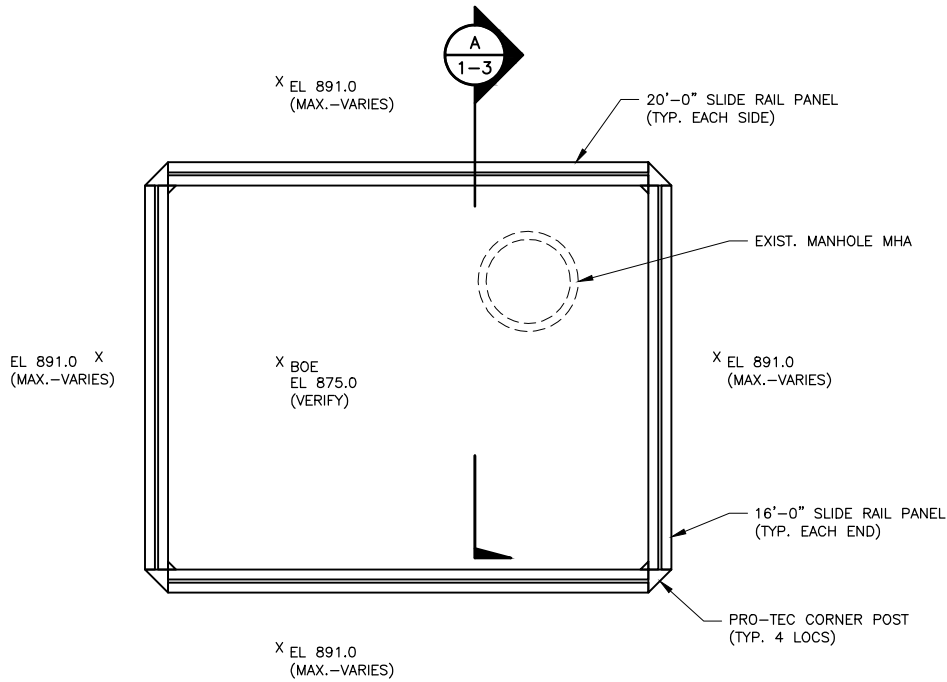
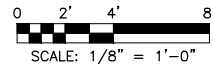


6/20/2022 2:52 PM J:\PROJECTS\22.140 MCEB BROOKLYN PARK AND OSSEO INTERCEPTOR REHAB (MINGER)\DRAWINGS\TASK 1 - TEMP EXCAV SUPPORT\22140-1-2.DWG



PLAN - MHA PUMP PIT



REV	DESCRIPTION OF REVISION	BY	DATE

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.

CU

CHAD A. UNDERWOOD
 DATE: 06/21/22 REG. NO. 43026

ENGINEERING PARTNERS
 INTERNATIONAL, LLC
 7400 CEDAR AVENUE SOUTH
 RICHFIELD, MINNESOTA 55423
 (612) 886-3730 | www.engineeringpartners.net

DESIGNED	TJR
DRAWN	CSO
CHECKED	CAU
PEER REVIEWED	GTG
PROJECT MANAGER	CAU
DATE	06/21/22

MINGER CONSTRUCTION CO., INC.
 BROOKLYN PARK & OSSEO INTERCEPTOR REHAB.
 BROOKLYN PARK/OSSEO, MN
 TEMPORARY EXCAVATION SUPPORT

REVISION	
PROJECT	22.140-1
SHEET NO.	1-2

SLIDE RAIL SCHEDULE - MHA PUMP PIT					
PANEL LOCATION	PANEL HEIGHT (FT)	TOP OF PANEL ELEVATION (FEET)	BOT. OF PANEL ELEVATION (FEET)	MIN. LATERAL PRESSURE RATING (PSF)	RECOMMENDED SLIDE RAIL PANELS (1) (2)
UPPER OUTSIDE PANEL	8	891.0	883.0	800	PS-P-816-KE
					PS-P-820-KE
INSIDE PANEL	8	883.0	875.0	1200	PS-P-816-KE PS-P-820-KE
CORNER POST/CORNER RAIL (1)					PS-DCP-216

