CONSTRUCTION PLANS FOR

LATERAL 15, MAIN 13, WAR INDUSTRIES SEWER

TO SERVE

MAXWELL ADDITION AND MAXWELL 2ND ADDITION

As Built
J.L
8-84

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
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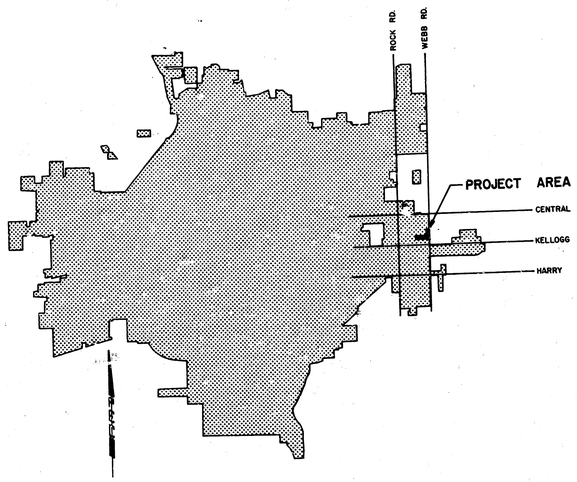
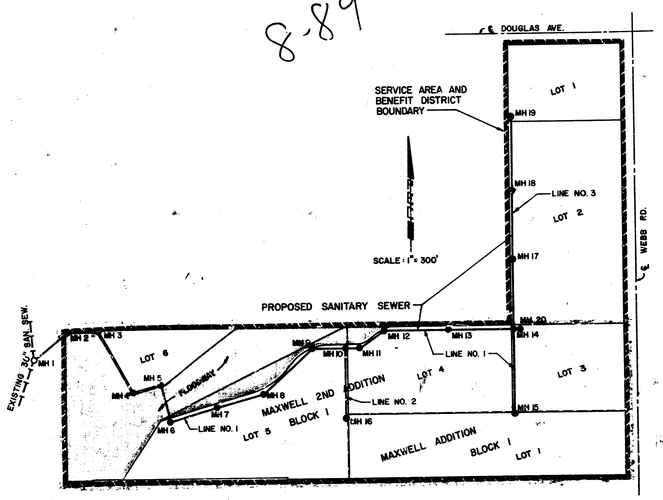


LOCATION MAP



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

RICHARD D. MARNEY LICENSED 8281 KANSAS PROFESSIONAL ENGINEER

MICHAEL D. SCHWEIKER LICENSED 6778 KANSAS PROFESSIONAL ENGINEER

1/8

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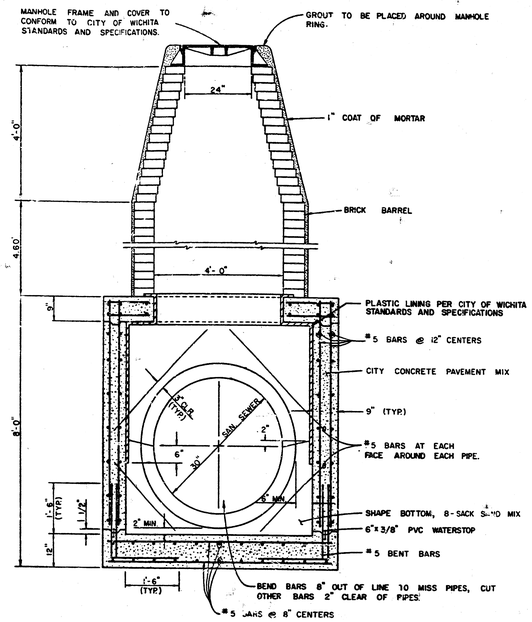
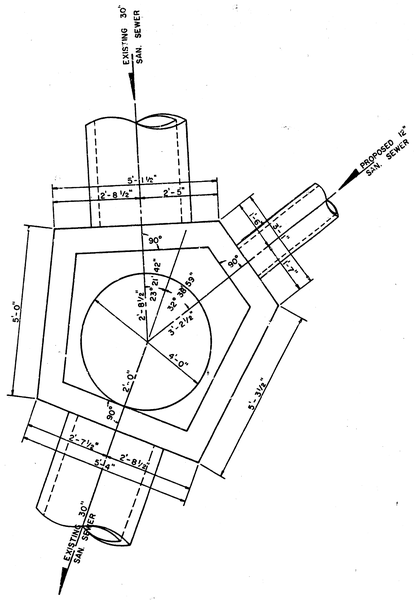
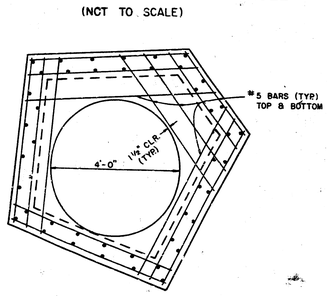


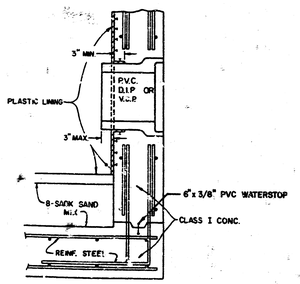
SECTION "X"
REINFORCED CONCRETE MANHOLE
(NOT TO SCALE)



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



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



PIPE CONNECTION DETAIL
(NOT TO SCALE)

SPECIAL REINFORCED CONCRETE MANHOLE NOTES

1. 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.
2. MORTAR USED IN MASONRY CONSTRUCTION SHALL BE 8-SACK SAND MIX AS DEFINED IN THE SPECIFICATIONS.
3. 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.
4. ALL MANHOLE CONSTRUCTION SHALL BE WATER TIGHT.
5. 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 SEAMS EXTENDING FROM THE MANHOLE SHALL BE SUPPORTED WITH CONCRETE ENCASEMENT A MINIMUM OF 5 FEET FROM THE MANHOLE WALL.
6. CONCRETE FOR THE MANHOLE BASE SHALL BE CITY CONCRETE PAVEMENT MIX AS DESCRIBED IN THE SPECIFICATIONS.

