

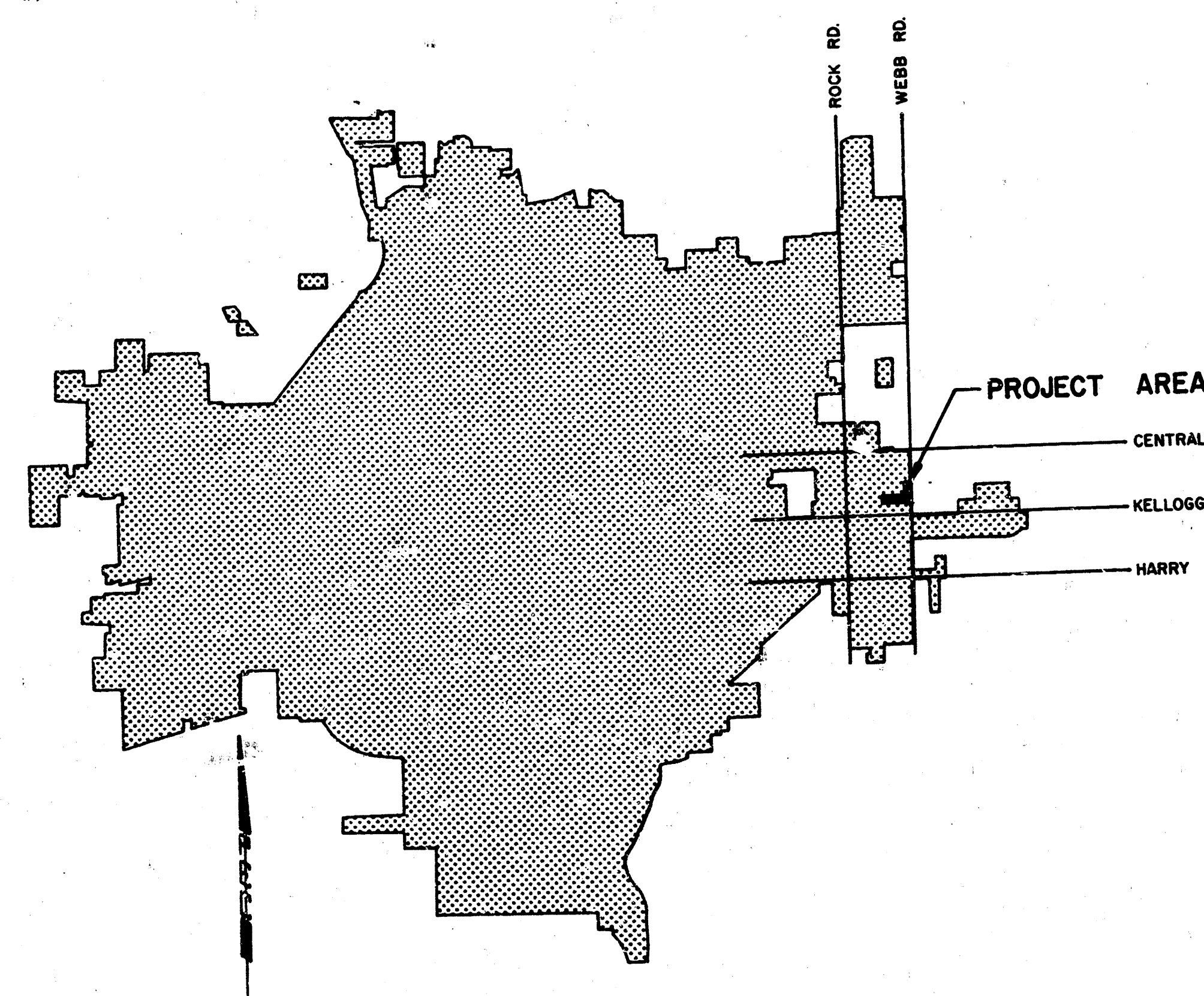
CONSTRUCTION PLANS FOR
LATERAL 15, MAIN 13, WAR INDUSTRIES SEWER

TO SERVE
MAXWELL ADDITION AND MAXWELL 2ND ADDITION

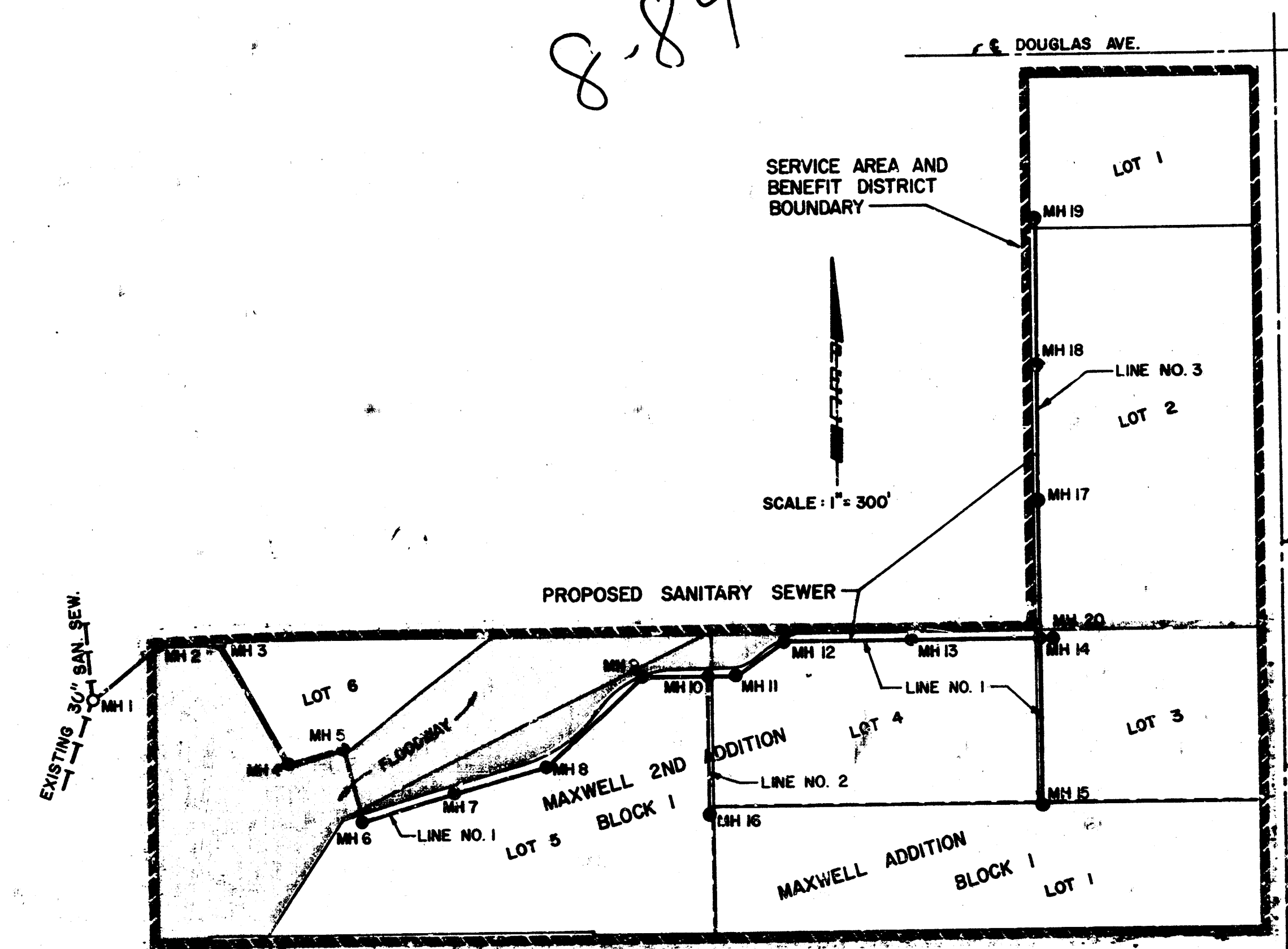
**THE CITY OF WICHITA,
SEDGWICK COUNTY, KANSAS**

INDEX OF SHEETS

SHEET NO. 1 TITLE SHEET
SHEET NO. 2 GENERAL NOTES AND DETAILS
SHEET NO. 3 EASEMENT GRADING
SHEET NO. 4-8 PLAN/PROFILE



LOCATION MAP

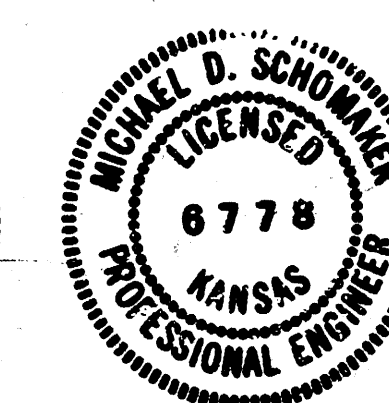
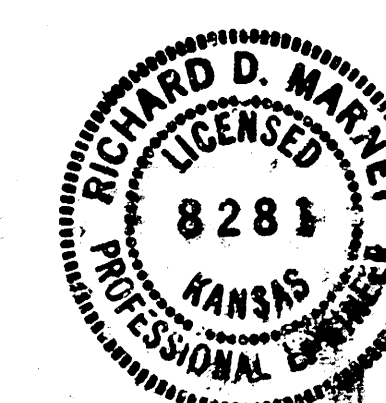


