CONSTRUCTION PLANS FOR

LATERAL 7, MAIN 6

OF THE

SOUTHWEST INTERCEPTOR SEWER

THE CITY OF WICHITA,
SEDGWICK COUNTY, KANSAS

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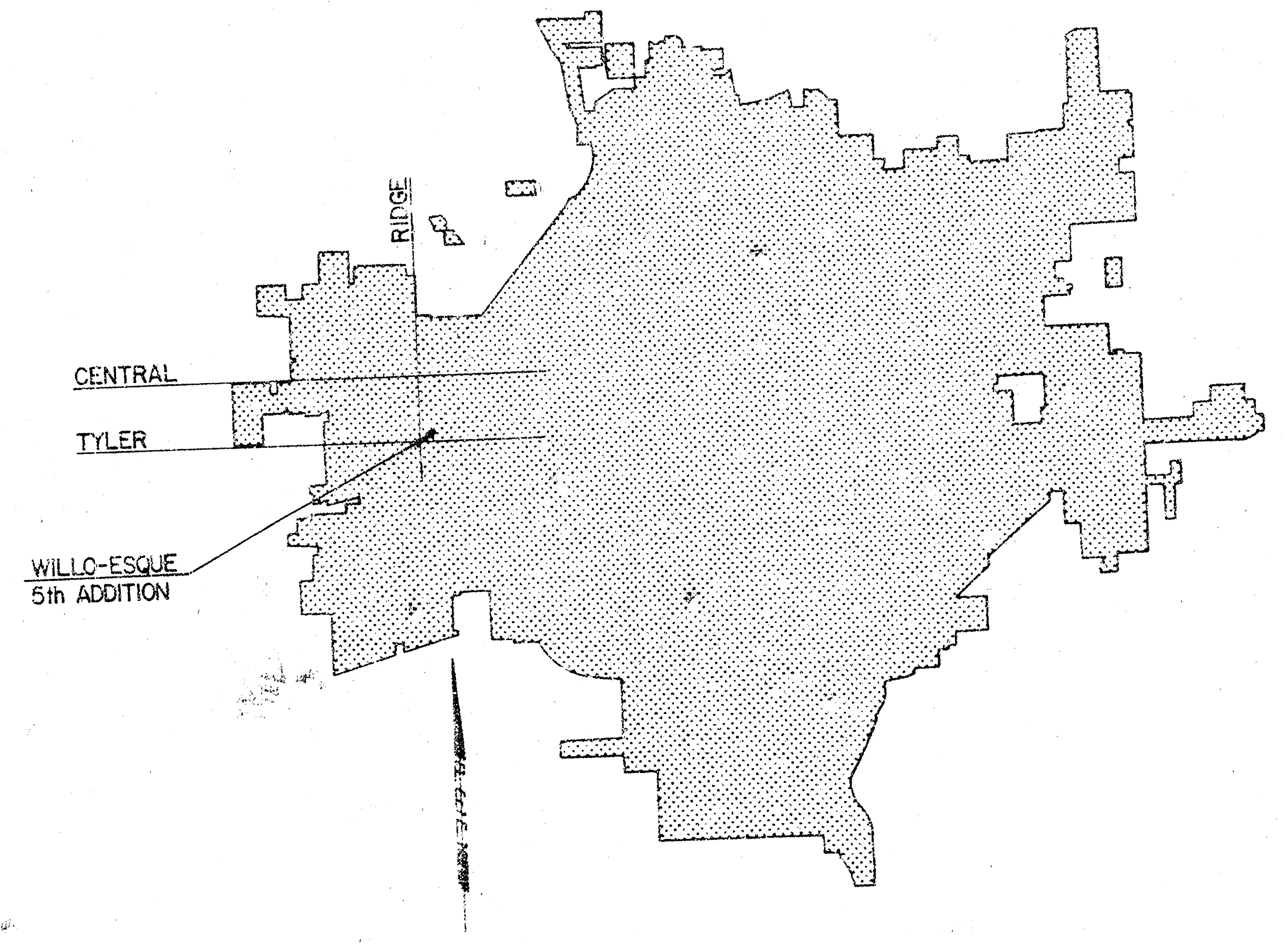

