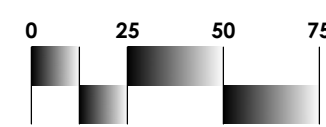


NORTH



Scale: 1"= 50'
Tanner Consulting

Legend

- FDC RISER ROOM WITH FDC
- 8" WL NEW 8" WATER LINE MAIN
- 1.5" WL NEW 1.5" WATER SERVICE LINE
- 2.5" WL NEW 2.5" FIRE SERVICE LINE
- 8" SS NEW SANITARY SEWER
- SD NEW STORM DRAIN

Water Quantities

FURNISHED/INSTALLED BY CONTRACTOR

ITEM#	QUANTITY	DESCRIPTION
1.	3687.0 LF	8" PVC, AWWA C900, CLASS 200 DR 14
2.	2700.0 LF	2" WATERLINE
3.	3025.0 LF	1.5" WATERLINE
4.	4 EA	CONNECT TO EXISTING 16" WATERLINE
5.	4 EA	3/4" CORPORATION STOP (FOR TESTING & DISINFECTION)
6.	12 EA	8" GATE VALVE
7.	62 EA	2" GATE VALVE
8.	11 EA	3-WAY FIRE HYDRANT ASSEMBLY
9.	12 EA	VALVE BOX
10.	2 EA	8" WATER METER AND VAULT

Benchmark 1

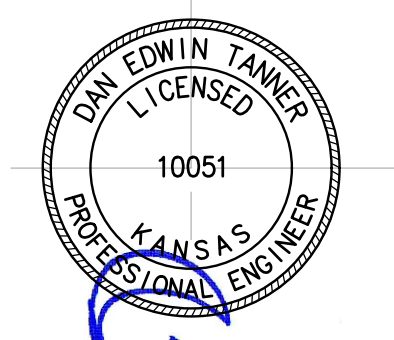
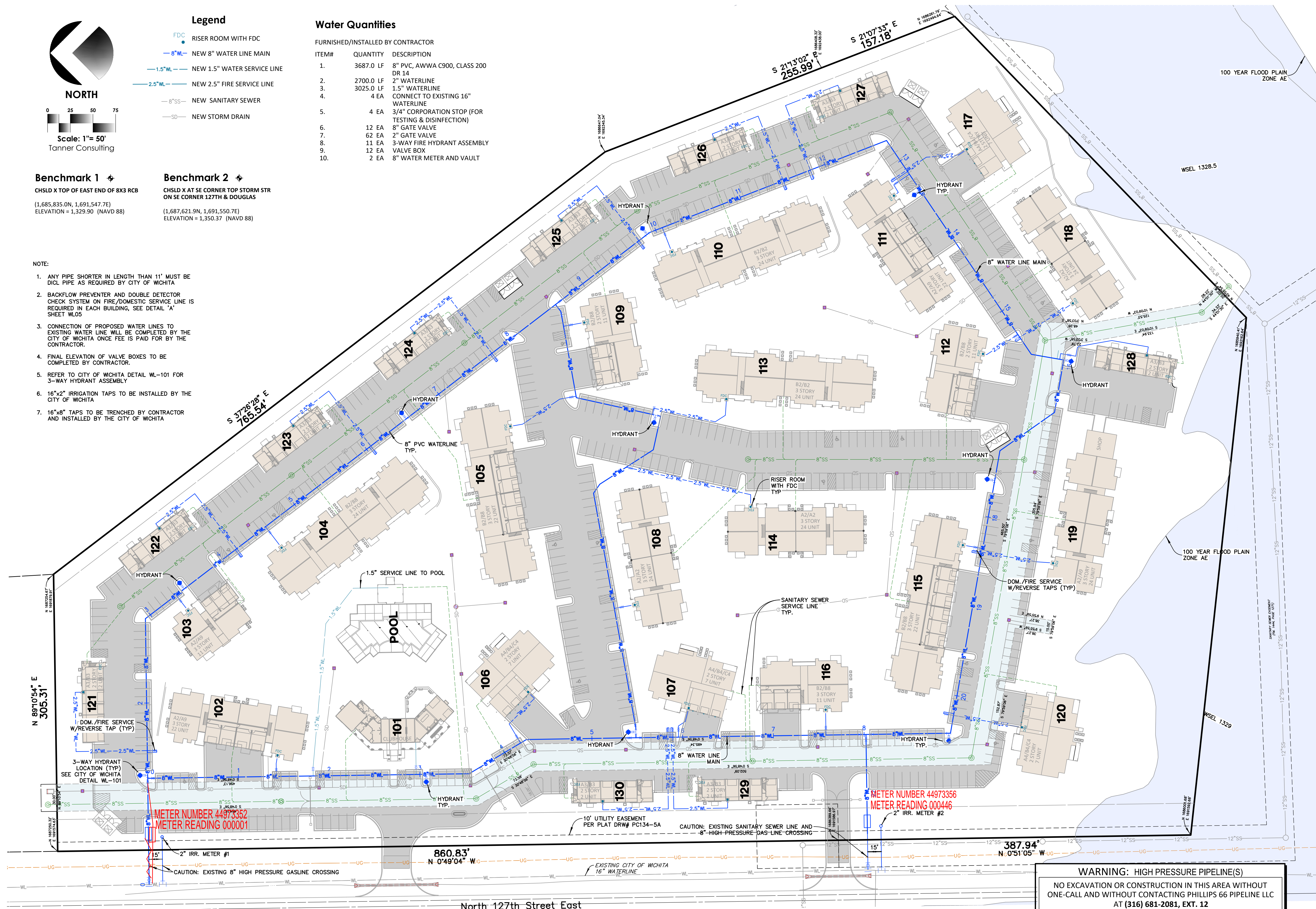
CHSLD X TOP OF EAST END OF 8X3 RCB
(1,685,835.0N, 1,691,547.7E)
ELEVATION = 1,329.90 (NAVD 88)

Benchmark 2

CHSLD X AT SE CORNER TOP STORM STR
ON SE CORNER 127TH & DOUGLAS
(1,687,621.9N, 1,691,550.7E)
ELEVATION = 1,350.37 (NAVD 88)

NOTE:

- ANY PIPE SHORTER IN LENGTH THAN 11' MUST BE DICL PIPE AS REQUIRED BY CITY OF WICHITA
- BACKFLOW PREVENTER AND DOUBLE DETECTOR CHECK SYSTEM ON FIRE/DOMESTIC SERVICE LINE IS REQUIRED IN EACH BUILDING, SEE DETAIL 'A' SHEET WL05
- CONNECTION OF PROPOSED WATER LINES TO EXISTING WATER LINE WILL BE COMPLETED BY THE CITY OF WICHITA ONCE FEE IS PAID FOR BY THE CONTRACTOR.
- FINAL ELEVATION OF VALVE BOXES TO BE COMPLETED BY CONTRACTOR.
- REFER TO CITY OF WICHITA DETAIL WL-101 FOR 3-WAY HYDRANT ASSEMBLY
- 16"x2" IRRIGATION TAPS TO BE INSTALLED BY THE CITY OF WICHITA
- 16"x8" TAPS TO BE TRENCHED BY CONTRACTOR AND INSTALLED BY THE CITY OF WICHITA



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1ST SUBMITTAL	08/18/17
2ND SUBMITTAL	10/06/17
3RD SUBMITTAL	10/26/17
PLOT DATE: 12/05/17	

Cottages At Crestview

Grading, Drainage & Utilities

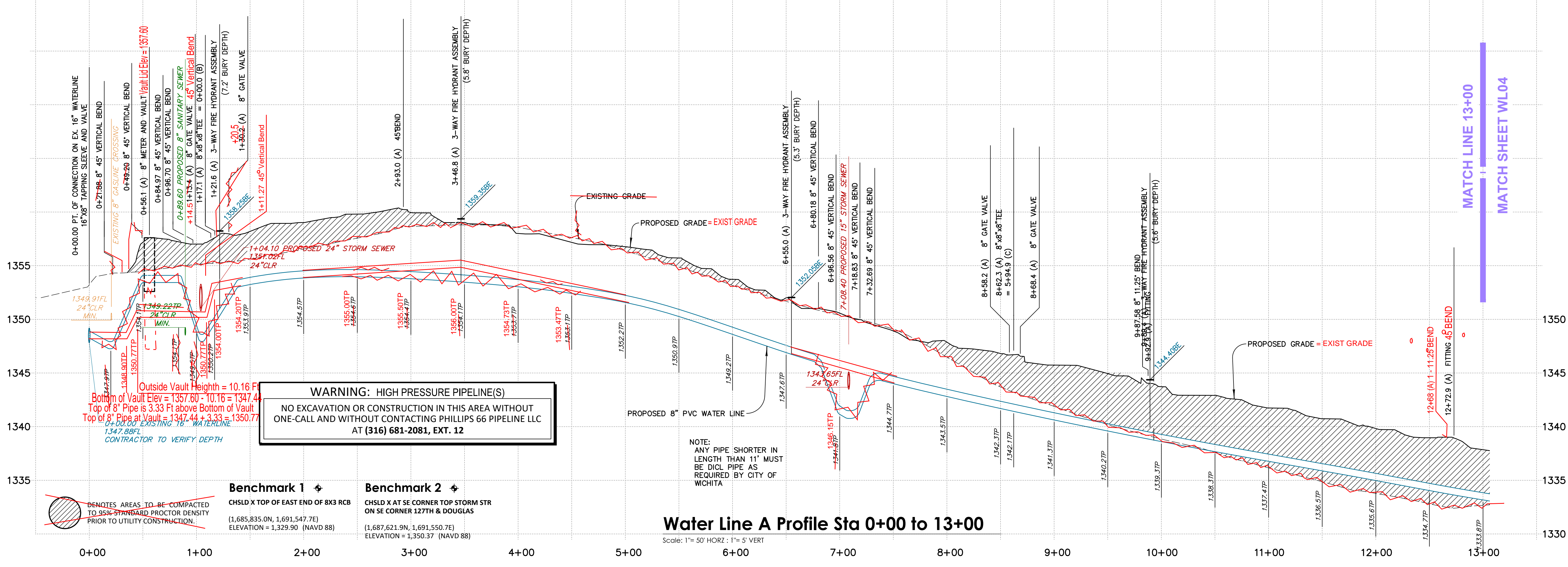
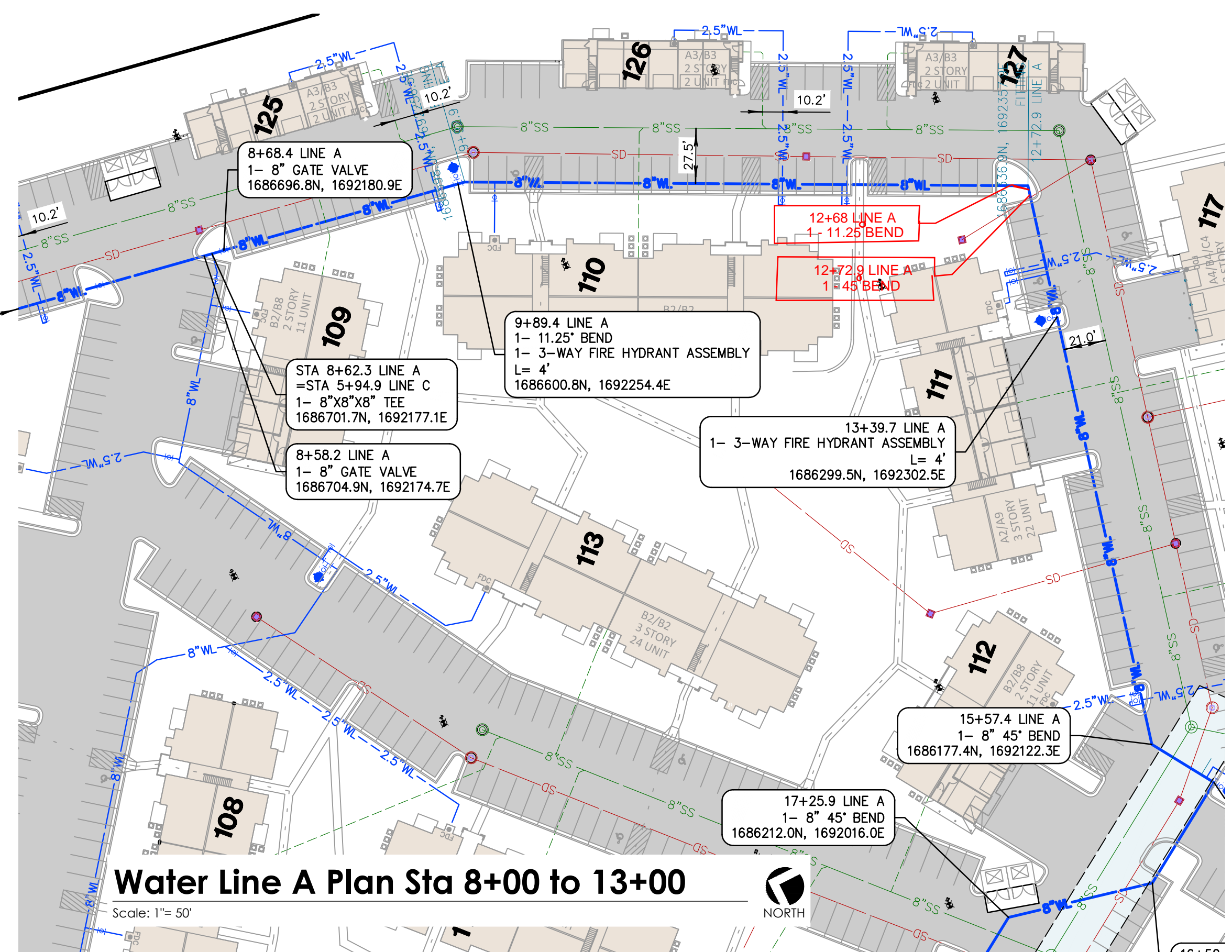
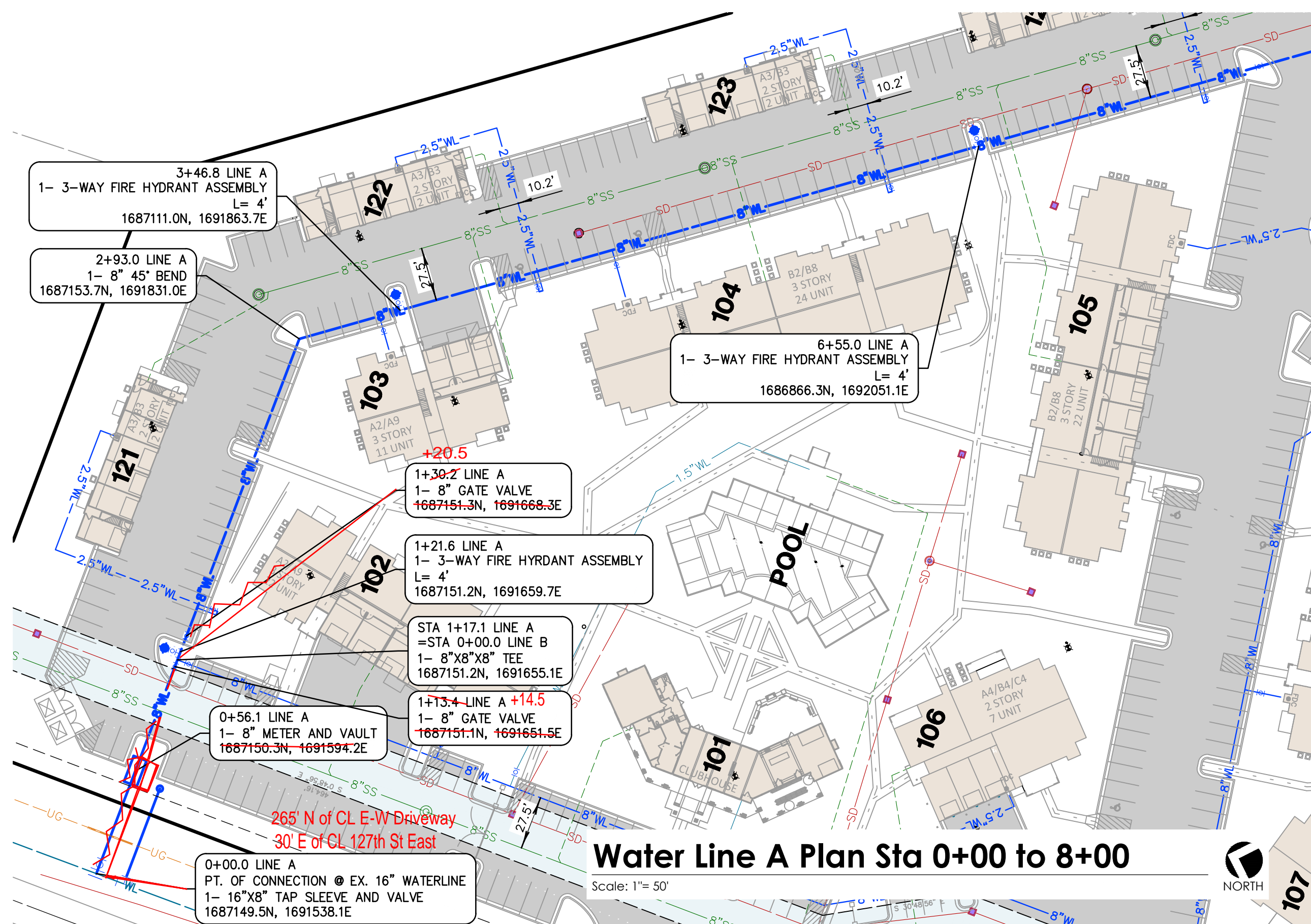
Wichita, Kansas

PROJECT: 17006
ISSUE DATE:
ATLAS PAGE NO:
PLAN SCALE: (H) 1"=50'
(V) N/A

WATERLINE OVERALL PLAN

WL02

OF 00

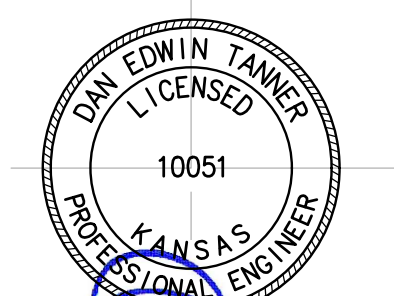


WARNING: HIGH PRESSURE PIPELINE(S)
 NO EXCAVATION OR CONSTRUCTION IN THIS AREA WITHOUT ONE-CALL AND WITHOUT CONTACTING PHILLIPS 66 PIPELINE LLC AT (316) 681-2081, EXT. 12

Benchmark 1 \blacklozenge
 CHSLD X TOP OF EAST END OF 8X3 RCB
 (1,685,835.0N, 1,691,547.7E)
 ELEVATION = 1,329.90 (NAVD 88)

Benchmark 2 \blacklozenge
 CHSLD X AT SE CORNER TOP STORM STR
 ON SE CORNER 127TH & DOUGLAS
 (1,687,621.9N, 1,691,550.7E)
 ELEVATION = 1,350.37 (NAVD 88)

Water Line A Profile Sta 0+00 to 13+00
 Scale: 1"= 50' HORIZ : 1"= 5' VERT



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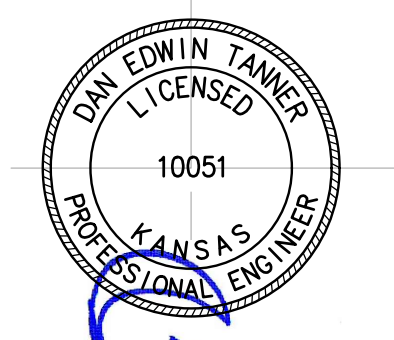
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Cottages At Crestview

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 (V) 1"=5'

