CONSTRUCTION PLANS FOR

MAIN 10

OF THE

SOUTHWEST INTERCEPTOR SEWER

THE CITY OF WICHITA,
SEDGWICK COUNTY, KANSAS

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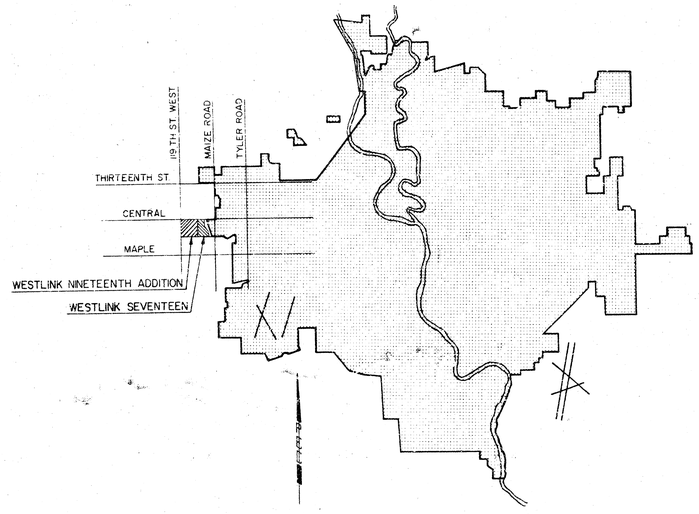


LOCATION MAP

NOTE: CITY IS IN THE PROCESS OF ACQUIRING RIGHT-OF-WAY IN THE AREA FROM STA 10+ 0 + 17.00 S A TION [illegible] WORK IN THESE LIMITS CAN NOT BEGIN UNTIL THE NECESSARY RIGHT-OF-WAY HAS BEEN ACQUIRED.

NOTE: FIELD ENGINEER SHALL SET TOPS OF MANHOLES TO MATCH PROPOSED FINISHED GRADE AS DETERMINED BY THE DEVELOPER. 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 THE REQUIREMENTS AS SHOWN ON STANDARD RISER DETAIL SHEET. LOCATIONS OF THE ENDS OF THE RISERS SHALL BE MARKED BY FASTENING GREEN PLASTIC COLORED 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. ELEVATIONS OF STUBS AND TOPS OF RISERS SHALL BE SUCH THAT WILL FACILITATE CONNECTION OF BASEMENT DRAINS WHEN THESE LOTS ARE DEVELOPED.

NOTE: CONTRACTOR CAN USE EITHER 8" CLAY PIPE, 8" A.B.S. COMP. PIPE, OR 8" P.V.C. PIPE WHERE PLANS SPECIFY 8" PIPE EXCEPT THAT ONLY ONE OF THESE KINDS OF PIPES MAY BE USED IN THESE LOCATIONS.

