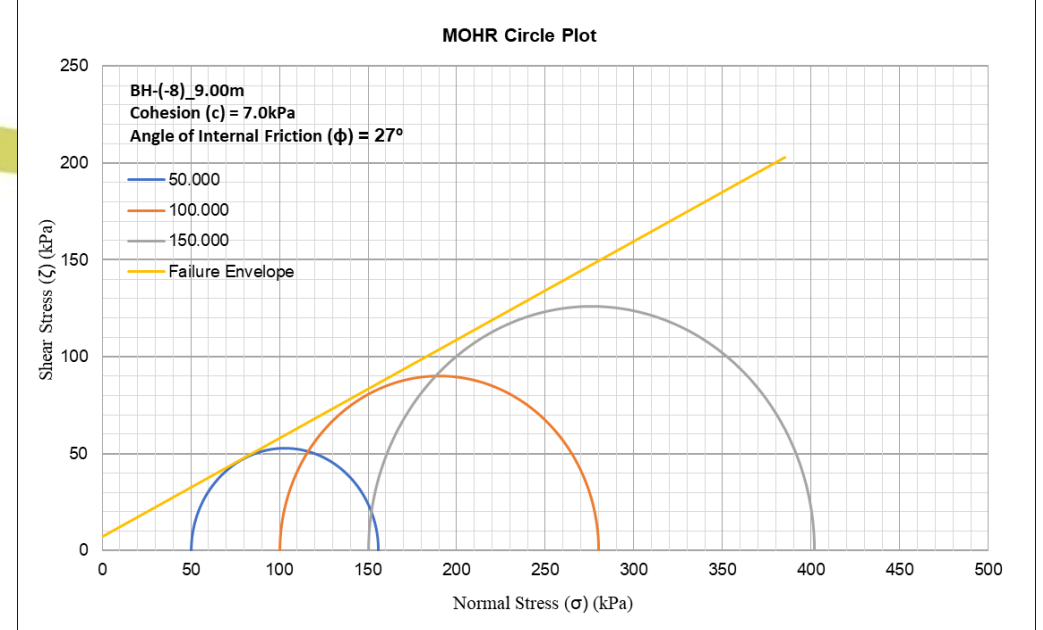
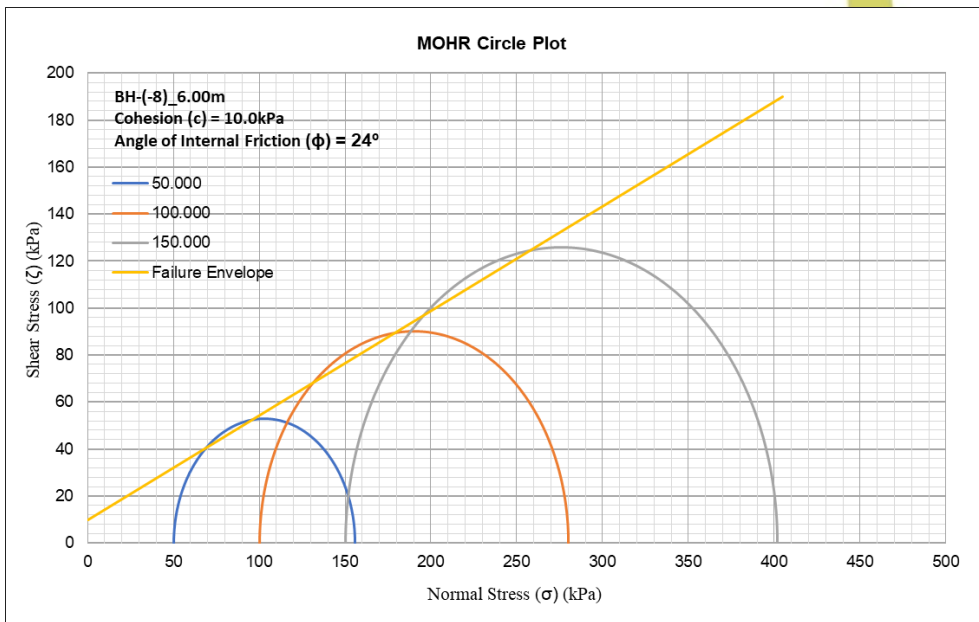
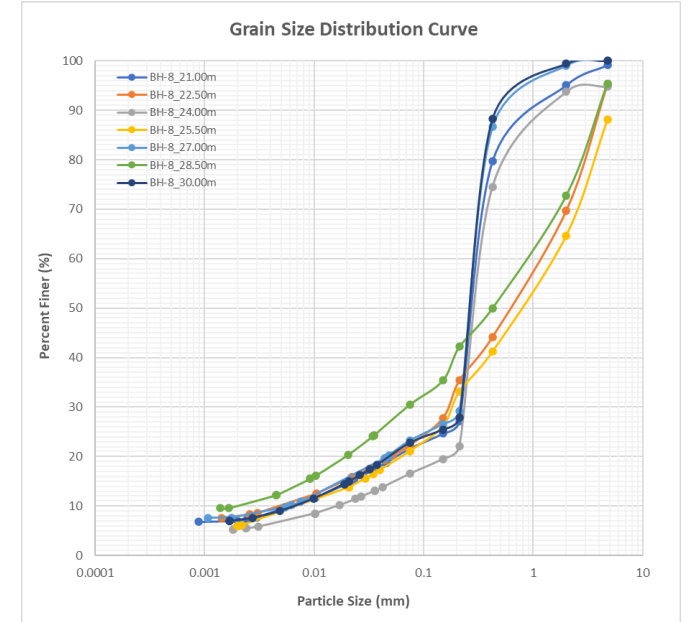
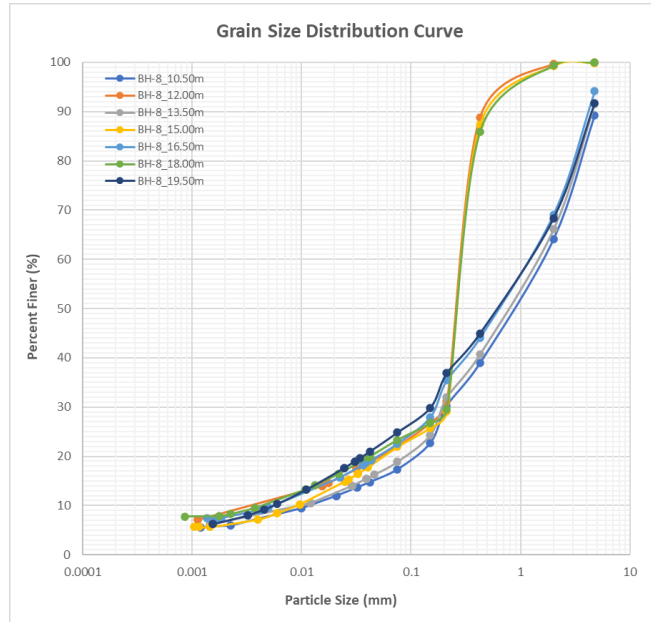
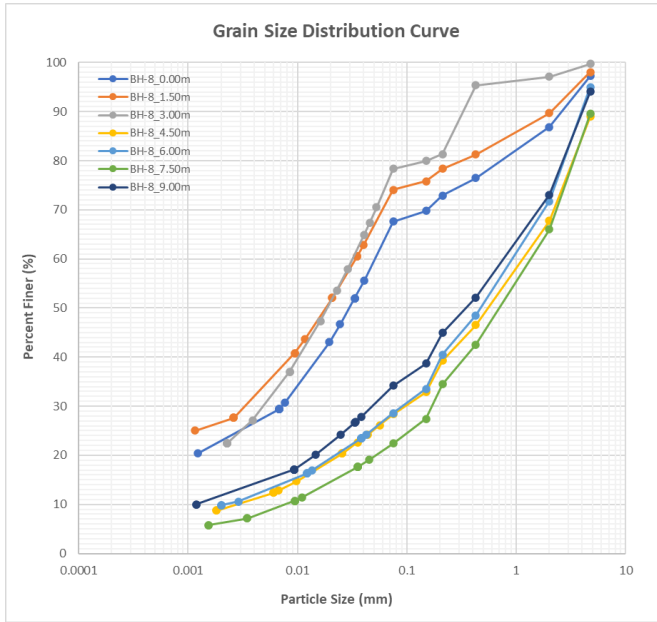


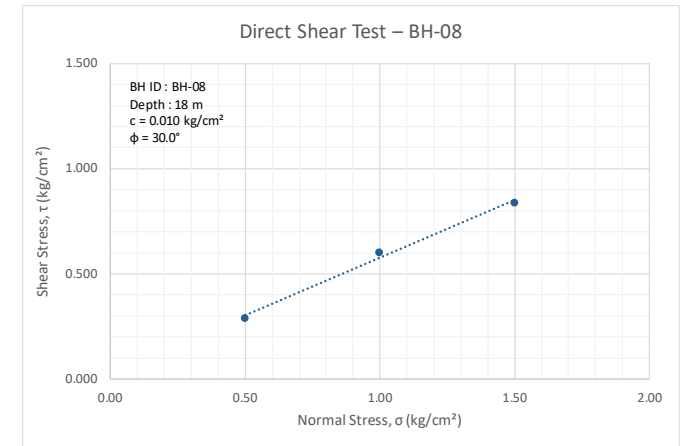
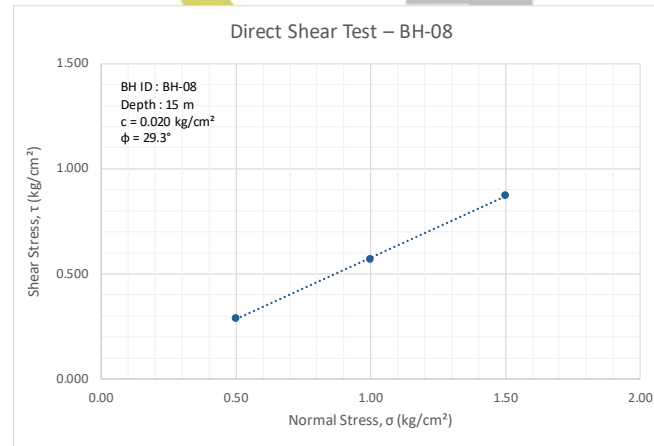
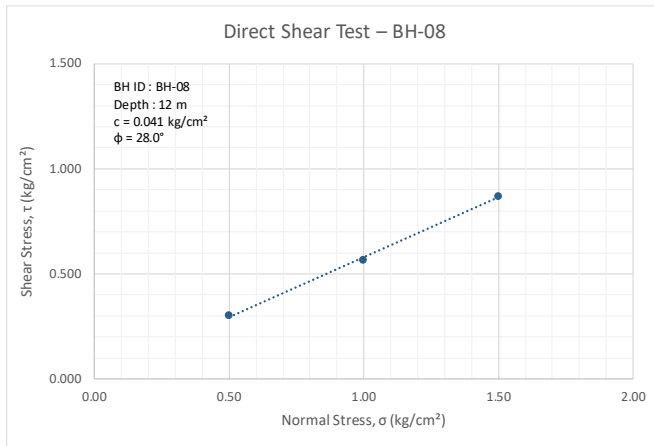
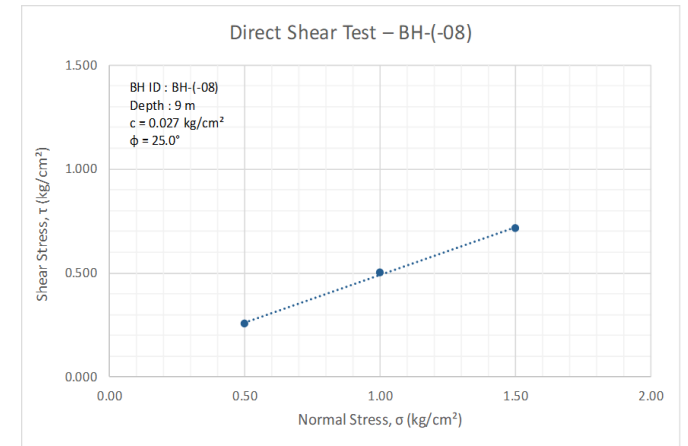
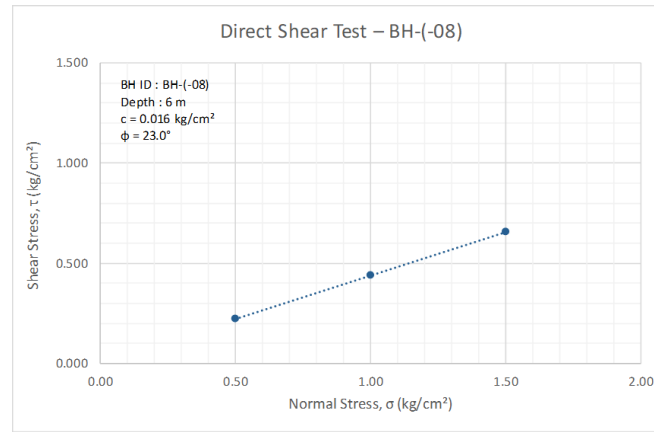
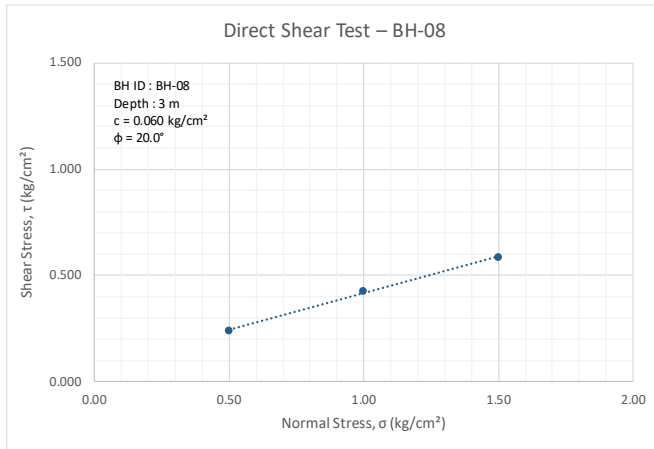


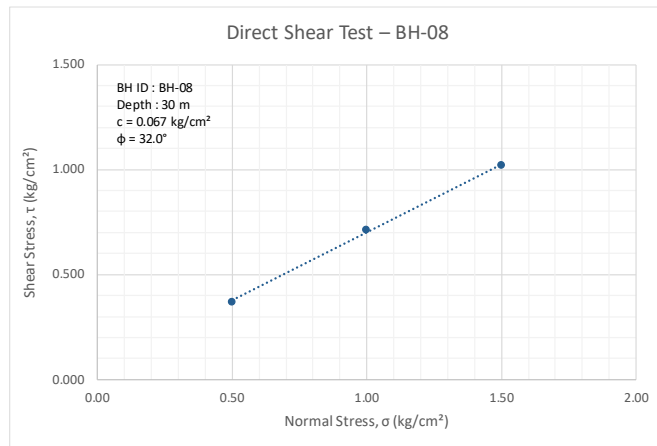
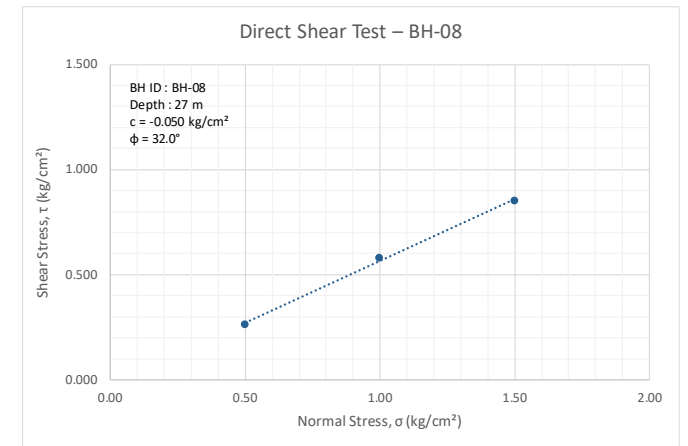
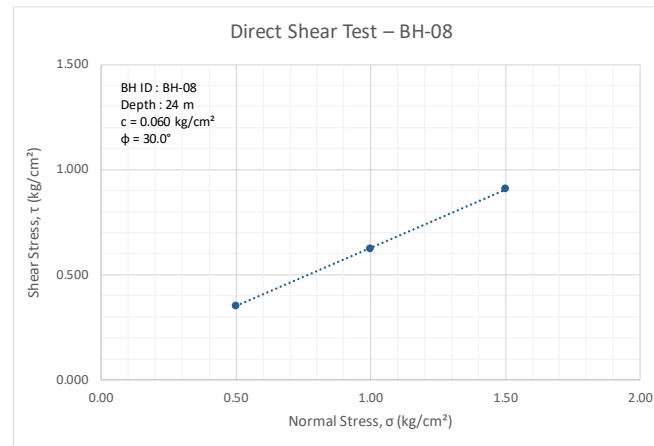
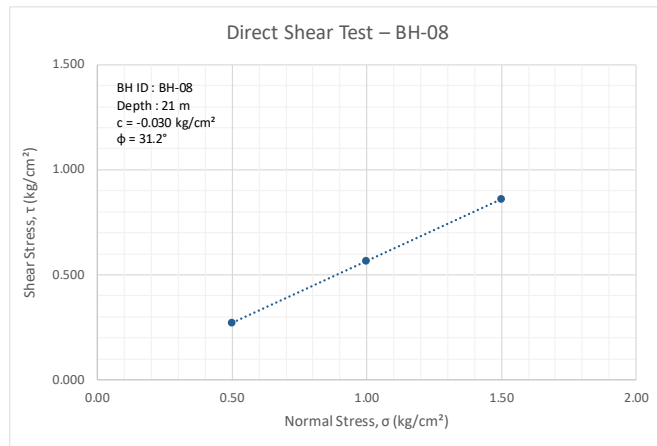
Project		Borehole Details		Drilling Details	
<b>Name of Work:</b>	Geotechnical Investigation work for Proposed Extension Metro Corridors of Aqua Line from Noida Sector-142 to Botanical Garden and Depot Station to Boraki MMTH (14.16 km) (E Tender No. NMRC/Civil/Geo. Inv./366/2025)	<b>BH ID:</b>	BH-(-08)	<b>Contractor:</b>	Goma Engineering & Consultancy
<b>Client:</b>	Noida Metro Rail Corporation (NMRC) Limited	<b>Chainage [km]:</b>	0-174	<b>Method of Drilling:</b>	Rotary Drilling
<b>Stretch:</b>	Noida Sector-142 to Botanical Garden	<b>Depth [m]:</b>	30.00	<b>Start Date:</b>	12-03-2026
<b>Project Code:</b>	158_R01_Noida Sector-142 to Botanical Garden_0-372 km TO 12+130 km	<b>Elevation [m]:</b>	195.4	<b>End Date:</b>	12-03-2026
		<b>Water table Level [m]:</b>	13.65	<b>Location:</b>	Lat. 28.564666 , Long. 77.333096

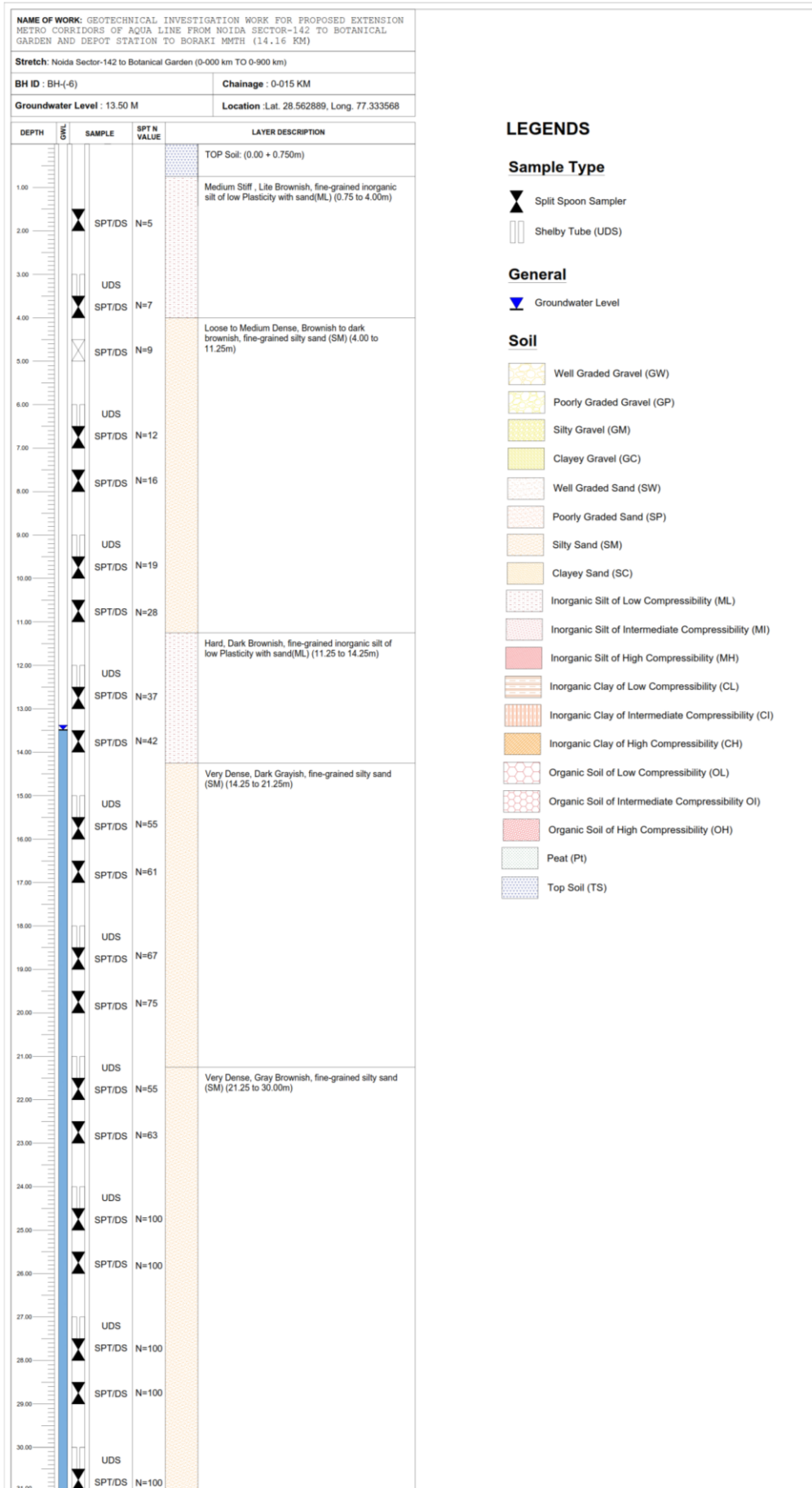
Depth [m]	Sample Type	Descriptions	SPT Test Results					Soil Particles				Atterberg Limits			Physical Characteristics				Direct Shear Test			Triaxial Comp Test			Consolidation Test		
			N1 (Seating Drive)	N2 (First Drive)	N3 (Second Drive)	Observed SPT	N (Correct N)	Gravel [%]	Sand [%]	Silt [%]	Clay [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	Moisture Content [%]	Bulk Density [gm/cm <sup>3</sup> ]	Dry Density [gm/cm <sup>3</sup> ]	Specific Gravity	Type	Cohesion [kg/cm <sup>2</sup> ]	Angle of Friction [°]	Type	Cohesion [kPa]	Angle of Friction [°]	Swelling Index	Consolidation Index	Preconsolidation Pressure [kg/cm <sup>2</sup> ]
0.00	DS	Top Soil	-	-	-	0	0	2.8	29.6	44.6	23.0	23	NP	NP	-	-	-	-	-	-	-	-	-	-	-	-	-
1.50	SPT/DS	Medium Stiff, Brownish, fine-grained inorganic silt of low Plasticity with sand(ML)	2	2	3	5	7	1.9	24.0	47.3	26.8	24	NP	NP	-	-	-	-	-	-	-	-	-	-	-	-	-
3.00	UDS							0.3	21.4	57.6	20.7	21	NP	NP	16.61	1.63	1.40	2.69	F	0.08	21	-	-	-	-	-	-
3.50	SPT/DS		2	3	4	7	8																				
4.50	SPT/DS	Loose to Medium Dense, Gray brownish to Brownish, fine-grained silty sand (SM)	3	4	5	9	9	11.0	60.6	19.3	9.1	28	NP	NP	-	-	-	-	-	-	-	-	-	-	-	-	-
6.00	UDS							5.0	66.4	28.6	0.0	23	NP	NP	14.63	1.88	1.64	2.638	F	0.02	23	UU	10	24	-	-	-
6.50	SPT/DS		4	5	7	12	11																				
7.50	SPT/DS		5	7	9	16	15	10.5	67.2	16.2	6.2	25	NP	NP	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	UDS							6.0	59.8	22.4	11.8	27	NP	NP	18.90	1.9	1.60	2.67	F	0.03	25	UU	7	27	-	-	-
9.50	SPT/DS		7	10	12	22	19																				
10.50	SPT/DS		10	13	15	28	23	10.7	71.9	11.5	5.9	22	NP	NP	-	-	-	-	-	-	-	-	-	-	-	-	-
12.00	DS							0.0	78.0	13.4	8.6	26	NP	NP	18.12	-	-	2.63	F	0.04	27	-	-	-	-	-	-
12.50	SPT/DS	Dense, Grayish, fine-grained silty sand (SM)	13	15	18	33	25																				
13.50	SPT/DS		17	21	26	47	34	8.5	72.6	12.0	6.8	28	NP	NP	-	-	-	-	-	-	-	-	-	-	-	-	-
15.00	DS							0.1	78.0	15.8	6.1	26	NP	NP	21.65	-	-	2.66	F	0.03	29	-	-	-	-	-	-
15.50	SPT/DS	Very Dense, Brownish Gray, fine-grained silty sand (SM)	20	24	30	54	26																				
16.50	SPT/DS		23	29	34	63	29	5.9	71.6	14.9	7.7	24	NP	NP	-	-	-	-	-	-	-	-	-	-	-	-	-
18.00	DS							0.0	76.7	15.2	8.1	25	NP	NP	17.95	-	-	2.77	F	0.08	29	-	-	-	-	-	-
18.50	SPT/DS		25	29	34	63	28																				
19.50	SPT/DS		29	31	37	68	29	8.3	66.9	18.0	6.8	23	NP	NP	-	-	-	-	-	-	-	-	-	-	-	-	-
21.00	DS							0.9	77.5	14.6	7.0	28	NP	NP	17.52	-	-	2.68	F	0.02	30	-	-	-	-	-	-
21.50	SPT/DS		30	35	39	74	30																				
22.50	SPT/DS		34	38	42	80	32	4.9	72.8	14.3	8.0	26	NP	NP	-	-	-	-	-	-	-	-	-	-	-	-	-
24.00	DS						5.2	78.3	11.2	5.3	24	NP	NP	5.18	-	-	2.71	F	0.00	32	-	-	-	-	-	-	
24.50	SPT/DS	45	(50/11 cm)	-	100	37																					
25.50	SPT/DS	48	(50/10 cm)	-	100	36	11.9	67.0	13.4	7.7	23	NP	NP	-	-	-	-	-	-	-	-	-	-	-	-	-	
27.00	DS						0.0	76.8	15.3	7.9	27	NP	NP	20.30	-	-	2.69	F	0.05	31	-	-	-	-	-	-	
27.50	SPT/DS	46	(50/11 cm)	-	100	36																					
28.50	SPT/DS	49	(50/9 cm)	-	100	35	4.6	64.9	20.4	10.1	22	NP	NP	-	-	-	-	-	-	-	-	-	-	-	-	-	
30.00	DS						0.0	77.2	15.6	7.2	29	NP	NP	20.97	-	-	2.70	F	0.03	32	-	-	-	-	-	-	
30.50	SPT/DS	(50/12 cm)	-	-	100	34																					

**Notations:** UDS = Undisturbed Sample, DS = Disturbed Sample, RC = Rock Core, F = Fast, S = Slow, UU = Unconsolidated Undrained Tri-axial compression Test, NP = Non Plastic.







