

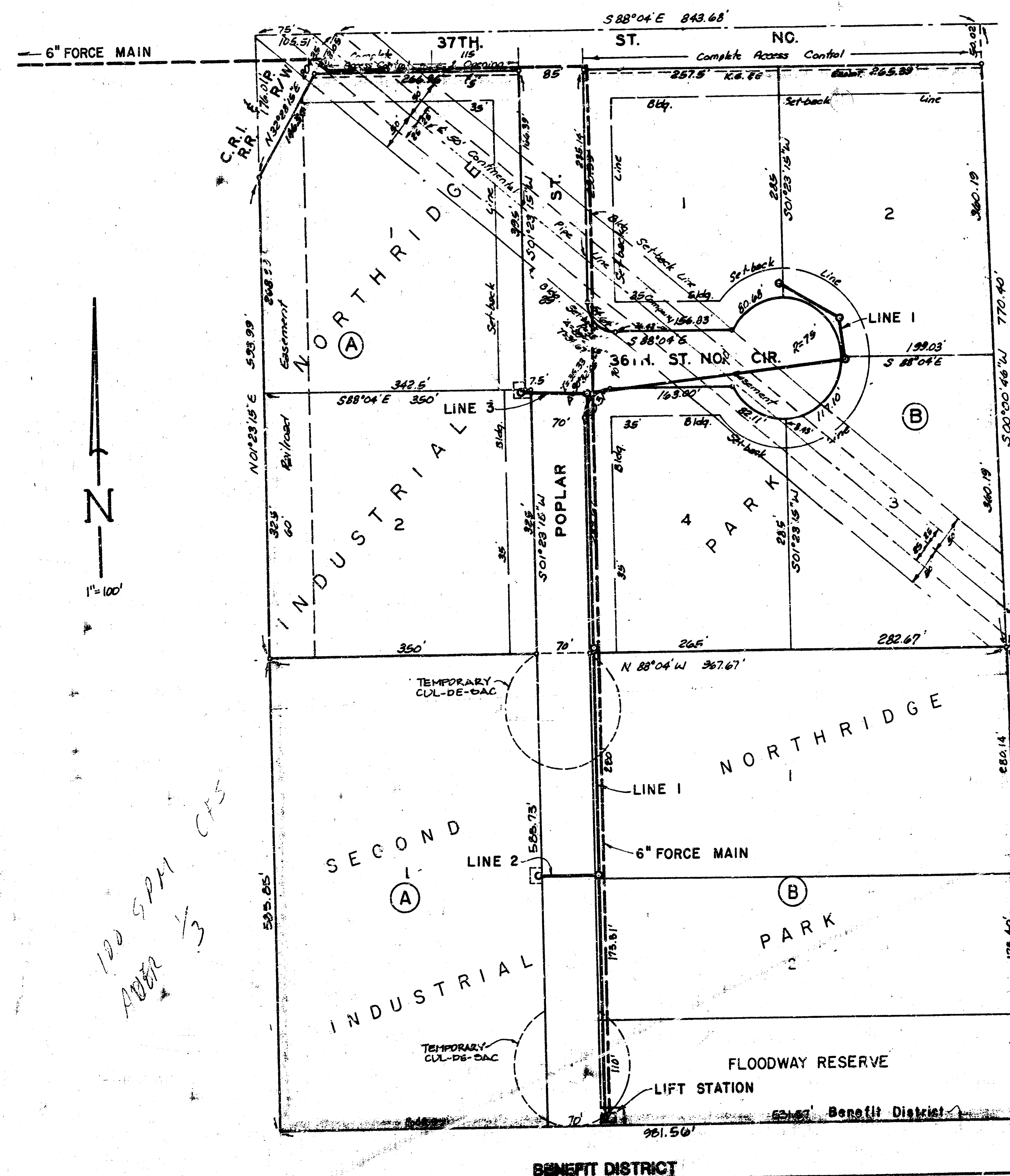
LATERAL 53, SANITARY SEWER No.23 INCLUDING LIFT STATION

