

## BENCH MARK LIST

|          |                                                                                                                                 |                |
|----------|---------------------------------------------------------------------------------------------------------------------------------|----------------|
| BM NO. 1 | - CHISELED "C" ON THE SOUTHEAST CORNER OF HEADWALL OF RCB ON THE WEST SIDE MAIZE ROAD AT CENTERLINE OF MILLPOND.                | ELEV. = 134.16 |
| BM NO. 3 | - CITY OF WICHITA DISC AT THE NORTHEAST CORNER OF THE COWSKIN CREEK BRIDGE AT MAIZE ROAD APPROXIMATELY 1/2 MILE NORTH OF MAPLE. | ELEV. = 137.71 |
| BM NO. 4 | - NORTH RIM SANITARY SEWER MH APPROXIMATELY 290' WEST OF CENTERLINE MAIZE ROAD AND 40' SOUTH OF THE COWSKIN CREEK BRIDGE.       | ELEV. = 137.26 |
| BM NO. 5 | - NORTH RIM SANITARY SEWER MH APPROXIMATELY 490' WEST OF CENTERLINE MAIZE ROAD AND 40' SOUTH OF THE COWSKIN CREEK BRIDGE.       | ELEV. = 141.93 |

## GENERAL NOTES

- ALL CONSTRUCTION AND MATERIALS TO COMPLY WITH CITY OF WICHITA SPECIFICATIONS AND STANDARDS.
- ALL ELEVATIONS SHOWN ARE CITY OF WICHITA DATUM (USGS-1187.4 = CITY DATUM).
- THE CONTRACTOR SHALL LIMIT THE EXTENT OF TRENCH TO REMAIN OPEN OVERNIGHTS AND WEEKENDS TO LESS THAN 50 FEET.
- AT LEAST 48 HOURS PRIOR TO BEGINNING EXCAVATION (EXCLUDING WEEKENDS AND HOLIDAYS), THE CONTRACTOR SHALL CONTACT THE KANSAS ONE-CALL SYSTEM, A UTILITY LOCATION SERVICE, AT (316) 687-2470 TO REQUEST THE FOLLOWING UTILITY COMPANIES TO LOCATE ANY EXISTING LINES WITHIN THE PROJECT AREA: GAS SERVICE COMPANY, K.G. & ..., THE WICHITA WATER DEPARTMENT, AND AIR CAPITAL CABLEVISION.
- THE CONTRACTOR MUST ALSO NOTIFY THE TELEPHONE COMPANY AT (316) 571-2115 48 HOURS PRIOR TO BEGINNING EXCAVATION AND REQUEST THAT ANY LINES WITHIN THE PROJECT AREA BE FLAGGED.
- THE BURIED UTILITIES AS LOCATED ON THE PLANS ARE APPROXIMATE LOCATIONS ONLY. IT SHOULD BE NOTED THAT OTHER BURIED LINES AND CABLES MAY EXIST WHICH ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION DURING TRENCHING OPERATIONS TO AVOID DAMAGING THESE LINES. ANY LINES DAMAGED SHALL BE REPLACED OR REPAIRED IMMEDIATELY AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL RESTORE ALL DITCHES, SWALES, ROAD SHOULDERS, ENTRANCES, AND BANK LINES TO THEIR ORIGINAL SLOPES AND GRADES EXCEPT AS SHOWN OTHERWISE ON THE EASEMENT GRADING PLAN.
- 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.
- ALL EXCESS EXCAVATED MATERIAL FROM THIS PROJECT SHALL BE WASTED ON SITE. NO EXCESS MATERIAL SHALL BE PLACED WITHIN STREET RIGHTS-OF-WAY. THE CONTRACTOR SHALL CONTACT THE DEVELOPER FOR INFORMATION PERTAINING TO ACCEPTABLE LOCATIONS FOR THE DISPOSITION OF WASTE MATERIAL. WASTE MATERIAL SHALL BE BLADED SMOOTH AND SLOPED TO DRAIN. THIS WORK SHALL BE SUBSIDIARY TO OTHER BID ITEMS.
- WHERE CONNECTION TO AN EXISTING SEWER IS REQUIRED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CONTINUOUS FLOW OF SANITARY SEWAGE THROUGH CONSTRUCTION. CONTRACTOR'S PROPOSED METHOD FOR MAINTAINING FLOW SHALL BE APPROVED BY THE ENGINEER. COST OF MAINTAINING FLOW THROUGH CONSTRUCTION WILL NOT BE PAID FOR DIRECTLY AND THIS COST SHALL BE CONSIDERED AS SUBSIDIARY TO THE OTHER ITEMS OF WORK.
- CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM ALL MANHOLE COVERS.
- CONTRACTOR SHALL INSTALL TEE SADDLES AND RISERS AS SHOWN ON THE "RISER LOCATION TABLE". THE PROJECT INSPECTOR SHALL REPORT ON INSPECTOR CARDS THE LOCATION OF ALL RISERS CONSTRUCTED AS MEASURED FROM THE NEAREST MANHOLE, THE DIRECTION OF SERVICE, THE ELEVATION OF THE TOP OF THE RISER, AND THE PAY QUANTITIES INVOLVED. THE PROJECT INSPECTOR SHALL ALSO REPORT ON INSPECTOR CARDS THE LOCATION, DIRECTION OF SERVICE, AND SIZE OF ALL STUBS INSTALLED IN MANHOLES.
- 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.
- CONTRACTOR SHALL GRADE THE SANITARY SEWER ALIGNMENT TO THE PROFILE AND ELEVATIONS SHOWN ON THE EASEMENT GRADING PLAN. THE CONTRACTOR SHOULD VISIT THE SITE TO DETERMINE THE EXTENT OF EXISTING GRADING PRIOR TO PREPARATION OF HIS BID. ALL COSTS FOR GRADING SHALL BE SUBSIDIARY TO THE PROJECT.

