

SANITARY SEWER LAT. 266, SOUTHWEST INTERCEPTOR

TO SERVE PART OF

GRAY'S 4th ADDITION
SEDGWICK COUNTY, KANSAS

CITY OF WICHITA, KANSAS

M.E. LINDEBAK CITY ENGINEER

CITY PROJECT NO. 468-76-245-81828-000-000-001
INDEX NO. 740175

AUGUST, 1989

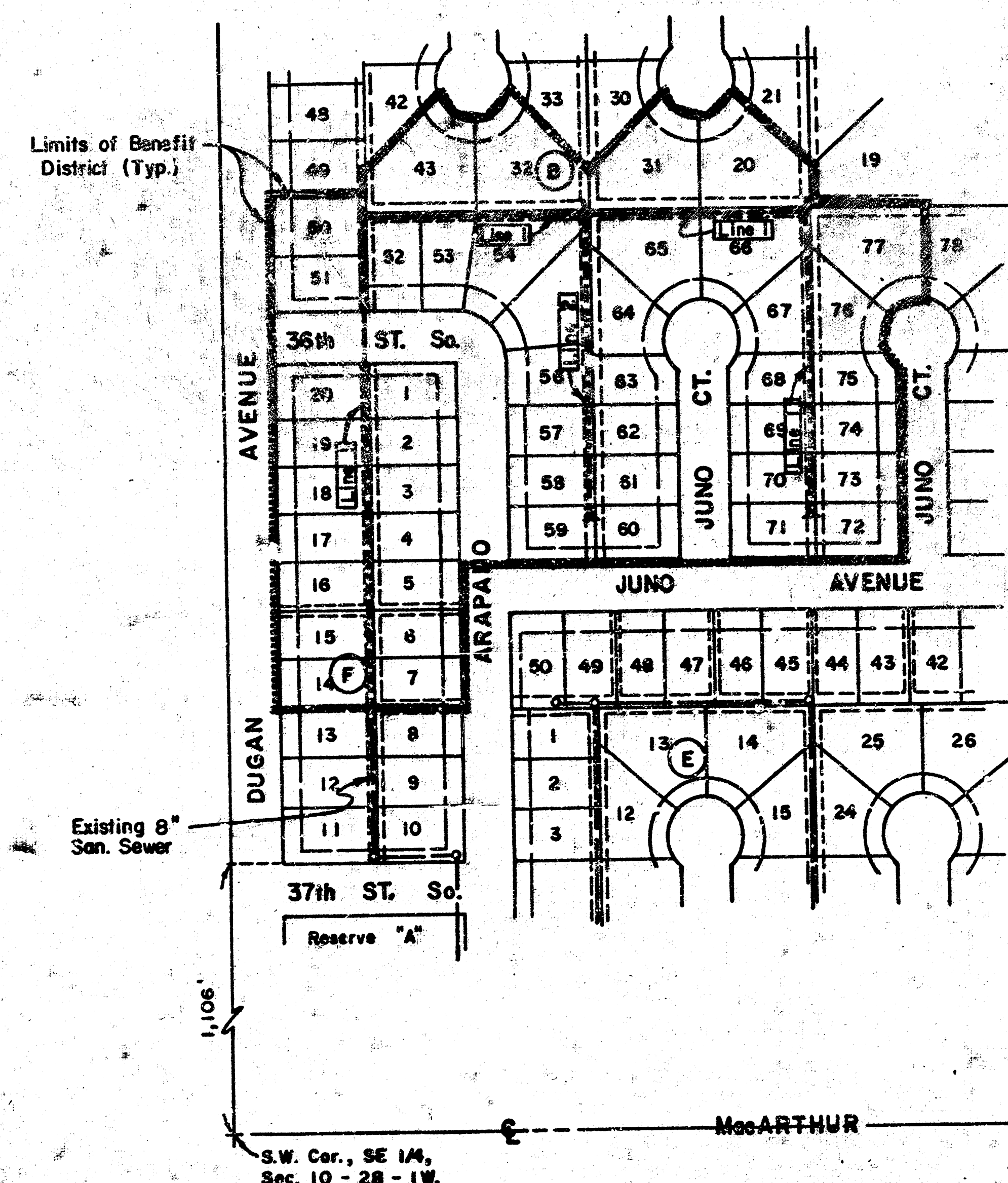
IMPROVEMENT DISTRICT DESCRIPTION

LOT 20, LOTS 31 and 32, LOT 43, and
LOTS 50 THROUGH 77 INCLUSIVE, BLOCK B.

LOTS 1 THROUGH 7 INCLUSIVE, and
LOTS 14 THROUGH 20 INCLUSIVE, BLOCK F.
IN GRAY'S 4th ADDITION

NOTES

- CONTRACTOR WILL BE REQUIRED TO PROVIDE A MINIMUM ADVANCE NOTICE OF TWENTY-FOUR (24) HOURS TO UTILITY COMPANIES PRIOR TO STARTING ANY EXCAVATION AS FOLLOWS:
KANSAS ONE-CALL 687-2470
THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF AN EMERGENCY:
CABLEVISION 262-4270 OR 263-2061
K.P. & L. GAS SERVICE COMPANY 263-7511
KANSAS GAS & ELECTRIC 263-1141
ARLIS GAS COMPANY 942-8350 OR 263-8161
SOUTHWESTERN BELL TELEPHONE COMPANY 1-571-2611
CITY OF WICHITA WATER DEPARTMENT 268-4908
CITY OF WICHITA SEWER MAINTENANCE 268-4071
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR WILL 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 IN ACCORDANCE WITH STATE LAWS.
- UNLESS OTHERWISE SPECIFIED ON THE PLANS, MANHOLES MAY BE TYPE "P", "C" OR "D" MANHOLES. MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND THE STANDARD DETAIL DRAWINGS.
- TRAFFIC WILL NOT BE AFFECTED IN THIS AREA OF CONSTRUCTION.
- CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM ALL MANHOLE COVERS.