Project no. 468-76-245-81330-000-000-001

NORTHRIDGE INDUSTRIAL PARK

CITY OF WICHITA, KANSAS

MIKE E. LINDEBAK CITY ENGINEER



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As B. 14
J.L.L.
5-85

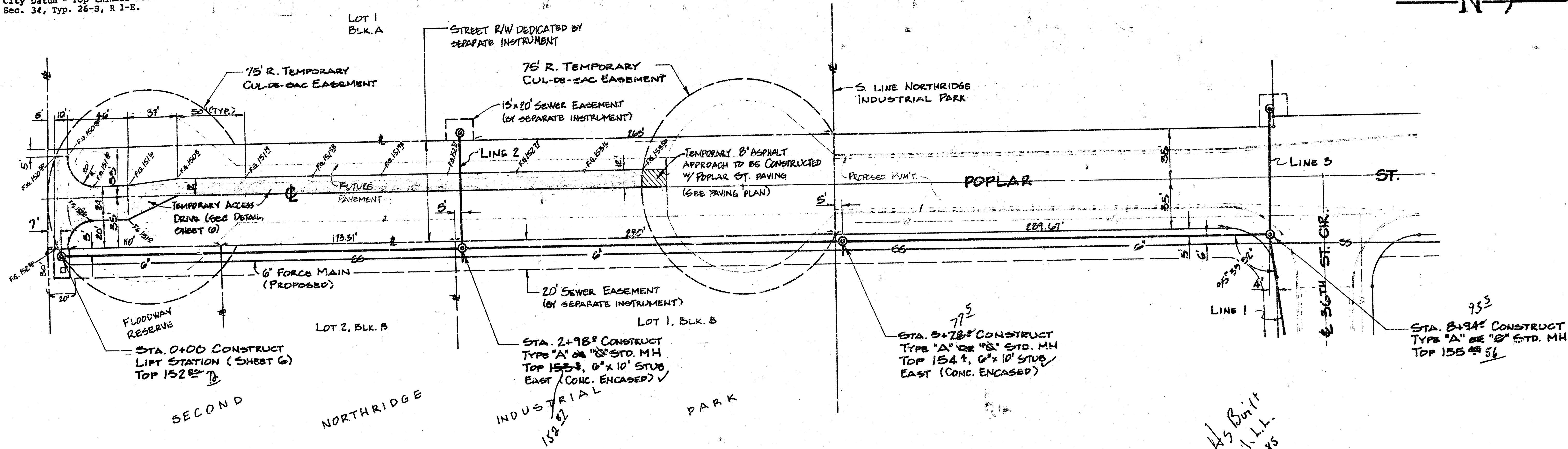


1/2 JULY 1984

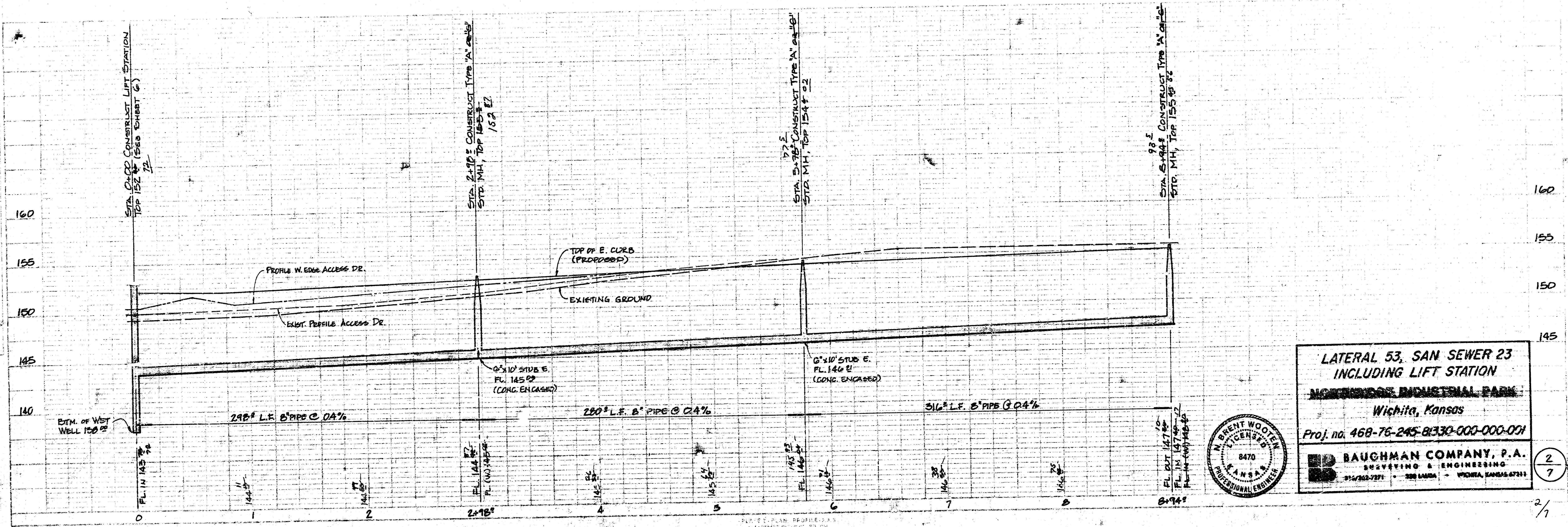
BAUGHMAN COMPANY, P.A.
SURVEYING & ENGINEERING
316/262-7271 • 330 LAURA • WICHITA, KANSAS 67211

B.M. 163.00 City Datum - P.R. Spike in pole approx. 43.3' North & 71.7' East of the C.L. of 37th St. No. and Poplar.
B.M. 164.25 City Datum - Top thimble iron at the NW corner of NE 1/4, Sec. 34, Twp. 26-S, R. 1-E.

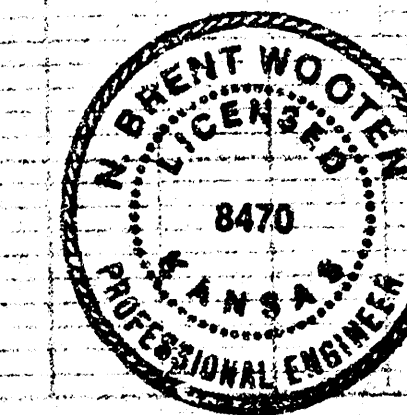
B.M. 163.00 City Datum - R.R. Spike in pole approx. 48.5' North & 71.7' East of the C.L. of 37th St. No. and Poplar.
 B.M. 164.25 City Datum - Top thimble iron at the NW corner of NE 1/4, Sec. 34, Twp. 26-S, R. 1-E.



SCALE:
 VERT. - 1"=5'
 HORIZ. - 1"=40'

