

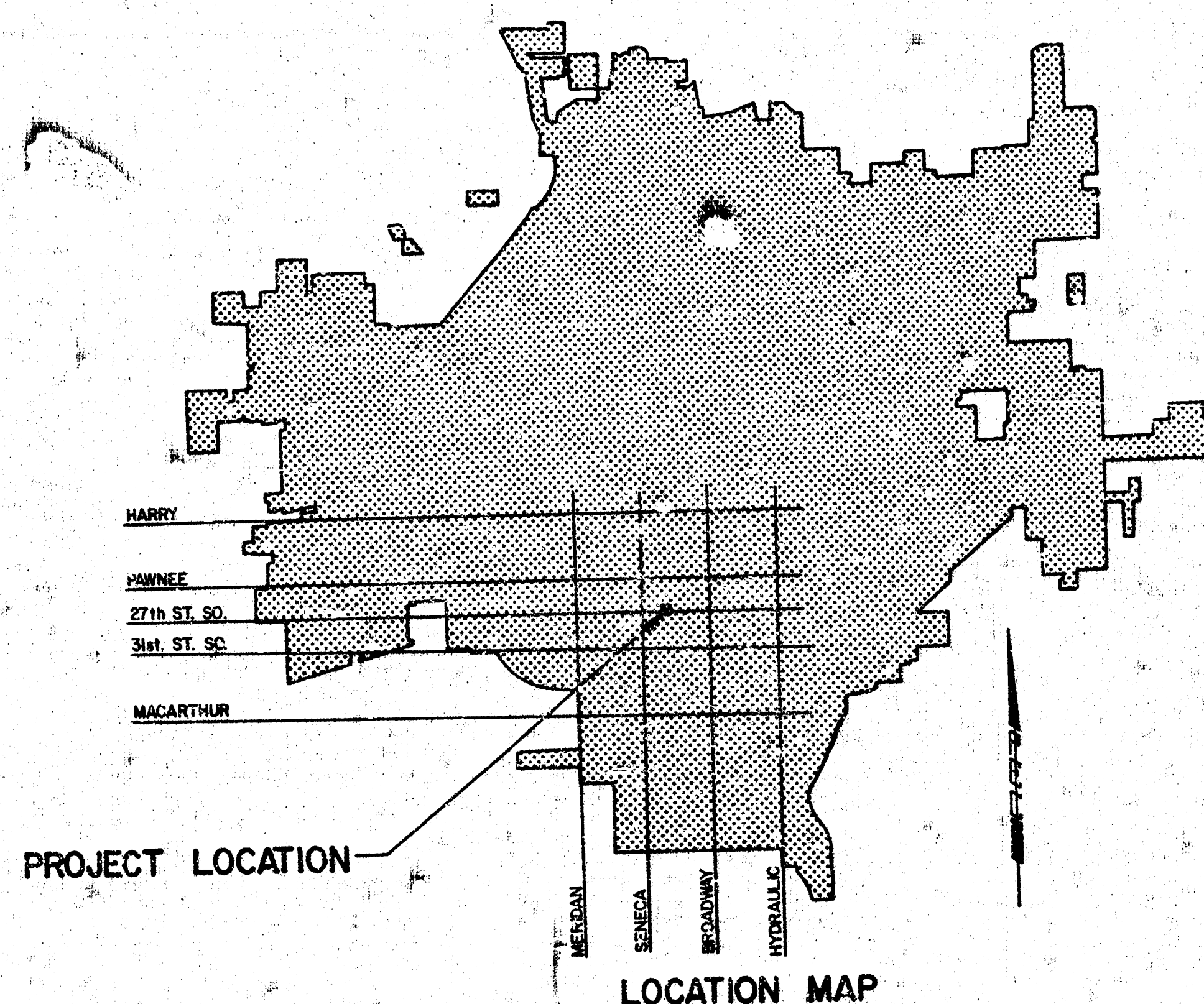
IMPROVEMENT PLANS FOR LIFT STATION NO. 7

LATERAL 2, SUBMAIN 4, SANITARY SEWER NO. 22 SOUTH
ON 27th ST. SOUTH BETWEEN SYCAMORE AND OAK

THE CITY OF WICHITA,
SEDGWICK COUNTY, KANSAS

INDEX OF SHEETS

SHEET NO. 1	TITLE SHEET
SHEET NO. 2	SITE LOCATION & SCHEDULES
SHEET NO. 3	DEMOLITION
SHEET NO. 4	MODIFICATIONS
SHEET NO. 5	MISCELLANEOUS DETAILS
SHEET NO. 6	ELECTRICAL

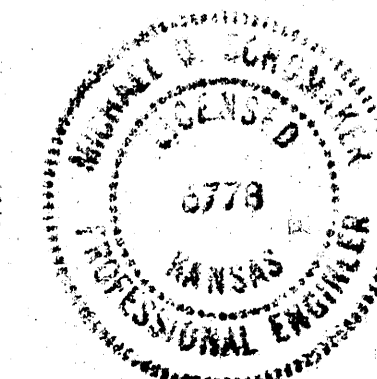
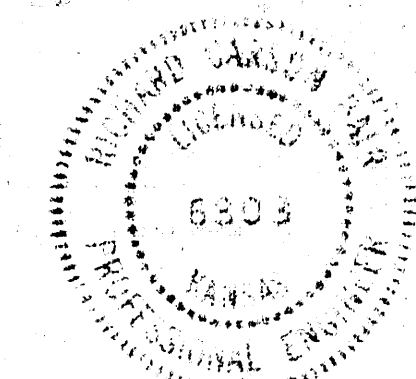


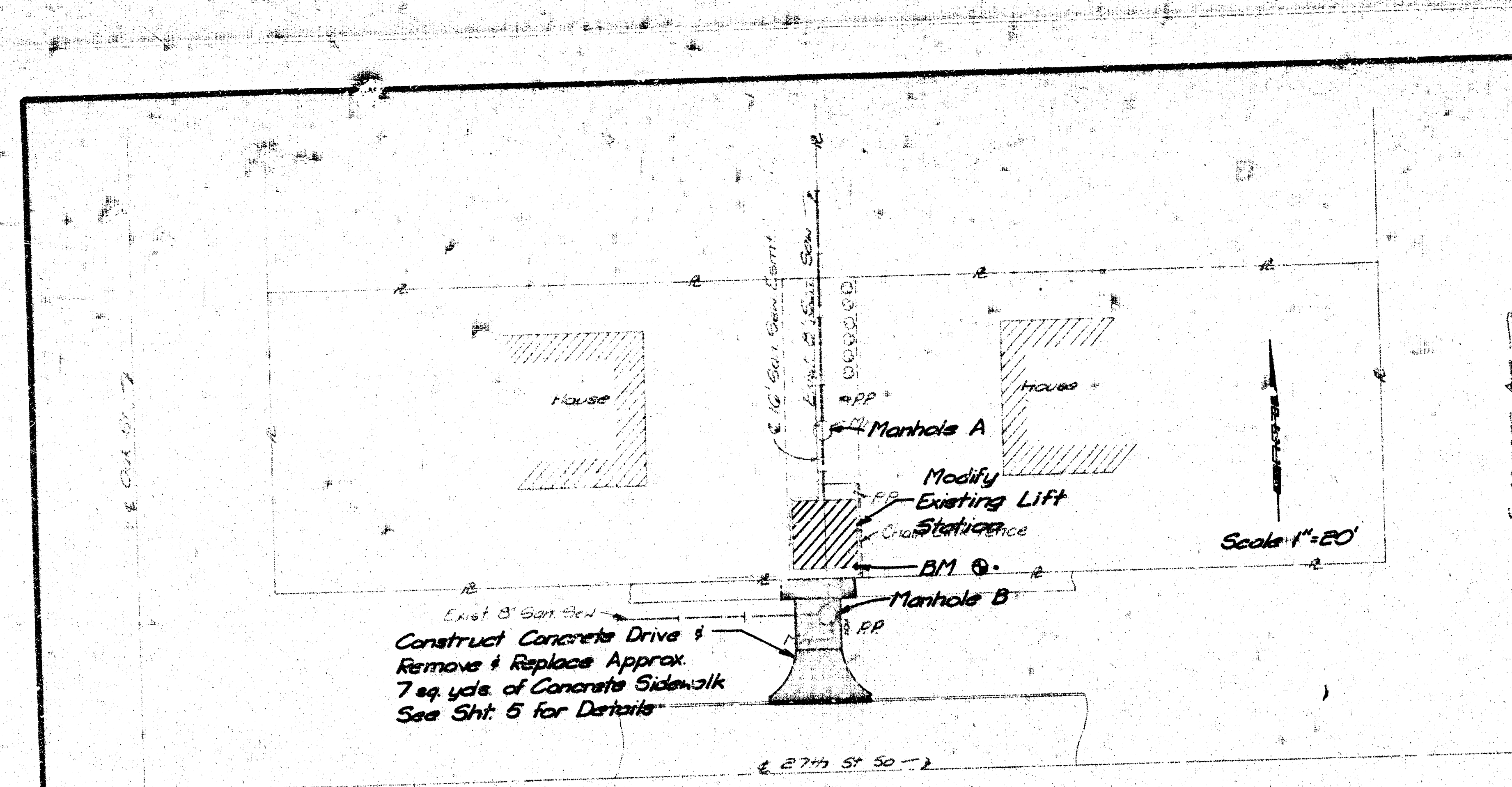
CITY OF WICHITA PROJECT NO. 468-76-245 - 81091 -000-000-001

