

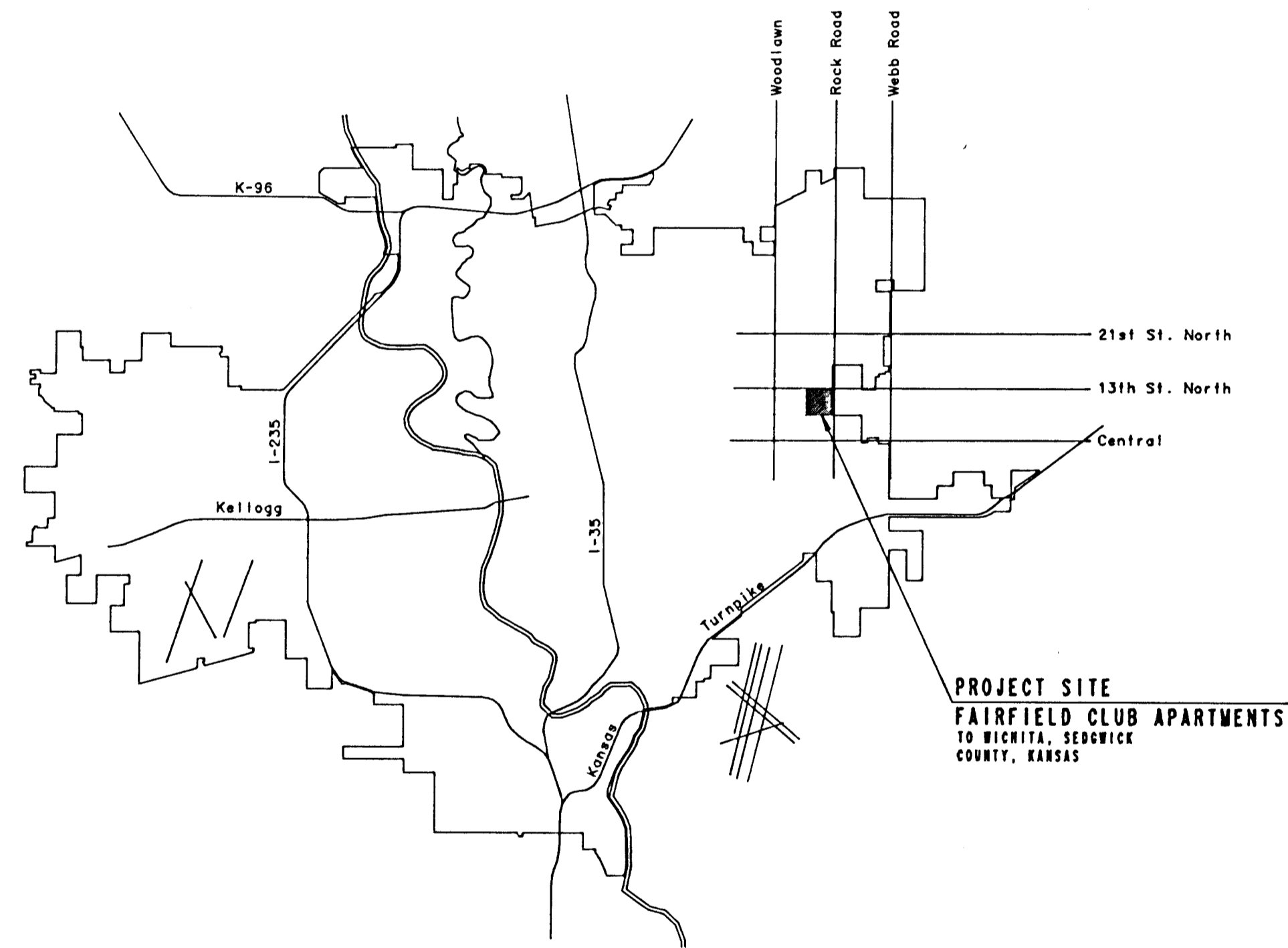
# CONSTRUCTION PLANS FOR WATER DISTRIBUTION SYSTEM IMPROVEMENTS TO SERVE

## FAIRFIELD CLUB APARTMENTS

THE CITY OF WICHITA,  
SEDGWICK COUNTY, KANSAS  
MICHAEL E. LINDEBAK, P.E. CITY ENGINEER

**INDEX OF SHEETS**

1. TITLE SHEET
2. SITE COORDINATES
3. UTILITY LAYOUT
4. PLAN/PROFILE
5. PLAN/PROFILE



LOCATION MAP

CITY OF WICHITA PROJECT NO. 468-76-245-80001-000-000-052

FEBRUARY, 1986

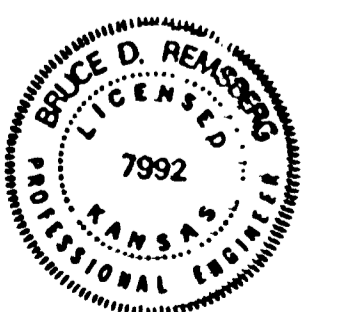
PLANS PREPARED BY  
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.  
ENGINEERS  
WICHITA, KANSAS

APPROVED AS NOTED  
By CITY ENGINEER OF WICHITA

Sanitary Sewers \_\_\_\_\_  
Storm Sewers \_\_\_\_\_  
Driveway Approaches \_\_\_\_\_  
Water Mains *R. Jones* 3-5-86 \_\_\_\_\_  
Paving \_\_\_\_\_

**NOTE TO CONTRACTOR**

This project will be constructed under the supervision of the CITY ENGINEER and conforming to the SPECIFICATIONS of the CITY OF WICHITA. The CONTRACTOR will pay the City of Wichita for all costs of plan review, inspection and booking per contract.