## BENEFIT DISTRICT

Lots 1-11 inclusive, Block 9  
 Lots 1-7 & 15-18 inclusive, Block 10  
 Lots 7-15 inclusive, Block 12

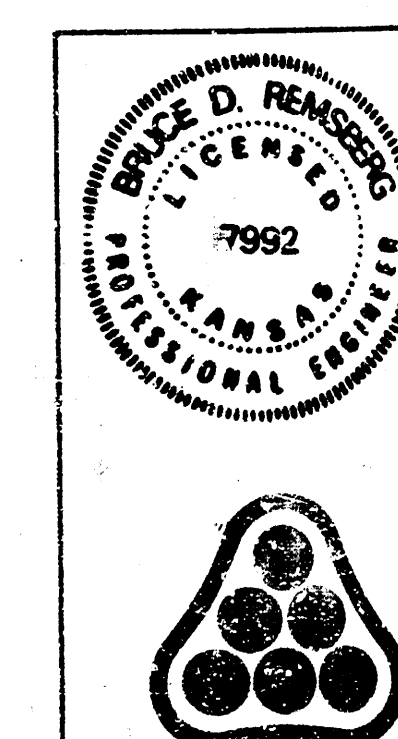
| LINE     | SCHEDULE  |
|----------|-----------|
| Line No. | Sheet No. |
| 1        | 4         |
| 2        | 5         |
| 3        | 5         |
| 4        | 6         |
| 5        | 6         |

## RISER LOCATION TABLE

| TEE SADDLE LOCATION |         |           |         |           | RISER PIPE |
|---------------------|---------|-----------|---------|-----------|------------|
| LINE NO.            | STATION | BLOCK NO. | LOT NO. | DIRECTION | (L.F.)     |
| 1                   | 0+70    | 9         | 11      | Right     | 7.0        |
| 5                   | 0+29    | 10        | 18      | Left      | 5.0        |
| 5                   | 1+09    | 10        | 17      | Left      | 5.0        |
| 5                   | 1+59    | 10        | 16      | Left      | 5.0        |
| 5                   | 2+19    | 10        | 15      | Left      | 5.0        |

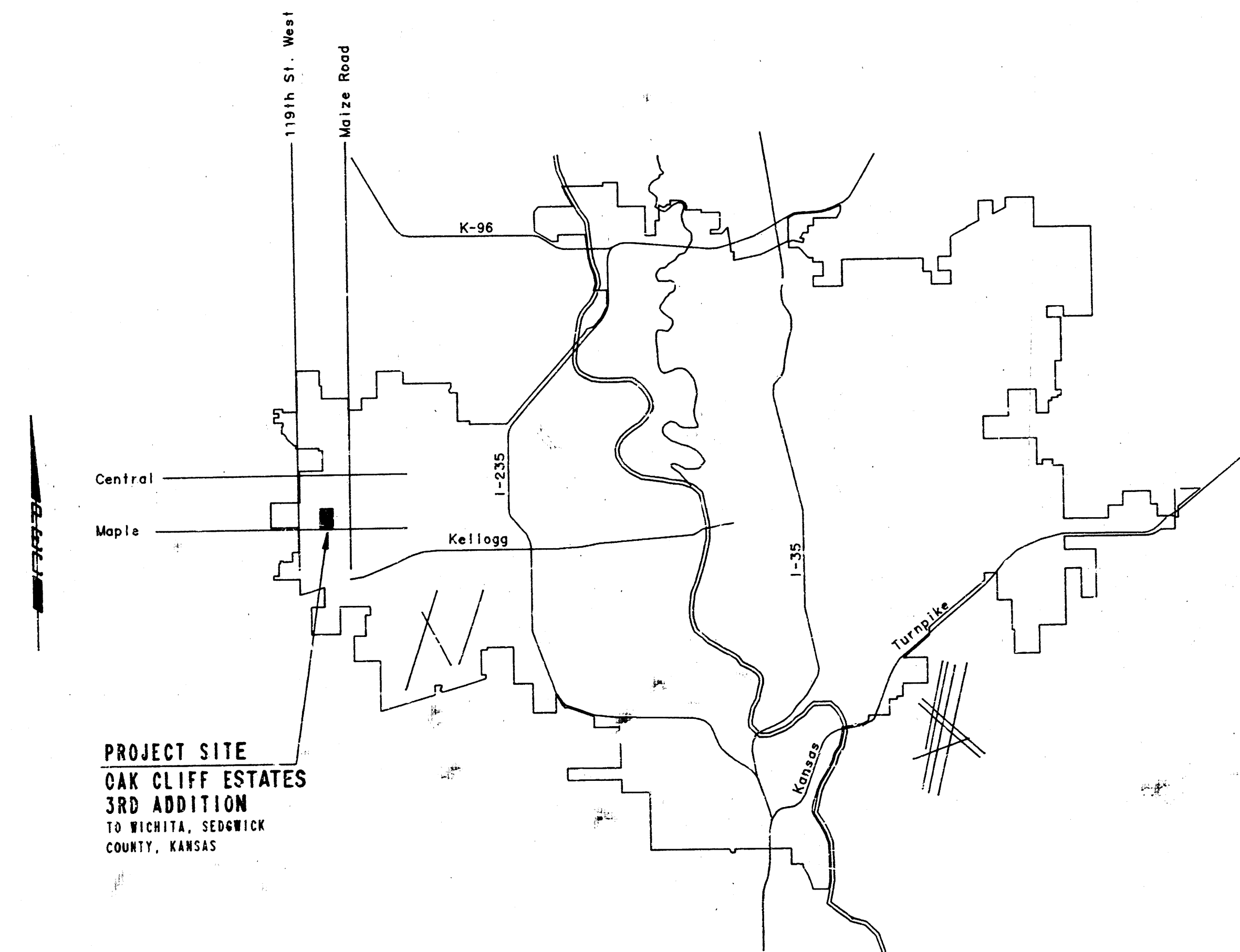
Scale: 1" = 100'

