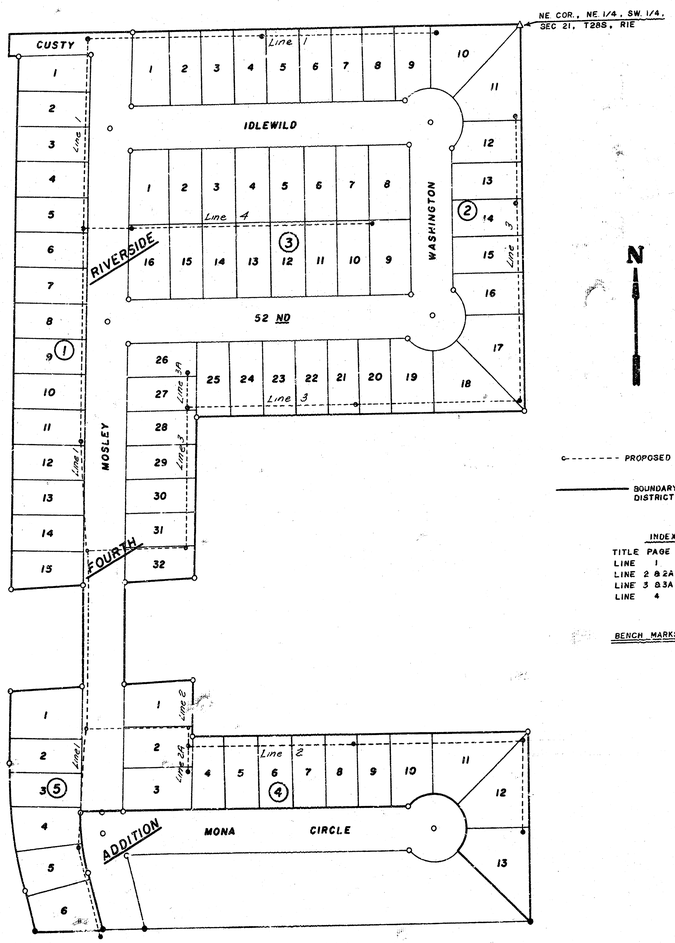
LATERAL 20, MAIN 2, SOUTHWEST INTERCEPTOR SEWER

CITY OF WICHITA, KANSAS

R. W. BRUGGEMAN: DIRECTOR OF ENGINEERING/CITY ENGINEER

PROJECT NO. 468-76-245-81086-000-000-001



PROPOSED SAN. SEWER

BOUNDARY OF IMPROVEMENT DISTRICT

INDEX TO SHEETS

TITLE PAGE	——	SHEET 1
LINE 1	——	SHEET 2 & 3
LINE 2 & 2A	——	SHEET 4
LINE 3 & 3A	——	SHEET 5 & 6
LINE 4	——	SHEET 6

BENCH MARKS - 84.56' - NW "M" IN MUELLER ON FIRE HYDRANT AT NW COR. OF MEAD & 53RD ST. SO.

77.54' - "D" SO. END OF CONC. HEADWALL, W. END OF KTA DRAINAGE STRUCTURE APPROX. 126' W OF WL MOSLEY.

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.

NOTE: RISER PIPE SHALL BE INSTALLED TO SERVE INDIVIDUAL LOTS OR TRACTS IN CONJUNCTION WITH NEW SANITARY SEWER CONSTSUCTION, UNLESS OTHERWISE ORDERED BY THE ENGINEER, BECAUSE OF GROUND WATER, UNSTABLE SOIL OR UNUSUALLY DEEP CONSTRUCTION. RISER LOCATIONS SHALL BE AS APPROVED BY THE PROPERTY OWNER WITH THE CONCURRENCE OF THE ENGINEER. INSTALLATION OF RISERS ON SEWERS BECAUSE OF UNUSUAL DEPTH WILL BE REQUIRED WHEN THE SEWER IS DEEPER THAN TWELVE FEET (12'). THE CONTRACTOR WILL BE REQUIRED TO FILE WRITTEN DOCUMENTATION WITH THE ENGINEER IN A FORM APPROVED BY THE ENGINEER INDICATING THE LOCATIONS WHERE RISERS ARE TO BE INSTALLED AS REQUESTED BY THE PROPERTY OWNER OR HIS AUTHORIZED REPRESENTATIVE. RISER PIPE CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS AS SHOWN ON THE STANDARD RISER DETAIL SHEET.

