

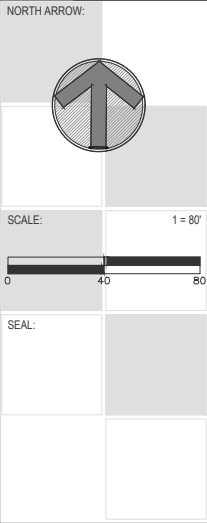
PROJECT:
**CRISTO REY
JESUIT HIGH
SCHOOL**

LOCATION:
**1818 WEST
NATIONAL AVE.
MILWAUKEE, WI
53204**

CLIENT:

RELEASE:

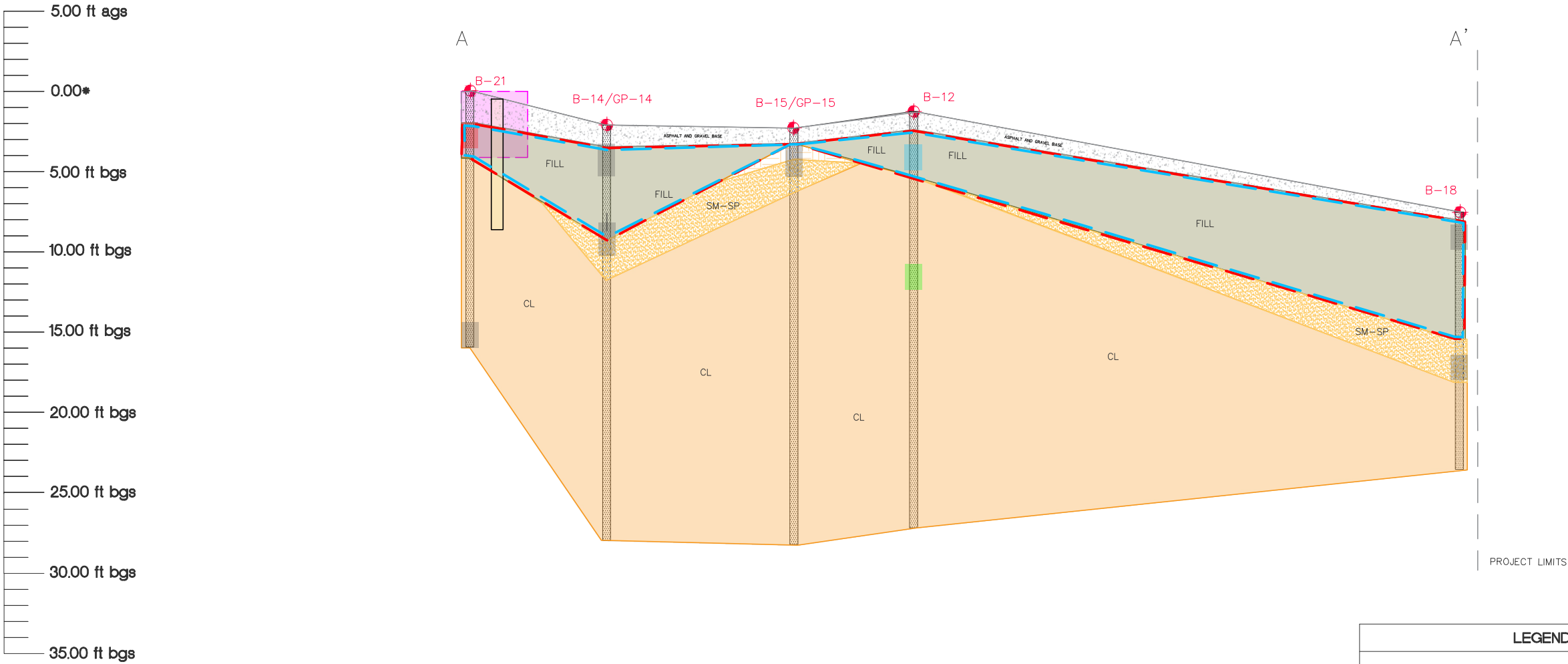
REVISIONS:		
#	DATE	DESCRIPTION



SHEET:
**PRE-CONSTRUCTION
GEOLOGIC
CROSS-SECTION A-A'**

PROJECT MANAGER: TP
PROJECT NUMBER: 180231.01
DATE: 04/5/2023

SHEET NUMBER:
B.3.a.i



Parameter	Units	Direct Contact Industrial RCLs	Direct Contact Non-Industrial	to Groundwater Pathway RCLs	Background Threshold Value		B-12	GP-14	GP-14	GP-15	B-18	B-18	B-21	B-21	
					Soil Type		GVW	ML	ML	CL	CL-ML	GVW	GVW	SW	
					Saturated/Unsaturated Sample Depth		U	U	U	U	U	U	U	U	
							(9.5-11)	(1-3)	(6-8)	(1-3)	(5-2)	(9.5-11)	(2-3.5)	(14.5-16)	
Polynuclear Aromatic Hydrocarbons (PAHs)															
Benzo(a)anthracene	mg/kg	20.8	1.14		mg/kg		<0.0037	0.25	0.074	<0.0038	0.0198	0.0198	2.09	<0.0939	
Benzo(a)pyrene	mg/kg	2.11	0.115	0.47	mg/kg		<0.0030	0.30	0.087	<0.0030	0.0225	0.0151	2.19	<0.0744	
Benzo(b)fluoranthene	mg/kg	21.1	1.15	0.4793	mg/kg		<0.0033	0.38	0.082	<0.0034	0.0301	0.0248	2.74	<0.0836	
Chrysene	mg/kg	2.110	115	0.1446	mg/kg		<0.0040	0.30	0.080	<0.0040	0.0202	0.0269	2.41	<0.0999	
Dibenz(a,h)anthracene	mg/kg	2.11	0.115		mg/kg		<0.0026	0.062	0.016	<0.0027	0.0033 J	<0.0025	0.306	<0.0662	
Indeno(1,2,3-cd)pyrene	mg/kg	21.1	1.15		mg/kg		<0.0026	0.19	0.048	<0.0026	0.0102	0.0059 J	1.19	<0.0651	
Naphthalene	mg/kg	26	5.2	0.66	mg/kg		<0.0100	0.060	<0.010	<0.010	<0.0089	<0.0094	1.09	3.51	
RCRA Metals															
Arsenic	mg/kg	3.0	0.677	0.5484	mg/kg		8	6.4*	4.7*	6.1*	4.2*	4.1 J*	4.9 J*	9.1	6.4*
Barium	mg/kg	100,000	15,300	164.8	mg/kg		364	57.6	41.3	64.6	60.6	14.7	45.2	660	61.9
Cadmium	mg/kg	985	71.1	0.752	mg/kg		1	0.20 J	<0.15	<0.15	<0.15	<0.27	<0.27	104	0.39 J
