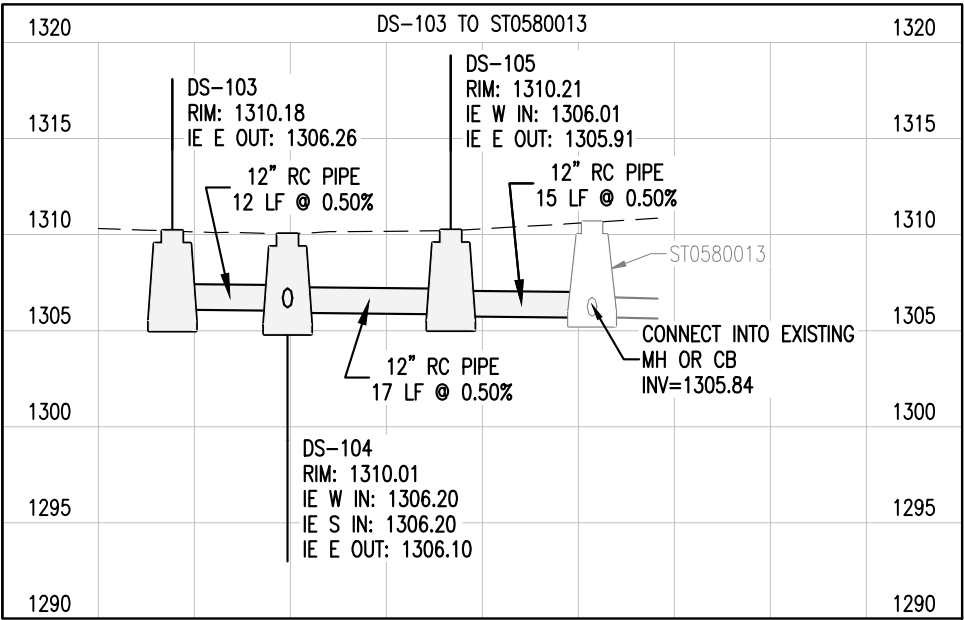
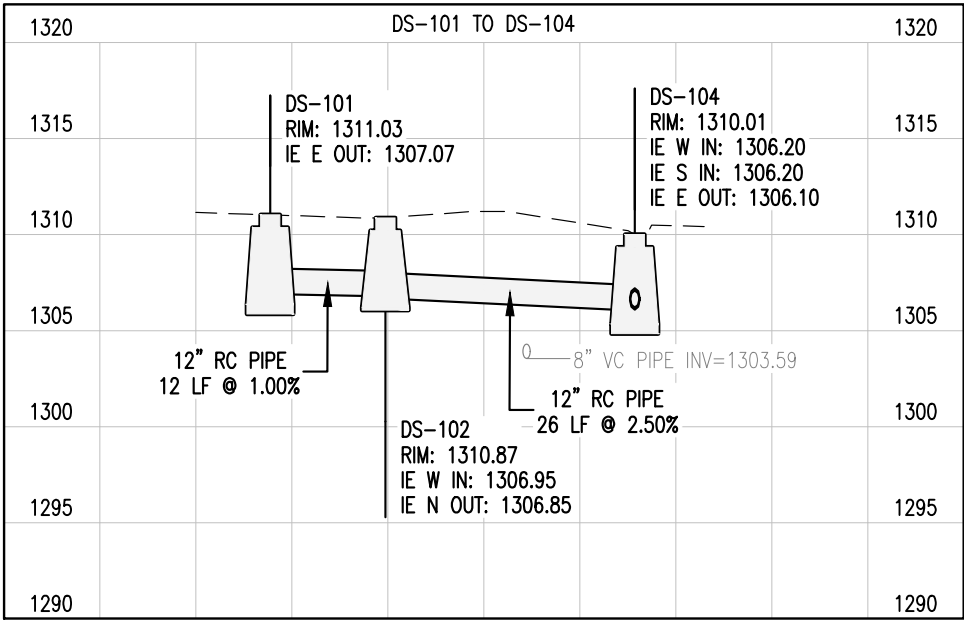
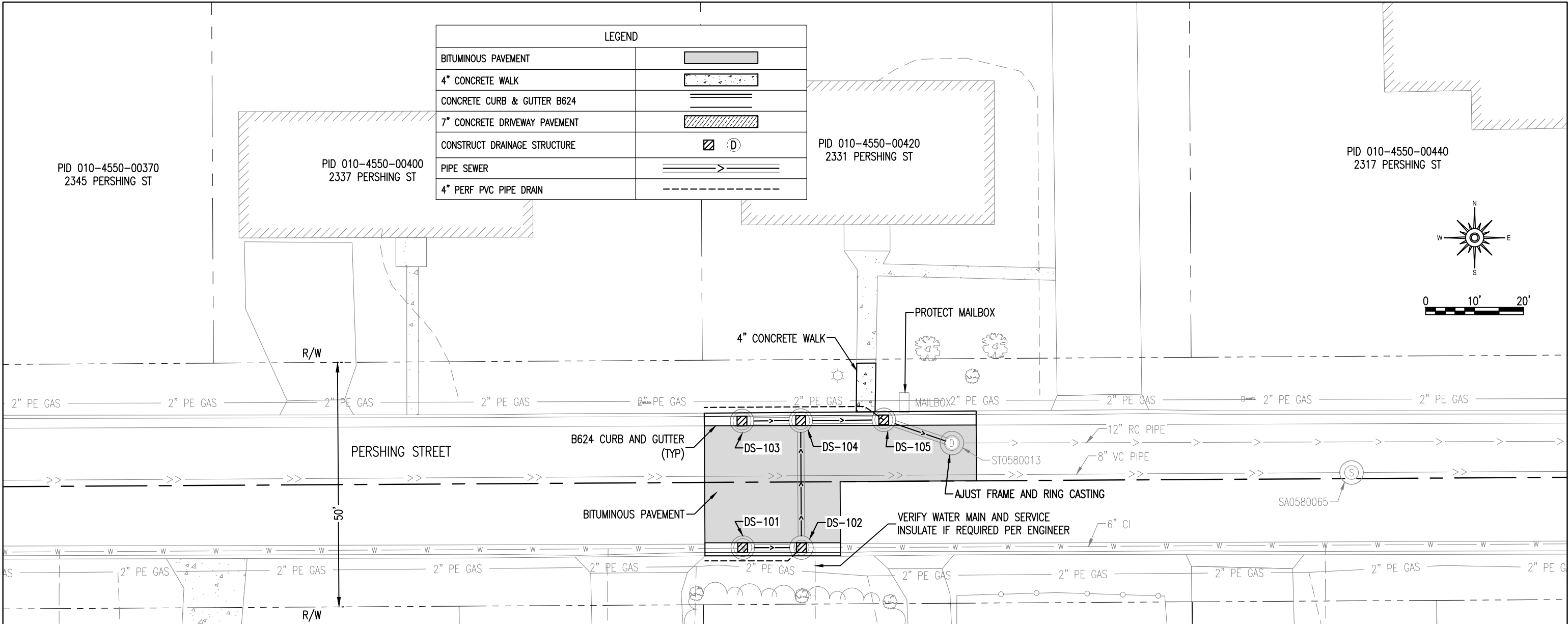




