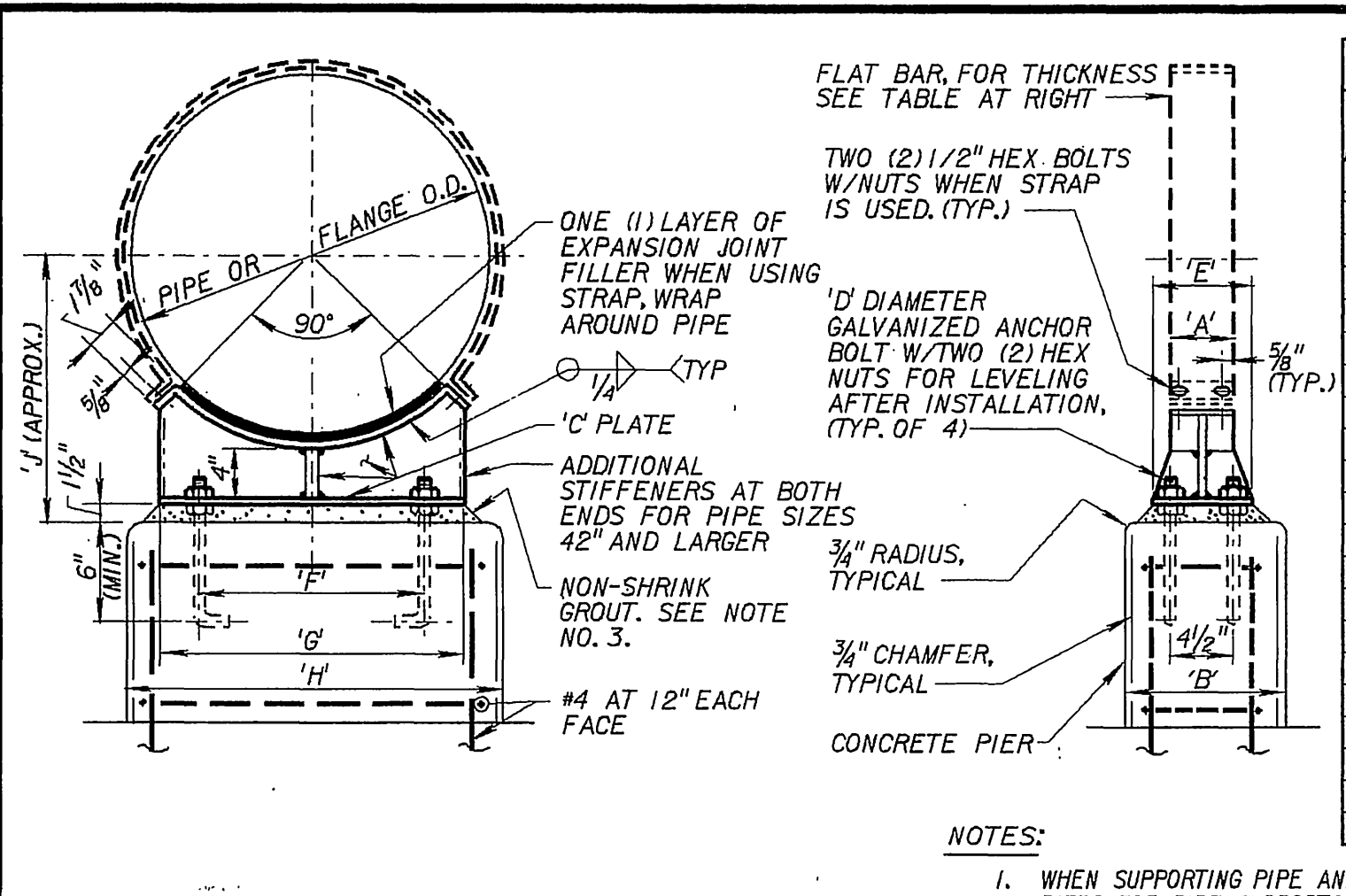


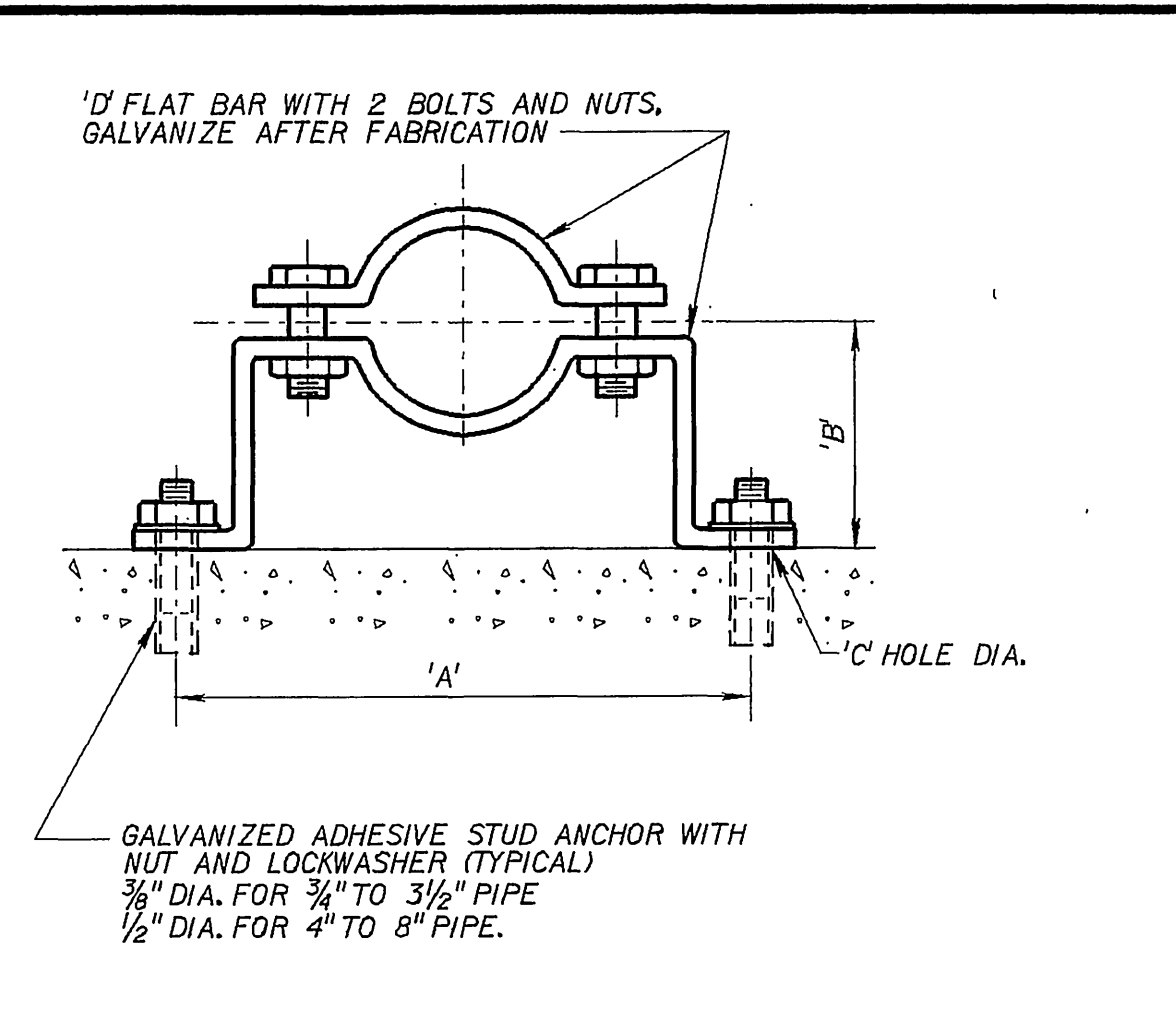
PIPE BRACKET
REV. 042992 **M-104**



PIPE SUPPORT WITH OR WITHOUT STRAP
REV. 091587 **M-129**

DIMENSIONS IN INCHES

NOMINAL PIPE SIZE	FLAT BAR													
	'A'	'B'	'C'	'D'	'E'	'F'	'G'	'H'	'I'	'J'				
6	4	12	3/8	5/8	6	1/4	4 1/2	8	14	10	6 1/2	11	16	13
8	4	12	3/8	5/8	6	1/4	5	9 1/2	14	11	7 1/2	13	18	14
10	4	12	3/8	5/8	6	1/4	6	11	16	12	9	15	20	15
12	4	12	3/8	5/8	6	1/4	7	13	18	13	10	17	22	16
14	4	12	3/8	5/8	6	1/4	8	13	18	14	11	18	23	17
16	4	12	3/8	5/8	6	1/4	9	15	21	15	12	20	26	18
18	4	12	3/8	5/8	6	1/4	10	16	22	16	13	21	26	19
20	5	12	3/8	5/8	6	3/8	10	18	24	17	15	23	28	21
22	5	12	3/8	5/8	6	3/8	12	19	24	18	16	25	30	22
24	5	12	3/8	5/8	6	3/8	13	21	26	19	16	26	32	23
26	5	12	3/8	5/8	6	3/8	14	22	28	20	18	28	34	24
30	5	12	3/8	5/8	6	3/8	16	25	30	22	20	31	36	26
34	5	15	3/8	5/8	6	3/8	18	28	33	24	22	35	41	29
36	6	15	3/8	5/8	6	3/8	19	29	34	25	24	36	42	30
42	6	18	1/2	1	8	3/8	21	33	39	28	27	41	47	33
48	6	18	1/2	1	8	3/8	24	38	44	31	30	46	52	37
54	6	18	1/2	1	8	3/8	28	42	48	34	34	50	56	40
60	6	18	1/2	1 1/8	8	3/8	32	46	52	37	36	56	62	44
66	6	18	1/2	1 1/8	8	3/8	33	51	58	40	40	61	68	47
72	6	18	1/2	1 1/8	8	3/8	36	55	62	43	44	65	72	50

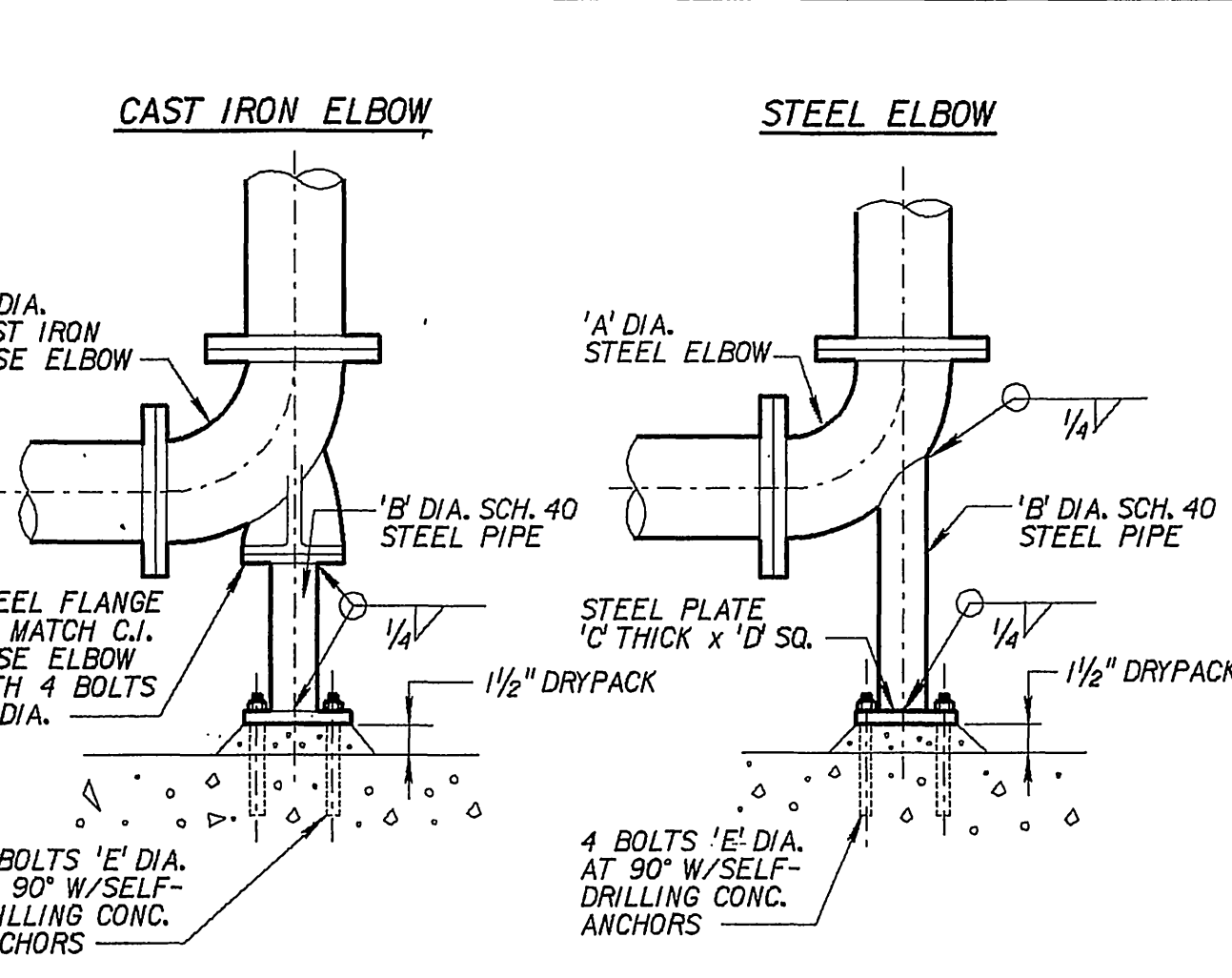


PIPE CLAMP FOR INDIVIDUAL PIPES
REV. 091587 **M-131**

DIMENSIONS IN INCHES

PIPE DIA.	'A'	'B' SEE NOTE 3 BELOW	'C' HOLE DIA	'D' FLAT BAR SIZE	LOAD RATING LBS.*
3/4	5-15/16	2-1/2	7/16	3/16 x 1-1/4	300
1	6-1/4	2-5/8	7/16	3/16 x 1-1/4	300
1-1/4	6-11/16	2-3/4	7/16	3/16 x 1-1/4	300
1-1/2	6-15/16	3	7/16	3/16 x 1-1/4	300
2	8-5/16	3-3/16	7/16	1/4 x 1-1/4	500
2-1/2	8-7/8	3-7/16	7/16	1/4 x 1-1/4	500
3	9-1/8	3-3/4	7/16	1/4 x 1-1/4	500
3-1/2	10-1/16	4	7/16	1/4 x 1-1/4	500
4	10-9/16	4-1/4	9/16	1/4 x 1-1/2	600
5	11-3/4	4-3/4	9/16	1/4 x 1-1/2	600
6	14-3/8	5-5/16	9/16	3/8 x 1-1/2	850
8	16-5/8	6-5/16	9/16	3/8 x 1-1/2	850