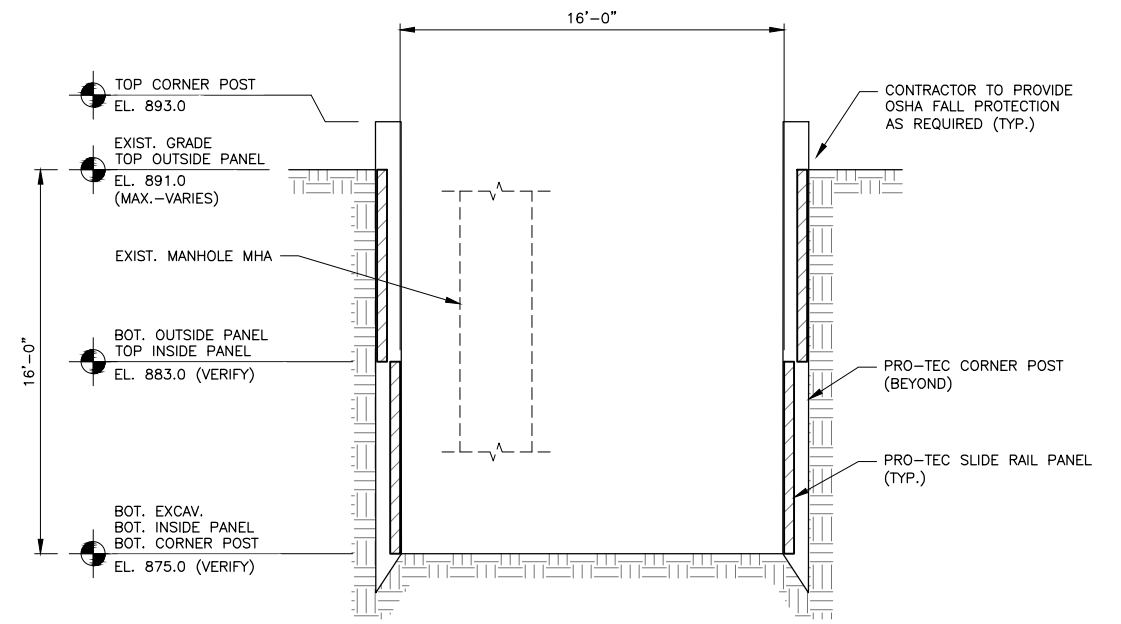
FOOTNOTES:

(1) SLIDE RAIL PANELS AND COMPONENTS BY PRO-TEC.

(2) ALTERNATE SLIDE RAIL PANELS AND PANEL HEIGHTS MAY BE USED AS LONG AS THE PANELS MEET THE MINIMUM LATERAL PRESSURE RATINGS SHOWN IN THE SLIDE RAIL SCHEDULE.

SUMMARY OF ALLOWABLE CONDITIONS FOR APPLICATION OF EXCAVATION DESIGN - MHA PUMP PIT	
SOIL	GENERALLY FILL ABOVE MEDIUM DENSE TO DENSE COARSE GRAINED (SAND) SOILS, PER GEOTECHNICAL ENGINEERING REPORTS PREPARED BY AMERICAN ENGINEERING TESTING DATED 03/19/20 AND 10/06/20. ACTUAL SOIL CONDITIONS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR'S "COMPETENT PERSON". CONTACT ENGINEERING PARTNERS IF SOIL CONDITIONS DIFFER FROM THOSE USED FOR DESIGN.
EXCAVATION DEPTH	16'-0" +/- MAX. RETAINED 16'-0" +/- MAX. TOTAL EXCAVATION DEPTH
CONSTRUCTION/TRAFFIC SURCHARGE	500 PSF CONSTRUCTION EQUIPMENT SURCHARGE STARTING 3 FEET BACK OF TEMPORARY EXCAVATION SUPPORT SYSTEM (OR TOP OF SLOPE) AND EXTENDING 20 FEET.
ADJACENT STRUCTURES	NONE (ASSUMED)
GROUNDWATER	GROUNDWATER IS ASSUMED TO BE AT OR BELOW THE BOTTOM OF EXCAVATION ELEVATION. DEWATERING MAY BE REQUIRED TO PROVIDE A "DRY" EXCAVATION. THE EXCAVATION SUPPORT SYSTEM IS NOT DESIGNED FOR HYDROSTATIC GROUNDWATER CONDITIONS. CONTACT ENGINEERING PARTNERS IF GROUNDWATER CONDITIONS DIFFER FROM THOSE USED FOR DESIGN.

NOTE: ANY EXCAVATION OUTSIDE THE CONDITIONS DESCRIBED ABOVE MUST BE EVALUATED BY ENGINEERING PARTNERS.



SECTION - MHA PUMP PIT A
SCALE: 1/8"=1'-0" 1-3

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REVISION	PROJECT	SHEET NO.
	22.140-1	1-3