I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

SIGNATURE: *Nathan J. Bruno*

NATHAN J. BRUNO P.E.
TYPE NAME

DATE: 04/28/2026

LIC. NO: 46584



CITY OF DULUTH
ENGINEERING DIVISION
411 W. 1ST ST. STE. 211
DULUTH, MN 55802

STORM SYSTEM IMPROVEMENTS

CITY PROJECT NO.: 2222

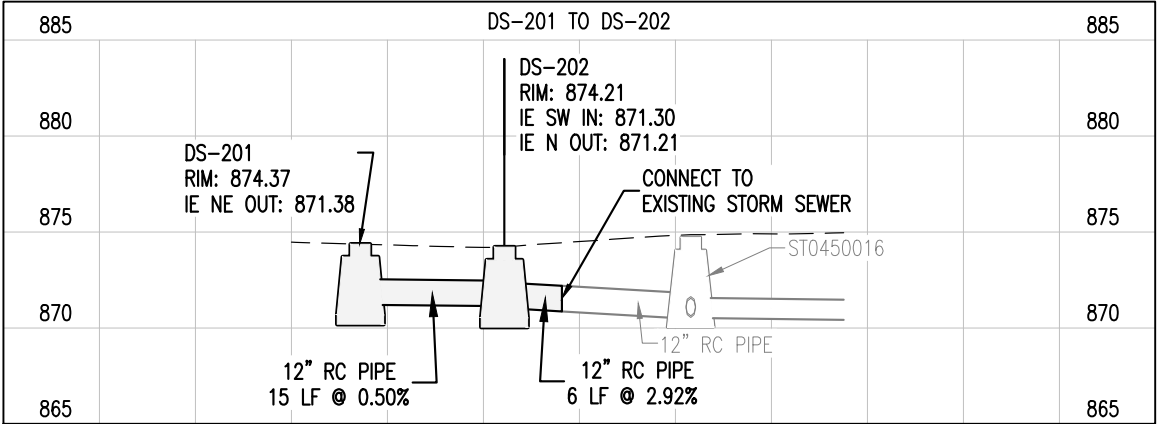
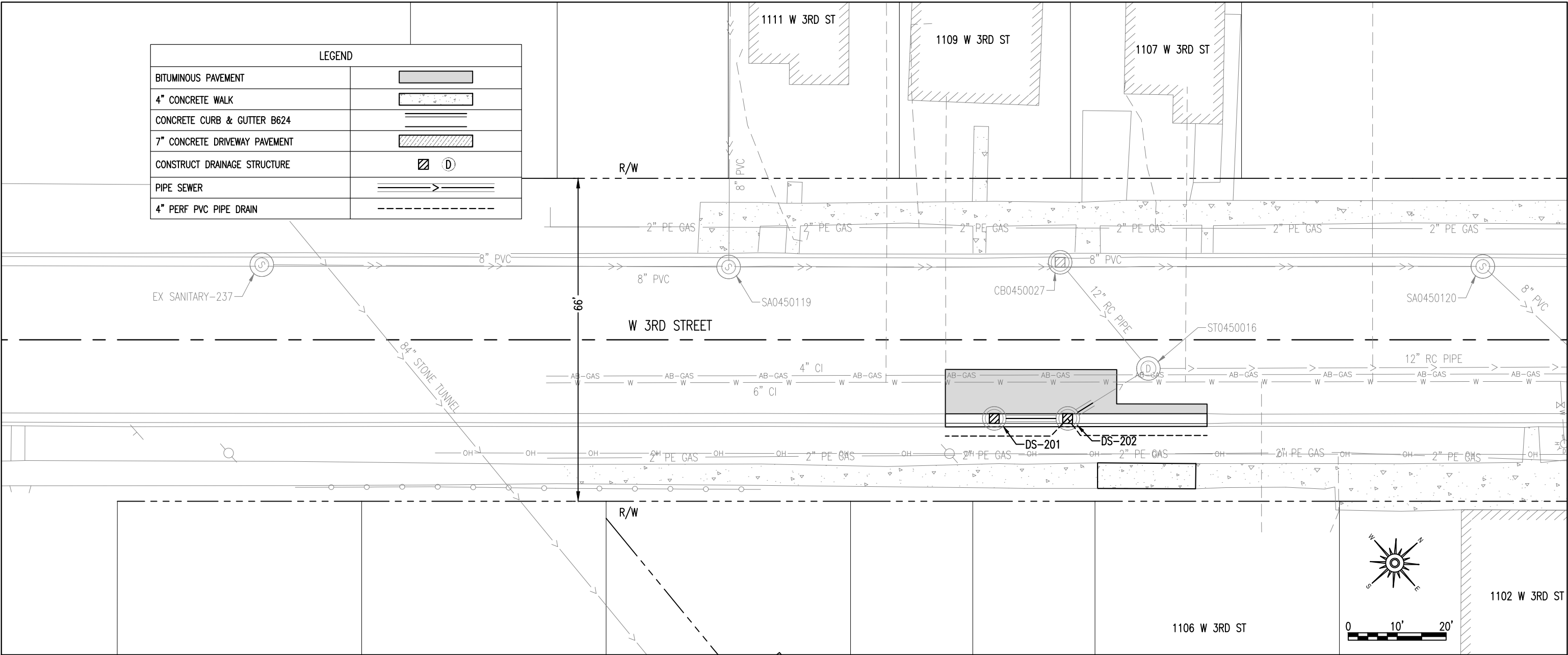
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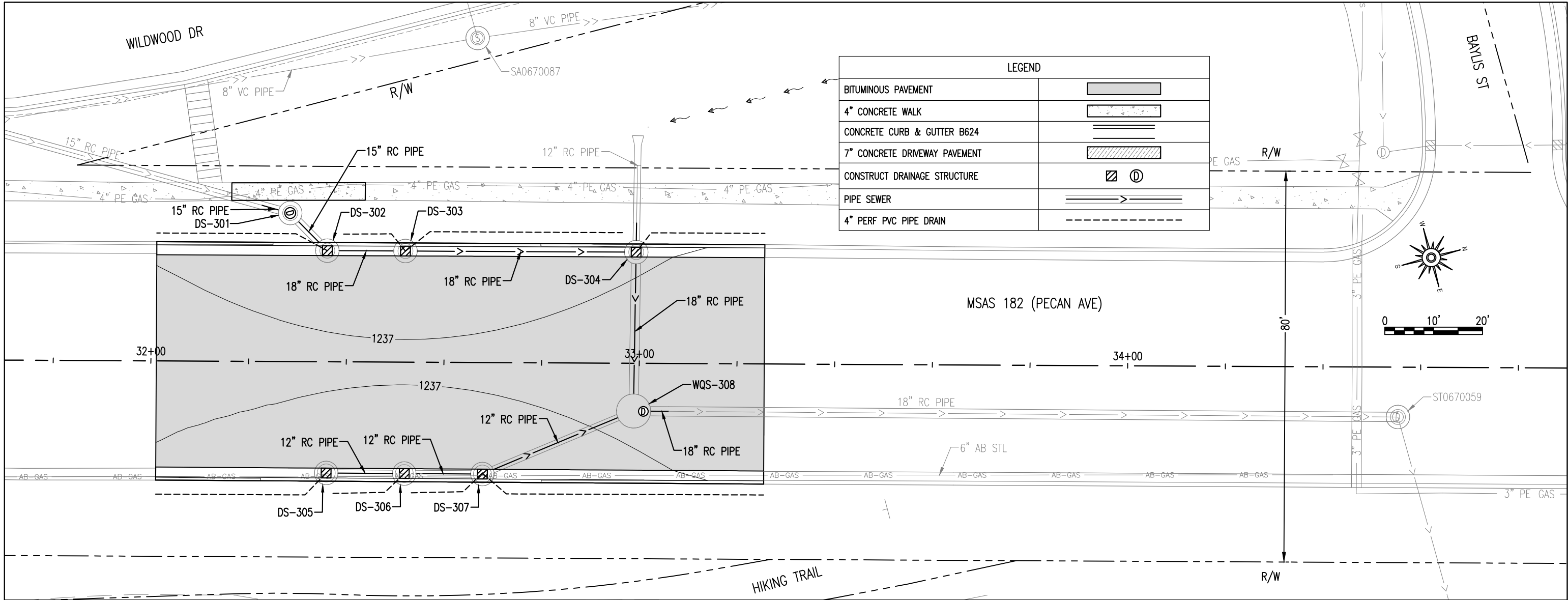
SITE 1 - 2331 PERSHING ST