BASELINE P.I. REFERENCE TIES

P.I. NO. 1 - CENTER OF EXISTING MH

P.I. NO. 2 - 1/2" PINCHED PIPE
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. 3 - 1/2" REBAR
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. 4 - 1/2" REBAR
36.18' SSW, NAIL AND SHINER IN WEST FACE 6" ELM

P.I. NO. 5 - 1/2" REBAR
7.00' NE, CENTER OF 1" COTTONWOOD

P.I. NO. 6 - 1/2" REBAR (IN CREEK BOTTOM)
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. 7 - 1/2" REBAR (10' NORTH OF DIRT ROAD)
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. 8 - 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. 9 - 1/2" REBAR
24.50' NE, 2-1" ELM TREES
131.77' W, NAIL AND SHINER IN NORTH FACE 17" ELM
31.00' N, CENTER 4' TALL SAPLING

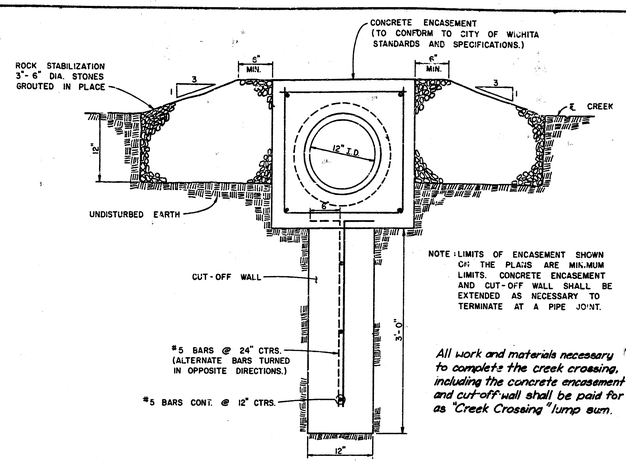
P.I. NO. 10 - 1/2" REBAR
26.08' SSE, NAIL AND SHINER IN WEST FACE 10" ELM
23.33' SSW, NAIL AND SHINER IN WEST FACE 6" MULBERRY

P.I. NO. 11 - 1/2" REBAR
103.35' N, NAIL AND SHINER IN WEST FACE 3" LOCUST

P.I. NO. 12 - 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

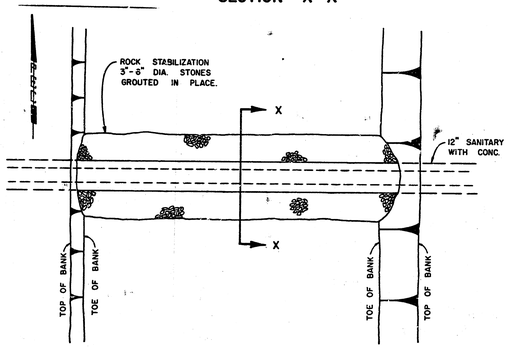
P.I. NO. 13 - 1/2" REBAR
72.39' SE, NAIL AND SHINER IN SOUTHWEST FACE 14" ELM
19.65' ENE, 3/4" I.P. = SOUTHEAST CORNER P.H.I. ADDITION
53.11' N, 40d NAIL AND SHINER IN EAST FACE 24" WILLOW

P.I. NO. 14 - 1/2" REBAR
80' ENE, 2" ELM TREE
194' SE, 18" OSAGE ORANGE



All work and materials necessary to complete the creek crossing, including the concrete encasement and cut-off wall shall be paid for as "Creek Crossing" lump sum.

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.	BASELINE STATION	COORDINATES 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

1. ALL CONSTRUCTION AND MATERIALS TO COMPLY WITH CITY OF WICHITA SPECIFICATIONS AND STANDARDS.
2. ALL ELEVATIONS SHOWN ARE CITY OF WICHITA DATUM (USGS-1187.4=CITY DATUM).
3. THE CONTRACTOR SHALL LIMIT THE EXTENT OF TRENCH TO REMAIN OPEN OVERNIGHTS AND WEEKENDS TO LESS THAN 50 FEET.
4. AT LEAST 24 HOURS PRIOR TO BEGINNING EXCAVATION (EXCLUDING WEEKENDS AND HOLIDAYS). THE CONTRACTOR SHALL CONTACT THE UTILITY LOCATION SERVICE "KAN-U-DIG-IT" AT (316) 267-2889 TO REQUEST THE FOLLOWING UTILITY COMPANIES TO LOCATE ANY EXISTING LINES WITHIN THE PROJECT AREA: GAS SERVICE COMPANY, K.G.&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

5. 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.
6. 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.
7. 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.
8. 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.
9. THE CONTRACTOR SHALL RESTORE ALL DITCHES, SWALES, ROAD SHOULDERS, ENTRANCES, AND BANK LINES TO THEIR ORIGINAL SLOPES AND GRADES.
10. 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 SHALL BE AS APPROVED BY THE ENGINEER. COST OF MAINTAINING FLOW 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 SUBSIDIARY TO THE OTHER ITEMS OF WORK.
11. 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.
12. RISERS AND ADDITIONAL STUBS SHALL BE INSTALLED ON THIS PROJECT TO SERVE INDIVIDUAL'S 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.
13. THE CONTRACTOR SHALL DISPOSE OF ALL EXCESS EXCAVATED SOIL ON SITE AS DIRECTED BY THE ENGINEER.