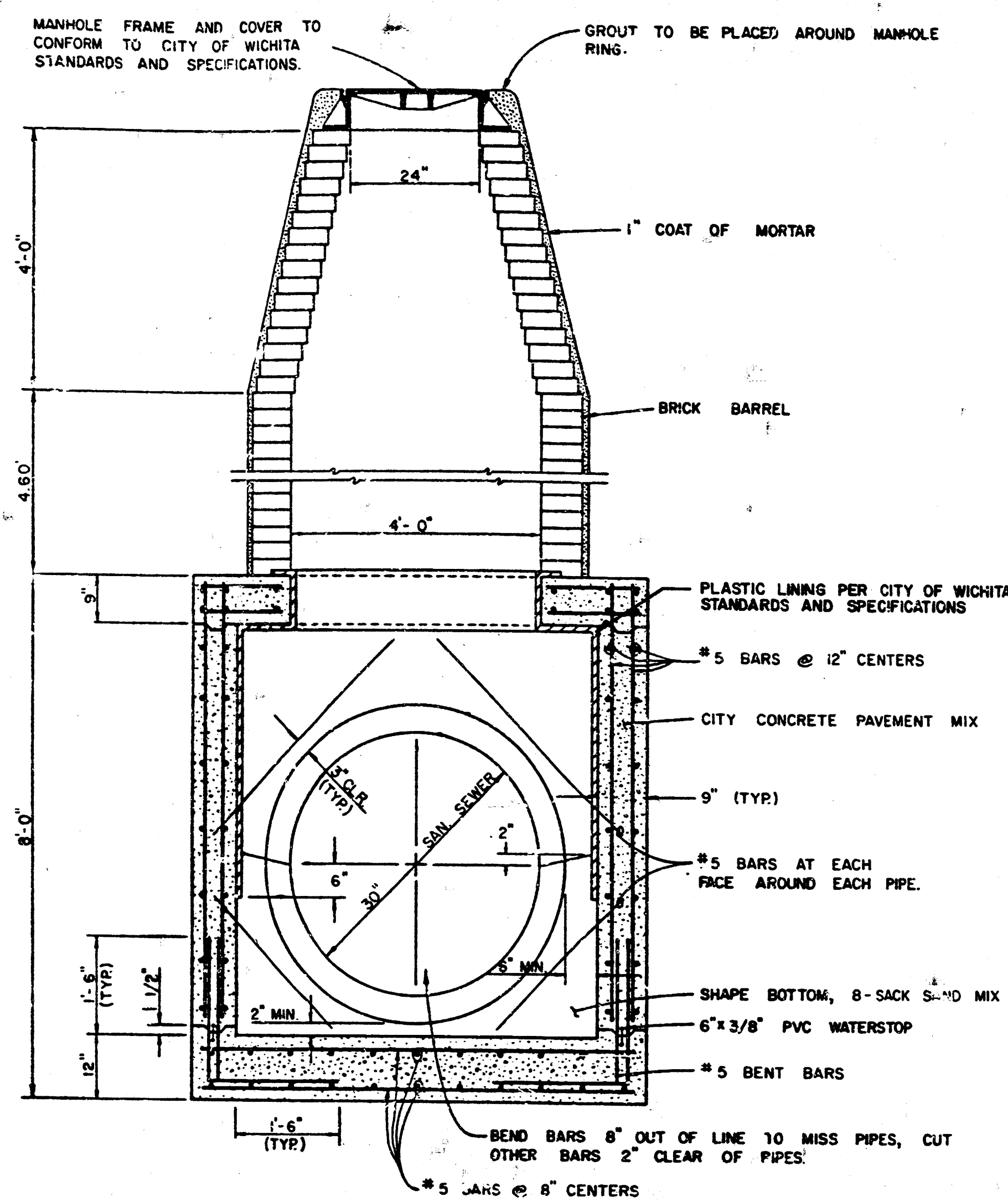
CITY OF WICHITA PROJECT NO. 468-76-245-81288 -000-000-001

