

INDEX OF PLANS

SHEET No.	DESCRIPTION
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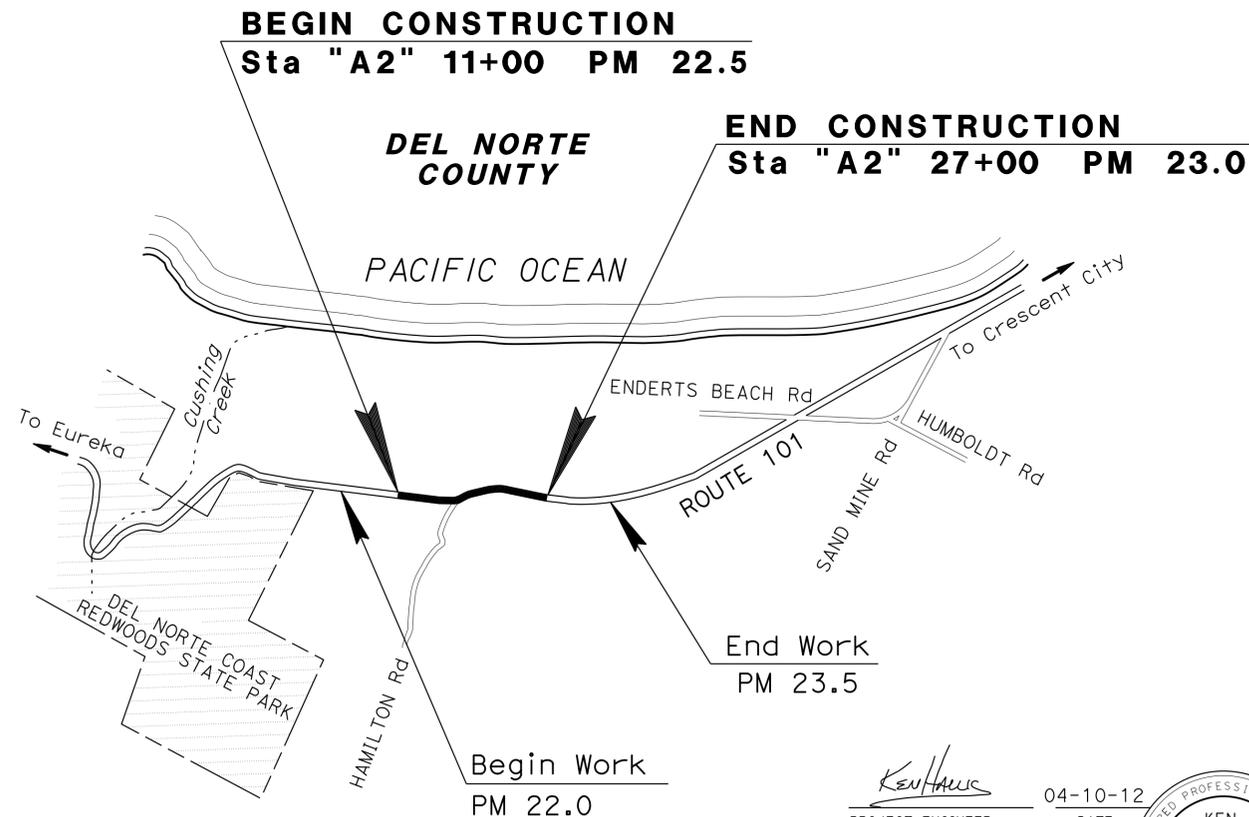
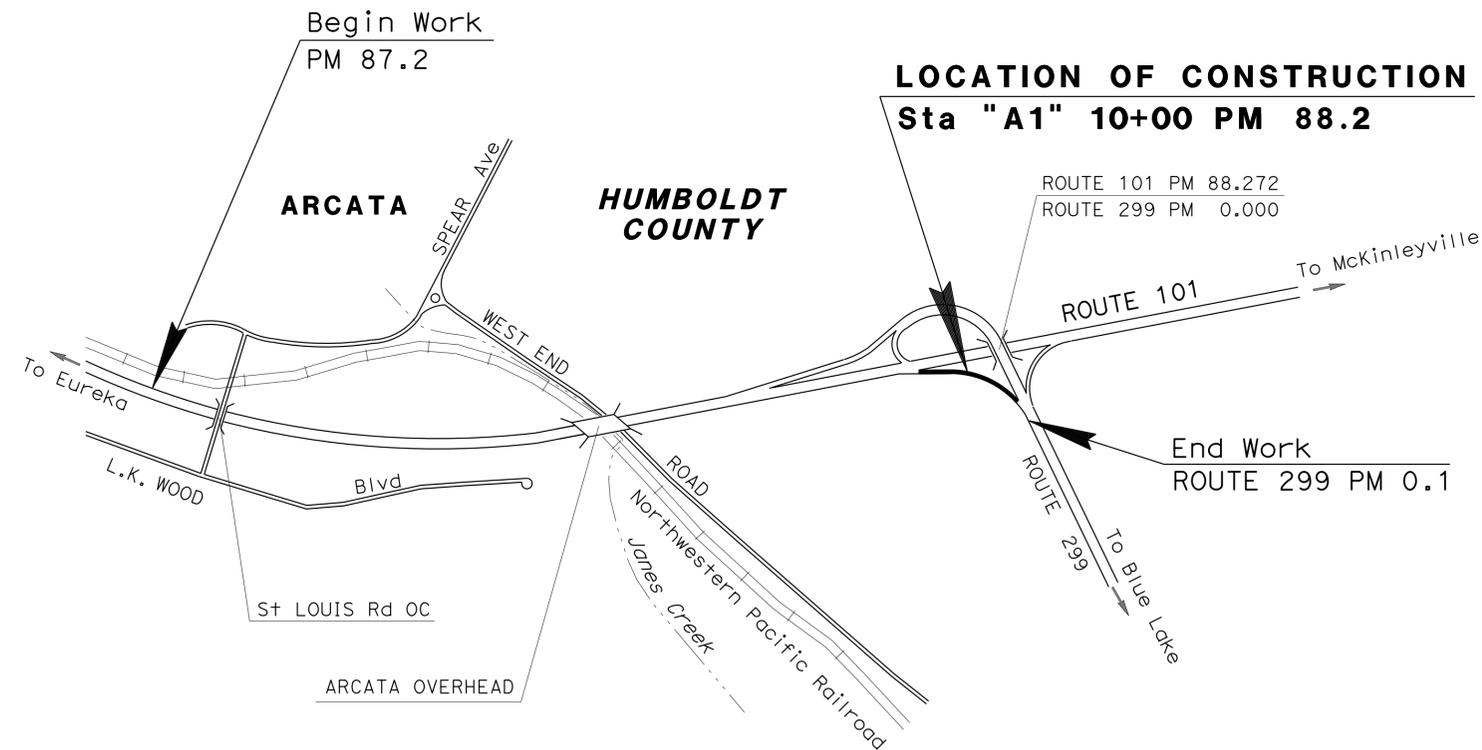
THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

STATE OF CALIFORNIA **ACHSNH-000C(352)E**  
**DEPARTMENT OF TRANSPORTATION**  
**PROJECT PLANS FOR CONSTRUCTION ON**  
**STATE HIGHWAY**  
**IN HUMBOLDT AND DEL NORTE COUNTIES**  
**AT ROUTE 299 AND FROM 0.2 MILE SOUTH**  
**TO 0.3 MILE NORTH OF HAMILTON ROAD**

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	DN, Hum	101	22.5/23.0, 88.2	1	14

LOCATION MAP



PROJECT MANAGER  
**KEVIN CHURCH**  
 DESIGN ENGINEER  
**AL TRUJILLO**

**LOCATION 1**

**LOCATION 2**

PROJECT ENGINEER  
 REGISTERED CIVIL ENGINEER  
 DATE 04-10-12  
**April 10, 2012**  
 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.



