CONSTRUCTION PLANS FOR

LATERAL 108, MAIN 2
SANITARY SEWER 12

THE CITY OF WICHITA,

SEDGWICK COUNTY, KANSAS

MICHAEL E. LINDEBAK, P.E., CITY ENGINEER

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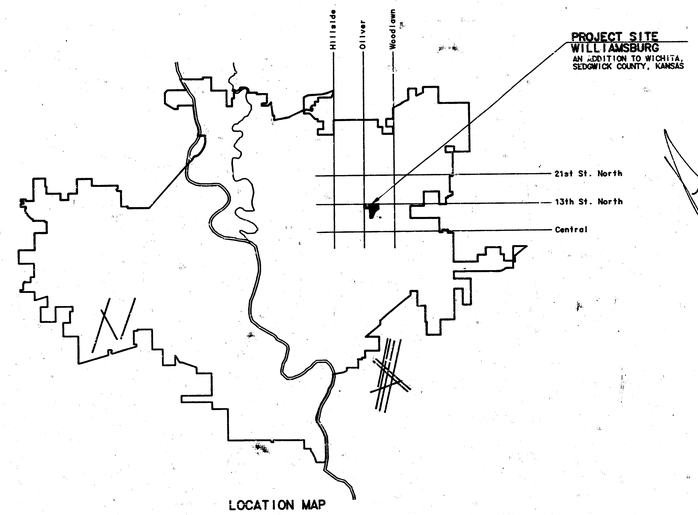


LOCATION MAP

As Built
J.L.L.
2/86

CITY OF WICHITA PROJECT NO. 468-76-245-81422-000-000-001

JANUARY, 1985

PLANS PREPARED BY

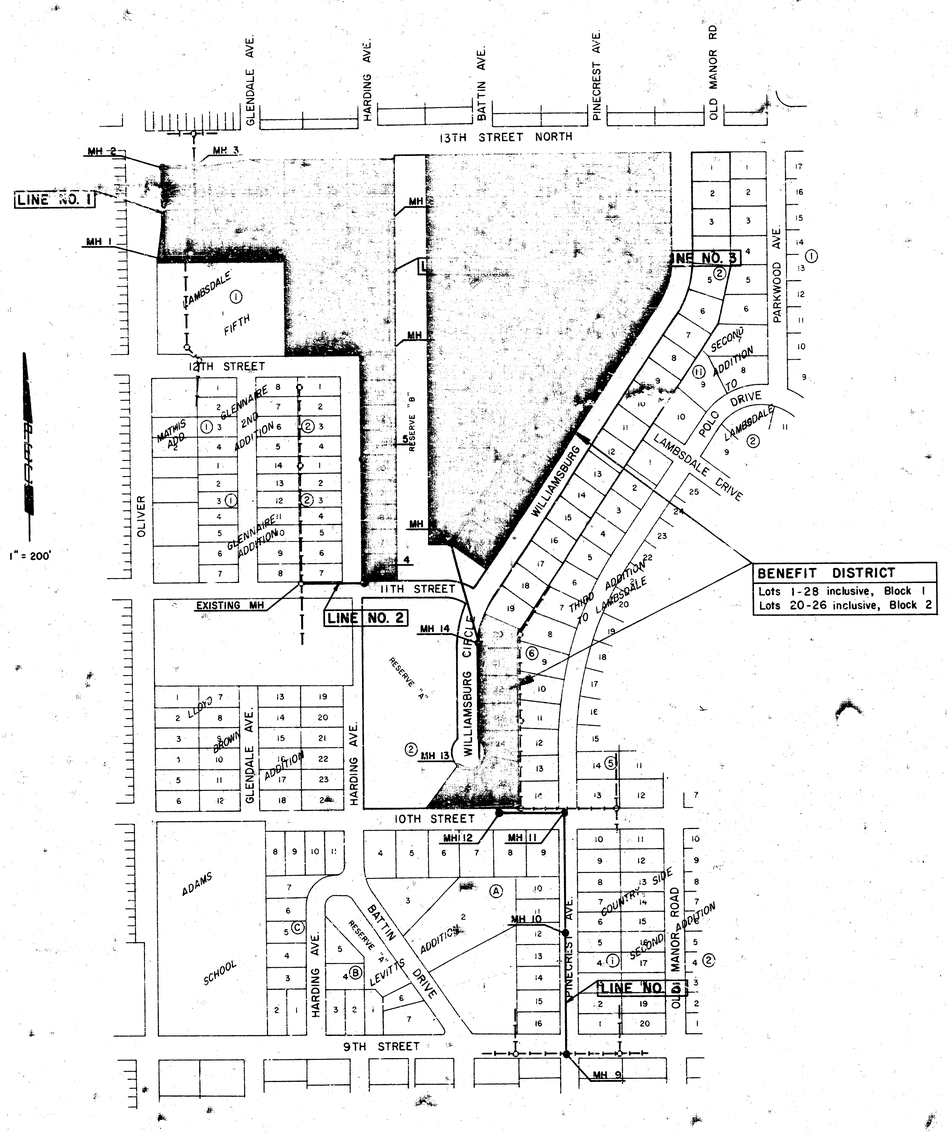
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.

ENGINEERS

WICHITA, KANSAS

BRUCE D. REMSBERG LICENSED 7992 KANSAS PROFESSIONAL ENGINEER

1/10



LINE SCHEDULE	
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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 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. & E., THE WICHITA WATER DEPARTMENT, AND AIR CAPITAL CABLEVISION.

5. THE CONTRACTOR MUST ALSO NOTIFY THE TELEPHONE COMPANY AT (913) 571-2115 48 HOURS PRIOR TO BEGINNING EXCAVATION AND REQUEST THAT ANY LINES WITHIN THE PROJECT AREA BE FLAGGED.

6. 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.

7. THE CONTRACTOR SHALL RESTORE ALL DITCHES, SWALES, ROAD SHOULDERS, ENTRANCES, AND BANK LINES TO THEIR ORIGINAL SLOPES AND GRADES EXCEPT AS SHOWN OTHERWISE.

8. 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.

9. 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.

10. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM ALL MANHOLE COVERS.

11. 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.

12. AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY AREA RESIDENCES OF STREET CLOSINGS. RECONSTRUCTION OF STREETS SHALL BE COMPLETED AS EXPEDIENTLY AS POSSIBLE USING STANDARD CONSTRUCTION PRACTICES.

13. REPLACEMENT OF PAVED STREETS AND DRIVE ENTRANCES SHALL CONFORM TO CITY OF WICHITA STANDARDS AND SPECIFICATIONS, INCLUDING MATERIALS, THICKNESSES, SLOPES, PAVEMENT JOINTS, ETC. THE CONTRACTOR SHALL MATCH EXISTING PAVEMENT GRADES AT THE LIMITS OF PAVEMENT REMOVAL AND SHALL GRADE THE ADJACENT EXISTING UNPAVED AREAS SO AS NOT TO CREATE ANY PONDING OR DRAINAGE PROBLEMS. PAYMENT FOR DRIVE APPROACH REMOVAL AND REPLACEMENT ~~ON PINECREST AVENUE~~ SHALL BE CONSIDERED AS SUBSIDIARY TO THE PAYMENT FOR PAVEMENT REMOVAL AND REPLACEMENT.

