

APPROVED AS TO IMPACT ON STATE FACILITIES AND CONFORMANCE WITH APPLICABLE STATE STANDARDS AND PRACTICES AND THAT TECHNICAL OVERSIGHT WAS PERFORMED

DATE SIGNED

LICENSE Exp DATE

REGISTRATION NO.

CALTRANS DESIGN OVERSITE APPROVAL

DAVID RASMUSSEN

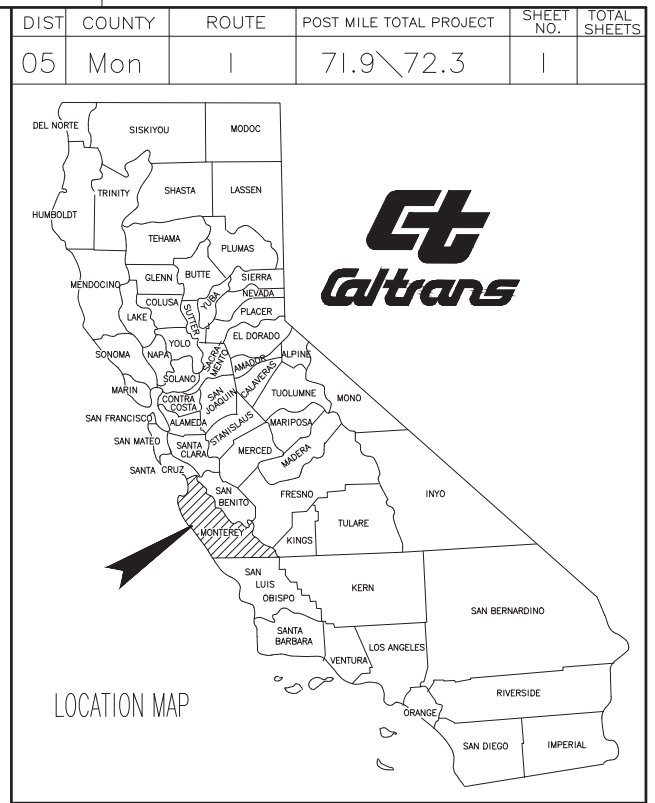
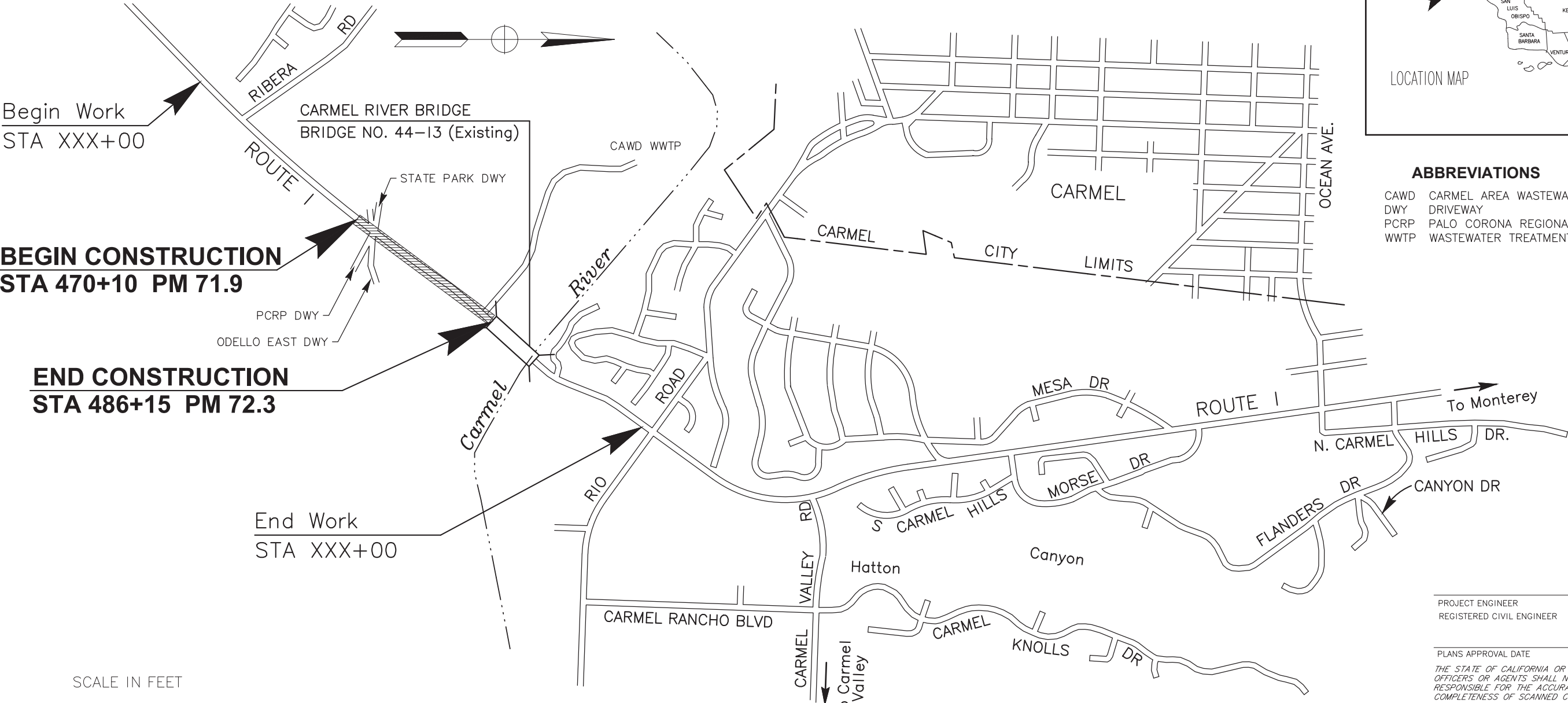
CONSULTANT DESIGN MANAGER

RICHARD P. WEBER

Sheet No.	INDEX OF PLANS
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2-4	X Typical Cross Sections
5-6	L Layouts
7-8	P Profiles and Superelevation Diagrams
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x-x	DE Detour Typical Sections, Plan, and Profile
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x-x	S Seeding Plan
x	GP Carmel River Overflow Bridge General Plan - Alternative 1
x	GP Carmel River Overflow Bridge General Plan - Alternative 2

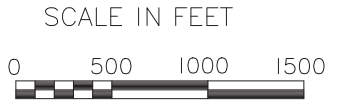
**STATE OF CALIFORNIA**  
**DEPARTMENT OF TRANSPORTATION**  
**PROJECT PLANS FOR CONSTRUCTION ON**  
**STATE HIGHWAY**  
**IN MONTEREY COUNTY**  
**NEAR CARMEL**  
**FROM 0.4 MILE SOUTH OF CARMEL RIVER BRIDGE**  
**TO CARMEL RIVER BRIDGE**

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2010



**ABBREVIATIONS**

CAWD	CARMEL AREA WASTEWATER DISTRICT
DWY	DRIVEWAY
PCR P	PALO CORONA REGIONAL PARK
WWTP	WASTEWATER TREATMENT PLANT



PROJECT ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_  
 REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE \_\_\_\_\_

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET

MONTEREY COUNTY PUBLIC WORKS DEPARTMENT  
 168 W. ALISAL ST., 2ND FLOOR  
 SALINAS, CALIFORNIA 93901

WHITSON ENGINEERS  
 9699 BLUE LARKSPUR LANE, SUITE 105  
 MONTEREY, CALIFORNIA 93940

CONTRACT No. \_\_\_\_\_

PROJECT ID \_\_\_\_\_

**DRAFT 35% DESIGN**  
**NOT FOR CONSTRUCTION**  
**PLANS SUBJECT TO CHANGE**

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

DATE PLOTTED => 01-May-2015  
 TIME PLOTTED => 16:41

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT FUNCTIONAL SUPERVISOR: RICHARD P. WEBER, PE, LS  
 N. MILAM  
 REVISIONS: REVISOR, DATE, REVISIONS, DATE

- NOTES:**
- DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
  - SUPERELEVATIONS ARE SHOWN ON THE SUPERELEVATION DIAGRAMS.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
5	MON	1	71.9/72.3	.	x

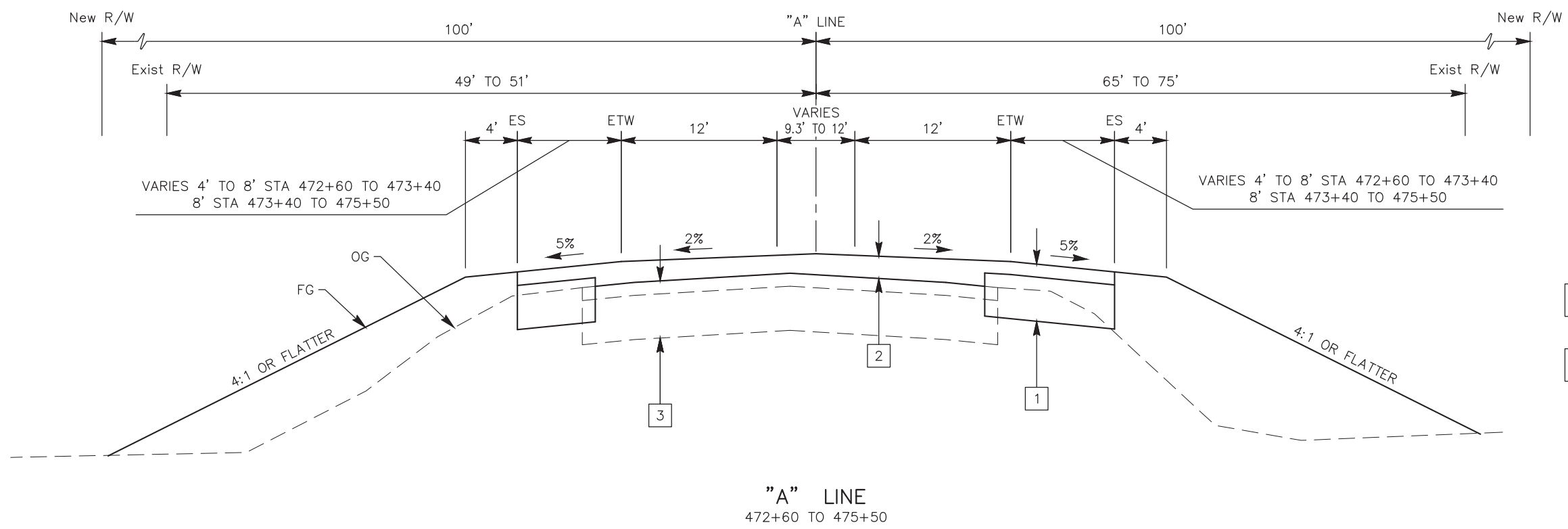
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PLANS APPROVAL DATE \_\_\_\_\_

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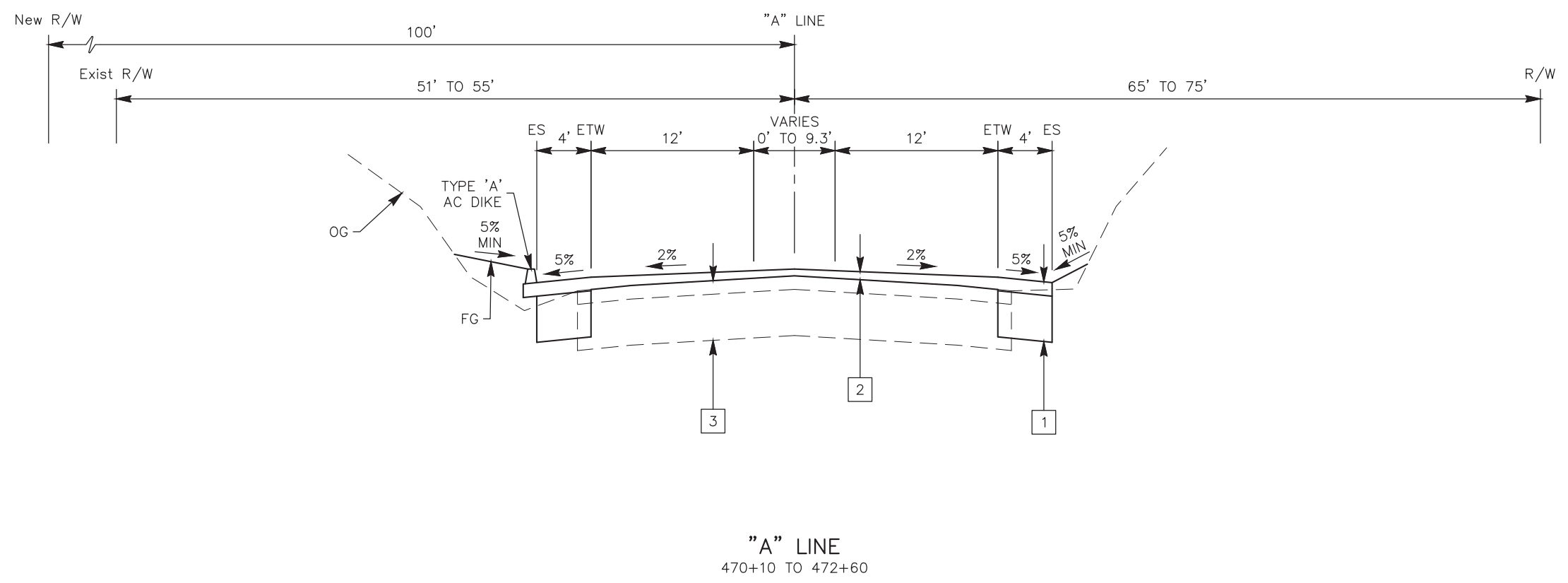
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**PAVEMENT STRUCTURAL SECTIONS**

- 1 - 0.5' HMA  
1.7' CL 2 AB
- 2 - HMA OVERLAY  
0.15' MIN
- 3 - Exist  
0.5' AC  
1.7' AB



**DESIGN DESIGNATION**

ADT (2012) = 12,100      D = 60%  
 ADT (2032) = 12,400      T = 2%  
 DHV = 1300                  V = 55 mph  
 ESAL = 1,700,000          T<sub>20</sub> = 10.0

**PAVEMENT CLIMATE REGION**  
CENTRAL COAST

**DRAFT 35% DESIGN**  
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**TYPICAL CROSS SECTIONS**

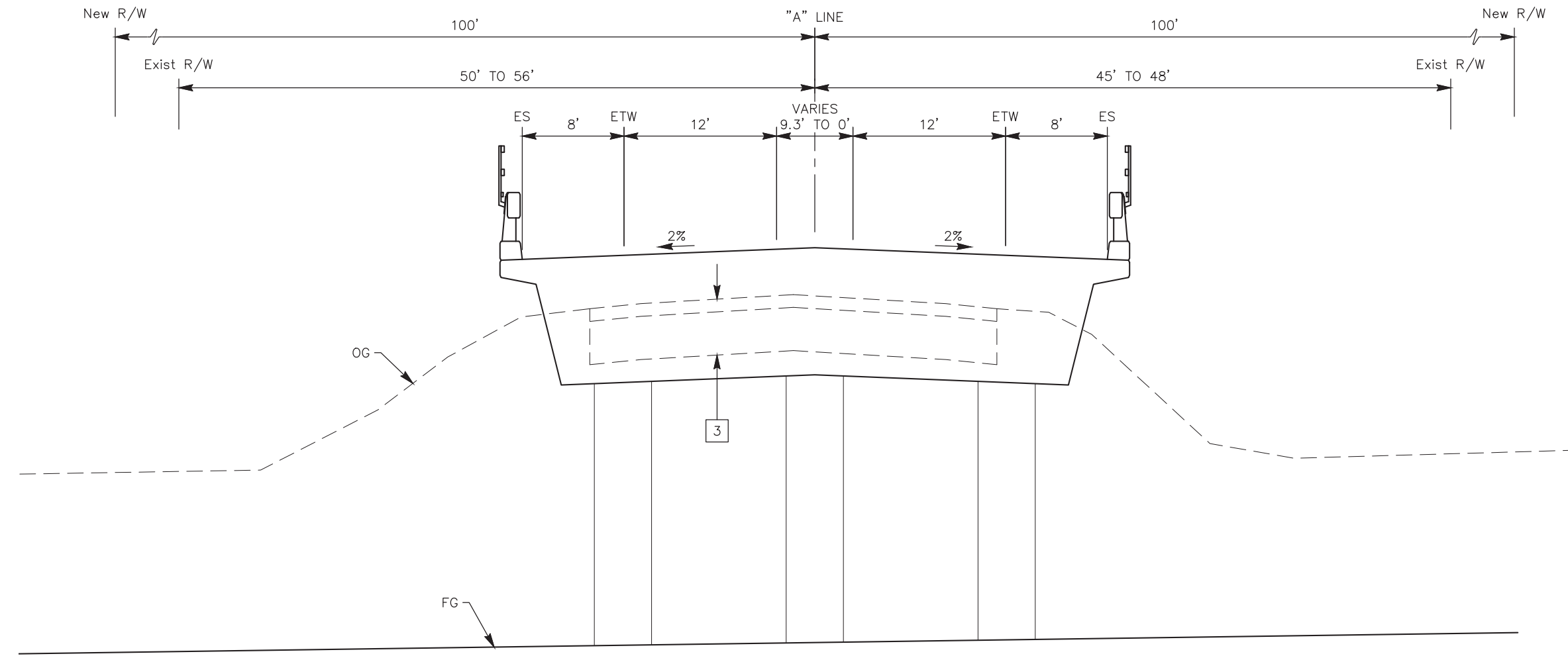
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 LAST REVISION: 5/1/2015

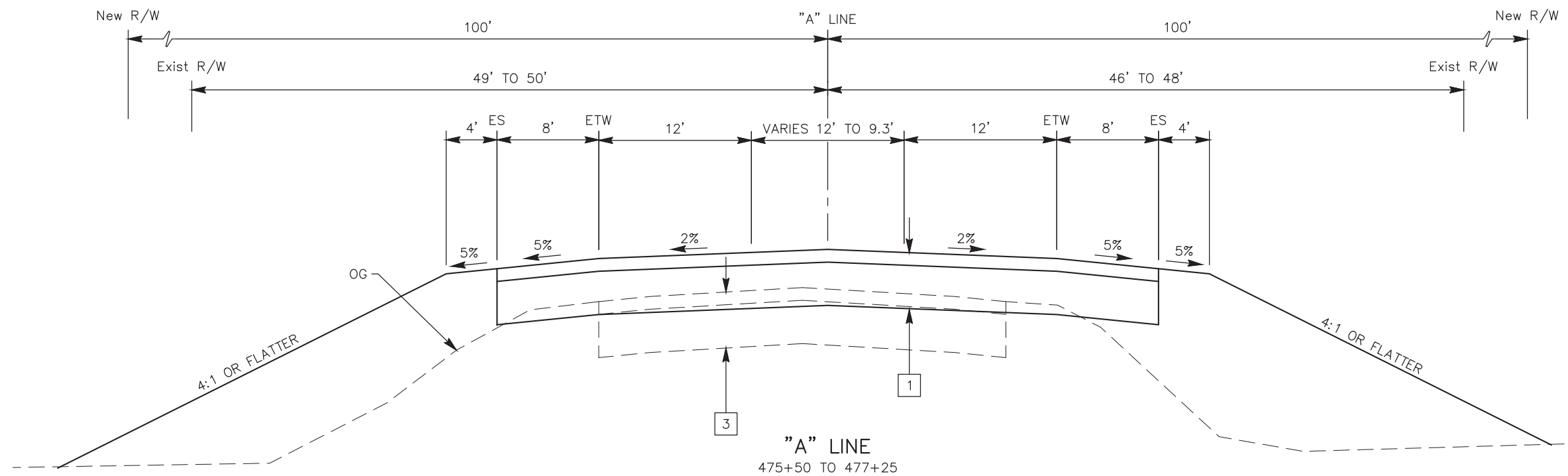
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"A" LINE  
 477+25 TO 481+15



