

PRIVATE SANITARY SEWER PLANS FOR BERKSHIRE APARTMENTS PRIVATE PROJECT NO. 468-76-245-80001-000-000-203

CITY OF WICHITA, KANSAS
MICHAEL E. LINDEBAK, CITY ENGINEER
INDEX CODE 607903

GENERAL NOTES

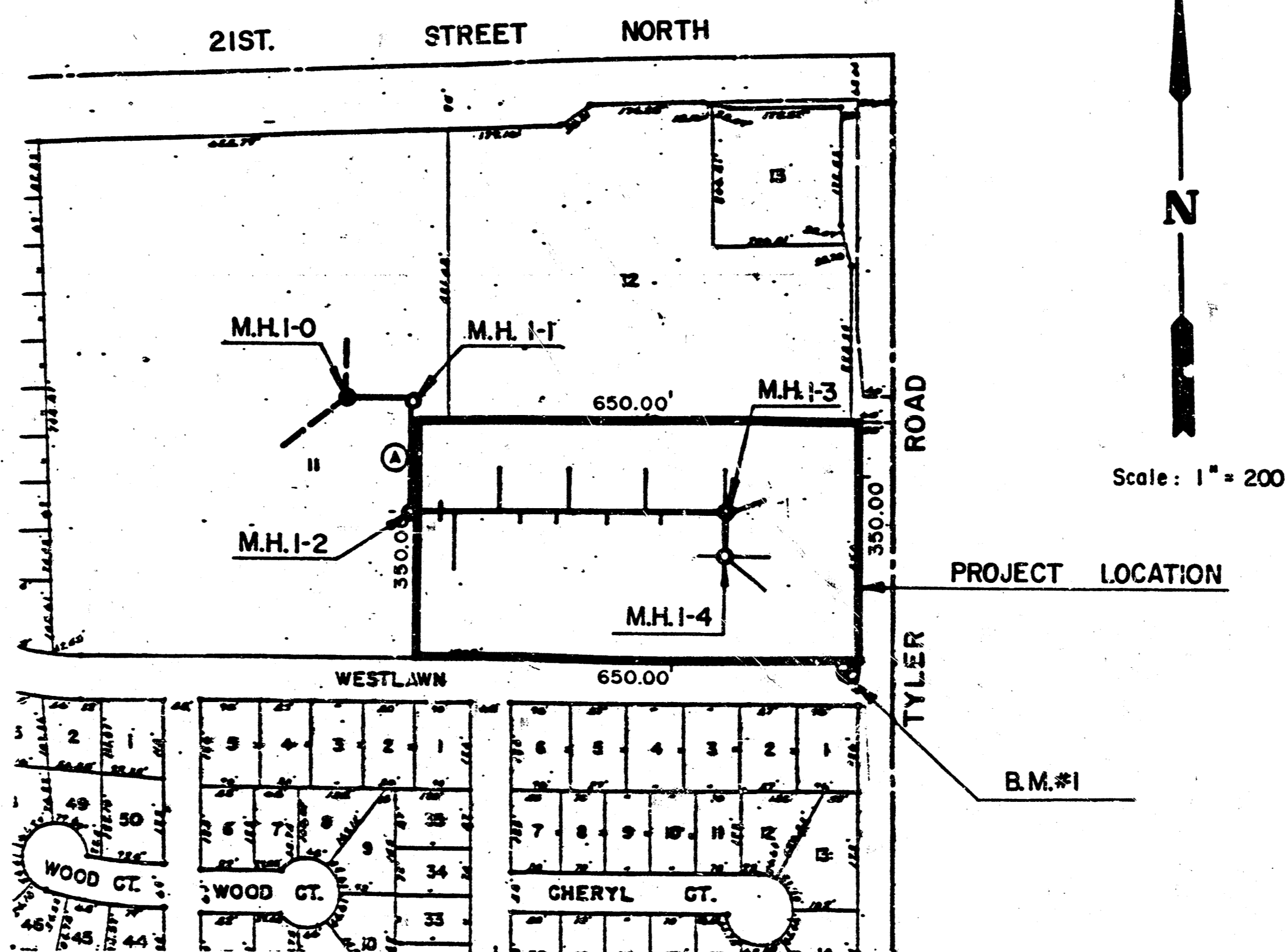
1. ALL CONSTRUCTION AND MATERIALS TO COMPLY WITH CITY OF WICHITA SPECIFICATIONS AND STANDARDS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR SHALL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR IN ACCORDANCE WITH STATE LAWS.
3. A PORTION OF EXCESS EXCAVATED MATERIAL SHALL BE MOUNDED 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. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE A MINIMUM ADVANCE NOTICE OF TWENTY-FOUR (24) HOURS TO UTILITY AND PIPELINE COMPANIES PRIOR TO STARTING ANY EXCAVATION AS FOLLOWS:

KANSAS ONE-CALL 1-800-344-7233

THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF AN EMERGENCY:

ARKLA GAS COMPANY	942-8350 or 263-8161
SOUTHWESTERN BELL TELEPHONE COMPANY	1-316-1-571-2611
CABLEVISION	262-4270 or 262-2061
KPL GAS SERVICE COMPANY	263-7511
KANSAS GAS & ELECTRIC	264-1141
CITY OF WICHITA WATER DEPARTMENT	265-4908
CITY OF WICHITA SEWER MAINTENANCE	268-4071

5. 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.
6. ALL STUBS AND PLUGGED PIPES SHALL BE LOCATED WITH GREEN PLASTIC TAPE IN THE SAME MANNER AS RISERS.
7. COST OF EXCAVATION, HAULING, AND DUMPING OF EXCESS EXCAVATION SHALL BE SUBSIDIARY TO THE PROJECT.
8. 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 RESHAPING EXISTING MANHOLE INVERTS IS INCIDENTAL TO THE PROJECT.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CONTINUOUS FLOW FOR SEWAGE THROUGH CONSTRUCTION. CONTRACTOR'S PROPOSED METHOD FOR MAINTAINING SEWAGE FLOW SHALL BE APPROVED BY THE ENGINEER. COST OF MAINTAINING SEWAGE FLOW THROUGH CONSTRUCTION SHALL BE CONSIDERED SUBSIDIARY TO THE OTHER ITEMS OF WORK.
10. PIPE CONNECTION AT EXISTING MANHOLE: BREAK INTO MANHOLE CAREFULLY SUCH THAT THE STRUCTURAL INTEGRITY OF MANHOLE WILL NOT BE IMPAIRED. ALL REPAIR WORK NECESSARY TO CLOSE THE OPENING MADE AND TO INSTALL THE NEW 8 IN. PIPE SHALL CONFORM TO THE REQUIREMENTS FOR NEW CONSTRUCTION. WATER STOP GASKET/RING SHALL BE USED ON PVC PIPE CONNECTION TO PREVENT LEAKAGE. THE FLOOR OF THE MANHOLE SHALL BE REPAIRED AND MODIFIED SO THAT A SMOOTH CHANNEL WILL BE FORMED FROM INLET PIPE TO OUTLET PIPE, AND THE MANHOLE WILL BE SELF-CLEANING AND FREE OF AREAS WHERE SOLIDS COULD BE DEPOSITED AS SEWAGE FLOWS THROUGH THE STRUCTURE. ALL COSTS FOR COMPLETING THIS WORK SHALL BE CONSIDERED SUBSIDIARY TO OTHER ITEMS OF WORK.
11. AT SANITARY SEWER LINE (INCLUDING SERVICE LINES) AND WATER LINE CROSSINGS, THE SEWER LINE SHALL BE CONCRETE ENCASED FOR 10 FT. EACH WAY FROM THE WATERLINE, UNLESS THE SEWER LINE HAS 2 FT. OR MORE CLEARANCE BELOW THE WATER LINE. PLACEMENT OF CONCRETE ENCASEMENT SHALL BE COORDINATED WITH THE WATER LINE INSTALLATION.
12. ALL ELEVATIONS SHOWN ARE CITY OF WICHITA DATUM.
CITY DATUM = USGS MSL - 1187.4
13. AT SANITARY SERVICE LINE (SL1-3) AND STORM WATER SEWER CROSSING, THE SERVICE LINE SHALL BE CONCRETE ENCASED 5 FT. EACH WAY FROM THE STORM SEWER. PLACEMENT OF CONCRETE ENCASEMENT SHALL BE COORDINATED WITH STORM SEWER INSTALLATION.



INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	LINE 1

APPROVED AS NOTED
By CITY ENGINEER OF WICHITA
Sanitary Sewer *2/10/89*
Storm Sewer _____
Driveway Approaches _____
Water Mains _____

REQUIRED CONTRACTOR
INSPECTION AND TESTING FOR THIS PROJECT IS TO BE PROVIDED BY A LICENSED SURVEYING ENGINEERING FIRM UNDER AGREEMENT WITH THE OWNER/DEVELOPER. SAID INSPECTION TO BE IN ACCORDANCE WITH THE CITY OF WICHITA STANDARD CONSTRUCTION ENGINEERING PRACTICES AND CERTIFIED BY A LICENSED PROFESSIONAL ENGINEER. NO "JOB" SHALL BE PERFORMED IN DEDICATED BASEMENTS OR THE PUBLIC RIGHT-OF-WAY BY THE CONTRACTOR WITHOUT SUCH INSPECTION WORK. SHALL ANY WORK BE COMMENCED IN DEDICATED BASEMENTS OR PUBLIC RIGHT-OF-WAY WITHOUT WRITTEN APPROVATION BY THE CITY ENGINEER.