RIDGE
CENTRAL
TYLER
WILLO-ESQUE 5th ADDITION

LOCATION MAP

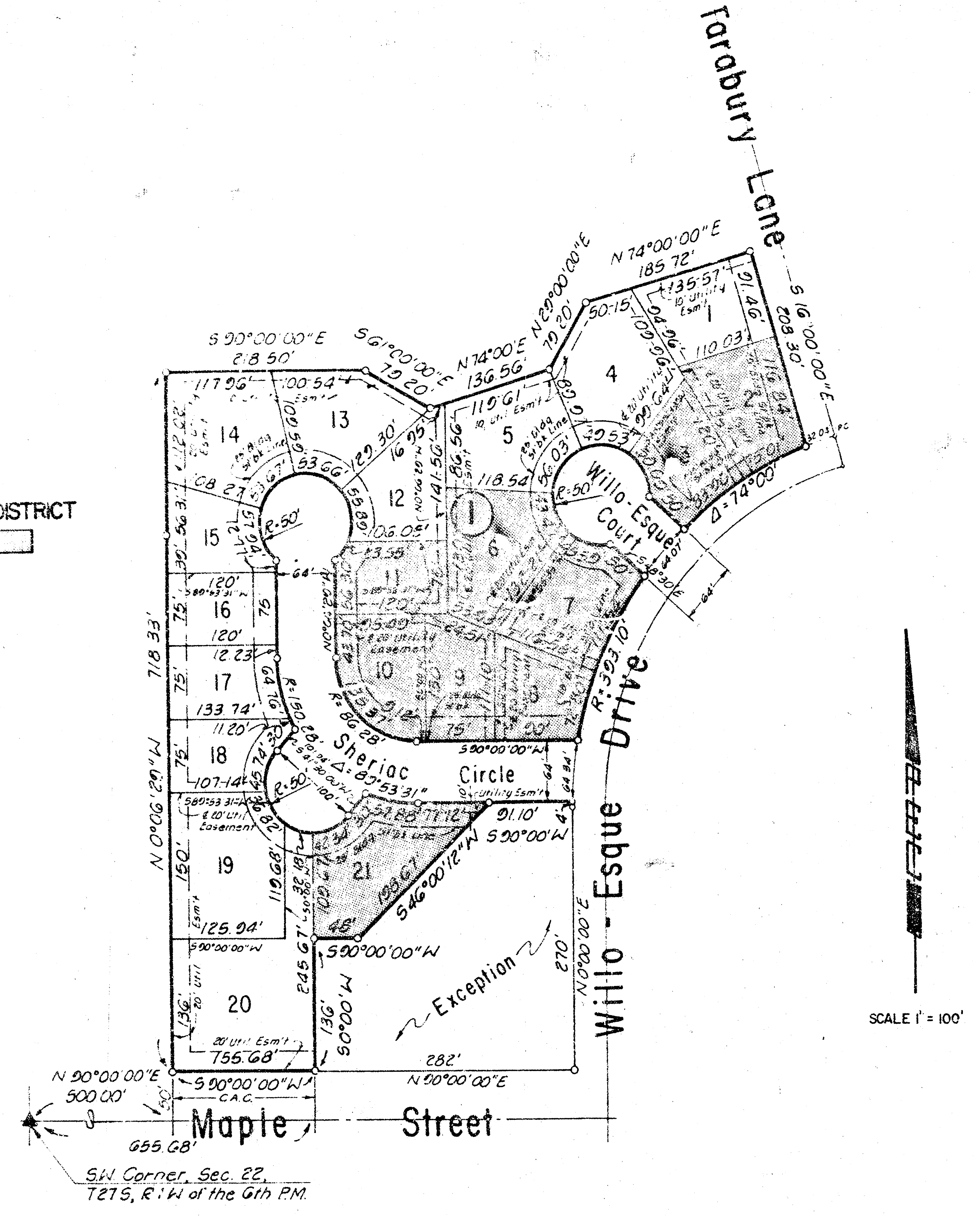
CITY OF WICHITA PROJECT NO. 468-76-245-81145-000-000-001

