

LIFT STATION & FORCE MAIN SERVING THE SHORES A PART OF KINKAID PARK FIFTH ADDITION

CITY OF WICHITA, KANSAS

M.E. LINDEBAK CITY ENGINEER

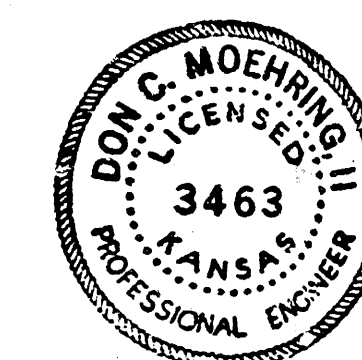
NOTIFY THE FOLLOWING COMPANIES PRIOR TO ANY
TRENCHING.

ARKLA GAS CO. 942-8350
BELL TELEPHONE 263-3087
CABLEVISION 266-6817
GAS SERVICE CO. 263-7511
KANSAS GAS & ELEC. 261-6243
KAN-U-DIG-IT 267-2889

PROJECT NO. 468 76 245 80000 000 000 008

DATE: AUGUST, 1984

APPROVED AS NOTED
By CITY ENGINEER OF WICHITA
Sanitary Sewers *ELB 9/1/84*
Storm Sewers _____
Driveway Approaches _____



MOEHRING & ASSOCIATES
CONSULTING ENGINEERS
WICHITA

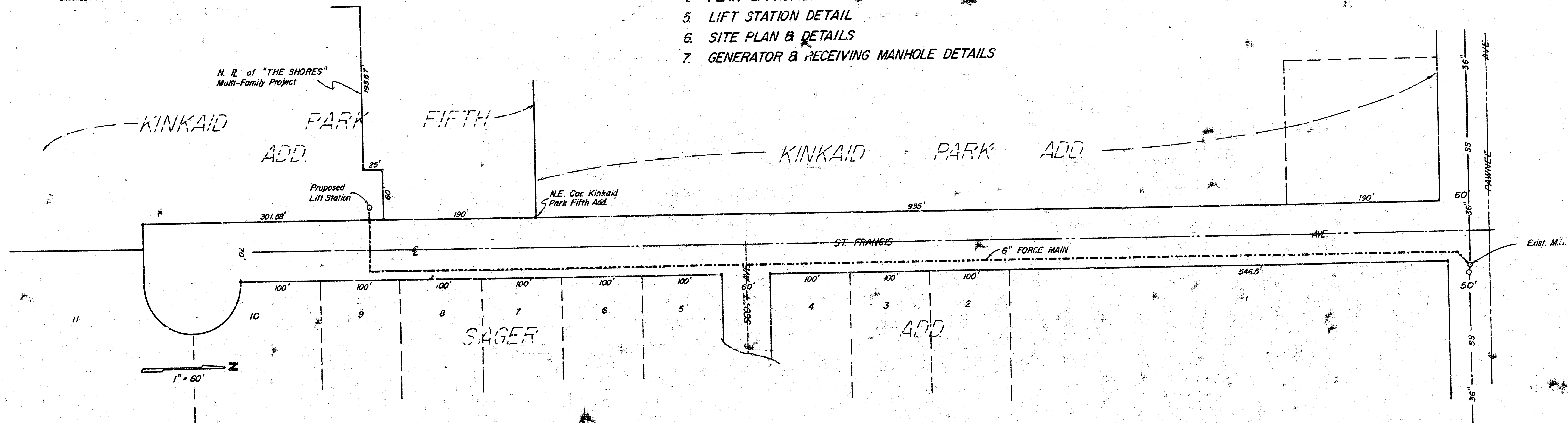
NOTE TO CONTRACTOR

This project will be constructed under the supervision of the CITY ENGINEER and conforming to the SPECIFICATIONS of the CITY OF WICHITA. The CONTRACTOR will prepay the City of Wichita for all costs of inspection.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR SHALL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR OR A LICENSED PROFESSIONAL ENGINEER IN ACCORDANCE WITH STATE LAWS.

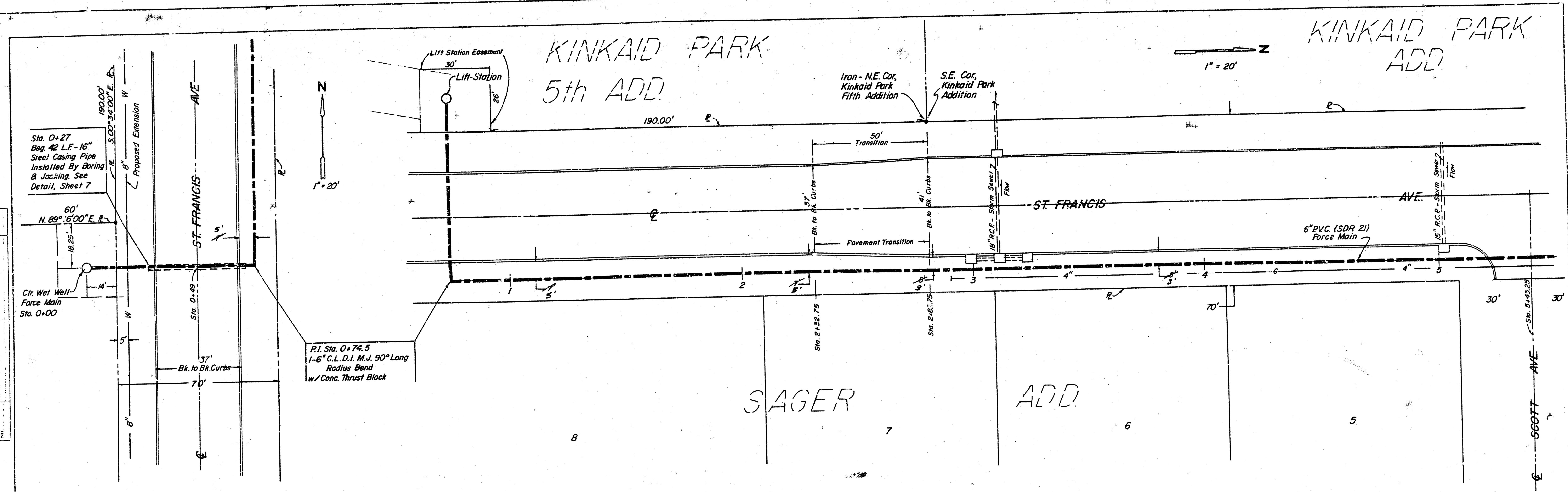
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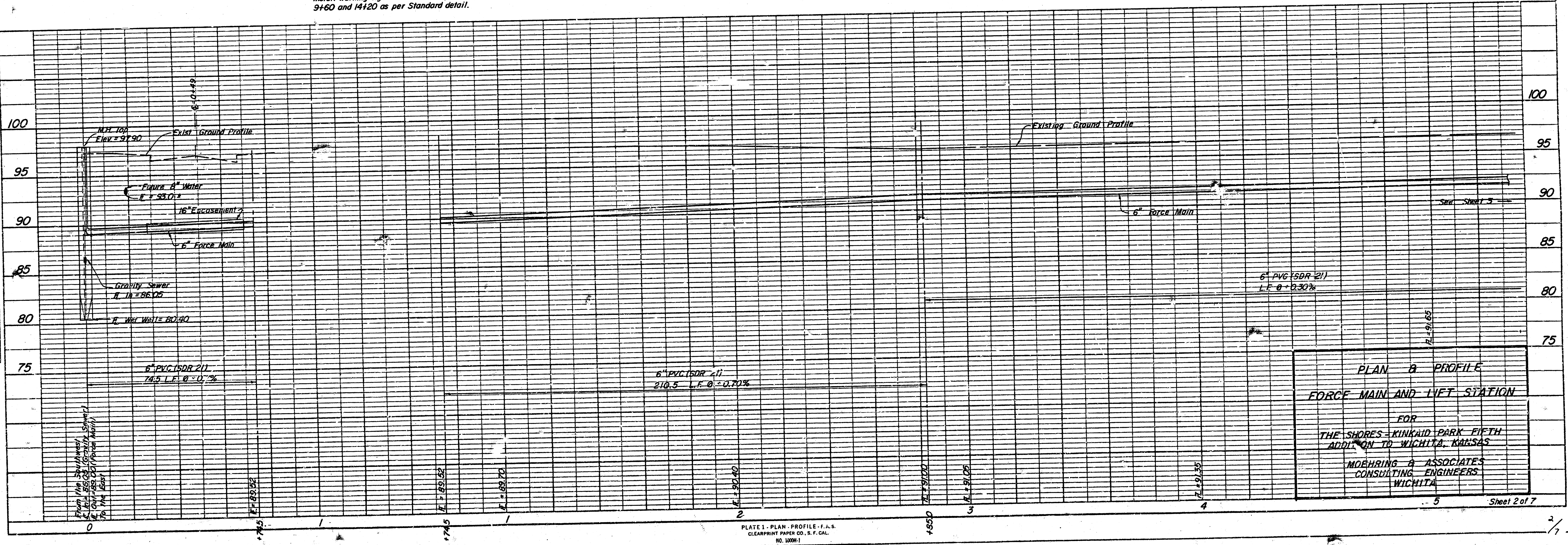