Waterline A Plan & Profile



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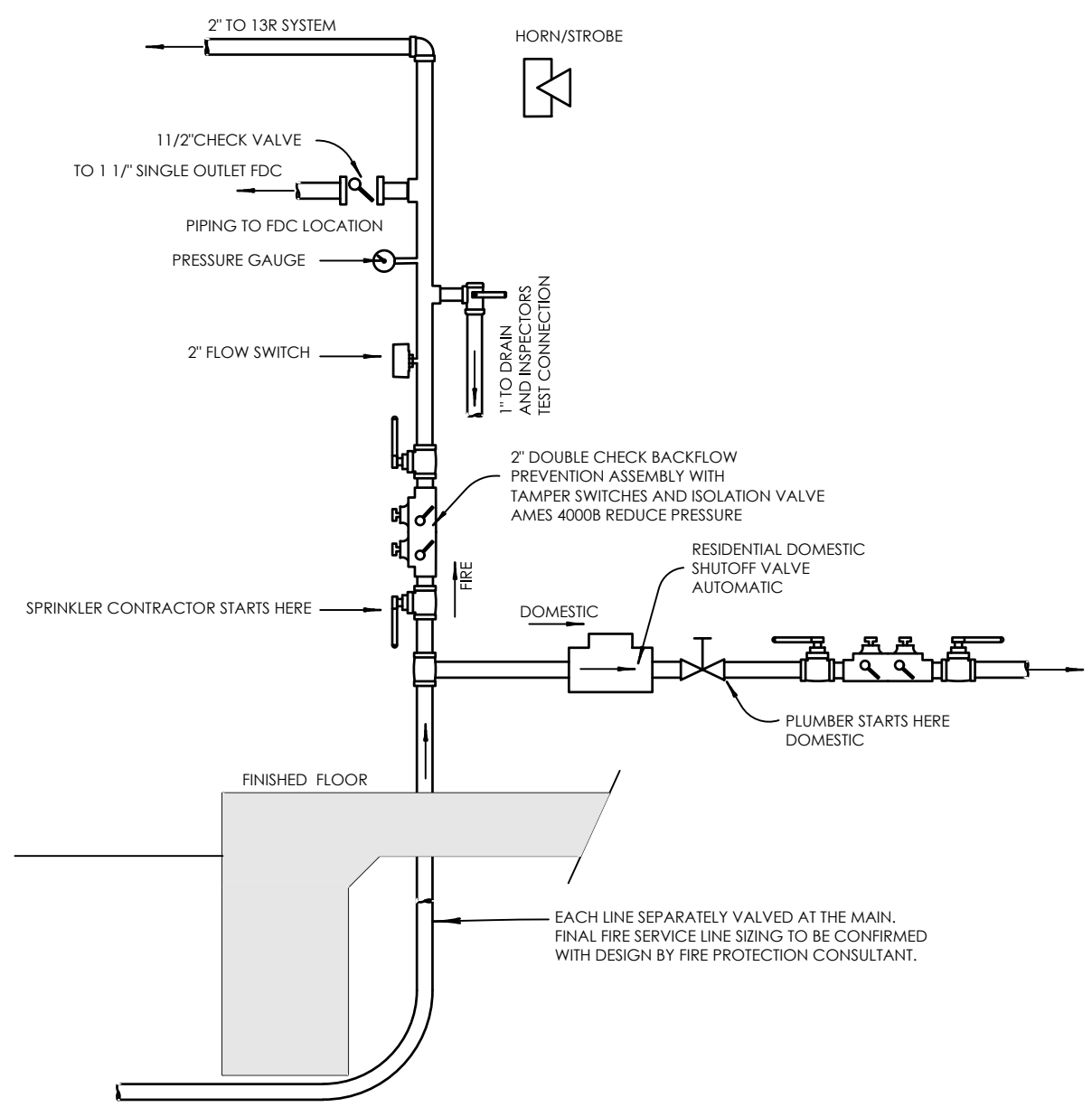
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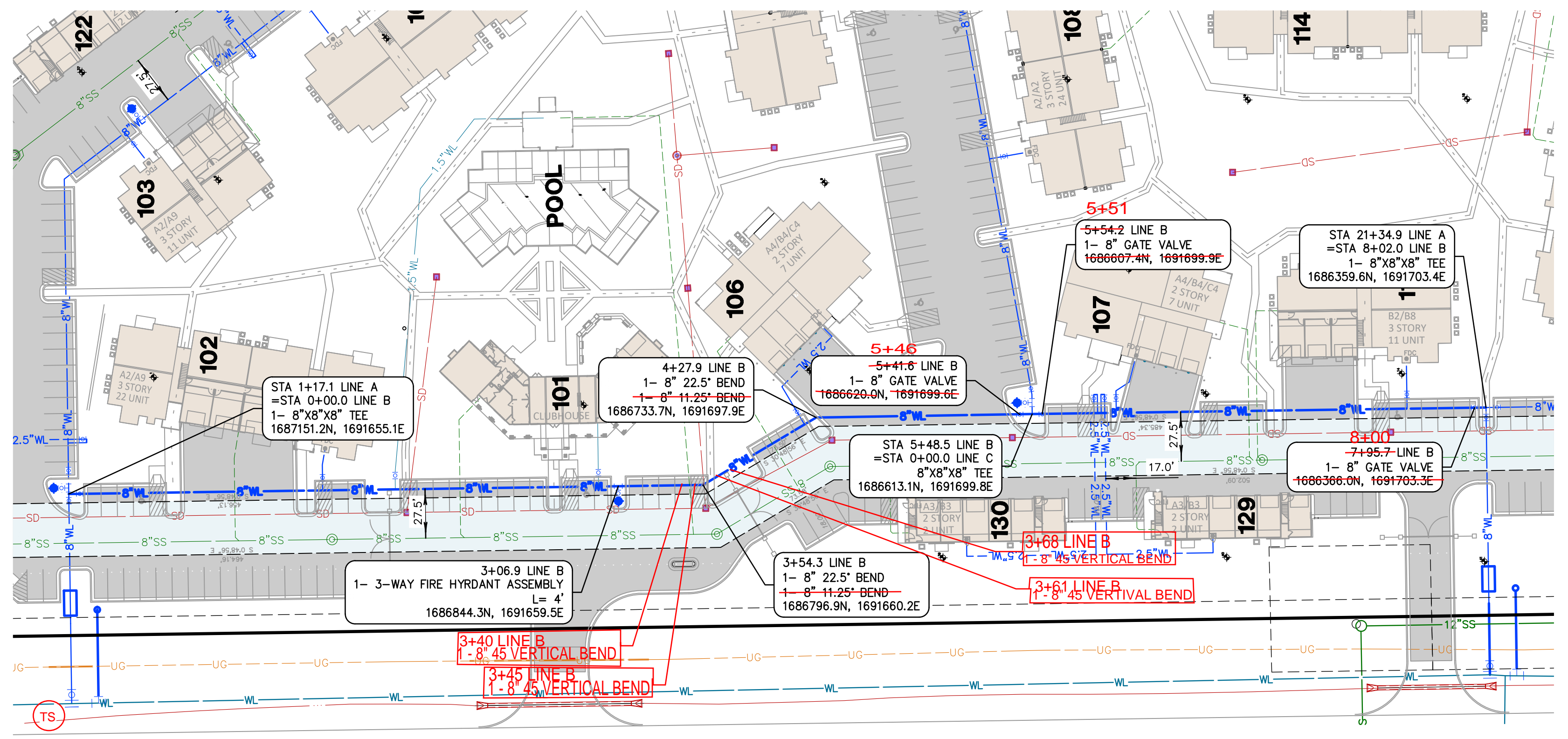
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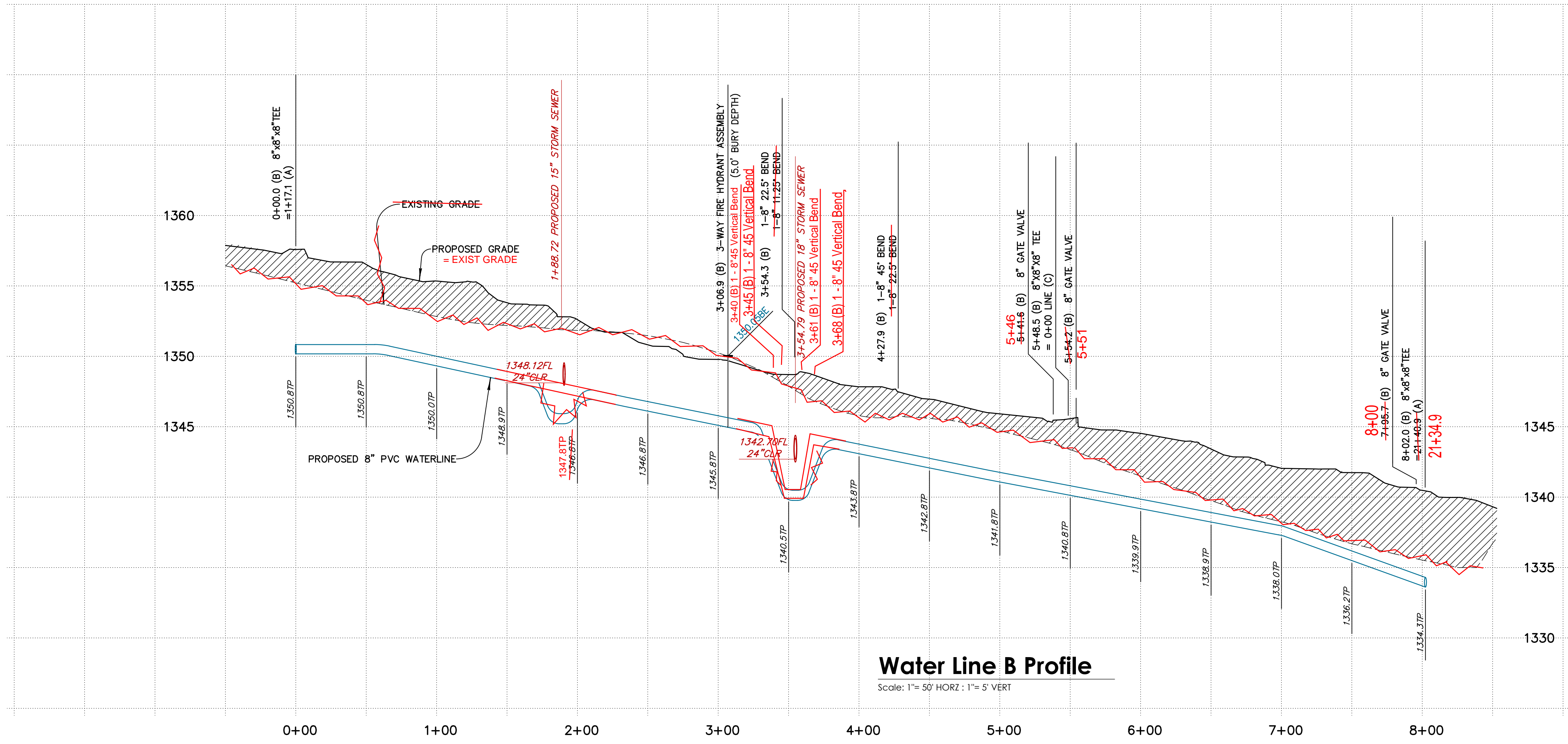
PLOT DATE: 12/05/17



A Interior Riser Diagram
 Scale: None



Water Line B Plan Sta 0+00 to 8+02
 Scale: 1" = 50'



Water Line B Profile
 Scale: 1" = 50' HORIZ : 1" = 5' VERT

Benchmark 1
 CHSLD X TOP OF EAST END OF 8X3 RCB
 (1,685,835.0N, 1,691,547.7E)
 ELEVATION = 1,329.90 (NAVD 88)

Benchmark 2
 CHSLD X AT SE CORNER TOP STORM STR
 ON SE CORNER 127TH & DOUGLAS
 (1,687,621.9N, 1,691,550.7E)
 ELEVATION = 1,350.37 (NAVD 88)

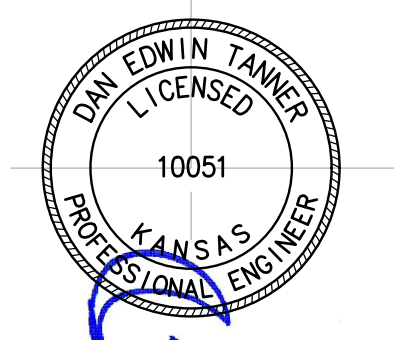
DENOTES AREAS TO BE COMPACTED TO 95% STANDARD PROCTOR DENSITY PRIOR TO UTILITY CONSTRUCTION.

Cottages At Crestview
 Grading, Drainage & Utilities
 Wichita, Kansas

PROJECT: 17006
 ISSUE DATE:
 ATLAS PAGE NO:
 PLAN SCALE: (H) 1"=50'
 (V) 1"=5'

Waterline B Plan & Profile

WL05
 OF 00



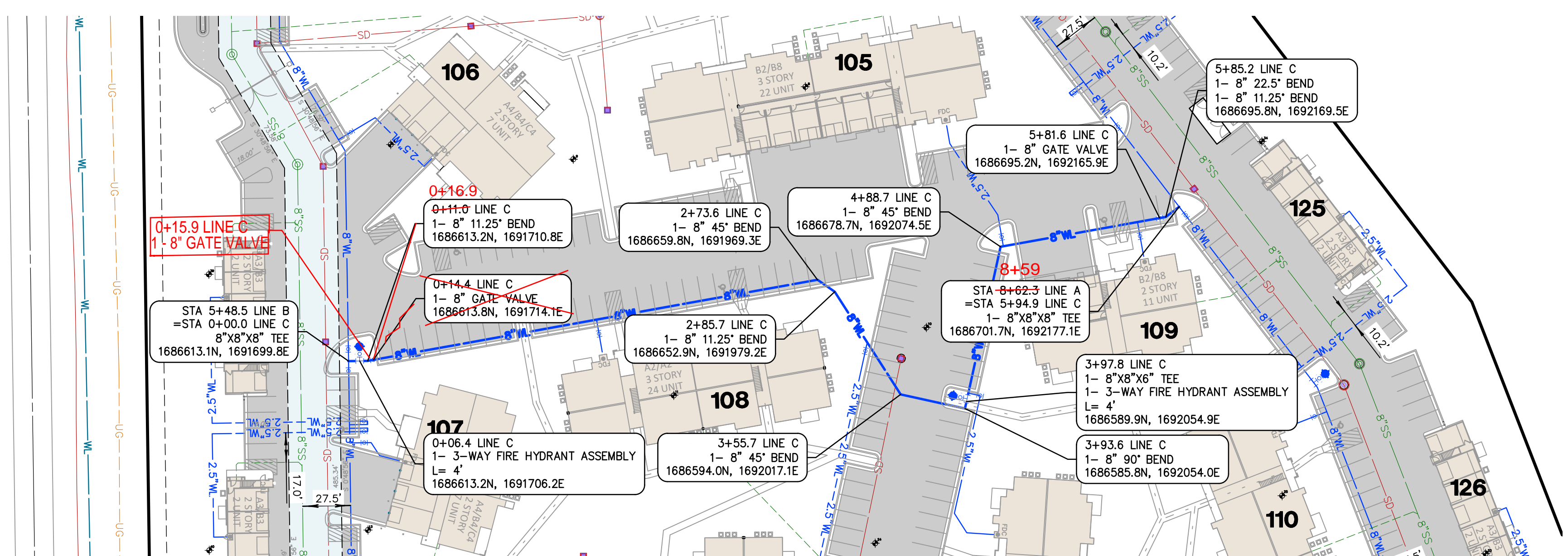
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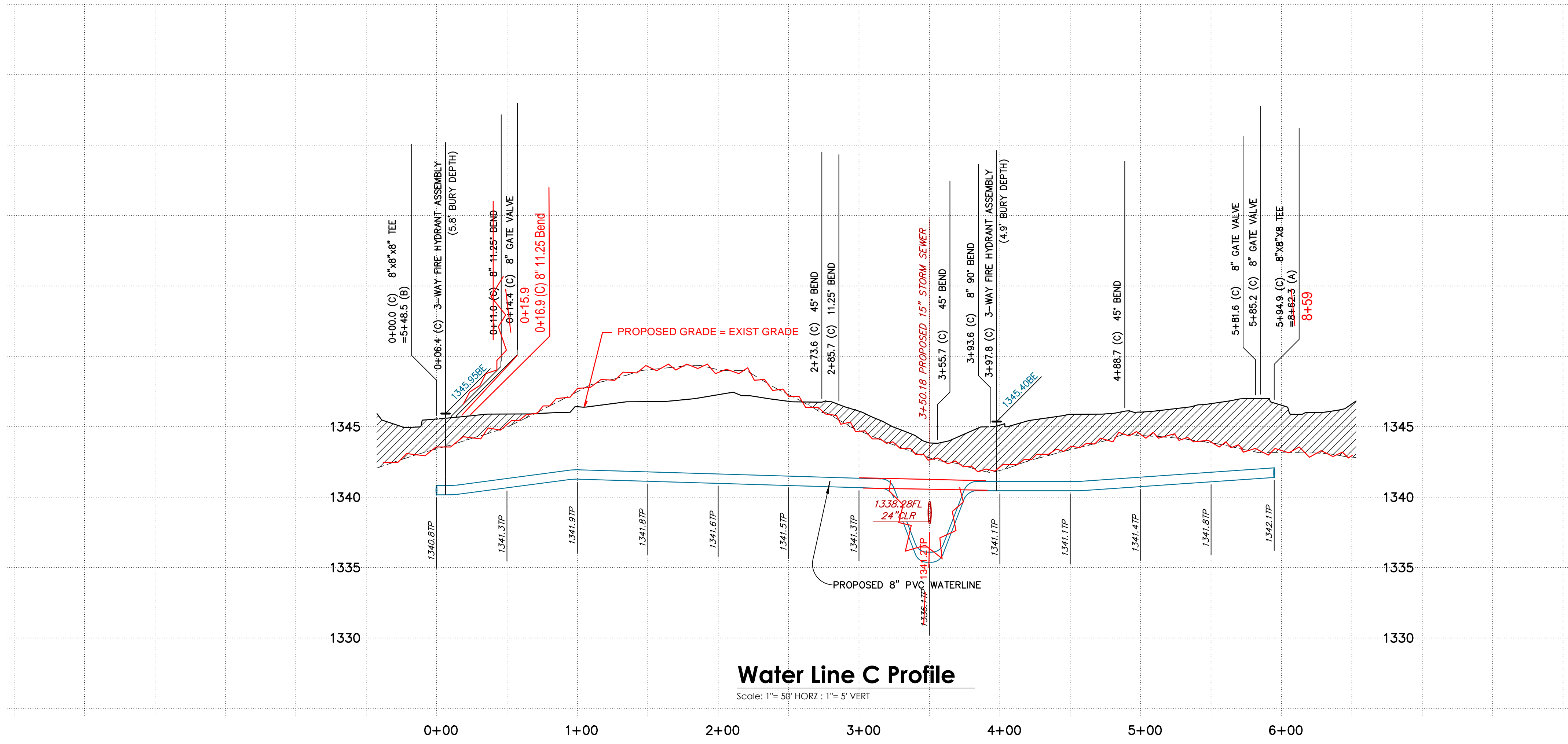
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3RD SUBMITTAL	10/26/17

PLOT DATE: 12/05/17



Water Line C Plan Sta 0+00 to 5+94.9

Scale: 1"= 50'

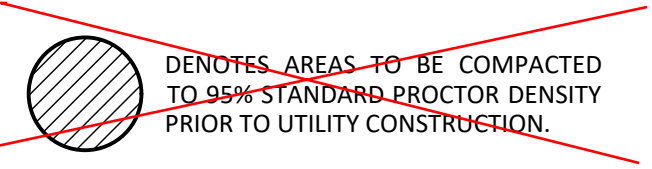


Water Line C Profile

Scale: 1"= 50' HORZ : 1"= 5' VERT

Benchmark 1 ϕ
 CHSLD X TOP OF EAST END OF 8X3 RCB
 (1,685,835.0N, 1,691,547.7E)
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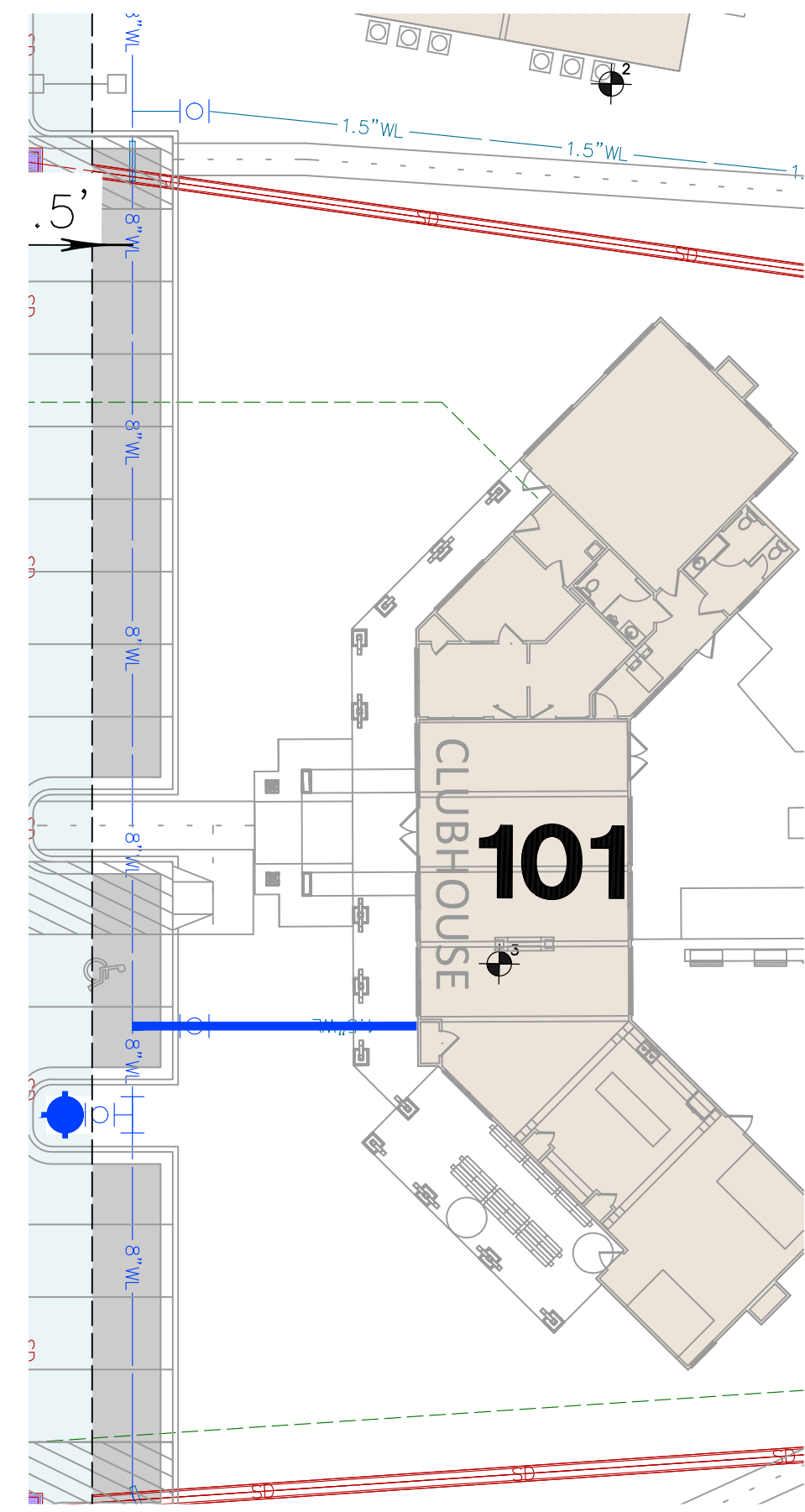
Benchmark 2 ϕ
 CHSLD X AT SE CORNER TOP STORM STR
 ON SE CORNER 127TH & DOUGLAS
 (1,687,621.9N, 1,691,550.7E)
 ELEVATION = 1,350.37 (NAVD 88)



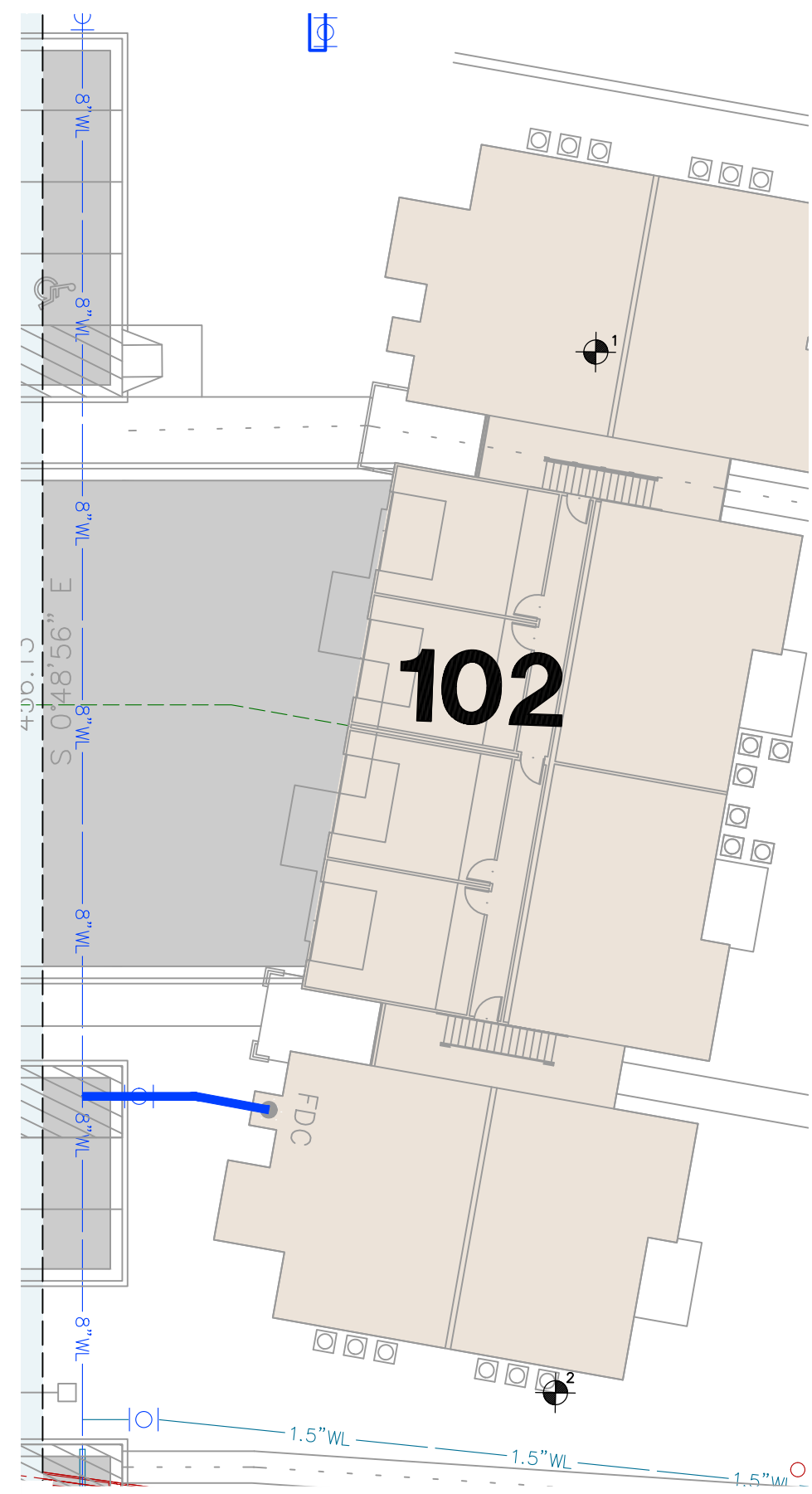
Cottages At Crestview
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 Wichita, Kansas

PROJECT: 17006
 ISSUE DATE:
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 PLAN SCALE: (H) 1"=50'
 (V) 1"=5'