AUGUST 1981

PLANS PREPARED BY

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

BENEFIT DISTRICT ▨

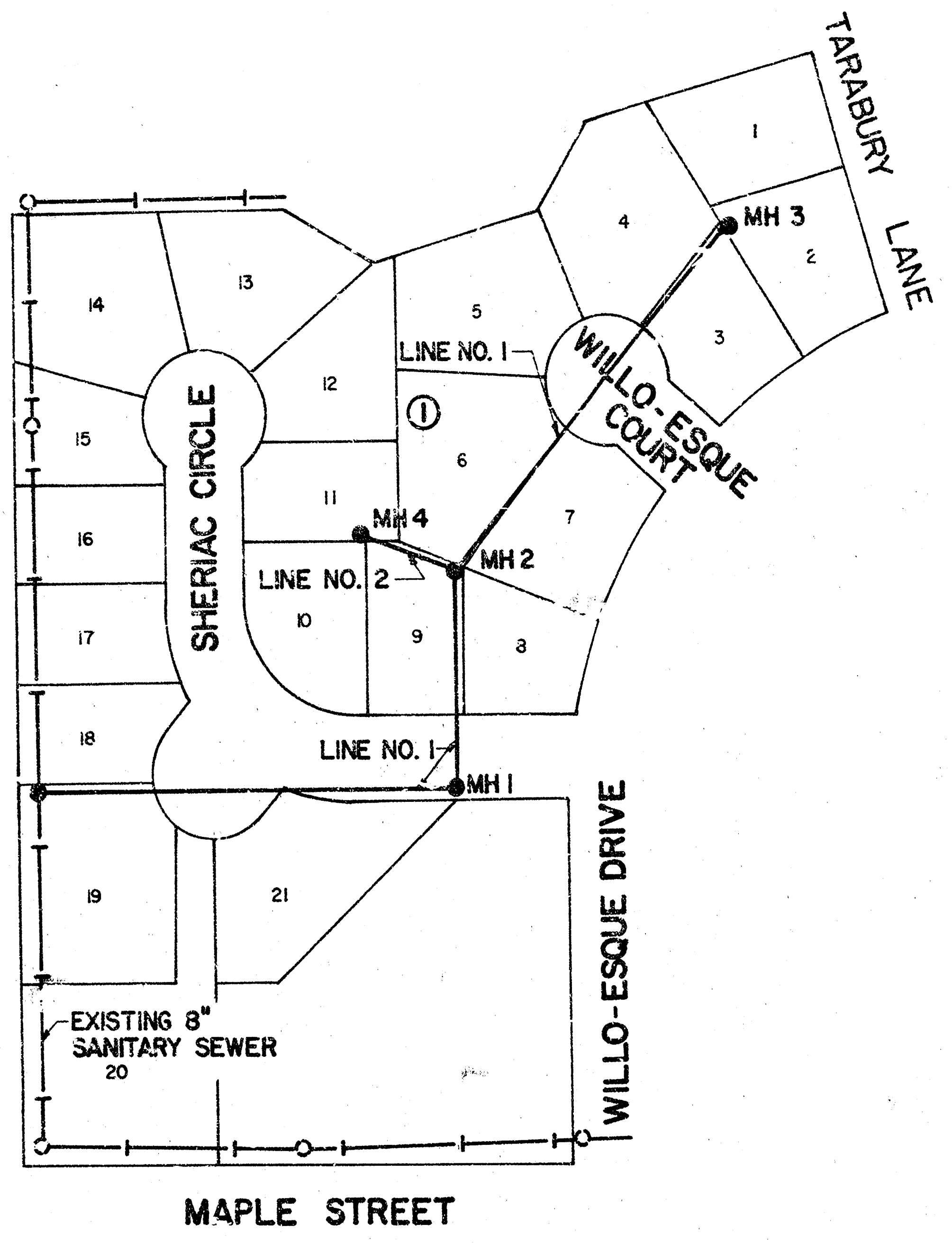

Tarabury Lane
Willo-Esque Court
Willo-Esque Drive
Sheriac Circle
Maple Street
Exception
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
①
R=50'
R=150.28'
R=86.28'
R=393.10'
Δ=83°53'31"
Δ=74°00'
S 90°00'00"E
218.50'
S 61°00'00"E
70.20'
N 74°00'E
136.56'
N 29°00'00"E
70.20'
N 74°00'00"E
185.72'
S 16°00'00"E
208.30'
N 0°00'20"W
718.33'
S 90°00'00"W
755.68'
S 46°00'12"W
S 90°00'00"W
N 0°00'00"E
270'
282'
N 90°00'00"E
N 90°00'00"E
500.00'
655.68'
C.A.C.
S.W. Corner, Sec. 22,
T27S, R1W of the 6th P.M.
10' Utility Esm't
20' Util. Esm't
SCALE 1' = 100'