PLAN
 SURVEYED BY
 NOTE BOOK
 ADJUSTMENT CHECKED BY
 NO. 1000-1

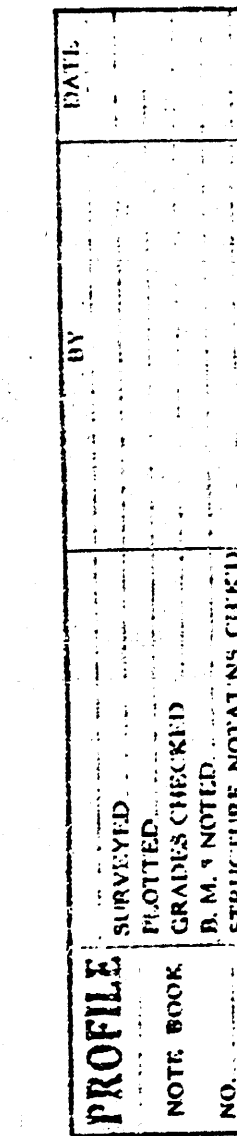
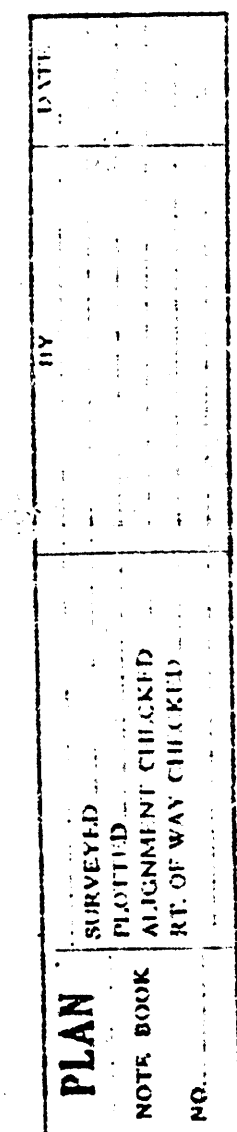
PROFILE
 SURVEYED BY
 NOTE BOOK
 GRADES CHECKED BY
 NO. 1000-1



Note:
 Install warning signs at Sta. 0+80, 5+00, 9+60 and 14+20 as per Standard detail.



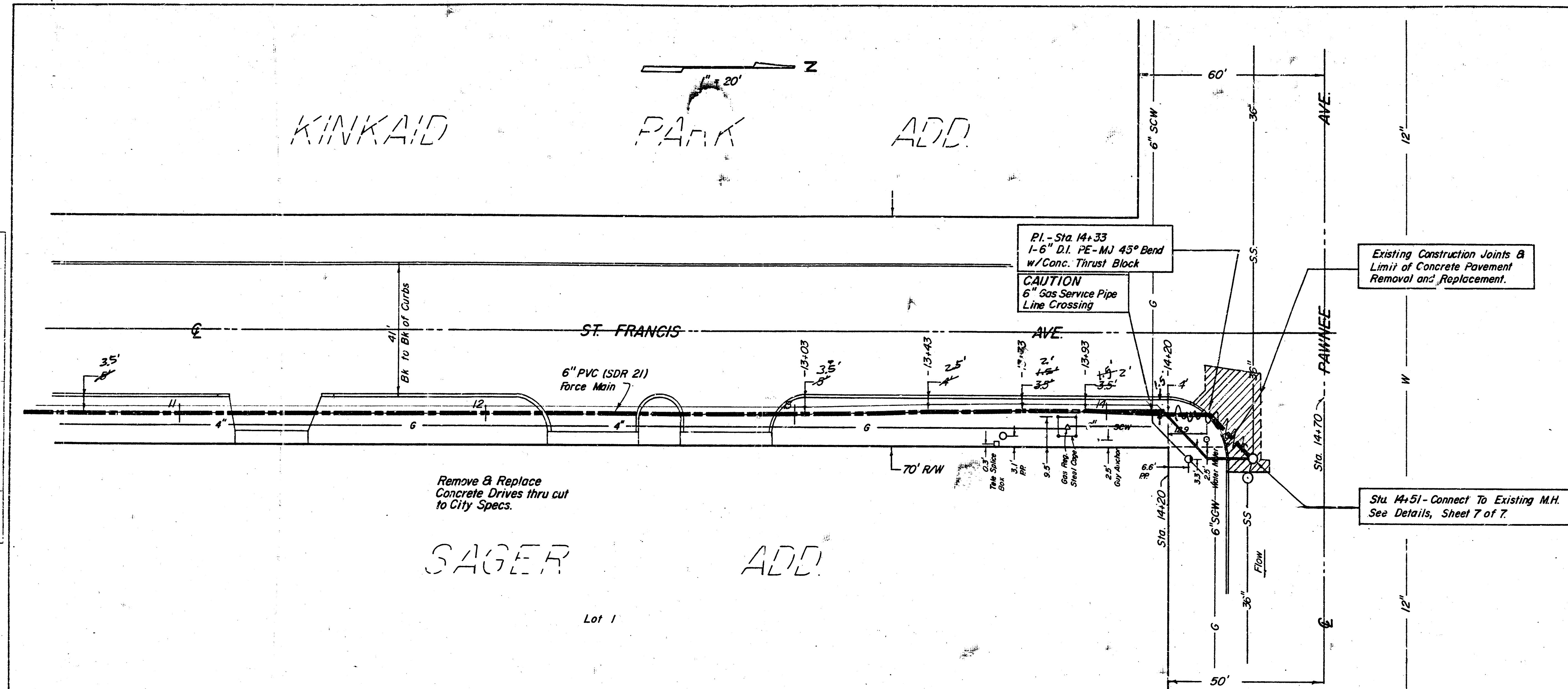
 1" = 20'



PLAN & PROFILE
FORCE MAIN AND LIFT STATION
FOR
THE SHORES-KIRKPAID PARK FIFTH
ADDITION TO WICHITA, KANSAS
MOEHRING & ASSOCIATES
CONSULTING ENGINEERS
WICHITA

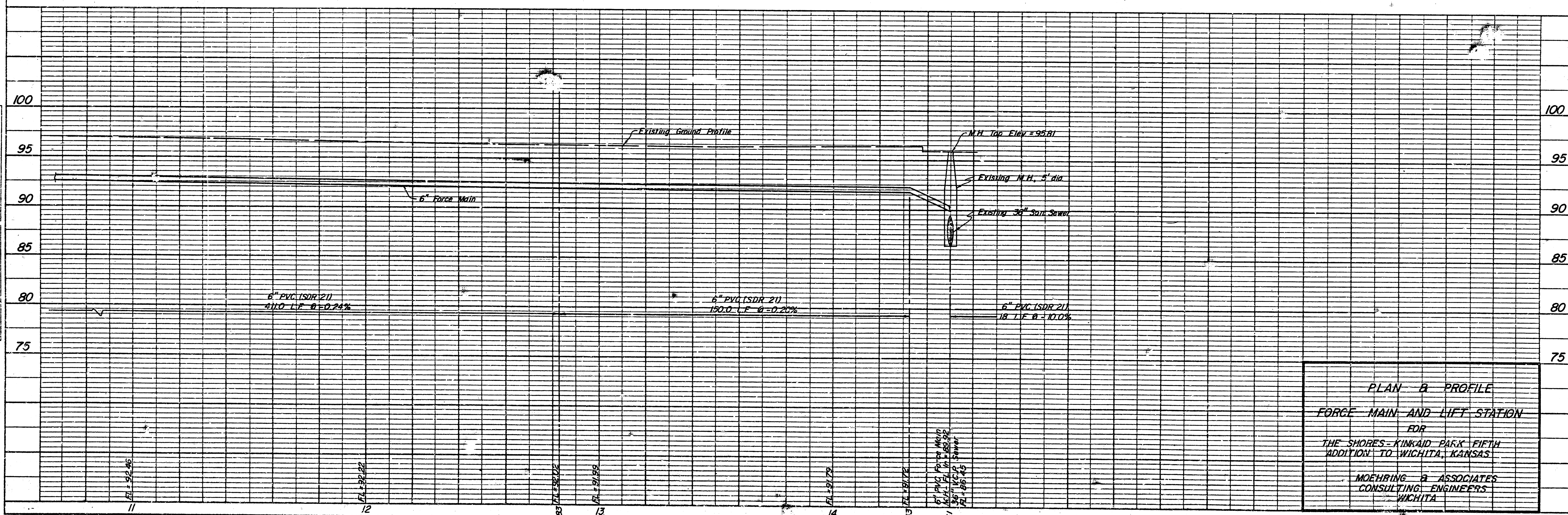
PLAN	REVISION	DATE
	NO. BY	DATE
PROJECT: KINKAID PARK FIFTH ADDITION TO WICHITA, KANSAS SHEET: 4 OF 7		

