CONSTRUCTION PLANS FOR

LATERAL 15, MAIN 12

OF THE

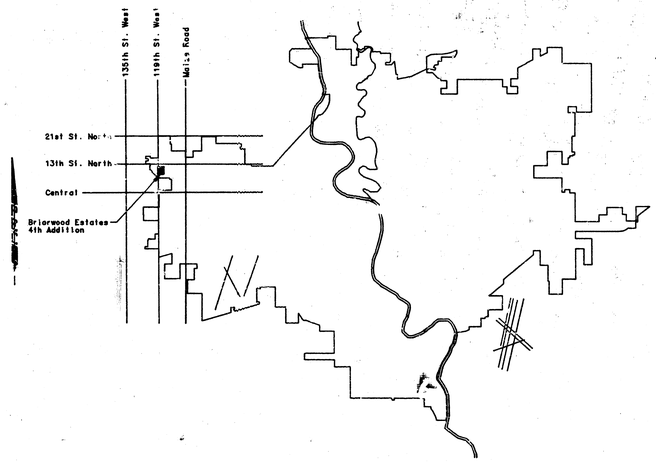
SOUTHWEST INTERCEPTOR SEWER

THE CITY OF WICHITA,
SEDGWICK COUNTY, KANSAS

MIKE LINDEBAK, P.E., CITY ENGINEER

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LOCATION MAP

As Built
J.L.L.
1-85

CITY OF WICHITA PROJECT NO. 468-76-245-81354-000-000-001

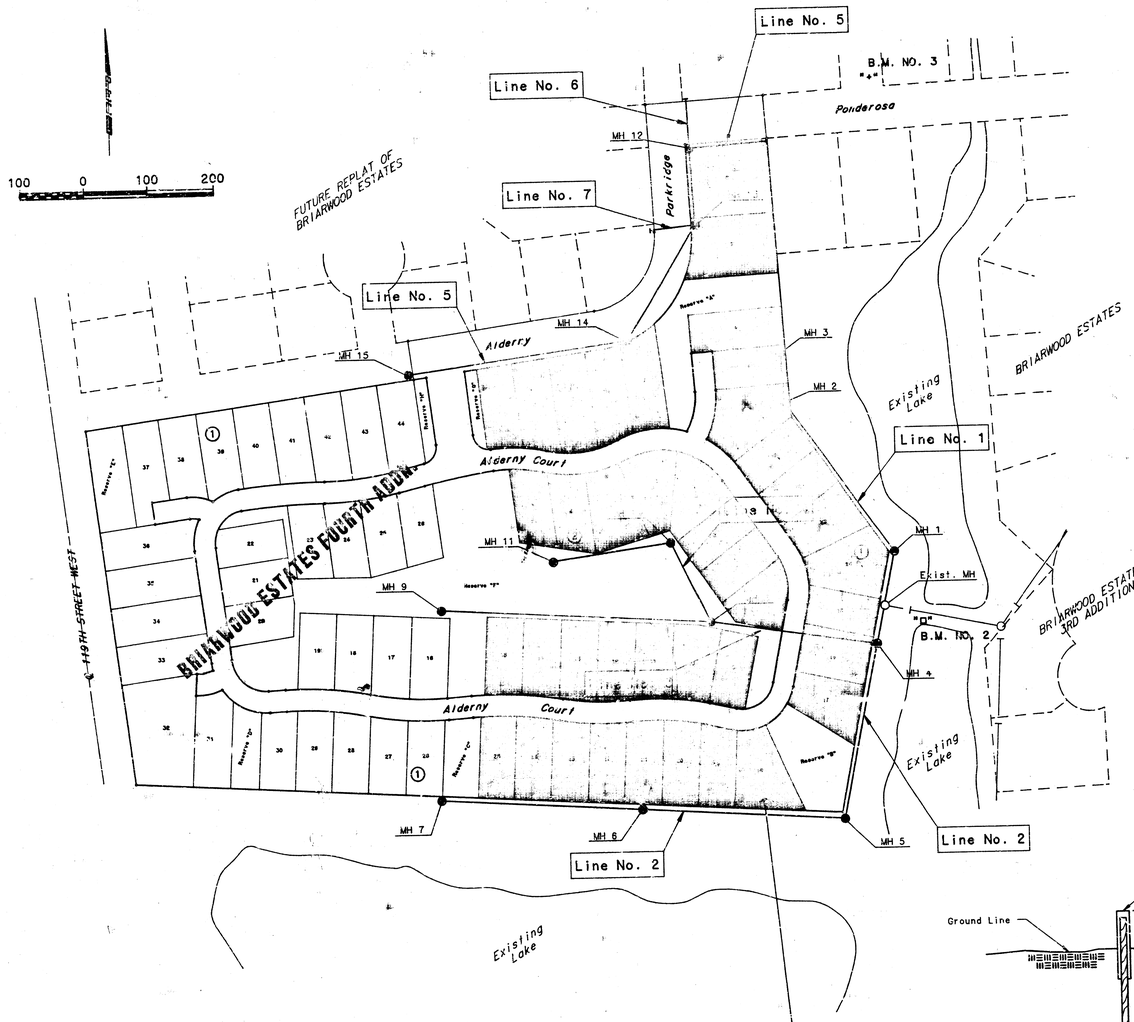
MAY, 1984

PLANS PREPARED BY

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

MICHAEL D. SCHOMACH
LICENSED
6778
KANSAS
PROFESSIONAL ENGINEER

1/7



LINE SCHEDULE	
Line No.	Sheet No.
1	4
2	5
3	6
4	6
5	7
6	7
7	7

General Notes

1. All construction and materials to comply with City of Wichita Specifications and Standards.
2. All elevations shown are City of Wichita Datum (USGS-1187.4 = City Datum).
3. The contractor shall limit the extent of trench to remain open overnights and weekends to less than 50 feet.
4. At least 24 hours prior to beginning excavation (excluding weekends and holidays), the contractor shall contact the utility location service "Kan-U-Dig-It" at (310) 267-2389 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, the Wichita Water Department, and Air Capital Cablevision.
5. 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.
6. The contractor shall restore all ditches, swales, road shoulders, entrances, and bank lines to their original slopes and grades.
7. 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.
8. The contractor shall dispose of all excess excavated soil on site as directed by the engineer.
9. Manhole top elevations shall be set to match proposed finished grade as prescribed in the City of Wichita Specifications.
10. The contractor shall avoid removal or trimming of any trees where possible. Where the contractor believes the removal or trimming is unavoidable, he shall coordinate such work with the engineer.