As Built
6-82
J.L.L.

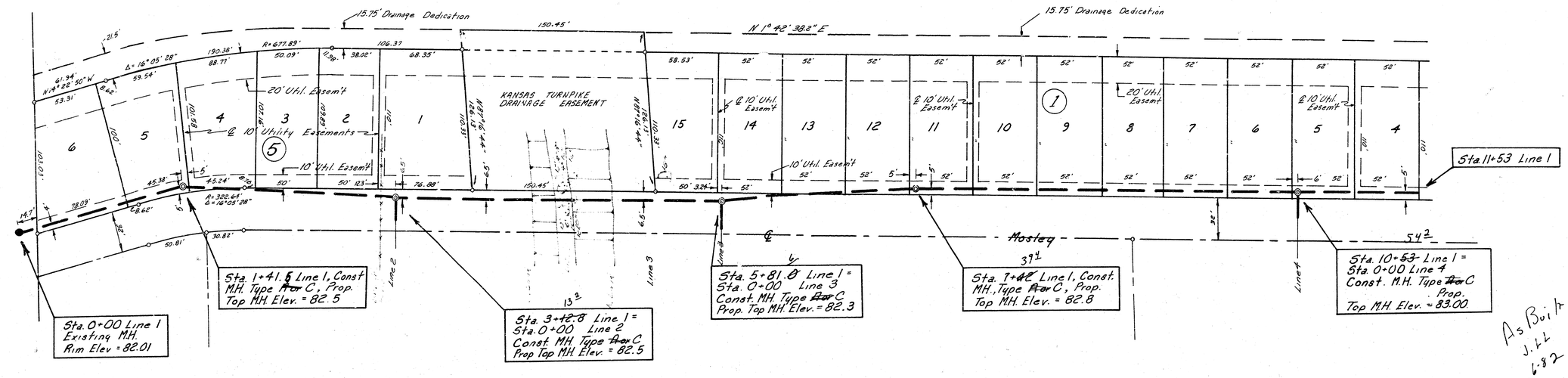
DONALD E. SCHNIDER
LICENSED
6311
KANSAS
PROFESSIONAL ENGINEER

Bid 1-19-82

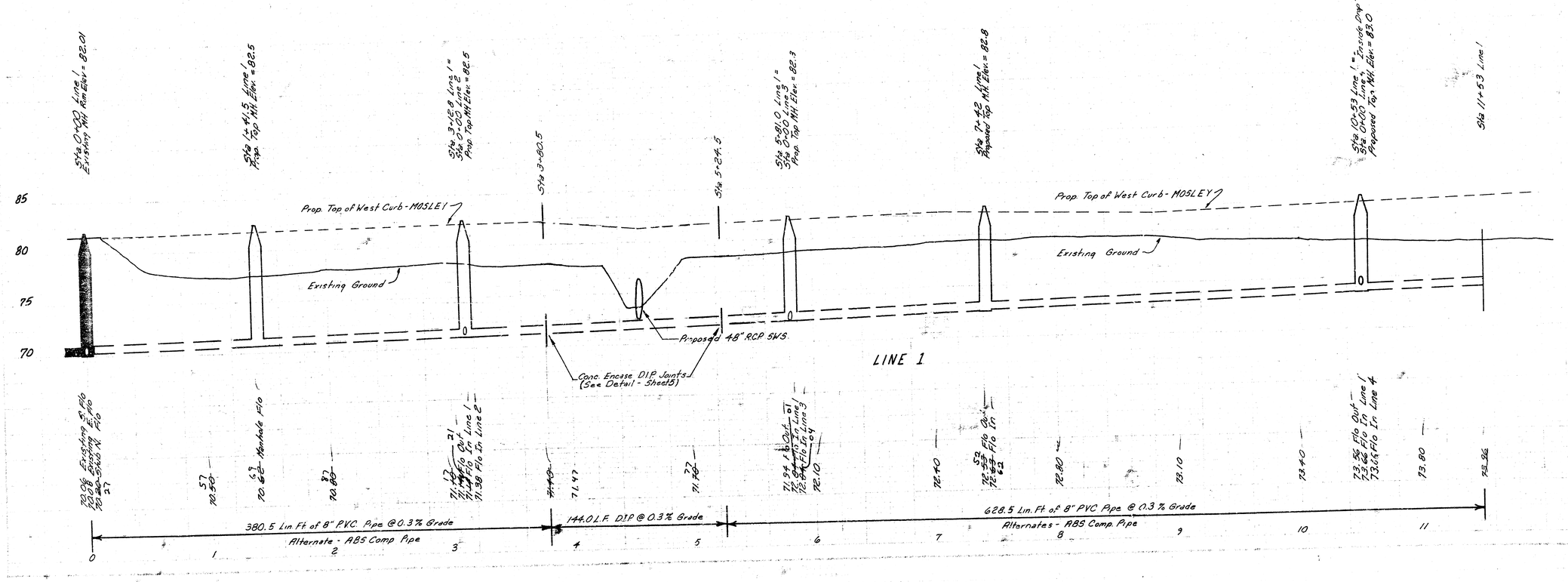
LATERAL 20, MAIN 2, S.W.I.
PROJECT NO. 468-76-245-81086-000-000-001
LINE 1 SHEET 2