14. PAVEMENT REMOVAL AND/OR REPLACEMENT WILL BE MEASURED AND PAID FOR ON THE LINEAL FOOT BASIS AS MEASURED ALONG THE CENTERLINE OF THE SEWER REGARDLESS OF WIDTH, PAVEMENT TYPE AND/OR PAVEMENT THICKNESS. MINIMUM LIMITS OF SUCH PAVEMENT REMOVAL AND REPLACEMENT SHALL BE ONE FOOT BEYOND THE LIMITS OF THE EXCAVATION MADE FOR THE SEWER OR THE STRUCTURE. REMOVAL AND REPLACEMENT OF EXISTING PAVEMENT SHALL CONFORM TO THE APPLICABLE SECTIONS OF THE CITY OF WICHITA STANDARD SPECIFICATIONS.

BRUCE D. RAMSEY
LICENSED
7982
KANSAS
PROFESSIONAL ENGINEER

No.	Revision	By	Date

LATERAL 108, MAIN 2
SANITARY SEWER 12

KEY MAP

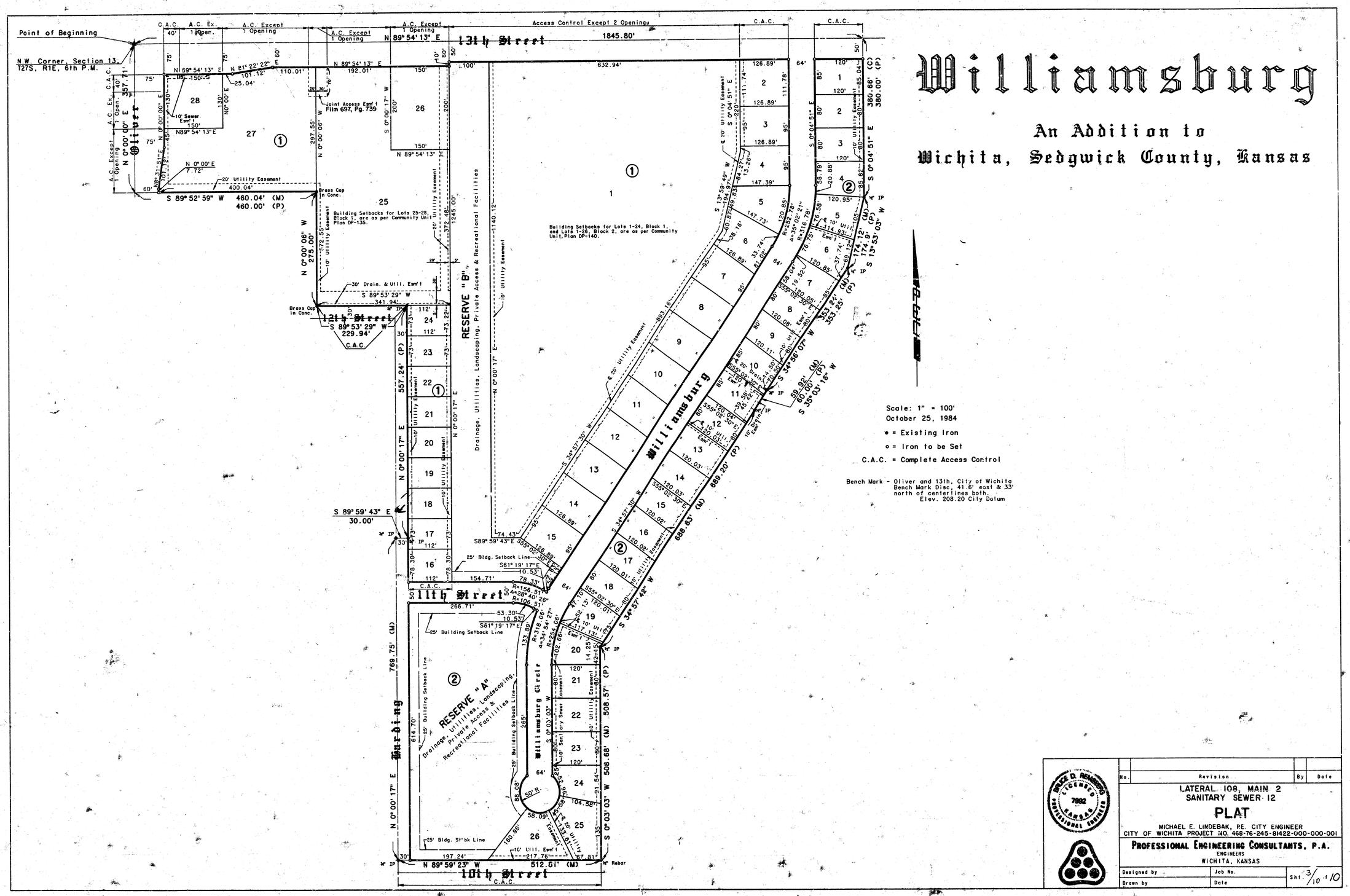
MICHAEL E. LINDESAK, P.E. CITY ENGINEER
CITY OF WICHITA PROJECT NO. 468-76-245-81422-000-000-001

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

Designed by DDR, RFJ	Job No. 34-84541-5	Sht. 2/10
Drawn by GM	Date January 1985	

Williamsburg

An Addition to Wichita, Sedgwick County, Kansas



No.	Revision	By	Date

LATERAL 108, MAIN 2
SANITARY SEWER 12

PLAT

MICHAEL E. LINDEBAK, P.E. CITY ENGINEER
CITY OF WICHITA PROJECT NO. 468-76-245-81422-000-000-001

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

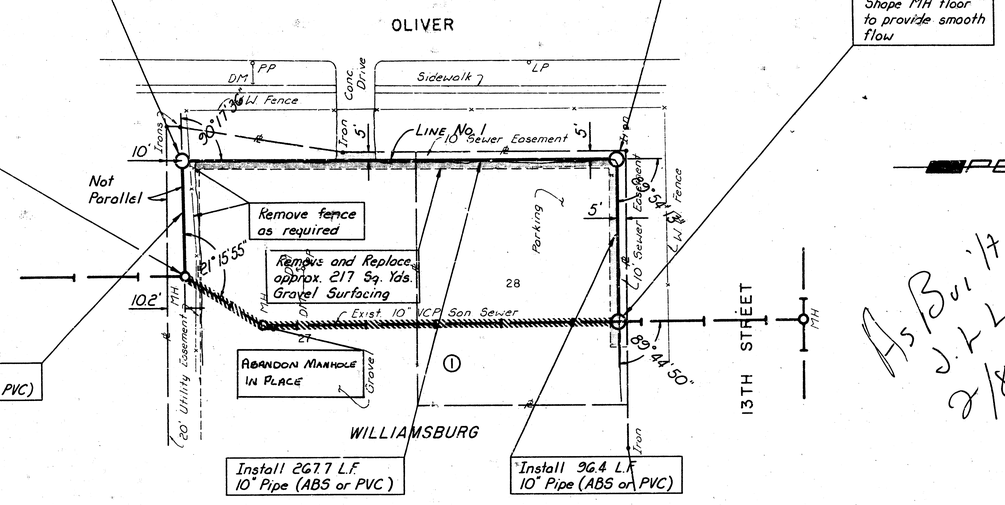
Designed by	Job No.	Sht. 3/10
Drawn by	Date	

Sta. 0+00.0
Break into Exist. brick MH and install pipe. Grout water tight with non-shrink grout. Shape MH floor to provide smooth flow.