OCTOBER, 1983

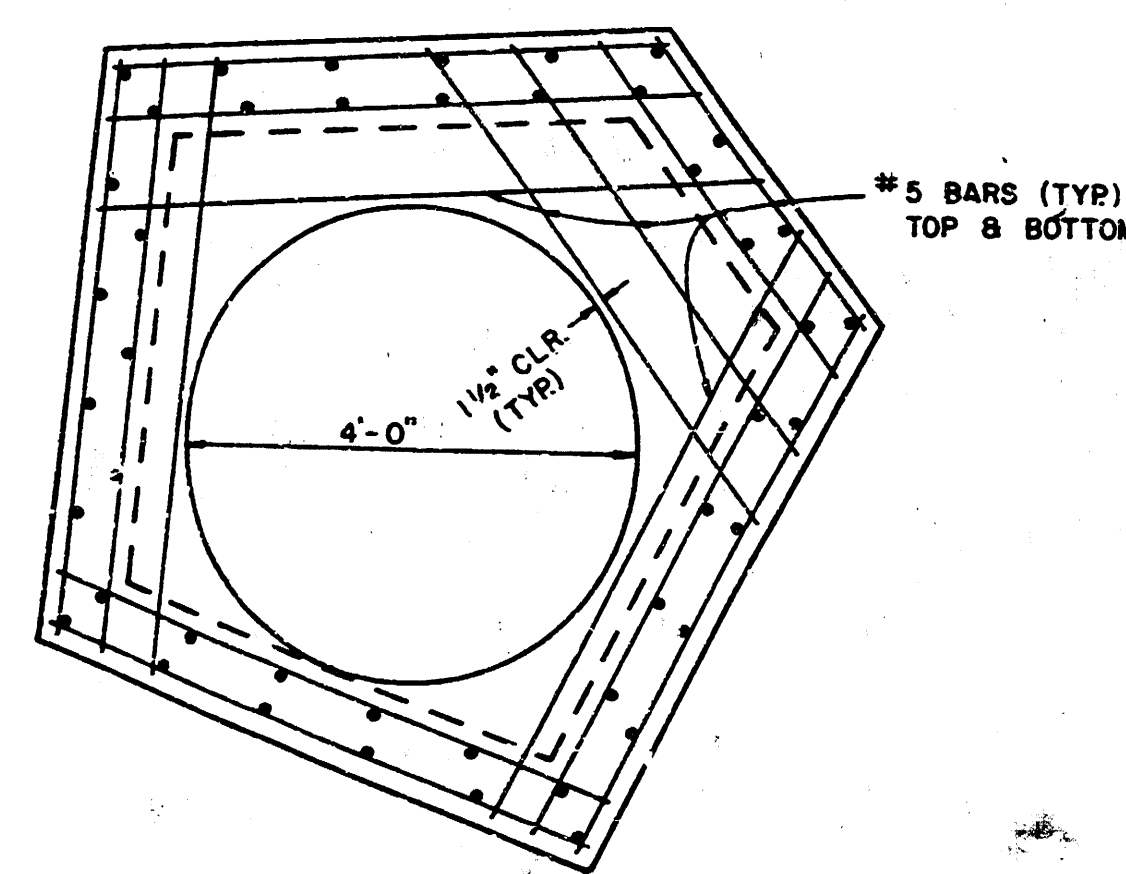
PLANS PREPARED BY

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

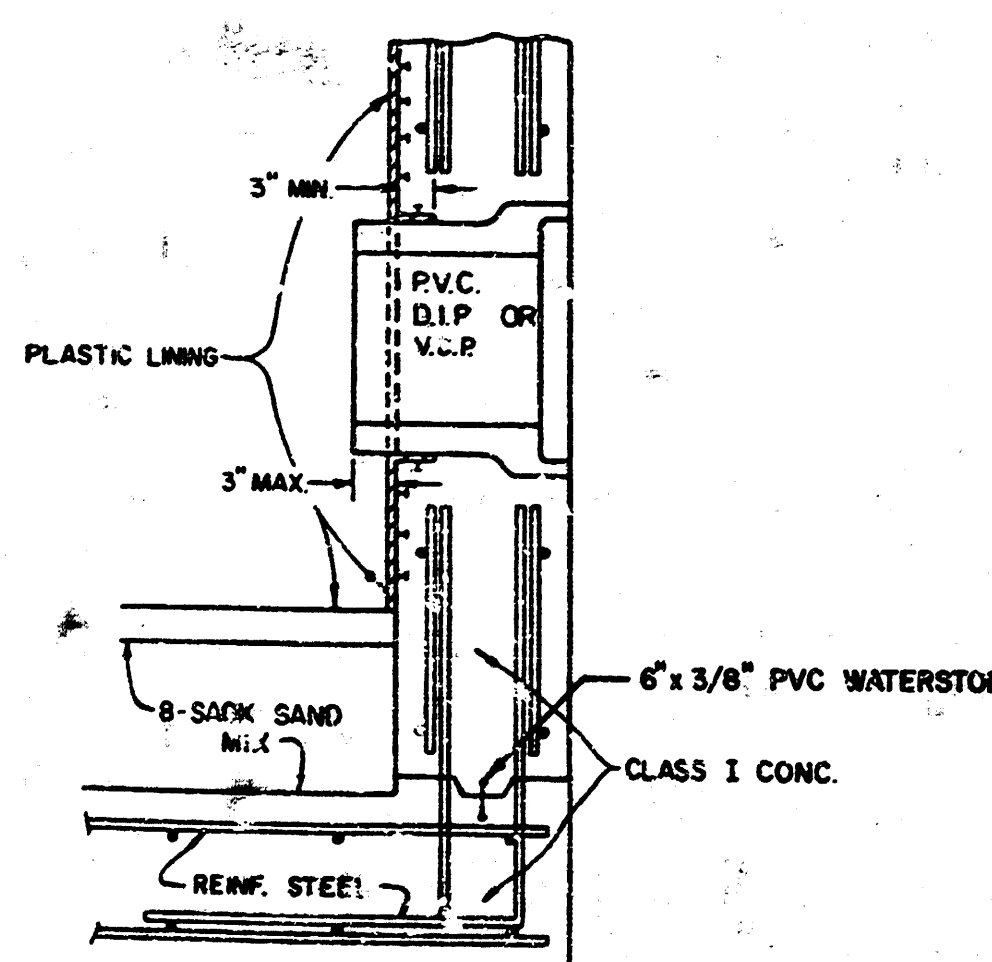




SECTION "X"
REINFORCED CONCRETE MANHOLE
(NOT TO SCALE)



SPECIAL REINFORCED CONCRETE MANHOLE
TOP SLAB REINFORCEMENT 1/2" = 1'-0"



PIPE CONNECTION DETAIL
(NOT TO SCALE)

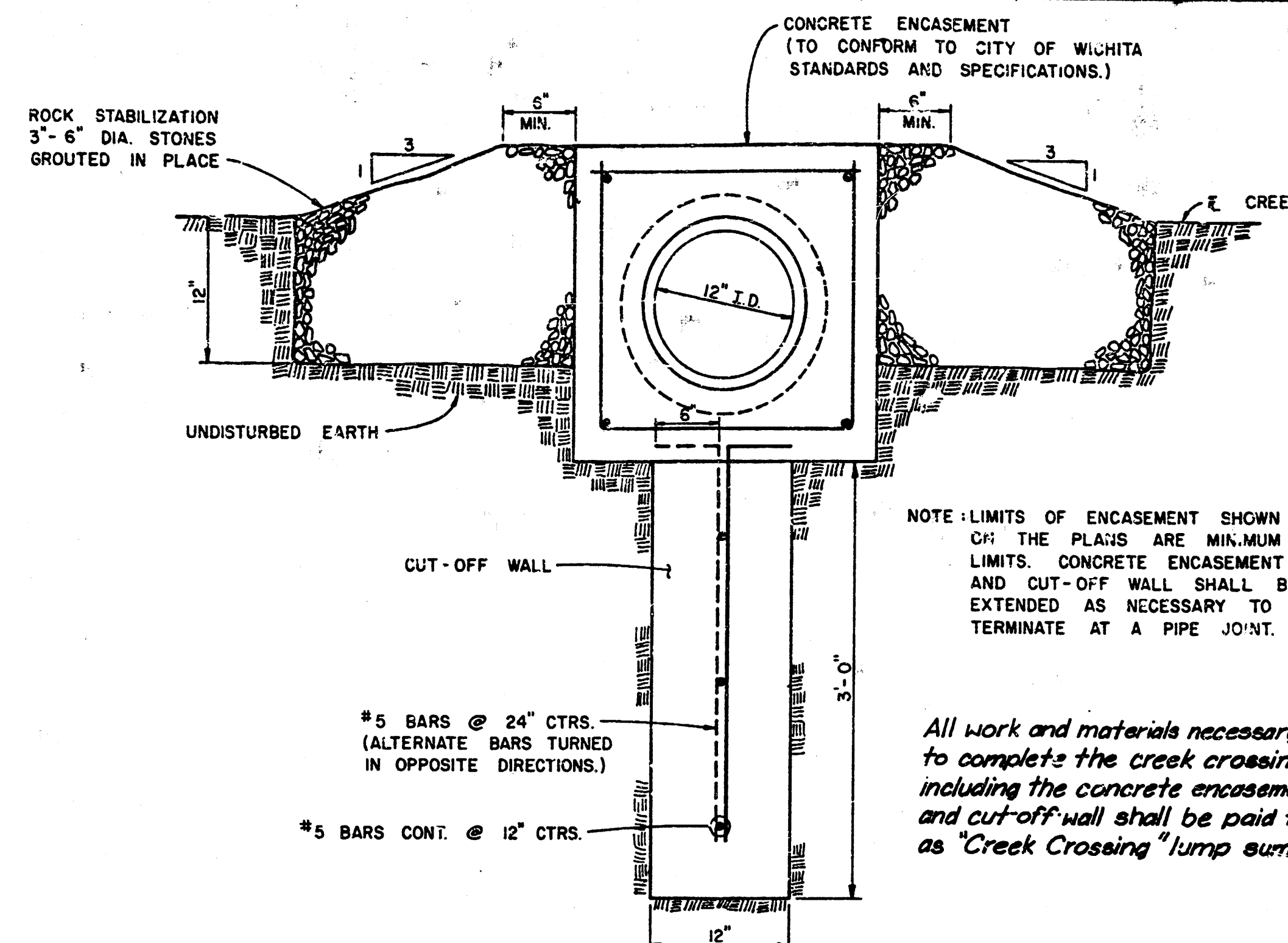
SPECIAL REINFORCED CONCRETE MANHOLE
PLAN VIEW 1/2" = 1'-0"

