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THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

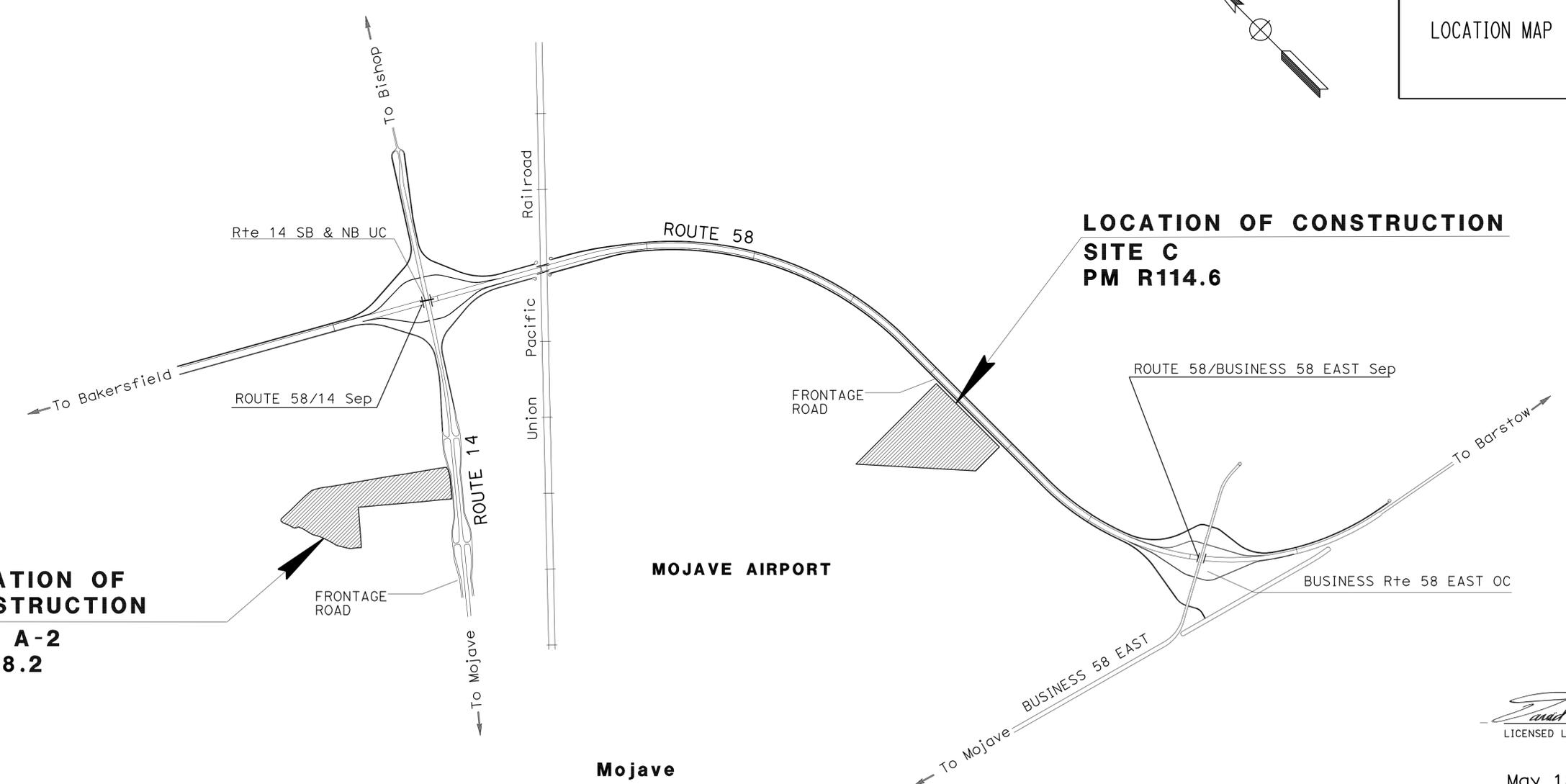
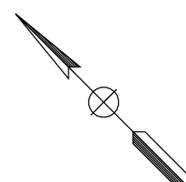
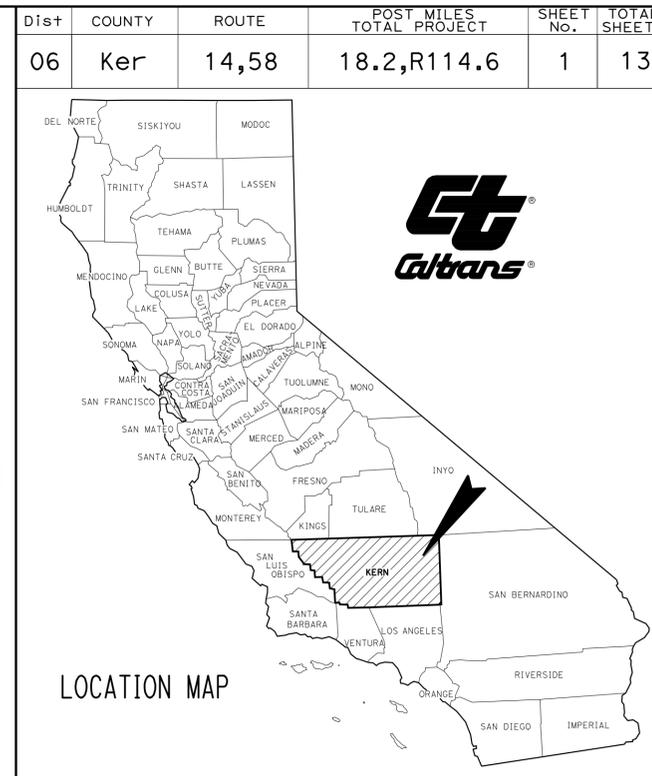
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ACNH-X029(106)E

PROJECT PLANS FOR CONSTRUCTION ADJACENT TO
STATE HIGHWAY

IN KERN COUNTY
NEAR MOJAVE ON ROUTE 14
AT 0.9 MILES SOUTH OF ROUTE 58/14 SEPARATION
AND ON ROUTE 58
AT 1.5 MILES WEST OF ROUTE 58/BUSINESS 58 EAST SEPARATION

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



**LOCATION OF CONSTRUCTION
SITE A-2
PM 18.2**

**LOCATION OF CONSTRUCTION
SITE C
PM R114.6**

Mojave

NO SCALE

PROJECT MANAGER
FRANK MOMEN

DESIGN ENGINEER
ELBERT COX

David R. Martin
LICENSED LANDSCAPE ARCHITECT



May 18, 2009
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.

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

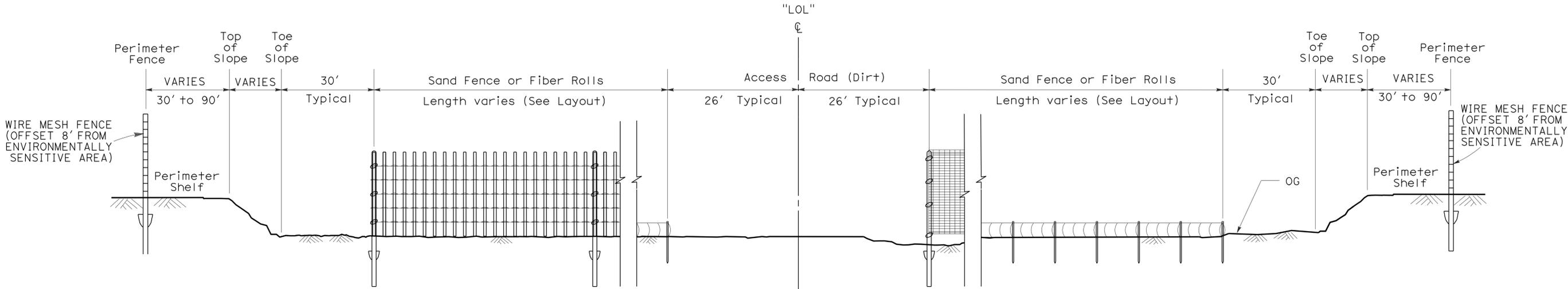
CONTRACT No. **06-0E3704**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	14,58	18.2,R114.6	2	13

