

CITY OF ALBUQUERQUE, NEW MEXICO
PUBLIC WORKS DEPARTMENT

STORM WATER PUMPING STATIONS
REHABILITATION OF
PHASE II

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For permit only.

CODE DESIGN DATA
Occupancy Group B-4
Type of Construction 5-N
Area of Each Floor 512 ft²
Occupant Load 1
Seismic Zone 2B
Soil Bearing Capacity 1500 #/sf
Concrete Strength 4000 psi
Stress Values:
Lumber N/A Steel 60,000 psi
Wind Design Load 25 #/sf
Roof Design Load 48 #/sf
Floor Design Load N/A (EXISTING FLOOR)
Ceiling Design Load N/A
Alt. Bldg. Code 301(d)

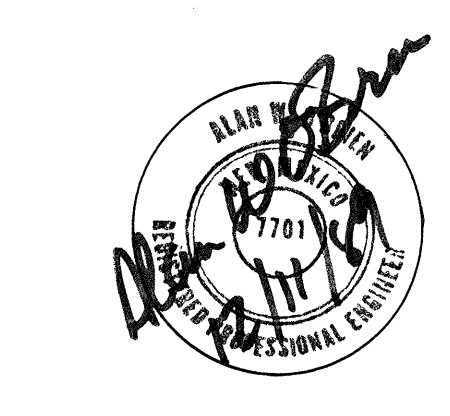
NOTES
ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE C.O.A. STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION - 1986 EDITION (REFERRED TO HEREIN AS THE STANDARD SPECIFICATIONS).
TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES
PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.
WATER SYSTEMS DIVISION SHALL BE THE ONLY AUTHORIZED PERSONNEL TO OPERATE EXISTING VALVES, FIRE HYDRANTS, ETC. ALL WORK SHUTOFFS MUST BE COORDINATED WITH SAID DIVISION THREE (3) FULL WORKING DAYS PRIOR TO PROPOSED SHUTOFFS. WATER SYSTEMS DIVISION SHALL HAVE THE AUTHORITY TO CANCEL ALL SCHEDULED SHUTOFFS AND SHALL BE SUBJECT TO APPROVAL BY WATER SYSTEMS DIVISION. CONTACT AT 823-4200.
ALL TRAFFIC CONTROL DEVICES SHALL COMPLY WITH THE CURRENT EDITION OF MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES.
ALL WORK SHALL CONFORM TO THE CITY OF ALBUQUERQUE'S STANDARD DETAILS EXCEPT AS OTHERWISE NOTED.

Info for

ALBUQUERQUE
CODE ADMIN.
JAN 11 1990
U.B.C.
PLAN CHECK
SECTION

CHECK SET
DEC 12 1989

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

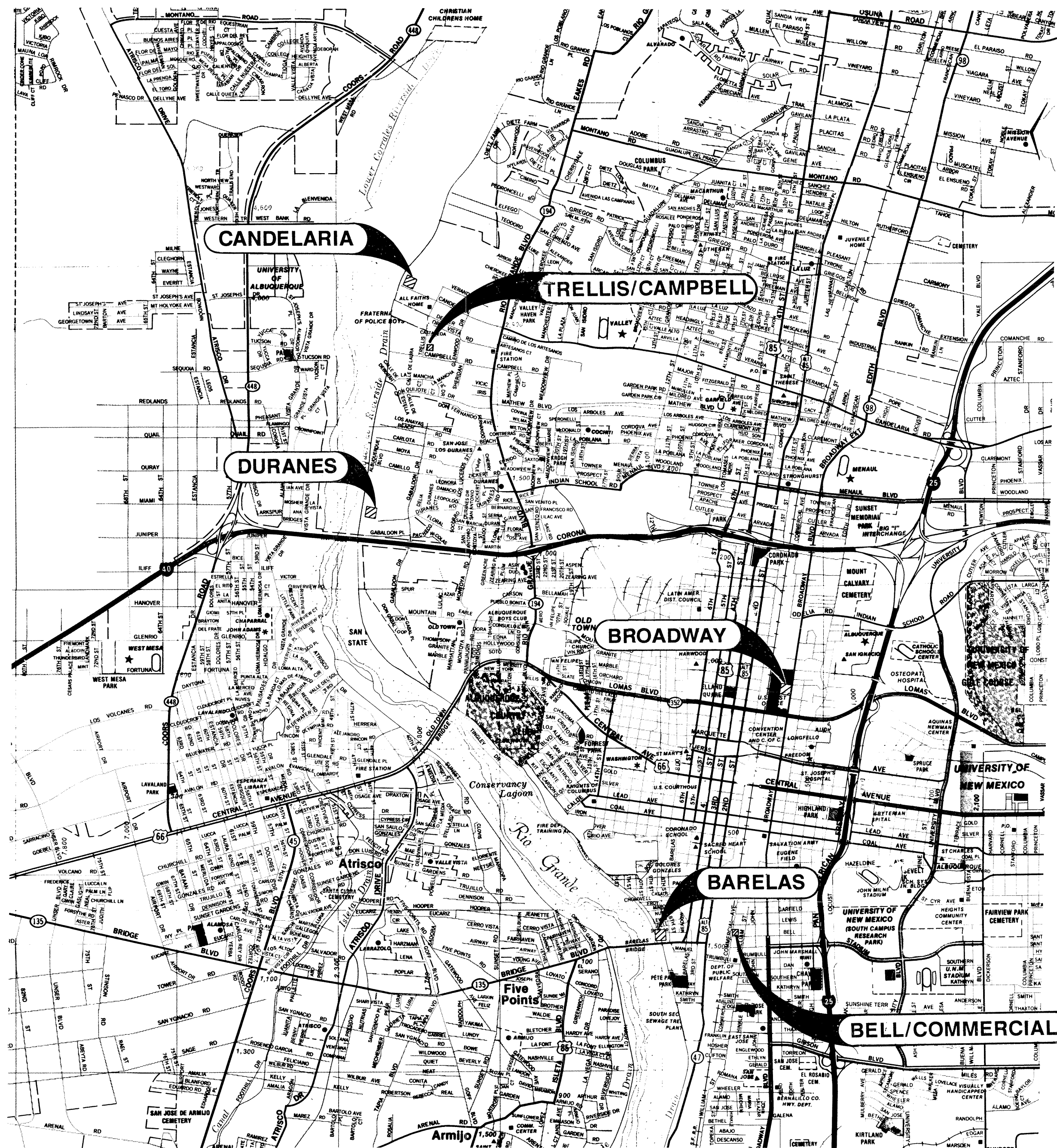


WILSON & COMPANY
ALBUQUERQUE, NEW MEXICO

PROJECT No. 3077

APPROVED FOR CONSTRUCTION

SHEET 1 OF 16



PUMP STATION LOCATION MAP

Not to Scale

GENERAL NOTES

1. A DISPOSAL SITE, COMPLYING WITH ALL CITY ORDINANCES, SHALL BE OBTAINED BY THE CONTRACTOR FOR THE DISPOSAL OF ALL EXCESS EXCAVATION MATERIAL, ASPHALTIC MATERIAL AND OTHER WASTE MATERIALS. THE CONTRACTOR SHALL NOTIFY THE CITY OF ALBUQUERQUE OF THE LOCATION OF THE DISPOSAL SITE PRIOR TO THE REMOVAL AND ACTUAL DISPOSAL OF THE MATERIAL. ALL COSTS IN OBTAINING A DISPOSAL SITE AND HAUL THERE TO SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO DIRECT PAYMENT WILL BE MADE THEREFOR.
2. THE CONTRACTOR SHALL CONFINE HIS WORK TO WITHIN THE CONSTRUCTION LIMITS AND/OR RIGHTS-OF-WAY TO PRESERVE EXISTING VEGETATION AND PRIVATE PROPERTY. OVERNIGHT PARKING OF CONTRACTOR'S EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAY OPENINGS OR DESIGNATED TRAFFIC LANES. THE CONTRACTOR SHALL PROVIDE ACCESS TO PRIVATE PROPERTY AT ALL TIMES.
3. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELING PEDESTRIAN TRAFFIC AROUND ALL WORK AREAS THROUGHOUT THE CONSTRUCTION PERIOD.
4. THE CONTRACTOR SHALL MAINTAIN AND KEEP OPEN ONE ACCESS TO LOCAL BUSINESSES AT ALL TIMES.
5. ALL TRAFFIC CONTROL DEVICES REQUIRED FOR DRIVEWAY CLOSURES, UTILITY CONSTRUCTION OR OTHER REASONS SHALL BE FURNISHED BY THE CONTRACTOR AND SHALL BE INCIDENTAL TO OTHER ITEMS OF WORK AND NO SEPARATE PAYMENT WILL BE MADE THEREFOR.
6. ALL TRAFFIC CONTROL SIGNS MUST BE INSTALLED BEFORE CONSTRUCTION BEGINS FOR EACH PHASE OF THE WORK AS DIRECTED BY THE FIELD ENGINEER. ALL SIGN LOCATIONS WILL BE SELECTED IN THE FIELD AND APPROVED BY THE FIELD ENGINEER.
7. TRAFFIC CONTROL - THREE (3) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION CO-ORDINATOR A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION CO-ORDINATOR. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION.
8. THE LOCATIONS OF ALL EXISTING UTILITIES, AS SHOWN ON THE DRAWINGS, ARE APPROXIMATE LOCATIONS. PRIOR TO CONSTRUCTION OF EACH PHASE OF WORK, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.
9. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES BY CALLING "BLUESTAKES" AT 765-1234 TWO (2) WORKING DAYS PRIOR TO COMMENCING WORK IN ANY PART OF THE PROJECT AREA.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING UTILITIES FOR ANY ADJUSTMENT OR RELOCATION OF EXISTING UTILITIES DURING OR AS A RESULT OF CONSTRUCTION.
11. THE CARE AND PROTECTION OF ALL OTHER UTILITIES, CURB AND GUTTER, SIDEWALK, AND OTHER STREET APPURTENANCES THAT ARE NOT A PART OF THE INTENDED WORK AS SHOWN ON PLANS ARE THE RESPONSIBILITY OF THE CONTRACTOR. IF DAMAGED, LOST IN TRENCH OR OTHERWISE HARMFULLY DISTURBED, THESE ITEMS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING AND MAINTAINING IN SERVICE ALL EXISTING UTILITIES. CONTRACTOR IS TO EXERCISE DUE CARE TO AVOID DISTURBING ANY EXISTING UNDERGROUND UTILITIES.
13. WHEN IN THE OPINION OF THE ENGINEER, FIELD CONDITIONS REQUIRE THE RELOCATION OF EXISTING UTILITY LINES, THE ENGINEER SHALL DIRECT THE CONTRACTOR TO RELOCATE THE SAME.
14. THE CONTRACTOR SHALL NOTIFY WATER SYSTEMS DIVISION AND THE FIRE DEPARTMENT AT LEAST 2 WORKING DAYS IN ADVANCE OF WHEN FIRE HYDRANTS WILL BE TAKEN OUT OF SERVICE AND RETURNED TO SERVICE.
15. WHEN REMOVAL OF EXISTING CURB AND CUTTER OR SIDEWALK IS REQUIRED, REMOVE BACK TO NEAREST JOINT.

AS BUILT INFORMATION	
CONTRACTOR	
WORK STARTED BY	DATE
FIELD ACCEPTANCE BY	DATE
FIELD INFORMATION BY	DATE
DRAWINGS CORRECTED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS

SURVEY INFORMATION

ENGINEER'S SEAL

REMARKS

NO.

DATE

BY

DESIGN

A.O.B.

P.A.S.

W.F.Z.

DESIGNED BY

DRAWN BY

CHECKED BY

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

ALBUQUERQUE
CODE ADMIN.
JAN 11 1990
U.C.
PLAN CHECK
SECTION

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

PROJECT LOCATIONS MAP

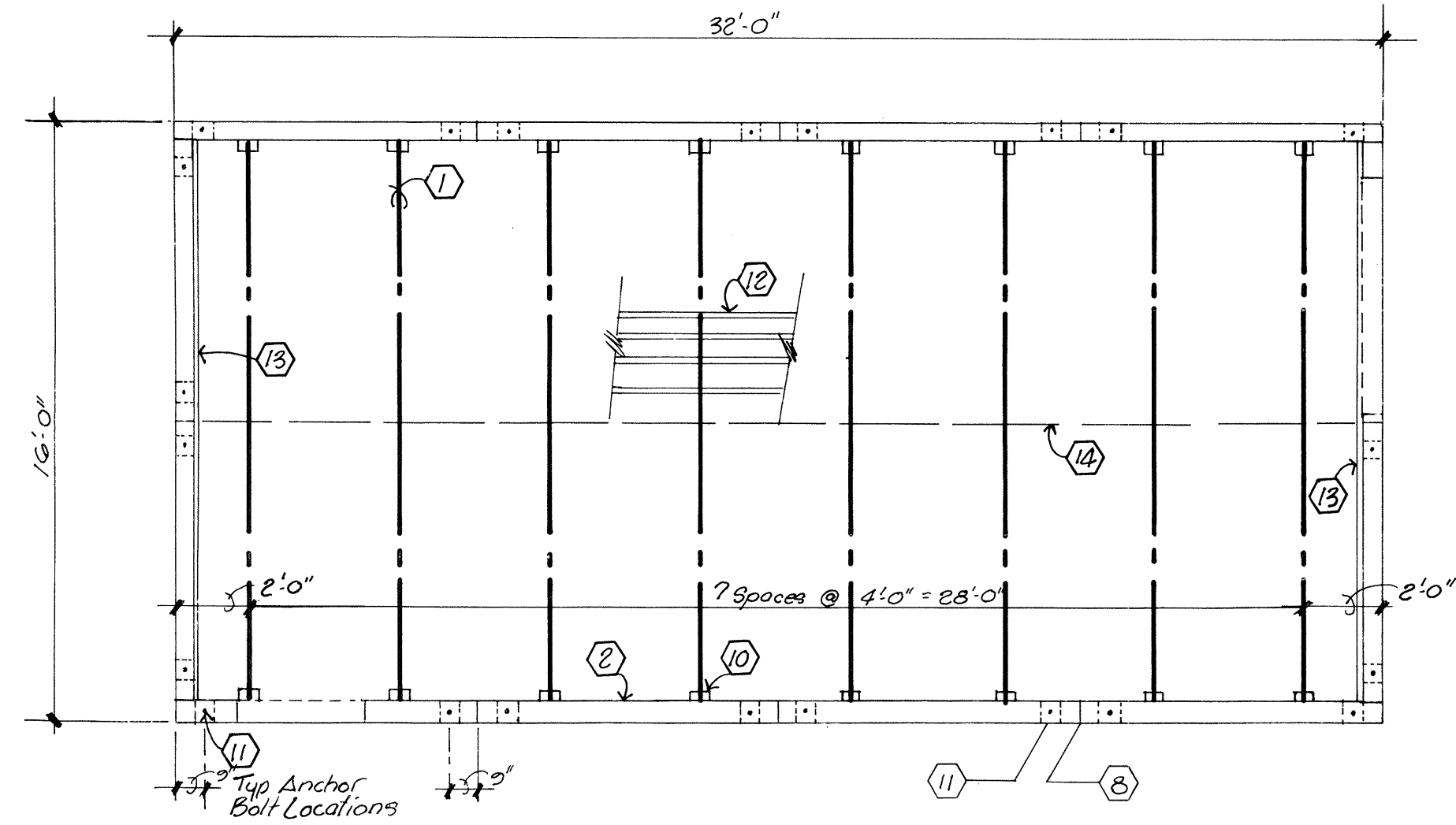
ALBUQUERQUE PHASE-II PUMP STATION REHABILITATION

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E.-Design			Traffic		
A.C.E.-Hydrology			Water		