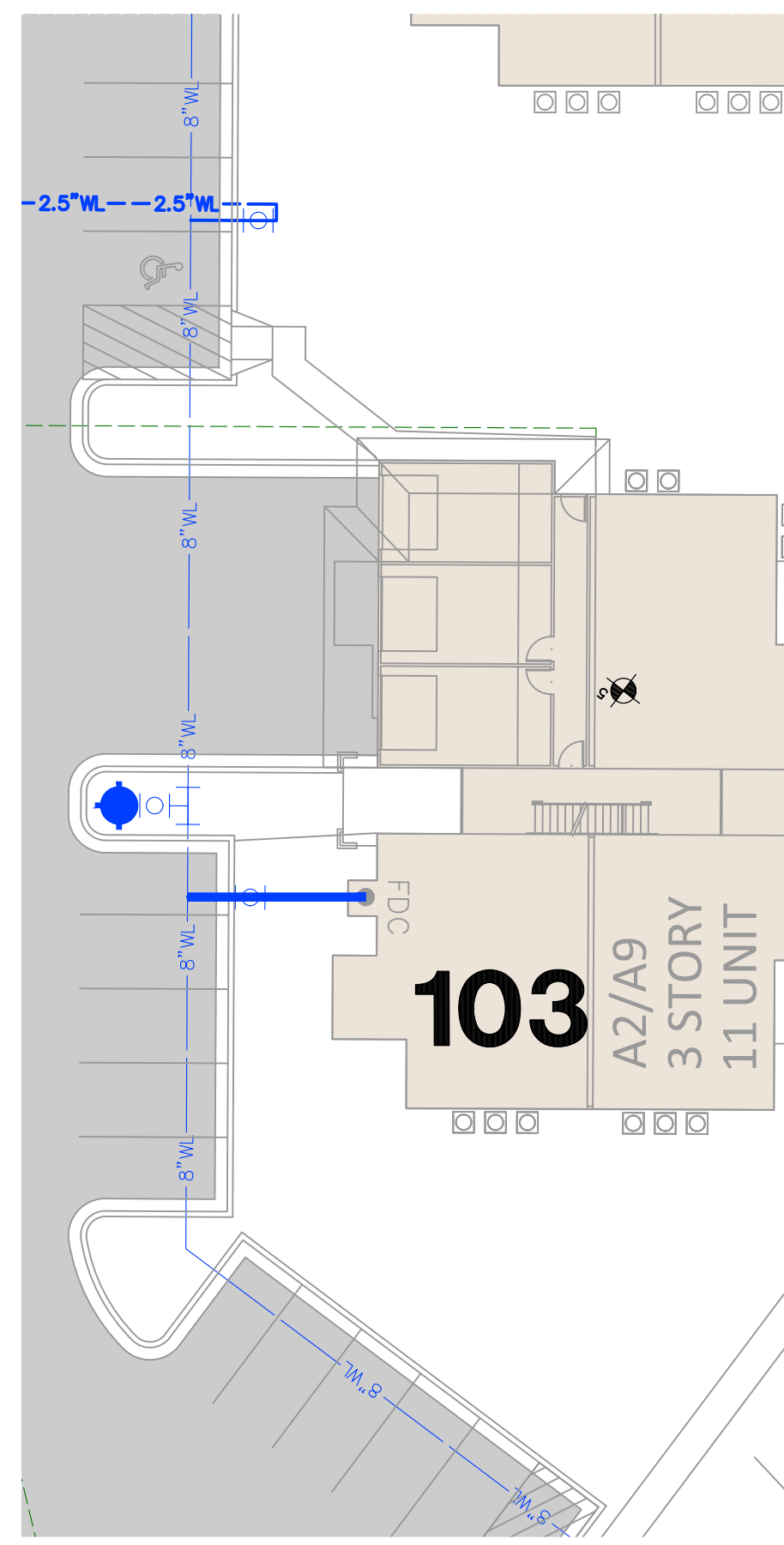
Waterline C Plan & Profile



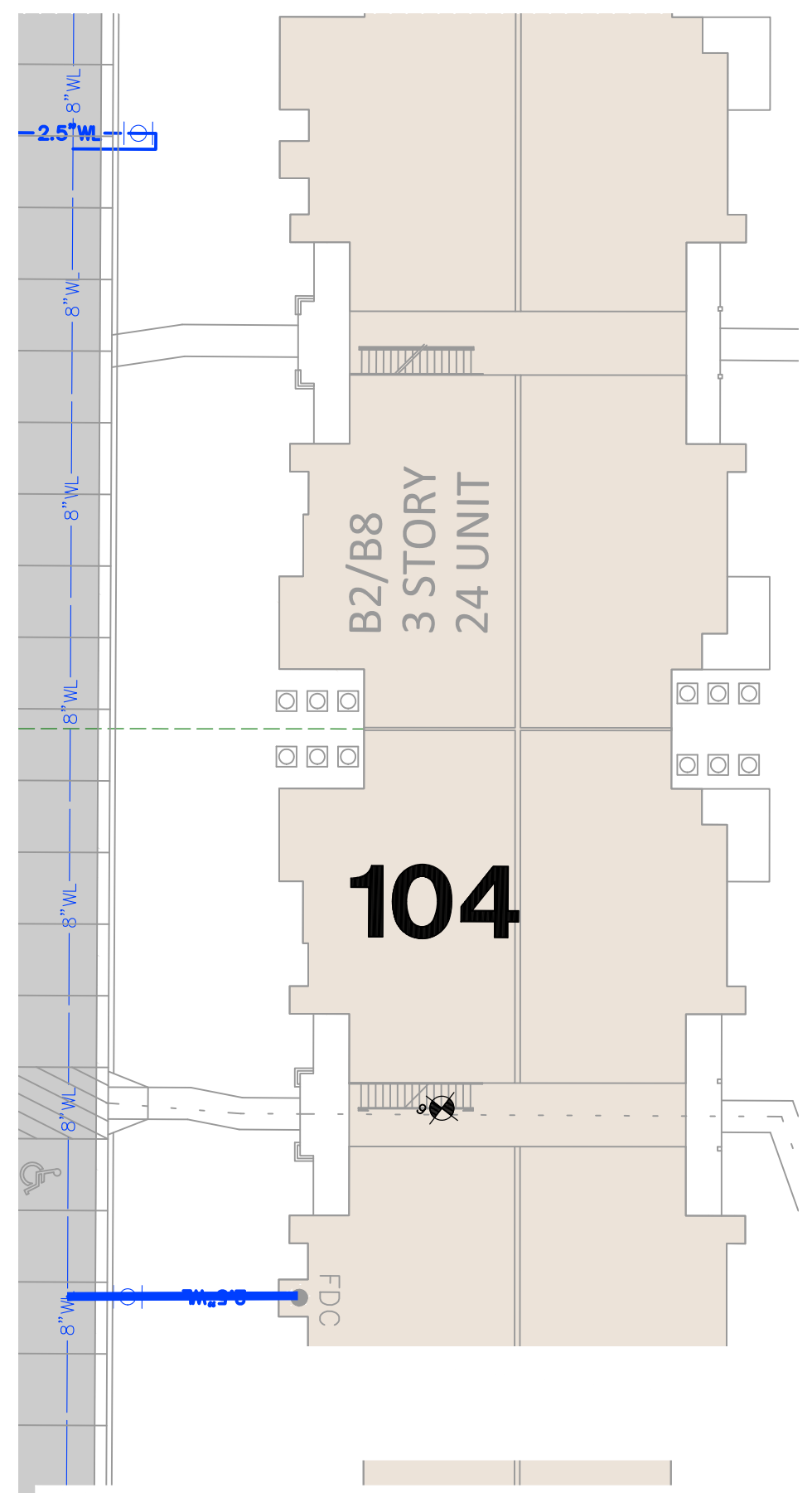
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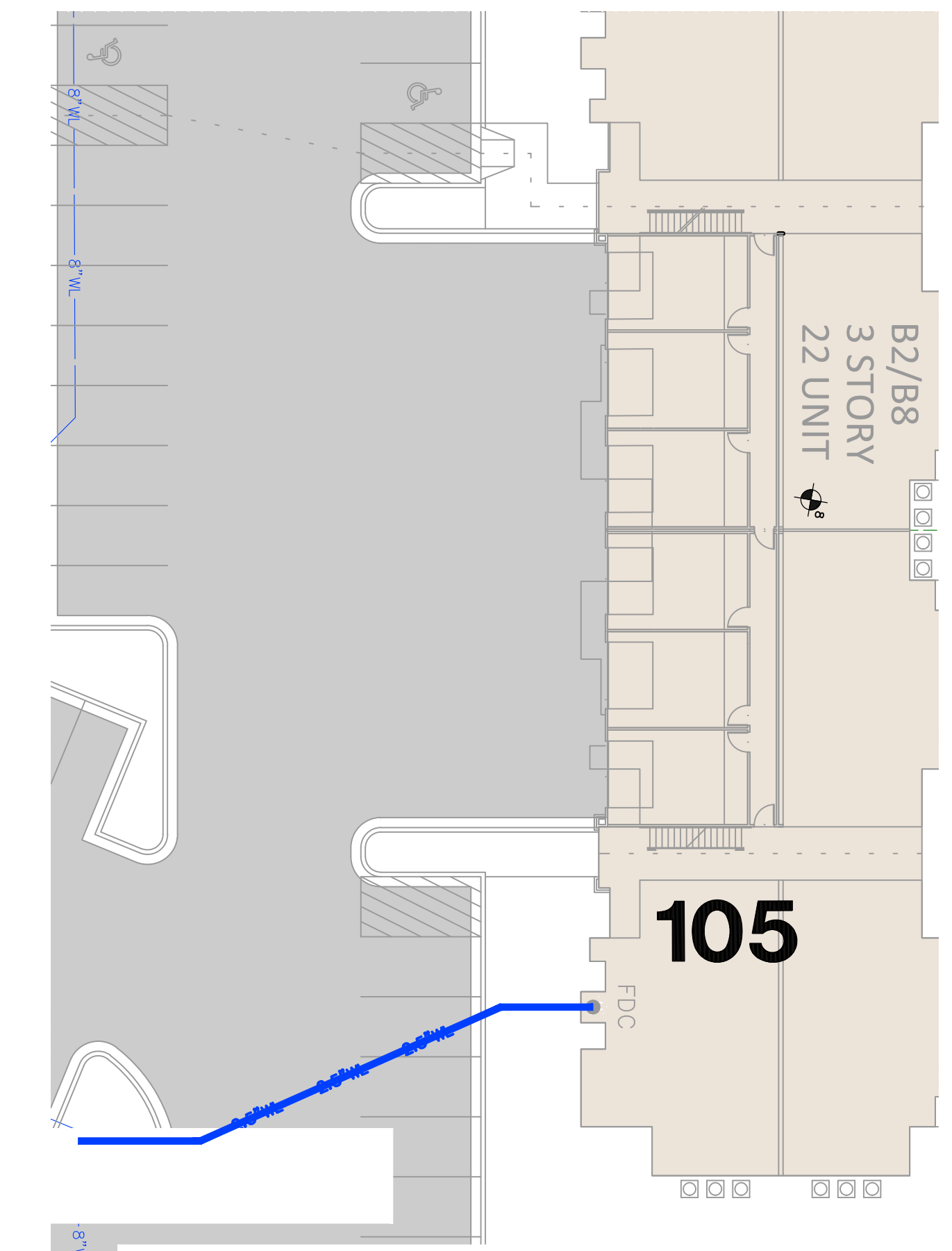
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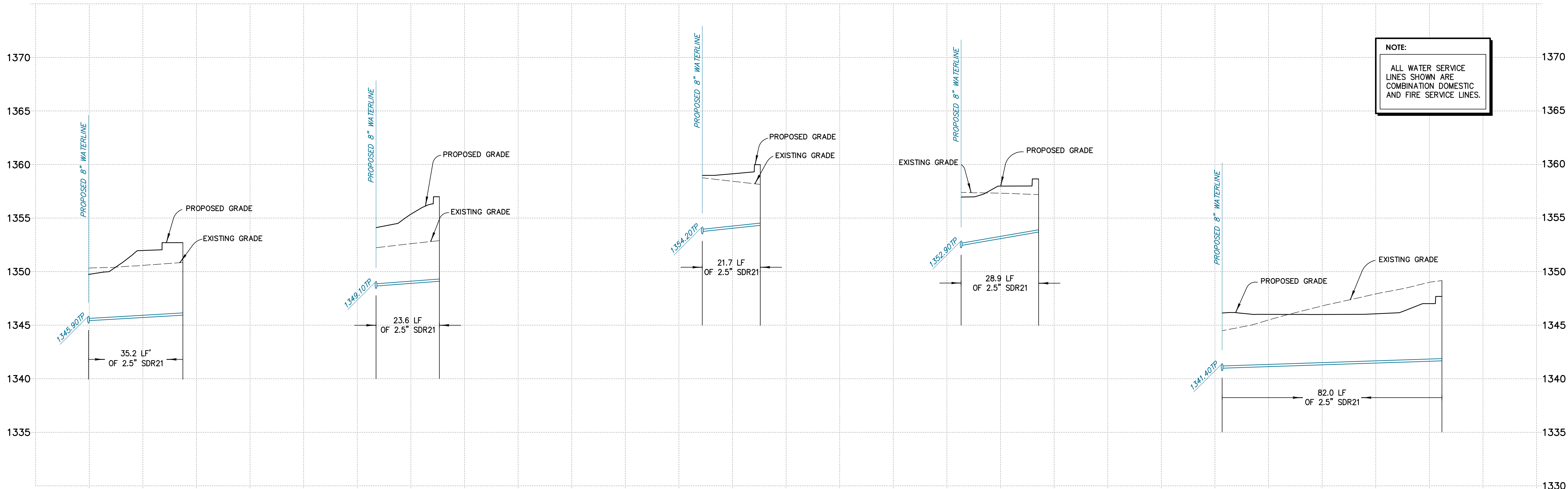
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Scale: 1"= 20' NORTH



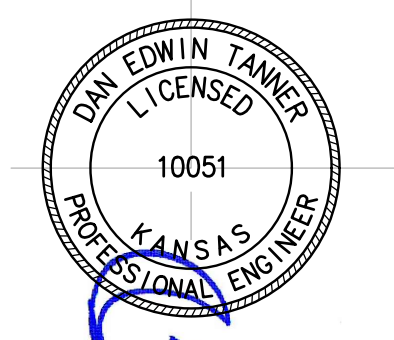
BLDG 104 Sta 0+00 to 0+29
Scale: 1"= 20' NORTH



BLDG 105 Sta 0+00 to 0+82
Scale: 1"= 20' NORTH



NOTE:
ALL WATER SERVICE LINES SHOWN ARE COMBINATION DOMESTIC AND FIRE SERVICE LINES.



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Cottages At Crestview

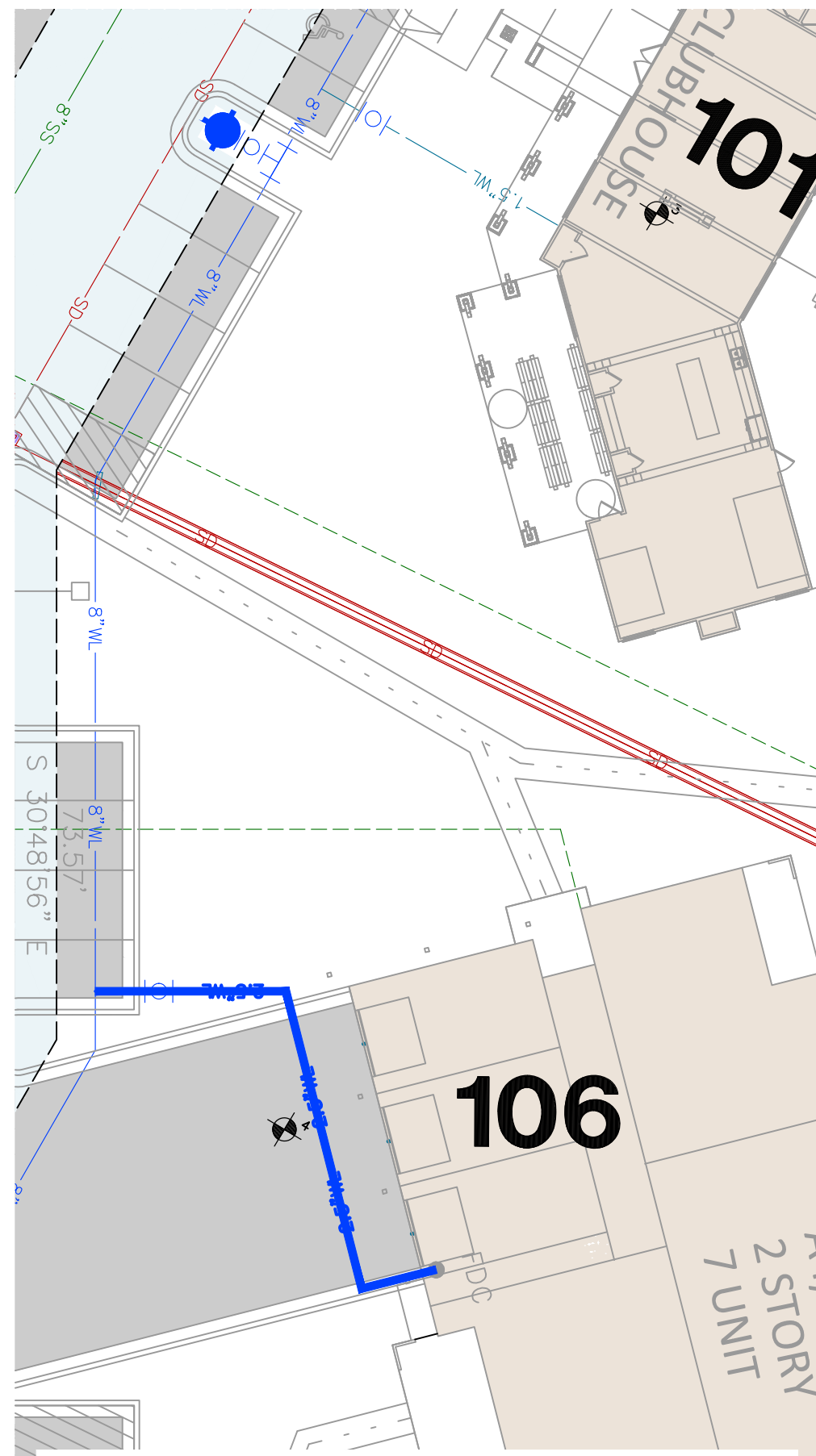
Grading, Drainage & Utilities
Wichita, Kansas

PROJECT: 17006
ISSUE DATE:
ATLAS PAGE NO:
PLAN SCALE: (H) 1"=20'
(V) 1"=5'