PROFILE	REVISION	DATE
	NO. BY	DATE
PROJECT: KINKAID PARK FIFTH ADDITION TO WICHITA, KANSAS SHEET: 4 OF 7		



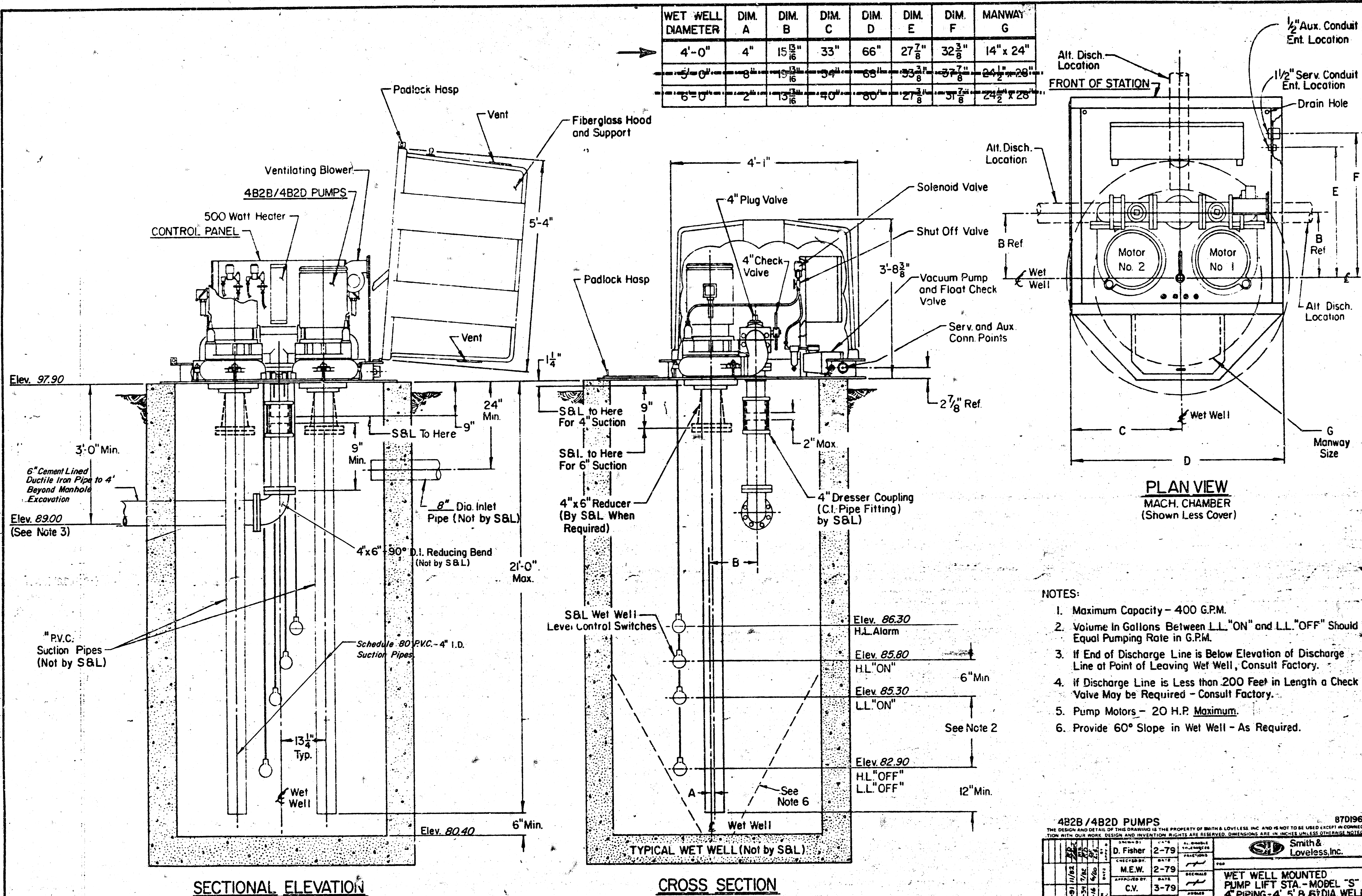
NOTES

1. Pipe material to be SDR-21 6" PVC w/o-ring joints
2. Pipe bends to be Ductile Iron, Mech. Joint, w/Sleeve and Transition Gasket for PVC pipe.
3. Ductile iron force main pipe and fittings shall be cement lined.
4. Contractor shall maintain access to private property at all times.