"A" LINE  
 475+50 TO 477+25

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**TYPICAL CROSS SECTIONS**

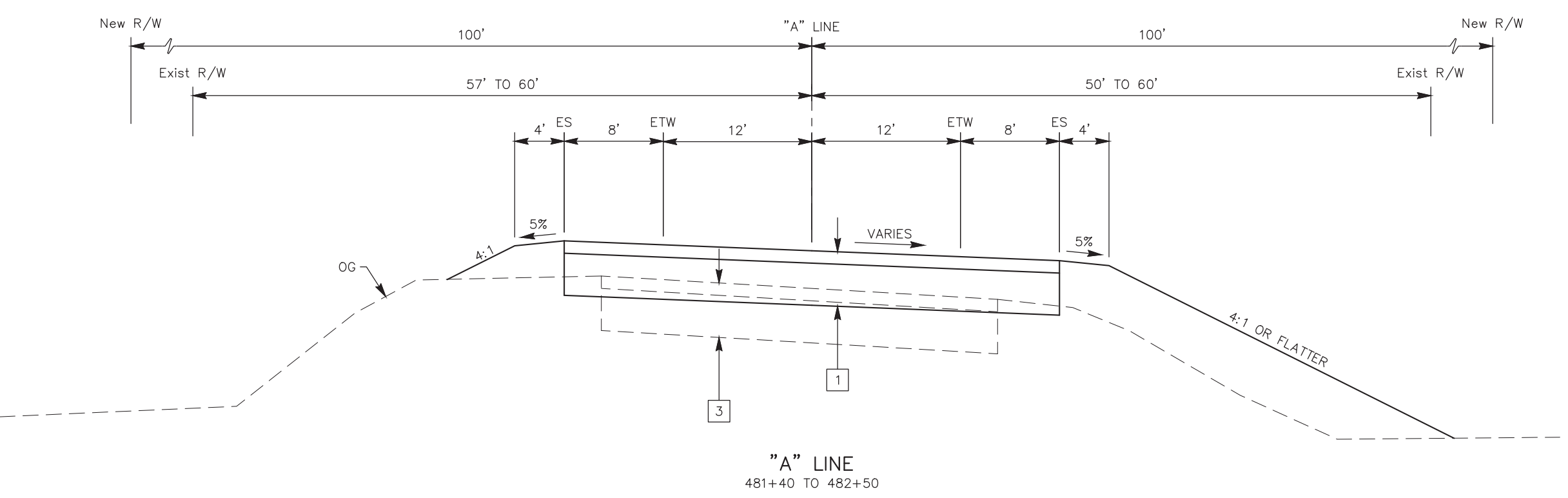
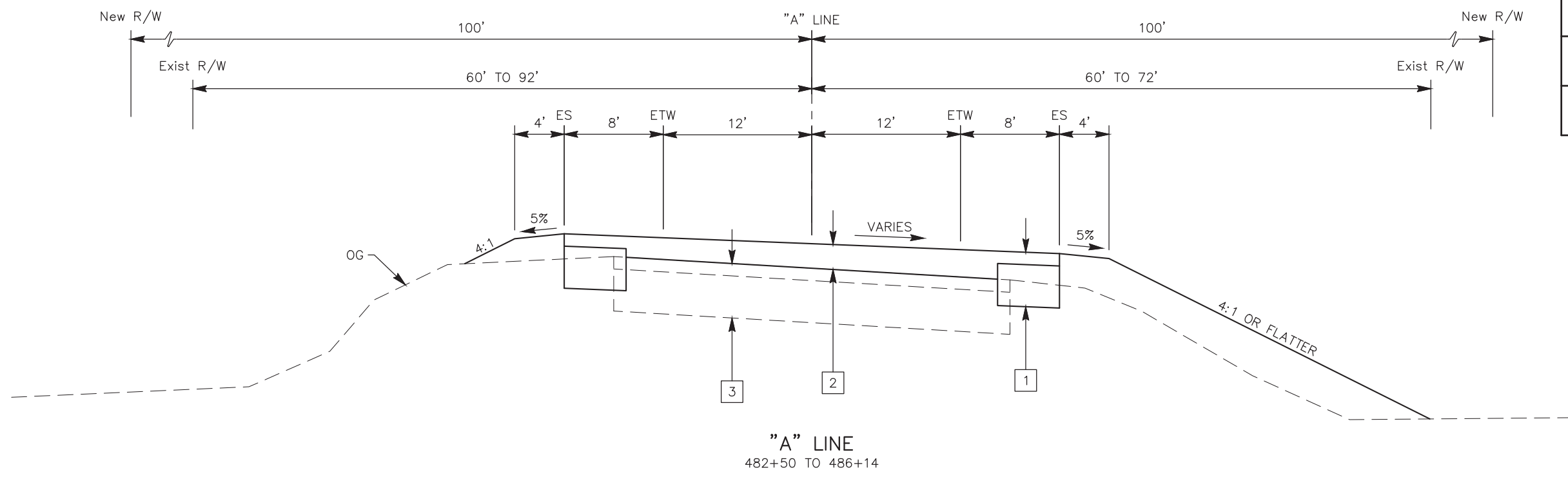
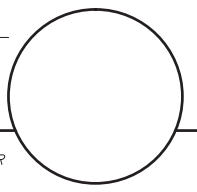
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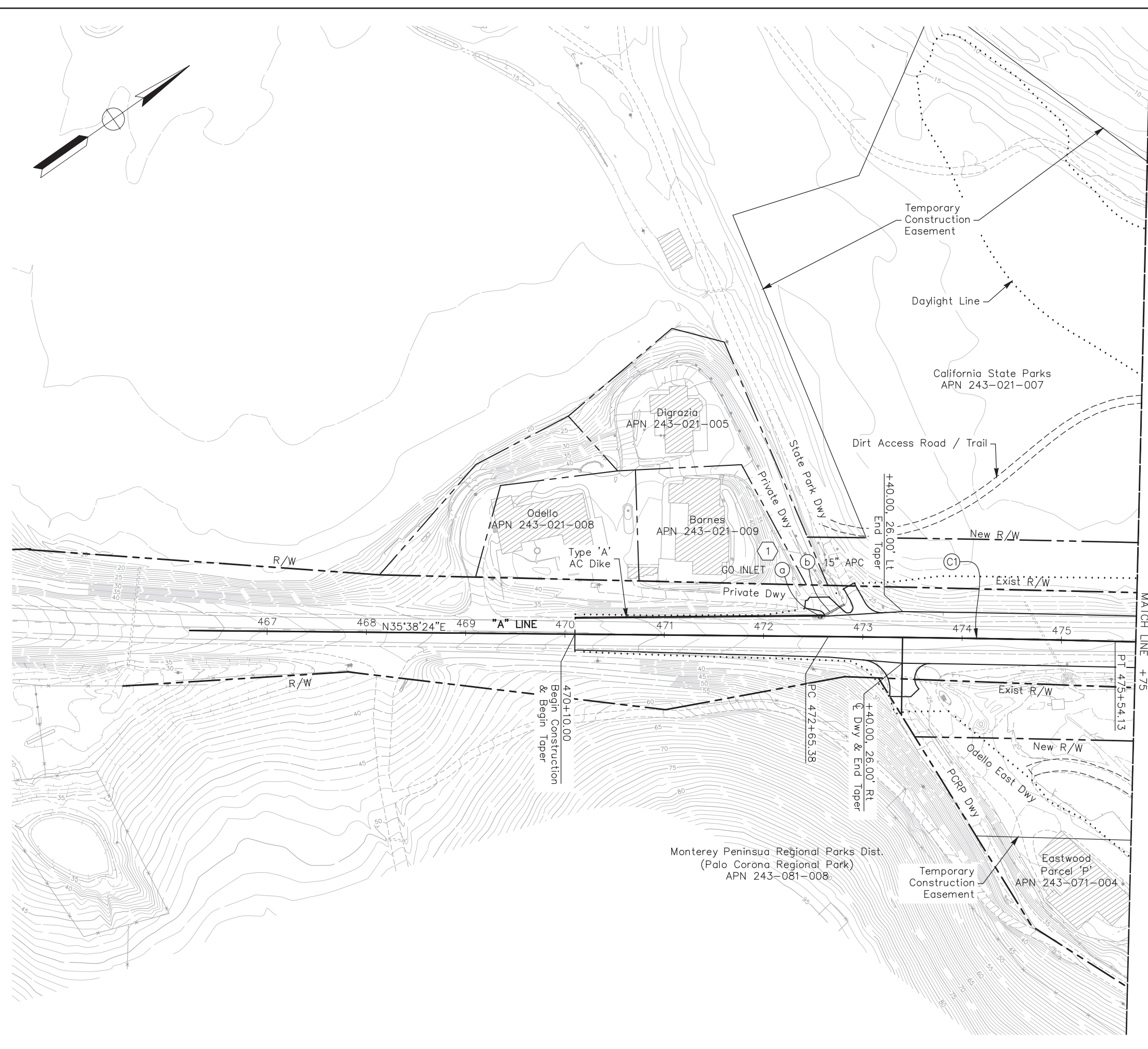
**TYPICAL CROSS SECTIONS**

SCALE: NONE

**X-3**

DATE PLOTTED => 01-May-2015  
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 LAST REVISION: 5/1/2015

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- NOTES:**
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

CURVE	RADIUS	DELTA	LENGTH
C1	20000.00	0°49'38"	288.75

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**LAYOUT**  
 SCALE: 1" = 50'

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 LAST REVISION 5/1/2015

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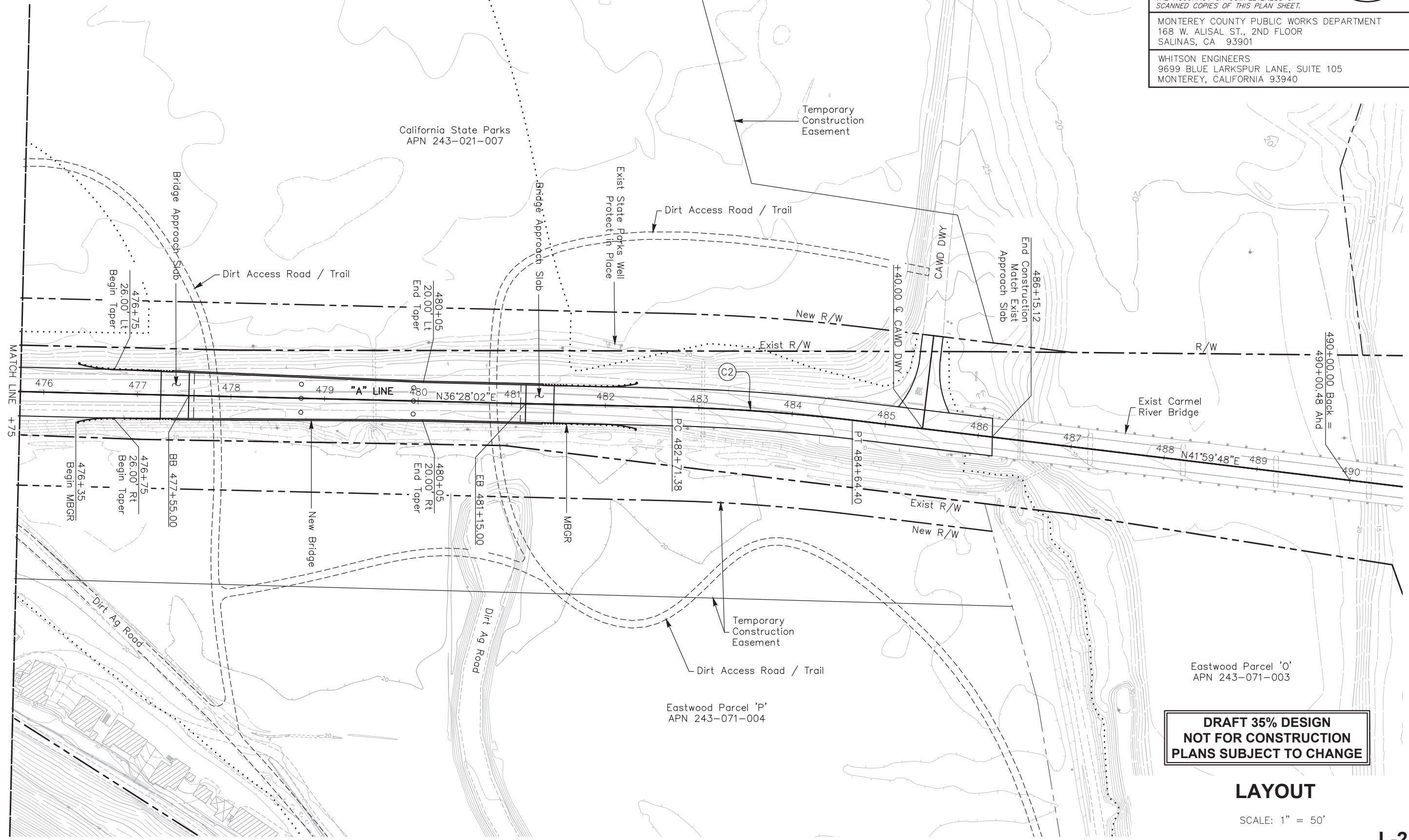
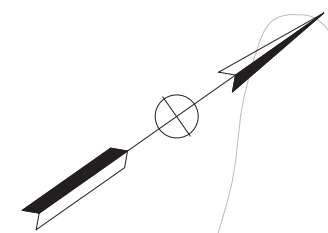
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CURVE TABLE			
CURVE	RADIUS	DELTA	LENGTH
C2	2000.00	5°31'46"	193.01



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**LAYOUT**

SCALE: 1" = 50'

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DATE PLOTTED => 01-May-2015  
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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
5	MON	1	71.9/72.3	.	x

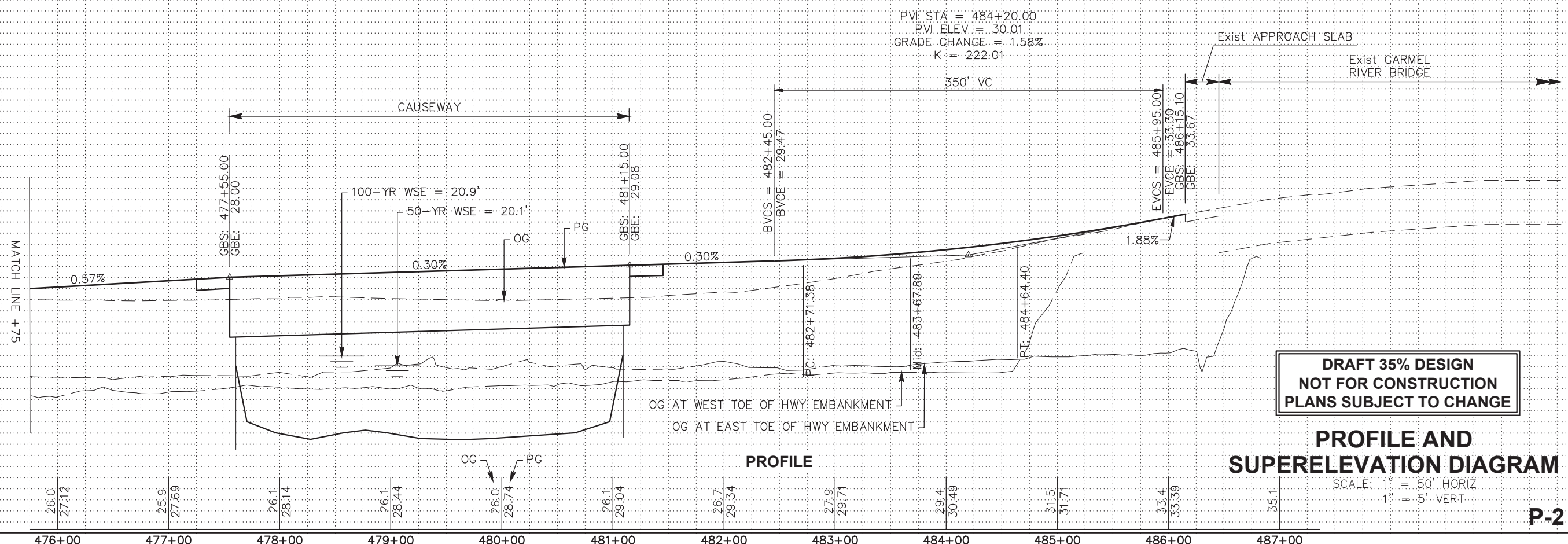
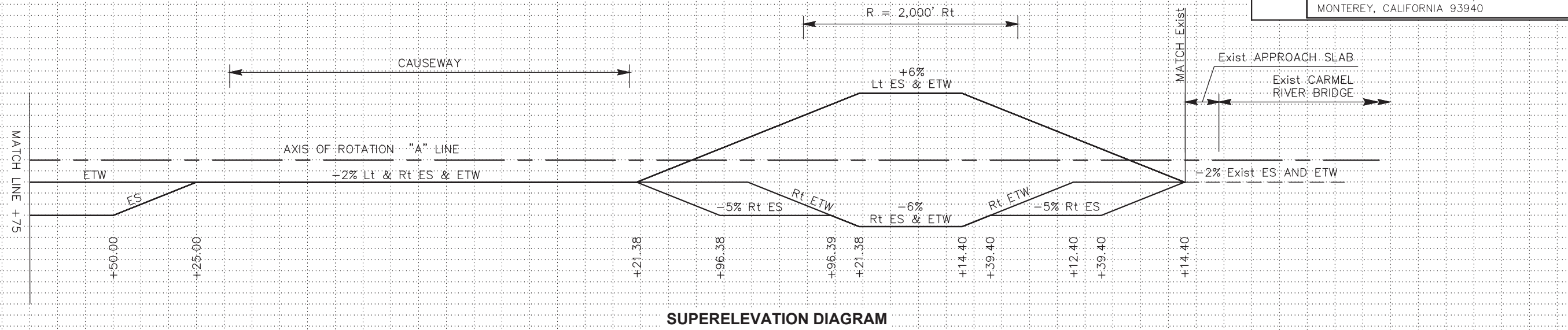
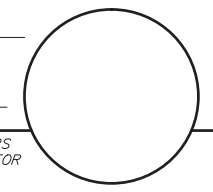
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Station	476+00	477+00	478+00	479+00	480+00	481+00	482+00	483+00	484+00	485+00	486+00	487+00
Exc	26.0	25.9	26.1	26.1	26.0	26.1	26.7	27.9	29.4	31.5	33.4	35.1
Emb	27.12	27.69	28.14	28.44	28.74	29.04	29.34	29.71	30.49	31.71	33.39	



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
5	MON	1	71.9/72.3	.	x

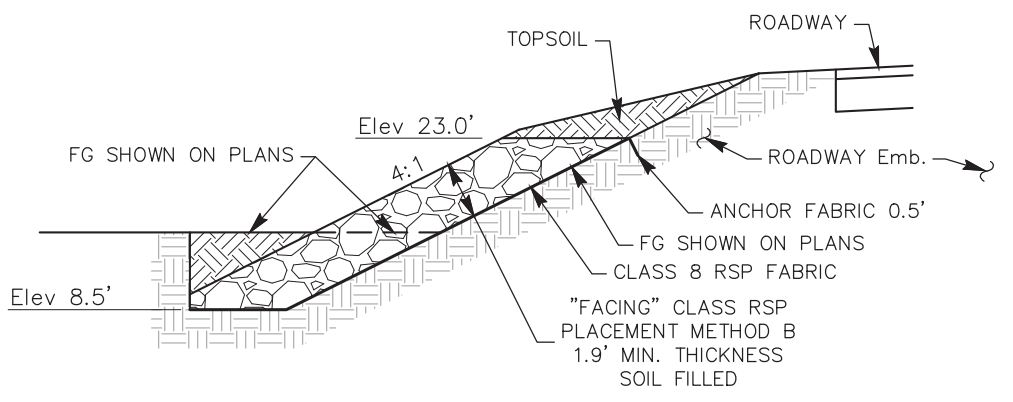
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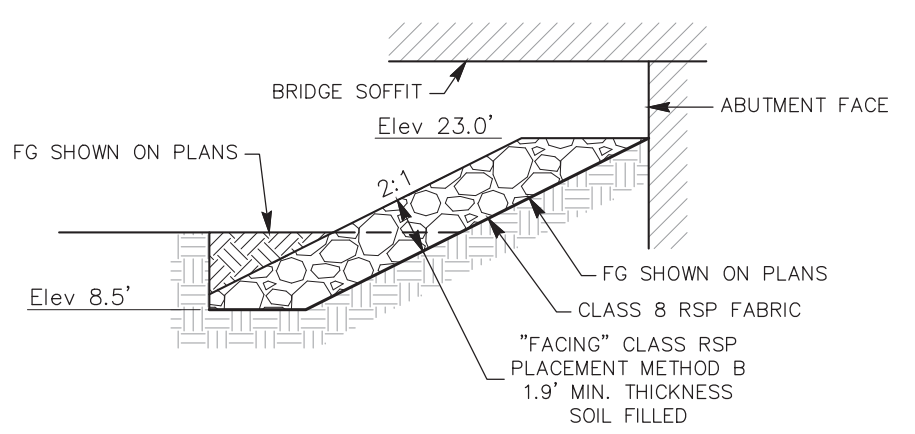
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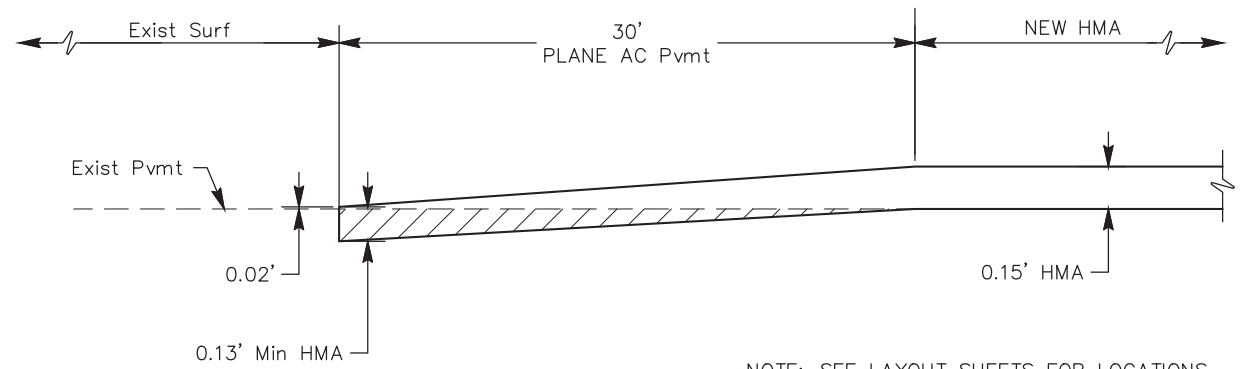


ROADWAY EMBANKMENT Lt & Rt



BELOW OVERFLOW BRIDGE DECK

**ROCK SLOPE PROTECTION**



NOTE: SEE LAYOUT SHEETS FOR LOCATIONS.