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

NO SCALE

CONTRACT No.	<b>01-0B63U4</b>
PROJECT ID	<b>0112000212</b>



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

**NOTES:**

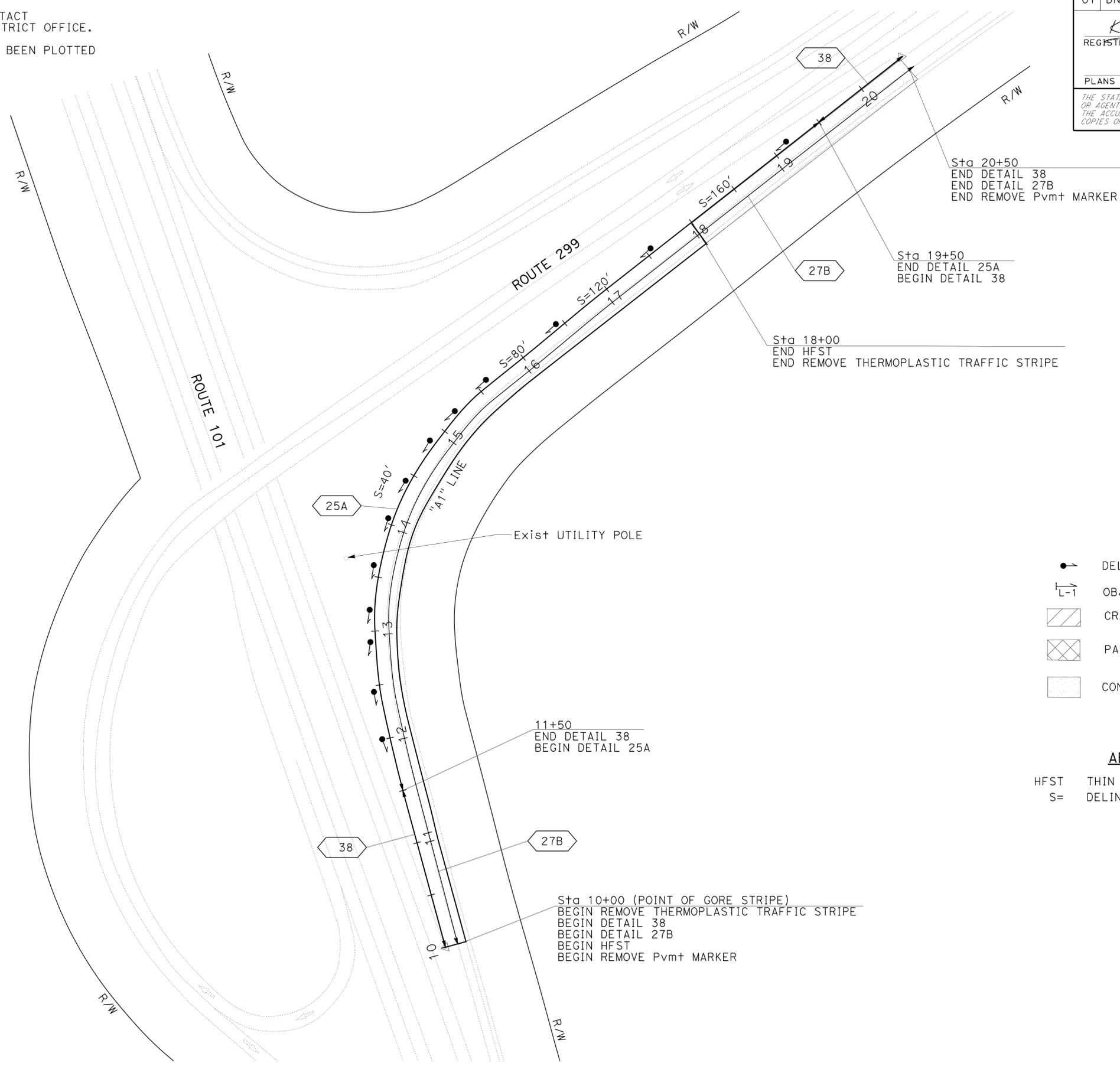
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	DN, Hum	101	22.5/23.0 88.2	3	14

04-10-12  
 REGISTERED CIVIL ENGINEER DATE  
 04-10-12  
 PLANS APPROVAL DATE

KEN HALLIS  
 No. C38203  
 Exp. 3-31-13  
 CIVIL

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**LEGEND:**

- DELINEATOR (TYPE G) (CLASS 1)
- OBJECT MARKER (TYPE L)
- CRACK TREATMENT
- PAVING CONFORM AREA
- CONTRACTOR STAGING AREA

**ABBREVIATIONS:**

- HFST THIN HIGH FRICTION SURFACE TREATMENT
- S= DELINEATOR SPACING

**(LOCATION 1)**

**LAYOUT**

SCALE: 1" = 50'

**L-1**





Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	DN, Hum	101	22.5/23.0 88.2	6	14

Ken Hallis 04-10-12  
 REGISTERED CIVIL ENGINEER DATE  
 04-10-12  
 PLANS APPROVAL DATE  
 No. C38203  
 Exp. 3-31-13  
 CIVIL  
 STATE OF CALIFORNIA

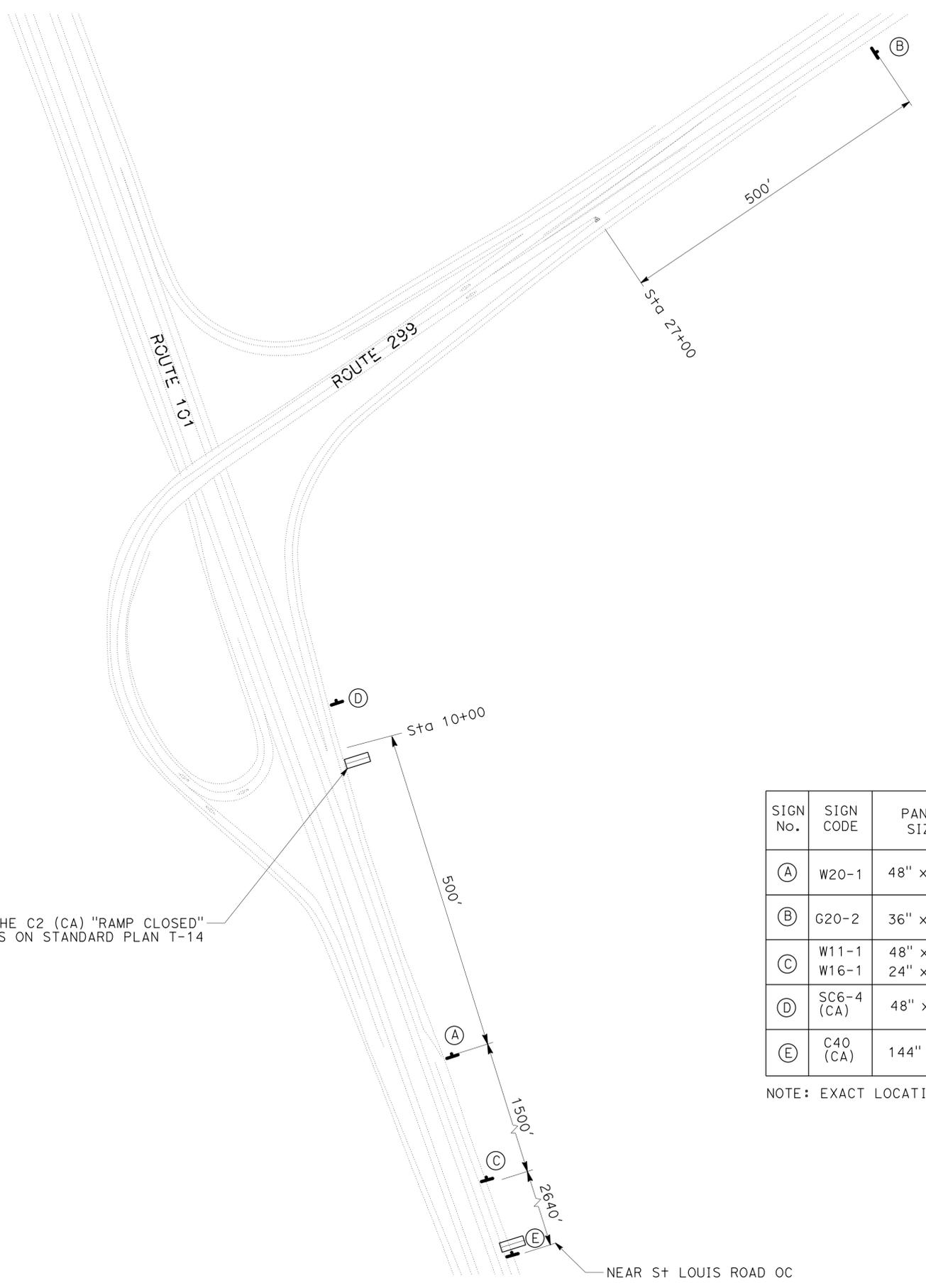
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**LEGEND:**

-  PORTABLE CHANGEABLE MESSAGE SIGN
-  WOOD SIGN (1-POST)
-  WOOD SIGN (2-POST)

**ABBREVIATIONS:**

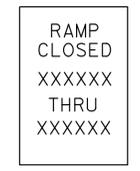
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN



W11-1



W16-1



SC6-4(CA)



PCMS MESSAGE

**CONSTRUCTION AREA SIGNS (STATIONARY MOUNTED)**

SIGN No.	SIGN CODE	PANEL SIZE	SIGN MESSAGE	SIZE OF POSTS	No. OF SIGNS	No. OF POSTS
(A)	W20-1	48" x 48"	ROAD WORK AHEAD	4" x 6"	1	1
(B)	G20-2	36" x 18"	END ROAD WORK	4" x 6"	1	1
(C)	W11-1 W16-1	48" x 48" 24" x 36"	BICYCLE SYMBOL SHARE THE ROAD	6" x 6"	1	1
(D)	SC6-4 (CA)	48" x 48"	RAMP CLOSED (DATES)	4" x 6"	1	1
(E)	C40 (CA)	144" x 60"	TRAFFIC FINES DOUBLED IN CONSTRUCTION ZONES	4" x 6"	1	2

NOTE: EXACT LOCATION OF ALL SIGNS TO BE DETERMINED BY THE ENGINEER.