BENCHMARKS

B.M.#1 B.M. "□" Cut on Top of Curb, North Side
Westlawn, 62' West of E. Tyler.
Elev. = 167.66

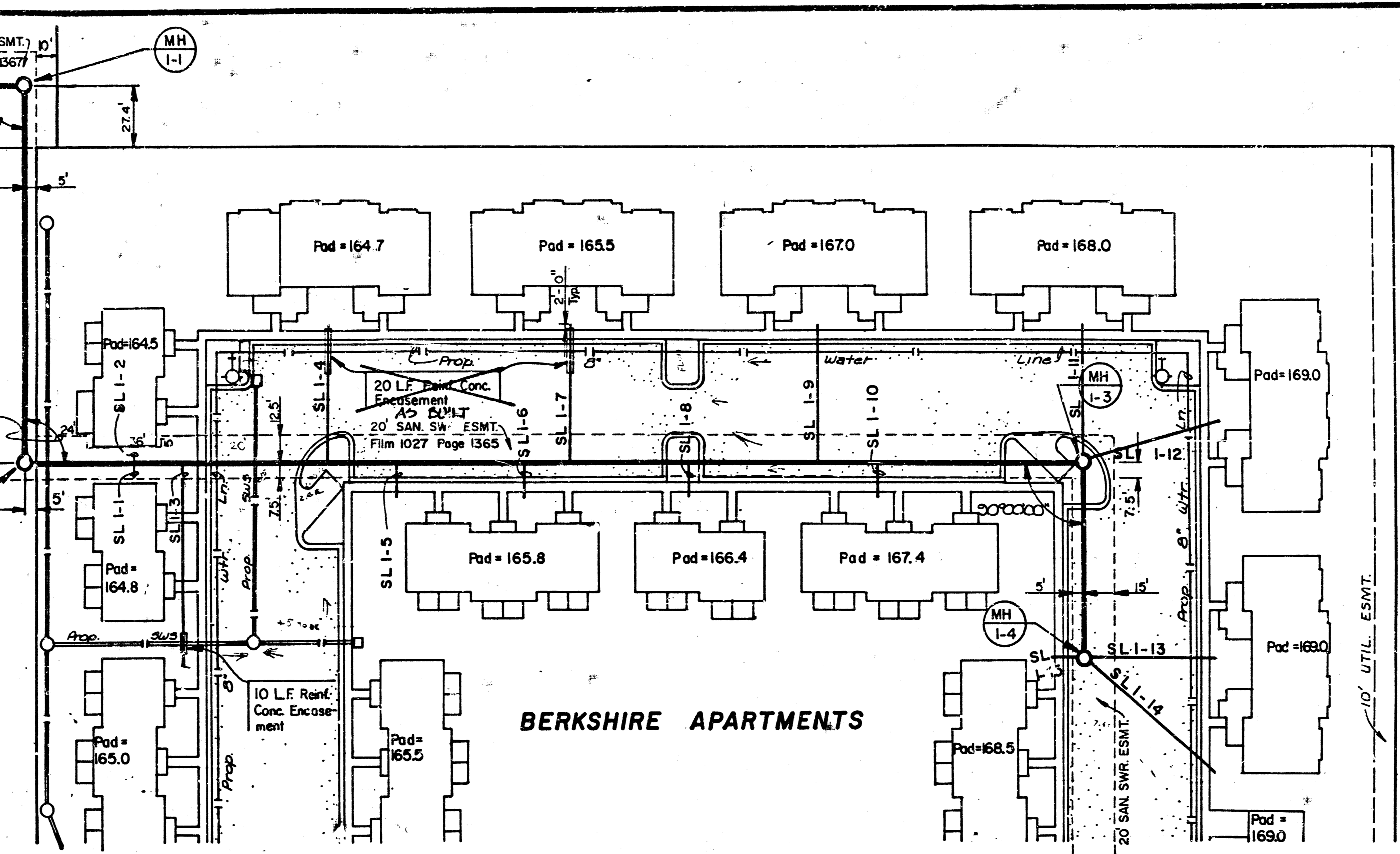
AS BUILT - MAY 1, 1989

ME	BERKSHIRE APARTMENTS PRIVATE SANITARY SEWER PLANS	Design _____
		Drawn by _____
		Checked by _____
		Date _____
		Job no. _____
MID-KANSAS ENGINEERING CONSULTANTS PA 3500 NORTH ROCK ROAD BUILDING #800 WICHITA, KANSAS 67226		Sheet 1 of 2
636-5566		

