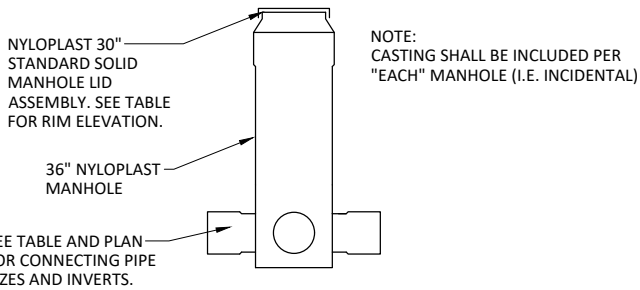
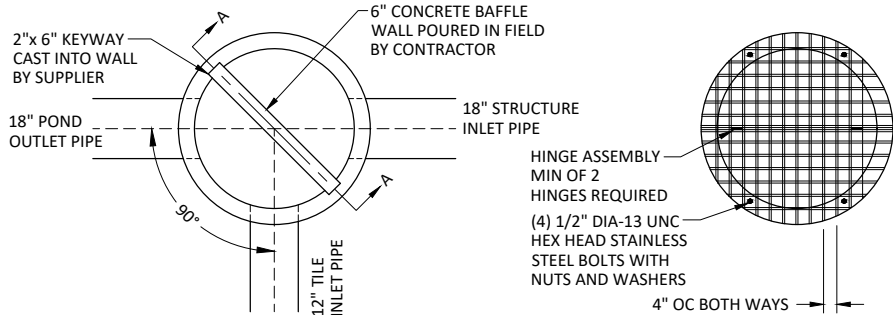


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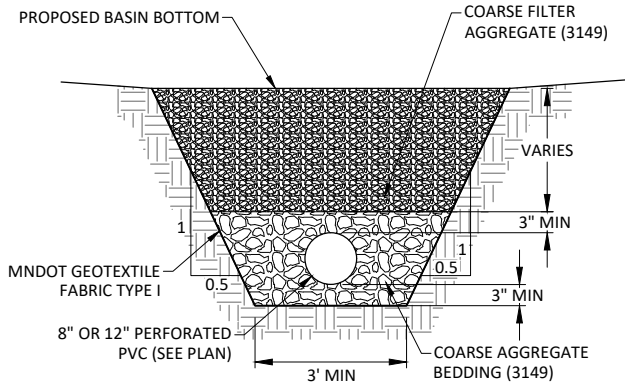


DESIGN SPECIAL - 36" NYLOPLAST MANHOLE
NOT TO SCALE

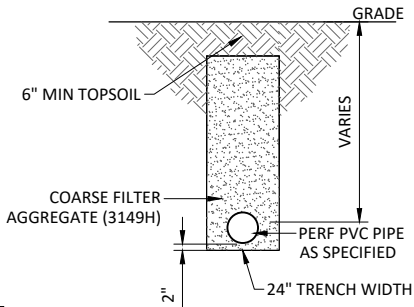
DESIGN SPECIAL - 36" NYLOPLAST MANHOLE						
STRUCTURE	RIM ELEVATION	PIPE INVERTS	NORTH PIPE SIZE	SOUTH PIPE SIZE	WEST PIPE SIZE	EAST PIPE SIZE
P-1B	1004.00	1000.72	12"	12"	8"	8"
P-1C	1004.00	1000.73	12"	-	12"	8"
P-1D	1004.00	1001.14	-	8"	8"	-
P-1E	1004.00	1001.13	8"	12"	8"	8"
P-1F	1004.00	1001.15	12"	12"	-	12"