PCMS TO BE USED IN PLACE OF THE C2 (CA) "RAMP CLOSED" AND C38 (CA) "USE NEXT EXIT" SIGNS ON STANDARD PLAN T-14

**(LOCATION 1)  
CONSTRUCTION AREA SIGNS**

SCALE: 1" = 100'

**CS-1**

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

P:\proj\11\01\0b63u\plans\pse\10b63u1a001.dgn  
 STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 DESIGN  
 AL TRUJILLO  
 FUNCTIONAL SUPERVISOR  
 RYAN PRINS  
 REVISOR  
 KEN HALLIS  
 DATE  
 REVISIONS

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	DN, Hum	101	22.5/23.0 88.2	7	14

REGISTERED CIVIL ENGINEER: *Ken Hallis* 04-10-12  
 DATE: 04-10-12  
 PLANS APPROVAL DATE: 04-10-12

REGISTERED PROFESSIONAL ENGINEER  
**KEN HALLIS**  
 No. C38203  
 Exp. 3-31-13  
 CIVIL  
 STATE OF CALIFORNIA

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### CONSTRUCTION AREA SIGNS (STATIONARY MOUNTED)

SIGN No.	SIGN CODE	PANEL SIZE	SIGN MESSAGE	SIZE OF POSTS	No. OF SIGNS	No. OF POSTS
(A)	W20-1	48" x 48"	ROAD WORK AHEAD	4" x 6"	3	1
(B)	G20-2	36" x 18"	END ROAD WORK	4" x 6"	3	1
(C)	W11-1 W16-1	36" x 36" 24" x 36"	BICYCLES SHARE THE ROAD	4" x 6"	2	1
(D)	C40 (CA)	144" x 60"	TRAFFIC FINES DOUBLED IN CONSTRUCTION AREA	4" x 6"	1	2

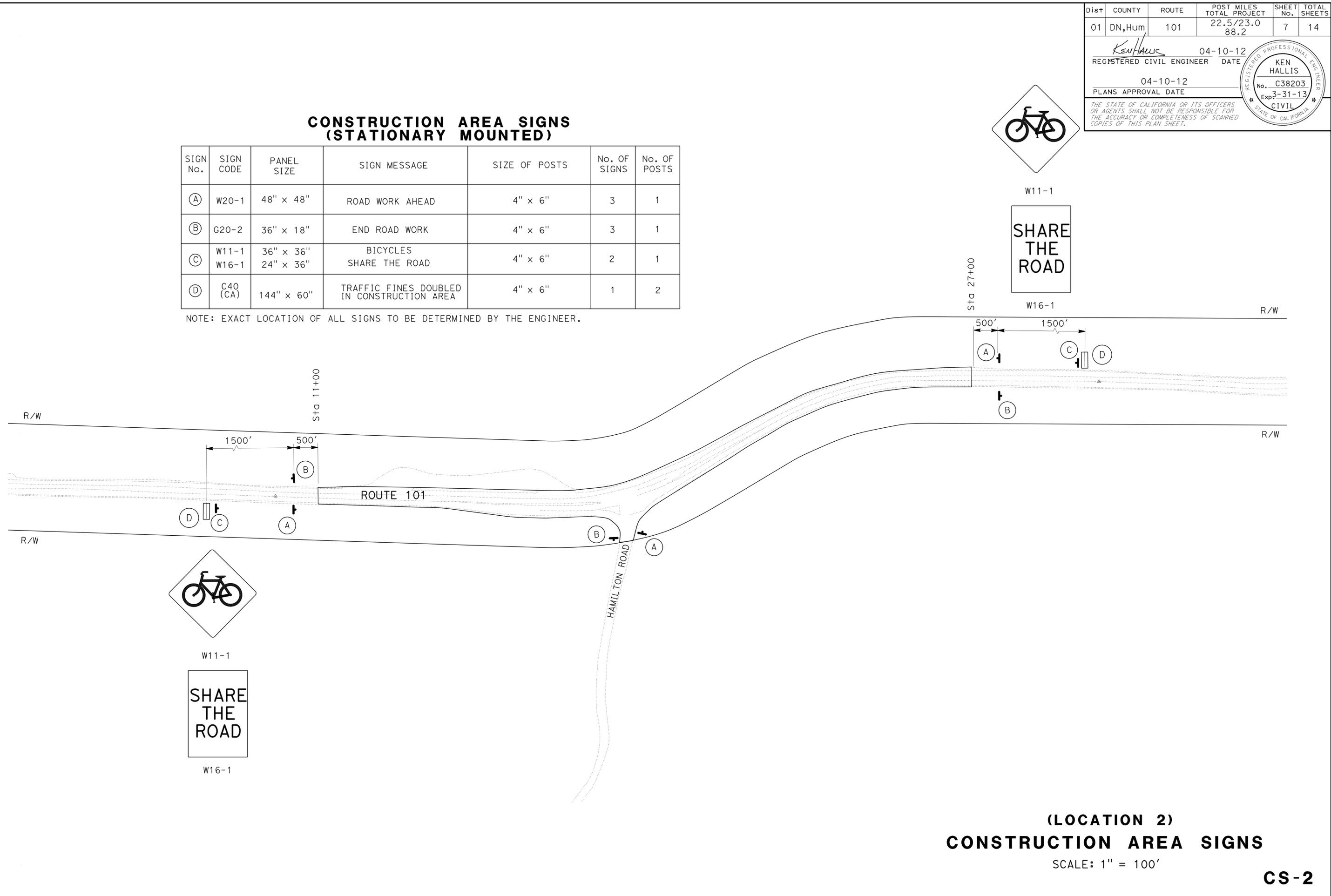
NOTE: EXACT LOCATION OF ALL SIGNS TO BE DETERMINED BY THE ENGINEER.



W11-1



W16-1



### (LOCATION 2) CONSTRUCTION AREA SIGNS

SCALE: 1" = 100'

CS-2

P:\proj\11\01\0663u\plans\pse\10663u\002.dgn  
 STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 DESIGN  
 FUNCTIONAL SUPERVISOR: AL TRUJILLO  
 CHECKED BY: KEN HALLIS  
 REVISIONS: RYAN PRINS, KEN HALLIS

LAST REVISION: 04-10-12  
 DATE PLOTTED: 23-MAY-2012  
 TIME PLOTTED: 14:04

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

BORDER LAST REVISED 7/2/2010

USERNAME => s115152  
 DGN FILE => 10b63umg001.dgn

RELATIVE BORDER SCALE IS IN INCHES

UNIT 0316

PROJECT NUMBER & PHASE 01120002121

EA: 01-0B63U1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	DN, Hum	101	22.5/23.0 88.2	8	14

REGISTERED CIVIL ENGINEER: **KEN HALLIS** (Signature)  
 DATE: 04-10-12  
 PLANS APPROVAL DATE: 04-10-12  
 No. C38203  
 Exp. 3-31-13  
 CIVIL  
 STATE OF CALIFORNIA

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.