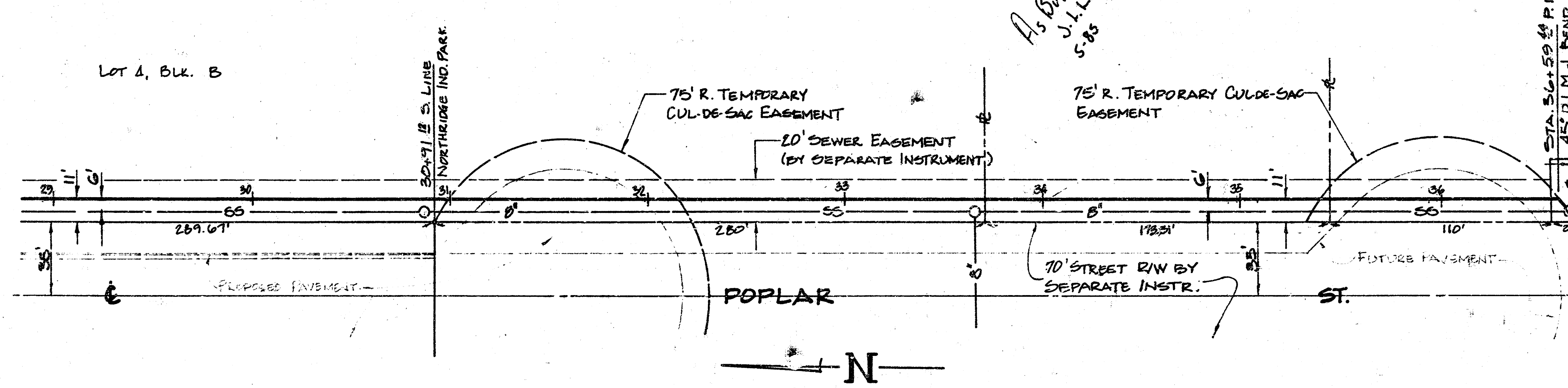
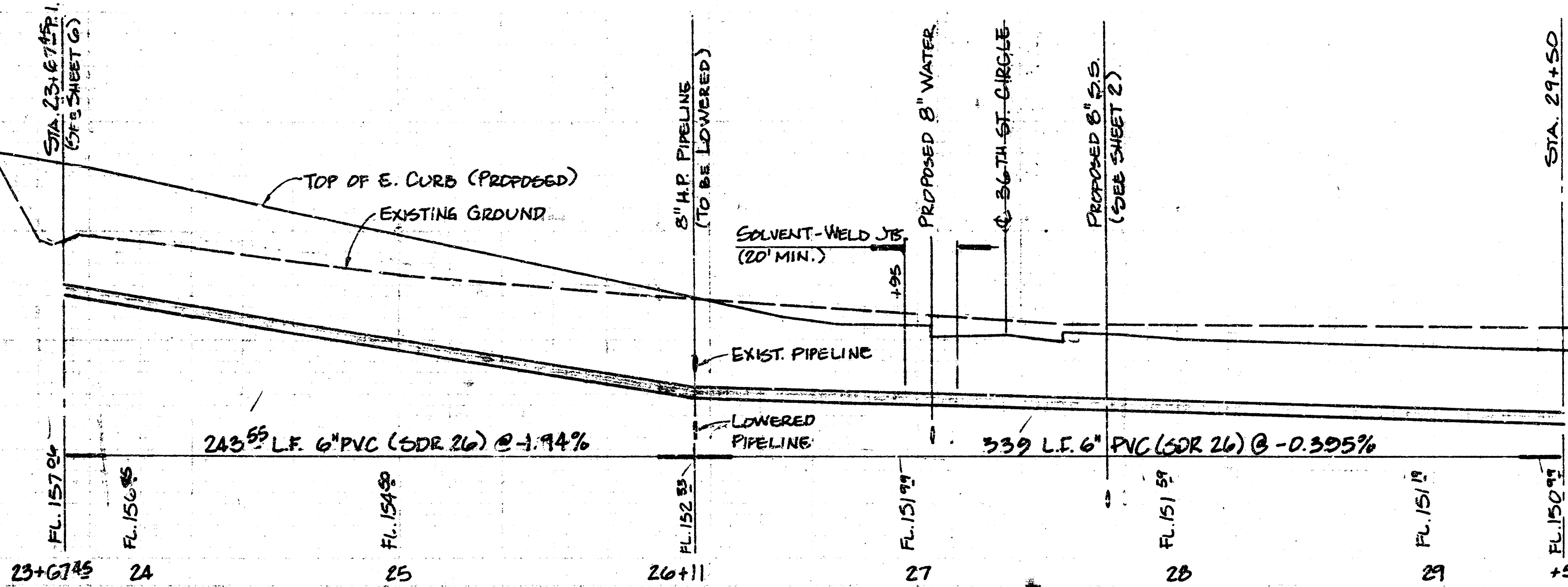
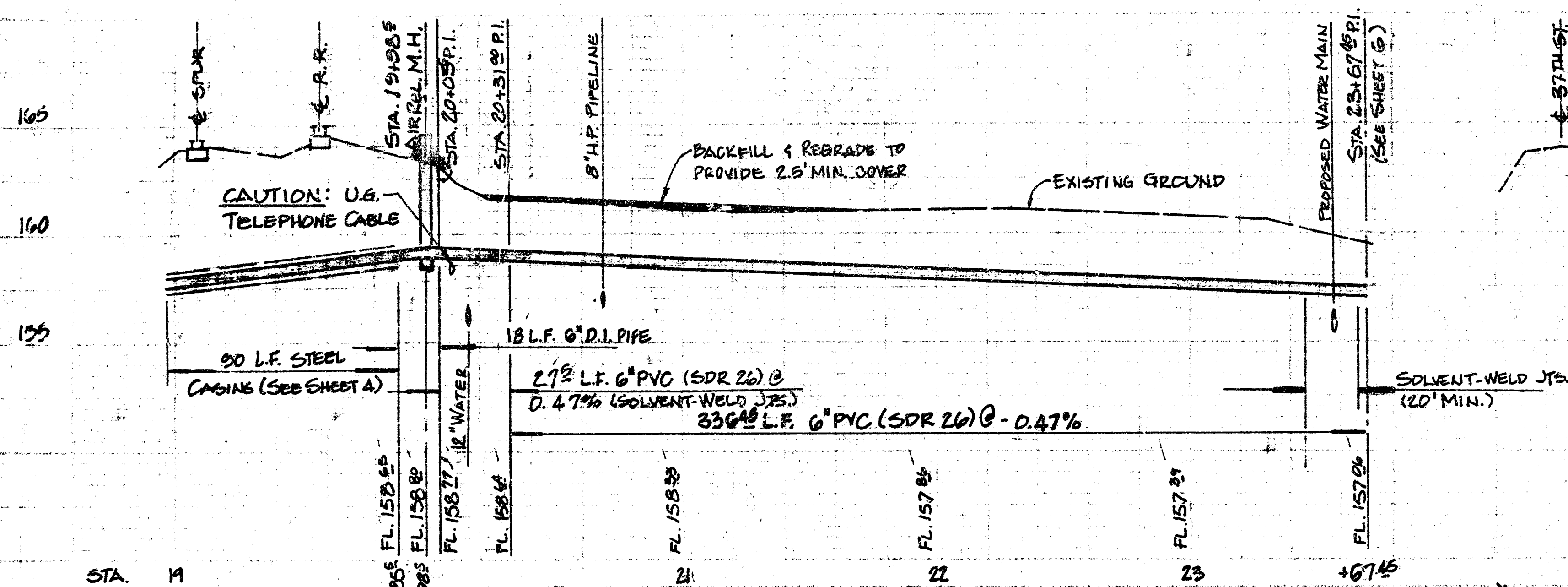
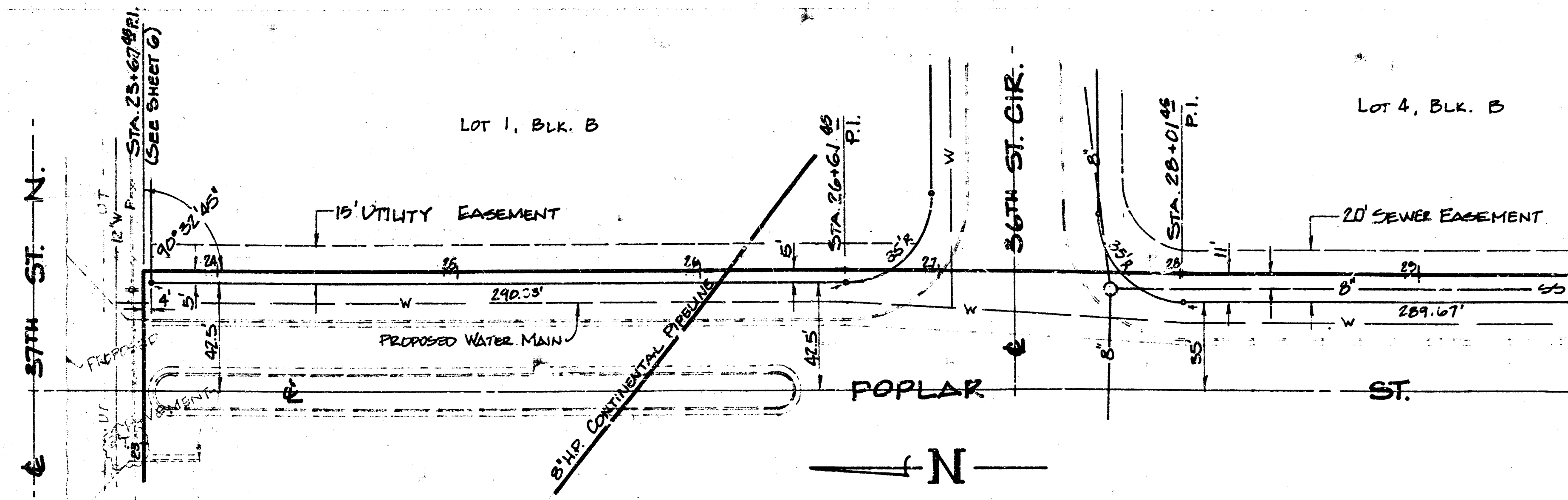
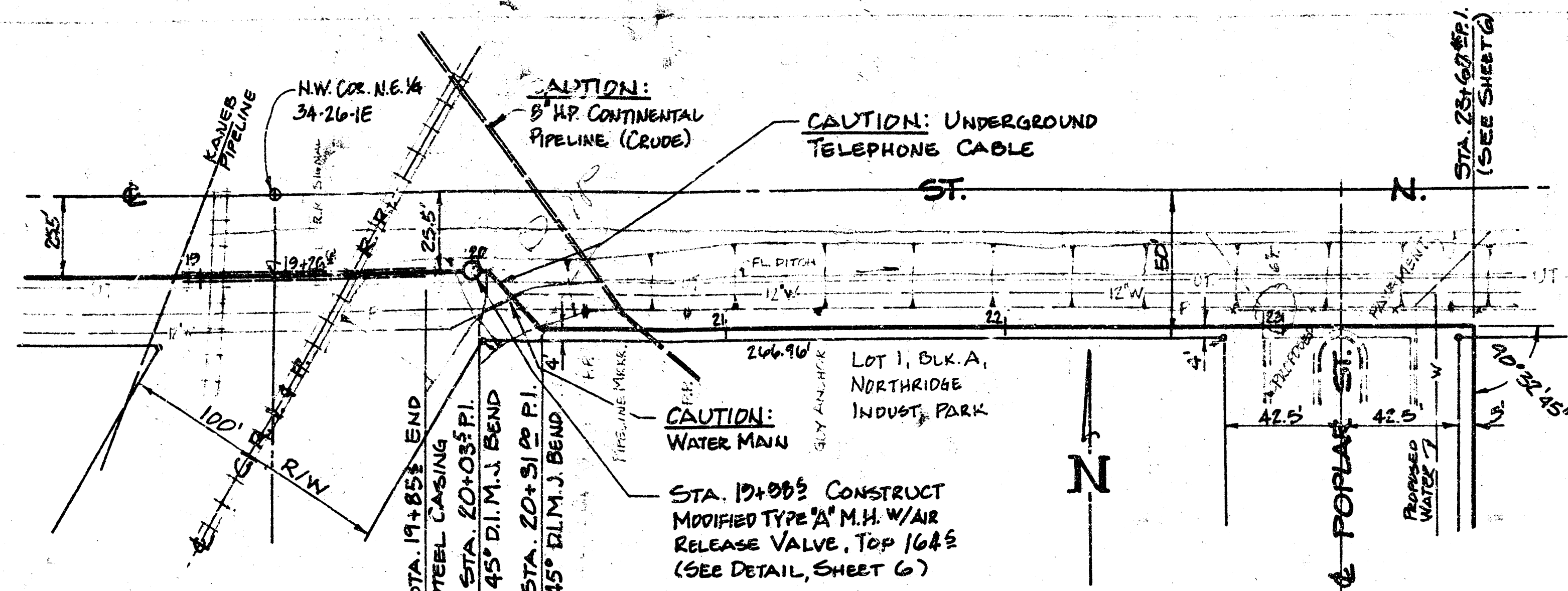