CITY OF WICHITA PROJECT NO. 468-76-245-80688-000-000-001

JUNE, 1979

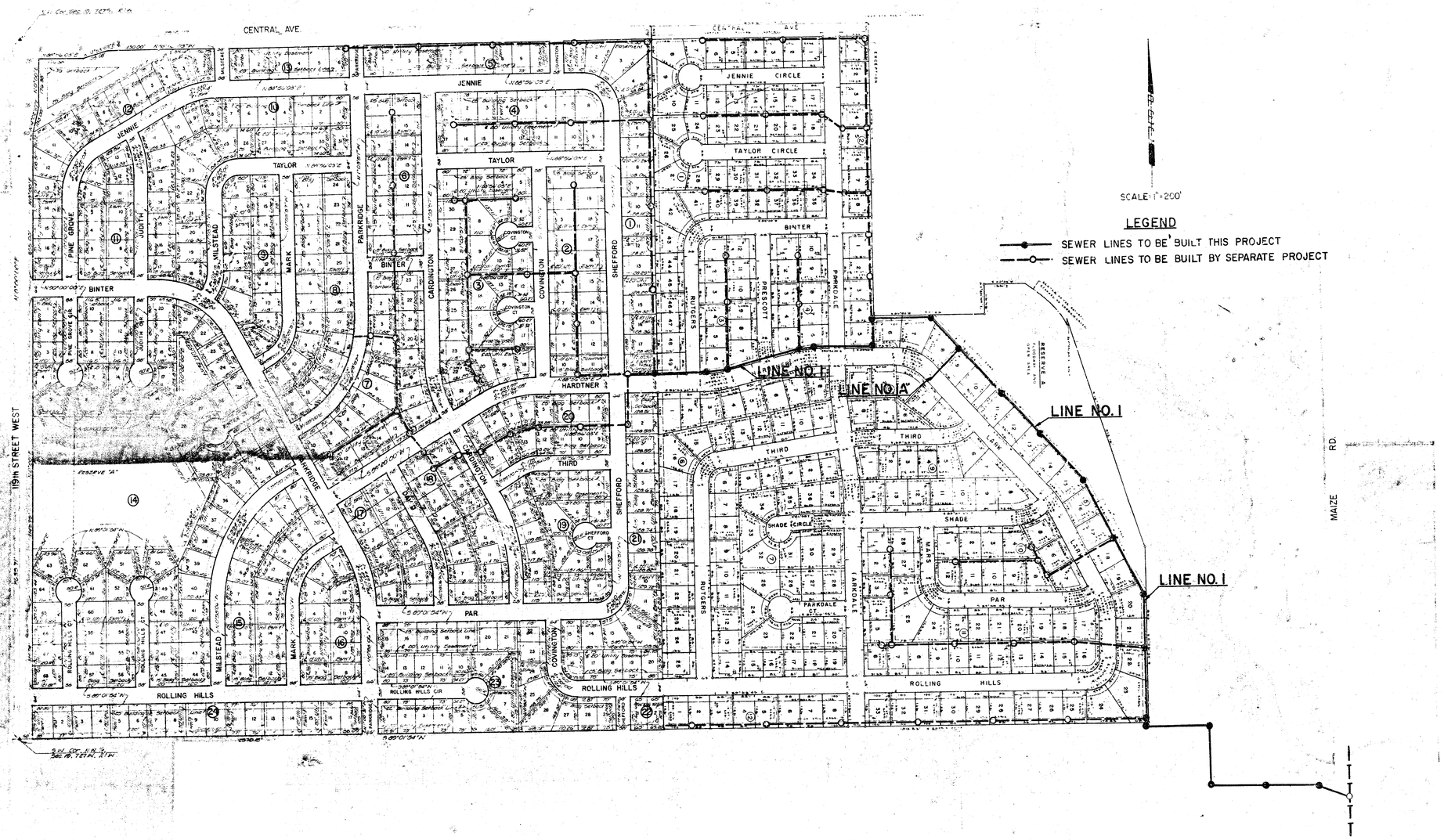
PLANS PREPARED BY

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

MICHAEL D. SCHMACHER LICENSED 6778 KANSAS PROFESSIONAL ENGINEER

As Built 4-5-81

SHEET NO. 1 OF 10



SEWER LINE SCHEDULE	
LINE NO.	SHEET NO.
LINE NO. I	5 thru 9
LINE NO. IA	10

BENCH MARKS

[illegible]

GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIALS TO COMPLY WITH CITY OF WICHITA SPECIFICATIONS AND STANDARDS.
2. SEWER LINES TO BE INSPECTED BY THE DEPARTMENT OF PUBLIC WORKS INSPECTION.
3. [illegible]
4. [illegible]
5. [illegible]
6. [illegible]
7. [illegible]
8. [illegible]

No.	Date	By	Date

CITY OF WICHITA, KANSAS
MAIN TO OF THE SOUTHWEST INTERCEPTOR SEWER

KEY MAP

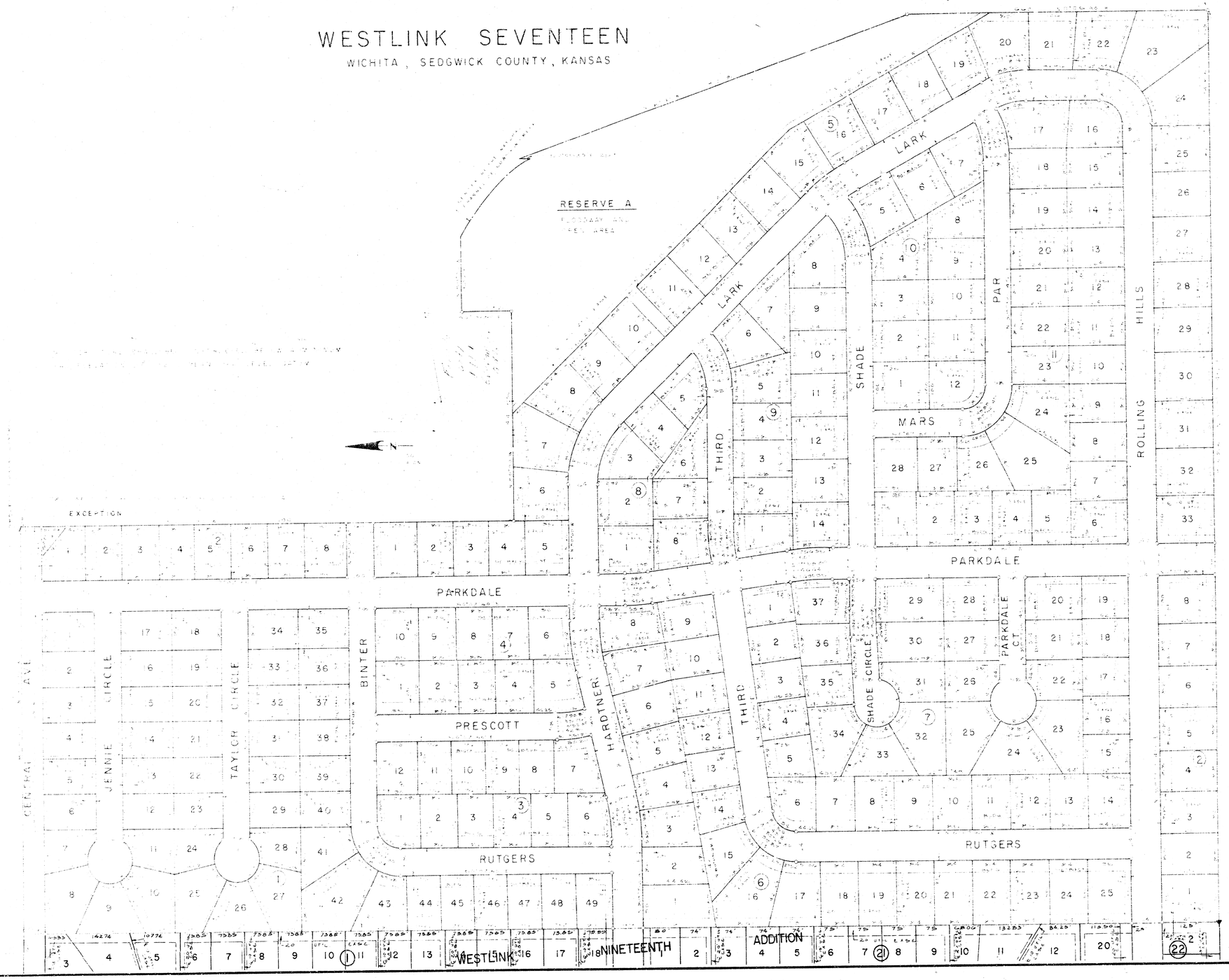
F. W. [illegible], P. E., CITY ENGINEER
[illegible] WICHITA [illegible] NO. 465 TO 245 [illegible]