N

SCALE: 1"=40' Plan
Horz. 1"=40'
Vert 1"=5' Profile



As Built J.L.L. 6-82



LATERAL 20, MAIN 2, S.W.I.
PROJECT NO. 468-76-245-81086-000-000-001
LINE 1 SHEET 3

Sta 13+~~34.5~~ Line 1
Const. M.H. Type ~~A~~ C
Install 10'-8" Stub, N ✓
Prop. Top M.H. Elev. = 82.8
(Note: MH. in future Street Part)

Sta 16+~~06~~ Line 1
Const. M.H. Type A ✓
Prop. Top M.H. Elev. = 82.8

Sta 18+76 Line 1. Const. M.H. Type A; Prop. Top M.H. Elev. = 82.0; Install 4" Stub, S~~W~~. ✓

NE Cor., NE¼, SW¼, Sec. 21, T28S, R1E.

Custy

Mosley

Prop. 8" Water Main

20' Utility Easement

@ 10' Utility Easement

Idlewild

Prop. 8" Water Main

15.75' Drainage Dedication

20' Util. Easem't

Sta. 11+53 Line 1

SCALE: 1" = 40' Plan
Horz. 1" = 40' Profile
Vert. 1" = 5' Profile

N

As Built
6-82
J.A.L.

Sta 11+53 Line 1

Sta 13+~~34.5~~ Line 1
Prop. Top M.H. Elev. = 82.8

Mosley

Sta 16+~~06~~ Line 1
Prop. Top M.H. Elev. = 82.8

Sta 18+76 Line 1
Prop. Top M.H. Elev. = 82.0
Install 4" Stub, SW

Prop. Top of West Curb - MOSLEY

Existing Ground

Prop. Top of North Curb - IDLEWILD

LINE 1

85
80
75
70

73.96 | 74.10 | 74.40 | 74.87 | 75.27 | 76.07 | 76.47 | 76.79

74.87 Flo Out
74.67 Flo In
74.67 Flo In 10"x8" 3Deg. Bend
@ 0.3%

75.67
75.50 Flo

76.79 Flo Out
Install 4" Stub, SW

181.5 L.F. 8" PVC. Pipe @ 0.3% Grade
Alternate - ABS. Comp. Pipe

541.5 Lin. Ft. 3" PVC. Pipe @ 0.4% Grade
Alternates - ABS. Comp. Pipe or V.C.P.

12 | 13 | 14 | 15 | 16 | 17 | 18 | 19

5/6

LATERAL 20, MAIN 2, S.W.I.

PROJECT NO. 468-76-245-81086-000-000 001
LINE 2 & 2A SHEET 4

Sta 0+00 Line 2 = Sta 3+12.8 Line 1
Prop. Top MH Elev = 82.5

Sta. 1+62.5 Line 2
Const. MH Type ~~Rect.~~ C
Prop. Top MH Elev. = 82.0

Sta 1+90.4 Line 2 = Sta. 0+00 Line 2A
Const. MH Type ~~Rect~~ C
Prop. Top MH Elev. = 82.5
Install 4" Stub, W.