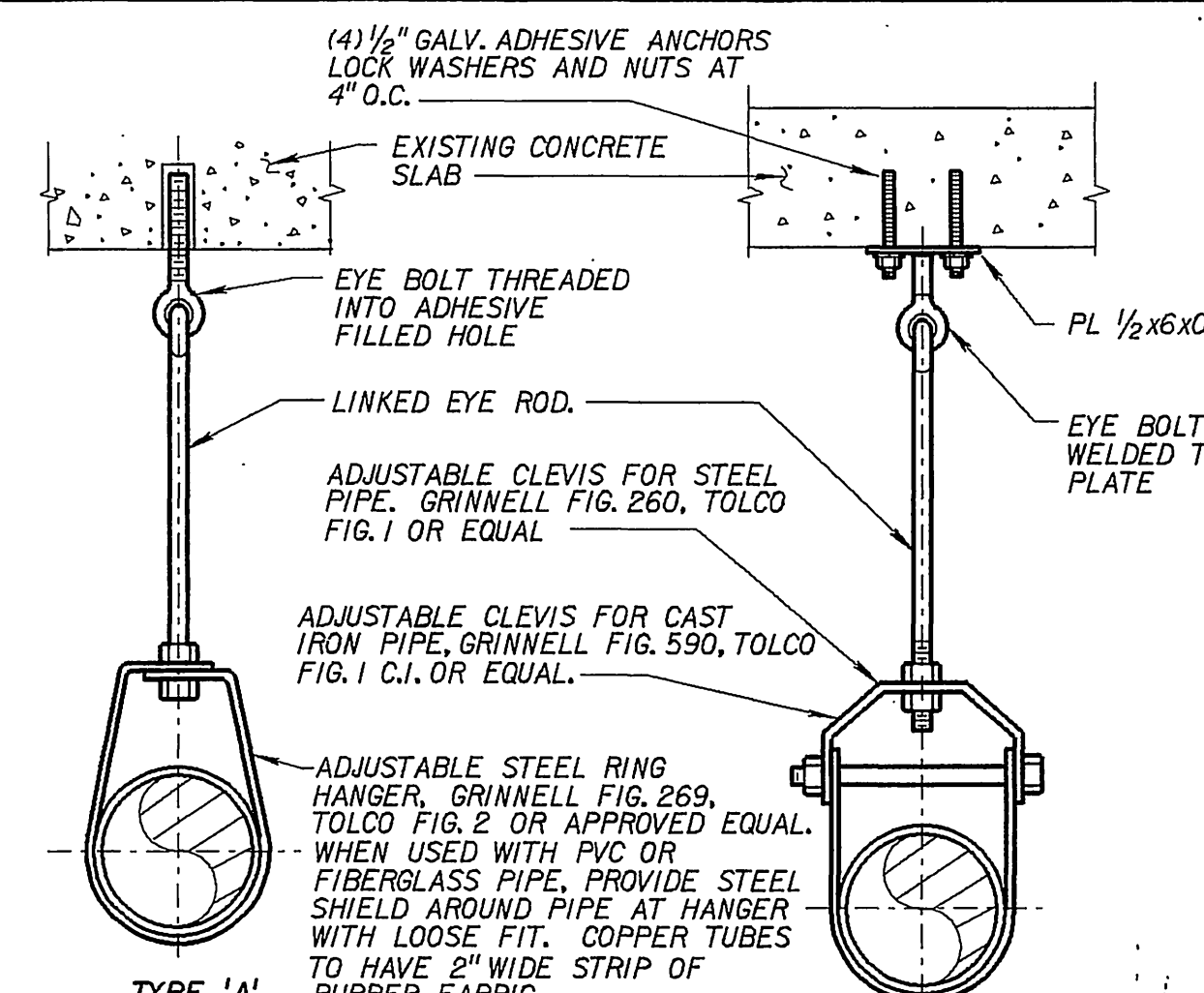
NOTES:
 1. WHERE SUBMERGED, PIPE CLAMP, ANCHOR, SHIELD, NUTS AND LOCKWASHER TO BE TYPE 316 STAINLESS STEEL.
 2. WHEN USED WITH PVC OR FIBERGLASS PIPE, PROVIDE STEEL SHIELD AROUND PIPE AT CLAMP, WITH LOOSE FIT. WRAP COPPER TUBES WITH 2" STRIP OF RUBBER FABRIC.
 3. FOR FLANGED PIPING, INCREASE 'B' DIMENSION AS REQUIRED.
 *SAFETY FACTOR OF 5



ELBOW SUPPORT
REV. 000000 **M-140**

DIMENSIONS IN INCHES

ELBOW 'A' DIA.	'B' DIA.	'C' THICK	'D' SQ.	'E' DIA.
4	2	3/8	6	5/8
6	2 1/2	3/8	7	5/8
8	4	1/2	9	5/8
10	4	1/2	9	5/8
12	6	1/2	11	3/4
14	6	1/2	11	3/4
16	6	1/2	11	3/4
18	8	1/2	13 1/2	3/4
20	8	1/2	13 1/2	3/4
24	8	1/2	13 1/2	3/4
30	10	3/4	16	7/8
36	12	3/4	19	7/8
42	16	3/4	23 1/2	1
48	18	3/4	25	1 1/8

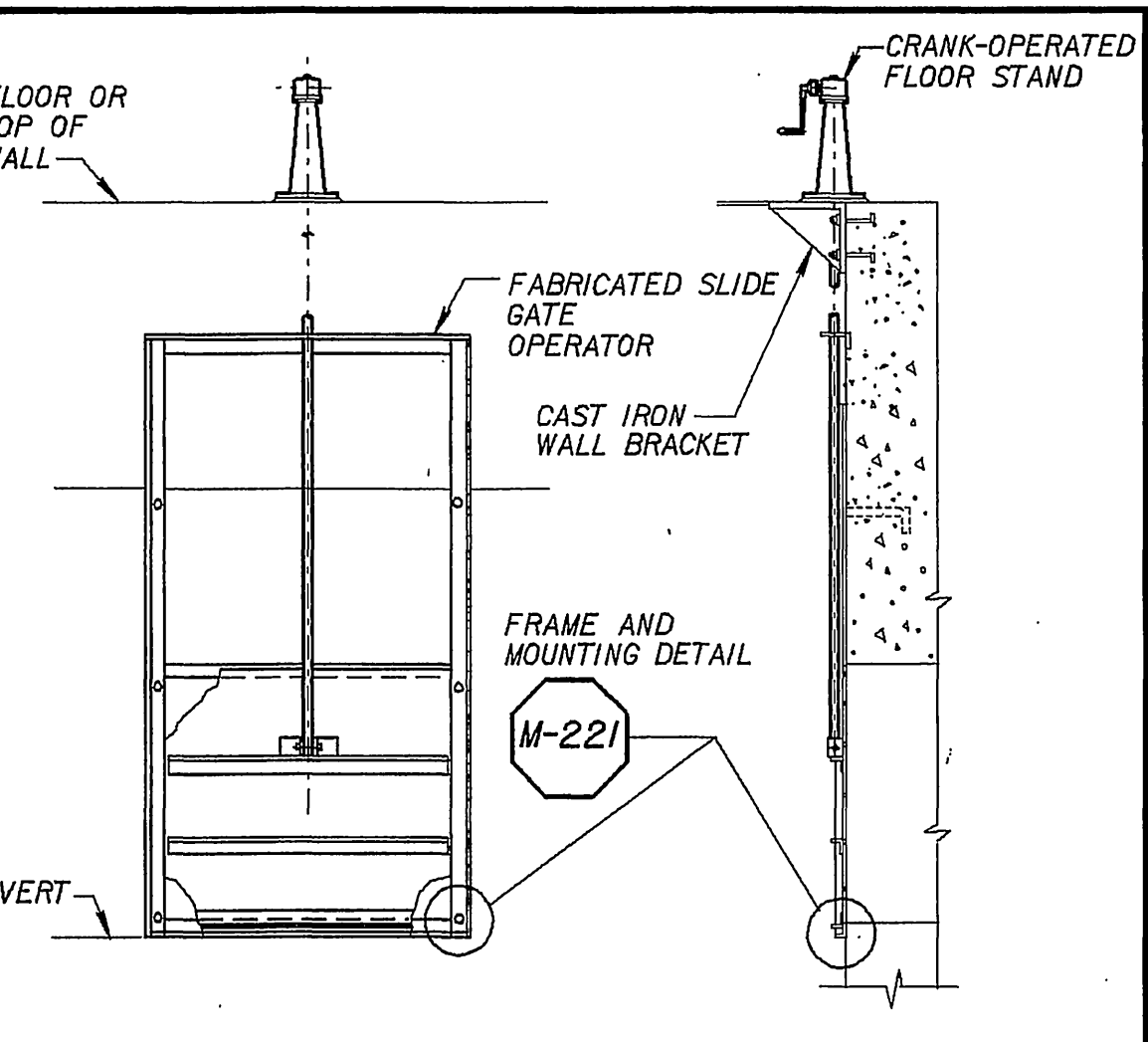


PIPE HANGER
REV. 042992 **M-152**

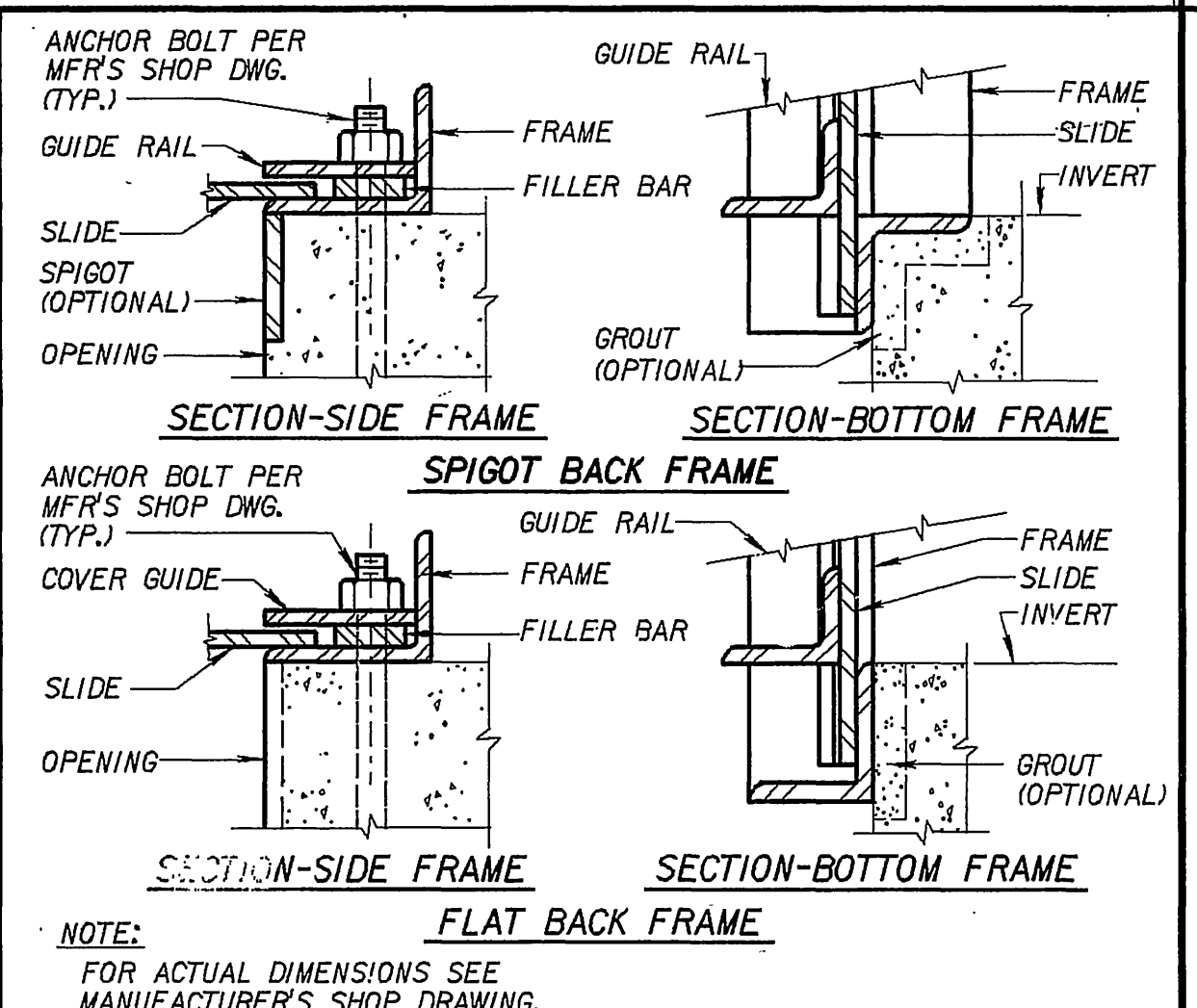
PIPE HANGER RODS AND SUPPORT SPACING

PIPE DIA. (INCHES)	ROD DIA. (INCHES)	MAX. SUPPORT SPACING (FEET)		WEIGHT LIMIT (LBS.)	
		STL. PIPE	C.I. PIPE	TYPE 'A'	TYPE 'B'
1 & SMALLER	3/8	6	5	610	1700
1 1/4 TO 2	3/8	9	5	610	1700
2 1/2 TO 3 1/2	1/2	12	5	1130	3200
4 TO 5	3/4	14	5	1430	3800
6, 8	3/4	16	5	1430	3800
10, 12	7/8	18	—	1430	3800
14, 16	1	20	—	1430	3800

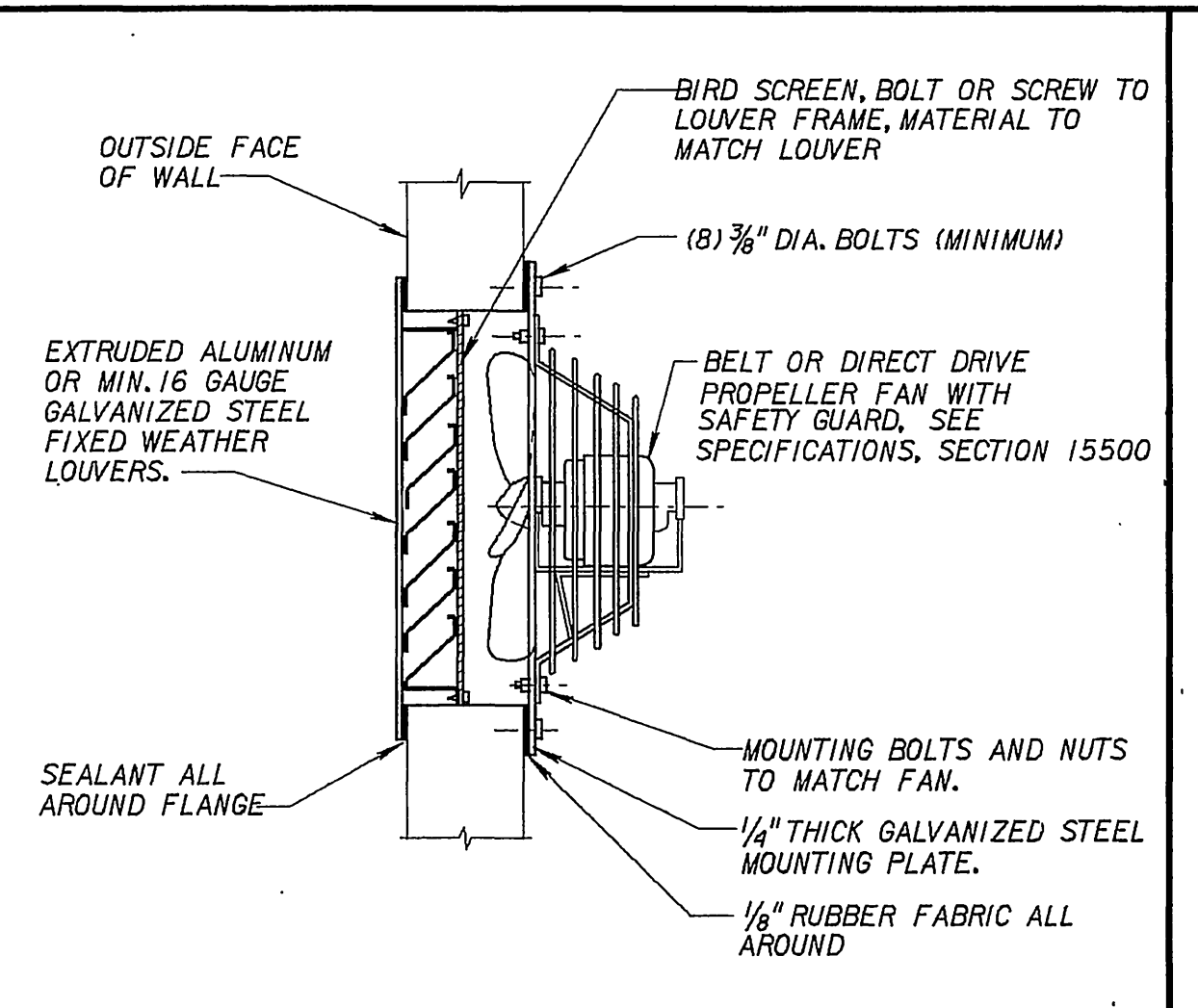
NOTE: GALVANIZE ALL PARTS AFTER FABRICATION.



