

February 10, 1995

Ms. Susan L. Hugo
Senior Hazardous Materials Specialist
Alameda County Health Agency
Division of Environmental Protection
1131 Harbor Bay Parkway, 2nd Floor
Alameda CA 94502

**Re: SD 200 - North Interceptor Relocation Project
Construction Schedule**

Dear Ms. Hugo,

We have enclosed a copy of our Contractor's (Mountain Cascade, Inc.) Schedule for installing a 72-84 inch diameter pipeline through Caltrans Cypress Freeway properties. Properties once owned by Barbary Coast Steel and Shellmound Properties.

The schedule activities are delineated by pipeline stations. For orientation we have provided a location map in which reference stations are shown, e.g., Temescal Creek crossing work is Sta 25+00. These activities are scheduled to take place April 17 through September 19, 1995. In general the field work began in December 1994 and will continue through November 1995.

As discussed in our meeting we have met in the field with scientists from PES Environmental, Inc. to identify the existing monitoring wells that are impacted by our project. Monitoring wells MW-4 and 5 will be removed in entirety by our trench excavation. A copy of our Application to Zone 7 requesting permission to remove these wells is enclosed for your information.

Ms. Susan Hugo
February 10, 1995
Page 2

Please call me, if you have any questions

Sincerely,



ALBERT C WEITZ
Construction Manager

ACW:dgc

Attachment
PCV59V.H05

cc Caltrans, Scott Hislop
Caltrans, Joel Howie
California Environmental Protection Agency, DTSC, Lynn Nakashima
California Regional Water Quality Control Board, S F Region, Sumadhu Arigala
Clayton Environmental Consultants, Tony McElligott
PES Environmental, John Skalbeck

ZONE 7 WATER AGENCY



5987 PARKSIDE DRIVE

PLEASANTON, CALIFORNIA 94588

VOICE (510) 464-2600

FAX (510) 462-3914

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Immediately east of
Fwy 80 between Powell St and
Fwy 580 (see attached maps)

PERMIT NUMBER _____
LOCATION NUMBER _____

CLIENT
Name EBMUD MS#59 Tel 510 287 1624
Address PO Box 24055 Voice Att: Al WEITZ Fax 510 287 1712
City Oakland CA Zip 94623-1055

PERMIT CONDITIONS

Circled Permit Requirements Apply

APPLICANT/CONTRACTOR
Name Mountain Cascade Inc.
Att: Roger Williamson Fax 510 373 0940
Address PO Box 5050 Voice Tel 373 8370
City Livermore CA Zip 94550

A. GENERAL

1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well Projects, or drilling logs and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

B. WATER WELLS, INCLUDING PIEZOMETERS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

C. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

D. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

E. WELL DESTRUCTION. See attached.

- REMOVE IN ENTIRETY MONITORING WELLS MW-4, & MW-5 (SEE MAP)
- DETAILS OF WELLS ATTACHED.

TYPE OF PROJECT

Well Construction	Geotechnical Investigation
Cathodic Protection	General
Water Supply	Monitoring Contamination
Monitoring	Well Destruction <input checked="" type="checkbox"/>

PROPOSED WATER SUPPLY WELL USE N/A
Domestic Industrial Other
Municipal Irrigation

DRILLING METHOD: N/A
Mud Rotary Air Rotary Auger
Cable Other Excavator

CONTRACTOR'S
DRILLER'S LICENSE NO. Gen Engr. 422496
Exp. 5/31/96

WELL PROJECTS
Drill Hole Diameter 8 in. Maximum Depth 16.5 ft.
Casing Diameter 2 in. Number 2
Surface Seal Depth 4.5 ft.

GEOTECHNICAL PROJECTS
Number of Borings _____ Medium Depth _____ ft.
Hole Diameter _____ in.

ESTIMATED STARTING DATE MAY *
ESTIMATED COMPLETION DATE JUNE

* Excavating a 10' wide, 30' deep pipeline trench. Wells will be removed in entirety within a day period, as they are engulfed by the trench excavation.
Approved _____ Date _____

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-66.

