

**APPENDIX D**  
**Soil and Compaction Testing Reports**

H:\CADD\Current\ENV\NFRA\Muscoy\Compaction Test Location Plans\Sheet\_1.dwg User: rprasad Plotted: Nov 11, 2005 - 9:31am Last Save: Nov 11, 2005 - 9:31am

**LEGEND**

- PORTLAND CEMENT CONCRETE PAVEMENT
- AC PAVEMENT
- SUBGRADE
- KAISER SLAG AREAS
- 1240 PROPOSED SURFACE CONTOUR LINE IN MSL (1FT INTERVAL)
- 1240 EXISTING CONTOUR LINE IN MSL (1FT INTERVAL)

**ASPHALT CONCRETE PAVEMENT** (1) C-2

**KAISER SLAG AREAS** (2) C-2

**DRIVEWAY SECTION** (3) C-2

**DRIVEWAY ENCROACHMENT** (4) C-2

**NOTE:**  
1. MATERIALS IN ACCORDANCE WITH THE LATEST "CALTRANS STANDARD SPECIFICATIONS"

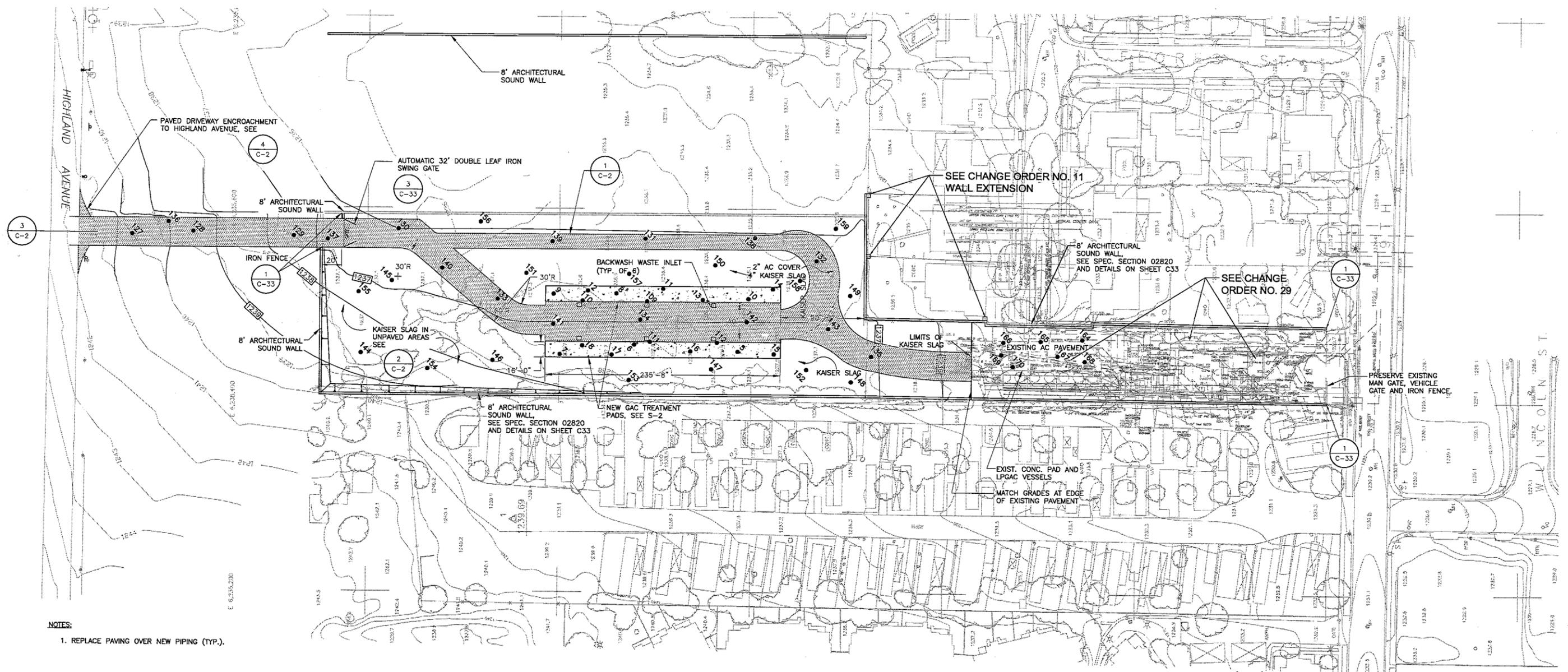
**DRIVEWAY SECTION** (3) C-2

NOTE: MINIMUM WIDTH OF CLEAR PASSAGE SHALL BE 4 FEET [1.22 METERS]. WHERE RIGHT OF WAY RESTRICTIONS, NATURAL BARRIERS OR OTHER EXISTING CONDITIONS CREATE AN UNREASONABLE HARDSHIP, THE CLEAR WIDTH MAY BE REDUCED TO 3 FEET [915mm].

