

COUNTY OF SANTA BARBARA
STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

PLANS FOR THE CONSTRUCTION OF
GOLETA BEACH PARK ACCESS ROAD AT GOLETA SLOUGH

REPLACEMENT PROJECT BRIDGE No. 51C-0158
COUNTY PROJECT No. 862319

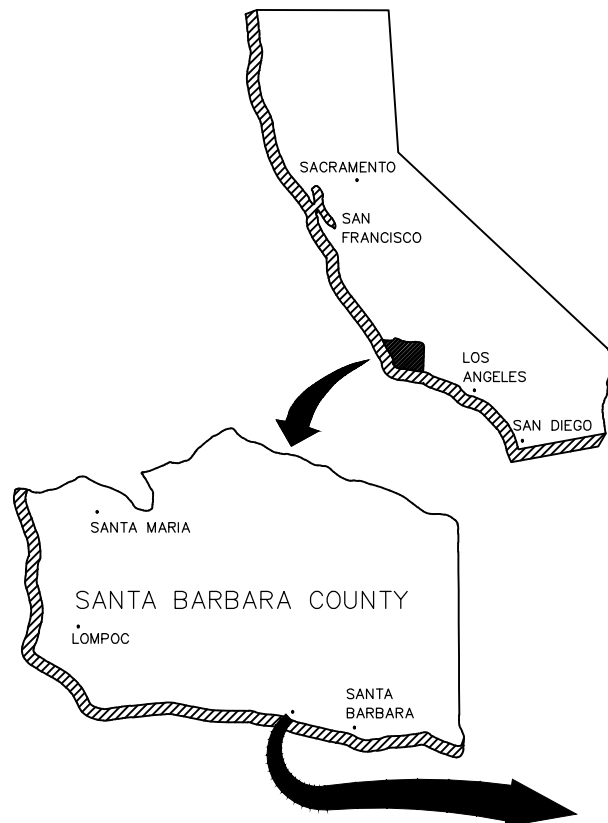
FEDERAL AID PROJECT No. BRLO-5951 (120)

TO BE SUPPLEMENTED BY THE STATE OF CALIFORNIA STANDARD PLANS DATED 2010

APPROVED - CHAIRMAN, BOARD OF SUPERVISORS _____ DATE _____

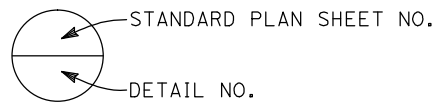
APPROVED - DIRECTOR OF PUBLIC WORKS _____ DATE _____

APPROVAL RECOMMENDED - ENGINEERING SECTION MANAGER _____ DATE _____

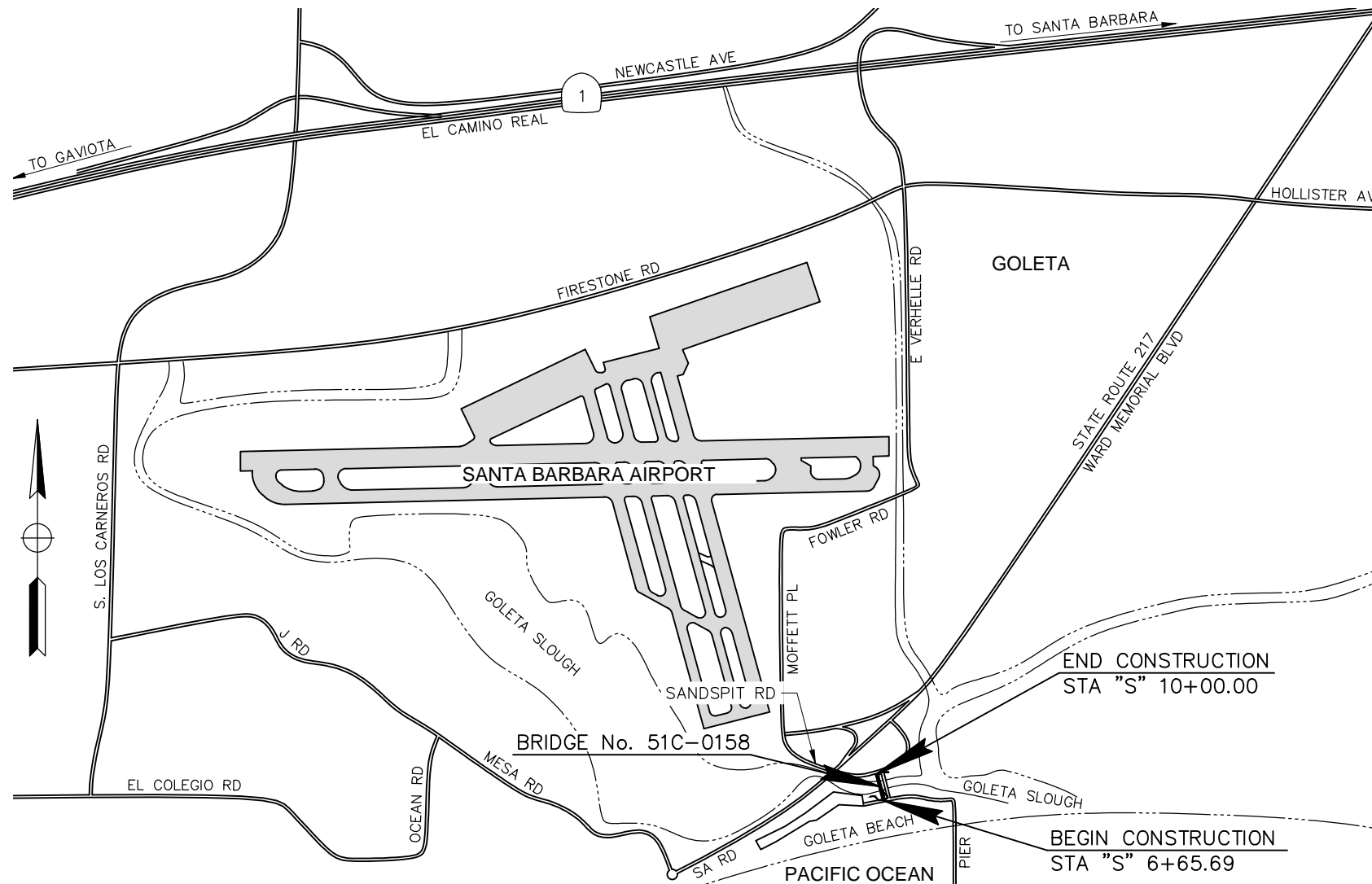


INDEX TO STD DETAILS AND PLANS

- A10A Abbreviations (sheet 1 of 2)
- A10B Abbreviations (sheet 2 of 2)
- A10C Lines and Symbols (sheet 1 of 3)
- A10D Lines and Symbols (sheet 2 of 3)
- A10E Lines and Symbols (sheet 3 of 3)
- A10F Legend - Soil (Sheet 1 of 2)
- A10G Legend - Soil (Sheet 2 of 2)
- A10H Legend - Rock
- A62C Limits of Payment for Excavation and Backfill- Bridge
- B0-1 Bridge Details
- B0-3 Bridge Details
- B0-5 Bridge Details
- B0-13 Bridge Details
- B6-21 Joint Seals (Maximum Movement Rating = 2")
- B7-1 Box Girder Details
- B7-6 Deck Drains - Types D-1 and D-2
- B7-8 Deck Drainage Details
- B7-10 Utility Opening - Box Girder
- B7-11 Utility Details
- B8-5 Cast-in-Place Prestressed Girder Details
- B11-54 Concrete Barrier Type 26
- B11-55 Concrete Barrier Type 732
- B14-3 Communication and Sprinkler Control Conduits (Conduits less than 4")



Know what's below.
Call 811 before you dig.



VICINITY MAP
NO SCALE

INDEX TO SHEETS

- ROAD PLANS
- 1 TITLE AND LOCATION MAP
- 2-3 TYPICAL CROSS SECTIONS
- 4-5 LAYOUTS
- 6-8 PROFILES
- 9-11 CONSTRUCTION DETAILS
- 12-13 TEMPORARY WATER POLLUTION CONTROL PLANS
- 14 EROSION CONTROL DETAILS
- 15 DRAINAGE PLAN
- 16 DRAINAGE PROFILES
- 17 DRAINAGE DETAILS
- 18 UTILITY PLAN
- 19-23 STAGE CONSTRUCTION AND TRAFFIC HANDLING
- 24-25 PAVEMENT DELINEATION AND SIGN PLANS
- BRIDGE PLANS
- 26 GENERAL PLAN
- 27 DECK CONTOURS
- 28 FOUNDATION PLAN
- 29 ABUTMENT 1 LAYOUT
- 30 ABUTMENT 3 LAYOUT
- 31 ABUTMENT DETAILS NO. 1
- 32 ABUTMENT DETAILS NO. 2
- 33 PIER DETAILS NO.1
- 34 PIER DETAILS NO.2
- 35 TYPICAL SECTION
- 36 GIRDER LAYOUT
- 37 GIRDER REINFORCEMENT
- 38 STRUCTURE APPROACH (TYPE EQ 10)
- 39 STRUCTURE APPROACH DRAINAGE DETAILS
- 40 PEDESTRIAN RAILING DETAILS
- 41 TUBULAR BICYCLE RAILING DETAILS
- 42 LOG OF TEST BORINGS NO. 1
- 43 LOG OF TEST BORINGS NO. 2
- 44 LOG OF TEST BORINGS NO. 3

CONSTRUCTION STARTED:		PROJECT MANAGER:	MARK L. RENO	DESIGN BY:	G. MCLAUGHLIN	SCALE	PROJECT NO.	GOLETA BEACH PARK ACCESS ROAD	SHEET NO.
CONSTRUCTION COMPLETED:		MARK L. RENO		DRAWN BY:	D. POLGLASE	NO SCALE	862319	BRIDGE REPLACEMENT	1 OF X
RECORD DRAWING APPROVED BY:		DATE		CONSTRUCTABILITY REVIEW BY:				TITLE SHEET	FILE NO.
SURVEY CHECKED BY:									



FOR REDUCED PLANS
ORIGINAL SCALE IN INCHES

DISREGARD PRINTS BEARING
EARLIER REVISION DATES

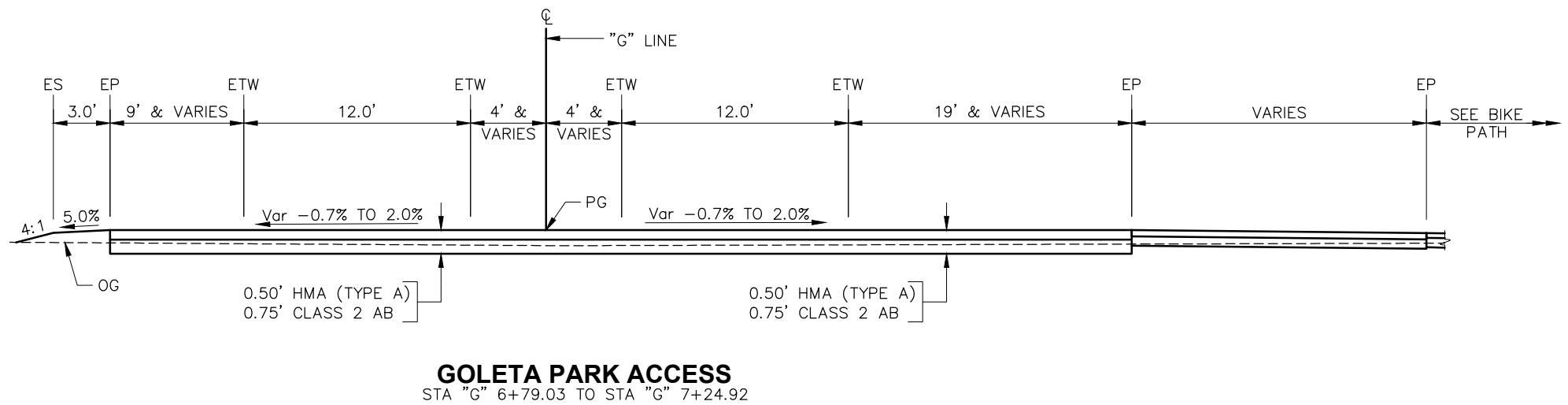
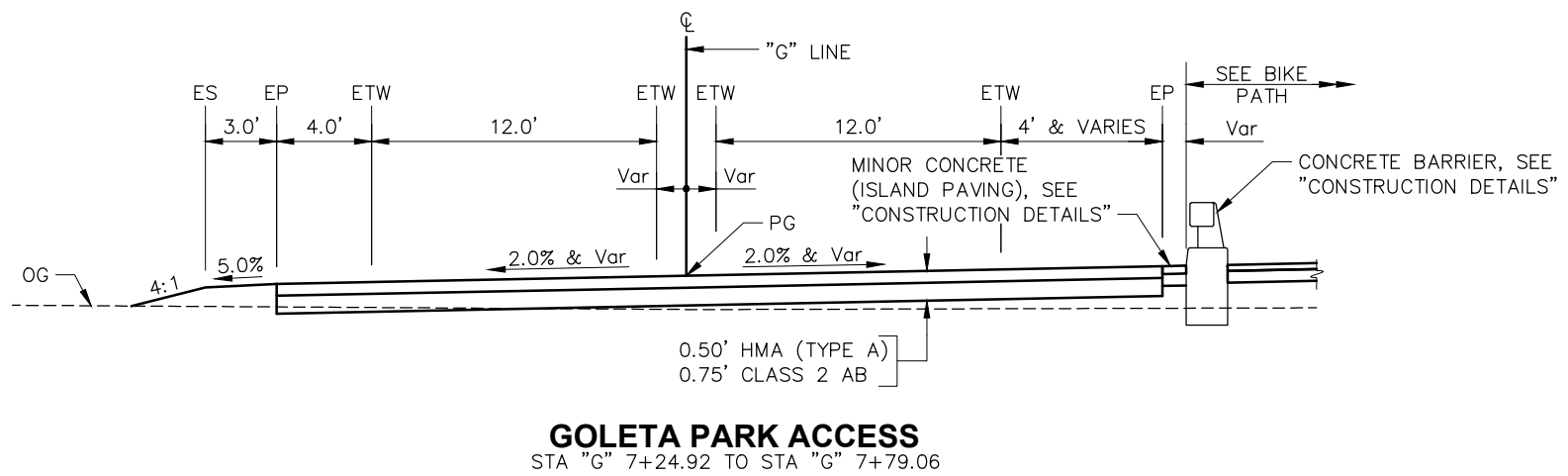
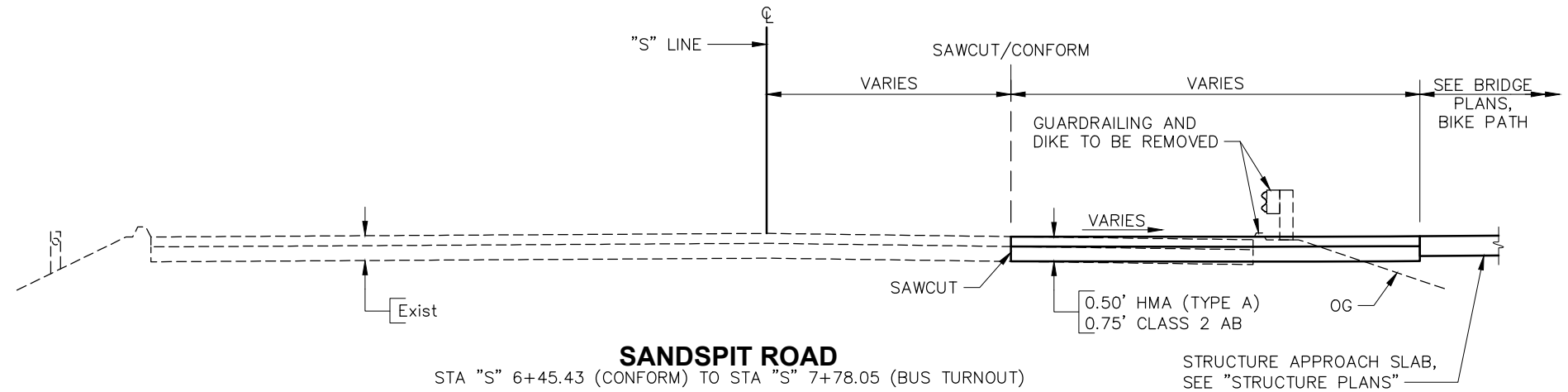
REVISION DATES (PRELIMINARY STAGE ONLY)

DESIGN DESIGNATION
(GOLETA PARK ACCESS RD.)

2028 ADT = 3051 T = 1%
TI = 7 V = 25 MPH
R = TBD

LEGEND:
SR = SUPERELEVATION RATE

- NOTES:**
- DIMENSIONS OF THE STRUCTURAL SECTION ARE SUBJECT TO THE TOLLERANCES IN THE STANDARD SPECIFICATIONS.
 - SUPERELEVATION IS SHOWN ON THE SUPERELEVATION DIAGRAM OR AS DIRECTED BY THE ENGINEER.



TYPICAL CROSS SECTIONS

X-1

CONSTRUCTION STARTED:		PROJECT ENGINEER:	
CONSTRUCTION COMPLETED:		GARRETT MCLAUGHLIN	DATE
RECORD DRAWING APPROVED BY:		67687	



COUNTY OF SANTA BARBARA
DEPARTMENT OF PUBLIC WORKS
TRANSPORTATION DIVISION

DESIGN BY:
G. MCLAUGHLIN
DETAILS BY:
D. POLGLASE

CHECKED BY:

CHECKED BY:

SCALE:
NO SCALE
PROJECT NO.
862319

GOLETA BEACH PARK ACCESS ROAD
BRIDGE REPLACEMENT

SHEET NO.
2 OF X
FILE NO.

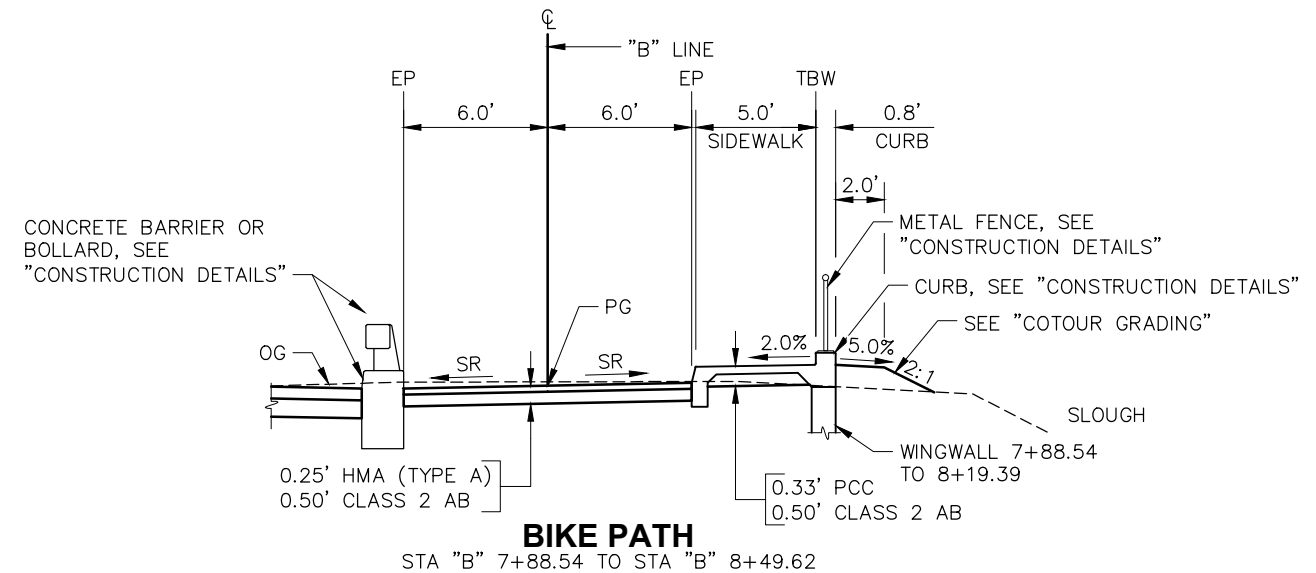
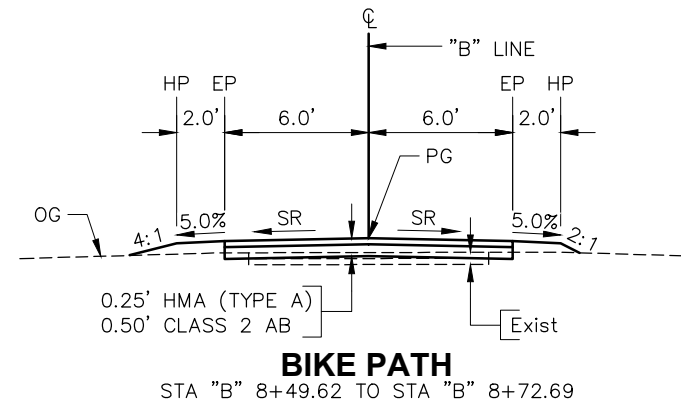
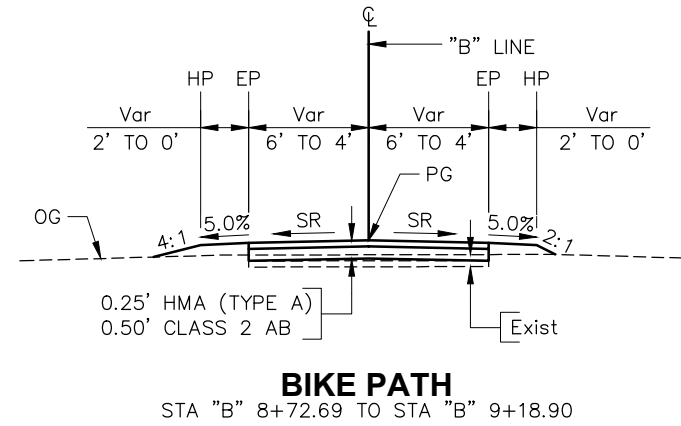
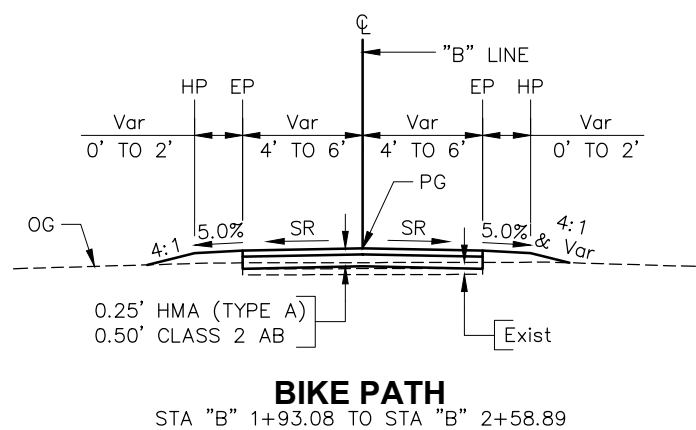
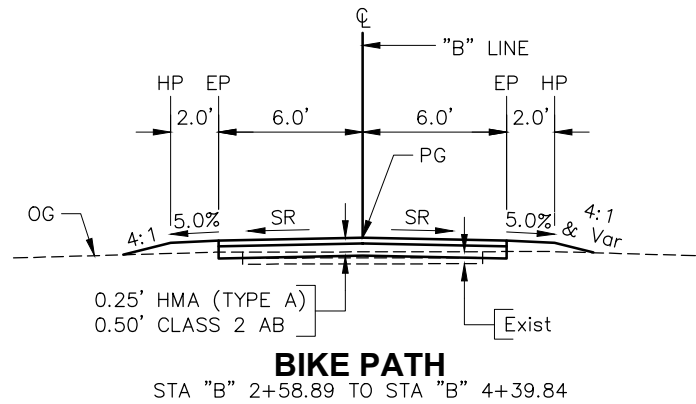
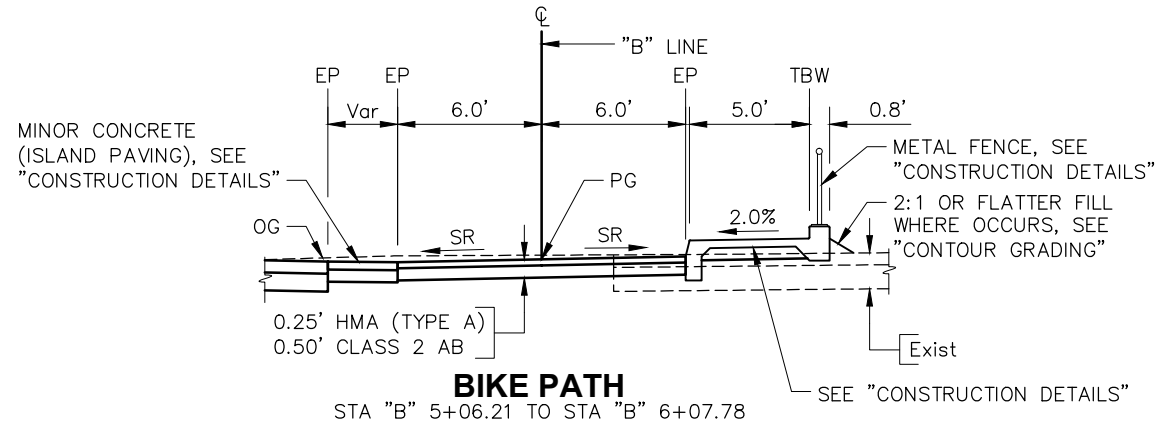
FOR REDUCED PLANS ORIGINAL SCALE IN INCHES

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)

- NOTES:**
1. DIMENSIONS OF THE STRUCTURAL SECTION ARE SUBJECT TO THE TOLLERANCES IN THE STANDARD SPECIFICATIONS.
 2. SUPERELEVATION IS SHOWN ON THE SUPERELEVATION DIAGRAM OR AS DIRECTED BY THE ENGINEER.
 3. FOR DESIGN DESIGNATION, SEE DRAWING X-1.

LEGEND:
SR = SUPERELEVATION RATE










TYPICAL CROSS SECTIONS
X-2

CONSTRUCTION STARTED:	PROJECT ENGINEER:		COUNTY OF SANTA BARBARA DEPARTMENT OF PUBLIC WORKS TRANSPORTATION DIVISION	DESIGN BY:	CHECKED BY:	SCALE:	PROJECT NO.	GOLETA BEACH PARK ACCESS ROAD BRIDGE REPLACEMENT	SHEET NO.
CONSTRUCTION COMPLETED:	GARRETT MCLAUGHLIN			G. MCLAUGHLIN	AS SHOWN	862319	3 OF X		
RECORD DRAWING APPROVED BY:	67687			D. POLGLASE	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)			

FOR REDUCED PLANS ORIGINAL SCALE IN INCHES 0 1 2 3

LEGEND:

-  REMOVE HMA SURFACING
-  TEXTURED CONCRETE
-  DETECTABLE WARNING SURFACE
-  GRIND AND HMA OVERLAY SECTION
-  CLASS 1 FLEXIBLE POST DELINEATORS
-  HORIZONTAL AND VERTICAL CONTROL
-  CURVE NUMBER

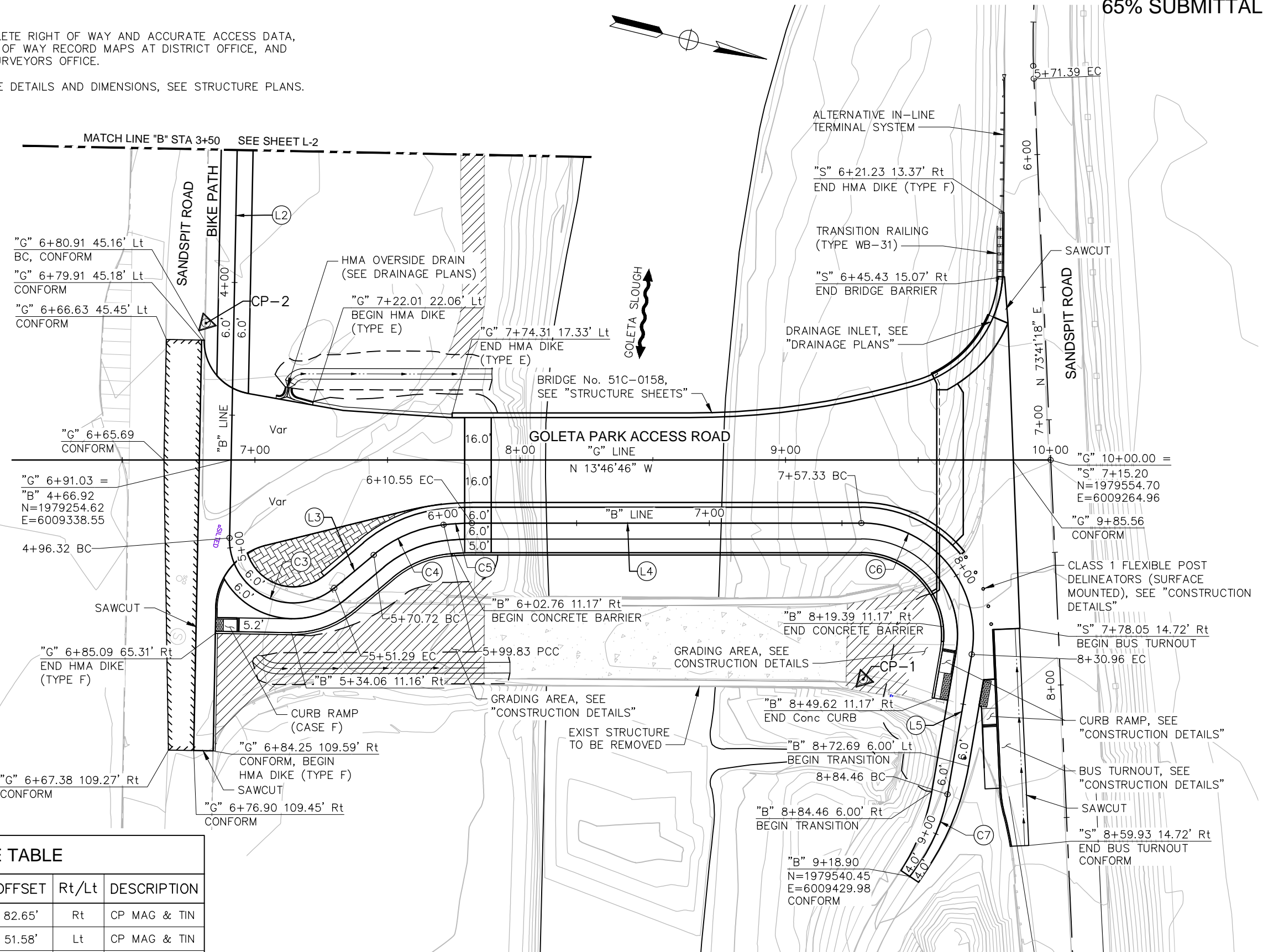
NOTES:

1. FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE, AND COUNTY SURVEYORS OFFICE.
2. FOR BRIDGE DETAILS AND DIMENSIONS, SEE STRUCTURE PLANS.


LINE DATA		
LINE	LENGTH	BEARING
L1	93.08'	S81°57'30"E
L2	150.48'	N77°21'14"E
L3	19.43'	N53°47'59"W
L4	146.78'	N13°46'46"W
L5	53.49'	N86°04'08"E

CURVE DATA				
CURVE	RADIUS (R)	ANGLE (Δ)	TANGENT (T)	LENGTH (L)
C1	61.00'	61° 23' 35"	36.21'	65.36'
C2	61.00'	82° 04' 52"	53.10'	87.39'
C3	24.01'	131° 10' 49"	52.90'	54.97'
C4	50.00'	33° 21' 34"	14.98'	29.11'
C5	92.25'	6° 39' 39"	5.37'	10.72'
C6	42.25'	99° 50' 53"	50.22'	73.63'
C7	66.40'	29° 58' 48"	17.78'	34.74'

PROJECT CONTROL COORDINATE TABLE								
POINT	NORTHING	EASTING	ELEVATION	LINE	STATION	OFFSET	Rt/Lt	DESCRIPTION
CP-1	1,979,505.73	6,009,362.07	15.60	"G"	9+29.31	82.65'	Rt	CP MAG & TIN
CP-2	1,979,233.15	6,009,290.71	13.30	"G"	6+81.57	51.58'	Lt	CP MAG & TIN
CP-3	1,979,193.38	6,008,853.08	14.50	"G"	7+47.19	486.09'	Lt	CP 1/2" IP

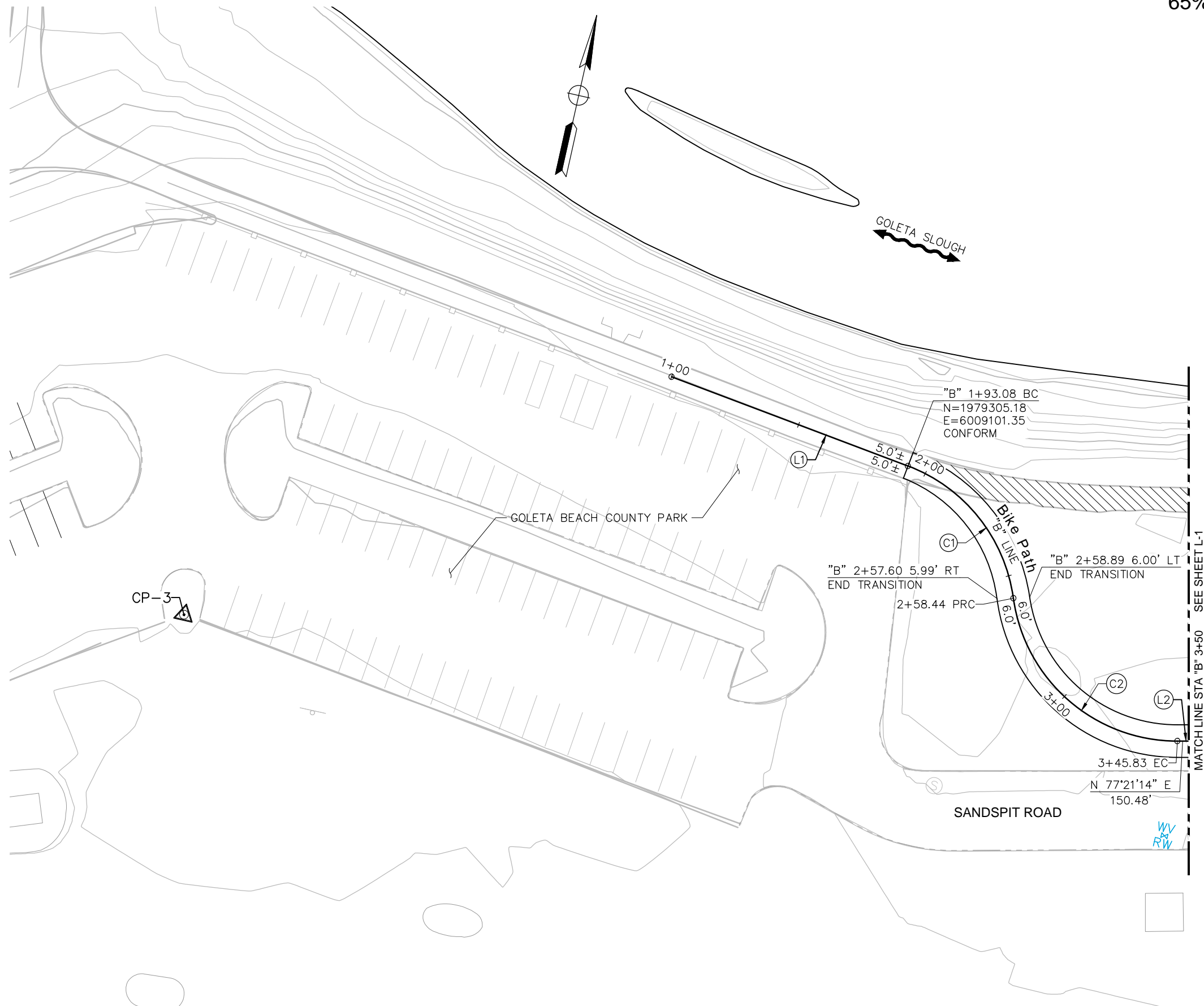


LAYOUT
L-1


CONSTRUCTION STARTED:		PROJECT ENGINEER:		COUNTY OF SANTA BARBARA DEPARTMENT OF PUBLIC WORKS TRANSPORTATION DIVISION	DESIGN BY:	CHECKED BY:	SCALE:	PROJECT NO.	GOLETA BEACH PARK ACCESS ROAD BRIDGE REPLACEMENT	SHEET NO.
CONSTRUCTION COMPLETED:		GARRETT MCLAUGHLIN			G. MCLAUGHLIN	-----	1" = 20'	862319	4 OF X	
RECORD DRAWING APPROVED BY:		67687		DATE	DETAILS BY:	CHECKED BY:			FILE NO.	
					FOR REDUCED PLANS ORIGINAL SCALE IN INCHES <div style="display: flex; justify-content: center; align-items: center;"> <div style="width: 100px; border-bottom: 1px solid black; margin-right: 5px;"></div> <div style="display: flex; justify-content: space-between; width: 100px;"> 0 1 2 3 </div> </div>	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)		

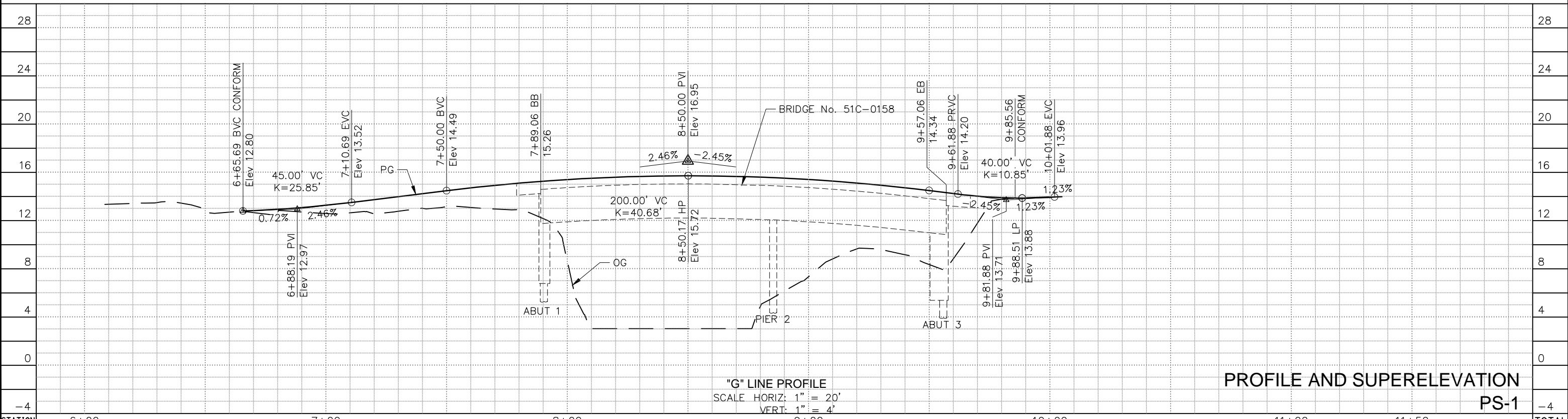
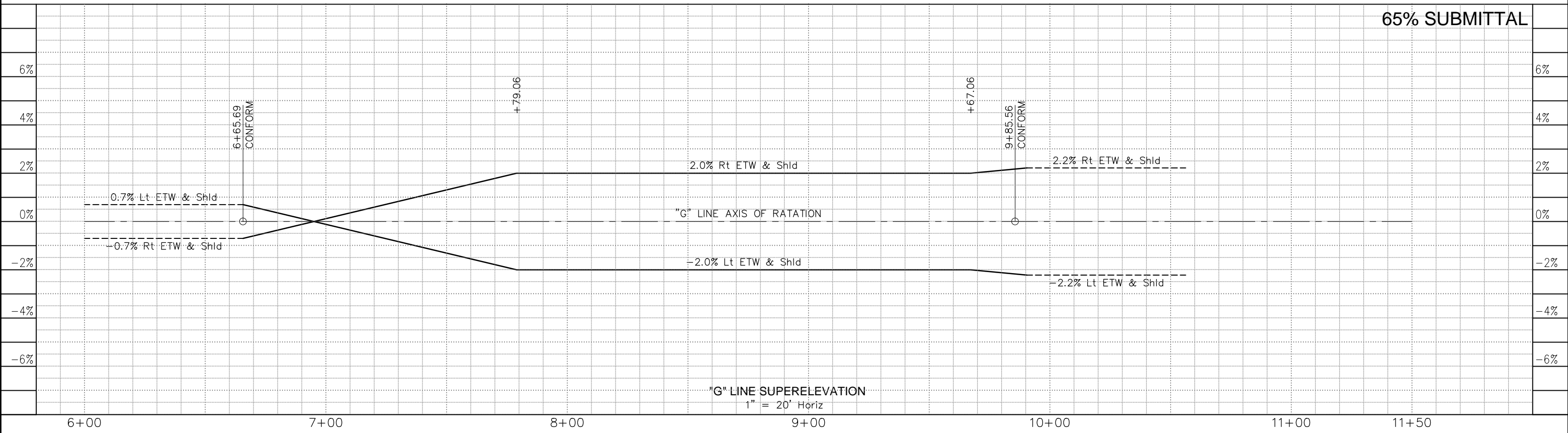
NOTES:

1. FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE, AND COUNTY SURVEYORS OFFICE.
2. FOR SURVEY CONTROL DATA, LEGEND AND DESIGN DESIGNATION DATA, SEE SHEET L-1.