APPLICANT'S SIGNATURE Albert Weitz Date 2/8/95
A. WEITZ

RECEIVED

FEB 28 1995

91002

CALIFORNIA
DEPARTMENT OF WATER RESOURCES
OFFICE OF WELL DRILLING

LOCATION OF WELLS TO BE REMOVED

2/1/95

2/8/95

P 3

POWELL STREET

STA 45+00

INTERSTATE 80

PROPOSED NORTH INTERCEPTOR
72" RCP
EBMUD PROJECT
50 200 CONTRACTOR
MOUNTAIN CASCADE, INC

SHELLMOUND STREET

POWELL STREET PLAZA

City of Emeryville

SHELLMOUND III

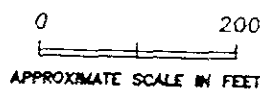
TEMESCAL CREEK

In ditch To Remove MW-5

In ditch To Remove MW-4

EXPLANATION

- MW-1 Groundwater Monitoring Well
- Property Boundary
- Existing EBMUD Interceptor



Site Plan
Powell Street Plaza and
Shellmound III Properties
Emeryville, California

PLATE
1



PES Environmental, Inc.
Engineering & Environmental Services

241.0102.000

020050KT

JPS

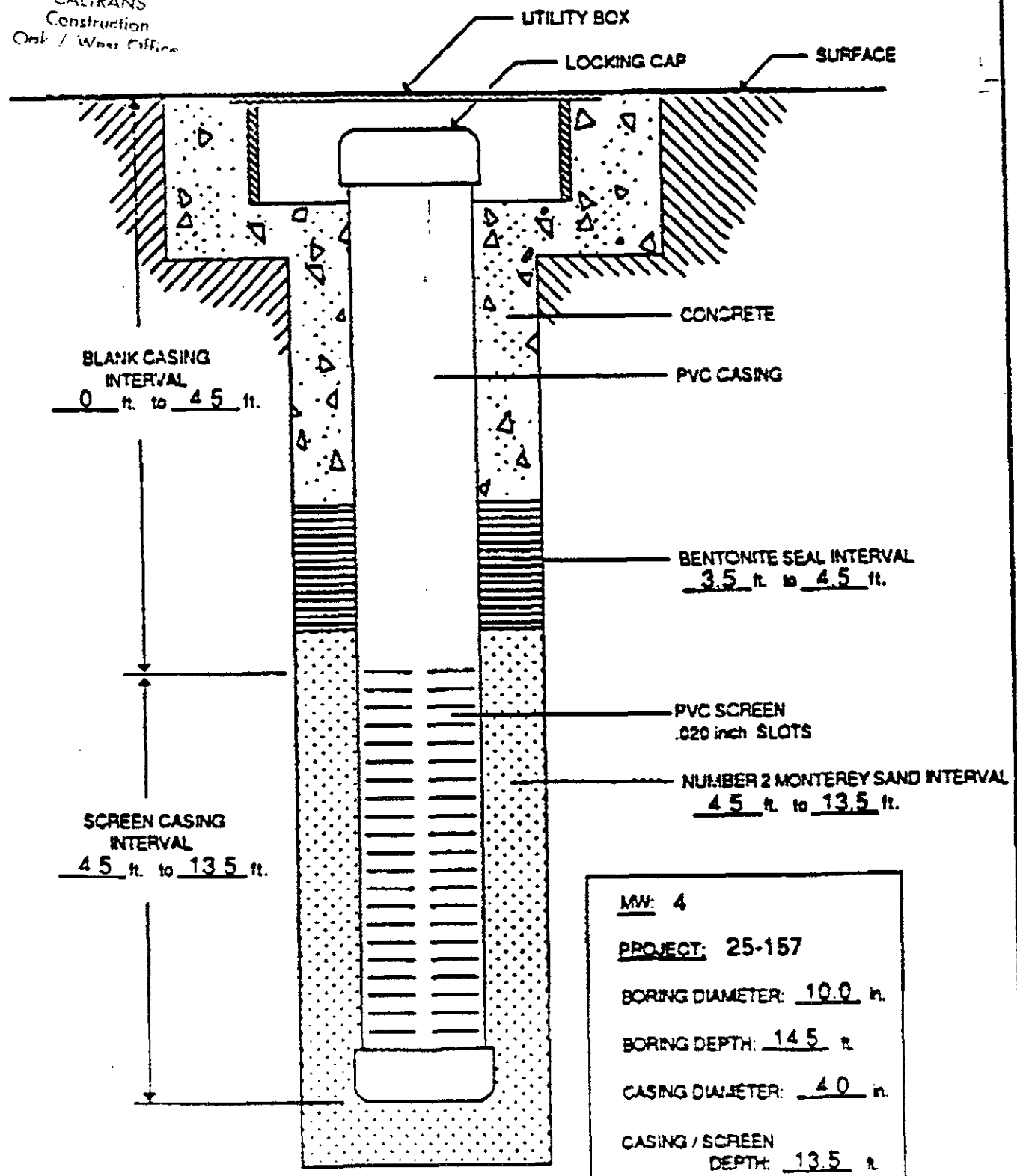
JOB NUMBER

DWG NUMBER

MONITORING WELL CONSTRUCTION DETAIL

FEB 06 1995

CALTRANS
Construction
Only / West Office



BLANK CASING
INTERVAL
0 ft. to 4.5 ft.

