

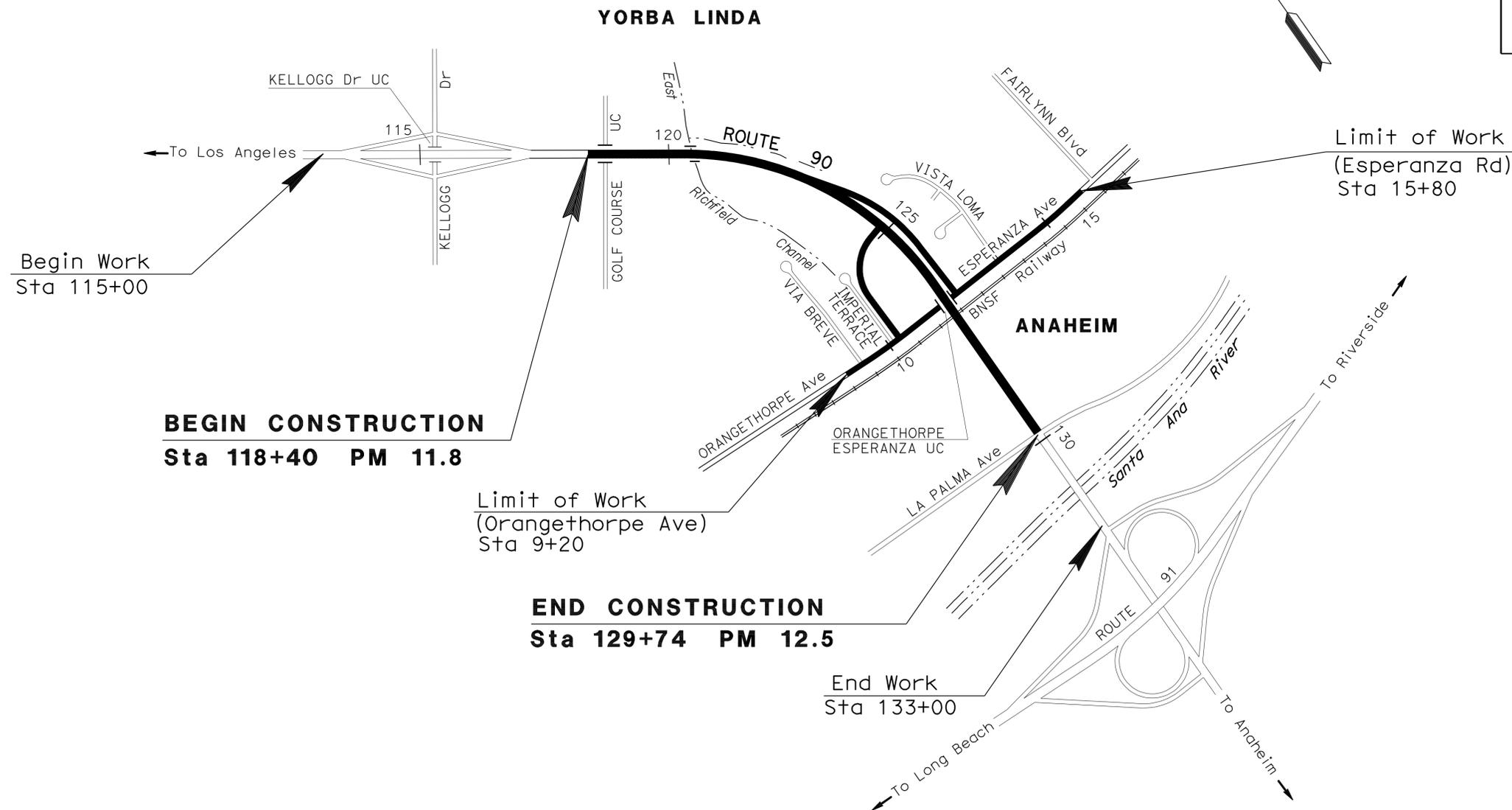
INDEX OF PLANS

SHEET No.	DESCRIPTION
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7	PLANT LIST
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16-17	LANDSCAPE DETAILS
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20	CONSTRUCTION AREA SIGNS
21	ELECTRICAL SERVICE (IRRIGATION) PLAN
22-37	REVISED AND NEW STANDARD PLANS

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

STATE OF CALIFORNIA ACSTPE-P090(012)E
DEPARTMENT OF TRANSPORTATION
PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN ORANGE COUNTY
IN YORBA LINDA AND ANAHEIM ON ROUTE 90
FROM 0.6 MILE EAST OF KELLOGG DRIVE
UNDERCROSSING TO LA PALMA AVENUE

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



NO SCALE

PROJECT MANAGER
ERIC DICKSON

SENIOR LANDSCAPE ARCHITECT
ERIC DICKSON

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

John Nowak 11/01/10
 LICENSED LANDSCAPE ARCHITECT



January 24, 2011
 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.

CONTRACT No.	12-056224
PROJECT ID	120000028

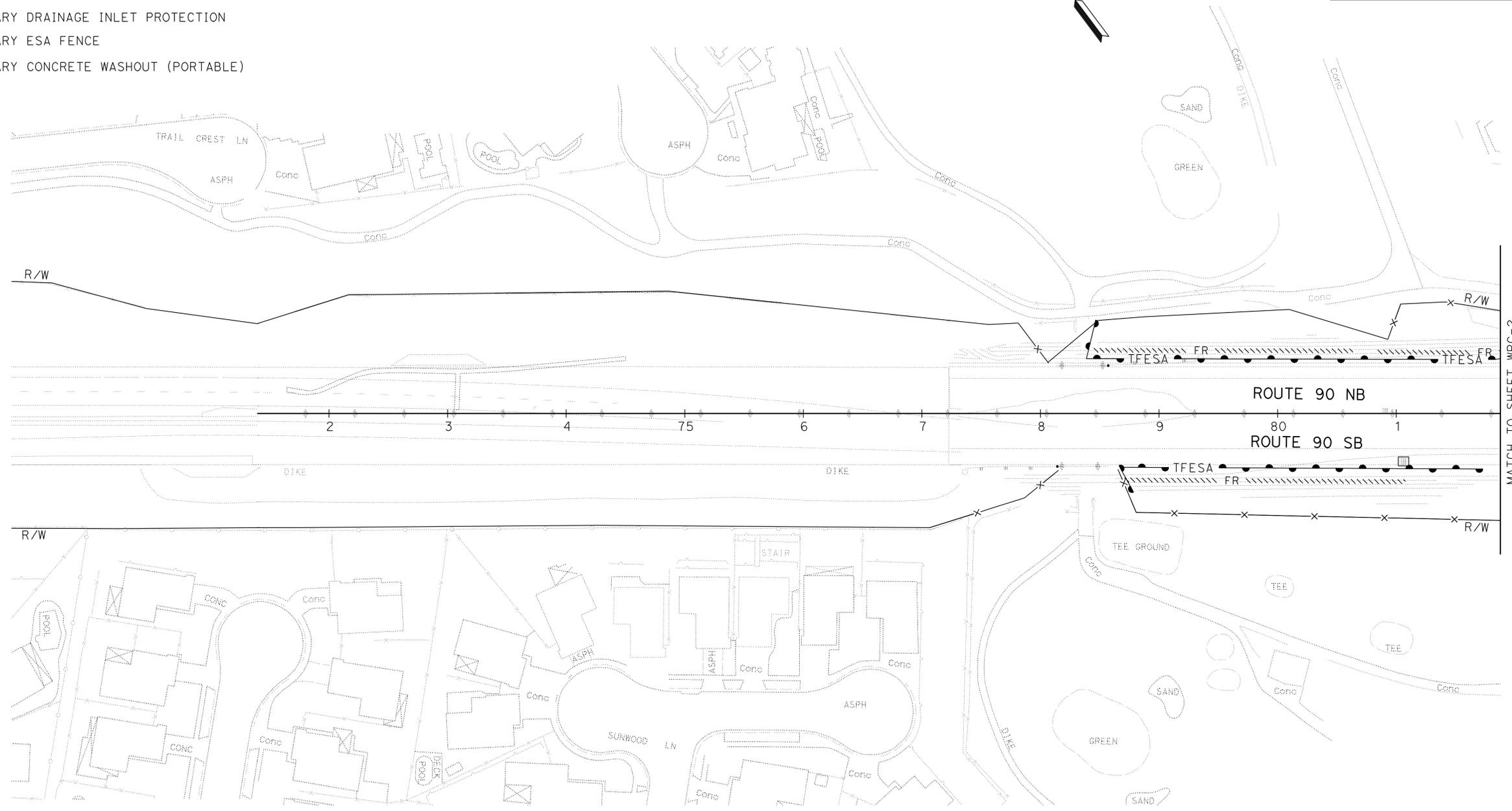
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	90	11.8/12.5	2	37

<i>John Nowak</i>	11/01/10
LICENSED LANDSCAPE ARCHITECT	
1-24-11	PLANS APPROVAL DATE

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NOTE:
FOR ACCURATE RIGHT OF WAY DATA,
CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

- LEGEND:**
- FR TEMPORARY FIBER ROLL
 - TEMPORARY GRAVEL BAG BERM
 - TEMPORARY CONSTRUCTION ENTRANCE
 - TEMPORARY DRAINAGE INLET PROTECTION
 - TFESA TEMPORARY ESA FENCE
 - PCC WASH TEMPORARY CONCRETE WASHOUT (PORTABLE)



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
LANDSCAPE ARCHITECTURE
 SENIOR LANDSCAPE ARCHITECT
 ERIC DICKSON
 CALCULATED/DESIGNED BY
 CHECKED BY
 LONDON MARES
 JOHN NOWAK
 REVISOR BY
 DATE REVISOR
 L M
 10-25-10

TEMPORARY WATER POLLUTION CONTROL PLANS

SCALE: 1" = 50'

WPC-1

THIS PLAN IS ACCURATE FOR TEMPORARY WATER POLLUTION CONTROL WORK ONLY.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	90	11.8/12.5	3	37

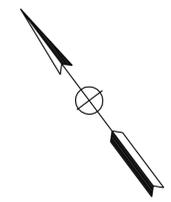
John Nowak 11/01/10
 LICENSED LANDSCAPE ARCHITECT

1-24-11
 PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS
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 THE ACCURACY OR COMPLETENESS OF SCANNED
 COPIES OF THIS PLAN SHEET.

NOTE:

FOR ACCURATE RIGHT OF WAY DATA,
 CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



**TEMPORARY WATER POLLUTION
 CONTROL PLANS**

SCALE: 1" = 50'

WPC-2

THIS PLAN IS ACCURATE FOR TEMPORARY WATER POLLUTION CONTROL WORK ONLY.

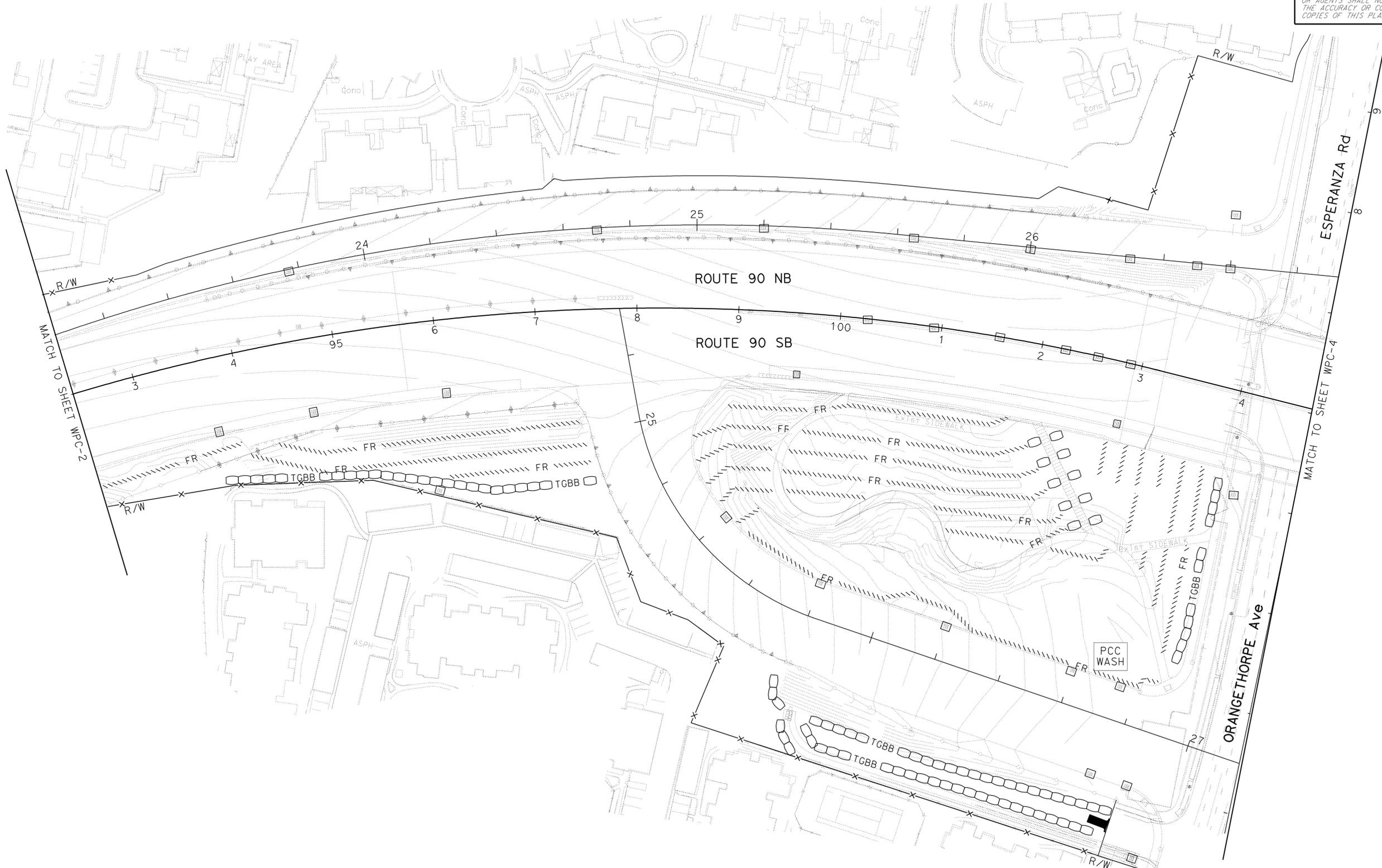
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
LANDSCAPE ARCHITECTURE
 SENIOR LANDSCAPE ARCHITECT
 ERIC DICKSON
 CALCULATED/DESIGNED BY
 CHECKED BY
 LONDON MARES
 JOHN NOWAK
 REVISED BY
 DATE REVISED
 10-25-10
 L M

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	90	11.8/12.5	4	37
		11/01/10			
		LISCENSED LANDSCAPE ARCHITECT			
		1-24-11			
		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 ACCURATE RIGHT OF WAY DATA,
CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT
 ERIC DICKSON

CALCULATED/DESIGNED BY
 CHECKED BY

LONDON MARES
 JOHN NOWAK

REVISED BY
 DATE REVISED
 L M
 10-25-10

TEMPORARY WATER POLLUTION CONTROL PLANS
WPC-3

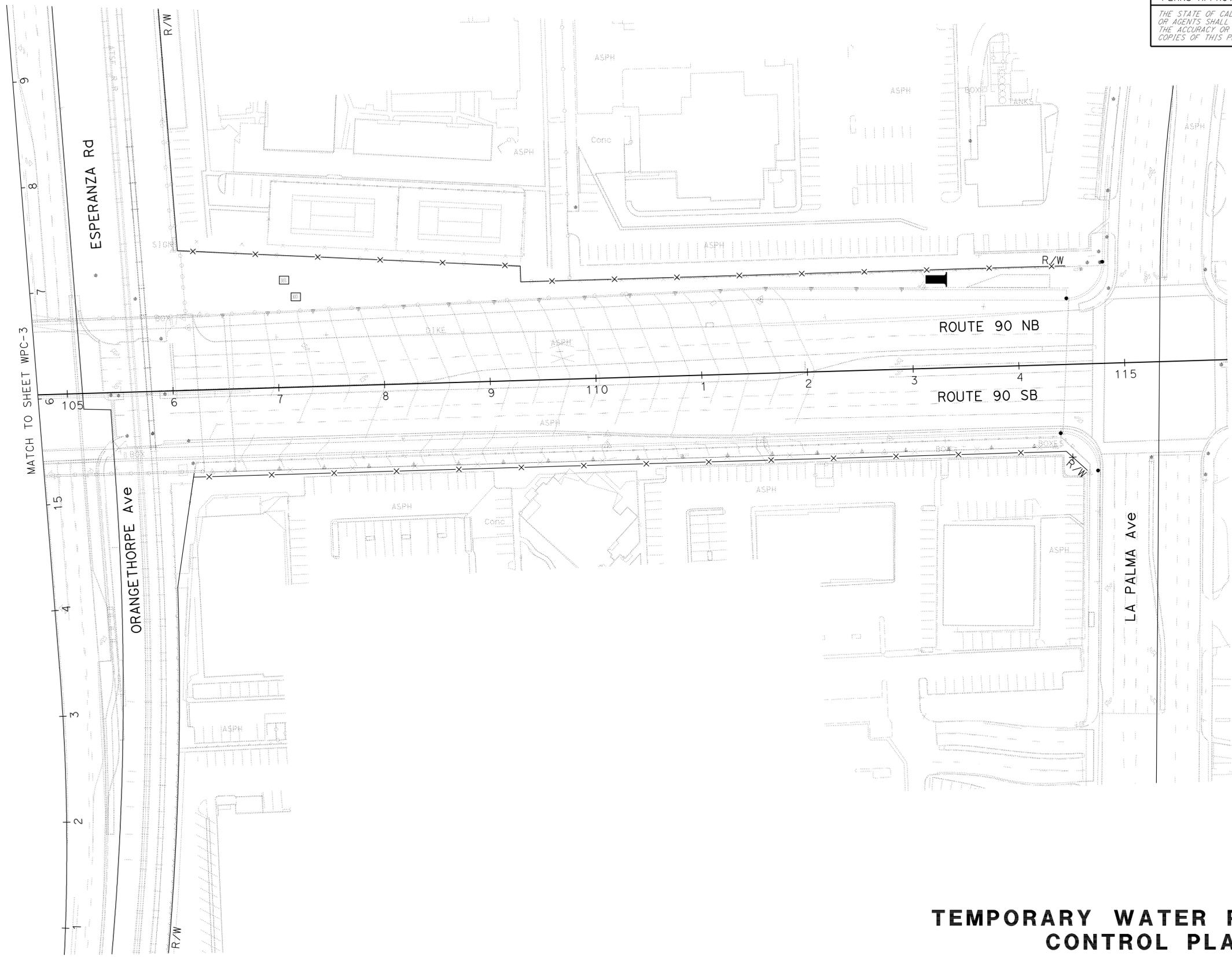
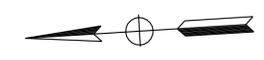
THIS PLAN IS ACCURATE FOR TEMPORARY WATER POLLUTION CONTROL WORK ONLY.

SCALE: 1" = 50'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT	LANDON MARES	REVISOR	L M
ERIC DICKSON	JOHN NOWAK	DATE REVISOR	10-25-10
CALCULATED/DESIGNED BY			
CHECKED BY			

NOTE:
 FOR ACCURATE RIGHT OF WAY DATA,
 CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

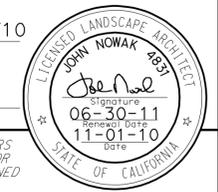


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	90	11.8/12.5	5	37

11/01/10
 LICENSED LANDSCAPE ARCHITECT

1-24-11
 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.



TEMPORARY WATER POLLUTION CONTROL PLANS

SCALE: 1" = 50'

WPC-4

THIS PLAN IS ACCURATE FOR TEMPORARY WATER POLLUTION CONTROL WORK ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT
 ERIC DICKSON

CALCULATED, DESIGNED BY
 CHECKED BY

LANDON MARES
 JOHN NOWAK

REVISED BY
 DATE REVISED

L M
 10-25-10

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	90	11.8/12.5	6	37

11/01/10
 LICENSED LANDSCAPE ARCHITECT

1-24-11
 PLANS APPROVAL DATE

06-30-11
 11-01-10

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.

TEMPORARY WATER POLLUTION AND EROSION CONTROL QUANTITIES

SHEET No.	TEMPORARY FIBER ROLL	TEMPORARY GRAVEL BAG BERM	TEMPORARY CONCRETE WASHOUT (PORTABLE)	TEMPORARY DRAINAGE INLET PROTECTION	TEMPORARY CONSTRUCTION ENTRANCE	TEMPORARY FENCE (TYPE ESA)
	LF	LF	LUMP SUM	EA	EA	LF
WPC-1	555			1		500
WPC-2	280			1		
WPC-3	3750	1500		30	1	
WPC-4				2	1	
TOTAL	4585	1500	LUMP SUM	34	2	500

TEMPORARY WATER POLLUTION CONTROL QUANTITIES

WPCQ-1

LAST REVISION | DATE PLOTTED => 26-JAN-2011 11-01-10 TIME PLOTTED => 10:03

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	90	11.8/12.5	7	37

11/01/10
 LICENSED LANDSCAPE ARCHITECT
 Signature: *John Nowak*
 06-30-11
 11-01-10
 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:
 UNDERLINED PORTIONS OF BOTANICAL NAME INDICATE ABBREVIATIONS USED ON PLANTING PLANS.