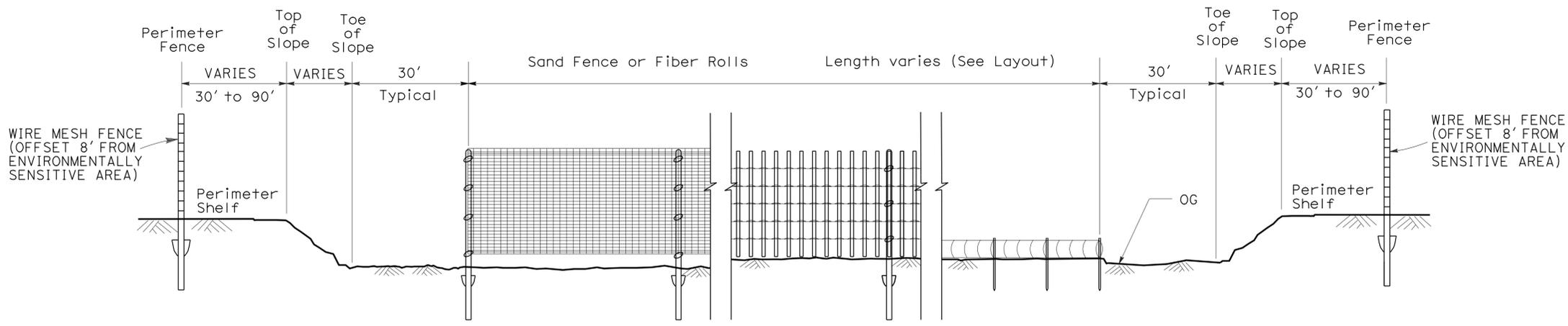

 LICENSED LANDSCAPE ARCHITECT
 5-18-09
 PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE
 FUNCTIONAL SUPERVISOR
 ELBERT COX
 CALCULATED-DESIGNED BY
 CHECKED BY
 DAVID MARTIN
 CHARLES LARUE
 REVISED BY
 DATE REVISED



TYPICAL SECTION @ "LOL"
**FENCE AND FIBER ROLLS
 SITE A-2**



TYPICAL SECTION LOOKING NORTHWEST
**FENCE AND FIBER ROLLS
 SITE C**

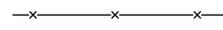
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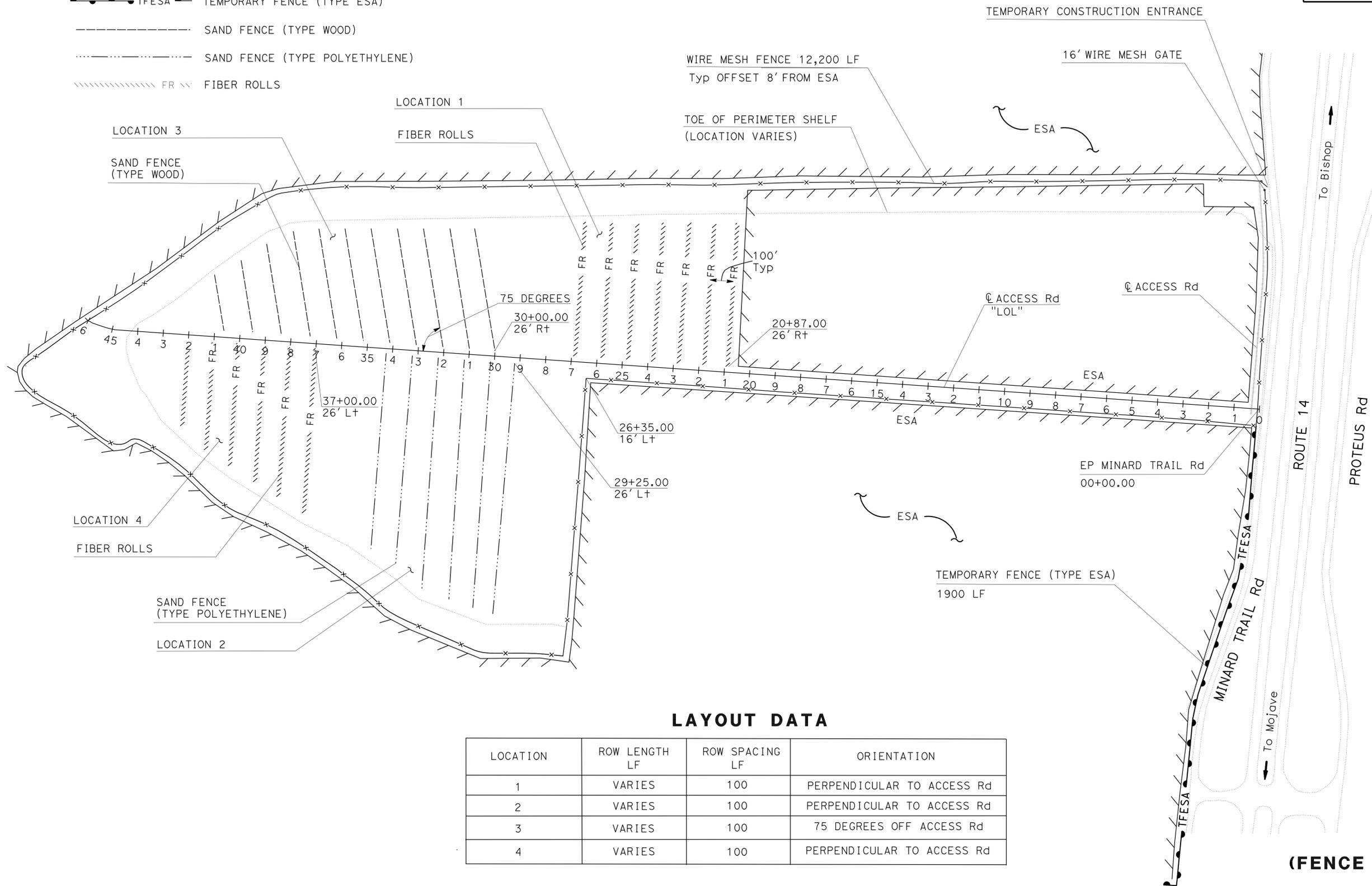
NO SCALE

X-1

NOTE: FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.

LEGEND

-  ENVIRONMENTALLY SENSITIVE AREA (ESA)
-  WIRE MESH FENCE
-  TFESA TEMPORARY FENCE (TYPE ESA)
-  SAND FENCE (TYPE WOOD)
-  SAND FENCE (TYPE POLYETHYLENE)
-  FIBER ROLLS



LAYOUT DATA

LOCATION	ROW LENGTH LF	ROW SPACING LF	ORIENTATION
1	VARIES	100	PERPENDICULAR TO ACCESS Rd
2	VARIES	100	PERPENDICULAR TO ACCESS Rd
3	VARIES	100	75 DEGREES OFF ACCESS Rd
4	VARIES	100	PERPENDICULAR TO ACCESS Rd

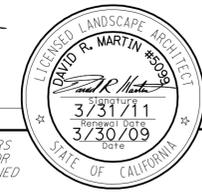
SCALE: 1" = 200'

**LAYOUT
(FENCE AND FIBER ROLLS
SITE A-2)
L-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE
 FUNCTIONAL SUPERVISOR: ELBERT COX
 CALCULATED-DESIGNED BY: CHECKED BY:
 DAVID MARTIN CHARLES LARUE
 REVISED BY: DATE REVISED:
 BORDER LAST REVISED 4/11/2008

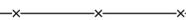
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	14,58	18.2,R114.6	4	13