LAYOUT
L-2

CONSTRUCTION STARTED:		PROJECT ENGINEER:		COUNTY OF SANTA BARBARA	DESIGN BY:	CHECKED BY:	SCALE:	PROJECT NO.	GOLETA BEACH PARK ACCESS ROAD BRIDGE REPLACEMENT	SHEET NO.
CONSTRUCTION COMPLETED:		GARRETT MCLAUGHLIN		DEPARTMENT OF PUBLIC WORKS	G. MCLAUGHLIN	-----	1" = 20'	862319		5 OF X
RECORD DRAWING APPROVED BY:		67687 DATE		TRANSPORTATION DIVISION	DETAILS BY:	CHECKED BY:				REVISION DATES (PRELIMINARY STAGE ONLY)
				FOR REDUCED PLANS ORIGINAL SCALE IN INCHES	0 1 2 3					

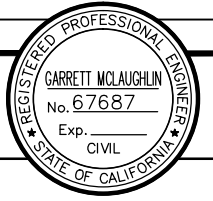


PROFILE AND SUPERELEVATION
PS-1

STATION	6+00	7+00	8+00	9+00	10+00	11+00	11+50	TOTAL
Exc								
Emb								

CONSTRUCTION STARTED:
CONSTRUCTION COMPLETED:
RECORD DRAWING APPROVED BY:

PROJECT ENGINEER:
GARRETT MCLAUGHLIN
67687 DATE



COUNTY OF SANTA BARBARA
DEPARTMENT OF PUBLIC WORKS
TRANSPORTATION DIVISION

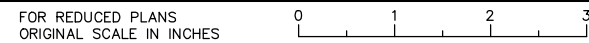
DESIGN BY:
G. MCLAUGHLIN
DETAILS BY:
D. POLGLASE

CHECKED BY:
CHECKED BY:

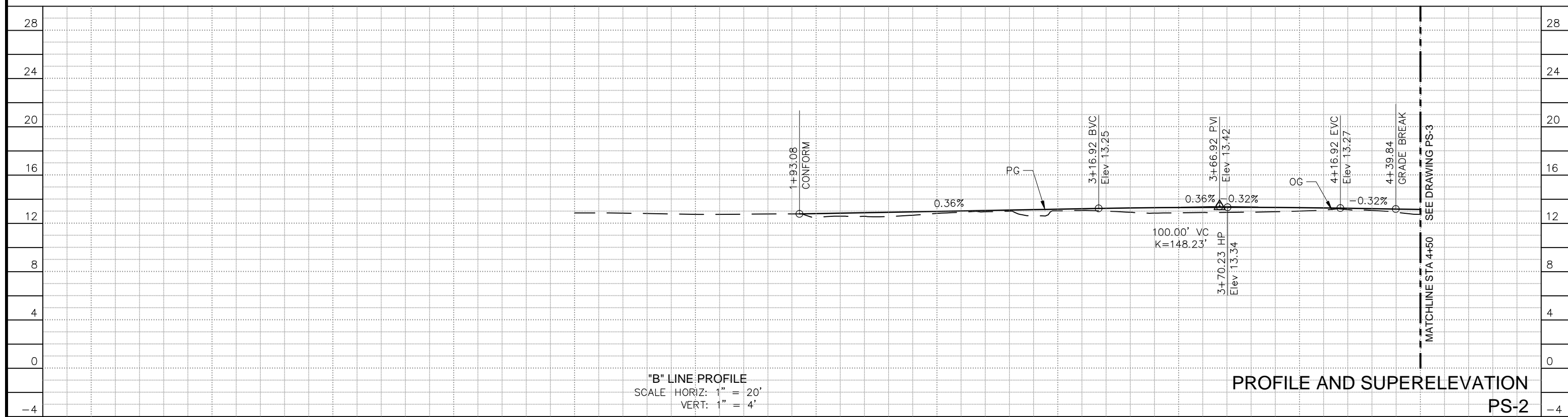
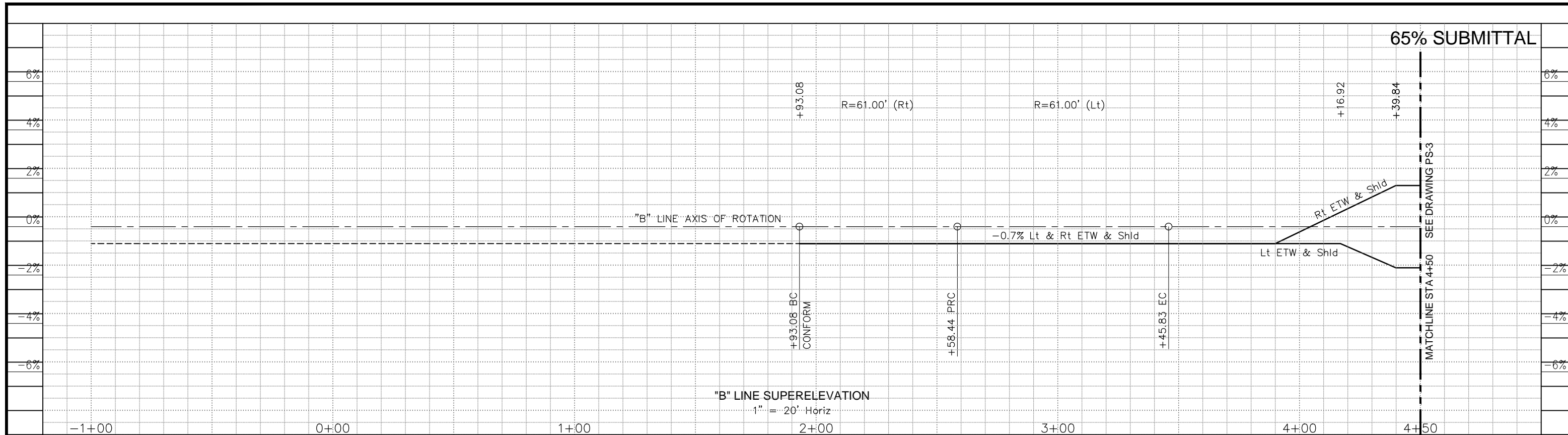
SCALE:
AS SHOWN
PROJECT NO.
862319

GOLETA BEACH PARK ACCESS ROAD
BRIDGE REPLACEMENT

SHEET NO.
6 OF X
FILE NO.



DISREGARD PRINTS BEARING EARLIER REVISION DATES
REVISION DATES (PRELIMINARY STAGE ONLY)



STATION	-1+00	0+00	1+00	2+00	3+00	4+00	4+50	TOTAL
Exc								
Emb								

CONSTRUCTION STARTED: _____
 CONSTRUCTION COMPLETED: _____
 RECORD DRAWING APPROVED BY: _____

PROJECT ENGINEER:
GARRETT MCLAUGHLIN
 67687 DATE _____



COUNTY OF SANTA BARBARA
DEPARTMENT OF PUBLIC WORKS
 TRANSPORTATION DIVISION

DESIGN BY:
 G. MCLAUGHLIN
 DETAILS BY:
 D. POLGLASE

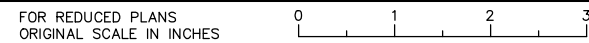
CHECKED BY:

 CHECKED BY:

SCALE:
 AS SHOWN
 PROJECT NO.
 862319

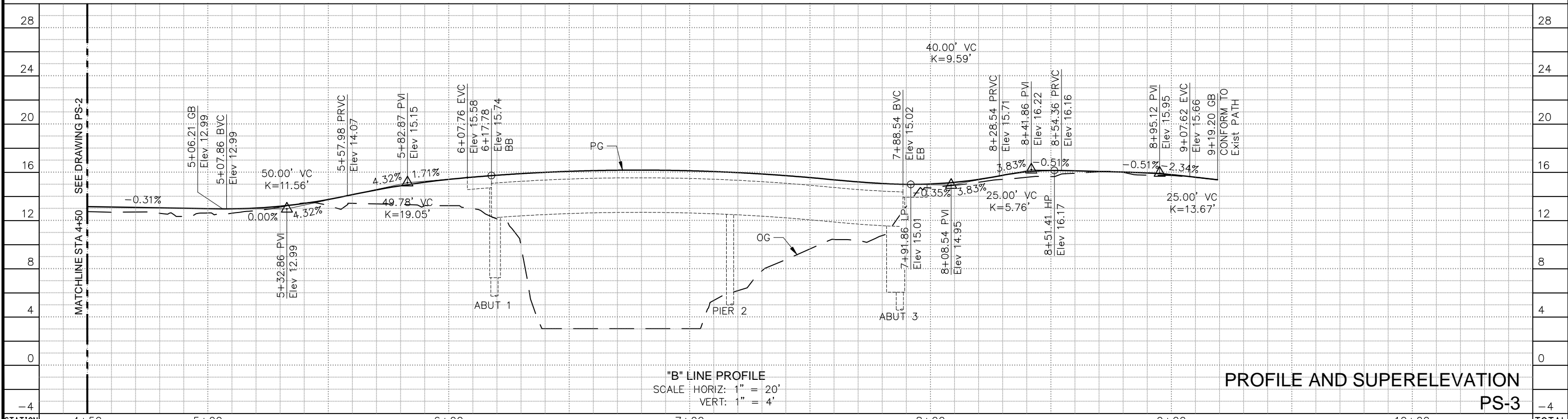
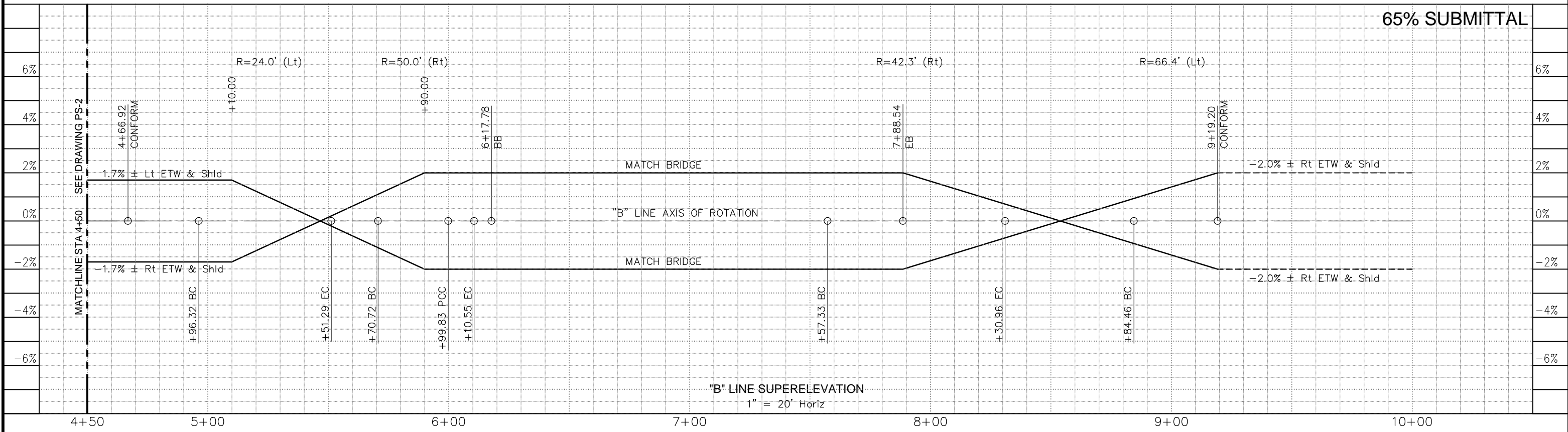
GOLETA BEACH PARK ACCESS ROAD
BRIDGE REPLACEMENT

SHEET NO.
 7 OF X
 FILE NO.



DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)				



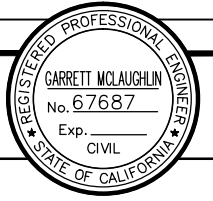
"B" LINE PROFILE
SCALE: HORIZ: 1" = 20'
VERT: 1" = 4'

PROFILE AND SUPERELEVATION
PS-3

STATION	4+50	5+00	6+00	7+00	8+00	9+00	10+00	TOTAL
Exc								
Emb								

CONSTRUCTION STARTED:
CONSTRUCTION COMPLETED:
RECORD DRAWING APPROVED BY:

PROJECT ENGINEER:
GARRETT MCLAUGHLIN
67687



COUNTY OF SANTA BARBARA
DEPARTMENT OF PUBLIC WORKS
TRANSPORTATION DIVISION

DESIGN BY:
G. MCLAUGHLIN
DETAILS BY:
D. POLGLASE

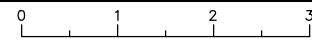
CHECKED BY:
CHECKED BY:

SCALE:
PROJECT NO.
SCALE 862319

GOLETA BEACH PARK ACCESS ROAD
BRIDGE REPLACEMENT

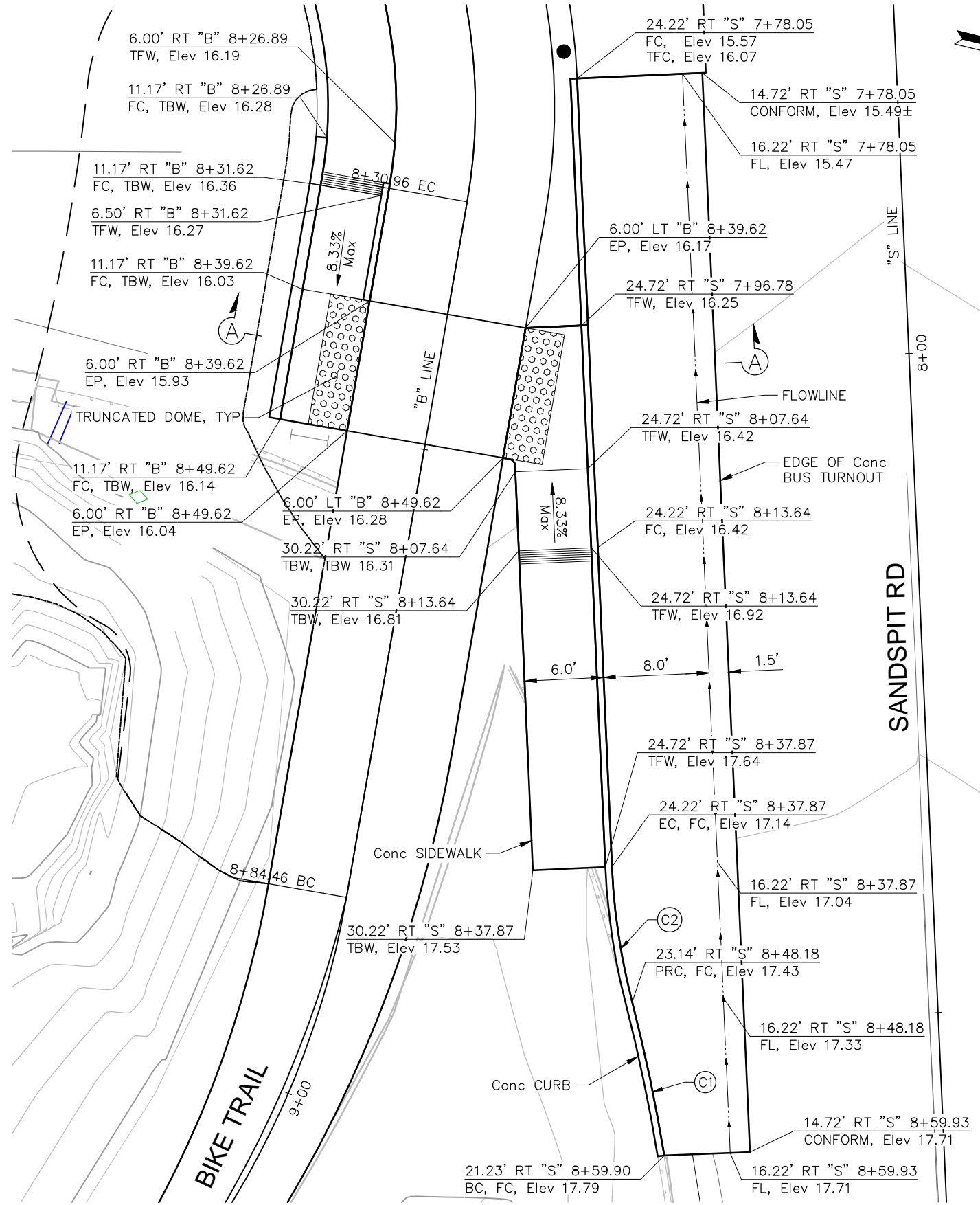
SHEET NO.
8 OF X
FILE NO.

FOR REDUCED PLANS
ORIGINAL SCALE IN INCHES

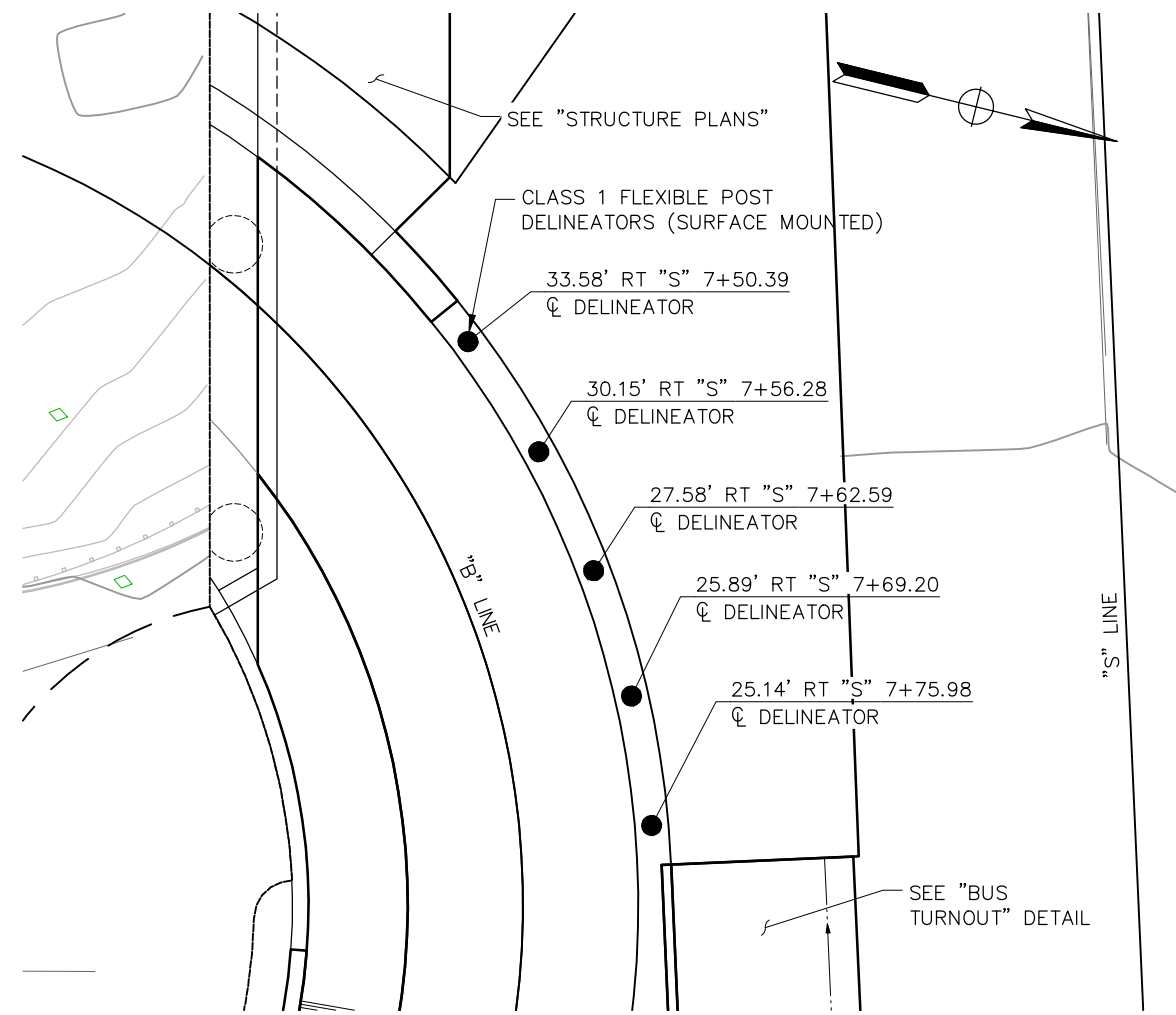


DISREGARD PRINTS BEARING
EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)				



BUS TURNOUT DETAIL
1" = 5'

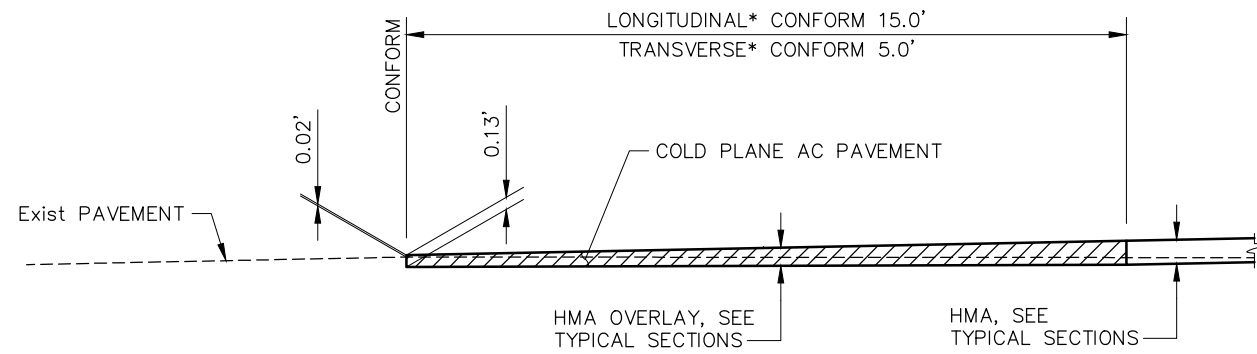
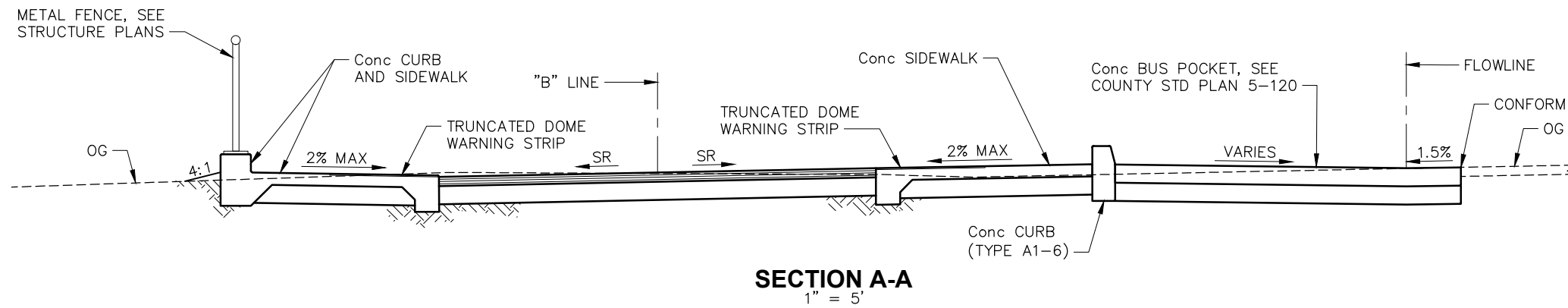


DELINEATOR LAYOUT DETAIL
1" = 5'

Curve Table				
(No.)	R	Δ	T	L
C1	129.37'	5° 15' 34"	5.94'	11.88'
C2	50.00'	11° 54' 16"	5.21'	10.39'

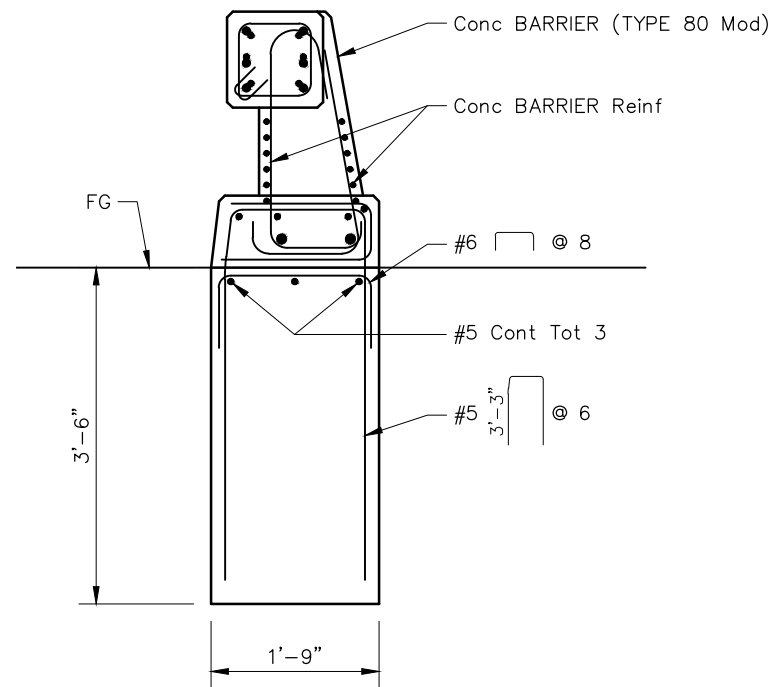
CONSTRUCTION DETAILS
C-2

CONSTRUCTION STARTED:	PROJECT ENGINEER:		COUNTY OF SANTA BARBARA DEPARTMENT OF PUBLIC WORKS TRANSPORTATION DIVISION	DESIGN BY:	CHECKED BY:	SCALE:	PROJECT NO.	GOLETA BEACH PARK ACCESS ROAD BRIDGE REPLACEMENT	SHEET NO.	
CONSTRUCTION COMPLETED:	GARRETT MCLAUGHLIN			G. MCLAUGHLIN	DETAILS BY:	CHECKED BY:	AS SHOWN		862319	10 OF X
RECORD DRAWING APPROVED BY:	67687			D. POLGLASE						FILE NO.
			FOR REDUCED PLANS ORIGINAL SCALE IN INCHES			DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)		

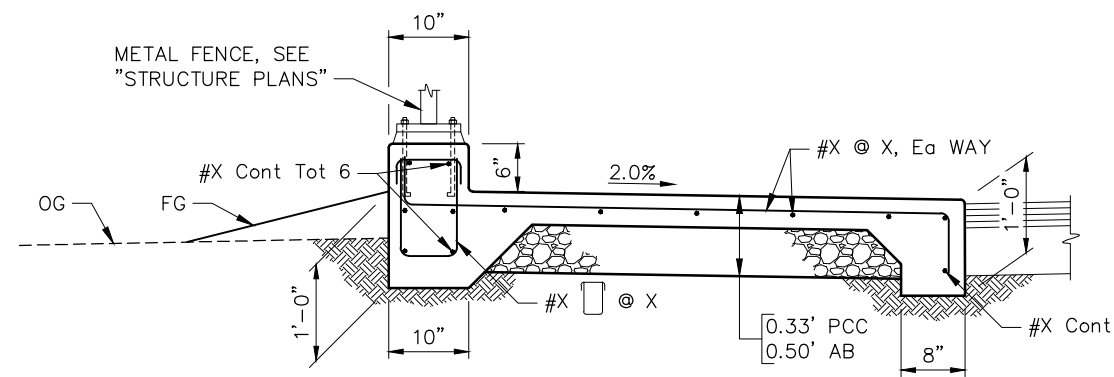


* RELATIVE TO DIRECTION OF TRAVEL

PAVEMENT CONFORM
NO SCALE



CONCRETE BARRIER DETAIL
NO SCALE



CURB AND SIDEWALK DETAIL
NO SCALE

CONSTRUCTION DETAILS
C-3

CONSTRUCTION STARTED:	
CONSTRUCTION COMPLETED:	
RECORD DRAWING APPROVED BY:	

PROJECT ENGINEER:
GARRETT MCLAUGHLIN
C47756 DATE



COUNTY OF SANTA BARBARA
DEPARTMENT OF PUBLIC WORKS
TRANSPORTATION DIVISION

DESIGN BY:
G. MCLAUGHLIN
DETAILS BY:
D. POLGLASE

CHECKED BY:

CHECKED BY:

SCALE: AS SHOWN
PROJECT NO. 862319

GOLETA BEACH PARK ACCESS ROAD
BRIDGE REPLACEMENT






SHEET NO. 11 OF X
FILE NO. -----

FOR REDUCED PLANS ORIGINAL SCALE IN INCHES 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES

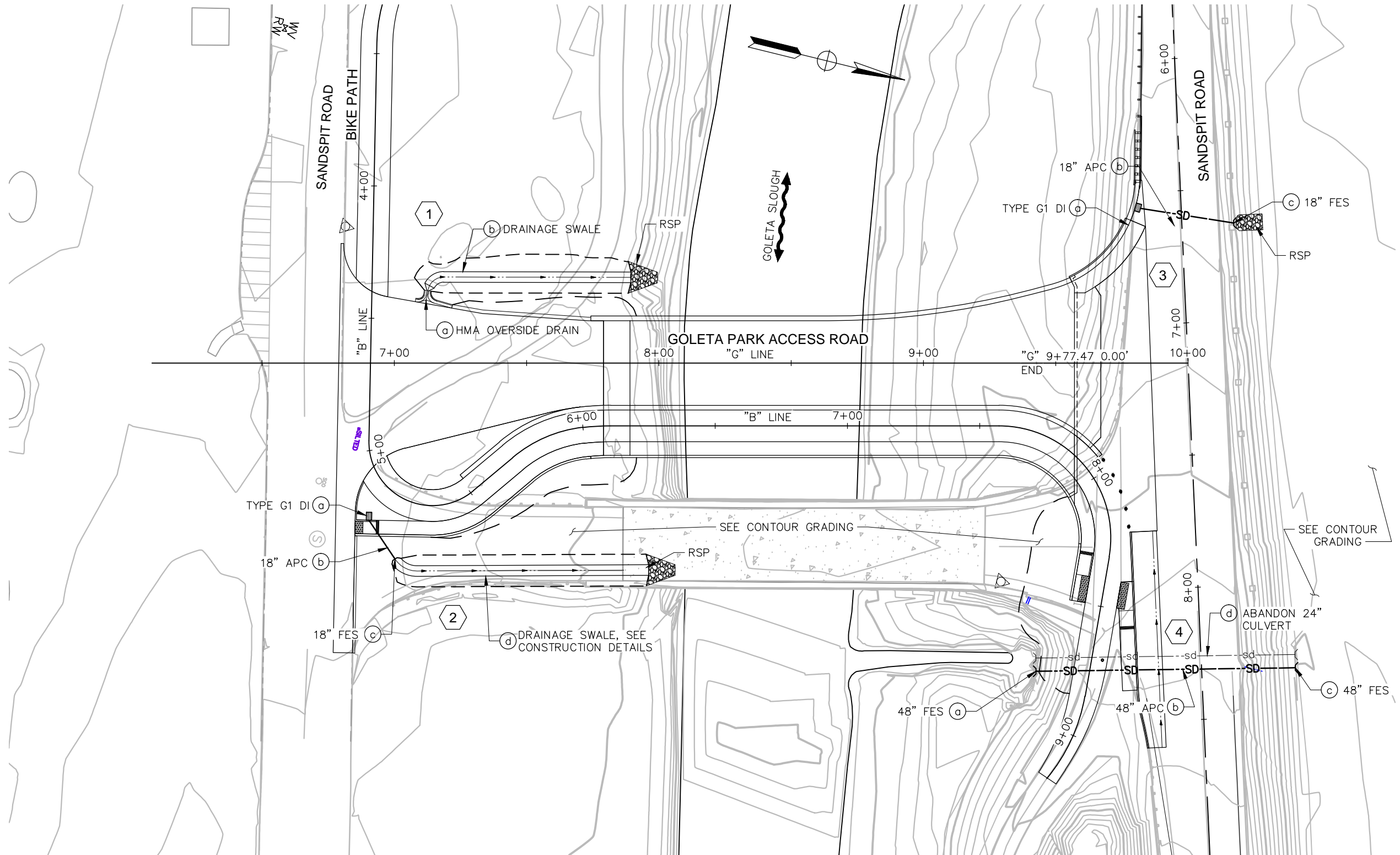
REVISION DATES (PRELIMINARY STAGE ONLY)

LEGEND:


-  DRAINAGE SYSTEM NUMBER
-  DRAINAGE UNIT LETTER
-  ROCK SLOPE PROTECTION
-  DIRECTION OF FLOW
-  GRADE TO DRAIN

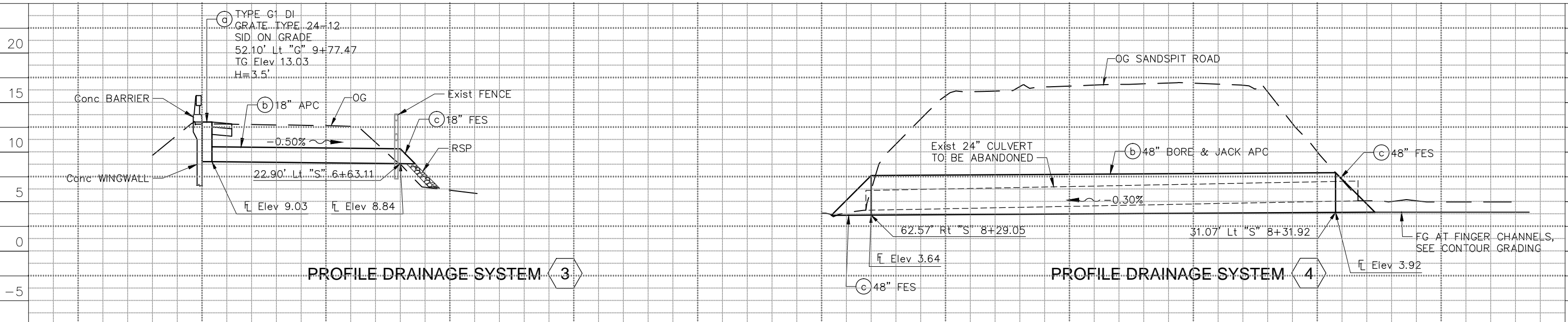
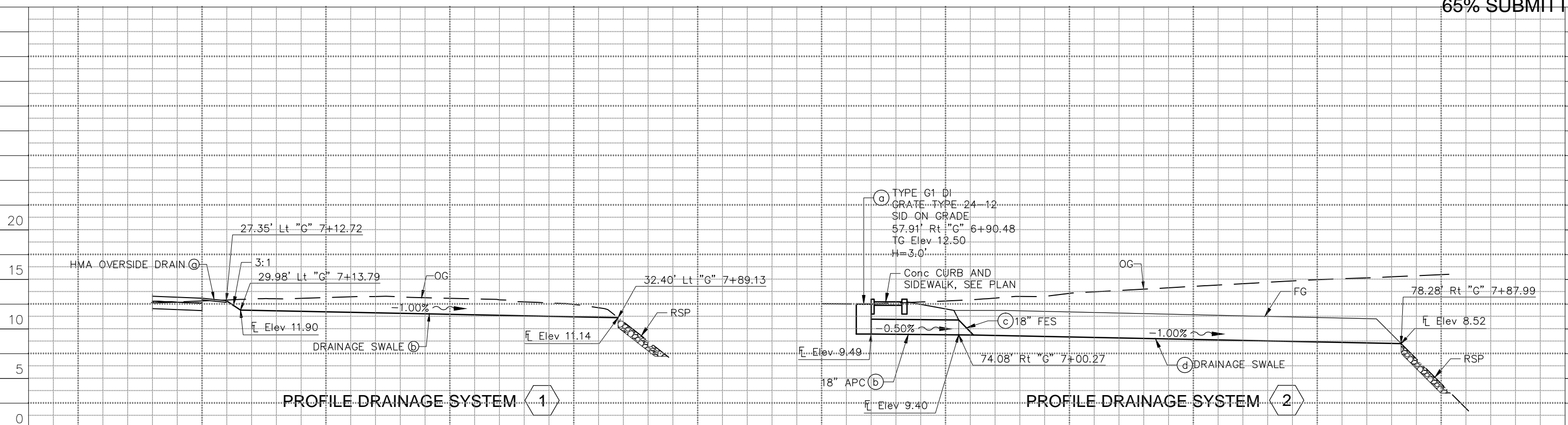
NOTES:

1. THIS PLAN ACCURATE FOR DRAINAGE WORK ONLY..
2. CONTRACTOR SHALL POSITIVELY DETERMINE ALL HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION OF ANY COMPONENT OF ANY DRAINAGE SYSTEM IN ORDER TO VERIFY CONSTRUCTABILITY OF THE DRAINAGE SYSTEMS AS SHOWN ON THIS PLAN.