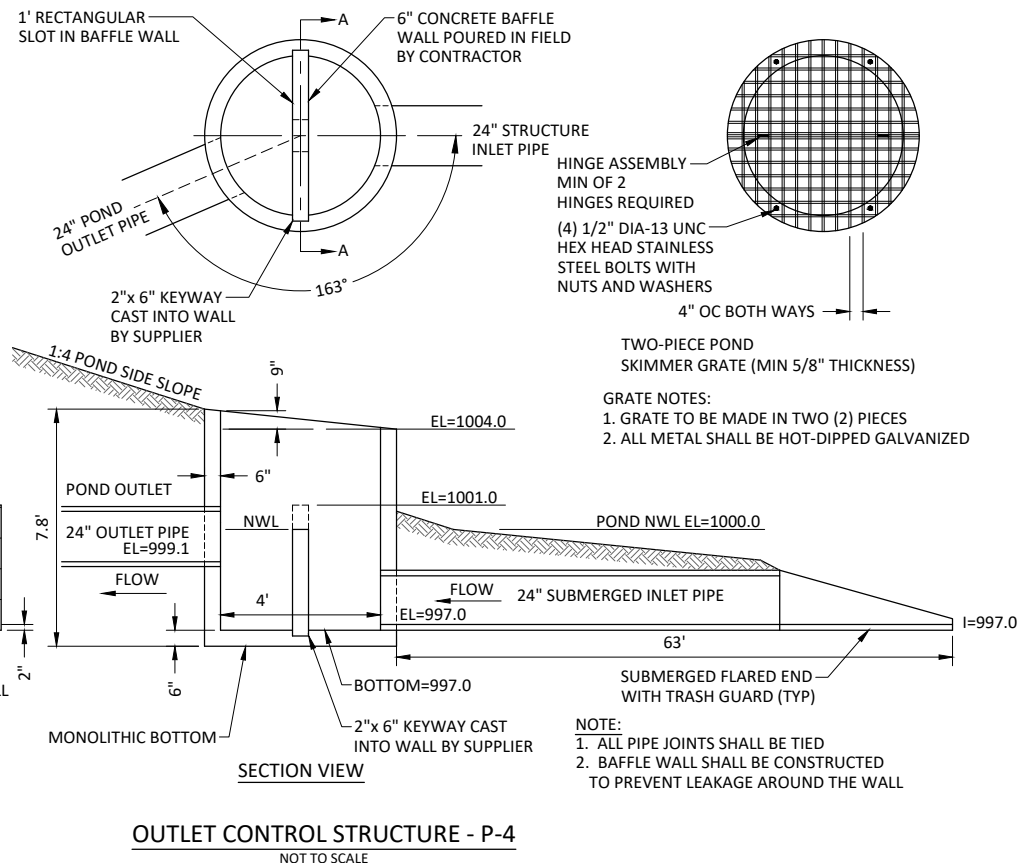
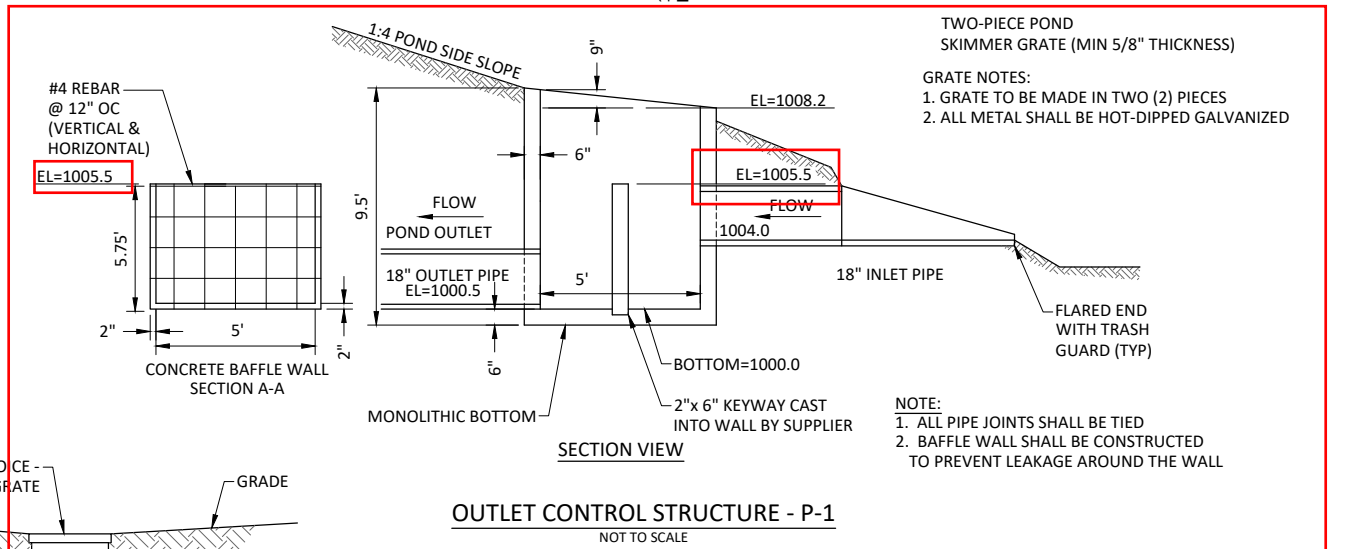
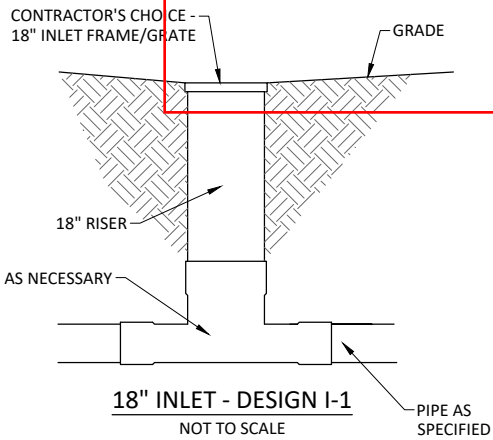
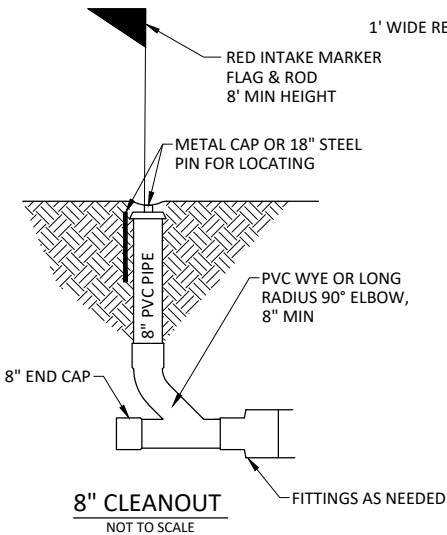
MANKATO STANDARD PLATES	
AVAILABLE ON CITY WEBSITE mankatomn.gov/your-government/departments/public-works/engineering	
PLATE NO.	DESCRIPTION
2002A	TEMPORARY MANHOLE INSERTS
2003A	STABILIZED CONSTRUCTION EXIT
2100A	GRANULAR BEDDING AND ENCASEMENT
2200A	SANITARY SEWER MANHOLE
2203A	INTERNAL CHIMNEY SEAL
2240A	STANDARD SANITARY SERVICE
2241A	DEEP SANITARY SERVICE
2320A	WATERMAIN CONSTRUCTION AROUND OBSTACLES
2321A	GATE VALVE ADAPTOR
2322A	HYDRANT DETAIL
2340B	WATER SERVICE
2402C	MANKATO STNADARD CATCH BASIN 3
2420B	DRAIN TILE TRENCH DETAIL
2421A	DRAIN TILE CLEANOUT END/THRU BOULEVARD
2440A	4" DRAIN STUB
2540B	STANDARD DRIVEWAY APPROACH FOR ALL CURB TYPES
2640A	EQUIPMENT PAD
2641A	LOW LEVEL LIGHT BASE
2650A	LIGHT BASE DESIGN STEEL (E)
2651A	LIGHT BASE DESIGN STEEL (P)
2660A	100 AMP LIGHTING SERVICE
2661A	200 AMP LIGHTING SERVICE