PLANT LIST AND PLANTING SPECIFICATIONS

PLANT GROUP	PLANT No.	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY EACH	HOLE SIZE (INCH)		BASIN TYPE	IRON SULFATE	SOIL AMEND	COMMERCIAL FERTILIZER		BASIN MULCH	STAKING	PLANTING LIMITS						REMARKS	
							Dia	DEPTH				PLANTING	PLT ESTB			TRVD WAY	PVMT	FENCE	WALL	FROM CENTER (F+)			
																				PAVED DITCH	EARTH DITCH		
A	1	*	<u>DIETES</u> <u>BICOLOR</u>	AFRICAN IRIS	NO. 1	3489	②	②	II	—	—	—	—	0.50 CF	—	—	—	—	6	8	2.5	SHRUB	
	2	▬	<u>PARTHENOCISSUS</u> <u>TRICUSPIDATA</u>	BOSTON IVY	NO. 1	168	②	②	II	—	—	—	—	0.50 CF	—	—	6	6	6	6	8	10	VINE
	3	⊗	<u>SALIX</u> <u>GOODINGII</u>	BLACK WILLOW	NO. 1	38	②	②	II	—	—	—	—	0.50 CF	—	—	8	10	10	8	10	6	SHRUB
	4	⊙	<u>SALIX</u> <u>LASIOLEPIS</u>	ARROYO WILLOW	NO. 1	28	②	②	II	—	—	—	—	0.50 CF	—	—	8	10	10	8	10	6	SHRUB
	5	▲	<u>SAMBUCUS</u> <u>MEXICANA</u>	ELDERBERRY	NO. 1	24	②	②	II	—	—	—	—	0.50 CF	—	—	10	10	8	10	6	④	SHRUB
B	6	●	<u>PLUMBAGO</u> <u>AURICULATA</u>	CAPE PLUMBAGO	NO. 5	198	②	②	II	—	—	—	—	0.75 CF	—	—	6	6	6	6	8	④	SHRUB
F	7	▨	<u>LONICERA</u> <u>HALLIANA</u>	HALLS HONEYSUCKLE	IN FLATS	80550	②	②	—	—	—	—	—	—	—	—	6	6	6	6	8	1	GROUNDCOVER
	8	▩	<u>MYOPORUM</u> "PARVIFOLIUM"	NCN	IN FLATS	60600	②	②	—	—	—	—	—	—	—	—	6	6	6	6	8	1	GROUNDCOVER
U	9	⊗	<u>CERCIS</u> <u>CANADENSIS</u> 'FOREST PANSY'	EASTERN REDBUD	NO. 15	22	②	②	II	—	—	—	—	1.0 CF	—	—	15	15	15	15	15	④	SHRUB
	10	⊙	<u>PLATANUS</u> <u>RACEMOSA</u>	CALIFORNIA SYCAMORE	NO. 15	28	②	②	II	—	—	—	—	1.0 CF	X	30	—	15	15	15	17	④	TREE
	11	⊙	<u>PINUS</u> <u>CANARIENSIS</u>	CANARY ISLAND PINE	NO. 15	8	②	②	II	—	—	—	—	1.0 CF	X	40	—	20	20	20	22	④	TREE
	12	⊙	<u>ALNUS</u> <u>RHOMBIFOLIA</u>	ALDER	NO. 15	46	②	②	II	—	—	—	—	1.0 CF	X	40	—	30	25	20	22	④	TREE
	13	⊙	<u>LAGERSTROEMIA</u> <u>INDICA</u>	CRAPE MYRTLE	NO. 15	40	②	②	II	—	—	—	—	1.0 CF	—	30	—	15	15	15	17	④	MULTI-TRUNK TREE
	14	⊙	<u>LIQUIDAMBAR</u> <u>SIYRACIFLUA</u>	LIQUIDAMBAR	NO. 15	24	②	②	II	—	—	—	—	1.0 CF	X	30	—	20	20	10	12	④	TREE
	15	⊗	<u>TABEBUIA</u> <u>HETEROPHYLLA</u>	PINK TRUMPET TREE	NO. 15	38	②	②	II	—	—	—	—	1.0 CF	X	40	—	30	25	20	22	④	TREE

LEGEND:

- EROSION CONTROL (HYDROSEED) (TYPE 1): 18075 SQFT
- EROSION CONTROL (HYDROSEED) (TYPE 2): 13825 SQFT
- ROCK BLANKET: 2500 SQYD
- EXISTING ROCK BLANKET
- GRAVEL (MISCELLANEOUS AREAS): 585 SQYD

ABBREVIATIONS:

- AMEND — AMENDMENT
- B & B — BALLED AND BURLAPPED
- Dia — DIAMETER
- EA — EACH
- LB — POUND
- Oz — OUNCE
- F+ — FOOT/FEET
- SQFT — SQUARE FEET
- SQYD — SQUARE YARD
- CF — CUBIC FEET
- Max — MAXIMUM
- Min — MINIMUM
- NCN — NO COMMON NAME
- No. — NUMBER
- Pkt — PACKET
- PLT ESTB — PLANT ESTABLISHMENT
- Pvmt — PAVEMENT
- R/W — RIGHT OF WAY
- SF — STATE-FURNISHED
- TRVD — TRAVELED

APPLICABLE WHEN CIRCLED:

- 1 - QUANTITIES SHOWN ARE "PER PLANT" UNLESS SHOWN AS SQFT OR SQYD APPLICATION RATES.
- ② - SUFFICIENT TO RECEIVE ROOT BALL.
- 3 - DOES NOT APPLY TO MULCH AREAS.
- ④ - AS SHOWN ON PLANS.
- 5 - UNLESS OTHERWISE SHOWN ON PLANS.
- 6 - SEE DETAIL.
- 7 - SEE SPECIAL PROVISIONS.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 LANDSCAPE ARCHITECTURE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: ERIC DICKSON
 LONDON MARES: JOHN NOWAK
 REVISIONS: L M 10-25-10

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

LOCATIONS OF UTILITY FACILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

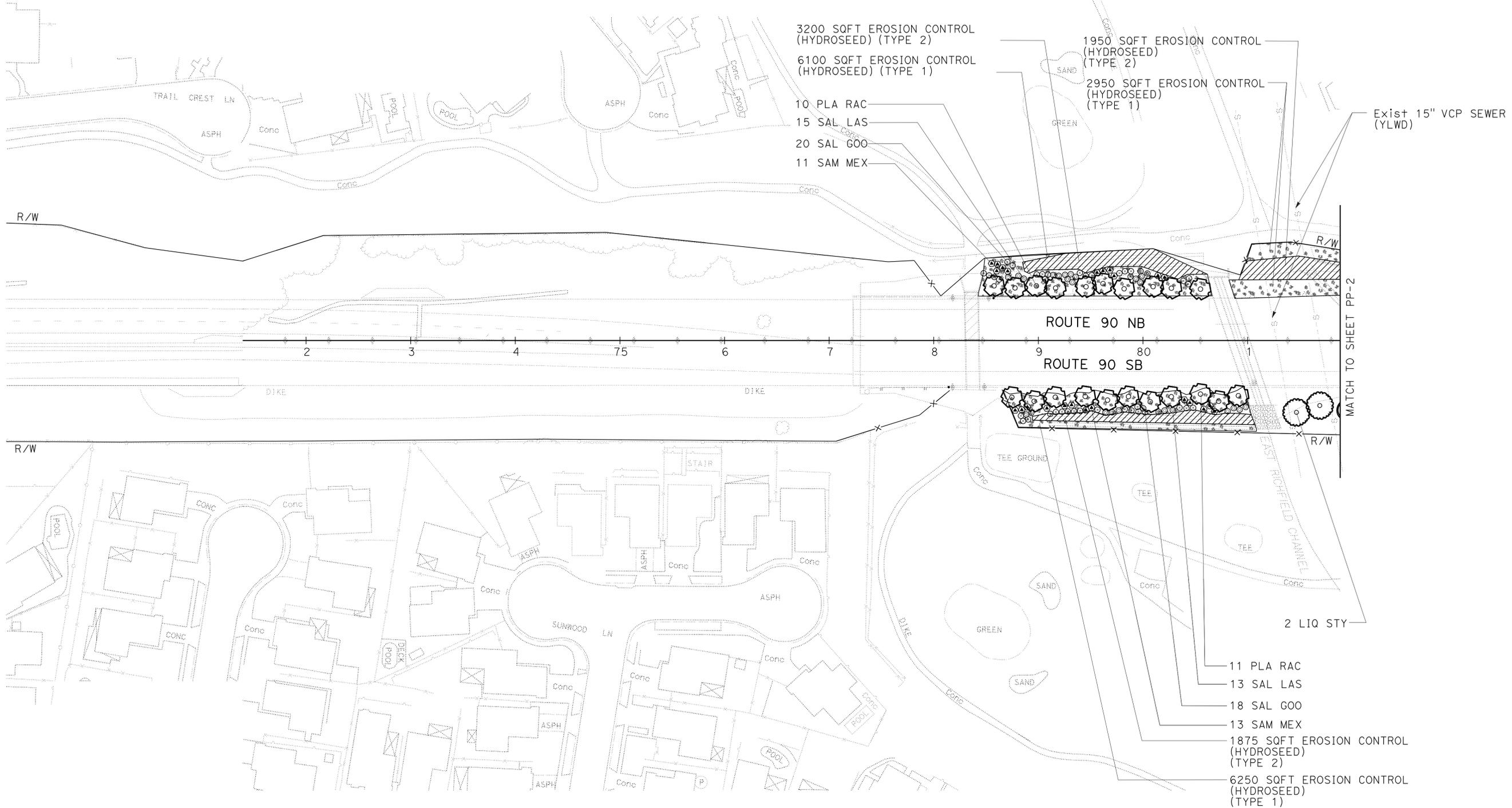
ABBREVIATIONS:

- YLWD - YORBA LINDA WATER DISTRICT
- SCE - SOUTHERN CALIFORNIA EDISON
- SCG - SOUTHERN CALIFORNIA GAS
- AT&T - AMERICAN TELEPHONE & TELEGRAPH
- CO - CHEVRON OIL
- COP - CITY OF PLACENTIA



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	90	11.8/12.5	8	37

11/01/10
 LICENSED LANDSCAPE ARCHITECT
 Signature: *John Nowak*
 06-30-11
 11-01-10
 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.



- 11 PLA RAC
- 13 SAL LAS
- 18 SAL GOO
- 13 SAM MEX
- 1875 SQFT EROSION CONTROL (HYDROSEED) (TYPE 2)
- 6250 SQFT EROSION CONTROL (HYDROSEED) (TYPE 1)

PLANTING PLAN
 SCALE: 1" = 50'
PP-1

THIS PLAN IS ACCURATE FOR PLANTING WORK ONLY.

LAST REVISION DATE PLOTTED => 26-JAN-2011 10-25-10 TIME PLOTTED => 10:03

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	90	11.8/12.5	9	37

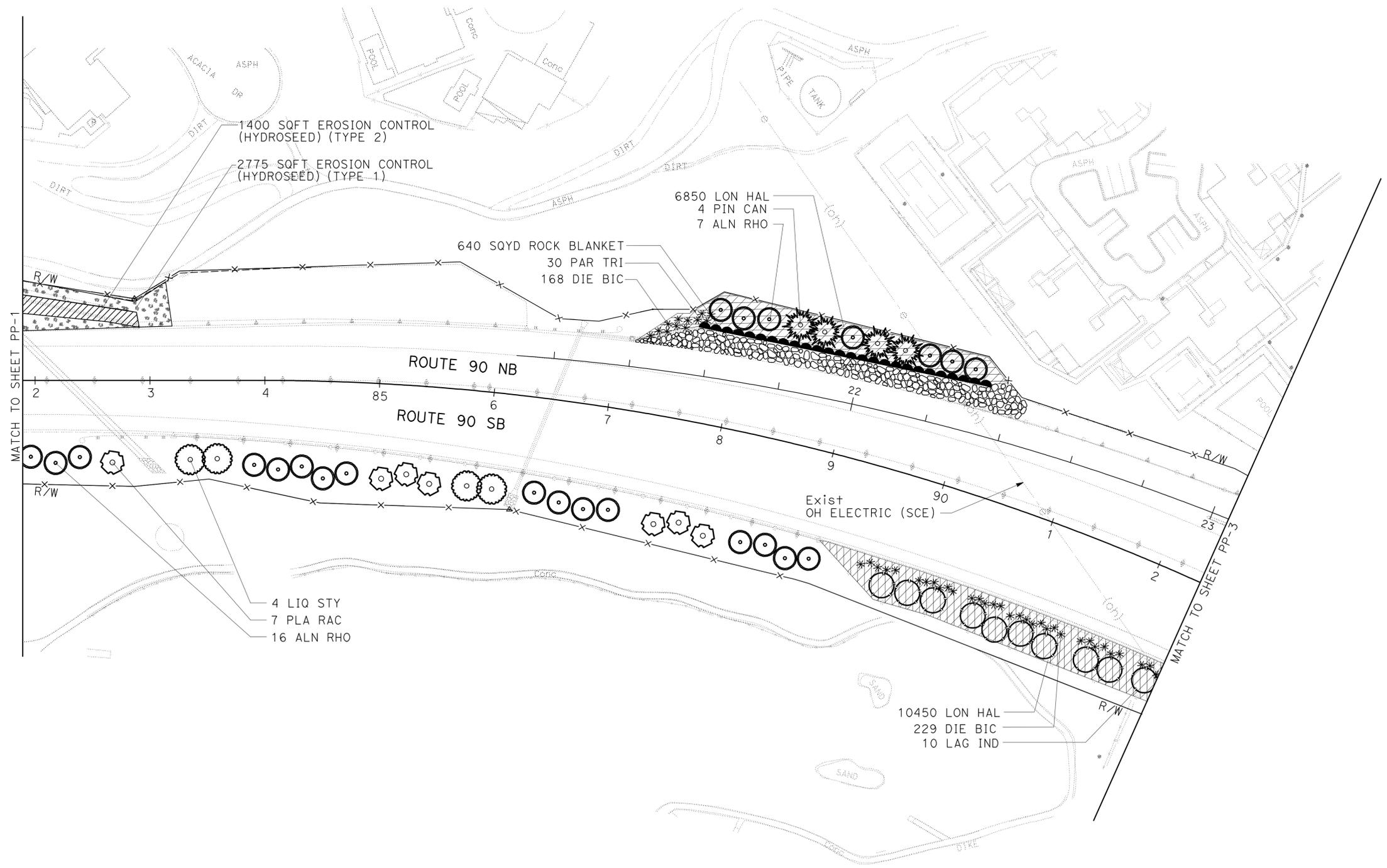
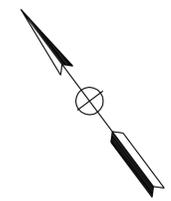
<i>John Nowak</i>	11/01/10
LICENSED LANDSCAPE ARCHITECT	
1-24-11	PLANS APPROVAL DATE

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	LANDSCAPE ARCHITECTURE	SENIOR LANDSCAPE ARCHITECT	LANDON MARES	REVISOR	L M
Caltrans	LANDSCAPE ARCHITECTURE	ERIC DICKSON	JOHN NOWAK	DATE REVISOR	10-25-10
				CALCULATED/DESIGNED BY	
				CHECKED BY	

PLANTING PLAN
SCALE: 1" = 50'
PP-2

THIS PLAN IS ACCURATE FOR PLANTING WORK ONLY.

LAST REVISION DATE PLOTTED => 26-JAN-2011 TIME PLOTTED => 10:03

NOTE:

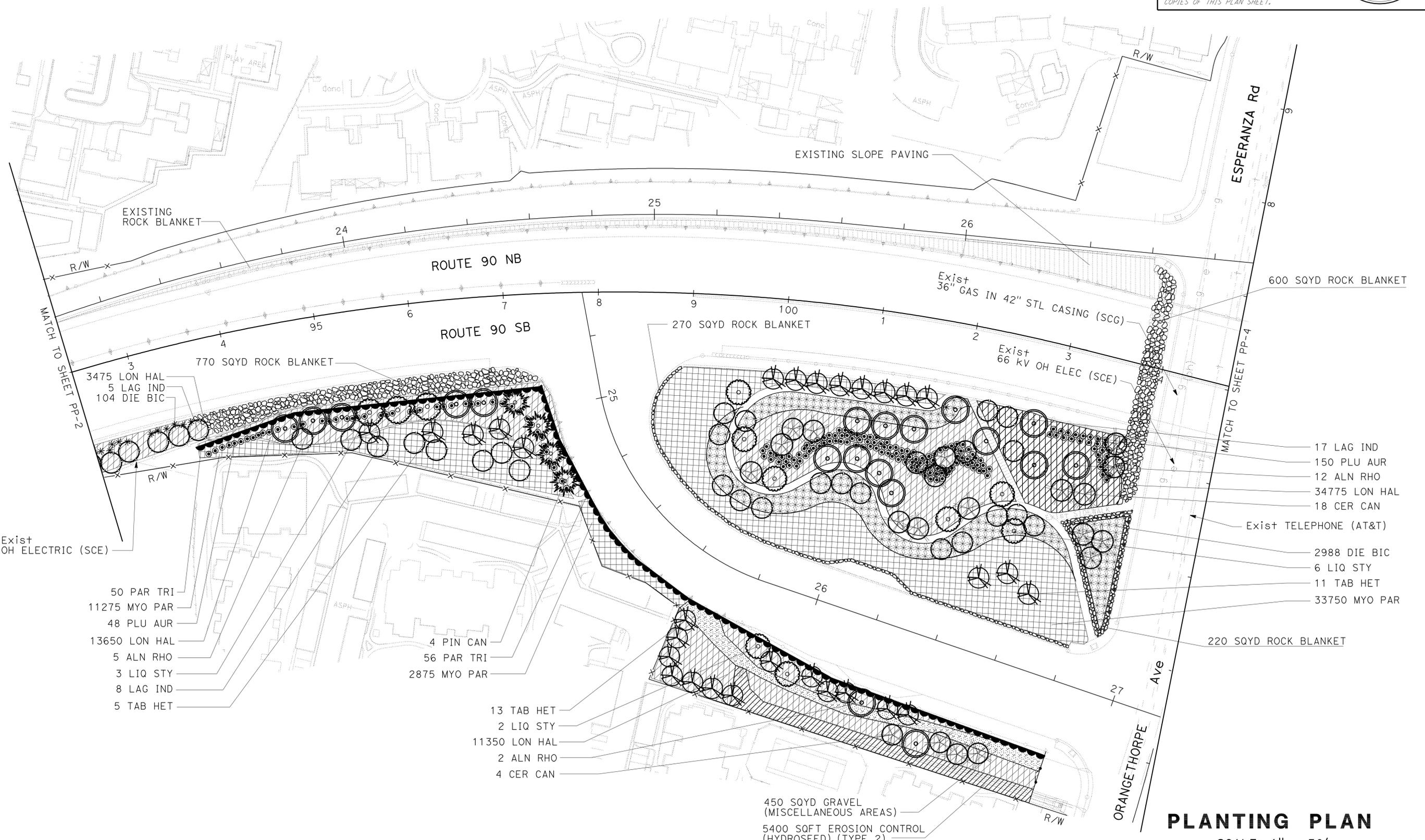
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	90	11.8/12.5	10	37

11/01/10
LICENSSED LANDSCAPE ARCHITECT

1-24-11
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COPIES OF THIS PLAN SHEET.



3475 LON HAL
5 LAG IND
104 DIE BIC

770 SQYD ROCK BLANKET

270 SQYD ROCK BLANKET

Exist 36" GAS IN 42" STL CASING (SCG)
Exist 66 kV OH ELEC (SCE)

600 SQYD ROCK BLANKET

17 LAG IND
150 PLU AUR
12 ALN RHO
34775 LON HAL
18 CER CAN

Exist TELEPHONE (AT&T)

2988 DIE BIC
6 LIQ STY
11 TAB HET
33750 MYO PAR

220 SQYD ROCK BLANKET

50 PAR TRI
11275 MYO PAR
48 PLU AUR
13650 LON HAL
5 ALN RHO
3 LIQ STY
8 LAG IND
5 TAB HET

4 PIN CAN
56 PAR TRI
2875 MYO PAR

13 TAB HET
2 LIQ STY
11350 LON HAL
2 ALN RHO
4 CER CAN

450 SQYD GRAVEL
(MISCELLANEOUS AREAS)
5400 SQFT EROSION CONTROL
(HYDROSEED) (TYPE 2)

PLANTING PLAN
SCALE: 1" = 50' **PP-3**

THIS PLAN IS ACCURATE FOR PLANTING WORK ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: ERIC DICKSON

LANDON MARES: JOHN NOWAK

REVISOR: L M

DATE: 10-25-10

CALCULATED/DESIGNED BY: ERIC DICKSON

CHECKED BY: JOHN NOWAK

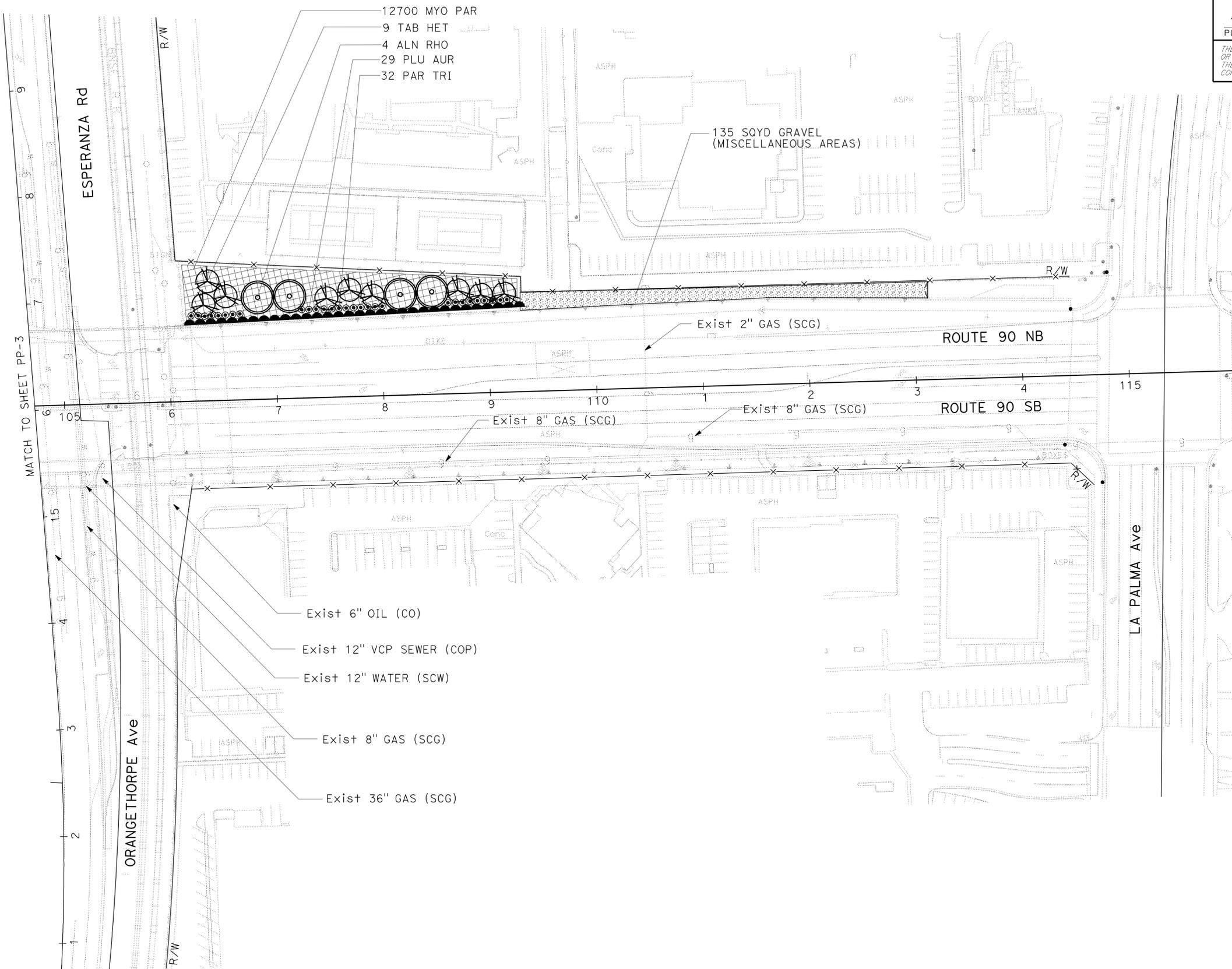
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 LANDSCAPE ARCHITECTURE
 SENIOR LANDSCAPE ARCHITECT
 ERIC DICKSON
 CALCULATED/DESIGNED BY
 CHECKED BY
 LONDON MARES
 JOHN NOWAK
 REVISED BY
 DATE REVISED
 L M
 10-25-10

NOTE:
 FOR ACCURATE RIGHT OF WAY DATA,
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	90	11.8/12.5	11	37

11/01/10
 LICENSED LANDSCAPE ARCHITECT
 Signature: *John Nowak*
 1-24-11
 PLANS APPROVAL DATE
 Signature: *John Nowak*
 06-30-11
 11-01-10
 Date

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PLANTING PLAN
 SCALE: 1" = 50'
PP-4

THIS PLAN IS ACCURATE FOR PLANTING WORK ONLY.

LAST REVISION: 10-25-10
 DATE PLOTTED => 26-JAN-2011
 TIME PLOTTED => 10:04

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 LANDSCAPE ARCHITECTURE
 SENIOR LANDSCAPE ARCHITECT ERIC DICKSON
 CALCULATED/DESIGNED BY
 CHECKED BY
 LONDON MARES JOHN NOWAK
 REVISED BY DATE REVISED
 L M 10-25-10

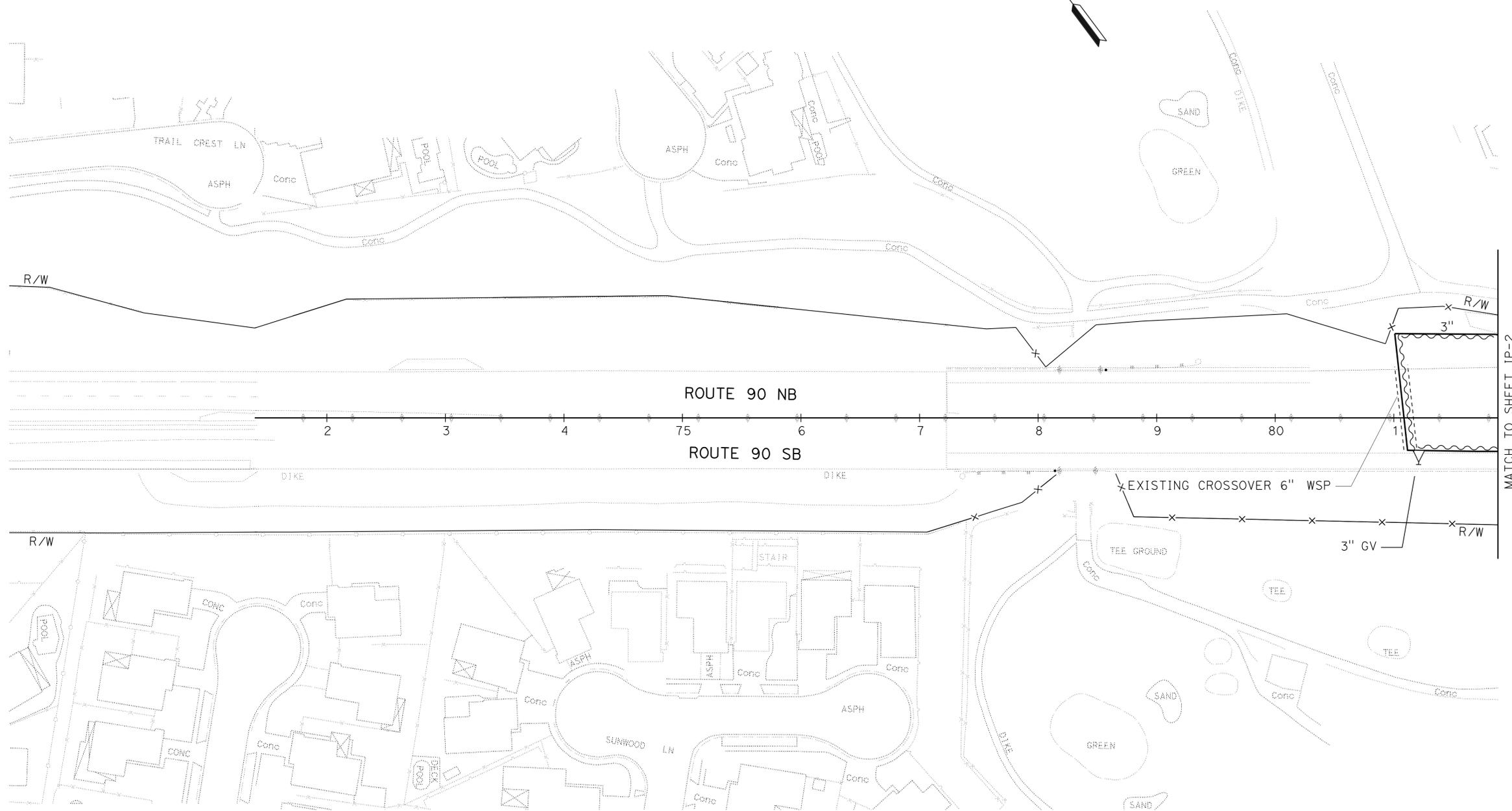
NOTE:

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	90	11.8/12.5	12	37

11/01/10
 LICENSED LANDSCAPE ARCHITECT
 Signature: *John Nowak*
 1-24-11
 PLANS APPROVAL DATE
 Signature: *John Nowak*
 06-30-11
 11-01-10
 Date
 LICENSED LANDSCAPE ARCHITECT
 JOHN NOWAK 4831
 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.



