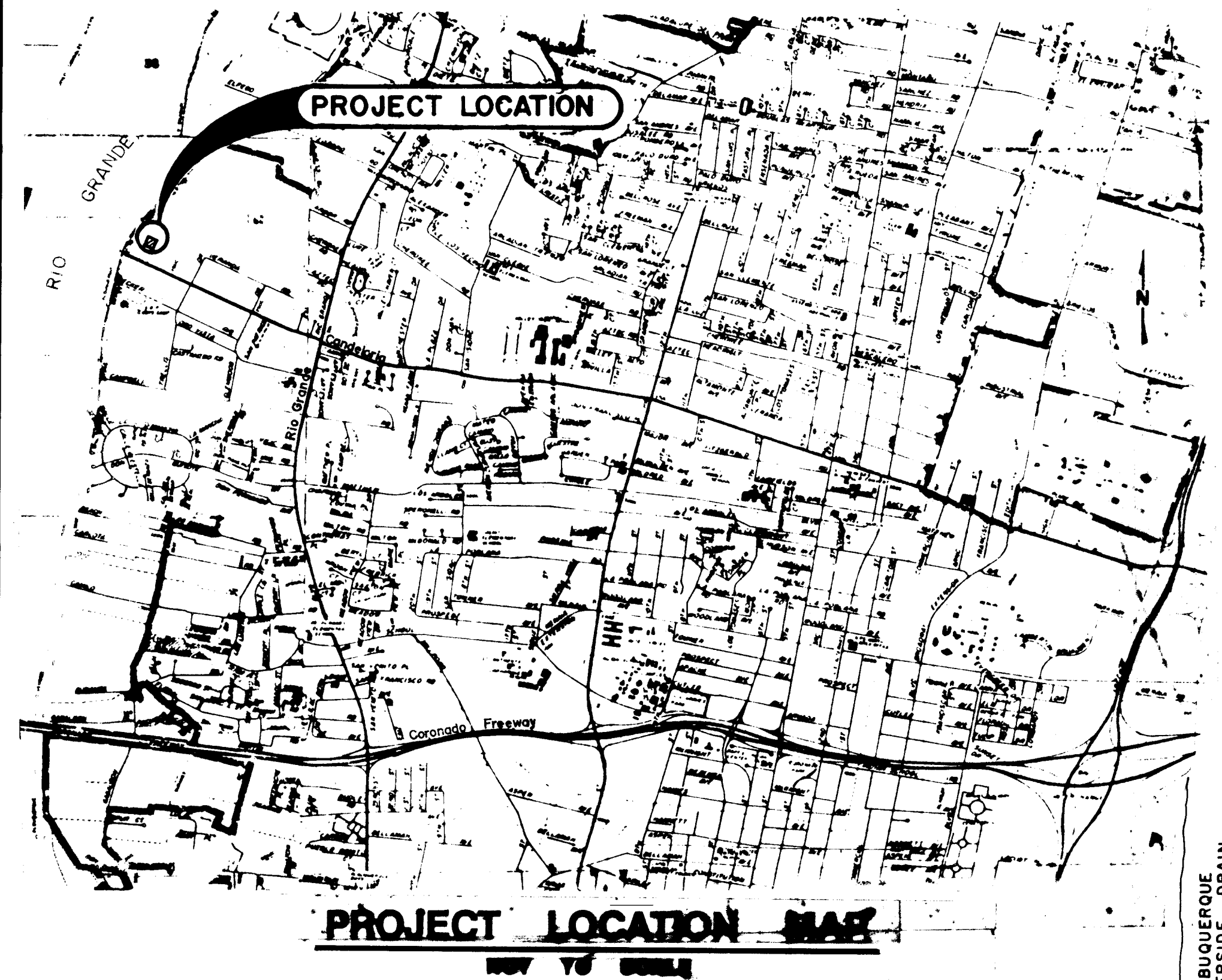


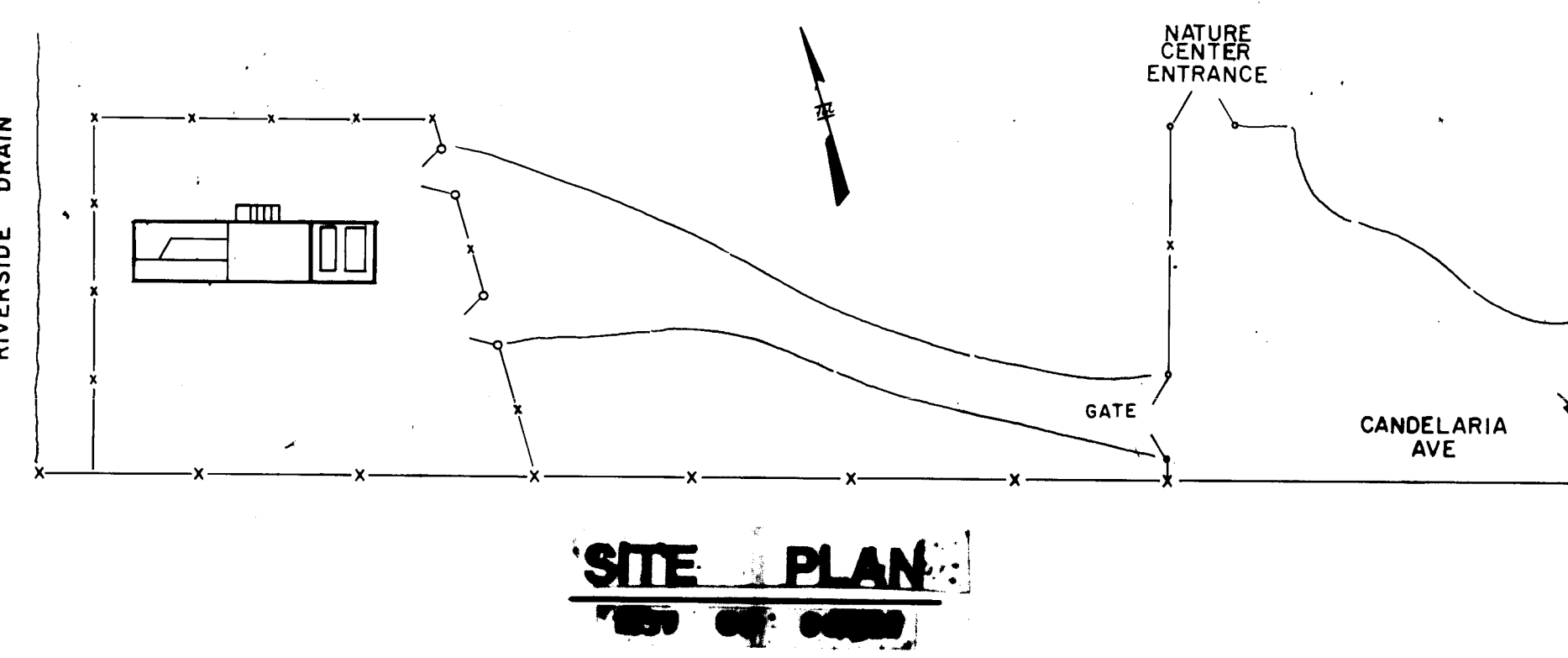
CITY OF ALBUQUERQUE, NEW MEXICO
PUBLIC WORKS DEPARTMENT