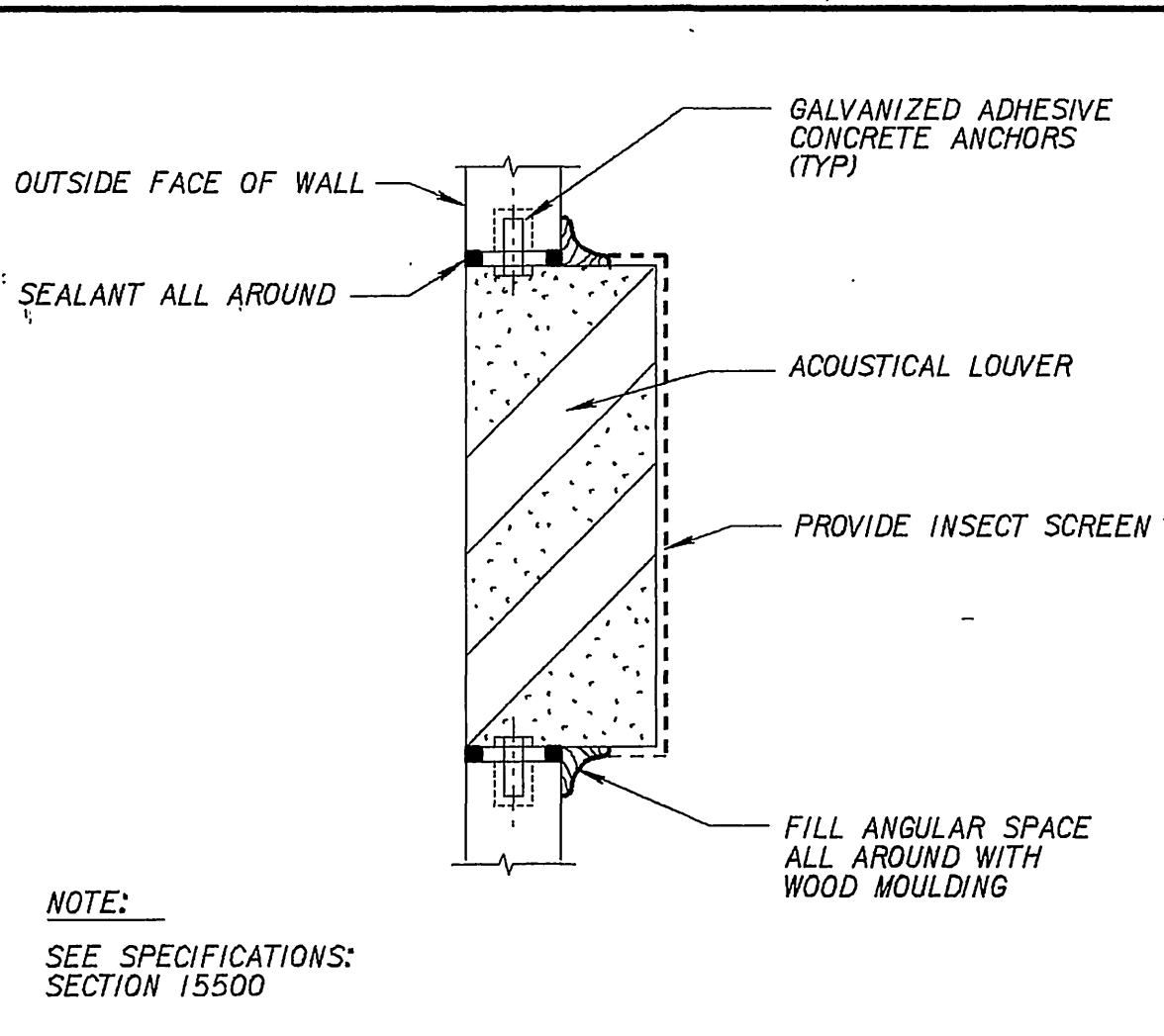
SLIDE GATE-DOWNWARD CLOSING
REV. 051588 **M-218**



SPIGOT & FLAT BACK FRAME
REV. 051588 **M-221**



FAN WITH FIXED LOUVER
REV. 091587 **M-505**



ACOUSTICAL LOUVER
REV. 091587 **M-518**



JOB NO.
S-1636

JOB NO. 193,0452 FILE NO. /usr5/pr/1/riversps/mec/plerm01.dgn

SCALE:	WARNING
NONE	0 1/2 1 IF THIS BAR DOES NOT MEASURE 1 THEN DRAWING IS NOT TO SCALE.
DESIGNED	T.S. Koh
DRAWN	T.S. Koh
CHECKED	H. Mayang

SUBMITTED	Partha Namuduri	C-49471	5-23-94
PROJECT ENGINEER		R. C. E. NO.	DATE
CHECKED	Sundara Thekral	C-44599	5-23-94
		R. C. E. NO.	DATE

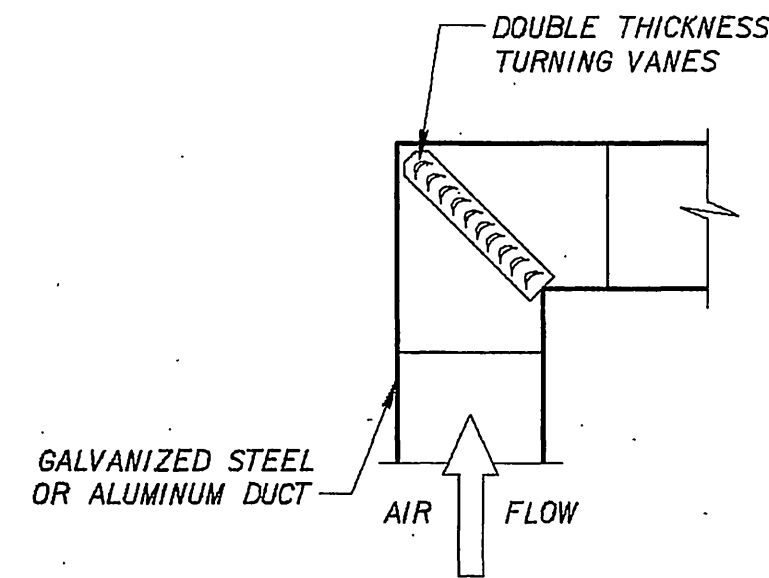
MONTGOMERY WATSON
Pasadena, California

APPROVED	DATE
SUPERVISING CIVIL ENGINEER	DATE
APPROVED	DATE
WATER SYSTEM MANAGER	DATE

CITY OF RIVERSIDE
PIERCE STREET PUMP STATION UPGRADE
MECHANICAL STANDARD DETAILS-1

SHEET
M-1
OF 44 SHEETS

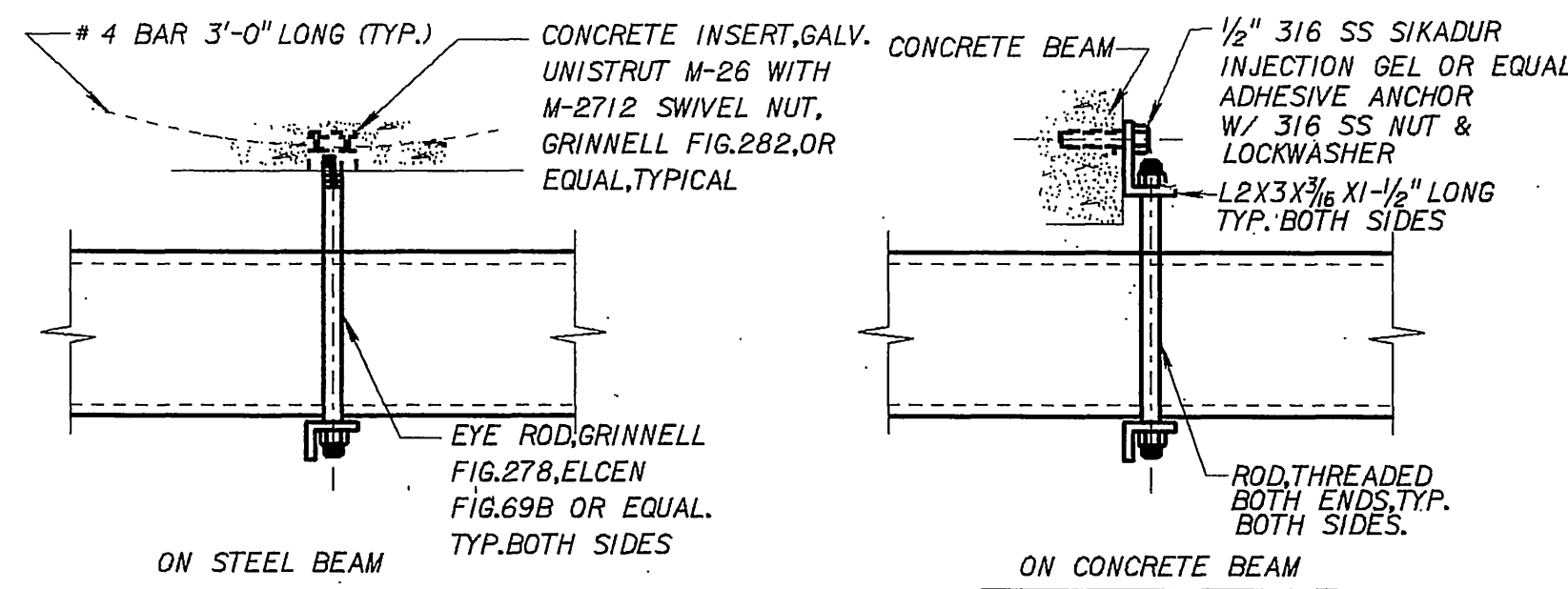
INDEXED 1-31-05 LH



TYPICAL SHARP TURN WITH TURNING VANES

NOTE: SEE SPECIFICATIONS: SECTION 15500.

