

SANITARY SEWER PLANS WILLOWBEND FIFTH ADDITION

PRIVATE
PROJECT NO.

468-76-245-80001-000-000-127

CITY OF WICHITA, KANSAS

MICHAEL E. LINDEBAK, CITY ENGINEER

AUGUST, 1987

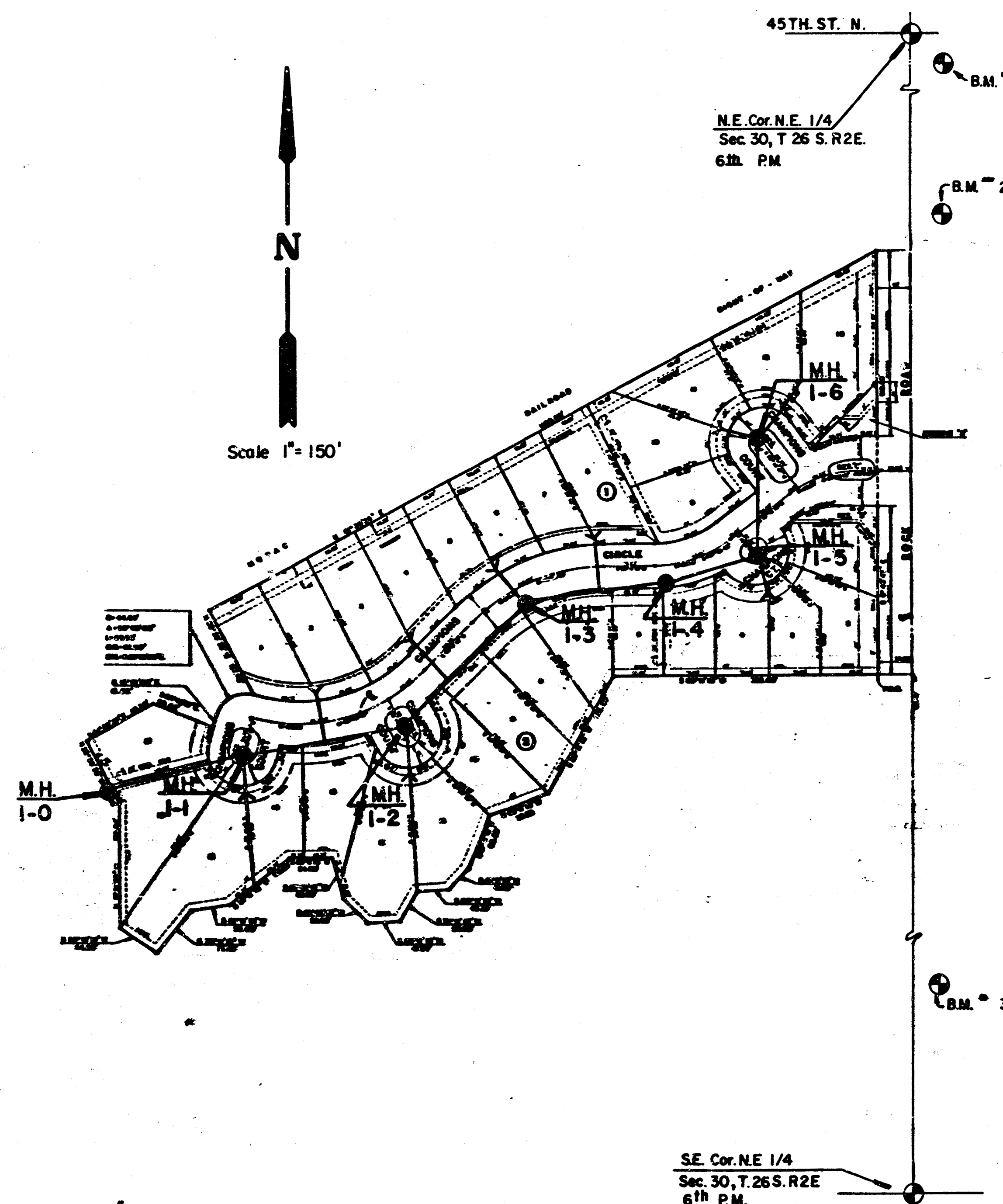
GENERAL NOTES

1. 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.
2. TREES TO BE REMOVED ARE MARKED  ALL TREES WHICH IN THE OPINION OF THE FIELD ENGINEER CAN BE SAVED, SHALL BE SAVED.
3. A PORTION OF EXCESS EXCAVATED MATERIAL SHALL BE MOUND AROUND MANHOLES WHICH EXTEND MORE THAN ONE (1) FOOT ABOVE THE EXISTING GROUND. SUCH MOUNDS SHALL BE CONSTRUCTED WITH A SIX (6) FOOT DIAMETER FLAT TOP WITH 4 TO 1 SIDE SLOPES DOWN TO THE ORIGINAL GROUND. THE ELEVATION OF THE FLAT TOP OF THE MOUND SHALL BE 0.4 FOOT BELOW THE TOP OF THE MANHOLE.
4. EXISTING UTILITIES AND THEIR LOCATIONS, AS SHOWN ON THE PLANS, REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. LOCATION INFORMATION HAS BEEN OBTAINED FROM THE VARIOUS UTILITY COMPANIES AND IS EITHER FROM COMPANY RECORD DRAWINGS OR COMPANY PROVIDED FIELD LOCATIONS. THE PLAN LOCATIONS SHOWN ARE NOT GUARANTEED. ADDITIONAL EXISTING UTILITIES MAY ALSO BE ENCOUNTERED.
5. ALL STUBS AND PLUGGED PIPES SHALL BE LOCATED WITH GREEN PLASTIC TAPE IN THE SAME MANNER AS RISERS.
6. COST OF EXCAVATION, HAULING, AND DUMPING OF EXCESS EXCAVATION SHALL BE SUBSIDIARY TO THE PROJECT.