INDEX

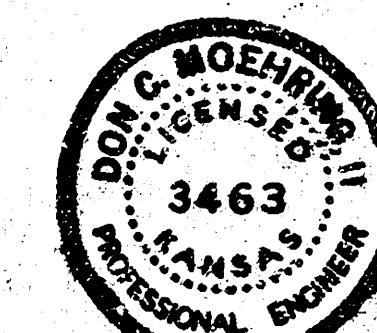
Sheet No.	Description
1	Cover Sheet
2,3	Plan & Profile - Line 1
4	Plan & Profile - Line 2
5	Vertical Riser Detail

BENCHMARKS

- "□" on top of East curb Dugan, opposite SW Cor Lot 14, Blk. "F", Gray's 4th Addn. Elev. = 119.32 City Datum.
- "□" on top of East curb Arapaho, opposite SW Cor Lot 50, Blk. "E", Gray's 4th Addn. Elev. = 118.92 City Datum.
- "V" notch on conc. slab of 11ft station at SE Cor Res. "A", Gray's 4th Addn. Elev. = 117.44 City Datum.
- "V" in Vtill on top of FH at SE cor Dugan Ave. and 36th St. S. Elev. = 121.72 City Datum.

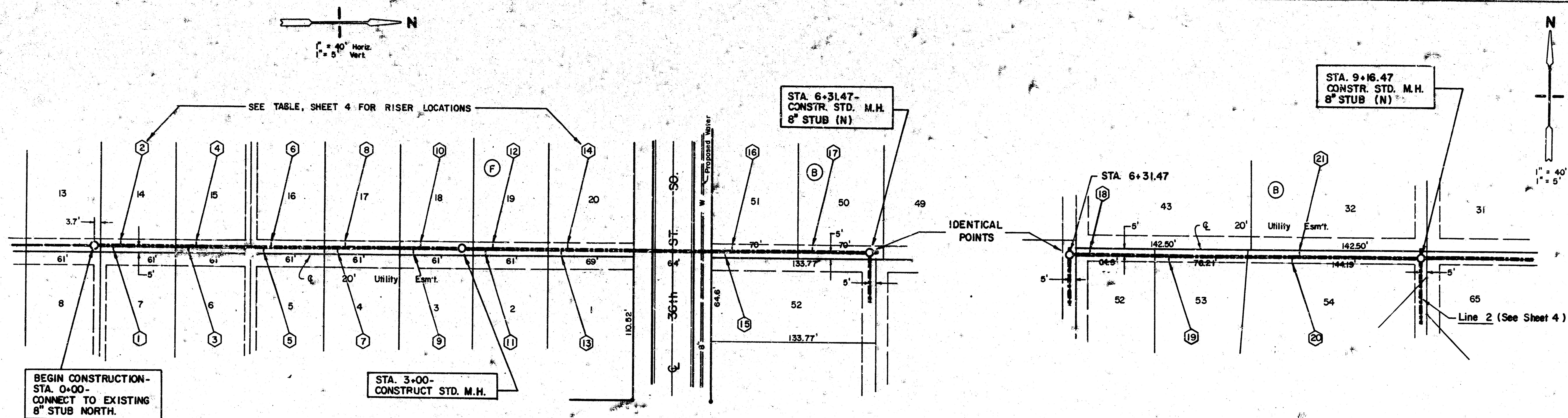
BUILT PER PLAN
1-90 RDL

MOEHRING & ASSOCIATES
CONSULTING ENGINEERS
WICHITA

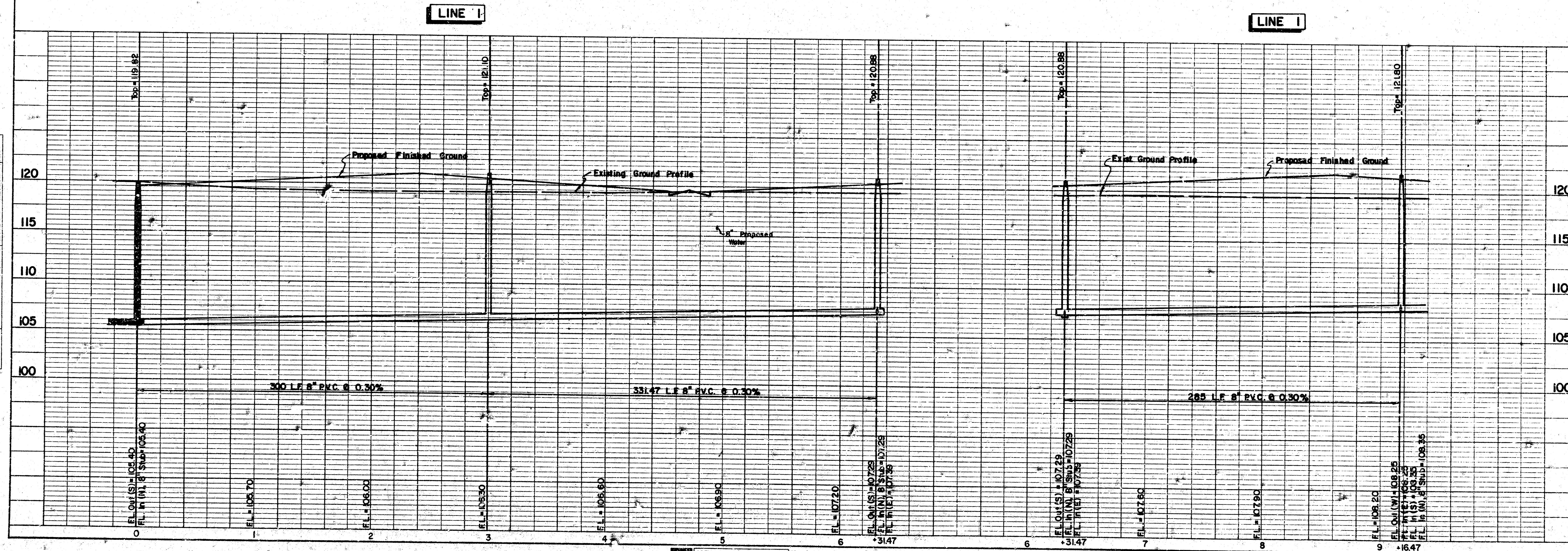


FILMED FROM THE BEST
AVAILABLE COPY

PLAN	DATE	BY	CHKD.
SURVEYED			
NOTED			
NO.			