FILTRATION BASIN
8" & 12" PERFORATED PIPE DRAIN
NOT TO SCALE



8" PERFORATED PIPE DRAIN
NOT TO SCALE



MNDOT STANDARD PLATES	
PLATE NO.	DESCRIPTION
3000L	REINFORCED CONCRETE PIPE (5 SHEETS)
3006G	GASKET JOINT FOR R.C. PIPE (2 SHEETS)
3100G	CONCRETE APRON FOR REINFORCED CONCRETE PIPE
3133D	RIPRAP AT RCP OUTLETS
4007C	PRECAST MECHANICAL JOINT SEWER MANHOLE
4011E	PRECAST CONCRETE BASE
4020J	MANHOLE OR CATCH BASIN (FOR USE WITH OR WITHOUT TRAFFIC LOADS) (2 SHEETS)
4022A	MANHOLE OR CATCH BASIN COVER (3 ft. X 2 ft. OPENING)
4026A	CONCRETE ENCASED CONCRETE ADJUSTING RINGS
4101D	RING CASTING FOR MANHOLE OR CATCH BASIN
4110F	COVER CASTING FOR MANHOLE (FOR USE IN ALL TRAFFIC AREAS) - CASTING NO. 715 AND 716
4180J	MANHOLE OR CATCH BASIN STEP
7038A	DETECTABLE WARNING SURFACE TRUNCATED DOMES
7100H	CONCRETE CURB AND GUTTER (DESIGN B AND DESIGN V)
7111J	INSTALLATION OF CATCH BASIN CASTINGS (CONCRETE CURB AND GUTTER)

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.