APRIL 1981

PLANS PREPARED BY

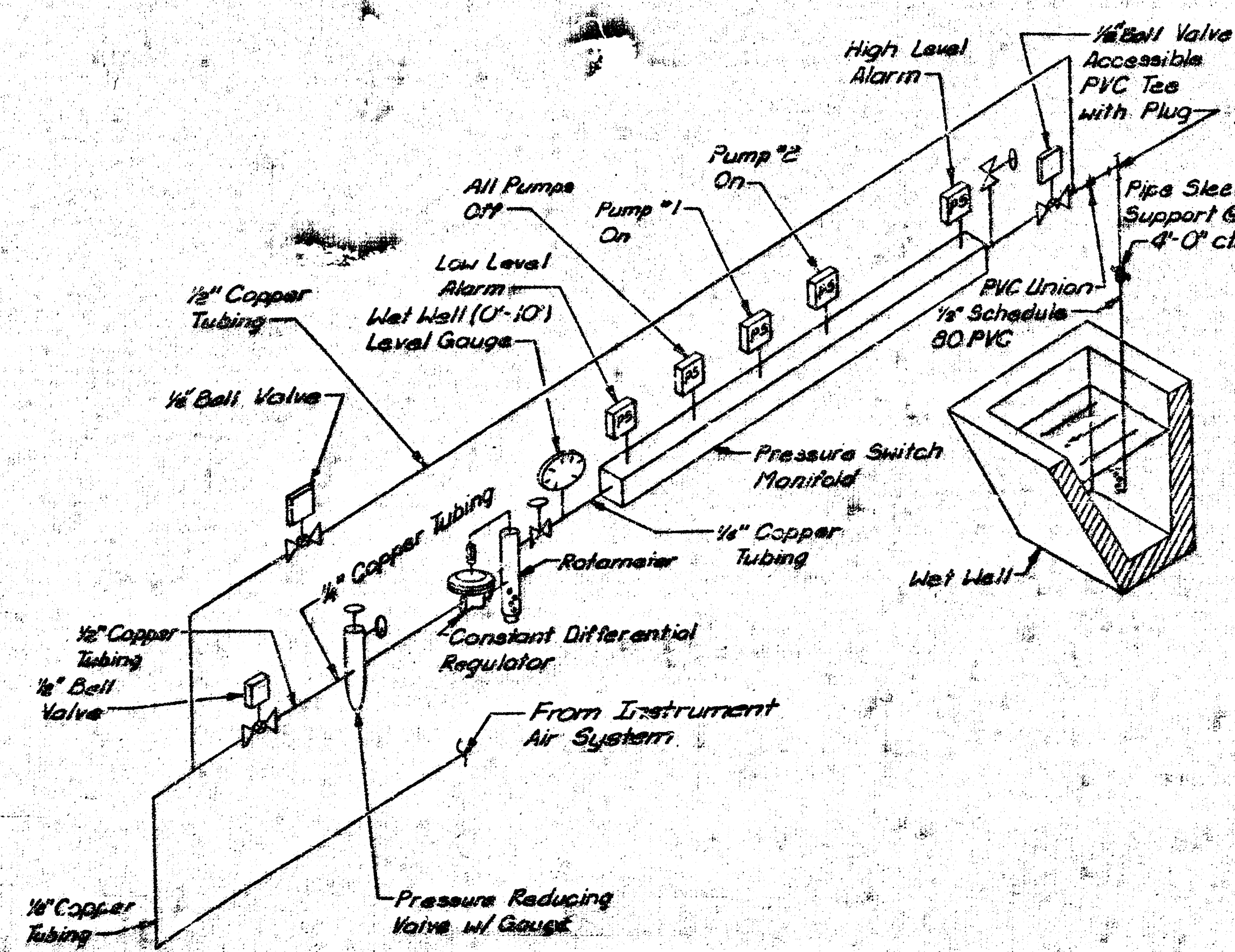
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
ENGINEERS
WICHITA, KANSAS



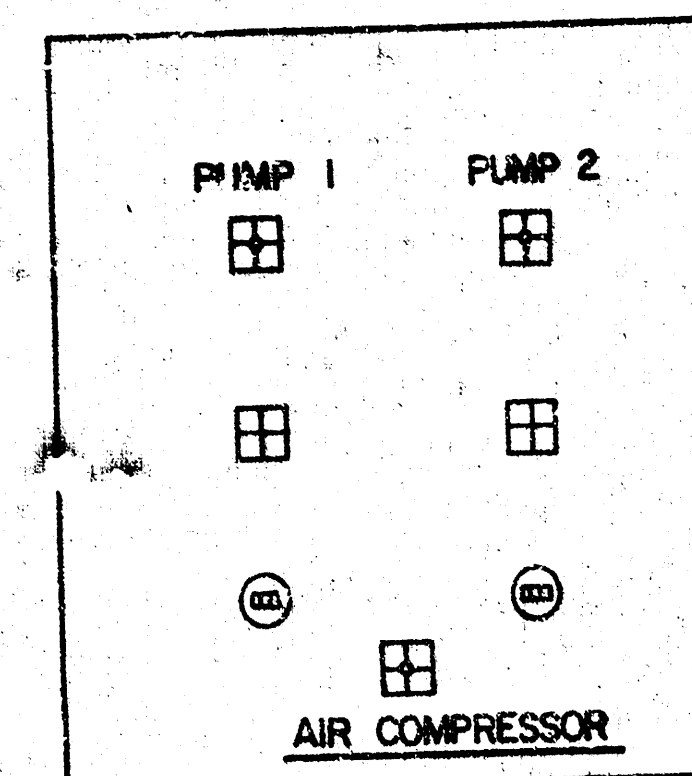


SITE LOCATION

Bench Mark: Top of Roof Slab
S.E. Corner Elev. = 070



BUBBLER CONTROL SYSTEM



PUMP CONTROL PANEL

LEGEND

- CONTROL SWITCHES
- INDICATOR LIGHTS
- ELAPSED TIME METERS

PLUG VALVES			
MARK	SIZE	FITTINGS	OPERATOR
PV-1	4"	F-F	Rot and Removable operator

CHECK VALVES			
MARK	SIZE	FITTINGS	OPERATOR
CV-1	4"	Wafer	Lever W/ Spring
CV-2	1 1/4"	Wafer	Lever W/ Spring

COMPRESSOR SCHEDULE							
NAME	CAPACITY (SCFM) FREE AIR	PRESSURE (PSI)	RANGE (PSI)	HP	SPEED	ELECTRICAL STARTER (SIZE/POLE)	ELECT. REFER.
Instrument Air Compressor	1.62	100	120-150	1/2	1750	240/60/3	Q/3 A-5

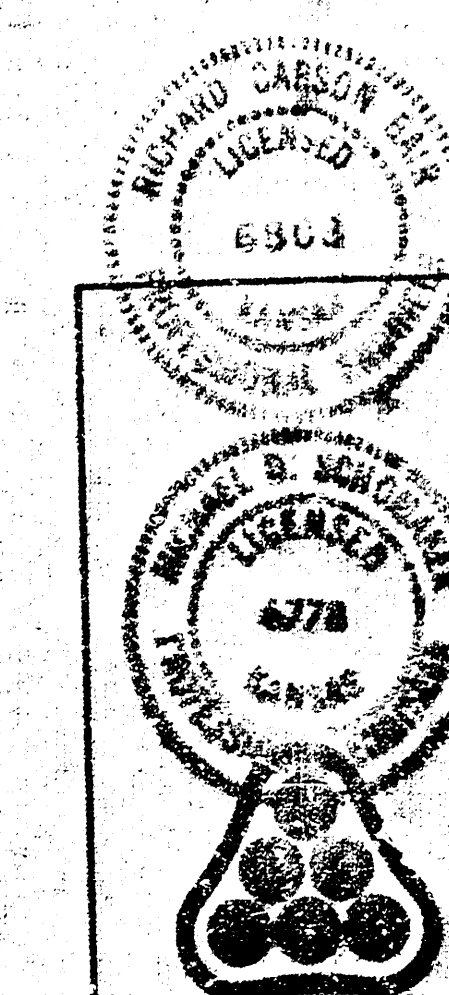
PUMP SCHEDULE													
MARK	NAME	TYPE	MINIMUM CAPACITY			MIN. SIZE CONN.		MOTOR				ELECT.	
			GPM	FT. HEAD	EFF.	SUCTION	DISCHARGE	HP	RPM	SPEED	ELECT.	(STARTER (SIZE POLE))	REFERENCE
P-1	Raw Pump #1	Sewage	150	9.5	54%	4"	4"	2	875	900	240/60/3	Q/3	SERVICE ENCLOSURE
P-2	Raw Pump #2	Sewage	150	9.5	54%	4"	4"	2	875	900	240/60/3	Q/3	SERVICE ENCLOSURE
P-3	Sump Pump	Submersible	50	14	N/A	2"	1 1/2"	1/3	1750	1750	120/60/4	N/A	A-1

PAINT SCHEDULE					
(Included in Base Bid)					
Item	Surface Preparation	Factory Prime	Field Prime	Intermediate Coating	Final Coating
Pump Station Interior Walls, Ceiling, Floors, Conduits, etc.	B	N/A	-	C	A
Existing Handrails, Gates, and Ladders	B	N/A	B	N/A	A
Pumps	B	-	B	-	A
Piping & Valves	B	-	B	N/A	A
Wat. Well	E	-	B	-	A