11. Tree removal and tree trimming shall be done by the contractor under the supervision of the engineer and shall be considered as subsidiary to other items of work.
12. Trees removed, tree trimmings, and other debris shall be hauled from the site by the contractor and wasted as directed by the engineer at no additional cost to the owner.
13. ~~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 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.~~
14. Prior to beginning construction, the contractor shall excavate at Sta. 0+00 of proposed Line No. 5 to verify the location and pipe type of the existing sewerline. The contractor shall notify the engineer immediately if it appears that adjustments to the proposed location or elevation are necessary.
15. Contractor shall grade the sanitary sewer alignment to the profile and elevations shown on the plans. The contractor should visit the site to determine the extent of grading prior to preperation of his bid. All costs for grading shall be subsidiary to the project.
16. Contractor shall provide positive drainage away from all manhole covers
17. Stakes will be set by owner prior to Opening of Bids so that the Contractor may estimate the extent of grading required

BENCH MARK LIST

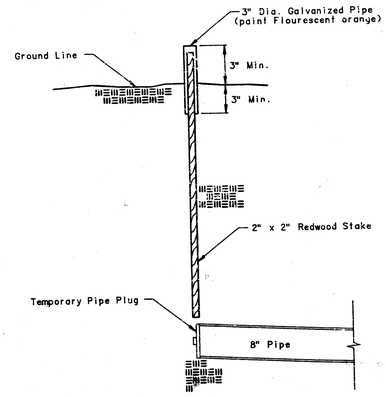
B.M. No.1 - City Std. Brass Cap in conc. 25' N. & 30' E. of S 1/4 Cor. Sec. 7, T27S, R1W of the 6th P.M.
Elev. = 157.93 (City Datum)

B.M. No.2 - Chisled "D" on W. edge conc. weir.
Elev. = 145.715 (City Datum)

B.M. No.3 - Chisled "+" on NW. bolt Fire Hydrant @ Ponderosa & Cardington.
Elev. = 148.830 (City Datum)

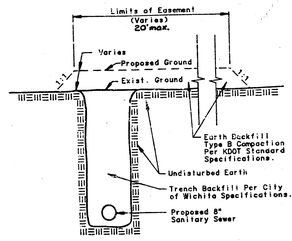
BENEFIT DISTRICT

Lots 1 thru 25, Block 1 and
Lots 1 thru 15, Block 2 all
in Briarwood Estates 4th Addition.



