

Exhibit A

Ordinance Permit 20240020604

ITEMS TO BE COMPLETED PRIOR TO ACCEPTANCE OF INFRASTRUCTURE AND RELEASE OF PERMIT

Prior to acceptance of any infrastructure and release of City permits, the following items must be completed to the satisfaction of the City:

- ☒ Corrective (punch list) work completed;
- ☐ Original reproducible CAD and PDF as-built plans, signed by the Engineer of Record, provided to Public Works; Submittal of final copies of Metropolitan Council Environmental Services and MN Pollution Control Agency Permits (Sewer Extension, SAC Determination, etc.);
- ☒ Full compliance with project Quality Management Plan or other document(s) governing quality management and quality assurance;
- NA ☒ Documentation of compliance with all applicable City and non-City requirements including, but not limited to: City Public Works Right-of-Way office, Minnesota Pollution Control Agency, Capitol Region Watershed District, Ramsey-Washington Metro Watershed District.
- NA ☐ Documentation of roadway material test results at compaction of subgrade, grading and base, plant mix design report, insitu strength;
- ☒ Video provided to the City of all sanitary sewer mains and laterals, storm sewer mains and laterals, and any structural BMP's (pipe galleries, draintile, sediment control structures, weir structures, etc.) installed under any permit;
- ☒ Sewer Permit drawings provided to the City for paving connections or stubs installed for the purposes of providing service to private development(s). Sewer Permit drawings are in addition to Private Service Lateral Permit Drawings;
- NA ☐ Documentation that Public Works was notified for signal and lighting inspection of pole field layouts (staking), installed conduits and foundations, installed poles and wiring, signal head positioning, and signal phasing/detection verification;
- NA ☐ For infrastructure within parks: Documentation that the Parks Department has been notified of completion status;
- NA ☐ All applicable operation and maintenance manuals provided to Public Works; and
- ☒ Certificate of Compliance signed by Engineer of Record and provided to the City.

RELEASE OF PERMIT:

Permit No. _____ Council Res. No. _____ Permit Date _____

Release Authorized by _____ Title _____



SAINT PAUL
PUBLIC WORKS

DEPARTMENT OF PUBLIC WORKS
SEAN KERSHAW, DIRECTOR

25 West 4th Street, 1500 City Hall Annex
Saint Paul, MN 55102
Tel: 651-266-6100 | Fax: 651-266-6222

Certificate of Compliance

I hereby certify that work completed under this Ordinance Permit and materials provided for installation conform to the appropriate specifications and provisions of the current State of Minnesota Department of Transportation *Standard Specifications for Construction* and the Department of Public Works, City of Saint Paul, Minnesota, *Standard Supplemental Specifications for Construction*, as amended, and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

The Heights - Infrastructure Construction - Arlington Ave Sanitary Sewer - OP 20240020604

Project Description

License No. 59517

02-12-2025

(Signature and License No.)

Date

Bolton and Menk for Saint Paul Port Authority

Organization (Print)



City of Maplewood
1902 County Road B East
Maplewood, MN 55109
Tel: 651-249-2400

<http://www.maplewoodmn.gov/ePermits>

Permit Number: PW-2024-00195
Permit Type: Sanitary Sewer Main Line
Date Issued: 08/08/2024

PERMIT

Applicant
DESIGNING EARTH CONTRACTING

Address: 1902 East County Road B
Property ID: 142922210

Description of Work:
St Paul connecting to Maplewood for Hillcrest Development project. No fee. This is for record keeping purposes and inspection. Address is St Paul 2200 Larpenteur.

FEES Joint project City of St Paul

Payment Date	Fee Description	Receipt Number	Payment Method	Payment Amount
				NO FEE

Total:

AGREEMENT AND SWORN STATEMENT

The work for which this permit is issued shall be performed according to: (1) the conditions of this permit; (2) the approved plans and specifications; (3) the applicable City approvals, Ordinances and Codes; and (4) the State Building Code.

This permit is for only the work described and does not grant permission for additional or related work that requires separate permits.

This permit will expire and become null and void if authorized construction is not commenced within 180 days, or if construction is suspended for a period of 180 days at any time after work has commenced. The applicant is responsible for assuring all required inspections are requested in conformance with the State Building Code.

 CITY OF ST PAUL Department of Public Works 25 West 4th Street 1500 City Hall Annex Saint Paul, MN 55102	ORDINANCE PERMIT	OFFICE USE ONLY Application No. <u>9</u> Application Date <u>7/25/2024</u> SPR File # <u>23-064690</u> Permit No. <u>20240020604</u>
Type of Permit: ☐ 01 Roadway ☐ 02 Sidewalk ☐ 03 Traffic Appurtenances Including Signals, Lighting, EV Infrastructure, Signing, Striping ☐ 04 Storm Sewer Collection ☐ 05 Storm Sewer Treatment ☒ 06 Sanitary Sewer Collection ☐ 07 Sanitary Sewer Special ☐ 08 Retaining Wall ☐ 09 Bridge		
Modifications to the original 20240020604 were made at the request of the SPPA. Changes made by DLK 04/02/2025		
Phase: 4A - Sanitary Collection	Location (Street On, From/To, and Adjacent Lots/Blocks): Arlington Avenue MH6405 to MH6400 (connects to existing sanitary at McKnight).	
Description of Work: [Include the description provided in the permit application and all subsequent amendments or revisions, which are hereby incorporated by reference.] Arlington Avenue MH6405 to MH6400 (connects to existing sanitary at McKnight). Includes 2 8-inch PVC services, one to IP5 and another to IP6. Montana MH6303 to MH6301 at Montana/McKnight intersection. Includes 1 (one) 8-inch PVC service at MH6202. McKnight MH6301 to MH6300 then connect to existing sanitary sewer under McKnight. TWO SERVICES AT MH6303 ARE NOT INCLUDED IN THIS OP APPLICATION.		
Applicant Contact Person: Kristine Williams	Contact Person Title: Director of Real Estate SPPA	Contact Person Telephone: 651-204-6225
		Contact Person Email: kmw@sppa.com
Bond Co.: N/A		Bond Amount: N/A
		Bond No.: N/A
Insurance Co.: United Fire & Cas., SFM Mutual Ins., Navigators Spec. Ins.		Insurance Certificate No.: 13021, 11347, 36056
Permit Conditions: Completion of all proposed infrastructure elements in conformance and compliance with all plans, specifications, standards and regulations. Complete closeout checklist for final acceptance by the City of St. Paul.		

This permit is issued with the stipulation that the work of the permittee and related agents, employees and contractors shall conform in all respects to the City of Saint Paul Department of Public Works Ordinance Permit Process Document and the Department of Public Works List of Applicable Standards & Specifications. The permit shall be available for display at the site referred to herein and shown to any Police Officer or Inspector upon demand and does not authorize or allow for interference with the work of any Contract made or to be made with the City of Saint Paul.

**THIS PERMIT MAY BE REVOKED AT ANY TIME
BY THE DIRECTOR OF PUBLIC WORKS**

A PERMIT FOR THE ABOVE DESCRIBED CONSTRUCTION IS AUTHORIZED BY:		
<u>David Kuebler, P.E.</u> Signature	<u>Department Lead</u> Title	<u>August 12, 2024</u> Date
<u>David Kuebler, P.E.</u> Printed Name		

PERMIT NUMBER 20240020604

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 - ☐ Full compliance with project Quality Management Plan or other document(s) governing quality management and quality assurance;
 - ☐ Documentation of compliance with all applicable City and non-City requirements including, but not limited to: City Public Works Right-of-Way office, Minnesota Pollution Control Agency, Capitol Region Watershed District, Ramsey-Washington Metro Watershed District.
- NA ☐ Documentation of roadway material test results at compaction of subgrade, grading and base, plant mix design report, insitu strength;
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RELEASE OF PERMIT:

Permit No. _____ Council Res. No. _____ Permit Date _____

Release Authorized by _____ Title _____

SCALE: AS SHOWN
DESIGN BY: PJM
PLAN BY: PJM
CHECK BY: JMT

REVISIONS

NO.	DATE	DESCRIPTION

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.

PAUL HORNBY, P.E.

LIC. NO. 23359

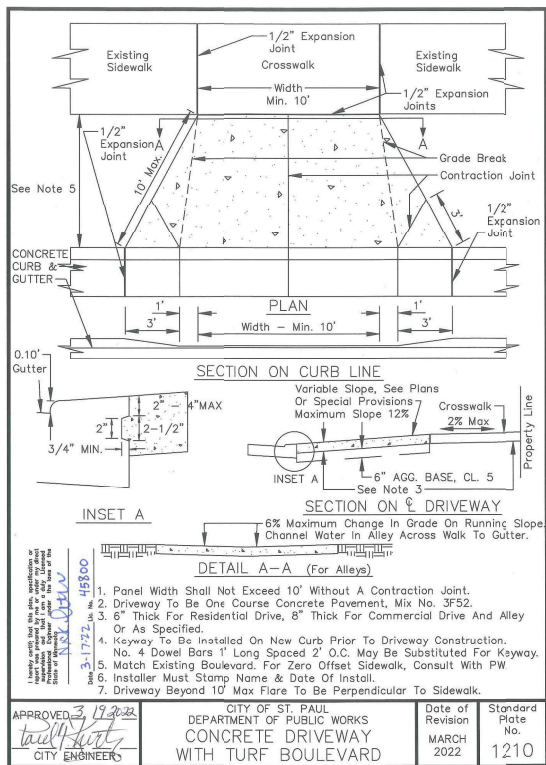
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STANDARD DETAILS

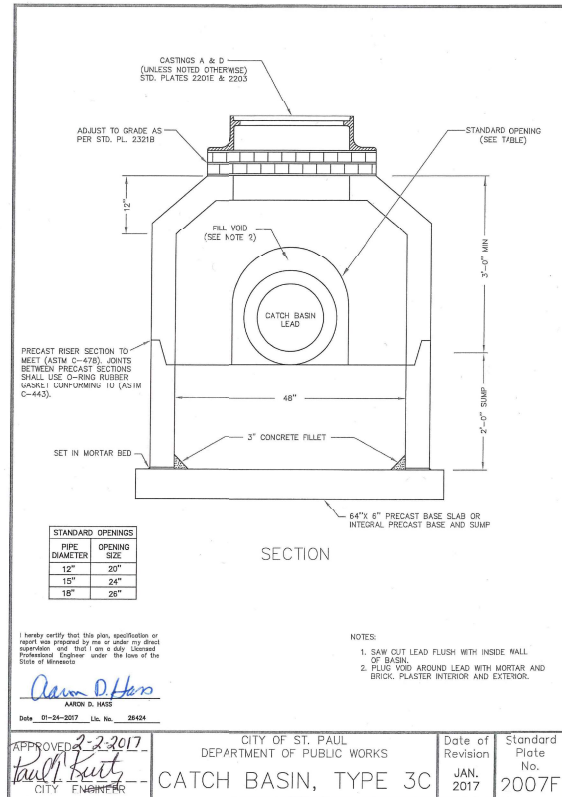
BID PACKAGE NO. 2
INFRASTRUCTURE PLANS FOR:
SAINT PAUL, MINNESOTA

Saint Paul
Port Authority
400 Wabasha Street North
Suite 240
St Paul, Minnesota 55102
Phone 612-224-5686

