

ROAD NO.	JOB NO.	SHEET NO.	TOTAL SHEETS
2085	245R12B565	1	9

**COUNTY OF SAN LUIS OBISPO, CALIFORNIA  
PUBLIC WORKS DEPARTMENT  
DESIGN DIVISION**

APPROVED: May 31, 2013

Dave Flynn  
DEPUTY DIRECTOR OF PUBLIC WORKS



**INDEX OF SHEETS**

SHEET NO. 1	TITLE SHEET
SHEET NO. 2	GUARD RAIL AND WALL PLAN
SHEET NO. 3	ESA FENCING AND DIGGER LOG LOCATION DETAIL
SHEET NO. 4	TEMPORARY CREEK DIVERSION SYSTEM
SHEET NO. 5	CONSTRUCTION DETAILS
SHEET NO. 6	FISH HABITAT MITIGATION
SHEET NO. S-1	GENERAL PLAN, WALL ELEVATION, PILE SCHEDULE
SHEET NO. S-2	WALL SECTIONS, BARRIER, AND PILE PLAN SECTION
SHEET NO. S-3	PRECAST CONCRETE LAGGING PANEL ELEV. AND DETAILS

**SEE CANYON ROAD SLIP OUT REPAIR  
AVILA BEACH, CALIFORNIA  
COUNTY CONTRACT No. 245R12B565**

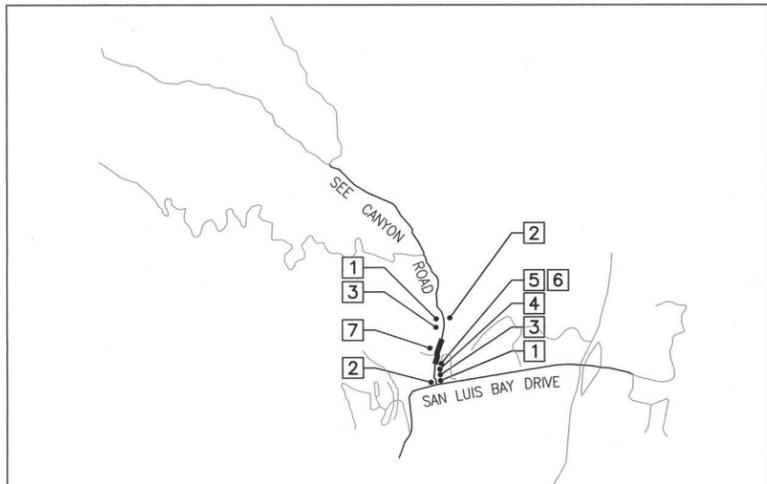
To Be Supplemented By State Standard Plans Dated May, 2006

THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE(S) AS SPECIFIED IN THE "NOTICE TO BIDDERS."

THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.



CALL BEFORE YOU DIG  
1-800-227-2600

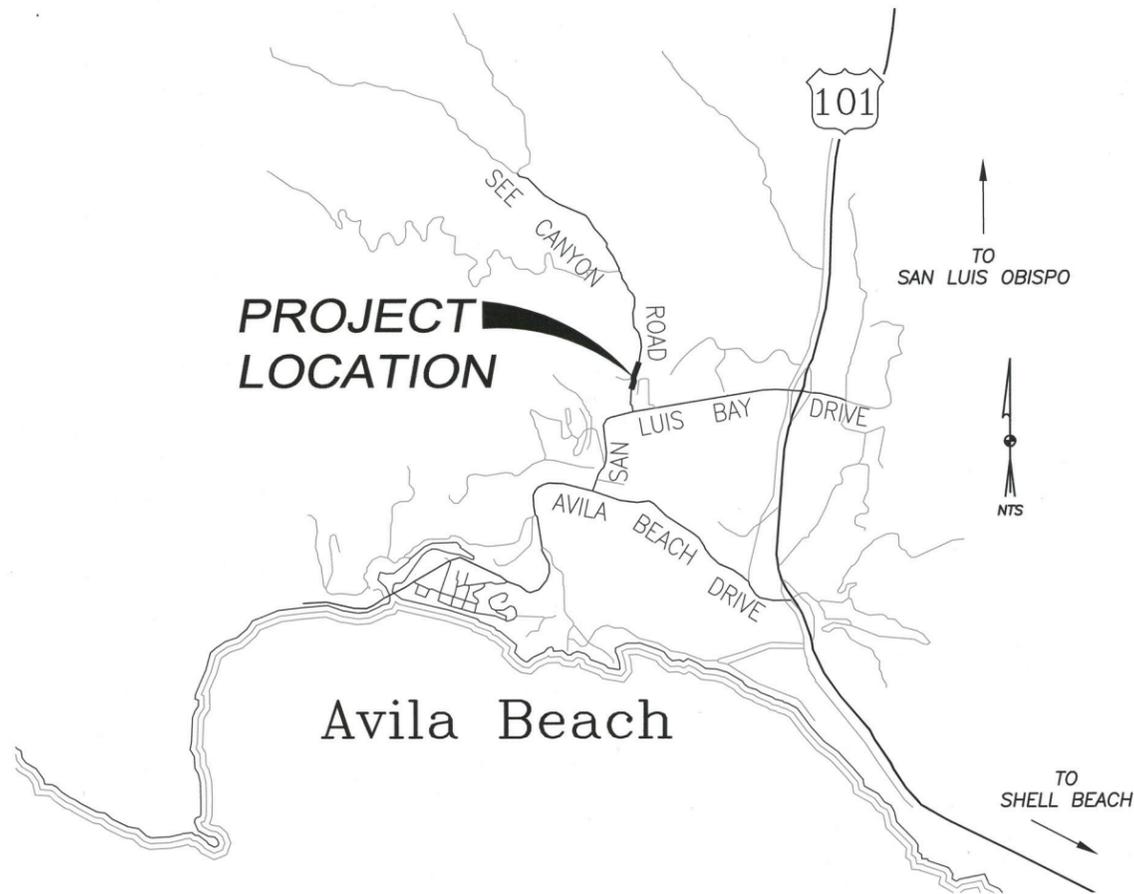


**LEGEND**

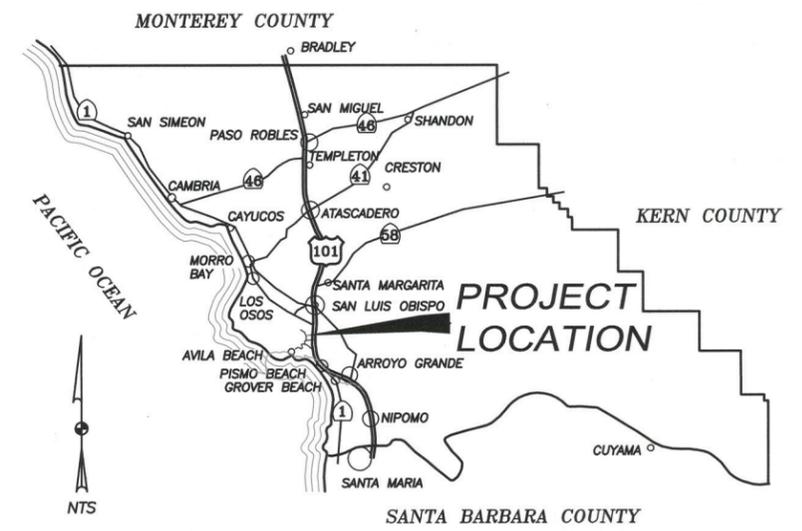
No.	Type	Size	Message	Quantity
1	W20-1	36"x36"	"ROAD WORK AHEAD" w Flashing Warning Light	2
2	G20-2	36"x18"	"END ROAD WORK"	2
3	W20-4	36"x36"	"ONE LANE ROAD AHEAD" w Flashing Warning Light	2
4	W3-2	30"x30"	Yield Ahead Symbol	1
5	R1-2	30"x30"	"YIELD"	1
6	R1-2aP	24"x18"	"TO ONCOMING TRAFFIC"	1
7	W1-4R	30"x30"	Reverse Curve Symbol	1

**NOTES:**

- All Signs Shall Be Stationary Mounted on 4x4 Wood Posts, Unless Noted Otherwise or as directed by the Engineer.
- All Construction Signs Shall be Placed Approximately 4' off the Edge of Roadway, the Exact Location and Position of Signs to be Determined by the Engineer.
- Sign Codes From 2012 California MUTCD for Streets and Highways.
- The Traffic Control System shall use Figure 6H-11. Lane Closure on a Two-Lane Road with Low Traffic Volumes (TA-11), modified as shown on sheet 5 of 9 of these Drawings.