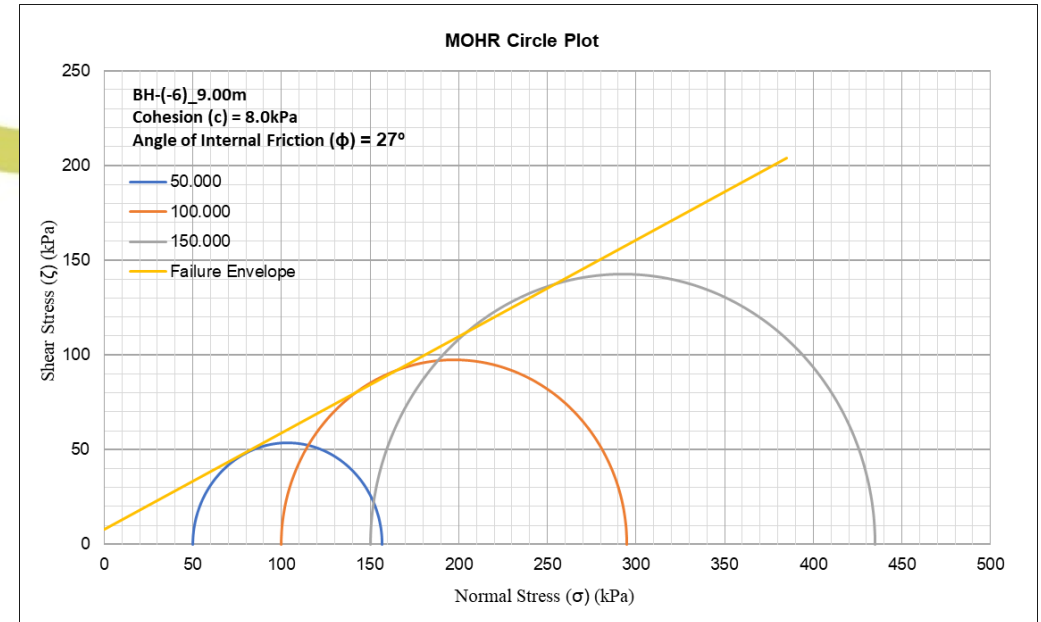
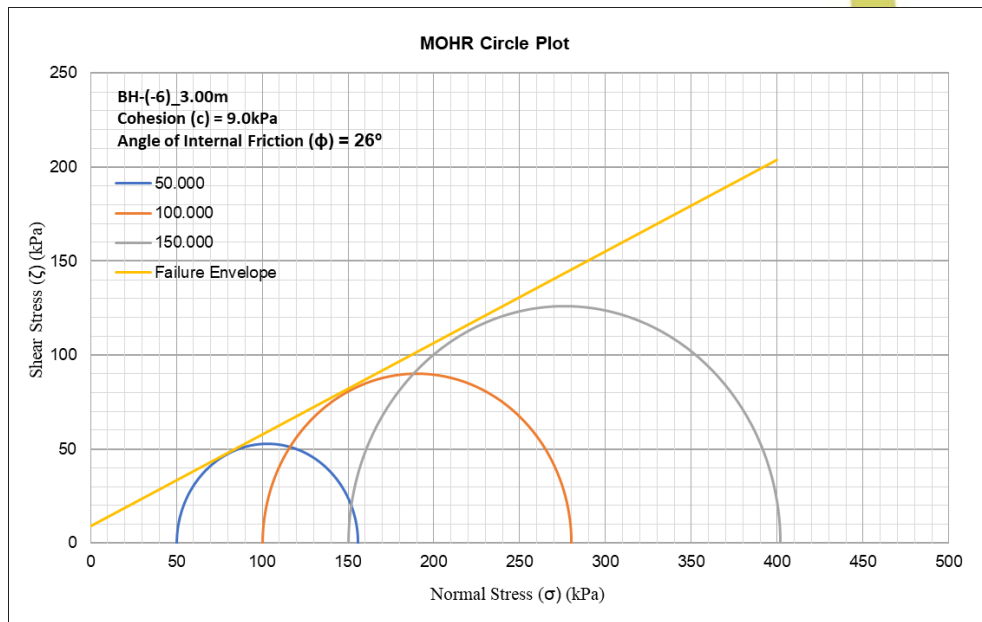
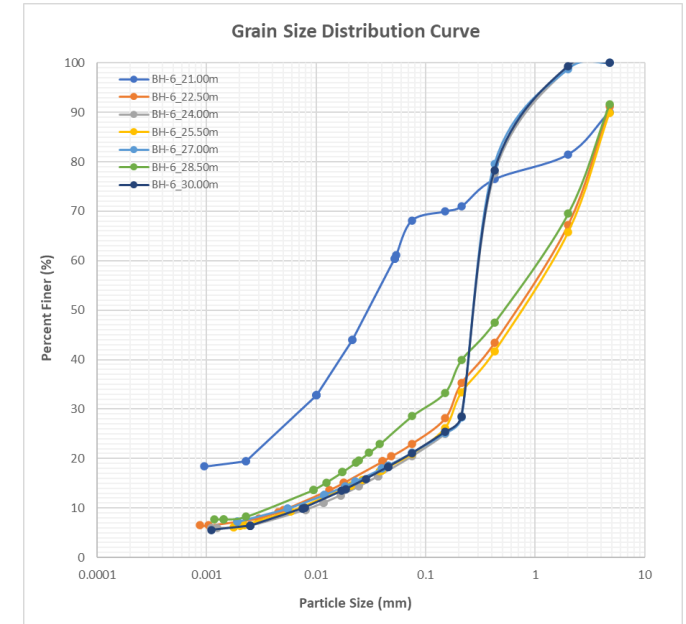
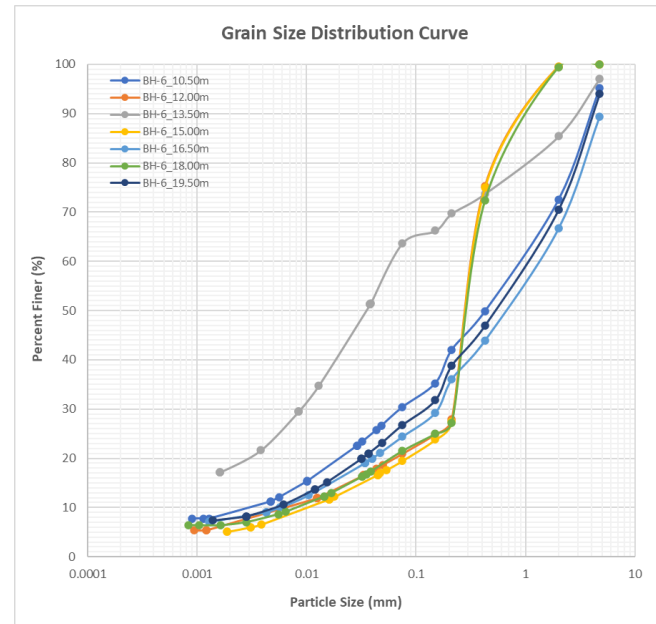
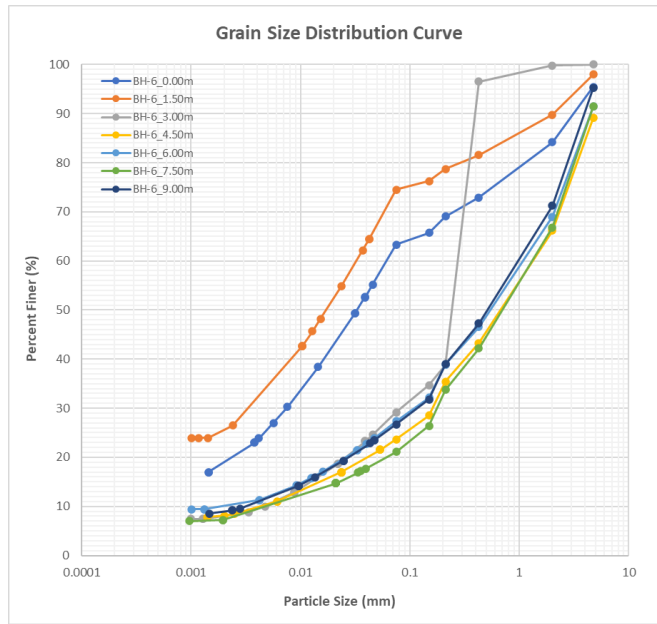


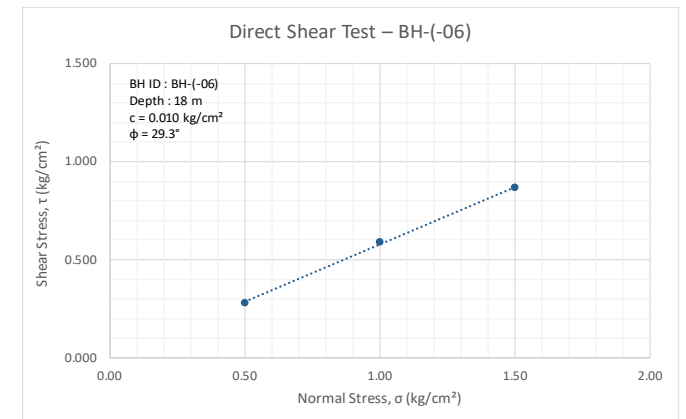
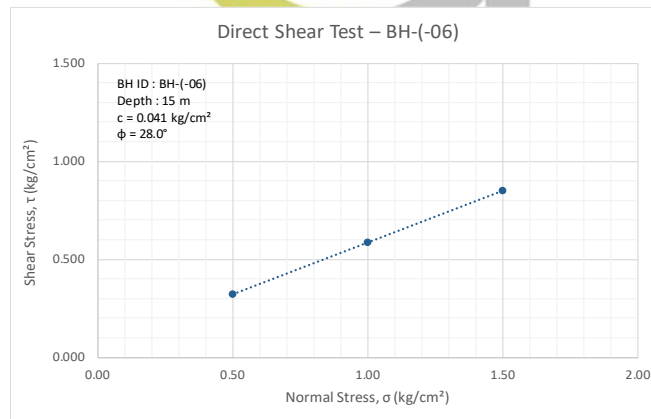
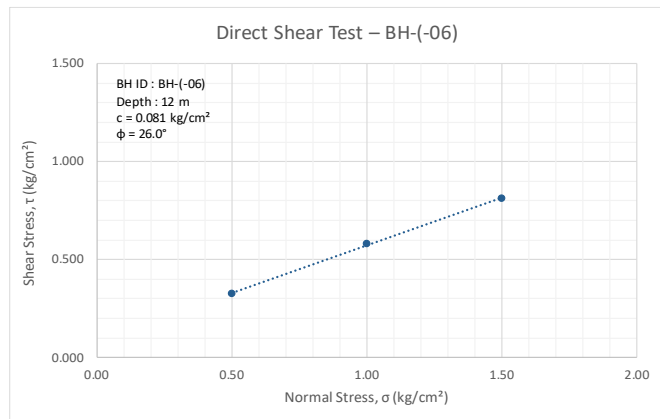
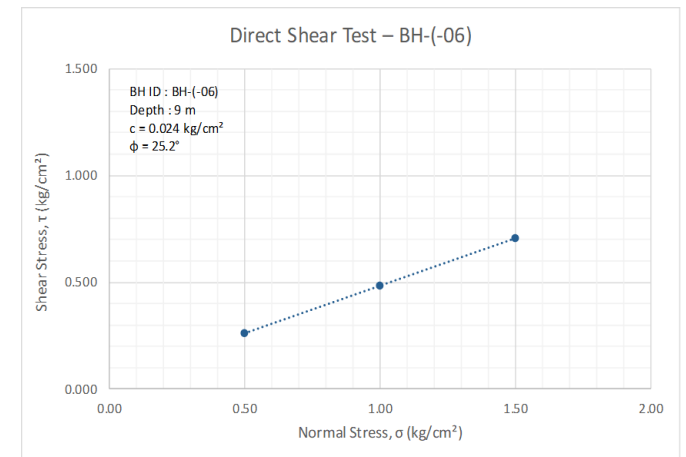
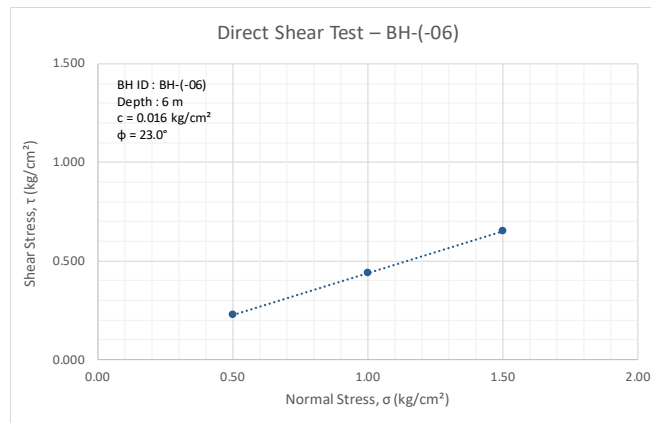
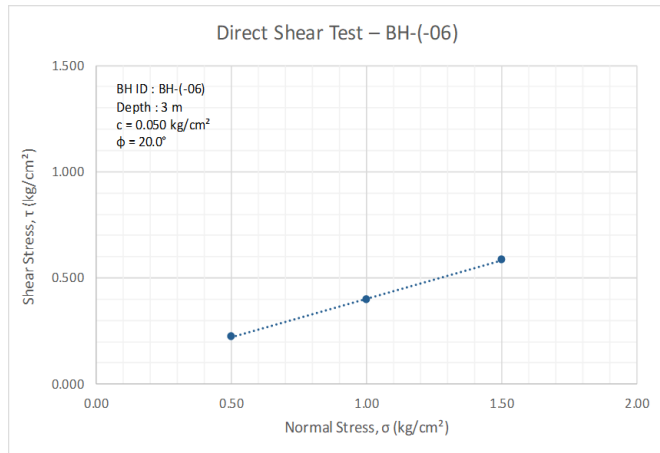


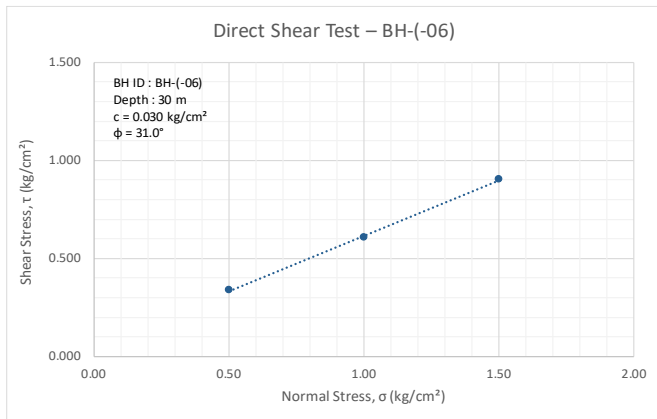
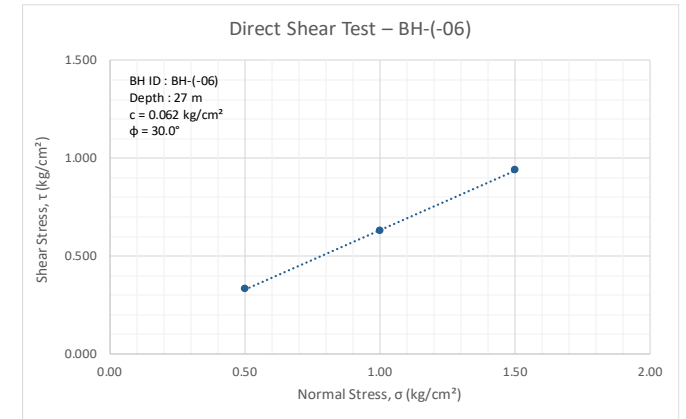
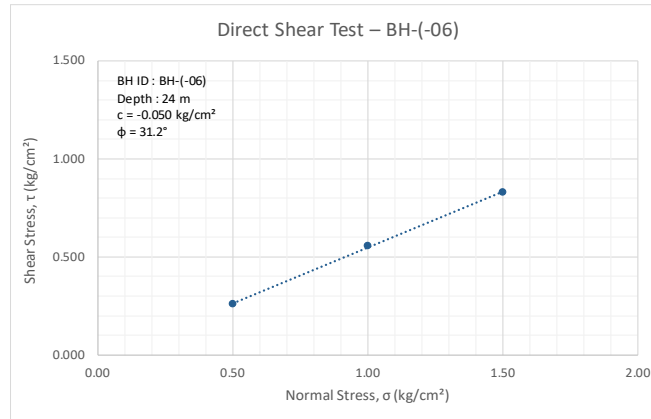
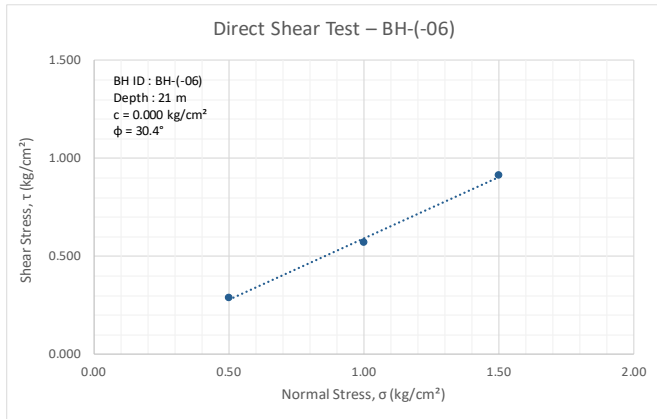
Project		Borehole Details		Drilling Details	
<b>Name of Work:</b>	Geotechnical Investigation work for Proposed Extension Metro Corridors of Aqua Line from Noida Sector-142 to Botanical Garden and Depot Station to Boraki MMTH (14.16 km) (E Tender No. NMRC/Civil/Geo. Inv./366/2025)	<b>BH ID:</b>	BH-(-06)	<b>Contractor:</b>	Goma Engineering & Consultancy
<b>Client:</b>	Noida Metro Rail Corporation (NMRC) Limited	<b>Chainage [km]:</b>	0-015	<b>Method of Drilling:</b>	Rotary Drilling
<b>Stretch:</b>	Noida Sector-142 to Botanical Garden	<b>Depth [m]:</b>	30.00	<b>Start Date:</b>	09-03-2026
<b>Project Code:</b>	158_R01_Noida Sector-142 to Botanical Garden_0-372 km TO 12+130 km	<b>Elevation [m]:</b>	198.2	<b>End Date:</b>	10-03-2026
		<b>Water table Level [m]:</b>	13.50	<b>Location:</b>	Lat. 28.562889, Long. 77.333568

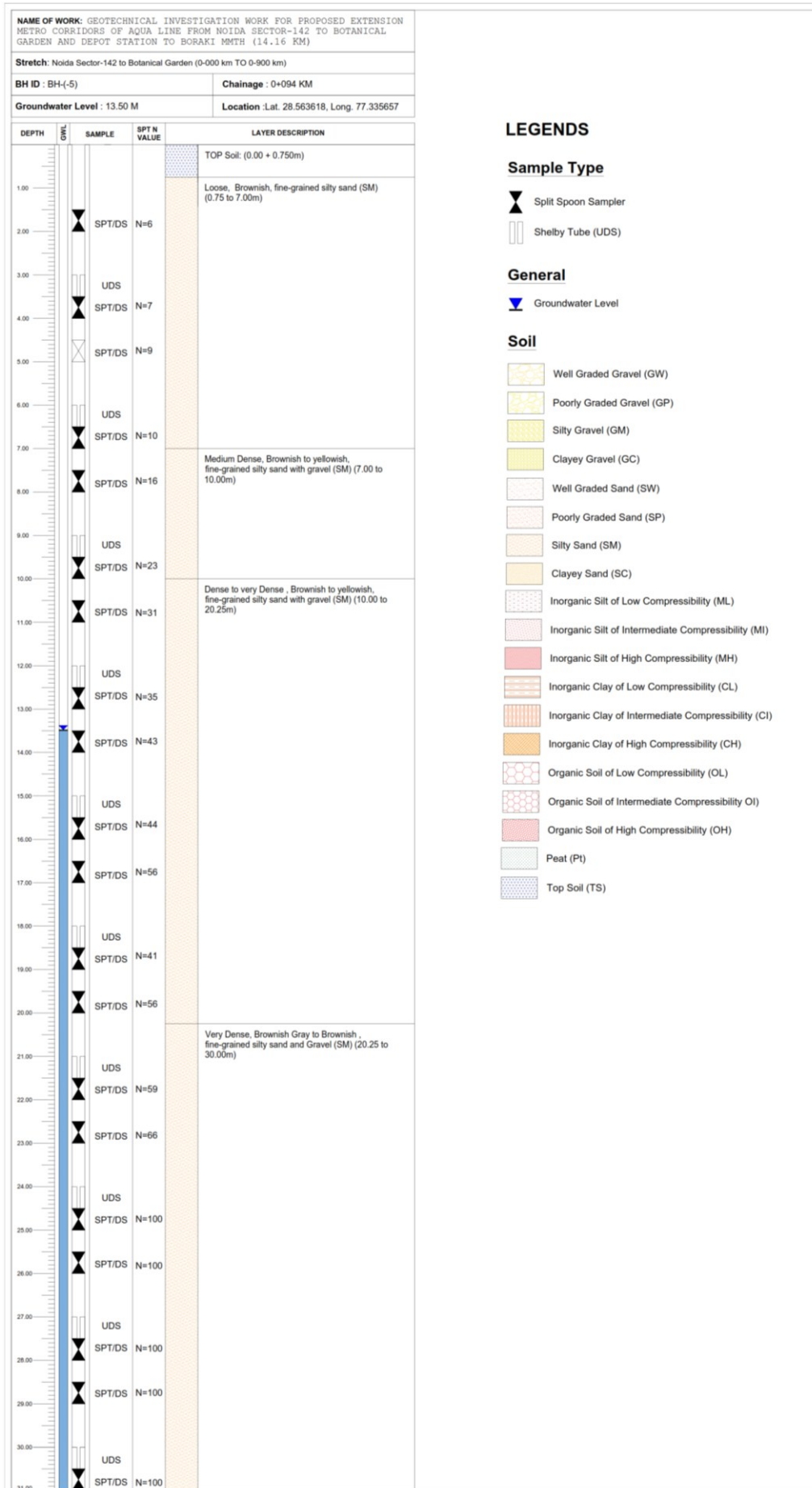
Depth [m]	Sample Type	Descriptions	SPT Test Results					Soil Particles				Atterberg Limits			Physical Characteristics				Direct Shear Test			Triaxial Comp Test			Consolidation Test		
			N1 (Seating Drive)	N2 (First Drive)	N3 (Second Drive)	Observed SPT	N (Correct N)	Gravel [%]	Sand [%]	Silt [%]	Clay [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	Moisture Content [%]	Bulk Density [gm/cm <sup>3</sup> ]	Dry Density [gm/cm <sup>3</sup> ]	Specific Gravity	Type	Cohesion [kg/cm <sup>2</sup> ]	Angle of Friction [°]	Type	Cohesion [kPa]	Angle of Friction [°]	Swelling Index	Consolidation Index	Preconsolidation Pressure [kg/cm <sup>2</sup> ]
0.00	DS	Top Soil						4.6	32.1	44.3	19.0	21	NP	NP	-	-	-	-	-	-	-	-	-	-	-	-	-
1.50	SPT/DS	Medium Stiff, Lite Brownish, fine-grained inorganic silt of low Plasticity with sand(ML)	2	2	3	5	7	2.0	23.5	48.9	25.6	23	NP	NP	-	-	-	-	-	-	-	-	-	-	-	-	-
3.00	UDS							0.0	70.8	21.1	8.1	26	NP	NP	16.32	1.86	1.60	2.63	F	0.05	20	UU	9	26	-	-	-
3.50	SPT/DS		2	3	4	7	8																				
4.50	SPT/DS	Loose to Medium Dense, Brownish to dark brownish, fine-grained silty sand (SM)	3	4	5	9	9	10.9	65.5	15.5	8.1	25	NP	NP	-	-	-	-	-	-	-	-	-	-	-	-	-
6.00	DS							8.6	64.1	17.2	10.1	26	NP	NP	17.60	-	-	2.61	F	0.02	23	-	-	-	-	-	-
6.50	SPT/DS		4	5	7	12	11																				
7.50	SPT/DS		3	7	9	16	15	8.6	70.3	13.8	7.3	22	NP	NP	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	UDS							4.8	68.6	17.7	8.9	28	NP	NP	18.53	1.93	1.63	2.63	F	0.02	25	UU	8	27	-	-	-
9.50	SPT/DS		7	9	10	19	16																				
10.50	SPT/DS		10	13	15	28	23	4.8	64.8	21.5	8.9	21	NP	NP	-	-	-	-	-	-	-	-	-	-	-	-	-
12.00	DS	Hard, Dark Brownish, fine-grained inorganic silt of low Plasticity with sand(ML)						0.0	79.1	14.1	6.8	21	NP	NP	18.58	-	-	2.76	F	0.08	26	-	-	-	-	-	-
12.50	SPT/DS		13	17	20	37	28																				
13.50	SPT/DS		15	19	23	42	23	2.9	33.3	45.4	18.3	23	NP	NP	-	-	-	-	-	-	-	-	-	-	-	-	-
15.00	DS	Very Dense, Dark Grayish, fine-grained silty sand (SM)						0.0	80.5	14.3	5.2	28	NP	NP	17.94	-	-	2.74	F	0.04	28	-	-	-	-	-	-
15.50	SPT/DS		20	25	30	55	26																				
16.50	SPT/DS		23	27	34	61	28	10.6	65.0	16.6	7.8	29	NP	NP	-	-	-	-	-	-	-	-	-	-	-	-	-
18.00	DS							0.0	78.5	14.8	6.7	24	NP	NP	16.99	-	-	2.67	F	0.01	29	-	-	-	-	-	-
18.50	SPT/DS		25	31	36	67	29																				
19.50	SPT/DS		29	35	40	75	32	6.0	67.2	19.0	7.8	25	NP	NP	-	-	-	-	-	-	-	-	-	-	-	-	-
21.00	DS							9.9	21.9	48.8	19.3	27	NP	NP	21.47	-	-	2.71	F	0.00	30	-	-	-	-	-	-
21.50	SPT/DS	Very Dense, Gray Brownish, fine-grained silty sand (SM)	20	25	30	55	25																				
22.50	SPT/DS		24	29	34	63	27	8.9	68.1	15.7	7.4	26	NP	NP	-	-	-	-	-	-	-	-	-	-	-	-	-
24.00	DS							0.0	79.5	14.2	6.3	28	NP	NP	15.64	-	-	2.64	F	0.00	31	-	-	-	-	-	-
24.50	SPT/DS		35	(50/12 cm)	-	100	37																				
25.50	SPT/DS		42	(50/10 cm)	-	100	37	10.1	69.0	14.5	6.4	23	NP	NP	-	-	-	-	-	-	-	-	-	-	-	-	-
27.00	DS							0.0	78.8	13.8	7.3	24	NP	NP	14.85	-	-	2.69	F	0.06	30	-	-	-	-	-	-
27.50	SPT/DS		44	(50/9 cm)	-	100	36																				
28.50	SPT/DS		(50/13 cm)	-	-	100	35	8.4	63.0	20.5	8.1	23	NP	NP	-	-	-	-	-	-	-	-	-	-	-	-	-
30.00	DS							0.0	78.9	14.9	6.2	28	NP	NP	14.77	-	-	2.63	F	0.03	31	-	-	-	-	-	-
30.50	SPT/DS		(50/11 cm)	-	-	100	34																				

**Notations:** UDS = Undisturbed Sample, DS = Disturbed Sample, RC = Rock Core, F = Fast, S = Slow, UU = Unconsolidated Undrained Tri-axial compression Test, NP = Non Plastic.

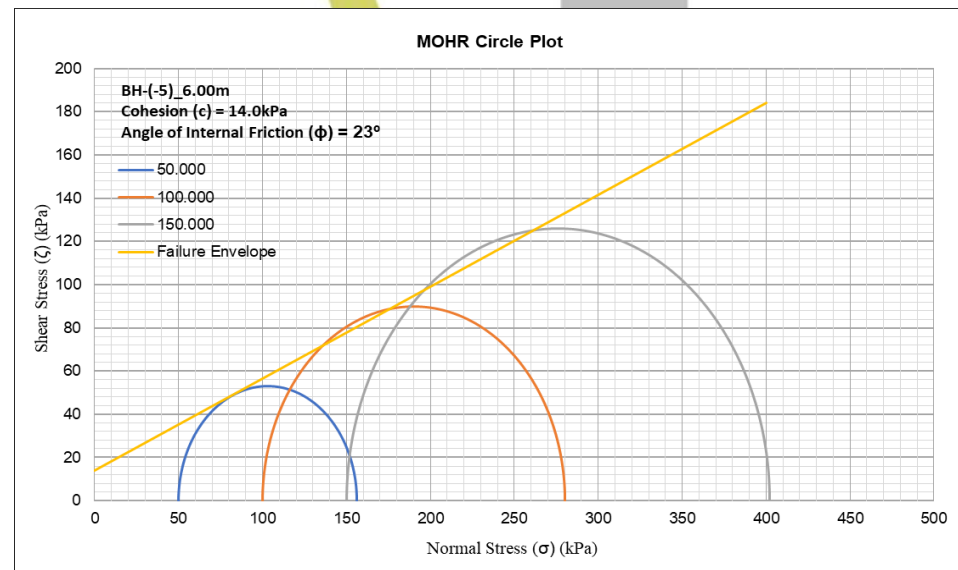
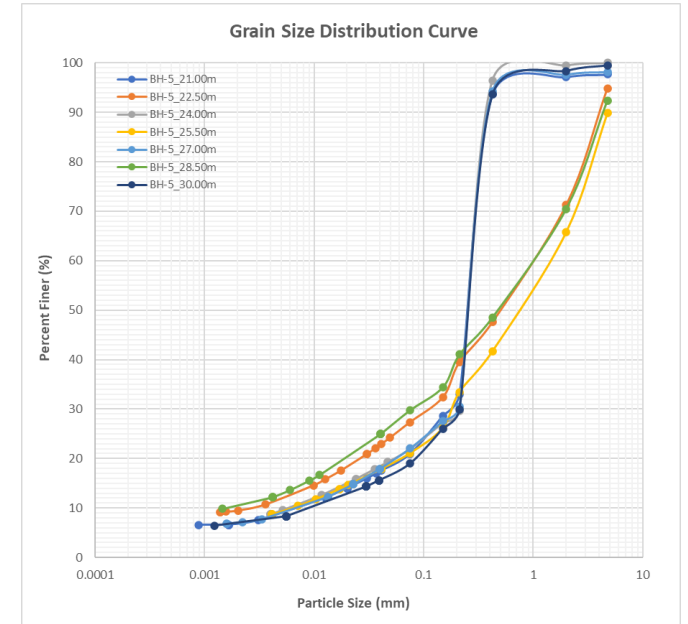
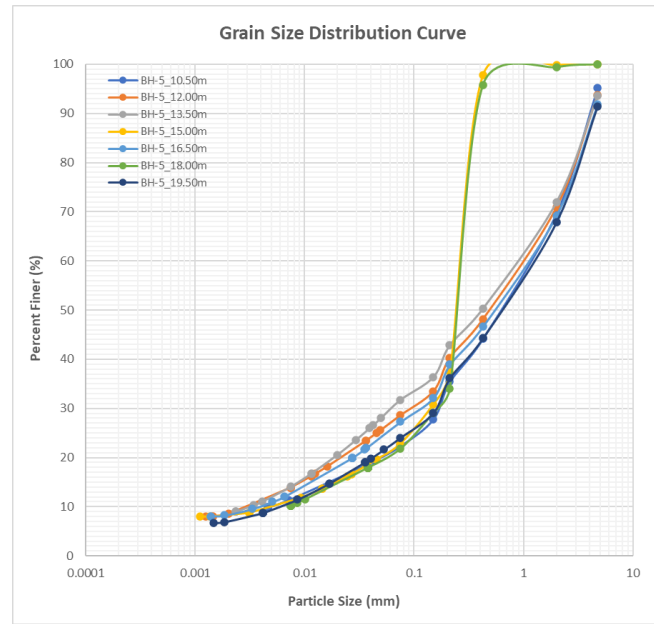
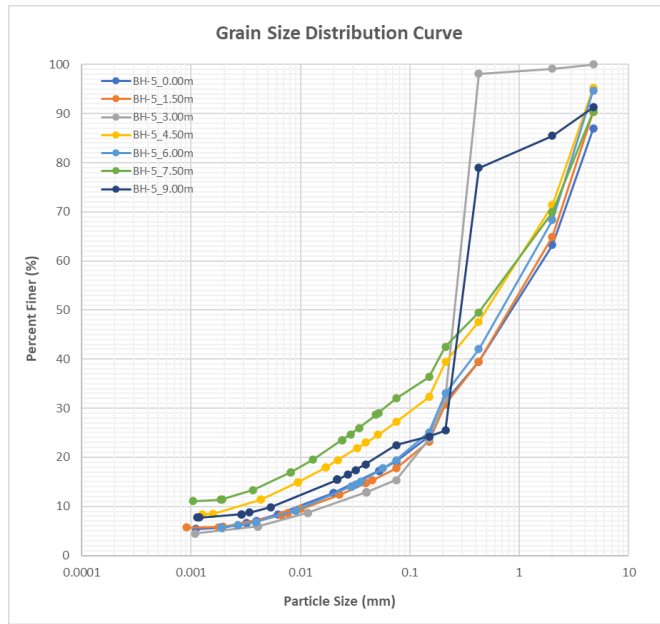


