INDEX OF SHEETS

Sheet No.

1	Title and Location Map
2-3	Layout Plans
4-5	Construction Details
6-7	Grading Plans
8-15	Drainage Plans
16	Summary of Quantities
17-18	Monitoring Plans

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

STATE OF CALIFORNIA

DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON

STATE HIGHWAY

IN LOS ANGELES COUNTY
IN LOS ANGELES
FROM 0.6 KM SOUTH OF ROUTE 118 TO
0.1 KM SOUTH OF ORCAS AVENUE UNDERCROSSING

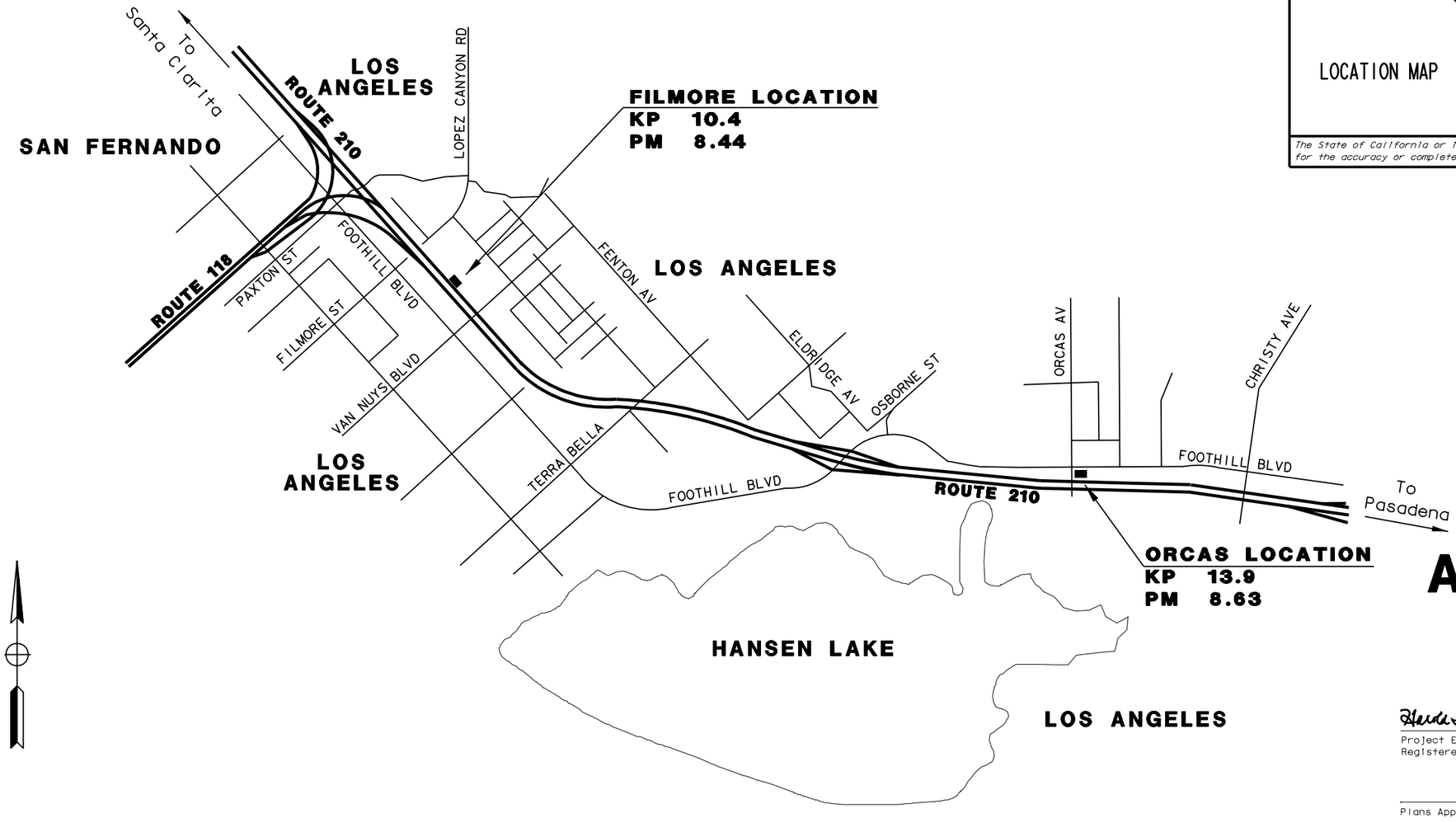
To be supplemented by Standard Plans dated July, 1997

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	210	10.4 / 13.9	1	18

LOCATION MAP

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.

Caltrans Metric



AS-BUILT

6 / 15 / 00

Harold T. Glaser 6/21/99

Project Engineer Date
Registered Civil Engineer

REGISTERED PROFESSIONAL ENGINEER
HAROLD T. GLASER
No. 30437
Exp. 3/31/00
CIVIL
STATE OF CALIFORNIA

Plans Approval Date

MONTGOMERY WATSON - CHAUDHARY
1230 COLUMBIA STREET SUITE 750
SAN DIEGO CA 92101-8571

Contract No. **07-2N9905**

PROJECT ENGINEER: GARY FRIEDMAN

DESIGN OVERSIGHT APPROVAL — PRINTED NAME: REFUGIO DOMINGUEZ — SIGNATURE: Refugio Dominguez — REGISTRATION NO.: 50820 — DATE: 6/99

Approved as to impact on State facilities and conformance with applicable state standards and practices and that technical oversight was performed as described in the California Department of Transportation A & E Consultant Service Manual.

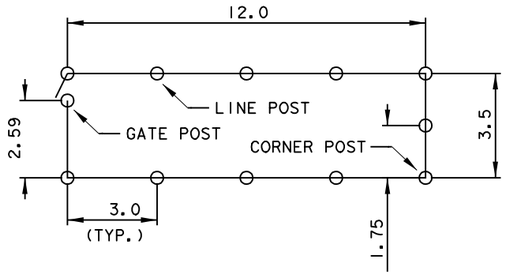
The Contractor shall possess the Class (or Classes) of license as specified in the ''Notice to Contractors''.

LAST REVISION — DATE PLOTTED => 29-JUN-2000

FOR REDUCED PLANS ORIGINAL 0 20 40 60 80

NOTE:

1. FOR COMPLETE R/W & ACCURATE ACCESS DATA, SEE R/W RECORD MAPS AT DISTRICT OFFICE.
2. EROSION CONTROL (TYPE D) SHALL BE APPLIED TO ALL DISTURBED AREAS.



CHAIN LINK FENCE (TYPE CL-8) DETAIL

Caltrans Metric

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	210	10.4/13.9	2	18

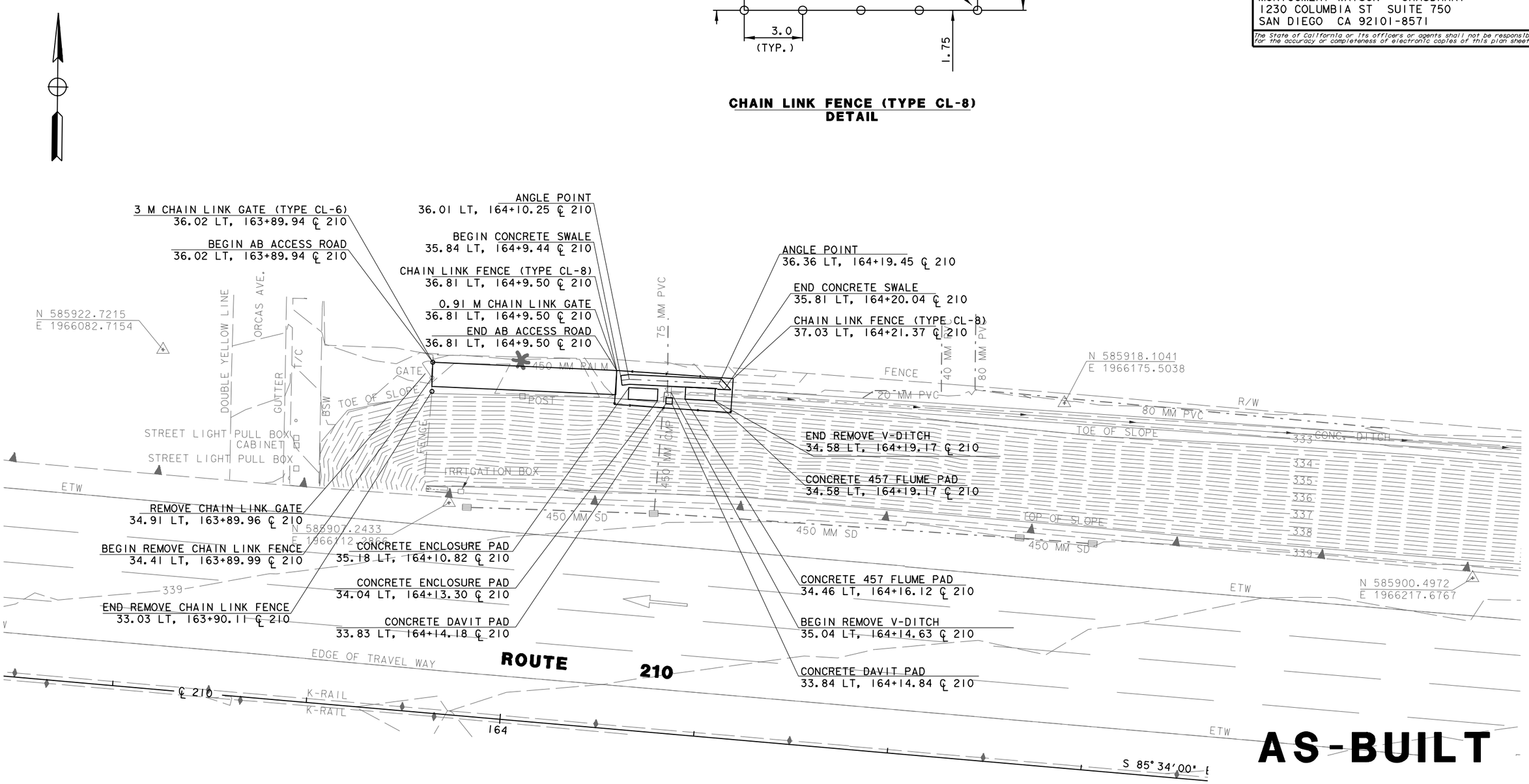
Harold T. Glaser 6/21/99
REGISTERED CIVIL ENGINEER

REGISTERED PROFESSIONAL ENGINEER — HAROLD T. GLASER No. 30437 EXP. 3/31/00 CIVIL — STATE OF CALIFORNIA

PLANS APPROVAL DATE

MONTGOMERY WATSON - CHAUDHARY
1230 COLUMBIA ST SUITE 750
SAN DIEGO CA 92101-8571

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.