**DRIVEWAY ENCROACHMENT** (4) C-2

EDGE OF SHOULDER

ACCESS OPENING



**NOTES:**  
1. REPLACE PAVING OVER NEW PIPING (TYP.).

**LEGEND**  
● APPROXIMATE LOCATION OF DENSITY TEST.

SCALE: 1" = 50'-0"

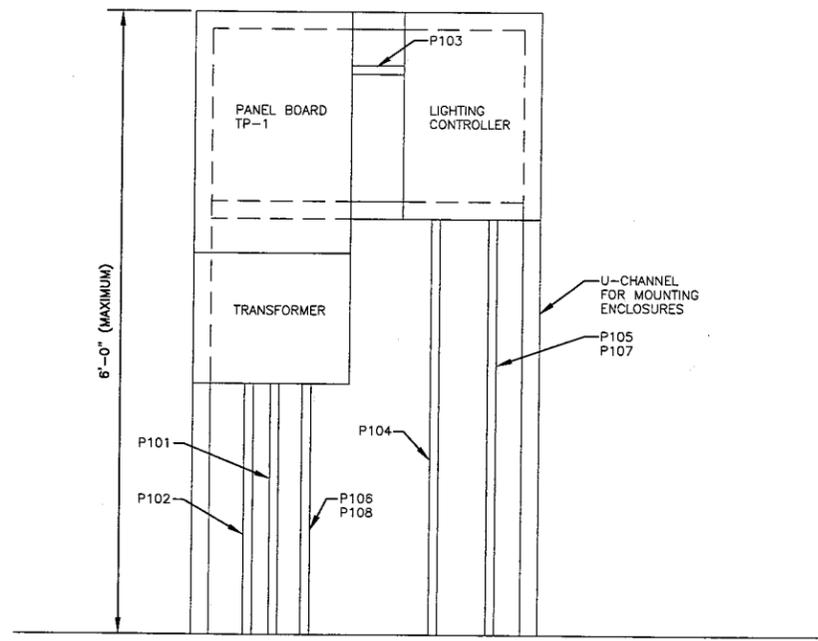
NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION
REVISIONS					

DESIGNED BY: PAS  
DRAWN BY: LOB  
CHECKED BY: DHD

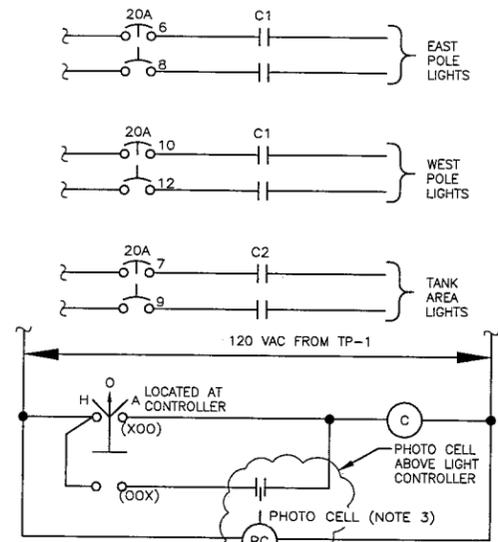


**MUSCOY OU REMEDIAL DESIGN**  
**19th STREET TREATMENT PLANT & ENCANTO PARK PUMPING PLANT**  
**NEWMARK GROUNDWATER CONTAMINATION SUPERFUND SITE**

<b>19TH STREET PLANT</b>		<b>COMPACTION TEST LOCATIONS</b>	
SCALE: 1" = 40'-0"	DATE: 11/10/05	DWG. FILE: 1.DWG	SHEET NO. 1 OF 5