Sta. 4+46.4 Line 2
Const. MH Type ~~Rect~~ C
Prop. Top MH Elev. = 80.5

Sta. 7+10.0 Line 2
Const. MH Type ~~Rect~~ C
Prop. Top MH Elev. = 81.0

Sta. 8+47.0 Line 2
Const. MH Type ~~Rect~~ A
Prop. Top MH Elev. = 81.0
Install 4" Stub, SW

Sta. 0+35.4 Line 2A
Const. MH Type ~~Rect~~ C
Prop. Top MH Elev. = 82.0
Install 4" Stub, SW

Mona Circle

Mosley

Reserve "B"

15' Access and Maintenance Easement

20' Utility Easement

20' Drainage Easement

Prop. 8" Water Main

Power Pole

6" Hedge Trees

N 87° 16' 44" E

N 89° 32' 06" E

N 0° 42' 38" E

524.52'

519.02'

191.29'

157.89'

SCALE: 1" = 40' Plan
Horz. 1" = 40' Profile
Vert. 1" = 5' Profile

N

LINE 2

Sta 0+00 Line 2 = Sta 3+12.8 Line 1
Sta 1+62.5 Line 2
Prop. Top MH Elev = 82.0
Sta 1+90.4 Line 2 = Sta 0+00 Line 2A
Prop. Top MH Elev = 82.5
Install 4" Stub, W.
Sta 4+46.4 Line 2
Prop. Top MH Elev = 80.5
Sta 5+59.7
Sta 5+77.7
Sta 7+10.0 Line 2
Prop. Top MH Elev = 81.0
Sta 8+47.0 Line 2
Prop. Top MH Elev = 81.0
Install 4" Stub, SW

MOSLEY

Prop. Top of East Curb - MOSLEY

Proposed Top of North Curb - MONA CIRCLE

Proposed Top of Curb - Mona Circle Cul-de-sac

℄ Prop. 8" RC Water

Existing Ground

Proposed 24" SWS

Conc. Encase D.I.P. Joints (See Detail - Sheet 5)