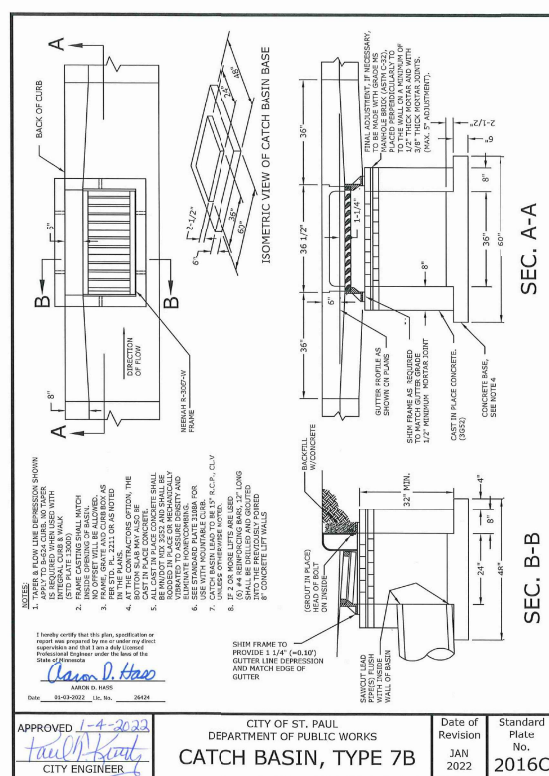
WSB PROJECT NO.
013987-000



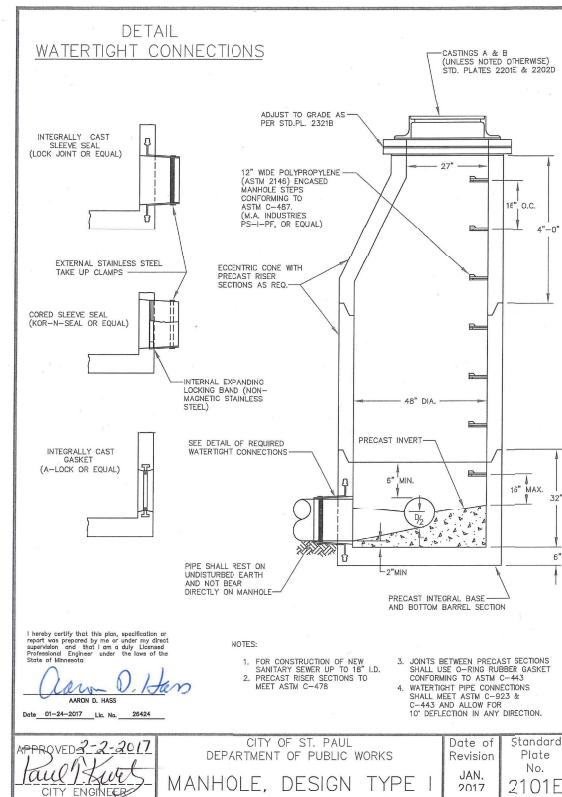
1 CONCRETE DRIVEWAY WITH TURF BOULEVARD
SCALE: NOT TO SCALE 1210



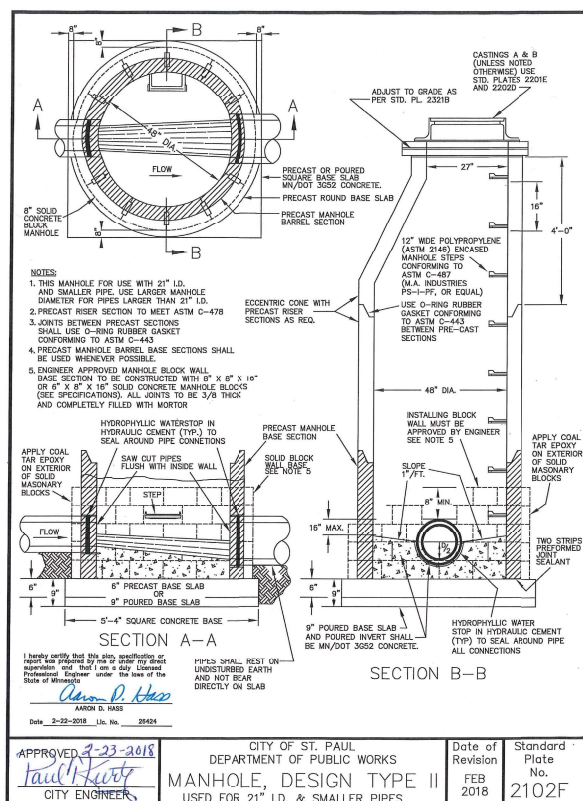
2 CATCH BASIN TYPE 3C
SCALE: NOT TO SCALE 2007F



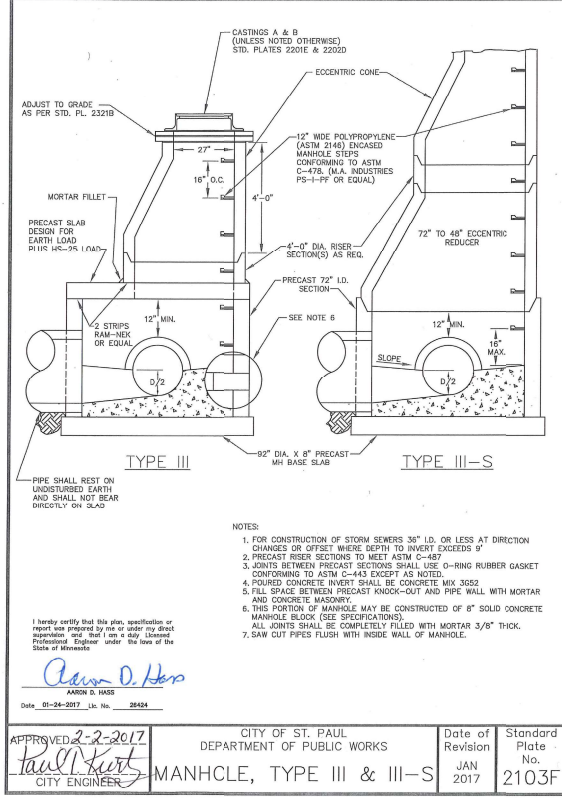
3 CATCH BASIN TYPE 7B
SCALE: NOT TO SCALE 2016C



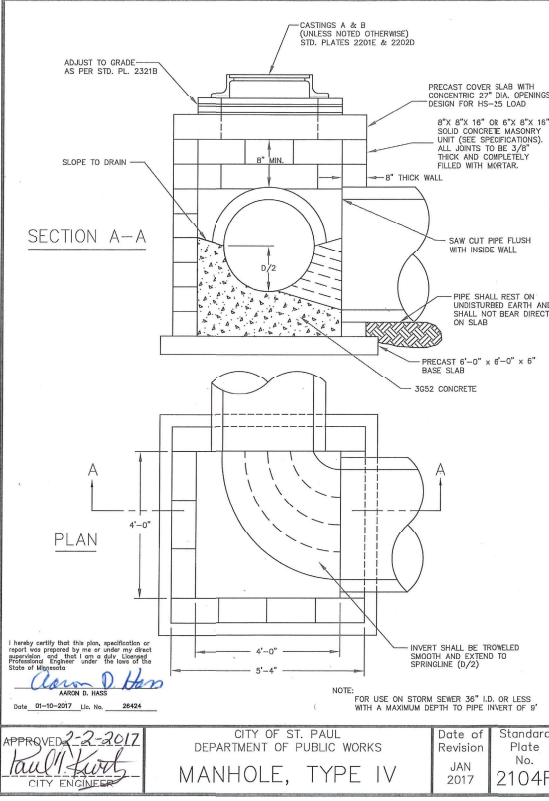
4 MANHOLE DESIGN TYPE I
SCALE: NOT TO SCALE 2101E



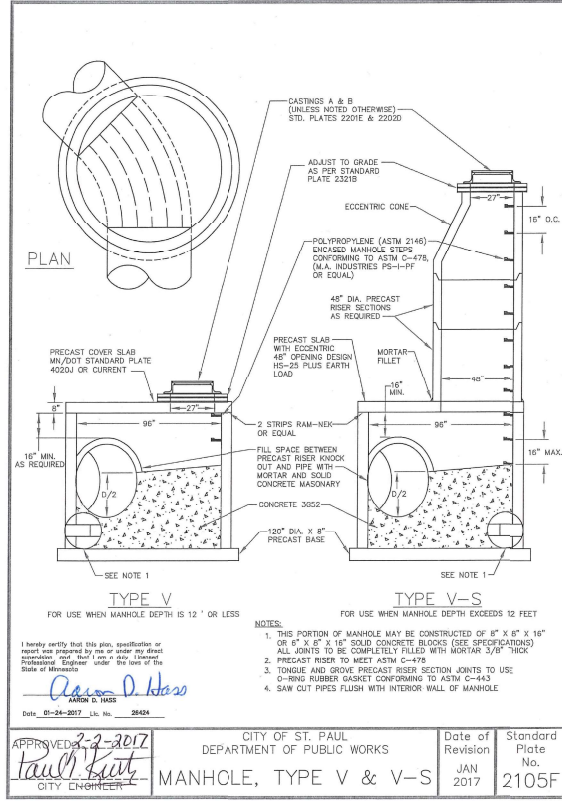
5 MANHOLE DESIGN TYPE II
SCALE: NOT TO SCALE 2102F



6 MANHOLE DESIGN TYPE III & III-S
SCALE: NOT TO SCALE 2103F



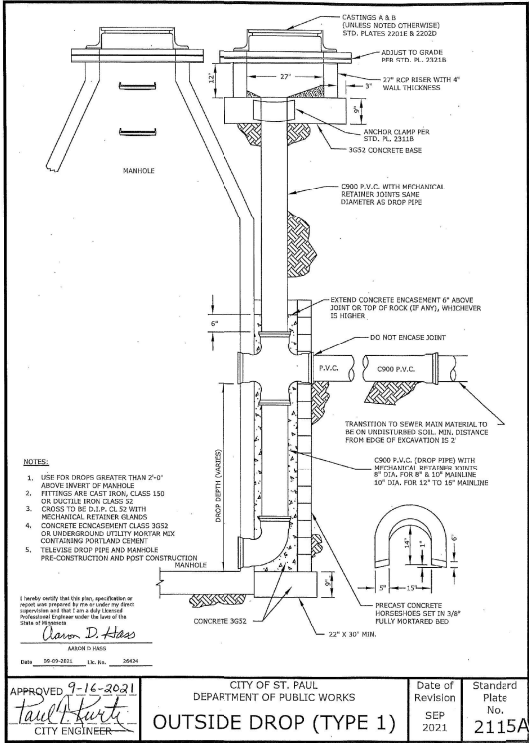
7 MANHOLE, TYPE IV
SCALE: NOT TO SCALE 2104F



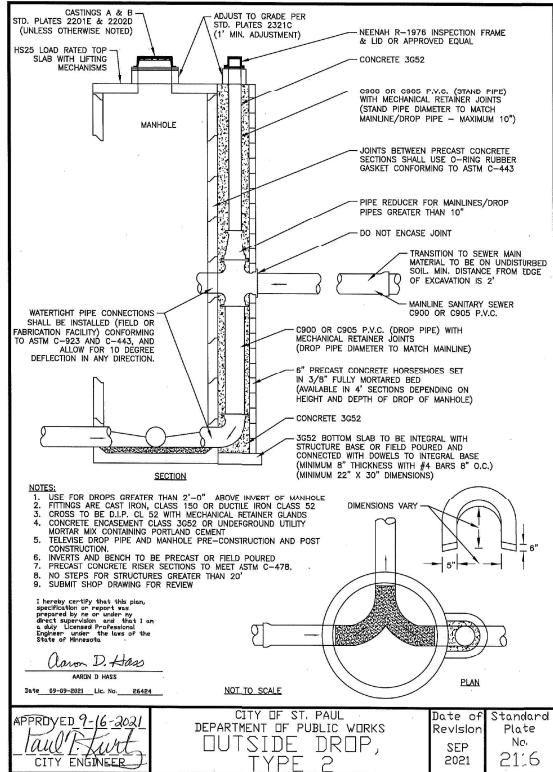
8 MANHOLE, TYPE V & V-S
SCALE: NOT TO SCALE 2105F

NOTE: ALL CITY OF ST. PAUL STANDARD PLATES AND SPECIFICATIONS (LATEST EDITION) ARE APPLICABLE TO THIS PROJECT WHETHER SHOWN OR NOT SHOWN HEREIN.