BOUNDARY		
POINT NO.	NORTH	EAST
1	3658.375822 N	4950.000000 E
2	3659.135408 N	4850.002885 E
3	3671.894644 N	4750.089820 E
4	3875.161549 N	4320.018175 E
5	3015.161549 N	4320.018175 E
6	3010.376168 N	4950.000000 E

BUILDINGS		
POINT NO.	NORTH	EAST
1	3400.769889 N	4736.934717 E
2	3400.769779 N	4838.434717 E
3	3318.934479 N	4838.434808 E
4	3318.934589 N	4736.934808 E
5	3339.022401 N	4800.304431 E
6	3339.210801 N	4765.438242 E
7	3208.379259 N	4764.817111 E
8	3201.191059 N	4799.583300 E
9	3280.934423 N	4925.000000 E
10	3290.934423 N	4878.583300 E
11	3192.434423 N	4878.583300 E
12	3192.434423 N	4925.000000 E
13	3172.434423 N	4925.000000 E
14	3172.434423 N	4705.770178 E
15	3030.934423 N	4878.583300 E
16	3030.934423 N	4925.000000 E
17	3067.903899 N	4836.862988 E
18	3068.912880 N	4704.033501 E
19	3034.247180 N	4705.770178 E
20	3033.238199 N	4836.862988 E
21	3133.328291 N	4871.521852 E
22	3133.698589 N	4822.773258 E
23	3032.808198 N	4822.007344 E
24	3032.497900 N	4878.755938 E
25	3133.808089 N	4878.755938 E
26	3134.233463 N	4552.358590 E
27	3035.738304 N	4551.810399 E
28	3035.383730 N	4598.025760 E
29	3068.387845 N	4512.483630 E
30	3068.374826 N	4379.654382 E
31	3034.711126 N	4379.391039 E
32	3033.702145 N	4512.220507 E
33	3267.021987 N	4497.518175 E
34	3267.021987 N	4340.018175 E
35	3218.605387 N	4340.018175 E
36	3218.605387 N	4497.518175 E
37	3339.438687 N	4497.518175 E
38	3339.438687 N	4340.018175 E
39	3291.021987 N	4340.018175 E
40	3291.021987 N	4497.518175 E
41	3231.921105 N	4725.338698 E
42	3239.092131 N	4571.376446 E
43	3191.926792 N	4571.018175 E
44	3190.755766 N	4725.180427 E
45	3400.622570 N	4616.434717 E
46	3400.622570 N	4570.018175 E
47	3259.122518 N	4570.018175 E
48	3259.122518 N	4616.434875 E
49	3456.338469 N	4561.184875 E
50	3456.338469 N	4407.018175 E
51	3409.171769 N	4407.018175 E
52	3409.171769 N	4561.184875 E
53	3527.505169 N	4561.184875 E
54	3527.505169 N	4407.018175 E
55	3480.338469 N	4407.018175 E
56	3480.338469 N	4561.184875 E
57	3440.809710 N	4497.518175 E
58	3648.006055 N	4340.385941 E
59	3599.590752 N	4340.018175 E
60	3599.394407 N	4497.518175 E
61	3580.022780 N	4732.881397 E
62	3581.219105 N	4575.385941 E
63	3532.803802 N	4575.018175 E
64	3531.807457 N	4732.513631 E
65	3574.588184 N	4801.583300 E
66	3574.844244 N	4754.417295 E
67	3420.879816 N	4753.580348 E
68	3420.879816 N	4800.746353 E
69	3633.580194 N	4925.000000 E
70	3633.580194 N	4878.583300 E
71	3492.080194 N	4878.583300 E
72	3492.080194 N	4925.000000 E
73	3472.080194 N	4878.583300 E
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75	3373.580194 N	4878.583300 E
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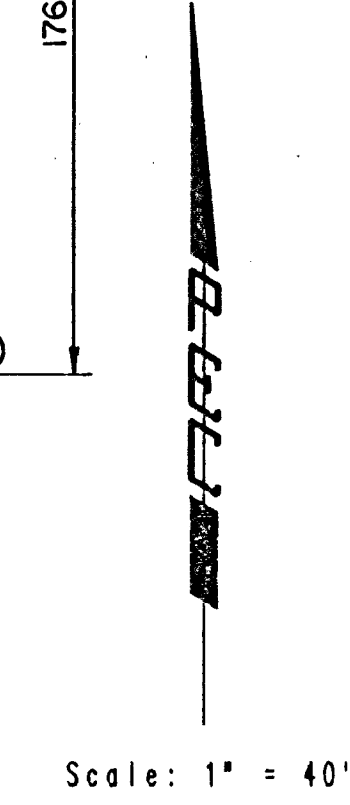
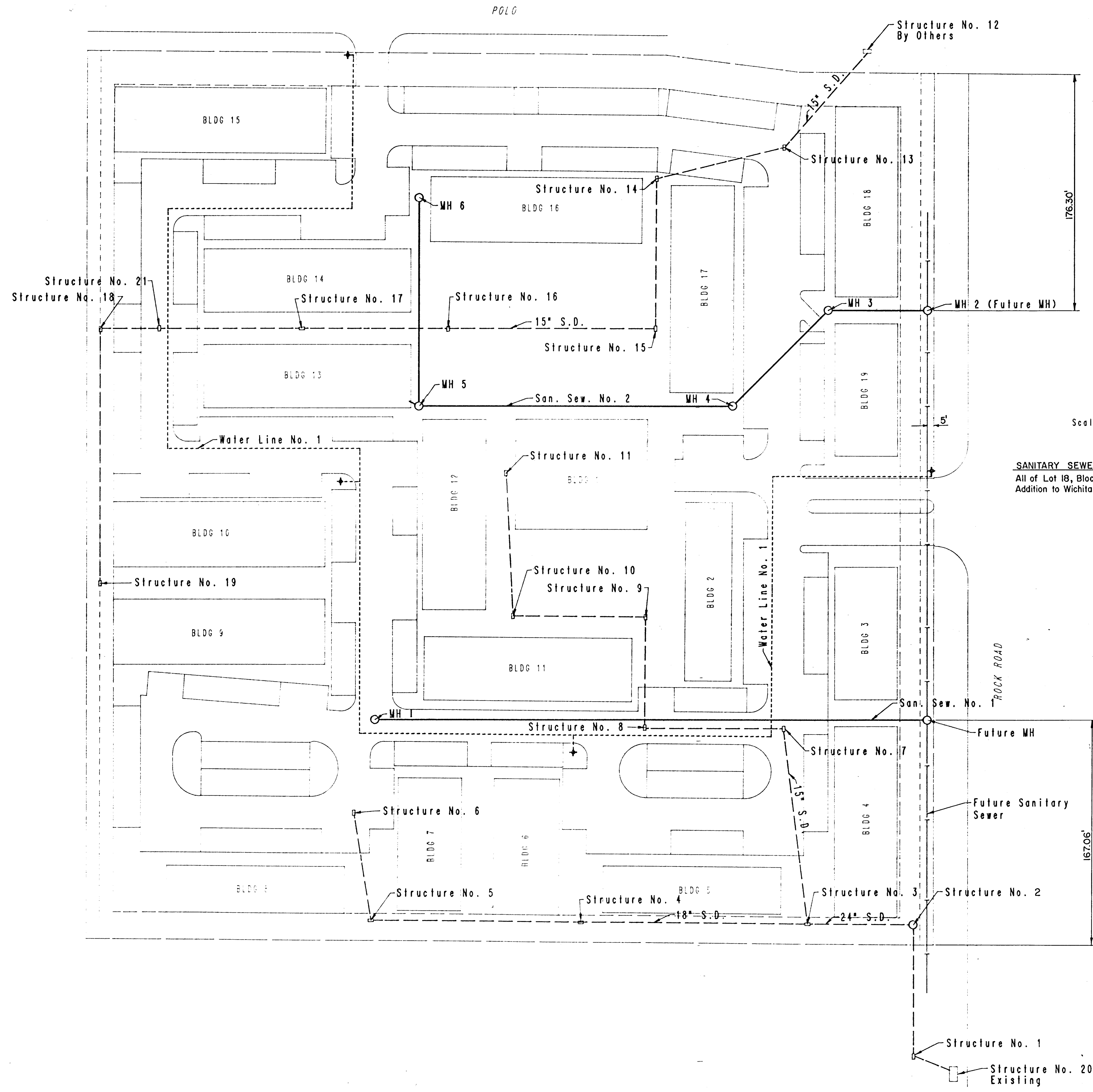
SANITARY SEWER MANHOLES		
POINT NO.	NORTH	SOUTH
01	3023.452774 N	4545.011540 E
02	3177.434423 N	4745.079815 E
03	3247.769900 N	4745.014080 E
04	3248.674192 N	4626.434887 E
05	3252.122518 N	4570.018175 E
06	3239.092131 N	4497.518175 E
07	3420.723247 N	4745.589466 E
08	3410.622518 N	4626.434706 E
09	3410.622518 N	4567.184875 E
10	3581.219105 N	4567.184875 E
11	3581.219105 N	4497.518175 E
12	3580.022780 N	4345.000000 E
13	3177.434423 N	4945.000000 E
01	3177.434423 N	4525.000000 E
02	3492.080194 N	4945.000000 E
03	3492.080194 N	4871.583300 E
04	3410.769960 N	4800.693943 E
05	3410.622515 N	4567.184875 E
06	3565.622515 N	4567.184875 E
07	3177.434423 N	4945.000000 E