DRAINAGE PLAN
D-1

CONSTRUCTION STARTED:		PROJECT ENGINEER:		COUNTY OF SANTA BARBARA	DESIGN BY:	CHECKED BY:	SCALE:	PROJECT NO.	GOLETA BEACH PARK ACCESS ROAD BRIDGE REPLACEMENT	SHEET NO.
CONSTRUCTION COMPLETED:		GARRETT MCLAUGHLIN		DEPARTMENT OF PUBLIC WORKS	G. MCLAUGHLIN	-----	1" = 20'	862319	15 OF X	
RECORD DRAWING APPROVED BY:		67687 DATE		TRANSPORTATION DIVISION	DETAILS BY:	CHECKED BY:			FILE NO.	
					FOR REDUCED PLANS ORIGINAL SCALE IN INCHES	0 1 2 3			REVISION DATES (PRELIMINARY STAGE ONLY)	

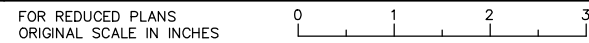
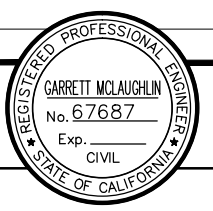


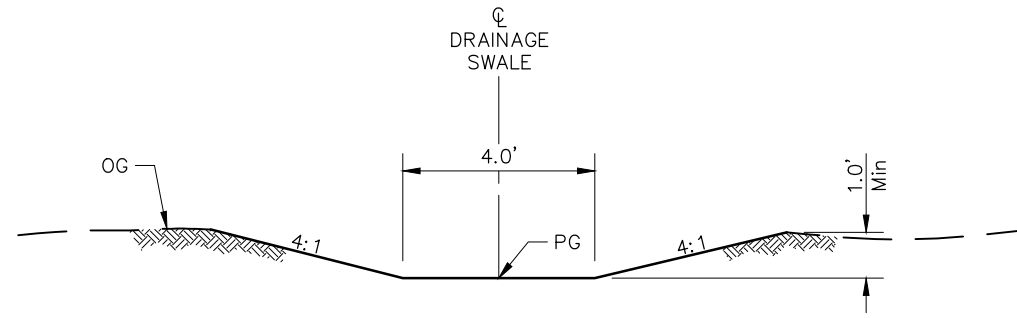
SCALE: HORIZ = 1" = 10'
VERT = 1" = 5'

**DRAINAGE PROFILES
DP-1**

STATION													TOTAL
Exc													
Emb													



CONSTRUCTION STARTED:		PROJECT ENGINEER:	GARRETT MCLAUGHLIN No. 67687 Exp. _____ CIVIL	COUNTY OF SANTA BARBARA DEPARTMENT OF PUBLIC WORKS TRANSPORTATION DIVISION	DESIGN BY: G. MCLAUGHLIN	CHECKED BY: _____	SCALE:	PROJECT NO.	GOLETA BEACH PARK ACCESS ROAD BRIDGE REPLACEMENT	SHEET NO. 16 OF X
CONSTRUCTION COMPLETED:		GARRETT MCLAUGHLIN 67687	DATE		DETAILS BY: D. POLGLASE	CHECKED BY: _____	AS SHOWN	862319		FILE NO. _____
RECORD DRAWING APPROVED BY:							DISREGARD PRINTS BEARING EARLIER REVISION DATES			
REVISION DATES (PRELIMINARY STAGE ONLY)										





DRAINAGE SWALE DETAIL
1/2" = 1'-0"

DRAINAGE DETAILS
DD-1

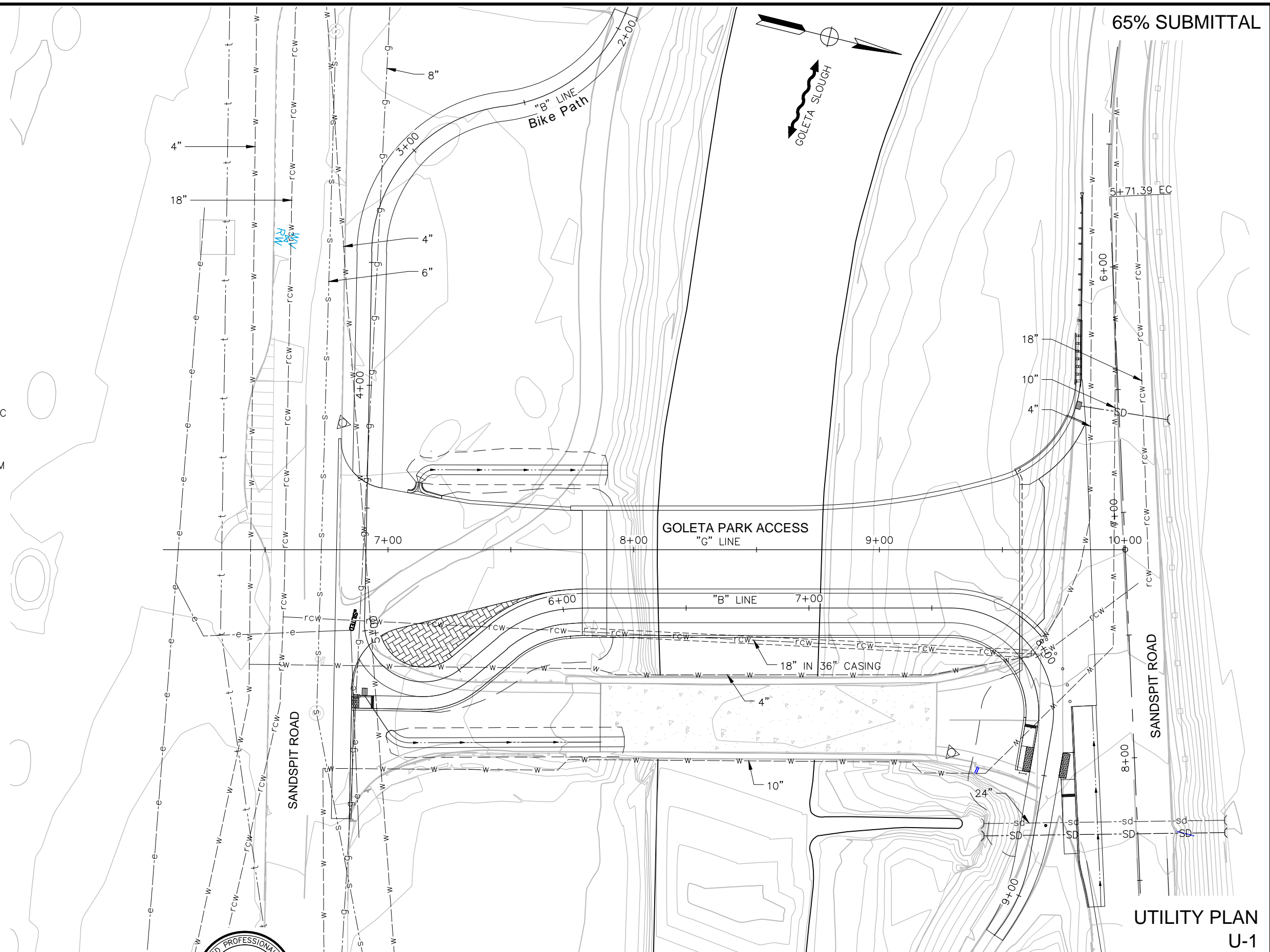
CONSTRUCTION STARTED:		PROJECT ENGINEER:		COUNTY OF SANTA BARBARA DEPARTMENT OF PUBLIC WORKS TRANSPORTATION DIVISION		DESIGN BY:	CHECKED BY:	SCALE:	PROJECT NO.	GOLETA BEACH PARK ACCESS ROAD BRIDGE REPLACEMENT	SHEET NO.
CONSTRUCTION COMPLETED:		GARRETT MCLAUGHLIN				G. MCLAUGHLIN	-----				17 OF X
RECORD DRAWING APPROVED BY:		67687		DATE		D. POLGLASE	-----	AS SHOWN	862319	FILE NO.	----
FOR REDUCED PLANS ORIGINAL SCALE IN INCHES								DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)	

NOTES:

1. THIS PLAN ACCURATE FOR UTILITY RELOCATION WORK ONLY.

LEGEND:

- rcw— EXISTING RECLAIMED WATER
- w—w— EXISTING POTABLE WATER
- g— EXISTING HIGH PRESSURE GAS
- e— EXISTING UNDERGROUND ELECTRIC
- s— EXISTING SANITARY SEWER
- t— EXISTING UNDERGROUND TELECOM
- sd— EXISTING STORM CULVERT
- RCW— RELOCATED RECLAIMED WATER
- W—W— RELOCATED POTABLE WATER
- G— RELOCATED HIGH PRESSURE GAS
- E— RELOCATED UNDERGROUND ELECTRIC
- S— RELOCATED SANITARY SEWER
- T— RELOCATED UNDERGROUND TELECOM
- SD— NEW STORM CULVERT



**UTILITY PLAN
U-1**



PROJECT ENGINEER:
GARRETT MCLAUGHLIN
67687 DATE

COUNTY OF SANTA BARBARA
DEPARTMENT OF PUBLIC WORKS
TRANSPORTATION DIVISION

DESIGN BY:
G. MCLAUGHLIN
DETAILS BY:
D. POLGLASE

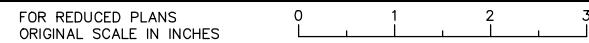
CHECKED BY:

CHECKED BY:

SCALE:
1" = 20'
PROJECT NO.
862319

**GOLETA BEACH PARK ACCESS ROAD
BRIDGE REPLACEMENT**

SHEET NO.
18 OF X
FILE NO.



DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)	

CONSTRUCTION STARTED:	
CONSTRUCTION COMPLETED:	
RECORD DRAWING APPROVED BY:	








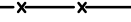




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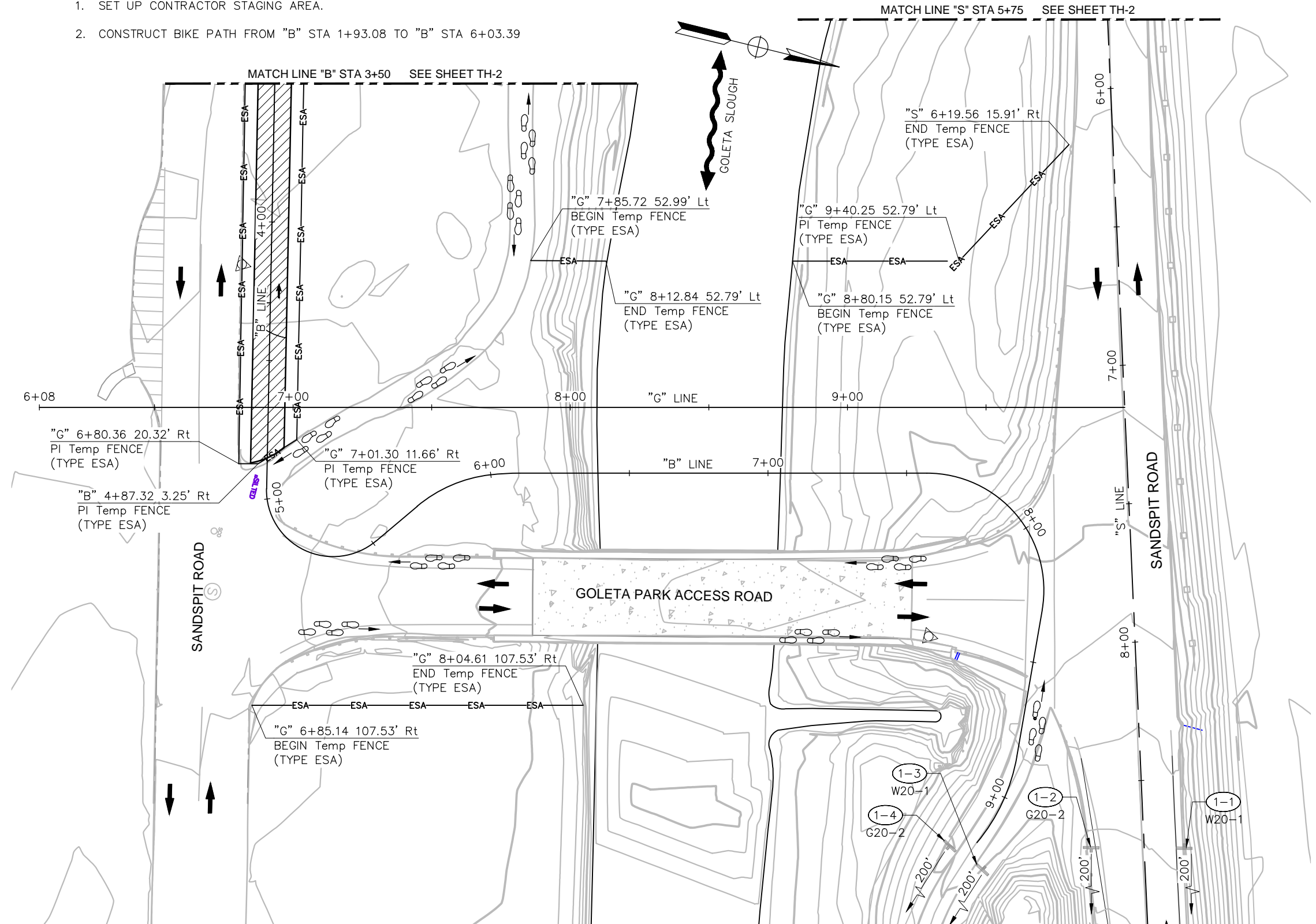
- THIS PLAN ACCURATE FOR CONSTRUCTION STAGING AND TRAFFIC HANDLING WORK ONLY.
- PEDESTRIAN ACCESS SHALL BE MAINTAINED AT ALL TIMES.

STAGE 1:

- SET UP CONTRACTOR STAGING AREA.
- CONSTRUCT BIKE PATH FROM "B" STA 1+93.08 TO "B" STA 6+03.39


LEGEND:

-  WORK AREA IN THIS STAGE
-  WORK AREA IN THIS STAGE REQUIRING TRAFFIC CONTROL
-  CONTOUR GRADING WORK THIS STAGE
-  PROPOSED STAGING AREA
-  TEMPORARY RAILING TYPE K
-  DIRECTION OF VEHICLE TRAVEL
-  PEDESTRIAN AND BICYCLE CIRCULATION
-  TEMPORARY FENCE (TYPE CHAIN LINK)
-  TEMPORARY FENCE (TYPE ESA)
-  CONSTRUCTION AREA SIGN
-  TEMPORARY ROADSIDE SIGN (ONE POST)
- 



STAGE CONSTRUCTION AND TRAFFIC HANDLING PLAN - STAGE 1












TH-1

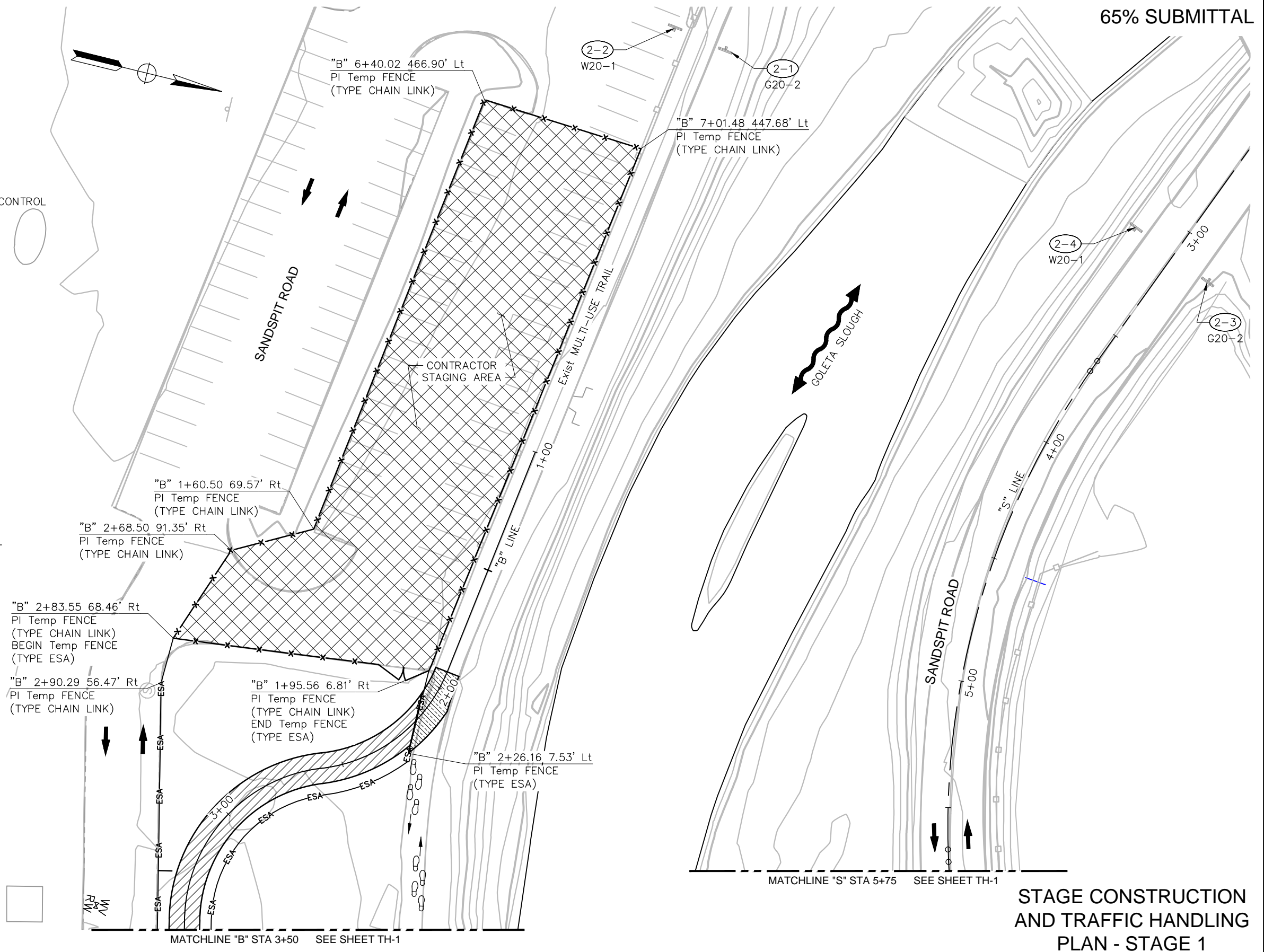
CONSTRUCTION STARTED:	PROJECT ENGINEER:		COUNTY OF SANTA BARBARA DEPARTMENT OF PUBLIC WORKS TRANSPORTATION DIVISION	DESIGN BY:	CHECKED BY:	SCALE:	PROJECT NO.	GOLETA BEACH PARK ACCESS ROAD BRIDGE REPLACEMENT	SHEET NO.
CONSTRUCTION COMPLETED:	GARRETT MCLAUGHLIN			G. MCLAUGHLIN	-----	1" = 20'	862319		19 OF X
RECORD DRAWING APPROVED BY:	67687 DATE			D. POLGLASE	-----	DISREGARD PRINTS BEARING EARLIER REVISION DATES			REVISION DATES (PRELIMINARY STAGE ONLY)

NOTES:

1. THIS PLAN ACCURATE FOR CONSTRUCTION STAGING AND TRAFFIC HANDLING WORK ONLY.
2. PEDESTRIAN ACCESS SHALL BE MAINTAINED AT ALL TIMES.


LEGEND:

-  WORK AREA IN THIS STAGE
-  WORK AREA IN THIS STAGE REQUIRING TRAFFIC CONTROL
-  CONTOUR GRADING WORK THIS STAGE
-  PROPOSED STAGING AREA
-  TEMPORARY RAILING TYPE K
-  DIRECTION OF VEHICLE TRAVEL
-  PEDESTRIAN AND BICYCLE CIRCULATION
-  TEMPORARY FENCE (TYPE CHAIN LINK)
-  TEMPORARY FENCE (TYPE ESA)
-  TEMPORARY ROADSIDE SIGN (ONE POST)
-  TEMPORARY ROADSIDE SIGN NUMBER AND DETAIL



STAGE CONSTRUCTION AND TRAFFIC HANDLING PLAN - STAGE 1

TH-2

CONSTRUCTION STARTED:		PROJECT ENGINEER:		COUNTY OF SANTA BARBARA DEPARTMENT OF PUBLIC WORKS TRANSPORTATION DIVISION		DESIGN BY:	G. MCLAUGHLIN	CHECKED BY:	-----	SCALE:	PROJECT NO.	GOLETA BEACH PARK ACCESS ROAD BRIDGE REPLACEMENT		SHEET NO.	20 OF X
CONSTRUCTION COMPLETED:		GARRETT MCLAUGHLIN		DATE		DETAILS BY:	D. POLGLASE	CHECKED BY:	-----	1" = 20'	862319			FILE NO.	-----
RECORD DRAWING APPROVED BY:		67687										REVISION DATES (PRELIMINARY STAGE ONLY)			









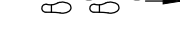
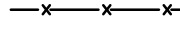





FOR REDUCED PLANS ORIGINAL SCALE IN INCHES 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES

NOTES:

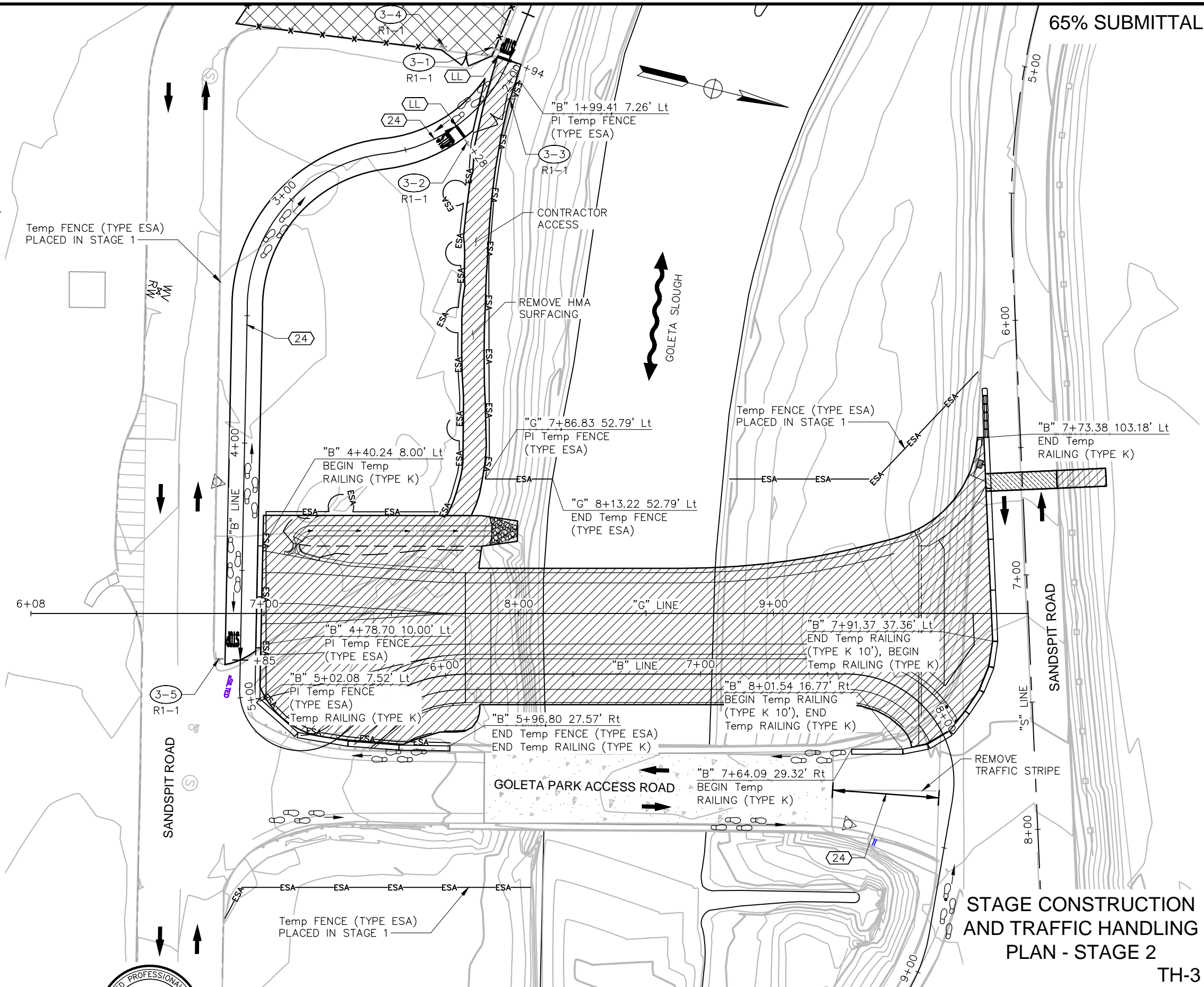
1. THIS PLAN ACCURATE FOR CONSTRUCTION STAGING AND TRAFFIC HANDLING WORK ONLY.
2. PEDESTRIAN ACCESS SHALL BE MAINTAINED AT ALL TIMES.

LEGEND:

-  WORK AREA IN THIS STAGE
-  WORK AREA IN THIS STAGE REQUIRING TRAFFIC CONTROL
-  CONTOUR GRADING WORK THIS STAGE
-  PROPOSED STAGING AREA
-  TEMPORARY RAILING TYPE K
-  TEMPORARY CRASH CUSHION
-  DIRECTION OF VEHICLE TRAVEL
-  PEDESTRIAN AND BICYCLE CIRCULATION THIS STAGE
-  TEMPORARY FENCE (TYPE CHAIN LINK)
-  TEMPORARY FENCE (TYPE ESA)
-  TEMPORARY PAVEMENT MARKING "STOP"
-  LIMIT LINE
-  TEMPORARY TRAFFIC STRIPE (PAINT) LINE DETAIL No.
-  TEMPORARY ROADSIDE SIGN (ONE POST)
-  TEMPORARY ROADSIDE SIGN NUMBER AND DETAIL

STAGE 2:

1. SHIFT PED AND BICYCLE TRAFFIC ONTO NEW BIKE PATH.
2. CONSTRUCT NEW BRIDGE.
3. CONSTRUCT NORTH APPROACH FROM EB TO "B" STA 6+03.00.
4. CONSTRUCT SOUTH APPROACH FROM "G" STA 6+99.00 TO BB.
5. CONSTRUCT DRAINAGE SYSTEM No. 1 & No. 3.
6. REMOVE HMA SURFACING.



STAGE CONSTRUCTION AND TRAFFIC HANDLING PLAN - STAGE 2

TH-3



CONSTRUCTION STARTED:	PROJECT ENGINEER:	COUNTY OF SANTA BARBARA DEPARTMENT OF PUBLIC WORKS TRANSPORTATION DIVISION	DESIGN BY:	CHECKED BY:	SCALE:	PROJECT NO.	GOLETA BEACH PARK ACCESS ROAD BRIDGE REPLACEMENT	SHEET NO.
CONSTRUCTION COMPLETED:	GARRETT MCLAUGHLIN		DETAILS BY:	CHECKED BY:	1" = 20'	862319		21 OF X
RECORD DRAWING APPROVED BY:	67687 DATE		D. POLGLASE					FILE NO.
								REVISION DATES (PRELIMINARY STAGE ONLY)
















FOR REDUCED PLANS ORIGINAL SCALE IN INCHES 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES

NOTES:

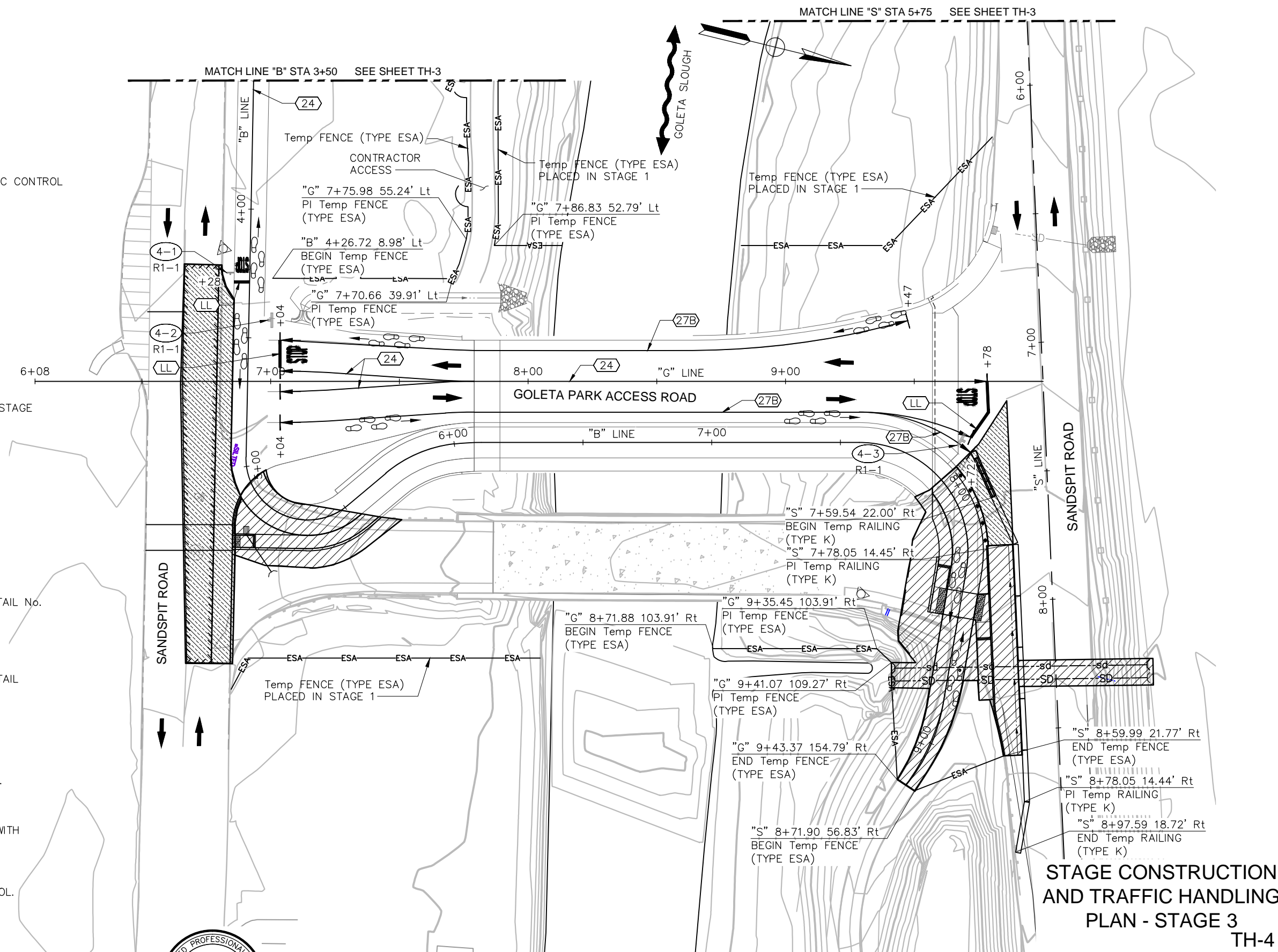
1. THIS PLAN ACCURATE FOR CONSTRUCTION STAGING AND TRAFFIC HANDLING WORK ONLY.
2. PEDESTRIAN ACCESS SHALL BE MAINTAINED AT ALL TIMES.

LEGEND:

-  WORK AREA IN THIS STAGE
-  WORK AREA IN THIS STAGE REQUIRING TRAFFIC CONTROL
-  CONTOUR GRADING WORK THIS STAGE
-  PROPOSED STAGING AREA
-  TEMPORARY RAILING TYPE K
-  TEMPORARY CRASH CUSHION
-  DIRECTION OF VEHICLE TRAVEL
-  PEDESTRIAN AND BICYCLE CIRCULATION THIS STAGE
-  TEMPORARY FENCE (TYPE CHAIN LINK)
-  TEMPORARY FENCE (TYPE ESA)
-  TEMPORARY PAVEMENT MARKING "STOP"
-  LIMIT LINE
-  TEMPORARY TRAFFIC STRIPE (PAINT) LINE DETAIL No.
-  TEMPORARY ROADSIDE SIGN (ONE POST)
-  TEMPORARY ROADSIDE SIGN NUMBER AND DETAIL

STAGE 3:

1. SHIFT PED AND BICYCLE TRAFFIC ONTO NEW BRIDGE.
2. SHIFT VEHICLE TRAFFIC TO NEW BRIDGE.
3. CONSTRUCT NORTH AND SOUTH APPROACH TIE-IN WITH TRAFFIC CONTROL.
4. CONSTRUCT DRAINAGE SYSTEM No. 4.
5. CONSTRUCT BIKE PATH TIE-IN WITH TRAFFIC CONTROL.
6. CONSTRUCT BUS TURNOUT.



STAGE CONSTRUCTION AND TRAFFIC HANDLING PLAN - STAGE 3 TH-4



PROJECT ENGINEER:
GARRETT MCLAUGHLIN
67687 DATE

COUNTY OF SANTA BARBARA
DEPARTMENT OF PUBLIC WORKS
TRANSPORTATION DIVISION

DESIGN BY:
G. MCLAUGHLIN
DETAILS BY:
D. POLGLASE

CHECKED BY:

CHECKED BY:

SCALE: PROJECT NO.
1" = 20' 862319

GOLETA BEACH PARK ACCESS ROAD
BRIDGE REPLACEMENT

SHEET NO.
22 OF X
FILE NO.

FOR REDUCED PLANS ORIGINAL SCALE IN INCHES 0 1 2 3








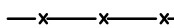
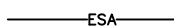
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REVISION DATES (PRELIMINARY STAGE ONLY)

NOTES:

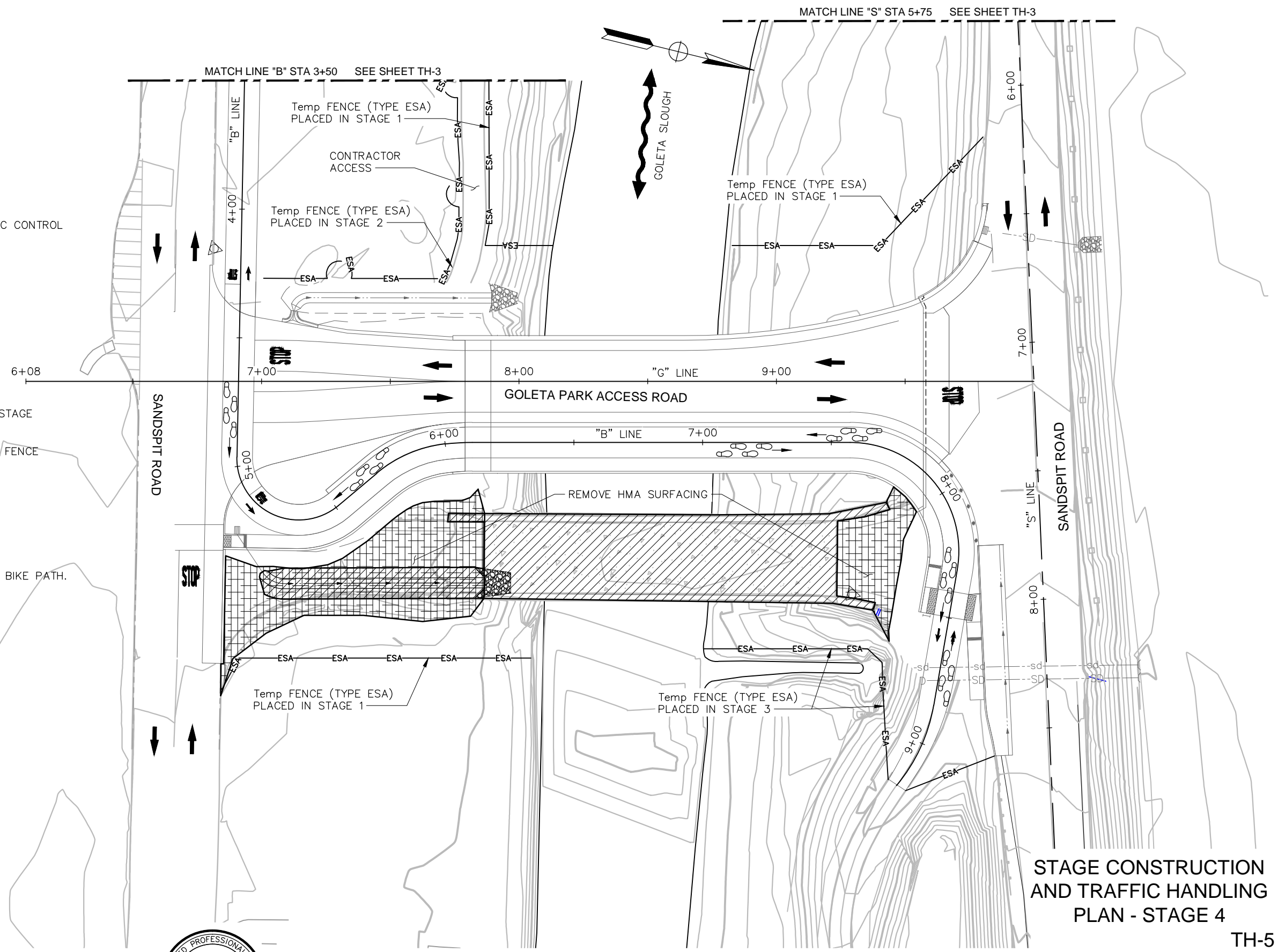
1. THIS PLAN ACCURATE FOR CONSTRUCTION STAGING AND TRAFFIC HANDLING WORK ONLY.
2. PEDESTRIAN ACCESS SHALL BE MAINTAINED AT ALL TIMES.