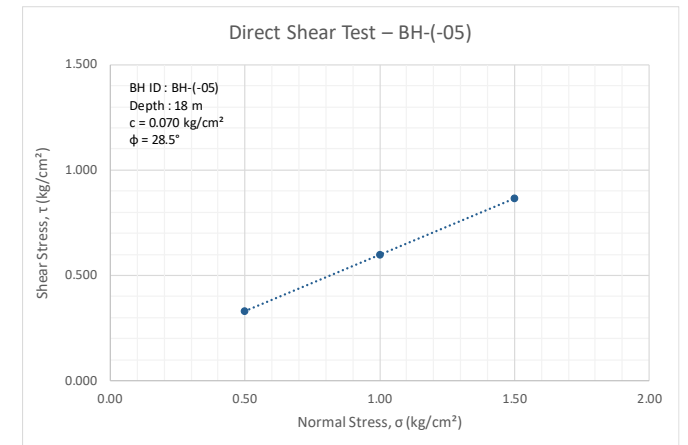
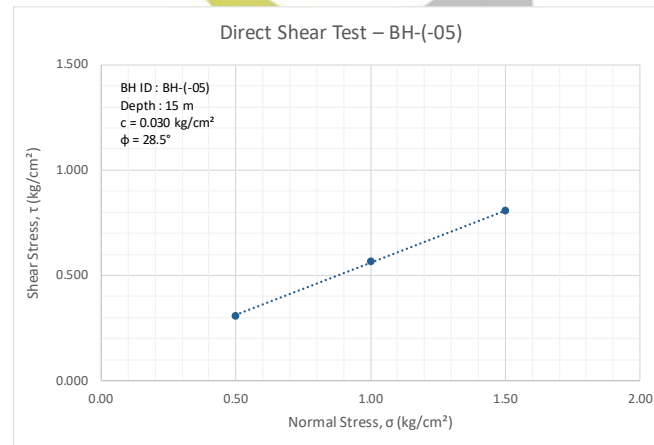
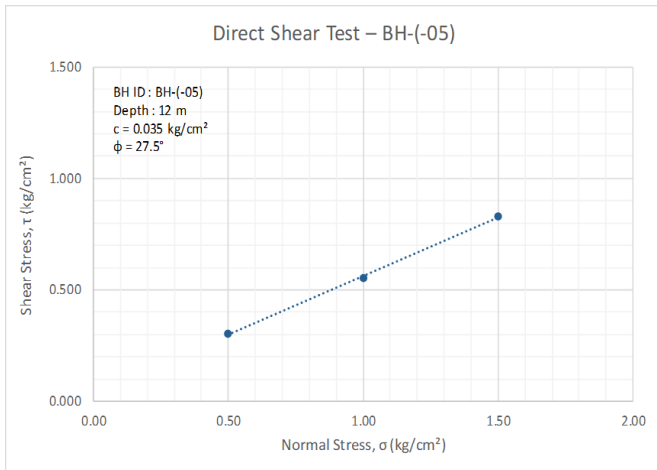
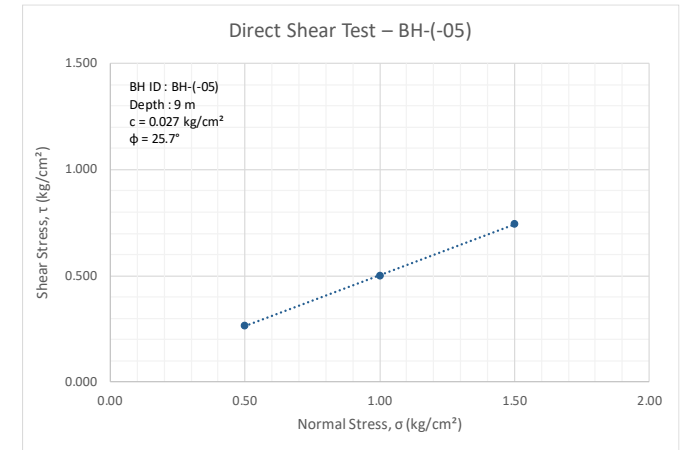
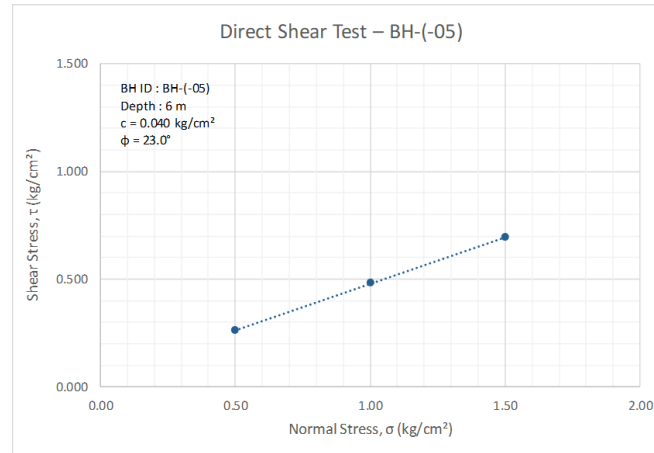
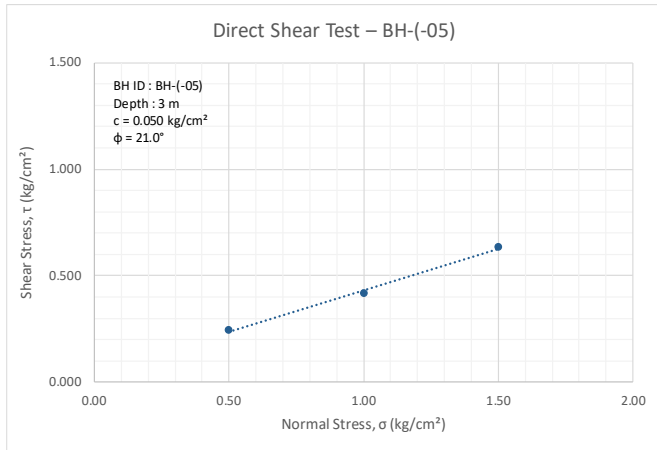


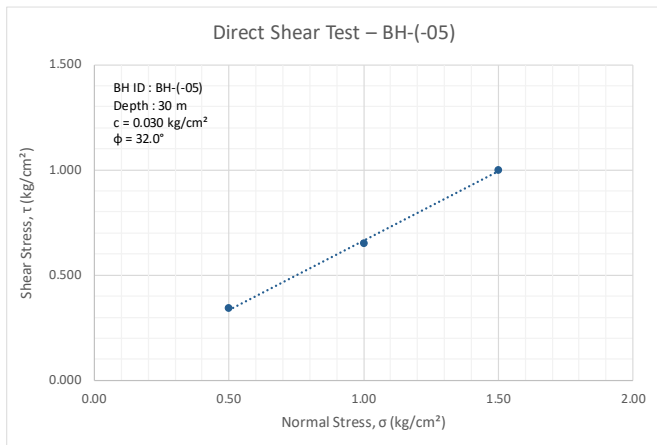
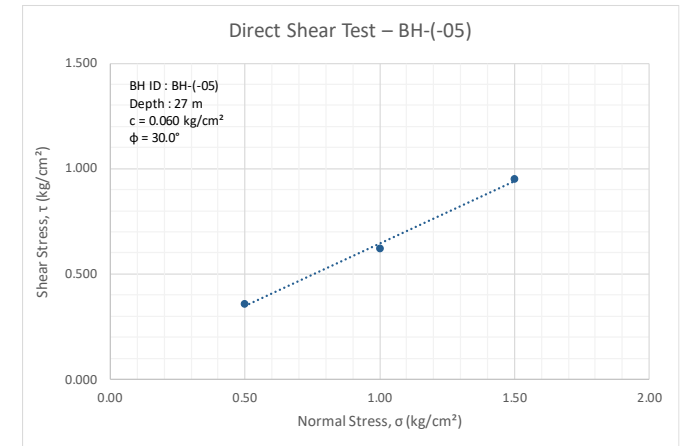
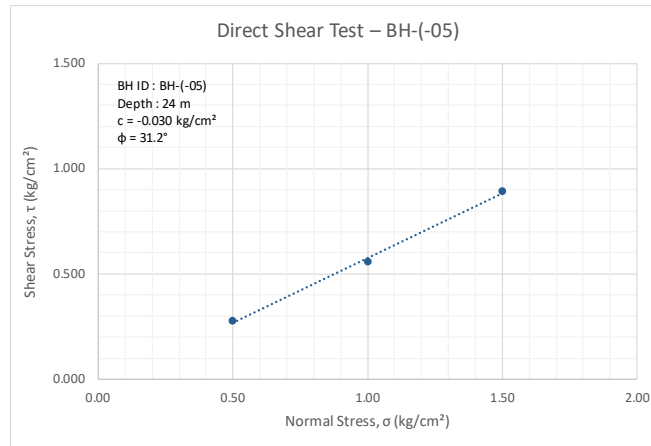
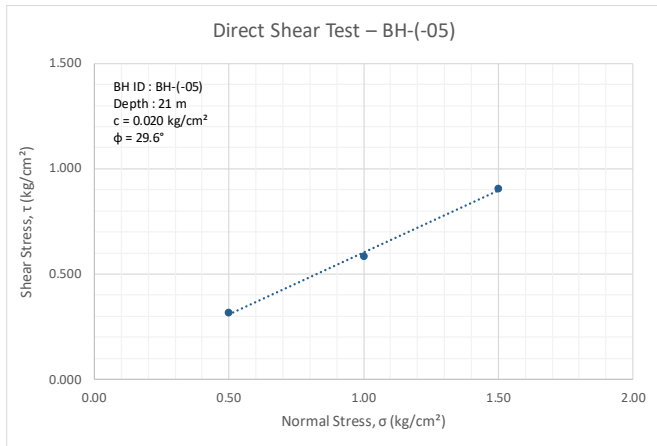


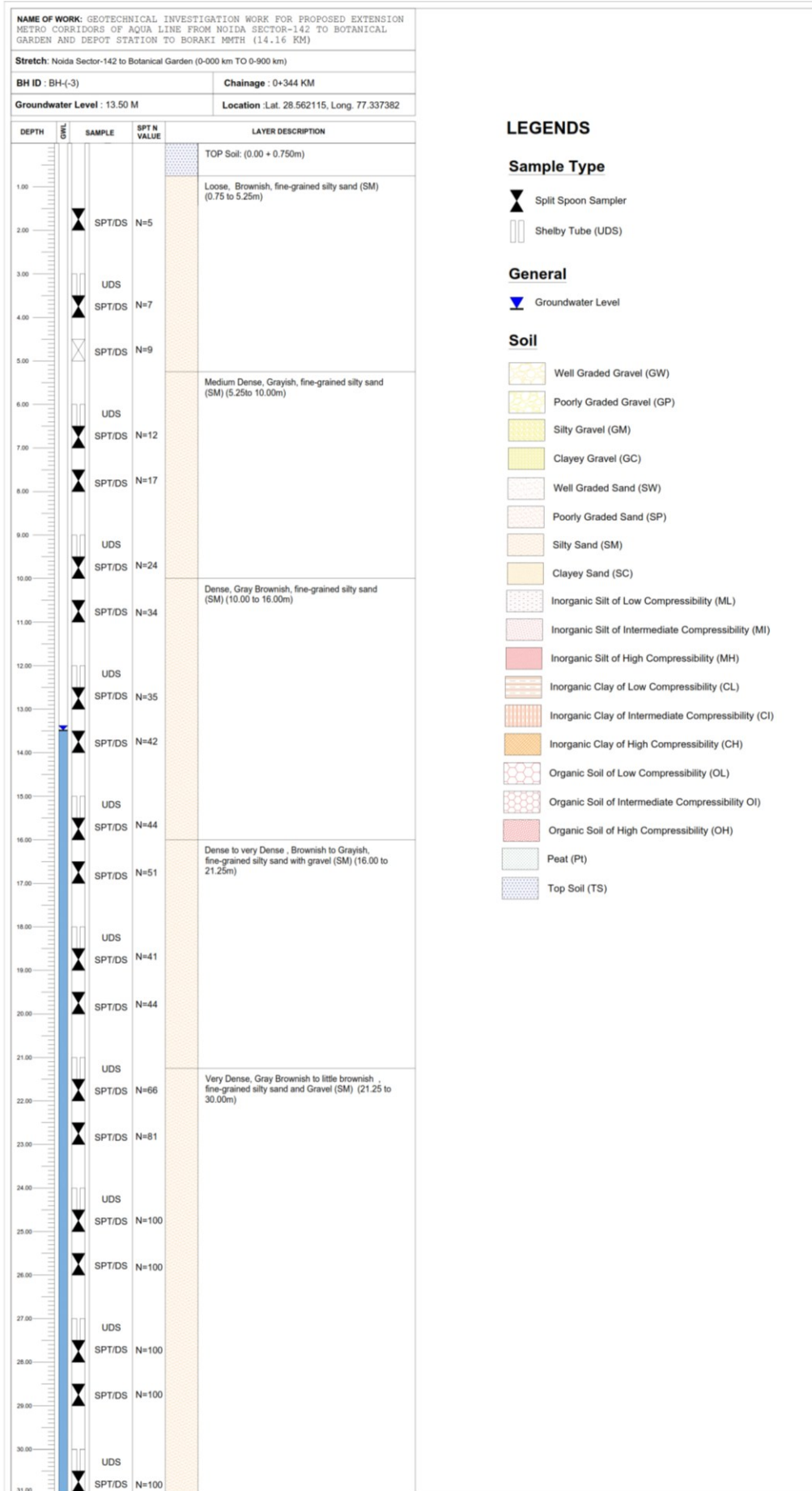










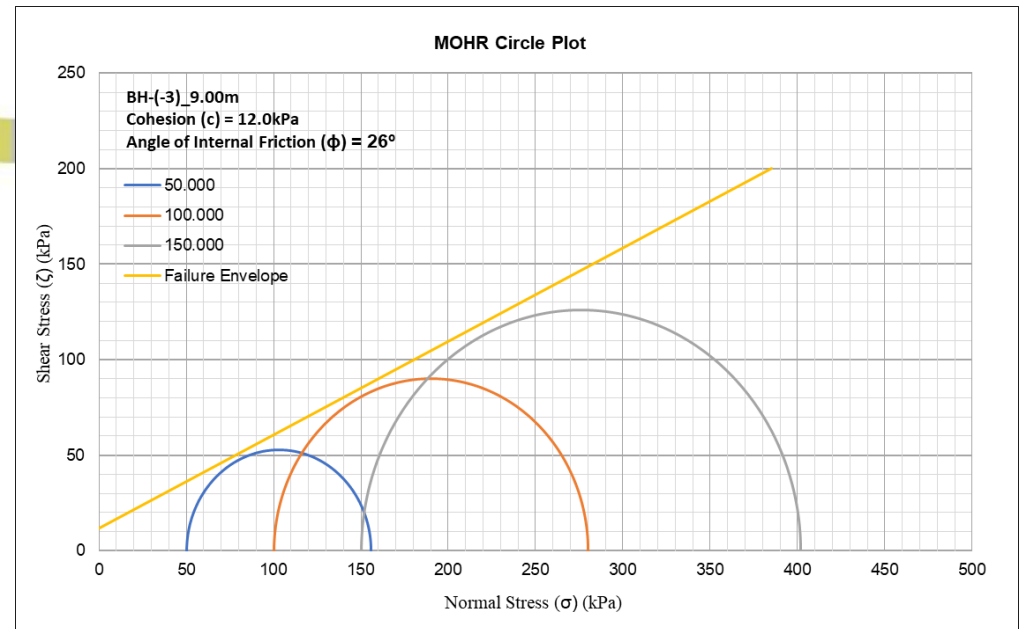
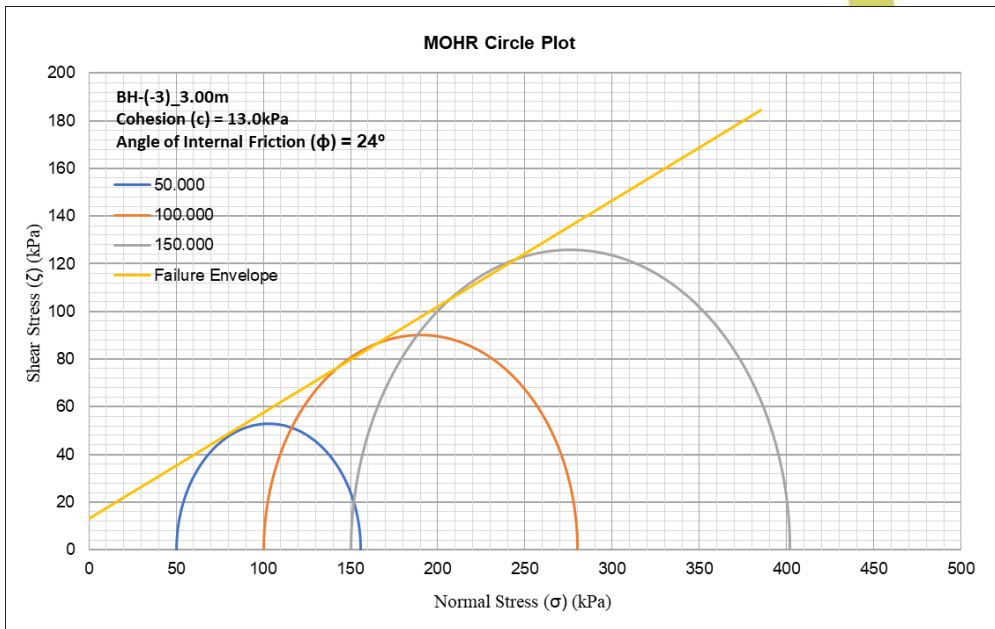
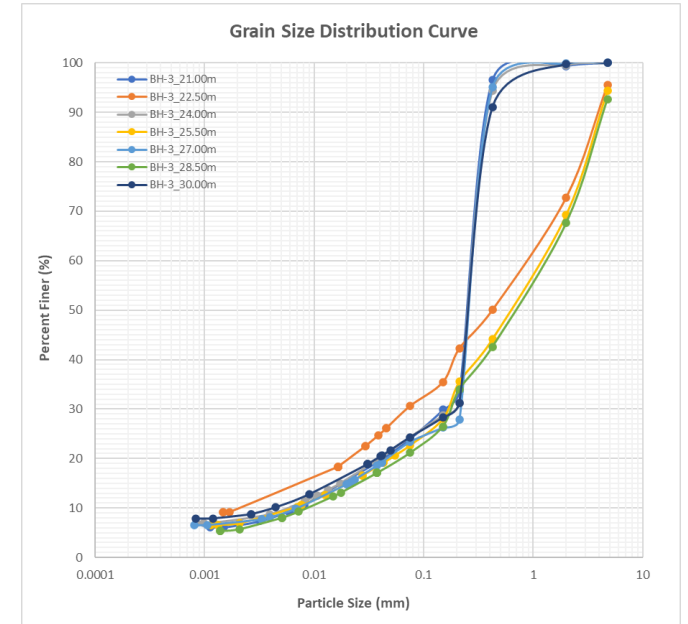
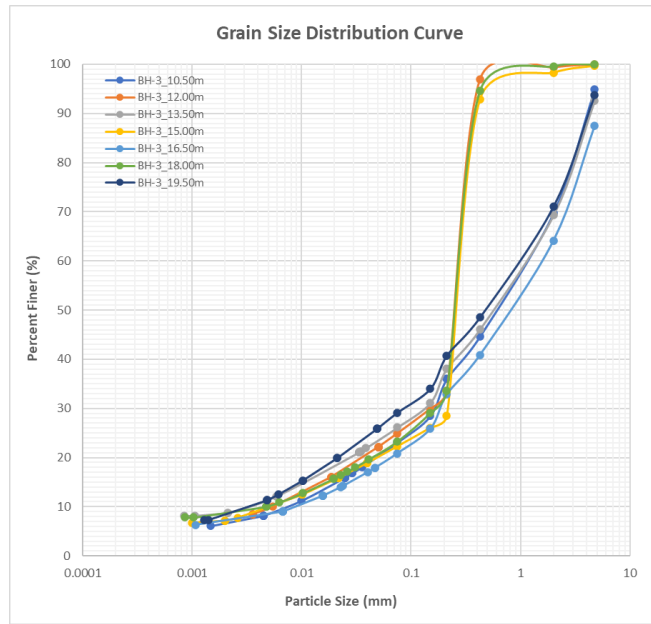
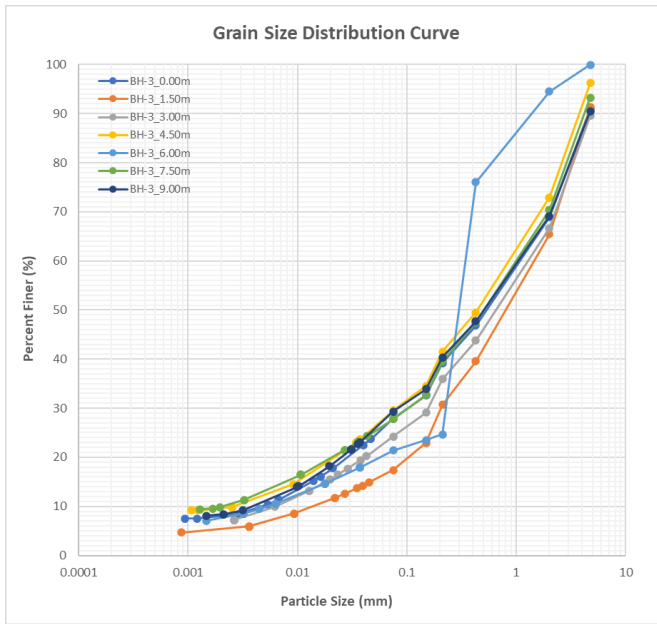


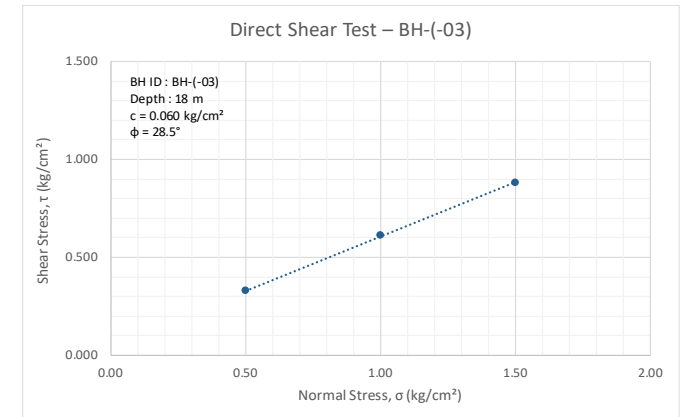
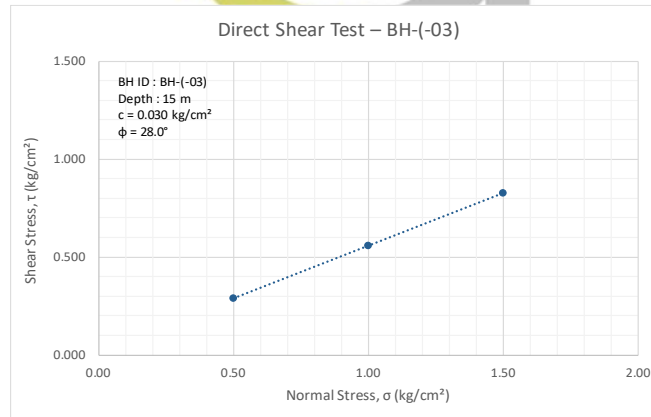
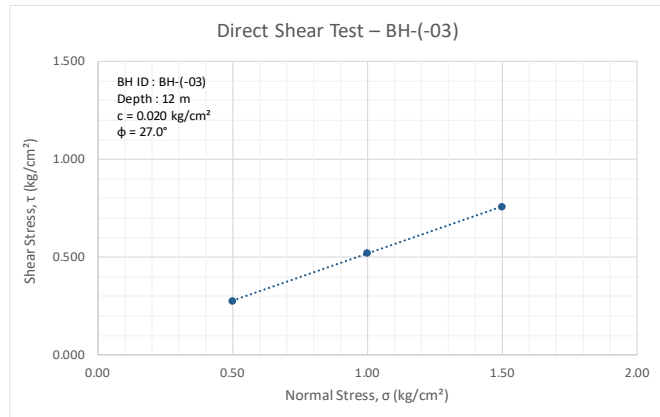
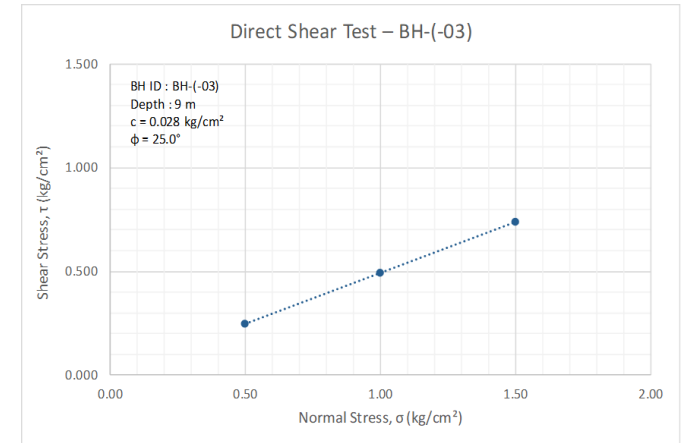
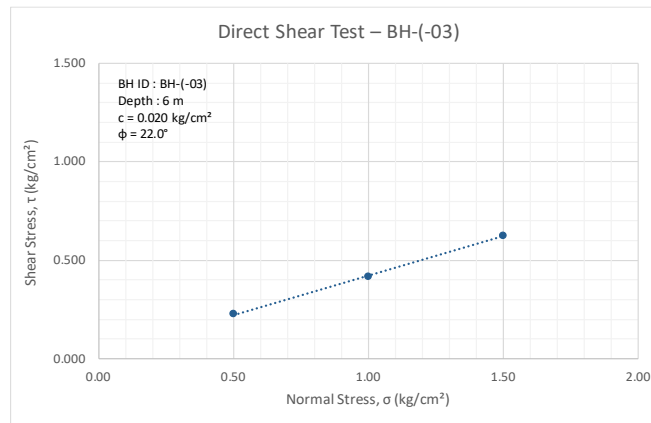
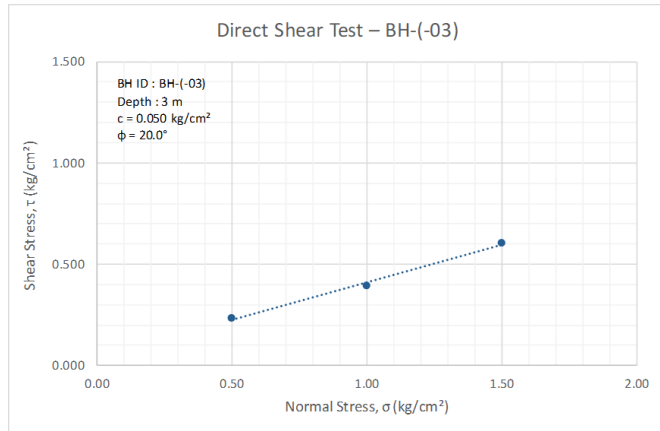


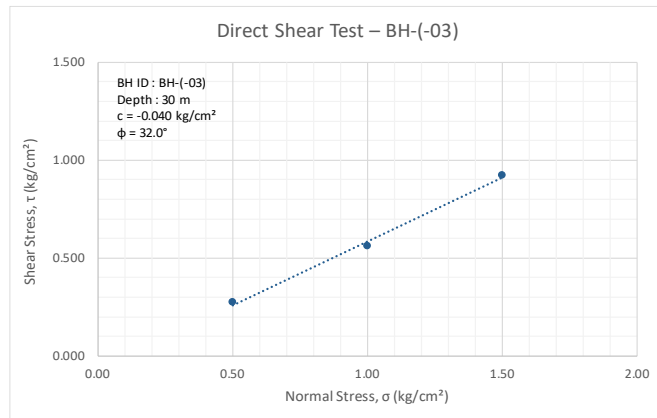
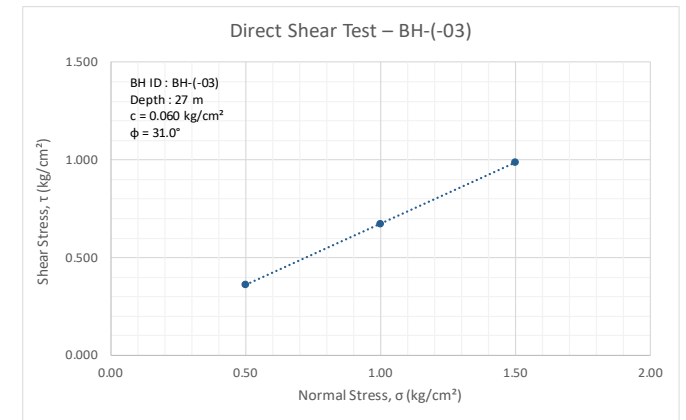
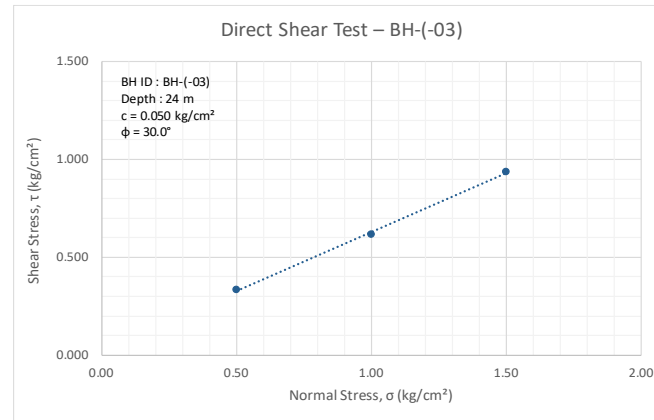
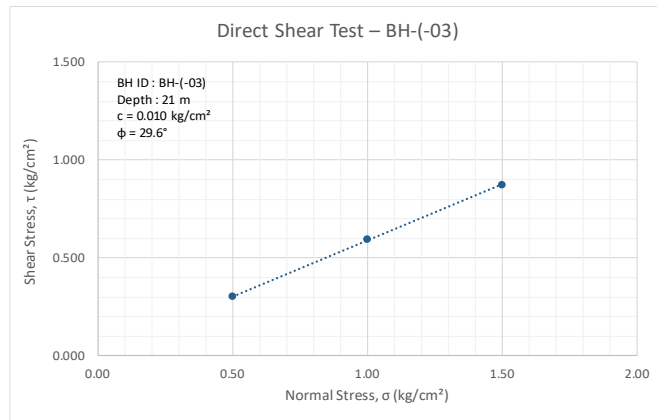
Project		Borehole Details		Drilling Details	
<b>Name of Work:</b>	Geotechnical Investigation work for Proposed Extension Metro Corridors of Aqua Line from Noida Sector-142 to Botanical Garden and Depot Station to Boraki MMTH (14.16 km) (E Tender No. NMRC/Civil/Geo. Inv./366/2025)	<b>BH ID:</b>	BH-(-03)	<b>Contractor:</b>	Goma Engineering & Consultancy
<b>Client:</b>	Noida Metro Rail Corporation (NMRC) Limited	<b>Chainage [km]:</b>	0+344	<b>Method of Drilling:</b>	Rotary Drilling
<b>Stretch:</b>	Noida Sector-142 to Botanical Garden	<b>Depth [m]:</b>	30.00	<b>Start Date:</b>	14-03-2026
<b>Project Code:</b>	158_R01_Noida Sector-142 to Botanical Garden_0-372 km TO 12+130 km	<b>Elevation [m]:</b>	197.7	<b>End Date:</b>	14-03-2026
		<b>Water table Level [m]:</b>	13.50	<b>Location:</b>	Lat. 28.562119, Long. 77.337383