CARPORTS		
POINT NO.	NORTH	SOUTH
01	3283.640421 N	4871.583213 E
A 02	3283.640421 N	4853.583213 E
03	3211.640421 N	4853.583213 E
04	3211.640421 N	4871.583213 E
05	3166.640421 N	4871.583213 E
B 06	3166.640421 N	4853.583213 E
07	3094.640421 N	4853.583213 E
08	3094.640421 N	4871.583213 E
09	3095.118440 N	4808.721756 E
C 10	3095.528616 N	4754.723314 E
11	3077.529135 N	4754.586589 E
12	3077.118959 N	4808.585031 E
13	3201.102206 N	4811.261471 E
D 14	3201.512382 N	4757.263059 E
15	3183.512901 N	4757.126333 E
16	3183.102726 N	4811.124746 E
17	3160.142033 N	4874.211785 E
E 18	3160.547851 N	4820.813325 E
19	3142.481770 N	4820.876600 E
20	3142.142552 N	4874.075059 E
21	3160.682857 N	4803.013839 E
F 22	3161.088496 N	4549.612497 E
23	3143.089018 N	4549.475772 E
24	3142.683378 N	4802.871114 E
25	3096.500314 N	4495.151006 E
G 26	3097.183940 N	4405.153602 E
27	3079.184459 N	4405.016877 E
28	3078.500833 N	4495.014280 E
29	3205.481236 N	4464.829507 E
H 30	3211.139342 N	4392.852172 E
31	3193.195008 N	4391.437646 E
32	3187.538902 N	4463.214981 E
I 33	3249.438687 N	4520.518175 E
34	3249.438687 N	4503.018175 E
35	3195.438687 N	4502.518175 E
36	3195.438687 N	4520.518175 E
37	3348.438687 N	4520.518175 E
J 38	3348.438687 N	4502.518175 E
39	3294.438687 N	4502.518175 E
40	3294.438687 N	4520.518175 E
41	3251.438687 N	4566.018175 E
K 42	3251.438687 N	4548.018175 E
43	3197.438687 N	4548.018175 E
44	3197.438687 N	4566.018175 E
45	3350.438687 N	4548.018175 E
L 46	3350.438687 N	4548.018175 E
47	3314.438687 N	4548.018175 E
48	3314.438687 N	4566.018175 E
49	3402.438687 N	4548.018175 E
M 50	3402.438687 N	4503.018175 E
51	3384.438687 N	4503.018175 E
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N 54	3360.438687 N	4396.018175 E
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O 58	3450.346687 N	4384.018175 E
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61	3540.346687 N	4402.018175 E
P 62	3540.346687 N	4384.018175 E
63	3486.346687 N	4384.018175 E
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65	3552.255169 N	4479.018175 E
66	3552.255169 N	4407.018175 E
67	3534.255169 N	4407.018175 E
68	3534.255169 N	4479.018175 E
69	3593.878257 N	4460.152071 E
70	3594.088608 N	4406.153631 E
71	3576.893128 N	4406.018175 E
72	3575.878278 N	4460.015288 E
73	3603.793628 N	4631.486171 E
S 74	3604.321311 N	4562.018175 E
75	3586.321831 N	4561.881450 E
76	3585.794147 N	4631.347615 E
77	3602.936143 N	4742.371615 E
T 78	3603.595749 N	4657.536419 E
79	3585.596288 N	4657.399694 E
80	3584.936682 N	4744.234890 E
81	3594.810573 N	4809.007615 E
82	3571.851487 N	4428.82683 E
U 83	3583.796510 N	4753.162378 E
84	3576.95598 N	4806.727310 E
85	3613.695788 N	4868.583300 E
V 86	3613.695770 N	4850.583300 E
87	3525.695770 N	4850.583387 E
88	3525.695788 N	4868.583387 E
89	3457.257212 N	4868.583451 E
90	3457.257194 N	4850.583451 E
W 91	3385.257194 N	4850.583521 E
92	3385.257212 N	4868.583521 E