SCREEN CASING
INTERVAL
4.5 ft. to 13.5 ft.

CONCRETE

PVC CASING

BENTONITE SEAL INTERVAL
3.5 ft. to 4.5 ft.

PVC SCREEN
.020 inch SLOTS

NUMBER 2 MONTEREY SAND INTERVAL
4.5 ft. to 13.5 ft.

MW: 4
 PROJECT: 25-157
 BORING DIAMETER: 10.0 in.
 BORING DEPTH: 14.5 ft.
 CASING DIAMETER: 4.0 in.
 CASING / SCREEN DEPTH: 13.5 ft.

NOTE: DRAWING IS NOT TO SCALE

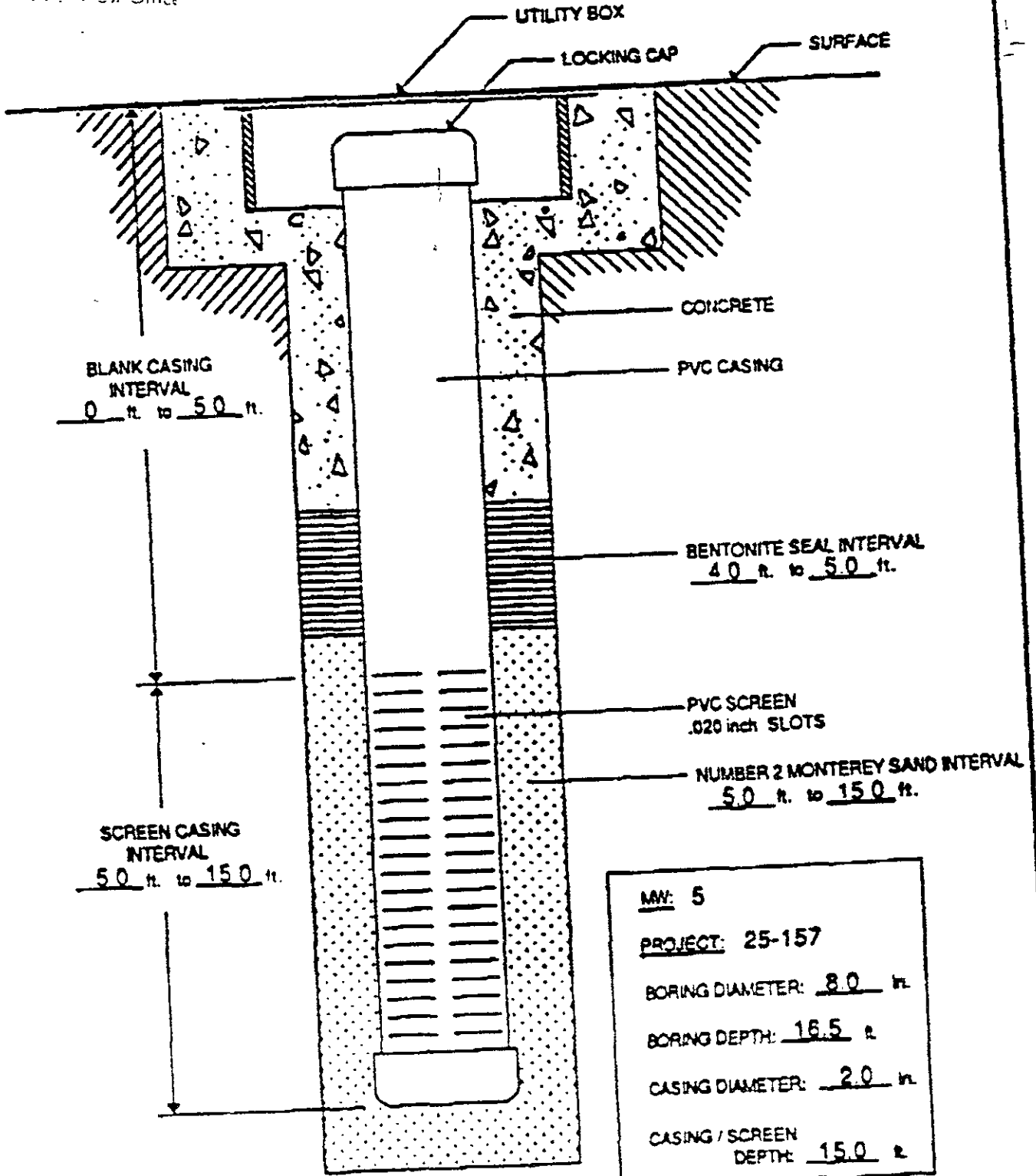


ALTON GEOSCIENCE
18510 ASTON ST.
IRVINE, CA 92714

FEB 06 1995

MONITORING WELL CONSTRUCTION DETAIL

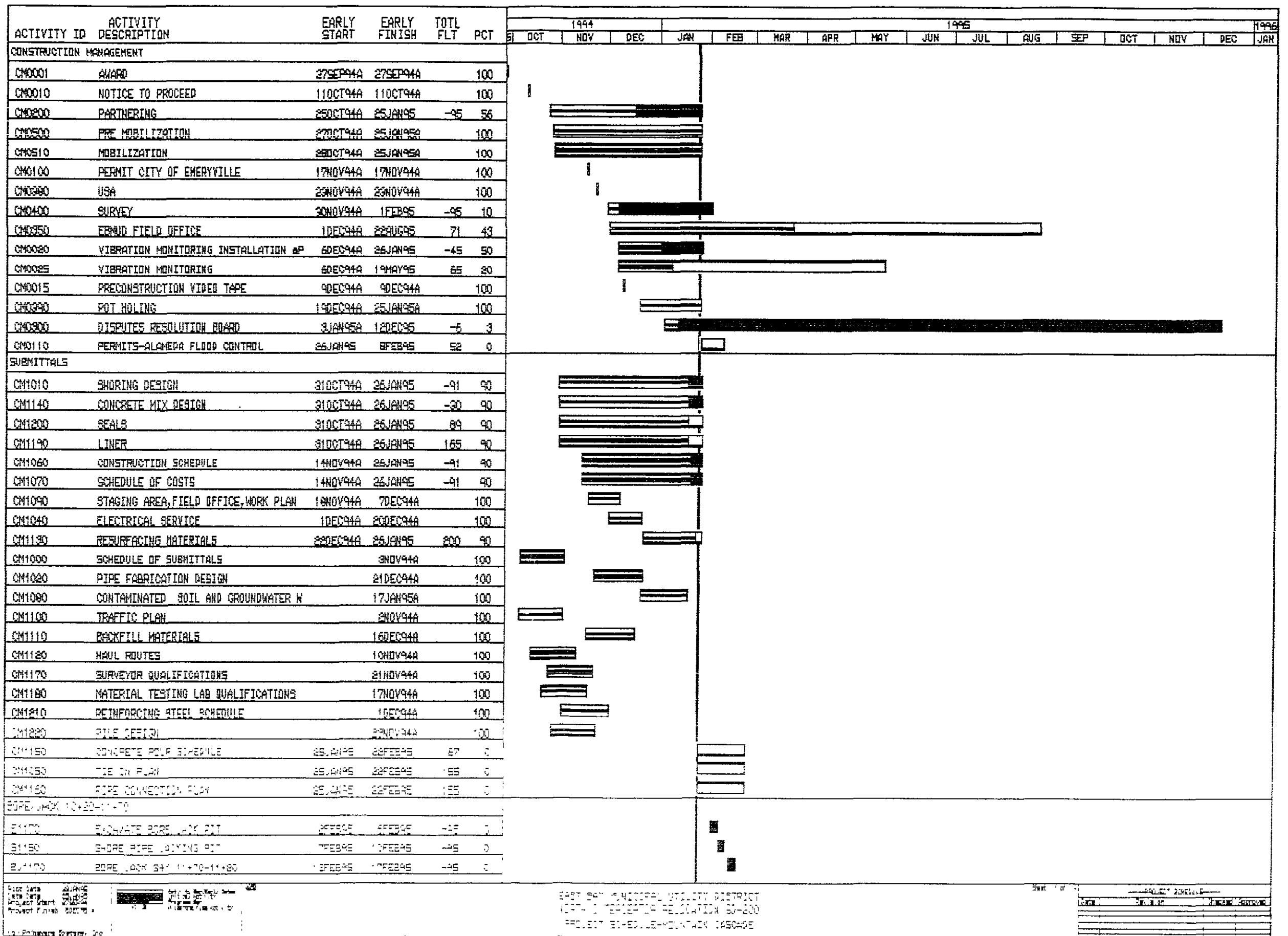
CAITRANC
Construction
Oak / West Office



MW: 5
 PROJECT: 25-157
 BORING DIAMETER: 8.0 in.
 BORING DEPTH: 16.5 ft.
 CASING DIAMETER: 2.0 in.
 CASING / SCREEN DEPTH: 15.0 ft.