**TRANSVERSE CONFORM DETAIL**

**DRAFT 35% DESIGN  
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PLANS SUBJECT TO CHANGE**

**CONSTRUCTION DETAILS**

SCALE: NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**

REVISIONS BY DATE

DESIGNED BY CHECKED BY

CONSULTANT FUNCTIONAL SUPERVISOR  
RICHARD P. WEBER, PE, LS

N. MILAM

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**Caltrans**  
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 CALCULATED/DESIGNED BY: N. MILAM  
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 REVISIONS:  
 REVISED BY: DATE REVISIONS:  
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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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**CONTOUR GRADING**

SCALE: 1" = 50'

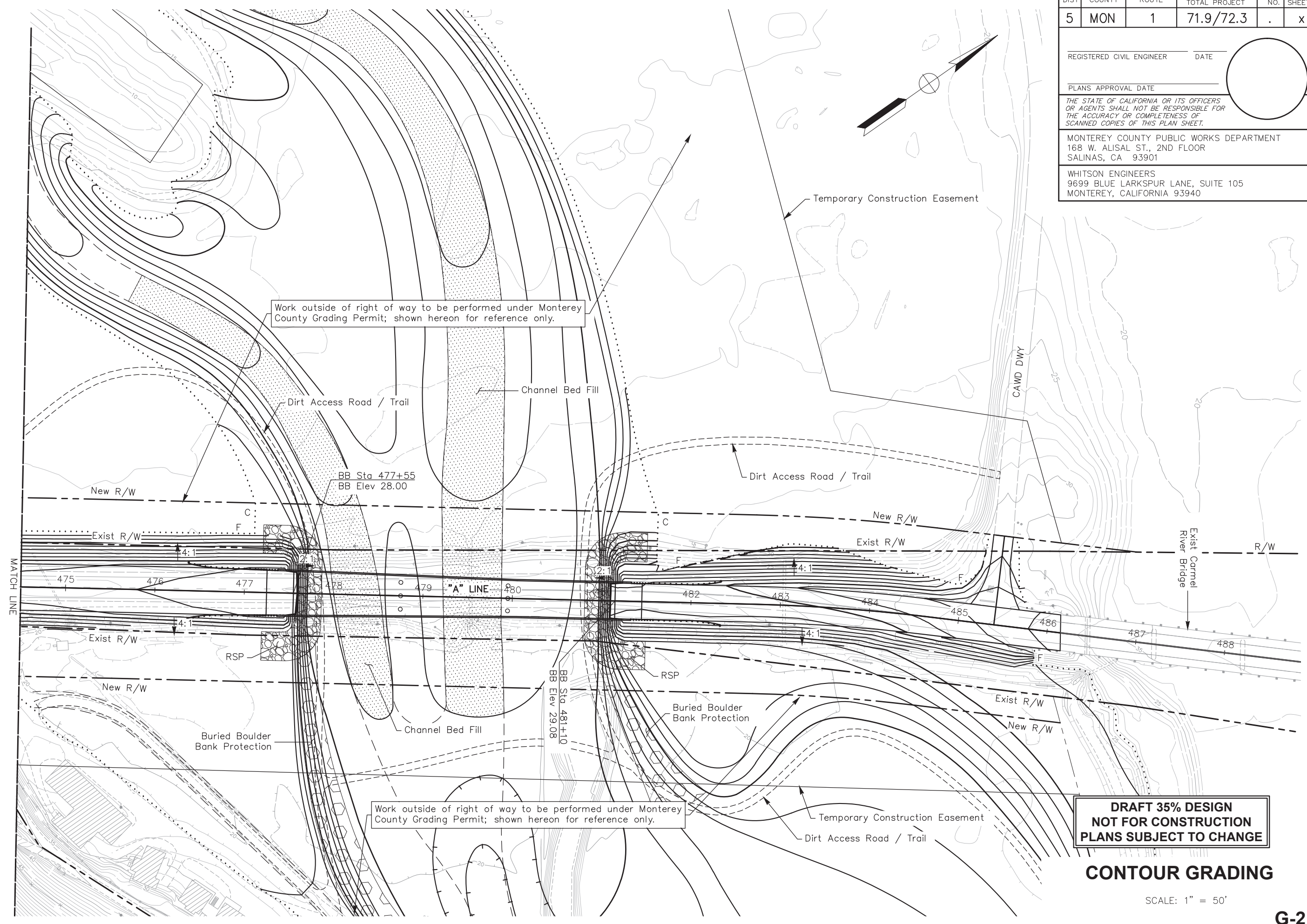
**G-1**

DATE PLOTTED => 01-May-2015  
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Work outside of right of way to be performed under Monterey County Grading Permit; shown hereon for reference only.

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No.	OWNER	TYPE OF UTILITY	DESCRIPTION	LOCATION	RISK		RELOCATE/ MODIFY	COMMENTS
					HIGH	LOW		
101	CALTRANS	UG-CULVERT	36" CMP CULVERT	STA 479+52		X	YES	REMOVE
102	CALTRANS	UG-CULVERT	36" CMP CULVERT	STA 483+05		X	YES	REMOVE
103	CALTRANS	UG-CULVERT	24" RCP CULVERT	STA 474+60 TO 475+10		X	YES	REMOVE
104	CALTRANS	UG-CULVERT	24 CMP CULVERT	IN SHOULDER, 472+90 TO 473+80 RT		X	YES	REMOVE
105	CALTRANS	UG-CULVERT	15" CMP CULVERT	IN SHOULDER, 472+60 TO 472+80 LT		X	YES	REPLACE
106	UNKNOWN	UG-CULVERT	32" CMP CULVERT	IN SHOULDER, 486+40 TO 486+80 RT		X	YES	REMOVE
201	AT&T	UG-TELECOMM.	TELECOMM. MANHOLE	IN SHOULDER, 473+28 LT 16.5'		X	NO	PROTECT IN PLACE
202	AT&T	UG-TELECOMM.	TELECOMM. MANHOLE	IN SHOULDER, 473+31 RT 20.1'		X	NO	PROTECT IN PLACE
203	AT&T	UG-TELECOMM.	TELECOMM. MANHOLE	IN SHOULDER, 476+32 RT 22.3'		X	YES	PROTECT IN PLACE
204	AT&T	UG-TELECOMM.	TELECOMM. DUCT BANK	IN EMBANKMENT		X	YES	TO BE RELOCATED STA 475+00 TO 483+00
301	PG&E	OH-ELECTRIC	12KV TRANSMISSION	RIGHT SIDE OF HWY	X		YES	TO BE PLACED UNDERGROUND STA 472+50 TO 486+04 AND 5 POLES TO BE REMOVED
303	PG&E	OH-ELECTRIC	ELECTRIC SERVICE TO WELL	CROSSING & LEFT SIDE OF HWY		X	YES	TO BE PLACED UNDERGROUND AND 3 POLES TO BE REMOVED
401	PG&E	UG-GAS	6" HP GAS	IN EMBANKMENT	X		YES	TO BE RELOCATED STA 475+00 TO 483+00
501	COMCAST	OH-CATV	CABLE TV	RIGHT SIDE OF HWY		X	YES	TO BE UNDERGROUNDED STA 472+50 TO 486+04
601	CA ST. PARKS	OH-ELECTRIC	ELECTRIC SERVICE PANEL	STA 481+56 LT 50'		X	YES	TO BE RELOCATED
602	CA ST. PARKS	OH-ELECTRIC	IRR. WELL & PUMP	STA 482+07 LT 56'		X	NO	PROTECT IN PLACE
603	CA ST. PARKS	UG-IRRIGATION	SURFACE MOUNT 3"PVC IRR.	STATE PARKS PARCEL		X	NO	RESET AFTER GRADING AS DIRECTED BY THE ENGINEER
604	CA ST. PARKS	UG-IRRIGATION	UG IRRIGATION, SIZE UNKN.	STATE PARKS PARCEL		X	NO	RELOCATE STA 479+00 TO 482+00
701	CALAM	UG-WATER	8" WATER	IN EMBANKMENT		X	YES	TO BE RELOCATED STA 475+00 TO 483+00
702	CALAM	UG-WATER	WATER APPURTENANCE	IN LEFT SHOULDER		X	NO	PROTECT IN PLACE

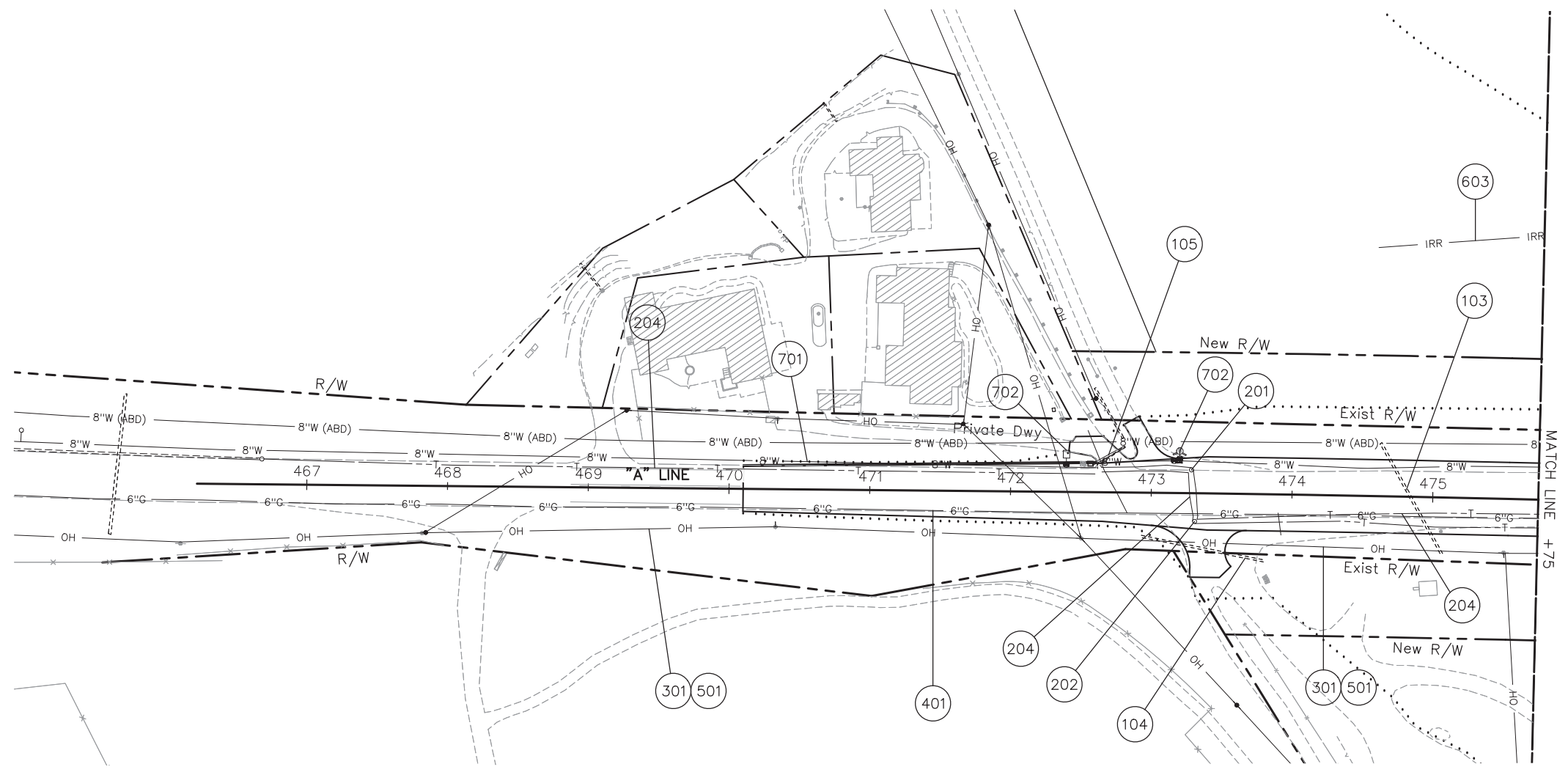
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**UTILITY PLAN**

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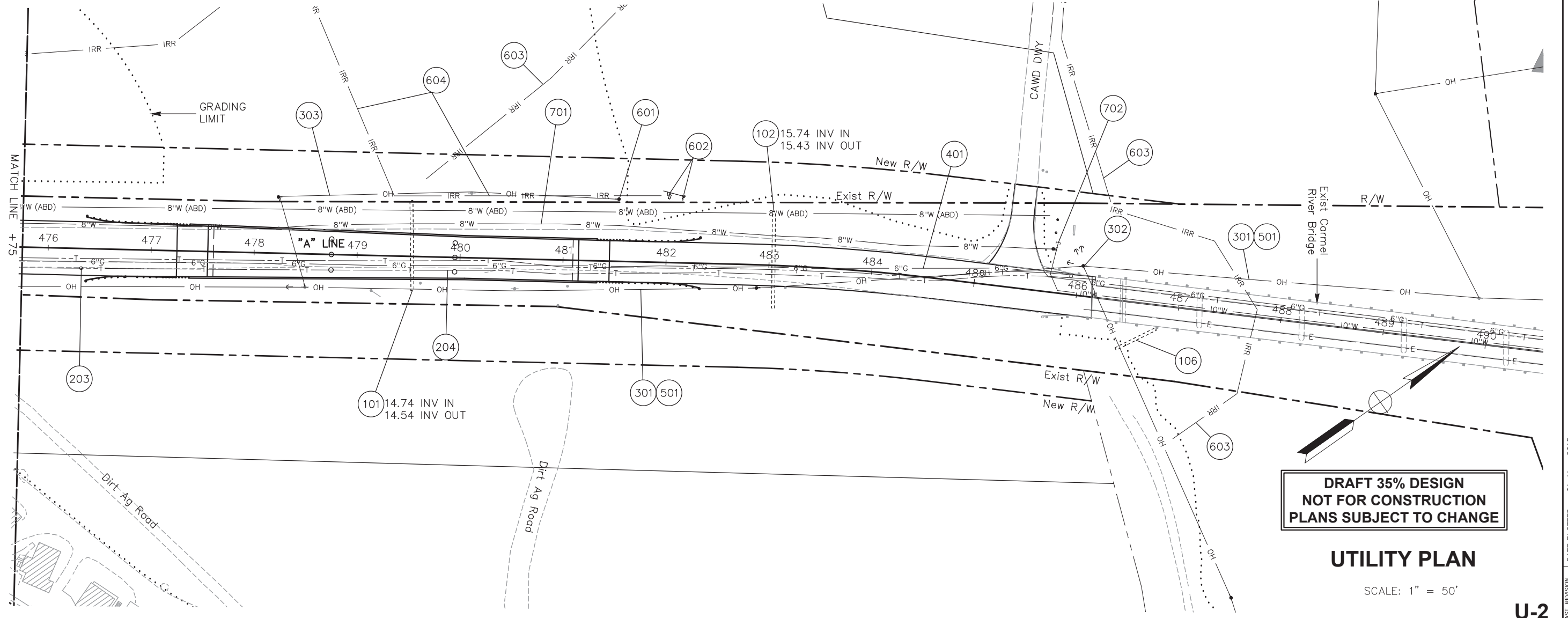
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No.	OWNER	TYPE OF UTILITY	DESCRIPTION	LOCATION	RISK		RELOCATE/MODIFY	COMMENTS
					HIGH	LOW		
101	CALTRANS	UG-CULVERT	36" CMP CULVERT	STA 479+52		X	YES	REMOVE
102	CALTRANS	UG-CULVERT	36" CMP CULVERT	STA 483+05		X	YES	REMOVE
103	CALTRANS	UG-CULVERT	24" RCP CULVERT	STA 474+60 TO 475+10		X	YES	REMOVE
104	CALTRANS	UG-CULVERT	24" CMP CULVERT	IN SHOULDER, 472+90 TO 473+80 RT		X	YES	REMOVE
105	CALTRANS	UG-CULVERT	15" CMP CULVERT	IN SHOULDER, 472+60 TO 472+80 LT		X	YES	REPLACE
106	UNKNOWN	UG-CULVERT	32" CMP CULVERT	IN SHOULDER, 486+40 TO 486+80 RT		X	YES	REMOVE
201	AT&T	UG-TELECOMM.	TELECOMM. MANHOLE	IN SHOULDER, 473+28 LT 16.5'		X	NO	PROTECT IN PLACE
202	AT&T	UG-TELECOMM.	TELECOMM. MANHOLE	IN SHOULDER, 473+31 RT 20.1'		X	NO	PROTECT IN PLACE
203	AT&T	UG-TELECOMM.	TELECOMM. MANHOLE	IN SHOULDER, 476+32 RT 22.3'		X	YES	PROTECT IN PLACE
204	AT&T	UG-TELECOMM.	TELECOMM. DUCT BANK	IN EMBANKMENT		X	YES	TO BE RELOCATED STA 475+00 TO 483+00
301	PG&E	OH-ELECTRIC	12KV TRANSMISSION	RIGHT SIDE OF HWY	X		YES	TO BE PLACED UNDERGROUND STA 472+50 TO 486+04 AND 5 POLES TO BE REMOVED
303	PG&E	OH-ELECTRIC	ELECTRIC SERVICE TO WELL	CROSSING & LEFT SIDE OF HWY		X	YES	TO BE PLACED UNDERGROUND AND 3 POLES TO BE REMOVED
401	PG&E	UG-GAS	6" HP GAS	IN EMBANKMENT	X		YES	TO BE RELOCATED STA 475+00 TO 483+00
501	COMCAST	OH-CATV	CABLE TV	RIGHT SIDE OF HWY		X	YES	TO BE UNDERGROUNDED STA 472+50 TO 486+04
601	CA ST. PARKS	OH-ELECTRIC	ELECTRIC SERVICE PANEL	STA 481+56 LT 50'		X	YES	TO BE RELOCATED
602	CA ST. PARKS	OH-ELECTRIC	IRR. WELL & PUMP	STA 482+07 LT 56'		X	NO	PROTECT IN PLACE
603	CA ST. PARKS	UG-IRRIGATION	SURFACE MOUNT 3"PVC IRR.	STATE PARKS PARCEL		X	NO	RESET AFTER GRADING AS DIRECTED BY THE ENGINEER
604	CA ST. PARKS	UG-IRRIGATION	UG IRRIGATION, SIZE UNKN.	STATE PARKS PARCEL		X	NO	RELOCATE STA 479+00 TO 482+00
701	CALAM	UG-WATER	8" WATER	IN EMBANKMENT		X	YES	TO BE RELOCATED STA 475+00 TO 483+00
702	CALAM	UG-WATER	WATER APPURTENANCE	IN LEFT SHOULDER		X	NO	PROTECT IN PLACE



**DRAFT 35% DESIGN  
NOT FOR CONSTRUCTION  
PLANS SUBJECT TO CHANGE**

**UTILITY PLAN**

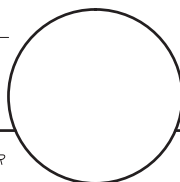
SCALE: 1" = 50'