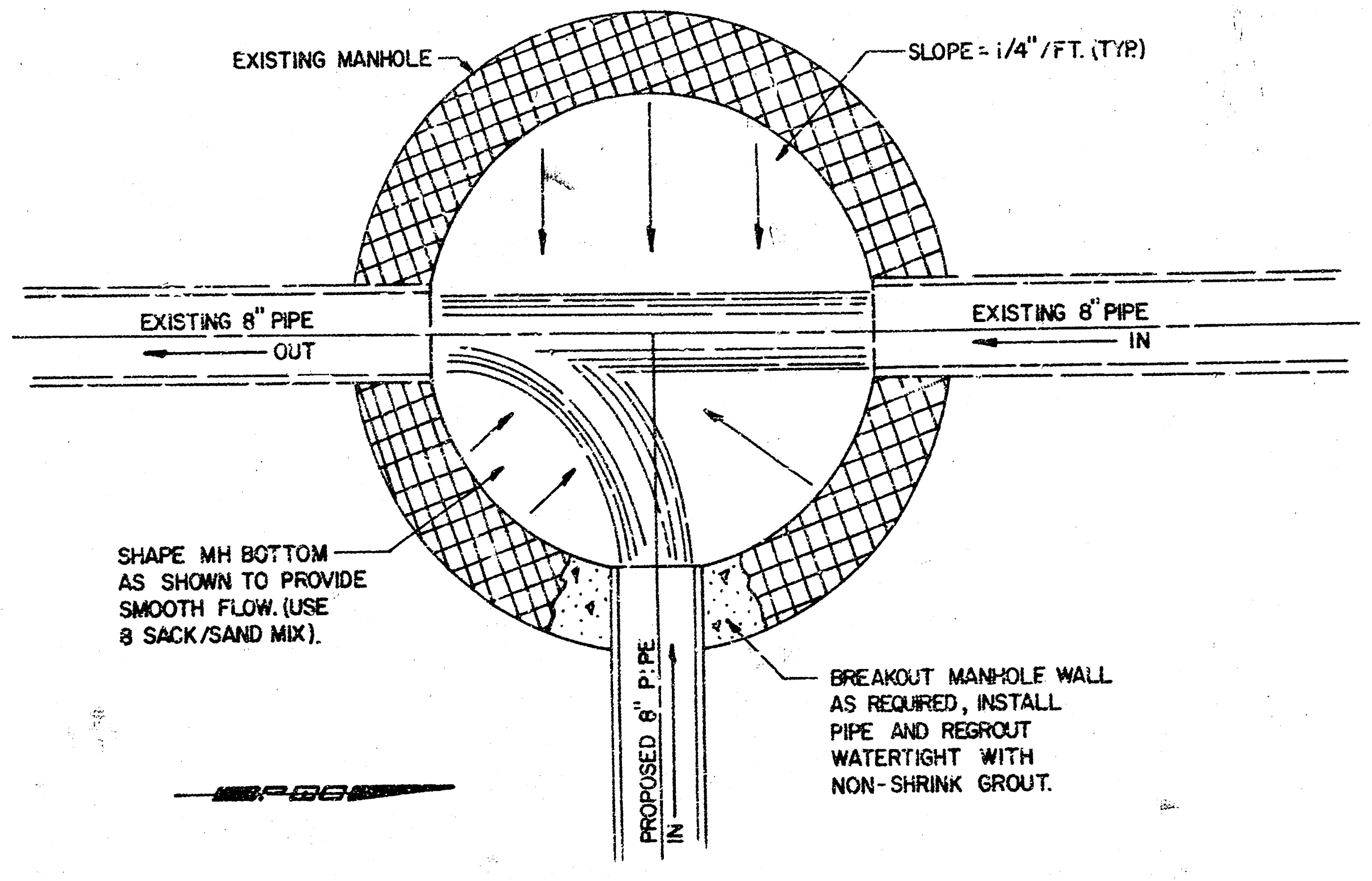
WILLO-ESQUE 5th ADDITION

TC WICHITA, SEDGWICK COUNTY, KANSAS

A REPLAT OF PART OF LOT I, BLK A, WILLO-ESQUE 2nd ADDITION

SEWER LINE SCHEDULE	
LINE NO.	SHEET NO.
1	3&4
2	4


TARABURY LANE
WILLO-ESQUE COURT
WILLO-ESQUE DRIVE
SHERIAC CIRCLE
MAPLE STREET
LINE NO. 1
LINE NO. 2
LINE NO. 1
MH 1
MH 2
MH 3
MH 4
①
EXISTING 8"
SANITARY SEWER
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21


EXISTING MANHOLE
SLOPE = 1/4"/FT. (TYP.)
EXISTING 8" PIPE
OUT
EXISTING 8" PIPE
IN
SHAPE MH BOTTOM AS SHOWN TO PROVIDE SMOOTH FLOW. (USE 8 SACK/SAND MIX).
BREAKOUT MANHOLE WALL AS REQUIRED, INSTALL PIPE AND REGROUT WATERTIGHT WITH NON-SHRINK GROUT.
PROPOSED 8" PIPE
IN

"BREAK IN" DETAIL

BREAKING INTO THE EXISTING MH SHALL BE CONSIDERED SUBSIDIARY TO THE 8" PIPE INSTALLED

GENERAL NOTES

1. PRESERVATION OF PROPERTY IRONS. 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 APPLICABLE STATE LAWS.
2. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF THE EXISTING 8" SANITARY SEWER AT THE BEGINNING OF LINE NO'S. 1,
IF ANY DISCREPANCIES ARE FOUND REGARDING FIELD LOCATIONS AND PLAN LOCATIONS IN THESE AREAS, THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR THE NECESSARY FIELD ADJUSTMENT CALCULATIONS PRIOR TO PROCEEDING.