NOTE: DRAWING IS NOT TO SCALE


ALTON GEOSCIENCE
 16510 ASTON ST.
 IRVINE, CA 92714

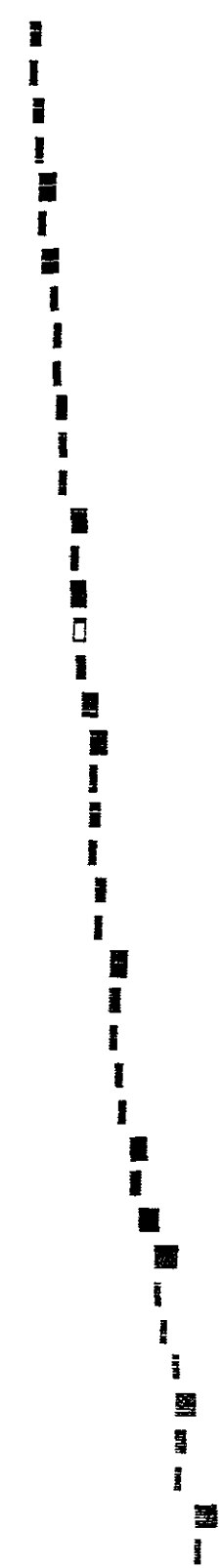


Date: 2/1/95
 Data Entry: [blank]
 Project Name: [blank]
 Project Number: 200000

EAST BAY MUNICIPAL UTILITY DISTRICT
 NORTH O'ROPERATOR RELOCATION 50-200
 PROJECT SCHEDULE-MOUNTAIN CASCADE

PROJECT ZONE	
DATE	STATUS

ACTIVITY ID	ACTIVITY DESCRIPTION	EARLY START	EARLY FINISH	TOTL FLT	PCT	1994			1995											
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
84" RCP GRAVITY PIPELINE																				
T1260	TRENCHING 18+50-19+75	17APR95	19APR95	-95	0															
P1250	84" PIPE 17+25-19+50	17APR95	19APR95	-51	0															
S1330	SHORE TRENCH 27+00-28+25	18APR95	20APR95	-64	0															
B1250	BACKFILL 17+25-19+50	19APR95	20APR95	-51	0															
T1270	TRENCHING 19+75-21+00	20APR95	24APR95	-95	0															
P1260	84" PIPE 18+50-19+75	20APR95	21APR95	-52	0															
S1340	SHORE TRENCH 20+25-24+50	21APR95	25APR95	-63	0															
B1260	BACKFILL 18+50-19+75	24APR95	25APR95	-52	0															
T1280	TRENCHING 21+00-22+00	25APR95	26APR95	-95	0															
P1270	84" PIPE 19+75-21+00	25APR95	26APR95	-53	0															
S1350	SHORE TRENCH 24+50-30+25	26APR95	28APR95	-63	0															
B1270	BACKFILL 19+75-21+00	27APR95	28APR95	-53	0															
P1280	84" PIPE 21+00-22+00	27APR95	28APR95	-49	0															
PC3050	CONC. CRADLE 22+00-23+56	1MAY95	5MAY95	-95	0															
S1360	SHORE TRENCH 30+25-31+25	1MAY95	2MAY95	-63	0															
RS1200	REPLACE SURCHARGE	1MAY95	5MAY95	-53	0															
G4000	GRADING	2MAY95	5MAY95	121	0															
S1270	SHORE TRENCH 31+25-32+50	3MAY95	5MAY95	-60	0															
T1320	TRENCHING 25+75-27+00	5MAY95	9MAY95	-87	0															
PC3055	CONC. CRADLE 23+52-24+52	5MAY95	12MAY95	-95	0															
P1290	84" PIPE 22+00-23+25	8MAY95	9MAY95	-54	0															
S1380	SHORE TRENCH 32+50-34+00	8MAY95	10MAY95	-54	0															
B1290	BACKFILL 21+00-22+00	8MAY95	9MAY95	-53	0															
T1330	TRENCHING 27+00-28+25	10MAY95	12MAY95	-80	0															
B1290	BACKFILL 22+00-23+25	10MAY95	11MAY95	-53	0															
PC3060	CONC. CRADLE 24+58-25+48	15MAY95	19MAY95	-95	0															
T1340	TRENCHING 28+25-29+50	15MAY95	17MAY95	-78	0															
P1300	84" PIPE 23+25-24+50	15MAY95	16MAY95	-57	0															
B1300	BACKFILL 23+25-24+50	17MAY95	18MAY95	-56	0															
T1350	TRENCHING 29+50-30+25	18MAY95	19MAY95	-78	0															
PC3065	CONC. CRADLE 25+54-26+26	22MAY95	22MAY95	-95	0															
T1360	TRENCHING 30+25-31+25	22MAY95	24MAY95	-78	0															
T1370	TRENCHING 31+25-32+50	25MAY95	30MAY95	-76	0															
PC3070	CONC. CRADLE 26+32-26+48	30MAY95	5JUN95	-95	0															
P1310	84" PIPE 24+50-25+25	30MAY95	31MAY95	-65	0															
B1310	BACKFILL 24+50-25+25	1JUN95	2JUN95	-64	0															
B1320	BACKFILL 25+75-27+00	5JUN95	5JUN95	-64	0															
PC3075	CONC. CRADLE 27+14-28+24	5JUN95	12JUN95	-95	0															
T1380	TRENCHING 32+50-34+00	5JUN95	5JUN95	-74	0															
P1320	84" PIPE 25+75-27+00	5JUN95	7JUN95	-68	0															
PC3080	CONC. CRADLE 28+30-29+44	12JUN95	12JUN95	-95	0															
P1330	84" PIPE 27+00-28+25	13JUN95	14JUN95	-71	0															