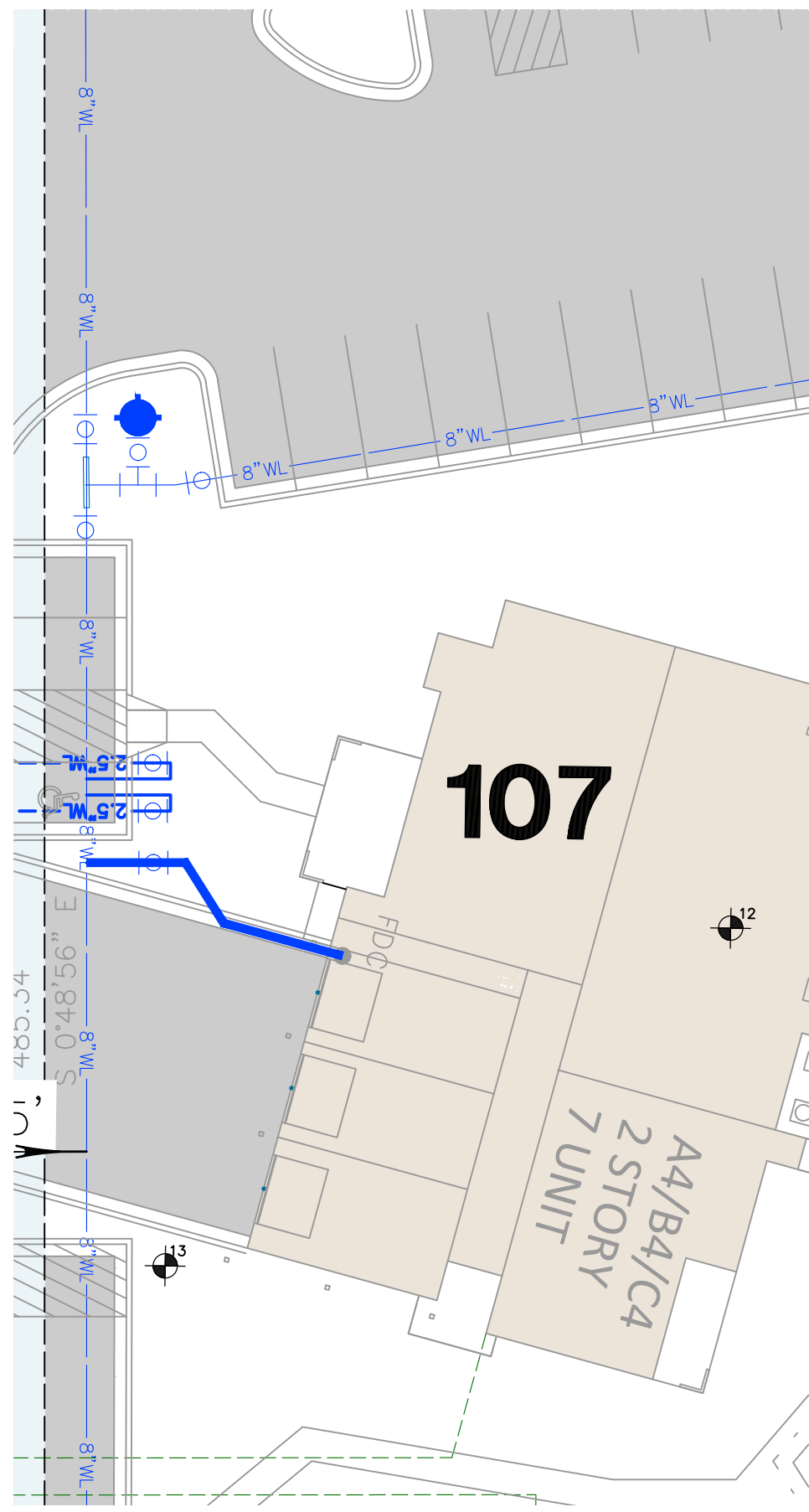
Water Service Line Plan & Profile 1

WL07

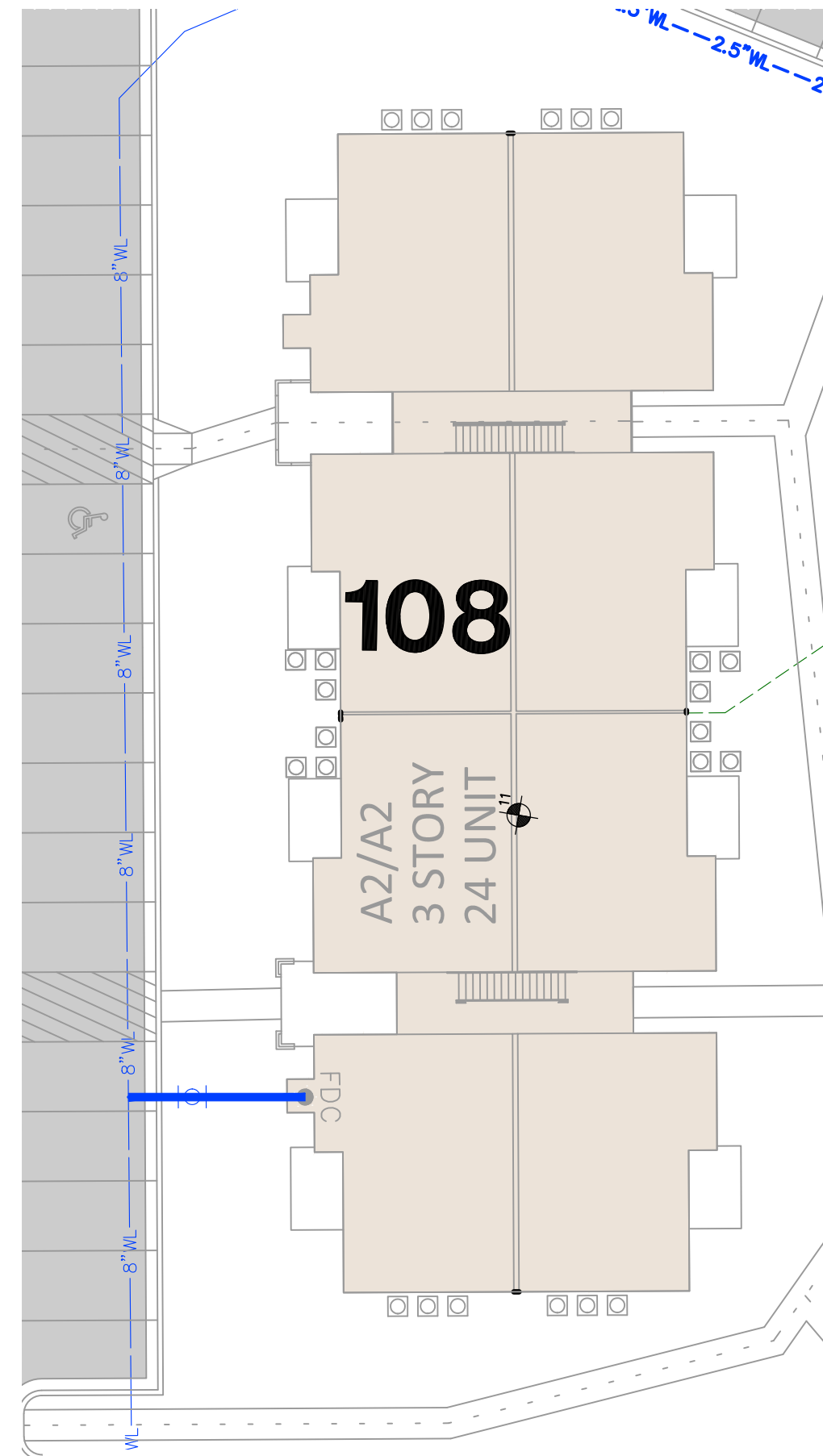
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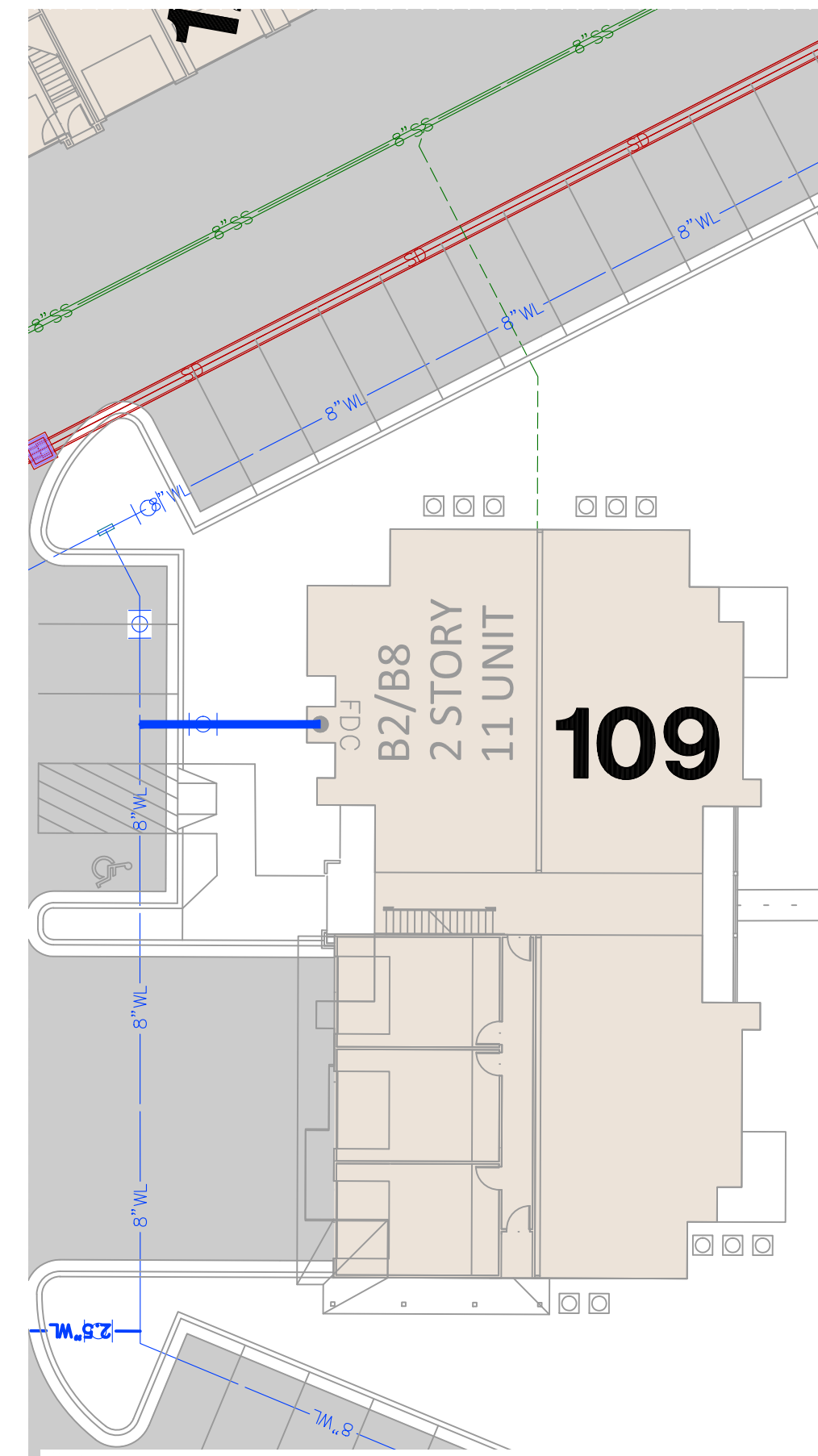
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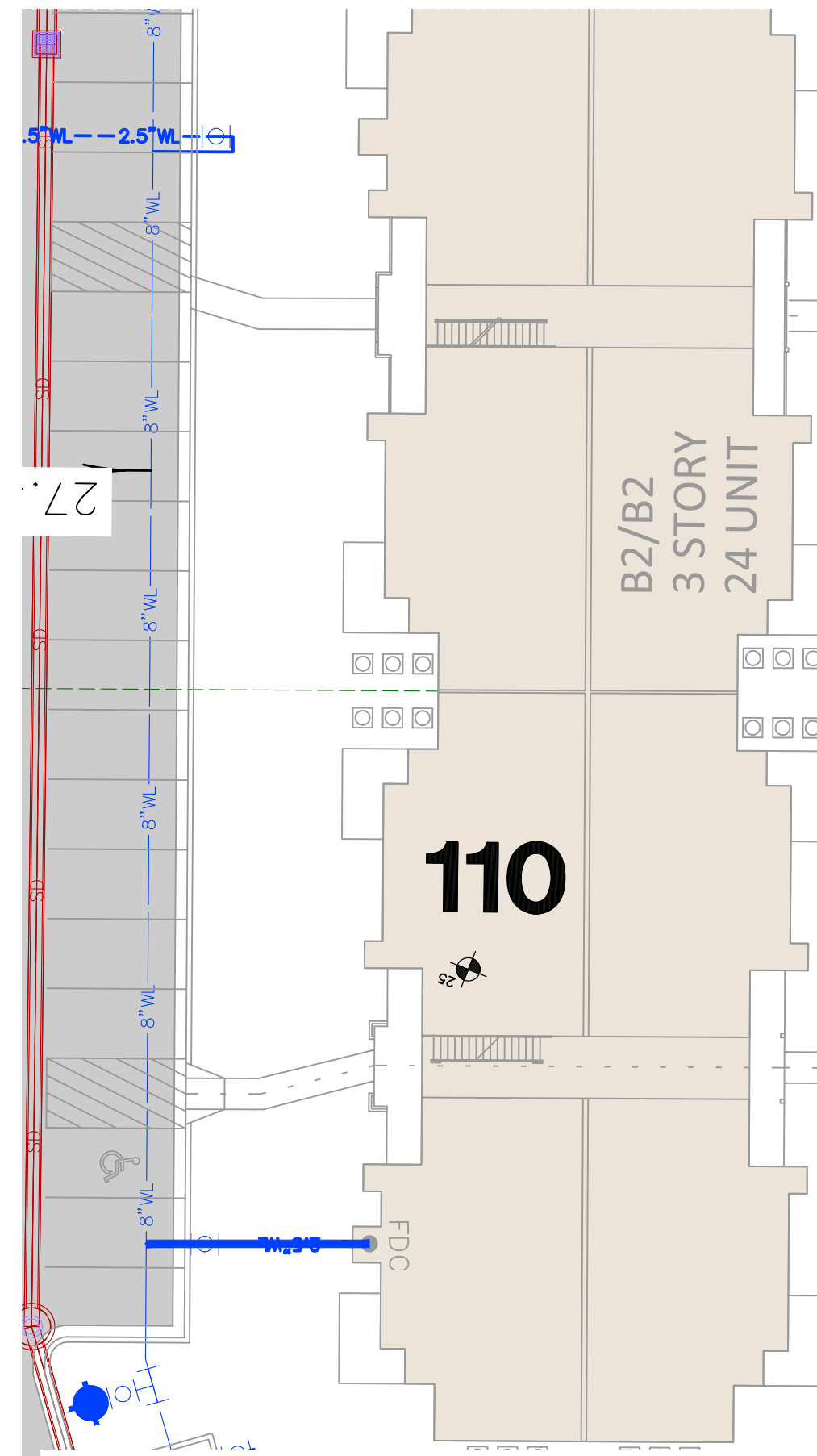
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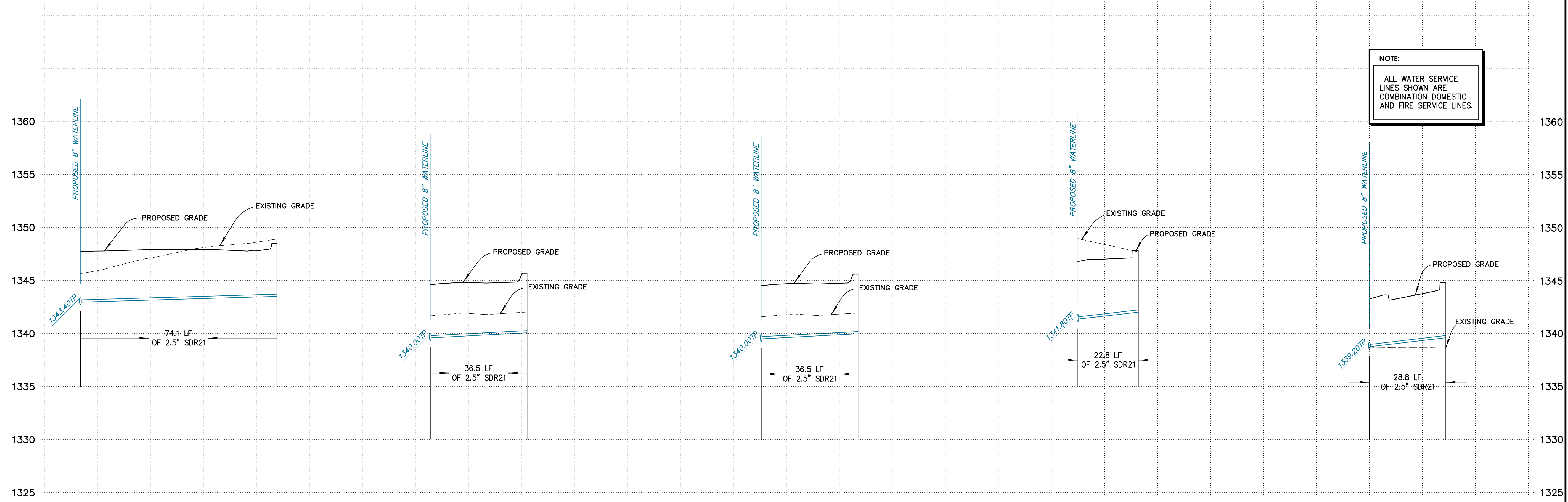
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Scale: 1"= 20' NORTH



BLDG 109 Sta 0+00 to 0+23
Scale: 1"= 20' NORTH



BLDG 110 Sta 0+00 to 0+29
Scale: 1"= 20' NORTH



NOTE:
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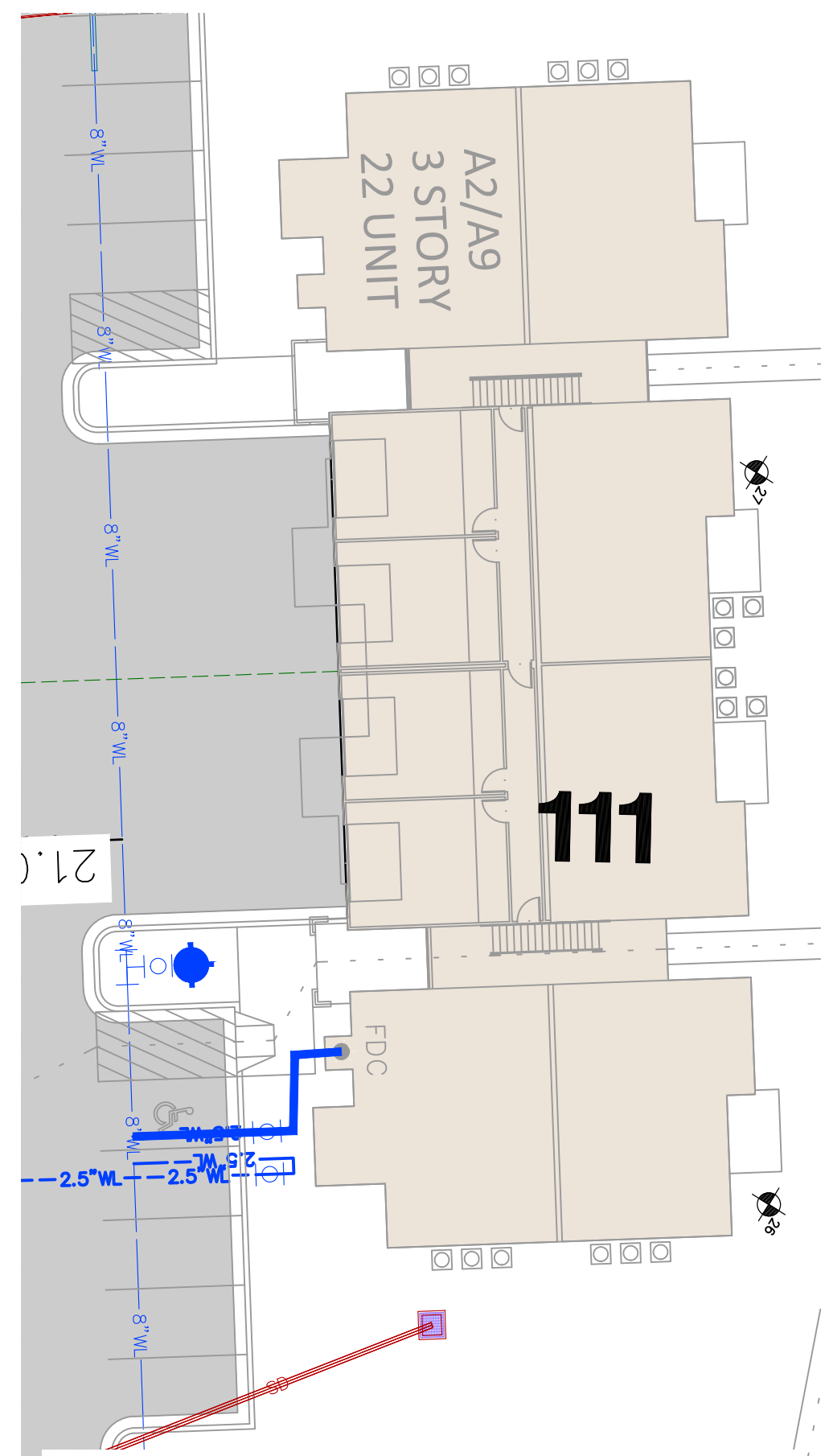
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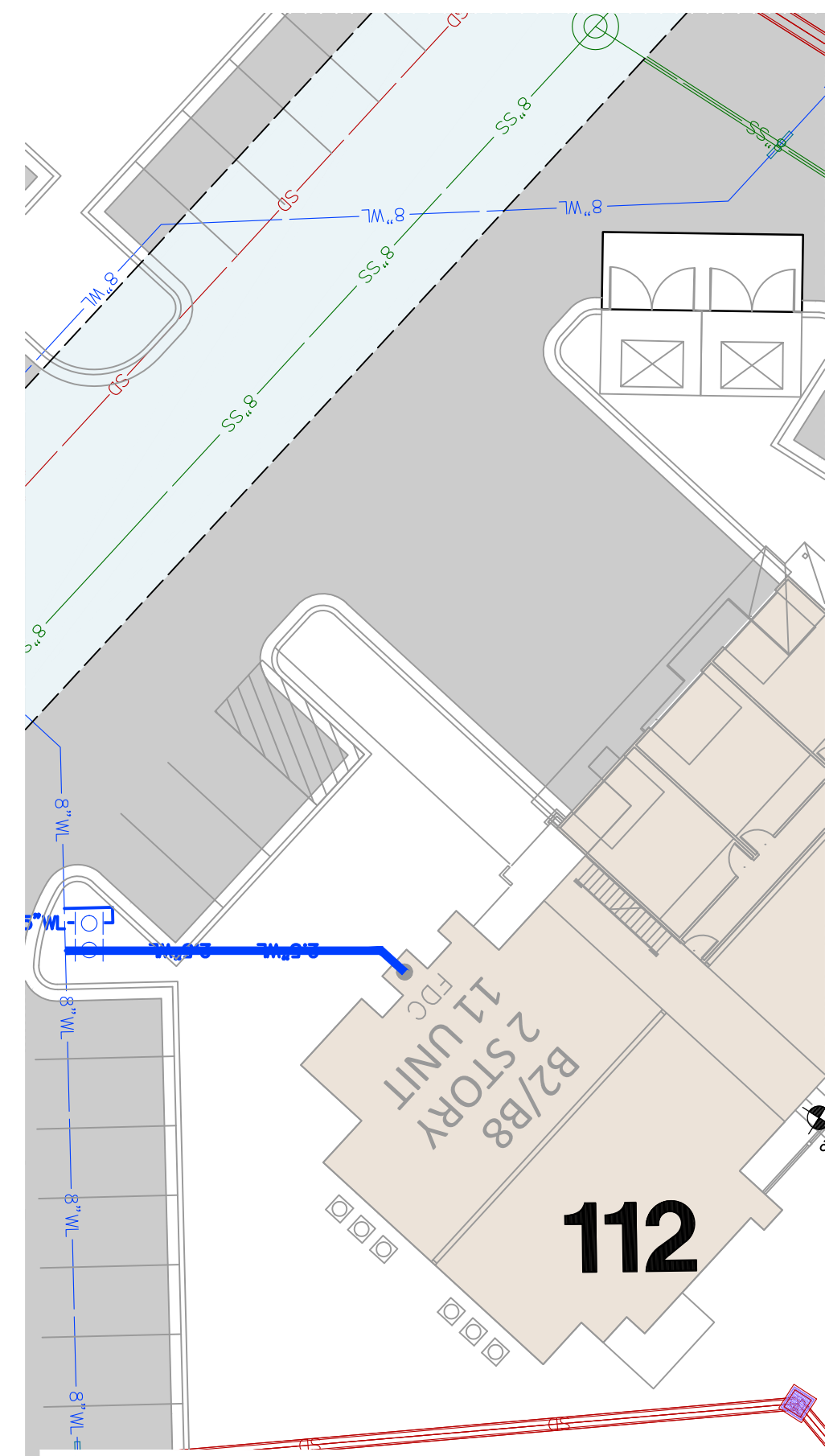
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 Wichita, Kansas

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 PLAN SCALE: (H) 1"=20'
 (V) 1"=5'
Water Service Line Plan & Profile 2
WL08
 OF 00