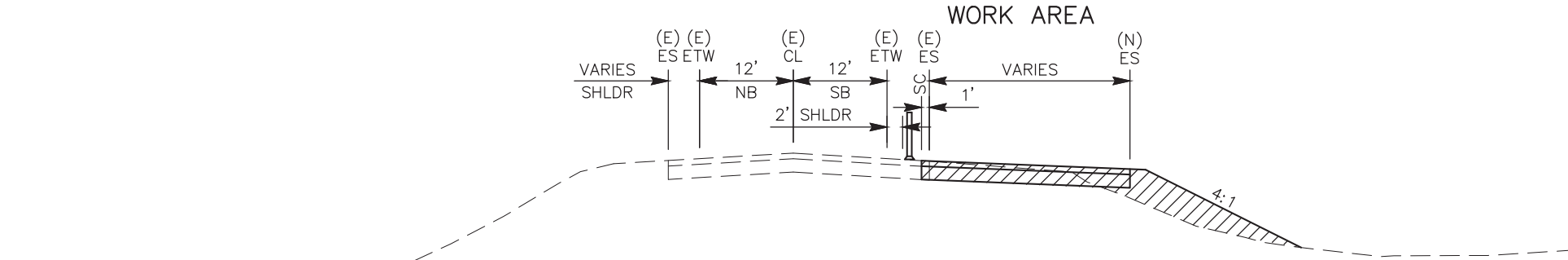
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 CONSULTANT FUNCTIONAL SUPERVISOR  
 RICHARD P. WEBER, PE, LS  
 CHECKED BY  
 N. MILAM  
 REVISIONS  
 DATE REVISOR  
 DATE REVISOR



DATE PLOTTED => 01-May-2015  
 TIME PLOTTED => 16:45  
 LAST REVISION  
 5/1/2015

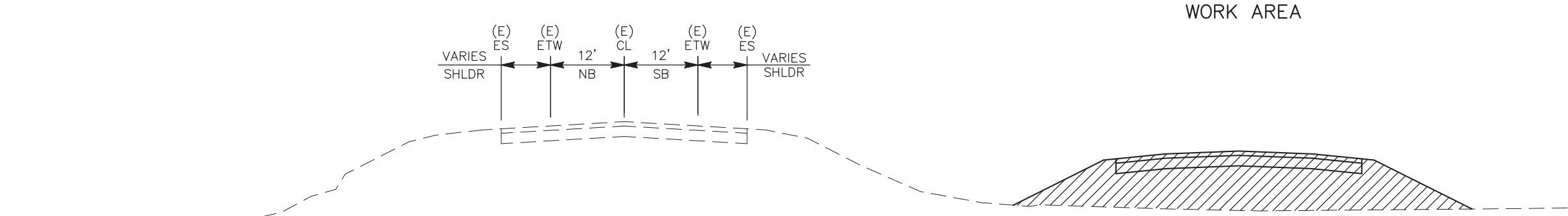
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	REVISOR	DATE
<b>Caltrans</b>	RICHARD P. WEBER, PE, LS	N. MILAM	
		REVISOR	DATE
		CHECKED BY	
		DESIGNED BY	

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
5	MON	1	71.9/72.3	.	x
REGISTERED CIVIL ENGINEER		DATE			
PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					
MONTEREY COUNTY PUBLIC WORKS DEPARTMENT 168 W. ALISAL ST., 2ND FLOOR SALINAS, CA 93901					
WHITSON ENGINEERS 9699 BLUE LARKSPUR LANE, SUITE 105 MONTEREY, CALIFORNIA 93940					



**STAGE 1 CONSTRUCTION**

"A" LINE  
 472+30 TO 474+90  
 483+45 TO 486+15



**STAGE 1 CONSTRUCTION**

"A" LINE  
 474+90 TO 483+45

**DRAFT 35% DESIGN  
 NOT FOR CONSTRUCTION  
 PLANS SUBJECT TO CHANGE**

**STAGE 1 CONSTRUCTION**

SCALE: NONE

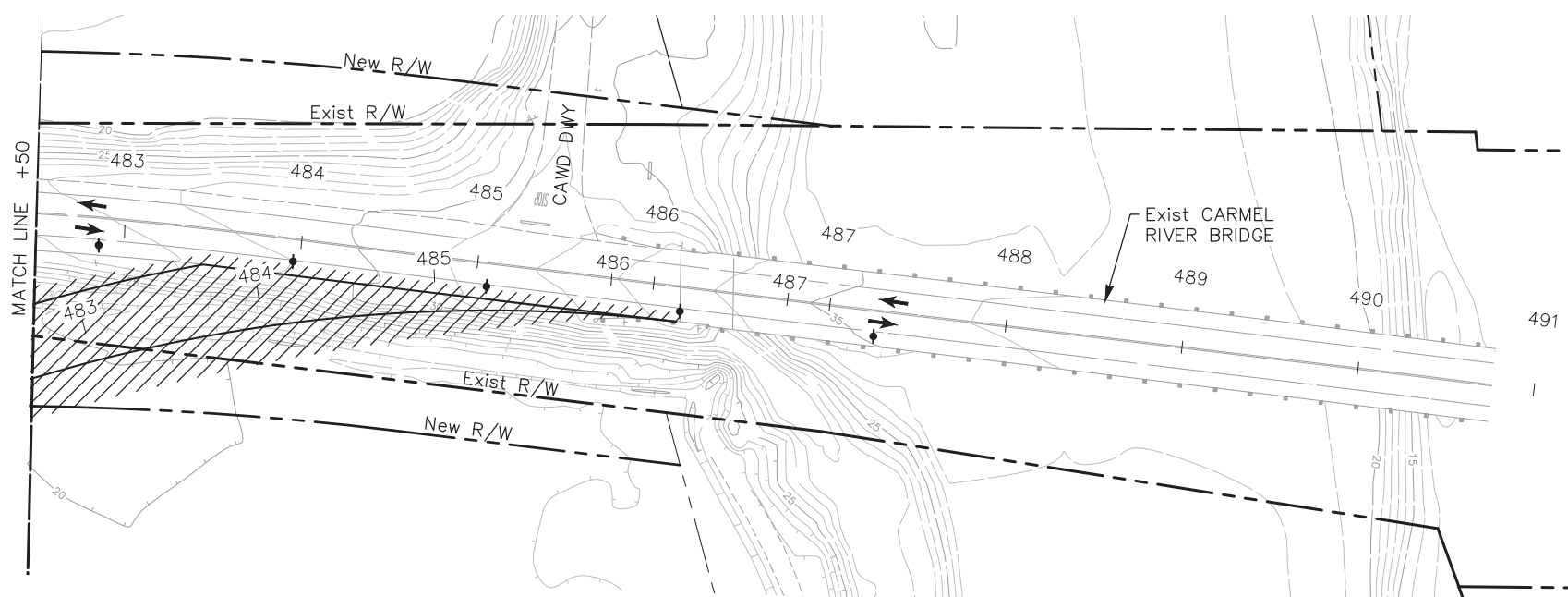
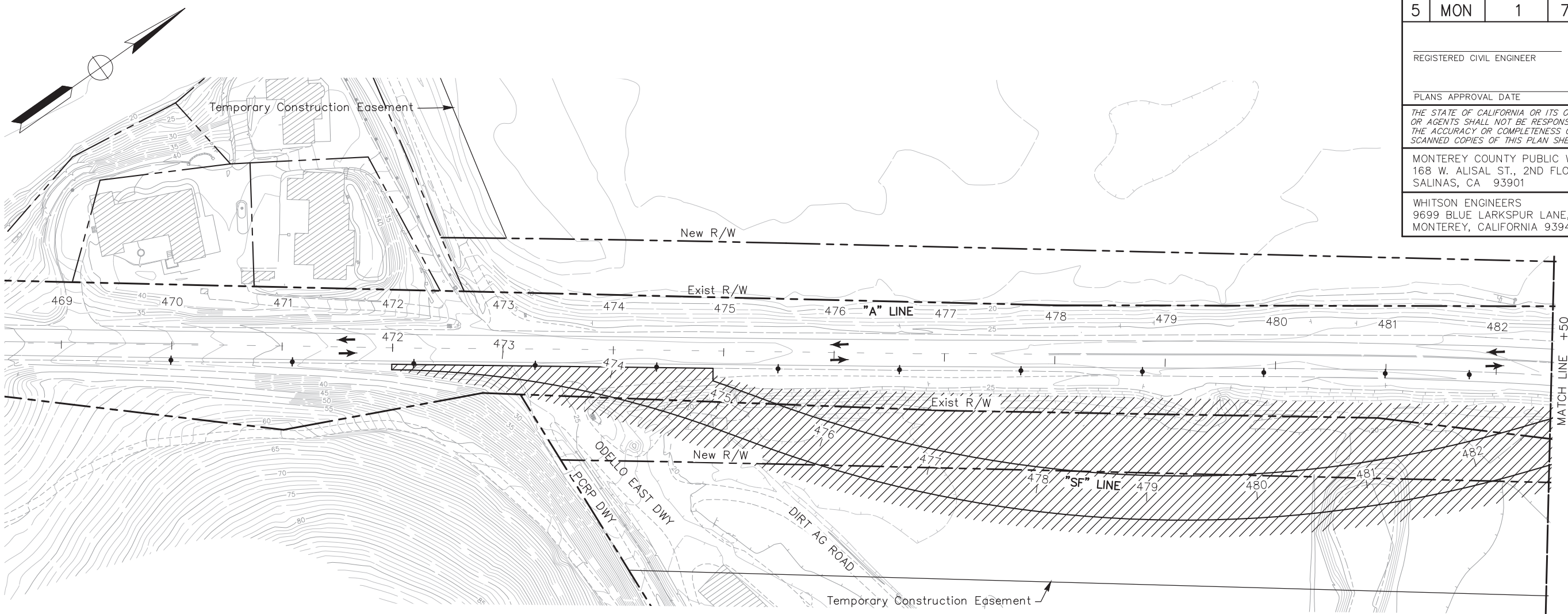
**SC-1**

DATE PLOTTED => 01-May-2015  
 TIME PLOTTED => 16:46  
 LAST REVISION  
 5/1/2015

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT SUPERVISOR: RICHARD P. WEBER, PE, LS  
 CALCULATED/DESIGNED BY: N. MILAM  
 CHECKED BY:  
 REVISIONS: REVISOR: DATE  
 DATE REVISIONS: DATE

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
5	MON	1	71.9/72.3	.	x

REGISTERED CIVIL ENGINEER: \_\_\_\_\_ DATE: \_\_\_\_\_  
 PLANS APPROVAL DATE: \_\_\_\_\_  
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 MONTEREY, CALIFORNIA 93940



**STAGE 1 CONSTRUCTION**  
 SCALE: 1"=50'

THIS PLAN IS ACCURATE FOR STAGE 1 CONSTRUCTION ONLY.

**STAGE 1 CONSTRUCTION**

ORDER OF WORK

1. EMBANKMENT (SHOOFLY)
2. AGGREGATE BASE (SHOOFLY)
3. HMA (SHOOFLY)

**LEGEND**

- Construct This Stage
- Temporary Stripe Detail No.
- Direction of Travel
- Channelizer (Surface Mounted)
- Temporary Railing (Type K)

**DRAFT 35% DESIGN  
 NOT FOR CONSTRUCTION  
 PLANS SUBJECT TO CHANGE**

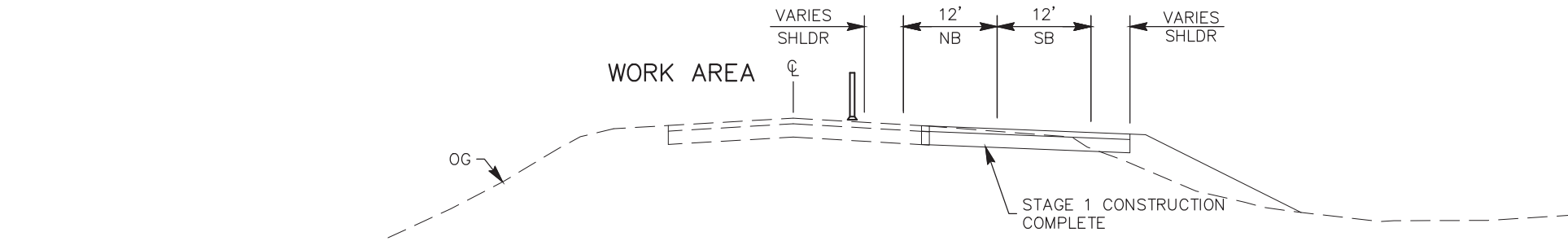
**STAGE 1 CONSTRUCTION**

SCALE: 1" = 50'

DATE PLOTTED => 01-May-2015  
 TIME PLOTTED => 16:46  
 LAST REVISION: 5/1/2015

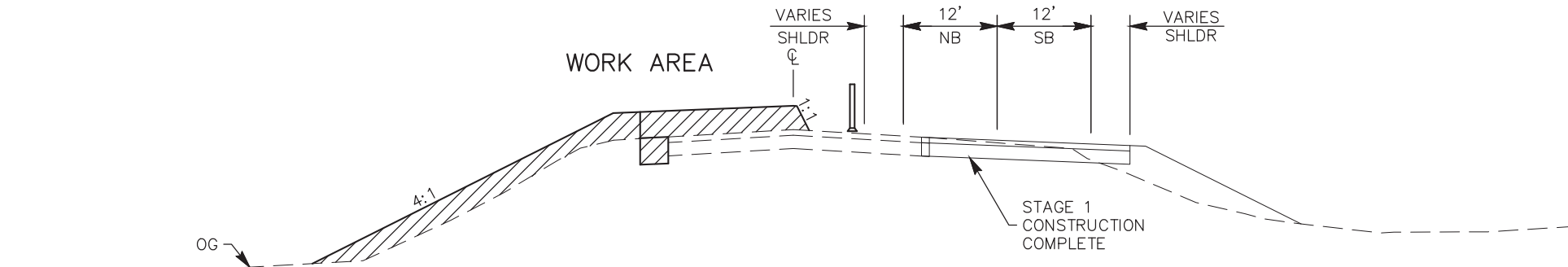
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT FUNCTIONAL SUPERVISOR: RICHARD P. WEBER, PE, LS  
 N. MILAM  
 REVISIONS: REVISION BY DATE REVISION BY DATE REVISION BY DATE

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
5	MON	1	71.9/72.3	.	x



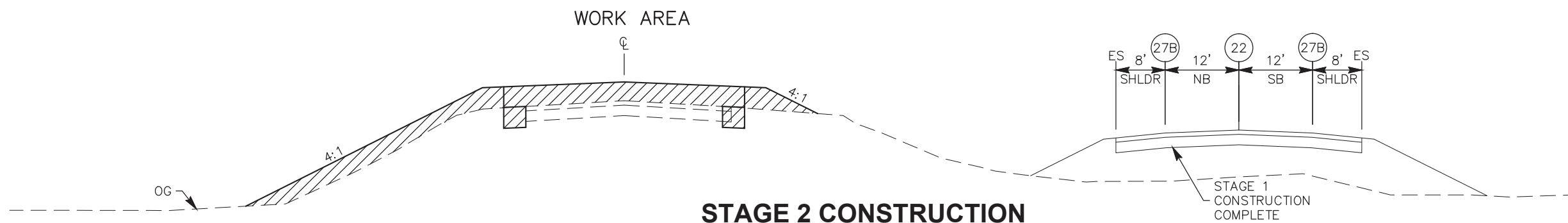
**STAGE 2 CONSTRUCTION**

**"A" LINE**  
**472+00 TO 474+50**  
**483+50 TO 486+50**



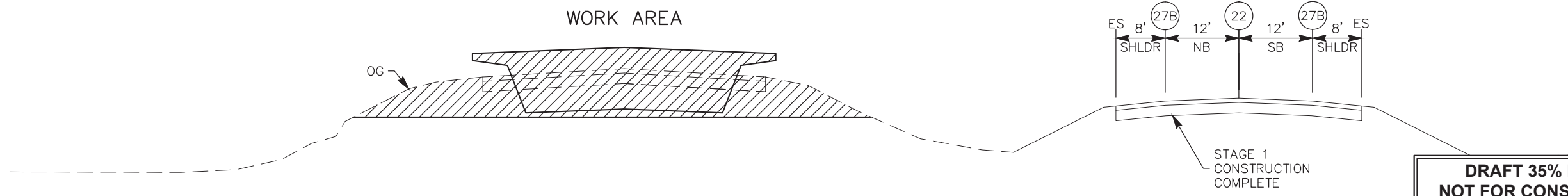
**STAGE 2 CONSTRUCTION**

**"A" LINE**  
**474+50 TO 475+50**  
**482+50 TO 483+50**



**STAGE 2 CONSTRUCTION**

**"A" LINE**  
**475+50 TO 477+30**  
**481+40 TO 482+50**



**STAGE 2 CONSTRUCTION**

**"A" LINE**  
**477+30 TO 481+40**

REGISTERED CIVIL ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_

PLANS APPROVAL DATE \_\_\_\_\_

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 SALINAS, CA 93901

WHITSON ENGINEERS  
 9699 BLUE LARKSPUR LANE, SUITE 105  
 MONTEREY, CALIFORNIA 93940

**DRAFT 35% DESIGN**  
**NOT FOR CONSTRUCTION**  
**PLANS SUBJECT TO CHANGE**

**STAGE 2 CONSTRUCTION**

SCALE: NONE

**SC-3**

DATE PLOTTED => 01-May-2015  
 TIME PLOTTED => 16:46  
 LAST REVISION: 5/1/2015



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**Caltrans**  
 CONSULTANT FUNCTIONAL SUPERVISOR  
 RICHARD P. WEBER, PE, LS  
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 N. MILAM  
 REVISIONS  
 REVISOR  
 DATE

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
5	MON	1	71.9/72.3	.	x

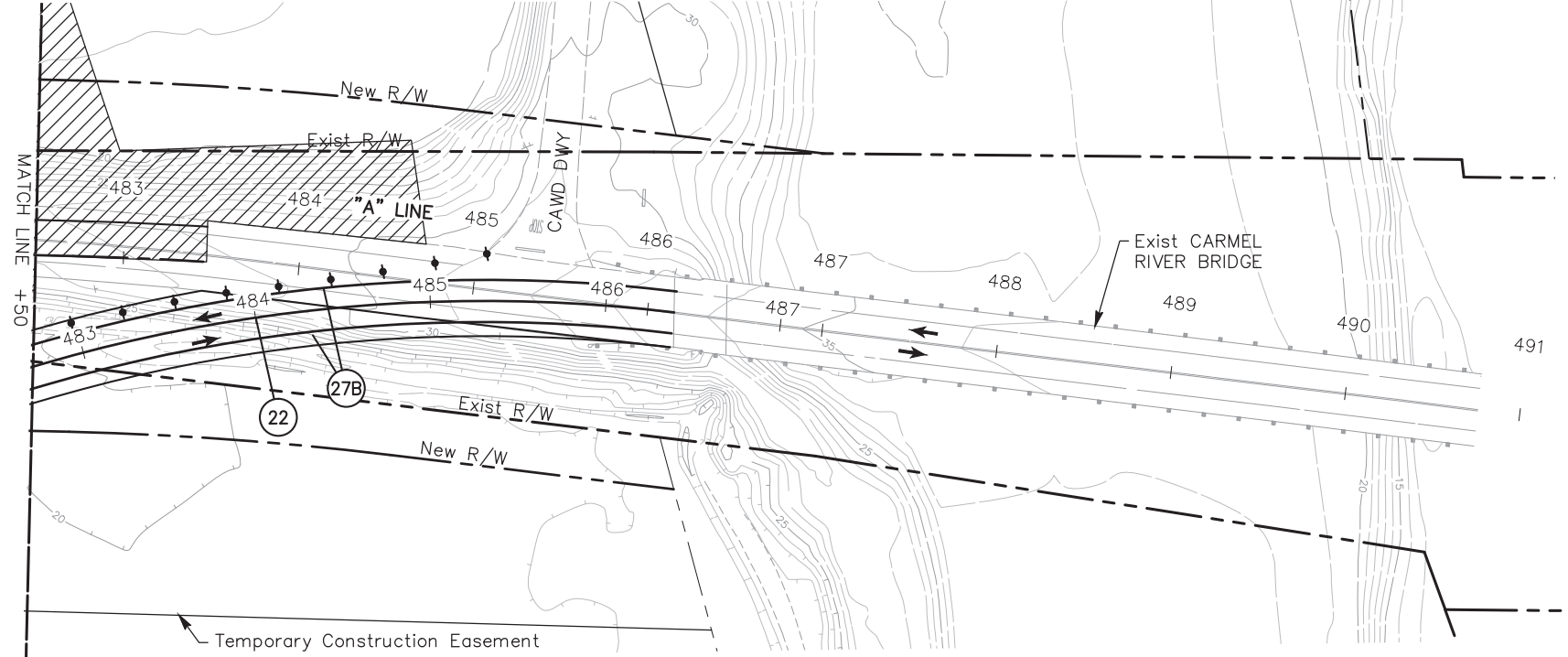
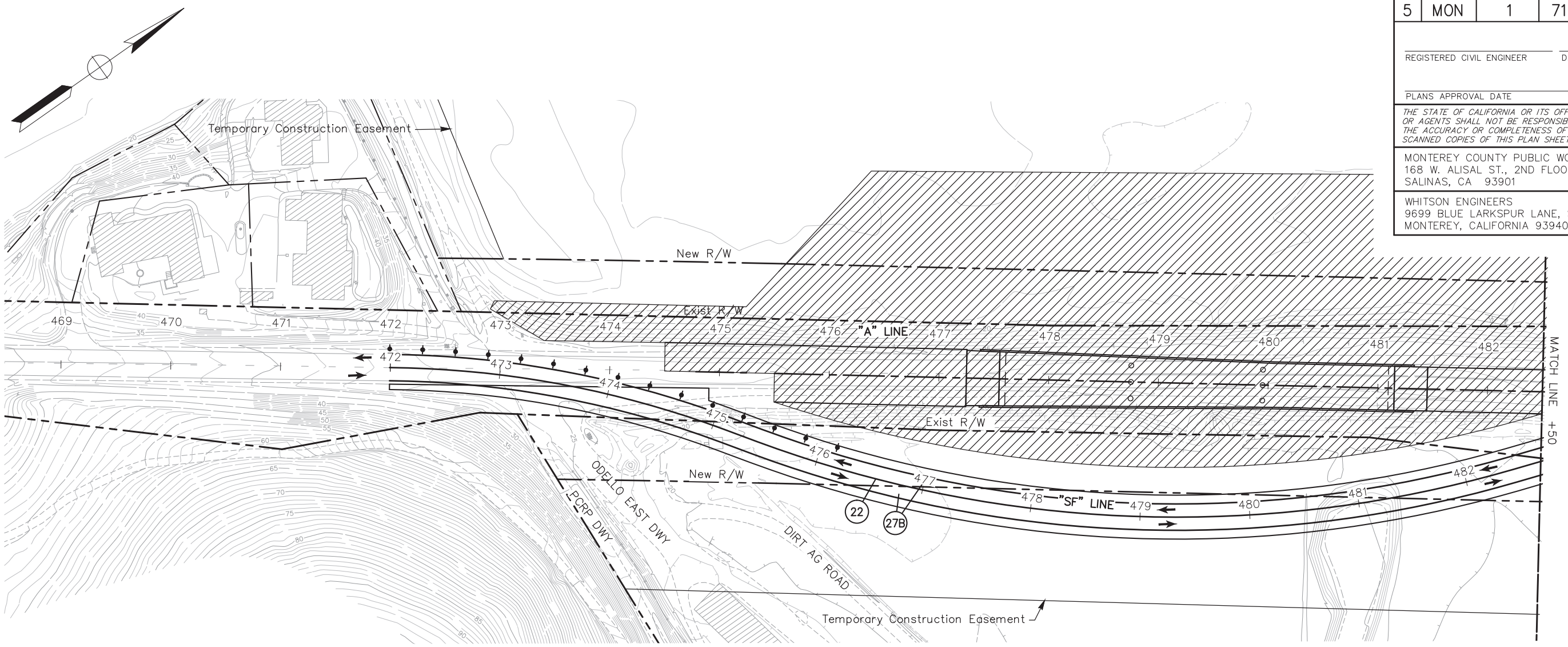
REGISTERED CIVIL ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_