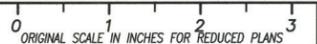


**LOCATION MAP**  
NO SCALE



**VICINITY MAP**  
NO SCALE

**CONSTRUCTION AREA SIGN PLAN**

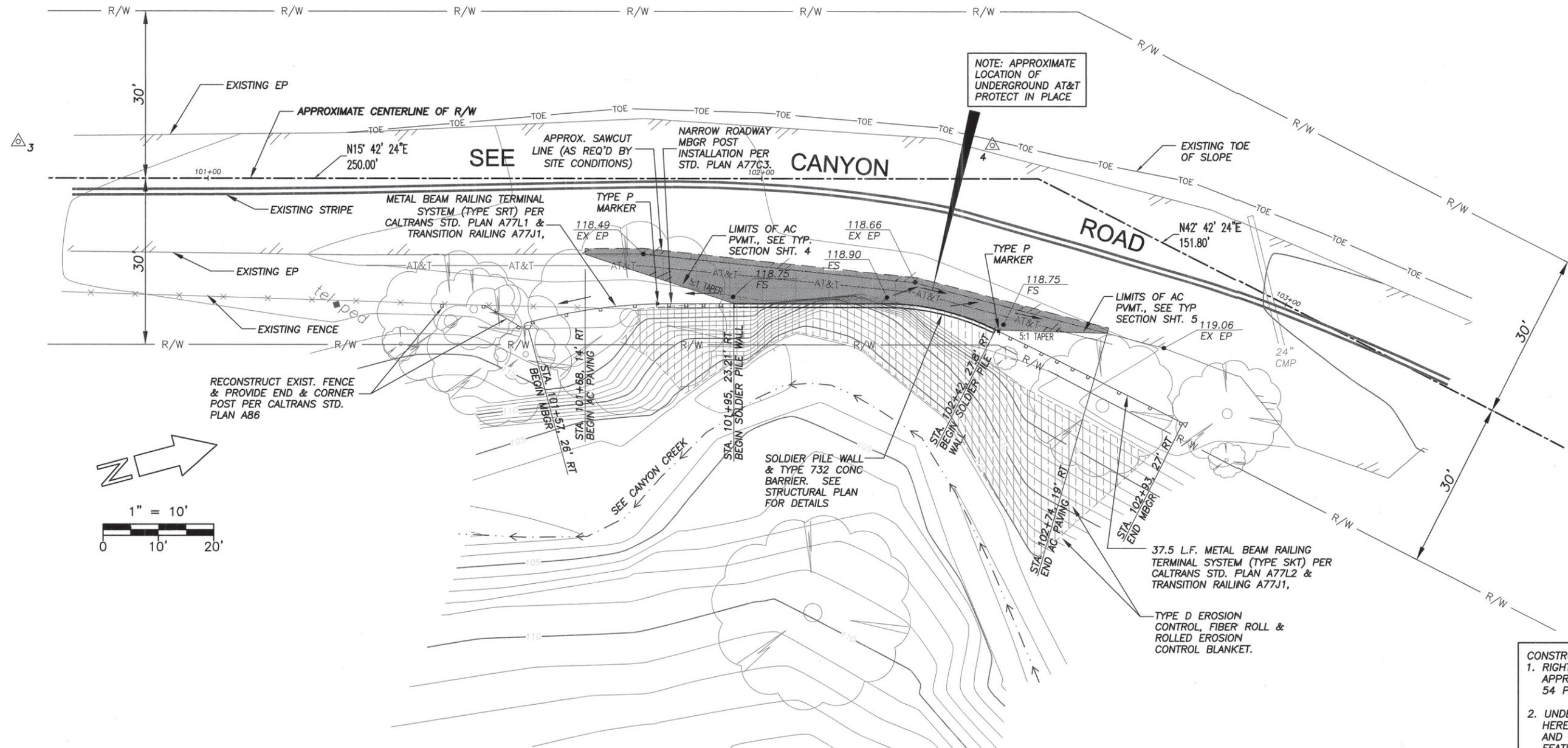


Matthew Reinhart 5/31/13  
PROJECT ENGINEER DATE

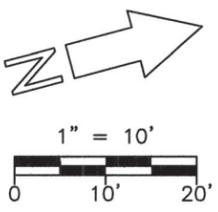


SEE CANYON ROAD SLIP OUT REPAIR							
TITLE SHEET							
AVILA BEACH, CA							
Designer	Date	Drawn By	Date	Design Engineer	Date		
M REINHART	4/13	C COX	4/13	J WERST	4/13		

ROAD NO.	JOB NO.	SHEET NO.	TOTAL SHEETS
2085	245R12B565	2	9



NOTE: APPROXIMATE LOCATION OF UNDERGROUND AT&T PROTECT IN PLACE



- CONSTRUCTION NOTES:**
- RIGHT OF WAY LINES ARE APPROXIMATE; LOCATION BASED ON 54 PM 52 AND 35 PM 10.
  - UNDERGROUND UTILITIES SHOWN HEREON ARE APPROXIMATE ONLY AND BASED UPON SURFACE FEATURES AND RECORD DRAWINGS.
  - EASEMENTS ON PROPERTIES ARE UNKNOWN, NO TITLE RESEARCH WAS PERFORMED.
  - THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

**SURVEY SITE CONTROL (STATION AND OFFSETS MEASURED FROM CONSTRUCTION CENTERLINE)**

NO.	STATION	OFFSET	DESCRIPTION	NORTHING	EASTING	ELEVATION
3	-	-	SET SPIKE AND TIN FOR CONTROL POINT 3	5635.0140'	4968.7238'	107.66'
4	102+41.72	5.97' LEFT	SET SPIKE FOR CONTROL POINT 4	6341.9044'	5164.3559'	119.87'

**DATUM AND BASIS OF BEARINGS**  
 COMPASS BEARING FROM MON WELL BRASS CAP TO FOUND SPIKE IN APPROXIMATE CENTERLINE OF SEE CANYON N7°30'00"W ASSUMED ELEV. AT 100 AT BRASS CAP IN MON WELL.