STREET CENTERLINE P.I.'s		
POINT NO.	NORTH	SOUTH
01	3332.257423 N	4950.500000 E
02	3332.257423 N	4838.583300 E
03	3170.893802 N	4838.583300 E
04	3173.192106 N	4536.018175 E
05	3372.438687 N	4536.018175 E
06	3372.438687 N	4372.018175 E
07	3564.255169 N	4372.018175 E
08	3564.255169 N	4536.018175 E
09	3616.55231 N	4531.852541 E
10	3614.922173 N	4746.256278 E
11	3603.130854 N	4838.583300 E
12	3558.814883 N	4838.583300 E
13	3106.891956 N	4838.583300 E
14	3107.815935 N	4704.302069 E
15	3171.913811 N	4704.302069 E
16	3173.315792 N	4519.735193 E
17	3171.045627 N	4519.717949 E
18	3108.317585 N	4519.241463 E
19	3109.435498 N	4372.018175 E
20	3182.688592 N	4372.018175 E
21	3673.050687 N	4532.081706 E
22	3359.255506 N	4757.421186 E

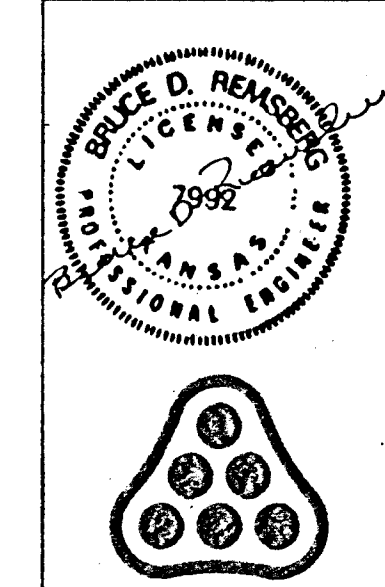
GARAGES		
POINT NO.	NORTH	SOUTH
01	3159.118964 N	4808.895899 E
1 02	3159.665864 N	4736.897976 E
03	3139.666441 N	4736.746059 E
04	3139.119541 N	4808.743982 E
05	3139.119541 N	4808.743982 E
2 06	3139.666441 N	4736.746059 E
07	3119.667018 N	4736.594142 E
08	3119.120118 N	4808.592065 E
09	3160.588038 N	4486.478404 E
3 10	3161.183304 N	4405.480398 E
11	3140.588615 N	4486.324817 E
12	3141.183881 N	4405.328481 E
4 13	3121.184458 N	4405.176565 E
14	3120.569192 N	4486.174570 E
15	3187.526272 N	4360.018175 E
5 16	3187.526272 N	4360.018175 E
17	3097.526272 N	4360.018175 E
18	3097.526272 N	4360.018175 E
19	3450.438687 N	4360.018175 E
6 20	3450.438687 N	4340.018175 E
21	3360.438687 N	4340.018175 E
22	3360.438687 N	4360.018175 E
7 23	3576.438687 N	4360.018175 E
24	3576.438687 N	4340.018175 E
25	3486.438687 N	4360.018175 E
26	3486.438687 N	4360.018175 E
8 27	3647.753330 N	4636.892519 E
28	3648.369093 N	4555.894915 E
29	3628.369670 N	4555.742999 E
30	3627.754407 N	4636.740662 E
31	3646.933479 N	4744.889463 E
9 32	3647.811105 N	4654.892059 E
33	3627.817682 N	4654.740143 E
34	3626.934056 N	4744.737546 E
35	3636.068306 N	4833.278108 E
10 36	3646.329677 N	4752.930711 E
37	3626.490813 N	4750.397038 E
38	3616.229442 N	4830.744438 E

GARAGE
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**SANITARY SEWER BENEFIT DISTRICT**  
 All of Lot 18, Block 10 in Fairfield Estates  
 Addition to Wichita, Sedgwick County, Kansas.