Sta. 0+~~68.2~~ 58.2
Const. MH 1
Standard MH
Type ~~B or C~~ D

Sta. 3+~~35.0~~ 15.8
Const. MH 2
Standard MH
Type ~~B or C~~ D

Sta. 4+~~32.3~~ 02.3
Const. MH 3
on Exist. 10" San. Sewer
Standard MH
Type ~~B or C~~ D
Shape MH floor to provide smooth flow



PEC

As Built
J.L.L.
2/86

SCALE

PLAN: Lat. & Long. 0 40 80

PROFILE: Horiz. same as above
Vertical 5 0

BRUCE D. REMSBERG LICENSED 7982 KANSAS PROFESSIONAL ENGINEER

Existing 10" VCP San. Sewer to be abandoned in place

Construct 8" thick brick masonry plugs at each end of pipe to be abandoned in place and at each side of the manhole to be abandoned in place. (4 required.)

NOTE: The Contractor shall verify the location and elevation of the Exist. 10" San. Sewer at proposed MH 3 prior to construction. The Contractor shall notify the Engineer immediately if it appears that adjustments to the proposed MH location or elevations are necessary.

BM: Oliver and 13th St., City of Wichita Bench Mark Disc, 41.6' east and 33' north of centerlines both. Elev. = 208.20 (City Datum)

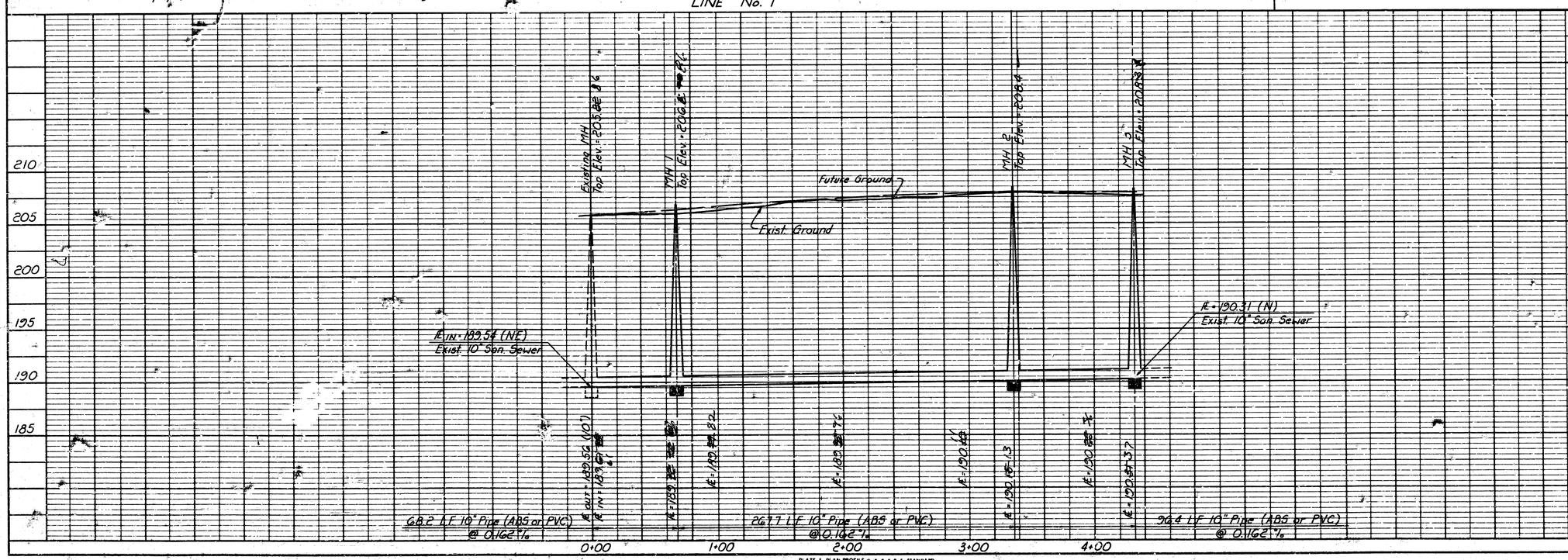


PLATE 1 PLAN-PROFILE D. P. R. & R. E. STANDARD
EUGENE DIETZGEN CO.

PLAN	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	ALIGNMENT CHECKED		
	R.L. OR P.L. CHECKED		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	GRADES CHECKED		
	R.L. OR P.L. CHECKED		
	STRUCTURE NOTAT'N CHKD		