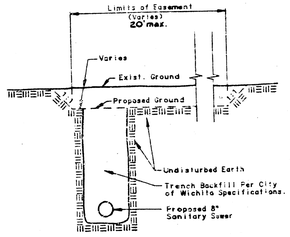
BURIED PIPE STAKING DETAIL

(Staking & Plugging shall be subsidiary to the 8" pipe line installed.)



TYPICAL SECTION

"FILL" SECTION



TYPICAL SECTION

"CUT" SECTION

MICHAEL D. SCHUMACHER LICENSED 6378 KANSAS PROFESSIONAL ENGINEER

No.	Revision	By	Date

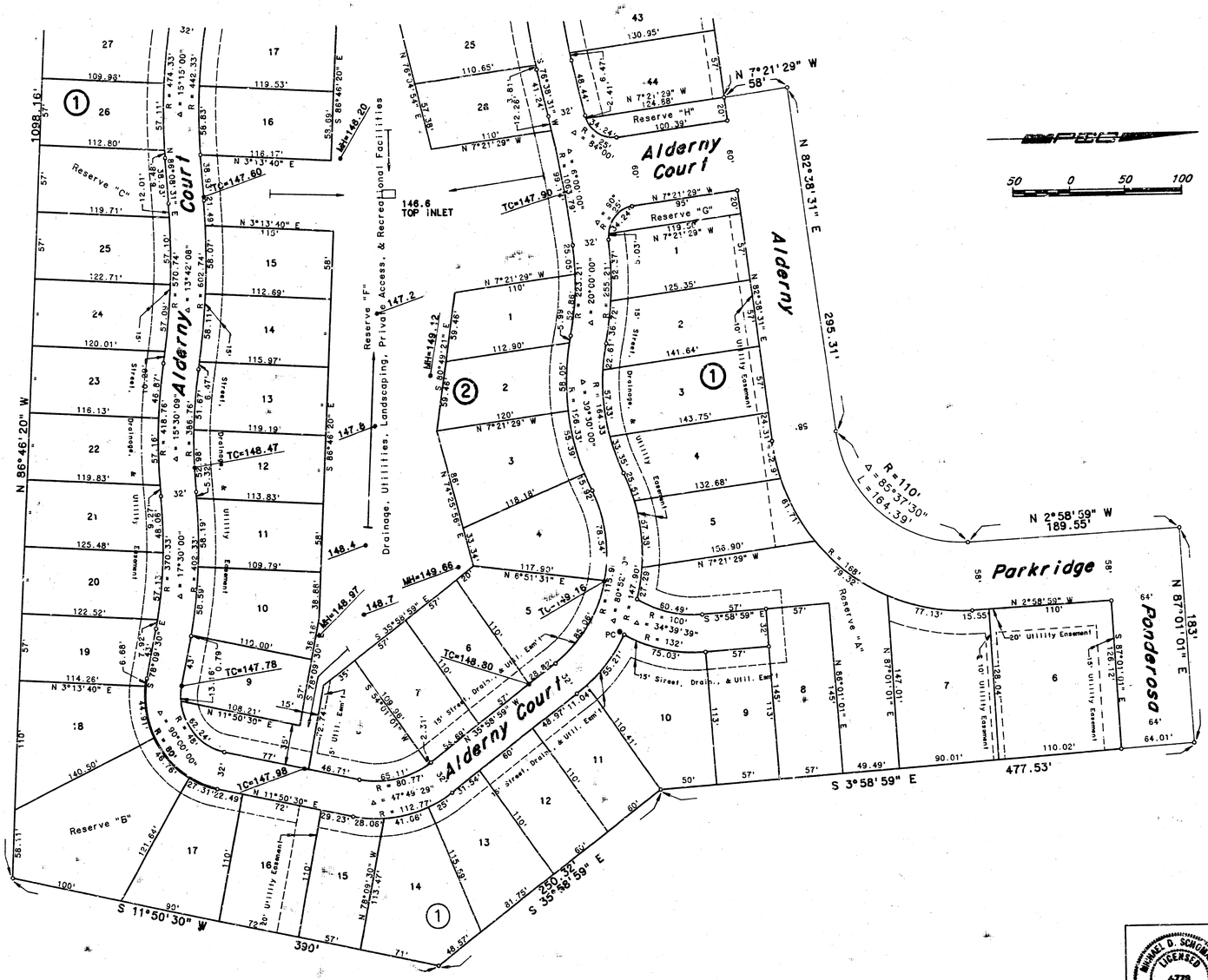
LATERAL 15, MAIN 12 OF THE SOUTHWEST INTERCEPTOR SEWER

