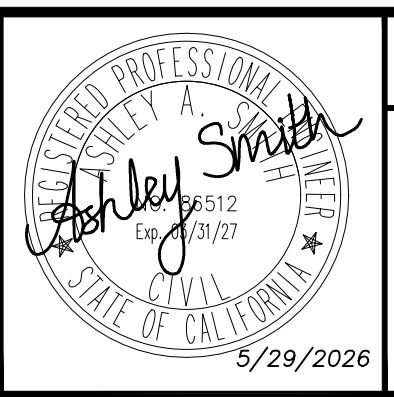
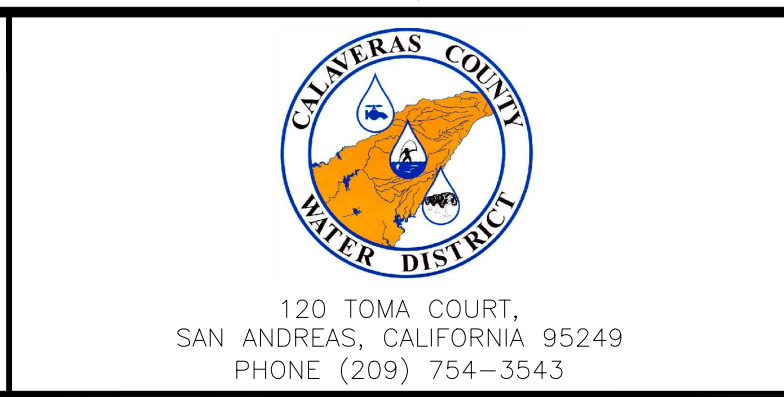
PIPELINE PLAN  
HORIZ SCALE: 1"=40'



PIPELINE PROFILE  
HORIZ SCALE: 1"=40' | VERT SCALE: 1"=8'

REV	DATE	BY	DESCRIPTION

SCALE: AS NOTED	WARNING 0 1/2 1 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.
DESIGNED: AAS	DRAWN: LAH/DG
DATE: MAY 2026	CHECKED: KBB



COPPER COVE WATER SYSTEM IMPROVEMENTS PROJECT - LAKE TULLOCH INTER-TIE

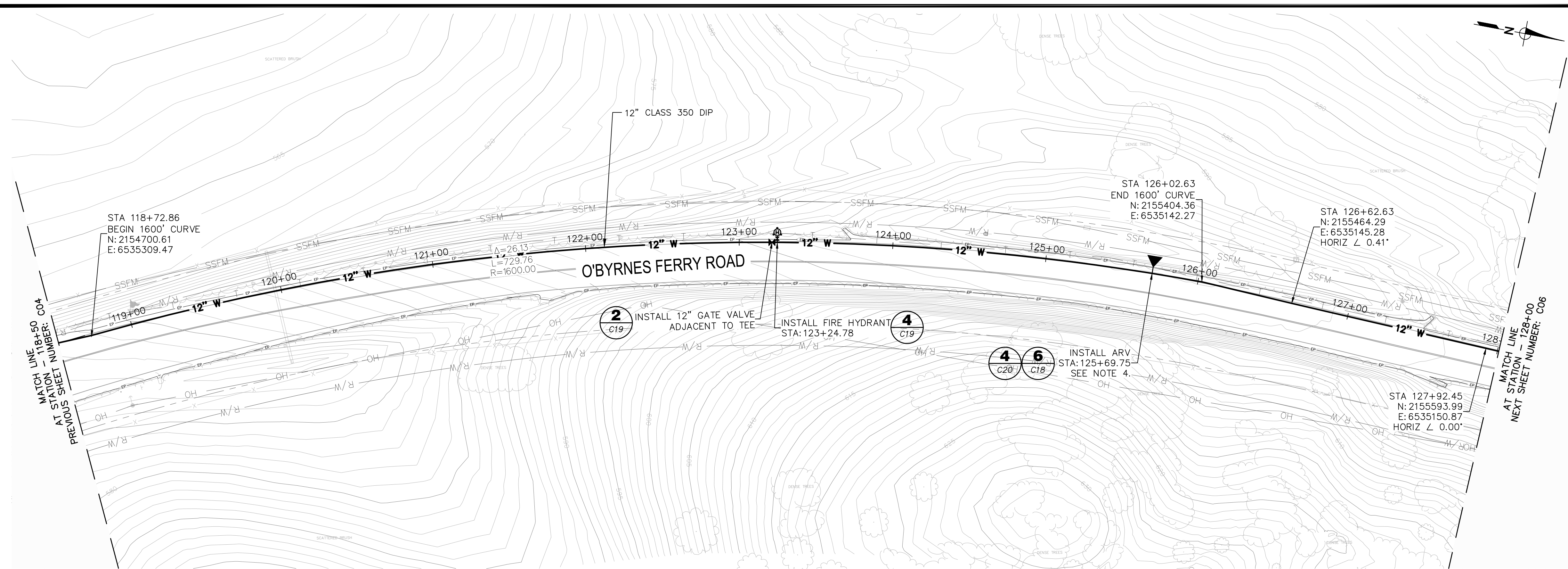
PLAN AND PROFILE  
STA 108+00 TO 118+50

**BID SET**

FIGURE  
**C04**

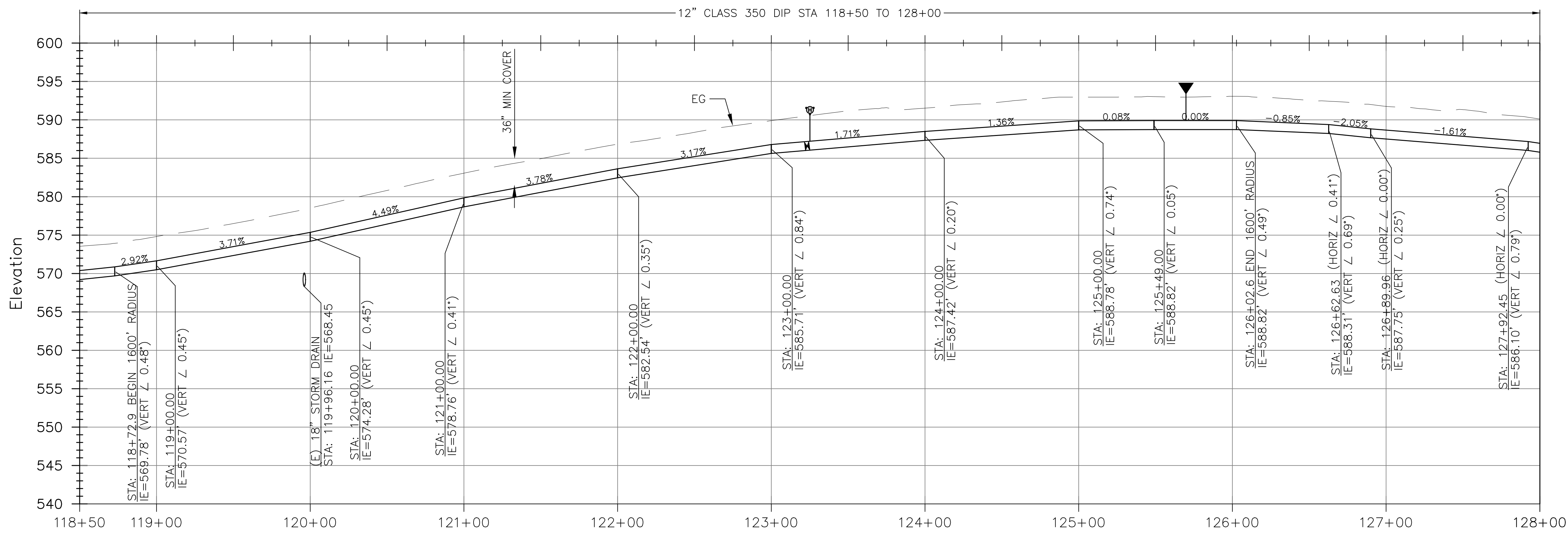
SHEET 6 OF 29

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PIPELINE PLAN  
HORIZ SCALE: 1"=40'

- NOTES:
1. WATER MAINS SHALL BE INSTALLED WITH A MINIMUM 36 INCHES OF COVER.
  2. ALL JOINTS AND FITTINGS SHALL BE FULLY RESTRAINED.
  3. CONTRACTOR SHALL BE RESPONSIBLE FOR POTHOLING EXISTING UTILITIES PRIOR TO INSTALLATION OF NEW WATER MAINS AND APPURTENANCES. PRIOR TO PROCEEDING WITH TIE-INS TO EXISTING WATER MAINS, CONTRACTOR SHALL LOCATE EXISTING UTILITIES TO CONFIRM REQUIRED SEPARATION DISTANCES ARE ACHIEVABLE.
  4. CONTRACTOR SHALL ENSURE ARVS MAINTAIN A POSITIVE SLOPE AND 36 INCHES MINIMUM COVER.

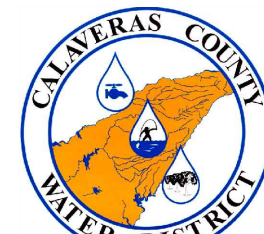


PIPELINE PROFILE  
HORIZ SCALE: 1"=40' | VERT SCALE: 1"=8'

REV	DATE	BY	DESCRIPTION

SCALE:	WARNING
AS NOTED	0 1/2 1
DATE:	IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.
MAY 2026	

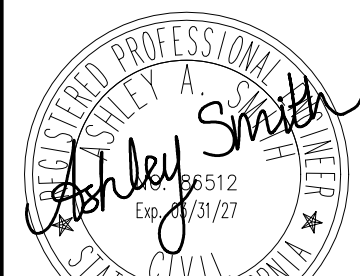
DESIGNED	AAS
DRAWN	LAH/DG
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COPPER COVE WATER SYSTEM IMPROVEMENTS PROJECT - LAKE TULLOCH INTER-TIE

PLAN AND PROFILE  
STA 118+50 TO 128+00

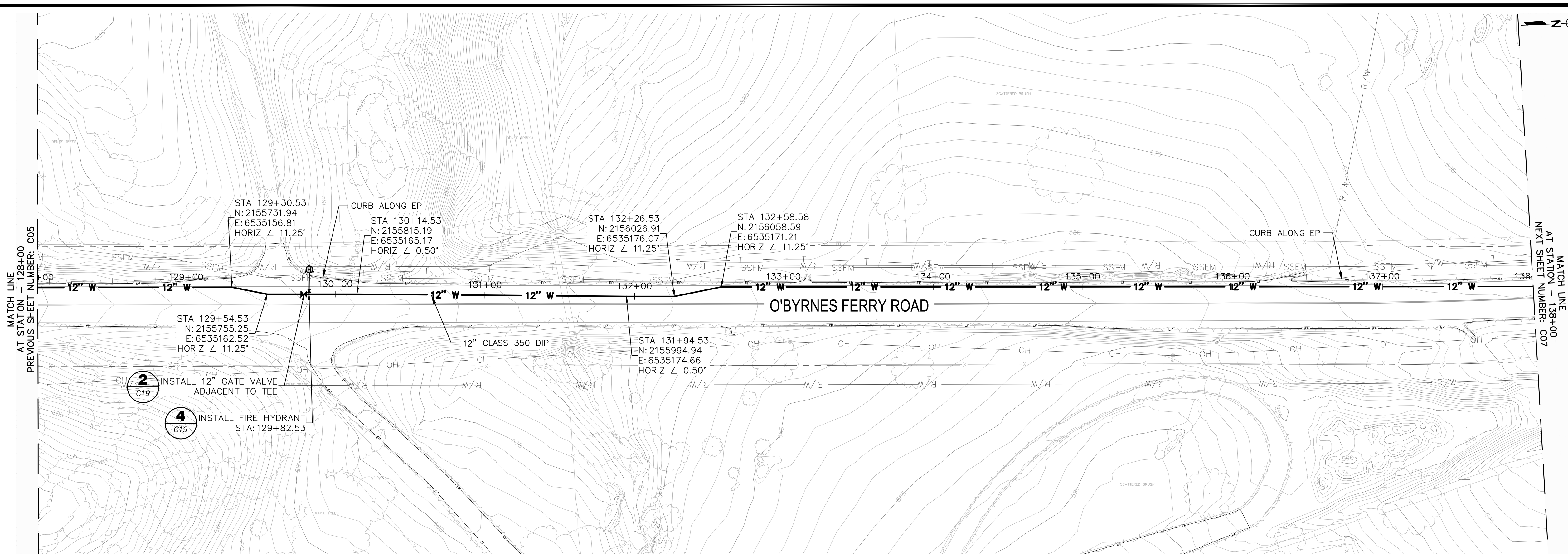
BID SET

FIGURE

C05

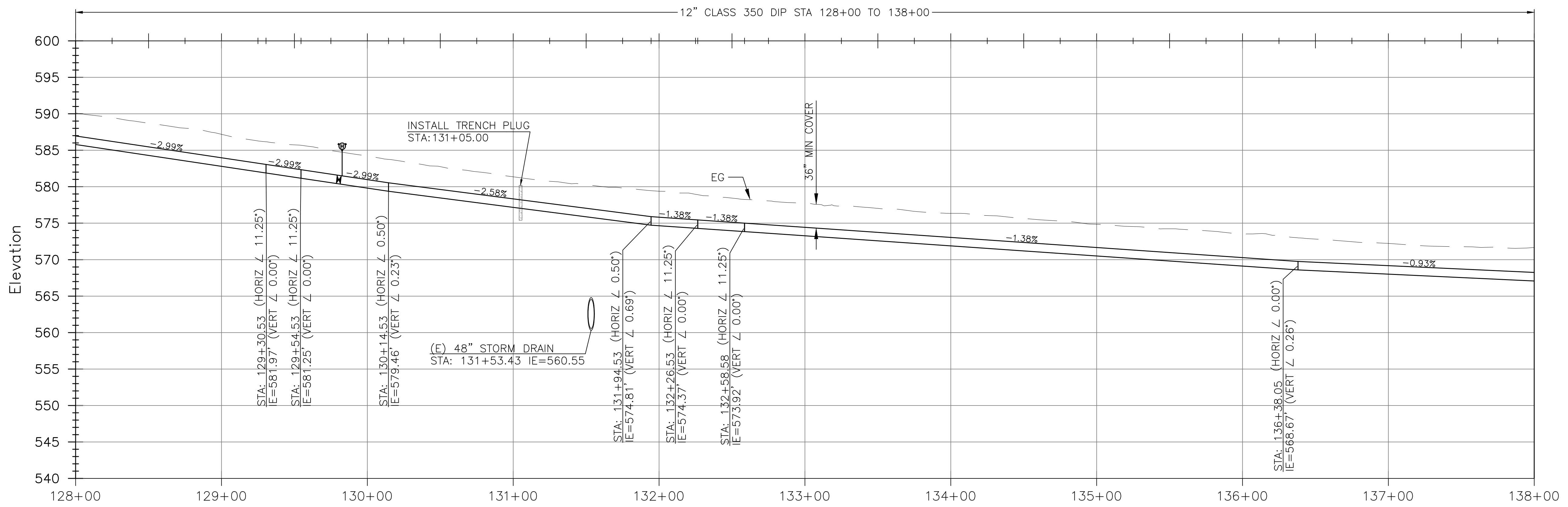
SHEET 7 OF 29

P:\CCWD\Copper Cove Water System Improvements\05 Drawings\5.1 CAD\Lake Tulloch InterTie\Tulloch InterTie (2023) - Civil.dwg 5-28-26 03:56:41 PM aazevedo



- NOTES:
1. WATER MAINS SHALL BE INSTALLED WITH A MINIMUM 36 INCHES OF COVER.
  2. ALL JOINTS AND FITTINGS SHALL BE FULLY RESTRAINED.
  3. CONTRACTOR SHALL BE RESPONSIBLE FOR POTHOLING EXISTING UTILITIES PRIOR TO INSTALLATION OF NEW WATER MAINS AND APPURTENANCES. PRIOR TO PROCEEDING WITH TIE-INS TO EXISTING WATER MAINS, CONTRACTOR SHALL LOCATE EXISTING UTILITIES TO CONFIRM REQUIRED SEPARATION DISTANCES ARE ACHIEVABLE.

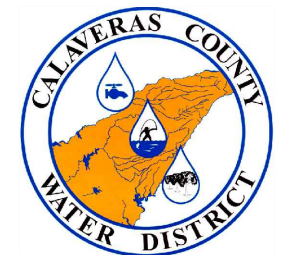
PIPELINE PLAN  
HORIZ SCALE: 1"=40'



PIPELINE PROFILE  
HORIZ SCALE: 1"=40' | VERT SCALE: 1"=8'

REV	DATE	BY	DESCRIPTION

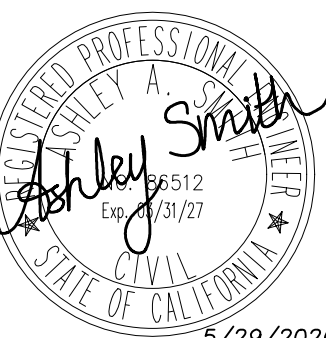
SCALE: AS NOTED	WARNING 0 1/2 1 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.
DATE: MAY 2026	DESIGNED AAS DRAWN LAH/DG CHECKED KBB



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PHONE (209) 754-3543



80 Blue Ravine Rd. Suite 280  
Folsom, CA 95630  
PH. 916-608-2212



5/29/2026

COPPER COVE WATER SYSTEM IMPROVEMENTS PROJECT - LAKE TULLOCH INTER-TIE

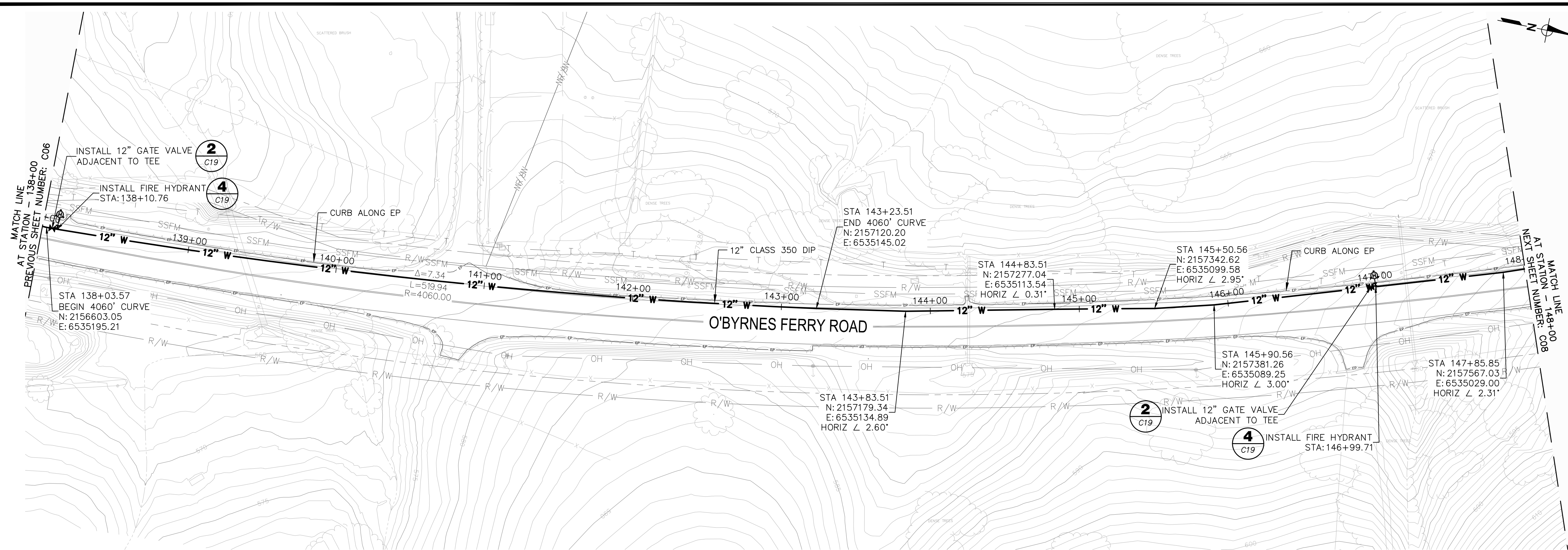
PLAN AND PROFILE  
STA 128+00 TO 138+00

**BID SET**

FIGURE  
**C06**

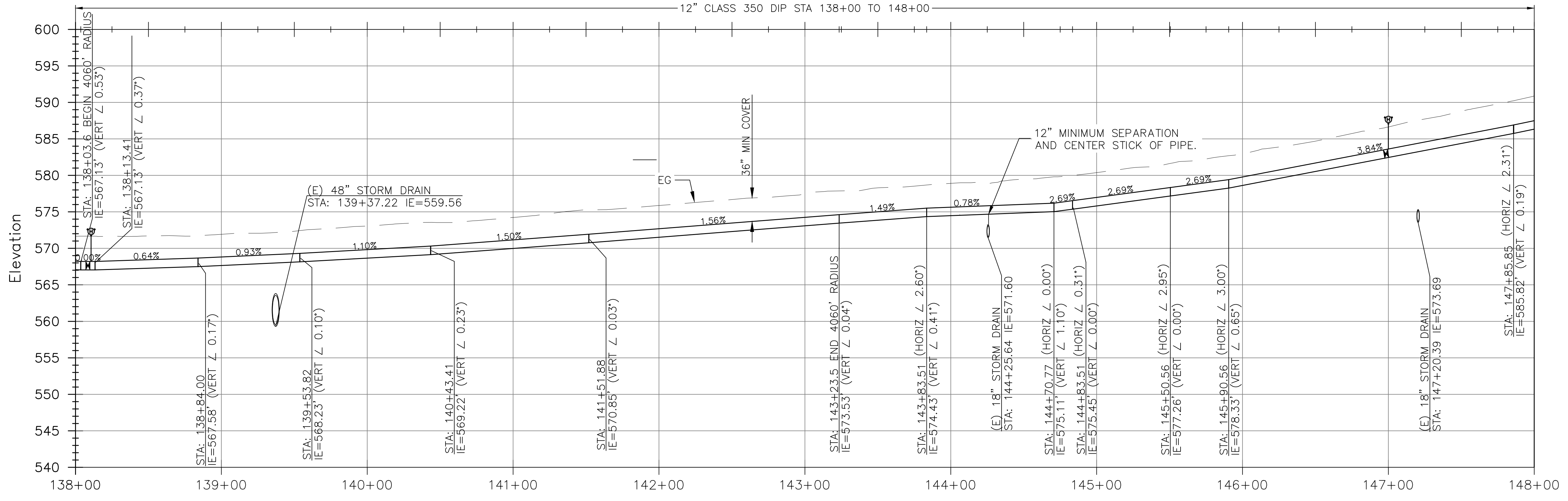
SHEET 8 OF 29

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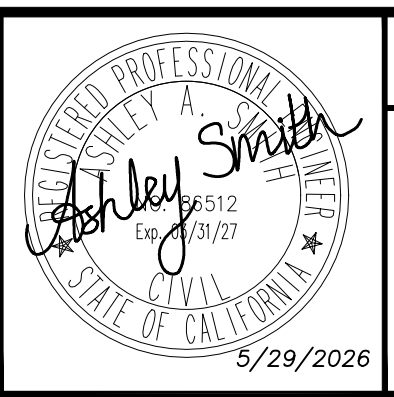
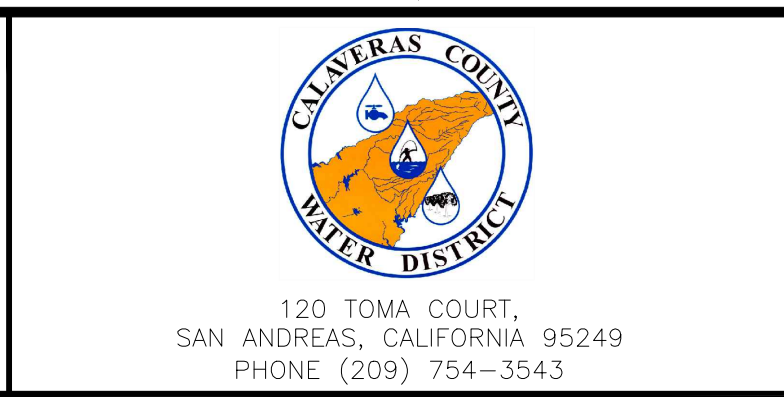
PIPELINE PLAN  
HORIZ SCALE: 1"=40'



PIPELINE PROFILE  
HORIZ SCALE: 1"=40' | VERT SCALE: 1"=8'

REV	DATE	BY	DESCRIPTION

SCALE: AS NOTED	WARNING 0 1/2 1 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.
DESIGNED: AAS	DRAWN: LAH/DG
DATE: MAY 2026	CHECKED: KBB