7. PRIOR TO LAYING SEWER LINES USING EXISTING STUBS IN EXISTING MANHOLES, THE CONTRACTOR SHALL EXPOSE AND VERIFY THE ELEVATION, GAUGE AND ALIGNMENT OF EXISTING STUBS AND NOTIFY THE ENGINEER OF ANY DEVIATION FROM THE PLAN. WHERE CONNECTING TO AN EXISTING MANHOLE THAT DOES NOT HAVE AN EXISTING STUB ON THE STUB IS UNUSABLE DUE TO ELEVATION GRADE OR ALIGNMENT, THE CONTRACTOR SHALL RESHAPE THE EXISTING MANHOLE INVERT TO PROVIDE SMOOTH FLOW. THE COST OF RE-SHAPING EXISTING MANHOLE INVERTS IS INCIDENTAL TO THE PROJECT.
8. CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES PRIOR TO ANY EXCAVATION:

ARKLA GAS COMPANY	942-8350
BELL TELEPHONE	1-316-571-2115
CABLEVISION	262-0661
GAS SERVICE COMPANY	263-7511
KANSAS GAS & ELECTRIC	
KANSAS ONE-CALL	1-800-344-7233
CITIES SERVICE	524-0491
KANSAS GAS SUPPLY	316-254-7243
CONTINENTAL PIPELINE COMPANY	316-681-2081

BENCH MARKS

- B.M. 1 R.R. Spike in W. face Power Pole at S.E. Corner 45th St. & Rock Rd. Elev. 197.93
- B.M. 2 Top of Bolt in Corner Fence Post at S.E. Corner R.R. Rd. and Rock Rd. Elev. 196.16
- B.M. #3 = C = cut on NE corner of Big RCB under Rock Road + 90' N of E Quarter corner section 30, Township 26 South, Range 2 East. Elev. = 186.99



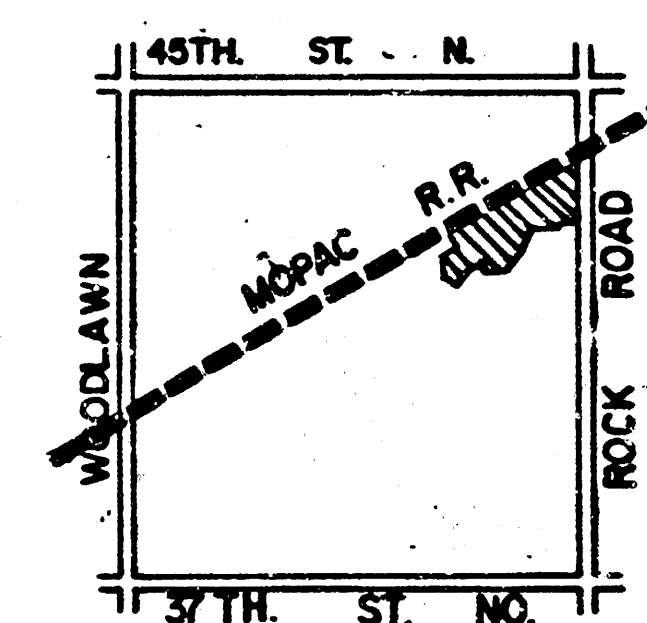
AS NOTED
BY CITY ENGINEER OF WICHITA
City of Wichita
Storm Sewers
Drainage Approaches
Water Mains
Paving

NOTE TO CONTRACTOR

This contract is for construction of sanitary sewer lines and manholes in the Willowbend Fifth Addition, City of Wichita. The contractor shall be responsible for obtaining all necessary permits and for the protection and relocation of all existing utilities. The contractor shall also be responsible for the installation and testing of all new sanitary sewer lines and manholes.

INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	SERVICE LINE HOOK-UP DETAILS
3	LINE 1



LOCATION MAP

AS BUILT - JAN. 1988



WILLOWBEND
FIFTH
SANITARY SEWER
PLANS

MID-KANSAS ENGINEERING CONSULTANTS PA
3500 NORTH ROCK ROAD
BUILDING #800
WICHITA, KANSAS 67226

602-6561

Design: GJA
Drawn by: DSS
Date: Aug. 1987
Sheet: 1 of 3

PLAN	LINE	
------	------	--

SANITARY SEWER PLANS WILLOWBEND FIFTH ADDITION

PRIVATE
PROJECT NO.

468-76-245-80001-000-000-127

CITY OF WICHITA, KANSAS
MICHAEL E. LINDEBAK, CITY ENGINEER
AUGUST, 1987

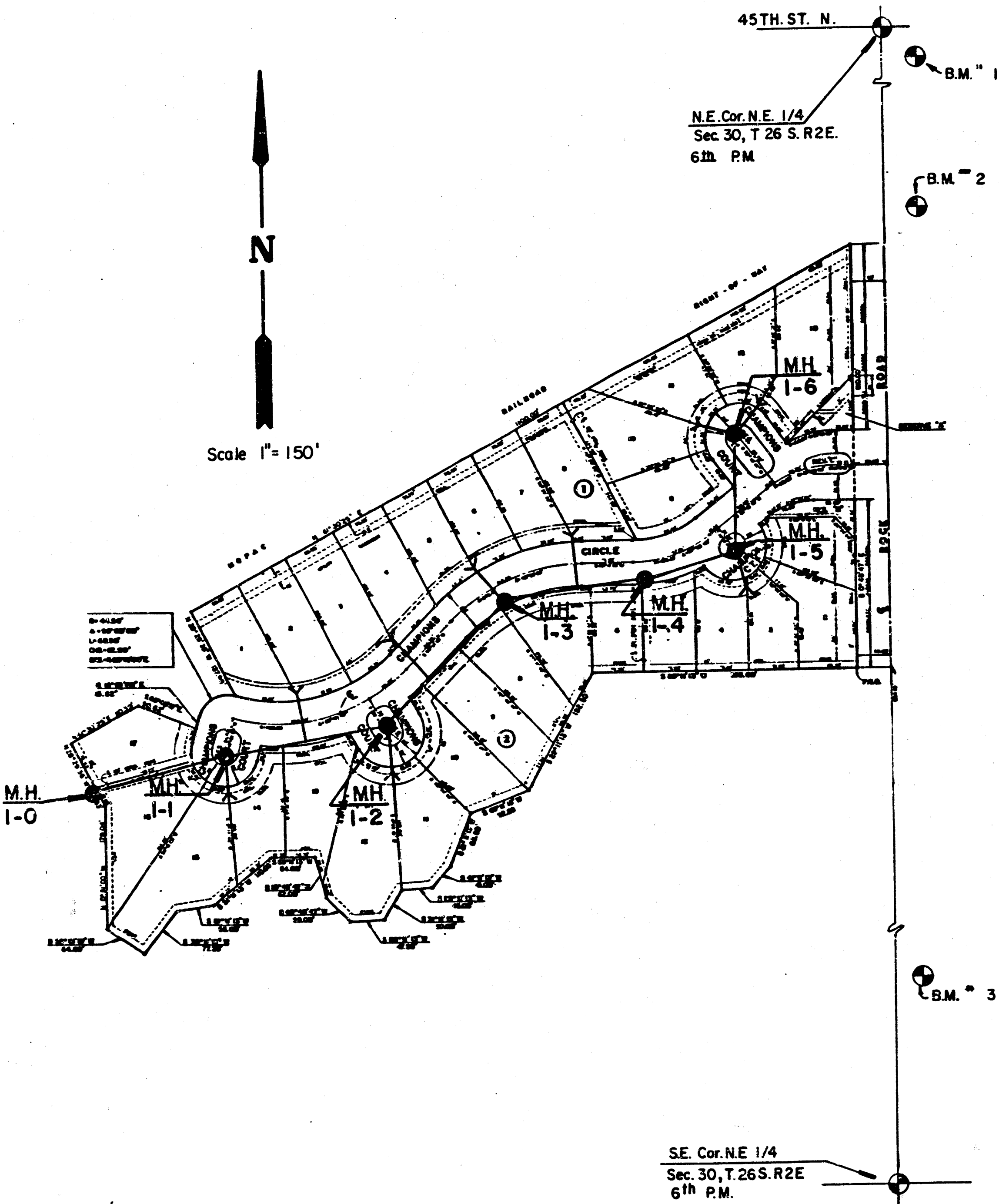
GENERAL NOTES

1. 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.
2. TREES TO BE REMOVED ARE MARKED  ALL TREES WHICH IN THE OPINION OF THE FIELD ENGINEER CAN BE SAVED, SHALL BE SAVED.
3. A PORTION OF EXCESS EXCAVATED MATERIAL SHALL BE MOUNDING AROUND MANHOLES WHICH EXTEND MORE THAN ONE (1) FOOT ABOVE THE EXISTING GROUND. SUCH MOUNDS SHALL BE CONSTRUCTED WITH A SIX (6) FOOT DIAMETER FLAT TOP WITH 4 TO 1 SIDE SLOPES DOWN TO THE ORIGINAL GROUND. THE ELEVATION OF THE FLAT TOP OF THE MOUND SHALL BE 0.4 FOOT BELOW THE TOP OF THE MANHOLE.
4. EXISTING UTILITIES AND THEIR LOCATIONS, AS SHOWN ON THE PLANS, REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. LOCATION INFORMATION HAS BEEN OBTAINED FROM THE VARIOUS UTILITY COMPANIES AND IS EITHER FROM COMPANY RECORD DRAWINGS OR COMPANY PROVIDED FIELD LOCATIONS. THE PLAN LOCATIONS SHOWN ARE NOT GUARANTEED. ADDITIONAL EXISTING UTILITIES MAY ALSO BE ENCOUNTERED.