2	Revised San. Sewer - Water	BR	1-27-86
1	Per Revised Grading Plan	BR	11-27-85
No.	Revision	By	Date



**FAIRFIELD CLUB APARTMENTS**

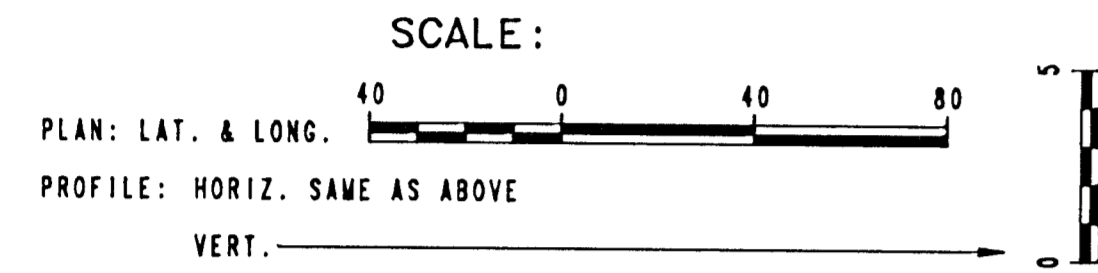
**UTILITY LAYOUT PLAN**

MICHAEL E. LINDEBAK, P.E. - CITY ENGINEER  
 CITY OF WICHITA PROJECT NO. 468-78-245-80001-000-000-052

**PROFESSIONAL ENGINEERING CONSULTANTS, P.A.**

ENGINEERS  
 WICHITA, KANSAS

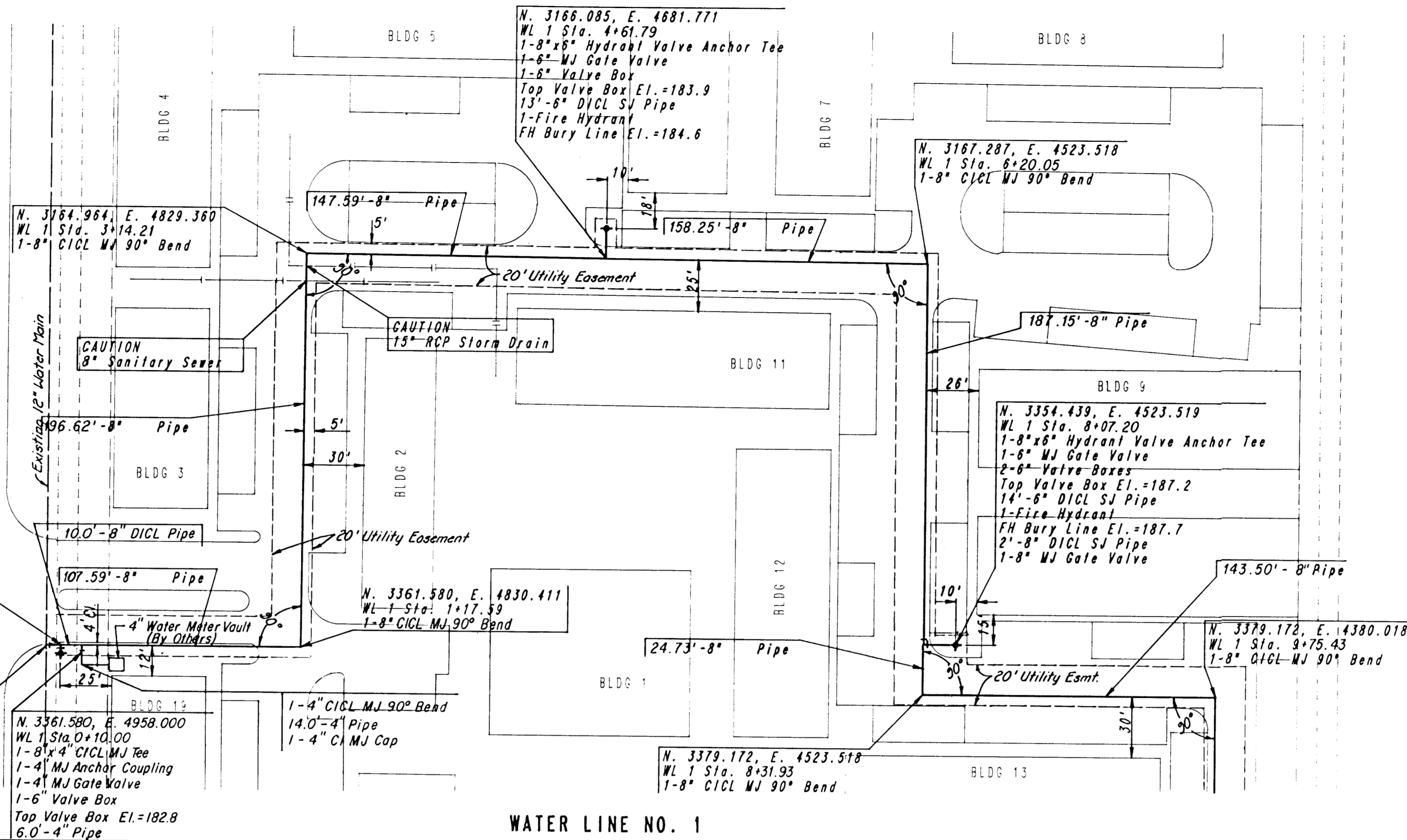
Designed by BDR	Job No. 34-85492	Sht. C6 of 16
Drawn by CAL	Date November, 1985	



N. 3361.580, E. 4948.000  
 WL 1 Sta. 0+00.00  
 1-8"x8" Hydrant Valve Anchor Tee  
 1-6" MJ Gate Valve  
 1-6" Valve Box  
 Top Valve Box El. = 182.8  
 2'-8" DI CL SJ Pipe  
 1-Fire Hydrant  
 FH Bury Line El. = 182.8  
 2'-2" DI CL SJ Pipe Pieces  
 1-8" CI MJ Sleeve - Long w/  
 8" DI CL Pipe Spacer - 6" long

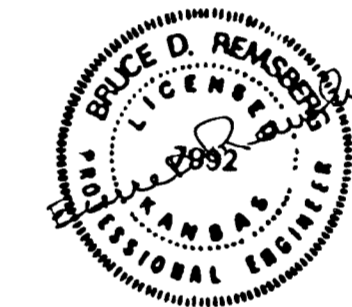
WL Sta. 0+07.00  
 1-12"x8" CI CL MJ Tee, 1-8" MJ Anchor Coupling  
 1-8" MJ Gate Valve, 1-6" Valve Box  
 1-8" CI MJ Plug, by others

Unless noted otherwise, elevations shown are top of pipe.