FILMED FROM THE BEST
AVAILABLE COPY

4 inch Service Line Connections

Serv. Line No.	Sewer Main Sta.	Length (ft)	Slope (%)	Flowline Elev. Downstream	Flowline Elev. Upstream
1-1	3+45	5	5.00	155.92	156.17
1-2	3+45	5	5.00	155.92	156.17
1-3	3+45	90	2.08	156.00	157.08
1-4	4+35	63	2.08	156.28	157.91
1-5	4+70	15	4.50	156.42	157.10
1-6	5+30	15	5.00	156.66	157.41
1-7	5+50	63	2.08	156.74	160.95
1-8	6+10	15	5.00	156.98	157.73
1-9	6+70	63	2.08	157.22	160.63
1-10	7+00	15	5.00	157.34	158.09
1-11	7+95	63	2.46	157.78	159.27
1-12	7+95	67	4.07	157.78	160.96
1-13	8+83	62	4.96	159.64	160.93
1-14	8+83	80	4.22	159.46	161.12
1-15	8+83	16	2.08	162.66	162.89

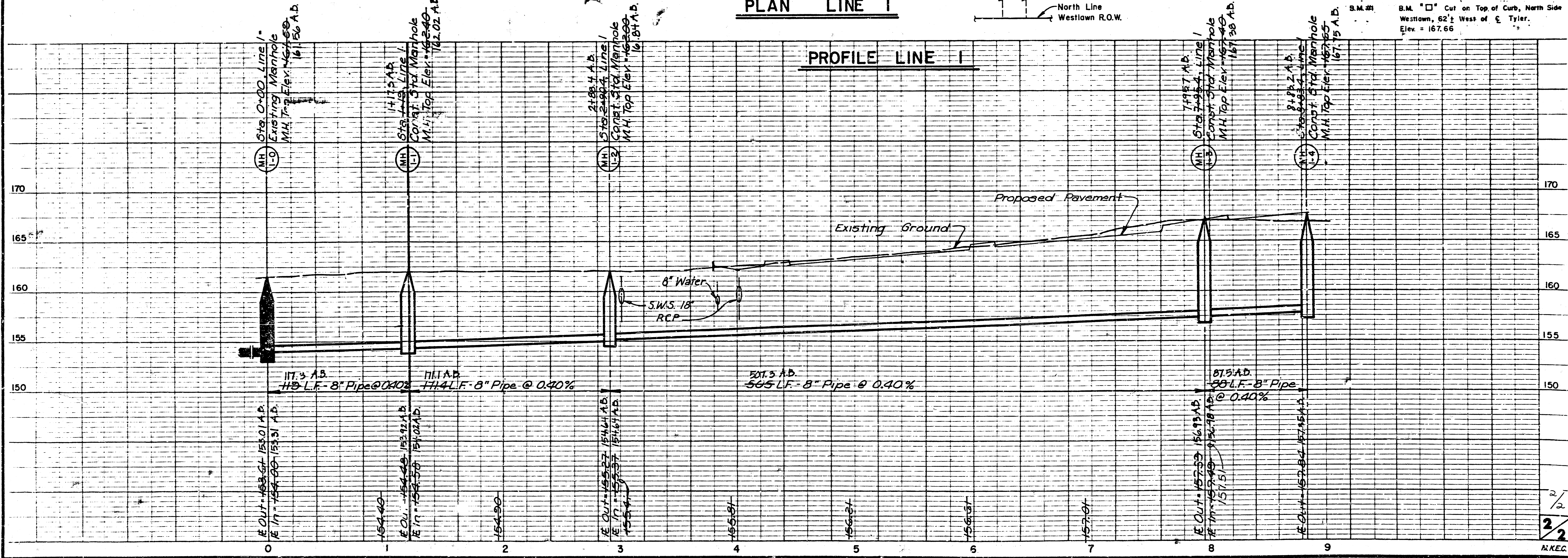


Scale: 1" = 40' Horiz.
1" = 5' Vert.

AS BUILT - MAY 1, 1989

PLAN LINE I

PROFILE LINE I



B.M. #1 B.M. "□" Cut on Top of Curb, North Side Westlawn, 62' West of E. Tyler. Elev = 167.66

FILMED FROM THE BEST AVAILABLE COPY