COPPER COVE WATER SYSTEM IMPROVEMENTS PROJECT - LAKE TULLOCH INTER-TIE

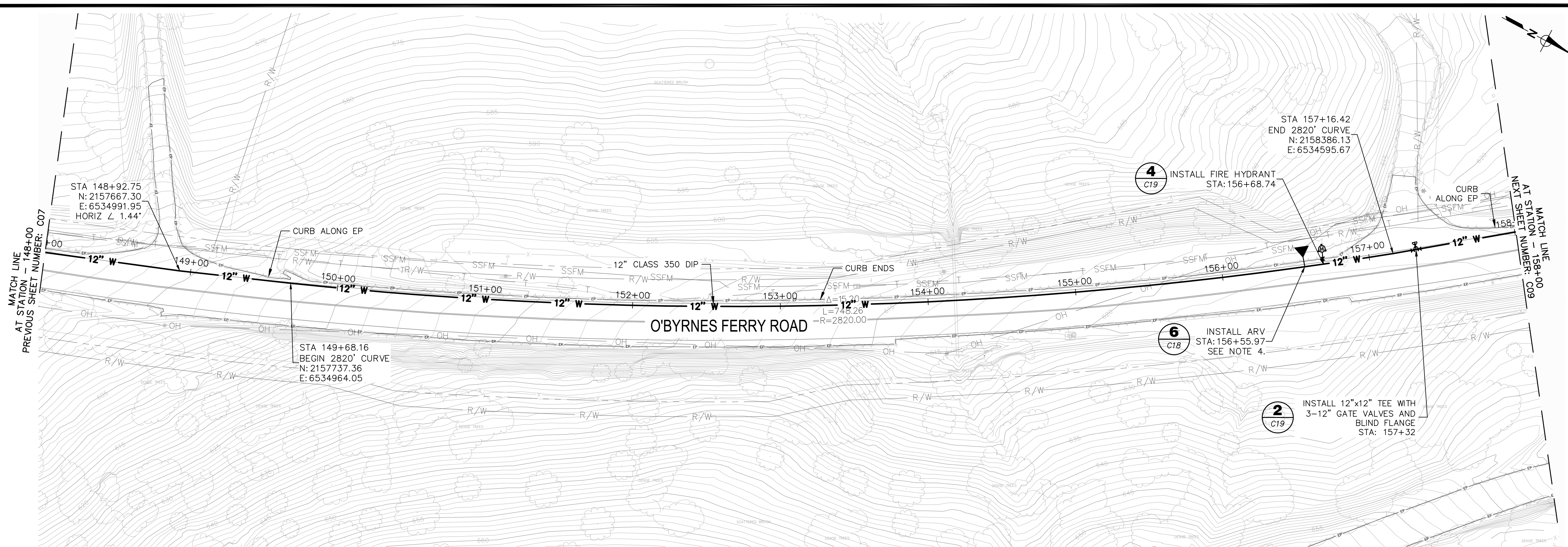
PLAN AND PROFILE  
STA 138+00 TO 148+00

**BID SET**

FIGURE  
**C07**

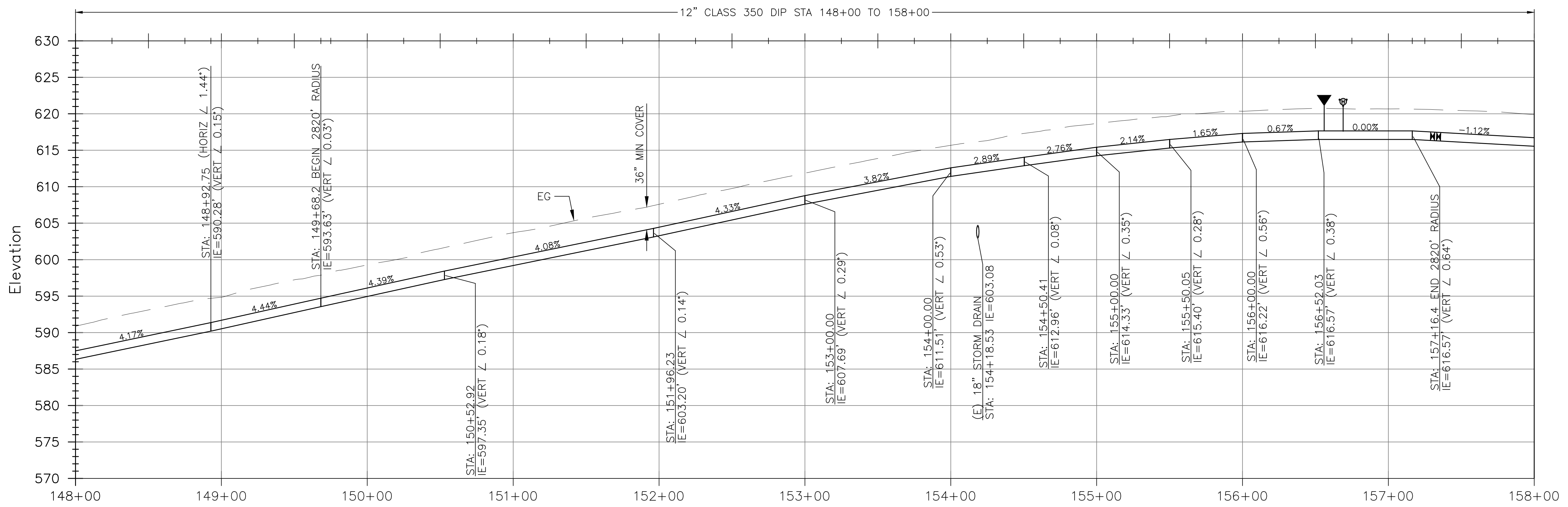
SHEET 9 OF 29

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  4. CONTRACTOR SHALL ENSURE ARVS MAINTAIN A POSITIVE SLOPE AND 36 INCHES MINIMUM COVER.

PIPELINE PLAN  
HORIZ SCALE: 1"=40'

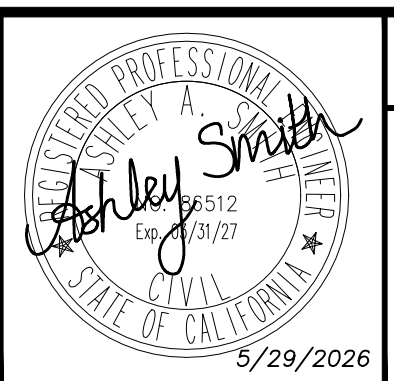
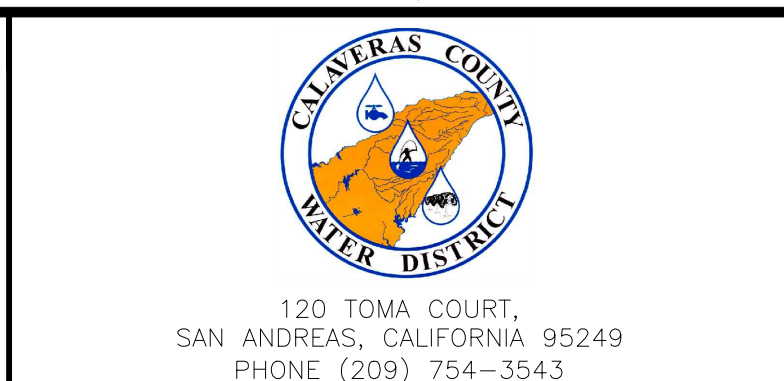


PIPELINE PROFILE  
HORIZ SCALE: 1"=40' | VERT SCALE: 1"=8'

BID SET

REV	DATE	BY	DESCRIPTION

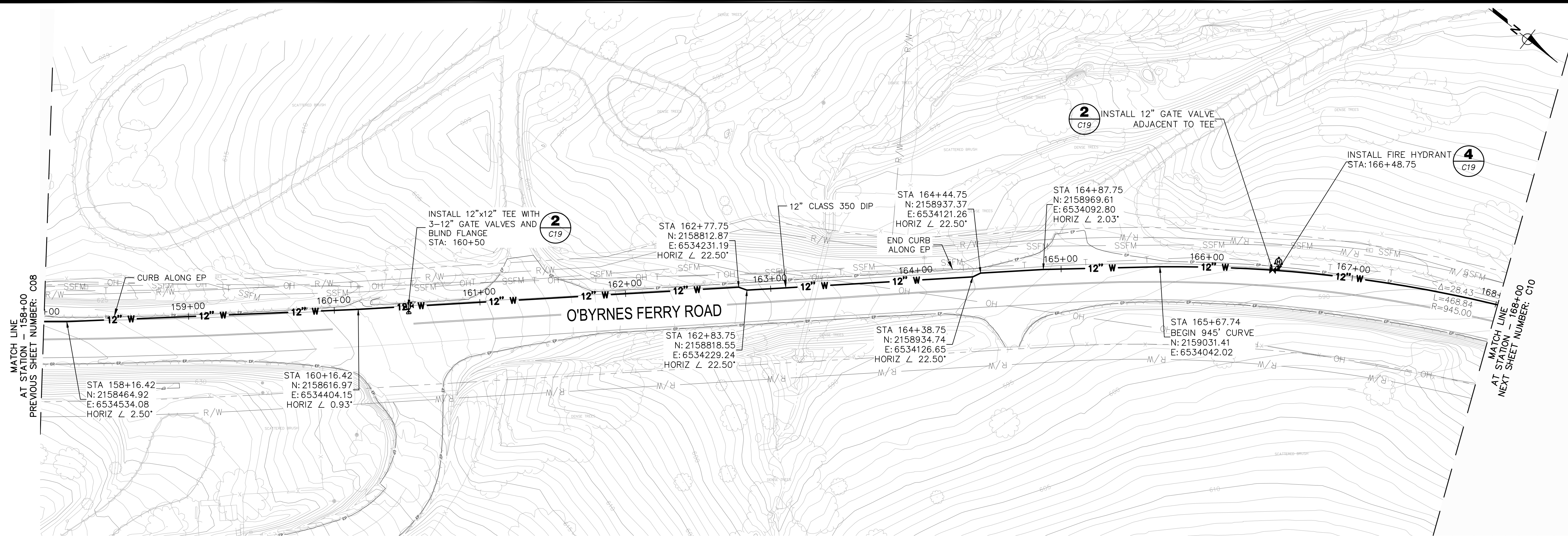
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DATE: MAY 2026	DESIGNED AAS DRAWN LAH/DG CHECKED KBB



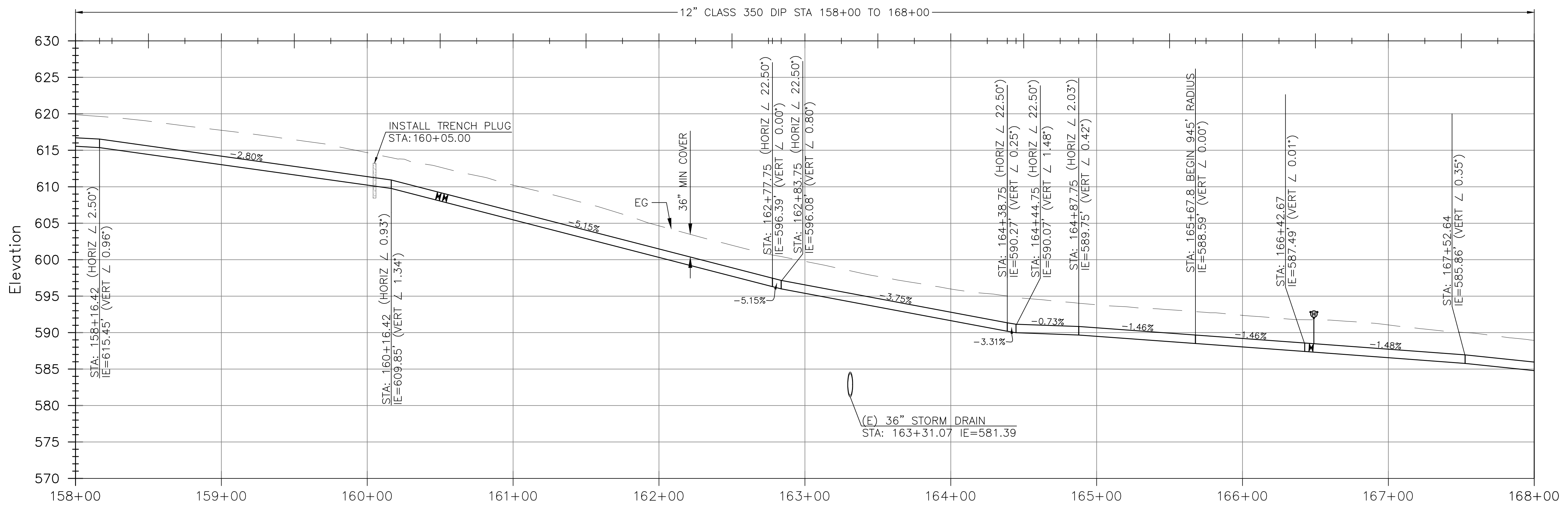
COPPER COVE WATER SYSTEM IMPROVEMENTS PROJECT - LAKE TULLOCH INTER-TIE  
PLAN AND PROFILE  
STA 148+00 TO 158+00

FIGURE  
C08  
SHEET 10 OF 29

P:\CCWD\Copper Cove Water System Improvements\05 Drawings\5.1 CAD\Lake Tulloch InterTie\Tulloch InterTie (2023) - Civil.dwg 5-28-26 03:57:16 PM aazevedo



PIPELINE PLAN  
HORIZ SCALE: 1"=40'



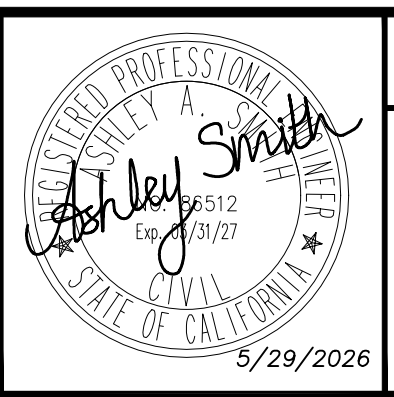
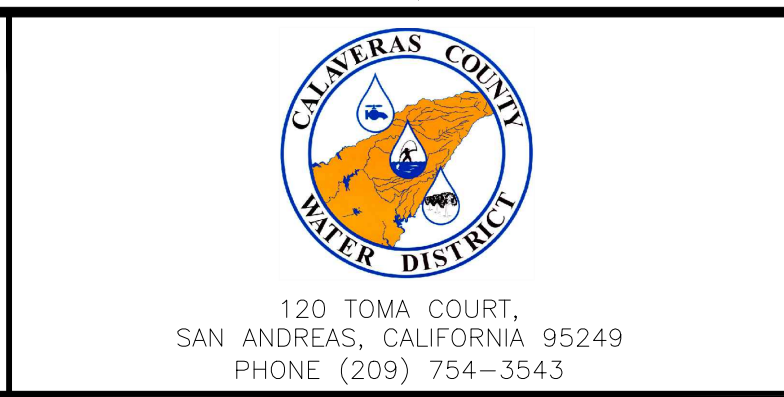
PIPELINE PROFILE  
HORIZ SCALE: 1"=40' | VERT SCALE: 1"=8'

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REV	DATE	BY	DESCRIPTION

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DATE: MAY 2026	

DESIGNED AAS
DRAWN LAH/DG
CHECKED KBB



COPPER COVE WATER SYSTEM IMPROVEMENTS PROJECT - LAKE TULLOCH INTER-TIE

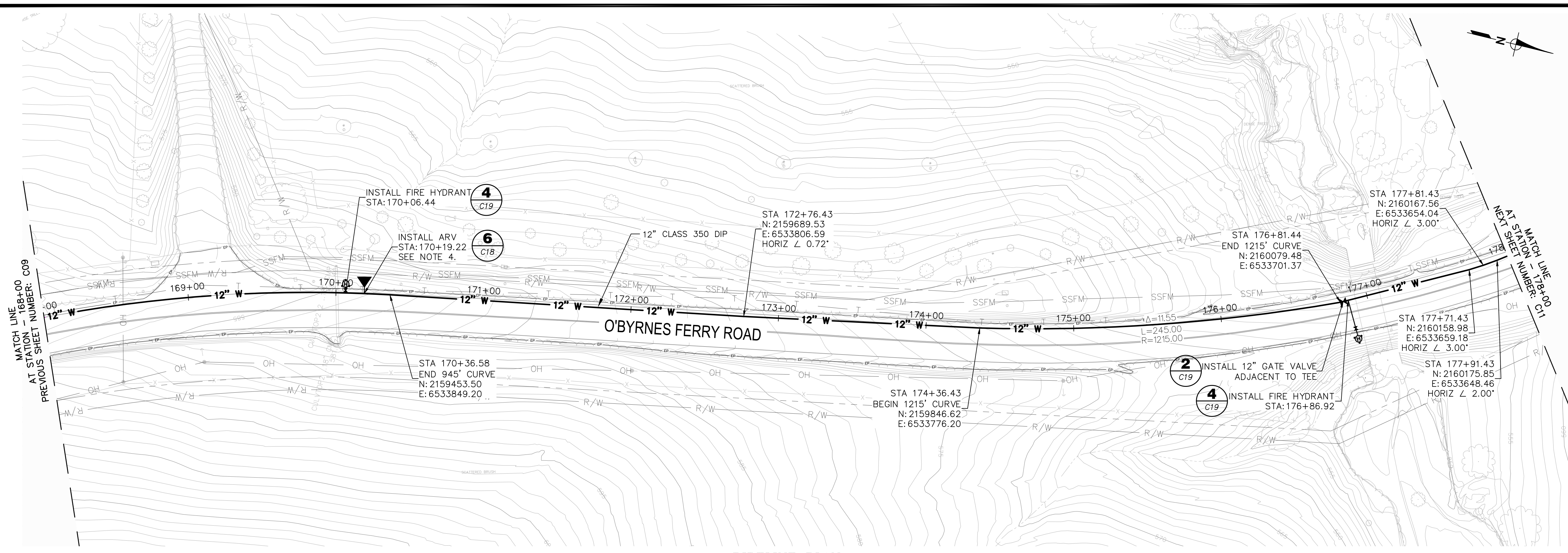
PLAN AND PROFILE  
STA 158+00 TO 168+00

**BID SET**

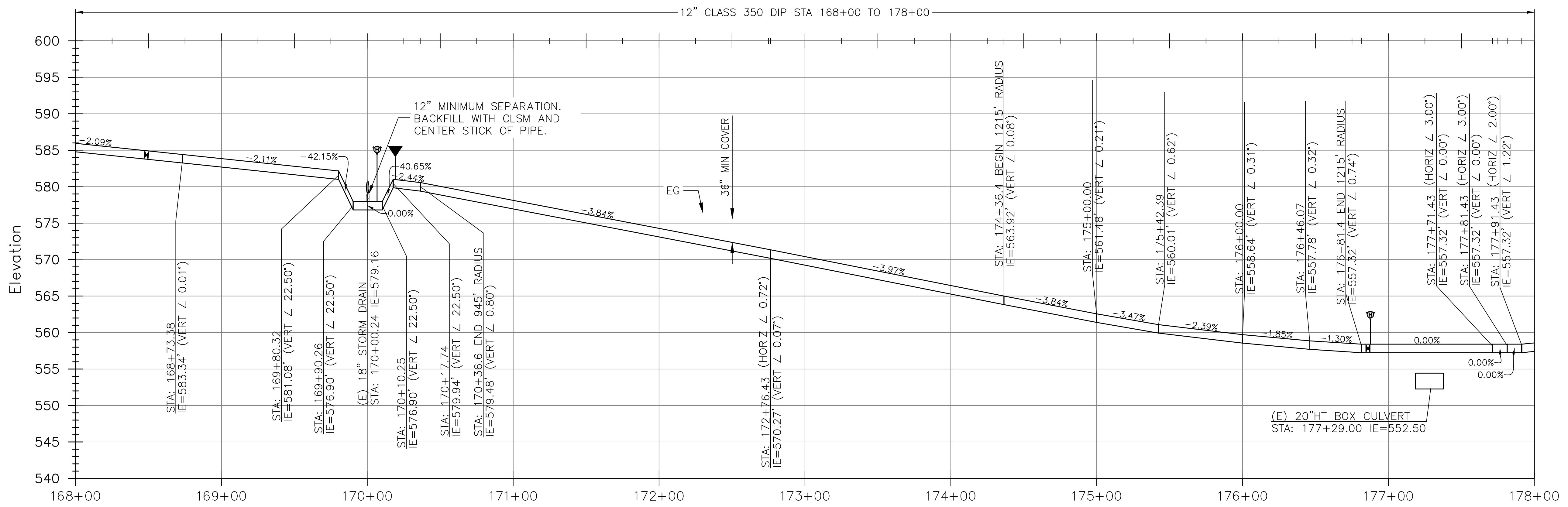
FIGURE  
**C09**

SHEET 11 OF 29

- NOTES:
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PIPELINE PLAN  
HORIZ SCALE: 1"=40'



PIPELINE PROFILE  
HORIZ SCALE: 1"=40' | VERT SCALE: 1"=8'

P:\CCWD\Copper Cove Water System Improvements\05 Drawings\5.1 CAD\Lake Tulloch InterTie\Tulloch InterTie (2023) - Civil.dwg 5-29-26 02:10:02 PM aazevedo

REV	DATE	BY	DESCRIPTION

SCALE: AS NOTED	WARNING IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.
DATE: MAY 2026	DESIGNED: AAS DRAWN: LAH/DG CHECKED: KBB

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80 Blue Ravine Rd. Suite 280  
Folsom, CA 95630  
PH. 916-608-2212

5/29/2026

COPPER COVE WATER SYSTEM IMPROVEMENTS PROJECT - LAKE TULLOCH INTER-TIE

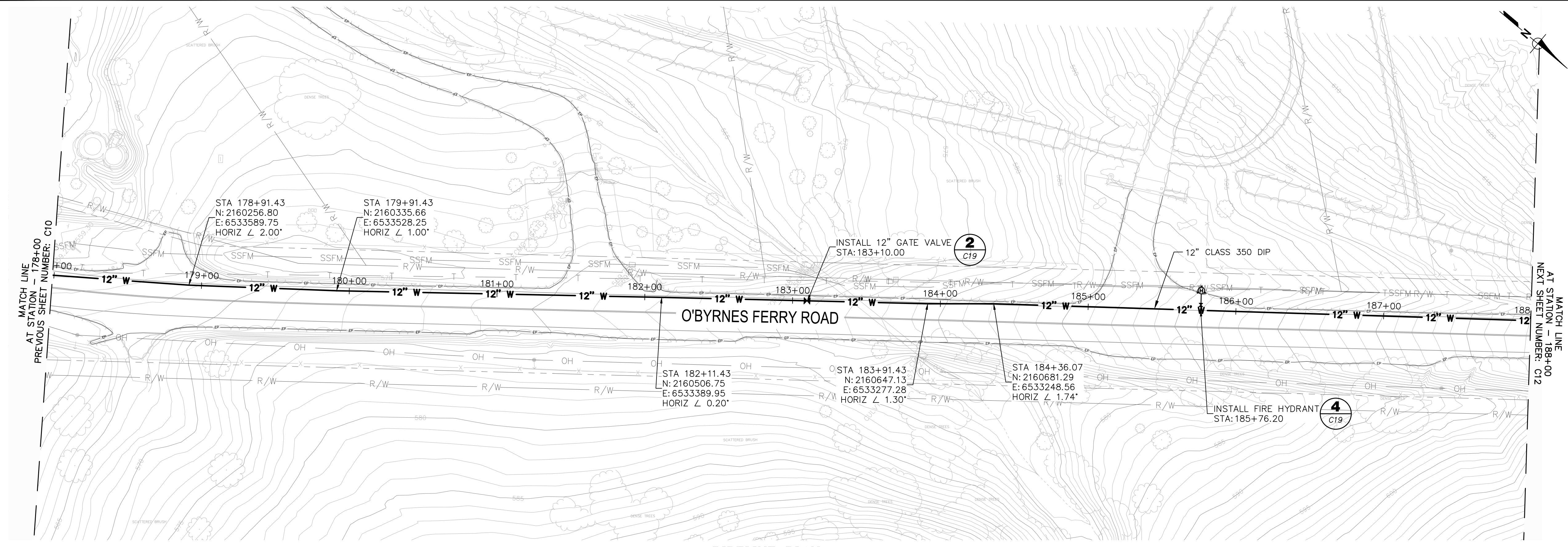
PLAN AND PROFILE  
STA 168+00 TO 178+00

**BID SET**

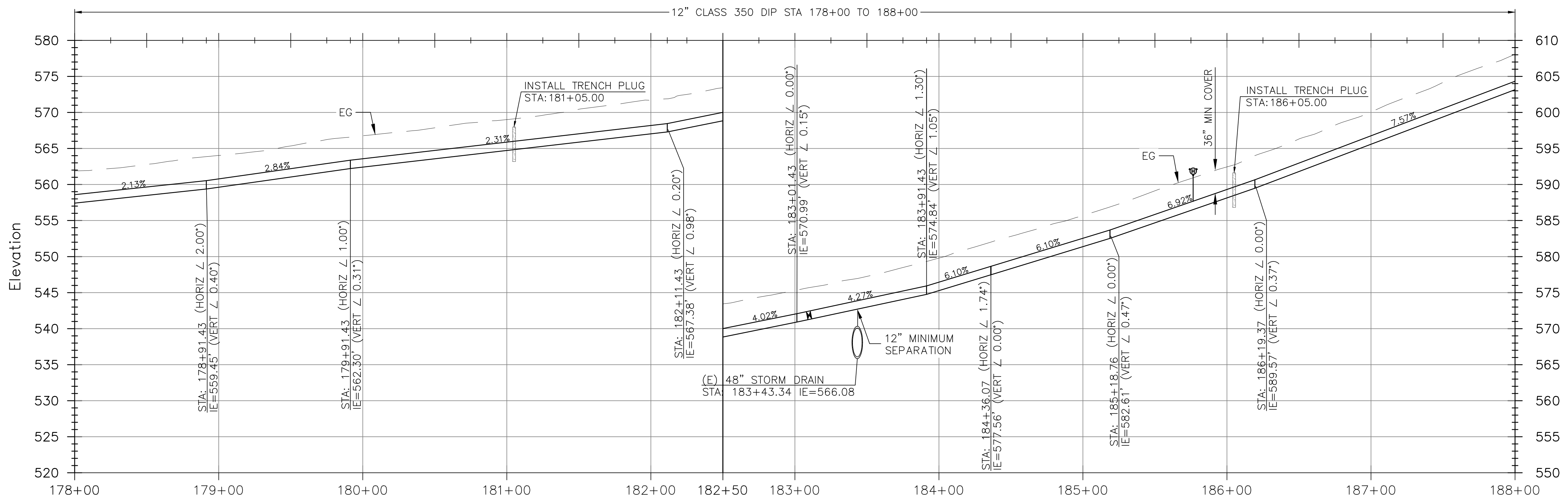
FIGURE  
**C10**

SHEET 12 OF 29

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PIPELINE PLAN  
HORIZ SCALE: 1"=40'