PROFILE	DATE	BY	CHKD.
SURVEYED			
NOTED			
NO.			



KEUPPEL & GESSER PLATE 1, PLAN-PROFILE
487624 Made in U.S.A.

MOHRING & ASSOCIATES

CONSULTING ENGINEERS

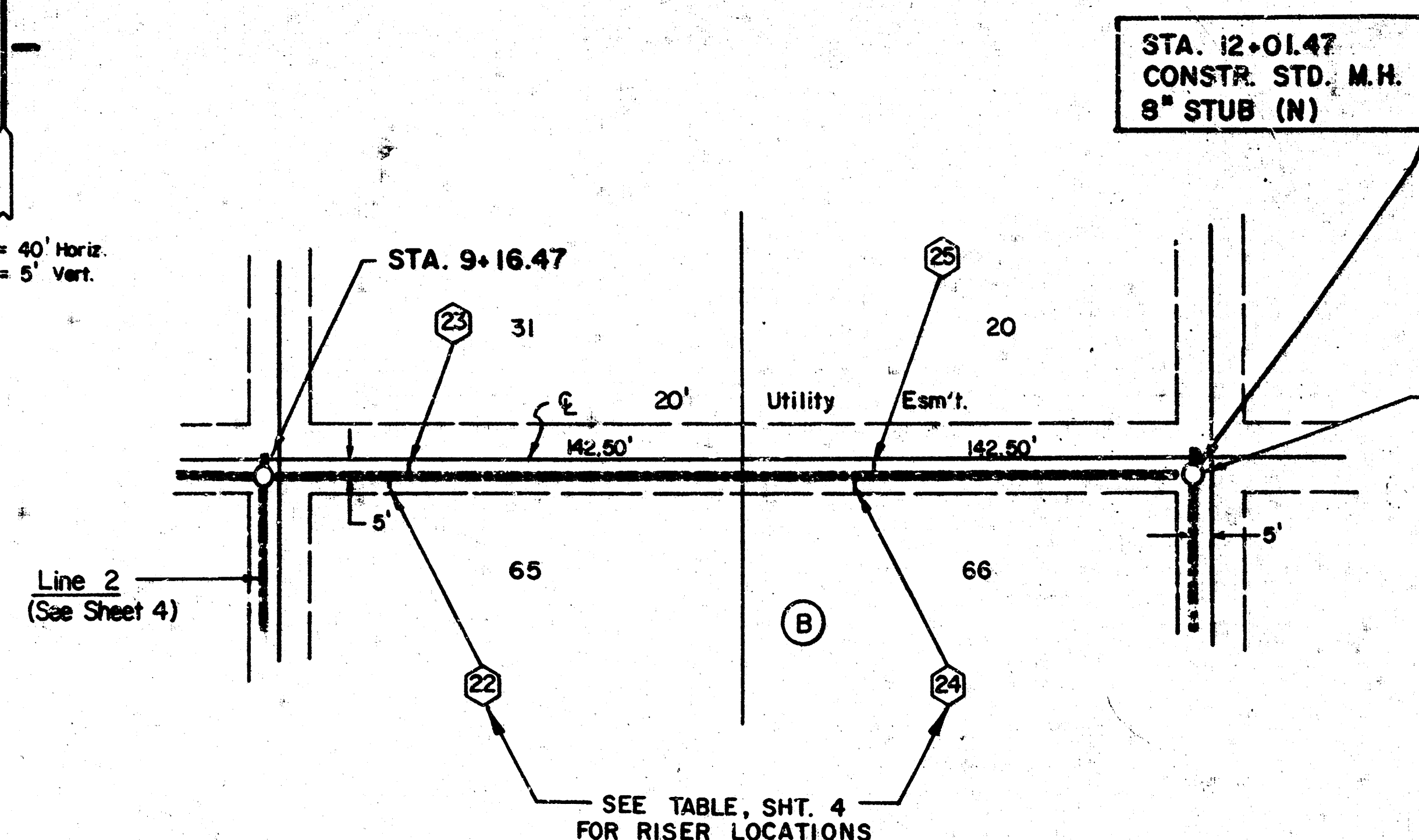
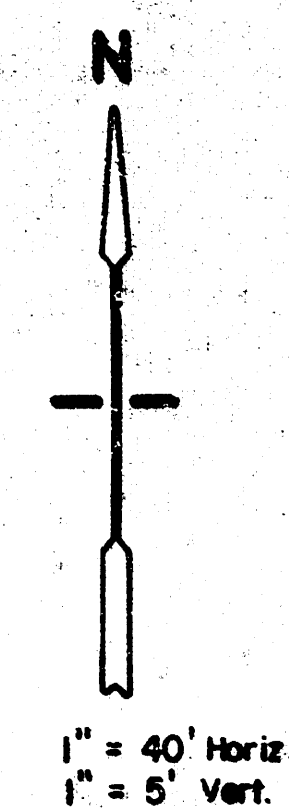
Proj. No. 468 76 245 81828 000 000 001