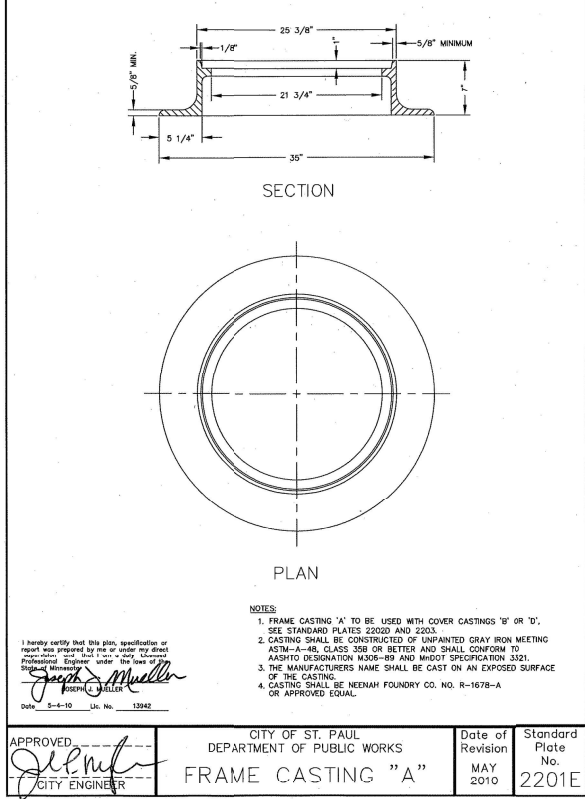
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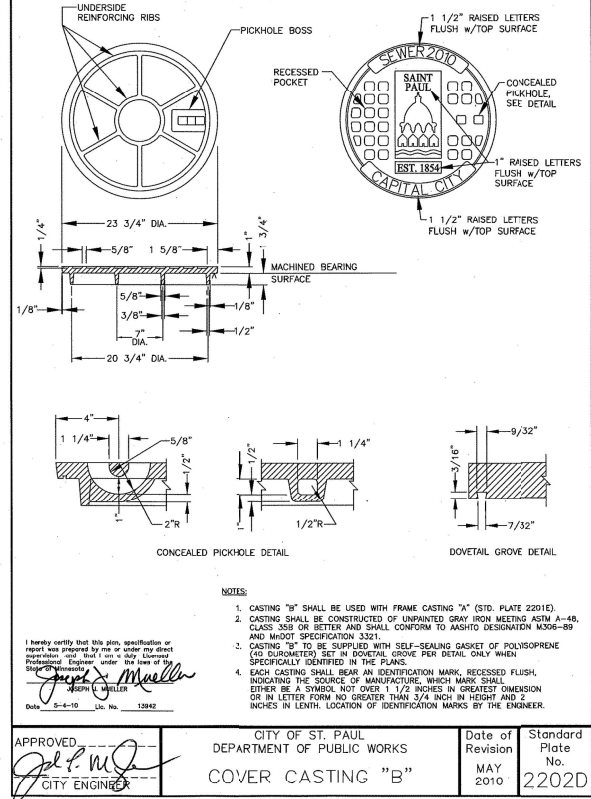
1 OUTSIDE DROP (TYPE 1)
6 SCALE: NOT TO SCALE 2115A



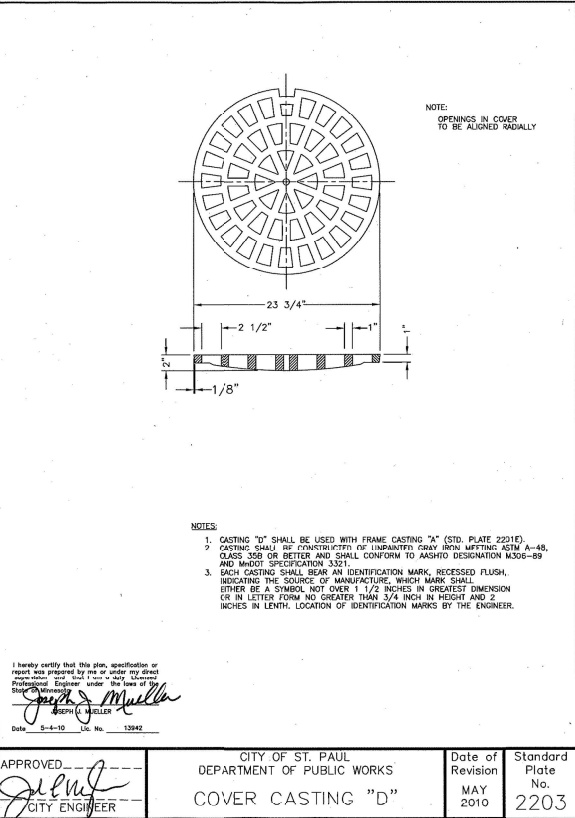
2 OUTSIDE DROP, TYPE 2
16 SCALE: NOT TO SCALE 2116



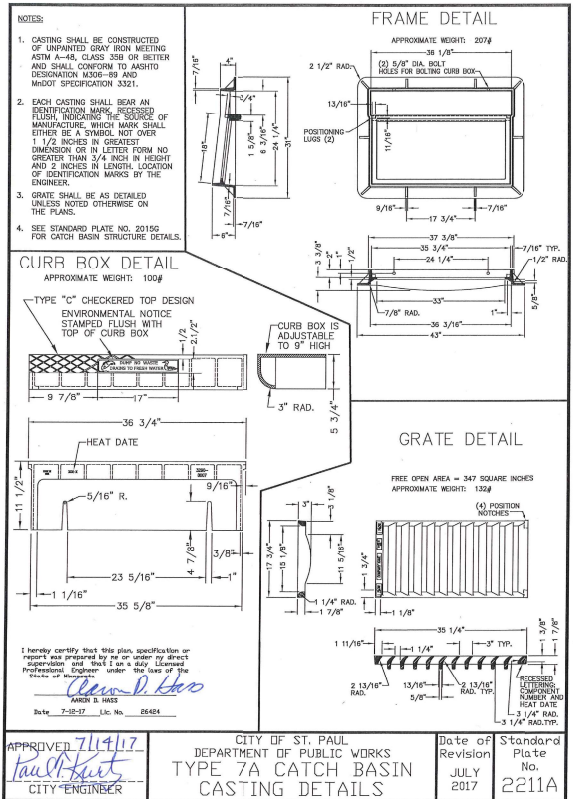
3 FRAME CASTING "A"
16 SCALE: NOT TO SCALE 2201E



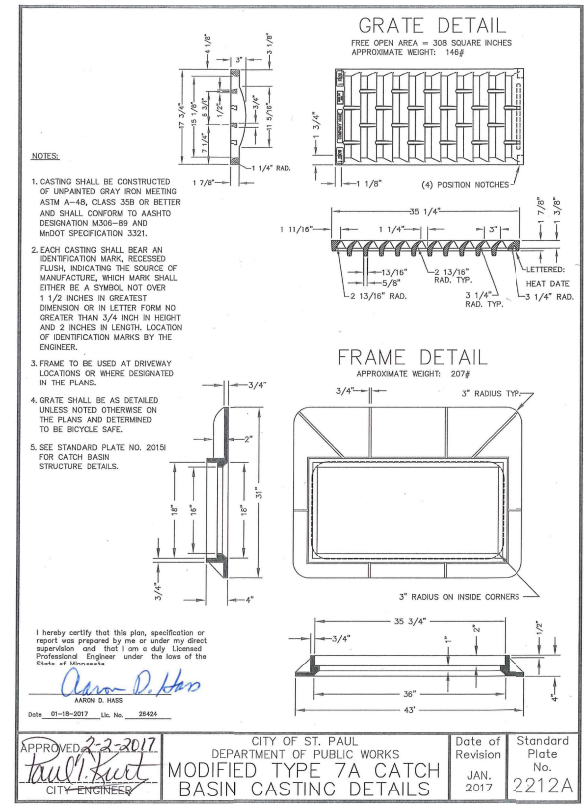
4 COVER CASTING "B"
16 SCALE: NOT TO SCALE 2202D



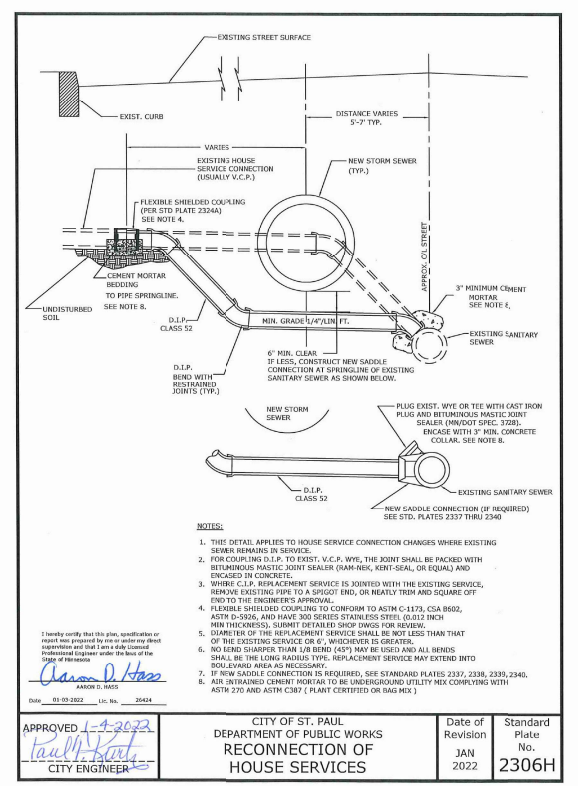
5 COVER CASTING "D"
16 SCALE: NOT TO SCALE 2203



6 TYPE 7A CATCH BASIN CASTING
16 SCALE: NOT TO SCALE 2211A



7 MODIFIED 7A CATCH BASIN CASTING
16 SCALE: NOT TO SCALE 2212A



8 RECONNECTION OF HOUSE SERVICES
16 SCALE: NOT TO SCALE 2306H

wsb

SCALE: AS SHOWN
DESIGN BY: PJM
PLAN BY: PJM
CHECK BY: JMT

REVISIONS	
NO.	DATE

DATE: 03/29/2024 LIC. NO. 23359

PAUL HORNBY, P.E.

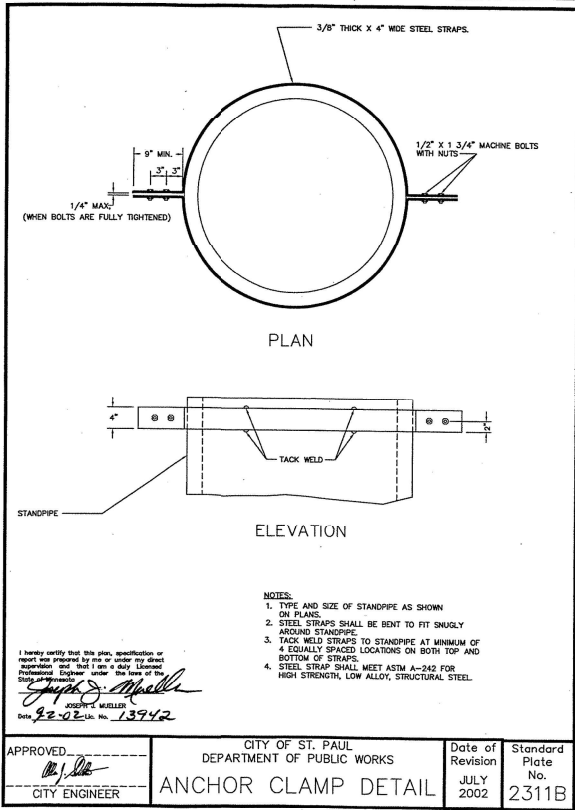
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STANDARD DETAILS

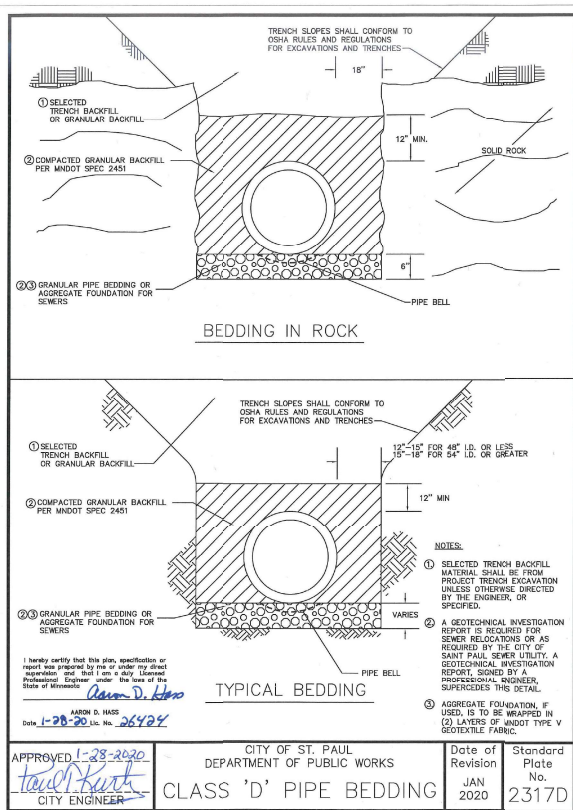
BID PACKAGE NO. 2
INFRASTRUCTURE PLANS FOR:
SAINT PAUL, MINNESOTA

Saint Paul
Port Authority
400 Wabasha Street North
Suite 240
St Paul, Minnesota 55102
Phone 612-224-5686