KEY MAP

MIKE LINDEBAK, P.E. CITY ENGINEER
CITY OF WICHITA PROJECT NO. 468-76-245-81354-000-000-001

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

Designed by MDS, KLF	Job No. 34-83713-2	Sht. 2 of 7
Drawn by CMK	Date MAY, 1984	



No.	Revision	By	Date

LATERAL 15, MAIN 12 OF THE
SOUTHWEST INTERCEPTOR SEWER

PLAT & DRAINAGE PLAN

(PORTION OF BRIARWOOD ESTATES 4TH ADDITION)

MIKE LINDEBAK, P.E. CITY ENGINEER
CITY OF WICHITA PROJECT NO. 468-76-245-81354-000-000-001

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

3/1

Designed by MDS, KLR	Job No. 34-83713-2	Sht. 3 of 7
Drawn by CWK	Date: MAY, 1984	

MICHAEL D. SCHOMAKER LICENSED 6778 KANSAS PROFESSIONAL ENGINEER

As Built
J.L.L.
1-85

ALDERNY COURT

PARKRIDGE

BRIARWOOD ESTATES 4TH ADDITION

Line No. 3
See Sht. No. 6

Line No. 2
See Sht. No. 5

Sta. 0+00.00, Line No. 1 =
Sta. 0+00.00, Line No. 2
Existing MH

Sta. 0+64.36
Const. MH 1
Standard MH
Type A or C

Sta. 3+35.96
Const. MH 2
Standard MH
Type A or C

Sta. 4+35.24
Const. MH 3
Standard MH
Type A or C

LINE NO. 1

Install 99.56 L.F.
8" ABS or PVC Pipe

Install 1-4" Stub and Plug

Install 271.32 L.F.
8" ABS or PVC Pipe

Install 64.36 L.F.
8" ABS or PVC Pipe

Trees are to be Saved

Break into existing MH and install pipe. Grout water tight with non-shrinking grout. Shape MH floor to provide smooth flow.

Brairwood Estates
3rd Addition

Existing Lake

Proposed Ground Line

Bench Mark No. 2 - Chiseled "□" on West edge Concrete Weir.
Elev. = 145.715 (City Datum)

SCALE:
PLAN: Lat. & Long. 40 0 40 80
PROFILE: Horiz. same as above
Vert.

MICHAEL D. SCHLOMER LICENSED 6776 KANSAS PROFESSIONAL ENGINEER

LATERAL 15, MAIN 12 OF THE SOUTHWEST INTERCEPTOR SEWER

LINE NO. 1

MIKE LINDEBAK, P.E., CITY ENGINEER
C.O.W. Proj. No. 468-76-245-81354-000-000-001

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

Designed By MDS, KLR
Drawn By yoda, CMK
Job No. 34-83713-2
Date MAY, 1984

Sheet 4 of 7

SCALE:
PLAN: LAT. & LONG. 40 0 40 80
PROFILE: HORIZ. SAME AS ABOVE
VERT.

As Built
J.L.L.
1-85

Sta. 0+00.00, Line No. 2 =
Sta. 0+00.00, Line No. 1
Existing MH

Sta. 0+69.95
Const. MH 4
Standard MH
Type ~~A~~ or C

Sta. 3+44.24
Const. MH 5
Standard MH
Type ~~A~~ or C

Sta. 3+41.21
MH 5

Sta. 6+55.76
Const. MH 6
Standard MH
Type ~~A~~ or C

Sta. 9+69.44
Const. MH 7
Standard MH
Type ~~A~~ or C

Connect to Existing Stub

Trees are ~~to be~~ Saved.