LEGEND:

-  WORK AREA IN THIS STAGE
-  WORK AREA IN THIS STAGE REQUIRING TRAFFIC CONTROL
-  CONTOUR GRADING WORK THIS STAGE
-  PROPOSED STAGING AREA
-  TEMPORARY RAILING TYPE K
-  DIRECTION OF TRAVEL
-  PEDESTRIAN AND BICYCLE CIRCULATION THIS STAGE
-  CONSTRUCTION AREA TEMPORARY CHAIN LINK / FENCE
-  TEMPORARY ESA FENCING


STAGE 4:

1. SHIFT PED AND BICYCLE TRAFFIC ONTO NEW BRIDGE BIKE PATH.
2. REMOVE EXISTING BRIDGE (51C-0158).
3. REMOVE HMA SURFACING
4. CONSTRUCT DRAINAGE SYSTEM No. 2.
5. CONSTRUCT FINAL GRADING.



STAGE CONSTRUCTION AND TRAFFIC HANDLING PLAN - STAGE 4

TH-5

CONSTRUCTION STARTED:		PROJECT ENGINEER:		COUNTY OF SANTA BARBARA DEPARTMENT OF PUBLIC WORKS TRANSPORTATION DIVISION		DESIGN BY:	CHECKED BY:	SCALE:	PROJECT NO.	GOLETA BEACH PARK ACCESS ROAD BRIDGE REPLACEMENT		SHEET NO.			
CONSTRUCTION COMPLETED:		GARRETT MCLAUGHLIN				67687	Exp. _____	CIVIL	G. MCLAUGHLIN	-----	1" = 20'	862319			23 OF X
RECORD DRAWING APPROVED BY:		DATE							D. POLGLASE	-----					FILE NO.
											REVISION DATES (PRELIMINARY STAGE ONLY)				

FOR REDUCED PLANS ORIGINAL SCALE IN INCHES 0 1 2 3

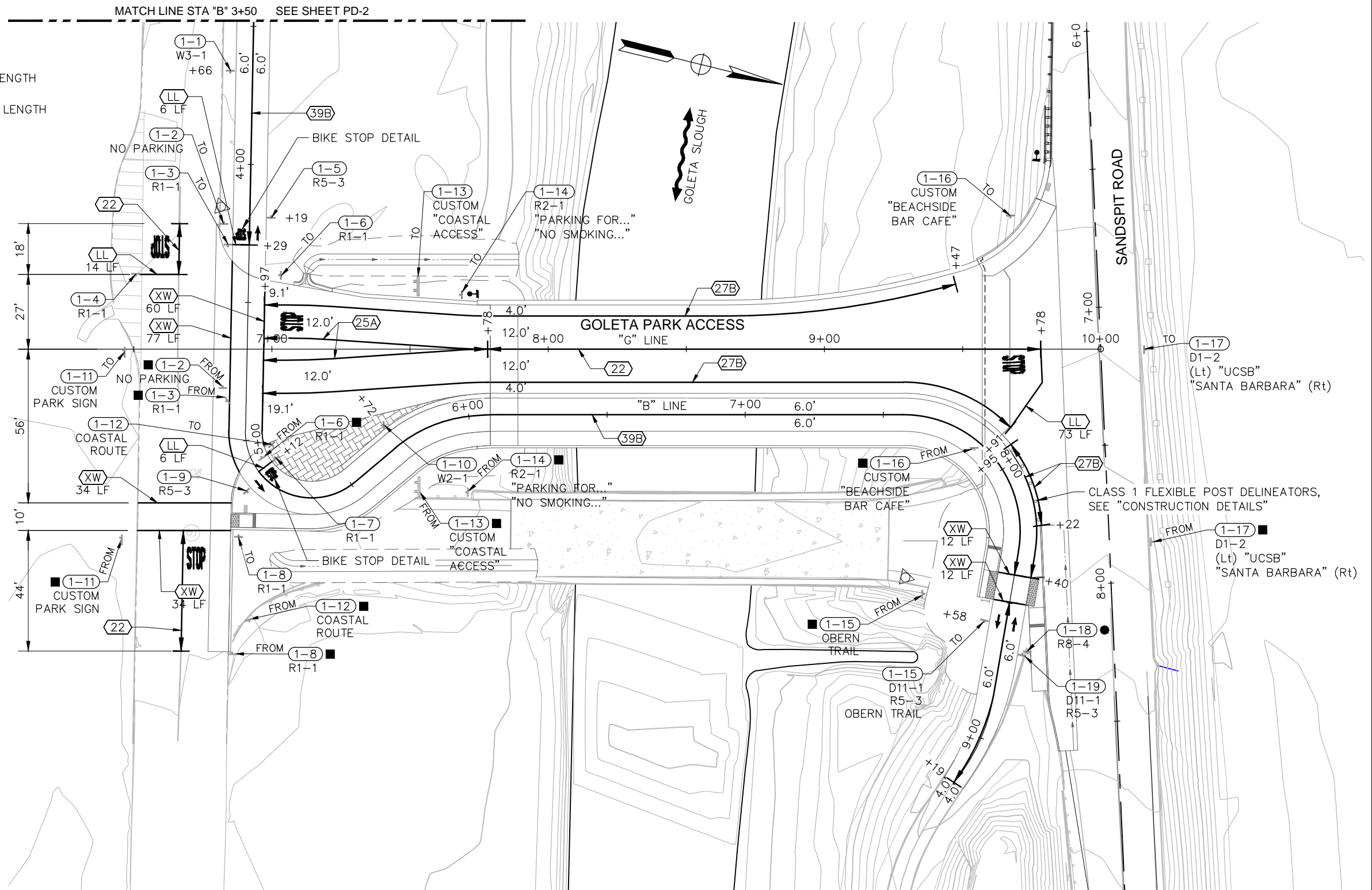
DISREGARD PRINTS BEARING EARLIER REVISION DATES

NOTES:

1. THIS PLAN ACCURATE FOR PAVEMENT DELINEATION WORK ONLY.
2. FOR "DETAIL 39B" AND "BIKE STOP DETAIL", SEE SHEET PD-2.

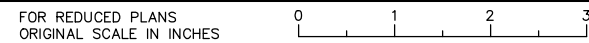
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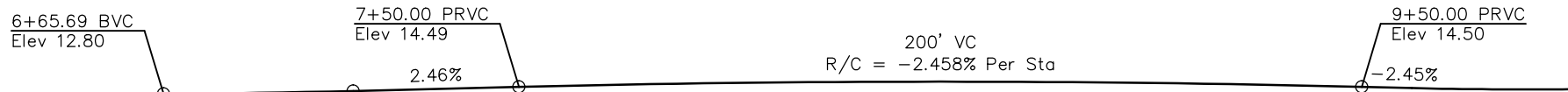
- (XX) PAVEMENT DELINEATION DETAIL NUMBER
- (LL) LIMIT LINE (THERMOPLASTIC PAVEMENT MARKING) AND LENGTH
xx LF
- (XW) CROSSWALK (THERMOPLASTIC PAVEMENT MARKING) AND LENGTH
xx LF
- ROADSIDE SIGN (ONE POST)
- ROADSIDE SIGN (TWO POST)
- EXISTING ROADSIDE SIGN (ONE POST)
- EXISTING ROADSIDE SIGN (TWO POST)
- (1-7) ROADSIDE SIGN NUMBER AND DETAIL
R1-1
- REMOVE ROADSIDE SIGN
- RELOCATE ROADSIDE SIGN
- CONCRETE BARRIER DELINEATOR (TYPE F)
- ↑ BIKE LANE ARROW
- BIKE STOP DETAIL



PAVEMENT DELINEATION PD-1

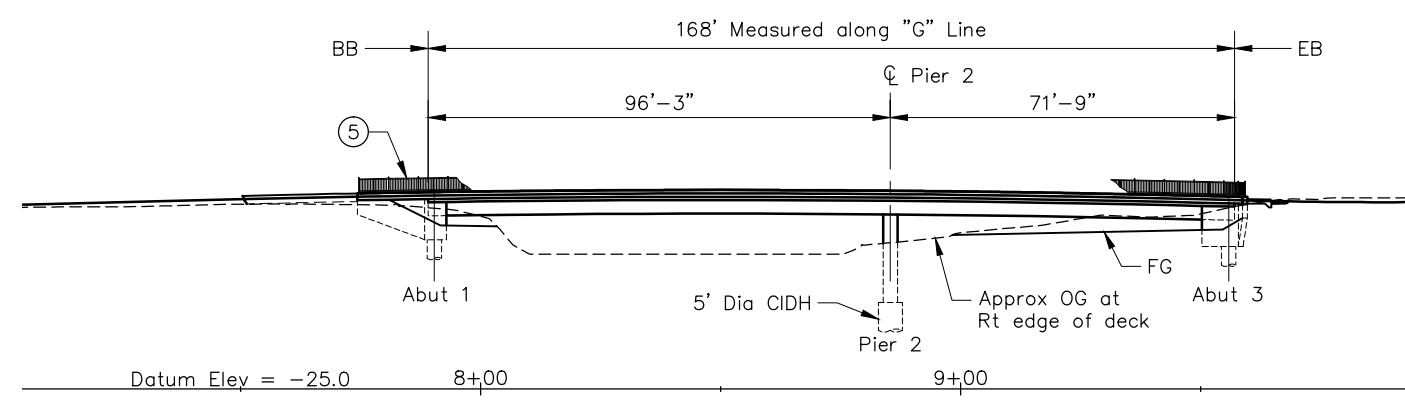
CONSTRUCTION STARTED:	PROJECT ENGINEER:		COUNTY OF SANTA BARBARA DEPARTMENT OF PUBLIC WORKS TRANSPORTATION DIVISION	DESIGN BY:	CHECKED BY:	SCALE:	PROJECT NO.	GOLETA BEACH PARK ACCESS ROAD BRIDGE REPLACEMENT	SHEET NO.	
CONSTRUCTION COMPLETED:	GARRETT MCLAUGHLIN			67687	DETAILS BY:	CHECKED BY:	AS SHOWN		862319	24 OF X
RECORD DRAWING APPROVED BY:	DATE			Exp. _____	D. POLGLASE	_____	DISREGARD PRINTS BEARING EARLIER REVISION DATES		FILE NO.	
								REVISION DATES (PRELIMINARY STAGE ONLY)		





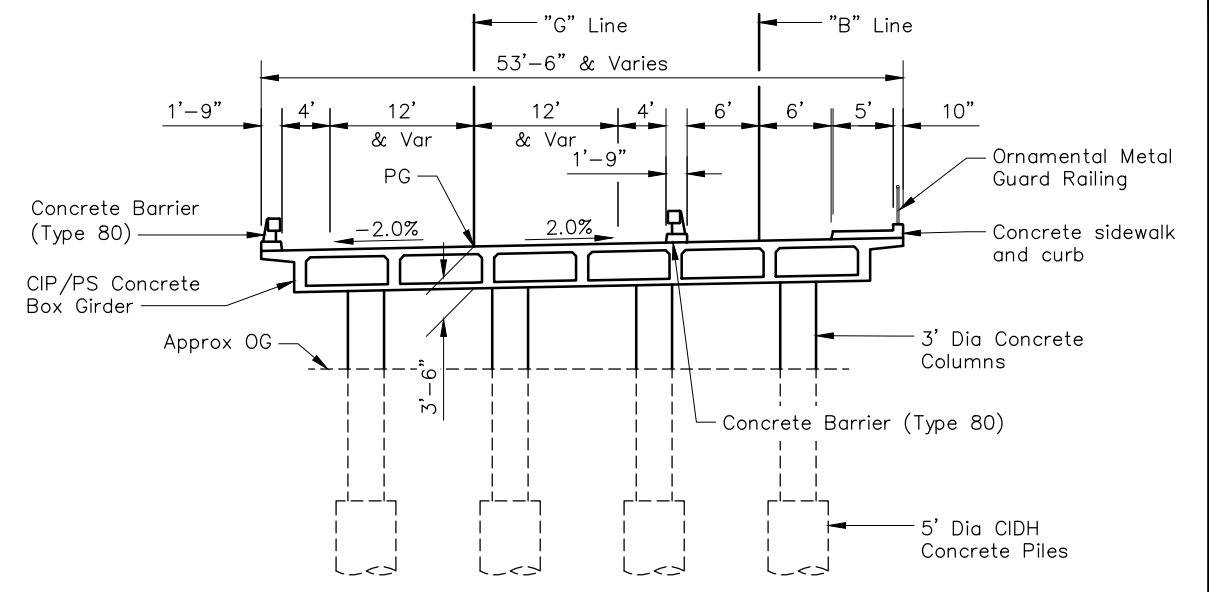
PROFILE GRADE

No Scale



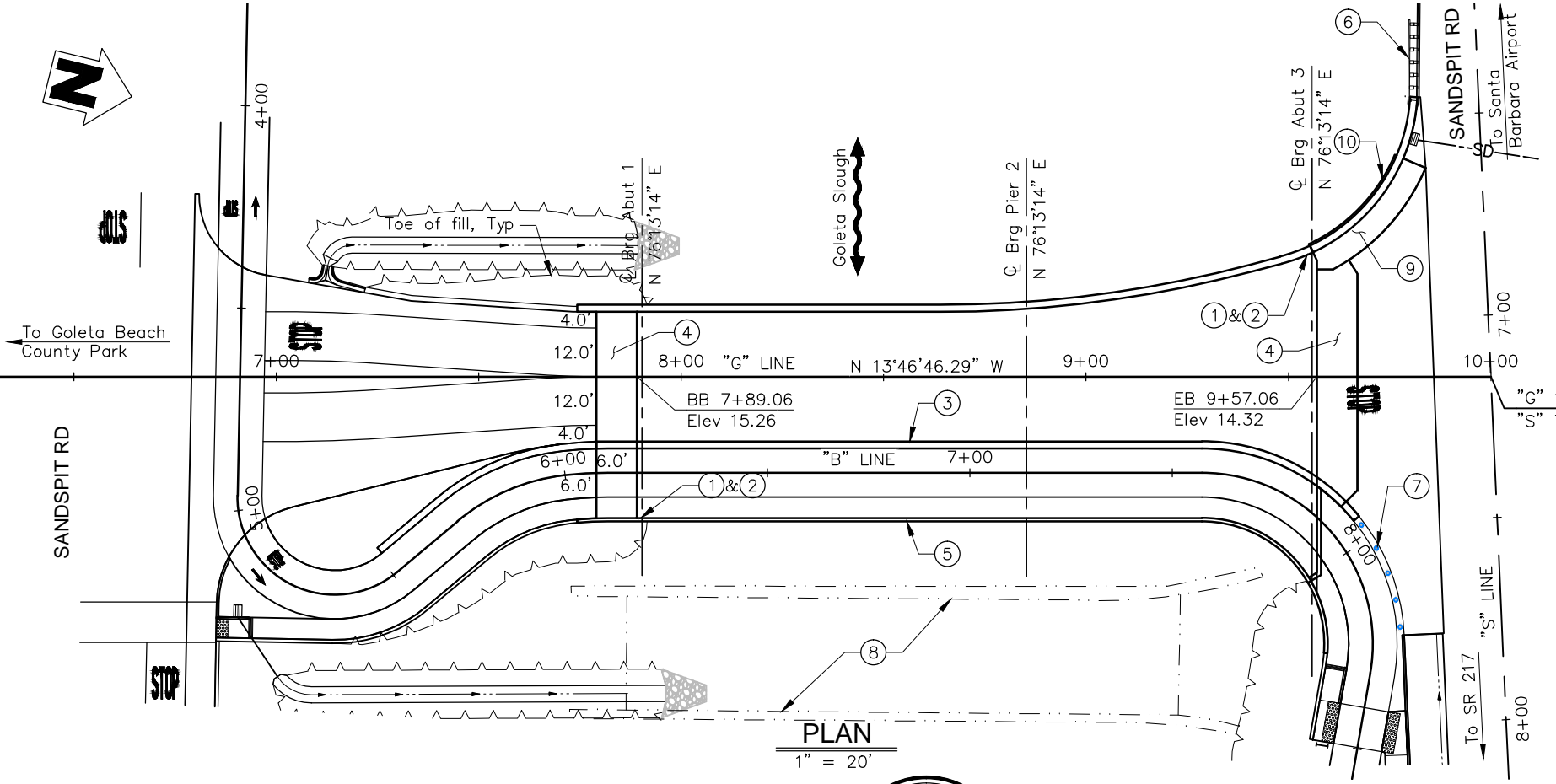
ELEVATION

1" = 20'



TYPICAL SECTION

1/8" = 1'-0"



PLAN

1" = 20'

Legend:

- ① Paint Bridge Name "Goleta Slough"
- ② Paint Bridge Number "No. XXX-XXXX"
- ③ Concrete Barrier (Type 80)
- ④ Structure Approach Type EQ (10)
- ⑤ Sidewalk Curb and Railing
- ⑥ MBGR see "Road Plans"
- ⑦ Concrete Bollards see "Road Plans"
- ⑧ Existing Bridge (51C-0158) to be removed
- ⑨ Concrete Barrier Slab
- ⑩ Soldier Pile retaining wall with CIP Concrete Facing
- * Highwater elevation
- Existing structure

Notes:

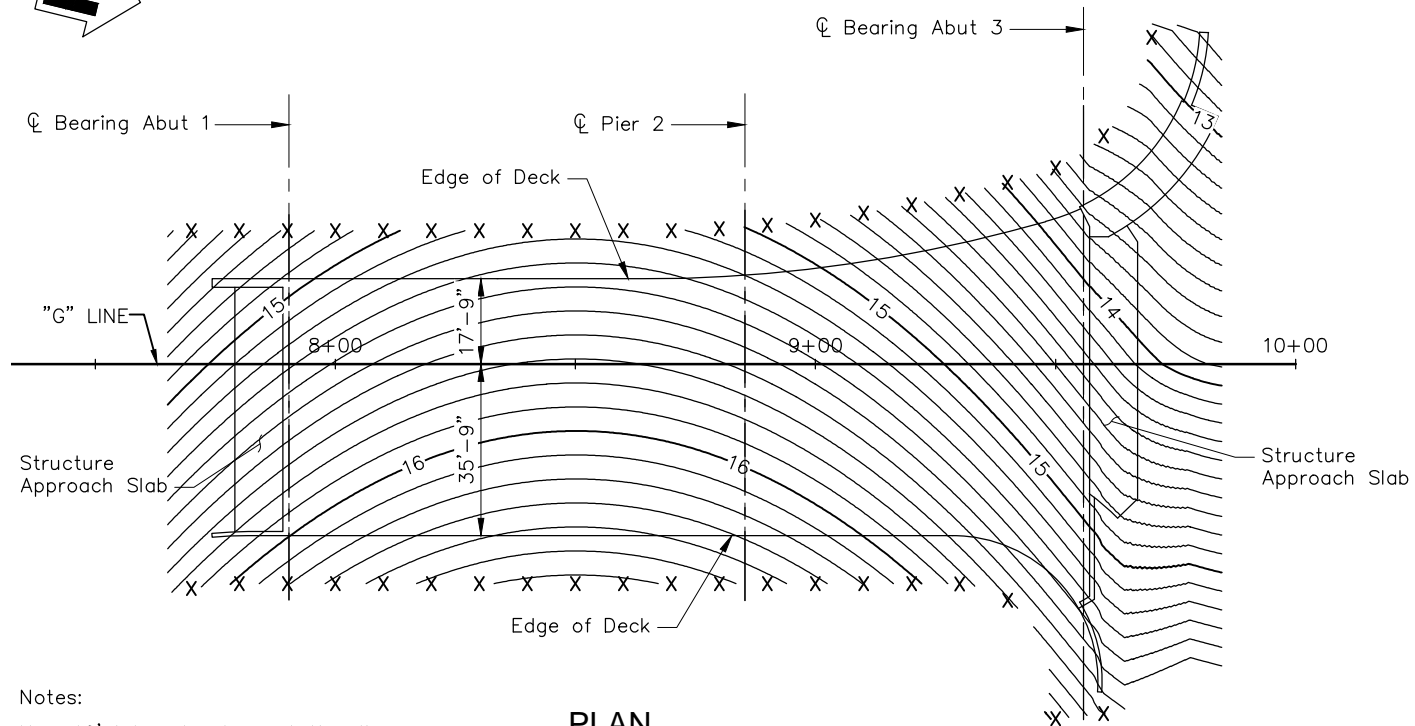
1. For General Notes and Standard Plans, see "Deck Contours" sheet
2. For Hydrologic Summary and Pile Data Table, see "Foundation Plan" sheet
3. For Utilities, see "Typical Section" sheet

INDEX TO PLANS

Sheet No.	Title
26	General Plan
27	Deck Contours
28	Foundation Plan
29	Abutment 1 Layout
30	Abutment 3 Layout
31	Abutment Details No. 1
32	Abutment Details No. 2
33	Retaining Wall Layout
34	Pier Details No.1
35	Pier Details No.2
36	Typical Section
37	Girder Layout
38	Girder Reinforcement
39	Architectural Details
40	Concrete Barrier Slab Details
41	Cantilever Soldier Pile Wall Details
42	Soldier Pile Wall Lagging Details
43	Structure Approach (Type EQ 10)
44	Structure Approach Drainage Details
45	Log of Test Borings

GENERAL PLAN

CONSTRUCTABILITY REVIEW BY: *	PROJECT ENGINEER: Greg Young C47756		COUNTY OF SANTA BARBARA DEPARTMENT OF PUBLIC WORKS TRANSPORTATION DIVISION	DESIGN BY: R. FERGUSON	CHECKED BY: C. POLGLASE	SCALE: AS SHOWN	PROJECT No. 862319	GOLETA BEACH PARK ACCESS ROAD BRIDGE REPLACEMENT	SHEET No. 26 OF X
LAYOUT BY:	CHECKED BY:			DETAILS BY: C. POLGLASE	CHECKED BY:				FILE No. ----
SPECIFICATIONS BY:	PLANS & SPECS COMPARED BY:	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	FOR REDUCED PLANS ORIGINAL SCALE IN INCHES	QUANTITIES BY:	CHECKED BY: QTY CHK	REVISION DATES (PRELIMINARY STAGE ONLY)			



Notes:
 X = 10' intervals along station line
 Contours Intervals = 0.10'
 Contours do not include camber

PLAN
 1" = 20'



- Structural Concrete,
- Structural Concrete, Bridge (See Prestressing Notes on "Girder Layout" sheet)
- Structural Concrete, Approach Slab Type EQ (10)
- Cast-In-Drilled-Hole Concrete Pile ($f'_c = 4.0$ ksi at 28 days)
- Structural Concrete, Bridge ($f'_c = 4.0$ ksi @ 28 days)

CONCRETE STRENGTH AND TYPE LIMITS

Scale

GENERAL NOTES

LOAD AND RESISTANCE FACTOR DESIGN

DESIGN: AASHTO LRFD Bridge Design Specifications, 4th edition with interims through 2009 and with the Caltrans Amendments, preface dated November 2011.

SEISMIC DESIGN: Caltrans Seismic Design Criteria (SDC), version 1.7, dated April 2013.

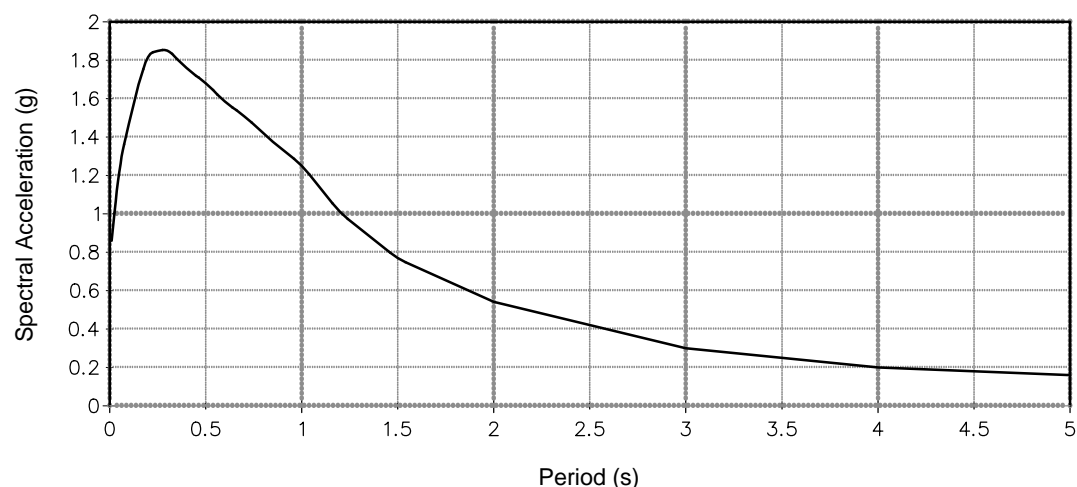
DEAD LOAD: Includes 35 psf for future wearing surface.

LIVE LOADING: HL93 W/Low-Boy and permit design load.

SEISMIC LOADING:
 Soil profile $V_{30} = 350$ m/s
 Moment Magnitude $M_{max} = 8.0$
 Peak Ground Acceleration = 0.23 g

CONCRETE:
 $f_y = 60$ ksi
 $f'_c = 3.6$ ksi
 $n = 8$

PRESTRESSED CONCRETE:
 See "Prestressing Notes" on "Girder Layout" sheet.

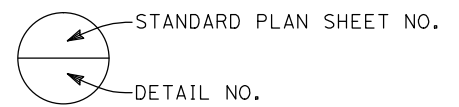


ACCELERATION RESPONSE SPECTRA CURVE

No Scale

STANDARD PLANS DATED 2010

- A10A Abbreviations (sheet 1 of 2)
- A10B Abbreviations (sheet 2 of 2)
- A10C Lines and Symbols (sheet 1 of 3)
- A10D Lines and Symbols (sheet 2 of 3)
- A10E Lines and Symbols (sheet 3 of 3)
- A10F Legend - Soil (Sheet 1 of 2)
- A10G Legend - Soil (Sheet 2 of 2)
- A10H Legend - Rock
- A62C Limits of Payment for Excavation and Backfill- Bridge
- B0-1 Bridge Details
- B0-3 Bridge Details
- B0-5 Bridge Details
- B0-13 Bridge Details
- B6-21 Joint Seals (Maximum Movement Rating = 2")
- B7-1 Box Girder Details
- B7-6 Deck Drains - Types D-1 and D-2
- B7-8 Deck Drainage Details
- B7-10 Utility Opening - Box Girder
- B7-11 Utility Details
- B8-5 Cast-in-Place Prestressed Girder Details
- B11-54 Concrete Barrier Type 26
- B11-55 Concrete Barrier Type 732
- B14-3 Communication and Sprinkler Control Conduits (Conduits less than 4")



DECK CONTOURS

DC-1

CONSTRUCTION STARTED:		PROJECT ENGINEER:		DESIGN BY:	CHECKED BY:	SCALE:	PROJECT NO.	GOLETA BEACH PARK ACCESS ROAD BRIDGE REPLACEMENT	SHEET NO.
CONSTRUCTION COMPLETED:		Greg Young		R. FERGUSON	-----	AS SHOWN	862319		27 OF X
RECORD DRAWING APPROVED BY:		C47756		D. POLGLASE	-----				FILE NO.
				QUANTITIES BY:	CHECKED BY:	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)	

FOR REDUCED PLANS ORIGINAL SCALE IN INCHES

Legend:

○ Indicates CIDH Concrete Pile

HYDROLOGIC SUMMARY

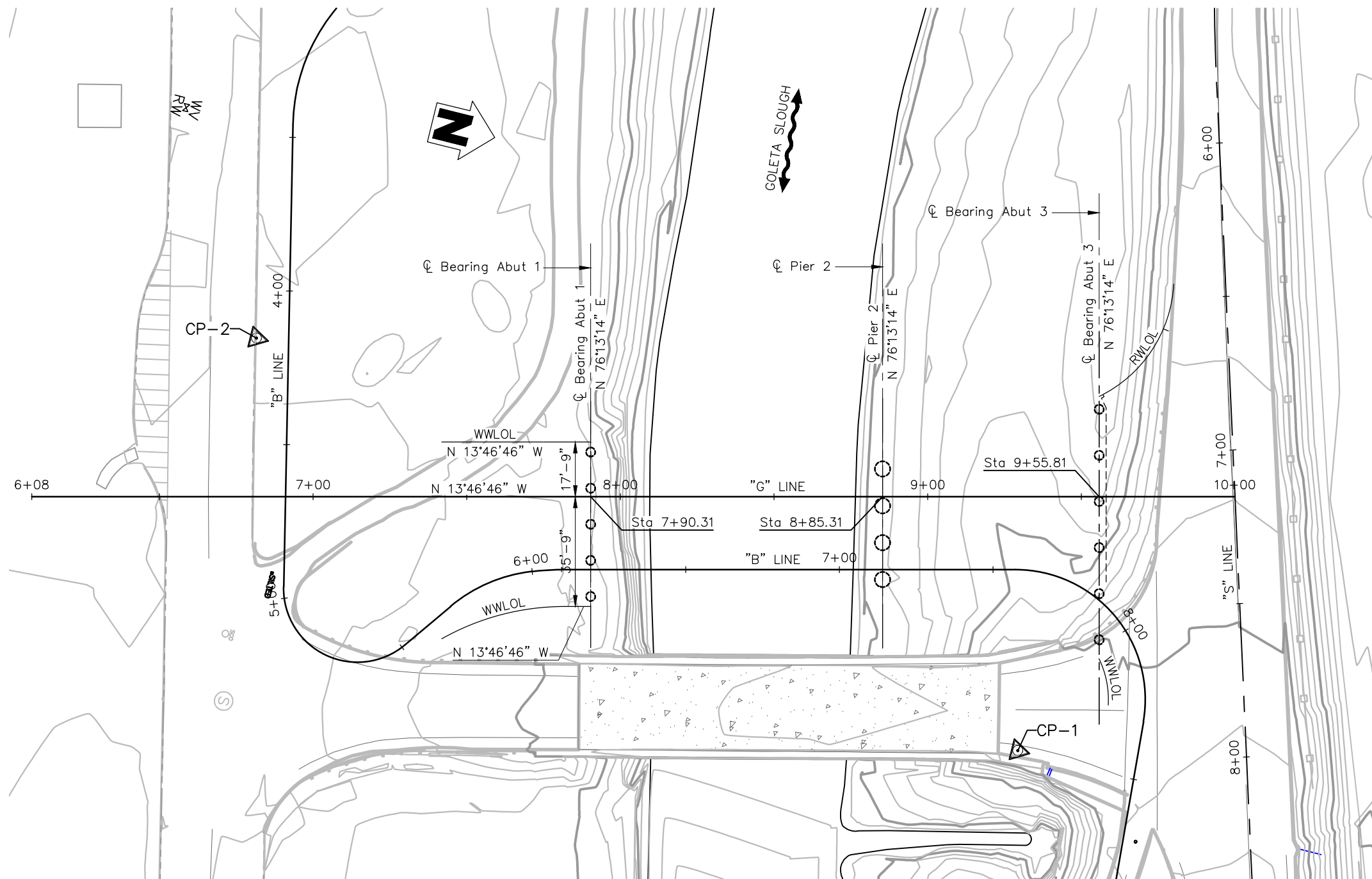
Drainage area: XXX.XX Square Miles

	Design Flood	Base Flood	Overtopping Flood
Frequency (years)	50	XXX	XXX
Discharge (cubic feet per second)	XXX	XXX	XXX
Water Surface Elev at Bridge (ft)	7.0	XXX	XXX

Flood plain data based upon information available when the plans were prepared and are shown to meet Federal requirements. The accuracy of said information is not warranted by the County and interested or affected parties should make their own investigations.