DRAWN BY: JDO

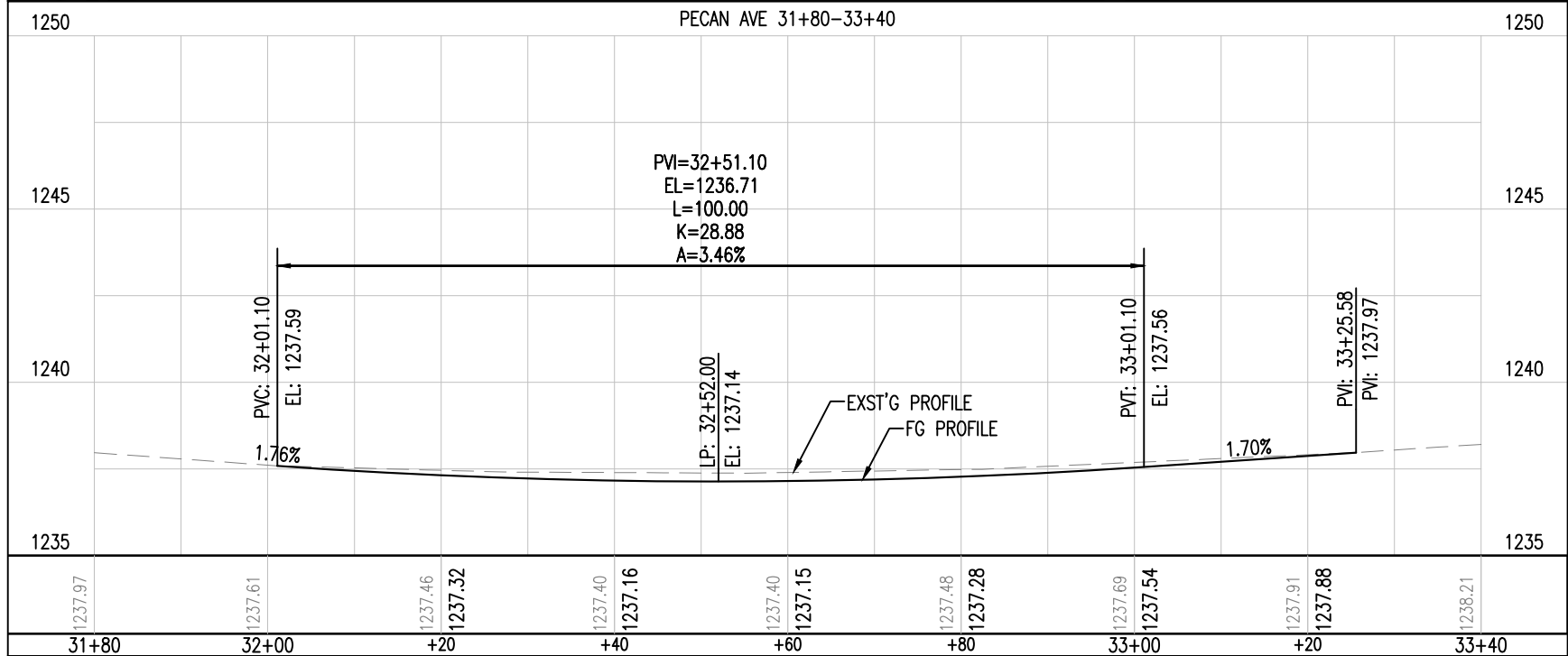
CONSTRUCTION PLAN

SHEET NO. 24 OF 51





LEGEND	
BITUMINOUS PAVEMENT	
4" CONCRETE WALK	
CONCRETE CURB & GUTTER B624	
7" CONCRETE DRIVEWAY PAVEMENT	
CONSTRUCT DRAINAGE STRUCTURE	
PIPE SEWER	
4" PERF PVC PIPE DRAIN	