LATERAL 53, SAN SEWER 23
 INCLUDING LIFT STATION
 NORTHEDGE INDUSTRIAL PARK
 Wichita, Kansas
 Proj. no. 468-76-245-B330-000-001



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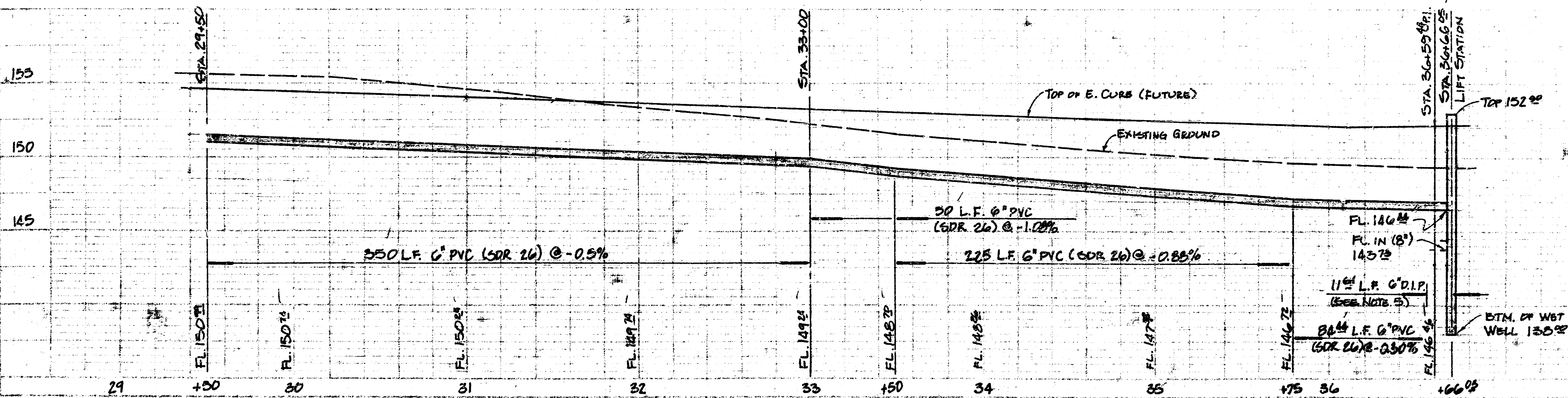
2/7



- NOTES:**
1. ALL DUCTILE IRON PIPE TO HAVE INERT LINING PER STANDARD SPECIFICATIONS.
 2. THRUST BLOCKS TO BE INSTALLED AT ALL BENDS. SEE DETAIL, SHEET G.
 3. VERTICAL CLEARANCE OF 1.0' MINIMUM REQUIRED FROM PETROLEUM PIPELINES.
 4. NOTIFY THE FOLLOWING COMPANIES 48 HRS. BEFORE ANY EXCAVATION:

KAN-UDIG-IT	267-2889
CONTINENTAL PIPELINE	800-231-2551
KANED PIPELINE	262-1408
BELL TELEPHONE	ENTERPRISE 9800
WICHITA WATER DEPT.	266-4555
 5. DUCTILE IRON PIPE SHALL EXTEND AT LEAST 5' BEYOND EXCAVATION FOR WET WELL.
 6. CONTRACTOR SHALL ERECT MARKER SIGNS ALONG FORCE MAIN, PER SPECIAL PROVISIONS. SIGNS SHALL BE AT APPROXIMATELY THE FOLLOWING STATIONS: 0+53.2, 10+00, 20+31, 23+67.45, 30+91.2, & 36+50.0.
 7. THAT PORTION OF WORK LOCATED IN 37TH STREET R/W SHALL NOT BEGIN UNTIL UTILITY PERMIT AGREEMENT WITH SEDGWICK COUNTY IS COMPLETED.
 8. ANY GRASSED AREAS WITHIN 37TH ST. NO. RIGHT OF WAY THAT ARE DISTURBED SHALL BE SEEDS AS PER CITY SPECIFICATIONS. COST SHALL BE INCIDENTAL TO THE PROJECT.
 9. CONSTRUCTION SHALL BE PHASED IN SUCH A MANNER THAT ALL 8\"/>

