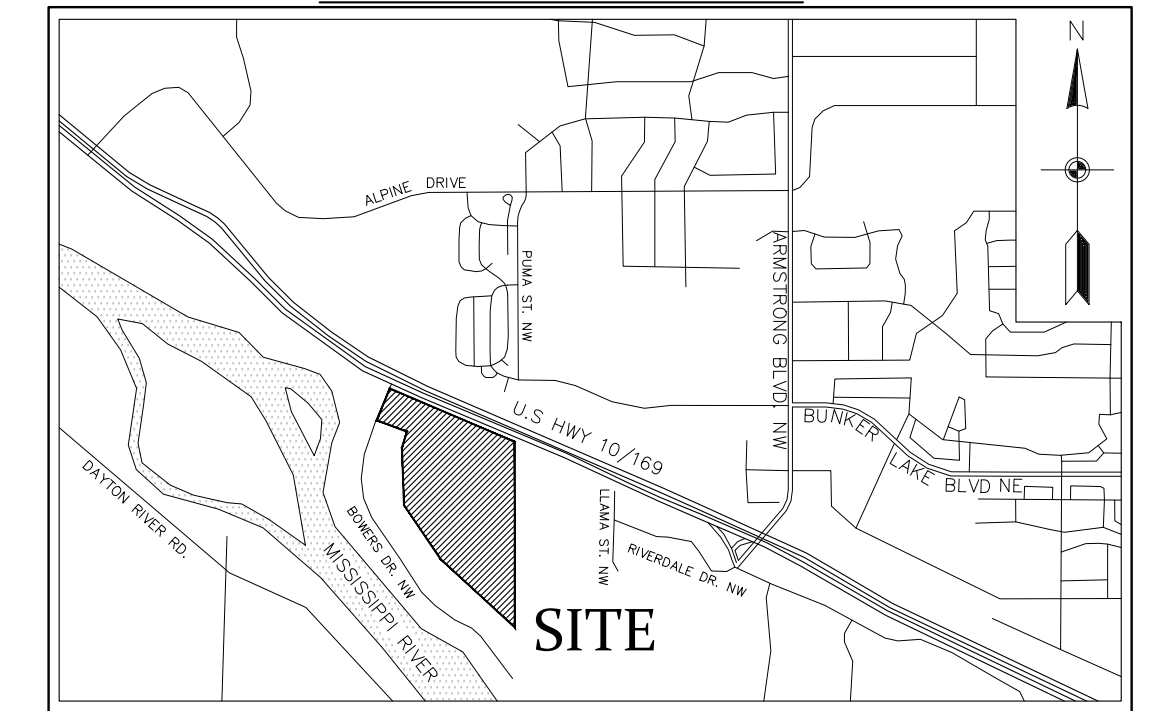


RIVERSTONE SOUTH 1ST ADDITION

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

RAMSEY, MINNESOTA

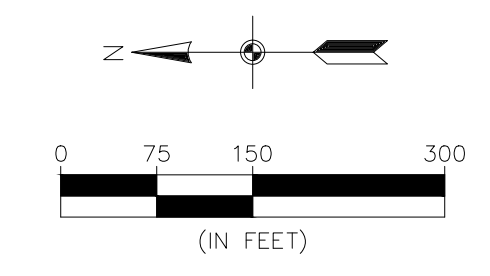
VICINITY MAP



NOT TO SCALE

SHEET INDEX

1. COVER
2. SANITARY SEWER INDEX
3. STORM SEWER INDEX
- 4-5. SANITARY SEWER & WATERMAIN
 - QUINTANA STREET NW
- 6-7. SANITARY SEWER & WATERMAIN
 - SNOWY OWL STREET NW/145TH AVE NW
8. SANITARY SEWER & WATERMAIN
 - OUTLOT F (WATERMAIN EXTENSION)
9. SANITARY SEWER & WATERMAIN
 - 145TH LANE NW/PEARSON STREET NW
10. SANITARY SEWER & WATERMAIN
 - 146TH LANE NW
- 11-15. STORM SEWER
- 16-17. STREET CONSTRUCTION
 - SNOWY OWL STREET NW/145TH AVE NW
18. STREET CONSTRUCTION
 - QUINTANA STREET NW
19. STREET CONSTRUCTION
 - 145TH LANE NW/PEARSON STREET NW
20. STREET CONSTRUCTION
 - 146TH LANE NW
- 21-26. DETAILS



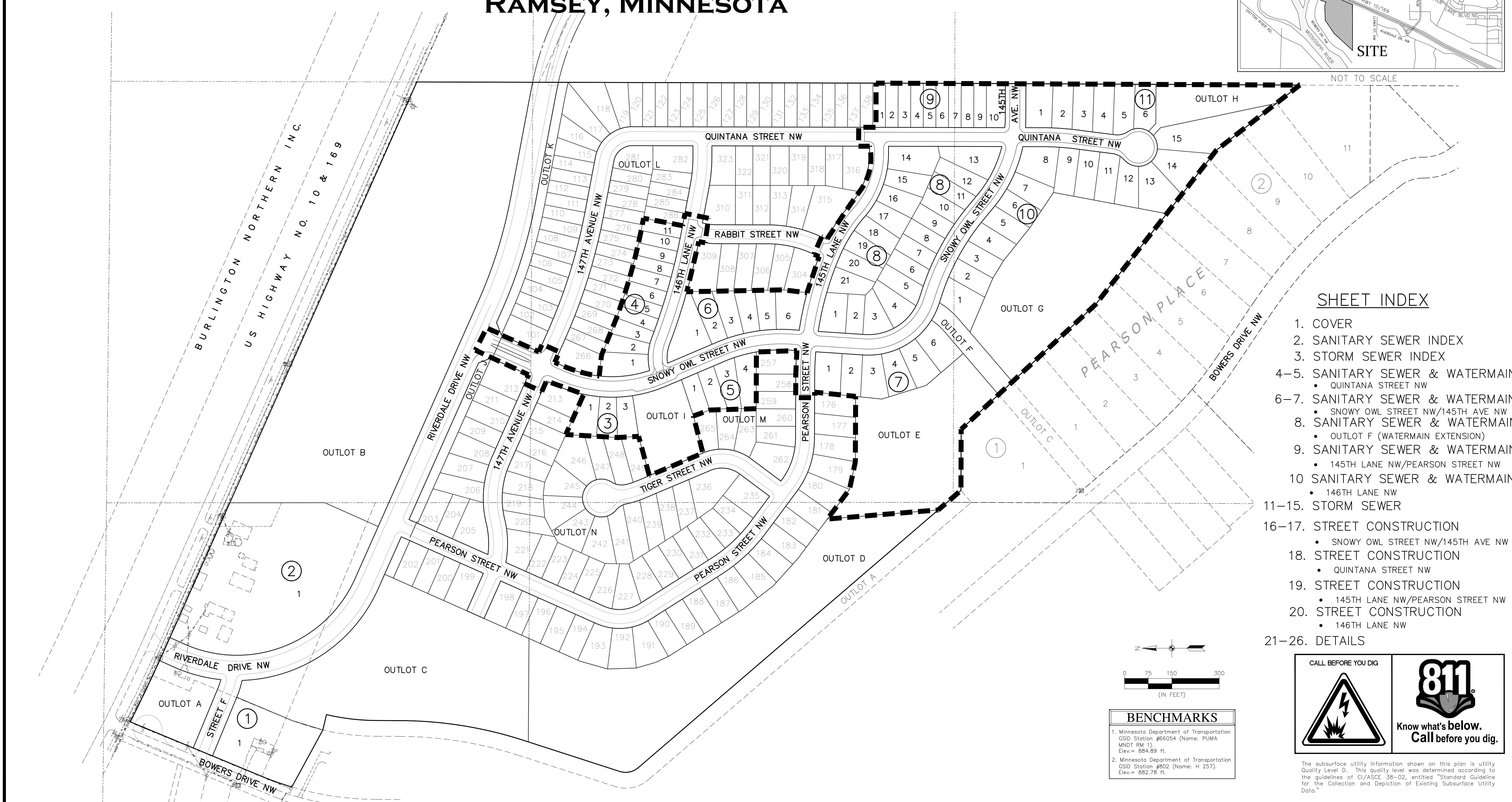
BENCHMARKS	
1.	Minnesota Department of Transportation GSD Station #66054 (Name: PLUMA MNDOT RW 1). Elev.= 854.89 ft.
2.	Minnesota Department of Transportation GSD Station #802 (Name: H 257). Elev.= 882.78 ft.

CALL BEFORE YOU DIG

811

Know what's below.
Call before you dig.

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



CARLSON MCCAIN

ENGINEERING
SURVEYING
ENVIRONMENTAL

3890 PHEASANT RIDGE DR NE
SUITE 100
BLAINE, MN 55449
TEL 763.489.7900
FAX 763.489.7959
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: Brian J. Krystofiak, P.E.
Signature: *Brian J. Krystofiak*
Date: 10/06/21 License #: 25063

Drawn: NJP
Designed: BJK
Date: 10/06/21

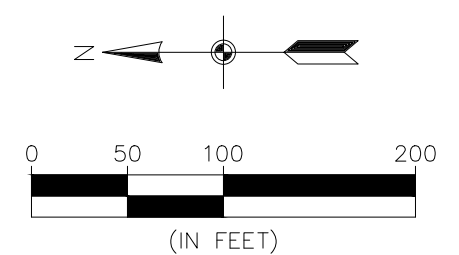
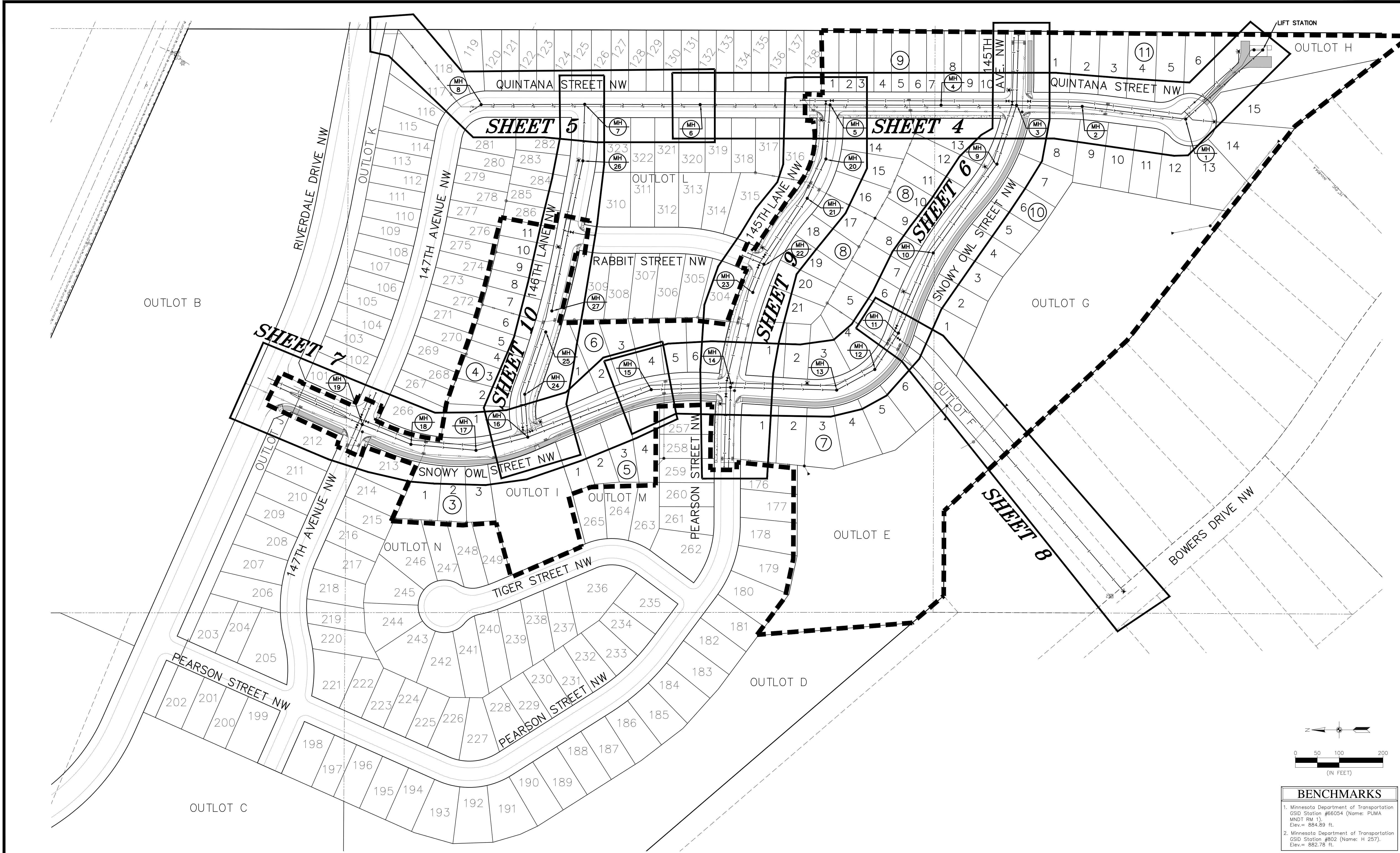
Revisions:

RIVERSTONE DEVELOPMENT, LLC
14015 Sunfish Lake B, Suite 400
Ramsey, MN 55303

RIVERSTONE SOUTH 1ST ADDITION
Ramsey, MN

COVER SHEET

Save Date: 10/04/21 | F:\jpb\8481 - 8500\8494 - pearson place 2nd\cad\c3d\engineering\final\utility\1st addition\8494_cvr.dwg



BENCHMARKS	
1.	Minnesota Department of Transportation GSD Station #66054 (Name: PUMA MNDT RM 1). Elev. = 884.89 ft.
2.	Minnesota Department of Transportation GSD Station #802 (Name: H 257). Elev. = 882.78 ft.

CARLSON McCAIN
ENGINEERING SURVEYING ENVIRONMENTAL

3890 PHEASANT RIDGE DR NE
SUITE 100
BLAINE, MN 55449
TEL 763.489.7900
FAX 763.489.7959
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: Brian J. Krystofiak, P.E.
Signature: *Brian J. Krystofiak*
Date: 10/06/21 License #: 25063

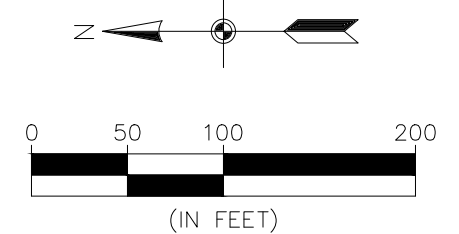
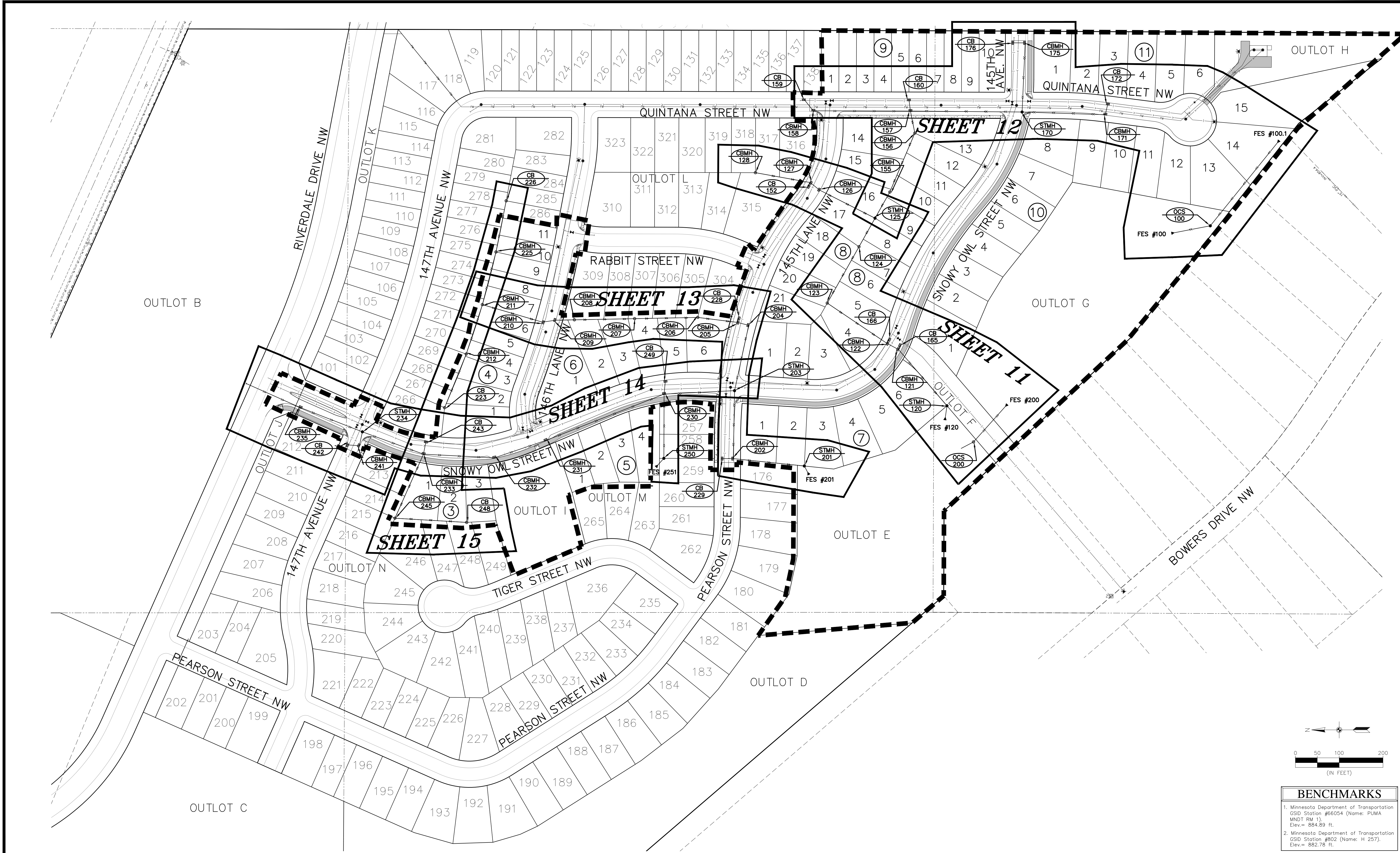
Drawn: NJP
Designed: BJK
Date: 10/06/21

Revisions:

RIVERSTONE DEVELOPMENT, LLC
14015 Sunfish Lake B, Suite 400
Ramsey, MN 55303

**RIVERSTONE SOUTH
1ST ADDITION**
Ramsey, MN

SANITARY SEWER INDEX



BENCHMARKS	
1.	Minnesota Department of Transportation CSD Station #66054 (Name: PUMA MNDT RM 1). Elev. = 884.89 ft.
2.	Minnesota Department of Transportation CSD Station #802 (Name: H 257). Elev. = 882.78 ft.

CARLSON McCAIN
ENGINEERING SURVEYING ENVIRONMENTAL
3890 PHEASANT RIDGE DR NE
SUITE 100
BLAINE, MN 55449
TEL 763.489.7900
FAX 763.489.7959
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: Brian J. Krystofiak, P.E.
Signature: *Brian J. Krystofiak*
Date: 10/06/21 License #: 25063
Drawn: NJP
Designed: BJK
Date: 10/06/21

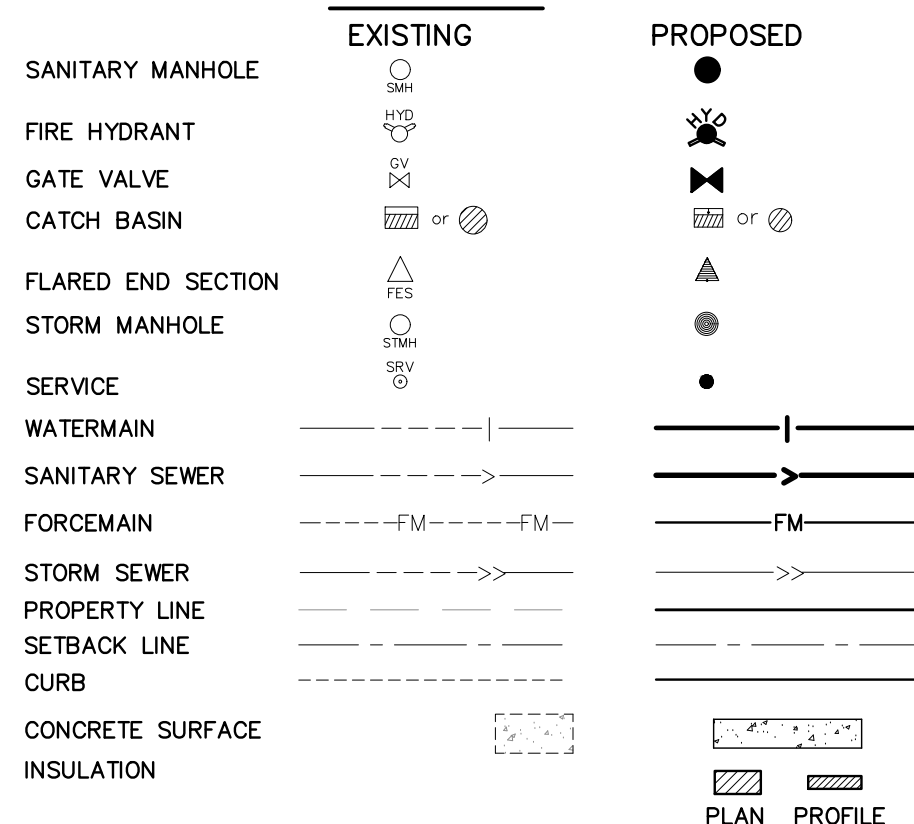
Revisions:

RIVERSTONE DEVELOPMENT, LLC
14015 Sunfish Lake B, Suite 400
Ramsey, MN 55303

**RIVERSTONE SOUTH
1ST ADDITION**
Ramsey, MN

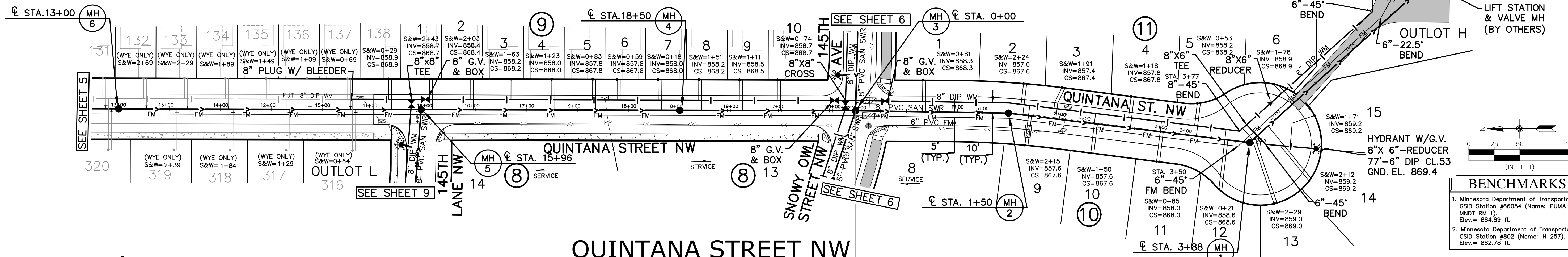
STORM SEWER INDEX

LEGEND

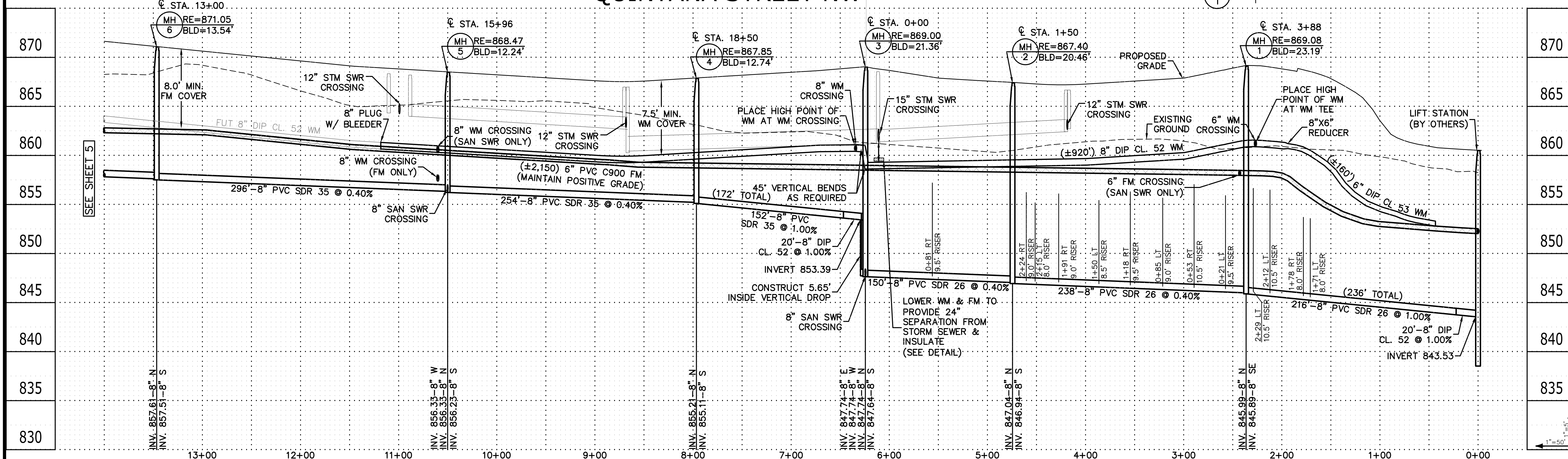


GENERAL NOTES:

- SANITARY SEWER SERVICES SHALL BE 4" PVC SDR 26 UNLESS OTHERWISE NOTED.
- WATER SERVICES SHALL BE 1" DIA. TYPE K COPPER WITH 7.5' MINIMUM COVER.
- SANITARY SEWER SERVICE WYES ARE STATIONED FROM THE DOWN STREAM MANHOLE.
- SANITARY SEWER INVERTS ARE SHOWN AT THE CURB STOP.
- SANITARY SEWER & WATER SERVICES SHALL BE CONSTRUCTED TO THE R/W WHERE THERE IS NO SIDEWALK, AND 10' BEYOND THE R/W WHERE THERE IS SIDEWALK.
- SLEEVES ARE NOT PERMITTED FOR JOINING WATERMAIN. ALLOW ROOM TO DEFLECT PIPE TO JOIN PIPE AT BELLS OR FITTINGS (EXCLUDING SLEEVES).
- WM SERVICE FOR LOT 9, BLOCK 10 SHALL BE LOWERED 2 FEET BELOW THE STORM SEWER AND INSULATED.
- WM SERVICES FOR LOTS 9-12, BLOCK 10 AND LOT 6 BLOCK 11 SHALL MAINTAIN 2' SEPARATION FROM THE FORCE MAIN & 7.5 MIN COVER.



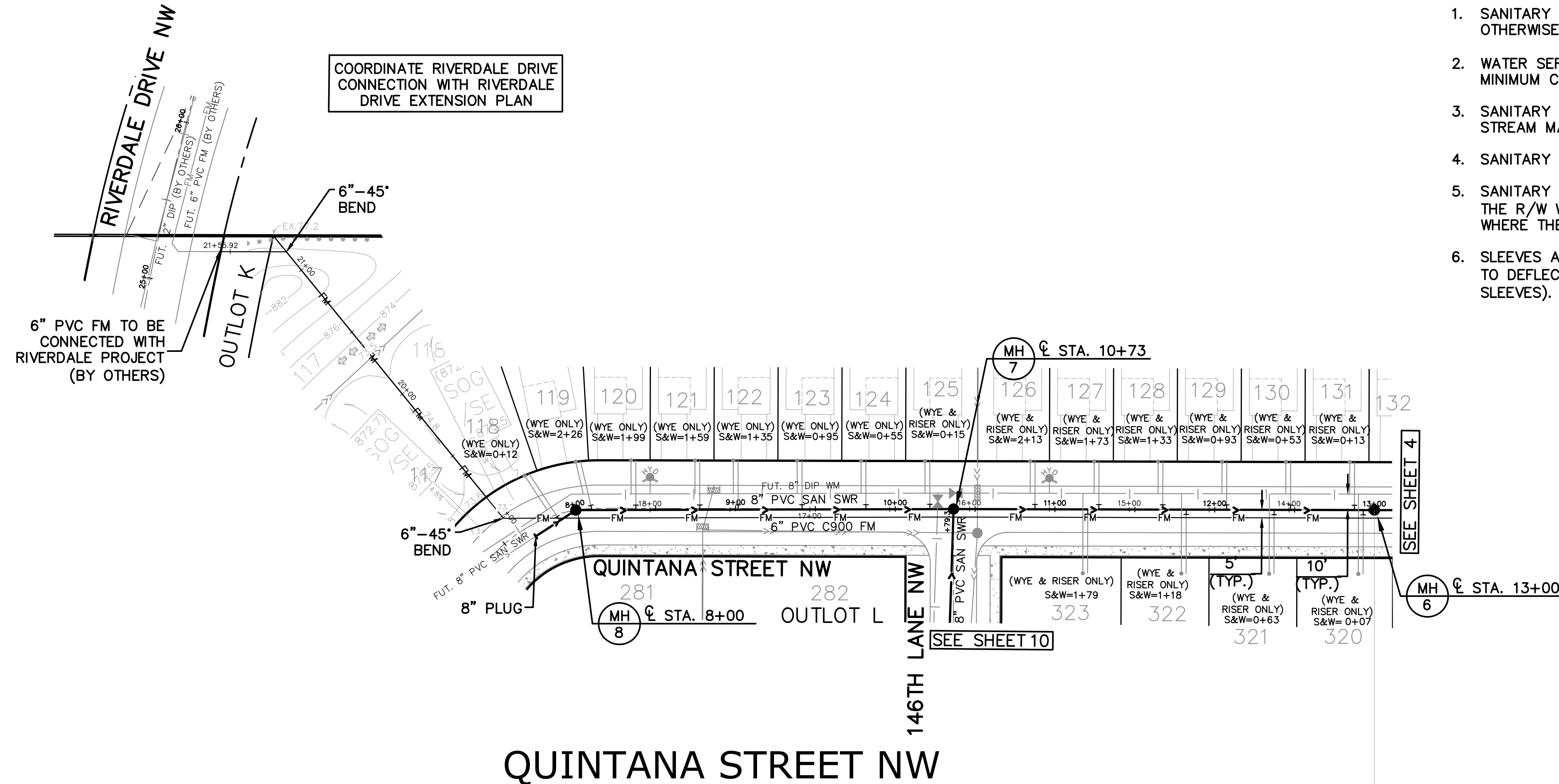
QUINTANA STREET NW



<p>CARLSON MCCAIN ENGINEERING SURVEYING ENVIRONMENTAL</p>	<p>3890 PHEASANT RIDGE DR NE SUITE 100 BLAINE, MN 55449 TEL 763.489.7900 FAX 763.489.7959 CARLSONMCCAIN.COM</p>	<p>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</p>	<p>Print Name: Brian J. Krystofiak, P.E. Signature: <i>Brian J. Krystofiak</i> Date: 10/06/21 License #: 25063</p>	<p>Drawn: NJP Designed: BJK Date: 10/06/21</p>	<p>Revisions:</p>	<p>RIVERSTONE DEVELOPMENT, LLC 14015 Sunfish Lake B, Suite 400 Ramsey, MN 55303</p>	<p>RIVERSTONE SOUTH 1ST ADDITION Ramsey, MN</p>	<p>SANITARY SEWER & WATER MAIN</p>	<p>4 of 26</p>
			<p>Save Date: 10/07/21 F:\jpb\8481 - 8500\8494 - pearson place 2nd\cad\c3d\engineering\final\utility\list\addition\8494_utility.dwg</p>	<p>#8494</p>					

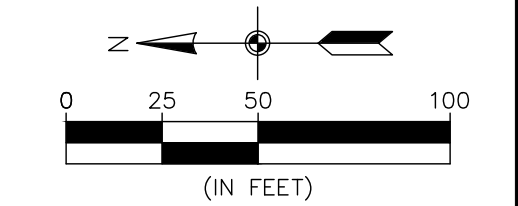
GENERAL NOTES:

1. SANITARY SEWER SERVICES SHALL BE 4" PVC SDR 26 UNLESS OTHERWISE NOTED.
2. WATER SERVICES SHALL BE 1" DIA. TYPE K COPPER WITH 7.5' MINIMUM COVER.
3. SANITARY SEWER SERVICE WYES ARE STATIONED FROM THE DOWN STREAM MANHOLE.
4. SANITARY SEWER INVERTS ARE SHOWN AT THE CURB STOP.
5. SANITARY SEWER & WATER SERVICES SHALL BE CONSTRUCTED TO THE R/W WHERE THERE IS NO SIDEWALK, AND 10' BEYOND THE R/W WHERE THERE IS SIDEWALK.
6. SLEEVES ARE NOT PERMITTED FOR JOINING WATERMAIN. ALLOW ROOM TO DEFLECT PIPE TO JOIN PIPE AT BELLS OR FITTINGS (EXCLUDING SLEEVES).



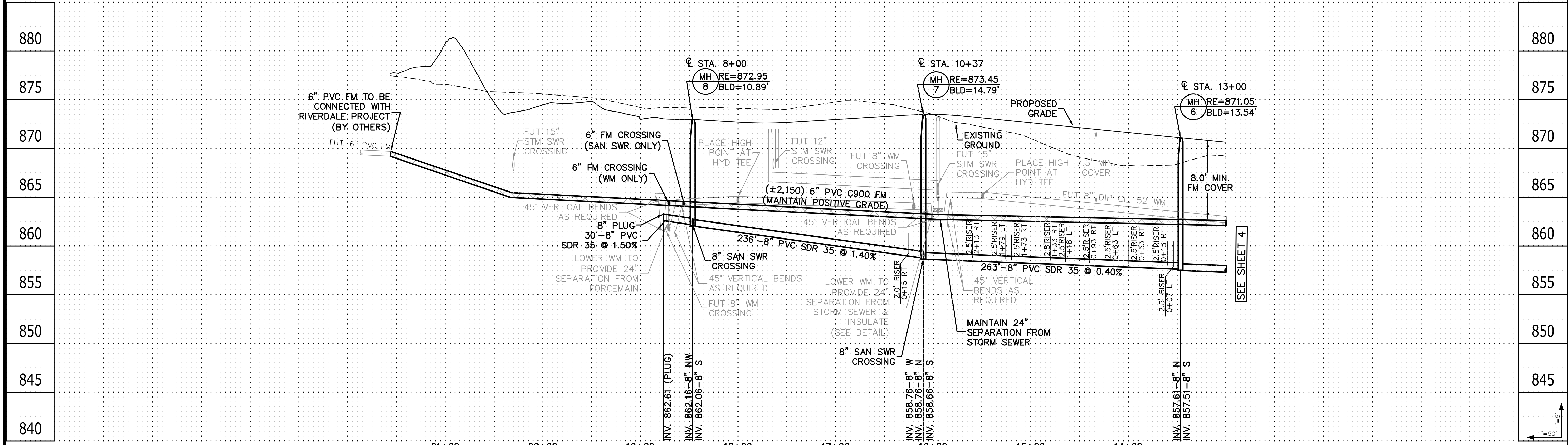
LEGEND

EXISTING	PROPOSED
SANITARY MANHOLE	SANITARY MANHOLE
FIRE HYDRANT	FIRE HYDRANT
GATE VALVE	GATE VALVE
CATCH BASIN	CATCH BASIN
FLARED END SECTION	FLARED END SECTION
STORM MANHOLE	STORM MANHOLE
SERVICE	SERVICE
WATERMAIN	WATERMAIN
SANITARY SEWER	SANITARY SEWER
FORCEMAIN	FORCEMAIN
STORM SEWER	STORM SEWER
PROPERTY LINE	PROPERTY LINE
SETBACK LINE	SETBACK LINE
CURB	CURB
CONCRETE SURFACE	CONCRETE SURFACE
INSULATION	INSULATION
	PLAN
	PROFILE



BENCHMARKS

1. Minnesota Department of Transportation
GSD Station #66054 (Name: PUMA
MNDT RM 1).
Elev. = 884.89 ft.
2. Minnesota Department of Transportation
GSD Station #602 (Name: H 257).
Elev. = 882.78 ft.



CARLSON McCAIN ENGINEERING SURVEYING ENVIRONMENTAL
 3890 PHEASANT RIDGE DR NE
 SUITE 100
 BLAINE, MN 55449
 TEL 763.489.7900
 FAX 763.489.7959
 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: Brian J. Krystofiak, P.E.
 Signature: *Brian J. Krystofiak*
 Date: 10/06/21 License #: 25063
 Drawn: NJP
 Designed: BJK
 Date: 10/06/21

Revisions:
RIVERSTONE DEVELOPMENT, LLC
 14015 Sunfish Lake B, Suite 400
 Ramsey, MN 55303

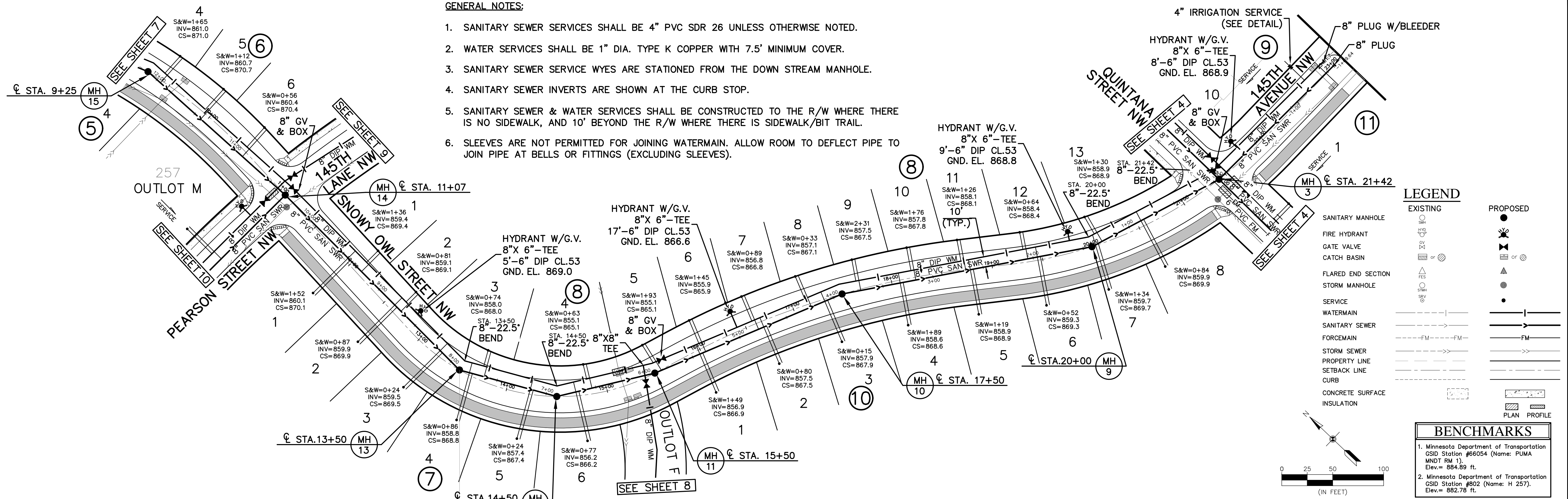
RIVERSTONE SOUTH 1ST ADDITION
 Ramsey, MN

SANITARY SEWER & WATER MAIN

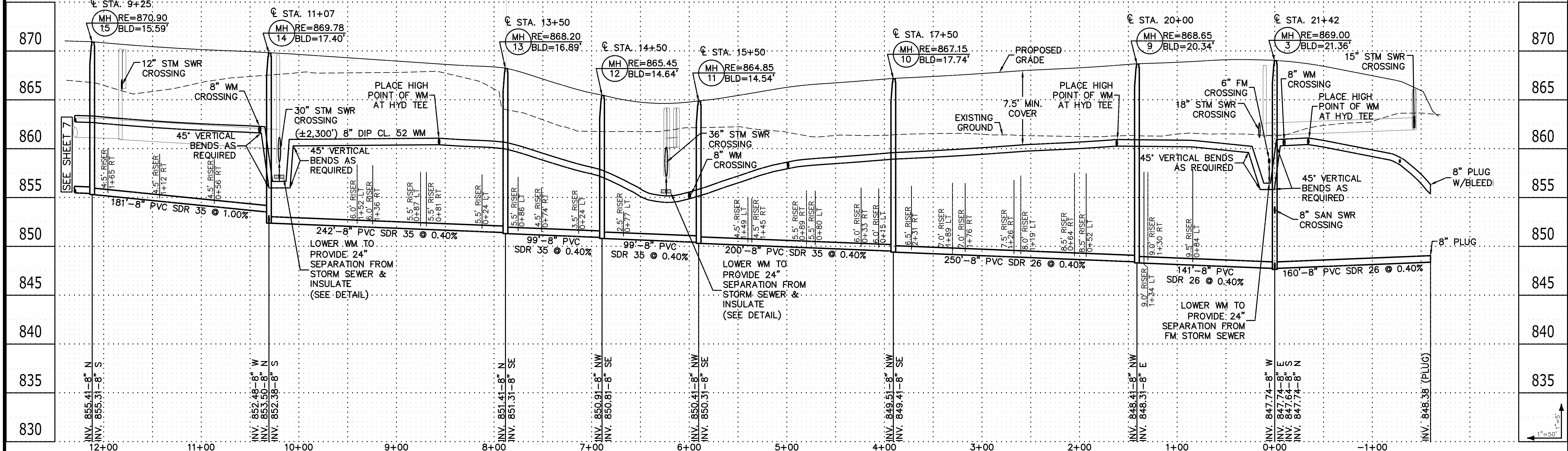
5 of 26
 #8494

GENERAL NOTES:

- SANITARY SEWER SERVICES SHALL BE 4" PVC SDR 26 UNLESS OTHERWISE NOTED.
- WATER SERVICES SHALL BE 1" DIA. TYPE K COPPER WITH 7.5' MINIMUM COVER.
- SANITARY SEWER SERVICE WYES ARE STATIONED FROM THE DOWN STREAM MANHOLE.
- SANITARY SEWER INVERTS ARE SHOWN AT THE CURB STOP.
- SANITARY SEWER & WATER SERVICES SHALL BE CONSTRUCTED TO THE R/W WHERE THERE IS NO SIDEWALK, AND 10' BEYOND THE R/W WHERE THERE IS SIDEWALK/BIT TRAIL.
- SLEEVES ARE NOT PERMITTED FOR JOINING WATERMAIN. ALLOW ROOM TO DEFLECT PIPE TO JOIN PIPE AT BELLS OR FITTINGS (EXCLUDING SLEEVES).