BASELINE P.I. REFERENCE TIES

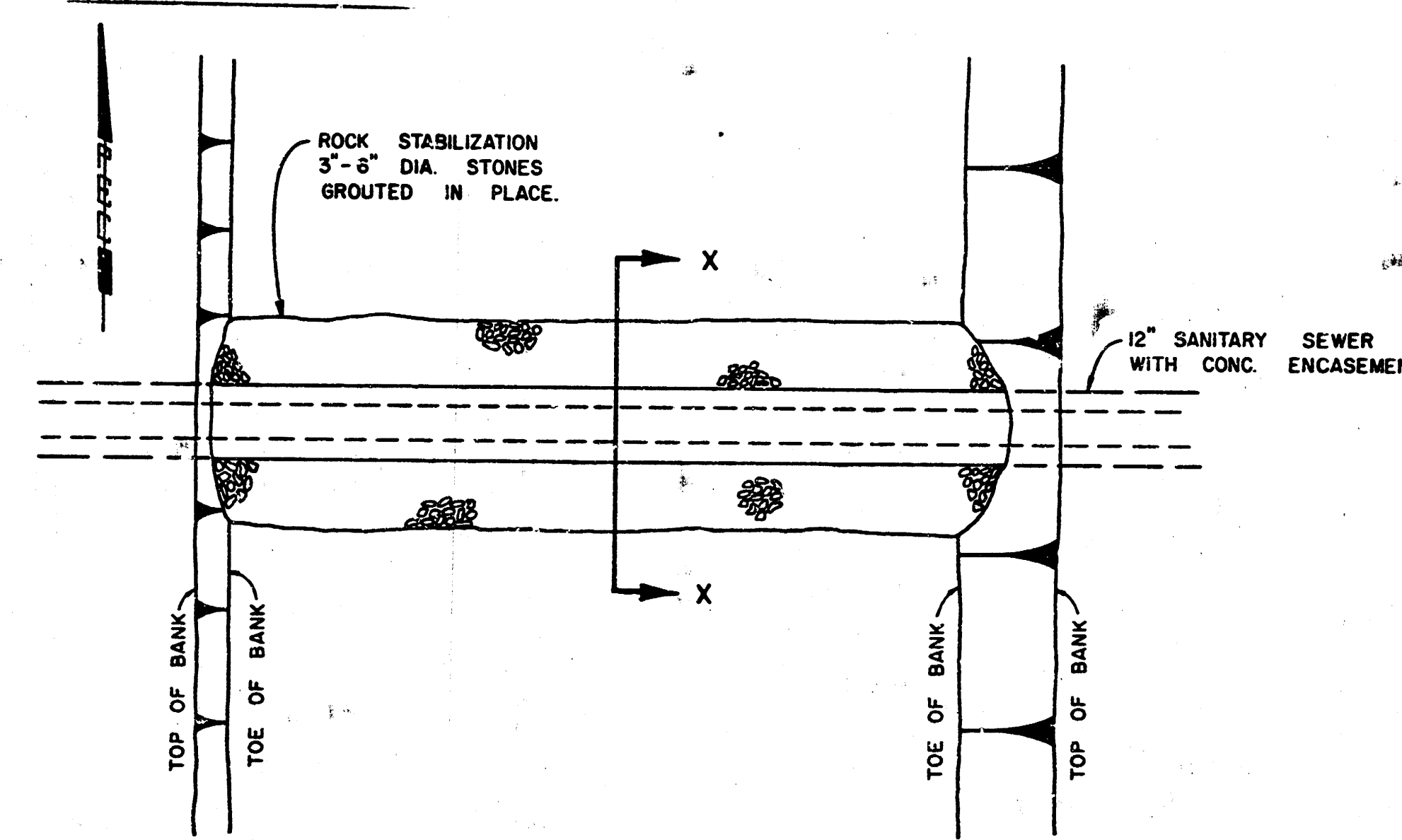
- P.I. NO. 1 - CENTER OF EXISTING NE;
15.28' E, NAIL AND SHINER IN NORTH FACE 12" ELM
55.32' E, NAIL IN CENTER OF EXISTING MANHOLE COVER
11.71' SSW, NAIL AND SHINER IN NORTHWEST FACE 36" OSAGE ORANGE
- P.I. NO. 2 - 1/2" PINCHED PIPE
29.16' N, NAIL AND SHINER IN WEST FACE 42" COTTONWOOD
0.70' S, TO WOOD FENCE
108.71' W, NAIL IN CENTER OF EXISTING MANHOLE COVER
- P.I. NO. 3 - 1/2" REBAR
36.18' SSW, NAIL AND SHINER IN WEST FACE 6" ELM
- P.I. NO. 4 - 1/2" REBAR
7.00' NE, CENTER OF 1" COTTONWOOD
- P.I. NO. 5 - 1/2" REBAR
19.35' SW, NAIL AND SHINER IN SOUTHEAST FACE 6" ELM
20.39' NW, NAIL AND SHINER IN NORTHEAST FACE 12" COTTONWOOD
9.28' E, NAIL AND SHINER IN SOUTH FACE 22" MULBERRY
- P.I. NO. 6 - 1/2" REBAR (IN CREEK BOTTOM)
76.98' ESE, NAIL AND SHINER IN NORTH FACE 12" ELM
48.50' SE, NAIL AND SHINER IN WEST FACE 6" ELM
81.75' SW, NAIL AND SHINER IN SOUTHEAST FACE 12" ELM
- P.I. NO. 7 - 1/2" REBAR (ALONG SOUTH EDGE DIRT ROAD)
11.81' SW, NAIL AND SHINER IN NORTHWEST FACE 6" MULBERRY
39.65' SE, NAIL AND SHINER IN NORTHEAST FACE 7" MULBERRY
97.52' WSW, NAIL AND SHINER IN NORTH FACE 12" ELM
- P.I. NO. 8 - 1/2" REBAR
28.50' NE, 2-1/2" ELM TREES
131.77' W, NAIL AND SHINER IN NORTH FACE 17" ELM
31.00' N, CENTER 4' TALL SAPLING
- P.I. NO. 9 - 1/2" REBAR
26.08' SSE, NAIL AND SHINER IN WEST FACE 10" ELM
23.33' SSW, NAIL AND SHINER IN WEST FACE 6" MULBERRY
- P.I. NO. 10 - 1/2" REBAR
103.35' N, NAIL AND SHINER IN WEST FACE 3" LOCUST
- P.I. NO. 11 - 1/2" REBAR
46.00' W, 2" ELM TREE
72.45' NW, NOTCH IN TOP OF "NO TRESPASSING - KEEP OUT" SIGN
148.46' NE, NAIL AND SHINER IN WEST FACE 6" COTTONWOOD
- P.I. NO. 12 - 1/2" REBAR
72.39' SE, NAIL AND SHINER IN SOUTHWEST FACE 14" ELM
19.65' ENE, 3/4" I.P. - SOUTHEAST CORNER P.H.I. ADDITION
53.11' N, 40' NAIL AND SHINER IN EAST FACE 24" WILLOW
- P.I. NO. 13 - 1/2" REBAR
80' ENE, 2" ELM TREE
194' SE, 18" OSAGE ORANGE

SPECIAL REINFORCED CONCRETE MANHOLE NOTES

- IF, IN THE OPINION OF THE ENGINEER, THE MANHOLE SUBGRADE APPEARS UNSTABLE, THE CONTRACTOR WILL HAVE THE OPTION TO COMPACT SUBGRADE PER THE SPECIFICATIONS OR INCREASE THE THICKNESS OF THE MANHOLE BASE AS DIRECTED BY THE ENGINEER.
- MORTAR USED IN MASONRY CONSTRUCTION SHALL BE 8-SACK SAND MIX AS DEFINED IN THE SPECIFICATIONS.
- WHEN OPENINGS ARE CUT IN MANHOLE WALLS FOR PIPE, THE PIPE SHALL BE GROUTED IN PLACE WITH NON-SHRINKING GROUT. EXTERIOR OF COMPLETED CONNECTION SHALL BE SEALED WITH APPROVED COATINGS.
- ALL MANHOLE CONSTRUCTION SHALL BE WATER TIGHT.
- APPROVED FLEXIBLE WATERSTOP GASKETS SHALL BE INSTALLED TO JOIN THE PIPE TO THE MANHOLE WALL WHEN A.B.S. COMPOSITE PIPE OR P.V.C. PIPE IS USED. ALL SEWERS EXTENDING FROM THE MANHOLE SHALL BE SUPPORTED WITH CONCRETE ENCASEMENT A MINIMUM OF 5 FEET FROM THE MANHOLE WALL.
- CONCRETE FOR THE MANHOLE BASE SHALL BE CITY CONCRETE PAVEMENT MIX AS DESCRIBED IN THE SPECIFICATIONS.



CREEK CROSSING & CONC. ENCASE. W/ CUT-OFF WALL
SECTION X-X



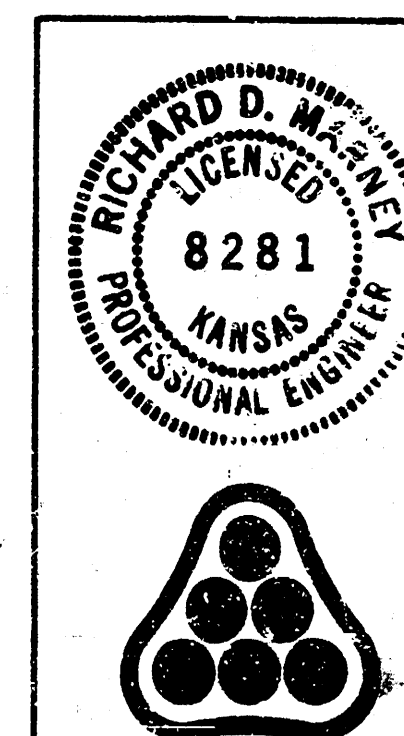
CREEK CROSSING & CONC. ENCASEMENT
WITH CUT-OFF WALL
PLAN VIEW

BASELINE DATA			
P.I. NO.	STATION	NORTH	EAST
1	0+00.00	1,540.4102	1,623.5465
2	1+92.21	1,663.0580	1,771.5405
3	3+55.92	1,668.6845	1,935.1552
4	6+76.77	1,385.0763	2,085.1951
5	7+87.19	1,423.2016	2,188.8241
6	8+62.72	1,349.2483	2,204.1896
7	9+69.28	1,250.3744	2,243.9353
8	11+38.99	1,303.7507	2,405.0337
9	14+29.53	1,342.0685	2,693.0575
10	17+68.67	1,578.5011	2,936.1724
11	19+71.05	1,554.7998	3,137.1626
12	21+75.91	1,677.8757	3,300.9272
13	27+10.05	1,658.2495	3,834.7024
14	30+89.23	1,279.9448	3,860.4290