NOTES
ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE C.O.A. STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION - 1986 EDITION (REFERRED TO HEREIN AS THE STANDARD SPECIFICATIONS).

CANDELARIA STORM WATER
PUMP STATION NO. 40
BAR SCREEN REPLACEMENT

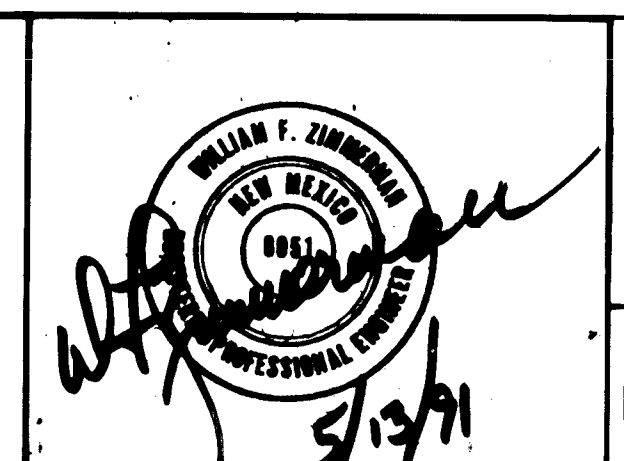
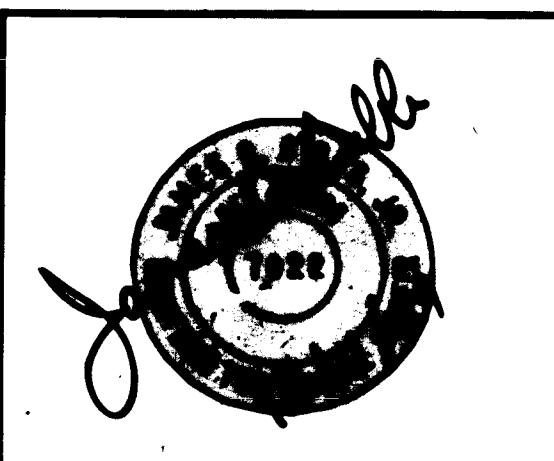


INDEX	
Sheet No.	Description
1	Cover Sheet and Index Project Map and General Notes
2	Removal Details
3	Installation Details
4	Miscellaneous Details
5	Electrical Plan & Control Diagram
6	Miscellaneous Electrical