**LEGEND:**  
 → DETOUR  
 † BARRICADE

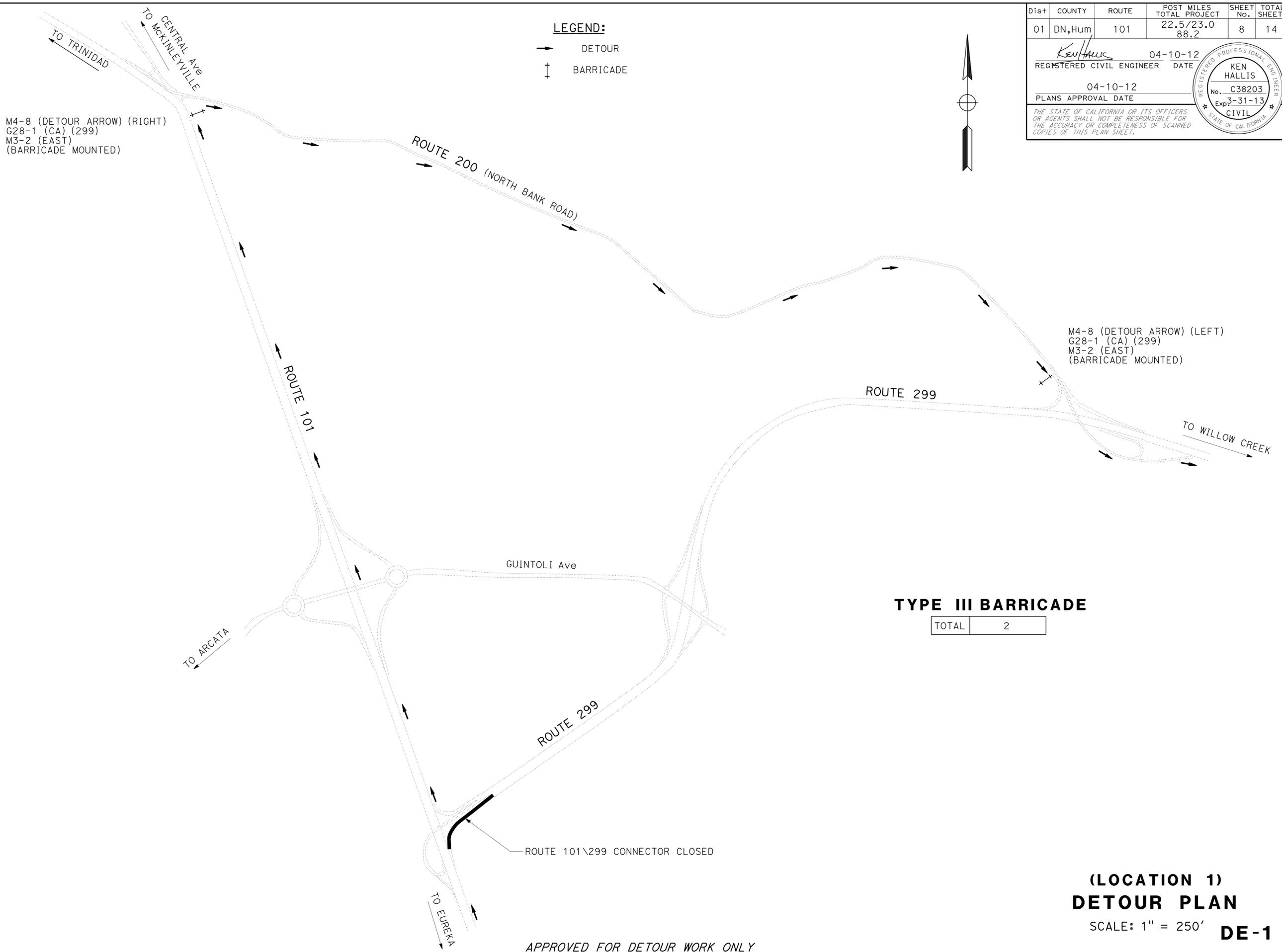


M4-8 (DETOUR ARROW) (RIGHT)  
 G28-1 (CA) (299)  
 M3-2 (EAST)  
 (BARRICADE MOUNTED)

M4-8 (DETOUR ARROW) (LEFT)  
 G28-1 (CA) (299)  
 M3-2 (EAST)  
 (BARRICADE MOUNTED)

**TYPE III BARRICADE**

TOTAL	2
-------	---



ROUTE 101\299 CONNECTOR CLOSED

APPROVED FOR DETOUR WORK ONLY

**(LOCATION 1)  
 DETOUR PLAN**  
 SCALE: 1" = 250'  
**DE-1**

LAST REVISION: DATE PLOTTED => 23-MAY-2012  
 04-10-12 TIME PLOTTED => 14:04

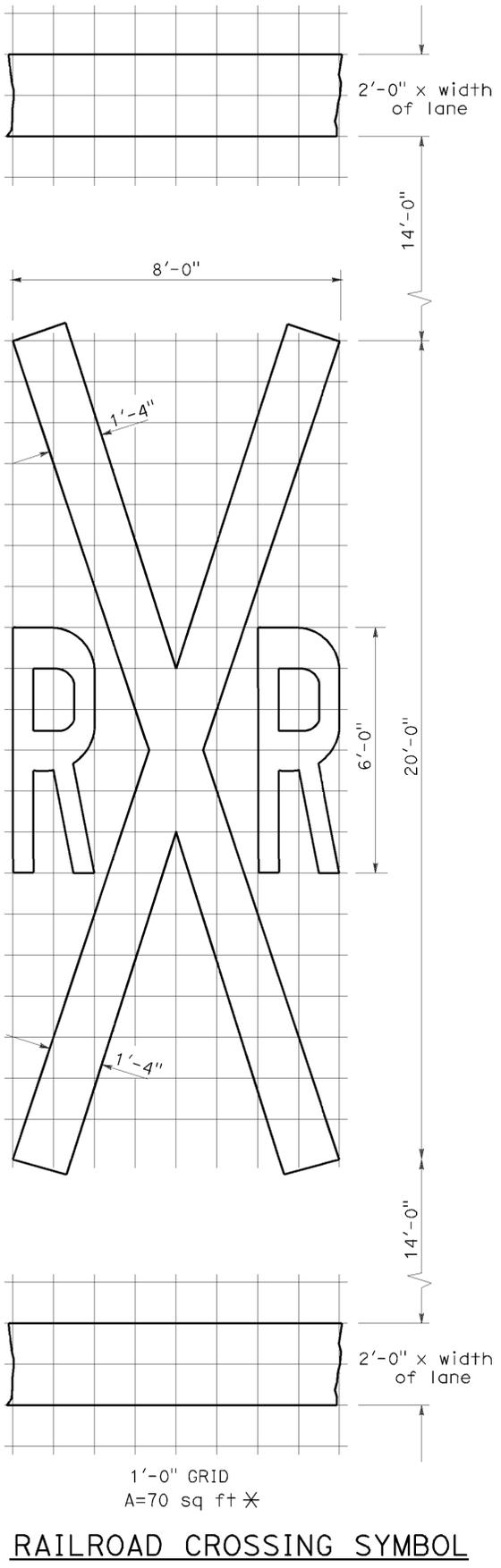


DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	DN, Hum	101	22.5/23.0, 88.2	10	14