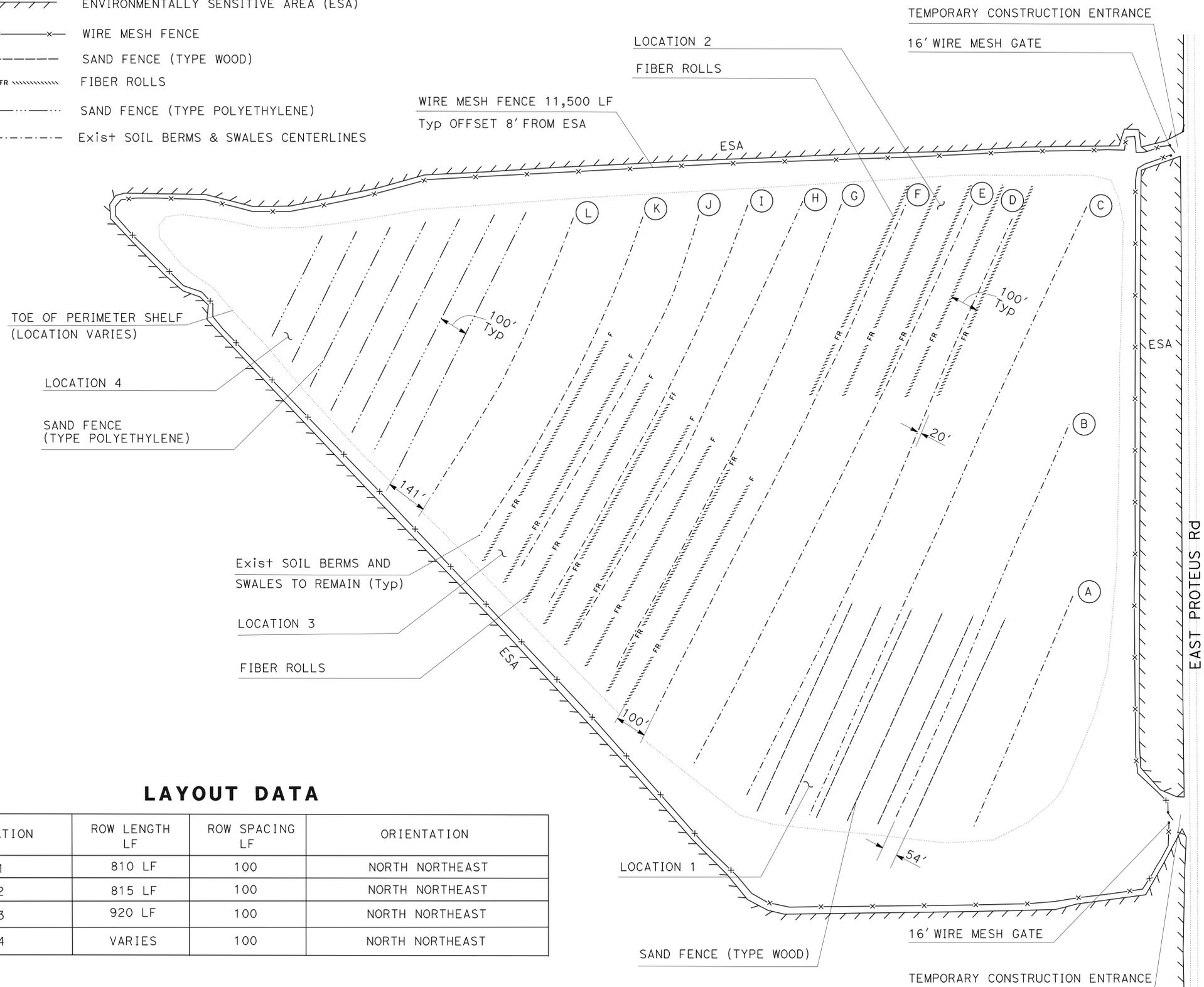

 LICENSED LANDSCAPE ARCHITECT
 5-18-09
 PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



NOTE: FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.

LEGEND

-  ENVIRONMENTALLY SENSITIVE AREA (ESA)
-  WIRE MESH FENCE
-  SAND FENCE (TYPE WOOD)
-  FIBER ROLLS
-  SAND FENCE (TYPE POLYETHYLENE)
-  Exist SOIL BERMS & SWALES CENTERLINES



LAYOUT DATA

LOCATION	ROW LENGTH LF	ROW SPACING LF	ORIENTATION
1	810 LF	100	NORTH NORTHEAST
2	815 LF	100	NORTH NORTHEAST
3	920 LF	100	NORTH NORTHEAST
4	VARIABLE	100	NORTH NORTHEAST

**LAYOUT
(FENCE AND FIBER ROLLS
SITE C)
L-2**

SCALE: 1" = 200'

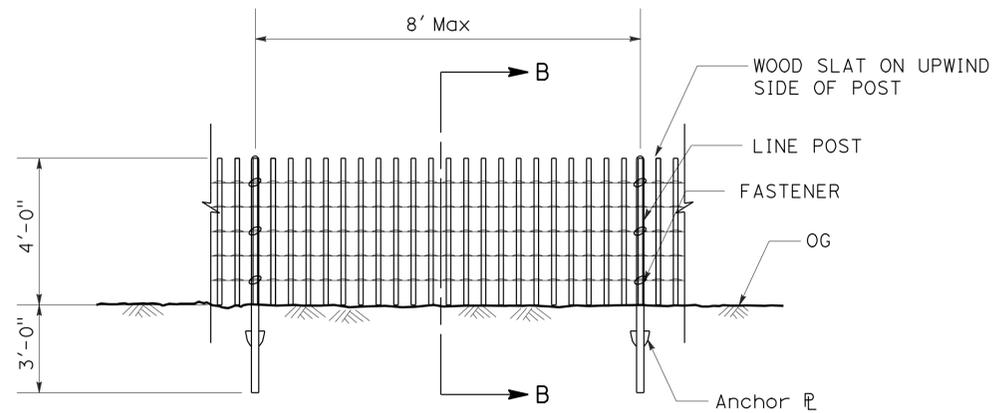
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE
 SENIOR LANDSCAPE ARCHITECT: ELBERT COX
 CALCULATED-DESIGNED BY: [blank] CHECKED BY: [blank]
 DAVID MARTIN
 REVISED BY: CHARLES LARUE
 DATE: [blank]

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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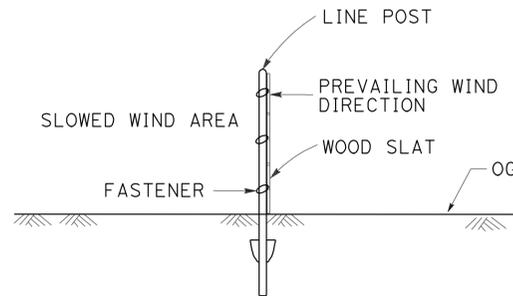
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5-18-09 PLANS APPROVAL DATE		

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.

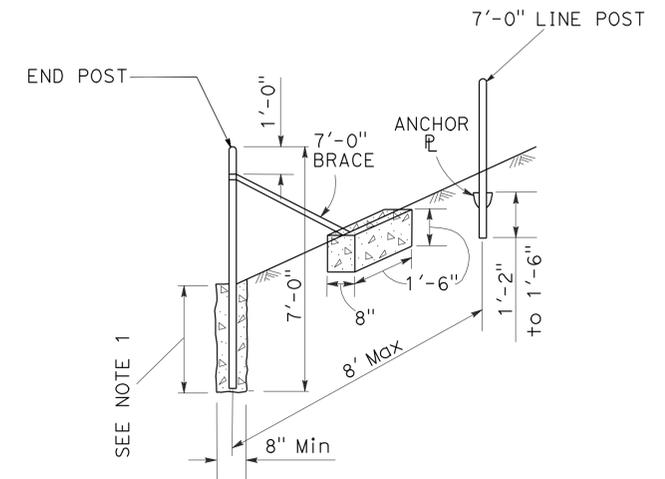
NOTE:
 1. For Sand Fence (Type Wood) 3'-0". For Sand Fence (Type Polyethylene) 2'-6".