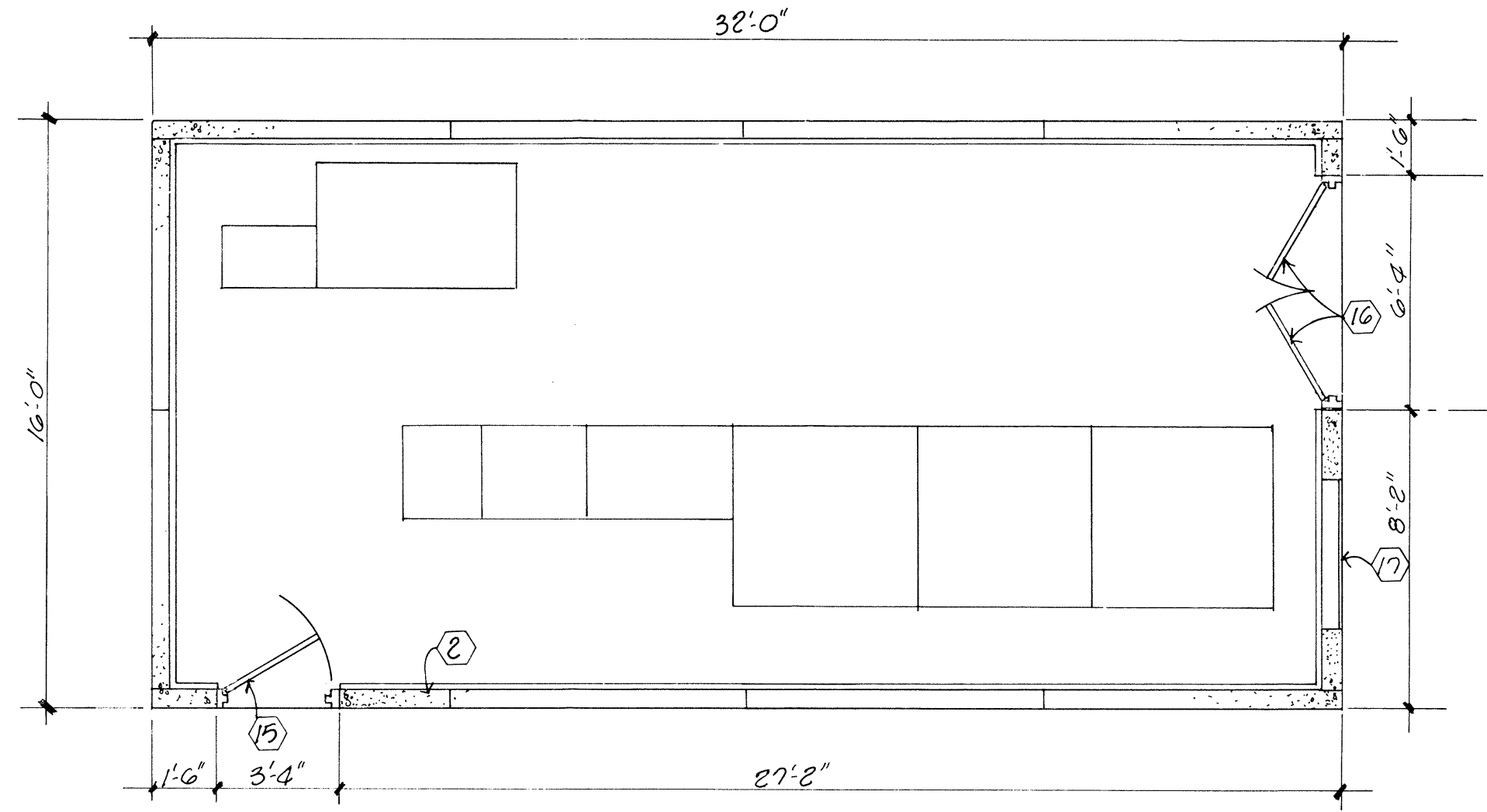
DRAWING NO.	3077	MAP NO.		SHEET	2	OF	16
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WILSON & COMPANY
ENGINEERS & ARCHITECTS
ALBUQUERQUE NEW MEXICO

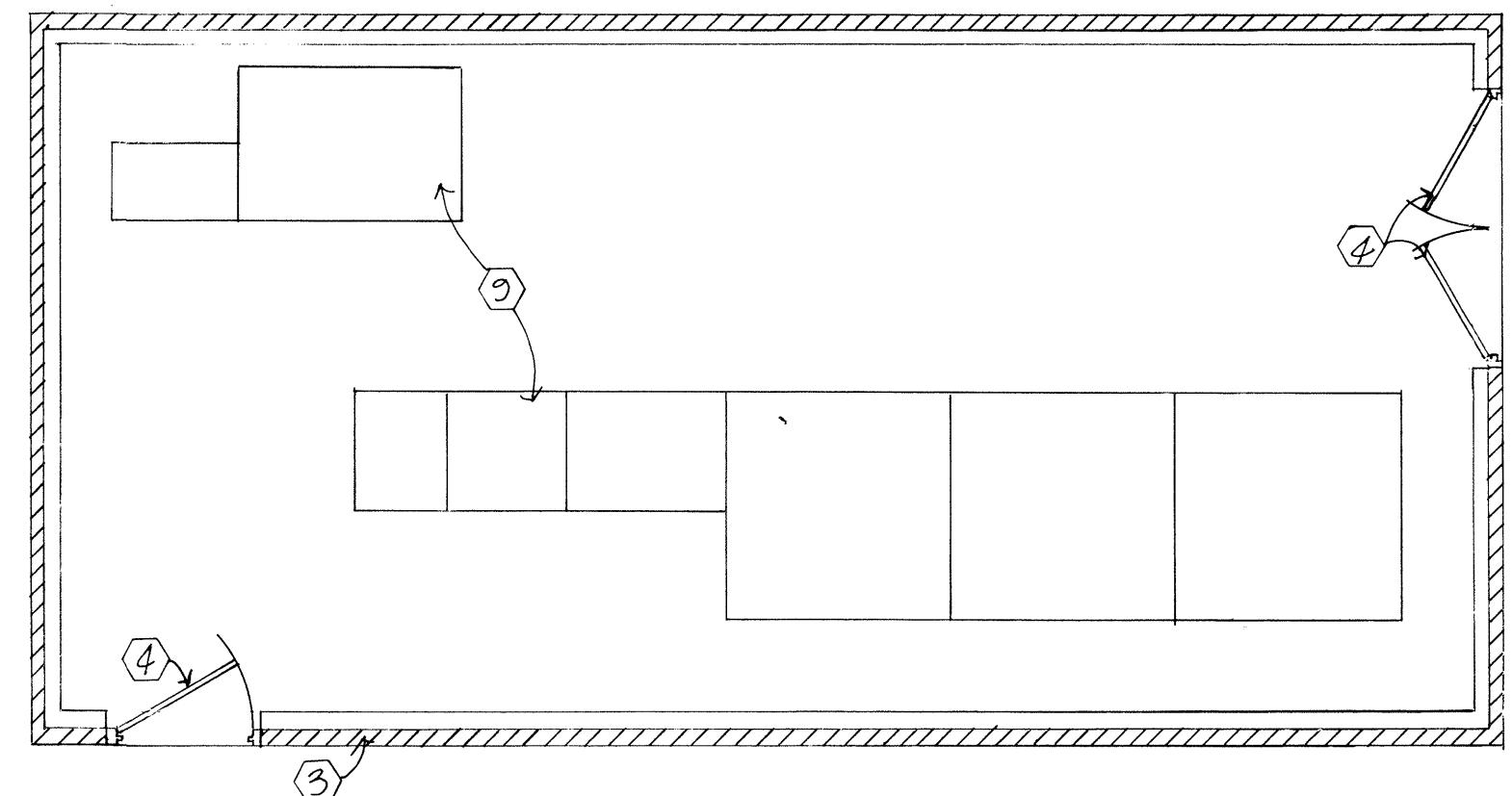
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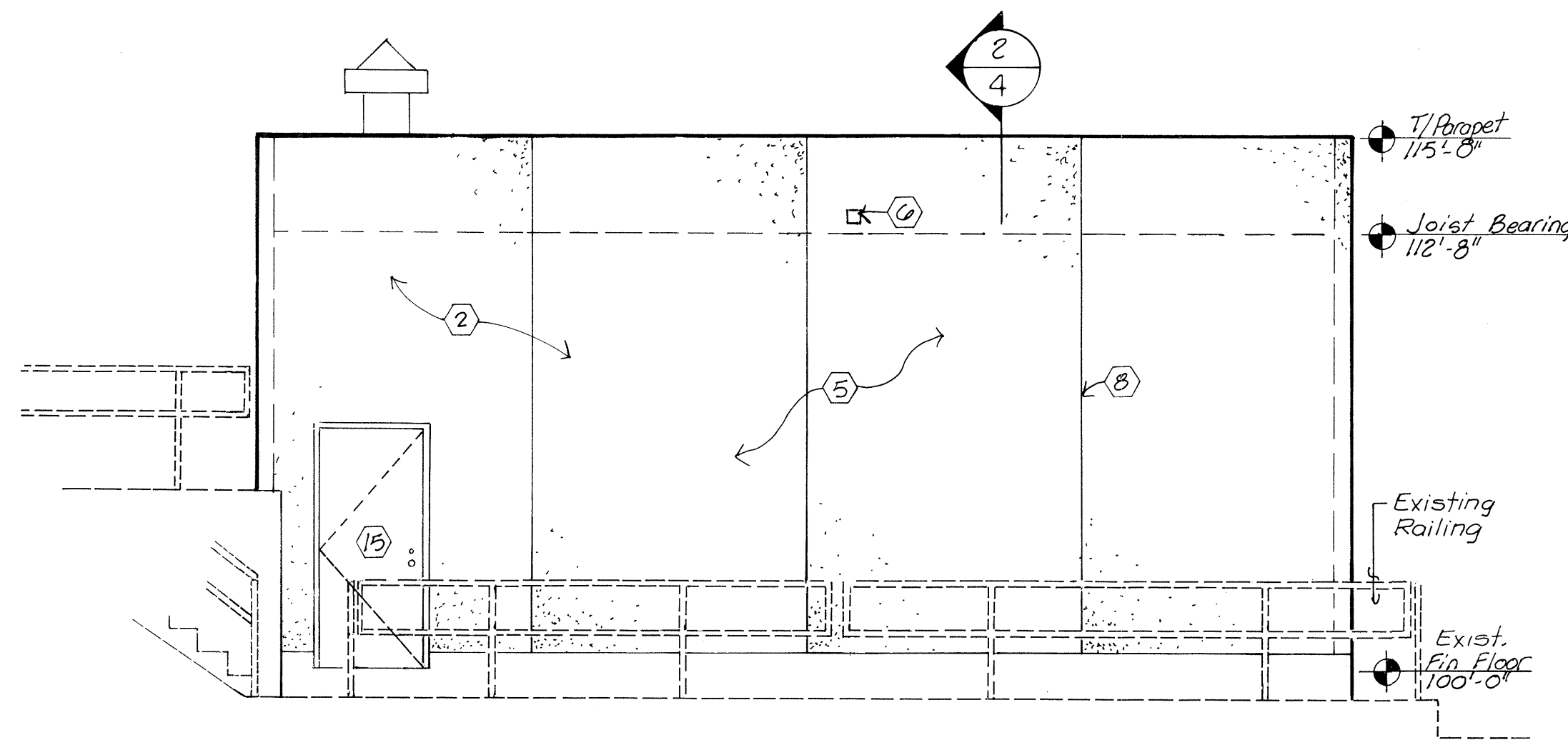
FRAMING PLAN
SCALE: 1/4"=1'-0"