Sheet 2/5

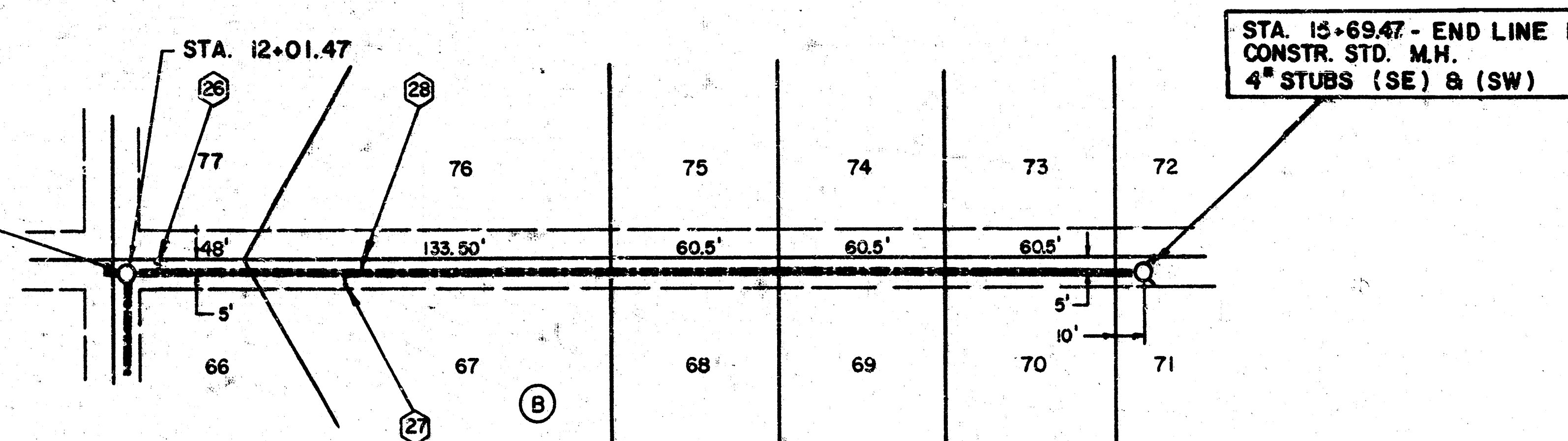
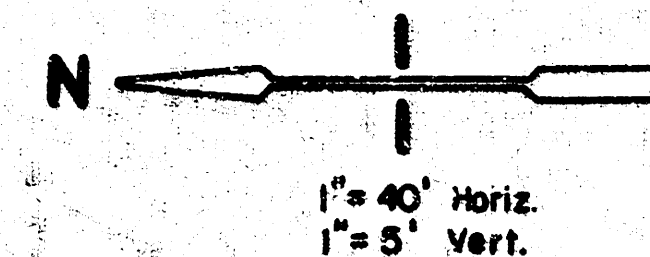
FILMED FROM THE BEST
AVAILABLE COPY