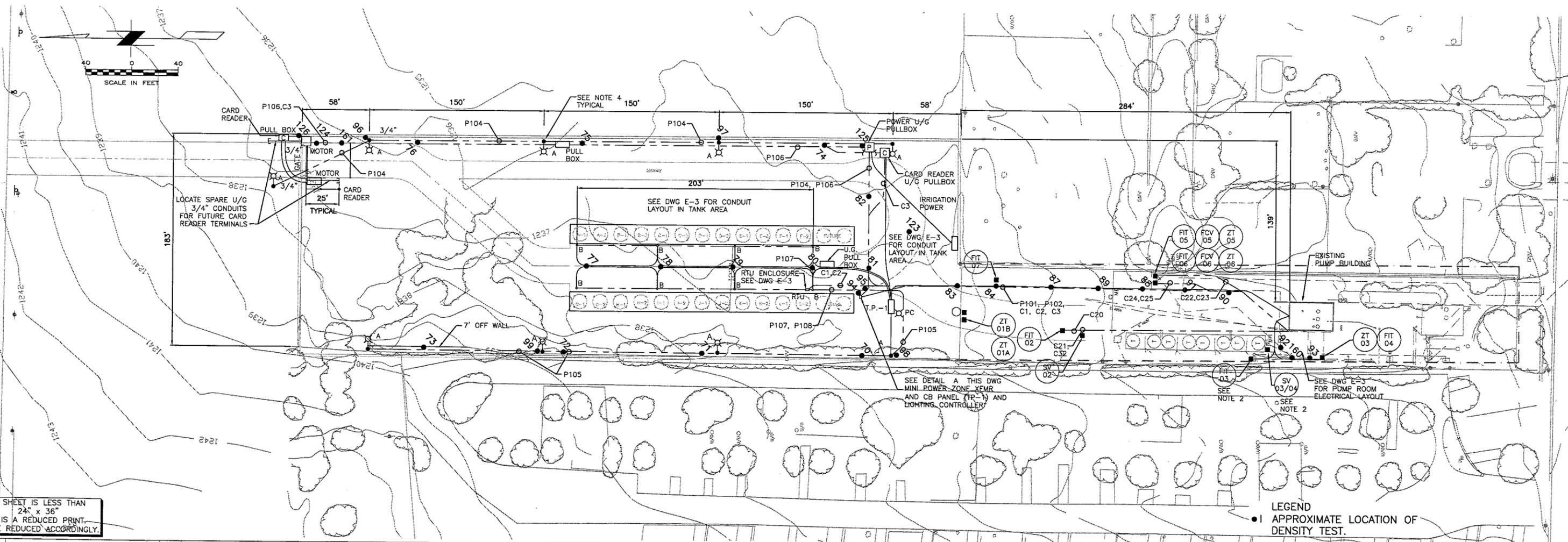
**CIRCUIT BREAKER PANEL TP-1 & LIGHTING CONTROLLER LAYOUT**  
N.T.S.



TYPICAL FOR CONTACTORS C1 AND C2  
**LIGHTING CONTROLS**  
N.T.S.

LUMINAIRE SCHEDULE	
FIXTURE	DESCRIPTION
A	POLE FIXTURE, CORROSION RESISTANT, DIE CAST LOW COPPER ALUMINUM ALLOY HOUSING, OVATE REFRACTOR, DROP LENS GLASS, COLOR GRAY, 240V BALLAST FOR 400 WATT HIGH PRESSURE SODIUM, 25-FT POLE WITH ROUND TAPERED ALUMINUM WITH 8-FT MOUNTING ARM. POLE COLOR BRUSHED ALUMINUM, ARM COLOR SATIN ALUMINUM.
B	POST MOUNTED LUMINAIRE SUITABLE FOR WET LOCATIONS, PAINT GREY WITH LEXAN REFRACTOR. 240 VOLT BALLAST FOR 150 WATT HPS LAMP GE P17M WITH 18 FT MOUNTING POLE OR EQUAL.

- NOTES:**
- REFER TO CIVIL LAYOUT DRAWING FOR EXISTING UNDERGROUND CONDUITS AND PIPES.
  - FIELD CONFIRM LOCATION OF EXISTING DEVICES.
  - PHOTO CELLS ARE LOCATED AT LIGHT CONTROLLER AS SHOWN ON THE DRAWING. CONTRACTOR SHALL MOUNT UNIT AND ADJUST FOR LIGHTING CONDITIONS.
  - SEE SHEET No. E14 FOR POLE FOUNDATION DETAIL.



IF SHEET IS LESS THAN 24" x 36" IT IS A REDUCED PRINT. SCALE REDUCED ACCORDINGLY.