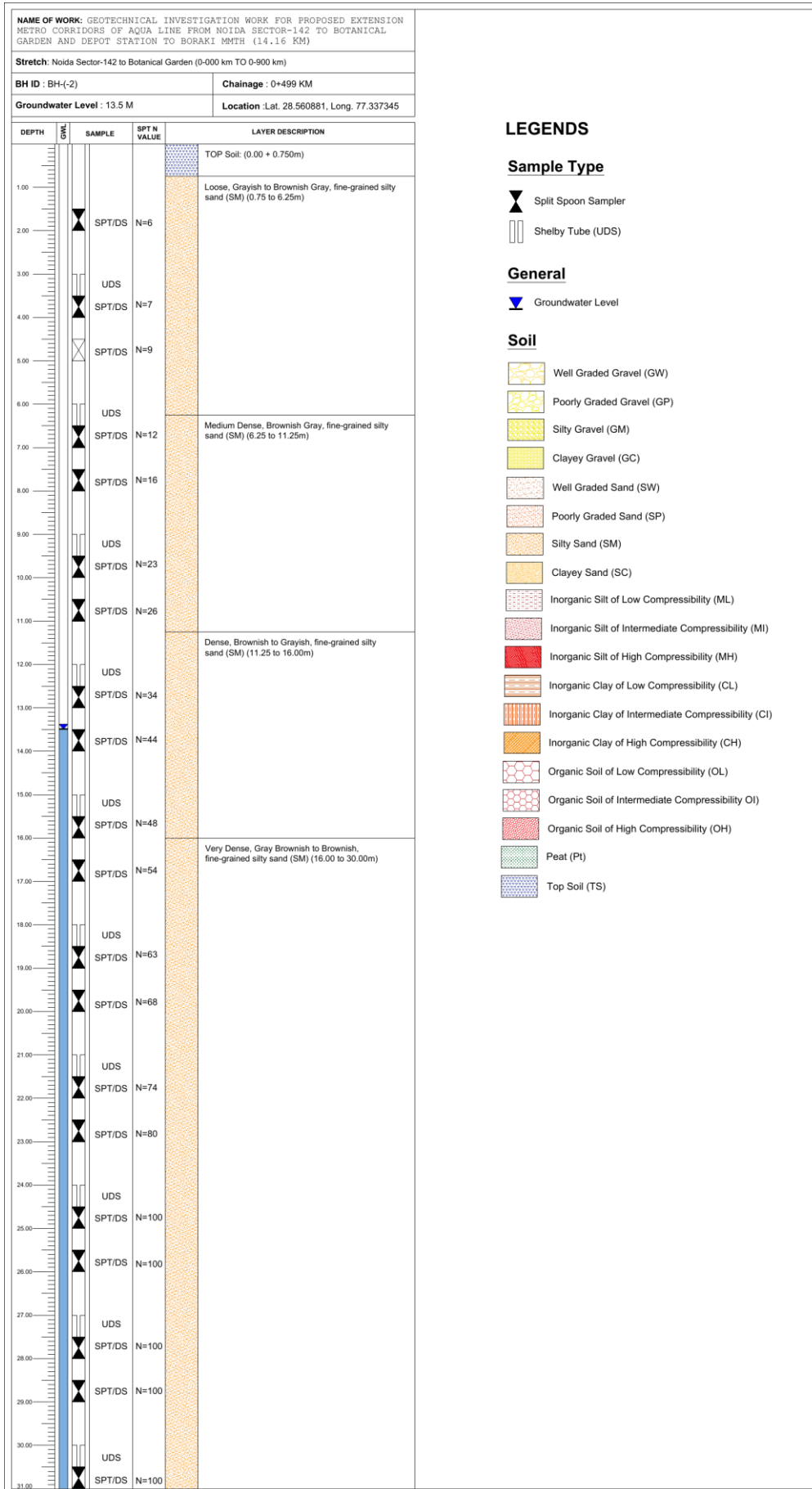
Depth [m]	Sample Type	Descriptions	SPT Test Results					Soil Particles				Atterberg Limits			Physical Characteristics				Direct Shear Test			Triaxial Comp Test			Consolidation Test		
			N1 (Seating Drive)	N2 (First Drive)	N3 (Second Drive)	Observed SPT	N (Correct N)	Gravel [%]	Sand [%]	Silt [%]	Clay [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	Moisture Content [%]	Bulk Density [gm/cm <sup>3</sup> ]	Dry Density [gm/cm <sup>3</sup> ]	Specific Gravity	Type	Cohesion [kg/cm <sup>2</sup> ]	Angle of Friction [°]	Type	Cohesion [kPa]	Angle of Friction [°]	Swelling Index	Consolidation Index	Preconsolidation Pressure [kg/cm <sup>2</sup> ]
0.00	DS	Top Soil						9.0	63.1	19.8	8.0	24	NP	NP	-	-	-	-	-	-	-	-	-	-	-	-	-
1.50	SPT/DS	Loose, Brownish, fine-grained silty sand (SM)	2	2	3	5	7	8.7	73.9	12.0	5.4	27	NP	NP	-	-	-	-	-	-	-	-	-	-	-	-	-
3.00	UDS							10.5	65.3	23.2	1.0	24	NP	NP	14.9	1.85	1.61	2.62	F	0.05	20	UU	13	24	-	-	-
3.50	SPT/DS		2	3	4	7	8																				
4.50	SPT/DS	3	4	5	9	9	3.8	66.7	19.9	9.6	21	NP	NP	-	-	-	-	-	-	-	-	-	-	-	-	-	
6.00	DS	Medium Dense, Grayish, fine-grained silty sand (SM)						0.1	78.5	13.7	7.7	29	NP	NP	17.30	-	-	2.74	F	0.02	22	-	-	-	-	-	-
6.50	SPT/DS		4	5	7	12	11																				
7.50	SPT/DS		5	7	10	17	15	6.8	65.4	17.9	9.9	23	NP	NP	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	UDS						9.5	61.2	21.0	8.3	29	NP	NP	18.33	1.87	1.58	2.69	F	0.03	25	UU	12	26	-	-	-	
9.50	SPT/DS	7	10	14	24	20																					
10.50	SPT/DS	Dense, Gray Brownish, fine-grained silty sand (SM)	10	15	19	34	28	5.1	71.8	16.4	6.7	25	NP	NP	-	-	-	-	-	-	-	-	-	-	-	-	-
12.00	DS							0.0	75.1	15.6	9.3	24	NP	NP	20.55	-	-	2.69	F	0.02	27	-	-	-	-	-	-
12.50	SPT/DS		12	15	20	35	26																				
13.50	SPT/DS	14	19	23	42	30	7.5	66.4	17.5	8.7	23	NP	NP	-	-	-	-	-	-	-	-	-	-	-	-	-	
15.00	DS						0.3	77.4	15.1	7.2	27	NP	NP	18.87	-	-	2.65	F	0.03	28	-	-	-	-	-	-	
15.50	SPT/DS	15	20	24	44	22																					
16.50	SPT/DS	Dense to very Dense, Brownish to Grayish, fine-grained silty sand with gravel (SM)	17	22	29	51	25	12.5	66.7	13.6	7.2	23	NP	NP	-	-	-	-	-	-	-	-	-	-	-	-	-
18.00	DS							0.0	76.7	14.5	8.8	28	NP	NP	32.57	-	-	2.62	F	0.06	29	-	-	-	-	-	-
18.50	SPT/DS		12	19	22	41	21																				
19.50	SPT/DS	15	20	24	44	21	6.3	64.6	20.7	8.5	21	NP	NP	-	-	-	-	-	-	-	-	-	-	-	-	-	
21.00	DS						0.0	76.0	17.4	6.6	27	NP	NP	20.20	-	-	2.73	F	0.01	30	-	-	-	-	-	-	
21.50	SPT/DS	24	30	36	66	28																					
22.50	SPT/DS	30	37	44	81	32	4.5	64.9	20.7	9.9	28	NP	NP	-	-	-	-	-	-	-	-	-	-	-	-	-	
24.00	DS						0.0	75.7	16.6	7.8	23	NP	NP	19.12	-	-	2.66	F	0.05	30	-	-	-	-	-	-	
24.50	SPT/DS	40	(50/13 cm)	-	100	37																					
25.50	SPT/DS	46	(50/11 cm)	-	100	36	5.7	71.7	15.8	6.9	24	NP	NP	-	-	-	-	-	-	-	-	-	-	-	-	-	
27.00	DS						0.0	76.7	16.2	7.2	26	NP	NP	19.91	-	-	2.64	F	0.06	31	-	-	-	-	-	-	
27.50	SPT/DS	48	(50/8 cm)	-	100	36																					
28.50	SPT/DS	(50/12 cm)	-	-	100	35	7.3	71.5	15.5	5.7	23	NP	NP	-	-	-	-	-	-	-	-	-	-	-	-	-	
30.00	DS						0.0	75.7	15.9	8.4	24	NP	NP	21.62	-	-	2.77	F	0.00	32	-	-	-	-	-	-	
30.50	SPT/DS	(50/10 cm)	-	-	100	34																					

**Notations:** UDS = Undisturbed Sample, DS = Disturbed Sample, RC = Rock Core, F = Fast, S = Slow, UU = Unconsolidated Undrained Tri-axial compression Test, NP = Non Plastic.









**LEGENDS**

**Sample Type**

- Split Spoon Sampler
- Shelby Tube (UDS)

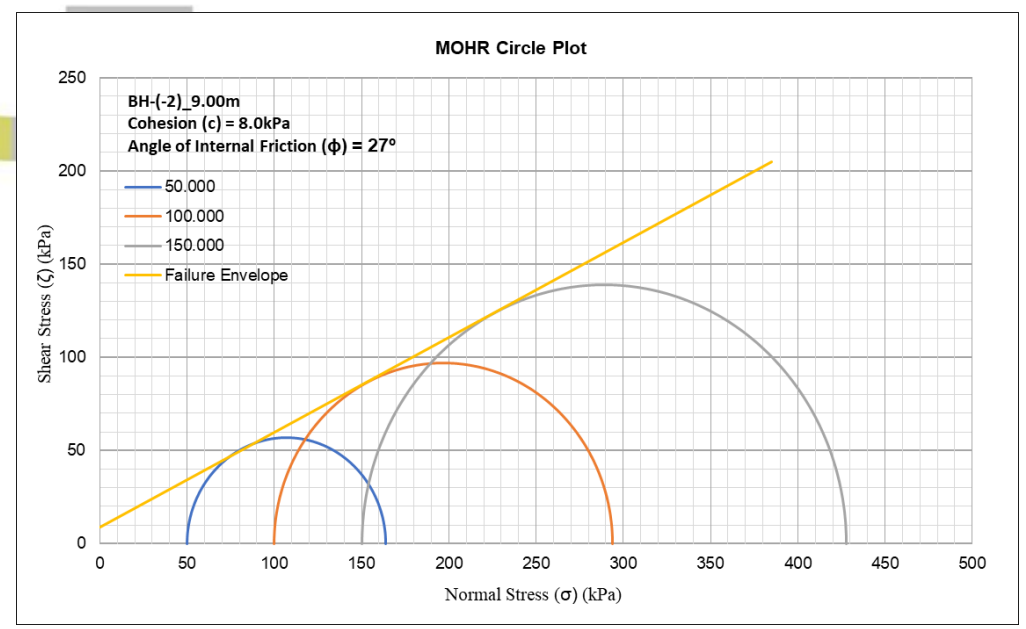
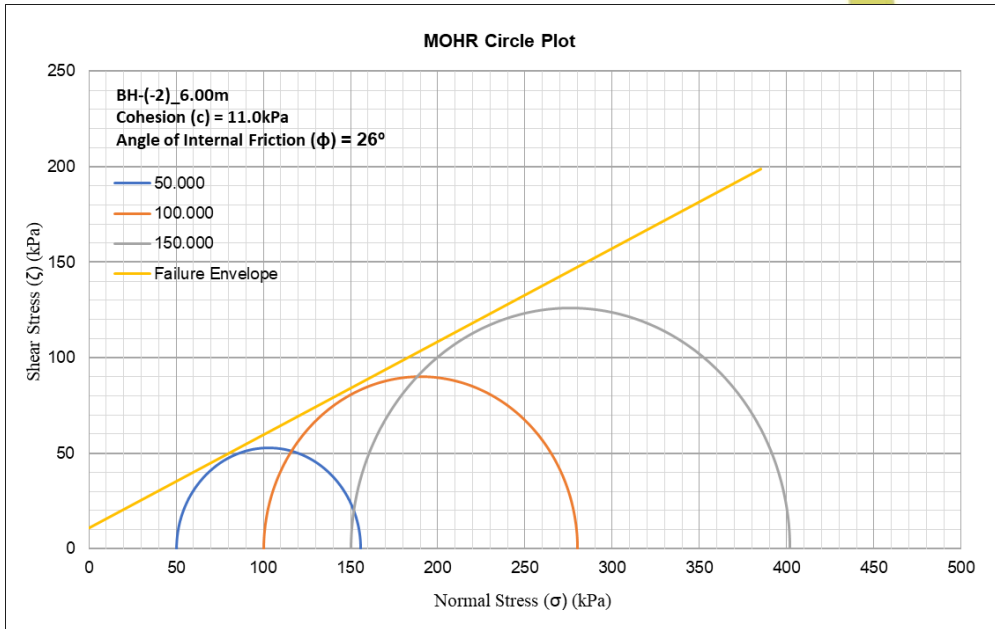
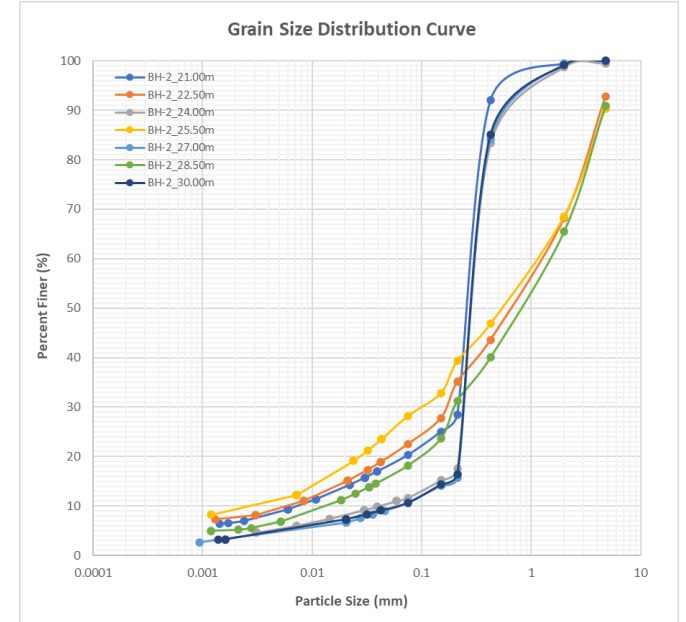
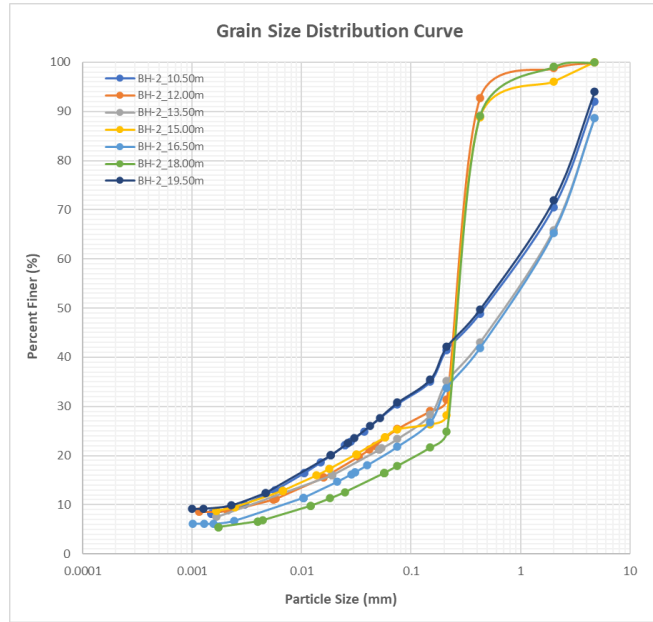
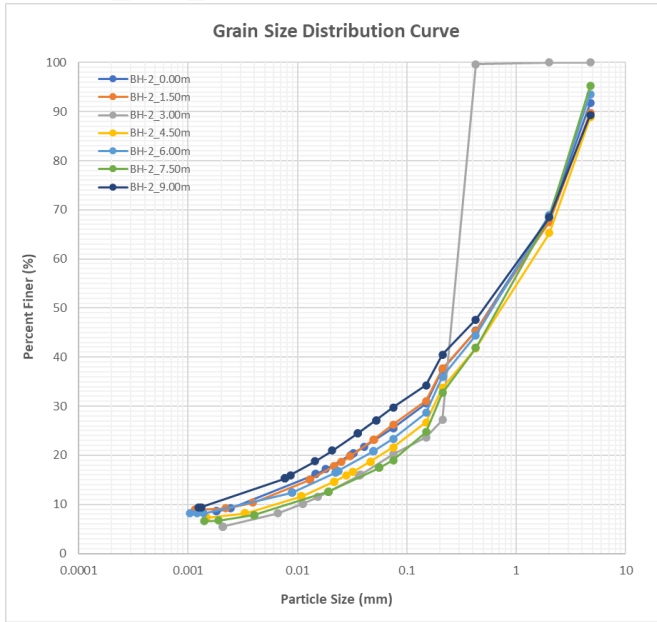
**General**

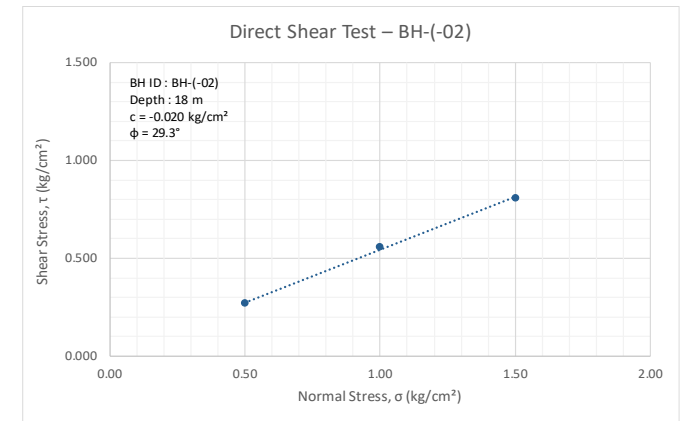
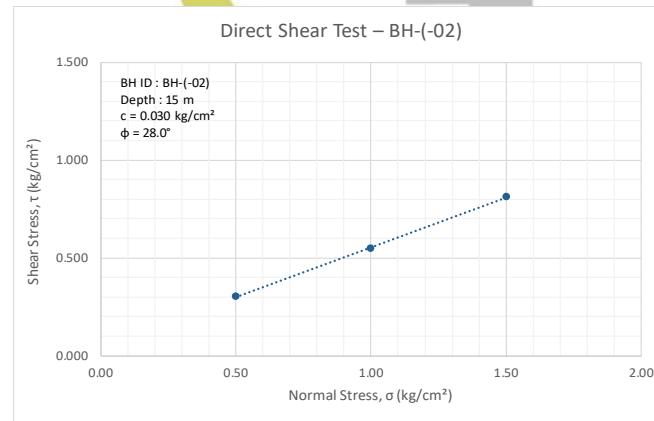
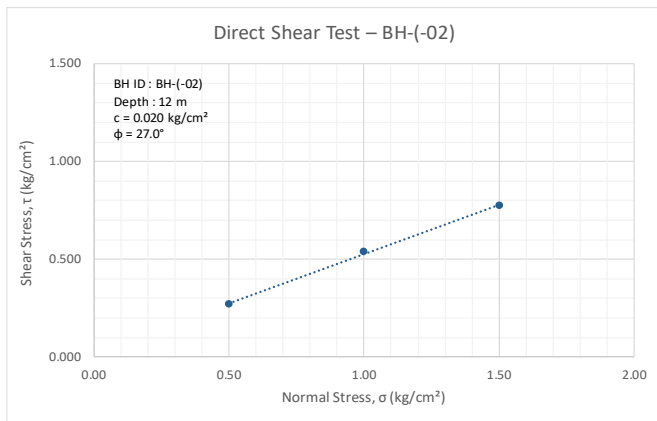
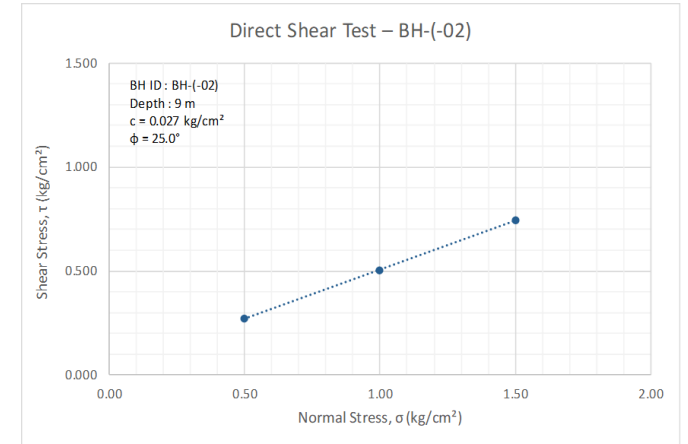
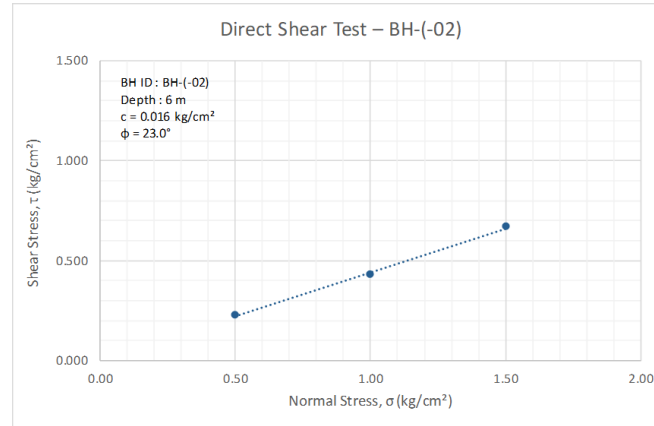
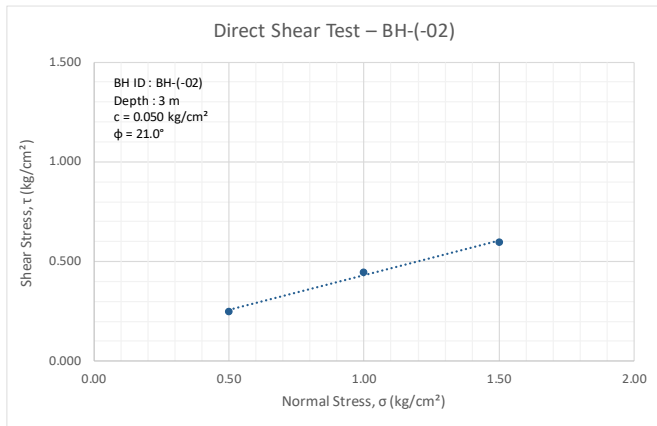
- Groundwater Level

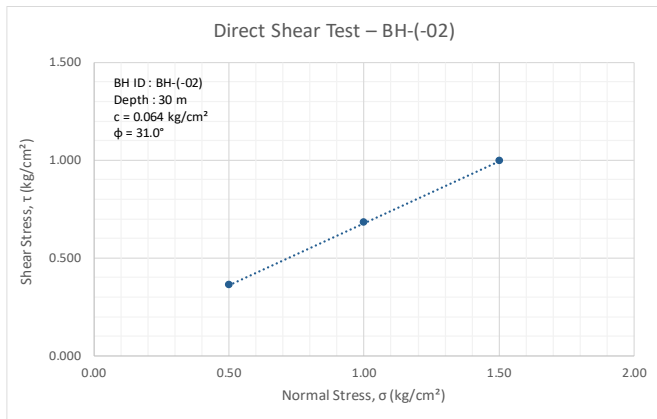
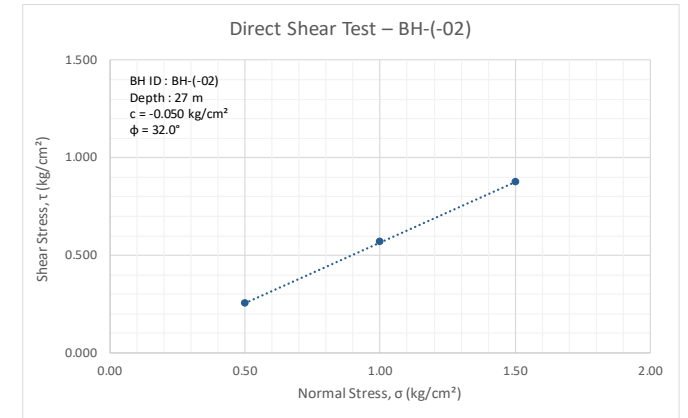
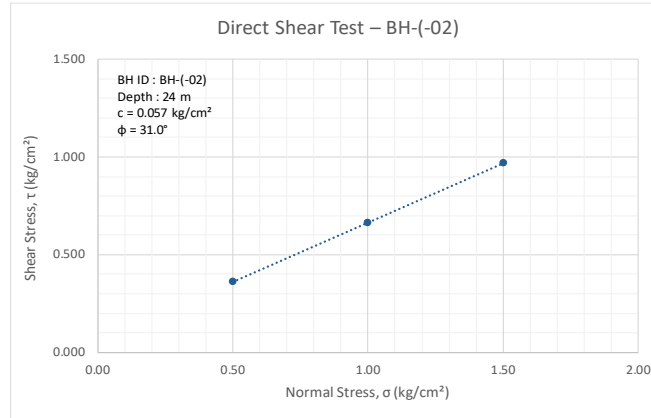
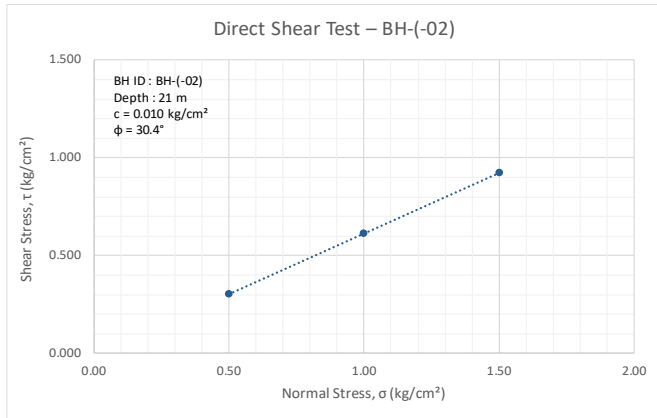
**Soil**

- Well Graded Gravel (GW)
- Poorly Graded Gravel (GP)
- Silty Gravel (GM)
- Clayey Gravel (GC)
- Well Graded Sand (SW)
- Poorly Graded Sand (SP)
- Silty Sand (SM)
- Clayey Sand (SC)
- Inorganic Silt of Low Compressibility (ML)
- Inorganic Silt of Intermediate Compressibility (MI)
- Inorganic Silt of High Compressibility (MH)
- Inorganic Clay of Low Compressibility (CL)
- Inorganic Clay of Intermediate Compressibility (CI)
- Inorganic Clay of High Compressibility (CH)
- Organic Soil of Low Compressibility (OL)
- Organic Soil of Intermediate Compressibility (OI)
- Organic Soil of High Compressibility (OH)
- Peat (Pt)
- Top Soil (TS)