**LEGEND**  
 △ SET SURVEY CONTROL POINTS

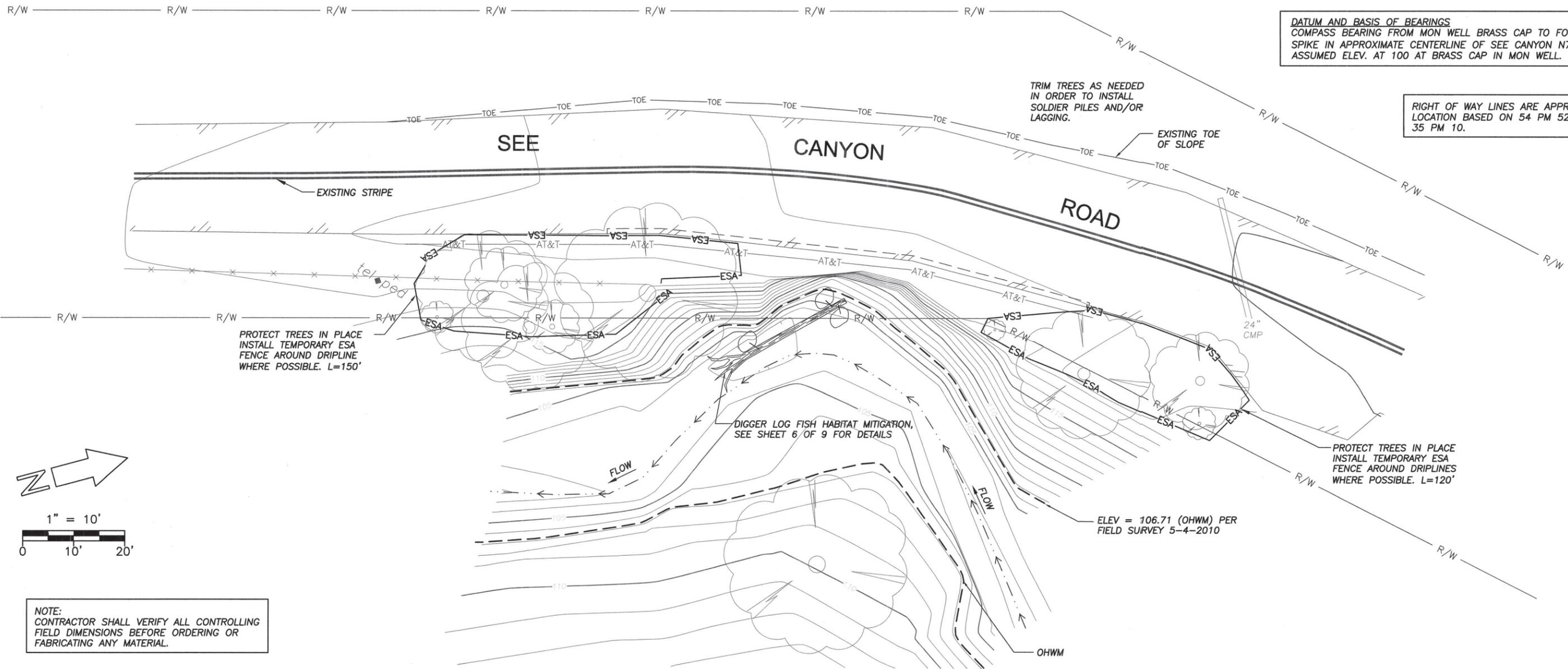


SEE CANYON ROAD SLIP OUT REPAIR GUARD RAIL AND WALL PLAN AVILA BEACH, CA					
Designer	Date	Drawn By	Date	Design Engineer	Date
M REINHART	4/13	C COX	4/13	J WERST	4/13

V:\AUTOCAD CIVIL 3D PROJECTS\CIVIL 3D 2011\Avila\See Canyon Road Slip out Repair\Bases.dwg, 5/30/2013 4:18:20 PM, HP Designjet T2300ps PS3Veilum.pc3

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

ROAD NO.	JOB NO.	SHEET NO.	TOTAL SHEETS
2085	245R12B565	3	9



**DATUM AND BASIS OF BEARINGS**  
 COMPASS BEARING FROM MON WELL BRASS CAP TO FOUND SPIKE IN APPROXIMATE CENTERLINE OF SEE CANYON N7°30'00"W ASSUMED ELEV. AT 100 AT BRASS CAP IN MON WELL.

RIGHT OF WAY LINES ARE APPROXIMATE; LOCATION BASED ON 54 PM 52 AND 35 PM 10.

TRIM TREES AS NEEDED IN ORDER TO INSTALL SOLDIER PILES AND/OR LAGGING.

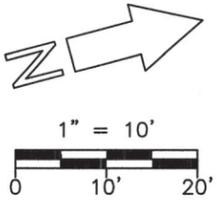
EXISTING TOE OF SLOPE

PROTECT TREES IN PLACE INSTALL TEMPORARY ESA FENCE AROUND DRIPLINE WHERE POSSIBLE. L=150'

PROTECT TREES IN PLACE INSTALL TEMPORARY ESA FENCE AROUND DRIPLINES WHERE POSSIBLE. L=120'

DIGGER LOG FISH HABITAT MITIGATION, SEE SHEET 6 OF 9 FOR DETAILS

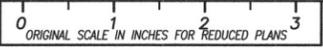
ELEV = 106.71 (OHWM) PER FIELD SURVEY 5-4-2010



**NOTE:**  
 CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

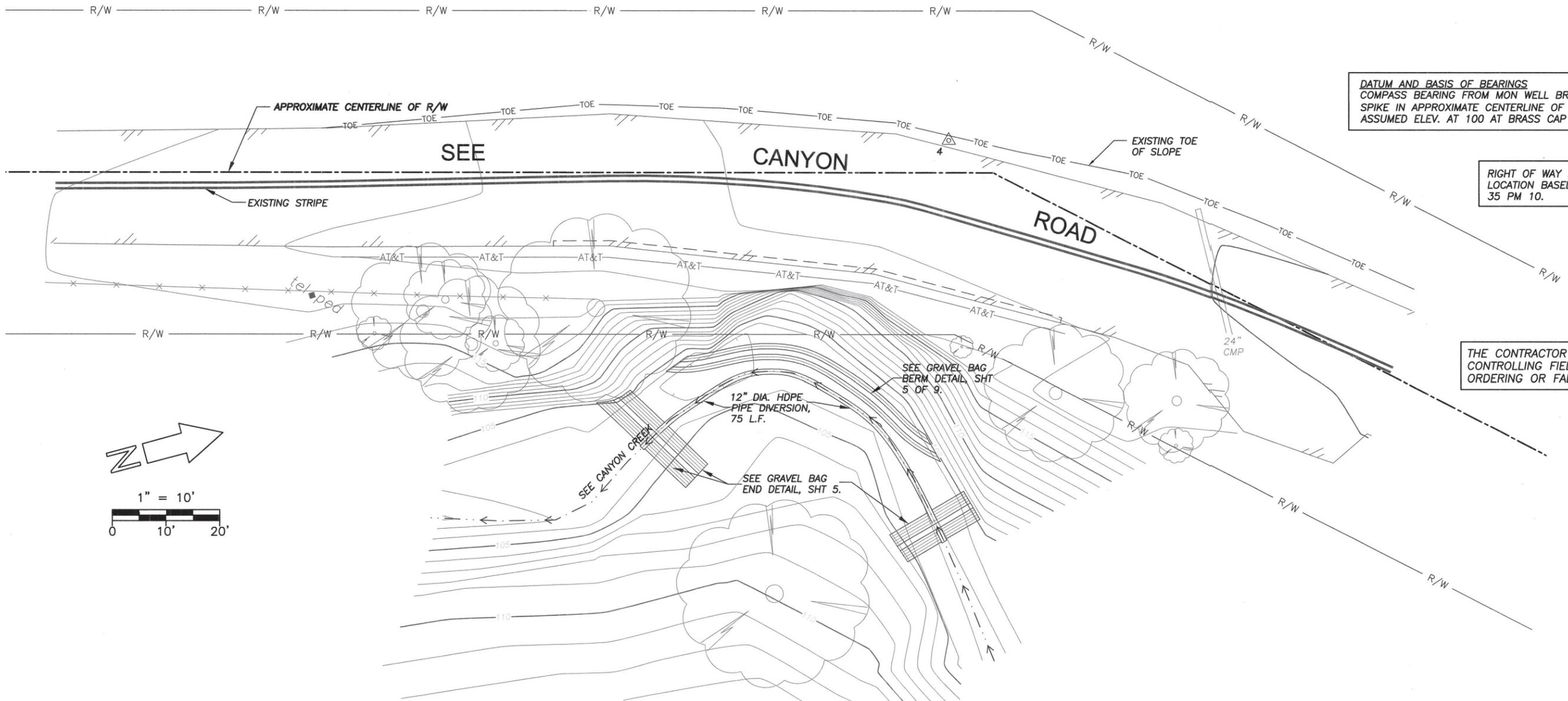


SEE CANYON ROAD SLIP OUT REPAIR					
ESA FENCE AND DIGGER LOG LOCATION DETAIL					
AVILA BEACH, CA					
Designer	Date	Drawn By	Date	Design Engineer	Date
M REINHART	4/13	C COX	4/13	J WERST	4/13



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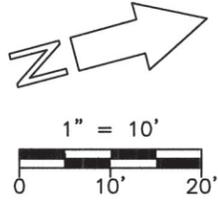
ROAD NO.	JOB NO.	SHEET NO.	TOTAL SHEETS
2085	245R12B565	4	9



**DATUM AND BASIS OF BEARINGS**  
 COMPASS BEARING FROM MON WELL BRASS CAP TO FOUND SPIKE IN APPROXIMATE CENTERLINE OF SEE CANYON N7°30'00"W ASSUMED ELEV. AT 100 AT BRASS CAP IN MON WELL.

RIGHT OF WAY LINES ARE APPROXIMATE; LOCATION BASED ON 54 PM 52 AND 35 PM 10.

THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.