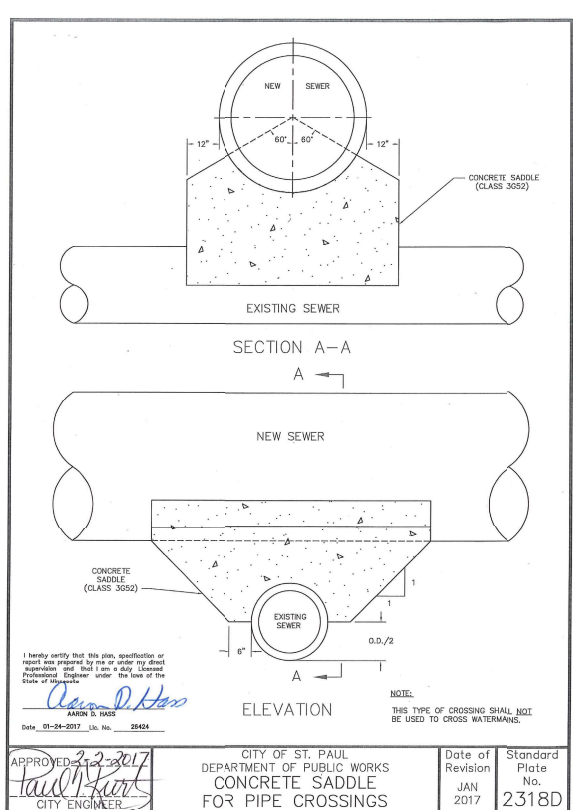
WSB PROJECT NO.
013987-000



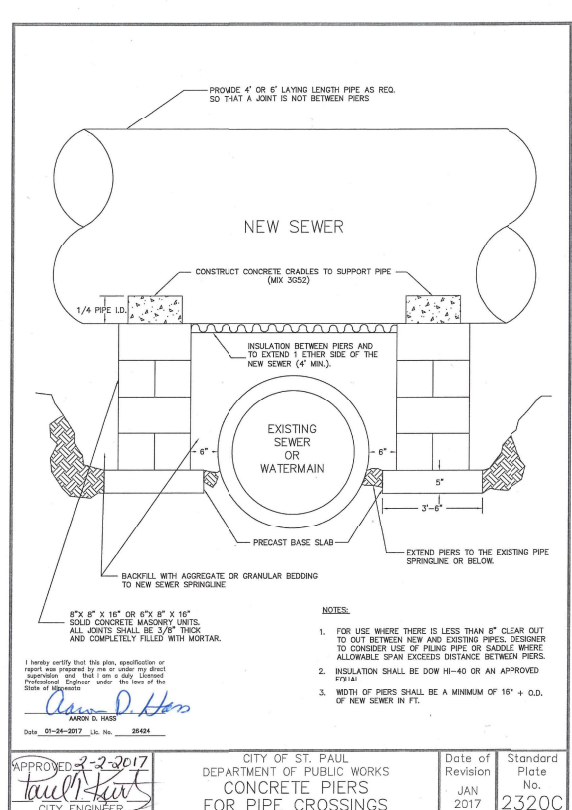
1 ANCHOR CLAMP DETAIL
SCALE: NOT TO SCALE D-15



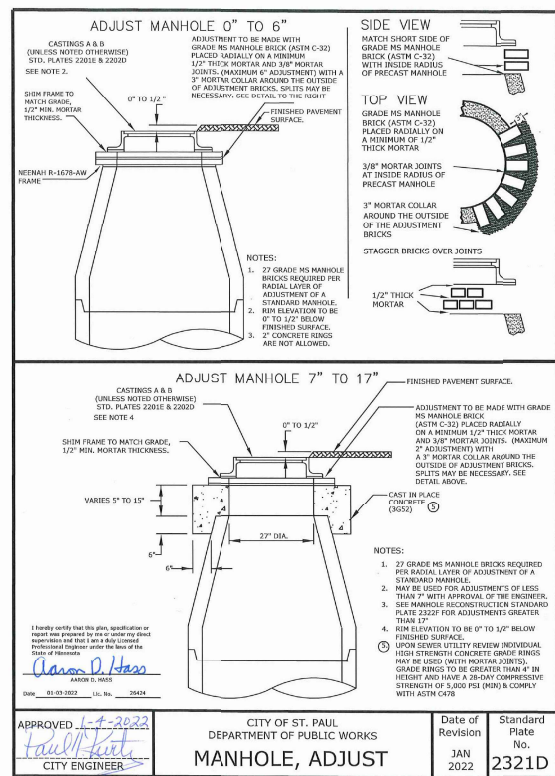
2 CLASS "D" PIPE BEDDING
SCALE: NOT TO SCALE 2317D



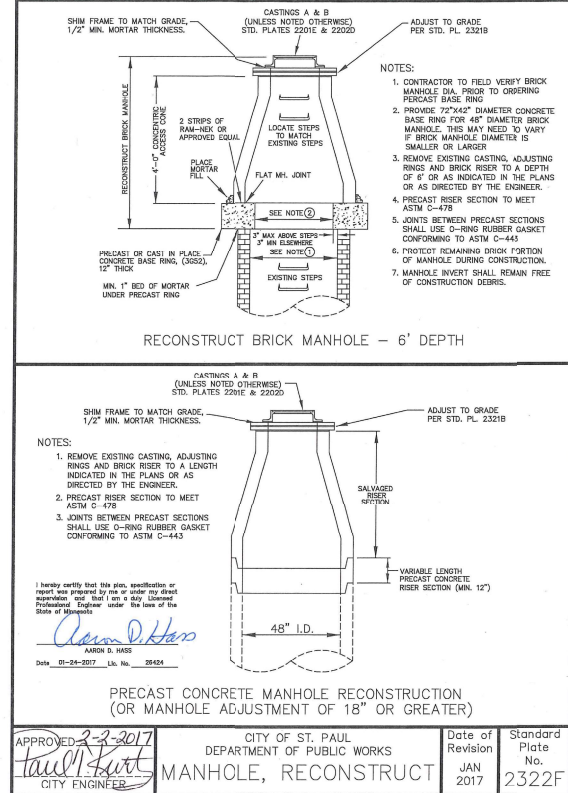
3 CONCRETE SADDLE FOR PIPE CROSSINGS
SCALE: NOT TO SCALE 2318D



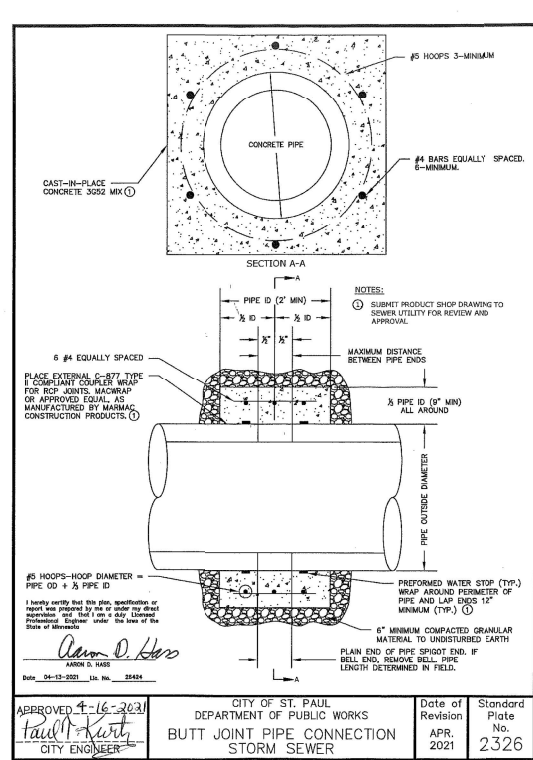
4 CONCRETE PIERS FOR PIPE CROSSINGS
SCALE: NOT TO SCALE 2320C



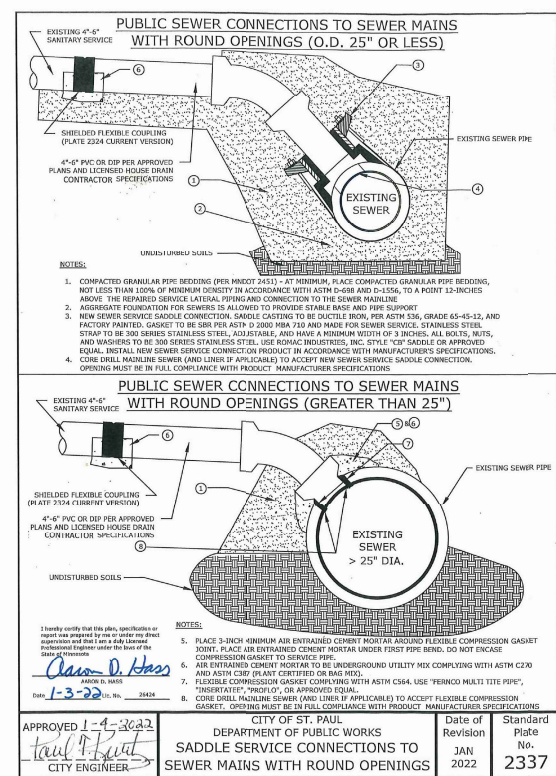
5 MANHOLE, ADJUST
SCALE: NOT TO SCALE 2321F



6 MANHOLE, RECONSTRUCT
SCALE: NOT TO SCALE 2322F



7 BUTT JOINT PIPE CONNECTIONS
SCALE: NOT TO SCALE 2326



8 SADDLE SERVICE CONNECTIONS
SCALE: NOT TO SCALE 2337

wsb

SCALE: AS SHOWN DESIGN BY: PJM
PLAN BY: PJM CHECK BY: JMT

REVISIONS	
NO.	DATE

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PAUL HORNBY, P.E.
DATE: 03/29/2024 LIC. NO.: 23359

STANDARD DETAILS

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SAINT PAUL, MINNESOTA

Saint Paul
Port Authority
400 Wabasha Street North
Suite 240
St Paul, Minnesota 55102
Phone 612-224-5686