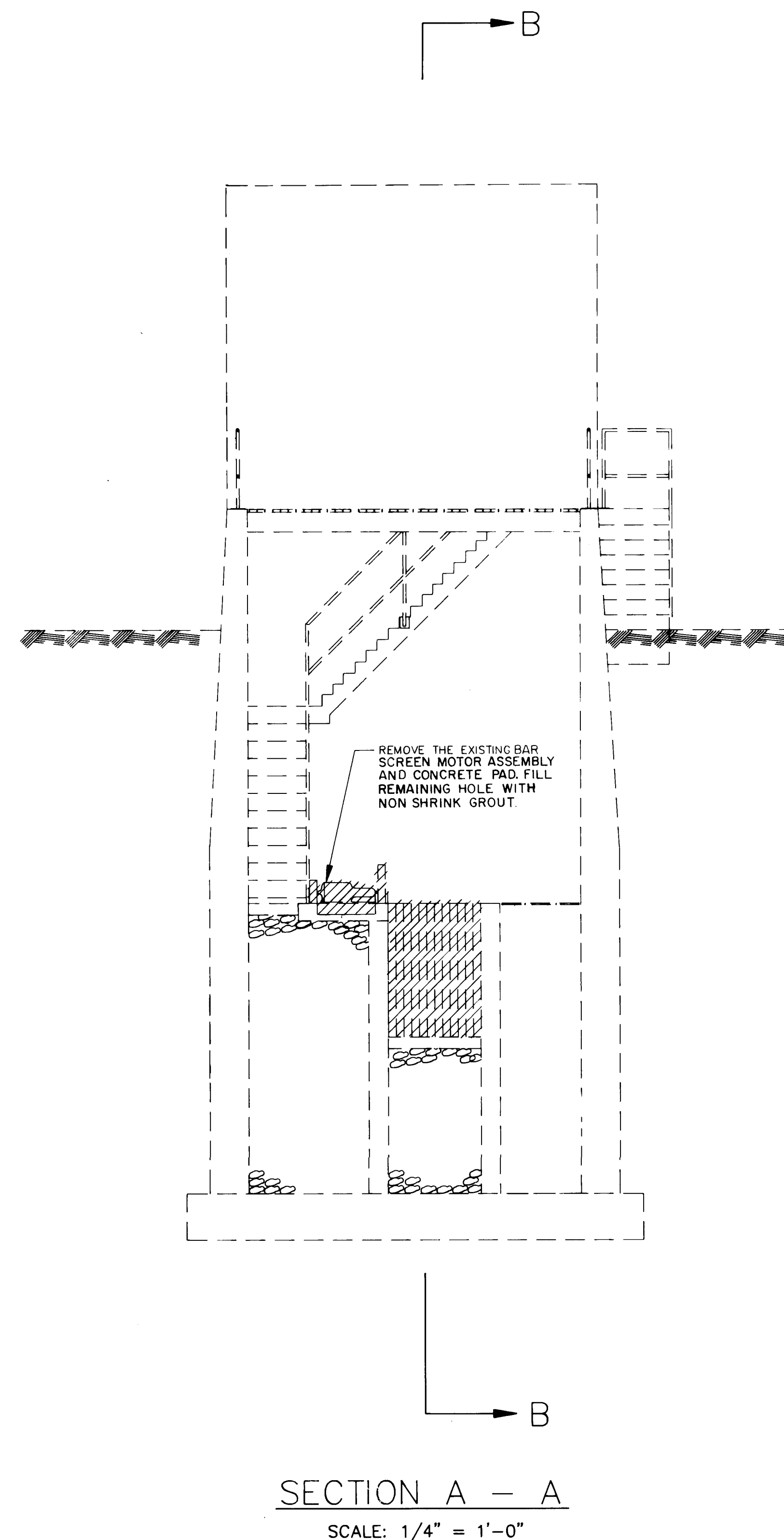
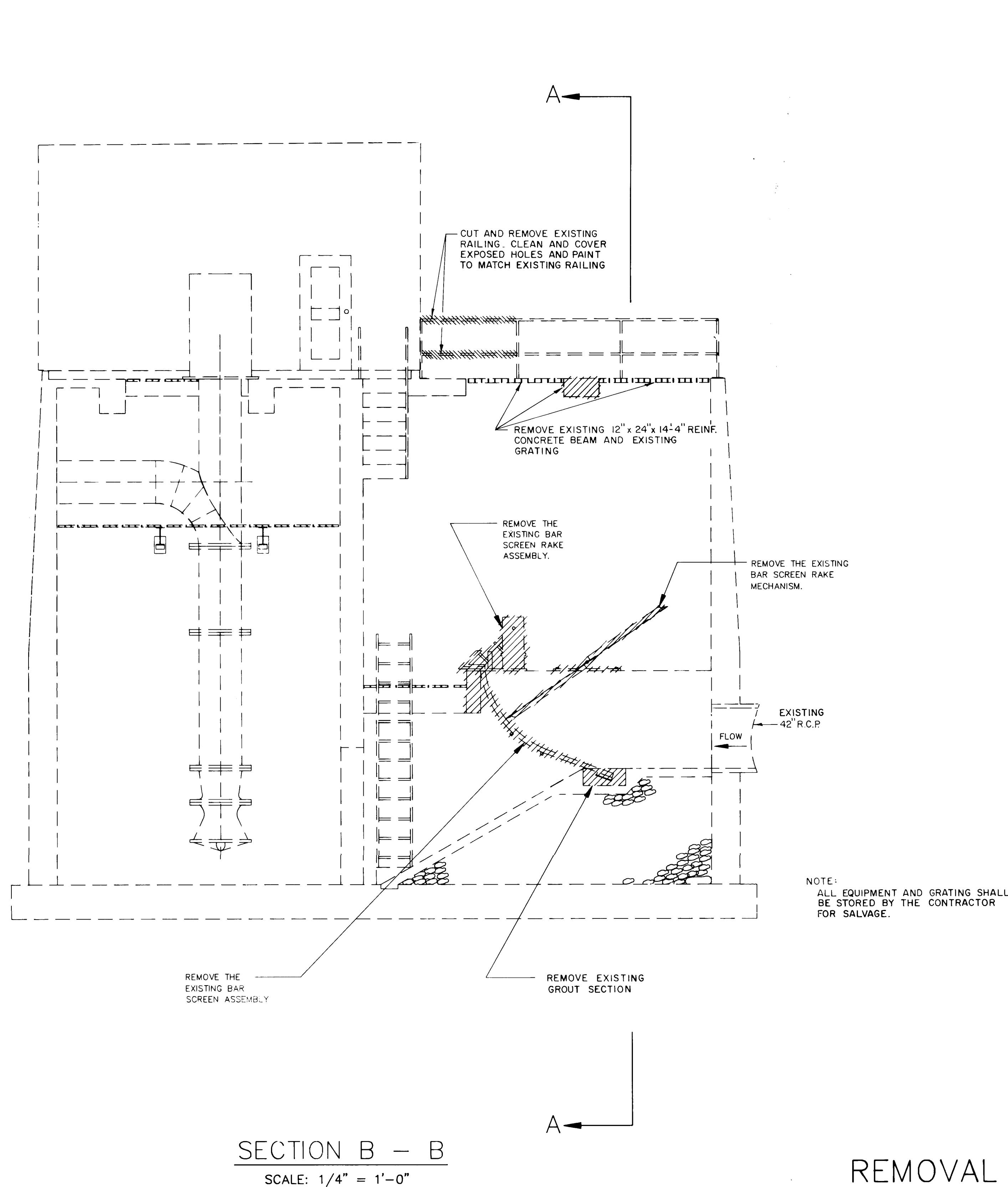


26 389 00192

REV	SHEETS	CITY ENGR.	DATE	USER DEPT.	DATE	USER DEPT.	DATE
APPROVAL OF REVISIONS							



WILSON & COMPANY
ALBUQUERQUE, NEW MEXICO
PROJECT No. 3890
SHEET 1 OF 1
APPROVED FOR CONSTRUCTION
5-16-91



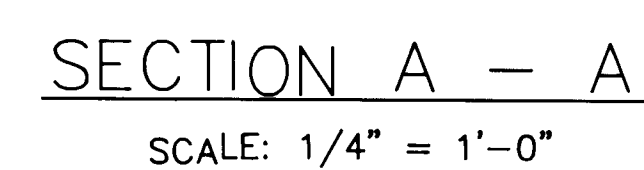
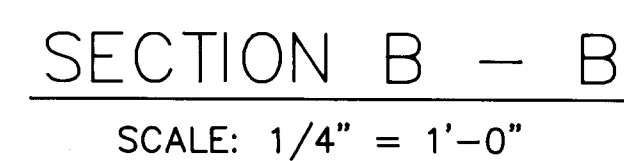
REMOVAL DETAILS