Bench Mark - Maize Road and Maple,  
 City of Wichita bench mark,  
 disc, 43.5' south and 52.7'  
 east of 6+ both  
 El. = 133.20 City Datum



|                                                                                                                                                                                         |          |         |           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|-----------|
| No.                                                                                                                                                                                     | Revision | By      | Date      |
| <b>LATERAL 194 OF THE<br/>         SOUTHWEST INTERCEPTOR SEWER<br/>         KEY MAP</b>                                                                                                 |          |         |           |
| MICHAEL E. LINDEBAK, PE, CITY ENGINEER<br>CITY OF WICHITA PROJECT NO. 468-76-245-81413-000-000-001<br><b>PROFESSIONAL ENGINEERING CONSULTANTS, P.A.</b><br>ENGINEERS<br>WICHITA, KANSAS |          |         |           |
| Designed by                                                                                                                                                                             | BDR, RFJ | Job No. | 85145-2   |
| Drawn by                                                                                                                                                                                | DM, GM   | Date    | June 1985 |
|                                                                                                                                                                                         |          | Sht.    | 2 / 6     |

CONSTRUCTION PLANS FOR  
LATERAL 194  
OF THE  
SOUTHWEST INTERCEPTOR SEWER  
THE CITY OF WICHITA,  
SEDGWICK COUNTY, KANSAS  
MICHAEL E. LINDEBAK, P.E. CITY ENGINEER