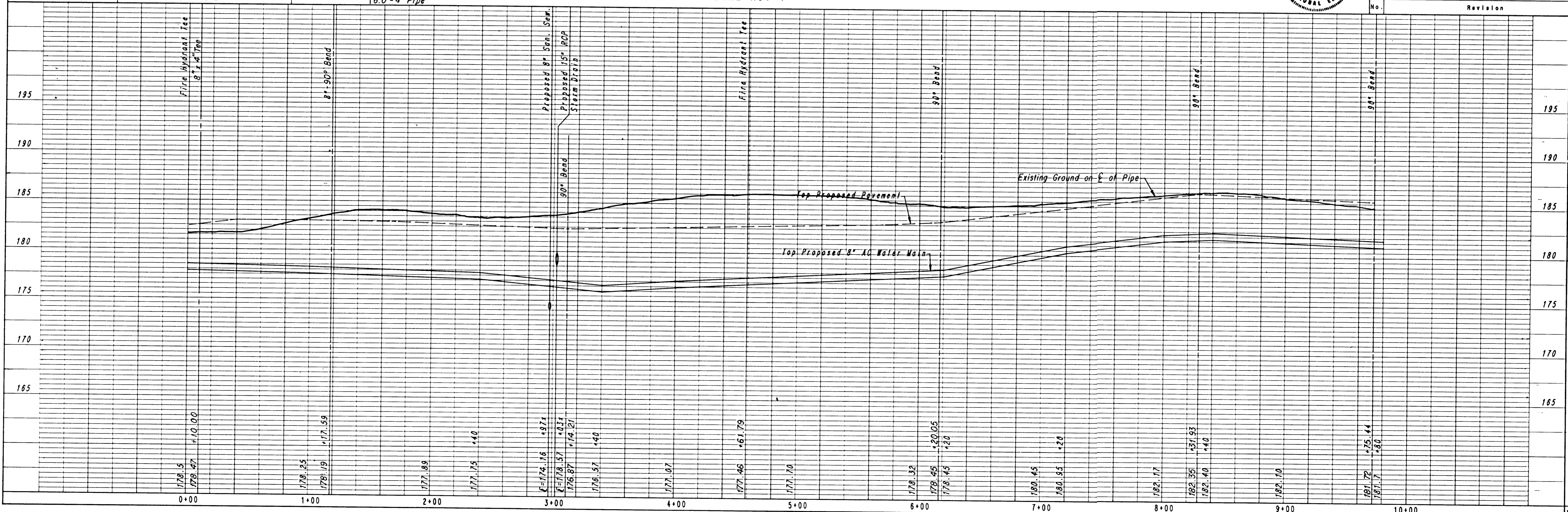


WATER LINE NO. 1

- GENERAL NOTES
- ALL WATER MAINS AND APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD SPECIFICATION FOR WATER MAIN INSTALLATIONS, NUMBER 14533.
  - ALL ELEVATIONS SHOWN ARE CITY OF WICHITA DATUM (USGS-1187.4 + CITY DATUM).
  - 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 COST FOR THIS WORK SHALL BE SUBSIDIARY TO THE OTHER ITEMS OF WORK.
  - COORDINATION WITH PAVING. IT IS IMPERATIVE THAT THE CONTRACTOR COORDINATE WATER LINE CONSTRUCTION WITH THE PAVING CONTRACTORS. SEE SPECIAL PROVISIONS IN SPECIFICATIONS NUMBER 14533.
  - 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 1-800-344-7233 TO REQUEST THE FOLLOWING UTILITY COMPANIES TO LOCATE ANY EXISTING LINES WITHIN THE PROJECT AREA: GAS SERVICE COMPANY, K.G.A.E., THE WICHITA WATER DEPARTMENT, ARKLA GAS CO., AND AIR CAPITAL CABLEVISION.
  - THE CONTRACTOR MUST ALSO NOTIFY CONTINENTAL PIPELINE AT 316-755-0241, 48 HOURS PRIOR TO BEGINNING EXCAVATION AND REQUEST THAT ANY LINES WITHIN THE PROJECT AREA BE FLAGGED.
  - 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 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.
  - ALL WATER MAINS TO HAVE A MINIMUM OF 1' CLEARANCE BETWEEN BOTTOM OF STORM SEWER PIPE AND TOP OF WATER MAIN, UNLESS SHOWN OTHERWISE ON PLANS.
  - ALL SITE CLEARING AND GRUBBING SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED SUBSIDIARY TO OTHER ITEMS OF WORK.
  - WATER LINE VALVES TO BE OPERATED BY CONTRACTOR ONLY IF WATER LINE INSPECTOR IS ON SITE.