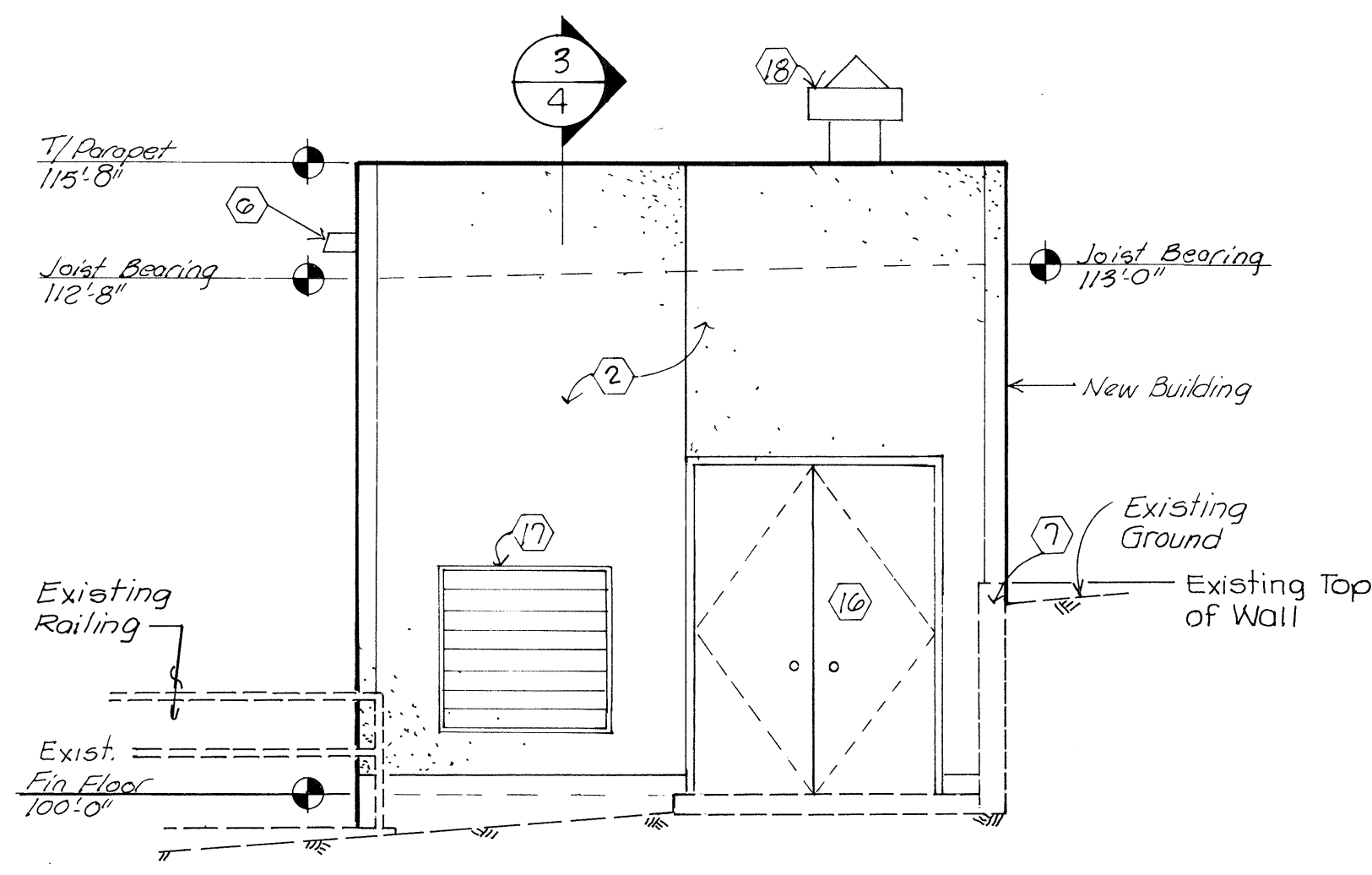
FLOOR PLAN
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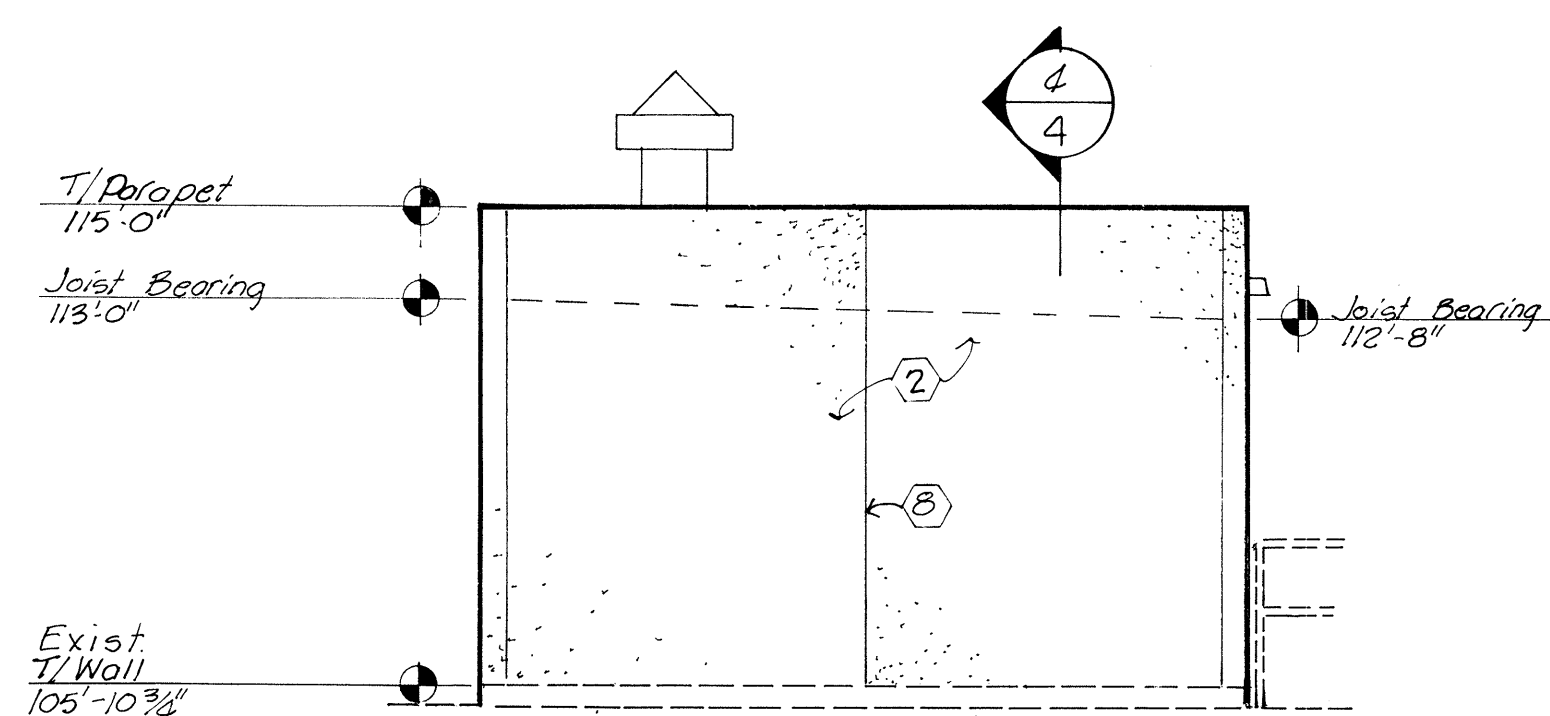
DEMOLITION PLAN
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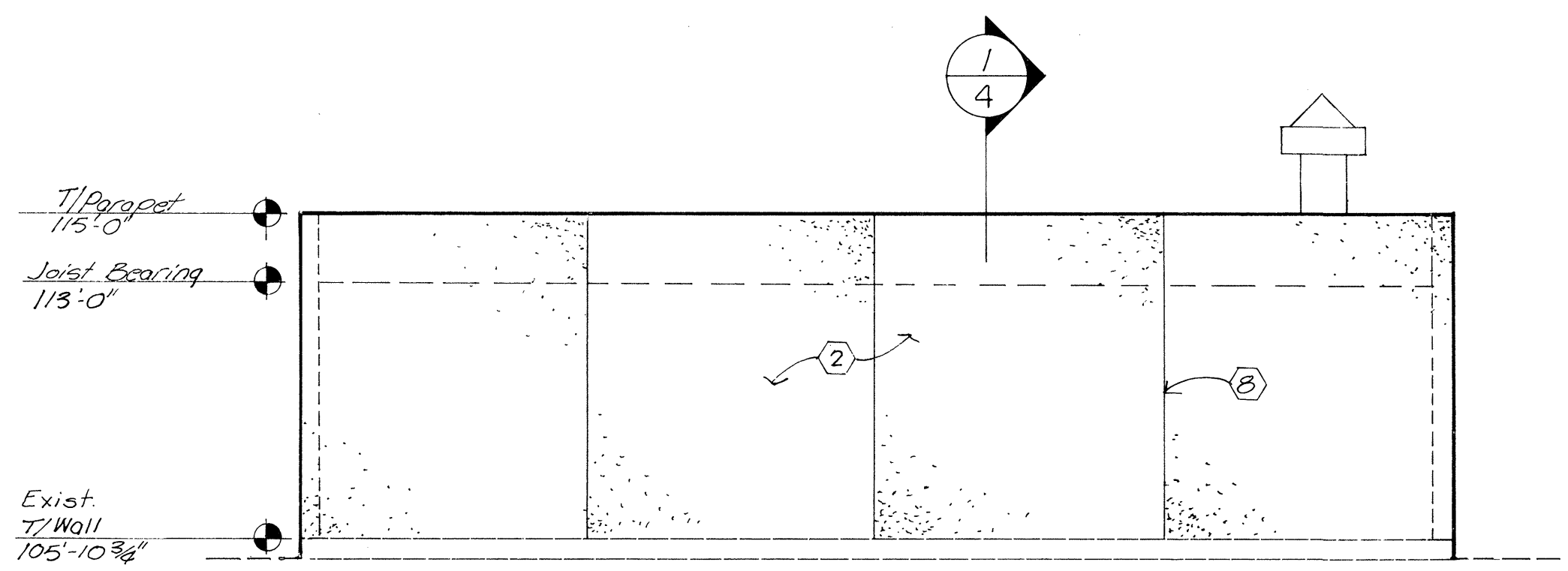
EAST ELEVATION
SCALE: 1/4"=1'-0"



NORTH ELEVATION
SCALE: 1/4"=1'-0"



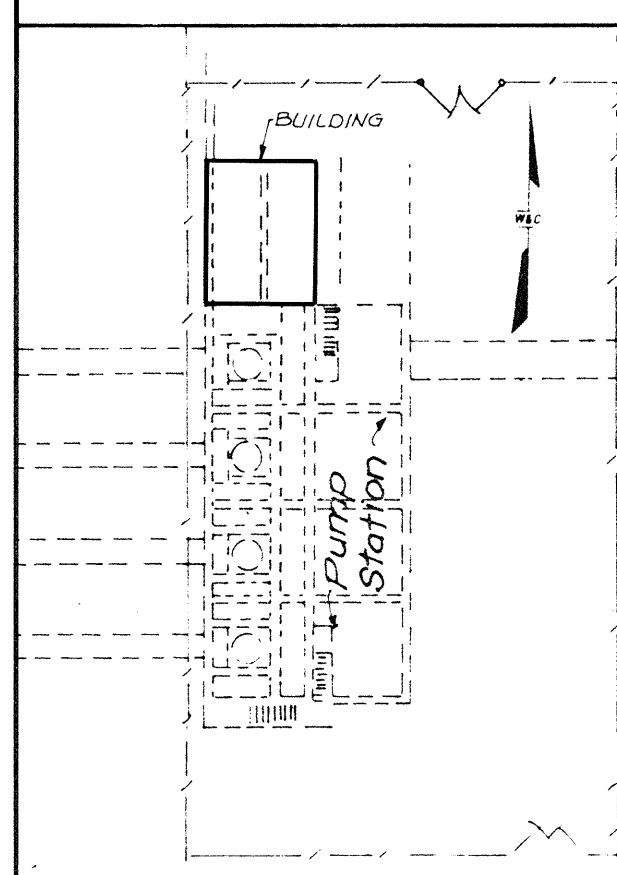
SOUTH ELEVATION
SCALE: 1/4"=1'-0"



WEST ELEVATION
SCALE: 1/4"=1'-0"

- NOTES:**
- Contractor to Provide Temporary Structure to Protect Existing Electrical Controls and Instrumentation From the Elements, Dust and Vandalism During Demolition of Existing Building and Construction of New Building.
 - Temporary Structure shall be Constructed so Owner has 24 Hour Access to Controls During Construction.
 - Contractor to Provide 24 Hour Security Service During Construction Until the New Building is Secure.
 - Contractor to Maintain Pump Station in Operation During Demolition and Reconstruction.

SITE PLAN



KEYED NOTES

- 8 KI joist.
- 5-1/2" precast tinted concrete wall panel.
- Existing metal building to be removed.
- Remove existing door.
- Tinted concrete panels.
- 4" Canale.
- Existing retaining wall.
- Construction joint at each wall panel joint.
- All existing electrical equipment to remain in place and operational during construction.
- Seat angle.
- Anchor bolt.
- 23 gauge 1-1/2" narrow rib steel deck. Fasten to joists with 1/2" diameter welds @ 2'0" O.C.
- Continuous steel angle.
- 1 row bridging.
- 18 gauge 3070 flush hollow metal door with 16 gauge hollow metal frame. Provide 1-1/2" pair full mortise butts, cylindrical lockset, threshold and weatherstripping.
- 1 pair 18 gauge 3080 flush hollow metal doors with 16 gauge hollow metal frame. Provide 3 pair full mortise butts, 1 pair flush bolts, cylindrical lockset, threshold and weatherstripping.
- Relief vent with birdscreen.
- Roof-mounted exhaust fan.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

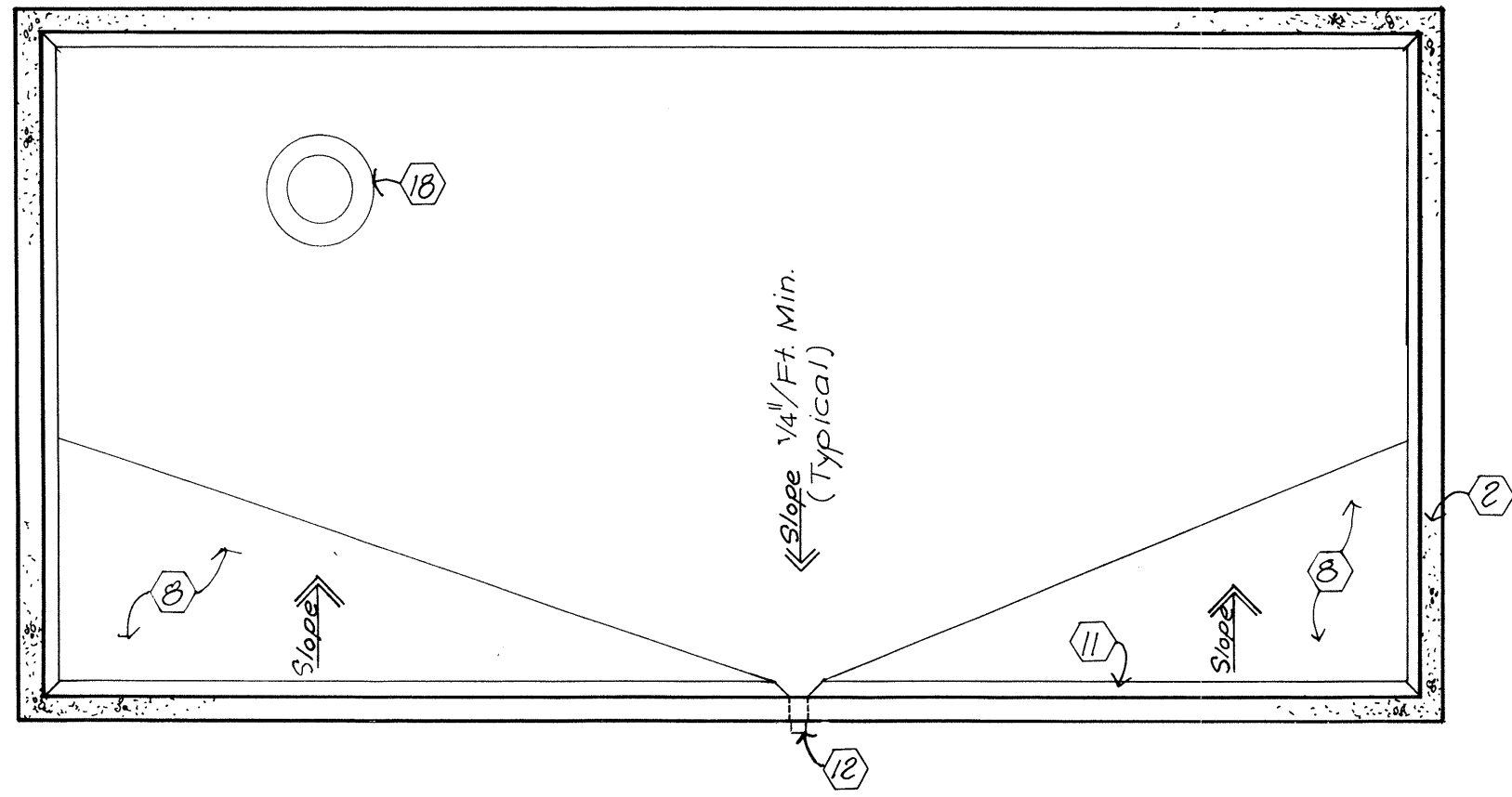
BARELAS

CONTROL BUILDING ELEVATIONS & DEMOLITION PLAN
ALBUQUERQUE PHASE-II PUMP STATION REHABILITATION

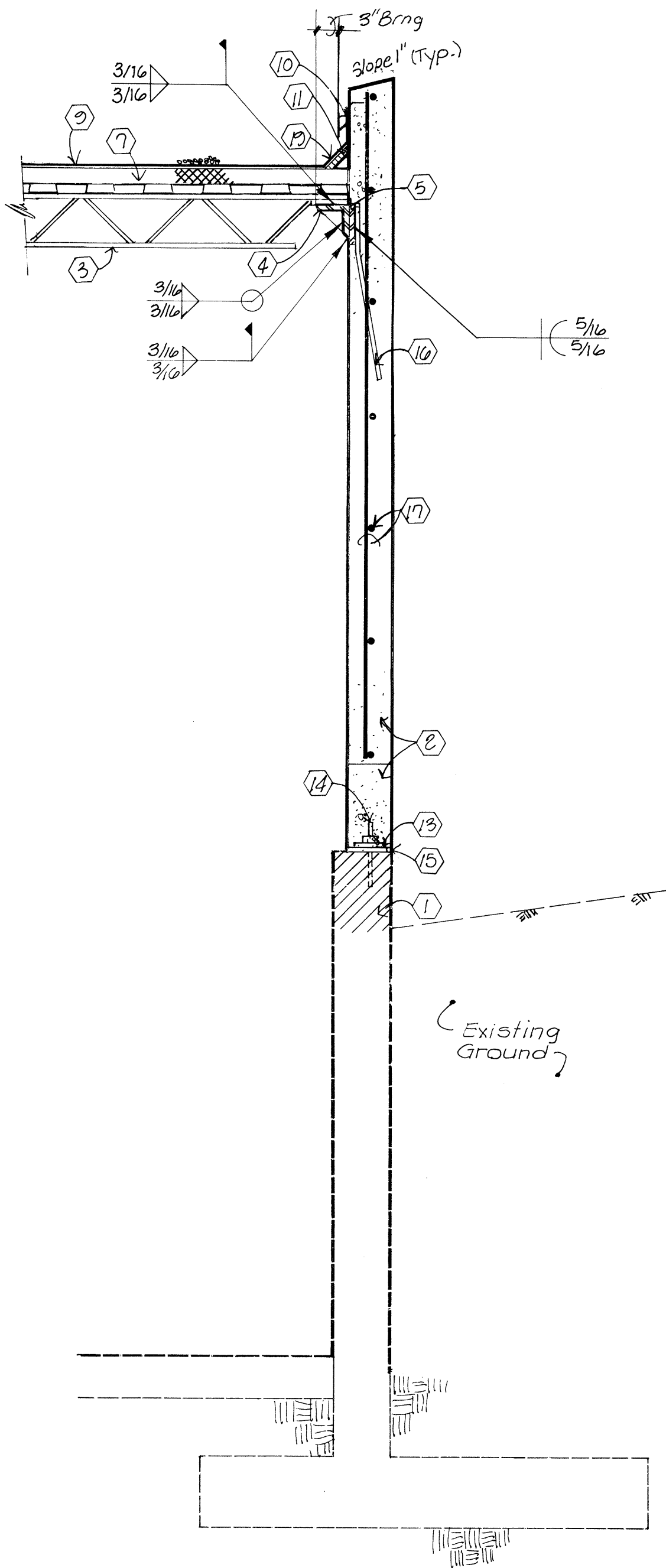
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E.-Design			Traffic		
A.C.E.-Hydrology			Water		