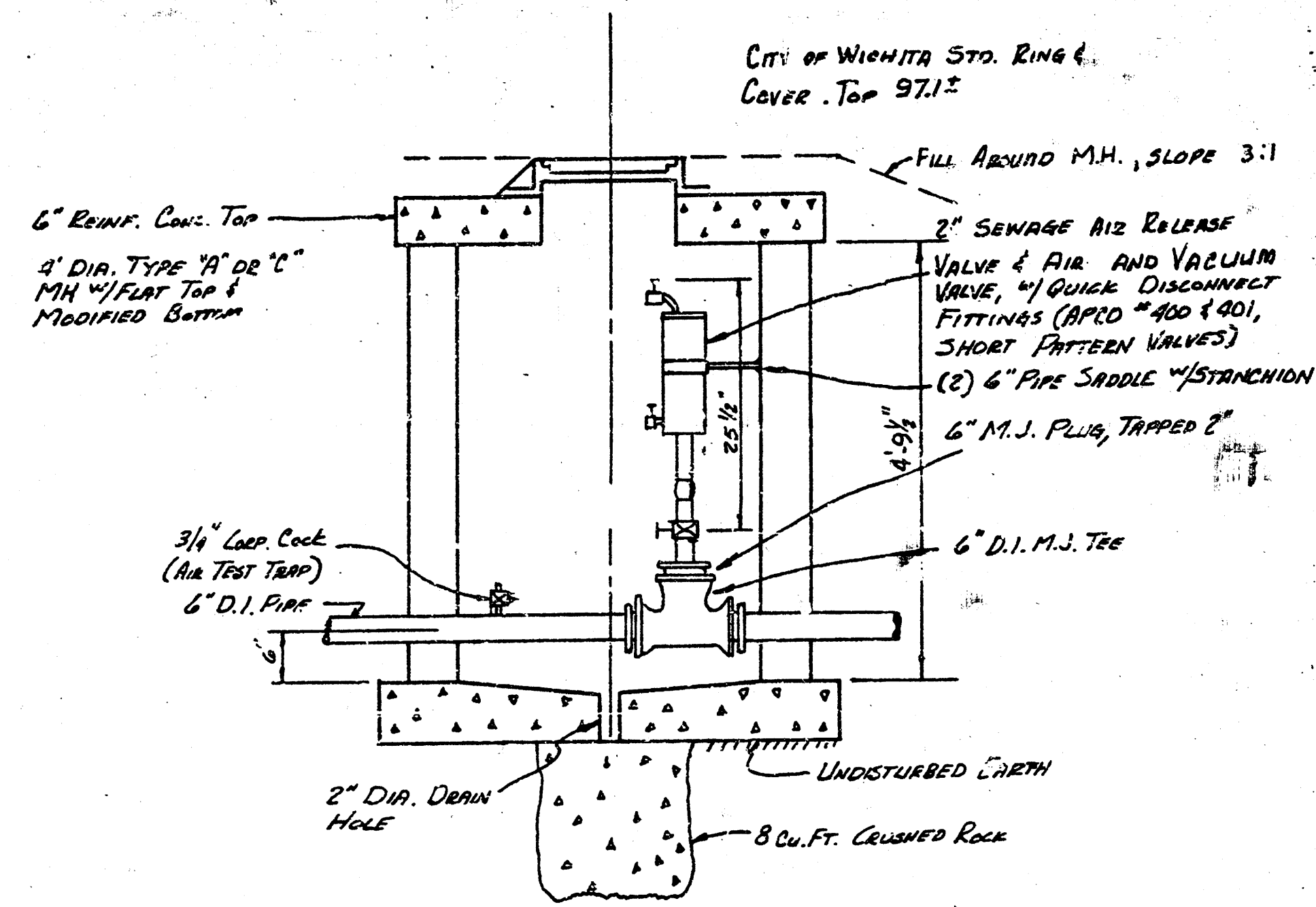


PLAN & PROFILE
 FORCE MAIN AND LIFT STATION
 FOR
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 ADDITION TO WICHITA, KANSAS
 MOEHRING & ASSOCIATES
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 WICHITA

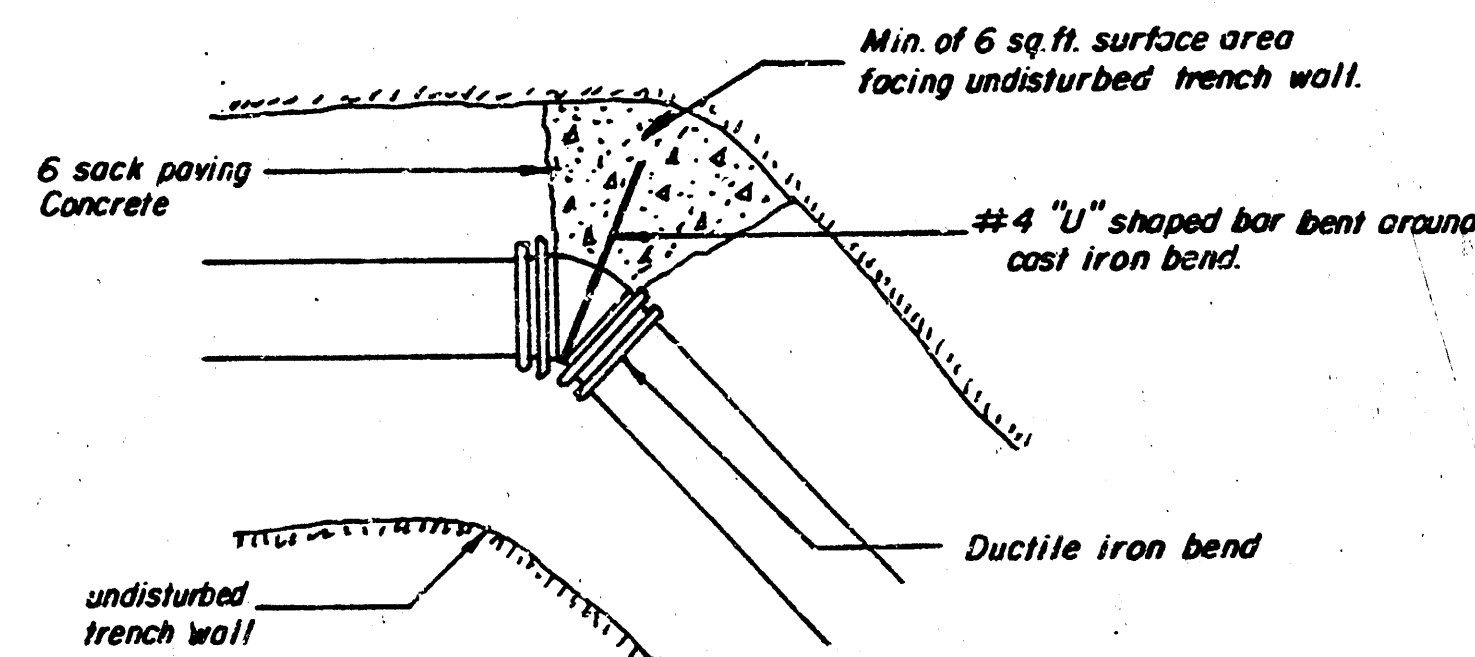
WET WELL DIAMETER	DIM. A	DIM. B	DIM. C	DIM. D	DIM. E	DIM. F	MANWAY G
4'-0"	4"	15 5/8"	33"	66"	27 7/8"	32 3/8"	14" x 24"
5'-0"	8"	15 1/8"	37"	68"	33 3/8"	37 7/8"	24 1/2" x 28"
6'-0"	2"	15 1/8"	40"	80"	27 7/8"	31 7/8"	24 1/2" x 28"



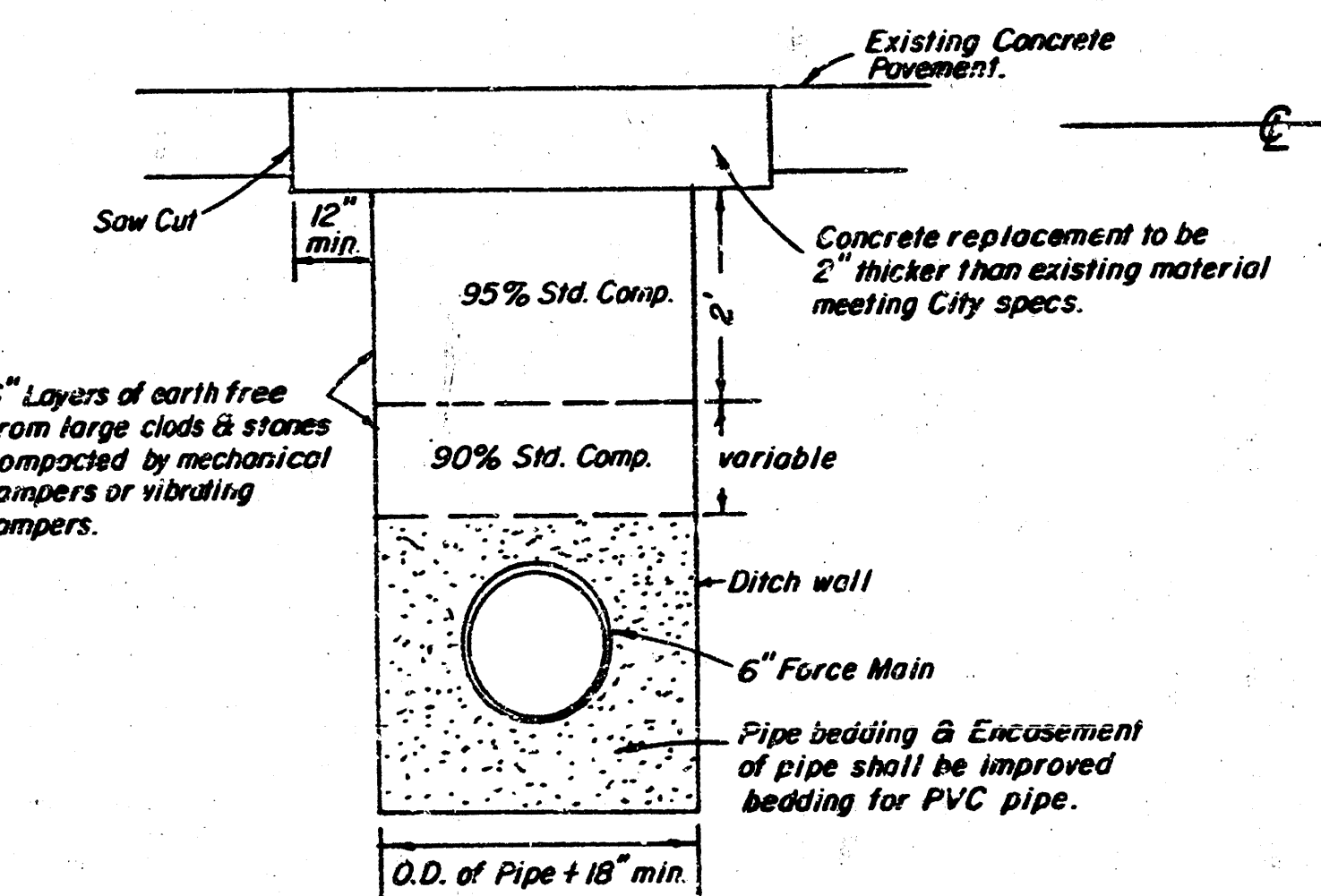
City of Wichita Std. Ring & Cover, Top 97.12