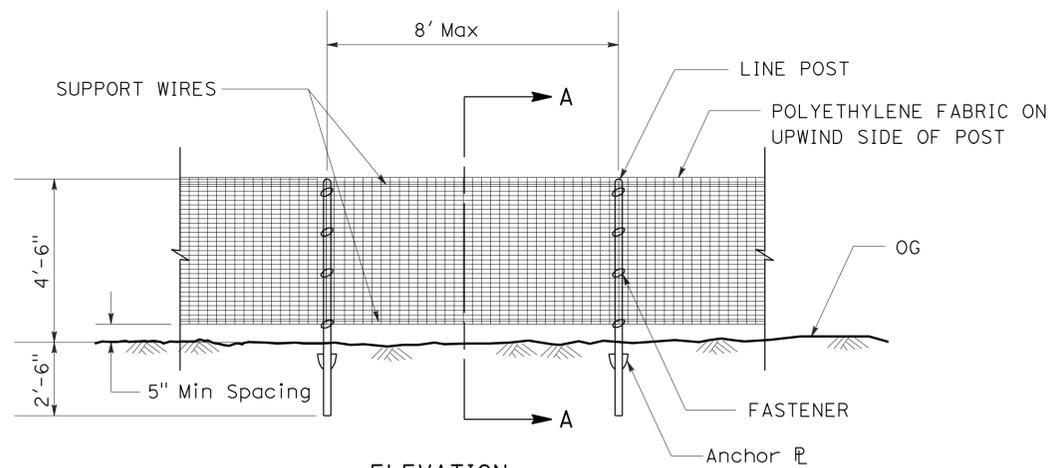
ELEVATION



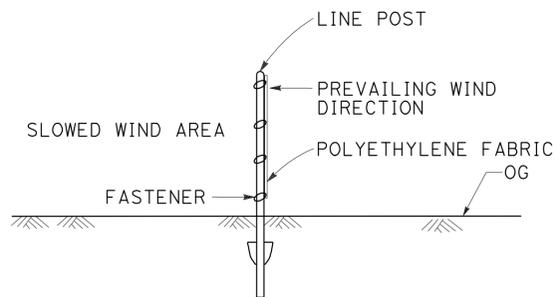
SECTION B-B



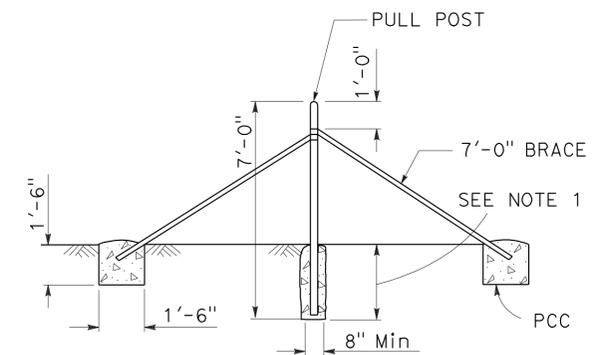
END POST ASSEMBLY



ELEVATION



SECTION A-A



PULL POST ASSEMBLY

Required for Sand Fence lengths greater than 600'-0."
 Place pull post assembly at the mid-point of each fence length.

SAND FENCE (TYPE POLYETHYLENE)

SAND FENCE METAL POST INSTALLATION

CONSTRUCTION DETAILS

NO SCALE

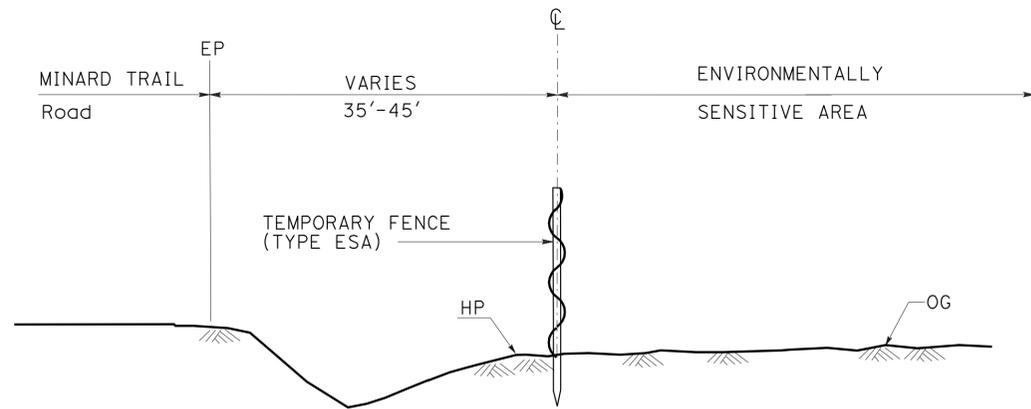
C-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	LANDSCAPE ARCHITECTURE
ELBERT COX	FUNCTIONAL SUPERVISOR
DAVID MARTIN	DESIGNED BY
CHARLES LORUE	CHECKED BY
DAVID MARTIN	REVISOR
CHARLES LORUE	DATE REVISOR

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	14,58	18.2,R114.6	6	13

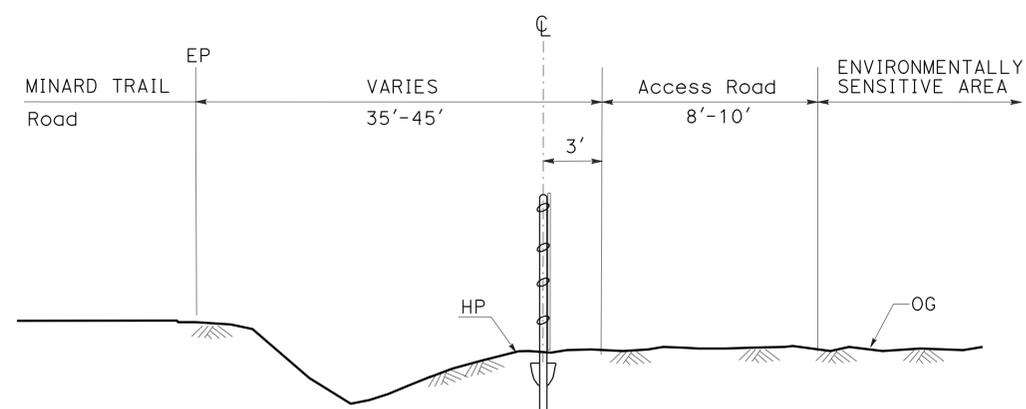

 LICENSED LANDSCAPE ARCHITECT
 5-18-09
 PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

LICENSED LANDSCAPE ARCHITECT
DAVID R. MARTIN #5099
Signature
3/31/11
Approval Date
3/30/09
Date
STATE OF CALIFORNIA