AS-BUILT

LAYOUT

SCALE 1:200

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

210 E OF ORCAS AVE

L-1

DESIGN OVERSIGHT	CALCULATED/ DESIGNED BY	CHECKED BY	DATE	REVISED BY
REFUGIO DOMINGUEZ	CLP	GF	6/99	DATE REVISED

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION | DATE PLOTTED => 15-JUN-2000

FOR REDUCED PLANS ORIGINAL 0 20 40 60 80 USERNAME =>$$$$$$$USER$$$$$$$

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	210	10.4/13.9	4	18

Caltrans Metric

Harold T Glaser 6/21/99
REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — HAROLD T. GLASER — No. 30437 — EXP. 3/31/00 — CIVIL — STATE OF CALIFORNIA

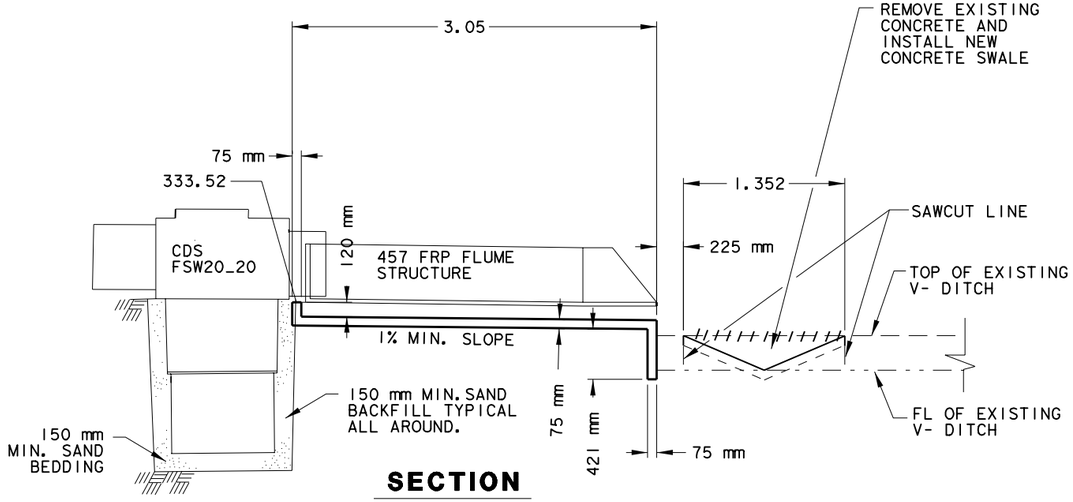
MONTGOMERY WATSON - CHAUDHARY
1230 COLUMBIA ST SUITE 750
SAN DIEGO CA 92101-8571

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.

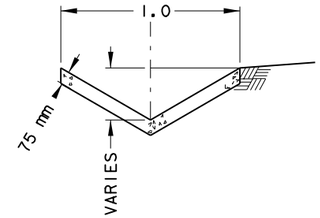
DESIGN OVERSIGHT	CALCULATED/ DESIGNED BY	CHECKED BY	DATE	REVISED BY	DATE REVISED
REFUGIO DOMINGUEZ	CLP	GF	6/99	GF	6/00

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

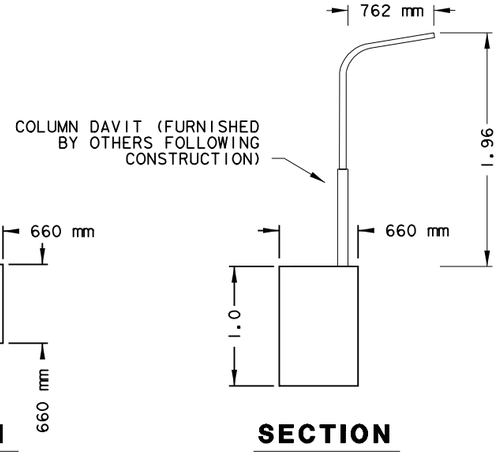
Caltrans



SECTION

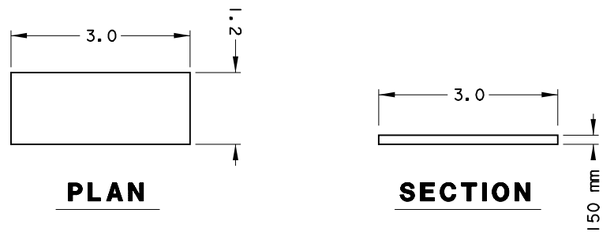


CONCRETE SWALE TYPICAL SECTION



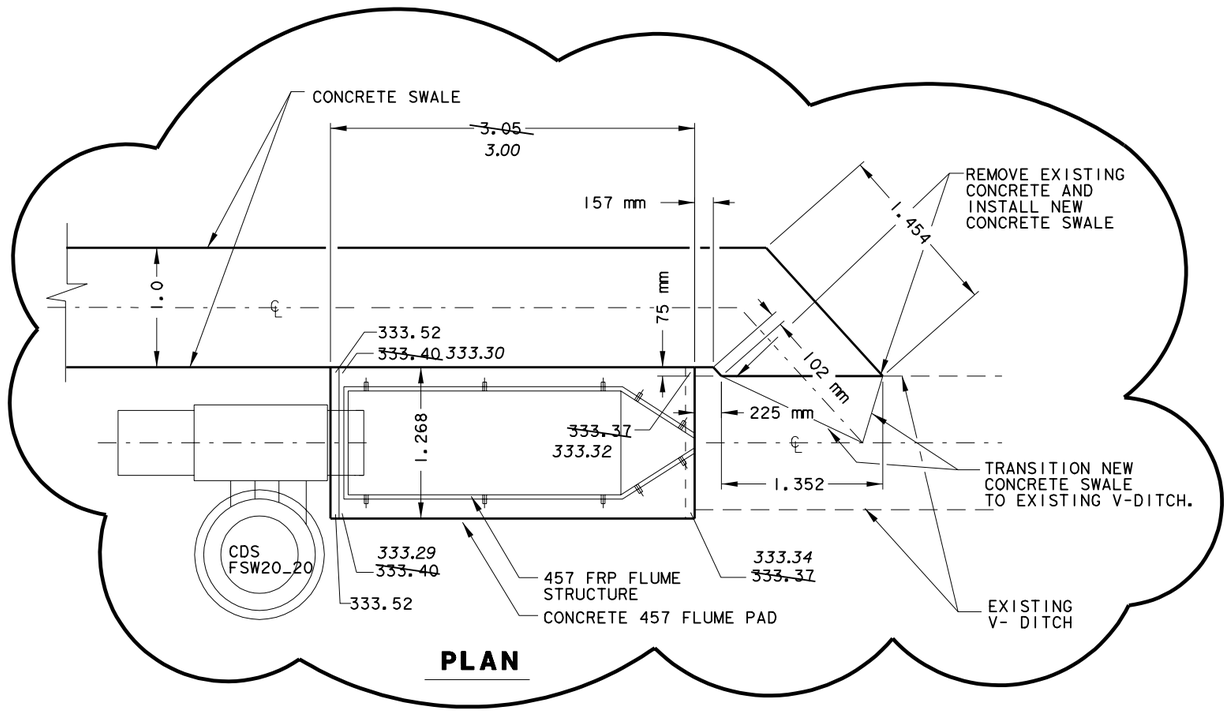
PLAN **SECTION**

CONCRETE DAVIT PAD



PLAN **SECTION**

CONCRETE ENCLOSURE PAD



PLAN

CONCRETE 457 FLUME PAD AND CONCRETE SWALE

AS-BUILT

CONSTRUCTION DETAILS

NO SCALE

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

C-1

LAST REVISION DATE PLOTTED => 15-JUN-2000

FOR REDUCED PLANS ORIGINAL 0 20 40 60 80 USERNAME =>$$$$$$$USER$$$$$$

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	210	10.4/13.9	5	18

Caltrans Metric

Harold T. Glaser 6/21/99
REGISTERED CIVIL ENGINEER

REGISTERED PROFESSIONAL ENGINEER — HAROLD T. GLASER — No. 30437 — EXP. 3/31/00 — CIVIL — STATE OF CALIFORNIA

PLANS APPROVAL DATE

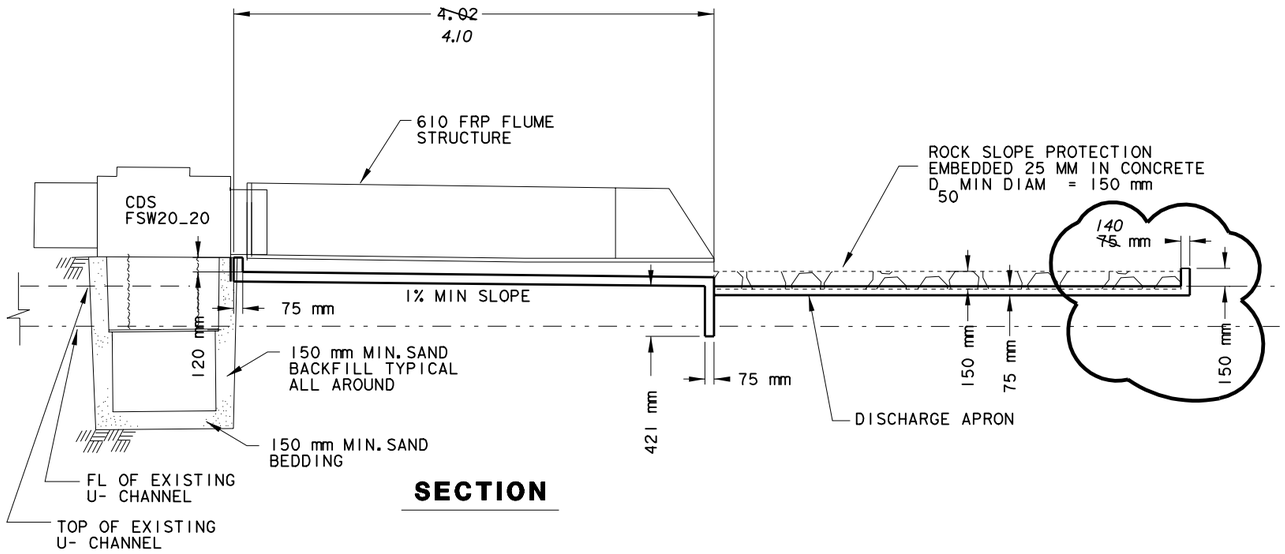
MONTGOMERY WATSON - CHAUDHARY
1230 COLUMBIA ST SUITE 750
SAN DIEGO CA 92101-8571

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.