85
80
75
70

LINE 2A

Sta 0+00 Line 2A = Sta 1+62.5 Line 2

Top of East Curb - MOSLEY

North Curb - MONA CIRCLE

Existing Ground

85
80
75
70

Flo In Line 1 — 71.38
Flo In Line 2 — 71.38

Flo Out — 72.03
Flo In — 72.03

Flo Out Line 2 — 72.54
Flo In Line 2A — 72.34
Install 4" Stub, W

71.78

72.18

73.18

Flo Out — 73.37
Flo In — 73.37

73.59

73.83

Flo Out — 74.16
Flo In — 74.16

74.53

Flo Out — 74.67
Install 4" Stub, SW

446.7 Lin. Ft. 8" PVC. Pipe @ 0.4% Grade
Alternates - ABS Comp. Pipe or V.C.P.

113.0 Lin. Ft. 8" PVC Pipe @ 0.3% Grade

132.3 Lin. Ft. 8" PVC. Pipe @ 0.3% Grade

18 Lin. Ft. 8" D.I.P. @ 0.3% Grade. Detail - Sheet 5.

137.0 Lin. Ft. 8" PVC. Pipe @ 0.3% Grade

Alternate - ABS. Comp. Pipe

1 2 3 4 5 6 7 8

Flo Out — 72.84
Flo In Line 2 — 72.34
Flo In Line 2A — 72.34

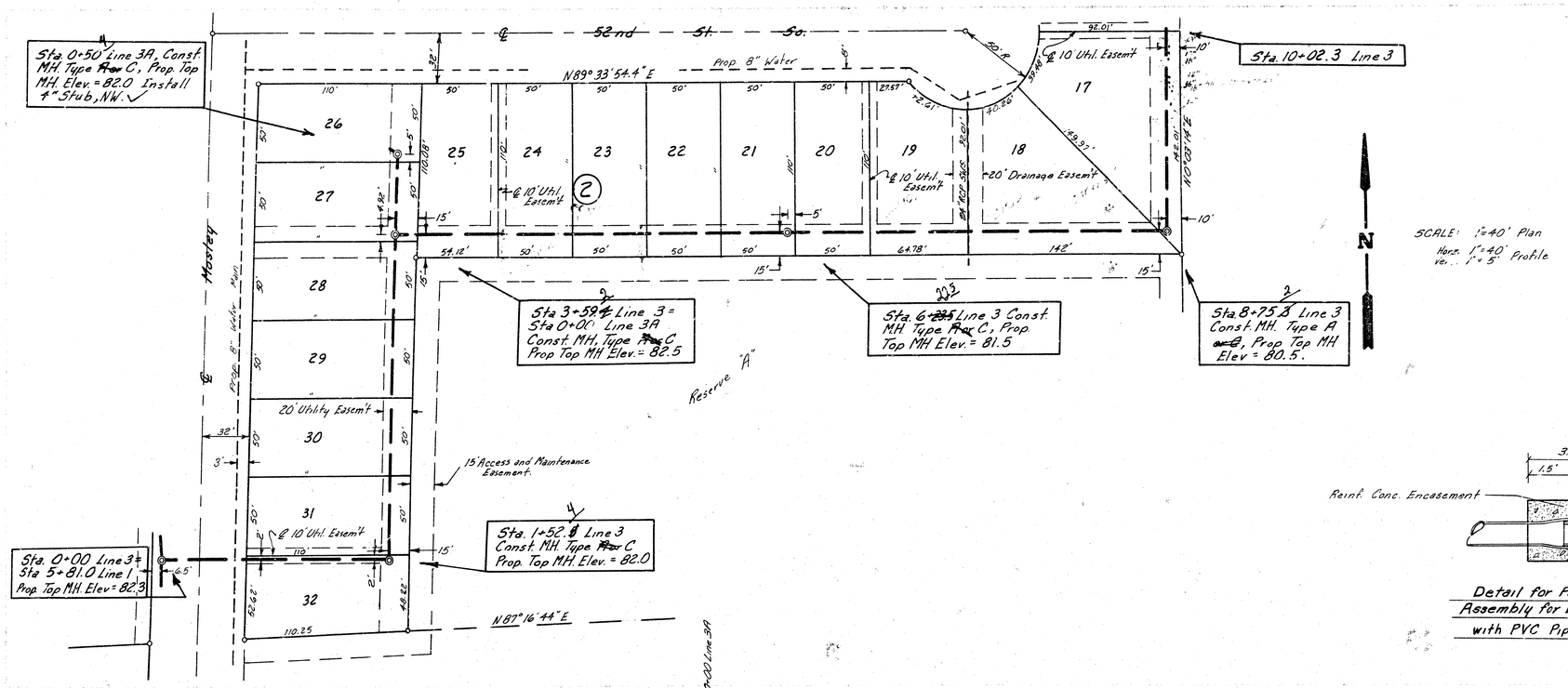
Flo Out — 72.48
Install 4" Stub, SW

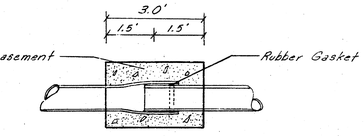
35.1 L.F. of 8" PVC. Pipe @ 0.4% Grade
Alternates - ABS Comp. or V.C.P.

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LATERAL 20, MAIN 2, S.W.I.

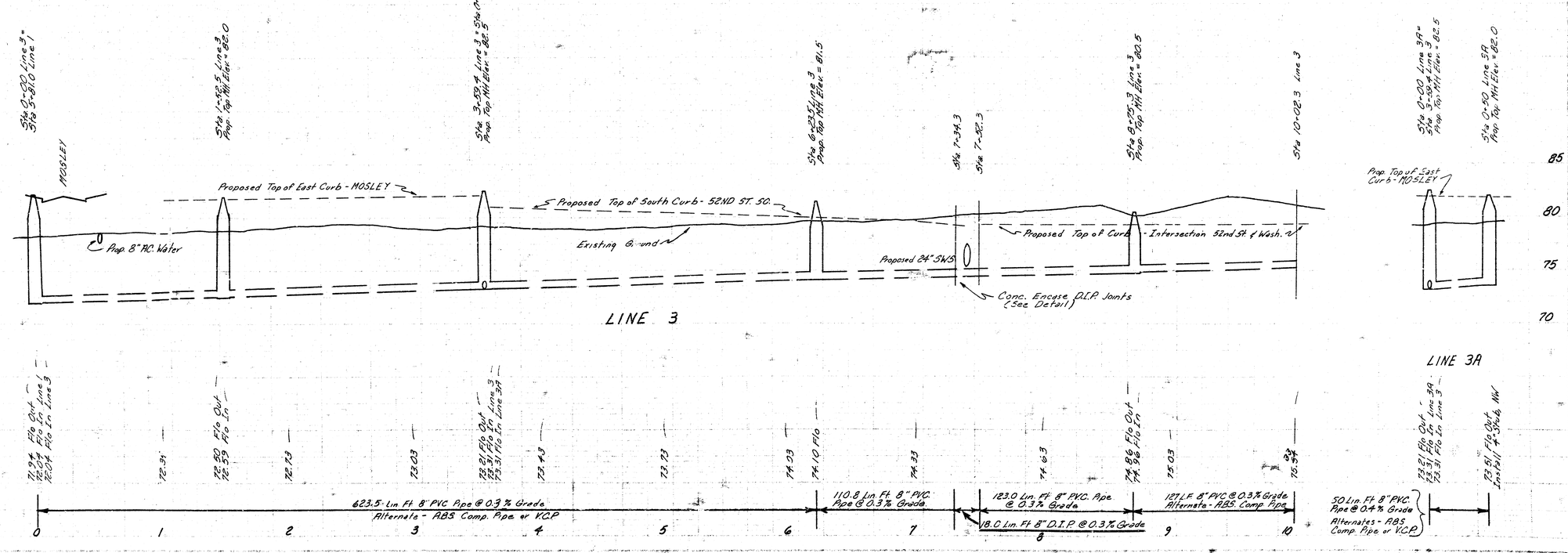
PROJECT NO. 468-76-245 81086-000-000-001
LINE 3 & 3A SHEET 5