3. ALL CONSTRUCTION AND MATERIALS TO COMPLY WITH CITY OF WICHITA SPECIFICATIONS AND STANDARDS.
4. SEWER LINES TO BE INSPECTED BY THE DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION.
5. AT LEAST 48 HOURS PRIOR TO BEGINNING EXCAVATION (EXCLUDING WEEKENDS AND HOLIDAYS), THE CONTRACTOR SHALL CONTACT THE UTILITY LOCATION SERVICE "KAN-U-DIG-IT" AT (316)267-2989 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, AND THE WICHITA WATER DEPARTMENT.
6. EXCESS EXCAVATED MATERIAL AND OTHER DEBRIS SHALL BE WASTED AS DIRECTED BY THE ENGINEER.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CONTINUOUS FLOW OF SEWAGE THROUGH THE EXISTING SEWERS DURING CONSTRUCTION. THE CONTRACTOR'S PROPOSED METHOD FOR MAINTAINING SEWAGE FLOW SHALL BE APPROVED BY THE ENGINEER. ANY COST OF MAINTAINING FLOW OF SEWAGE DURING CONSTRUCTION WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED SUBSIDIARY TO THE OTHER ITEMS OF WORK.
8. ALL ELEVATIONS SHOWN ARE CITY OF WICHITA DATUM.
(USGS-1187.4=CITY DATUM)
9. ~~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.
10. 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.