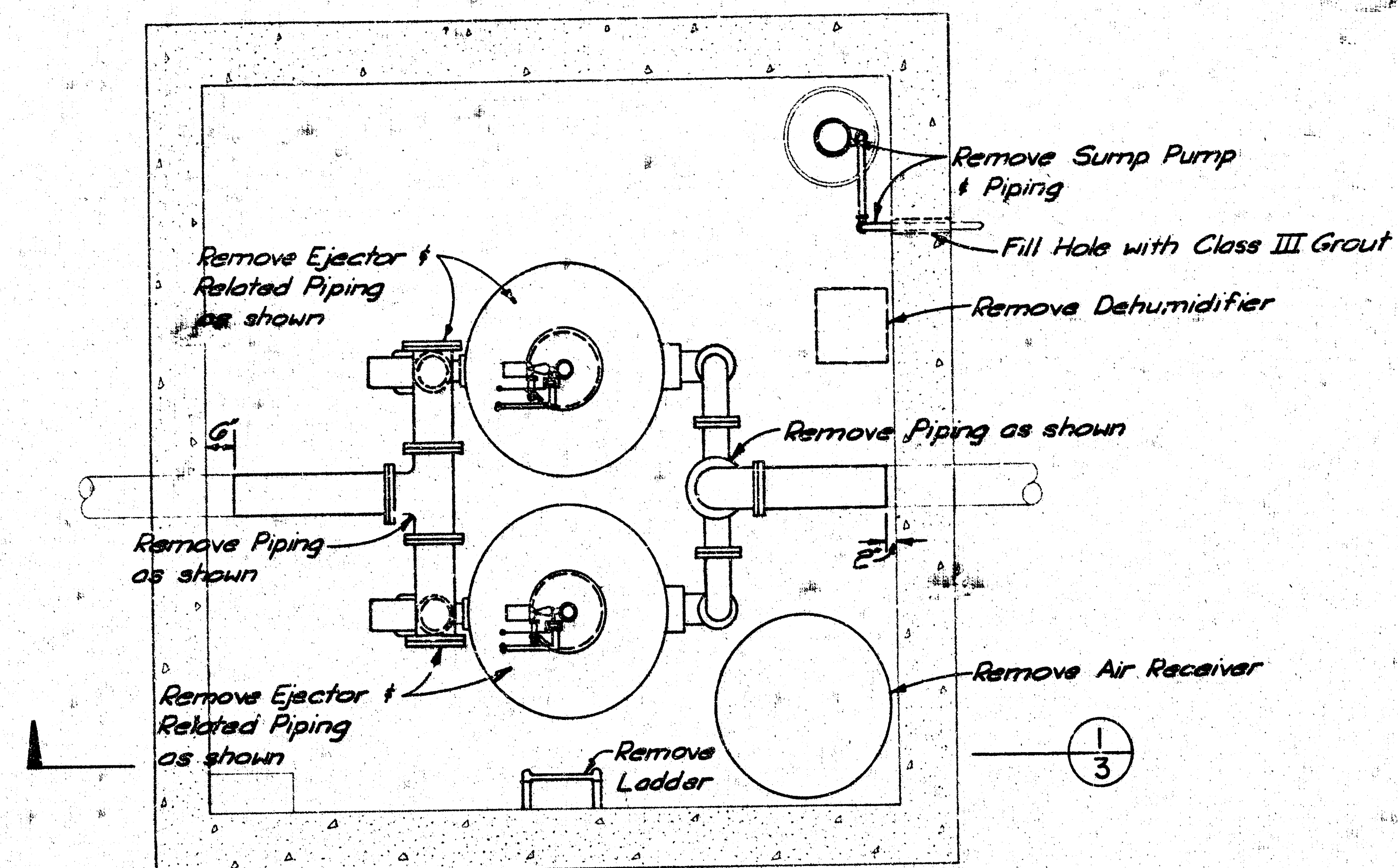
GENERAL NOTES

- THE CONTRACTOR SHALL CONTAIN HIS OPERATIONS TO PERMIT TRAFFIC THRU 27TH STREET AT ALL TIMES. THE CONTRACTOR SHALL ERECT WARNING SIGNS, FLASHING LIGHTS, AND BARRICADES IN COMPLIANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES TO ENSURE SAFETY AS DIRECTED IN THE GENERAL CONDITIONS OF THE SPECIFICATIONS.
- ALL FENCE DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED AND REPLACED TO EXISTING CONDITION.
- ALL EXCESS EXCAVATION AND DEBRIS SHALL BE REMOVED FROM THE JOB SITE BY THE CONTRACTOR.
- NO DEMOLITION MATERIALS SHALL BE STORED ON THE SITE.
- THE CONTRACTOR WILL BE REQUIRED TO NOTIFY KANSAS GAS AND ELECTRIC COMPANY, 1500 E. CENTRAL, 264-1111 (EXT. 248), JERRY LANE, PRIOR TO THE BEGINNING OF CONSTRUCTION.
- ALL AREAS DISTURBED BY THE CONSTRUCTION SHALL BE RESODDED WITH FESCUE BY THE CONTRACTOR.
- ALL CONCRETE SHALL BE CLASS I MIX; ALL GROUT SHALL BE CLASS III MIX. CHAMFER ALL EXPOSED EDGES WITH 3/4 INCH MOLDING.
- THE CONTRACTOR SHALL NOT ALLOW SEWAGE TO BACK UP IN MANHOLE "A" DUE TO HIS CONSTRUCTION OPERATIONS OR OTHER REASON DURING THE CONTRACT TIME. THE CONTRACTOR SHALL SUBMIT IN WRITING TO THE ENGINEER A CONTINGENCY OR EMERGENCY PLAN FOR PROVIDING PROTECTION AGAINST THE SITUATION OUTLINED ABOVE.
- THE CONTRACTOR SHALL SUBMIT IN WRITING PRIOR TO COMMENCING ANY WORK A CONSTRUCTION SEQUENCE TO THE ENGINEER FOR REVIEW.
- SHOULD THE CONTRACTOR ELECT TO BYPASS THE LIFT STATION AND PUMP FROM MANHOLE "A" TO MANHOLE "B" DURING ANY PORTION OF THE WORK, HE MUST SUBMIT HIS PROCEDURES IN WRITING TO THE ENGINEER FOR APPROVAL.
- ALL ELEVATIONS ARE IN CITY DATUM.

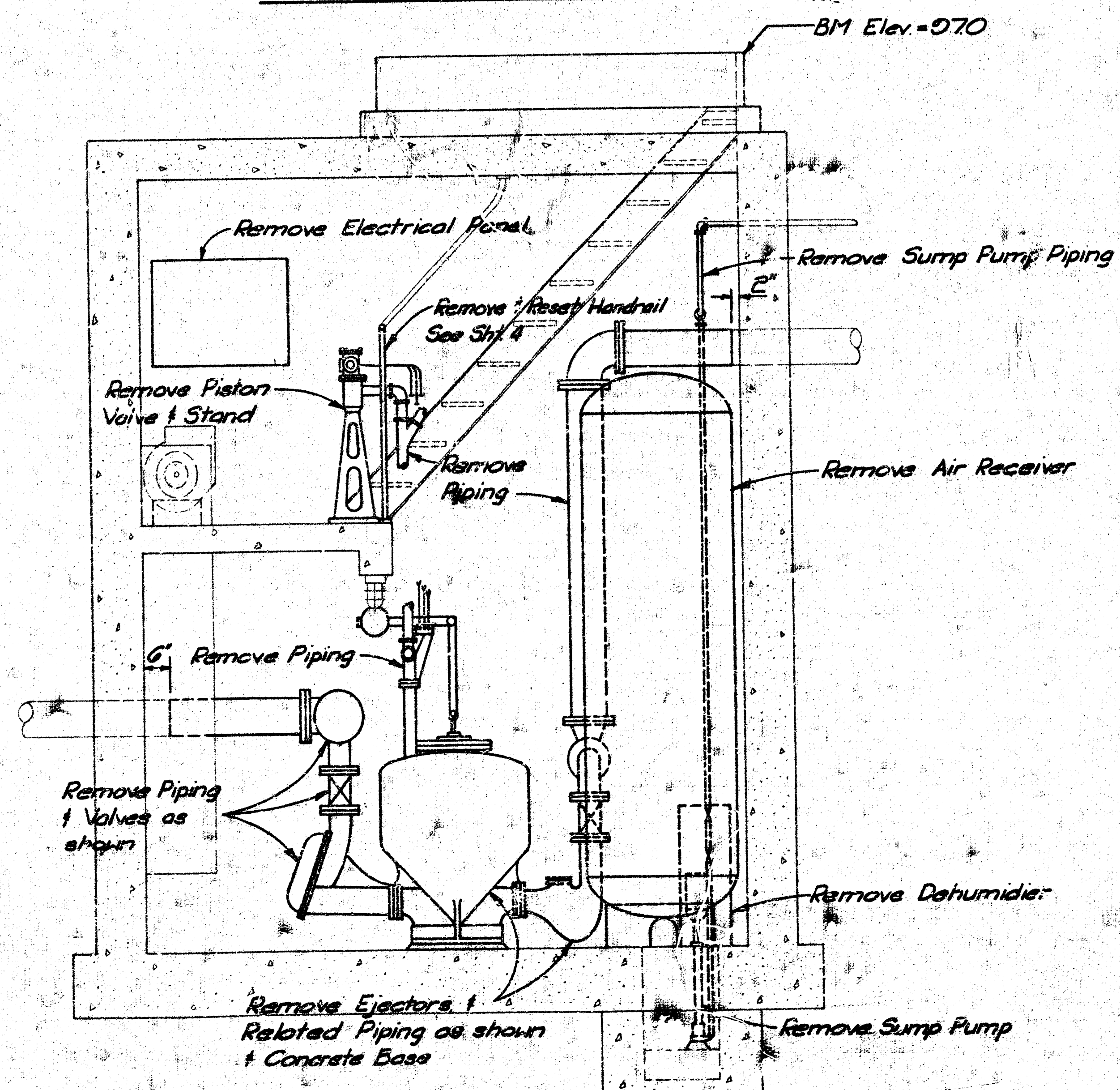
PAINT LEGEND	
PRIMERS	
A.	Inorganic Zinc Primer
B.	Epoxy Primer
C.	Alkyd - Phenolic Universal
D.	Vinyl - Acrylic Latex Block Filler
E.	Acrylic Latex
F.	Vinyl Wash Primer
G.	Modified Epoxy
H.	Modified Epoxy Block Filler
I.	Waterproofing
INTERMEDIATE COATINGS	
A.	Acrylic Latex
B.	Alkyd Enamel
C.	Epoxy
FINAL COATINGS	
A.	Epoxy
B.	Alkyd Enamel
C.	Acrylic Latex
D.	Waterproofing
SURFACE PREPARATION	
A.	General
B.	Commercial Sandblast
C.	New White Sandblast
D.	Pickling or Wire Brush
E.	Brush Offblast