26 38900292

RECORD DRAWING
DATE 5-21-92

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT					
EQUIPMENT REMOVAL CANDELARIA PUMP STATION BAR SCREEN REPLACEMENT					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	5/21/92	Liquid Waste	N/A RWK	4-30-90
A.C.E.-Design	<i>[Signature]</i>	4/19/90	Traffic	N/A DWK	5/1/90
A.C.E.-Hydrology	<i>[Signature]</i>	4/19/90	Water	N/A RWK	4-30-90
DRAWING NO.	3890	MAP NO.	6-12N	SHEET	2 OF 6

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES		STA. D-203		CONTRACTOR Albuquerque Underground	
		NO.	BY	ELEV. = 4367.92		WORK BY	DATE
REVISIONS		DATE		A SQUARE 'D' CUT IN THE TOP OF THE CURB		INSPECTORS	DATE
DESIGN		10/89		AT THE ESE CURB RETURN. LOCATED ON		FIELD	DATE
FDD		10/89		SOUTH SIDE OF CANDELARIA ROAD AT A		DRAWINGS	DATE
W/FZ		10/89		PRIVATE DRIVE ENTRANCE APPROXIMATELY		CORRECTED BY	DATE
				900 FEET WEST OF RIO GRANDE BVD.		MICRO-FILM	INFORMATION
						RECORDED BY	DATE
						NO	



		ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
				FIELD NOTES				CONTRACTOR <i>Albuquerque Underground</i>	
				NO.		BY		DATE	
								WORK	
								STAINED BY <i>Albuquerque Underground</i> DATE <i>2-92</i>	
								ACCEPTANCE BY <i>A. Olsback</i> DATE <i>4-92</i>	
								FIELD	
								REVISIONS	
								CORRECTED BY <i>Wilson & Co.</i> DATE <i>5-92</i>	
								MICRO-FILM INFORMATION	
								RECORDED BY	
								DATE	
								NO	

MOORE BEAVER
MIL 5-21-92

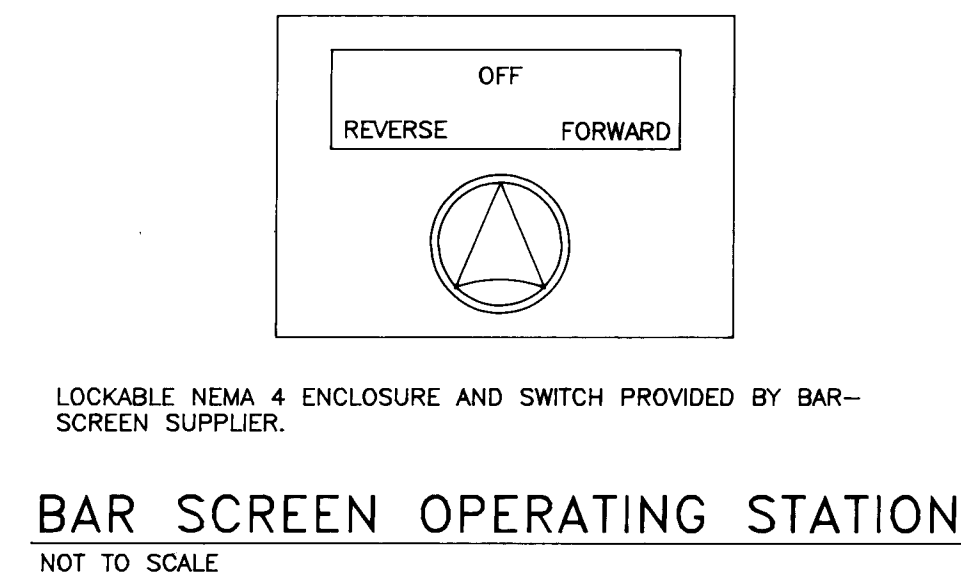
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

EQUIPMENT INSTALLATION

CANDELARIA PUMP STATION BAR SCREEN REPLACEMENT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	4-2-90	Liquid Waste	N/A RWK	4-30-90
A.C.E. Design	<i>[Signature]</i>	4-2-90	Traffic	N/A DWH	5-11-90
A.C.E.-Hydrology	<i>[Signature]</i>	4/19/90	Water	N/A RWK	4-30-90

DRAWING NO.	3890	MAP NO.	G-12N	SHEET	3	OF	6
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[illegible]

K E Y E D N O T E S

1. DISCONNECT AND REMOVE ALL CONDUIT, WIRING, AND CONNECTIONS TO EXISTING RAKE AND ITS CONTROLS. PROVIDE NEW CONDUIT WIRING AND CONNECTIONS TO NEW BAR SCREEN. REUSE EXISTING CONDUIT FOR FEEDER TO BAR SCREEN MOTOR WHERE FEASIBLE; INSTALL NEW CONDUCTORS PER ONE LINE DIAGRAM.
2. ADJUST LOCATION OF EXISTING PUMP CONTROL PANEL AND INSTALL NEW BAR SCREEN CONTROL PANEL.
3. 3/4" C. WITH 3 #14 (BAR SCREEN REMOTE CONTROL) TO NEW BAR SCREEN CONTROL PANEL.
4. REMOTE CONTROL STATION FOR BAR SCREEN. SEE SWITCH ELEVATION THIS SHEET.
5. LOCAL CONTROL STATION AND CONNECTION TO J-BOX BY BAR SCREEN SUPPLIER.
6. 6 #14, 3/4" C. TO NEW BAR SCREEN CONTROL PANEL.
7. JUNCTION BOX SHALL BE APPLETON WLF SERIES. DIMENSIONS 12" X 6" X 4" MOUNTING LUGS, TWO TAPPED MOUNTING, BUTTONS INSIDE, SINGLE 1/2" TAPPED HOLE IN 12" LONG TOP, AND THREE 1/2" TAPPED HOLES IN 12" LONG BOTTOM. TERMINAL BLOCK INSTALLED IN JUNCTION BOX SHALL BE SQUARE-D CLASS 9080 WITH SEVEN TYPE GAG FLAT TERMINAL CONNECTORS SUITABLE FOR RING OR SPADE CONNECTORS AND ONE #6GB LND BARKIE INSTALLED ON SNAP-OFF CHANNEL. SNAP-OFF CHANNEL SHALL BE INSTALLED ON TAPPED MOUNTING BUTTONS.
8. 14#14, 1" C. TO TELEMETRY CABINET. DO NOT TERMINATE AT TELEMETRY CABINET.
9. NEMA 4X, STAINLESS STEEL, NON-FUSIBLE SAFETY SWITCH, 600V, SQUARE "D" CATALOG #HU3610S. MOUNT ADJACENT LOCAL CONTROL SWITCH.