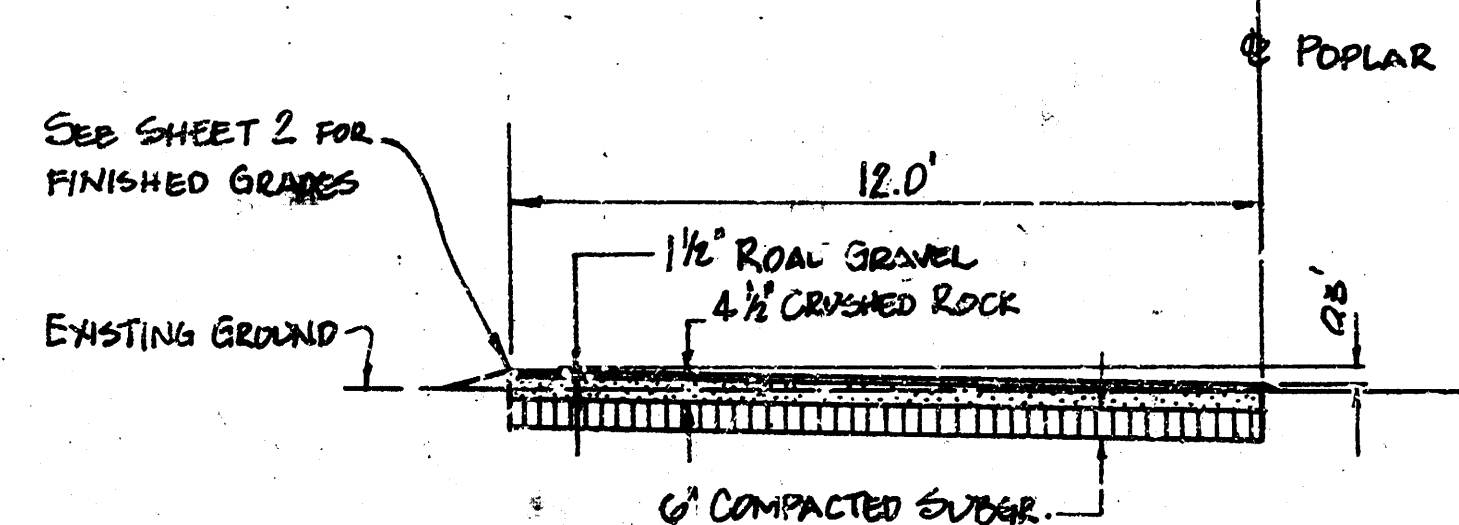
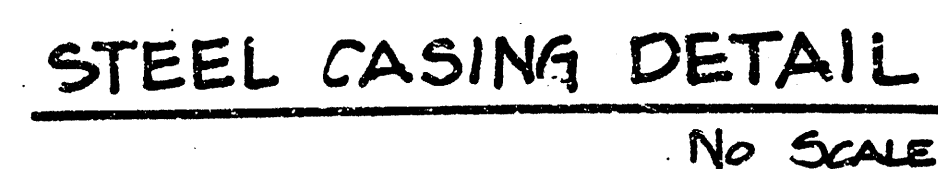
SCALE
 PLAN - 1" = 40'
 PROFILE - 1" = 40' HORIZ.
 1" = 5' VERT.



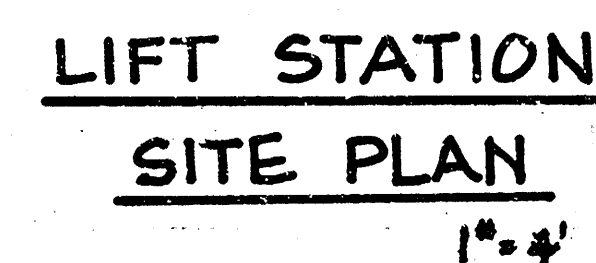
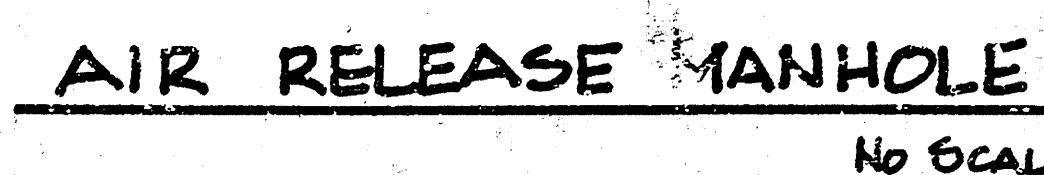
**LATERAL 53, SAN. SEWER 23
 INCLUDING LIFT STATION
 NORTHBRIDGE INDUSTRIAL PARK
 Wichita, Kansas**

Proj. no. 468-76-245-B1330-000-000-001

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NOTE: Crushed Rock Shall Conform To The Requirements Of Type AB-3 Of Section 1104 Of The 1980 Edition Of K.D.O.T. Standard Specifications.



1. THE LUMP SUM PRICE BID FOR FURNISHING AND INSTALLING LIFT STATION WITH STANDBY POWER AND MISCELLANEOUS APPURTEANCES 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 AND LIGHT ELECTRICAL SERVICE, 120/240V, 3PH, 4W, DISCONNECT SWITCH, PRIMARY AND SECONDARY ELECTRICAL POWER SUPPLY, NATURAL GAS, FUEL, PIPING, INSURED 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. & E. TRANSFORMER IN A LOCATION ALSO APPROVED BY THE ENGINEER. TRANSFORMER PAD SHALL BE CONSTRUCTED TO CONFORM WITH REQUIREMENTS OF K.G. & E. THE CONTRACTOR SHALL CONTACT K.G. & E. (LARRY UNDERHILL, 261-6449) TO MAKE ARRANGEMENTS FOR ELECTRIC SERVICE.