DRAWING NO.	3077	MAP NO.	L-13N	SHEET	3 OF 16
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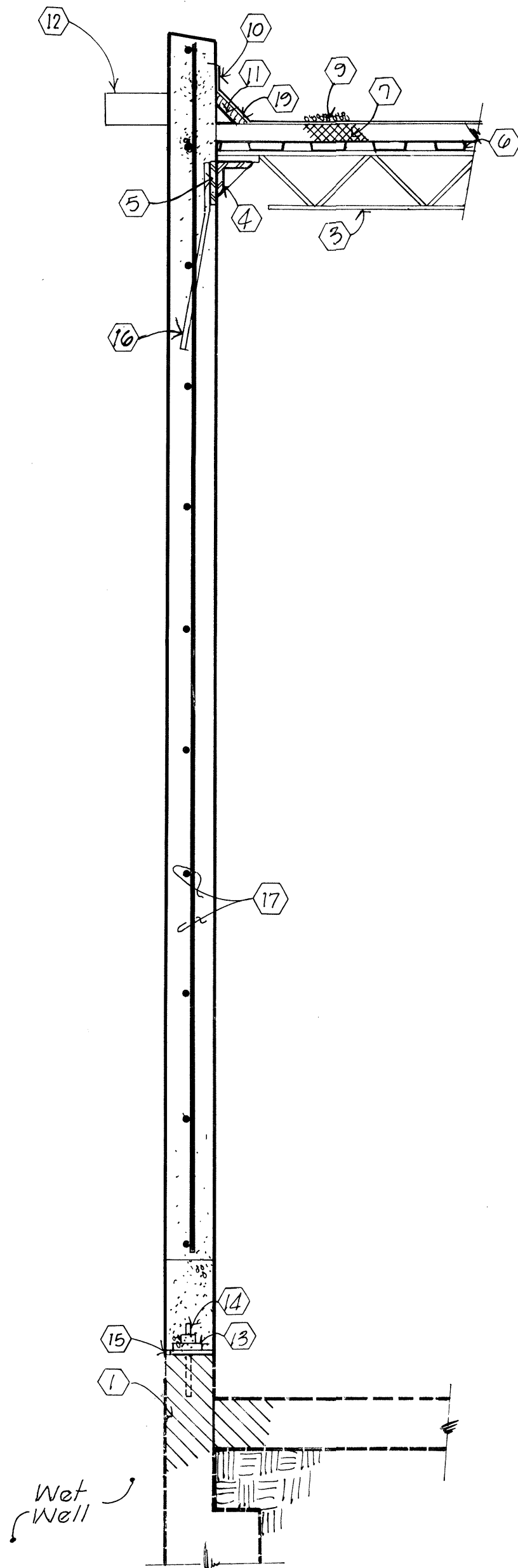
WILSON & COMPANY
ENGINEERS & ARCHITECTS
ALBUQUERQUE NEW MEXICO



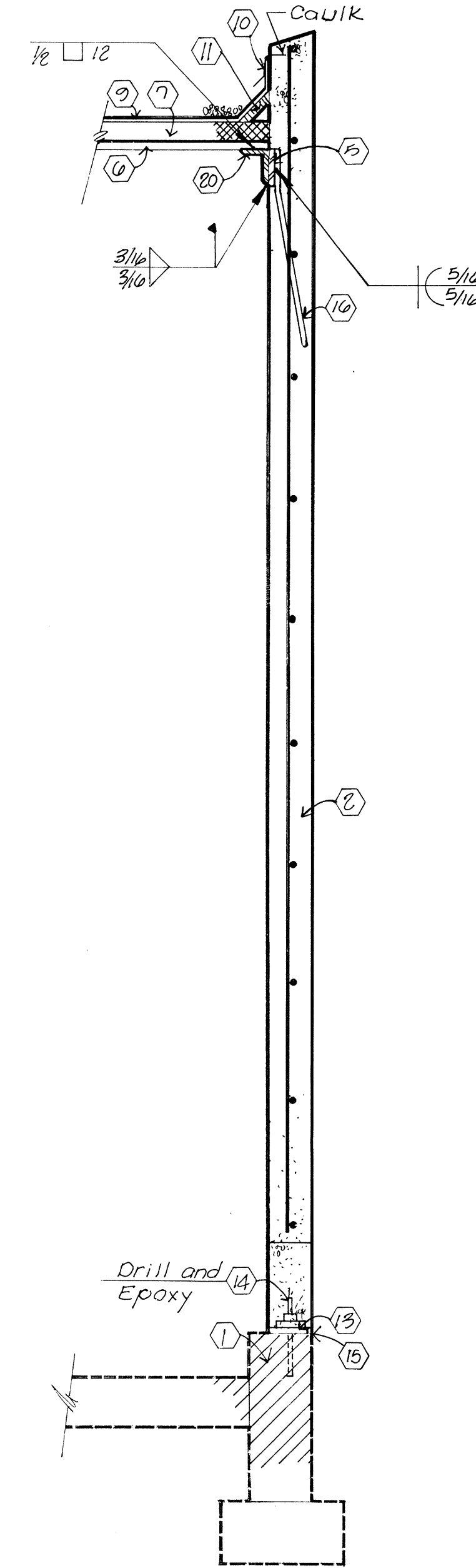
ROOF PLAN
SCALE: 1/4"=1'-0"



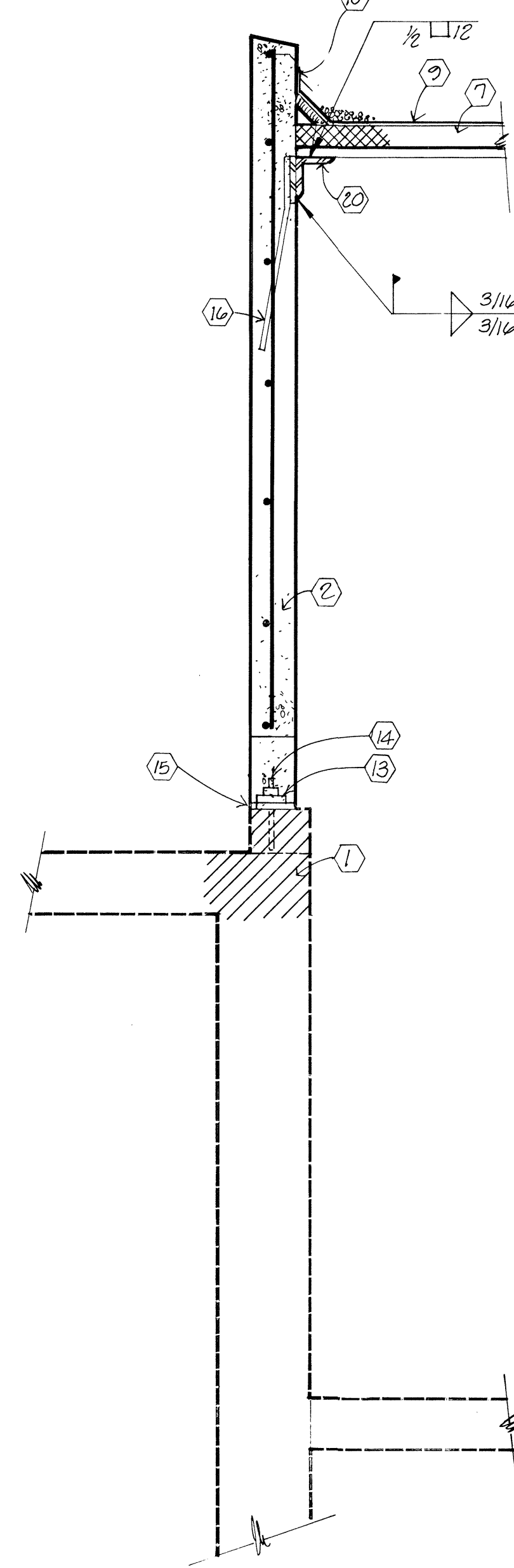
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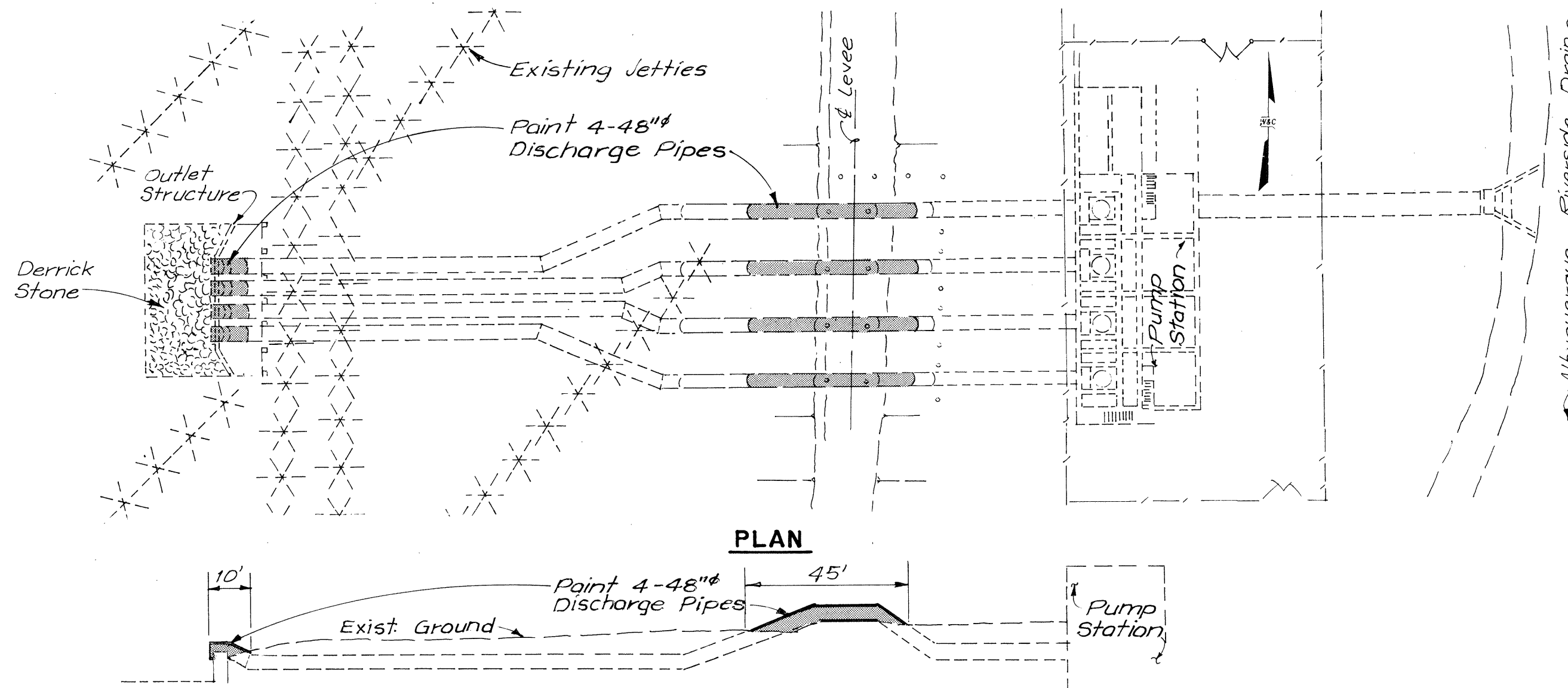
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SECTION 3
SCALE: 3/4"=1'-0"



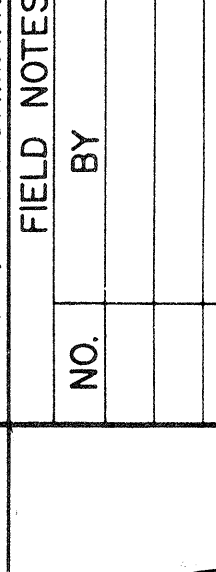
SECTION 4
SCALE: 3/4"=1'-0"



EXISTING DISCHARGE PIPE PLAN & PROFILE
NO SCALE

KEYED NOTES

- Existing construction.
- 5-1/2" precast tinted concrete wall panel.
- 8" open web bar joist.
- L 3-1/2" x 3-1/2" x 1/4" w/1/4" stiffener.
- 3/8" x 6" x 12" plate (2 per panel).
- Metal decking.
- 2" rigid insulation.
- Cricket form with tapered insulation.
- 3 ply built-up roofing.
- 24 gauge galvanized steel counter-flashing and surface reglet.
- Cant strip.
- Canale.
- 1/2"x4"x4" anchor plate (2 per panel).
- 3/4"x12" dia. anchor bolt (2 per panel).
- Caulk with backer-rod, match color of wall panel.
- #4 x 24" dogleg anchor (2 per plate).
- #4 @ 16" vertical and horizontal.
- Roof-mounted exhaust fan.
- Bituminous base flashing.
- L 2" x 2" x 3/16" continuous.

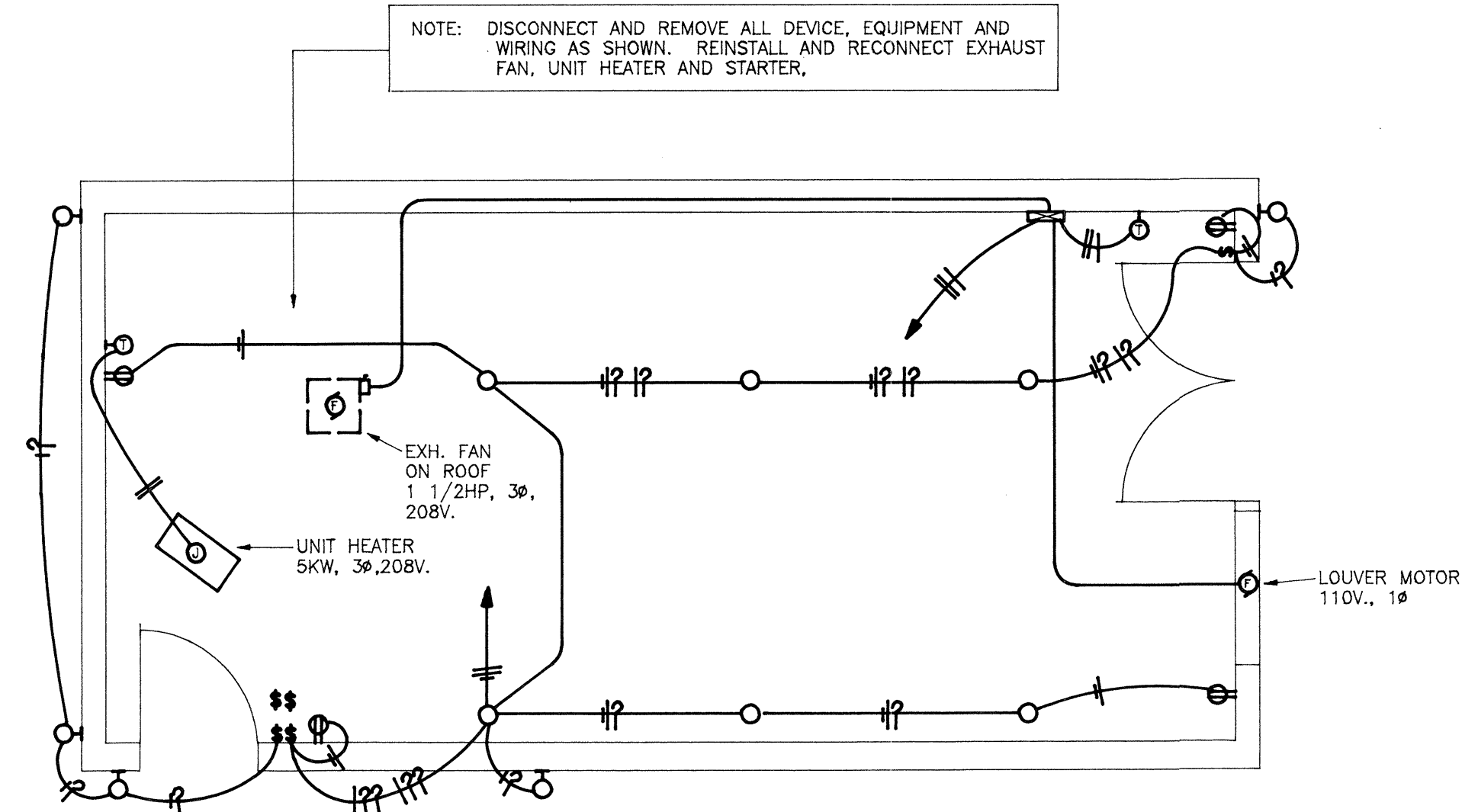
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		FIELD NOTES						
		NO.	BY	DATE				
NO. DATE		REMARKS		BY				