PLANS APPROVAL DATE \_\_\_\_\_

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 MONTEREY, CALIFORNIA 93940



- STAGE 2 CONSTRUCTION**
- ORDER OF WORK
1. REMOVE EXISTING AC, AB AND EMBANKMENT BRIDGE
  2. EMBANKMENTS
  3. AGGREGATE BASE
  4. HMA

- LEGEND**
- Construct This Stage
  - Temporary Stripe Detail No.
  - Direction of Travel
  - Channelizer (Surface Mounted)
  - Temporary Railing (Type K)

**DRAFT 35% DESIGN  
 NOT FOR CONSTRUCTION  
 PLANS SUBJECT TO CHANGE**

**STAGE 2 CONSTRUCTION**

THIS PLAN IS ACCURATE FOR STAGE 2 CONSTRUCTION ONLY.

SCALE: 1" = 50'

**STAGE 2 CONSTRUCTION**

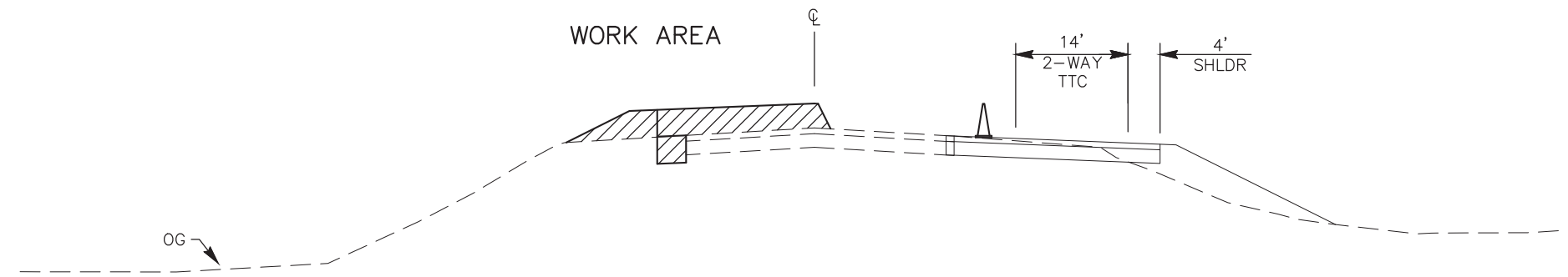
SCALE: 1" = 50'

**SC-4**

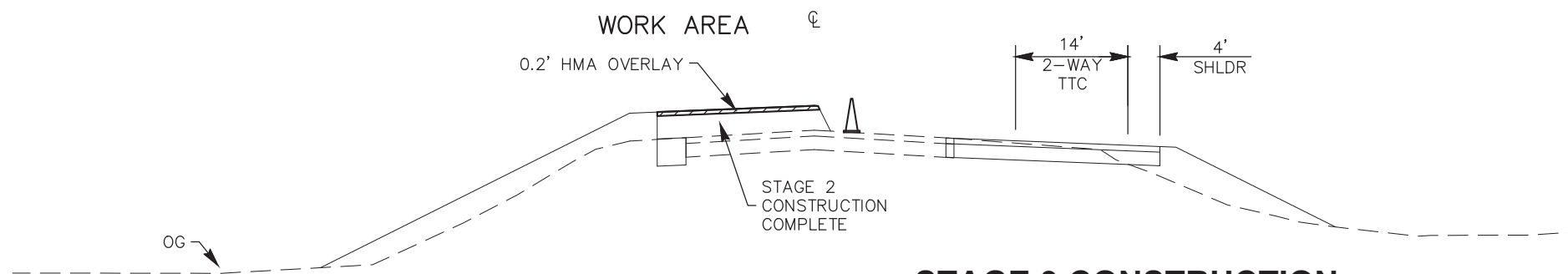
DATE PLOTTED => 01-May-2015  
 TIME PLOTTED => 16:46  
 LAST REVISION  
 5/1/2015

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	DESIGNED BY	REVISIONS
<b>Caltrans</b>	RICHARD P. WEBER, PE, LS	N. MILAM	DATE REVISIONS

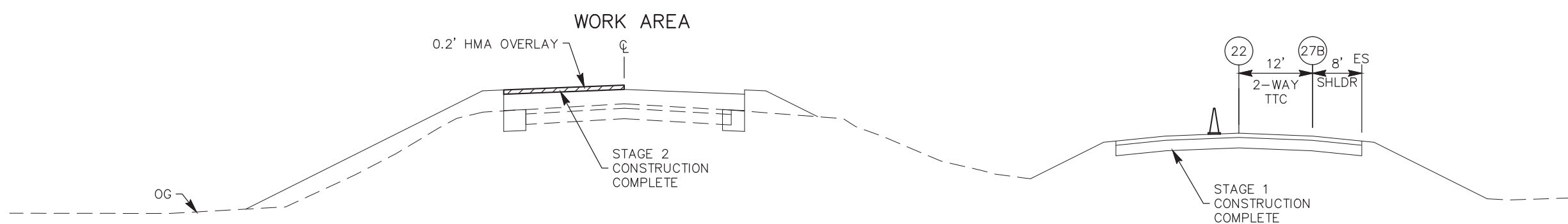
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
5	MON	1	71.9/72.3	.	x
REGISTERED CIVIL ENGINEER			DATE		
PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					
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WHITSON ENGINEERS 9699 BLUE LARKSPUR LANE, SUITE 105 MONTEREY, CALIFORNIA 93940					



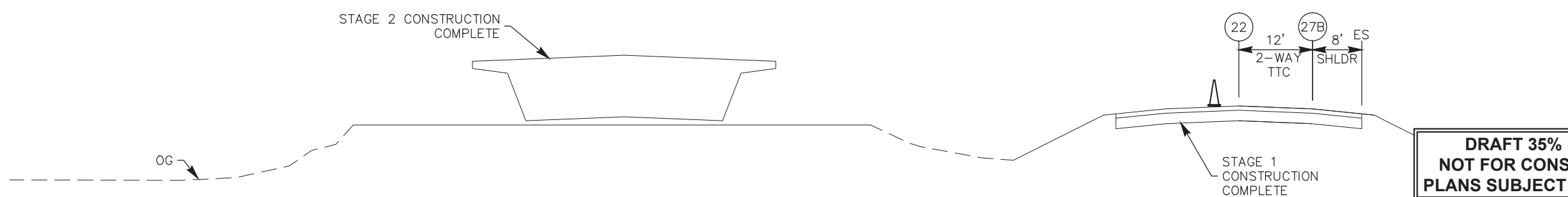
**STAGE 3 CONSTRUCTION**  
**"A" LINE**  
 470+10 TO 474+50  
 483+50 TO 486+15



**STAGE 3 CONSTRUCTION**  
**"A" LINE**  
 474+50 TO 475+50  
 482+50 TO 483+50



**STAGE 3 CONSTRUCTION**  
**"A" LINE**  
 475+50 TO 477+30  
 481+40 TO 482+50



**STAGE 3 CONSTRUCTION**  
**"A" LINE**  
 477+30 TO 481+40

**DRAFT 35% DESIGN**  
**NOT FOR CONSTRUCTION**  
**PLANS SUBJECT TO CHANGE**

**STAGE 3 CONSTRUCTION**  
**(NIGHT WORK)**  
 SCALE: NONE

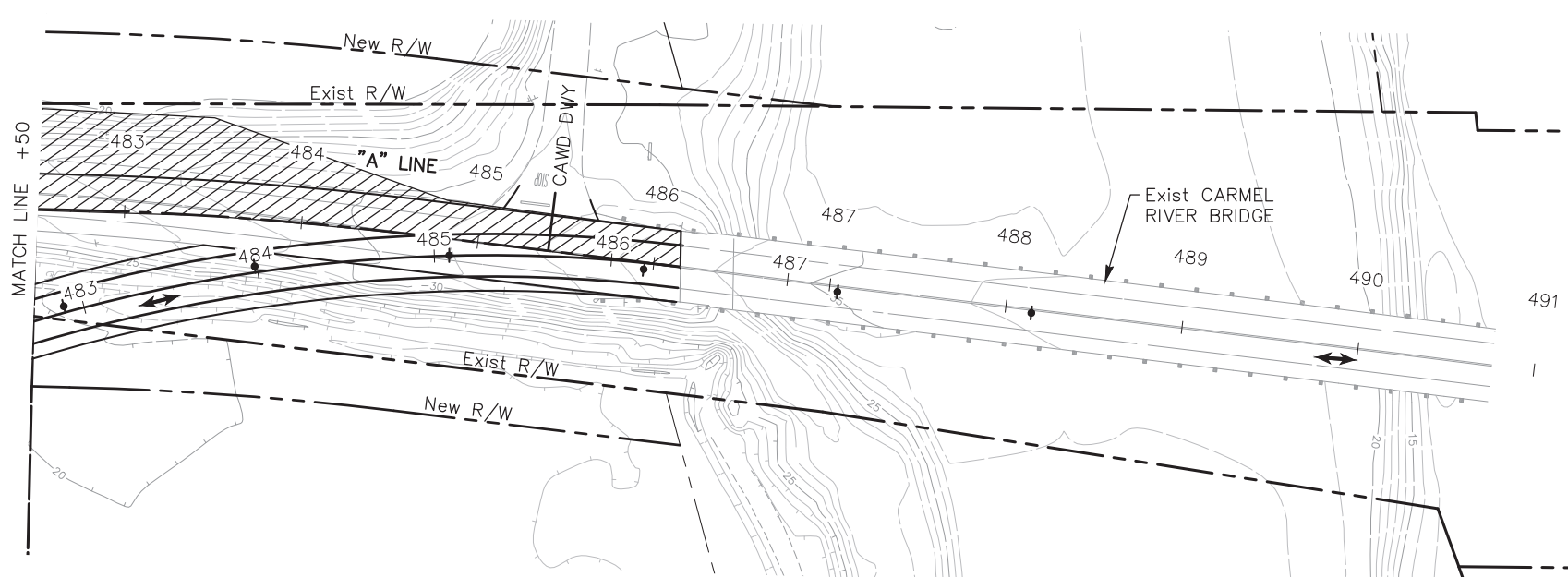
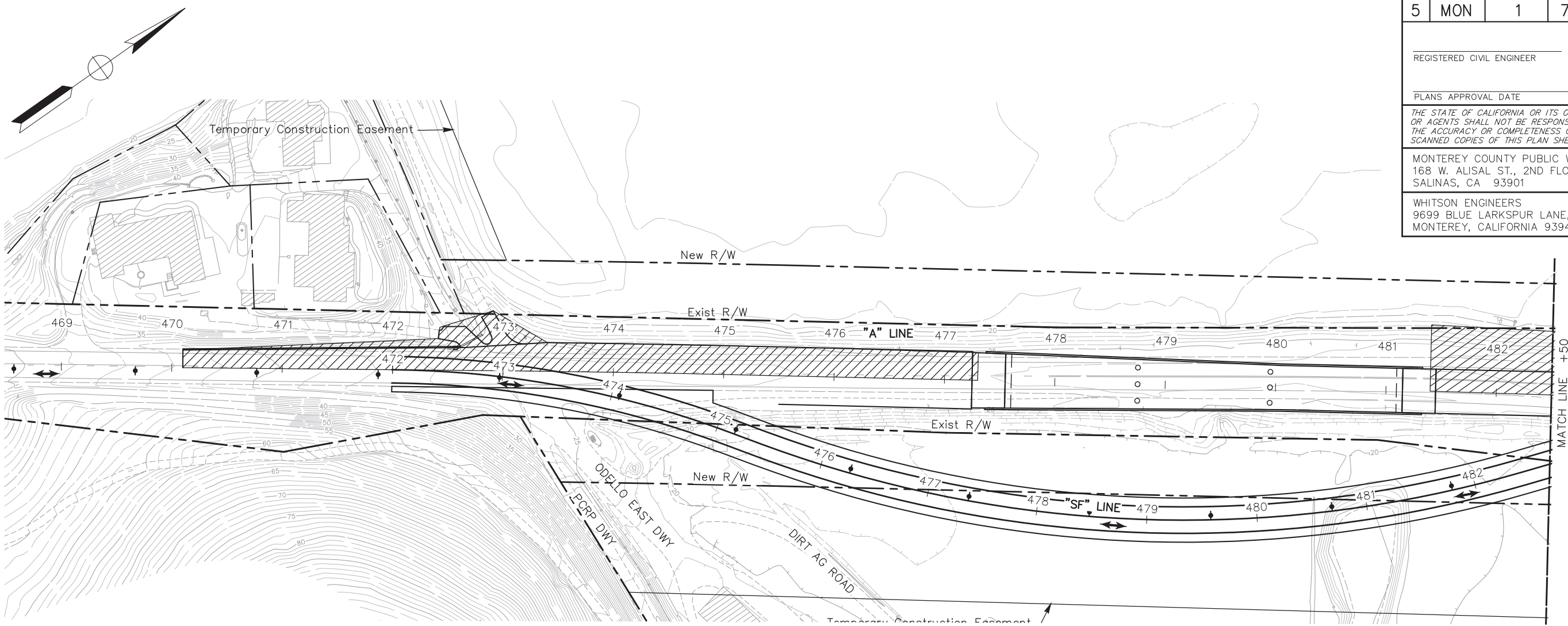
**SC-5**

DATE PLOTTED => 01-May-2015  
 TIME PLOTTED => 16:47  
 LAST REVISION  
 5/1/2015

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
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 CALCULATED/DESIGNED BY: N. MILAM  
 CHECKED BY:  
 REVISIONS: REVISOR: DATE  
 DATE REVISIONS: DATE REVISIONS

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
5	MON	1	71.9/72.3	.	x

REGISTERED CIVIL ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_  
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 MONTEREY, CALIFORNIA 93940



**STAGE 3 CONSTRUCTION**  
 (NIGHT WORK)  
 ORDER OF WORK

- HMA

**LEGEND**

- Construct This Stage
- Temporary Stripe Detail No.
- Direction of Travel
- Channelizer (Surface Mounted)
- Temporary Railing (Type K)

NOTES:  
 1. SEE \_\_\_ FOR TRAFFIC HANDLING PLAN.

**STAGE 3 CONSTRUCTION**  
 SCALE: 1" = 50'

THIS PLAN IS ACCURATE FOR  
 STAGE 3 CONSTRUCTION ONLY.

**DRAFT 35% DESIGN**  
**NOT FOR CONSTRUCTION**  
**PLANS SUBJECT TO CHANGE**

**STAGE 3 CONSTRUCTION**  
 (NIGHT WORK)  
 SCALE: 1" = 50'

**SC-6**

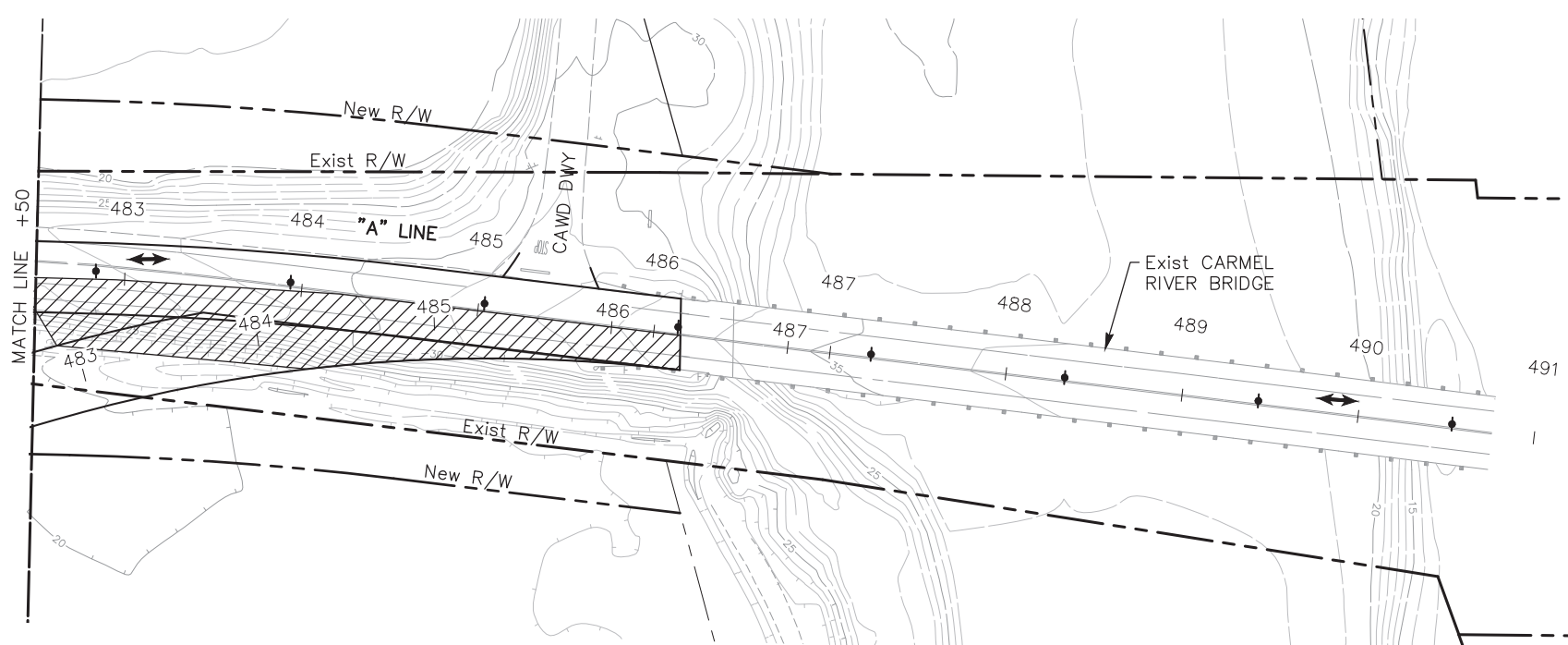
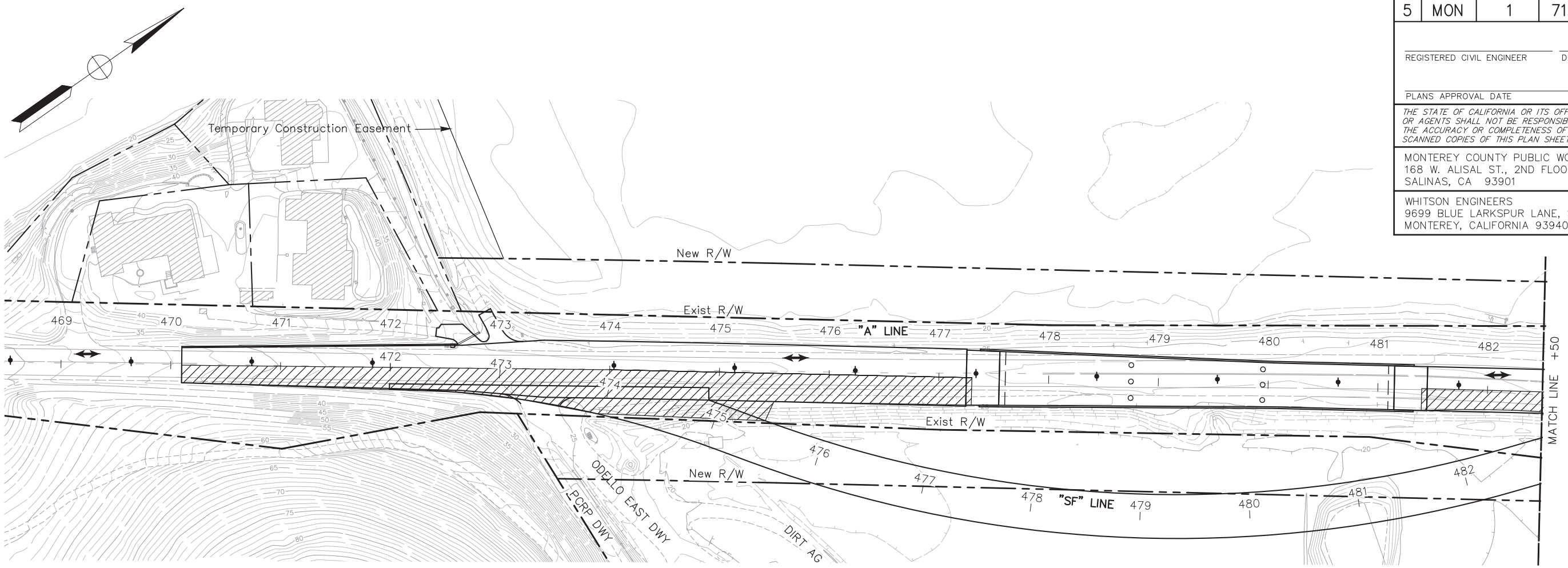
DATE PLOTTED => 01-May-2015  
 TIME PLOTTED => 16:47  
 LAST REVISION: 5/1/2015