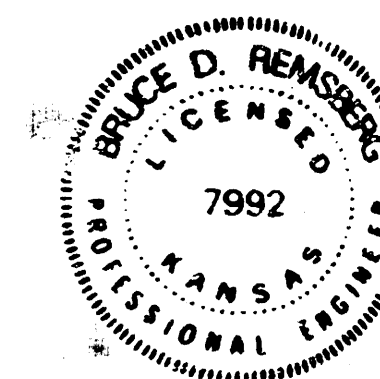
As Built  
J.L.L.  
11-85

LOCATION MAP

CITY OF WICHITA PROJECT NO. 468-76-245-81413-000-000-001

MAY, 1985

PLANS PREPARED BY  
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.  
ENGINEERS  
WICHITA, KANSAS

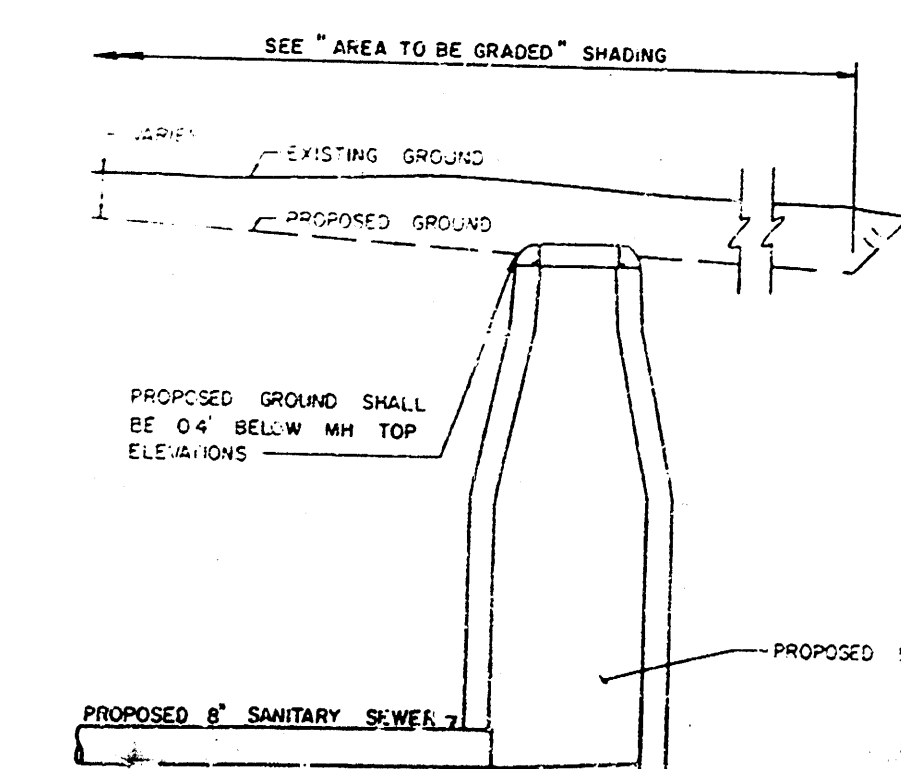
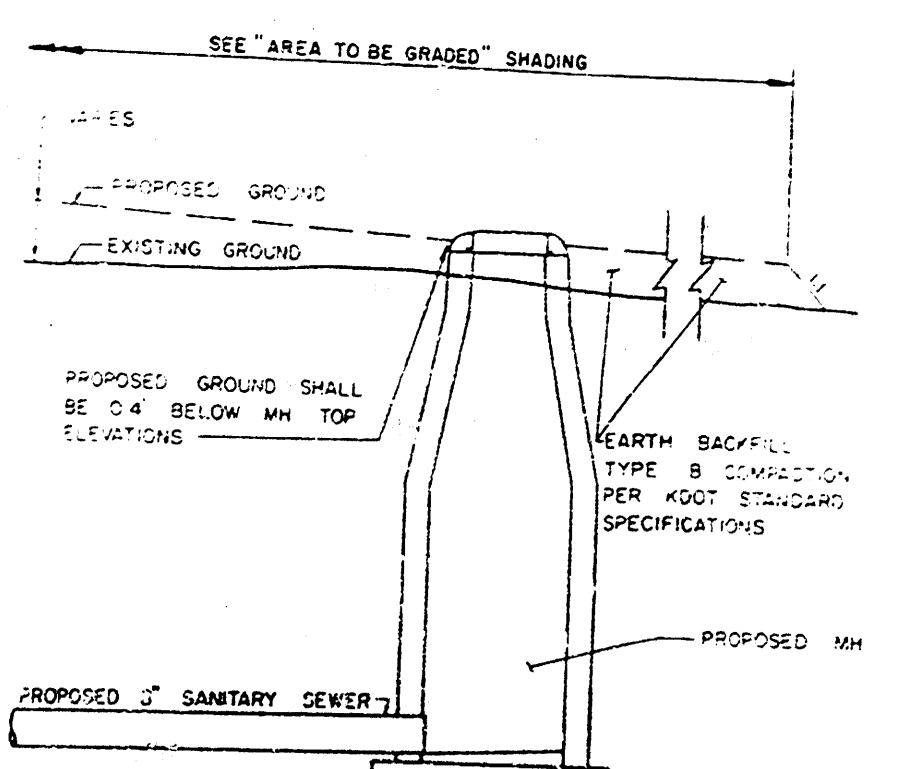
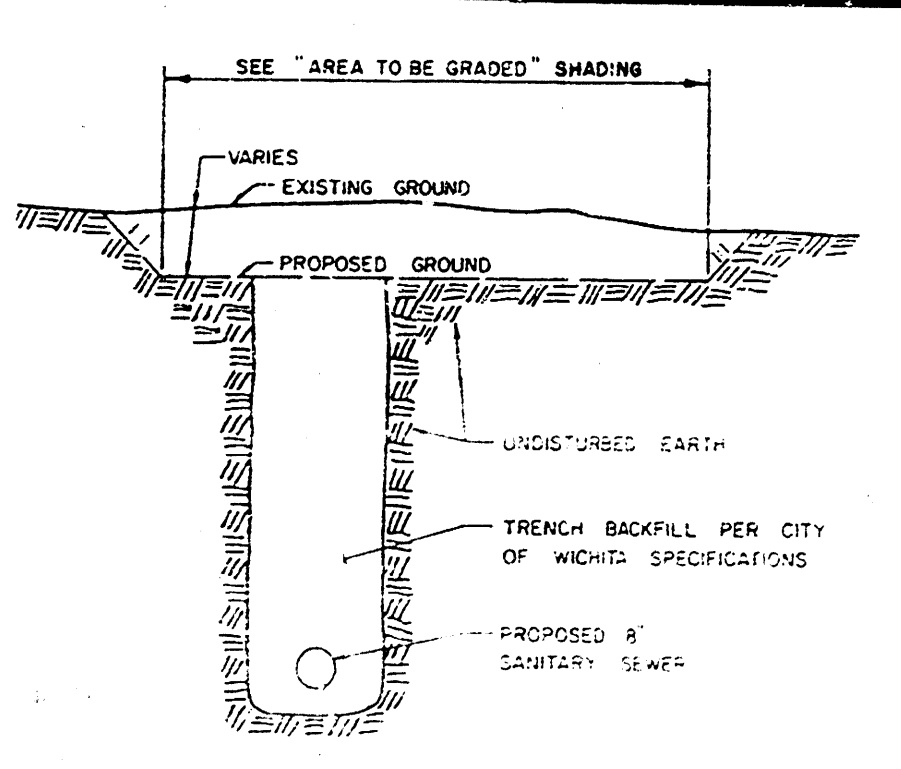
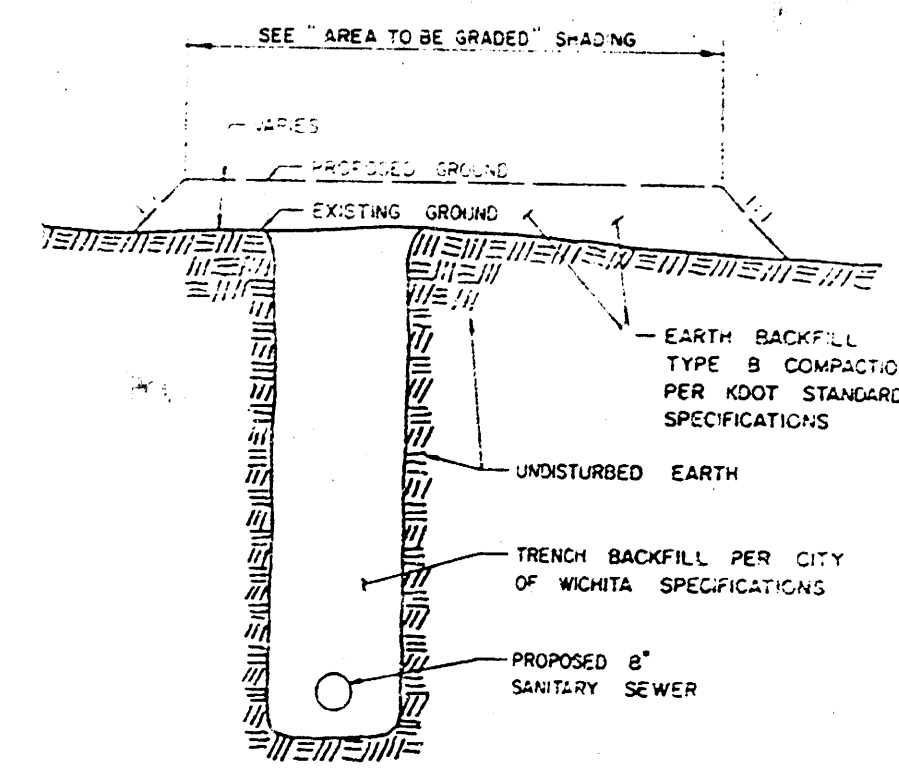
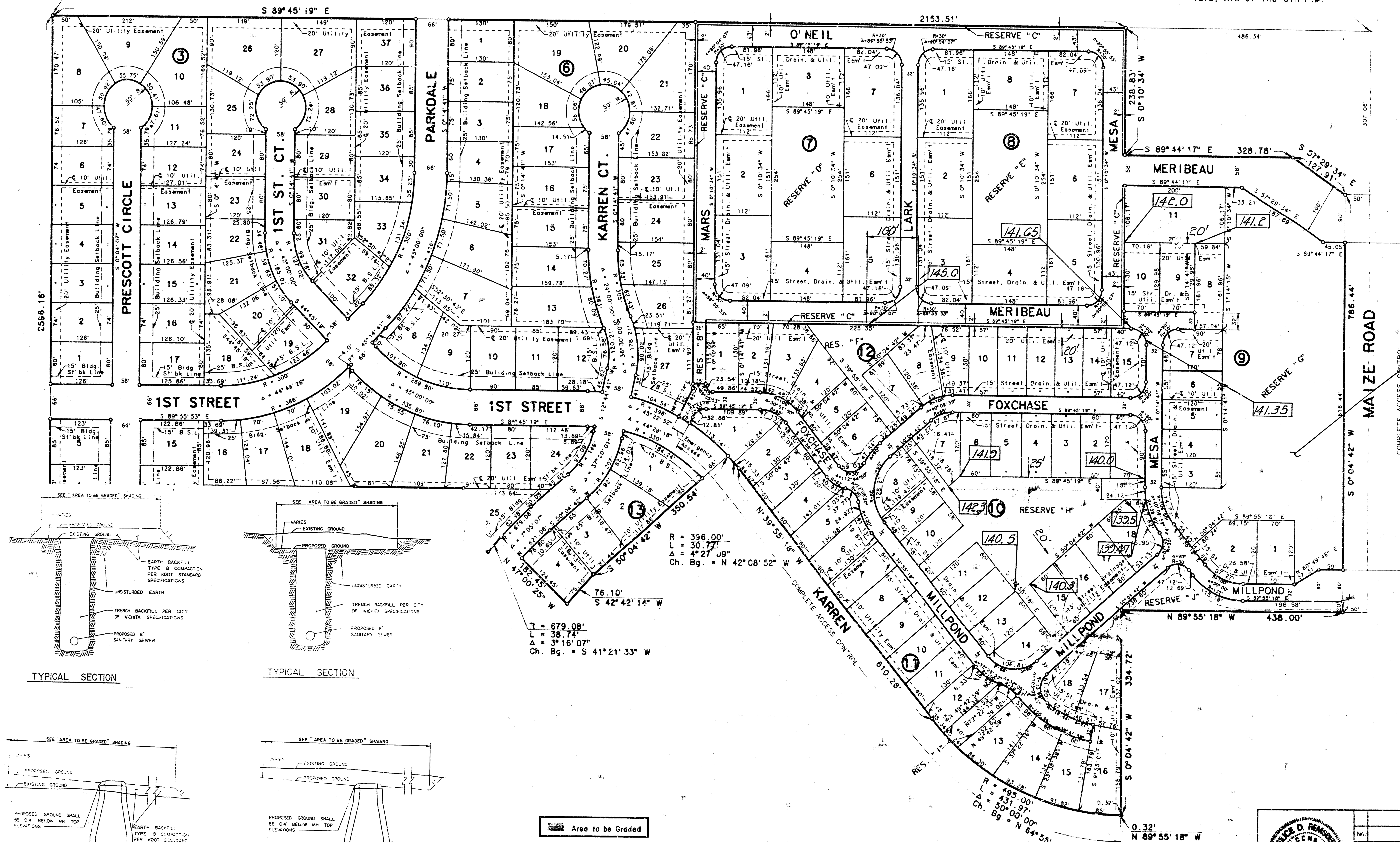