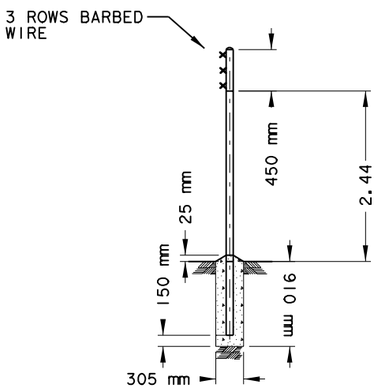
CALCULATED/ DESIGNED BY	CHECKED BY	CLP	DATE 6/99	REVISED BY	DATE REVISED	
		GF	6/99			6/00 GF

DESIGN OVERSIGHT
REFUGIO DOMINGUEZ

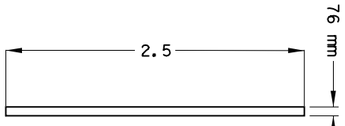
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans



SECTION

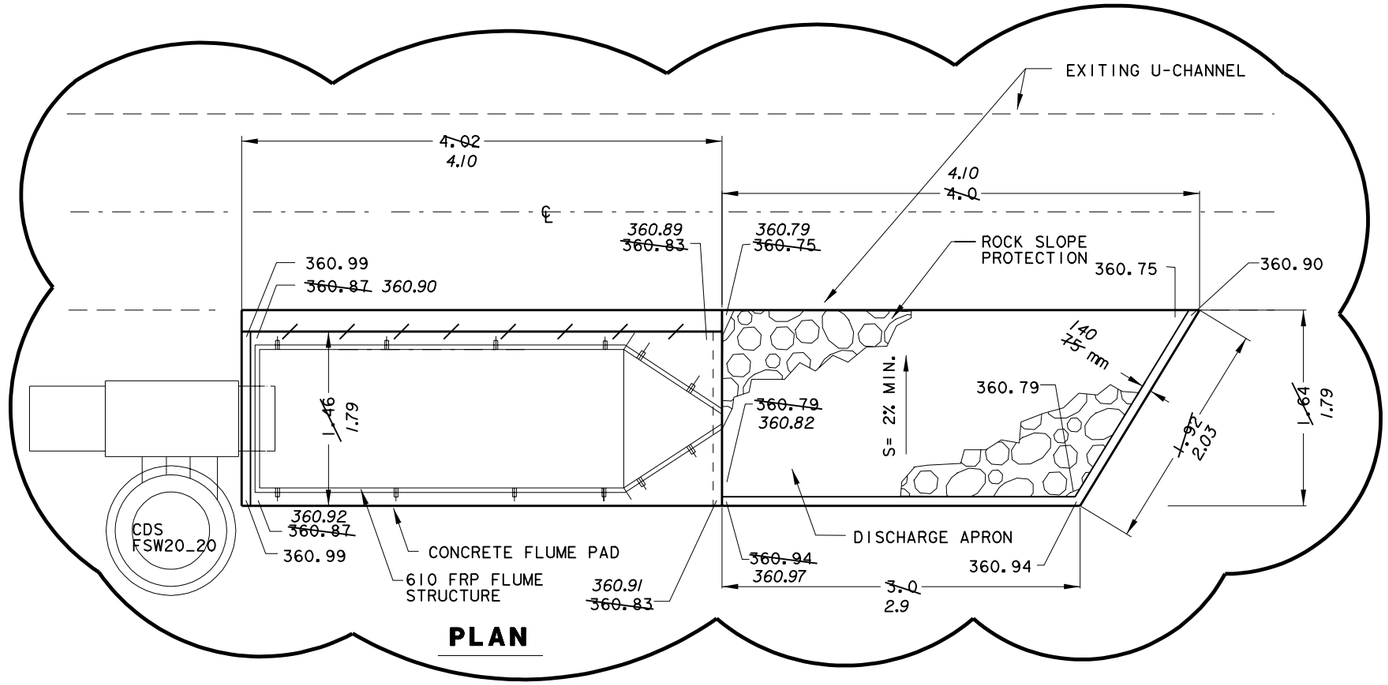


CHAIN LINK FENCE AND CONC. FOOTING DETAIL



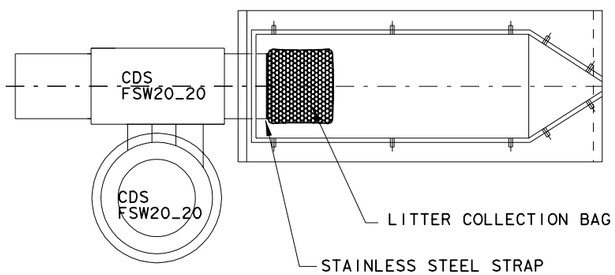
CROSS SECTION

AB ACCESS ROAD



PLAN

CONCRETE 610 FLUME PAD AND DISCHARGE APRON



PLAN

LITTER COLLECTION BAG

AS-BUILT

CONSTRUCTION DETAILS

NO SCALE

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

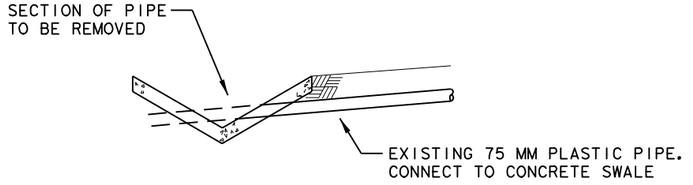
C-2

LAST REVISION DATE PLOTTED => 15-JUN-2000

FOR REDUCED PLANS ORIGINAL 0 20 40 60 80 USERNAME =>$$$$$$$USER$$$$$$$

NOTE:

1. CONTRACTOR TO LOCATE EXISTING CMP DOWN DRAIN TO VERIFY ELEVATION AND LENGTH OF NEW CMP PIPE REQUIRED TO MAINTAIN A 1% MIN. SLOPE.



REMOVE PIPE DETAIL
NOT TO SCALE

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	210	10.4/13.9	8	18

Caltrans Metric

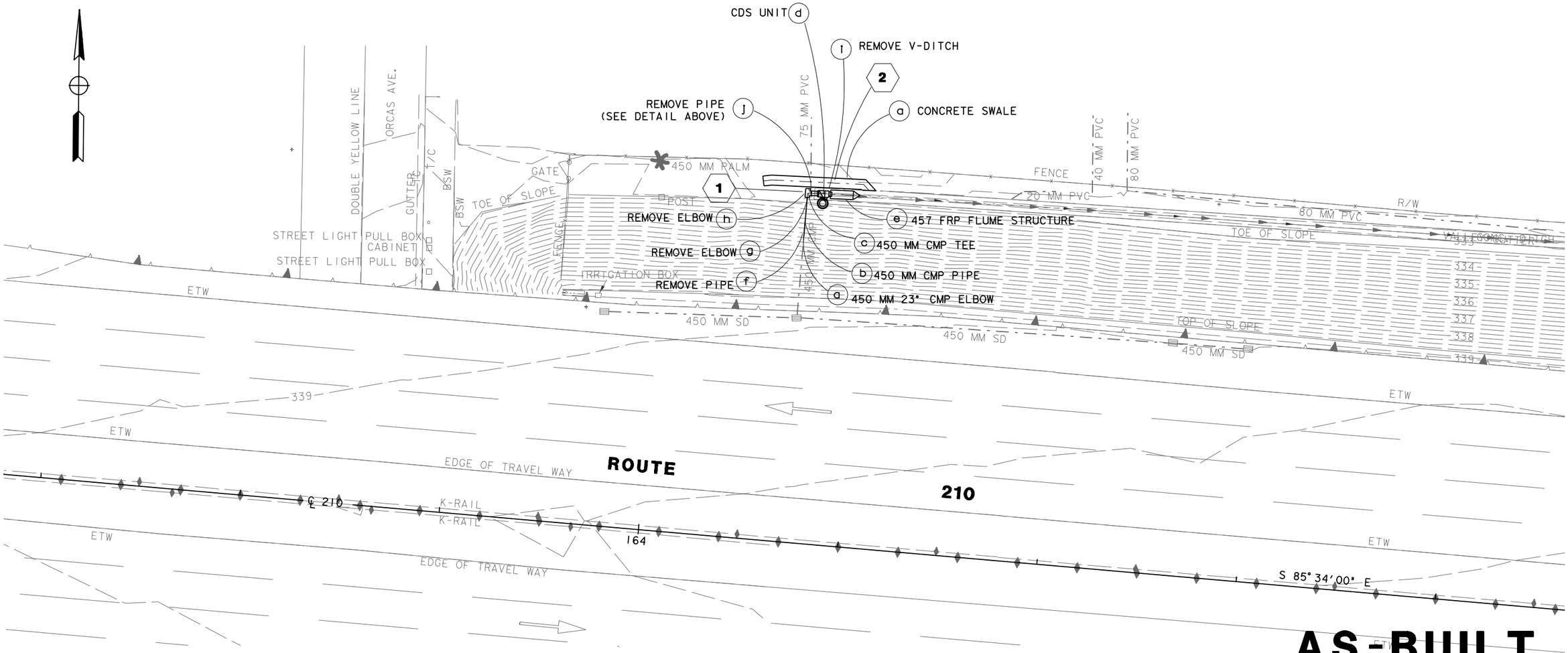
Harold T. Glaser 6/21/99
REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — HAROLD T. GLASER — No. 30437 — EXP. 3/31/00 — CIVIL — STATE OF CALIFORNIA

MONTGOMERY WATSON - CHAUDHARY
1230 COLUMBIA ST SUITE 750
SAN DIEGO CA 92101-8571

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.