WSB PROJECT NO.
013987-000

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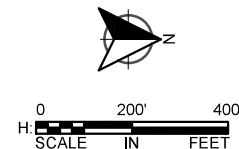
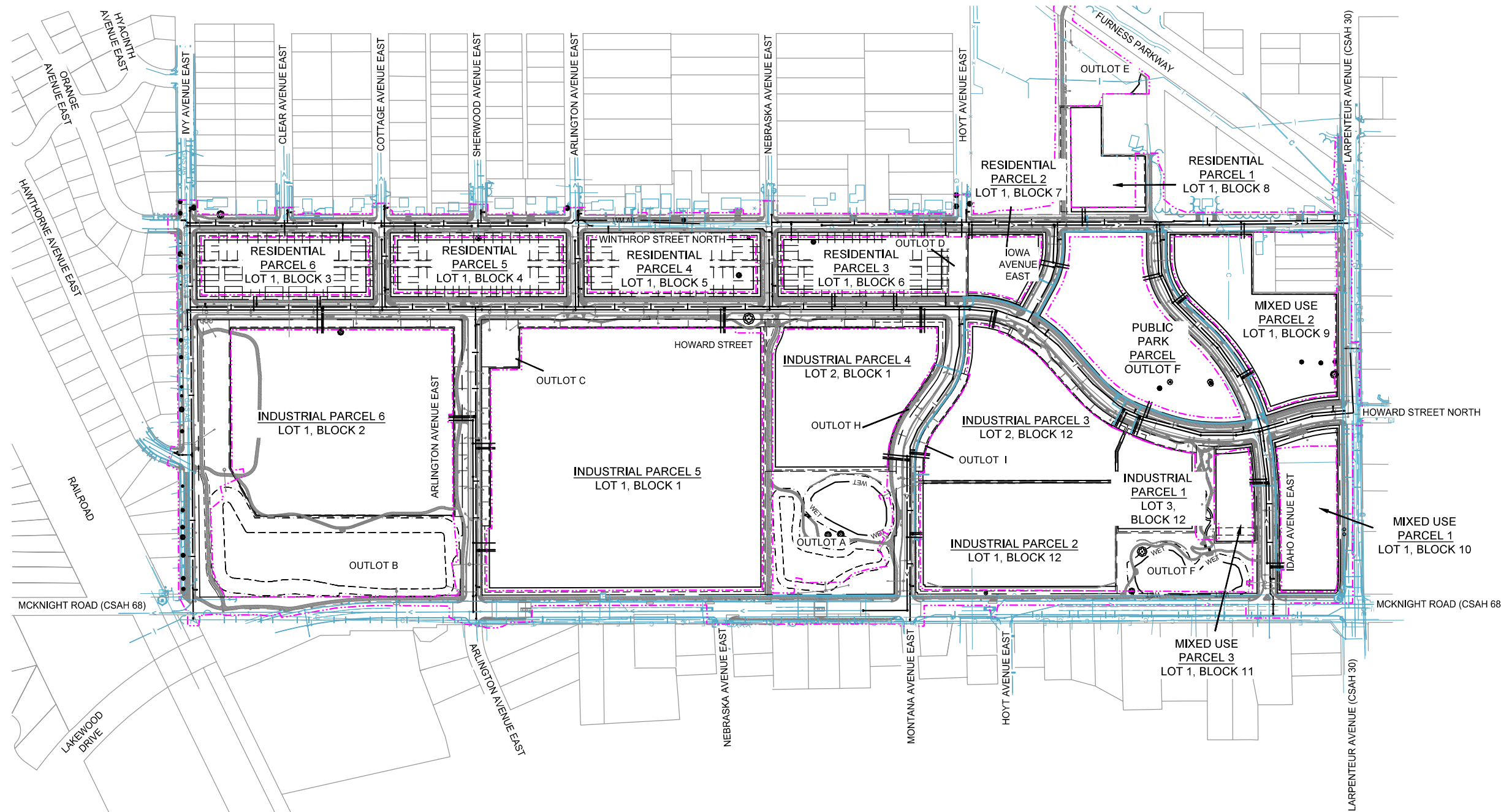
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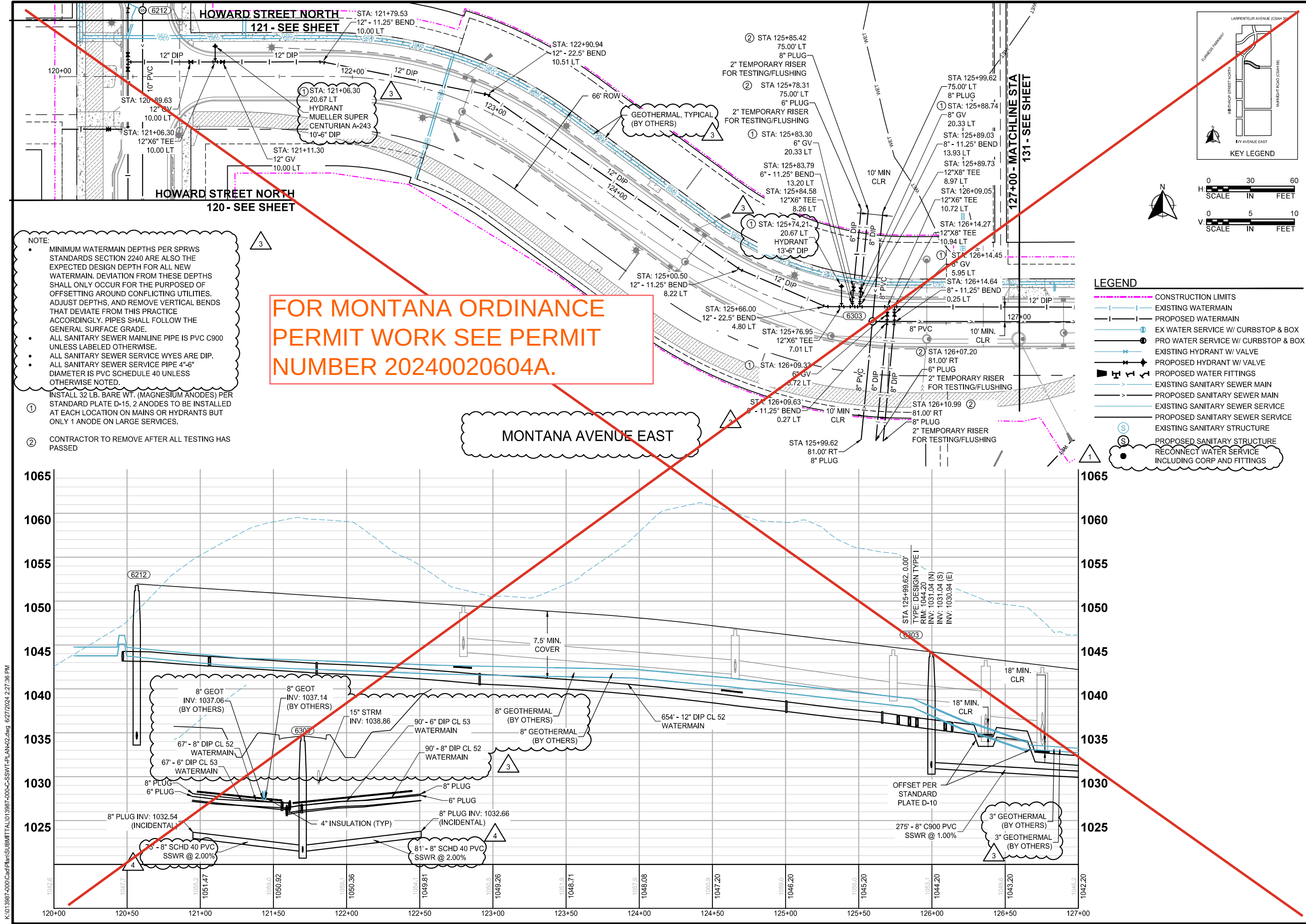
OVERALL
SANITARY SEWER
AND WATERMAIN
CONSTRUCTION

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013987-000





- NOTE:
- MINIMUM WATERMAIN DEPTHS PER SPRWS STANDARDS SECTION 2240 ARE ALSO THE EXPECTED DESIGN DEPTH FOR ALL NEW WATERMAIN. DEVIATION FROM THESE DEPTHS SHALL ONLY OCCUR FOR THE PURPOSED OF OFFSETTING AROUND CONFLICTING UTILITIES. ADJUST DEPTHS, AND REMOVE VERTICAL BENDS THAT DEVIATE FROM THIS PRACTICE ACCORDINGLY. PIPES SHALL FOLLOW THE GENERAL SURFACE GRADE.
 - ALL SANITARY SEWER MAINLINE PIPE IS PVC C900 UNLESS LABELED OTHERWISE.
 - ALL SANITARY SEWER SERVICE WYES ARE DIP.
 - ALL SANITARY SEWER SERVICE PIPE 4"-6" DIAMETER IS PVC SCHEDULE 40 UNLESS OTHERWISE NOTED.
- ① INSTALL 32 LB. BARE WT. (MAGNESIUM ANODES) PER STANDARD PLATE D-15, 2 ANODES TO BE INSTALLED AT EACH LOCATION ON MAINS OR HYDRANTS BUT ONLY 1 ANODE ON LARGE SERVICES.
- ② CONTRACTOR TO REMOVE AFTER ALL TESTING HAS PASSED

FOR MONTANA ORDINANCE
PERMIT WORK SEE PERMIT
NUMBER 20240020604A.

- LEGEND
- CONSTRUCTION LIMITS
 - EXISTING WATERMAIN
 - PROPOSED WATERMAIN
 - EX WATER SERVICE W/ CURBSTOP & BOX
 - EXISTING HYDRANT W/ VALVE
 - PROPOSED HYDRANT W/ VALVE
 - PROPOSED WATER FITTINGS
 - EXISTING SANITARY SEWER MAIN
 - PROPOSED SANITARY SEWER MAIN
 - EXISTING SANITARY SEWER SERVICE
 - PROPOSED SANITARY SEWER SERVICE
 - EXISTING SANITARY STRUCTURE
 - PROPOSED SANITARY STRUCTURE RECONNECT WATER SERVICE INCLUDING CORP AND FITTINGS

SCALE: AS SHOWN
PLAN BY: PJM

DESIGN BY: PJM
CHECK BY: PTH

REVISIONS	
NO.	DESCRIPTION
1	01/30/2024 ADDENDUM NO. 1
3	03/29/2024 PLAN REVISIONS
4	06/19/2024 REVISION 4

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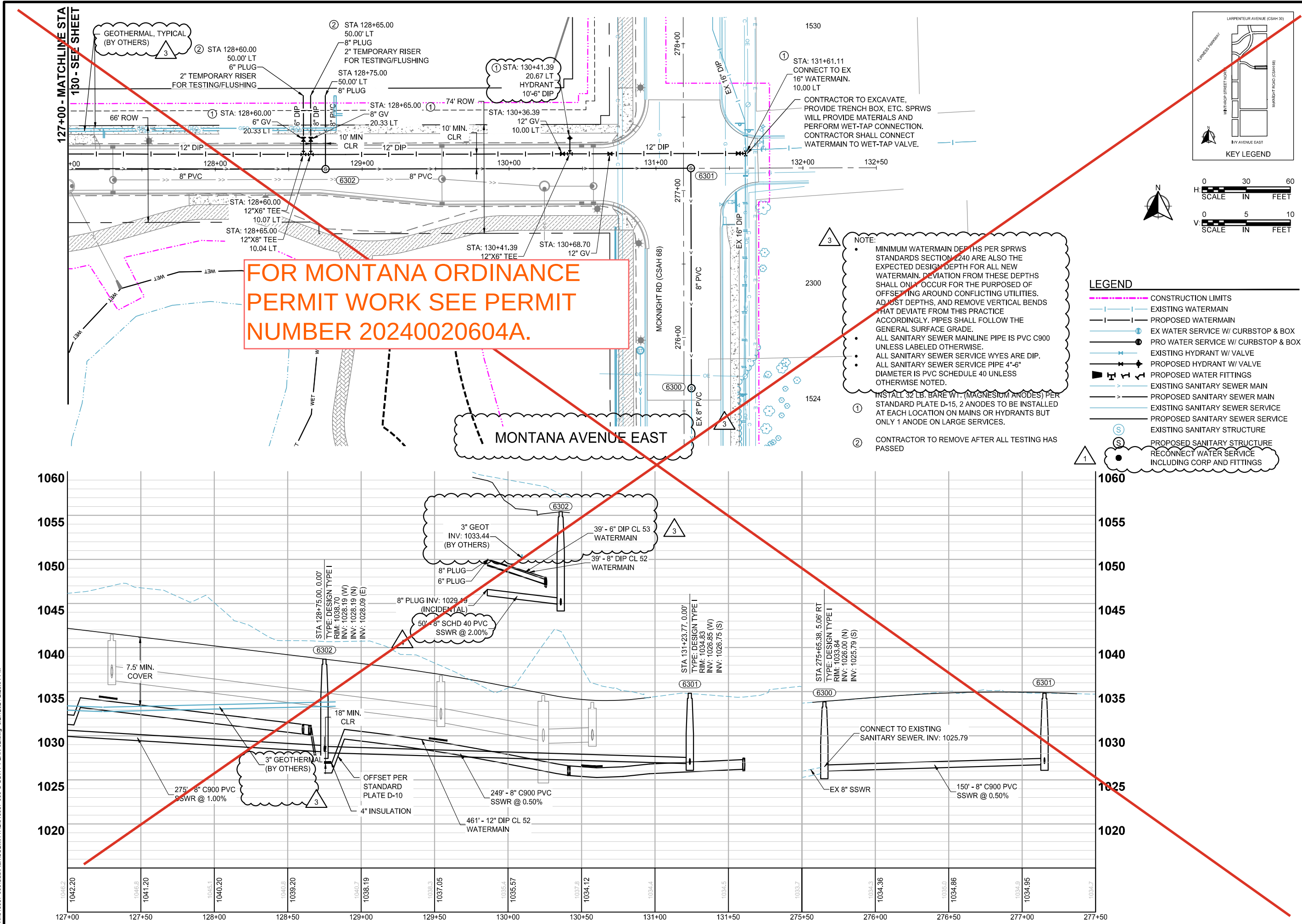
SANITARY SEWER AND WATERMAIN CONSTRUCTION

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Saint Paul Port Authority
400 Wabasha Street North
Suite 240
St Paul, Minnesota 55102
Phone 612-224-5686

WSB PROJECT NO.
013987-000

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wsb

SCALE: AS SHOWN

DESIGN BY: PJM

PLAN BY: DEH

CHECK BY: PTH

REVISIONS

NO.	DATE	DESCRIPTION
1	01/30/2024	ADDENDUM NO. 1
3	03/29/2024	PLAN REVISIONS
4	06/19/2024	REVISION 4

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SANITARY SEWER AND WATERMAIN CONSTRUCTION

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SAINT PAUL, MINNESOTA

Saint Paul Port Authority
400 Wabasha Street North
Suite 240
St Paul, Minnesota 55102
Phone 612-224-5686