Identical Points

Line No. 2

BRIARWOOD ESTATES 4TH ADDITION

Reserve "B"

Reserve "F"

Alderny Court

Install 69.95 L.F. 8" ABS or PVC Pipe

Install 271.28 L.F. 8" ABS or PVC Pipe

Install 313.95 L.F. 8" ABS or PVC Pipe

Install 313.95 L.F. 8" ABS or PVC Pipe

Install 1-8" ABS or PVC Stub and Plug

Line No. 1
See Sht. No. 4

Line No. 3
See Sht. No. 6

15' Street, Drainage, & Util Easement

20' Util. Esm't

5' Util Esm't

Bench Mark No. 24 - Chiseled "O" on West Edge of concrete weir.
Elev. = 145.715 (City Datum)

Existing MH
Top Elev. = 146.81

MH 4
Top Elev. = 146.50

MH 5
Top Elev. = 146.40

MH 6
Top Elev. = 146.33

MH 7
Top Elev. = 146.00

Proposed Ground Line

8" In = 138.04 (8")
From Line No. 2

8" In = 138.34 (8")
From Line No. 3

8" In = 141.04 (8")
From 1 - 8" Stub (W)

89.95 L.F. 8" ABS or PVC Pipe @ 0.30%

271.28 L.F. 8" ABS or PVC Pipe @ 0.30%

313.95 L.F. 8" ABS or PVC Pipe @ 0.30%

313.95 L.F. 8" ABS or PVC Pipe @ 0.30%

0+00 1+00 2+00 3+00 4+00 5+00 6+00 7+00 8+00 9+00 10+00

155 150 145 140 135 130 125

MICHAEL D. SCHUMACHER
LICENSED
6778
KANSAS
PROFESSIONAL ENGINEER

LATERAL 15, MAIN 2 OF THE
SOUTHWEST INTERCEPTOR SEWER
LINE NO. 2

MIKE LINDEBAK, P.E., CITY ENGINEER
C.O.W. Proj. No. 468-76-245-81354-000-000-001

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

Designed By MDS, KLR | Job No. 34-83713-2
Drawn By yoda, CMK | Date MAY, 1984

Sheet 5 of 7

Sta. 0+00.00, Line No. 3 =
Sta. 0+65.35, Line No. 2
MH 4

Line No. 2
See Sht. No. 5

Sta. 2+68.74
Const. MH 8
Standard MH
Type A or C

Sta. 6+68.74
Const. MH 9
Standard MH
Type A or C

Sta. 0+00.00, Line No. 4 =
Sta. 2+68.74, Line No. 3
MH 6

Sta. 1+25.22
Const. MH 10
Standard MH
Type A or C

Sta. 3+05.62
Const. MH 11
Standard MH
Type A or C

Line No. 3
See this sheet

BRIARWOOD ESTATES 4TH ADDITION

Reserve "F"
Drainage, Utilities, Landscaping, Private Access, & Recreational Facilities

Alderney Court

35°30'37"
4°07'27"
65°22'58"
60°00'
76°00'39"
45°00'
67°15'31"

Line No. 3
Line No. 4

25.92'
10.90'

Install 400.00 L.F.
8" ABS or PVC Pipe

Install 1-8" ABS or PVC
Stub and Plug

Install 125.20 L.F.
8" ABS or PVC Pipe

Install 180.31 L.F.
8" ABS or PVC Pipe

Install 1-4" Stub W
and Plug

Install 1-4" Stub NE
and Plug

Install 266.74 L.F.
8" ABS or PVC Pipe

Line No. 1
See Sht. No. 4

Line No. 4
See this sheet

As Built
J.L.L.
1-85

SCALE:
PLAN: LAT. & LONG. 40 0 40 80
PROFILE: Horiz. same as above
Vert.

Bench Mark No. 2 - Chiseled "□" on West Edge of concrete weir.
Elev. = 145.715 (City Datum)

MICHAEL D. SCHLINKER
LICENSED
6778
KANSAS
PROFESSIONAL ENGINEER

Mh 4
Top Elev. = 148.90'

Mh 8
Top Elev. = 148.89'

Mh 9
Top Elev. = 148.80'

Mh 10
Top Elev. = 148.96'

Mh 11
Top Elev. = 149.18'

Proposed Ground Line

E in = 138.24 (8")
From Line No. 2

E in = 140.34 (8")
From 1-8" Stub (W)

E in = 139.14 (8")
From Line No. 3

E in = 140.05 (8")
From 1-4" Stub (NE)