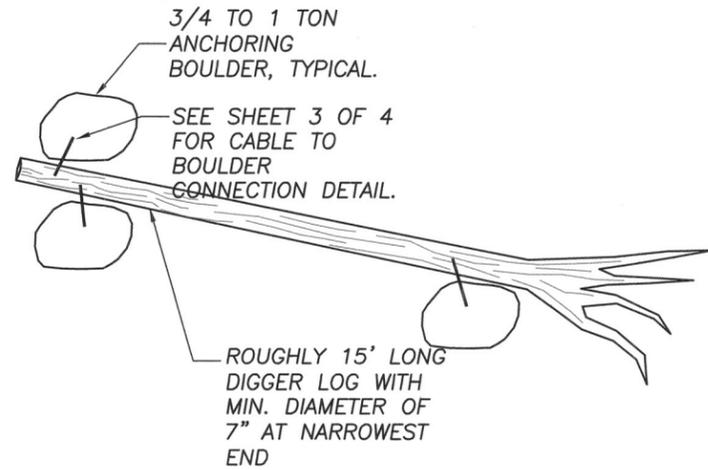
<b>SEE CANYON ROAD SLIP OUT REPAIR</b>					
<b>TEMPORARY CREEK DIVERSION SYSTEM</b>					
<b>AVILA BEACH, CA</b>					
Designer	Date	Drawn By	Date	Design Engineer	Date
M REINHART	4/13	C COX	4/13	J WERST	4/13

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0 1 2 3  
 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS



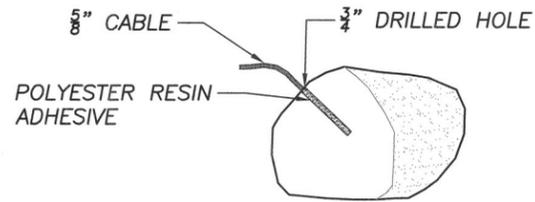
ROAD NO.	JOB NO.	SHEET NO.	TOTAL SHEETS
2085	245R12B565	6	9



**TYPICAL DIGGER LOG DETAIL**  
NO SCALE

**TYPICAL DIGGER LOG DETAIL NOTES**

1. THE DIGGER LOG SHALL BE A ROUGHLY 15 FEET IN TOTAL LENGTH AND SHALL NOT BE LESS THAN 7 INCHES IN DIAMETER AT THE NARROWEST POINT (NOT INCLUDING BARK LAYER IF PRESENT).
2. LOG ANCHORS ARE TO BE MADE OF BOULDERS APPROXIMATELY 31 TO 34 INCHES IN DIAMETER (WEIGHTING 3/4 TO 1 TON).
3. SECURE DIGGER LOG TO TWO TO THREE BOULDERS BURYING AT LEAST ONE-THIRD OF THE LENGTH OF THE LOG INTO THE BANK.
4. ANCHORS MUST BE SECURED TO A LOG ON BOTH ENDS OF THE LOG.
5. TIGHTLY SECURE LOG TO BOULDERS WITH CABLES SUCH THAT THE LOG DOES NOT FLOAT WHEN WATER INUNDATES THE LOG DURING HIGH FLOWS.
6. POSITION THE LARGER "TRUNK END" OF THE LOG IN THE DOWNSTREAM DIRECTION OF THE CREEK AT ROUGHLY 20' TO THE STREAM BANK.
7. THE POSITIONING OF THIS TYPICAL DIGGER LOG DETAIL IS SUBJECT TO CHANGE OR MODIFICATION DUE TO THE INHERIT CHANGING CONDITIONS TYPICALLY FOUND IN A STREAM BOTTOM.
8. FOR THE CONNECTION OF THE CABLE TO THE BOULDERS, SEE "CABLE TO BOULDER CONNECTION DETAIL."
9. FOR MORE INFORMATION ON USING DIGGER LOGS FOR STREAM HABITAT, SEE THE SALMONID STREAM HABITAT RESTORATION MANUAL, PAGE VII-26 AT THE FOLLOWING LINK:  
[HTTP://WWW.DFG.CA.GOV/FISH/RESOURCES/HABITATMANUAL.ASP](http://www.dfg.ca.gov/fish/resources/habitatmanual.asp)

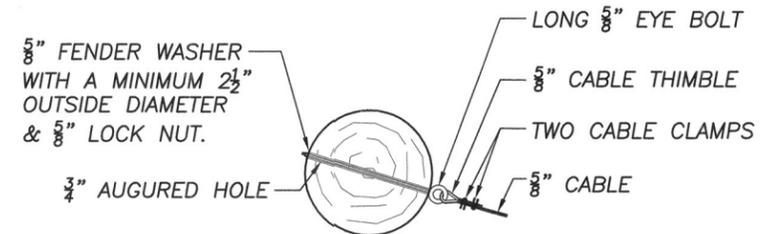


**CABLE TO BOULDER CONNECTION DETAIL**  
NO SCALE

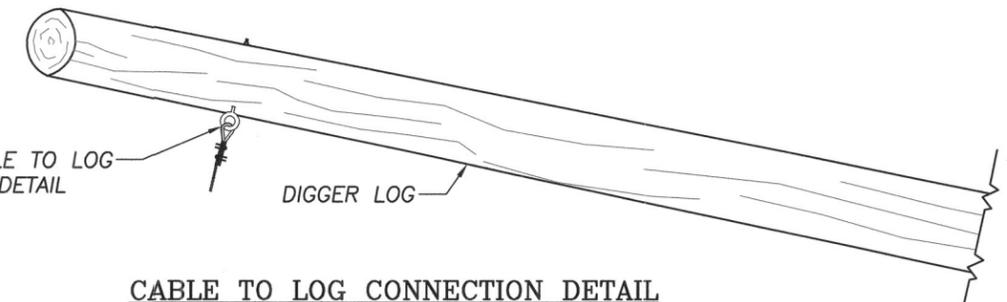
**CABLE TO BOULDER CONNECTION NOTES**

1. SECURE CABLE TO STONE BY USING POLYESTER RESIN ADHESIVE CAPABLE OF BEING USED IN WET AND DRY CONDITIONS.
2. READ AND FOLLOW ALL MANUFACTURER'S DIRECTIONS ON POLYESTER RESIN ADHESIVE LABEL BEFORE USE.
3. THE DRILL HOLE DIAMETER MUST BE NO MORE THAN 1/8-INCH LARGER THAN THE CABLE DIAMETER AND APPROXIMATELY 10 INCHES DEEP.
4. CLEAN DEBRIS FROM DRILL HOLES WITH BRUSH AND WATER OR COMPRESSED AIR. WHEN CLEANING WITH WATER, USE CLEAR AND CLEAN WATER TO THOROUGHLY CLEAN DRILLED HOLES TO MAKE SURE POLYESTER RESIN ADHESIVE BONDS TO ROCK.
5. TO GET ADHESIVE TO BOND TO CABLE, CLEAN THE PORTION OF CABLE THAT WILL BE IN CONTACT WITH ADHESIVE WITH ACETONE OR MURIATIC ACID. THE CABLE MUST BE ABSOLUTELY FREE OF OIL OR GREASE FOR A GOOD BOND.
6. WHEN USING ACETONE OR MURIATIC ACID TO CLEAN CABLE, THE CLEANING MUST BE DONE AWAY FROM STREAM TO PREVENT ANY ACCIDENTAL SPILL.
7. FOR MORE INFORMATION ON CABLING TO BOULDERS, SEE THE SALMONID STREAM HABITAT RESTORATION MANUAL, PAGE VII-10 AT THE FOLLOWING LINK:  
[HTTP://WWW.DFG.CA.GOV/FISH/RESOURCES/HABITATMANUAL.ASP](http://www.dfg.ca.gov/fish/resources/habitatmanual.asp)

NOTE:  
CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.



**CABLE TO LOG SECTION DETAIL**  
NO SCALE



**CABLE TO LOG CONNECTION DETAIL**  
NO SCALE

**CABLE TO LOG CONNECTION NOTES**

1. AT EACH CABLE TO LOG CONNECTION, DRILL A HOLE COMPLETELY THROUGH THE CENTER OF THE LOG WITH A 3/4" AUGER BIT.
2. INSERT AN 5/8"-11 EYE BOLT OF SUFFICIENT LENGTH SUCH THAT IT PROTRUDES AT LEAST ONE INCH THROUGH THE LOG TO THE OTHER SIDE.
3. SLIP A 5/8" FENDER WASHER ONTO THE END OF THE EYE BOLT AND SECURE WITH A 5/8" HEXAGONAL TWIN LOCK NUT OR APPROVED EQUAL (SEE LOCK NUT DETAIL TO THE LEFT).
4. SLIP A 5/8" CABLE THIMBLE OVER THE EYE BOLT, THREAD THE CABLE AROUND THE THIMBLE, AND CLAMP THE CABLE BACK ON ITSELF WITH TWO CABLE CLAMPS.