LATERAL 108, MAIN 2
SANITARY SEWER 12

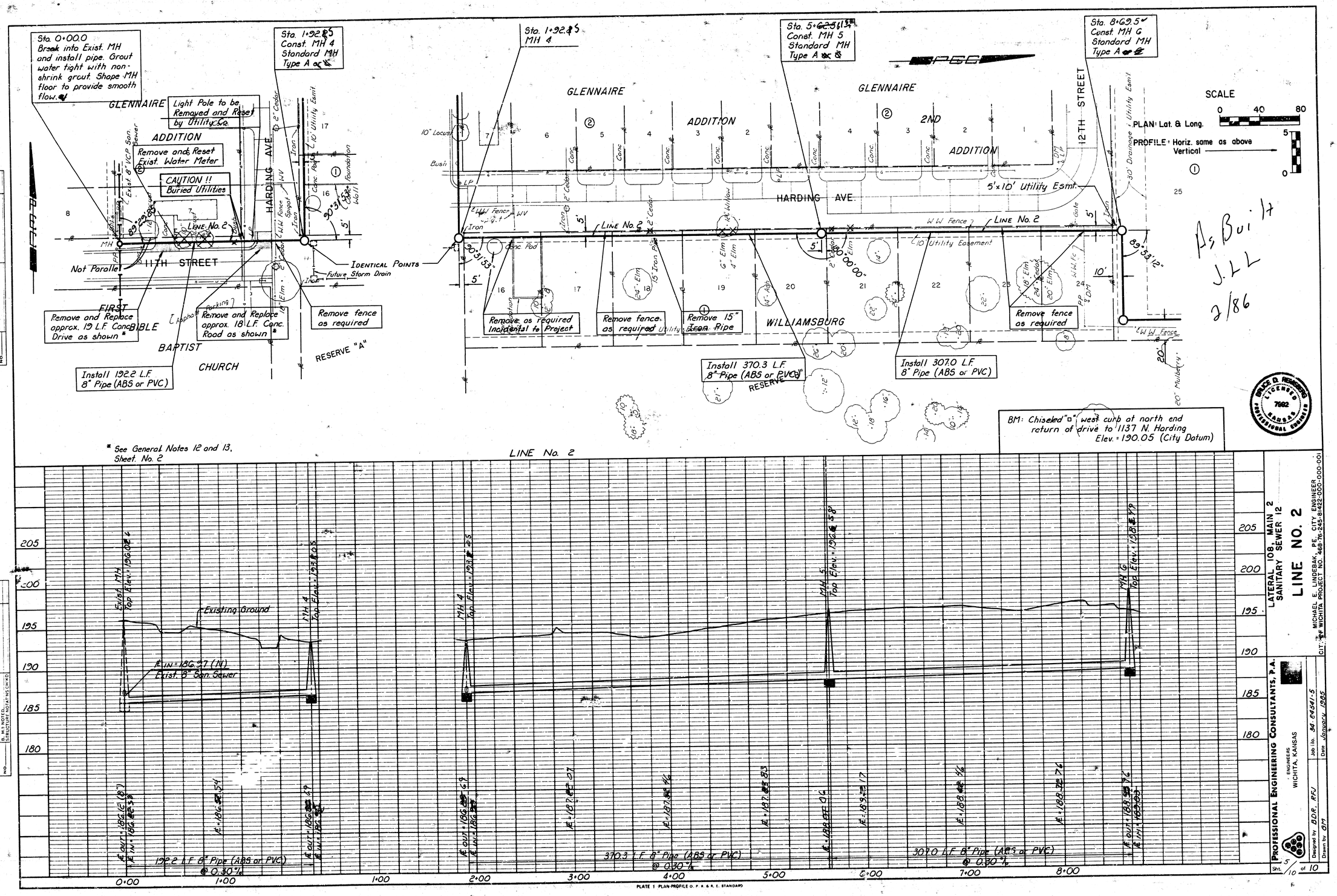
LINE NO. 1

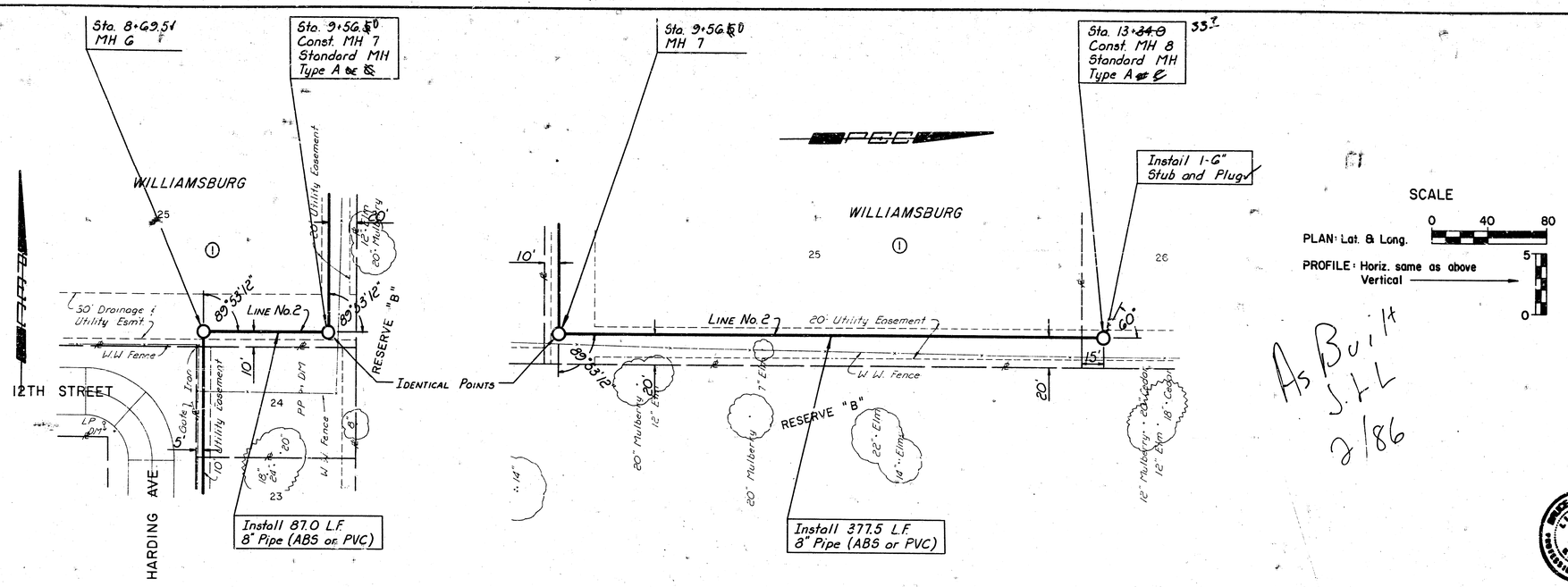
MICHAEL E. LINDEBAK, P.E., CITY ENGINEER
CITY OF WICHITA PROJECT NO. 468-76-245-81422-000-000-001

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

Designed by B.D.R. P.E.J.
Drawn by D.M.
Job No. 34-84541-5
Date January 1985

Sht. 4 of 10


Sta. 0+00.0
Break into Exist. MH and install pipe. Grout water tight with non-shrink grout. Shape MH floor to provide smooth flow.
Sta. 1+92.85
Const. MH 4
Standard MH Type A
Sta. 1+92.85
MH 4
Sta. 5+61.5
Const. MH 5
Standard MH Type A
Sta. 8+69.5
Const. MH 6
Standard MH Type A
GLENNAIRE ADDITION
GLENNAIRE 2ND ADDITION
Light Pole to be Removed and Reset by Utility Co.
Remove and Reset Exist. Water Meter
CAUTION !! Buried Utilities
Exist. 8" VCP San. Sewer
HARDING AVE.
12TH STREET
11TH STREET
LINE No. 2
Not Parallel
IDENTICAL POINTS
Future Storm Drain
FIRST BIBLE BAPTIST CHURCH
RESERVE "A"
Remove and Replace approx. 19 L.F. Conc. Drive as shown *
Remove and Replace approx. 18 L.F. Conc. Road as shown *
Remove fence as required
Install 192.2 L.F. 8" Pipe (ABS or PVC)
Remove as required Incidental to Project
Remove fence as required
Remove 15" Iron Pipe
Install 370.3 L.F. 8" Pipe (ABS or PVC)
WILLIAMSBURG
Remove fence as required
Install 307.0 L.F. 8" Pipe (ABS or PVC)
5'x10' Utility Esmt.
10' Utility Easement
30' Drainage & Utility Esmt.
SCALE
0 40 80
PLAN: Lat. & Long.
PROFILE: Horiz. same as above
Vertical
As Built
J.L.L.
2/86
BM: Chiseled "□" west curb at north end return of drive to 1137 N. Harding Elev. = 190.05 (City Datum)
* See General Notes 12 and 13, Sheet No. 2
LINE No. 2
Exist. MH Top Elev. = 190.02
MH 4 Top Elev. = 192.85
MH 5 Top Elev. = 196.58
MH 6 Top Elev. = 198.79
Existing Ground
Exist. 8" San. Sewer
192.2 L.F. 8" Pipe (ABS or PVC) @ 0.30%
370.3 L.F. 8" Pipe (ABS or PVC) @ 0.30%
307.0 L.F. 8" Pipe (ABS or PVC) @ 0.30%
0+00
1+00
2+00
3+00
4+00
5+00
6+00
7+00
8+00
PLATE 1 PLAN-PROFILE O. P. R. & R. E. STANDARD
EUGENE DIETZGEN CO.
LATERAL 108, MAIN 2
SANITARY SEWER 12
LINE NO. 2
MICHAEL E. LINDEBAK, P.E., CITY ENGINEER
CITY OF WICHITA PROJECT NO. 468-76-245-81422-000-000-001
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
ENGINEERS
WICHITA, KANSAS
Job No. 34-84541-5
Date January 1985
Designed by DDR, RFJ
Drawn by DTT
Sht. 5/10 of 10
PLAN
PROFILE
DATE
BY
SURVEYED
PLOTTED
GRADES CHECKED
STRUCTURE NOTATIONS CHKD
ALIGNMENT CHECKED
RT. OF WAY CHECKED
NOTE BOOK
NO.