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STORM SYSTEM IMPROVEMENTS

CITY PROJECT NO.: 2222

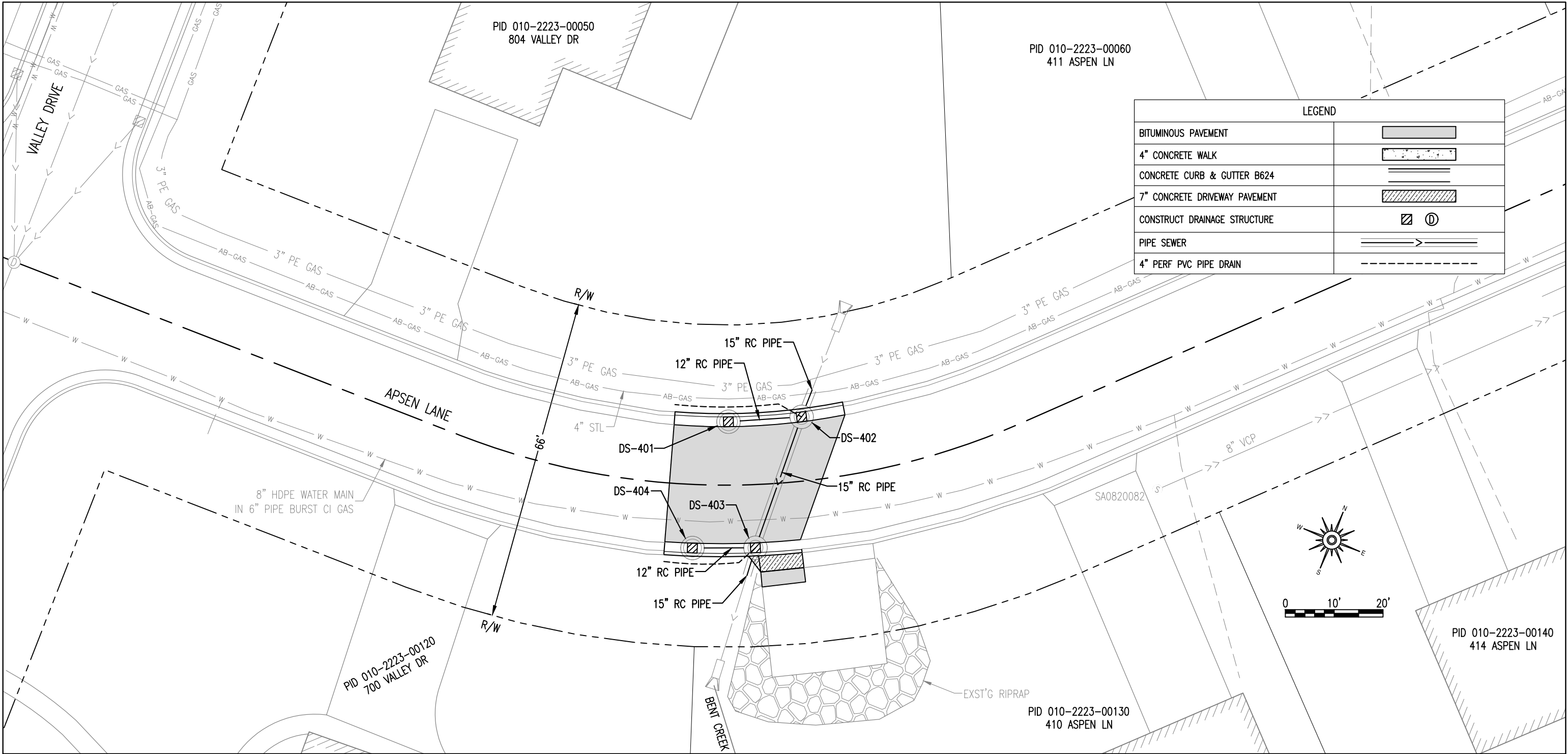
STATE AID PROJECT NO.: NA

SITE 3 - PECAN AVE

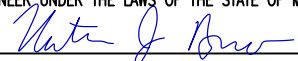
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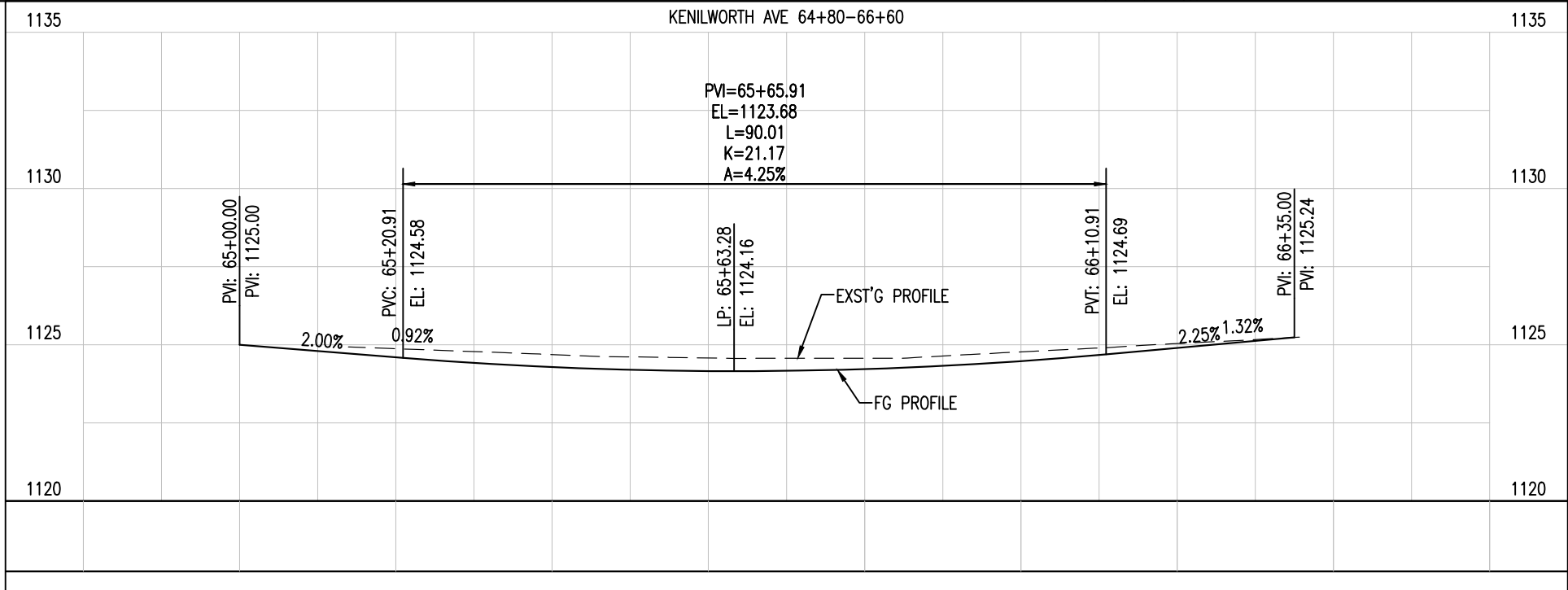
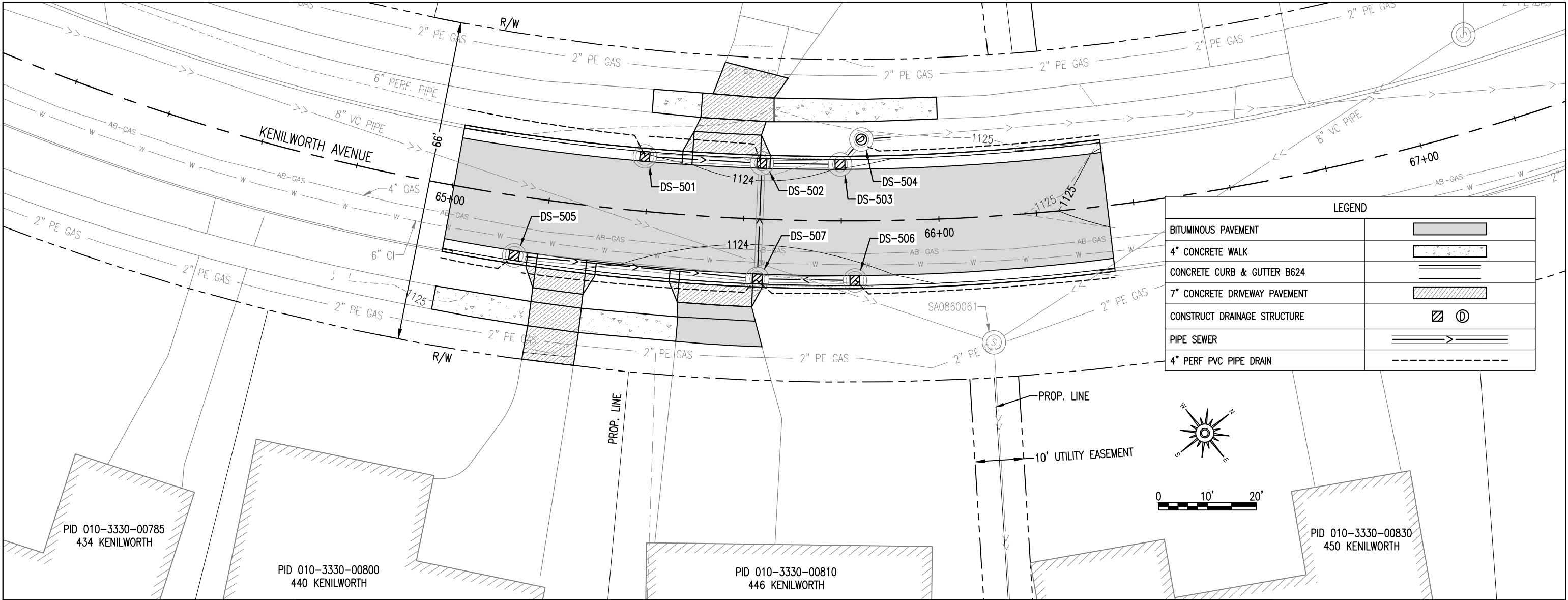
CONSTRUCTION PLAN