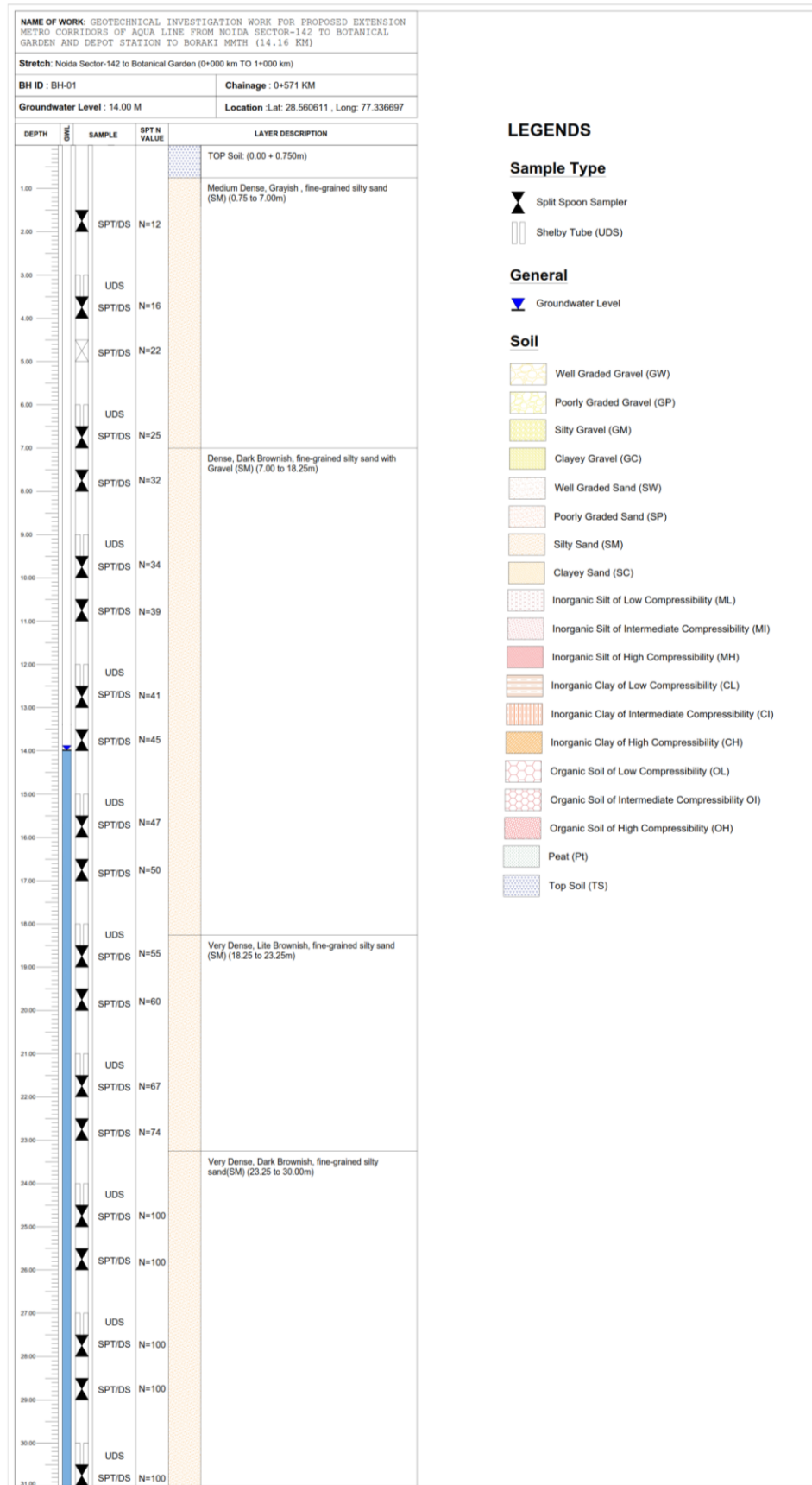




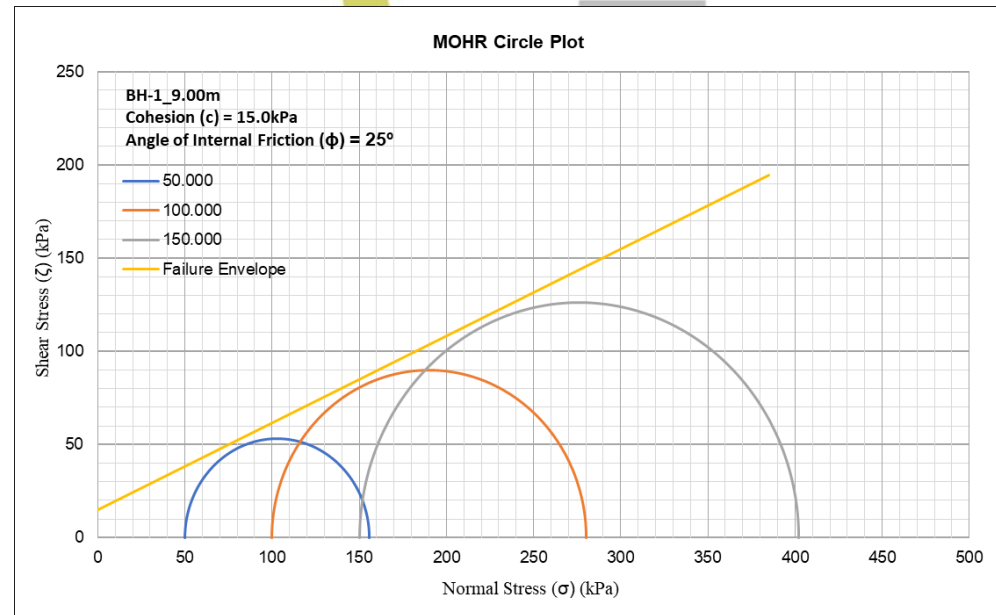
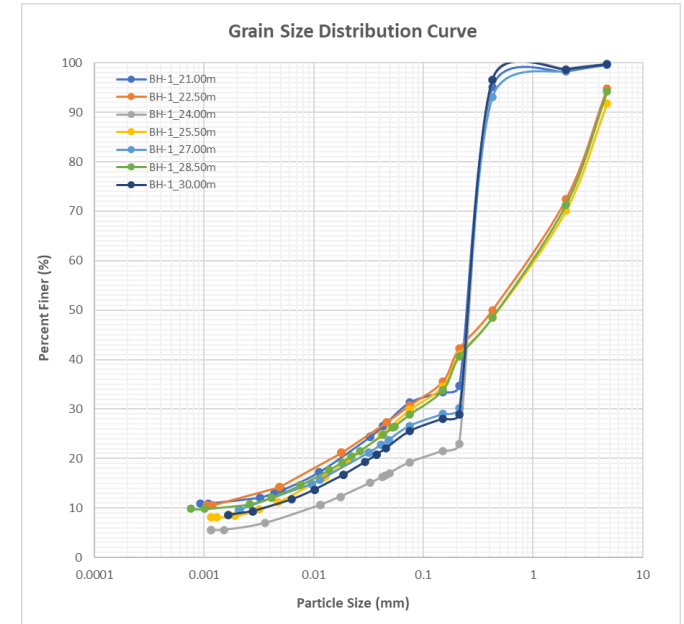
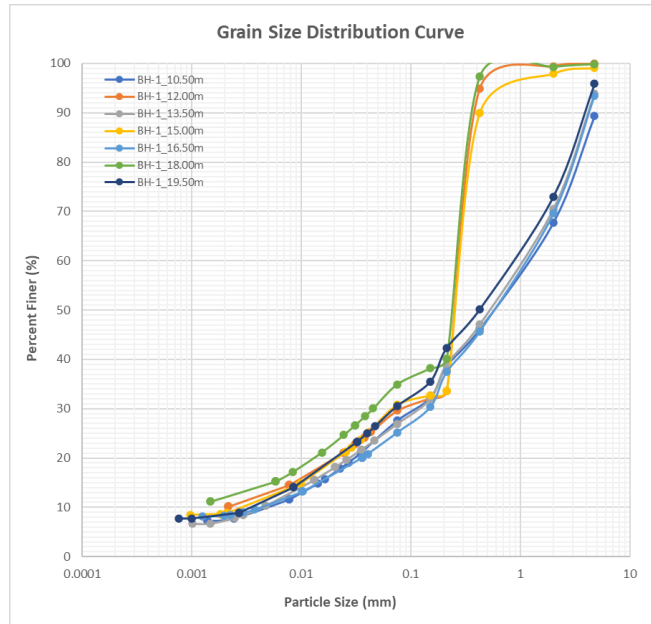
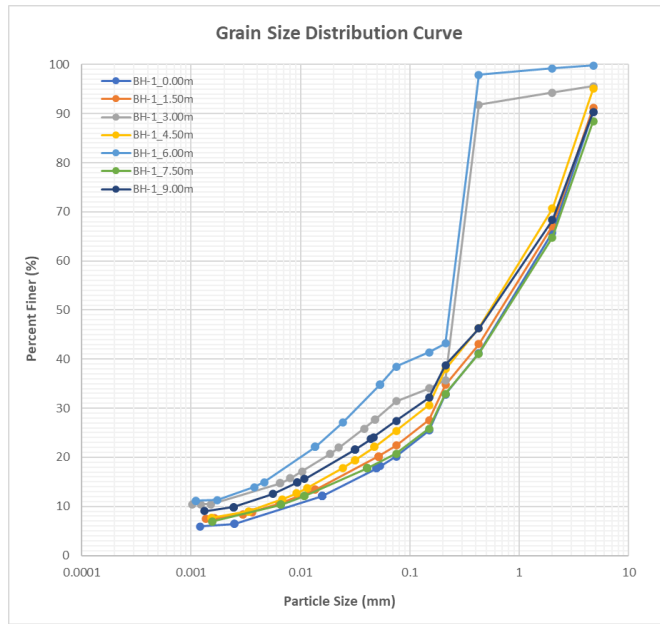


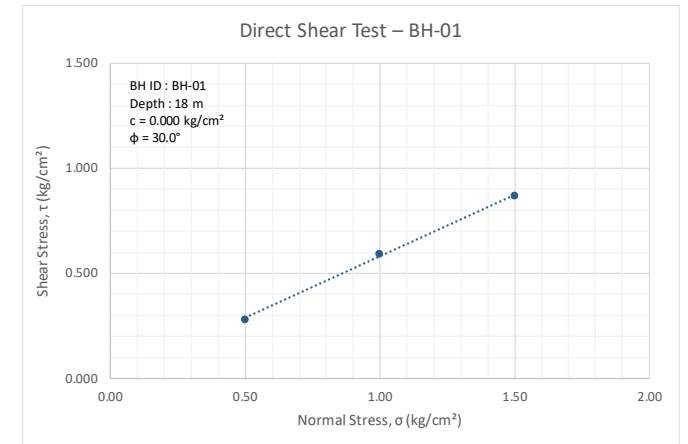
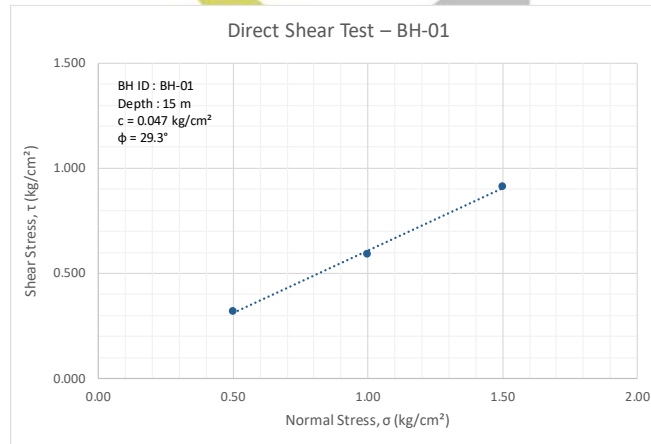
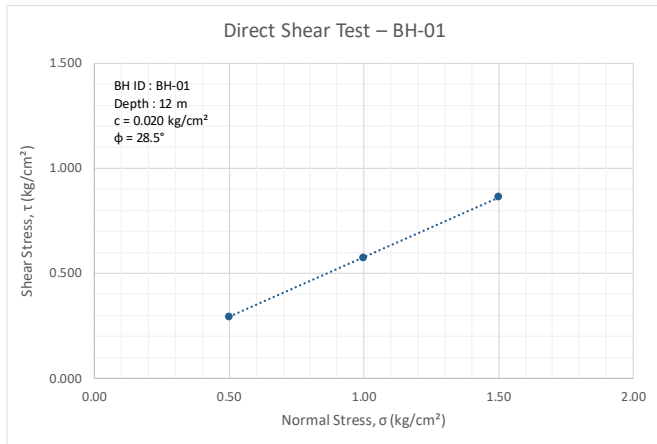
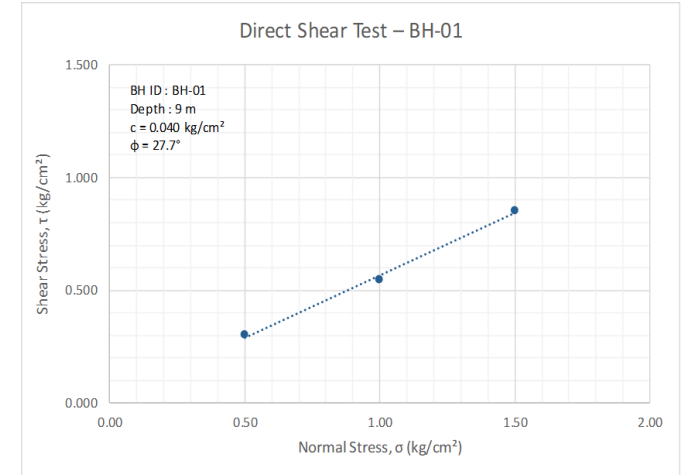
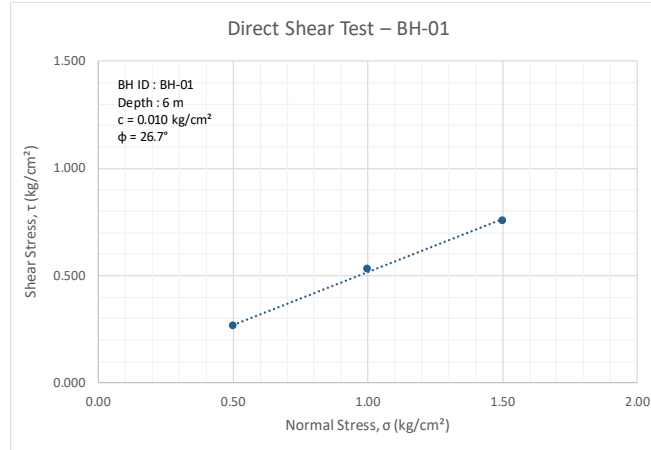
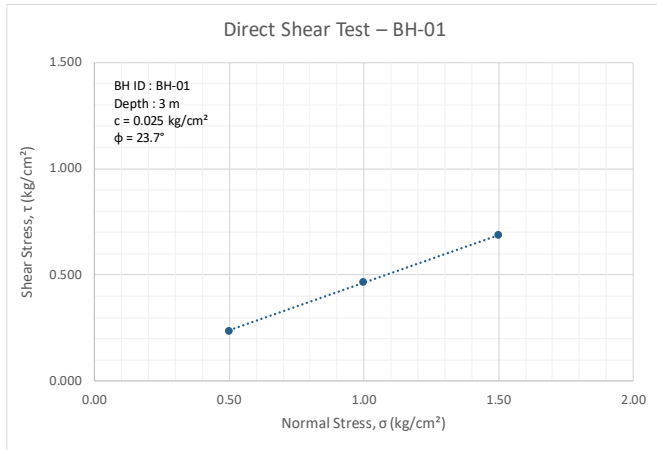


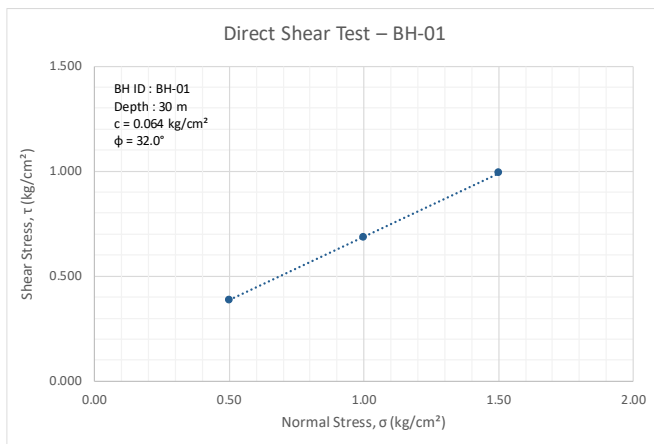
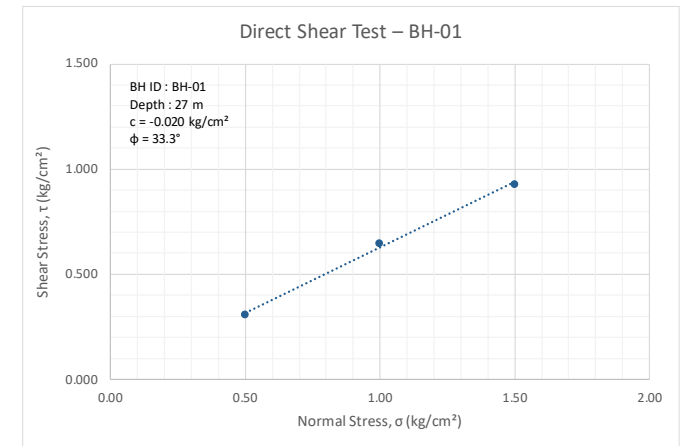
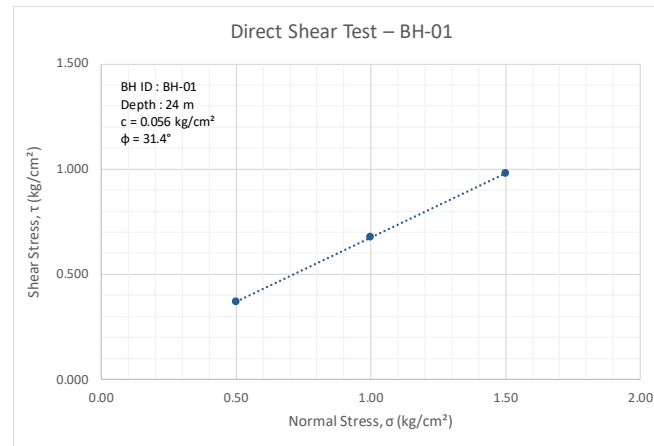
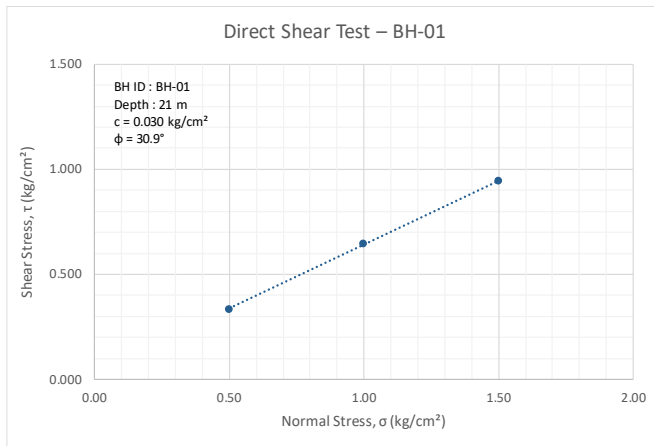
## C.2. Zone 2: CH: 0+500 km to 1+450 km (BH-01 to BH-09)

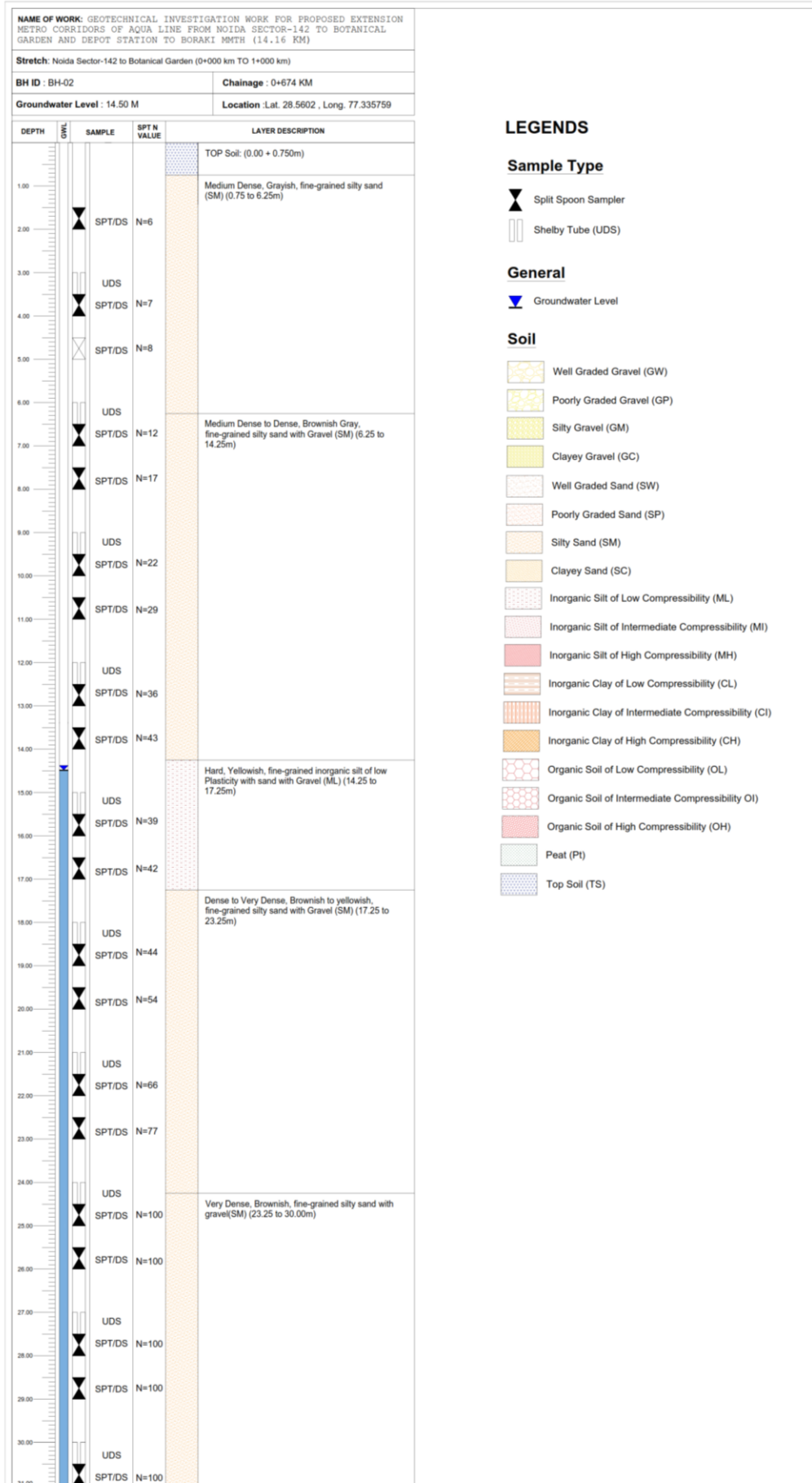












**LEGENDS**

**Sample Type**

- Split Spoon Sampler
- Shelby Tube (UDS)

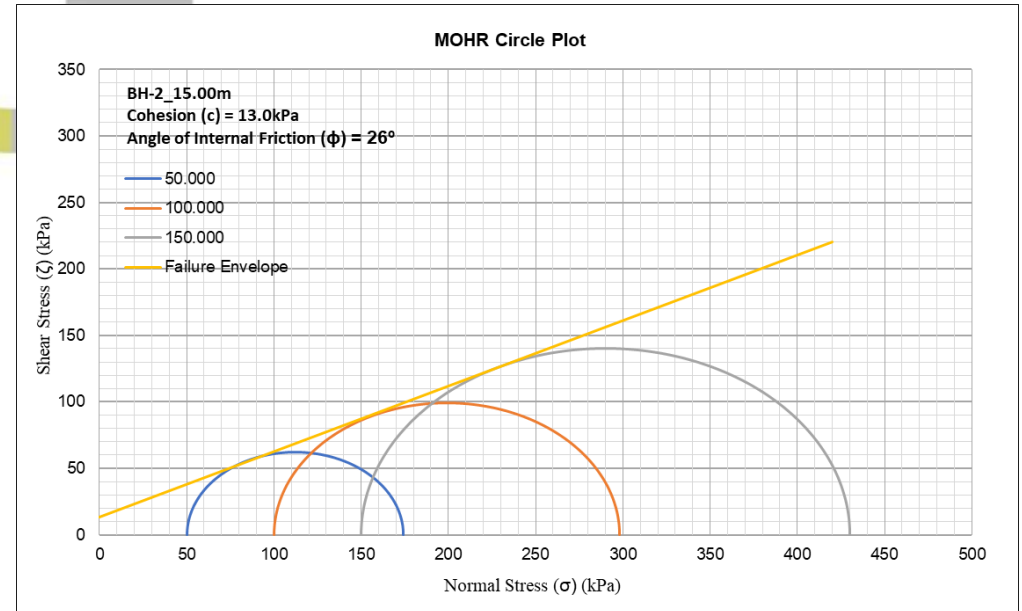
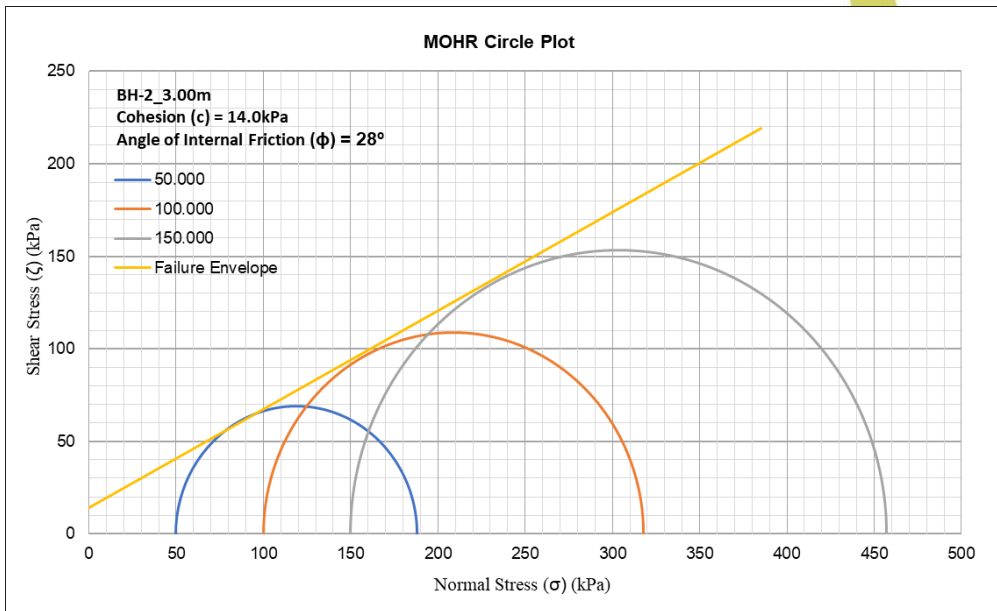
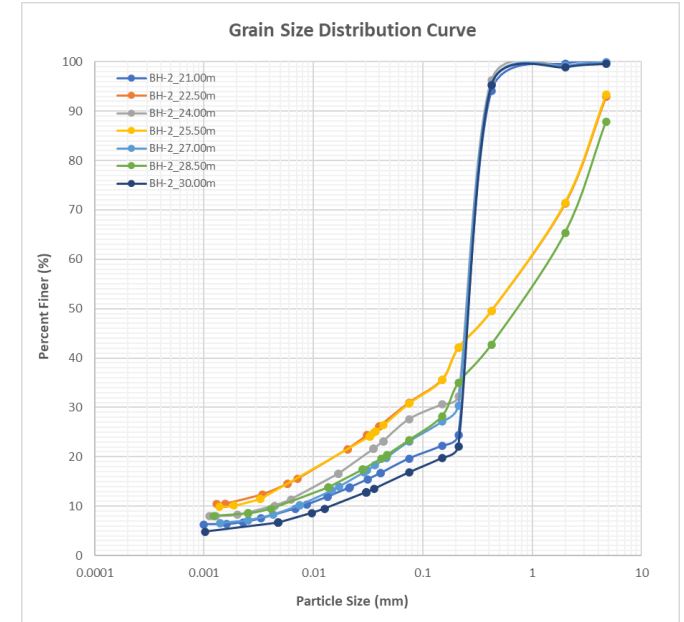
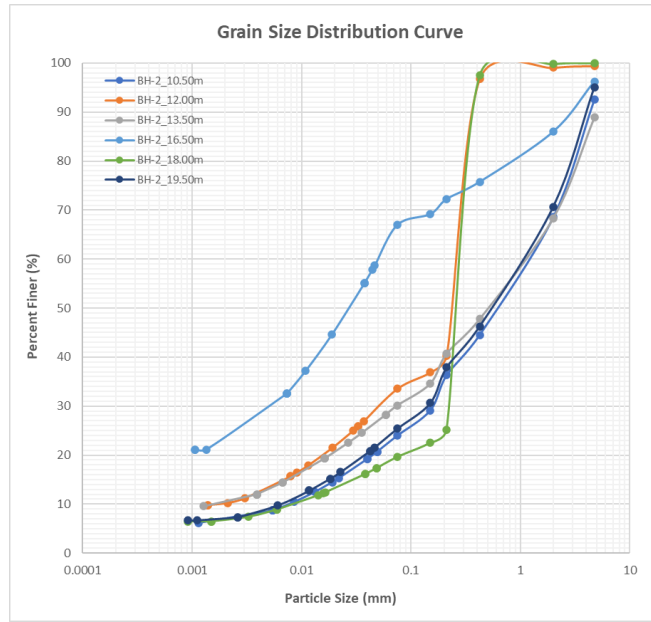
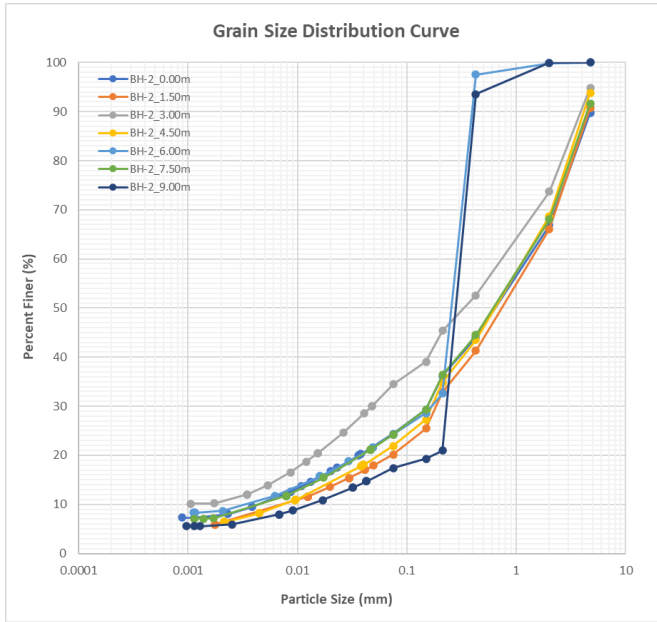
**General**