MICHAEL D. SCHOMAKER
6778

No.	Revision	By	Date

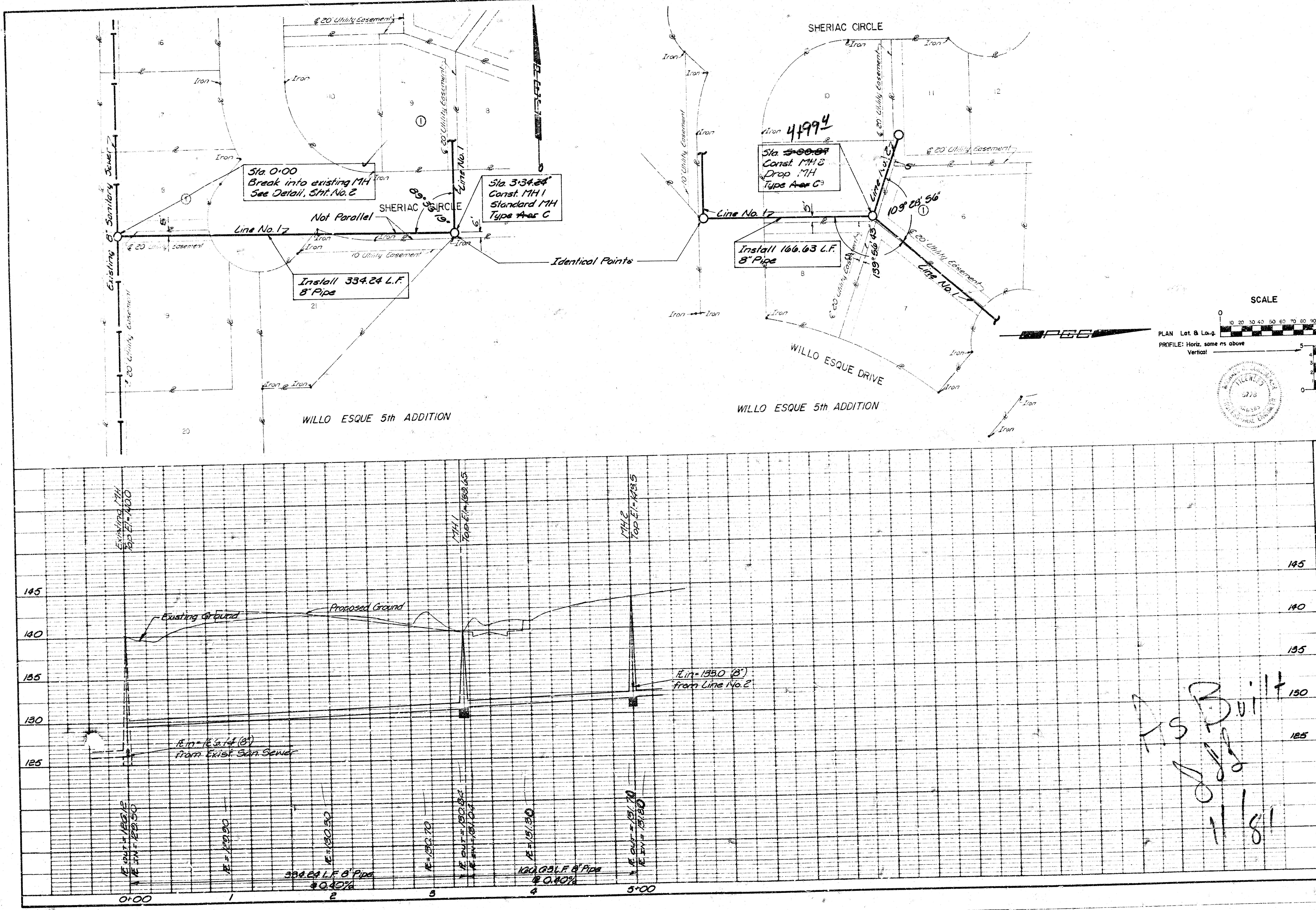
CITY OF WICHITA, KANSAS
LATERAL 7, MAIN 6
SOUTHWEST INTERCEPTOR SEWER