SNOWY OWL STREET NW ↔ 145TH AVENUE NW



CARLSON McCAIN
 ENGINEERING SURVEYING ENVIRONMENTAL
 3890 PHEASANT RIDGE DR NE SUITE 100, BLAINE, MN 55449
 TEL 763.489.7900 FAX 763.489.7959
 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: Brian J. Krystofiak, P.E.
 Signature: *Brian J. Krystofiak*
 Date: 10/06/21 License #: 25063
 Drawn: NJP
 Designed: BJK
 Date: 10/06/21

Revisions:
 RIVERSTONE DEVELOPMENT, LLC
 14015 Sunfish Lake B, Suite 400
 Ramsey, MN 55303

RIVERSTONE SOUTH
 1ST ADDITION
 Ramsey, MN

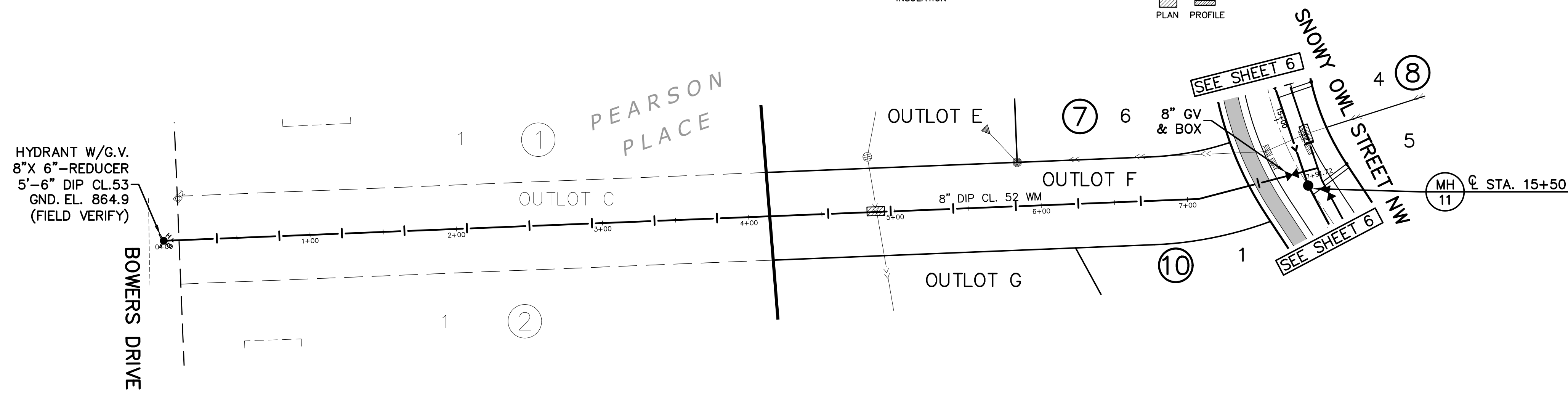
SANITARY SEWER & WATER MAIN

LEGEND

	EXISTING	PROPOSED
SANITARY MANHOLE		
FIRE HYDRANT		
GATE VALVE		
CATCH BASIN		
FLARED END SECTION		
STORM MANHOLE		
SERVICE		
WATERMAIN		
SANITARY SEWER		
FORCEMAIN		
STORM SEWER		
PROPERTY LINE		
SETBACK LINE		
CURB		
CONCRETE SURFACE		
INSULATION		

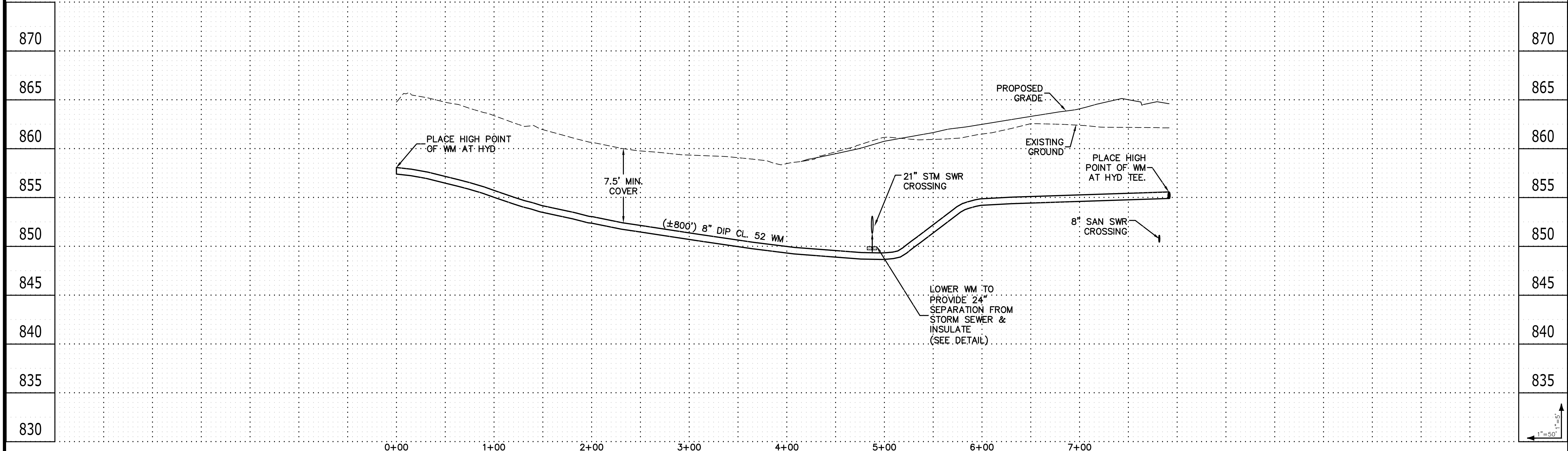
GENERAL NOTES:

1. SANITARY SEWER SERVICES SHALL BE 4" PVC SDR 26 UNLESS OTHERWISE NOTED.
2. WATER SERVICES SHALL BE 1" DIA. TYPE K COPPER WITH 7.5' MINIMUM COVER.
3. SANITARY SEWER SERVICE WYES ARE STATIONED FROM THE DOWN STREAM MANHOLE.
4. SANITARY SEWER INVERTS ARE SHOWN AT THE CURB STOP.
5. SANITARY SEWER & WATER SERVICES SHALL BE CONSTRUCTED TO THE R/W WHERE THERE IS NO SIDEWALK, AND 10' BEYOND THE R/W WHERE THERE IS SIDEWALK.
6. SLEEVES ARE NOT PERMITTED FOR JOINING WATERMAIN. ALLOW ROOM TO DEFLECT PIPE TO JOIN PIPE AT BELLS OR FITTINGS (EXCLUDING SLEEVES).



BENCHMARKS

1. Minnesota Department of Transportation
GSID Station #66054 (Name: PUMA
MNDOT RM 1)
Elev.= 884.89 ft.
2. Minnesota Department of Transportation
GSID Station #802 (Name: H 257)
Elev.= 882.78 ft.



CARLSON MCCAIN
ENGINEERING SURVEYING ENVIRONMENTAL
3890 PHEASANT RIDGE DR NE
SUITE 100
BLAINE, MN 55449
TEL 763.489.7900
FAX 763.489.7959
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: Brian J. Krystofiak, P.E.
Signature: *Brian J. Krystofiak*
Date: 10/06/21 License #: 25063
Drawn: NJP
Designed: BJK
Date: 10/06/21

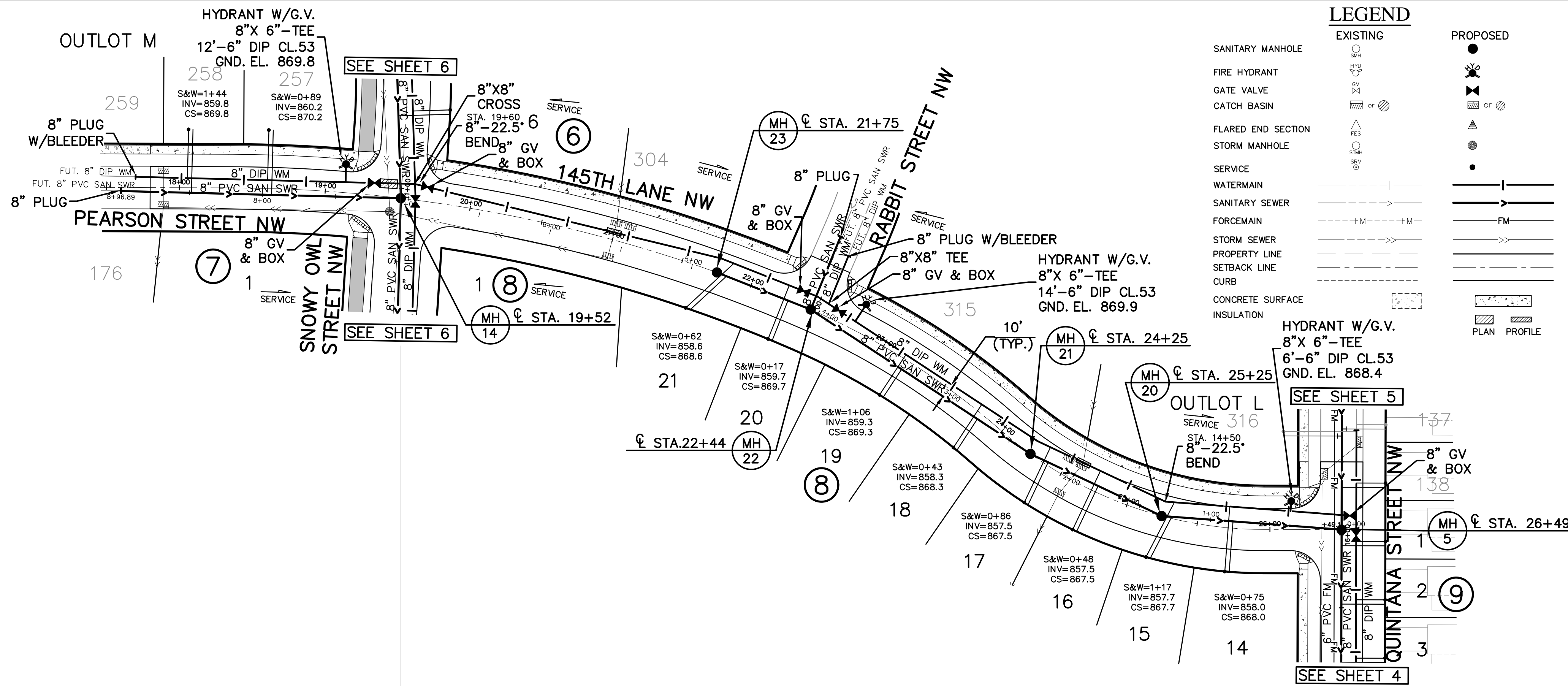
Revisions:

RIVERSTONE DEVELOPMENT, LLC
14015 Sunfish Lake B, Suite 400
Ramsey, MN 55303

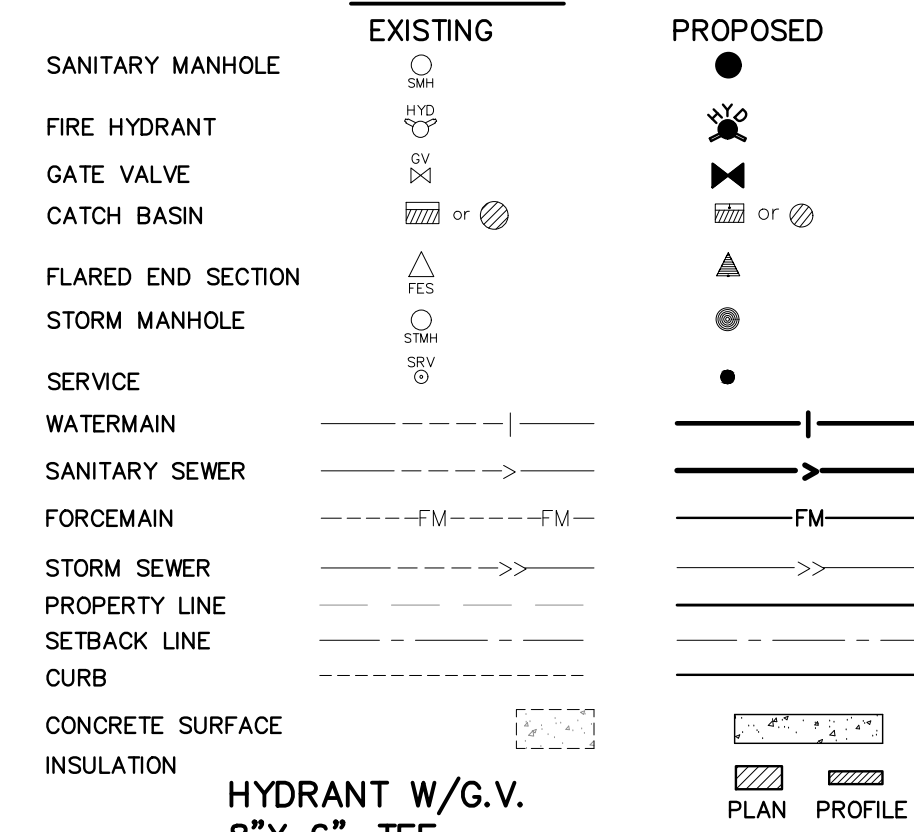
**RIVERSTONE SOUTH
1ST ADDITION**
Ramsey, MN

**SANITARY SEWER &
WATER MAIN**

Save Date: 10/07/21 | F:\jpb\8481 - 8500\8494 - pearson place 2nd\cad\c3d\engineering\final\utility\1st addition\8494_utility.dwg

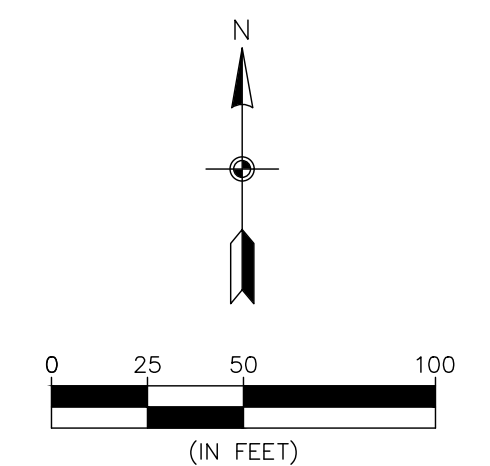


LEGEND



GENERAL NOTES:

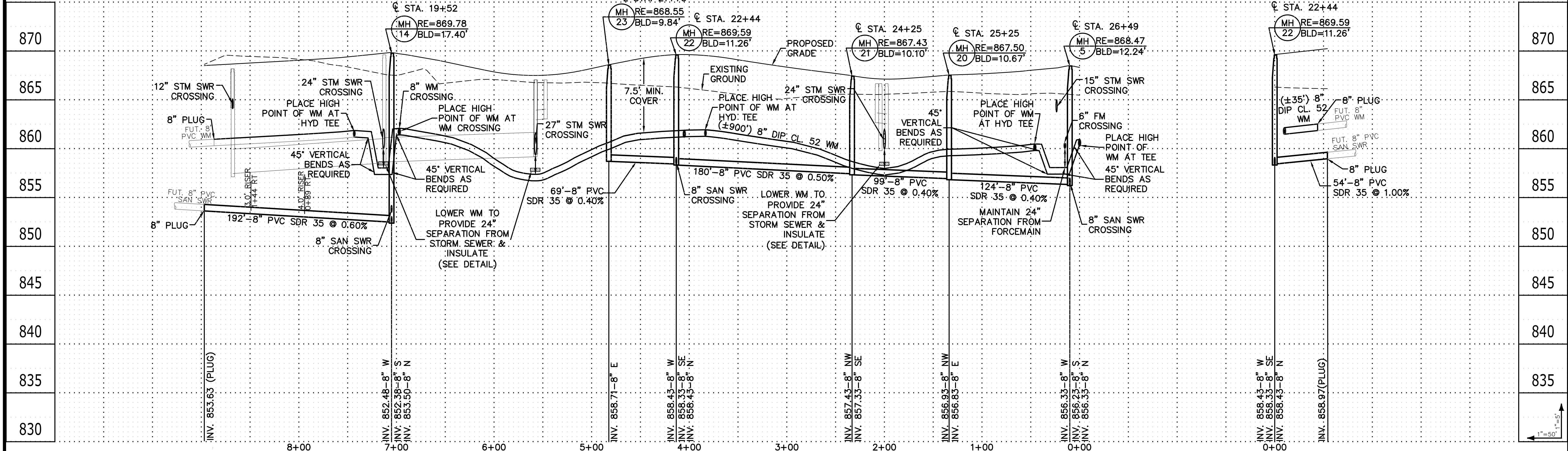
- SANITARY SEWER SERVICES SHALL BE 4" PVC SDR 26 UNLESS OTHERWISE NOTED.
- WATER SERVICES SHALL BE 1" DIA. TYPE K COPPER WITH 7.5' MINIMUM COVER.
- SANITARY SEWER SERVICE WYES ARE STATIONED FROM THE DOWN STREAM MANHOLE.
- SANITARY SEWER INVERTS ARE SHOWN AT THE CURB STOP.
- SANITARY SEWER & WATER SERVICES SHALL BE CONSTRUCTED TO THE R/W WHERE THERE IS NO SIDEWALK, AND 10' BEYOND THE R/W WHERE THERE IS SIDEWALK.
- SLEEVES ARE NOT PERMITTED FOR JOINING WATERMAIN. ALLOW ROOM TO DEFLECT PIPE TO JOIN PIPE AT BELLS OR FITTINGS (EXCLUDING SLEEVES).



BENCHMARKS	
1.	Minnesota Department of Transportation GSD Station #66054 (Name: PUMA MNDT RM 1). Elev.= 884.89 ft.
2.	Minnesota Department of Transportation GSD Station #902 (Name: H 257). Elev.= 982.76 ft.

PEARSON STREET NW ↔ 145TH LANE NW

RABBIT STREET NW



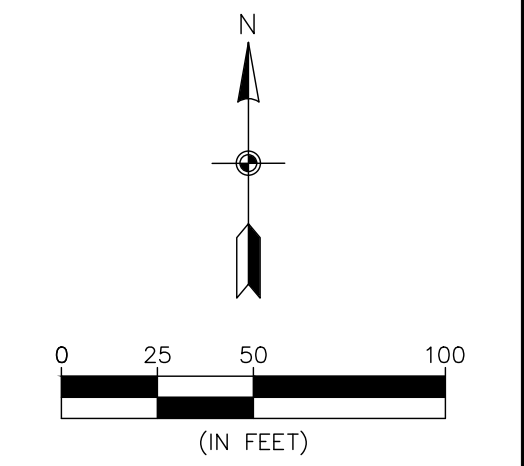
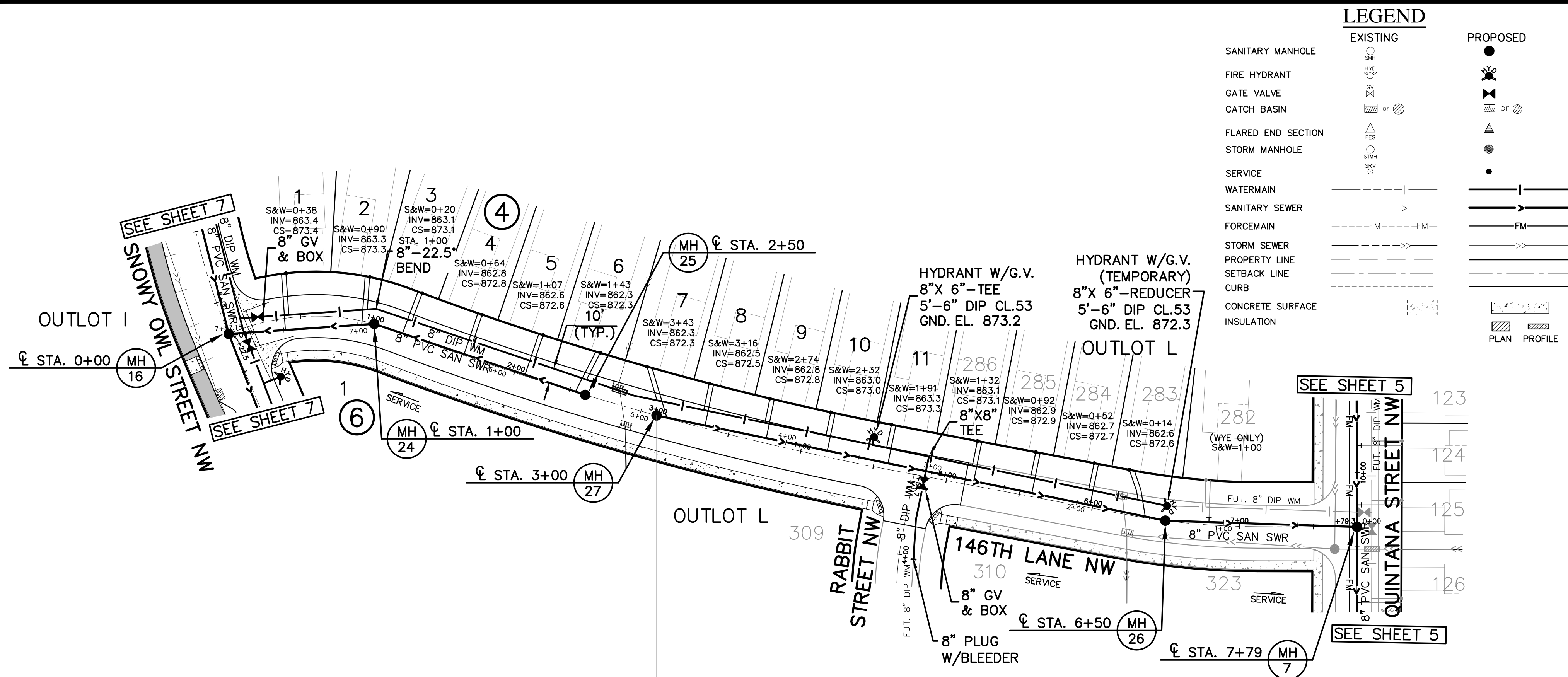
CARLSON MCCAIN ENGINEERING SURVEYING ENVIRONMENTAL
 3890 PHEASANT RIDGE DR NE SUITE 100 BLAINE, MN 55449
 TEL 763.489.7900 FAX 763.489.7959
 CARLSONMCCAIN.COM

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: Brian J. Krystofiak, P.E.
 Signature: *Brian J. Krystofiak*
 Date: 10/06/21 License #: 25063
 Drawn: NJP
 Designed: BJK
 Date: 10/06/21

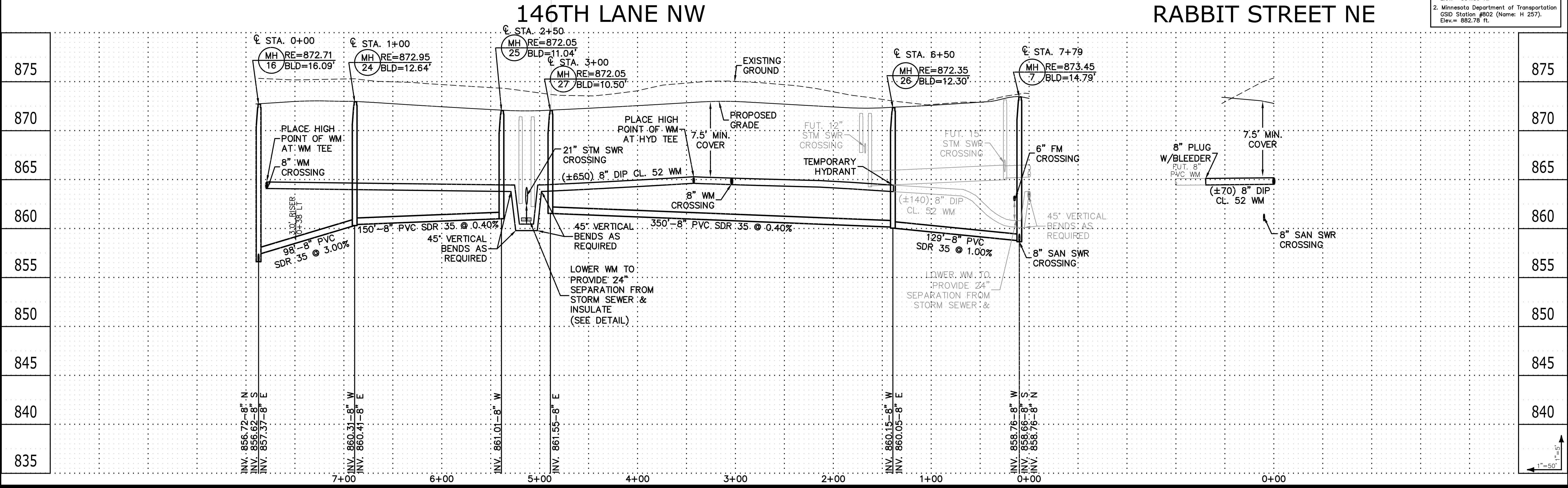
Revisions:
 RIVERSTONE DEVELOPMENT, LLC
 14015 Sunfish Lake B, Suite 400
 Ramsey, MN 55303

RIVERSTONE SOUTH
 1ST ADDITION
 Ramsey, MN

SANITARY SEWER & WATER MAIN



BENCHMARKS	
1. Minnesota Department of Transportation GSID Station #66054 (Name: PUMA MNDT RM 1). Elev.= 884.89 ft.	
2. Minnesota Department of Transportation GSID Station #902 (Name: H 257). Elev.= 982.76 ft.	



CARLSON McCAIN ENGINEERING SURVEYING ENVIRONMENTAL

3890 PHEASANT RIDGE DR NE
SUITE 100
BLAINE, MN 55449
TEL 763.489.7900
FAX 763.489.7959
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: Brian J. Krystofiak, P.E.
Signature: *Brian J. Krystofiak*
Date: 10/06/21 License #: 25063

Drawn: NJP
Designed: BJK
Date: 10/06/21

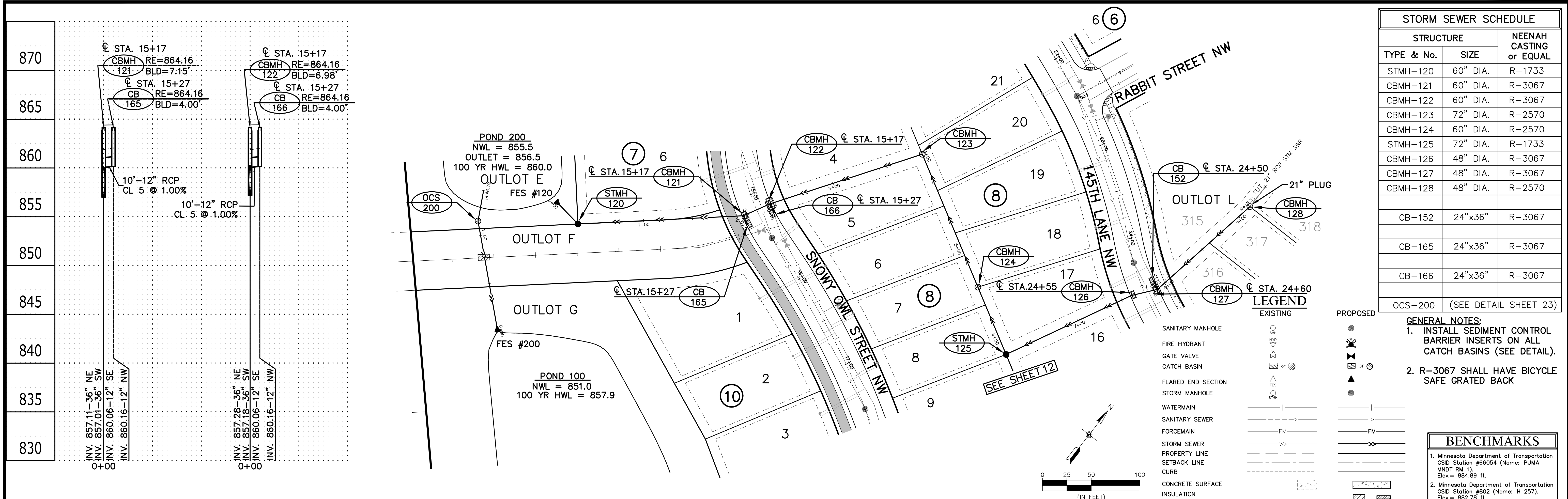
Revisions:

RIVERSTONE DEVELOPMENT, LLC
14015 Sunfish Lake B, Suite 400
Ramsey, MN 55303

RIVERSTONE SOUTH 1ST ADDITION
Ramsey, MN

SANITARY SEWER & WATER MAIN

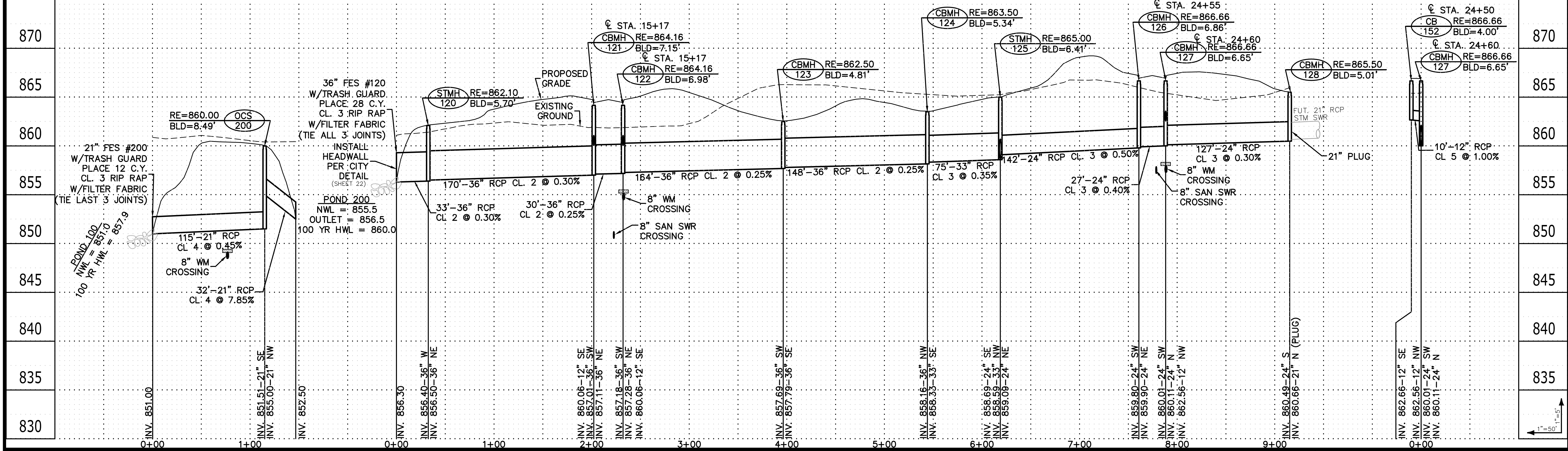
Save Date: 10/07/21 | F:\jpb\8481 - 8500\8494 - pearson place 2nd\cad\c3d\engineering\final\utility\1st addition\8494_utility.dwg



STORM SEWER SCHEDULE		
STRUCTURE	NEENAH CASTING or EQUAL	
STMH-120	60" DIA.	R-1733
CBMH-121	60" DIA.	R-3067
CBMH-122	60" DIA.	R-3067
CBMH-123	72" DIA.	R-2570
CBMH-124	60" DIA.	R-2570
STMH-125	72" DIA.	R-1733
CBMH-126	48" DIA.	R-3067
CBMH-127	48" DIA.	R-3067
CBMH-128	48" DIA.	R-2570
CB-152	24"x36"	R-3067
CB-165	24"x36"	R-3067
CB-166	24"x36"	R-3067
OCS-200	(SEE DETAIL SHEET 23)	

- GENERAL NOTES:**
- INSTALL SEDIMENT CONTROL BARRIER INSERTS ON ALL CATCH BASINS (SEE DETAIL).
 - R-3067 SHALL HAVE BICYCLE SAFE GRATED BACK

BENCHMARKS	
1. Minnesota Department of Transportation GSD Station #66054 (Name: PUMA MNDOT RM 1) Elev. = 884.89 ft.	
2. Minnesota Department of Transportation GSD Station #802 (Name: H 257) Elev. = 882.78 ft.	



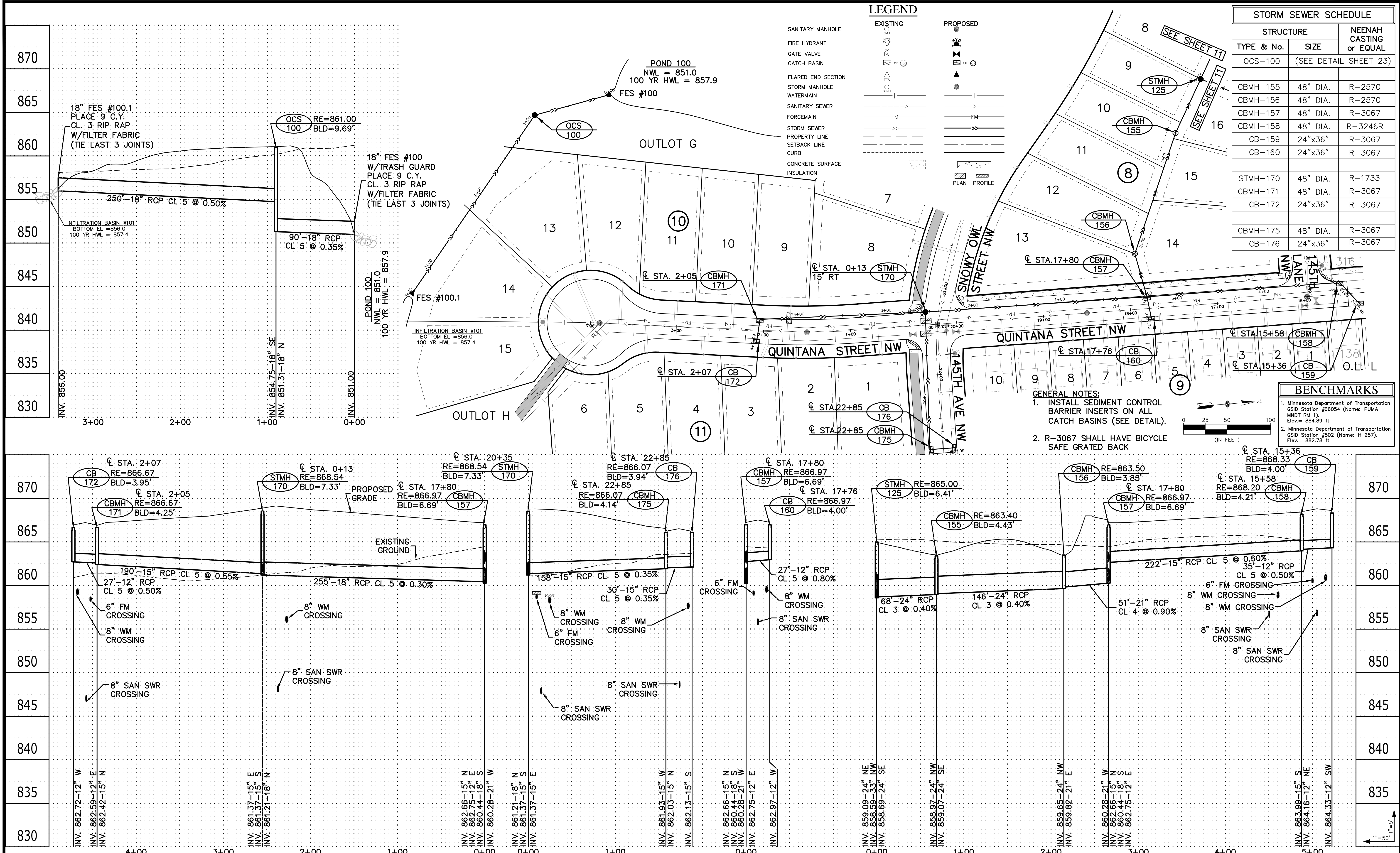
CARLSON McCAIN
ENGINEERING SURVEYING ENVIRONMENTAL
3890 PHEASANT RIDGE DR NE SUITE 100 BLAINE, MN 55449 TEL 763.489.7900 FAX 763.489.7959 CARLSONMCCAIN.COM

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: Brian J. Krystofiak, P.E.
Signature: *Brian J. Krystofiak*
Date: 10/06/21 License #: 25063
Drawn: NJP
Designed: BJK
Date: 10/06/21

Revisions:
RIVERSTONE DEVELOPMENT, LLC
14015 Sunfish Lake B, Suite 400
Ramsey, MN 55303

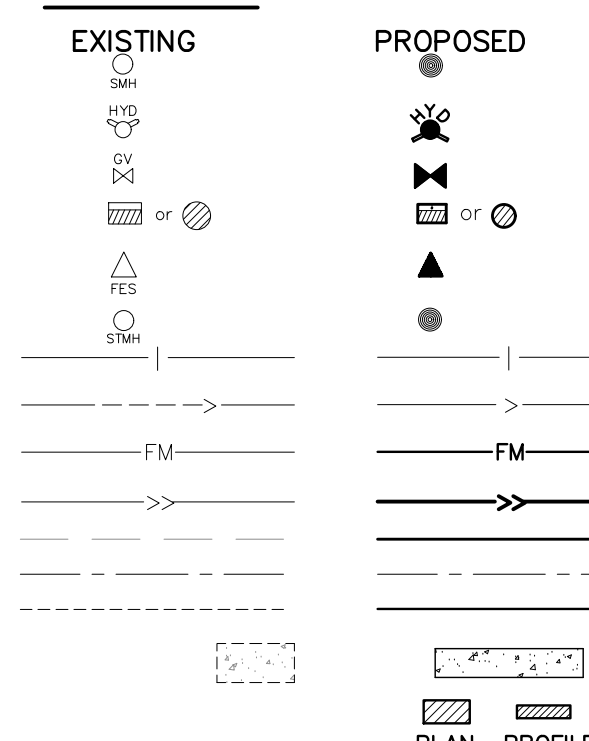
RIVERSTONE SOUTH
1ST ADDITION
Ramsey, MN

STORM SEWER



LEGEND

- SANITARY MANHOLE
- FIRE HYDRANT
- GATE VALVE
- CATCH BASIN
- FLARED END SECTION
- STORM MANHOLE
- WATERMAIN
- SANITARY SEWER
- FORCEMAIN
- STORM SEWER
- PROPERTY LINE
- SETBACK LINE
- CURB
- CONCRETE SURFACE
- INSULATION

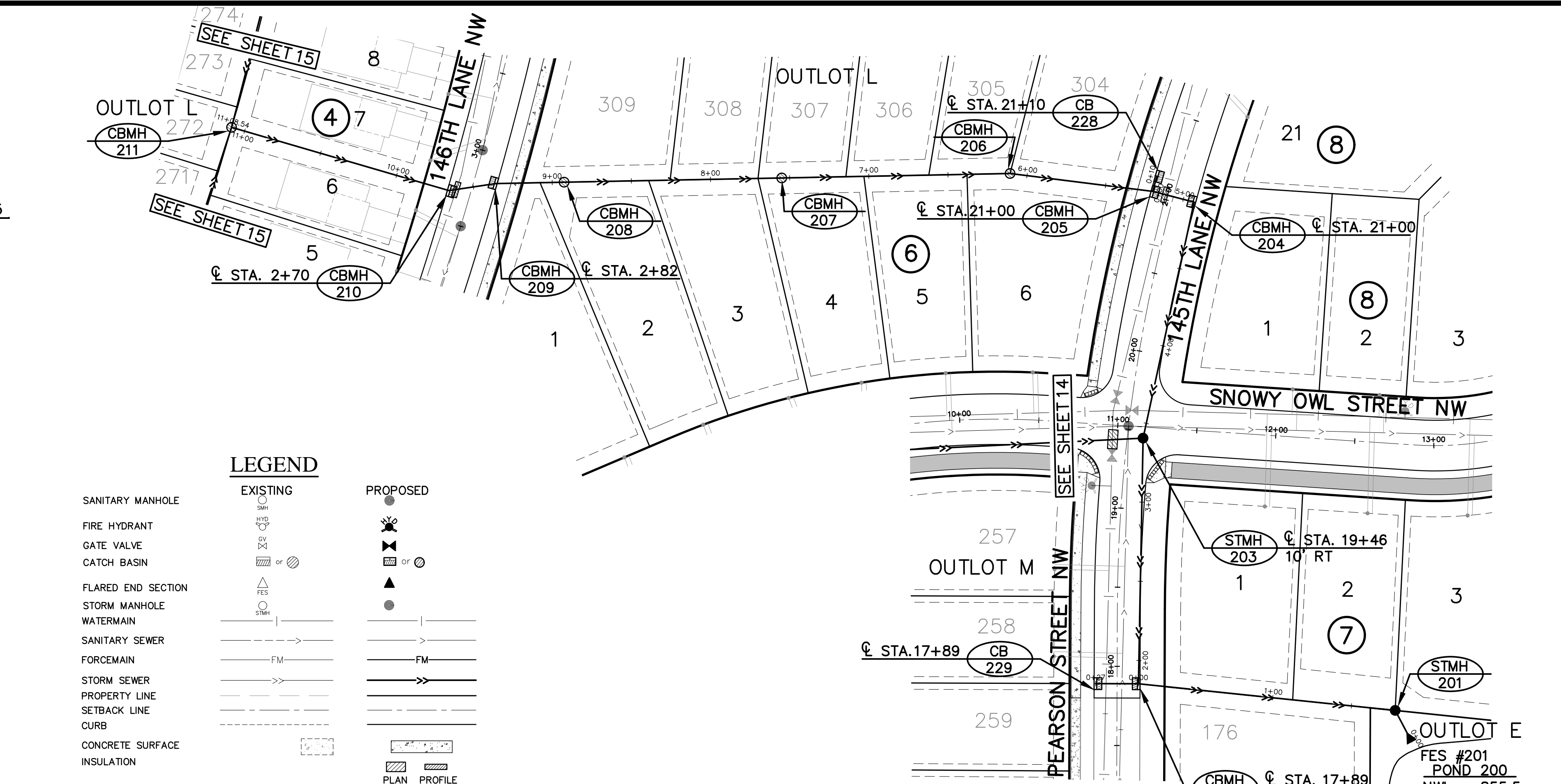
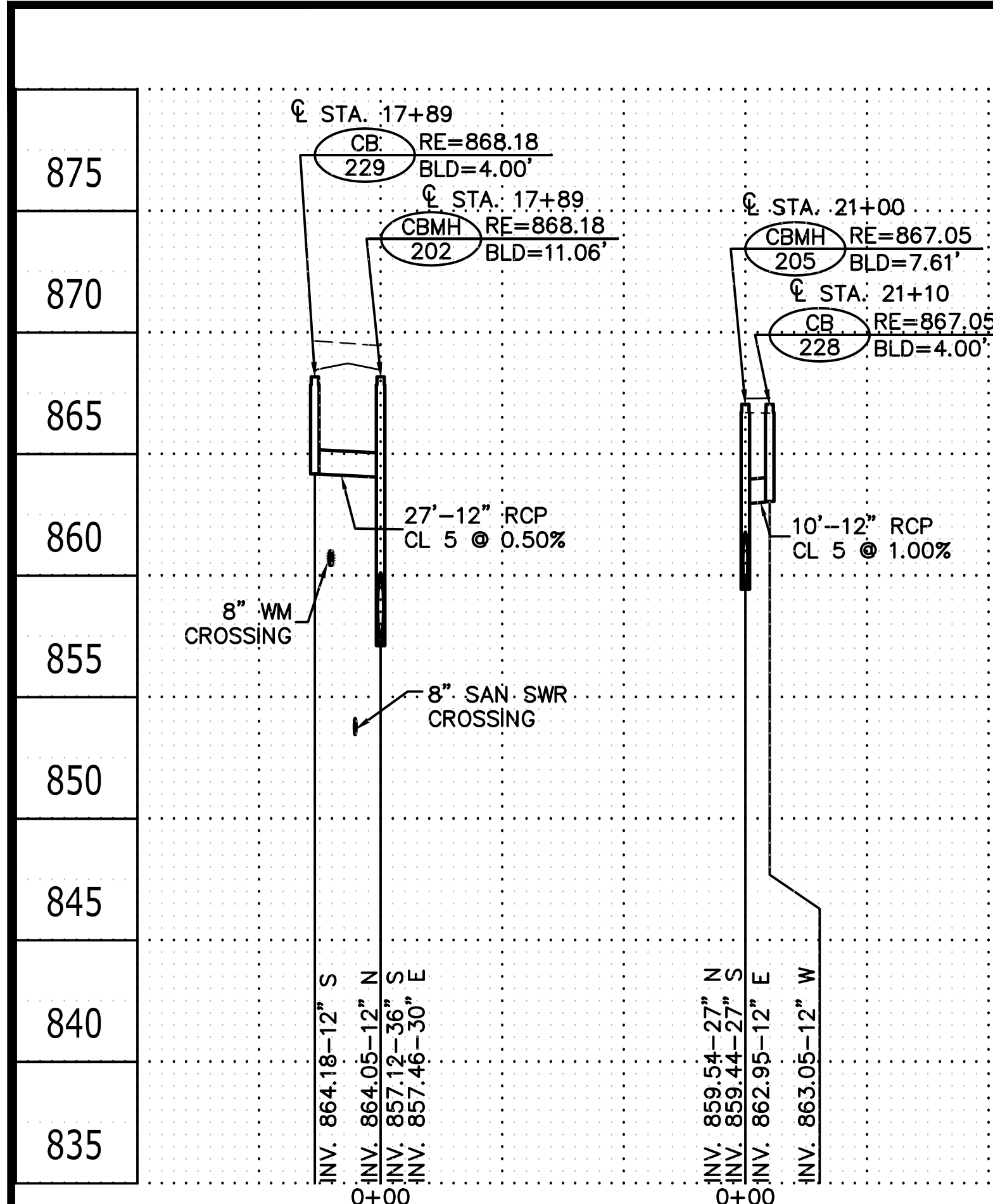


STORM SEWER SCHEDULE		
STRUCTURE	SIZE	NEENAH CASTING or EQUAL
OCS-100	(SEE DETAIL SHEET 23)	
CBMH-155	48" DIA.	R-2570
CBMH-156	48" DIA.	R-2570
CBMH-157	48" DIA.	R-3067
CBMH-158	48" DIA.	R-3246R
CB-159	24"x36"	R-3067
CB-160	24"x36"	R-3067
STMH-170	48" DIA.	R-1733
CBMH-171	48" DIA.	R-3067
CB-172	24"x36"	R-3067
CBMH-175	48" DIA.	R-3067
CB-176	24"x36"	R-3067

- GENERAL NOTES:**
- INSTALL SEDIMENT CONTROL BARRIER INSERTS ON ALL CATCH BASINS (SEE DETAIL).
 - R-3067 SHALL HAVE BICYCLE SAFE GRATED BACK

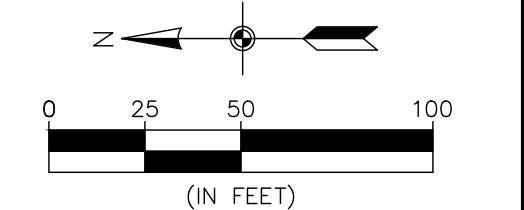
BENCHMARKS	
1. Minnesota Department of Transportation GSD Station #66054 (Name: PUMA MNDT RM 1). Elev. = 864.89 ft.	
2. Minnesota Department of Transportation GSD Station #602 (Name: H 257). Elev. = 892.78 ft.	