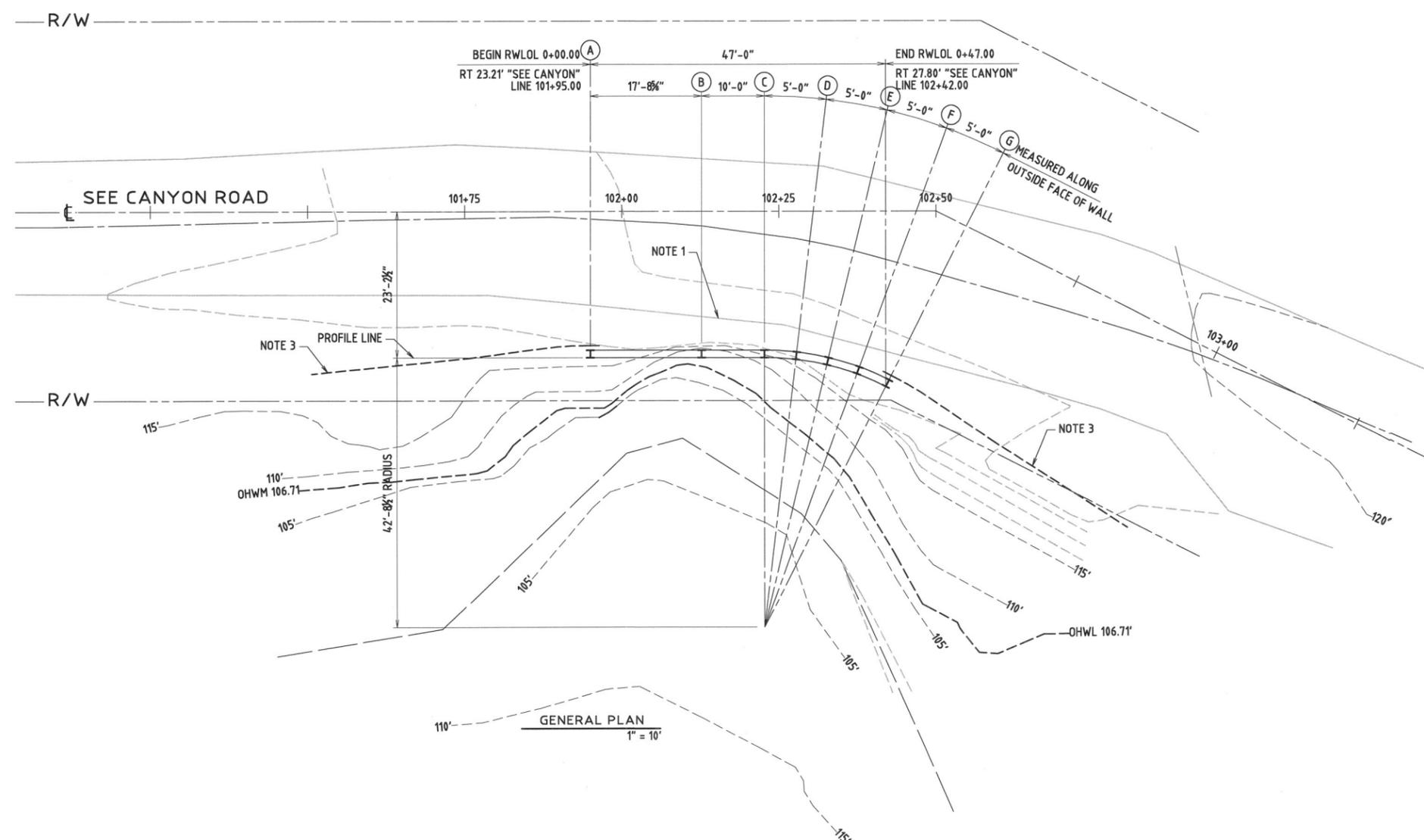


**HEXAGONAL TWIN LOCK NUT DETAIL**  
NO SCALE



SEE CANYON ROAD SLIP OUT REPAIR					
FISH HABITAT MITIGATION					
AVILA BEACH, CA					
Designer	Date	Drawn By	Date	Design Engineer	Date
M REINHART	4/13	C COX	4/13	J WERST	4/13

0 1 2 3  
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS



**REFERENCE NOTES**

- APPROXIMATE LINE OF EXISTING PAVEMENT. SAWCUT AND BACK PAVE AS REQUIRED
- APPROXIMATE LINE OF EXISTING GRADE BEHIND WALL
- METAL BEAM GUARD RAIL --- SEE CIVIL ENGINEERING DRAWINGS FOR DETAILS AND CONFIGURATION
- APPROXIMATE LINE OF FINISH GRADE BEHIND WALL
- APPROXIMATE LINE OF SANDSTONE TO BE ESTABLISHED BY GEOTECHNICAL ENGINEER AT TIME OF EXCAVATION
- APPROXIMATE LINE OF EXISTING GRADE IN FRONT OF WALL
- W14 OR HP14 SOLDIER PILE --- FOR SIZE SEE PILE SCHEDULE
- PRECAST CONCRETE LAGGING PANEL --- SEE DETAILS SHEET S-3
- APPROXIMATE LOCATION OF LAGGING DRAIN SEE (P/S-3) INSTALL DRAIN AT A VERTICAL LOCATION WHICH WILL BE BETWEEN 6" AND 2'-0" ABOVE FINISH GRADE IN THE COMPLETED WALL
- CONCRETE BARRIER - TYPE 732 (MODIFIED)

**GENERAL NOTES**

**DESIGN:** CALIFORNIA BUILDING CODE (CBC), 2007 BASED ON 2006 IBC

**SOIL PARAMETERS:** ACTIVE PRESSURE: 45 PCF  
PASSIVE PRESSURE: 600 PCF TO A MAXIMUM OF 3,000 PCF

**SEISMIC LOAD:** INCREMENTAL LOAD  $P_{ae} = 5.0 \times H \times H \text{ PLF}$

**REINFORCED CONCRETE:** REINFORCING STEEL: ASTM A615 OR ASTM A706  
CONCRETE: 3000 PSI AT 28 DAYS

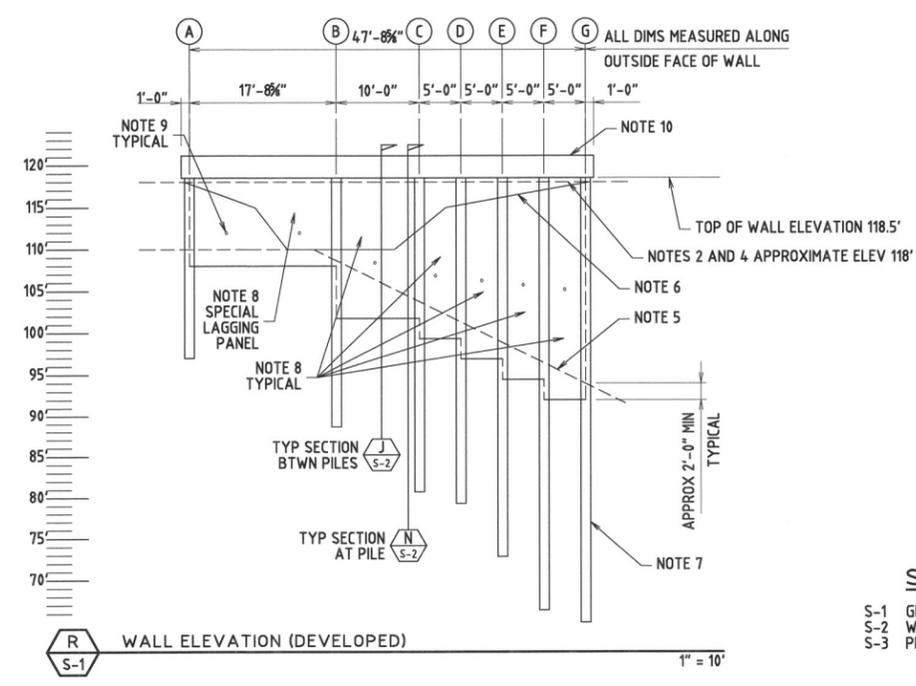
**STEEL PILING:** ASTM A36, A572 GRADE 50, OR A992.