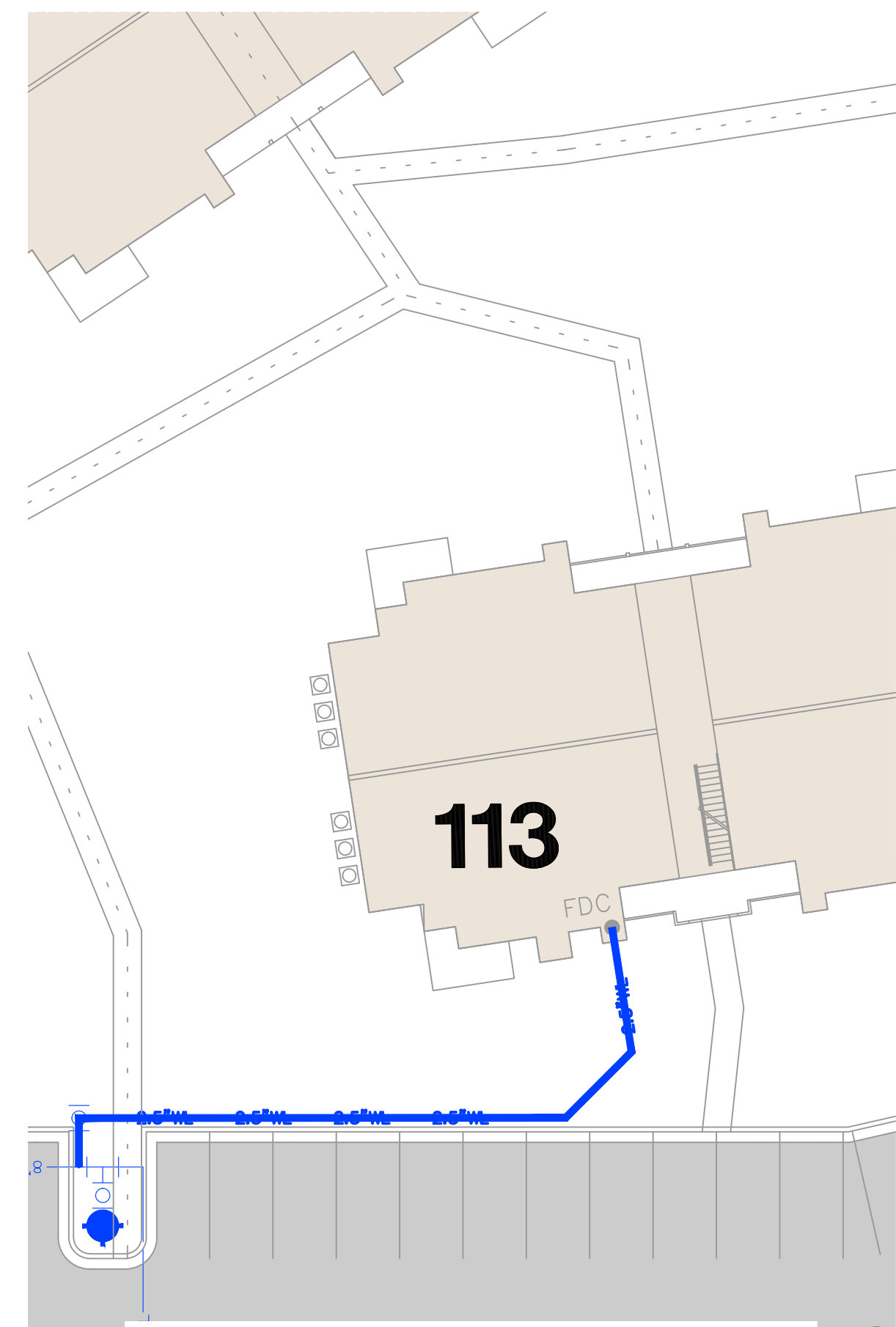
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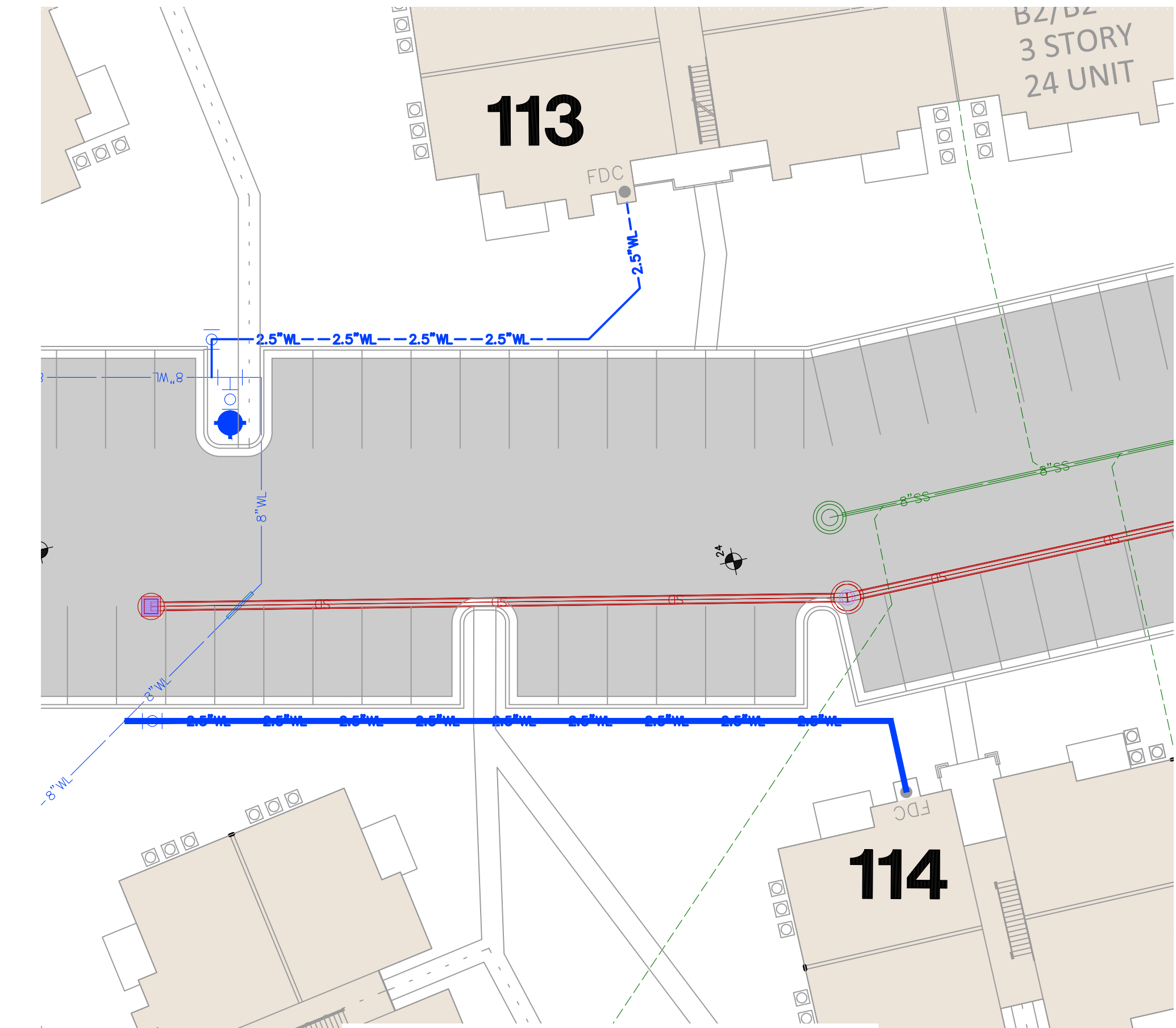
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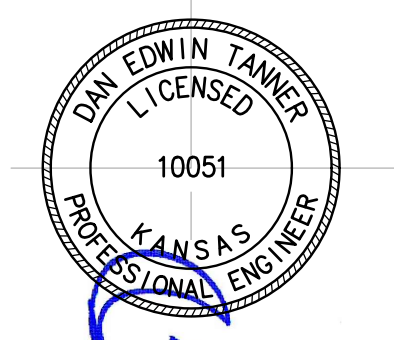
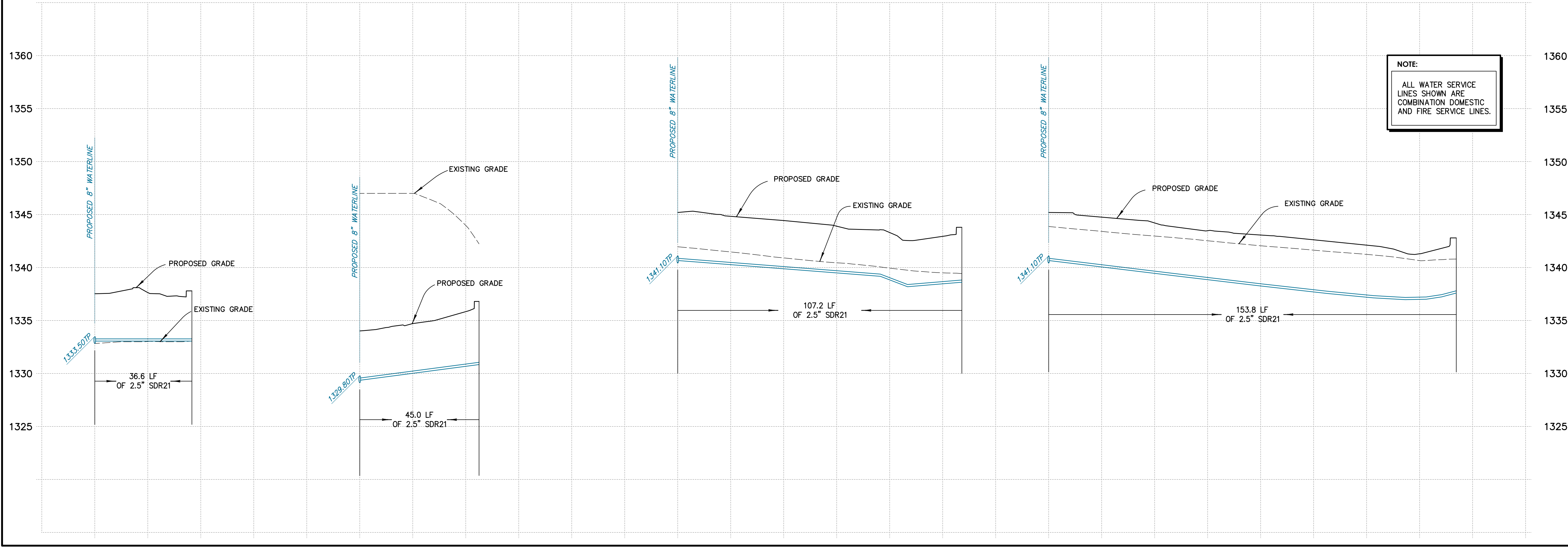
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BLDG 113 Sta 0+00 to 1+07
Scale: 1"= 20'



BLDG 114 Sta 0+00 to 1+54
Scale: 1"= 20'



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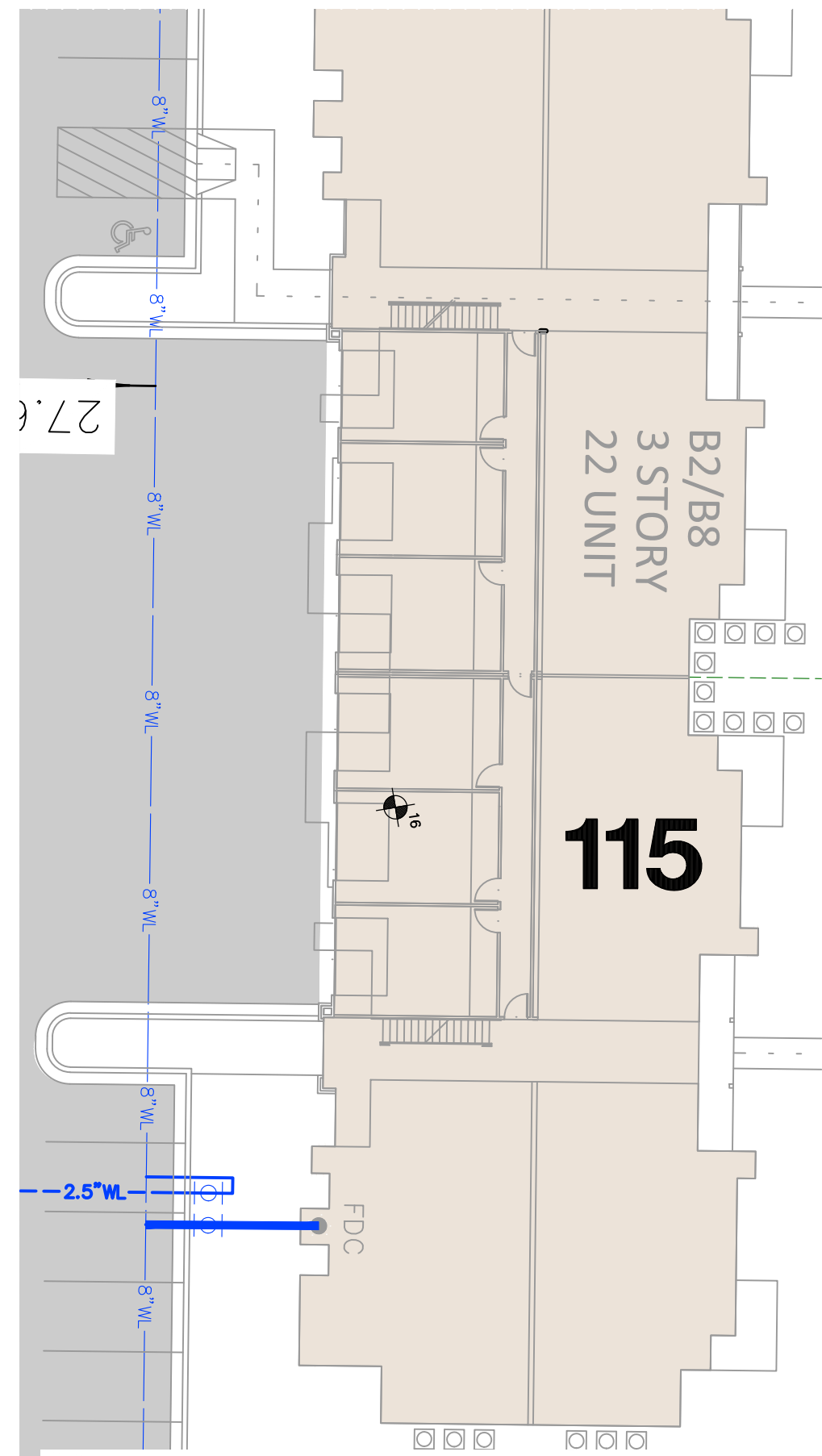
Cottages At Crestview

Grading, Drainage & Utilities
Wichita, Kansas

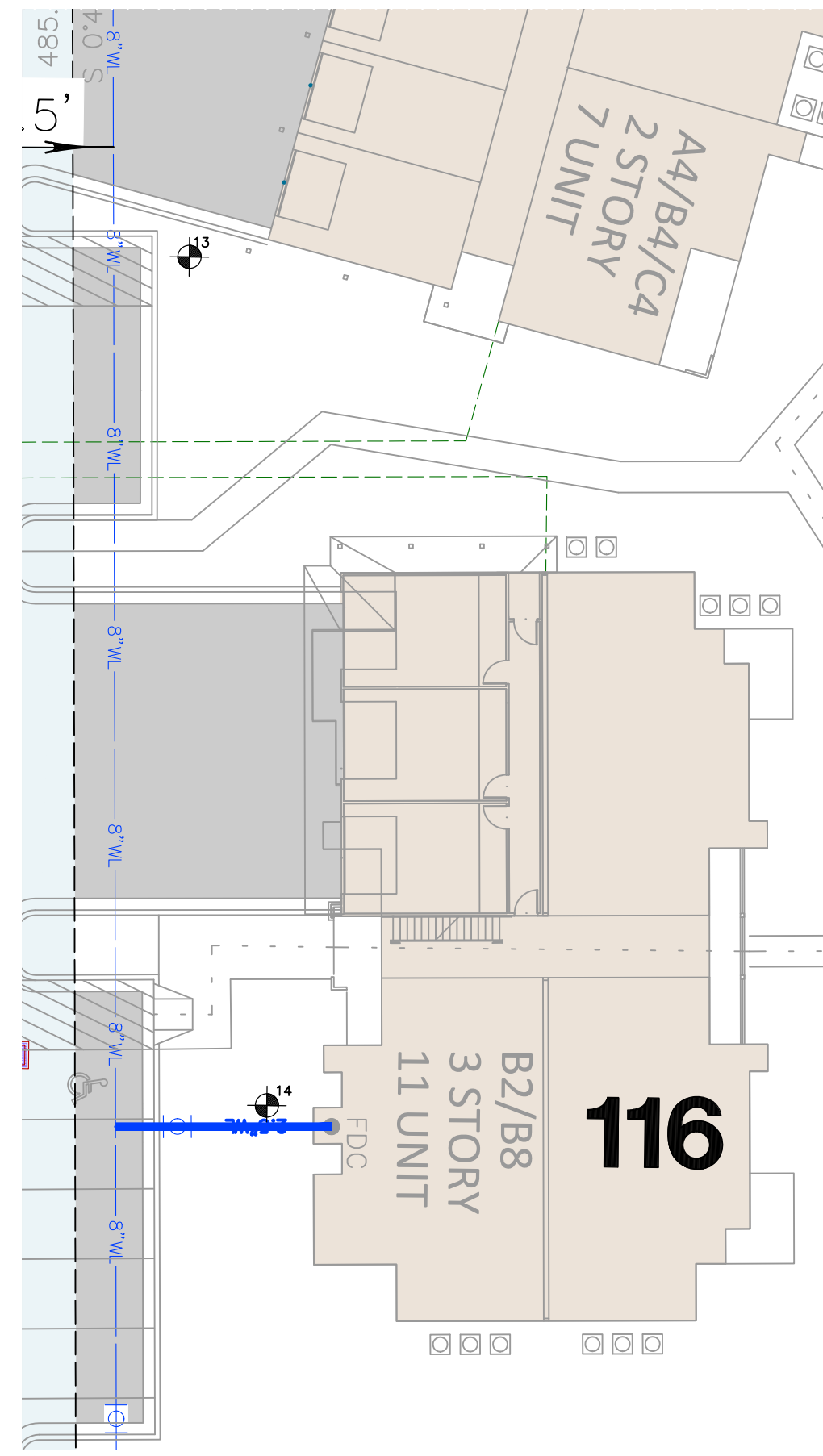
PROJECT: 17006
ISSUE DATE:
ATLAS PAGE NO:
PLAN SCALE: (H) 1"=20'
(V) 1"=5'

Water Service Line Plan & Profile 3

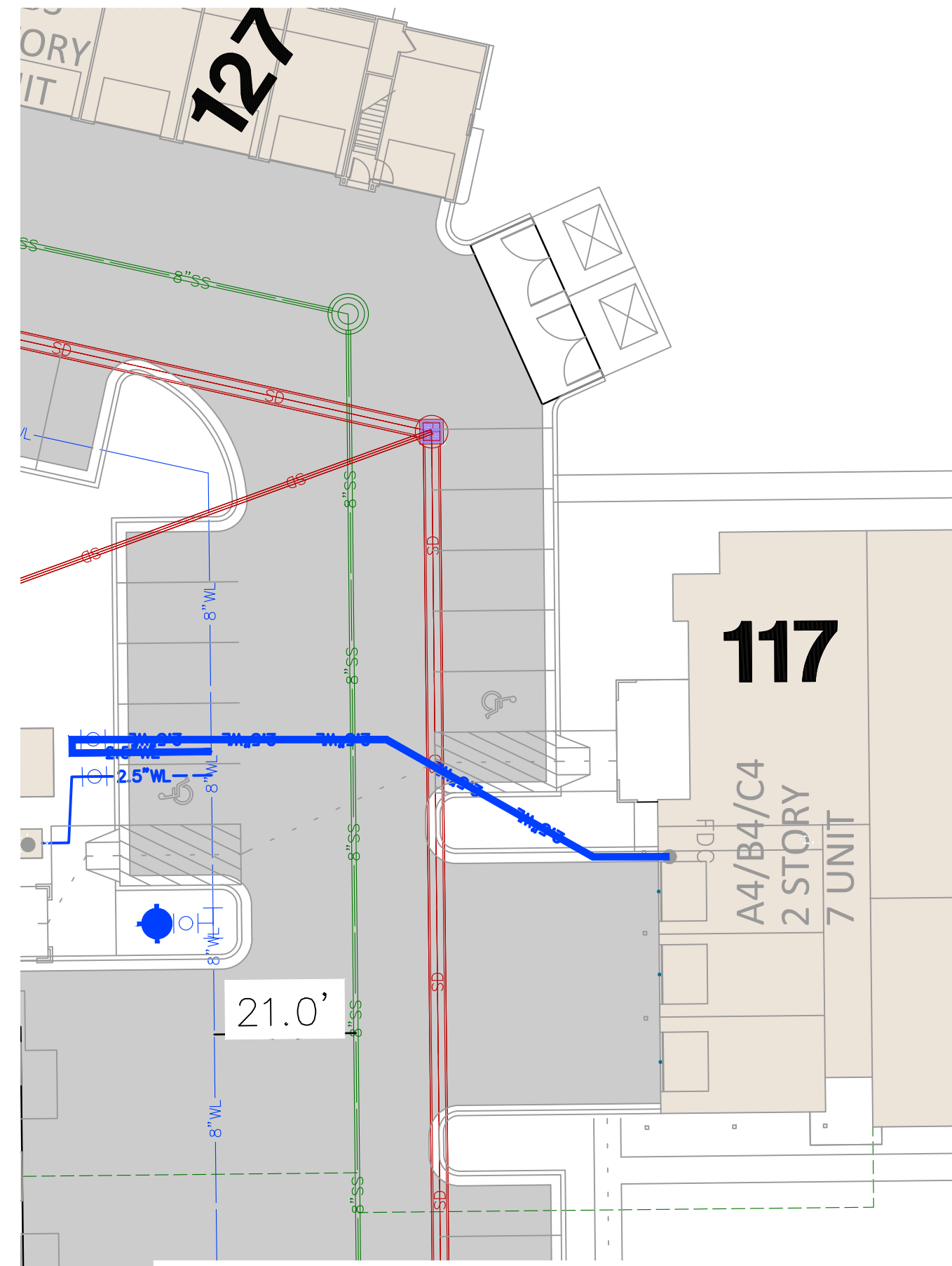
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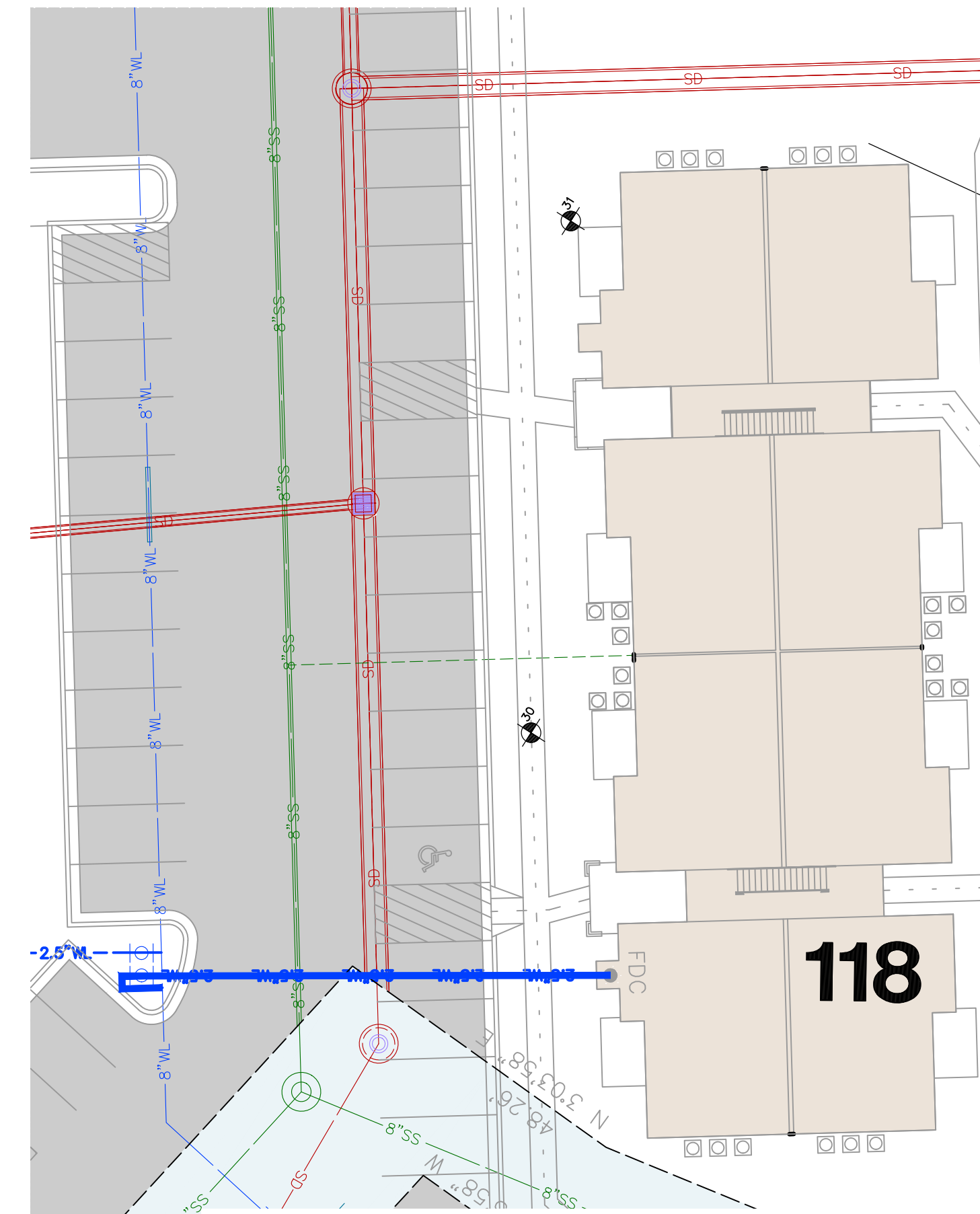
BLDG 115 Sta 0+00 to 0+23
Scale: 1"= 20' NORTH



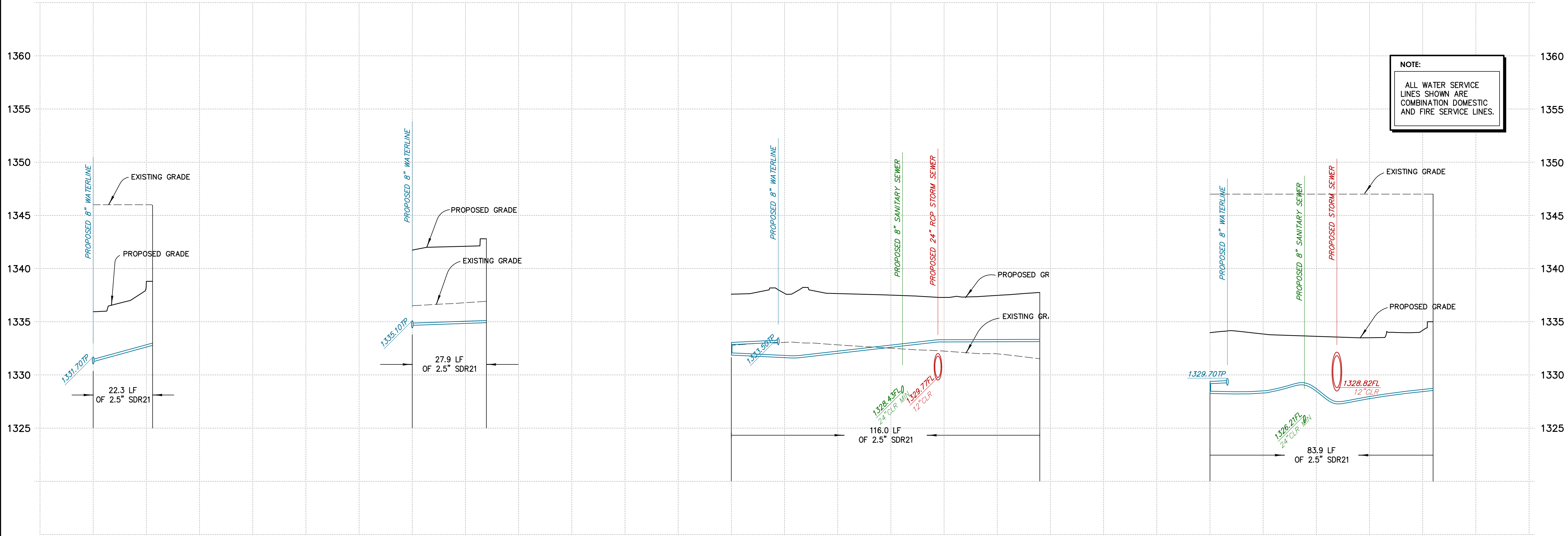
BLDG 116 Sta 0+00 to 0+28
Scale: 1"= 20' NORTH