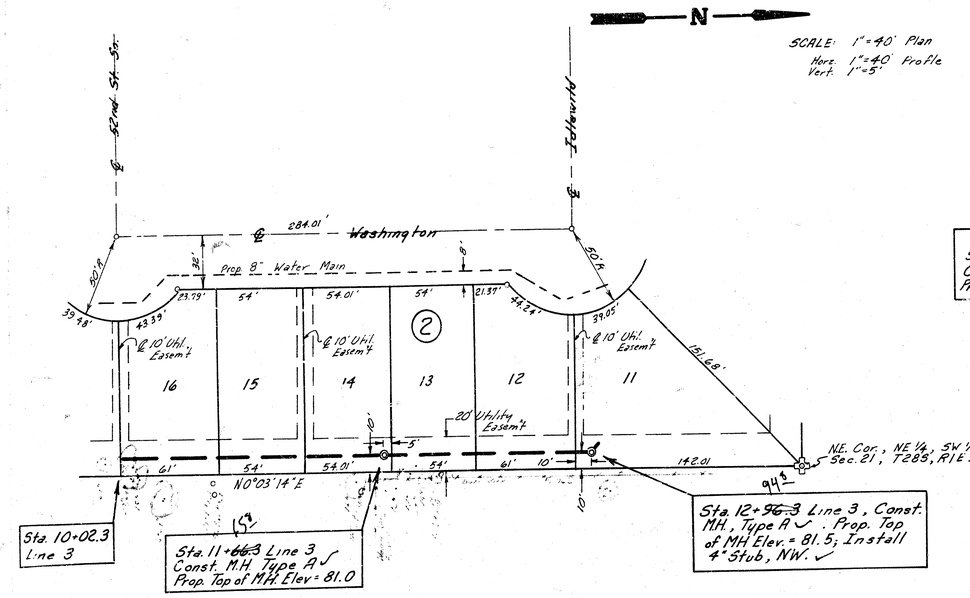
Detail for Push-On Joint Assembly for Ductile Iron Pipe with PVC Pipe Joints