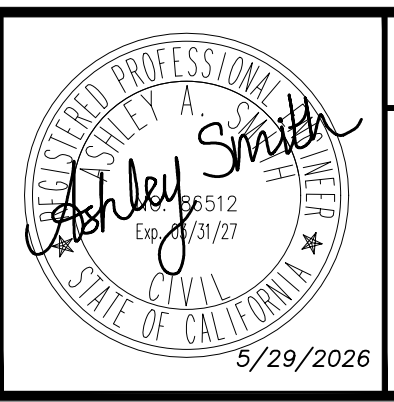
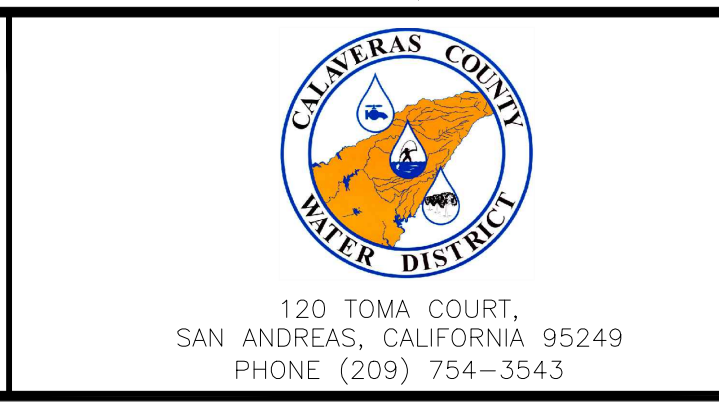


PIPELINE PROFILE  
HORIZ SCALE: 1"=40' | VERT SCALE: 1"=8'

P:\CCWD\Copper Cove Water System Improvements\05 Drawings\5.1 CAD\Lake Tulloch InterTie\Tulloch InterTie (2023) 5-28-26 03:57:39 PM aazevedo

REV	DATE	BY	DESCRIPTION

SCALE: AS NOTED	WARNING IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.
DATE: MAY 2026	DESIGNED: AAS DRAWN: LAH/DG CHECKED: KBB



COPPER COVE WATER SYSTEM IMPROVEMENTS PROJECT - LAKE TULLOCH INTER-TIE

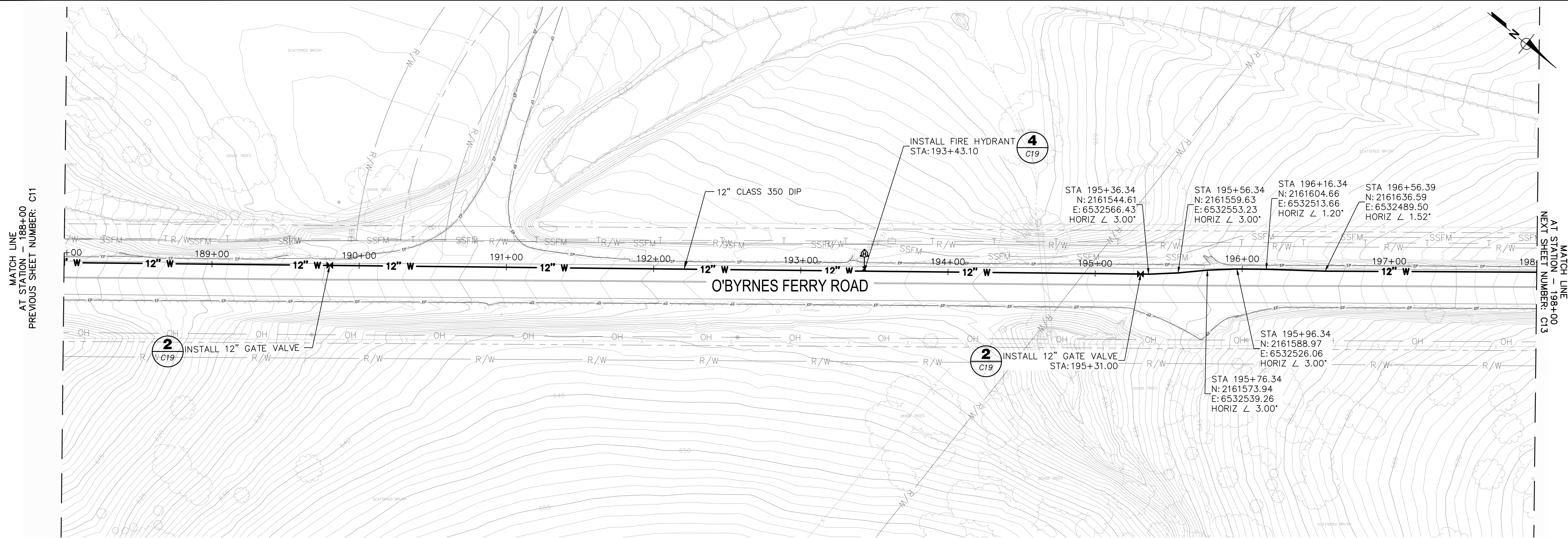
PLAN AND PROFILE  
STA 178+00 TO 188+00

**BID SET**

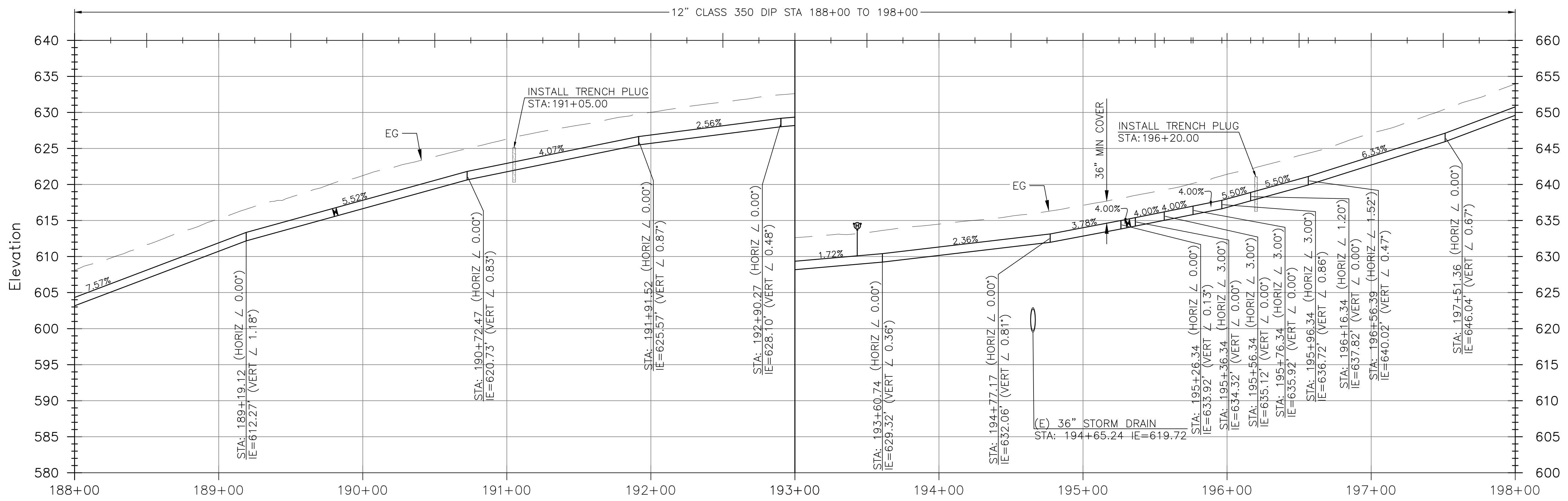
FIGURE  
**C11**

SHEET 13 OF 29

P:\CCWD\Copper Cove Water System Improvements\05 Drawings\5.1 CAD\Lake Tulloch InterTie\Tulloch InterTie (2023) 5-28-26 03:57:51 PM aazevedo



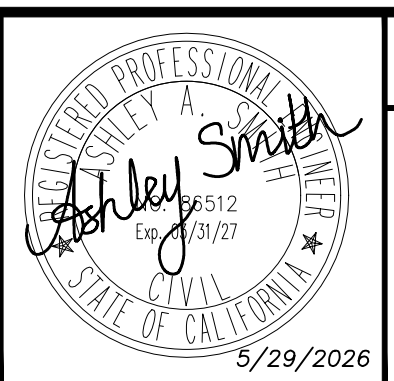
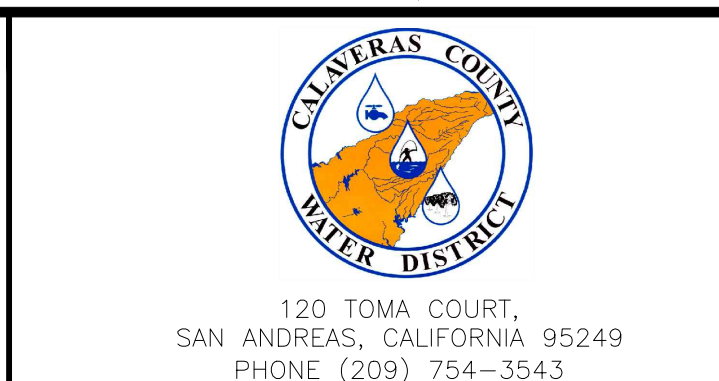
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REV	DATE	BY	DESCRIPTION

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DATE: MAY 2026	

DESIGNED: AAS	DRAWN: LAH/DG	CHECKED: KBB
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COPPER COVE WATER SYSTEM IMPROVEMENTS PROJECT - LAKE TULLOCH INTER-TIE

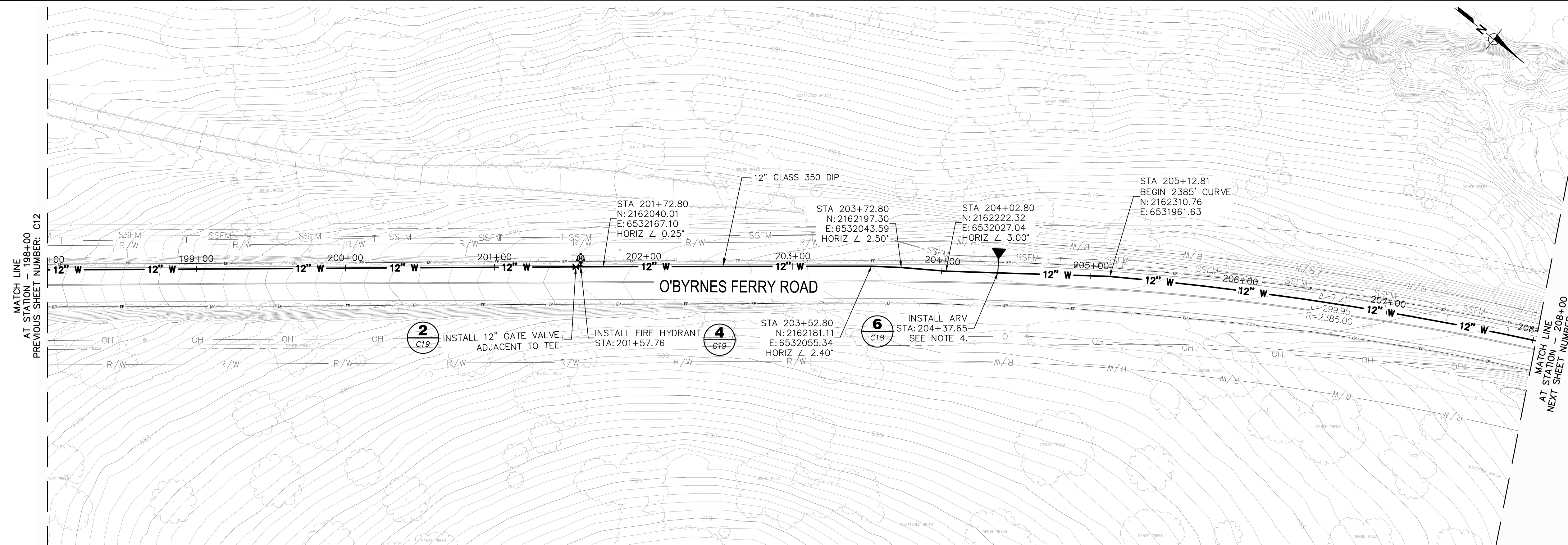
PLAN AND PROFILE  
STA 188+00 TO 198+00

**BID SET**

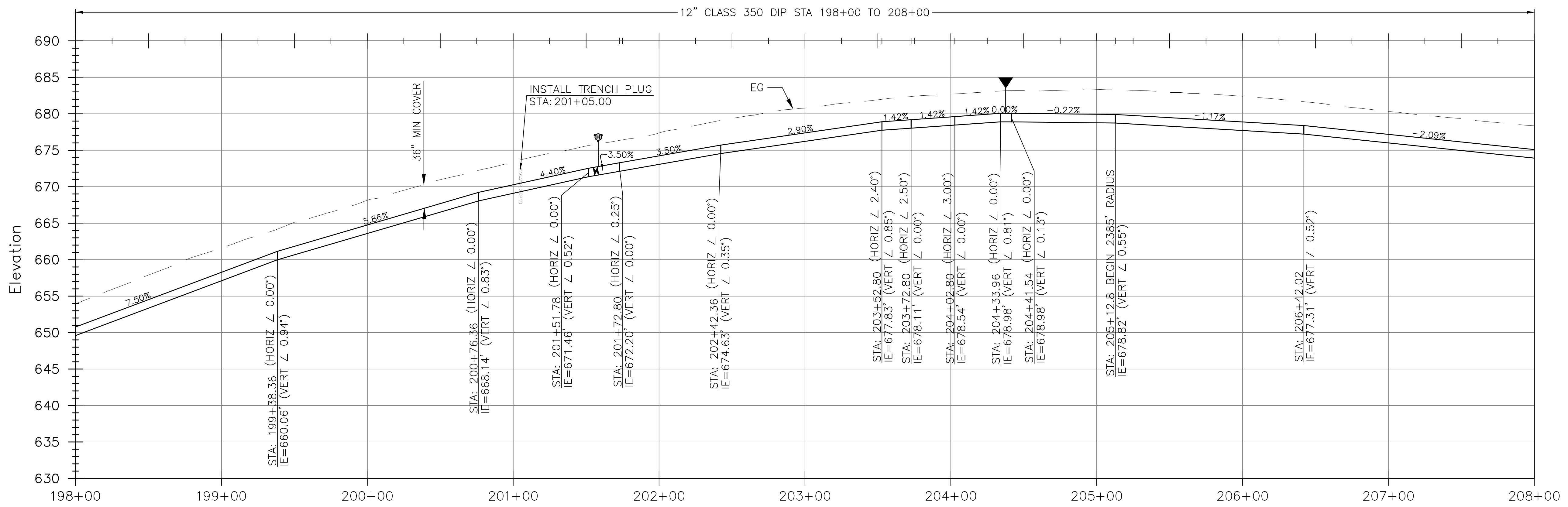
FIGURE  
**C12**

SHEET 14 OF 29

P:\CCWD\Copper Cove Water System Improvements\05 Drawings\5.1 CAD\Lake Tulloch InterTie\Tulloch InterTie (2023) - Civil.dwg 5-28-26 03:58:02 PM aazevedo

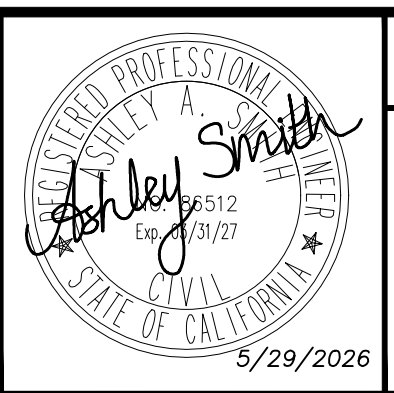


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DATE: MAY 2026	DESIGNED: AAS DRAWN: LAH/DG CHECKED: KBB



COPPER COVE WATER SYSTEM IMPROVEMENTS PROJECT - LAKE TULLOCH INTER-TIE

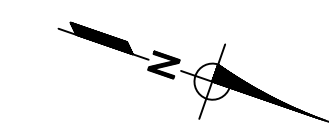
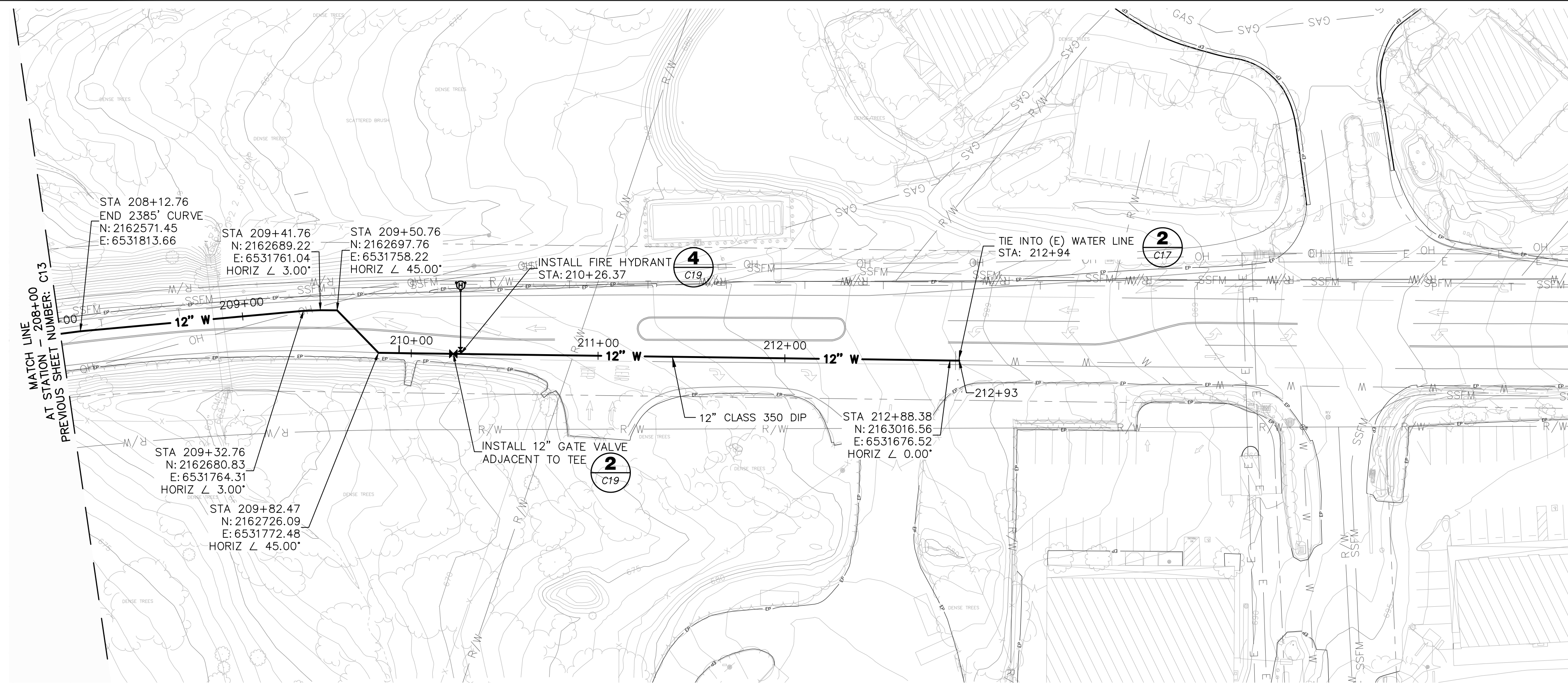
PLAN AND PROFILE  
STA 198+00 TO 208+00

**BID SET**

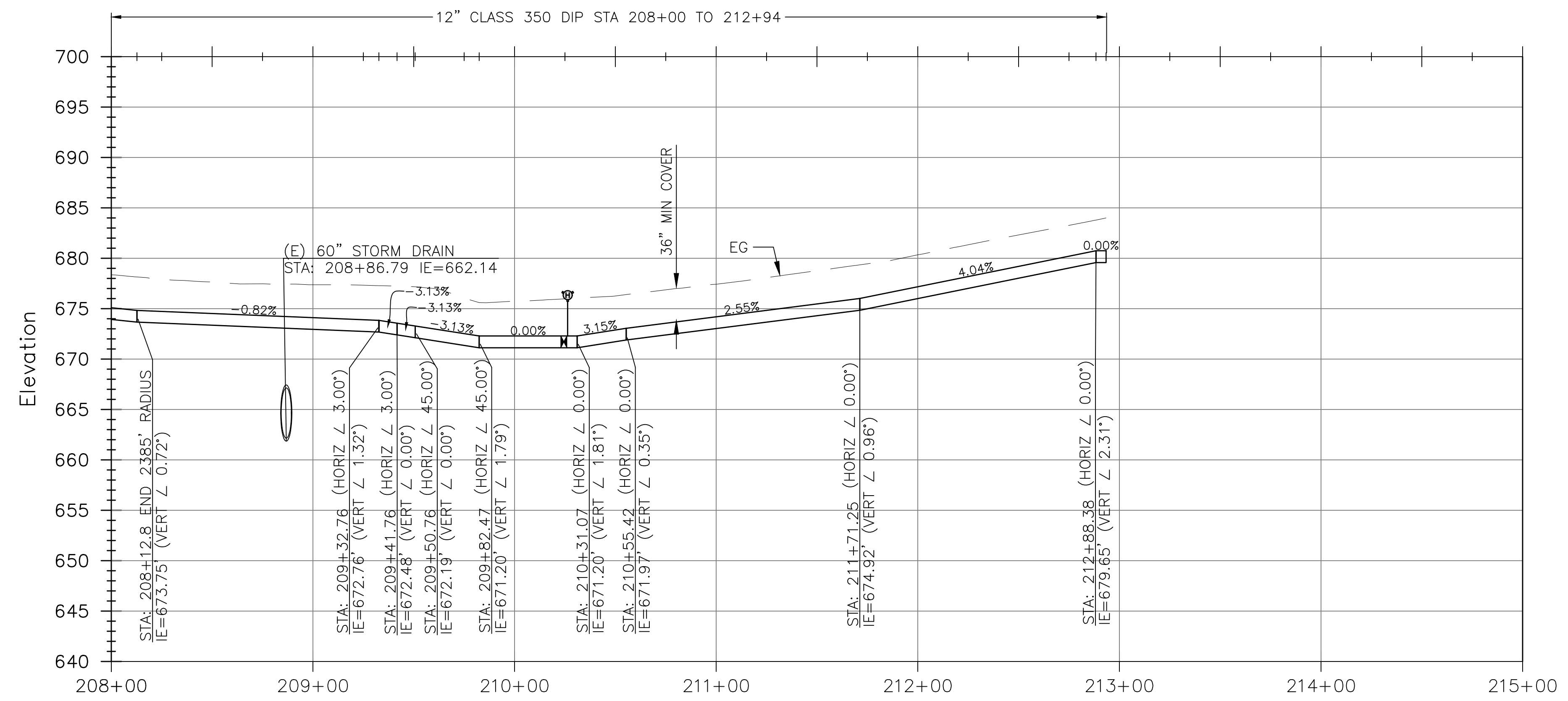
FIGURE  
**C13**

SHEET 15 OF 29

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PHONE (209) 754-3543

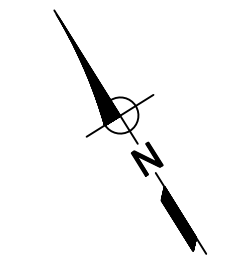
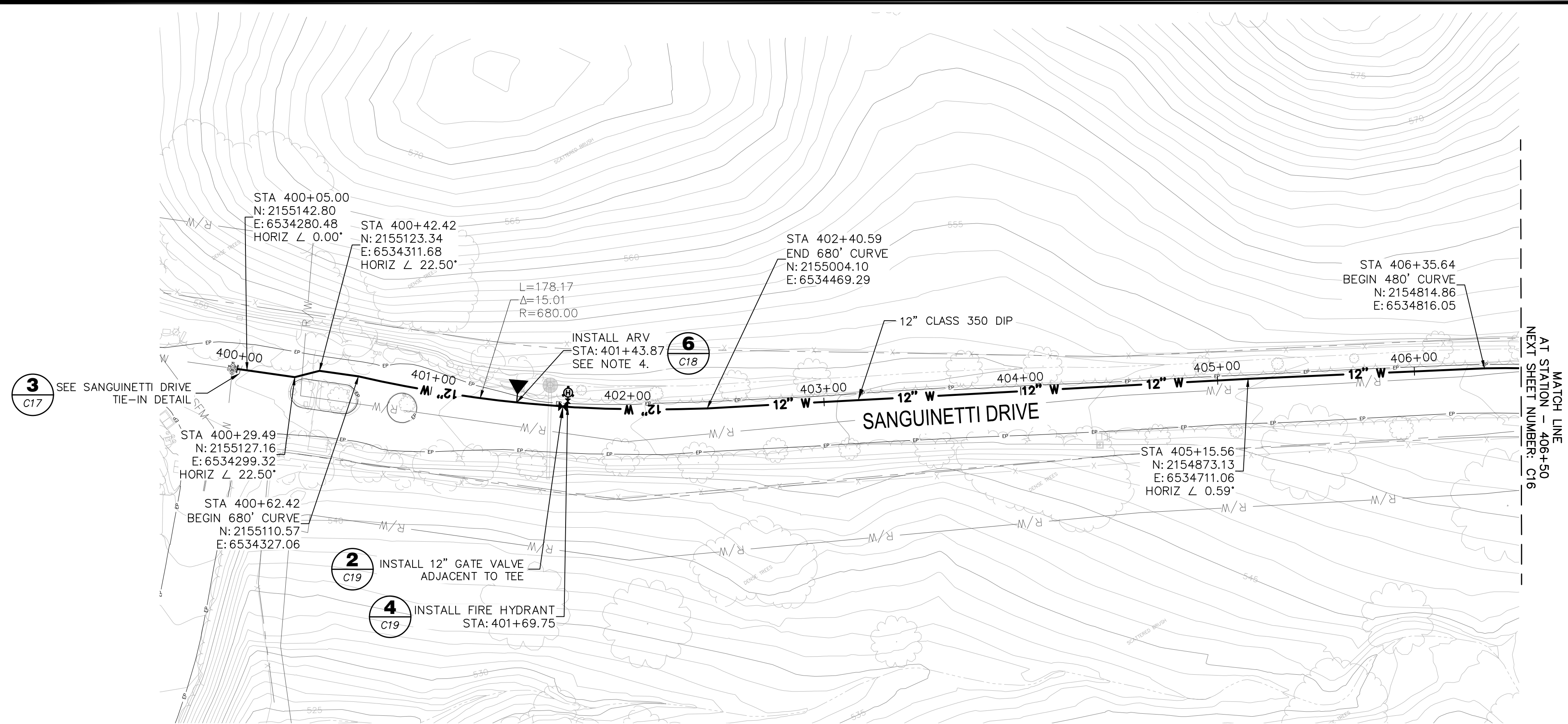
**verdantas**  
80 Blue Ravine Rd. Suite 280  
Folsom, CA 95630  
PH. 916-608-2212