QUANTITIES

Structural Concrete, Bridge	CY
Structural Concrete, Approach Slab (Type EQ)	CY
Prestressing Cast-In-Place Concrete	LS
Bar Reinforcing Steel (Bridge)	LB
Structural Excavation (Bridge)	CY
Structural Excavation (Type D)	CY
Structural Backfill (Bridge)	CY
Joint Seal (Type B MR=2")	LF
36" Cast-In-Drilled-Hole Concrete Piling	LF
Concrete Barrier (Type 80)	LF
Concrete Sidewalk	LF
Tubular Bicycle Railing	LF
Ornamental Metal Guardrailing	LF
Bridge Removal	LS



PLAN
1" = 20'

PILE DATA TABLE

POINT	NORTHING	EASTING	ELEVATION	LINE	STATION	OFFSET	Rt/Lt	DESCRIPTION
CP-1	1,979,505.73	6,009,362.07	15.60	"G"	9+29.31	82.65'	RT	CP MAG & TIN
CP-2	1,979,233.15	6,009,290.71	13.30	"G"	6+81.57	51.58'	LT	CP MAG & TIN

LOCATION	PILE TYPE	CUT-OFF ELEVATION	DESIGN LOADING	NOMINAL RESISTANCE		DESIGN TIP ELEVATION	SPECIFIED TIP ELEVATION
				COMPRESSION	TENSION		
Abut 1	36" CIDH	N/A	250	540	N/A	-36(1), -37(2)	-37
Pier 2	60" CIDH	-7	1500	2700	N/A	-89(1), -50(2)	-89
Abut 3	36" CIDH	N/A	250	460	N/A	-37(1), -48(2)	-48

Notes: Design Tip Elevation is controlled by the following demands:
 (1) Compression, (2) Lateral Loads.
 Tip elevations are controlled by liquefaction and should not be raised. For seismic load combinations consider post liquefaction downdrag of 85 kips per pile at abutments and 85 kips per pile at piers. Design scour at piers is Elev xxxx

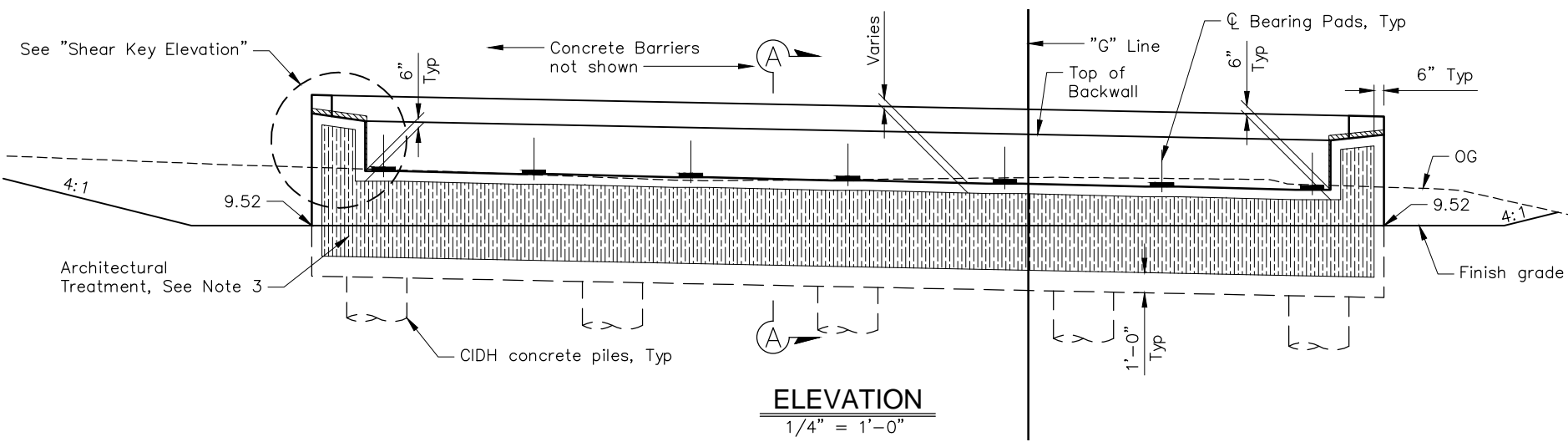
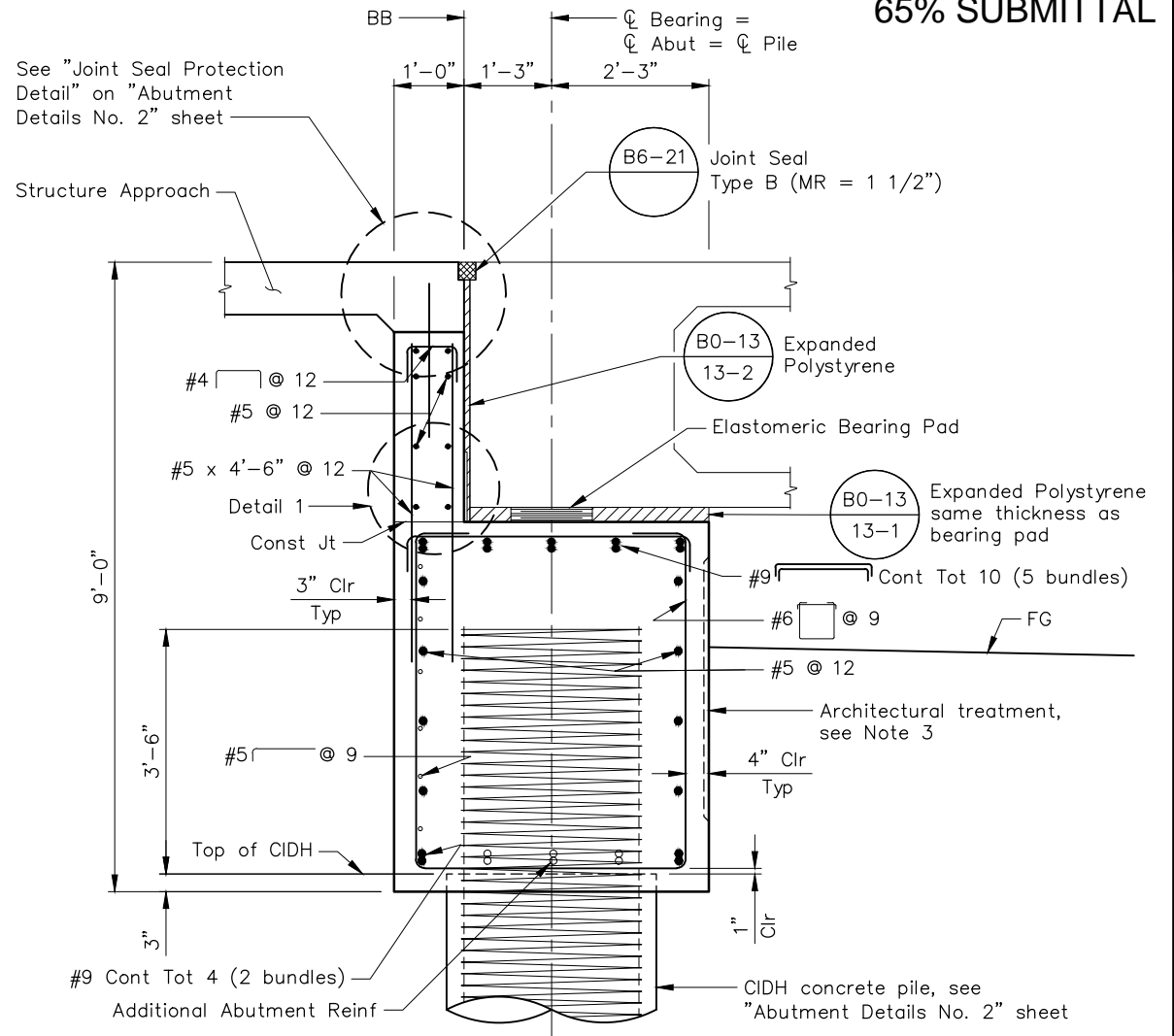
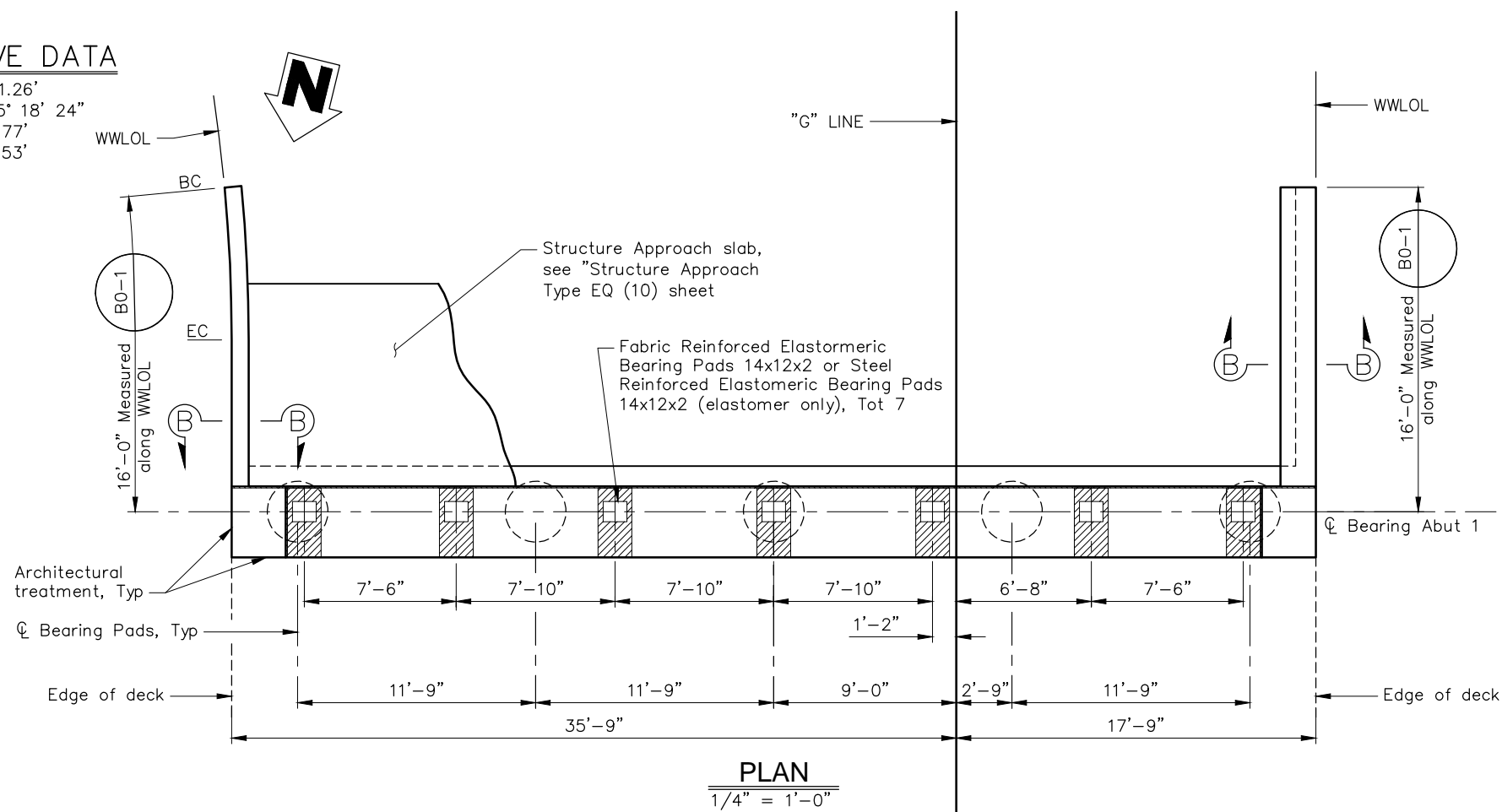
FOUNDATION PLAN
FP-1

CONSTRUCTION STARTED:	PROJECT ENGINEER:		COUNTY OF SANTA BARBARA DEPARTMENT OF PUBLIC WORKS TRANSPORTATION DIVISION	DESIGN BY:	CHECKED BY:	SCALE:	PROJECT NO.	GOLETA BEACH PARK ACCESS ROAD BRIDGE REPLACEMENT	SHEET NO.
CONSTRUCTION COMPLETED:	Greg Young			R. FERGUSON	-----	AS SHOWN	862319		28 OF X
RECORD DRAWING APPROVED BY:	C47756			D. POLGLASE	-----	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)		FILE NO.

FOR REDUCED PLANS ORIGINAL SCALE IN INCHES 0 1 2 3

CURVE DATA

R=81.26'
 Δ = 5° 18' 24"
 T=3.77'
 L=7.53'



Additional Abutment reinforcement, see "Partial Elevation"

SECTION A-A
 3/4" = 1'-0"

Notes:

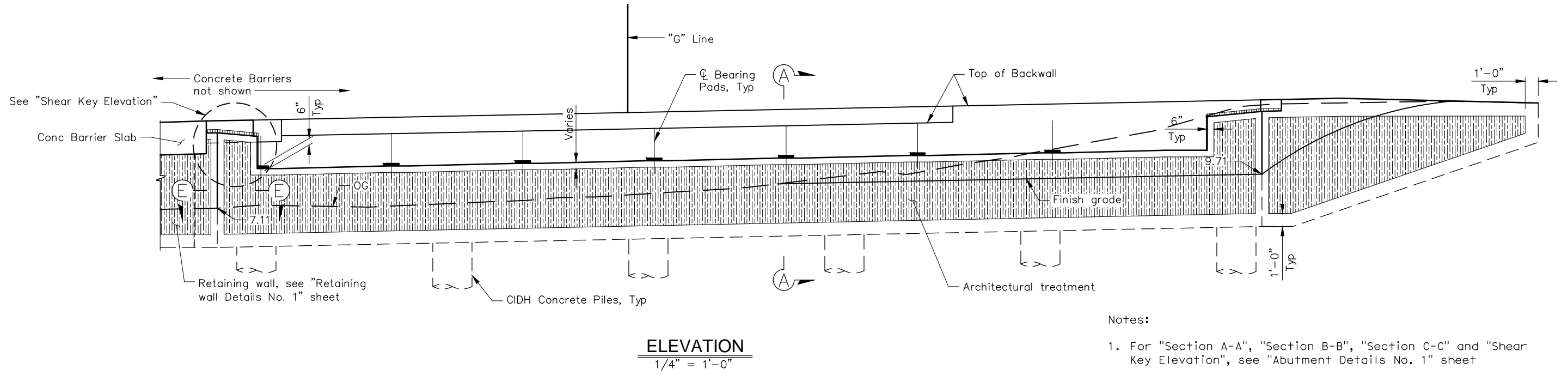
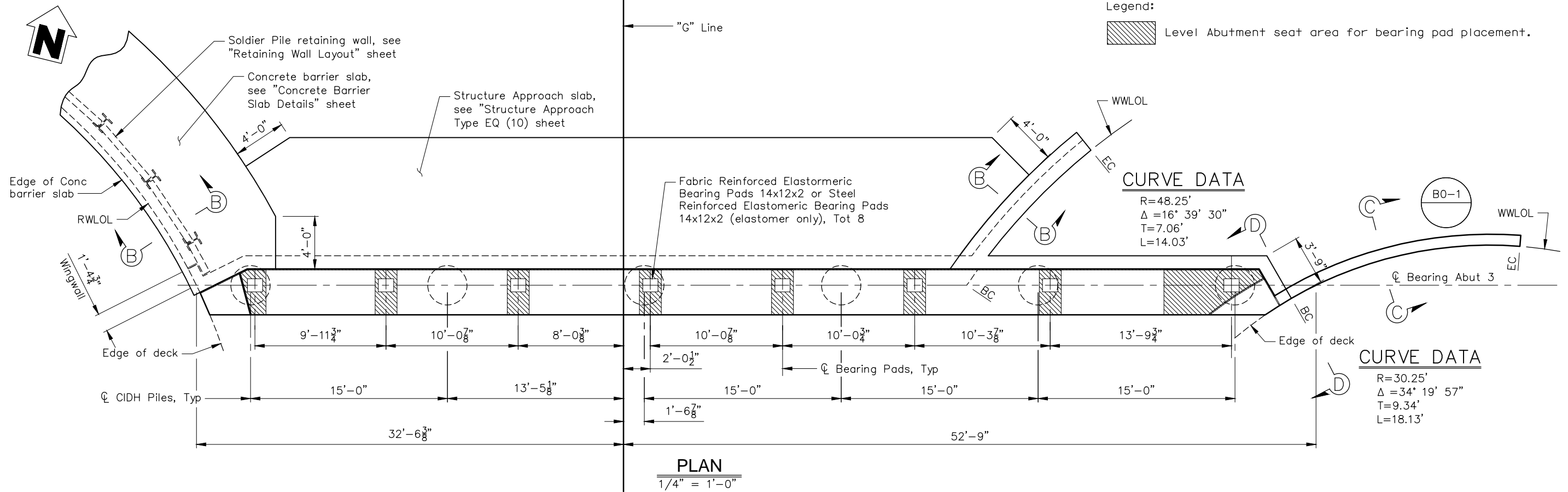
1. For "Section B-B" and "Shear Key Elevation", see "Abutment Details No. 1" sheet
2. For "Bearing Pad Detail", see "Abutment Details No. 2" sheet.
3. For Architectural Treatment information, see "Architectural Details" sheet.

Legend:

- level abutment seat area for bearing pad placement.
- Architectural Treatment

ABUTMENT 1 LAYOUT
 AL-1

CONSTRUCTION STARTED:	PROJECT ENGINEER:		COUNTY OF SANTA BARBARA DEPARTMENT OF PUBLIC WORKS TRANSPORTATION DIVISION	DESIGN BY:	CHECKED BY:	SCALE:	PROJECT NO.	GOLETA BEACH PARK ACCESS ROAD BRIDGE REPLACEMENT	SHEET NO.
CONSTRUCTION COMPLETED:	Greg Young			R. FERGUSON	-----	AS SHOWN	862319		29 OF X
RECORD DRAWING APPROVED BY:	C47756			D. POLGLASE	-----	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)		
			FOR REDUCED PLANS ORIGINAL SCALE IN INCHES						



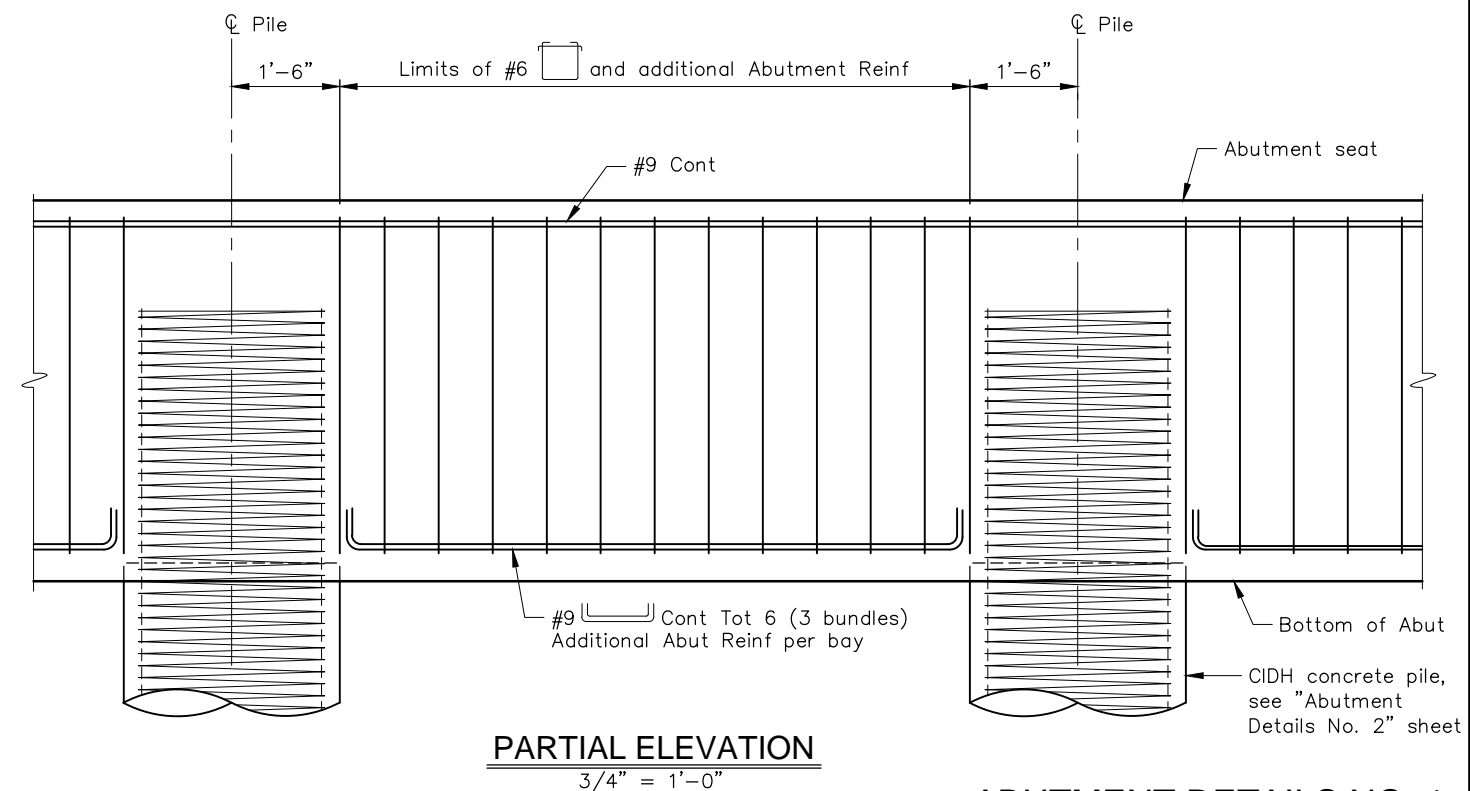
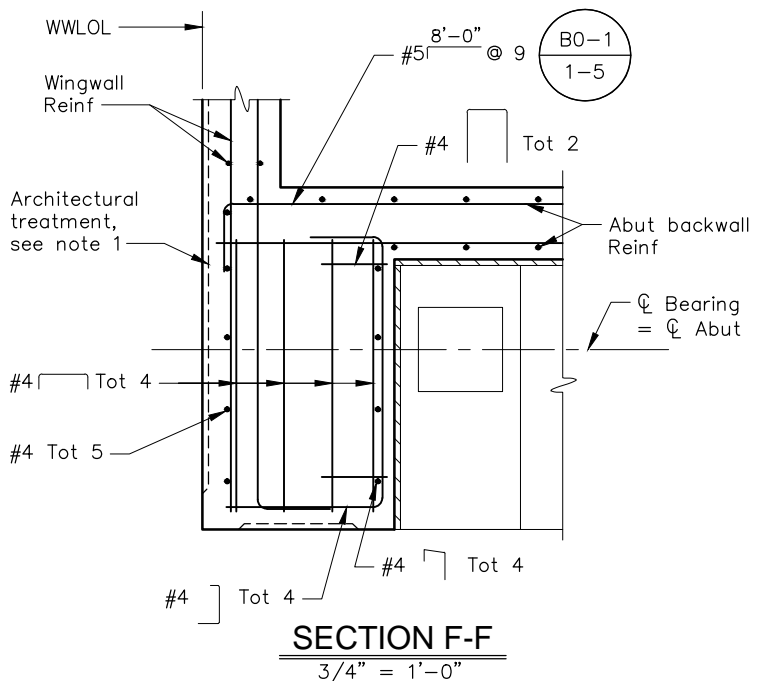
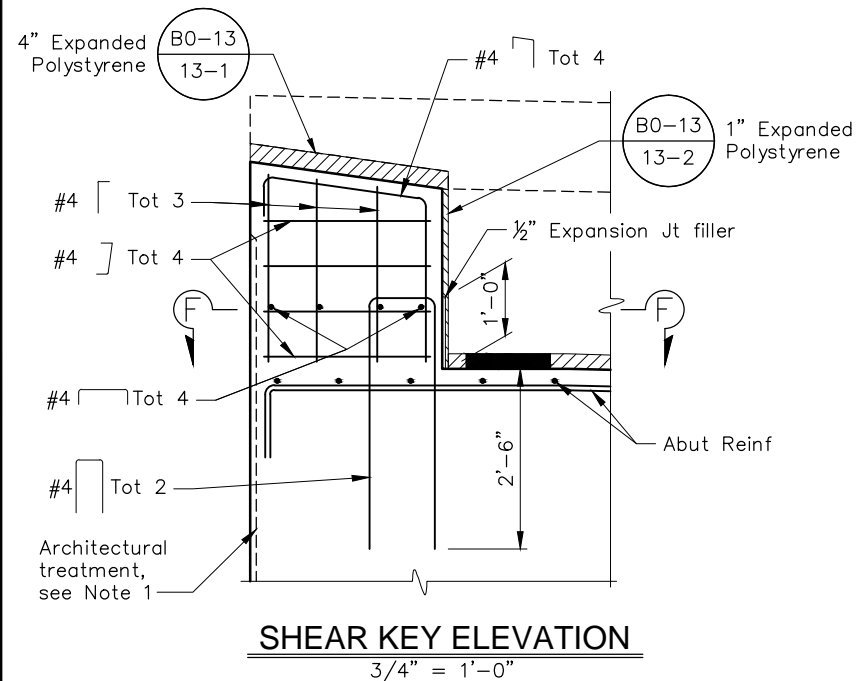
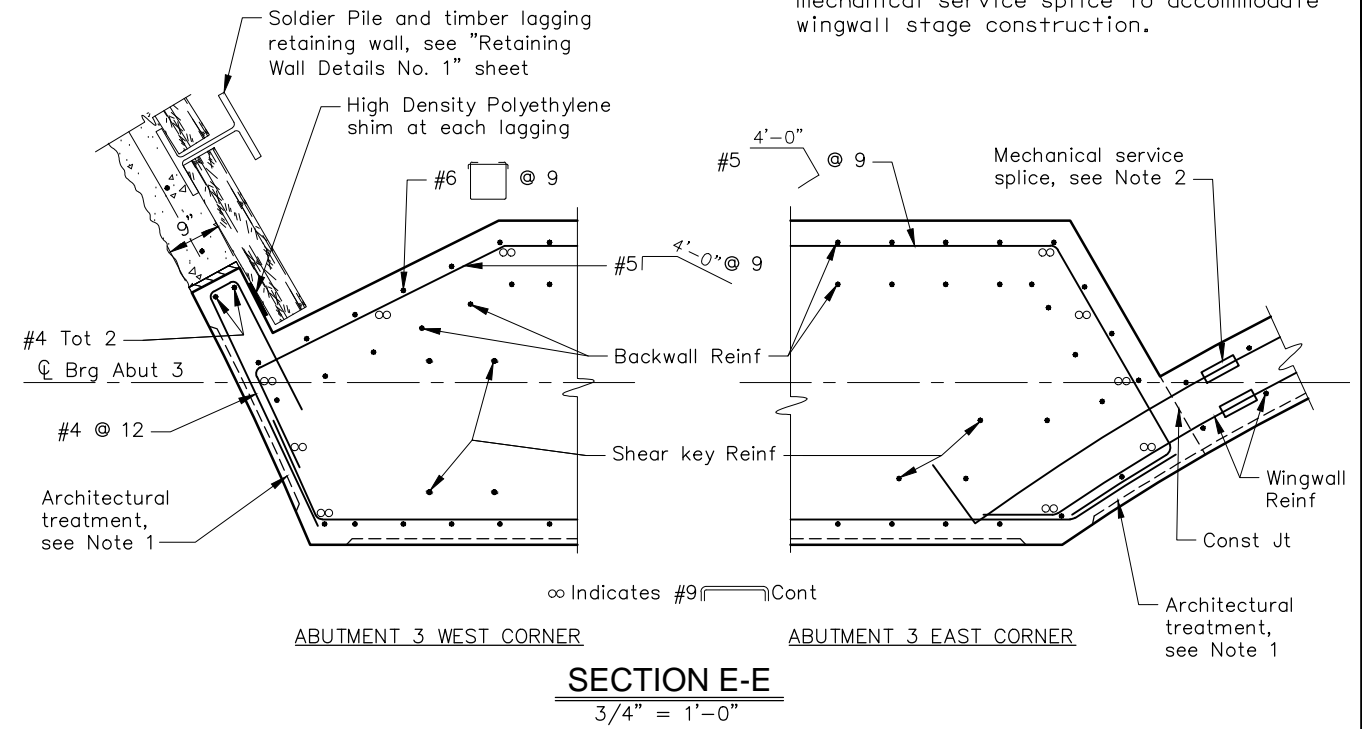
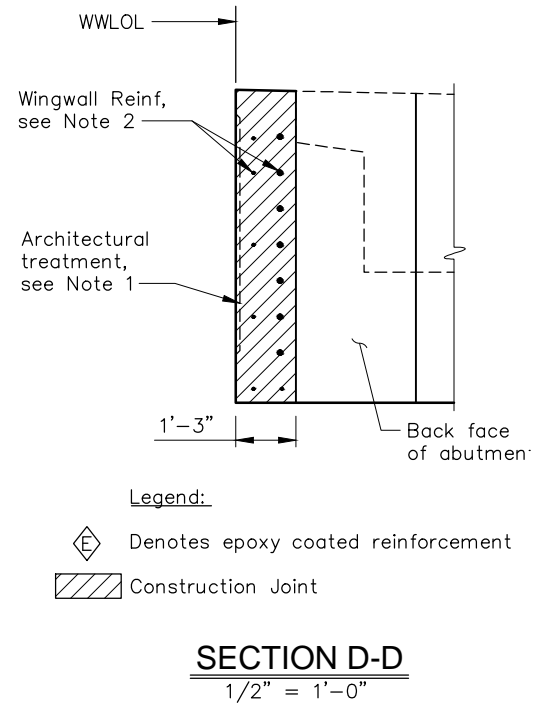
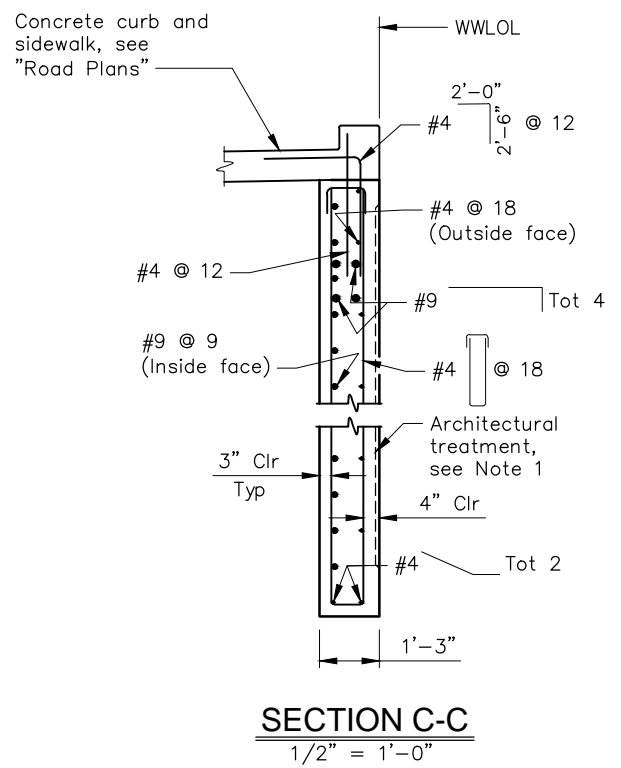
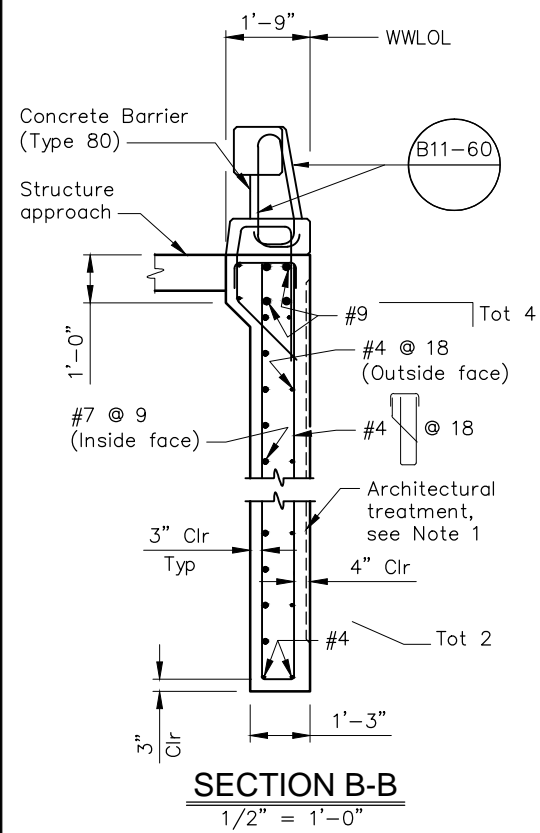
- Notes:
1. For "Section A-A", "Section B-B", "Section C-C" and "Shear Key Elevation", see "Abutment Details No. 1" sheet
 2. For "Bearing Pad Detail", see "Abutment Details No. 2" sheet

ABUTMENT 3 LAYOUT
AL-3

CONSTRUCTION STARTED:	PROJECT ENGINEER:		COUNTY OF SANTA BARBARA DEPARTMENT OF PUBLIC WORKS TRANSPORTATION DIVISION	DESIGN BY:	CHECKED BY:	SCALE:	PROJECT NO.	GOLETA BEACH PARK ACCESS ROAD BRIDGE REPLACEMENT	SHEET NO.
CONSTRUCTION COMPLETED:	Greg Young			R. FERGUSON	-----	AS SHOWN	862319		30 OF X
RECORD DRAWING APPROVED BY:	C47756			D. POLGLASE	-----	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)		

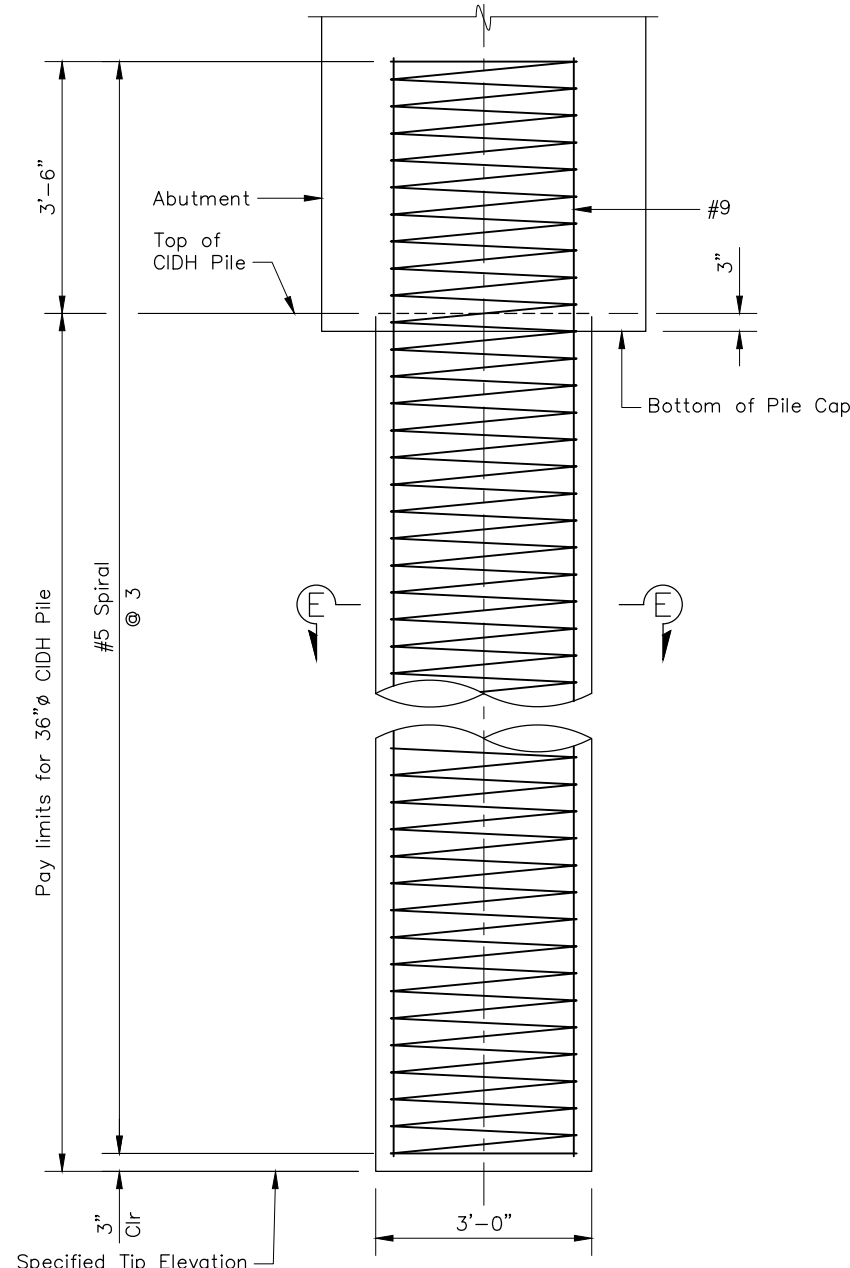
Notes:

1. For "Architectural treatment", see "Architectural Details" sheet.
2. Extend wingwall reinforcement 12" minimum beyond construction joint and provide mechanical service splice to accommodate wingwall stage construction.

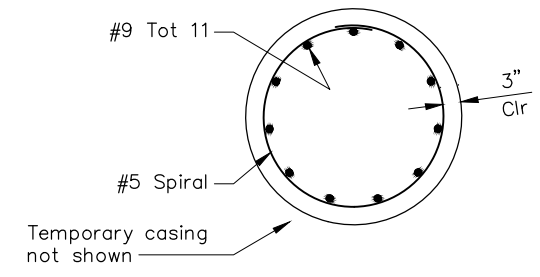


ABUTMENT DETAILS NO. 1
AD-1

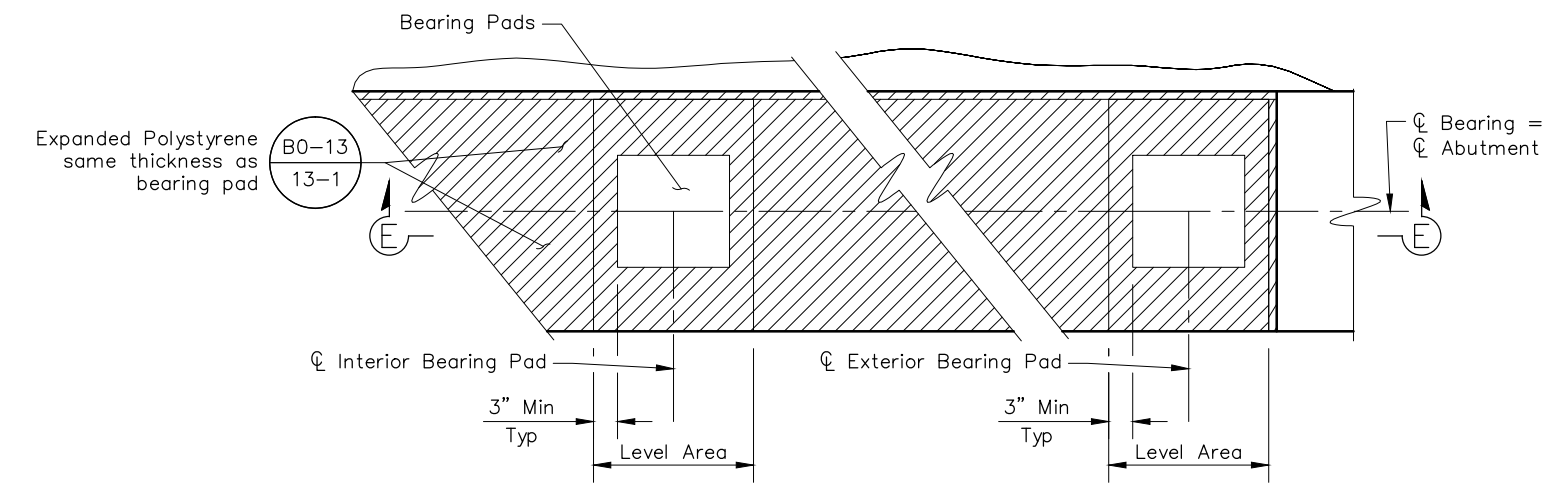
CONSTRUCTION STARTED:	PROJECT ENGINEER:		COUNTY OF SANTA BARBARA DEPARTMENT OF PUBLIC WORKS TRANSPORTATION DIVISION	DESIGN BY:	CHECKED BY:	SCALE:	PROJECT NO.	GOLETA BEACH PARK ACCESS ROAD BRIDGE REPLACEMENT	SHEET NO.
CONSTRUCTION COMPLETED:	Greg Young			R. FERGUSON	-----	AS SHOWN	862319		31 OF X
RECORD DRAWING APPROVED BY:	C47756			D. POLGLASE	-----	DISREGARD PRINTS BEARING EARLIER REVISION DATES			FILE NO.
		FOR REDUCED PLANS ORIGINAL SCALE IN INCHES		0 1 2 3		REVISION DATES (PRELIMINARY STAGE ONLY)			



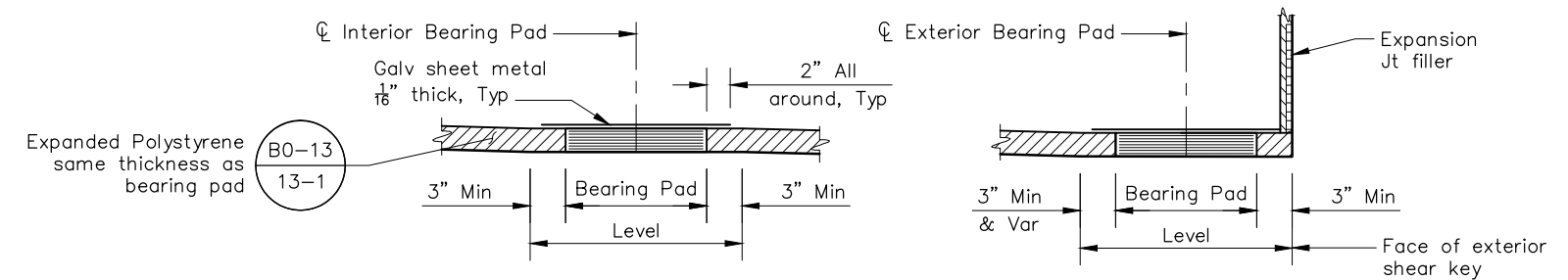
36"Ø CIDH PILE DETAIL
3/4" = 1'-0"



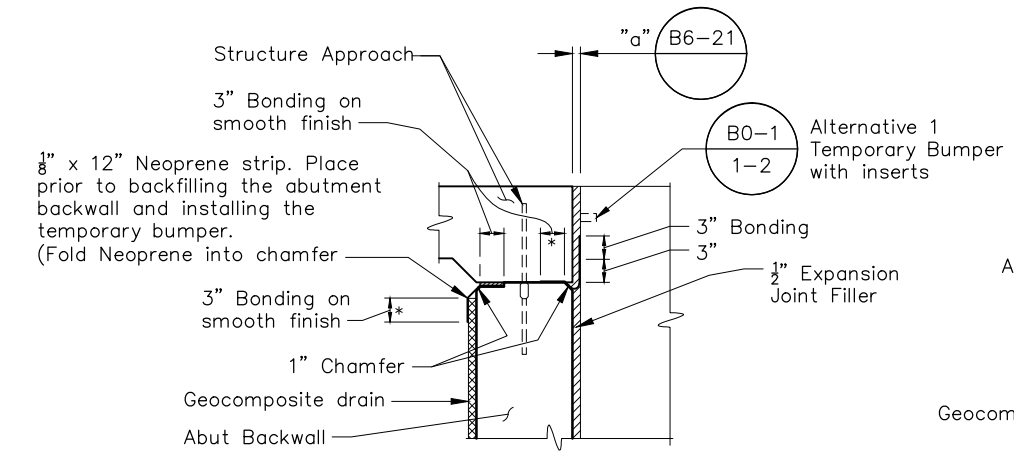
SECTION E-E
3/4" = 1'-0"