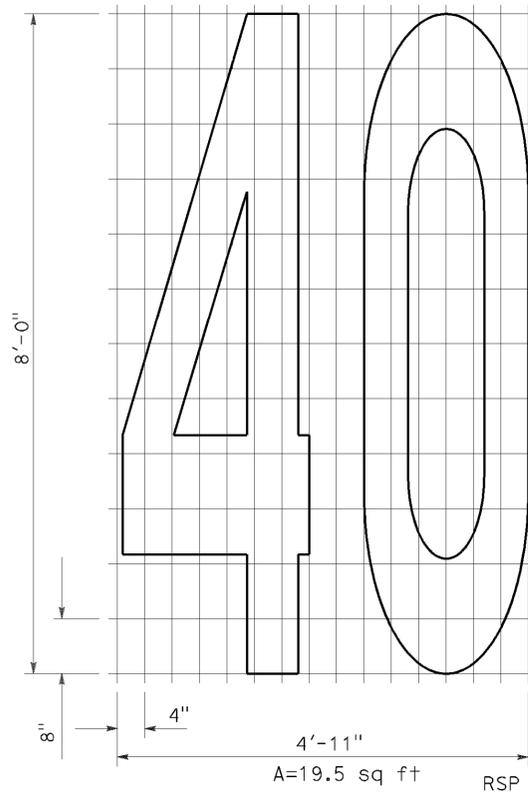
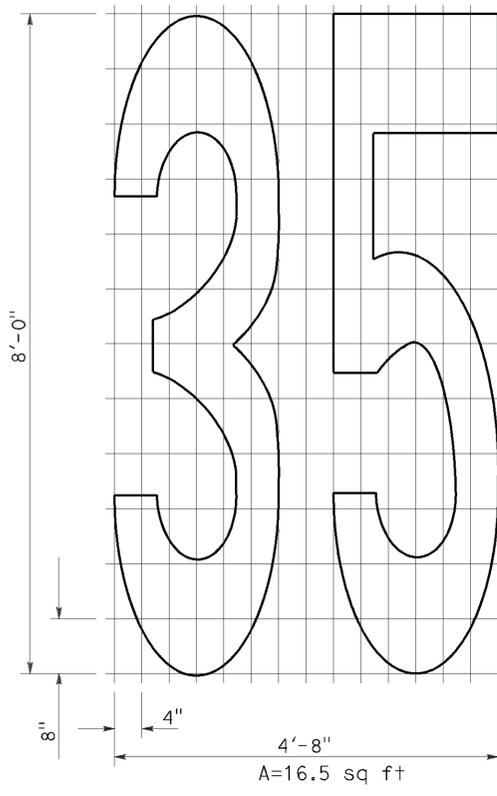
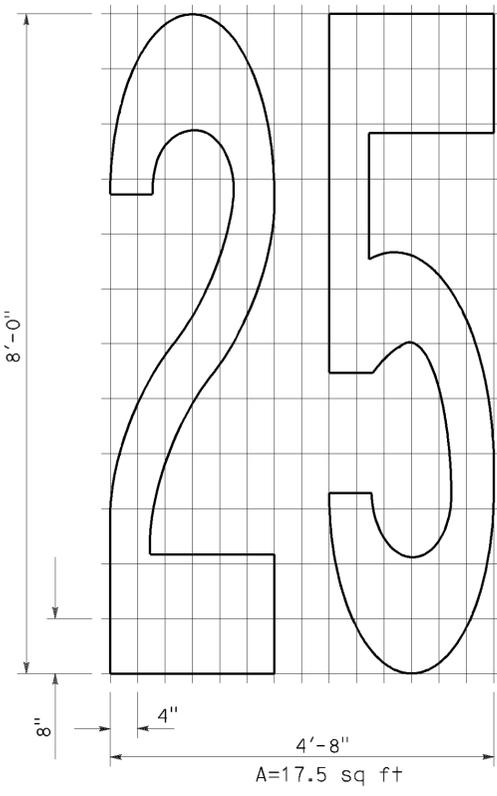
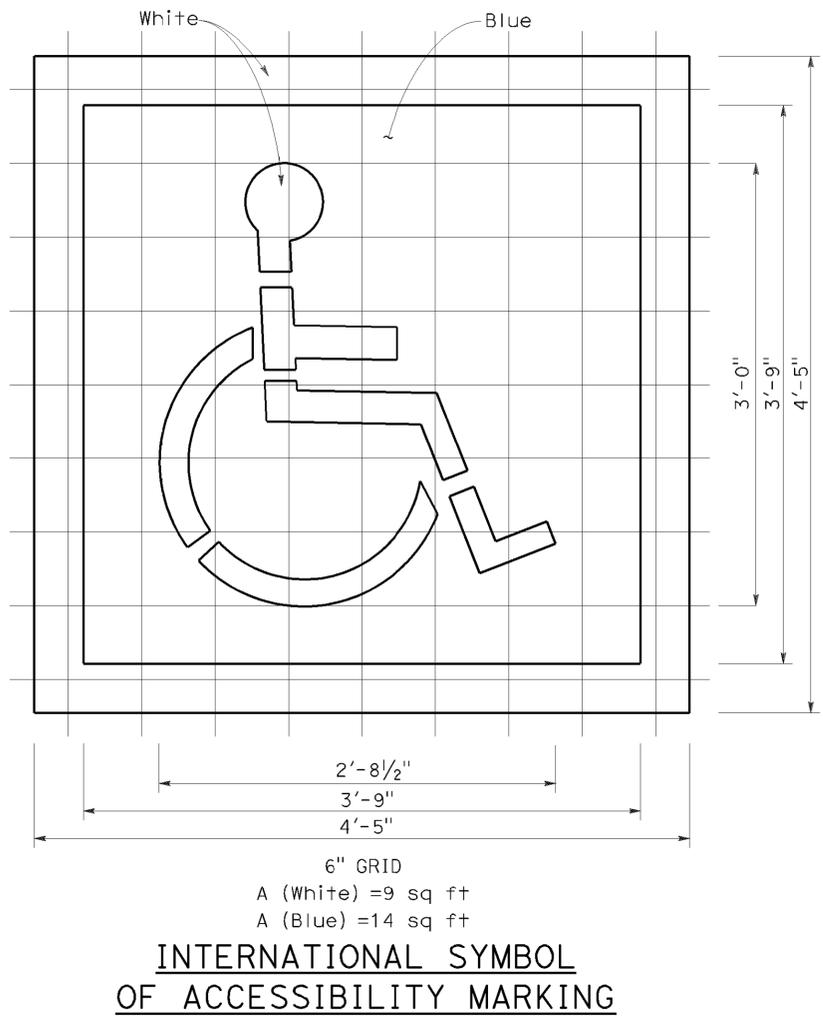
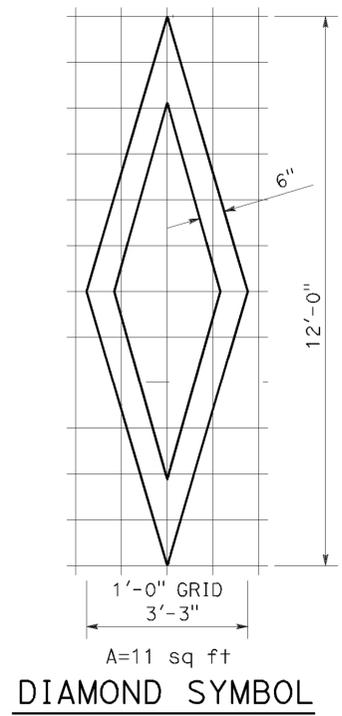
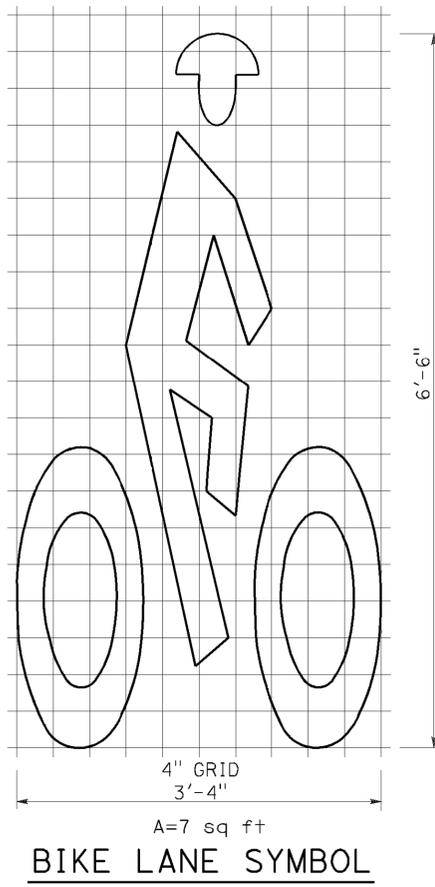
Donald E. Howe  
 REGISTERED CIVIL ENGINEER  
 June 6, 2008  
 PLANS APPROVAL DATE  
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REGISTERED PROFESSIONAL ENGINEER  
 Donald E. Howe  
 No. C46402  
 Exp. 3-31-09  
 CIVIL  
 STATE OF CALIFORNIA

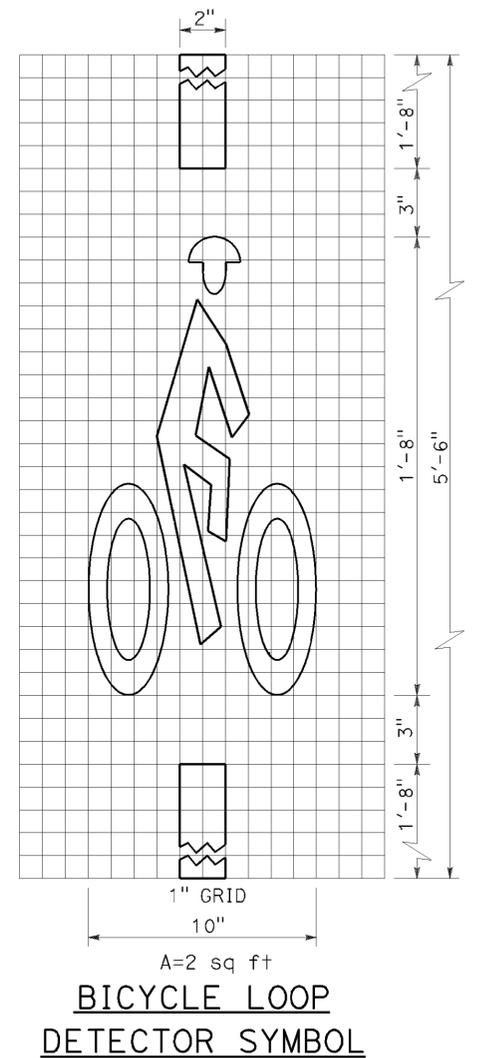
To accompany plans dated 04-10-12



✕70 sq ft DOES NOT INCLUDE THE 2'-0" x VARIABLE WIDTH TRANSVERSE LINES.



**NUMERALS**



**NOTE:**  
1. Minor variations in dimensions may be accepted by the Engineer.

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**PAVEMENT MARKINGS SYMBOLS AND NUMERALS**

NO SCALE

**REVISED STANDARD PLAN RSP A24C**

RSP A24C DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN A24C DATED MAY 1, 2006 - PAGE 11 OF THE STANDARD PLANS BOOK DATED MAY 2006.