RECORDS DEPARTMENT
MAY 5-21-92

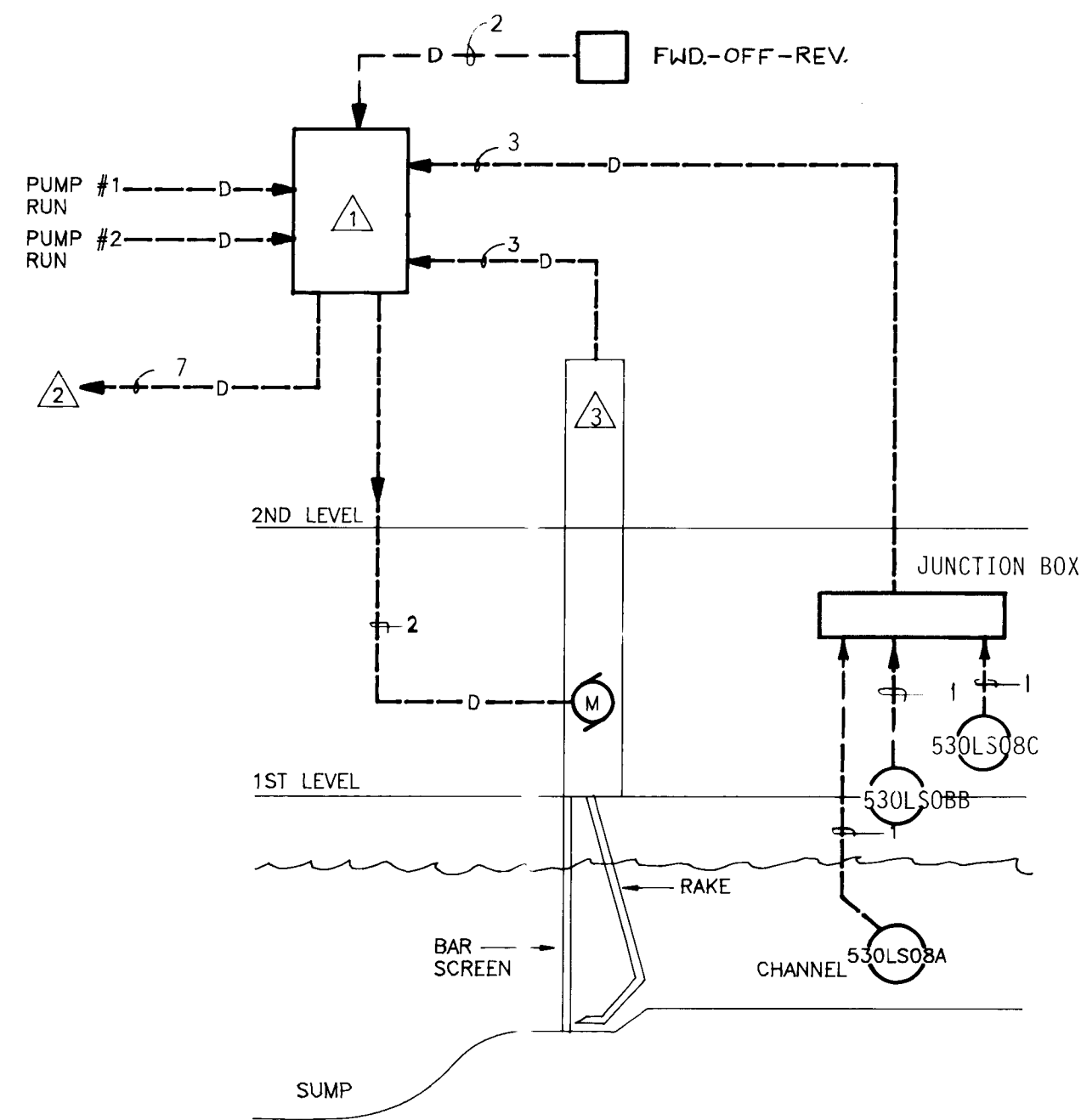
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