As Built
J.T.L.
2/86

BM: Chiseled "a" on curb at midpoint of curve 22' south of centerline 12th St. and 26' west of centerline Harding Ave. Elev.=198.48 (City Datum)

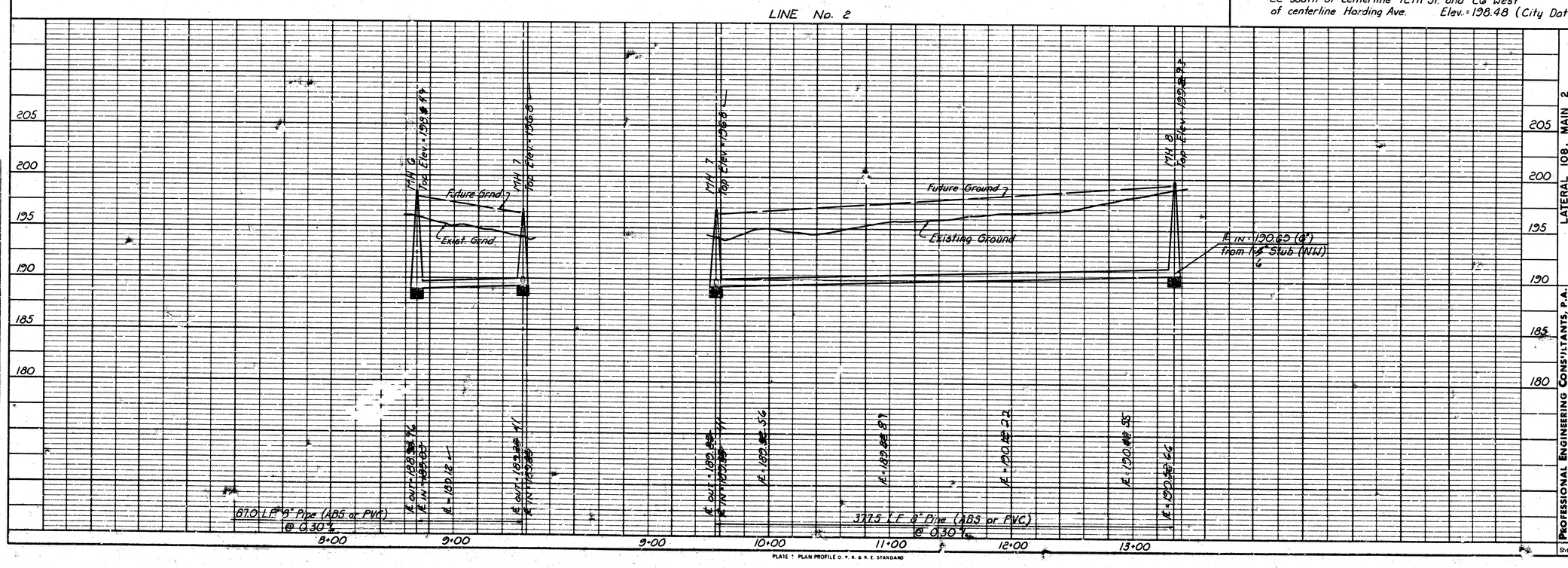


PLATE 1 PLAN-PROFILE O. P. R. & R. E. STANDARD

EUGENE DIETZGEN CO.

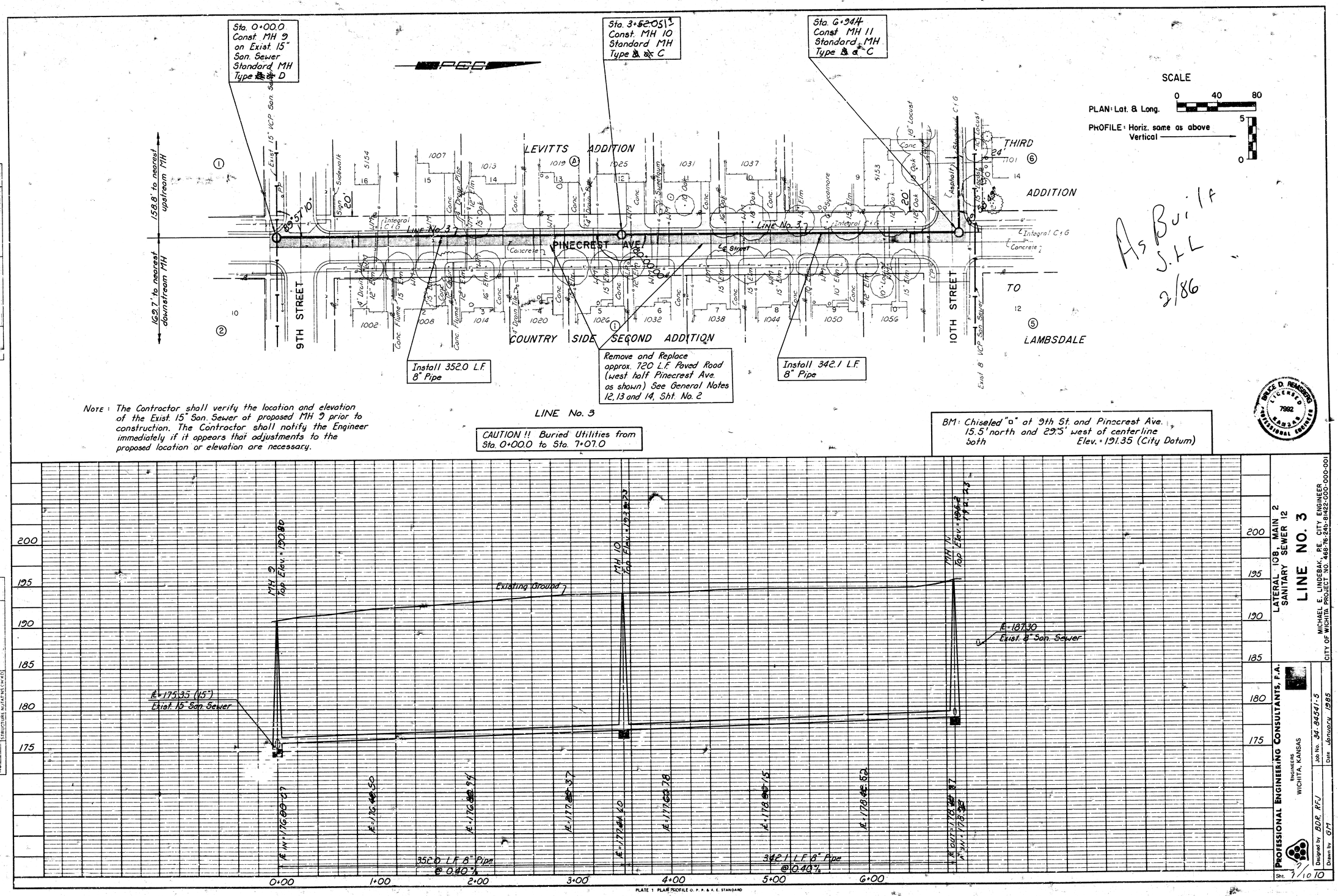
LATERAL 108, MAIN 2
SANITARY SEWER 12

LINE NO. 2

MICHAEL E. LINDEBAK, P.E. CITY ENGINEER
CITY OF WICHITA PROJECT NO. 468-76-245-8162-000-000-001

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

Designed by BDR, RKJ
Drawn by GFT
Job No. 34-84541-5
Date January 1985
Sht. 6 of 10