IRRIGATION PLAN
 SCALE: 1" = 50'
IP-1

THIS PLAN IS ACCURATE FOR IRRIGATION WORK ONLY.

LAST REVISION | DATE PLOTTED => 26-JAN-2011
 10-25-10 TIME PLOTTED => 10:04

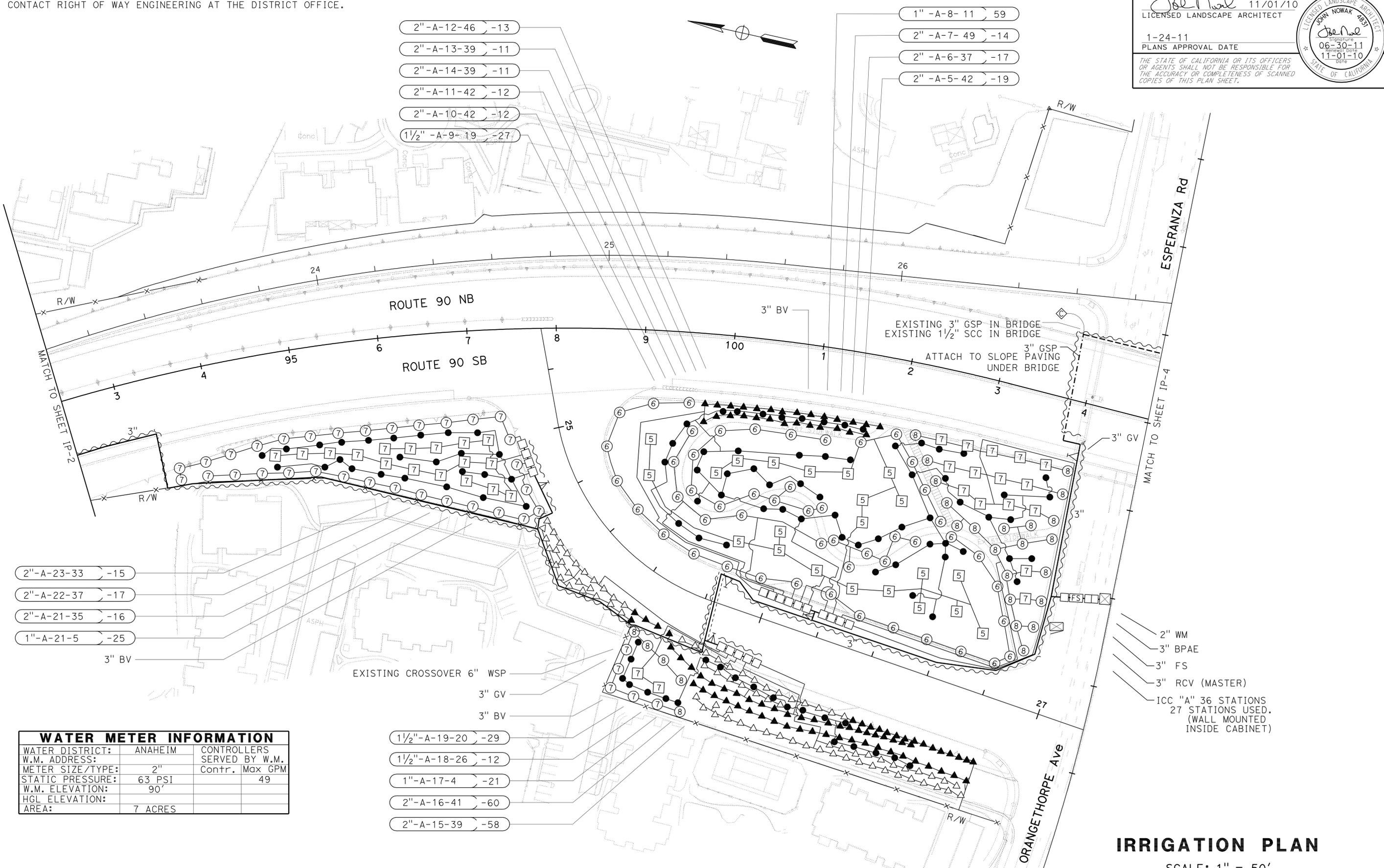
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	90	11.8/12.5	14	37

11/01/10
 LICENSED LANDSCAPE ARCHITECT
 Signature: *John Nowak*
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 Signature: *John Nowak*
 06-30-11
 11-01-10
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 FOR ACCURATE RIGHT OF WAY DATA,
 CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
LANDSCAPE ARCHITECTURE
 LANDON MARES
 JOHN NOWAK
 ERIC DICKSON
 SENIOR LANDSCAPE ARCHITECT
 L M
 10-25-10
 REVISOR BY DATE REVISION
 CALCULATED/DESIGNED BY CHECKED BY
 x x x x x



WATER METER INFORMATION		
WATER DISTRICT:	ANAHEIM	CONTROLLERS SERVED BY W.M.
W.M. ADDRESS:		Contr. Max GPM
METER SIZE/TYPE:	2"	49
STATIC PRESSURE:	63 PSI	
W.M. ELEVATION:	90'	
HGL ELEVATION:		
AREA:	7 ACRES	

THIS PLAN IS ACCURATE FOR IRRIGATION WORK ONLY.



IRRIGATION PLAN
 SCALE: 1" = 50'
IP-3

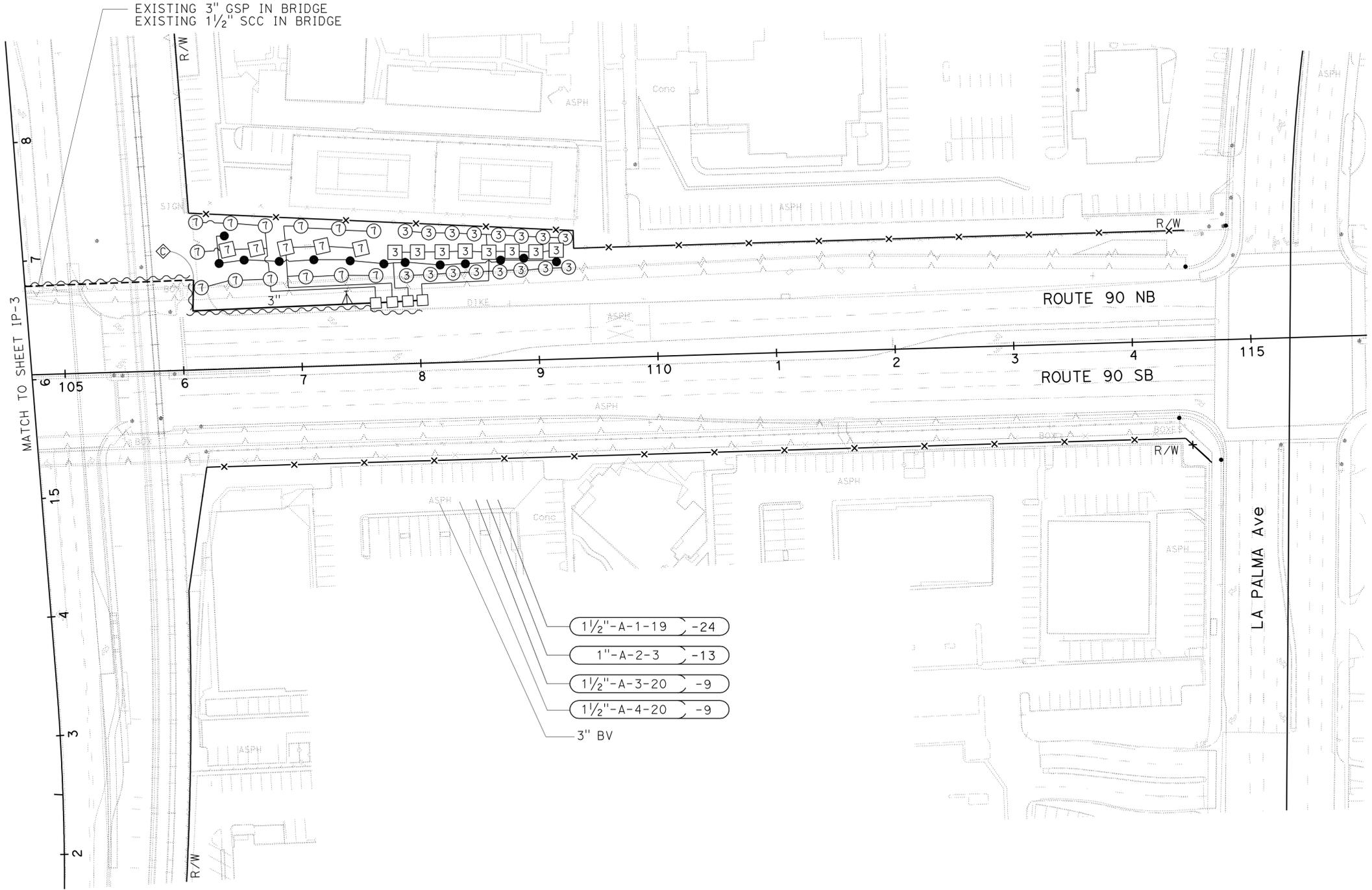
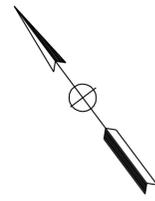
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	90	11.8/12.5	15	37

John Nowak 11/01/10
 LICENSED LANDSCAPE ARCHITECT

1-24-11
 PLANS APPROVAL DATE

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NOTE:
 FOR ACCURATE RIGHT OF WAY DATA,
 CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	LANDSCAPE ARCHITECTURE	SENIOR LANDSCAPE ARCHITECT	CALCULATED/DESIGNED BY	LANDON MARES	REVISOR	L M
Caltrans	LANDSCAPE ARCHITECTURE	ERIC DICKSON	CHECKED BY	JOHN NOWAK	DATE REVISED	10-25-10

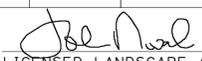
THIS PLAN IS ACCURATE FOR IRRIGATION WORK ONLY.



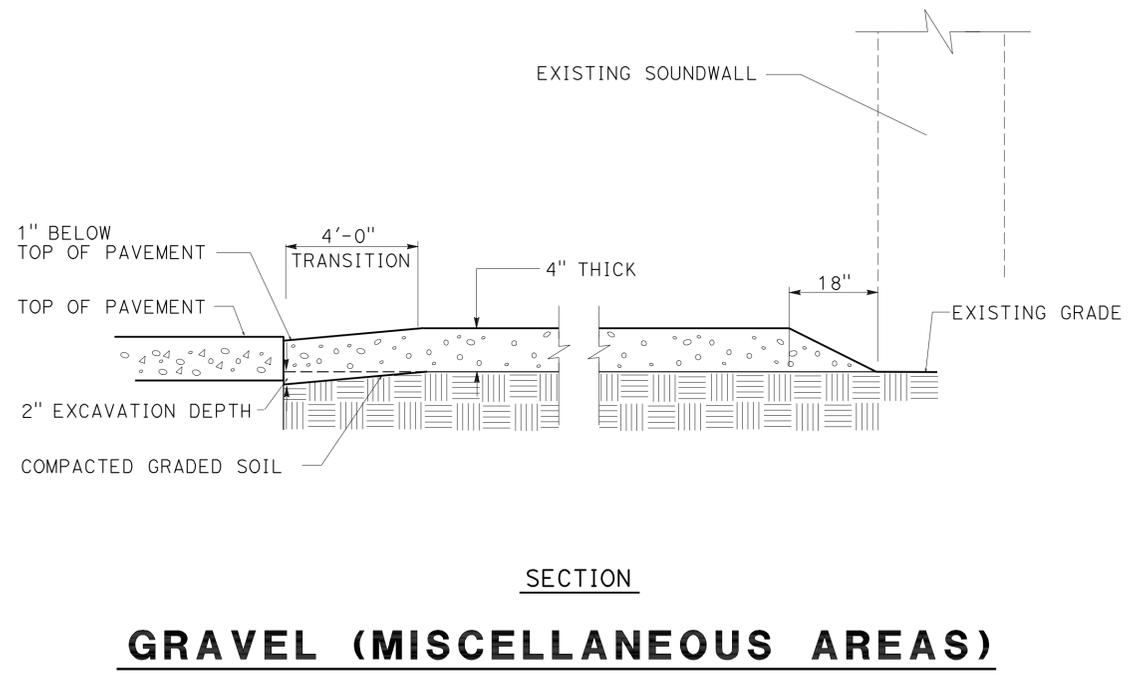
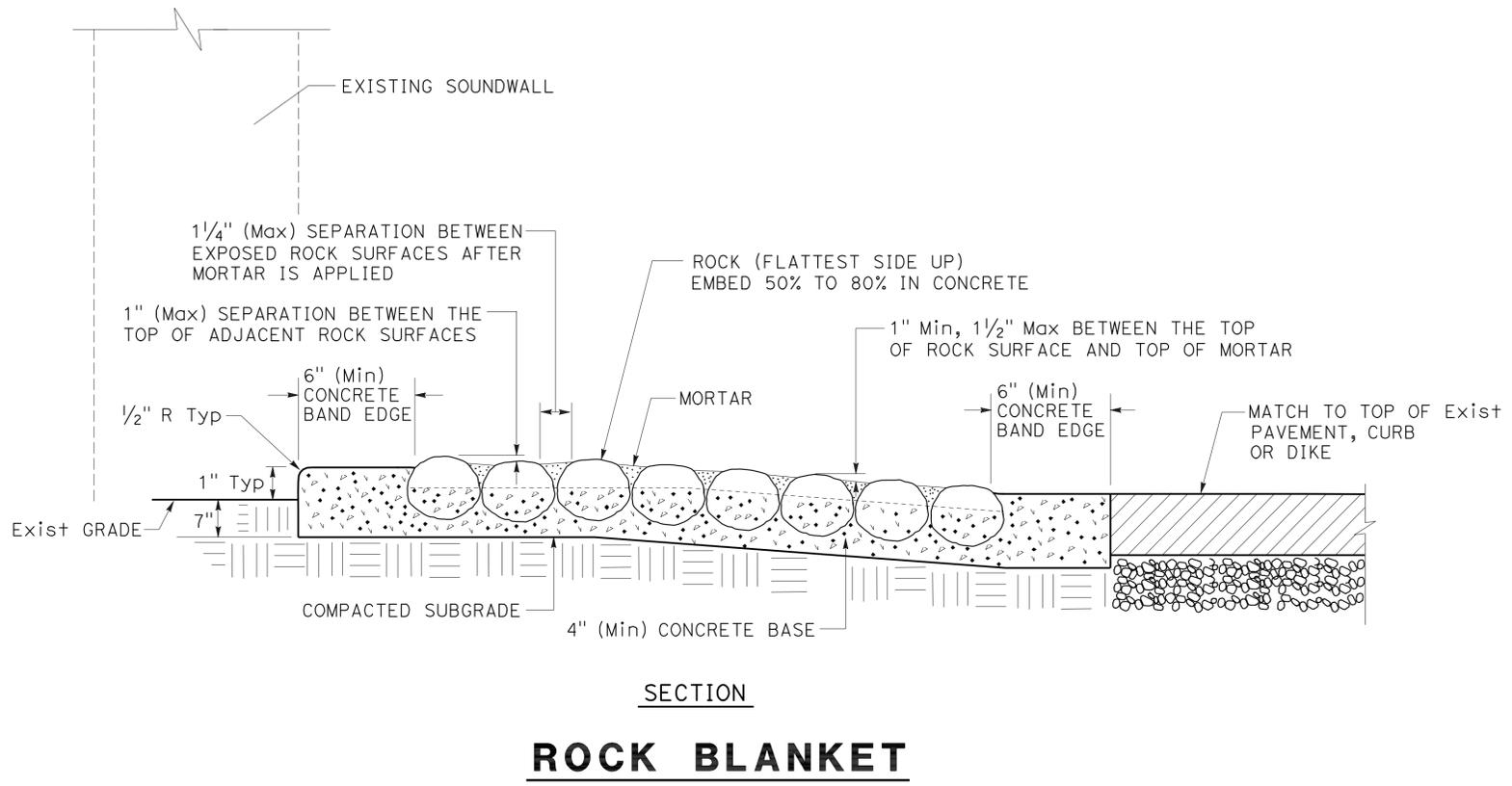
IRRIGATION PLAN

SCALE: 1" = 50

IP-4

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	90	11.8/12.5	16	37
 11/01/10 LICENSED LANDSCAPE ARCHITECT					
1-24-11 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>					

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 LANDSCAPE ARCHITECTURE
 SENIOR LANDSCAPE ARCHITECT
 ERIC DICKSON
 CALCULATED/DESIGNED BY
 CHECKED BY
 LONDON MARES
 JOHN NOWAK
 REVISED BY
 DATE REVISED
 L M
 10-25-10



LANDSCAPE DETAILS

NO SCALE

LD-1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	90	11.8/12.5	17	37

11/01/10
 LICENSED LANDSCAPE ARCHITECT
 Signature: *John Nowak*
 06-30-11
 11-01-10
 PLANS APPROVAL DATE
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SPRINKLER SCHEDULE

SYMBOL	TYPE	DESCRIPTION	SPRAY PATTERN	OPERATING PRESSURE (PSI)	PRESSURE COMPENSATING	PLUS/MINUS 5% ②				MATERIAL	INLET CONNECTION (NPT INCH)	POSITIVE-LOCKING ADJ ARC STOP	BACKSLASH PREVENTER	DIFFUSER PIN	DISTANCE CONTROL FLAP	ADJ DISCHARGE	RISER						REMARKS			
						DISCHARGE		RADIUS (Ft)	WIDTH X LENGTH (Ft)								MATERIAL		SIZE (IPS INCH)	HEIGHT (INCH)	FLOW SHUTOFF DEVICE	SWING JOINT (TYPE)		RISER SUPPORT	SPRINKLER PROTECTOR (TYPE)	
						GALLONS PER MINUTE (GPM)	GALLONS PER HOUR (GPH)										PLASTIC	GALVANIZED								
③	A-3	GEAR DRIVEN	P	25	X	0.77	—	20	—	PL	3/4	—	—	—	—	—	IV	X	—	3/4	18	X	III	—	—	
③	A-3	GEAR DRIVEN	F	25	X	0.77	—	20	—	PL	3/4	—	—	—	—	—	IV	X	—	3/4	18	X	III	—	—	
⑤	A-5	GEAR DRIVEN	F	35	X	3.50	—	40	—	PL	3/4	—	—	—	—	—	IV	X	—	3/4	18	X	III	—	—	
⑥	A-6	GEAR DRIVEN	P	35	X	3.50	—	40	—	PL	3/4	—	—	—	—	—	—	X	—	3/4	—	—	I	—	I	12" POP-UP W/PROTECTOR
⑦	A-7	GEAR DRIVEN	P	25	X	2.17	—	30	—	PL	3/4	—	—	—	—	—	IV	X	—	3/4	18	X	III	—	—	
⑦	A-7	GEAR DRIVEN	F	25	X	2.17	—	30	—	PL	3/4	—	—	—	—	—	IV	X	—	3/4	18	X	III	—	—	
⑧	A-8	GEAR DRIVEN	P	25	X	2.17	—	30	—	PL	3/4	—	—	—	—	—	—	X	—	3/4	—	—	I	—	I	12" POP-UP W/PROTECTOR
△	B-1	SHRUB SPRAY	P	25	X	0.54	—	15	—	PL	1/2	—	—	—	—	—	I	X	—	1/2	18	X	III	—	—	
▲	B-2	SHRUB SPRAY	P	25	X	0.54	—	15	—	PL	1/2	—	—	—	—	—	—	X	—	1/2	—	—	I	—	I	12" POP-UP W/PROTECTOR
●	C-3	SPRAY	Q	15	X	0.18	—	5	—	PL	1/2	—	—	—	—	—	I	X	—	1/2	12	X	III	—	—	ONE PER TREE

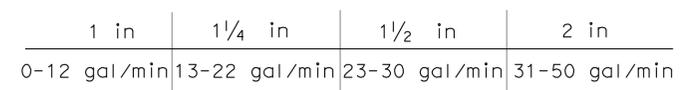
ABBREVIATIONS

- | | |
|---------------------------|-------------------------------|
| F — full circle | Ft — feet/foot |
| P — part circle | GPM — gallons per minute |
| F/P — full/part circle | GPH — gallons per hour |
| Q — quarter circle | Adj — adjustable |
| T — third circle | PL — plastic |
| H — half circle | B/B — brass/bronze |
| TT — two third circle | B/PL — brass/plastic |
| TQ — three quarter circle | B/B/PL — brass/bronze/plastic |
| CST — center strip | NPT — national pipe thread |
| SST — side strip | IPS — iron pipe size |
| EST — end strip | PSI — pounds per square inch |

X IN BOX DENOTES REQUIREMENT

APPLICABLE WHEN CIRCLED BELOW:

- See Special Provisions.
- If a pressure compensating device is specified, the discharge and radii shown reflect its use.
- Arc Stop shall be fitted with a nut and bolt.
- Vinyl-coated cast iron housing.
- Swing Joints required adjacent to shoulders, curbs, sidewalks, and dikes.
- Unless otherwise shown on plans.



PIPE SIZING CHART ALL SPRINKLERS (PVC SCH 40) (SIZE LATERAL LINE)

SPRINKLER SCHEDULE

LD-2

LAST REVISION DATE PLOTTED => 26-JAN-2011 10-25-10 TIME PLOTTED => 10:04

SUBTOTALS PER PLAN SHEET ON MAIN SUPPLY SIDE OF CONTROL VALVE

TOTAL QUANTITIES

DESCRIPTION	UNIT	SHEET NUMBER												SUBTOTALS	
		1	2	3	4										
BPA 3"	EA		1												1
ENCLOSURE	EA		1												1
BOOSTER PUMP															
IRRI 36 STATION	EA			1											1
IRRI STATION															
IRRI STATION															
CEC SINGLE	EA		1												1
CEC DOUBLE															
BV 3"	EA		1	3	1										5
RCV 1"	EA			3	1										4
RCV 1/2"	EA			3	3										6
RCV 2"	EA		4	13											17
RCV 3"	EA														
GV 3"	EA	1		2											3
FS 3"	EA			1											
SCH 40															
PR 315 3"	F+	275	1680	2200	375										4530
GSP 3"	F+			150											150
DIP															

TOTALS	UNIT	DESCRIPTION	
1	EA	3"	BPA
1	EA	ENCLOSURE	BPA
1	EA	BOOSTER PUMP	
1	EA	36 STATION	IRRI
1	EA	STATION	IRRI
1	EA	STATION	IRRI
1	EA	SINGLE	CEC
1	EA	DOUBLE	CEC
5	EA	3"	BV
4	EA	1"	RCV
6	EA	1/2"	RCV
17	EA	2"	RCV
1	EA	3"	RCV
3	EA	3"	GV
3	EA	3"	FS
1	EA	3"	FS
10515	F+	1"	SCH 40
2485	F+	1 1/4"	SCH 40
430	F+	1 1/2"	SCH 40
3555	F+	2"	SCH 40
4530	F+	3"	PR 315
150	F+	3"	GSP
30	EA	A-3	DIP
18	EA	A-5	DIP
55	EA	A-6	DIP
108	EA	A-7	DIP
26	EA	A-8	DIP
69	EA	B-1	DIP
105	EA	B-2	DIP
129	EA	C-3	DIP

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Oran	90	11.8/12.5	19	37

11/01/10
 1-24-11
 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.