PLAN	DATE
DESIGNED BY	
CHECKED BY	
NOTED BY	
DATE	

PROFILE	DATE
DESIGNED BY	
CHECKED BY	
NOTED BY	
DATE	

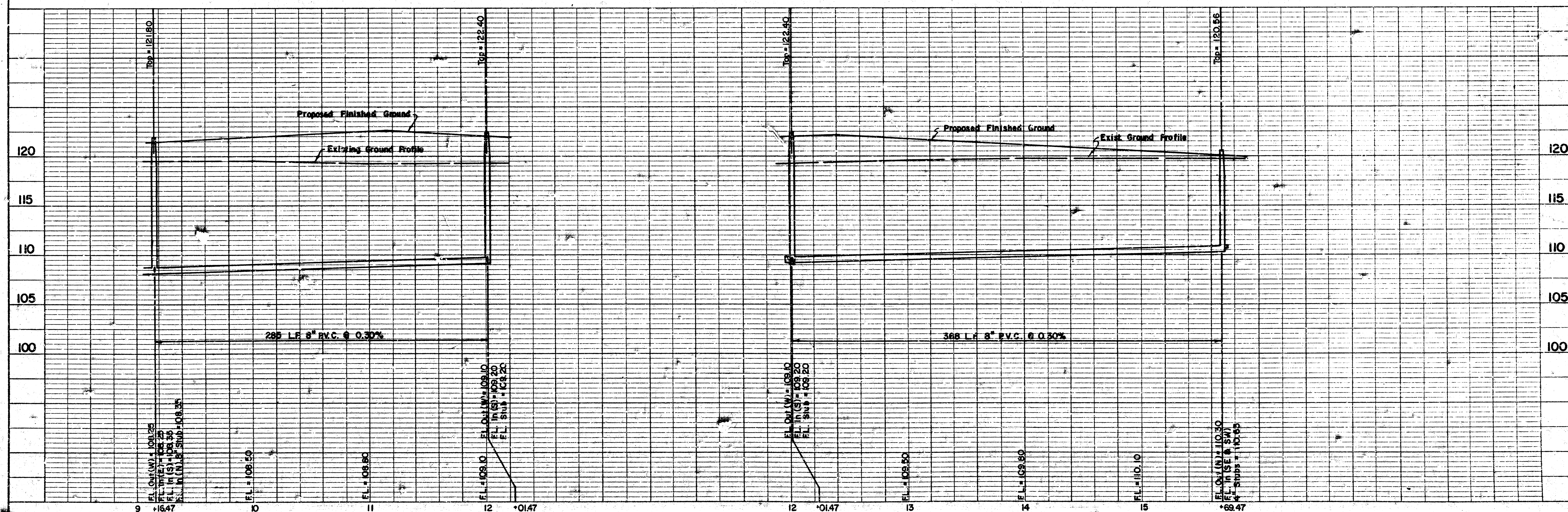


IDENTICAL POINTS



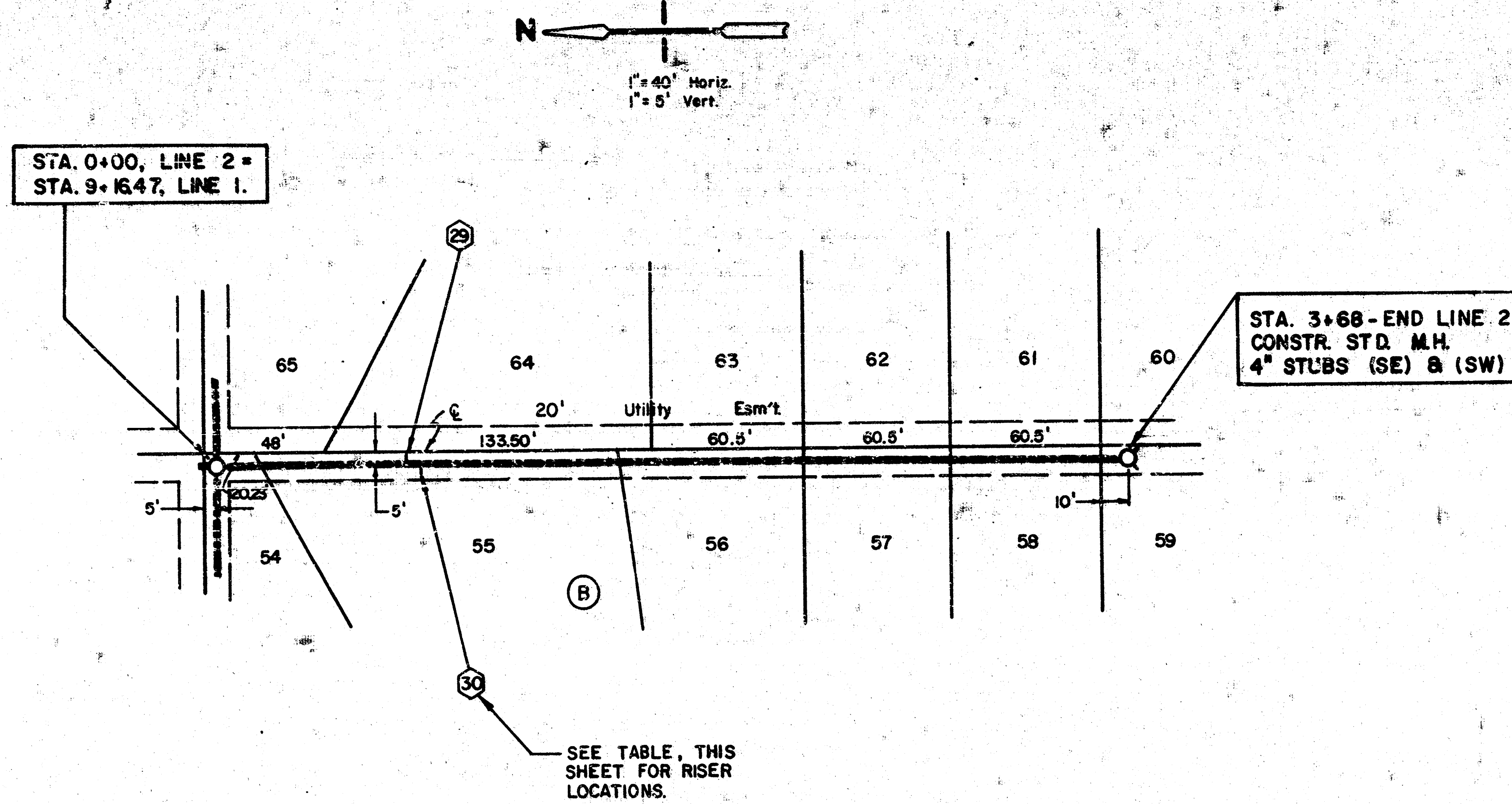
LINE 1

LINE 1

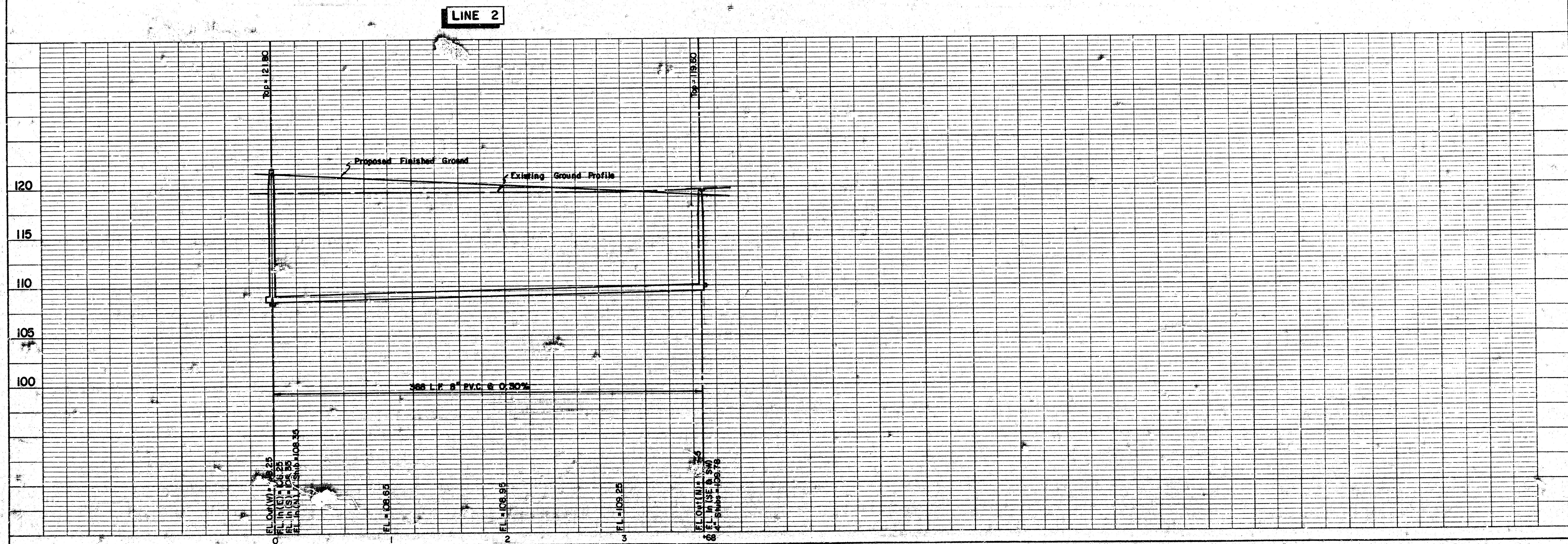


PLAN	SURVEYED	DATE
	NOTED	BY
	NOTED	BY
	NOTED	BY

PROFILE	SURVEYED	DATE
	NOTED	BY
	NOTED	BY
	NOTED	BY



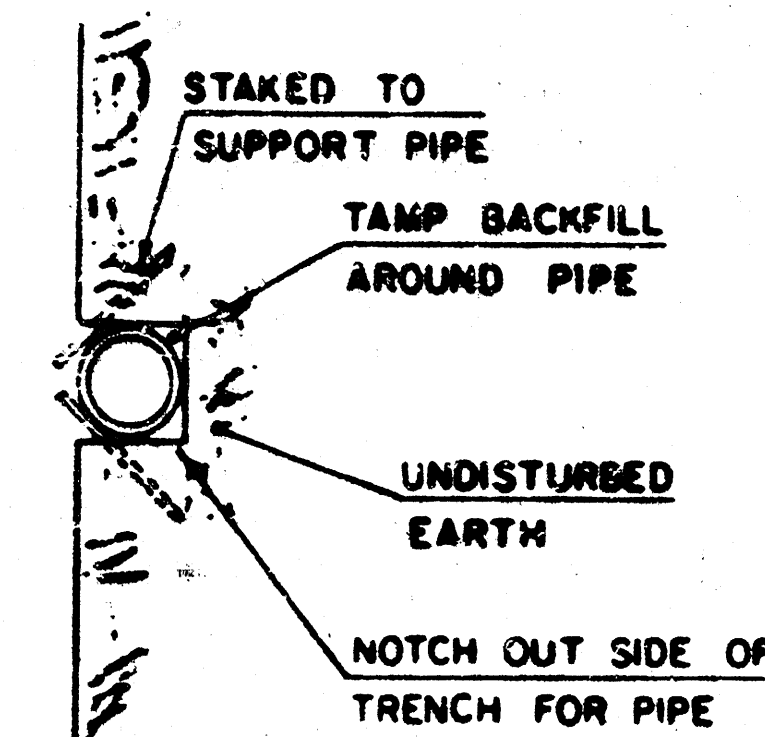
RISER LOCATION TABLE									
TEE SADDLE LOCATION				4" RISER PIPE					
NO.	LINE NO.	STATION	BLOCK NO.	LOT NO.	DIRECTION	(L.F.)	FL 8" S.S.	TOP RISER	
1	1	0+14	"F"	7	E Rt.	6.0	105.44	111.4	
2	1	0+20	"F"	14	W Lt.	6.0	105.46	111.5	
3	1	0+75	"F"	6	E Rt.	6.5	105.63	112.1	
4	1	0+81	"F"	15	W Lt.	6.5	105.56	112.1	
5	1	1+36	"F"	5	E Rt.	6.5	105.81	112.3	
6	1	1+42	"F"	16	W Lt.	6.5	105.83	112.3	
7	1	1+97	"F"	4	E Rt.	7.0	105.99	113.0	
8	1	2+03	"F"	17	W Lt.	7.0	106.01	113.0	