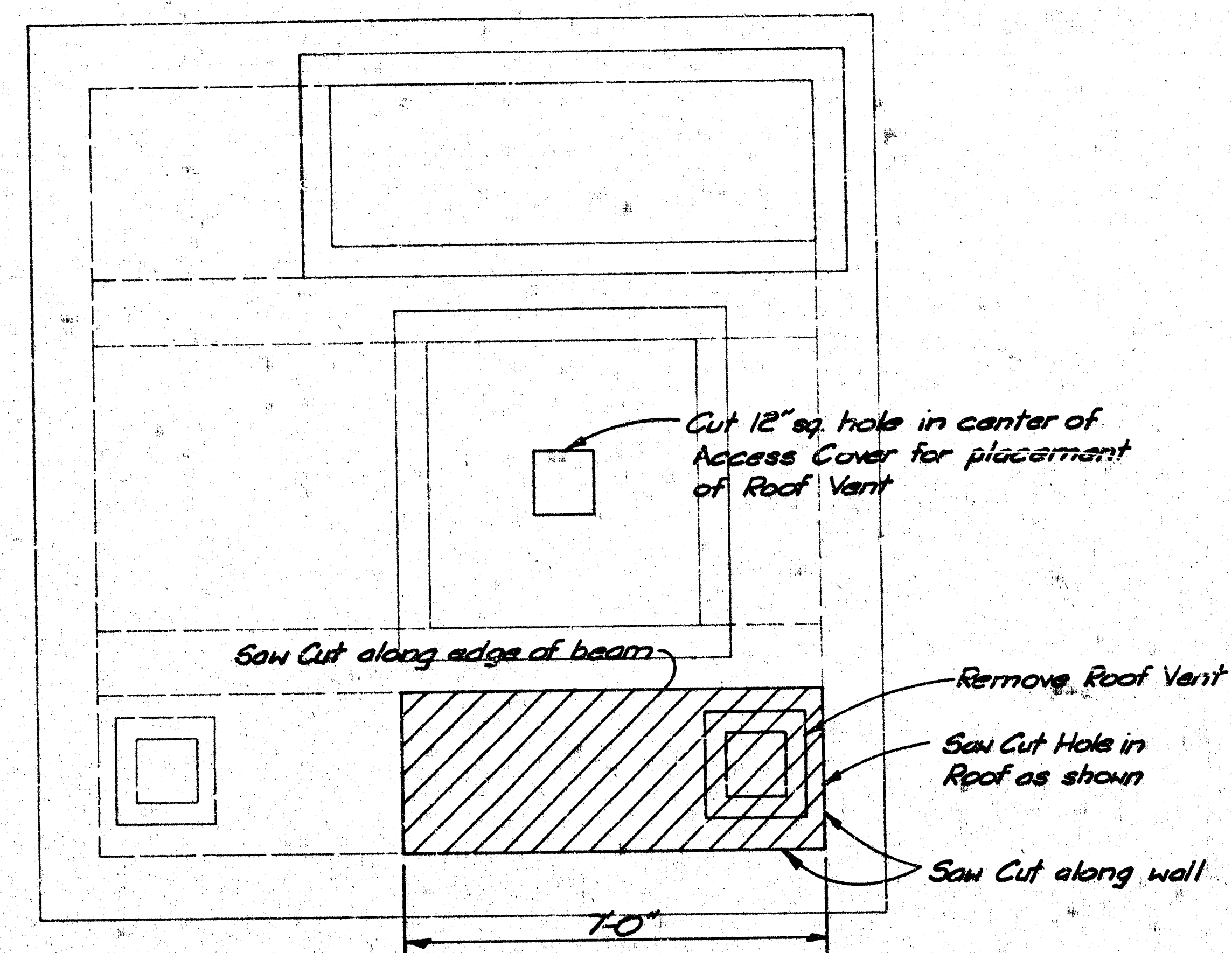
Revision	By	Date
QTY OF WICHITA, KANSAS LATERAL 2, SEWAGE SANITARY SEWER NO. 22 SOUTH LIFT STATION NO. 7 C. OF W. PROJECT NO. 468-76-248-1001-000-000-001 SITE LOCATION AND SCHEDULES PROFESSIONAL ENGINEERING CONSULTANTS, P.A. ENGINEERS WICHITA, KANSAS Designed by RCB CLK Job No. 34-0000 12/16 of 6 Drawn by DEP Date April 1991		



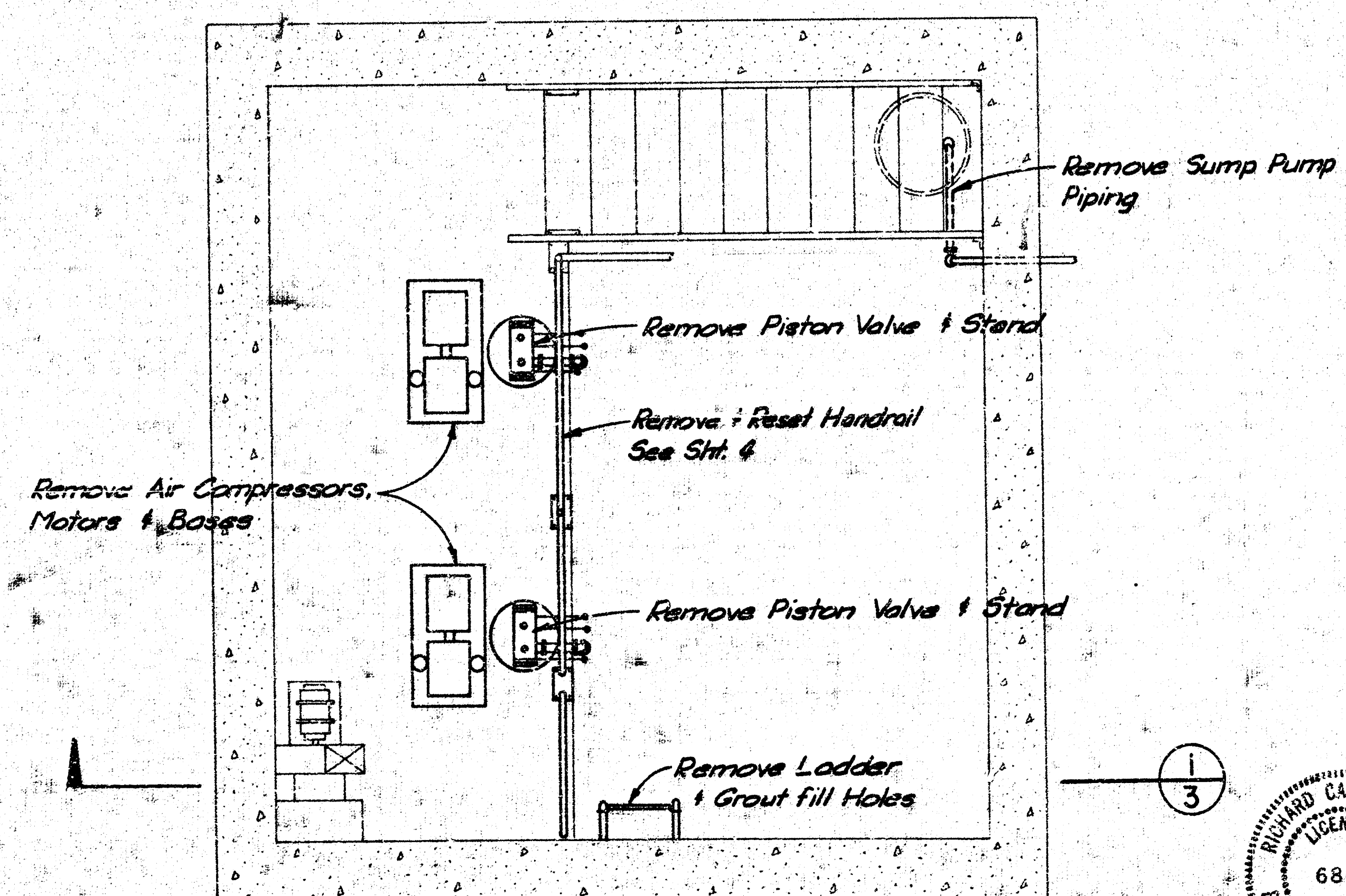
LOWER LEVEL FLOOR PLAN



SECTION 1/3



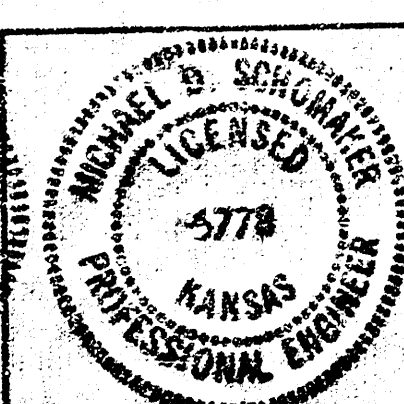
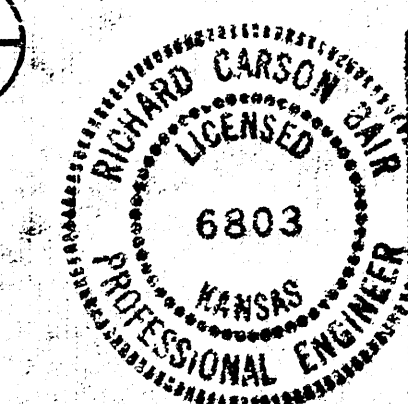
ROOF PLAN