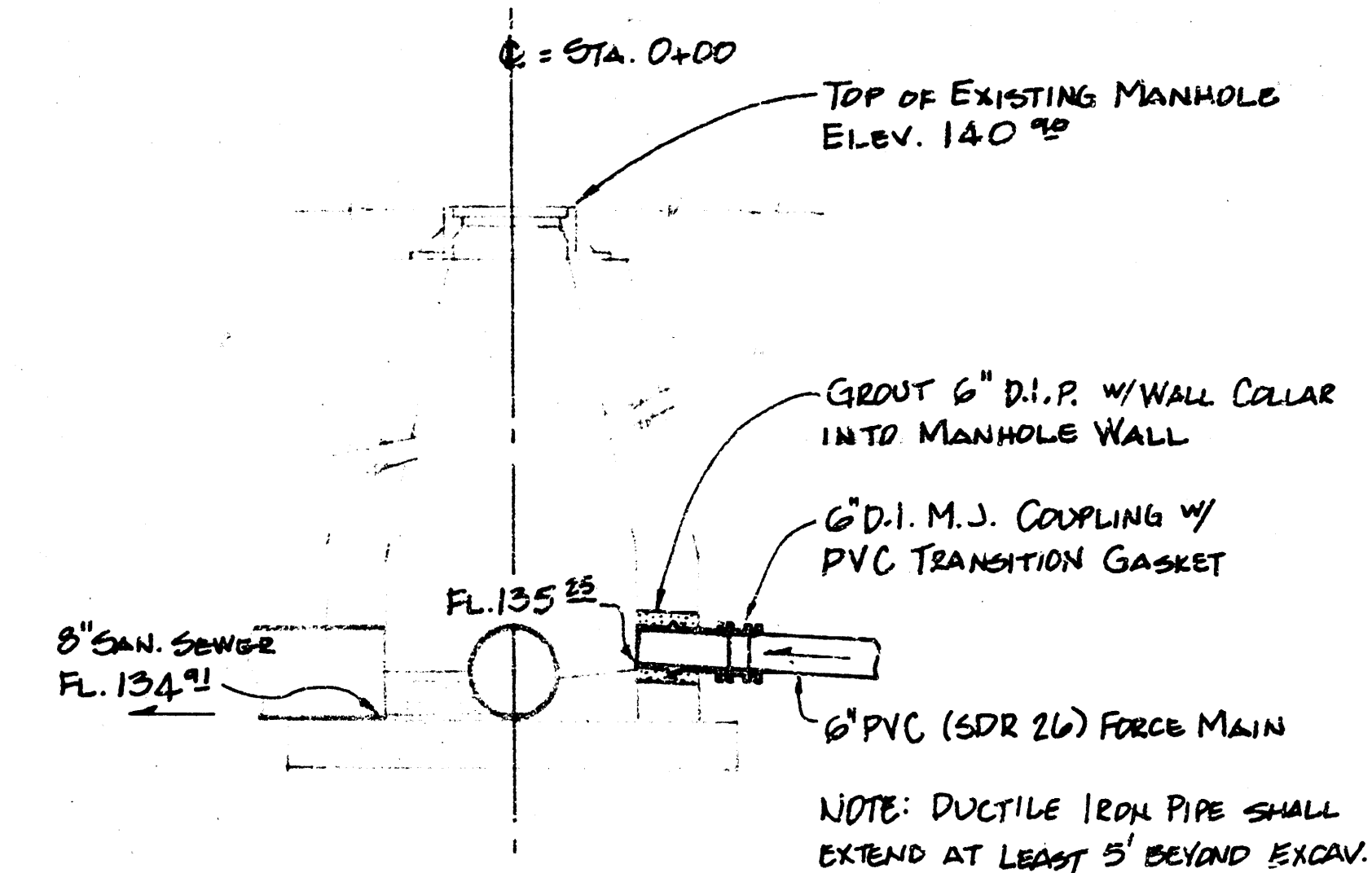
3. A 3" CONDUIT SHALL BE INSTALLED UNDERGROUND FROM THE TRANSFORMER TO THE METER. A 1 1/2" CONDUIT SHALL BE INSTALLED UNDERGROUND FROM THE LIFT STATION MODULE TO THE STANDBY POWER MODULE AND FROM THE STANDBY POWER MODULE TO THE DISCONNECT SWITCH LOCATED ON THE POWER POLE. A 3/4" CONDUIT SHALL BE INSTALLED UNDERGROUND PARALLEL WITH THE POWER CONDUIT TO FACILITATE CONNECTION OF THE ALARM SYSTEM BY OTHERS. 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.

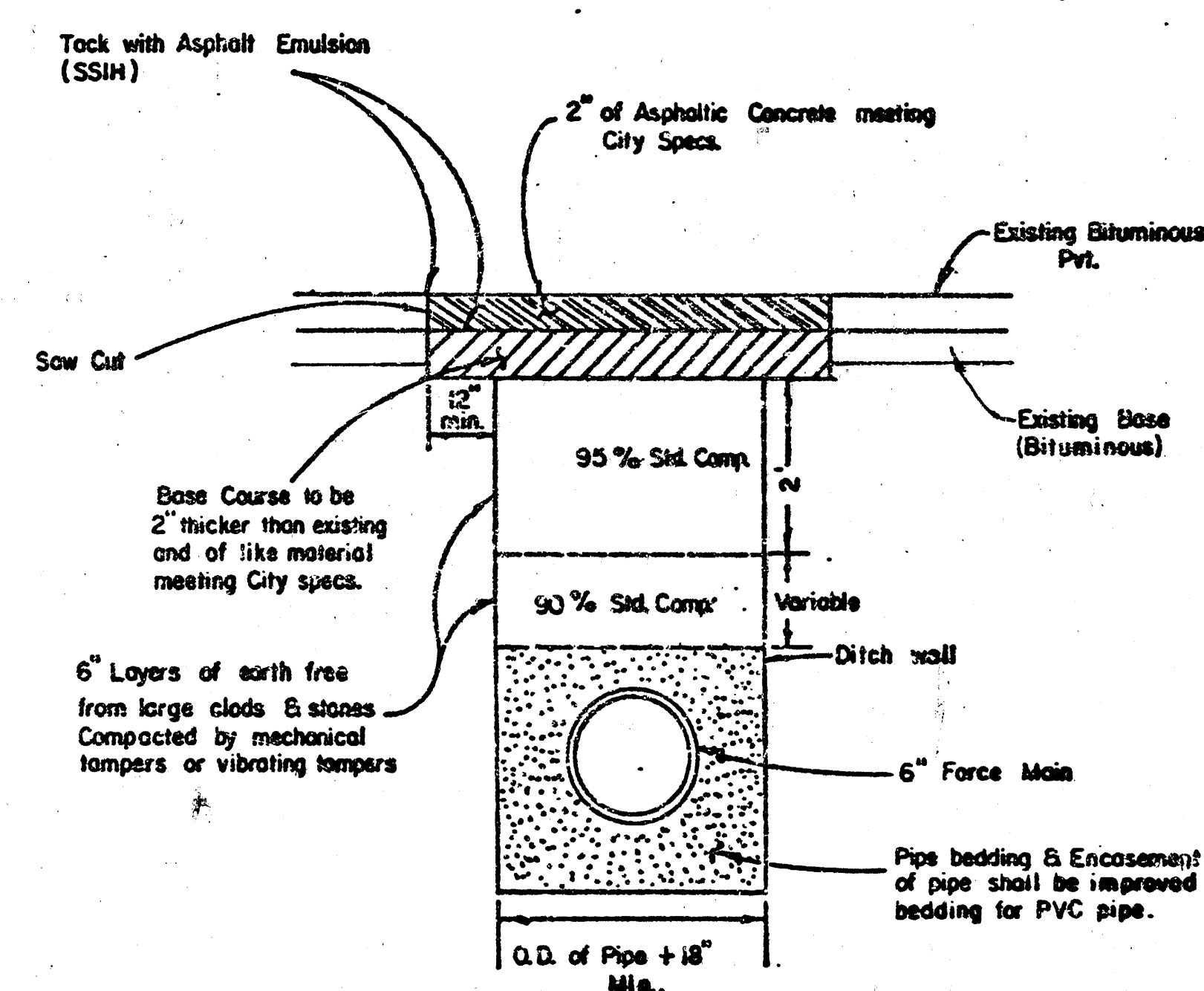
5. CONCRETE DRIVE APPROACH TO LIFT STATION TO BE INSTALLED AS PART OF POPLAR STREET PAVING PROJECT. CONTRACTOR SHALL CONSTRUCT TEMPORARY ACCESS DRIVE TO PROVIDE ACCESS TO LIFT STATION UNTIL PAVEMENT IS EXTENDED.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ARRANGEMENTS WITH GAS SERVICE COMPANY (CHARLENE MARTINEZ, 832-1243) FOR EXTENSION OF GAS SERVICE TO THE LIFT STATION SITE, AND FOR PAYMENT OF COSTS OF SUCH EXTENSION AND METER SETTING. LOCATION OF METER TO BE ACCEPTABLE TO GAS SERVICE COMPANY AND TO CITY OF WICHITA SEWER MAINTENANCE DEPARTMENT.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ALL BLOCK CORNERS OR IRONS. ANY SUCH CORNERS DESTROYED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED BY A LICENSED SURVEY OR PROFESSIONAL ENGINEER AT CONTRACTOR'S EXPENSE.