<p>CARLSON McCAIN ENGINEERING SURVEYING ENVIRONMENTAL</p>	<p>3890 PHEASANT RIDGE DR NE SUITE 100 BLAINE, MN 55449 TEL 763.489.7900 FAX 763.489.7959 CARLSONMCCAIN.COM</p>	<p>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</p>	<p>Print Name: Brian J. Krystofiak, P.E. Signature: <i>Brian J. Krystofiak</i> Date: 10/06/21 License #: 25063</p>	<p>Drawn: NJP Designed: BJK Date: 10/06/21</p>	<p>Revisions:</p>	<p>RIVERSTONE DEVELOPMENT, LLC 14015 Sunfish Lake B, Suite 400 Ramsey, MN 55303</p>	<p>RIVERSTONE SOUTH 1ST ADDITION Ramsey, MN</p>	<p>STORM SEWER</p>	<p>12 of 26</p>
			<p>Save Date: 10/07/21 F:\jpb\8481 - 8500\8494 - pearson place 2ndcad c3d\engineering\final\utility\1st addition\8494_utility.dwg</p>						

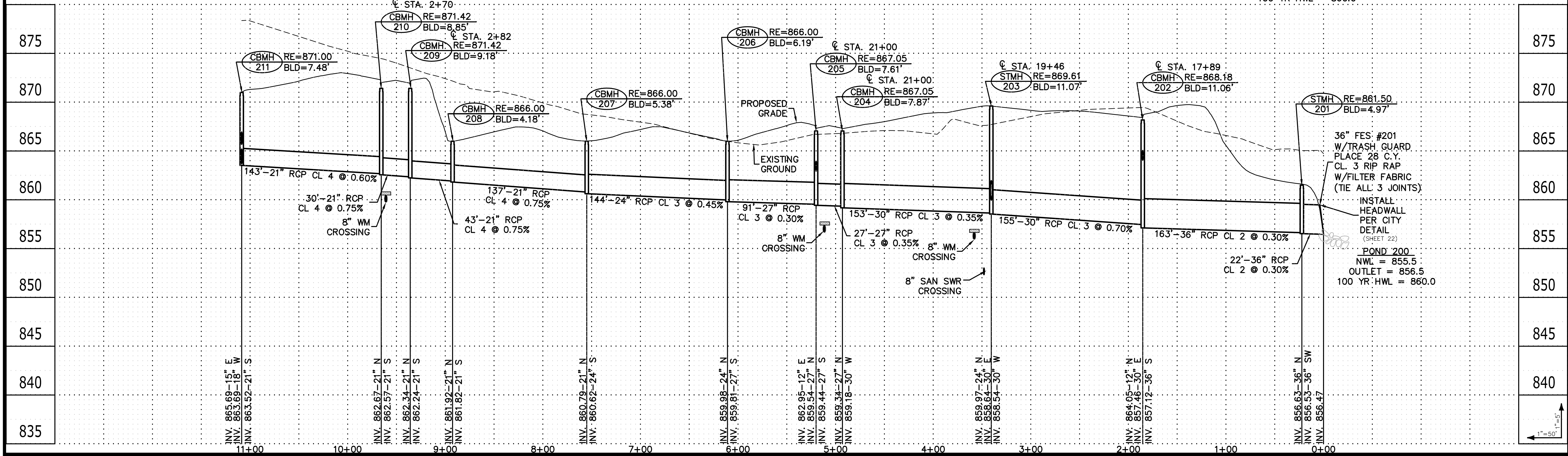
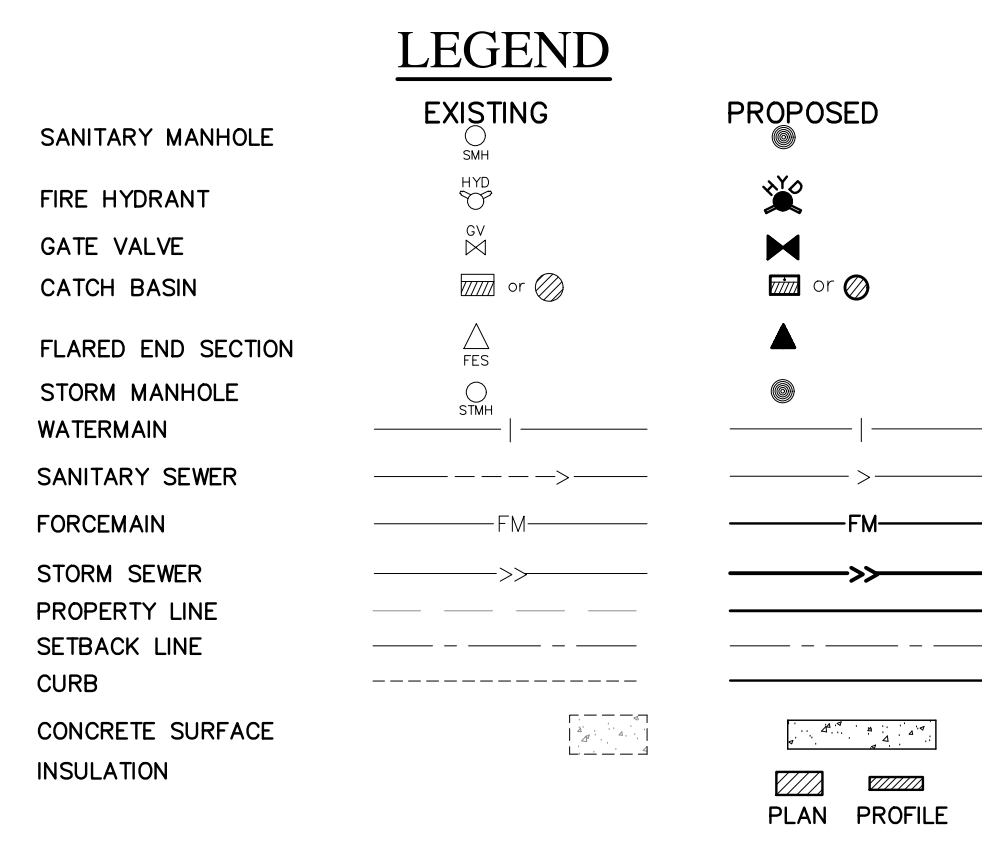


STORM SEWER SCHEDULE		
STRUCTURE	NEENAH CASTING or EQUAL	
TYPE & No.	SIZE	
STMH-201	60" DIA.	R-1733
CBMH-202	72" DIA.	R-3067
STMH-203	72" DIA.	R-1733
CBMH-204	72" DIA.	R-3067
CBMH-205	48" DIA.	R-3067
CBMH-206	48" DIA.	R-2570
CBMH-207	48" DIA.	R-2570
CBMH-208	48" DIA.	R-2570
CBMH-209	48" DIA.	R-3067
CBMH-210	48" DIA.	R-3067
CBMH-211	48" DIA.	R-2570
CB-228	24"X36"	R-3067
CB-229	24"X36"	R-3067

- GENERAL NOTES:**
- INSTALL SEDIMENT CONTROL BARRIER INSERTS ON ALL CATCH BASINS (SEE DETAIL).
 - R-3067 SHALL HAVE BICYCLE SAFE GRATED BACK



BENCHMARKS	
1. Minnesota Department of Transportation GSD Station #66054 (Name: PUMA MNDOT FM 1)	Elev. = 884.89 ft.
2. Minnesota Department of Transportation GSD Station #802 (Name: H 257)	Elev. = 882.78 ft.



36" FES: #201
W/TRASH GUARD
PLACE 28 C.Y.
CL. 3 RIP RAP
W/FILTER FABRIC
(TIE ALL 3 JOINTS)

INSTALL HEADWALL PER CITY DETAIL (SHEET 22)

POND #200
NWL = 855.5
OUTLET = 856.5
100 YR. HWL = 860.0

CARLSON MCCAIG ENGINEERING SURVEYING ENVIRONMENTAL

3890 PHEASANT RIDGE DR NE
SUITE 100
BLAINE, MN 55449
TEL 763.489.7900
FAX 763.489.7959
CARLSONMCCAIG.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: Brian J. Krystofiak, P.E.
Signature: *Brian J. Krystofiak*
Date: 10/06/21 License #: 25063

Drawn: NJP
Designed: BJK
Date: 10/06/21

Revisions:

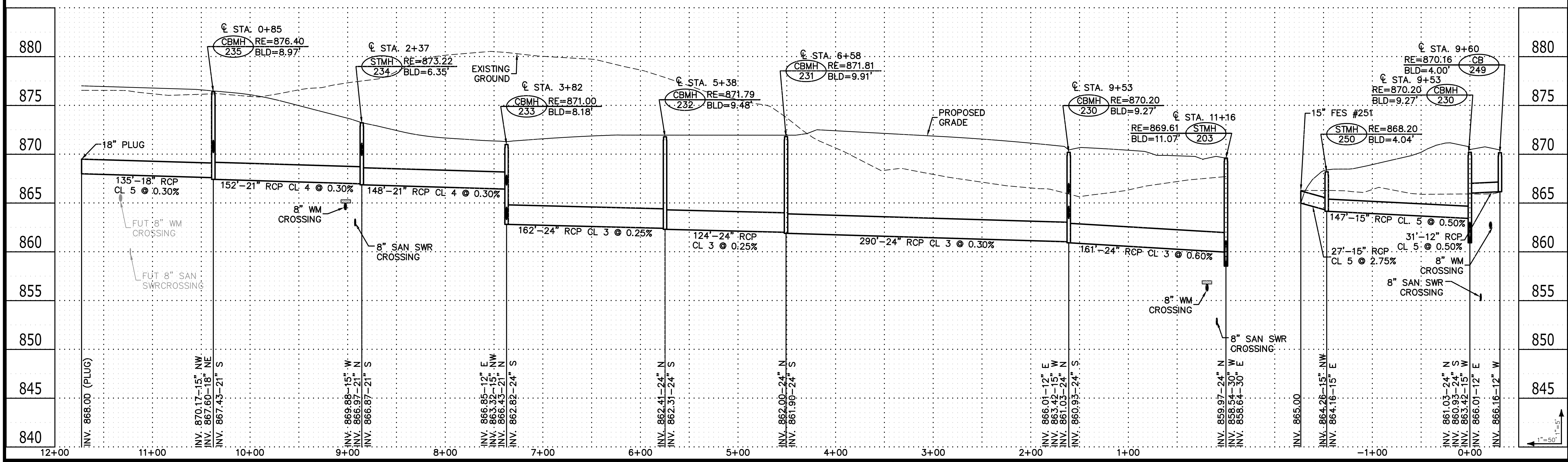
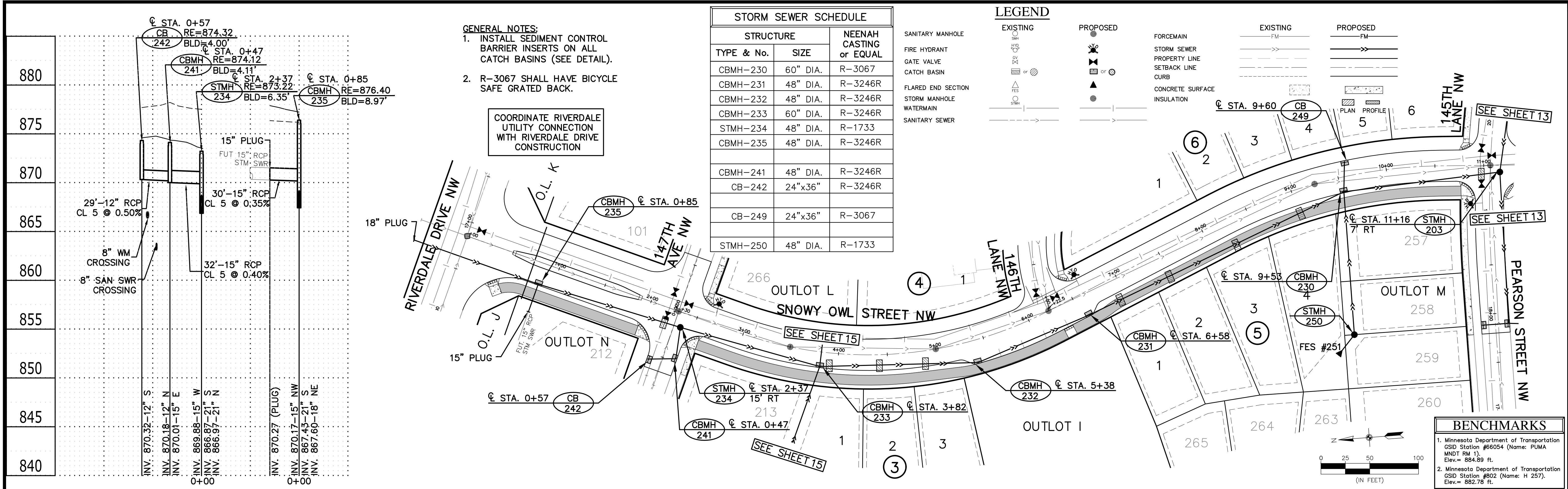
RIVERSTONE DEVELOPMENT, LLC
14015 Sunfish Lake B, Suite 400
Ramsey, MN 55303

RIVERSTONE SOUTH 1ST ADDITION
Ramsey, MN

STORM SEWER

13 of 26

#8494



CARLSON McCAIN ENGINEERING SURVEYING ENVIRONMENTAL
 3890 PHEASANT RIDGE DR NE SUITE 100 BLAINE, MN 55449 TEL 763.489.7900 FAX 763.489.7959 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: Brian J. Krystofiak, P.E.
 Signature: *Brian J. Krystofiak*
 Date: 10/06/21 License #: 25063

Drawn: NJP
 Designed: BJK
 Date: 10/06/21

Revisions:

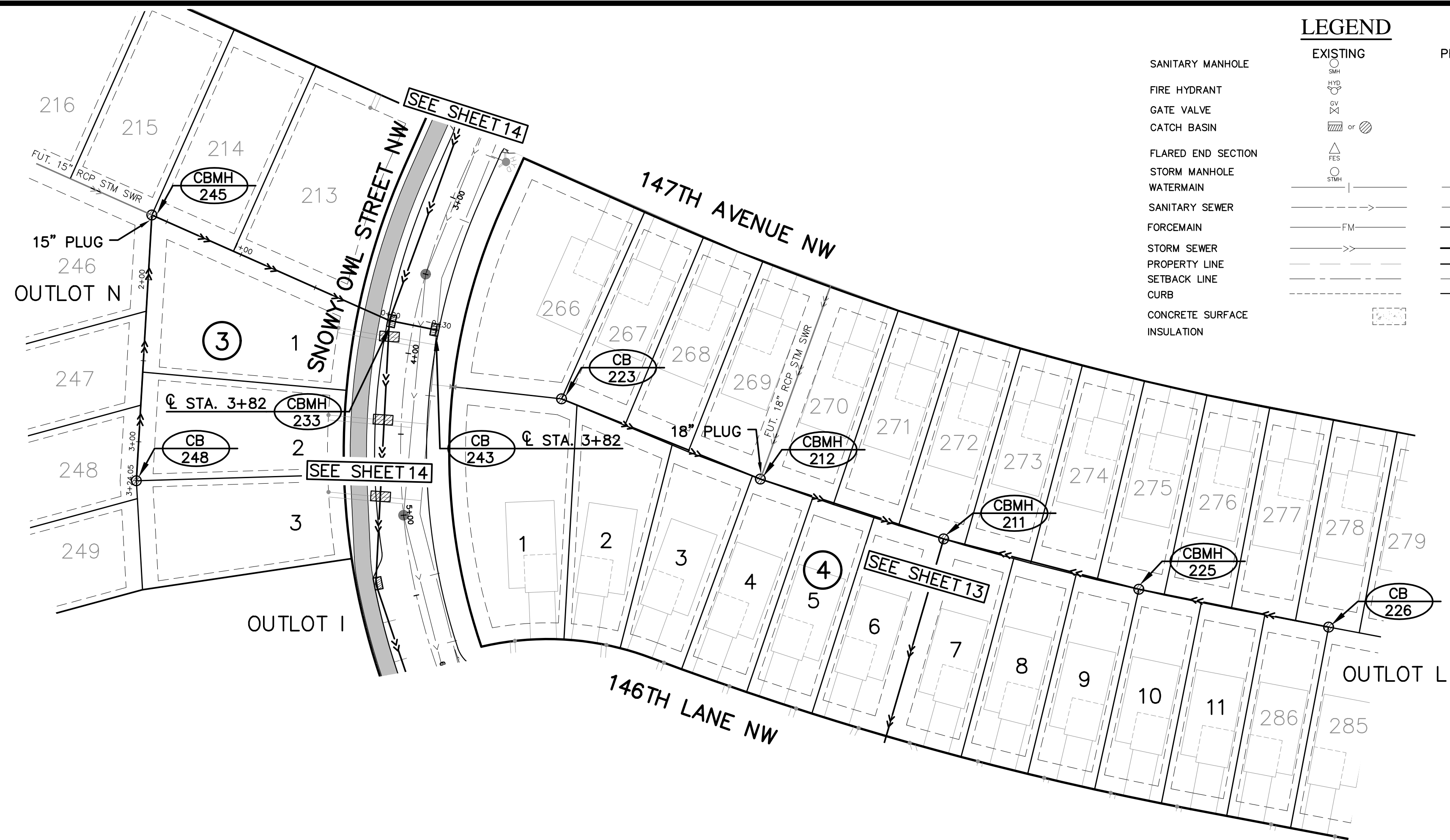
RIVERSTONE DEVELOPMENT, LLC
 14015 Sunfish Lake B, Suite 400
 Ramsey, MN 55303

RIVERSTONE SOUTH 1ST ADDITION
 Ramsey, MN

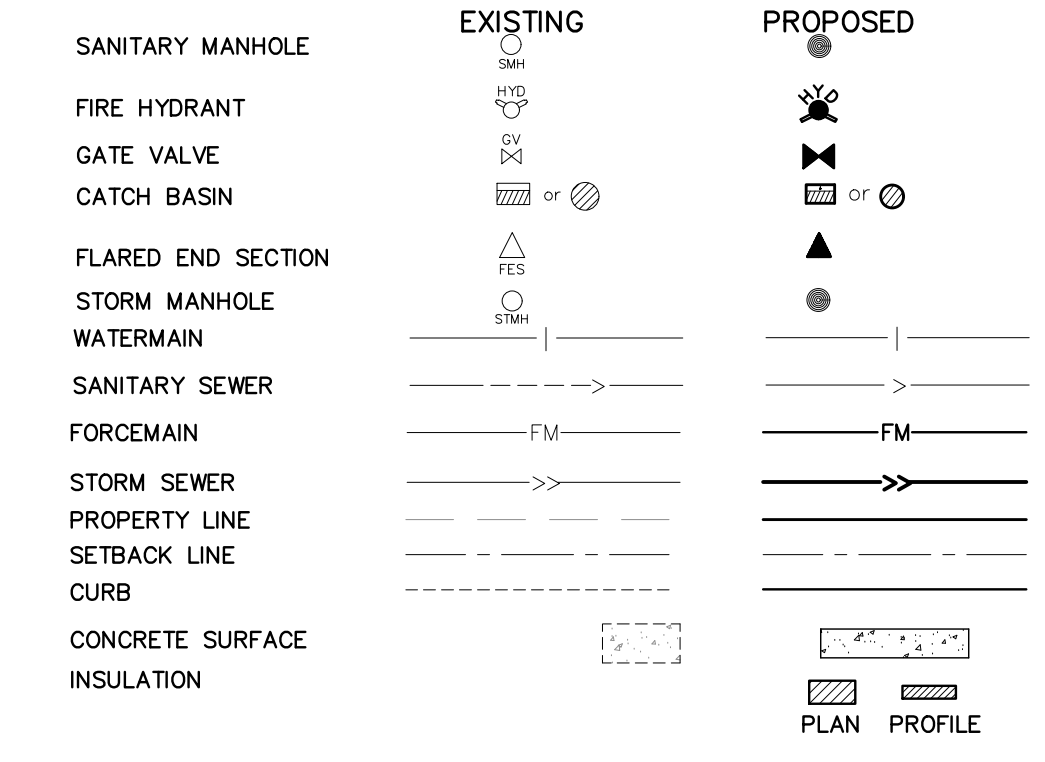
STORM SEWER

14 of 26

#8494

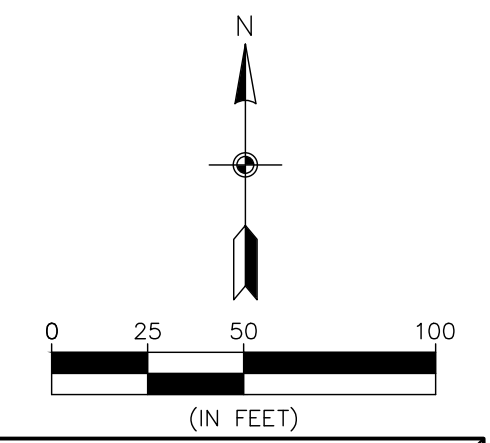


LEGEND

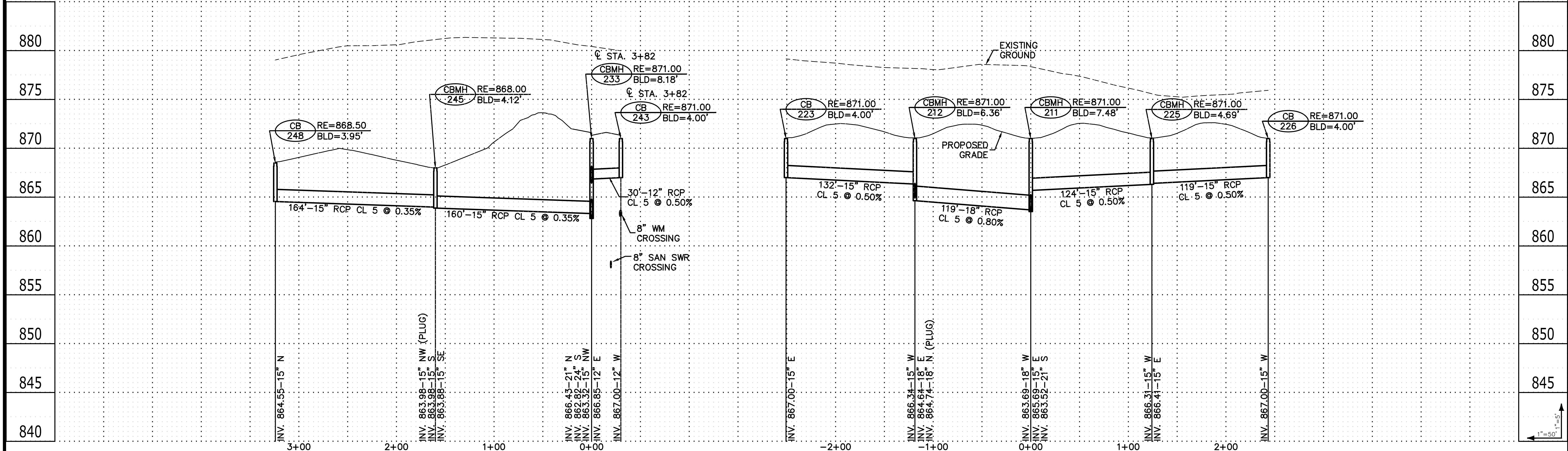


STORM SEWER SCHEDULE		
STRUCTURE		NEENAH CASTING or EQUAL
TYPE & No.	SIZE	
CBMH-212	48" DIA.	R-2570
CB-223	27" DIA.	R-2570
CBMH-225	48" DIA.	R-2570
CB-226	27" DIA.	R-2570
CB-243	24"x36"	R-3246R
CBMH-245	48" DIA.	R-2570
CB-248	27" DIA.	R-2570

- GENERAL NOTES:**
- INSTALL SEDIMENT CONTROL BARRIER INSERTS ON ALL CATCH BASINS (SEE DETAIL).
 - R-3067 SHALL HAVE BICYCLE SAFE GRATED BACK.



BENCHMARKS	
1. Minnesota Department of Transportation GSD Station #66054 (Name: PUMA MNDT RM 1) Elev.= 884.89 ft.	
2. Minnesota Department of Transportation GSD Station #802 (Name: H 257) Elev.= 882.78 ft.	



CARLSON McCAIN ENGINEERING SURVEYING ENVIRONMENTAL
 3890 PHEASANT RIDGE DR NE SUITE 100 BLAINE, MN 55449
 TEL 763.489.7900 FAX 763.489.7959
 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: Brian J. Krystofiak, P.E.
 Signature: *Brian J. Krystofiak*
 Date: 10/06/21 License #: 25063
 Drawn: NJP
 Designed: BJK
 Date: 10/06/21

Revisions:
 RIVERSTONE DEVELOPMENT, LLC
 14015 Sunfish Lake B, Suite 400
 Ramsey, MN 55303

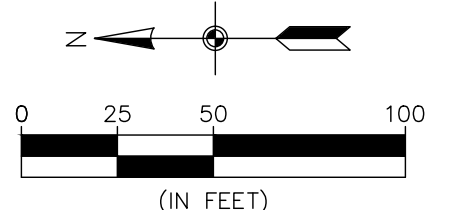
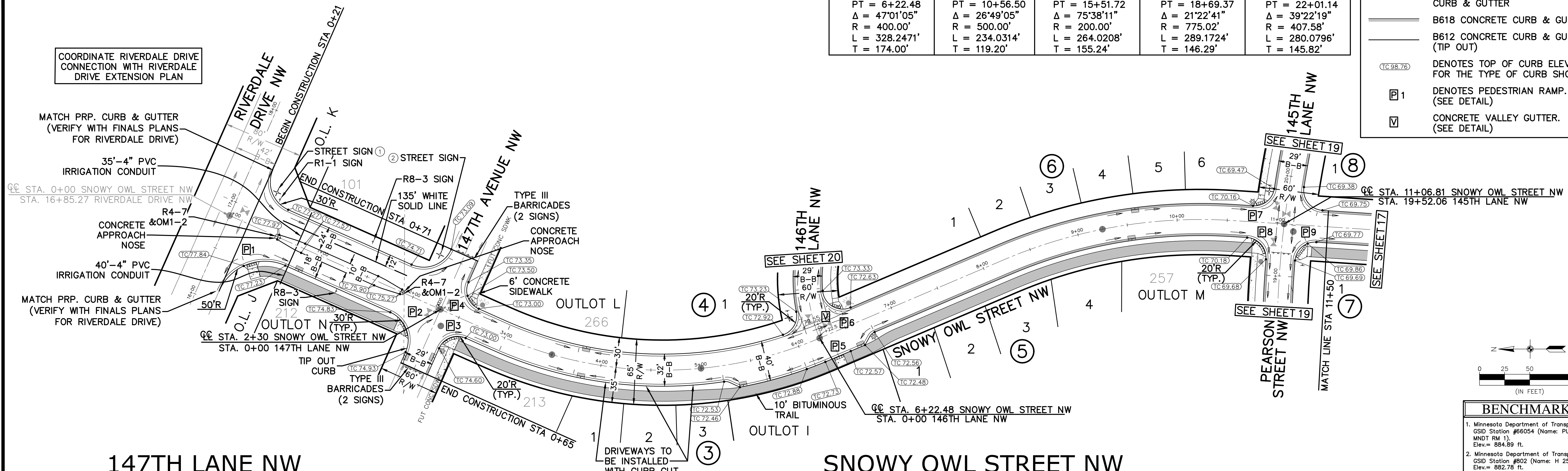
RIVERSTONE SOUTH
 1ST ADDITION
 Ramsey, MN

STORM SEWER

COORDINATE RIVERDALE DRIVE CONNECTION WITH RIVERDALE DRIVE EXTENSION PLAN

C CURVE DATA (SNOWY OWL STREET NW/145TH AVENUE NW)				
PC = 2+94.23	PC = 8+22.47	PC = 12+87.70	PC = 15+80.20	PC = 19+21.06
PT = 6+22.48	PT = 10+56.50	PT = 15+51.72	PT = 18+69.37	PT = 22+01.14
$\Delta = 47^{\circ}01'05''$	$\Delta = 26^{\circ}49'05''$	$\Delta = 75^{\circ}38'11''$	$\Delta = 21^{\circ}22'41''$	$\Delta = 39^{\circ}22'19''$
R = 400.00'	R = 500.00'	R = 200.00'	R = 775.02'	R = 407.58'
L = 328.2471'	L = 234.0314'	L = 264.0208'	L = 289.1724'	L = 280.0796'
T = 174.00'	T = 119.20'	T = 155.24'	T = 146.29'	T = 145.82'

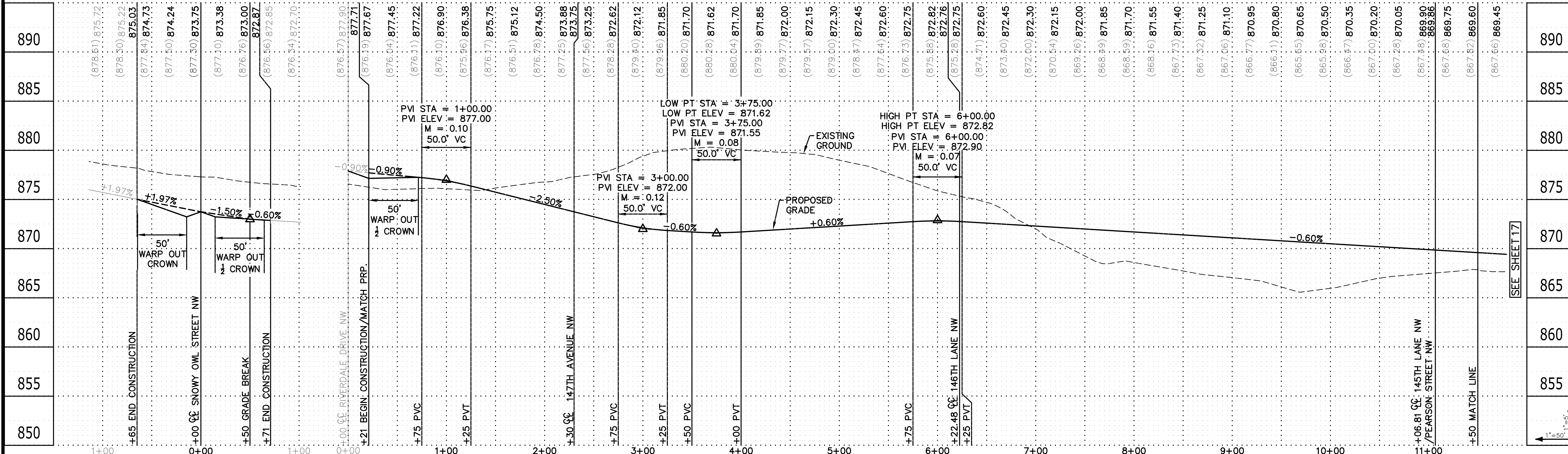
CURB TYPES LEGEND	
	SURMOUNTABLE CONCRETE CURB & GUTTER
	B618 CONCRETE CURB & GUTTER
	B612 CONCRETE CURB & GUTTER (TIP OUT)
	TC 98.76 DENOTES TOP OF CURB ELEVATION FOR THE TYPE OF CURB SHOWN.
	P1 DENOTES PEDESTRIAN RAMP. (SEE DETAIL)
	V CONCRETE VALLEY GUTTER. (SEE DETAIL)



BENCHMARKS	
1.	Minnesota Department of Transportation GSD Station #66054 (Name: PUMA MNDT RM 1). Elev. = 884.89 ft.
2.	Minnesota Department of Transportation GSD Station #802 (Name: H 257). Elev. = 882.78 ft.

147TH LANE NW

SNOWY OWL STREET NW



CARLSON McCAIN ENGINEERING SURVEYING ENVIRONMENTAL
 3890 PHEASANT RIDGE DR NE SUITE 100 BLAINE, MN 55449
 TEL 763.489.7900 FAX 763.489.7959 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: Brian J. Krystofiak, P.E.
 Signature: *Brian J. Krystofiak*
 Date: 10/06/21 License #: 25063
 Drawn: NJP
 Designed: BJK
 Date: 10/06/21

Revisions:
RIVERSTONE DEVELOPMENT, LLC
 14015 Sunfish Lake B, Suite 400
 Ramsey, MN 55303

RIVERSTONE SOUTH
 1ST ADDITION
 Ramsey, MN

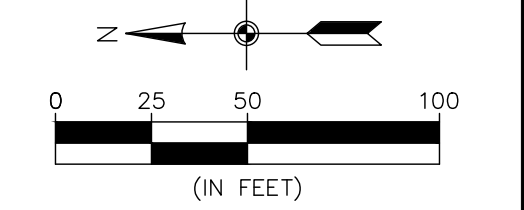
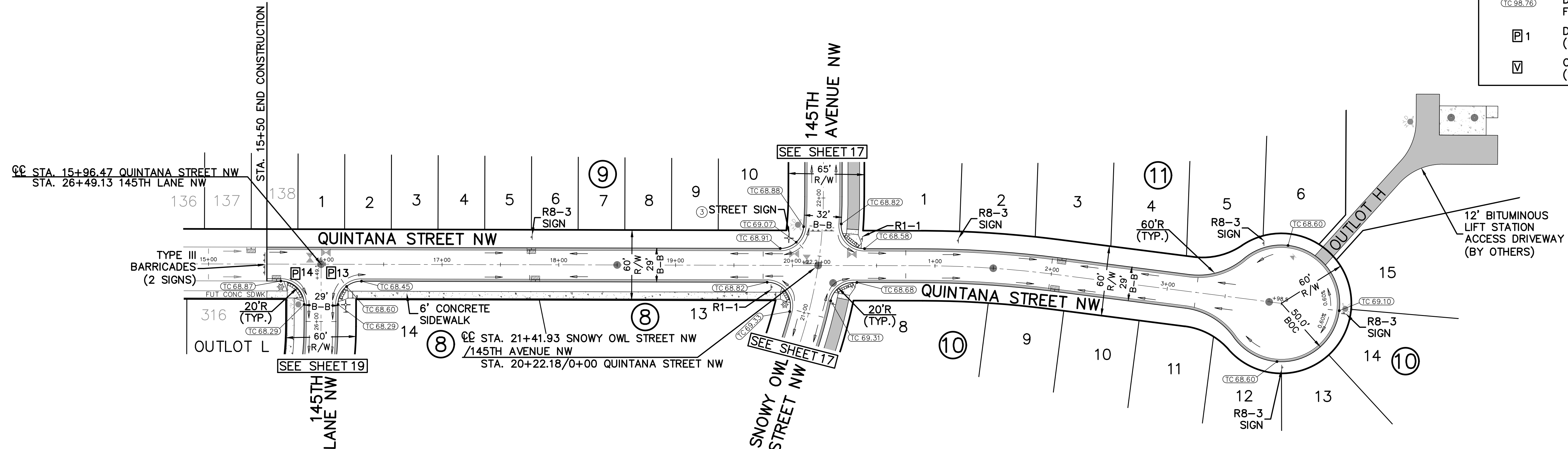
STREET CONSTRUCTION

☉ CURVE DATA (QUINTANA STREET NW (CUL-DE-SAC))

PC = 0+89.62
PT = 2+02.15
Δ = 7°09'52"
R = 900.00'
L = 112.5389'
T = 56.34'

CURB TYPES LEGEND

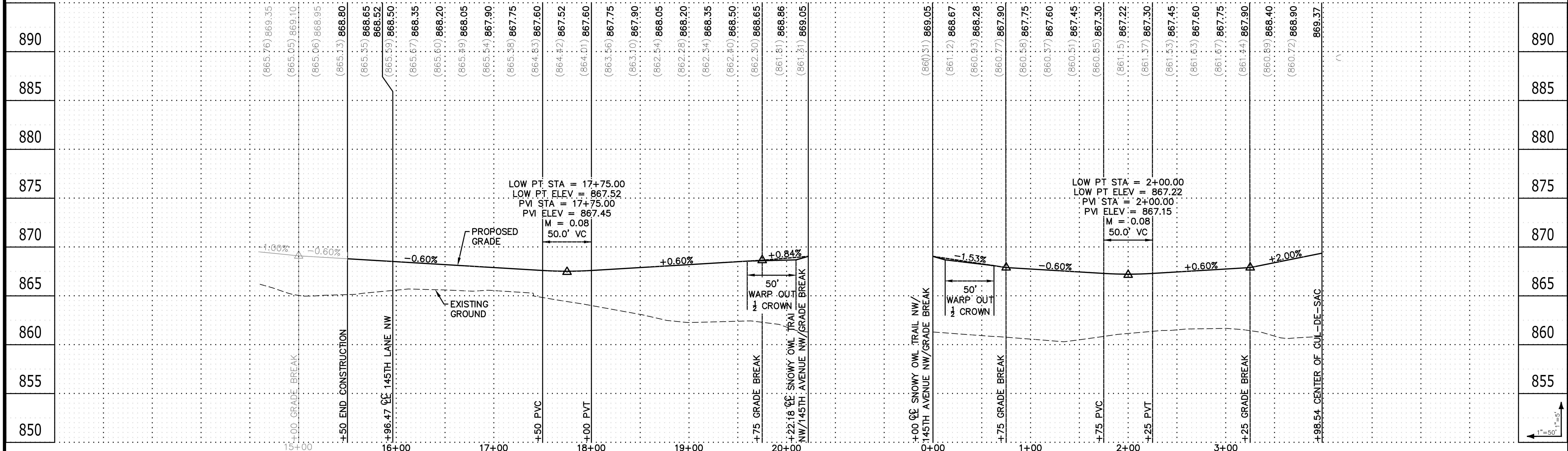
	SURMOUNTABLE CONCRETE CURB & GUTTER
	B618 CONCRETE CURB & GUTTER
	B612 CONCRETE CURB & GUTTER (TIP OUT)
	☉ DENOTES TOP OF CURB ELEVATION FOR THE TYPE OF CURB SHOWN.
	☐1 DENOTES PEDESTRIAN RAMP. (SEE DETAIL)
	☑ CONCRETE VALLEY GUTTER. (SEE DETAIL)



BENCHMARKS

- Minnesota Department of Transportation
GSID Station #66054 (Name: PUMA MNDT RM 1)
Elev. = 884.89 ft.
- Minnesota Department of Transportation
GSID Station #802 (Name: H 257)
Elev. = 882.78 ft.