AS-BUILT

DRAINAGE PLAN

ABBREVIATIONS:

CDS CONTINUOUS DEFLECTIVE SEPARATION
FPR FIBER REINFORCED PLASTIC

210 E OF ORCAS AVE

THIS PLAN ACCURATE FOR DRAINAGE ONLY

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

SCALE 1:200

D-1

DESIGN OVERSIGHT	CALCULATED/ DESIGNED BY	CHECKED BY	DATE	REVISED BY	DATE REVISED
REFUGIO DOMINGUEZ	CLP	GF	6/99		6/99

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

FOR REDUCED PLANS ORIGINAL 0 20 40 60 80

USERNAME =>$$$$$$USER$$$$$$

LAST REVISION DATE PLOTTED =>15-JUN-2000

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	210	10.4/13.9	10	18

Caltrans Metric

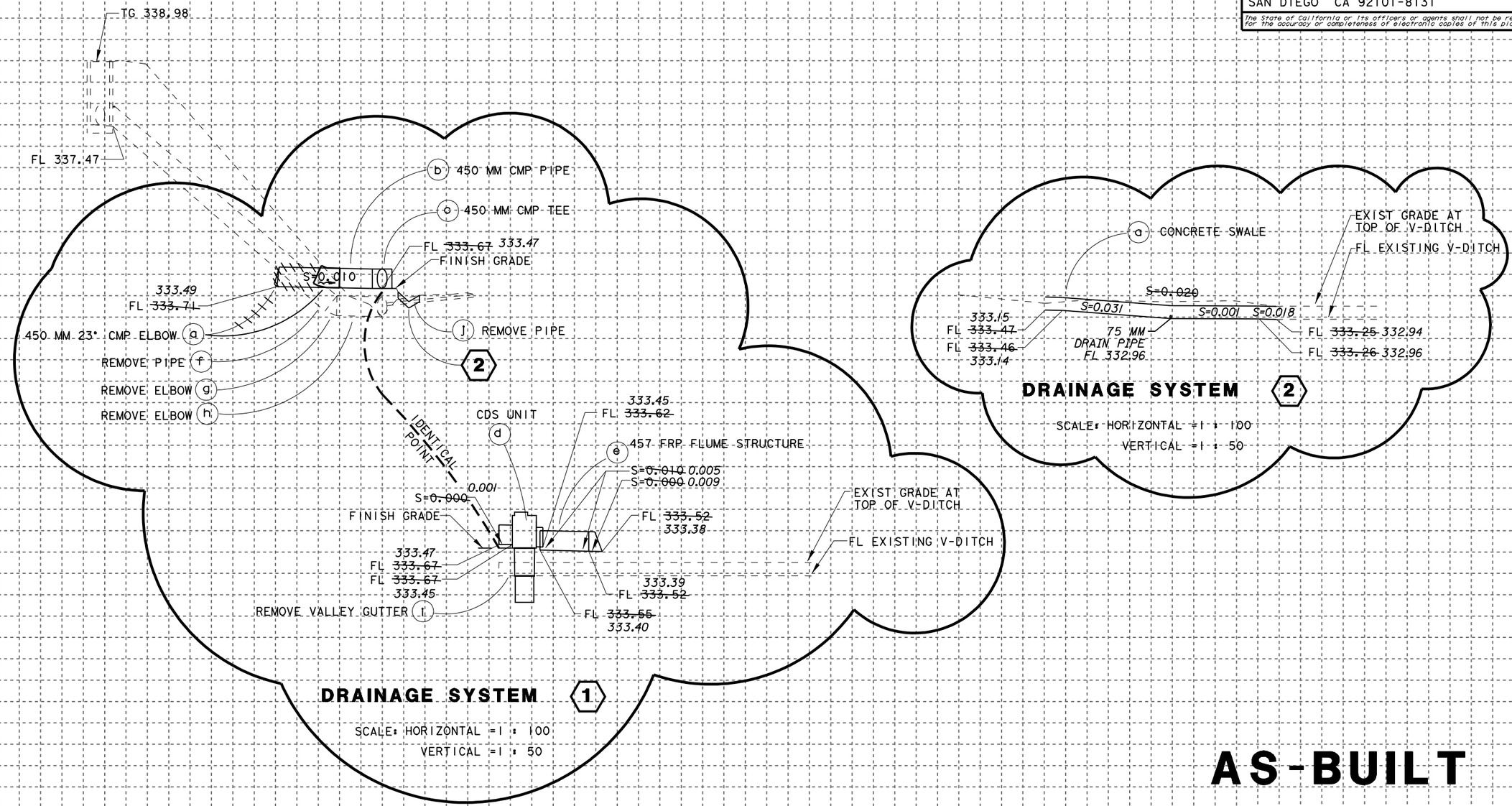
Harold T Glaser 6/21/99
REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — HAROLD T. GLASER — No. 30437 — Exp. 3/31/00 — CIVIL — STATE OF CALIFORNIA

MONTGOMERY WATSON - CHAUDHARY
750 B STREET SUITE 1610
SAN DIEGO CA 92101-8131

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.



AS-BUILT

DRAINAGE PROFILES

SCALE 1:100

D-3

210 E OF ORCAS AVE.

ALL DIMENSIONS ARE IN METERS
UNLESS OTHERWISE SHOWN

DESIGN OVERSIGHT — REFUGIO DOMINGUEZ

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — Caltrans

CALCULATED/ DESIGNED BY	CHECKED BY	DATE REVISED	REVISED BY
CLP	GF	4/98	6/00

Station
m³ Exc Emb

LAST REVISION DATE PLOTTED => 15-JUN-2000

FOR REDUCED PLANS ORIGINAL 0 20 40 60 80

USERNAME => $$$$$$USER$$$$$$

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	210	10.4/13.9	10	18

Caltrans Metric

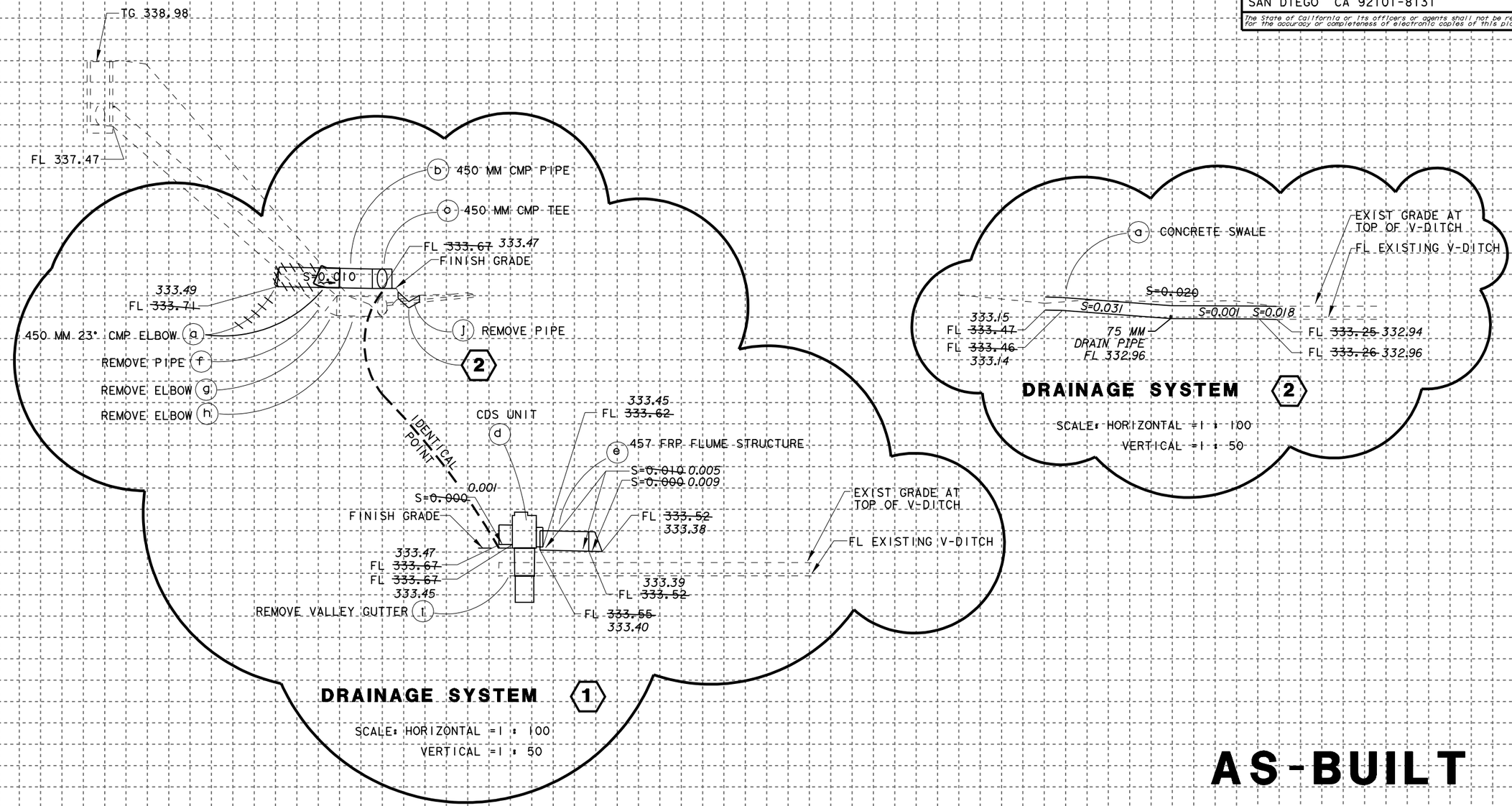
Harold T Glaser 6/21/99
REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — HAROLD T. GLASER — No. 30437 — Exp. 3/31/00 — CIVIL — STATE OF CALIFORNIA

MONTGOMERY WATSON - CHAUDHARY
750 B STREET SUITE 1610
SAN DIEGO CA 92101-8131

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.