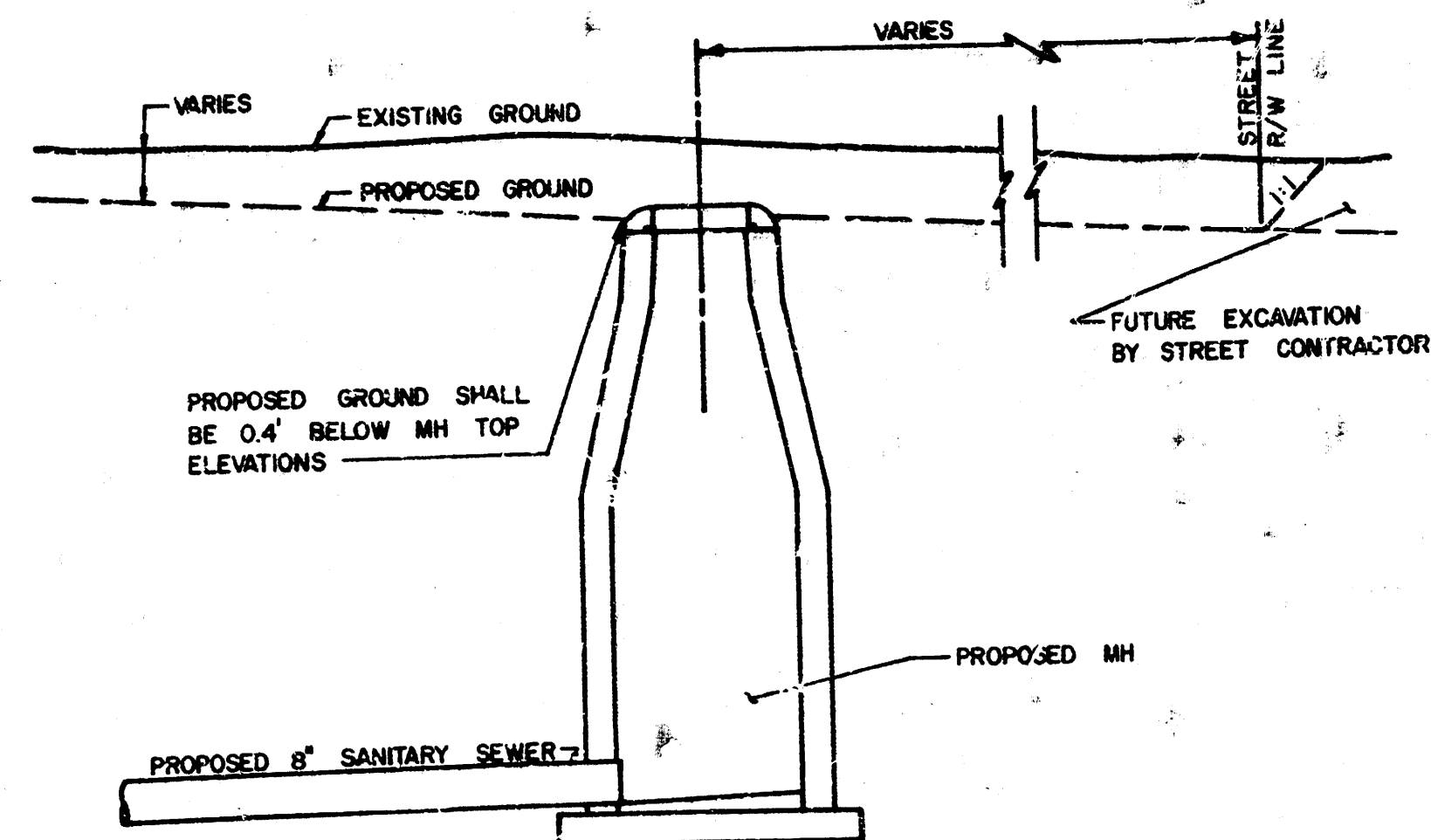
NOTE: NORTHEAST CORNER OF THE SOUTHEAST QUARTER OF SECTION 20, T27S, R2E, OF THE 6th P.M. = 2,993.4973 N, 4,426.5212 E

GENERAL NOTES

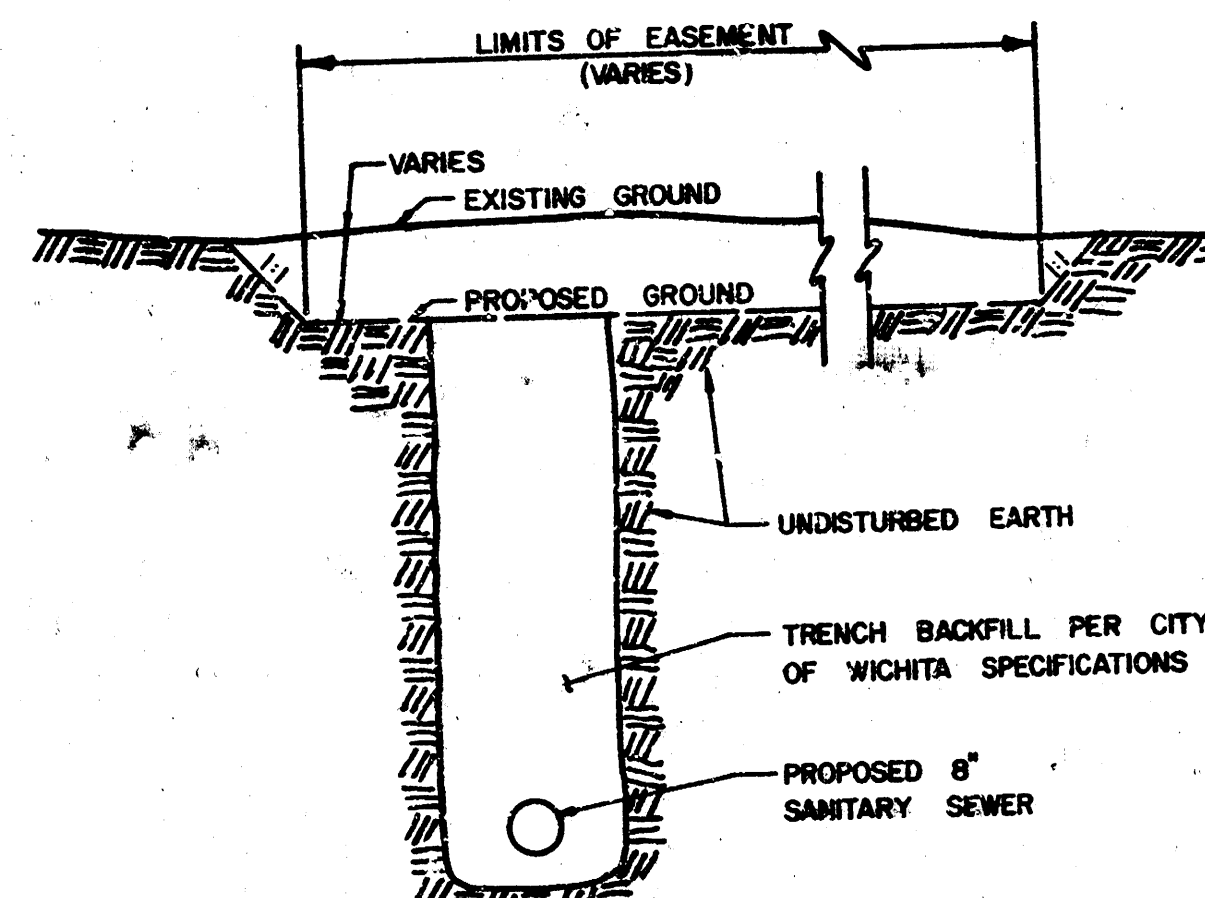
- ALL CONSTRUCTION AND MATERIALS TO COMPLY WITH CITY OF WICHITA SPECIFICATIONS AND STANDARDS.
- ALL ELEVATIONS SHOWN ARE CITY OF WICHITA DATUM (USGS-1187.4-CITY DATUM).
- THE CONTRACTOR SHALL LIMIT THE EXTENT OF TRENCH TO REMAIN OPEN OVERNIGHTS AND WEEKENDS TO LESS THAN 50 FEET.
- AT LEAST 24 HOURS PRIOR TO BEGINNING EXCAVATION (EXCLUDING WEEKENDS AND HOLIDAYS), THE CONTRACTOR SHALL CONTACT THE UTILITY LOCATION SERVICE "KAM-IT-DIG-IT" AT (316) 267-2881 TO REQUEST THE FOLLOWING UTILITY COMPANIES TO LOCATE ANY EXISTING LINES WITHIN THE PROJECT AREA: GAS SERVICE COMPANY, K.G.B.E., SOUTHWESTERN BELL TELEPHONE COMPANY, THE WICHITA WATER DEPARTMENT, AND AIR CAPITAL CABLEVISION. THE CONTRACTOR SHALL ALSO CALL THE UTILITY LISTED BELOW AT LEAST 48 HOURS PRIOR TO BEGINNING EXCAVATING (EXCLUDING WEEKENDS AND HOLIDAYS) TO REQUEST LOCATION OF EXISTING UTILITIES WITHIN THE PROJECT AREA.
NORTHWEST CENTRAL PIPELINE CORPORATION
4002 S. SENCA
WICHITA, KANSAS 67217
(316) 524-0491
MR. AUBREY SUMMERS
- THE CONTRACTOR SHALL AVOID REMOVAL OR TRIMMING OF ANY TREES WHERE POSSIBLE WHERE THE CONTRACTOR BELIEVES THE REMOVAL OR TRIMMING IS UNAVOIDABLE, HE SHALL COORDINATE SUCH WORK WITH THE ENGINEER.
- TREE REMOVAL AND TREE TRIMMING SHALL BE DONE BY THE CONTRACTOR UNDER THE SUPERVISION OF THE ENGINEER AND SHALL BE CONSIDERED AS SUBSIDIARY TO OTHER ITEMS OF WORK.
- WHERE REMOVAL OF EXISTING FENCES PARALLEL TO THE CONSTRUCTION IS DEEMED NECESSARY BY THE CONTRACTOR, THE CONTRACTOR SHALL COORDINATE REMOVAL WITH THE ENGINEER. REMOVAL AND RESETTING OF FENCES SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS SUBSIDIARY TO THE OTHER ITEMS OF WORK.
- TREES REMOVED, TREE TRIMMINGS, FENCES, AND OTHER DEBRIS SHALL BE HAULED FROM THE SITE BY THE CONTRACTOR AND WASTED AS DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL RESTORE ALL DITCHES, SWALES, ROAD SHOULDERS, ENTRANCES, AND BANK LINES TO THEIR ORIGINAL SLOPES AND GRADES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CONTINUOUS FLOW OF SEWAGE, THROUGH CONSTRUCTION. CONTRACTOR'S PROPOSED METHOD FOR MAINTAINING SEWAGE FLOW SHALL BE APPROVED BY THE ENGINEER. CONTRACTOR MAY CONSTRUCT ADDITIONAL MANHOLES TO FACILITATE MAINTAINING SEWAGE FLOW. TYPE AND LOCATION OF EXTRA MANHOLES TO FACILITATE HANDLING OF SEWAGE THROUGH CONSTRUCTION WILL NOT BE PAID FOR DIRECTLY AND THIS COST SHALL BE CONSIDERED AS SUBSIDIARY TO THE OTHER ITEMS OF WORK. NO PAYMENT WILL BE MADE FOR EXTRA MANHOLES CONSTRUCTED BY THE CONTRACTOR TO FACILITATE HANDLING SEWAGE THROUGH CONSTRUCTION AS THIS COST SHALL BE CONSIDERED AS SUBSIDIARY TO THE OTHER ITEMS OF WORK.
- 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. ALL COSTS FOR THIS WORK SHALL BE SUBSIDIARY TO THE OTHER ITEMS OF WORK.
- RISERS AND ADDITIONAL STUBS SHALL BE INSTALLED ON THIS PROJECT TO SERVE INDIVIDUAL LOTS WHEN ORDERED BY THE FIELD ENGINEER. RISER CONSTRUCTION SHALL CONFORM TO CITY OF WICHITA SPECIFICATIONS AND STANDARDS. LOCATIONS OF THE ENDS OF THE RISERS SHALL BE MARKED BY FASTENING GREEN COLORED PLASTIC TAPE TO THE END OF THE RISER AND BROUGHT TO THE GROUND SURFACE AS THE EXCAVATION IS BACKFILLED SUCH THAT THE COLORED TAPE WILL BE VISIBLE WHEN THE PROJECT IS COMPLETED. ALL RISERS SHALL BE CONSTRUCTED USING S.D.R. 23.5 A.B.S. OR P.V.C. PIPE.
- THE CONTRACTOR SHALL DISPOSE OF ALL EXCESS EXCAVATED SOIL ON SITE AS DIRECTED BY THE ENGINEER.