RICHARD D. McKINNEY LICENSED 8281 KANSAS PROFESSIONAL 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 13, WAR INDUSTRIES SEWER

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

Designed by RDM | Job No. 34-78414-3 | Sht. 2 of 8
Drawn by GM | Date Sept. 1982

2/8

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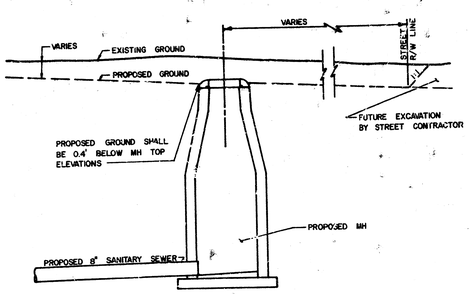
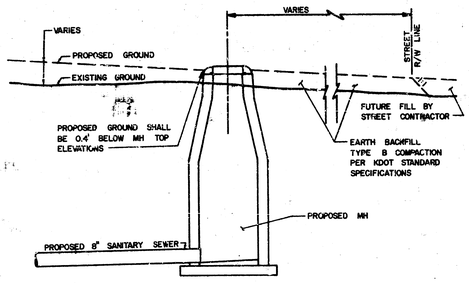


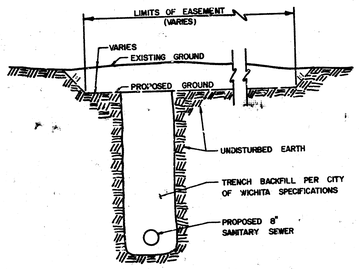
TYPICAL PROFILE

"CUT" SITUATIONS

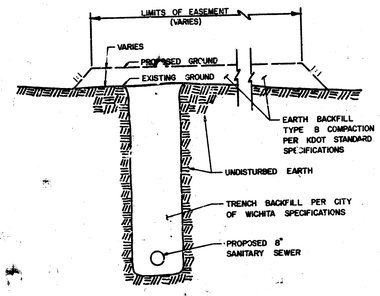


TYPICAL PROFILE

"FILL" SITUATIONS

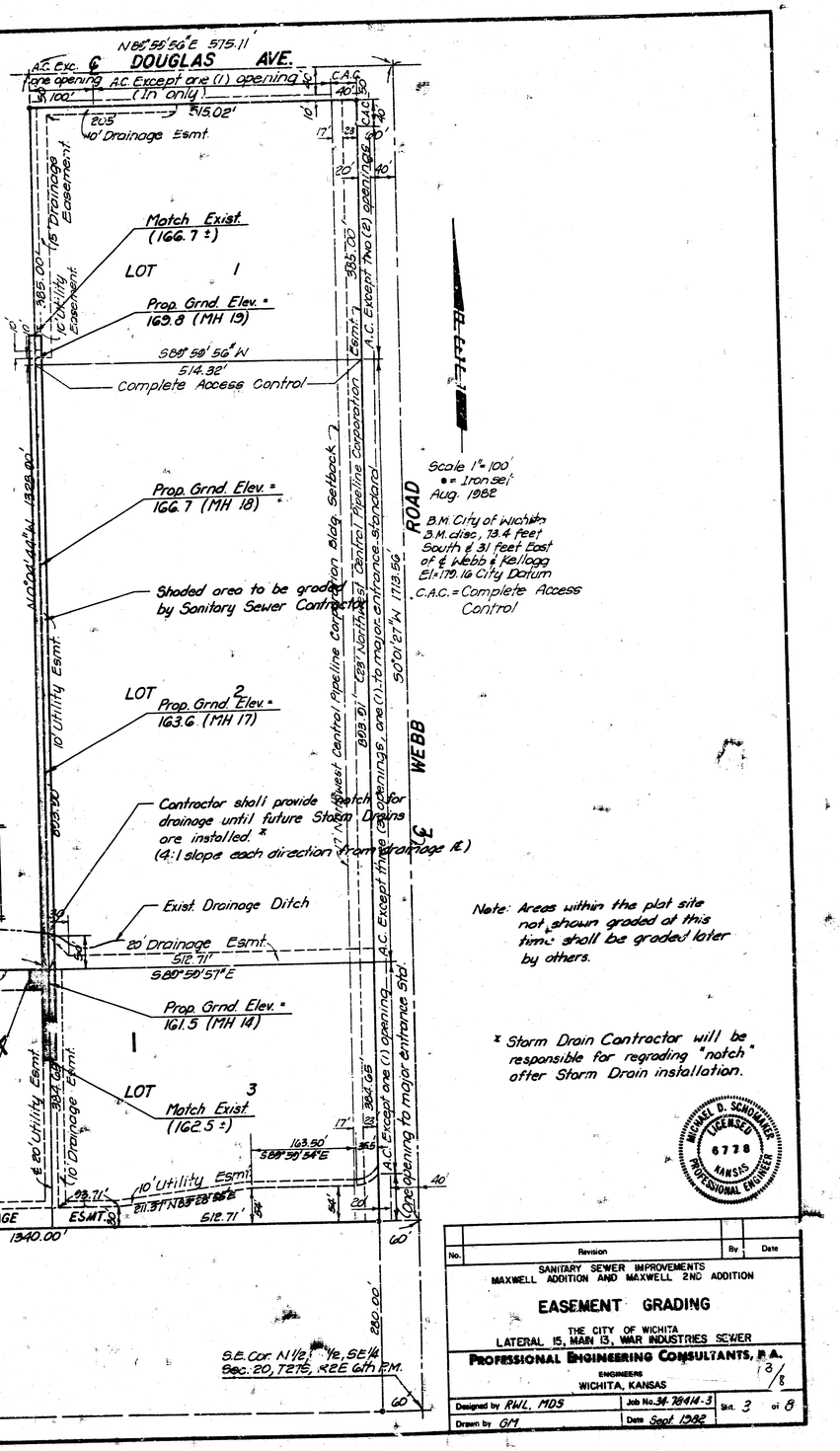


TYPICAL SECTION



TYPICAL SECTION

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


N88°55'56"E 5715.11'
A.C. Exc. one opening
℄ DOUGLAS AVE.
A.C. Except one (1) opening (In only)
C.A.C.
100'
515.02'
205
40' Drainage Esmt.
Match Exist. (1GG.7 ±)
LOT 1
Prop. Grnd. Elev. = 169.8 (MH 19)
S88°58'56"W 514.32'
Complete Access Control
Prop. Grnd. Elev. = 166.7 (MH 18)
Shaded area to be graded by Sanitary Sewer Contractor
LOT 2
Prop. Grnd. Elev. = 163.6 (MH 17)
Contractor shall provide "notch" for drainage until future Storm Drains are installed. *
(4:1 slope each direction from drainage ℄)
Exist. Drainage Ditch
20' Drainage Esmt.
S12.71'
S80°59'57"E
Prop. Grnd. Elev. = 161.5 (MH 14)
BLOCK I
LOT 3
Match Exist. (1G2.5 ±)
S88°59'54"E
10' Utility Esmt.
INGRESS-EGRESS
167.20'
UTILITY & DRAINAGE ESMT.
Film 542, Page 32
Recorded 8-26-82
N88°59'54"W 1340.00'
S.E. Cor. N1/2, NE1/4, SE1/4 Sec. 20, T27S, R2E 6th P.M.
South line N1/2, S1/2, SE1/4, Sec. 20, T27S, R2E.
WEBB ROAD
Scale 1"=100'
● = Iron set
Aug. 1982
B.M. City of Wichita B.M. disc, 13.4 feet South & 31 feet East of ℄ Webb & Kellogg El.=1179.16 City Datum
C.A.C. = Complete Access Control
Note: Areas within the plat 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.
S.W. Cor. NW1/4, SE1/4 Sec. 20, T27S, R2E of 6th P.M.
N89°56'00"E 1326.88'
651.50'
517.46'
S.W. Cor. NE1/4, SE1/4 Sec. 20, T27S, R2E 6th P.M.
S89°59'57"E 754.82'
535.00'
30' Utility Esmt.
Δ=45°00'03" R=160.00' T=70.00' L=132.73'
Δ=45°00' R=102.87' T=42.61' L=80.80'