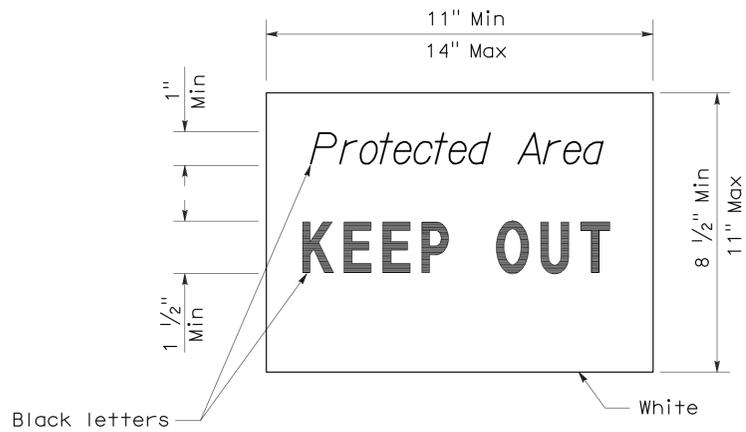
TYPICAL SECTION

**TEMPORARY FENCE (TYPE ESA)
AT MINARD TRAIL ROAD
SITE A-2**

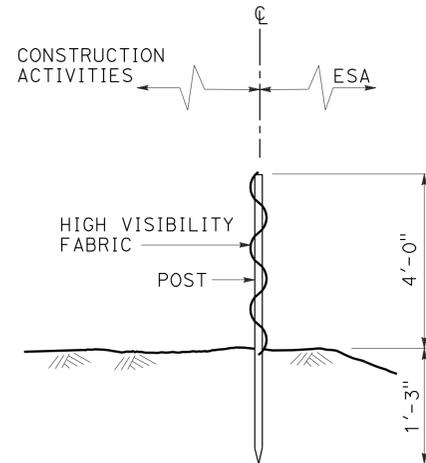


TYPICAL SECTION

**WIRE MESH FENCE
AT MINARD TRAIL ROAD
SITE A-2**

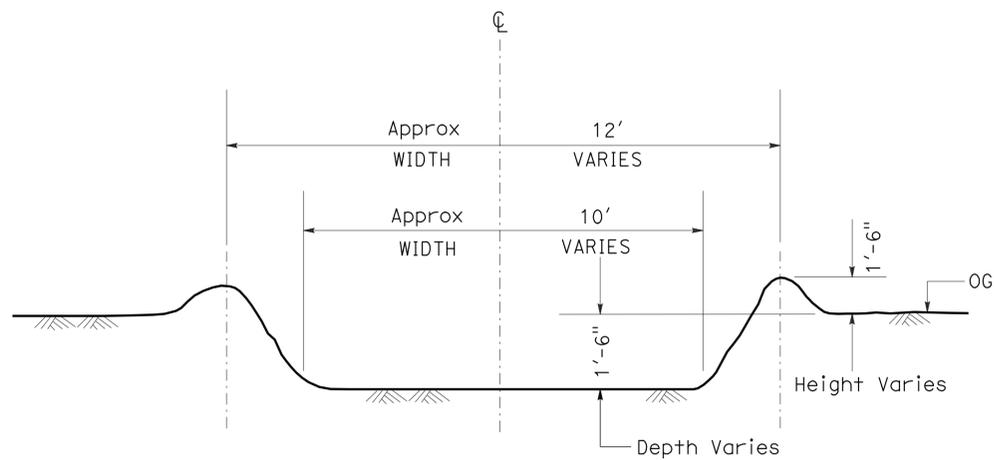


SIGN DETAIL



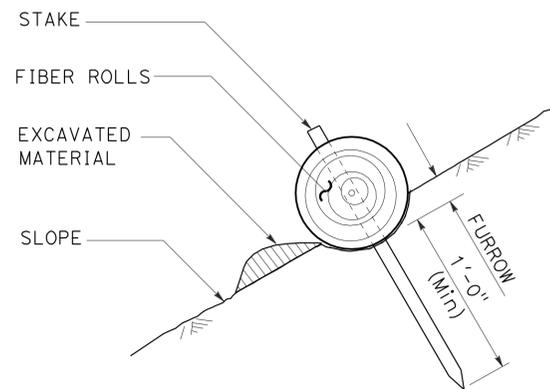
SECTION

**TEMPORARY FENCE
(TYPE ESA)**

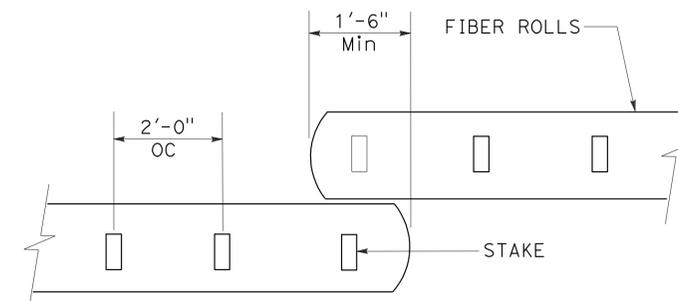


TYPICAL SECTION

**Exist SOIL BERMS AND
SWALES TO REMAIN
SITE C**



SECTION



PLAN

FIBER ROLLS (TYPE 1)

CONSTRUCTION DETAILS

NO SCALE

C-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	LANDSCAPE ARCHITECTURE
ELBERT COX	FUNCTIONAL SUPERVISOR
DAVID MARTIN	REVISOR
CHARLES LORUE	DATE REVISOR
CALCULATED-DESIGNED BY	CHECKED BY

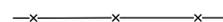
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	14,58	18.2,R114.6	7	13

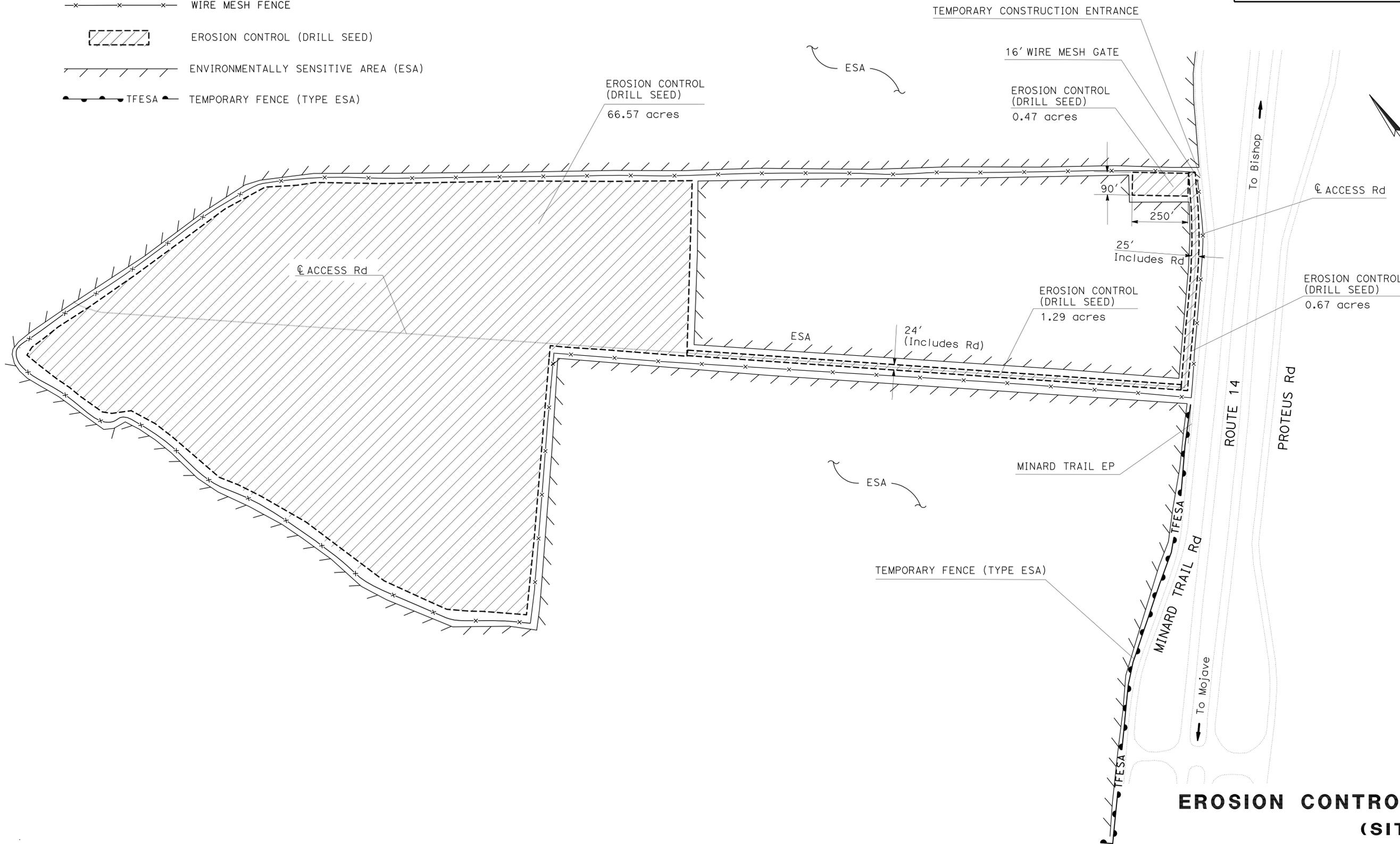

 LICENSED LANDSCAPE ARCHITECT
 5-18-09
 PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.


 David R. Martin
 3/31/11
 3/30/09
 Date

NOTE: FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.

LEGEND

-  WIRE MESH FENCE
-  EROSION CONTROL (DRILL SEED)
-  ENVIRONMENTALLY SENSITIVE AREA (ESA)
-  TFESA TEMPORARY FENCE (TYPE ESA)



EROSION CONTROL PLAN
(SITE A-2)
EC-1

SCALE: 1" = 200'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
Caltrans LANDSCAPE ARCHITECTURE	ELBERT COX	CHECKED BY	DATE REVISED
		DAVID MARTIN	CHARLES LARUE

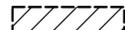
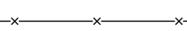