5. ALL STUBS AND PLUGGED PIPES SHALL BE LOCATED WITH GREEN PLASTIC TAPE IN THE SAME MANNER AS RISERS.
6. COST OF EXCAVATION, HAULING, AND DUMPING OF EXCESS EXCAVATION SHALL BE SUBSIDIARY TO THE PROJECT.
7. PRIOR TO LAYING SEWER LINES USING EXISTING STUBS IN EXISTING MANHOLES, THE CONTRACTOR SHALL EXPOSE AND VERIFY THE ELEVATION, GRADE AND ALIGNMENT OF EXISTING STUBS AND NOTIFY THE ENGINEER OF ANY DEVIATION FROM THE PLAN. WHERE CONNECTING TO AN EXISTING MANHOLE THAT DOES NOT HAVE AN EXISTING STUB OR THE STUB IS UNUSABLE DUE TO ELEVATION GRADE OR ALIGNMENT, THE CONTRACTOR SHALL RESHAPE THE EXISTING MANHOLE INVERT TO PROVIDE SMOOTH FLOW. THE COST OF RE-SHAPING EXISTING MANHOLE INVERTS IS INCIDENTAL TO THE PROJECT.
8. CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES PRIOR TO ANY EXCAVATION:

ARKLA GAS COMPANY 942-8350
BELL TELEPHONE 1-316-571-2115
CABLEVISION 262-0861
GAS SERVICE COMPANY 263-7511
KANSAS GAS & ELECTRIC 1-800-344-7233
KANSAS ONE-CALL 524-0491
CITIES SERVICE 316-254-7243
KANSAS GAS SUPPLY 316-681-2081
CONTINENTAL PIPELINE COMPANY

BENCH MARKS

- B.M. 1 R.R. Spike in W. face Power Pole at S.E. Corner 45th St. N. & Rock Rd. Elev. 197.93
- B.M. 2 Top of Bolt in Corner Fence Post at S.E. Corner R.R. ROW and Rock Rd. Elev. 196.16
- B.M. #3  cut on NE corner of Big RCB under Rock Road + 900' N of E Quarter corner section 30, Township 26 South, Range 2 East. Elev. = 186.99