Δ=36°30' R=332.00' T=115.94' L=223.09'
Δ=53°30' R=208.00' T=104.04' L=194.22'
LOT 4
Match Exist. (1G2.0 ±)
LOT 5
LOT 6
FLOODWAY
Complete Access Control
N0°10'25"W 669.05'
S75°00'W
N65°15'55"E 1000.75'
N75°00'E 461.22'
383.66'
223.00'
N35°30'E 310.06'
S0°01'21"W 1713.56'
S.E. Cor. N1/2, NE1/4, SE1/4 Sec. 20, T27S, R2E 6th P.M.
N88°58'54"W 900.00'
774.00'
Temporary Esmt. & Land use Agreement Book 29, Pg. 324
S0°06'00"W 132.00'
N0°00'06"E 286.16'
N88°58'54"W
180.00'
S53°30'W 410.00'
N36°30'W 310.00'
10' Utility Esmt.
30' Ingress, Egress, Utility & Drainage Esmt.
10' Util. Esmt.
30' Util. Esmt.
20' Drainage Esmt.
10' Utility Esmt.
S.E. Except one (1) opening to major entrance std.
A.C. Except two (2) openings, one (1) to major entrance standard
Pipeline Corporation Bldg. Setback
Southwest Central Pipeline
East Northwest Central Pipeline
A.C. Except two (2) openings
A.C. Except one (1) opening
A.C. Except three (3) openings
A.C. Except one (1) opening to major entrance std.
A.C. Except one (1) opening
A.C. Except one (1) opening
A.C. Except one (1) opening

Sta. 0+00.00
Remove Existing MH
Const. MH 1
Spec. Reinf. Conc. MH
(See detail, Sht. No. 2)

Sta. 0+90 to Sta. 1+40
Const. Creek Crossing
(See detail, Sht. No. 2)

PI-2/@ Sta. 1+92.21
Defl. ∠ Rt. = 37°40'19"

Sta. 1+93.01
Const. MH 2
Inside Drop MH
Type A-~~C~~-D w/ Rubber
Gasketed Self-Sealing Lid

CAUTION P.H.I.
Existing 18" San. Sewer

Remove and Replace 142 L.F. fence in kind.

Sta. 3+42.02
Const. MH 3
Standard MH
Type A-~~B~~

PI-3/@ Sta. 3+55.02
Defl. ∠ Rt. = 64°05'20"

Sta. 6+~~58.54~~ 57.5
Const. MH 4
Standard MH
Type A-~~B~~

Sta. 7+92.96 91.4
Const. MH 5
Standard MH
Type A-~~B~~

Sta. 9+~~61.35~~ 61.5
Const. MH 6
Standard MH
Type A-~~B~~

PI-5/@ Sta. 7+87.19
Defl. ∠ Rt. = 38°27'40"

P.H.I.

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

BANNIE BRAE

MAXWELL ADDITION

LOCH LOMAND ADDITION

Install 193.01 L.F. 12" D.I.P.

Install 149.01 L.F. 12" Pipe

Install 316.92 L.F. 12" Pipe

Install 171.39 L.F. 12" Pipe and Const. 171.39 L.F. Conc. Encasement

Install 134.02 L.F. 12" Pipe

Install 130.23 L.F. 12" D.I.P.