ABBREVIATIONS

- | | | |
|------------------------------------|-----------------------------|--------------------------------------|
| BPA — BACKFLOW PREVENTER ASSEMBLY | FCV — FLOW CONTROL VALVE | PR — PRESSURE RATED |
| BV — BALL VALVE | FS — FLOW SENSOR | PRV — PRESSURE REDUCING VALVE |
| CV — CHECK VALVE | FV — FLUSH VALVE | PRLV — PRESSURE RELIEF VALVE |
| CEC — CONTROLLER ENCLOSURE CABINET | GSP — GALVANIZED STEEL PIPE | QCV — QUICK COUPLING VALVE |
| CSP — CORRUGATED STEEL PIPE | GV — GATE VALVE | RCV — REMOTE CONTROL VALVE |
| DIP — DUCTILE IRON PIPE | MCV — MANUAL CONTROL VALVE | RCVM — REMOTE CONTROL VALVE (MASTER) |
| EA — EACH | F+ — FOOT/FEET | VAU — VALVE ASSEMBLY UNIT |
| FAU — FILTER ASSEMBLY UNIT | | WSP — WELDED STEEL PIPE |
| | | WS — WYE STRAINER |

IRRIGATION QUANTITIES

IQ-2



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN
 SENIOR LANDSCAPE ARCHITECT ADEL MALEK
 CALCULATED/DESIGNED BY CHECKED BY
 JOHN NOWAK MOSTAFA ALIAKBARZADEH
 REVISED BY MA DATE REVISOR
 DATE REVISOR

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	90	11.8/12.5	20	37

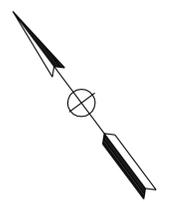
11-01-10
 REGISTERED CIVIL ENGINEER DATE
 1-24-11
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 MOSTAFA ALIAKBARZADEH
 No. C-53003
 Exp. 03-31-11
 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.

CONSTRUCTION AREA SIGNS

SIGN No.	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF POST AND SIZE	No. OF SIGNS
(A)	W20-1	48" x 48"	ROAD WORK AHEAD	2 - 4" x 4"	2
(B)	W20-1	36" x 18"	ROAD WORK AHEAD	1 - 4" x 4"	2
(C)	G20-2	48" x 48"	END ROAD WORK	2 - 4" x 4"	2
(D)	G20-2	42" x 24"	END ROAD WORK	1 - 4" x 4"	1

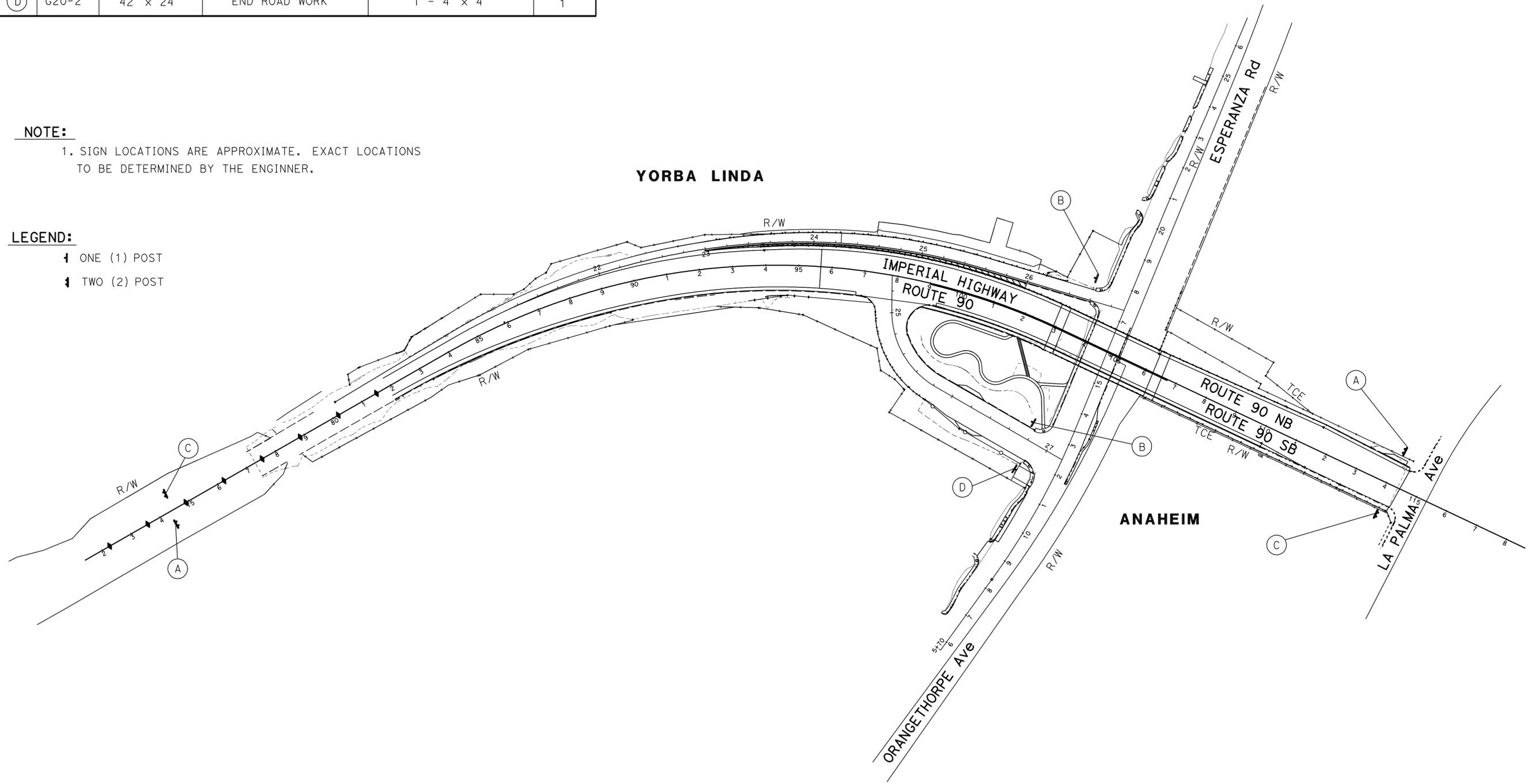


NOTE:

1. SIGN LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER.

LEGEND:

- ↑ ONE (1) POST
- ↑↑ TWO (2) POST



CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

THIS PLAN IS ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY.

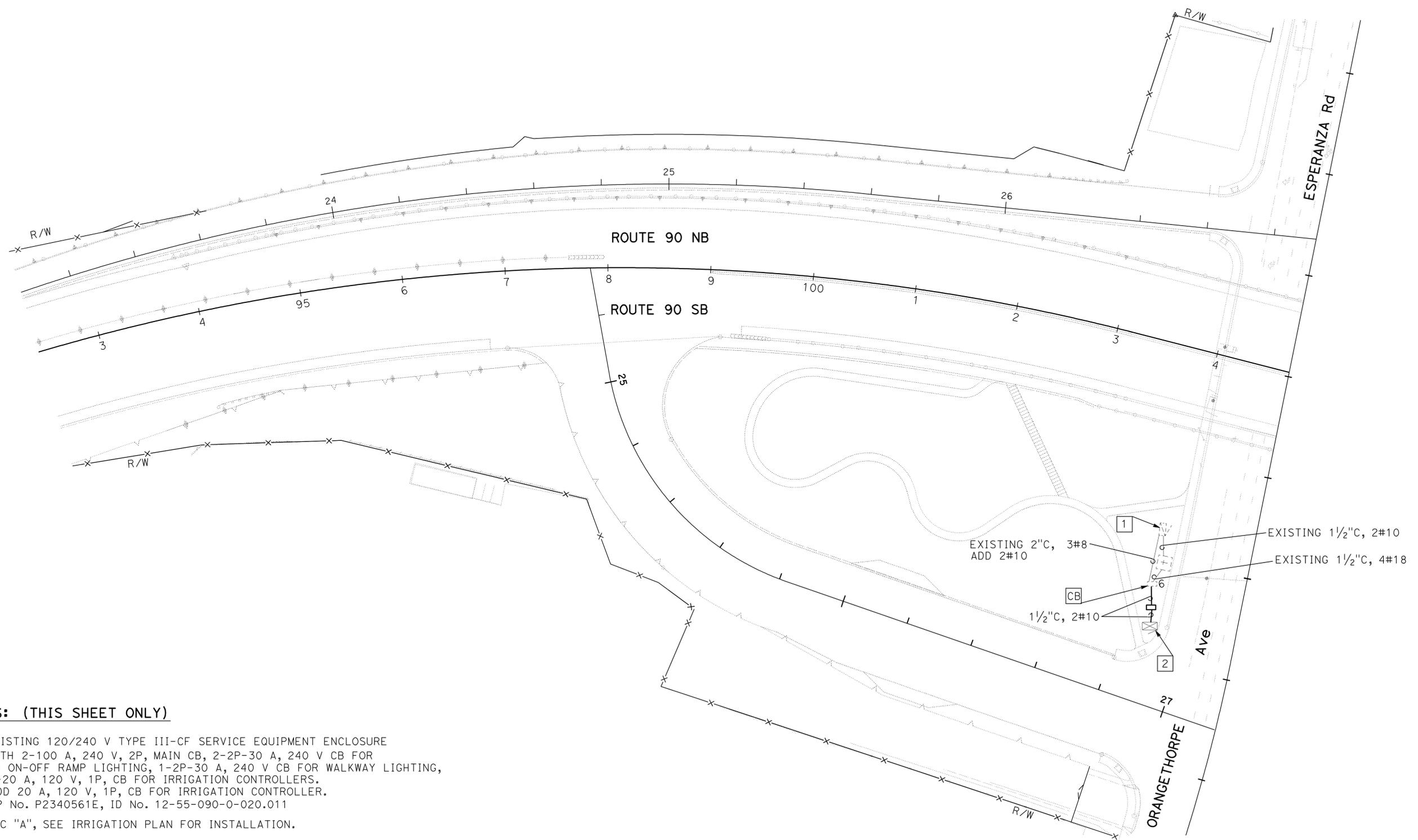
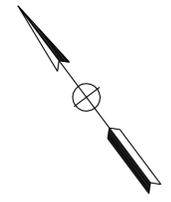
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Oran	90	11.8/12.5	21	37

Mansour Feiz 11-01-10
 REGISTERED ELECTRICAL ENGINEER
 1-24-11
 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.

REGISTERED PROFESSIONAL ENGINEER
 MANSOUR
 FEIZ
 No. E015688
 Exp. 6/30/12
 STATE OF CALIFORNIA
 ELECT.

NOTE:
 FOR ACCURATE RIGHT OF WAY DATA, CONTACT
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



NOTES: (THIS SHEET ONLY)

- 1 EXISTING 120/240 V TYPE III-CF SERVICE EQUIPMENT ENCLOSURE WITH 2-100 A, 240 V, 2P, MAIN CB, 2-2P-30 A, 240 V CB FOR SB ON-OFF RAMP LIGHTING, 1-2P-30 A, 240 V CB FOR WALKWAY LIGHTING, 2-20 A, 120 V, 1P, CB FOR IRRIGATION CONTROLLERS. ADD 20 A, 120 V, 1P, CB FOR IRRIGATION CONTROLLER. PP No. P2340561E, ID No. 12-55-090-0-020.011
- 2 ICC "A", SEE IRRIGATION PLAN FOR INSTALLATION.

ELECTRIC SERVICE (IRRIGATION)

SCALE: 1" = 50'

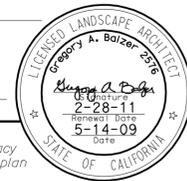
E-1

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans ELECTRICAL DESIGN
 FUNCTIONAL SUPERVISOR: SHAHRAM SHARIARI
 CALCULATED/DESIGNED BY: SHAHRAM SHARIARI
 CHECKED BY: SHAHRAM SHARIARI
 REVISOR: MANSOUR FEIZ
 REVISIONS: SHAHRAM SHARIARI
 DATE: 10-26-10
 MF

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
12	Ora	90	11.8/12.5	22	37

Gregory A. Balzer
 LICENSED LANDSCAPE ARCHITECT
 June 5, 2009
 PLANS APPROVAL DATE
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To accompany plans dated 1-24-11

2006 REVISED STANDARD PLAN RSP H1

A

AB aggregate base
 ABS acrylonitrile-butadiene-styrene
 AC asphalt concrete
 Adj adjacent/adjustable
 AIC auxiliary irrigation controller
 Alt alternative
 AMEND amendment
 ARV air release valve
 AUTO automatic
 AUX auxiliary
 AVB atmospheric vacuum breaker

B

B&B balled and burlapped
 B/B brass/bronze
 B/B/PL brass/bronze/plastic
 B/PL brass/plastic
 BFM bonded fiber matrix
 Bit Ctd bituminous coated
 BP booster pump
 BPA backflow preventer assembly
 BPAE backflow preventer assembly in enclosure
 BPE backflow preventer enclosure
 BV ball valve

C

CAP corrugated aluminum pipe
 CARV combination air release valve
 CCA cam coupler assembly
 CEC controller enclosure cabinet
 CHDPE corrugated high density polyethylene
 CL chain link
 CNC control and neutral conductors
 Conc concrete
 Cond conduit
 CSP corrugated steel pipe
 CST center strip
 CV check valve

D

Dia diameter
 DIP ductile iron pipe
 DN diameter nominal

E

EA each
 Elect electric/electrical
 Elev elevation
 ENCL enclosure
 EP edge of pavement
 ES edge of shoulder
 EST end strip
 ESTB establishment
 ETW edge of traveled way

F

F full circle
 F/P full/part circle
 FAU filter assembly unit
 FCV flow control valve
 FERT fertilizer
 FG finished grade
 FIPT female iron pipe thread
 FIS fertilizer injector system
 FL flow line
 FM flow monitor
 FS flow sensor
 Ft foot/feet
 FV flush valve

G

GAL Gallon(s)
 Galv galvanized
 GARV garden valve
 GPH gallons per hour
 GPM gallons per minute
 GSP galvanized steel pipe
 GV gate valve

H

H half circle
 HB hose bib
 HDPE high density polyethylene
 HP horsepower/hinge point
 HPL high pressure line
 Hwy highway

I

IC irrigation controller
 ICC irrigation controller(s) in controller enclosure cabinet
 ID inside diameter
 In inches
 IFS irrigation filtration system
 IPS iron pipe size
 IPT iron pipe thread
 Irr irrigation

L

L length
 LF linear foot

M

Max maximum
 MBGR metal beam guard railing
 MCV manual control valve
 MIC master irrigation controller
 Min minimum
 MIPT male iron pipe thread
 Misc miscellaneous
 Mtl material
 MVP maintenance vehicle pullout

N

NCN no common name
 NL nozzle line
 No. number
 NPT national pipe thread

O

O/C on center
 OD outside diameter
 Oz ounce

P

P part circle
 PB pull box
 PCC portland cement concrete
 PE polyethylene
 Pkt packet
 PL plastic
 PLT plant/planting
 PLT ESTB plant establishment
 PM post mile
 PR pressure rated
 PRLV pressure relief valve
 PSFM polymer stabilized fiber matrix
 PSI pounds per square inch
 PRV pressure reducing valve
 PVC polyvinyl chloride
 Pvmt pavement

Q

Q quarter circle
 QCV quick coupling valve

R

R radius
 RCP reinforced concrete pipe
 RCV remote control valve
 RCVM remote control valve (master)
 RCVMF remote control valve (master) w/ flow meter
 RCW recycled/reclaimed water
 RECP rolled erosion control product
 REQ required
 R/W right of way

S

S slip
 SCC sprinkler control conduit
 SCH schedule
 SF state-furnished
 Shld shoulder
 SQFT square foot/feet
 SQYD square yard(s)
 SST side strip
 Sta station
 Std standard
 SW sidewalk/sound wall

T

T third circle/thread
 TLS truck loading standpipe
 TQ three quarter circle
 TRM turf reinforcement mat
 TRVD traveled
 TT two third circle
 Typ typical

U

UG underground

V

VAU valve assembly unit

W

W width
 W/ with
 WM water meter
 WS wye strainer
 WSP welded steel pipe
 WWM welded wire mesh

NOTE:
 FOR ADDITIONAL ABBREVIATIONS,
 SEE STANDARD PLANS A10A AND A10B.

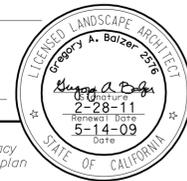
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**PLANTING AND IRRIGATION
 ABBREVIATIONS**

NO SCALE
 RSP H1 DATED JUNE 5, 2009 SUPERSEDES STANDARD PLAN H1
 DATED MAY 1, 2006 - PAGE 201 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP H1

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
12	Ora	90	11.8/12.5	23	37

Gregory A. Balzer
 LICENSED LANDSCAPE ARCHITECT
 June 5, 2009
 PLANS APPROVAL DATE
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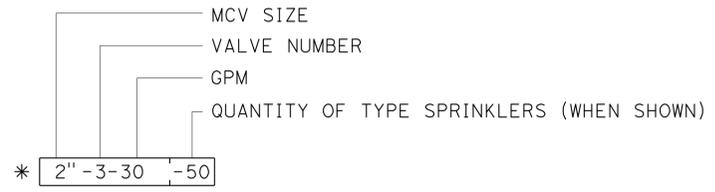
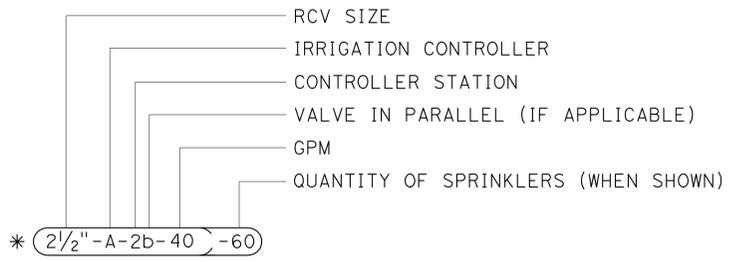
To accompany plans dated 1-24-11

2006 REVISED STANDARD PLAN RSP H2

EXISTING	PROPOSED	ITEM DESCRIPTION
		WATER METER (WM)
		BACKFLOW PREVENTER ASSEMBLY (BPA)
		BACKFLOW PREVENTER ASSEMBLY IN ENCLOSURE (BPAE)
		BACKFLOW PREVENTER ENCLOSURE (BPE)
		BOOSTER PUMP (BP)
		TRUCK LOADING STANDPIPE (TLS)
		FLOW SENSOR (FS)
		MASTER IRRIGATION CONTROLLER (MIC)
		AUXILIARY IRRIGATION CONTROLLER (AIC)
		IRRIGATION CONTROLLER (IC)/ IRRIGATION CONTROLLER (IC) (BATTERY) IRRIGATION CONTROLLER (IC) (SOLAR)
		IRRIGATION CONTROLLER(S) IN CONTROLLER ENCLOSURE CABINET (ICC)
		CONTROL AND NEUTRAL CONDUCTORS (CNC)
		SPRINKLER CONTROL CONDUIT (SCC)
		IRRIGATION CROSSOVER
		EXTEND IRRIGATION CROSSOVER
		IRRIGATION SLEEVE
		DUCTILE IRON PIPE (SUPPLY LINE) (MAIN) (DIP)
		GALVANIZED STEEL PIPE (SUPPLY LINE) (MAIN) (GSP)
		GALVANIZED STEEL PIPE (SUPPLY LINE) (LATERAL) (GSP)
		PLASTIC PIPE (PR 200) (SUPPLY LINE) (MAIN)
		PLASTIC PIPE (PR 200) (SUPPLY LINE) (LATERAL)
		PLASTIC PIPE (IRRIGATION LINE)
		REMOTE CONTROL VALVE (RCV) REMOTE CONTROL VALVE (MASTER) (RCVM) REMOTE CONTROL VALVE (MASTER) W/FLOW METER (RCVMF)
		MANUAL CONTROL VALVE (MCV)
		VALVE ASSEMBLY UNIT (VAU)
		WYE STRAINER (WS)
		FILTER ASSEMBLY UNIT (FAU)
		GATE VALVE (GV)
		BALL VALVE (BV)

EXISTING	PROPOSED	ITEM DESCRIPTION
		QUICK COUPLING VALVE (QCV)
		CAM COUPLER ASSEMBLY (CCA)
		PRESSURE REDUCING VALVE (PRV)
		PRESSURE RELIEF VALVE (PRLV)
		FLOW CONTROL VALVE (FCV)
		COMBINATION AIR RELEASE VALVE (CARV)
		CHECK VALVE (CV)
		FLUSH VALVE (FV)
		NOZZLE LINE W/TURNING UNION
		IRRIGATION SYSTEM
		IRRIGATION SYSTEM TO BE REMOVED
		CHAIN LINK GATE
		QUICK COUPLING VALVE W/SPRINKLER PROTECTOR
		SPRINKLER W/SPRINKLER PROTECTOR
		CONNECT TO EXISTING SYSTEM
		CAP
		CAP EXISTING

VALVE CODE



* VALVE CODES FOR EXISTING VALVES ARE SHOWN IN A DASHED ENCLOSURE.

PLANTING AND IRRIGATION SYMBOLS

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

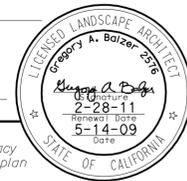
NO SCALE

RSP H2 DATED JUNE 5, 2009 SUPERSEDES RSP H2 DATED MARCH 7, 2008 AND STANDARD PLAN H2 DATED MAY 1, 2006 - PAGE 202 OF THE STANDARD PLANS BOOK DATED MAY 2006.