AS-BUILT

DRAINAGE PROFILES

SCALE 1:100

D-3

210 E OF ORCAS AVE.

ALL DIMENSIONS ARE IN METERS
UNLESS OTHERWISE SHOWN

DESIGN OVERSIGHT — REFUGIO DOMINGUEZ

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — Caltrans

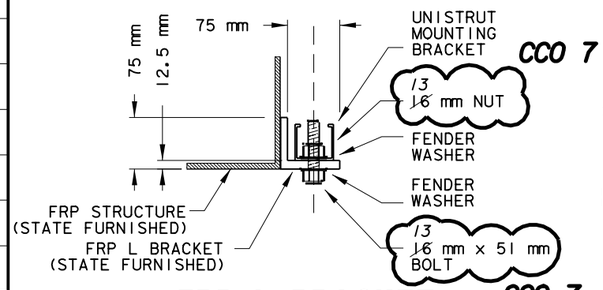
CALCULATED/ DESIGNED BY	CHECKED BY	DATE REVISED	REVISED BY
CLP	GF	4/98	6/00

Station
m³ Exc Emb

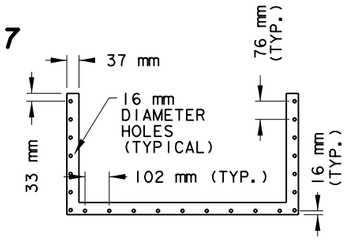
LAST REVISION DATE PLOTTED => 15-JUN-2000

FOR REDUCED PLANS ORIGINAL 0 20 40 60 80

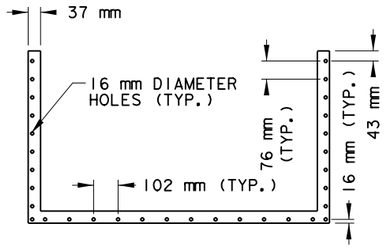
USERNAME => $$$$$$USER$$$$$$



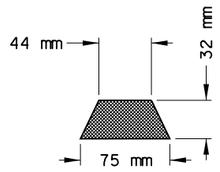
FRP L BRACKET DETAIL



457 FLANGE DETAIL



610 FLANGE DETAIL



FRP STIFFENER DETAIL

Caltrans Metric

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	210	10.4/13.9	12	18

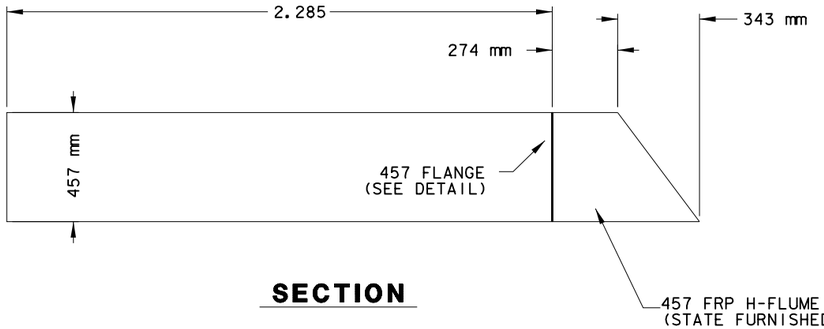
Harold T. Glaser 6/21/99
REGISTERED CIVIL ENGINEER

REGISTERED PROFESSIONAL ENGINEER — HAROLD T. GLASER — No. 30437 — EXP. 3/31/00 — CIVIL — STATE OF CALIFORNIA

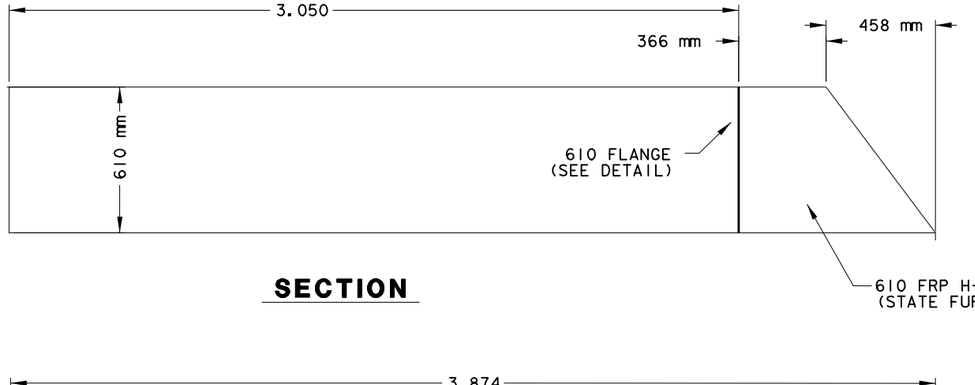
PLANS APPROVAL DATE

MONTGOMERY WATSON - CHAUDHARY
1230 COLUMBIA ST SUITE 750
SAN DIEGO CA 92101-8571

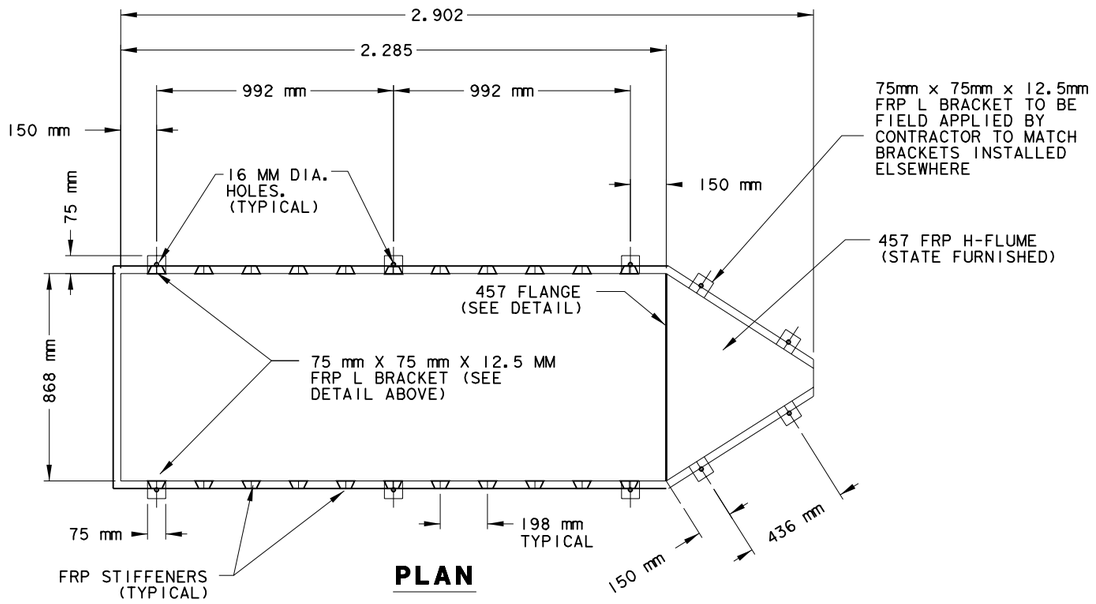
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



SECTION

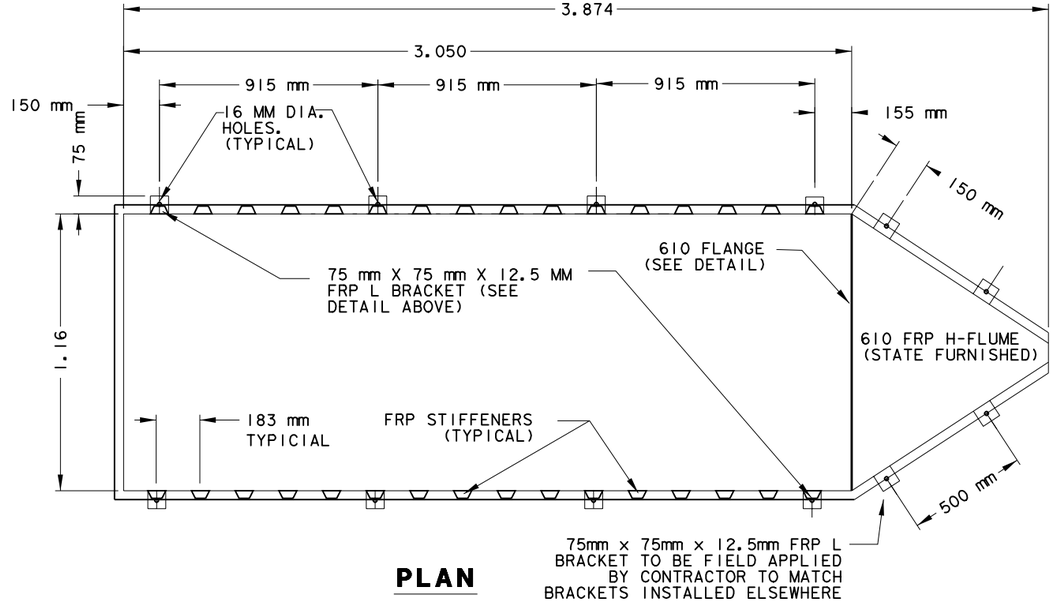


SECTION



PLAN

457 FRP FLUME STRUCTURE (STATE FURNISHED)



PLAN

610 FRP H-FLUME STRUCTURE (STATE FURNISHED)

AS-BUILT
DRAINAGE DETAILS

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

NO SCALE

D-5

	DATE	REVISED BY	DATE REVISED
CALCULATED/ DESIGNED BY		6/00	GF
CHECKED BY	6/99	REVISED BY	DATE REVISED
CLP	DATE 6/99		
GF	6/99		