SHEET NO. 30 OF 51



LEGEND	
BITUMINOUS PAVEMENT	
4" CONCRETE WALK	
CONCRETE CURB & GUTTER B624	
7" CONCRETE DRIVEWAY PAVEMENT	
CONSTRUCT DRAINAGE STRUCTURE	
PIPE SEWER	
4" PERF PVC PIPE DRAIN	

965 DS-402 TO DS-403										965 DS-401 TO DS-402										965 DS-404 TO DS-403										SITE 4 - 410 ASPEN LN																													
960										960										960																																							
CONNECT TO EXISTING STORM SEWER										12" RC PIPE 15 LF @ 1.00%										12" RC PIPE 13 LF @ 4.00%																																							
DS-402 RIM: 955.53 IE SW IN: 952.01 IE N IN: 952.11 IE S OUT: 951.90										DS-402 RIM: 955.53 IE SW IN: 952.01 IE N IN: 952.11 IE S OUT: 951.90										DS-403 RIM: 955.01 IE N IN: 950.76 IE W IN: 951.17 IE S OUT: 949.75																																							
DS-403 RIM: 955.01 IE N IN: 950.76 IE W IN: 951.17 IE S OUT: 949.75										DS-401 RIM: 955.41 IE NE OUT: 952.16										DS-404 RIM: 954.94 IE E OUT: 951.69																																							
955										955										955																																							
950										950										950																																							
945										945										945																																							
I HEREBY CERTIFY THAT THIS PLAN 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.																														CITY OF DULUTH ENGINEERING DIVISION 411 W. 1ST ST. STE. 211 DULUTH, MN 55802										STORM SYSTEM IMPROVEMENTS										DRAWN BY: JDO									
SIGNATURE: 										DATE: 04/28/2026										CITY PROJECT NO.: 2222										STATE AID PROJECT NO.: NA										CONSTRUCTION PLAN																			
NATHAN J. BRUNO P.E.										LIC. NO: 46584																														SHEET NO. 34 OF 51																			
TYPE NAME																																																											



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SIGNATURE: *Nathan J. Bruno*