**LEGEND**  
● APPROXIMATE LOCATION OF DENSITY TEST.

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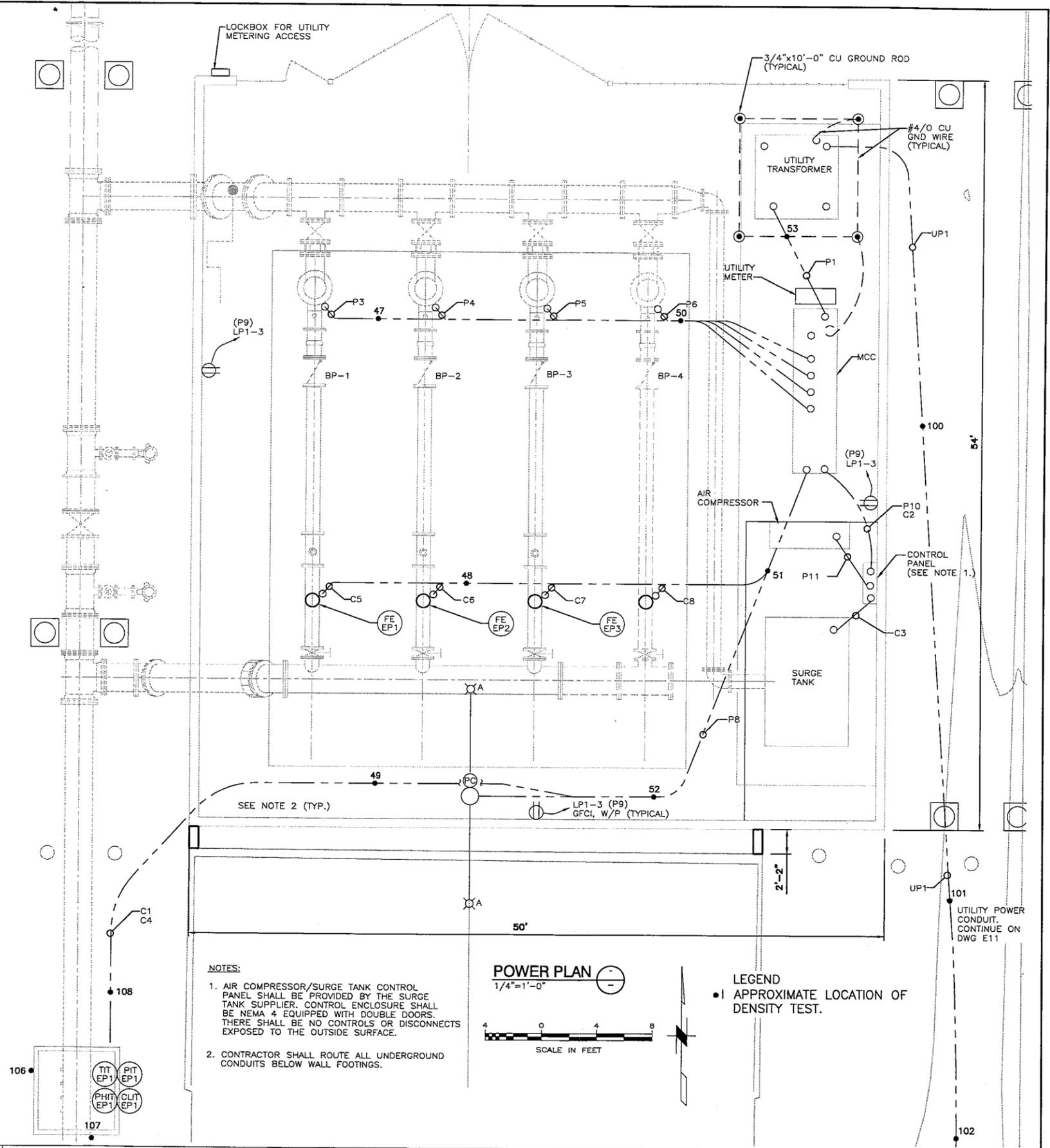
NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION
REVISIONS					

DESIGNED BY: MDW  
DRAWN BY: BJR  
CHECKED BY: CJ

**MUSCOY OU REMEDIAL DESIGN**  
19th STREET PLANT & ENCANTO PARK PUMPING PLANT  
NEWMARK GROUNDWATER CONTAMINATION SUPERFUND SITE

SCALE: AS NOTED	DATE: 11/10/05	DWG. FILE: 2.DWG	SHEET NO: 2 OF 5
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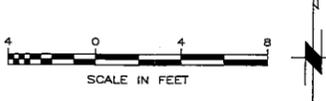
H:\CADD\Current\ENV-INFRA\Muscoy\Compaq\Location Plans\Sheet\_3.dwg User: rprosd Plotted: Nov 11, 2005 - 9:34am



**NOTES:**

1. AIR COMPRESSOR/SURGE TANK CONTROL PANEL SHALL BE PROVIDED BY THE SURGE TANK SUPPLIER. CONTROL ENCLOSURE SHALL BE NEMA 4 EQUIPPED WITH DOUBLE DOORS. THERE SHALL BE NO CONTROLS OR DISCONNECTS EXPOSED TO THE OUTSIDE SURFACE.
2. CONTRACTOR SHALL ROUTE ALL UNDERGROUND CONDUITS BELOW WALL FOOTINGS.

**POWER PLAN**  
1/4"=1'-0"



**LEGEND**  
● APPROXIMATE LOCATION OF DENSITY TEST.

IF SHEET IS LESS THAN 24" x 36" IT IS A REDUCED PRINT. SCALE REDUCED ACCORDINGLY.

NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION
REVISIONS					

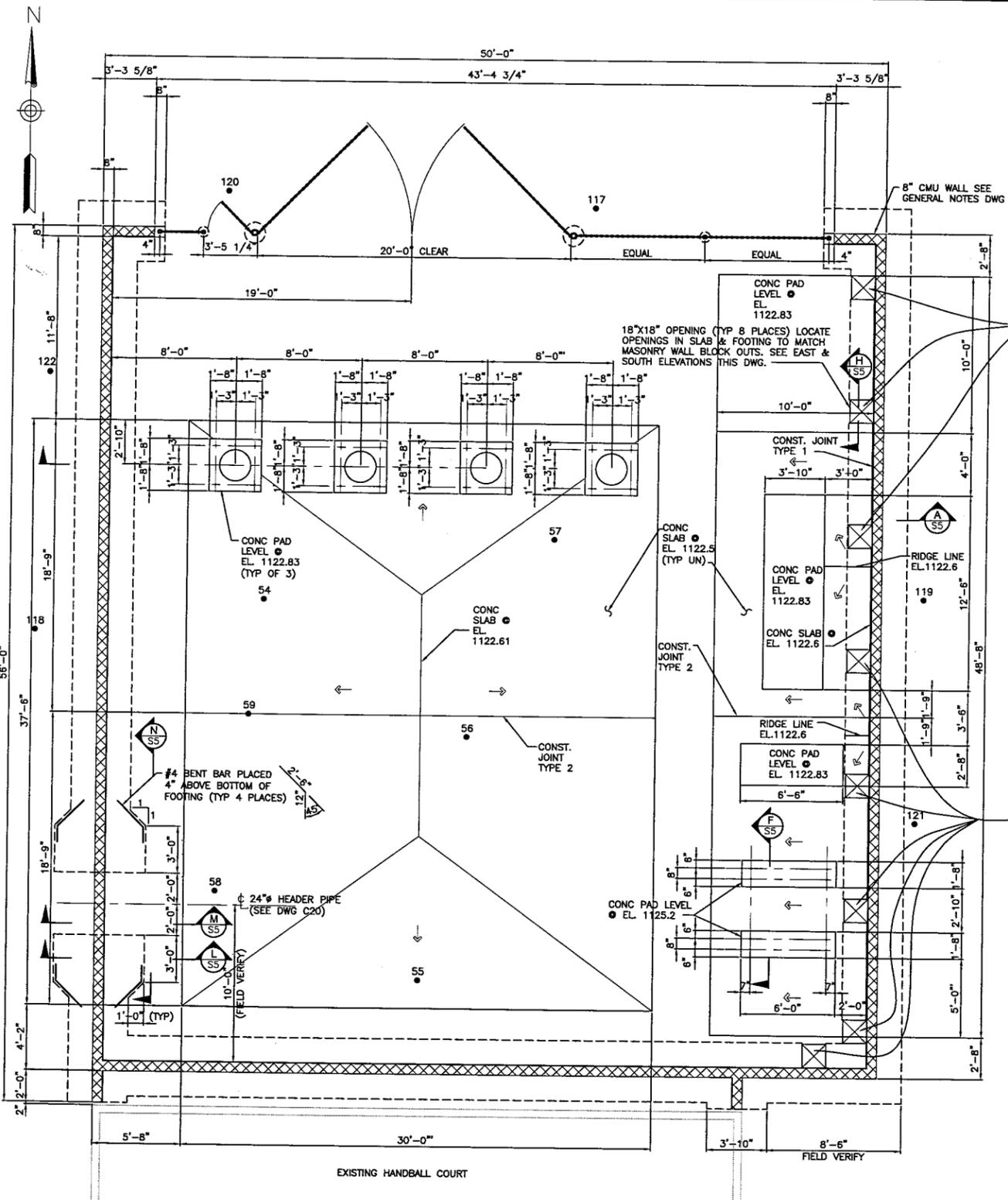
DESIGNED BY: PAS  
DRAWN BY: ETR  
CHECKED BY: CJ



**MUSCOY OU REMEDIAL DESIGN**  
19th STREET PLANT & ENCANTO PARK PUMPING PLANT  
NEWMARK GROUNDWATER CONTAMINATION SUPERFUND SITE