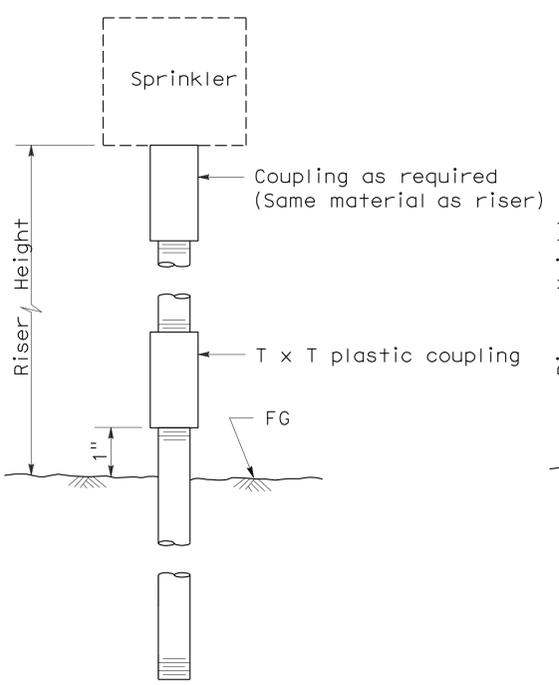
REVISED STANDARD PLAN RSP H2

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
12	Ora	90	11.8/12.5	24	37

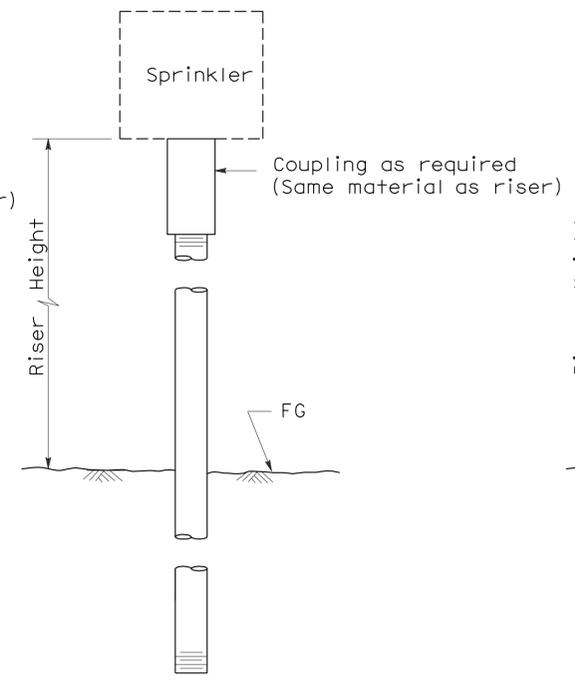
Gregory A. Balzer
 LICENSED LANDSCAPE ARCHITECT
 June 5, 2009
 PLANS APPROVAL DATE
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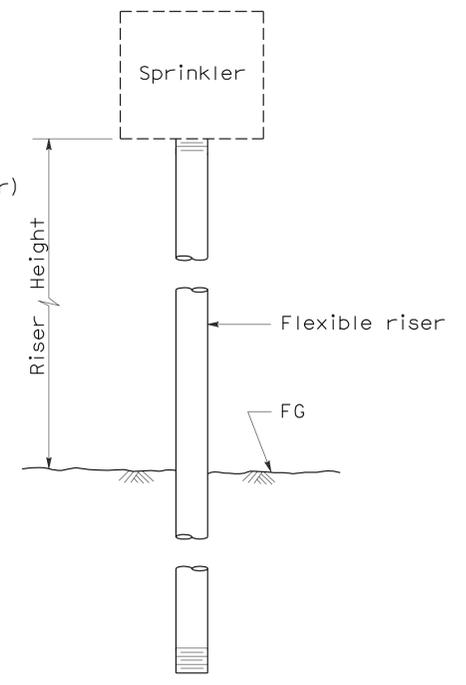
To accompany plans dated 1-24-11



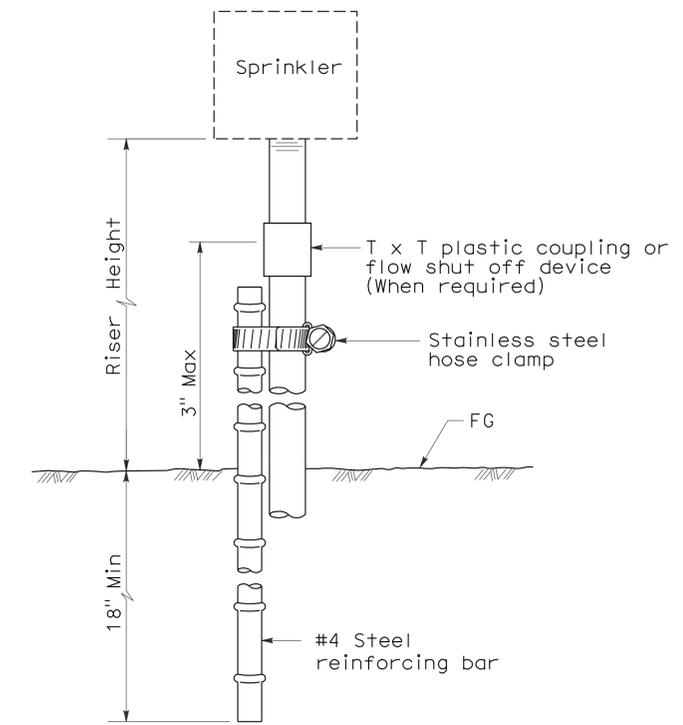
ELEVATION
RISER TYPE I



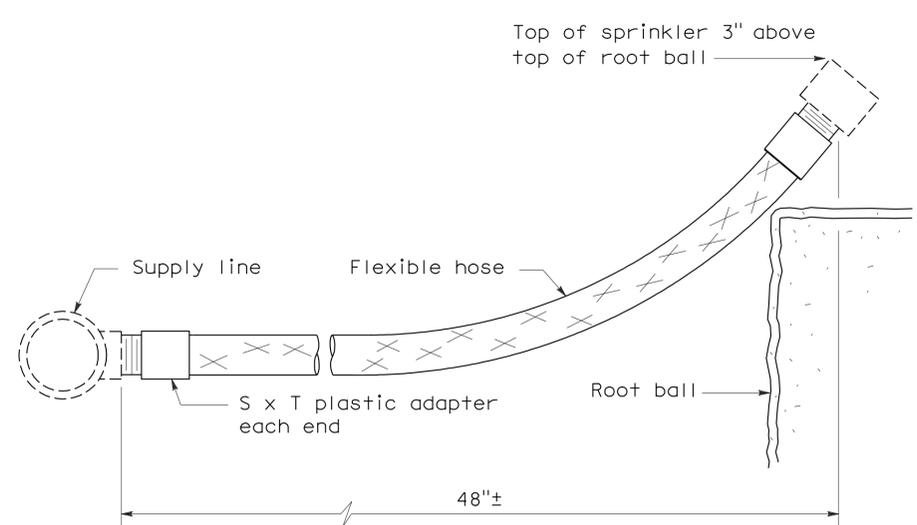
ELEVATION
RISER TYPE II



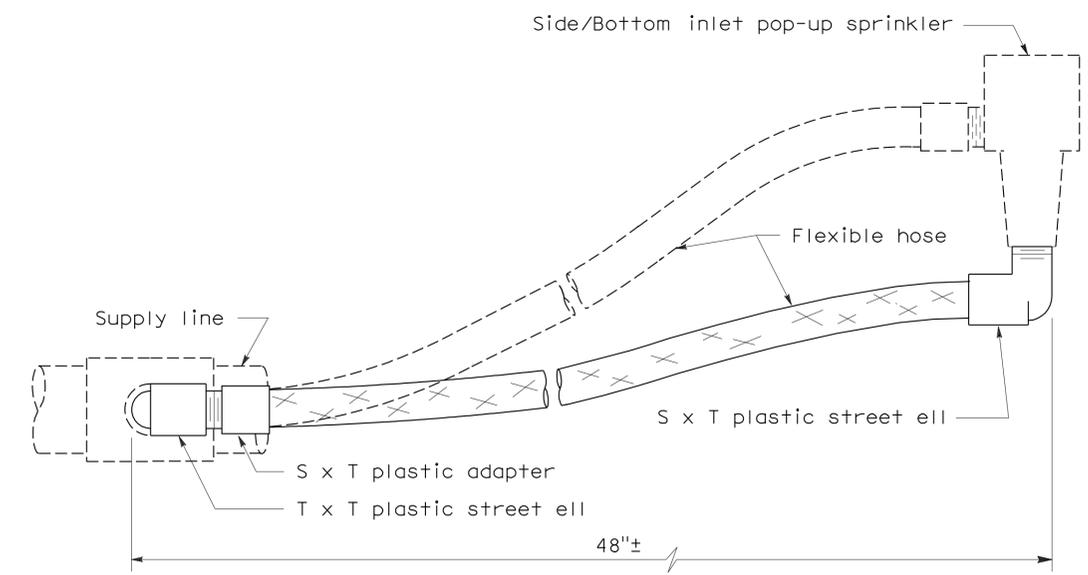
ELEVATION
RISER TYPE III



ELEVATION
RISER TYPE IV



ELEVATION
RISER TYPE V



ELEVATION
RISER TYPE VI

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**PLANTING AND IRRIGATION
DETAILS**
NO SCALE

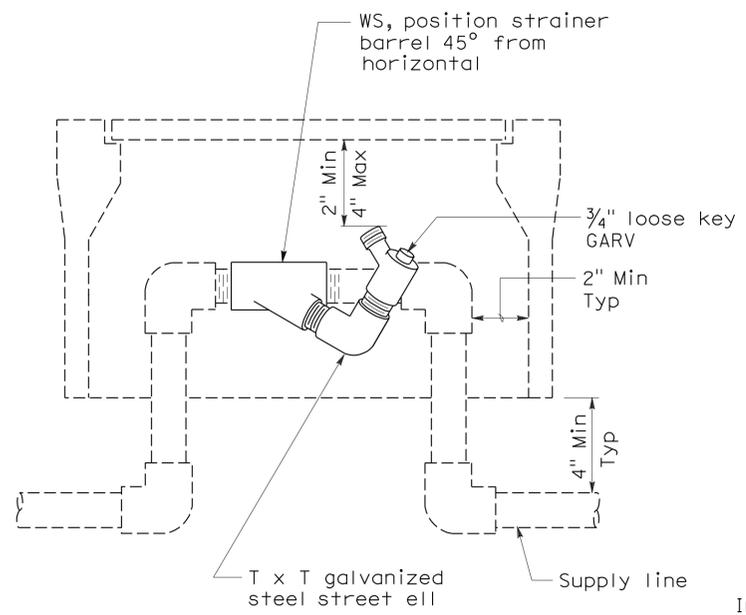
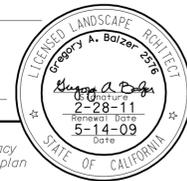
RSP H5 DATED JUNE 5, 2009 SUPERSEDES STANDARD PLAN H5
DATED MAY 1, 2006 - PAGE 205 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP H5

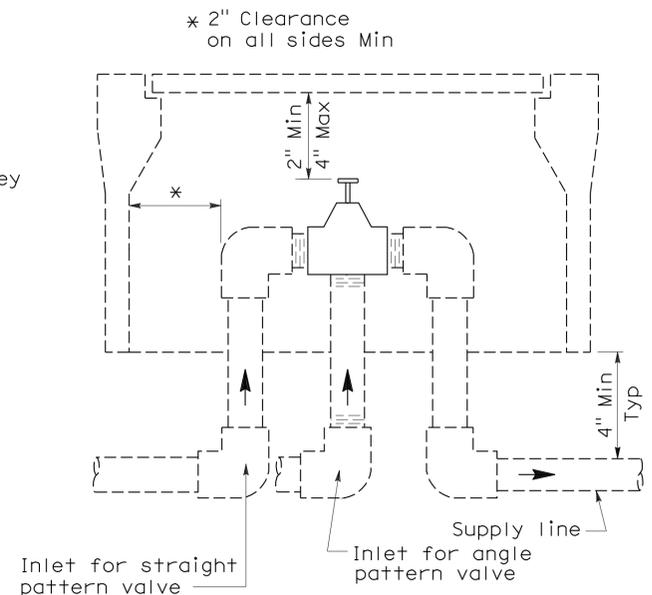
2006 REVISED STANDARD PLAN RSP H5

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
12	Ora	90	11.8/12.5	25	37

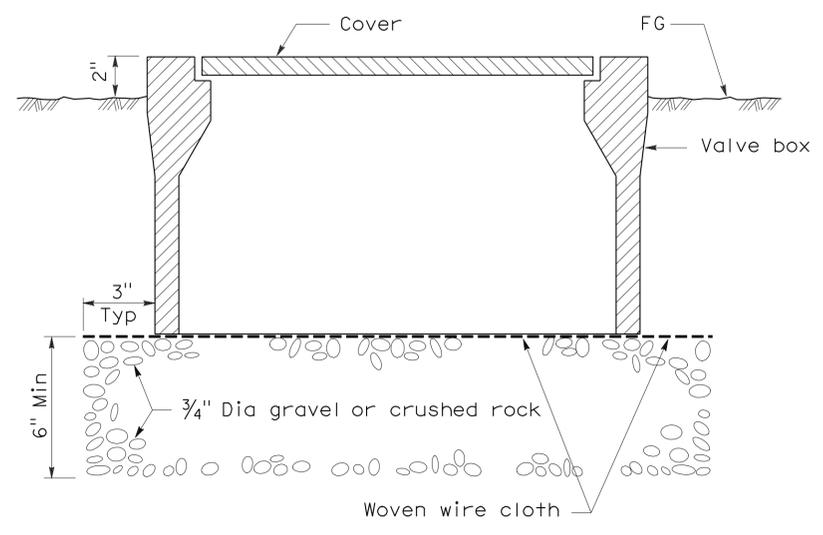
Gregory A. Balzer
 LICENSED LANDSCAPE ARCHITECT
 June 5, 2009
 PLANS APPROVAL DATE
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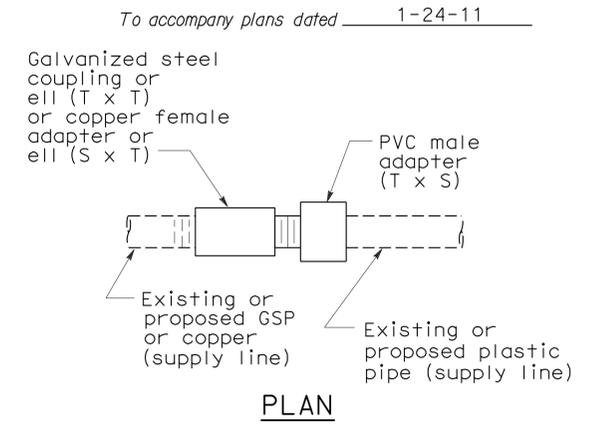
ELEVATION
WYE STRAINER



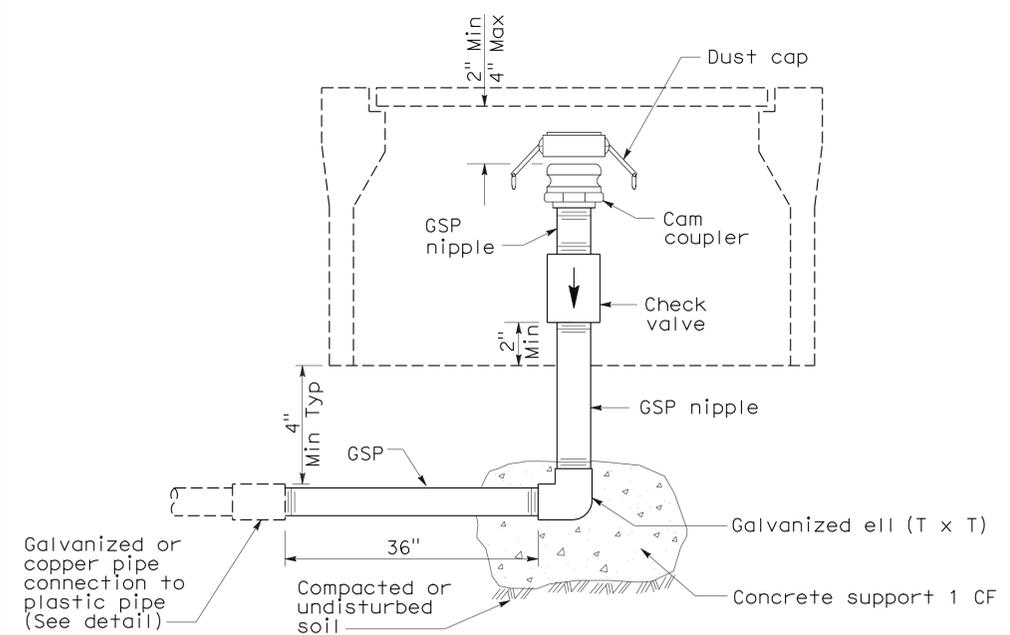
ELEVATION
VALVE



SECTION
VALVE BOX

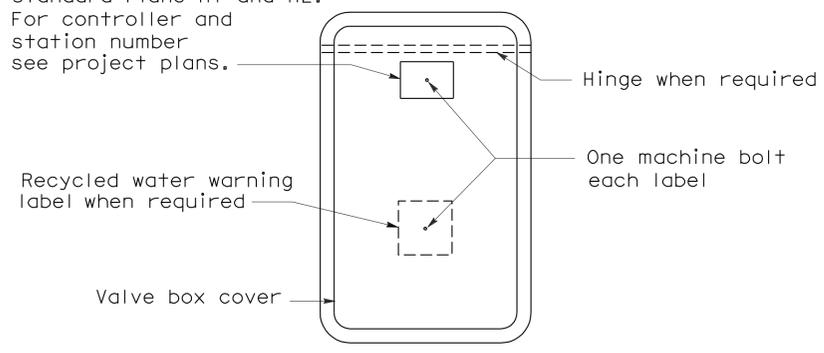


PLAN
GALVANIZED OR COPPER PIPE CONNECTION TO PLASTIC PIPE

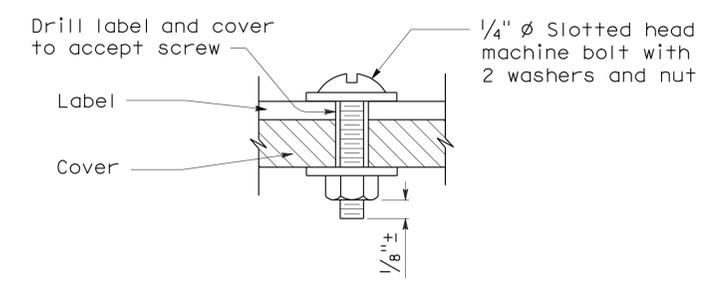


ELEVATION
CAM COUPLER ASSEMBLY

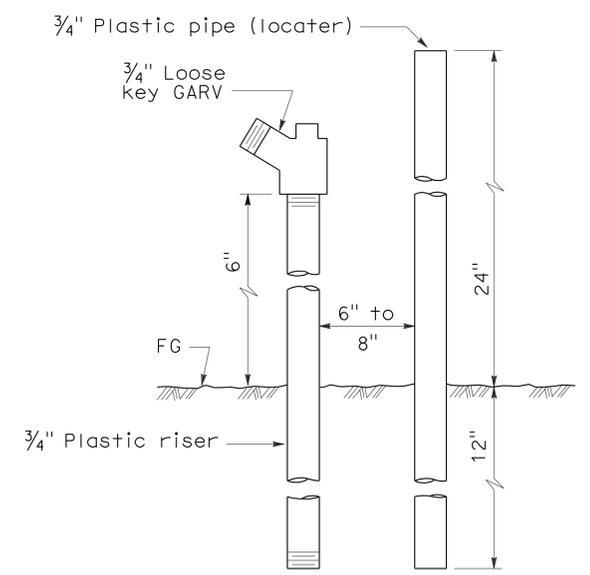
Identification label:
 For abbreviations see Revised Standard Plans H1 and H2.
 For controller and station number see project plans.



PLAN



SECTION
VALVE BOX IDENTIFICATION



ELEVATION
FLUSH VALVE

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

PLANTING AND IRRIGATION DETAILS

NO SCALE

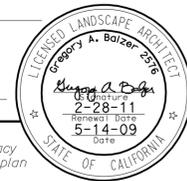
RSP H7 DATED JUNE 5, 2009 SUPERSEDES STANDARD PLAN H7
 DATED MAY 1, 2006 - PAGE 207 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP H7

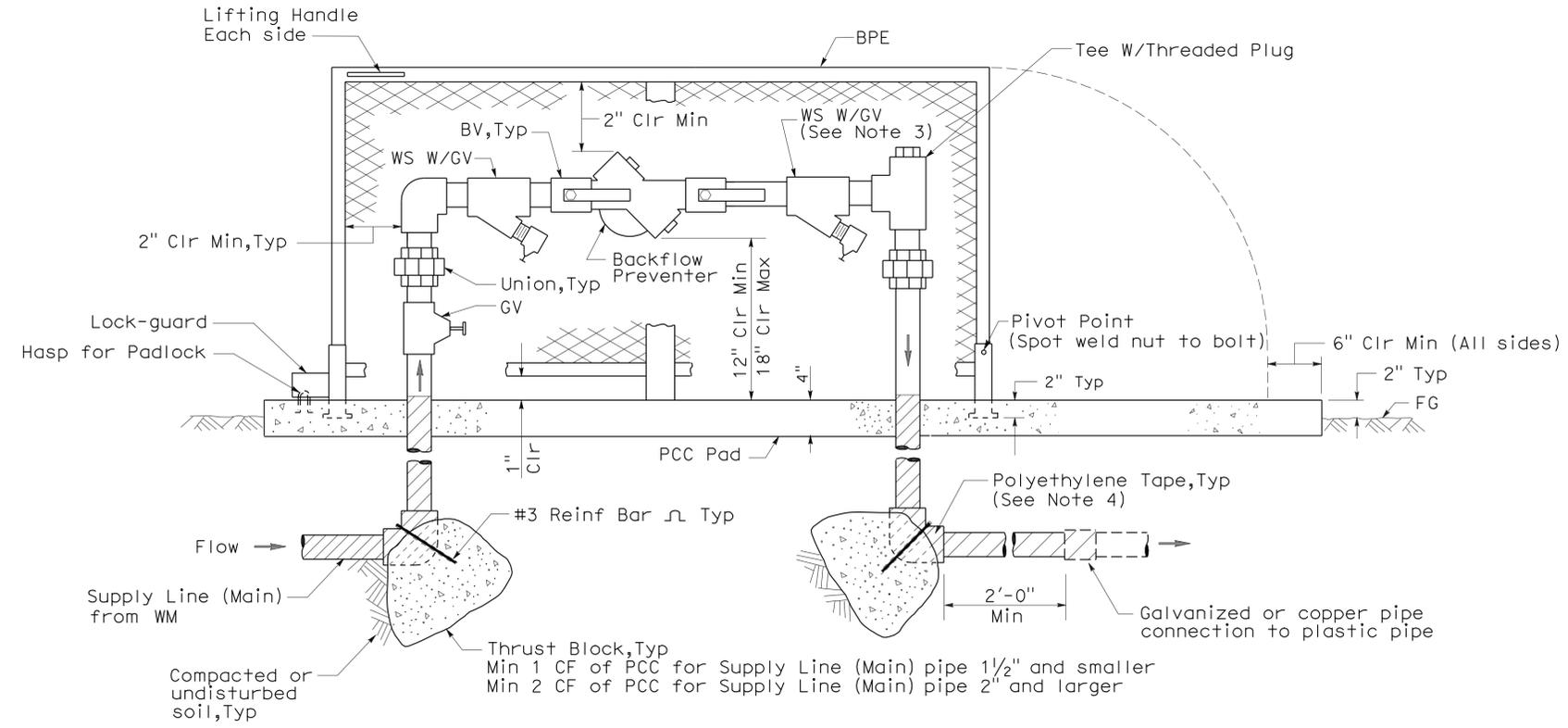
2006 REVISED STANDARD PLAN RSP H7

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
12	Ora	90	11.8/12.5	26	37

Gregory A. Balzer
 LICENSED LANDSCAPE ARCHITECT
 June 5, 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.



To accompany plans dated 1-24-11

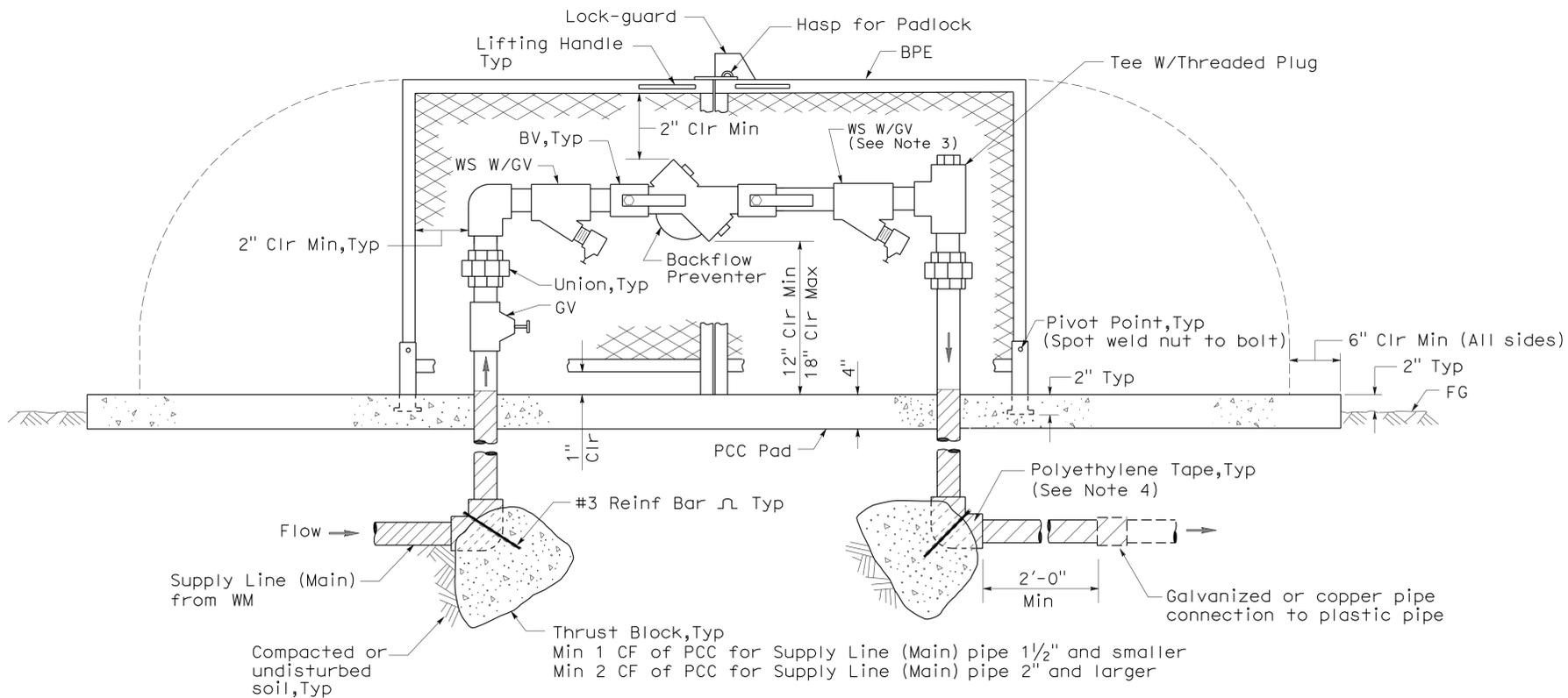


ELEVATION

BACKFLOW PREVENTER ASSEMBLY IN ENCLOSURE (ONE PIECE)

NOTES:

1. Wye strainer and fittings must be the same size as the backflow preventer shown on the plans.
2. Backflow preventer assembly manifold pipe must be the same pipe as the supply line (main) pipe to be installed from the water meter to the backflow preventer assembly.
3. Wye strainer location shown downstream of the backflow preventer is for District 11 projects only.
4. All metal in contact with soil and Portland Cement Concrete must be polyethylene wrapped using 2" wide plastic backed adhesive tape 20 mil thick with 1/2" overlap.