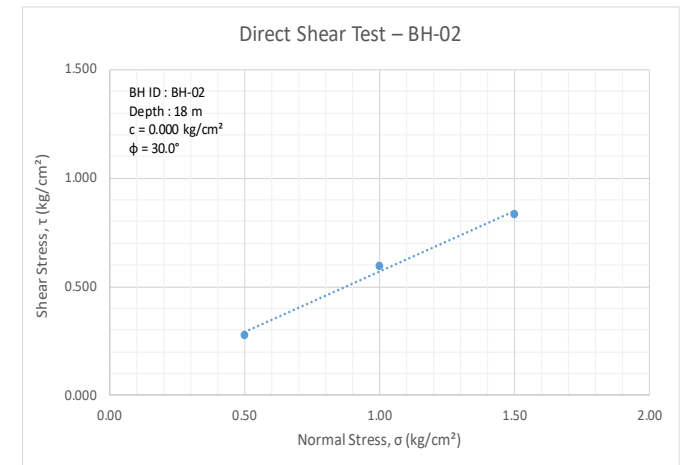
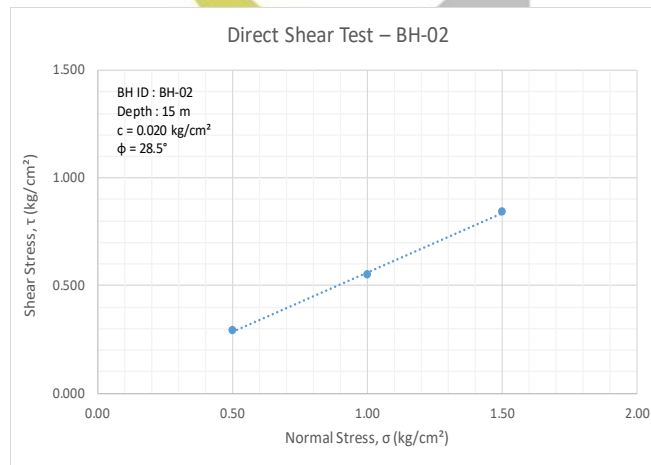
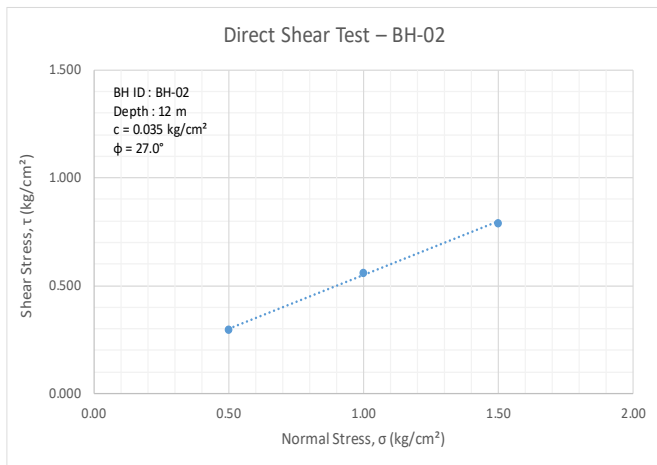
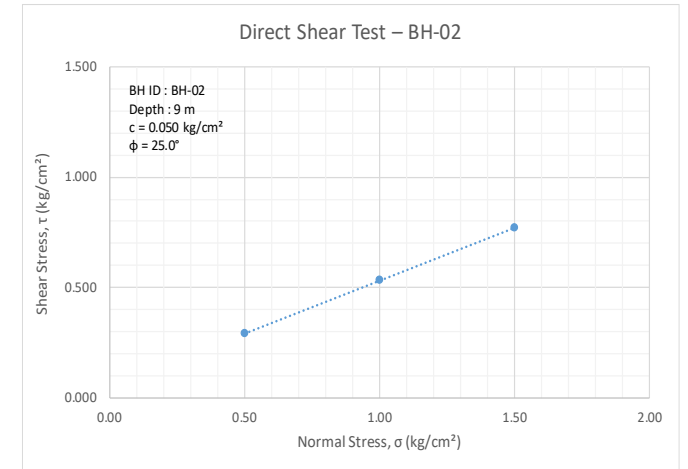
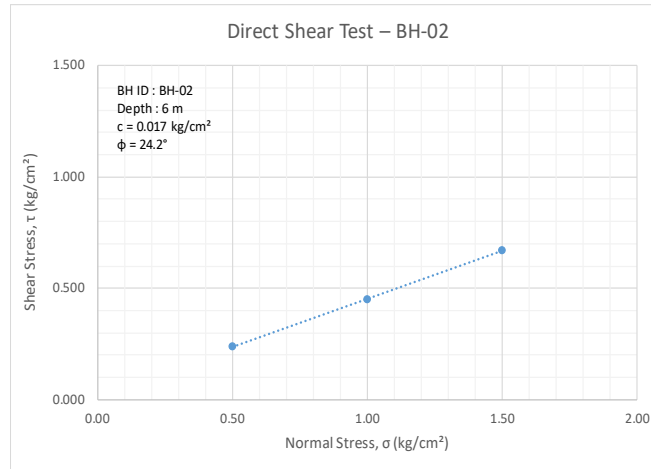
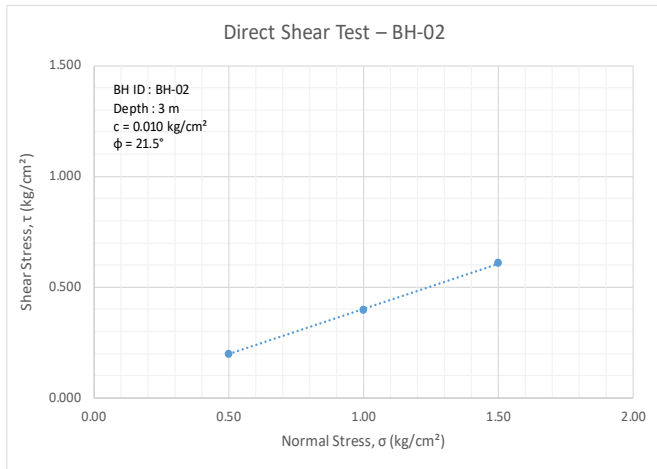
- Groundwater Level

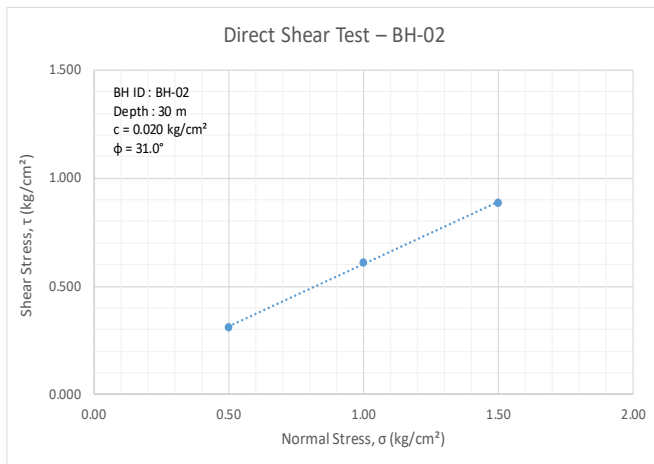
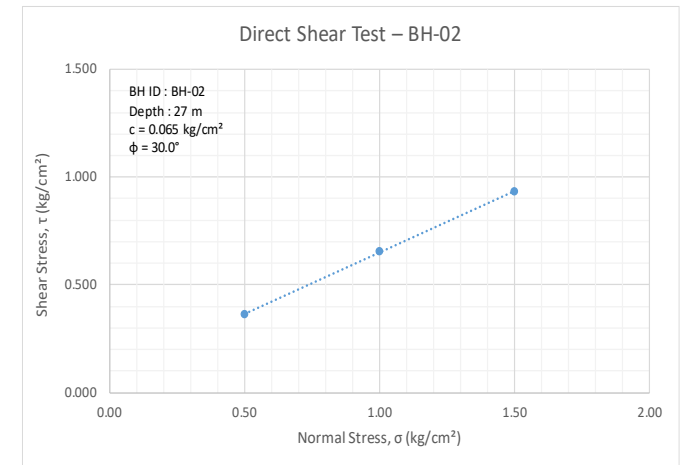
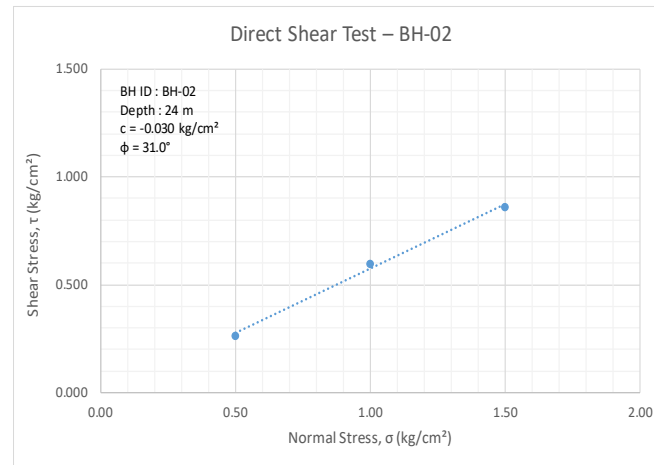
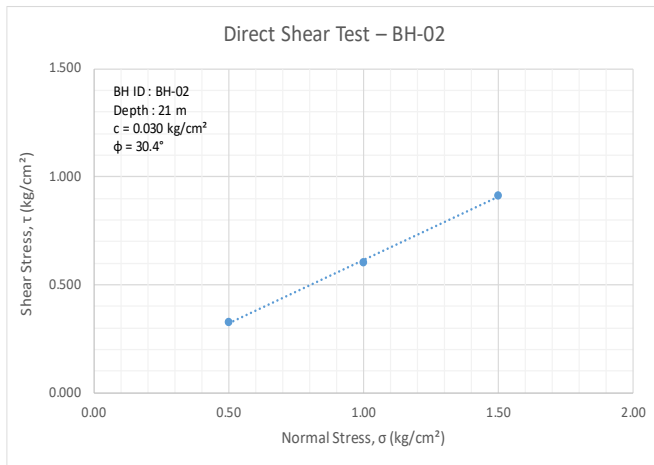
**Soil**

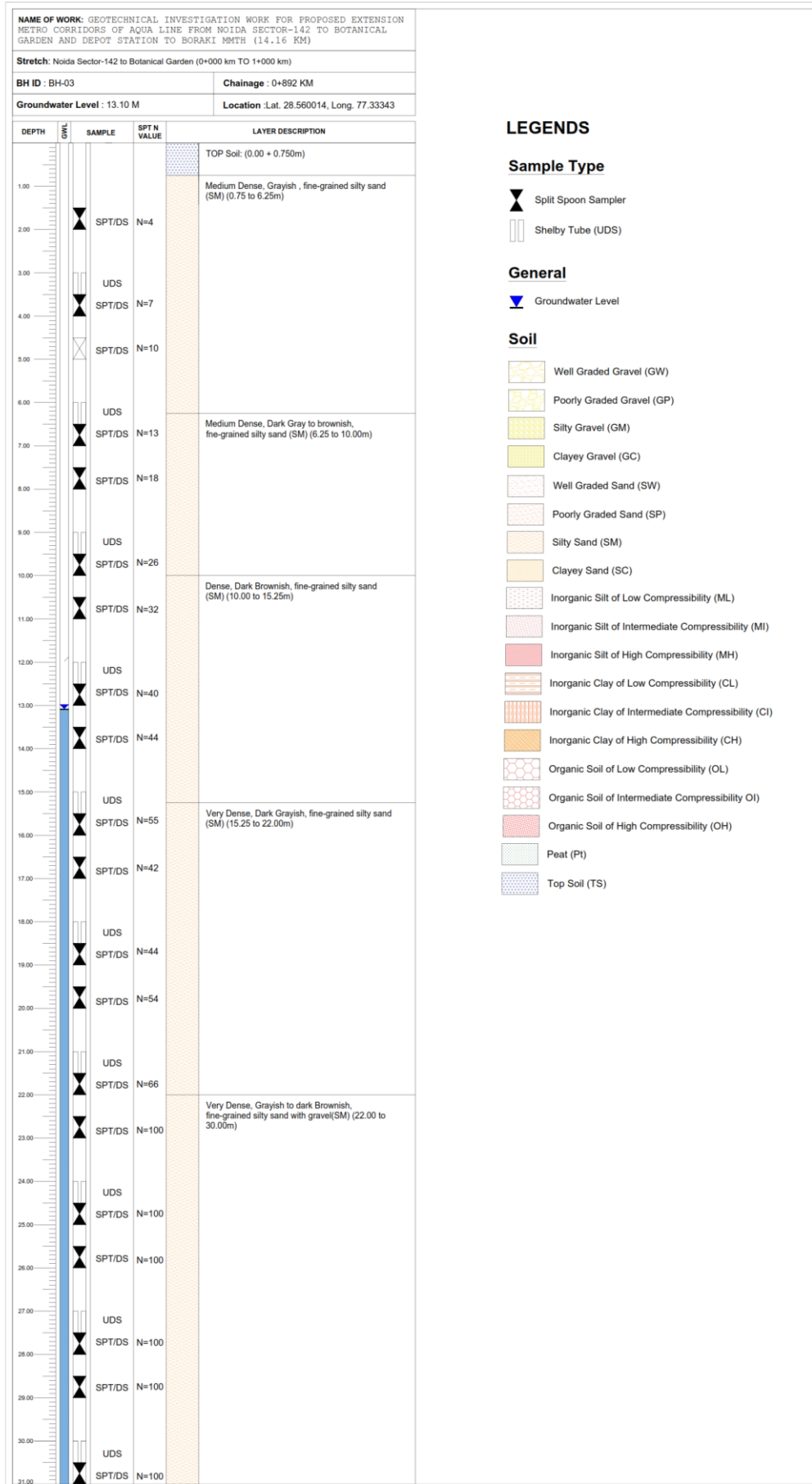
- Well Graded Gravel (GW)
- Poorly Graded Gravel (GP)
- Silty Gravel (GM)
- Clayey Gravel (GC)
- Well Graded Sand (SW)
- Poorly Graded Sand (SP)
- Silty Sand (SM)
- Clayey Sand (SC)
- Inorganic Silt of Low Compressibility (ML)
- Inorganic Silt of Intermediate Compressibility (MI)
- Inorganic Silt of High Compressibility (MH)
- Inorganic Clay of Low Compressibility (CL)
- Inorganic Clay of Intermediate Compressibility (CI)
- Inorganic Clay of High Compressibility (CH)
- Organic Soil of Low Compressibility (OL)
- Organic Soil of Intermediate Compressibility (OI)
- Organic Soil of High Compressibility (OH)
- Peat (Pt)
- Top Soil (TS)











**LEGENDS**

**Sample Type**

- Split Spoon Sampler
- Shelby Tube (UDS)

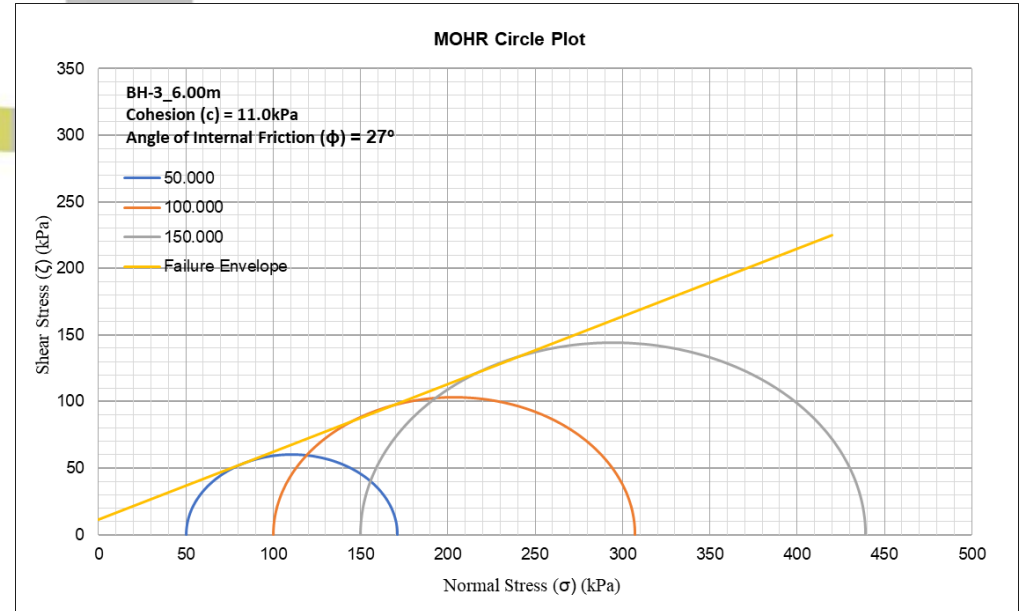
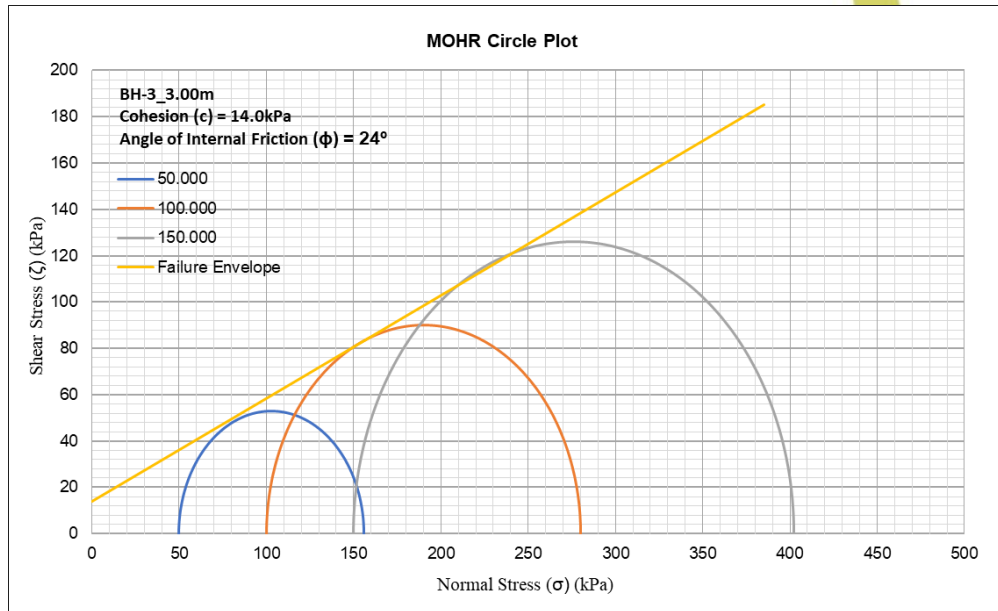
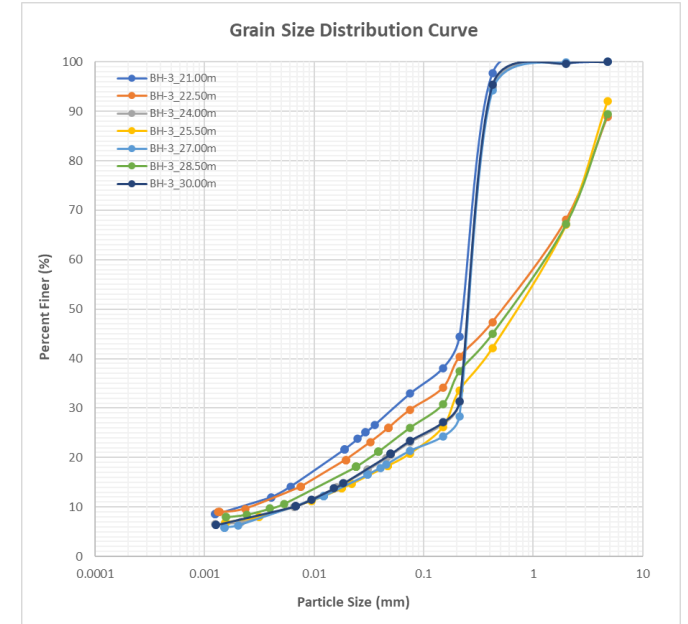
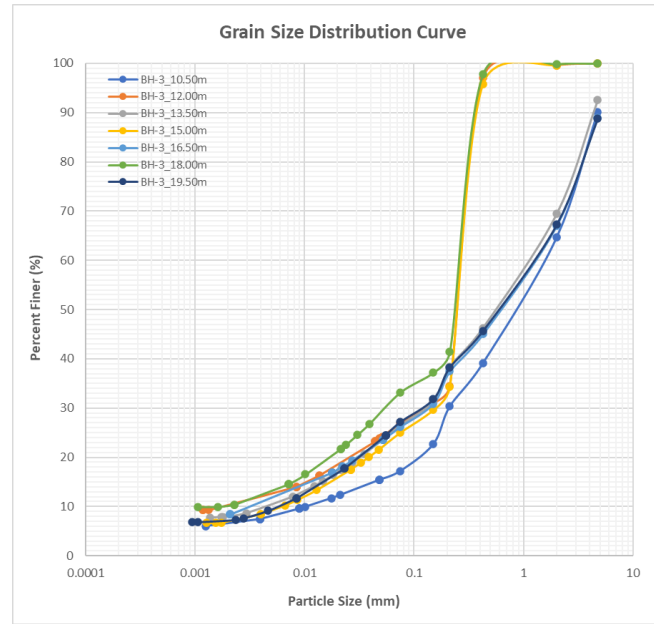
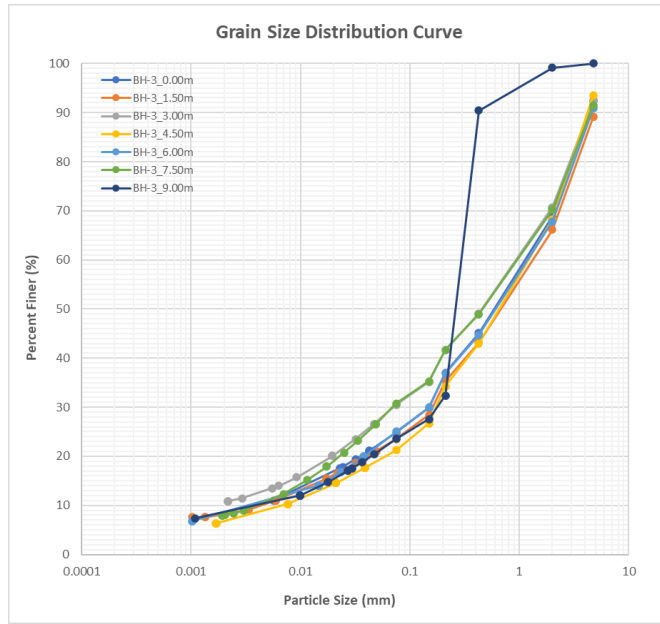
**General**

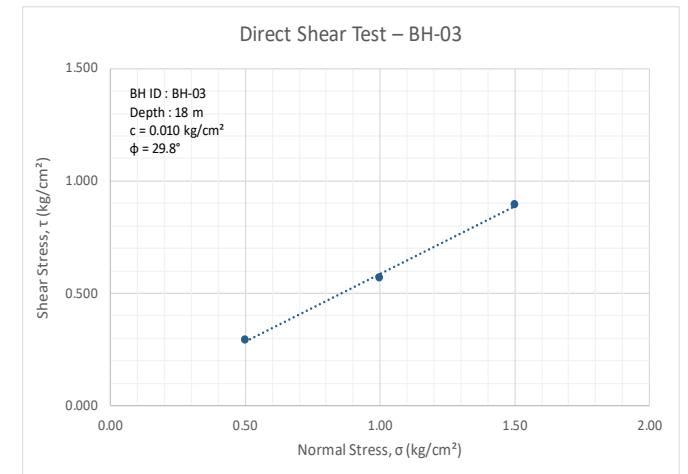
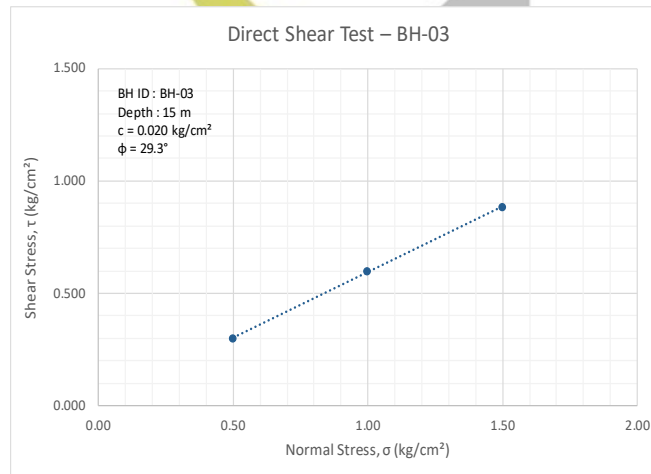
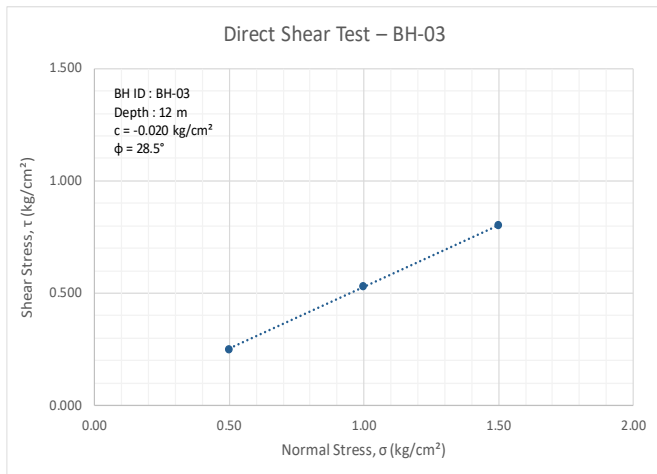
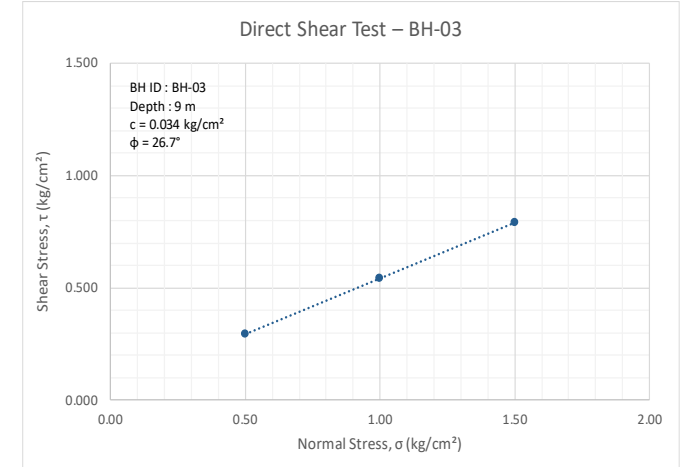
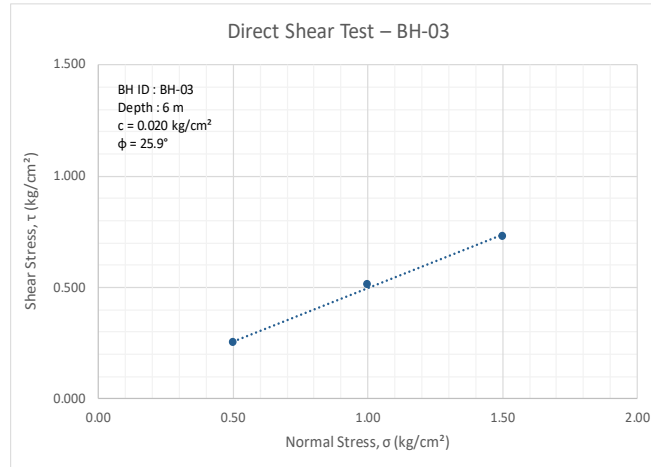
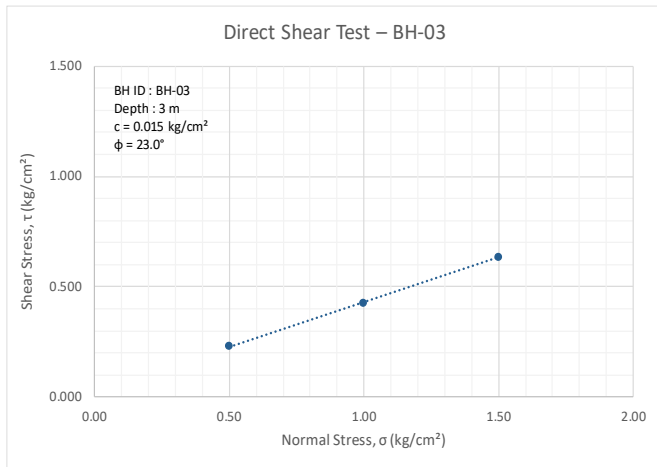
- Groundwater Level

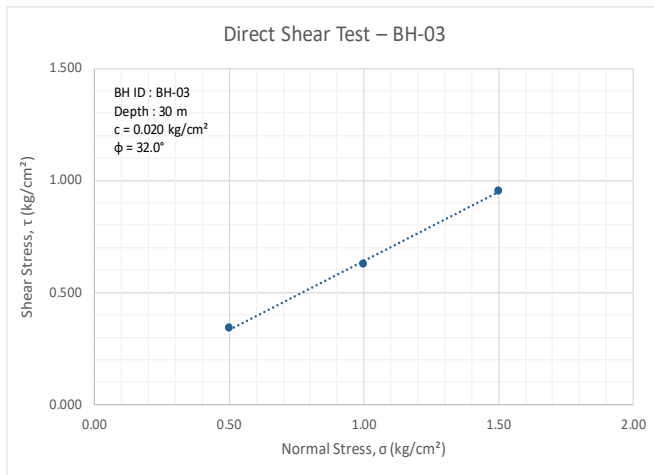
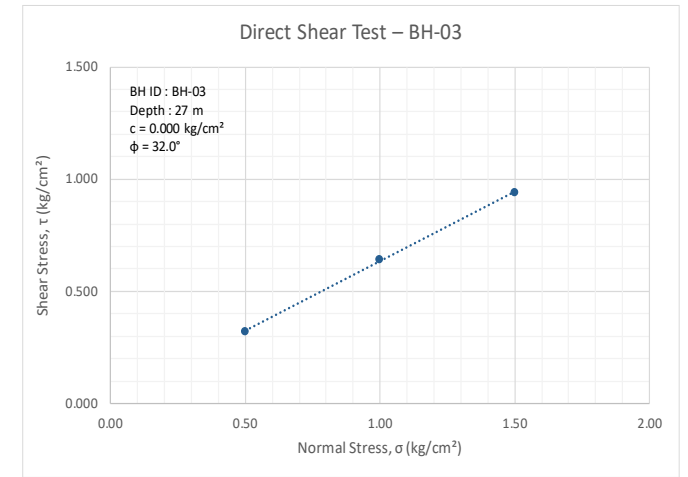
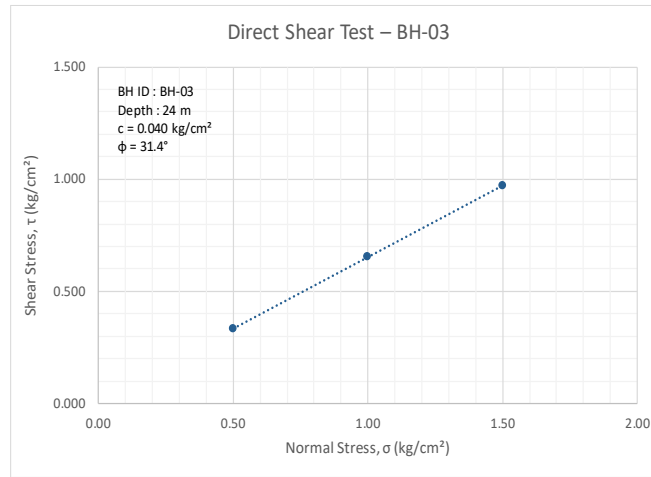
**Soil**