PI-6/@ Sta. 8+62.16
Defl. ∠ Lt. = 10°09'44"

PI-7/@ Sta. 9+62.28
Defl. ∠ Lt. = 96°25'54"

PI-4/@ Sta. 6+76.77
Defl. ∠ Lt. = 82°19'05"

IDENTICAL POINTS

Baseline 1

Line No. 1

Baseline 2

Line No. 2

Baseline 3

Line No. 3

@ Sta. 0+00.00 on ℄

@ Sta. 1+97.05
5.16' Right

@ Sta. 3+45.58
10.11' Right

@ Sta. 3+45.58
10.11' Right

@ EXT., Sta. 6+77.37
1.64' Right

@ Sta. 7+96.84
23.17' Left

@ Sta. 9+83.24
2.56' Right

FLOODWAY

FLOODWAY

FLOODWAY

As Built J.L.F. 8-84

BM - North Rim Manhole at Approx. ℄ Sta. 2+47.21, ± 5.0' Left
Elev. = 145.71

BM - City of Wichita bench mark disc., top of east end north handrail to R.C.B. just west of Linden on Douglas. El. = 1542.16

Existing Ground

MH 1 Top Elev. 145.74

MH 2 Top Elev. 140.48

MH 3 Top Elev. 140.48

MH 4 Top Elev. 135.90

MH 5 Top Elev. 129.40

MH 6 Top Elev. 150.01

24" Approx. Location Existing 18" San. Sewer

24" Approx. Location Existing 12" San. Sewer

Flow Line 130.23 30° (from N)

50 L.F. Conc. Encasement w/cut-off wall

Compacted Backfill 95% ASTM D-698

171.39 L.F. Conc. Encasement

Compacted Backfill 95% ASTM D-698

153.01 L.F. 18" D.I.P. @ 0.40%

143.01 L.F. 12" Pipe @ 0.20%

316.92 L.F. 12" Pipe @ 0.20%

134.02 L.F. 12" Pipe @ 0.20%

171.39 L.F. 12" D.I. Pipe @ 0.70%

0+00 1+00 2+00 3+00 4+00 5+00 6+00 7+00 8+00 9+00

155 150 145 140 135 130 125

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
ENGINEERS
WICHITA, KANSAS
Job No. 34-78414-3
Date September 1982
Designed by RDM
Drawn by DM

SANITARY SEWER IMPROVEMENTS
MAXWELL ADDITION AND MAXWELL 2ND ADDITION
LINE NO. 1
(MH 1 to MH 6)
THE CITY OF WICHITA
LATERAL 15, MAIN 13, WAR INDUSTRIES SEWER

RICHARD D. MAINNEY
REGISTERED
KANSAS
6231
PROFESSIONAL ENGINEER

Sht. 4 of 8

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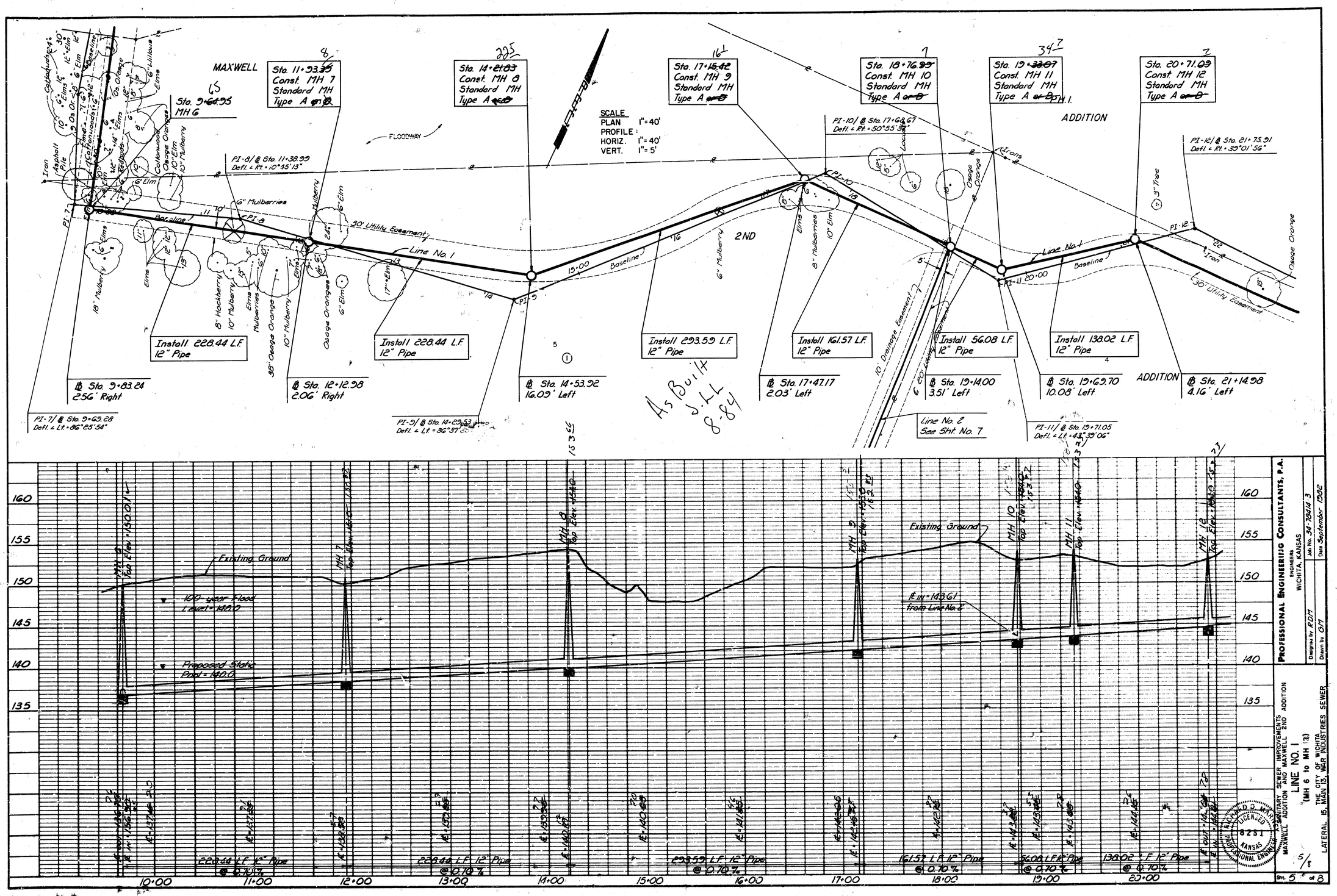