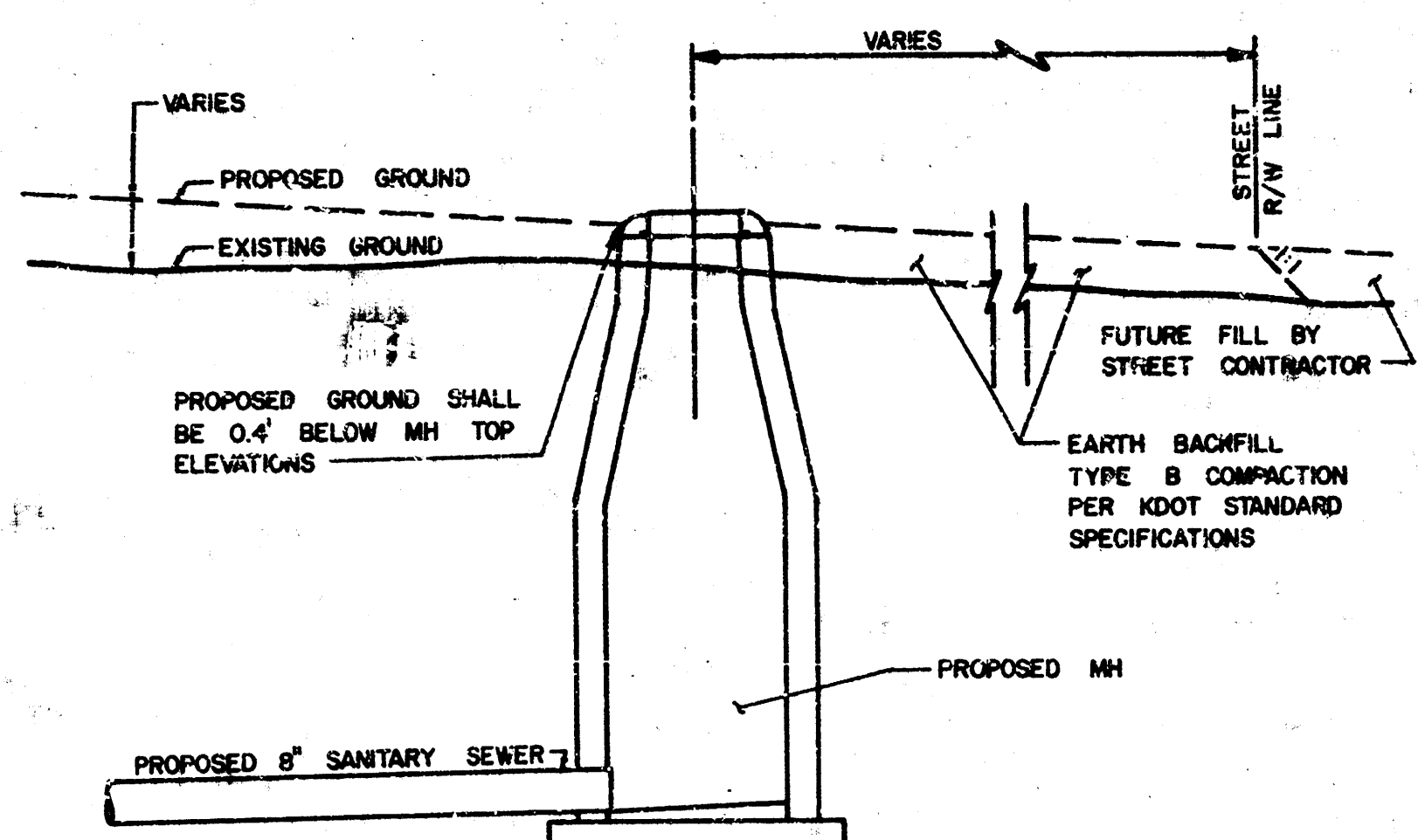
No.	Revision	By	Date
SANITARY SEWER IMPROVEMENTS MAXWELL ADDITION AND MAXWELL 2ND ADDITION			
GENERAL NOTES AND DETAILS			
THE CITY OF WICHITA LATERAL 15, MAIN 15, WAR INDUSTRIES SEWER			
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.			
ENGINEERS WICHITA, KANSAS			
Designed by	RDM	Job No.	34-1844-3
Drawn by	G/M	Date	Sept. 1992
			Sht. 2 of 8