QUINTANA STREET NW



CARLSON McCAIN ENGINEERING SURVEYING ENVIRONMENTAL
 3890 PHEASANT RIDGE DR NE SUITE 100 BLAINE, MN 55449 TEL 763.489.7900 FAX 763.489.7959 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: Brian J. Krystofiak, P.E.
 Signature: *Brian J. Krystofiak*
 Date: 10/06/21 License #: 25063
 Drawn: NJP
 Designed: BJK
 Date: 10/06/21

Revisions:
 R1: 10/06/21

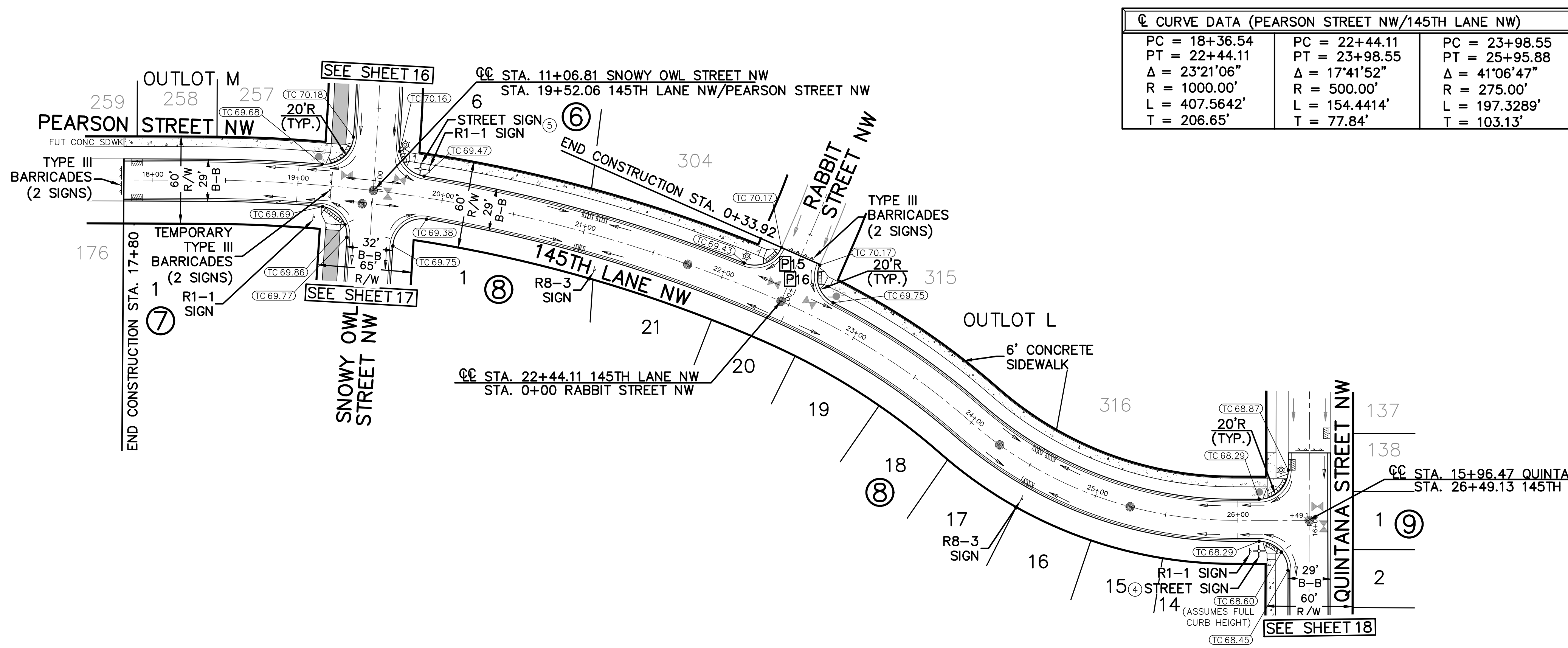
RIVERSTONE DEVELOPMENT, LLC
 14015 Sunfish Lake B, Suite 400
 Ramsey, MN 55303

RIVERSTONE SOUTH 1ST ADDITION
 Ramsey, MN

STREET CONSTRUCTION

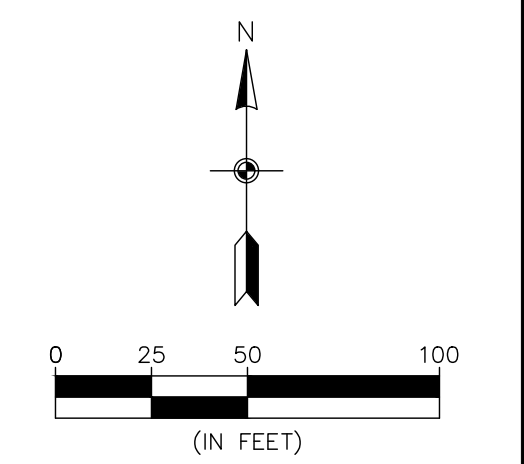
SIGN SCHEDULE			
SIGN	SIGN NO.	SIZE	QUANTITY
	R1-1	30" x 30"	7
	R8-3	12" x 12"	11
	R4-7	24" x 30"	2
	OM1-2	18" x 18"	2
	TYPE III BARRICADES		20
+	STREET SIGN		6

STREET NAME SIGNS	
NAMES	QUANTITY
1 Riverdale Dr NW Snowy Owl St. NW	1
2 Snowy Owl St. NW 147th Ave NW	1
3 Snowy Owl St. NW 145th Ave NW Quintana St. NW	1
4 Quintana St. NW 145th Ln. NW	1
5 Snowy Owl St. NW Pearson St. NW 145th Ln. NW	1
6 Snowy Owl St. NW 146th Ln. NW	1



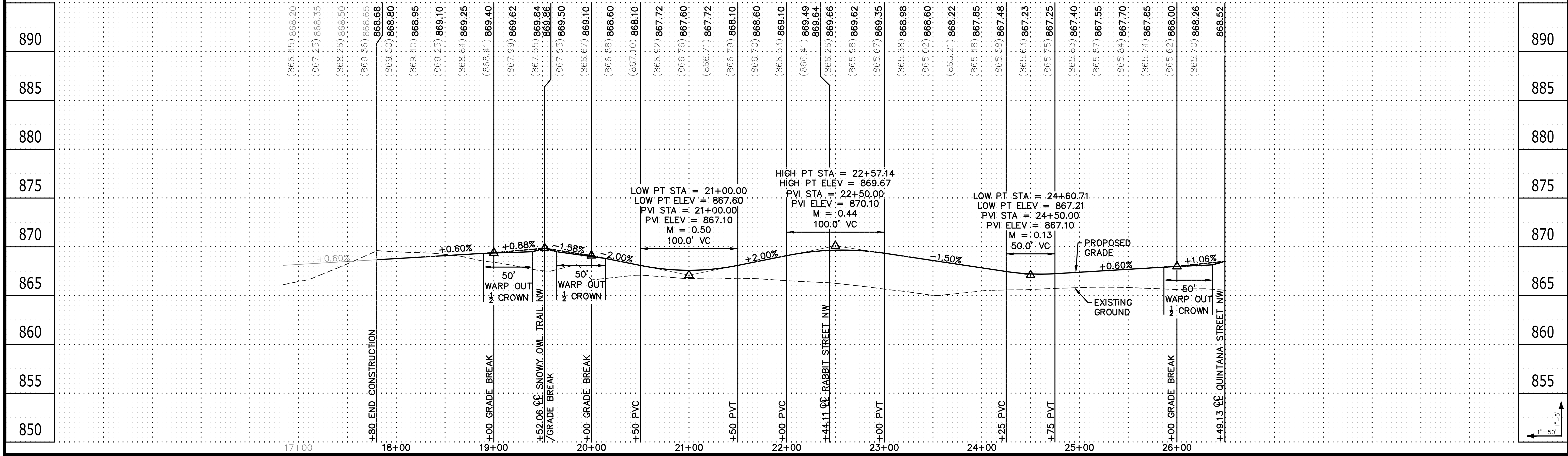
C CURVE DATA (PEARSON STREET NW/145TH LANE NW)		
PC = 18+36.54	PC = 22+44.11	PC = 23+98.55
PT = 22+44.11	PT = 23+98.55	PT = 25+95.88
Δ = 23°21'06"	Δ = 17°41'52"	Δ = 41°06'47"
R = 1000.00'	R = 500.00'	R = 275.00'
L = 407.5642'	L = 154.4414'	L = 197.3289'
T = 206.65'	T = 77.84'	T = 103.13'

CURB TYPES LEGEND	
	SURMOUNTABLE CONCRETE CURB & GUTTER
	B618 CONCRETE CURB & GUTTER
	B612 CONCRETE CURB & GUTTER (TIP OUT)
	DENOTES TOP OF CURB ELEVATION FOR THE TYPE OF CURB SHOWN.
	DENOTES PEDESTRIAN RAMP. (SEE DETAIL)
	CONCRETE VALLEY GUTTER. (SEE DETAIL)



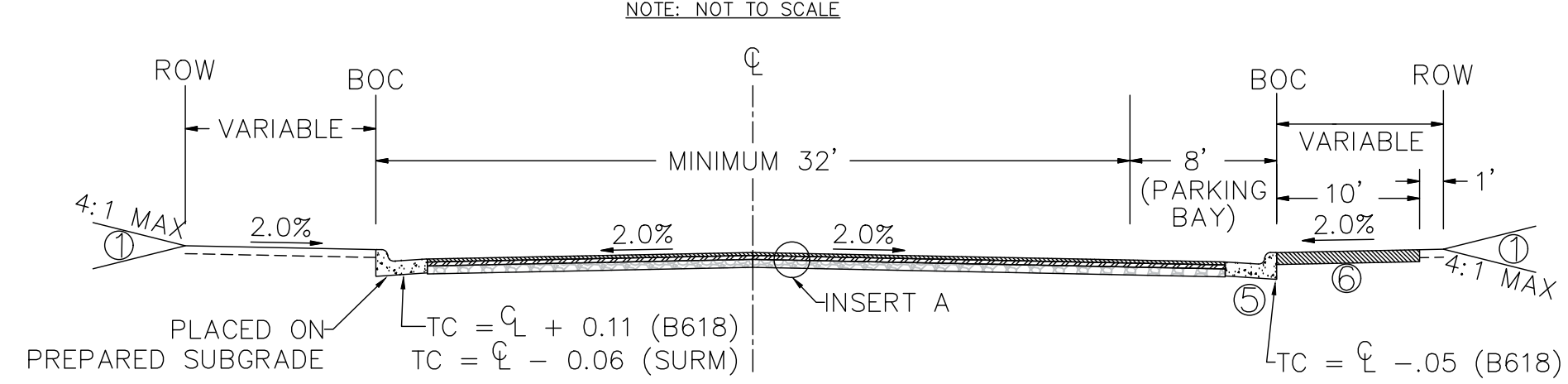
BENCHMARKS	
1. Minnesota Department of Transportation GSID Station #66054 (Name: PUMA MNDT RM 1). Elev. = 884.89 ft.	
2. Minnesota Department of Transportation GSID Station #802 (Name: H 257). Elev. = 882.78 ft.	

PEARSON STREET NW ↔ 145TH LANE NW

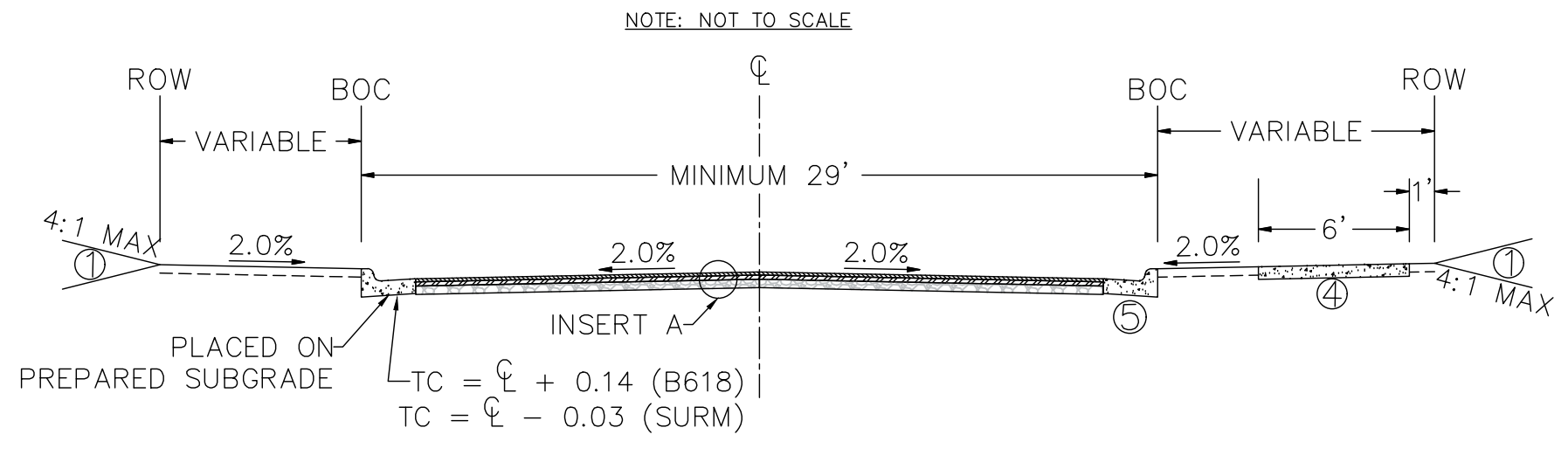


	3890 PHEASANT RIDGE DR NE SUITE 100 BLAINE, MN 55449 TEL 763.489.7900 FAX 763.489.7959 CARLSONMCCAIN.COM	I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota. Signature: <i>Brian J. Krystofiak</i> Date: 10/06/21 License #: 25063	Print Name: Brian J. Krystofiak, P.E. Drawn: NJP Designed: BJK Date: 10/06/21	Revisions:	RIVERSTONE DEVELOPMENT, LLC 14015 Sunfish Lake B, Suite 400 Ramsey, MN 55303	RIVERSTONE SOUTH 1ST ADDITION Ramsey, MN	STREET CONSTRUCTION	19 of 26
	Save Date: 10/07/21 F:\jobs\8481 - 8500\8494 - pearson place 2nd\cad\3d\engineering\final\utility\1st addition\8494_street.dwg							

32' - URBAN STREET
W/ PARKING BAY



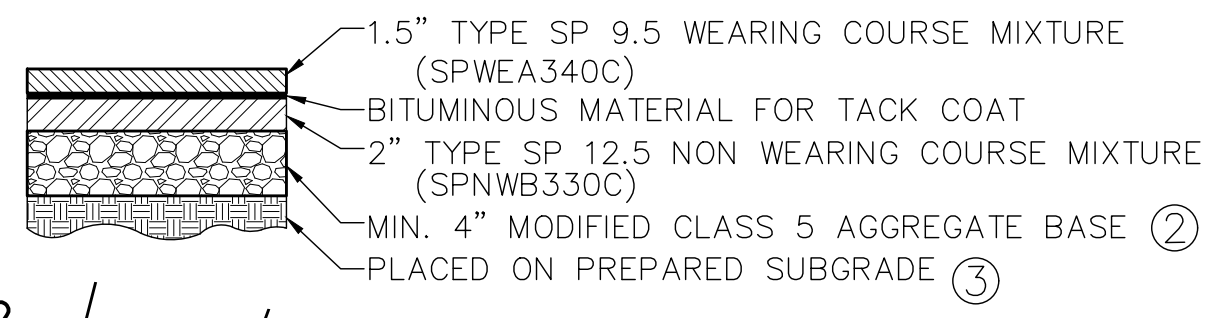
29' - URBAN STREET



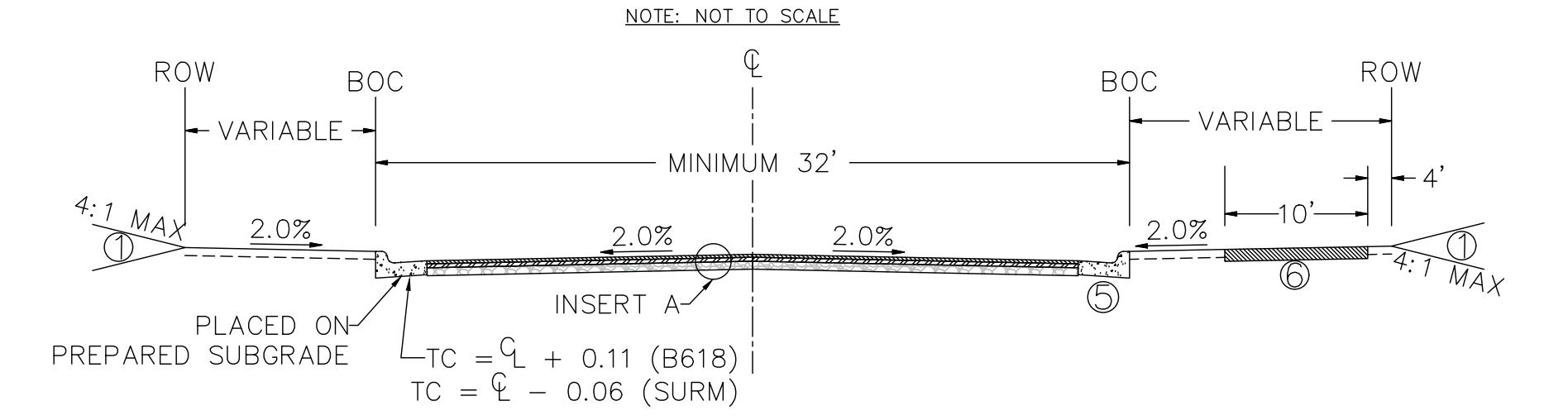
C CURVE DATA (146TH LANE NW)	
PC = 0+00.00	PC = 1+14.22
PT = 1+14.22	PT = 4+65.42
Δ = 43°37'49"	Δ = 9°51'15"
R = 150.00'	R = 2042.00'
L = 114.2237'	L = 351.1981'
T = 60.04'	T = 176.03'

CURB TYPES LEGEND	
	SURMOUNTABLE CONCRETE CURB & GUTTER
	B618 CONCRETE CURB & GUTTER
	B612 CONCRETE CURB & GUTTER (TIP OUT)
	TC 98.76 DENOTES TOP OF CURB ELEVATION FOR THE TYPE OF CURB SHOWN.
	P1 DENOTES PEDESTRIAN RAMP. (SEE DETAIL)
	V CONCRETE VALLEY GUTTER. (SEE DETAIL)

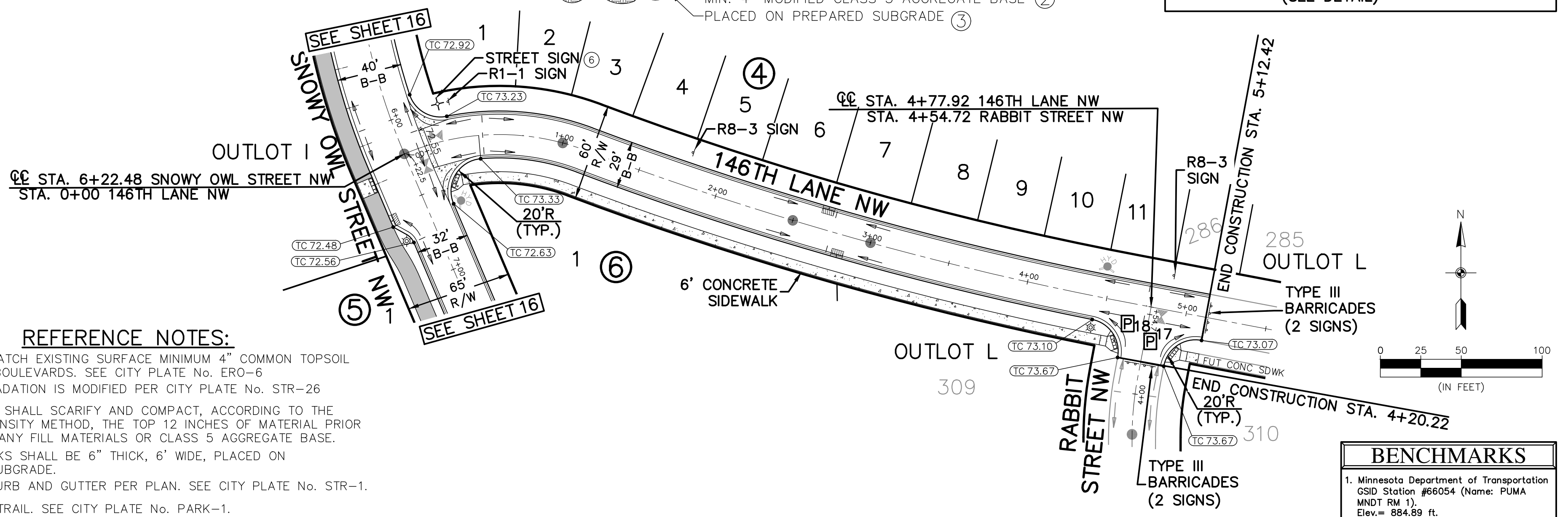
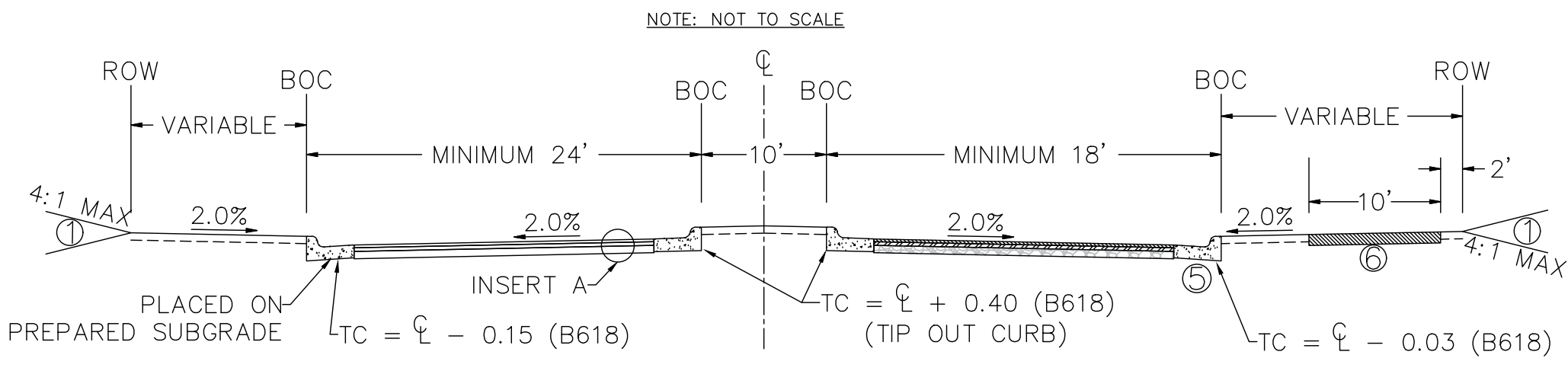
INSERT A:



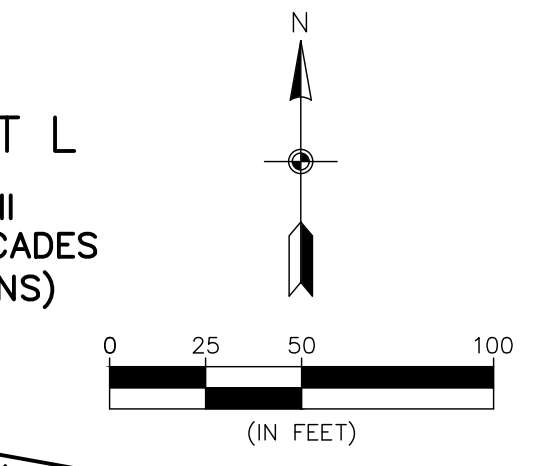
32' - URBAN STREET



ENTRANCE W/CENTER MEDIAN

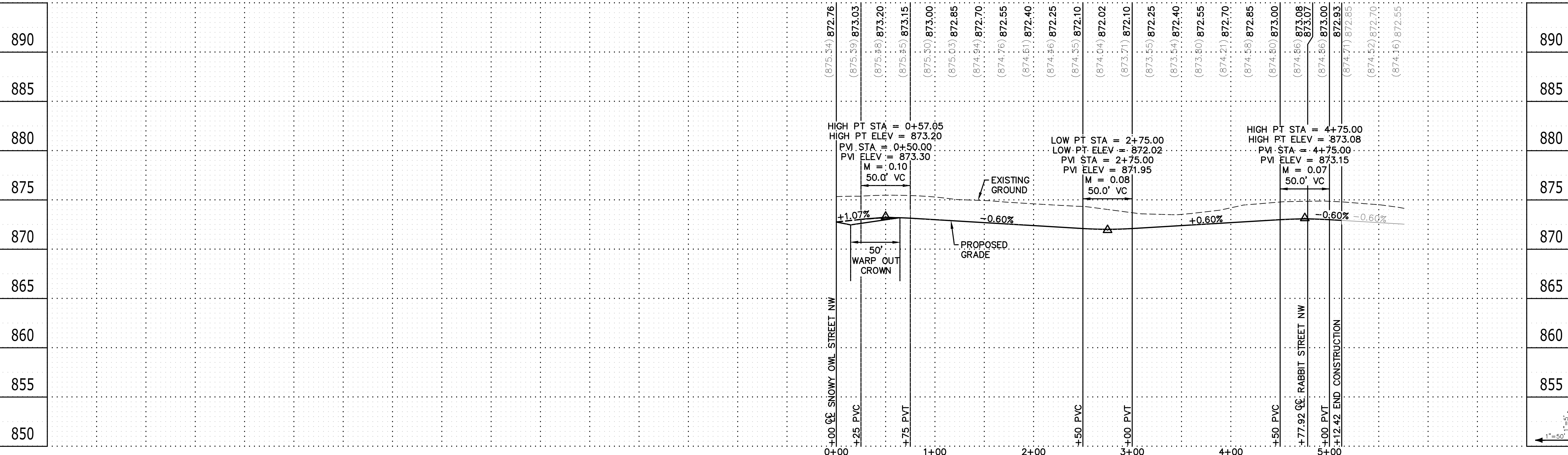


- REFERENCE NOTES:
- GRADE TO MATCH EXISTING SURFACE MINIMUM 4" COMMON TOPSOIL BORROW IN BOULEVARDS. SEE CITY PLATE No. ERO-6
 - CLASS 5 GRADATION IS MODIFIED PER CITY PLATE No. STR-26
 - CONTRACTOR SHALL SCARIFY AND COMPACT, ACCORDING TO THE SPECIFIED DENSITY METHOD, THE TOP 12 INCHES OF MATERIAL PRIOR TO PLACING ANY FILL MATERIALS OR CLASS 5 AGGREGATE BASE.
 - ALL SIDEWALKS SHALL BE 6" THICK, 6' WIDE, PLACED ON PREPARED SUBGRADE.
 - CONCRETE CURB AND GUTTER PER PLAN. SEE CITY PLATE No. STR-1.
 - BITUMINOUS TRAIL. SEE CITY PLATE No. PARK-1.



BENCHMARKS	
1.	Minnesota Department of Transportation GSID Station #66054 (Name: PUMA MNDT RM 1). Elev.= 884.89 ft.
2.	Minnesota Department of Transportation GSID Station #802 (Name: H 257). Elev.= 882.78 ft.