ELEVATION

BACKFLOW PREVENTER ASSEMBLY IN ENCLOSURE (TWO PIECE)

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**PLANTING AND IRRIGATION
 DETAILS**

NO SCALE

RSP H8 DATED JUNE 5, 2009 SUPERSEDES STANDARD PLAN H8
 DATED MAY 1, 2006 - PAGE 208 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP H8

2006 REVISED STANDARD PLAN RSP H8

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
12	Ora	90	11.8/12.5	27	37

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

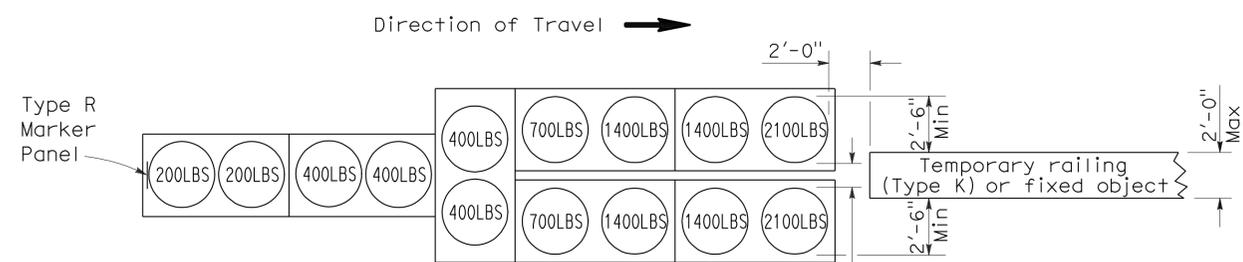
June 6, 2008
PLANS APPROVAL DATE

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

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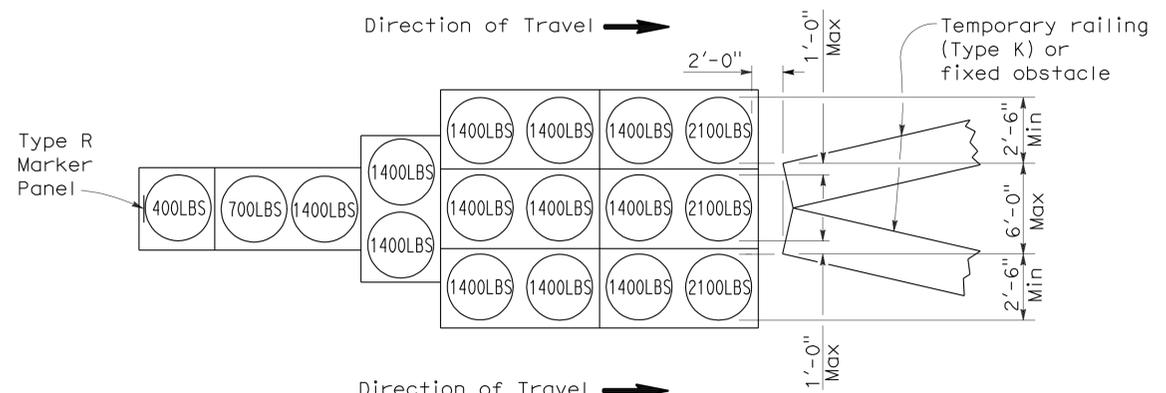
To accompany plans dated 1-24-11

2006 REVISED STANDARD PLAN RSP T1A



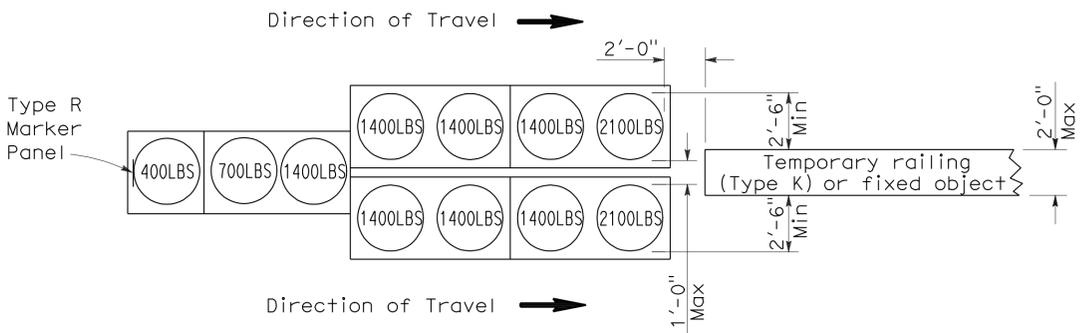
ARRAY 'TU14'

Approach speed 45 mph or more



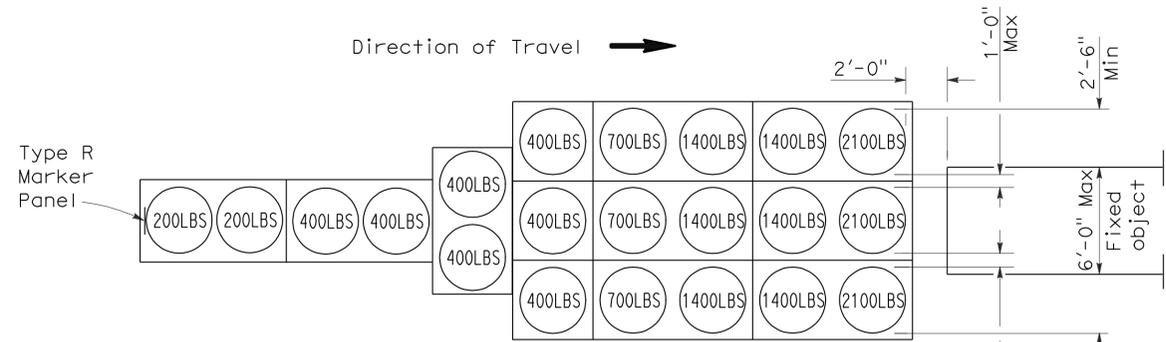
ARRAY 'TU17'

Approach speed less than 45 mph



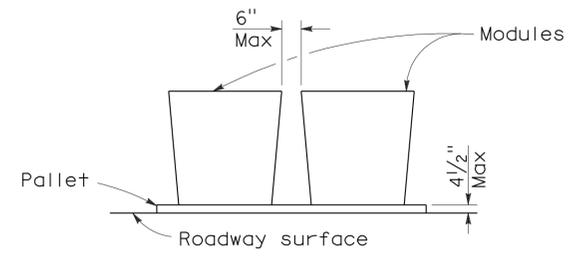
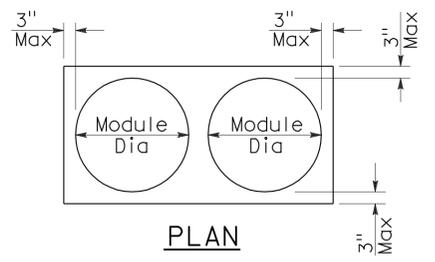
ARRAY 'TU11'

Approach speed less than 45 mph



ARRAY 'TU21'

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 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.

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
12	Ora	90	11.8/12.5	28	37

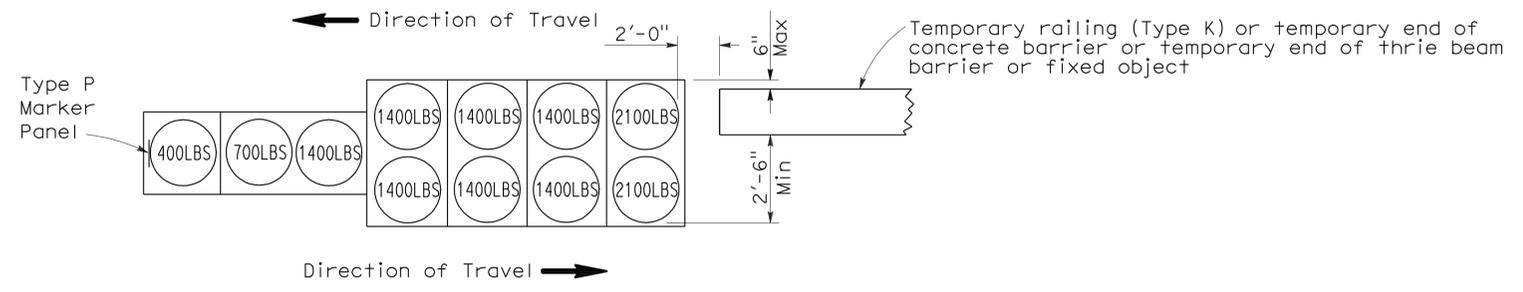
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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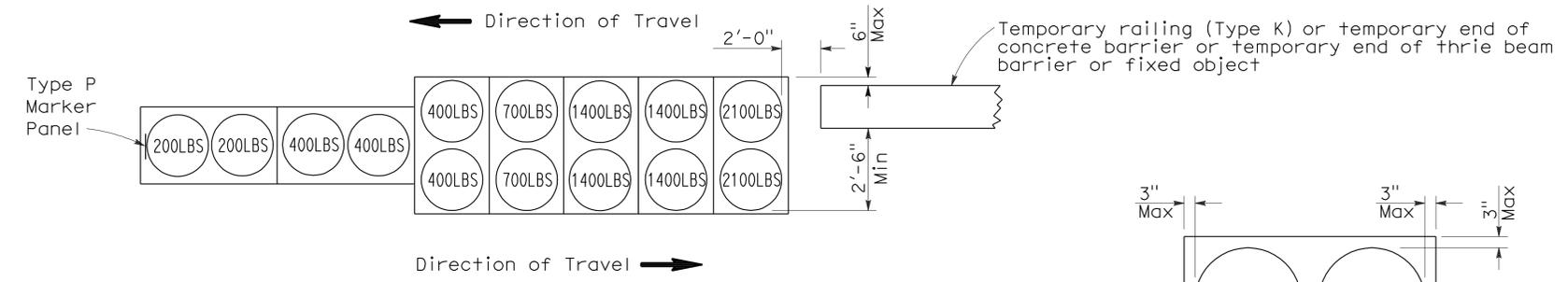
REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

To accompany plans dated 1-24-11



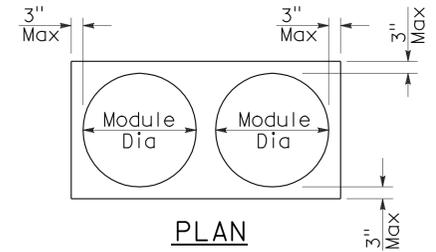
ARRAY 'TB11'

Approach speed less than 45 mph

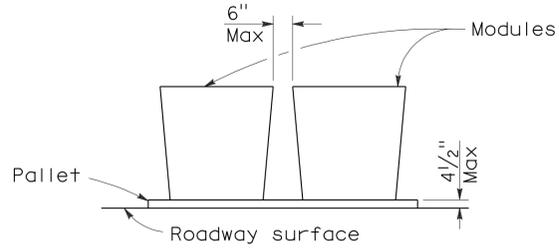


ARRAY 'TB14'

Approach speed 45 mph or more



PLAN



ELEVATION

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

2006 REVISED STANDARD PLAN RSP T1B

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
12	Ora	90	11.8/12.5	29	37

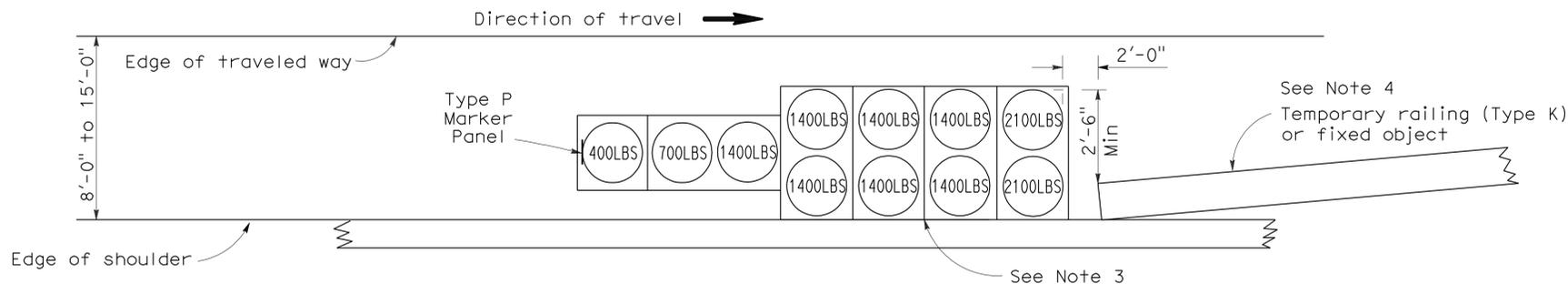
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

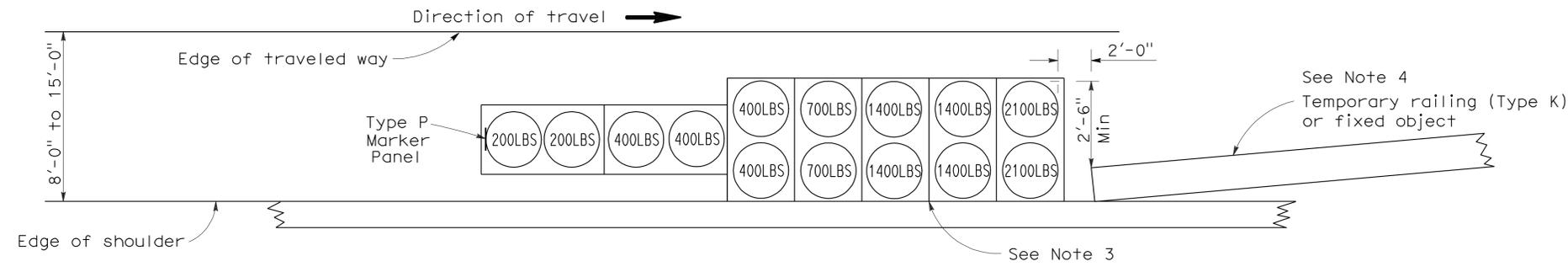
Randell D. Hiatt
REGISTERED PROFESSIONAL ENGINEER
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

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To accompany plans dated 1-24-11



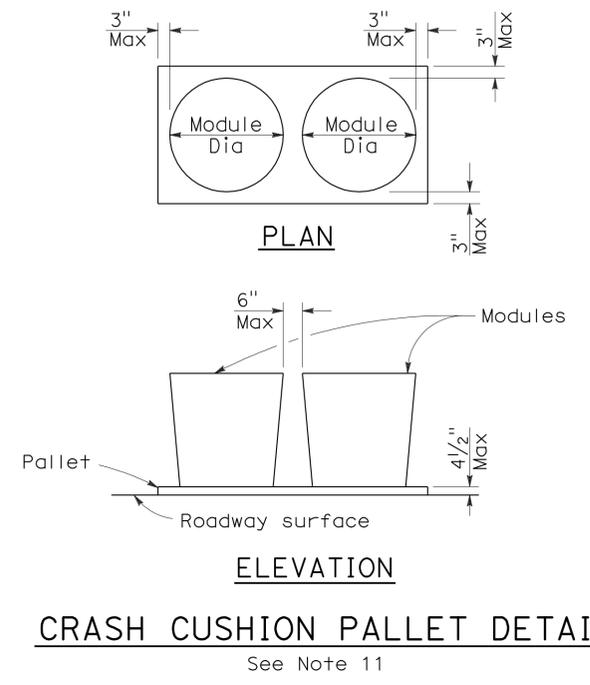
ARRAY 'TS11'
Approach speed less than 45 mph
See Note 9



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.



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.

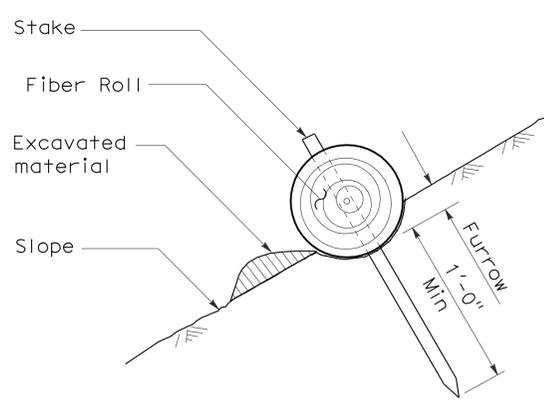
REVISED STANDARD PLAN RSP T2

2006 REVISED STANDARD PLAN RSP T2

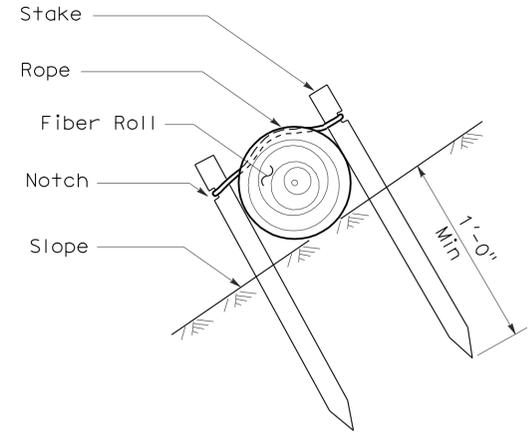
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
12	Ora	90	11.8/12.5	31	37

Robert B. Schott
 LICENSED LANDSCAPE ARCHITECT
 April 3, 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.

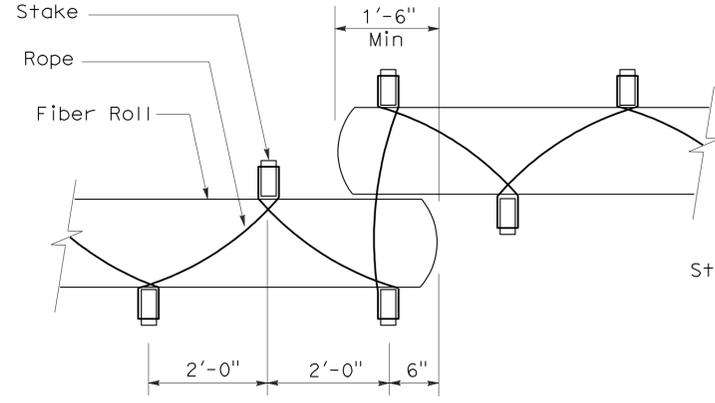
To accompany plans dated 1-24-11



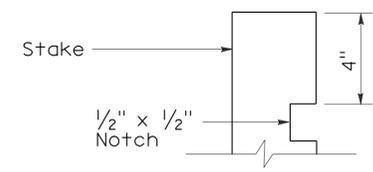
SECTION
TEMPORARY FIBER ROLL (TYPE 1)



SECTION
TEMPORARY FIBER ROLL (TYPE 2)

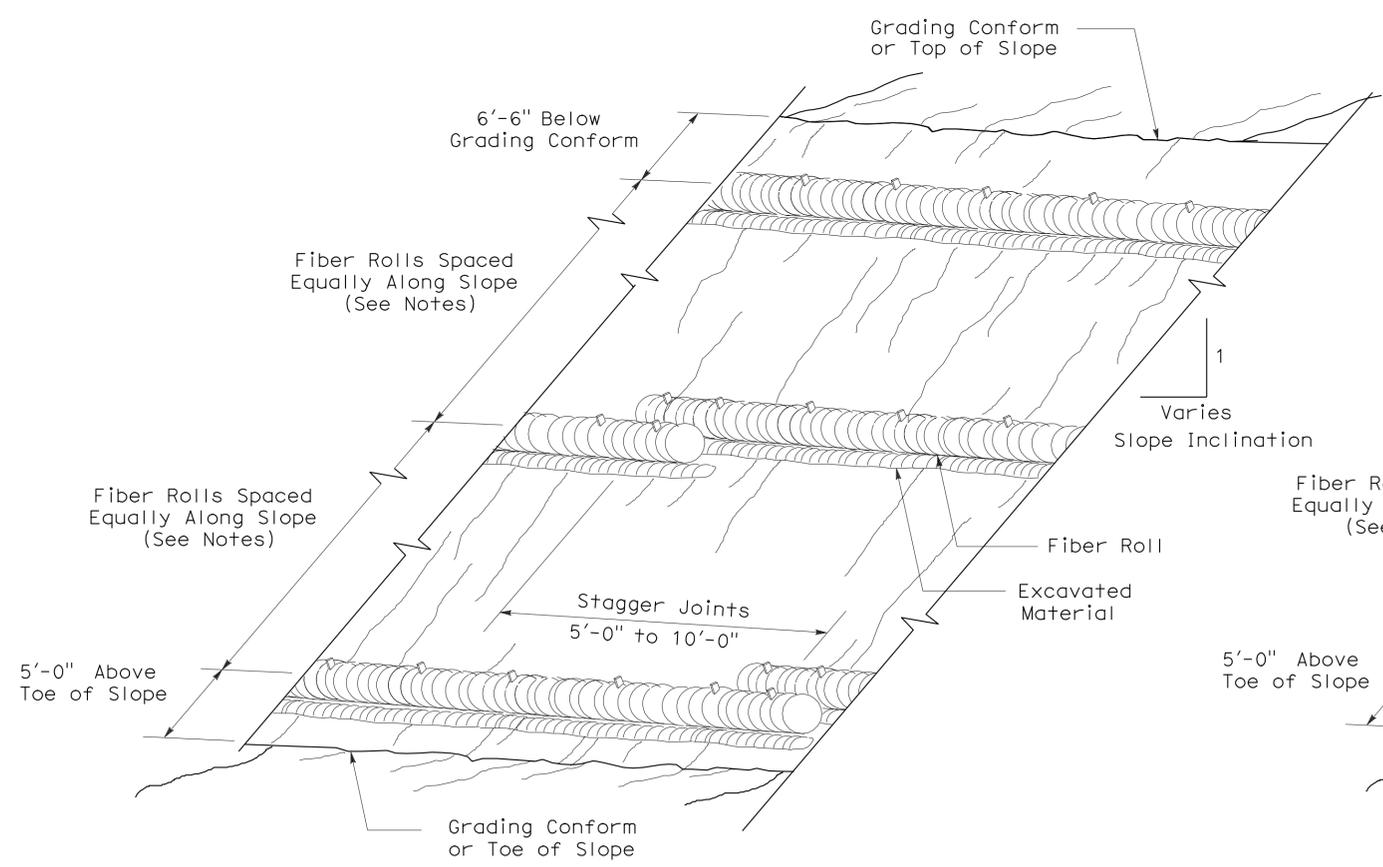


PLAN
TEMPORARY FIBER ROLL (TYPE 2)

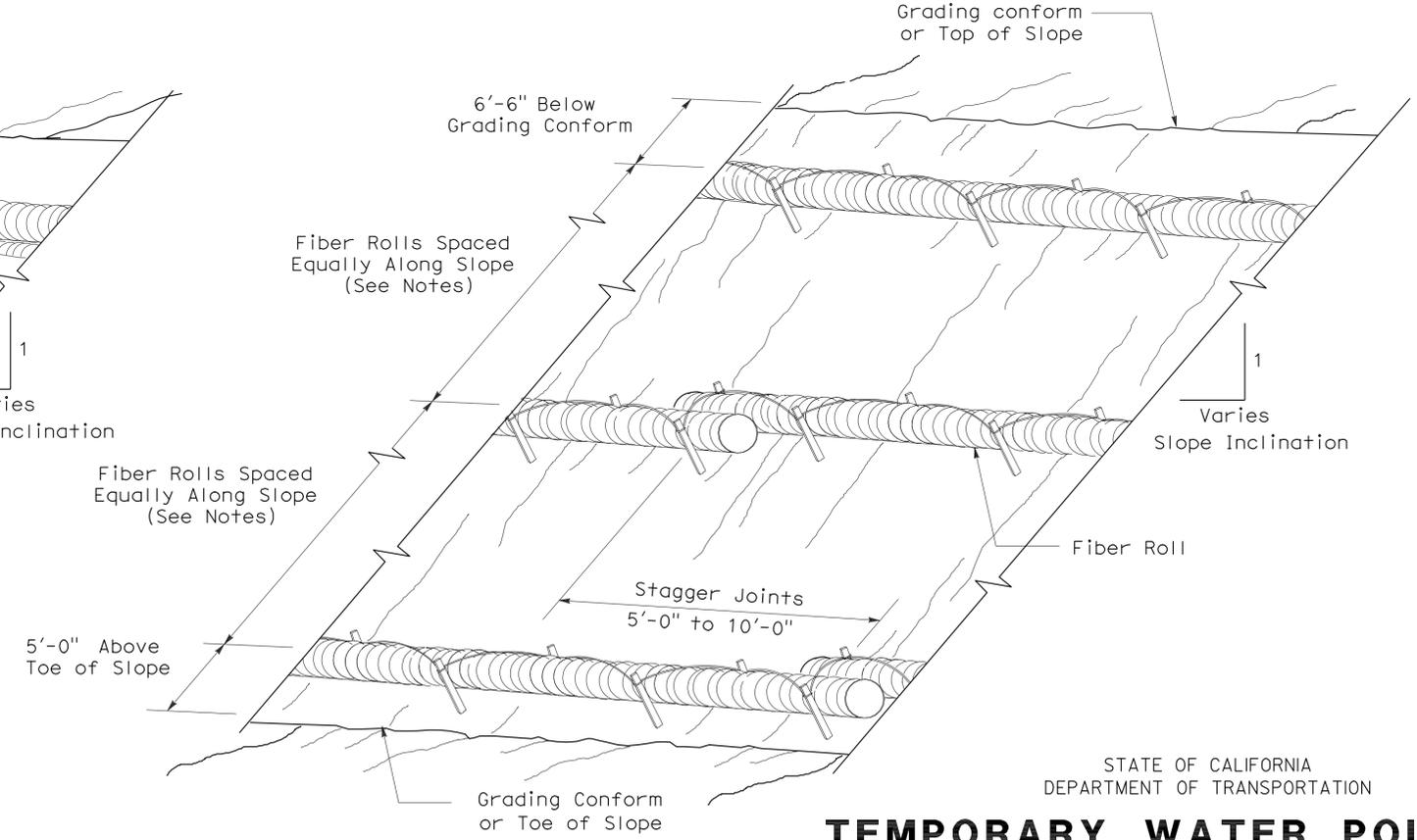


ELEVATION
STAKE NOTCH DETAIL

- NOTES:**
1. Temporary fiber roll spacing varies depending upon slope inclination.
 2. Installations shown in the perspectives are for slope inclination of 10:1 and steeper.