ELECTRICAL PLAN & CONTROL DIAGRAM

BAR SCREEN REPLACEMENT
ALBUQUERQUE - PHASE II PUMP STATION REHABILITATION

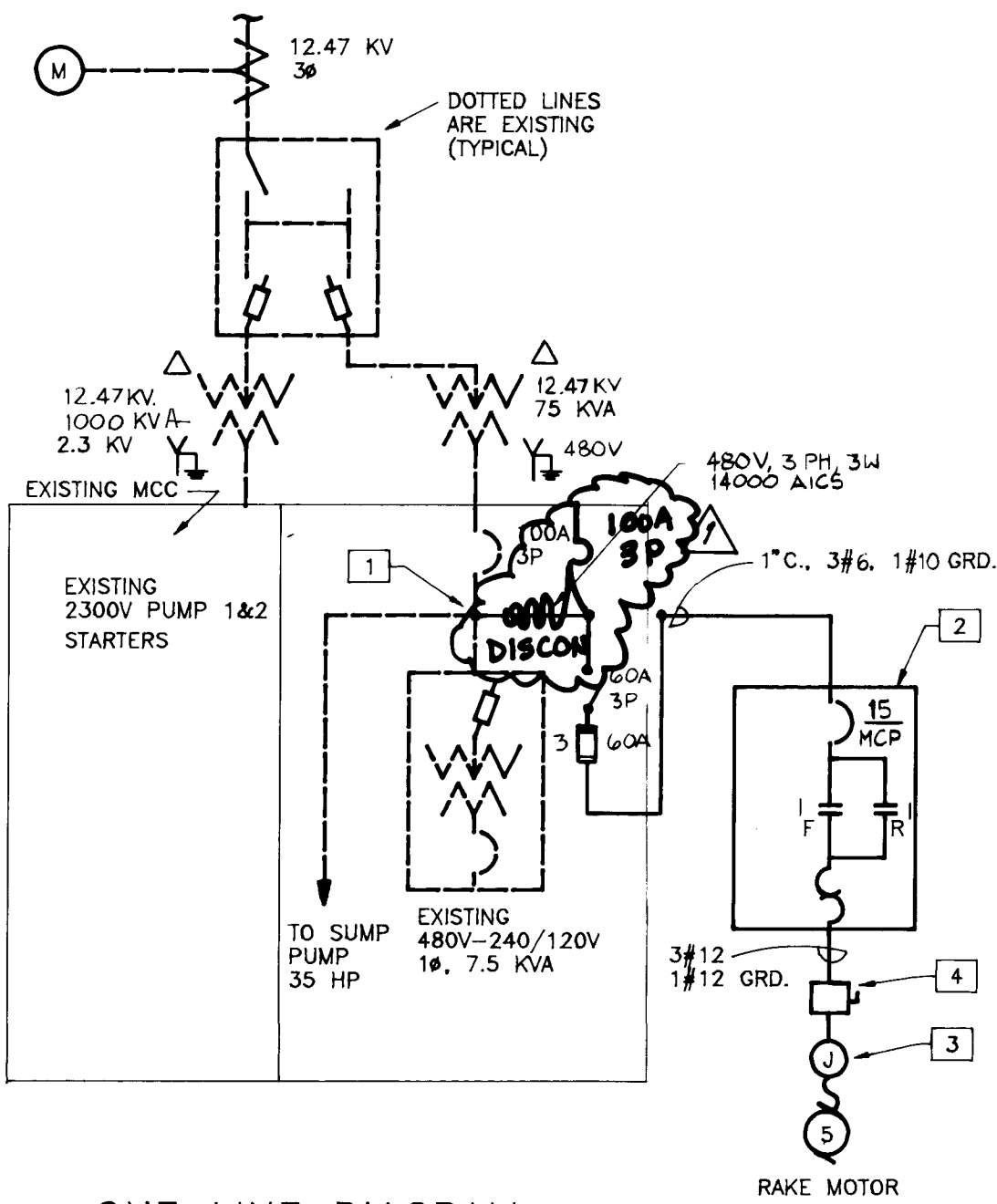
DRAWING NO. 3890	MAP NO. G-12N	SHEET 5	OF 6
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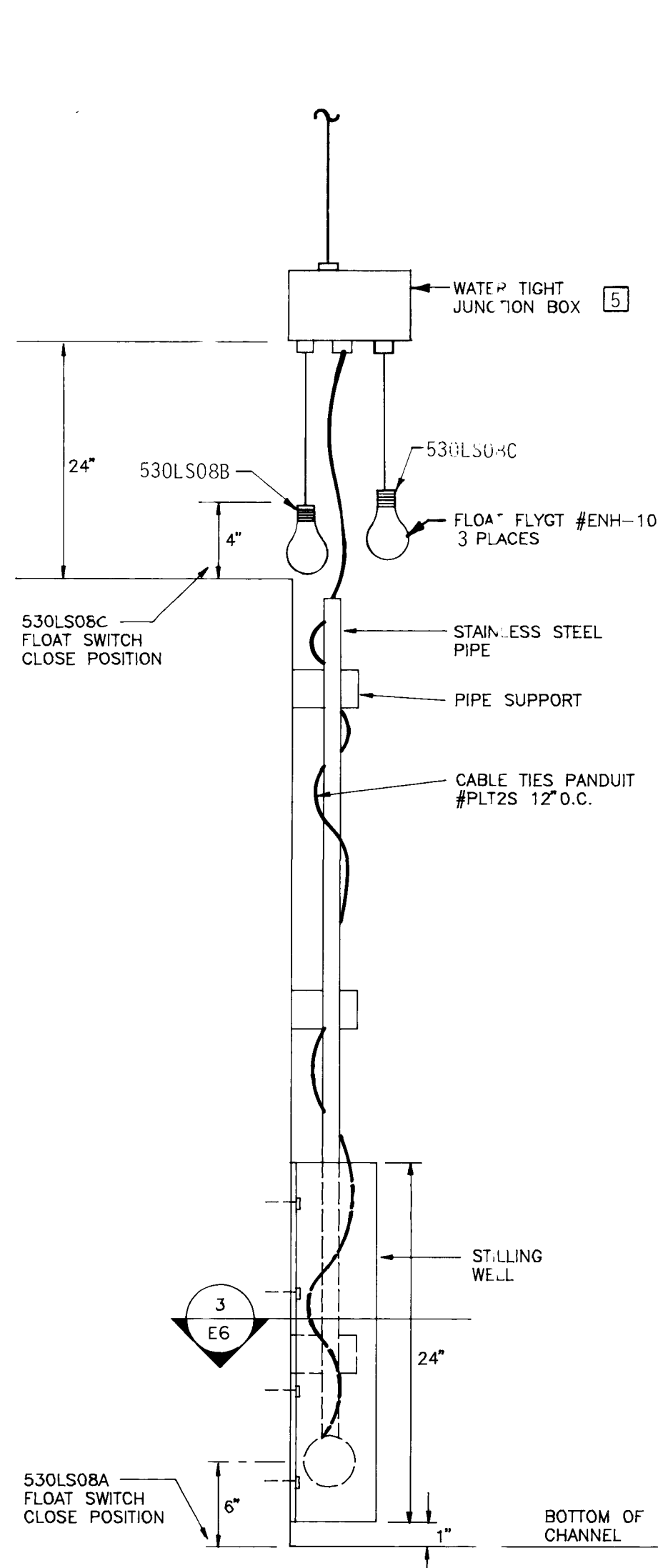
CLIMBER SCREEN P & ID
NOT TO SCALE