WSB PROJECT NO. 013987-000

155 OF 451

SCALE: AS SHOWN
DESIGN BY: ###
PLAN BY: ###
CHECK BY: ###

REVIEWS		NO.	DATE	DESCRIPTION	ADDENDUM NO. 1	PLAN REVISIONS	REVISION 4	REVISION 5	REVISIONS 6
1	01/30/2024								
3	03/29/2024								
4	06/19/2024								
5	06/26/2024								
6	08/08/2024								

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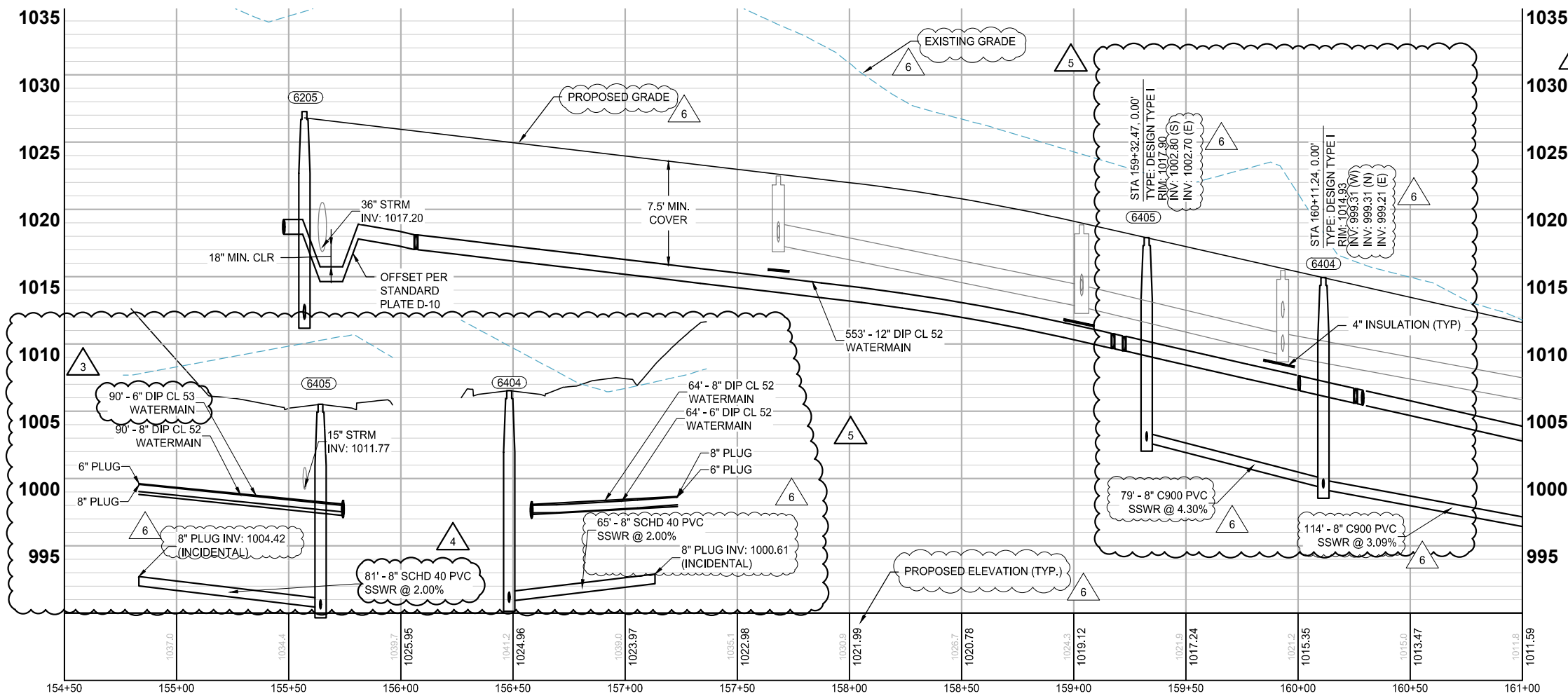
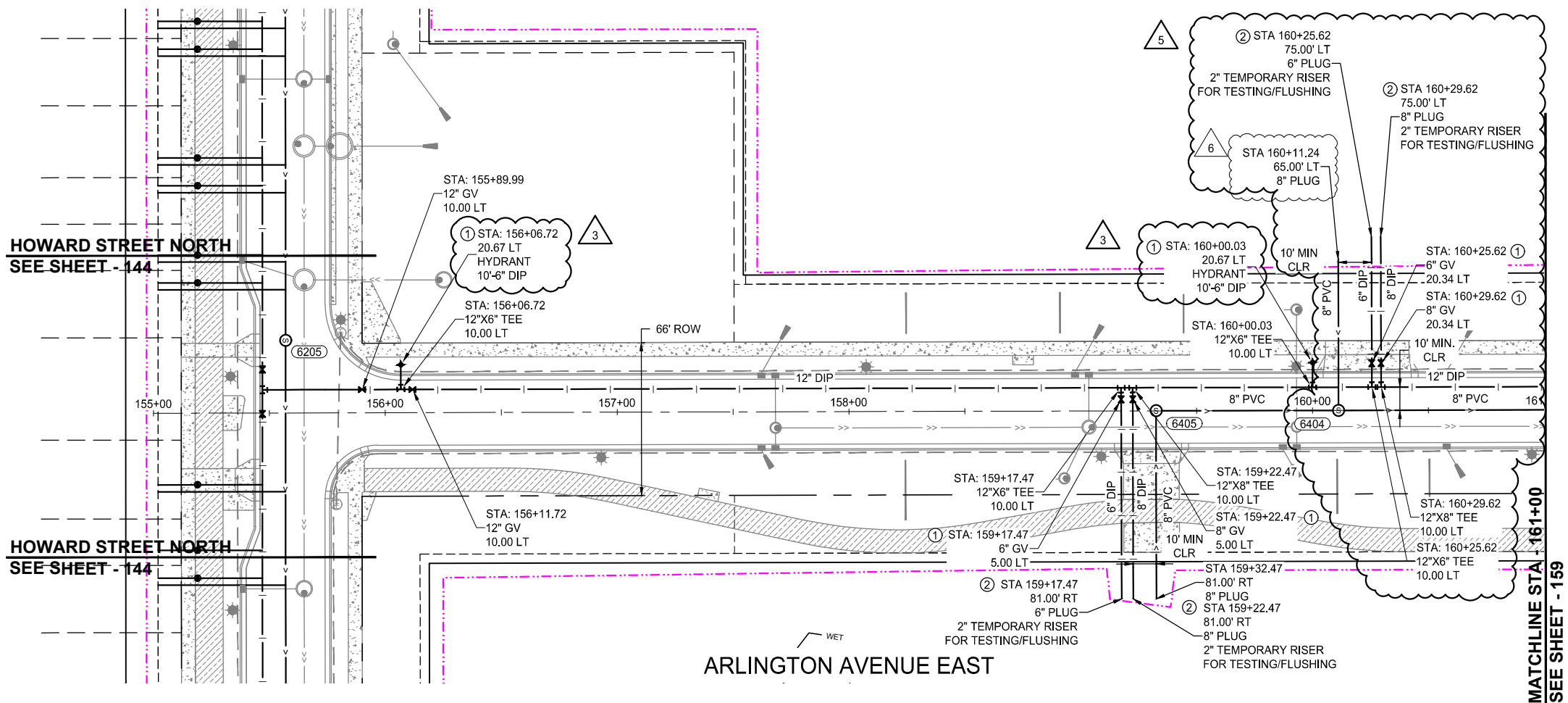
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NOTE:

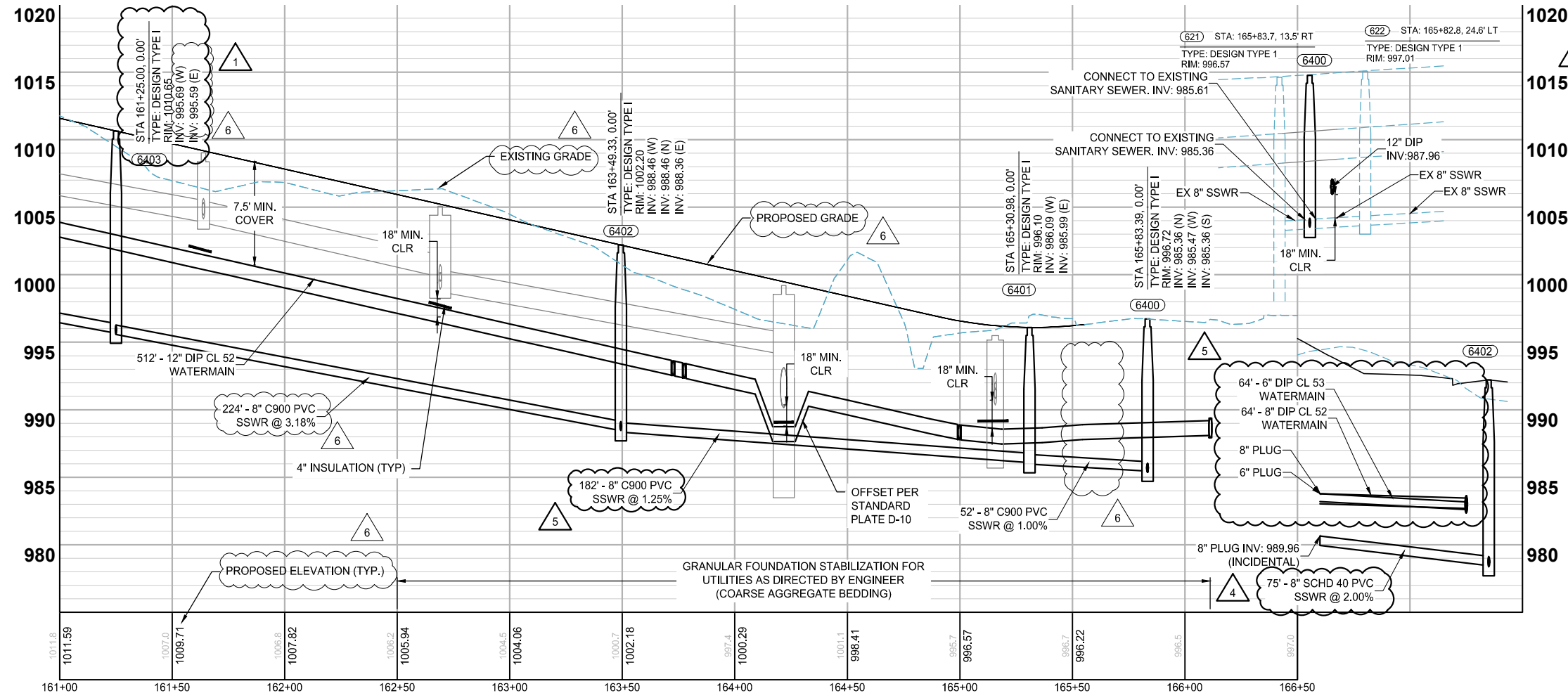
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- ② CONTRACTOR TO REMOVE AFTER ALL TESTING HAS PASSED

LEGEND

- CONSTRUCTION LIMITS
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- PRO WATER SERVICE W/ CURBSTOP & BOX
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- PROPOSED HYDRANT W/ VALVE
- PROPOSED WATER FITTINGS
- EXISTING SANITARY SEWER MAIN
- PROPOSED SANITARY SEWER MAIN
- EXISTING SANITARY SEWER SERVICE
- PROPOSED SANITARY SEWER SERVICE
- EXISTING SANITARY STRUCTURE
- PROPOSED SANITARY STRUCTURE
- RECONNECT WATER SERVICE INCLUDING CORP AND FITTINGS

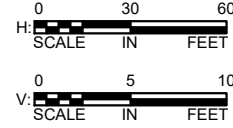
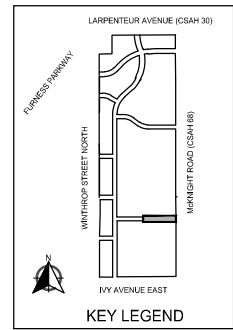
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MATCHLINE STA - 161+00
SEE SHEET - 158

ARLINGTON AVENUE EAST

MCKNIGHT RD (CSAH 68)



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- EXISTING SANITARY STRUCTURE
- PROPOSED SANITARY STRUCTURE
- RECONNECT WATER SERVICE INCLUDING CORP AND FITTINGS

wsb

SCALE: AS SHOWN
DESIGN BY: ###
PLAN BY: ###
CHECK BY: ###

REVIEWS		REVISIONS	
NO.	DATE	DESCRIPTION	
1	01/30/2024	ADDENDUM NO. 1	
3	03/29/2024	PLAN REVISIONS	
4	06/19/2024	REVISION 4	
5	06/26/2024	REVISION 5	
6	08/08/2024	REVISIONS 6	

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.