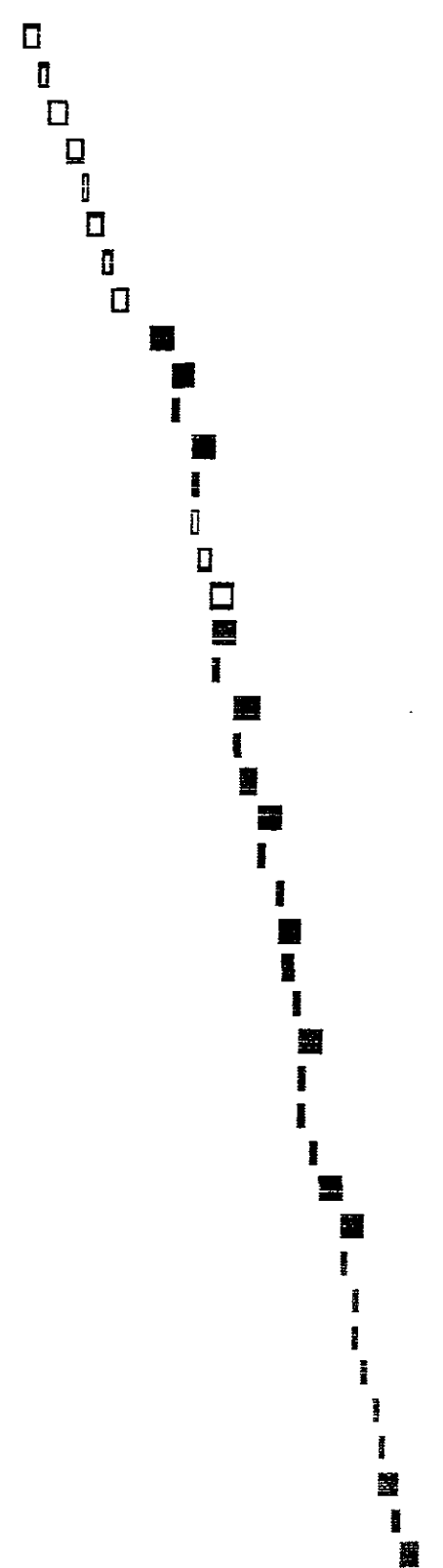


Date: 06/14/95
 Project: 84" RCP GRAVITY PIPELINE
 Project Files: 00595

EAST BAY MUNICIPAL UTILITY DISTRICT
 NORTH OPERATOR BUILDING 21-200
 PROJECT SCHEDULE-POUNTAZ 083042

SHEET 1 OF 1
 PROJECT SCHEDULE

ACTIVITY ID	ACTIVITY DESCRIPTION	EARLY START	EARLY FINISH	TOTL FLT	PCT	1994			1995												1996
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN
72" RCP GRAVITY PIPELINE																					
T2420	TRENCHING 37+50-38+50	22JUN95	26JUN95	10	0																
T2430	TRENCHING 38+50-39+50	27JUN95	29JUN95	10	0																
T2440	TRENCHING 39+50-40+50	30JUN95	5JUL95	10	0																
T2450	TRENCHING 40+50-41+50	6JUL95	10JUL95	12	0																
T2460	TRENCHING 41+50-42+25	11JUL95	12JUL95	20	0																
T2470	TRENCHING 42+25-43+25	13JUL95	17JUL95	25	0																
T2480	TRENCHING 43+25-44+15	18JUL95	20JUL95	26	0																
T2490	TRENCHING 44+15-45+15	21JUL95	25JUL95	26	0																
PC8115	CONC. CRADLE 34+75-35+75	28AUG95	8AUG95	-24	0																
PC8120	CONC. CRADLE 35+82-36+89	9AUG95	15AUG95	-24	0																
P2390	72" PIPE 34+75-35+50	9AUG95	10AUG95	-2	0																
PC8125	CONC. CRADLE 35+95-36+33	16AUG95	22AUG95	-24	0																
P2400	72" PIPE 35+50-36+50	16AUG95	17AUG95	-5	0																
B2420	BACKFILL 37+50-38+50	16AUG95	17AUG95	6	0																
RR6000	REMOVE GROUND WATER EXTRACTION TRENCH	16AUG95	21AUG95	51	0																
G4080	BASE	28AUG95	28AUG95	51	0																
PC8130	CONC. CRADLE 38+39-40+01	23AUG95	29AUG95	-24	0																
P2410	72" PIPE 36+50-37+50	23AUG95	24AUG95	-8	0																