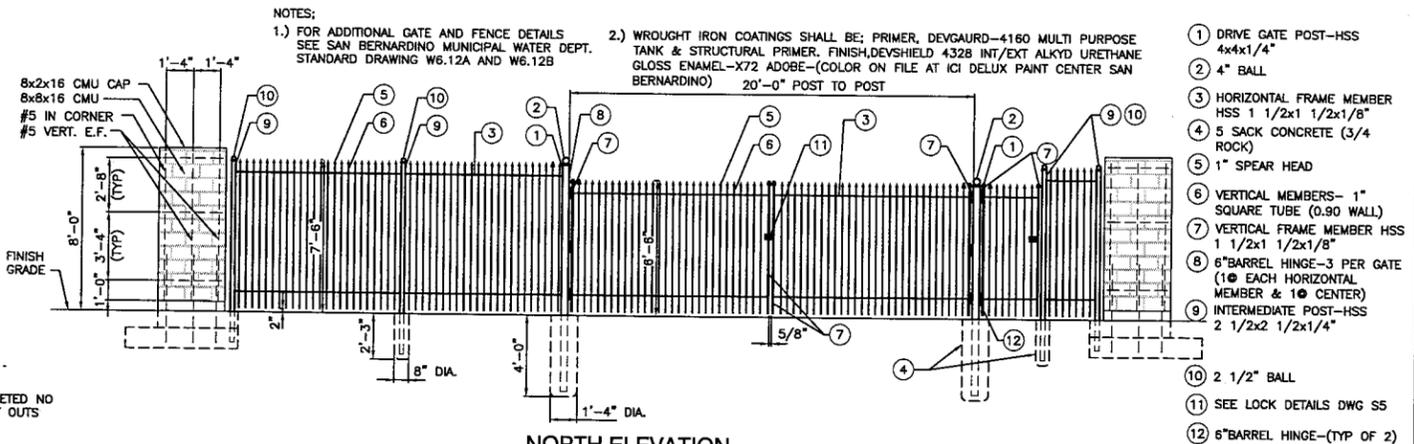
SCALE: AS NOTED	DATE: 11/10/05	DWG. FILE: 3.DWG	SHEET NO.:
			3 OF 5

H:\CADD\Current\ENV-INFRA\Muscovy\Compaction Test Location Plans\_Sheet\_4.dwg User: rprosd Plot: Nov 11, 2005 9:35am Last Save: Nov 11, 2005 9:35am

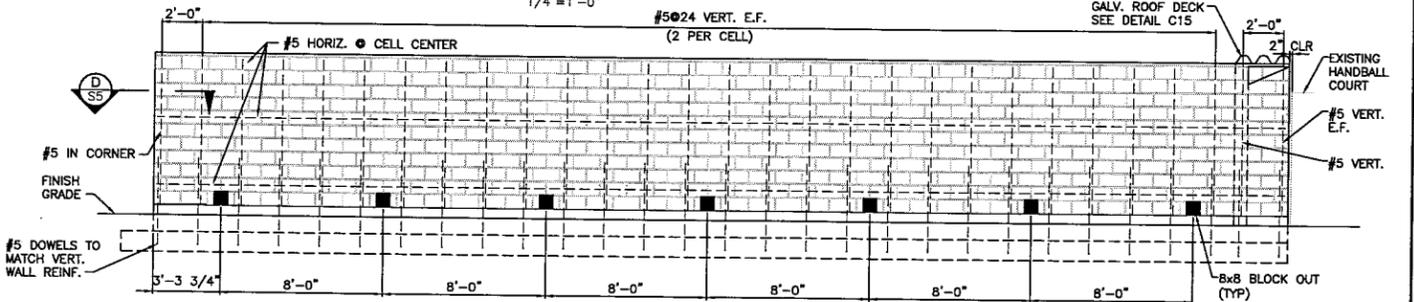


**PLAN**  
1/4"=1'-0"

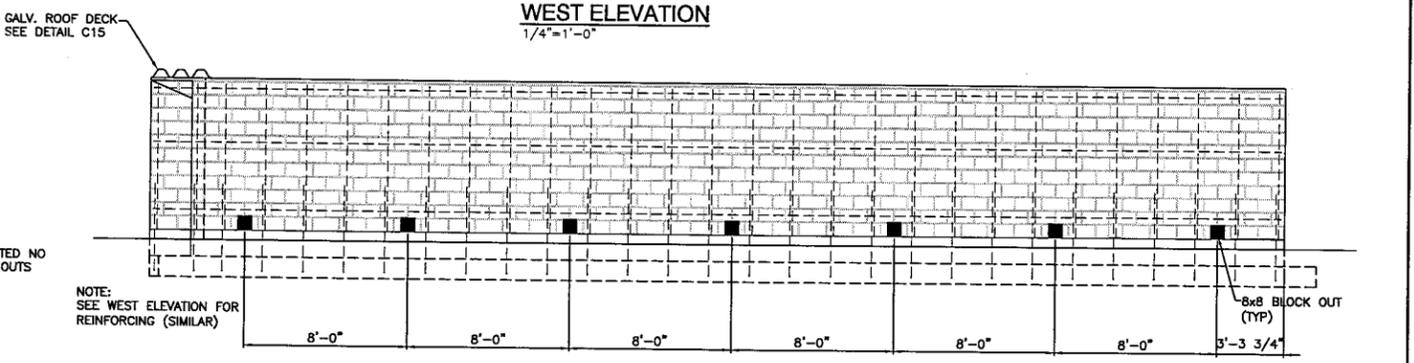
**LEGEND**  
● APPROXIMATE LOCATION OF DENSITY TEST.