146TH LANE NW



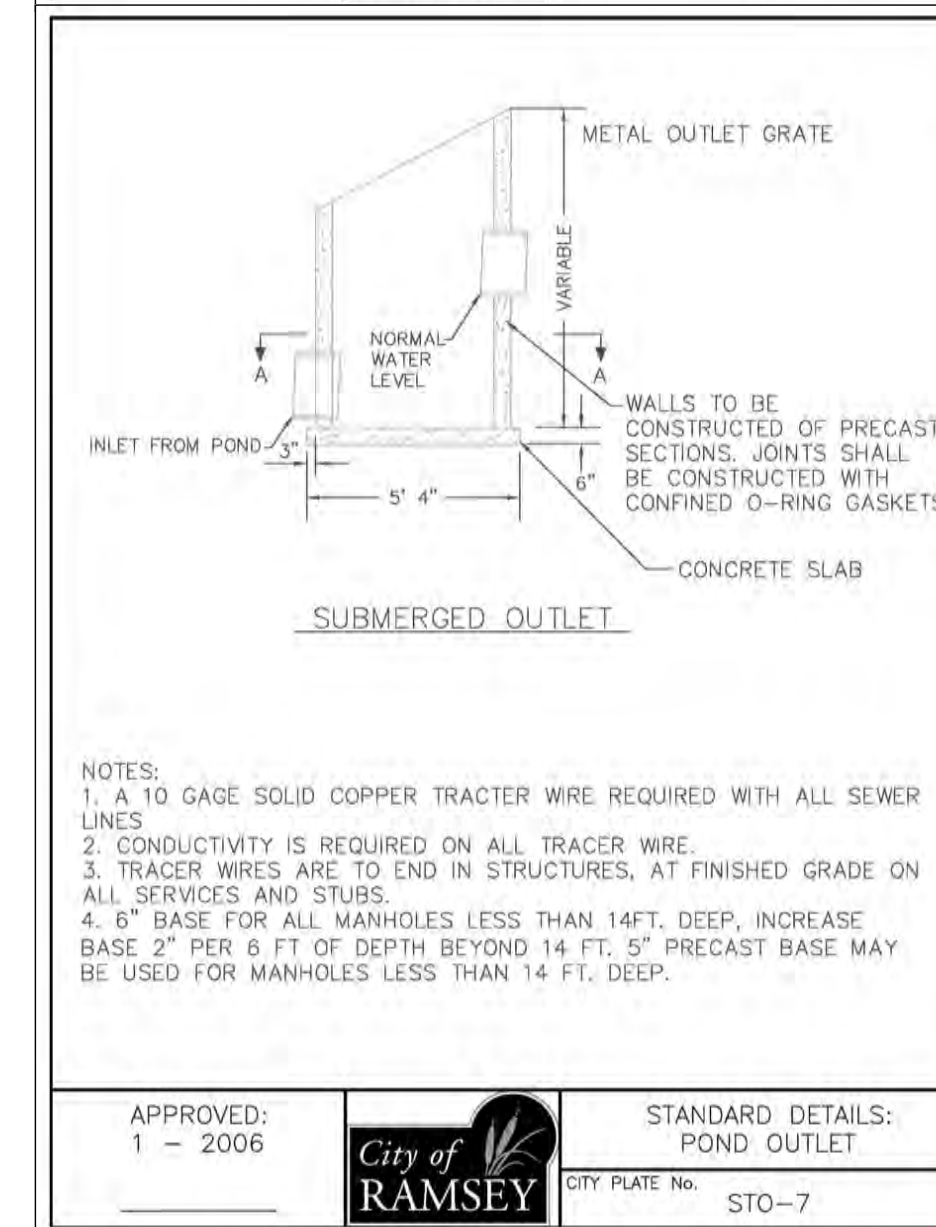
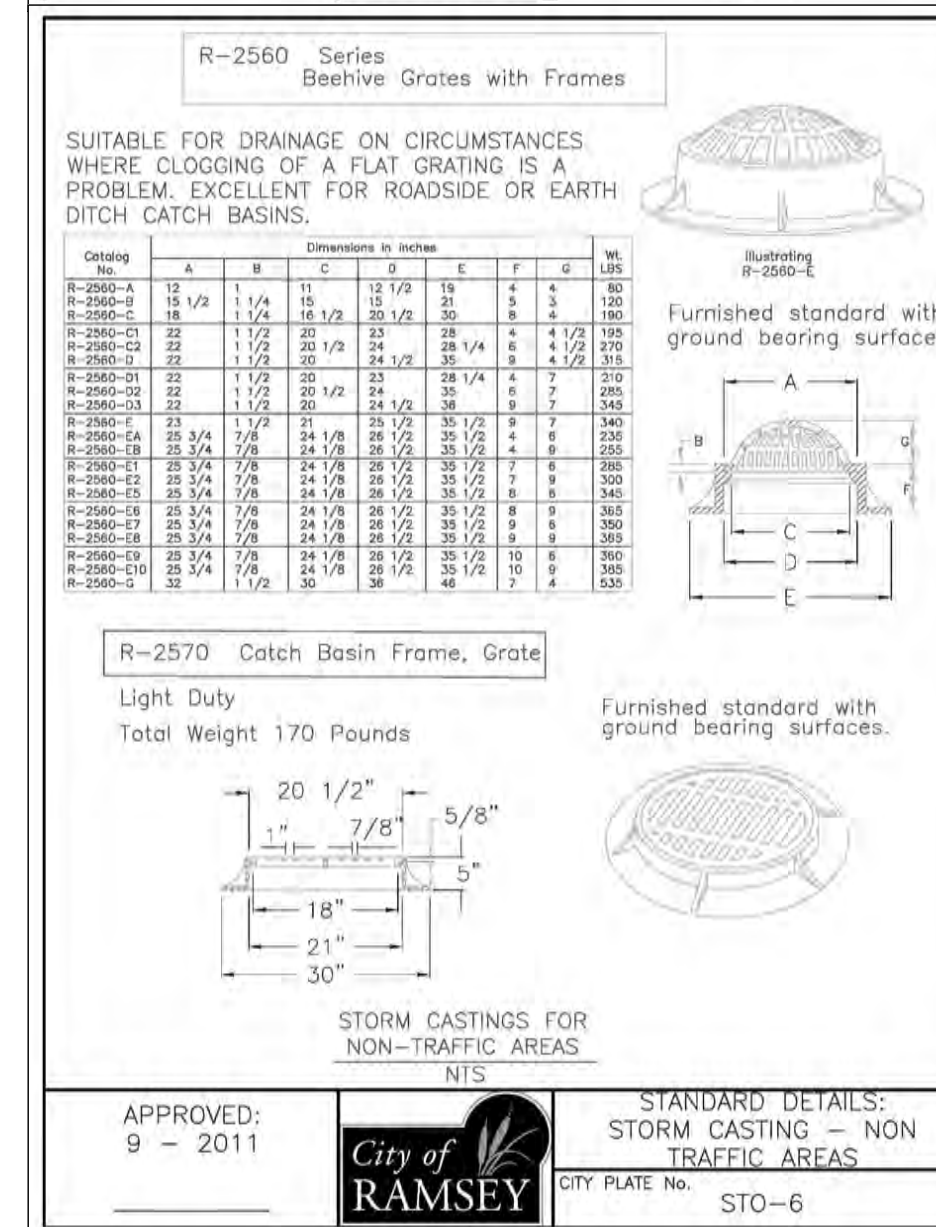
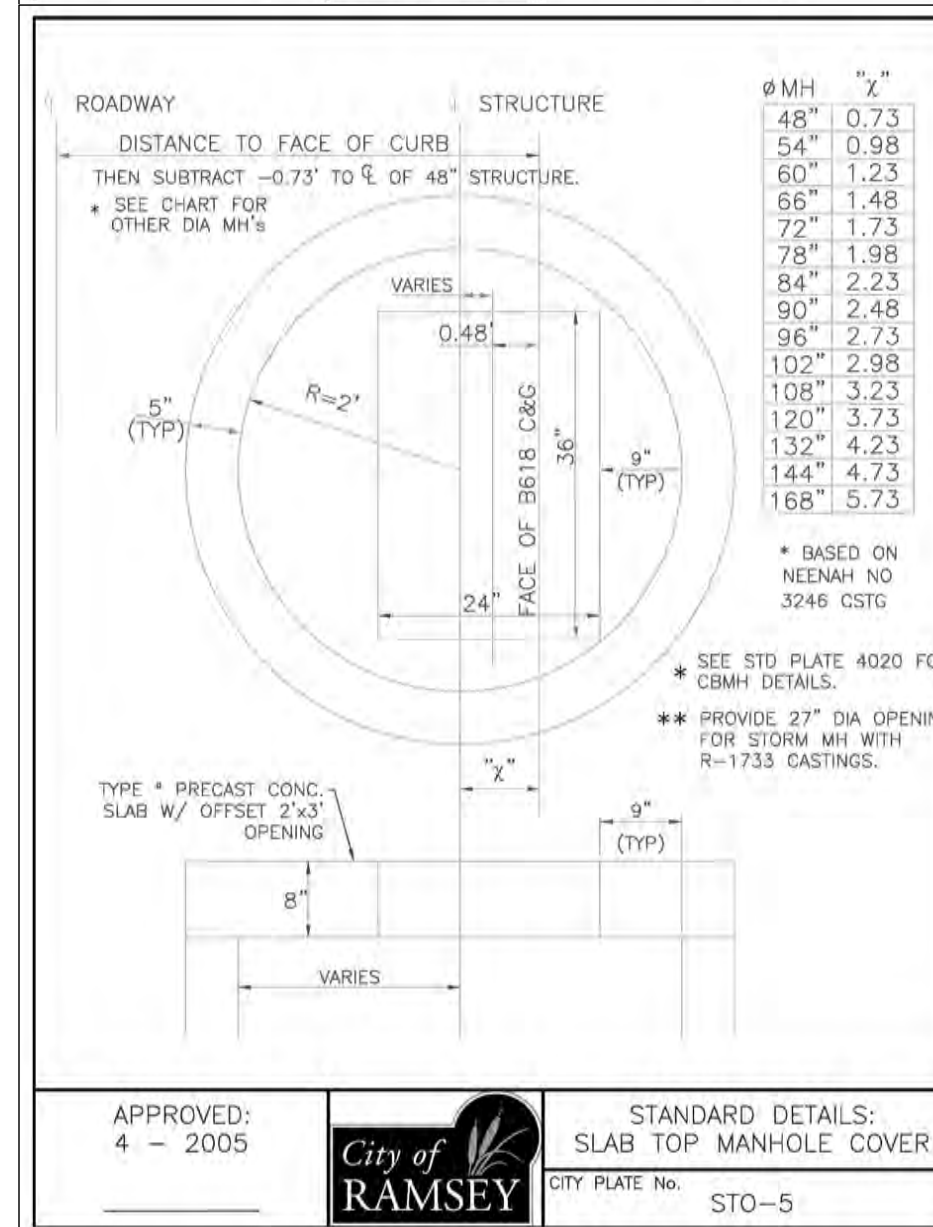
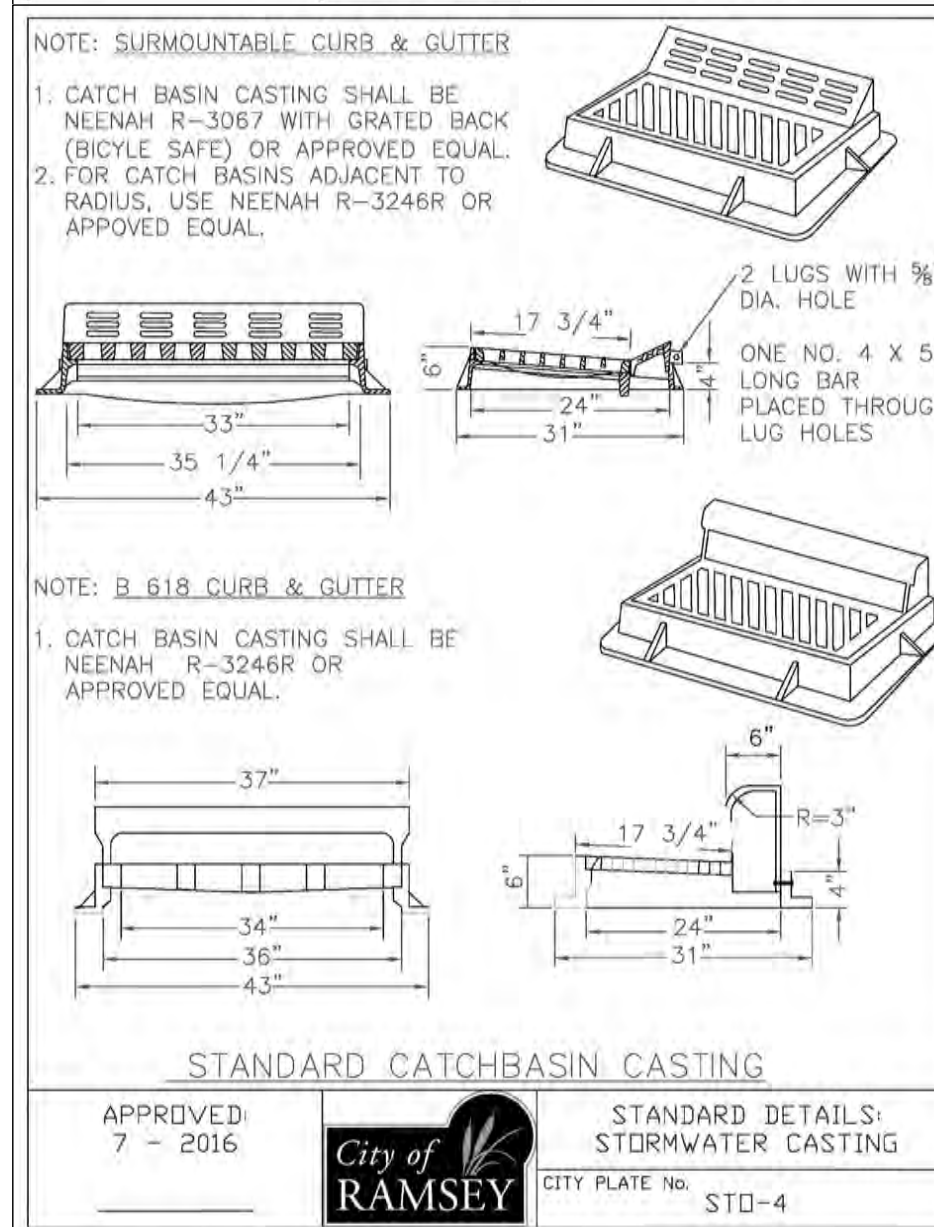
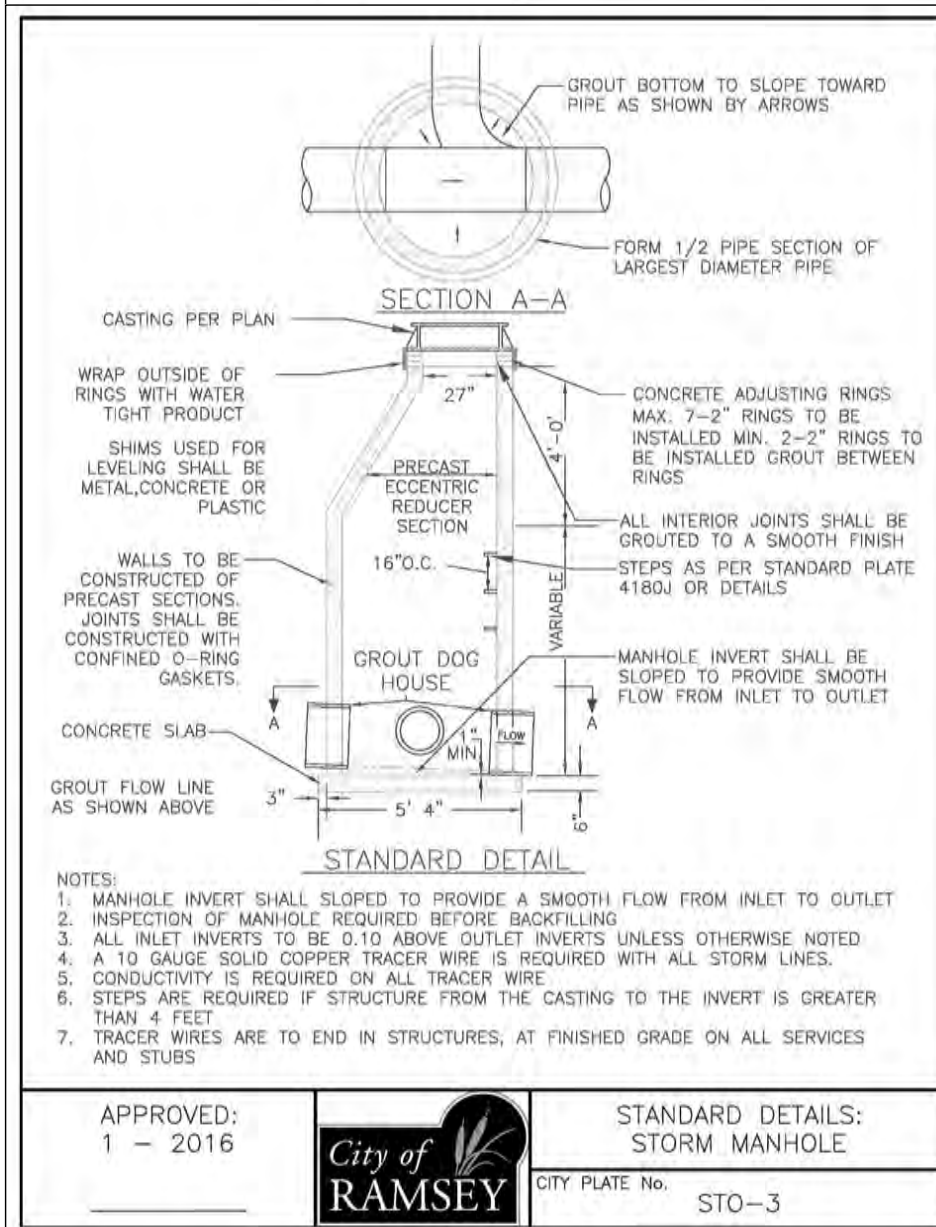
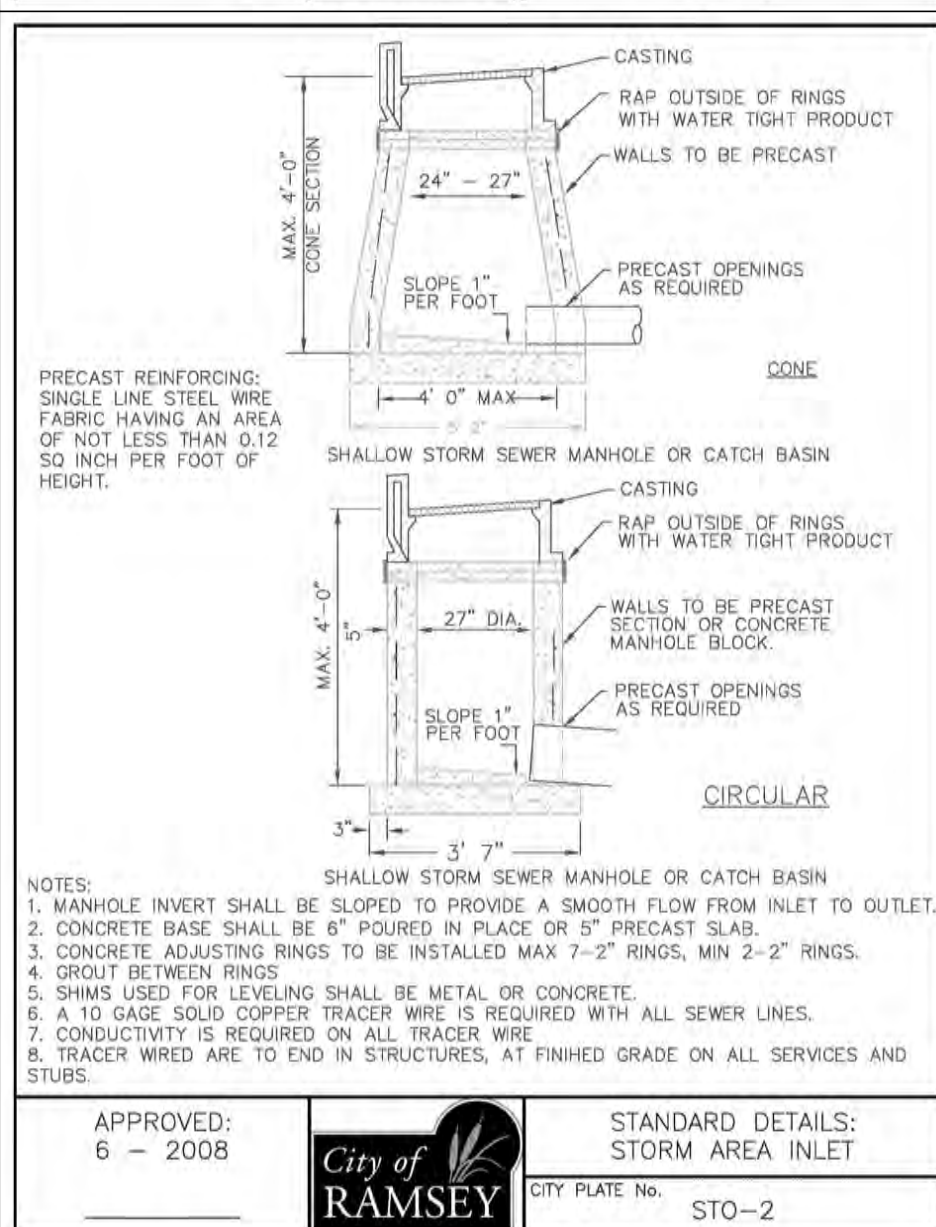
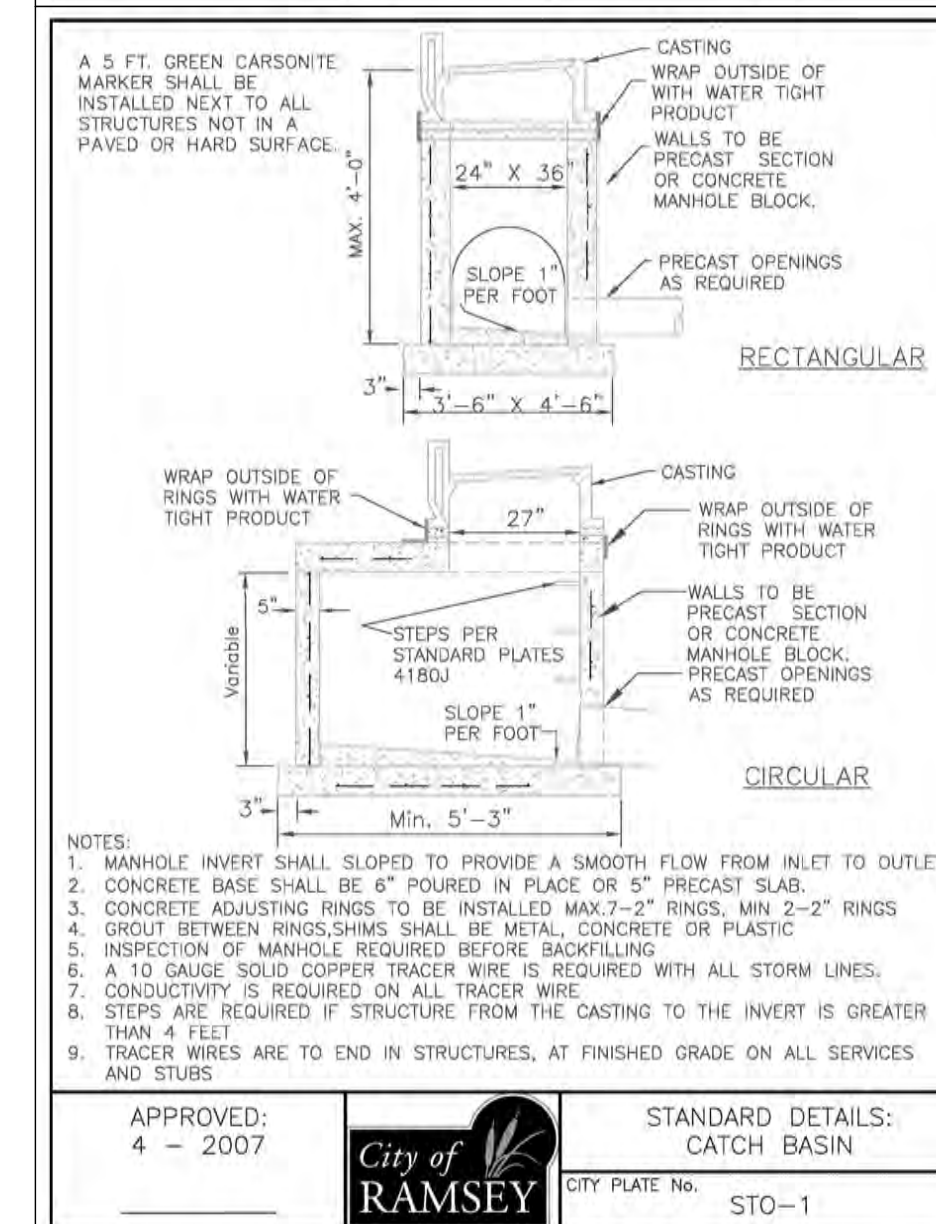
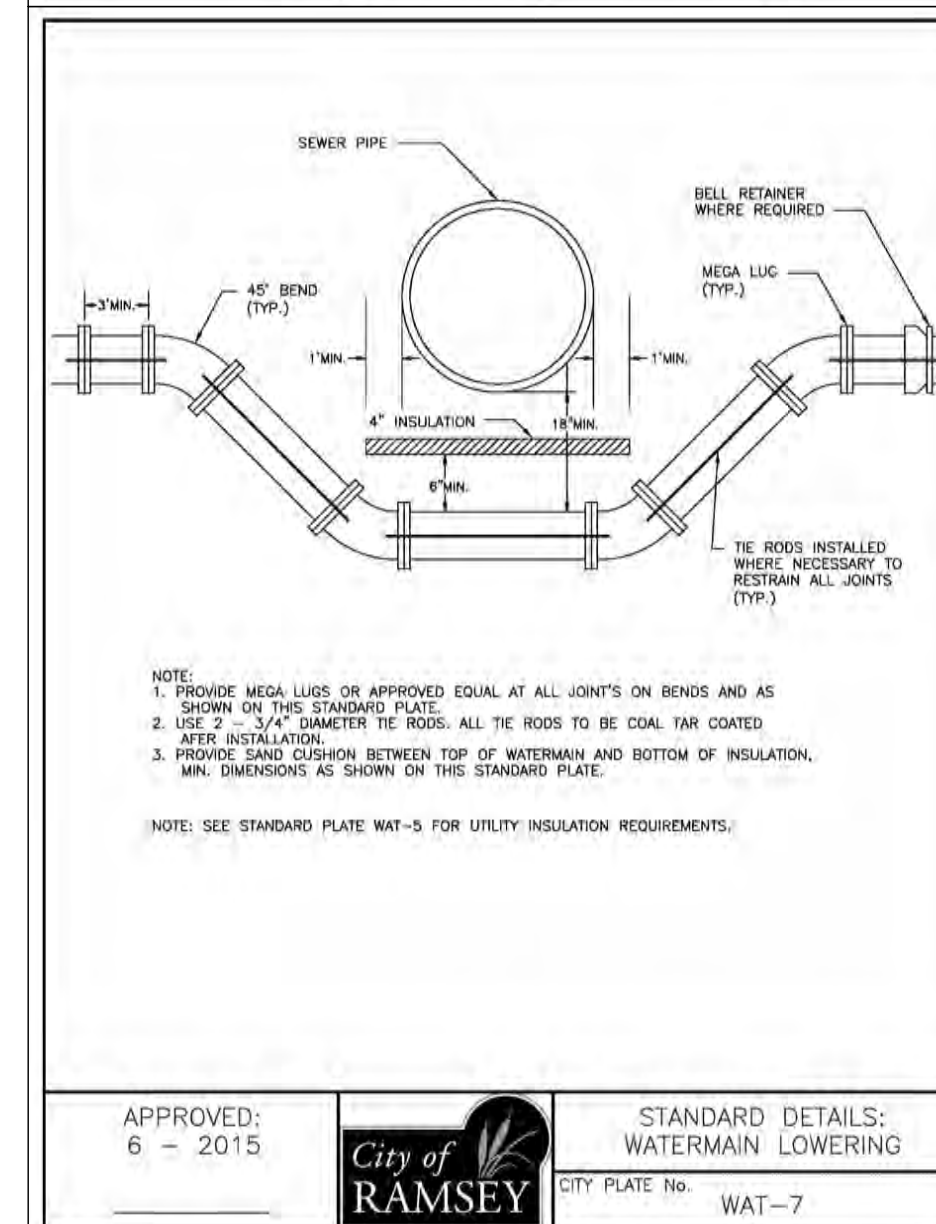
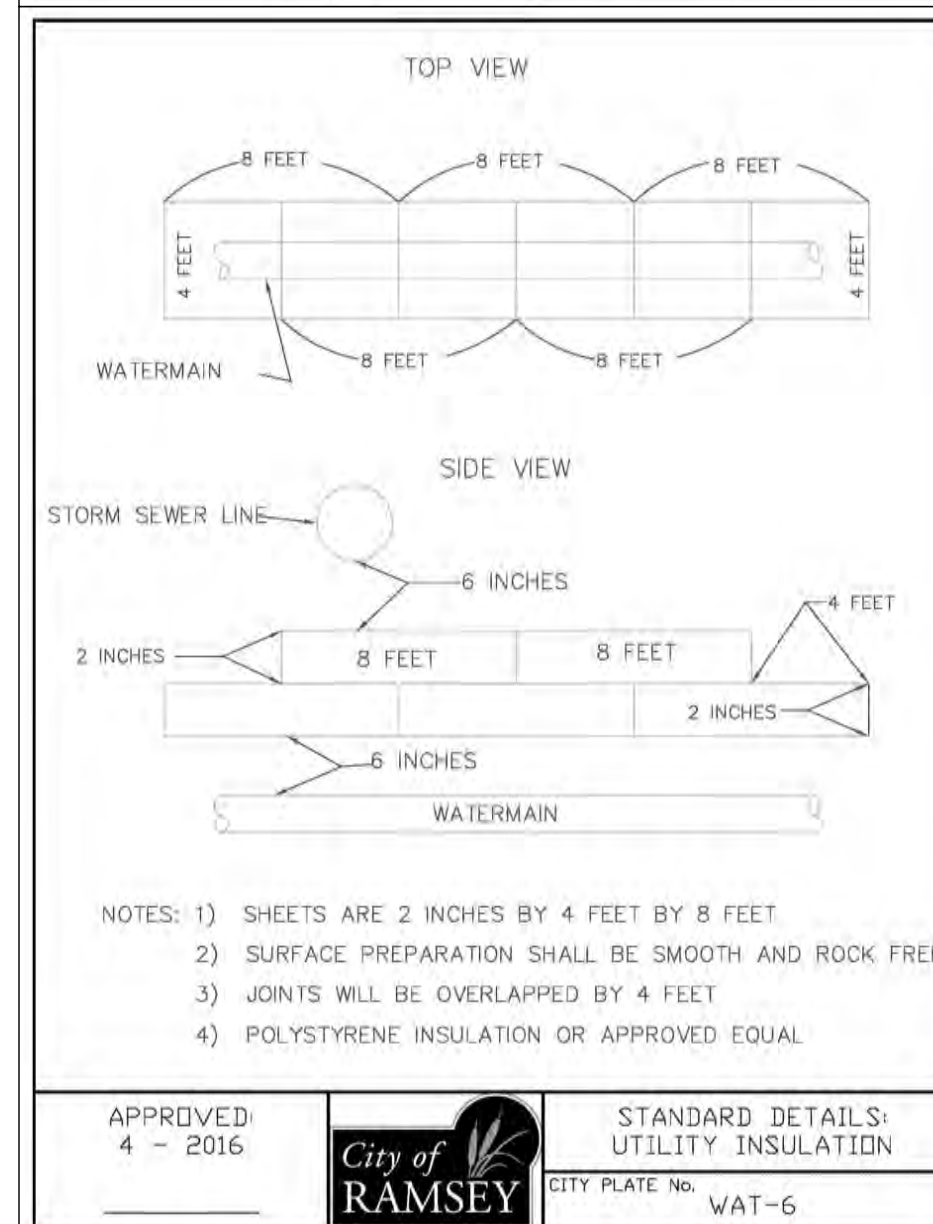
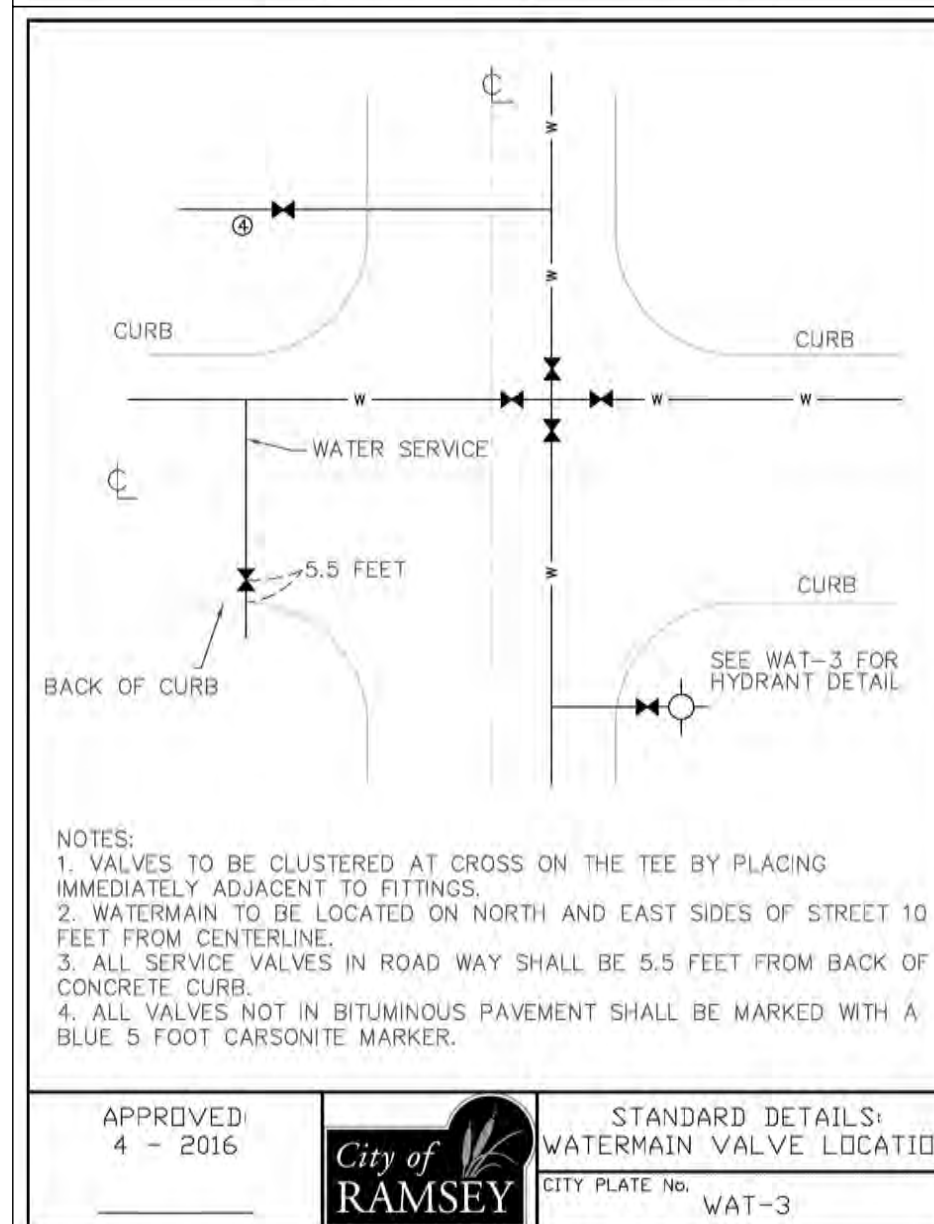
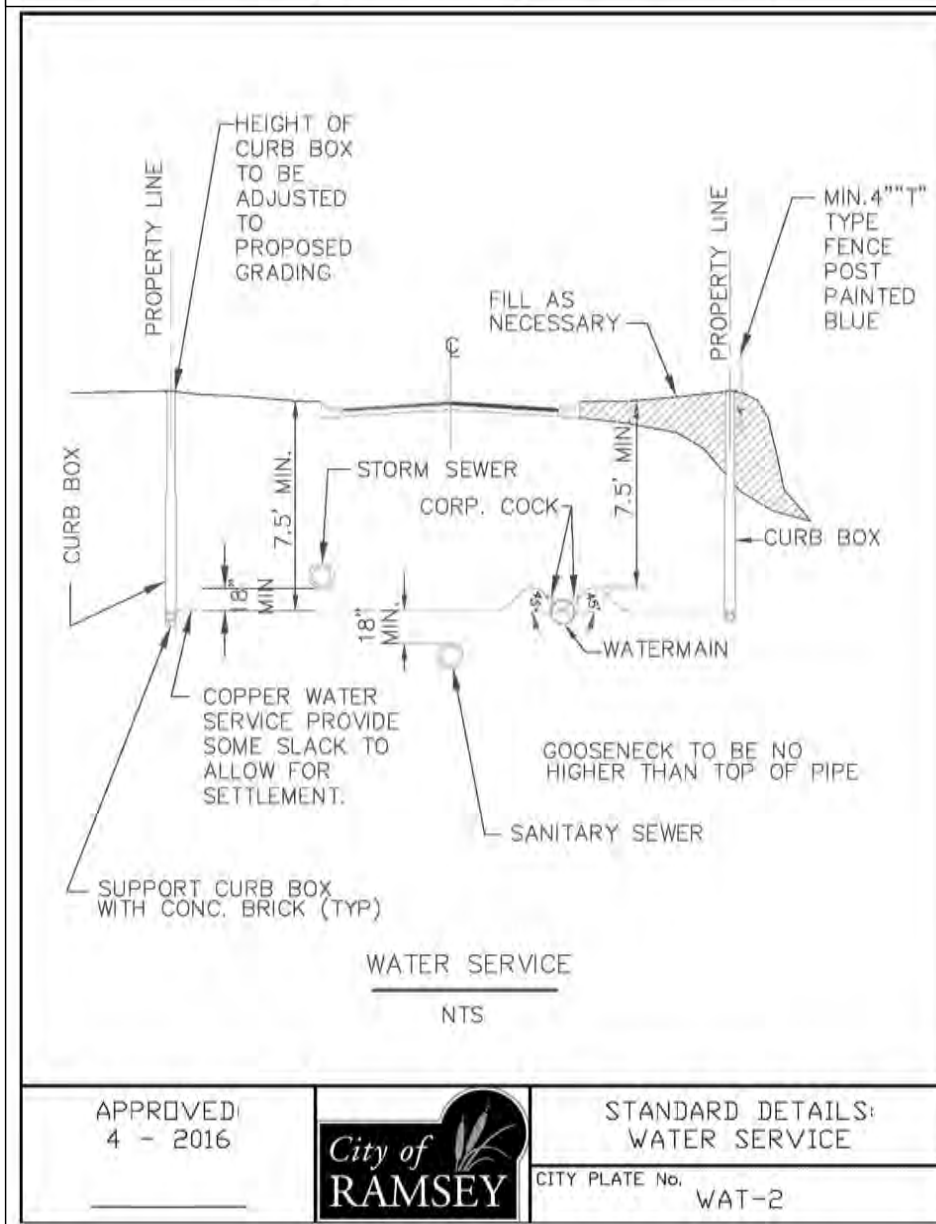
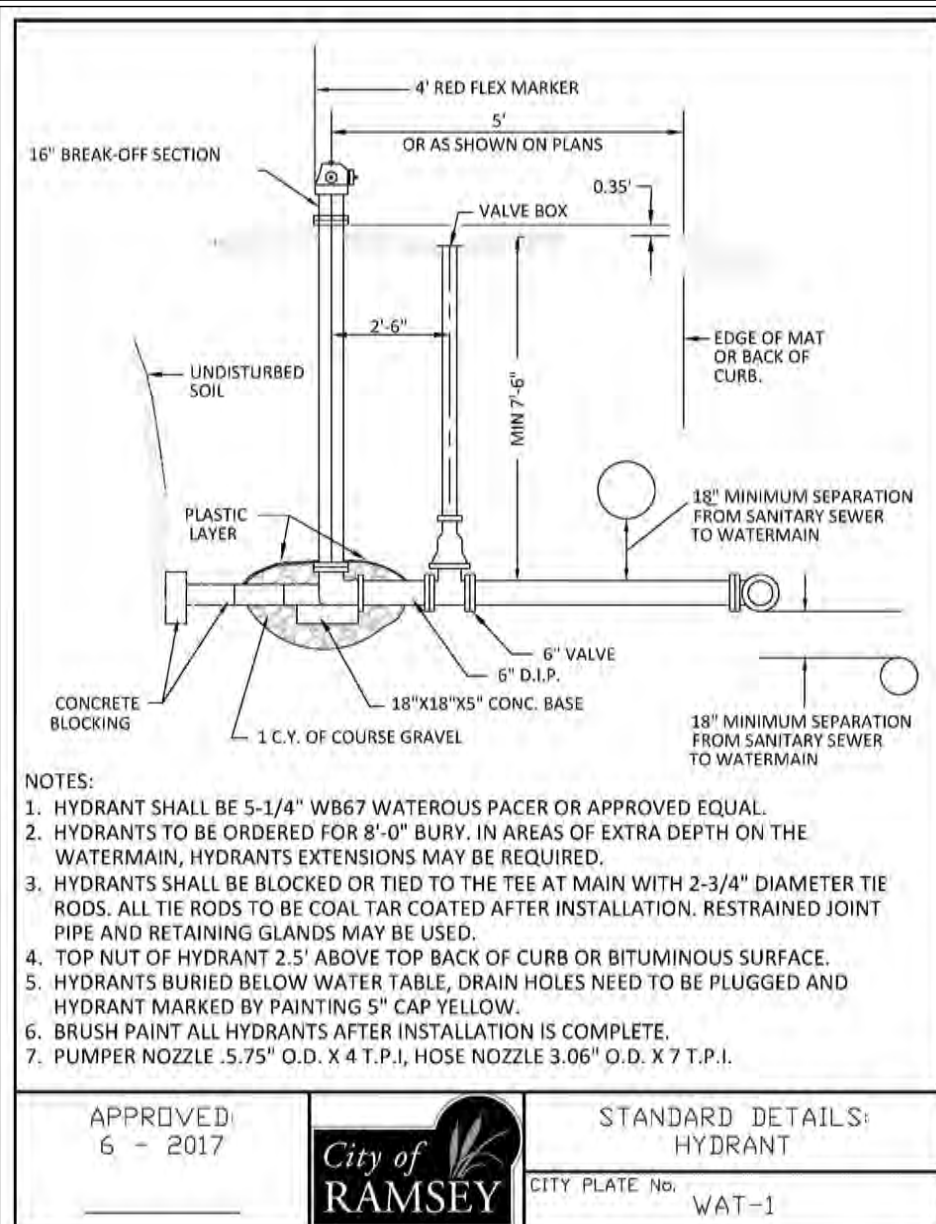
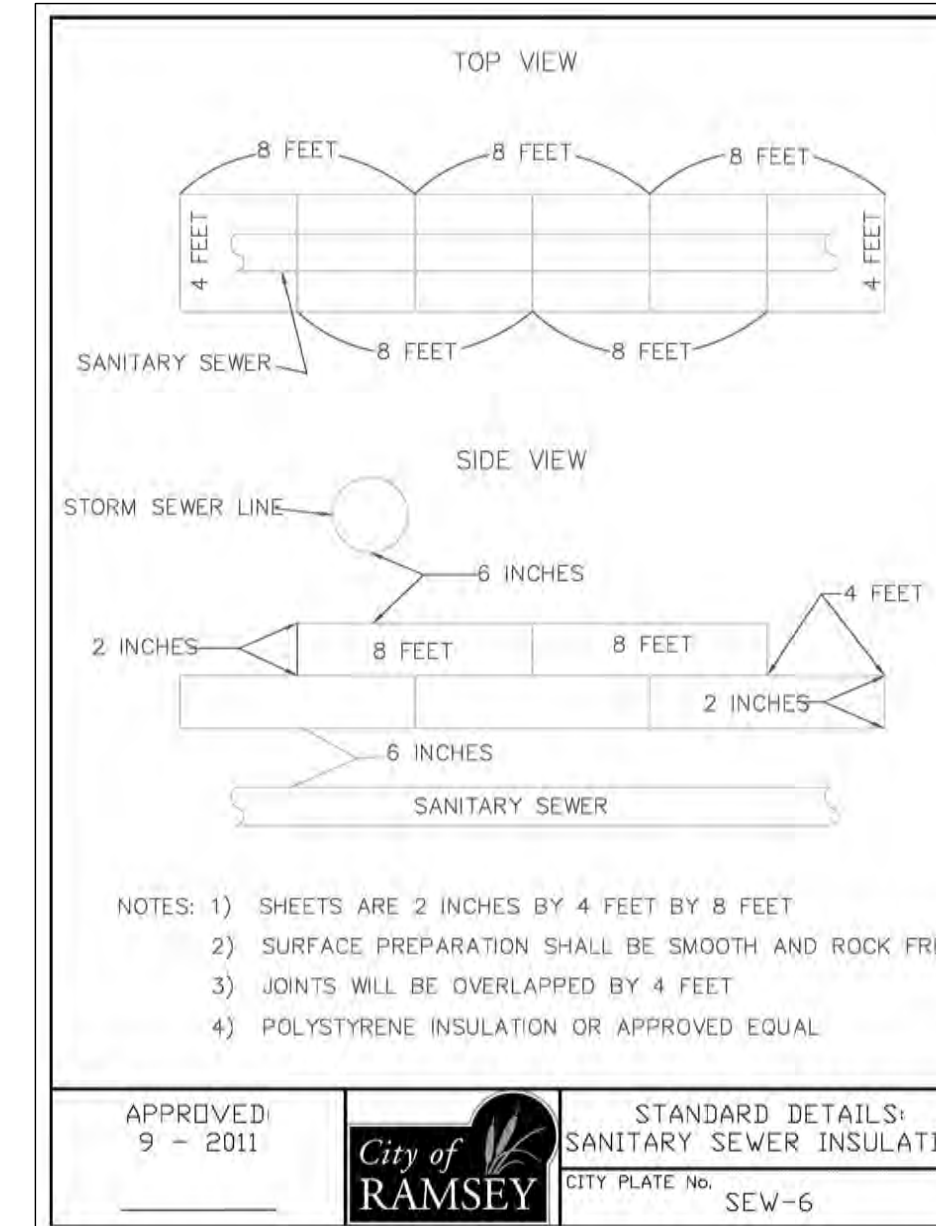
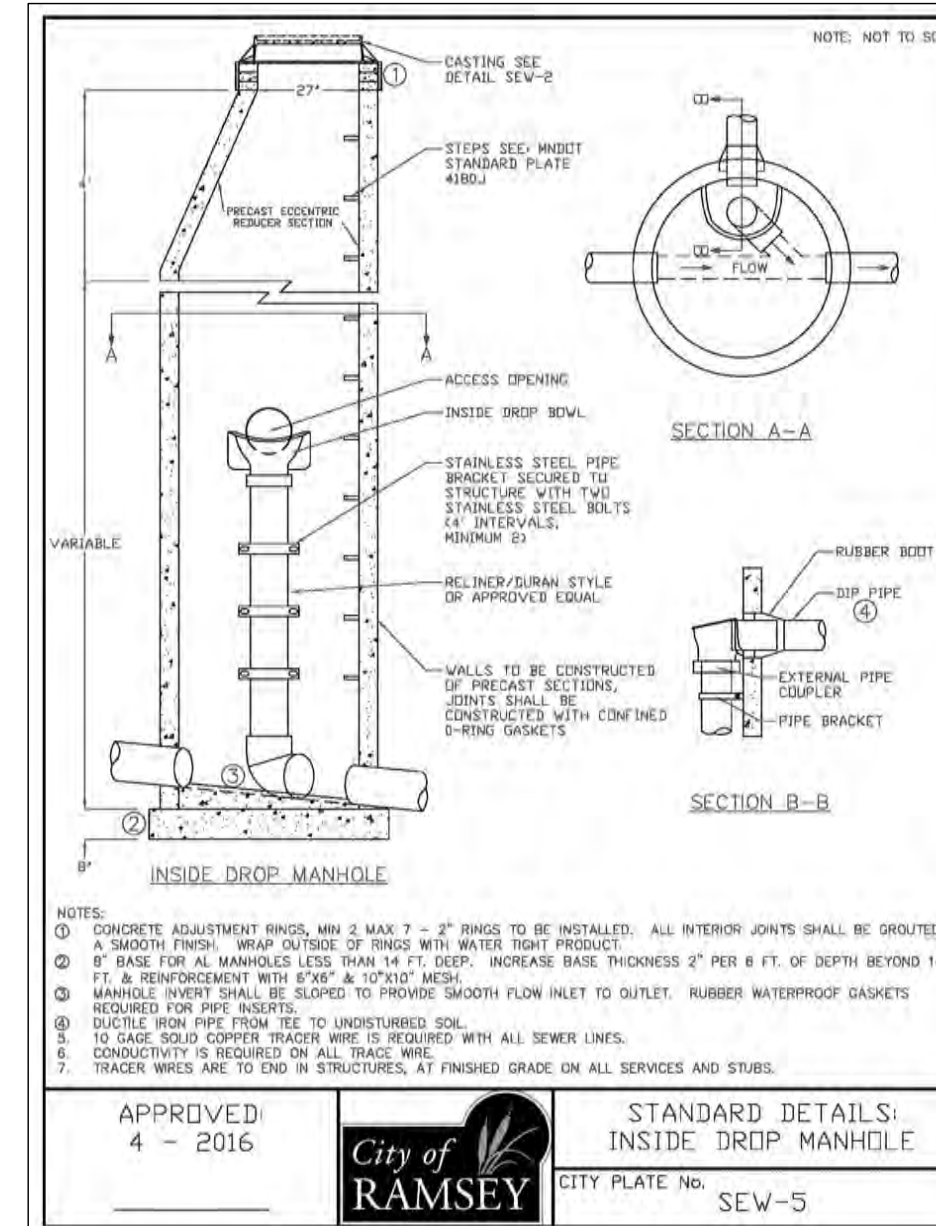
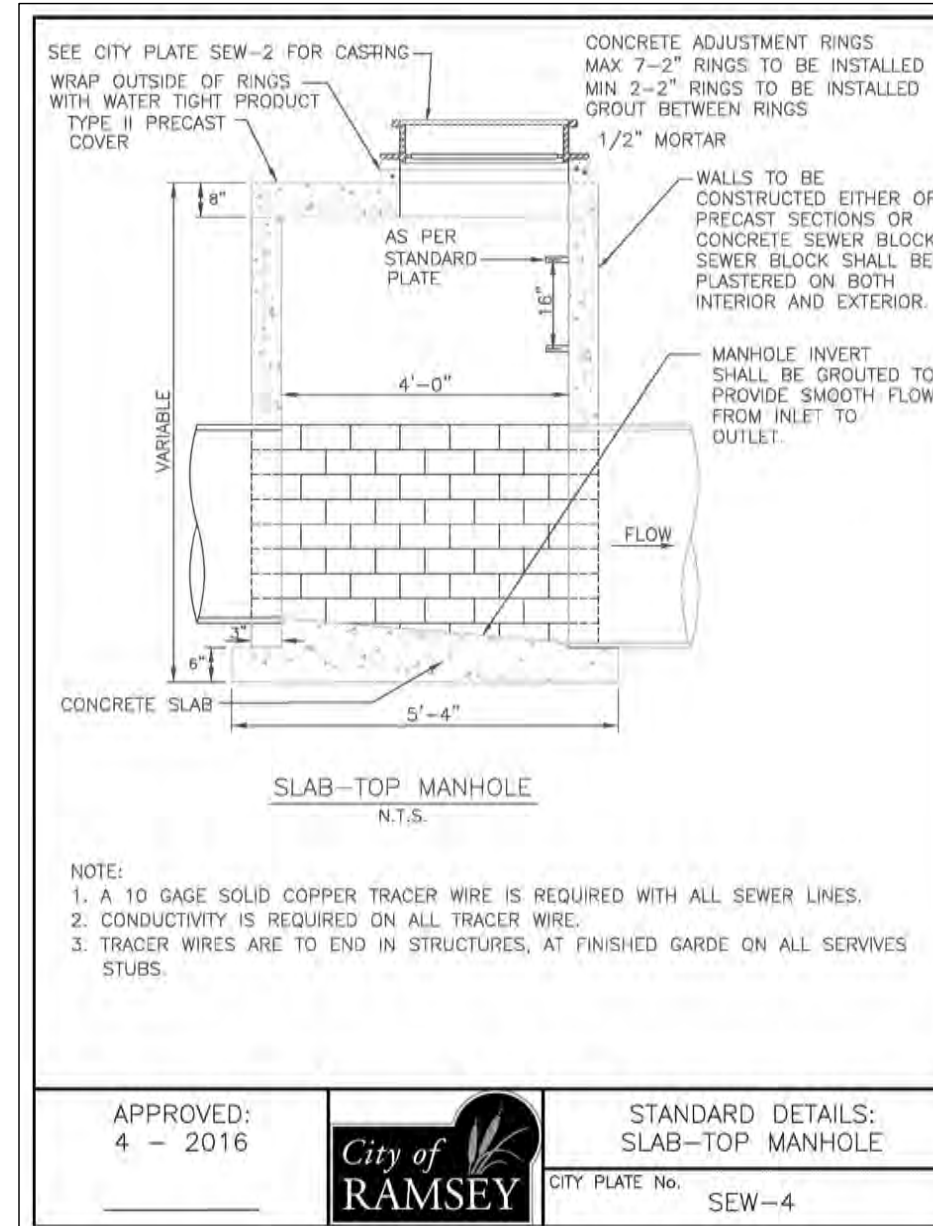
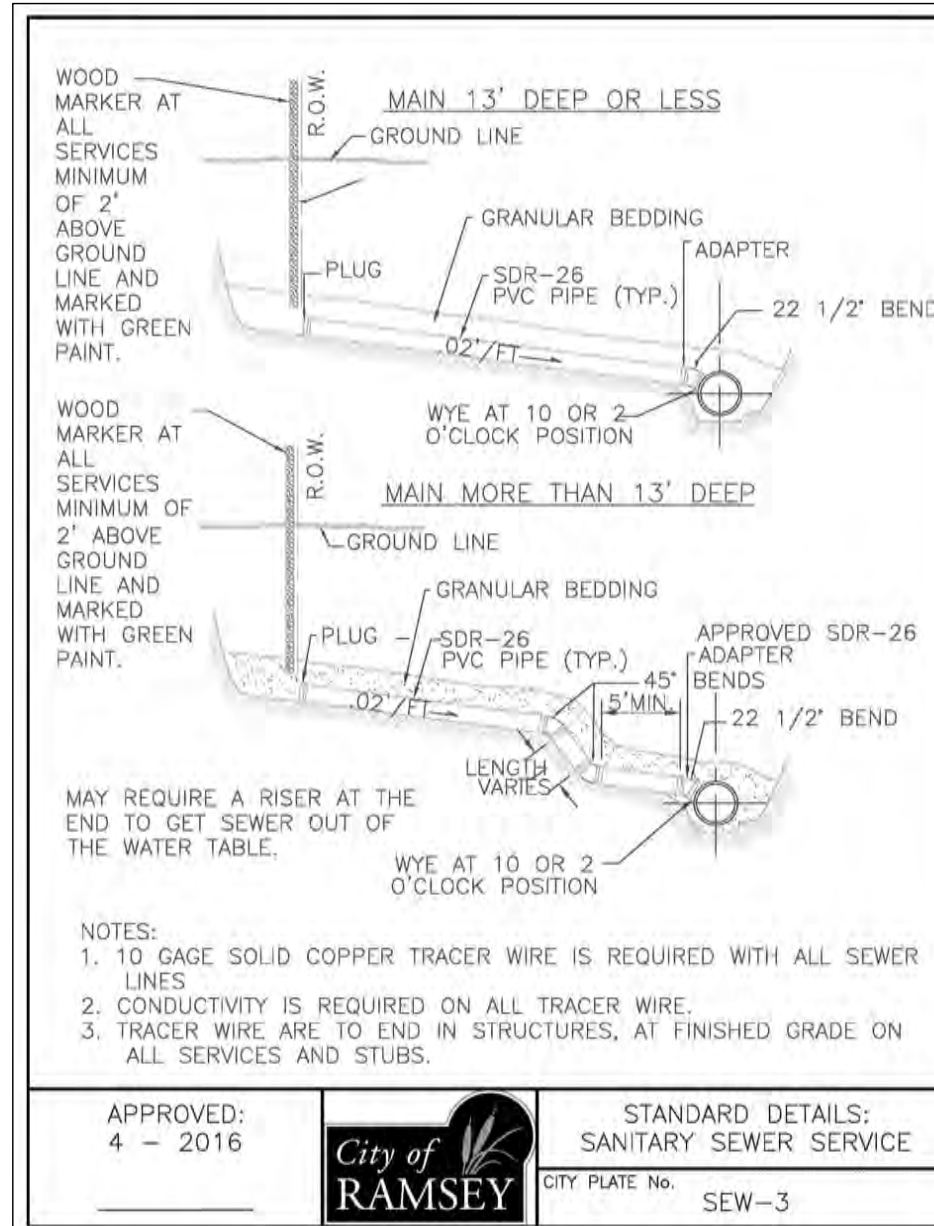
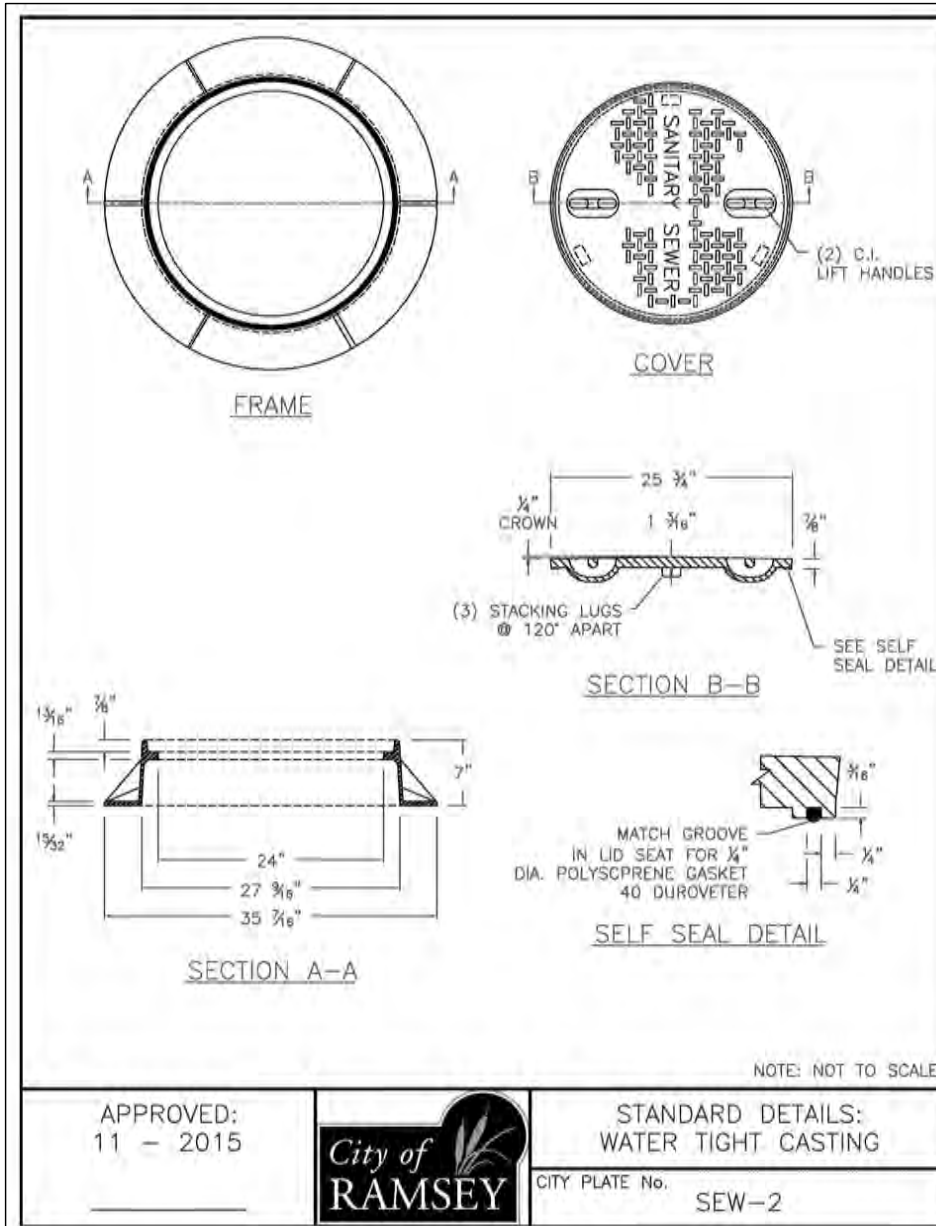
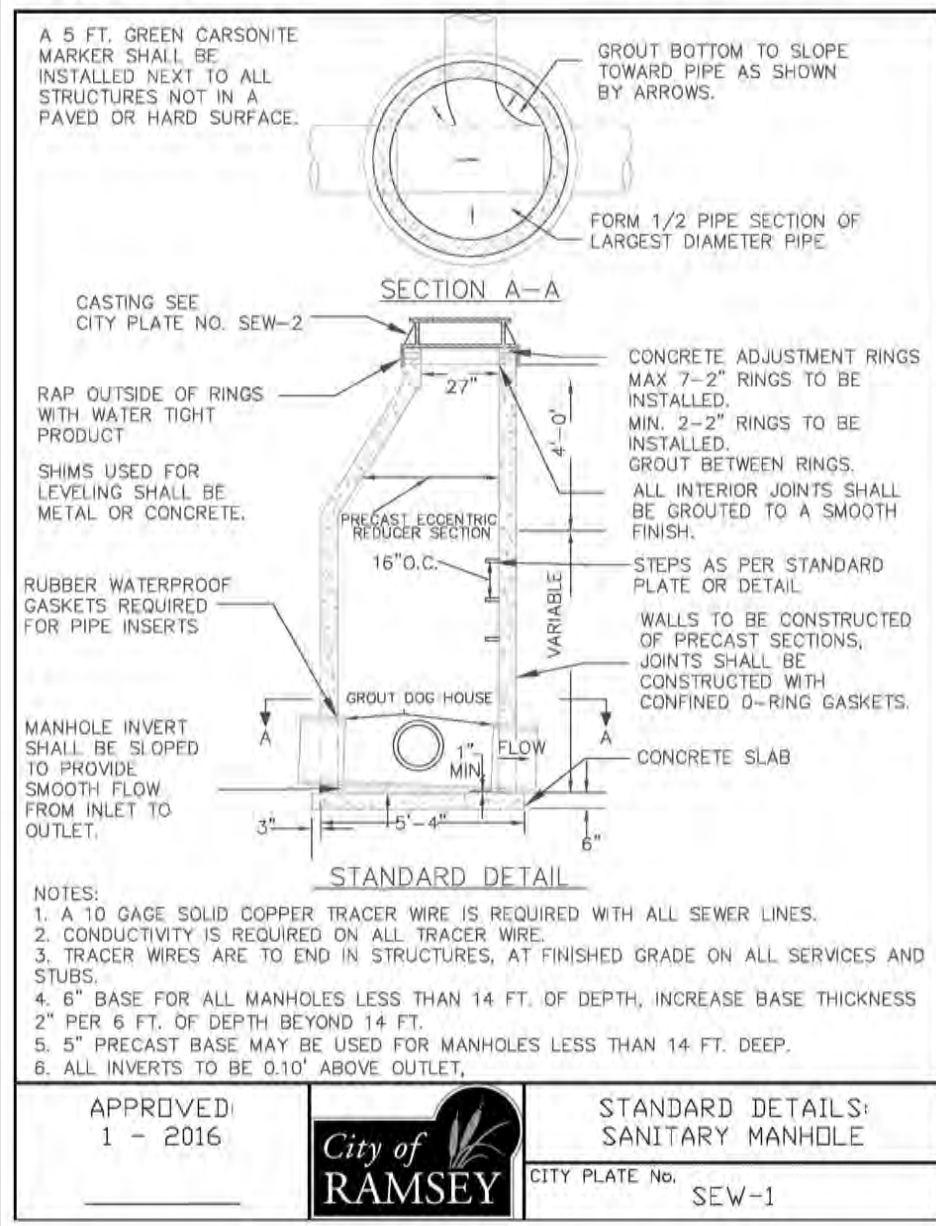
CARLSON McCAIN ENGINEERING SURVEYING ENVIRONMENTAL
3890 PHEASANT RIDGE DR NE SUITE 100 BLAINE, MN 55449 TEL 763.489.7900 FAX 763.489.7959 CARLSONMCCAIN.COM