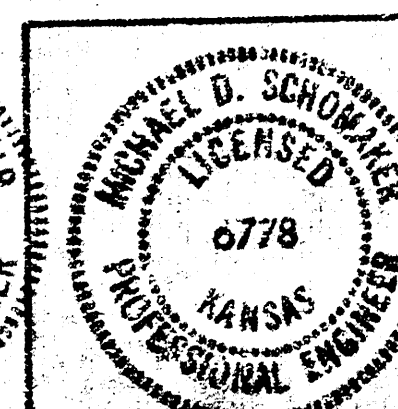
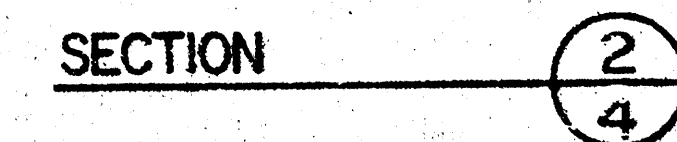
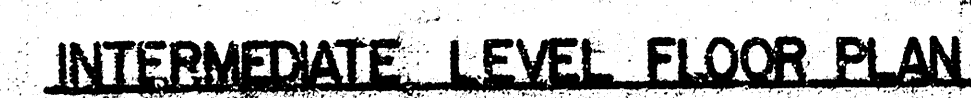
INTERMEDIATE LEVEL FLOOR PLAN

NOTE: All salvagable materials as determined by the engineer delivered to the City Maintenance Yards.

SCALE: 1/2" = 1'-0" (TYP)

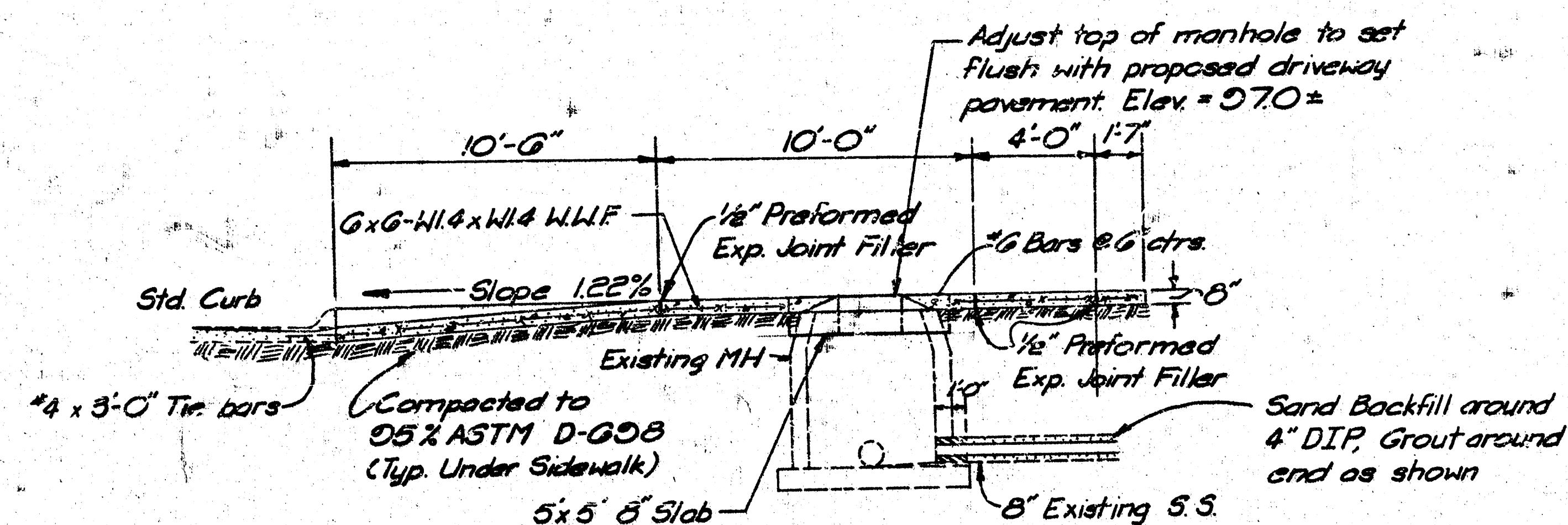


No.	Revision	By	Date
CITY OF WICHITA, KANSAS LATERAL 2, SUBMAIN 4 SANITARY SEWER NO. 22 SOUTH DEMOLITION LIFT STATION NO. 7 C. OF W. PROJECT NO. 468-76-245-8108-000-000-001 PROFESSIONAL ENGINEERING CONSULTANTS, P.A. ENGINEERS WICHITA, KANSAS			
Designed by	RCB, CNK	Job No.	34-21068
Drawn by	DFP	Date	April, 1981
		Sht.	3 of 6

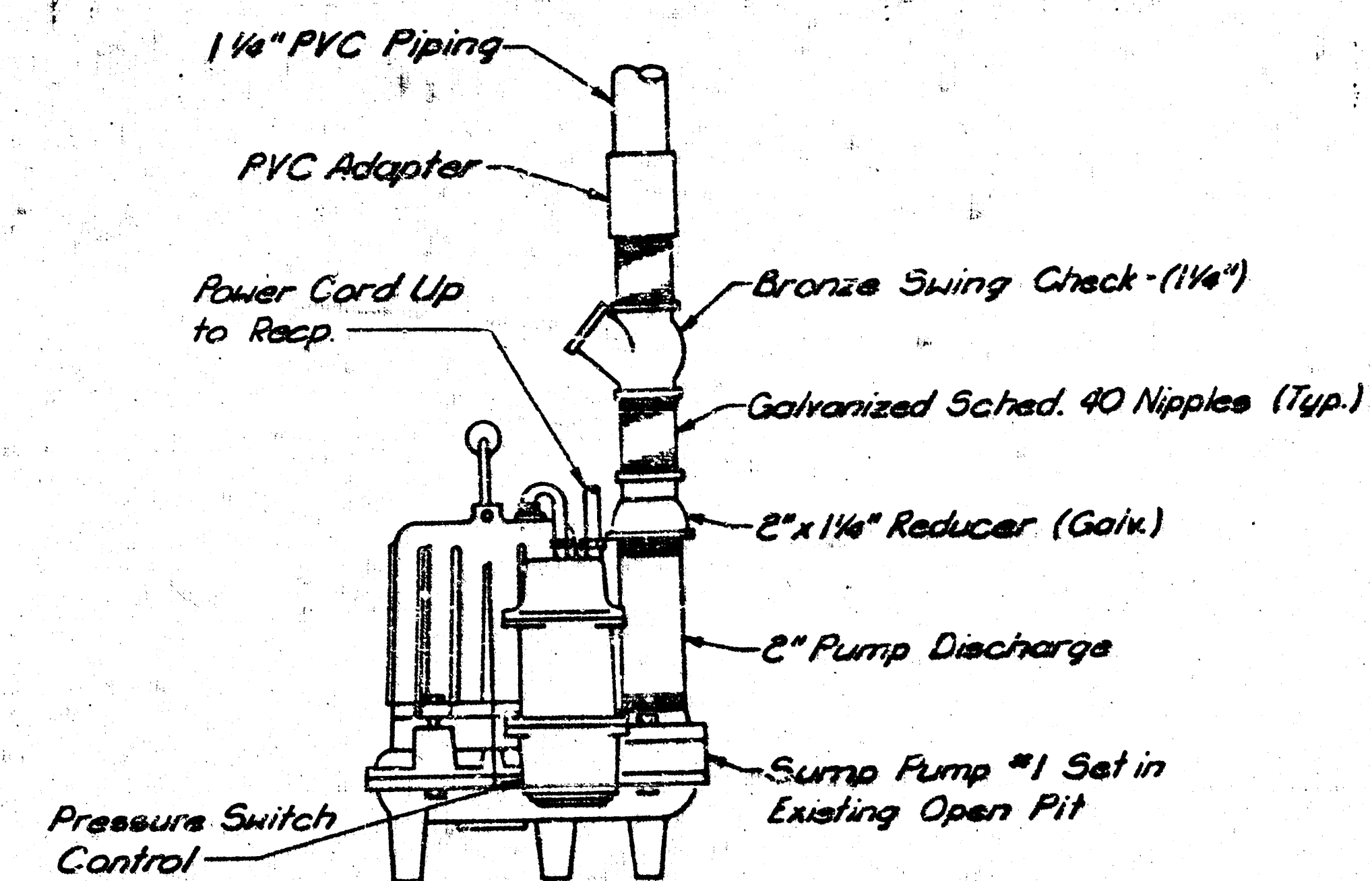


No.	Revision	Dr.	Date
	CITY OF WICHITA, KANSAS LATERAL 2, SUGMAN 4 SANITARY SEWER NO. 22 SOUTH MODIFICATIONS LIFT STATION NO. 7 C. OF W. PROJECT 100 469-76-245-10501-000-000-001 PROFESSIONAL ENGINEERING CONSULTANTS, P.A. ENGINEERS WICHITA, KANSAS		
Designed by <i>RCB, CLK</i>	Job No. <i>98-81068</i>	Sht. <i>4</i> of <i>6</i>	
Drawn by <i>CLK</i>	Date <i>April, 1981</i>		

