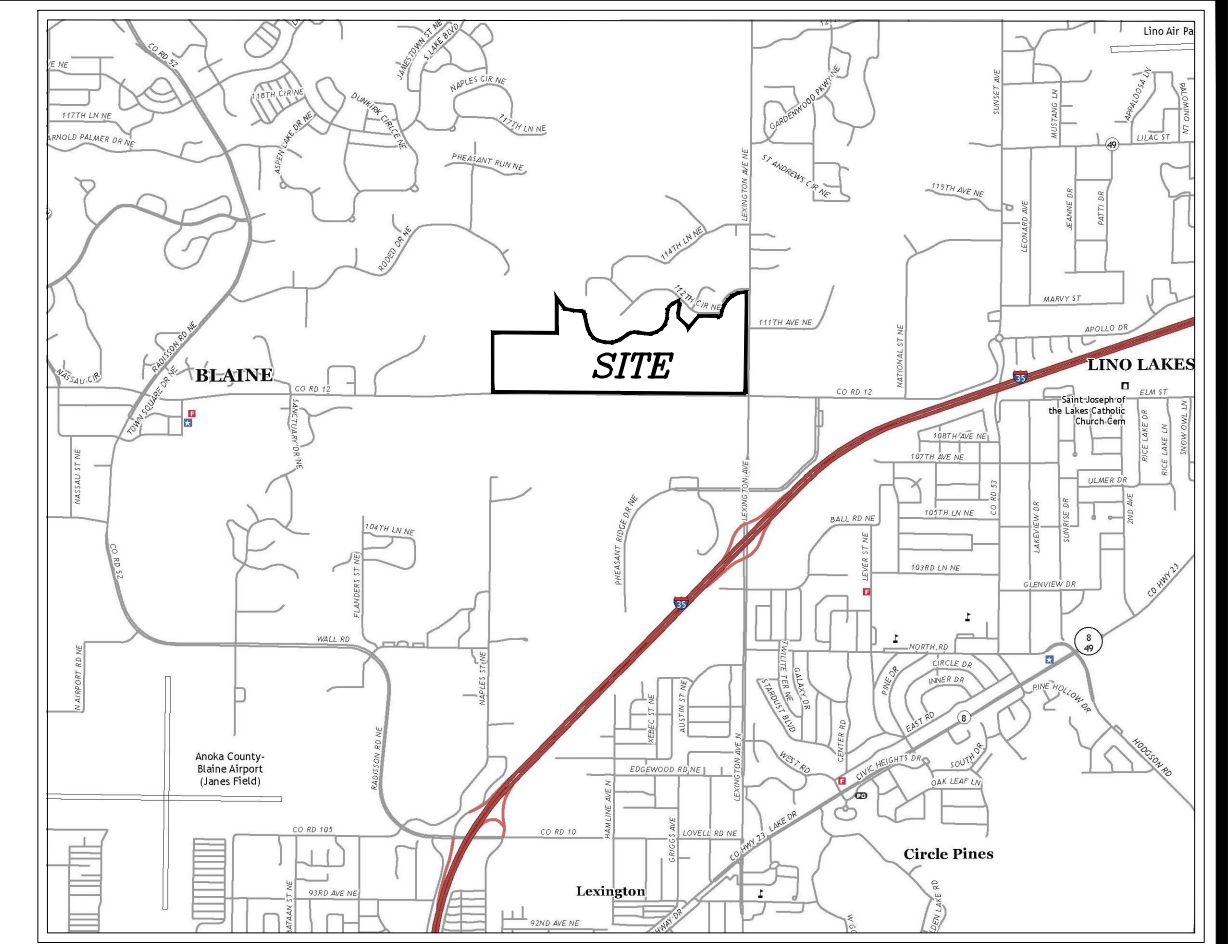


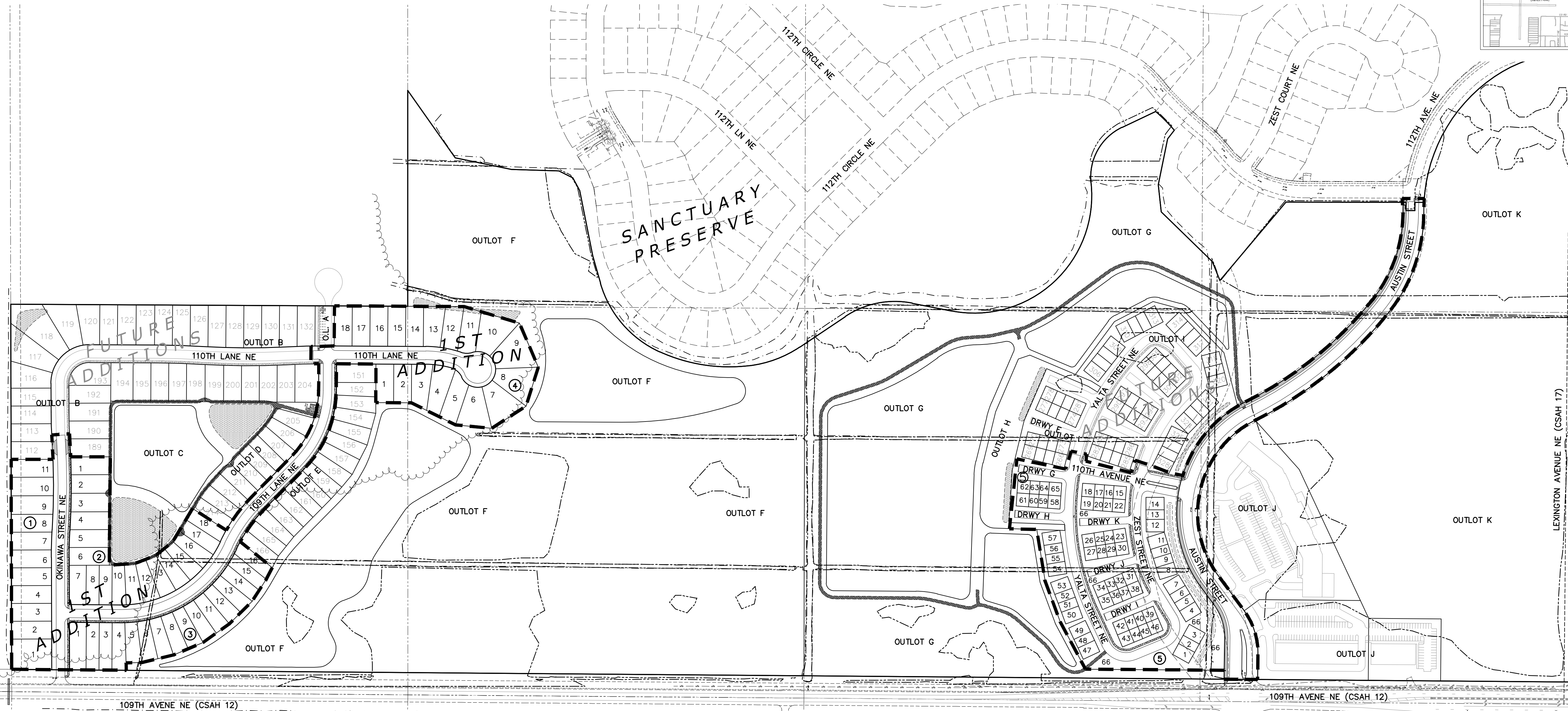
NORTH MEADOWS 1ST ADDITION

SANITARY SEWER, WATER MAIN, STORM SEWER AND STREET CONSTRUCTION PLANS

BLAINE, MINNESOTA

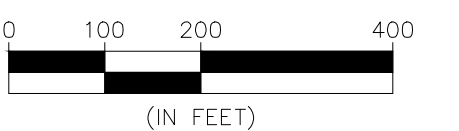
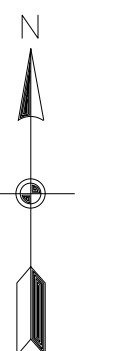


VICINITY MAP



SHEET INDEX

- COVER
- 2-3. UTILITY INDEX
4. SANITARY SEWER SHEET INDEX
- 5-14. SANITARY SEWER & WATERMAIN
15. STORM SEWER SHEET INDEX
- 16-22. STORM SEWER
23. STREET CONSTRUCTION
- OKINAWA STREET NE
24. STREET CONSTRUCTION
- 109TH LANE NE
25. STREET CONSTRUCTION
- 110TH LANE NE
26. STREET CONSTRUCTION
- AUSTIN STREET
27. STREET CONSTRUCTION
- AUSTIN STREET
28. STREET CONSTRUCTION
- 110TH AVE. NE/DWY G/DWY H
- DWY I/DWY J/DWY K
29. STREET CONSTRUCTION
- YALTA STREET NE/ZEST STREET NE
- 30-31. SIGNING, STRIPING & LIGHTING PLAN
- 32-35. DETAILS
- LS1. LIFT STATION
- E1-E3. LIFT STATION ELECTRICAL DETAILS
- T1-T7. AUSTIN STREET TURN LANE PLANS
- T8-T14. OKINAWA STREET TURN LANE PLANS



BENCHMARK

1. ANOKA COUNTY BENCHMARK NUMBER 2095
- ELEVATION = 902.21 FT. (NGVD 29)

NOTE

CONTACT CITY OF BLAINE ENGINEERING DEPARTMENT AT
(763) 785-6172 FOR INSPECTION OF ALL UTILITY WORK.



The subsurface utility information shown on this plan is utility Quality Level D. This quality level was determined according to the guidelines of CI/ASCE 38-02, entitled "Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data."



- environmental
- engineering
- surveying

3890 Pheasant Ridge DR, NE,
Suite 100
Blaine, MN 55449
Phone: (763) 489-7900
Fax: (763) 489-7959
www.carlsonmccain.com

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Print Name: Joseph T. Radach, P.E.

Signature:

Date: 3/27/2020 License #: 45889

Drawn: KRO

Designed: JTR

Date: 3/27/2020

Revisions:

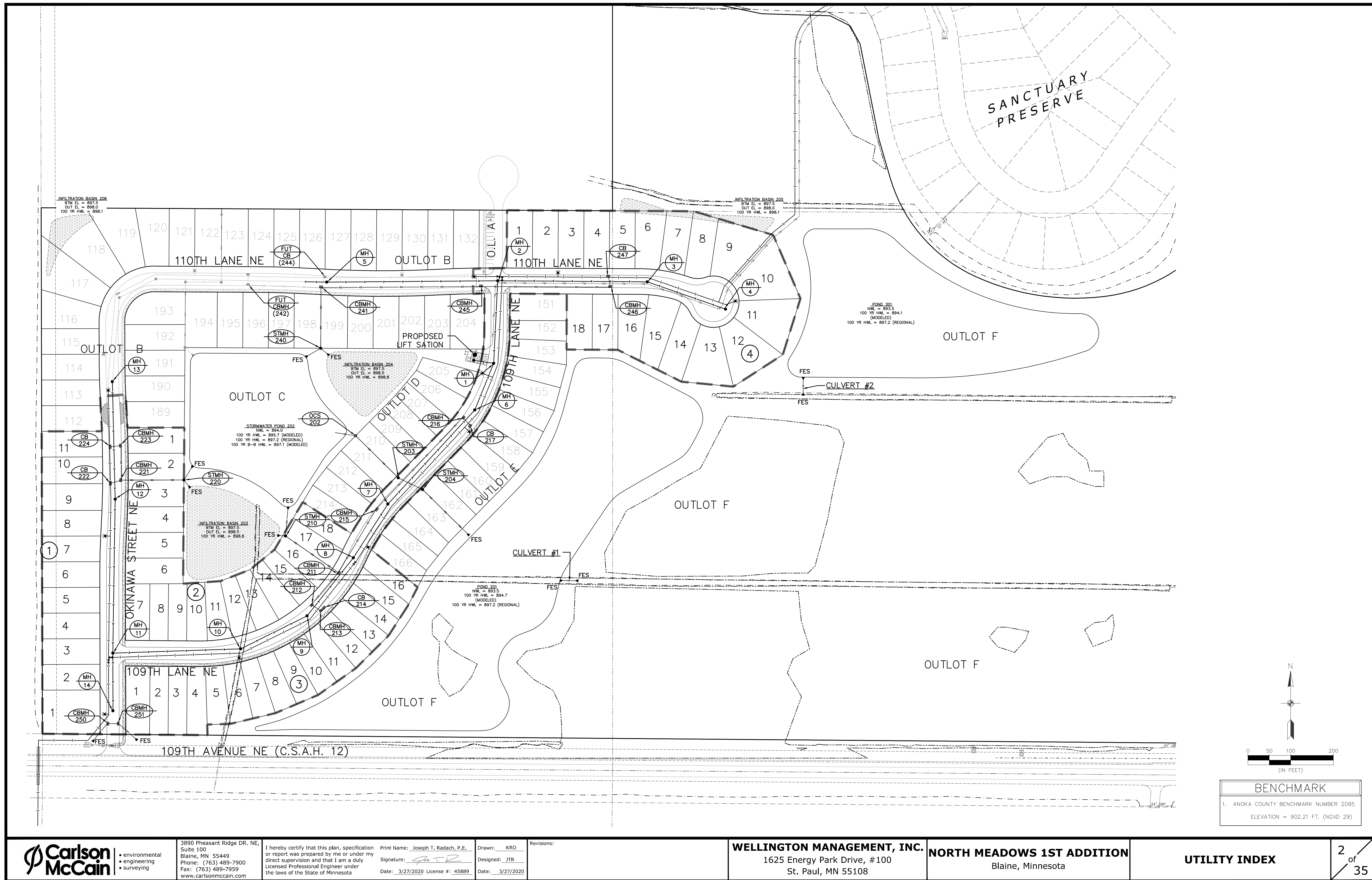
WELLINGTON MANAGEMENT, INC.

1625 Energy Park Drive, #100
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NORTH MEADOWS 1ST ADDITION
Blaine, Minnesota

COVER

1 of 35



- environmental
- engineering
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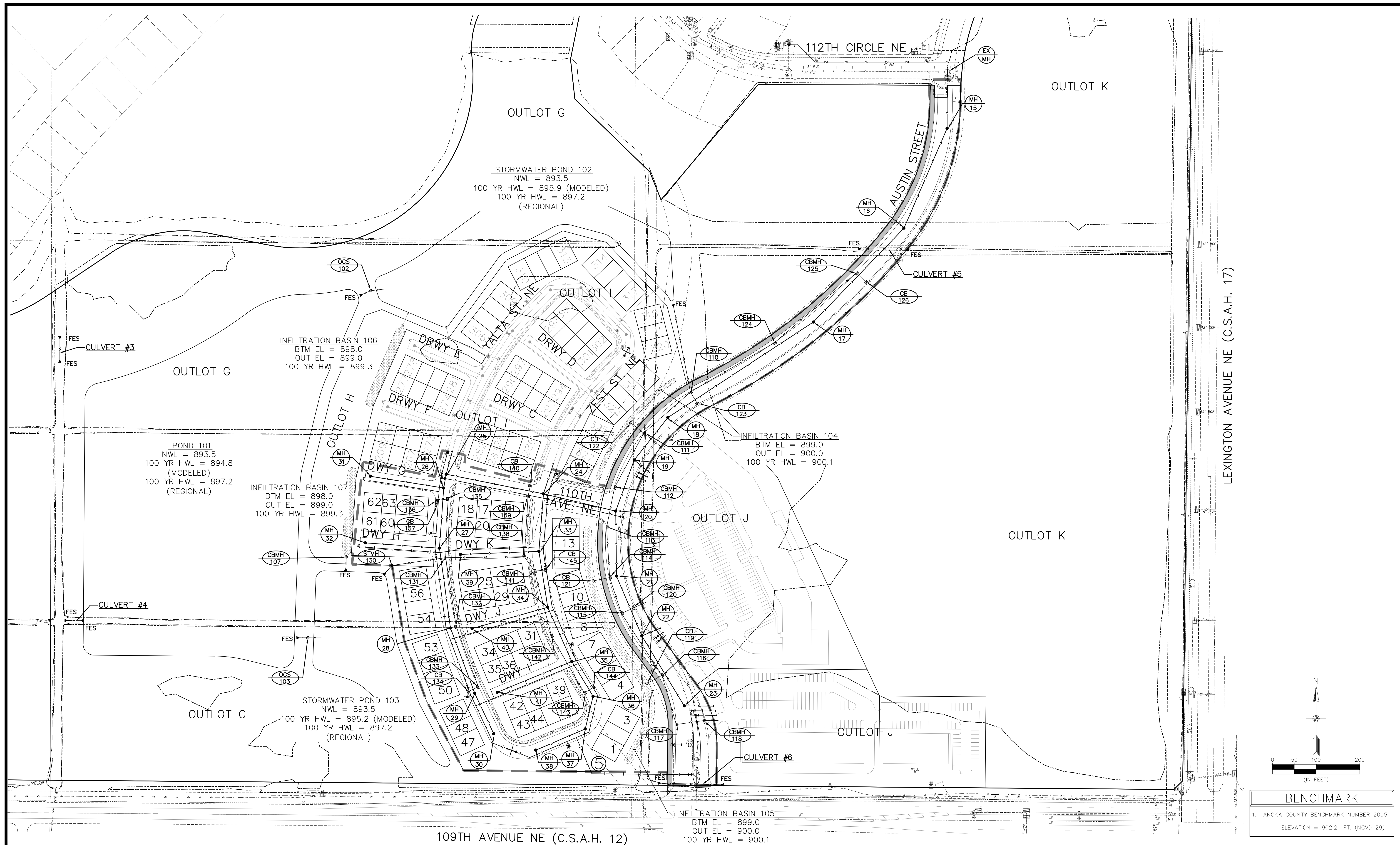
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1625 Energy Park Drive, #100
St. Paul, MN 55108

NORTH MEADOWS 1ST ADDITION
Blaine, Minnesota

UTILITY INDEX



N

0 50 100 200
(IN FEET)

BENCHMARK

1. ANOKA COUNTY BENCHMARK NUMBER 2095
ELEVATION = 902.21 FT. (NGVD 29)

109TH AVENUE NE (C.S.A.H. 12)



- environmental
- engineering
- surveying

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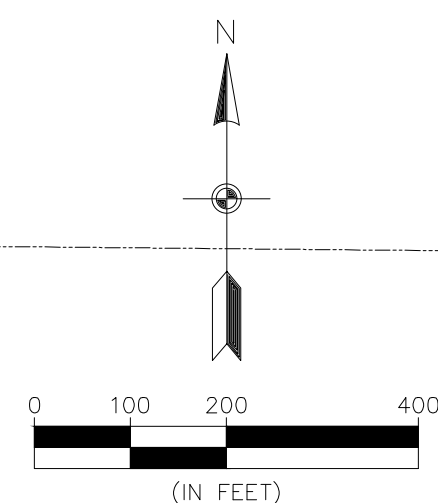
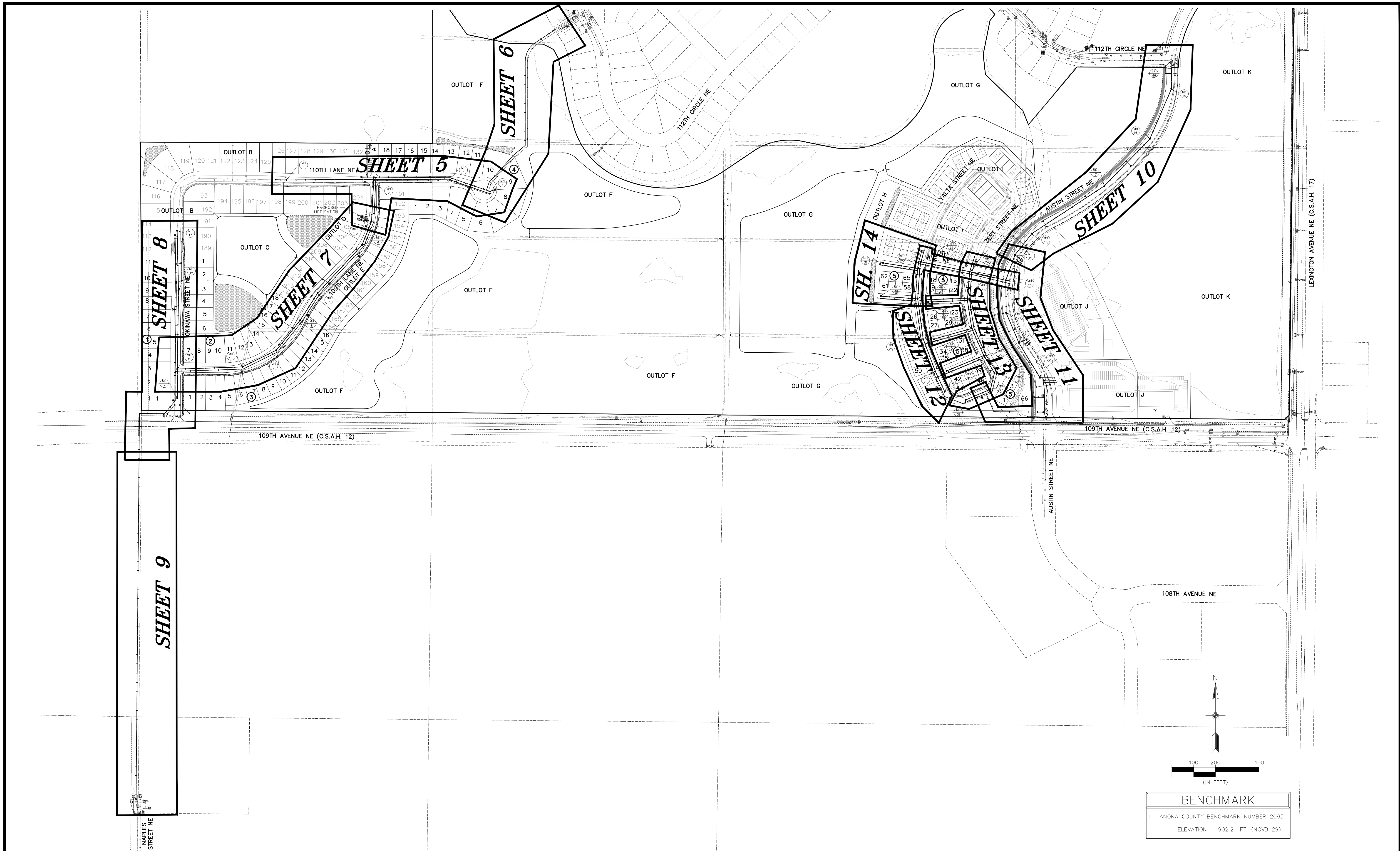
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NORTH MEADOWS 1ST ADDITION
Blaine, Minnesota

UTILITY INDEX

3
of
35



BENCHMARK
1. ANOKA COUNTY BENCHMARK NUMBER 2095
ELEVATION = 902.21 FT. (NGVD 29)



- environmental
- engineering
- surveying

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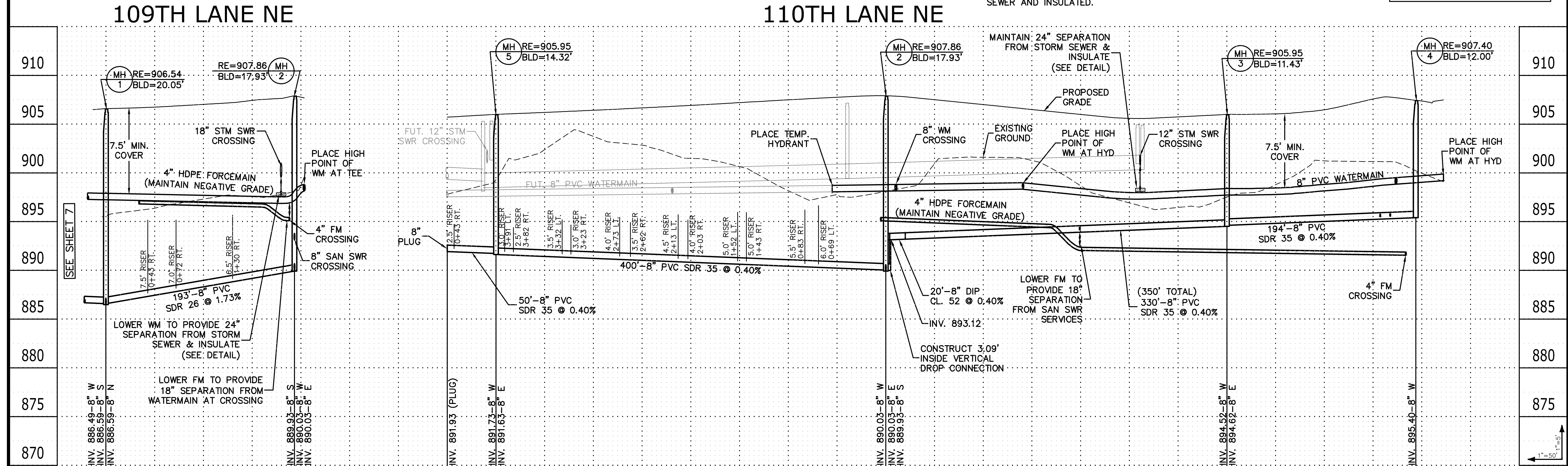
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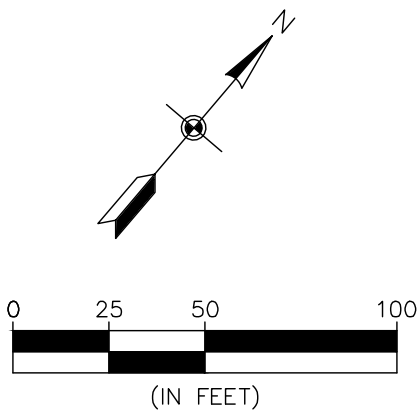
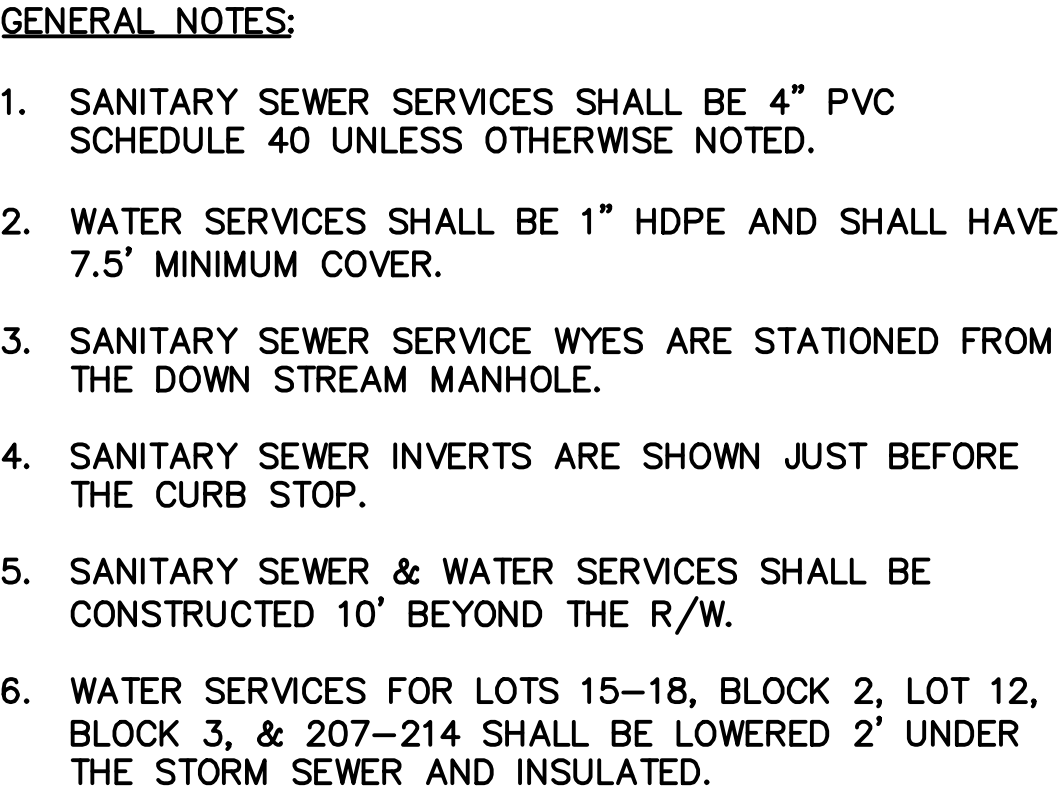
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St. Paul, MN 55108

NORTH MEADOWS 1ST ADDITION
Blaine, Minnesota

SANITARY SHEET INDEX

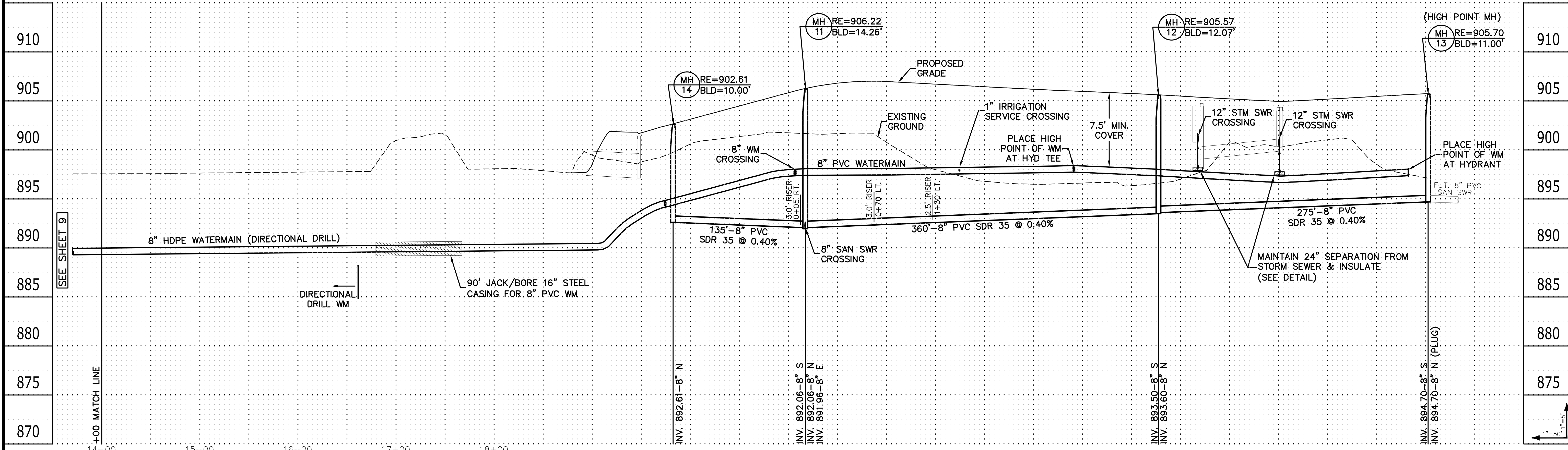
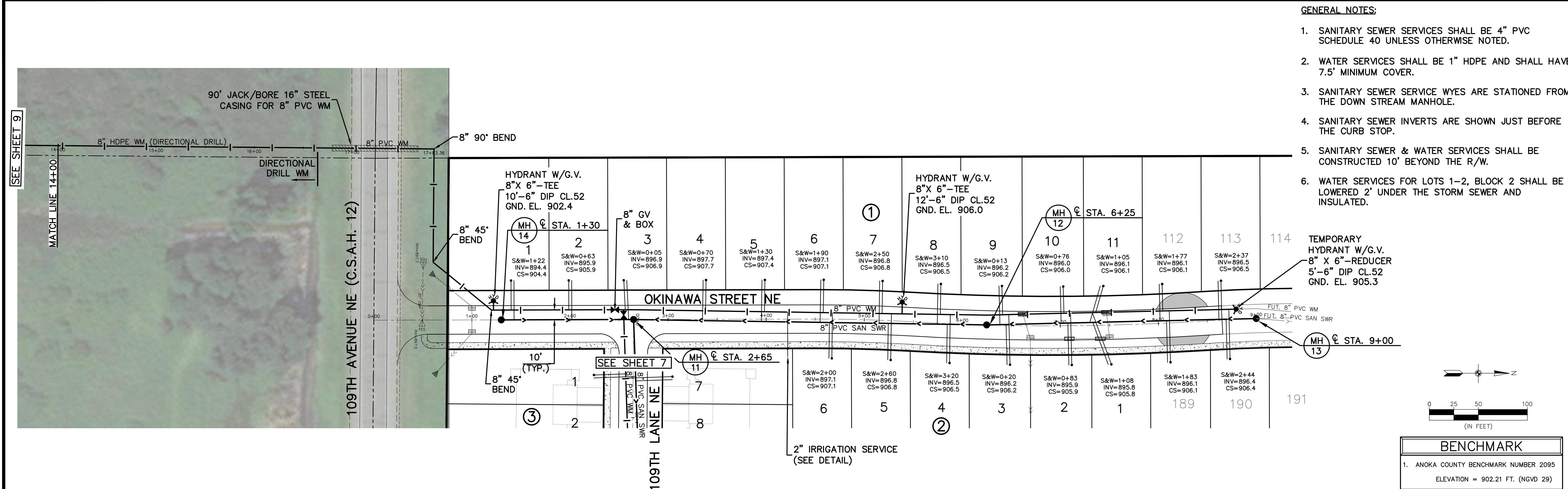
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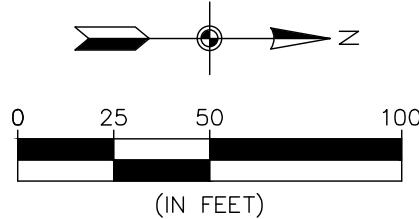




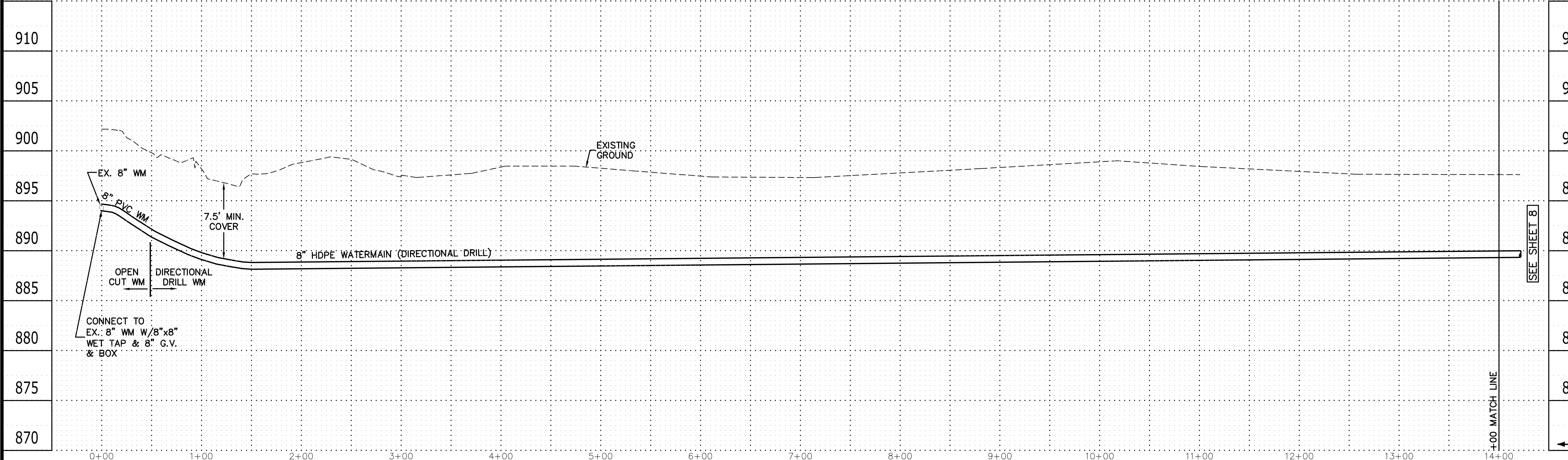
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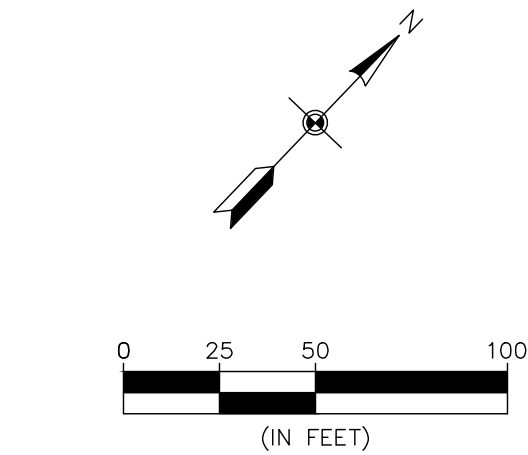
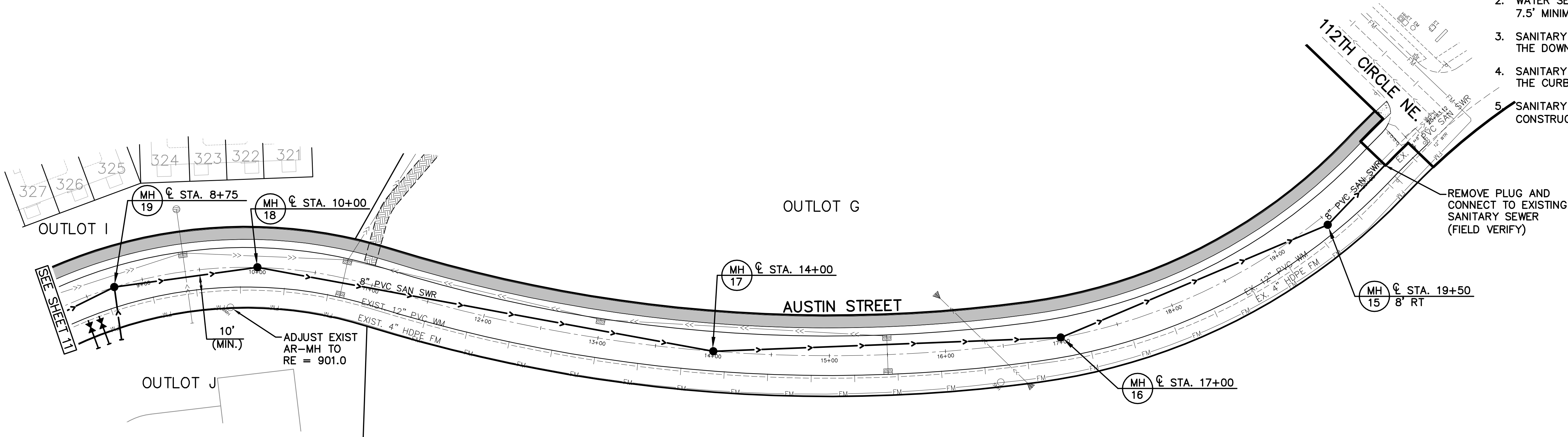


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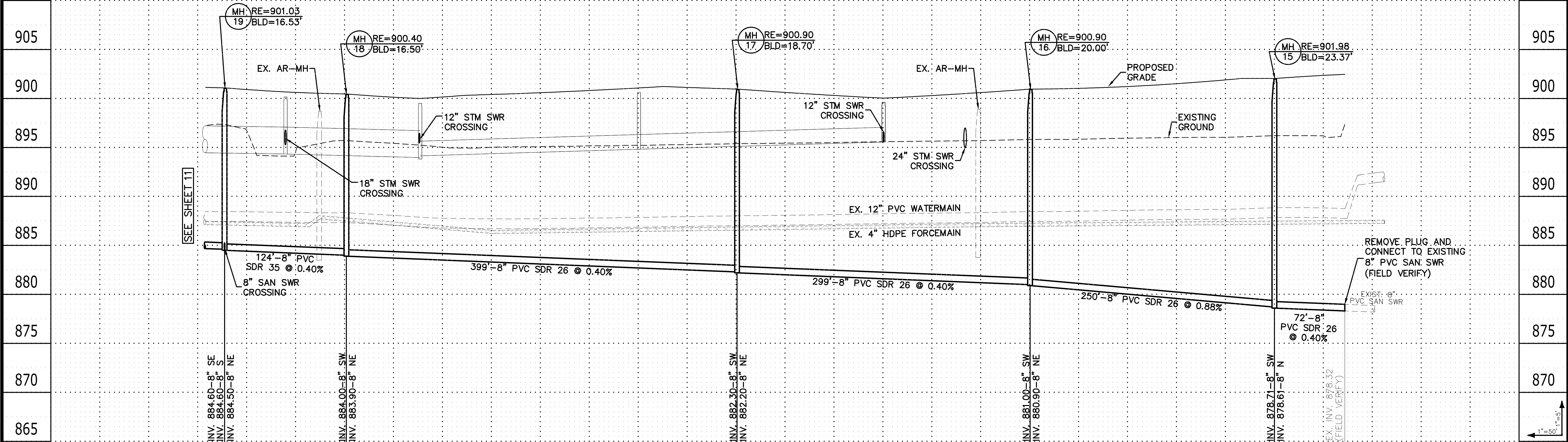
GENERAL NOTES:

1. SANITARY SEWER SERVICES SHALL BE 4" PVC SCHEDULE 40 UNLESS OTHERWISE NOTED.
2. WATER SERVICES SHALL BE 1" HDPE AND SHALL HAVE 7.5' MINIMUM COVER.
3. SANITARY SEWER SERVICE WYES ARE STATIONED FROM THE DOWN STREAM MANHOLE.
4. SANITARY SEWER INVERTS ARE SHOWN JUST BEFORE THE CURB STOP.
5. SANITARY SEWER & WATER SERVICES SHALL BE CONSTRUCTED 10' BEYOND THE R/W.