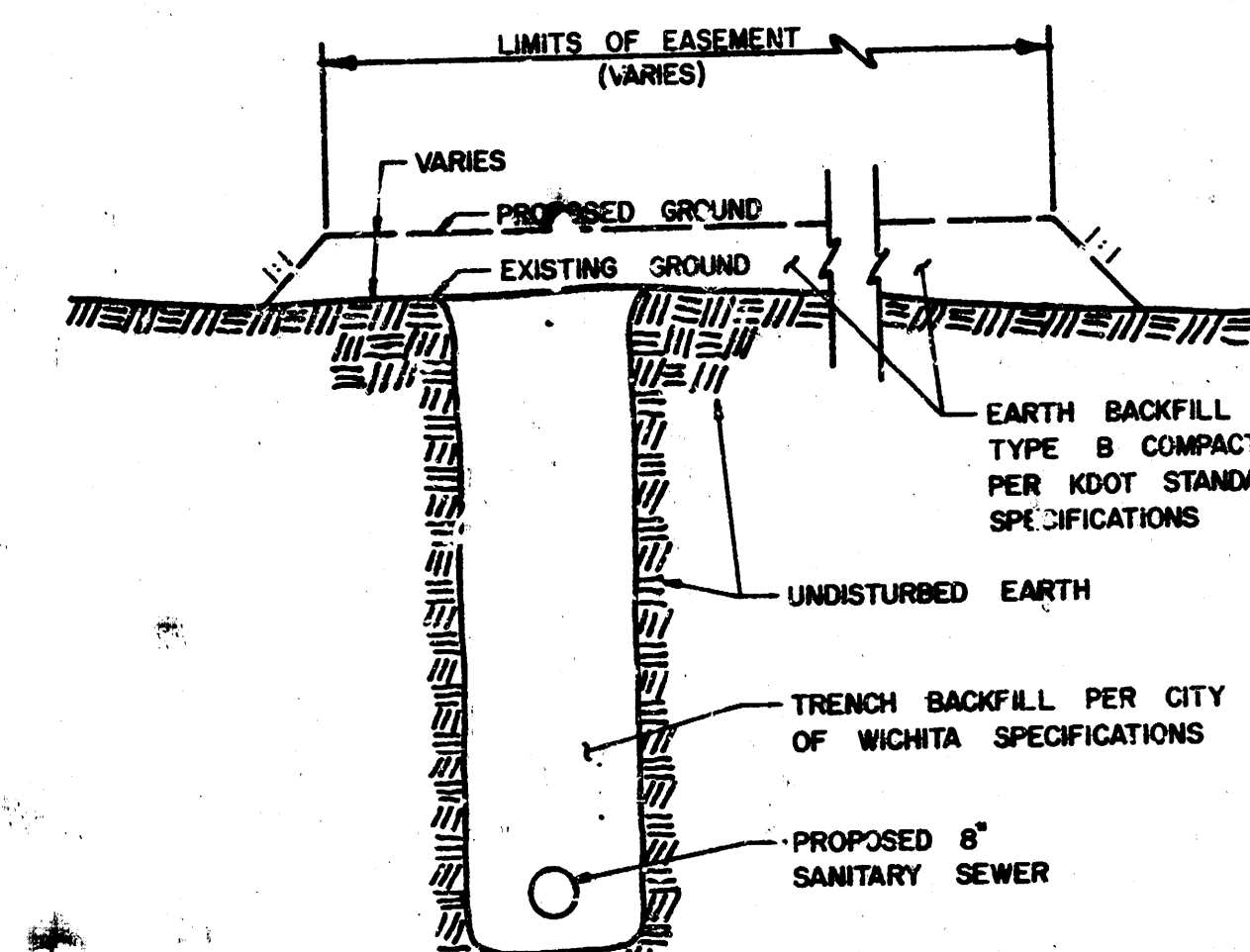
TYPICAL PROFILE
"CUT" SITUATIONS



TYPICAL SECTION

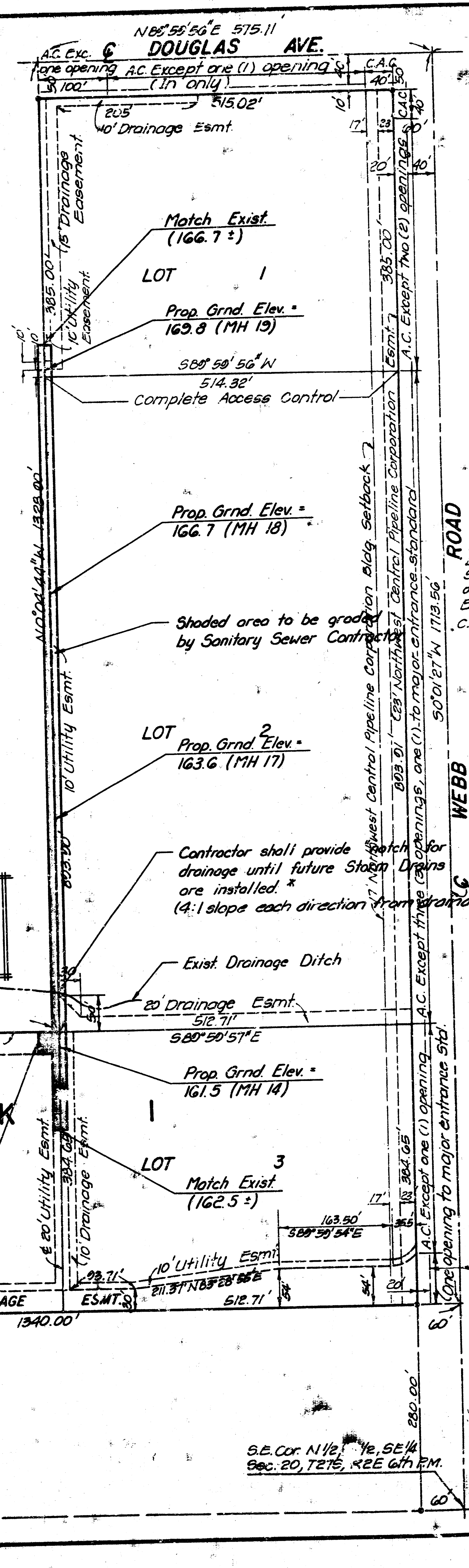
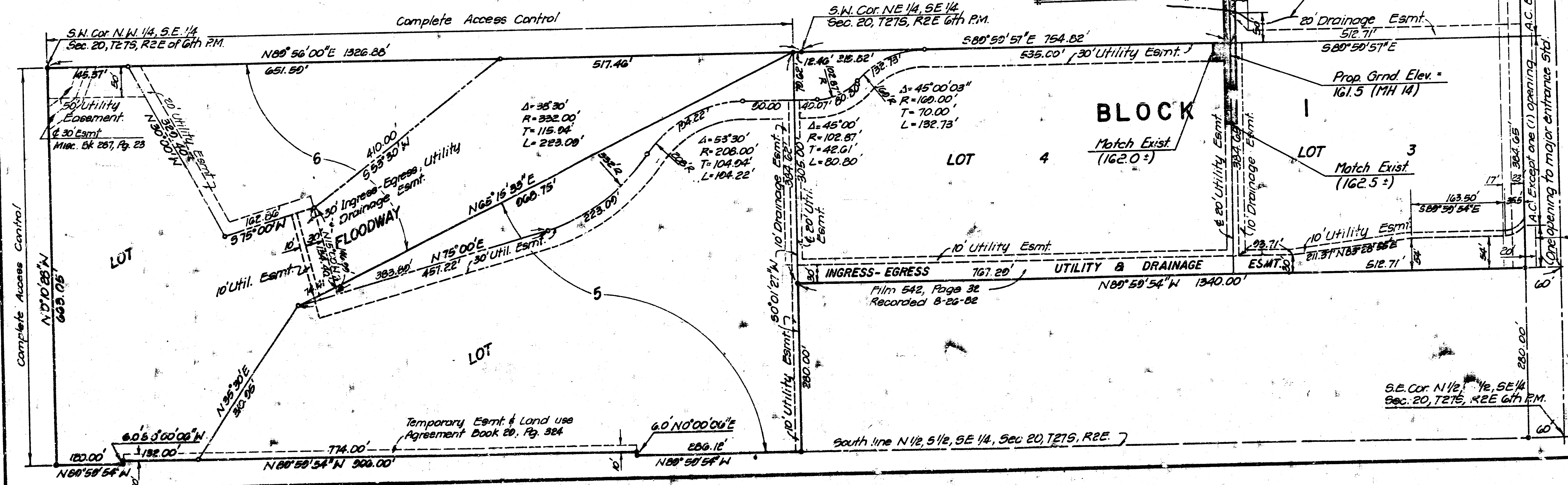


TYPICAL PROFILE
"FILL" SITUATIONS



TYPICAL SECTION

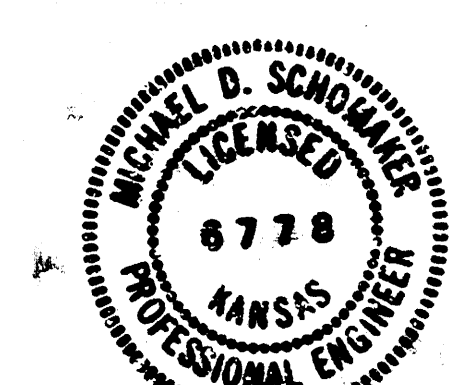
Costs incurred for "Easement Grading" shall be considered subsidiary to the other items of work.