9	1	2+58	"F"	3	E Rt.	7.0	106.17	113.2	
10	1	2+64	"F"	18	W Lt.	6.5	106.19	112.7	
11	1	3+19	"F"	2	E Rt.	6.0	106.36	112.4	
12	1	3+25	"F"	19	W Lt.	6.0	106.38	112.4	
13	1	3+80	"F"	1	E Rt.	5.5	106.54	112.0	
14	1	3+86	"F"	20	W Lt.	5.5	106.56	112.1	
15	1	5+13	"B"	52	E Rt.	5.0	106.94	111.9	
16	1	5+19	"B"	51	W Lt.	5.0	106.96	112.0	
17	1	5+83	"B"	50	W Lt.	5.0	107.15	112.1	
18	1	6+47	"B"	43	N Lt.	5.0	107.44	112.4	
19	1	7+12	"B"	53	S Rt.	5.5	107.64	113.1	
20	1	8+12	"B"	54	S Rt.	5.5	107.94	113.4	
21	1	8+18	"B"	32	N Lt.	5.5	107.96	113.5	
22	1	9+50	"B"	65	S Rt.	5.5	108.37	113.9	
23	1	9+62	"B"	31	N Lt.	5.5	108.39	113.9	
24	1	10+98	"B"	66	S Rt.	6.0	108.79	114.8	
25	1	11+04	"B"	20	N Lt.	6.0	108.81	114.8	
26	1	12+12	"B"	77	E Lt.	5.0	109.23	114.2	
27	1	12+79	"B"	67	W Rt.	4.5	109.44	113.9	
28	1	12+85	"B"	76	E Lt.	4.5	109.46	114.0	
29	2	0+77	"B"	64	S Lt.	4.5	108.58	113.1	
30	2	0+83	"B"	55	W Rt.	4.5	108.60	113.1	