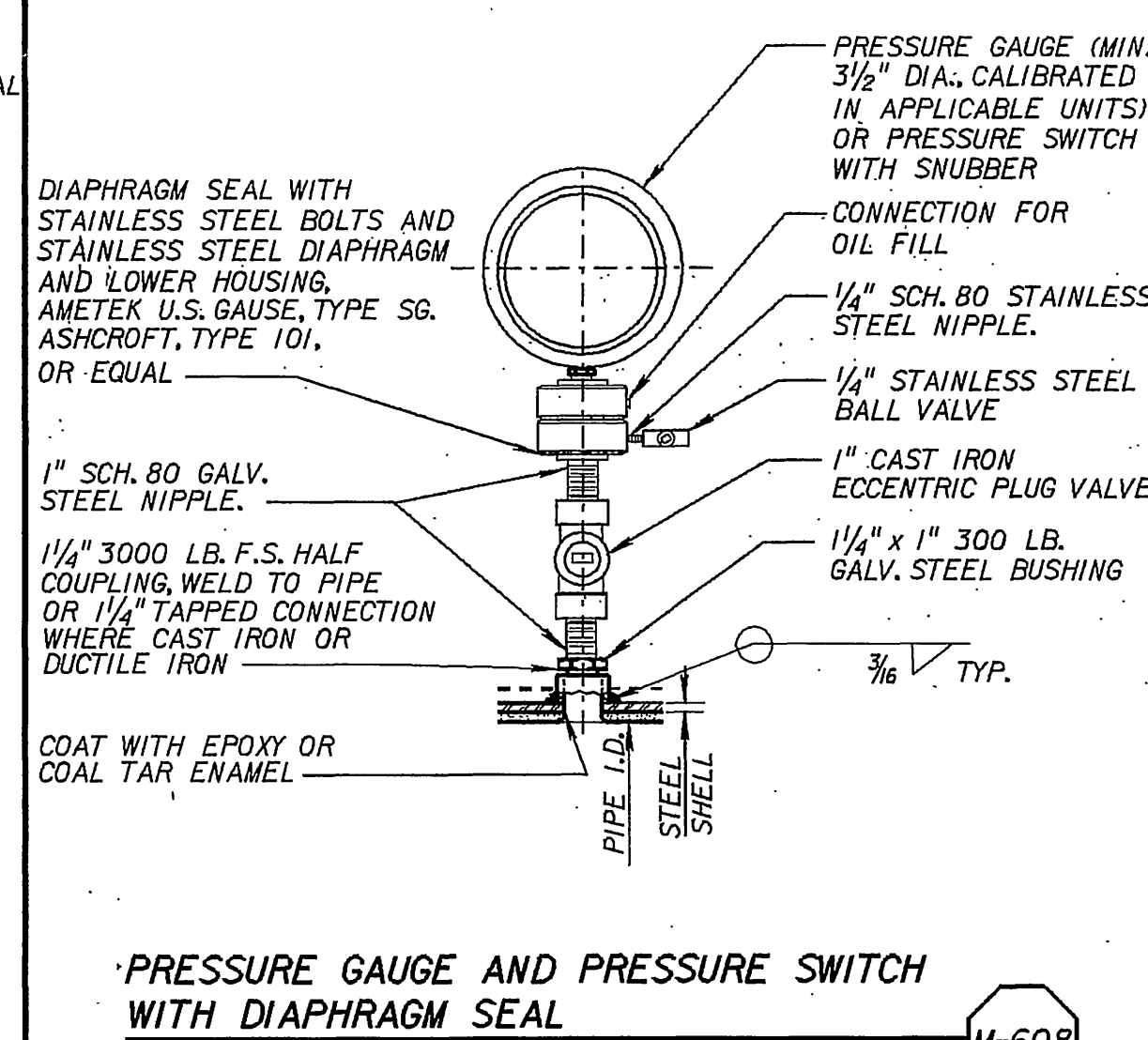
AIR DUCT DETAILS M-516



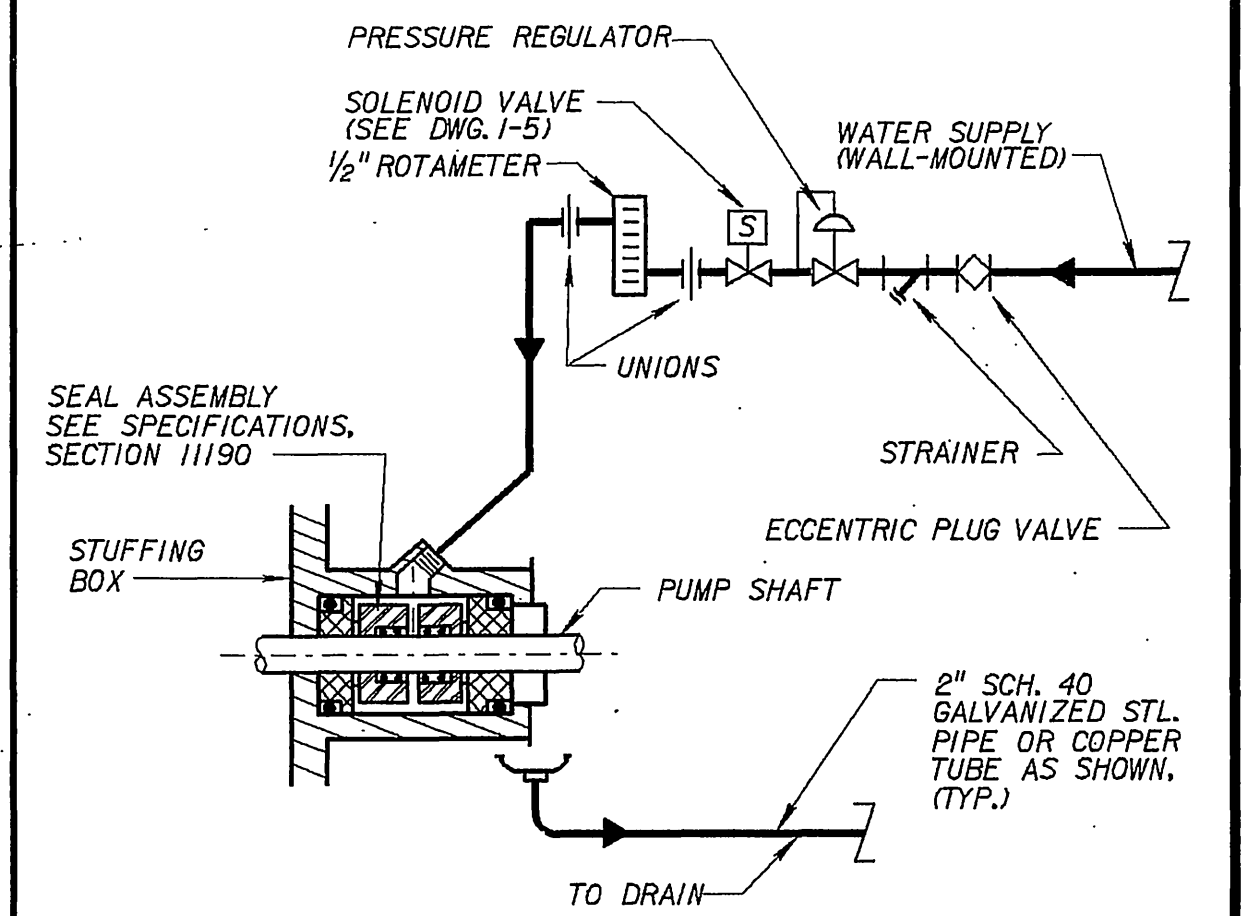
SUGGESTED SIZING AND SPACING (INCHES)			
MAX. DUCT SIZE	ROD DIA.	SUPPORT ANGLE	MAXIMUM SPACING
36 X 12	3/8	1-1/2 X 1-1/2 X 1/8	8'-0" ON CENTER
48 X 18	1/2	2 X 2 X 1/8	8'-0" ON CENTER
60 X 24	1/2	2 X 2 X 3/16	6'-0" ON CENTER
80 X 24	1/2	2 X 2 X 1/4	6'-0" ON CENTER

NOTE: GALVANIZE ALL PARTS AFTER FABRICATION. WHERE SUBMERGED, BRACKET, U BOLT, LOCKWASHERS, AND ANCHORS TO BE STAINLESS STEEL TYPE 316.

HANGERS FOR DUCTS M-517



PRESSURE GAUGE AND PRESSURE SWITCH WITH DIAPHRAGM SEAL M-608



WATER FLUSHED PUMP SEAL REV. 091587 M-906

PUMP SCHEDULE

PUMP NO.	LOCATION	DWG. NO.	SERVICE	TYPE	GPM (RANGE)	TDH FT.	HP (MIN.)	REMARKS
P-1	BASEMENT	M-5	RAW SEWAGE	SCREW CENTRIFUGAL	-	-	100	VFD OWNER-FURNISHED
P-2	BASEMENT	M-5	RAW SEWAGE	SCREW CENTRIFUGAL	-	-	100	VFD OWNER-FURNISHED
P-3	BASEMENT	M-5	RAW SEWAGE	SCREW CENTRIFUGAL	2400 5100	88 125	200	VFD OWNER-FURNISHED
P-4	BASEMENT	M-5	RAW SEWAGE	SCREW CENTRIFUGAL	2400 5100	88 125	200	VFD OWNER-FURNISHED
P-5	WEST WETWELL	M-3	RAW SEWAGE	CHOPPER VERTICAL	-	-	5	OWNER-FURNISHED
P-6	EAST WETWELL	M-3	RAW SEWAGE	CHOPPER VERTICAL	-	-	5	OWNER-FURNISHED

METER SCHEDULE

METER NO.	LOCATION	DWG. NO.	SERVICE	TYPE	SIZE IN.	FLOW RANGE	ENDS	REMARKS
M-1	METER VAULT	M-5	RAW SEWAGE	MAGMETER	16		FLGD	
M-2	METER VAULT	M-5	RAW SEWAGE	MAGMETER	16		FLGD	

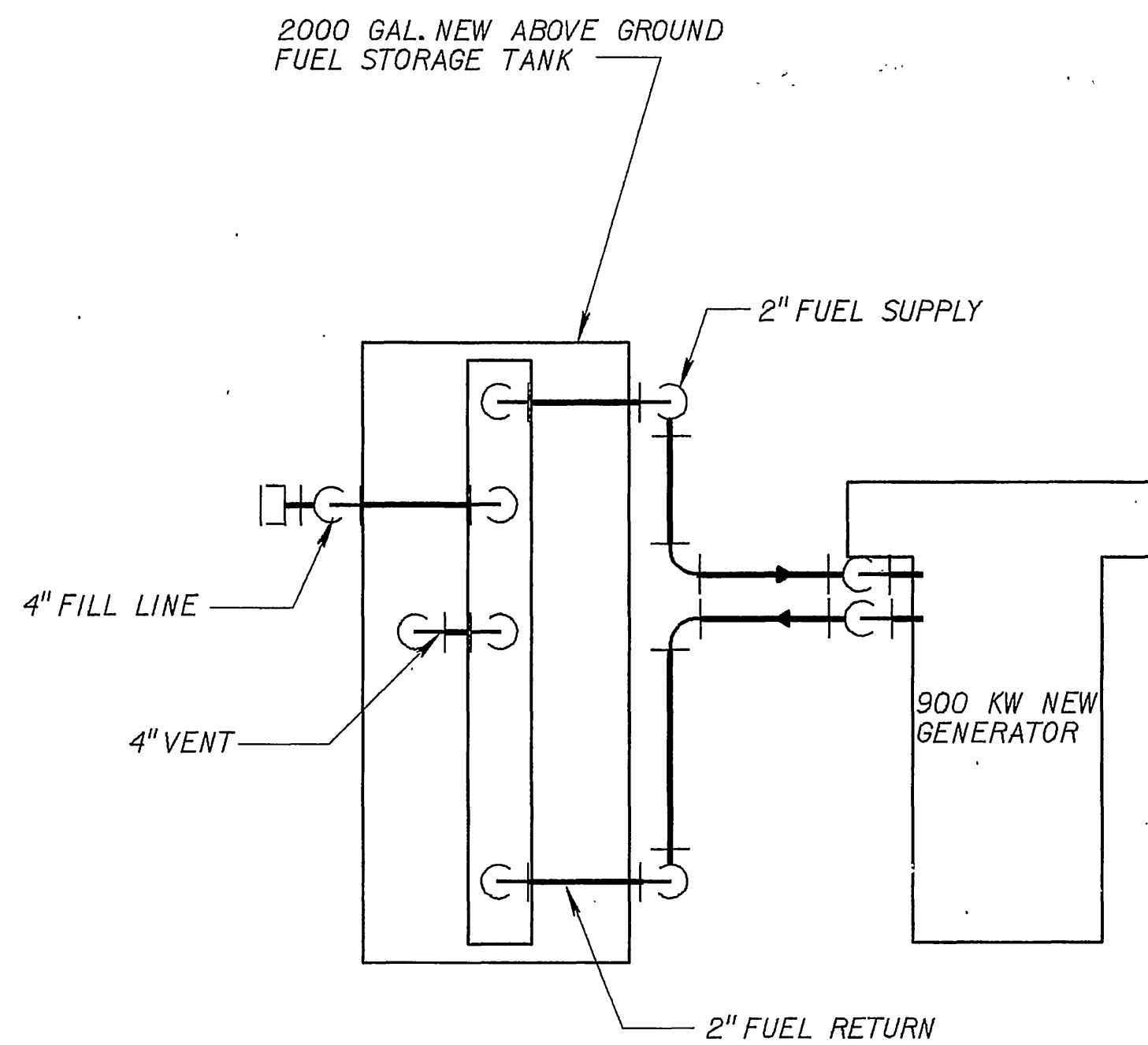
GATE SCHEDULE

GATE NO.	LOCATION	DWG. NO.	SERVICE	OPERATOR	HEAD FT.		SIZE IN.	TYPE OR REMARKS
					UNSEATING	SEATING		
G-1	WEST WETWELL	M-3/M-8	RAW SEWAGE	CRANK FLOOR STAND	3'-0"	-	72"X72"	SLIDE GATE
G-2	EAST WETWELL	M-3/M-8	RAW SEWAGE	CRANK FLOOR STAND	3'-0"	-	48"X48"	SLIDE GATE

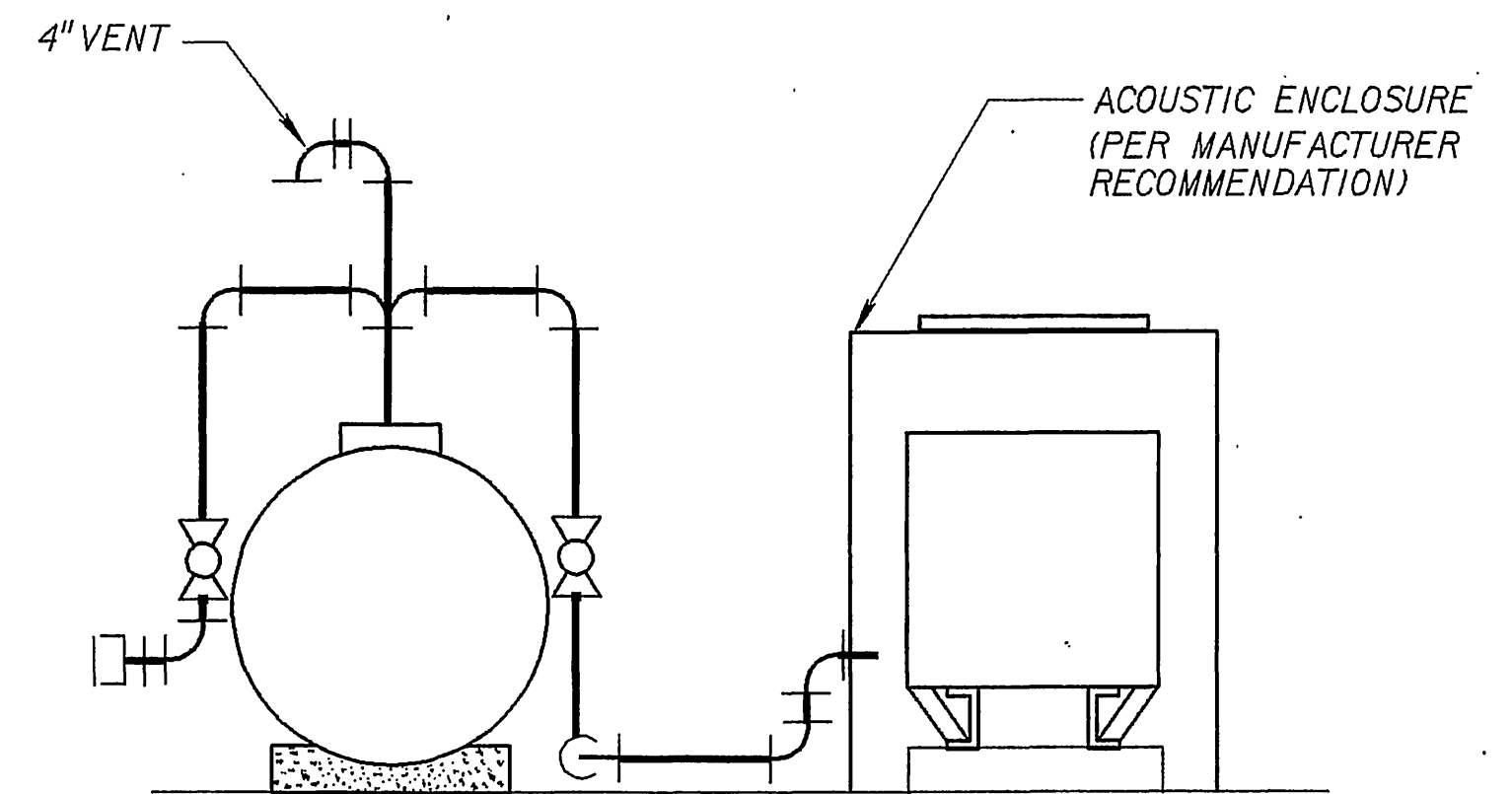
FAN SCHEDULE

FAN OR VENT NO.	LOCATION	DWG. NO.	SERVICE	TYPE	CFM	S.P. IN.	HP (MIN.)	REMARKS
F-1	ENCLOSURE	M-6/M-9	EXHAUST	THESE SHALL BE SIZED AND SUPPLIED BY THE ENCLOSURE SUPPLIER				
F-2	ENCLOSURE	M-6/M-9	EXHAUST					
F-3	ENCLOSURE	M-6/M-9	SUPPLY	CENTRIFUGAL BELT-DRIVEN	1600	0.50	0.5	2-SPEED 480V-3-60, TEFC
F-4	ENCLOSURE	M-6/M-9	EXHAUST	CENTRIFUGAL BELT-DRIVEN	1600	0.50	0.5	2-SPEED 480V-3-60, TEFC
F-5	MCC-BUILDING	S-4	EXHAUST	LOW PROFILE	2000	0.25	0.75	1LG MODEL LSBI35 OR EQUAL