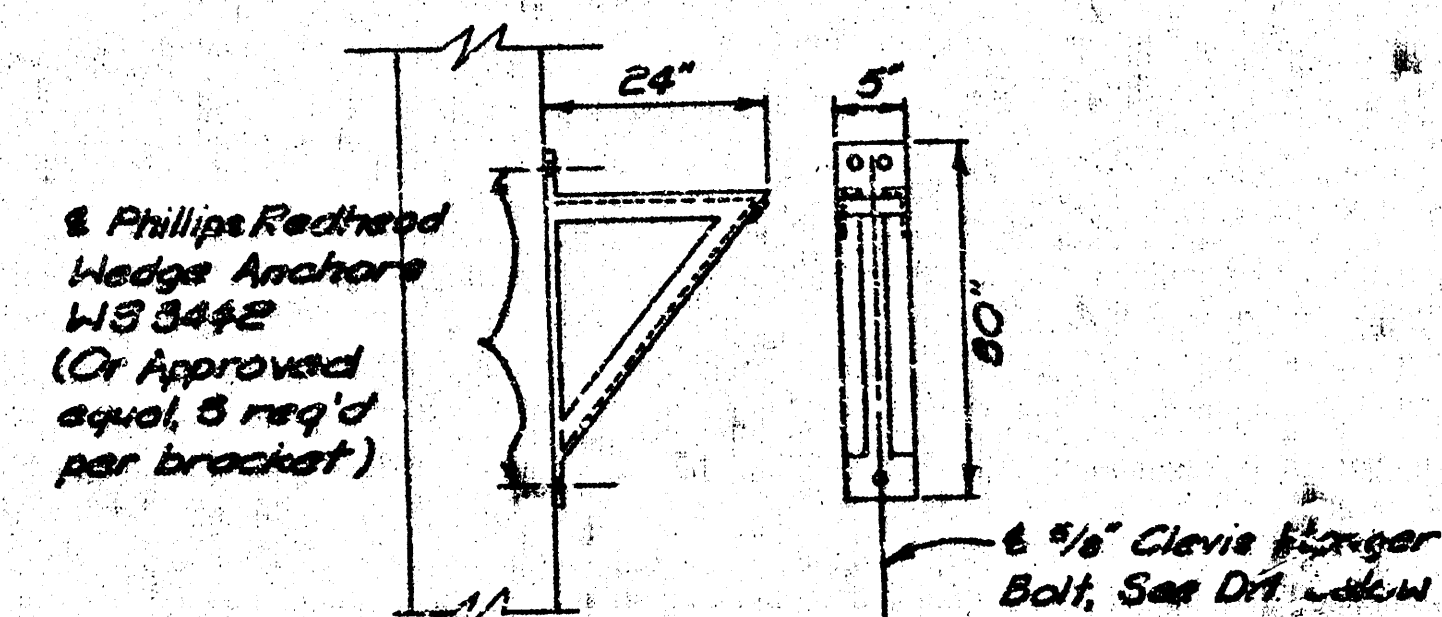
SCALE: 1/2" = 1'-0" (TYP.)