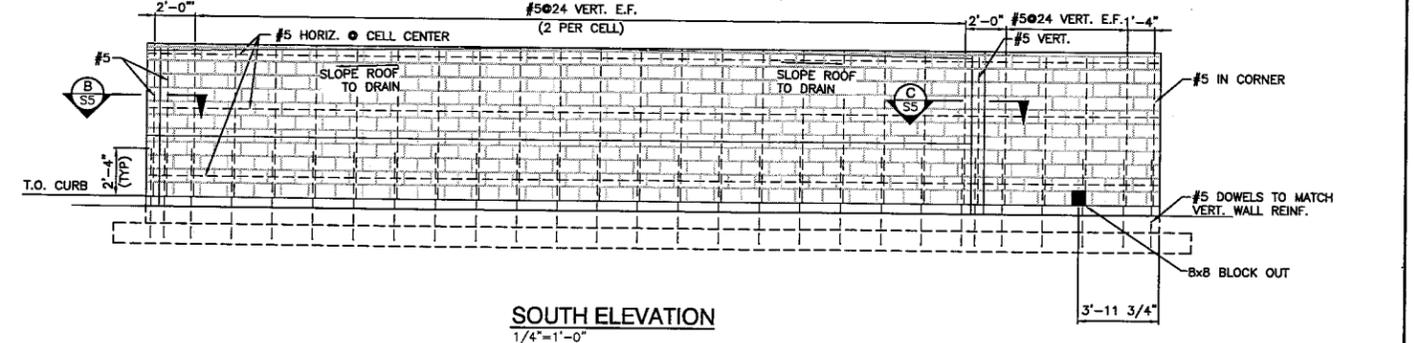
**NORTH ELEVATION**  
1/4"=1'-0"



**WEST ELEVATION**  
1/4"=1'-0"



**EAST ELEVATION**  
1/4"=1'-0"



**SOUTH ELEVATION**  
1/4"=1'-0"

- ① DRIVE GATE POST-HSS 4x4x1/4"
- ② 4" BALL
- ③ HORIZONTAL FRAME MEMBER HSS 1 1/2x1 1/2x1/8"
- ④ 5 SACK CONCRETE (3/4 ROCK)
- ⑤ 1" SPEAR HEAD
- ⑥ VERTICAL MEMBERS- 1" SQUARE TUBE (0.90 WALL)
- ⑦ VERTICAL FRAME MEMBER HSS 1 1/2x1 1/2x1/8"
- ⑧ 6" BARREL HINGE-3 PER GATE (1 @ EACH HORIZONTAL MEMBER & 1 @ CENTER)
- ⑨ INTERMEDIATE POST-HSS 2 1/2x2 1/2x1/4"
- ⑩ 2 1/2" BALL
- ⑪ SEE LOCK DETAILS DWG S5
- ⑫ 6" BARREL HINGE-(TYP OF 2)

NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION
REVISIONS					

DESIGNED BY: DHP  
DRAWN BY: M.L.  
CHECKED BY: DHD

**URS**  
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**PAUL A. SCHMIDT**  
No. 22747  
Exp. 03-31-04  
CIVIL  
STATE OF CALIFORNIA

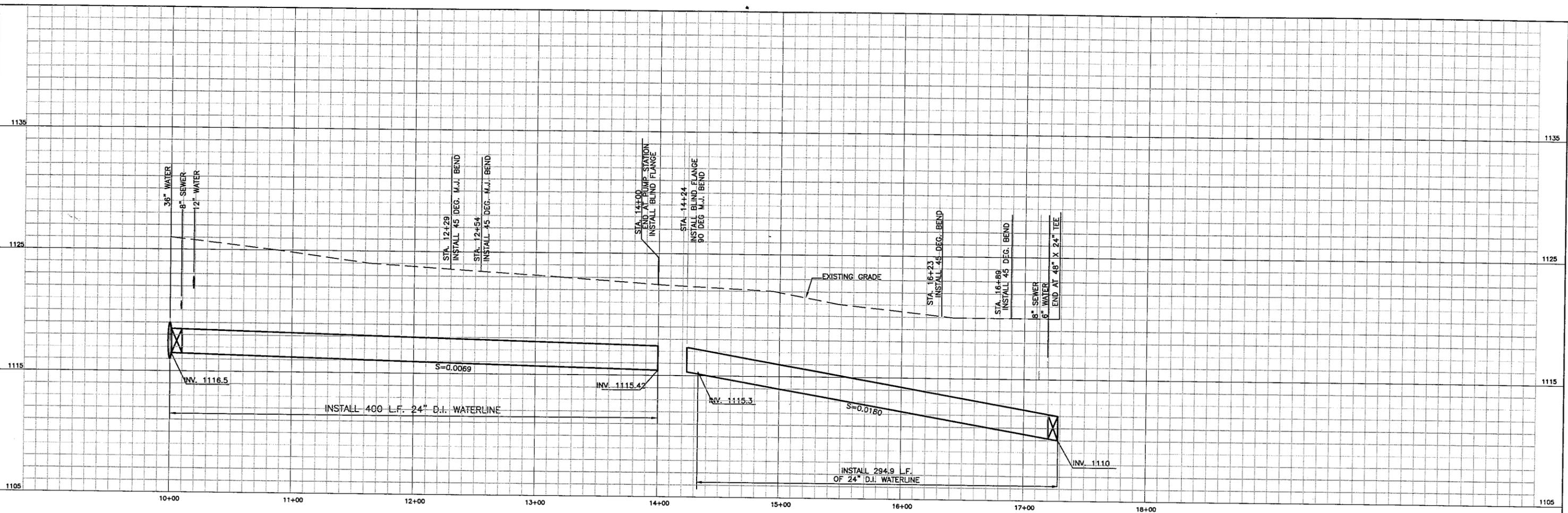
MUSCOY OU REMEDIAL DESIGN  
19th STREET PLANT & ENCANTO PARK PUMPING PLANT  
NEWMARK GROUNDWATER CONTAMINATION SUPERFUND SITE