PC8135	CONC. CRADLE 40+07-40+55	30AUG95	5SEP95	-24	0																
P2420	72" PIPE 37+50-38+50	30AUG95	31AUG95	-11	0																
P2430	72" PIPE 38+50-39+50	1SEP95	5SEP95	-11	0																
PC8140	CONC. CRADLE 40+51-41+09	7SEP95	13SEP95	-24	0																
P2440	72" PIPE 39+50-40+50	7SEP95	8SEP95	-7	0																
B2430	BACKFILL 38+50-39+50	13SEP95	14SEP95	-11	0																
PC8145	CONC. CRADLE 41+15-41+63	14SEP95	20SEP95	-24	0																
B2440	BACKFILL 39+50-40+50	15SEP95	18SEP95	-11	0																
B2450	BACKFILL 40+50-41+50	19SEP95	20SEP95	-11	0																
PC8150	CONC. CRADLE 41+59-42+17	21SEP95	27SEP95	-24	0																
P2450	72" PIPE 40+50-41+50	21SEP95	22SEP95	-15	0																
B2460	BACKFILL 41+50-42+25	21SEP95	22SEP95	-11	0																
B2470	BACKFILL 42+25-43+25	25SEP95	26SEP95	-11	0																
PC8155	CONC. CRADLE 42+23-43+25	28SEP95	4OCT95	-24	0																
PC8160	CONC. CRADLE 43+31-44+93	5OCT95	11OCT95	-24	0																
P2460	72" PIPE 41+51-42+25	5OCT95	6OCT95	-23	0																
P2470	72" PIPE 42+25-43+25	3OCT95	10OCT95	-23	0																
B2480	BACKFILL 43+25-44+15	4OCT95	10OCT95	-19	0																
P2480	72" PIPE 43+25-44+15	12OCT95	13OCT95	-24	0																
P2490	72" PIPE 44+15-45+15	13OCT95	13OCT95	-24	0																
P2490	BACKFILL 44+15-45+15	13OCT95	13OCT95	-24	0																
S3600	PHASE 2 PREP. MOUNTAIN STRUCTURE	13OCT95	24OCT95	-24	0																
PT6010	PRESSURE TEST-72"	23OCT95	25OCT95	-24	0																
PV08050	PVC WELD 72" PIPE	26OCT95	31OCT95	-24	0																



Plot Date: 20-11-95
 Date: 11/20/95
 Project Name: PROJECT 30-100
 Project Path: 30-100