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: Brian J. Krystofiak, P.E.
Signature: *Brian J. Krystofiak*
Date: 10/06/21 License #: 25063
Drawn: NJP
Designed: BJK
Date: 10/06/21

Revisions:
RIVERSTONE DEVELOPMENT, LLC
14015 Sunfish Lake B, Suite 400
Ramsey, MN 55303

RIVERSTONE SOUTH
1ST ADDITION
Ramsey, MN

STREET CONSTRUCTION



CARLSON MCCAIN ENGINEERING SURVEYING ENVIRONMENTAL

3890 PHEASANT RIDGE DR NE SUITE 100 BLAINE, MN 55449 TEL 763.489.7900 FAX 763.489.7959 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: Brian J. Krystofiak, P.E.
Signature: *Brian J. Krystofiak*
Date: 10/06/21 License #: 25063

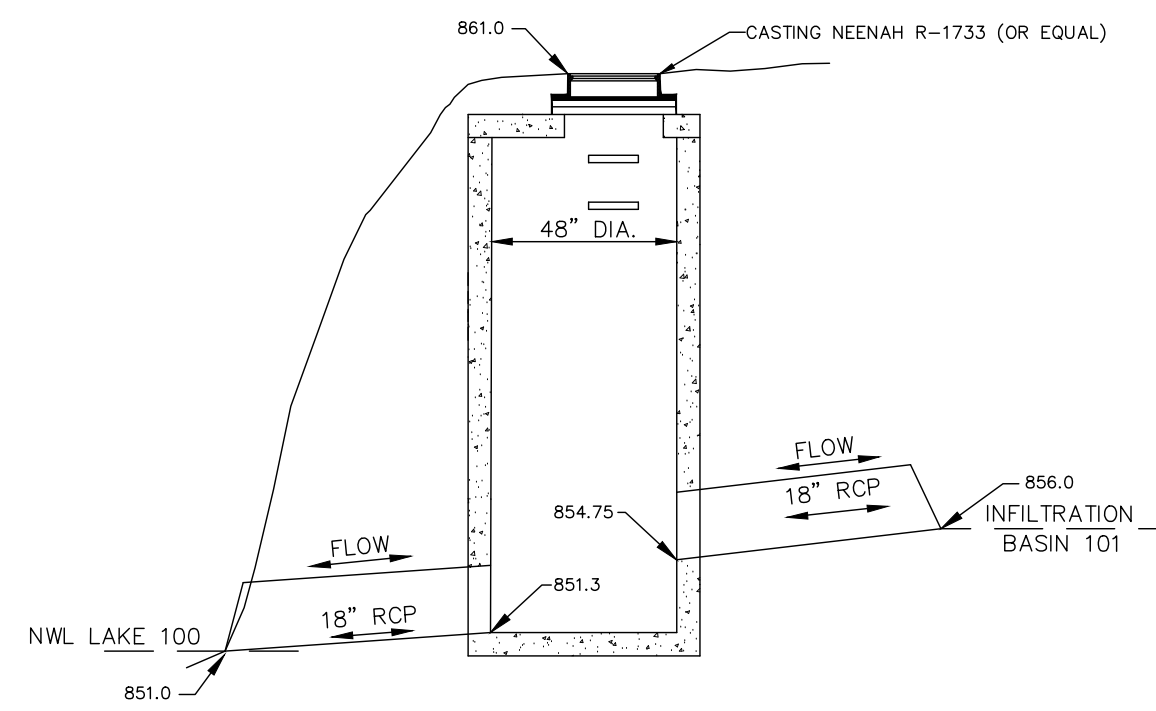
Drawn: NJP
Designed: BJK
Date: 10/06/21

Revisions:

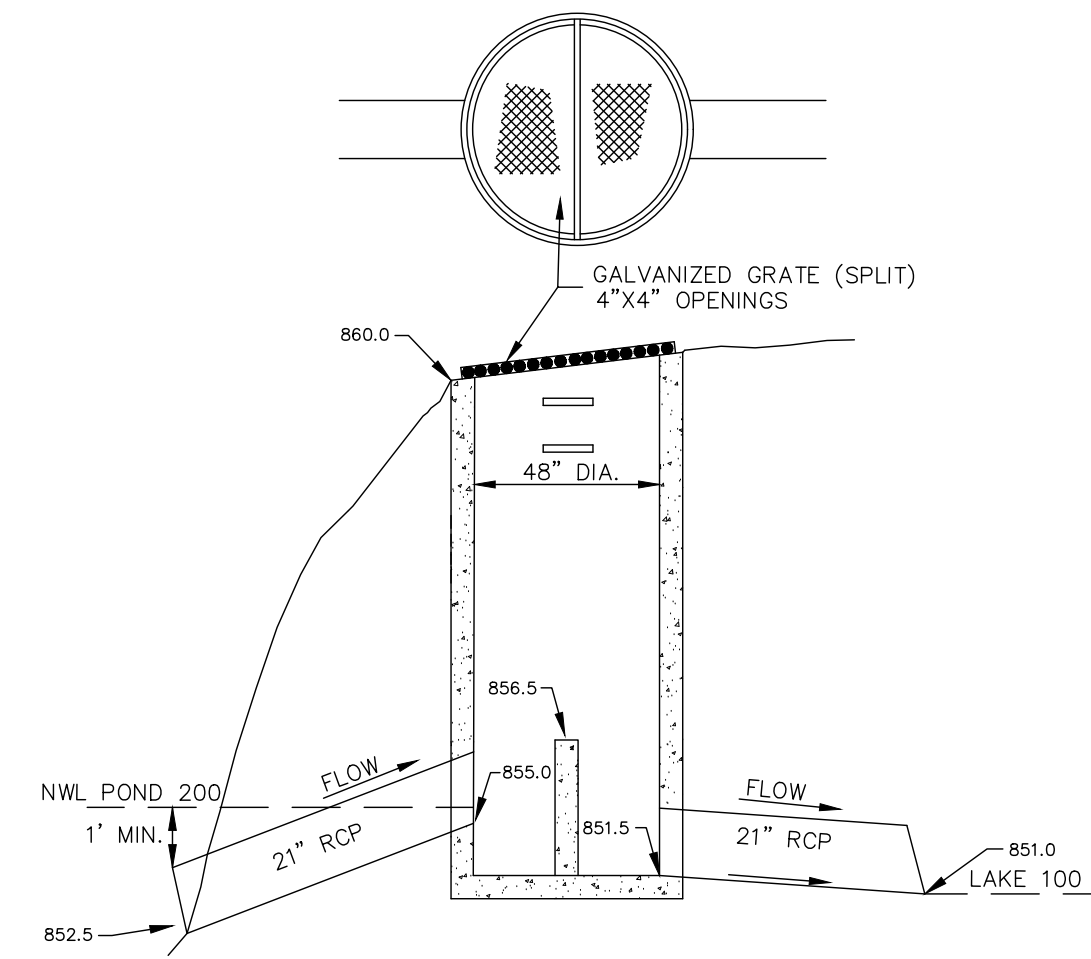
RIVERSTONE DEVELOPMENT, LLC
14015 Sunfish Lake B, Suite 400
Ramsey, MN 55303

RIVERSTONE SOUTH 1ST ADDITION
Ramsey, MN

OUTLET CONTROL STRUCTURE LAKE 100

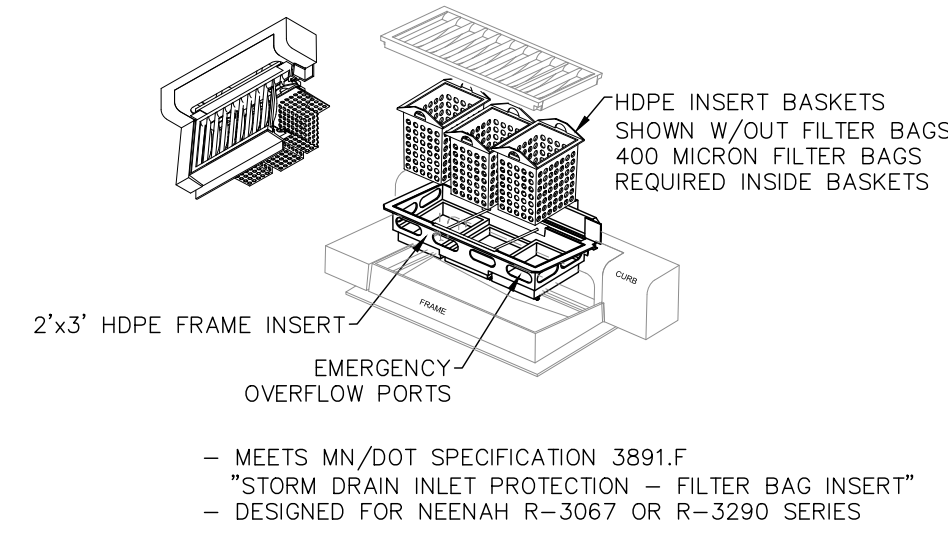


OUTLET CONTROL STRUCTURE POND 200



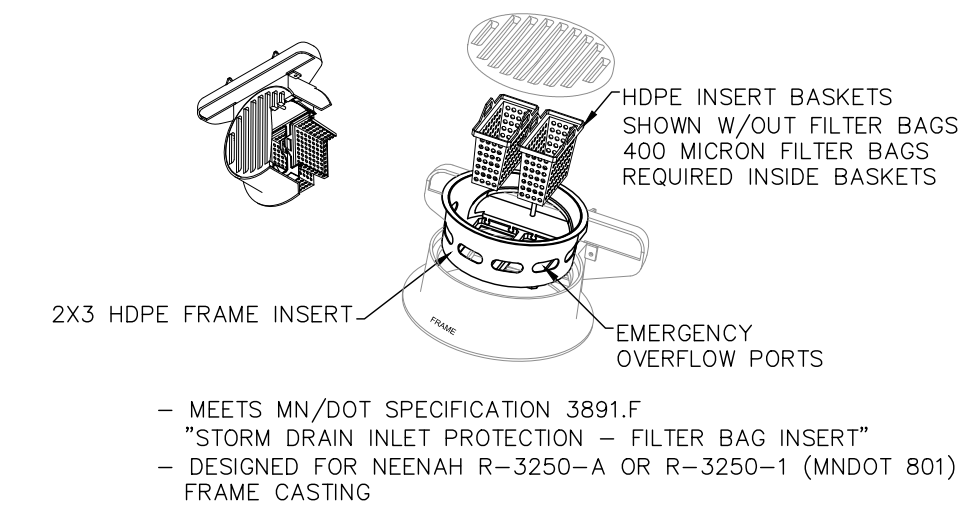
INFRA SAFE – 2'x3' DEBRIS COLLECTION DEVICE

AS MANUFACTURED BY ROYAL ENVIRONMENTAL SYSTEMS

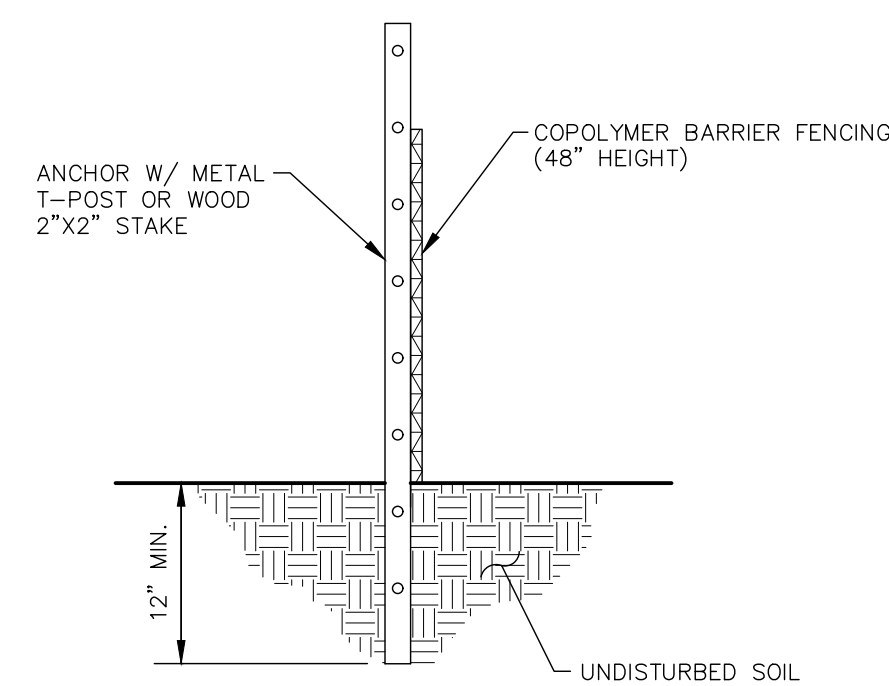


INFRA SAFE – 27" DEBRIS COLLECTION DEVICE

AS MANUFACTURED BY ROYAL ENVIRONMENTAL SERVICES



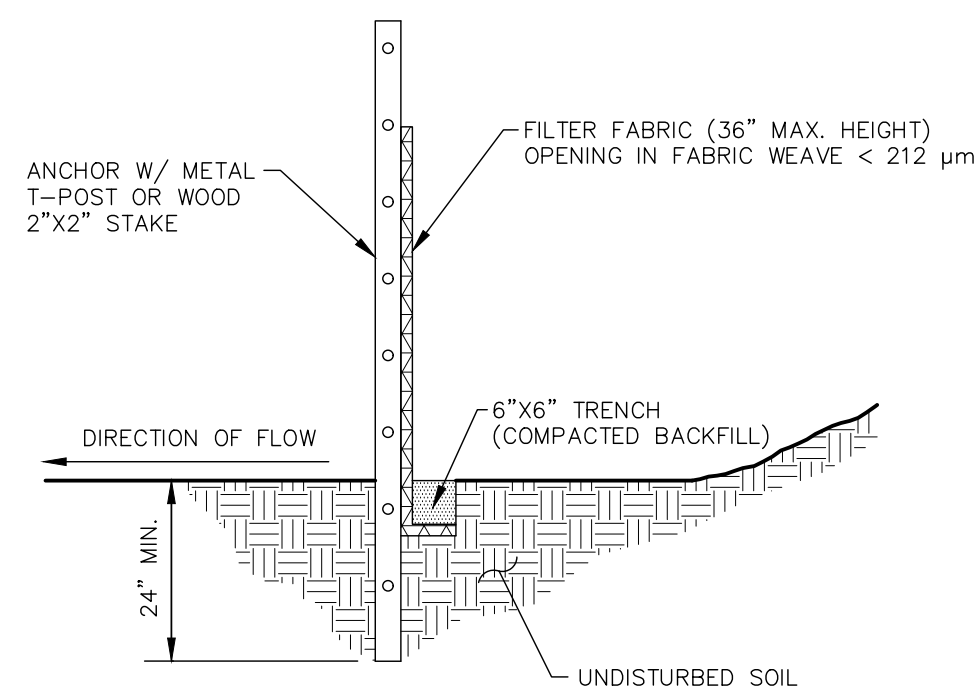
TREE FENCE



NOTES:

- TREE FENCING SHALL BE PLACED A MINIMUM OF 1 FOOT PER CALIPER INCH OF TREE DIAMETER FROM TREE(S) THAT IS/ARE TO BE SAVED.
- ANCHOR POST MAY BE SPACED UP TO 10 FEET APART.
- SECURELY ATTACH TREE FENCE TO ANCHOR POSTS W/ MINIMUM OF TWO ATTACHMENTS PER POST.
- SEE MNDOT SPECIFICATION 2572.

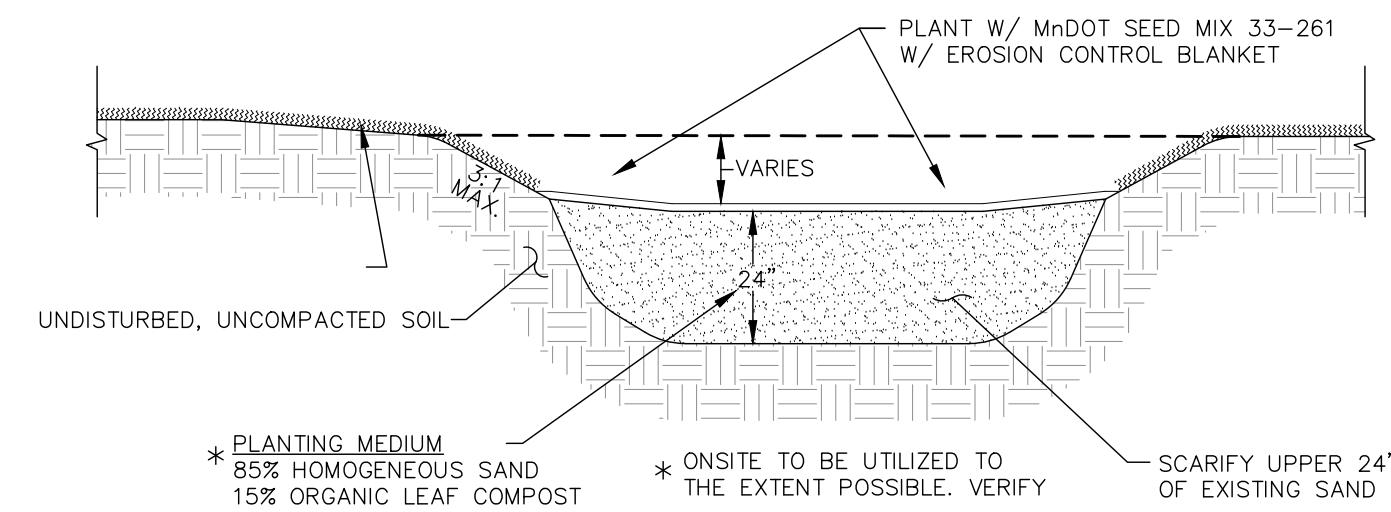
SILT FENCE



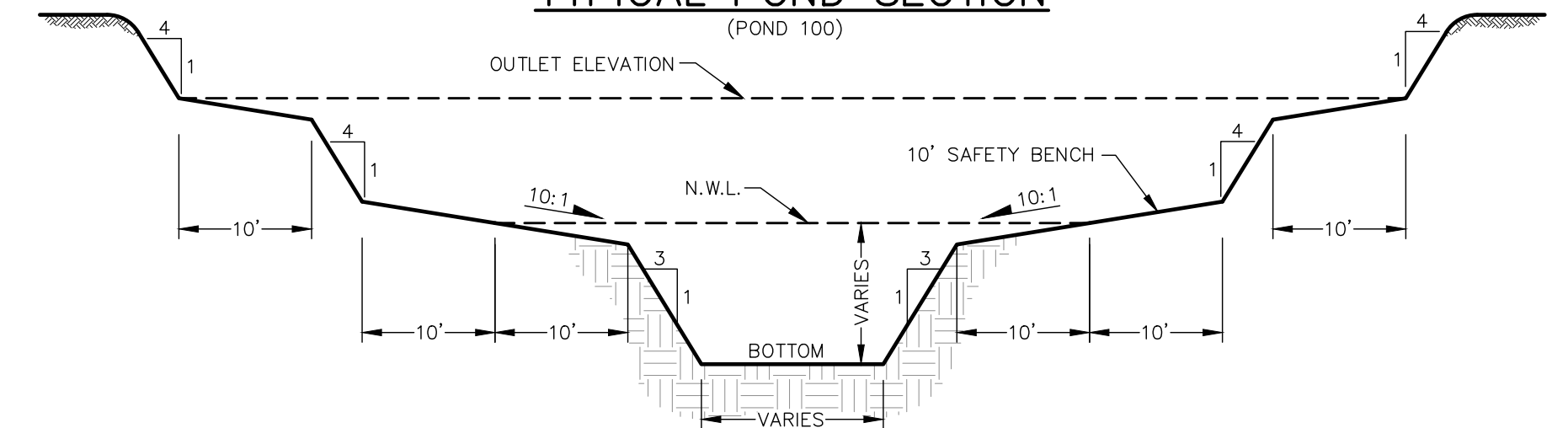
NOTES:

- DIG A 6"x6" TRENCH ALONG THE INTENDED SILT FENCE LINE.
- DRIVE ALL ANCHOR POSTS INTO THE GROUND AT THE DOWNHILL SIDE OF THE TRENCH.
- POSTS SHALL BE SPACED A MAXIMUM OF 6 FEET APART.
- LAY OUT SILT FENCE ALONG THE UPHILL SIDE OF THE ANCHOR POSTS AND BACK FILL 6"x6" TRENCH.
- SECURELY ATTACH SILT FENCE TO ANCHOR POSTS W/ MINIMUM OF THREE ATTACHMENTS PER POST.
- SEE MNDOT SPECIFICATIONS 2573 & 3886.

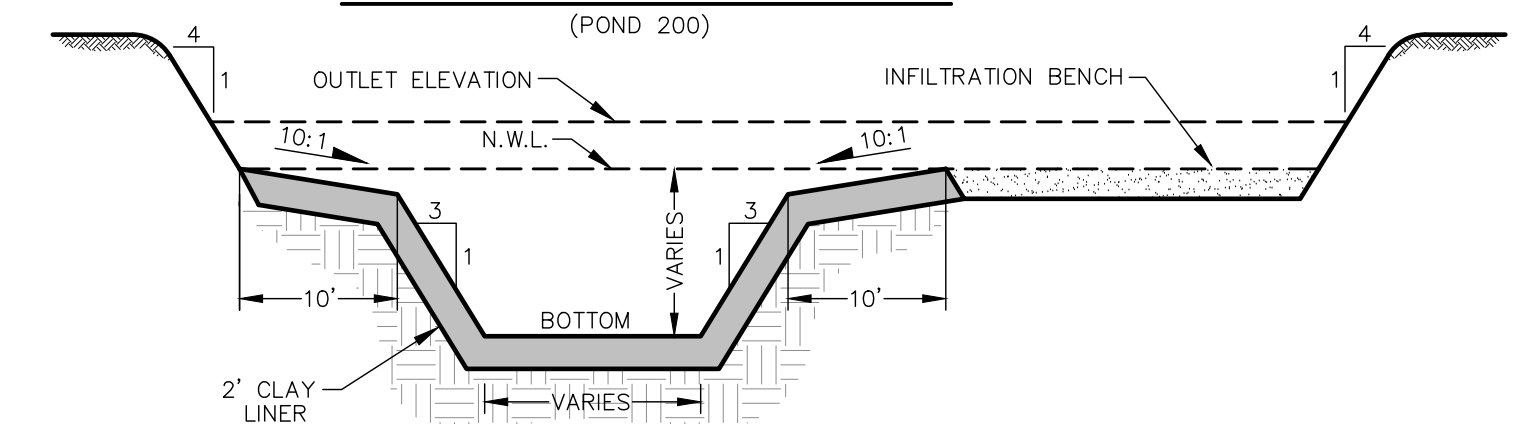
INFILTRATION BASIN



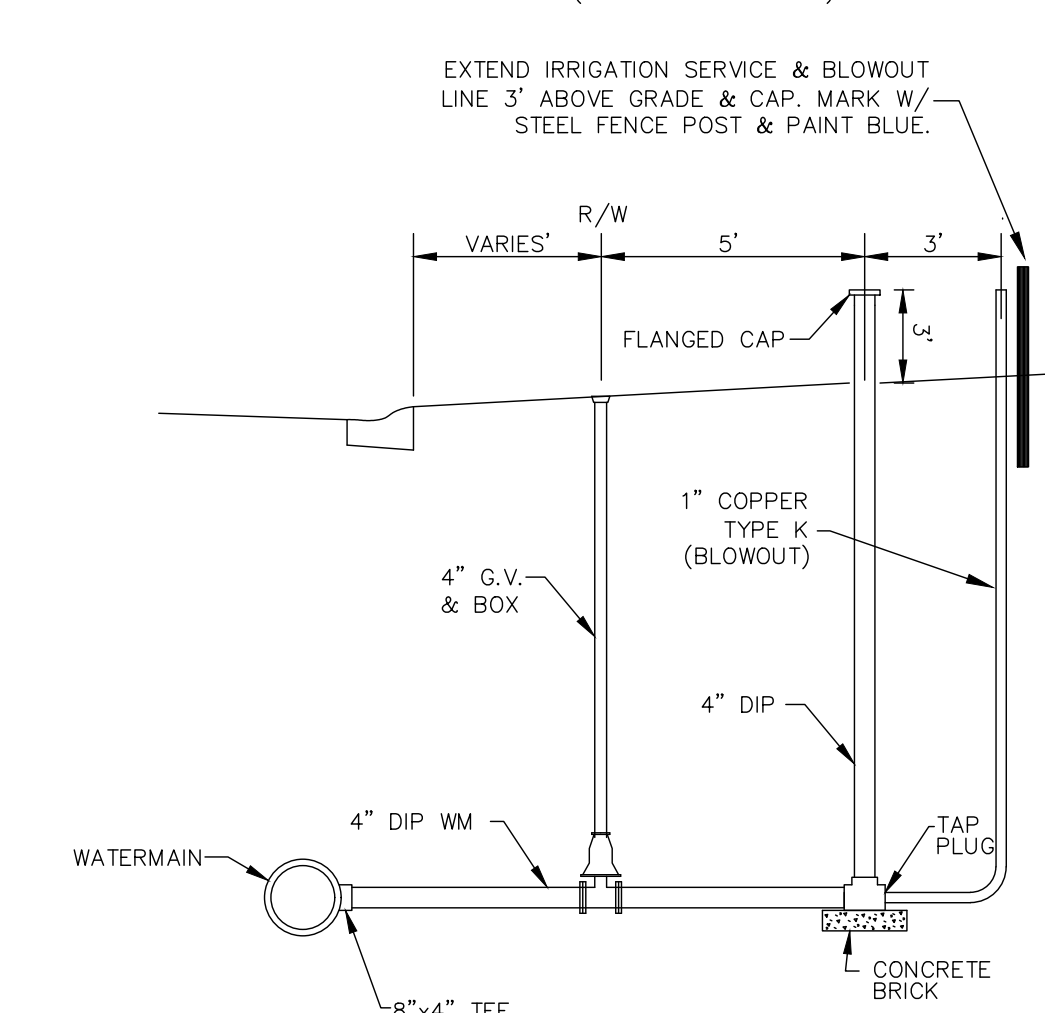
TYPICAL POND SECTION (POND 100)



TYPICAL POND SECTION (POND 200)



IRRIGATION SERVICE (NOT TO SCALE)



**TABLE A
MODIFIED CLASS 5
SPECIFICATIONS**

% PASSING

1"	100
3/4"	90 - 100
3/8"	50 - 80
No. 4	35 - 70
No. 10	20 - 60
No. 40	10 - 35
No. 200	5 - 10

NOTES:
1. THE AGGREGATE BASE CONSTRUCTION WILL BE ACCEPTED FOR PAYMENT IN ACCORDANCE WITH THE PROVISIONS IN TABLE A.
2. IF THE AGGREGATE BASE FAILS TO MEET THE REQUIREMENTS OF TABLE A THE MATERIAL CAN BE CORRECTED IN PLACE OR REMOVED AND REPLACED WITH MATERIAL THAT MEET THE REQUIREMENTS OF TABLE A.
3. IN THE EVENT THAT RECYCLED MATERIAL IS USE IT MUST MEET MNDOT REQUIREMENTS FOR RECYCLED BASE.

APPROVED:
2 - 2003



STANDARD DETAILS:
MODIFIED CLASS 5
SPECIFICATIONS
CITY PLATE No. STR-26

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: Brian J. Krystofiak, P.E.
Signature: *Brian J. Krystofiak*
Date: 10/06/21 License #: 25063