REGISTERED PROFESSIONAL ENGINEER  
ASHLEY SMITH  
No. 95512  
Exp. 12/31/27  
STATE OF CALIFORNIA  
5/29/2026

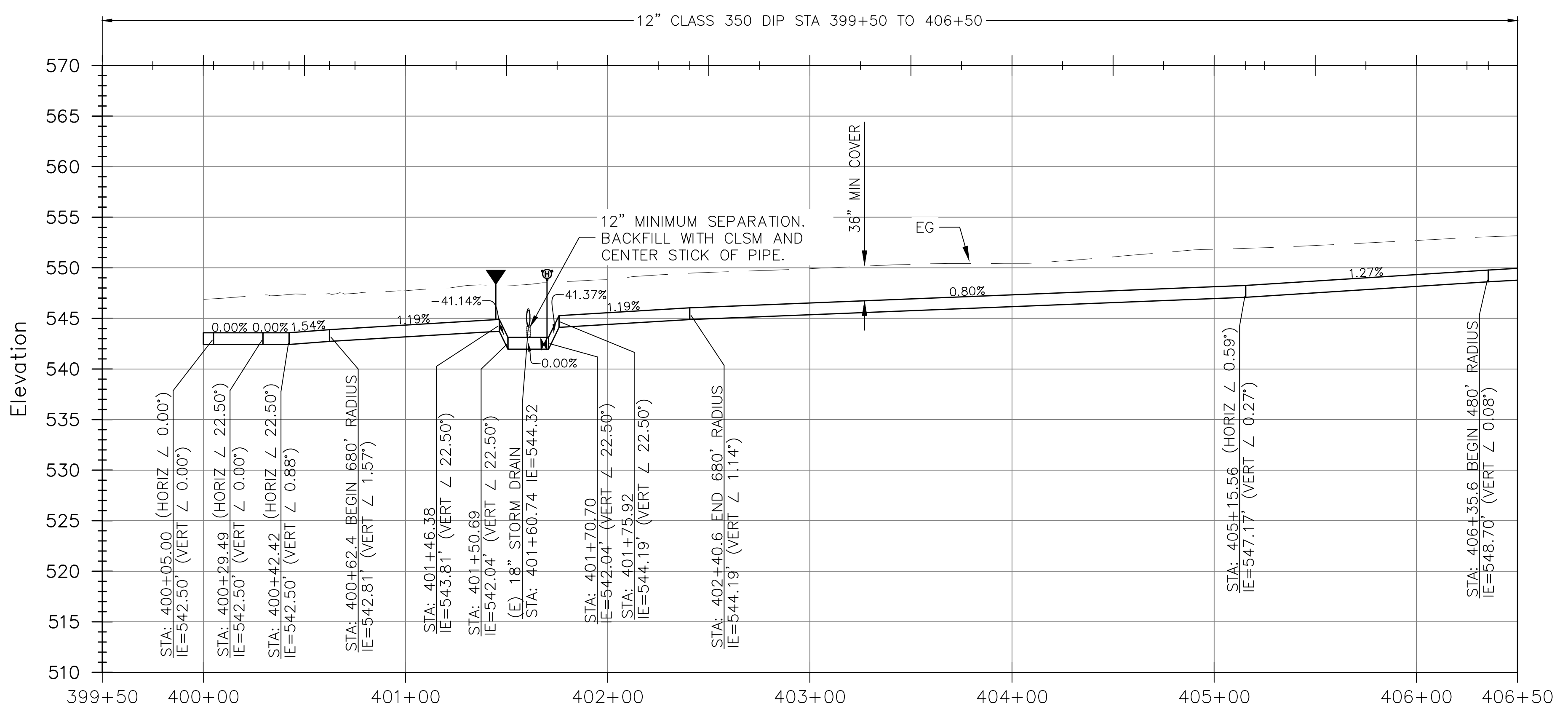
COPPER COVE WATER SYSTEM IMPROVEMENTS PROJECT - LAKE TULLOCH INTER-TIE  
PLAN AND PROFILE  
STA 208+00 TO 213+00

**BID SET**  
FIGURE  
**C14**  
SHEET 16 OF 29

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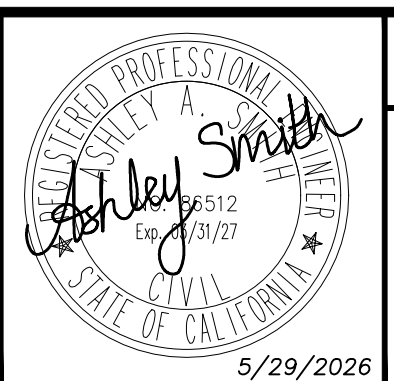
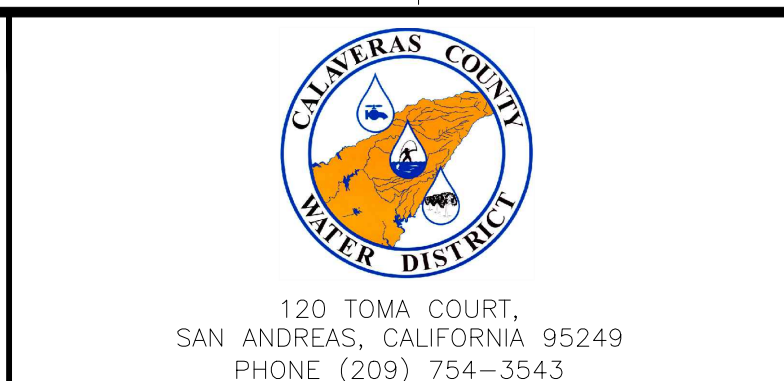
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**BID SET**

REV	DATE	BY	DESCRIPTION

SCALE: AS NOTED	WARNING 0 1/2 1 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.
DATE: MAY 2026	DESIGNED: AAS DRAWN: LAH/DG CHECKED: KBB

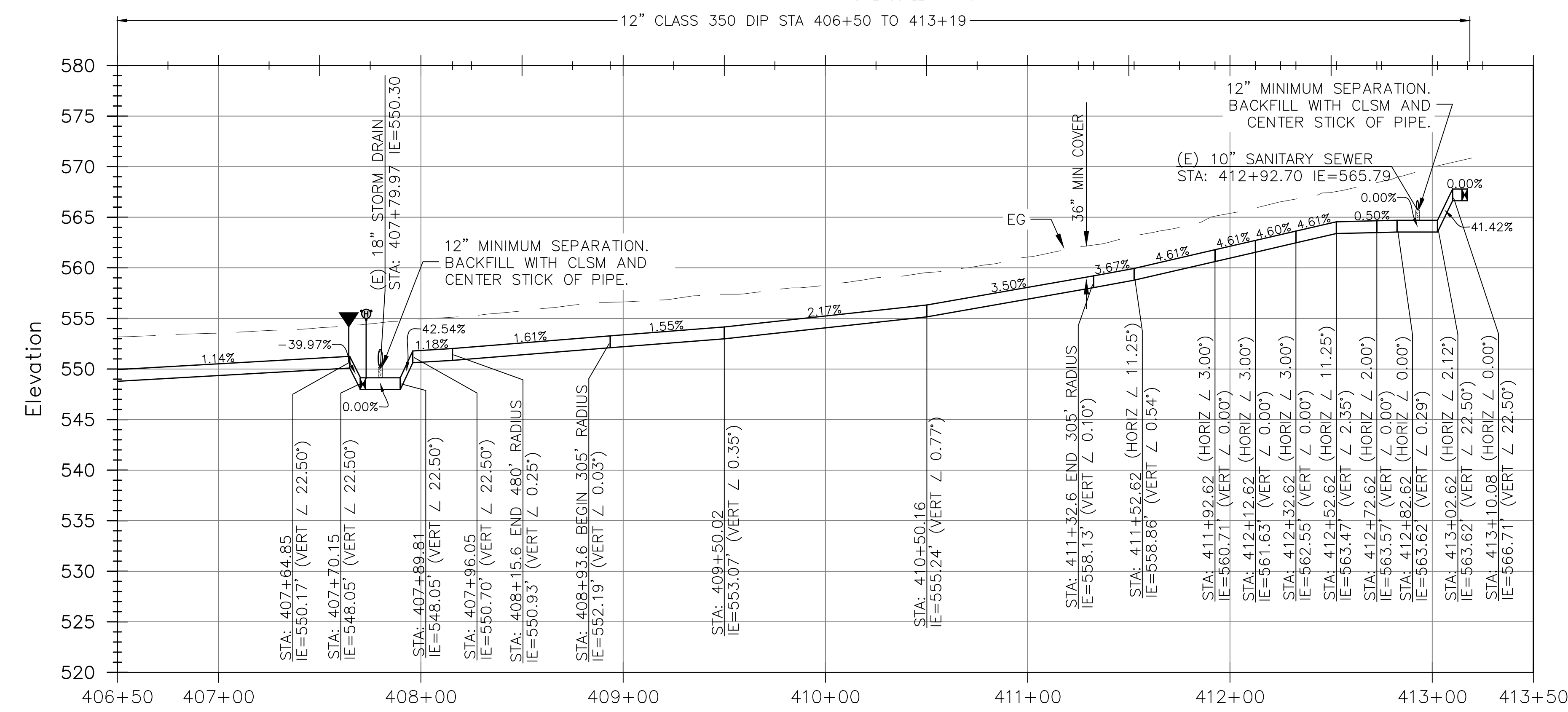
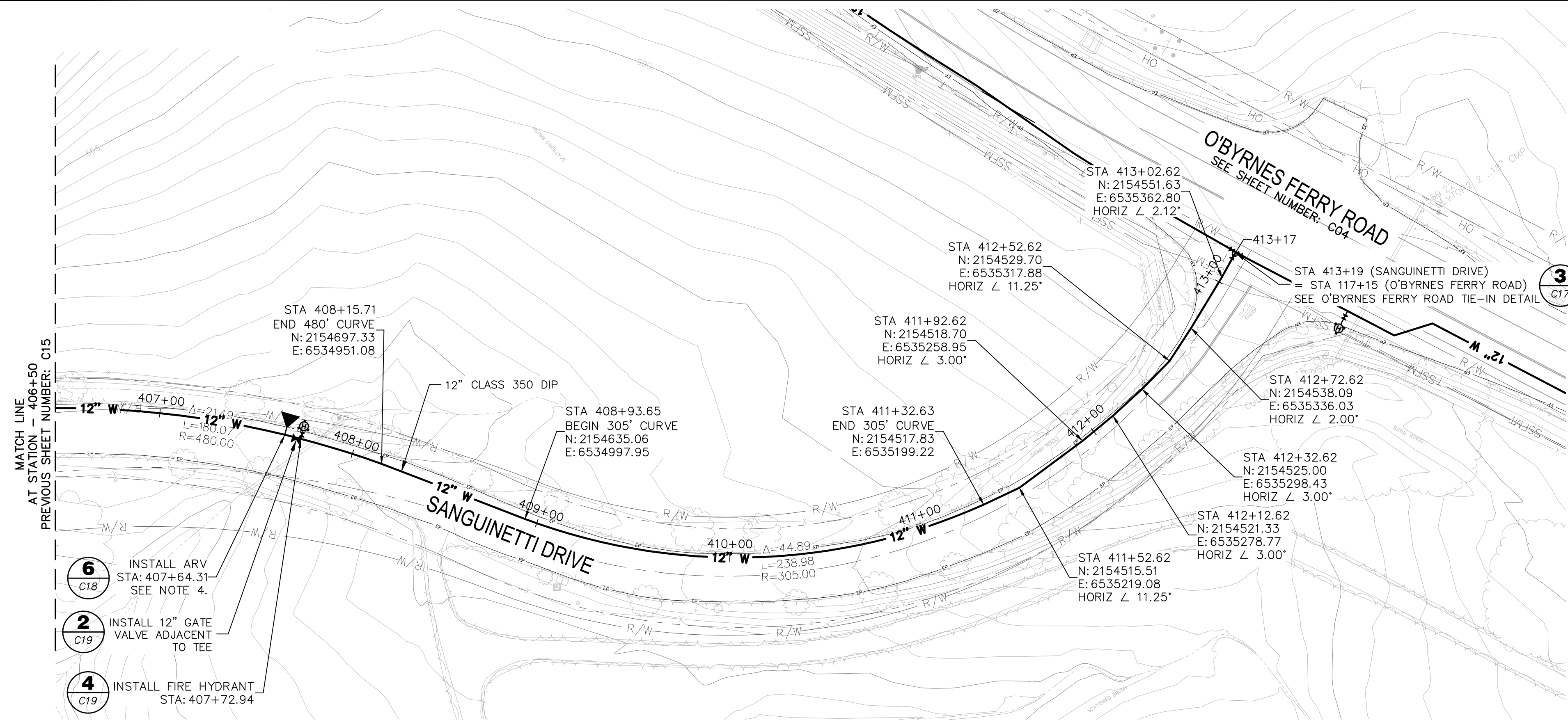


COPPER COVE WATER SYSTEM IMPROVEMENTS PROJECT - LAKE TULLOCH INTER-TIE

PLAN AND PROFILE  
STA 400+00 TO 406+50

FIGURE  
**C15**  
SHEET 17 OF 29

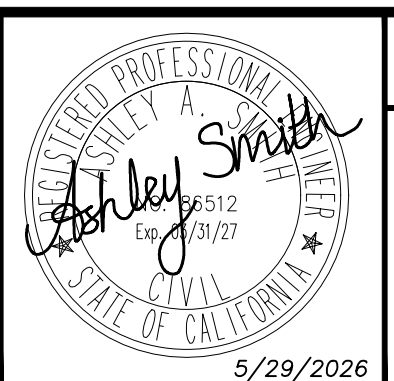
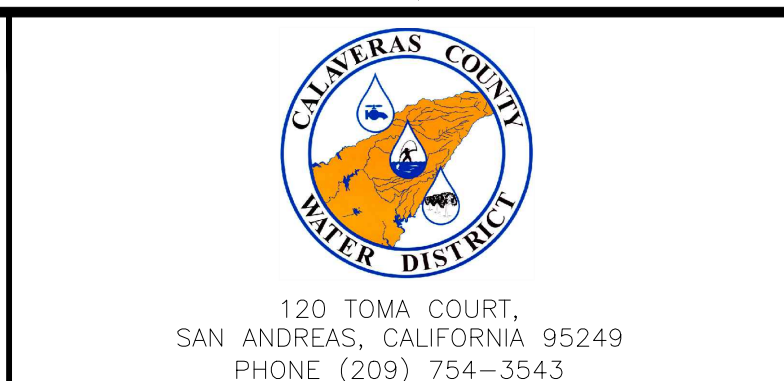
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COPPER COVE WATER SYSTEM IMPROVEMENTS PROJECT - LAKE TULLOCH INTER-TIE

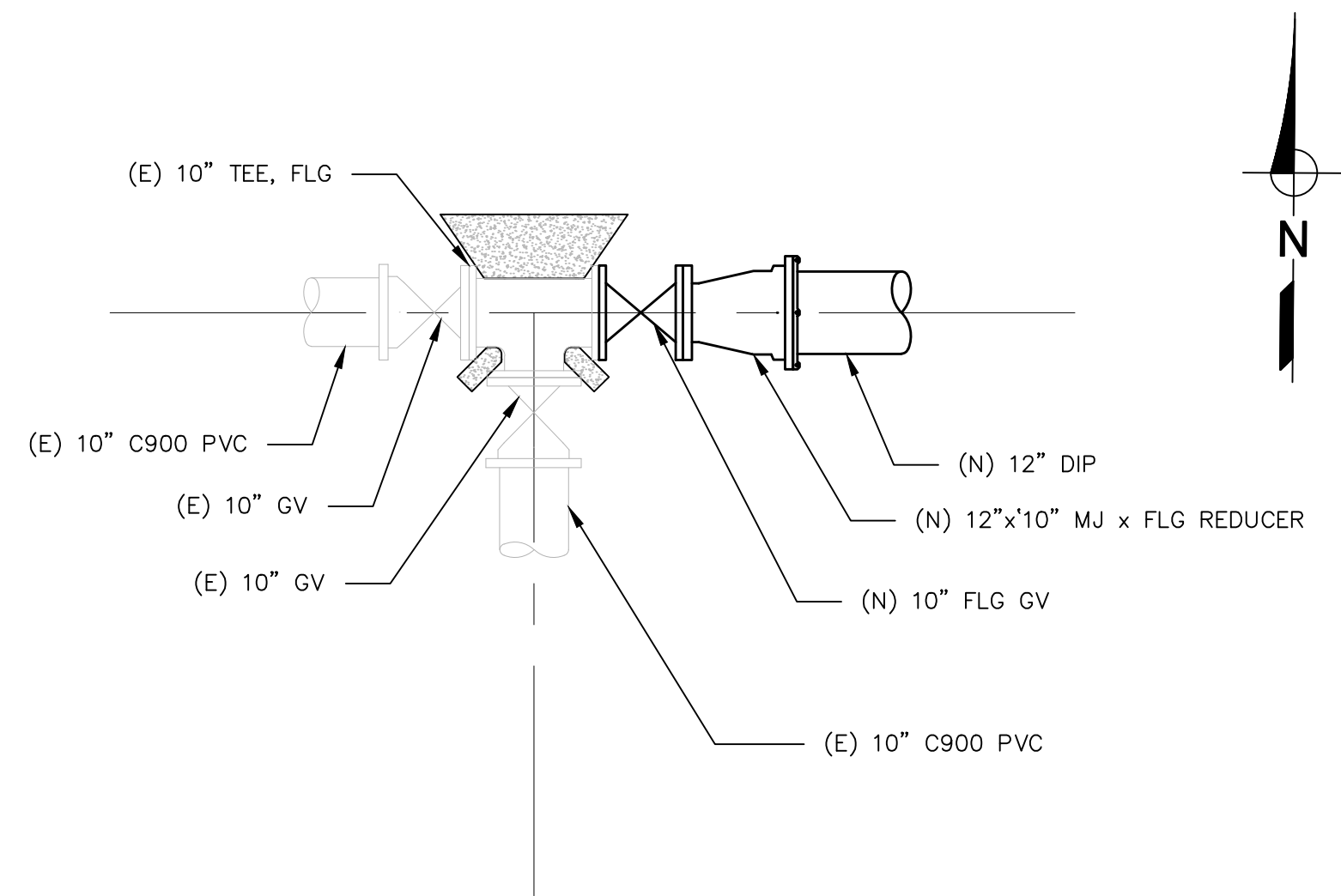
PLAN AND PROFILE  
STA 406+50 TO 413+23

**BID SET**

FIGURE  
**C16**

SHEET 18 OF 29

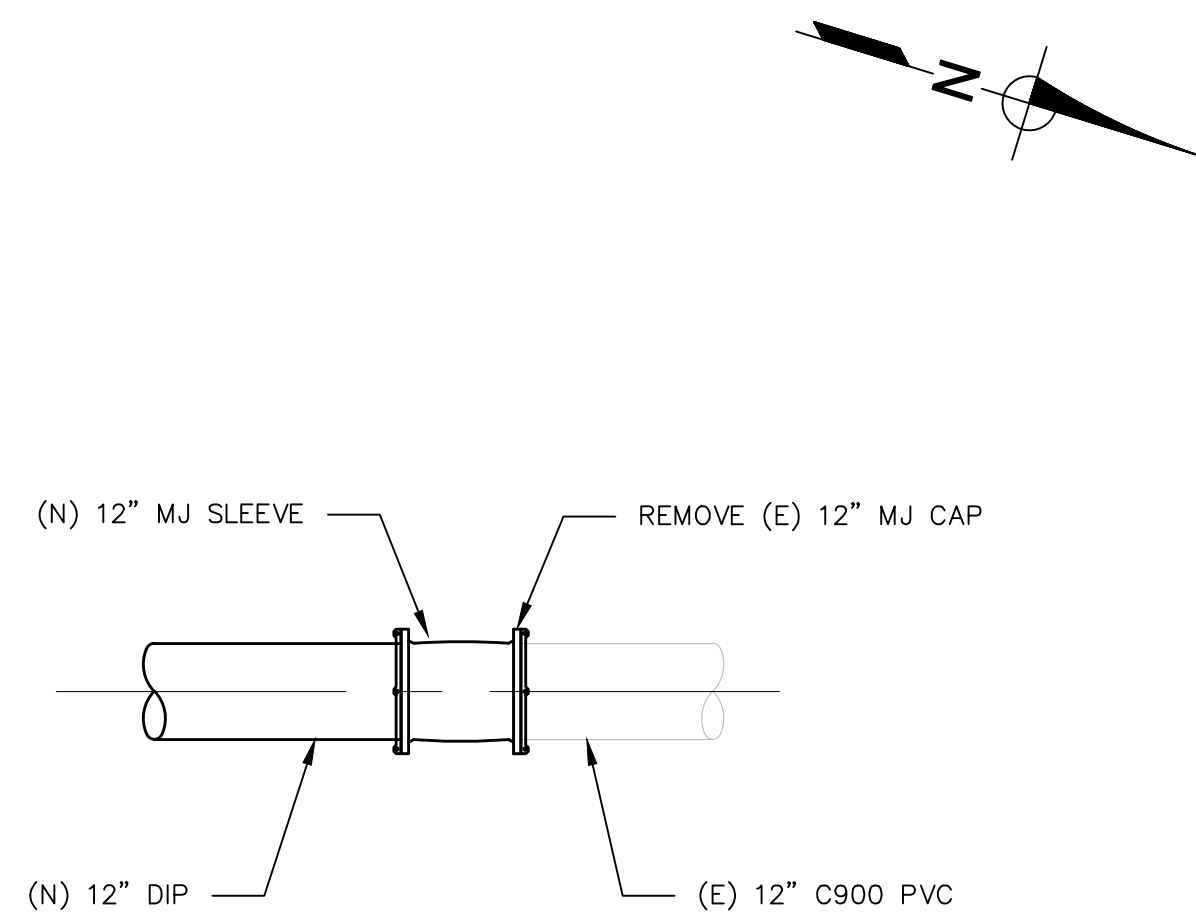
P:\COWD\Copper Cove Water System Improvements\05 Drawings\5.1 CAD\Lake Tulloch Intertie\Lulloch Intertie (2023) - Details.dwg 5-28-26 03:58:50 PM aazevedo



NOTES:

1. CONTRACTOR TO SUBMIT DETAIL TIE-IN PLANS AFTER POTHOLING ELEVATIONS OF EXISTING PIPELINES.
2. ALL PIPE JOINTS TO BE FULLY RESTRAINED.

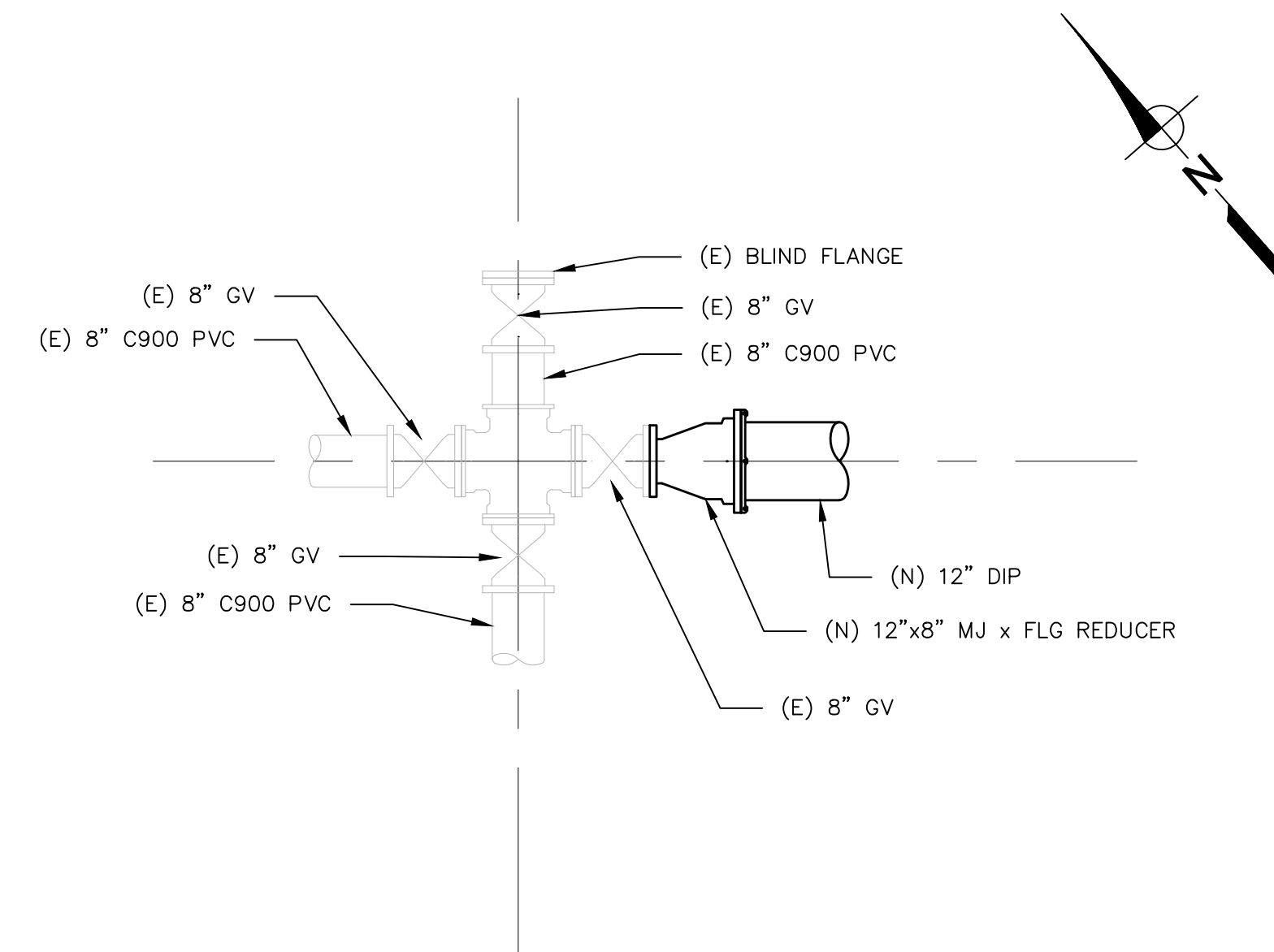
CONNER ESTATES DR TIE-IN **1**  
1"=2' C03



NOTES:

1. CONTRACTOR TO PROVIDE TEMPORARY INLINE BACKFLOW DEVICE THAT WILL BE REMOVED AFTER FINAL ACCEPTANCE OF PIPELINE CONSTRUCTION.
2. CONTRACTOR TO SUBMIT DETAIL TIE-IN PLANS AFTER POTHOLING ELEVATIONS OF EXISTING PIPELINES.
3. ALL PIPE JOINTS TO BE FULLY RESTRAINED.