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

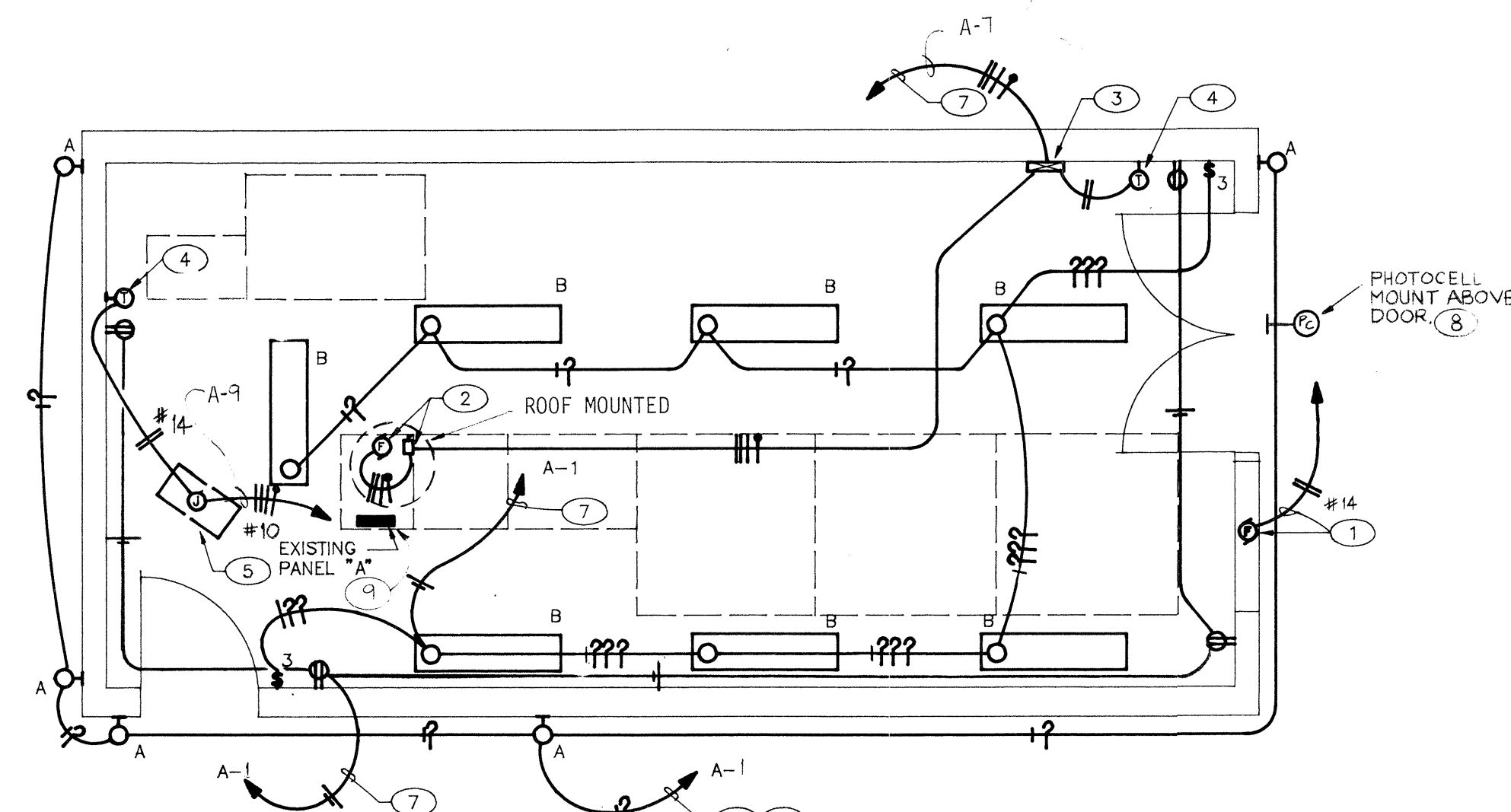
BARELAS
BUILDING SECTIONS AND DISCHARGE PIPE PLAN & PROFILE
ALBUQUERQUE PHASE-II PUMP STATION REHABILITATION

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E.-Design			Traffic		
A.C.E.-Hydrology			Water		

DRAWING NO.	3077	MAP NO.	L-13N	SHEET	4	OF	16
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DEMOLITION PLAN - ELECTRICAL
SCALE: 1/4" = 1'-0"



NEW WORK - ELECTRICAL PLAN
SCALE: 1/4" = 1'-0"

KEYED NOTES

1. PROVIDE CONNECTION TO MOTORIZED LOUVER. RECONNECT SAME AS BEFORE. EXTEND CONTROL CONDUCTORS TO EXHAUST FAN STARTER FOR INTERIOR WIRING.
2. PROVIDE NEW 30A/3P, 250V, FUSIBLE DISCONNECT SWITCH IN NEMA 3 ENCLOSURE. PROVIDE CONNECTION TO EXHAUST FAN.
3. REINSTALL AND RECONNECT EXHAUST FAN STARTER PREVIOUSLY REMOVED. RECONNECT SAME AS BEFORE.
4. REINSTALL AND RECONNECT T-STAT PREVIOUSLY REMOVED. RECONNECT SAME AS BEFORE.
5. PROVIDE CONNECTION TO UNIT HEATER. RECONNECT SAME AS BEFORE.
6. PROVIDE AND INSTALL NEW BRANCH CIRCUITING FOR NEW DEVICES AND EQUIPMENT AS SHOWN.
7. EXTEND TO EXISTING PANEL "A" IN SWITCHBOARD. UPDATE PANEL DIRECTORY.
8. EXTEND BRANCH CIRCUIT INDICATED THROUGH PHOTOCELL LOCATED ON NORTH WALL OF BUILDING TO CIRCUIT INDICATED.
9. FOR CIRCUIT A-9, REMOVE 20A/3P CIRCUIT BREAKER; PROVIDE AND INSTALL 30A/3P CIRCUIT BREAKER.

SYMBOL LEGEND

SYMBOL	DESCRIPTION
(A) (B)	CEILING OR WALL BRACKET FIXTURE. SEE FIXTURE SCHEDULE.
(C)	FLUORESCENT OUTLET AND FIXTURE. SEE FIXTURE SCHEDULE.
\$	SINGLE POLE WALL SWITCH, UP 48". "3" INDICATES THREE-WAY.
HP	PHOTOCELL - SEE PLAN FOR LOCATION AND INFORMATION.
J	JUNCTION BOX FLUSH IN WALL WITH CONNECTION EQUIPMENT
⊕	DUPLEX CONVENIENCE OUTLET, UP 12" OR AS NOTED.
T	THERMOSTAT, UP 48" UNLESS OTHERWISE INDICATED.
⊕	ELECTRIC PANEL. SEE PANEL SCHEDULE FOR CHARACTERISTICS.
HP	MOTOR CONNECTION WITH HP INDICATED. "F" INDICATES FRACTIONAL.
	BRANCH CIRCUIT IN WALLS OR CEILING WITH CONDUCTORS INDICATED.
	BRANCH CIRCUIT IN WALLS OR UNDER FLOOR WITH CONDUCTORS INDICATED
	HOME RUN TO PANEL WITH BRANCH CIRCUIT NUMBERS INDICATED.
⊕ WP	DUPLEX CONVENIENCE OUTLET, WEATHERPROOF UP 12" UNLESS OTHERWISE INDICATED.
□	DISCONNECT SWITCH SIZE AND POLES PER LOAD CONNECTED, NEMA 3R OUTDOOR.

FIXTURE SCHEDULE

TYPE	MANUFACTURER	LAMPS	MOUNTING
A	GE #WL7503S1N1LN4	1/35W/HPS	WALL +9'-0"
B	LITHONIA #AF102-240-PO (PORCELAIN REFLECTOR)	2/F40/RSWM	PENDANT (10'-0")

MECHANICAL EQUIPMENT SCHEDULE

EXHAUST FAN: ROOF MOUNTED, BELT DRIVEN, CENTRIFUGAL TYPE EXHAUST FAN WITH ROOF CURB, BACKDRAFT DAMPER, IRD SCREEN, AND UNIT MOUNTED DISCONNECT SWITCH. MODEL NUMBERS ARE GREENH. SK.					
MODEL	CFM	FSP	VOLTS	PH	HP
GB36-15	9500	.375	208	3	1.5
UNIT HEATER: ELECTRIC POWERED, HORIZONTAL DISCHARGE UNIT HEATER WITH CEILING MOUNTING BRACKET, DISCONNECT SWITCH, FAN GUARD, DISCHARGE LOUVERS, FUSES, AUTOMATIC RESET THERMAL CUT-OUT, AND THERMOSTAT. MODEL NUMBERS ARE MARKEL.					
MODEL	KW	VOLTS	PH		
F2F5105	5.0	208	3		

General Notes

1. Contractor to provide temporary covering over the electrical equipment during the building demolition and reconstruction to protect the electrical equipment from adverse weather conditions.
2. Contractor to provide 24 hr. on-site guard during building demolition and reconstruction to protect the exposed components.
3. Contractor to maintain pump station in operation during demolition/reconstruction.

AS BUILT INFORMATION

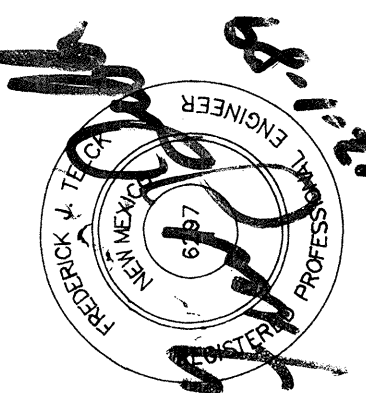
CONTRACTOR	DATE
INSPECTOR	DATE
ACCEPTANCE BY	DATE
VERIFICATION BY	DATE
RECORDED BY	DATE