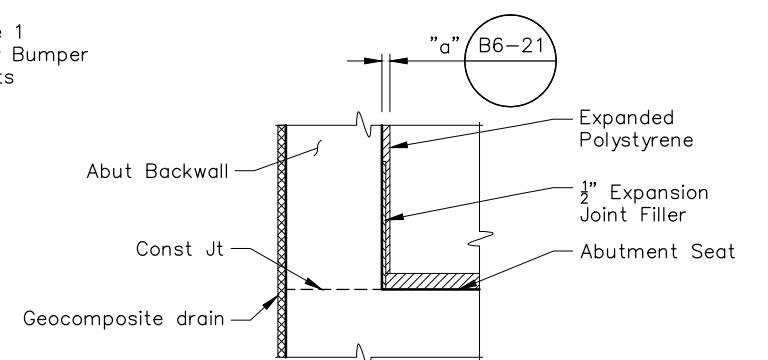
BEARING PAD DETAIL
No Scale



SECTION E-E
No Scale



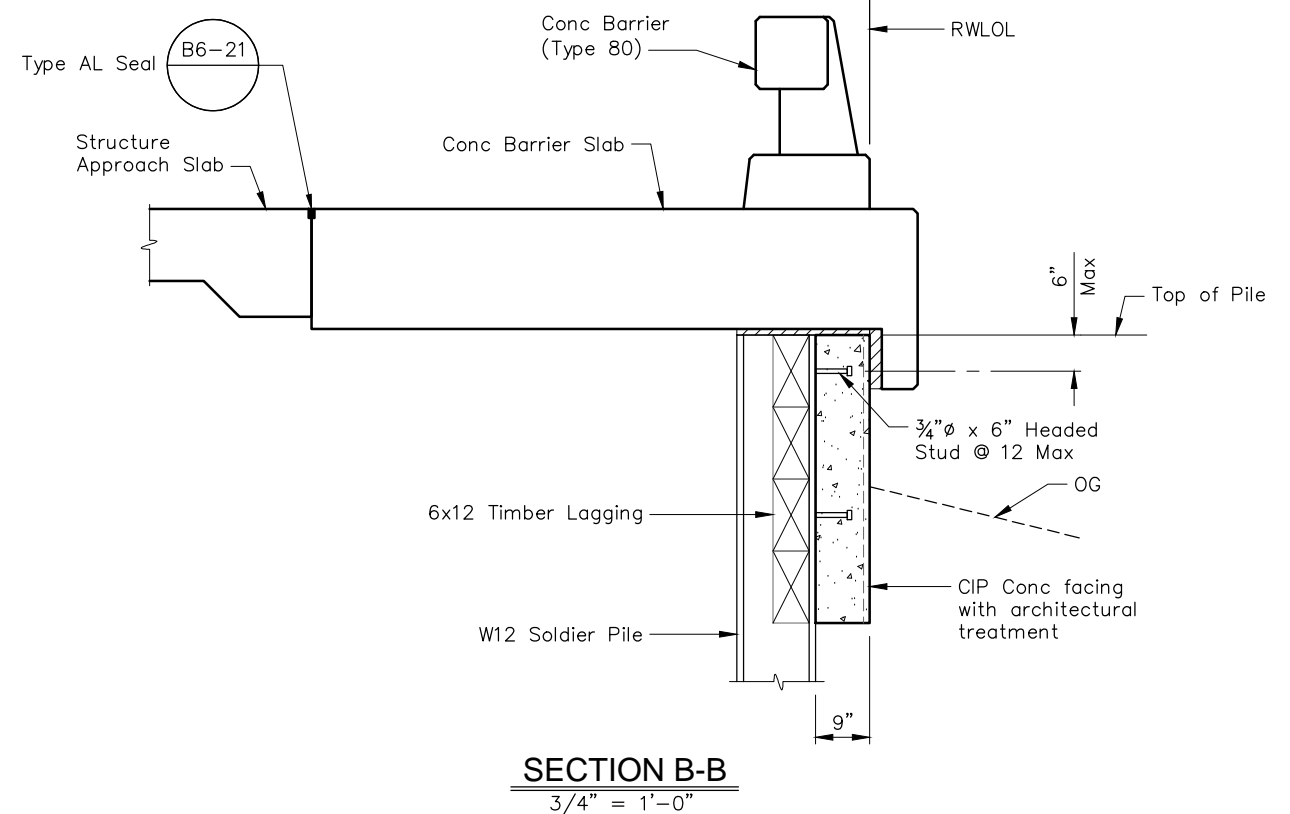
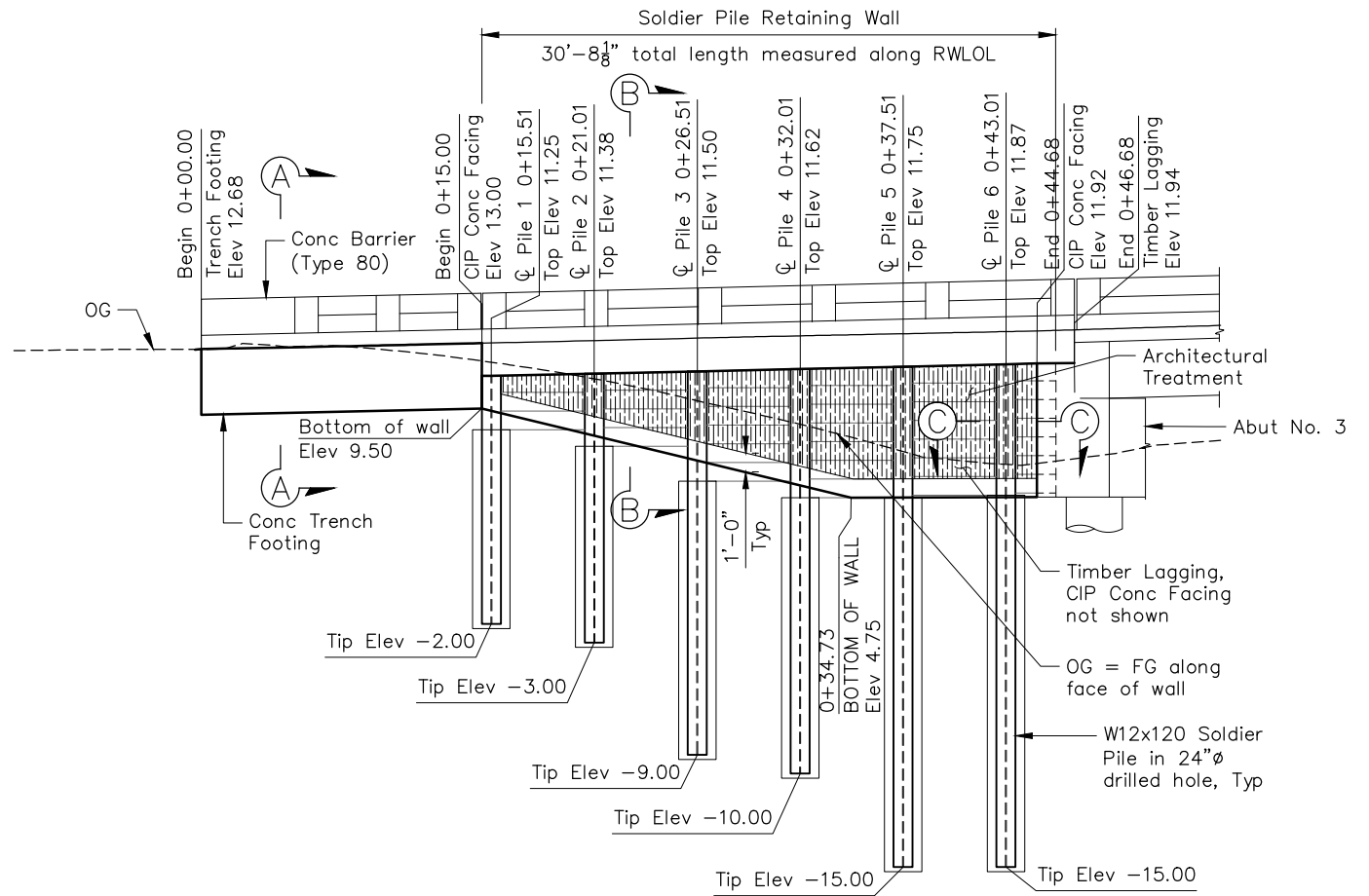
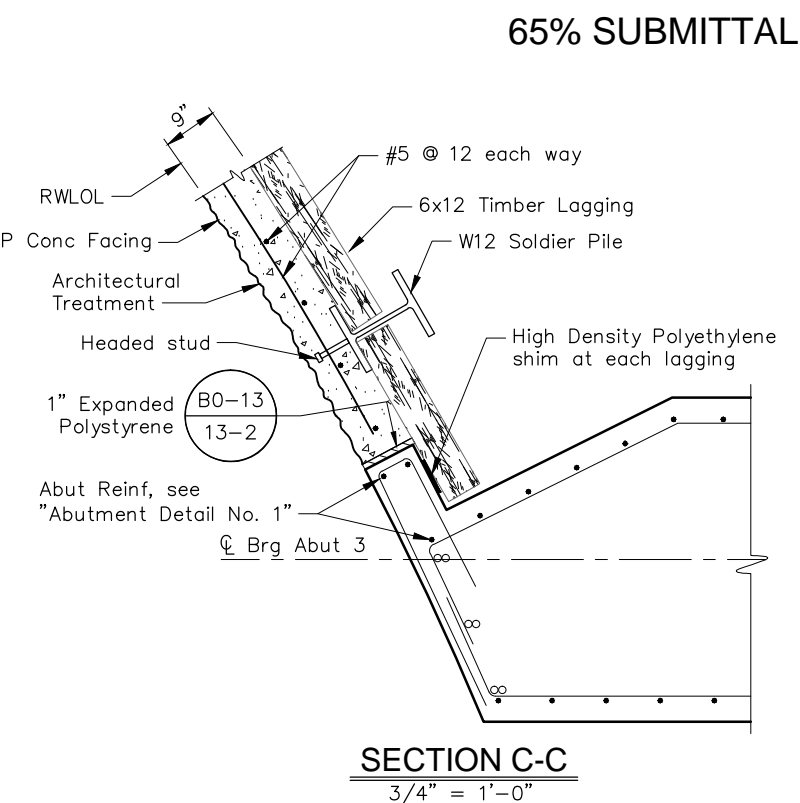
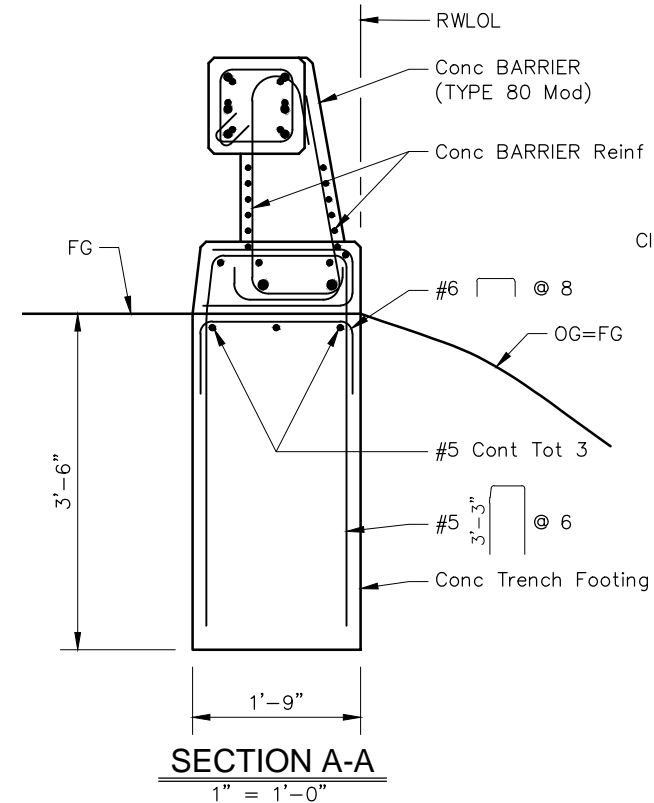
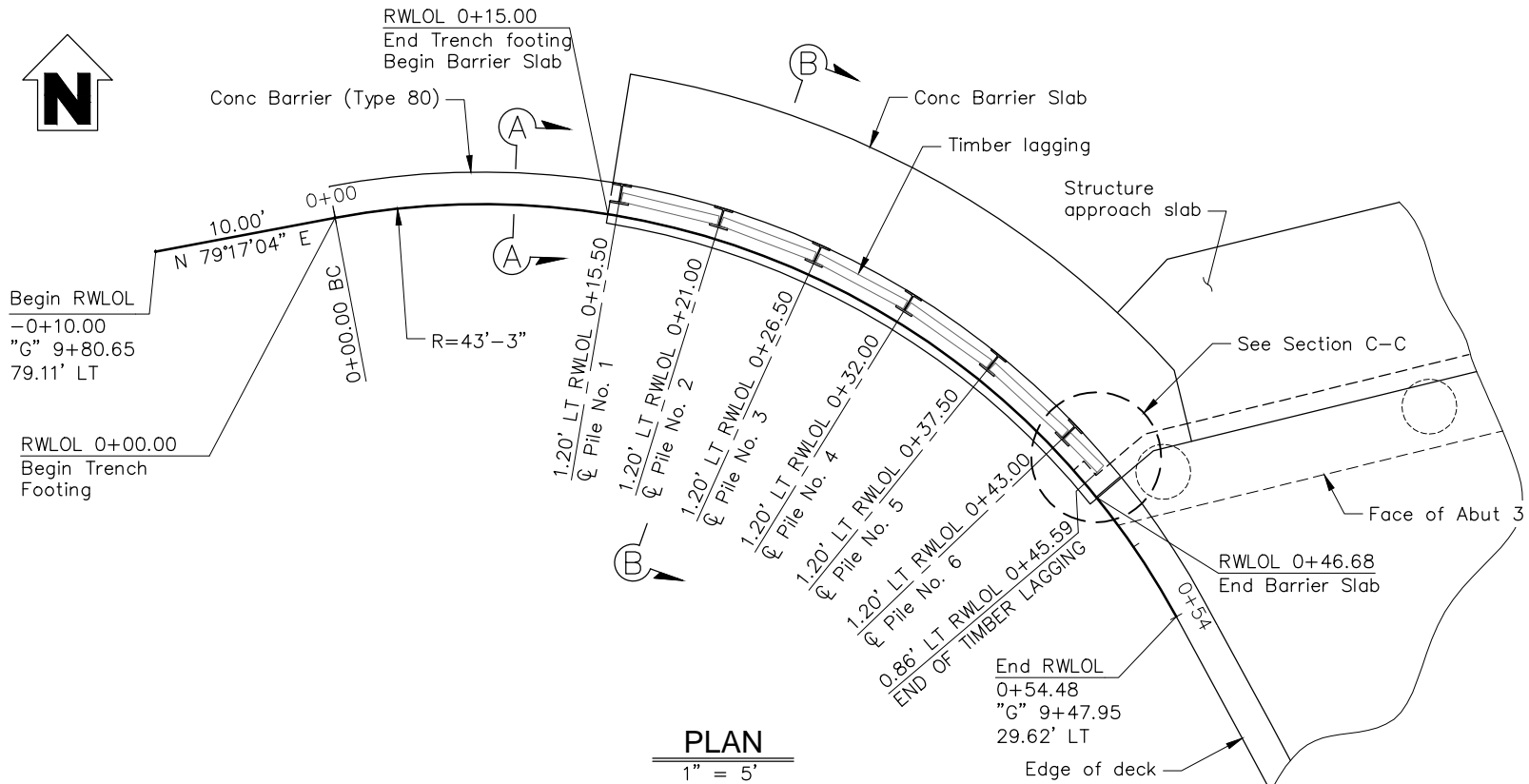
JOINT SEAL PROTECTION DETAIL
1" = 1'-0"



DETAIL 1
1" = 1'-0"

ABUTMENT DETAILS NO. 2
AD-2

CONSTRUCTION STARTED:	PROJECT ENGINEER:		COUNTY OF SANTA BARBARA DEPARTMENT OF PUBLIC WORKS TRANSPORTATION DIVISION	DESIGN BY:	CHECKED BY:	SCALE:	PROJECT NO.	GOLETA BEACH PARK ACCESS ROAD BRIDGE REPLACEMENT	SHEET NO.
CONSTRUCTION COMPLETED:	Greg Young			R. FERGUSON	-----	AS SHOWN	862319		32 OF X
RECORD DRAWING APPROVED BY:	C47756			D. POLGLASE	-----	DISREGARD PRINTS BEARING EARLIER REVISION DATES			FILE NO.
			FOR REDUCED PLANS ORIGINAL SCALE IN INCHES	0 1 2 3	QUANTITIES BY:	REVISION DATES (PRELIMINARY STAGE ONLY)			

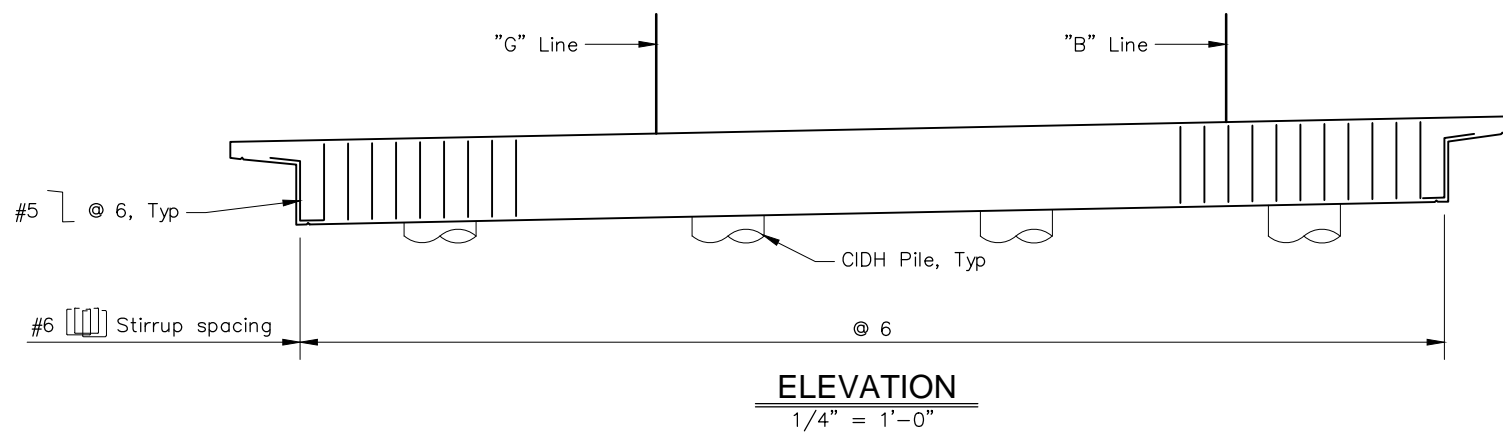
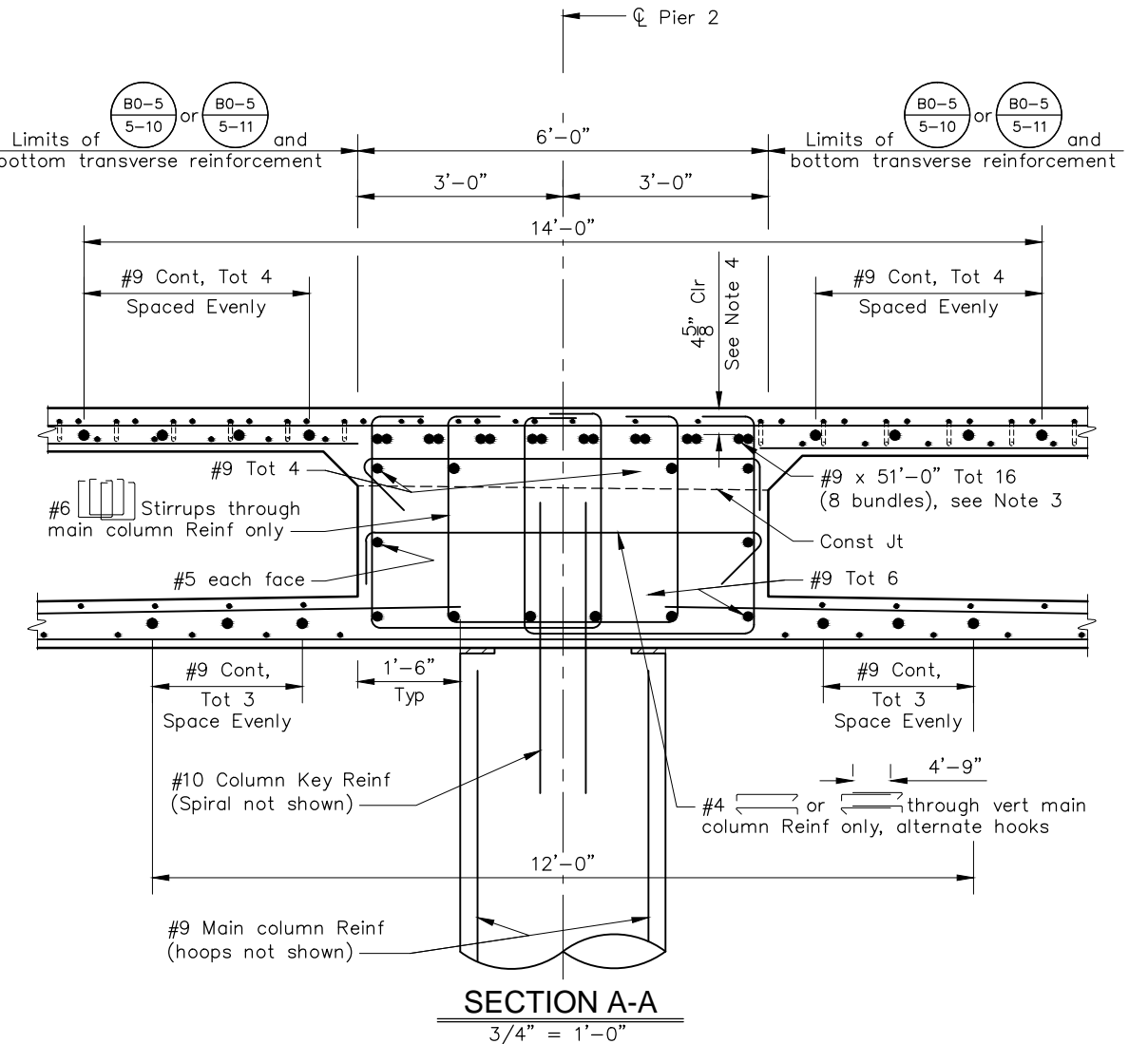
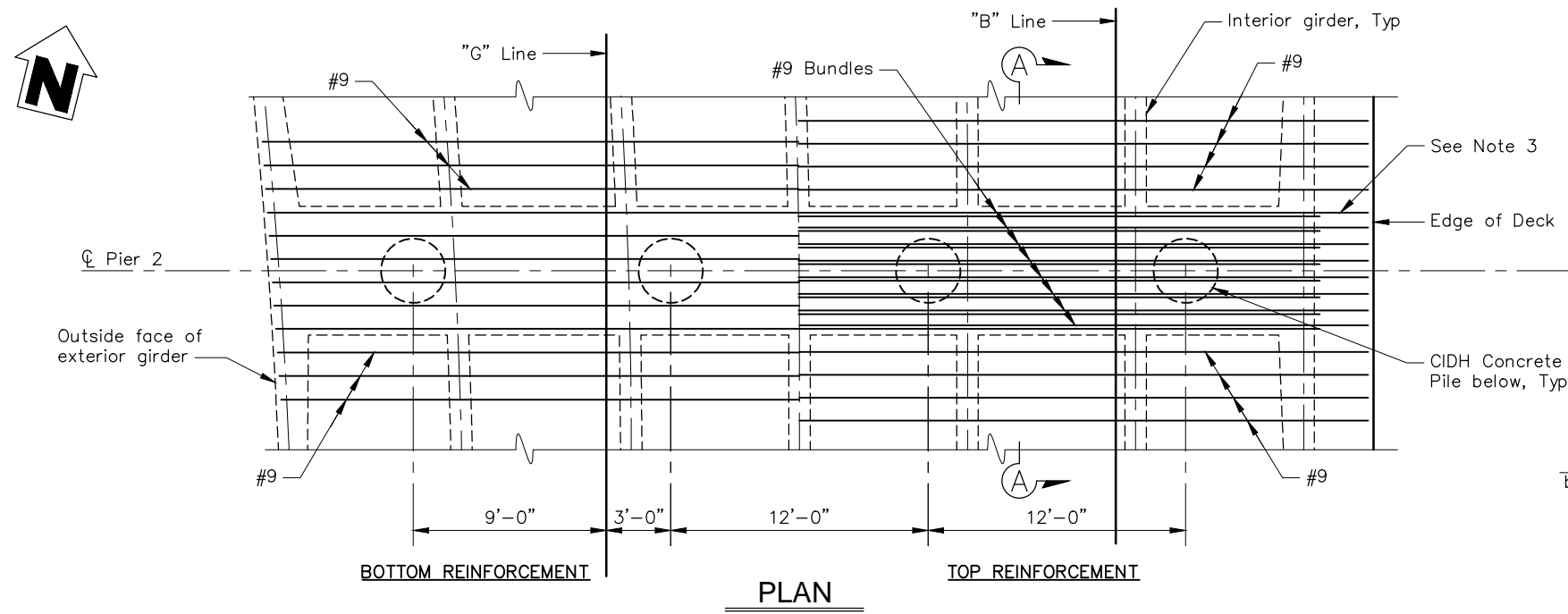


**RETAINING WALL LAYOUT
RW-1**

CONSTRUCTION STARTED:	PROJECT ENGINEER:		COUNTY OF SANTA BARBARA DEPARTMENT OF PUBLIC WORKS TRANSPORTATION DIVISION	DESIGN BY:	CHECKED BY:	SCALE:	PROJECT NO.	GOLETA BEACH PARK ACCESS ROAD BRIDGE REPLACEMENT	SHEET NO.
CONSTRUCTION COMPLETED:	Greg Young			R. FERGUSON	-----	AS SHOWN	862319		33 OF X
RECORD DRAWING APPROVED BY:	C47756			D. POLGLASE	-----	QUANTITIES BY:	-----		REVISION DATES (PRELIMINARY STAGE ONLY)
			FOR REDUCED PLANS ORIGINAL SCALE IN INCHES		0 1 2 3		DISREGARD PRINTS BEARING EARLIER REVISION DATES		

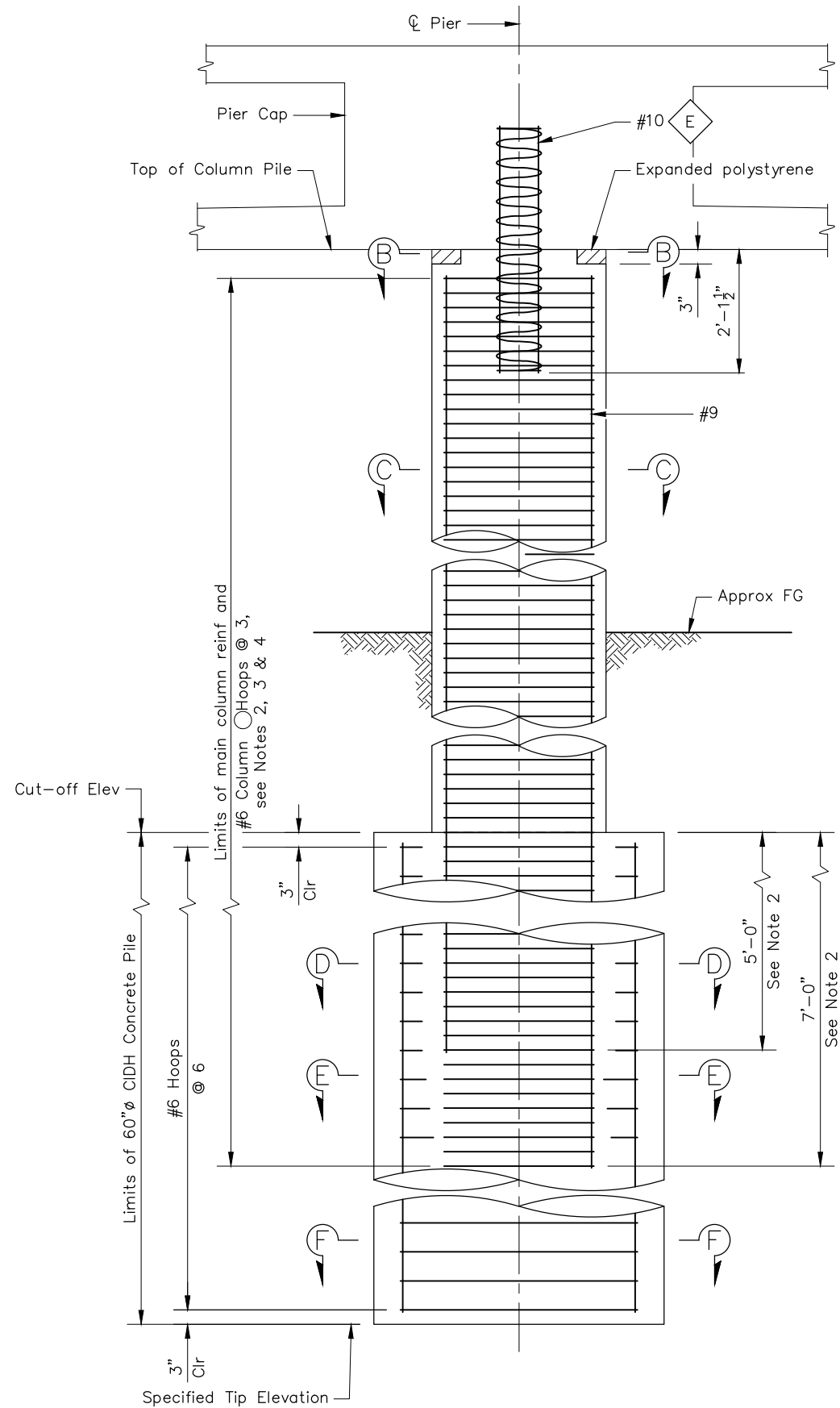
Notes:

1. For "Section A-A", "Section B-B" and "Shear Key Elevation", see "Abutment Details No. 1" sheet
2. For "Bearing Pad Detail", see "Abutment Details No. 2" sheet.
3. Stagger bundled bar termination as shown on plan.
4. Place bars as high as prestressing ducts will allow.

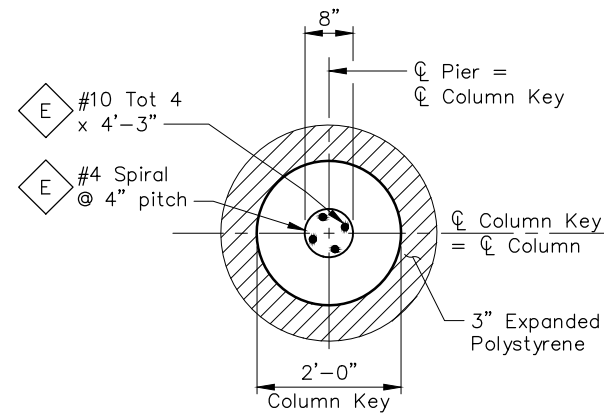


PIER DETAILS NO. 1
PD-1

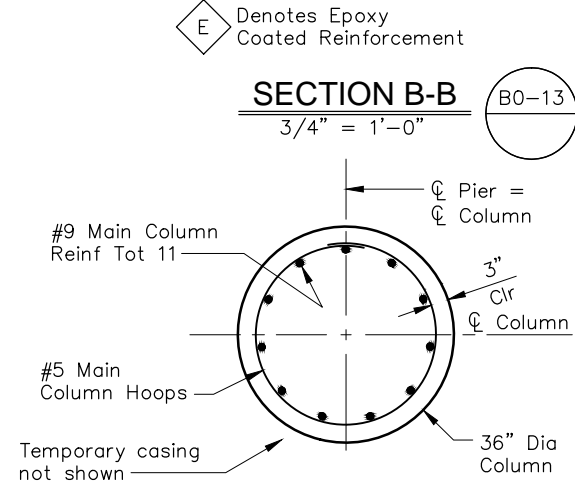
CONSTRUCTION STARTED:	PROJECT ENGINEER:		COUNTY OF SANTA BARBARA DEPARTMENT OF PUBLIC WORKS TRANSPORTATION DIVISION	DESIGN BY:	CHECKED BY:	SCALE:	PROJECT NO.	GOLETA BEACH PARK ACCESS ROAD BRIDGE REPLACEMENT	SHEET NO.	
CONSTRUCTION COMPLETED:	Greg Young			DATE	R. FERGUSON	-----	AS SHOWN		862319	34 OF X
RECORD DRAWING APPROVED BY:	C47756			DATE	D. POLGLASE	-----	QUANTITIES BY:		CHECKED BY:	FILE NO.
				FOR REDUCED PLANS ORIGINAL SCALE IN INCHES	0 1 2 3	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)		



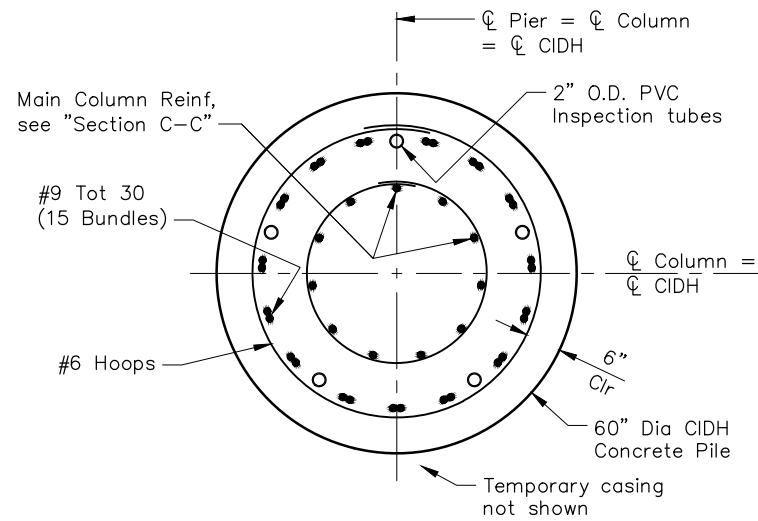
TYPE 2 CIDH PILE DETAIL
3/4" = 1'-0"



SECTION B-B
3/4" = 1'-0"

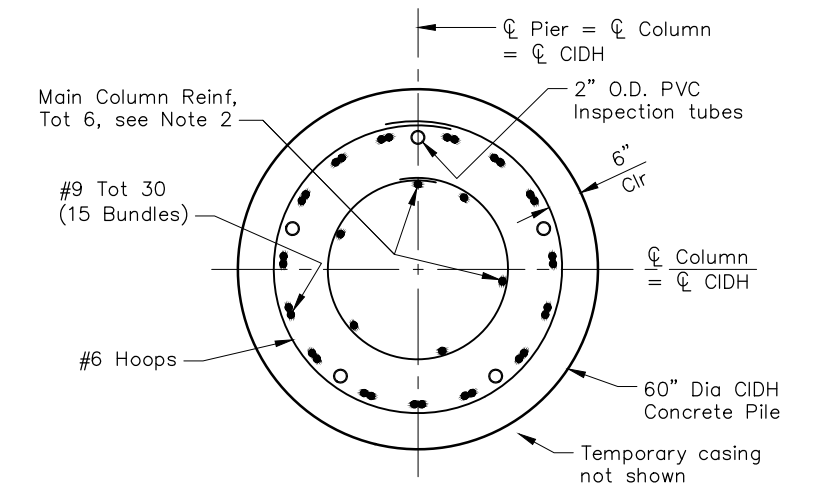


SECTION C-C
3/4" = 1'-0"

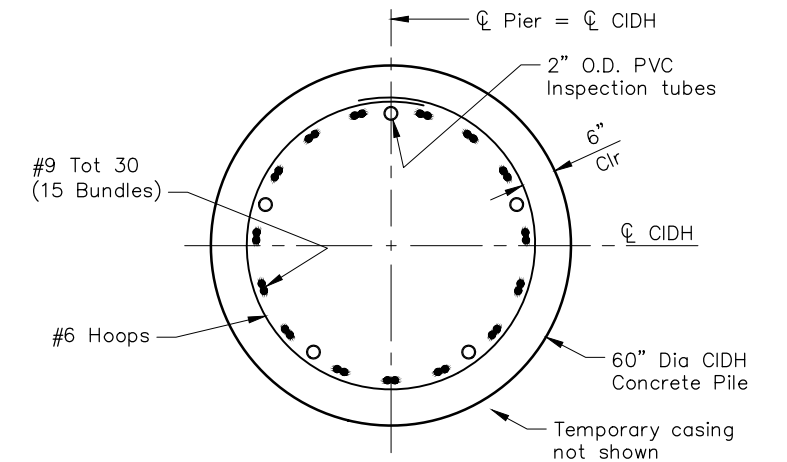


SECTION D-D
3/4" = 1'-0"

- Notes:
1. For "Pier "Section A-A", see "Pier Details No. 1" sheet
 2. Stagger length of alternating main longitudinal column bars into shaft.
 3. All hoops shall be "Ultimate" butt splice continuous.
 4. No splices allowed in any region of main column reinforcement.



SECTION E-E
3/4" = 1'-0"



SECTION F-F
3/4" = 1'-0"

CONSTRUCTION STARTED:		PROJECT ENGINEER:	
CONSTRUCTION COMPLETED:		Greg Young	DATE
RECORD DRAWING APPROVED BY:		C47756	



COUNTY OF SANTA BARBARA
DEPARTMENT OF PUBLIC WORKS
TRANSPORTATION DIVISION

DESIGN BY:
R. FERGUSON

DETAILS BY:
D. POLGLASE

CHECKED BY:

CHECKED BY:

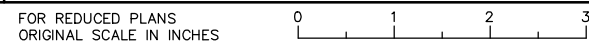
SCALE:
AS SHOWN

PROJECT NO.
862319

GOLETA BEACH PARK ACCESS ROAD
BRIDGE REPLACEMENT

SHEET NO.
35 OF X

FILE NO.