KEY MAP AND FINAL PLAT

WILLO-ESQUE 5th ADDITION
C. OF W. PROJECT NO. 468-76-245-81145-000-000-001

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

Designed by MDS
Drawn by GD, TS
Job No. 81189-1
Date
Sht. 2 2/4



Existing 8" Sanitary Sewer
€ 20' Utility Easement
Iron
Sta. 0:00
Break into existing MH
See Detail, Sht. No. 2
Line No. 1
Not Parallel
SHERIAC CIRCLE
89° 33' 19"
6'
Sta. 3+34.~~24~~
Const. MH 1
Standard MH
Type ~~A or~~ C
10' Utility Easement
Install 334.24 L.F.
8" Pipe
Identical Points
WILLO ESQUE 5th ADDITION
SHERIAC CIRCLE
4+99⁴
Sta. ~~5+00.07~~
Const. MH 2
Drop MH
Type ~~A or~~ C
Line No. 2
5'
Install 166.63 L.F.
8" Pipe
109° 28' 56"
139° 56' 43"
WILLO ESQUE DRIVE
PEC
SCALE
PLAN Lat. & Long.
PROFILE: Horiz. same as above
Vertical
Existing MH
Top El.=140.0
MH 1
Top El.=140.65
MH 2
Top El.=143.5
Existing Ground
Proposed Ground
FL in=133.0 (8")
from Line No. 2
FL in=125.14 (8")
from Exist. San. Sewer
FL out=129.12
FL in=129.50
FL=129.90
FL=130.30
FL=130.70
FL out=130.84
FL in=131.04
FL=131.30
FL out=131.70
FL in=131.80
334.24 L.F. 8" Pipe
@ 0.40%
166.63 L.F. 8" Pipe
@ 0.40%
145
140
135
130
125
0+00
1
2
3
4
5+00

As Built
11/81

Professional Engineering Consultants, P.A.
ENGINEERS
WICHITA, KANSAS

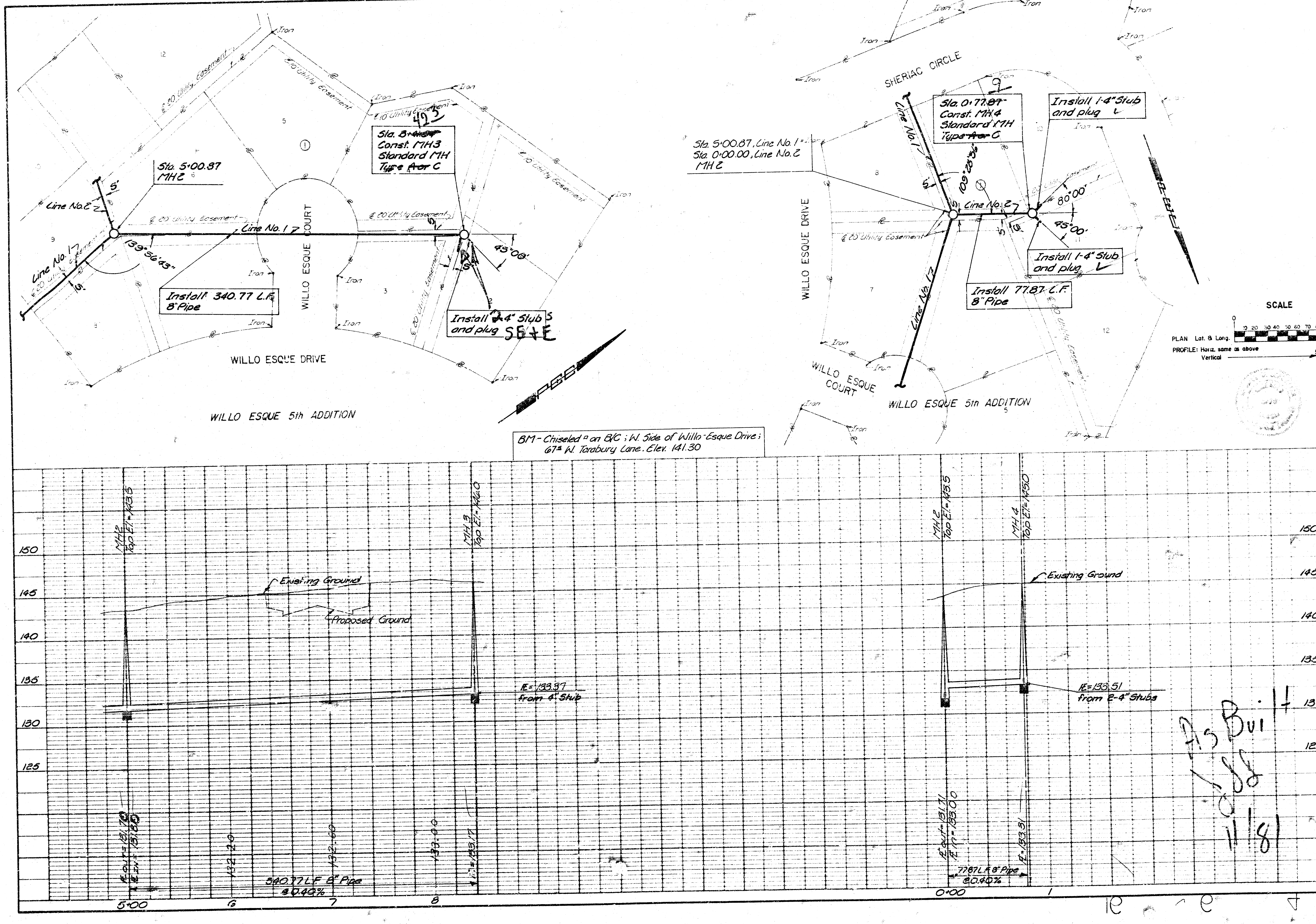
Designed by MDS
Drawn by GD, DP
Job No. 81189-1
Date