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
WICHITA, KANSAS

[illegible] 79129-1
[illegible] 8-79

WESTLINK SEVENTEEN

WICHITA, SEDGWICK COUNTY, KANSAS



CITY OF WICHITA, KANSAS
MAIN 10 OF THE SOUTHWEST INTERCEPTOR SEWER
WESTLINK SEVENTEEN
FINAL PLAT
R. W. LINN, P. E., CITY ENGINEER
CITY OF WICHITA PROJECT NO. 468-76-245-80688-000-000-001
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
ENGINEERS
WICHITA, KANSAS
Designed by MDS, RFJ
Drawn by RFJ
79:E0-1
Date June 1979
10

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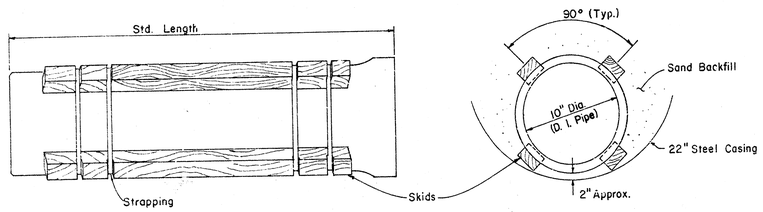
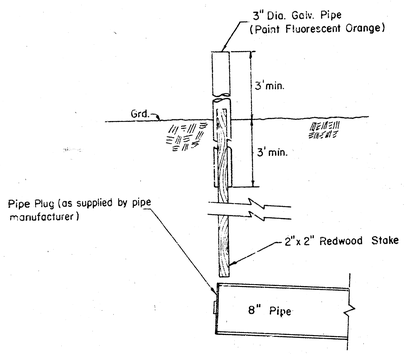
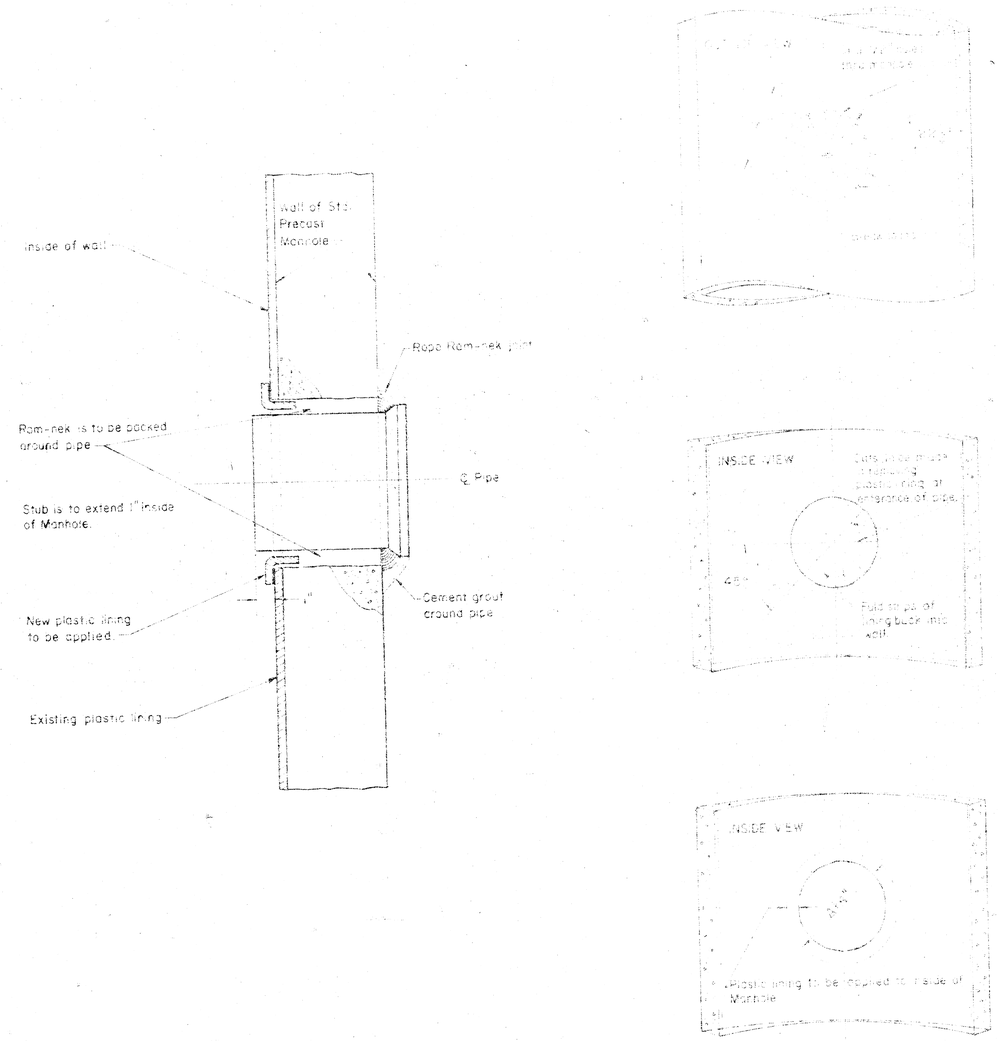