SECTIONAL ELEVATION
AIR RELEASE MANHOLE
NO SCALE



THRUST BLOCK DETAIL
NO SCALE



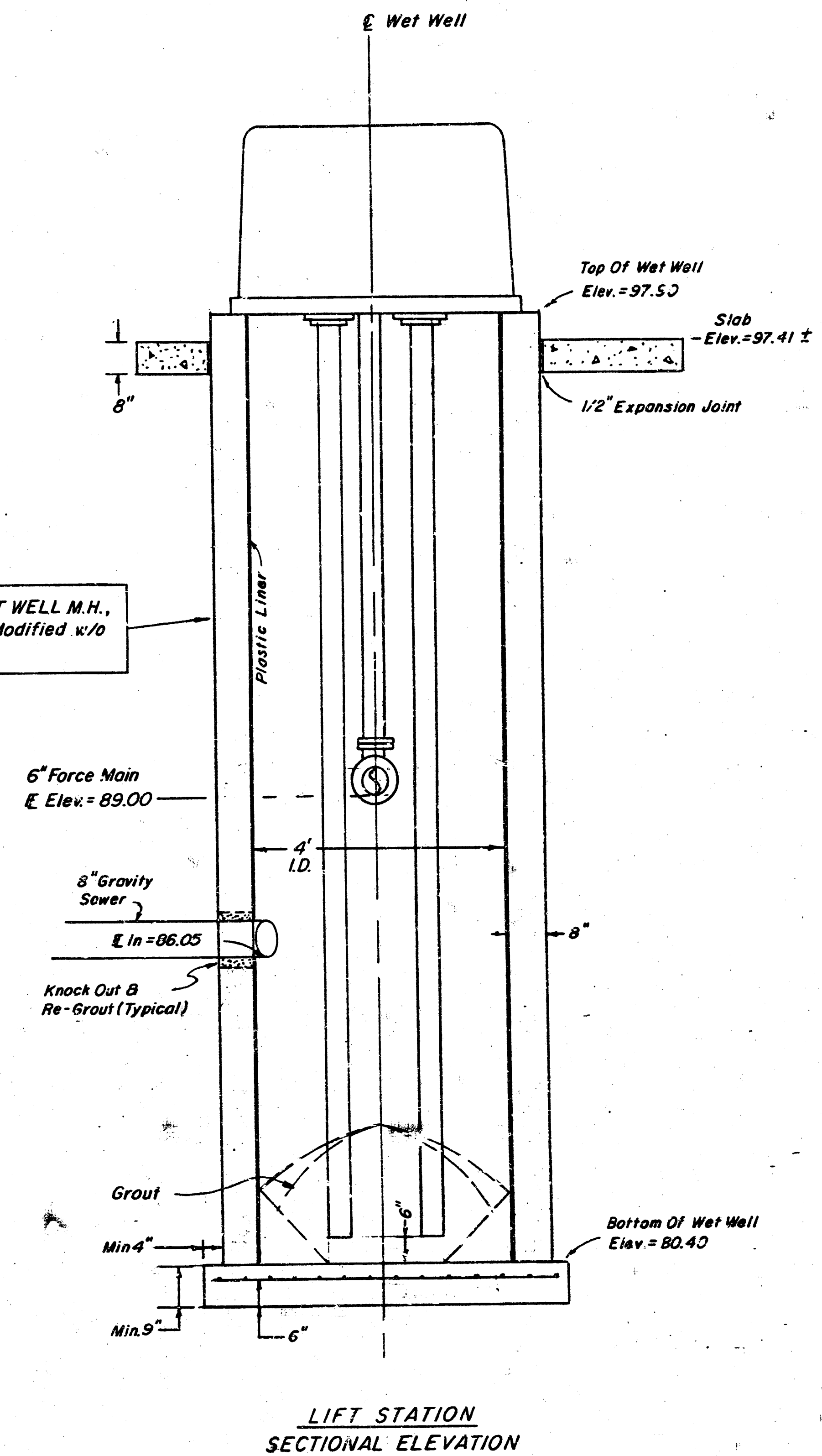
Standard Density Test, as described in the latest addition of ASTM D695, shall be performed to verify the above requirements to the satisfaction of the Dept. of Engineering or Dept. of Operations and Maint. All testing cost shall be included in the unit price bid for the pipe in place.

PAVEMENT REPLACEMENT DETAIL
No Scale

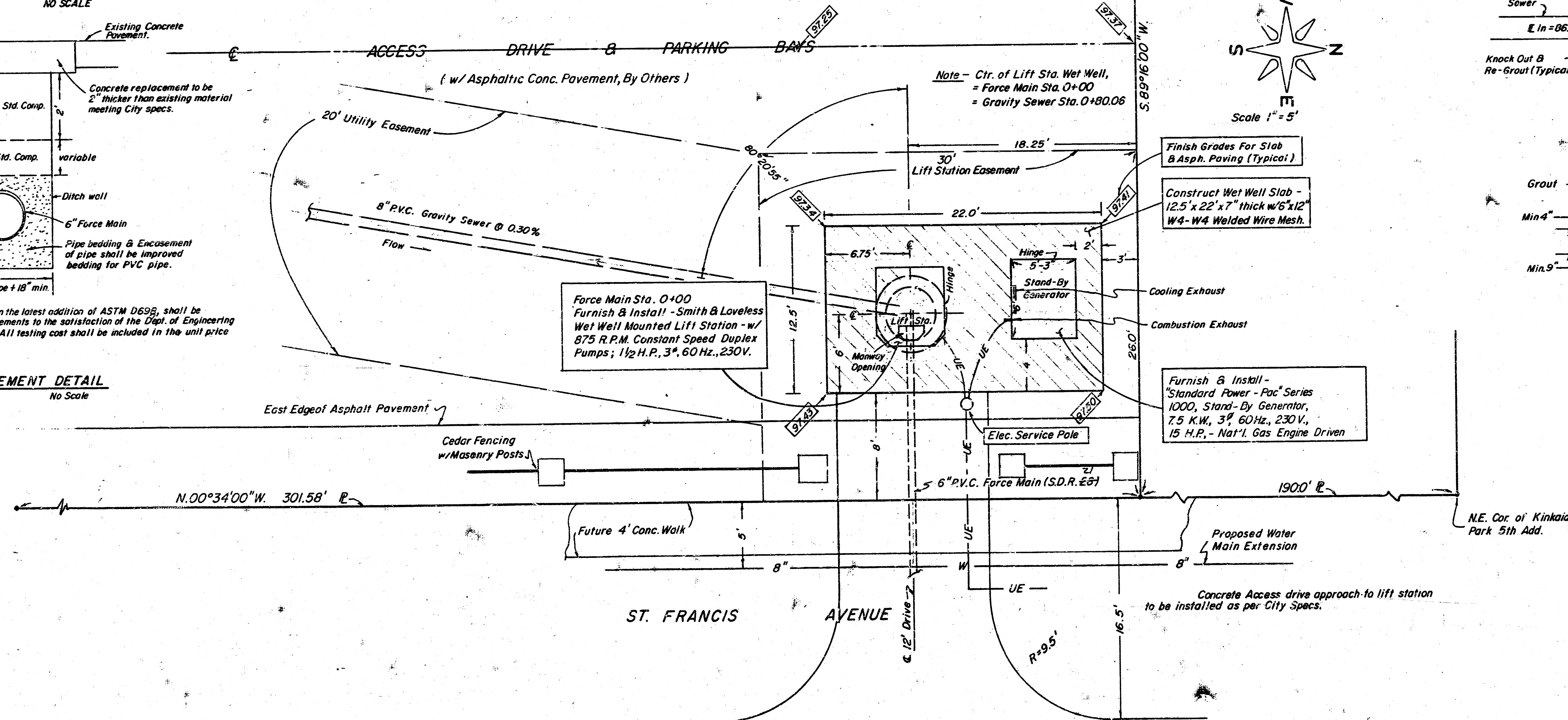
"THE SHORES"

NOTES:

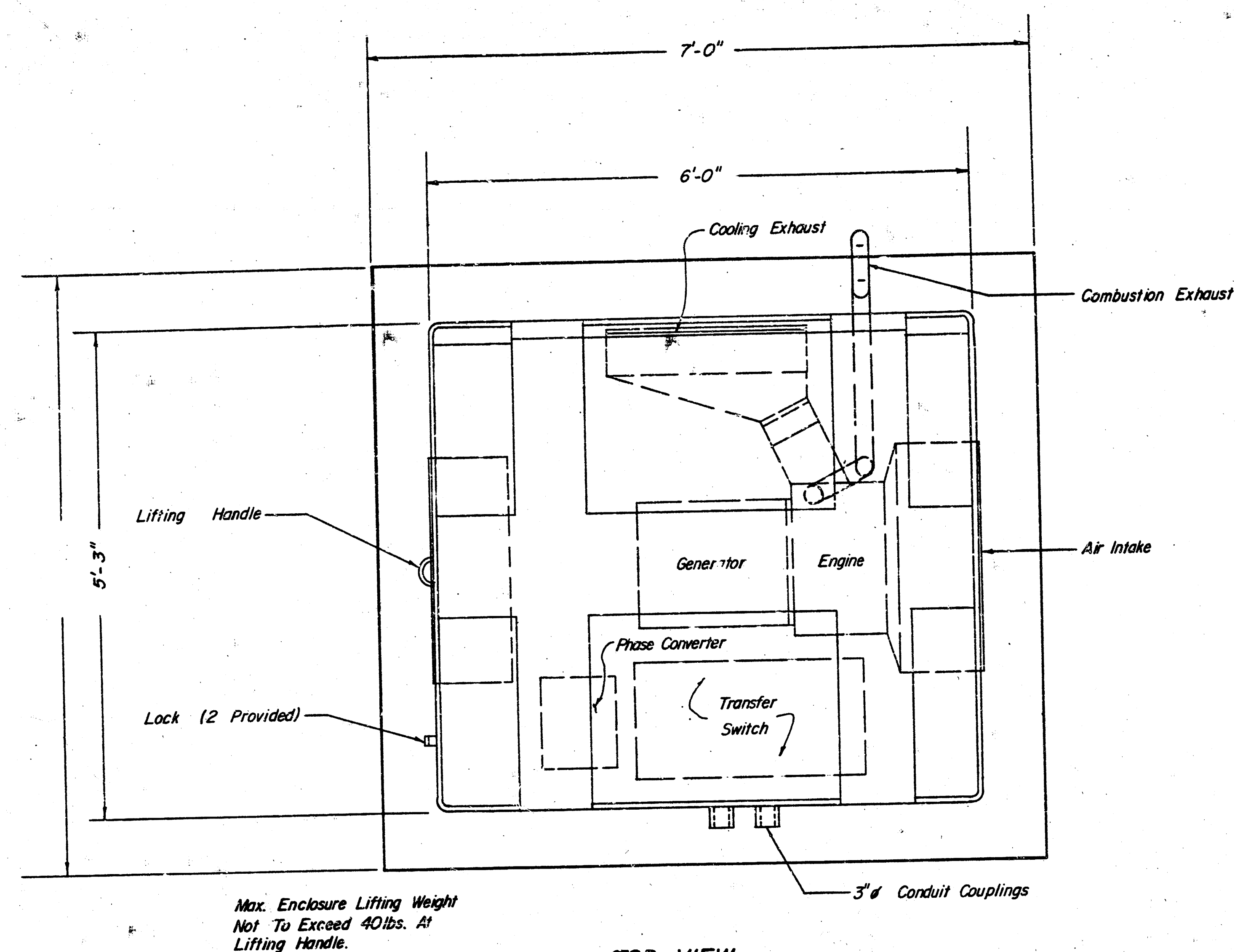
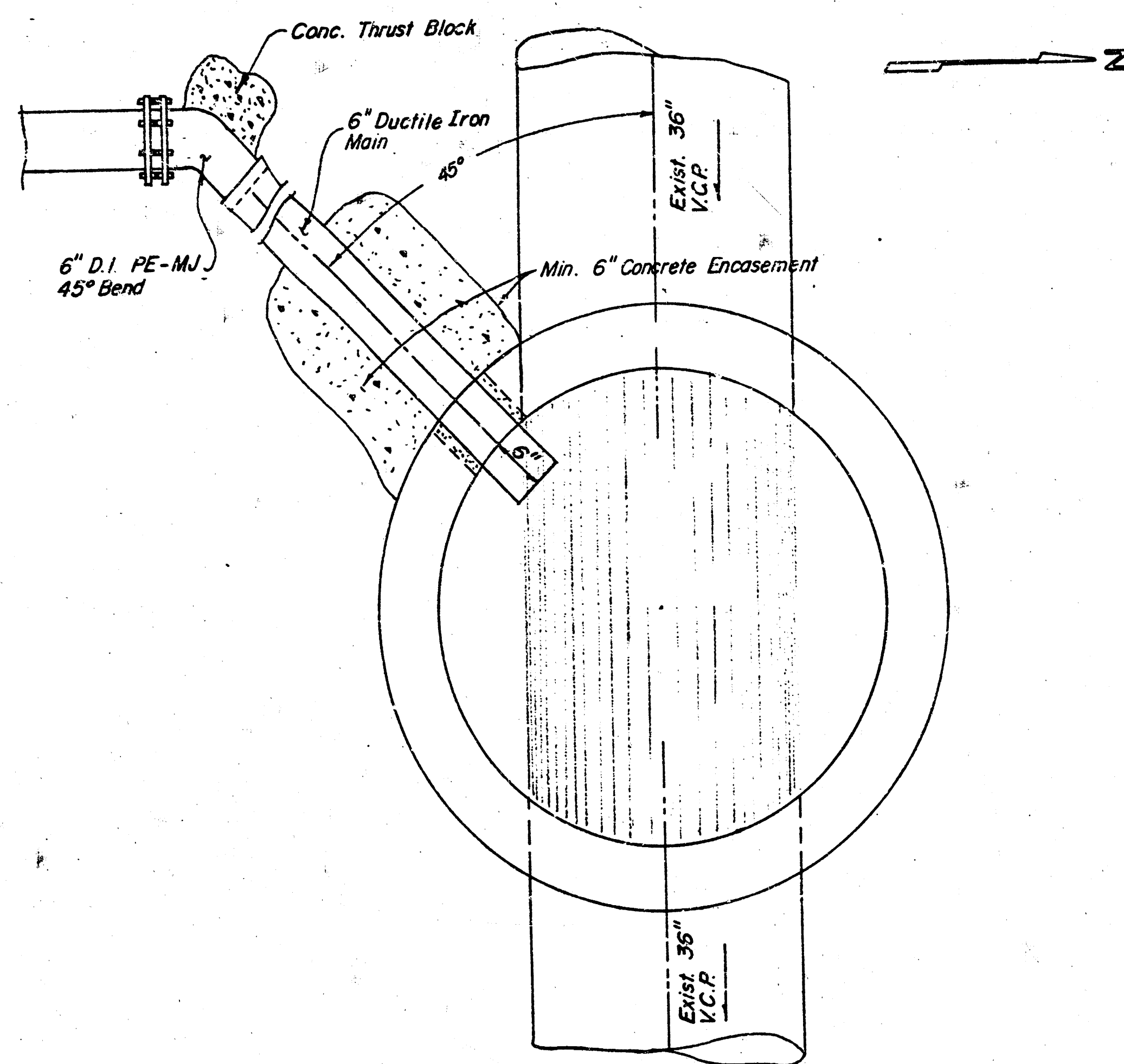
1. THE LUMP SUM PRICE BID FOR FURNISHING AND INSTALLING LIFT STATION WITH STANDBY POWER AND MISCELLANEOUS APPURTENANCES COMPLETE IN PLACE SHALL INCLUDE ALL COSTS FOR FURNISHING AND INSTALLING THE LIFT STATION AND STANDBY POWER MODULE AS INDICATED ON THE SITE PLAN COMPLETE IN PLACE AND IN OPERATION. SUCH LUMP SUM BID SHALL INCLUDE THE COST OF CONSTRUCTING AND/OR INSTALLING COMPACTED SUBGRADE, CONCRETE PAD, POWER POLE, ELECTRICAL CONDUIT, ELECTRICAL WIRING, DISCONNECT SWITCH, ELECTRICAL POWER SUPPLY, NATURAL GAS FUEL SUPPLY, FINISHED GRADING AND ANY OTHER INCIDENTALS NECESSARY TO COMPLETE THE WORK.
2. CONTRACTOR SHALL INSTALL A 10" X 12" CREOSOTED WOOD POWER POLE IN A LOCATION APPROVED BY THE ENGINEER. POLE SHALL BE INSTALLED WITH 8' EXPOSED ABOVE GROUND. CONTRACTOR SHALL ALSO CONSTRUCT CONCRETE PAD FOR K.G.S.E. TRANSFORMER ON THE EAST SIDE OF LIFT STATION PAD IN A LOCATION ALSO APPROVED BY THE ENGINEER. TRANSFORMER PAD SHALL BE CONSTRUCTED TO CONFORM WITH REQUIREMENTS OF K.G.S.E.
3. A 2" CONDUIT SHALL BE INSTALLED UNDERGROUND FROM THE LIFT STATION MODULE TO THE STANDBY POWER MODULE AND FROM THE STANDBY POWER MODULE TO THE DISCONNECT SWITCH LOCATED ON POWER POLE. A 3/4" CONDUIT SHALL BE INSTALLED UNDERGROUND BETWEEN THE LIFT STATION MODULE AND THE POWER POLE TO FACILITATE CONNECTION OF THE ALARM SYSTEM BY OTHERS. THE ELECTRICAL POWER SUPPLY TO THE METER BASE MUST ALSO BE UNDERGROUND. ALL ELECTRICAL WIRING SHALL CONFORM TO THE CITY OF WICHITA CODE.
4. A UL LISTED LIGHTNING ARRESTOR SHALL BE INSTALLED AFTER THE DISCONNECT SWITCH FOR VOLTAGE SURGE PROTECTION OF THE AUTOMATIC TRANSFER SWITCH AND ALL SECONDARY WIRING.