2000 GAL. NEW ABOVE GROUND FUEL STORAGE TANK

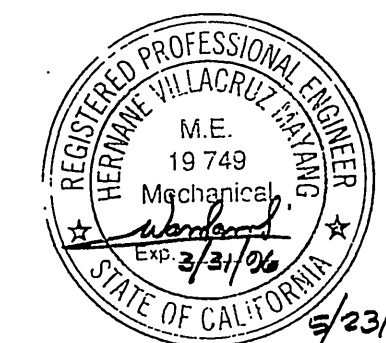


PLAN



ELEVATION

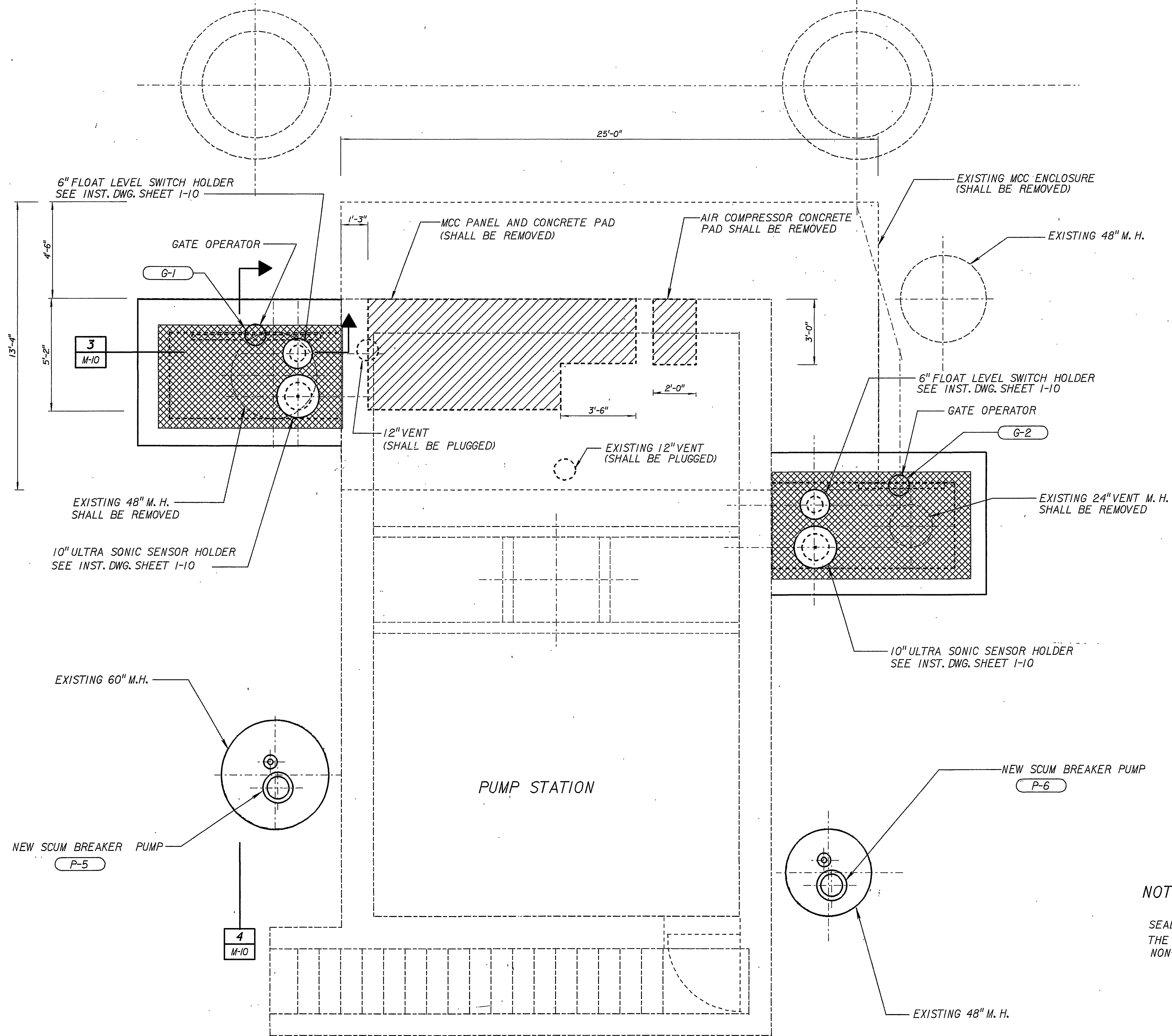
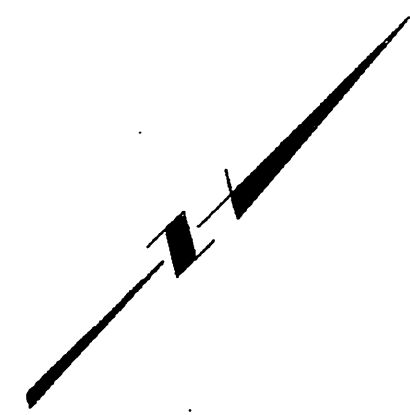
EMERGENCY ENGINE GENERATOR (SCHEMATIC)



JOB NO. S-1636

SCALE: NONE	DESIGNED: T.S. Koh	SUBMITTED: Partha Namuduri C-49471 5-23-94	APPROVED: _____	CITY OF RIVERSIDE	SHEET
WARNING: IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.	DRAWN: T.S. Koh	PROJECT ENGINEER: R. C. E. NO. DATE	SUPERVISING CIVIL ENGINEER: _____ DATE	PIERCE STREET PUMP STATION UPGRADE	M-2
REV DATE BY DESCRIPTION	CHECKED: H. Mayang	MONTGOMERY WATSON: Surendra Thakral C-49599 5-23-94	APPROVED: _____	MECHANICAL STANDARD DETAILS-2, EQUIPT. LIST AND EMERGENCY ENGINE GENERATOR	OF 44 SHEETS
		Pasadena, California	WATER SYSTEM MANAGER: _____ DATE		

INDEXED 1-31-05 Lft



NOTE:

SEAL ALL CONDUIT PENETRATIONS THROUGH THE TOP SLAB OF THE PUMP STATION ASSOCIATED WITH THE EXISTING MCC WITH NON-SHRINK GROUT.



JOB NO.
S-1636

REV	DATE	BY	DESCRIPTION

SCALE: 3/8"=1'-0"
 WARNING: IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

DESIGNED: *T.S. Koh*
 DRAWN: *T.S. Koh*
 CHECKED: *H. Mayang*

SUBMITTED: *Paresh Namuduri* C-49471 5-23-94
 PROJECT ENGINEER R. C. E. NO. DATE
 CHECKED: *Suresh Shaktel* C-44599 5-23-94
 MONTGOMERY WATSON R. C. E. NO. DATE



MONTGOMERY WATSON
 Pasadena, California

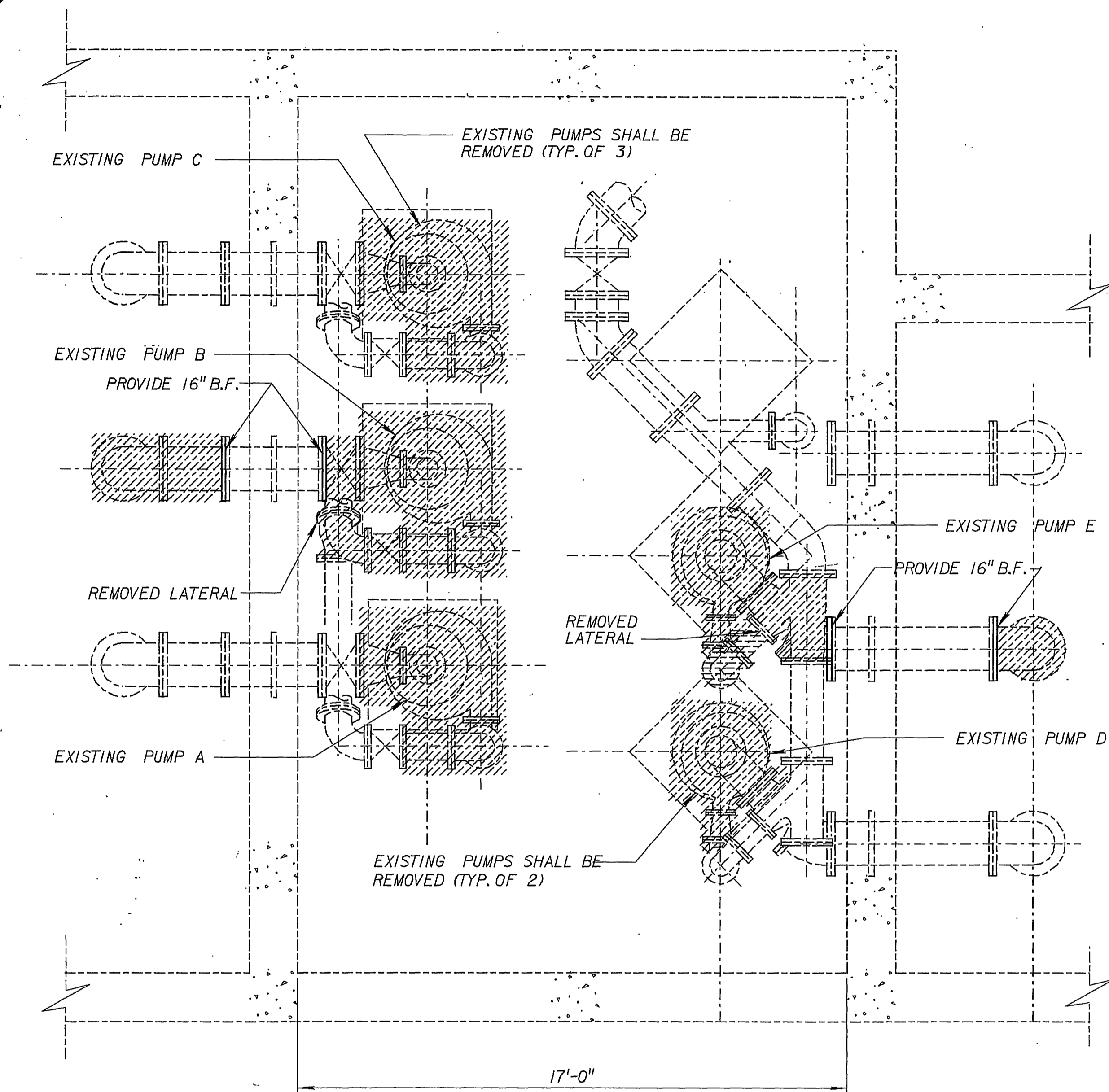
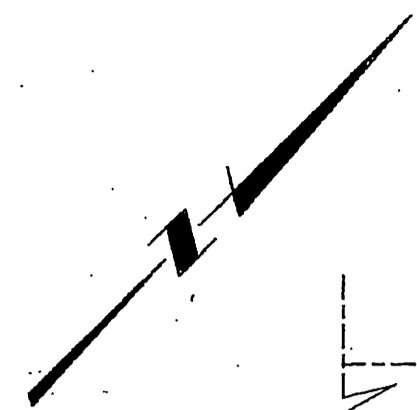
APPROVED: _____ DATE _____
 SUPERVISING CIVIL ENGINEER
 APPROVED: _____ DATE _____
 WATER SYSTEM MANAGER

CITY OF RIVERSIDE
 PIERCE STREET PUMP STATION UPGRADE
 TOP PLAN

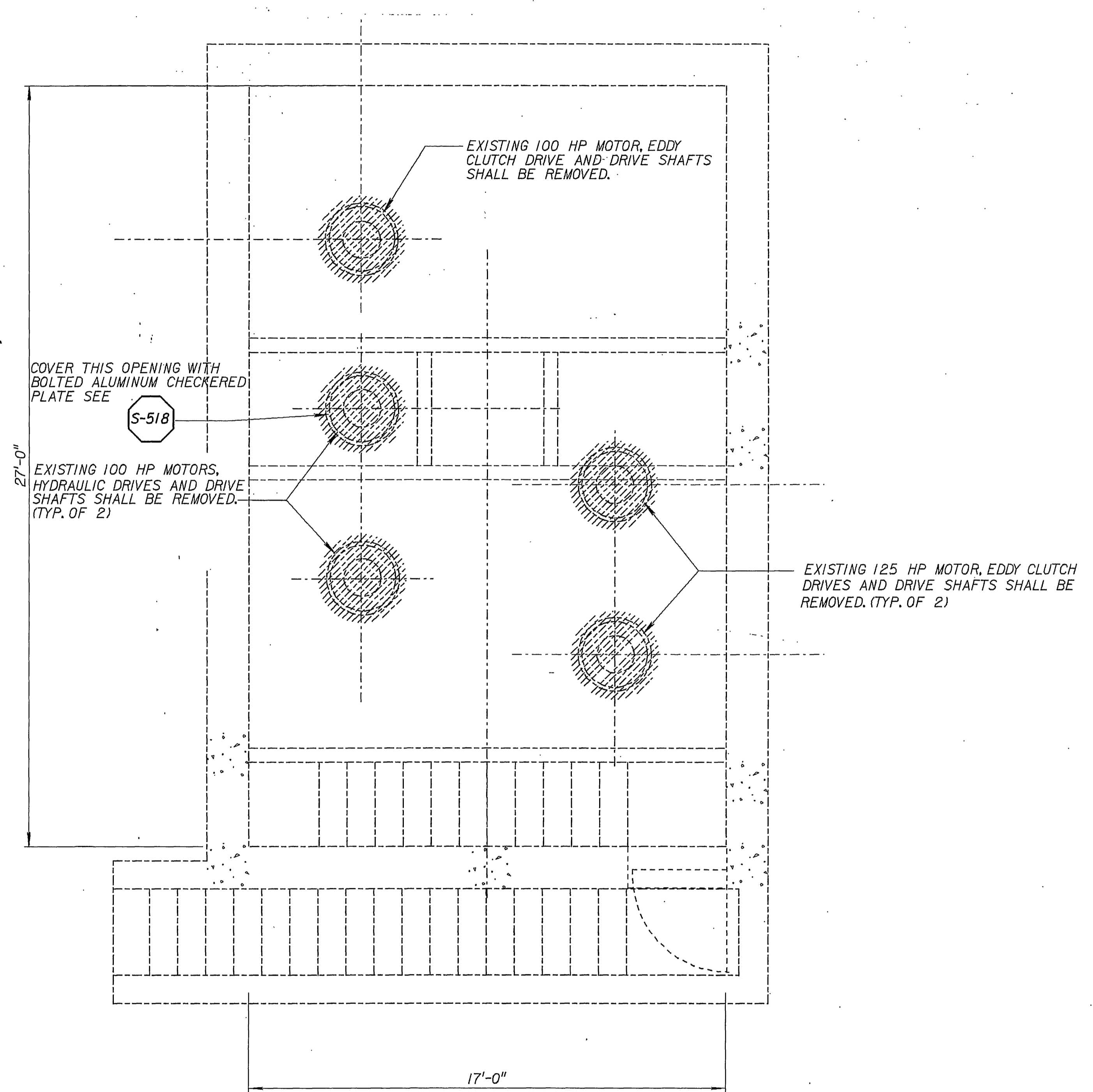
SHEET
M-3
OF 44 SHEETS

INDEXED 1-31-05 ftt

5-93 JOB No. 193.0452 FILE No. /usr5/prj/riverside/mcc/plerm03.dgn



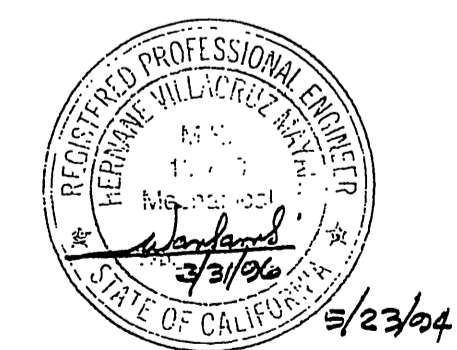
DEMOLITION - BASEMENT PLAN



DEMOLITION - FIRST FLOOR PLAN

GENERAL NOTES;

1. CONTRACTOR SHALL FIELD VERIFY SIZE OF B.F.
2. CONTRACTOR SHALL DISPOSE OF THE REMOVED PUMPS, MOTORS, ADJUSTABLE SPEED DRIVES, PIPING, AND VALVES.