# OAK CLIFF ESTATES 3RD ADDITION

TO WICHITA, SEDGWICK COUNTY, KANSAS

NW Cor., SE 1/4, Sec. 19,  
T27S, R1W of the 6th P.M.

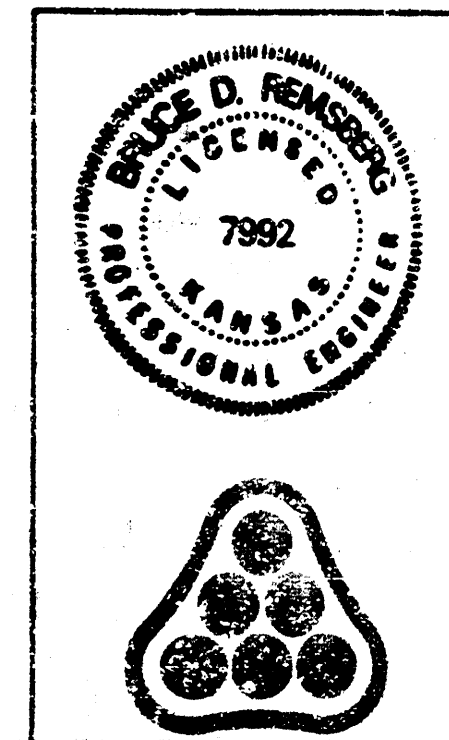
NE Cor., SE 1/4, Sec. 19,  
T27S, R1W of the 6th P.M.