**STANDARD PLANS- 2006 EDITION**

STANDARD PLAN	DESCRIPTION
B11-55	CONCRETE BARRIER TYPE 732

**REFERENCE TO STANDARD PLANS**

(B11-55) INDICATES STANDARD PLAN SHEET NUMBER  
( ) INDICATES DETAIL (IF ANY)



**PILE SCHEDULE**

LINE NUMBER	×STATION	××OFFSET RIGHT	PILE SIZE	××× EMBEDMENT DEPTH
A	101+95.00	23.21'	HP14x73	13'-0"
B	102+12.72	23.21'	HP14x73	20'-0"
C	102+22.72	23.21'	HP14x117	23'-0"
D	102+27.71	23.50'	HP14x117	22'-0"
E	102+32.63	24.38'	W14x145	26'-0"
F	102+37.42	25.81'	W14x211	30'-0"
G	102+42.00	27.80'	W14x145	29'-0"

**STRUCTURAL SHEET INDEX**

- S-1 GENERAL PLAN, WALL ELEVATION, PILE SCHEDULE
- S-2 WALL SECTIONS, BARRIER, AND PILE PLAN SECTION
- S-3 PRECAST CONCRETE LAGGING PANEL ELEV AND DETAILS

× STATION AT CENTERLINE OF PILE WEB AT OUTSIDE FACE OF PILE  
×× OFFSET RIGHT AT CENTERLINE OF PILE AT OUTSIDE FACE OF PILE  
××× EMBEDMENT DEPTH BELOW TOP OF ROCK LAYER

REVISED: 23-MAY-13  
REVISED: 01-MAY-12

SEE CANYON SLIP-OUT REPAIR, AVILA BEACH  
GENERAL PLAN, WALL ELEVATION, PILE SCHEDULE  
FOR: DEPARTMENT OF PUBLIC WORKS  
COUNTY OF SAN LUIS OBISPO, CALIFORNIA



BY: DMC, JCB

DATE: 30-MAY-13

JOB: 210004

SHEET

S-1

Contractor shall assume sole and complete responsibility for the job site conditions during the course of this project including safety of all persons and property. This requirement shall apply continuously, and not be limited to any and all liability, real or alleged, in connection with performance of work on this project except for liability arising from this site negligence of the Engineer or Owner. These plans and specifications, and the ideas and designs incorporated herein, are instruments of service prepared by the Engineer and shall not be used in whole or in part for any other project without written authority of Applied Engineering. Copyright © 2013 Applied Engineering. All rights reserved. Copies of this drawing shall have this notice.

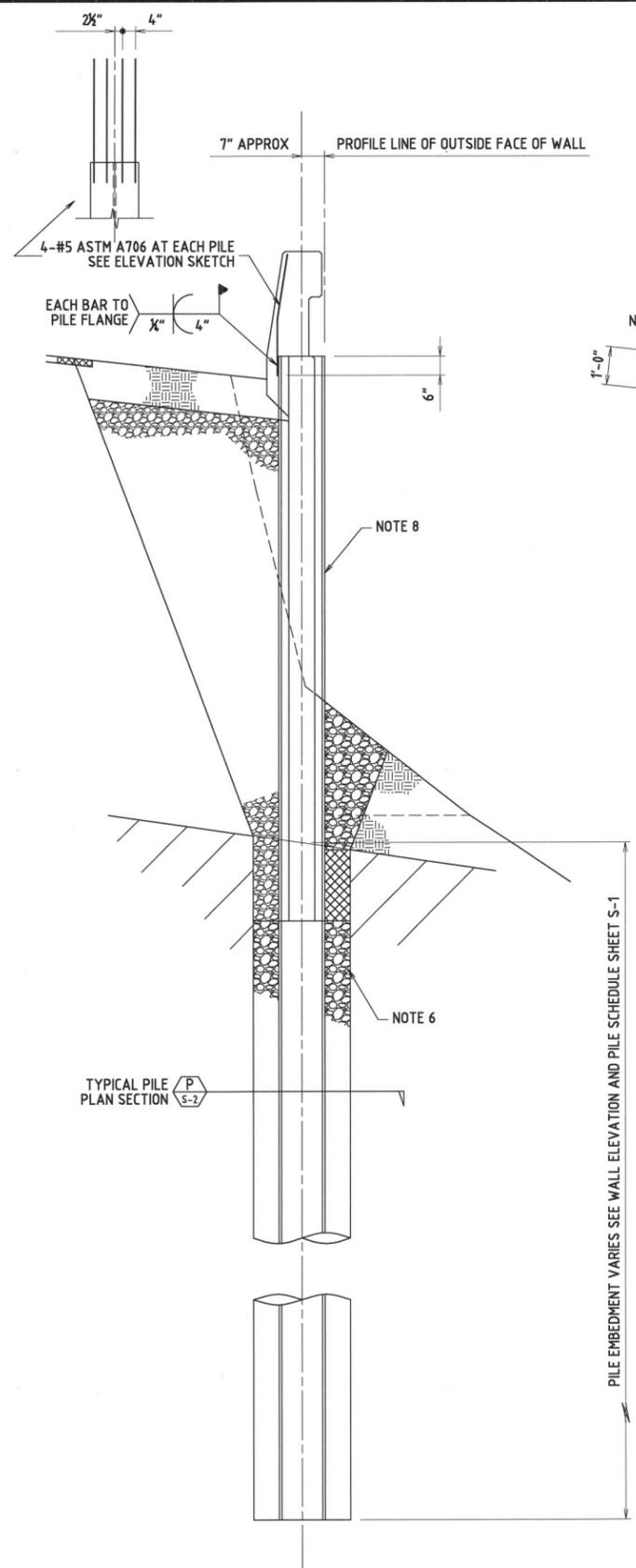
**NOTE**

FOR GENERAL STRUCTURAL NOTES, INCLUDING MIX DESIGN, SHOP DRAWING AND SPECIAL INSPECTION REQUIREMENTS, SEE SPECIAL PROVISIONS SECTION 10.2 A COPY OF THIS SECTION OF THE SPECIAL PROVISIONS IS AVAILABLE FOR INSPECTION AT THE OFFICE OF THE ENGINEER WHOSE SEAL AND SIGNATURE APPEARS ON THE SHEETS LISTED IN THE STRUCTURAL SHEET INDEX HEREIN.