ALEC W. PIETZ, P.E.
LIC. NO. 59617 DATE 08/26/2022



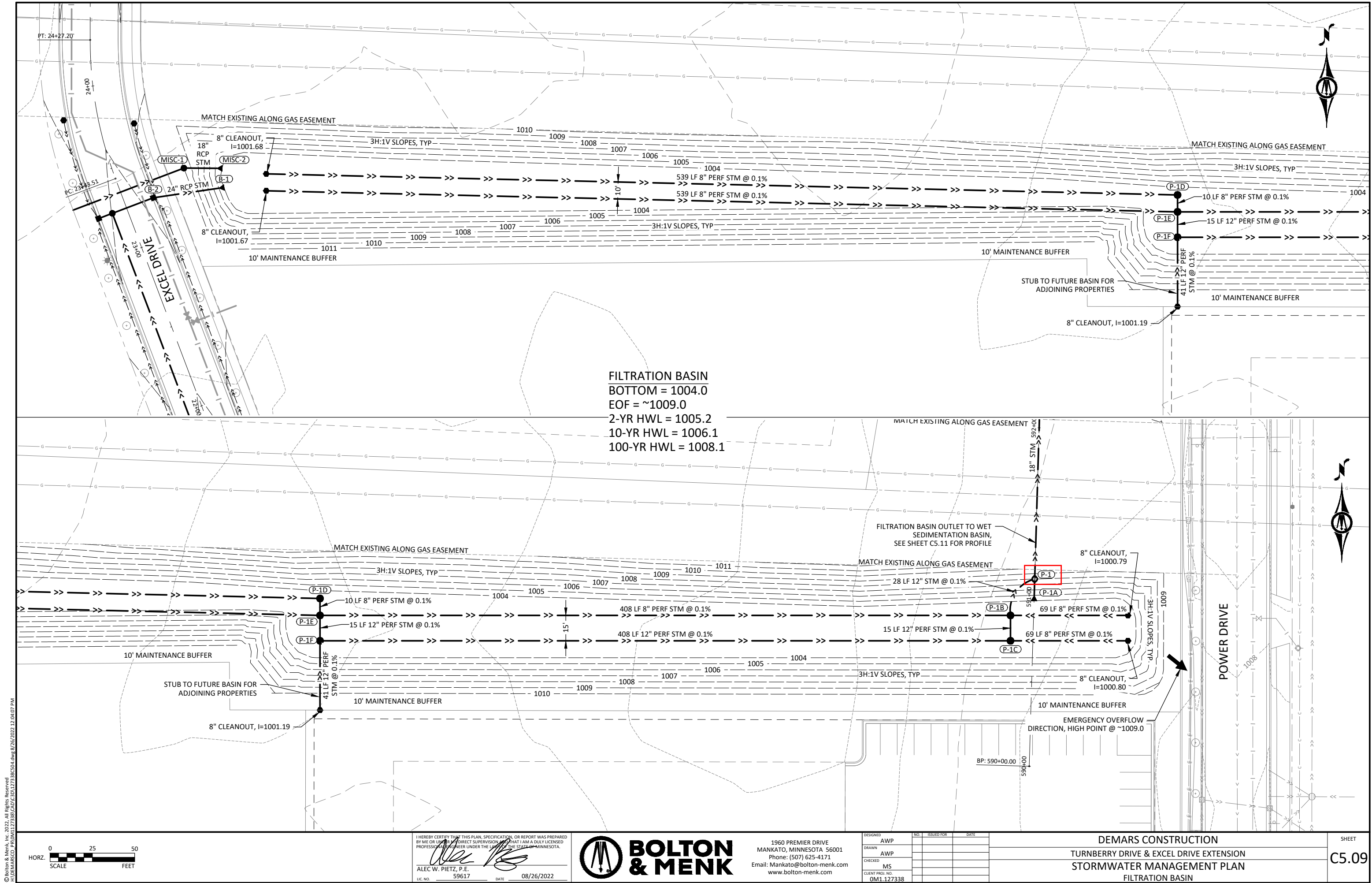
1960 PREMIER DRIVE
MANKATO, MINNESOTA 56001
Phone: (507) 625-4171
Email: Mankato@bolton-menk.com
www.bolton-menk.com

DESIGNED	NO.	ISSUED FOR	DATE
AWP			
DRAWN			
AWP			
CHECKED			
MS			
CLIENT PROJ. NO.			
0M1.127338			

DEMARS CONSTRUCTION
TURNBERRY DRIVE & EXCEL DRIVE EXTENSION
CONSTRUCTION DETAILS

SHEET

C1.02



FILTRATION BASIN
BOTTOM = 1004.0
EOF = ~1009.0
2-YR HWL = 1005.2
10-YR HWL = 1006.1
100-YR HWL = 1008.1

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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.

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0M1.127338			

DEMARS CONSTRUCTION
TURNBERRY DRIVE & EXCEL DRIVE EXTENSION
STORMWATER MANAGEMENT PLAN
FILTRATION BASIN

SHEET
C5.09