BENCHMARK
1. ANOKA COUNTY BENCHMARK NUMBER 2095
ELEVATION = 902.21 FT. (NGVD 29)

AUSTIN STREET



- environmental
- engineering
- surveying

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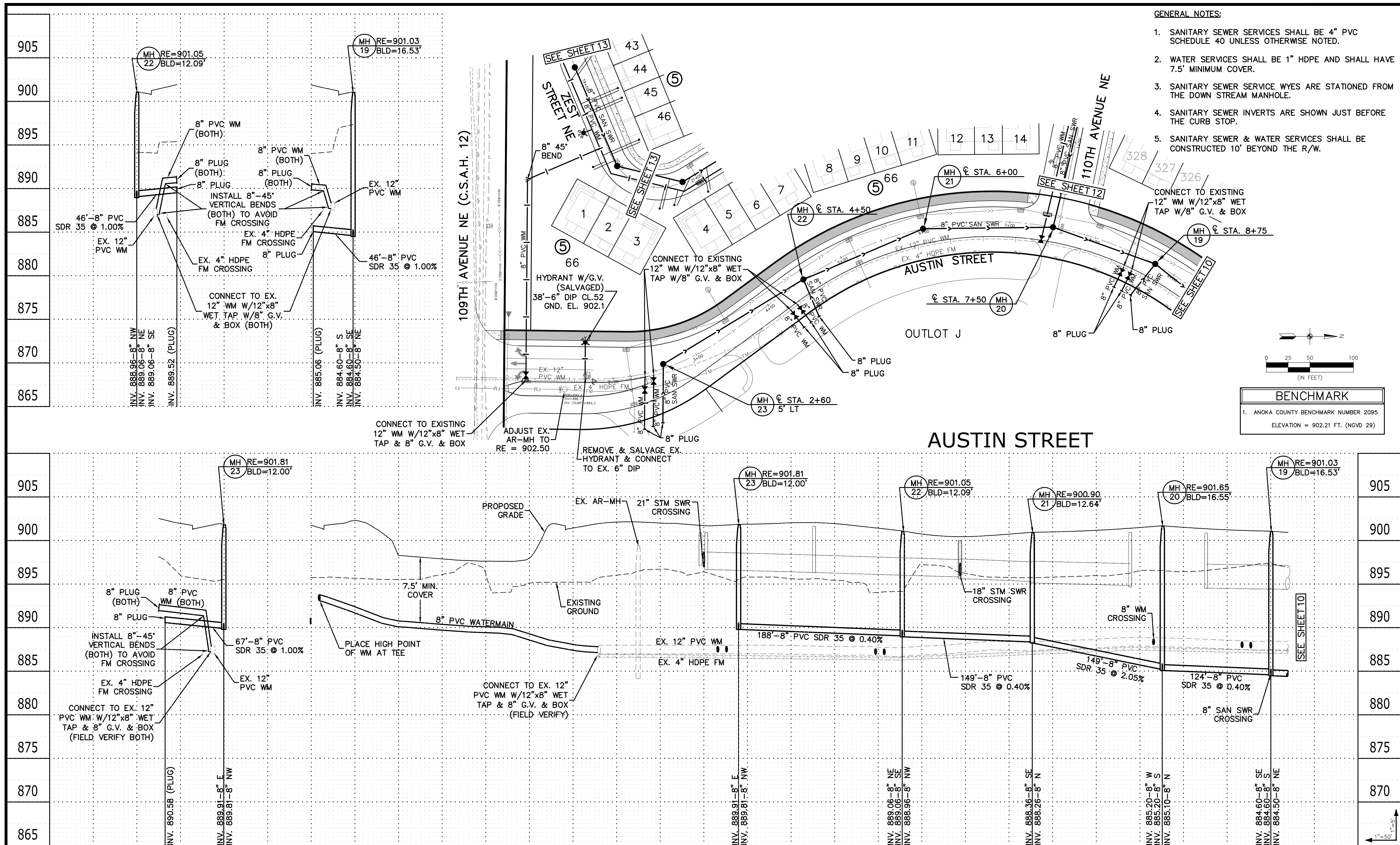
Drawn: KRO
Designed: JTR
Date: 3/27/2020

Revisions:

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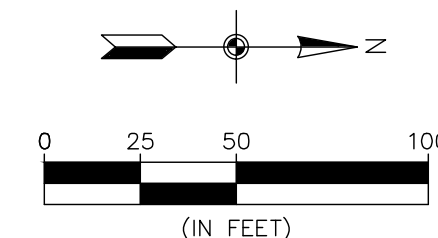
NORTH MEADOWS 1ST ADDITION
Blaine, Minnesota

SANITARY SEWER & WATER MAIN



GENERAL NOTES:

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BENCHMARK

1. ANOKA COUNTY BENCHMARK NUMBER 2095
ELEVATION = 902.21 FT. (NGVD 29)



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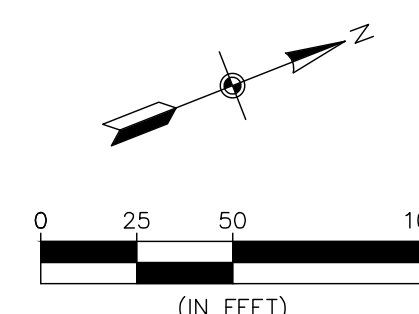
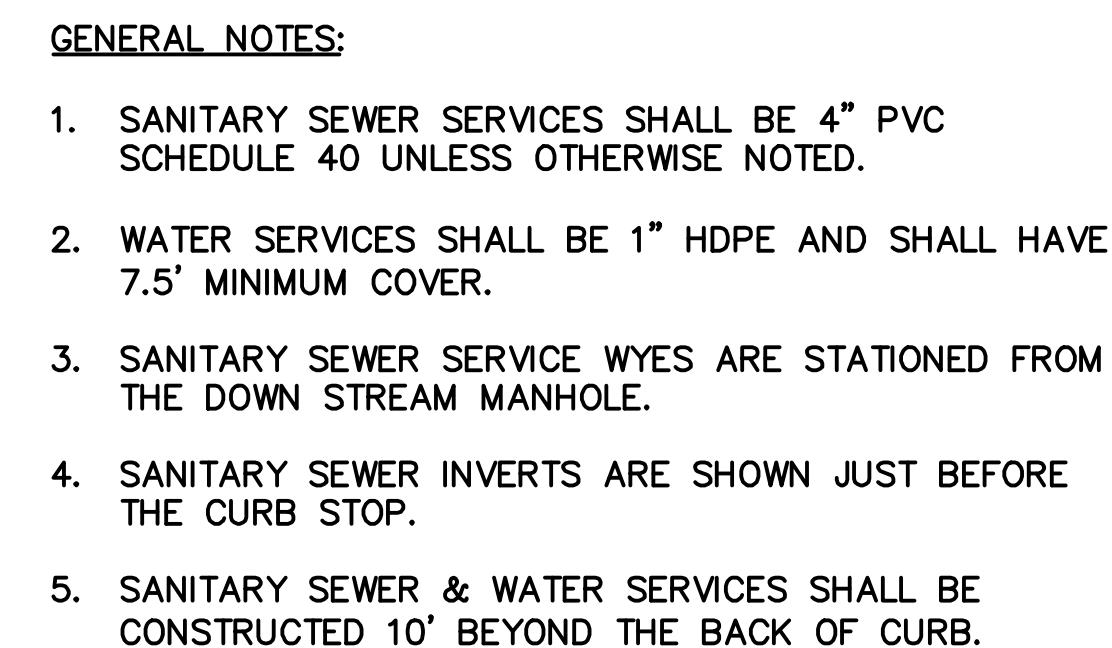
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NORTH MEADOWS 1ST ADDITION
Blaine, Minnesota

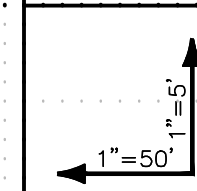
**SANITARY SEWER &
WATER MAIN**

11
of
35



BENCHMARK

1. ANOKA COUNTY BENCHMARK NUMBER 2095
ELEVATION = 902.21 FT. (NGVD 29)



DWRY K

905
900
895
890
885
880
875
870
865

SEE SHEET 14

15" STM SWR CROSSING
7.5' MIN. COVER
8" PVC WATERMAIN
180'-8" PVC SDR 35 @ 0.80%
MAINTAIN 24" SEPARATION FROM STORM SEWER & INSULATE (SEE DETAIL)
8" SAN SWR CROSSING
PLACE HIGH POINT OF WM AT TEE

MH RE=902.04
39 BLD=12.41'
MH RE=900.89
33 BLD=12.80'

INV. 889.63-8" E
INV. 888.19-8" S
INV. 888.09-8" N

DWRY I

905
900
895
890
885
880
875
870
865

15" STM SWR CROSSING
8" PVC WATERMAIN
185'-8" PVC SDR 35 @ 0.40%
MAINTAIN 24" SEPARATION FROM STORM SEWER & INSULATE (SEE DETAIL)
8" SAN SWR CROSSING
PLACE HIGH POINT OF WM AT TEE

MH RE=902.26
41 BLD=12.07'
MH RE=901.06
35 BLD=11.71'

INV. 890.19-8" E
INV. 889.45-8" SE
INV. 889.45-8" W
INV. 889.35-8" NW

DWRY J

905
900
895
890
885
880
875
870
865

15" STM SWR CROSSING
18" STM SWR CROSSING
8" PVC WATERMAIN
180'-8" PVC SDR 35 @ 0.50%
MAINTAIN 24" SEPARATION FROM STORM SEWER & INSULATE (SEE DETAIL)
8" SAN SWR CROSSING
PLACE HIGH POINT OF WM AT TEE

MH RE=902.25
40 BLD=12.54'
MH RE=901.10
34 BLD=12.39'

INV. 889.71-8" E
INV. 888.81-8" SE
INV. 888.81-8" W
INV. 888.71-8" N

ZEST STREET NE

905
900
895
890
885
880
875
870
865

PROPOSED GRADE
EXISTING GROUND
PLACE HIGH POINT OF WM AT HYD TEE
123'-8" PVC SDR 35 @ 0.40%
77'-8" PVC SDR 35 @ 0.40%
93'-8" PVC SDR 35 @ 0.40%
136'-8" PVC SDR 35 @ 0.40%
130'-8" PVC SDR 35 @ 0.40%
132'-8" PVC SDR 35 @ 1.60%
73'-8" PVC SDR 35 @ 1.98%
MAINTAIN 24" SEPARATION FROM STORM SEWER & INSULATE (SEE DETAIL)
12" STM SWR CROSSING
8" WM CROSSING
8" PVC WM
8" WM CROSSING
8" SAN SWR CROSSING
8" PLUG

MH RE=901.55
37 BLD=11.32'
MH RE=900.70
36 BLD=10.88'
MH RE=901.06
35 BLD=11.71'
MH RE=901.10
34 BLD=12.39'
MH RE=900.89
33 BLD=12.80'

INV. 890.82-8" NE
INV. 890.33-8" SW
INV. 890.23-8" N
INV. 889.92-8" S
INV. 889.82-8" NW
INV. 889.45-8" W
INV. 889.45-8" SE
INV. 889.35-8" NW
INV. 888.81-8" W
INV. 888.81-8" SE
INV. 888.71-8" N
INV. 888.19-8" W
INV. 888.19-8" S
INV. 888.09-8" N
INV. 887.42 (PLUG)

GENERAL NOTES:

- SANITARY SEWER SERVICES SHALL BE 4" PVC SCHEDULE 40 UNLESS OTHERWISE NOTED.
- WATER SERVICES SHALL BE 1" HDPE AND SHALL HAVE 7.5' MINIMUM COVER.
- SANITARY SEWER SERVICE WYES ARE STATIONED FROM THE DOWN STREAM MANHOLE.
- SANITARY SEWER INVERTS ARE SHOWN JUST BEFORE THE CURB STOP.
- SANITARY SEWER & WATER SERVICES SHALL BE CONSTRUCTED 10' BEYOND THE BACK OF CURB.
- WATER SERVICE FOR LOTS 23-26, BLOCK 5 SHALL BE LOWERED 2' UNDER THE STORM SEWER AND INSULATED.

BENCHMARK

1. ANOKA COUNTY BENCHMARK NUMBER 2095
ELEVATION = 902.21 FT. (NGVD 29)

Carlson McCain

3890 Pheasant Ridge DR. NE, Suite 100
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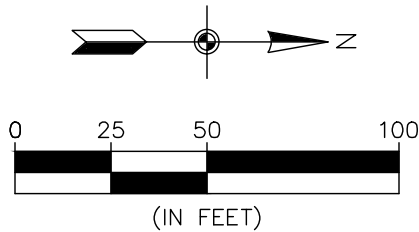
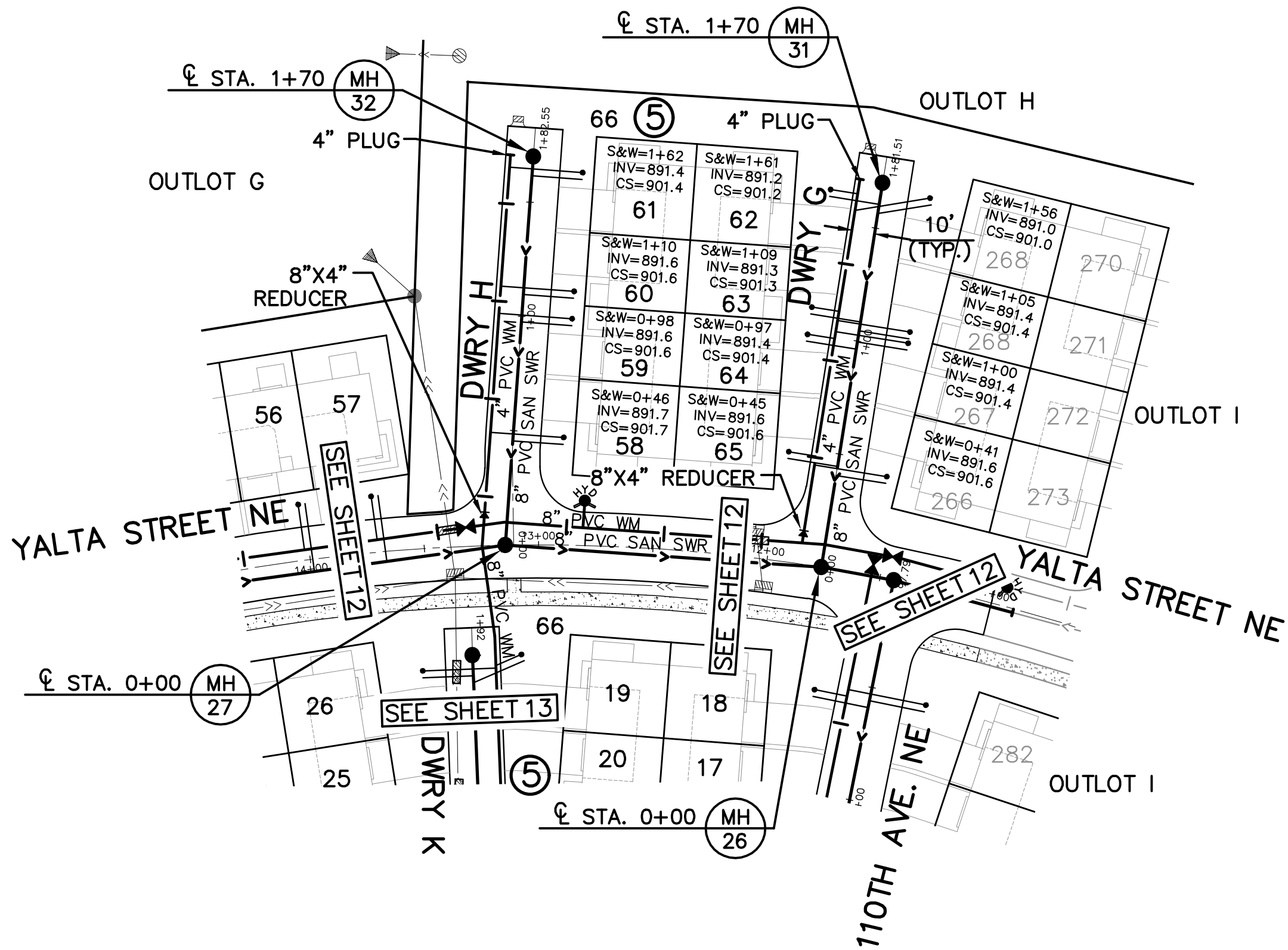
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NORTH MEADOWS 1ST ADDITION
Blaine, Minnesota

SANITARY SEWER & WATER MAIN

13 of 35

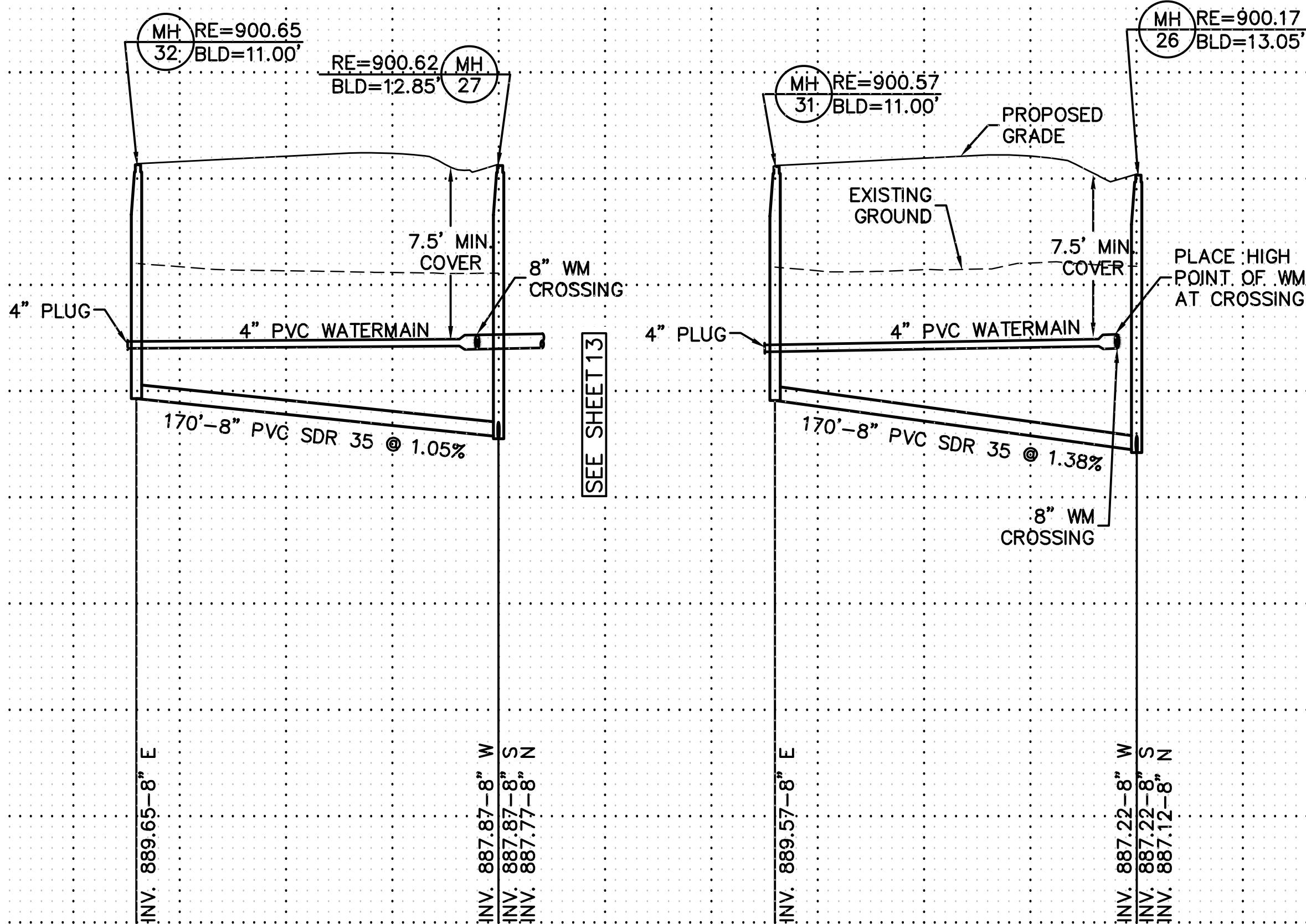
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BENCHMARK
1. ANOKA COUNTY BENCHMARK NUMBER 2095
ELEVATION = 902.21 FT. (NGVD 29)

DWRY H

DWRY G



905

900

895

890

885

880

875

870

865

905

900

895

890

885

880

875

870



- environmental
- engineering
- surveying

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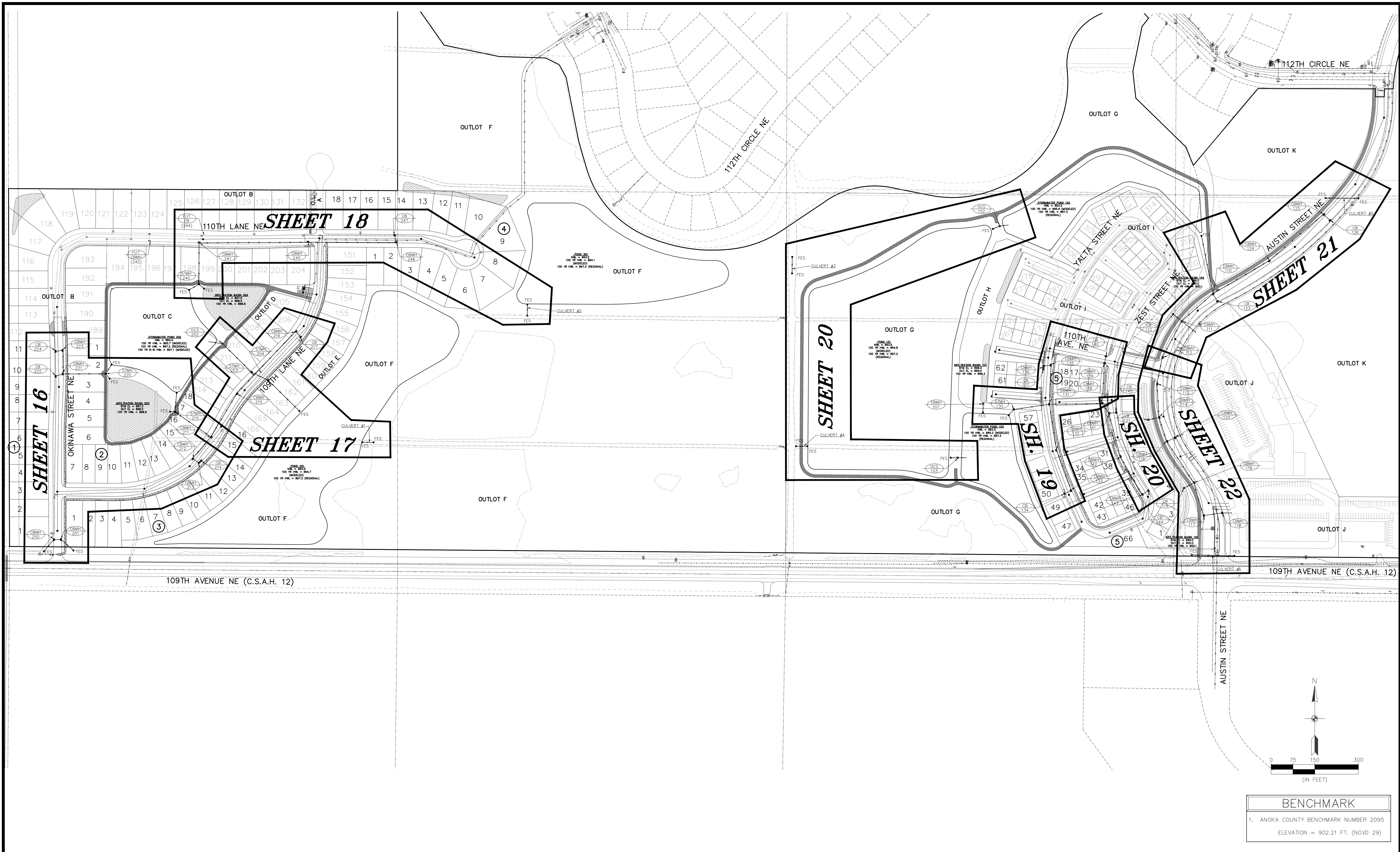
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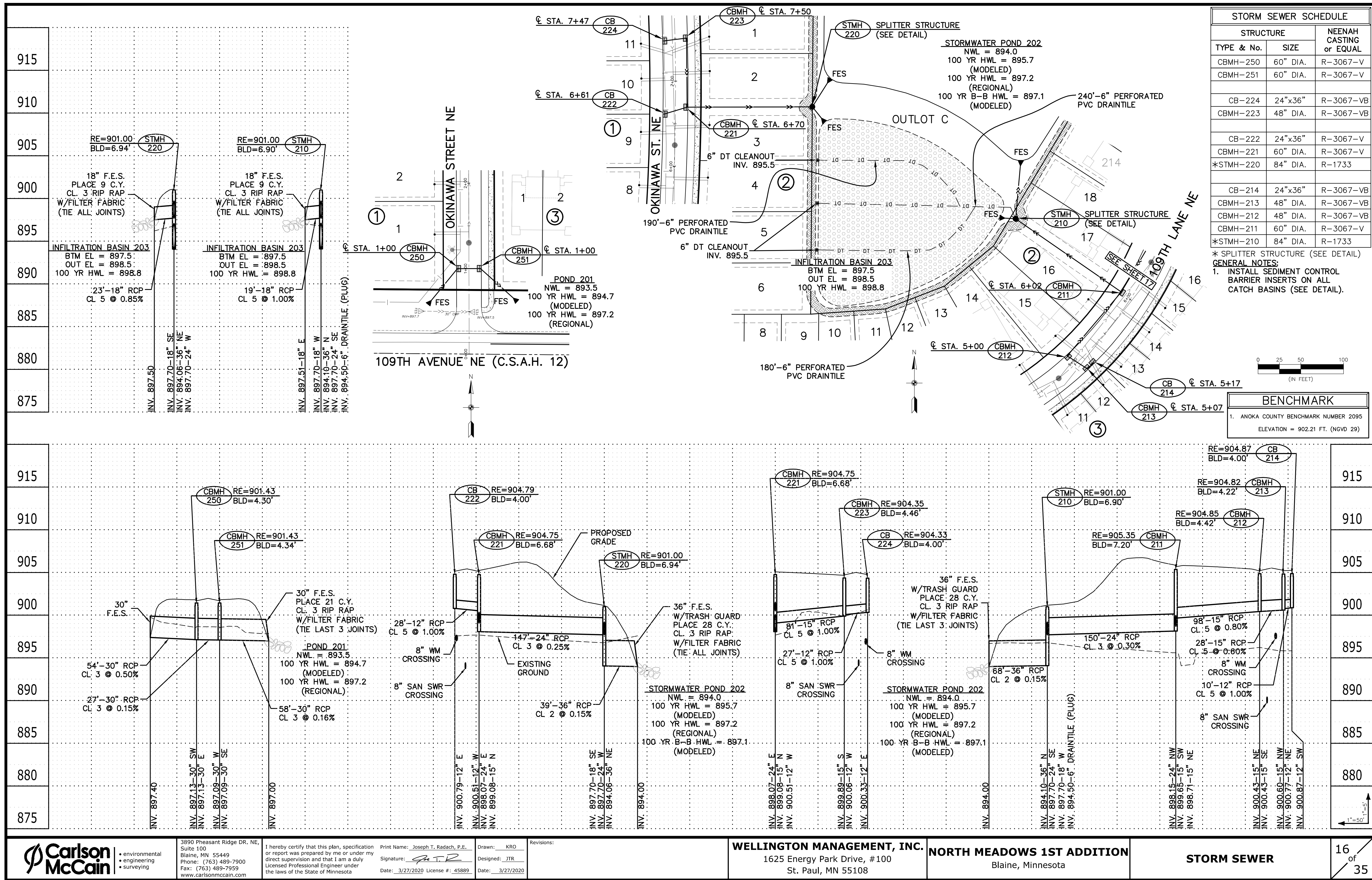
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SANITARY SEWER &
WATER MAIN

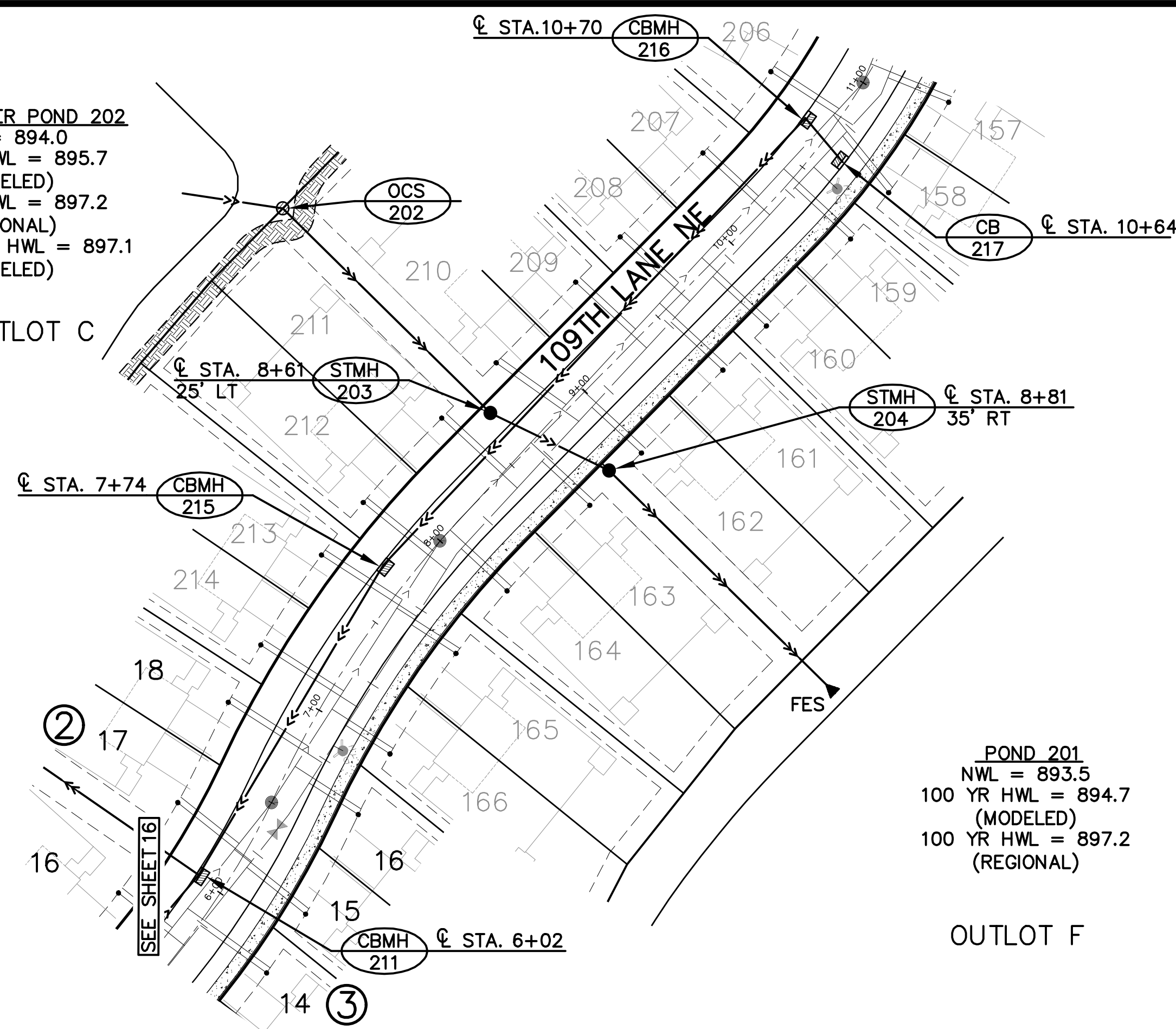
14
of
35





STORMWATER POND 202
NWL = 894.0
100 YR HWL = 895.7
(MODELED)
100 YR HWL = 897.2
(REGIONAL)
100 YR B-B HWL = 897.1
(MODELED)

OUTLOT C

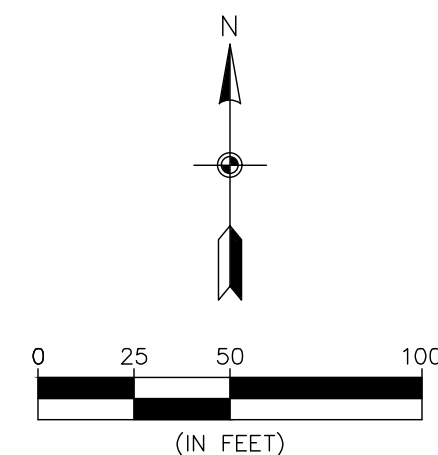


POND 201
NWL = 893.5
100 YR HWL = 894.7
(MODELED)
100 YR HWL = 897.2
(REGIONAL)

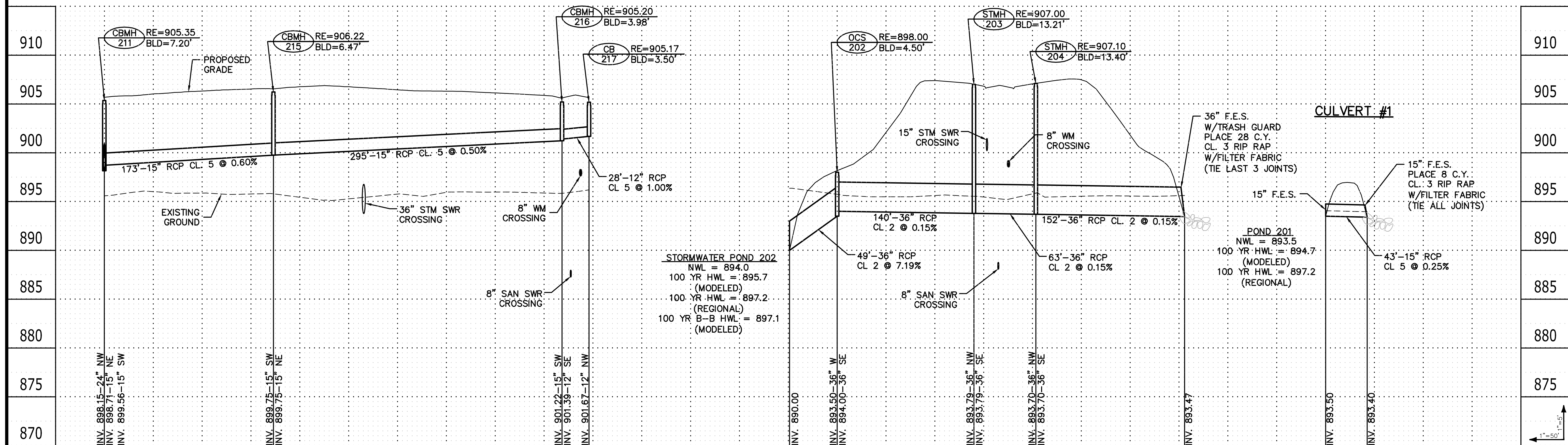
OUTLOT F

STORM SEWER SCHEDULE		
STRUCTURE		NEENAH CASTING or EQUAL
TYPE & No.	SIZE	
CB-217	24"x36"	R-3067-VB
CBMH-216	48" DIA.	R-3067-VB
CBMH-215	48" DIA.	R-3067-V
OCS-202		SEE DETAIL
STMH-203	72" DIA.	R-1733
STMH-204	72" DIA.	R-1733

GENERAL NOTES:
1. INSTALL SEDIMENT CONTROL BARRIER INSERTS ON ALL CATCH BASINS (SEE DETAIL).



BENCHMARK
1. ANOKA COUNTY BENCHMARK NUMBER 2095 ELEVATION = 902.21 FT. (NGVD 29)



- environmental
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- surveying

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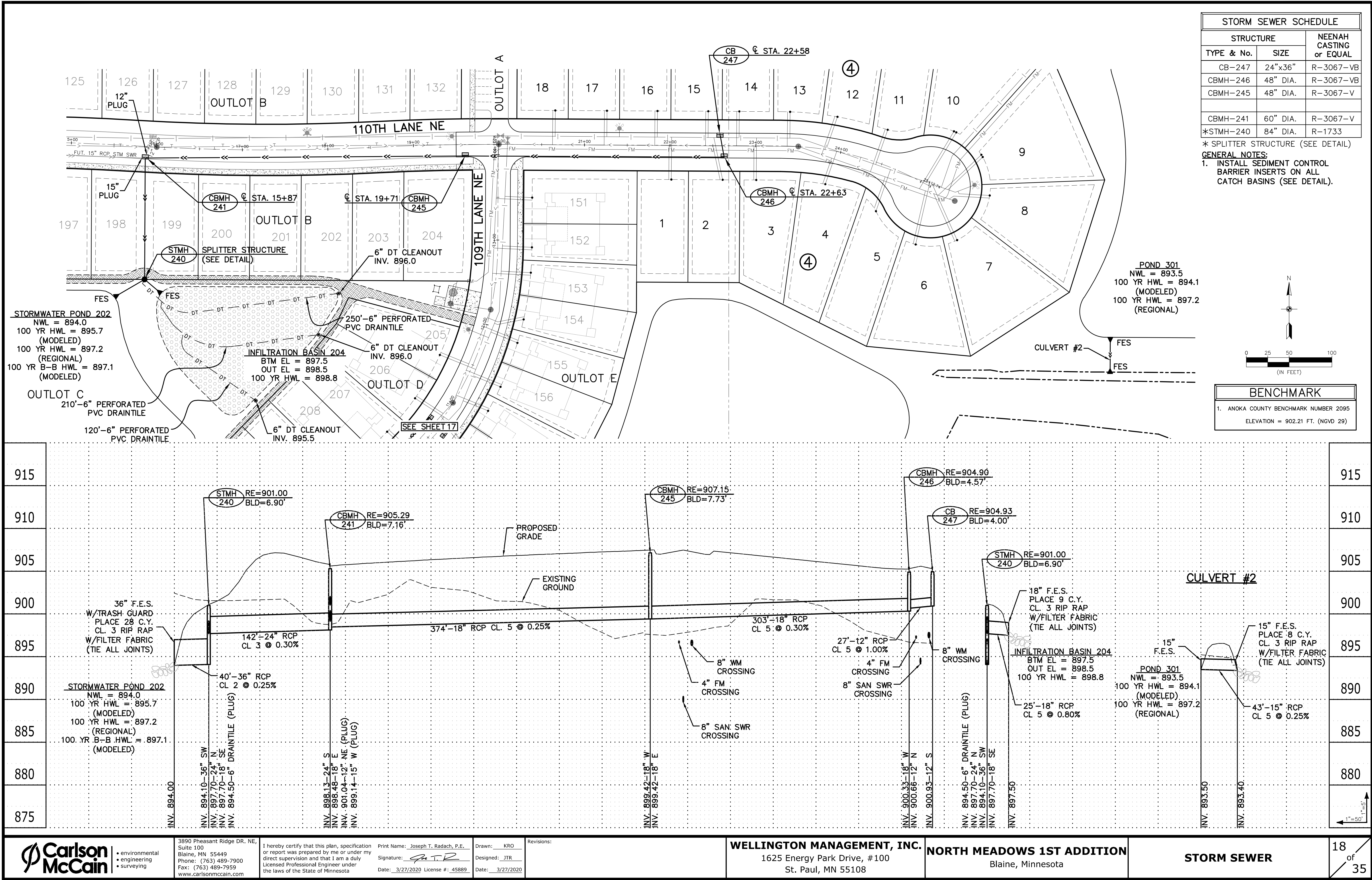
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Blaine, Minnesota

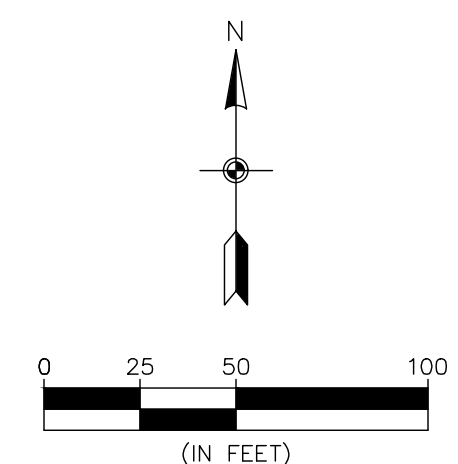
STORM SEWER

17
of
35

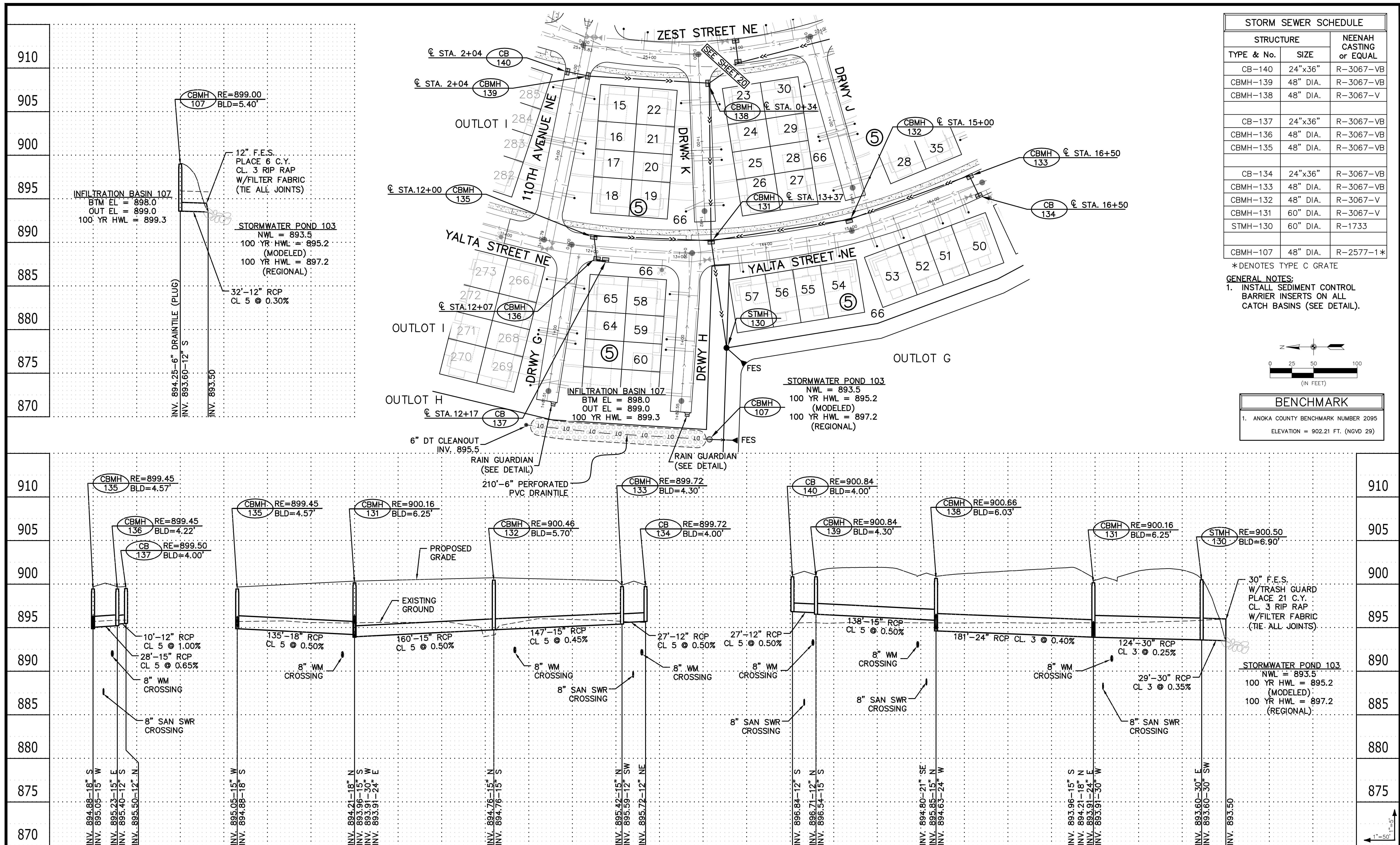


STORM SEWER SCHEDULE		
STRUCTURE		NEENAH CASTING or EQUAL
TYPE & No.	SIZE	
CB-247	24"x36"	R-3067-VB
CBMH-246	48" DIA.	R-3067-VB
CBMH-245	48" DIA.	R-3067-V
CBMH-241	60" DIA.	R-3067-V
*STMH-240	84" DIA.	R-1733

* SPLITTER STRUCTURE (SEE DETAIL)
GENERAL NOTES:
1. INSTALL SEDIMENT CONTROL BARRIER INSERTS ON ALL CATCH BASINS (SEE DETAIL).



BENCHMARK
1. ANOKA COUNTY BENCHMARK NUMBER 2095 ELEVATION = 902.21 FT. (NGVD 29)

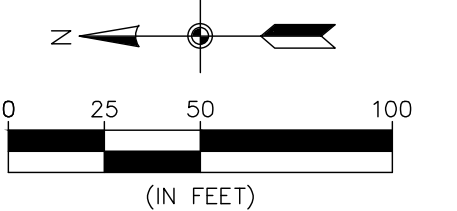


STORM SEWER SCHEDULE		
STRUCTURE		NEENAH CASTING or EQUAL
TYPE & No.	SIZE	
CB-140	24"x36"	R-3067-VB
CBMH-139	48" DIA.	R-3067-VB
CBMH-138	48" DIA.	R-3067-V
CB-137	24"x36"	R-3067-VB
CBMH-136	48" DIA.	R-3067-VB
CBMH-135	48" DIA.	R-3067-VB
CB-134	24"x36"	R-3067-VB
CBMH-133	48" DIA.	R-3067-VB
CBMH-132	48" DIA.	R-3067-V
CBMH-131	60" DIA.	R-3067-V
STMH-130	60" DIA.	R-1733
CBMH-107	48" DIA.	R-2577-1*

*DENOTES TYPE C GRATE

GENERAL NOTES:

- 1. INSTALL SEDIMENT CONTROL BARRIER INSERTS ON ALL CATCH BASINS (SEE DETAIL).



BENCHMARK

1. ANOKA COUNTY BENCHMARK NUMBER 2095
ELEVATION = 902.21 FT. (NGVD 29)

- environmental
- engineering
- surveying

3890 Pheasant Ridge DR
Suite 100
Blaine, MN 55449
Phone: (763) 489-7900
Fax: (763) 489-7959
www.carlsonmccain.com

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota

Print Name: Joseph T. Radach, P.E.

Signature: B. E. B.

Signature: Goe L. K

Drawn: KRO

Designed: JTB

Designed. JTR

Revisions:

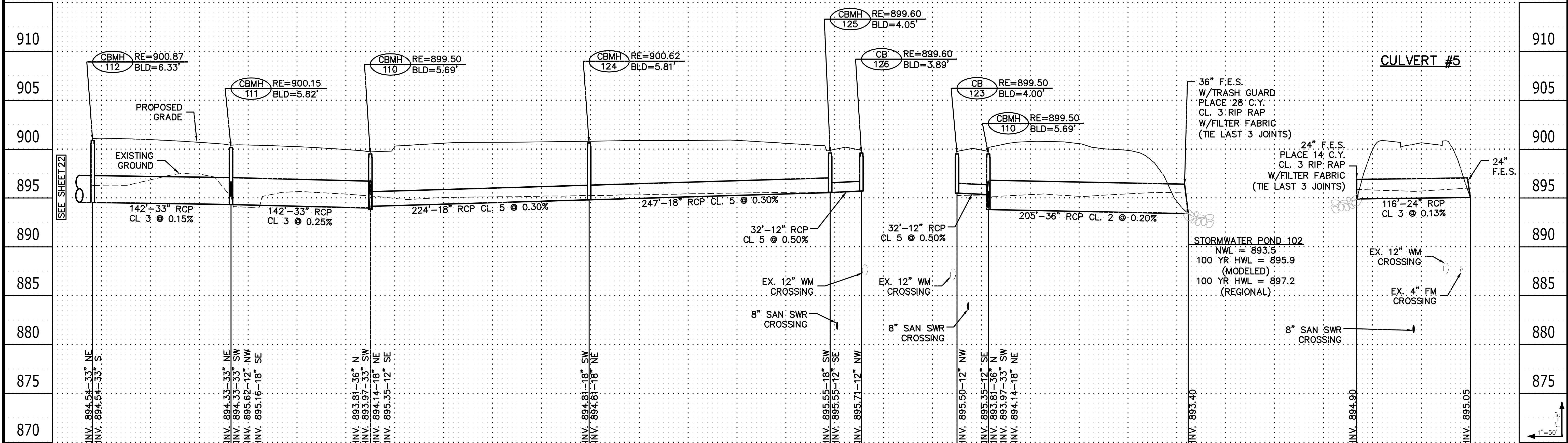
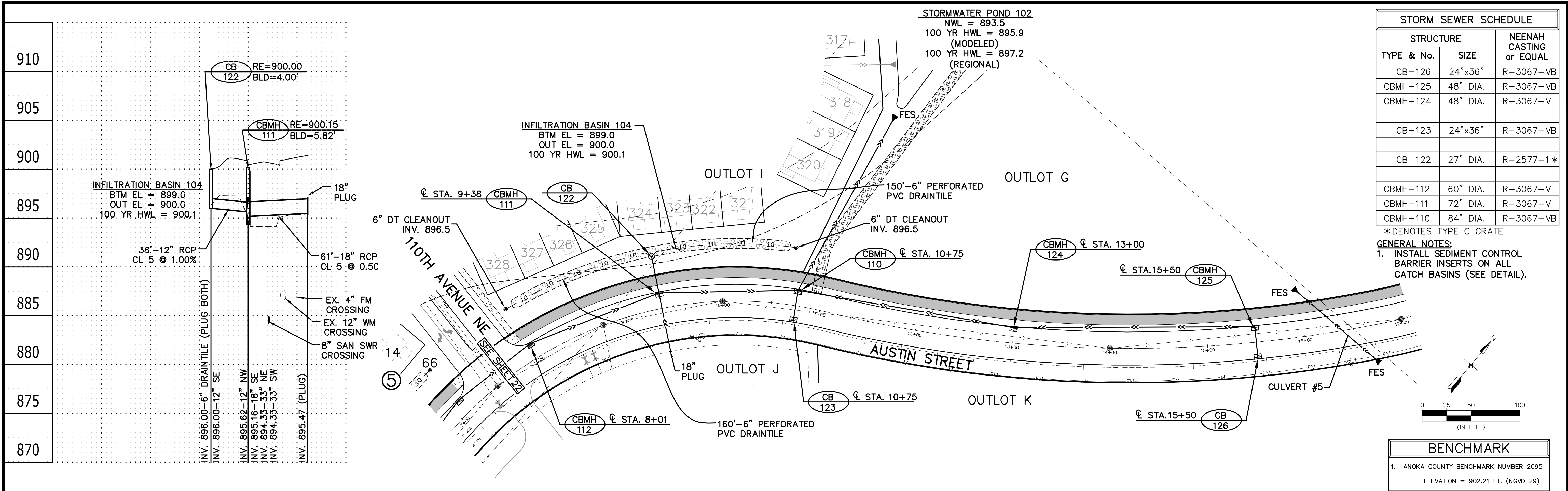
WELLINGTON MANAGEMENT, INC.