MAXWELL
ADDITION
SCALE
PLAN 1"=40'
PROFILE:
HORIZ. 1"=40'
VERT. 1"=5'
FLOODWAY
Sta. 9+64.95 MH 6
Sta. 11+93.39 Const. MH 7 Standard MH Type A or B
Sta. 14+21.83 Const. MH 8 Standard MH Type A or B
Sta. 17+15.42 Const. MH 9 Standard MH Type A or B
Sta. 18+76.99 Const. MH 10 Standard MH Type A or B
Sta. 19+33.07 Const. MH 11 Standard MH Type A or B
Sta. 20+71.09 Const. MH 12 Standard MH Type A or B
PI-8/ ℄ Sta. 11+38.99 Defl. ∠ Rt. = 10°45'13"
PI-10/ ℄ Sta. 17+68.67 Defl. ∠ Rt. = 50°55'37"
PI-12/ ℄ Sta. 21+75.91 Defl. ∠ Rt. = 39°01'56"
Line No. 1
Baseline
30' Utility Easement
2ND
Install 228.44 L.F. 12" Pipe
Install 228.44 L.F. 12" Pipe
Install 293.59 L.F. 12" Pipe
Install 161.57 L.F. 12" Pipe
Install 56.08 L.F. 12" Pipe
Install 138.02 L.F. 12" Pipe
℄ Sta. 9+83.24 2.56' Right
℄ Sta. 12+12.98 2.06' Right
℄ Sta. 14+53.92 16.09' Left
℄ Sta. 17+47.17 2.03' Left
℄ Sta. 19+14.00 3.51' Left
℄ Sta. 19+69.70 10.08' Left
℄ Sta. 21+14.98 4.16' Left
PI-7/ ℄ Sta. 9+69.28 Defl. ∠ Lt. = 86°25'54"
PI-9/ ℄ Sta. 14+29.53 Defl. ∠ Lt. = 36°37'
PI-11/ ℄ Sta. 19+71.05 Defl. ∠ Lt. = 43°39'06"
Line No. 2 See Sht. No. 7
10' Drainage Easement
As Built J.LL 8-84
Existing Ground
100-year Flood Level = 140.0
Proposed Static Pool = 140.0
℄ IN = 143.61 from Line No. 2
MH 6 Top Elev. = 150.01
MH 7 Top Elev. = 150.0
MH 8 Top Elev. = 154.0
MH 9 Top Elev. = 153.0
MH 10 Top Elev. = 154.0
MH 11 Top Elev. = 154.0
MH 12 Top Elev. = 154.0
228.44 L.F. 12" Pipe @ 0.70%
228.44 L.F. 12" Pipe @ 0.70%
293.59 L.F. 12" Pipe @ 0.70%
161.57 L.F. 12" Pipe @ 0.70%
56.08 L.F. 12" Pipe @ 0.70%
138.02 L.F. 12" Pipe @ 0.70%
10+00
11+00
12+00
13+00
14+00
15+00
16+00
17+00
18+00
19+00
20+00
160
155
150
145
140
135
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
ENGINEERS
WICHITA, KANSAS
Job No. 34-78414-3
Date September 1982
Designed by RDM
Drawn by GM
SANITARY SEWER IMPROVEMENTS
MAXWELL ADDITION AND MAXWELL 2ND ADDITION
LINE NO. 1
(MH 6 to MH 13)
THE CITY OF WICHITA
LATERAL 15, MAIN 13, WAR INDUSTRIES SEWER
RICHARD D. MARTIN LICENSED 8231 KANSAS PROFESSIONAL ENGINEER
5/8
Sht. 5 of 8

Sta. 20+71.69
MH 12

P.H.I.

PI-12 / @ Sta. 21+75.91
Defl. ∠ Rt. = 39°01'56"

3" Trees

Osage Oranges

PI-12

Baseline

23

22

Iron

Line No. 1

8"

10" Elm

ADDITION

Sta. 23+75.34
Const. MH 13
Standard MH
Type A ~~or B~~

Sta. 26+79.59
Const. MH 14
Standard MH
Type A ~~or B~~

PI-13 / @ Sta. 27+10.05
Defl. ∠ Rt. = 84°00'14"

Future 72" Storm Drain

25.00

26

PI-13

20' Utility Easement

30' Utility Easement

MAXWELL

Line No. 3
See Sht. No. 8

Install 1-6" Stub and Plug

Const. MH 20
Standard MH
Type A or C
E out (8") = 148.27 (W)
E IN (6") = 148.88 (SE)
Top MH = 161.5

Install 20.00 L.F. 8" Pipe @ 0.40%

2ND MH 14
Sta 26+79.59

Future 42" Storm Drain

10' Drainage Easement

5'

Line No. 4
Utility Easement

Iron

Line No. 1

Baseline

28

25

30.00

20' Utility Easement

MAXWELL

Sta. 30+69.24
Const. MH 15
Standard MH
Type A or C

SCALES
PL. 1"=40'
PROFILE:
HORIZ. 1"=40'
VERT. 1"=5'