O'BYRNE'S FERRY RD TIE-IN **2**  
1"=2' C14



NOTES:

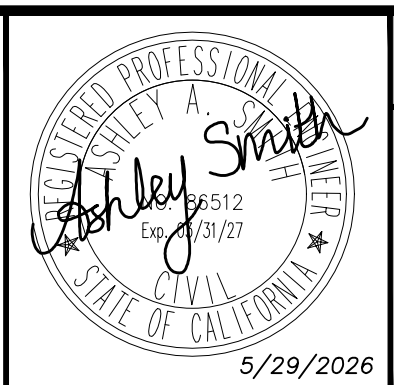
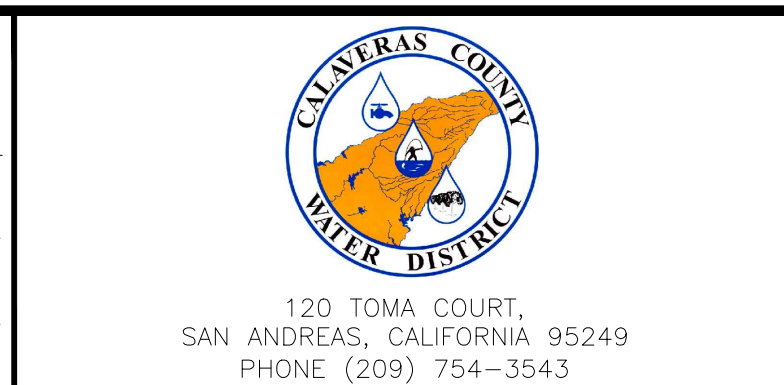
1. CONTRACTOR TO SUBMIT DETAIL TIE-IN PLANS AFTER POTHOLING ELEVATIONS OF EXISTING PIPELINES.
2. ALL PIPE JOINTS TO BE FULLY RESTRAINED.

SANGUINETTI DR TIE-IN **3**  
1"=2' C15

REV	DATE	BY	DESCRIPTION

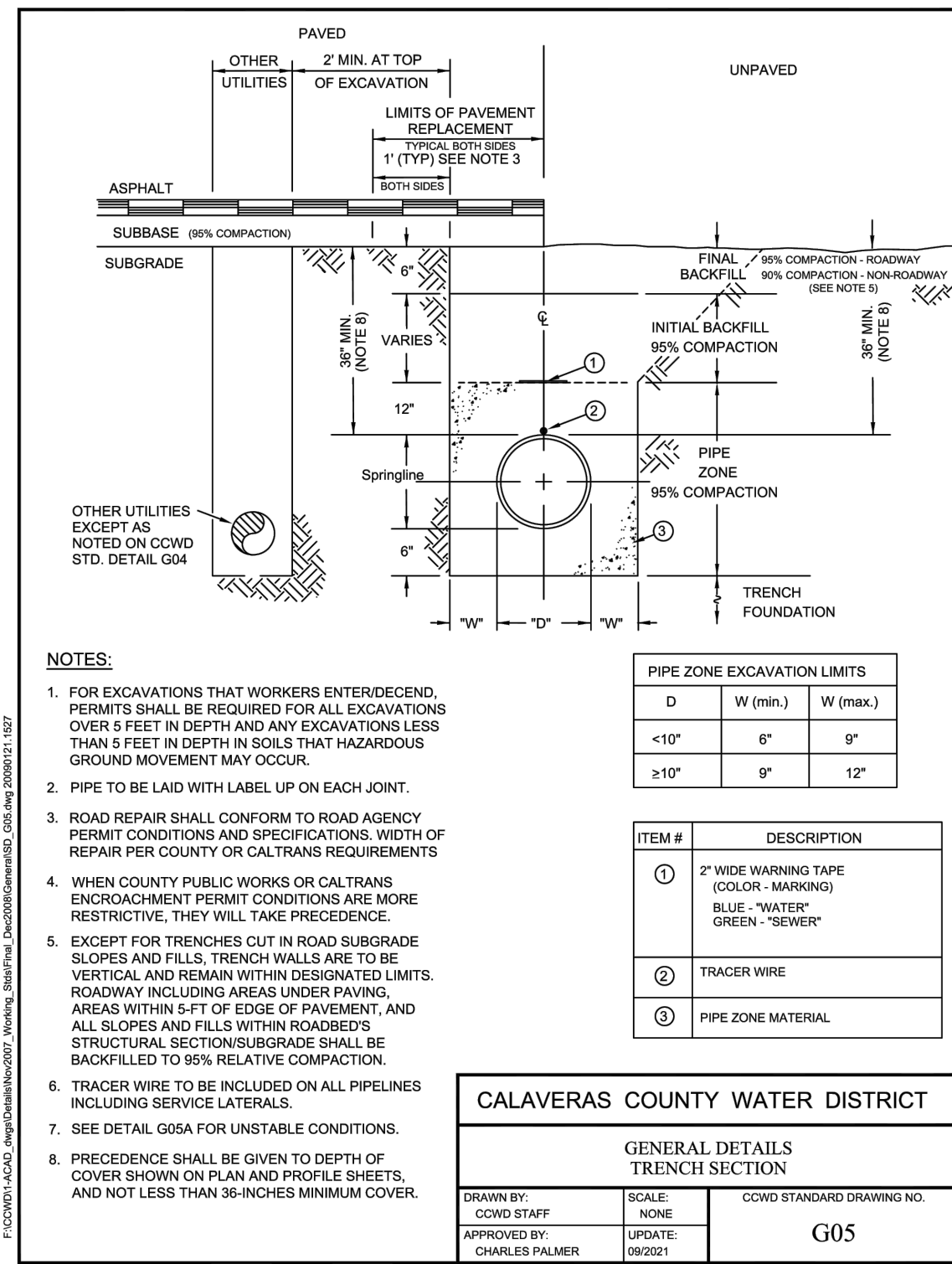
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DATE:	IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.
MAY 2026	

DESIGNED	AAS
DRAWN	LAH/DG
CHECKED	KBB

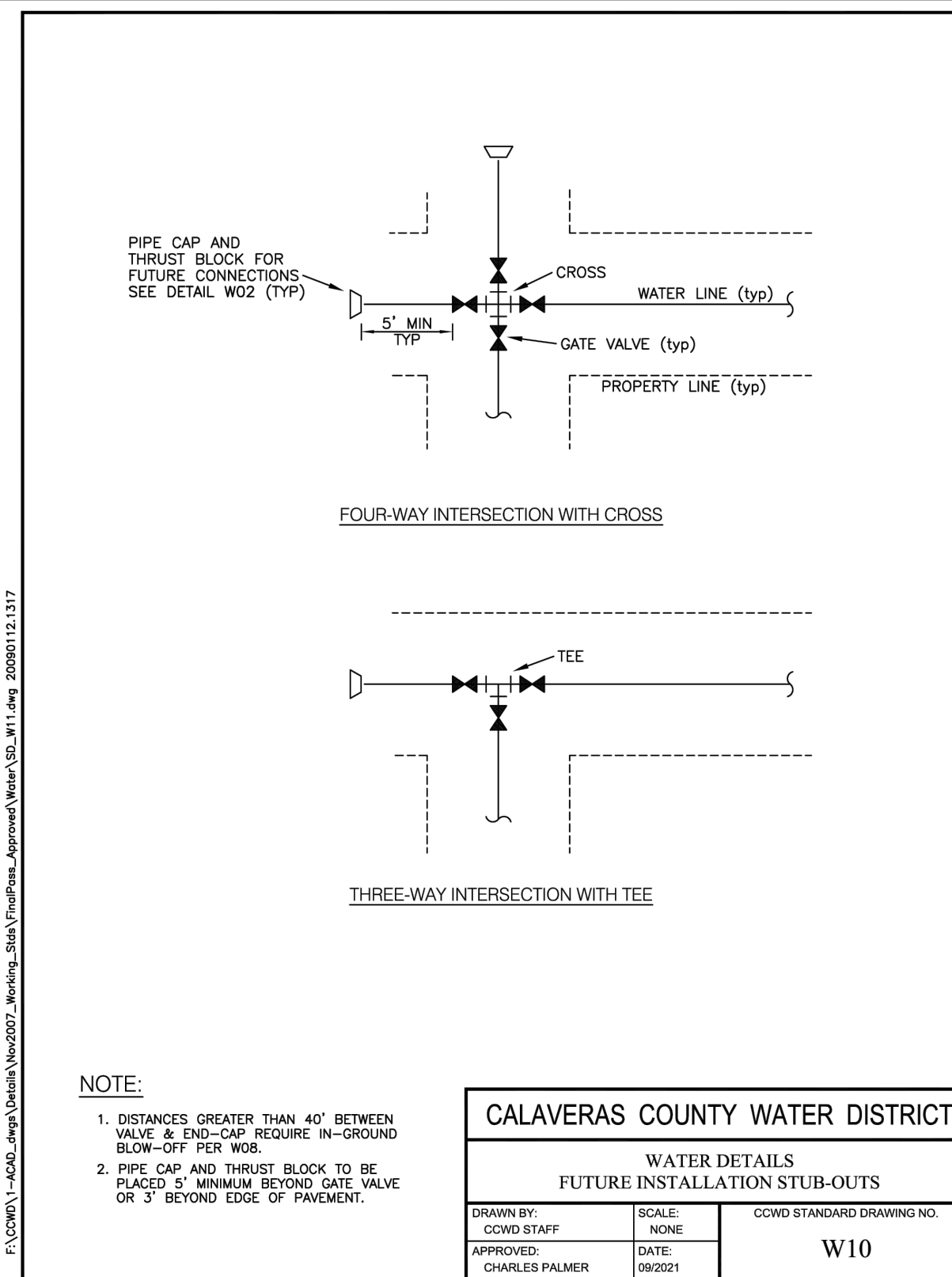


COPPER COVE WATER SYSTEM IMPROVEMENTS PROJECT - LAKE TULLOCH INTER-TIE
TIE-IN AND CROSSING DETAILS

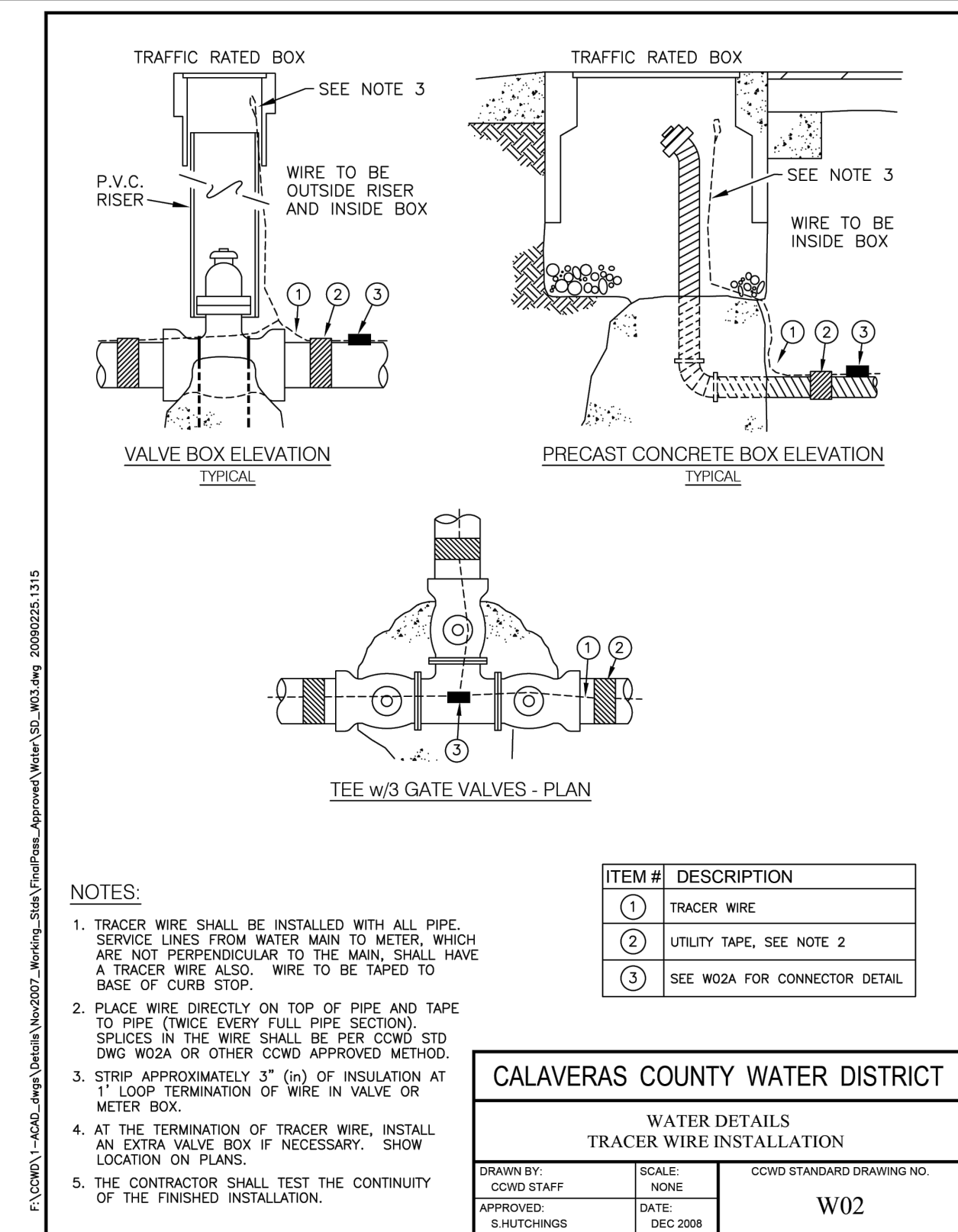
**BID SET**  
FIGURE  
**C17**  
SHEET 19 OF 29



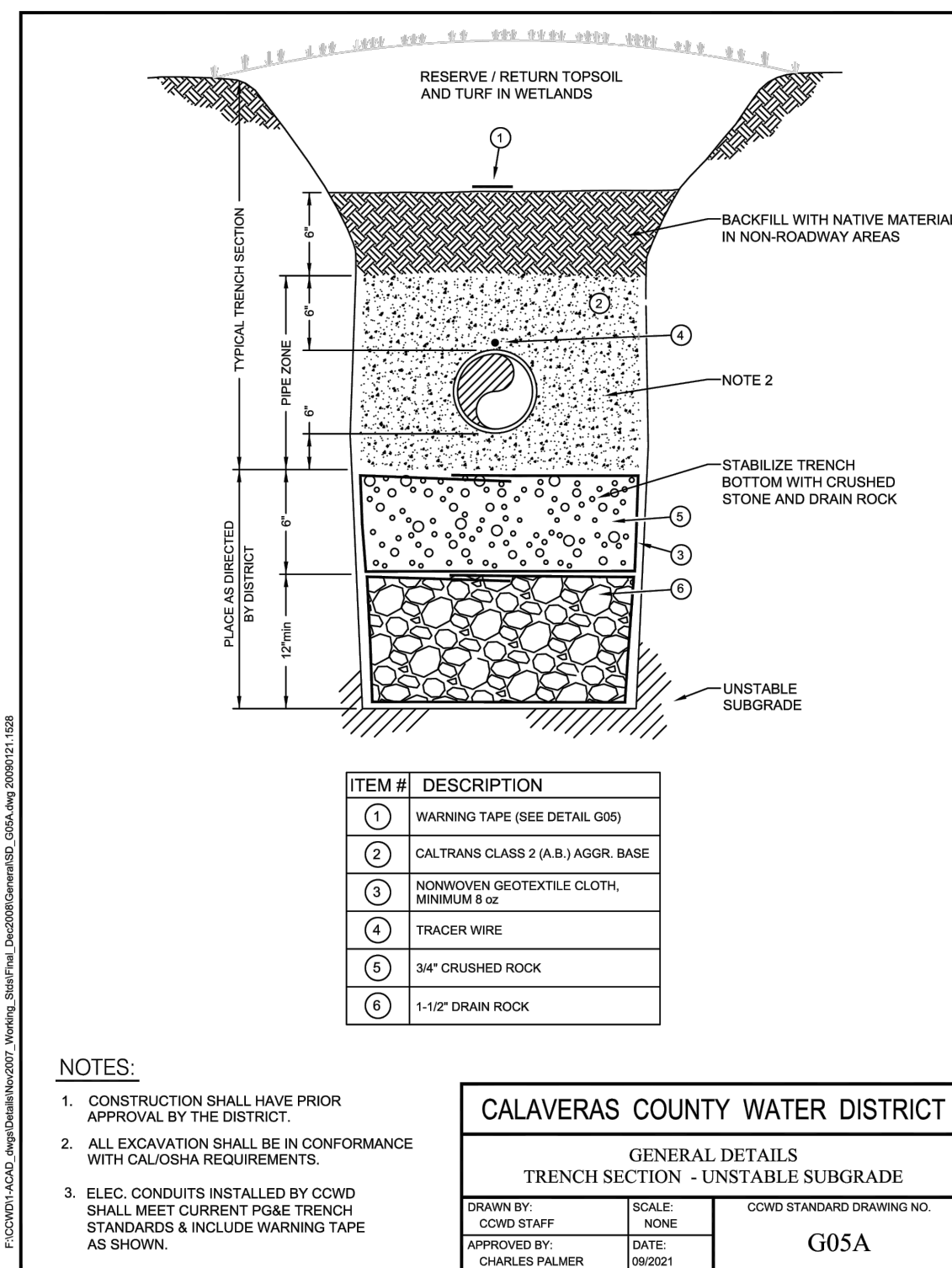
TRENCH SECTIONS **1**  
NTS



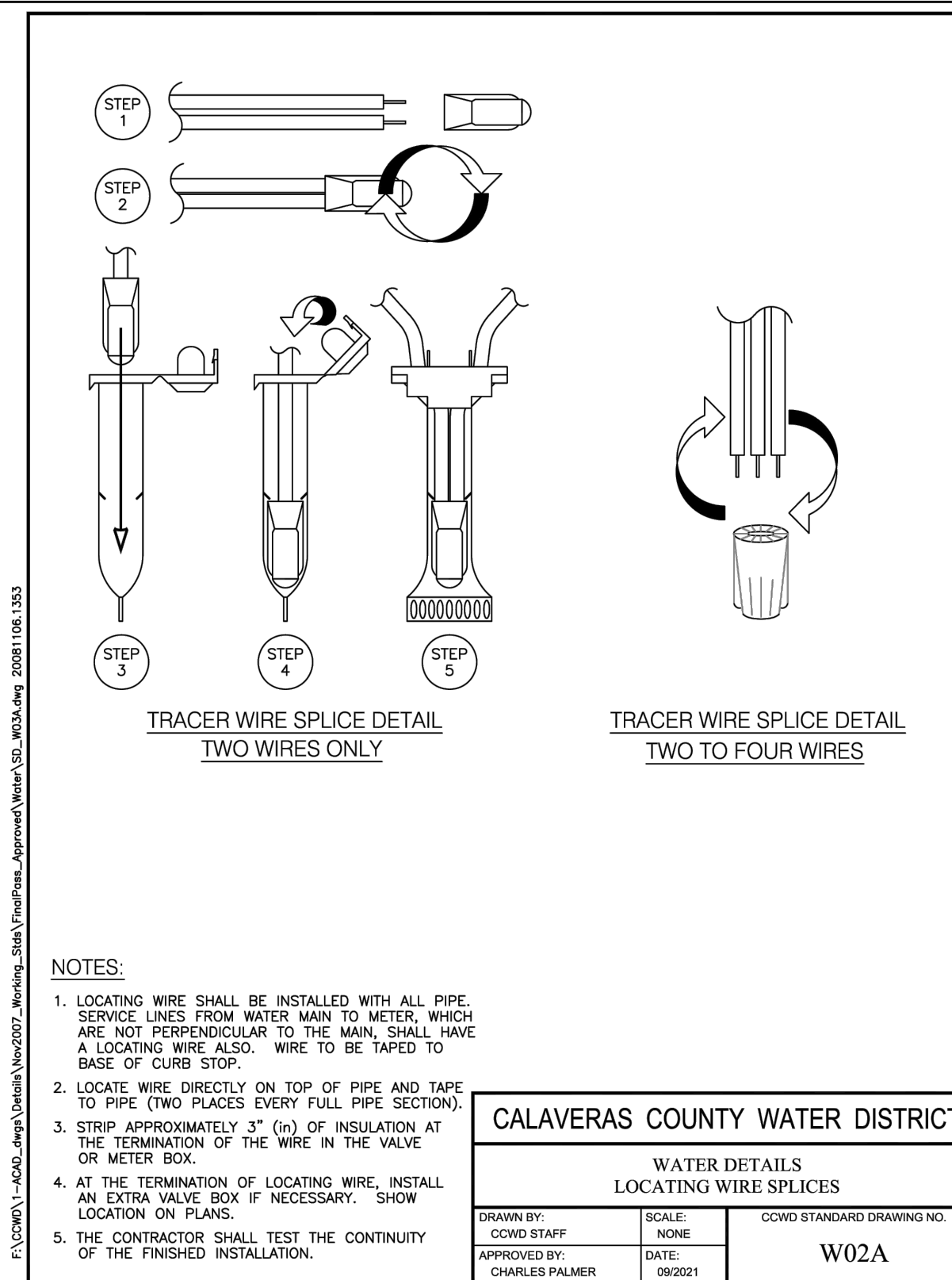
FUTURE INSTALLATION STUB-OUTS **2**  
NTS



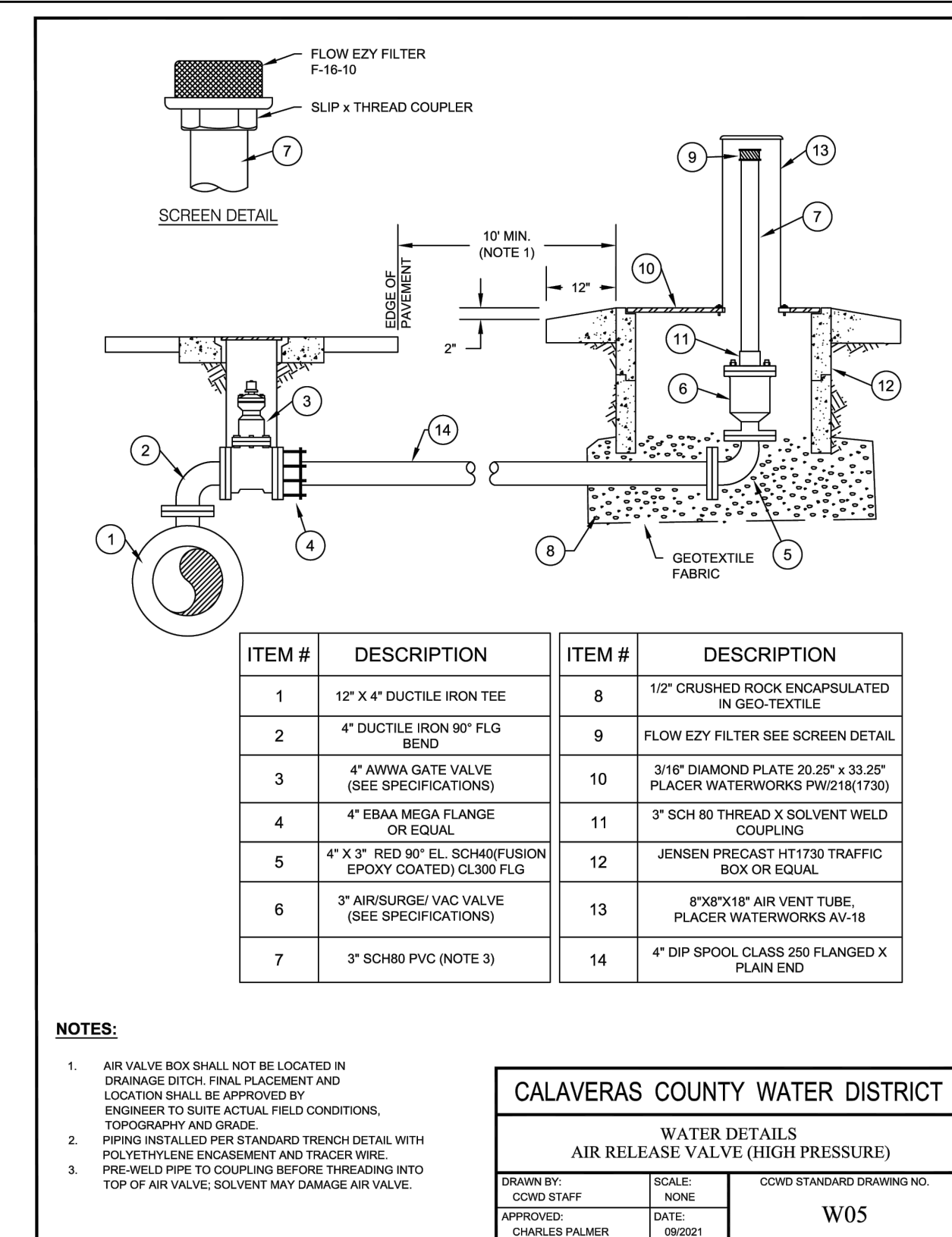
LOCATING WIRE INSTALLATION **3**  
NTS



TRENCH SECTION - UNSTABLE SUBGRADE **4**  
NTS



LOCATING WIRE SPLICES **5**  
NTS

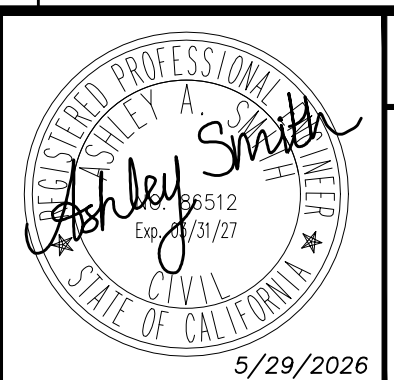
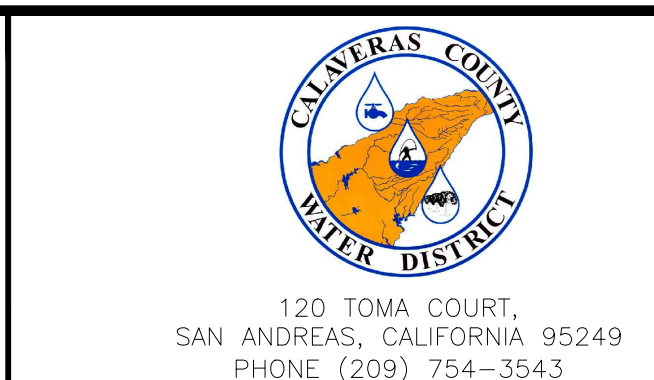