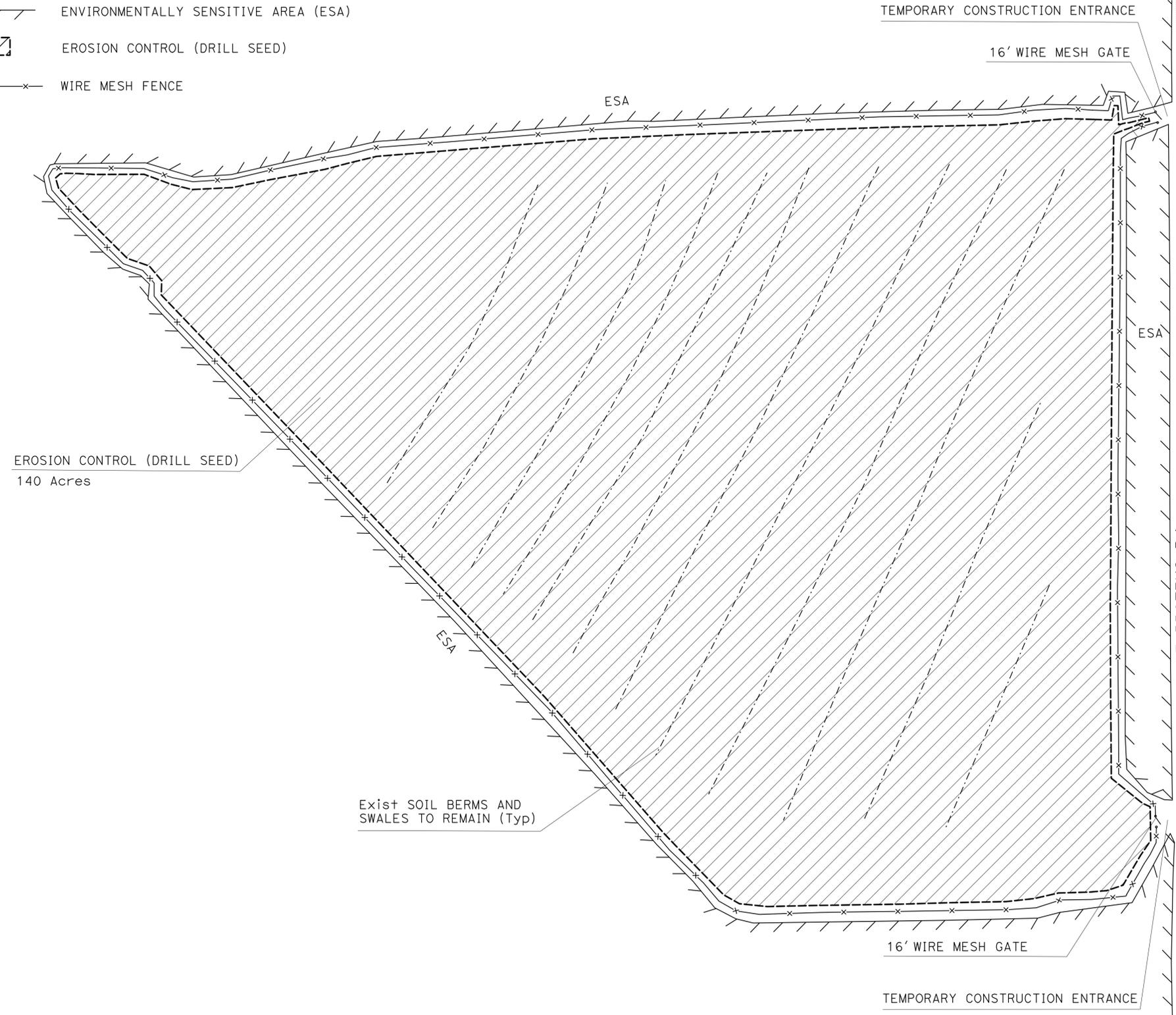
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	14,58	18.2,R114.6	8	13

 LICENSED LANDSCAPE ARCHITECT		
5-18-09 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>		

NOTE: FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.

LEGEND

-  ENVIRONMENTALLY SENSITIVE AREA (ESA)
-  EROSION CONTROL (DRILL SEED)
-  WIRE MESH FENCE



↑ To Bakersfield
 ROUTE 58
 ↓ To Barstow

EAST BISHOP DR

EAST PROTEUS Rd

EROSION CONTROL PLAN
 (SITE C)
EC-2

SCALE: 1" = 200'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	SENIOR LANDSCAPE ARCHITECT	REVISOR	DATE
Caltrans LANDSCAPE ARCHITECTURE	ELBERT COX	DAVID MARTIN	5-18-09
		CHARLES LARUE	

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	14,58	18.2,R114.6	9	13

Hassan Cohe 02-25-09
REGISTERED CIVIL ENGINEER DATE

5-18-09
PLANS APPROVAL DATE

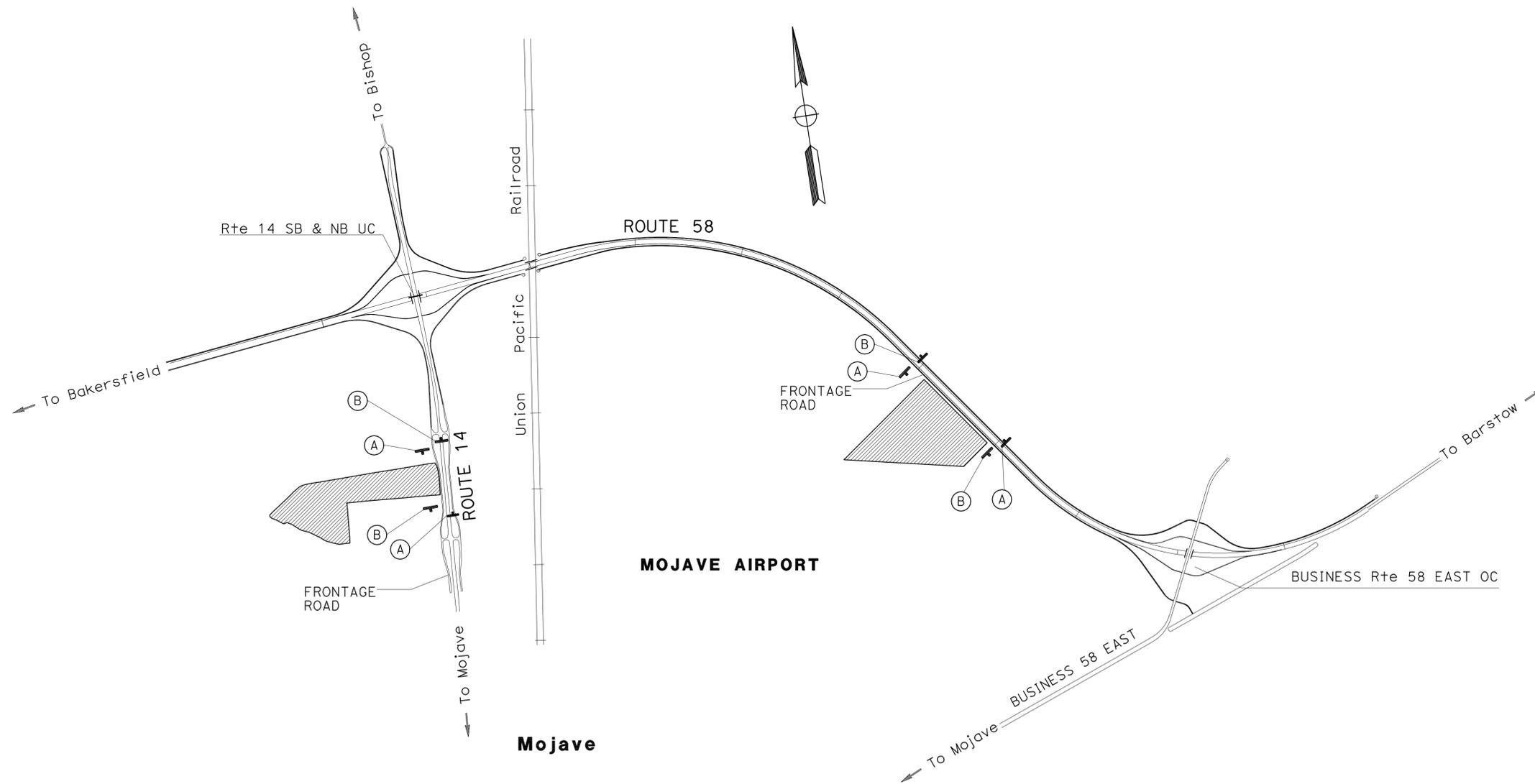
REGISTERED PROFESSIONAL ENGINEER
HASSAN M. TAHA
No. 60130
Exp. 06/30/10
CIVIL
STATE OF CALIFORNIA

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CONSTRUCTION AREA SIGNS (STATIONARY MOUNTED)

SIGN No.	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF POSTS	POST SIZE	No. OF SIGNS	REMARKS
(A)	W20-1	36" x 36"	ROAD WORK AHEAD	1	4" x 4"	4	ON FRONTAGE ROAD
(B)	G20-2	18" x 36"	END ROAD WORK	1	4" x 4"	4	ON FRONTAGE ROAD

NOTES: 1. LOCATIONS OF CONSTRUCTION AREA SIGNS SHOWN ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
FUNCTIONAL SUPERVISOR: MOHAMMAD OATAMI
CALCULATED-DESIGNED BY: MOHAMMAD OATAMI
CHECKED BY: HASSAN TAHA
REVISOR: KAMRUL KHAN
DATE: 02-25-09

THIS PLAN ACCURATE FOR CONSTRUCTION SIGN WORK ONLY

CONSTRUCTION AREA SIGN

NO SCALE

CS-1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	14,58	18.2,R114.6	10	13


 LICENSED LANDSCAPE ARCHITECT

5-18-09
 PLANS APPROVAL DATE

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TEMPORARY FENCE (TYPE ESA)

LOCATION	LENGTH (LF)
SITE A-2	1900
TOTAL	1900

WIRE MESH FENCE AND GATES

LOCATION	FENCE (TYPE WM, METAL POST) (LF)	16' WIRE MESH GATE (EA)
SITE A-2	12,200	1
SITE C	11,500	2
TOTAL	23,700	3

WATER POLLUTION CONTROL

LOCATION	Temp Const ENTRANCE (EA)	Temp SOIL BINDER (SQYD)	Temp COVER (SQYD)
SITE A-2	1	67,104	660
SITE C	2	136,178	1340
TOTAL	3	203,282	2000