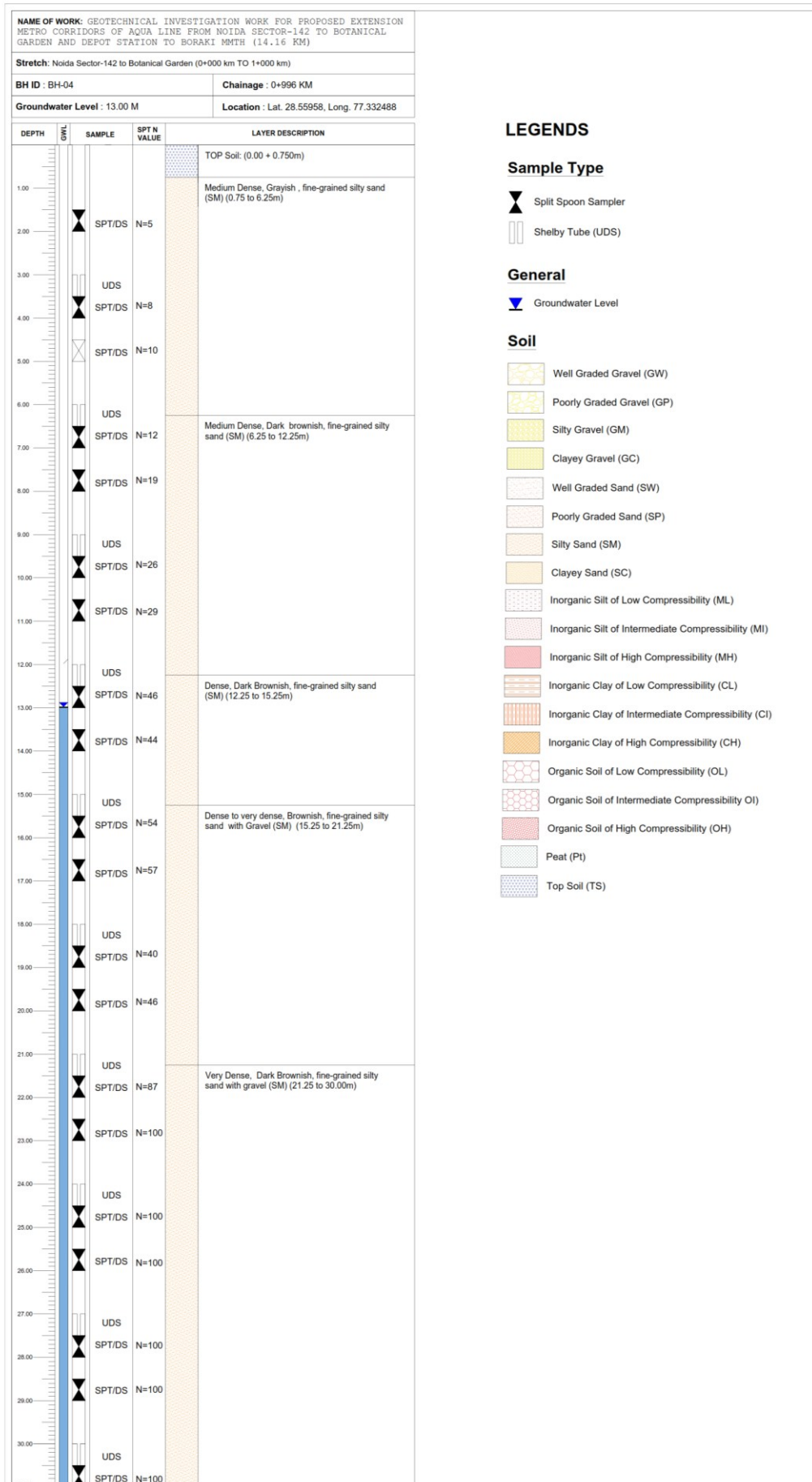
- Well Graded Gravel (GW)
- Poorly Graded Gravel (GP)
- Silty Gravel (GM)
- Clayey Gravel (GC)
- Well Graded Sand (SW)
- Poorly Graded Sand (SP)
- Silty Sand (SM)
- Clayey Sand (SC)
- Inorganic Silt of Low Compressibility (ML)
- Inorganic Silt of Intermediate Compressibility (MI)
- Inorganic Silt of High Compressibility (MH)
- Inorganic Clay of Low Compressibility (CL)
- Inorganic Clay of Intermediate Compressibility (CI)
- Inorganic Clay of High Compressibility (CH)
- Organic Soil of Low Compressibility (OL)
- Organic Soil of Intermediate Compressibility (OI)
- Organic Soil of High Compressibility (OH)
- Peat (Pt)
- Top Soil (TS)











**LEGENDS**

**Sample Type**

- Split Spoon Sampler
- Shelby Tube (UDS)

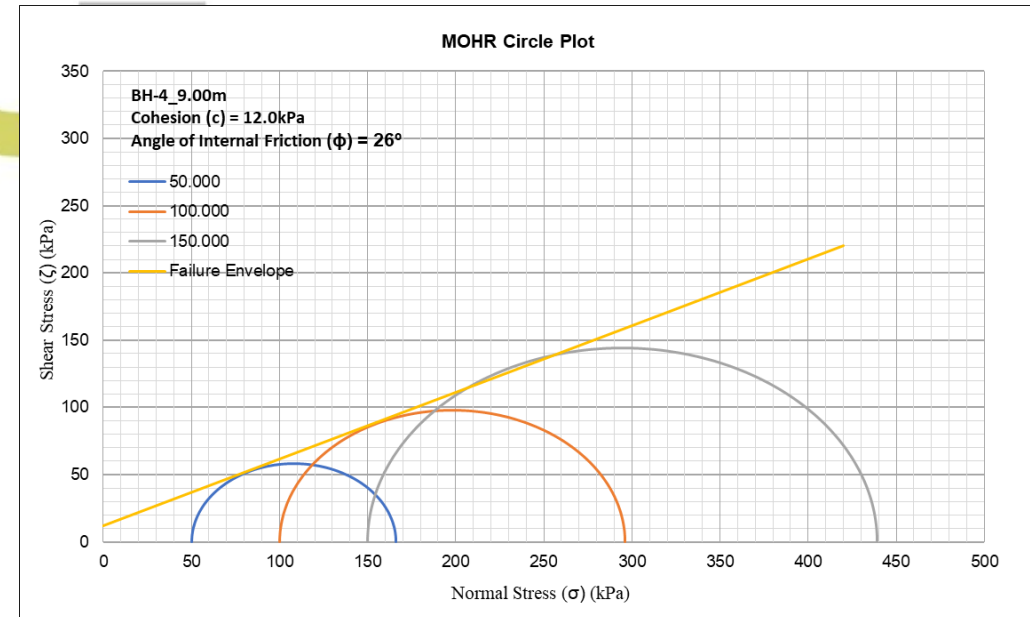
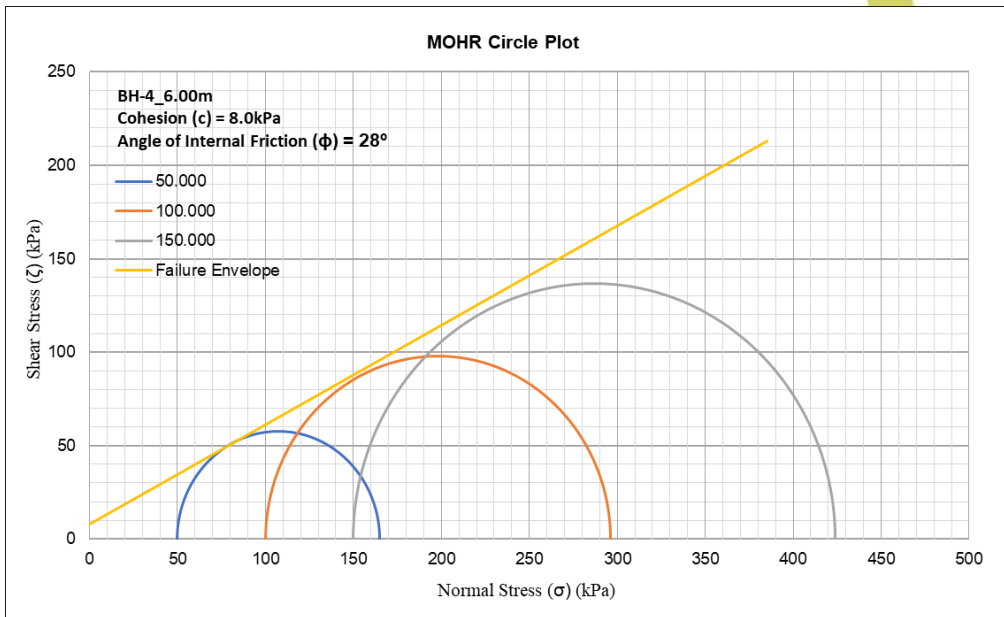
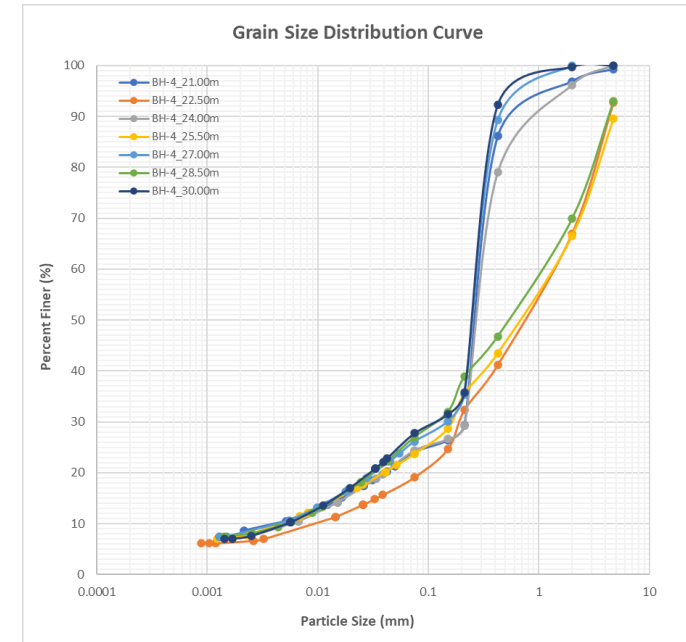
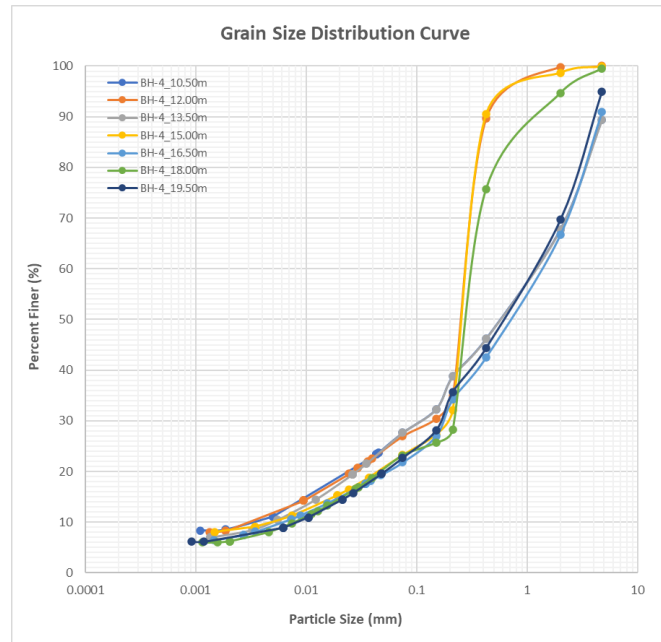
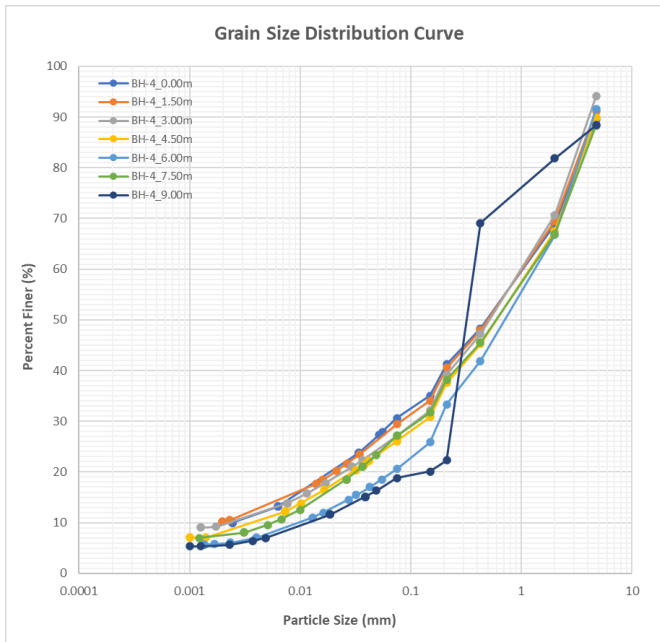
**General**

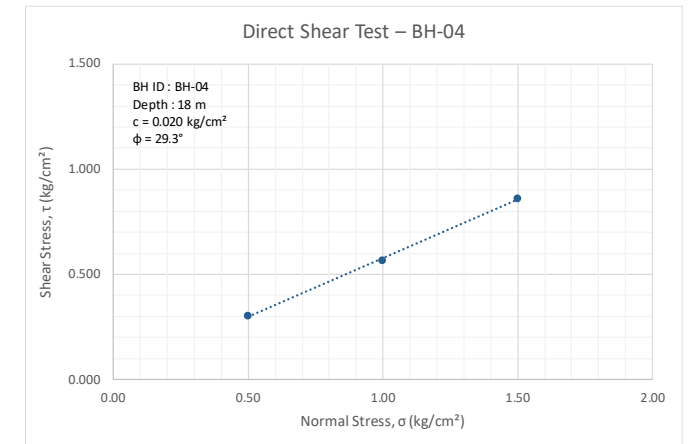
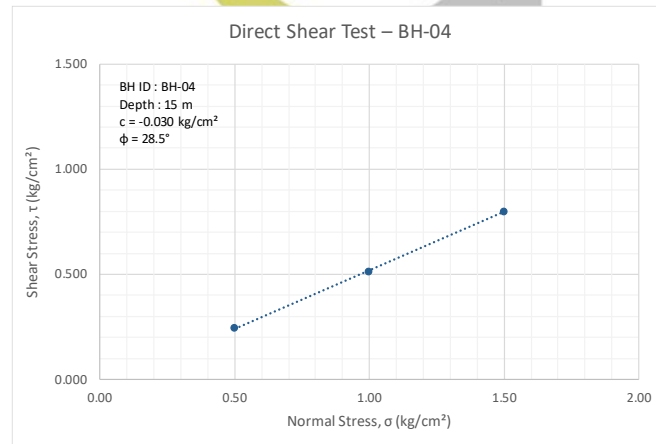
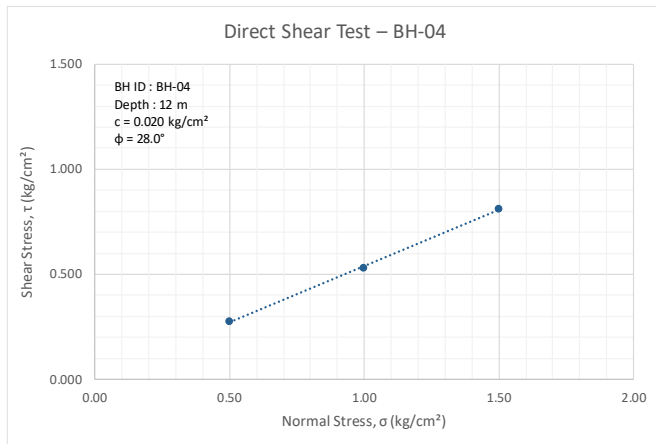
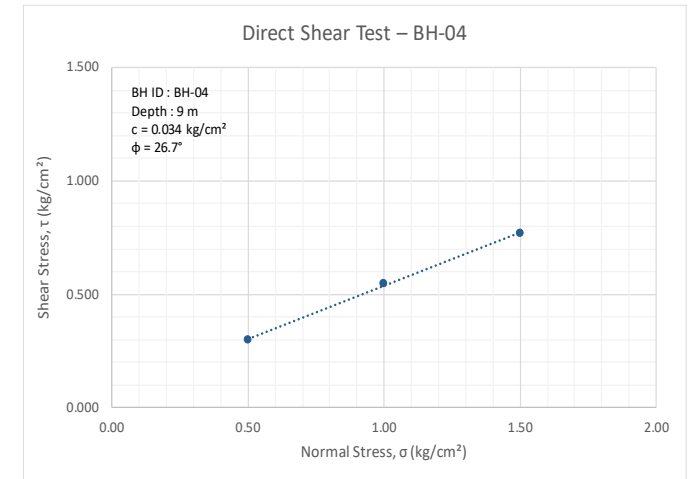
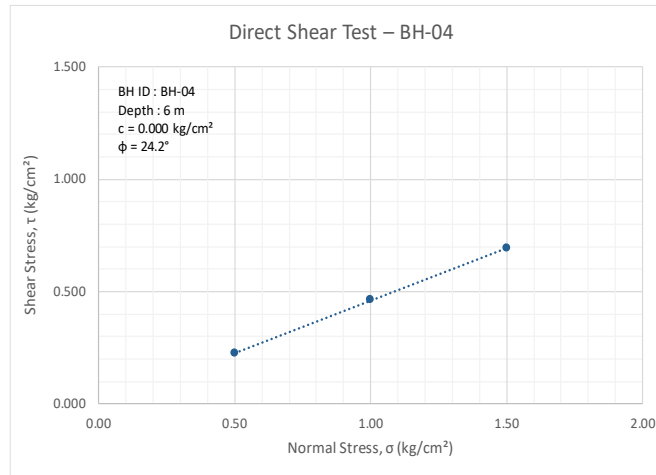
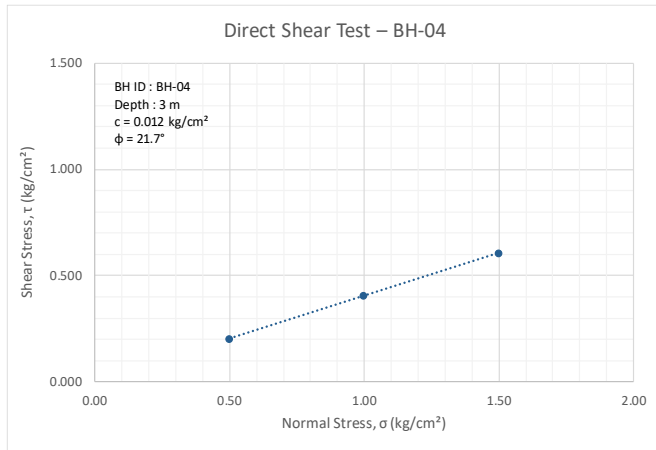
- Groundwater Level

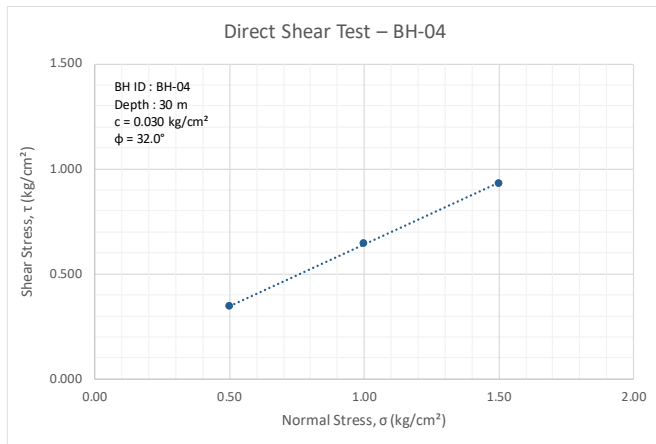
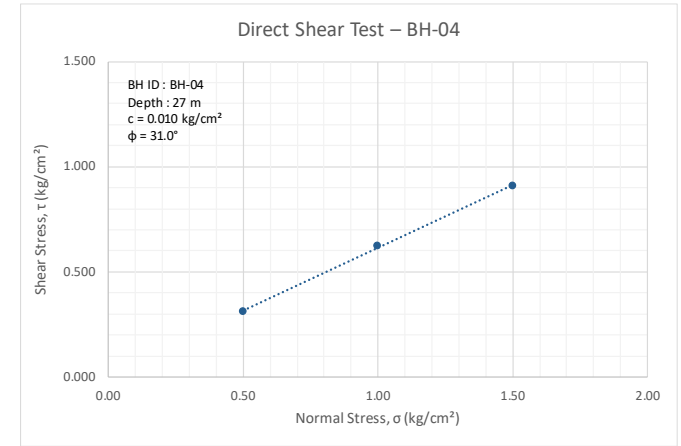
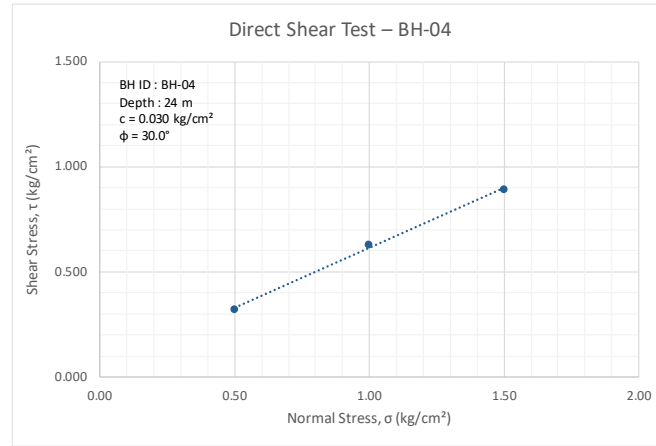
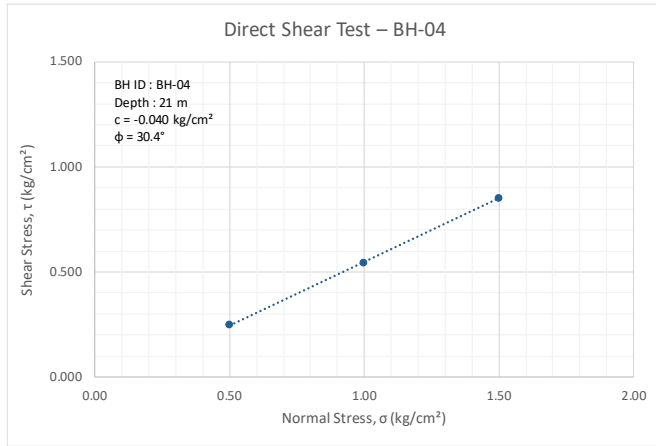
**Soil**

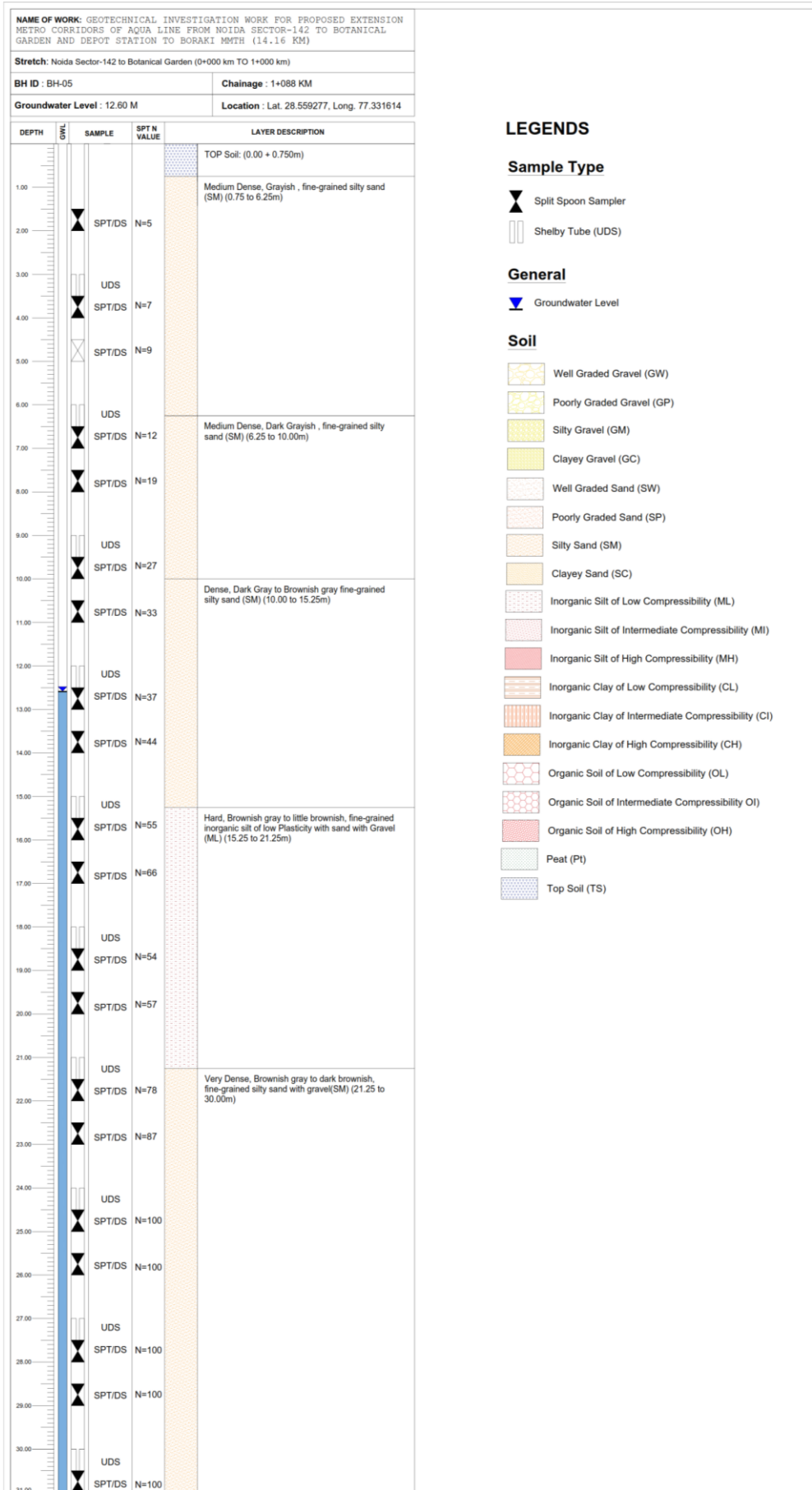
- Well Graded Gravel (GW)
- Poorly Graded Gravel (GP)
- Silty Gravel (GM)
- Clayey Gravel (GC)
- Well Graded Sand (SW)
- Poorly Graded Sand (SP)
- Silty Sand (SM)
- Clayey Sand (SC)
- Inorganic Silt of Low Compressibility (ML)
- Inorganic Silt of Intermediate Compressibility (MI)
- Inorganic Silt of High Compressibility (MH)
- Inorganic Clay of Low Compressibility (CL)
- Inorganic Clay of Intermediate Compressibility (CI)
- Inorganic Clay of High Compressibility (CH)
- Organic Soil of Low Compressibility (OL)
- Organic Soil of Intermediate Compressibility (OI)
- Organic Soil of High Compressibility (OH)
- Peat (Pt)
- Top Soil (TS)