AIR RELEASE VALVE (HIGH PRESSURE) **6**  
NTS

P:\CCWD\Copper Cove Water System Improvements\05 Drawings\5.1 CAD\Lake Tulloch InterTie (2023) - Details.dwg 5-28-26 03:58:53 PM gaevedo

REV	DATE	BY	DESCRIPTION

SCALE:	WARNING
DATE:	0 1/2 1
MAY 2026	IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.
DESIGNED	AAS
DRAWN	LAH/DG
CHECKED	KBB



COPPER COVE WATER SYSTEM IMPROVEMENTS PROJECT - LAKE TULLOCH INTER-TIE  
STANDARD DETAILS I

BID SET  
FIGURE  
**C18**  
SHEET 20 OF 29

P:\COWD\Copper Cove Water System Improvements\05 Drawings\5.1 CAD\Lake Tulloch Interlie\Tulloch Intertie - Details.dwg 5-28-26 03:58:55 PM oazevedo

<b>HORIZONTAL BEND ANCHOR</b> CONCRETE BEARING AREA (S.F.)		<b>VERTICAL BEND ANCHOR</b> CONCRETE VOLUME (C.Y.)	
<b>45° BEND</b> 4" = 1    10" = 8 6" = 3    12" = 11 8" = 6		<b>45° BEND</b> 4" = 1.4    10" = 3.6 6" = 1.4    12" = 5.1 8" = 2.4	
<b>22 1/2° BEND</b> 4" = 1.5    10" = 4 6" = 1.5    12" = 6 8" = 2		<b>22 1/2° BEND</b> 4" = 0.7    10" = 1.8 6" = 0.7    12" = 2.6 8" = 1.2	
<b>90° BEND</b> 4" = 1    10" = 3 6" = 6    12" = 20 8" = 9		<b>11 1/4° BEND</b> 4" = 0.4    10" = 0.9 6" = 0.4    12" = 1.3 8" = 0.6	
<b>TEE/DEAD END &amp; PLUG</b> CONCRETE BEARING AREA (S.F.)	<b>CROSS WITH PLUG</b> CONCRETE BEARING AREA (S.F.)	<b>REDUCER</b> CONCRETE BEARING AREA (S.F.)	<b>OFFSET ANCHOR BLOCK</b> SINGLE FITTING CONCRETE VOLUME (C.Y.)
4" = 3    10" = 8 6" = 3    12" = 12 8" = 5	4" = 3    10" = 8 6" = 3    12" = 12 8" = 5	4"-6" = 10    8"-10" = 10 6"-8" = 10    10"-12" = 10	4" = 26    10" = 80 6" = 26    12" = 107 8" = 53

**NOTES:**

- THRUST BLOCKS TO BE CONSTRUCTED OF CLASS 3" CONCRETE.
- AREAS GIVEN ARE FOR PIPE AT TEST PRESSURES OF 150 PSI.
- IN SOIL WITH 2,000 PSF BEARING CAPACITY, INSTALLATIONS USING DIFFERENT TEST PRESSURES, AND/OR SOIL TYPES, SHOULD ADJUST THRUST BLOCK AREAS ACCORDINGLY, SUBJECT TO APPROVAL OF DISTRICT ENGINEER.
- BLOCKS TO BE POURED AGAINST UNDISTURBED SOIL OF MINIMUM AREA SQUARE FEET.
- PROTECT BOLTS, NUTS, THREADS, AND GASKETS FROM CONCRETE WITH 6 MIL. MIN. P.V.C. SHEETING.
- ALL FITTINGS SHALL BE WRAPPED (SEE DETAIL G13).
- STIRRUPS SHALL BE MINIMUM 1/2" IN SIZE.
- TWO STIRRUPS REQUIRED ON 4" - 8" FITTINGS. FOUR STIRRUPS REQUIRED ON 10" - 12" FITTINGS.

<b>CALAVERAS COUNTY WATER DISTRICT</b> WATER DETAILS <b>THRUST BLOCK BEARING AREA SCHEDULE</b>		
DRAWN BY: COWD STAFF	SCALE: NONE	COWD STANDARD DRAWING NO. W01
APPROVED BY: S HUTCHINGS	DATE: DEC 2008	

THRUST BLOCK BEARING AREA SCHEDULE **1**  
NTS

**INSTALLATION IN LANDSCAPING**

**GATE VALVE DETAIL**

**CROSS INSTALLATION**

**TEE INSTALLATION**

ITEM #	DESCRIPTION
1	GATE VALVE, RESILIENT SEAT
2	8" C900 P.V.C. RISER
3	TRACER WIRE FOR ALL INSTALLATIONS (PER DETAIL W02 & W02A)
4	CONCRETE BLOCK, 36sq AREA, BOTTOM THRUST AREA, REQUIRED FOR VALVES 8" OR LARGER
5	#4 REBAR HOOP
6	CHRISTY GK OR APPROVED EQUAL CONCRETE VALVE BOX BODY WITH TRAFFIC TYPE CP COVER MARKED WATER, RECESS BOX 14" MAX. FOR SNOW REMOVAL ABOVE 2000"

**NOTES:**

- ALL GATE VALVES SHALL BE EPOXY COATED, AWWA APPROVED AND FULLY ENCAPSULATED WITH RESILIENT SEAT, MECHANICAL JOINT OR FLANGE.
- VALVES PLACED FOR FUTURE LINE EXTENSIONS SHALL HAVE A BLIND FLANGE PLACED OVER THE OUTLET.
- WHEN OPERATING NUT IS GREATER THAN 36" FROM FG, INSTALL STEM EXTENSIONS. (SEE COWD W03A)

<b>CALAVERAS COUNTY WATER DISTRICT</b> WATER DETAILS <b>GATE VALVE INSTALLATION</b>		
DRAWN BY: COWD STAFF	SCALE: NONE	COWD STANDARD DRAWING NO. W03
APPROVED BY: CHARLES PALMER	DATE: 08/2021	

GATE VALVE INSTALLATION **2**  
NTS

**SHAFT EXTENSION SIDE VIEW**

**BOTTOM VIEW**

**OPERATING NUT & VALVE KEY ASSEMBLIES AT VALVE**

**NOTES:**

- AN EXTENSION SHALL BE REQUIRED WHEN THE TRENCH DEPTH IS 36" (in) OR MORE BELOW THE FINAL SURFACE, OR AS SPECIFIED.
- WRENCH NUT SHALL BE AS SPECIFIED IN AWWA C500, SECTION 20. PEEN TOP OF SHAFT TO SECURE THE NUT, OR ATTACH BY WELDING.
- STEADYING PLATE DIAMETER SHALL BE EQUAL TO THE INSIDE DIAMETER OF THE VALVE BOX EXTENSION MINUS 3/4" (in).
- COAT ENTIRE ASSEMBLY IN ACCORDANCE WITH TECHNICAL SPECIFICATIONS.

<b>CALAVERAS COUNTY WATER DISTRICT</b> WATER DETAILS <b>GATE VALVE EXTENSION INSTALLATION</b>		
DRAWN BY: COWD STAFF	SCALE: NONE	COWD STANDARD DRAWING NO. W03A
APPROVED BY: CHARLES PALMER	DATE: 08/2021	

GATE VALVE EXTENSION INSTALLATION **3**  
NTS

**ELEVATION**

**PLAN**

ITEM #	DESCRIPTION
1	#4 REBAR
2	PLASTIC WRAP
3	DRAINAGE PIT, APPROX 2'2" DIA, 2'2" DEEP FILLED W/ 3/4" CRUSHED DRAIN ROCK
4	8" C-900 P.V.C.
5	HYDRANT DRAIN, REMOVE PLUG WHEN INSTALLING
6	CONCRETE THRUST BLOCK W/ #4 REBAR, 6" MIN THRU AREA
7	PADDLE MARKER W/ SNOW POLE AS REQUIRED ABOVE 2500'
8	GUARD POST AS REQUIRED
9	LOCATOR WIRE FOR ALL INSTALLATIONS (PER DETAIL W02 & W02A)

**NOTES:**

- USE TAPPING SLEEVE AND VALVE ON EXISTING MAINS 8" (in) AND LARGER.
- INSTALL GUARD POSTS & SNOW POLES AS DIRECTED.
- SEE STD DWG W04A FOR FIRE HYDRANT LOCATIONS.
- SET CONCRETE PAD TO FIT/MATCH HYDRANT BURY LINE.

<b>CALAVERAS COUNTY WATER DISTRICT</b> WATER DETAILS <b>TYPICAL FIRE HYDRANT INSTALLATION</b>		
DRAWN BY: COWD STAFF	SCALE: NONE	COWD STANDARD DRAWING NO. W05
APPROVED BY: CHARLES PALMER	DATE: 09/2021	

TYPICAL FIRE HYDRANT INSTALLATION **4**  
NTS

**BEHIND VERTICAL CURB & GUTTER**

**BEHIND ROLLED CURB & GUTTER**

**WITHOUT CURB & GUTTER**

**PAD DETAIL**

**NOTES:**

- THE FIRE HYDRANT IS TO BE PLACED BEHIND THE DRAINAGE DITCH AND NO FURTHER THAN 8" (in) FROM DRIVEABLE SHOULDER SURFACE, BACK OF CURB, OR PER AGENCY INVOLVED.
- ALL VALVE BOXES SET IN THE AC OR CONCRETE TO BE FINISHED GRADE MINUS 1/4" (in).
- FOR TYPICAL INSTALLATION, SEE DETAIL W05.
- ALTERNATE LOCATIONS & SLOPES GREATER THAN 2:1 IN ANY INSTANCE MUST HAVE DISTRICT ENGINEER'S APPROVAL PRIOR TO INSTALLATION.

<b>CALAVERAS COUNTY WATER DISTRICT</b> WATER DETAILS <b>TYPICAL FIRE HYDRANT LOCATION</b>		
DRAWN BY: COWD STAFF	SCALE: NONE	COWD STANDARD DRAWING NO. W04A
APPROVED BY: CHARLES PALMER	DATE: 08/2021	

TYPICAL FIRE HYDRANT LOCATION **5**  
NTS

REV	DATE	BY	DESCRIPTION

SCALE:	WARNING
DATE:	IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.
MAY 2026	

DESIGNED	AAS
DRAWN	LAH/DG
CHECKED	KBB

120 TOMA COURT,  
SAN ANDREAS, CALIFORNIA 95249  
PHONE (209) 754-3543

80 Blue Ravine Rd. Suite 280  
Folsom, CA 95630  
PH. 916-608-2212

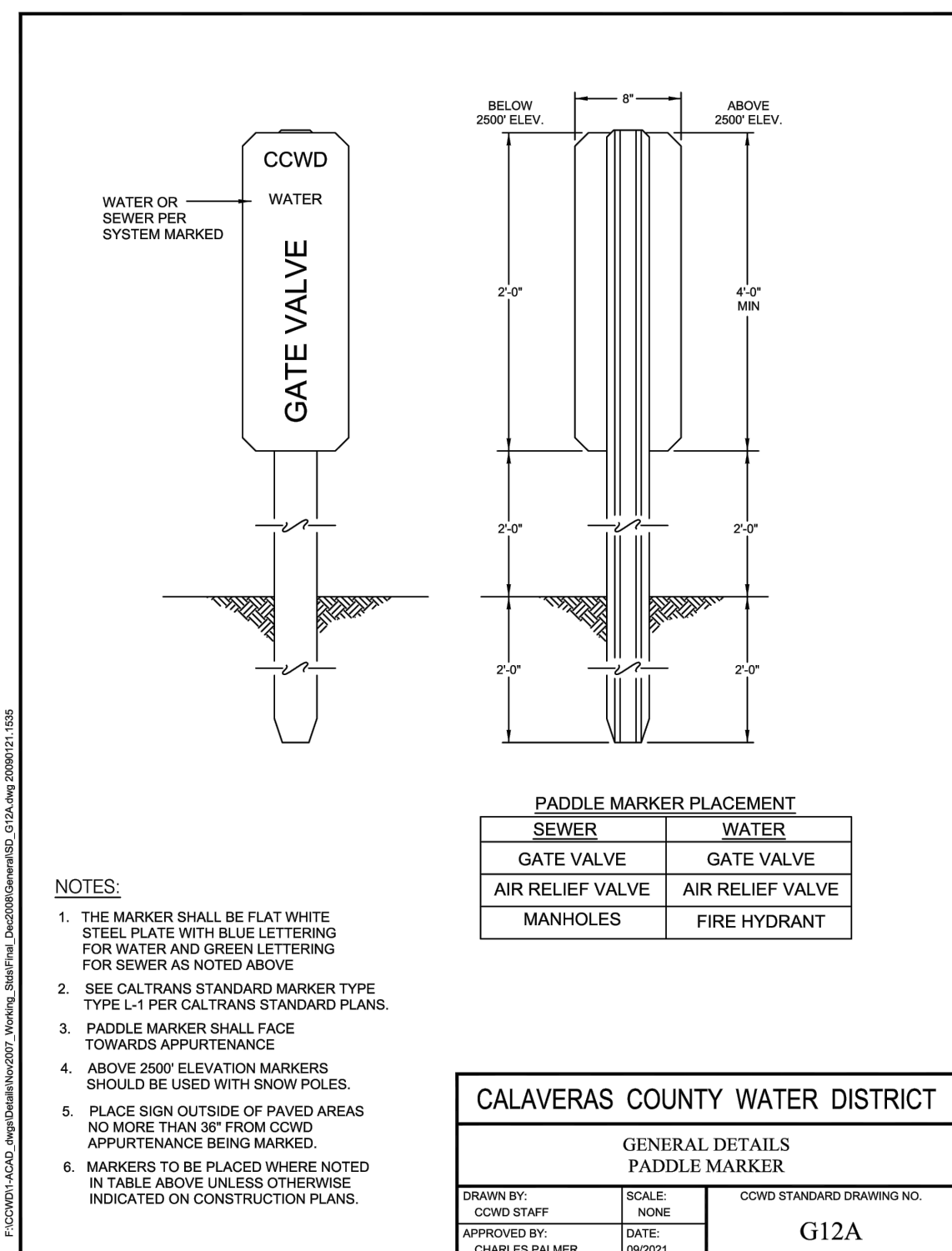
COPPER COVE WATER SYSTEM IMPROVEMENTS PROJECT - LAKE TULLOCH INTER-TIE

STANDARD DETAILS II

**BID SET**

FIGURE **C19**

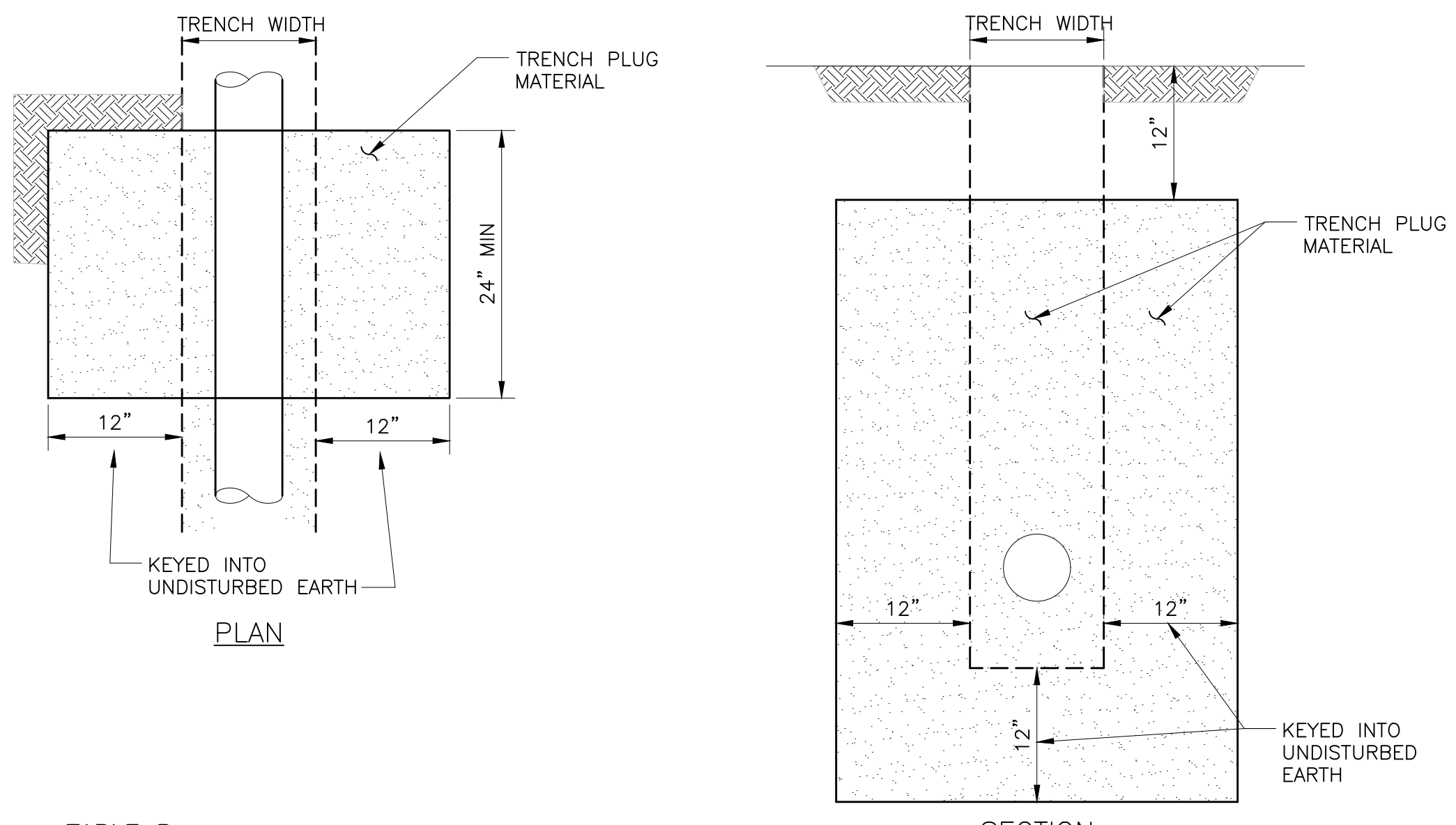
SHEET 21 OF 29



- NOTES:**
1. THE MARKER SHALL BE FLAT WHITE STEEL PLATE WITH BLUE LETTERING FOR WATER AND GREEN LETTERING FOR SEWER AS NOTED ABOVE.
  2. SEE CALTRANS STANDARD MARKER TYPE L-1 PER CALTRANS STANDARD PLANS.
  3. PADDLE MARKER SHALL FACE TOWARDS APPURTENANCE.
  4. ABOVE 2500' ELEVATION MARKERS SHOULD BE USED WITH SNOW POLES.
  5. PLACE SIGN OUTSIDE OF PAVED AREAS NO MORE THAN 36" FROM CCWD APPURTENANCE BEING MARKED.
  6. MARKERS TO BE PLACED WHERE NOTED IN TABLE ABOVE UNLESS OTHERWISE INDICATED ON CONSTRUCTION PLANS.

CALAVERAS COUNTY WATER DISTRICT  
 GENERAL DETAILS  
 PADDLE MARKER  
 DRAWN BY: CCWD STAFF  
 SCALE: NONE  
 CCWD STANDARD DRAWING NO. G12A  
 APPROVED BY: CHARLES PALMER  
 DATE: 06/20/21