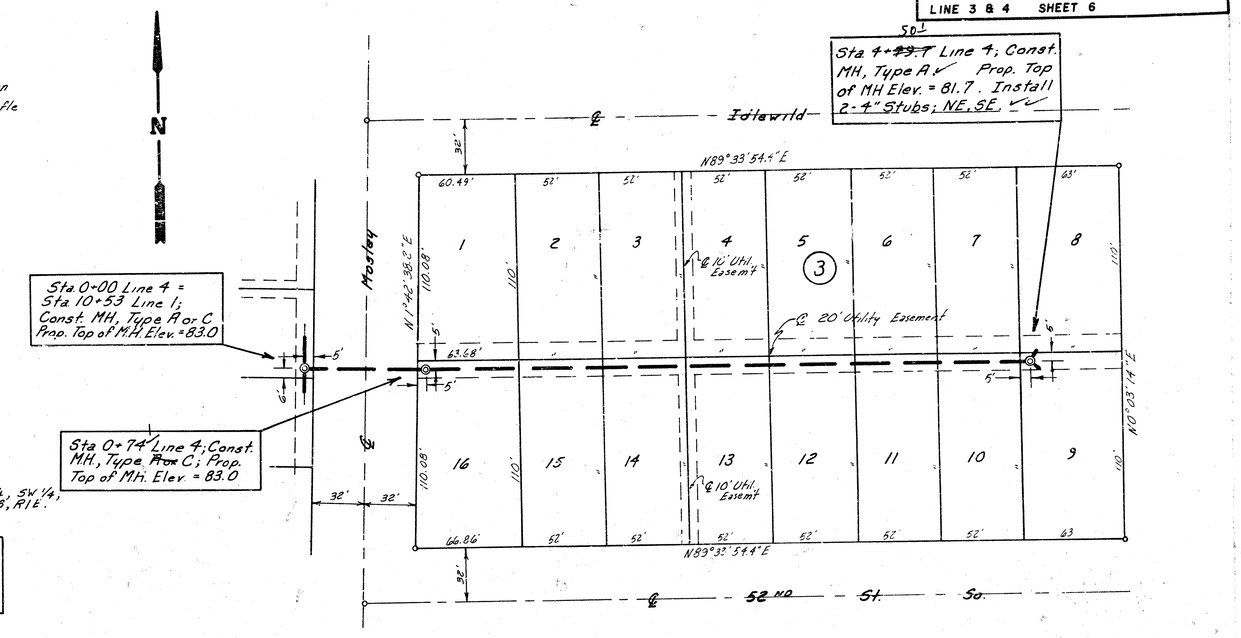
As Built J.L.L. 6-82

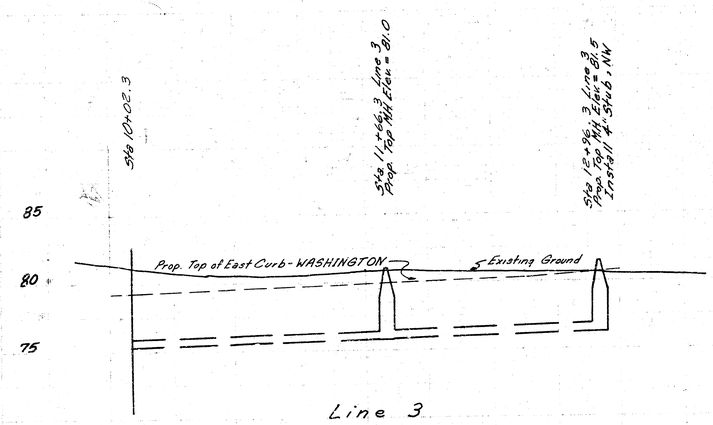


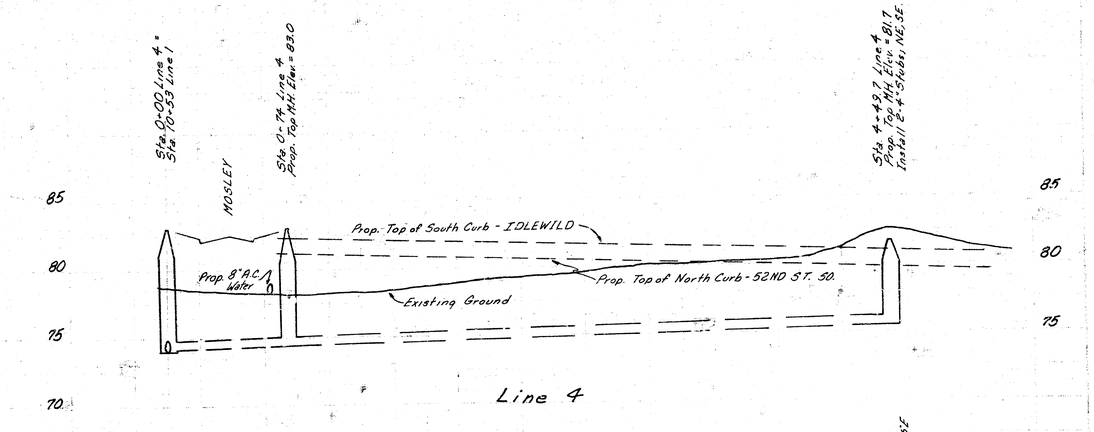
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LATERAL 20, MAIN 2, S.W.I.
PROJECT NO. 468-76-245-81086-000-000-001
LINE 3 & 4 SHEET 6









As Built
J.L.
6/82

19 1 4 13 6/6