SAND FENCE AND FIBER ROLLS

LOCATION	SAND FENCE (TYPE POLYETHYLENE) (LF)	SAND FENCE (TYPE WOOD) (LF)	FIBER ROLLS (LF)
SITE A-2 Loc 1	_____	_____	3800
SITE A-2 Loc 2	5400	_____	_____
SITE A-2 Loc 3	_____	4500	_____
SITE A-2 Loc 4	_____	_____	3000
SITE C Loc 1	_____	4860	_____
SITE C Loc 2	_____	_____	4075
SITE C Loc 3	_____	_____	7360
SITE C Loc 4	5150	_____	_____
TOTAL	10,550	9360	18,235

EROSION CONTROL (DRILL SEED)

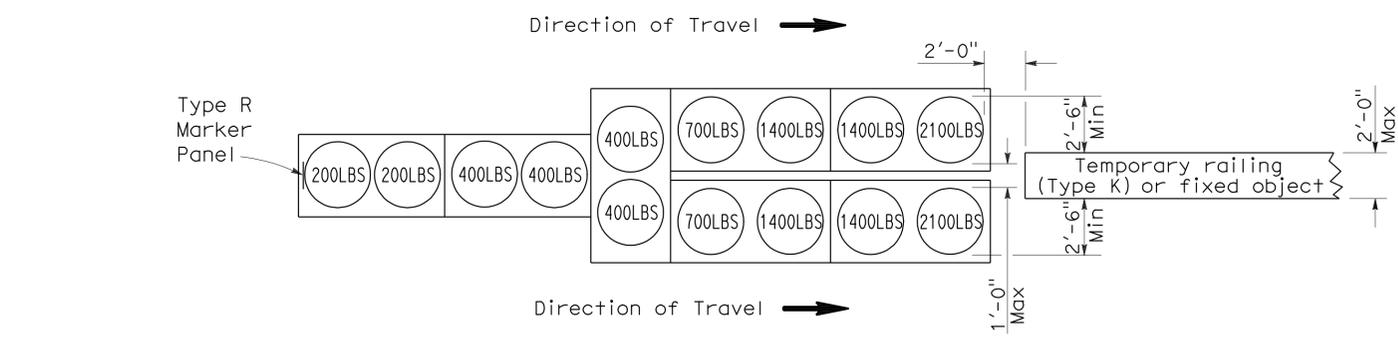
LOCATION	ACRES
SITE A-2	69
SITE C	140
TOTAL	209

SUMMARY OF QUANTITIES

Q-1

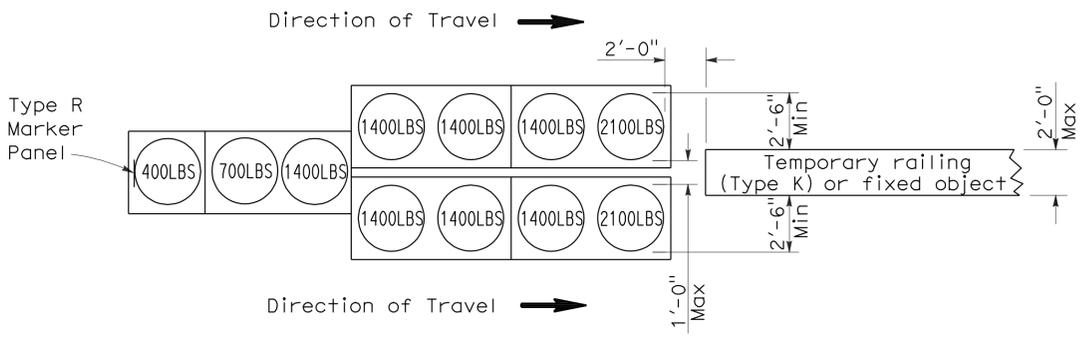
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE
 FUNCTIONAL SUPERVISOR: ELBERT COX
 CALCULATED-DESIGNED BY: DAVID MARTIN
 CHECKED BY: CHARLES LORUE
 REVISED BY: DATE REVISED:

To accompany plans dated 5-18-09



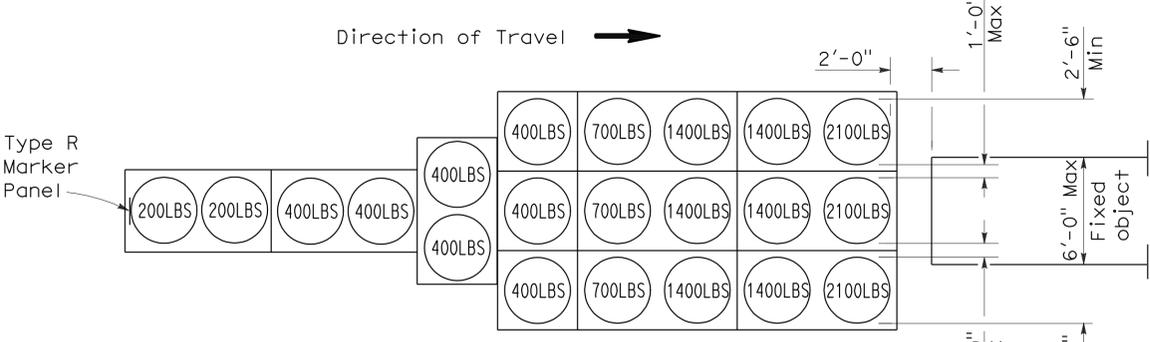
ARRAY 'TU14'

Approach speed 45 mph or more



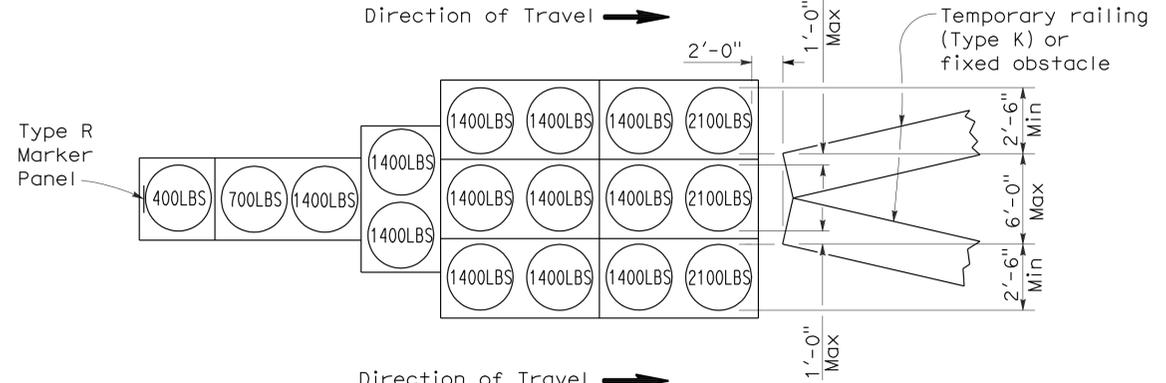
ARRAY 'TU11'

Approach speed less than 45 mph



ARRAY 'TU21'

Approach speed 45 mph or more

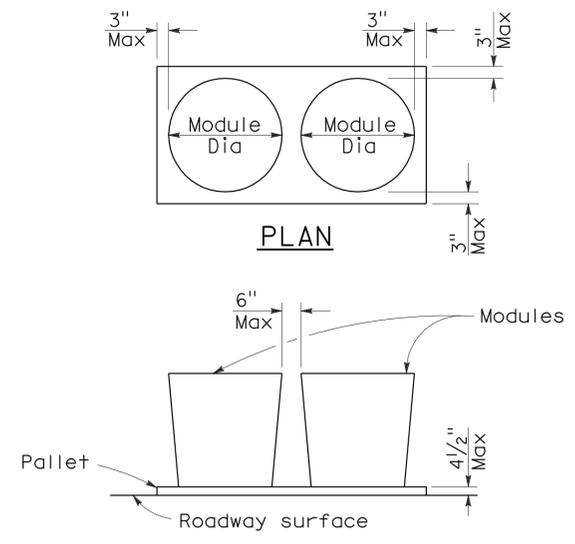


ARRAY 'TU17'

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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Ker	14,58	18.2,R114.6	12	13