BENCH MARKS

SURVEY INFORMATION

FIELD NOTES	DATE
NO.	BY

ENGINEER'S SEAL



REVISIONS

NO.	DATE	REMARKS	BY

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT

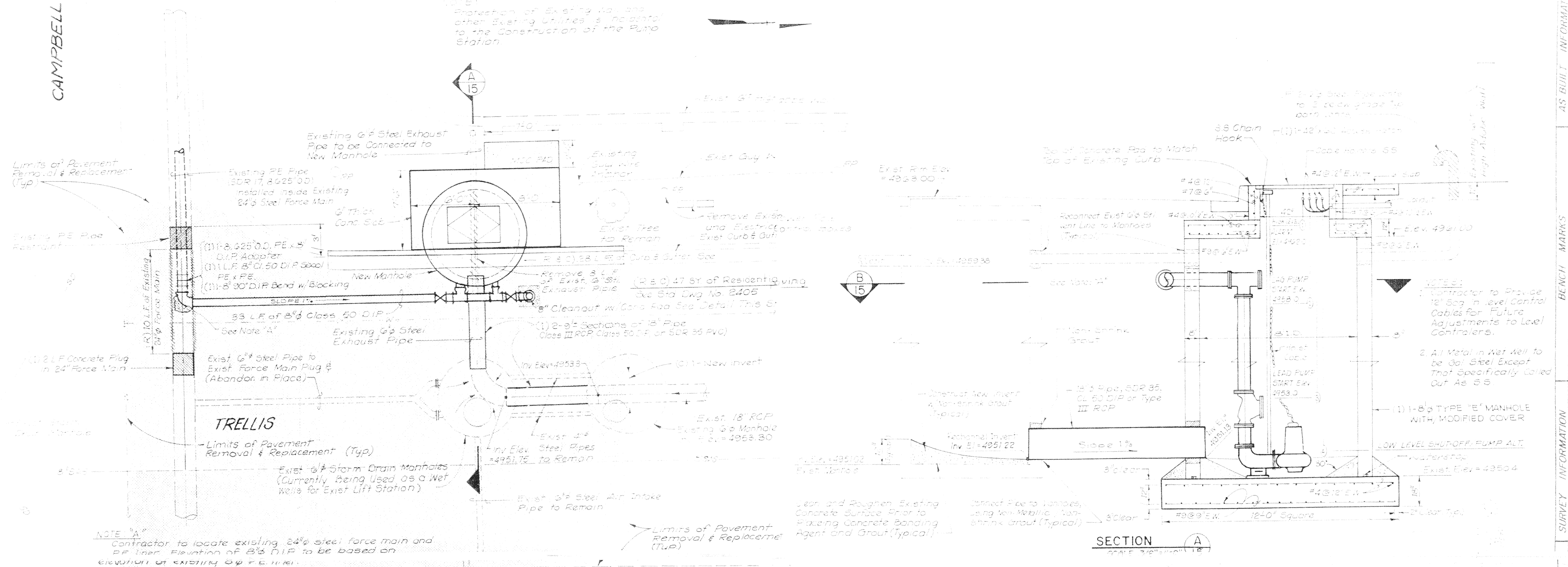
BARALES

ELECTRICAL PLANS, SCHEDULES AND DETAILS
ALBUQUERQUE - PHASE II PUMP STATION REHABILITATION

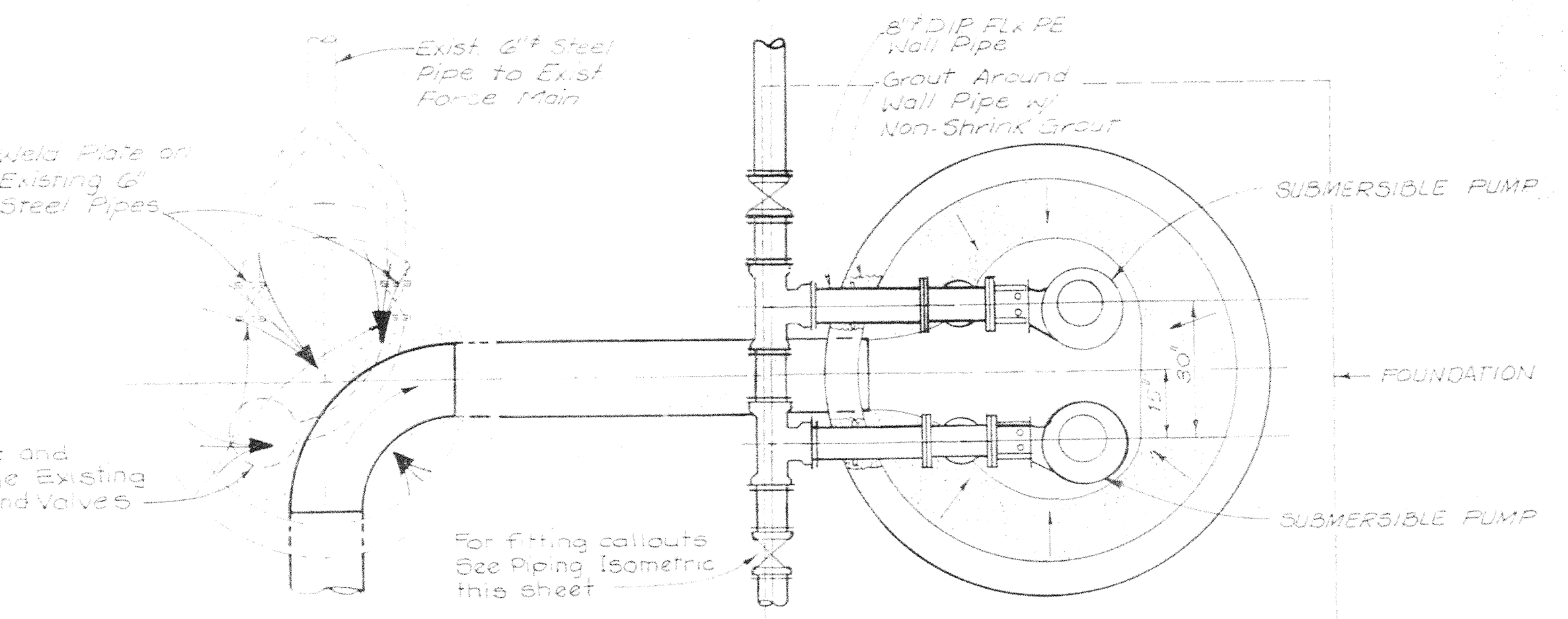
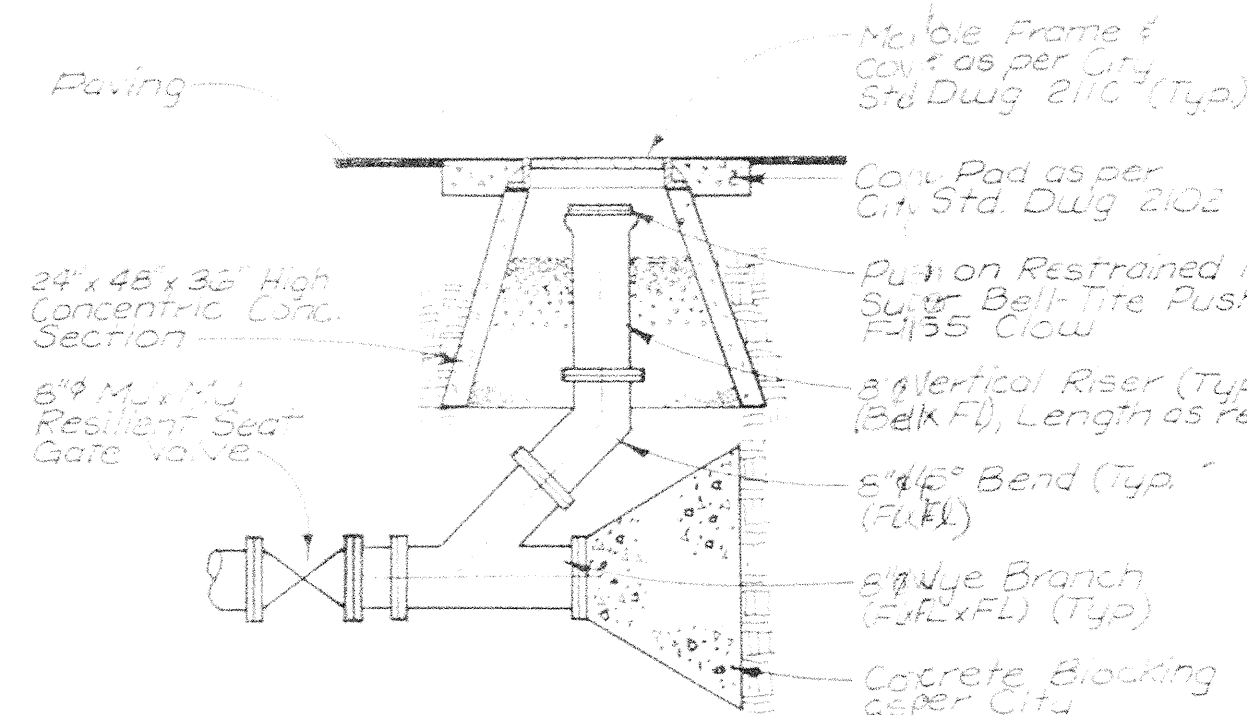
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E.-Design			Traffic		
A.C.E.-Hydrology			Water		

DRAWING NO.	MAP NO.	SHEET	OF
3077	L-13N	5	16

CAMPBELL



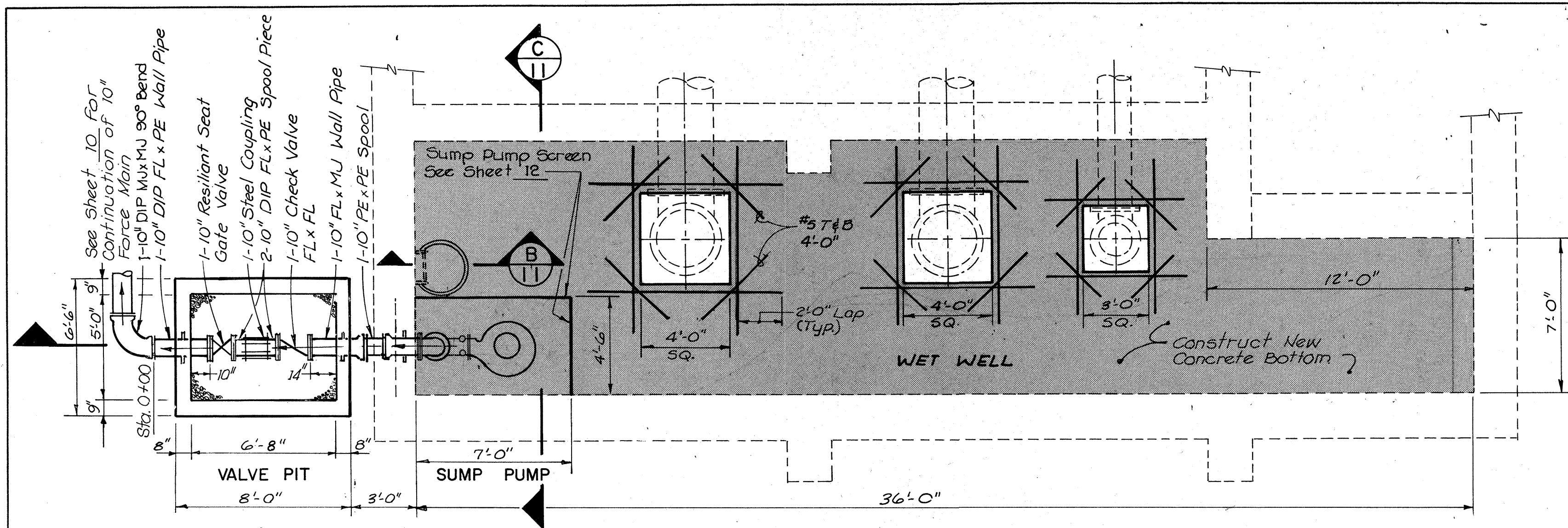
FACILITY PLAN
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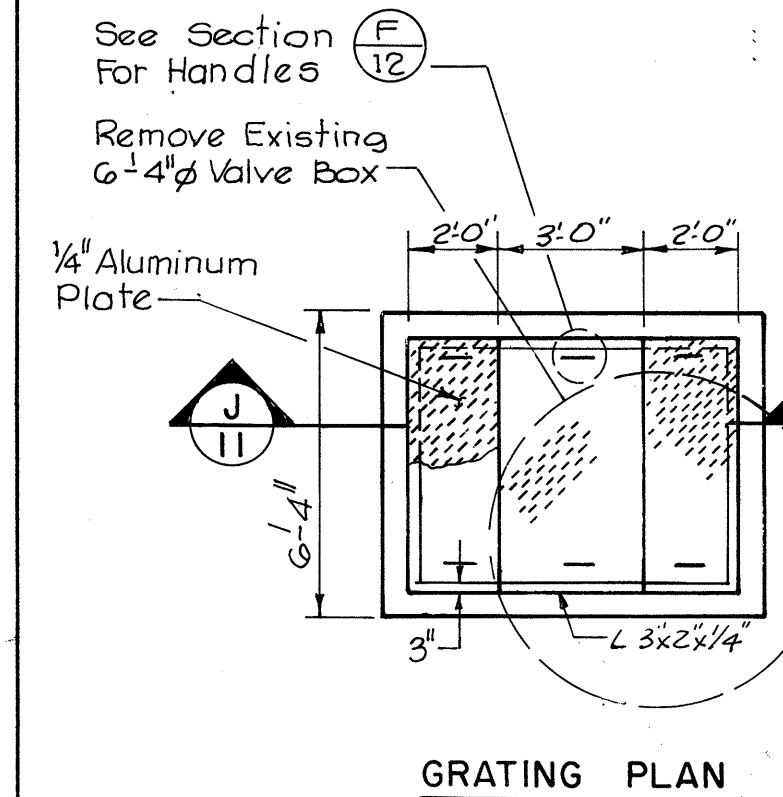
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Sheet 15 of 16

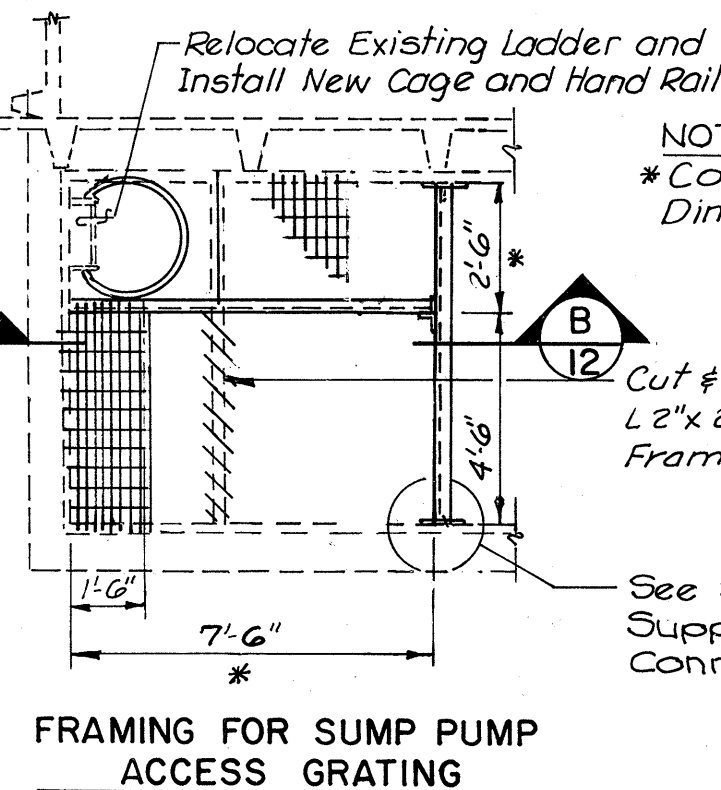
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT			
TRELLIS/CAMPBELL PUMP SITE PLAN AND DETAIL ALBUQUERQUE PHASE-II PUMP STATION			
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer			Liquid Waste
A.C.E.-Design			Traffic
A.C.E.-Hydrology			Water
DRAWING NO.	3077	MAP NO.	G-12 S



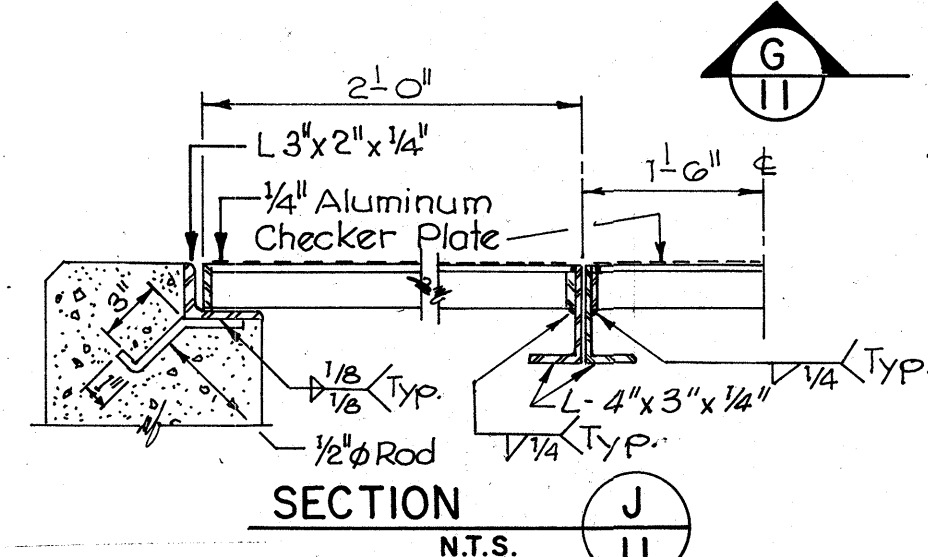
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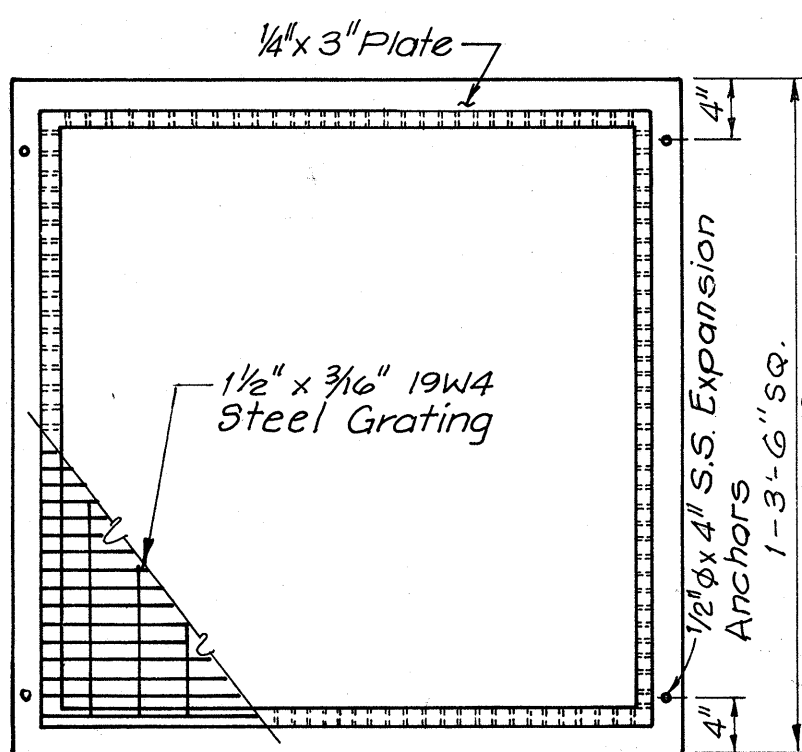
GRATING PLAN