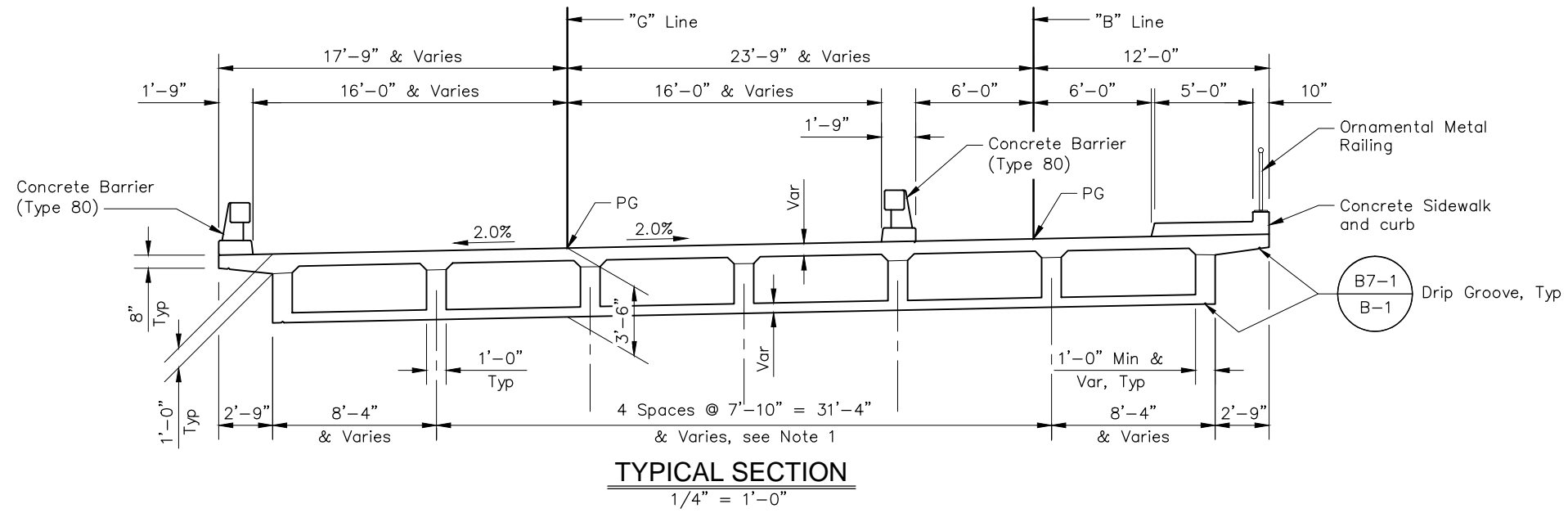
QUANTITIES BY:

CHECKED BY:

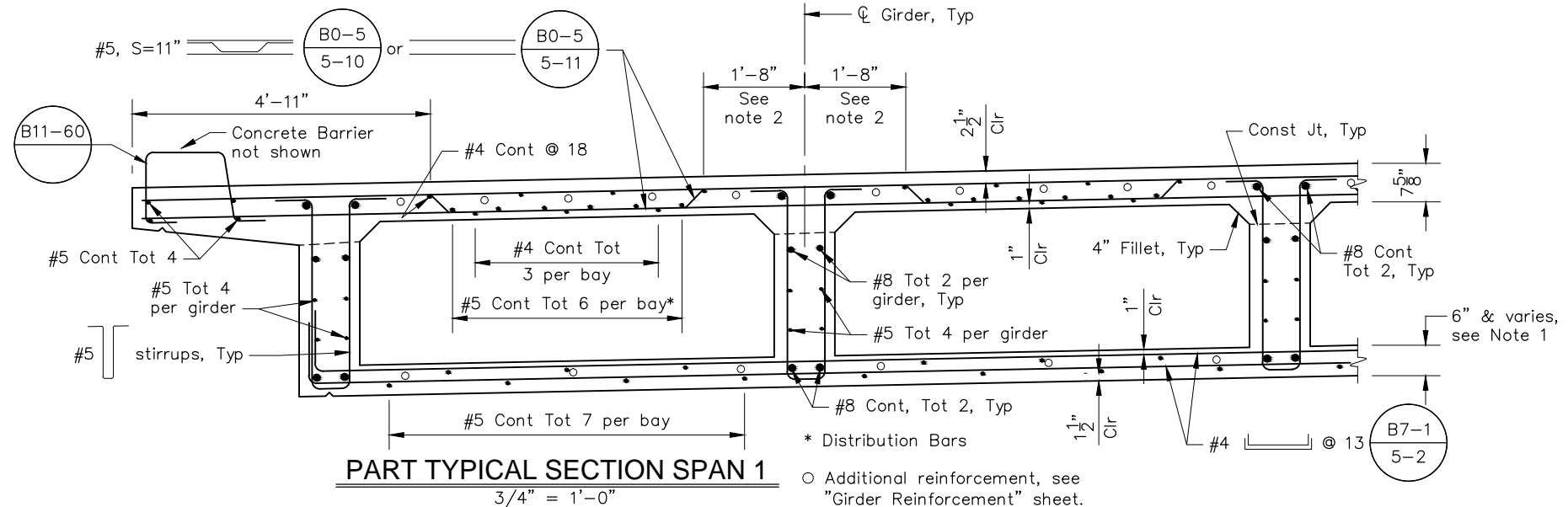
DISREGARD PRINTS BEARING
EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)

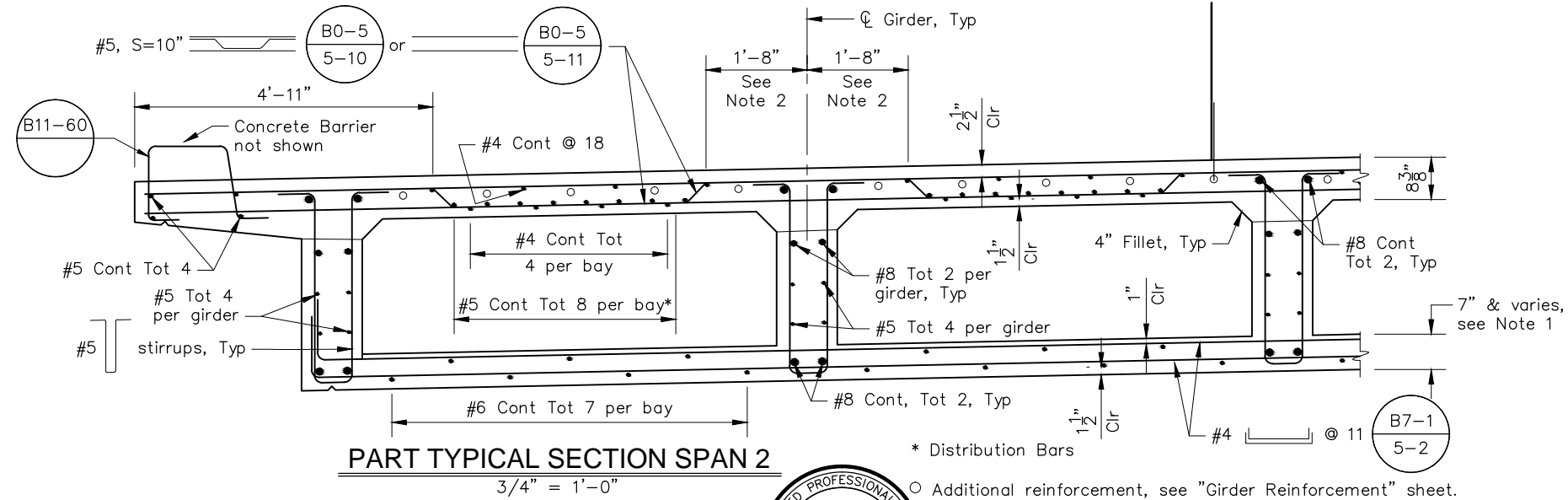
- Notes:
 1. See "Girder Layout" sheet for more information.
 2. Dimension represents distance between centerline of girder and bend in truss bar.



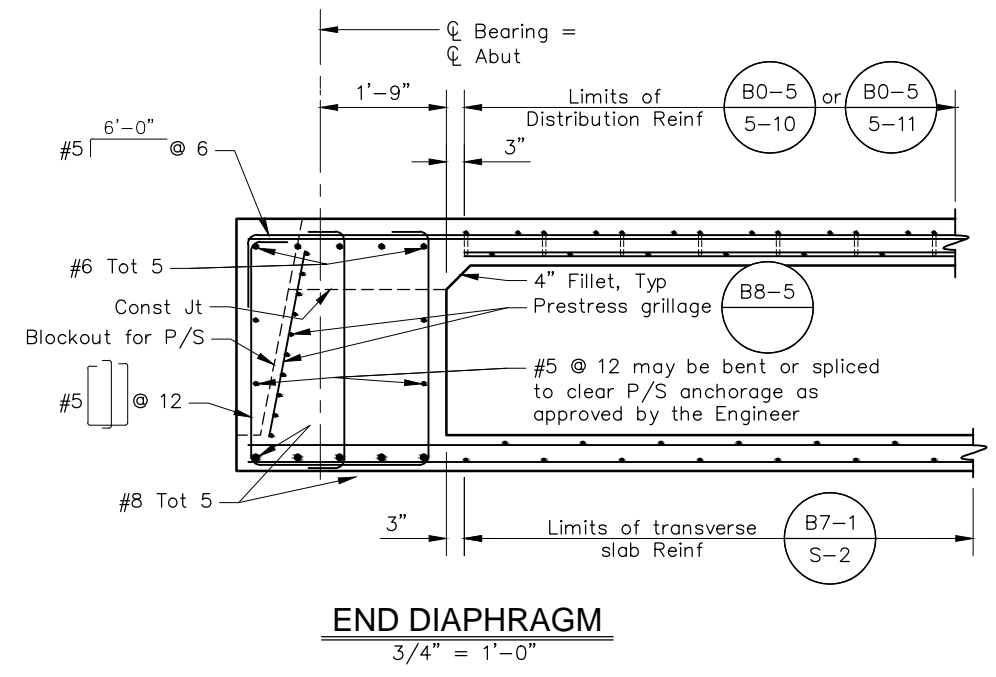
TYPICAL SECTION
 1/4" = 1'-0"



PART TYPICAL SECTION SPAN 1
 3/4" = 1'-0"



PART TYPICAL SECTION SPAN 2
 3/4" = 1'-0"



END DIAPHRAGM
 3/4" = 1'-0"

TYPICAL SECTION TS-1

CONSTRUCTION STARTED:	PROJECT ENGINEER:		COUNTY OF SANTA BARBARA DEPARTMENT OF PUBLIC WORKS TRANSPORTATION DIVISION	DESIGN BY:	CHECKED BY:	SCALE:	PROJECT NO.	GOLETA BEACH PARK ACCESS ROAD BRIDGE REPLACEMENT	SHEET NO.
CONSTRUCTION COMPLETED:	Greg Young			DETAILS BY:	CHECKED BY:	AS SHOWN	862319		36 OF X
RECORD DRAWING APPROVED BY:	C47756			QUANTITIES BY:	CHECKED BY:	DISREGARD PRINTS BEARING EARLIER REVISION DATES			FILE NO.
			FOR REDUCED PLANS ORIGINAL SCALE IN INCHES		0 1 2 3		REVISION DATES (PRELIMINARY STAGE ONLY)		

PRESTRESSING NOTES

270 KSI Low Relaxation Strand:

- P_{jack} = 9700 kips
- Anchor set = $\frac{3}{8}$ in
- Total Number of Girders = 7

Distribution of prestress force (P_{jack}) between girders shall not exceed the ratio of 3:2.
 Maximum final force variation between girders shall not exceed 725 kips.
 Concrete: $f'_c = 4000$ psi @ 28 days

$f'_{ci} = 3500$ psi @ time of stressing

Contractor shall submit elongation calculations based on initial stress at

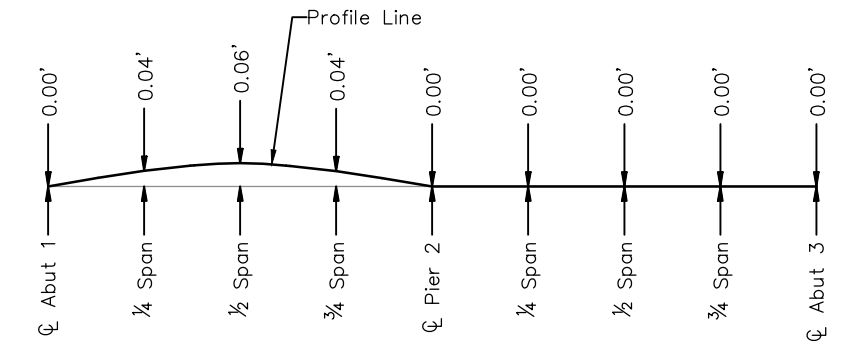
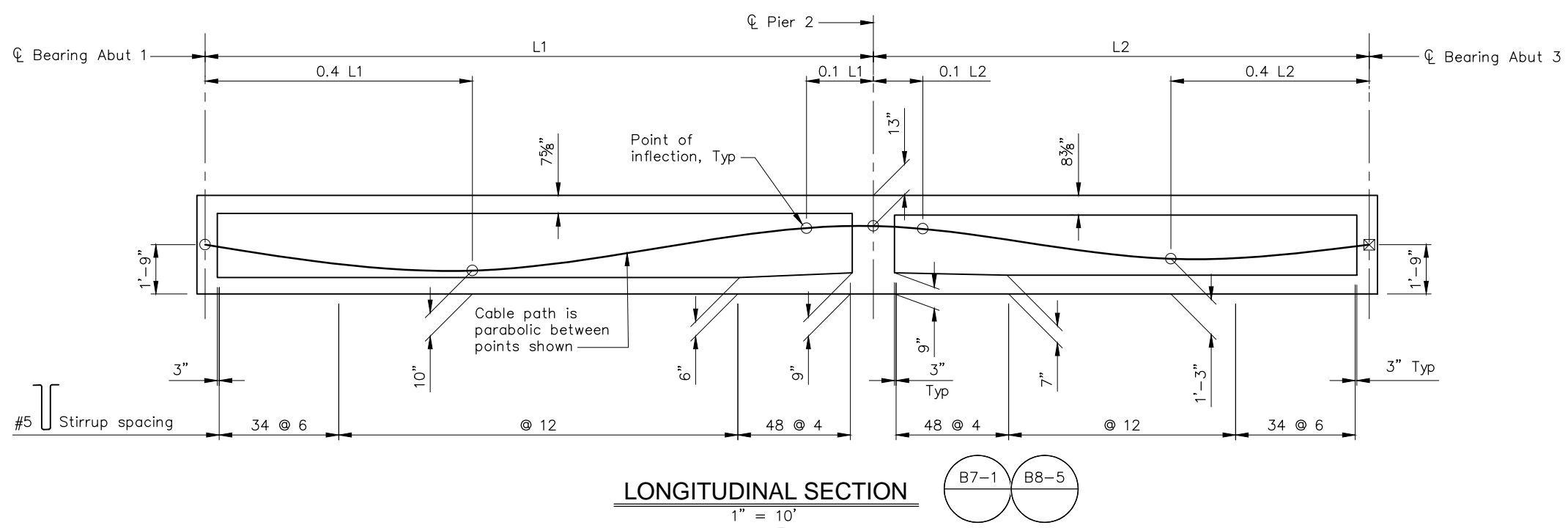
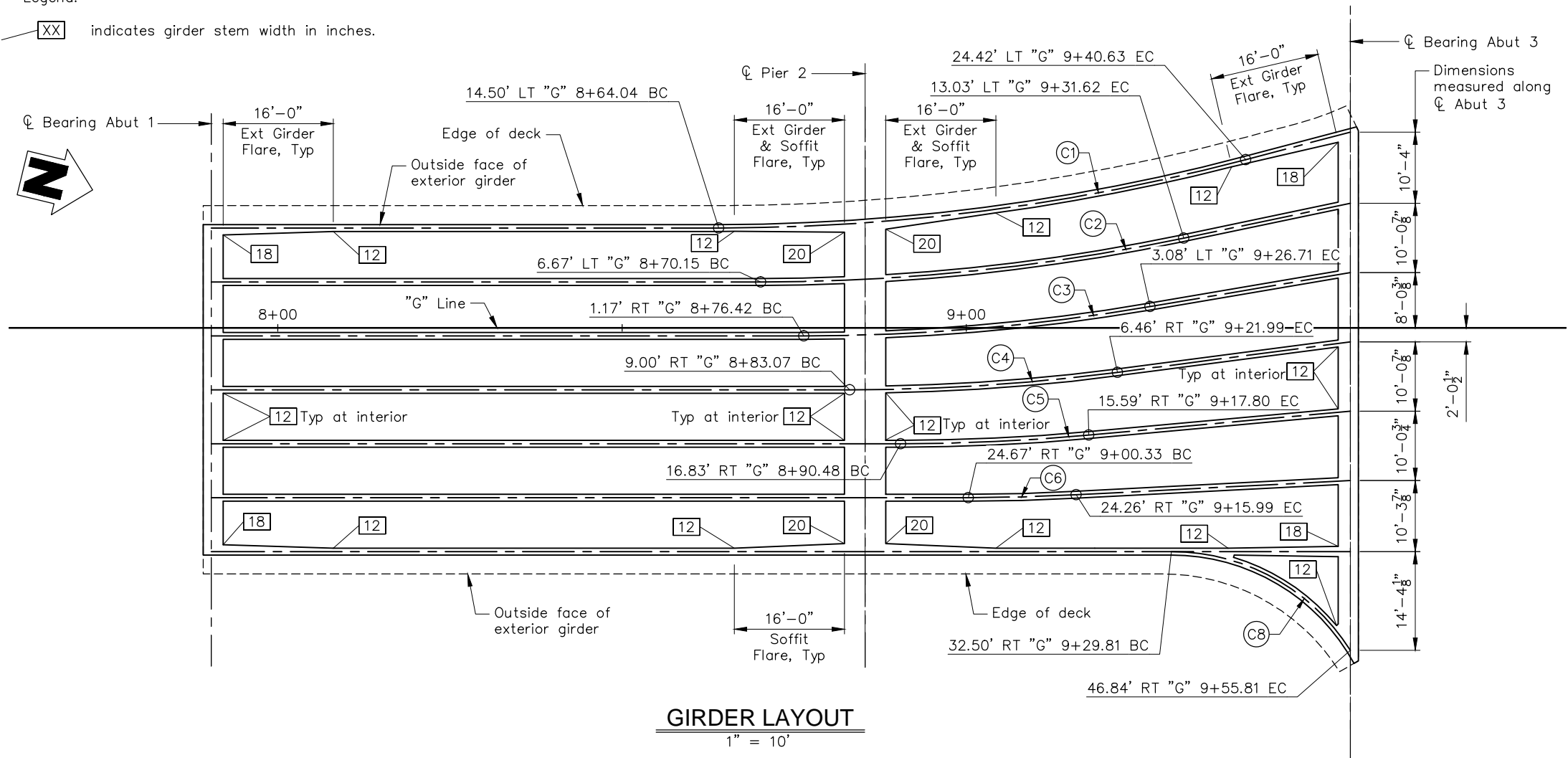
$\alpha = 0.929$ times jacking stress.
 $\mu = 0.15$ $K = 0.0002$

Jacking shall be performed from Abutment 1.

- Notes:
 1. Prestressing cable path runs along girders 1 through 7.

Curve Data				
(No)	R	Δ	T	L
C1	300.50'	14° 45' 55"	38.94'	77.44'
C2	300.00'	11° 49' 26"	31.06'	61.91'
C3	300.00'	9° 39' 03"	25.33'	50.53'
C4	300.00'	7° 27' 16"	19.54'	39.03'
C5	300.00'	5° 13' 33"	13.69'	27.36'
C6	300.00'	2° 59' 29"	7.83'	15.66'
C8	30.75'	57° 44' 59"	16.96'	30.99'

Legend:
 [XX] indicates girder stem width in inches.



Note: Does not include allowance for falsework settlement.

GIRDER LAYOUT
GL-1

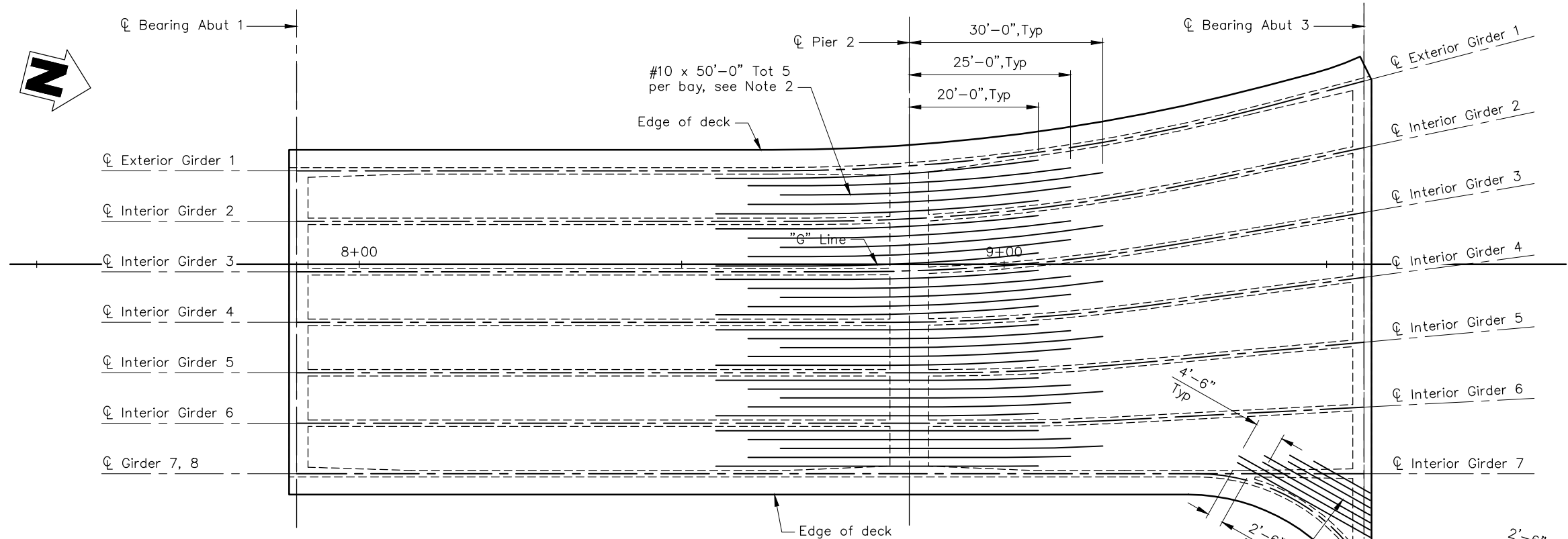
CONSTRUCTION STARTED:		PROJECT ENGINEER:		DESIGN BY:	CHECKED BY:	SCALE:	PROJECT NO.	GOLETA BEACH PARK ACCESS ROAD BRIDGE REPLACEMENT	SHEET NO.
CONSTRUCTION COMPLETED:		Greg Young		R. FERGUSON	-----	1" = 10'	862319		37 OF X
RECORD DRAWING APPROVED BY:		C47756		DETAILS BY:	-----				FILE NO.
				D. POLGLASE	-----				-----
				QUANTITIES BY:	-----				

FOR REDUCED PLANS ORIGINAL SCALE IN INCHES 0 1 2 3

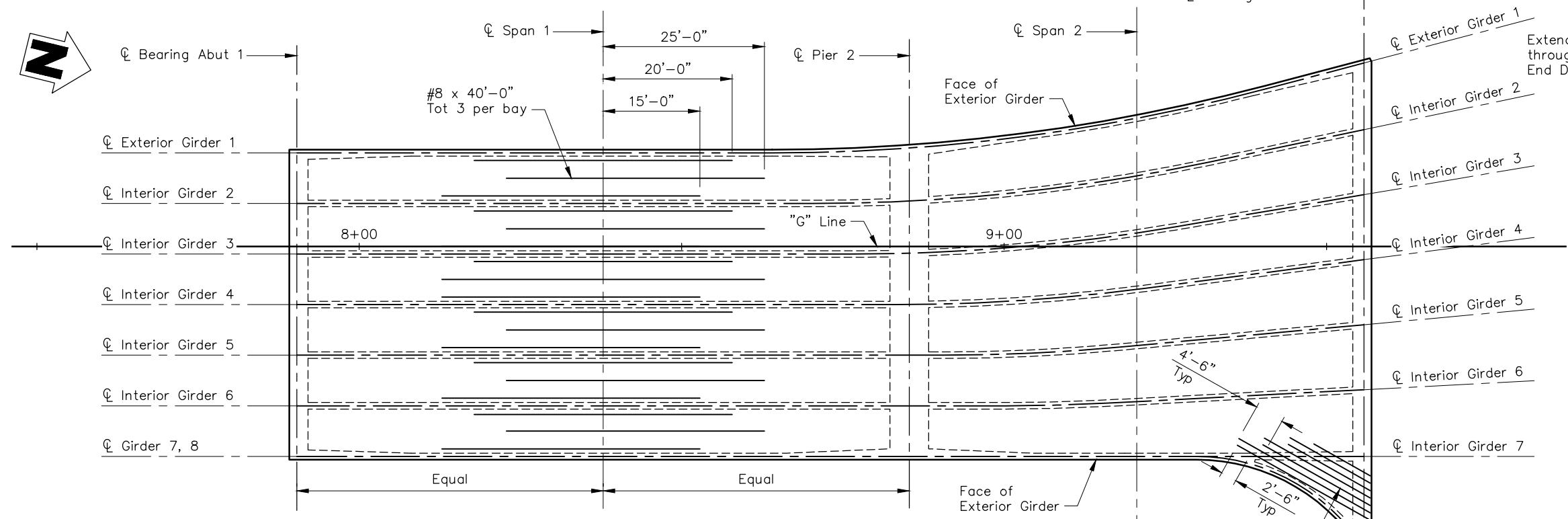
DISREGARD PRINTS BEARING EARLIER REVISION DATES



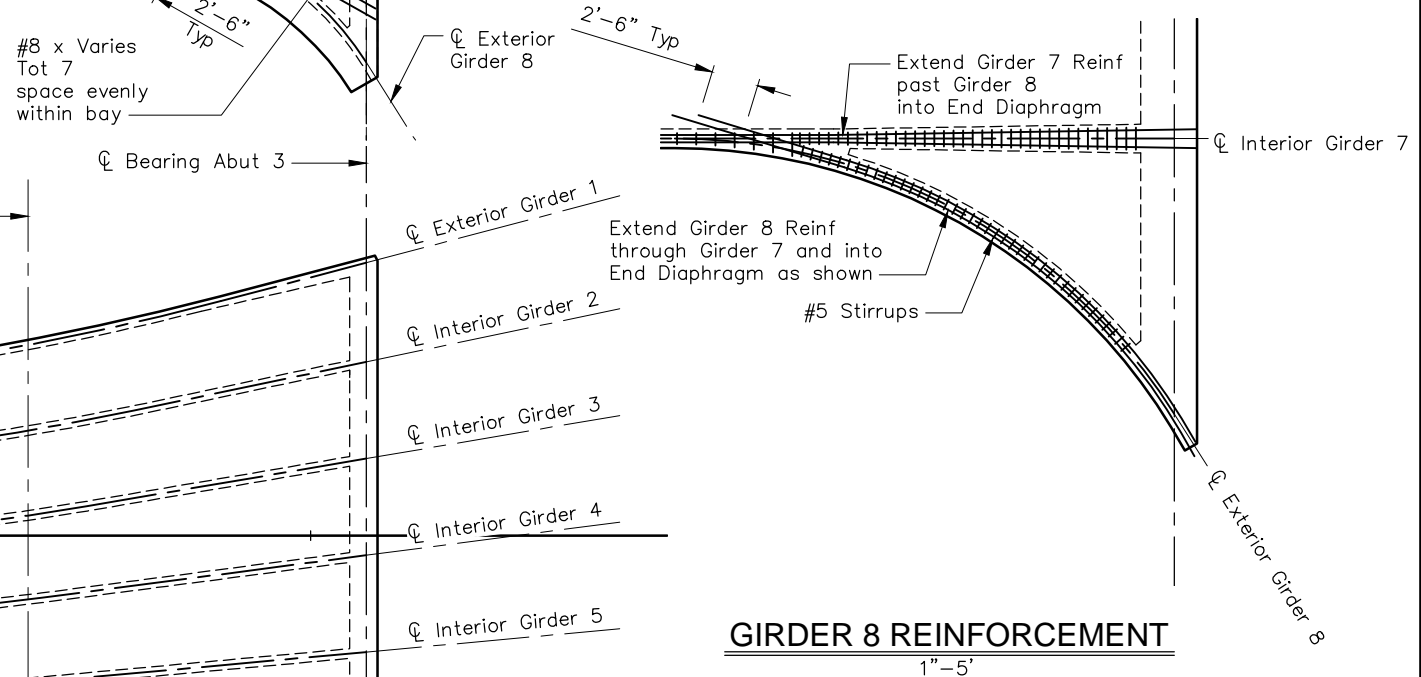
- Notes:
- For additional top and bottom slab reinforcement, see "Typical Section" sheet.
 - Additional Top slab reinforcement may be placed using straight bar segments.



TOP SLAB REINFORCEMENT
1" = 10'



BOTTOM SLAB REINFORCEMENT
1" = 10'

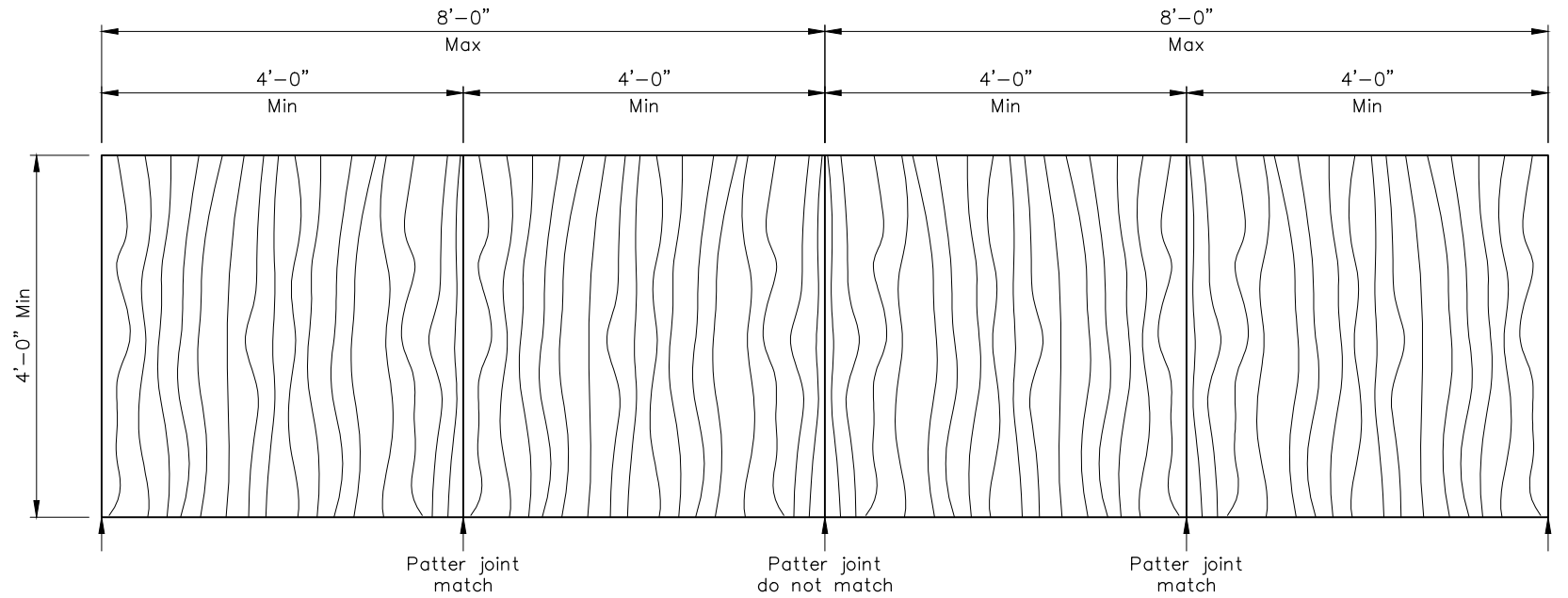
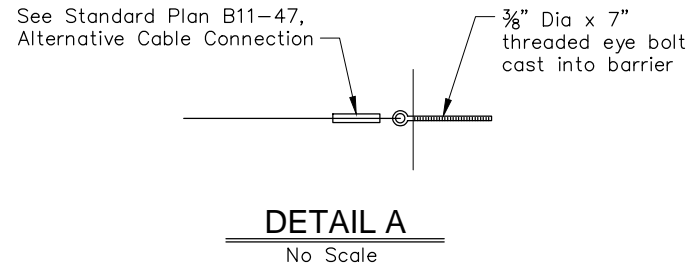
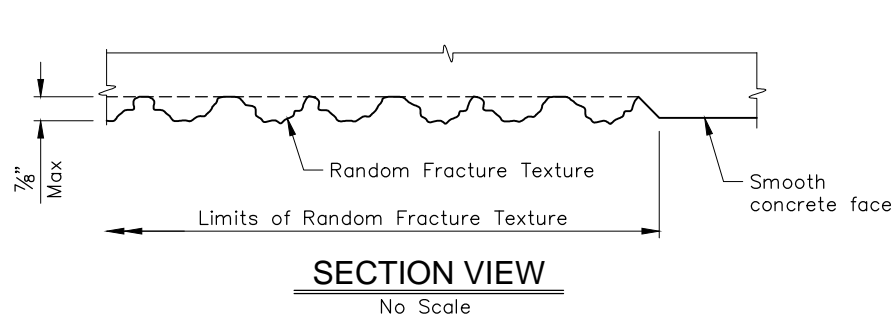


GIRDER 8 REINFORCEMENT
1" = 5'

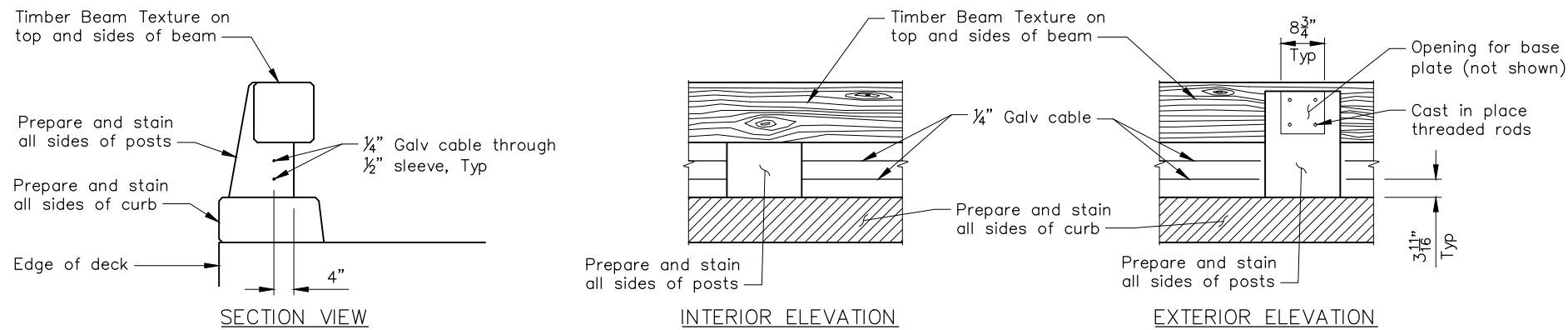
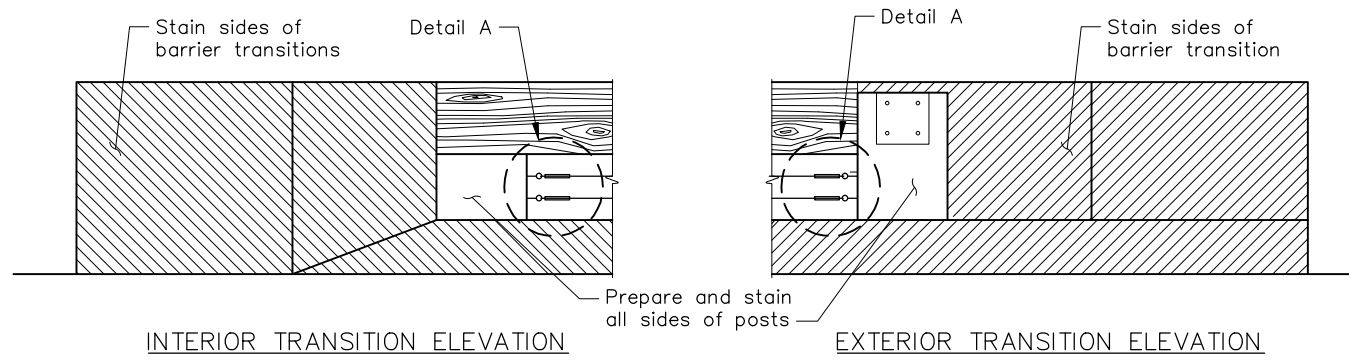
GIRDER REINFORCEMENT
GR-1



CONSTRUCTION STARTED:	PROJECT ENGINEER:		COUNTY OF SANTA BARBARA DEPARTMENT OF PUBLIC WORKS TRANSPORTATION DIVISION	DESIGN BY:	CHECKED BY:	SCALE:	PROJECT NO.	GOLETA BEACH PARK ACCESS ROAD BRIDGE REPLACEMENT	SHEET NO.
CONSTRUCTION COMPLETED:	Greg Young			DETAILS BY:	CHECKED BY:	1" = 10'	862319		38 OF X
RECORD DRAWING APPROVED BY:	C47756			R. FERGUSON	D. POLGLASE	DISREGARD PRINTS BEARING EARLIER REVISION DATES			FILE NO.
			FOR REDUCED PLANS ORIGINAL SCALE IN INCHES		0 1 2 3		REVISION DATES (PRELIMINARY STAGE ONLY)		



Note:
Pattern sections shall match top and bottom and side to side at a minimum of 4'-0" increments. Discontinuous sections may match side to side at 8'-0" increments. All form liner modules shall be placed level with plumb edges.