BLDG 117 Sta 0+00 to 1+16
Scale: 1"= 20' NORTH



BLDG 118 Sta 0+00 to 0+84
Scale: 1"= 20' NORTH



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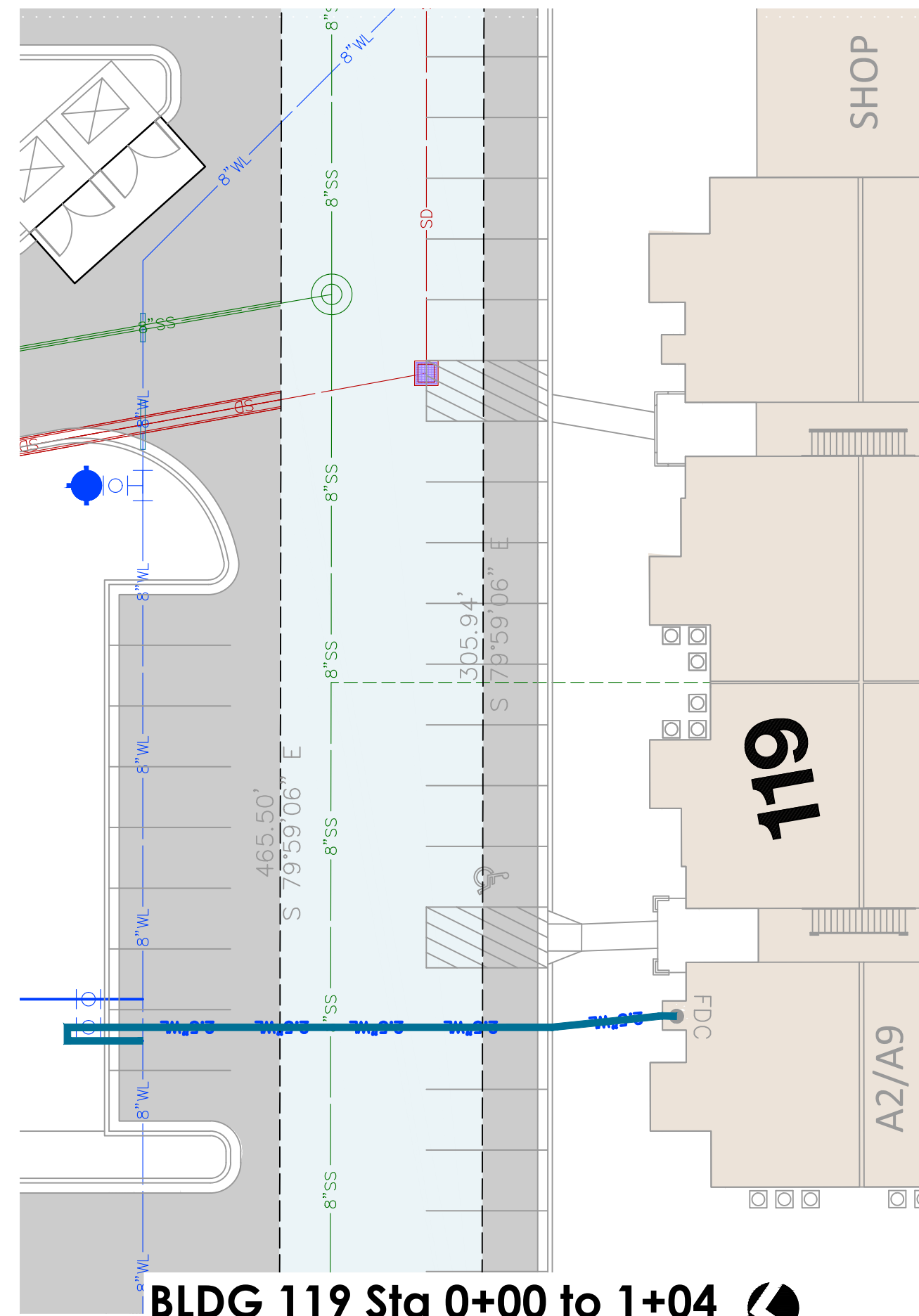
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MILESTONE	DATE
1ST SUBMITTAL	08/18/17
2ND SUBMITTAL	10/06/17
3RD SUBMITTAL	10/26/17
PLOT DATE: 12/05/17	

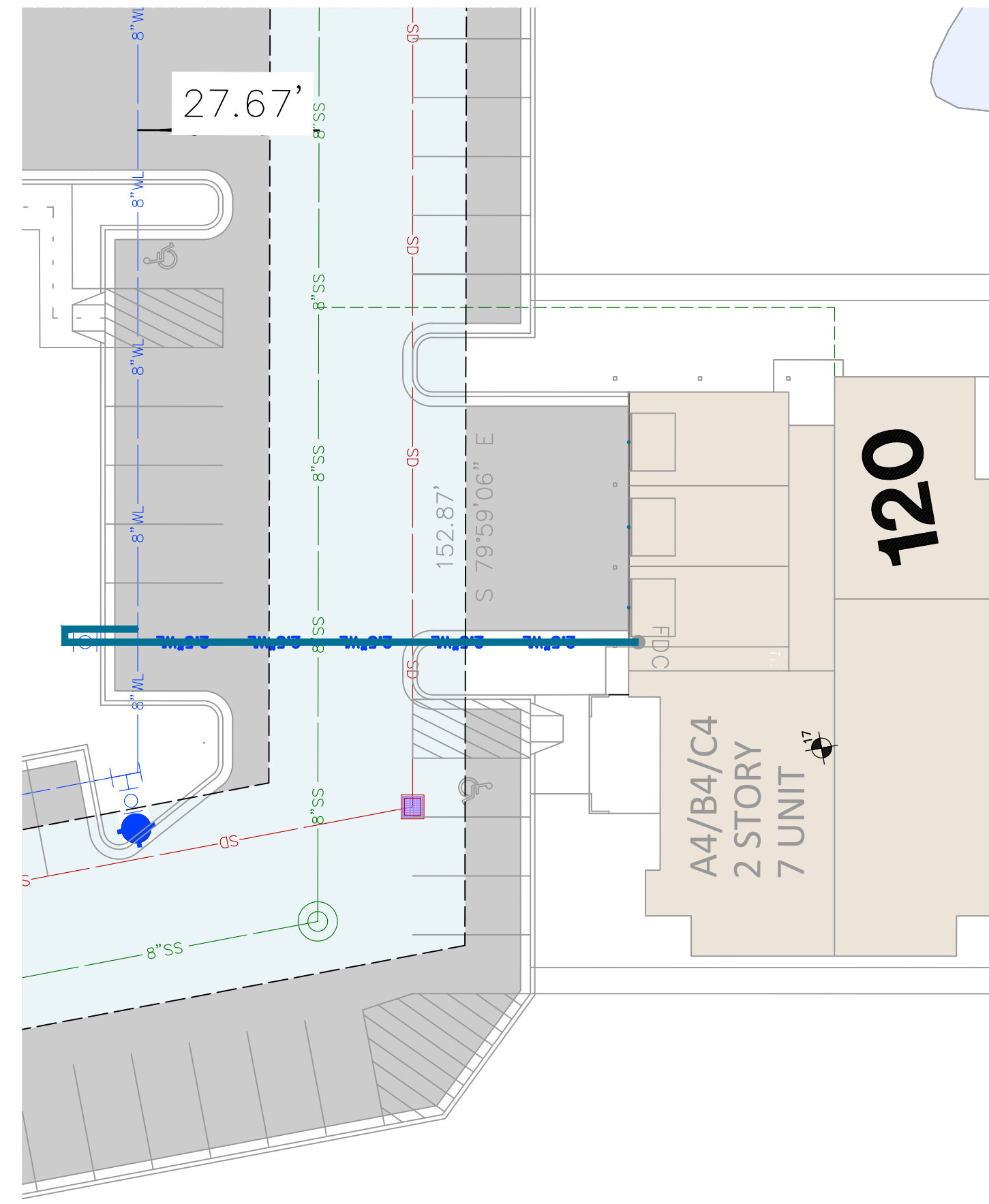
Cottages At Crestview

Grading, Drainage & Utilities
Wichita, Kansas

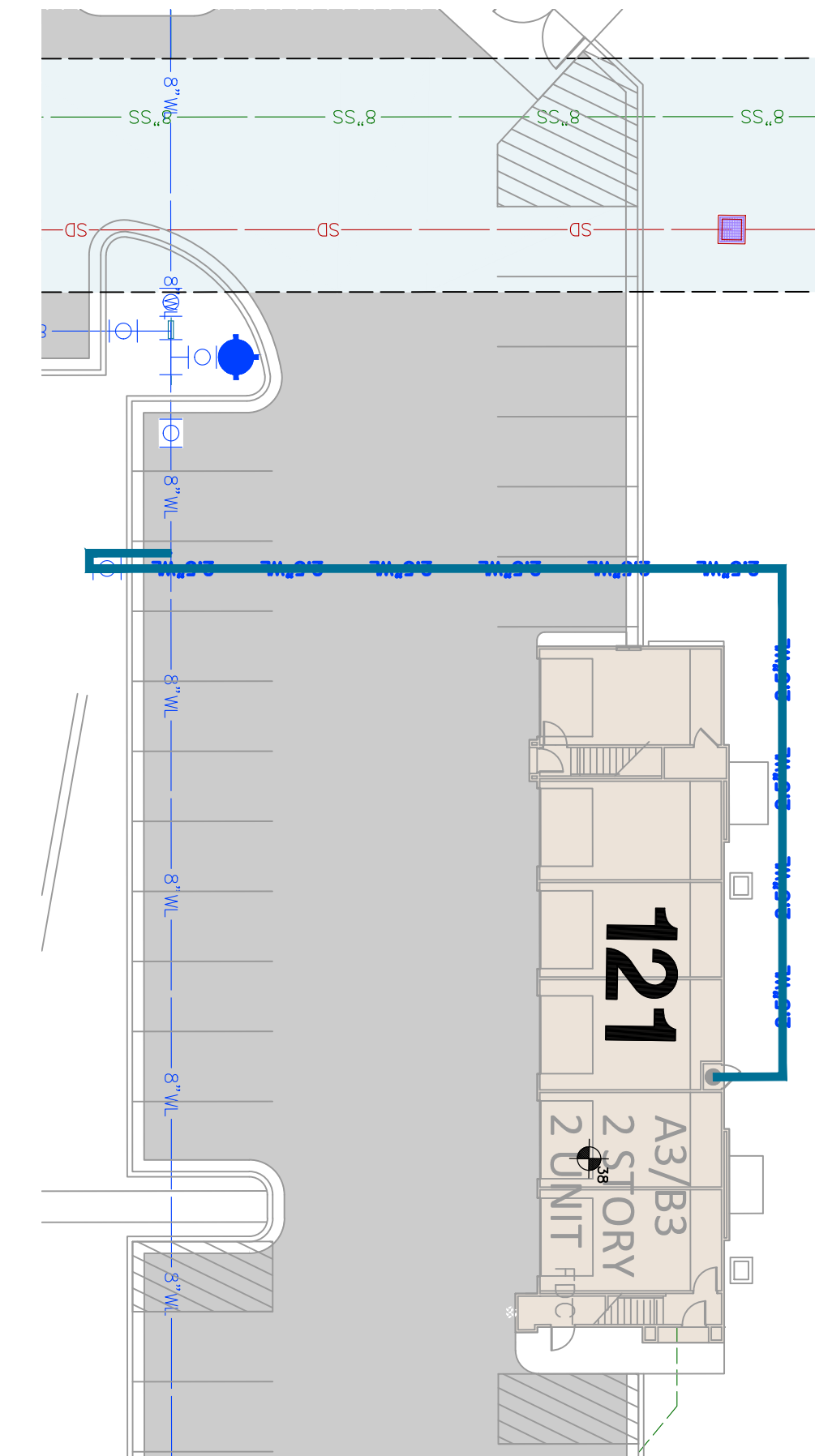
PROJECT: 17006
 ISSUE DATE:
 ATLAS PAGE NO:
 PLAN SCALE: (H) 1"=20'
 (V) 1"=5'
Water Service Line Plan & Profile 4
WL10
 OF 00



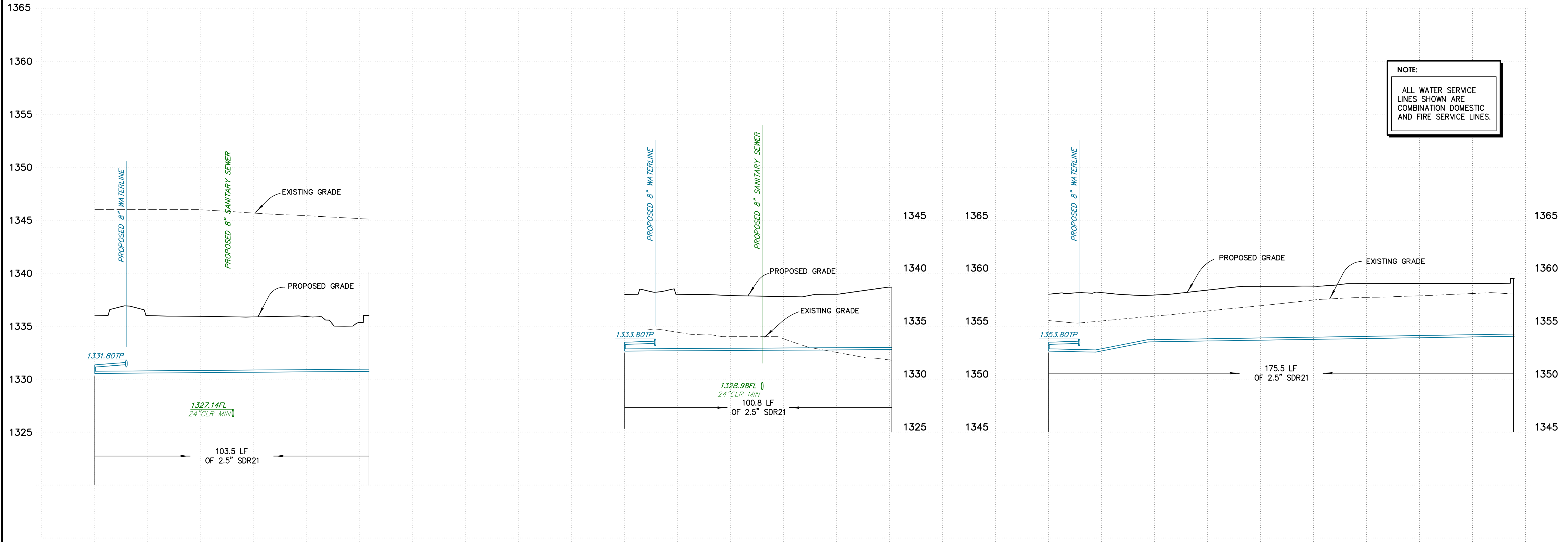
BLDG 119 Sta 0+00 to 1+04 NORTH
Scale: 1"= 20'



BLDG 120 Sta 0+00 to 1+01 NORTH
Scale: 1"= 20'



BLDG 121 Sta 0+00 to 1+67 NORTH
Scale: 1"= 20'



NOTE:
ALL WATER SERVICE LINES SHOWN ARE COMBINATION DOMESTIC AND FIRE SERVICE LINES.

DAN EDWIN TANNER
LICENSED PROFESSIONAL ENGINEER
10051
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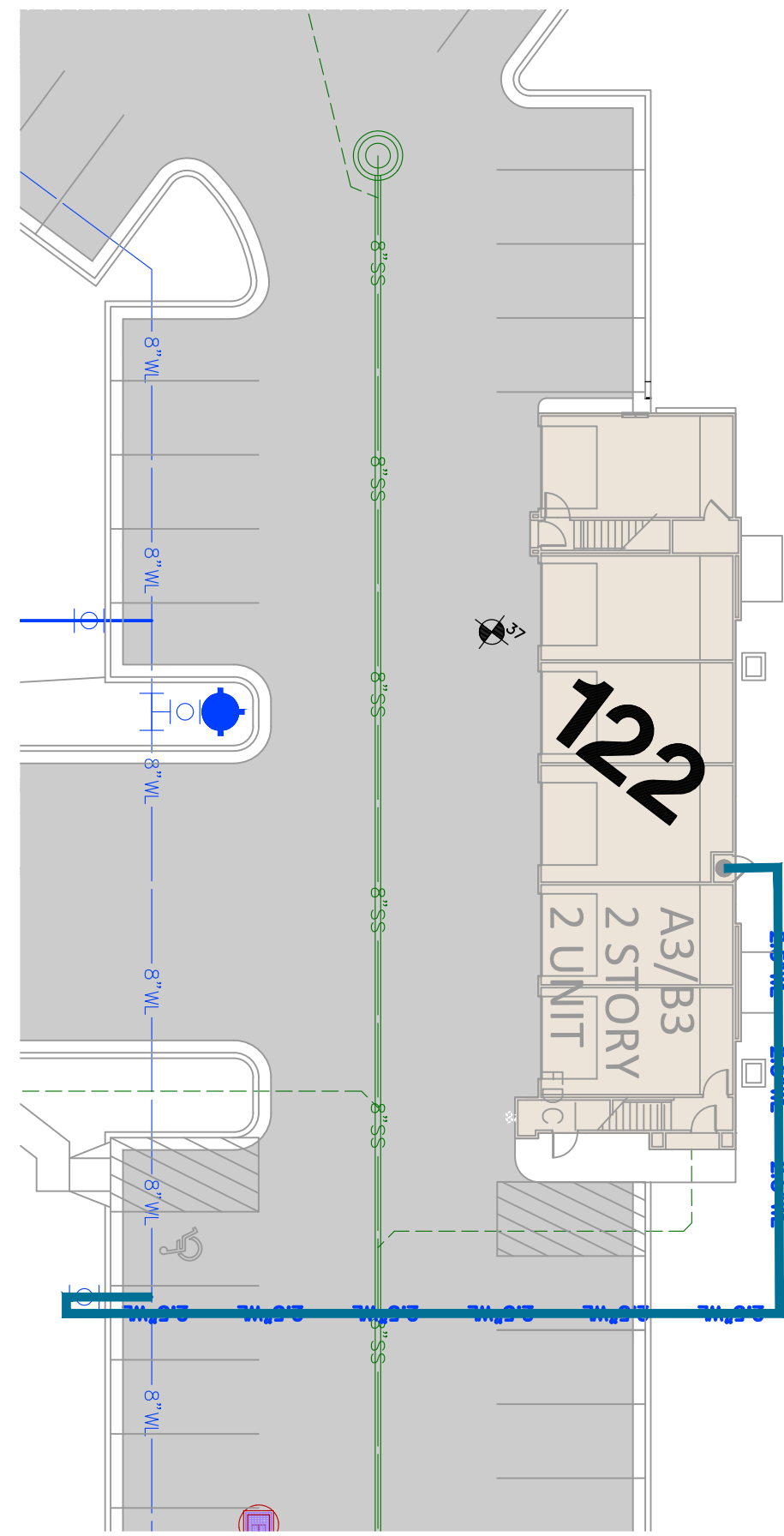
811
Know what's below.
Call before you dig.
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3RD SUBMITTAL	10/26/17
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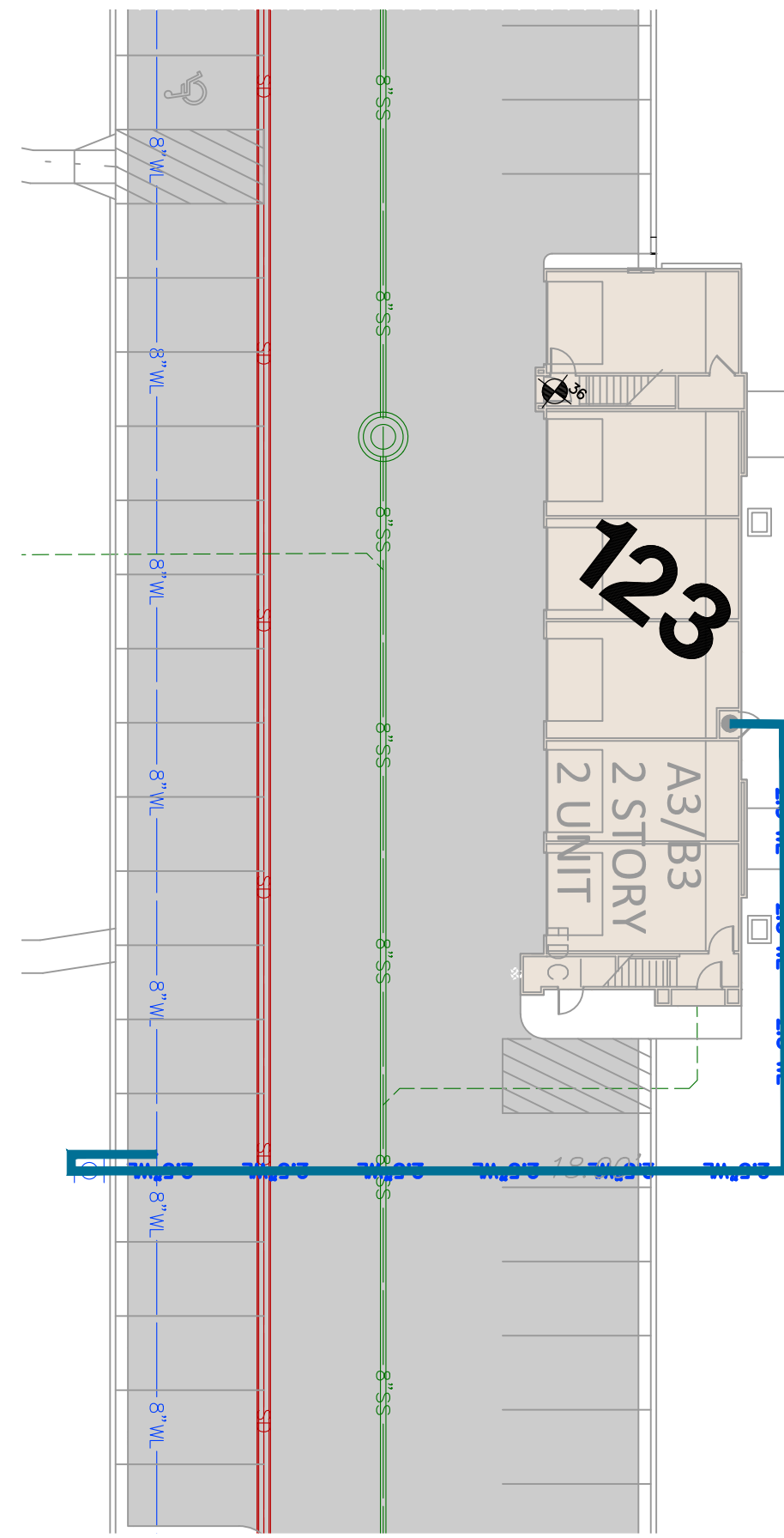
Cottages At Crestview
Grading, Drainage & Utilities
Wichita, Kansas

PROJECT: 17006
ISSUE DATE:
ATLAS PAGE NO:
PLAN SCALE: (H) 1"=20'
(V) 1"=5'
Water Service Line Plan & Profile 5
WL11
OF 00