DESIGN OVERSIGHT
REFUGIO DOMINGUEZ

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION
DATE PLOTTED => 15-JUN-2000

FOR REDUCED PLANS ORIGINAL 0 20 40 60 80 USERNAME =>$$$$$$$USER$$$$$$$

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	210	10.4/13.9	13	18

Caltrans Metric

Harold T Glaser 6/21/99
REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — HAROLD T. GLASER — No. 30437 — EXP. 3/31/00 — CIVIL — STATE OF CALIFORNIA

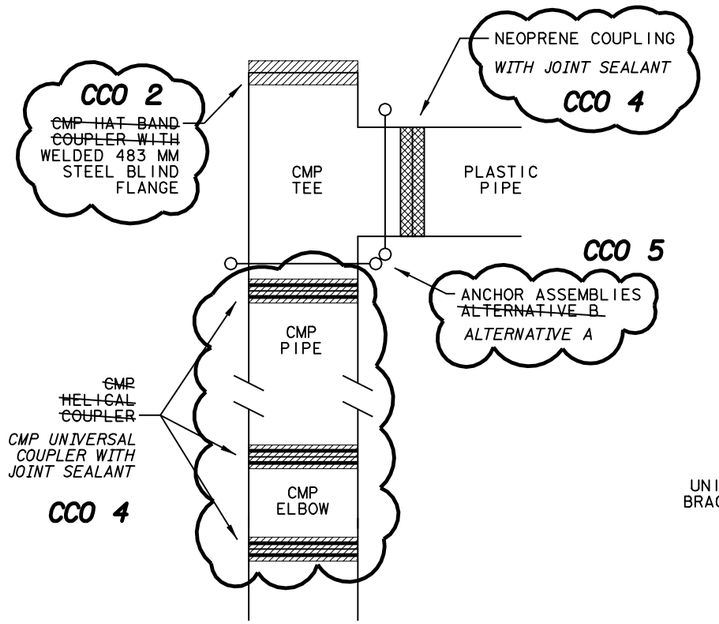
MONTGOMERY WATSON - CHAUDHARY
1230 COLUMBIA ST SUITE 750
SAN DIEGO CA 92101-8571

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.

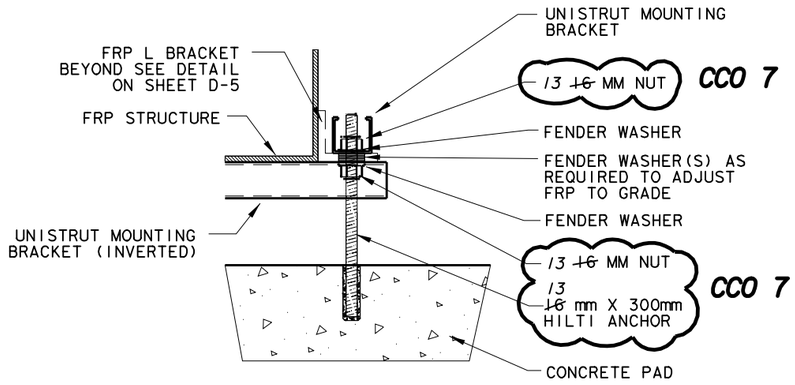
	DATE	REVISED BY
CALCULATED/ DESIGNED BY		
CHECKED BY	6/99	GF
CLP	6/99	DATE REVISED
GF	6/00	GF

DESIGN OVERSIGHT
REFUGIO DOMINGUEZ

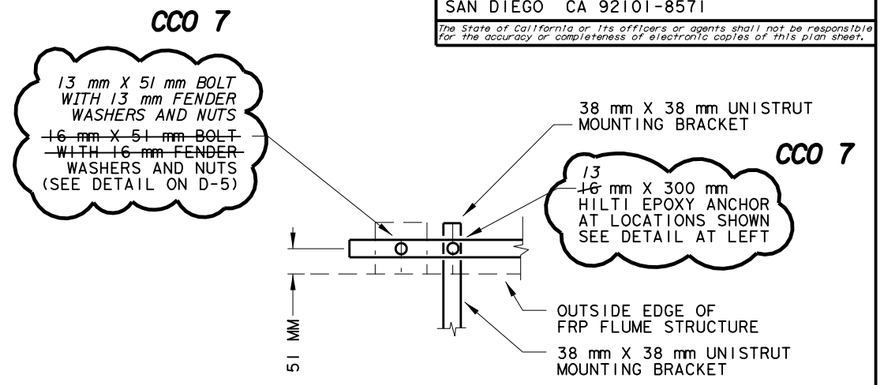
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans



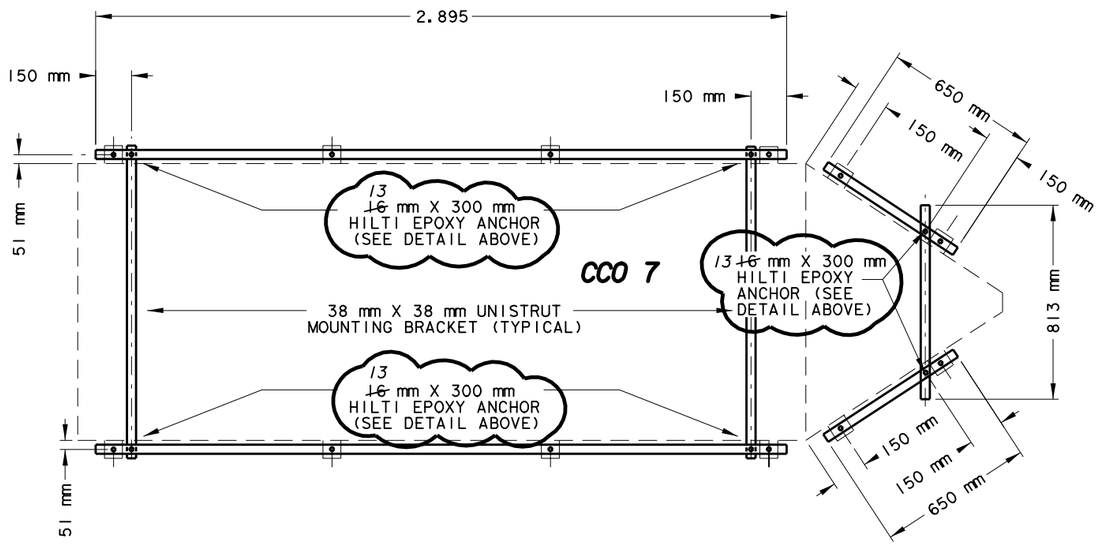
PIPE CONNECTION DETAILS



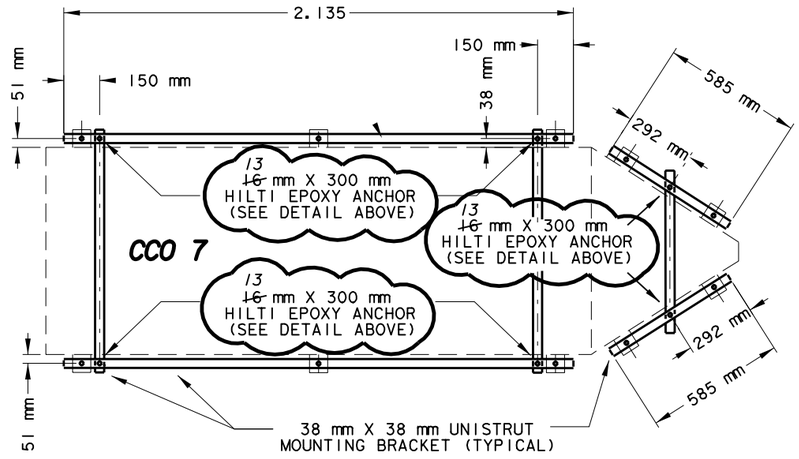
HILTI EPOXY ANCHOR DETAIL



UNISTRUT ASSEMBLY DETAIL



610 FLUME UNISTRUT FRAME



457 FLUME UNISTRUT FRAME

AS-BUILT

DRAINAGE DETAILS

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

NO SCALE

D-6

FOR REDUCED PLANS ORIGINAL 0 20 40 60 80 USERNAME =>$$$$$$$USER$$$$$$$

LAST REVISION 00 00 00 DATE PLOTTED => 15-JUN-2000

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	210	10.4/13.9	14	18

Caltrans Metric

Harold T. Glaser 6/21/99
REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

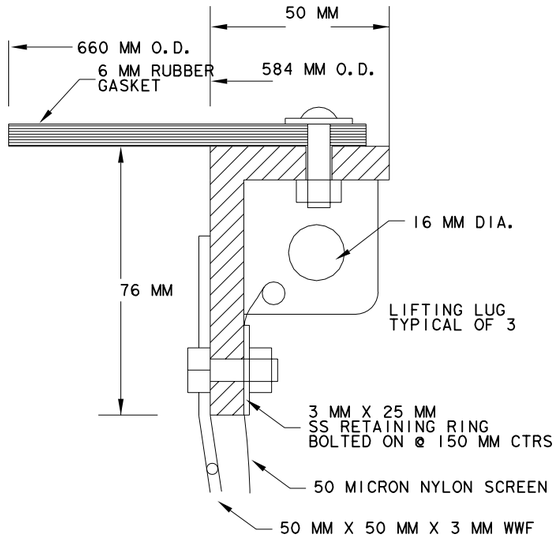
REGISTERED PROFESSIONAL ENGINEER — HAROLD T. GLASER — No. 30437 — EXP. 3/31/00 — CIVIL — STATE OF CALIFORNIA

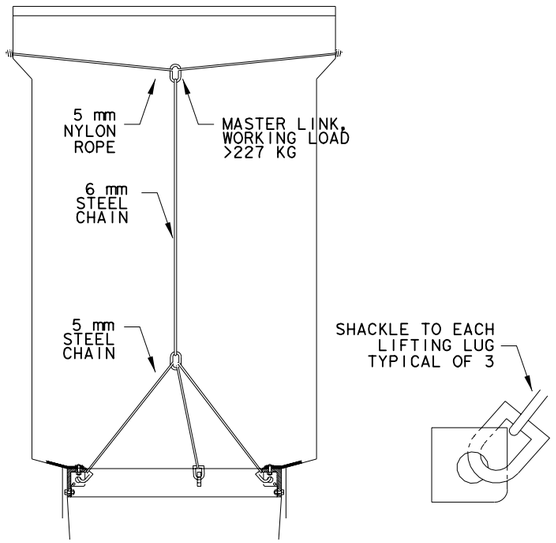
MONTGOMERY WATSON - CHAUDHARY
1230 COLUMBIA ST SUITE 750
SAN DIEGO CA 92101-8571

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.