SECTION H
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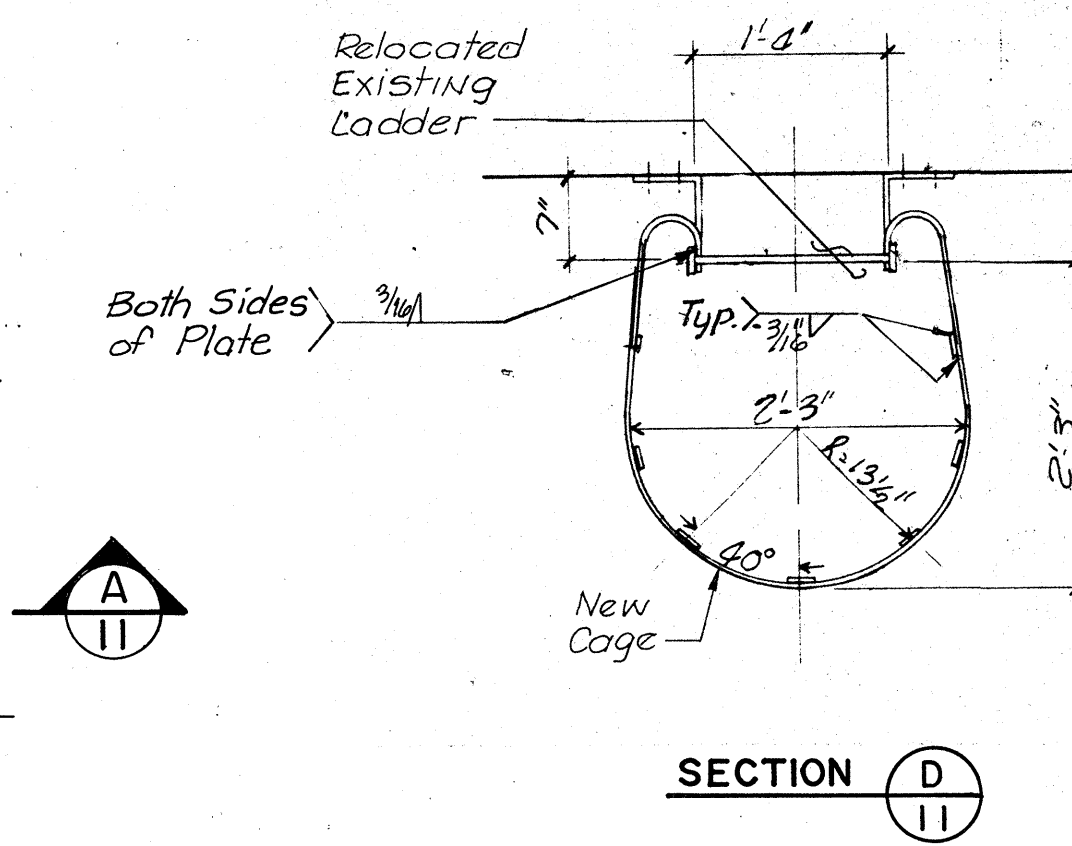


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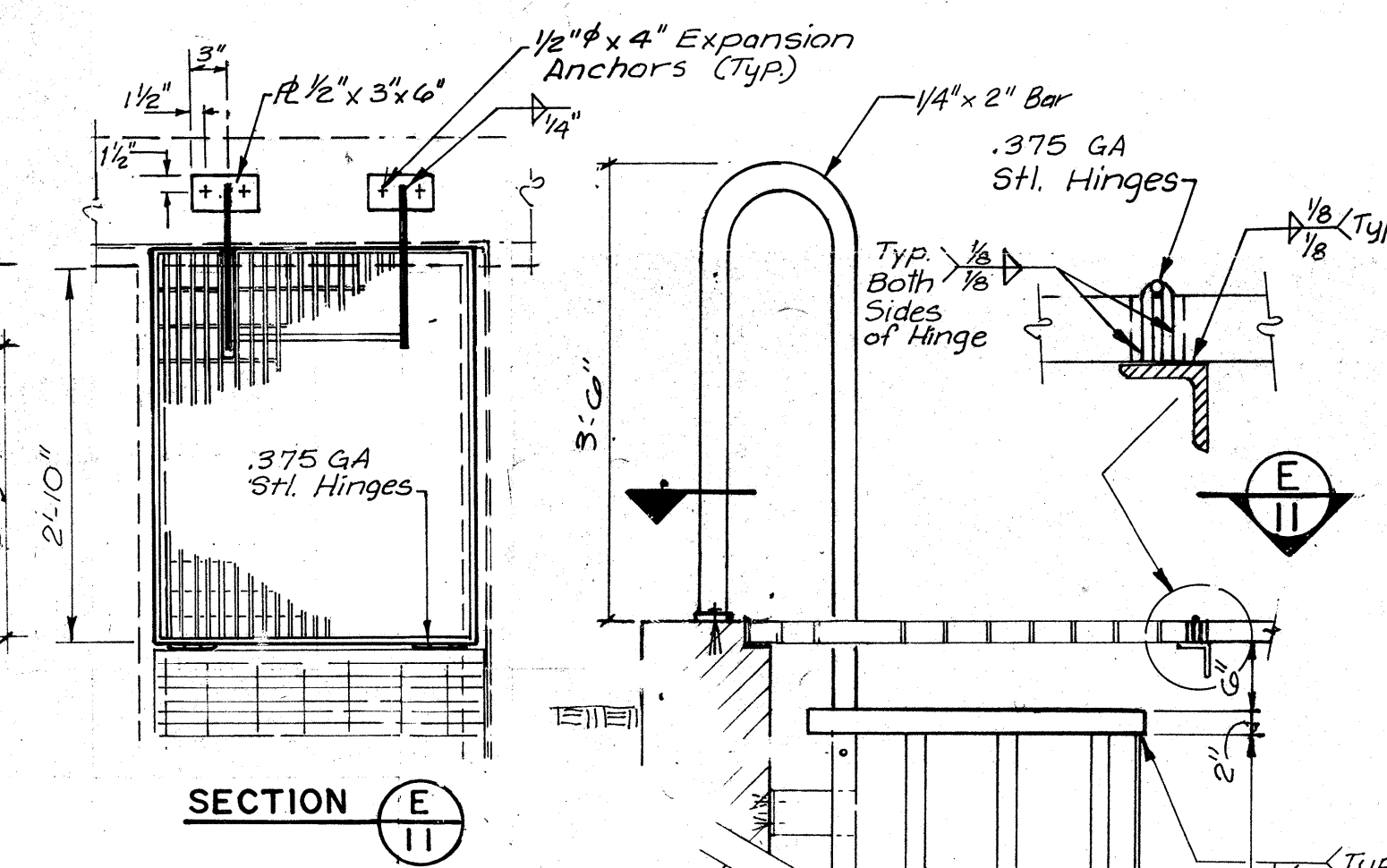
SECTION F
N.T.S.

PUMP SUCTION SCREEN DETAIL
N.T.S.

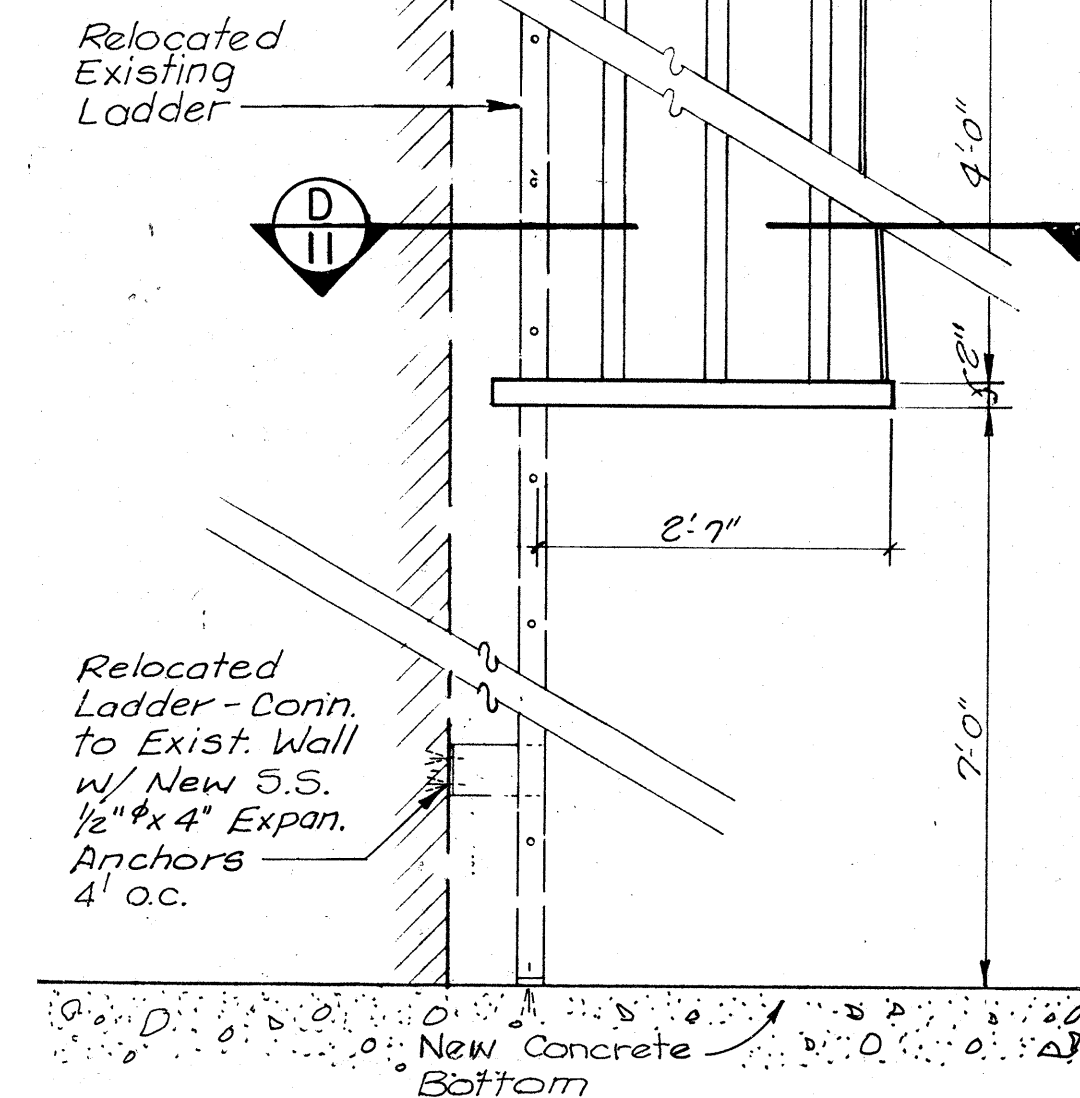


SECTION D
I

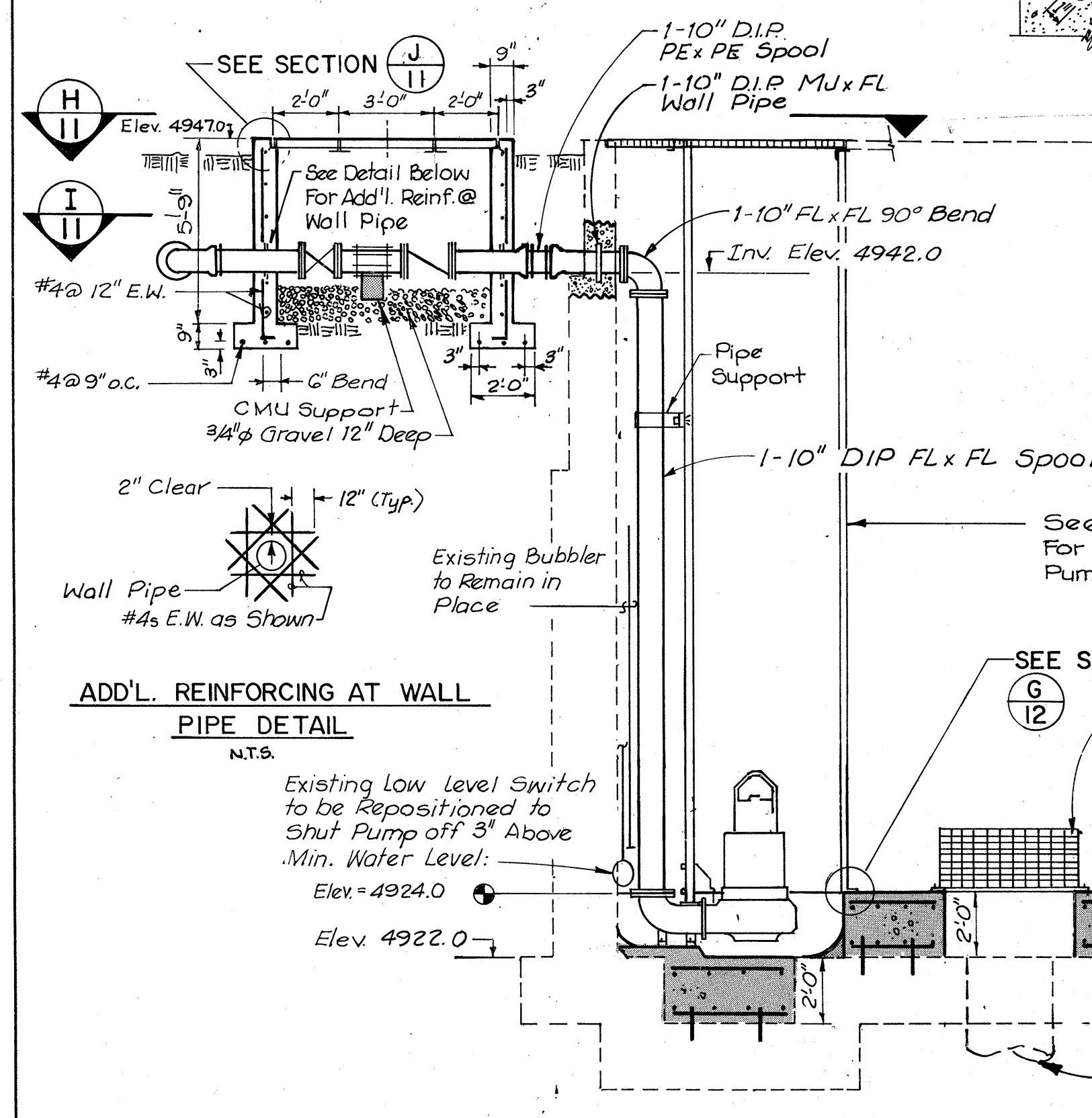
LADDER DETAILS
SCALE: 3/4" = 1'-0"



SECTION E
I



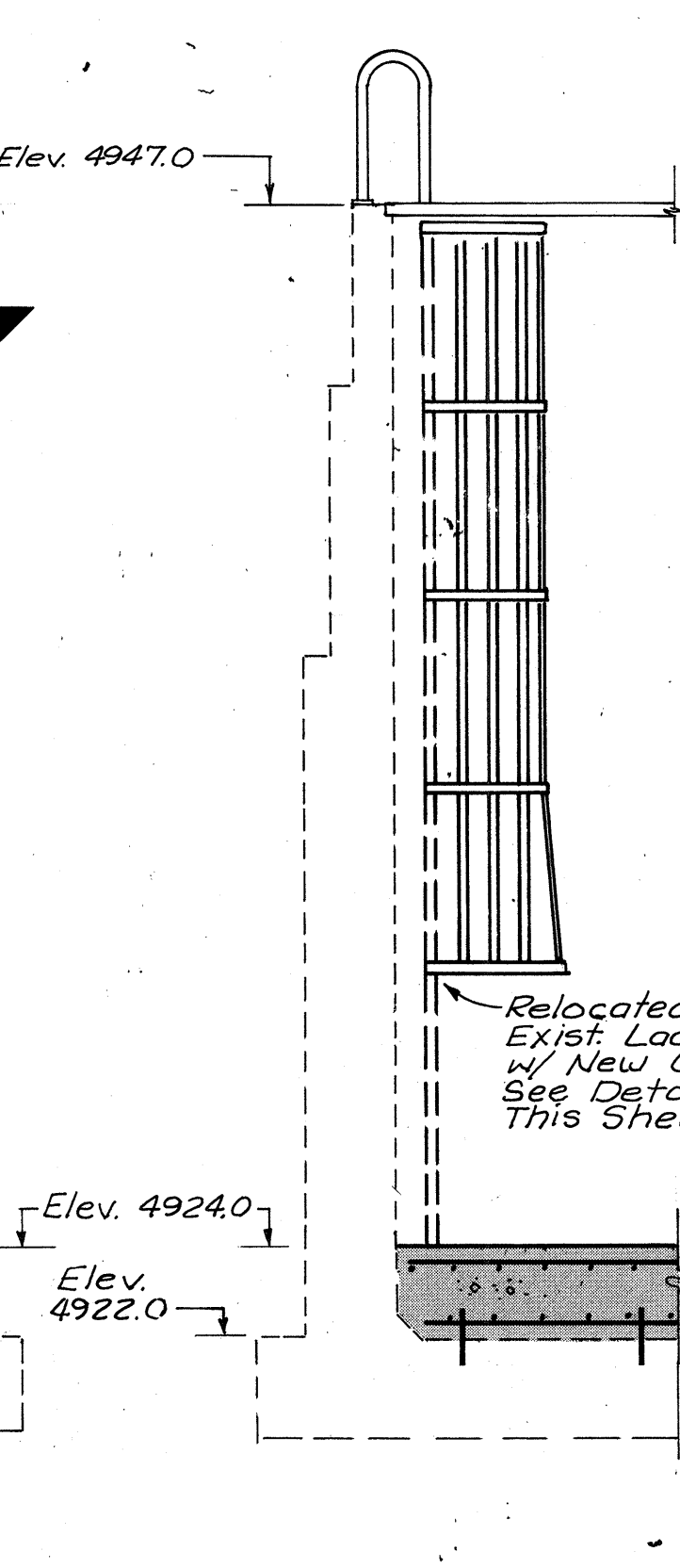
LADDER SECTION B
SCALE: 3/4" = 1'-0"