Prepare and Stain Concrete

CONCRETE BARRIER (TYPE 80) (MOD)
ARCHITECTURAL TREATMENT DETAILS
3/4" = 1'-0"

ARCHITECTURAL DETAILS
ARD-1

CONSTRUCTION STARTED:	PROJECT ENGINEER:		COUNTY OF SANTA BARBARA DEPARTMENT OF PUBLIC WORKS TRANSPORTATION DIVISION	DESIGN BY:	CHECKED BY:	SCALE:	PROJECT NO.	GOLETA BEACH PARK ACCESS ROAD BRIDGE REPLACEMENT	SHEET NO.
CONSTRUCTION COMPLETED:	Greg Young			R. FERGUSON	-----	AS SHOWN	862319		39 OF X
RECORD DRAWING APPROVED BY:	C47756			DATE	DETAILS BY:				
				QUANTITIES BY:	CHECKED BY:	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)	

FOR REDUCED PLANS ORIGINAL SCALE IN INCHES 0 1 2 3

DESIGN DATA

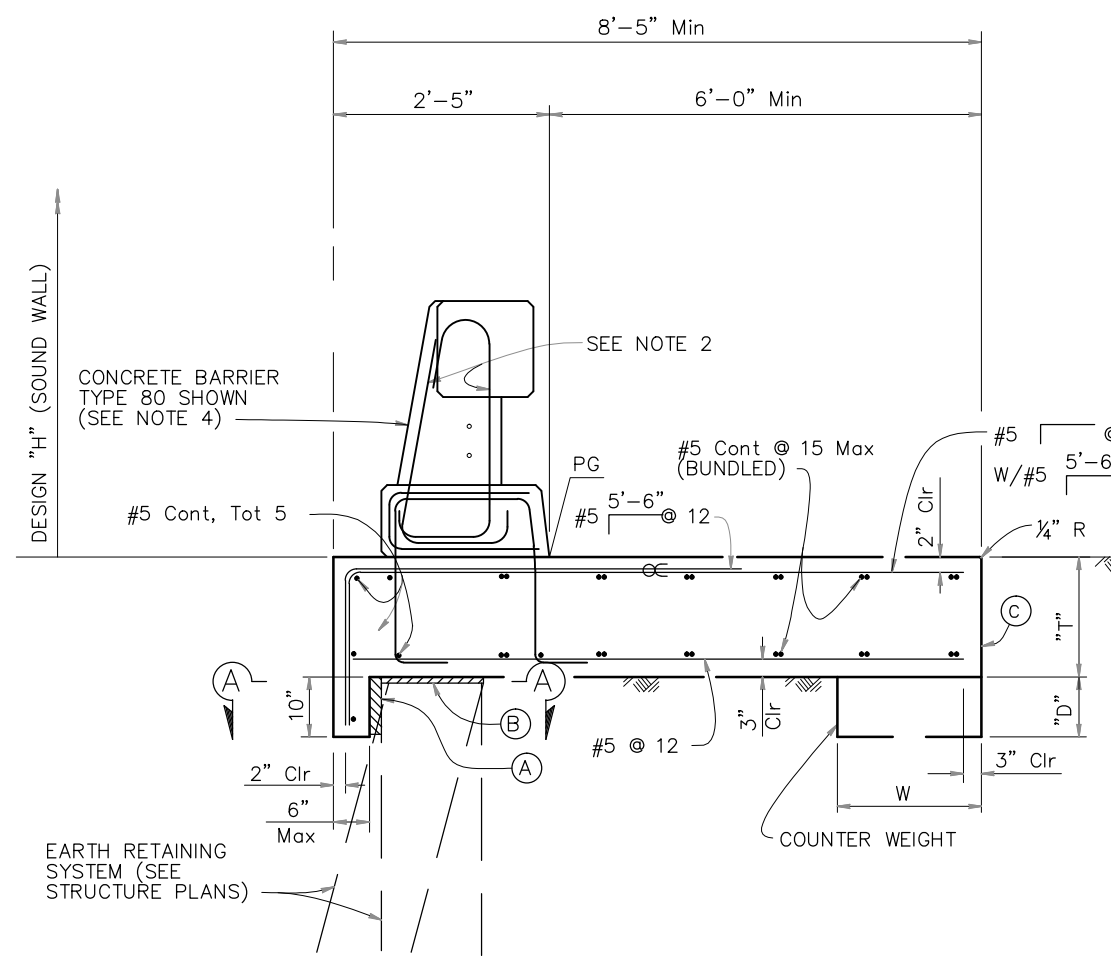
DESIGN: AASHTO LRFD Bridge Design Specifications, 4th Edition with California Amendments.

F_t : 54 kips on barrier

EQE: $k_h = 0.2$
 $k_v = 0.0$

REINFORCED CONCRETE: $f'_c = 3600$ psi
 $f_y = 60$ ksi
 $n = 8$

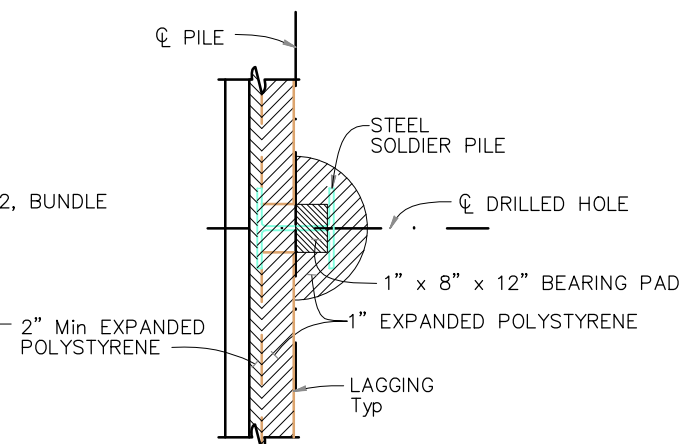
- NOTES:
1. Clearance to reinforcing steel in concrete barrier to be 1".
 2. Not all barrier reinforcement shown.
 3. No expansion joints in concrete barrier or barrier slab within wall limits.
 4. Specific concrete barrier to be used is shown elsewhere in Project Plans.
 5. Sound Wall not permitted on MSE walls unless supported by a CIDH pile foundation. (See "Mechanically Stabilized Embankment Detail No. 5" sheet).
 6. Install cable railing or chain link railing when indicated in Project Plans. Refer to Standard Plans B11-7 and B11-47 for anchorage details to top of concrete barrier.
 7. Minimum slab length: 40 ft



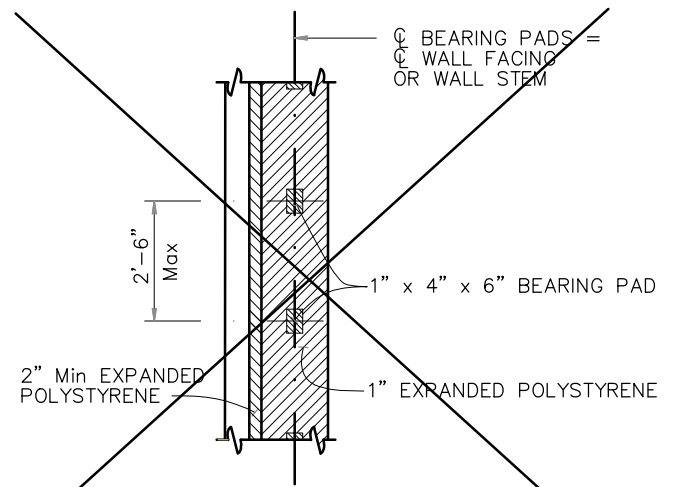
CONCRETE BARRIER SLAB
 $\frac{3}{4}'' = 1'-0''$

BARRIER SLAB DIMENSIONS

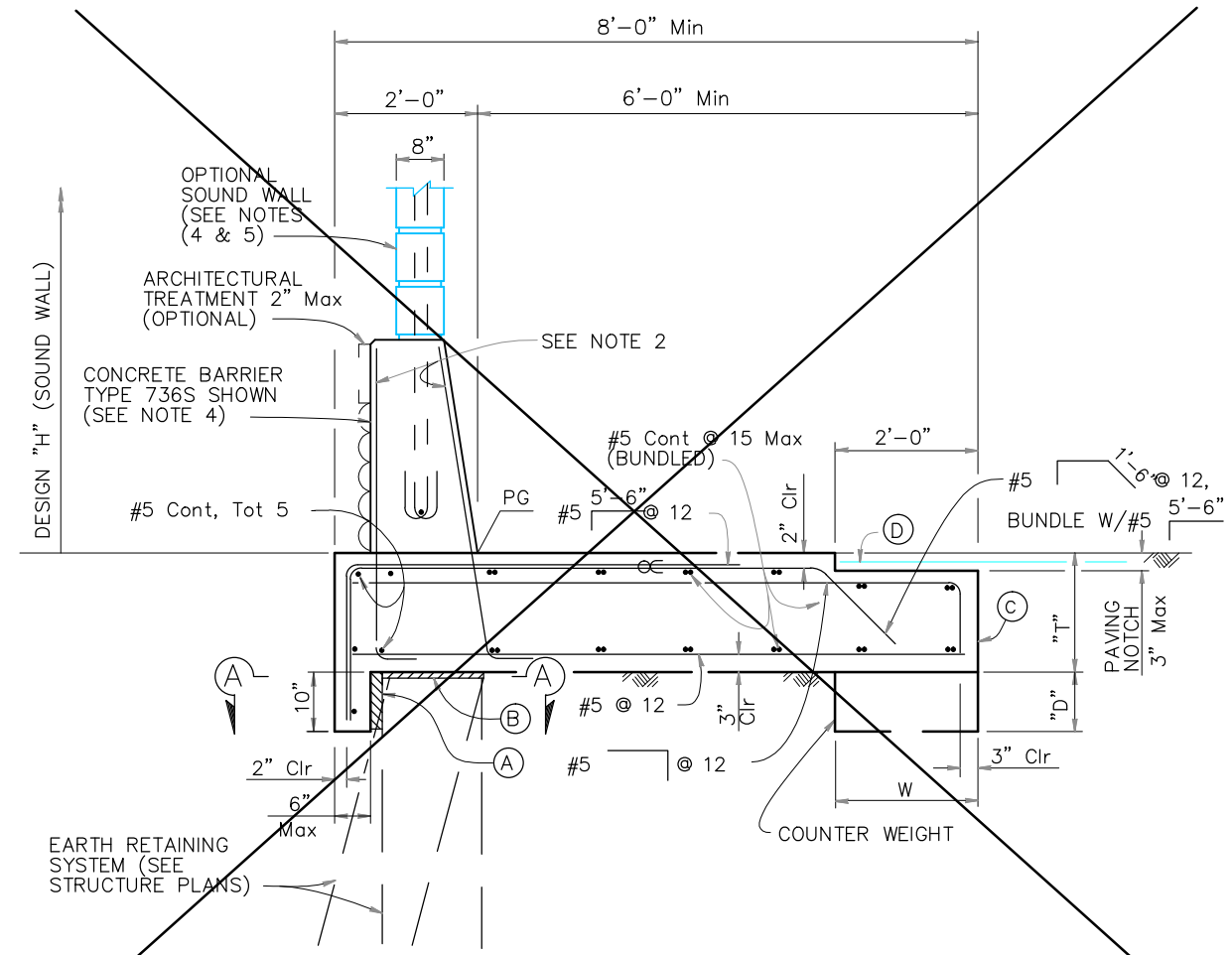
DESIGN "H" OF SOUND WALL	NO SW	12'-4"	14'-4"	16'-4"
BARRIER TYPE	732 736 742	736 S	736 S	736 S
T	1'-8"	1'-8"	2'-0"	2'-0"
W	N/A	N/A	N/A	2'-0"
D	N/A	N/A	N/A	0'-9"



SECTION A-A
 $\frac{1}{2}'' = 1'-0''$
(For Soldier Pile Wall only)



SECTION A-A
 $\frac{1}{2}'' = 1'-0''$
(For all other Earth Retaining Systems)



CONCRETE BARRIER SLAB WITH PAVING NOTCH
 $\frac{3}{4}'' = 1'-0''$

- NOTES:
- (A) 2" Min Expanded polystyrene
 - (B) 1" Expanded Polystyrene on MSE and concrete stem walls, See "SECTION A-A" for Soldier Pile Walls
 - (C) Contact joint
 - (D) 4'-0" wide pavement reinforcing fabric
 - ⊘ Indicates bundled bars

STANDARD DRAWING

FILE NO. **xs12-090**

APPROVAL DATE January 2012

DS OSD 2147A (ENGLISH STANDARD DRAWING "XS" BORDER REV. (02-02-11))

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

0 1 2 3

DIVISION OF ENGINEERING SERVICES

BRIDGE NO. X
POST MILE X

UNIT: X
PROJECT NUMBER & PHASE: X

GOLETA BEACH PARK ACCESS ROAD
CONCRETE BARRIER SLAB DETAILS

CONTRACT NO.: X

REVISION DATES	SHEET	OF
	40	X

DATE PLOTTED => \$TIME USERNAME => \$USER

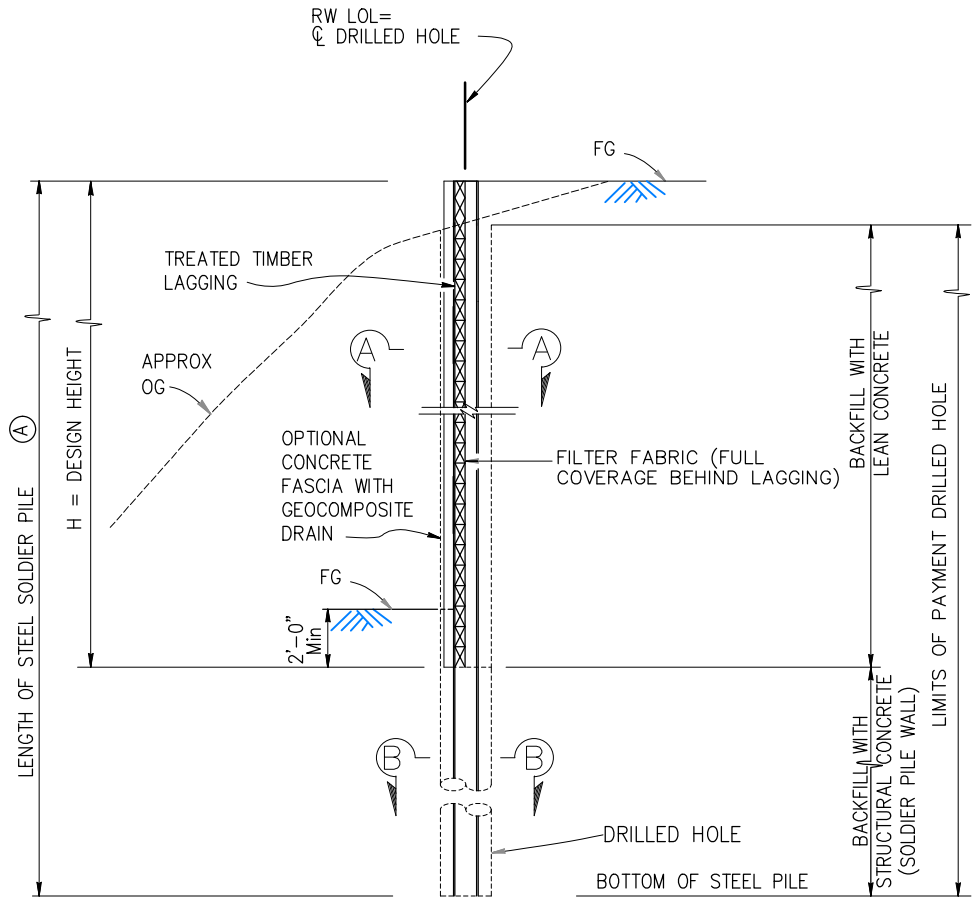
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	CR		41	X

REGISTERED CIVIL ENGINEER DATE _____

65% SUBMITTAL

PLANS APPROVAL DATE _____

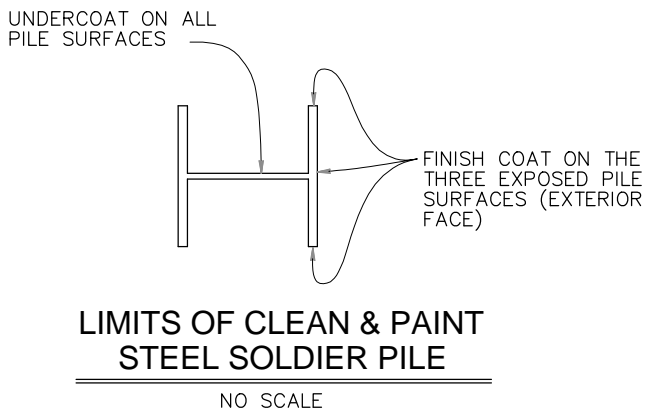
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



NOTE:

(A) Clean and paint Steel Soldier Pile from top of pile to 5 feet, Min below bottom of lagging.

For lagging details see "SOLDIER PILE WALL LAGGING DETAILS"

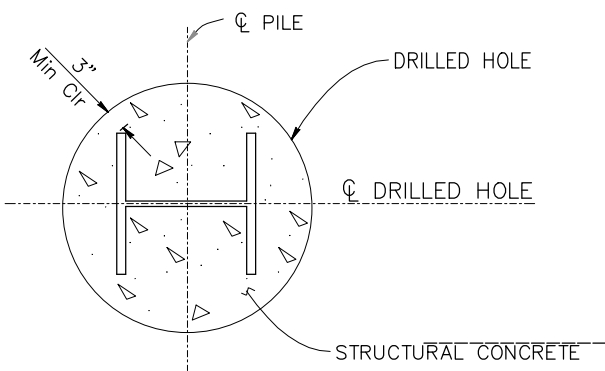


GENERAL NOTES

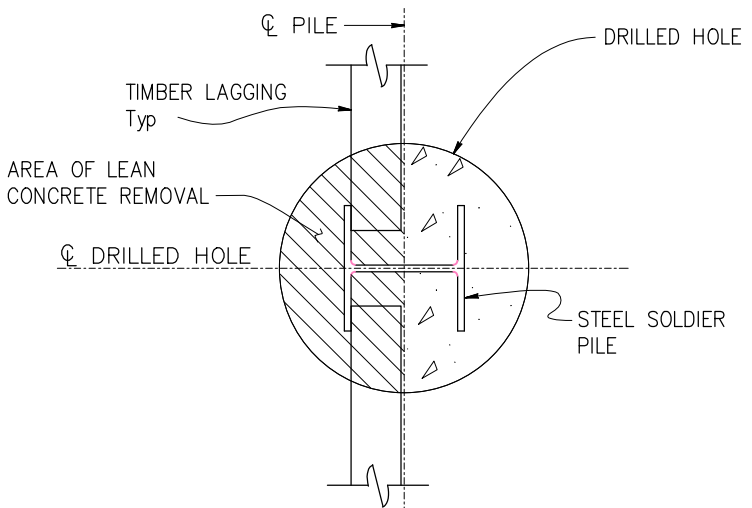
- DESIGN: AASHTO LRFD Bridge Design Specifications, 4th Edition with California Amendments.
- LIVE LOAD: 240 psf equivalent to 2 feet soil weight
- SOIL PARAMETERS: (For determination of Design Lateral Earth Pressures)
 Backfill soil weight = 125 lb/ft³
 Friction Angle = 31°
 Active Pressure coefficient, Ka = 0.32
- STEEL SOLDIER PILES: ASTM A572/A, ASTM 572M Grade 50 Min
- REINFORCED CONCRETE: f'c = 4000 psi
 fy = 60 ksi
- STRUCTURAL TIMBER: Treated Douglas Fir, Grade No. 1 or better
 Timber to be full sawn

FOR DETAILS NOT SHOWN, SEE "PROJECT PLANS"

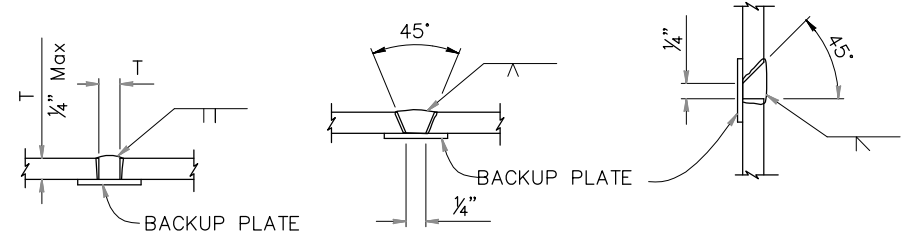
TYPICAL SECTION
NO SCALE



SECTION B-B
NO SCALE



SECTION A-A
NO SCALE



PILE WELDING DETAIL-BUTT JOINTS
NO SCALE

- NOTES:
1. Single vee-groove and square groove permitted for all positions
 2. Single bevel-groove permitted for horizontal joints only

STANDARD DRAWING
FILE NO. xs12-050
APPROVAL DATE <u>January 2012</u>

DS OSD 2147A (ENGLISH STANDARD DRAWING "XS" BORDER REV. (02-02-11))

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

BRIDGE NO. X
POST MILE X

UNIT: X
PROJECT NUMBER & PHASE: X

GOLETA BEACH PARK ACCESS ROAD
CANTILEVER SOLDIER PILE WALL DETAILS

CONTRACT NO.: X

REVISION DATES	SHEET 41	OF X
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ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

FILE => \$REQUEST

TIME PLOTTED => \$DATE DATE PLOTTED => \$DATE USERNAME => \$USER

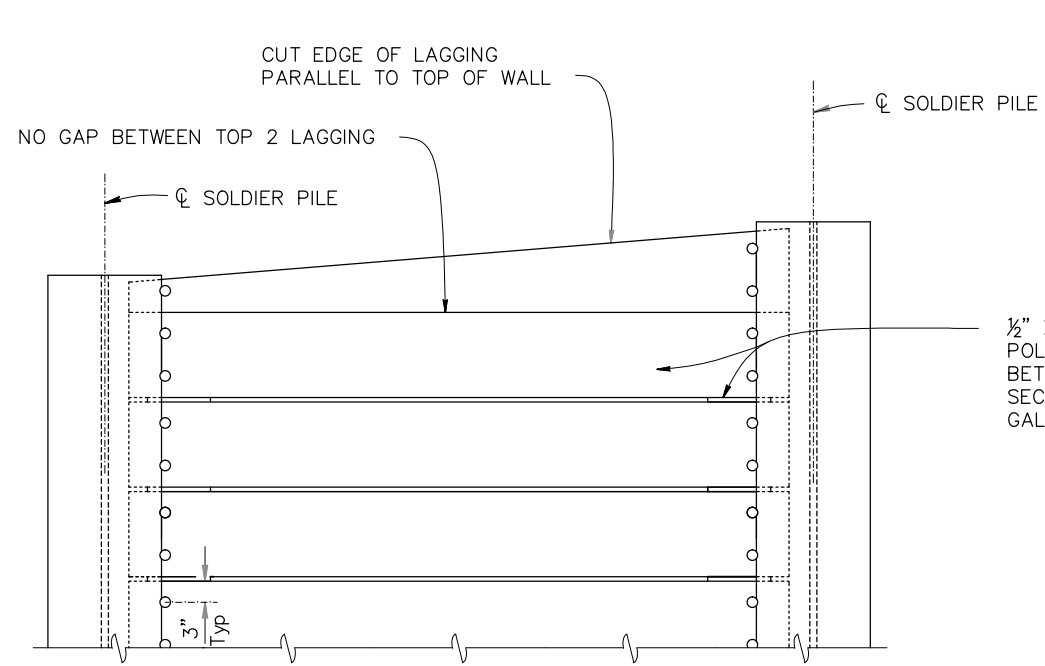
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	CR		42	X

REGISTERED CIVIL ENGINEER DATE _____

65% SUBMITTAL

PLANS APPROVAL DATE _____

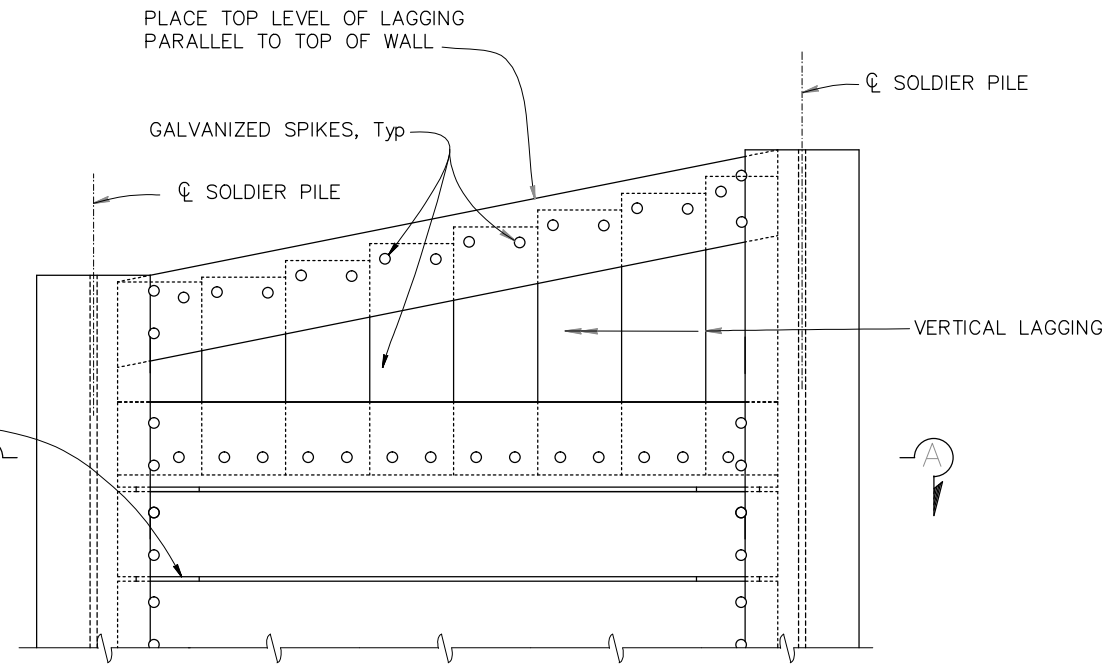
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PART ELEVATION

LAGGING DETAILS (ALTERNATIVE 1)

NO SCALE

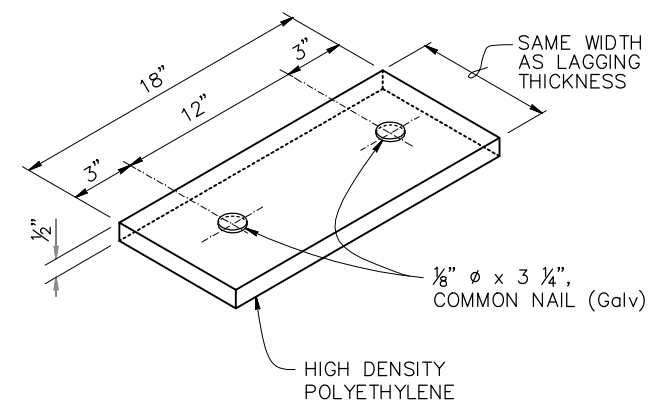


PART ELEVATION

LAGGING DETAILS (ALTERNATIVE 2)

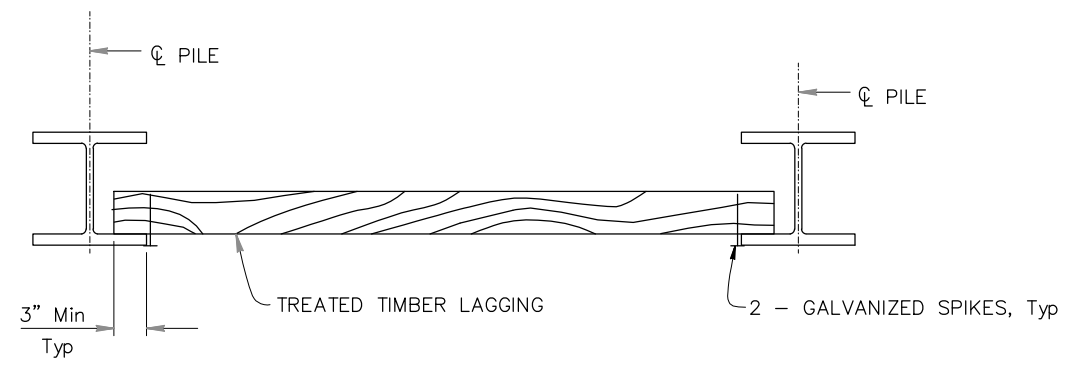
NO SCALE

1/2" X 18" HIGH DENSITY POLYETHYLENE SHIM, Tot 2, BETWEEN LAGGING MEMBERS. SECURE WITH 2 GALV NAILS, Typ



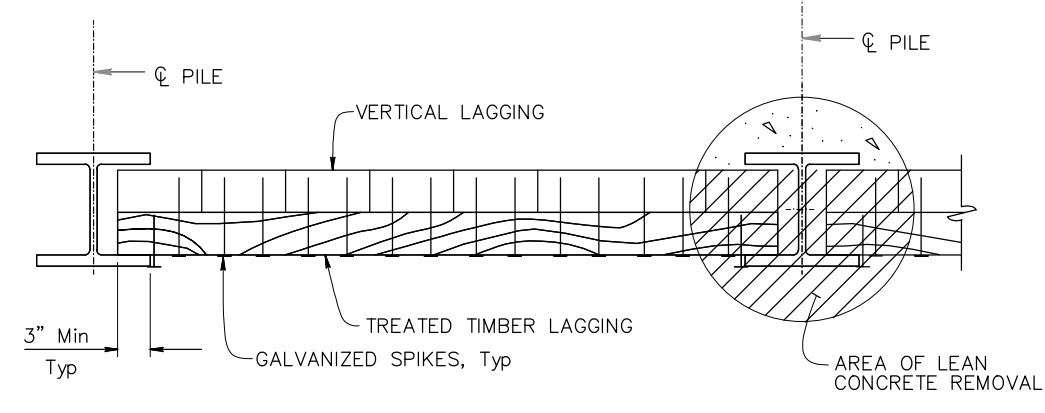
SHIM DETAIL

NO SCALE



PART PLAN

NO SCALE



SECTION A-A

NO SCALE

- NOTES:
1. No clipping of timber lagging corners allowed
 2. Use 16d Galv wire spikes for 4 x 12 lagging, and 40d Galv wire spikes for 6 x 12 lagging
 3. Spikes shall not be bent

STANDARD DRAWING	
FILE NO. xs12-080	APPROVAL DATE <u>January 2012</u>

DS OSD 2147A (ENGLISH STANDARD DRAWING "XS" BORDER REV. (02-02-11))

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

DIVISION OF ENGINEERING SERVICES

BRIDGE NO.	X
POST MILE	X

UNIT: X PROJECT NUMBER & PHASE: X

GOLETA BEACH PARK ACCESS ROAD
SOLDIER PILE WALL LAGGING DETAILS

CONTRACT NO.: X	REVISION DATES	SHEET 42	OF X
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TIME PLOTTED => \$DATE USERNAME => \$USER

CONSISTENCY CLASSIFICATION FOR SOILS

According to the Standard Penetration Test

SPT N-Value (Blows/ft)	Granular	Cohesive
0-5	Very loose	Very soft
6-10	Loose	Soft
11-20	Compact	Med. Stiff
21-30	Dense	Stiff
31-50	Very dense	Very Stiff
>50		Hard

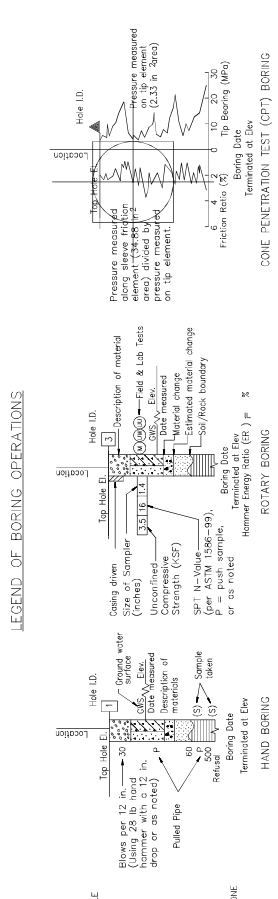
NOTE: Classification of earth material as shown on this sheet is based upon field inspection and is not to be construed to imply mechanical analysis.

LEGEND OF EARTH MATERIALS

SM	Silty Sand	GW	Well-graded gravel with sand
SP	Poorly-graded sand with gravel	GP	Poorly-graded gravel with sand
SW-SM	Well-graded sand with silt	GM	Silty gravel with sand
SW-SC	Well-graded sand with clay and gravel	GM-ML	Silty clay (includes modifiers)
SC	Clayey sand with gravel	CL	Lean clay (includes modifiers)
SC-SM	Silty clayey sand with gravel	CH	Fat clay (includes modifiers)
SW	Well-graded sand with gravel	COBBLE	cobble and/or boulders
GW-GC	Well-graded gravel with clay and sand	SEDIMENTARY ROCK	sedimentary rock
		ARTIFICIAL FILL	artificial fill

LEGEND OF BORING OPERATIONS

2"	Core	2 1/2"	Rotary Boring
1 1/2"	Rotary Boring	Hand Boring	Hand Boring
1"	Rotary Boring	Jet Boring	Jet Boring
3/4"	Rotary Boring	Electronic Cone Penetrometer	Electronic Cone Penetrometer

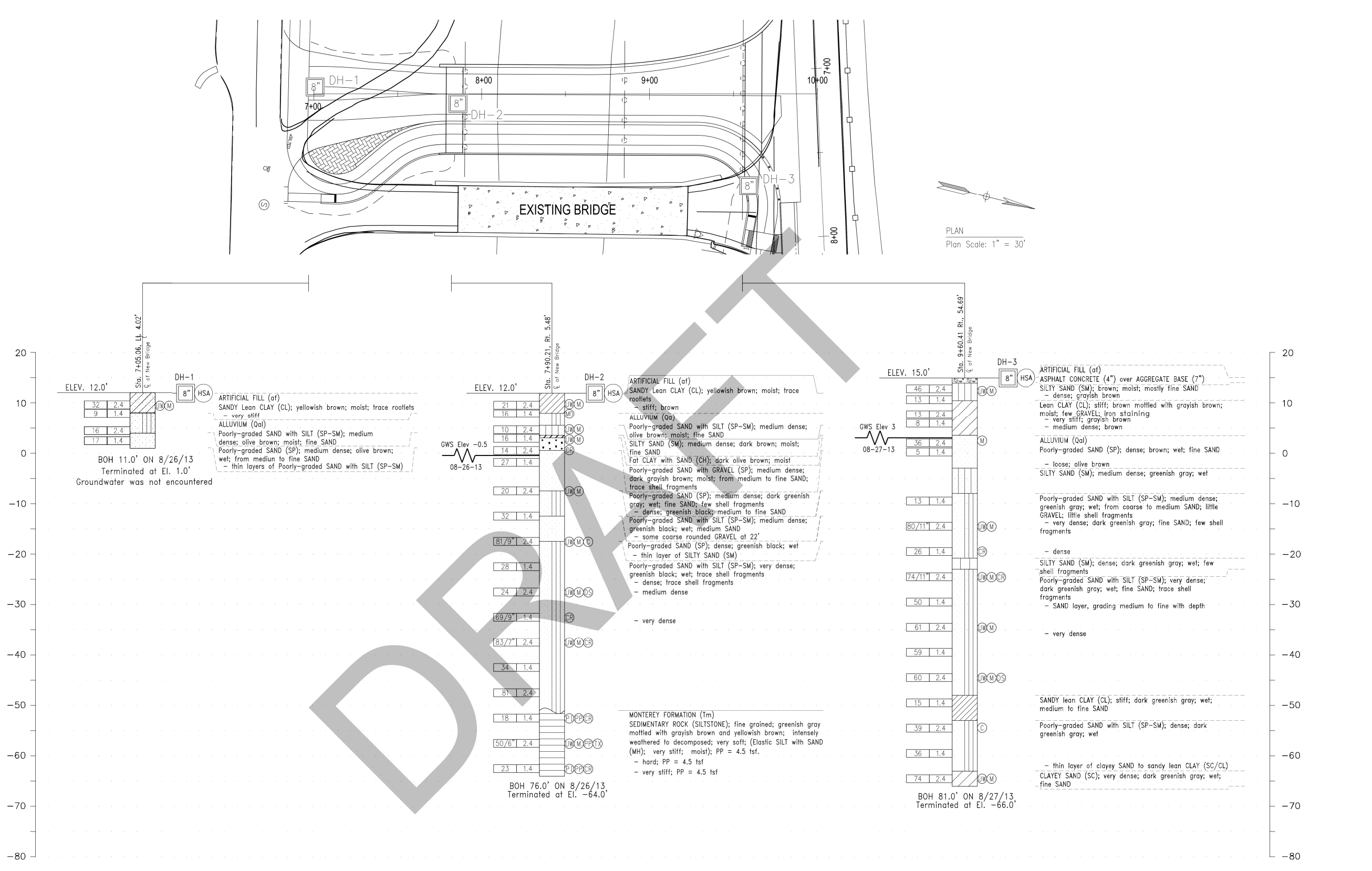


Penetration index marked in the report #17 indicates the number of recorded hammer blows for the given depth (mm) during setting of sampler. Reading in Imperial units.

Penetration index marked in the report #18 indicates the number of recorded hammer blows for the given depth (mm) during setting of sampler. Reading in Imperial units.

Penetration index marked in the report #19 indicates the number of recorded hammer blows for the given depth (mm) during setting of sampler. Reading in Imperial units.

Penetration index marked in the report #20 indicates the number of recorded hammer blows for the given depth (mm) during setting of sampler. Reading in Imperial units.



PROFILE
Profile Scale: 1" = 10'

LOG OF TEST BORINGS LOTB-1

PROJECT ENGINEER	FIELD INVESTIGATOR	CERTIFIED ENGINEERING GEOLOGIST:	COUNTY OF SANTA BARBARA DEPARTMENT OF PUBLIC WORKS TRANSPORTATION DIVISION	DRAWN BY: B. Egan	CHECKED BY:	SCALE: NO SCALE	PROJECT NO.	GOLETA BEACH PARK BRIDGE OVER GOLETA SLOUGH BRIDGE NO. 51C-0158	SHEET NO. XX OF XX FILE NO.
DATE	DATE	DATE	DATE						

FOR REDUCED PLANS ORIGINAL SCALE IN INCHES



DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)