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2006 REVISED STANDARD PLAN RSP A24C

DIST	COUNTY	ROUTE	PCST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	DN, Hum	101	22.5/23.0, 88.2	11	14

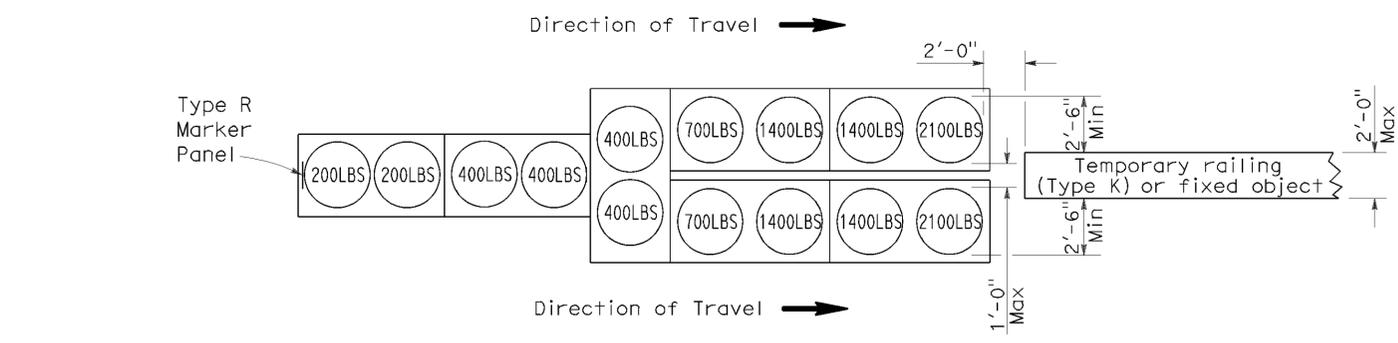
*Randell D. Hiatt*  
REGISTERED CIVIL ENGINEER

June 6, 2008  
PLANS APPROVAL DATE

*Randell D. Hiatt*  
No. C50200  
Exp. 6-30-09  
CIVIL  
STATE OF CALIFORNIA

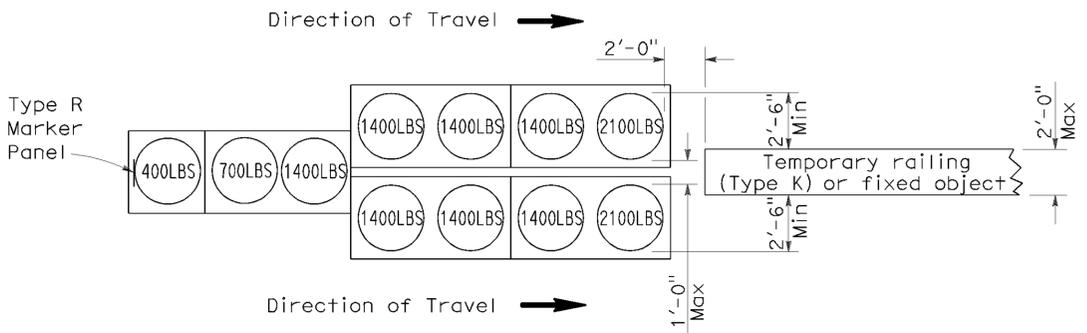
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 04-10-12



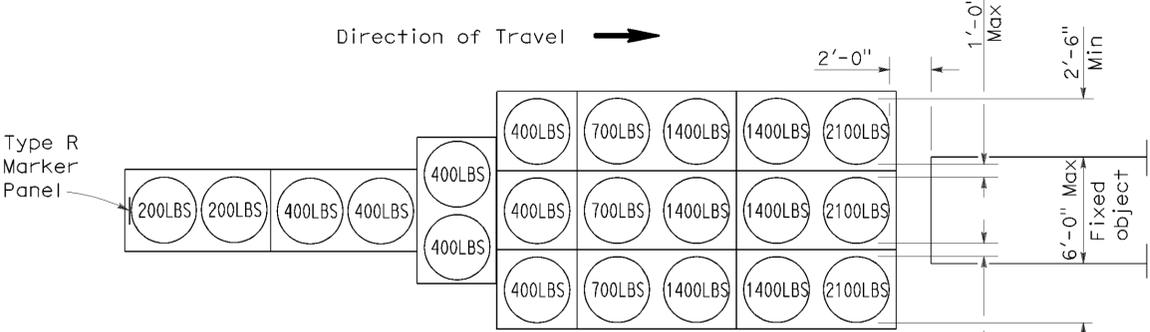
**ARRAY 'TU14'**

Approach speed 45 mph or more



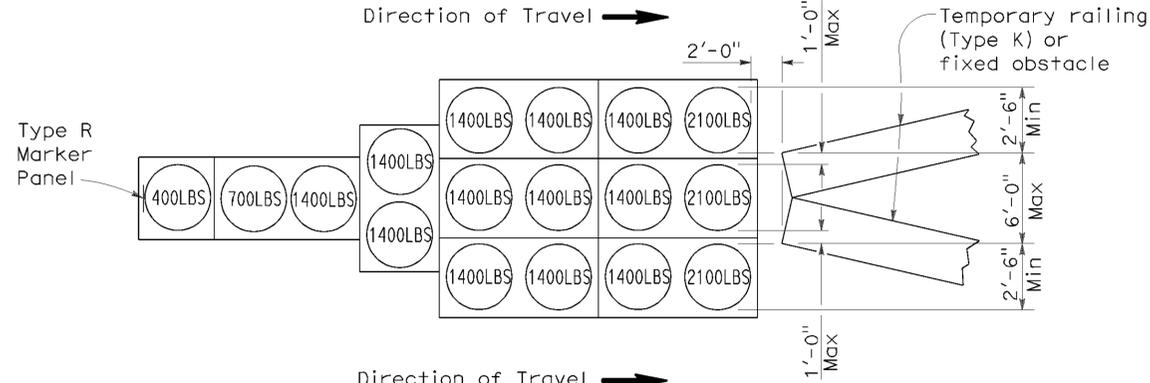
**ARRAY 'TU11'**

Approach speed less than 45 mph



**ARRAY 'TU21'**

Approach speed 45 mph or more

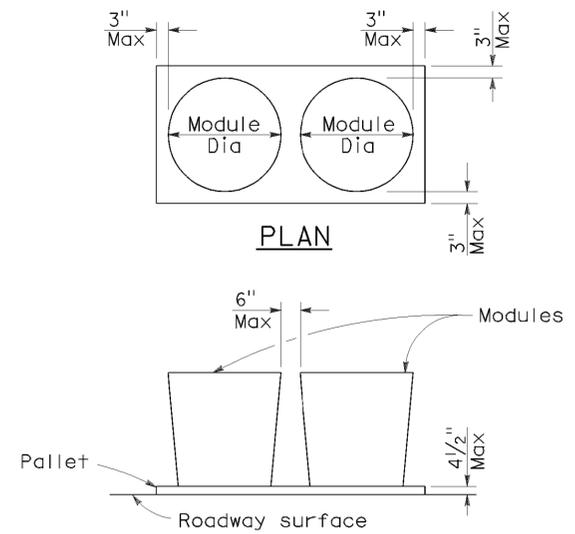


**ARRAY 'TU17'**

Approach speed less than 45 mph

**NOTES:**

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. Temporary crash cushion arrays shall not encroach on the traveled way.
4. Place the top of Type R marker panel 1" below the module lid.
5. Refer to Standard Plan A73B for marker details.
6. Approach speeds indicated conform to NCHRP 350 Report criteria.
7. Use of pallets is optional.



**CRASH CUSHION PALLET DETAIL**  
See Note 7

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**TEMPORARY CRASH CUSHION,  
SAND FILLED  
(UNIDIRECTIONAL)**

NO SCALE

RSP T1A DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T1A  
DATED MAY 1, 2006 - PAGE 211 OF THE STANDARD PLANS BOOK DATED MAY 2006.

**REVISED STANDARD PLAN RSP T1A**

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2006 REVISED STANDARD PLAN RSP T1A

DIST	COUNTY	ROUTE	PCST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	DN, Hum	101	22.5/23.0, 88.2	12	14

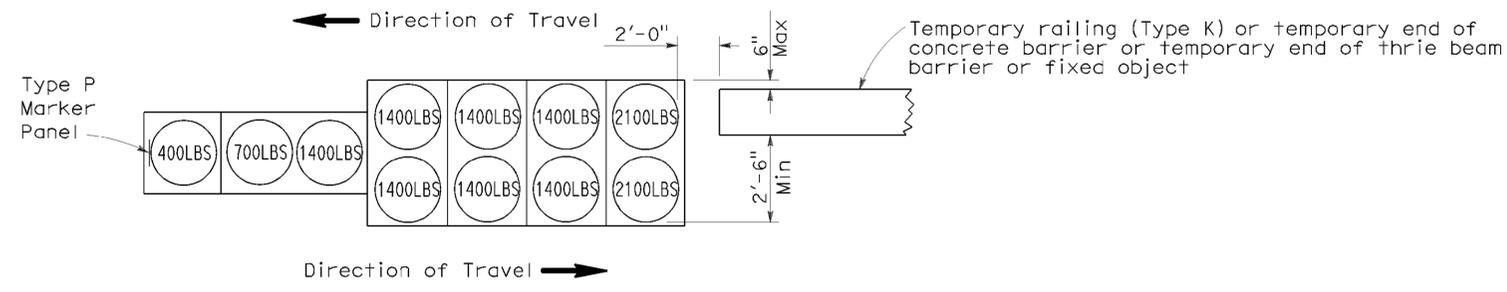
*Randell D. Hiatt*  
REGISTERED CIVIL ENGINEER