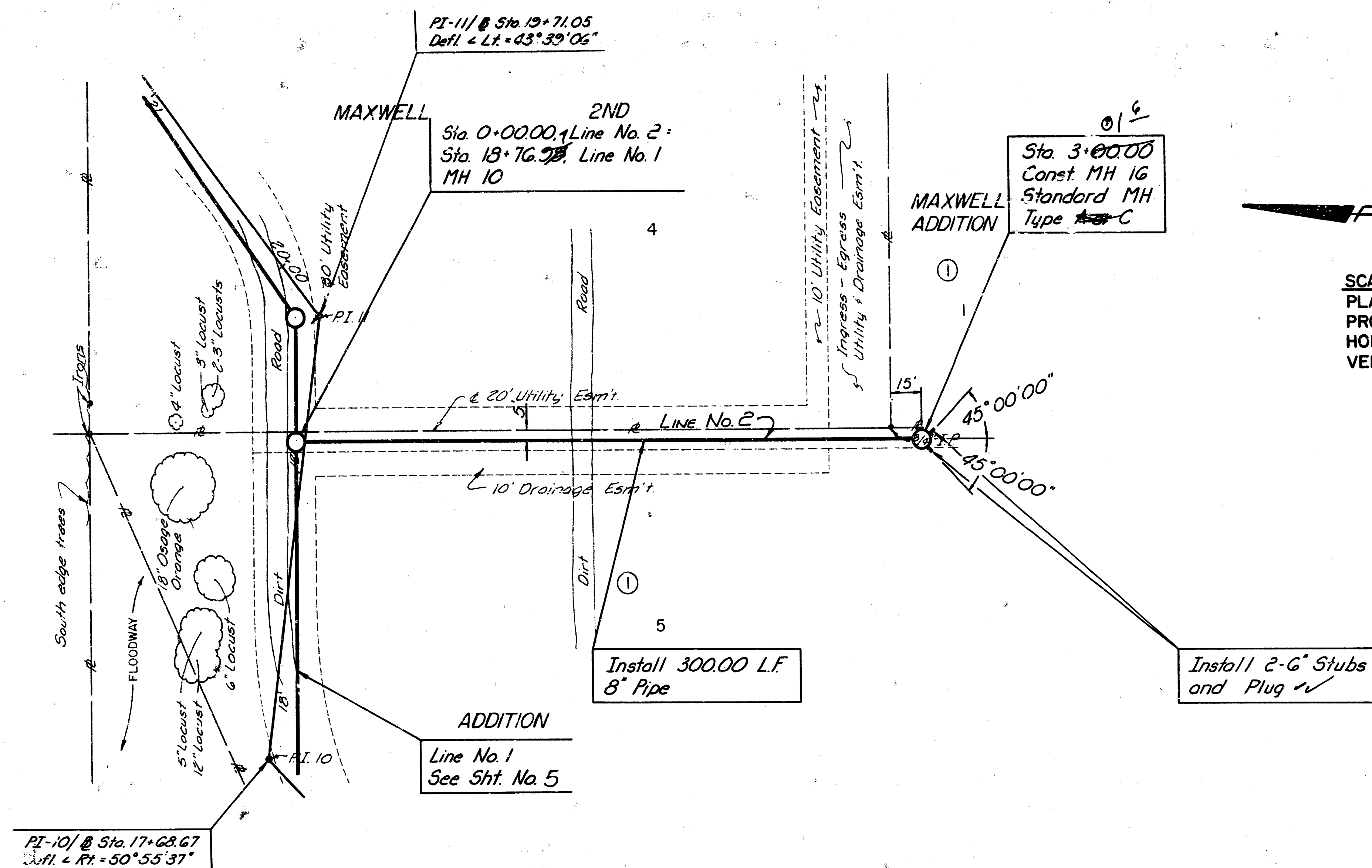
Scale 1" = 100'
• = Iron set
Aug. 1982
B.M. City of Wichita
3 M. disc, 73.4 feet
South & 31 feet East
of Webb & Kellogg
El. = 179.16 City Datum
C.A.C. = Complete Access Control

Note: Areas within the plot site not shown graded at this time shall be graded later by others.

* Storm Drain Contractor will be responsible for regrading "notch" after Storm Drain installation.

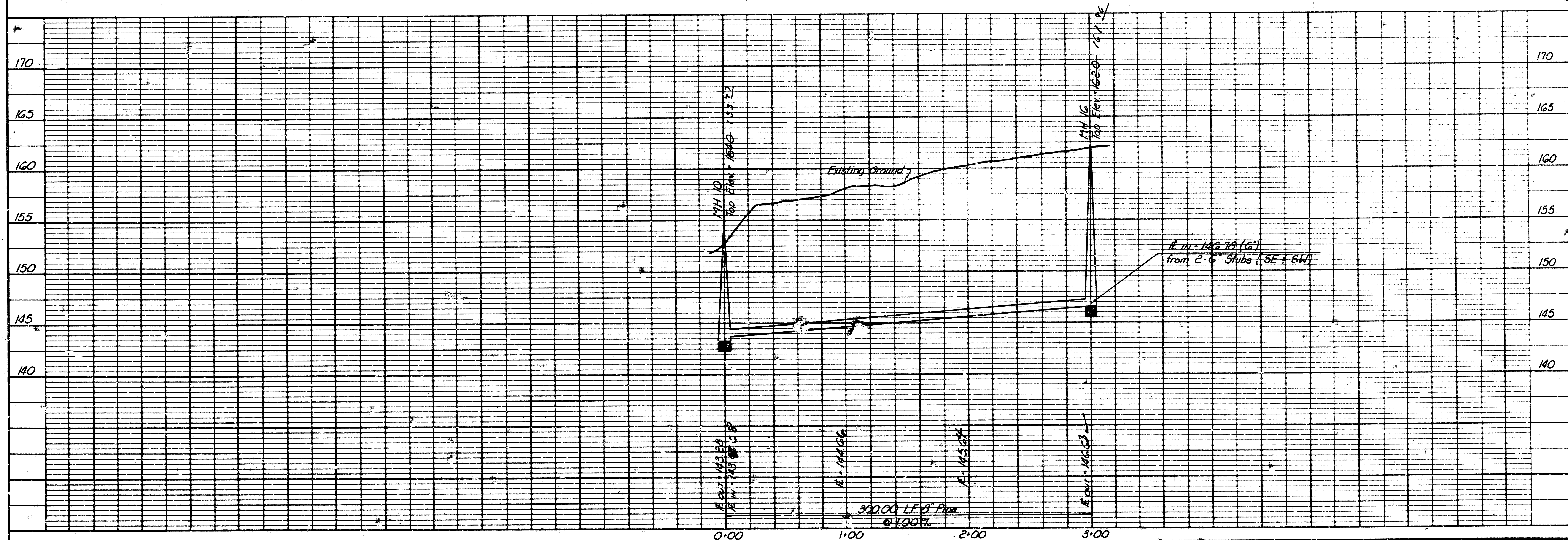
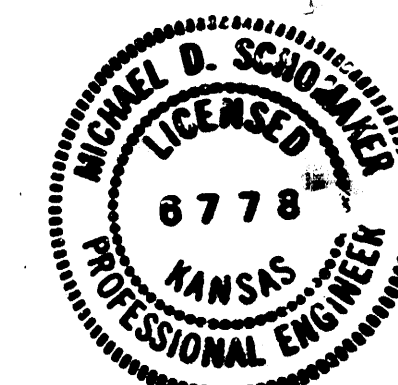


No.	Revision	By	Date
1	Sanitary Sewer Improvements Maxwell Addition and Maxwell 2nd Addition		
EASEMENT GRADING			
THE CITY OF WICHITA LATERAL 15, MAIN 13, WAR INDUSTRIES SEWER			
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.			
ENGINEERS WICHITA, KANSAS			
Designed by R.W.L., M.D.S.	Job No. 34-7844-3	Sht. 3 of 8	
Drawn by G.M.	Date Sept. 1982		



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

As Built
J.L.L.
8-8-81



170		170
165		165
160		160
155		155
150		150
145		145
140		140
0+00		3+00
100		100
200		200
300		300
400		400
500		500
600		600
700		700
800		800
900		900
1000		1000
1100		1100
1200		1200
1300		1300
1400		1400
1500		1500
1600		1600
1700		1700
1800		1800
1900		1900
2000		2000
2100		2100
2200		2200
2300		2300
2400		2400
2500		2500
2600		2600
2700		2700
2800		2800
2900		2900
3000		3000
3100		3100
3200		3200
3300		3300
3400		3400
3500		3500
3600		3600
3700		3700
3800		3800
3900		3900
4000		4000
4100		4100
4200		4200
4300		4300
4400		4400
4500		4500
4600		4600
4700		4700
4800		4800
4900		4900
5000		5000
5100		5100
5200		5200
5300		5300
5400		5400
5500		5500
5600		5600
5700		5700
5800		5800
5900		5900
6000		6000
6100		6100
6200		6200
6300		6300
6400		6400
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6600		6600
6700		6700
6800		6800
6900		6900
7000		7000
7100		7100
7200		7200
7300		7300
7400		7400
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7800		7800
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8000		8000
8100		8100
8200		8200
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9100		9100
9200		9200
9300		9300
9400		9400
9500		9500
9600		9600
9700		9700
9800		9800
9900		9900
10000		10000