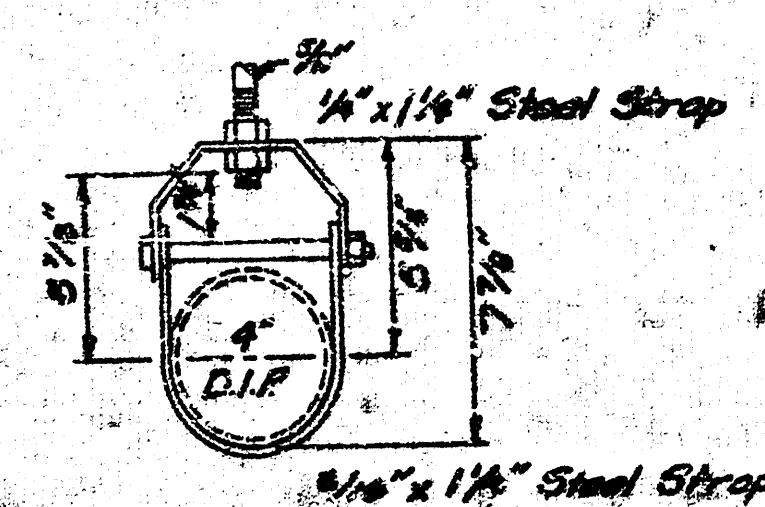
SECTION THRU DRIVE



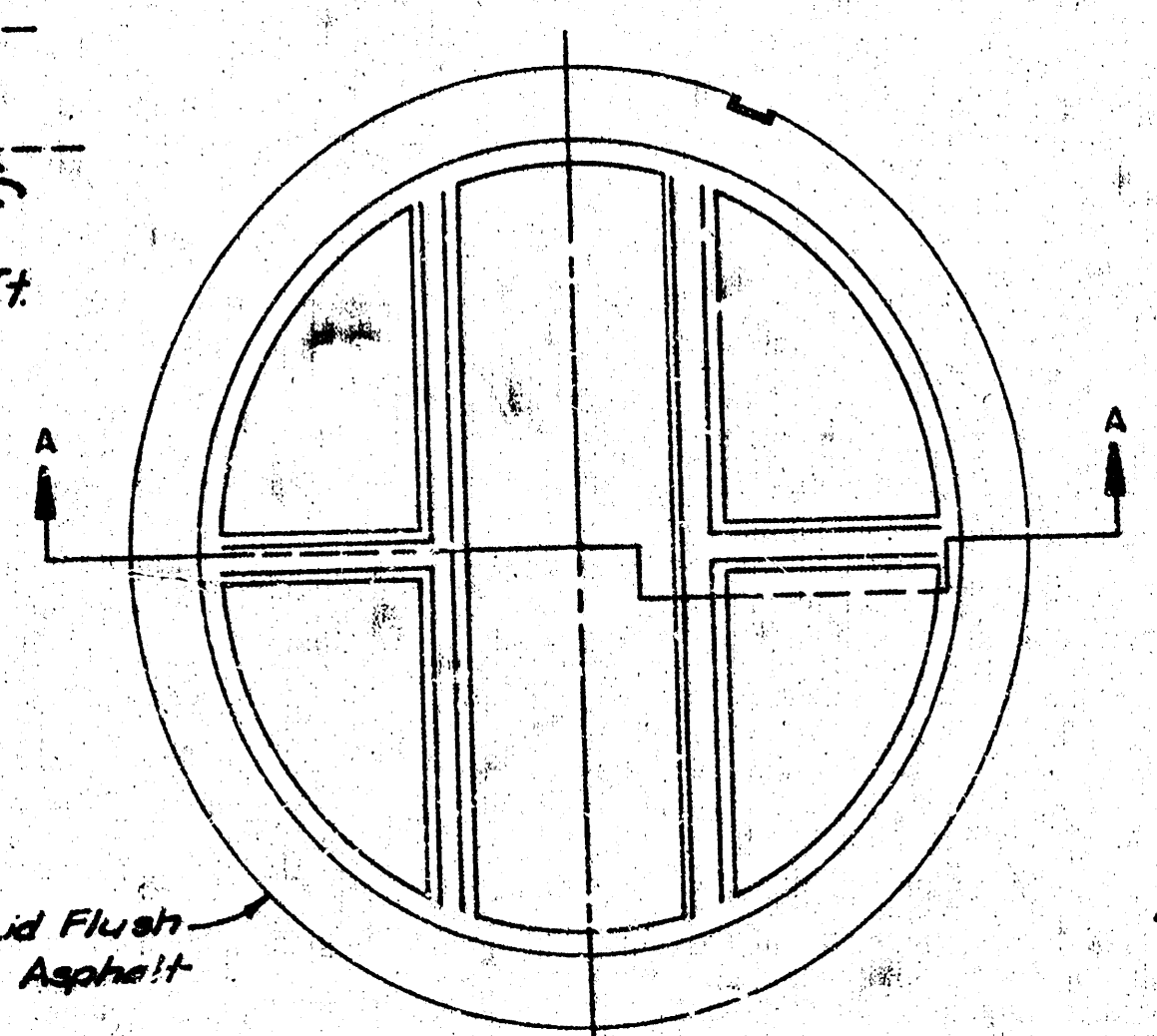
SUMP PUMP TYPING DETAIL (1)
NO SCALE 5



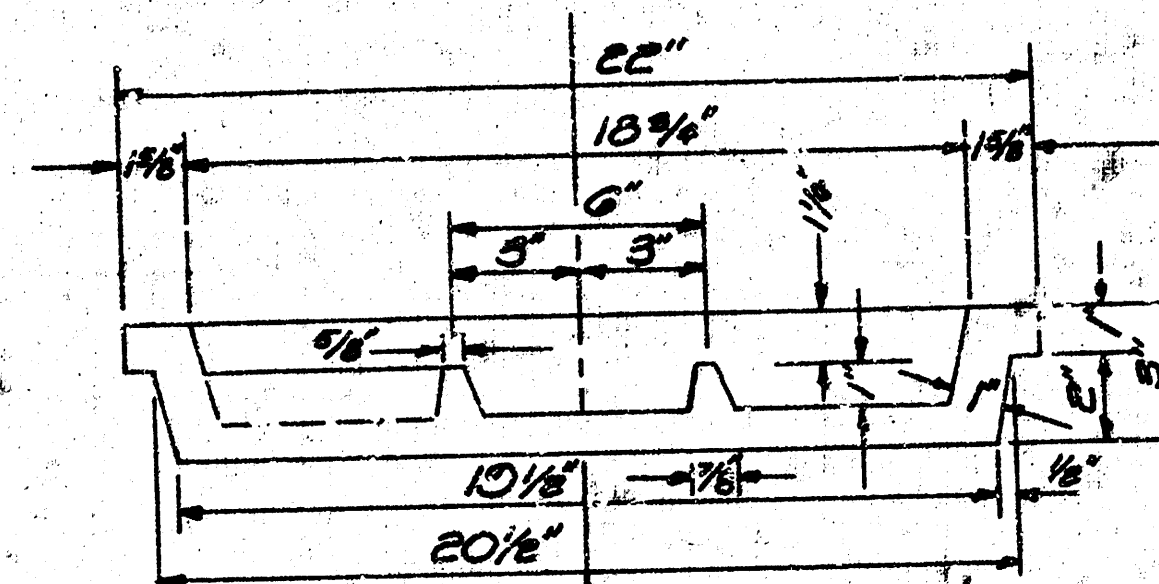
PIPE SUPPORT
BRACKET DETAIL



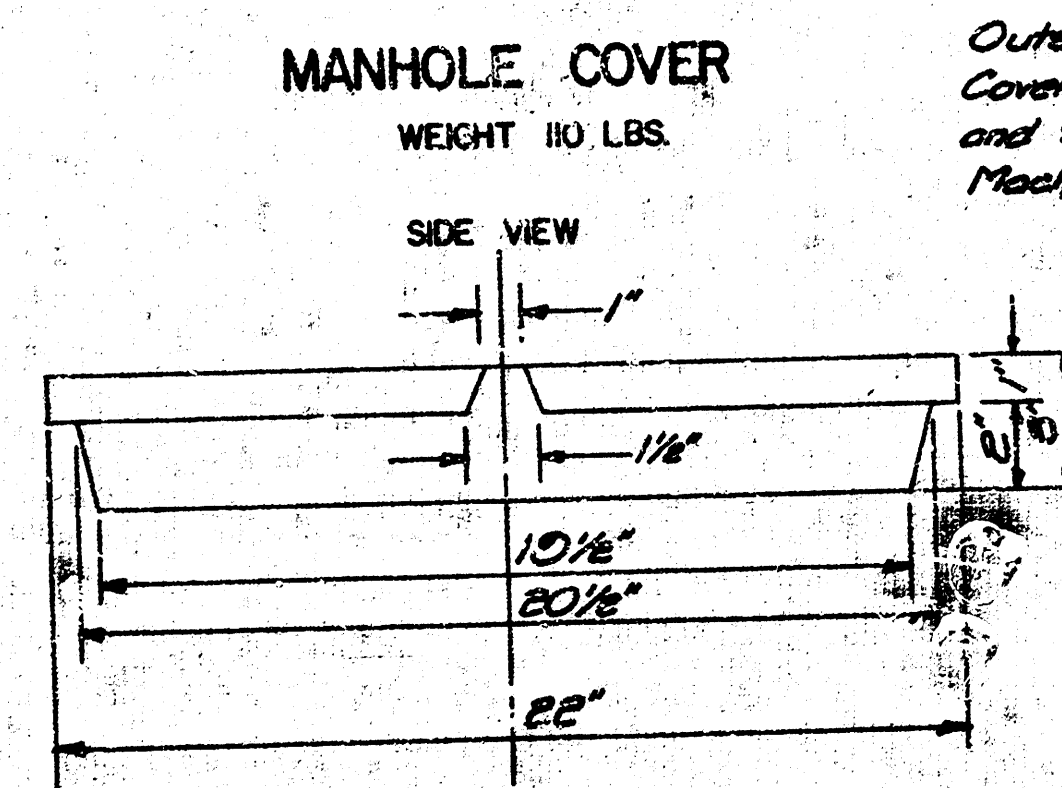
CLEVIS HANGER
DETAIL



TOP VIEW

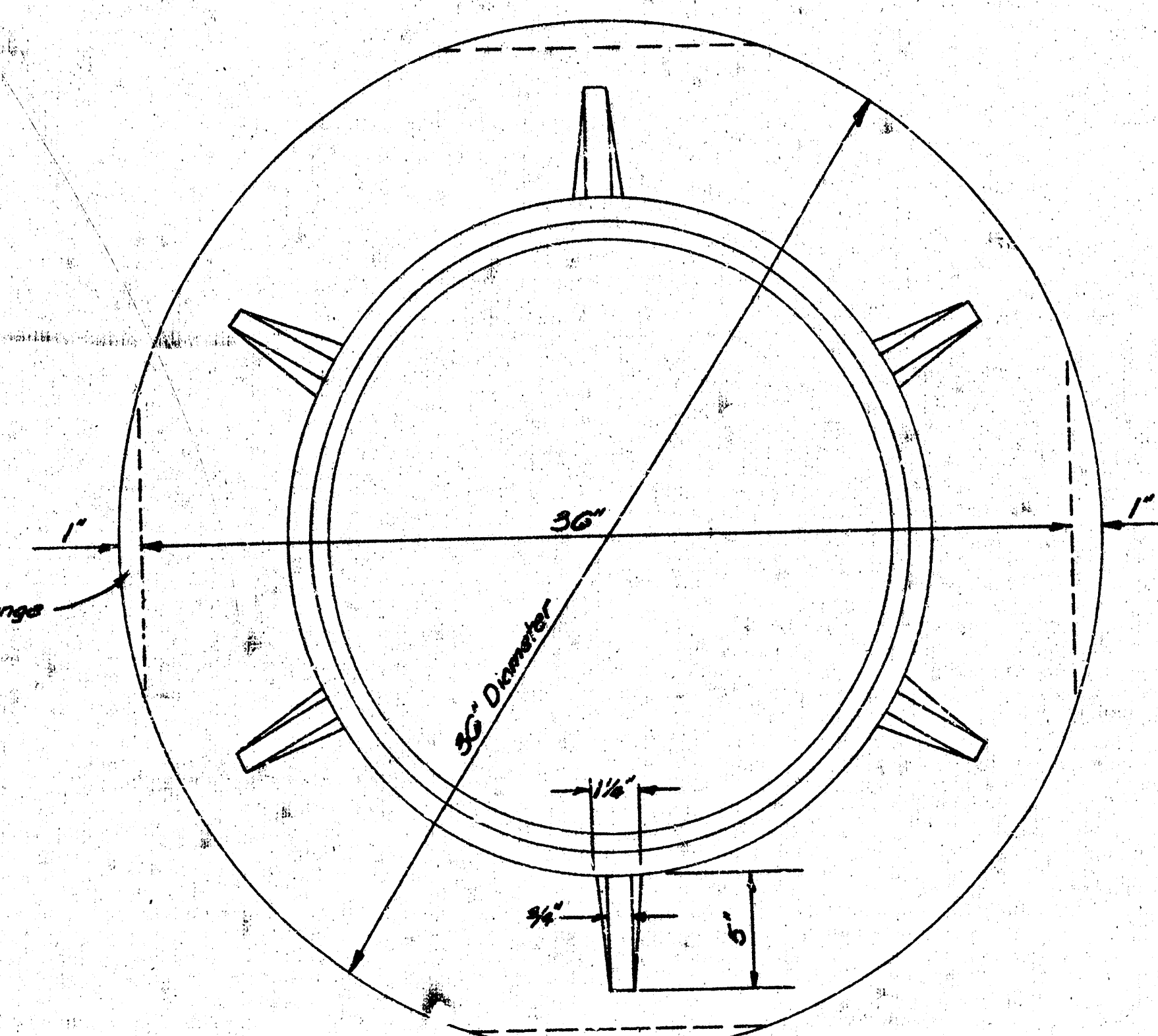


SECTION A-A



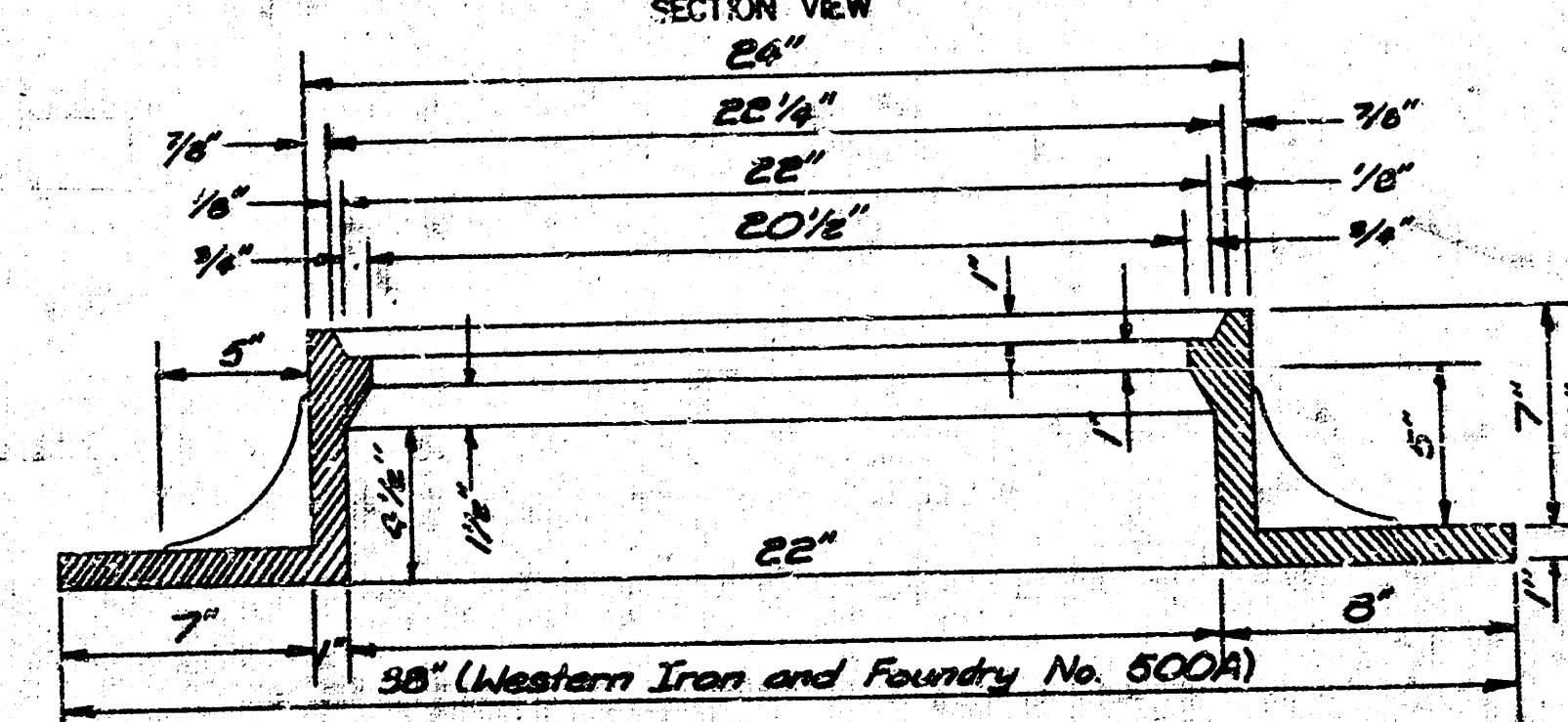
MANHOLE COVER
WEIGHT 110 LBS.