PAUL HORNBY, P.E.
DATE: 03/29/2024 LIC. NO: 23359

SANITARY SEWER AND WATERMAIN CONSTRUCTION

BID PACKAGE NO. 2
INFRASTRUCTURE PLANS FOR:
SAINT PAUL, MINNESOTA

Saint Paul
Port Authority
400 Wabasha Street North
Suite 240
St Paul, Minnesota 55102
Phone 612-224-5686

WSB PROJECT NO.
013987-000

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THE HEIGHTS SITE REDEVELOPMENT

(AKA HILLCREST GOLF COURSE)

ORDINANCE PERMIT 09

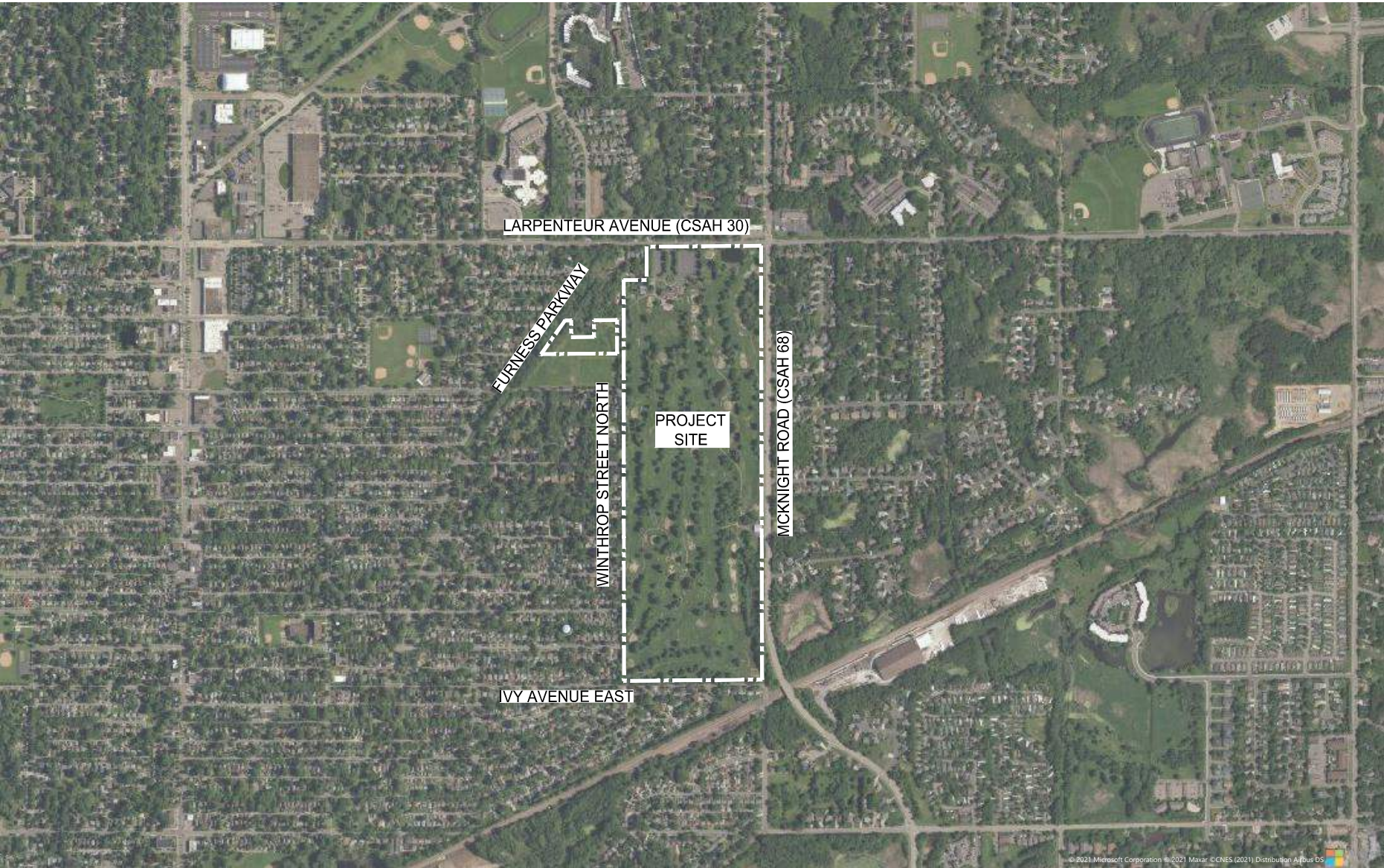
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AS-BUILTS

2200 Larpenteur Avenue East, St. Paul, Minnesota

WSB Project Number013987-000

Issue Date09-23-2024; 100% PLAN REVISION 6 (CITY REVIEW COMMENTS) 6



1 PROJECT LOCATION MAP

SCALE: NOT TO SCALE

THE SUBSURFACE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF PRIVATE UTILITIES HAS BEEN DESIGNATED UTILITY QUALITY LEVEL D. THESE QUALITY LEVELS WERE DETERMINED ACCORDING TO THE GUIDELINES OF C/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE DATA". THE CONTRACTOR IS TO DETERMINE THE TYPE AND LOCATION OF PRIVATE UTILITIES AS MAY BE DEEMED NECESSARY TO AVOID DAMAGE THERETO.

I HEREBY CERTIFIED THAT THIS RECORD DRAWING HAS BEEN PREPARED UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. THIS DRAWING HAS BEEN PREPARED IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS, WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, BOLTON & MENK, INC. CANNOT ASSURE ITS ACCURACY. THOSE RELYING ON THIS DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE.

Ashleigh K Rosa

ASHLEIGH K ROSA
LICENSE #: 59517

6-25-2025

DATE

CONTRACTOR:
DESIGNING EARTH CONTRACTING
1282 187th Ln NE
East Bethel, MN 55011

1

2

3

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2-3	STATEMENT OF ESTIMATED QUANTITIES
4-9	EARTHWORK TABULATIONS
10-14	UTILITY TABULATIONS
15-23	STANDARD DETAILS
24-29	PEDESTRIAN CURB RAMP DETAILS
30-31	GENERAL NOTES
32-36	EXISTING CONDITIONS PLAN
37-45	TYPICAL SECTIONS
46-53	ALIGNMENT PLANS
54-57	BUILDING DEMOLITION PLAN
58-62	CONTAMINATED SOILS REMOVAL PLAN
63-76	SITE PLAN
77-95	REMOVAL PLAN
96-109	GRADING PLAN
110-111	SUBSURFACE STORMWATER DETAIL
112	STORMWATER INFILTRATION BASIN DETAIL
113-114	IRON ENHANCED STORMWATER DETAIL
115-116	STORMWATER INFILTRATION BASIN DETAIL
117-120	SPECIAL DRAINAGE STRUCTURE DETAILS
121-130	DISTRICT STORMWATER SWALE DETAILS
131-134	RETAINING WALL PLAN & DETAILS
135-164	SANITARY SEWER AND WATER MAIN CONSTRUCTION
165-203	STORM SEWER CONSTRUCTION
204-235	STREET CONSTRUCTION
236-248	TRAIL CONSTRUCTION PLAN
249-260	INTERSECTION DETAILS
261-290	PEDESTRIAN RAMP PLAN
291-312	STREET LIGHTING PLAN
313-323	TRAFFIC CONTROL PLANS
324-347	SIGNING AND STRIPING PLANS
348	TEMPORARY SEDIMENT CONTROL PLAN & DETAILS
349-369	EROSION CONTROL PLAN & DETAILS
370-373	STORM WATER POLLUTION PREVENTION PLAN
374-435	CROSS SECTIONS
436-448	LANDSCAPE AMENITY PLAN (L300-L305, L310-L316)
449	TREE PROTECTION DETAILS (L501)
450-451	LANDSCAPE AMENITY DETAILS (L601 - L602)

THIS PLAN SET CONTAINS 451 SHEETS 6

DESIGN VEHICLE

LOCAL STREET	DESIGN VEHICLE	ACCOMODATION VEHICLE
WINTHROP ST. N.	P	S-BUS-40
IVY AVE. E.	P	S-BUS-40
CLEAR AVE. E.	P	S-BUS-40
COTTAGE AVE. E.	P	S-BUS-40
SHERWOOD AVE. E.	P	S-BUS-40
ARLINGTON AVE. E.	P	S-BUS-40
NEBRASKA AVE. E.	P	S-BUS-40
HOYT AVE. E.	P	S-BUS-40
IOWA AVE. E.	P	S-BUS-40

MIXED-USE

LIGHT INDUSTRIAL STREET	DESIGN VEHICLE	ACCOMMOATION VEHICLE
HOWARD ST. N.	SU-30	WB-40
IDAHO AVE. E.	SU-30	WB-40
MONTANA AVE. E.	WB-40	WB-62
ARLINGTON AVE. E.	WB-40	WB-62

DESIGN DESIGNATION (ARLINGTON, HOWARD, IDAHO, MONTANA)

R VALUE	=	30
PRESENT ADT (2025)	=	0
PROJECTED ADT (2045)	=	3,450
ESALS	=	460,000
DESIGN SPEED	=	25 MPH
BASED ON:	=	STOPPING SIGHT DISTANCE
HEIGHT OF EYE	=	3.5
HEIGHT OF OBJECT	=	2.0

DESIGN SPEED NOT ACHIEVED AT:

FUNCTIONAL CLASSIFICATION:	LOCAL
NO. OF TRAFFIC LANES:	2
NO. OF PARKING LANES:	1
SHOULDER WIDTH:	2
STRUCTURAL DESIGN STRENGTH:	10 TON

DESIGN DESIGNATION (LOCAL / RESIDENTIAL STREETS)

R VALUE	=	30
PRESENT ADT (2025)	=	0
PROJECTED ADT (2045)	=	1,500
ESALS	=	150,000
DESIGN SPEED	=	25 MPH
BASED ON:	=	STOPPING SIGHT DISTANCE
HEIGHT OF EYE	=	3.5
HEIGHT OF OBJECT	=	2.0

DESIGN SPEED NOT ACHIEVED AT:

FUNCTIONAL CLASSIFICATION:	LOCAL
NO. OF TRAFFIC LANES:	2
NO. OF PARKING LANES:	1
SHOULDER WIDTH:	2
STRUCTURAL DESIGN STRENGTH:	10 TON

DESIGN DESIGNATION TRAIL

DESIGN SPEED 20 MPH	
BASED ON STOPPING SIGHT DISTANCE HEIGHT OF EYE 4.5 HEIGHT OF OBJECT 0.0	

wsb

SCALE: DESIGN BY:

AS SHOWN

PLAN BY: CHECK BY:

PJM PTH JMT

REVISIONS

NO.	DATE	DESCRIPTION	ADDENDUM NO. 1	ADDENDUM NO. 2	PLAN REVISIONS	100% PLAN COMMENTS
1	01/30/2024					
2	02/09/2024					
3	03/29/2024					
6	09/23/2024					

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Paul Hornby, P.E.
PAUL HORNBY, P.E.