10' Utility Easement

Future Private Street

5' Utility Easement

10' Utility Esmt

Install 2-6" Stubs and plug

Iron

30°

ADDITION

Install 304.25 L.F. 10" Pipe

2ND

Install 304.25 L.F. 10" Pipe

Install 369.65 L.F. 8" Pipe

IDENTICAL POINTS

PI-13

Baseline

20'

5'

20' Utility Easement

30' Utility Easement

Sta. 21+14.98
4.16' Left

Sta. 24+30.01
23.96' Right

Sta. 27+25.27
22.55' Left

ADDITION

Sta. 27+25.27
22.55' Left

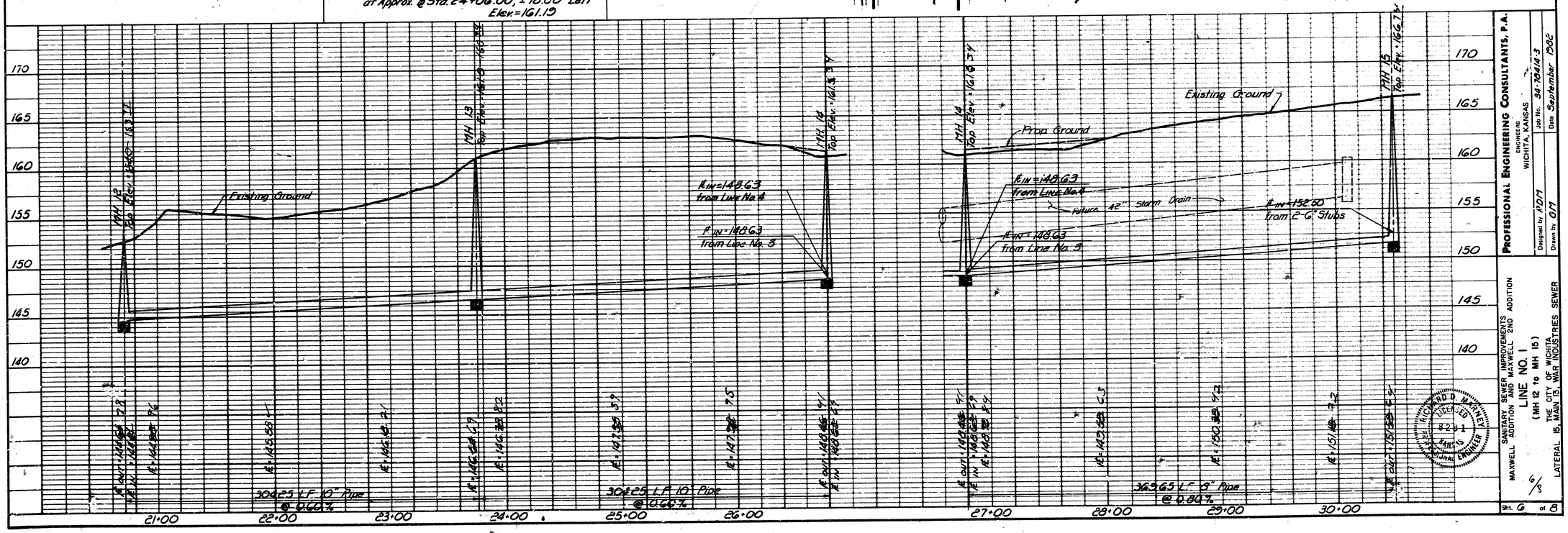
PI-13 / @ Sta. 27+10.05
Defl. ∠ Rt. = 84°00'14"

ADDITION

Ext. Sta. 30+04.06
2.69' Left

Utility Easement (Egress) Utility & Drainage

BM - R.R. Spike in South Face 10" Elm
at Approx. @ Sta. 24+06.00, ± 18.00' Left
Elev. = 161.13



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ENGINEERS
WICHITA, KANSAS

Designed by JDM
Drawn by GM
Job No. 34-70414-3
Date September 1982

SANITARY SEWER IMPROVEMENTS
MAXWELL ADDITION & MAXWELL 2ND ADDITION
LINE NO. 1
(MH 12 to MH 15)
THE CITY OF WICHITA
LATERAL 15, MAIN 13, WAR INDUSTRIES SEWER

RICHARD D. WARNER
8231
KANSAS
REGISTERED ENGINEER

6/8

Sht. 6 of 8

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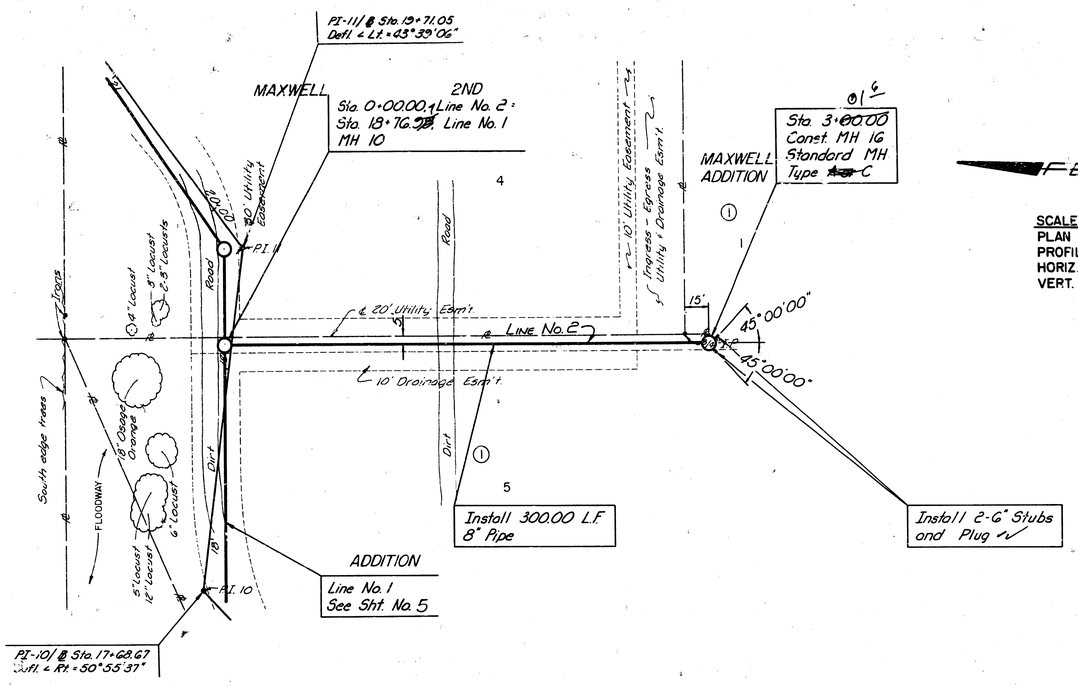