1. CLIMBER SCREEN CONTROLS SHALL OPERATE AS FOLLOWS:
- IN AUTO, THE CLIMBER SCREEN SHALL OPERATE CONTINUOUSLY UNDER THE FOLLOWING CONDITIONS:
 - PUMP #1 OR #2 IS RUNNING;
 - CHANNEL HIGH LEVEL (530LS08A);
 - CHANNEL HIGH-HIGH LEVEL WILL BE SENSED BY 530LS08B FOR AN ALARM CONDITION.
 - CLIMBER SCREEN SHALL STOP UNDER THE FOLLOWING CONDITIONS:
 - PUMP #1 AND #2 STOP AND 530LS08A BELOW HIGH LEVEL;
 - CHANNEL DIP LEVEL SHUT-DOWN TO STOP SCREEN IN EITHER HAND OR AUTO MODE (530LS08C).
 - THE CLIMBER SCREEN SHALL OPERATE ONCE A DAY, EACH OPERATION SHALL BE ADJUSTABLE BETWEEN 0 TO 4 PASS CYCLES PER DAY.
 - THE HAND-OFF-AUTO SWITCH (530HS08) SHALL PROVIDE LOCAL CONTROL OF THE CLIMBER SCREEN THROUGH A REVERSE-OFF-FORWARD SWITCH.
2. THE CLIMBER SCREEN CONTROLS SHALL BE PROVIDED WITH A N.O. DRY CONTACT OUTPUT FOR THE FOLLOWING:
- CLIMBER SCREEN IN AUTOMATIC (530HS08);
 - CLIMBER SCREEN OFF/RUNNING (530MI08);
 - CLIMBER SCREEN NORMAL/ALARM (530AS08);
 - CLIMBER SCREEN START ON HIGH LEVEL (530LS08A);
 - CHANNEL HIGH-HIGH LEVEL (530LS08B);
 - CHANNEL DIP LEVEL SHUT DOWN ALARM (530LS08C);
 - REMOTE ALARM (COMBINED).
3. THE CLIMBER SCREEN SHALL ALSO INCLUDE THE FOLLOWING:
- END OF TRAVEL LIMIT SWITCH TO STOP THE RAKE MOTOR AT THE HIGHEST POINT.
 - TORQUE OVERLOAD SWITCH TO ENABLE THE RAKE TO STOP IN CASE OF A BAR SCREEN JAM.
 - REVERSE LIMIT SWITCH TO PREVENT THE RAKE REVERSE TRAVEL AFTER PASSING THE WIPER. REVERSE TRAVEL WILL BE ALLOWED WHEN THE RAKE HAS PASSED THE END OF TRAVEL LIMIT SWITCH.