Lead	mg/kg	800	400	27	mg/kg		52	8.0	13.8	7.3	9.0	4.1	5.2	8,250	17.9
Mercury	mg/kg	3.13	3.13	0.208	mg/kg			<0.037	0.016 J	0.020 J	0.017 J	<0.034	<0.039	0.22	<0.036
Selenium	mg/kg	5,840	391	0.52	mg/kg			<1.5	<1.5	<1.5	<1.5	<2.7	<2.7	3.9	<1.5
Silver	mg/kg	391	5,110	0.85	mg/kg			<0.38	<0.38	<0.39	<0.38	<0.70	<0.71	1.1	<0.40
Volatile Organic Compounds (VOCs)															
1,2-Dichlorobenzene	mg/kg	376	376	1.2	mg/kg			<0.0250	<0.025	<0.025	<0.025	<0.0250	<0.0250	1.29	<0.0250
1,2-Dichloroethane	mg/kg	3	0.652	0.0028	mg/kg			0.174	<0.025	<0.025	<0.025	<0.0250	<0.0250	<0.0250	<0.0250
1,4-Dichlorobenzene	mg/kg	16.4	3.7	0.14	mg/kg			<0.0250	<0.025	<0.025	<0.025	<0.0250	<0.0250	1.17	<0.0250
Chlorobenzene	mg/kg	761	370	0.14	mg/kg			<0.0250	<0.025	<0.025	<0.025	<0.0250	<0.0250	1.43	<0.0250
Naphthalene	mg/kg	24.1	5.52	0.6582	mg/kg			<0.0400	<0.040	<0.040	<0.040	<0.0400	<0.0400	1.14	0.106 J

Notes:
Only analytes that exceed WDNR RCLs are shown in this table
* = Sample exceeds WDNR RCL but is below the background threshold value

--- FILL MATERIALS / POTENTIAL WDNR INDUSTRIAL SOIL TO GROUNDWATER PATHWAY RCL EXCEEDANCES
--- FILL MATERIALS / POTENTIAL WDNR INDUSTRIAL DIRECT CONTACT RCL EXCEEDANCES

SOIL CLASSIFICATION

CL = Clay of low plasticity
SM = Silty sand
SP = Poorly grade sand
FILL = Fill soils

LEGEND

- EXTENT OF UTILITY EXCAVATION ADJOINING 'SOURCE AREA'
- AREA OF IMPACTED SOILS DISPOSED OFF-SITE
- GEOTECHNICAL/ENVIRONMENTAL SOIL BORING LOCATIONS
- SOIL SAMPLE EXCEEDS WDNR DIRECT CONTACT INDUSTRIAL RCLs
- SOIL SAMPLE EXCEEDS WDNR DIRECT CONTACT NON-INDUSTRIAL RCLs
- SOIL SAMPLE EXCEEDS WDNR SOIL TO GROUNDWATER PATHWAY RCLs
- SOIL SAMPLING ANALYTICAL RESULTS DO NOT EXCEED WDNR RCLs

* = APPROXIMATE PRE-DEVELOPMENT GROUND SURFACE
ags = ABOVE GROUND SURFACE
bgs = BELOW GROUND SURFACE
ft = FEET