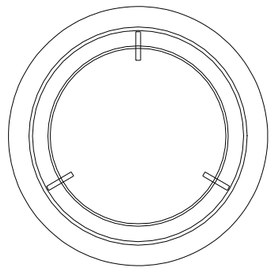
DESIGN OVERSIGHT	CALCULATED/ DESIGNED BY	DATE	REVISED BY
REFUGIO DOMINGUEZ	CHECKED BY	6/99	GF
	CLP	6/99	DATE REVISED
	GF	6/00	GF

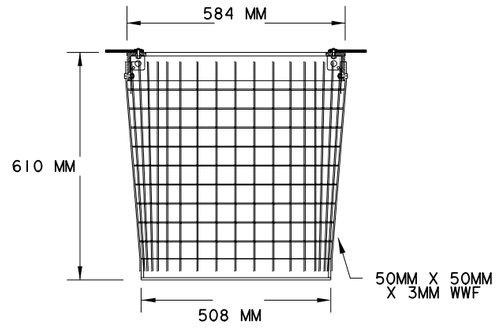
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans





BASKET HARNESS

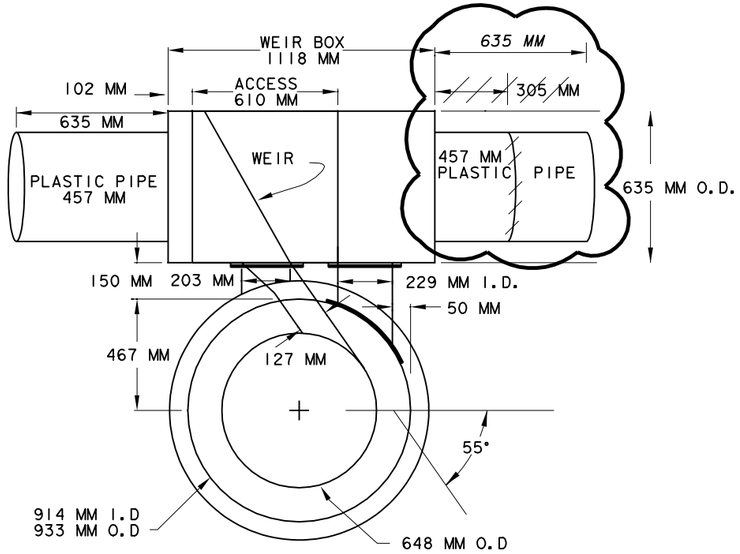




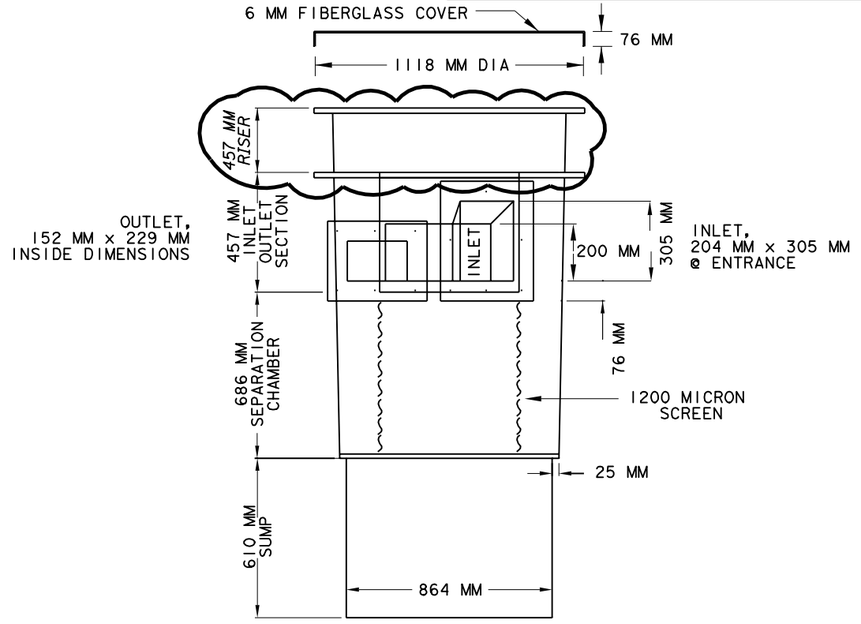
NOTE: ALL STEEL TO BE EPOXY COATED

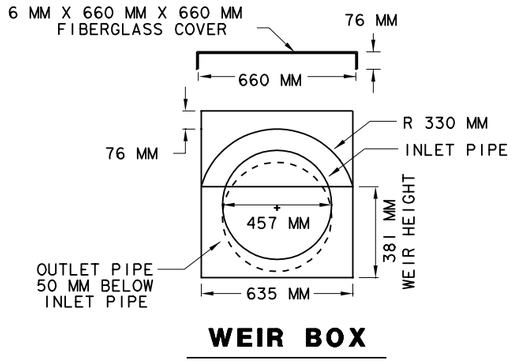
DEBRIS BASKET

NOTE:
ALL ITEMS SHOWN, STATE FURNISHED



CDS UNIT, MODEL FSW20-20





WEIR BOX

AS-BUILT
DRAINAGE DETAILS

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

NO SCALE

D-7

LAST REVISION 00 00 00 DATE PLOTTED => 15-JUN-2000

FOR REDUCED PLANS ORIGINAL 0 20 40 60 80 USERNAME =>$$$$$$$USER$$$$$$$

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	210	10.4/13.9	15	18

Harold T Glaser 6/21/99
REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — HAROLD T. GLASER — No. 30437 — EXP. 3/31/00 — CIVIL — STATE OF CALIFORNIA

MONTGOMERY WATSON - CHAUDHARY
1230 COLUMBIA ST SUITE 750
SAN DIEGO CA 92101-8571

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.

DRAINAGE QUANTITIES

DRAINAGE SYSTEM NO	DRAINAGE UNIT	450 MM 10° CMP ELBOW	450 MM 23° CMP ELBOW	450 MM CMP PIPE	450 MM CMP TEE	ANCHOR ASSEMBLY, ALT. B	CMP COUPLING	NEOPRENE COUPLING	CDS FSW20_20 (N)	INSTALL CDS UNIT	457 FRP FLUME STRUCTURE (N)	610 FRP FLUME STRUCTURE (N)	INSTALL 457 FRP FLUME STRUCTURE	INSTALL 610 FRP FLUME STRUCTURE	LITTER BAG	REMOVE PIPE	REMOVE ELBOW	REMOVE V-DITCH	REMOVE FES	REMOVE APRON	ROCK SLOPE PROTECTION	MINOR CONCRETE	DESCRIPTION	STATION	DRAINAGE PLAN SHEET NO.	DRAINAGE SYSTEM NO.	DRAINAGE UNIT
		EA	EA	m	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	m	EA	EA	m3	m3					
1	a		1				1																450 MM 23° CMP ELBOW	30.59 LT, 164+13.95 CL 210	D-1	1	a
1	b			4			1																450 mm CMP PIPE	30.89 LT, 164+13.95 CL 210	D-1	1	b
1	c				1	2	1	1															450 MM CMP TEE	34.59 LT, 164+13.94 CL 210	D-1	1	c
1	d								1	1													CDS UNIT	35.03 LT, 164+14.40 CL 210	D-1	1	d
1	e										1		1		1								457 FRP FLUME STRUCTURE	35.10 LT, 164+16.23 CL 210	D-1	1	e
1	f															1							REMOVE PIPE	30.59 LT, 164+13.95 CL 210	D-1	1	f
1	g																1						REMOVE ELBOW	34.33 LT, 164+13.94 CL 210	D-1	1	g
1	h																1						REMOVE ELBOW	34.59 LT, 164+13.94 CL 210	D-1	1	h
1	i																	4.5					REMOVE V-DITCH	35.04 LT, 164+14.63 CL 210	D-1	1	i
1	j															1							REMOVE PIPE	36.66 LT, 164+14.14 CL 210	D-1	1	j
2	a																					1.0	CONCRETE SWALE	35.84 LT, 164+9.44 CL 210	D-1	2	a
3	a	1					1																450 MM 10° CMP ELBOW	46.51 LT, 129+63.61 CL 210	D-2	3	a
3	b			4			1																450 mm CMP PIPE	46.81 LT, 129+63.61 CL 210	D-2	3	b
3	c				1	2	1	1															450 MM CMP TEE	50.86 LT, 129+64.13 CL 210	D-2	3	c
3	d								1	1													CDS UNIT	51.26 LT, 129+64.61 CL 210	D-2	3	d
3	e											1		1	1								610 FRP FLUME STRUCTURE	51.15 LT, 129+66.46 CL 210	D-2	3	e
3	f																				1	0.5	DISCHARGE APRON	50.92 LT, 129+70.32 CL 210	D-2	3	f
3	g															1							REMOVE PIPE	46.51 LT, 129+63.61 CL 210	D-2	3	g
3	h																1						REMOVE ELBOW	50.56 LT, 129+64.15 CL 210	D-2	3	h
3	i																		1				REMOVE FES	50.86 LT, 129+64.15 CL 210	D-2	3	i
3	j																			1			REMOVE APRON	50.86 LT, 129+64.15 CL 210	D-2	3	j
SHEET TOTAL		1	1	8	2	4	6	2	2	2	1	1	1	1	2	3	3	4.5	1	1	1	1.5					

(N) NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

AS-BUILT

DRAINAGE QUANTITIES

D-8

CALCULATED/ DESIGNED BY	CLP	DATE 6/99	REVISED BY
CHECKED BY	GF	6/99	DATE REVISED

DESIGN OVERSIGHT
REFUGIO DOMINGUEZ

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION 00 00 00 DATE PLOTTED => 15-JUN-2000

FOR REDUCED PLANS ORIGINAL 0 20 40 60 80 USERNAME =>$$$$$$$USER$$$$$$$

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	210	10.4/13.9	16	18

Caltrans Metric

Harold T Glaser 6/21/99
REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
HAROLD T. GLASER
No. 30437
EXP. 3/31/00
CIVIL
STATE OF CALIFORNIA

MONTGOMERY WATSON - CHAUDHARY
1230 COLUMBIA ST SUITE 750
SAN DIEGO CA 92101-8571

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.