"FILL" SITUATIONS

"CUT" SITUATIONS

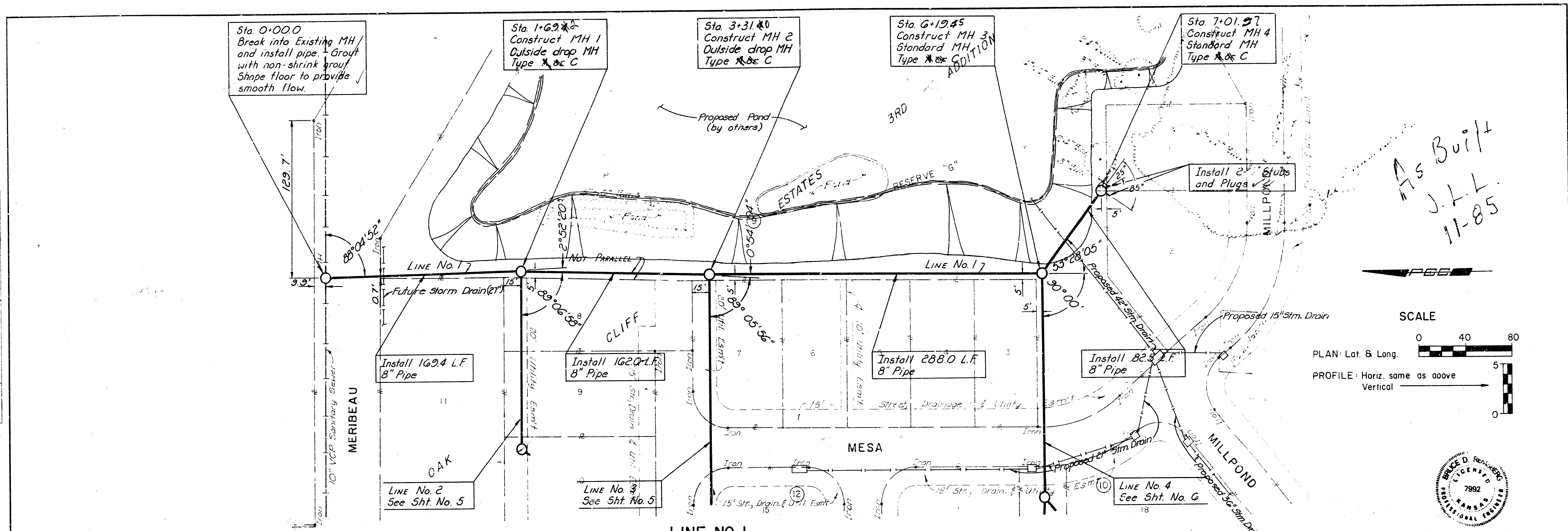
Area to be Graded



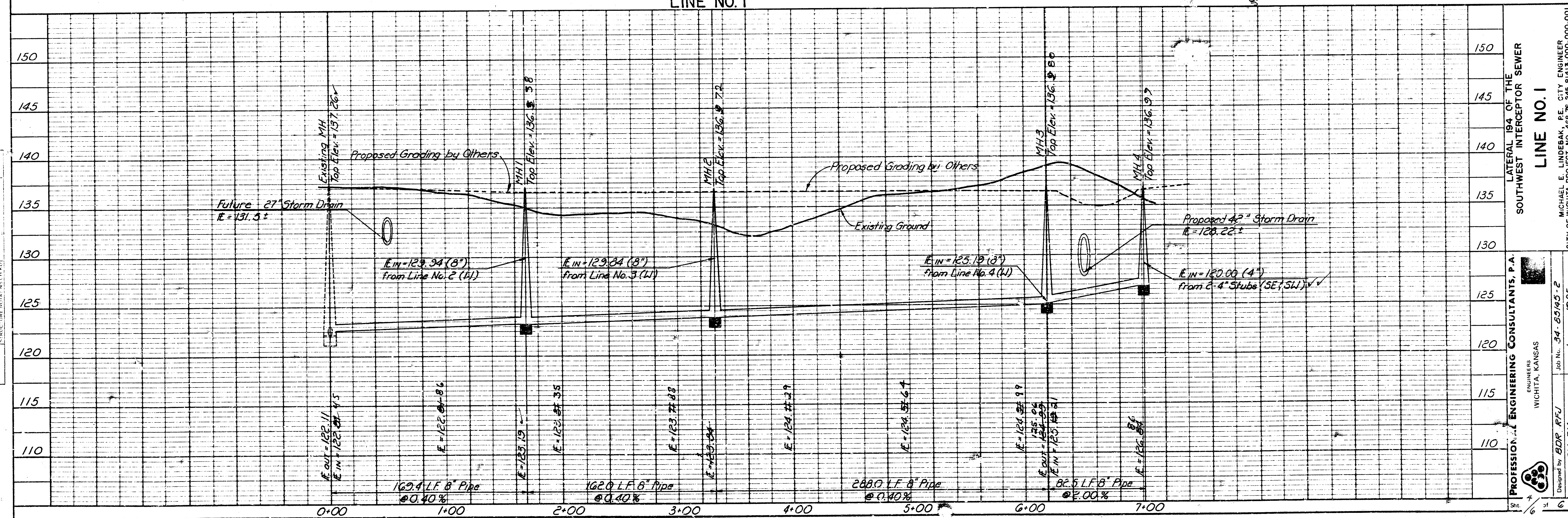
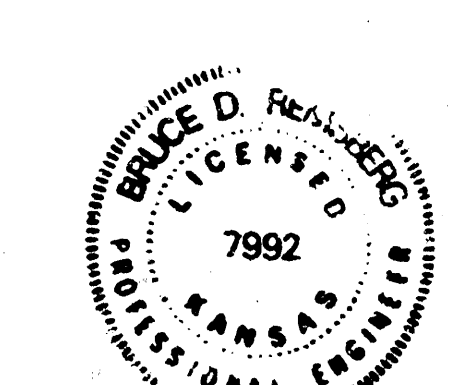
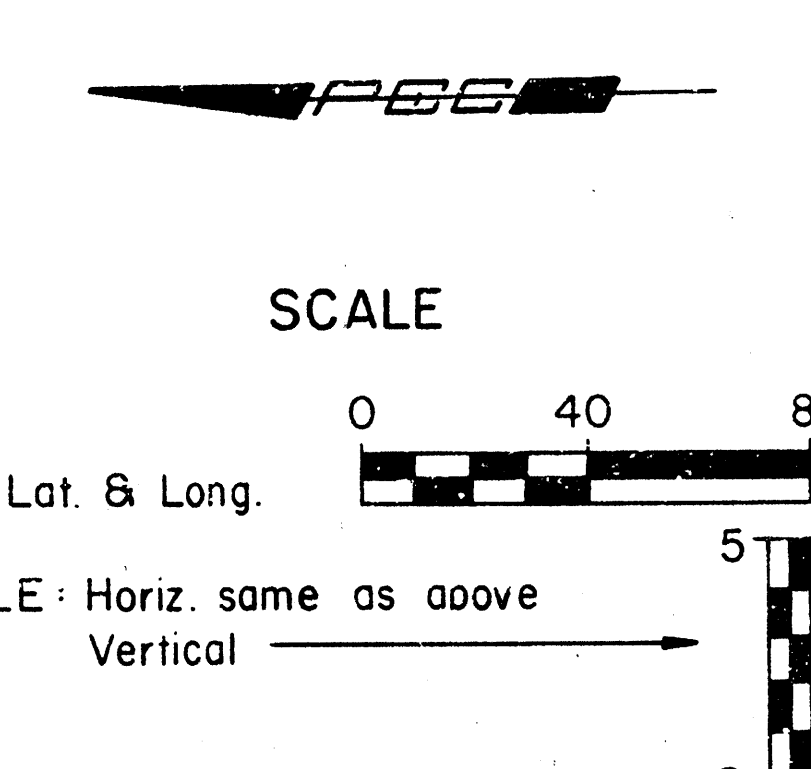
| Revision                                                                                                                                                                                                                                                                                                                              | By                     | Date |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------|
| 1                                                                                                                                                                                                                                                                                                                                     |                        |      |
| <b>LATERAL 194 OF THE</b><br><b>SOUTHWEST INTERCEPTOR SEWER</b><br><b>PLAT</b><br><b>(EASEMENT GRADING PLAN)</b><br><b>MICHAEL E. LINDEBAEK, P.E. CITY ENGINEER</b><br><b>CITY OF WICHITA PROJECT NO. 468-76-245-81413-000-001</b><br><b>PROFESSIONAL ENGINEERING CONSULTANTS, P.A.</b><br><b>ENGINEERS</b><br><b>WICHITA, KANSAS</b> |                        |      |
| Designed by <b>FDR, RFL</b>                                                                                                                                                                                                                                                                                                           | Job No. <b>85145-2</b> | 3/16 |
| Drawn by <b>DMM</b>                                                                                                                                                                                                                                                                                                                   | Date <b>June 1985</b>  |      |

|      |      |    |      |
|------|------|----|------|
| PLAN | DATE | BY | CHKD |
| NO.  |      |    |      |

|         |      |    |      |
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| PROFILE | DATE | BY | CHKD |
| NO.     |      |    |      |