BORING DETAIL



BURIED PIPE STAKING DETAIL

(Staking & Plugging shall be subsidiary to the 8" pipe line installed)



No.	Revision	By	Date

CITY OF WICHITA, KANSAS
MAIN 10 OF THE SOUTHWEST INTERCEPTOR SEWER

MISCELLANEOUS DETAILS

R. W. LINN, P. E., CITY ENGINEER
CITY OF WICHITA PROJECT NO. 468-76-245-80688-000-000-C01

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

Designed by MDS, RFJ | Job No. 79129-1 | Sheet 4 of 10
Drawn by TG | Date June 1979

MICHAEL D. SCHOMAKER LICENSED 6778 KANSAS PROFESSIONAL ENGINEER

DRAWN: Oct 1978

DETAIL OF PIPE CONNECTION TO STRUCTURAL TEE MANHOLE
CITY OF WICHITA, KANSAS

R.W. LINN — CITY ENGINEER
PROJECT NUMBER:
DATE:

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Construct temporary entrance as shown *

Install 1-30'x21' CMP (Temporary)* (The Contractor shall purchase and Install The Temporary CMP)

110'

49'

18'

Proposed temporary access road for Contractors use *

Flow lines to match existing

70' Temporary Easement

*All Work required within the Maize Road R/W and as designated by the plans as "temporary" shall be restored to its original contours & condition by the contractor upon completion of the project. This includes removal of the 30'x21' C.M.P.

SCALE
PLAN : 1"=20'
PROFILE :
HORIZ. : 1"=20'
VERT. : 1"=5'

NOTE: 1. Any Fencing removal, damage or destroyed during construction shall be replaced or reset in kind by the contractor as directed by the engineer.

2. The Contractor shall also seed or sod any previously grassed areas as directed by the engineer between Sta 0+00 and Sta 10+28. Seeding and or sodding will not be paid for directly and this cost shall be included in the lump sum price bid for Site Restoration. Lump sum price bid for Site Restoration shall also include the cost for removing temporary access road and restore this area to its original condition.

MICHAEL D. SCHOCHER LICENSED 6778 KANSAS ENGINEER

Sta. 0+11 to Sta. 0+61
Const 50 L.F 24" Boring and Steel encasement
See detail, Sht. No. 4

Sta. 1+~~22.38~~ 11.5
Const MH 1
Standard MH
Type B

Remove and Replace 76 S.Y. Gravel Road in kind

40' Temporary Easement

Sta. 3+~~29.05~~ 28.5
Const. MH 2
Standard MH
Type B

Sta. 5+37.~~34~~ .4
Const. MH 3
Standard MH
Type B

20' Utility Easement

LINE No. 17

Sta. 0+00.00
Existing MH
Connect 10" D.I. Pipe to Structural tee MH
See detail, Sht. No. 4

70°00'

80°00'

10°00'

90°08'55"

40'

10'

Install 122.38 L.F. 10" D.I. Pipe

Install 207.48 L.F. 10" Pipe

Install 207.48 L.F. 10" Pipe

40' Temporary Easement

The Contractor shall notify the Sedgwick County Dept of Public Works 12 hours Prior to beginning installation of the temporary CMP and Prior to beginning any "Boring" work under Maize Road. (County Road No. 807P)

The contractor shall provide continuous access to and from the private residence of Paul V. and Rosemary A. Dugan during construction operations.

Owner: Paul V. & Rosemary A. Dugan

Existing MH (Structural Tee) Top Elev. 133.12

MH 1 Top Elev. 135.0

MH 2 Top Elev. 137.5

MH 3 Top Elev. 142.1

Existing Ground

24" Steel Encasement

Fout 114.76
Fin 114.26
121.00

121.40
FE = 119.88

121.45
Fout 119.73
Fin 122.05

FE = 122.24

FE = 122.46

FE = 122.58

FE = 122.76

FE = 123.00

Fout 123.09
Fin 123.19

122.38 LF 10" DI Pipe @ 0.40 %

207.48 LF 10" Pipe @ 0.25 %

207.48 LF 10" Pipe @ 0.25 %

145
140
135
130
125
120
115

0+00
1+00
2+00
3+00
4+00
5+00

As Built 5/81

CITY OF WICHITA, KANSAS
MAIN ID.
OF THE SOUTHWEST INTERCEPTOR SEWER
LINE NO. 1
R.W. LINN, P.E. CITY ENGINEER
C. of W. Proj. No. 468-76-245-80688-000-000-001

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
791201
5 10
June 1979
MDS
TC