No.	Revision	By	Date
5	Revised Water Mtr. Vault & Piping	TDS	3-14-86
4	Revised Water	DM	3-5-86
3	Revised Water	DM	2-25-86
2	Revised Water	BR	1-28-86
1	Per Revised Grading Plan	BR	11-27-85

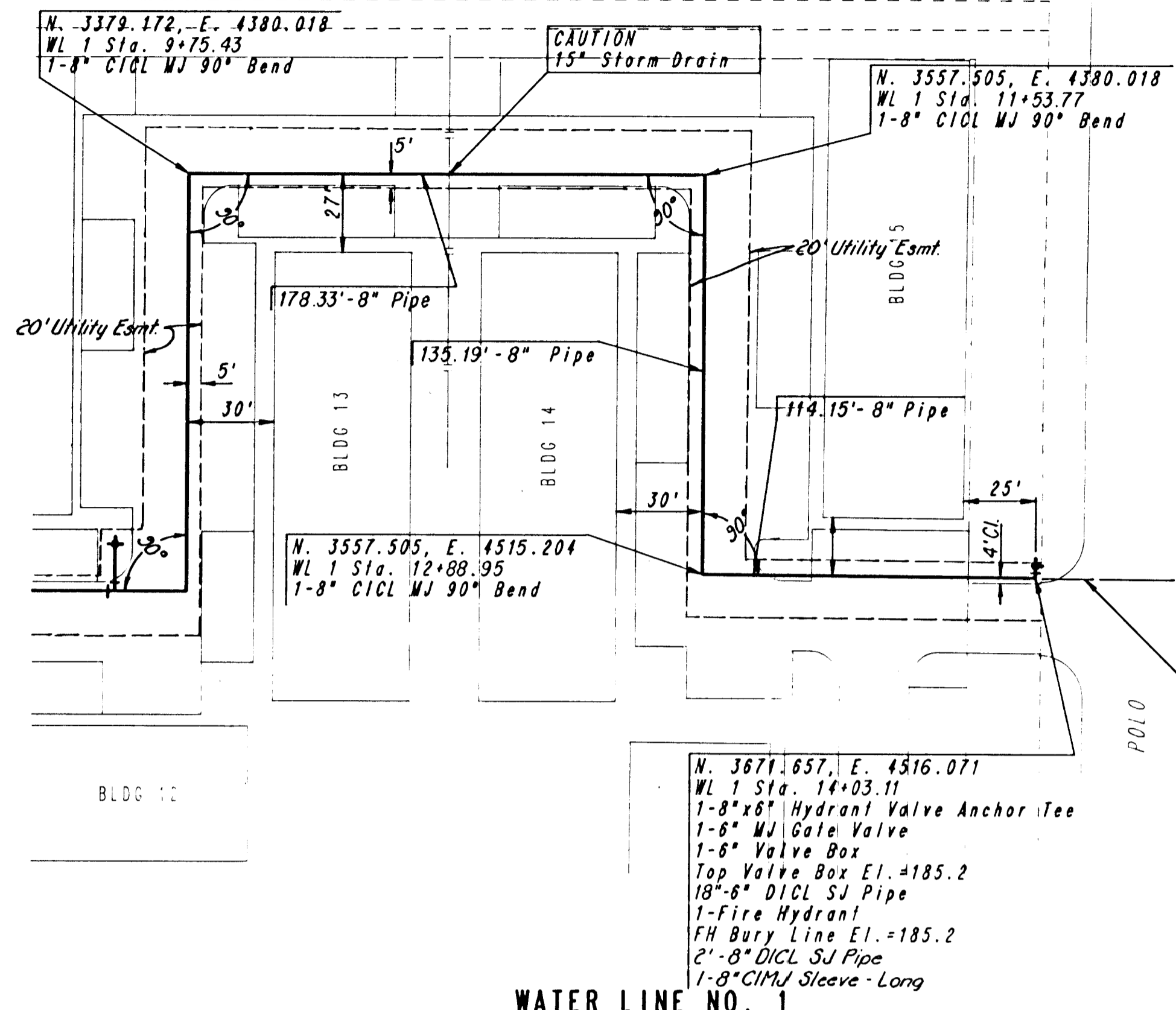


FAIRFIELD CLUB APARTMENTS  
 WATER LINE NO. 1  
 STA. 0+00 TO STA. 9+72.44  
 MICHAEL E. LINDEBAK, P.E. CITY ENGINEER  
 CITY OF WICHITA PROJECT NO. 468-76-245-80001-000-000-052

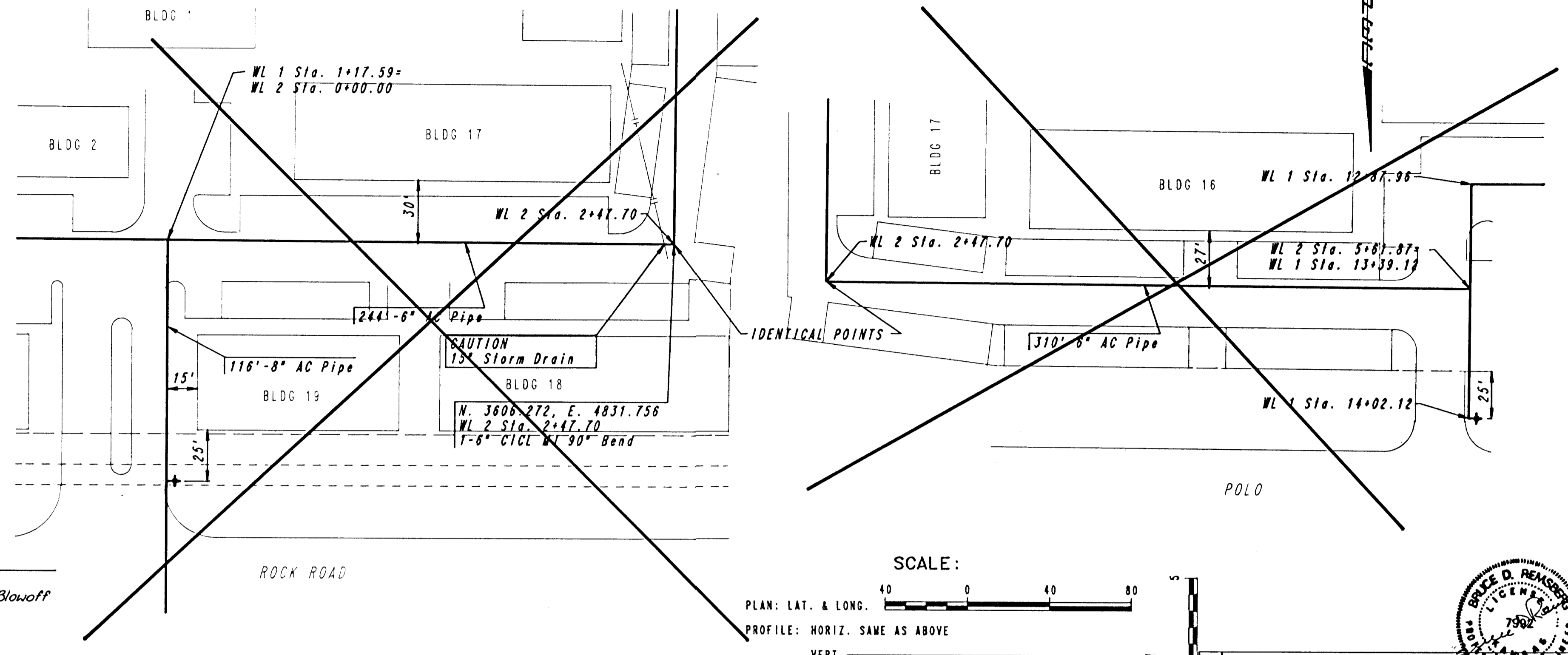
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.  
 ENGINEERS  
 WICHITA, KANSAS  
 Job No. 34-85492  
 Date November, 1985