NATHAN J. BRUNO P.E.
TYPE NAME

DATE: 04/28/2026

LIC. NO: 46584



CITY OF DULUTH
ENGINEERING DIVISION
411 W. 1ST ST. STE. 211
DULUTH, MN 55802

STORM SYSTEM IMPROVEMENTS

CITY PROJECT NO.: 2222

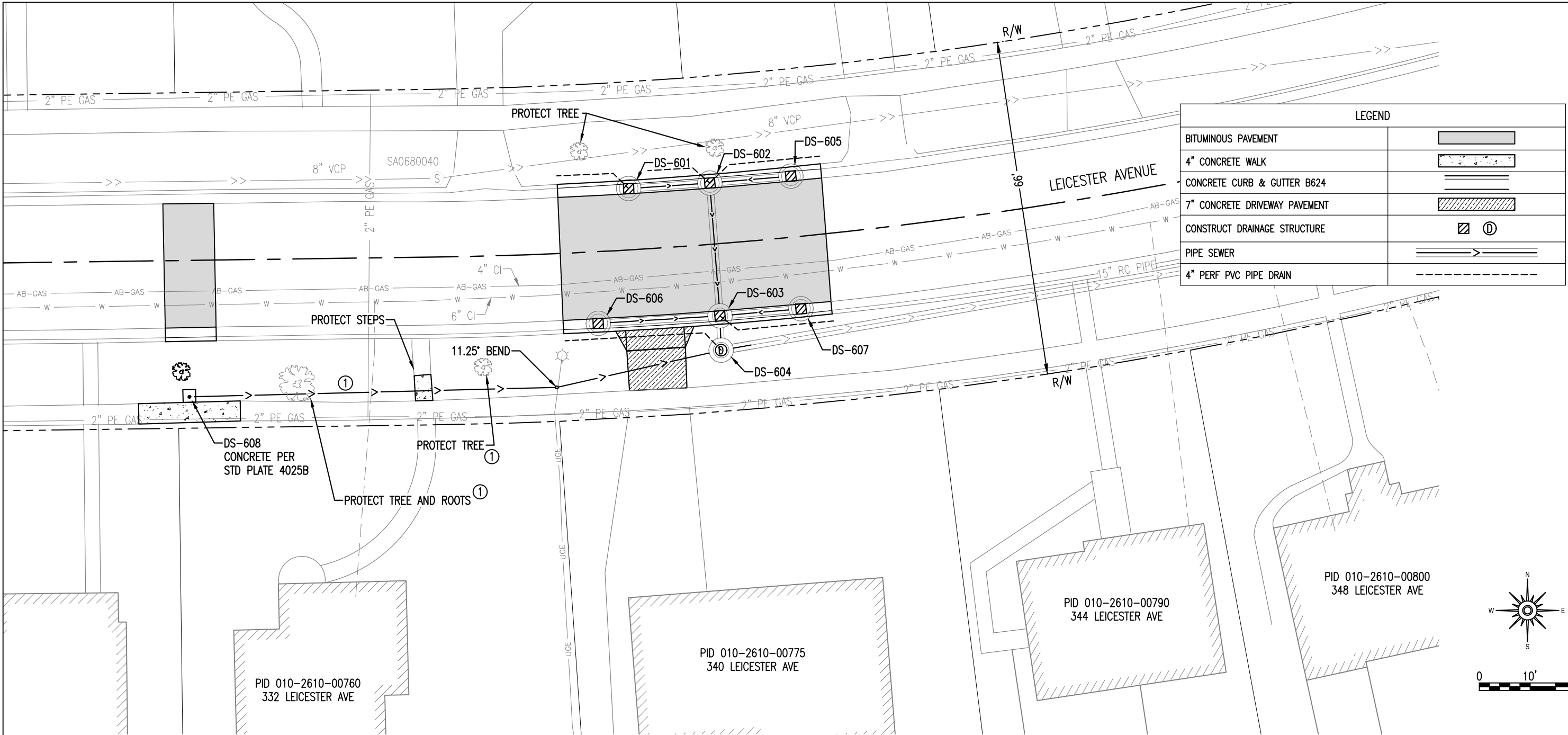
STATE AID PROJECT NO.: NA

SITE 5 - 446 KENILWORTH AVE

DRAWN BY: JDO

CONSTRUCTION PLAN

SHEET NO. 37 OF 51



KEY NOTES

- ① TREES AND ROOTS TO BE PROTECTED AS MUCH AS FEASIBLE. INSTALL 6" PVC PIPE SEWER AS CLOSE TO SIDEWALK AS POSSIBLE. CLEAN ROOT CUTTING MAY BE COMPLETED IF NECESSARY, SEE STD PLAN 5-297.302.

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SIGNATURE: *Nathan J. Bruno*