SHEET 5 OF 10

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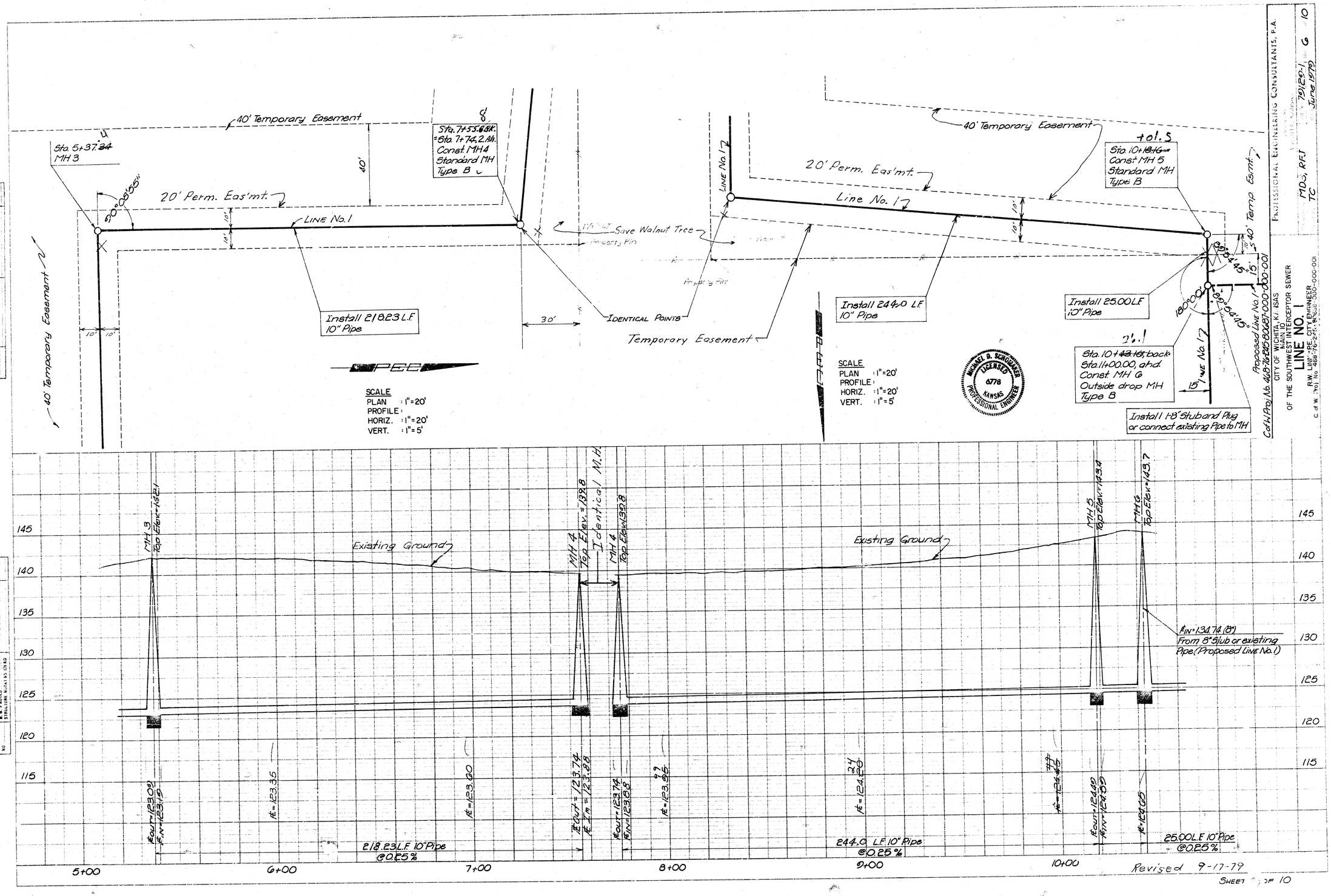
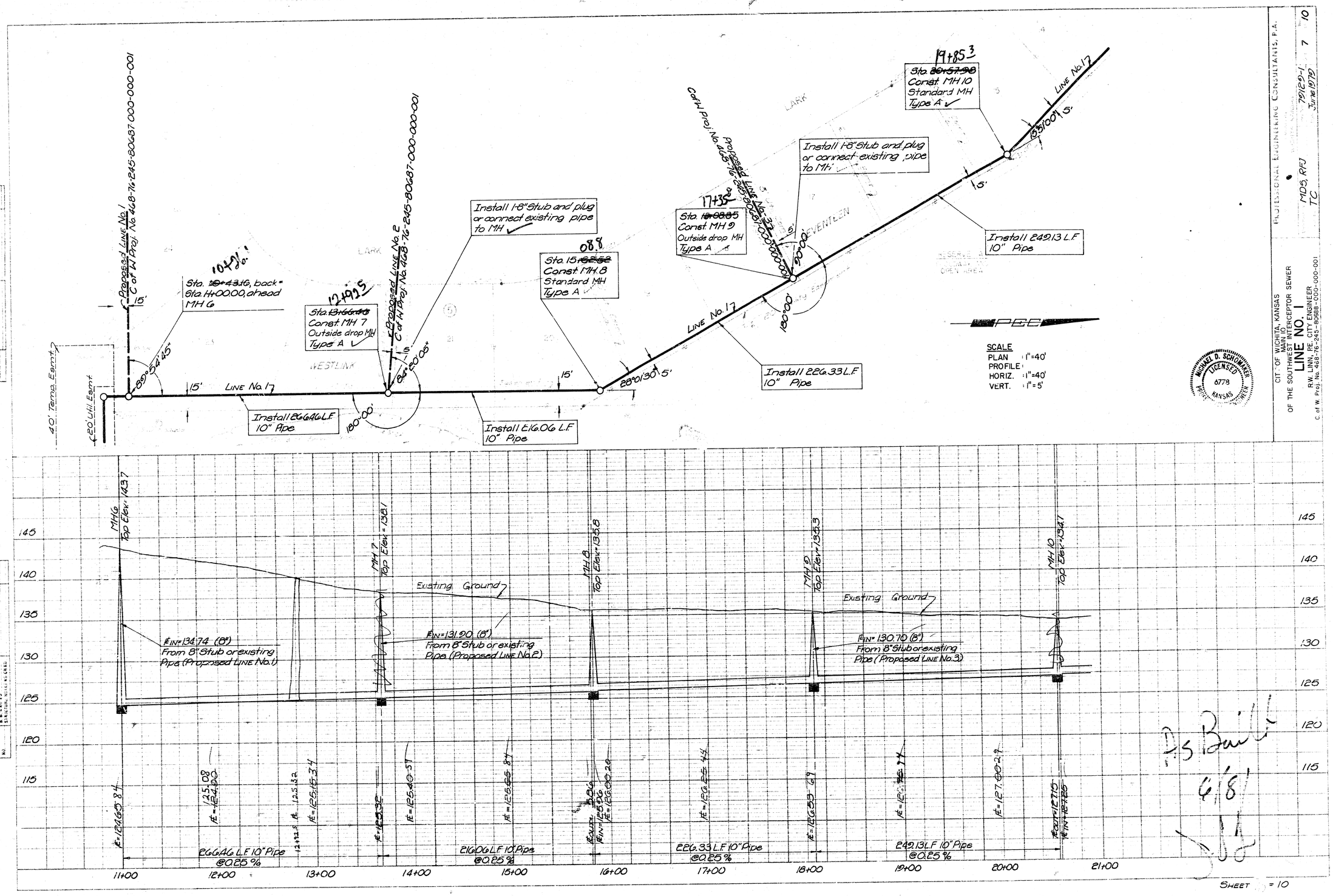