LIFT STATION
SECTIONAL ELEVATION

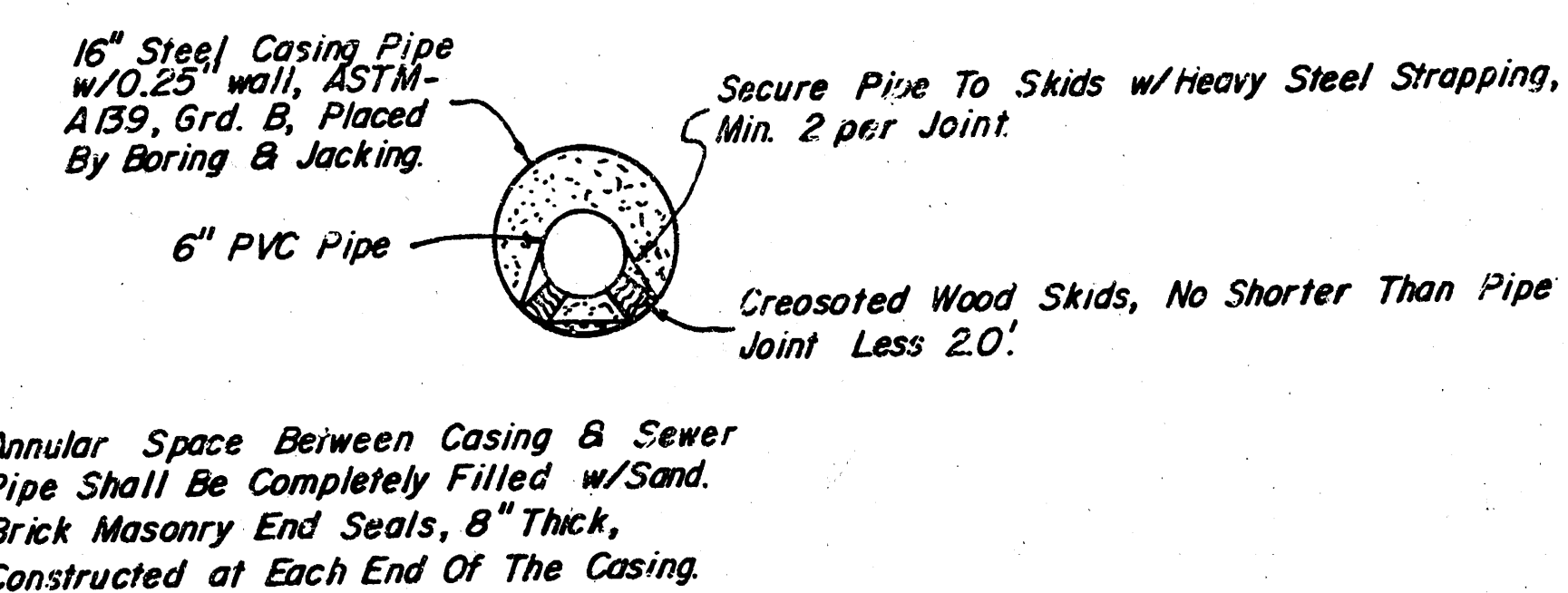


SITE PLAN & DETAILS
FORCE MAIN AND LIFT STATION
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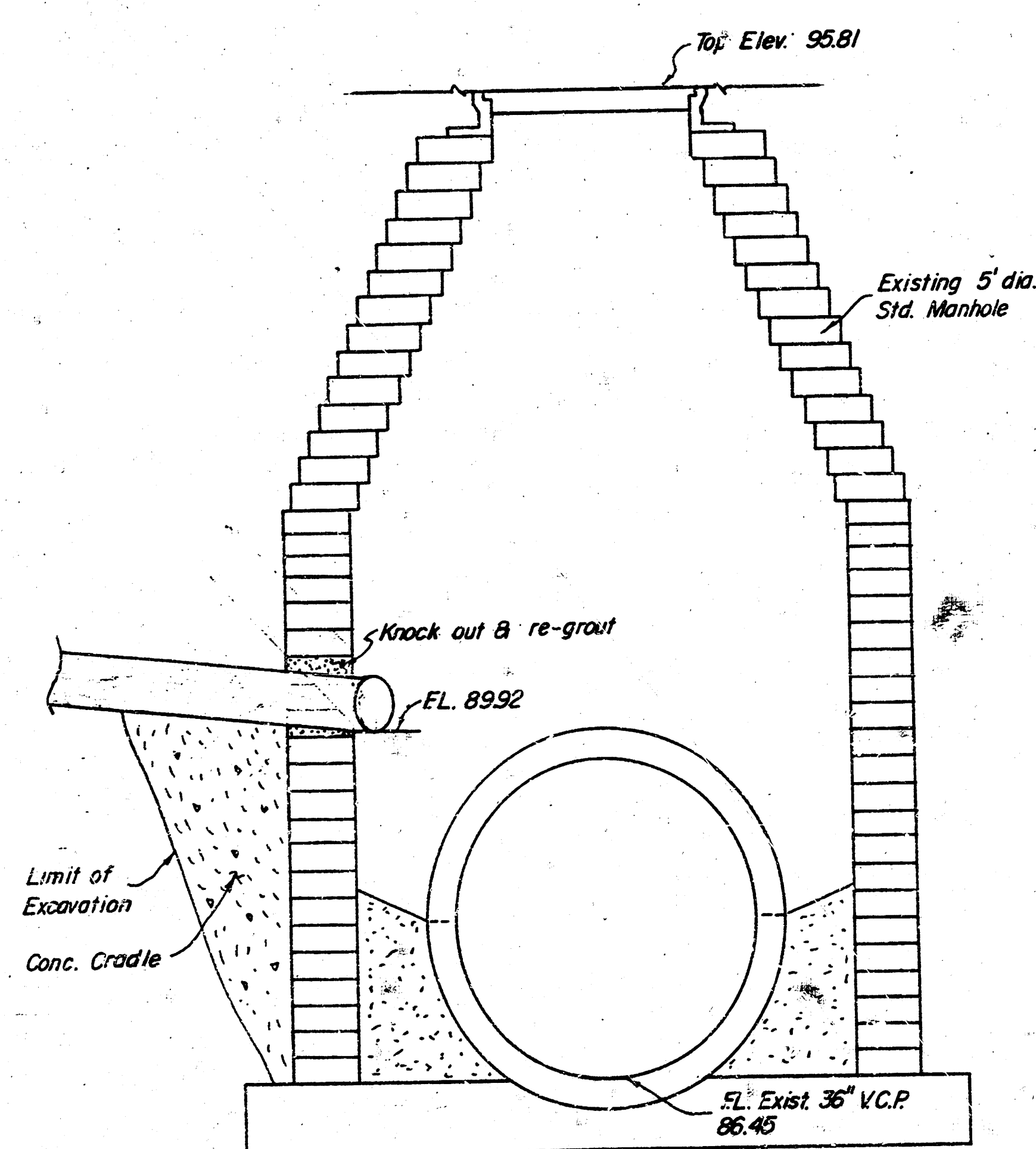