FENCES AND GATES

STATION	LOC	SITE	CHAIN LINK GATE (TYPE CL-6)	CHAIN LINK GATE (TYPE CL-8)	CHAIN LINK FENCE (TYPE CL-8)	REMOVE CHAIN LINK GATE	REMOVE CHAIN LINK FENCE
			EA	EA	M	EA	M
CL 210 163+89.94 TO 163+90.11	LT	ORCAS	1				
CL 210 164+9.50	LT	ORCAS		1			
CL 210 164+9.50	LT	ORCAS			30		
CL 210 163+89.99 TO 163+90.11	LT	ORCAS				1	
CL 210 163+89.99 TO 163+90.11	LT	ORCAS					1.4
CL 210 129+63.36	LT	FILMORE		1			
CL 210 128+63.36 TO 129+75.34	LT	FILMORE			30		
TOTAL			1	2	60	1	1.4

ROADWAY

STATION	LOC	SITE	CLASS 2 AGGREGATE BASE
			M3
CL 210 163+89.94 TO 164+9.50	LT	ORCAS	4
CL 210 127 (APPROX) TO 129+37.75	LT	FILMORE	50
TOTAL			54

MINOR CONCRETE (MISC. CONSTRUCTION)

STATION	LOC	SITE	CONCRETE ENCLOSURE PAD	CONCRETE 457 FLUME PAD	CONCRETE 610 FLUME PAD	CONCRETE DAVIT PAD
			M3	M3	M3	M3
CL 210 164+10.28 TO 164+13.30	LT	ORCAS	0.54			
CL 210 164+16.12 TO 164+19.17	LT	ORCAS		0.34		
CL 210 164+16.12 TO 164+19.17	LT	ORCAS				0.44
CL 210 129+66.22 TO 129+69.35	LT	FILMORE	0.54			
CL 210 129+66.36 TO 129+70.37	LT	FILMORE			0.50	
CL 210 129+64.34	LT	FILMORE				0.44
CL 210 129+70.38 TO 129+73.29	LT	FILMORE				
TOTAL			1.08	0.34	0.50	0.88

EARTHWORK AND GRADING

STATION	LOC	SITE	IMPORTED BORROW	SAND BEDDING	SAND BACKFILL	EROSION CONTROL (TYPE D)
			M3	M3	M3	M2
CL 210 164+10.00 TO 164+19.00	LT	ORCAS	4			
CL 210 164+13.90	LT	ORCAS		0.2		
CL 210 164+13.90	LT	ORCAS			0.7	
CL 210 163+89.00 TO 164+22.00	LT	ORCAS				150
CL 210 129+62.00 TO 129+69.00	LT	FILMORE	4			
CL 210 129+65.56	LT	FILMORE		0.2		
CL 210 129+65.56	LT	FILMORE			0.7	
CL 210 129+66.00 TO 129+76.00	LT	FILMORE				1,000
TOTAL			8	0.4	1.4	1,150

AS-BUILT

SUMMARY OF QUANTITIES

ALL DIMENSIONS ARE IN
METERS UNLESS OTHERWISE SHOWN

Q-1

DESIGN OVERSIGHT	CALCULATED/ DESIGNED BY	DATE	REVISED BY
REFUGIO DOMINGUEZ	CHECKED BY	6/99	DATE REVISED
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	GF	CLP	6/99

Caltrans

LAST REVISION
DATE PLOTTED => 15-JUN-2000

FOR REDUCED PLANS ORIGINAL 0 20 40 60 80 USERNAME =>$$$$$$$USER$$$$$$

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	210	10.4/13.9	17	18

Caltrans Metric

Harold T Glaser 6/21/99
REGISTERED CIVIL ENGINEER

REGISTERED PROFESSIONAL ENGINEER — HAROLD T. GLASER — No. 30437 — EXP. 3/31/00 — CIVIL — STATE OF CALIFORNIA

PLANS APPROVAL DATE

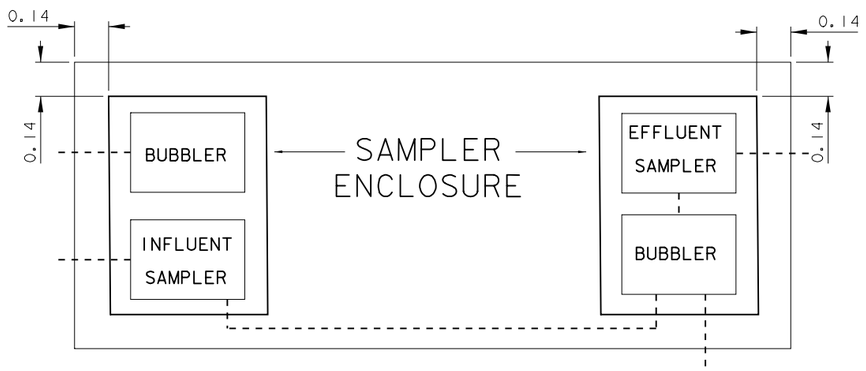
MONTGOMERY WATSON - CHAUDHARY
1230 COLUMBIA ST SUITE 750
SAN DIEGO CA 92101-8571

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.

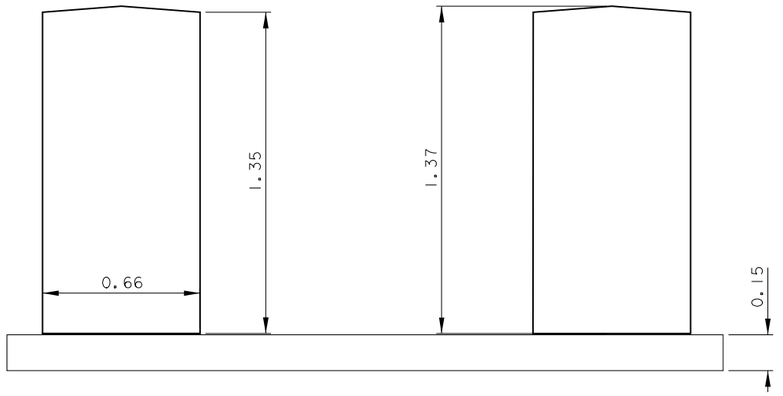
CALCULATED/ DESIGNED BY	DATE	REVISED BY
CHECKED BY	6/99	DATE REVISED
CLP	GF	

DESIGN OVERSIGHT
REFUGIO DOMINGUEZ

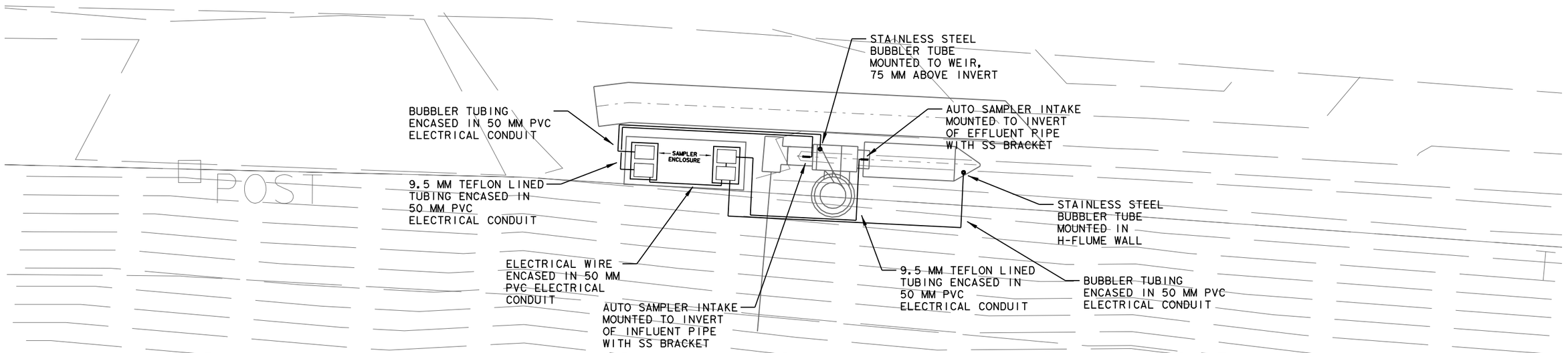
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans



PLAN



SECTION



210 E OF ORCAS AVE

MONITORING PLAN

SCALE 1:50

ALL WORK SHOWN TO BE SUPPLIED BY OTHERS FOLLOWING COMPLETION OF CONSTRUCTION

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

M-1

LAST REVISION DATE PLOTTED => 15-JUN-2000

FOR REDUCED PLANS ORIGINAL 0 20 40 60 80 USERNAME =>$$$$$$$USER$$$$$$$