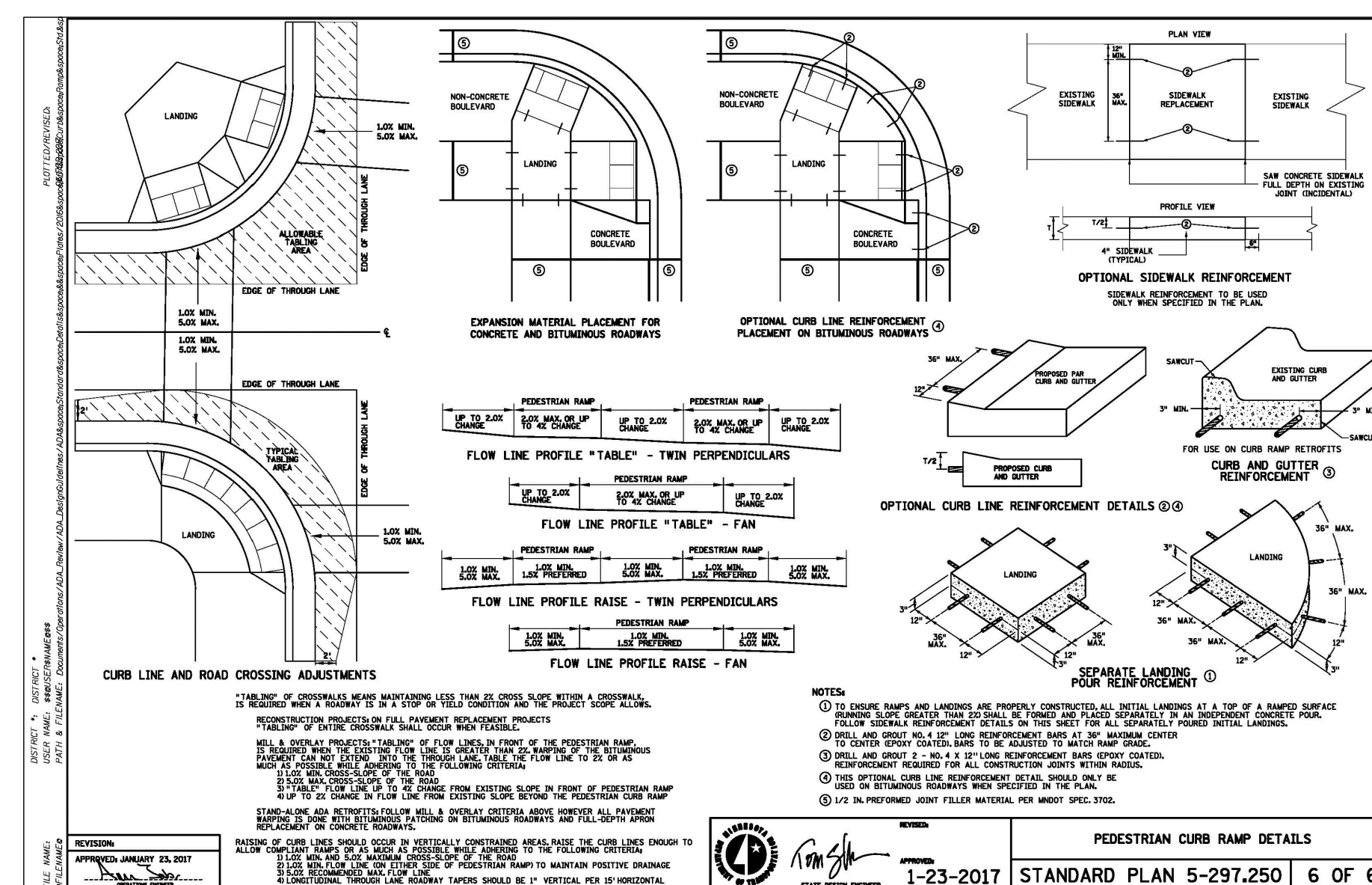
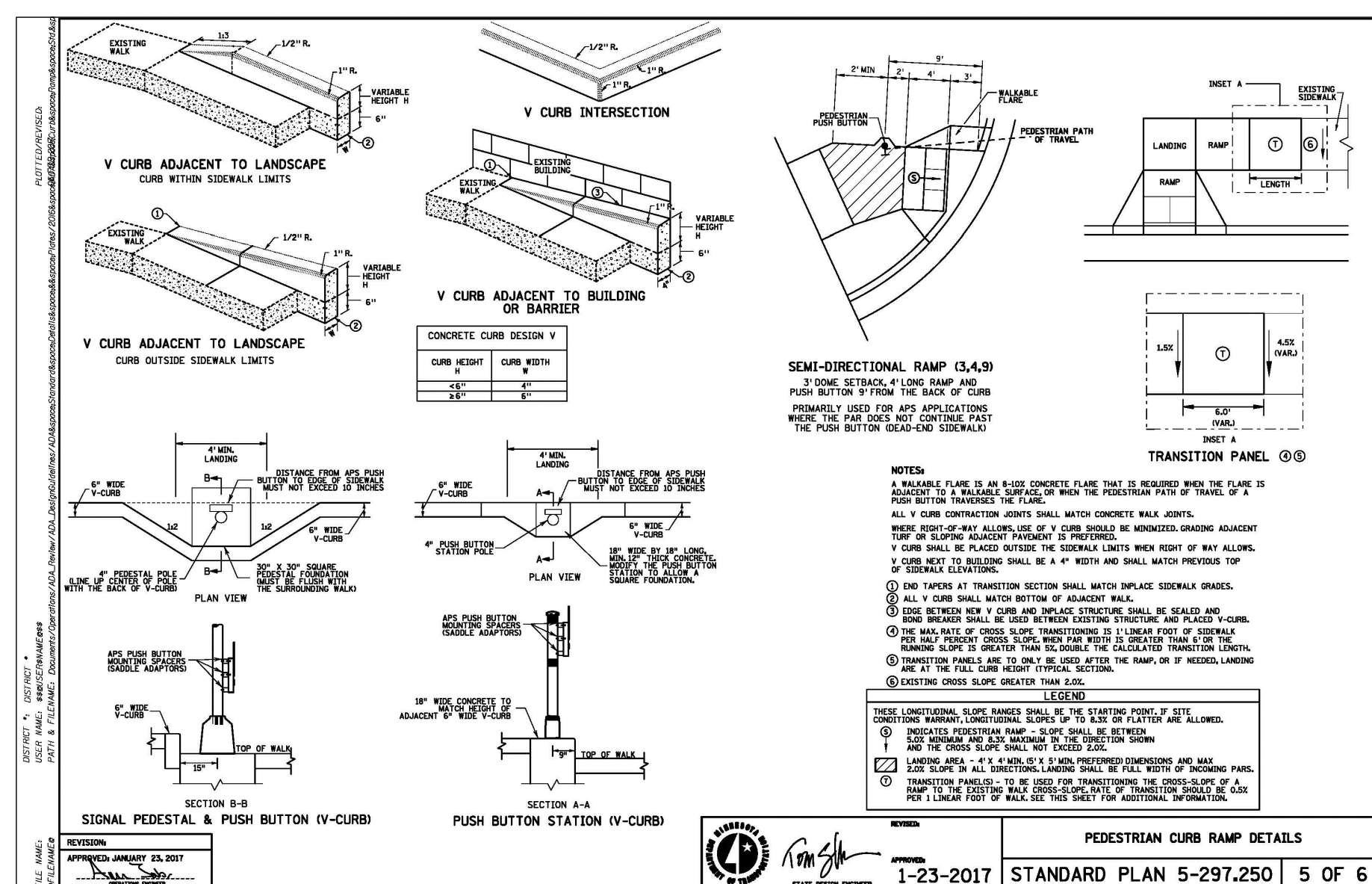
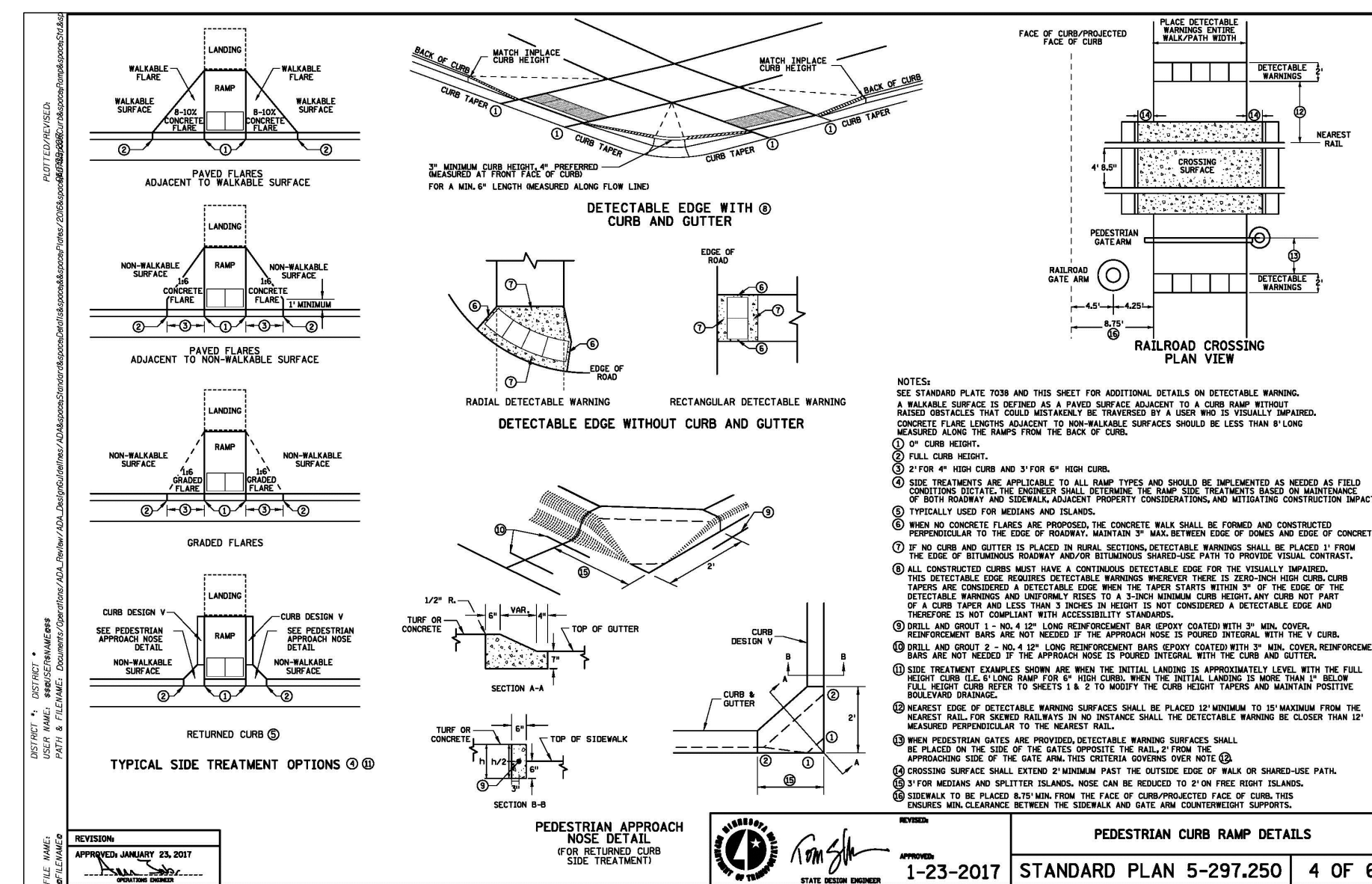
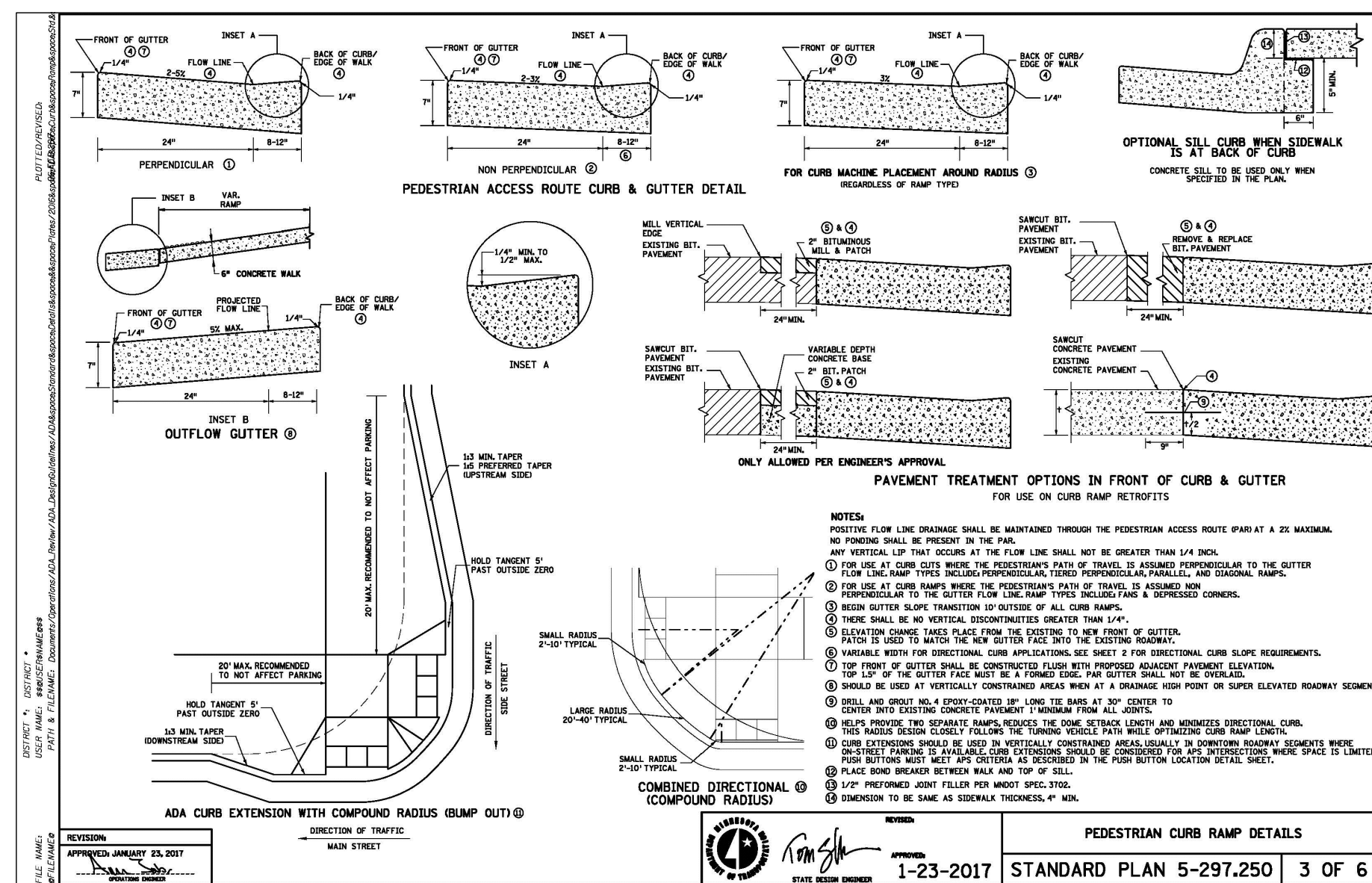
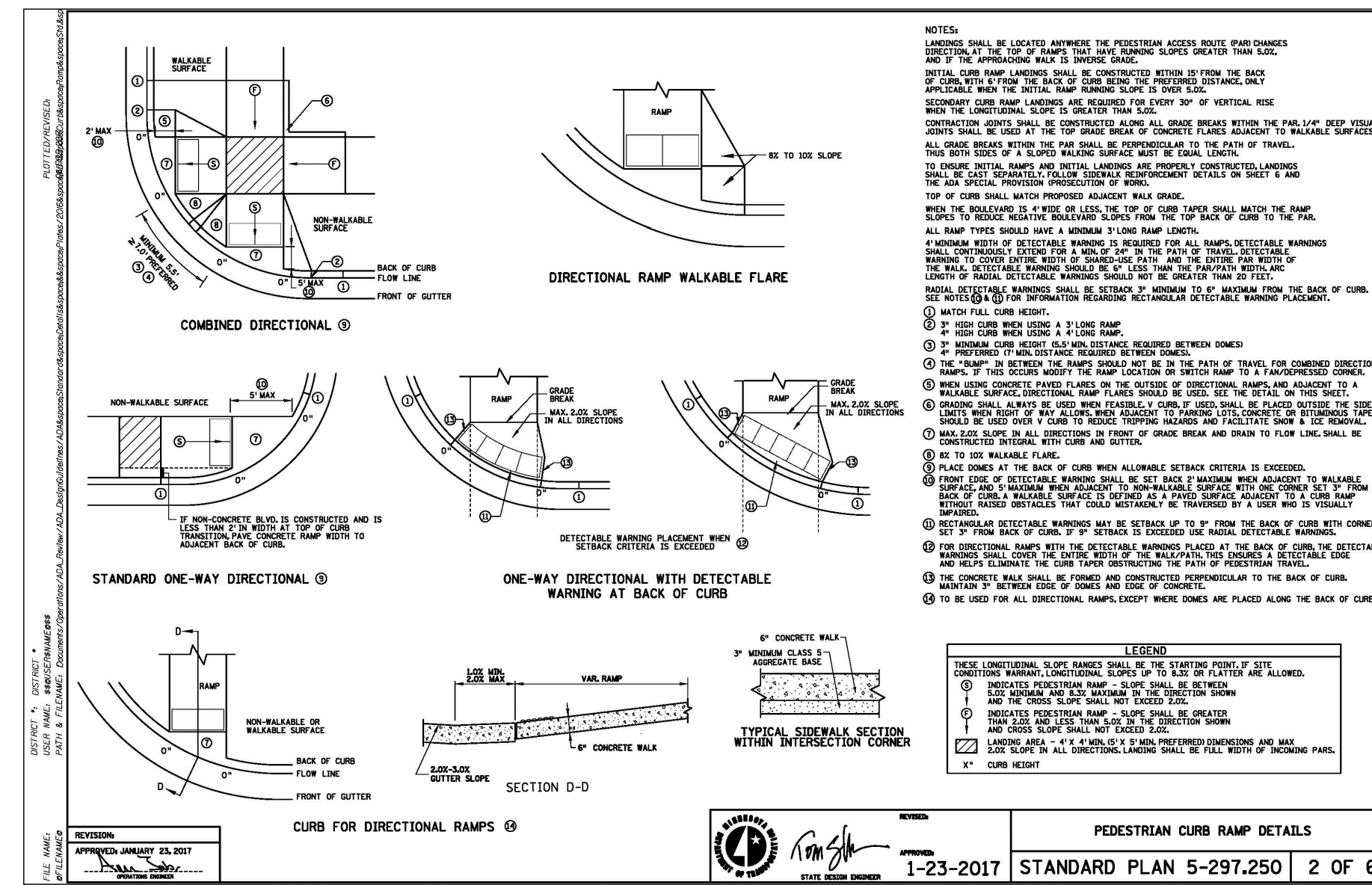
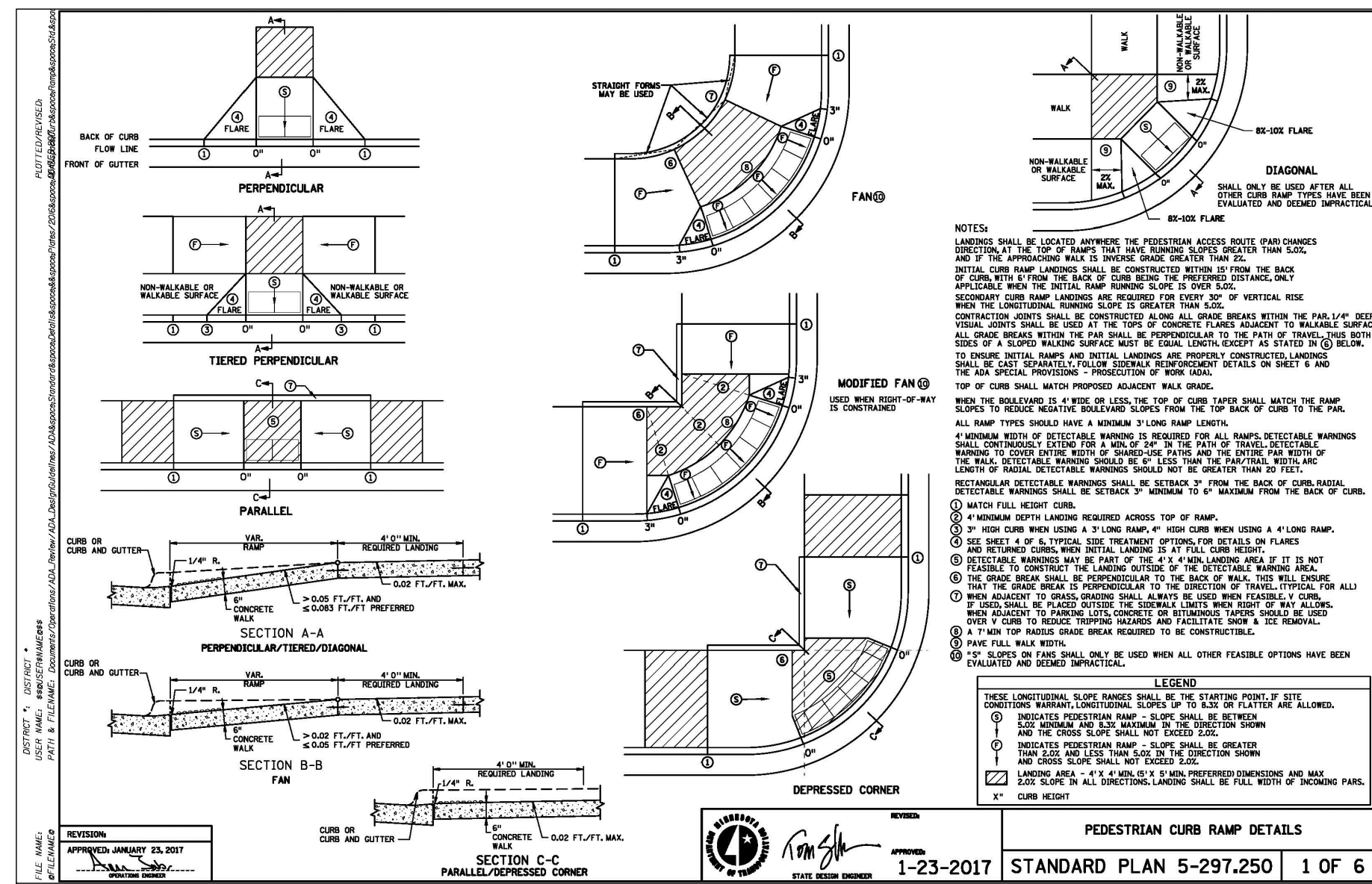
Drawn: NJP
Designed: BJK
Date: 10/06/21

RIVERSTONE DEVELOPMENT, LLC
14015 Sunfish Lake B, Suite 400
Ramsey, MN 55303

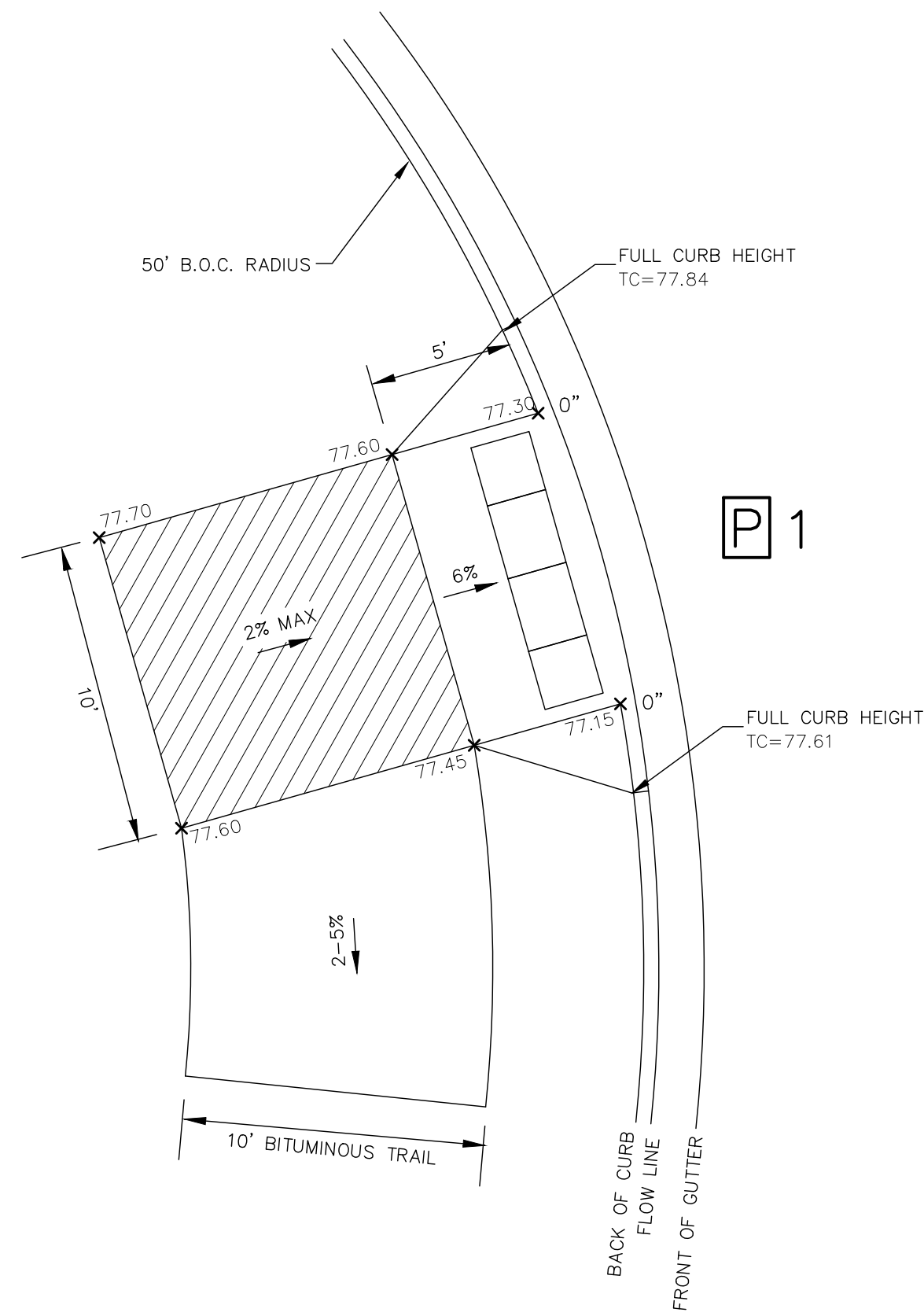
**RIVERSTONE SOUTH
1ST ADDITION**
Ramsey, MN

DETAILS

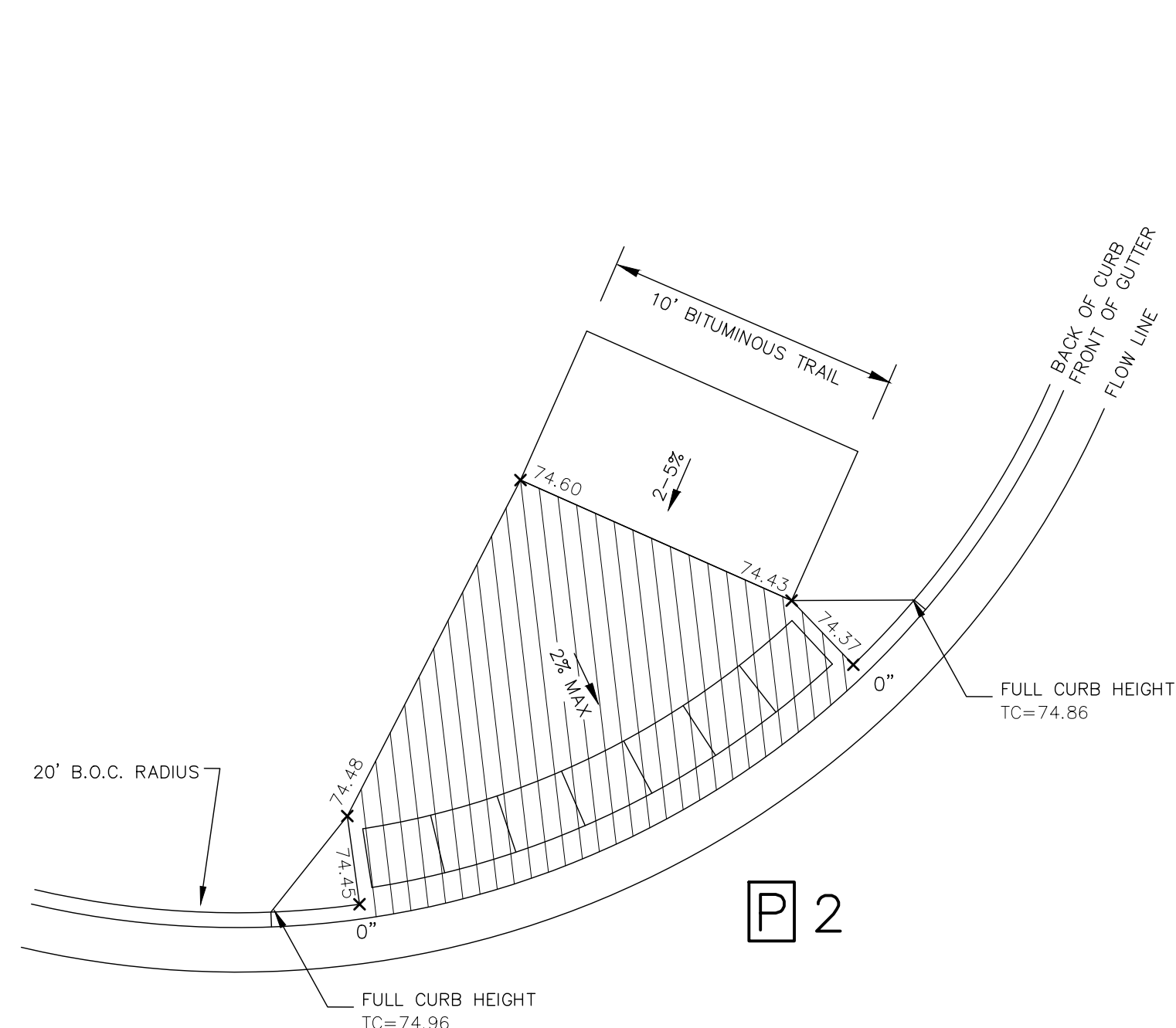
23 of 26



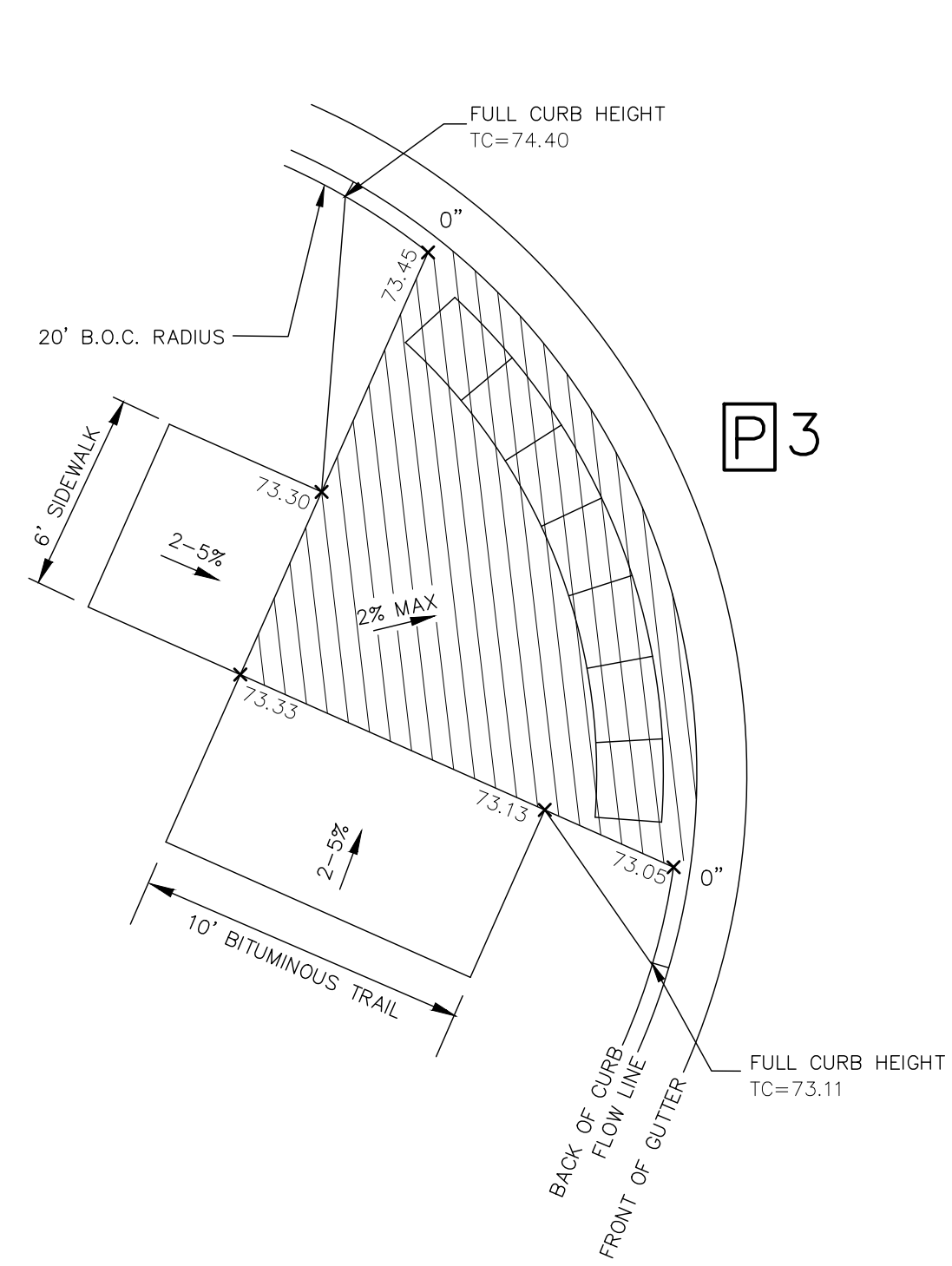
PEDESTRIAN RAMP #1
RIVERDALE DRIVE NW/SNOWY OWL STREET NW
4 TRUNCATED DOMES
1" = 5'



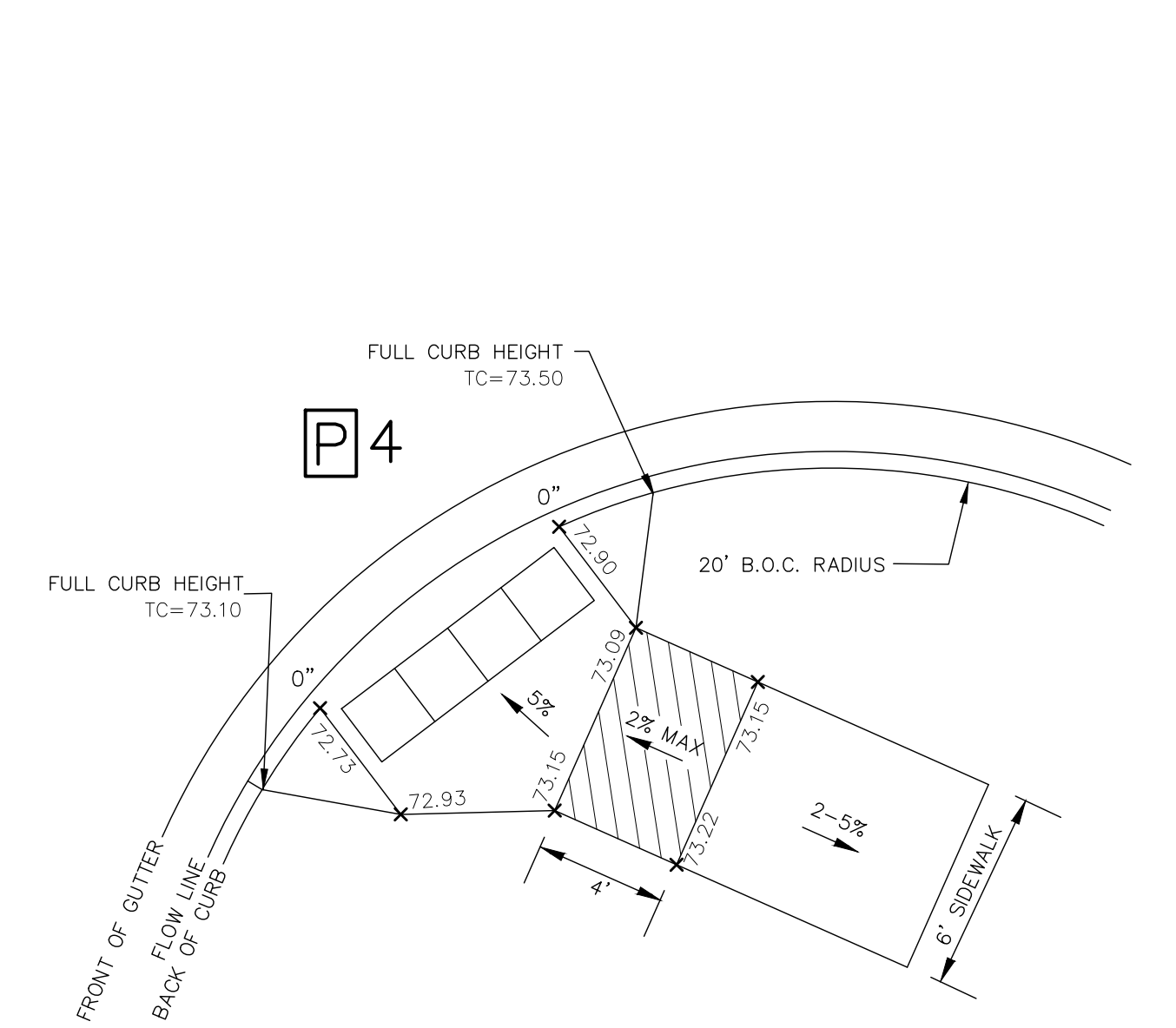
PEDESTRIAN RAMP #2
SNOWY OWL STREET NW/147TH AVENUE NW
7 TRUNCATED DOMES
1" = 5'



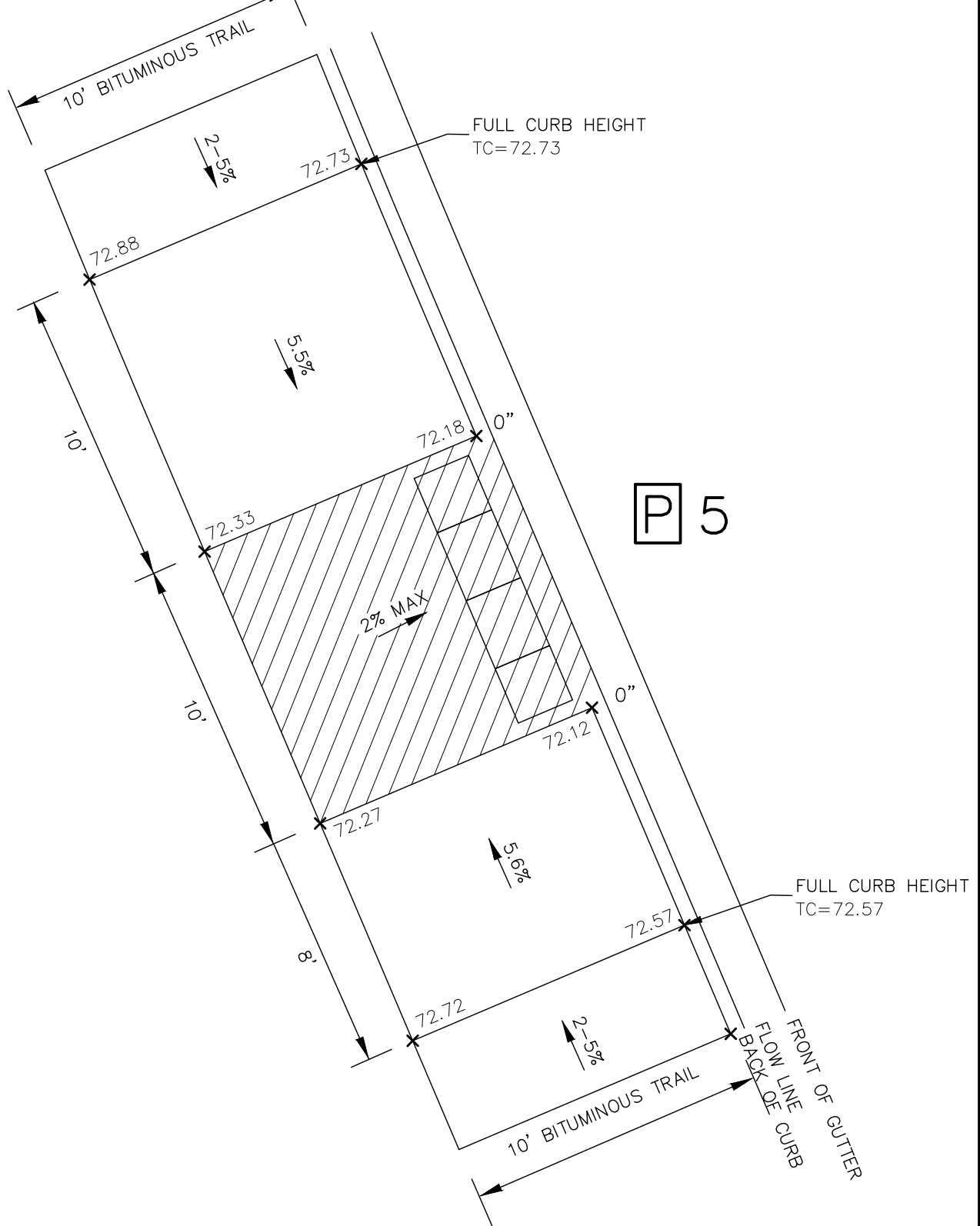
PEDESTRIAN RAMP #3
SNOWY OWL STREET NW/147TH AVENUE NW
7 TRUNCATED DOMES
1" = 5'



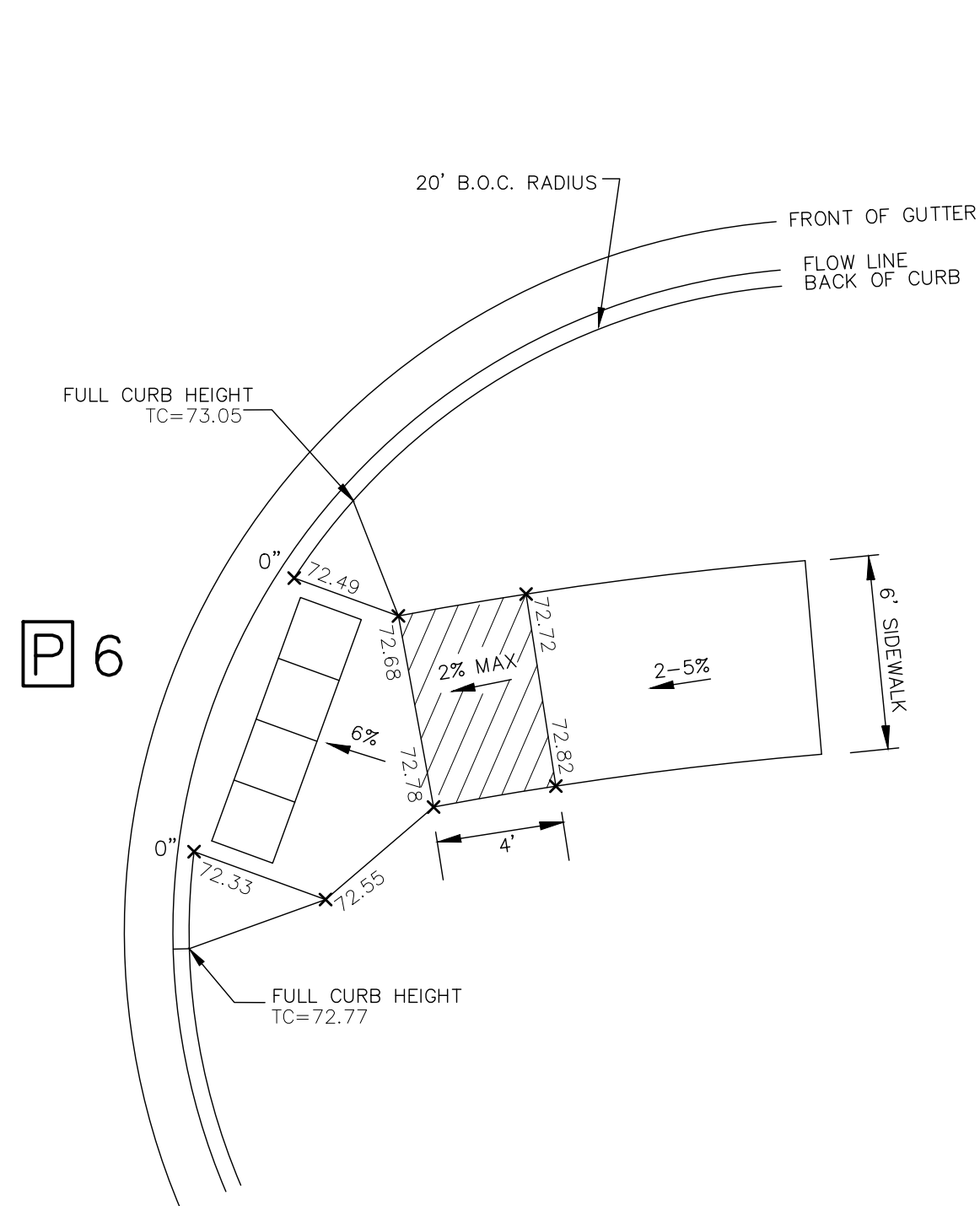
PEDESTRIAN RAMP #4
SNOWY OWL STREET NW/147TH AVENUE NW
4 TRUNCATED DOMES
1" = 5'



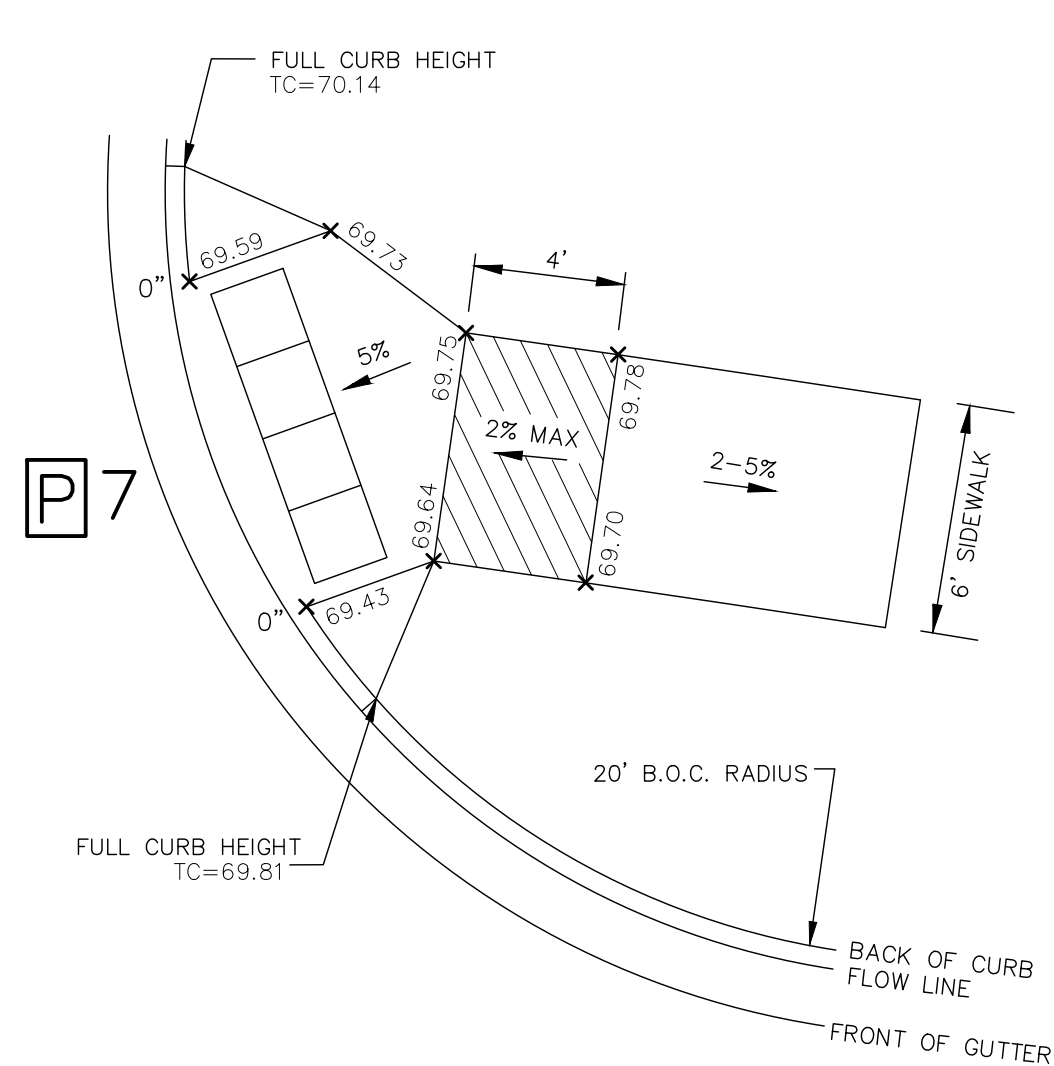
PEDESTRIAN RAMP #5
SNOWY OWL STREET NW
4 TRUNCATED DOMES
1" = 5'