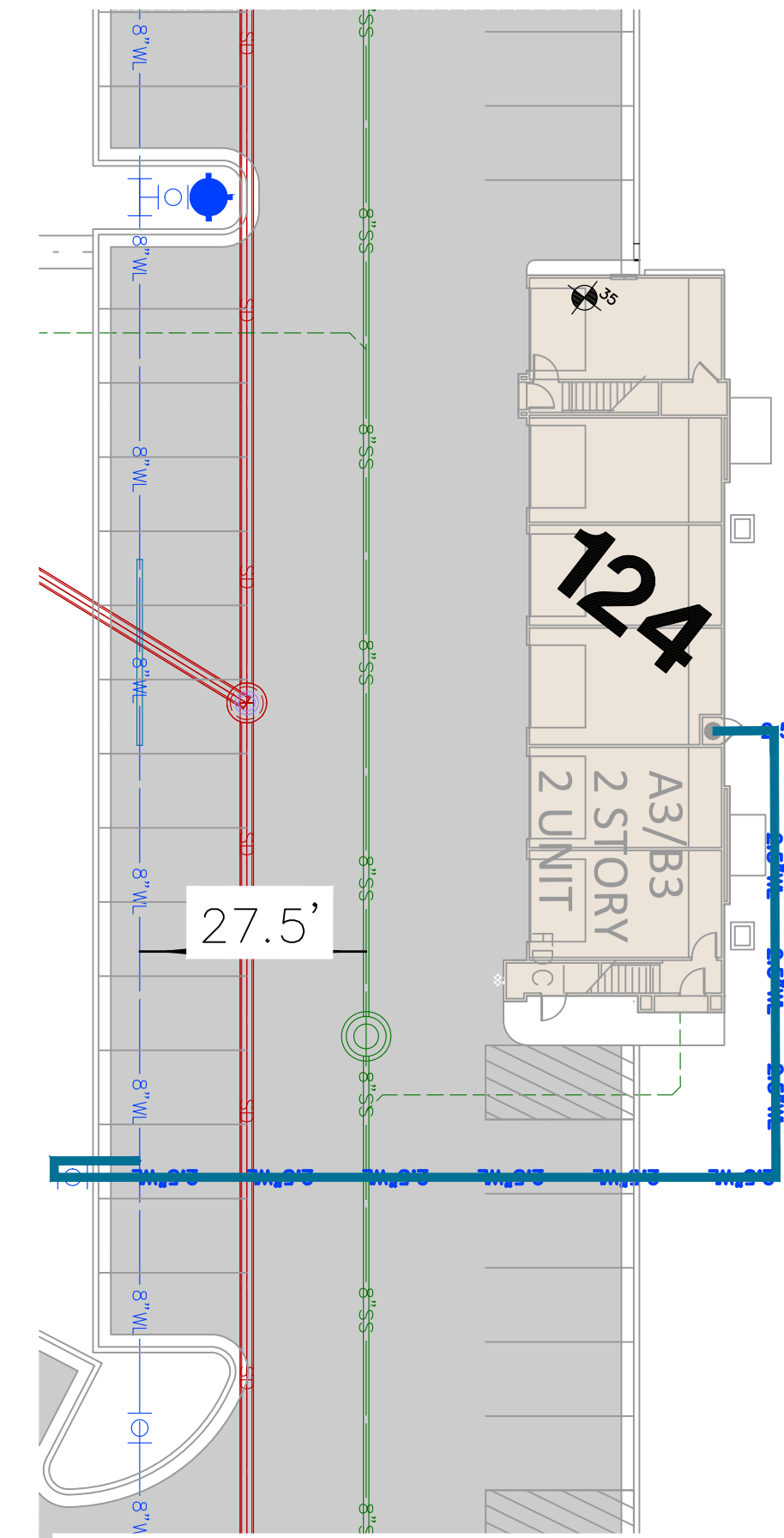
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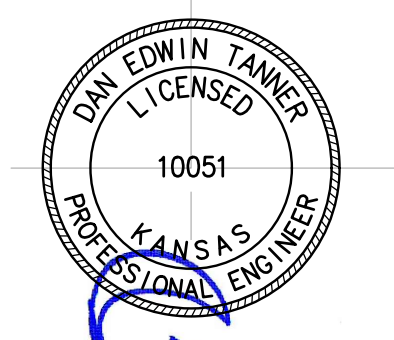
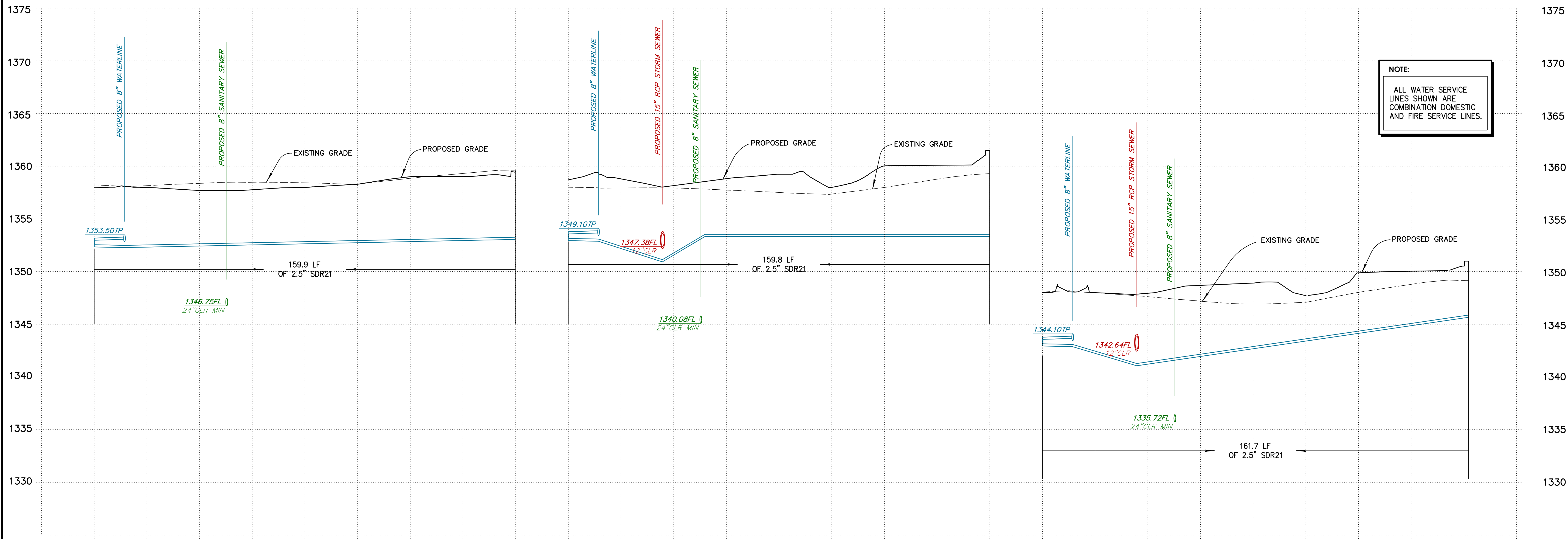
BLDG 122 Sta 0+00 to 1+54
Scale: 1"= 20' NORTH



BLDG 123 Sta 0+00 to 1+54
Scale: 1"= 20' NORTH



BLDG 124 Sta 0+00 to 1+55
Scale: 1"= 20' NORTH



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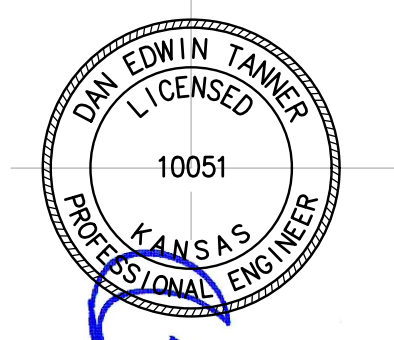
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PLOT DATE: 12/05/17	

Cottages At Crestview

Grading, Drainage & Utilities
Wichita, Kansas

PROJECT: 17006
ISSUE DATE:
ATLAS PAGE NO:
PLAN SCALE: (H) 1"=20'
(V) 1"=5'
Water Service Line Plan & Profile 6
WL12
OF 00

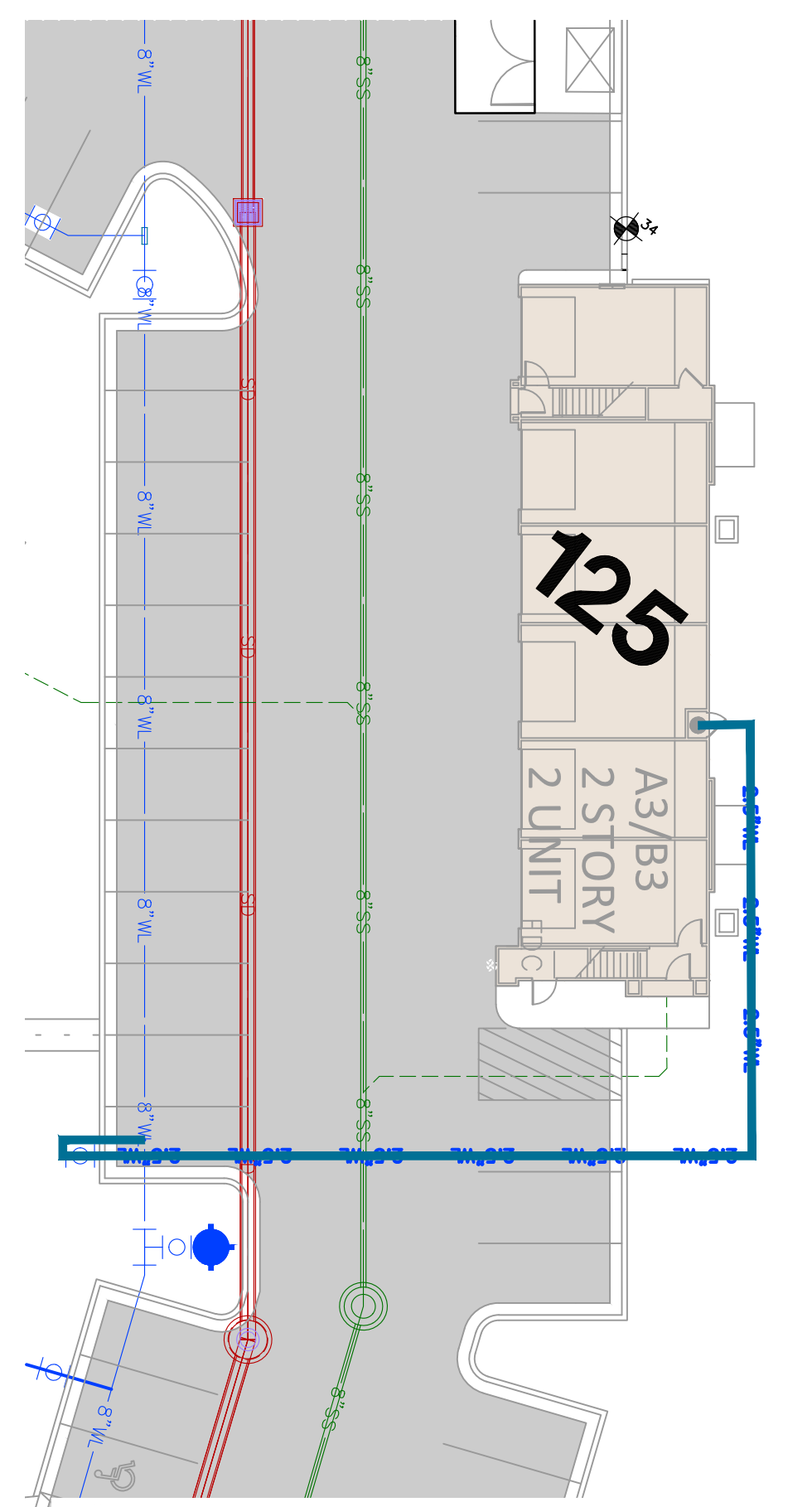


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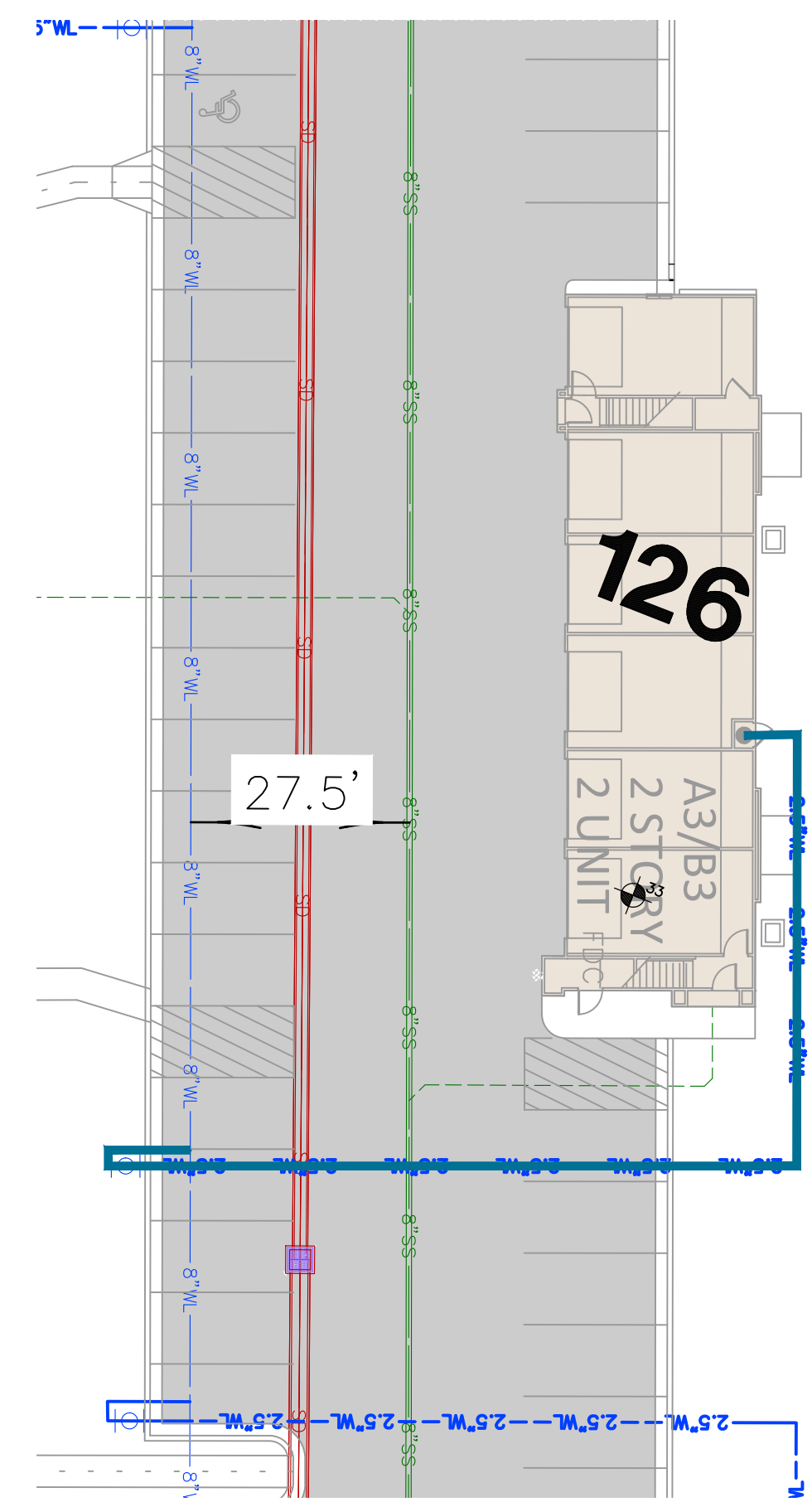


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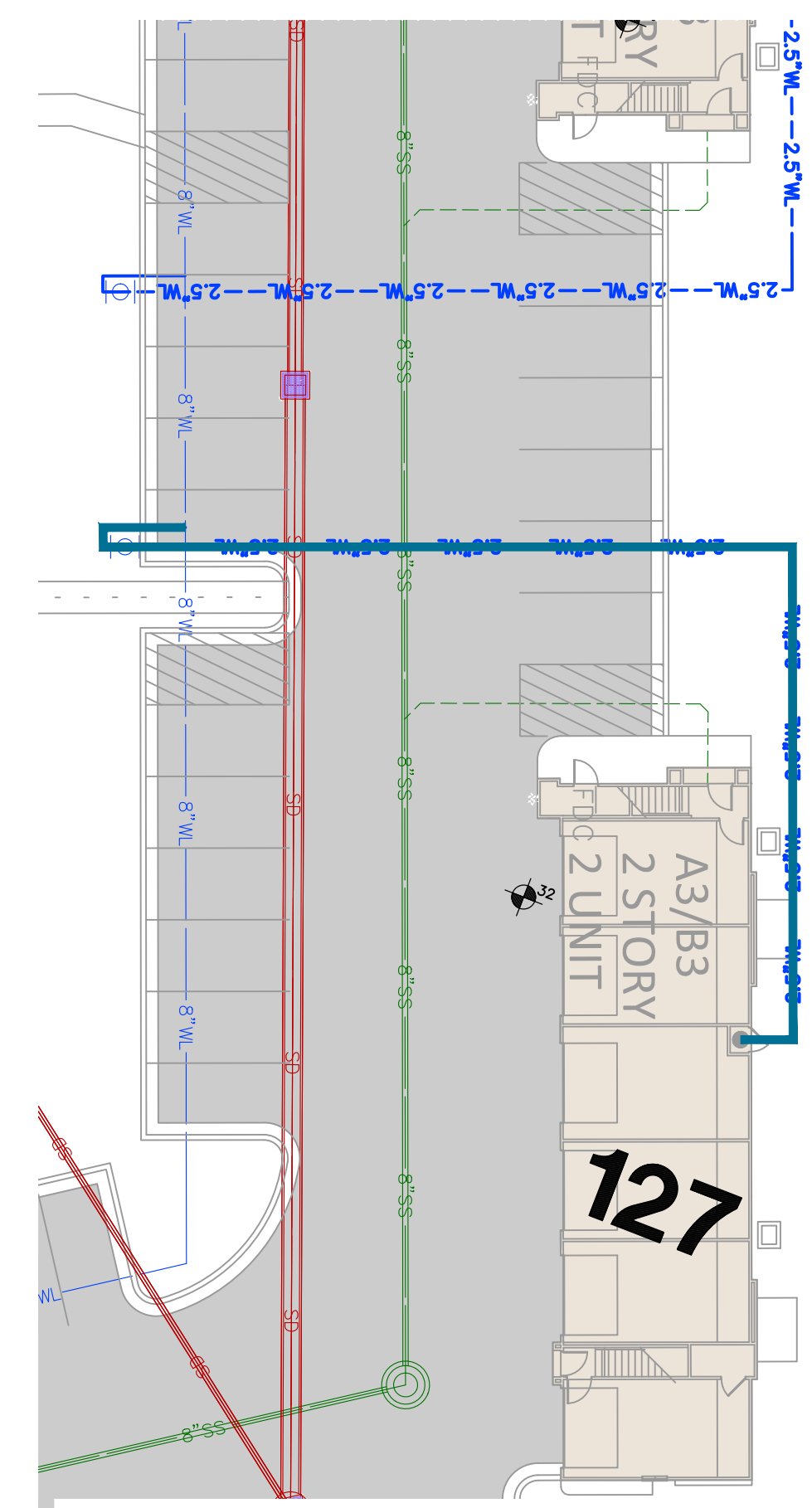
MILESTONE	DATE
1ST SUBMITTAL	08/18/17
2ND SUBMITTAL	10/06/17
3RD SUBMITTAL	10/26/17
PLOT DATE: 12/05/17	



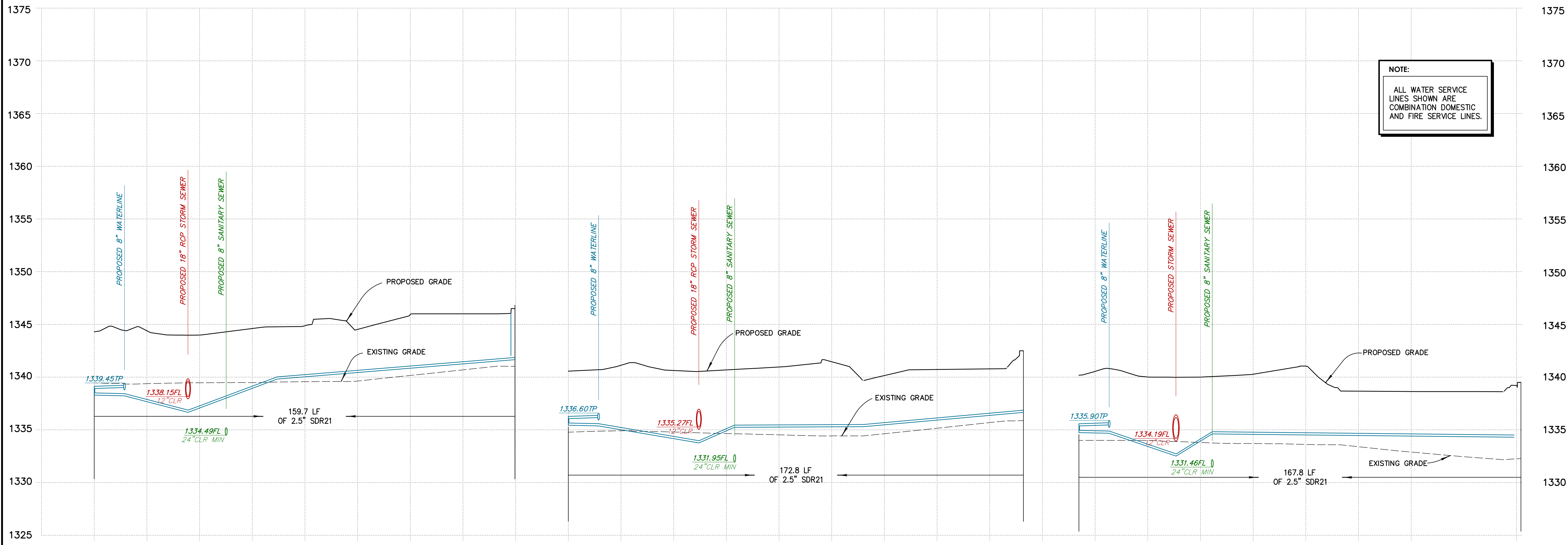
BLDG 125 Sta 0+00 to 1+54
 Scale: 1"= 20' NORTH



BLDG 126 Sta 0+00 to 1+73
 Scale: 1"= 20' NORTH



BLDG 127 Sta 0+00 to 1+68
 Scale: 1"= 20' NORTH



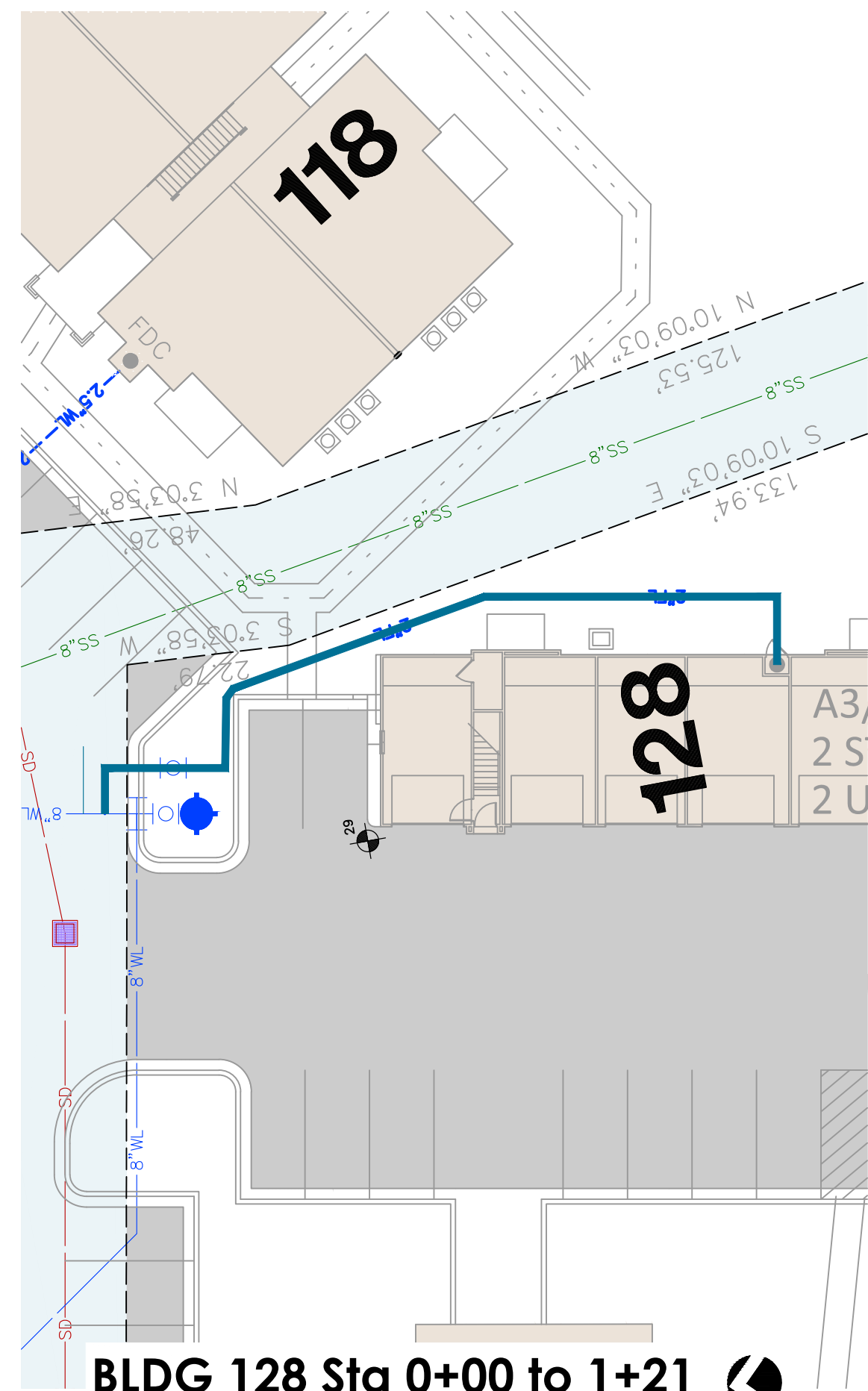
NOTE:
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Cottages At Crestview