VERTICAL RISER DETAIL

ADOPTED AS STANDARD DESIGN
BY

CITY OF WICHITA, KANSAS

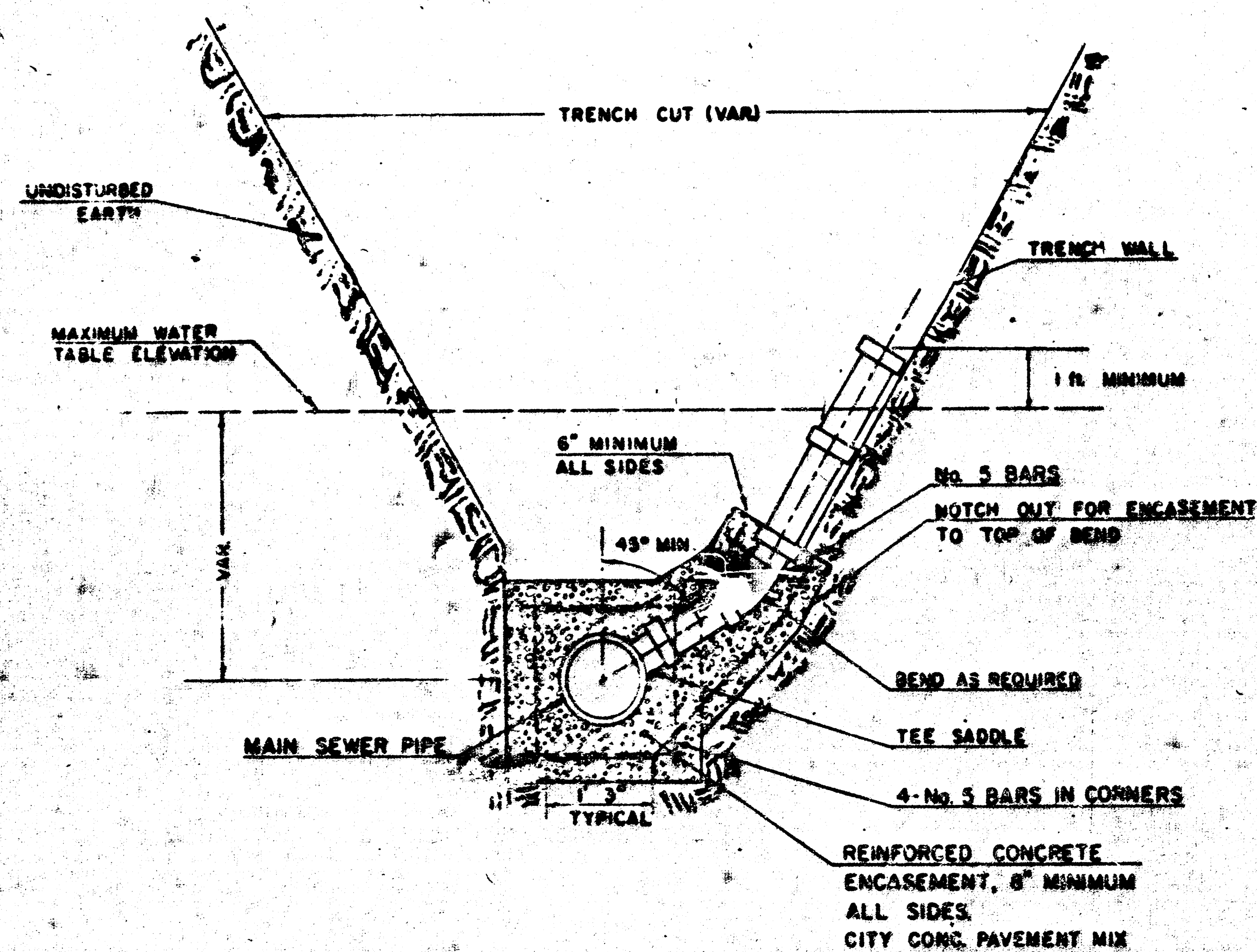


GENERAL NOTE

RISERS SHALL BE INSTALLED TO SERVE ALL LOTS OR TRACTS WHEN THE MAIN SEWER LINE IS BELOW THE WATER TABLE. RISERS SHALL ALSO BE INSTALLED TO SERVE ALL LOTS AND TRACTS WHEN THE MAIN SEWER LINE DEPTH IS SUCH THAT WOULD MAKE THE BUILDING SEWER LINE CONNECTION DIFFICULT. INSTALLATION OF RISERS BECAUSE OF MAIN LINE SEWER DEPTH SHALL BE AS APPROVED BY THE ENGINEER. THE LOCATION OF RISERS TO SERVE DEVELOPED PROPERTY SHALL BE APPROVED BY THE PROPERTY OWNER. PIPE STUBS SHALL BE INSTALLED IN MANHOLES WHERE LOCATIONS OF MANHOLES WILL PROVIDE SATISFACTORY SERVICE CONNECTIONS AS DETERMINED BY THE FIELD ENGINEER. THE VERTICAL DISTANCE BETWEEN THE FLOW LINE OF THE MANHOLE PIPE STUB AND THE FLOW LINE OF THE MAIN SEWER LINE SHALL NOT EXCEED 4 FT. MANHOLE PIPE STUBS SHALL NOT BE SET BELOW AN ELEVATION WHICH WILL PERMIT THE TOP OF THE INSIDE OF THE STUB TO WATER THE TOP OF THE INSIDE OF THE MAIN SEWER PIPE. PIPE STUBS AND RISERS INSTALLED TO SERVE COMMERCIAL OR INDUSTRIAL PROPERTY SHALL BE 6 INCH. PIPE STUBS AND RISERS INSTALLED TO SERVE RESIDENTIAL PROPERTY MAY BE EITHER 6 INCH OR 4 INCH DEPENDING UPON THE AVAILABLE GRADE AND THE SIZE OF THE LOT AS DETERMINED BY THE FIELD ENGINEER. ENCASUREMENT OF VITRIFIED CLAY MAIN SEWER PIPE SHALL EXTEND TO THE FIRST JOINT IN THE MAIN SEWER CLAY PIPE ON EACH SIDE OF THE RISER INSTALLATION. ENCASEMENT OF A.B.S. COMPOSITE OR P.V.C. MAIN SEWER PIPE SHALL EXTEND A MINIMUM OF 3 FT. ON BOTH SIDES OF THE CENTERLINE OF THE RISER. FOUR INCH AND SIX INCH RISER PIPE SHALL BE ENCASED WITH CONCRETE TO THE TOP OF THE BEND AS INDICATED IN THE DRAWINGS. FOUR INCH AND SIX INCH CLAY PIPE USED FOR RISERS SHALL BE EXTRA STRENGTH PIPE CONFORMING TO THE REQUIREMENTS OF THE LATEST REVISION OF A.S.T.M. DESIGNATION C700 WITH COMPRESSION JOINTS AS SPECIFIED FOR CLAY PIPE IN THE STANDARD SPECIFICATIONS. FOUR INCH AND SIX INCH A.B.S. OR P.V.C. PIPE SHALL BE PIPE APPROVED FOR USE IN THE CITY BY THE CHIEF PLUMBING AND MECHANICAL INSPECTOR FOR THE CENTRAL INSPECTION DIVISION OF THE DEPARTMENT OF HOUSING AND ECONOMIC DEVELOPMENT. LOCATIONS OF THE ENDS OF THE RISERS SHALL BE MARKED BY FASTENING GREEN COLORED PLASTIC TAPE TO THE END OF THE RISER WHICH SHALL BE EXTENDED TO THE GROUND SURFACE AS THE EXCAVATION IS BACKFILLED SUCH THAT THE COLORED TAPE WILL BE VISIBLE WHEN THE PROJECT IS COMPLETED. THE END OF THE RISER PIPE AND MANHOLE STUBS SHALL BE CAPTED OR PLUGGED USING FITTINGS FURNISHED BY THE MANUFACTURER OF THE PIPE. CONTRACTOR'S METHODS FOR SUPPORTING AND BACKFILLING RISER PIPE SHALL BE APPROVED BY THE ENGINEER.