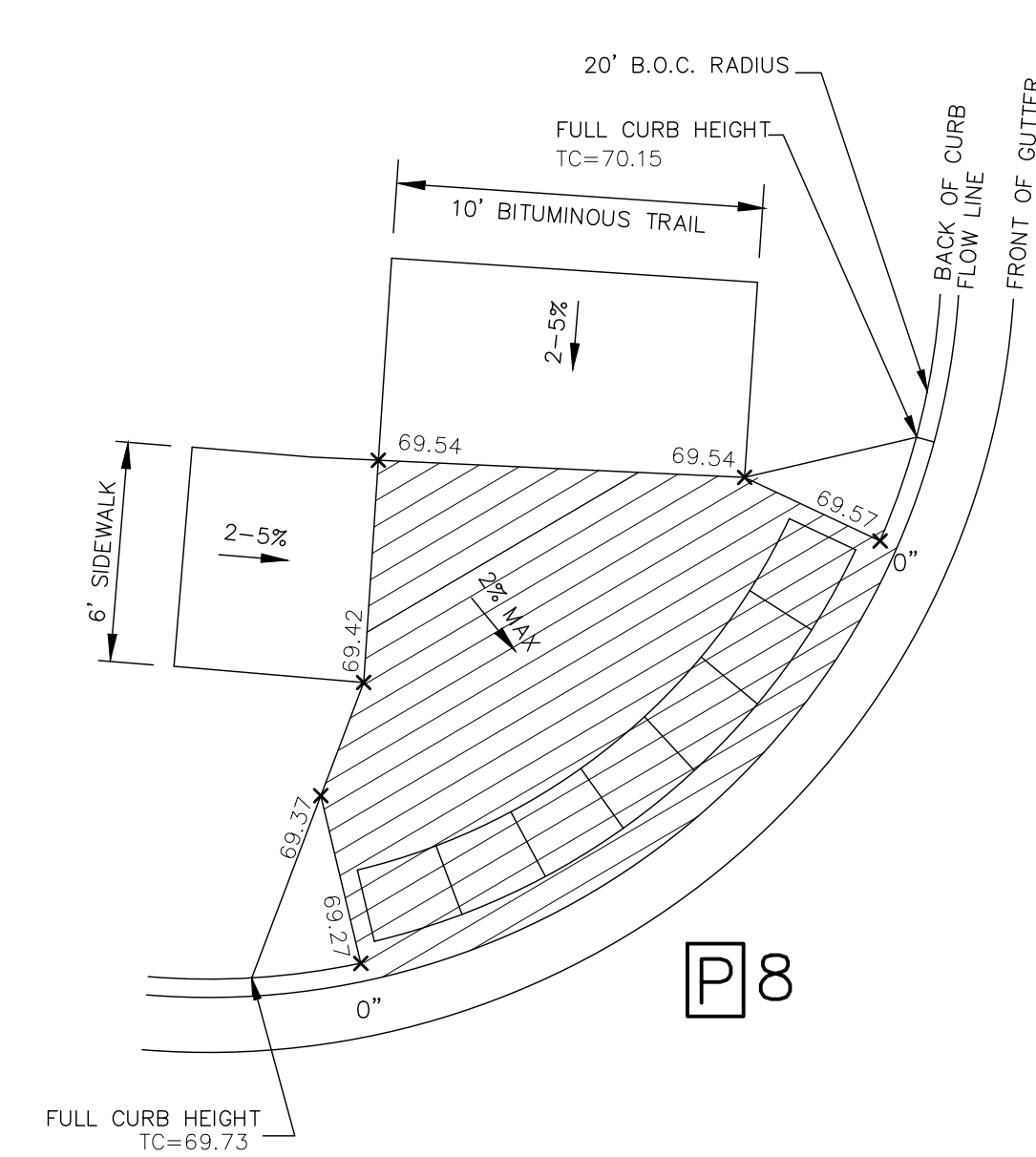
PEDESTRIAN RAMP #6
SNOWY OWL STREET NW/146TH LANE NW
4 TRUNCATED DOMES
1" = 5'



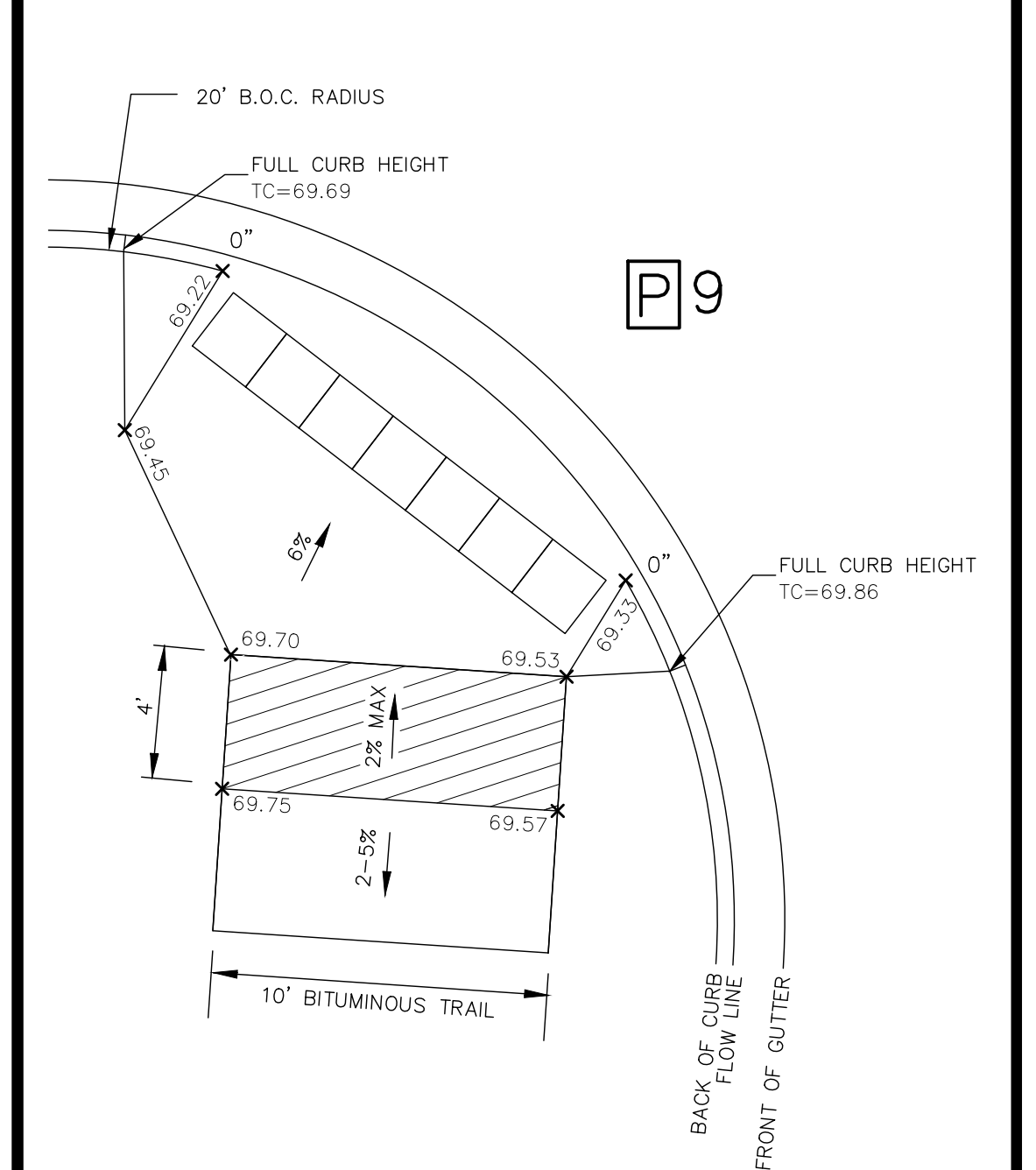
PEDESTRIAN RAMP #7
SNOWY OWL STREET NW/145TH LANE NW
PEARSON STREET NW
4 TRUNCATED DOMES
1" = 5'



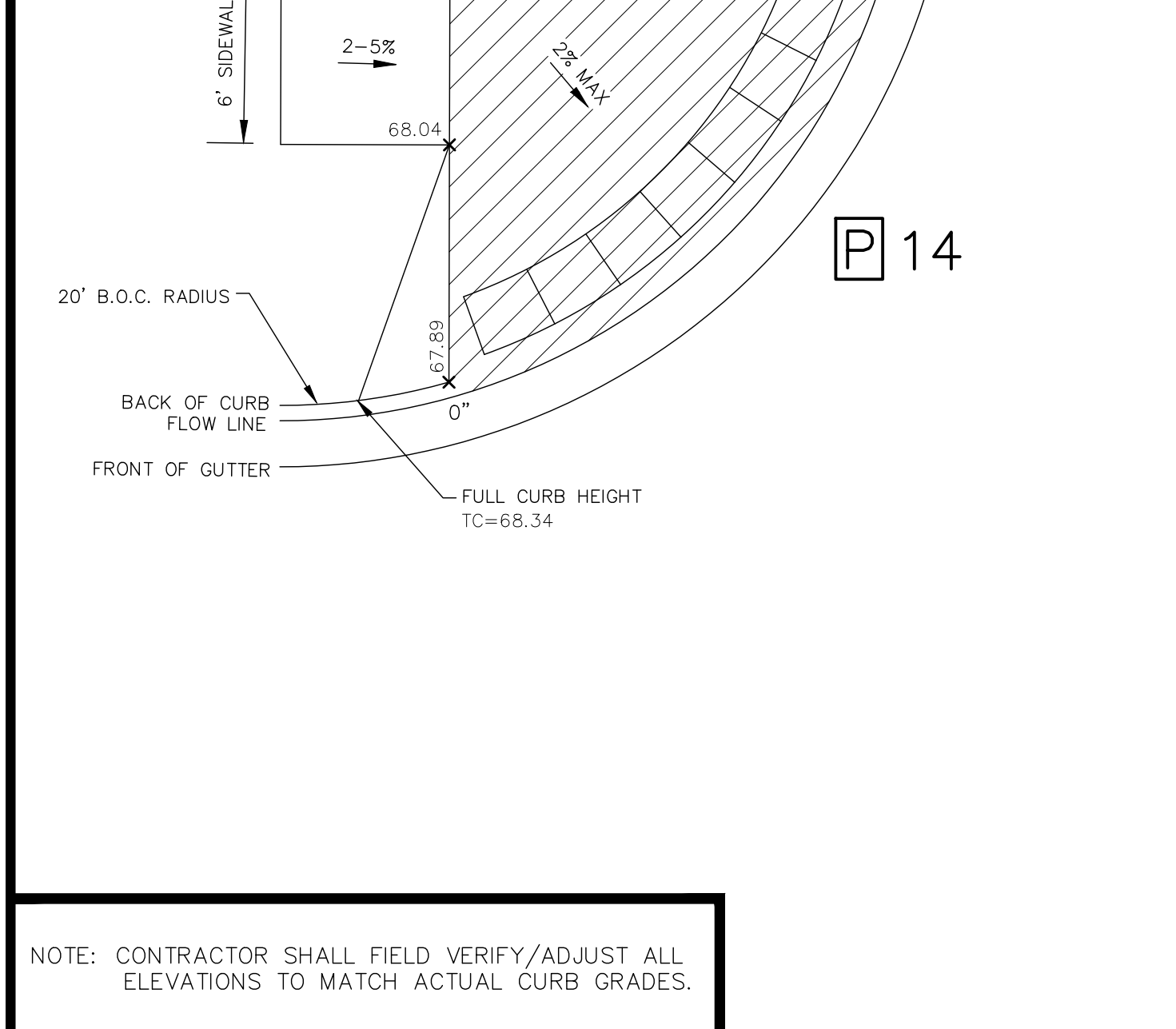
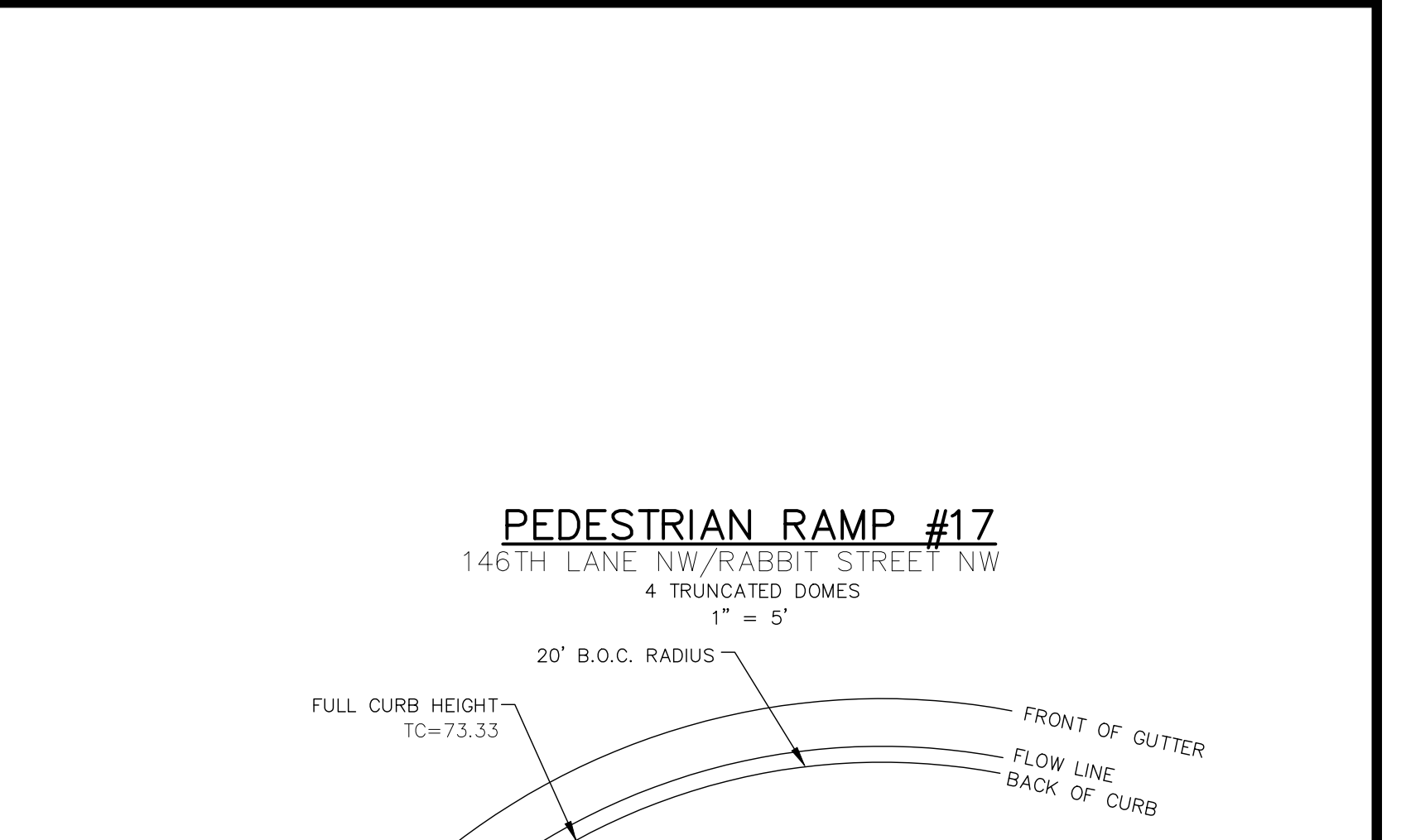
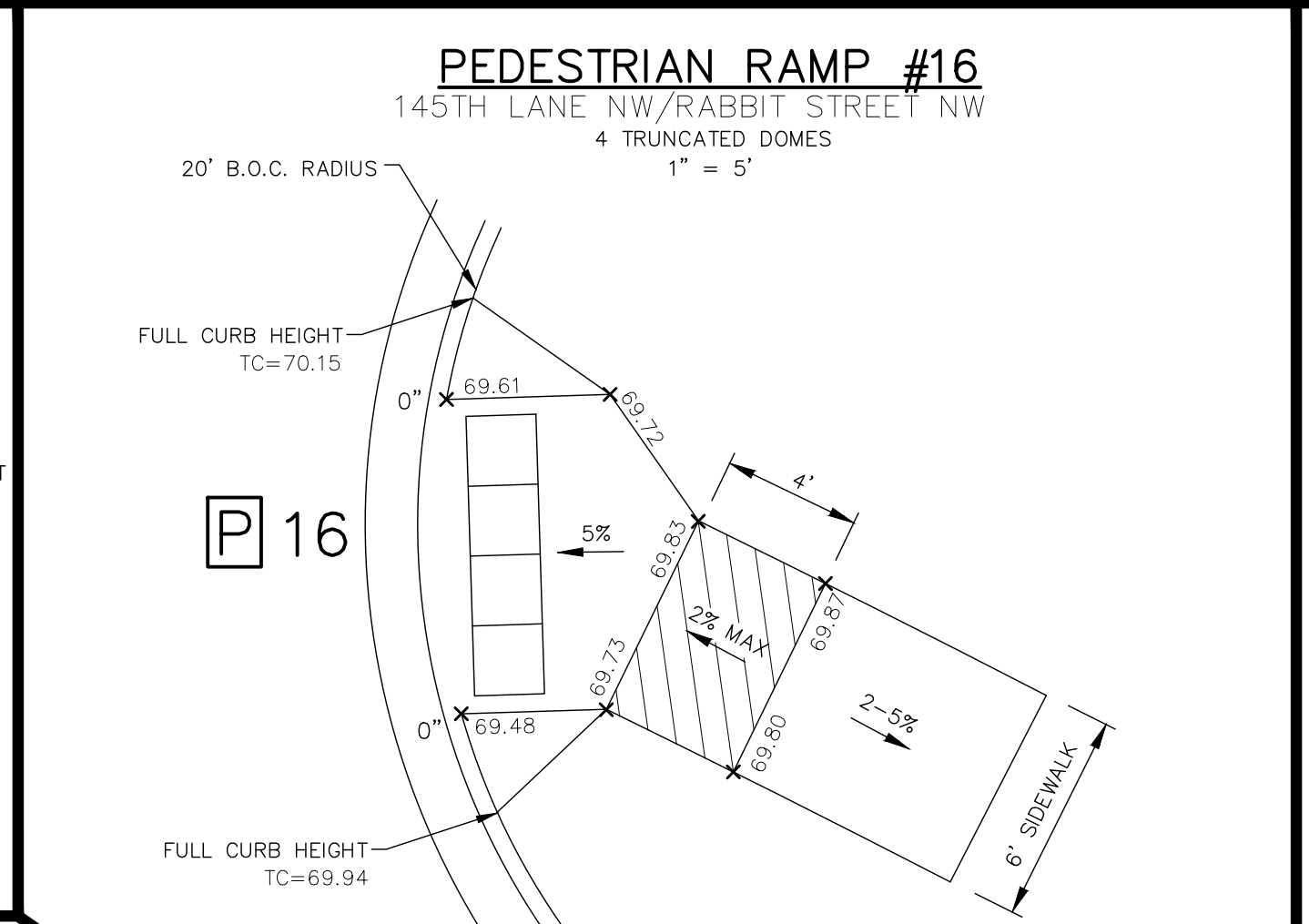
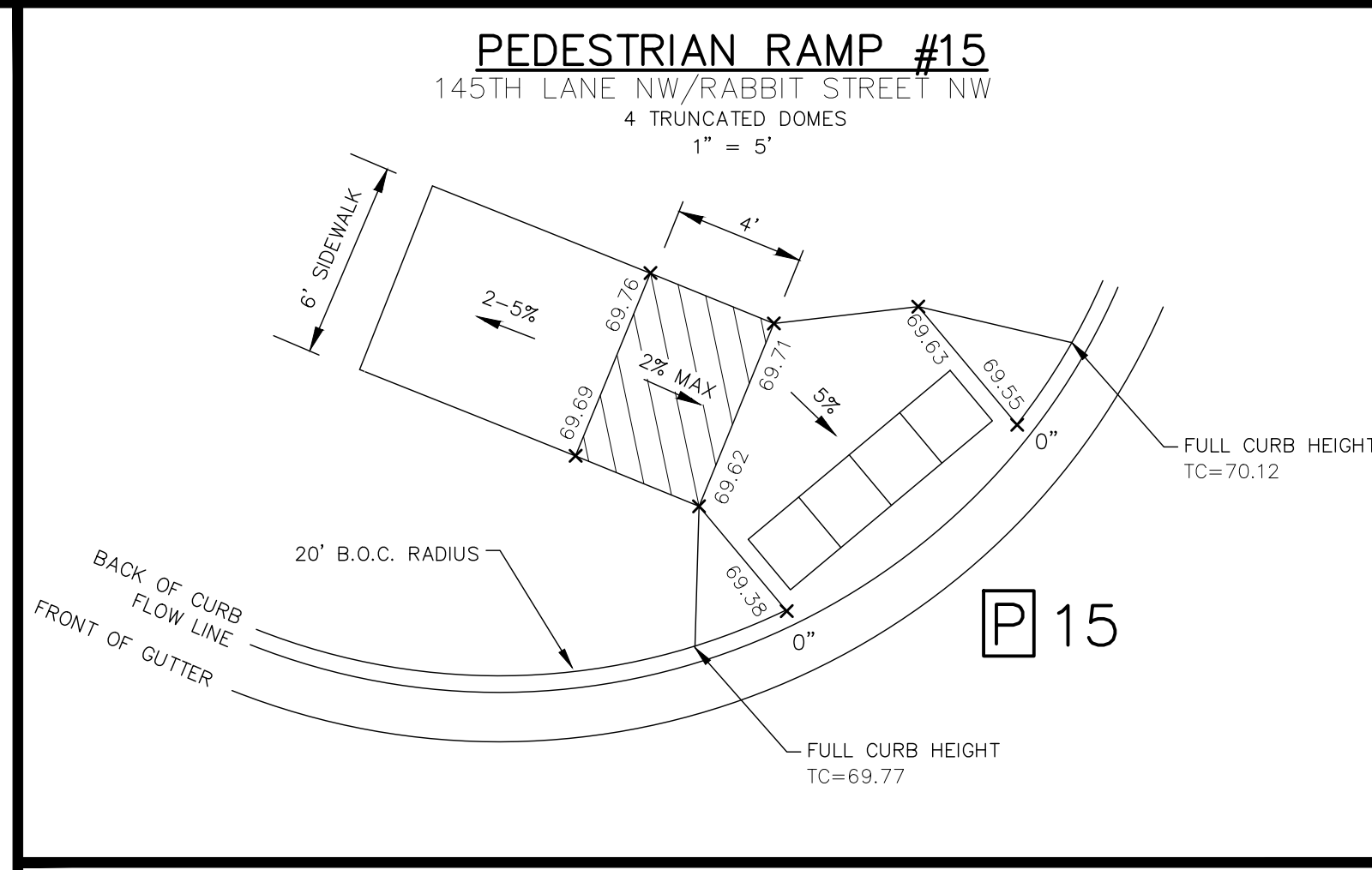
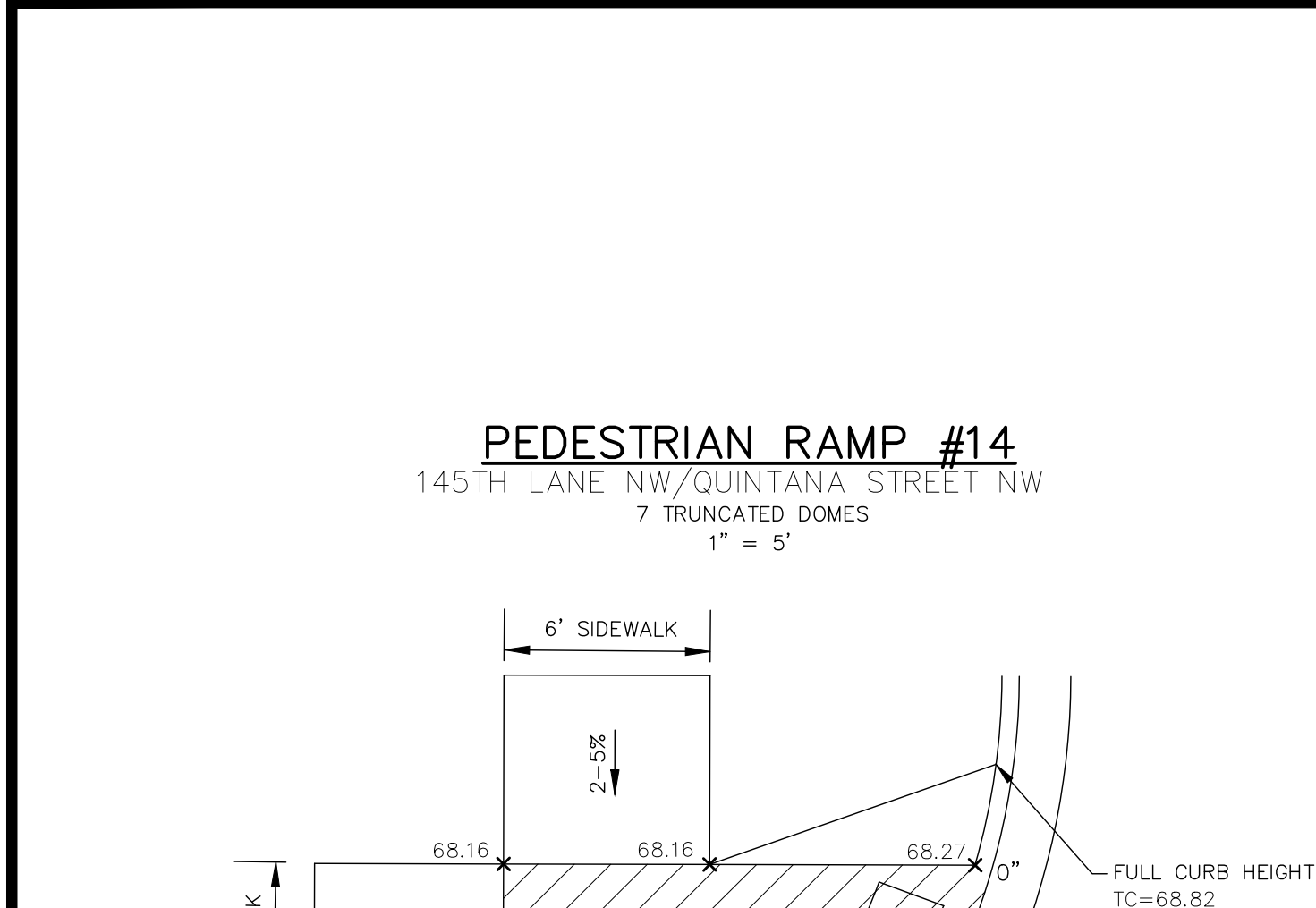
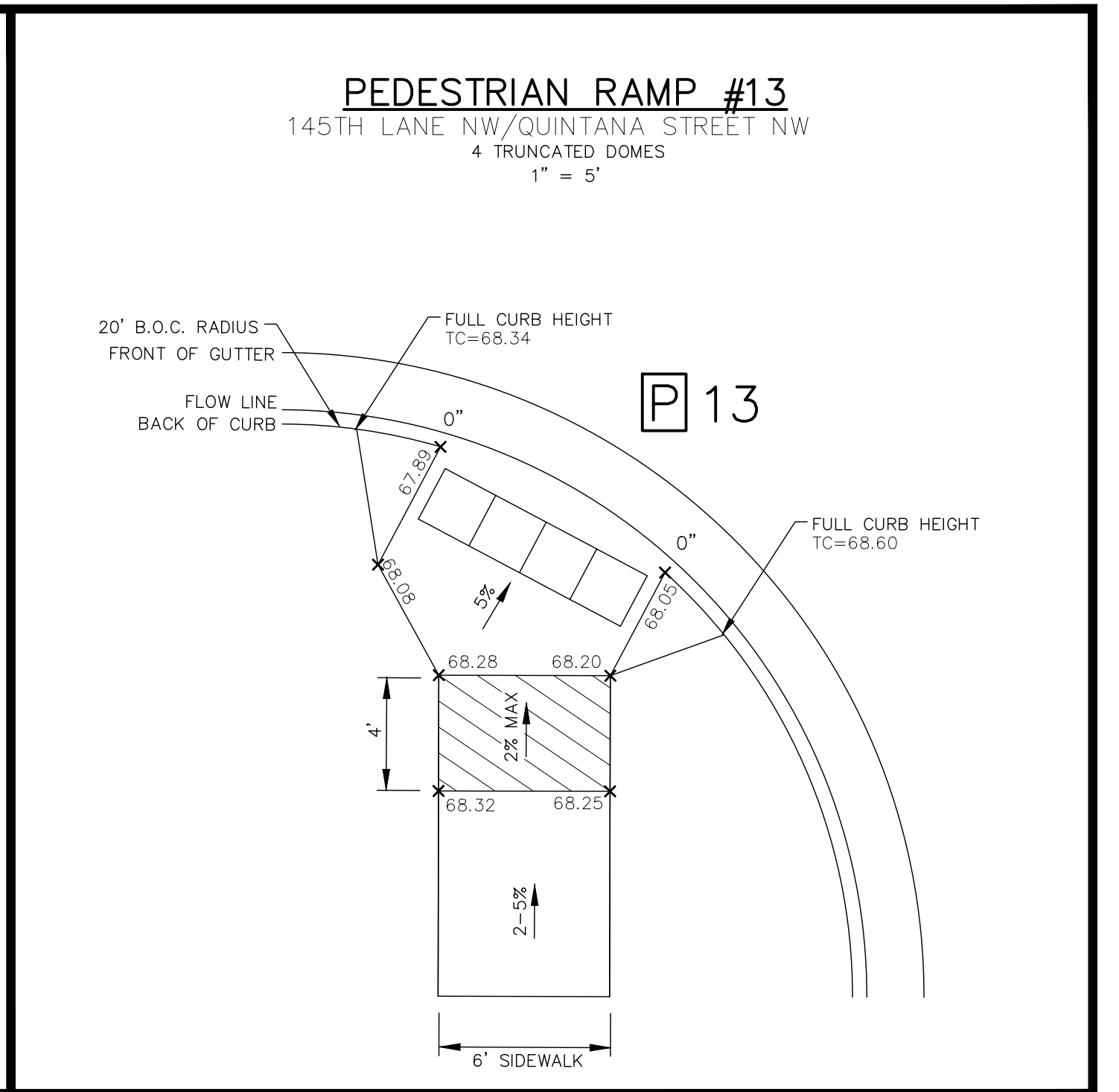
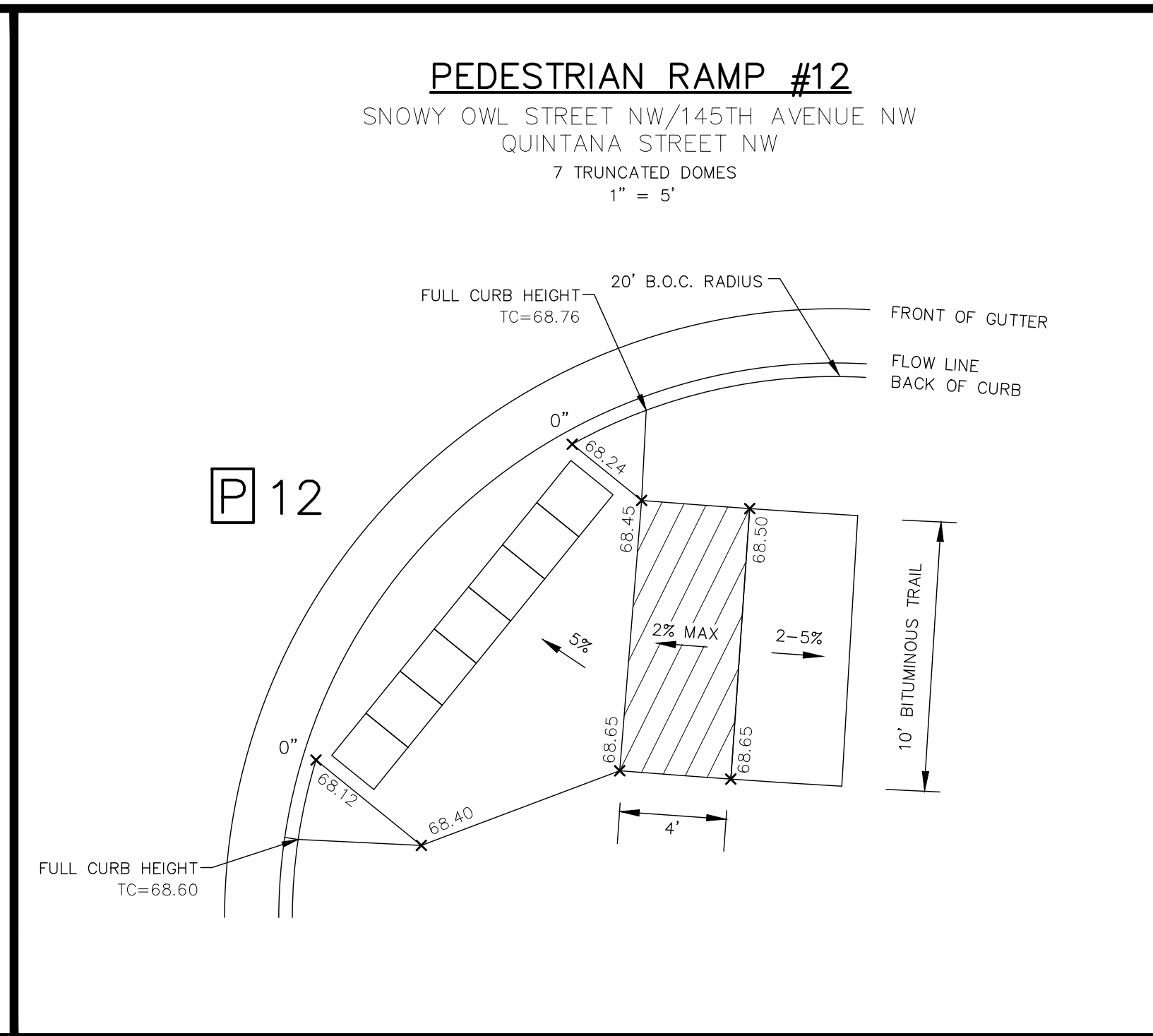
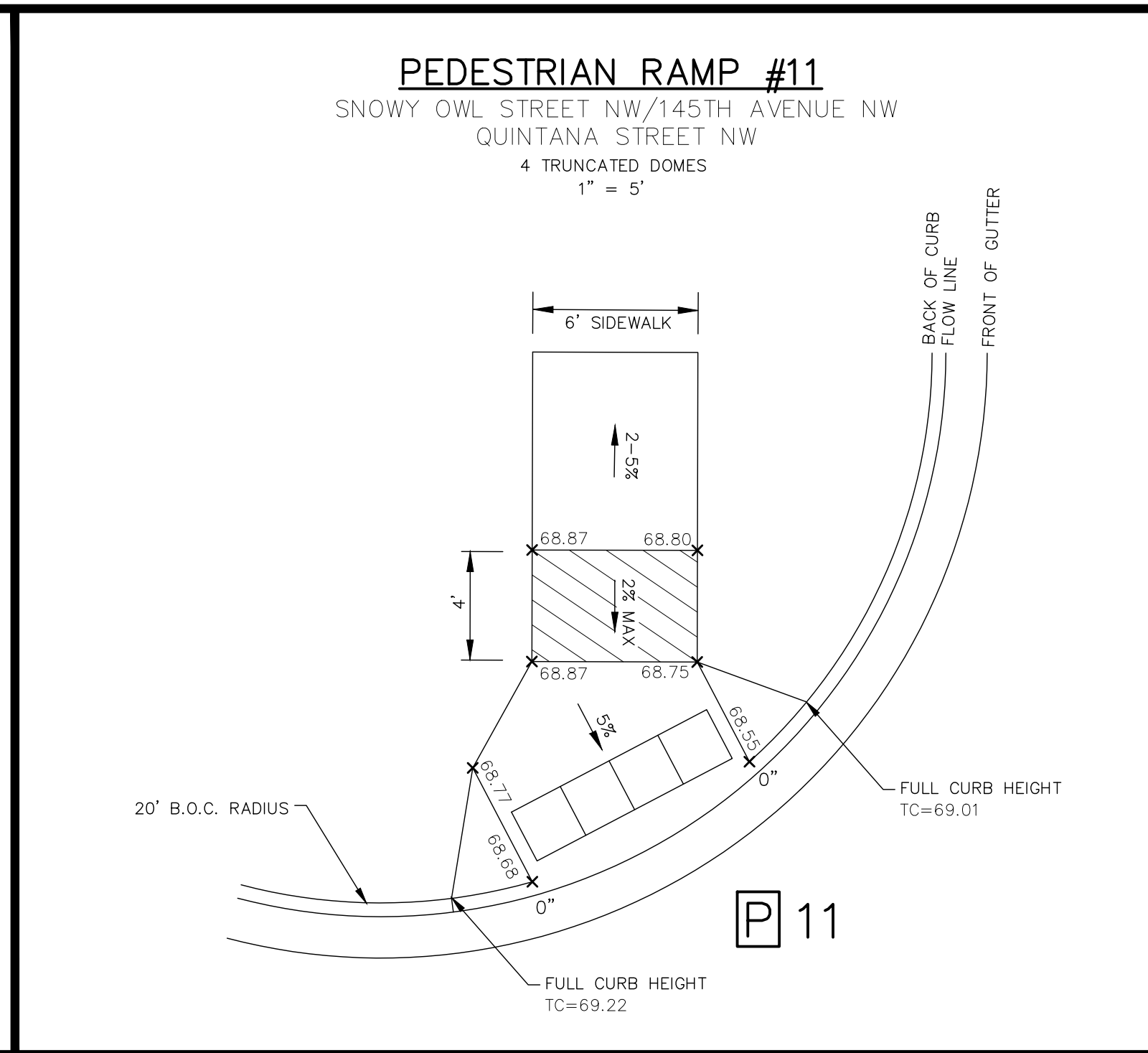
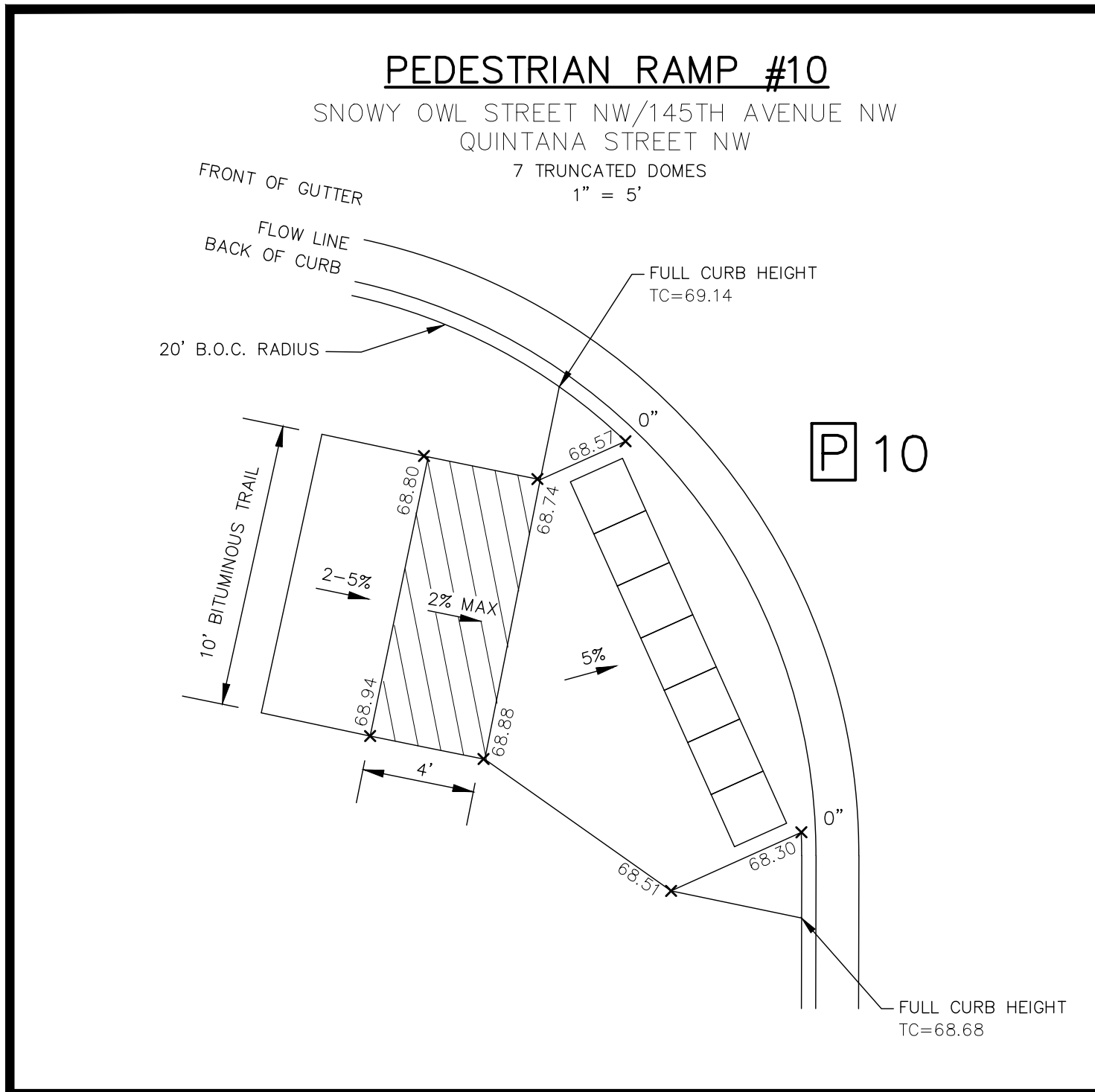
PEDESTRIAN RAMP #8
SNOWY OWL STREET NW/145TH LANE NW
PEARSON STREET NW
7 TRUNCATED DOMES
1" = 5'



PEDESTRIAN RAMP #9
SNOWY OWL STREET NW/145TH LANE NW
PEARSON STREET NW
7 TRUNCATED DOMES
1" = 5'



NOTE: CONTRACTOR SHALL FIELD VERIFY/ADJUST ALL ELEVATIONS TO MATCH ACTUAL CURB GRADES.



NOTE: CONTRACTOR SHALL FIELD VERIFY/ADJUST ALL ELEVATIONS TO MATCH ACTUAL CURB GRADES.

CARLSON McCAIN ENGINEERING SURVEYING ENVIRONMENTAL
3890 PHEASANT RIDGE DR NE SUITE 100 BLAINE, MN 55449 TEL 763.489.7900 FAX 763.489.7959 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: Brian J. Krystofiak, P.E.
Signature: *Brian J. Krystofiak*
Date: 10/06/21 License #: 25063
Drawn: NJP
Designed: BJK
Date: 10/06/21

Revisions:

RIVERSTONE DEVELOPMENT, LLC
14015 Sunfish Lake B, Suite 400
Ramsey, MN 55303

RIVERSTONE SOUTH 1ST ADDITION
Ramsey, MN

DETAILS