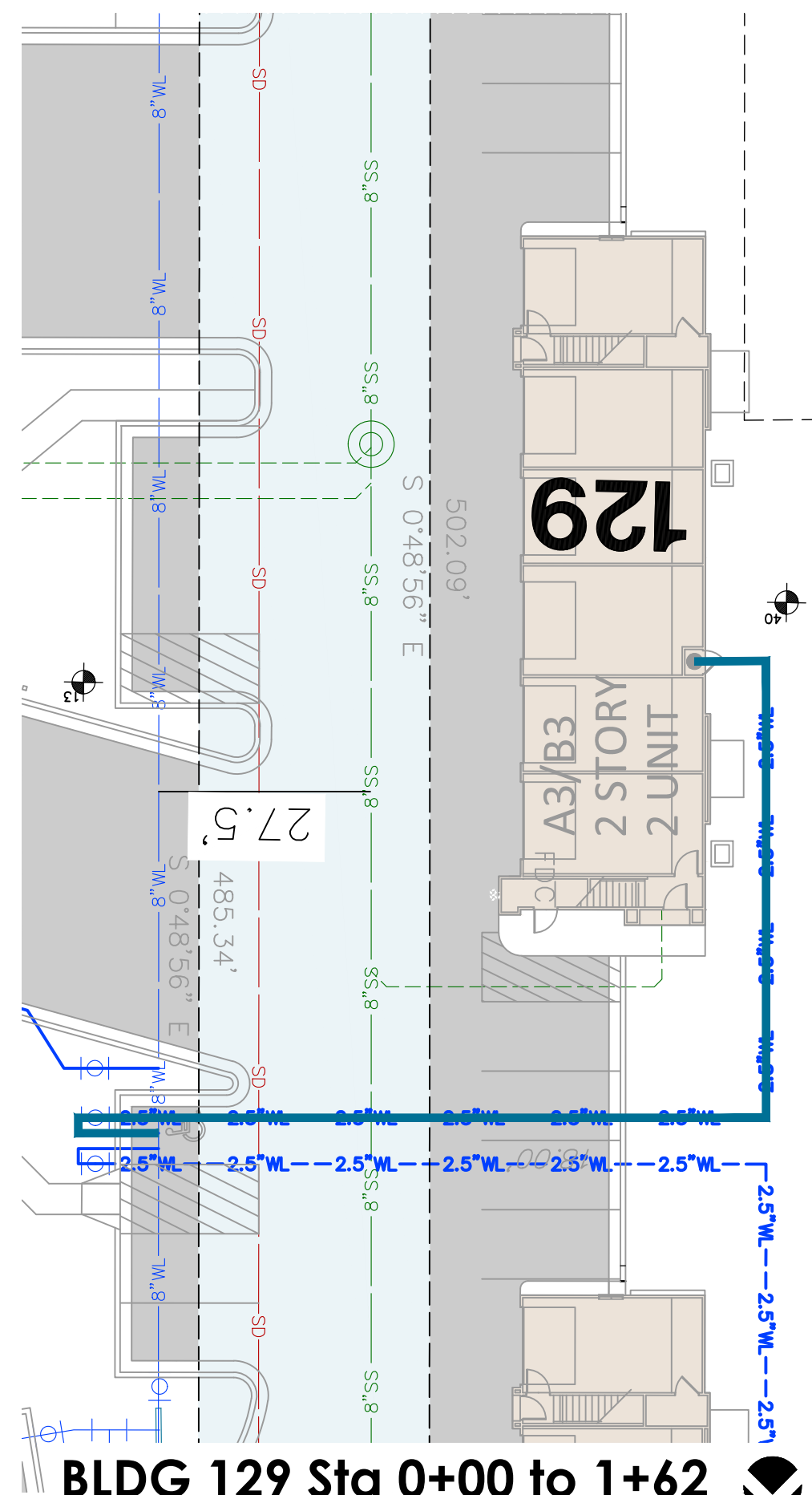
Grading, Drainage & Utilities
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PROJECT: 17006
 ISSUE DATE:
 ATLAS PAGE NO:
 PLAN SCALE: (H) 1"=20'
 (V) 1"=5'
Water Service Line Plan & Profile 7
WL13
 OF 00

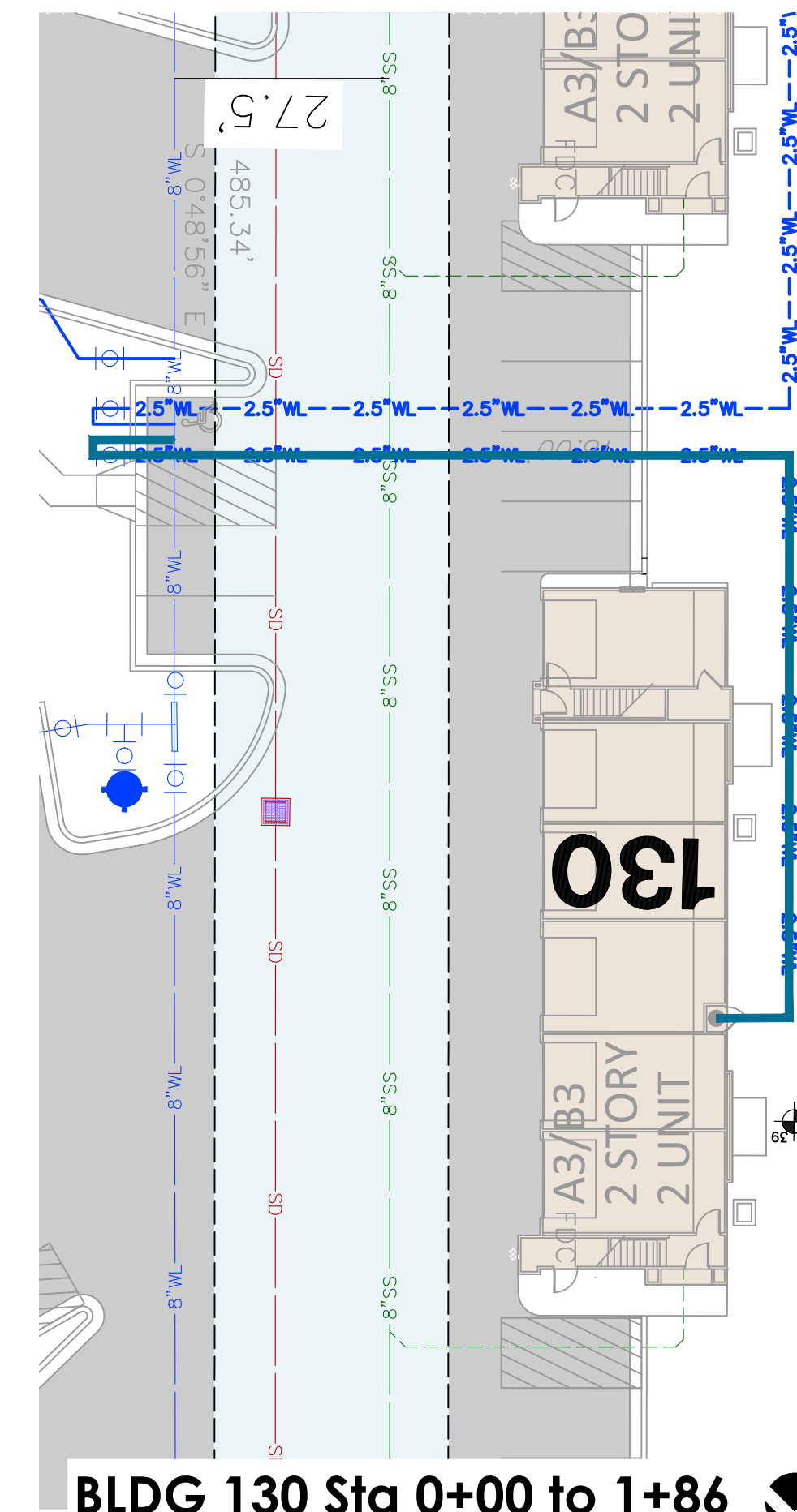
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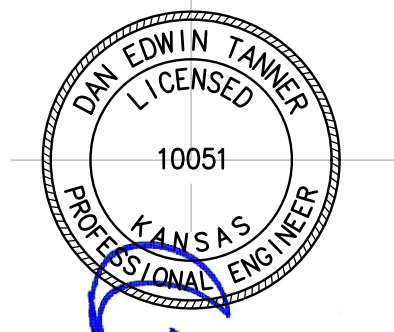
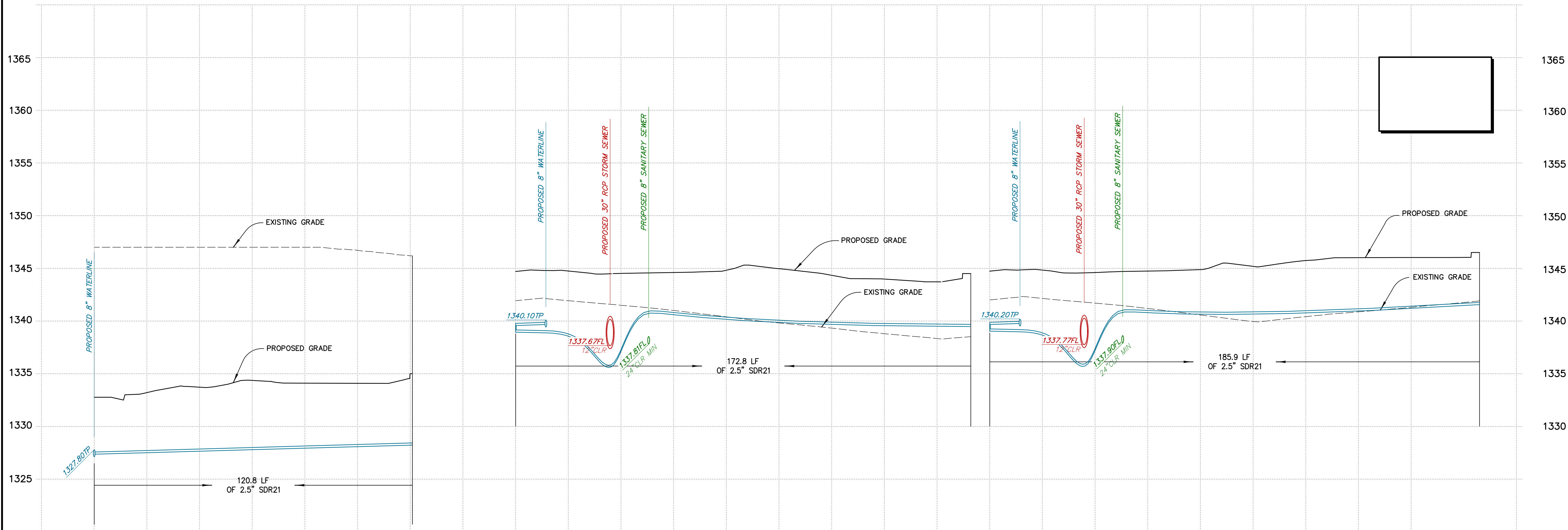
BLDG 128 Sta 0+00 to 1+21
Scale: 1"= 20'



BLDG 129 Sta 0+00 to 1+62
Scale: 1"= 20'



BLDG 130 Sta 0+00 to 1+86
Scale: 1"= 20'



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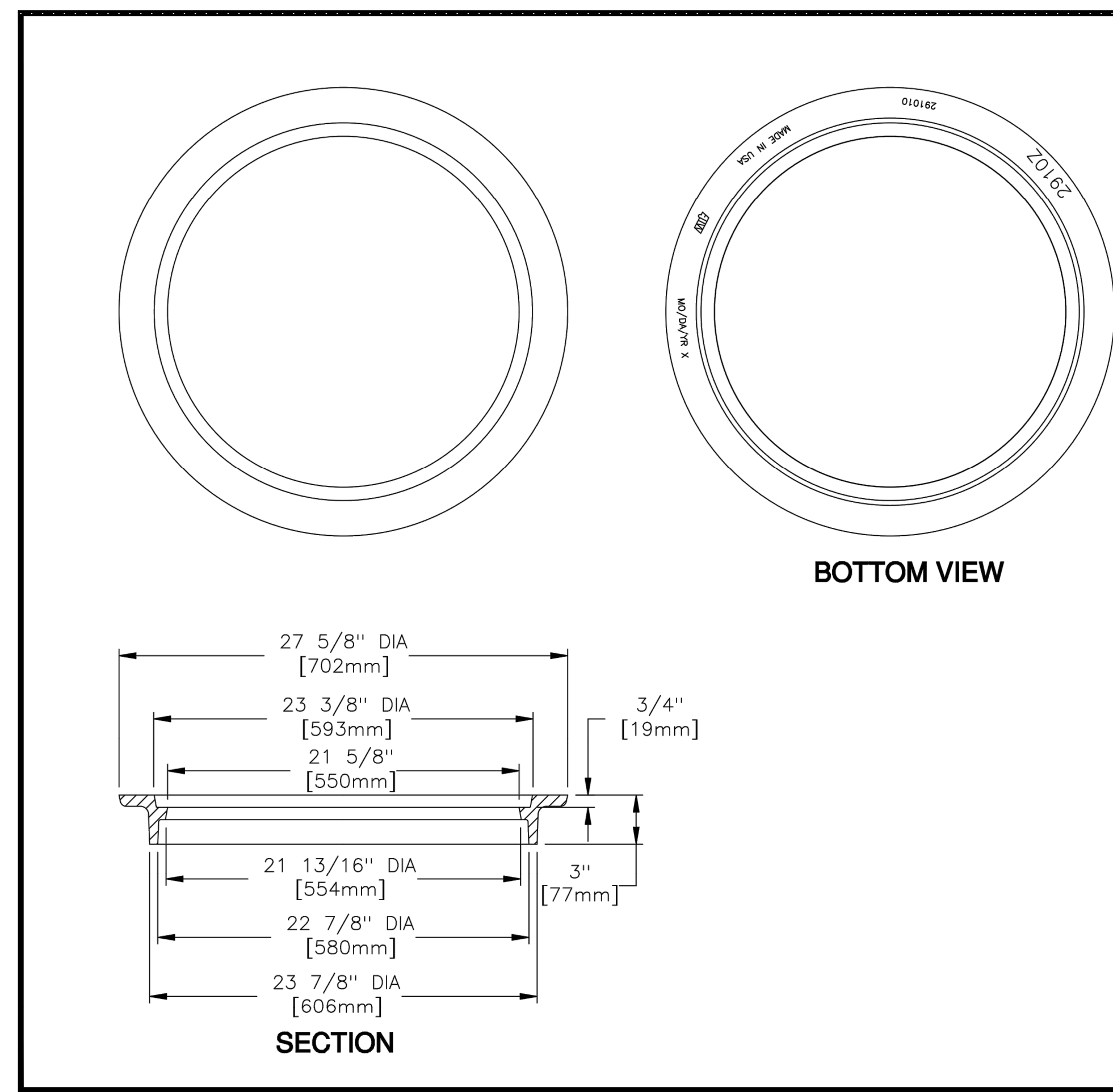
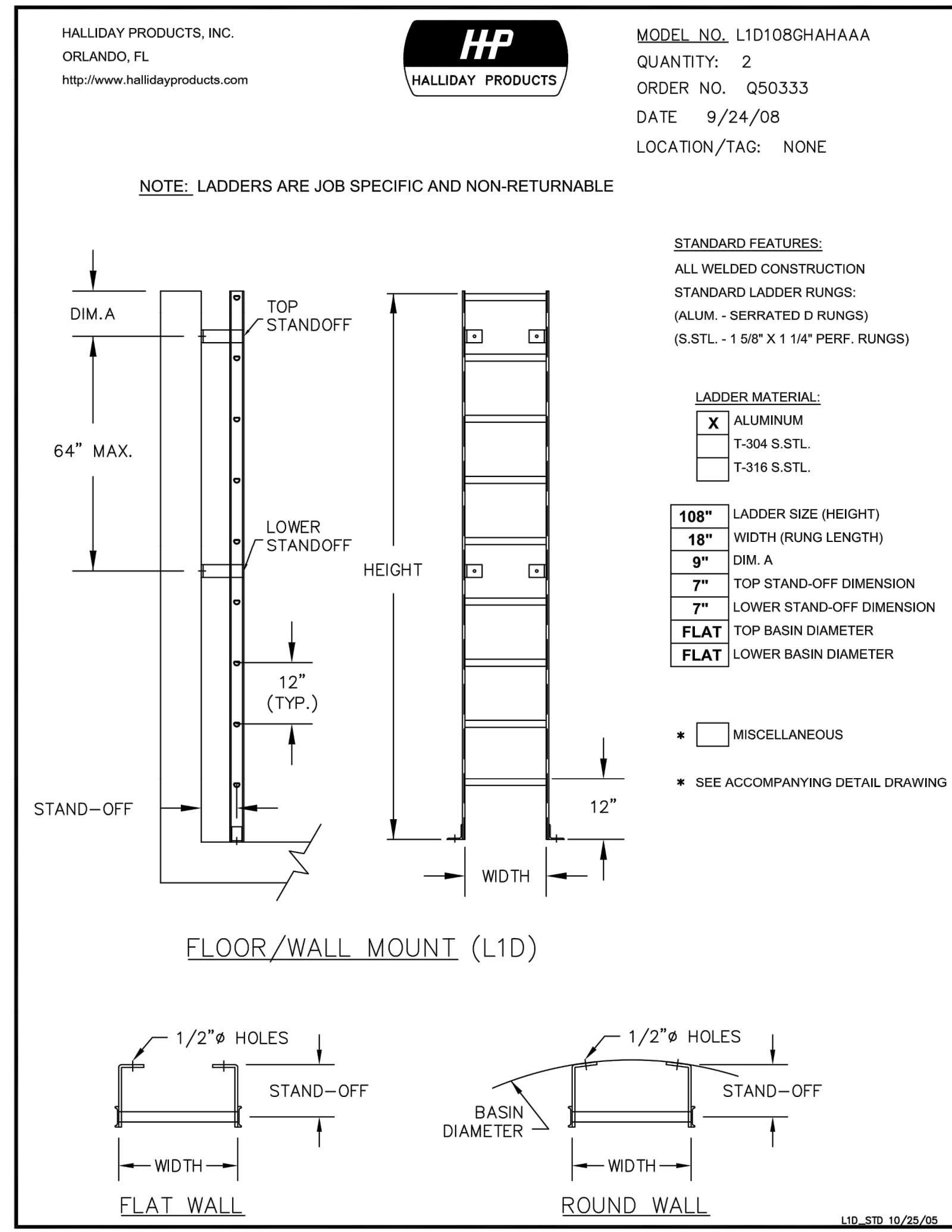
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Cottages At Crestview

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PROJECT: 17006
ISSUE DATE:
ATLAS PAGE NO:
PLAN SCALE: (H) 1"=20'
(V) 1"=5'
Water Service Line Plan & Profile 8
WL14
OF 00



EAST JORDAN IRON WORKS, INC.
P.O. BOX 439
EAST JORDAN, MI. 49727
1-800-874-4100
FAX 231-536-4458

DRAWN DJP	DATE 11/21/03
APPROVED	DATE

2910Z
FRAME

PRODUCT NO.
00291010

CATALOG NO.
2910 Z

REF. PRODUCT DRAWING
291010

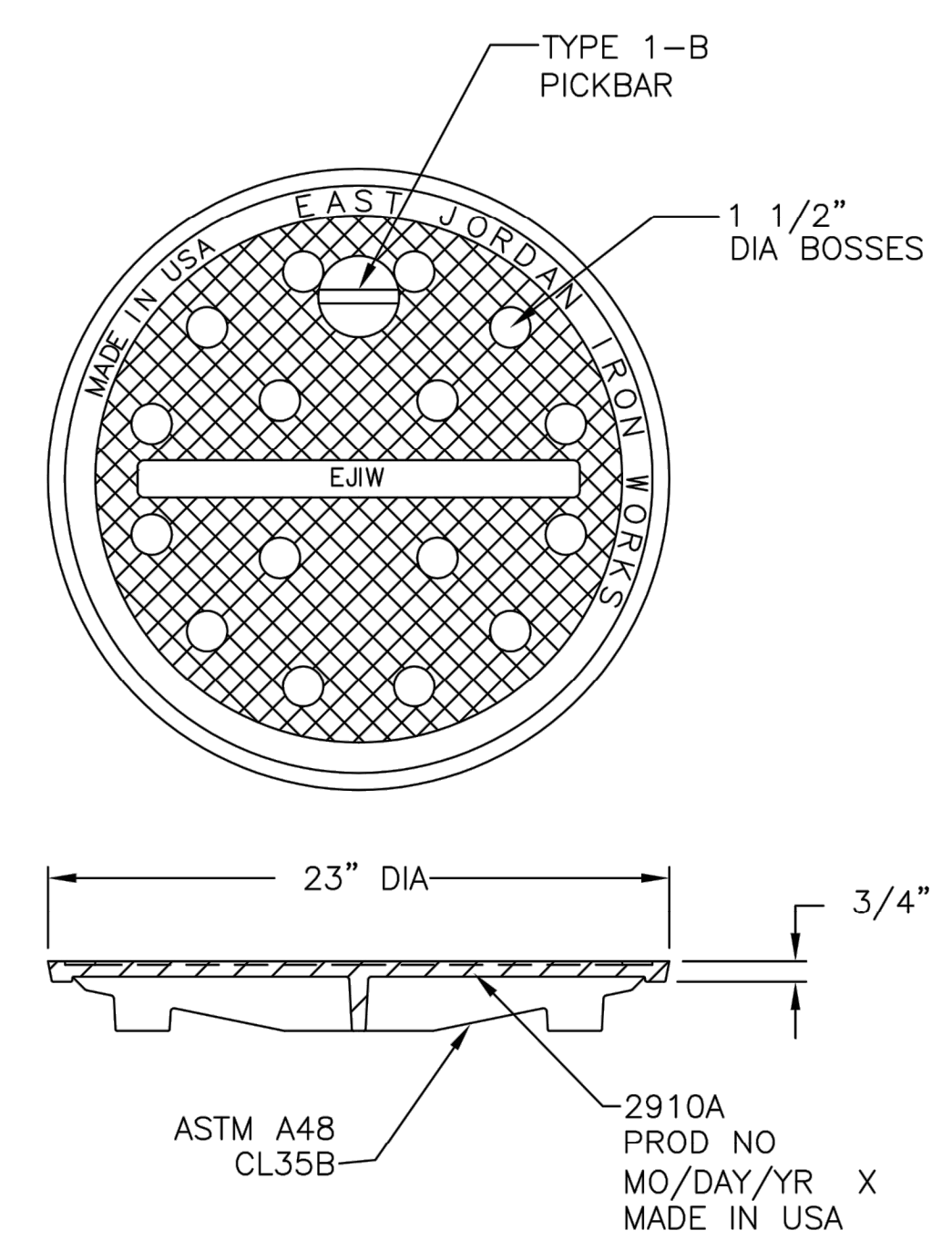
EST. WT.
FRAME: 58 LBS 26kg

OPEN AREA
N/A

MAT'L SPEC.
FRAME - GRAY IRON
ASTM A48 CL35

LOAD RATING
LIGHT DUTY

2910A COVER



PRODUCT NUMBER
00291020

DESIGN FEATURES

MATERIALS
COVER-GRAY IRON
ASTM A48 CL35B

DESIGN LOAD
LIGHT DUTY

COATING
DIPPED

OPEN AREA
N/A

√ DESIGNATES MACHINE SURFACE

Corporate Headquarters
301 Spring Street
PO Box 439
East Jordan, MI
49727-0439
800.874.4100

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DRAWING DETAILS

ORIGINAL DRAWING:	DEW	03/06/03
REVISED BY:	DEW	08/18/10

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PROJECT: 17006
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ATLAS PAGE NO:
PLAN SCALE: (H) 1"=50'
(V) N/A

METER VAULT DETAILS

WL16
OF 00