FORCE MAIN DISCHARGE
AT STA. 0+00
NO SCALE



Standard Density Test, as described in the latest addition of ASTM D 698, shall be performed to verify the above requirements to the Satisfaction of the Dept. of Engineering or the Dept. of Operations and Maintenance. All testing cost shall be included in the unit price bid for the pipe in place.

PAVEMENT REPLACEMENT DETAIL

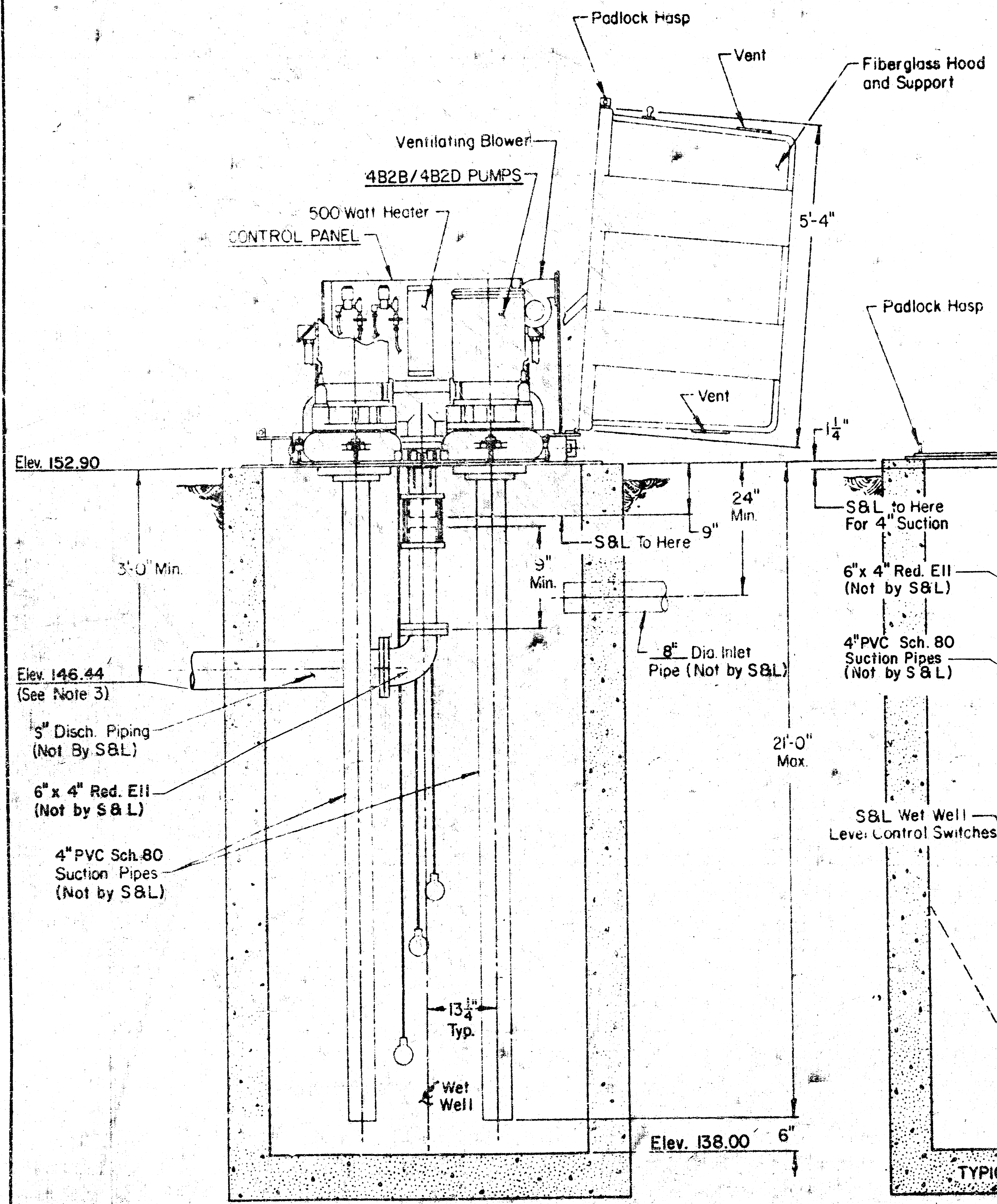
**LATERAL 53, SAN. SEWER 23
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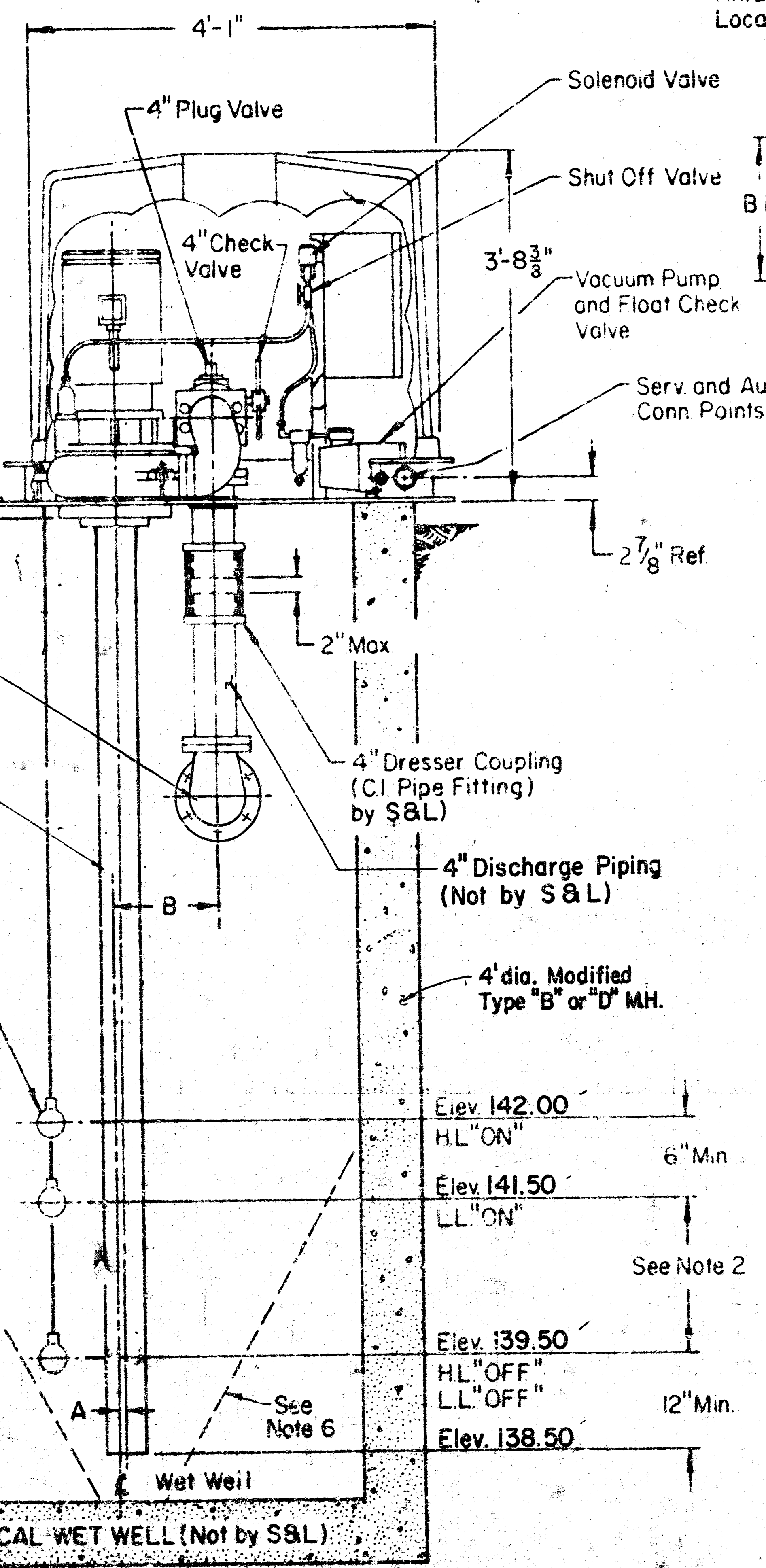
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FILMED FROM THE BEST

