

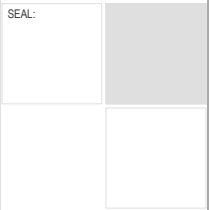
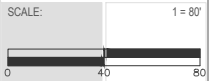
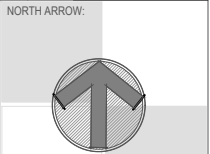
PROJECT:
**CRISTO REY
JESUIT HIGH
SCHOOL**

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

CLIENT:

RELEASE:

REVISIONS:		
#	DATE	DESCRIPTION

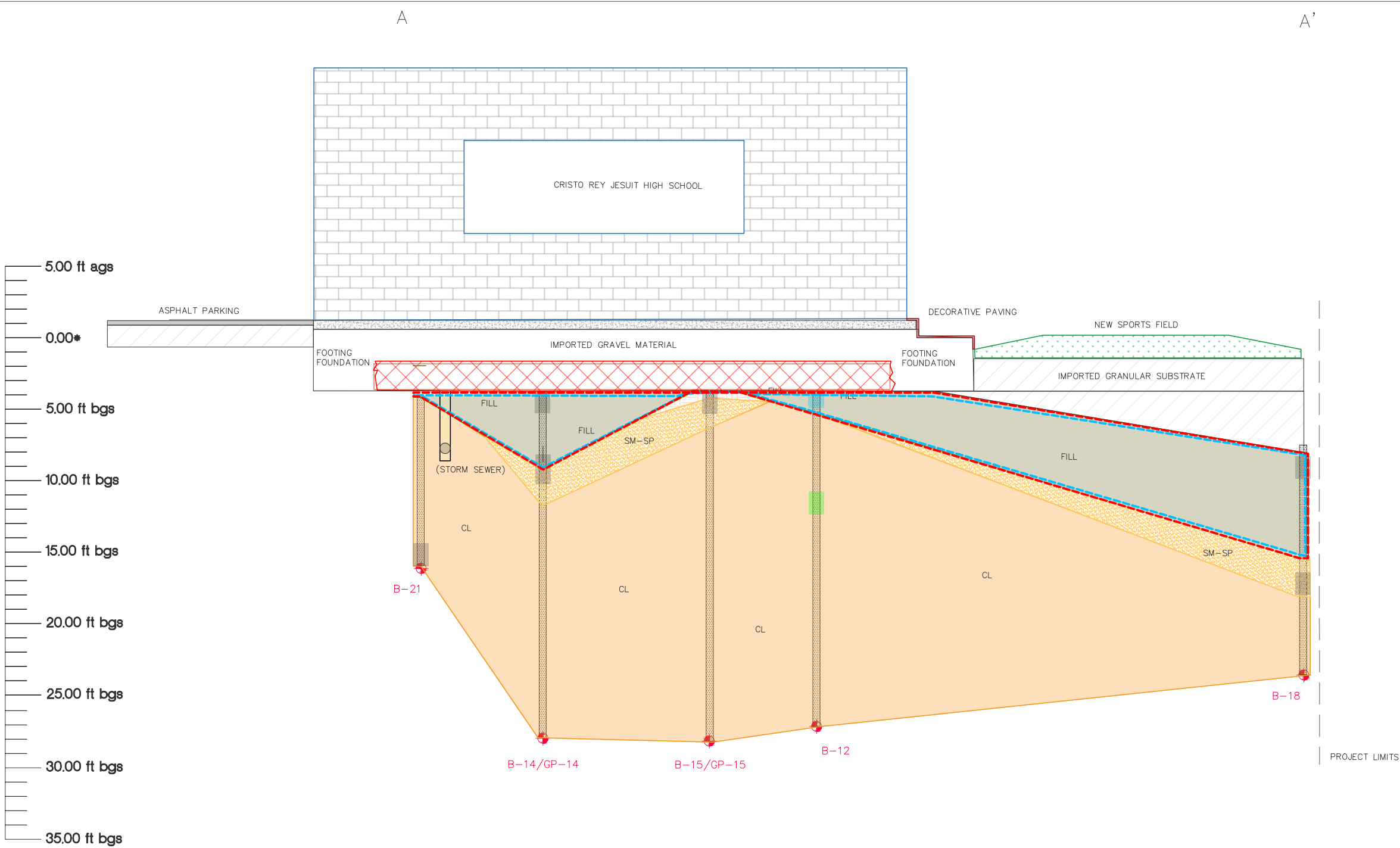


SHEET:
**POST-CONSTRUCTION
GEOLOGIC
CROSS-SECTION A-A'**

PROJECT MANAGER: TP
PROJECT NUMBER: 180231.01
DATE: 01/29/2019

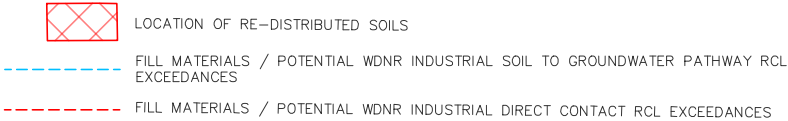
SHEET NUMBER:

B.3.a.ii



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	GW	ML	ML	CL	CL-ML	GW	GW	SW
					Saturated/Unsaturated	U	U	U	U	U	U	U	U
					Sample Depth	(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			<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		<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		<0.0033	0.38	0.082	<0.0034	0.0301	0.0248	[2.74]	<0.0836
Chrysene	mg/kg	2.110	115	0.1446		<0.0040	1.0	0.080	<0.0040	0.0202	0.0269	[2.41]	<0.0999
Dibenz(a,h)anthracene	mg/kg	2.11	0.115			<0.0026	0.062	0.016	<0.0027	0.0033	J	<0.0025	<0.0662
Indeno(1,2,3-cd)pyrene	mg/kg	21.1	1.15			<0.0026	0.19	0.048	<0.0026	0.0102	0.0059	J	<0.0651
Naphthalene	mg/kg	26	5.2	0.66		<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	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	364	57.6	41.3	64.6	60.6	14.7	45.2	[660]	61.9
Cadmium	mg/kg	985	71.1	0.752	1	0.20 J	<0.15	<0.15	<0.15	<0.27	<0.27	[1.04]	0.39 J
Lead	mg/kg	800	400	27	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		<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		<1.5	<1.5	<1.5	<1.5	<2.7	<2.7	[3.9]	<1.5
Silver	mg/kg	391	5.110	0.85		<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		<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		[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		<0.0250	<0.025	<0.025	<0.025	<0.0250	<0.0250	[1.17]	<0.0250
Chlorobenzene	mg/kg	761	370	0.14		<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		<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



SOIL CLASSIFICATION	
CL	Clay of low plasticity
SM	Silty sand
SP	Poorly graded sand
FILL	Fill soils

LEGEND	
	EXTENT OF UTILITY EXCAVATION ADJOINING 'SOURCE AREA'
	B-1 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	