June 6, 2008  
PLANS APPROVAL DATE

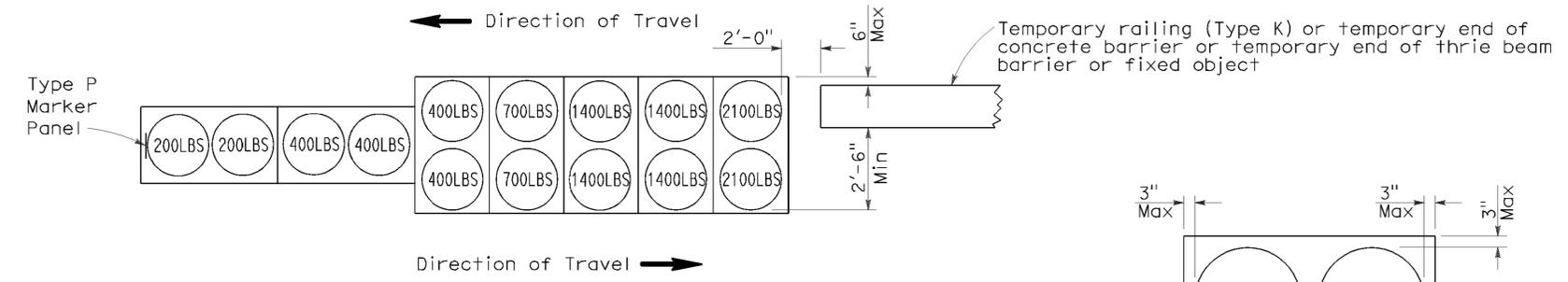
*Randell D. Hiatt*  
No. C50200  
Exp. 6-30-09  
CIVIL  
STATE OF CALIFORNIA

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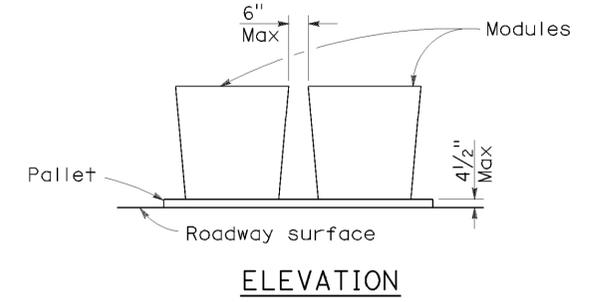
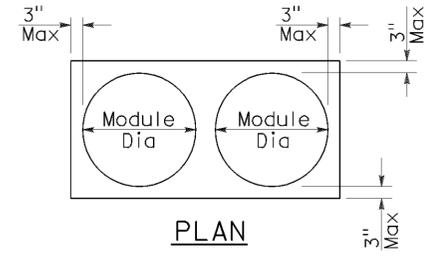
To accompany plans dated 04-10-12



**ARRAY 'TB11'**  
Approach speed less than 45 mph



**ARRAY 'TB14'**  
Approach speed 45 mph or more



**CRASH CUSHION PALLET DETAIL**  
See Note 7

**NOTES:**

- ⊗ Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
- All sand weights are nominal.
- Temporary crash cushion arrays shall not encroach on the traveled way.
- Place the Type P marker panel so that the bottom of the panel rests upon the pallet.
- Refer to Standard Plan A73B for marker details.
- Approach speeds indicated conform to NCHRP 350 Report criteria.
- Use of pallets is optional.

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**TEMPORARY CRASH CUSHION,  
SAND FILLED  
(BIDIRECTIONAL)**

NO SCALE

RSP T1B DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T1B  
DATED MAY 1, 2006 - PAGE 212 OF THE STANDARD PLANS BOOK DATED MAY 2006.

**REVISED STANDARD PLAN RSP T1B**

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2006 REVISED STANDARD PLAN RSP T1B

DIST	COUNTY	ROUTE	PCST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	DN, Hum	101	22.5/23.0, 88.2	13	14

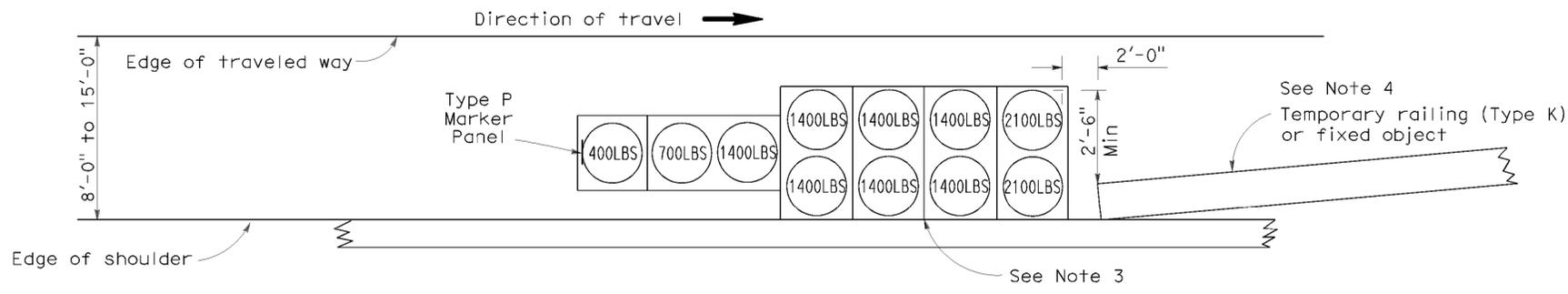
*Randell D. Hiatt*  
REGISTERED CIVIL ENGINEER

June 6, 2008  
PLANS APPROVAL DATE

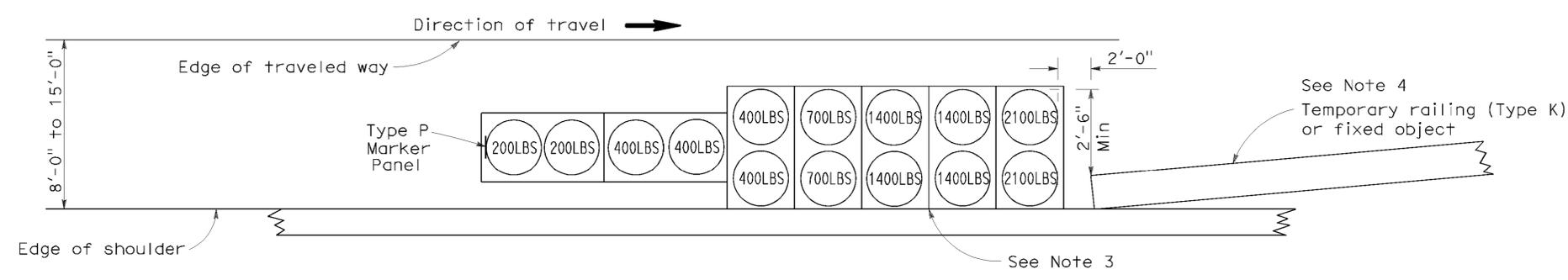
*Randell D. Hiatt*  
REGISTERED PROFESSIONAL ENGINEER  
No. C50200  
Exp. 6-30-09  
CIVIL  
STATE OF CALIFORNIA

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To accompany plans dated 04-10-12



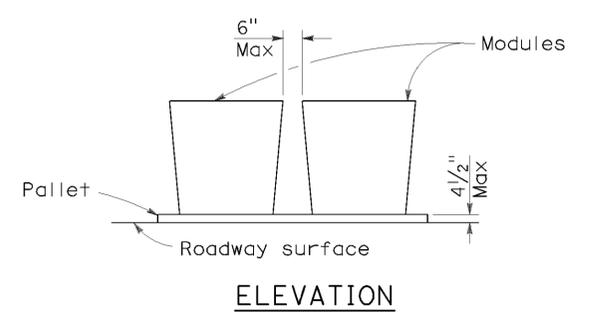
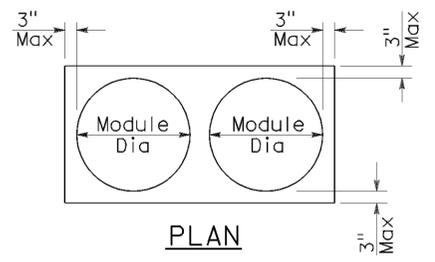
**ARRAY 'TS11'**  
Approach speed less than 45 mph  
See Note 9



**ARRAY 'TS14'**  
Approach speed 45 mph or more  
See Note 9

**NOTES:**

- (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
- All sand weights are nominal.
- The temporary crash cushion arrays shown on this plan shall be used only in locations where there will be traffic on one side of the temporary crash cushion array.
- If the fixed object or approach end of the temporary railing is less than 15'-0" from the edge of traveled way, a temporary crash cushion is required in a construction or work zone.
- Temporary crash cushion arrays shall not encroach on the traveled way.
- Arrays for median shoulders shall conform to details shown on this plan for outside shoulders.
- Place the Type P marker panel so that the bottom of the panel rests upon the pallet and faces traffic.
- Refer to Standard Plan A73B for marker details.
- For shoulder widths less than 8'-0", appropriate approved crash cushion protection, other than sand filled modules, shall be provided at fixed objects and at approach ends of temporary railing. The specific type of crash cushion shall be as shown on the project plans or as specified in the Special Provisions, or if not shown on the project plans or specified in the Special Provisions, shall be as approved by the Engineer.
- Approach speeds indicated conform to NCHRP 350 Report criteria.
- Use of pallets is optional.