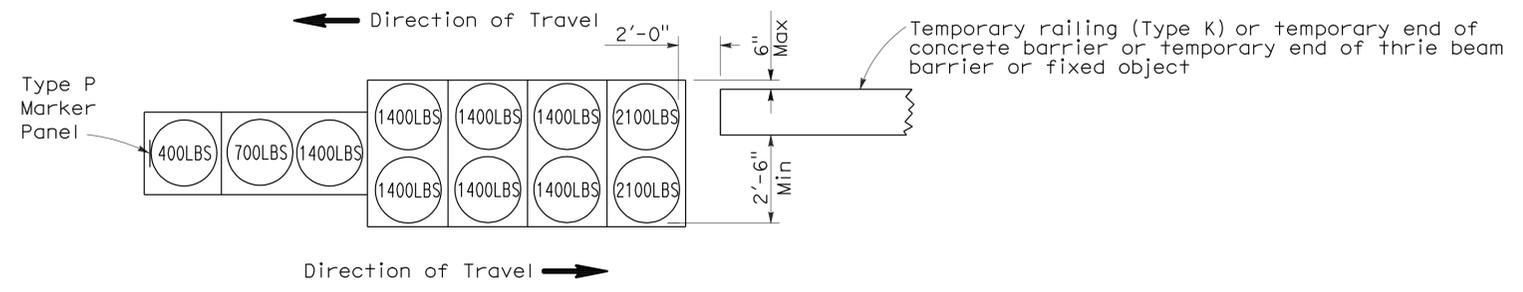
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

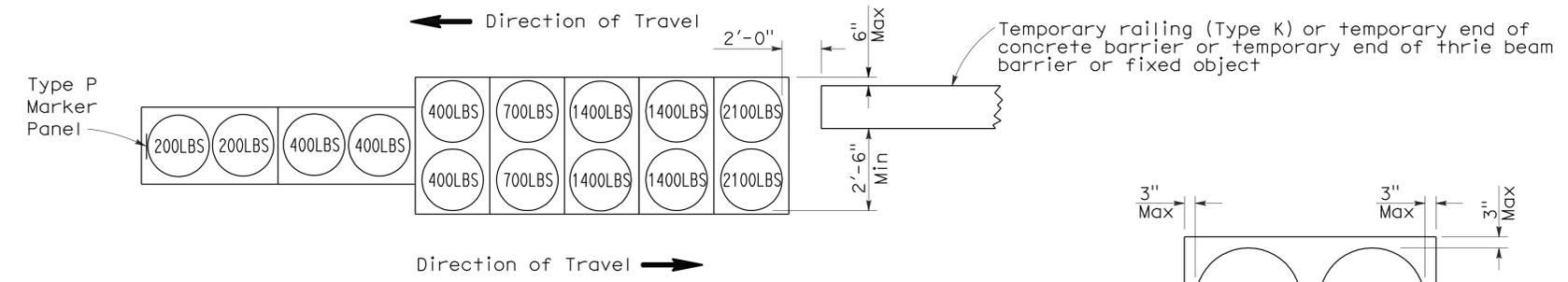
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

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

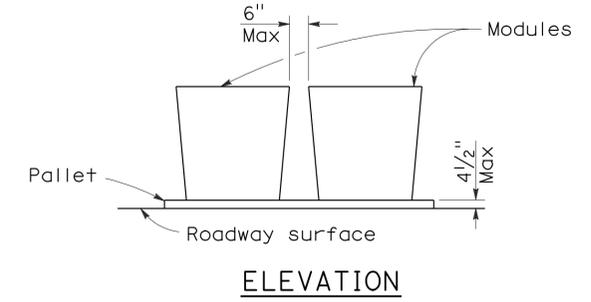
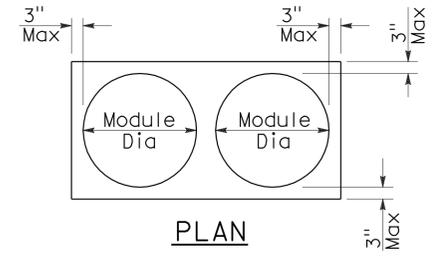
To accompany plans dated 5-18-09



ARRAY 'TB11'
Approach speed less than 45 mph



ARRAY 'TB14'
Approach speed 45 mph or more



CRASH CUSHION PALLET DETAIL
See Note 7

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 Type P marker panel so that the bottom of the panel rests upon the pallet.
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.

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	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Ker	14,58	18.2,R114.6	13	13

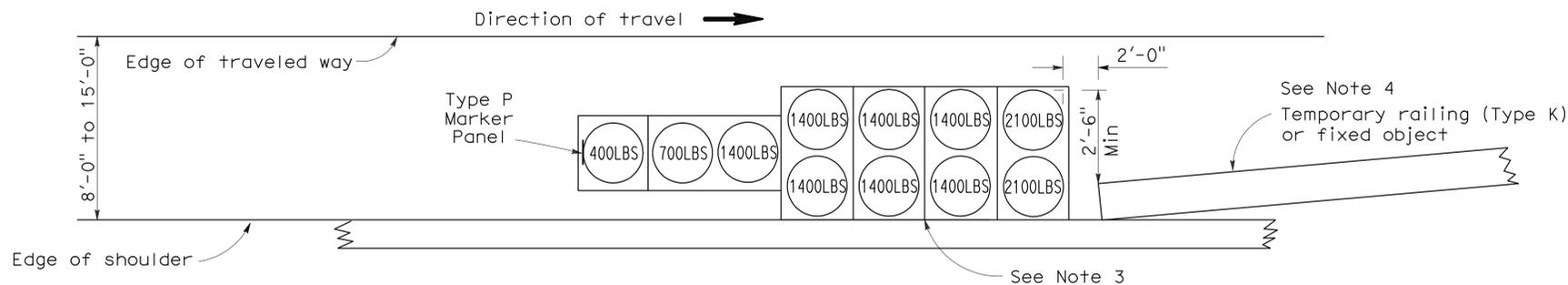
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

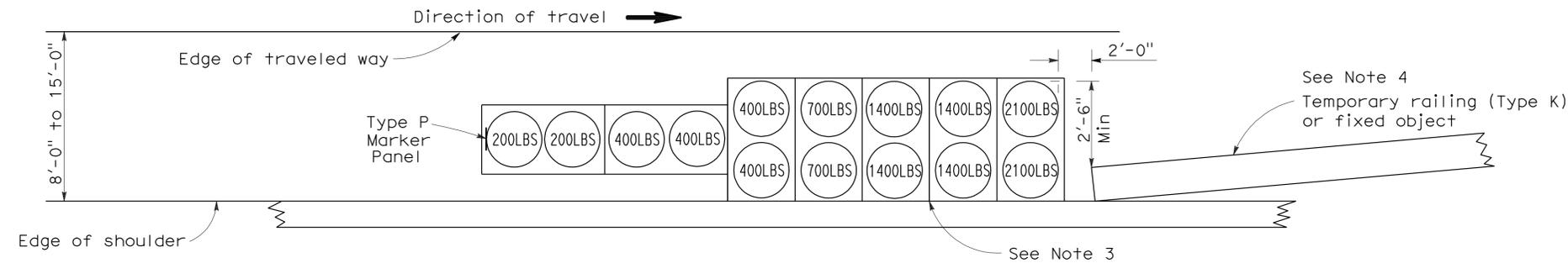
Randell D. Hiatt
REGISTERED PROFESSIONAL ENGINEER
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

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.

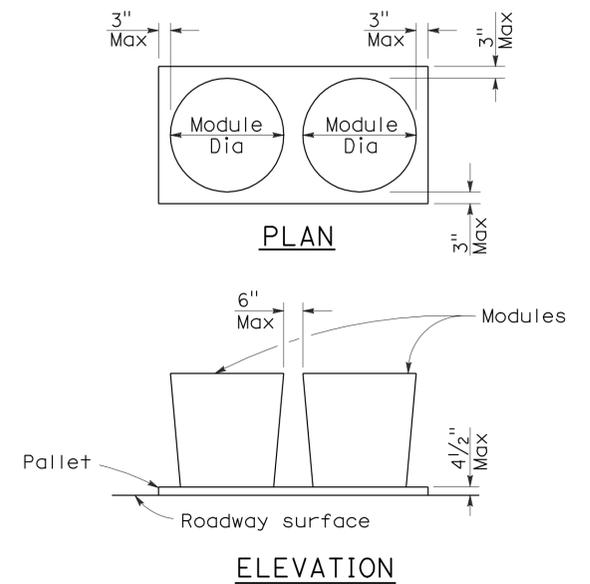
To accompany plans dated 5-18-09



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



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



CRASH CUSHION PALLET DETAIL
See Note 11

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.

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

2006 REVISED STANDARD PLAN RSP T2

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