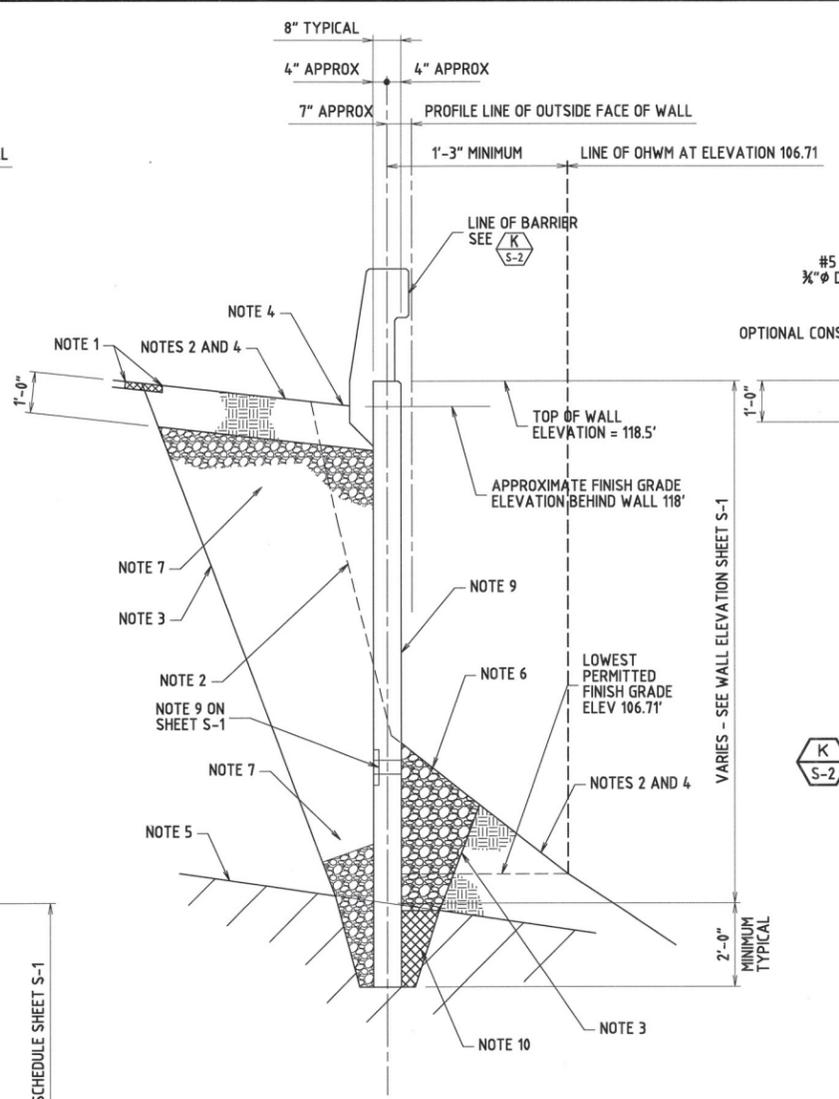
**NOTE**

THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS PRIOR TO ORDERING OR FABRICATING ANY STRUCTURAL ELEMENTS

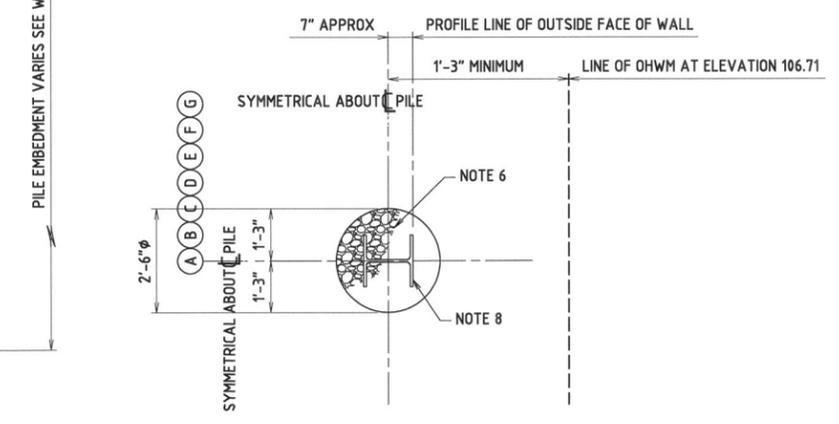
E:\ACT\AE\projects\County\SLO\SeeCym\SeeCym.dwg, 5/30/2013 10:59:31 AM



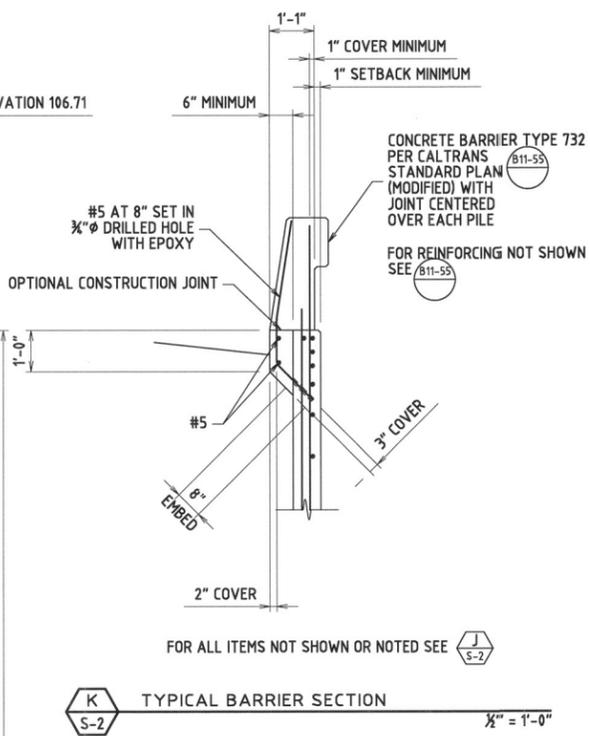
(N S-2) TYPICAL WALL SECTION AT PILE  $\frac{1}{2}'' = 1'-0''$



(J S-2) TYPICAL WALL SECTION BETWEEN PILES  $\frac{1}{2}'' = 1'-0''$



(P S-2) TYPICAL PILE PLAN SECTION  $\frac{1}{2}'' = 1'-0''$



(K S-2) TYPICAL BARRIER SECTION  $\frac{1}{2}'' = 1'-0''$

**REFERENCE NOTES**

1. APPROXIMATE LINE OF EXISTING PAVEMENT. SAWCUT AND REPLACE AS REQUIRED. SEE SHEET 5 OF 9 OF CIVIL ENGINEERING DRAWINGS FOR TYPICAL STRUCTURAL PAVEMENT SECTION.
2. APPROXIMATE LINE OF EXISTING GRADE
3. APPROXIMATE LINE EXCAVATION- SLOPE PER GEOTECHNICAL ENGINEER
4. APPROXIMATE LINE OF FINISHED GRADE
5. APPROXIMATE LINE OF SANDSTONE TO BE ESTABLISHED BY GEOTECHNICAL ENGINEER AT TIME OF EXCAVATION
6. BACKFILL GRAVEL AROUND PILE AND IN FRONT OF WALL AS SHOWN COMPACT PER SPECIAL PROVISIONS SECTION 10-2.020
7. DRAINAGE GRAVEL BEHIND WALL AS SHOWN. COMPACT PER SPECIAL PROVISIONS SECTION 10-2.020
8. W14 OR HP 14 SOLDIER PILE -- FOR SIZE SEE PILE SCHEDULE SHEET S-1
9. PRECAST CONCRETE LAGGING -- SEE DETAILS SHEET S-3
10. CEMENT GROUT -- SEE SPECIAL PROVISIONS SECTION 10-2.028(A)

**NOTE**  
 THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS PRIOR TO ORDERING OR FABRICATING ANY STRUCTURAL ELEMENTS

REVISED: 23-MAY-13  
 REVISED: 01-MAY-12



SEE CANYON SLIP-OUT REPAIR, AVILA BEACH WALL SECTIONS, BARRIER, AND PILE PLAN SECTION  
 FOR: DEPARTMENT OF PUBLIC WORKS  
 COUNTY OF SAN LUIS OBISPO, CALIFORNIA