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
ENGINEERS
WICHITA, KANSAS
Job No. 84 83505
Date October 1983
Designed by MDS
Drawn by GH

MAXWELL SANITARY SEWER IMPROVEMENTS
MAXWELL ADDITION AND MAXWELL 2ND ADDITION

LINE NO. 2

THE CITY OF WICHITA
LATERAL 15, MAIN 13, WAR INDUSTRIES SEWER

7/8

Sht. 7 of 8

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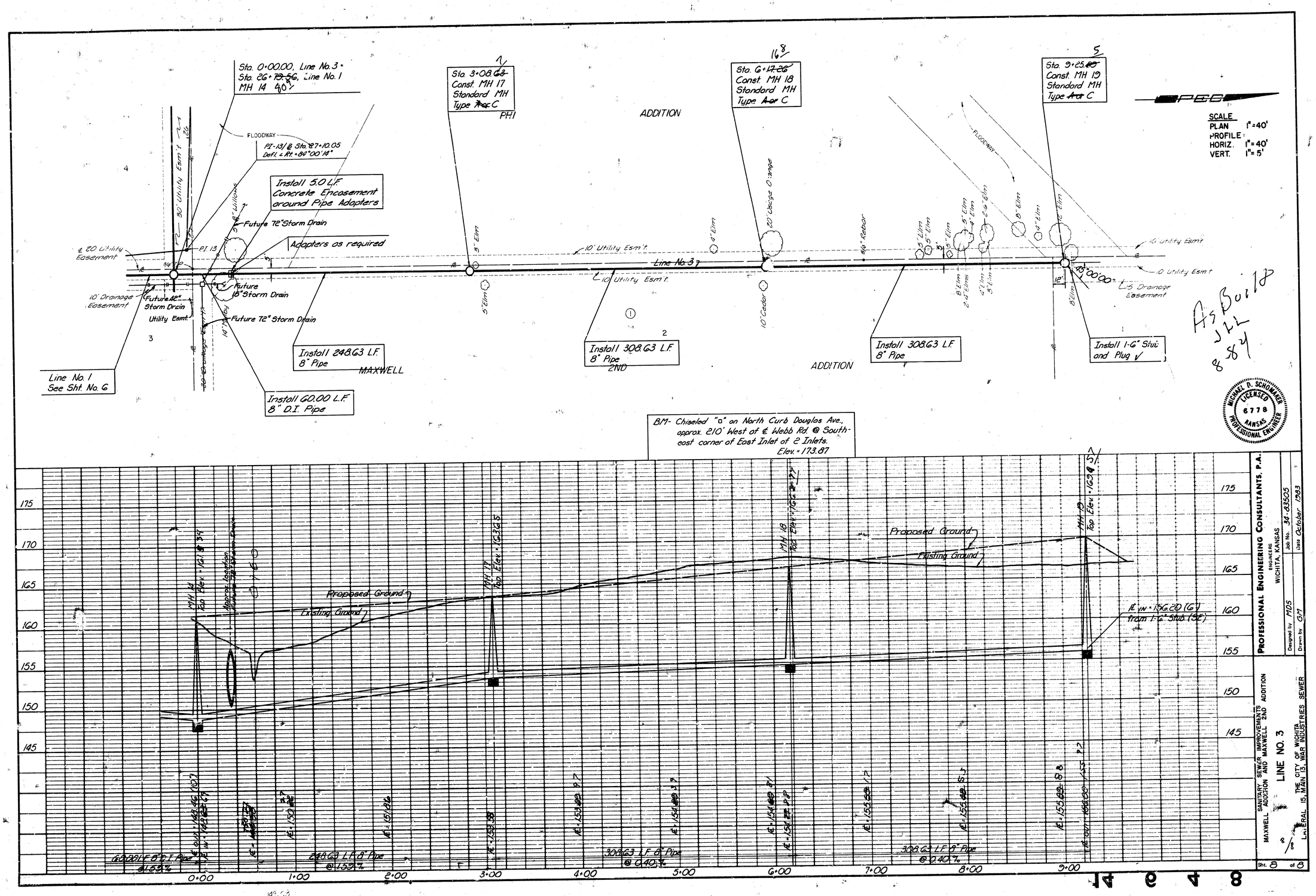

SCALE
PLAN 1" = 40'
PROFILE:
HORIZ. 1" = 40'
VERT. 1" = 5'

As Built JLL 8-84

MICHAEL D. SCHOMAKER LICENSED 6778 KANSAS PROFESSIONAL ENGINEER

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

Designed by MDS
Drawn by GM
Job No. 34-83505
Date October 1983

SANITARY SEWER IMPROVEMENTS
MAXWELL ADDITION AND MAXWELL 2ND ADDITION
LINE NO. 3
THE CITY OF WICHITA
LATERAL 15, MAIN 13, WAR INDUSTRIES SEWER

Sht. 8 of 8

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