**CRASH CUSHION PALLET DETAIL**  
See Note 11

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**TEMPORARY CRASH CUSHION,  
SAND FILLED  
(SHOULDER INSTALLATIONS)**

NO SCALE  
RSP T2 DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T2  
DATED MAY 1, 2006 - PAGE 213 OF THE STANDARD PLANS BOOK DATED MAY 2006.

**REVISED STANDARD PLAN RSP T2**

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2006 REVISED STANDARD PLAN RSP T2

Dist	COUNTY	ROUTE	PCST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	DN, Hum	101	22.5/23.0, 88.2	14	14

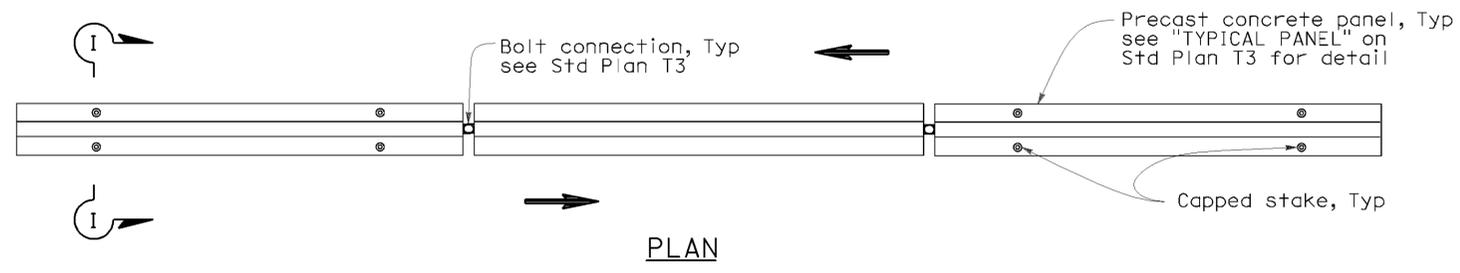
*Randell D. Hiatt*  
REGISTERED CIVIL ENGINEER

May 20, 2011  
PLANS APPROVAL DATE

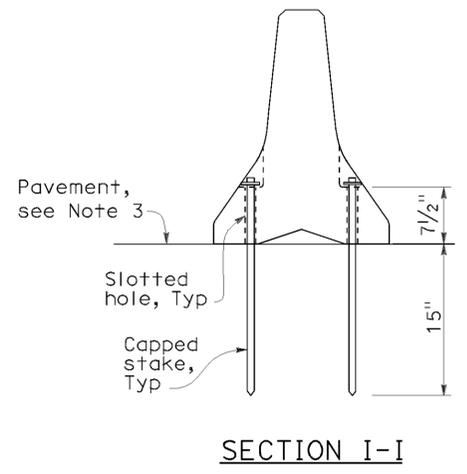
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

REGISTERED PROFESSIONAL ENGINEER  
No. C50200  
Exp. 6-30-11  
CIVIL  
STATE OF CALIFORNIA

To accompany plans dated 04-10-12

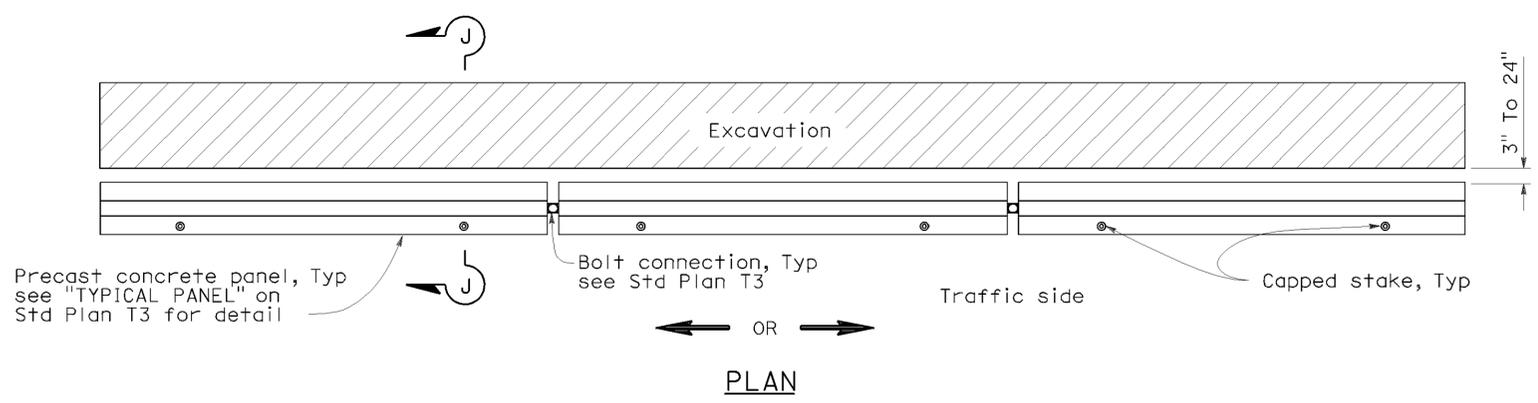


**RAILING STAKING CONFIGURATION FOR TWO-WAY TRAFFIC**  
See Note 1

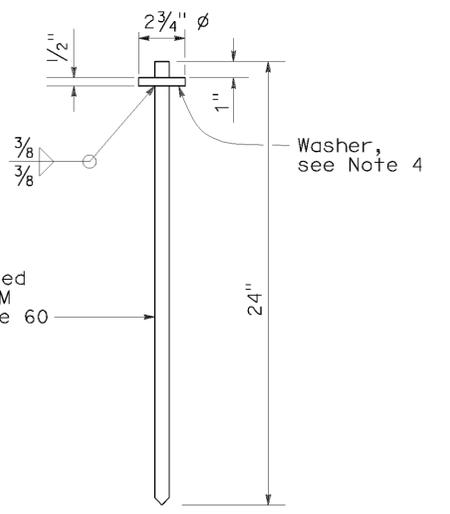
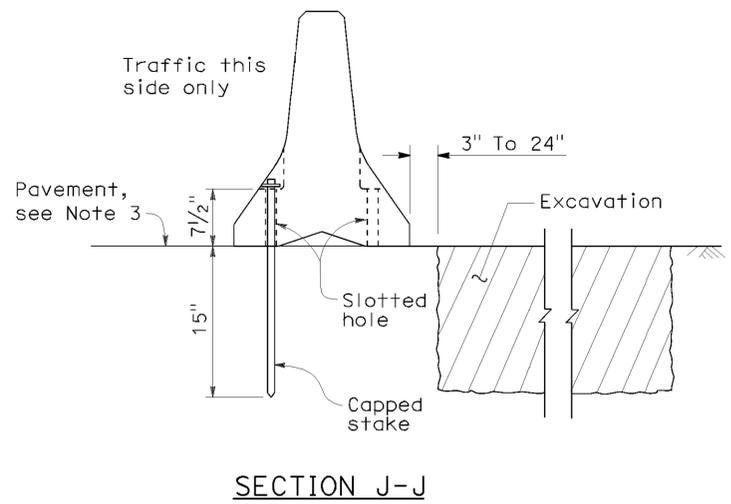


**NOTES:**

1. Where Type K Temporary Railing is placed as a temporary or long term barrier in two-way traffic on highways with less than 24" from the edge of traveled way, use four capped stakes per every other panel with end panels staked.
2. Where Type K Temporary Railing is placed 3" to 24" from the edge of an excavation on highways, use two capped stakes per panel along the traffic side.
3. Staked Type K Temporary Railing must be supported by at least 4" thick concrete, hot mix asphalt or existing asphalt concrete pavement.
4. The minimum yield strength for the washer must be 60,000 psi.
5. Direction of adjacent traffic indicated by  $\Rightarrow$ .



**RAILING STAKING CONFIGURATION ADJACENT TO AN EXCAVATION**  
See Note 2



**CAPPED STAKE DETAIL**

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**TEMPORARY RAILING  
(TYPE K)**  
NO SCALE

NSP T3A DATED MAY 20, 2011 SUPPLEMENTS  
THE STANDARD PLANS BOOK DATED MAY 2006.

**NEW STANDARD PLAN NSP T3A**

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2006 NEW STANDARD PLAN NSP T3A