**APPLIED ENGINEERING**  
 P.O. Box 4445  
 San Luis Obispo, California 93403  
 805/544-5884

BY: DMC, JCB

DATE: 30-MAY-13

JOB: 210004

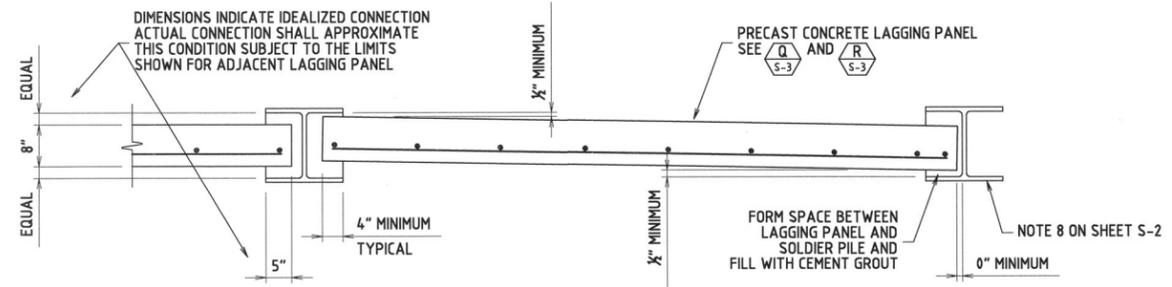
**SHEET**

**S-2**

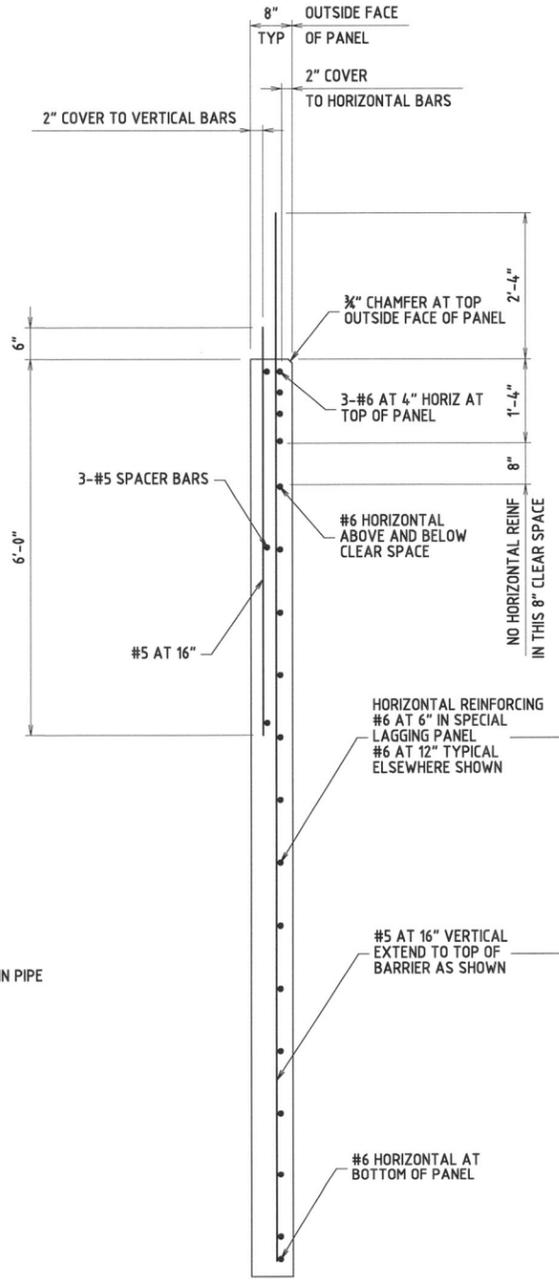
Contractor shall verify all dimensions and conditions for the site conditions during the course of this project including safety of all persons and property. This requirement shall apply continuously and not be limited to normal working hours. The contractor shall defend, indemnify and hold the Engineer and Owner harmless for any and all claims, damages, costs and expenses, including reasonable attorney's fees, arising from the performance of work on this project except for those claims, damages, costs and expenses which are caused by the negligence of the Engineer or Owner. These plans and specifications, and the ideas and designs incorporated herein, are instruments of service prepared for the construction of the work shown hereon, are the property of Applied Engineering, and shall not be used in whole or in part for any other project without written authority of Applied Engineering. All rights reserved. Copyright © 2013 Applied Engineering. All rights reserved. Copies of this drawing shall have this notice.



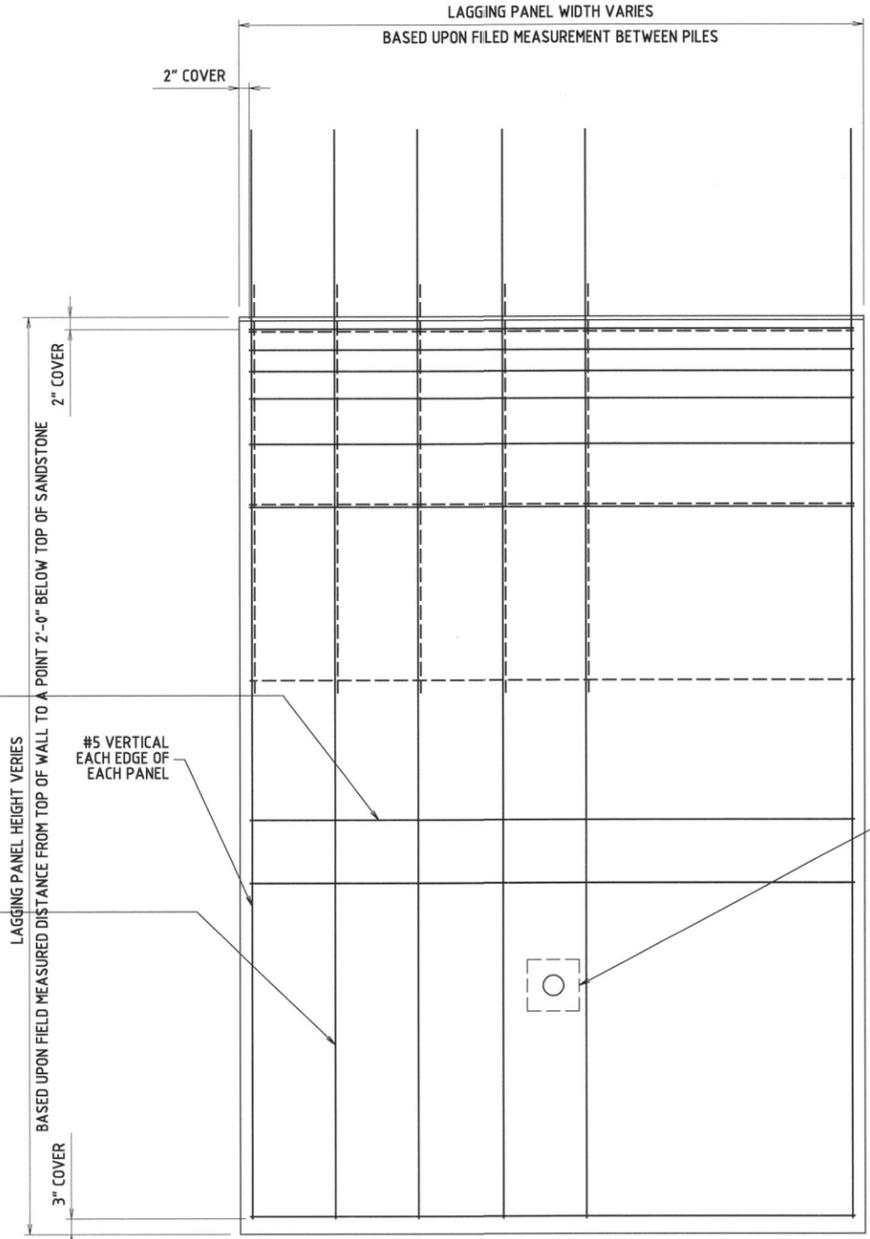
C/SO/17



**F** PRECAST CONCRETE LAGGING PANEL PLAN SECTION AT SOLDIER PILES  $\frac{3}{8}'' = 1'-0''$



**Q** PRECAST CONCRETE LAGGING PANEL SECTION  $\frac{3}{8}'' = 1'-0''$

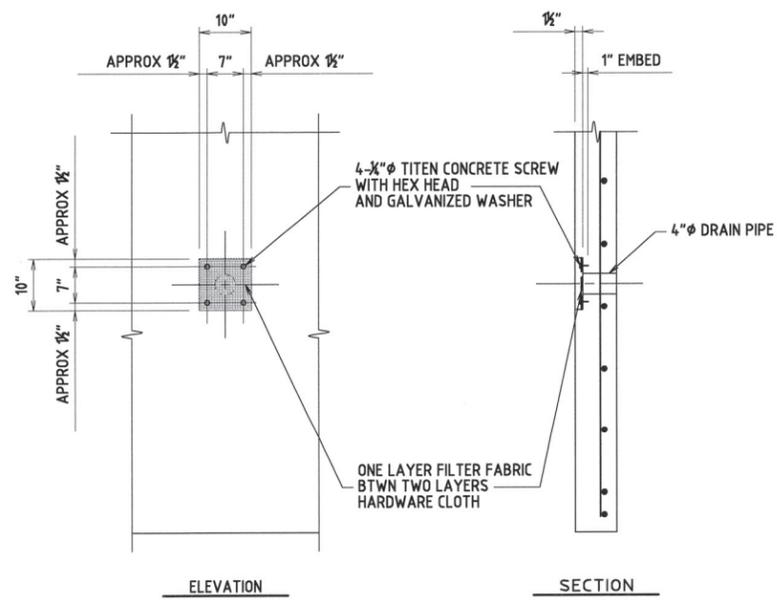


**R** TYPICAL AND SPECIAL PRECAST CONCRETE LAGGING PANEL ELEVATION SHOWN LOOKING AT OUTSIDE FACE OF PANEL  $\frac{3}{8}'' = 1'-0''$

DO NOT LIFT TYPICAL LAGGING PANELS FROM THE TOP EDGE WHEN THEY ARE LAYING FLAT

DRAIN APPROXIMATELY CENTERED ON EACH TYPICAL PANEL TWO DRAINS AT APPROXIMATELY ONE-THIRD POINTS ON SPECIAL PANEL SEE P AND NOTE 9 ON SHEET S-1

**NOTE**  
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS PRIOR TO ORDERING OR FABRICATING ANY STRUCTURAL ELEMENTS



**P** PRECAST CONCRETE LAGGING DRAIN DETAILS  $\frac{3}{8}'' = 1'-0''$

SEE CANYON SLIP-OUT REPAIR, AVILA BEACH  
PRECAST CONCRETE LAGGING PANEL ELEV AND DETAILS  
FOR: DEPARTMENT OF PUBLIC WORKS  
COUNTY OF SAN LUIS OBISPO, CALIFORNIA

**APPLIED ENGINEERING**  
P.O. Box 4445  
San Luis Obispo, California 95403  
805/544-2884

BY: DMC, JCB

DATE: 30-MAY-13

JOB: 210004

SHEET

S-3

REVISED: 23-MAY-13  
REVISED: 01-MAY-12

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