NOTE: The Contractor shall verify the location and elevation of the Exist. 15" San. Sewer at proposed MH 9 prior to construction. The Contractor shall notify the Engineer immediately if it appears that adjustments to the proposed location or elevation are necessary.

LINE No. 3

CAUTION !! Buried Utilities from Sta. 0+00.0 to Sta. 7+07.0

BM: Chiseled "□" at 9th St. and Pinecrest Ave. 15.5' north and 29.5' west of centerline both
Elev. = 191.35 (City Datum)

BRUCE D. REMSBERG LICENSED 7992 KANSAS PROFESSIONAL ENGINEER

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED. NOTE BOOK NO. DATE BY

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, BARS PLOTTED, STRUCTURE NO. JAT NO. CH. NO. DATE BY

PLATE 1 PLAN PROFILE O. P. R. & R. E. STANDARD

EUGENE DIETZGEN CO.

LATERAL 108, MAIN 2
SANITARY SEWER 12

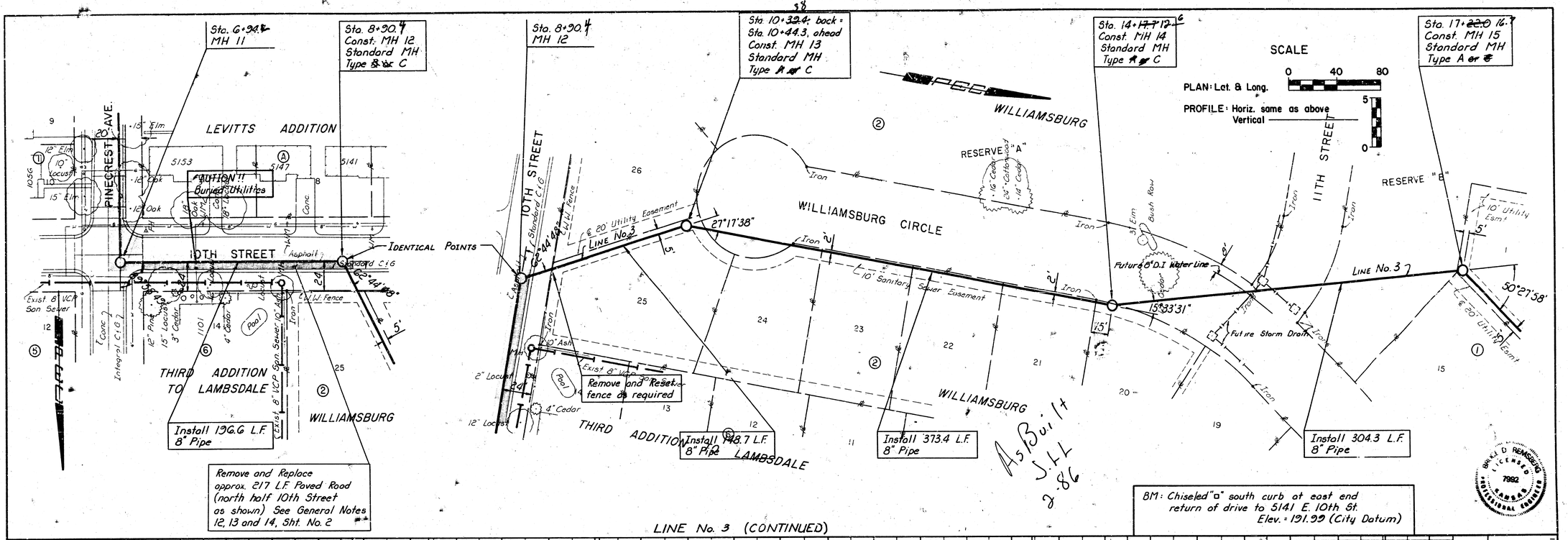
LINE NO. 3

MICHAEL E. LINDEBAK, P.E., CITY ENGINEER
CITY OF WICHITA PROJECT NO. 468-76-245-81422-000-000-001

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

Designed by BDR RFJ
Drawn by GTT
Job No. 34.84541-5
Date January 1985

Sht. 7/10 10



LINE No. 3 (CONTINUED)

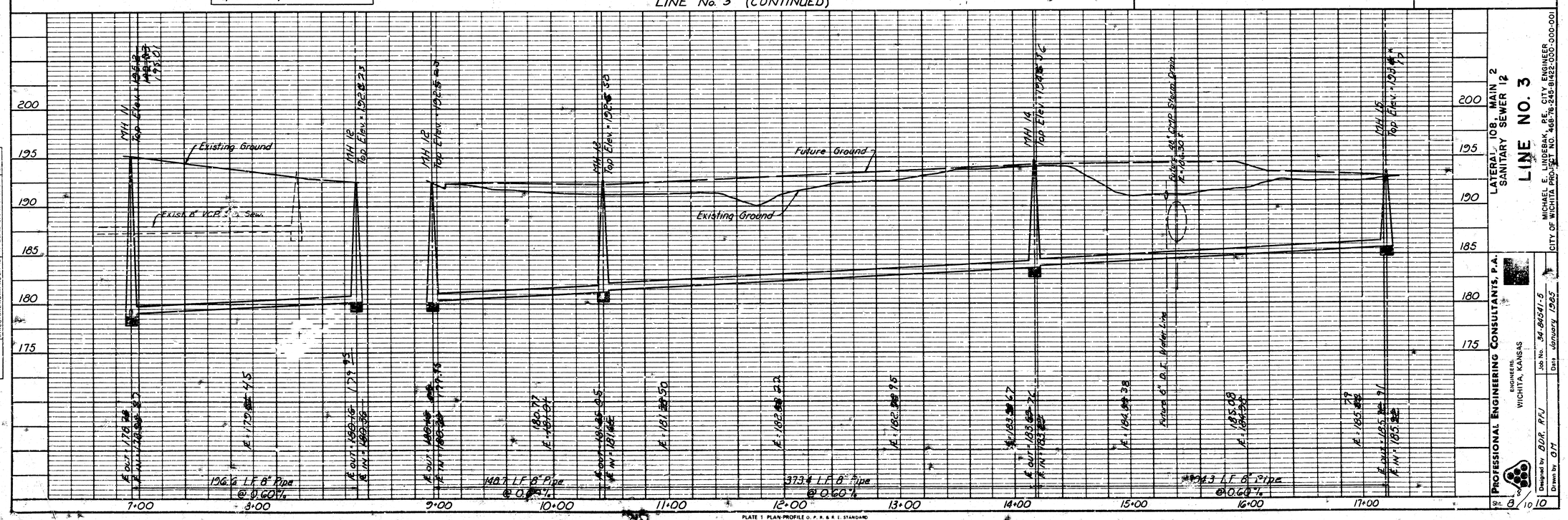


PLATE 1 PLAN-PROFILE O. P. R. & R. I. STANDARD

EUGENE DIETZGEN CO.