JOB NO.
S-1636

REV	DATE	BY	DESCRIPTION

SCALE: 3/8"=1'-0"
 WARNING: IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

DESIGNED: T.S. Koh
 DRAWN: T.S. Koh
 CHECKED: H. Mayang

SUBMITTED: R. Narasimhan, C-49471, 5-23-94
 PROJECT ENGINEER
 SUBMITTED: Suresh Thirumal, C-44599, 5-23-94
 CONSULTING ENGINEERS, INC.



MONTGOMERY WATSON

Pasadena, California

APPROVED: _____
 SUPERVISING CIVIL ENGINEER
 APPROVED: _____
 WATER SYSTEM MANAGER

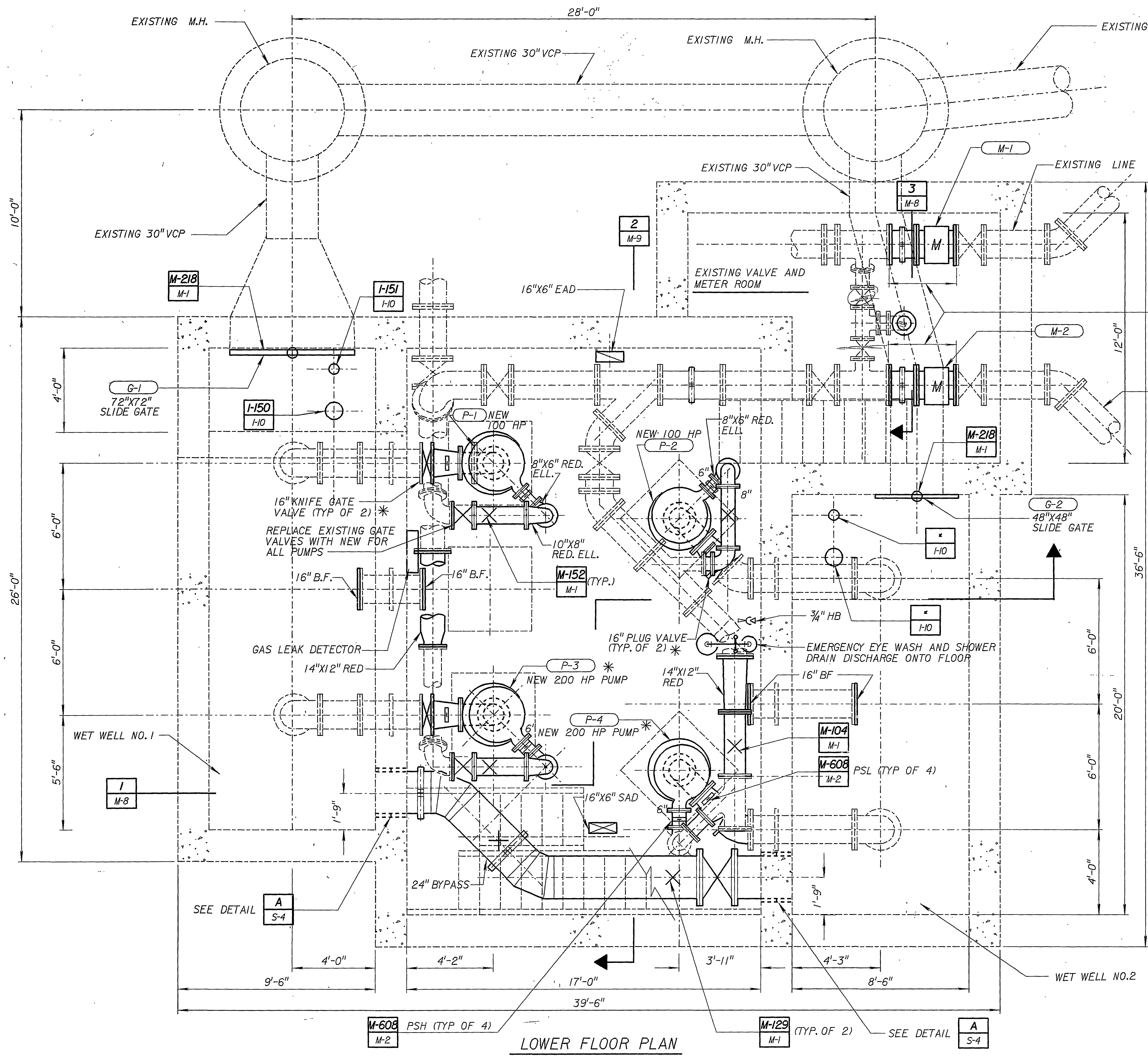
CITY OF RIVERSIDE
 PIERCE STREET PUMP STATION UPGRADE
 DEMOLITION-FIRST FLOOR AND BASEMENT PLANS

SHEET
 M-4
 OF 44 SHEETS

INDEXED 1-31-05 Lft

JOB NO. 193.0452 FILE NO. /usr5/prj/riversps/mec/pterm04.dgn

JOB NO. 193.0452 FILE NO. /usr5/pr/jr/rivers/ps/mec/plerir05.dgn

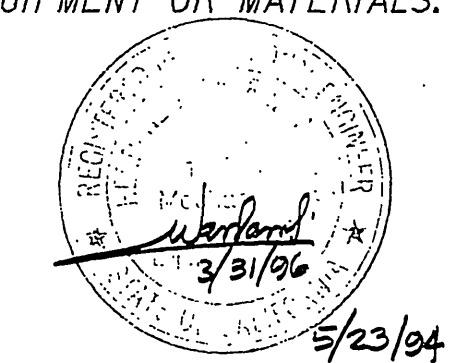


EXISTING SONIC METER SHALL BE REMOVED AND REPLACED WITH NEW MAGMETER

EXISTING LINE

NOTES:

- UNLESS NOTED OTHERWISE PIPING AND FITTINGS SHALL BE CARBON STEEL (AWWA C200), EPOXY-COATED AND PAINTED TO CLIENT'S PREFERRED COLOR.
- CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO PUMP INSTALLATIONS. IT SHALL BE CONTRACTOR'S RESPONSIBILITY TO MATCH OR MAKE FIT TO EXISTING PIPING AND VALVES, ETC.
- * INDICATES OWNER SUPPLIED EQUIPMENT OR MATERIALS.



5/23/94

JOB NO. S-1636

REV	DATE	BY	DESCRIPTION

SCALE: 3/8"=1'-0"
 WARNING: IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

DESIGNED: T.S. Koh
 DRAWN: T.S. Koh
 CHECKED: H. Mayang

SUBMITTED: Purshottamdevi C-49471 5-23-94
 PROJECT ENGINEER R. C. E. NO. DATE
 CHECKED: Surendra Thakral C-44599 5-23-94
 MONTGOMERY WATSON R. C. E. NO. DATE



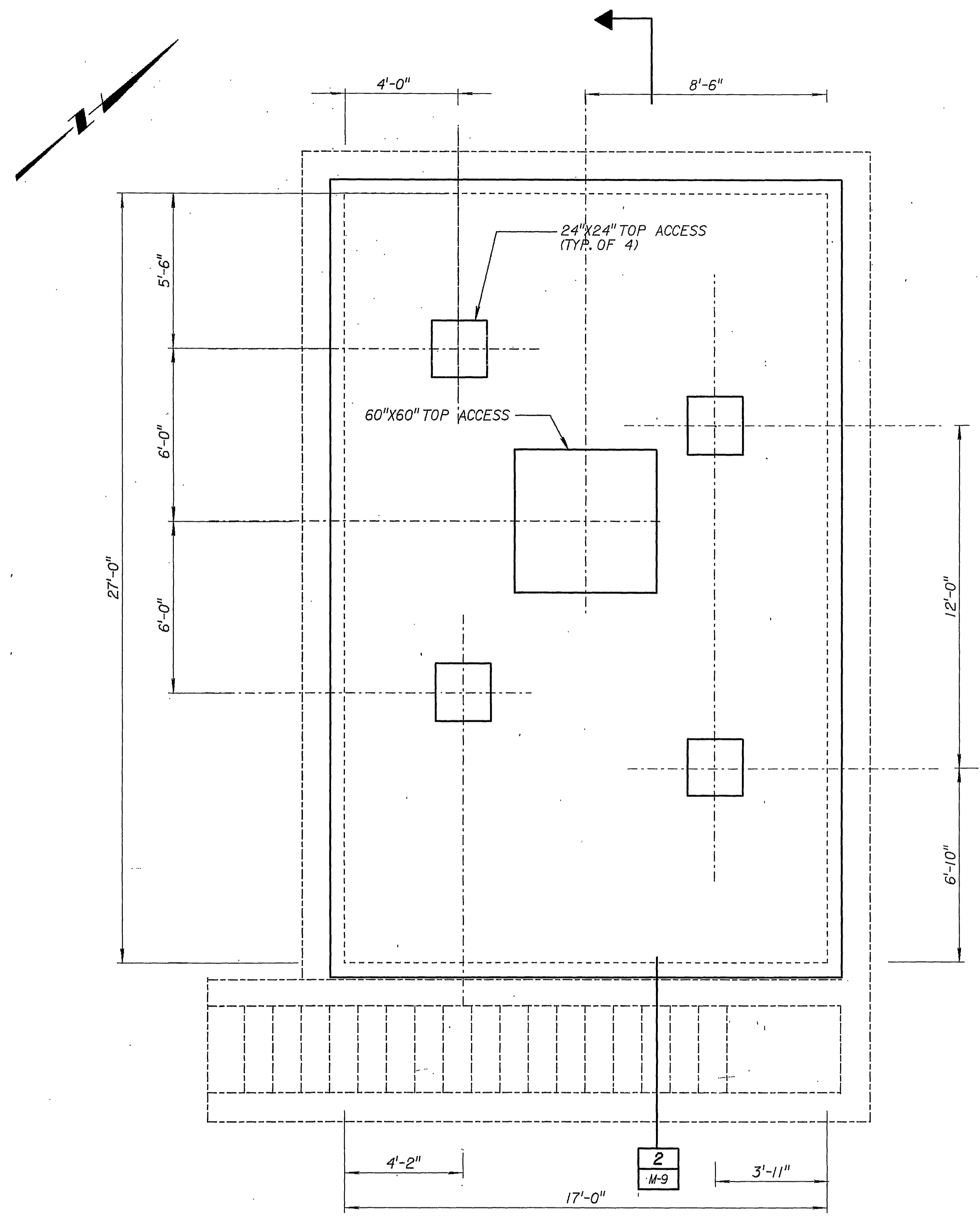
MONTGOMERY WATSON
 Pasadena, California

APPROVED: _____
 SUPERVISING CIVIL ENGINEER DATE
 APPROVED: _____
 WATER SYSTEM MANAGER DATE

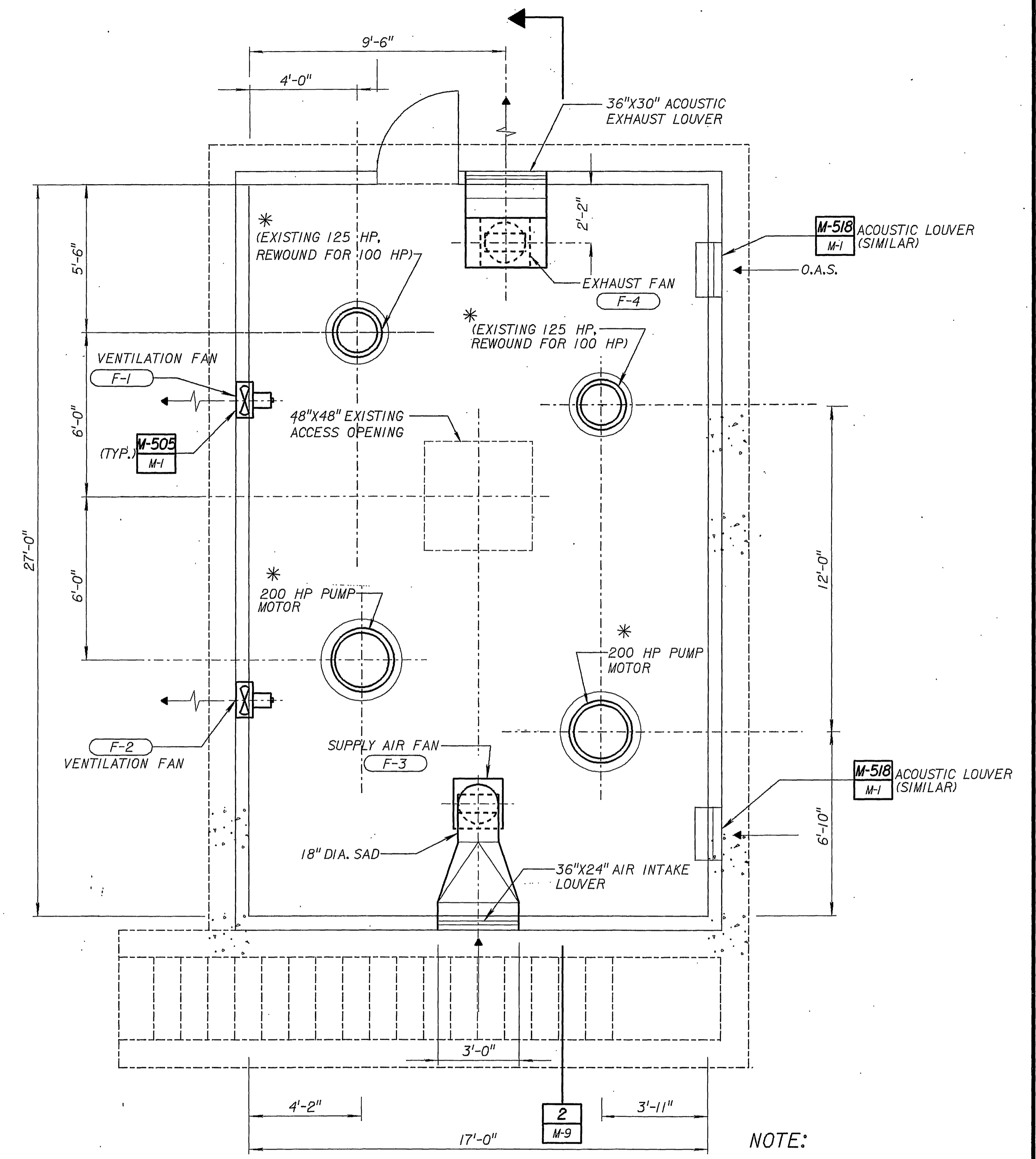
CITY OF RIVERSIDE
 PIERCE STREET PUMP STATION UPGRADE
 PUMP STATION - BASEMENT PLAN

SHEET M-5 OF 44 SHEETS

INDEXED 1-31-05 LHM

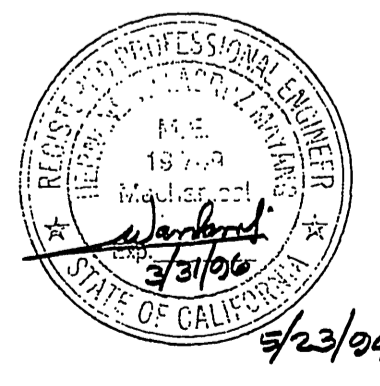


ENCLOSURE TOP PLAN



PUMP STATION - TOP LEVEL PLAN

NOTE:
* INDICATES OWNER SUPPLIED ITEMS.