1625 Energy Park Drive, #100
St. Paul, MN 55108

[illegible]

MEADOWS 1ST
Blaine, Minnesota

STORM SEWER



- environmental
- engineering
- surveying

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Signature: *J. T. Radach*

Date: 3/27/2020 License #: 45889

Drawn: KRO

Designed: JTR

Date: 3/27/2020

Revisions:

WELLINGTON MANAGEMENT, INC.

1625 Energy Park Drive, #100
St. Paul, MN 55108

NORTH MEADOWS 1ST ADDITION

Blaine, Minnesota

STORM SEWER

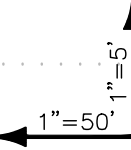
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of
35

GENERAL NOTES:

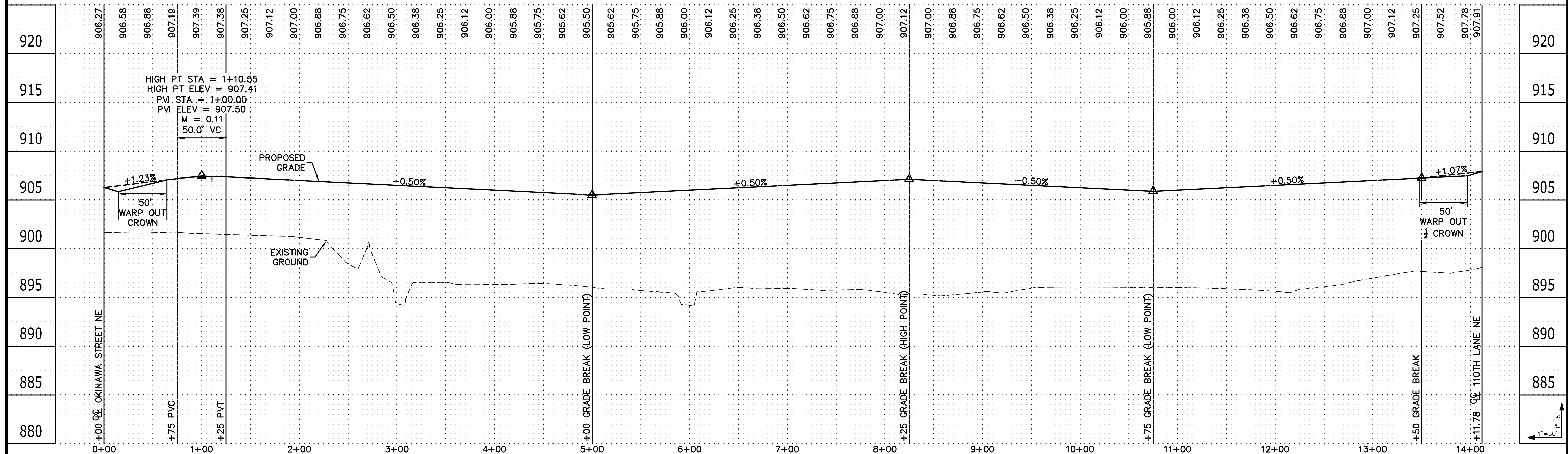
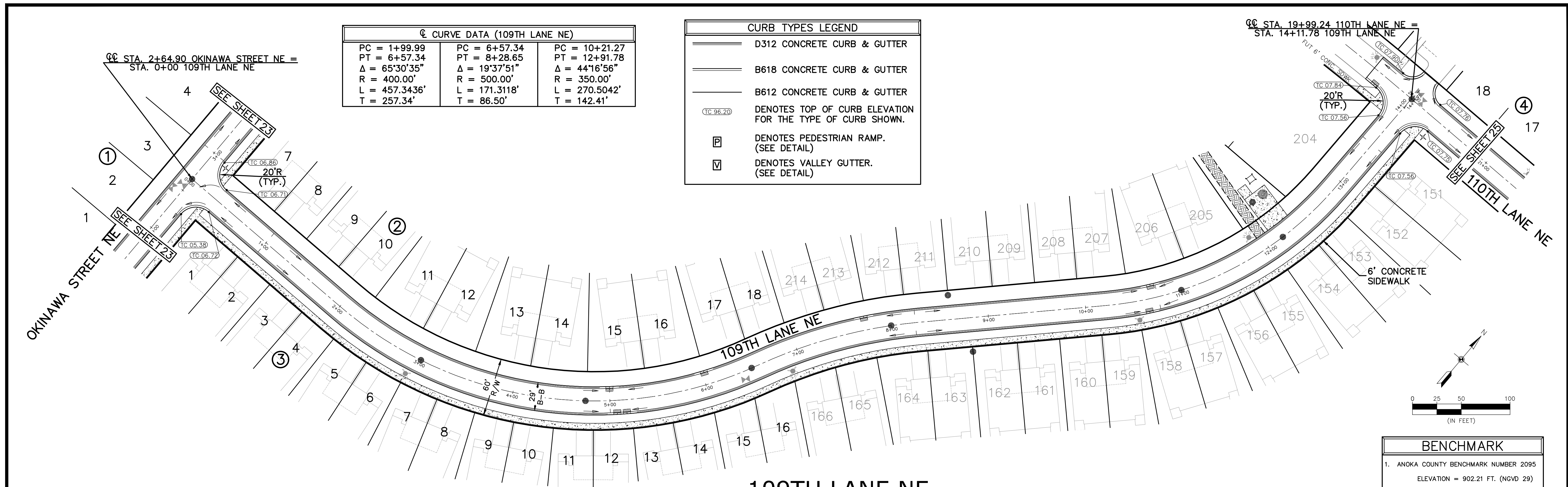
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ELEVATION = 902.21 FT. (NGVD 29)

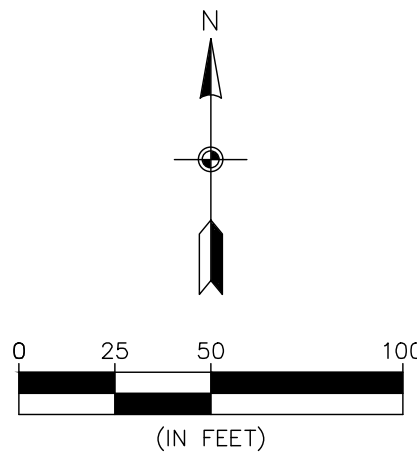


CURB TYPES LEGEND	
=====	D312 CONCRETE CURB & GUTTER
=====	B618 CONCRETE CURB & GUTTER
=====	B612 CONCRETE CURB & GUTTER
(TC 96.20)	DENOTES TOP OF CURB ELEVATION FOR THE TYPE OF CURB SHOWN.
	DENOTES PEDESTRIAN RAMP. (SEE DETAIL)
	DENOTES VALLEY GUTTER. (SEE DETAIL)

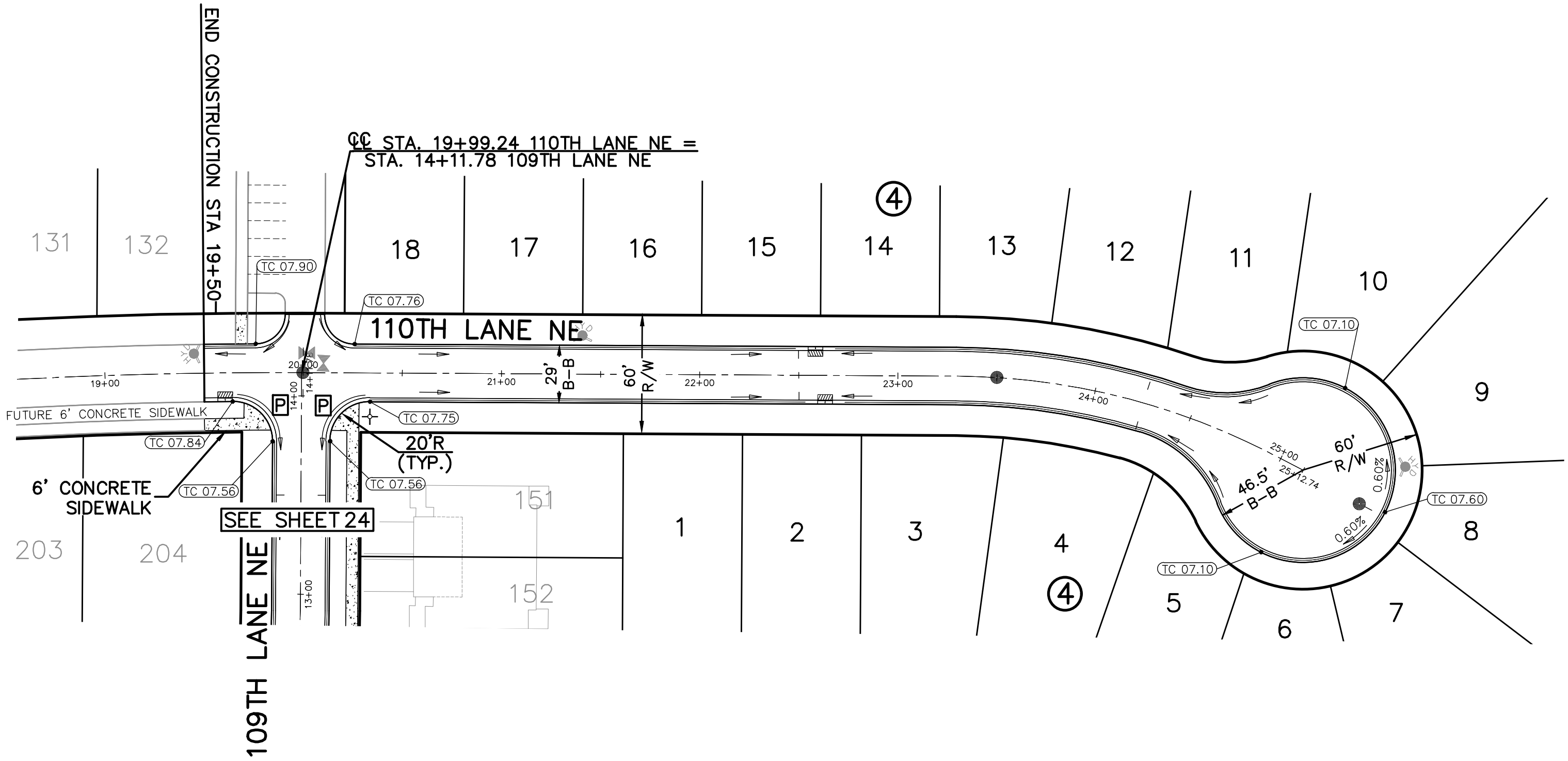


C CURVE DATA (110TH LANE NE)	
PC = 18+57.65	PC = 23+29.35
PT = 19+99.24	PT = 24+93.14
Δ = 03°14'42"	Δ = 26°48'51"
R = 2500.00'	R = 350.00'
L = 141.5859'	L = 163.7986'
T = 70.81'	T = 83.43'

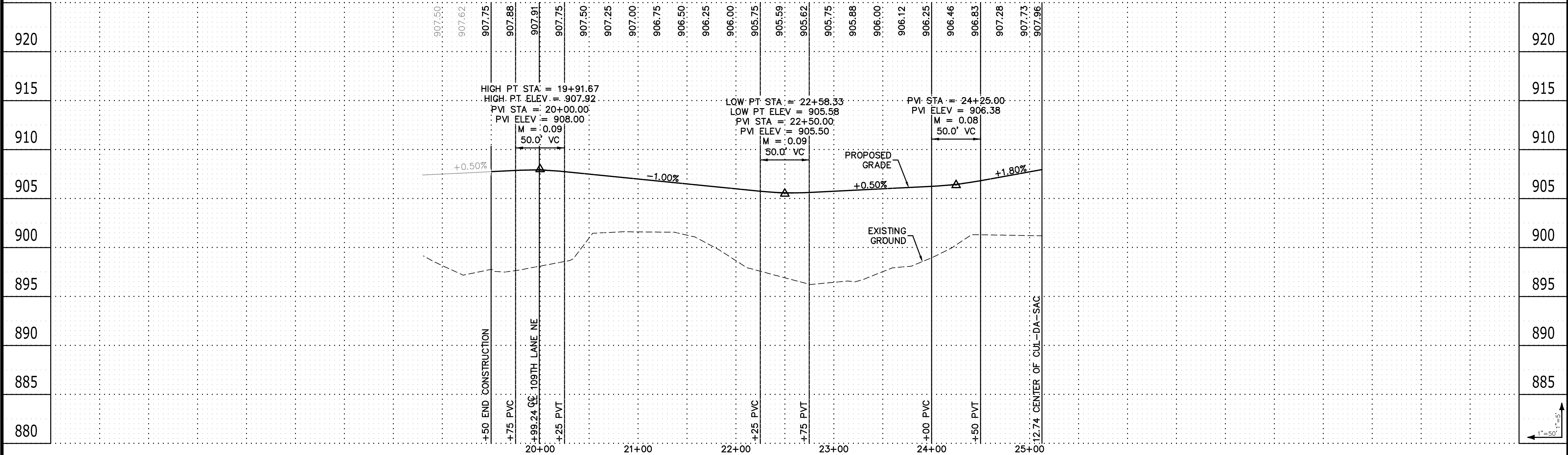
CURB TYPES LEGEND	
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BENCHMARK
1. ANOKA COUNTY BENCHMARK NUMBER 2095
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110TH LANE NE



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Date: 3/27/2020

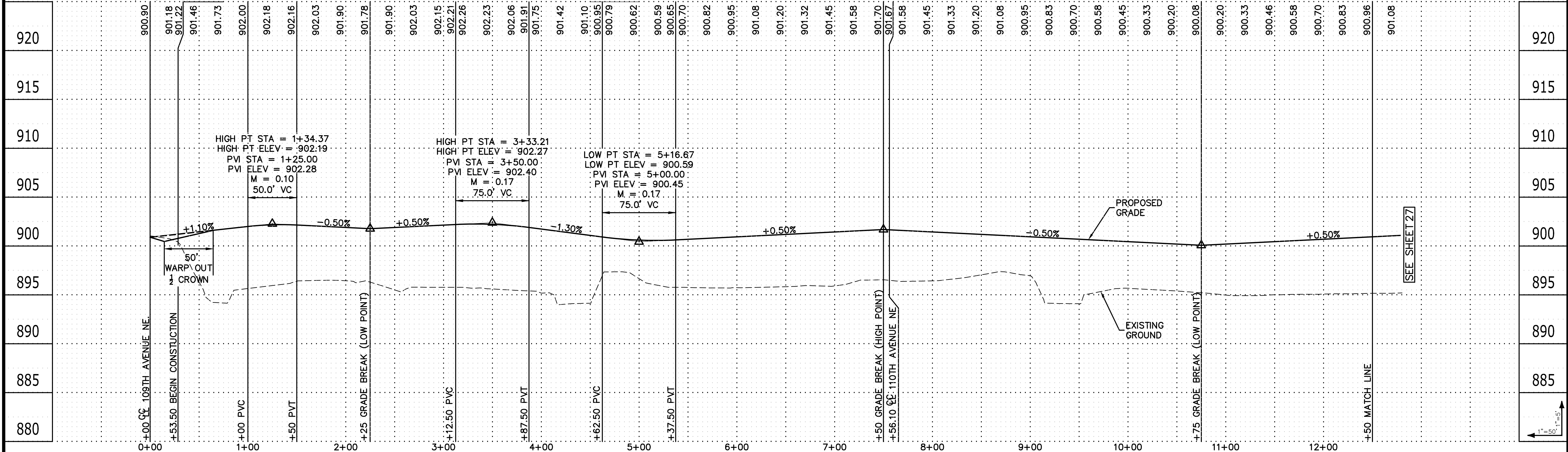
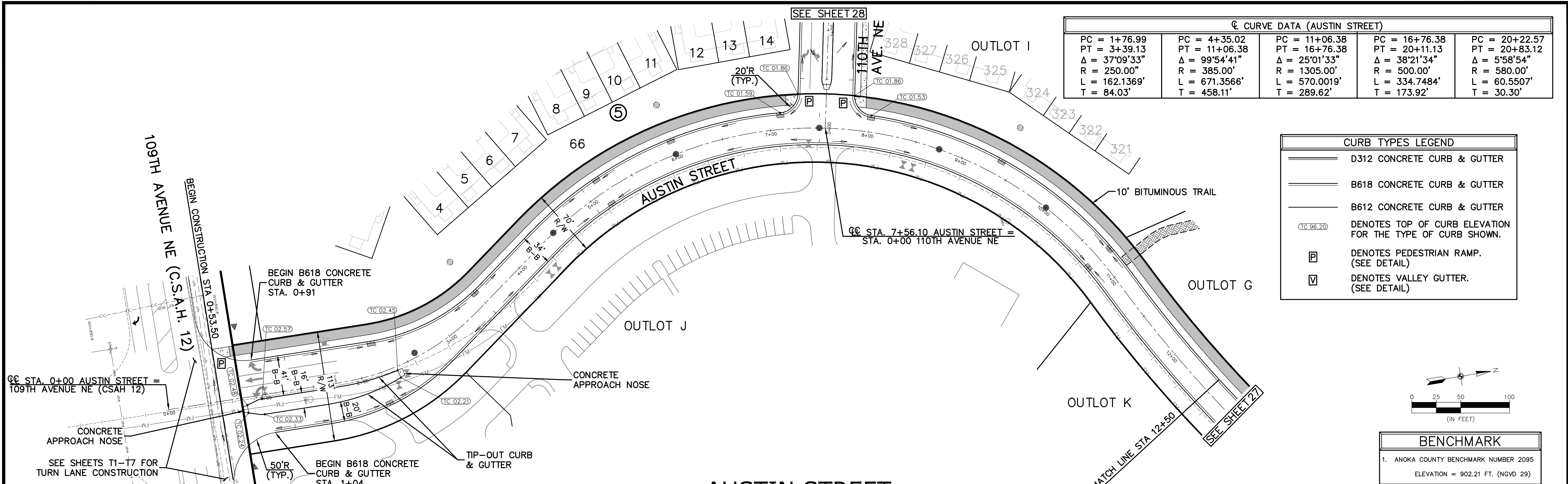
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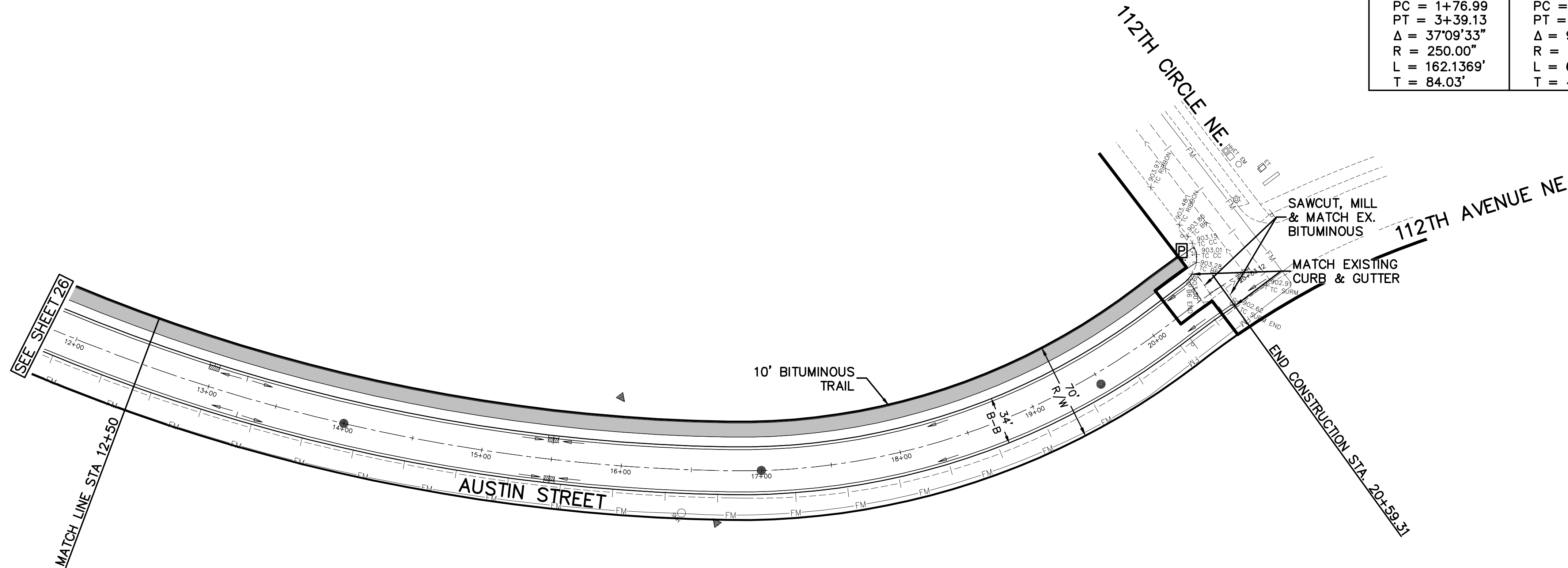
1	WELLINGTON MANAGEMENT, INC.
2	1625 Energy Park Drive, #100
3	St. Paul, MN 55108

NORTH MEADOWS 1ST ADDITION
Blaine, Minnesota

STREET CONSTRUCTION

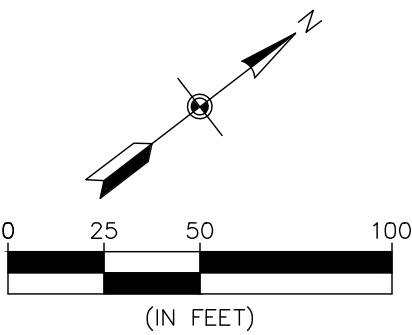
25 of 35





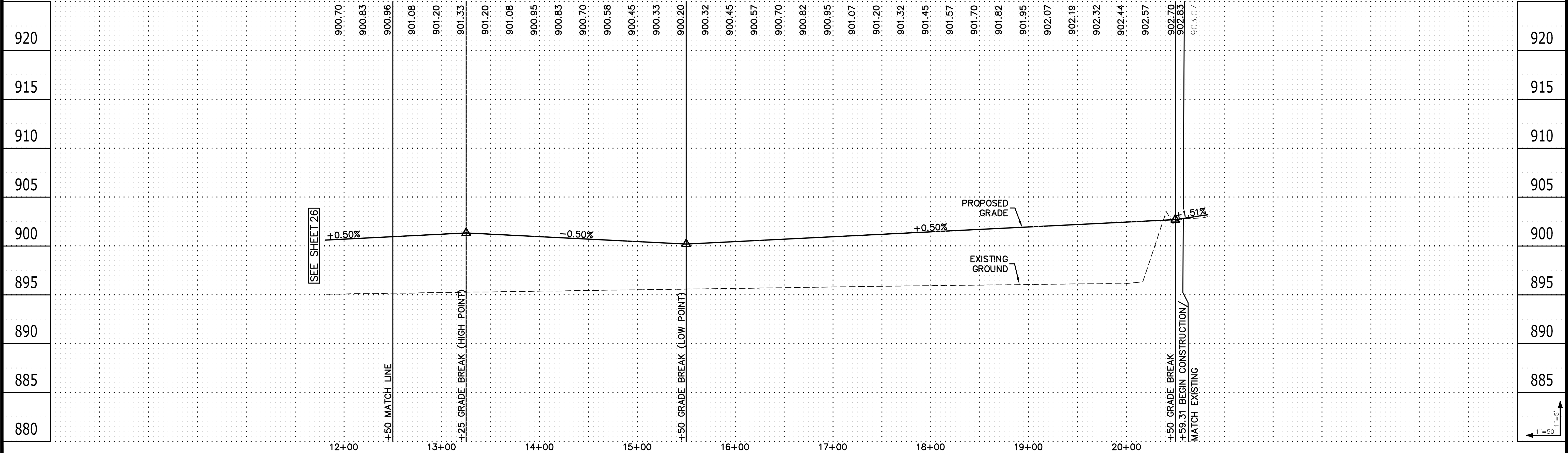
C CURVE DATA (AUSTIN STREET)				
PC = 1+76.99	PC = 4+35.02	PC = 11+06.38	PC = 16+76.38	PC = 20+22.57
PT = 3+39.13	PT = 11+06.38	PT = 16+76.38	PT = 20+11.13	PT = 20+83.12
Δ = 37°09'33"	Δ = 99°54'41"	Δ = 25°01'33"	Δ = 38°21'34"	Δ = 5°58'54"
R = 250.00'	R = 385.00'	R = 1305.00'	R = 500.00'	R = 580.00'
L = 162.1369'	L = 671.3566'	L = 570.0019'	L = 334.7484'	L = 60.5507'
T = 84.03'	T = 458.11'	T = 289.62'	T = 173.92'	T = 30.30'

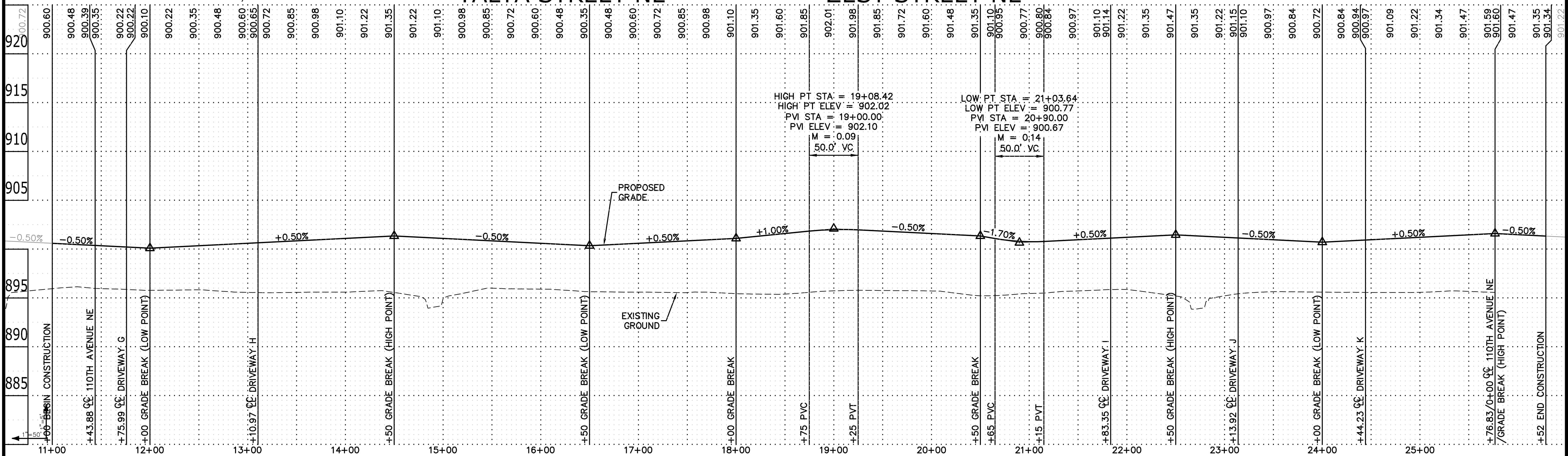
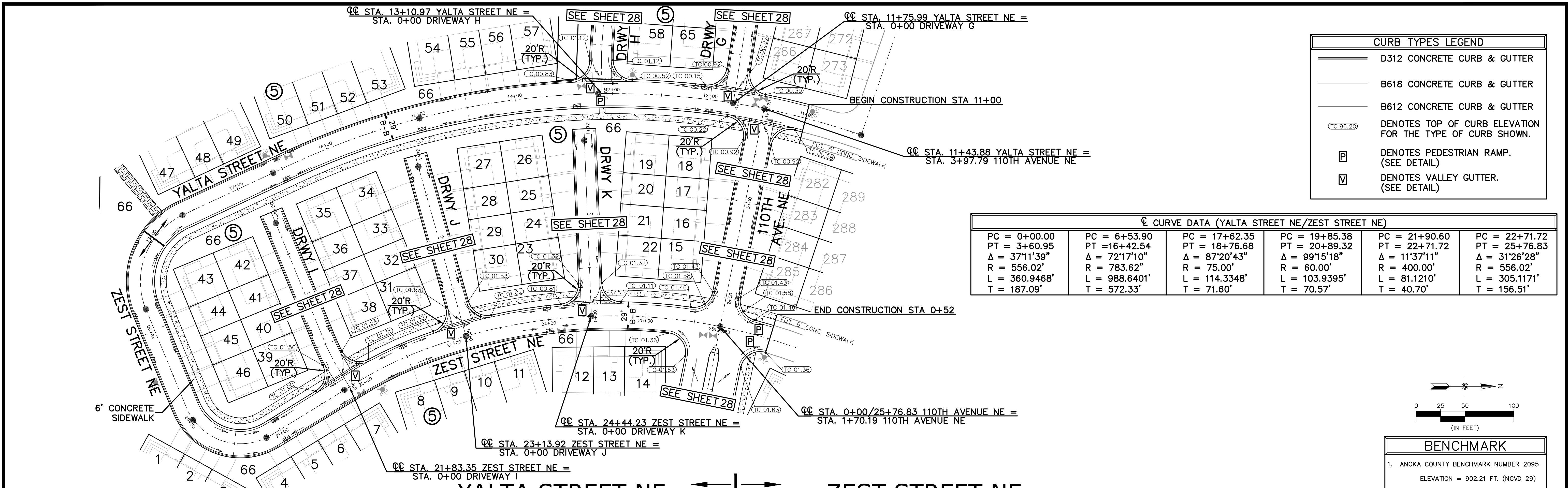
CURB TYPES LEGEND	
	D312 CONCRETE CURB & GUTTER
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BENCHMARK
1. ANOKA COUNTY BENCHMARK NUMBER 2095
ELEVATION = 902.21 FT. (NGVD 29)

AUSTIN STREET





LIGHTING NOTES:

☼ PROPOSED LIGHT LOCATION.

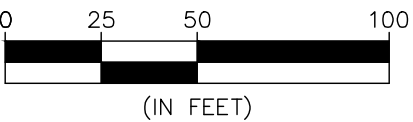
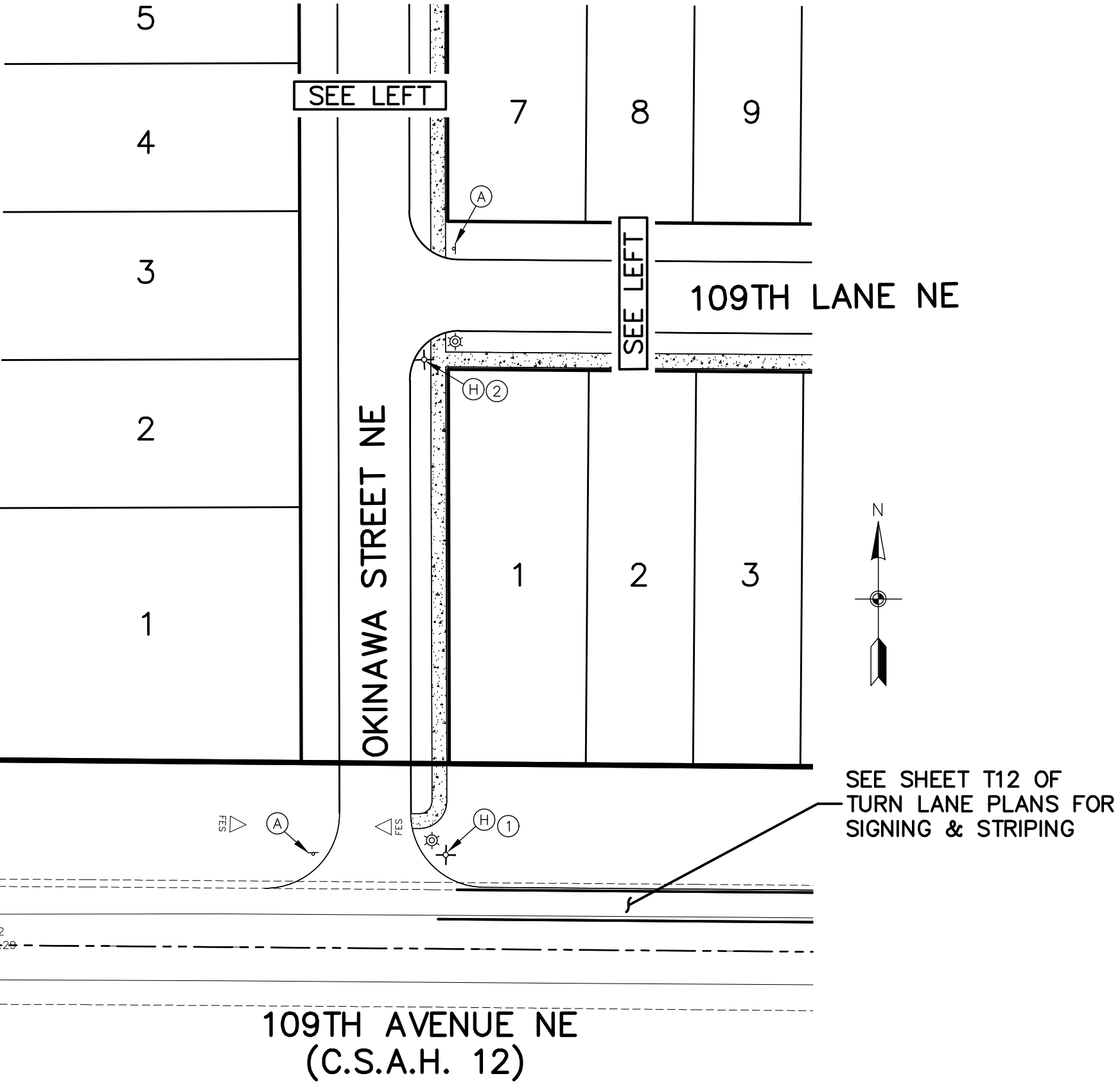
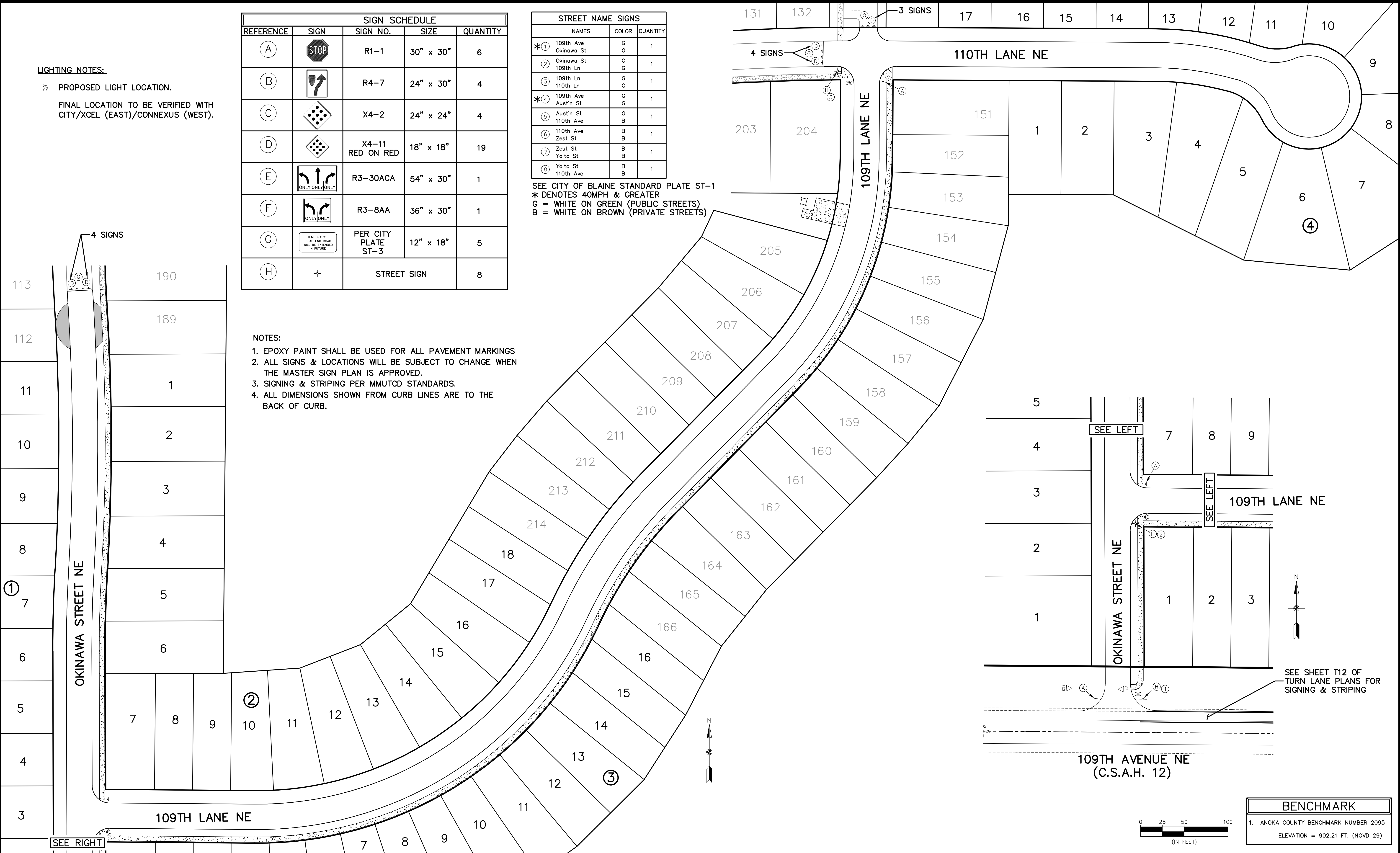
FINAL LOCATION TO BE VERIFIED WITH CITY/XCEL (EAST)/CONNEXUS (WEST).

SIGN SCHEDULE				
REFERENCE	SIGN	SIGN NO.	SIZE	QUANTITY
(A)		R1-1	30" x 30"	6
(B)		R4-7	24" x 30"	4
(C)		X4-2	24" x 24"	4
(D)		X4-11 RED ON RED	18" x 18"	19
(E)		R3-30ACA	54" x 30"	1
(F)		R3-8AA	36" x 30"	1
(G)		PER CITY PLATE ST-3	12" x 18"	5
(H)		STREET SIGN		8

STREET NAME SIGNS		
NAMES	COLOR	QUANTITY
*1 109th Ave Okinawa St	G G	1
2 Okinawa St 109th Ln	G G	1
3 109th Ln 110th Ln	G G	1
*4 109th Ave Austin St	G G	1
5 Austin St 110th Ave	G B	1
6 110th Ave Zest St	B B	1
7 Zest St Yalta St	B B	1
8 Yalta St 110th Ave	B B	1

SEE CITY OF BLAINE STANDARD PLATE ST-1
* DENOTES 40MPH & GREATER
G = WHITE ON GREEN (PUBLIC STREETS)
B = WHITE ON BROWN (PRIVATE STREETS)

- NOTES:**
1. EPOXY PAINT SHALL BE USED FOR ALL PAVEMENT MARKINGS
 2. ALL SIGNS & LOCATIONS WILL BE SUBJECT TO CHANGE WHEN THE MASTER SIGN PLAN IS APPROVED.
 3. SIGNING & STRIPING PER MMUTCD STANDARDS.
 4. ALL DIMENSIONS SHOWN FROM CURB LINES ARE TO THE BACK OF CURB.