Outside Circumference of
Cover and the Inner Face
and Seat of Ring to its
Machine fit.

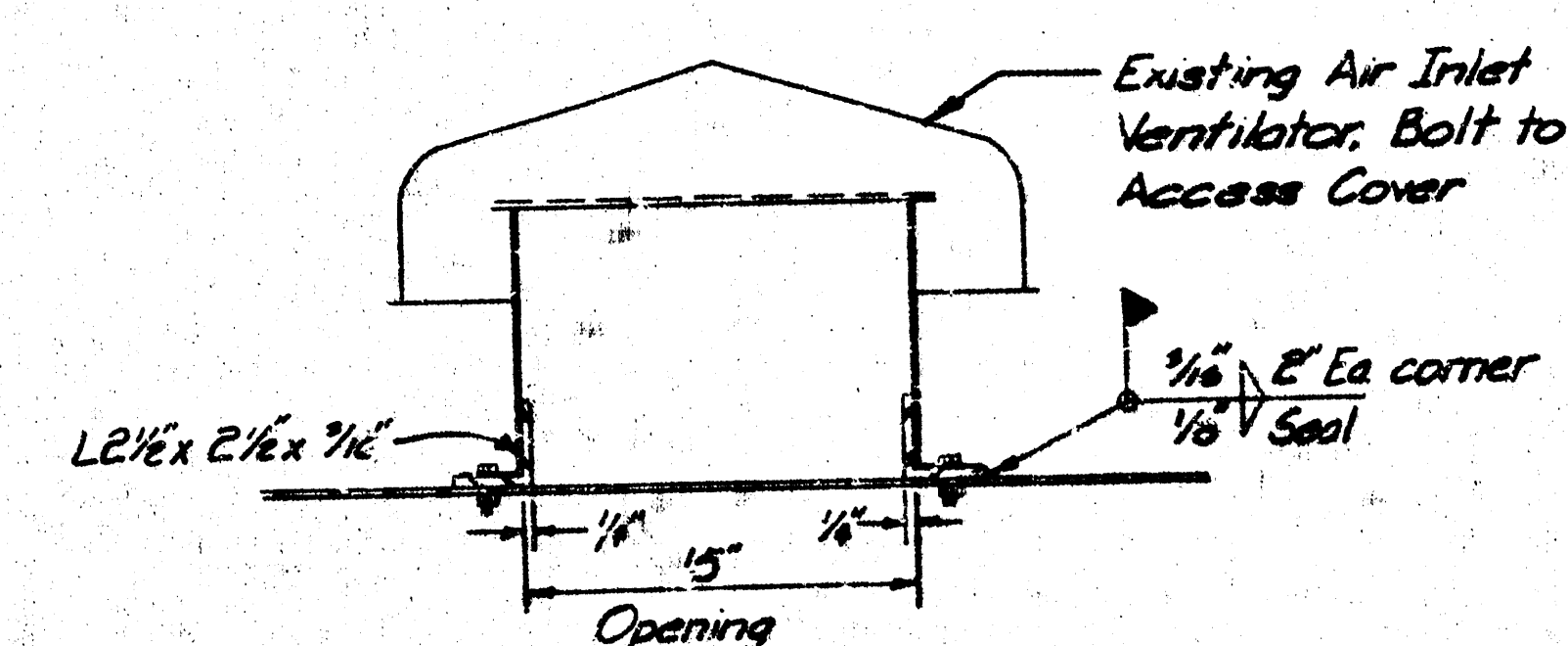


TOP VIEW

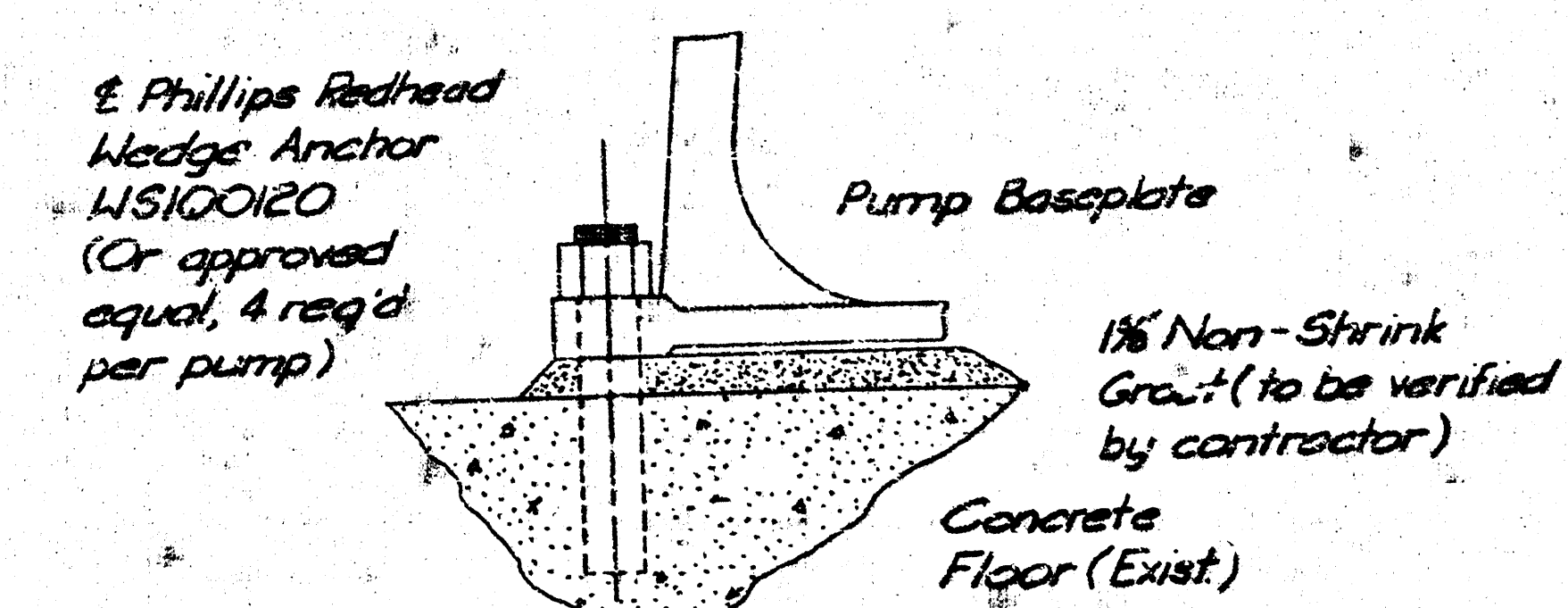
WEIGHT 325 LBS. RING



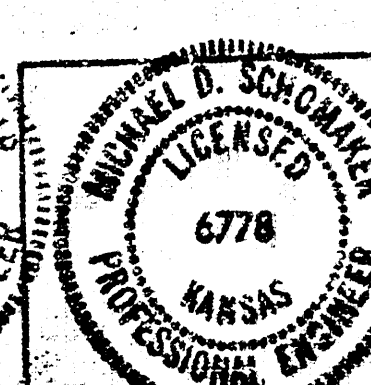
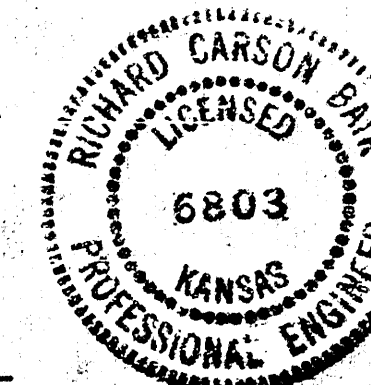
MANHOLE RING 4
5



VENTILATOR DETAIL (2)
NO SCALE (5)



PUMP FOUNDATION DETAIL (3)
No. Scale 5



No.	Revision	By	Date
CITY OF WICHITA, KANSAS LATERAL 2, SUBMAIN 4 SANITARY SEWER NO. 22 SOUTH			
MISCELLANEOUS DETAILS LIFT STATION NO. 7 C. OF W. PROJECT NO. 468-76-245-8069-000-000-001			
PROFESSIONAL ENGINEERING CONSULTANTS P.A. ENGINEERS WICHITA, KANSAS			
Designed by RCB, ENR	Job No. 34-8069	5/6 Sh. 5 of 6	
Drawn by DEB	Date April, 1961		

No.	Revision	By	Date
	CITY OF WICHITA, KANSAS LATERAL 2, SEBMAN 4 SANITARY SEWER NO. 22 SOUTH ELECTRICAL LIFT STATION 7 C. OF W. PROJECT NO. 488-76-245-8/09-000-000-001		
PROFESSIONAL ENGINEERING CONSULTANTS, P.A. ENGINEERS WICHITA, KANSAS			
Designed by	E. W.	Job No. 34-8008	6/6 Sht. 6 of 6
Drawn by	E. L.	Date April 1981	