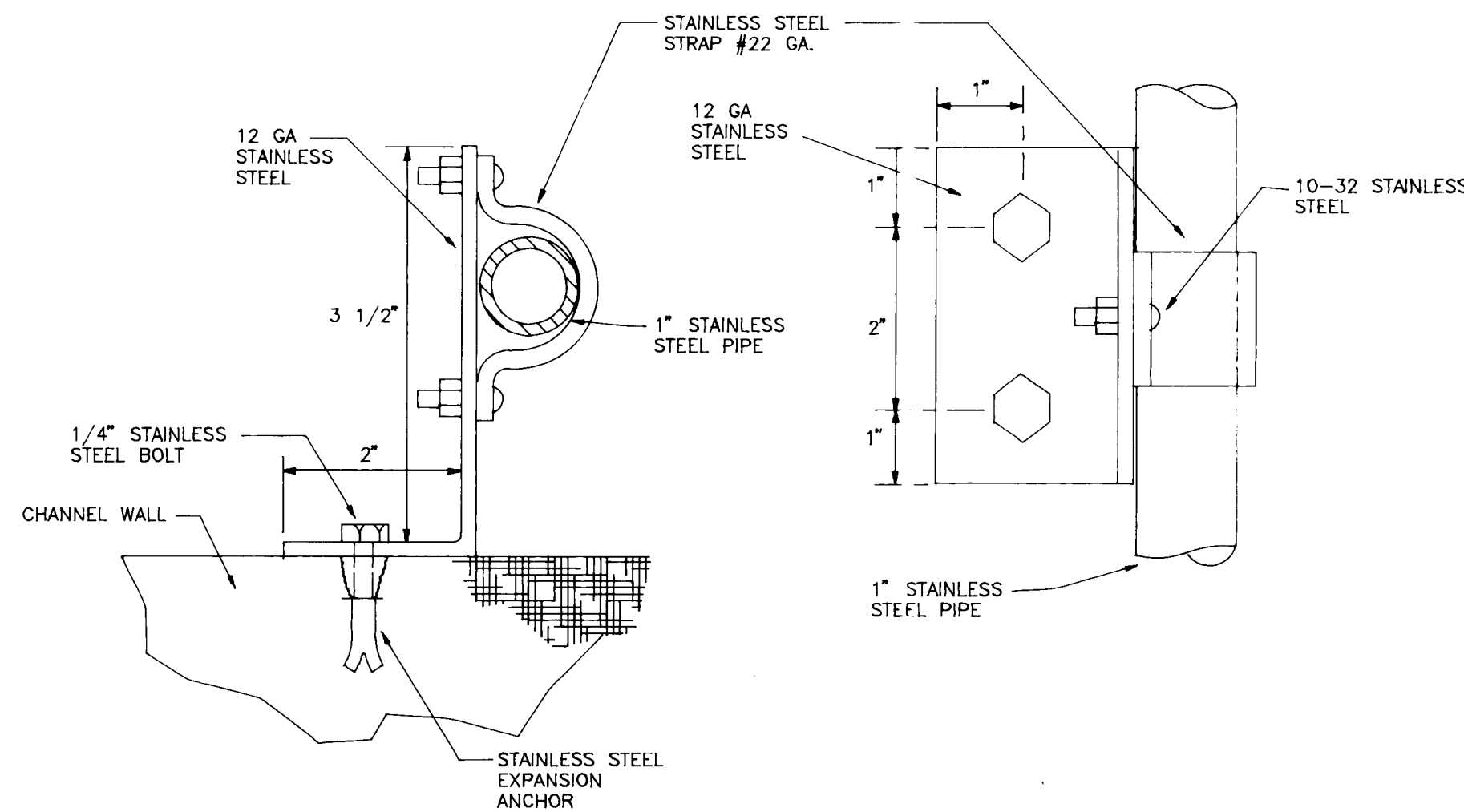


NOTES

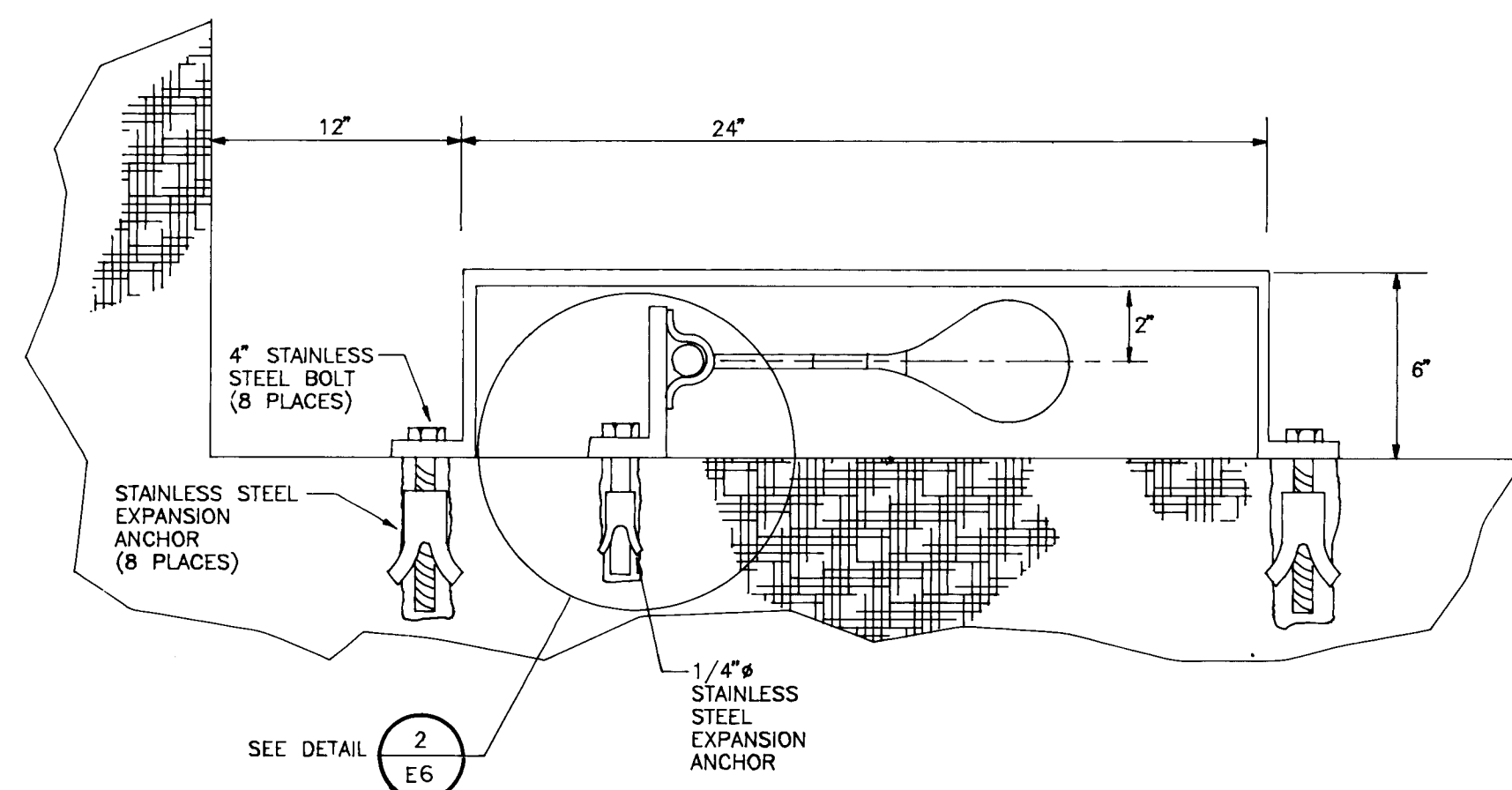
- CONNECT CLIMBER SCREEN FEEDER AS SHOWN
- CLIMBER SCREEN COMBINATION REVERSING FULL VOLTAGE MAGNETIC STARTER, NEMA SIZE 1, INCLUDED IN CONTROL PANEL SUPPLIED BY CLIMBER SCREEN MANUFACTURER.
- JUNCTION BOX BY CLIMBER SCREEN SUPPLIER, MOUNTED ON SCREEN.
- NEMA 4X STAINLESS STEEL NON-FUSIBLE SAFETY SWITCH SQUARE D CAT. NO. HU36IDS.
- REFER TO KEYED NOTE 7 ON SHEET 5 OF 6 FOR JUNCTION BOX DESCRIPTION.



1 E6
DETAIL FLOAT SWITCH
NOT TO SCALE



2 E6
PIPE SUPPORT DETAIL
NOT TO SCALE



3 E6
STILLING WELL DETAIL
NOT TO SCALE

SYMBOL LEGEND-ONE LINE DIAGRAM AND CLIMBER SCREEN P & ID	
SYMBOL	DESCRIPTION
---	EXISTING UNLESS OTHERWISE SPECIFIED
⎓	CIRCUIT BREAKER
⎓R	FULL VOLTAGE MAGNETIC REVERSING STARTER
⎓R	OVERLOAD RELAY
⎓R	JUNCTION BOX
⎓R	ELECTRIC MOTOR HP AS INDICATED
P & ID	PROCESS AND INSTRUMENTATION DIAGRAM
⎓R	ON-OFF DISCRETE SIGNAL, QUANTITY SHOWN
530WS08	REMOTE MOUNTED DEVICES
⎓R	ELECTRIC MOTOR BY CLIMBER SCREEN MANUFACTURER

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RECORD DRAWING
5-21-92

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

MISCELLANEOUS ELECTRICAL

BAR SCREEN REPLACEMENT
ALBUQUERQUE - PHASE II PUMP STATION REHABILITATION

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	Robert J. Smith	5/1/92	Liquid Waste	N/A	RWK 4-30-90
A.C.E.-Design	John A. Smith	5/1/90	Traffic	N/A	DWH 5/1/90
A.C.E.-Hydrology	John A. Smith	4/1/90	Water	N/A	RWK 4-30-90

DRAWING NO.	3890	MAP NO.	G-12N	SHEET	6	OF	6
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WILSON & COMPANY
ENGINEERS & ARCHITECTS
ALBUQUERQUE NEW MEXICO

86-532