BENCHMARK
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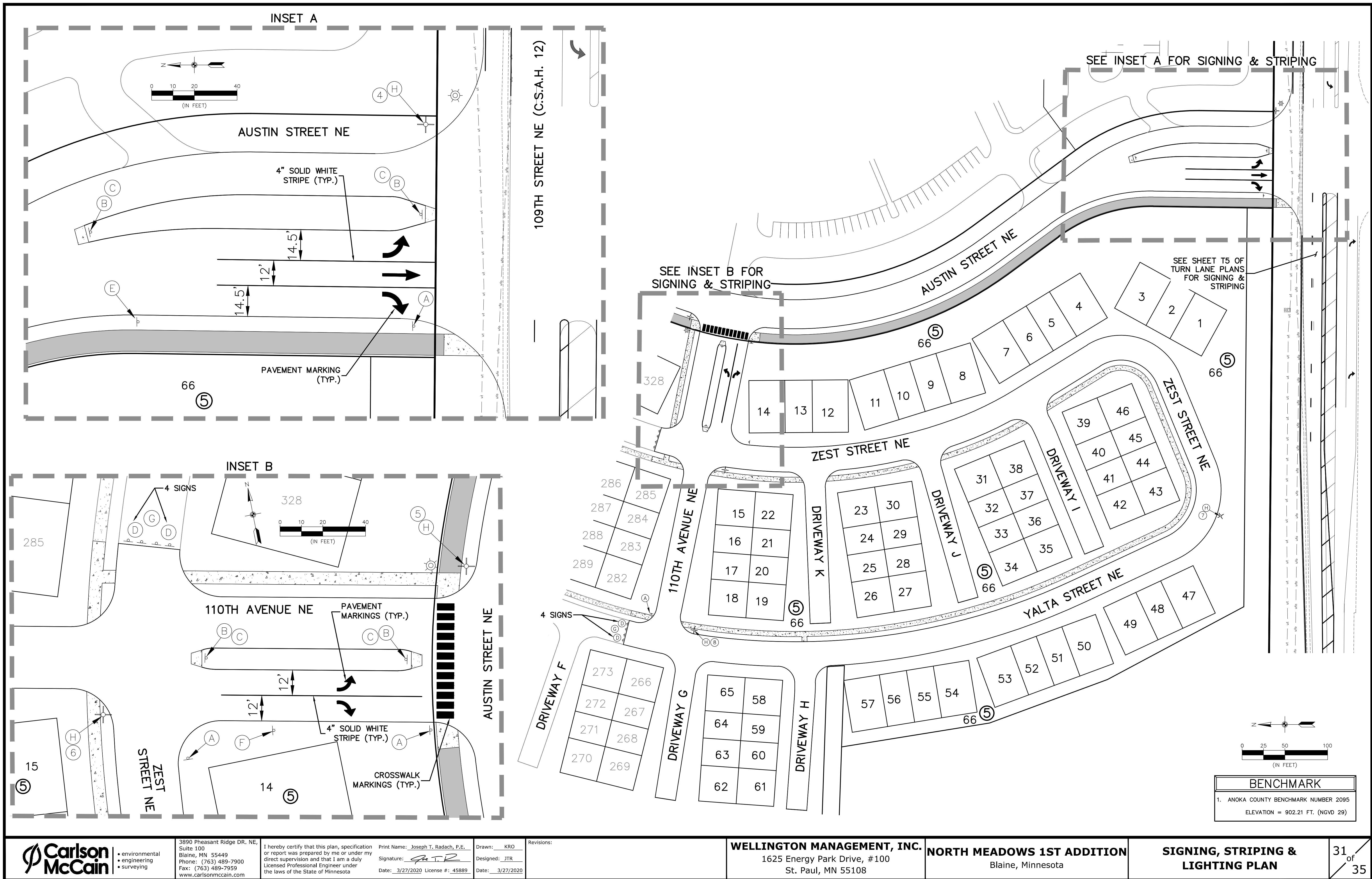
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Designed: JTR
Date: 3/27/2020

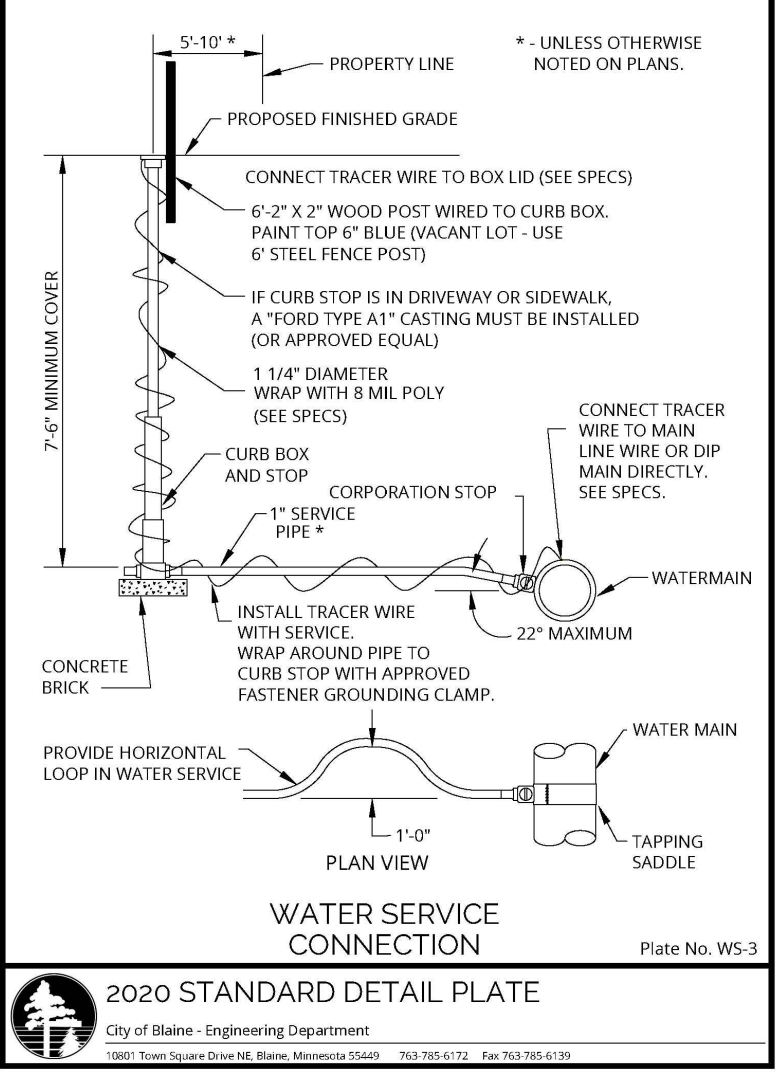
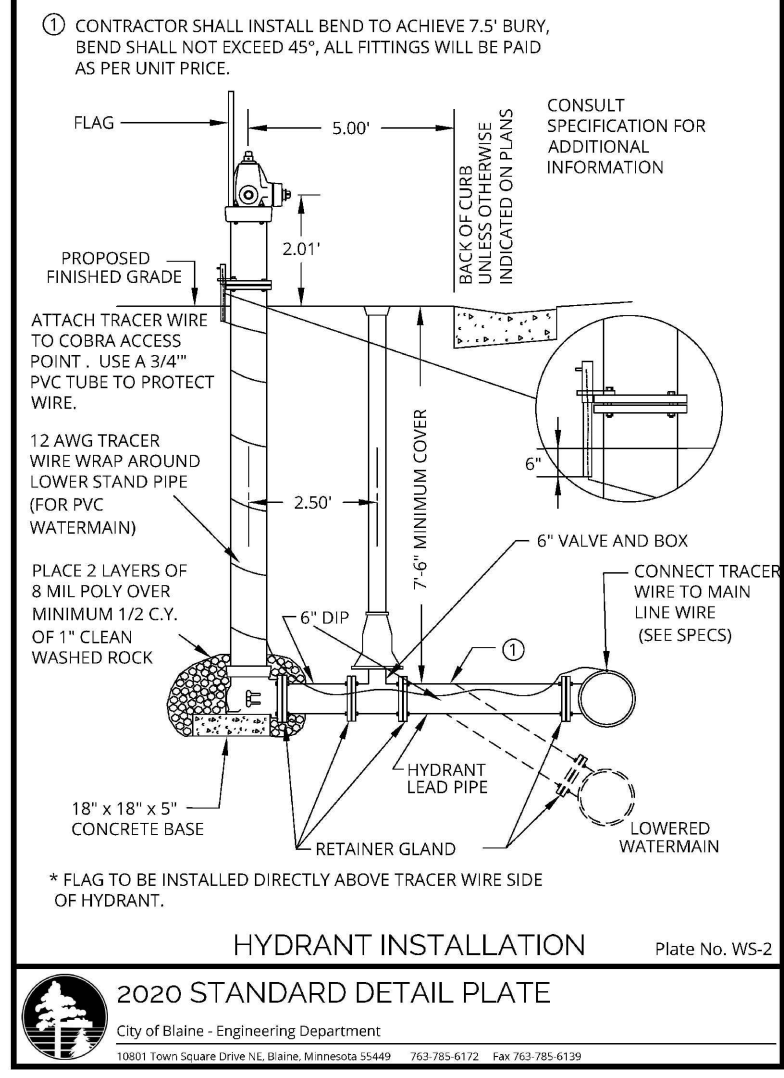
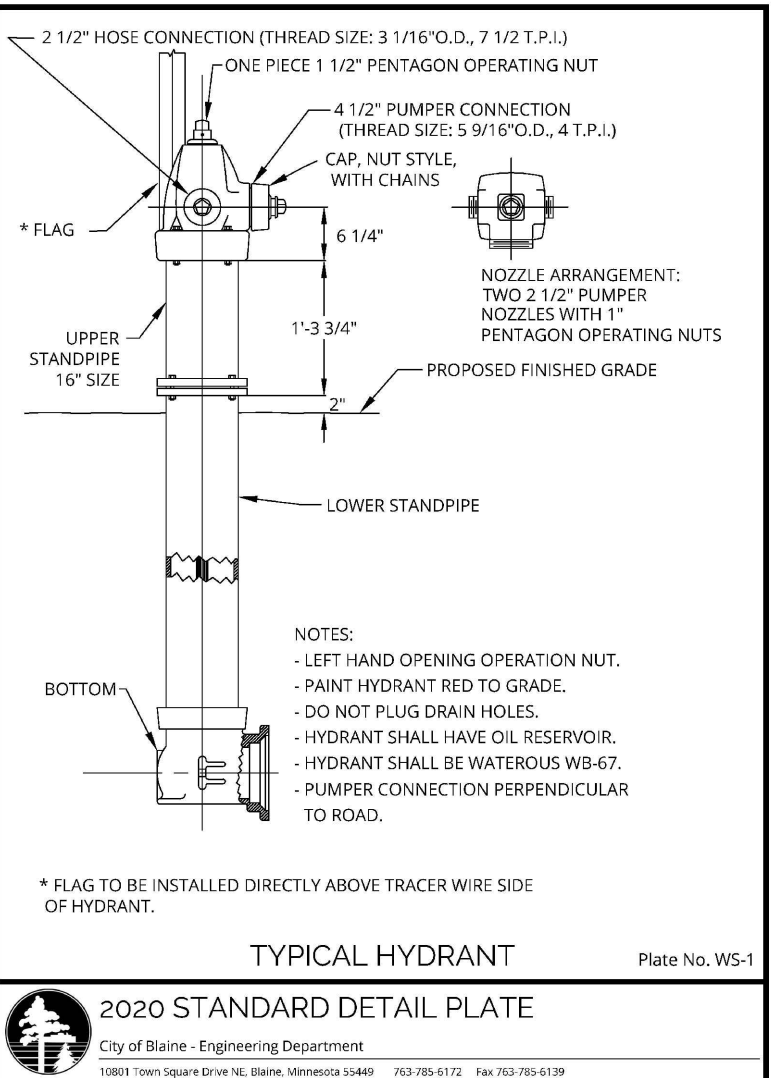
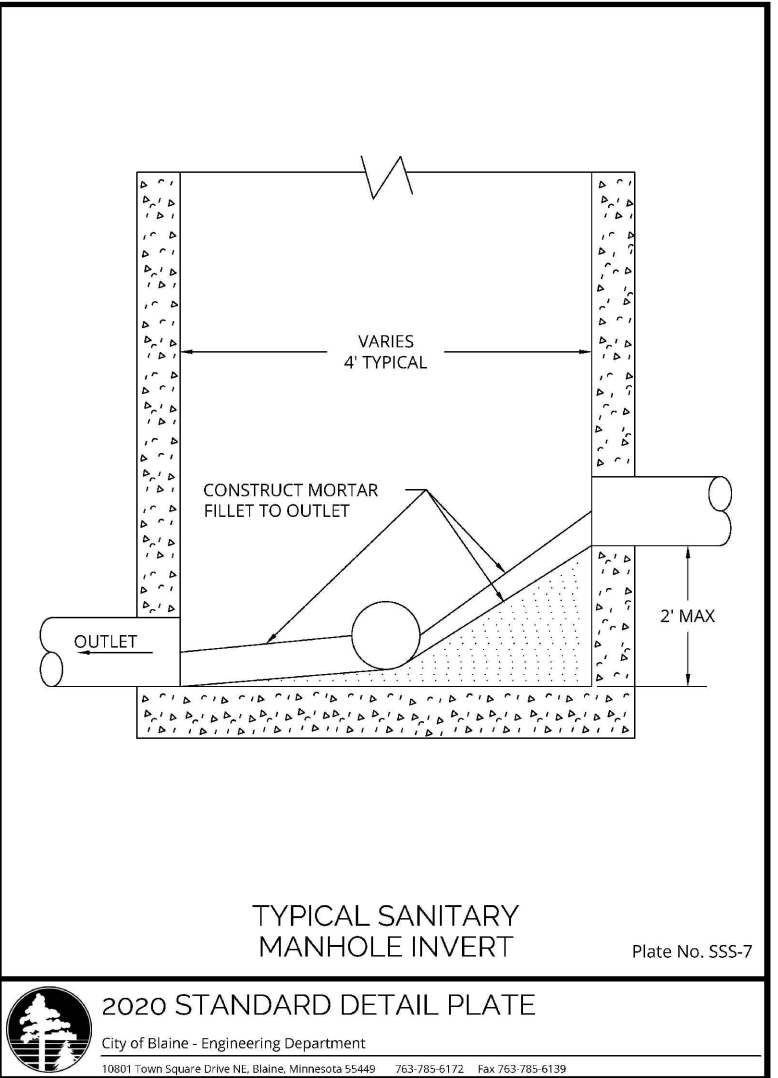
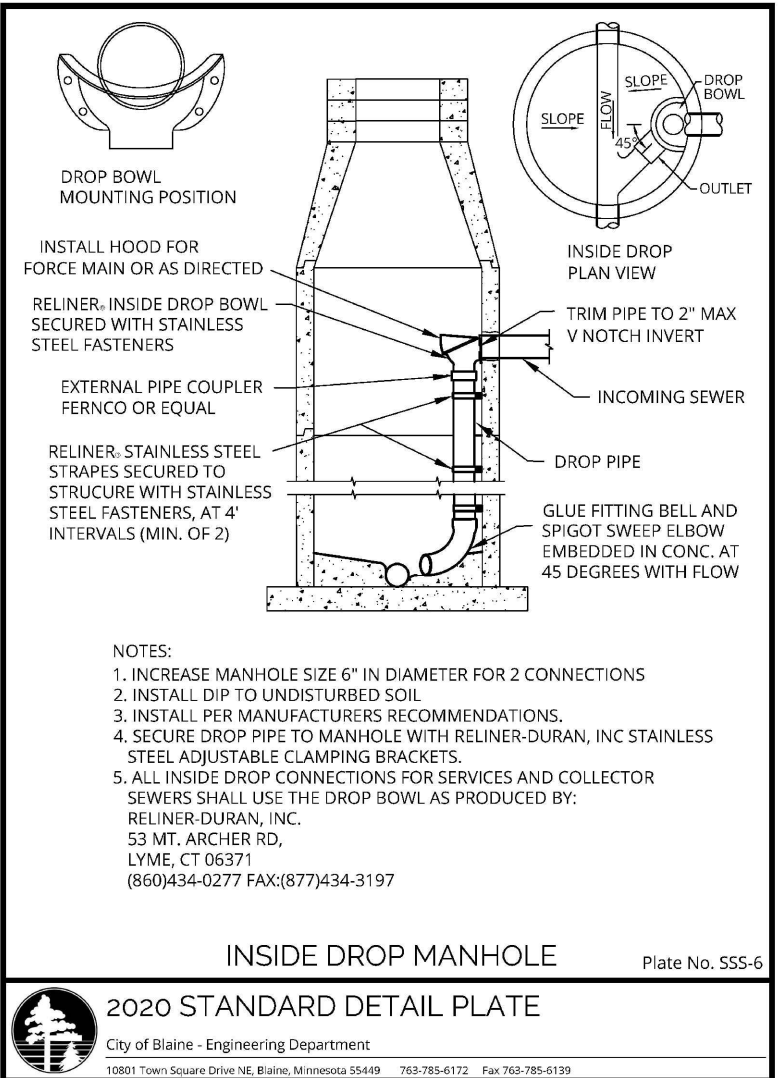
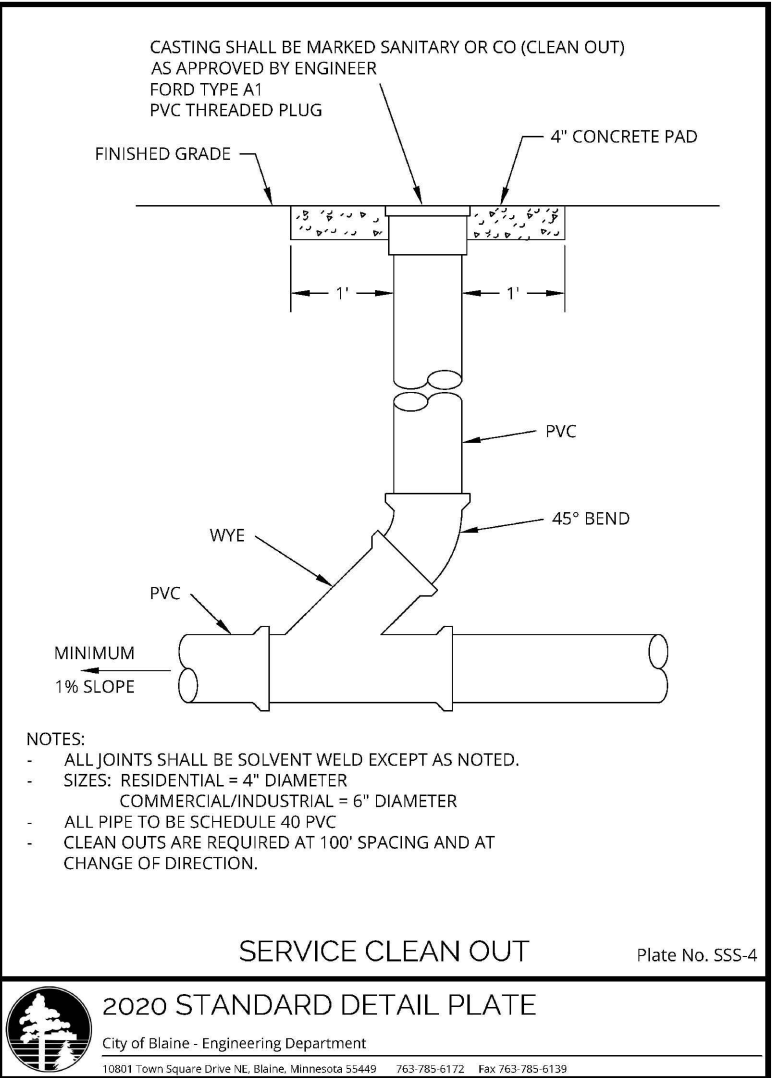
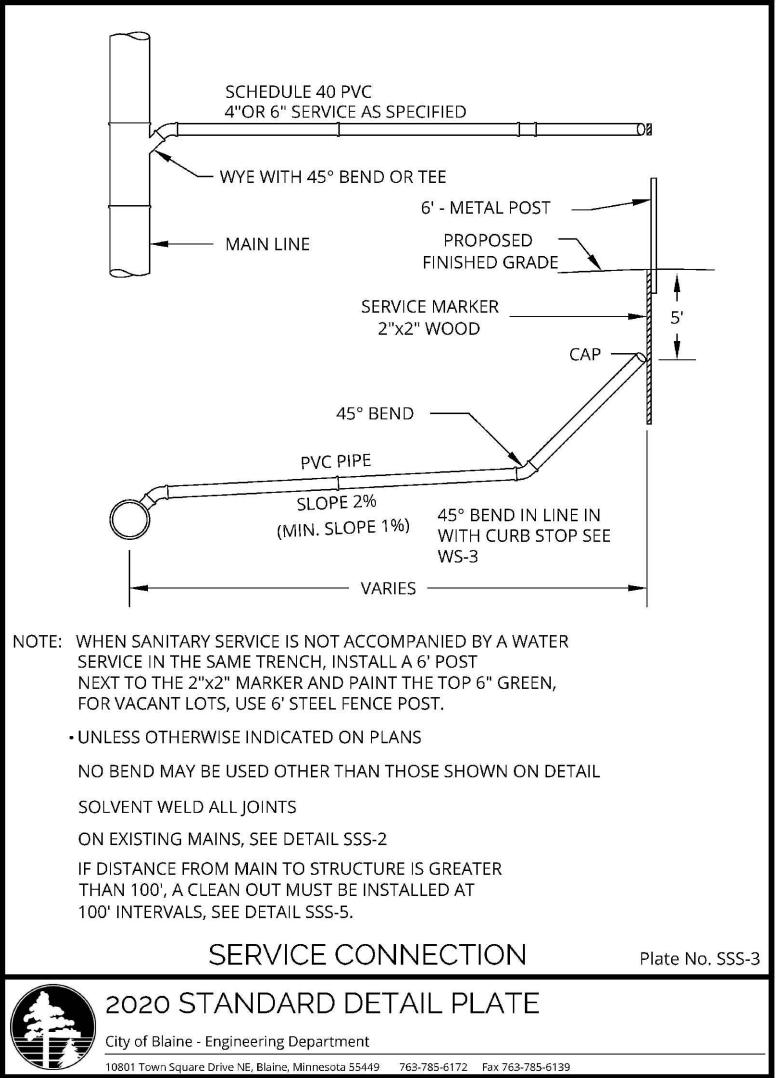
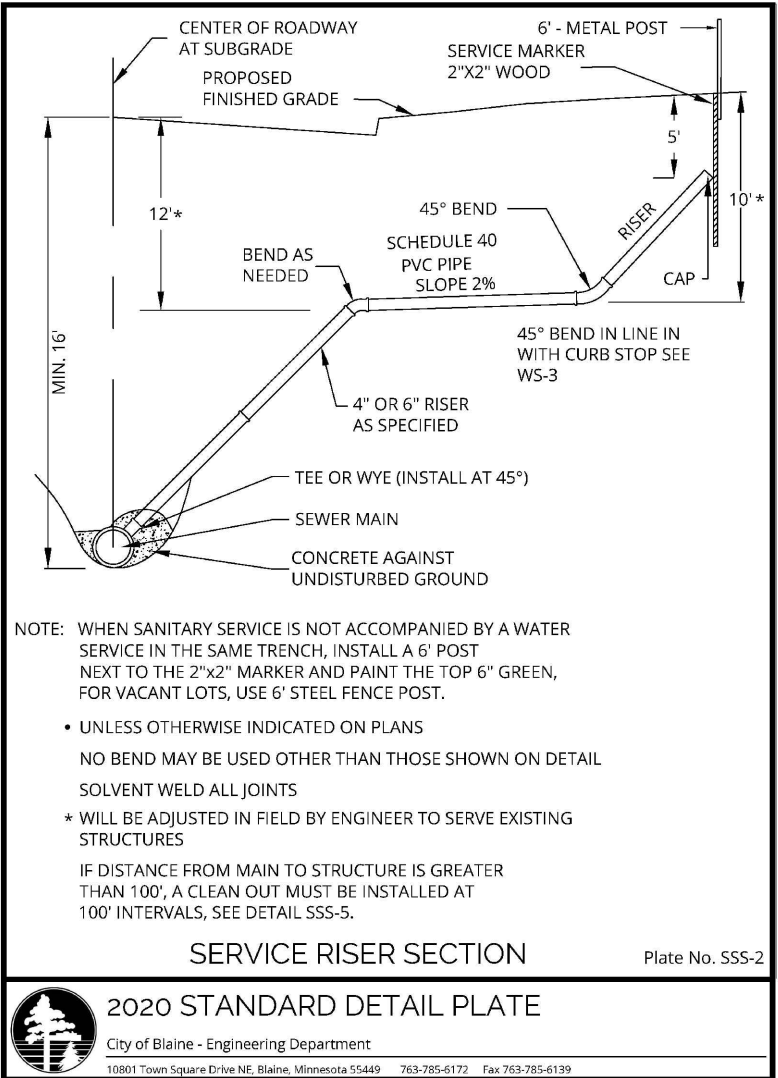
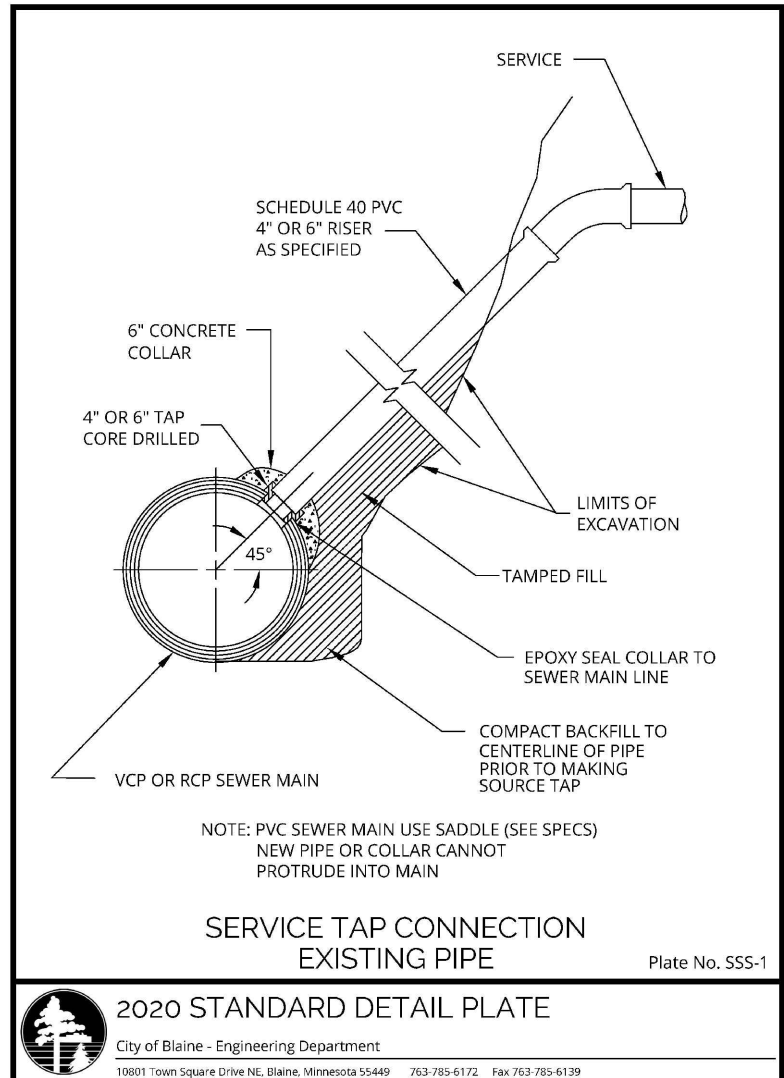
Revisions:

WELLINGTON MANAGEMENT, INC.
1625 Energy Park Drive, #100
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NORTH MEADOWS 1ST ADDITION
Blaine, Minnesota

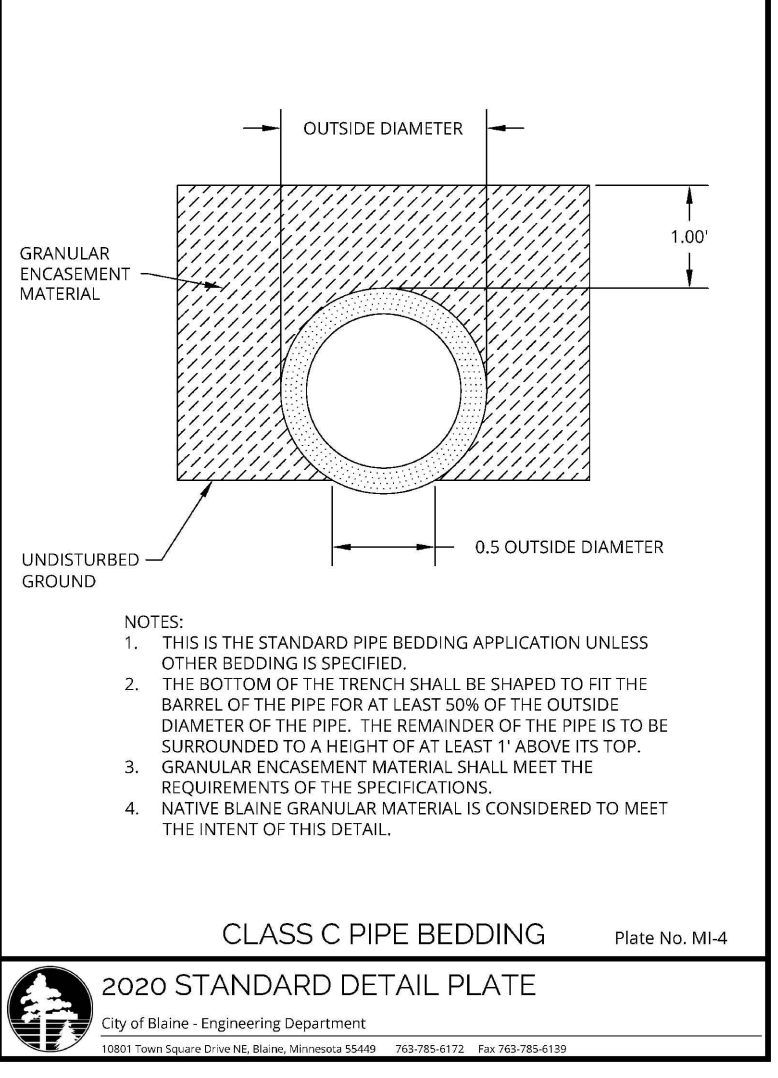
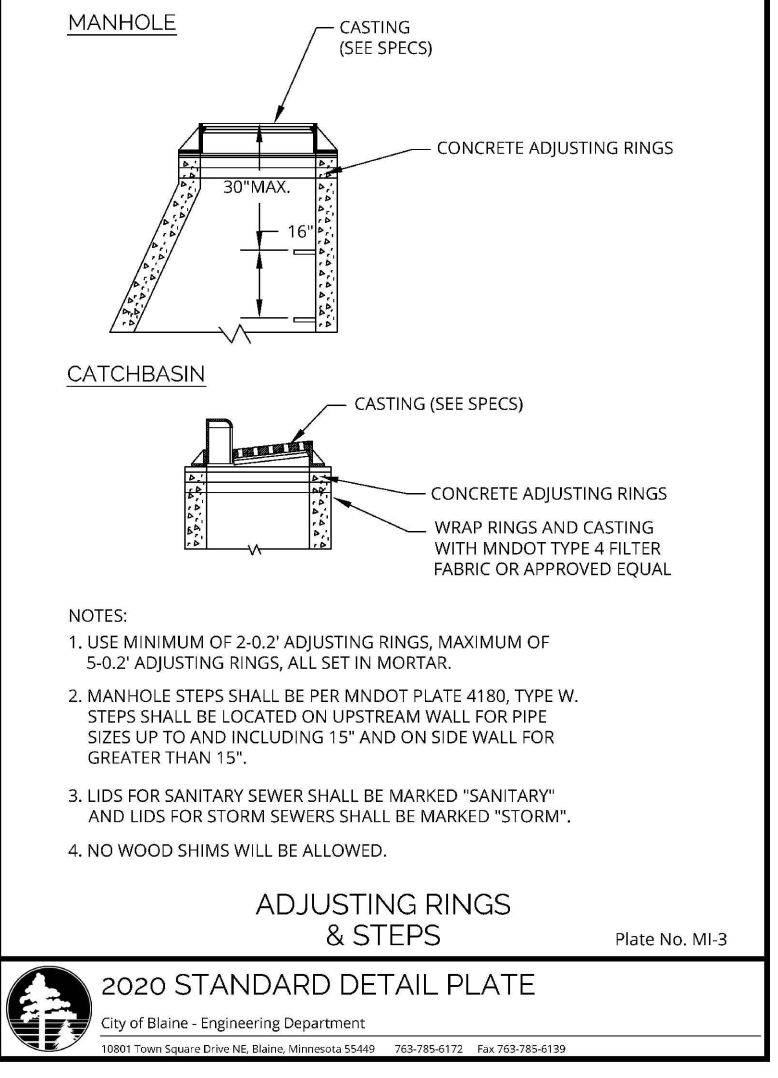
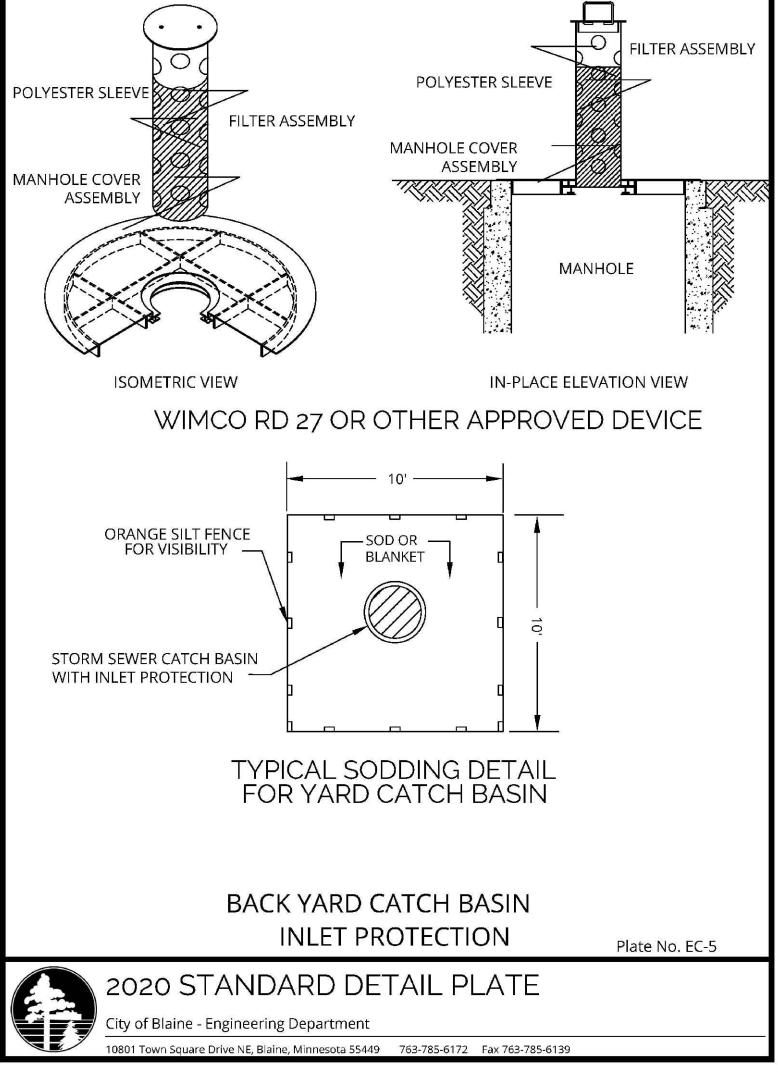
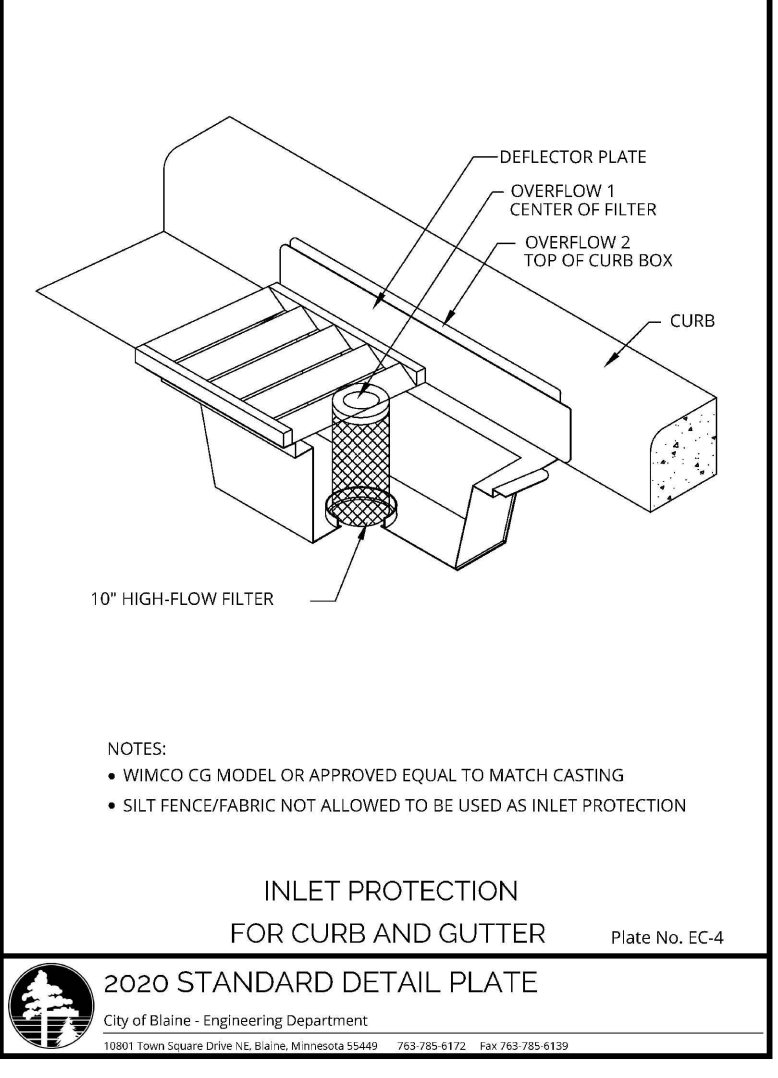
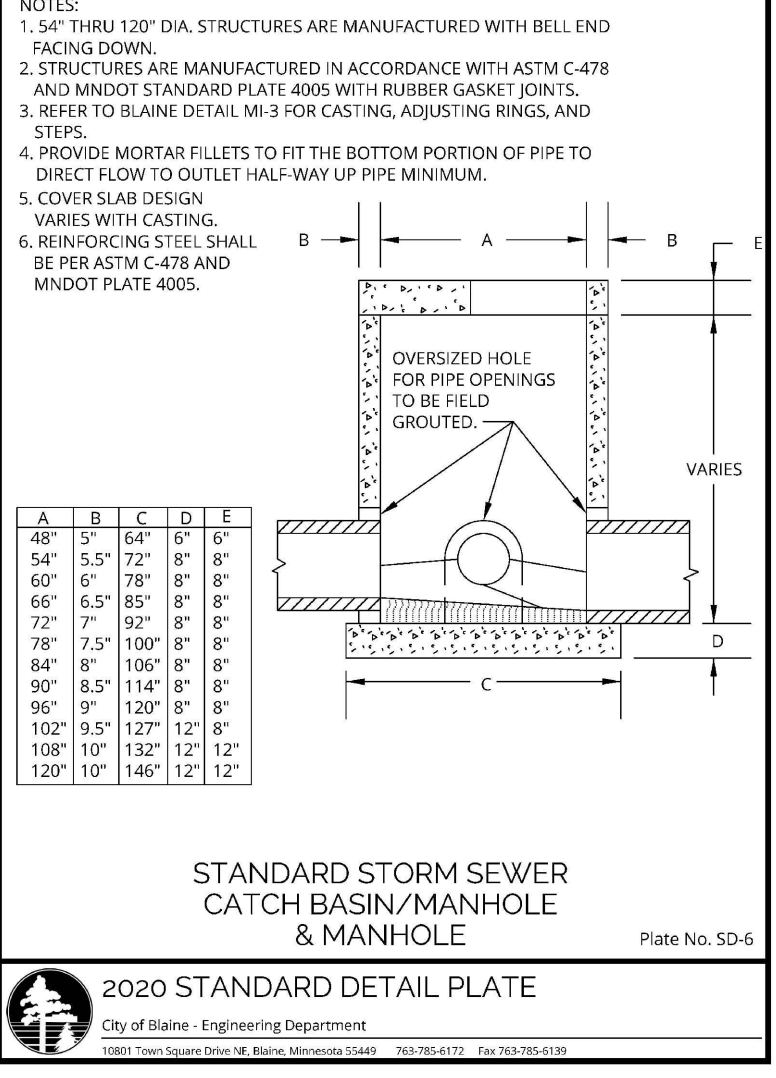
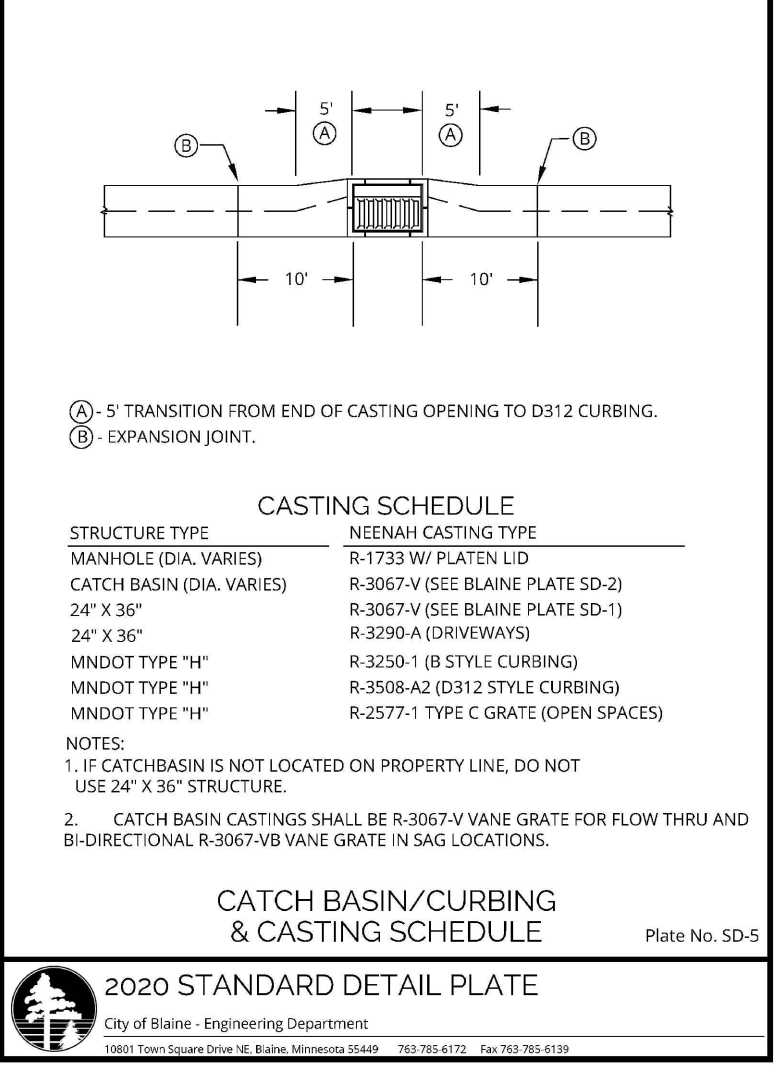
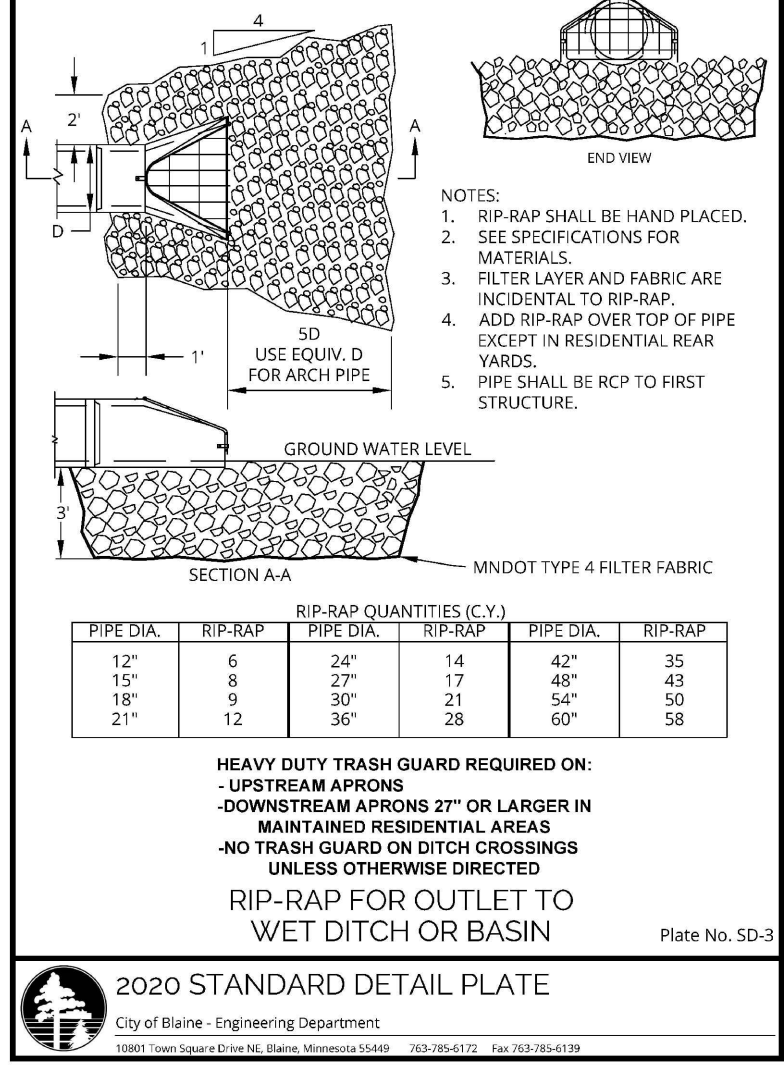
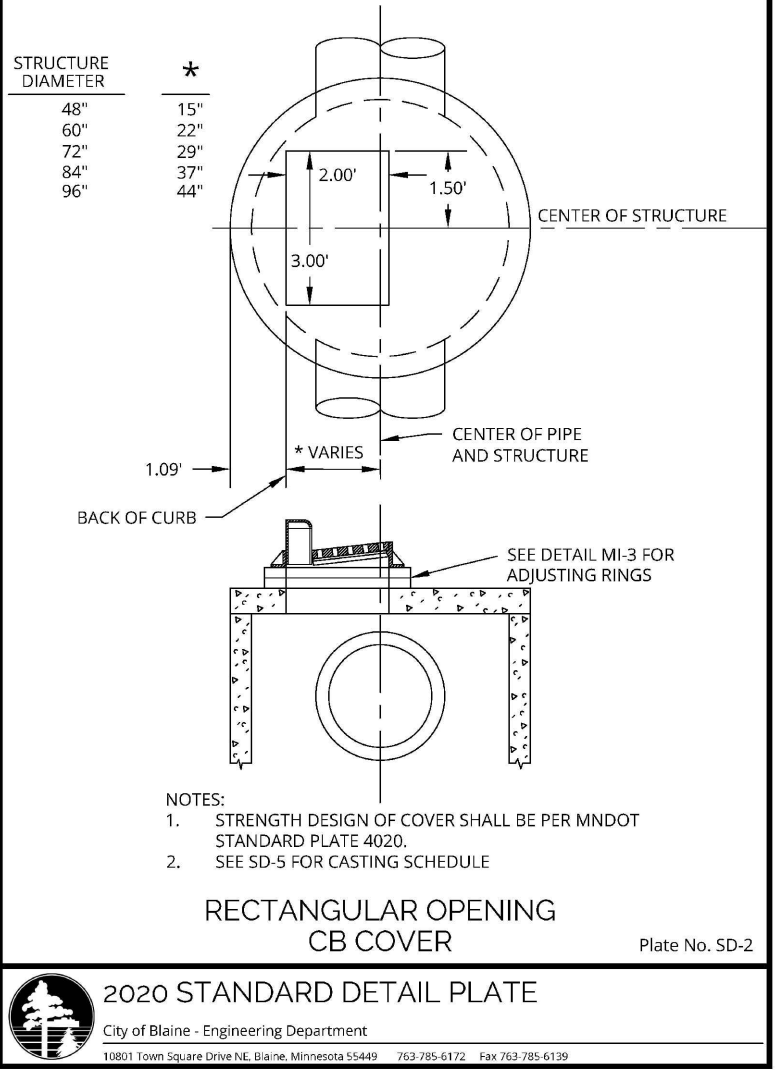
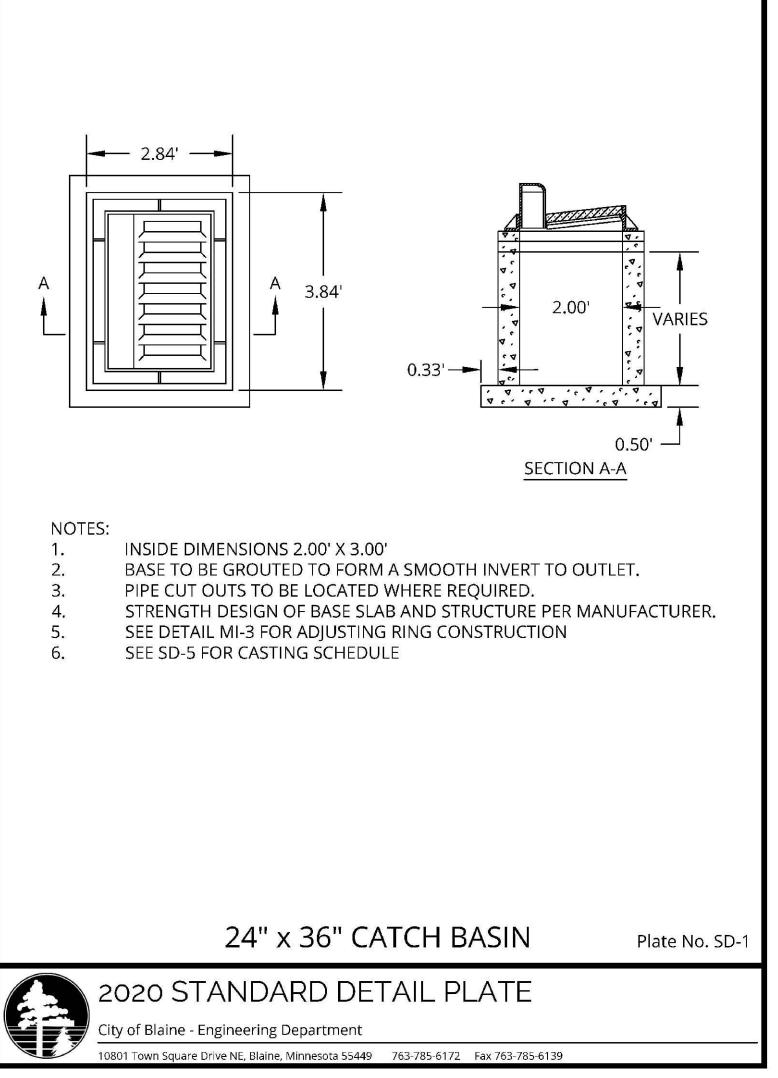
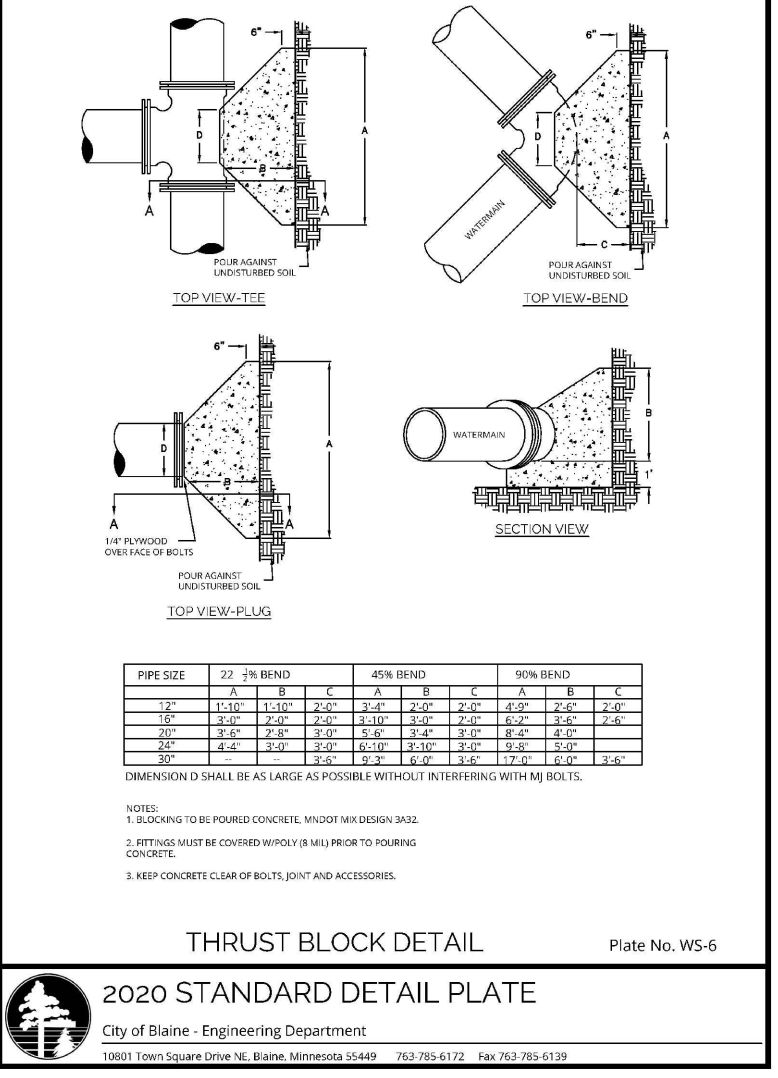
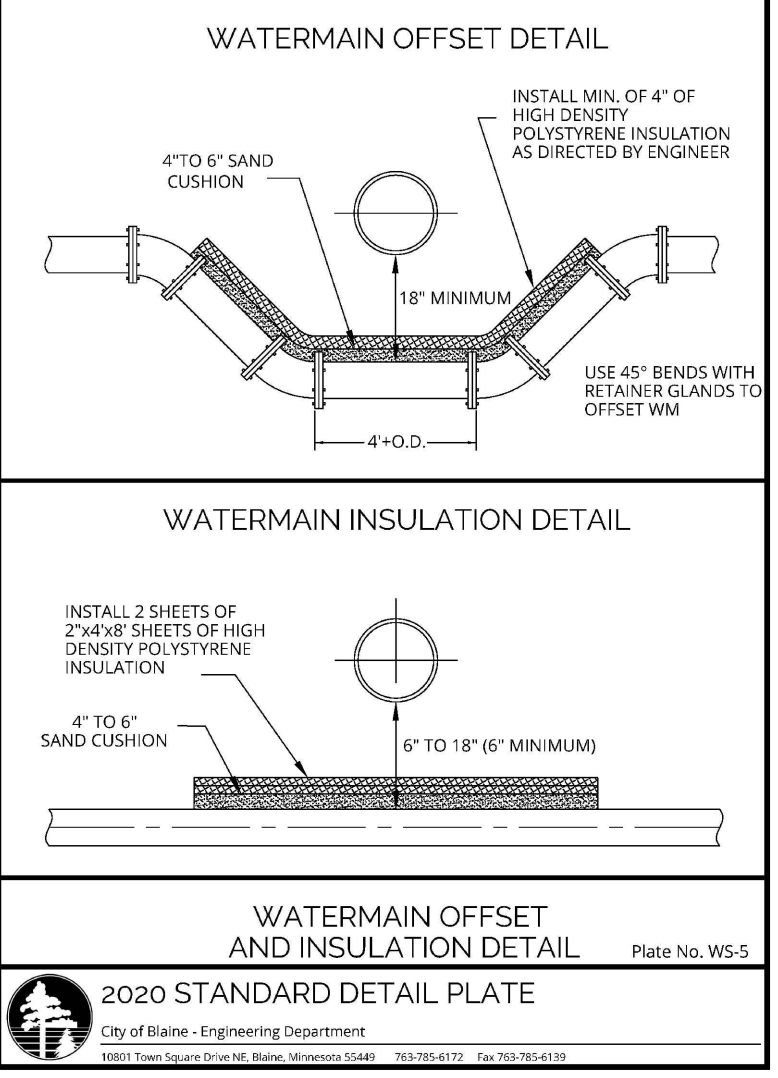
**SIGNING, STRIPING &
LIGHTING PLAN**