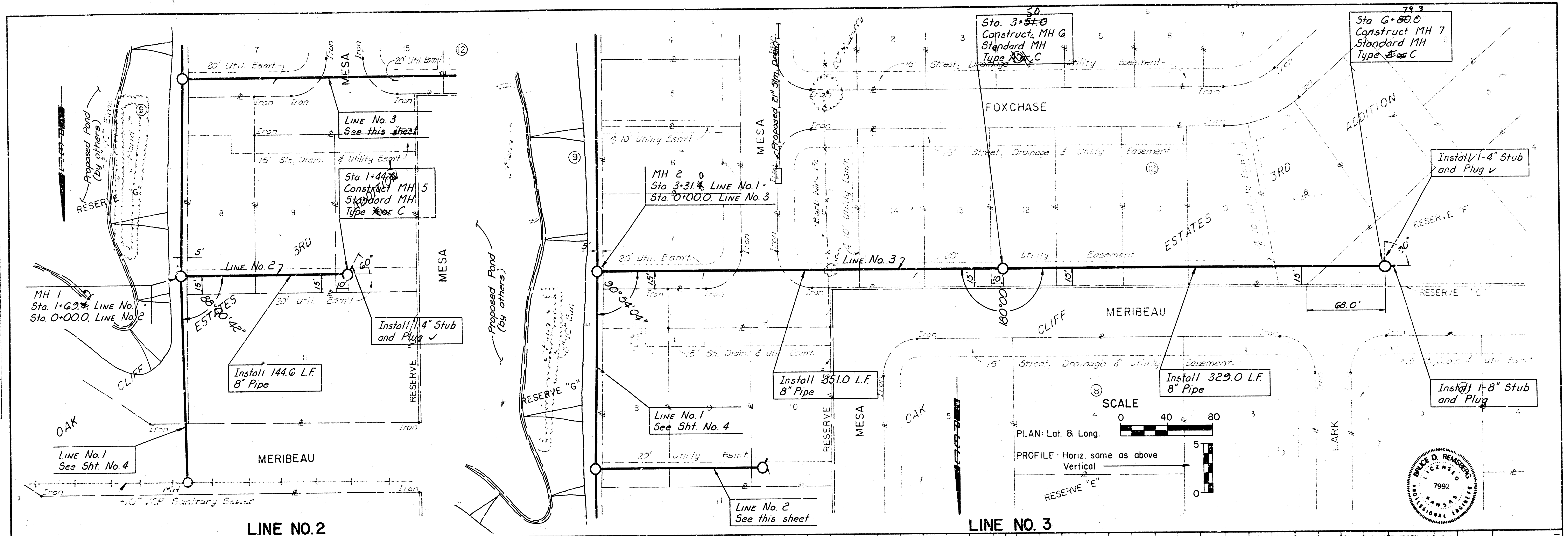


As Built  
J.L.L.  
11-85

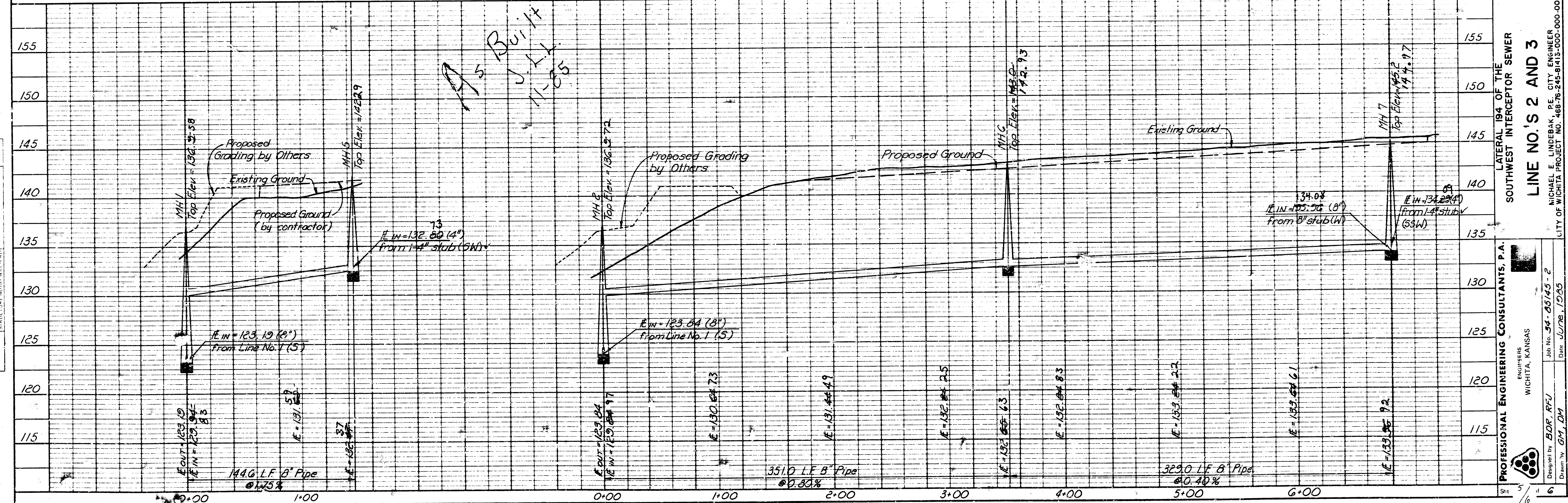


LINE NO. 1  
LATERAL 194 OF THE  
SOUTHWEST INTERCEPTOR SEWER  
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.  
ENGINEERS  
WICHITA, KANSAS  
Sub No. 34-63-03-2  
Drawn by BDR RFU  
Checked by GM, DM  
Date: JUNE, 1985  
MICHAEL E. UNDERBAK, P.E. CITY ENGINEER  
CITY OF WICHITA PROJECT NO. 68-06-243-8-113-000-001

| PLAN     | DATE | BY | CHKD |
|----------|------|----|------|
| SURVEYED |      |    |      |
| NOTED    |      |    |      |
| ADJUSTED |      |    |      |
| CHECKED  |      |    |      |
| BY       |      |    |      |



| PROFILE  | DATE | BY | CHKD |
|----------|------|----|------|
| SURVEYED |      |    |      |
| NOTED    |      |    |      |
| ADJUSTED |      |    |      |
| CHECKED  |      |    |      |
| BY       |      |    |      |



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

LATERAL 194 OF THE  
 SOUTHWEST INTERCEPTOR SEWER

LINE NO. 2 AND 3

DESIGNED BY: BDR, RFU  
 DRAWN BY: GM, DM

DATE: JUNE 12, 1995

PROJECT NO. 468-76-245-8415-000-000-001