40' Temporary Easement
Sta. 5+37.34
MH 3
50°06'55"
20' Perm. Eas'mt.
LINE No. 1
40'
Sta. 7+55.68K.
= Sta. 7+74.2 Ah.
Const. MH 4
Standard MH
Type B
Save Walnut Tree
Property Pin
IDENTICAL POINTS
30'
Install 218.23 L.F.
10" Pipe
Temporary Easement
40' Temporary Easement
LINE No. 1
20' Perm. Eas'mt.
Line No. 1
Sta. 10+01.5
Const. MH 5
Standard MH
Type B
40' Temp. Eas'mt.
Install 244.0 L.F.
10" Pipe
Install 25.00 LF
10" Pipe
89°54'45"
180°00'00"
89°09'45"
Sta. 10+01.5, back
Sta. 11+00.00, ahd.
Const. MH 6
Outside drop MH
Type B
Install 1-8' Stub and Plug
or connect existing Pipe to MH
SCALE
PLAN : 1"=20'
PROFILE :
HORIZ. : 1"=20'
VERT. : 1"=5'
MICHAEL D. SCHUDEMER
LICENSED
6778
KANSAS
PROFESSIONAL ENGINEER
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
MDS, RFJ
TC
June 1979
CITY OF WICHITA, KANSAS
OF THE SOUTHWEST INTERCEPTOR SEWER
LINE NO. 1
R.W. LINE - PE - CITY ENGINEER
Cat. W. Proj. No. 468-76-2-2-1, 8-8-0087-000-001
Cat. W. Proj. No. 468-76-2-2-1, 8-8-0087-000-001
Existing Ground
MH 3
Top Elev. = 142.1
MH 4
Top Elev. = 139.8
Identical M.H.
MH 4
Top Elev. = 139.8
MH 5
Top Elev. = 143.4
MH 6
Top Elev. = 145.7
FIN = 134.74 (8")
From 8" Stub or existing
Pipe (Proposed Line No. 1)
145
140
135
130
125
120
115
FOUT = 123.09
FIN = 123.19
FE = 123.35
FE = 123.00
FOUT = 123.74
FIN = 123.88
FOUT = 123.74
FIN = 123.88
FE = 123.85
FE = 124.20
FE = 124.45
FOUT = 124.49
FIN = 124.59
FE = 124.65
218.23 L.F. 10" Pipe
@ 0.25%
244.0 L.F. 10" Pipe
@ 0.25%
25.00 L.F. 10" Pipe
@ 0.25%
5+00
6+00
7+00
8+00
9+00
10+00
Revised 9-17-79
SHEET 7 OF 10