2020 STANDARD DETAIL PLATE
City of Blaine - Engineering Department
10801 Town Square Drive NE, Blaine, Minnesota 55449 763.785.6172 Fax 763.785.6170

PIPE SIZE		6"	8"	10"	12"	14"	16"	18"	20"	24"
BENDS	30"	39	57	89	108	210	264	335	400	565
	24"	32	49	70	86	164	202	250	305	405
	22 1/2"	32	49	64	84	148	178	255	310	412
	21 1/2"	30	46	59	74	130	158	205	245	315
SLEEVES	SHORT	28	38	49	56	111	130	160	195	255
	LONG	30	40	52	62	140	172	225	335	335
TEES	6"	8	10	12	14	16	18	20	24	24
	8"	10	12	14	16	18	20	24	24	24
	10"	12	14	16	18	20	24	24	24	24
	12"	14	16	18	20	24	24	24	24	24
	14"	16	18	20	24	24	24	24	24	24
	16"	18	20	24	24	24	24	24	24	24
	18"	20	24	24	24	24	24	24	24	24
	20"	24	24	24	24	24	24	24	24	24
	24"	24	24	24	24	24	24	24	24	24
CROSS	6"	8	10	12	14	16	18	20	24	24
	8"	10	12	14	16	18	20	24	24	24
	10"	12	14	16	18	20	24	24	24	24
	12"	14	16	18	20	24	24	24	24	24
	14"	16	18	20	24	24	24	24	24	24
	16"	18	20	24	24	24	24	24	24	24
	18"	20	24	24	24	24	24	24	24	24
	20"	24	24	24	24	24	24	24	24	24
	24"	24	24	24	24	24	24	24	24	24
REDUCERS	6"	8	10	12	14	16	18	20	24	24
	8"	10	12	14	16	18	20	24	24	24
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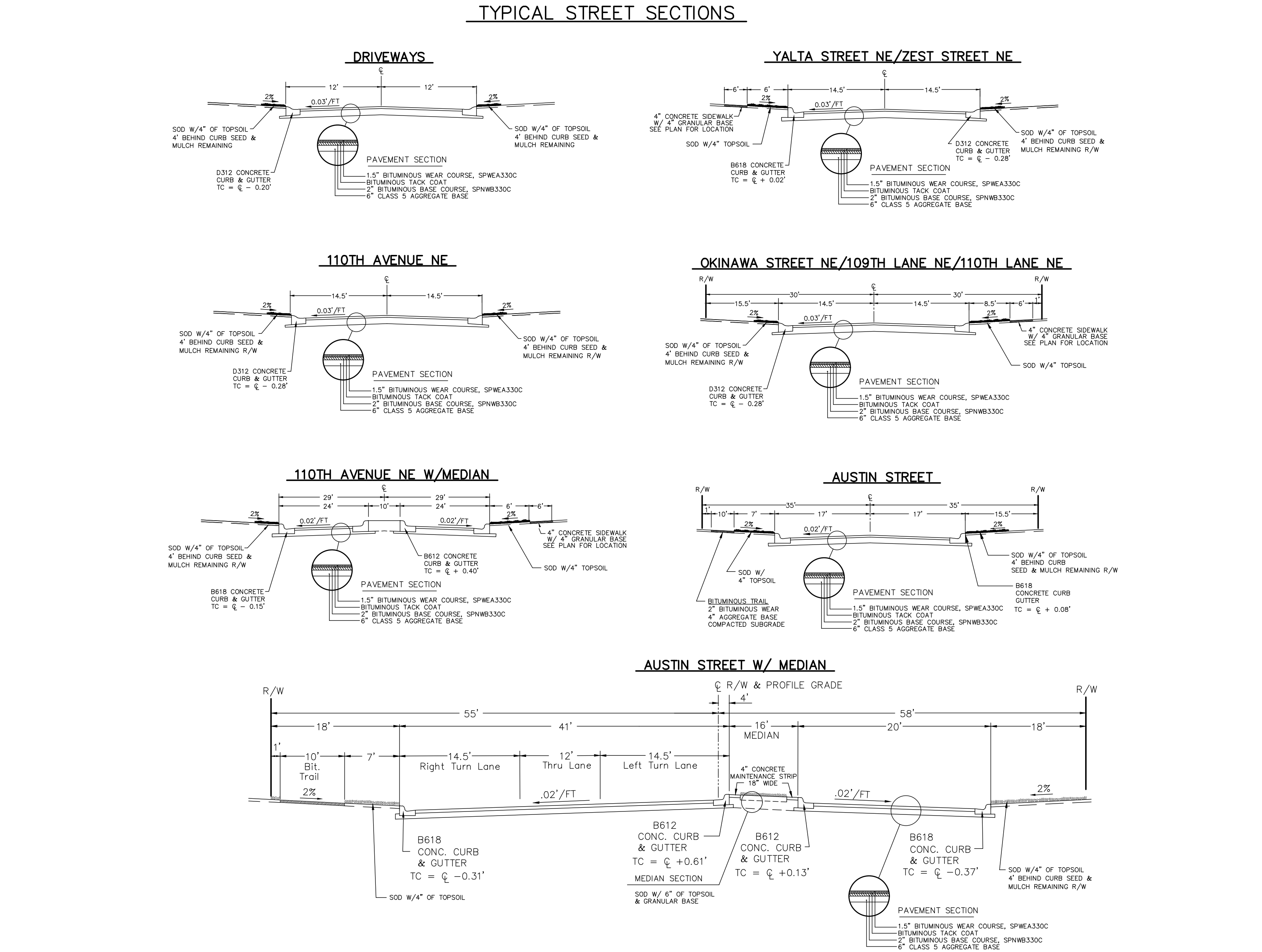
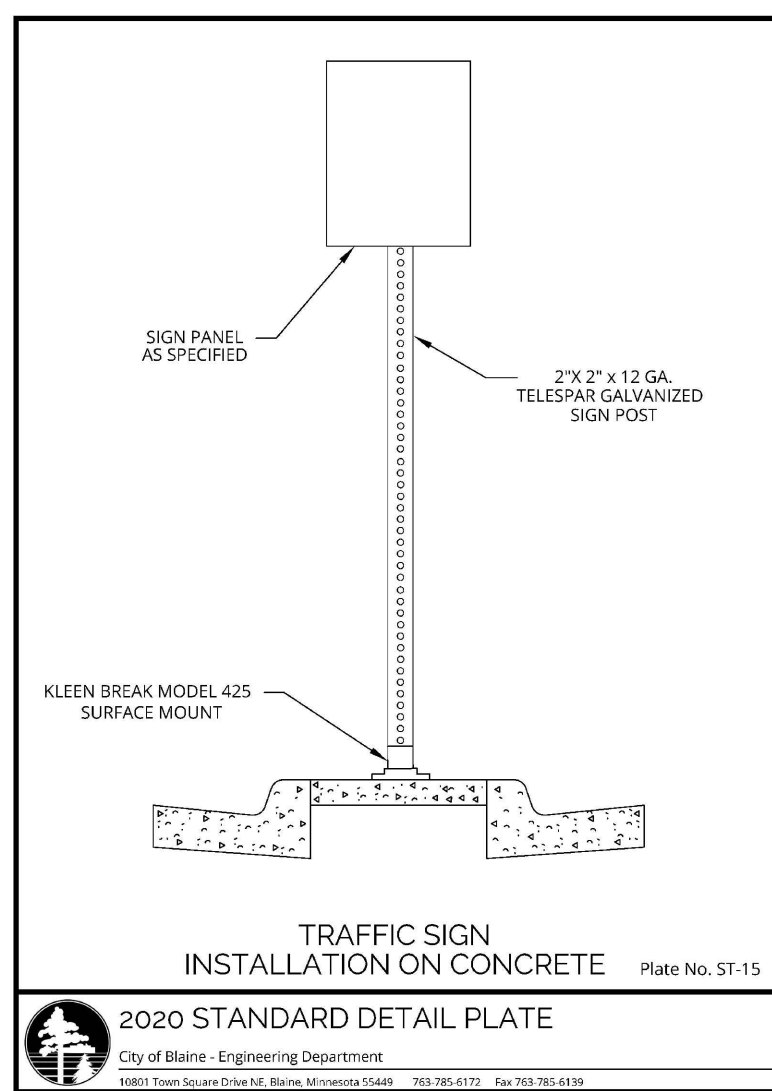
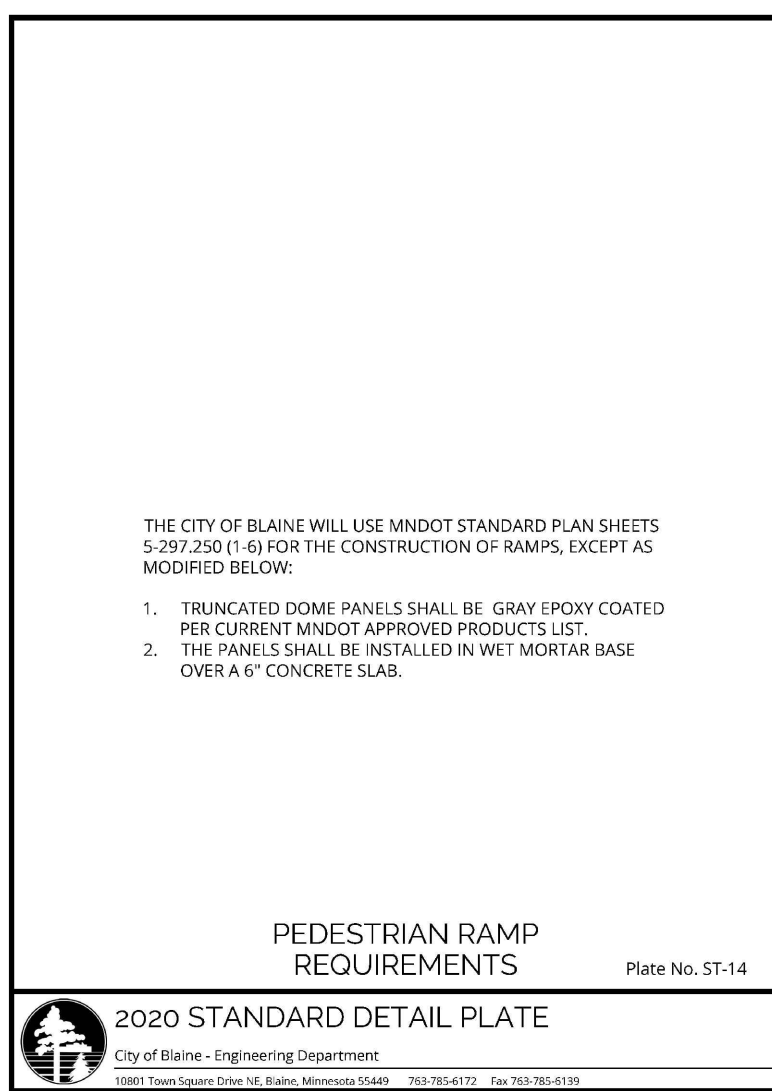
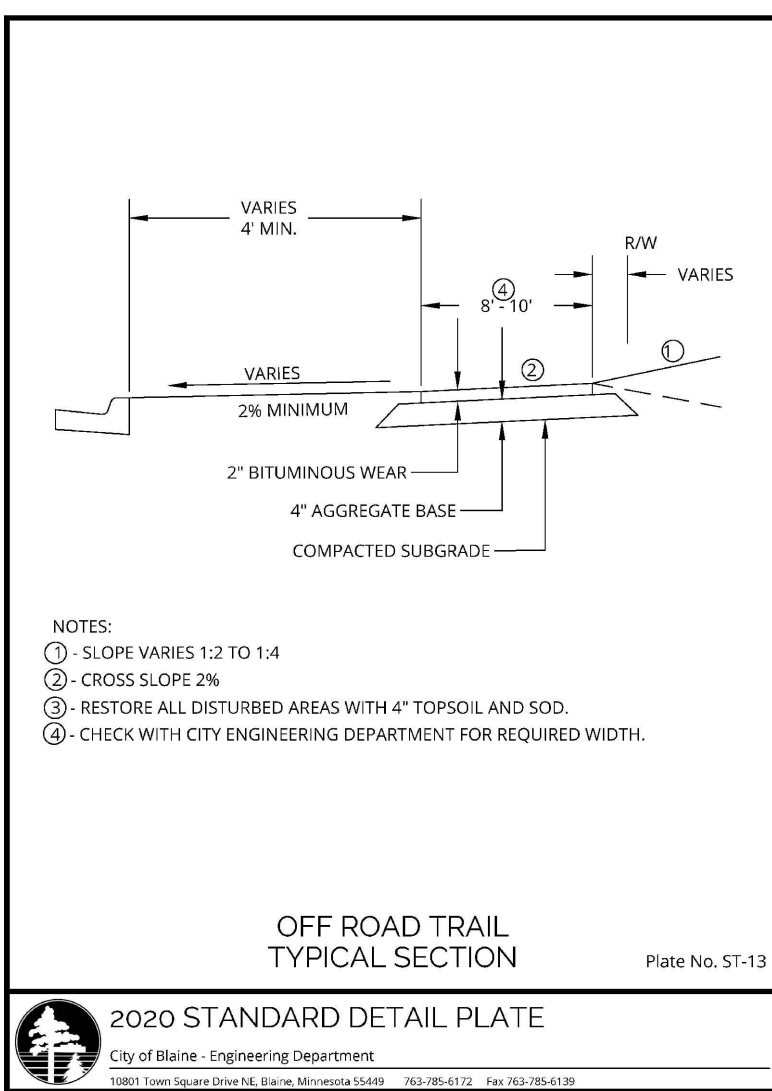
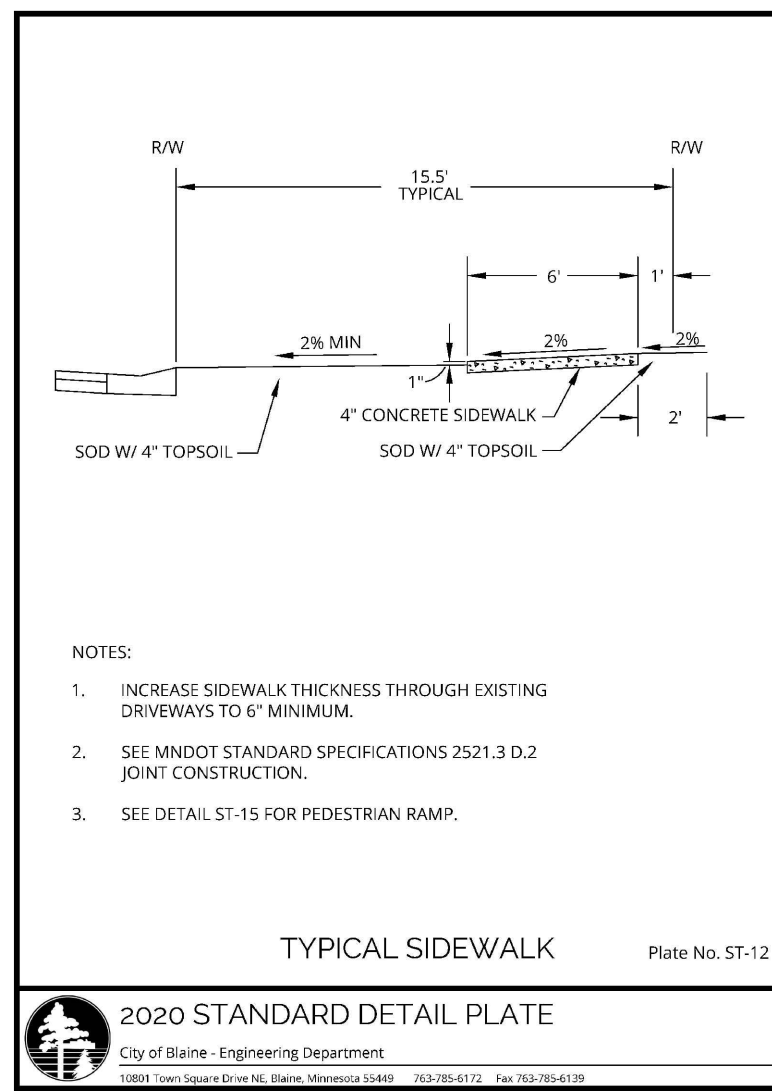
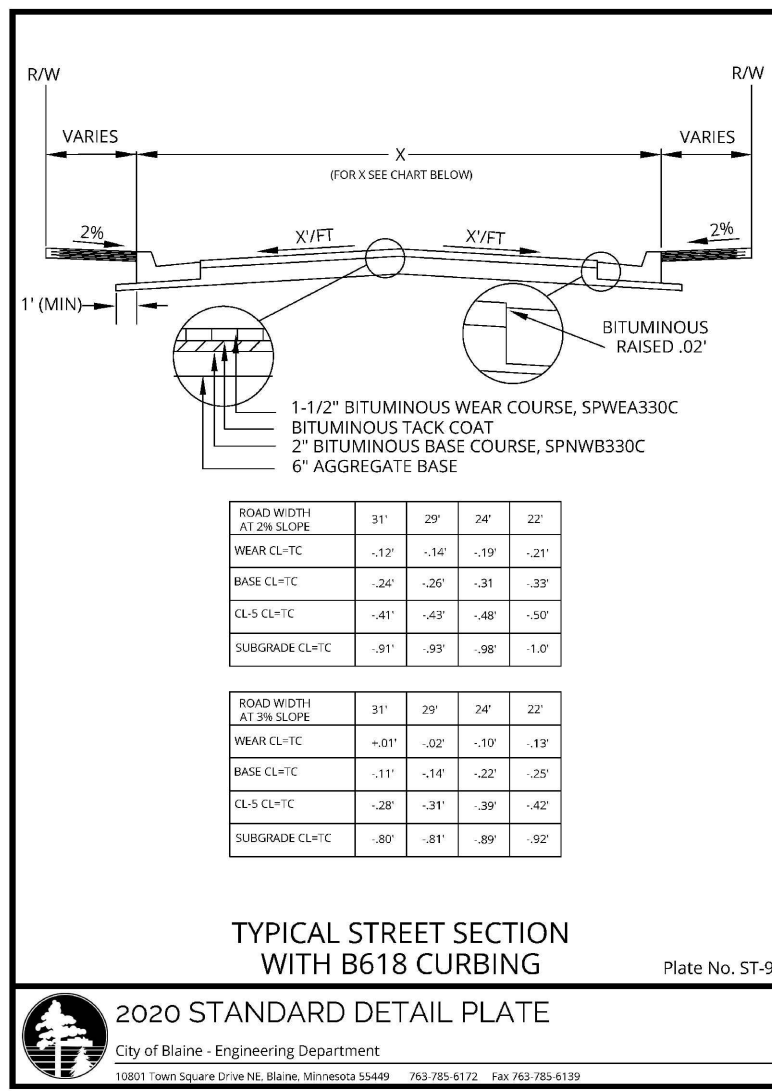
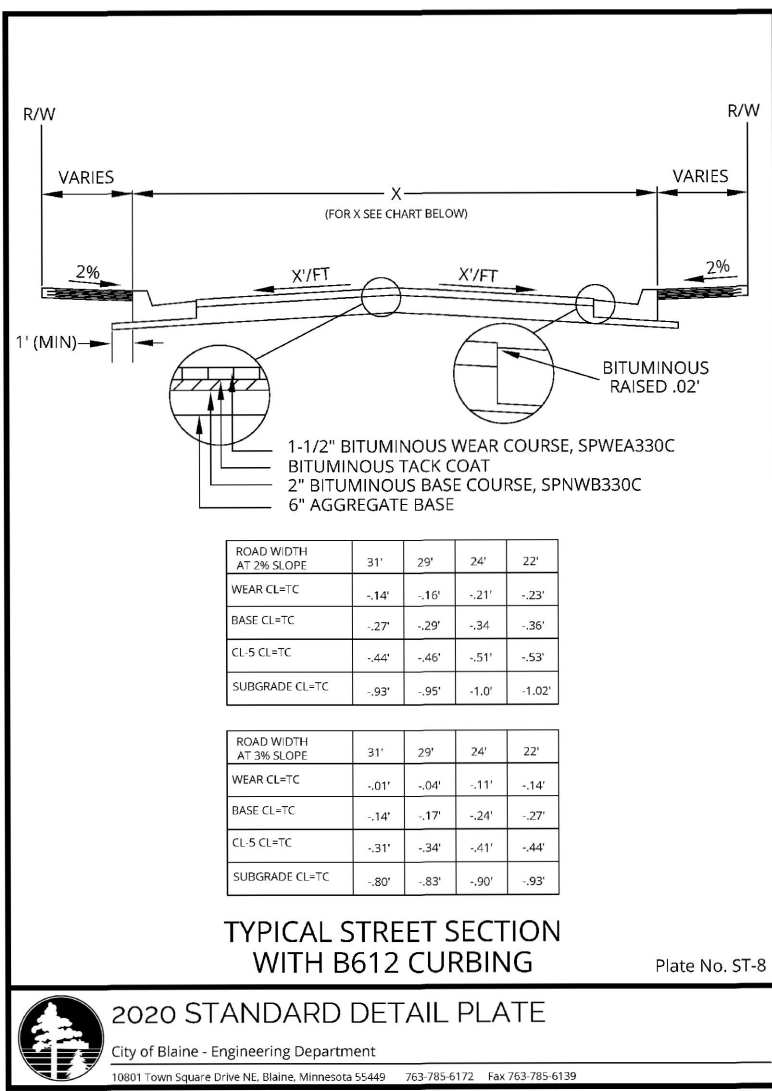
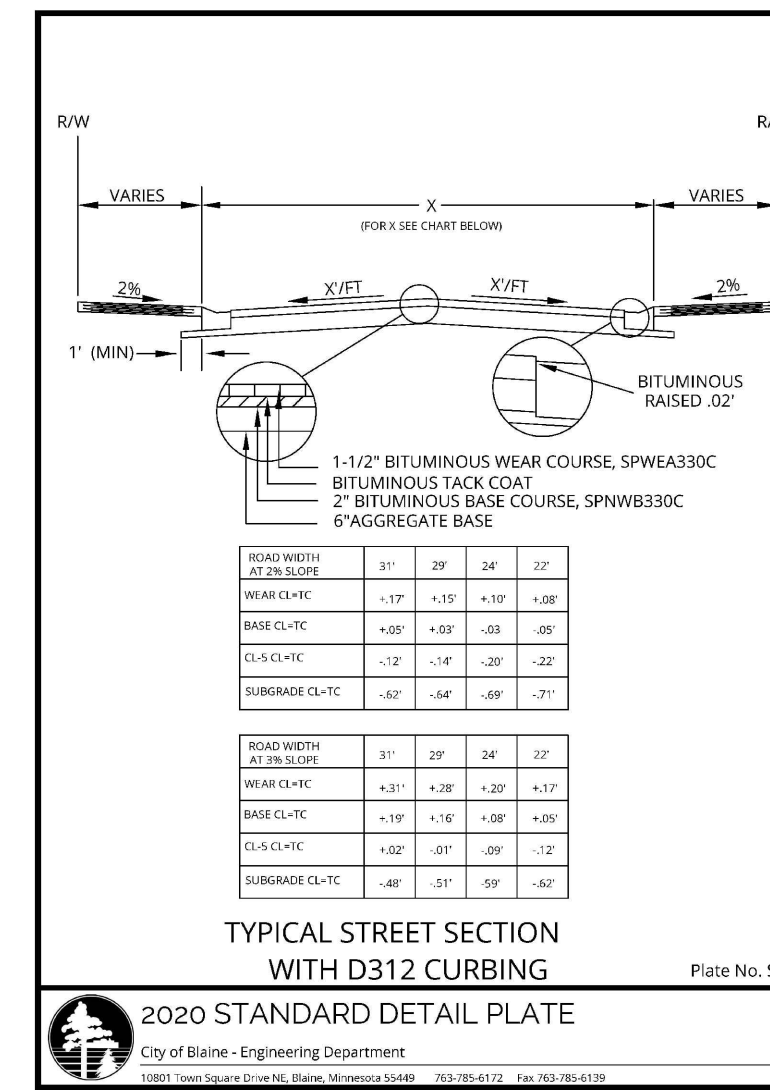
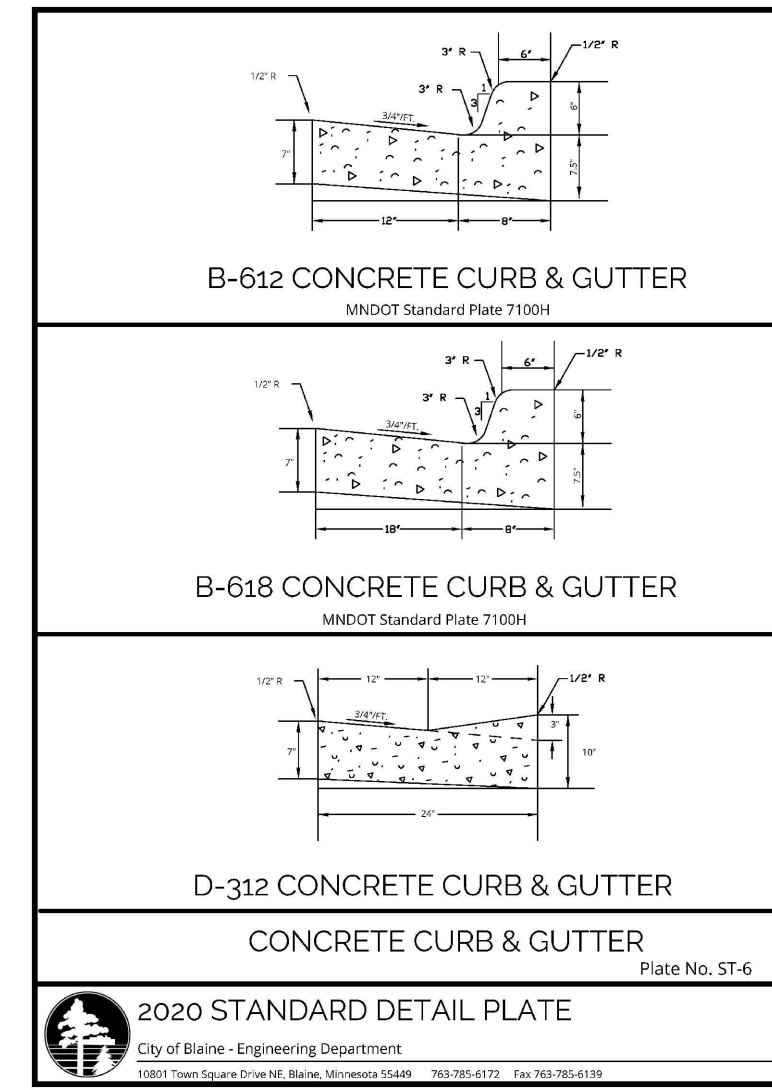
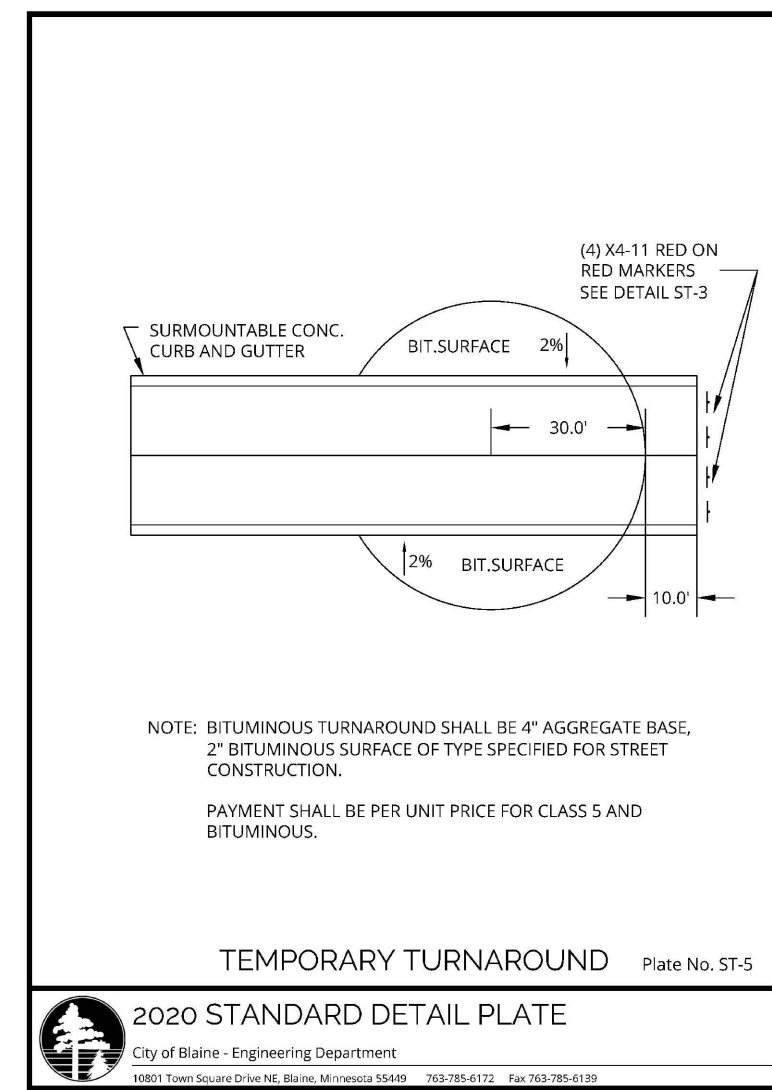
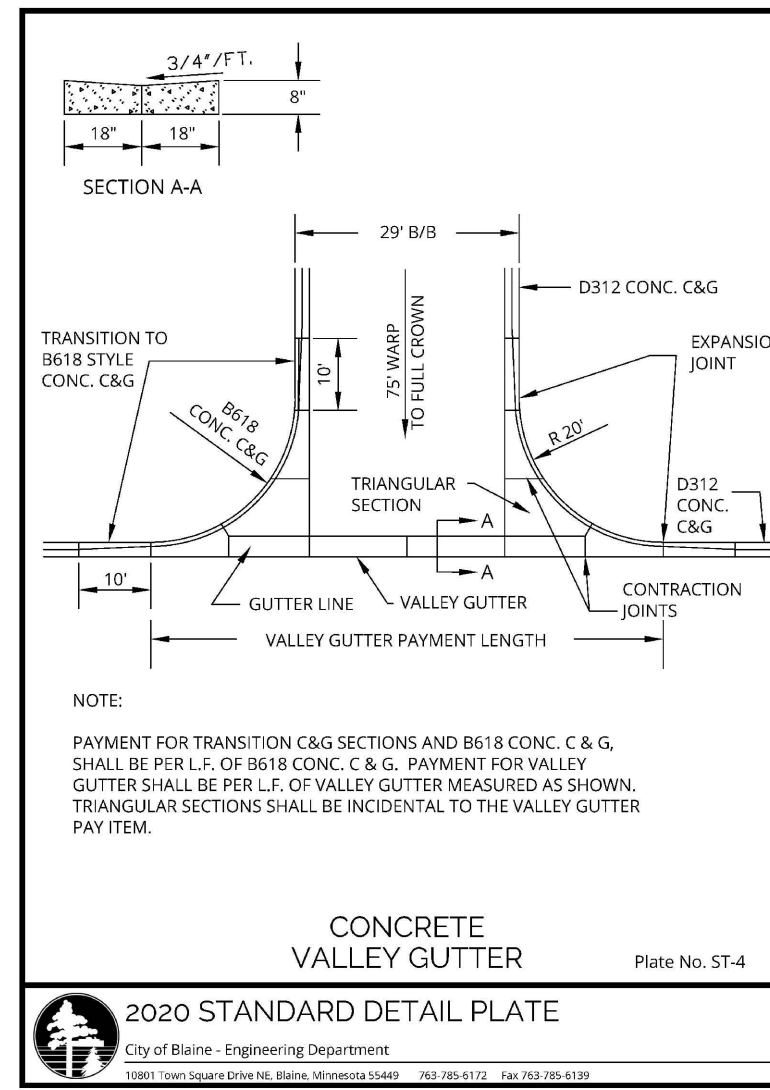
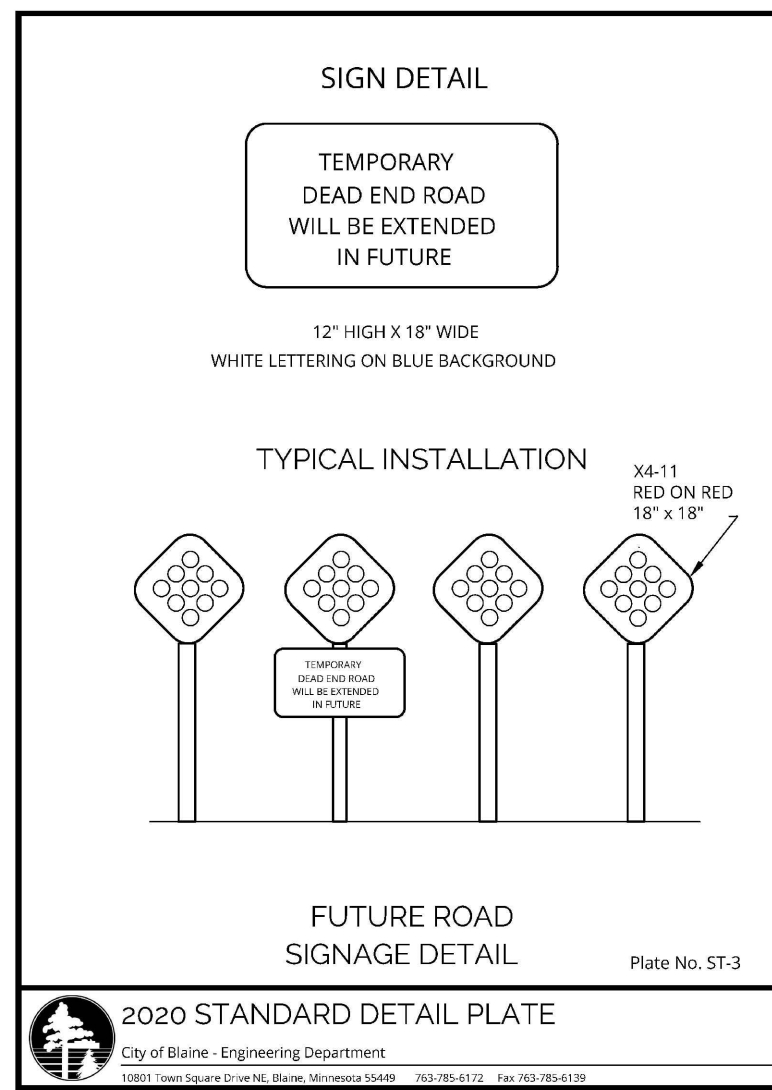
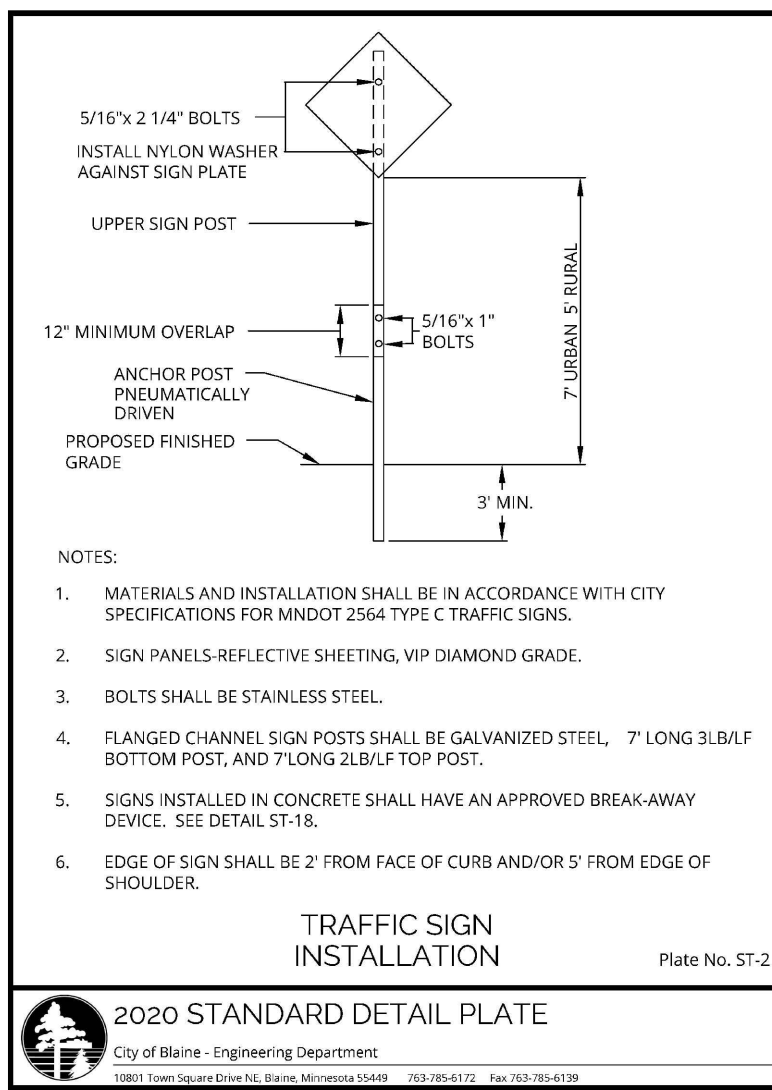
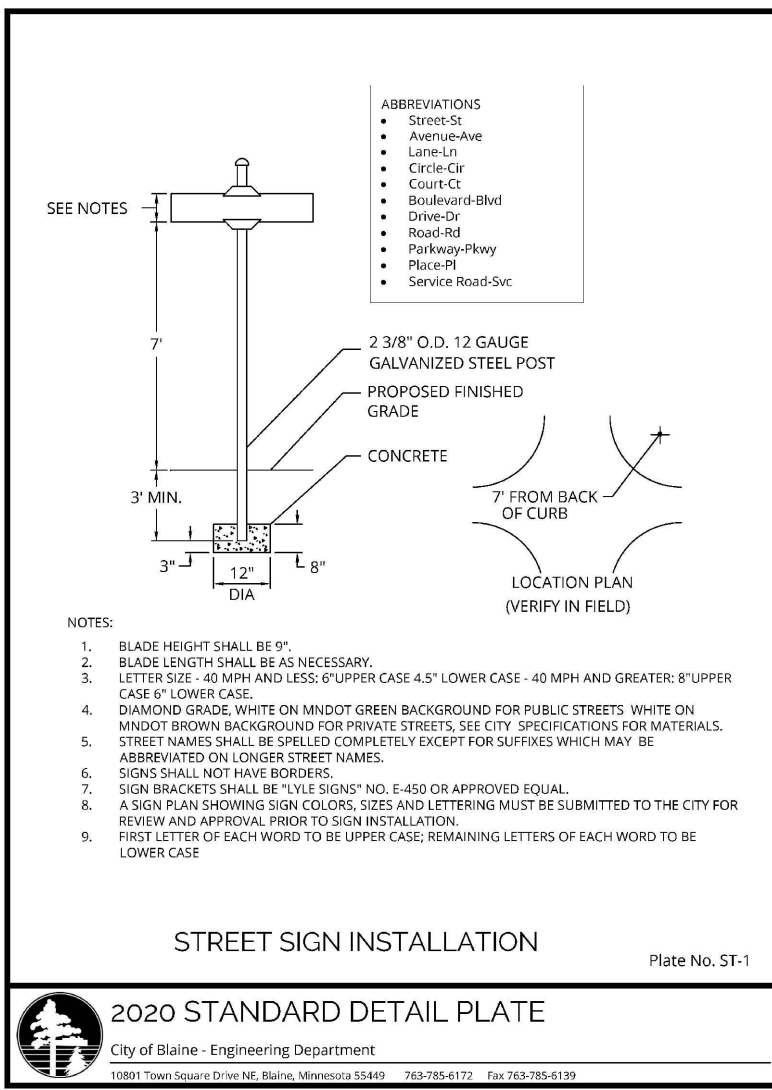
Revisions:

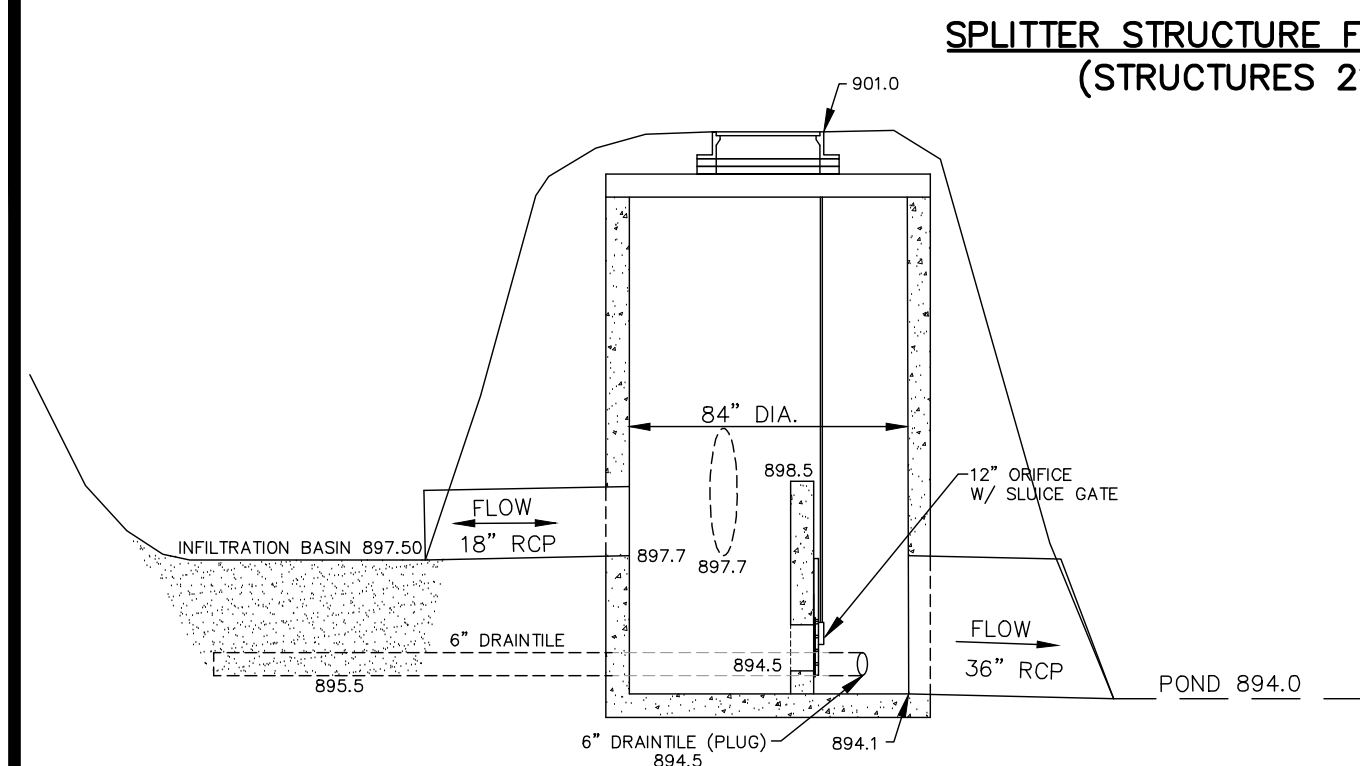
WELLINGTON MANAGEMENT, INC.
1625 Energy Park Drive, #100
St. Paul, MN 55108

NORTH MEADOWS 1ST ADDITION
Blaine, Minnesota

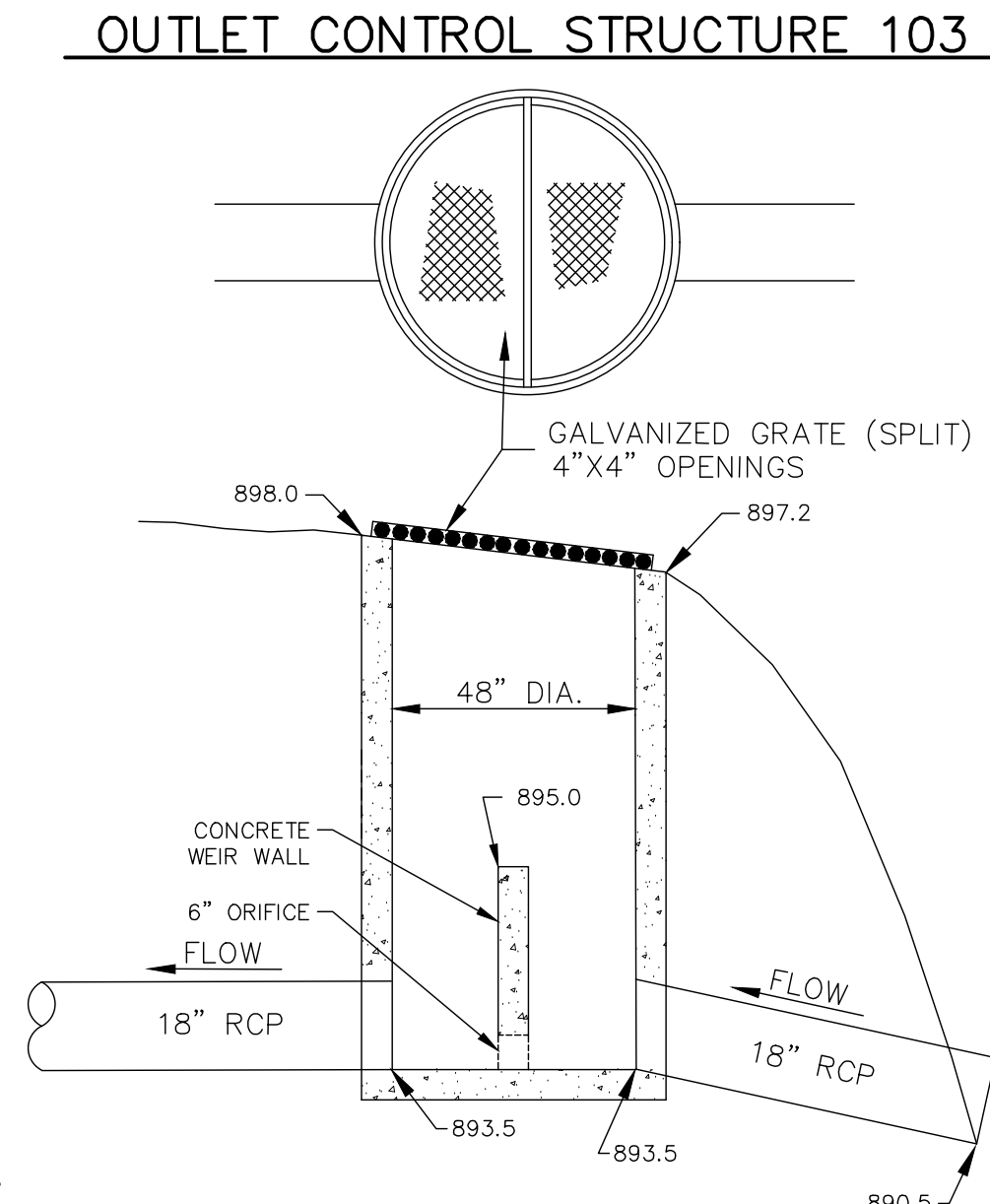
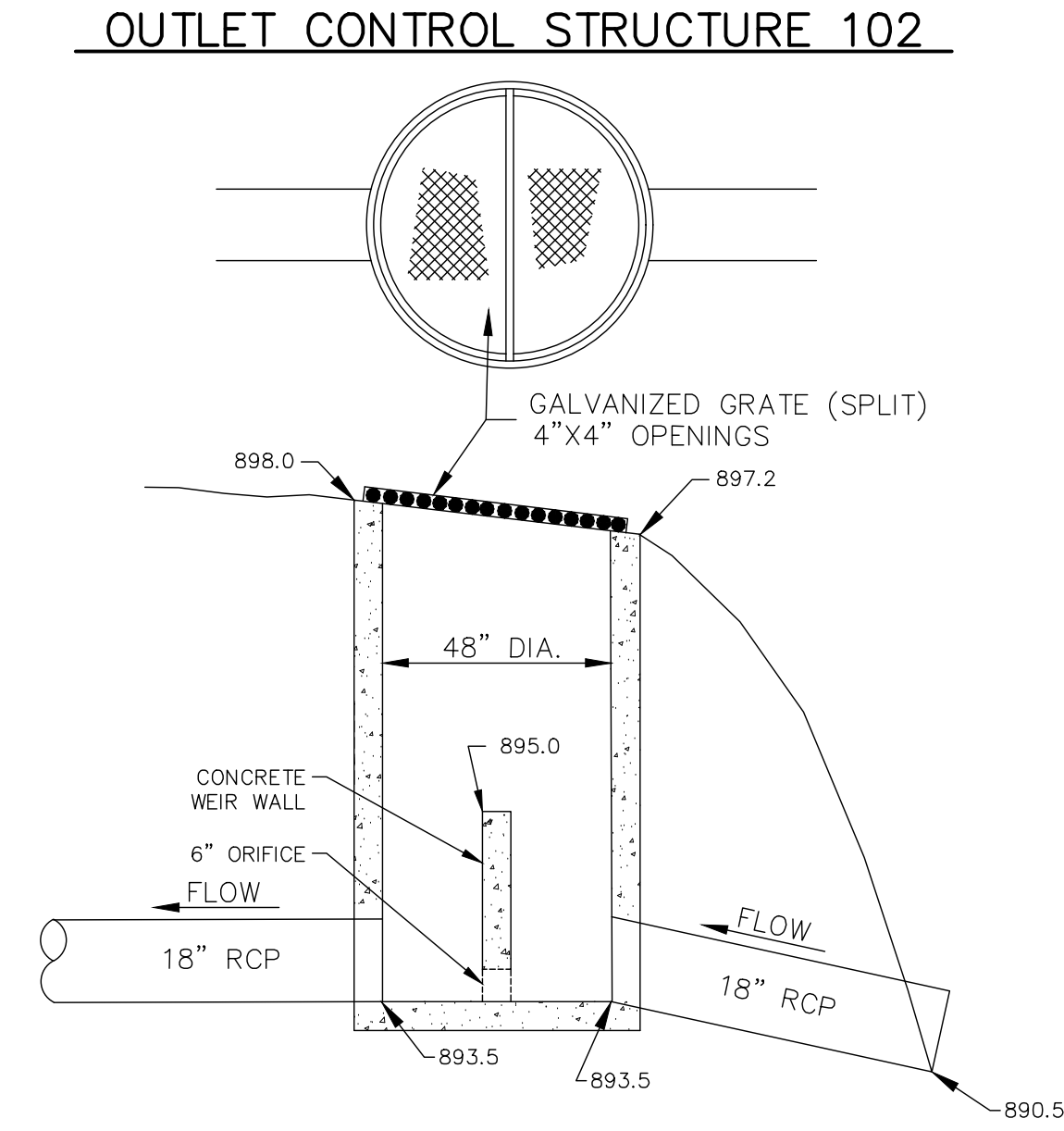
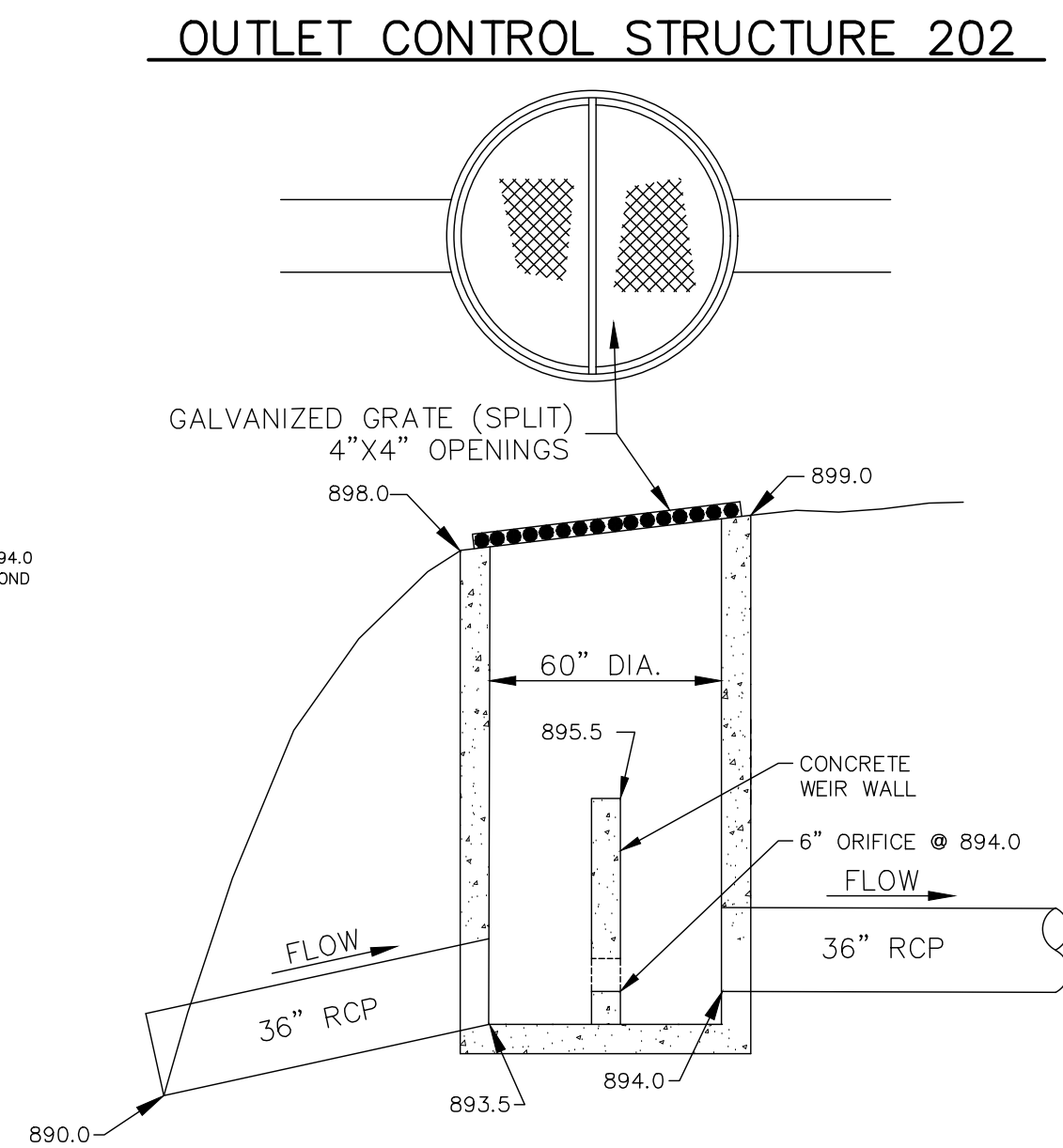
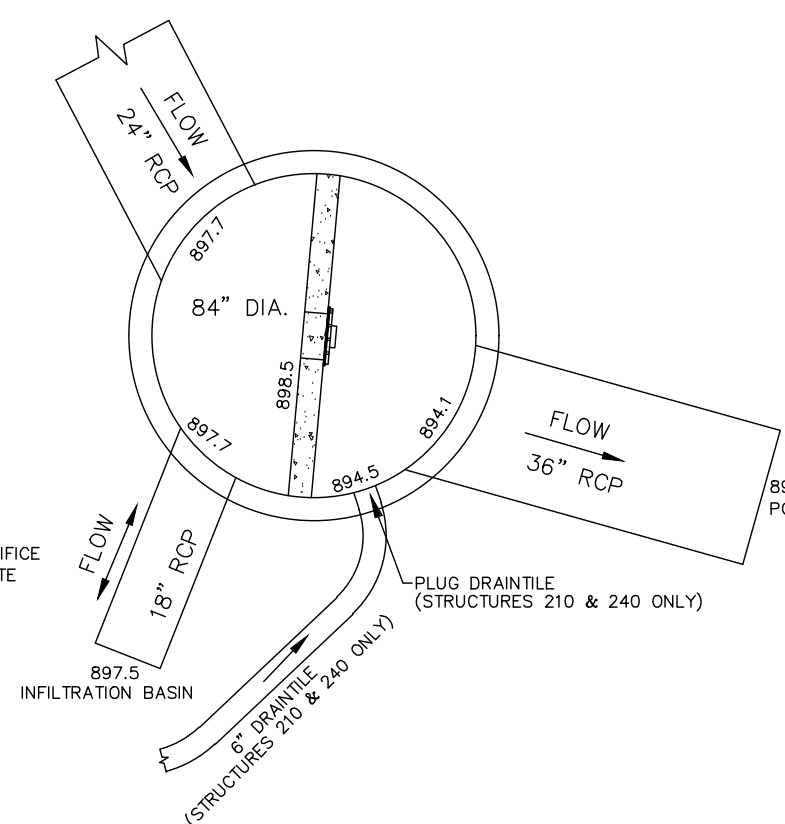
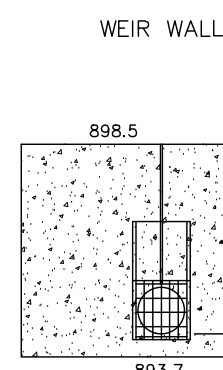
DETAILS

32
of
35

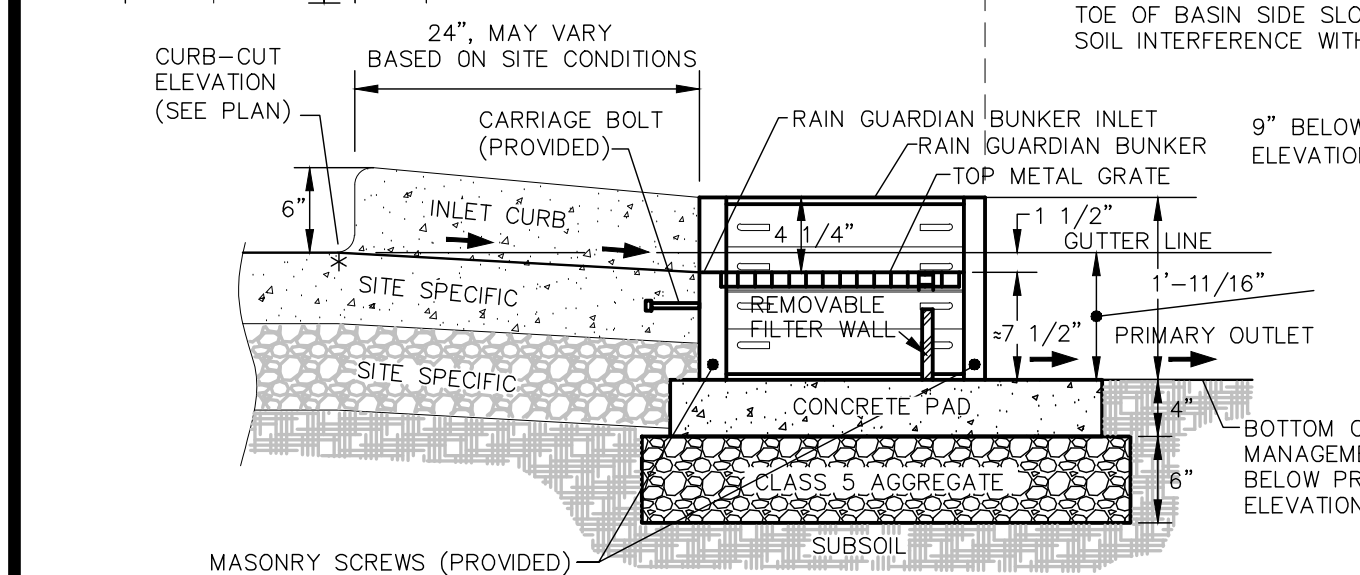
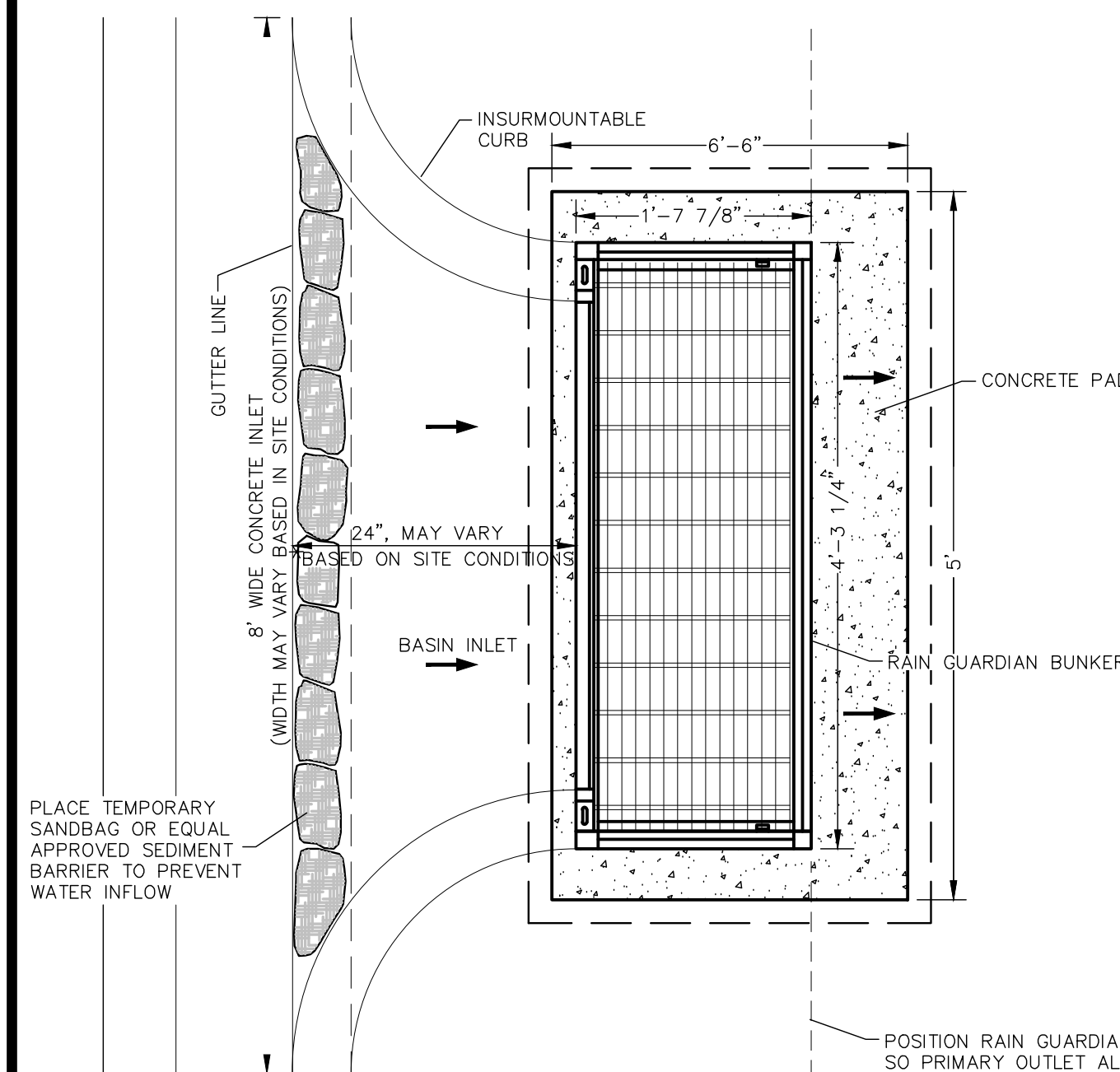




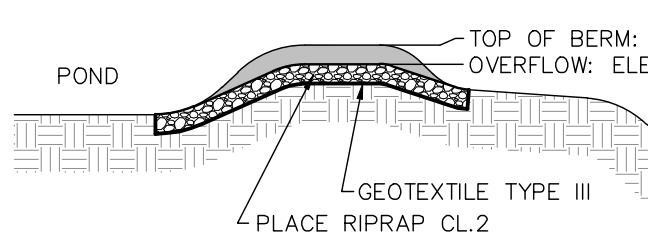
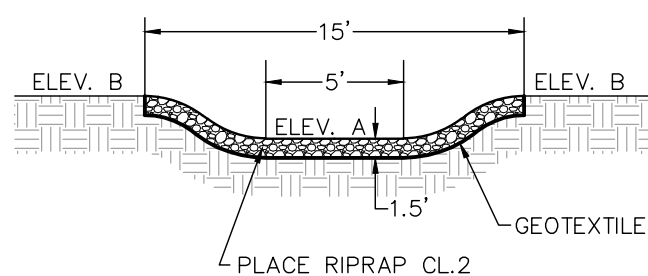
*SLUICE GATE TO BE CLOSED AT ALL TIMES EXCEPT AS NOTED:
 - CITY MAY OPEN DURING PERIODS OF FROZEN CONDITIONS TO PREVENT FREEZE UP OF BASIN
 - CITY MAY OPEN DURING PERIODS WHERE MAINTENANCE IS BEING PERFORMED ON THE BASINS.
 **DRAINILE PLUG TO BE REMOVED IF BASIN DOESN'T DRAIN WITHIN 48 HOURS



RAIN GUARDIAN DETAIL

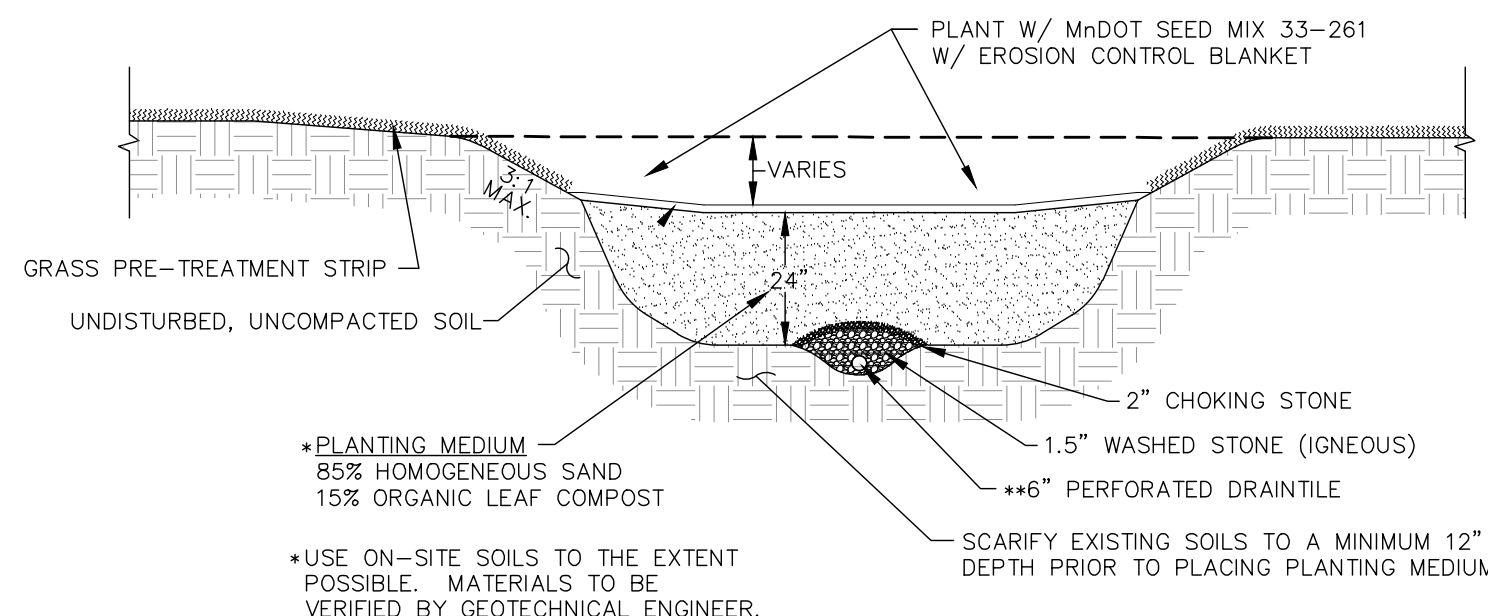


EMERGENCY SPILLWAY



BASIN	ELEV. A	ELEV. B
POND 102	897.5	898.0
POND 103	897.5	898.0
POND 203	899.0	900.0
POND 204	899.0	900.0
POND 205	898.0	899.0
POND 206	898.0	899.0

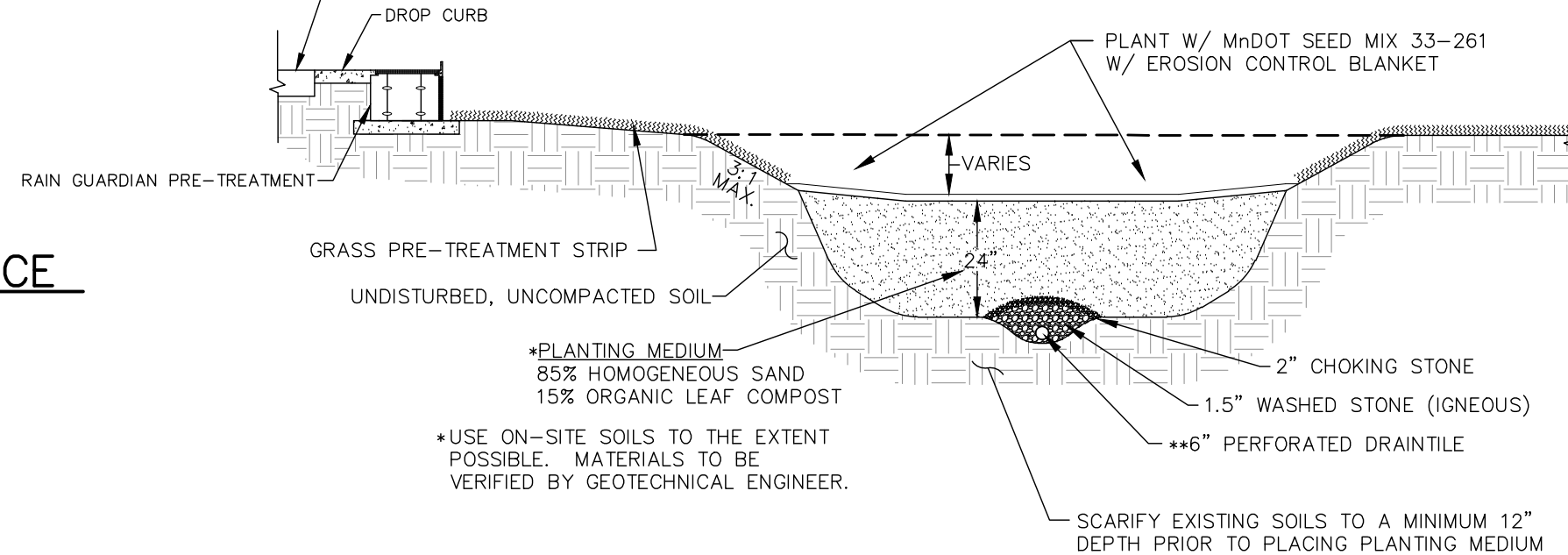
INFILTRATION BASIN



*PLANTING MEDIUM
 85% HOMOGENEOUS SAND
 15% ORGANIC LEAF COMPOST
 **USE ON-SITE SOILS TO THE EXTENT POSSIBLE. MATERIALS TO BE VERIFIED BY GEOTECHNICAL ENGINEER.

**DRAINILE PLUG TO BE REMOVED FROM STRUCTURES 119, 121 & 122 IF BASIN DOESN'T DRAIN WITHIN 48 HOURS

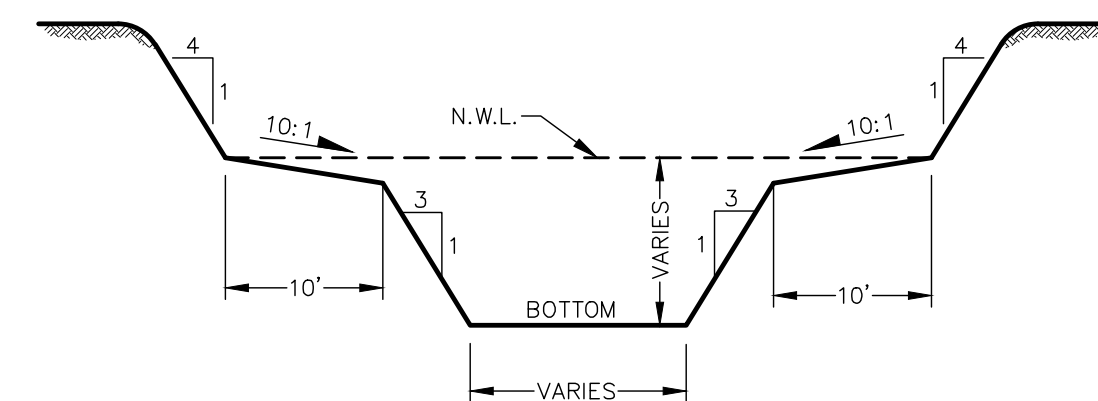
INFILTRATION BASIN W/RAIN GUARDIAN



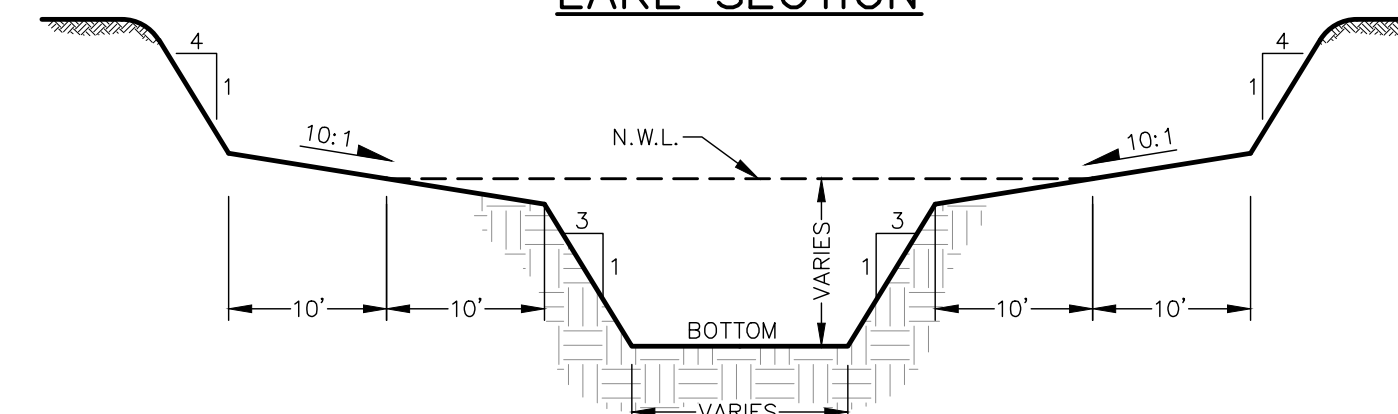
*PLANTING MEDIUM
 85% HOMOGENEOUS SAND
 15% ORGANIC LEAF COMPOST
 **USE ON-SITE SOILS TO THE EXTENT POSSIBLE. MATERIALS TO BE VERIFIED BY GEOTECHNICAL ENGINEER.

**DRAINILE PLUG TO BE REMOVED FROM STRUCTURE 107 IF BASIN DOESN'T DRAIN WITHIN 48 HOURS

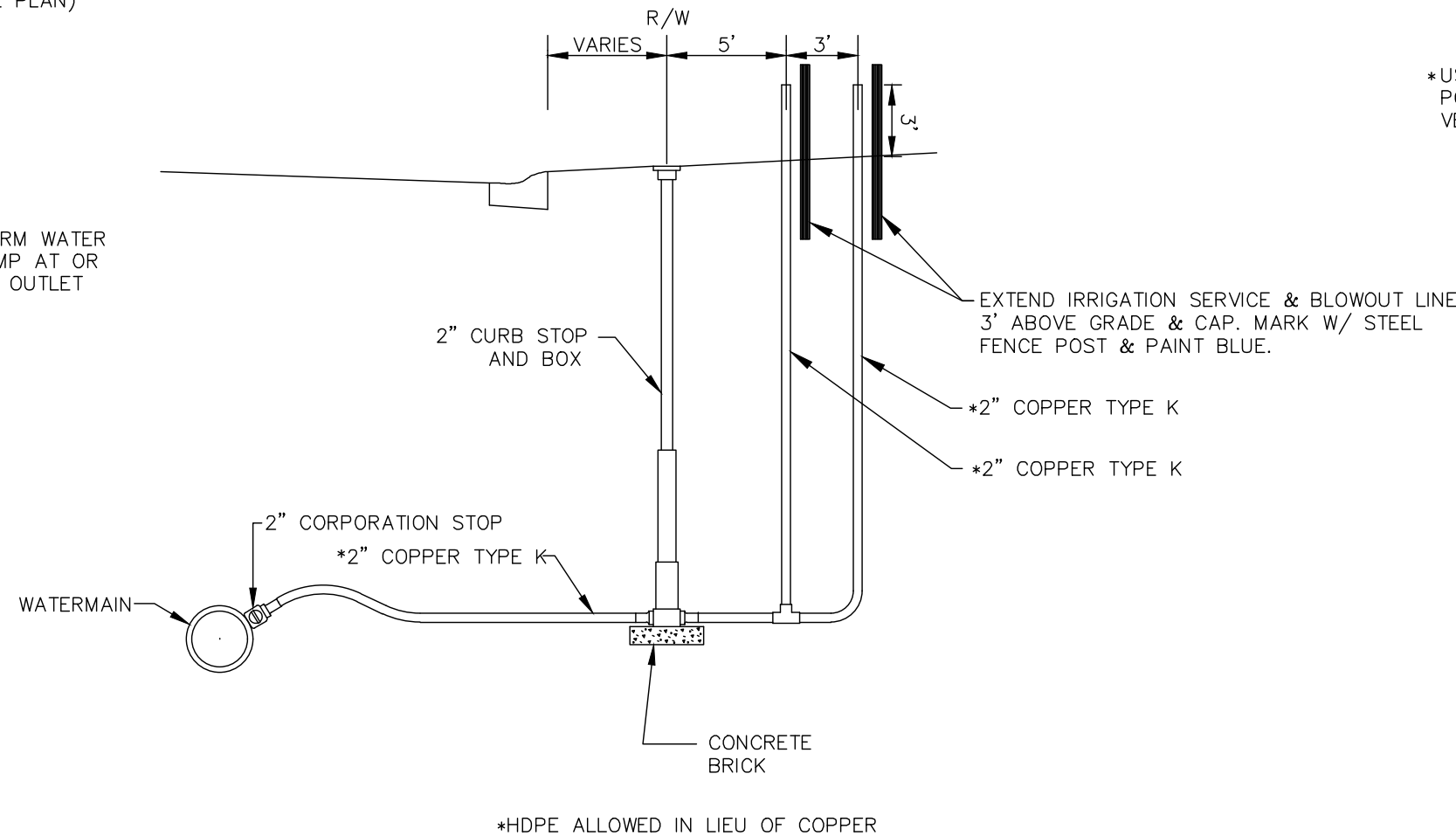
TYPICAL POND SECTION



LAKE SECTION

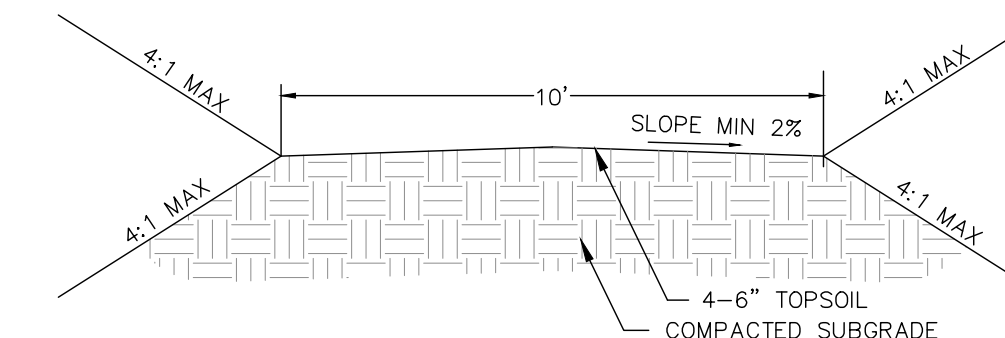


TYPICAL IRRIGATION SERVICE (NOT TO SCALE)



*HDPE ALLOWED IN LIEU OF COPPER

MAINTENANCE ACCESS

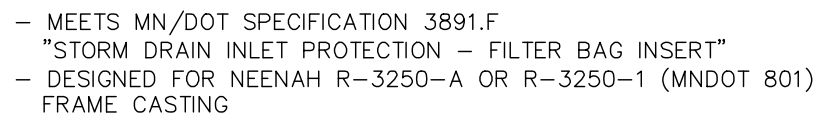


AS MANUFACTURED BY ROYAL ENVIRONMENTAL SYSTEMS



- MEETS MN/DOT SPECIFICATION 3891.F
- "STORM DRAIN INLET PROTECTION - FILTER BAG INSERT"
- DESIGNED FOR NEENAH R-3067 OR R-3290 SERIES

AS MANUFACTURED BY ROYAL ENVIRONMENTAL SERVICES



- MEETS MN/DOT SPECIFICATION 3891.F
- "STORM DRAIN INLET PROTECTION - FILTER BAG INSERT"
- DESIGNED FOR NEENAH R-3250-A OR R-3250-1 (MNDOT 801)
- FRAME CASTING

TURF ESTABLISHMENT SHALL APPLY TO ALL DISTURBED AREAS AND SHALL BE ACCORDING TO MnDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION (LATEST EDITION), EXCEPT AS MODIFIED BELOW.

TURF ESTABLISHMENT SHALL OCCUR AS SOON AS POSSIBLE BUT IN NO CASE MORE THAN 14 DAYS.

TURF ESTABLISHMENT SHALL OCCUR AS SOON AS POSSIBLE BUT IN NO CASE MORE THAN 14 DAYS.

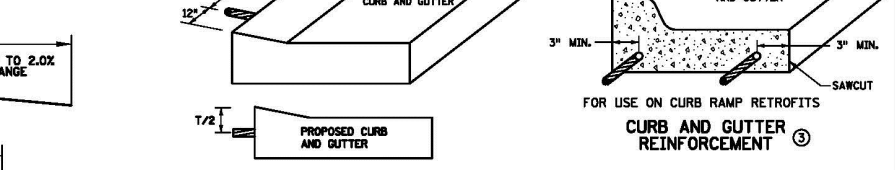
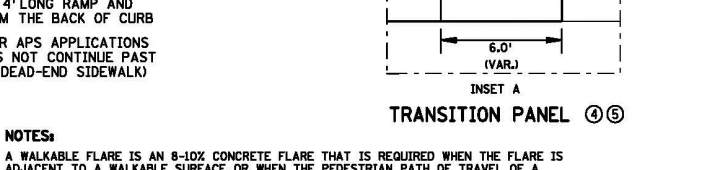
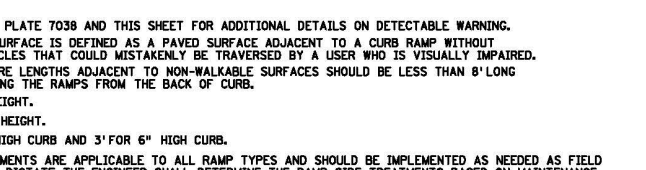
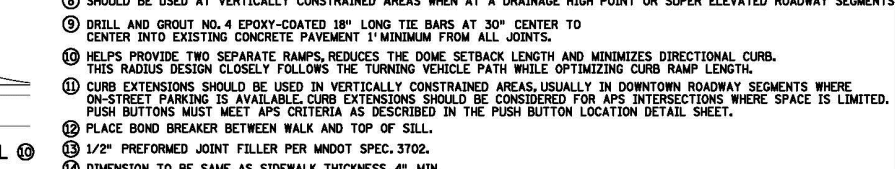
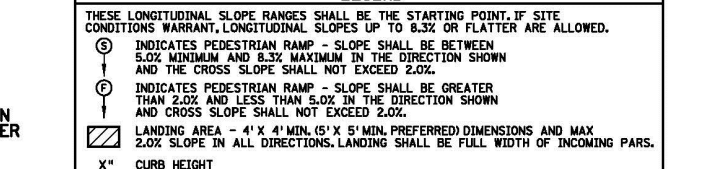
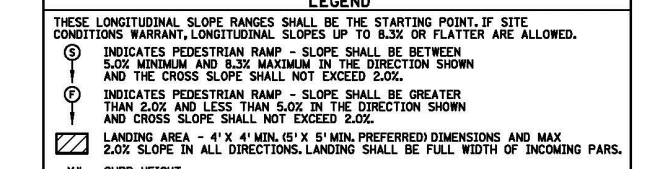
TOPSOIL: MINIMUM OF 6" OF TOPSOIL.

SEED: MnDOT MIXTURE 25-141 AT 60 POUNDS PER ACRE.

DORMANT SEED: SHALL BE APPLIED AT TWICE THE NORMAL RATE AFTER NOVEMBER 1ST.

MULCH: TYPE 1 AT 2 TONS PER ACRE (DISK ANCHORED).

FERTILIZER: TYPE 1 10-10-10 AT 200 POUNDS PER ACRE.