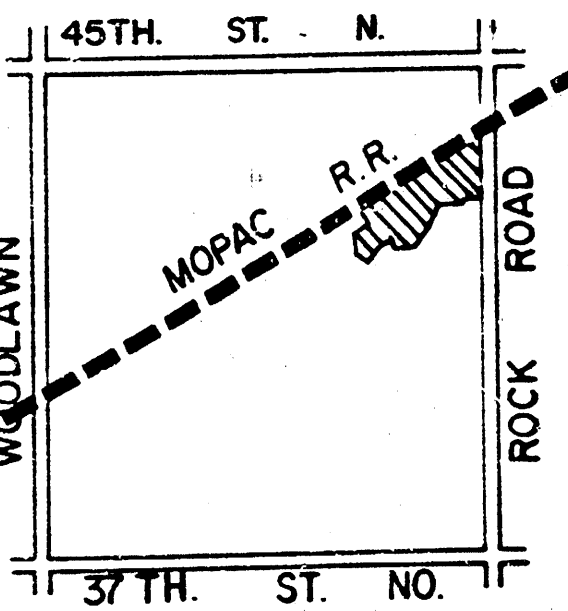
INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	SERVICE LINE HOOK-UP DETAILS
3	LINE 1

AS NOTED
CITY OF WICHITA
9/28/87

Approaches _____
Drains _____
Notes _____

NOTE TO CONTRACTOR
This plan was prepared by the City of Wichita, Kansas, and is for the use of the City of Wichita, Kansas. It is not to be used for any other purpose without the written consent of the City of Wichita, Kansas.



LOCATION MAP

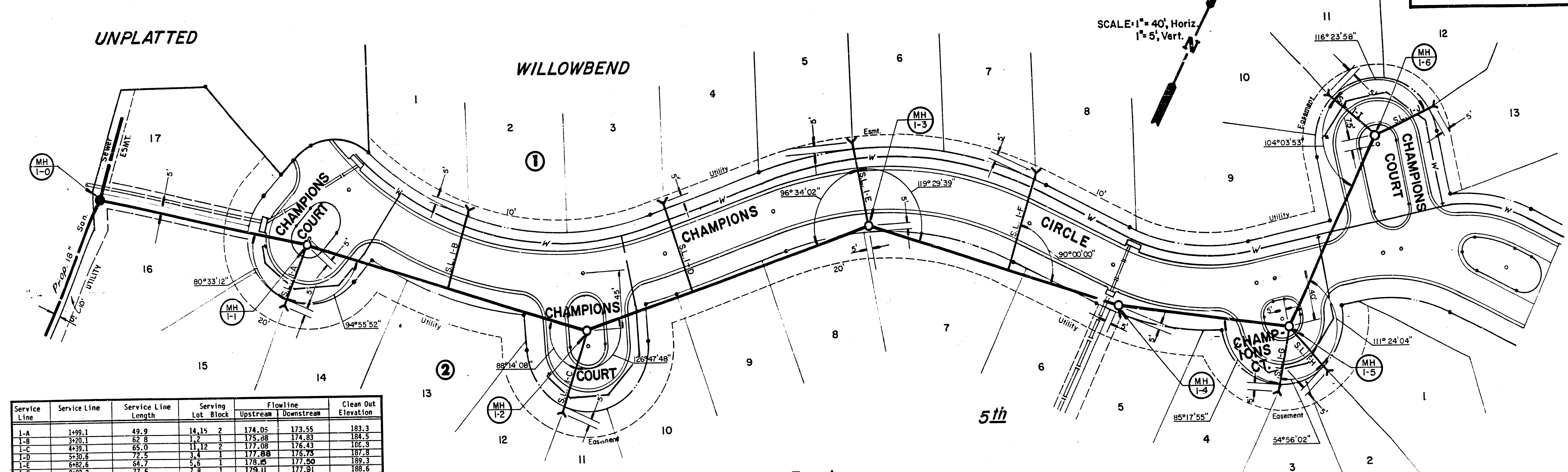


	WILLOWBEND FIFTH SANITARY SEWER PLANS		Design G. J. A.
			Drawn by
			Checked by DSS
			Date Aug., 1987
MID-KANSAS ENGINEERING CONSULTANTS PA 3500 NORTH ROCK ROAD BUILDING #800 WICHITA, KANSAS 67226			Sheet 1 of 3

UNPLATTED

WILLOWBEND

SCALE: 1" = 40', Horiz.
1" = 5', Vert.



Service Line	Service Line Length	Serving Lot Block	Flowline Upstream	Flowline Downstream	Clean Out Elevation
1-A	1499.1	49.9	14.15	2	174.05
1-B	320.1	62.8	1.2	1	175.88
1-C	443.1	65.0	11.12	2	177.08
1-D	530.6	72.5	3.4	1	177.88
1-E	648.6	84.7	5.6	1	178.15
1-F	842.2	77.5	7.8	1	179.11
1-G	1036.5	49.1	3.4	2	179.98
1-H	1036.5	45.6	1.2	2	179.95
1-I	1199.5	48.9	10.11	1	180.96
1-J	1199.5	52.9	12.13	1	181.00

PLAN LINE 1

PROFILE LINE 1