As Built 6/81

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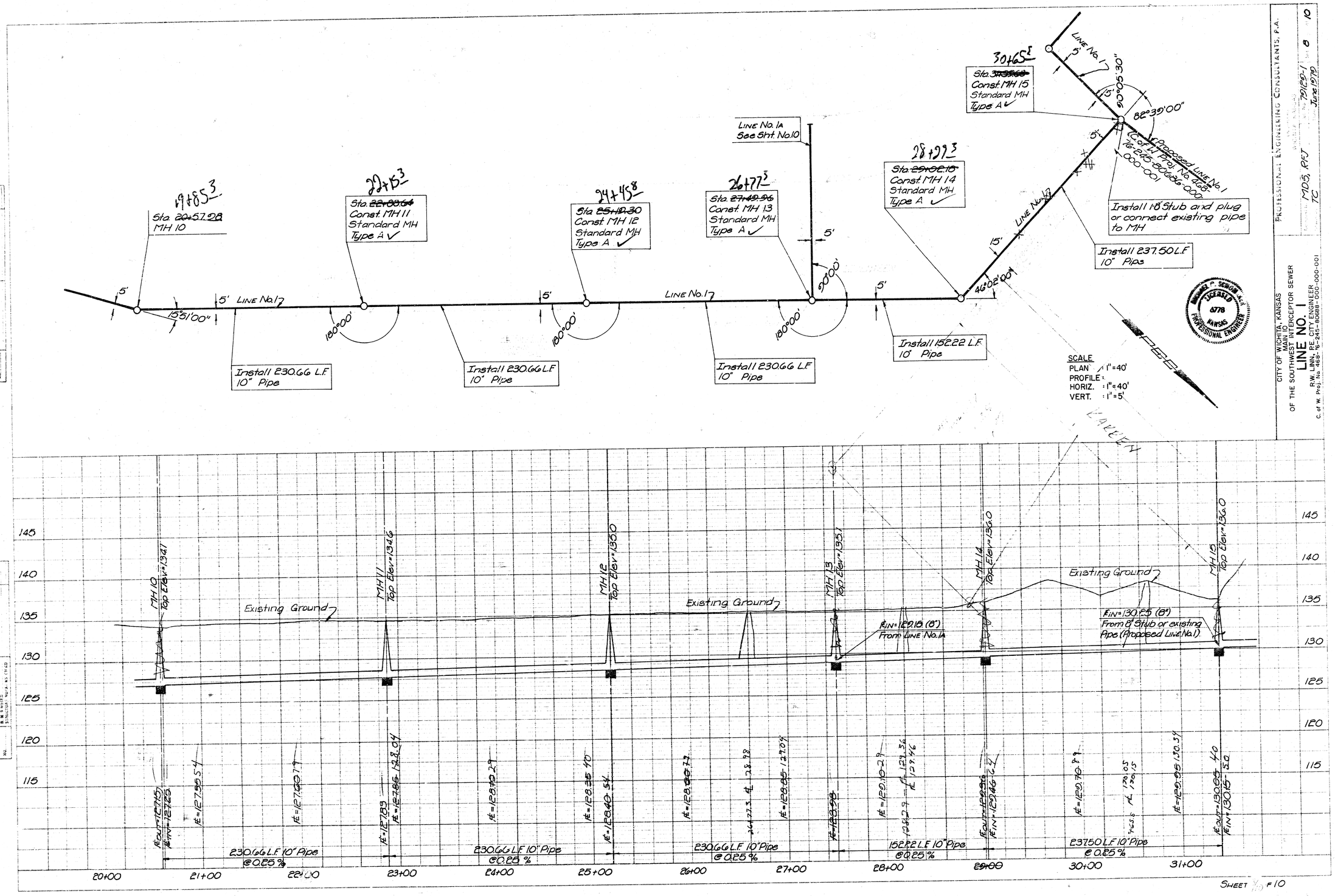

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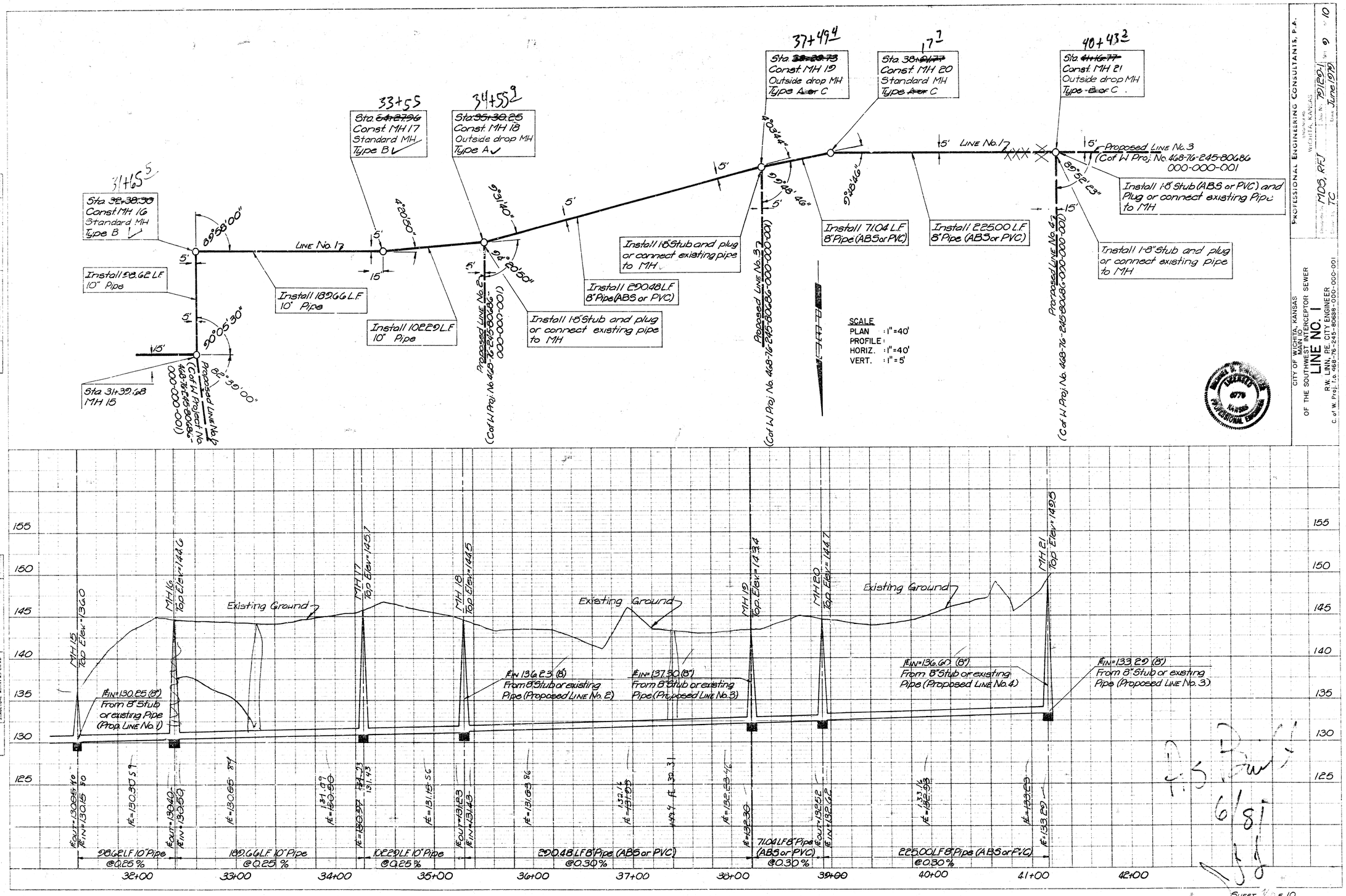