PERSPECTIVE
TEMPORARY FIBER ROLL (TYPE 1)



PERSPECTIVE
TEMPORARY FIBER ROLL (TYPE 2)

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY FIBER ROLL)

NO SCALE

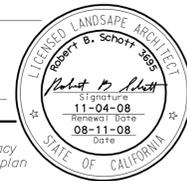
RSP T56 DATED APRIL 3, 2009 SUPERSEDES STANDARD PLAN T56 DATED MAY 1, 2006 - PAGE 232 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T56

2006 REVISED STANDARD PLAN RSP T56

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
12	Ora	90	11.8/12.5	32	37

Robert B. Schott
 LICENSED LANDSCAPE ARCHITECT
 August 15, 2008
 PLANS APPROVAL DATE
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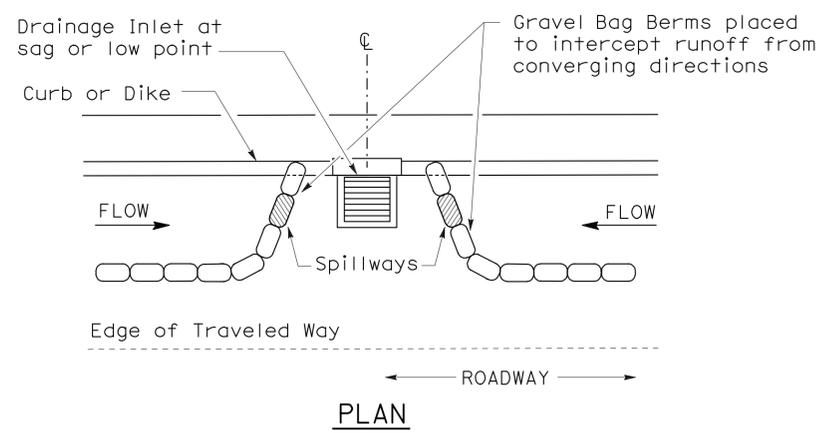


To accompany plans dated 1-24-11

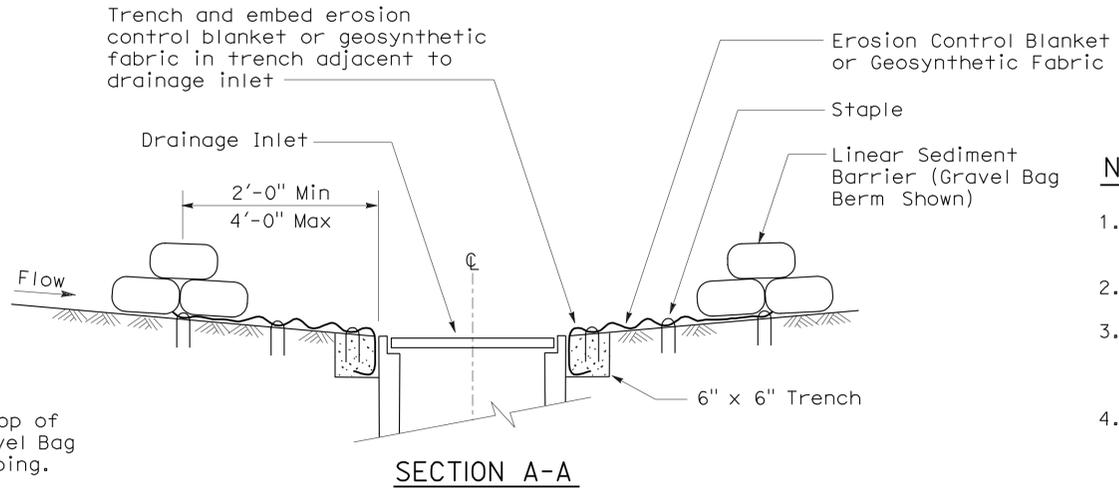
GRAVEL BAG BERM (TYPE 3A) SPACING TABLE

SLOPE OF ROADWAY (PERCENT)	1 to 3.9	4 to 5.9	6 to 7.9	8 to 10	10+
INTERVAL BETWEEN BERM	100'	75'	50'	25'	12'

For slope of less than 1%, install barriers only if erosion/sediment is prevalent



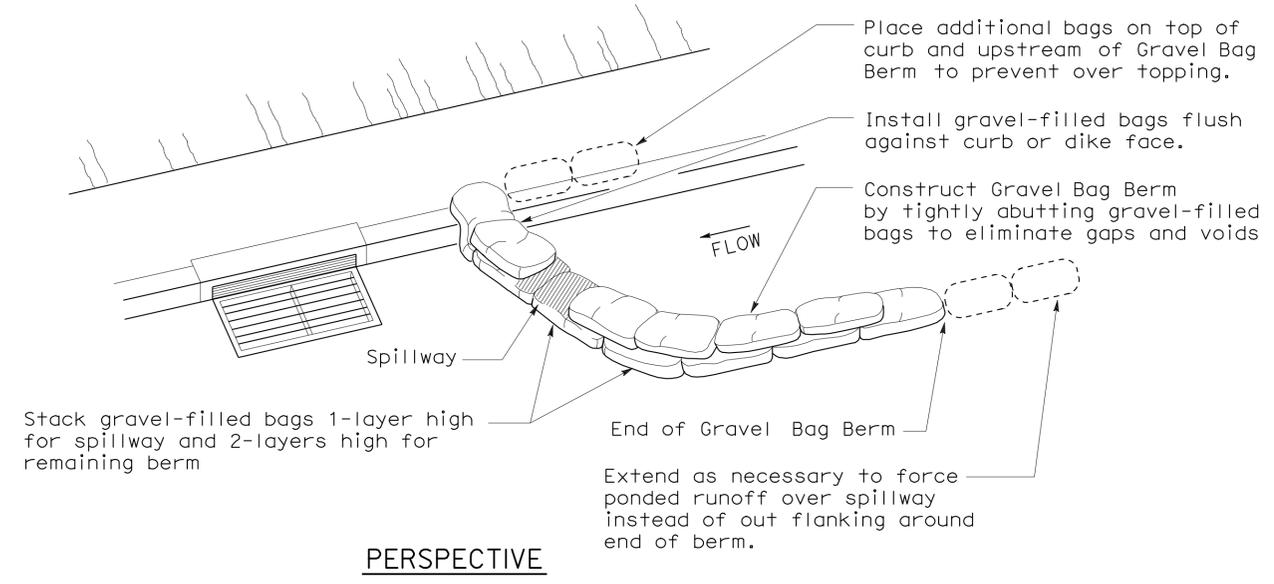
PLAN
CONFIGURATION FOR SAG POINT INLET (GRAVEL BAG BERM)



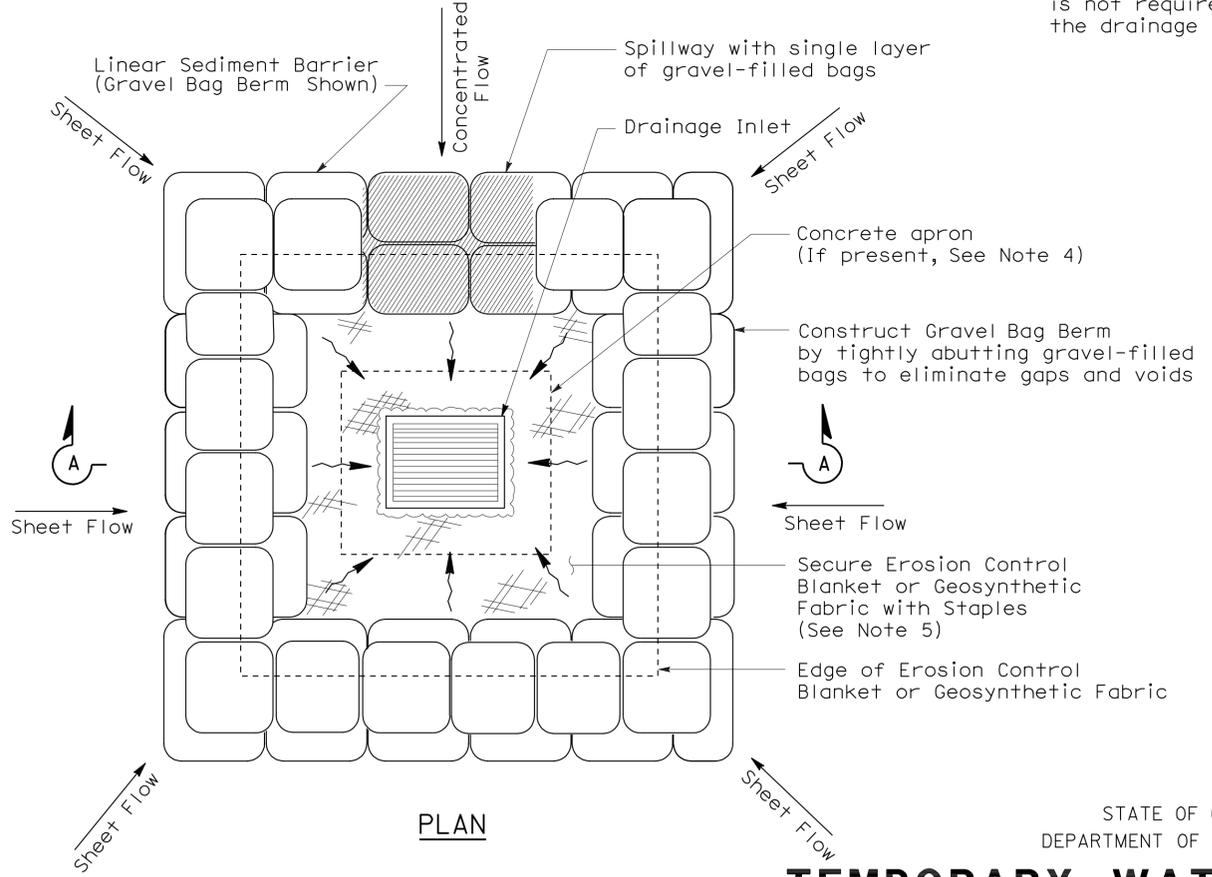
SECTION A-A

NOTES:

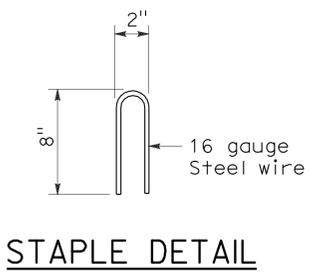
1. Place safety cones adjacent to drainage inlet protection.
2. Dimensions may vary to fit field conditions.
3. Install a minimum of 3 gravel bag berms upstream of each drainage inlet to be protected.
4. Position erosion control blanket or geosynthetic fabric at edge of concrete apron and secure in trench.
5. Erosion control blanket or geosynthetic fabric is not required if the area adjacent to the drainage inlet is vegetated or paved.



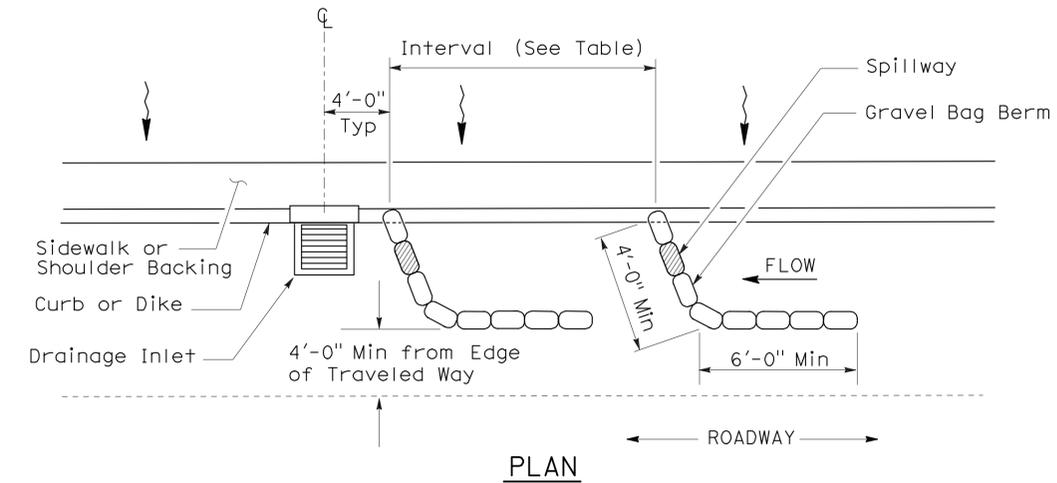
PERSPECTIVE



PLAN
TEMPORARY DRAINAGE INLET PROTECTION (TYPE 3B)



STAPLE DETAIL



PLAN
TEMPORARY DRAINAGE INLET PROTECTION (TYPE 3A) (GRAVEL BAG BERM)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY DRAINAGE INLET PROTECTION)

NO SCALE
NSP T62 DATED AUGUST 15, 2008 SUPPLEMENTS THE STANDARD PLANS BOOK DATED MAY 2006.

2006 NEW STANDARD PLAN NSP T62

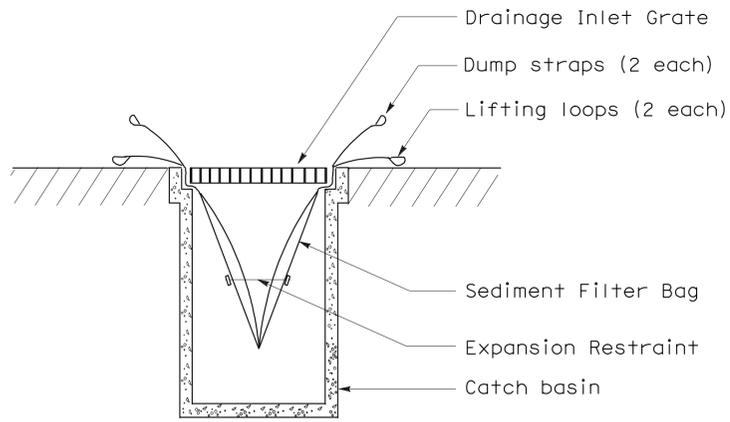
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
12	Ora	90	11.8/12.5	33	37

Robert B. Schott
 LICENSED LANDSCAPE ARCHITECT

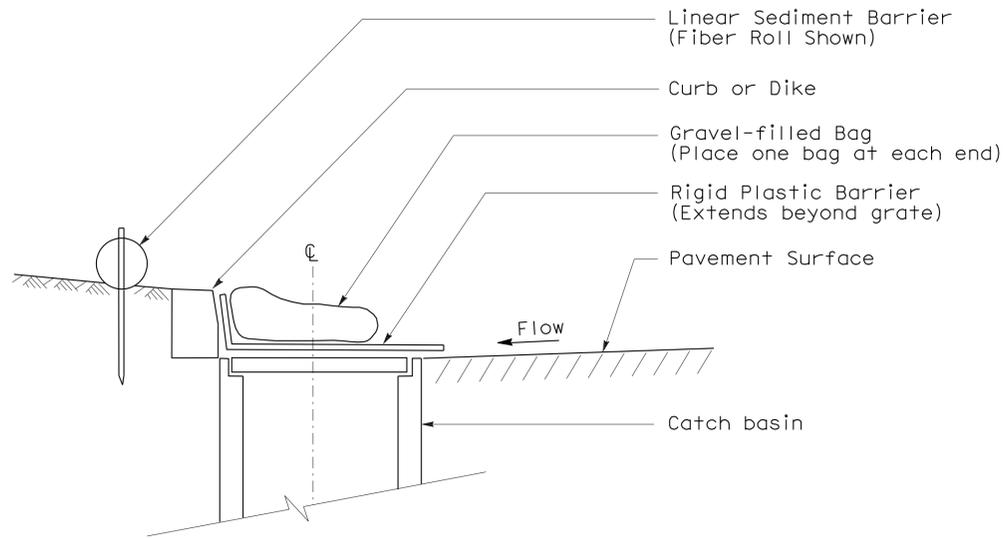
August 15, 2008
 PLANS APPROVAL DATE

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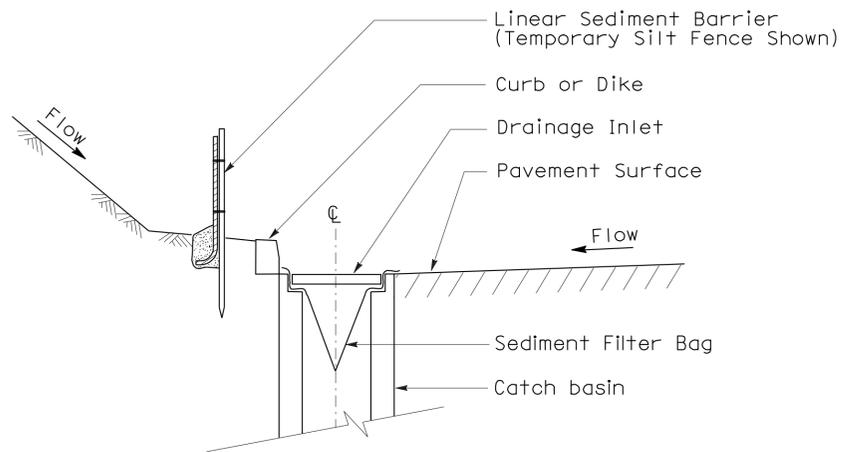
To accompany plans dated 1-24-11



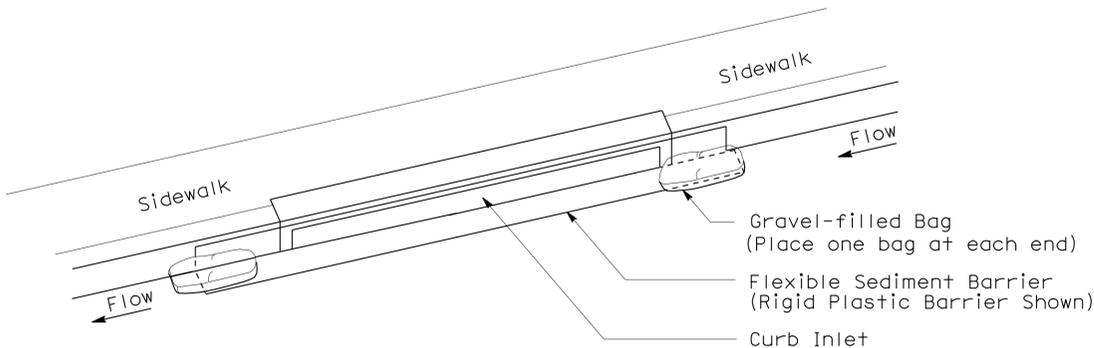
SECTION B-B
SEDIMENT FILTER BAG DETAIL



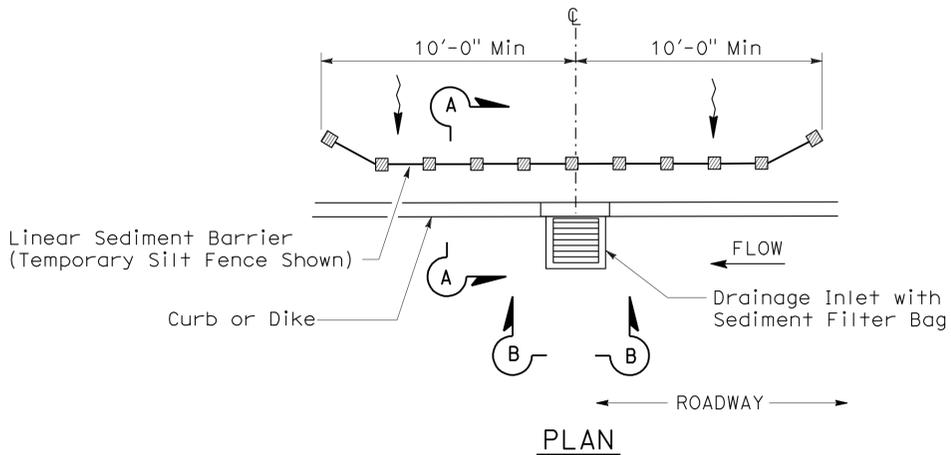
SECTION
TEMPORARY DRAINAGE
INLET PROTECTION (TYPE 6A)
(CATCH BASIN WITH GRATE)



SECTION A-A



PERSPECTIVE
TEMPORARY DRAINAGE
INLET PROTECTION (TYPE 6B)
(CURB INLET WITHOUT GRATE)



PLAN
TEMPORARY DRAINAGE
INLET PROTECTION (TYPE 5)
(SEDIMENT FILTER BAG)

- NOTES:**
1. See Standard Plan T51 for Temporary Silt Fence.
 2. Dimensions may vary to fit field conditions.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY DRAINAGE INLET PROTECTION)

NO SCALE

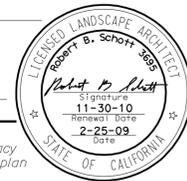
NSP T64 DATED AUGUST 15, 2008 SUPPLEMENTS THE STANDARD PLANS BOOK DATED MAY 2006.