ENCANTO PARK BOOSTER PUMP STATION  
COMPACTION TEST LOCATIONS

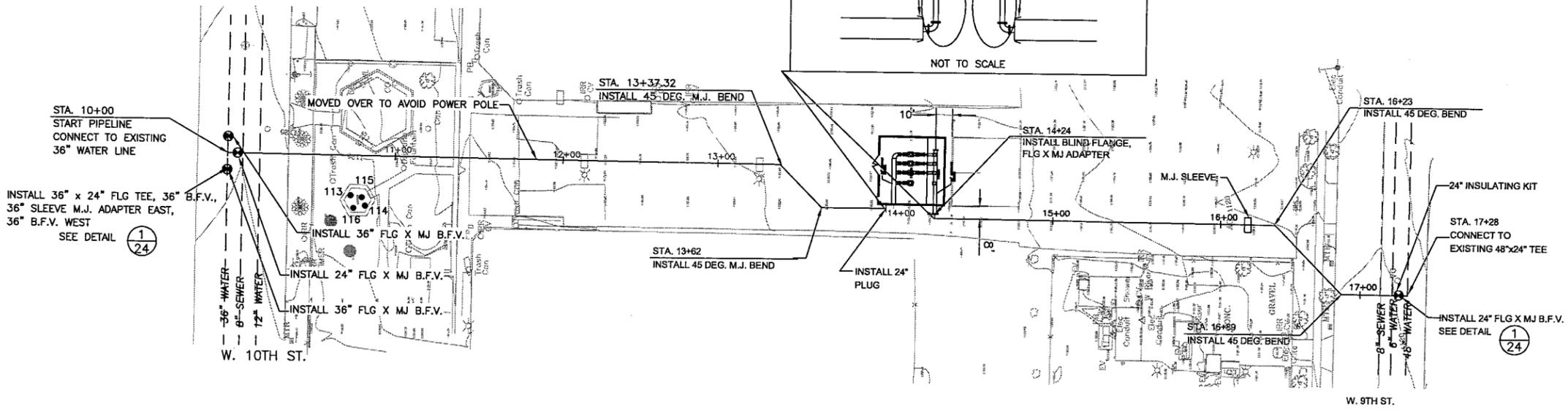
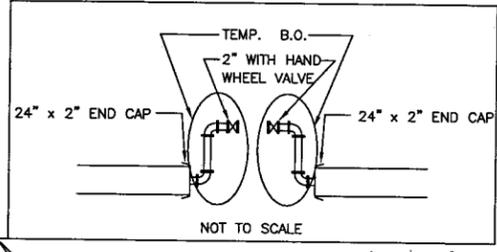
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SCALE: NOT TO SCALE	DATE: 11/10/05	DWG. FILE: 4.DWG	SHEET NO.: 4 OF 5
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PROFILE SCALE  
 HORIZ. 1" = 40'  
 VERT. 1" = 4'



LEGEND  
 ● APPROXIMATE LOCATION OF DENSITY TEST.

IF SHEET IS LESS THAN 22" x 34" IT IS A REDUCED PRINT. SCALE REDUCED ACCORDINGLY

NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION
1	6/03	RECORD DRAWINGS			

DESIGNED BY: JB  
 DRAWN BY: JC  
 CHECKED BY: DHD



JOB No. 41-F2501400

MUSCOY OU REMEDIAL DESIGN  
 MUSCOY GROUNDWATER  
 CONTAMINATION SUPERFUND SITE

ENCANTO PARK PUMP BOOSTER STATION  
 COMPACTION TEST LOCATIONS

Scale: Date: 11/10/05 Dwg. No.: 5 OF 5