CITY OF WICHITA, KANSAS
LATERAL 7, MAIN 6
SOUTHWEST INTECEPTOR SEWER

LINE NO. 1

WILLO-ESQUE 5th ADDITION
C. OF W. PROJECT NO. 468-76-245-81145-000-000-001

Sht. 3 3/4


12
℄ 20' Utility Easement
℄ 10' Utility Easement
Iron
5
①
Sta. 8+~~4.57~~ 423
Const. MH3
Standard MH
Type ~~A or~~ C
Sta. 5+00.87
MH2
5'
Line No. 2
℄ 20' Utility Easement
Line No. 1
139°56'43"
WILLO ESQUE COURT
Install 340.77 L.F.
8" Pipe
45°00'
Install 2-4" Stubs
and plug SE+E
3
9
8
1
WILLO ESQUE DRIVE
WILLO ESQUE 5th ADDITION
PEC
BM - Chiseled □ on B/C ; W. Side of Willo-Esque Drive ;
67± W. Torabury Lane. Elev. 141.30
SHERIAC CIRCLE
Sta. 0+77.~~87~~
Const. MH4
Standard MH
Type ~~A or~~ C
Install 1-4" Stub
and plug ✓
Sta. 5+00.87, Line No. 1
Sta. 0+00.00, Line No. 2
MH2
109°23'56"
Line No. 2
80°00'
45°00'
Install 1-4" Stub
and plug ✓
Install 77.87 L.F.
8" Pipe
WILLO ESQUE DRIVE
7
10
11
12
WILLO ESQUE COURT
WILLO ESQUE 5th ADDITION
5
SCALE
0 10 20 30 40 50 60 70 80 90 100
PLAN Lat. & Long.
PROFILE: Horiz. same as above
Vertical
5
0
MH2 Top El.=143.5
MH3 Top El.=146.0
MH2 Top El.=143.5
MH4 Top El.=145.0
150
145
140
135
130
125
Existing Ground
Proposed Ground
Existing Ground
IE=133.37
from 4" Stub
IE=133.51
from 2-4" Stubs
IE out=131.70
IE in=131.80
132.20
132.60
133.00
IE=133.17
340.77 LF 8" Pipe
@0.40%
IE out=131.71
IE in=133.00
IE=133.31
77.87 L.F. 8" Pipe
@0.40%
5+00
6
7
8
0+00
1

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

Designed by MDS
Drawn by GD, DP
Job No. 81189-1
Date

CITY OF WICHITA, KANSAS
LATERAL 7, MAIN 6
SOUTHWEST INTERCEPTOR SEWER

LINE NO'S. 1 & 2

WILLO-ESQUE 5th ADDITION
C. OF W. PROJECT NO. 468-76-245-81145-000-000-001

Sht. 4

As Built
11/81