EAST BAY MUNICIPAL UTILITY DISTRICT
 WEST INTERCEPTOR RELOCATION 30-100
 PROJECT 30-100-MOUNTAIN 1450-02

PROJECT 30-100
 Date: 11/20/95
 Scale: 1:1000
 Author: [Name]

ACTIVITY ID	ACTIVITY DESCRIPTION	EARLY START	EARLY FINISH	TOTL FLT	PCT	1994			1995												1996
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN
MANHOLES																					
M2000	MANHOLE #1	3MAR95	8MAR95	100	0																
M2010	MANHOLE #2	26APR95	2MAY95	66	0																
M2020	MANHOLE #3	7JUN95	13JUN95	42	0																
M2040	MANHOLE #5	11JUL95	17JUL95	24	0																
PVC8010	PVC LINE MANHOLES	28AUG95	28AUG95	24	0																
M2030	MANHOLE #4	4SEP95	12SEP95	-11	0																
PILE DRIVING																					
PD1000	INDICATOR PILE FABRICATION	5DEC94A	13DEC94A		100																
PD2000	SURVEY INDICATOR PILES	7DEC94A	16DEC94A		100																
PD2100	DRIVE INDICATOR PILES	27DEC94A	30DEC94A		100																
PD2200	INDICATOR PILES RETAP	4JAN95A	6JAN95A		100																
PD2300	ENGINEER ANALYZE PILE INFO FROM INDI	11JAN95A	16JAN95A		100																
PD8000	FABRICATE PILES	18JAN95A	10FEB95	-45	20																
PD8050	PILE 22+00-23+56	24JAN95A	14FEB95	-45	30																
PD8055	PILE 23+62-24+52	15FEB95	16FEB95	-45	0																
PD8060	PILE 24+58-25+48	17FEB95	21FEB95	-45	0																
PD8065	PILE 25+54-26+26	22FEB95	23FEB95	-45	0																
PD8070	PILE 26+32-26+98	23FEB95	23FEB95	-37	0																
PD8075	PILE 27+04-28+24	28FEB95	1MAR95	-31	0																
PD8080	PILE 28+30-29+44	2MAR95	3MAR95	-29	0																
PD8085	PILE 29+50-30+79	3MAR95	3MAR95	-29	0																
PD8090	PILE 30+80-31+35	9MAR95	9MAR95	-27	0																
PD8095	PILE 31+40-32+35	10MAR95	13MAR95	-25	0																
PD8100	PILE 32+40-32+85	14MAR95	14MAR95	-25	0																
PD8105	PILE 32+90-33+40	15MAR95	15MAR95	-18	0																
PD8110	PILE 33+45-33+95	16MAR95	16MAR95	-18	0																
PD8115	PILE 34+76-35+76	17MAR95	20MAR95	65	0																
PD8120	PILE 35+62-36+89	21MAR95	23MAR95	65	0																
PD8125	PILE 36+95-38+33	23MAR95	24MAR95	68	0																
PD8130	PILE 38+39-40+01	29MAR95	31MAR95	70	0																
PD8135	PILE 40+07-40+55	3APR95	3APR95	72	0																
PD8140	PILE 40+61-41+09	4APR95	4APR95	75	0																
PD8145	PILE 41+15-41+63	5APR95	5APR95	75	0																
PD8150	PILE 41+69-42+17	6APR95	6APR95	82	0																
PD8155	PILE 42+29-43+25	7APR95	7APR95	83	0																
PD8200	PILE-TEHESCAL CREEK	27APR95	27APR95	6	0																
PD8300	PILE-UPPER JUNCTION STRUCTURE	3MAY95	4MAY95	107	0																
PD8750	PILE 43+31-44+43	17MAY95	18MAY95	65	0																
CONTAMINATED MATERIALS																					
25200	DISPOSAL OF CONTAM SOIL ITEM # 10-80	20JAN95	19MAY95	75	75																
25100	DISPOSAL OF CONTAM SOIL ITEM # 10-80	21JAN95	24MAY95	77	0																
25000	DISPOSAL OF CONTAM SOIL ITEM # 10-80	7FEB95	27MAY95	67	0																

SHET BAY MUNICIPAL UTILITY DISTRICT
 NORTH INTERCEPTOR RELOCATION 80-800
 PROJECT SCHEDULE-MOUNTAIN CAS-02

DATE	STATUS	APPROVED BY

Plot Date: 2/1/96
 Date Plotted: 2/1/96
 Project Name: 80-800
 Project Finish: 02/95