Out = 139.24'
In = 139.34'
E = 139.62'
E = 139.56'
E = 139.50'
E = 139.44'
E = 139.38'
E = 139.32'
E = 139.26'
E = 140.16'
E = 140.10'
Out = 139.33'
In = 139.43'
E = 139.77'
E = 139.71'
E = 139.65'
E = 139.59'
E = 139.53'
E = 140.43'

268.74 L.F. 8" ABS or PVC Pipe @ 0.30%
400.00 L.F. 8" ABS or PVC Pipe @ 0.30%
125.20 L.F. 8" ABS or PVC Pipe @ 0.30%
180.31 L.F. 8" ABS or PVC Pipe @ 0.30%

155 150 145 140 135 130 125
0+00 1+00 2+00 3+00 4+00 5+00 6+00 0+00 1+00 2+00 3+00

LATERAL 15, W.I.N. 12 OF THE
SOUTHWEST INTERCEPTOR SEWER

LINE NO'S 3 AND 4

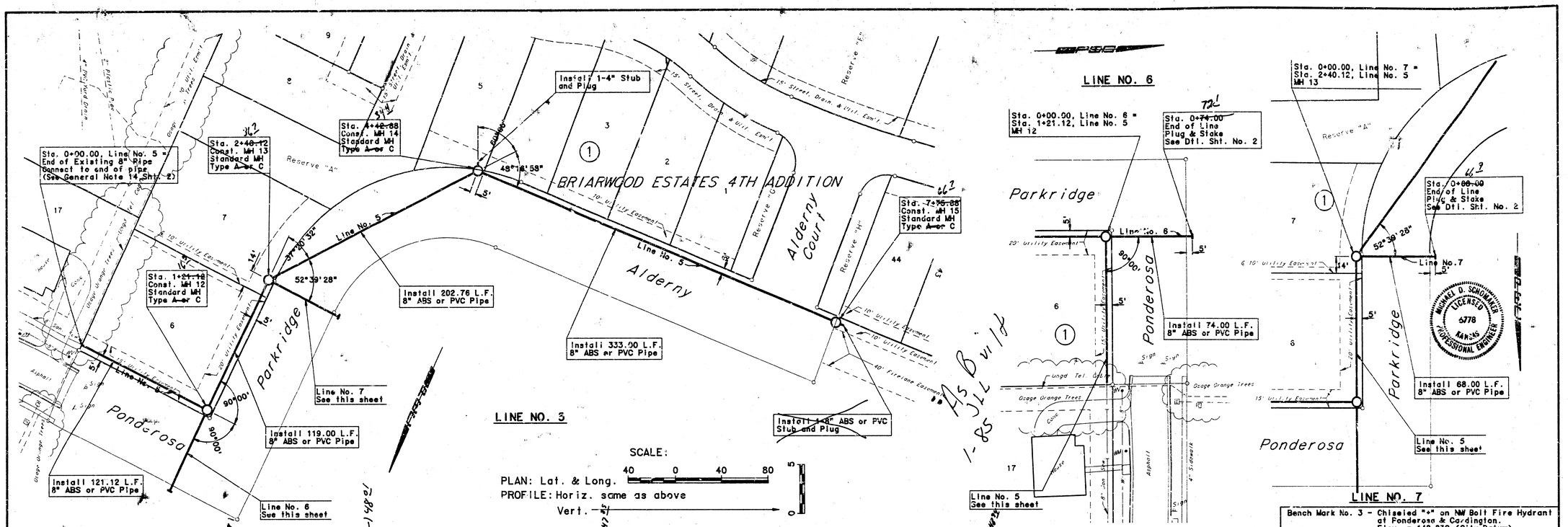
MIKE LINDEBAK, P.E., CITY ENGINEER
C.O.W. Proj. No. 468-76-245-81354-000-000-001

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

Job No. 34-837113-2
Date MAY, 1984
Designed By MDS, KLR
Drawn By ydo, CMK

Sheet 6 of 7

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LATERAL "S" MAIN 12 OF THE SOUTHWEST INTERCEPTOR SEWER

LINE NO'S 5, 6 AND 7

MIKE LINDEBAK, P.E., CITY ENGINEER
C.O.W. Proj. No. 468-76-245-61354-000-000-001

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

Designed By: MDS, KLR | Job No. 34 63713-2
Drawn By: Yoda, CWK | Date: MAY, 1984

Sheet 2 of 7