I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota

Print Name: Joseph T. Radach, P.E.
Signature: 
Date: 3/27/2020 License #: 4588

Print Name: Joseph T. Radach, P.E.
Signature: 
Date: 3/27/2020 License #: 4588

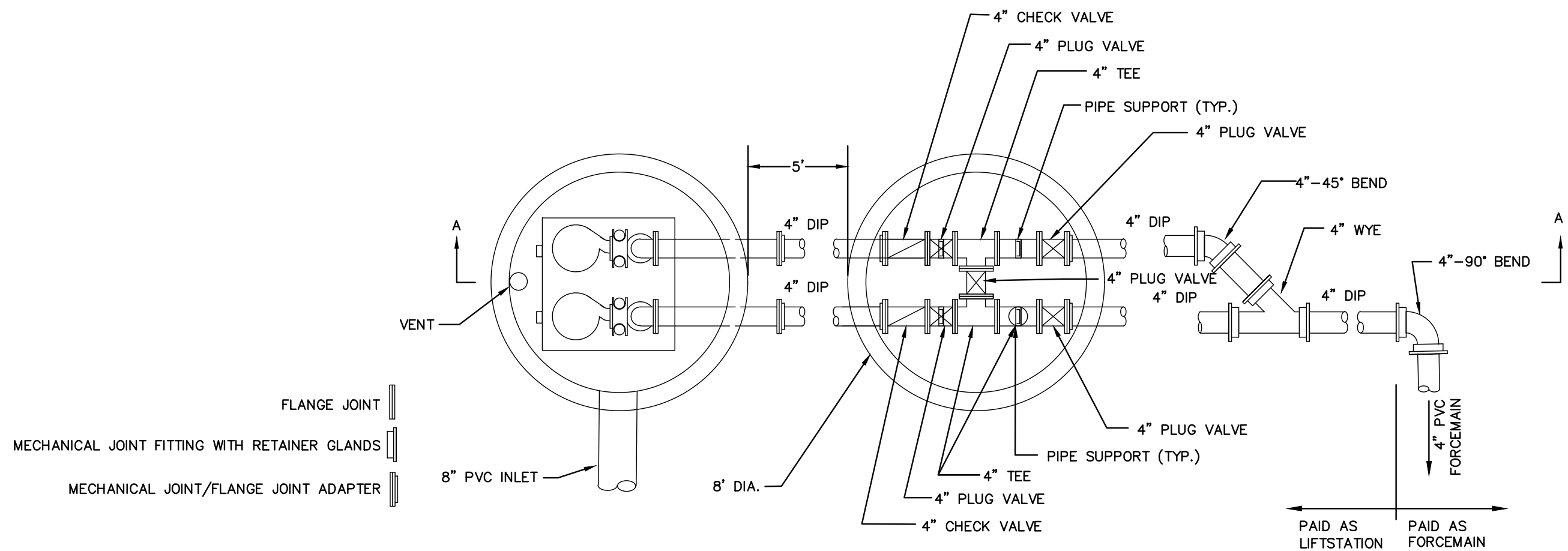
Drawn: KRO
Designed: JTR
Date: 3/27/2020

Revisions:	
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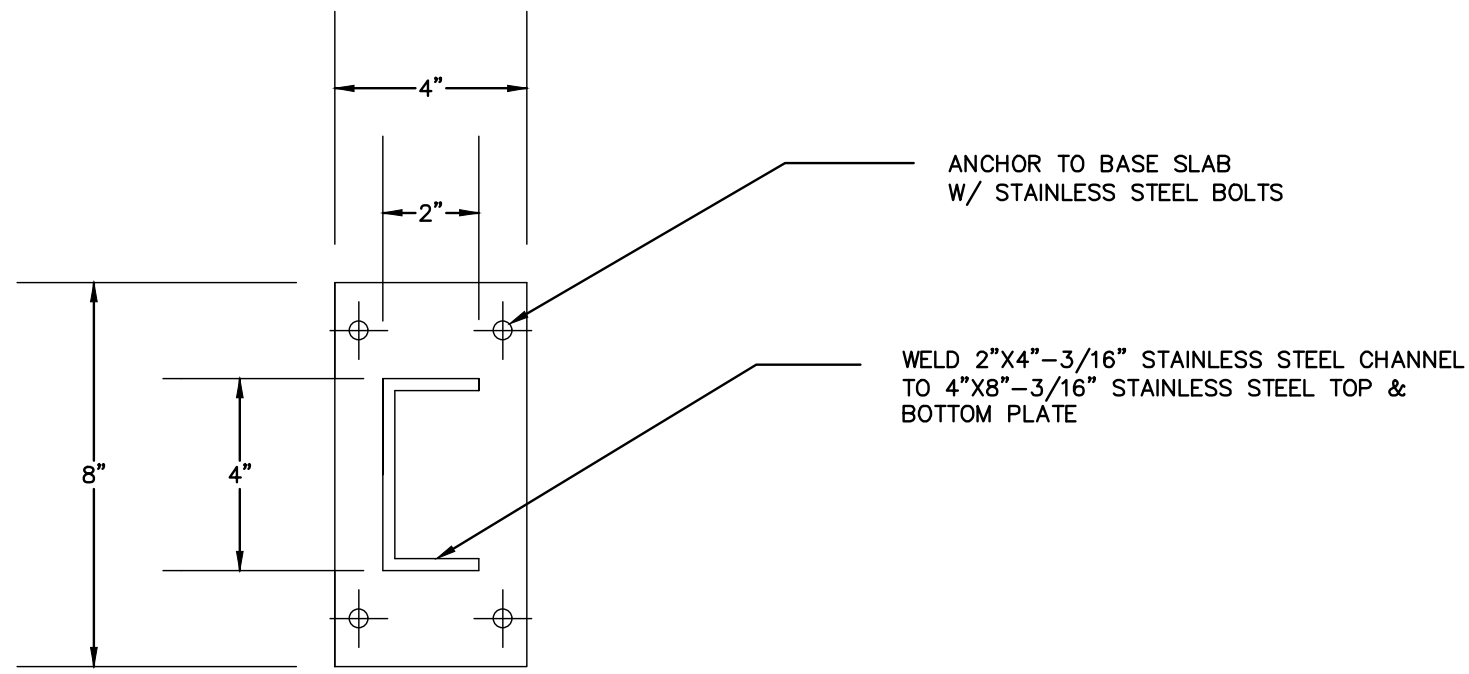
WELLINGTON MANAGEMENT, INC.
1625 Energy Park Drive, #100
St. Paul, MN 55108

NORTH MEADOWS 1ST ADDITION
Blaine, Minnesota

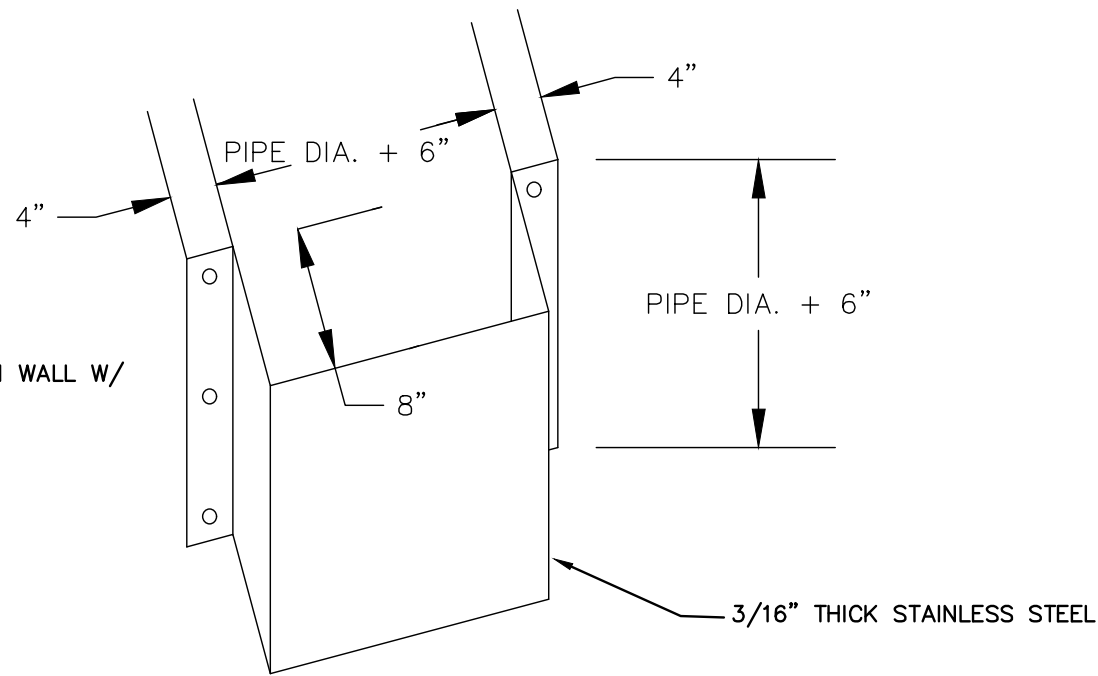
DETAILS



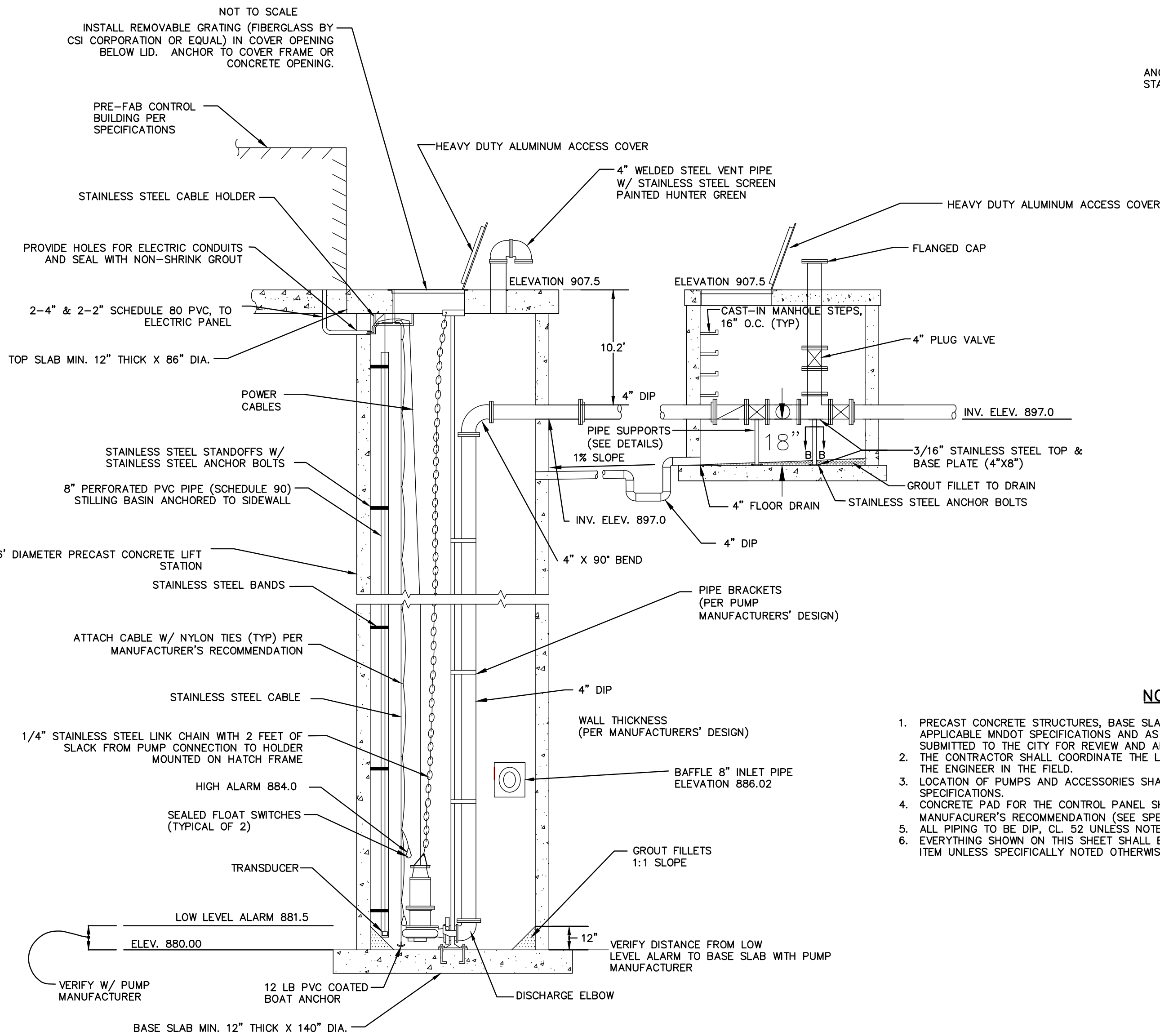
LIFT STATION AND VALVE MANHOLE - PLAN VIEW



SECTION B-B PIPE SUPPORT DETAIL



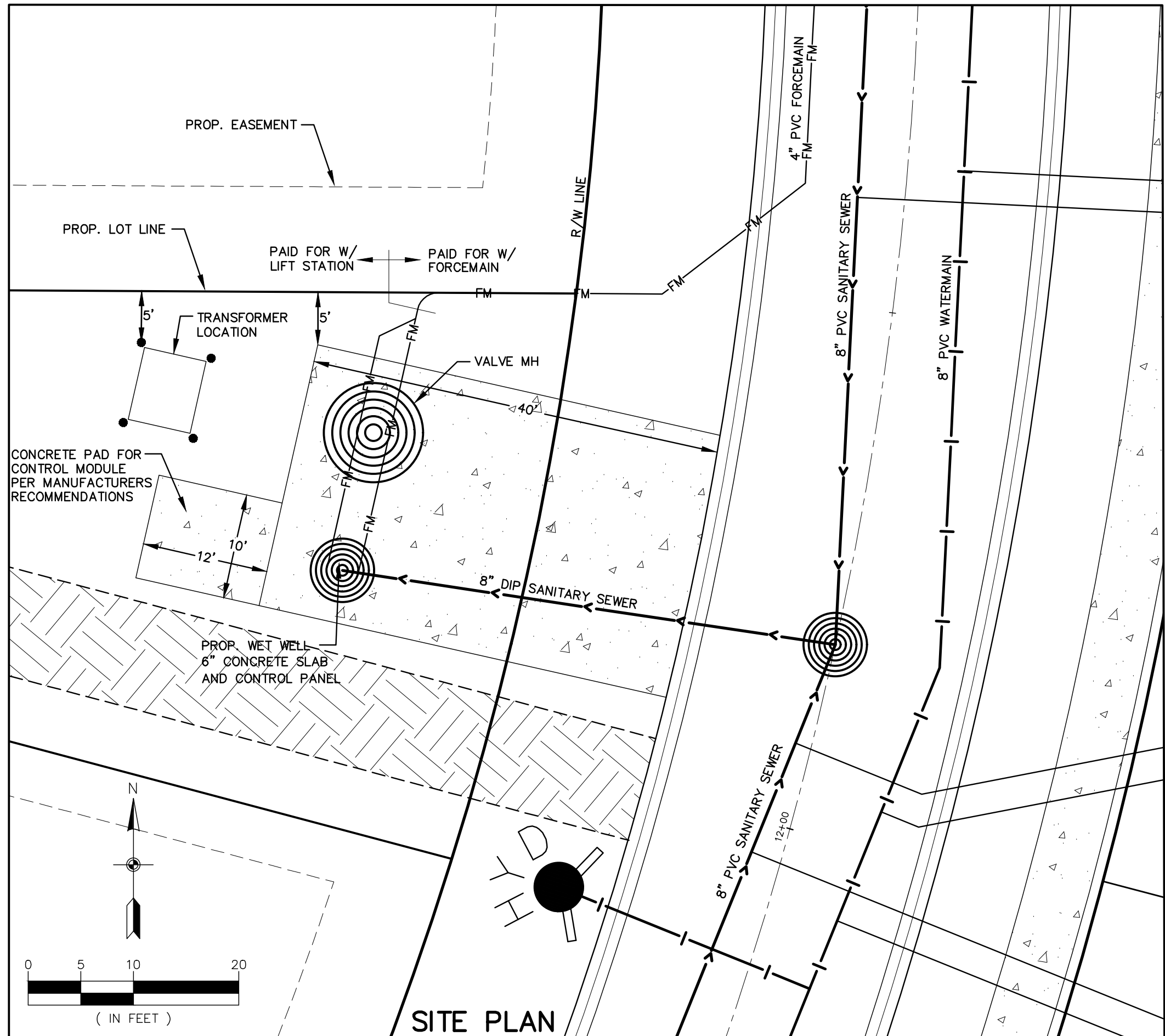
STAINLESS STEEL BAFFLE WITH ANCHORS



SECTION A-A LIFT STATION AND VALVE MANHOLE

NOTES

1. PRECAST CONCRETE STRUCTURES, BASE SLABS AND TOP SLABS SHALL BE CONSTRUCTED ACCORDING TO APPLICABLE MNDOT SPECIFICATIONS AND AS SHOWN. DESIGN OF WETWELL BASE SLAB SHALL BE SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF THE TRANSDUCER AND ALARM FLOATS WITH THE ENGINEER IN THE FIELD.
3. LOCATION OF PUMPS AND ACCESSORIES SHALL BE IN ACCORDANCE TO THE PUMP MANUFACTURER'S SPECIFICATIONS.
4. CONCRETE PAD FOR THE CONTROL PANEL SHALL BE SIZED TO PROVIDE ADEQUATE CLEARANCE TO MEET MANUFACTURER'S RECOMMENDATION (SEE SPEC FOR MINIMUMS).
5. ALL PIPING TO BE DIP, CL. 52 UNLESS NOTED OTHERWISE.
6. EVERYTHING SHOWN ON THIS SHEET SHALL BE CONSIDERED PART OF THE LUMP SUM LIFT STATION BID ITEM UNLESS SPECIFICALLY NOTED OTHERWISE.



SITE PLAN

NORTH MEADOWS

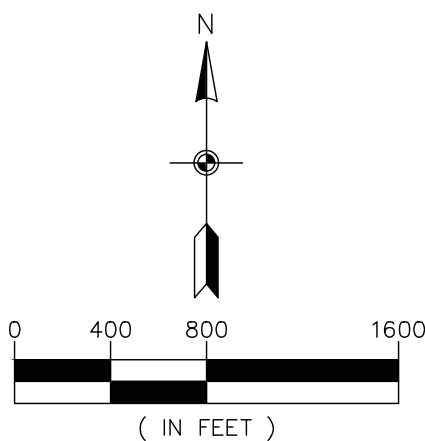
CONSTRUCTION PLANS FOR AUSTIN STREET TURN LANES INCLUDING; GRADING, STORM SEWER, STREETS, SIGNING AND STRIPING BLAINE, MINNESOTA



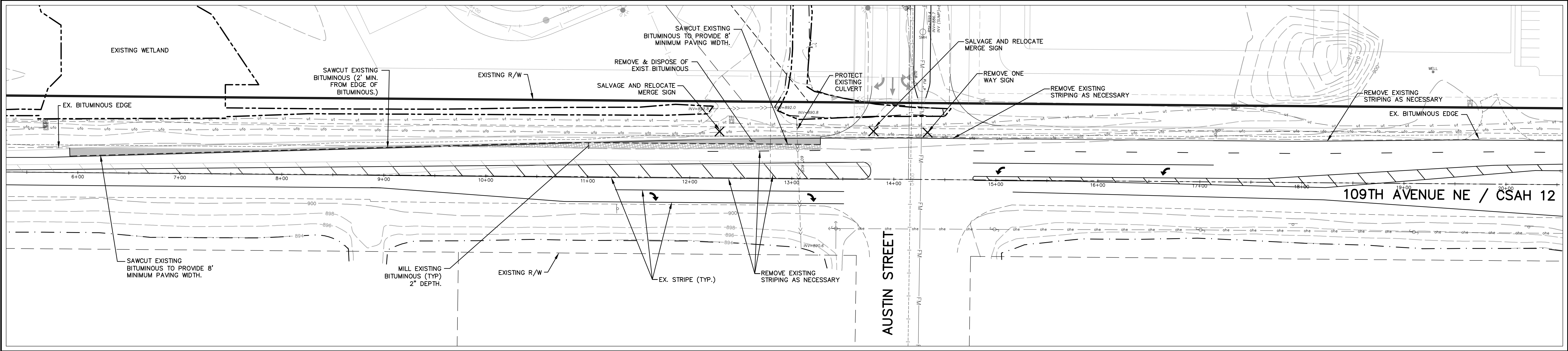
PROJECT LOCATION

SHEET INDEX

- T1. COVER
- T2. REMOVALS
- T3. GRADING, DRAINAGE & EROSION CONTROL PLAN
- T4. SITE & UTILITY PLAN
- T5. SIGNING & STRIPING PLAN
- T6. CROSS SECTIONS
- T7. TRAFFIC CONTROL PLAN



APPROVED: BLAINE CITY ENGINEER	DATE	APPROVED: ANOKA COUNTY ENGINEER	DATE
--------------------------------	------	---------------------------------	------



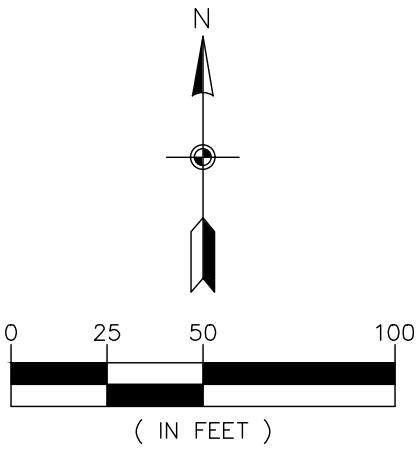
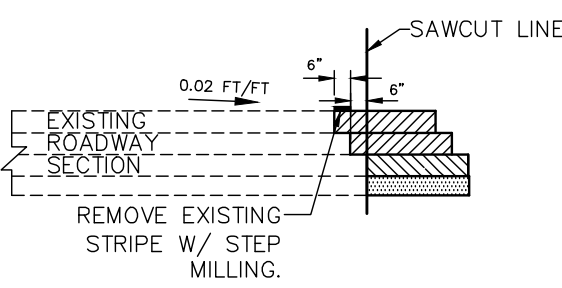
REMOVALS LEGEND

EXISTING	REMOVALS
PROPERTY LINE	---
EASEMENT LINE	---
SAWCUT	---
BITUMINOUS	---
GRAVEL	---
CONCRETE	---
SANITARY SEWER	---
STORM SEWER	---
WATER MAIN	---
OVERHEAD UTILITY	---
UNDERGROUND TELEPHONE	---
UNDERGROUND FIBEROPTIC	---
UNDERGROUND GAS	---
STORM CATCH BASIN	---
SIGN	---
HYDRANT	---
GATE VALVE	---
TELEPHONE BOX	---
UTILITY POLE	---
FENCE	---
GRAVEL EDGE	---
STRIPING	---
5' CONTOUR	---
1' CONTOUR	---
WETLAND LINE	---
SPOT ELEVATION	---
TREE	---

*** CONTRACTOR TO VERIFY UNDERGROUND UTILITIES PRIOR TO COMMENCEMENT OF ANY EXCAVATION.**

COORDINATE WITH UTILITY COMPANIES FOR RELOCATION OF ANY UNDERGROUND UTILITIES UNDER PROPOSED ROAD.

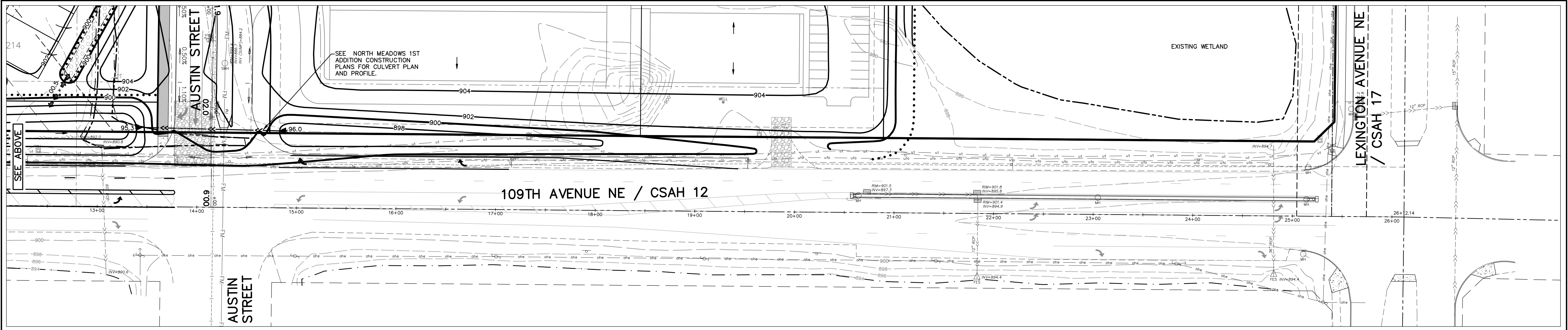
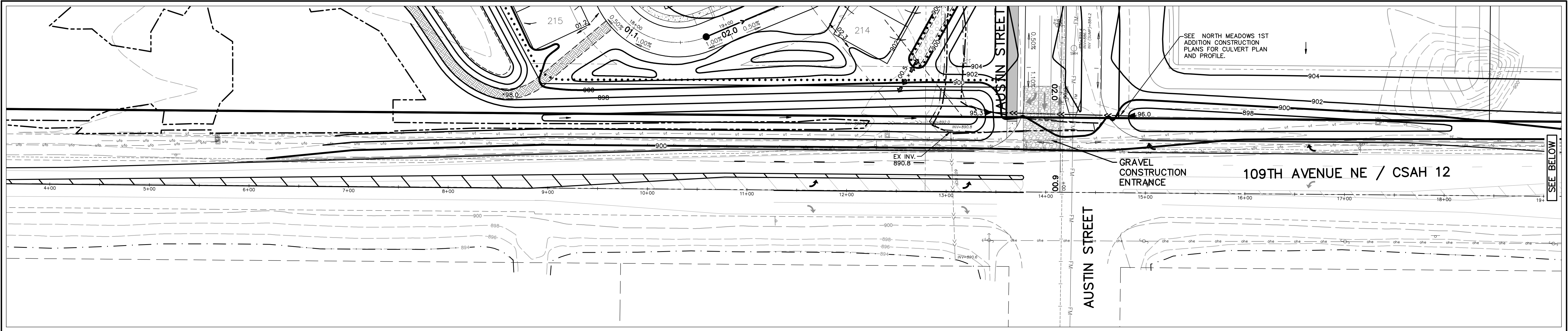
SAWCUT & MILLING DETAIL



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Know what's below.
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GRADING LEGEND		
	EXISTING	PROPOSED
PROPERTY LINE	---	---
EASEMENT LINE	---	---
CURB LINE	---	---
BITUMINOUS	[Pattern]	[Pattern]
CONCRETE	[Pattern]	[Pattern]
SANITARY SEWER	---	---
STORM SEWER	---	---
WATER MAIN	---	---
OVERHEAD UTILITY	---	---
UNDERGROUND TELEPHONE	ut	ut
UNDERGROUND FIBEROPTIC	ufo	ufo
UNDERGROUND GAS	ug	ug
STORM CATCH BASIN	[Symbol]	[Symbol]
STORM MANHOLE	[Symbol]	[Symbol]
HYDRANT	[Symbol]	[Symbol]
GATE VALVE	[Symbol]	[Symbol]
TELEPHONE BOX	[Symbol]	[Symbol]
UTILITY POLE	[Symbol]	[Symbol]
FENCE	x	x
GRAVEL EDGE	---	---
10' CONTOUR	---	---
2' CONTOUR	---	---
WETLAND LINE	---	---
SPOT ELEVATION	00.0	00.0
SIGN	[Symbol]	[Symbol]
TREELINE	---	---
SOIL BORING	TH	TH

* VERIFY GRADES W/EXISTING BITUMINOUS EDGE ELEVATION IN FIELD

TURF ESTABLISHMENT

TURF ESTABLISHMENT SHALL APPLY TO ALL DISTURBED AREAS AND SHALL BE ACCORDING TO MNDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION (LATEST EDITION) EXCEPT AS MODIFIED BELOW.

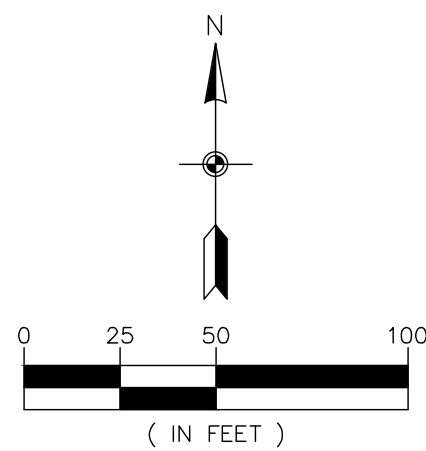
TURF ESTABLISHMENT SHALL OCCUR AS SOON AS POSSIBLE BUT IN NO CASE MORE THAN 7 DAYS.

SEED: MNDOT MIXTURE 25-141 AT 59 POUNDS PER ACRE.

DORMANT SEED: SHALL BE APPLIED AT TWICE THE NORMAL RATE AFTER NOVEMBER 1ST.

MULCH: TYPE 1 AT 2 TONS PER ACRE (DISK ANCHORED).

FERTILIZER: TYPE 1 10-10-10 AT 200 POUNDS PER ACRE.



- environmental
- engineering
- surveying

3890 Pheasant Ridge Drive NE, Suite 100
Blaine, MN 55449
Phone: (763) 489-7900
Fax: (763) 489-7959
www.carlsonmccain.com

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota

Print Name: Joseph T. Radach, P.E.
Signature:
Date: 3/27/2020 License #: 45889

Drawn: KRO
Designed: JTR
Date: 3/27/2020

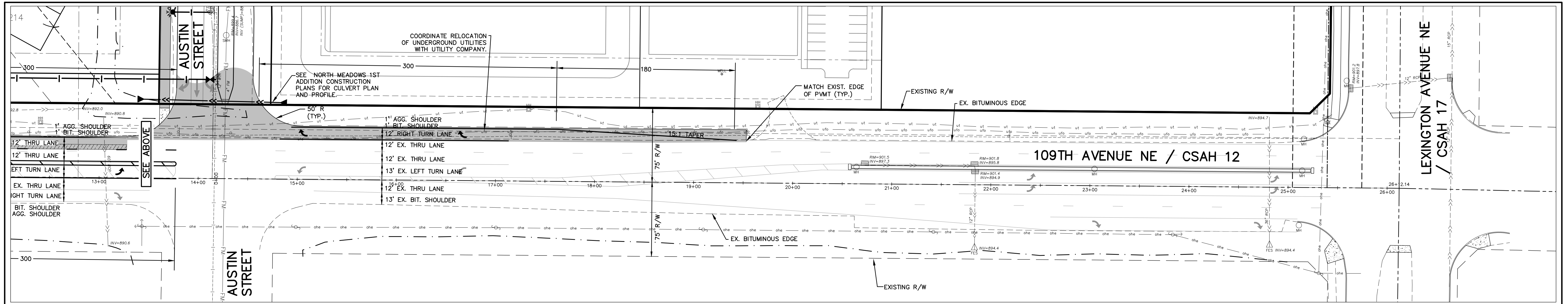
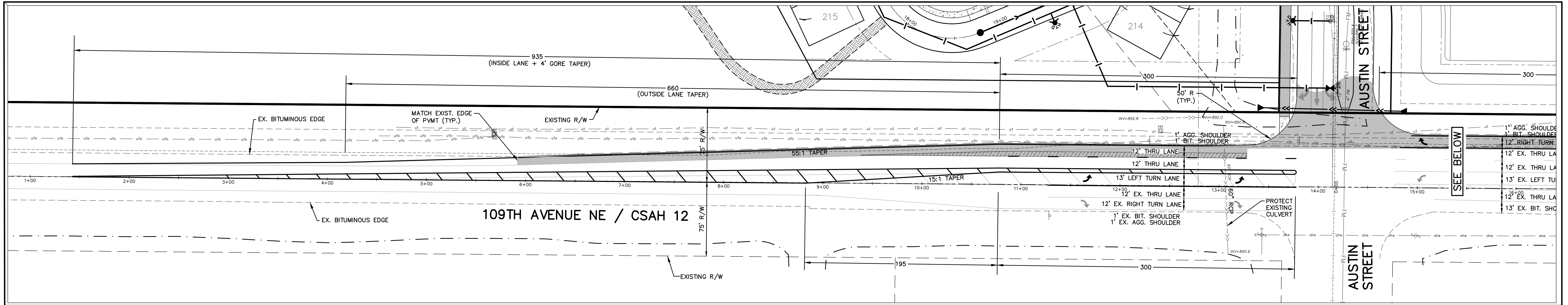
Revisions:
1.

WELLINGTON MANAGEMENT, INC.
1625 Energy Park Drive #100
St. Paul, MN 55108

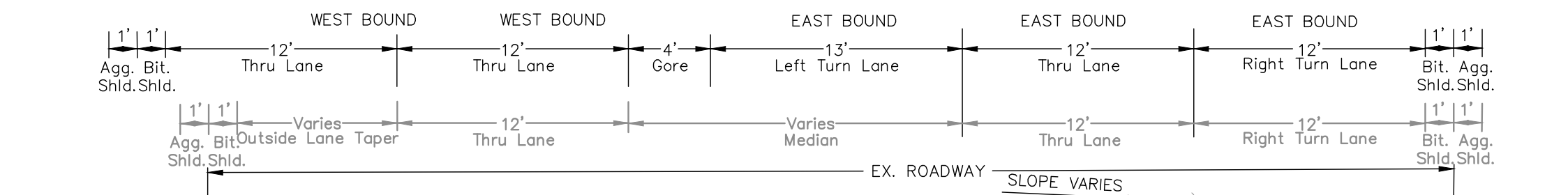
NORTH MEADOWS
Blaine, Minnesota

**GRADING, DRAINAGE &
EROSION CONTROL PLAN**

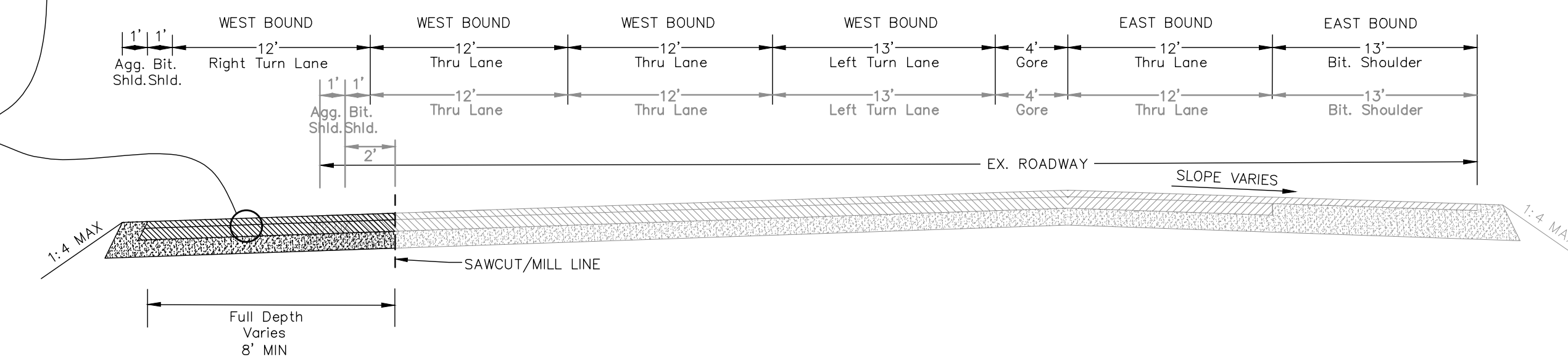
T3
of
T14



TYPICAL LEFT TURN LANE SECTION (EAST BOUND)
NOT TO SCALE



TYPICAL RIGHT TURN LANE SECTION (WEST BOUND)
NOT TO SCALE

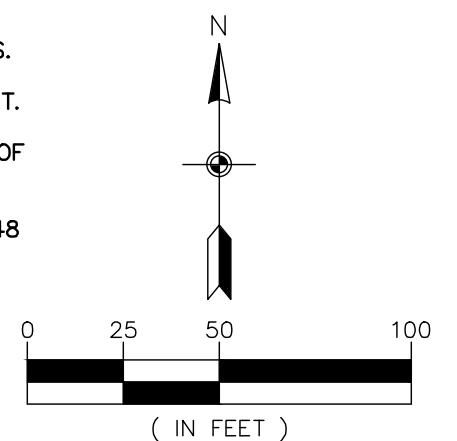


LEGEND

	EXISTING	PROPOSED
PROPERTY LINE	---	---
EASEMENT LINE	---	---
CURB LINE	---	---
BITUMINOUS	---	---
GRAVEL	---	---
CONCRETE	---	---
SANITARY SEWER	---	---
STORM SEWER	---	---
WATER MAIN	---	---
OVERHEAD UTILITY	---	---
UNDERGROUND TELEPHONE	---	---
UNDERGROUND FIBEROPTIC	---	---
UNDERGROUND GAS	---	---
STORM CATCH BASIN	---	---
STORM MANHOLE	---	---
HYDRANT	---	---
GATE VALVE	---	---
TELEPHONE BOX	---	---
UTILITY POLE	---	---
FENCE	---	---
GRAVEL EDGE	---	---
STRIPING	---	---
WETLAND LINE	---	---
SIGN	---	---
TREELINE	---	---

TURN LANE NOTES

- ALL GRADES ARE TO FINISHED PAVEMENT UNLESS OTHERWISE NOTED.
- GOVERNING SPECIFICATIONS SHALL BE THE LATEST EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION"
- ALL TEMPORARY TRAFFIC CONTROL DEVICES AND ALL PERMANENT SIGNING & MARKINGS SHALL CONFORM TO THE MMUTCD, INCLUDING "FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS, 2018"
- CONTRACTOR SHALL NOTIFY ANOKA COUNTY HIGHWAY DEPARTMENT AND SUBMIT A TRAFFIC CONTROL PLAN FOR APPROVAL PRIOR TO PERFORMING ANY WORK WITHIN THE COUNTY RIGHT-OF-WAY.
- CONTRACTOR SHALL REMOVE ALL CONFLICTING PAVEMENT MARKINGS.
- ALL TURN LANE STRIPING SHALL BE COMPLETED USING EPOXY PAINT.
- CONTRACTOR SHALL COORDINATE WORK AROUND AND RELOCATION OF SMALL UTILITIES.
- CONTRACTOR TO CONTACT ANOKA COUNTY HIGHWAY DEPARTMENT 48 HOURS BEFORE STRIPING CONSTRUCTION.



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- surveying

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Blaine, MN 55449
Phone: (763) 489-7900
Fax: (763) 489-7959
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I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota

Print Name: Joseph T. Radach, P.E.
Signature:
Date: 3/27/2020 License #: 45889

Drawn: KRO
Designed: JTR
Date: 3/27/2020

Revisions:

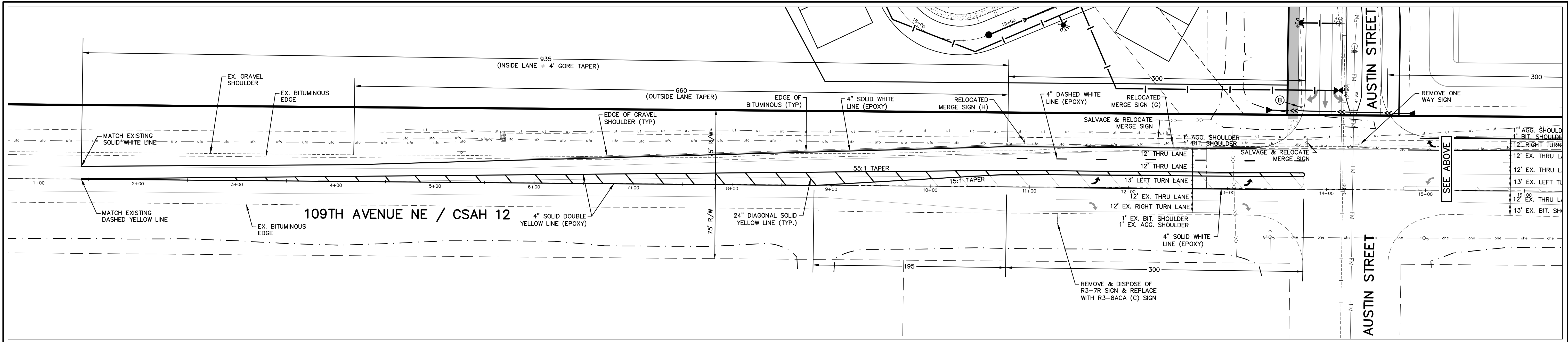
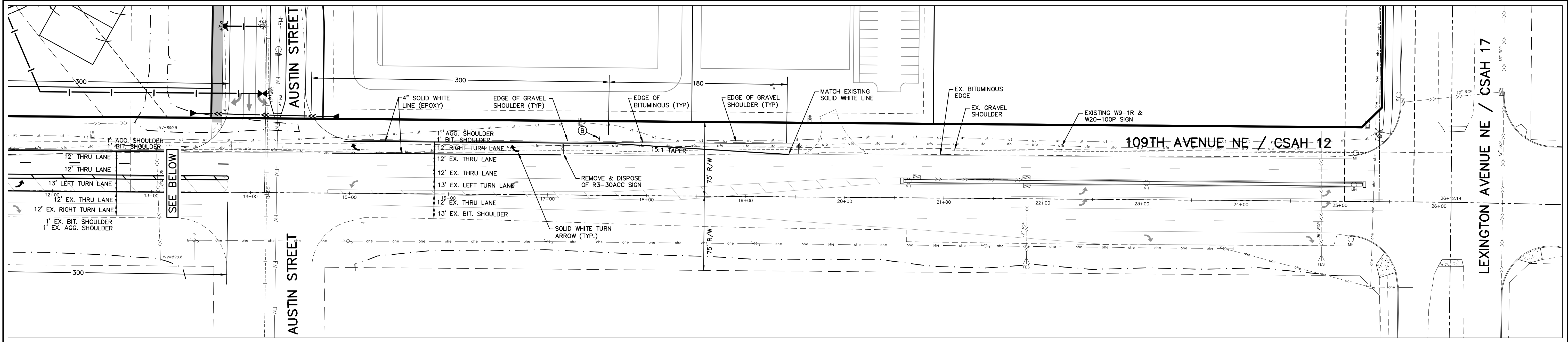
1.