PLAN	
SURVEYED	
PLOTTED	
CROSS SECTIONS CHECKED	
NOTE BOOK	RT. OF WAY CHECKED
NO.	

PROFILE	
SURVEYED	
PLOTTED	
GRADES CHECKED	
NOTE BOOK	STRUCTURE NOTAT'NS CHECKED
NO.	

DATE	BY

LATERAL 108, MAIN 2
SANITARY SEWER 12

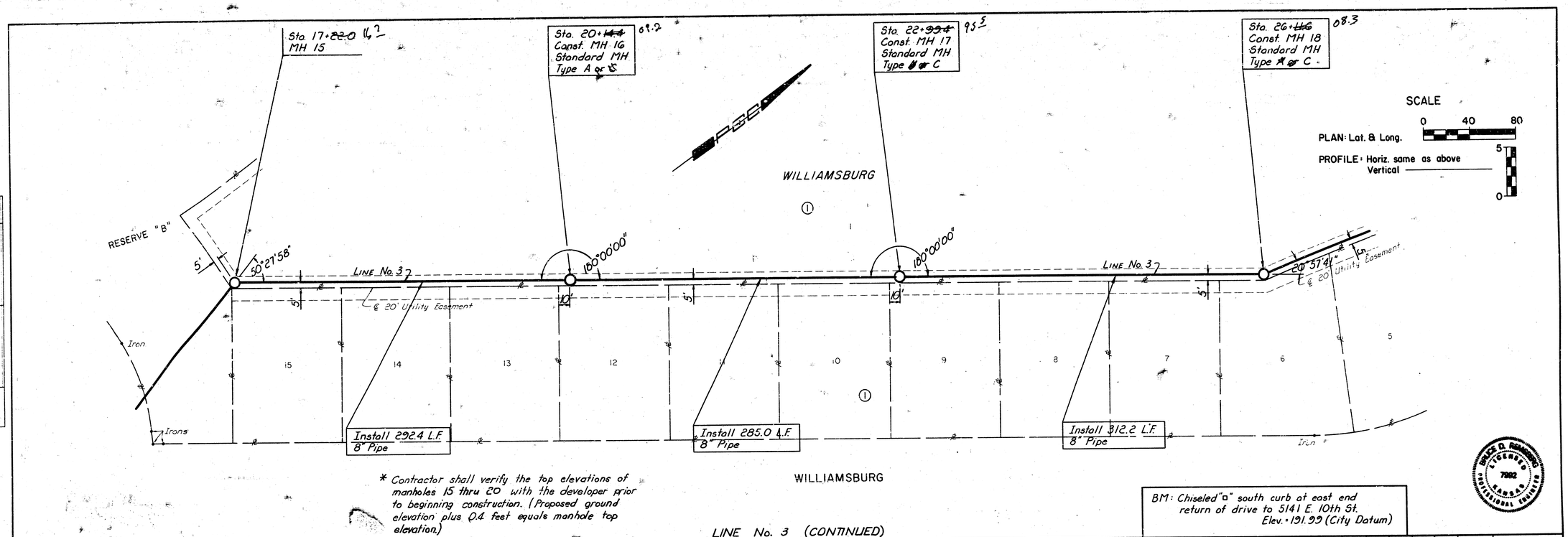
LINE NO. 3

MICHAEL E. LINDEBAK, P.E., CITY ENGINEER
CITY OF WICHITA PROJECT NO. 468-PE-2468-81-22-000-000-001

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

Job No. 34-86341-5
Date January 1985
Designed by D.D.R. R.F.J.
Drawn by D.T.F.

Sht. 8/10 10



* Contractor shall verify the top elevations of manholes 15 thru 20 with the developer prior to beginning construction. (Proposed ground elevation plus 0.4 feet equals manhole top elevation.)

BM: Chiseled "□" south curb at east end return of drive to 5141 E. 10th St. Elev. = 191.99 (City Datum)

LINE No. 3 (CONTINUED)

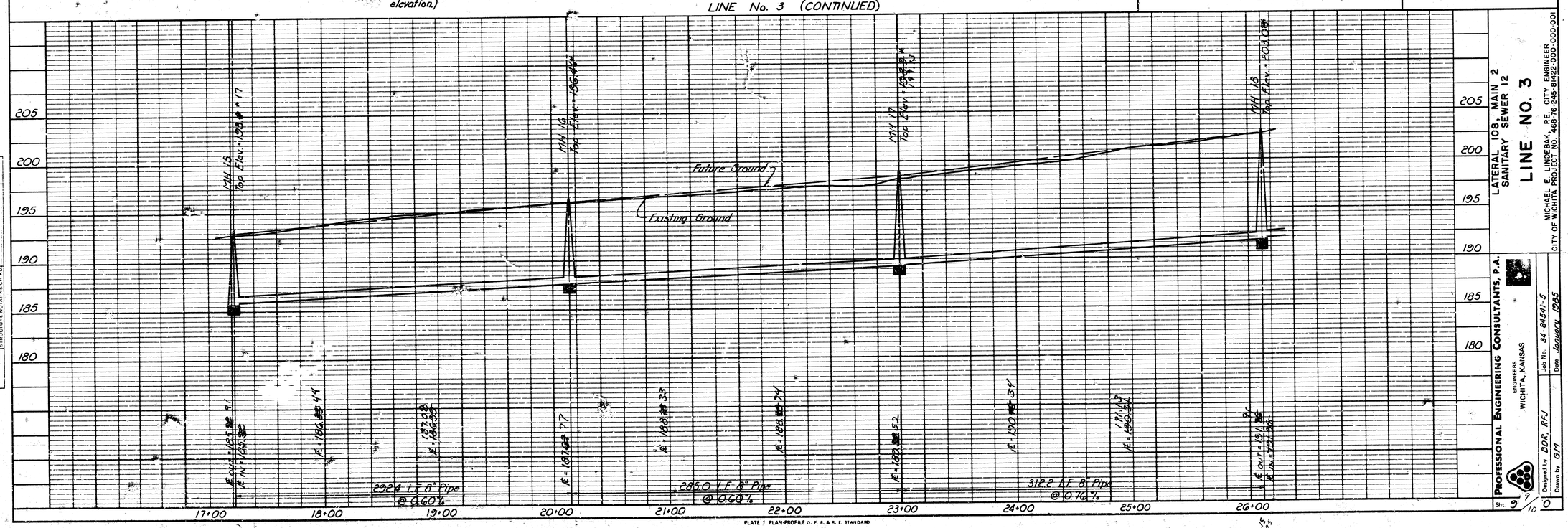


PLATE 1 PLAN-PROFILE O. P. W. & K. E. STANDARD

EUGENE DIETZGEN CO

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT.-OF-WAY CHECKED, NOTE BOOK NO., BY, DATE