TOP VIEW

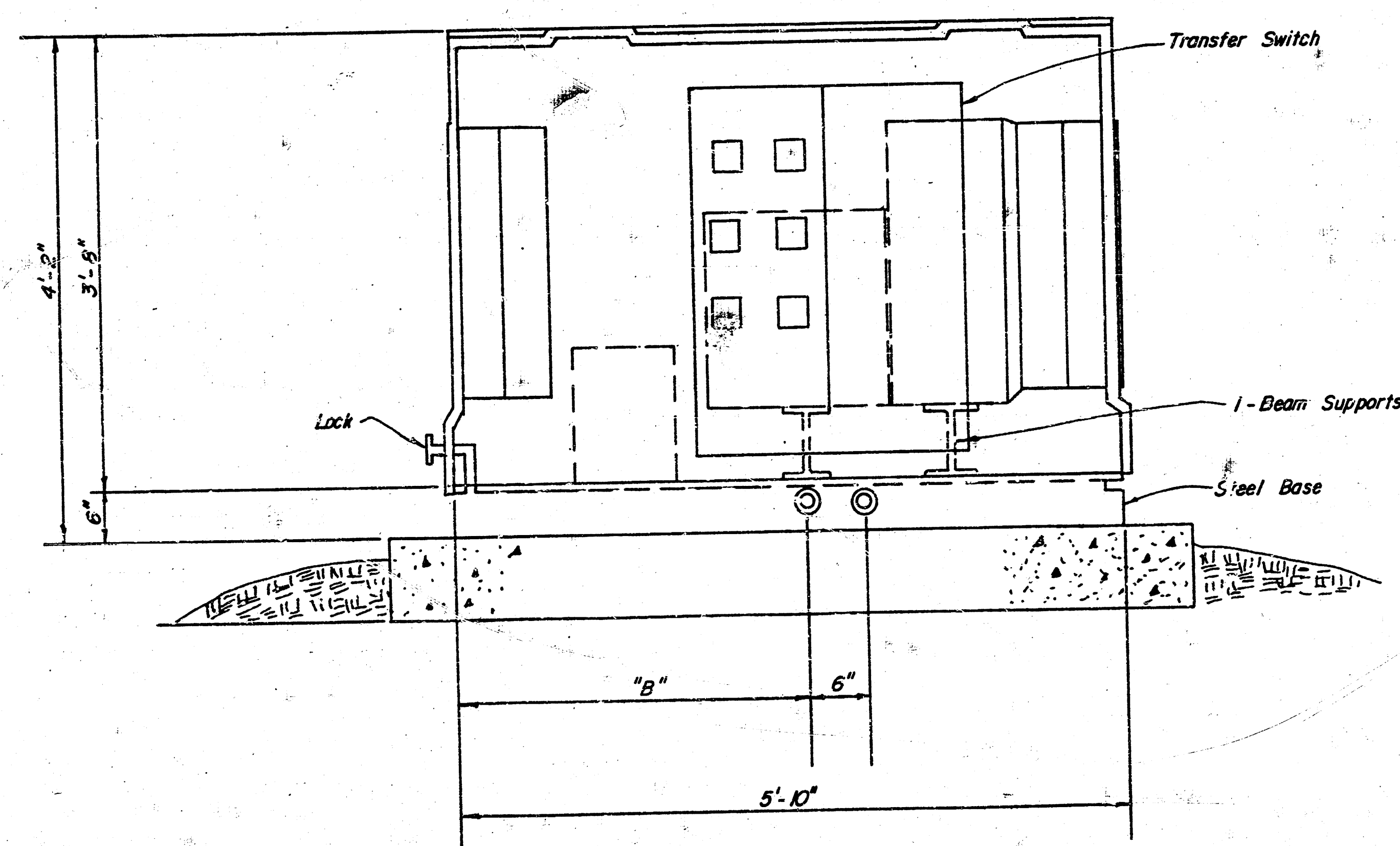
STAN-BY GENERATOR DETAILS
STANNARD POWER EQUIPMENT CO.
SERIES 1000



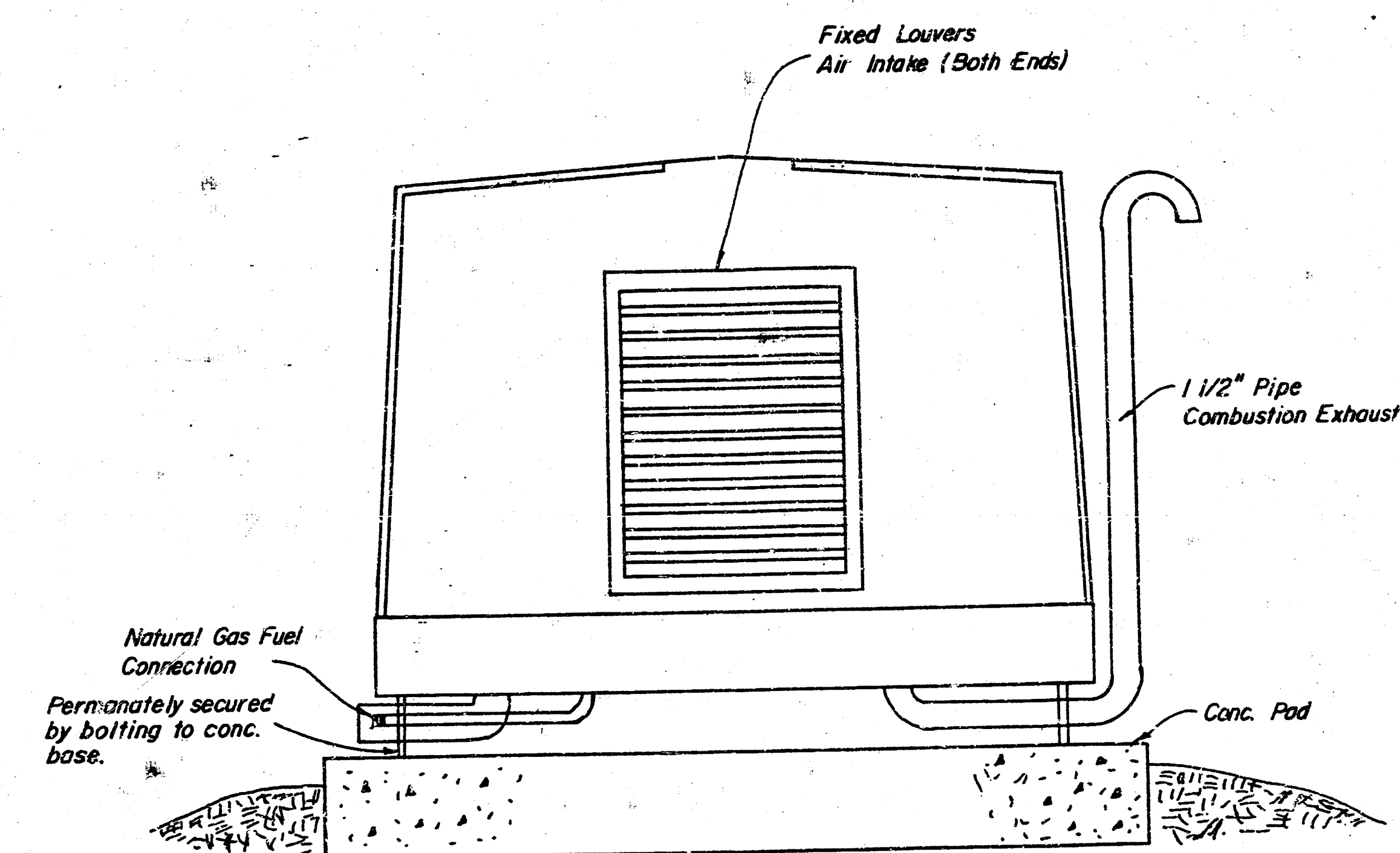
TYPICAL CASING SECTION



MANHOLE TAP DETAIL
3/4" = 1'



SECTIONAL ELEVATION



END VIEW