NATHAN J. BRUNO P.E.
TYPE NAME

DATE: 04/28/2026

LIC. NO: 46584



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DULUTH, MN 55802

STORM SYSTEM IMPROVEMENTS

CITY PROJECT NO.: 2222

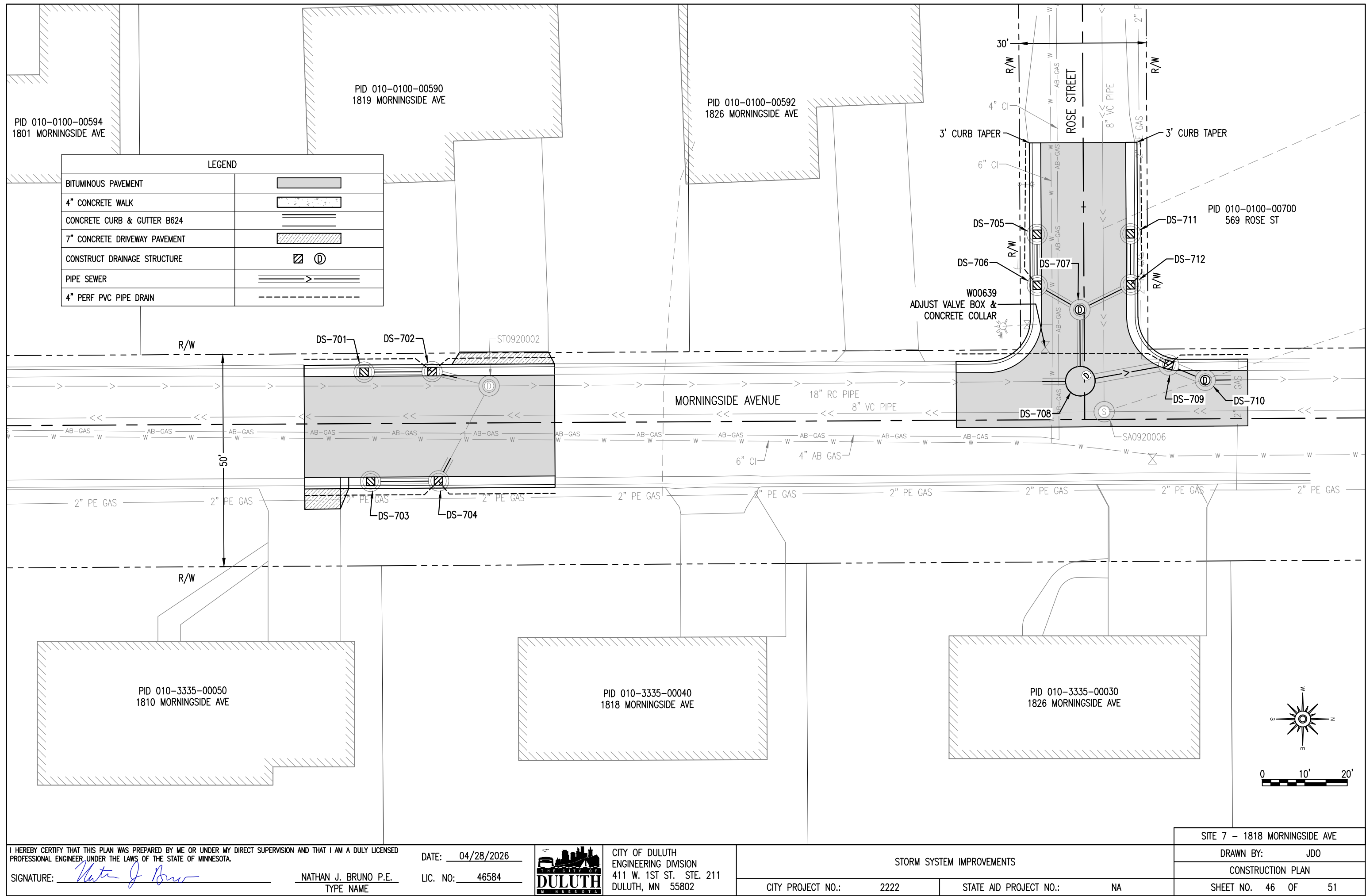
STATE AID PROJECT NO.: NA

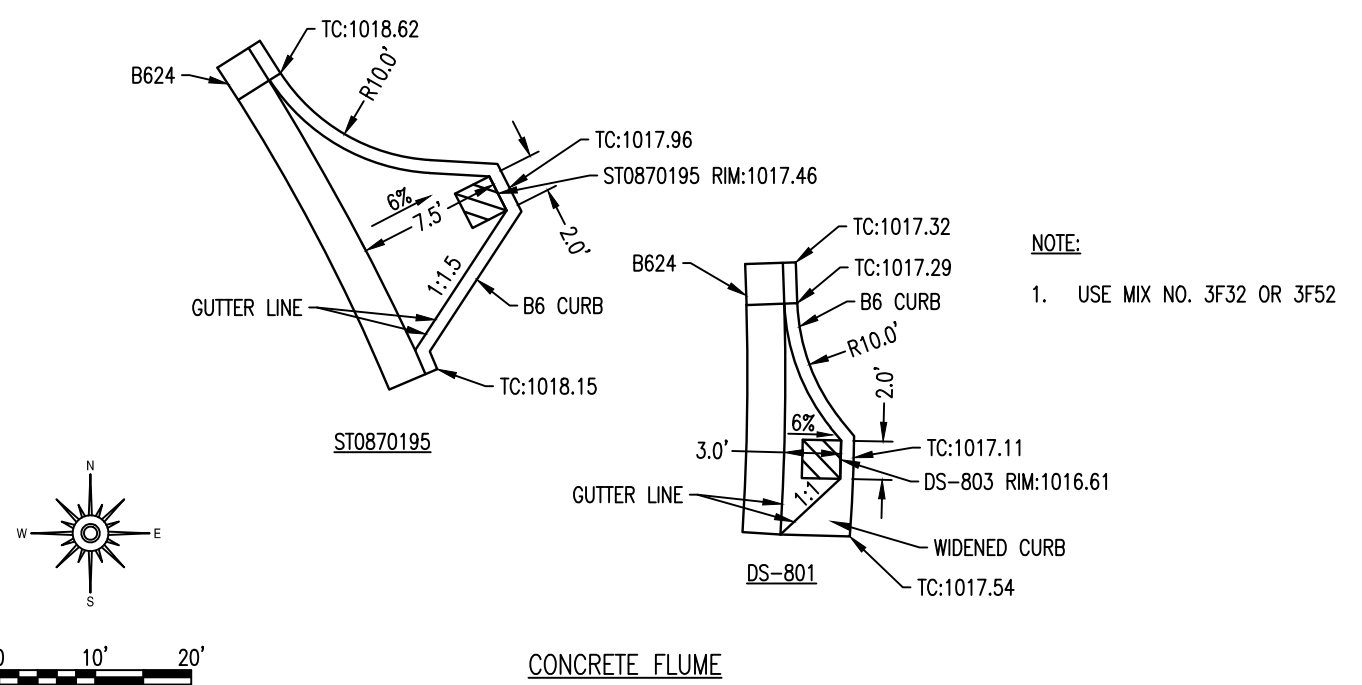
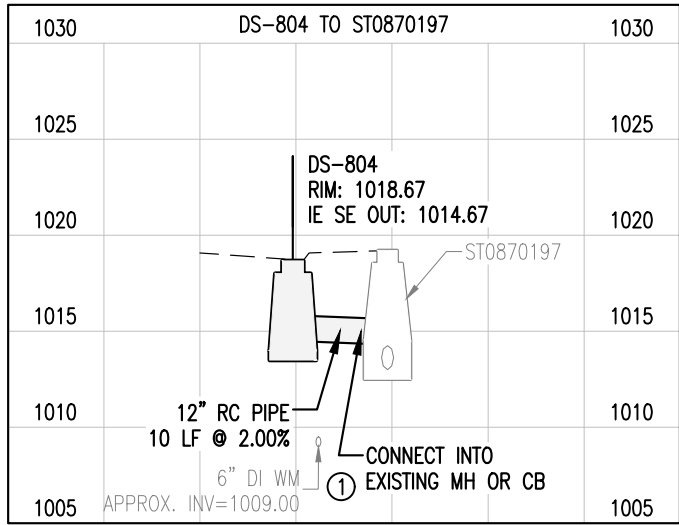
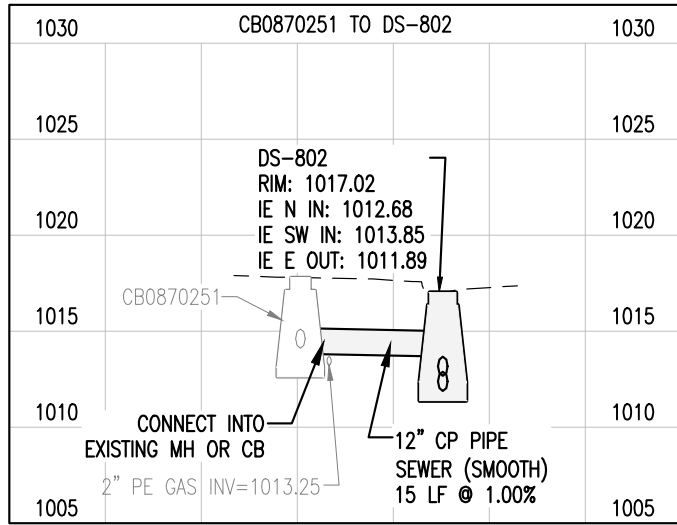
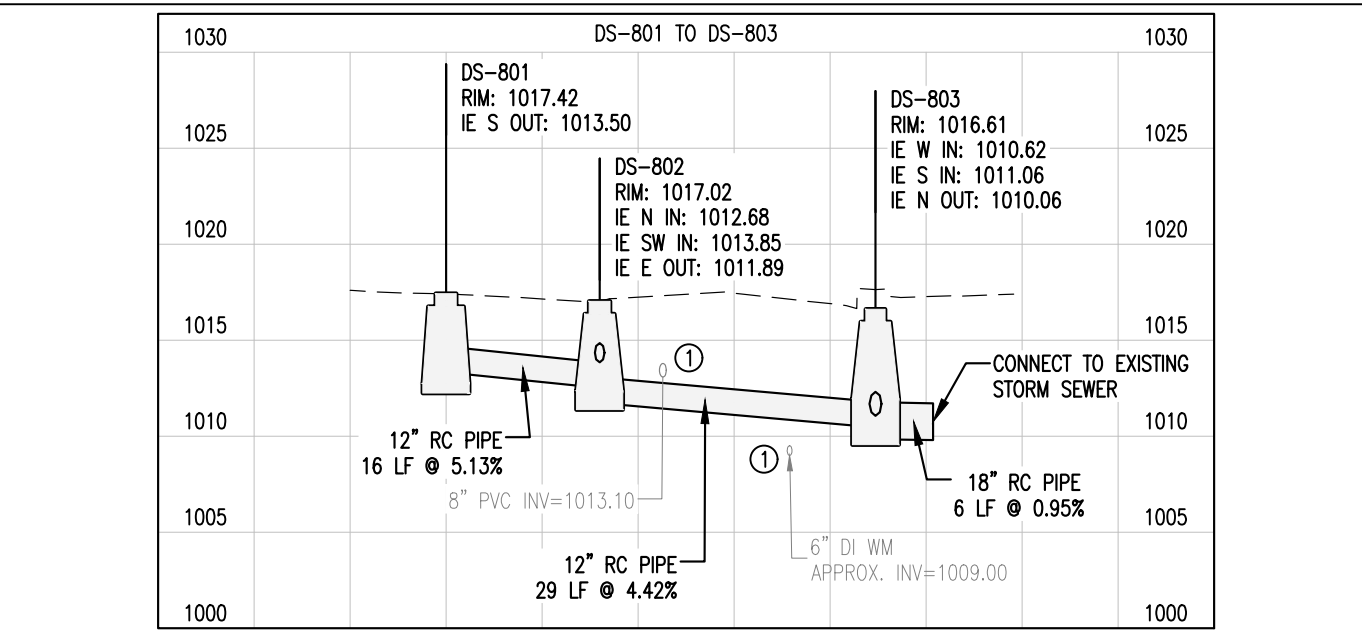
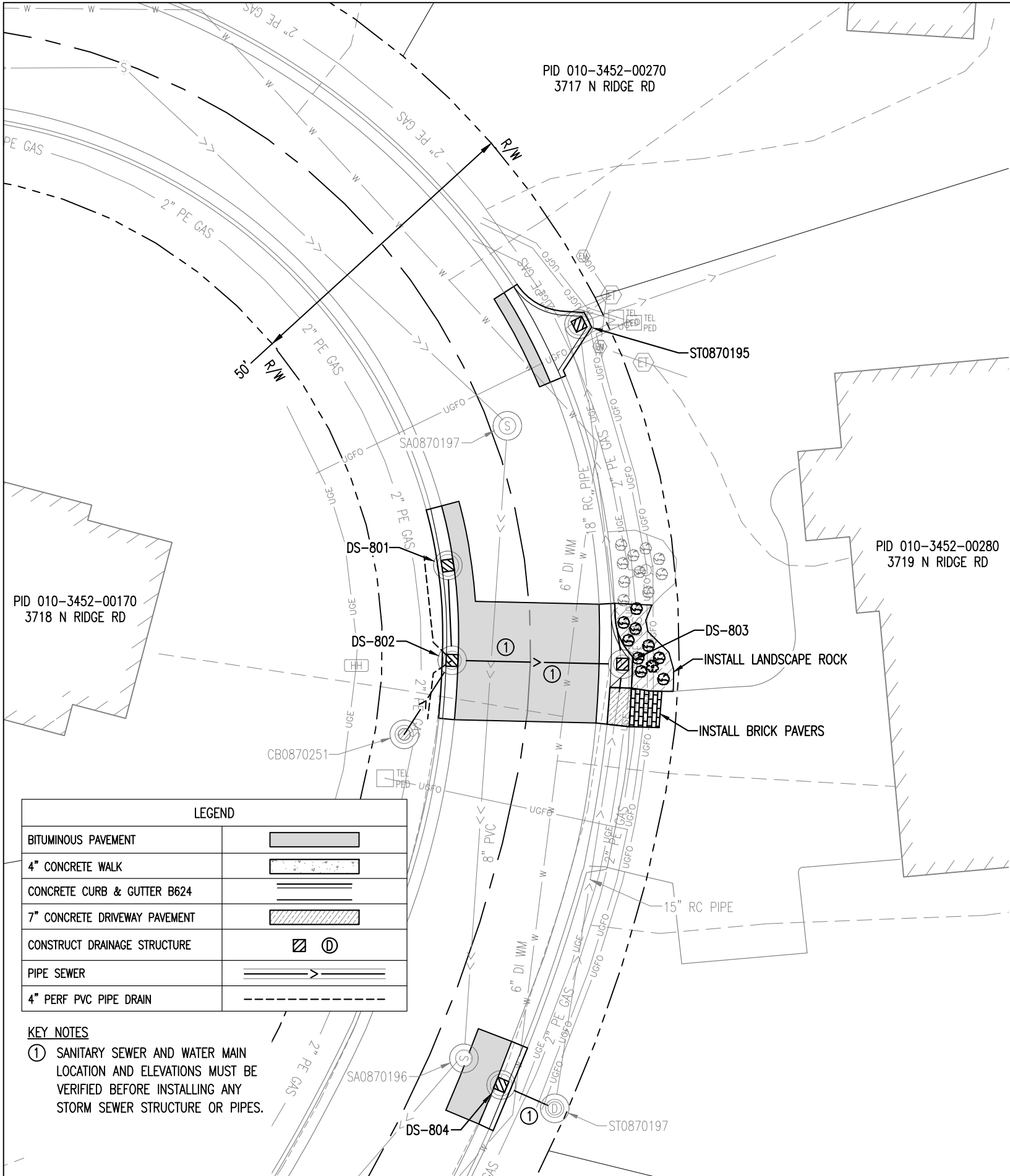
SITE 6 - 340 LEICESTER AVE

DRAWN BY: JDO

CONSTRUCTION PLAN

SHEET NO. 42 OF 51





NOTE:
1. USE MIX NO. 3F32 OR 3F52

I HEREBY CERTIFY THAT THIS PLAN 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: Nathan J. Bruno
NATHAN J. BRUNO P.E.
TYPE NAME

DATE: 04/28/2026

LIC. NO: 46584



CITY OF DULUTH
ENGINEERING DIVISION
411 W. 1ST ST. STE. 211
DULUTH, MN 55802

CITY PROJECT NO.: 2222		STATE AID PROJECT NO.: NA	
STORM SYSTEM IMPROVEMENTS		CONSTRUCTION PLAN	
SHEET NO. 50		OF 51	

SITE 8 - 3719 N RIDGE RD

DRAWN BY: JDO

CONSTRUCTION PLAN

SHEET NO. 50 OF 51