NEW STANDARD PLAN NSP T64

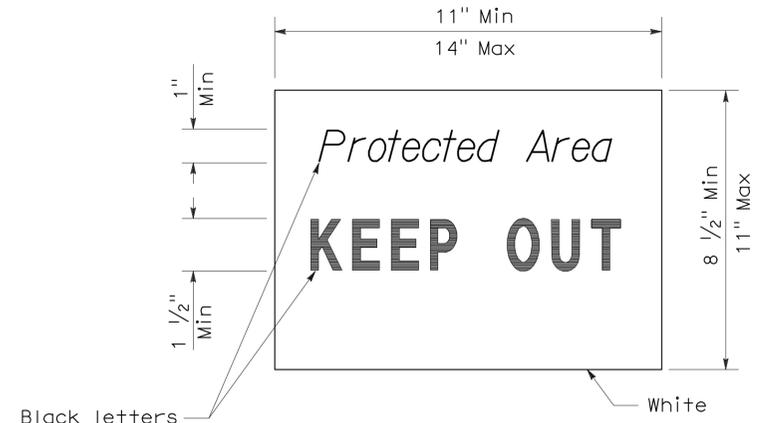
2006 NEW STANDARD PLAN NSP T64

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
12	Ora	90	11.8/12.5	34	37

Robert B. Schott
 LICENSED LANDSCAPE ARCHITECT
 April 3, 2009
 PLANS APPROVAL DATE
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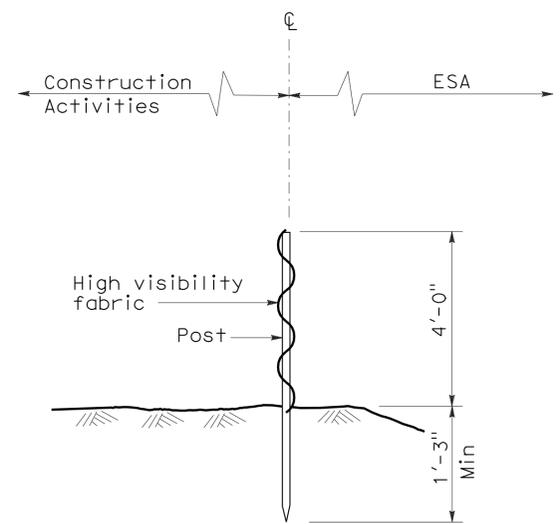
To accompany plans dated 1-24-11



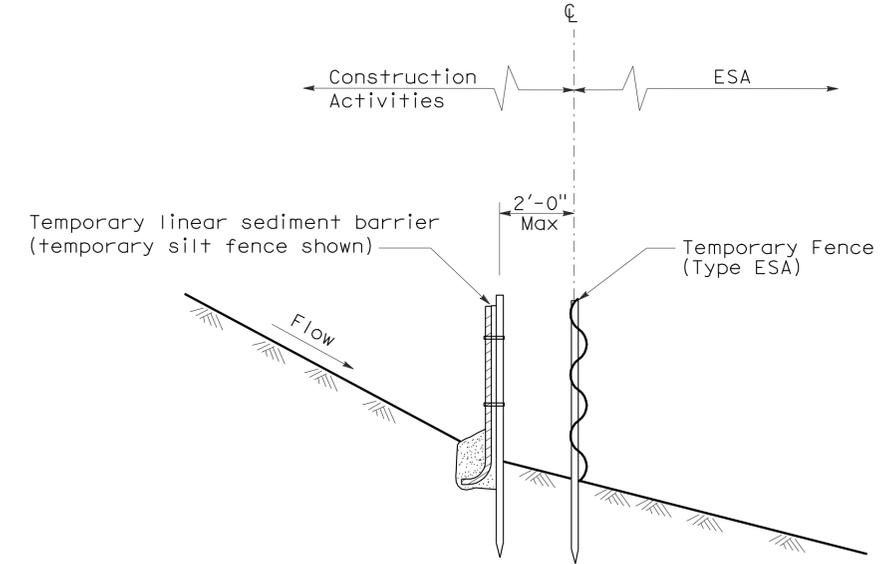
SIGN DETAIL

NOTE:

1. Temporary silt fence and temporary straw bale barrier shown for reference purposes only.

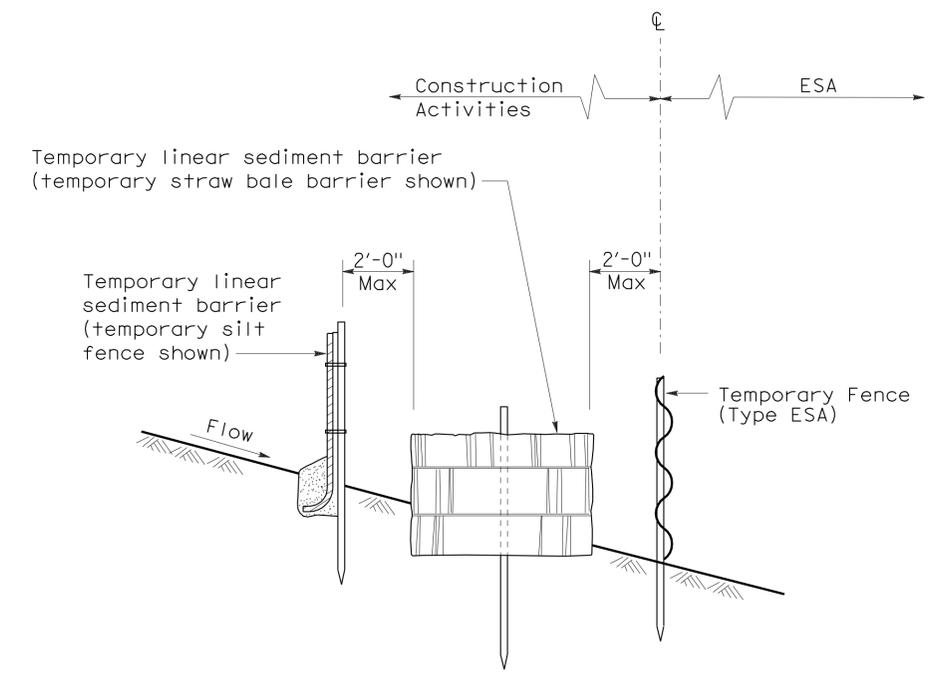


SECTION
TEMPORARY FENCE (TYPE ESA)



SECTION
PLACEMENT DETAIL
FOR TEMPORARY LINEAR SEDIMENT BARRIER
USED WITH TEMPORARY FENCE (TYPE ESA)

(See Note 1)



SECTION
PLACEMENT DETAIL
FOR TEMPORARY SILT FENCE
AND TEMPORARY STRAW BALE BARRIER
USED WITH TEMPORARY FENCE (TYPE ESA)

(See Note 1)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY WATER POLLUTION CONTROL DETAILS
[TEMPORARY FENCE (TYPE ESA)]

NO SCALE

NSP T65 DATED APRIL 3, 2009 SUPPLEMENTS
THE STANDARD PLANS BOOK DATED MAY 2006.

ELECTROLIERS

STANDARD TYPES		
15, 15D		High mast light pole
15 STRUCTURE		Double Arm lighting standard
21, 21D STRUCTURE		Existing electrolier
30		Electrolier foundation (Future installation)
31		
32		
35		
36-20A		

NOTES:

- Luminaires shall be 310 W HPS when installed on Type 21, 21D, 30, 31, 32, 35 and 36-20A Standards, unless otherwise specified. Luminaires shall be 200 W HPS when installed on other type standards or poles, unless otherwise specified.
- Luminaires shall be the cutoff type, ANSI Type III medium cutoff lighting distribution, unless otherwise specified.
- Variations noted adjacent to symbol on project plans.

- Electrolier (see project notes or project plans)
- Luminaire on wood pole

STANDARD NOTES:

- AB** Abandon. If applied to conduit, remove conductors.
- BC** Install pull box in existing conduit run.
- BP** Pedestrian barricade, type as indicated on plan.
- CB** Install conduit into existing pull box.
- CC** Connect new and existing conduit. Remove existing conductors and install conductors as indicated.
- CF** Conduit to remain for future use. Remove conductors. Install pull wire or rope.
- DH** Detector handhole.
- FA** Foundation to be abandoned.
- IS** Install sign on signal mast arm.
- NS** No slip base on standard.
- PEC** Photoelectric control.
- PEU** Photoelectric unit.
- RC** Equipment or material to be removed and become the property of the Contractor.
- RE** Remove electrolier, fuses and ballast. Tape ends of conductors.
- RL** Relocate equipment.
- RR** Remove and reuse equipment.
- RS** Remove and salvage equipment.
- SC** Splice new to existing conductors.
- SD** Service disconnect.
- SF** Standard to remain for future use. Remove luminaire, pole conductors, fuses and ballast.
- TSP** Telephone service point.

ABBREVIATIONS AND EQUIPMENT DESIGNATIONS

PROPOSED EXISTING

BBS	bbs	Battery backup system
BC	bc	Bolt circle
C	C	Conduit
CCTV	cctv	Closed circuit television
CKT	ckt	Circuit
CMS	cms	Changeable message sign
DLC	dlc	Loop detector lead-in cable
EMS	ems	Extinguishable message sign
EVC	evc	Emergency vehicle cable
EVD	evd	Emergency vehicle detector
FB	fb	Flashing beacon
FBCA	fbca	Flashing beacon control assembly
FBS	fbs	Flashing beacon with slip base
FO	fo	Fiber optic
G	G	Ground (Equipment Grounding Conductor)
GFCI	GFCI	Ground fault circuit interrupt
HAR	har	Highway advisory radio
HEX	hex	Hexagonal
HPS	hps	High pressure sodium
IISNS	iisns	Internally illuminated street name sign
ISL	isl	Induction sign lighting
LED	led	Light emitting diode
LMA	lma	Luminaire mast arm
LPS	lps	Low pressure sodium
LTG	ltg	Lighting
LUM	lum	Luminaire
MAT	mat	Mast arm mounting vehicle signal faces, top attachment
MAS	mas	Mast arm mounting vehicle signal faces, side attachment
MAS-4A	mas-4A	Mast arm mounting vehicle signal faces, side attachment - 4 signal section
MAS-4B	mas-4B	
MAS-4C	mas-4C	
MAS-5A	mas-5A	Mast arm mounting vehicle signal faces, side attachment - 5 signal section
MAS-5B	mas-5B	
MC	mc	Mercury contactor
M/M	m/m	Multiple to multiple transformer
MT	mt	Conduit with pull wire or rope only
MTG	mtg	Mounting
	mv	Mercury vapor lighting fixture
N	N	Neutral (Grounded Conductor)
NC	NC	Normally closed
NO	NO	Normally open
PB	pb	Pull box
PEC	pec	Photoelectric control (Type I, II, III, IV or V as shown)
PED	ped	Pedestrian
PEU	peu	Photoelectric unit
PPB	ppb	Pedestrian push button
RL		Relocated equipment
RM	rm	Ramp metering
SB	sb	Slip base
SIC	sic	Signal interconnect cable
SIG	sig	Signal
SMA	sma	Signal mast arm
SNS	sns	Street name sign
SP	sp	Service point
TDC	tdc	Telephone demarcation cabinet
TMS	tms	Traffic monitoring station
TOS	tos	Traffic Operations System
VEH	veh	Vehicle
XFMR	xfmr	Transformer
COMM	comm	Communication
RWIS	rwis	Roadway weather information system

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
12	Ora	90	11.8/12.5	35	37

Jeffery G. McRae
REGISTERED ELECTRICAL ENGINEER

October 5, 2007
PLANS APPROVAL DATE

Jeffery G. McRae
No. E14512
Exp. 6-30-08
ELECTRICAL
STATE OF CALIFORNIA

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To accompany plans dated 1-24-11

SOFFIT AND WALL MOUNTED LUMINAIRES

- Pendant, 70 W HPS unless otherwise specified.
- Flush, 70 W HPS unless otherwise specified.
- Wall surface, 70 W HPS unless otherwise specified.
- Existing soffit or wall luminaire to remain unmodified.
- Existing soffit or wall luminaire to be modified as specified.

NOTE:

Arrow indicates "street side" of luminaire.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (SYMBOLS AND ABBREVIATIONS)

NO SCALE

RSP ES-1A DATED OCTOBER 5, 2007 SUPERSEDES STANDARD PLAN ES-1A DATED MAY 1, 2006 - PAGE 400 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP ES-1A

2006 REVISED STANDARD PLAN RSP ES-1A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
12	Ora	90	11.8/12.5	36	37

Jeffrey G. McRae
 REGISTERED ELECTRICAL ENGINEER
 October 5, 2007
 PLANS APPROVAL DATE
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REGISTERED PROFESSIONAL ENGINEER
 Jeffrey G. McRae
 No. E14512
 Exp. 6-30-08
 ELECTRICAL
 STATE OF CALIFORNIA

CONDUIT

PROPOSED	EXISTING	
		Lighting Conduit, unless otherwise indicated or noted
		Traffic signal conduit
		Communication conduit
		Telephone conduit
		Fire alarm conduit
		Fiber optic conduit
		Conduit termination
		Conduit riser in/on structure or service pole

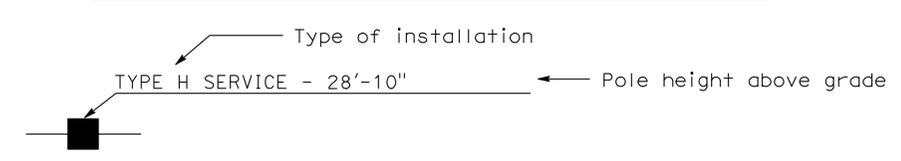
SIGNAL EQUIPMENT

PROPOSED	EXISTING	
		Pedestrian signal face
		Pedestrian push button post
		Pedestrian barricade
		Vehicle signal face (with backplate, 3-Section: red, yellow and green)
		Vehicle signal face with angle visors
		Modifications of basic symbols: "L" indicates all non-arrow sections louvered "LG" indicates louvered green section only "PV" indicates 12" programmed visibility sections "8" indicates all 8" sections (only when specified)
		Type 15TS and Vehicle signal face
		Vehicle signal face with red, yellow and green left arrow sections
		Vehicle signal face with red and yellow sections and up green arrow
		Vehicle signal face (5 Section) with red, yellow and green sections and yellow and green right arrows
		Type 1 Standard and attached vehicle signal faces
		Standard with signal mast arm only and attached vehicle signal faces and internally illuminated street name sign
		Type 33 Standard, Left-turn vehicle signal face and sign
		Standard with luminaire and signal mast arms and attached vehicle signal faces
		Cantilever flashing beacon Type 9 Frame, with a sign unless otherwise specified or indicated
		Type 15-FBS Standard with two vehicle signal face sections with lens, backplate and visor with a sign
		Flashing beacon. One vehicle signal face section with lens, backplate and visor. "R" indicates red indication, "Y" indicates yellow indication
		Controller assembly. Door indicates front of cabinet

SERVICE EQUIPMENT

PROPOSED	EXISTING	
		Overhead lines
		Wood pole "U" indicates utility owned
		Pole guy with anchor
		Utility transformer - ground mounted
		Service equipment enclosure type
		Service equipment enclosure door indicates front of enclosure
		Telephone demarcation cabinet

POLE-MOUNTED SERVICE DESIGNATION



ILLUMINATED OVERHEAD SIGN

PROPOSED	EXISTING	
		Overhead sign - Single post
		Overhead sign - Two post
		Overhead sign - Mounted on structure
		Overhead sign with electrolier

SIGNAL EQUIPMENT Cont

PROPOSED	EXISTING	
		Guard post
		Type 1 Standard with "Meter On" sign
		Emergency Vehicle detector

NOTES:

- All signal sections shall be 12" unless shown otherwise.
- Signal heads shall be provided with backplates unless shown otherwise.
- Signal indication shall be LED.

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**ELECTRICAL SYSTEMS
 (SYMBOLS AND ABBREVIATIONS)**
 NO SCALE

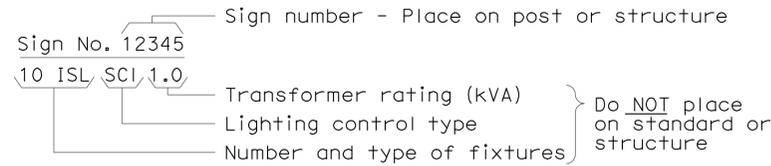
RSP ES-1B DATED OCTOBER 5, 2007 SUPERCEDES STANDARD PLAN ES-1B
 DATED MAY 1, 2006 - PAGE 401 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP ES-1B

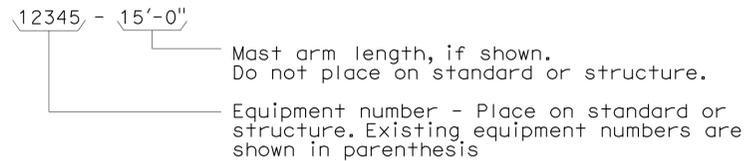
2006 REVISED STANDARD PLAN RSP ES-1B

EQUIPMENT IDENTIFICATION

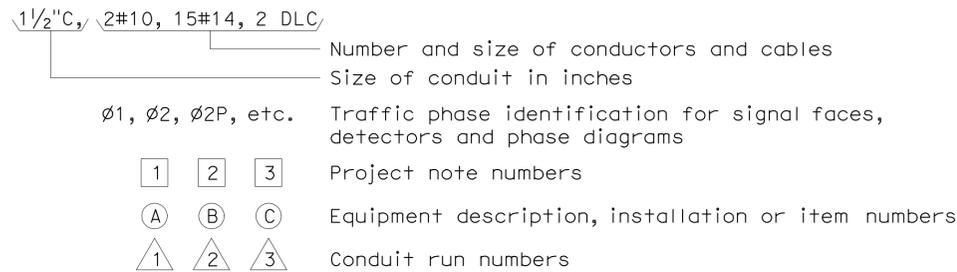
ILLUMINATED SIGN IDENTIFICATION NUMBER:



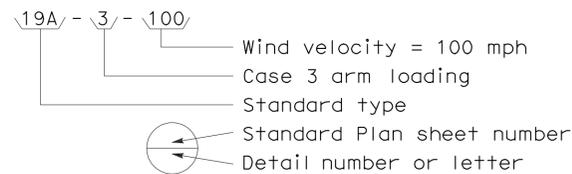
ELECTROLIER OR EQUIPMENT IDENTIFICATION NUMBER:



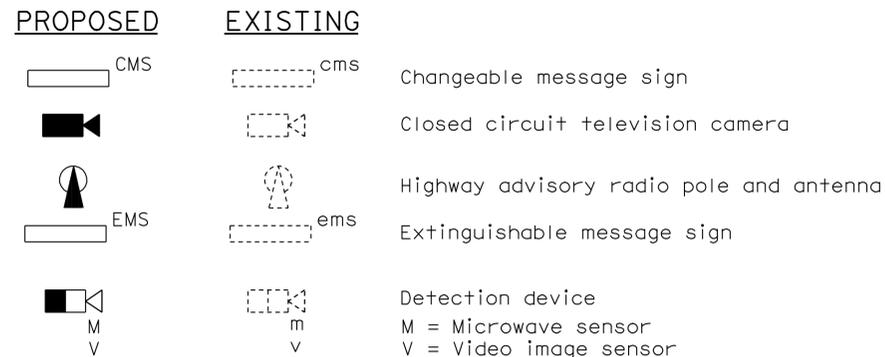
CONDUIT AND CONDUCTOR IDENTIFICATION:



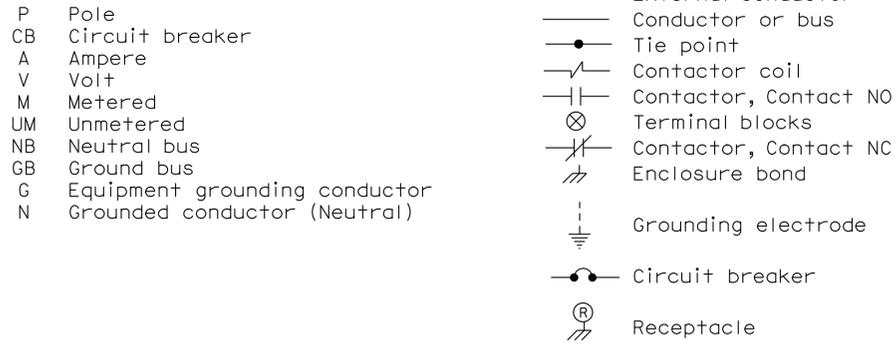
SIGNAL AND LIGHTING STANDARD (TYPICAL DESIGNATION):



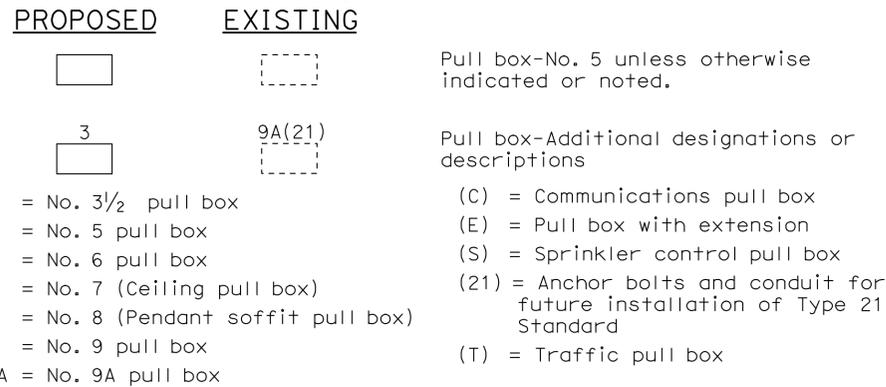
MISCELLANEOUS EQUIPMENT



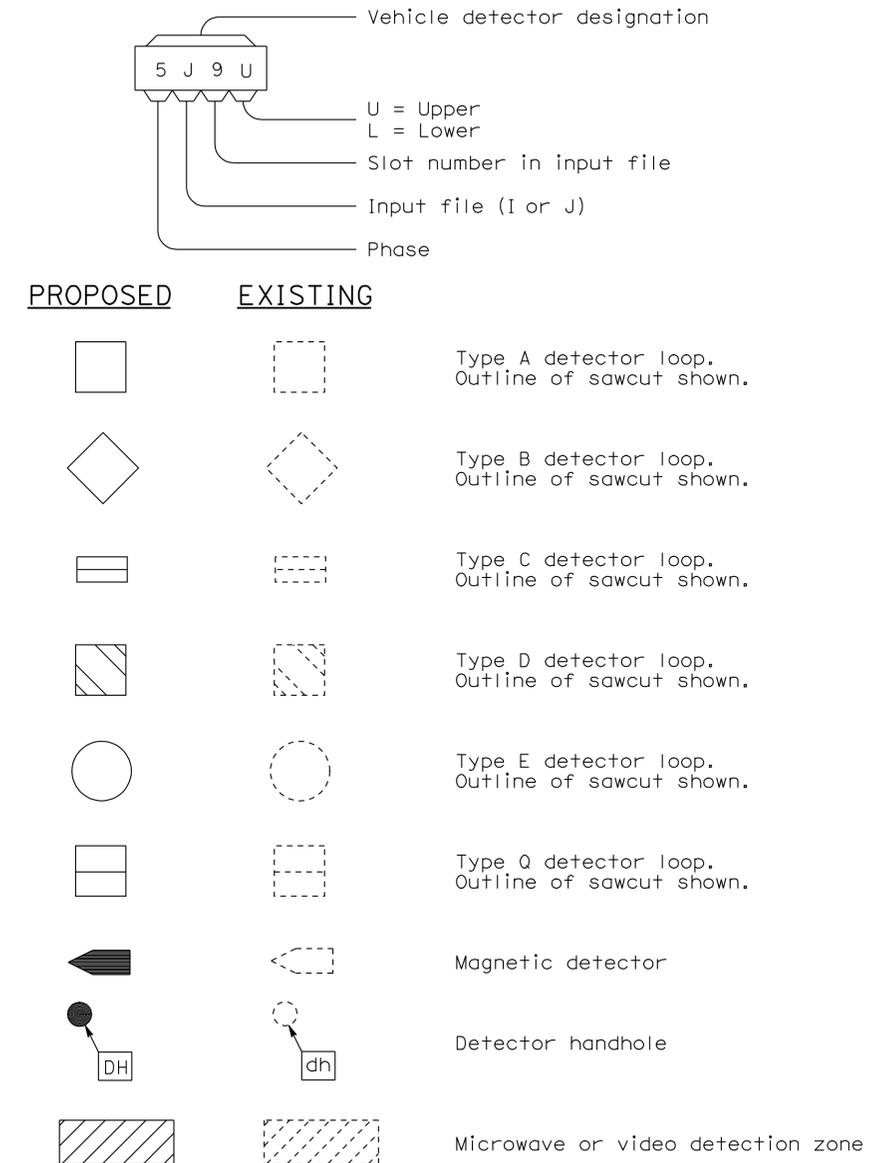
WIRING DIAGRAM LEGEND



PULL BOXES



VEHICLE DETECTORS



STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (SYMBOLS AND ABBREVIATIONS)

NO SCALE

RSP ES-1C DATED OCTOBER 5, 2007 SUPERCEDES STANDARD PLAN ES-1C
 DATED MAY 1, 2006 - PAGE 402 OF THE STANDARD PLANS BOOK DATED MAY 2006.

2006 REVISED STANDARD PLAN RSP ES-1C