Designed By BDR, TDS  
 Drawn By CAL

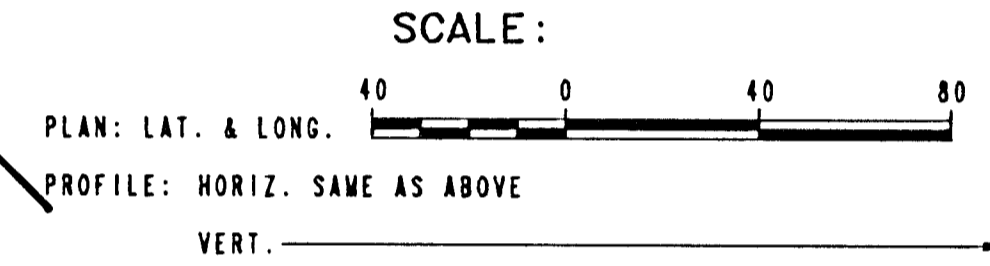
Sht C10 of 16



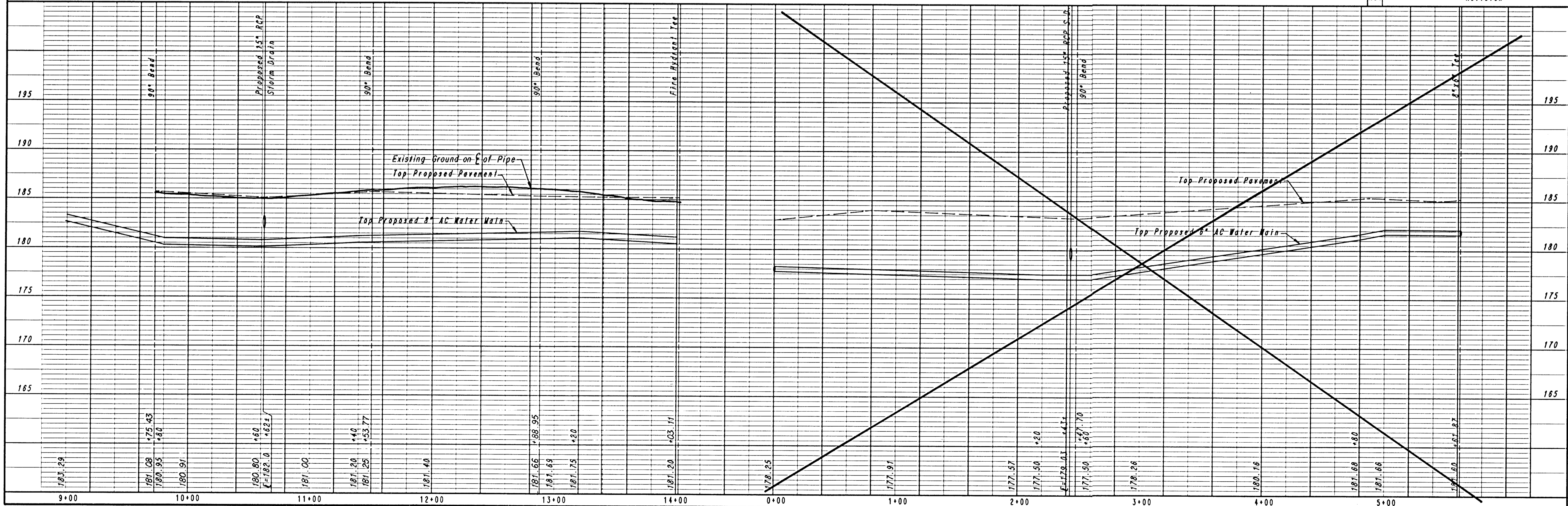
WATER LINE NO. 1



WATER LINE NO. 2



No.	Revision	By	Date
4	Revised Water	BR	11-27-85
3	Revised Water	BR	1-28-86
2	Revised Water	BR	2-25-86
1	Per Revised Grading Plan	BR	11-27-85



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

WATER LINE NO. 1  
STA. 9+72.44 TO STA. 14+02.12

Designed By BDR, TDS  
Drawn By CAL

Job No. 34-85492  
Date November, 1985

MICHAEL E. LINDEBAK, P.E. CITY ENGINEER  
CITY OF WICHITA PROJECT NO. 468-76-245-8001-000-000-069

Sht C11 of 16