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT SUPERVISOR: RICHARD P. WEBER, PE, LS  
 N. MILAM  
 REVISIONS: REVISOR: DATE  
 CALCULATED/DESIGNED BY: CHECKED BY:  
 CONSULTANT SUPERVISOR: RICHARD P. WEBER, PE, LS

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
5	MON	1	71.9/72.3	.	x

REGISTERED CIVIL ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_  
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 MONTEREY, CALIFORNIA 93940



**STAGE 4 CONSTRUCTION**  
 (NIGHT WORK)  
 ORDER OF WORK  
 1. HMA

LEGEND

	Construct This Stage
	Temporary Stripe Detail No.
	Direction of Travel
	Channelizer (Surface Mounted)
	Temporary Railing (Type K)

NOTES:  
 1. SEE \_\_\_ FOR TRAFFIC HANDLING PLAN.

**STAGE 4 CONSTRUCTION**

SCALE: 1" = 50'

THIS PLAN IS ACCURATE FOR STAGE 4 CONSTRUCTION ONLY.

**DRAFT 35% DESIGN**  
**NOT FOR CONSTRUCTION**  
**PLANS SUBJECT TO CHANGE**

**STAGE 4 CONSTRUCTION**

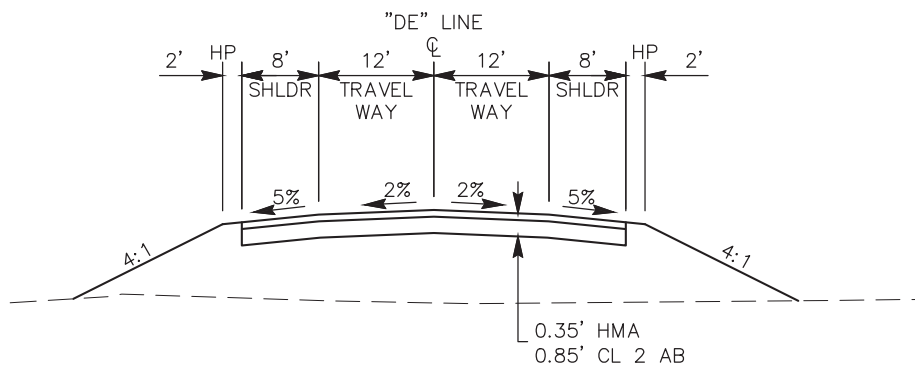
(NIGHT WORK)  
 SCALE: 1" = 50'

**SC-8**

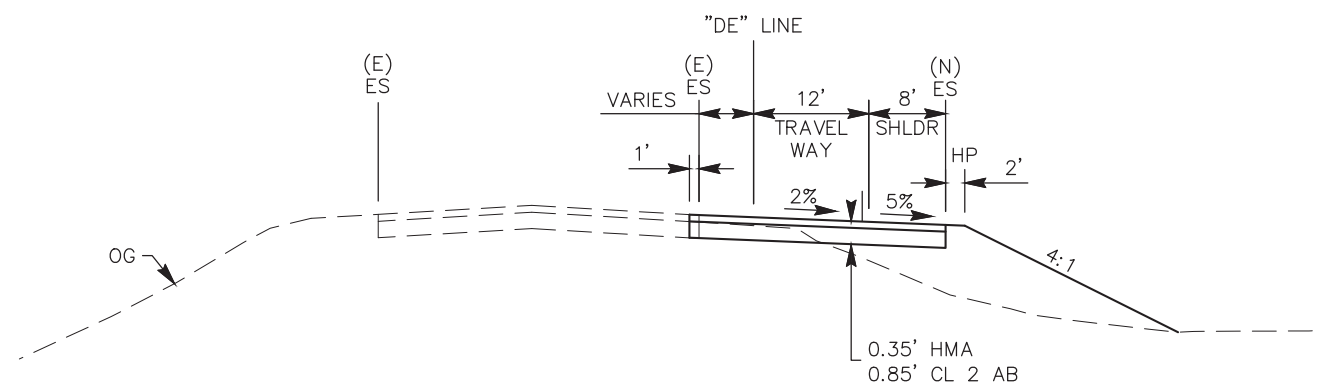
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT FUNCTIONAL SUPERVISOR: RICHARD P. WEBER, PE, LS  
 N. MILAM  
 REVISIONS: REVISION BY DATE REVISION BY DATE REVISION BY DATE

**NOTES:**

1. SEE "STAGE CONSTRUCTION" PLANS.
2. SEE "DETOUR" PLAN SHEET DE-1 FOR SECTION LOCATIONS.
3. FOR EXISTING STRUCTURAL SECTION OF ROUTE 1, SEE "TYPICAL SECTIONS" PLANS.



**TYPICAL SECTION A**



**TYPICAL SECTION B**

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
5	MON	1	71.9/72.3	.	x

REGISTERED CIVIL ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_

PLANS APPROVAL DATE \_\_\_\_\_

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 SALINAS, CA 93901

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 9699 BLUE LARKSPUR LANE, SUITE 105  
 MONTEREY, CALIFORNIA 93940

**DESIGN DESIGNATION:**

ADT (2017) = 12,200      D = 60%  
 DESIGN LIFE = 2 YR      T = 2%  
 DHV = 1300                  V = 35 mph  
 ESAL = 170,000            TI<sub>2</sub> = 7.5

**DRAFT 35% DESIGN  
 NOT FOR CONSTRUCTION  
 PLANS SUBJECT TO CHANGE**

**DETOUR TYPICAL SECTIONS**

SCALE: NONE

**DE-1**

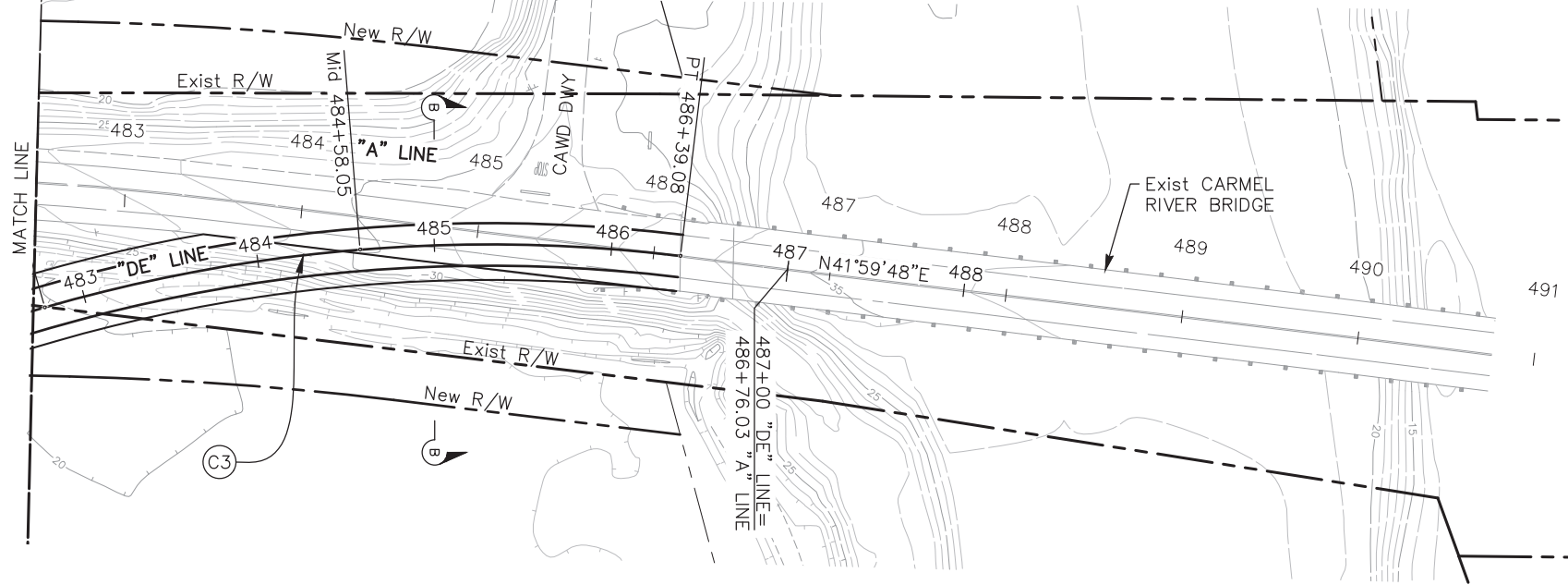
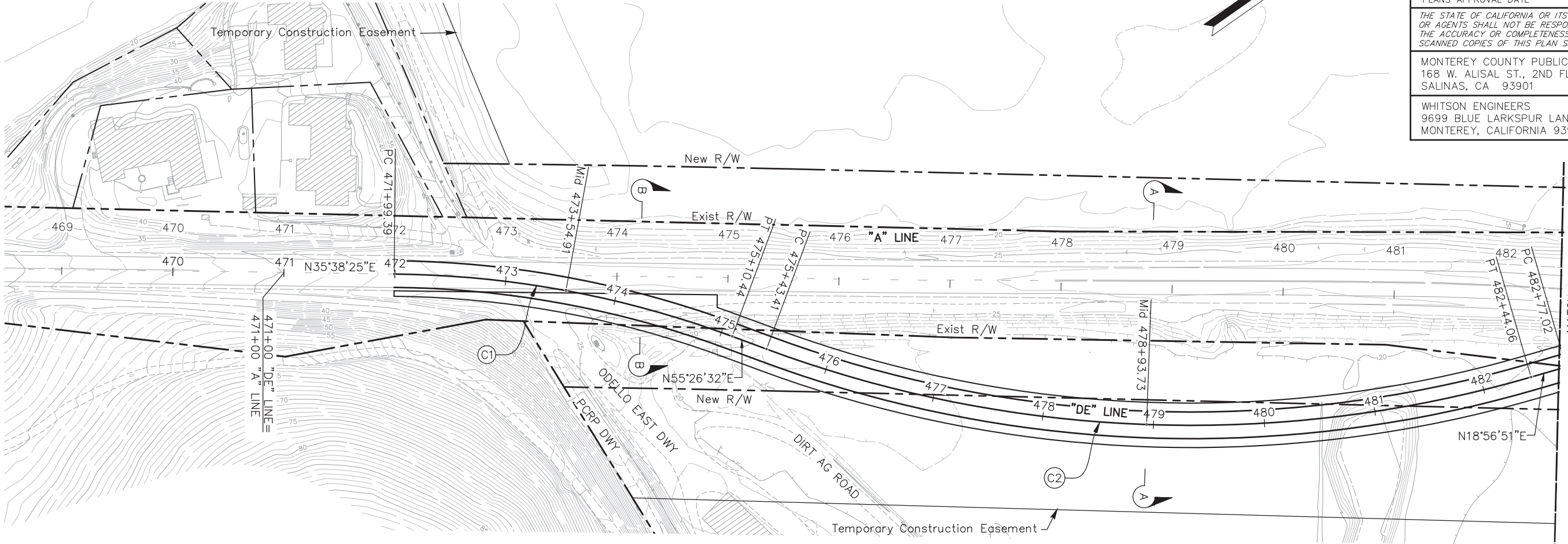
APPROVED FOR DETOUR CONSTRUCTION WORK ONLY

RELATIVE BORDER SCALE 0 1 2 3 UNIT: FEET

DATE PLOTTED => 01-May-2015  
 TIME PLOTTED => 17:01  
 LAST REVISION 5/1/2015

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT FUNCTIONAL SUPERVISOR  
 RICHARD P. WEBER, PE, LS  
 CALCULATED/DESIGNED BY  
 CHECKED BY  
 N. MILAM  
 REVISOR  
 DATE REVISOR  
 DATE REVISOR

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
5	MON	1	71.9/72.3	.	x
REGISTERED CIVIL ENGINEER _____ DATE _____					
PLANS APPROVAL DATE _____					
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WHITSON ENGINEERS 9699 BLUE LARKSPUR LANE, SUITE 105 MONTEREY, CALIFORNIA 93940					



CURVE TABLE			
CURVE	RADIUS	DELTA	LENGTH
C1	900.00	19°48'07"	311.05
C2	1100.00	36°29'41"	700.65
C3	900.00	23°02'57"	362.06

**DRAFT 35% DESIGN  
 NOT FOR CONSTRUCTION  
 PLANS SUBJECT TO CHANGE**

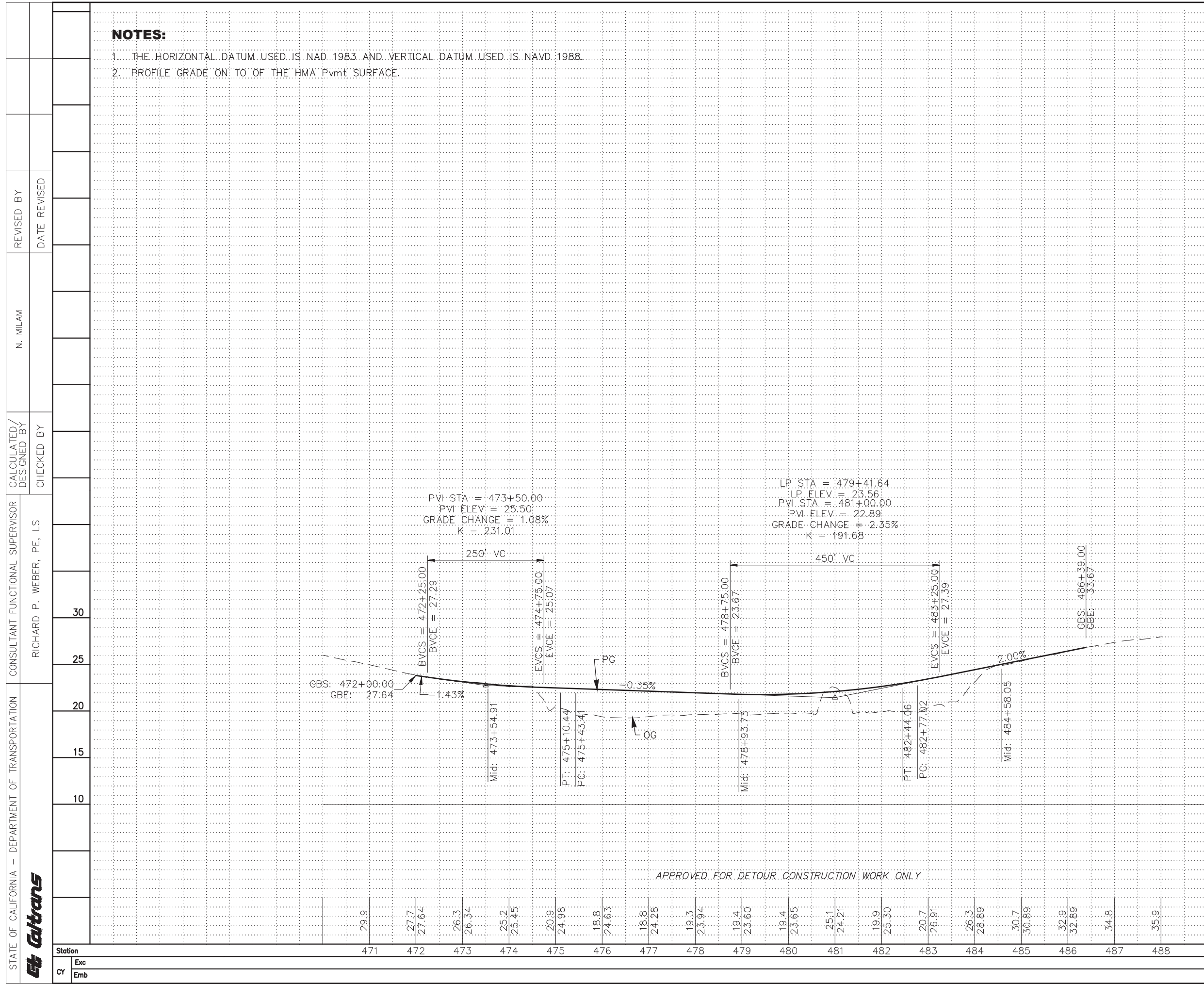
**DETOUR PLAN**

SCALE: 1" = 50'

APPROVED FOR DETOUR CONSTRUCTION WORK ONLY

**DE-2**

DATE PLOTTED => 01-May-2015  
 TIME PLOTTED => 17:02  
 LAST REVISION  
 5/1/2015



**NOTES:**

1. THE HORIZONTAL DATUM USED IS NAD 1983 AND VERTICAL DATUM USED IS NAVD 1988.
2. PROFILE GRADE ON TO OF THE HMA Pavement SURFACE.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
5	MON	1	71.9/72.3	.	x
REGISTERED CIVIL ENGINEER			DATE		
PLANS APPROVAL DATE					
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MONTEREY COUNTY PUBLIC WORKS DEPARTMENT 168 W. ALISAL ST., 2ND FLOOR SALINAS, CA 93901					
WHITSON ENGINEERS 9699 BLUE LARKSPUR LANE, SUITE 105 MONTEREY, CALIFORNIA 93940					

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION <b>Caltrans</b>	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	REVISOR	REVISION																													
	RICHARD P. WEBER, PE, LS	CHECKED BY	N. MILAM	DATE REVISION																													
Station	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488															
Exc	29.9	27.7	27.64	26.3	26.34	25.2	25.45	20.9	24.98	18.8	24.63	18.8	24.28	19.3	23.94	19.4	23.60	19.4	23.65	25.1	24.21	19.9	25.30	20.7	26.91	26.3	28.89	30.7	30.89	32.9	32.89	34.8	35.9
Emb																																	