**PADDLE MARKER 1**  
 NTS

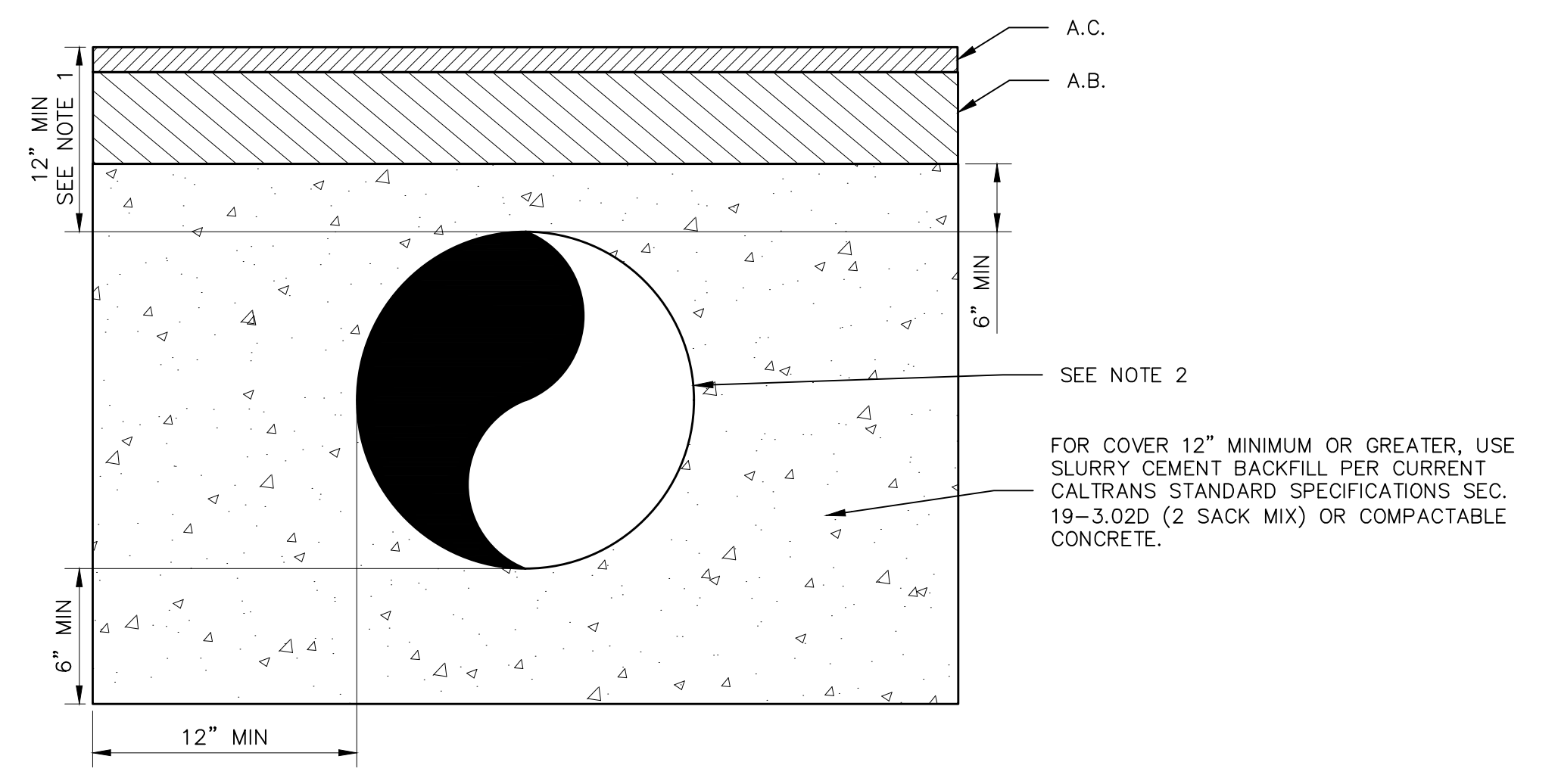


**TABLE B**

TRENCH SLOPE (%)	MAXIMUM SPACING (FT)
< 5	1,000
5 - 15	500
15 - 25	300
25 - 35	200
35 - 100	100
> 100	50

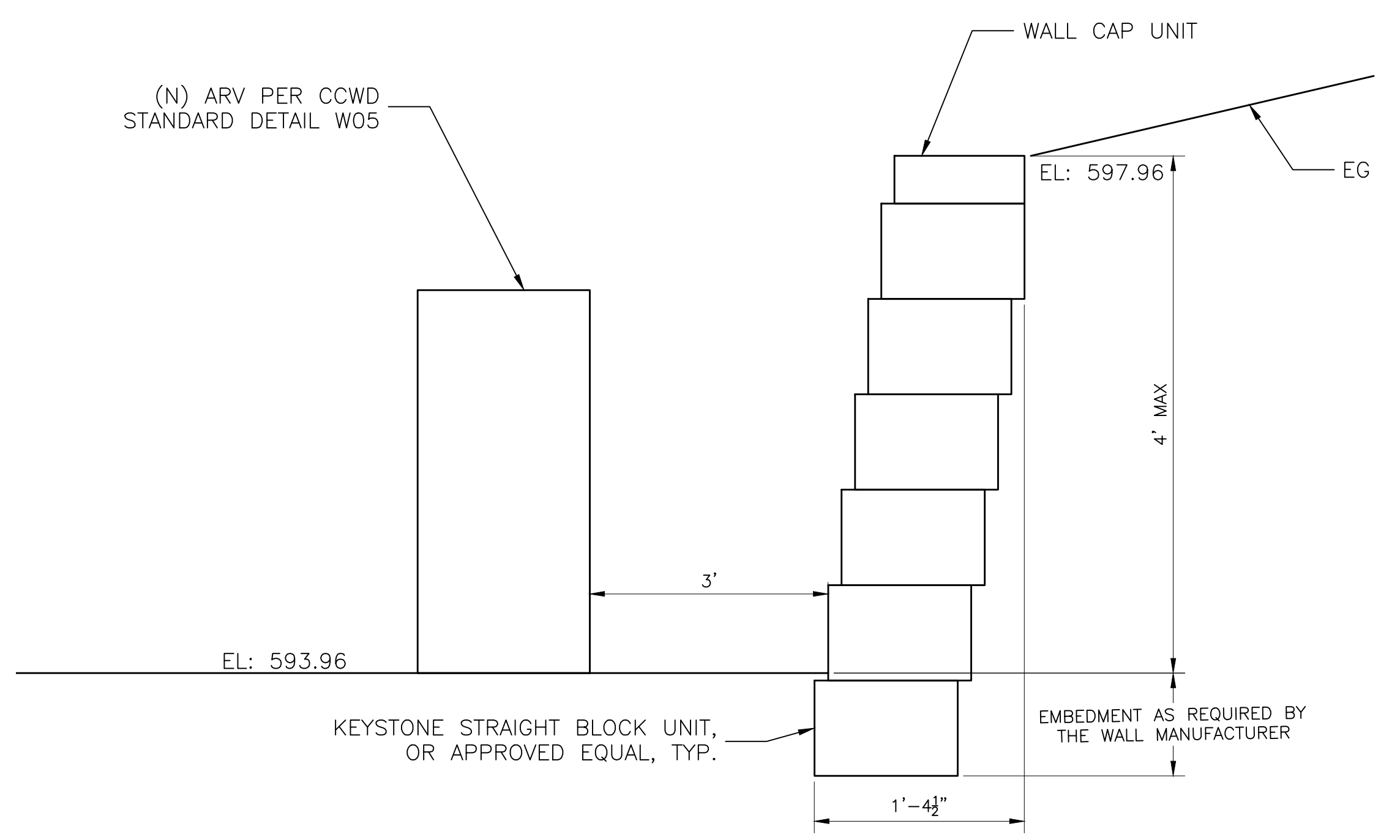
- NOTES:**
1. TRENCH PLUG MATERIAL SHALL BE SOIL CEMENT (270# CEMENT/CU.YD.) OR BENTONITE SLURRY.
  2. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO PLACING.
  3. CLAY PLUG EXTENDS 1 FOOT BELOW BEDDING UNLESS ROCK IS ENCOUNTERED.
  4. INSTALL TRENCH PLUGS TO A DEPTH OF 1.5 FEET BELOW FINISHED GRADE OR 2 FEET ABOVE THE PIPE, WHICHEVER IS LESS.
  5. INSTALL TRENCH PLUGS ACCORDING TO SPACING SPECIFICATIONS IN TABLE B.

**TRENCH PLUG DETAIL 3**  
 NTS



- NOTES:**
1. PROVIDE MINIMUM COVER SUCH THAT FULL DESIGN A.C. LAYER PROVIDED AND AT LEAST 0.20 FT. OF A.B. TO ALLOW FOR GROUNDWATER FLOW OVER PIPE (i.e. TO PREVENT HYDROSTATIC PRESSURE BUILD-UP UNDER PAVEMENT).
  2. IF CONCRETE BONDING TO PIPE IS A CONCERN, WRAP ENTIRE PIPE WITH MINIMUM 10 MIL PLASTIC TO PREVENT BONDING.
  3. CONCRETE ENCASEMENT SHALL NOT BE ALLOWED WITHIN 5' OF A FLEX JOINT IN A SEWER PIPELINE.

**CONCRETE ENCASEMENT FOR PIPES 2**  
 NTS

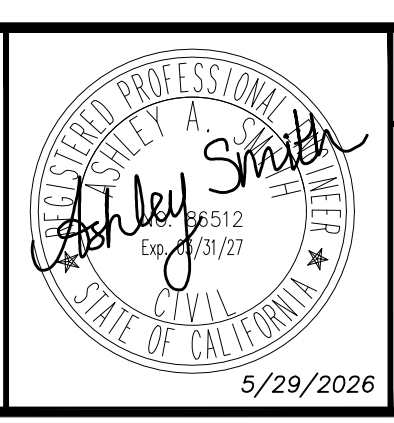


**KEYSTONE RETAINING WALL SECTION 4**  
 NTS

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REV	DATE	BY	DESCRIPTION

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DATE: MAY 2026	IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.
DESIGNED: AAS	DRAWN: LAH/DG
CHECKED: KBB	

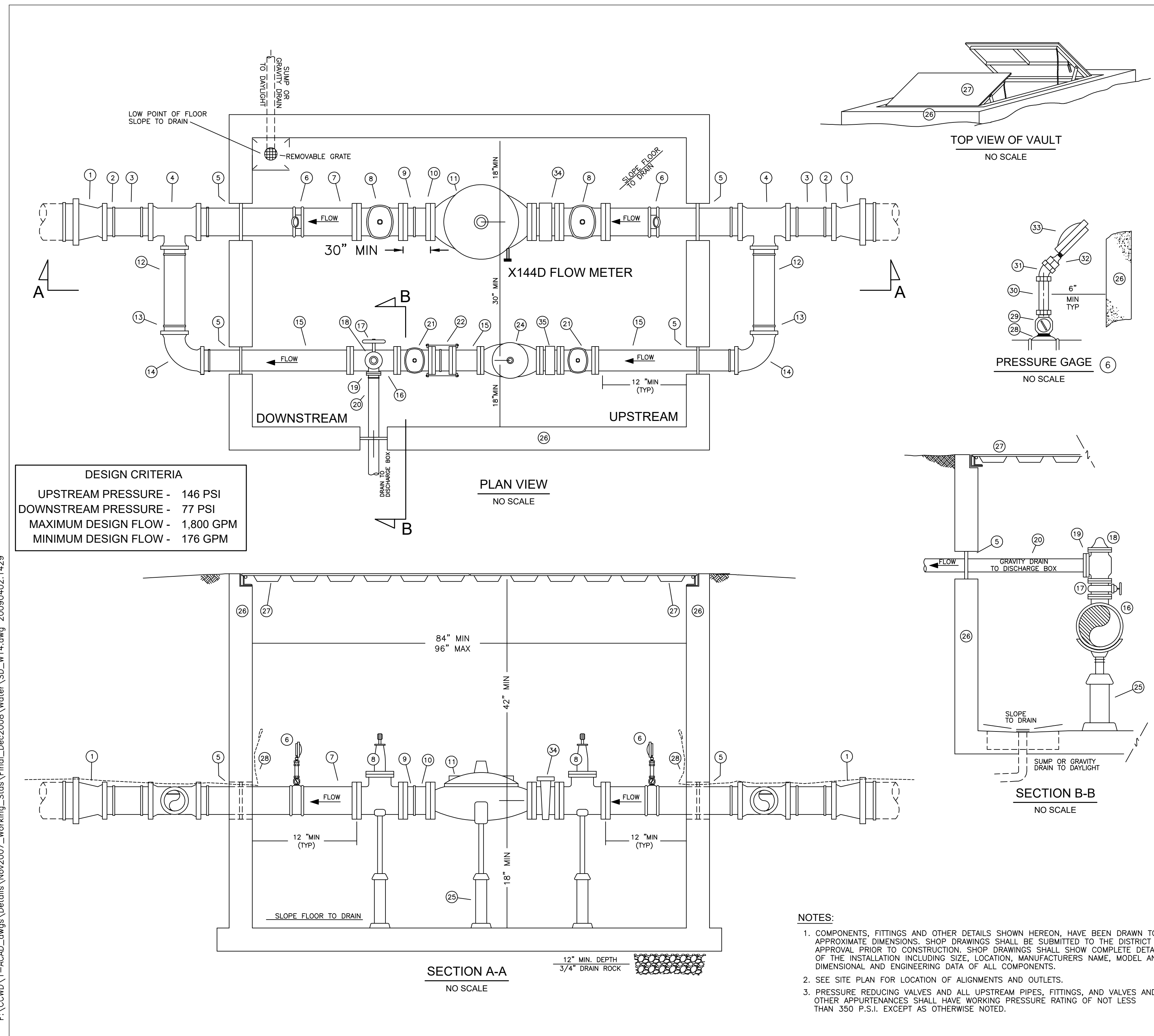


COPPER COVE WATER SYSTEM IMPROVEMENTS PROJECT - LAKE TULLOCH INTER-TIE  
 STANDARD DETAILS III

**BID SET**  
 FIGURE  
**C20**  
 SHEET 22 OF 29

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DETAIL HAS BEEN MODIFIED TO SHOW TOP OF VAULT FLUSH WITH PAVEMENT AND REVISED BYPASS LINE.

**CALAVERAS COUNTY WATER DISTRICT**

**PRESSURE REDUCING STATION**  
 8" MAIN / 4" X 2" BYPASS (PRESSURE CLASS 250/350)

DRAWN BY: CCWD STAFF	SCALE: NONE	CCWD STANDARD DRAWING NO.
APPROVED: CHARLES PALMER	DATE: 09/2021	<b>W13</b>

PRESSURE REDUCING STATION **1**  
 NTS C04

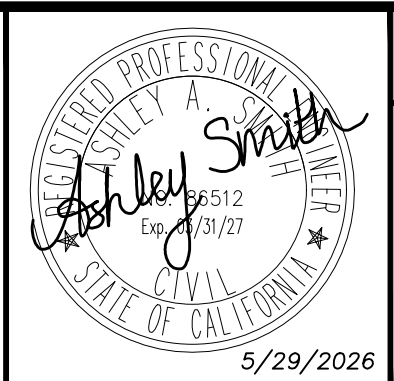
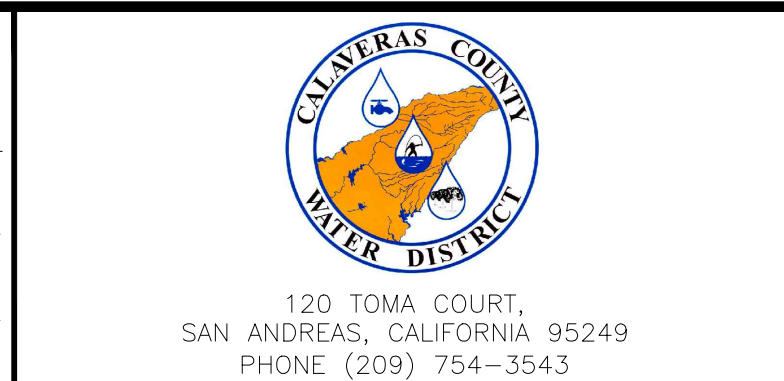
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SCALE: 0 1/2 1

WARNING: IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

DESIGNED: AAS  
 DRAWN: LAH/DG  
 CHECKED: KBB

DATE: MAY 2026



COPPER COVE WATER SYSTEM IMPROVEMENTS PROJECT - LAKE TULLOCH INTER-TIE

STANDARD DETAILS IV

F:\CCWD\Copper Cove Water System Improvements\05 Drawings\5.1 CAD\Lake Tulloch Intertie\Tulloch Intertie (2023) - Traffic Control.dwg 5-28-26 03:59:04 PM oazevedo

GENERAL TRAFFIC NOTES:

1. TTC STANDS FOR "TEMPORARY TRAFFIC CONTROL".
2. ALL WORK SHALL COMPLY WITH THE LATEST CALAVERAS COUNTY IMPROVEMENT STANDARDS, APPLICABLE CALTRANS STANDARDS, THE CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (CA-MUTCD).
3. A MINIMUM OF ONE PERSON SHALL BE ASSIGNED TO PROVIDE FULL TIME CONTINUOUS MONITORING AND MAINTENANCE OF TRAFFIC CONTROL DEVICES.
4. ALL CONES SHALL BE 28 INCHES MINIMUM IN HEIGHT. CONES USED DURING NIGHT TIME HOURS SHALL BE EQUIPPED WITH RETRO REFLECTIVE BANDS (OR SLEEVES) IF NIGHT TIME WORK IS PERMITTED.
5. ALL SIGN REFERENCES ON THESE TTC SHEETS REFER TO THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (LATEST EDITION).
6. THESE PLANS DO NOT APPLY WHERE THERE ARE EMERGENCY CONDITIONS. UNDER EMERGENCY CONDITIONS, EQUIPMENT AND PERSONNEL WHICH ARE AVAILABLE SHOULD BE UTILIZED TO IMPLEMENT A CLOSURE EVEN THOUGH SUCH CLOSURE DOES NOT MEET THE STANDARDS CONTAINED IN THIS PLAN. AS EQUIPMENT OR PERSONNEL BECOME AVAILABLE AN IMMEDIATE EFFORT SHOULD THEN BE MADE TO IMPLEMENT THE STANDARDS SHOWN ON THESE PLANS.
7. ALL SIGNAGE SHALL BE SIZED TO CONVENTIONAL ROAD DIMENSIONS PER CA-MUTCD MINIMUM.
8. CHANGEABLE MESSAGE SIGNS (CMS) SHALL BE USED WHERE NEEDED BASED ON CA-MUTCD GUIDELINES.
9. A MAXIMUM LANE CLOSURE OF 100 FT. WILL BE IN EFFECT EXCEPT AS NOTED ON DETAILS. FIELD CONDITIONS COULD REQUIRE DEVIATIONS FROM THESE PLANS AND ACCOMPANYING NOTES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ADJUST TRAFFIC CONTROL DEVICES BASED ON CHANGING CONDITIONS AS PER THE CA-MUTCD.
10. WORK HOURS: MONDAY THROUGH FRIDAY 7:00AM TO 6:00PM AND MAY BE MODIFIED BY INSPECTOR  
 WEEKENDS -----NO WEEKEND WORK  
 NIGHT -----NO NIGHT WORK  
  
 NOTE: THESE WORK HOURS ARE FOR TTC RESTRICTIONS ONLY. SEE SPECIFICATIONS FOR CONTRACT WORK HOURS AND ADDITIONAL WORK HOUR RESTRICTIONS.
11. IF TRAFFIC SAFETY AND/OR DELAYS BECOME A CONCERN, THE TRAFFIC AUTHORITY (CALAVERAS COUNTY) CAN CHANGE THE WORK HOURS, TRAFFIC CONTROL PLAN AND TRAFFIC CONTROL DEVICES AS NECESSARY.
12. TEMPORARY TRAFFIC CONTROL MINIMUM LANE WIDTH FOR ALL TRAVELED LANES SHALL BE 10 FEET.
13. FULL ROAD CLOSURES ARE NOT PERMITTED AT ANY TIME.
14. DRIVEWAY ACCESS SHALL BE ACCOMMODATED AT ALL TIMES UNLESS OTHER ARRANGEMENTS HAVE BEEN MADE WITH THE AFFECTED PROPERTY OWNER. CONTRACTOR SHALL MAINTAIN TRENCH PLATES ON SITE DURING ALL ROAD CLOSURE ACTIVITIES TO ACCOMMODATE EMERGENCY ACCESS.
15. COUNTY INSPECTOR MAY DIRECT THE CONTRACTOR TO DISCONTINUE OPERATIONS AT ANY TIME IF THE INSPECTOR DETERMINES THAT THE WORK CREATES AN UNDUE SAFETY RISK OR SEVERE TRAFFIC CONGESTION.
16. TRAFFIC CONTROL DEVICES SHALL BE INSTALLED SUCH THAT THE SIGN OR DEVICE FARTHEST FROM THE WORK AREA SHALL BE PLACED FIRST AND SHALL BE PLACED PROGRESSIVELY TOWARDS THE WORK AREA.
17. FLAGGERS SHALL WEAR APPROVED SAFETY VEST BE EQUIPPED WITH STOP/SLOW PADDLES AND SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES.
18. CONSTRUCTION SIGNAGE SHALL BE PROMPTLY REMOVED OR COVERED WHENEVER THE MESSAGE IS NOT APPLICABLE OR NOT IN USE.
19. TAPER/BUFFER AREAS SHALL REMAIN CLEAR OF VEHICLES AND EQUIPMENT (EXCEPT FOR APPROPRIATE TTC DEVICES) AT ALL TIMES.
20. ON ROADWAYS WHERE PARKING IS ALLOWED, TEMPORARY "NO PARKING SIGNAGE MAY BE PLACED WHERE ROADWAY WIDTHS ARE INADEQUATE.
21. CONTRACTOR SHALL COORDINATE WITH COUNTY INSPECTOR TO VERIFY, IDENTIFY, AND ADDRESS CONFLICTS WITH OTHER PLANNED OR ONGOING PROJECTS IN THE AREA.

SIGN SPACING, TAPER LENGTH AND CONE SPACING


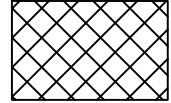


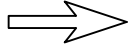
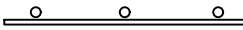
TABLE: 6H-3 (CA-MUTCD 2014) MEANING OF LETTER CODES ON TYPICAL APPLICATION DIAGRAMS

ROAD TYPE	DISTANCE BETWEEN SIGNS			
	A	B	C	D
URBAN - 25 MPH OR LESS	100 FEET	100 FEET	100 FEET	100 FEET

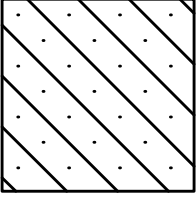
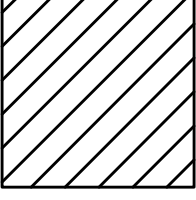
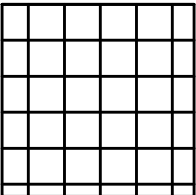
TABLE: TAPER LENGTH AND CONE SPACING (PER 2014 CA-MUTCD)

SPEED	MERGING L	SHIFTING L/2	SHOULDER L/3	CONE SPACING
25 MPH	125 FEET	63 FEET	42 FEET	25 FEET
55 MPH	660 FEET	330 FEET	220 FEET	55 FEET

SYMBOLOLOGY

-  CONE or CHANNELIZING DEVICE
-  WORK SPACE
-  SIGN
-  FLAGGER
-  DIRECTION OF TRAVEL
-  BARRICADE

TRAFFIC CONTROL PLAN LEGEND

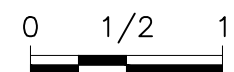
-  INTERSECTION CLOSURE
-  ROAD CLOSURE
-  LANE CLOSURE

**BID SET**

REV	DATE	BY	DESCRIPTION

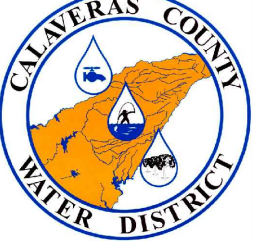
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WARNING



IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

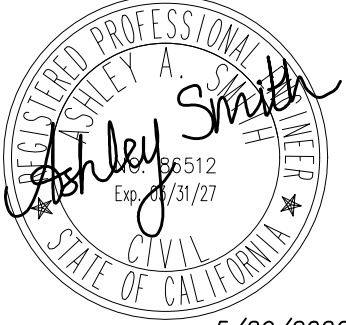
DESIGNED AAS  
 DRAWN LAH/DG  
 CHECKED KBB



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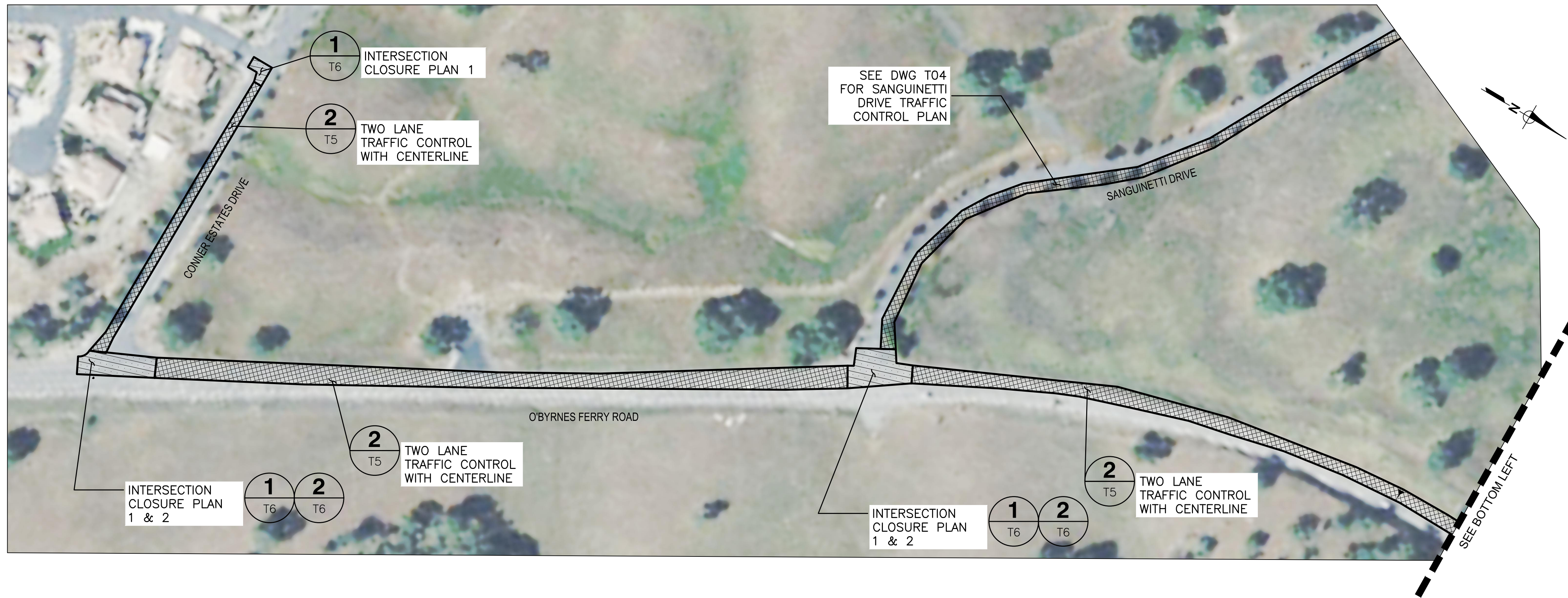
ASHLEY A. SMITH  
 PROFESSIONAL ENGINEER  
 No. 95512  
 Exp. 01/31/27  
 CIVIL  
 STATE OF CALIFORNIA  
 5/29/2026

COPPER COVE WATER SYSTEM IMPROVEMENTS PROJECT - LAKE TULLOCH INTER-TIE

TRAFFIC CONTROL NOTES, SPACING CRITERIA & SYMBOLS

FIGURE  
**T01**  
 SHEET 23 OF 29

P:\CCWD\Copper Cove Water System Improvements\05 Drawings\5.1 CAD\Lake Tulloch Intertie (2023) - Traffic Control.dwg 5-28-26 03:59:09 PM oazevedo



REV	DATE	BY	DESCRIPTION

SCALE: 1" = 100'

WARNING

0 1/2 1

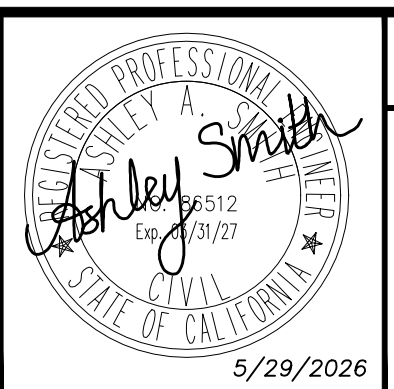
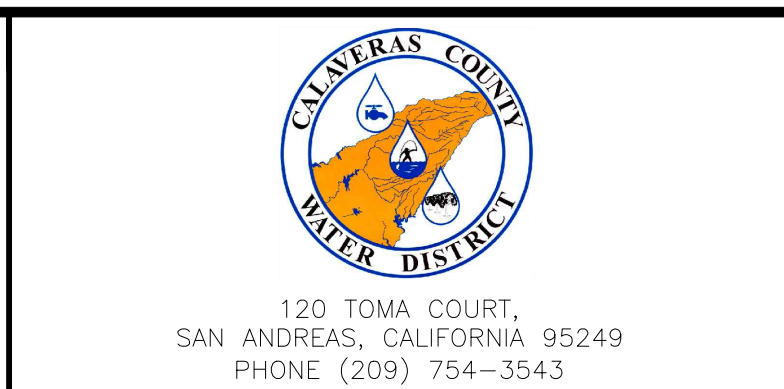
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