WELLINGTON MANAGEMENT, INC.
1625 Energy Park Drive #100
St. Paul, MN 55108

NORTH MEADOWS
Blaine, Minnesota

SITE & UTILITY PLAN

T4
of
T14



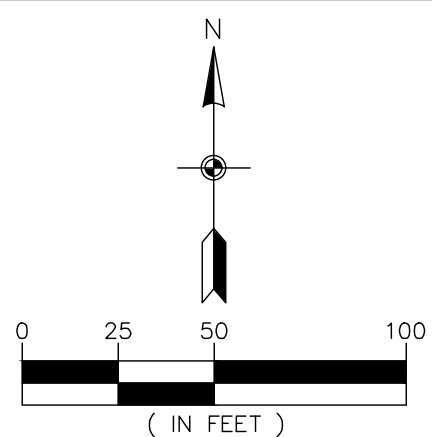
LEGEND

EXISTING	PROPOSED
PROPERTY LINE	=====
EASEMENT LINE	=====
CURB LINE	=====
BITUMINOUS	=====
GRAVEL	=====
CONCRETE	=====
SANITARY SEWER	=====
STORM SEWER	=====
WATER MAIN	=====
OVERHEAD UTILITY	=====
UNDERGROUND TELEPHONE	=====
UNDERGROUND FIBEROPTIC	=====
UNDERGROUND GAS	=====
STORM CATCH BASIN	=====
STORM MANHOLE	=====
HYDRANT	=====
GATE VALVE	=====
TELEPHONE BOX	=====
UTILITY POLE	=====
FENCE	=====
GRAVEL EDGE	=====
STRIPING	=====
SIGN	=====

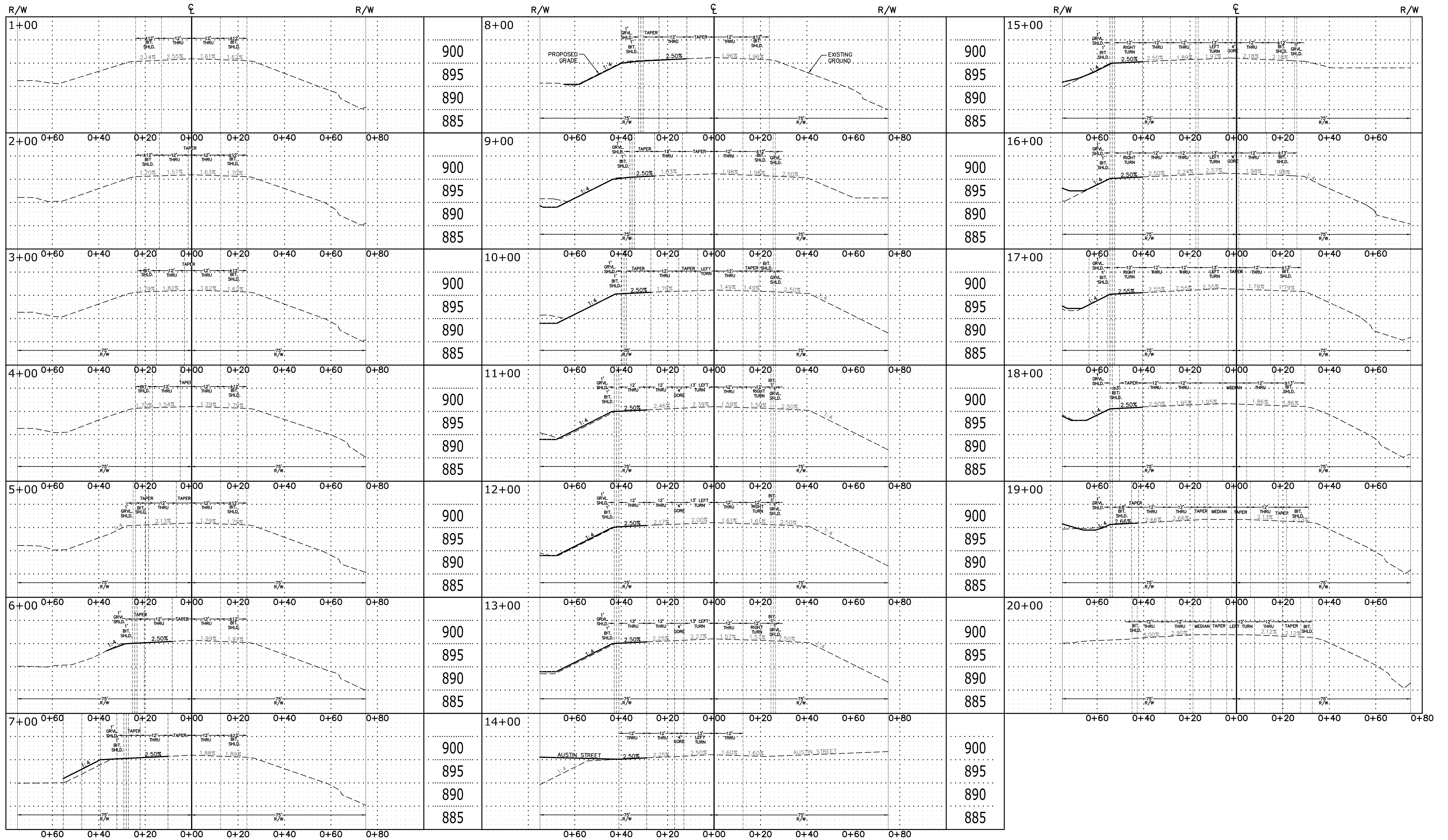
TURN LANE NOTES

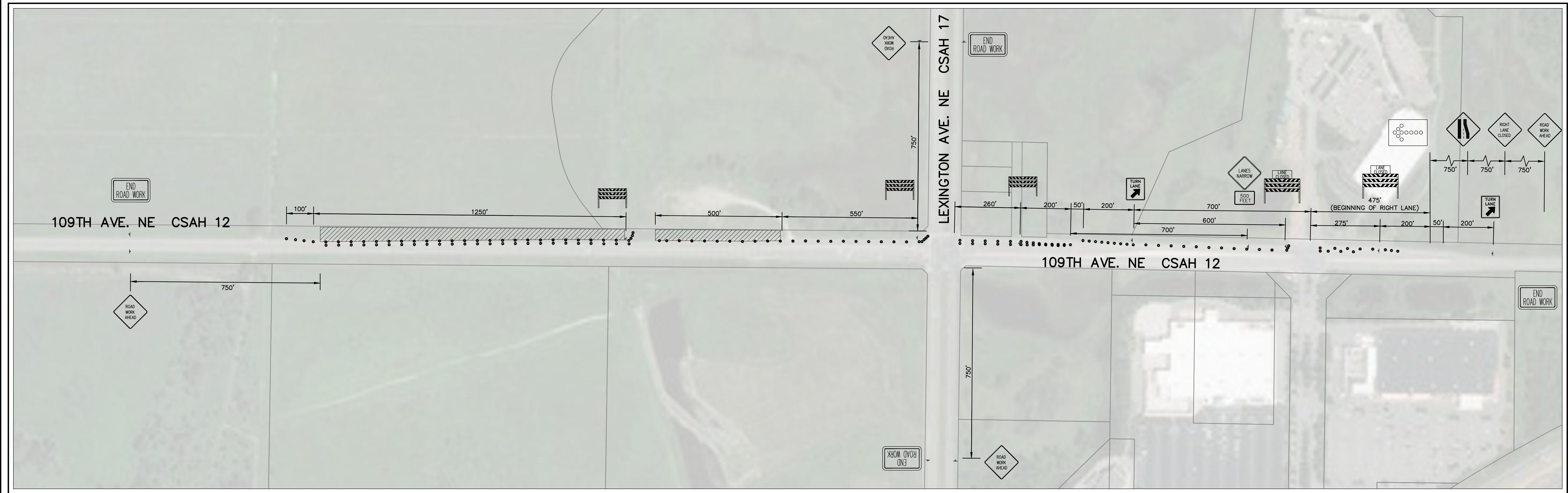
- ALL GRADES ARE TO FINISHED PAVEMENT UNLESS OTHERWISE NOTED.
- THE 2018 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION 'STANDARD SPECIFICATIONS FOR CONSTRUCTION' SHALL GOVERN AS WELL AS THE CITY OF BLAINE SPECIFICATIONS.
- ALL TEMPORARY TRAFFIC CONTROL DEVICES AND SIGNING SHALL CONFORM TO THE MMUTCD, INCLUDING "FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS, 2018"
- CONTRACTOR TO OBTAIN A PERMIT FROM ANOKA COUNTY HIGHWAY DEPARTMENT PRIOR TO PERFORMING ANY WORK WITHIN THE COUNTY RIGHT-OF-WAY.
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- CONTRACTOR SHALL REMOVE ALL CONFLICTING PAVEMENT MARKINGS.
- CONTRACTOR SHALL COORDINATE WORK AROUND AND RELOCATION OF SMALL UTILITIES.
- CONTRACTOR SHALL COORDINATE RELOCATION OF FIBER INTERCONNECT/CONDUIT & HAND HOLES W/ ANOKA COUNTY HIGHWAY DEPARTMENT.
- CONTRACTOR TO CONTACT ANOKA COUNTY HIGHWAY DEPARTMENT 48 HOURS BEFORE STRIPING CONSTRUCTION.
- APPLICABLE MNDOT STANDARD PLATES: 3022C, 4006L, 9000E, 4129G, 4154B, 4160D, 9102E

SIGN SCHEDULE			
SIGN	SIGN NO.	SIZE	QUANTITY
(A) STOP	R1-1	30" X 30" (WHITE ON RED)	(INCLUDED IN SITE PLANS)
(B) ONLY ONLY ONLY ONLY	R3-BACCA	66" X 30" (BLACK ON WHITE)	1
(C) ONLY ONLY ONLY	R3-BACA	54" X 30" (BLACK ON WHITE)	1
(D) MERGE	W20-X3L	36" X 36" (BLACK ON YELLOW)	SALVAGED
(E) W4-2R	W4-2R	36" X 36" (BLACK ON YELLOW)	SALVAGED



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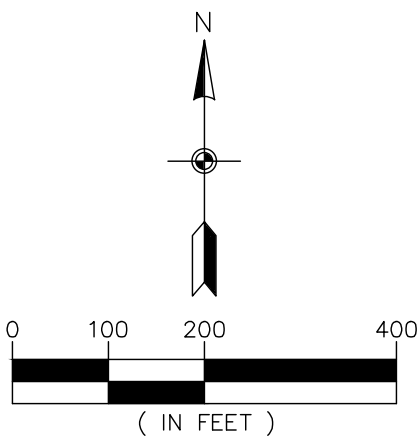




SIGN SCHEDULE					
SIGN	QUANTITY	SIGN	QUANTITY	SIGN	QUANTITY
	4	 (FLASHING ARROW BOARD)	1		2
	1		2		1
	1		3		4

NOTES:

- INTERMITTENT SIGNS SHALL BE USED FOR LOOSE GRAVEL, UNEVEN LANES, BUMP, ETC.
- LANE WIDTHS MINIMUM 10'.
- CONTRACTOR TO COMPLY WITH MnDOT LONGITUDINAL DROP OFF GUIDELINES (J-BARRIER MIGHT BE NEEDED)



CALL BEFORE YOU DIG

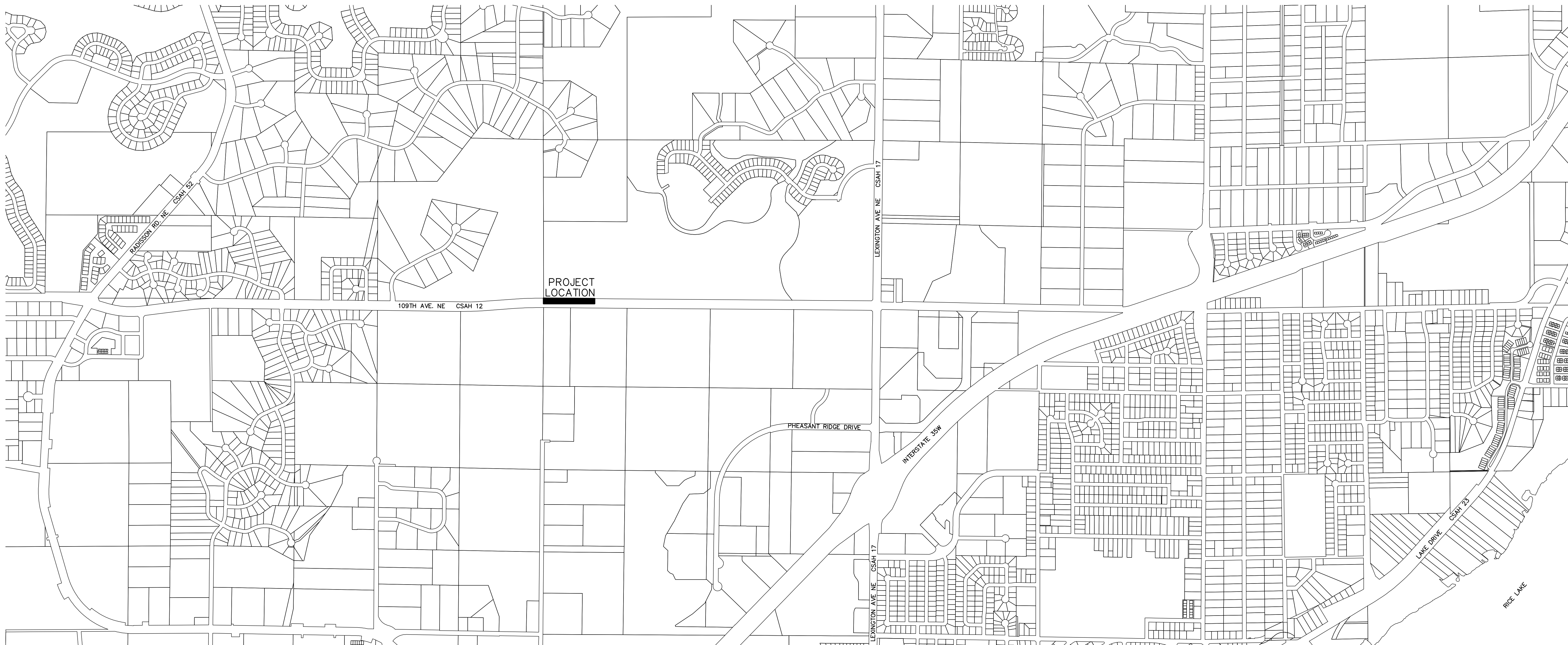
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Know what's below.
Call before you dig.

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NORTH MEADOWS

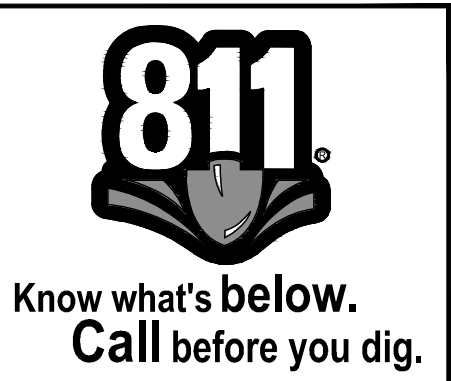
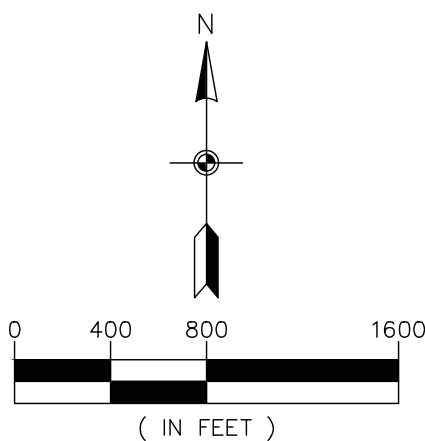
CONSTRUCTION PLANS FOR OKINAWA STREET TURN LANE INCLUDING; GRADING, STORM SEWER, STREETS, SIGNING AND STRIPING BLAINE, MINNESOTA

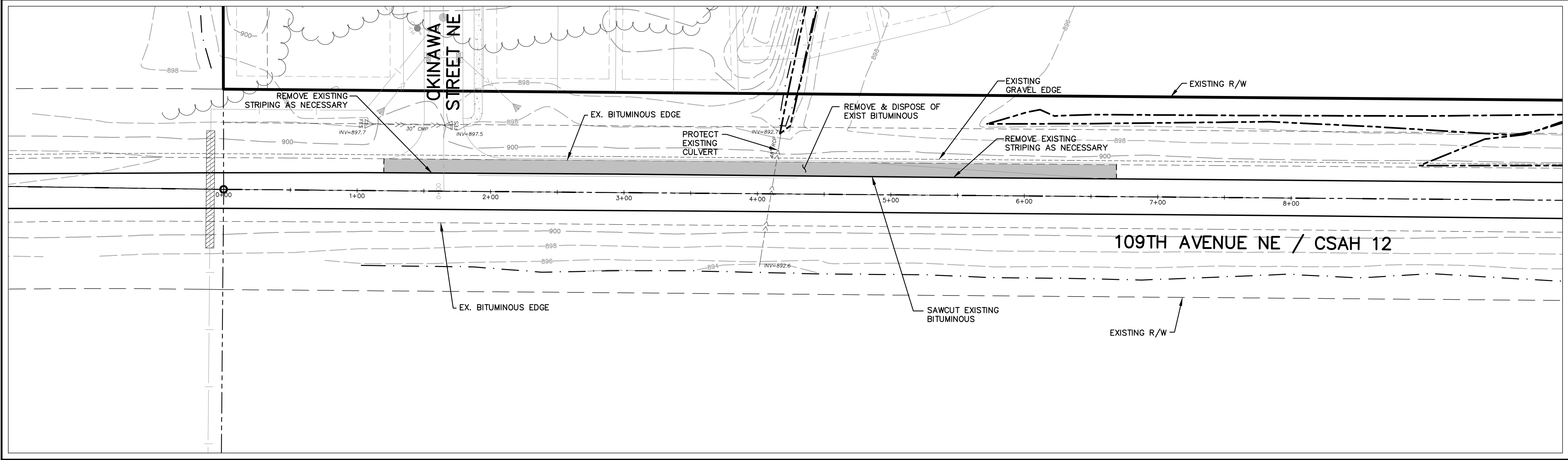


APPROVED: BLAINE CITY ENGINEER	DATE	APPROVED: ANOKA COUNTY ENGINEER	DATE
--------------------------------	------	---------------------------------	------

SHEET INDEX

- T8. COVER
- T9. REMOVALS
- T10. GRADING, DRAINAGE & EROSION CONTROL PLAN
- T11. SITE & UTILITY PLAN
- T12. SIGNING & STRIPING PLAN
- T13. CROSS SECTIONS
- T14. TRAFFIC CONTROL PLAN





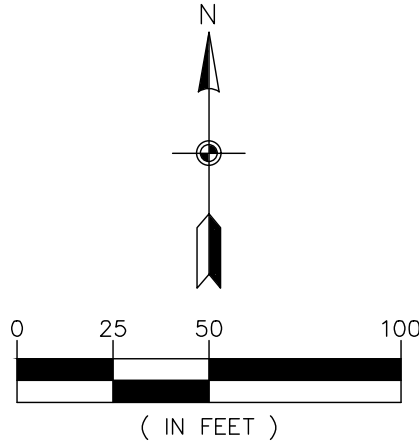
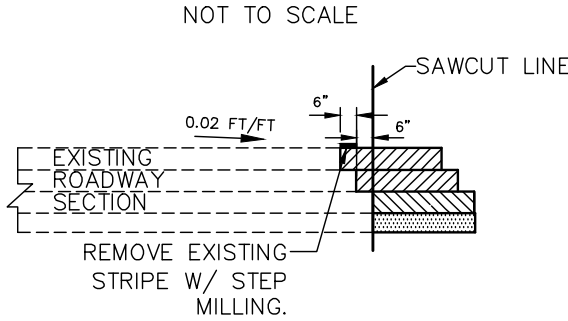
REMOVALS LEGEND

	EXISTING	REMOVALS
PROPERTY LINE	---	---
EASEMENT LINE	---	---
SAWCUT	---	---
BITUMINOUS	---	■ ■ ■ ■ ■
GRAVEL	---	---
CONCRETE	■ ■ ■ ■ ■	---
SANITARY SEWER	---	---
STORM SEWER	---	---
WATER MAIN	---	---
OVERHEAD UTILITY	ohe	---
UNDERGROUND TELEPHONE	ut	ut
UNDERGROUND FIBEROPTIC	ufb	---
UNDERGROUND GAS	ug	ug
STORM CATCH BASIN	■ ■ ■	---
SIGN	■ ■ ■	---
HYDRANT	■ ■ ■	---
GATE VALVE	■ ■ ■	---
TELEPHONE BOX	■ ■ ■	---
UTILITY POLE	■ ■ ■	---
FENCE	x x x	---
GRAVEL EDGE	---	---
STRIPING	---	---
5' CONTOUR	---	---
1' CONTOUR	---	---
WETLAND LINE	---	---
SPOT ELEVATION	---	---
TREE	---	---

*** CONTRACTOR TO VERIFY UNDERGROUND UTILITIES PRIOR TO COMMENCEMENT OF ANY EXCAVATION.**

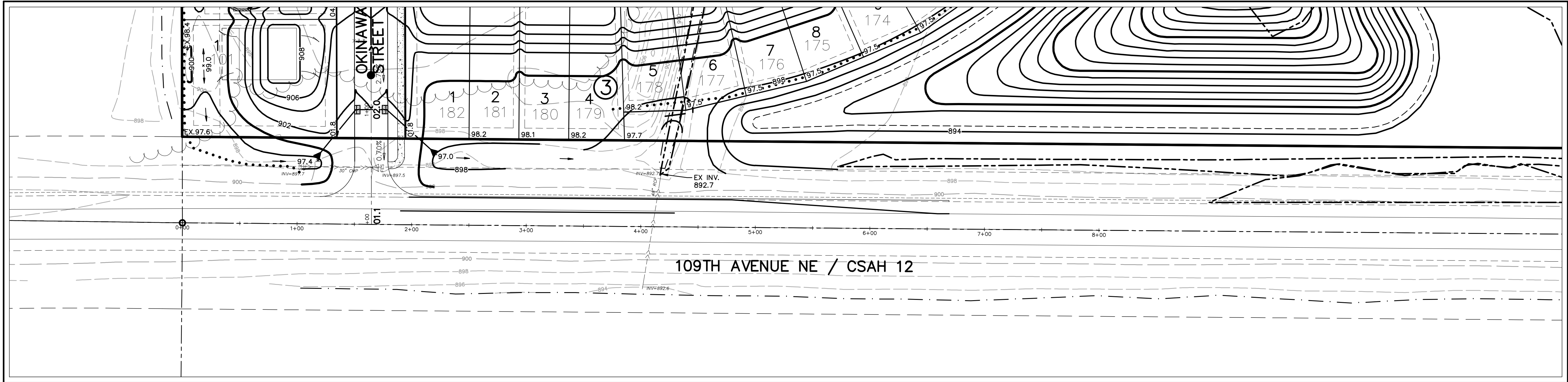
COORDINATE WITH UTILITY COMPANIES FOR RELOCATION OF ANY UNDERGROUND UTILITIES UNDER PROPOSED ROAD.

SAWCUT & MILLING DETAIL



CALL BEFORE YOU DIG

Know what's below.
Call before you dig.



* VERIFY GRADES W/EXISTING BITUMINOUS EDGE ELEVATION IN FIELD

GRADING LEGEND		
	EXISTING	PROPOSED
PROPERTY LINE	---	---
EASEMENT LINE	---	---
CURB LINE	---	---
BITUMINOUS	[Pattern]	[Pattern]
CONCRETE	[Pattern]	[Pattern]
SANITARY SEWER	---	---
STORM SEWER	---	---
WATER MAIN	---	---
OVERHEAD UTILITY	---	---
UNDERGROUND TELEPHONE	---	---
UNDERGROUND FIBEROPTIC	---	---
UNDERGROUND GAS	---	---
STORM CATCH BASIN	[Symbol]	[Symbol]
STORM MANHOLE	[Symbol]	[Symbol]
HYDRANT	[Symbol]	[Symbol]
GATE VALVE	[Symbol]	[Symbol]
TELEPHONE BOX	[Symbol]	[Symbol]
UTILITY POLE	[Symbol]	[Symbol]
FENCE	---	---
GRAVEL EDGE	---	---
10' CONTOUR	---	---
2' CONTOUR	---	---
WETLAND LINE	---	---
SPOT ELEVATION	[Symbol]	[Symbol]
SIGN	[Symbol]	[Symbol]
TREELINE	[Symbol]	[Symbol]
SOIL BORING	[Symbol]	[Symbol]

TURF ESTABLISHMENT

TURF ESTABLISHMENT SHALL APPLY TO ALL DISTURBED AREAS AND SHALL BE ACCORDING TO MNDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION (LATEST EDITION) EXCEPT AS MODIFIED BELOW.

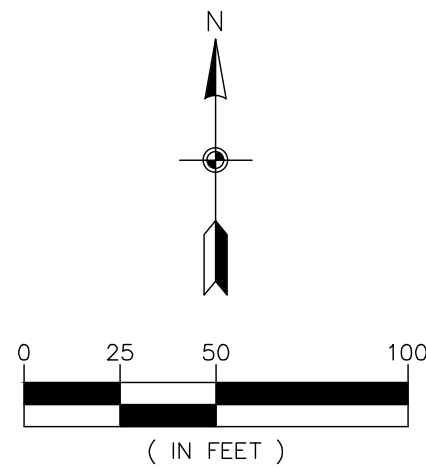
TURF ESTABLISHMENT SHALL OCCUR AS SOON AS POSSIBLE BUT IN NO CASE MORE THAN 7 DAYS.

SEED: MNDOT MIXTURE 25-141 AT 59 POUNDS PER ACRE.

DORMANT SEED: SHALL BE APPLIED AT TWICE THE NORMAL RATE AFTER NOVEMBER 1ST.

MULCH: TYPE 1 AT 2 TONS PER ACRE (DISK ANCHORED).

FERTILIZER: TYPE 1 10-10-10 AT 200 POUNDS PER ACRE.



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I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota

Print Name: Joseph T. Radach, P.E.
Signature: *J. T. Radach*
Date: 3/27/2020 License #: 45889

Drawn: KRO
Designed: JTR
Date: 3/27/2020

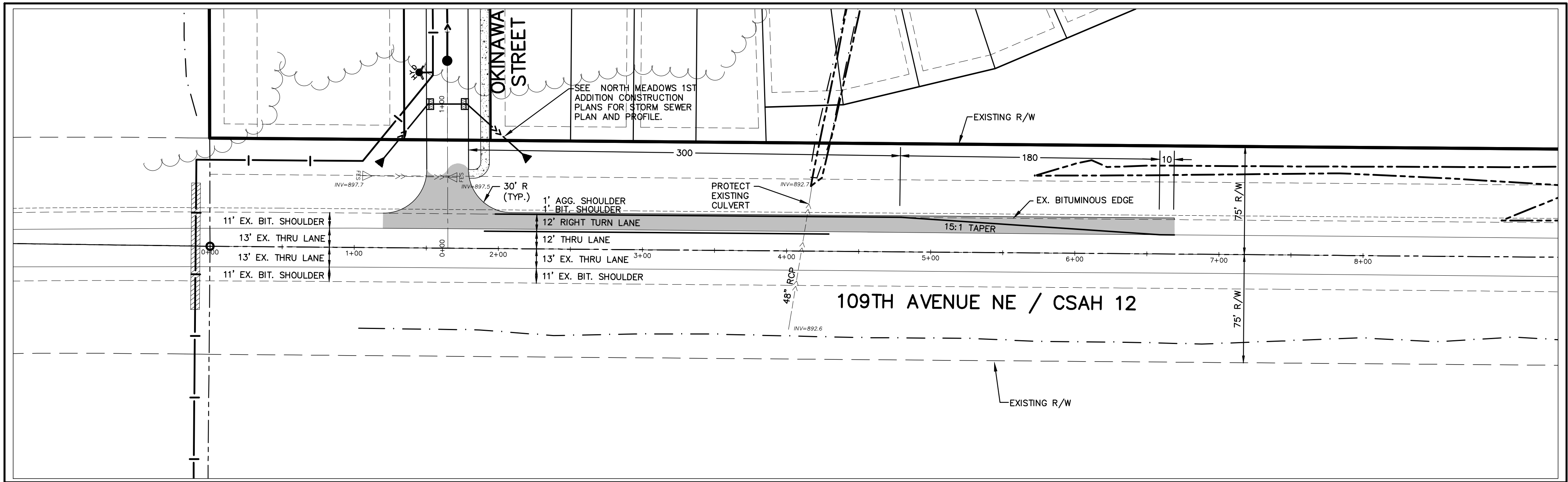
Revisions:

WELLINGTON MANAGEMENT, INC.
1625 Energy Park Drive #100
St. Paul, MN 55108

NORTH MEADOWS
Blaine, Minnesota

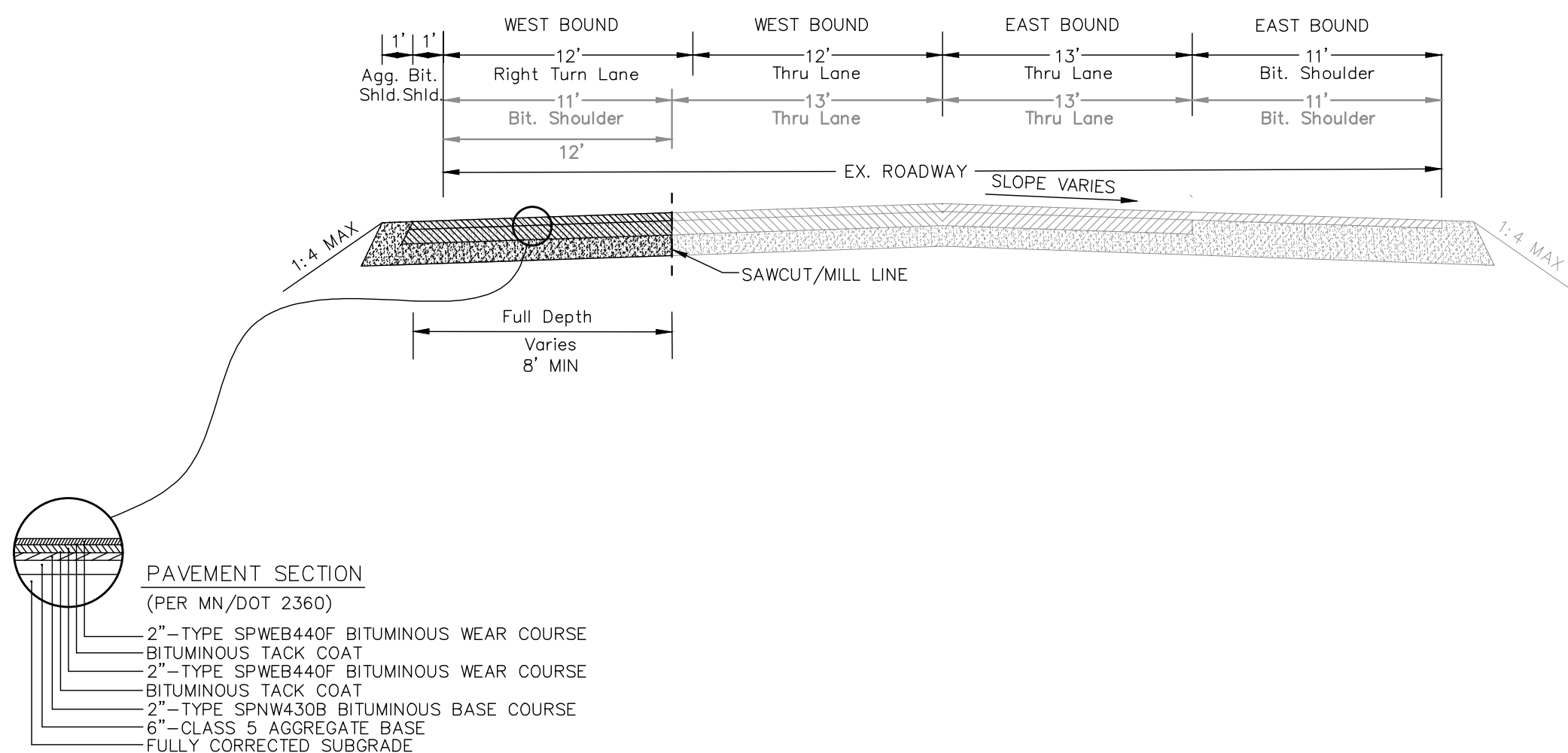
**GRADING, DRAINAGE &
EROSION CONTROL PLAN**

T10
of
T14



TYPICAL RIGHT TURN LANE SECTION (WEST BOUND)

NOT TO SCALE

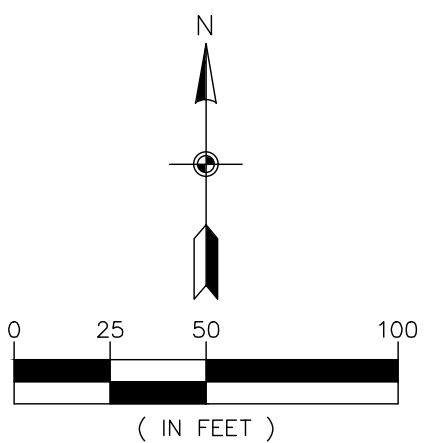


LEGEND

	EXISTING	PROPOSED
PROPERTY LINE	---	---
EASEMENT LINE	---	---
CURB LINE	---	---
BITUMINOUS	---	---
GRAVEL	---	---
CONCRETE	---	---
SANITARY SEWER	---	---
STORM SEWER	---	---
WATER MAIN	---	---
OVERHEAD UTILITY	---	---
UNDERGROUND TELEPHONE	---	---
UNDERGROUND FIBEROPTIC	---	---
UNDERGROUND GAS	---	---
STORM CATCH BASIN	---	---
STORM MANHOLE	---	---
HYDRANT	---	---
GATE VALVE	---	---
TELEPHONE BOX	---	---
UTILITY POLE	---	---
FENCE	---	---
GRAVEL EDGE	---	---
STRIPING	---	---
WETLAND LINE	---	---
SIGN	---	---
TREELINE	---	---

TURN LANE NOTES

- ALL GRADES ARE TO FINISHED PAVEMENT UNLESS OTHERWISE NOTED.
- GOVERNING SPECIFICATIONS SHALL BE THE LATEST EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION"
- ALL TEMPORARY TRAFFIC CONTROL DEVICES AND ALL PERMANENT SIGNING & MARKINGS SHALL CONFORM TO THE MMUTCD, INCLUDING "FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS, 2018"
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Signature:
Date: 3/27/2020 License #: 45889

Drawn: KRO
Designed: JTR
Date: 3/27/2020

Revisions:

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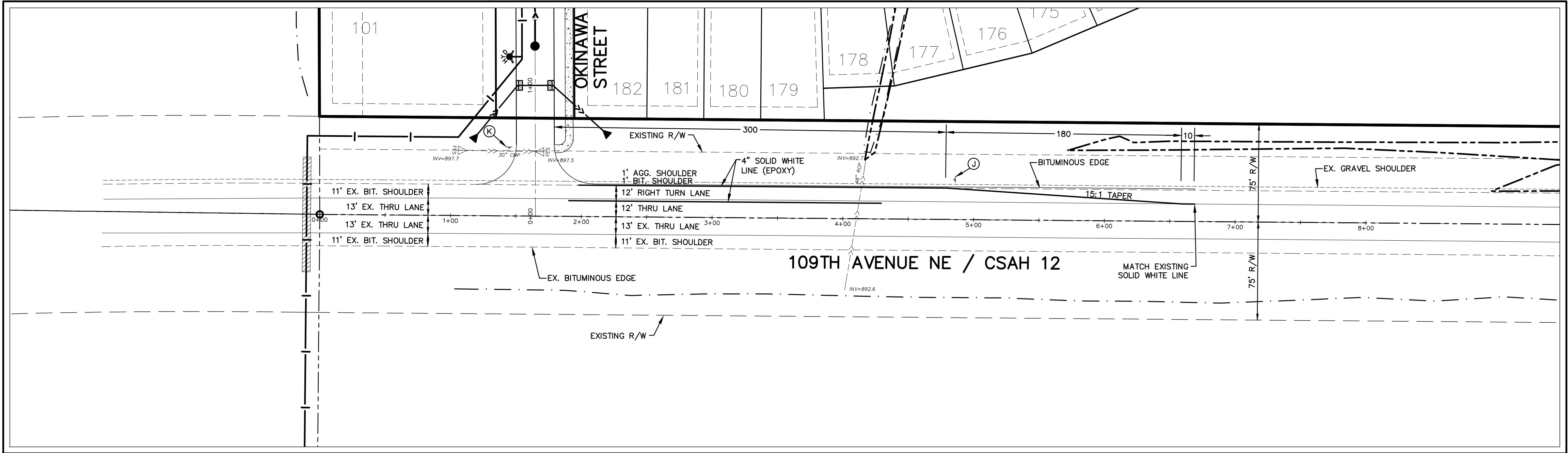
1625 Energy Park Drive #100
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NORTH MEADOWS

Blaine, Minnesota

SITE & UTILITY PLAN

T11
of
T14



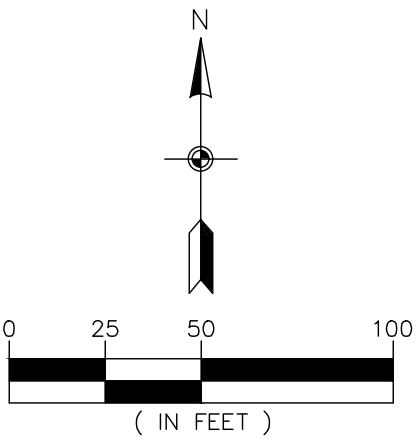
LEGEND

EXISTING	PROPOSED
PROPERTY LINE	---
EASEMENT LINE	---
CURB LINE	---
BITUMINOUS	---
GRAVEL	---
CONCRETE	---
SANITARY SEWER	---
STORM SEWER	---
WATER MAIN	---
OVERHEAD UTILITY	---
UNDERGROUND TELEPHONE	---
UNDERGROUND FIBEROPTIC	---
UNDERGROUND GAS	---
STORM CATCH BASIN	---
STORM MANHOLE	---
HYDRANT	---
GATE VALVE	---
TELEPHONE BOX	---
UTILITY POLE	---
FENCE	---
GRAVEL EDGE	---
STRIPING	---
SIGN	---

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SIGN SCHEDULE			
SIGN	SIGN NO.	SIZE	QUANTITY
(J) RIGHT TURN LANE	R3-7R	30" X 30" (BLACK ON WHITE)	1
(K) STOP	R1-1	30" X 30" (WHITE ON RED)	(INCLUDED IN SITE PLANS)



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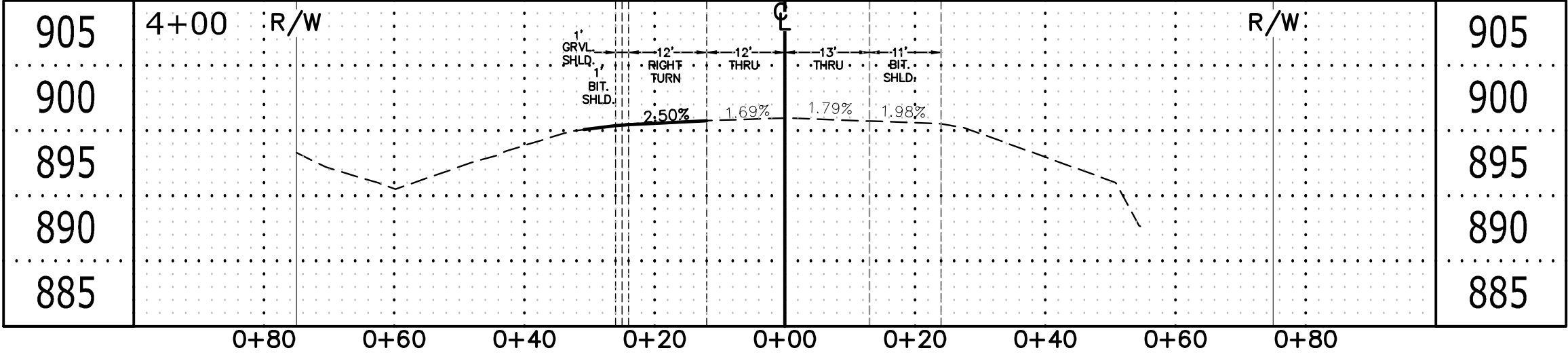
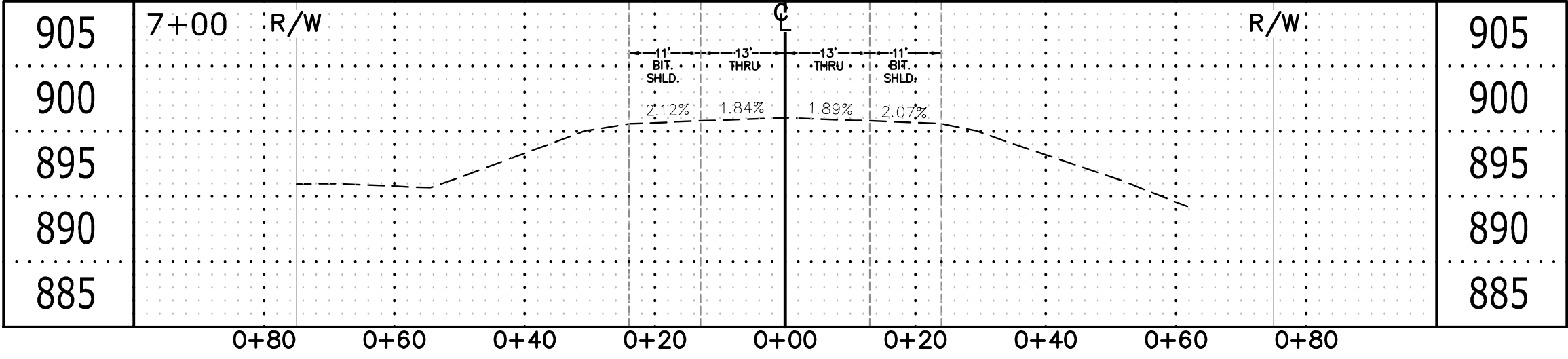
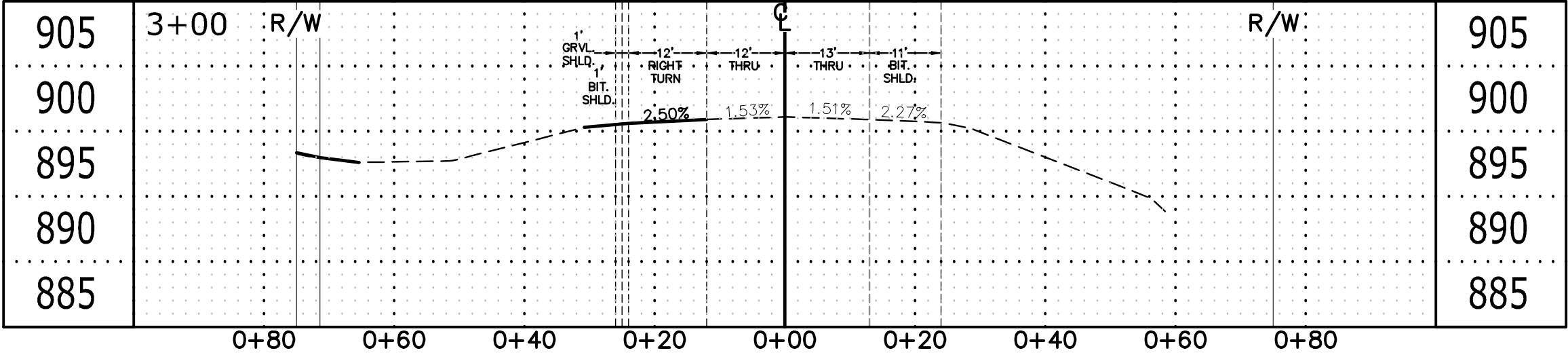
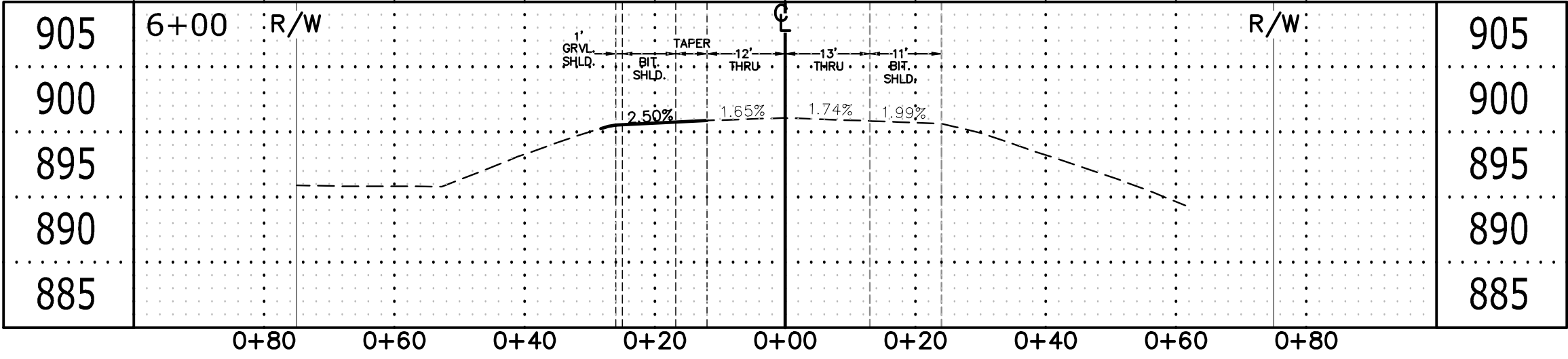
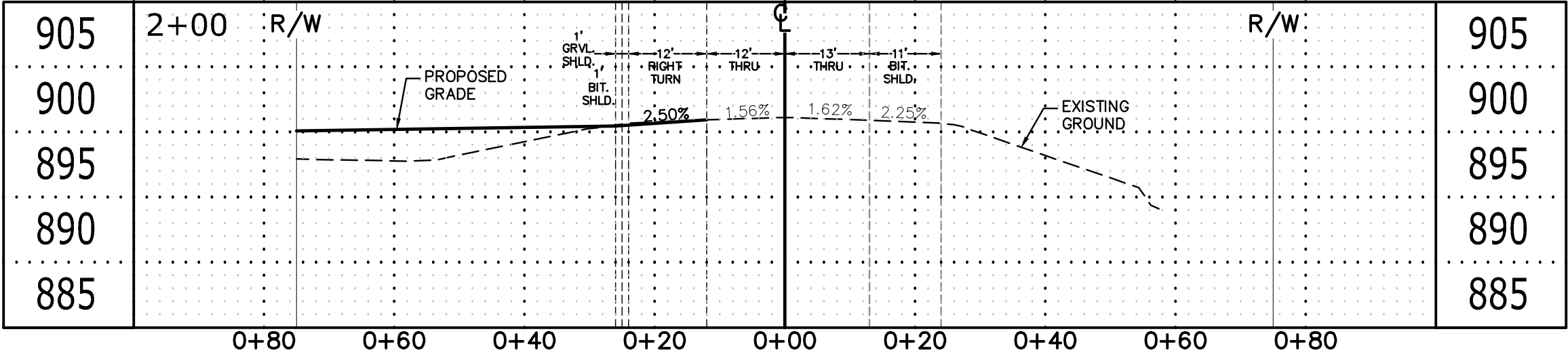
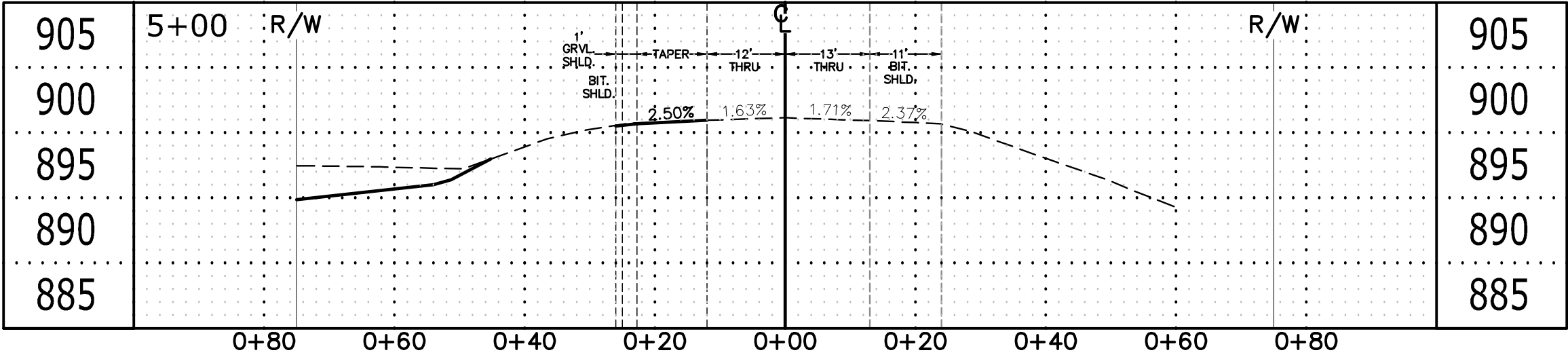
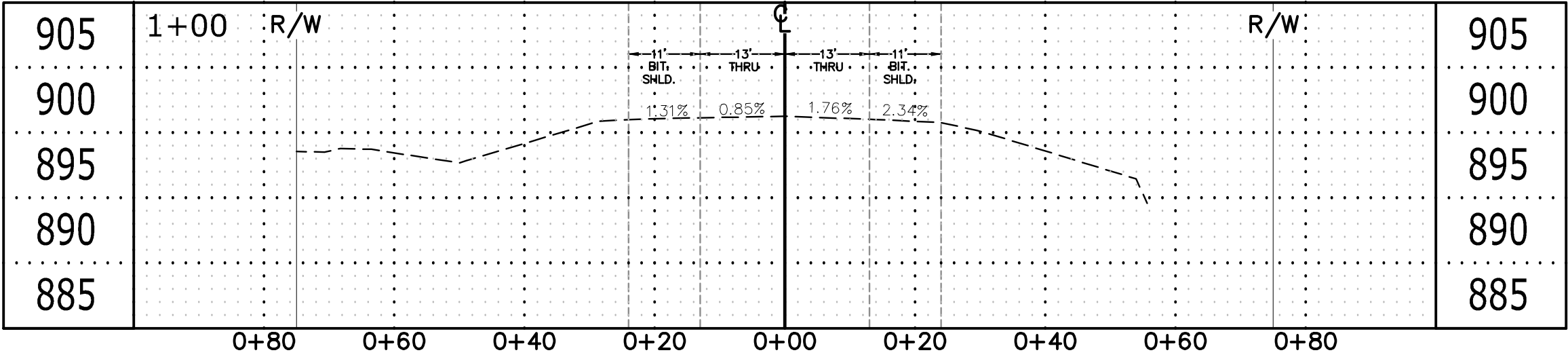
Revisions:
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NORTH MEADOWS
Blaine, Minnesota

SIGNING & STRIPING PLAN

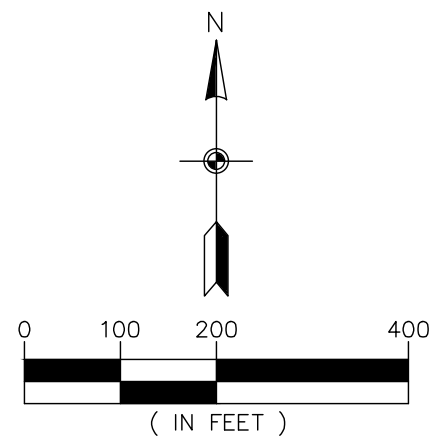
T12
of
T14





SIGN SCHEDULE	
SIGN	QUANTITY
	2
	1
	2

- NOTES:
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