**DRAFT 35% DESIGN  
NOT FOR CONSTRUCTION  
PLANS SUBJECT TO CHANGE**

**DETOUR PROFILE**  
SCALE: 1" = 100' HORIZ  
1" = 40' VERT

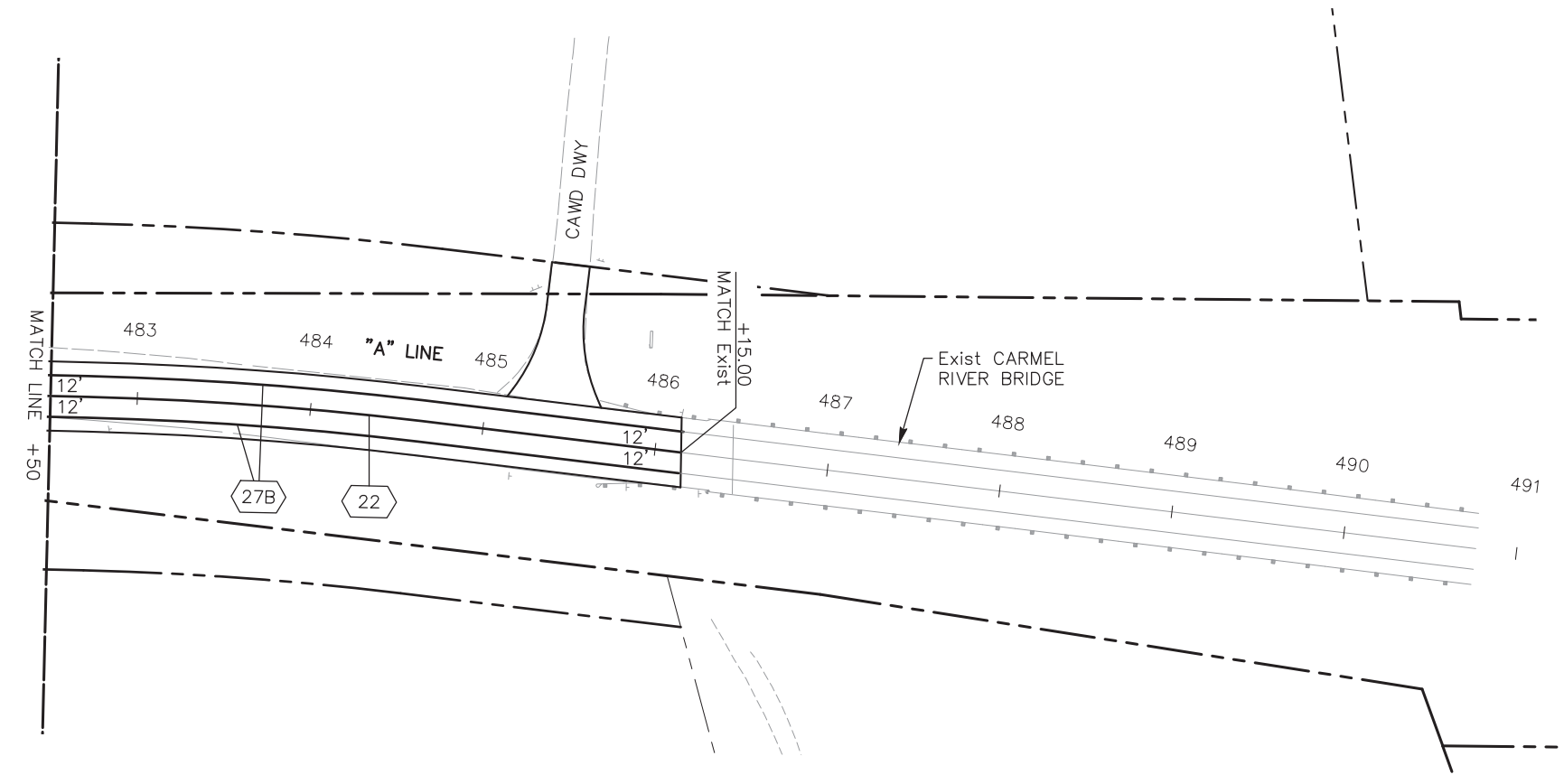
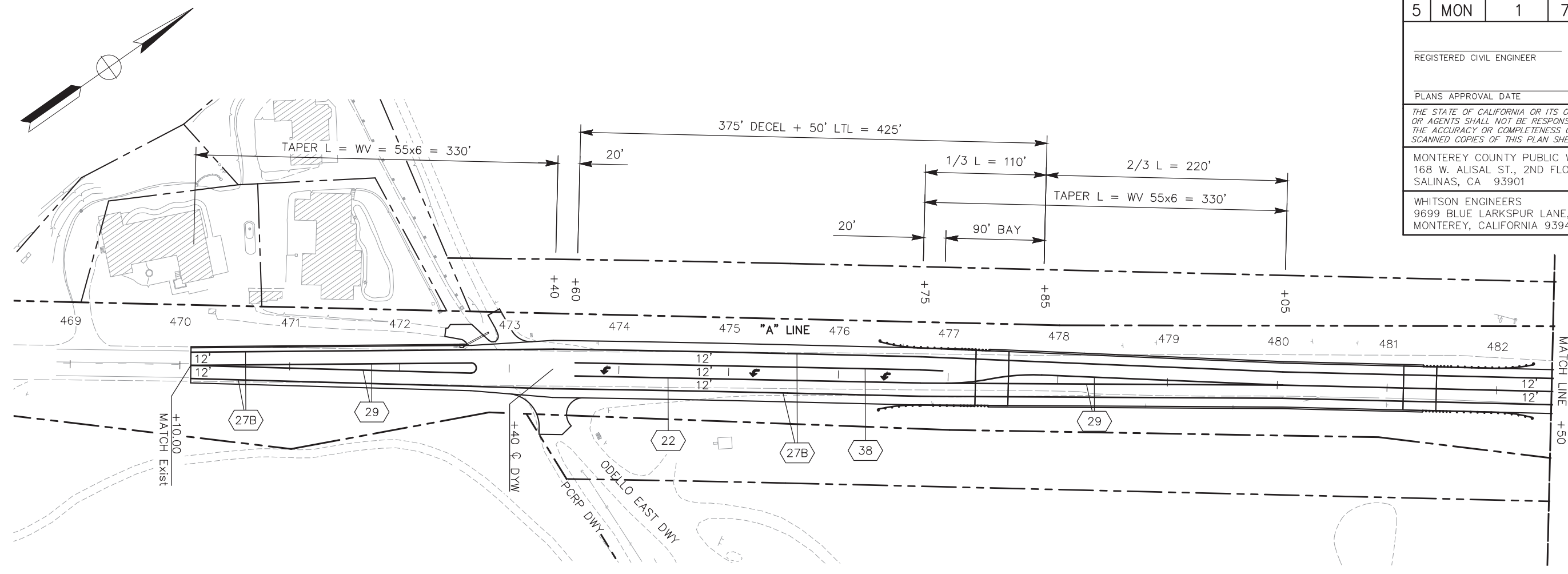
**DE-3**



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT FUNCTIONAL SUPERVISOR: RICHARD P. WEBER, PE, LS  
 N. MILAM  
 REVISIONS: N/A  
 DATE REVISION: N/A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
5	MON	1	71.9/72.3	.	x

REGISTERED CIVIL ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_  
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.  
 MONTEREY COUNTY PUBLIC WORKS DEPARTMENT  
 168 W. ALISAL ST., 2ND FLOOR  
 SALINAS, CA 93901  
 WHITSON ENGINEERS  
 9699 BLUE LARKSPUR LANE, SUITE 105  
 MONTEREY, CALIFORNIA 93940



**LEGEND**

- LIMIT OF STRIPING PATTERN
- CHANGE OF STRIPING PATTERN
- PAVEMENT DELINEATION DETAIL NUMBER
- OBJECT MARKER (TYPE L-1)
- HIGHWAY POST MARKER
- ROADSIDE SIGN NUMBER
- CALIFORNIA SIGN CODE
- REMOVE ROADSIDE SIGN

**NOTES:**

1. ALL EXISTING SIGNS NOT SHOWN FOR REMOVAL SHALL REMAIN IN PLACE.
2. ALL SIGN CODES SHOWN ARE FEDERAL SIGN CODES UNLESS OTHERWISE DESIGNATED AS CALIFORNIA SIGN CODES.

**DRAFT 35% DESIGN  
 NOT FOR CONSTRUCTION  
 PLANS SUBJECT TO CHANGE**

**PAVEMENT DELINEATION  
 AND SIGN PLAN**  
 SCALE: 1" = 50'

**PD-1**

DATE PLOTTED => 01-May-2015  
 TIME PLOTTED => 16:49  
 LAST REVISION 5/1/2015

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
5	MON	1	71.9/72.3	X	X

REGISTERED LANDSCAPE ARCHITECT DATE

PLANS APPROVAL DATE \_\_\_\_\_

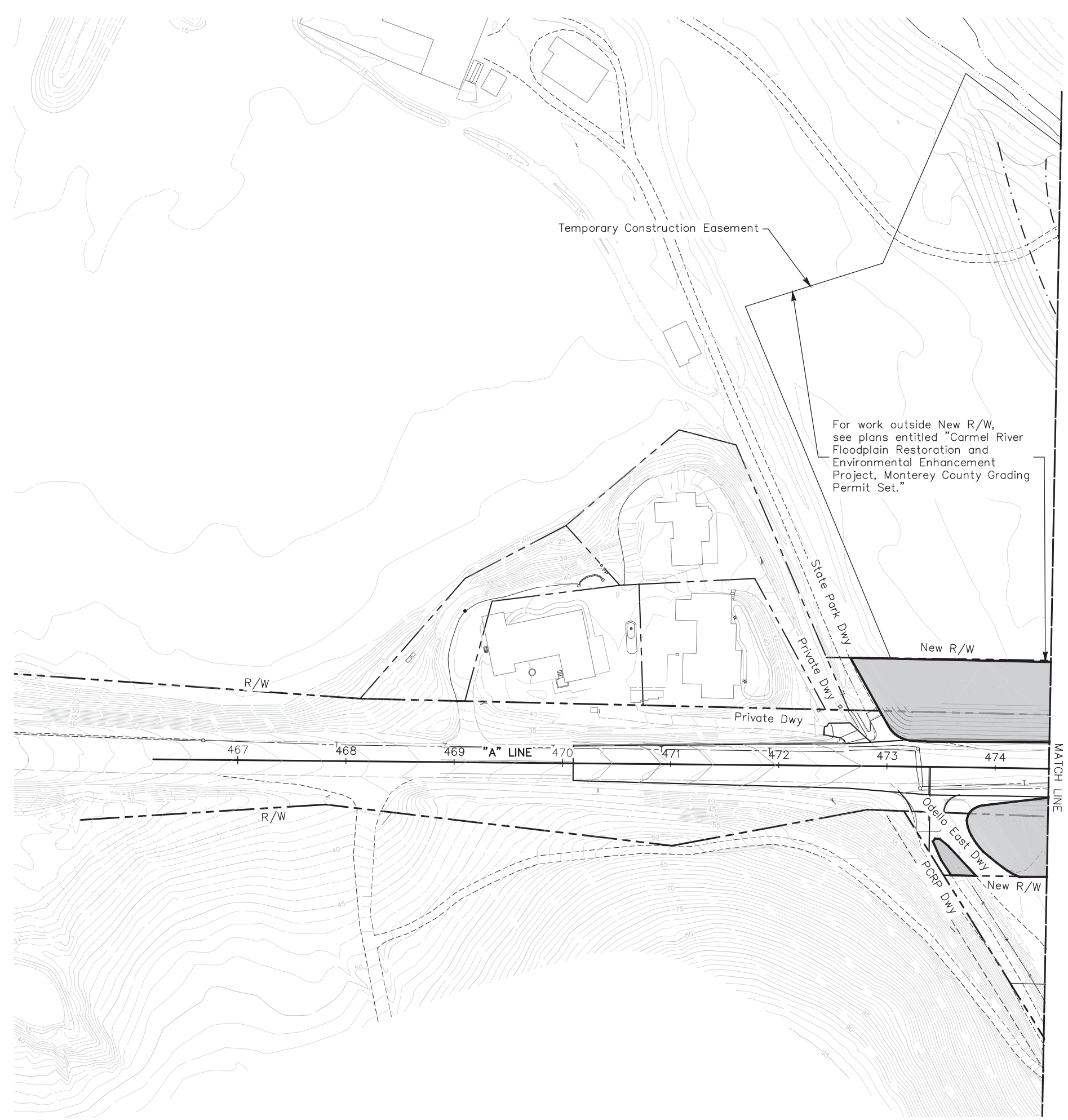
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BIG SUR LAND TRUST  
509 HARTNELL STREET  
MONTEREY, CA 93940

H.T. HARVEY & ASSOCIATES  
983 UNIVERSITY AVENUE  
LOS GATOS, CA 95032

LEGEND

GRASSLAND HABITAT/  
EROSION CONTROL SEED MIX



**PRELIMINARY  
NOT FOR CONSTRUCTION  
PLANS SUBJECT TO CHANGE**

**SEEDING**

SCALE: 1" = 50'

**S-1**

APR 28, 2015 - 10:50am  
G:\Active Projects\3422\_Carmel River Floodplain Restoration\3422-C3 Carmel\_Caltrans\_SEEDING\_2015.04.28.dwg

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

CONSULTANT FUNCTIONAL SUPERVISOR  
JOSEPH M. HOWARD

CALCULATED/  
DESIGNED BY  
C. Jensen

CHECKED BY

REVISOR BY  
DATE REVISED



BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES

0 1 2 3

DWG FILE => 3420-03 Carmel\_Caltrans\_SEEDING\_2015.04.28.dwg

CU EA

LAST REVISION  
DATE PLOTTED => 30-Apr-2015  
TIME PLOTTED => 10:50  
4/30/15

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 CONSULTANT FUNCTIONAL SUPERVISOR  
 JOSEPH M. HOWARD  
 C. Jensen  
 REVISIONS  
 REVISION NO. DATE REVISION BY

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
5	MON	1	71.9/72.3	X	X

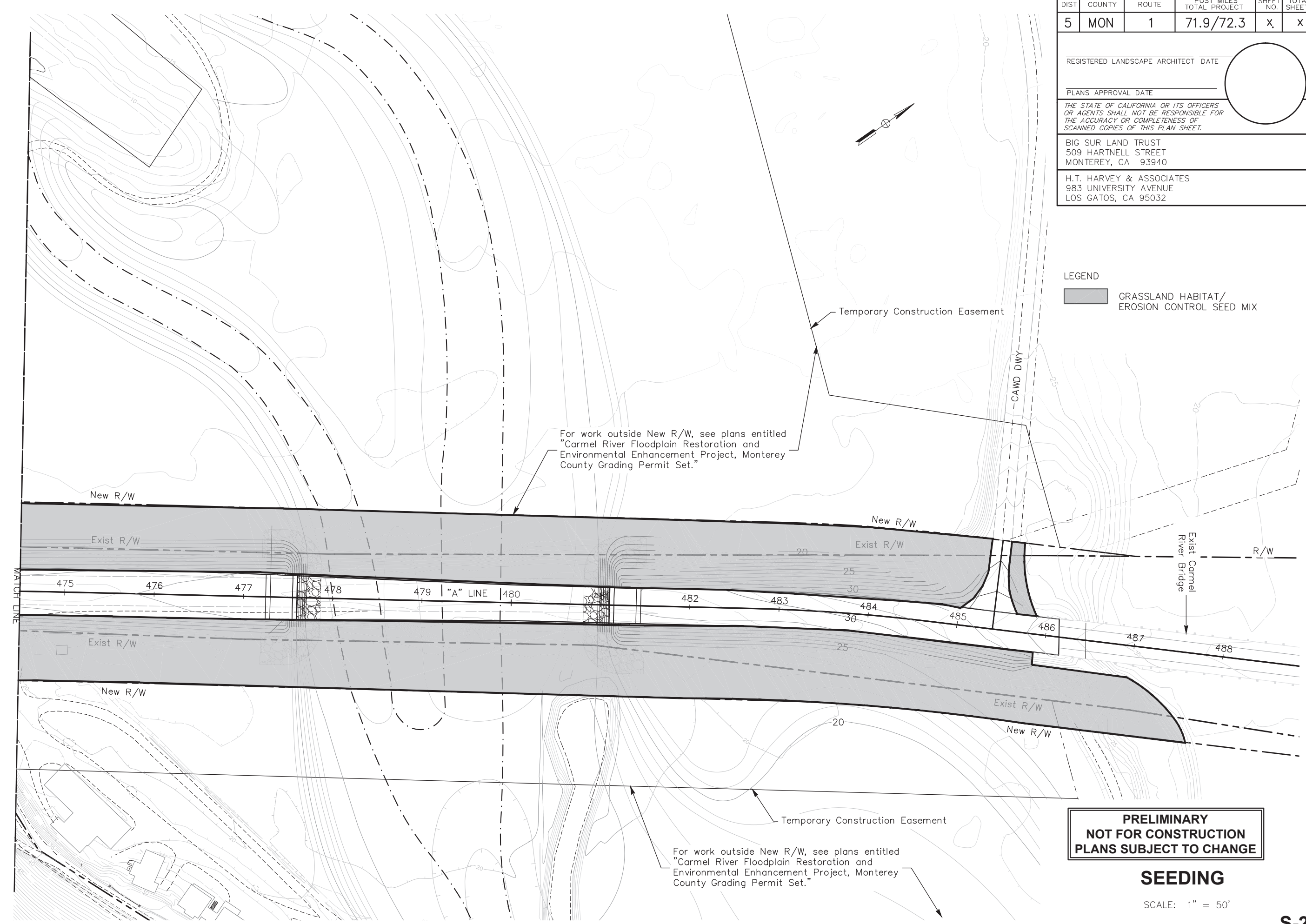
REGISTERED LANDSCAPE ARCHITECT DATE

PLANS APPROVAL DATE \_\_\_\_\_

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

BIG SUR LAND TRUST  
 509 HARTNELL STREET  
 MONTEREY, CA 93940

H.T. HARVEY & ASSOCIATES  
 983 UNIVERSITY AVENUE  
 LOS GATOS, CA 95032



For work outside New R/W, see plans entitled "Carmel River Floodplain Restoration and Environmental Enhancement Project, Monterey County Grading Permit Set."

For work outside New R/W, see plans entitled "Carmel River Floodplain Restoration and Environmental Enhancement Project, Monterey County Grading Permit Set."