DATE: 03/29/2024 LIC. NO: 23359

TITLE SHEET

INFRASTRUCTURE PLANS FOR:
THE HEIGHTS
SAINT PAUL, MINNESOTA

Saint Paul
Port Authority
400 Wabasha Street North
Suite 240
St Paul, Minnesota 55102
Phone 612-224-5686

WSB PROJECT NO.
013987-000

REVISIONS	
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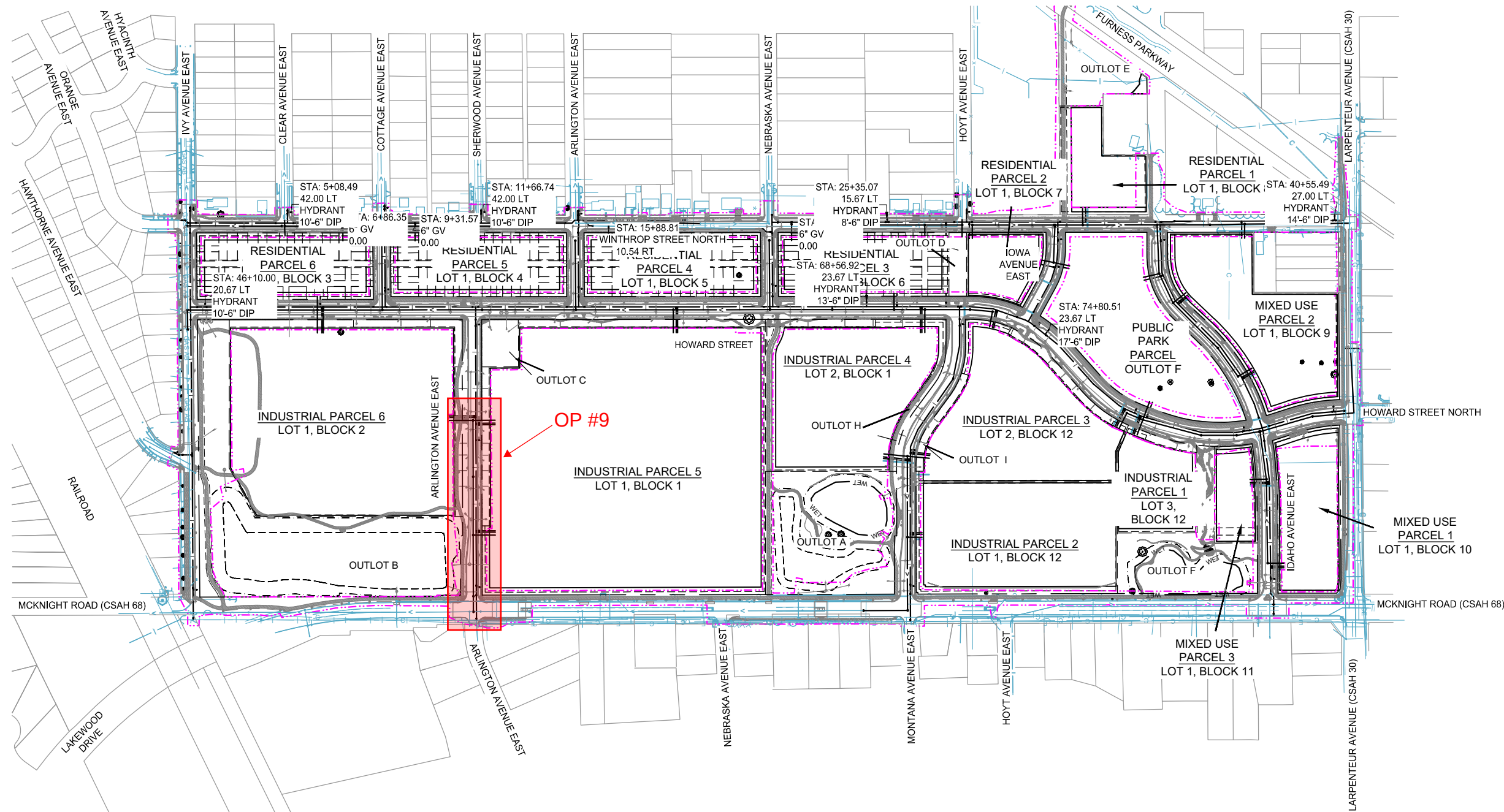
PAUL HORNBY, P.E.
DATE: 03/29/2024 LIC. NO.: 23359

OVERALL
SANITARY SEWER
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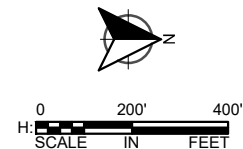
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ASHLEIGH K ROSA
LICENSE #: 59517

6-25-2025
DATE



REVISIONS		
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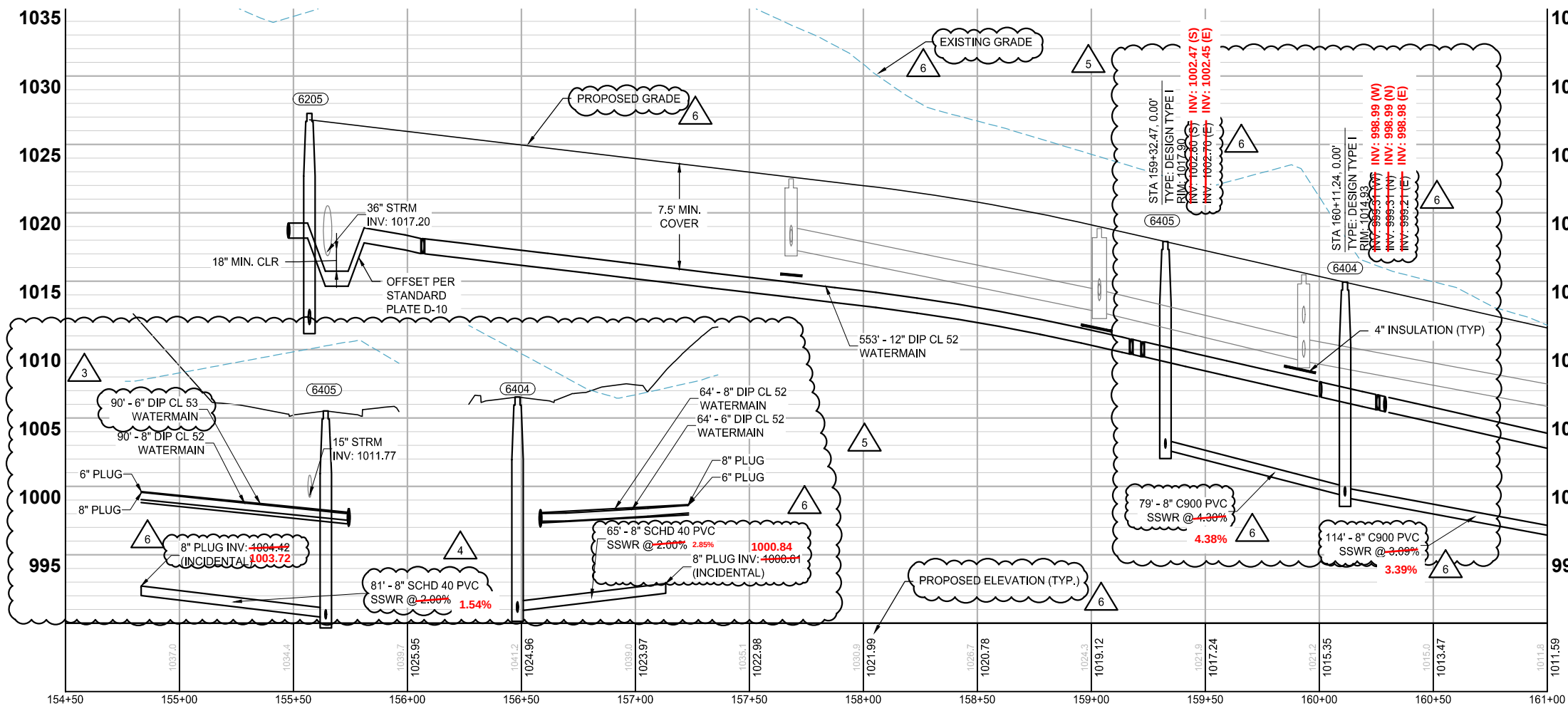
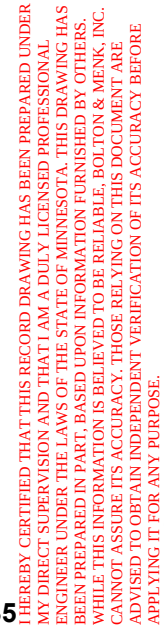
DATE: 03/29/2024 LIC. NO: 23359

SANITARY
SEWER AND
WATERMAIN
CONSTRUCTION

INFRASTRUCTURE PLANS FOR:
THE HEIGHTS
SAINT PAUL, MINNESOTA

**Saint Paul
Port Authority**
400 Wabasha Street North
Suite 240
St Paul, Minnesota 55102
Phone 612-224-5686

WSB PROJECT NO.
013987-000



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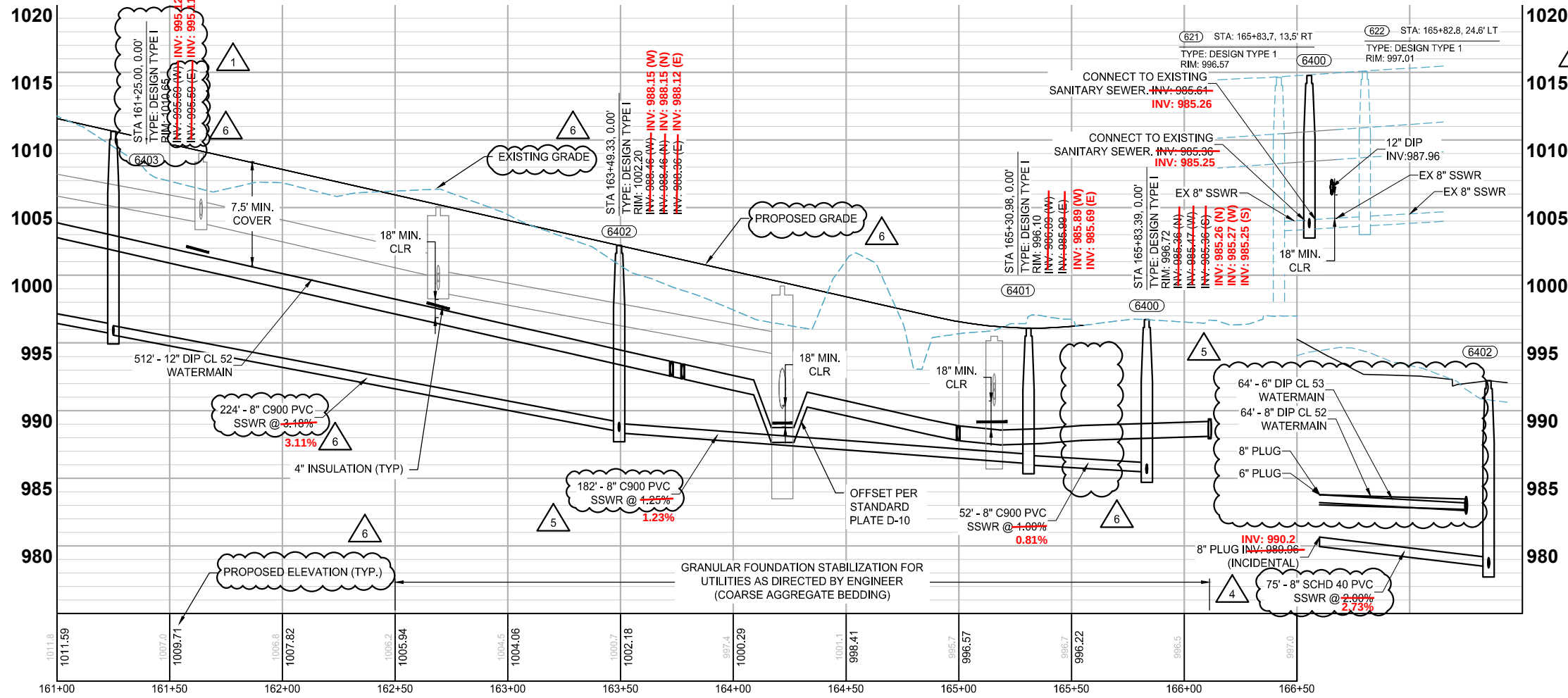
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MATCHLINE STA - 161+00
SEE SHEET - 158

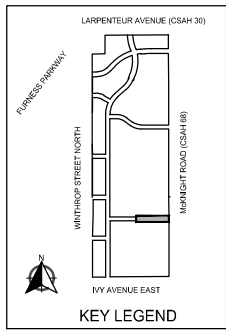
ARLINGTON AVENUE EAST

*Note: Rim Elevations to be verified in Roadway As-Builts

CONTRACTOR TO EXCAVATE, PROVIDE TRENCH BOX, ETC. SPRWS WILL PROVIDE MATERIALS AND PERFORM WET-TAP CONNECTION. CONTRACTOR SHALL CONNECT WATERMAIN TO WET-TAP VALVE.

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ASHLEIGH K. ROSA
DATE: 6-25-2025
LICENSE # 59517



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wsb

SCALE: AS SHOWN
DESIGN BY: PJM
PLAN BY: DEH
CHECK BY: PTH

REVIEWS		REVISIONS	
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