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, STRUCTURE NOTATIONS CHKD, NOTE BOOK NO., BY, DATE

LATERAL 108, MAIN 2
SANITARY SEWER 12

LINE NO. 3

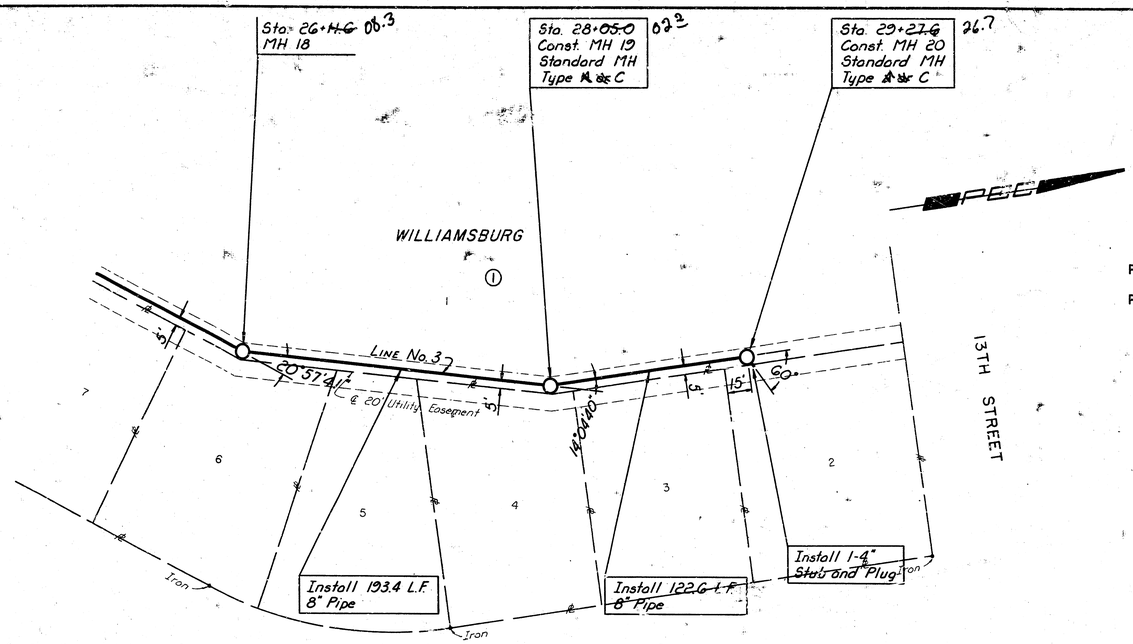
CITY OF WICHITA PROJECT NO. 468-78-245-8/422-000-000-001

MICHAEL E. LINDEBAK, P.E., CITY ENGINEER

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

Job No. 34-84541-5
Date January 1985
Designed by DDR, RFJ
Drawn by GTM

Sht. 9/10 0



SCALE

PLAN: Lat. & Long. 0 40 80

PROFILE: Horiz. same as above
Vertical 5 0

As Built
J.L.L.
2-86

* Contractor shall verify the top elevations of manholes 15 thru 20 with the developer prior to beginning construction. (Proposed ground elevation plus 0.4 feet equals manhole top elevation.)

BM: Chiseled "a" at 13th St. and Old Manor 30' west and 24.5' north of centerline both. Elev. = 209.61 (City Datum)

LINE No. 3 (CONTINUED)

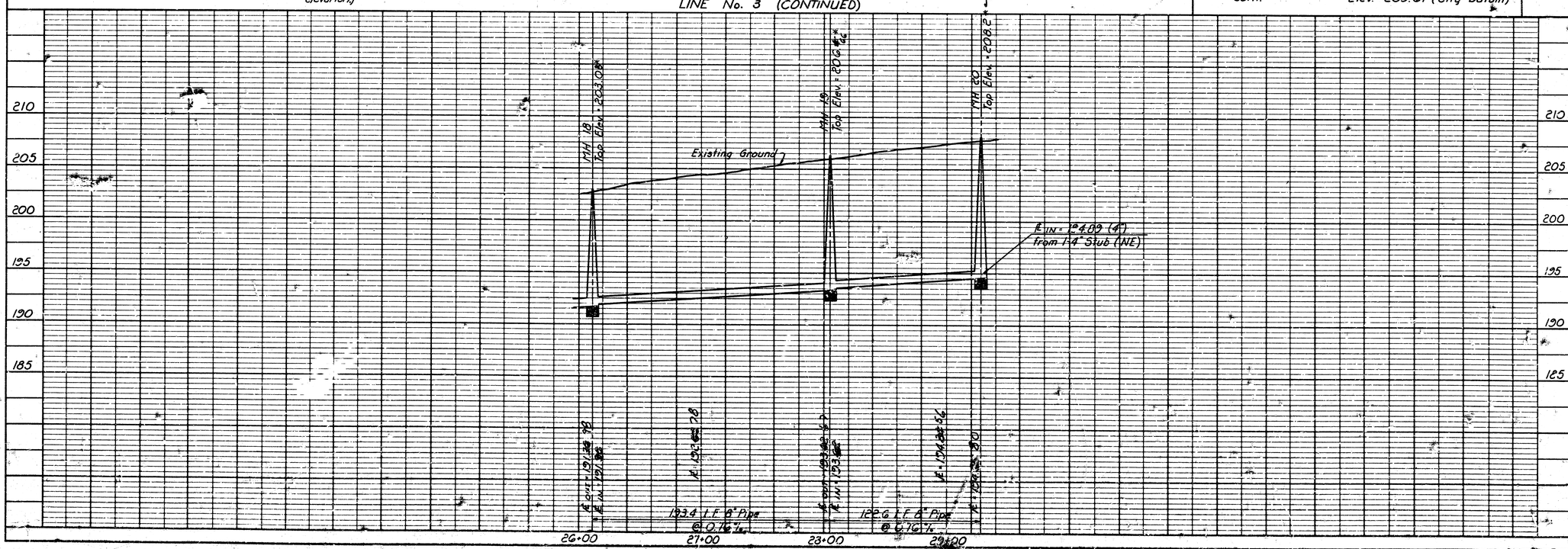


PLATE 1 PLAN-PROFILE O. P. R. & R. E. STANDARD

EUGENE DIETZGEN CO.

PLAN		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	ALIGNMENT CHECKED		
NO.	RT. OF WAY CHECKED		

PROFILE		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	GRADES CHECKED		
NO.	BATTER BOARDS		
	STRUCTURE NOTATIONS CHKD		

BRUCE D. REDMOND
LICENSED
7892
KANSAS
PROFESSIONAL ENGINEER

LATERAL 108, MAIN 2
SANITARY SEWER 12

LINE NO. 3

MICHAEL E. LINDEBAK, P.E. CITY ENGINEER
CITY OF WICHITA PROJECT NO. 468-76-245-8422-000-000-001

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

Designed by BDR, RFJ
Drawn by BM
Job No. 34-8454-1-5
Date January 1985

Sht. 10 of 10