LEGEND  
 GRASSLAND HABITAT/  
 EROSION CONTROL SEED MIX

**PRELIMINARY  
 NOT FOR CONSTRUCTION  
 PLANS SUBJECT TO CHANGE**

**SEEDING**  
 SCALE: 1" = 50'

**S-2**

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
05	MON	1	71.9/72.3	xxx	xxx

REGISTERED STRUCTURAL ENGINEER

PLANS APPROVAL DATE

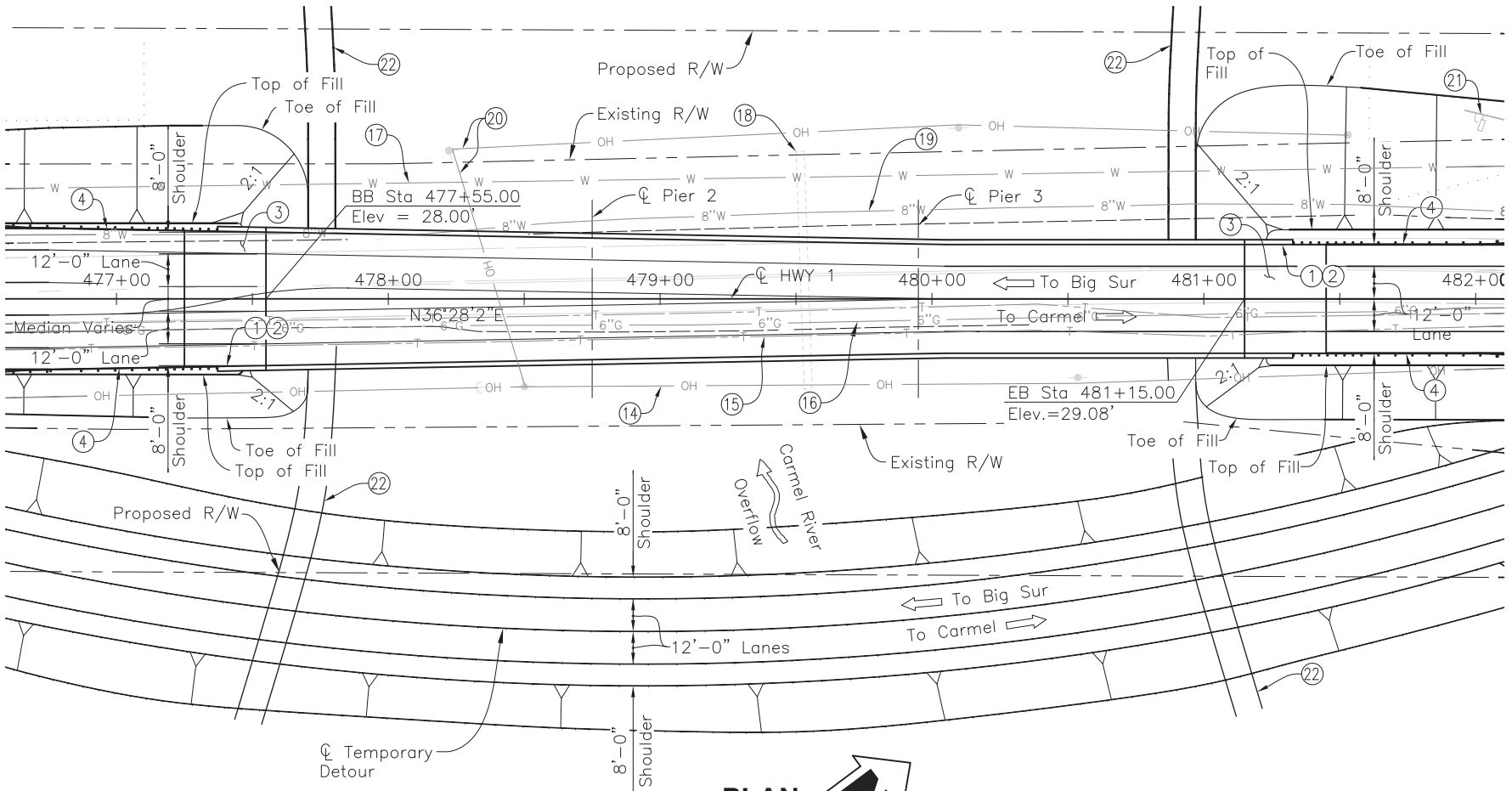
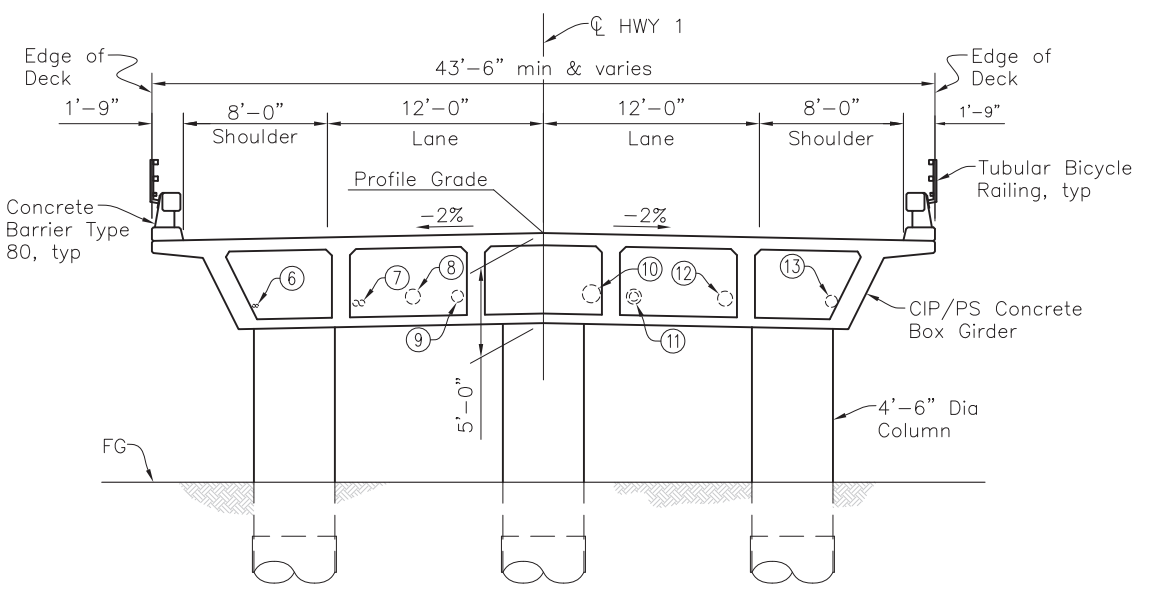
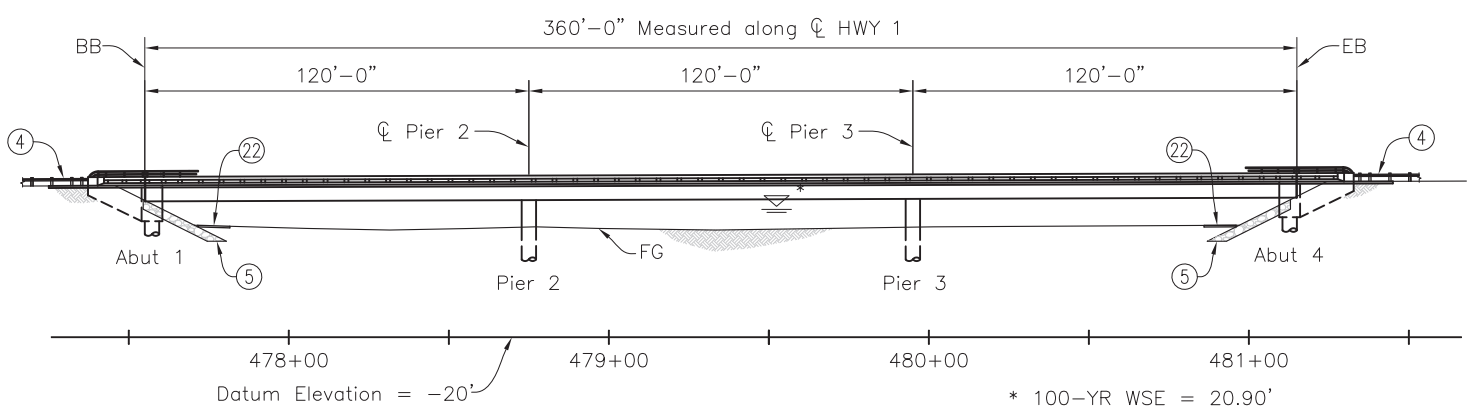
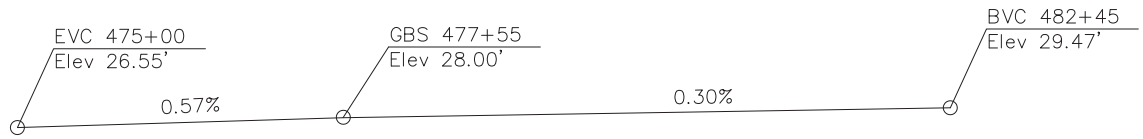
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CORNERSTONE STRUCTURAL ENGINEERING GROUP  
986 W. Alluvial Ave, Suite 201  
Fresno, California 93711  
(559)320-3200

MONTEREY COUNTY PUBLIC WORKS  
168 W. Alisal St, 2nd Floor  
Salinas, California 93901



Support Location	Assumed Pile Type
Abut 1	56" Dia CISS Pile
Pier 2	56" Dia CISS Pile
Pier 3	56" Dia CISS Pile
Abut 4	56" Dia CISS Pile



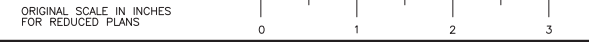
LEGEND:

- ① Point "Br. No. XX-XXXX"
  - ② Paint "Carmel River Overflow Bridge"
  - ③ Structure Approach, see STRUCTURE APPROACH SLAB DETAILS sheet
  - ④ MBGR, see Road Plans
  - ⑤ Rock Slope Protection, see Road Plans
  - ⑥ 2-2" Dia Electrical Conduits (Caltrans)
  - ⑦ 2-4" Dia Cable Conduits (Comcast)
  - ⑧ 1-10" Dia Future Utility Casing
  - ⑨ 1-8" Dia Water Line (Cal Am)
  - ⑩ 1-12" Dia Telephone Conduit (AT&T)
  - ⑪ 1-6" Dia Gas Line in 10" Dia Steel Casing (PG&E)
  - ⑫ 1-10" Dia Fiber Optic Conduit (AT&T)
  - ⑬ 1-8" Dia Electric Conduit (PG&E)
  - ⑭ Existing Overhead 12kV Electric (PG&E) and Cable TV Lines (Comcast) to be undergrounded
  - ⑮ Existing Underground Telecomm. Duct Bank to be relocated (AT&T)
  - ⑯ Existing Underground 6" Dia High Pressure Gas Line to be relocated (PG&E)
  - ⑰ Abandoned 8" Dia Steel Water Main to be removed
  - ⑱ Existing 36" Dia CMP Culvert (Caltrans) to be removed
  - ⑲ Existing 8" Dia Underground Water Line to be relocated (Cal Am)
  - ⑳ Existing Overhead Electric Line (PG&E) to be undergrounded
  - ㉑ Existing Underground Well to remain in place (California State Parks)
  - ㉒ Dirt Trail / Maintenance Access, see Road Plans
- ← Indicates direction of traffic
- B0-3  
3-1 Indicates Caltrans standard plan sheet no.
- A  
S5 Indicates detail no.
- 1  
S5 Indicates sheet no. shown on

PRELIMINARY - NOT FOR CONSTRUCTION

DESIGN OVERSIGHT	DESIGN BY Narciso R. Zermeno	CHECKED	LRFD	LIVE LOADING: "LOAD & RESISTANCE FACTOR DESIGN", & "HL93 W/ 'LOW BOY' & PERMIT DESIGN VEHICLE"	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
SIGN OFF DATE	DETAILS BY Narciso R. Zermeno	CHECKED	LAYOUT BY Shawn M. Cullers	CHECKED	PROJECT ENGINEER Shawn M. Cullers
Rev. Date: 11-13-07	QUANTITIES BY Narciso R. Zermeno	CHECKED	SPECIFICATIONS BY Shawn M. Cullers	PLANS AND SPECS COMPARED	BRIDGE NO. xx-xxxx

PROJECT ID 05 xxxx xxxx		CARMEL RIVER OVERFLOW BRIDGE	
DISREGARD PRINTS BEARING EARLIER REVISION DATES		GENERAL PLAN - ALTERNATIVE 1	
REVISION DATES	SHEET	OF	XX



DATE PLOTTED => 5/17/2015 TIME PLOTTED => 2:02:53 PM USERNAME => BobbyZ

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
05	MON	1	71.9/72.3	xxx	xxx

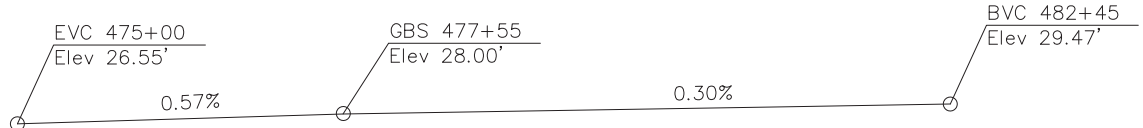
REGISTERED STRUCTURAL ENGINEER

PLANS APPROVAL DATE

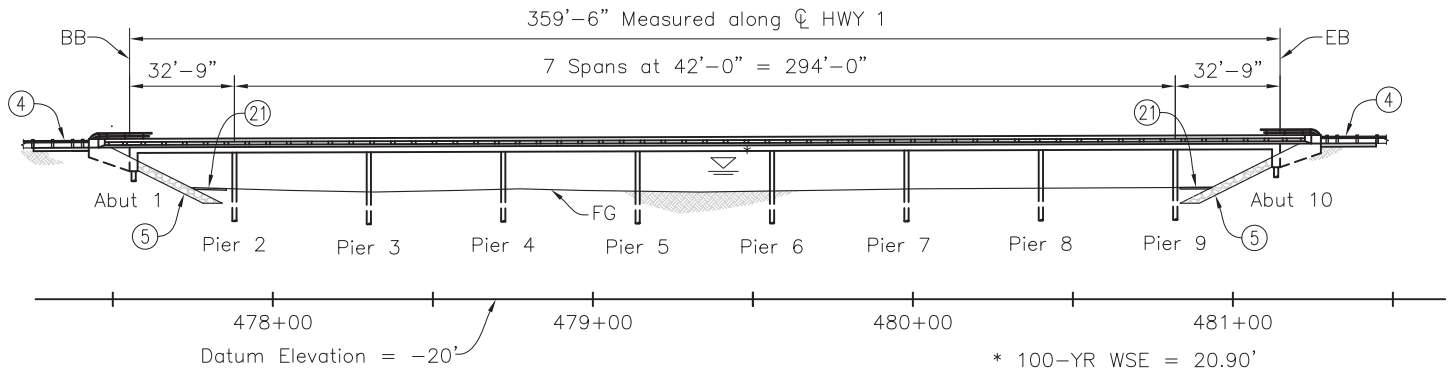
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Fresno, California 93711  
(559)320-3200

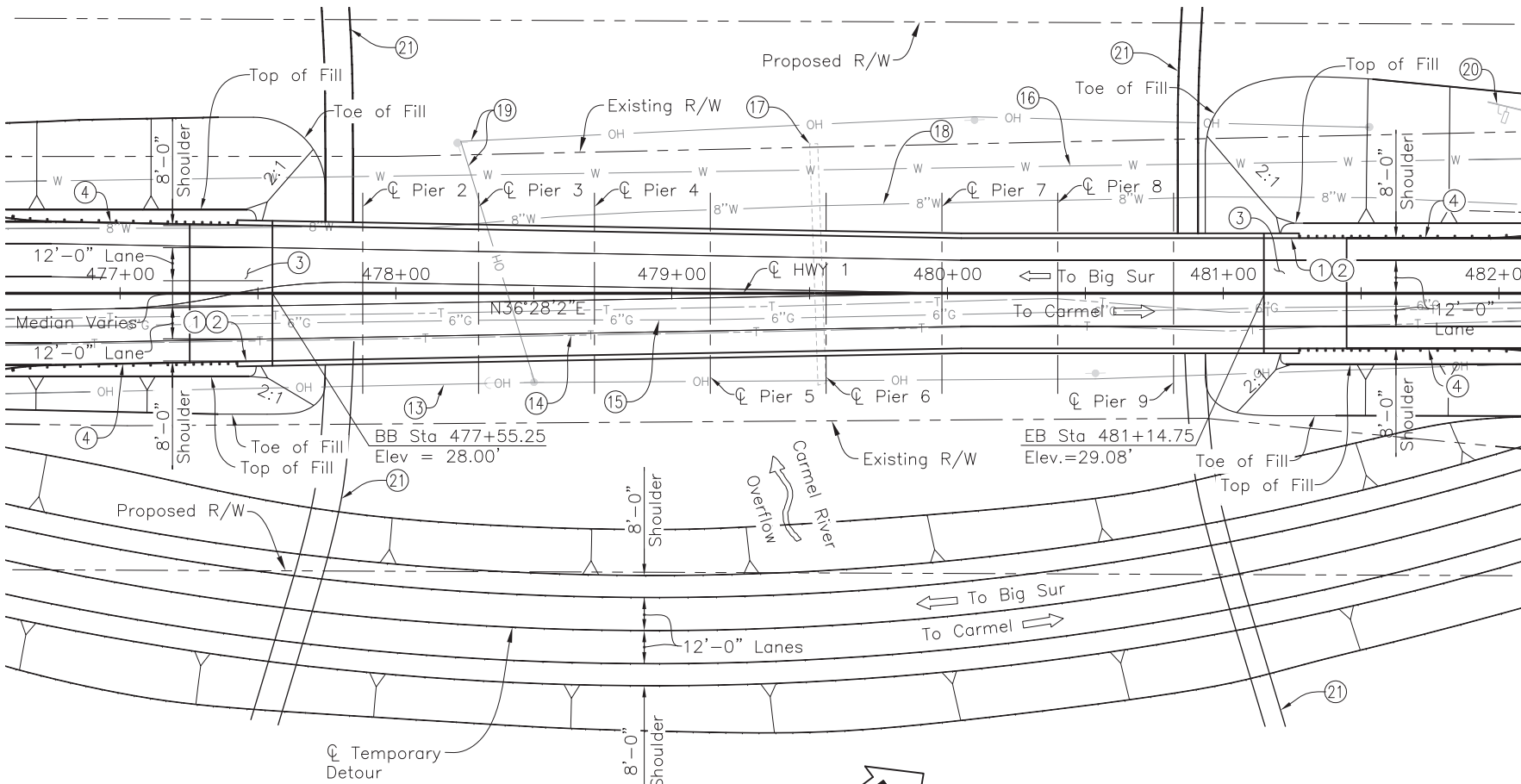
MONTEREY COUNTY PUBLIC WORKS  
168 W. Alisal St, 2nd Floor  
Salinas, California 93901



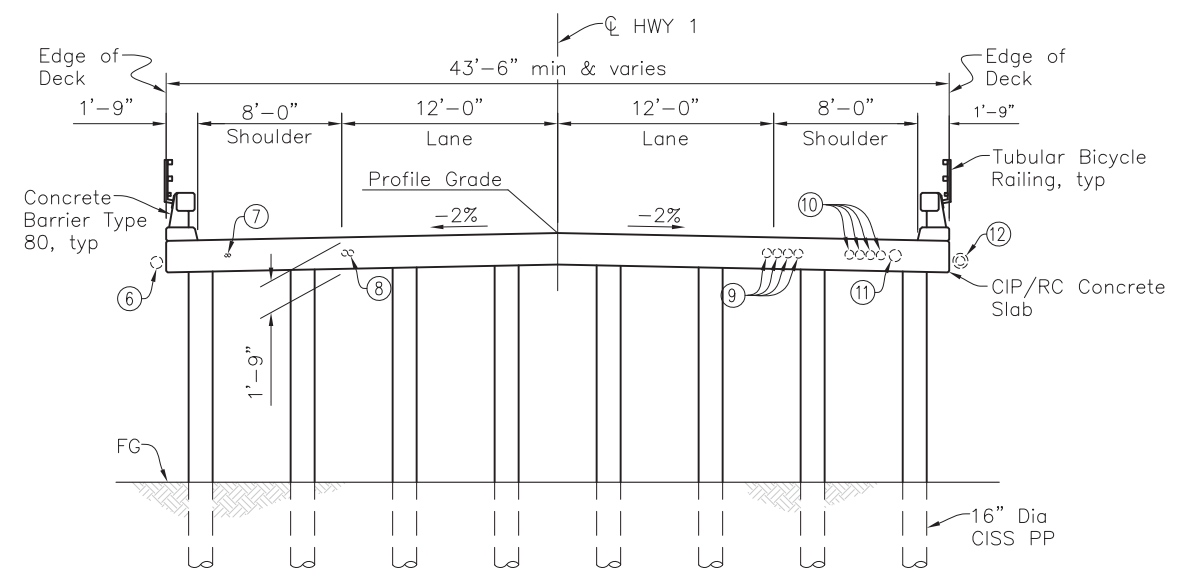
**PROFILE GRADE**  
NO SCALE



**ELEVATION**  
1"=30'-0"



**PLAN**  
1"=30'-0"



**TYPICAL SECTION**  
3/16"=1'-0"

**LEGEND:**

- ① Point "Br. No. XX-XXXX"
  - ② Paint "Carmel River Overflow Bridge"
  - ③ Structure Approach, see STRUCTURE APPROACH SLAB DETAILS sheet
  - ④ MBGR, see Road Plans
  - ⑤ Rock Slope Protection, see Road Plans
  - ⑥ 1-8" Dia Water Line (Cal Am)
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  - ⑫ 1-6" Dia Gas Line in 10" Dia Steel Casing (PG&E)
  - ⑬ Existing Overhead 12kV Electric (PG&E) and Cable TV Lines (Comcast) to be underground
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  - ⑲ Existing Overhead Electric Line (PG&E) to
  - ⑳ Existing Underground Well to remain in place (California State Parks)
  - ㉑ Dirt Trail / Maintenance Access, see Road Plans
- ← Indicates direction of traffic
- ⓑ0-3  
3-1 Indicates Caltrans standard plan sheet no.
- ⓐ Indicates section letter
- Ⓢ5 Indicates sheet no. shown on
- ①  
S5 Indicates detail no.
- Ⓢ5 Indicates sheet no. shown on

**PRELIMINARY - NOT FOR CONSTRUCTION**

DESIGN OVERSIGHT	DESIGN BY Narciso R. Zermeno	CHECKED Robin Dansby	LRFD	LIVE LOADING: "LOAD & RESISTANCE FACTOR DESIGN", & "HL93 W/ 'LOW BOY' & PERMIT DESIGN VEHICLE"	PREPARED FOR THE <b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION
SIGN OFF DATE	DETAILS BY Narciso R. Zermeno	CHECKED Robin Dansby	LAYOUT	BY Shawn M. Cullers	PROJECT ENGINEER Shawn M. Cullers
Rev. Date: 11-13-07	QUANTITIES BY Narciso R. Zermeno	CHECKED Scott Hamm	SPECIFICATIONS	BY Shawn M. Cullers	BRIDGE NO. xx-xxxx POST MILE 71.9

<b>CARMEL RIVER OVERFLOW BRIDGE</b>		<b>GENERAL PLAN - ALTERNATIVE 2</b>	
CU xx-xxxx	PROJECT ID 05 xxxx xxxx	REVISION DATES	SHEET OF XX
EA xxxxxx	DISREGARD PRINTS BEARING EARLIER REVISION DATES		

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

DATE PLOTTED => 4/29/2015 11:59:23 AM USERNAME => BobbyZ