DATE: MAY 2026

DESIGNED: AAS

DRAWN: LAH/DG

CHECKED: KBB



COPPER COVE WATER SYSTEM IMPROVEMENTS PROJECT - LAKE TULLOCH INTER-TIE

TRAFFIC CONTROL INDEX I

**BID SET**

FIGURE T02

SHEET 24 OF 29

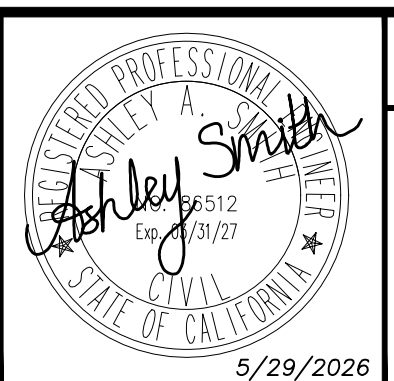
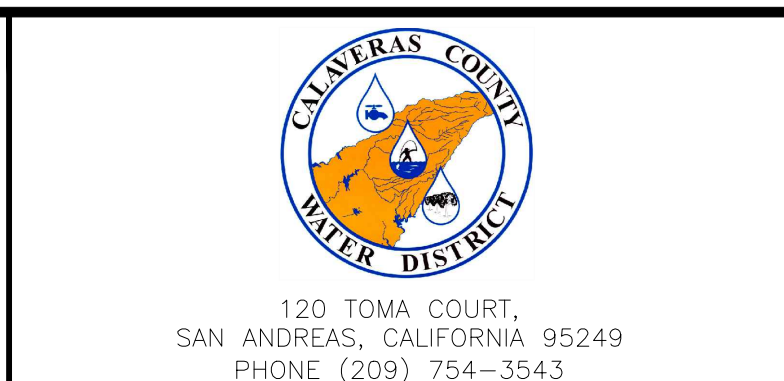
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REV	DATE	BY	DESCRIPTION

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 WARNING  
 0 1/2 1  
 DATE: MAY 2026  
 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

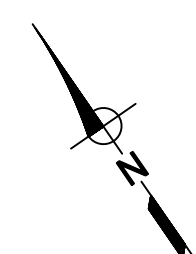
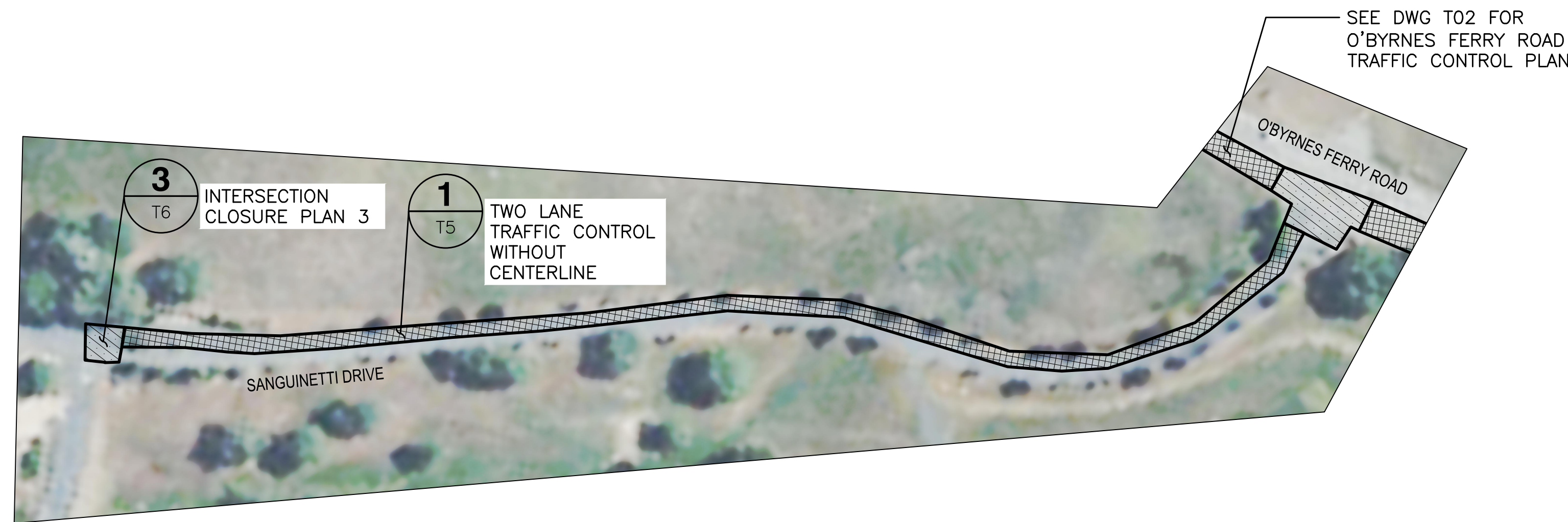
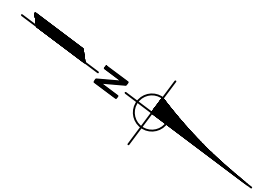
DESIGNED: AAS  
 DRAWN: LAH/DG  
 CHECKED: KBB



COPPER COVE WATER SYSTEM IMPROVEMENTS PROJECT - LAKE TULLOCH INTER-TIE  
 TRAFFIC CONTROL INDEX II

**BID SET**  
 FIGURE  
**T03**  
 SHEET 25 OF 29

P:\CCWD\Copper Cove Water System Improvements\05 Drawings\5.1 CAD\Lake Tulloch Intertie\Lulloch Intertie (2023) - Traffic Control.dwg 5-28-26 03:59:22 PM aazevedo

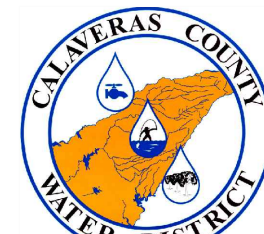


**BID SET**

REV	DATE	BY	DESCRIPTION

SCALE:	WARNING
DATE:	
MAY 2026	IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

DESIGNED	AAS
DRAWN	LAH/DG
CHECKED	KBB

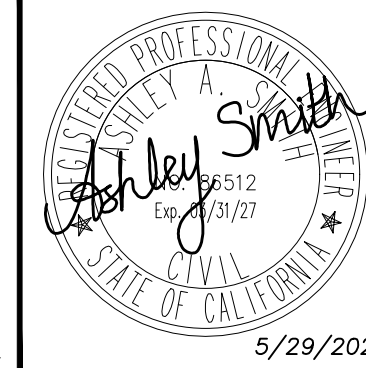


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COPPER COVE WATER SYSTEM IMPROVEMENTS PROJECT -  
LAKE TULLOCH INTER-TIE

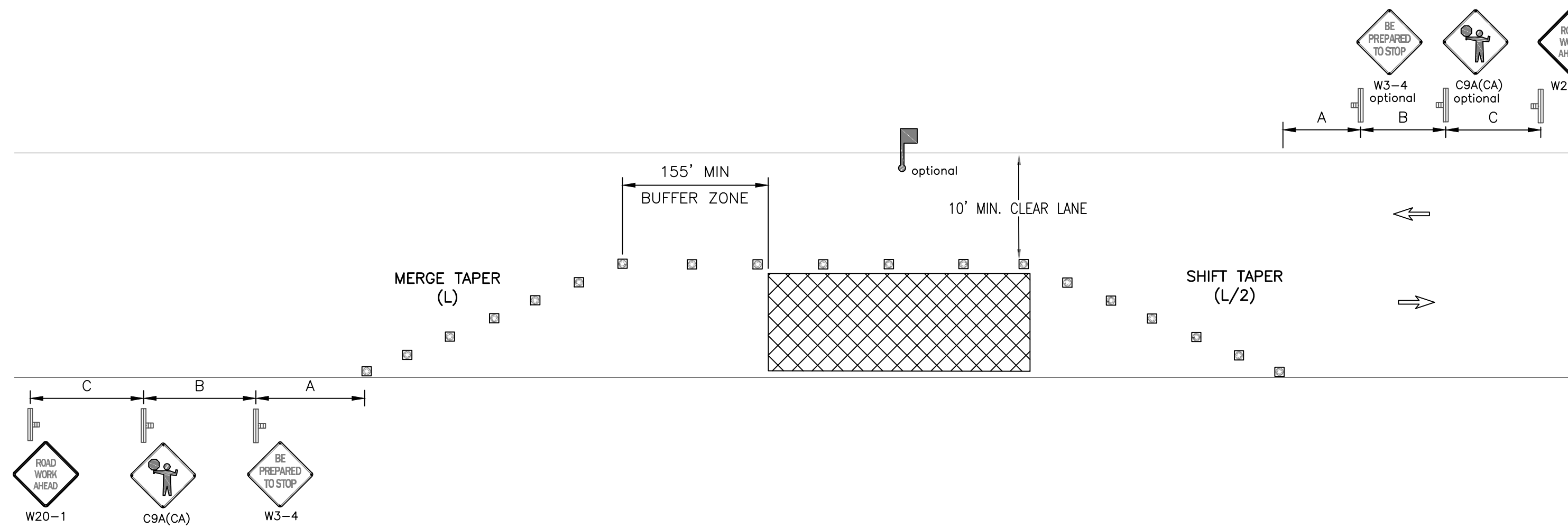
TRAFFIC CONTROL INDEX III

FIGURE

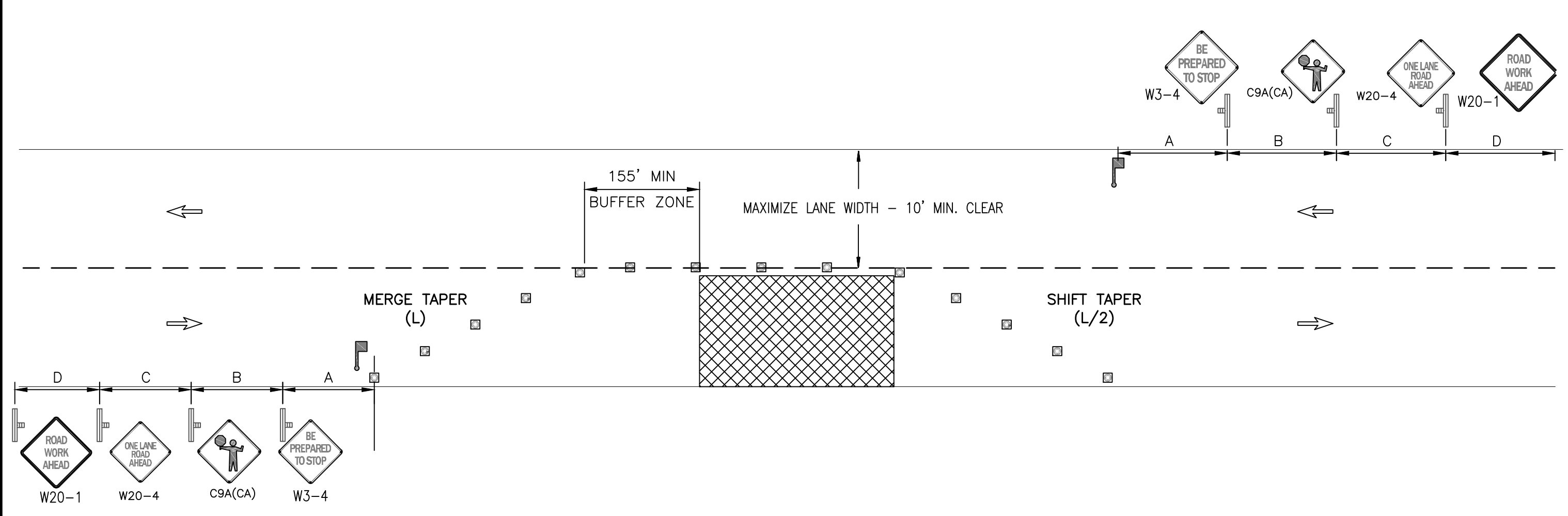
**T04**

SHEET 26 OF 29

P:\CCWD\Copper Cove Water System Improvements\05 Drawings\5.1 CAD\Lake Tulloch Intertie\Tulloch Intertie - Traffic Control.dwg 5-28-26 03:59:23 PM oazevedo



**TWO LANE TRAFFIC CONTROL WITHOUT CENTER LINE** 1  
SCALE: NTS VAR



**TWO LANE TRAFFIC CONTROL WITH CENTER LINE** 2  
SCALE: NTS VAR

NOTE:  
FULL ROAD CLOSURES ARE NOT  
PERMITTED AT ANY TIME.

REV	DATE	BY	DESCRIPTION

SCALE:	WARNING
DATE:	0 1/2 1
MAY 2026	IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

DESIGNED	AAS
DRAWN	LAH/DG
CHECKED	KBB



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5/29/2026

COPPER COVE WATER SYSTEM IMPROVEMENTS PROJECT -  
LAKE TULLOCH INTER-TIE

TYPICAL TWO LANE CLOSURE AND ROAD CLOSURE PLANS

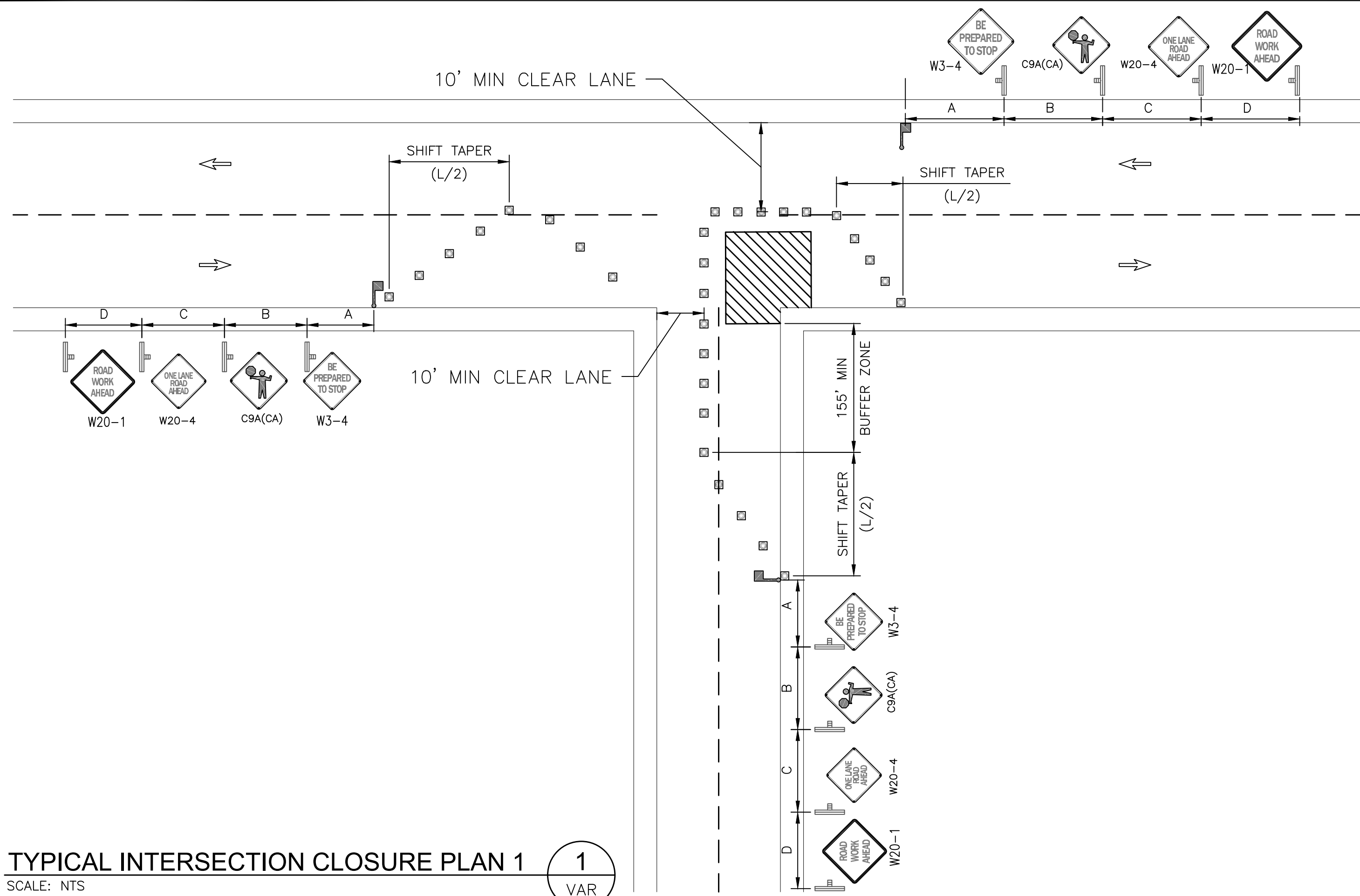
**BID SET**

FIGURE

**T05**

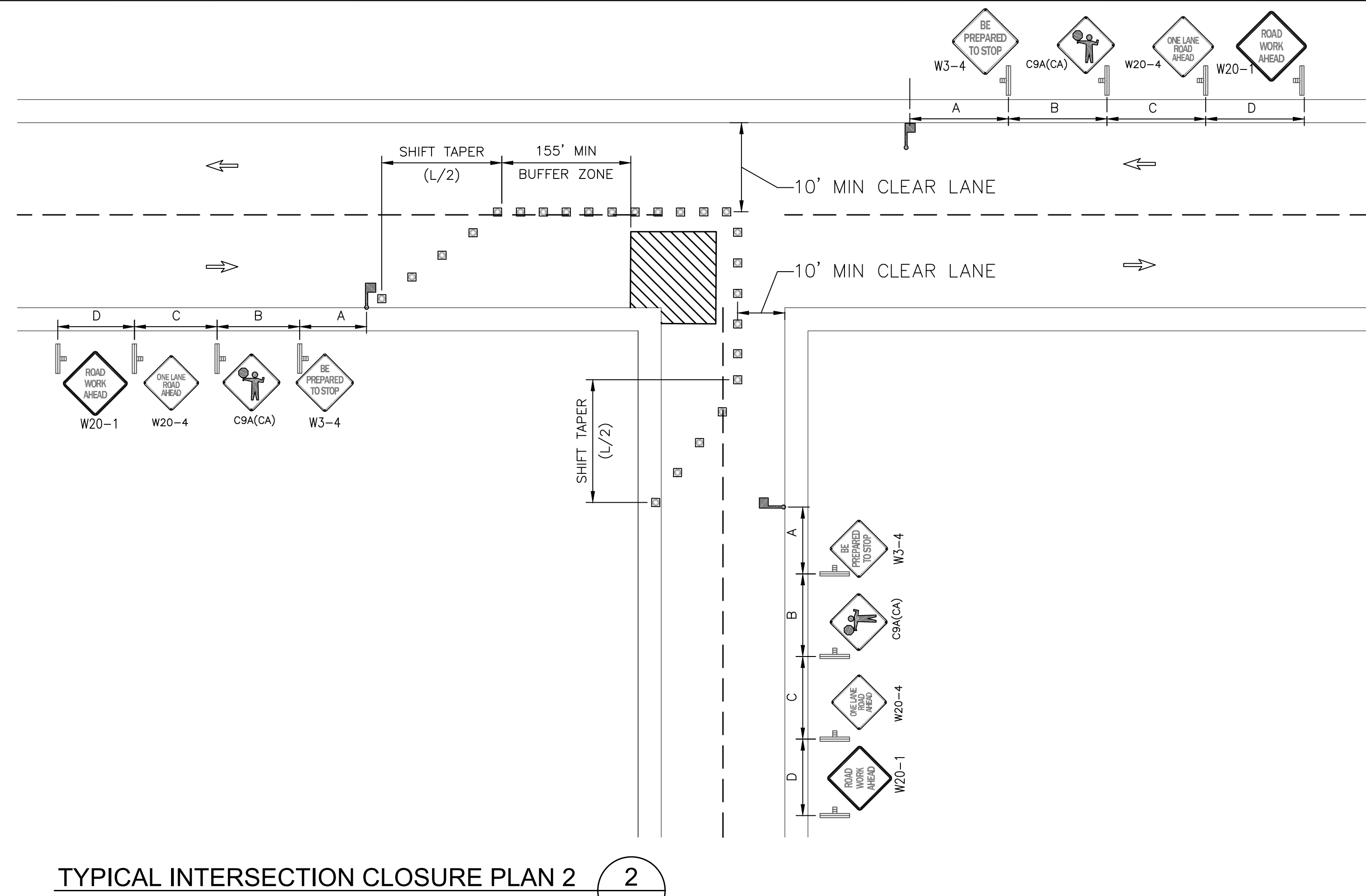
SHEET 27 OF 29

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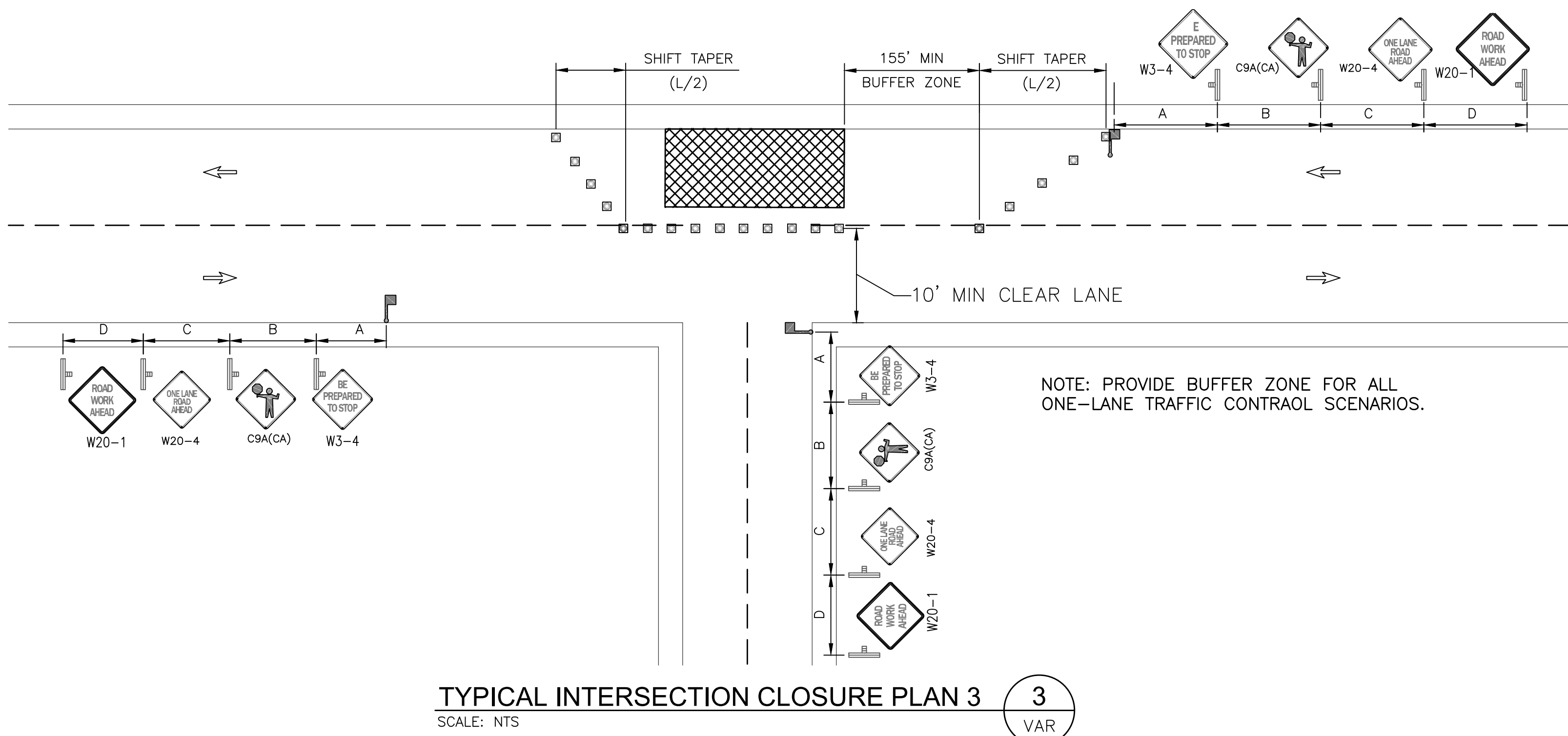
TYPICAL INTERSECTION CLOSURE PLAN 1  
SCALE: NTS

1  
VAR



TYPICAL INTERSECTION CLOSURE PLAN 2  
SCALE: NTS

2  
VAR



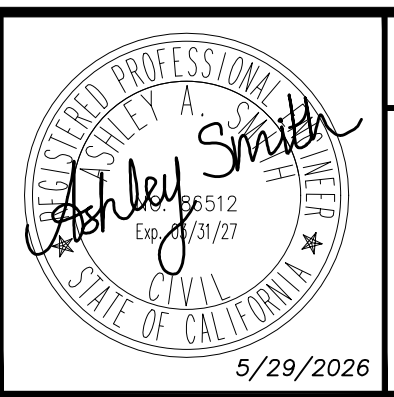
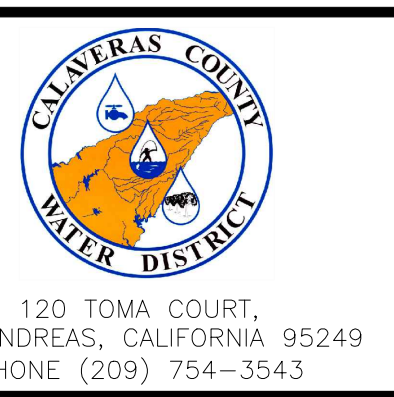
TYPICAL INTERSECTION CLOSURE PLAN 3  
SCALE: NTS

3  
VAR

NOTE:  
FULL ROAD CLOSURES ARE NOT PERMITTED  
AT ANY TIME.

REV	DATE	BY	DESCRIPTION

SCALE:	WARNING
DATE:	DESIGNED AAS
MAY 2026	DRAWN LAH/DG
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.	CHECKED KBB



COPPER COVE WATER SYSTEM IMPROVEMENTS PROJECT - LAKE TULLOCH INTER-TIE

TYPICAL INTERSECTION CLOSURE PLANS

BID SET

FIGURE T06

SHEET 28 OF 29