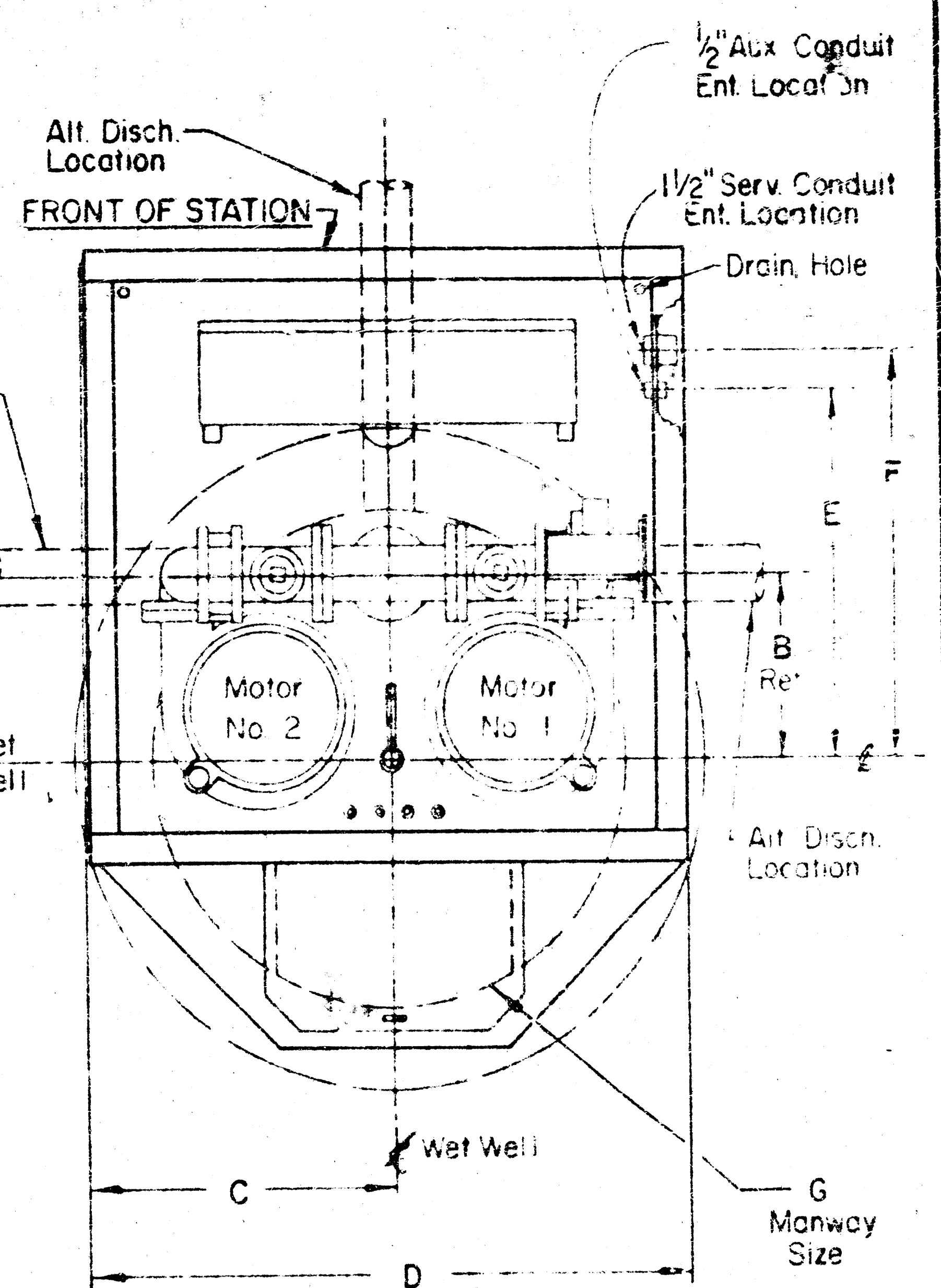
WET WELL DIAMETER	DIM. A	DIM. B	DIM. C	DIM. D	DIM. E	DIM. F	MANWAY G
4'-0"	4"	15 13/16"	33"	66"	27 7/8"	32 3/8"	14" x 24"
5'-0"	8"	19 13/16"	34"	66"	33 3/8"	37 7/8"	24 1/2" x 28"
6'-0"	2"	13 13/16"	40"	80"	27 7/8"	31 7/8"	24 1/2" x 28"



SECTIONAL ELEVATION



CROSS SECTION



PLAN VIEW
MACH. CHAMBER
(Shown Less Cover)

- NOTES:
1. Maximum Capacity - 400 G.P.M.
 2. Volume In Gallons Between L.L. "ON" and L.L. "OFF" Should Equal Pumping Rate in G.P.M.
 3. If End of Discharge Line is Below Elevation of Discharge Line at Point of Leaving Wet Well, Consult Factory.
 4. If Discharge Line is Less than 200 Feet in Length a Check Valve May be Required - Consult Factory.
 5. Pump Motors - 20 H.P. Maximum.
 6. Provide 60° Slope in Wet Well - As Required.

Lat. 53, S.S. 23
Proj. no. 468-76-245-81330-000-001

4B2B/4B2D PUMPS

87DI96

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DESIGNED BY	D. Fisher	DATE	2-79
CHECKED BY	M.E.W.	DATE	2-79
APPROVED BY	C.V.	DATE	3-79
SCALE	none		
PROJECT	N78-16		
SHEET	9		

Smith & Loveless, Inc.

WET WELL MOUNTED PUMP LIFT STA. - MODEL "S" 4" PIPING - 4' 5" B 6" DIA. WELL

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