JOB NO.
S-1636

JOB No. 193.0452 FILE No. /usr5/prj/riverside/mec/pler006.dgn

REV	DATE	BY	DESCRIPTION

SCALE: 3/8"=1'-0"
WARNING: IF THIS BAR DOES NOT MEASURE THEN DRAWING IS NOT TO SCALE.

DESIGNED: T.S. Koh
DRAWN: T.S. Koh
CHECKED: H. Mayang

SUBMITTED: Partho Namuduni, PROJECT ENGINEER, C-49471, 5-23-94
SUBMITTED: Suresh Thakral, MONTGOMERY WATSON, C-44599, 5-23-94



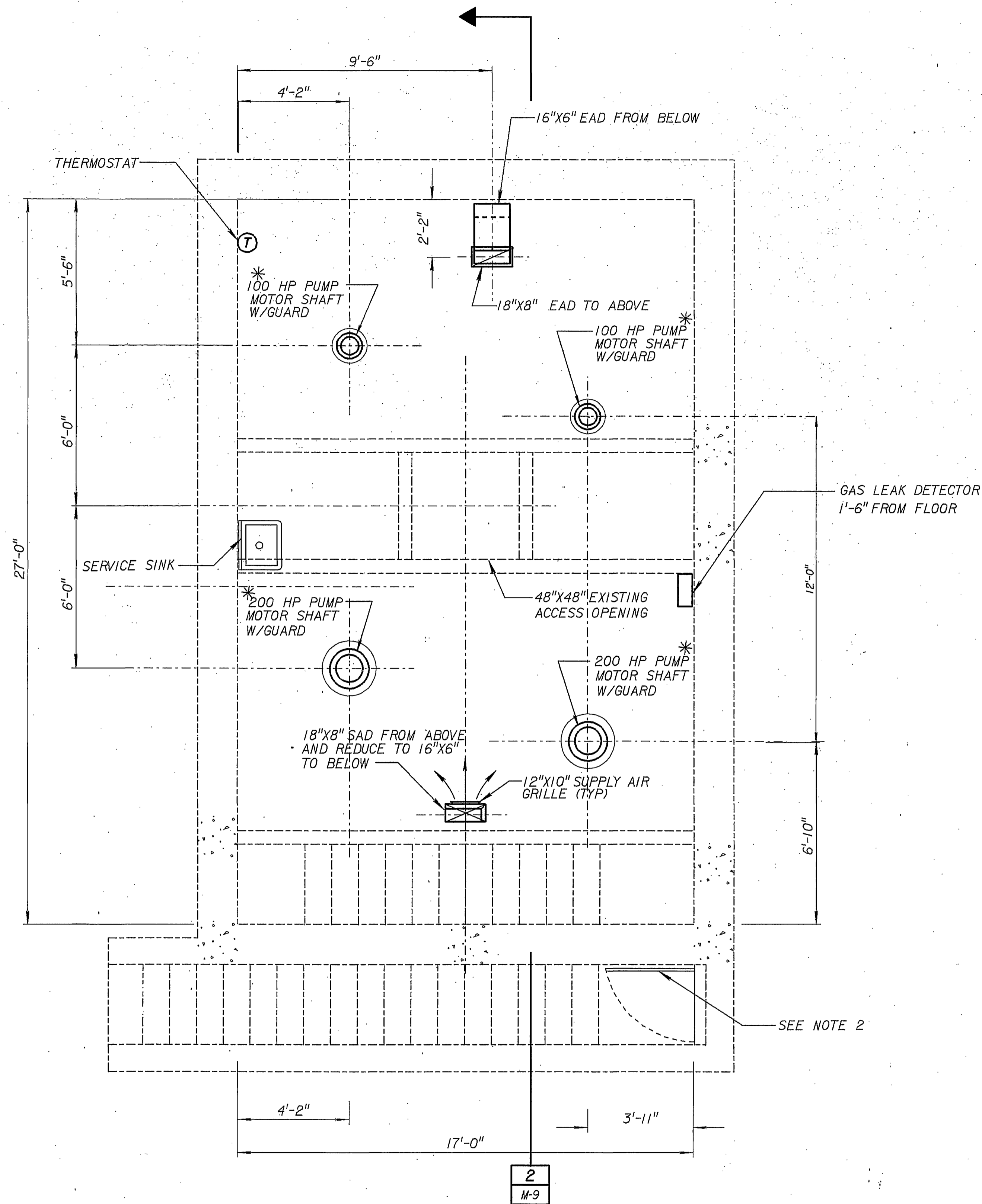
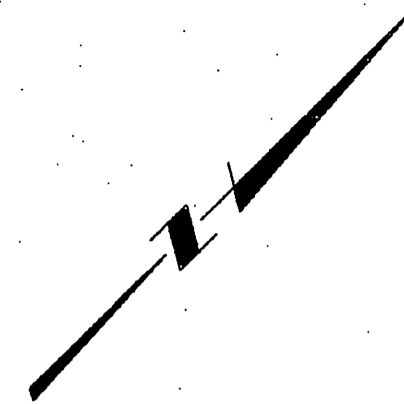
MONTGOMERY WATSON
Pasadena, California

APPROVED: SUPERVISING CIVIL ENGINEER, WATER SYSTEM MANAGER

CITY OF RIVERSIDE
PIERCE STREET PUMP STATION UPGRADE
ENCLOSURE AND PUMP STATION TOP PLAN

SHEET
M-6
OF 44 SHEETS

INDEXED 1-31-05 Lft



NOTES :

1. * INDICATES OWNER SUPPLIED ITEMS.
2. REMOVE EXISTING METAL DOOR AND REPLACE WITH SOLID FIBERGLASS DOOR (WITH NO LOUVERS) MANUFACTURERS SHALL BE:
 - A) FIBERGLASS TECHNOLOGIES, P.O. BOX 415, FAIRBURN, GA. 30213
 - B) VEGA TECHNOLOGIES, INC. P.O. DRAWER 200 MARSHALL, AR. 72650
 - C) FENESTIA, CORP. ERIE, PA.
 OR EQUAL.



JOB NO.
S-1636

REV.	DATE	BY	DESCRIPTION

SCALE: 3/8"=1'-0"
 WARNING: IF THIS BAR DOES NOT MEASURE 1/2" THEN DRAWING IS NOT TO SCALE.

DESIGNED: *T.S. Koh*
 DRAWN: *T.S. Koh*
 CHECKED: *H. Mayang*

SUBMITTED: *Pandita Namiduri* C-49471 5-23-94
 PROJECT ENGINEER R. C. E. NO. DATE
Suwendro Thaxal e-44599 5-23-94
 MONTGOMERY WATSON R. C. E. NO. DATE



MONTGOMERY WATSON
 Pasadena, California

APPROVED: _____ DATE _____
 SUPERVISING CIVIL ENGINEER
 APPROVED: _____ DATE _____
 WATER SYSTEM MANAGER

CITY OF RIVERSIDE
 PIERCE STREET PUMP STATION UPGRADE
 PUMP STATION - FIRST FLOOR PLAN

SHEET
M-7
 OF 44 SHEETS

INDEXED 1-31-05 Lft

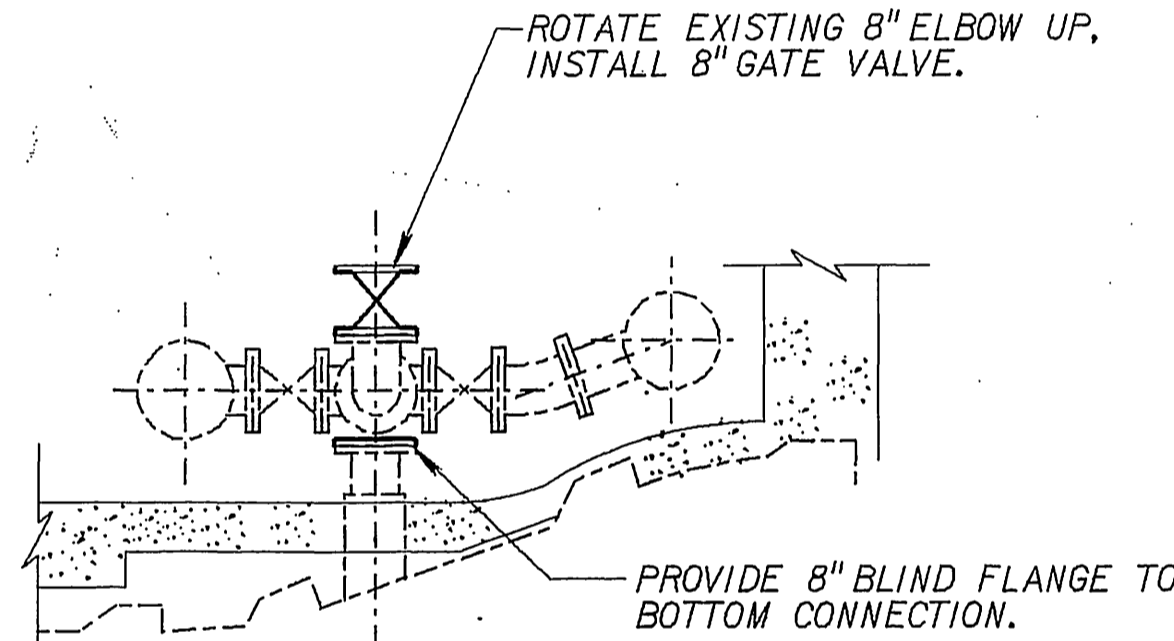
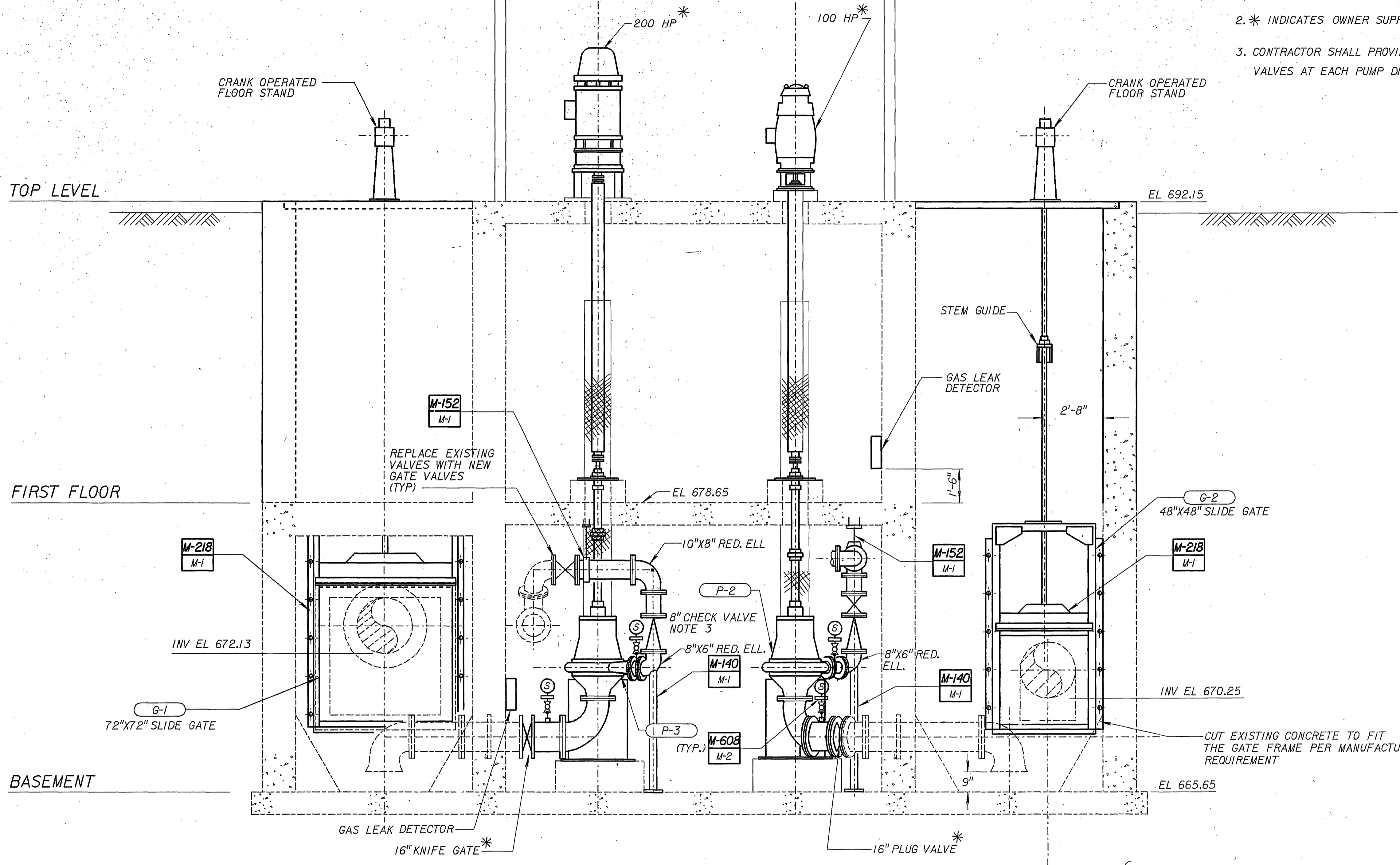
JOB No. 193.0452 FILE No. /usr5/prj/riverside/mec/plerm07.dgn

ENCLOSURE TOP

ACOUSTIC ENCLOSURE

NOTE.

1. CONTRACTOR SHALL FIELD ROUTE PIPING FOR UTILITY WATER AND PUMP SEALS SEE DETAIL M-906 M-2 PROVIDE SEPARATE BACKFLOW PREVENTER FOR SEAL WATER AND SUPPLY TO UTILITY WATER.
2. * INDICATES OWNER SUPPLIED ITEMS.
3. CONTRACTOR SHALL PROVIDE AND INSTALL OIL-CUSHIONED CHECK VALVES AT EACH PUMP DISCHARGE. (TYPICAL FOR 4)



SECTION 1
M-5



JOB NO.
S-1636

REV	DATE	BY	DESCRIPTION

SCALE: 3/8"=1'-0"

WARNING: IF THIS BAR DOES NOT MEASURE 1/2" THEN DRAWING IS NOT TO SCALE.