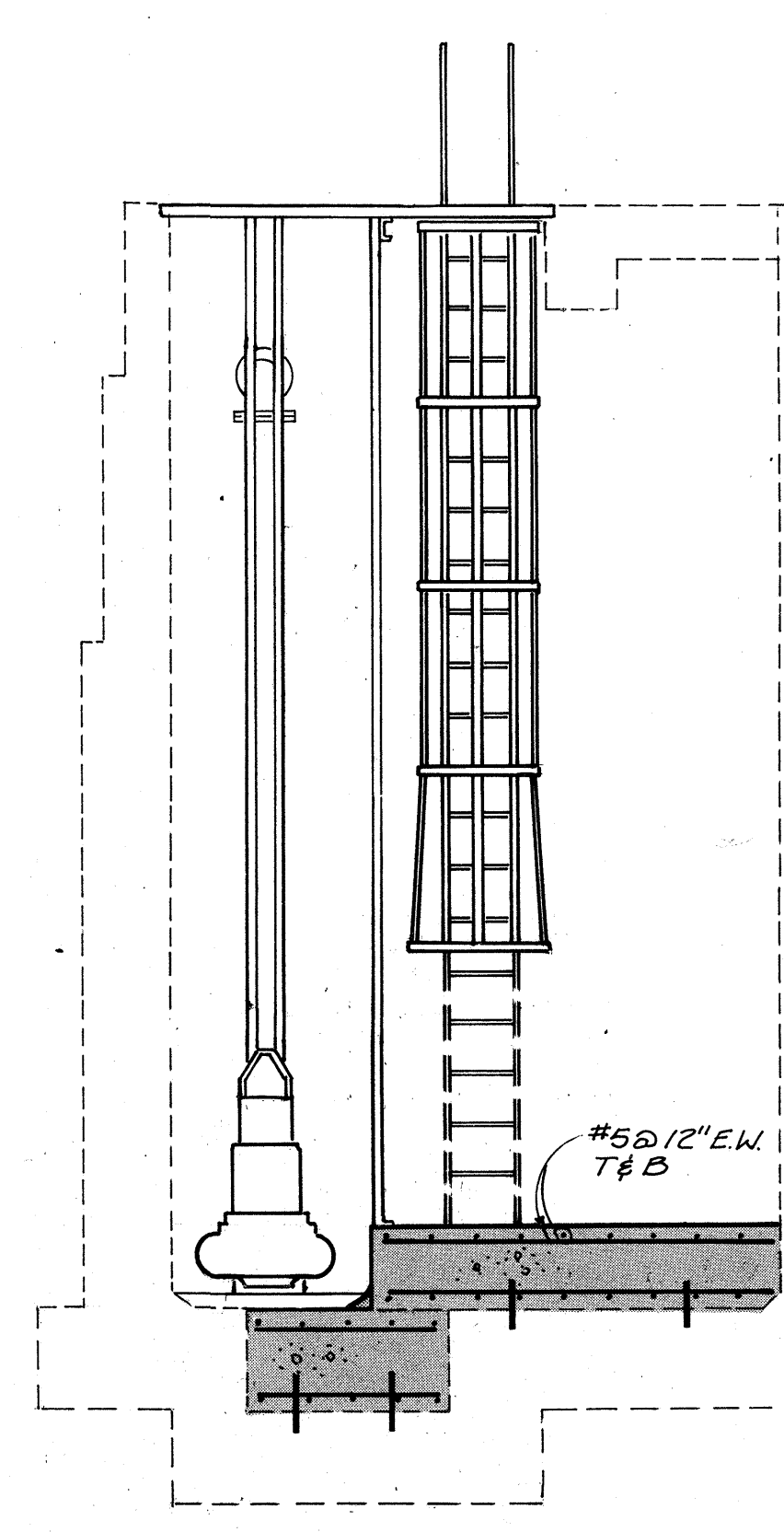
SECTION A
SCALE: 1/4" = 1'-0"

Note:
Existing Sump Pump Piping and Control Wiring to be Removed and Salvaged.
New Sump Pump to be Installed and Operational Prior to Beginning Header Improvements.

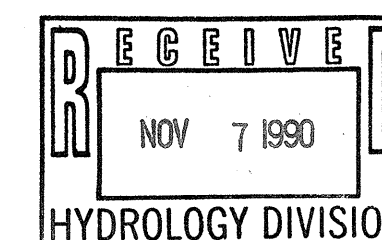
Note:
Thoroughly Clean and Roughen Entire Existing Concrete Surface to a Depth 1/4" Coat With Bonding Compound Prior to Placing Concrete.



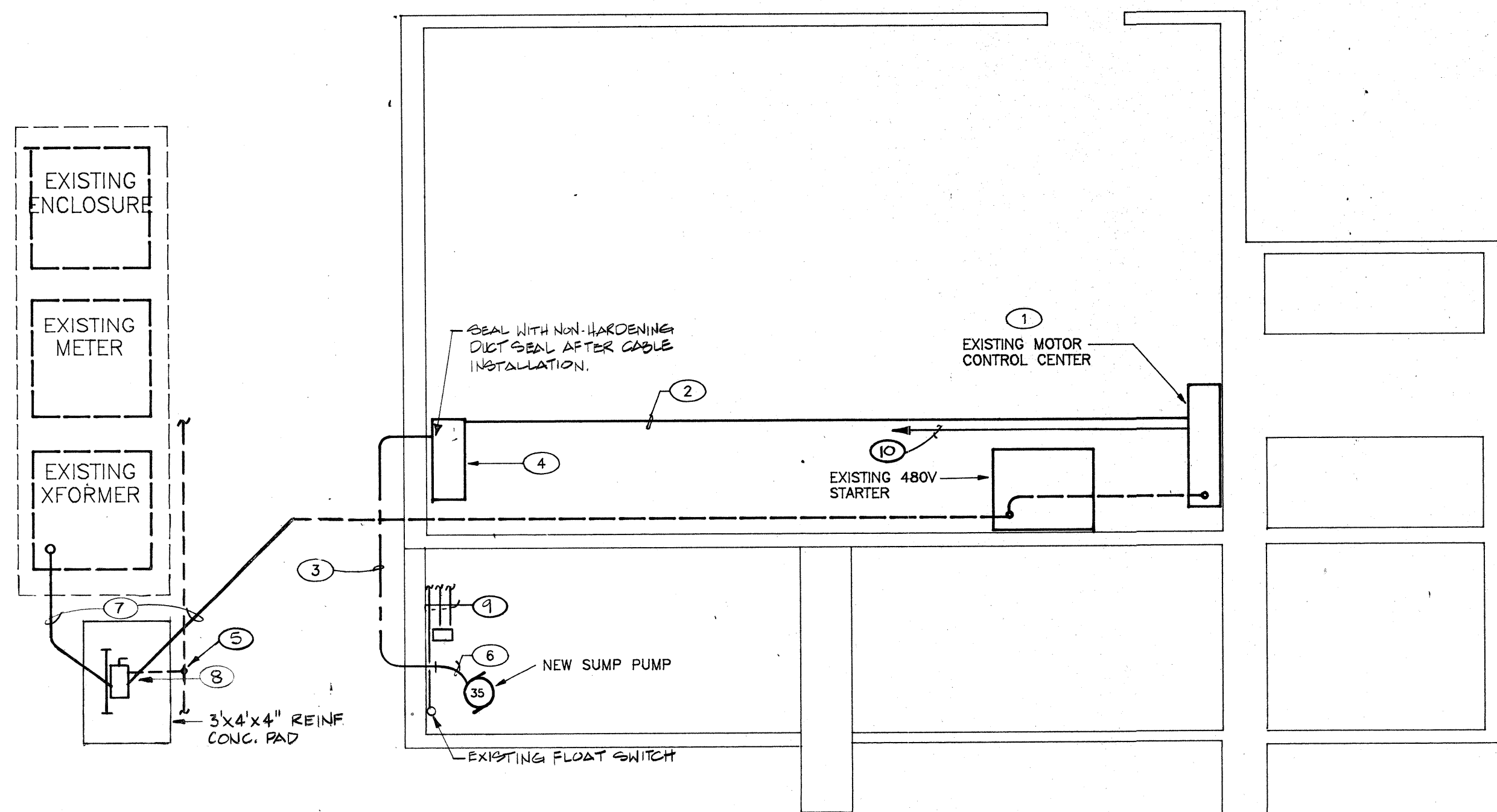
SECTION B
SCALE: 1/4" = 1'-0"



SECTION C
SCALE: 1/4" = 1'-0"

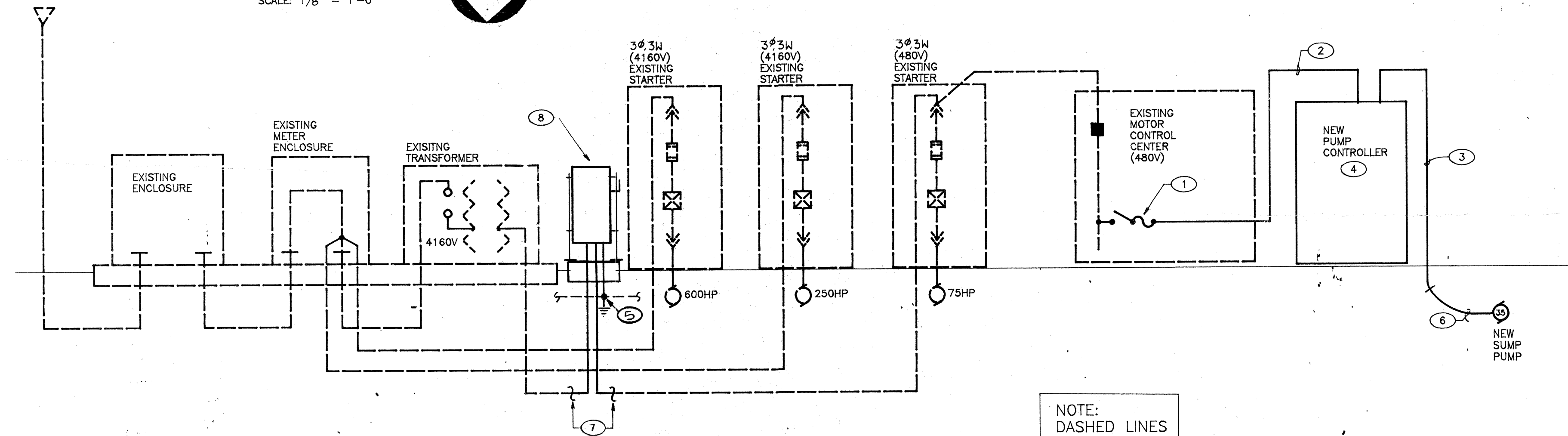
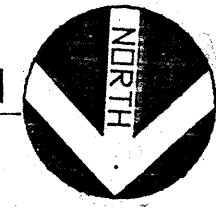


CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT					
COMMERCIAL AT BELL PUMP STATION WET WELL IMPROVEMENTS ALBUQUERQUE PHASE-II PUMP STATION REHABILITATION					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	Rep. [Signature]	4/30/90	Liquid Waste	N/A RWK	4-30-90
A.C.E. - Design			Traffic	N/A DWH	5/1/90
A.C.E. - Hydrology	Stan. [Signature]	4/19/90	Water	N/A RWK	4-30-90
DRAWING NO.	3077	MAP NO.	L-14N	SHEET	11 OF 16



ELECTRICAL PLAN

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

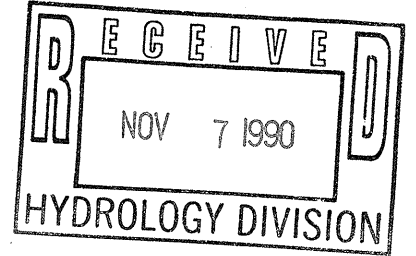


POWER RISER DIAGRAM

NOTE:
DASHED LINES
INDICATES
EXISTING
EQUIPMENT
WIRING ETC.
TO REMAIN

KEYED NOTES

1. REMOVE EXISTING 3Ø/3P FUSIBLE SWITCH IN EXISTING MCC AND INSTALL NEW 100Ø/3P FUSIBLE SWITCH WITH BUSS 65Ø RTN FUSES.
2. 3 #6 + 1 #10 GROUND IN 1 1/4" C.
3. SPECIAL FLEXIBLE CABLE FURNISHED BY SUBMERSIBLE PUMP SUPPLIER AND INSTALLED IN 2" PVC COATED RGS CONDUIT. CABLE IS SPECIFIED TO INCLUDE 3 #4 PWR, 2 #10 CONTROL, 1 #6 GROUND, AND 1 #10 GROUND CHECK CONDUCTORS. CABLE SHALL BE PROCURED LONGER THAN REQUIRED AND FIELD MEASURED AND CUT TO ALLOW PUMP REMOVAL AND REINSTALLATION PER MANUFACTURER'S RECOMMENDATIONS.
4. NEW PUMP CONTROLLER. SEE SPECIFICATIONS.
5. BOND NEW 1 #2 GROUND, 3/4" C. TO NEW 3/4" X 10'-0" COPPER CLAD STEEL GROUND ROD, 1'-0" BELOW GRADE. BOND ALSO TO EXISTING GROUND CONDUCTOR.
6. SPECIAL CABLE, FURNISHED WITH PUMPS AND INSTALLED BY PUMP SUPPLIER.
7. DISCONNECT AND REMOVE EXISTING 3 #2/0 + 1 #2 GROUND FROM 2" C. INTERCEPT 2" C. AND REROUTE AS SHOWN TO NEW 200Ø/3P FUSIBLE DISCONNECT SWITCH ON STANCHION. PROVIDE NEW 3 #2/0 + 1 #2 GROUND IN 2" C. FROM DISCONNECT SWITCH TO TRANSFORMER SECONDARY.
8. 200Ø, 3P FUSED DISCONNECT SWITCH IN NEMA 3Ø ENCLOSURE EQUIPPED WITH 200Ø RK1 LOW PEAK DUAL ELEMENT FUSES. USE CUTLET-HAMMER 367NRB OR WESTINGHOUSE RHW OR EQUAL. INSTALL DISCONNECT SWITCH ON BRACED WELDED STEEL VERTICAL SUPPORTS WITH BASE PLATES SECURED TO CONCRETE PAD USING TYPE 304 STAINLESS STEEL EXPANSION ANCHORS.
9. EXISTING PRESSURE (LEVEL) SWITCH, BUBBLER AND FLOAT SWITCH, CIRCUITS TO MOTOR CONTROL CENTER. PROTECT DURING CONSTRUCTION.
10. 4 #1Ø, 1/2" C. TO NEW PUMP CONTROL PANEL. CONNECT NEW PUMP SAME AS EXISTING.



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT					
COMMERCIAL AT BELL PUMP STATION ELECTRICAL PLAN, RISER DIAGRAM AND CONTROL WIRING DIAGRAM ALBUQUERQUE -- PHASE II PUMP STATION REHABILITATION					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	5/14/90	Liquid Waste	N/A RWK	4-30-90
A.C.E.—Design	<i>[Signature]</i>	5/14/90	Traffic	N/A DWH	5/1/90
A.C.E.—Hydrology	<i>[Signature]</i>	4/19/90	Water	N/A RWK	4-30-90
DRAWING NO.	3077	MAP NO.	L-14N	SHEET	13 OF 16