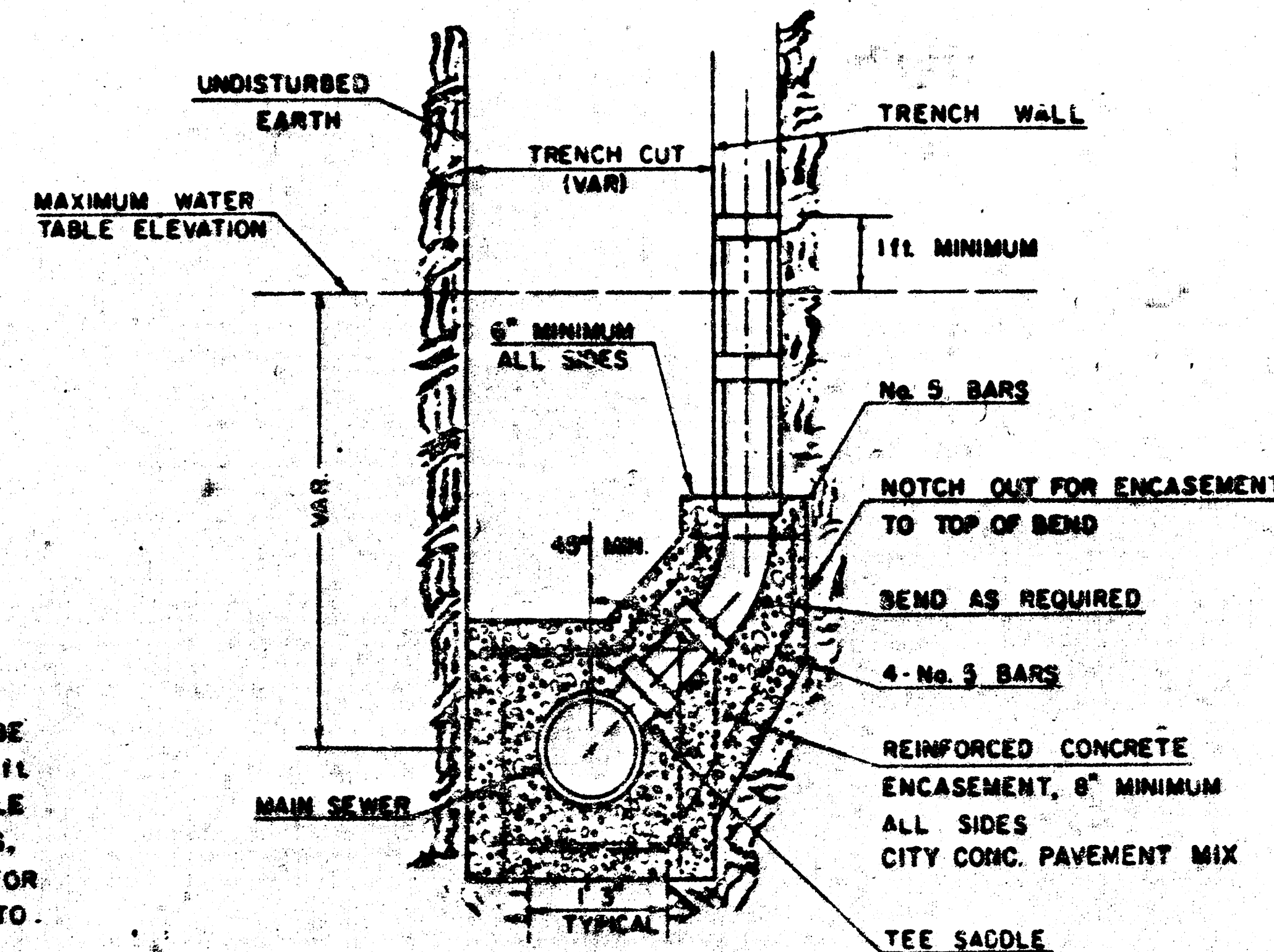
FURNISHING AND INSTALLING RISERS SHALL BE PAID FOR AT THE UNIT PRICES BID FOR 4" PIPE, 6" PIPE AND REINFORCED CONCRETE ENCASUREMENT FOR THE VARIOUS MAIN SEWER PIPE SIZES INDICATED; WHICH PRICE SHALL INCLUDE ALL COSTS FOR COMPLETION OF THIS ITEM INCLUDING SADDLES, BENDS, CONCRETE, REINFORCING STEEL, CAPS OR PLUGS, AND ALL OTHER NECESSARY MATERIALS OR WORK. CONCRETE ENCASUREMENT OF THE RISER PIPE TO THE TOP OF THE BEND AS SHOWN BY THE DRAWINGS WILL NOT BE PAID FOR DIRECTLY AND THE COST FOR THIS WORK SHALL BE CONSIDERED AS SUBSIDIARY TO THE OTHER ITEMS OF WORK.

THE PROJECT INSPECTOR SHALL REPORT ON INSPECTOR CARDS THE LOCATION OF ALL RISERS CONSTRUCTED AS HEARD FROM THE NEAREST MANHOLE, THE DIRECTION OF SERVICE, THE ELEVATION OF THE TOP OF THE RISER, AND THE PAY QUANTITIES INVOLVED. THE PROJECT INSPECTOR SHALL ALSO REPORT ON INSPECTOR CARDS THE LOCATION, DIRECTION OF SERVICE, AND SIZE OF ALL STUBS INSTALLED IN MANHOLES.



TYPICAL RISER FOR SLOPING TRENCH WALLS

NOTE:
TOP OF 4" OR 6" RISER PIPE TO BE EXTENDED TO AN ELEVATION OF 1 FT. MINIMUM ABOVE THE WATER TABLE ELEVATION, WHEN WATER EXISTS, OR TO AN ELEVATION SUITABLE FOR PROVIDING SERVICE TO THE LOT TO BE SERVED AND THEN PLUGGED.



TYPICAL RISER FOR VERTICAL TRENCH WALLS