DESIGNED: *T.S. Koh*
 DRAWN: *T.S. Koh*
 CHECKED: *H. Mayang*

SUBMITTED: *Pooja Narasimhan* C-49471 S-23-94
 PROJECT ENGINEER R. C. E. NO. DATE

Surender Thakral C-44599 S-23-94
 MONTGOMERY WATSON R. C. E. NO. DATE



MONTGOMERY WATSON
Pasadena, California

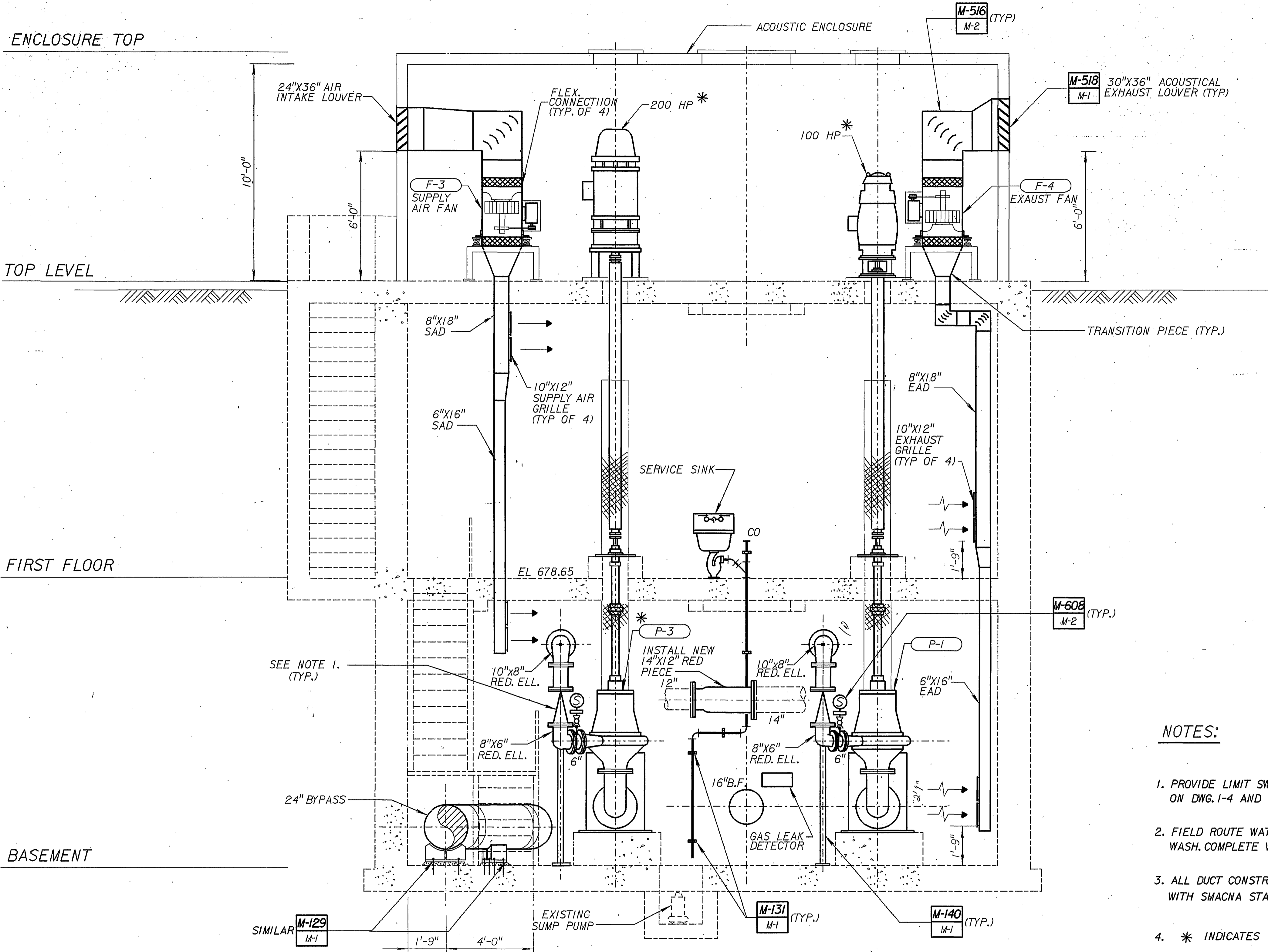
APPROVED _____ DATE _____
 SUPERVISING CIVIL ENGINEER
 APPROVED _____ DATE _____
 WATER SYSTEM MANAGER

CITY OF RIVERSIDE
 PIERCE STREET PUMP STATION UPGRADE
 PUMP STATION - SECTION I

SHEET
M-8
OF 44 SHEETS

INDEXED 1-31-05 lft

JOB NO. 193,0452 FILE NO. 1/18/05/pr/1/riverside/mec/plm08.dgn



NOTES:

1. PROVIDE LIMIT SWITCHES ON CHECK VALVES PER SPECIFICATION AND AS SHOWN ON DWG. 1-4 AND 1-5.
2. FIELD ROUTE WATER PIPING FOR THE SERVICE SINK AND EYE WASH. COMPLETE WITH PIPE SUPPORTS, AND PROVIDE BACKFLOW PREVENTER.
3. ALL DUCT CONSTRUCTION AND SUPPORTS SHALL BE IN CONFORMANCE WITH SMACNA STANDARDS.
4. * INDICATES OWNER SUPPLIED ITEMS.

SECTION 2
M-5



JOB NO.
S-1636

JOB No. 193-0452 FILE No. /ust5/pl /riverps/mec/plerm09.dgn

REV	DATE	BY	DESCRIPTION

SCALE: 3/8"=1'-0"
 WARNING: IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

DESIGNED: T.S. Cole
 DRAWN: T.S. Cole
 CHECKED: H. Mayang

SUBMITTED: *Ranjana Namuduri*
 PROJECT ENGINEER
 C-49471 5-23-94
 R. C. E. NO. DATE
 MONTGOMERY WATSON R. C. E. NO. DATE



MONTGOMERY WATSON
 Pasadena, California

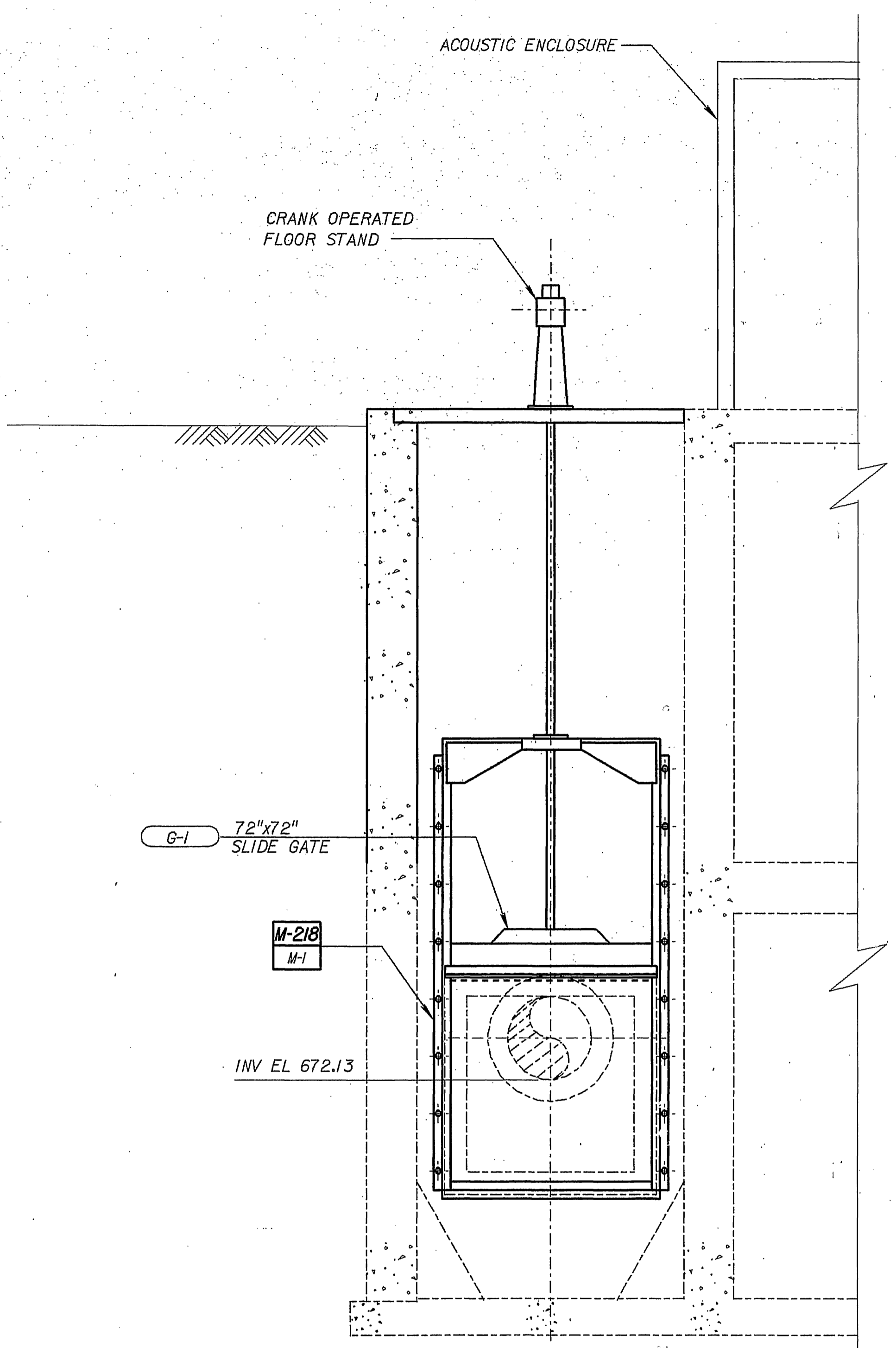
APPROVED: _____ DATE: _____
 SUPERVISING CIVIL ENGINEER
 APPROVED: _____ DATE: _____
 WATER SYSTEM MANAGER

CITY OF RIVERSIDE
 PIERCE STREET PUMP STATION UPGRADE
 PUMP STATION - SECTION 2

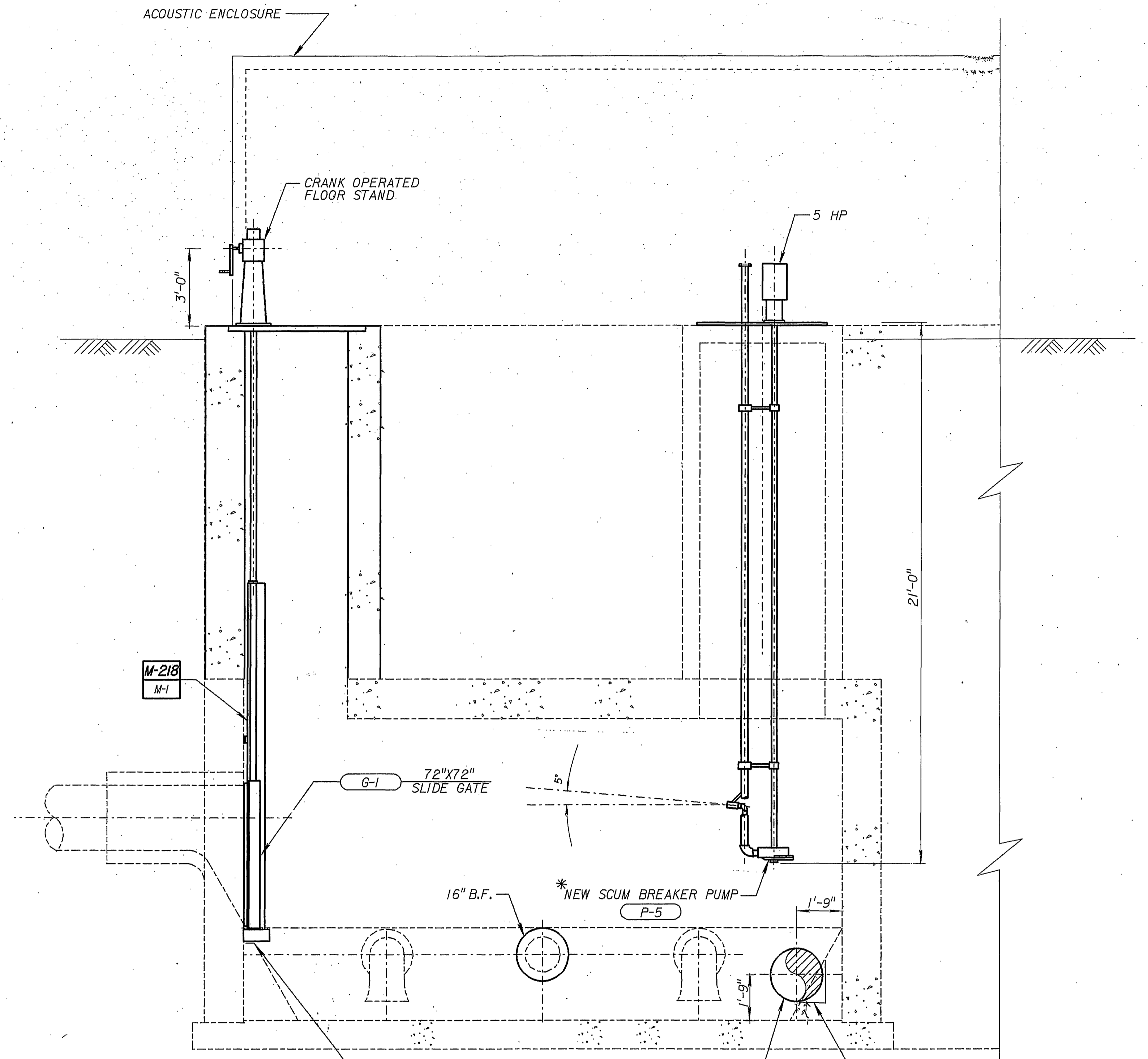
SHEET
M-9
 OF 44 SHEETS

INDEXED 1-31-05 Lft

JOB No. 193.0452 FILE No. /usr5/prj/riverside/mec/plerml0.dgn



SECTION 3
M-3



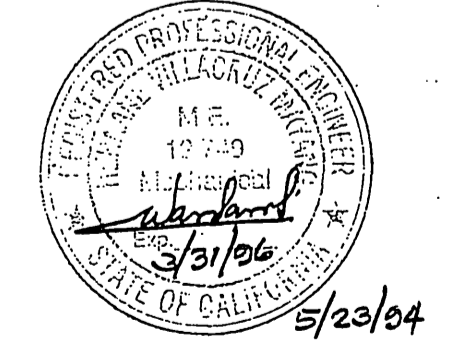
SECTION 4
M-3

* INDICATES OWNER SUPPLIED ITEM.

CUT EXISTING CONCRETE FILL TO FIT THE GATE FRAME PER MANUFACTURER'S REQUIREMENT

24" DIA. BYPASS

CUT EXISTING CONCRETE FILL TO FIT THE 24" DIA. BYPASS PIPE PENETRATION



JOB NO. S-1636

REV	DATE	BY	DESCRIPTION

SCALE: 3/8"=1'-0"
WARNING: IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

DESIGNED: T.S. Koh
DRAWN: T.S. Koh
CHECKED: H. Mayang

SUBMITTED: *[Signature]* C-49471 5-23-94
PROJECT ENGINEER R. C. E. NO. DATE
MONTGOMERY WATSON R. C. E. NO. DATE



APPROVED: _____ DATE _____
SUPERVISING CIVIL ENGINEER
APPROVED: _____ DATE _____
WATER SYSTEM MANAGER

CITY OF RIVERSIDE
PIERCE STREET PUMP STATION UPGRADE
PUMP STATION - SECTION 3 AND SECTION 4

SHEET M-10 OF 44 SHEETS

INDEXED 1-31-05 4H