SHEET 9 OF 10

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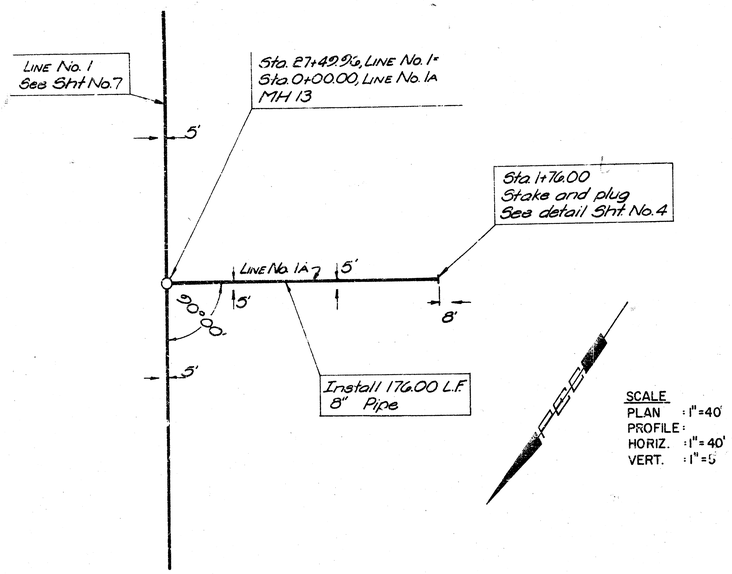
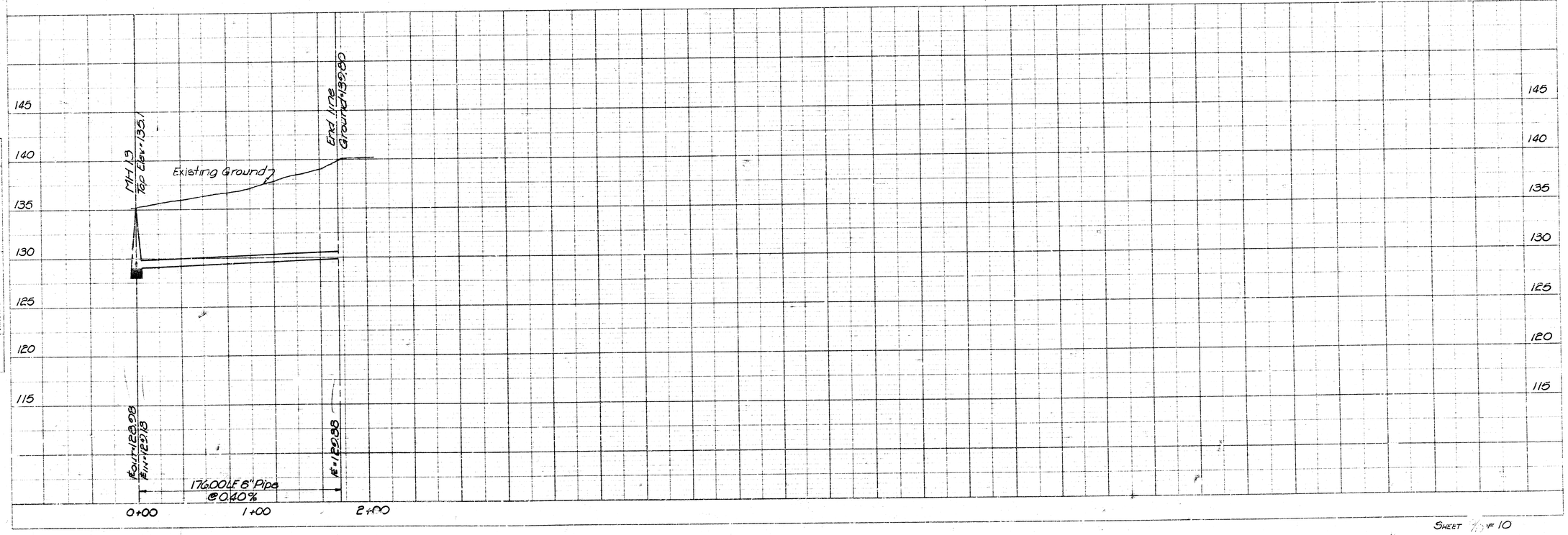


SCALE
PLAN : 1" = 40'
PROFILE :
HORIZ. : 1" = 40'
VERT. : 1" = 5'



SHEET 10 OF 10

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
WICHITA, KANSAS
Drawn by TDS, RFJ
Checked by TC
Job No. 791291
Date June 1979
Sht. 10 of 10

CITY OF WICHITA, KANSAS
MAIN TO
OF THE SOUTHWEST INTERCEPTOR SEWER
LINE NO. 1A
R.W. LINN, P.E. CITY ENGINEER
C. of W. Proj. No. 468-76-2-45-R0688-000-001

MICHAEL D. SCHWAKER
LICENSED
6778
KANSAS
PROFESSIONAL ENGINEER

PLAN
SURVEYED
PLOTTED
CROSS CHECKED
ALIGNMENT CHECKED
R.T. OF WAY CHECKED
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
R.W.S. NOTED
STRUCTURE NOTATIONS CHKD.
NOTE BOOK
NO.
BY
DATE

FILMED FROM THE BEST