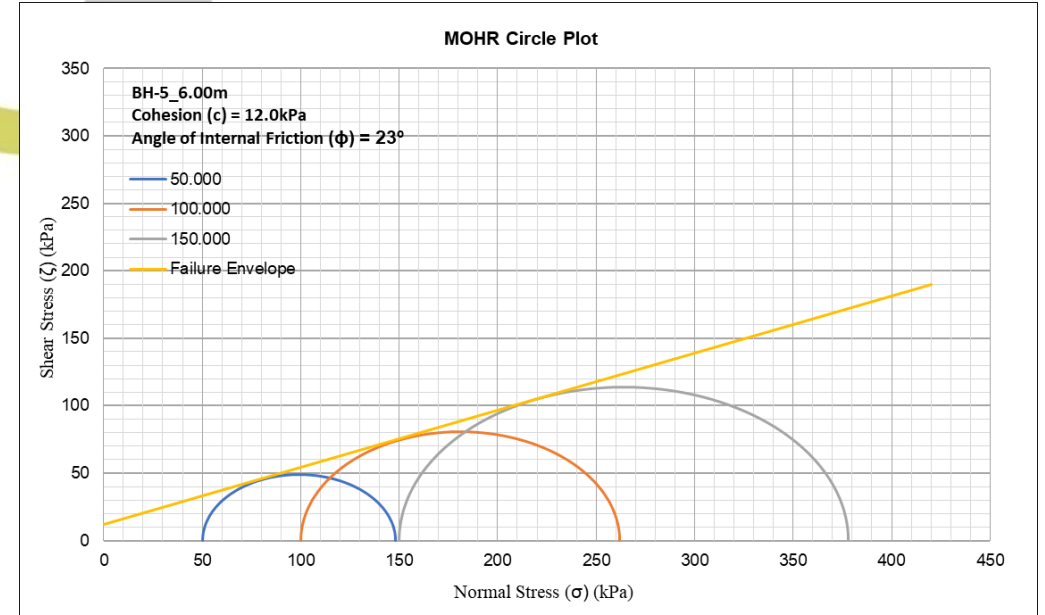
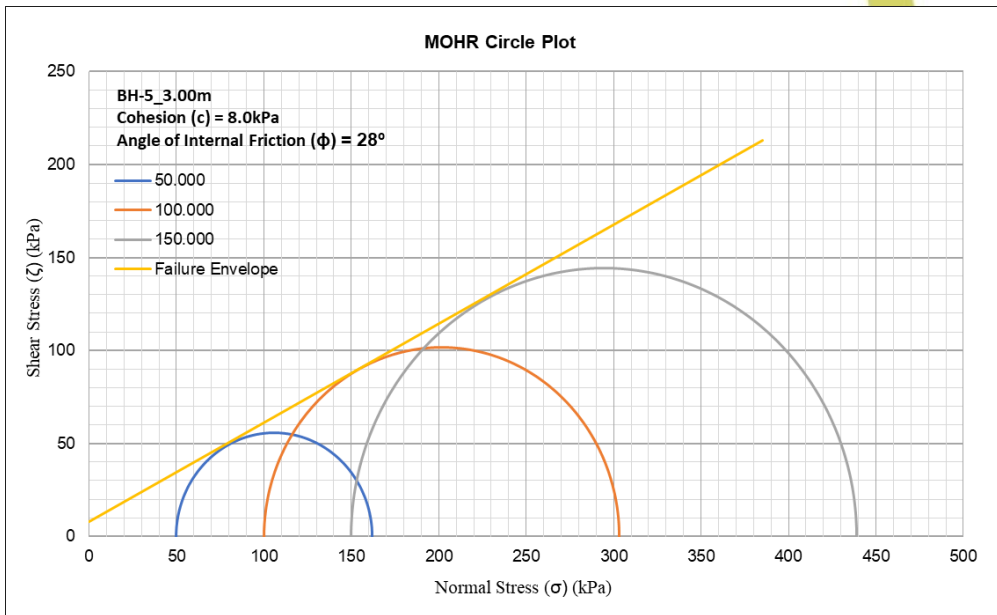
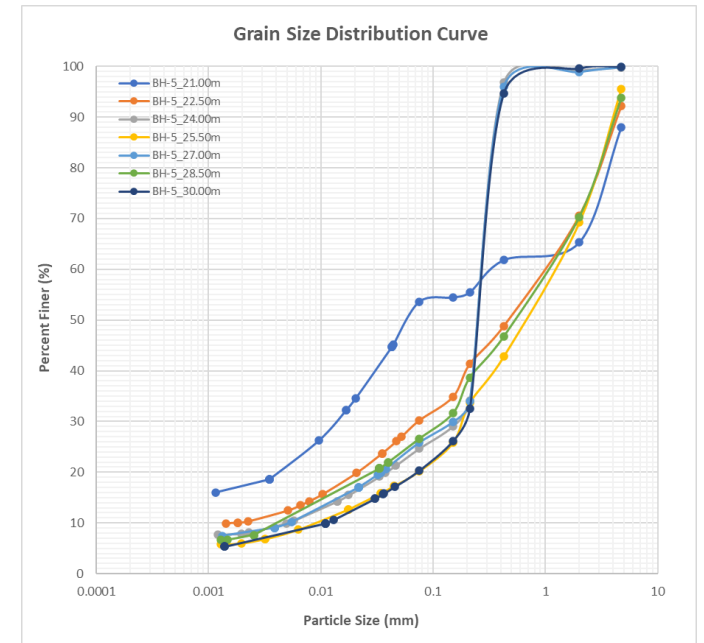
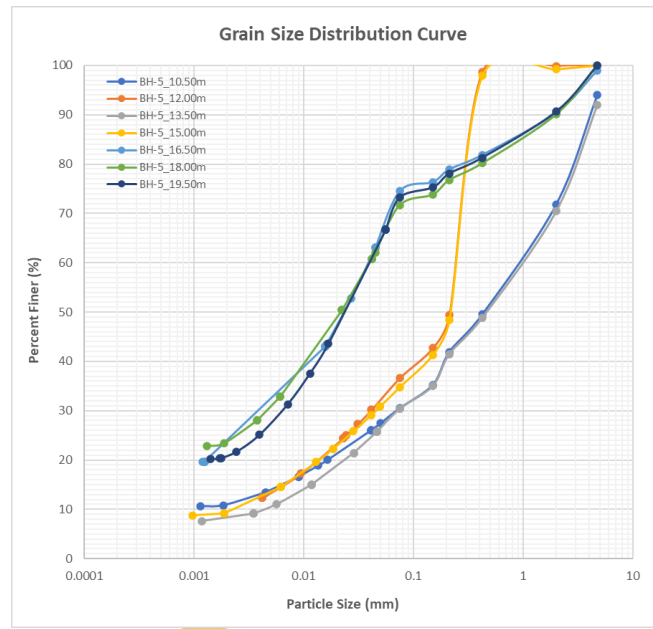
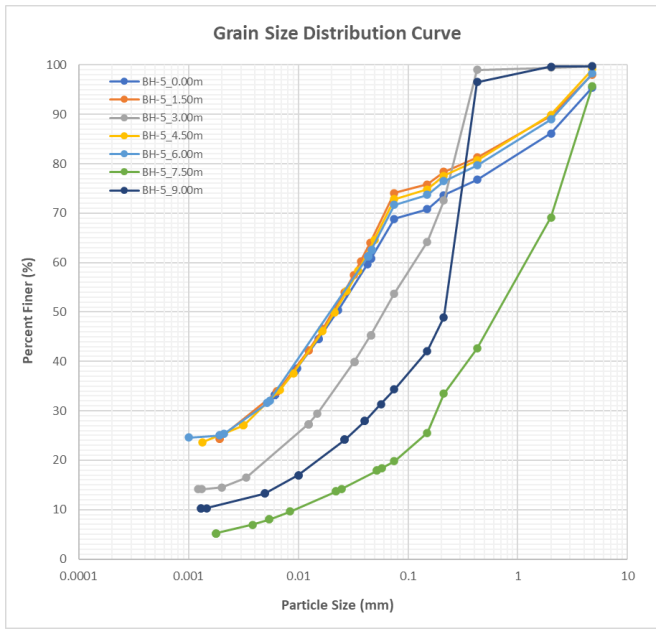


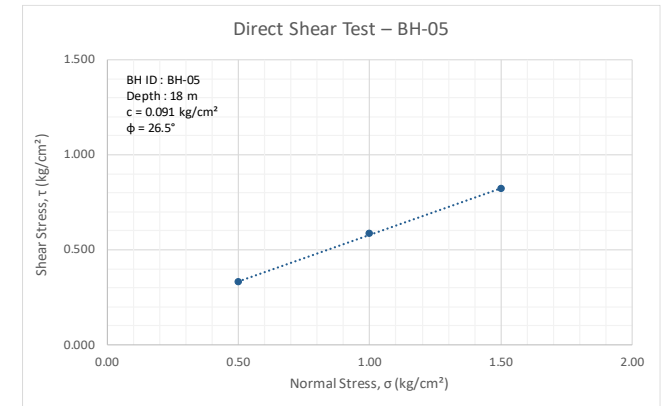
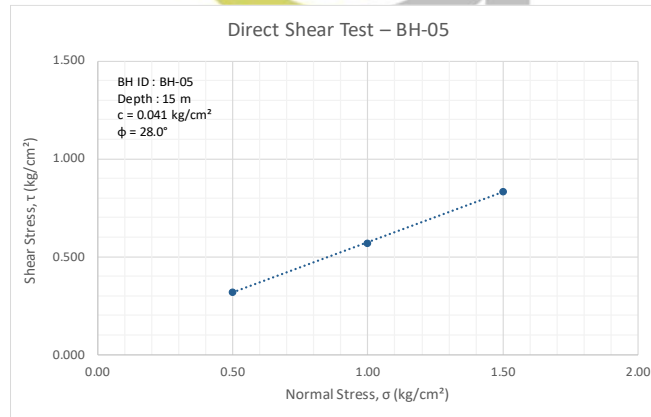
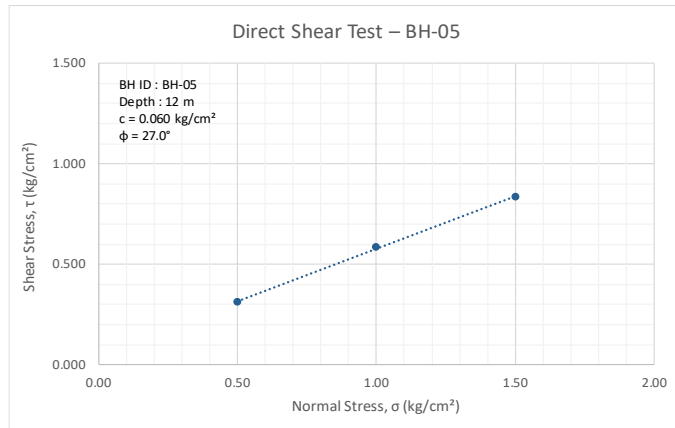
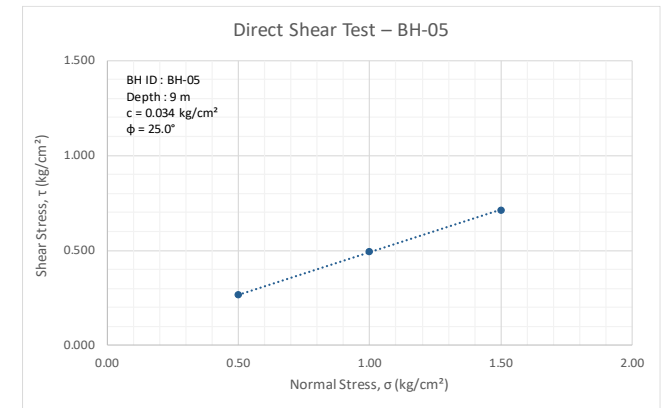
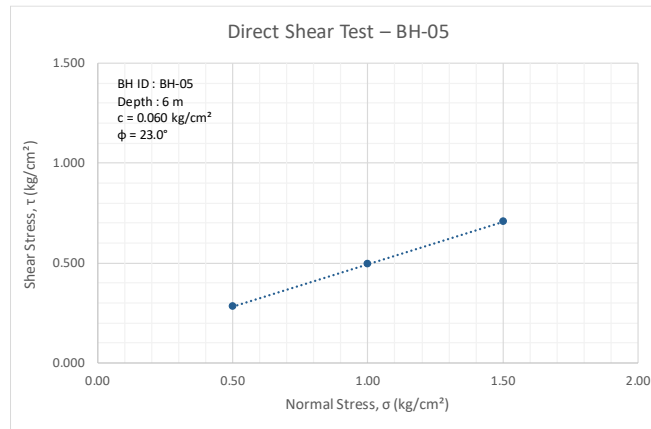
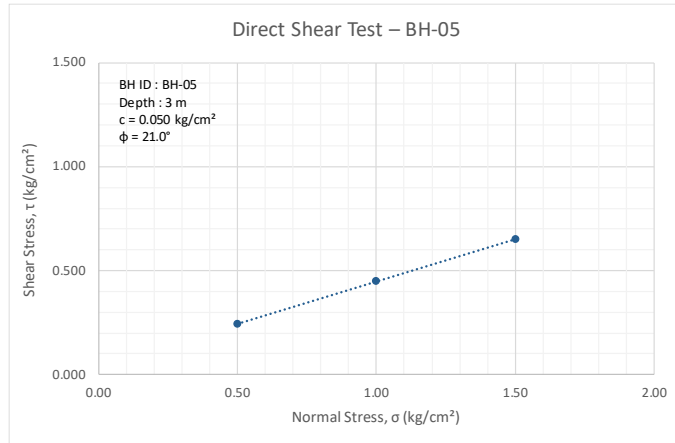


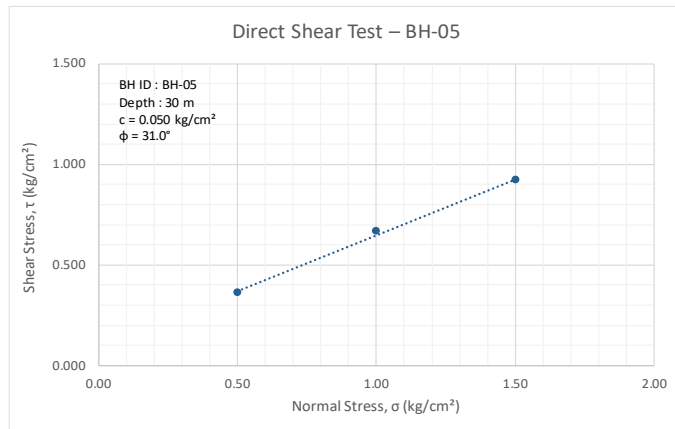
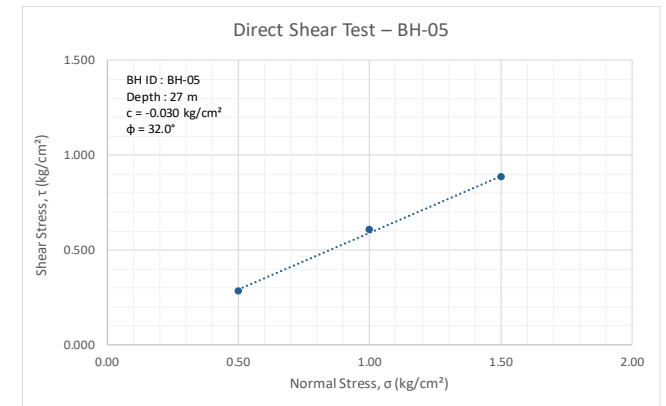
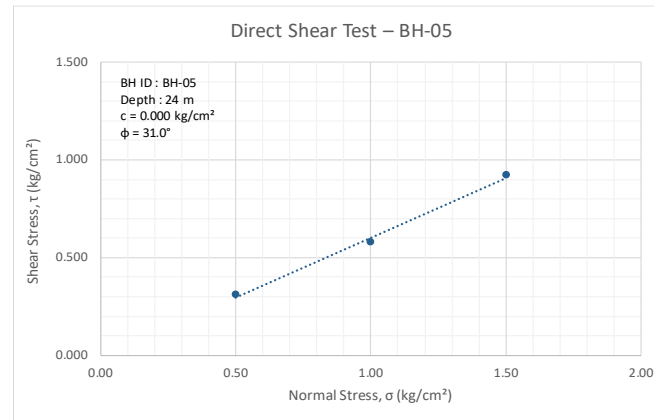
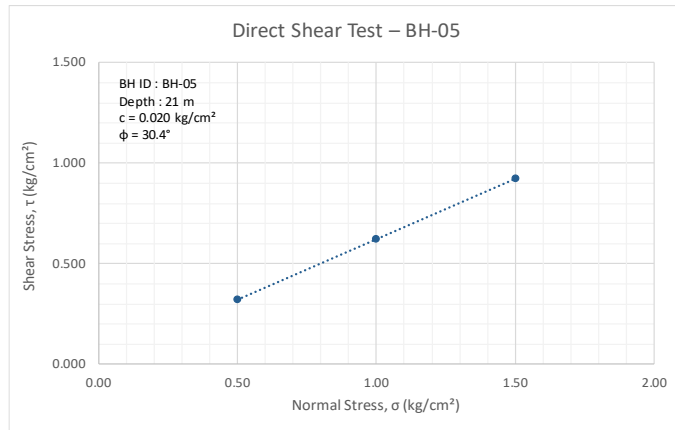


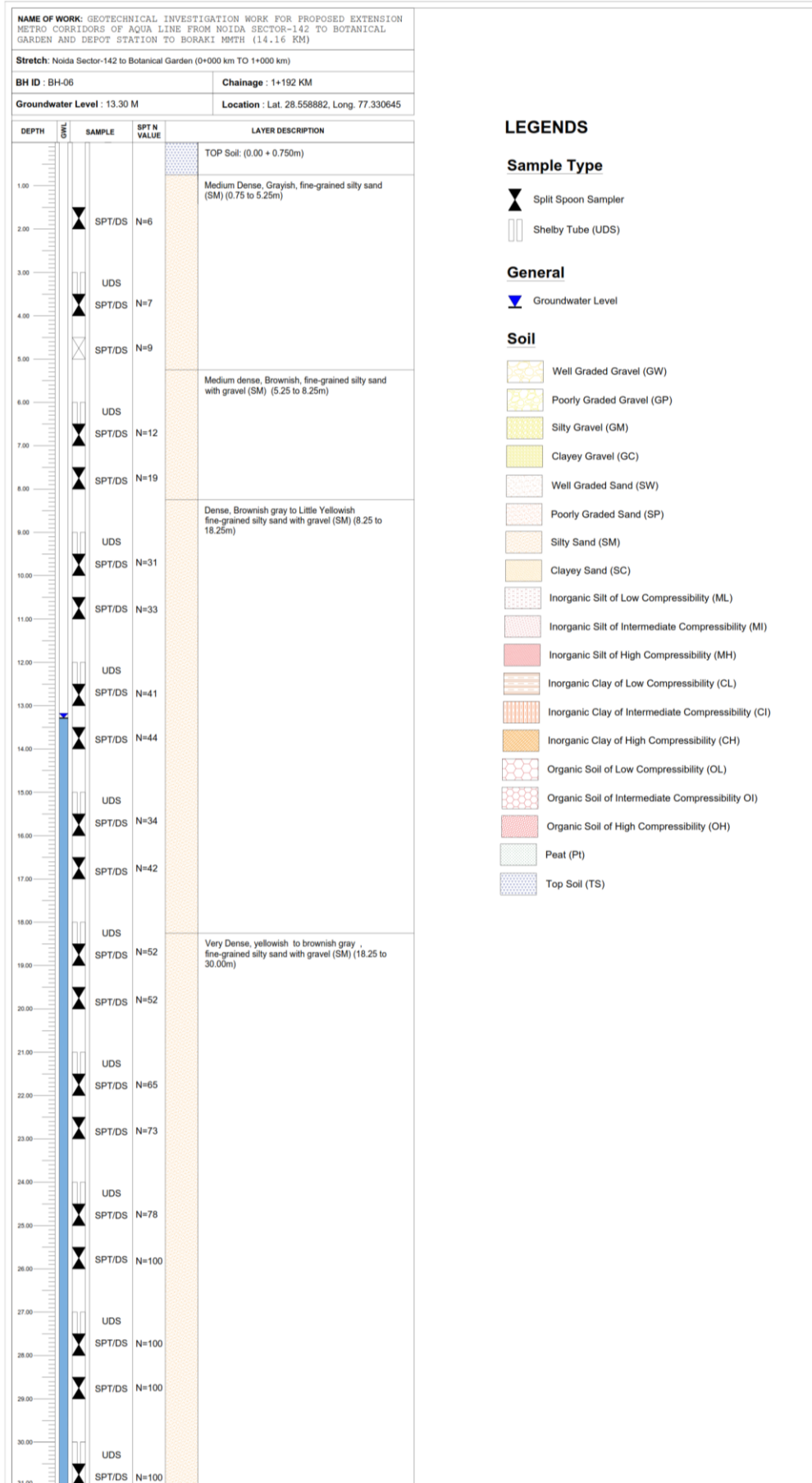












**LEGENDS**

**Sample Type**

- Split Spoon Sampler
- Shelby Tube (UDS)

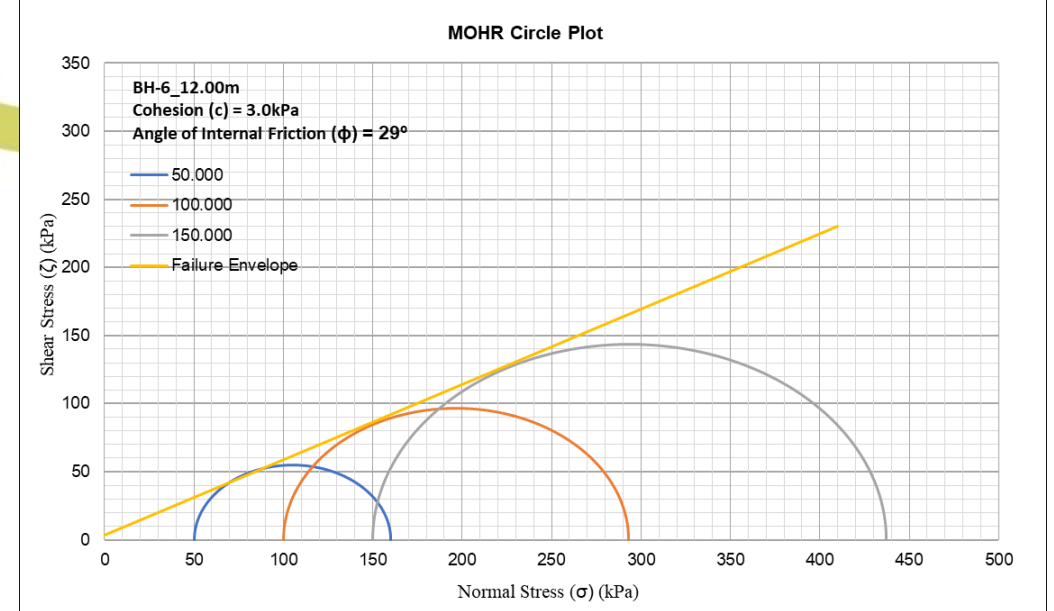
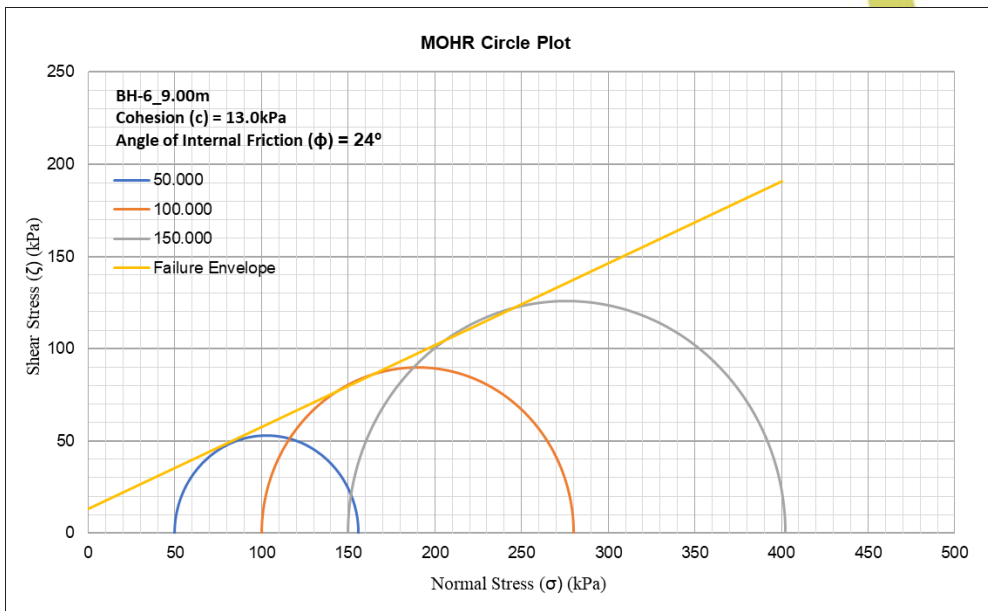
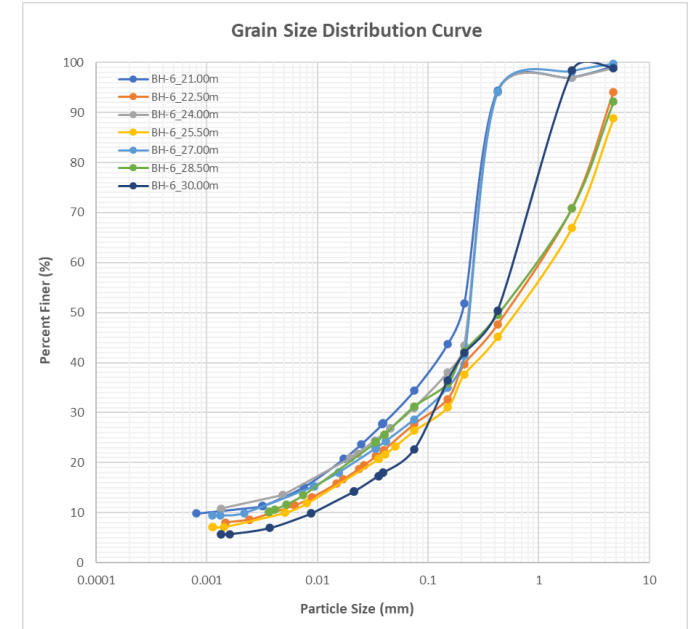
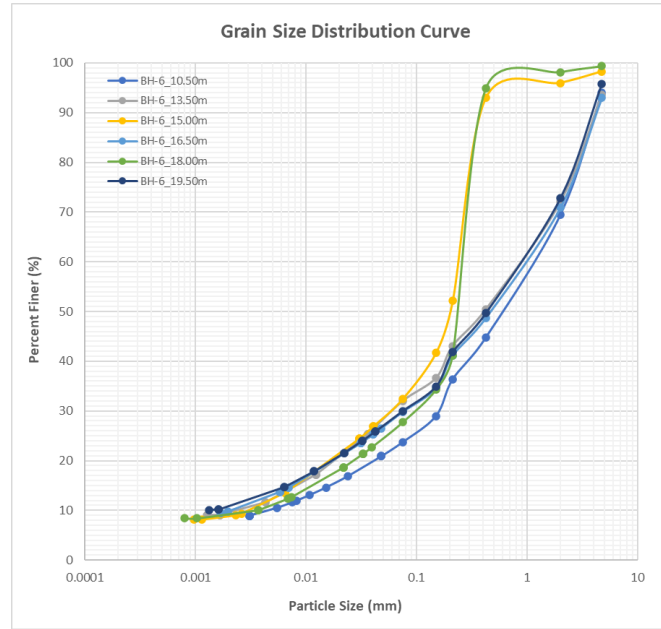
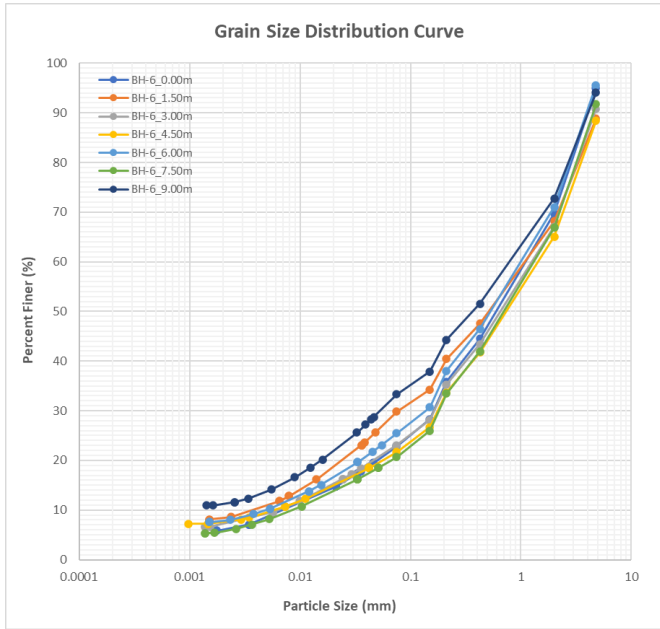
**General**

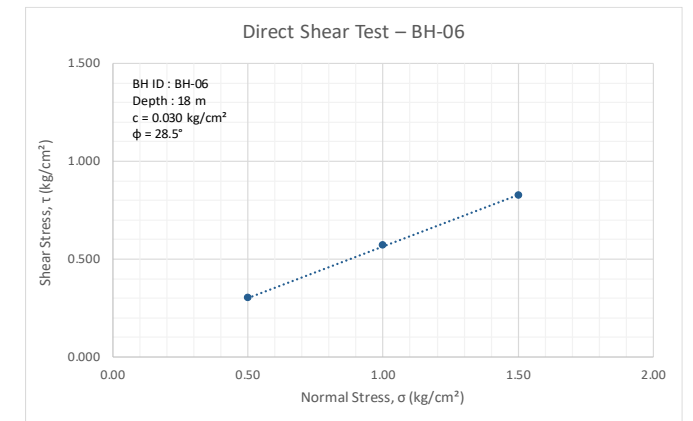
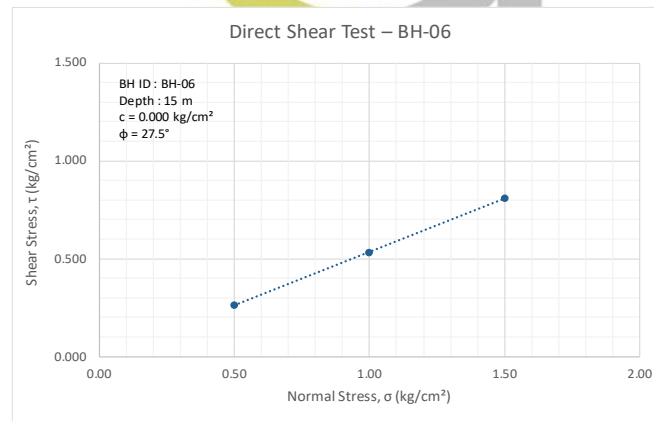
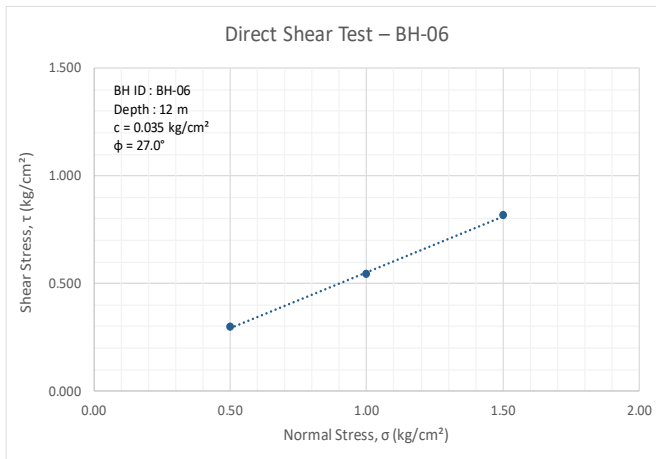
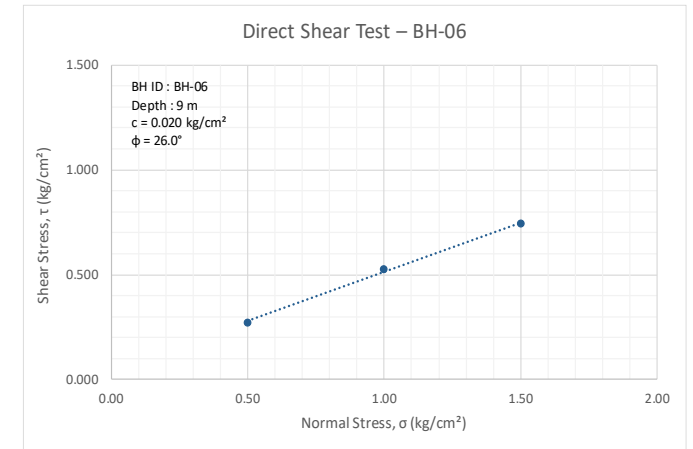
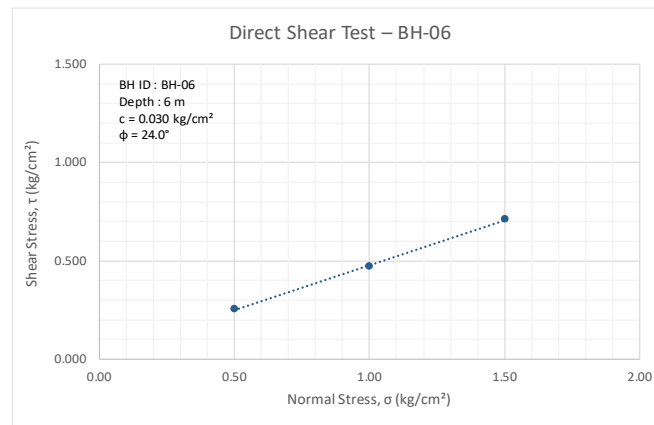
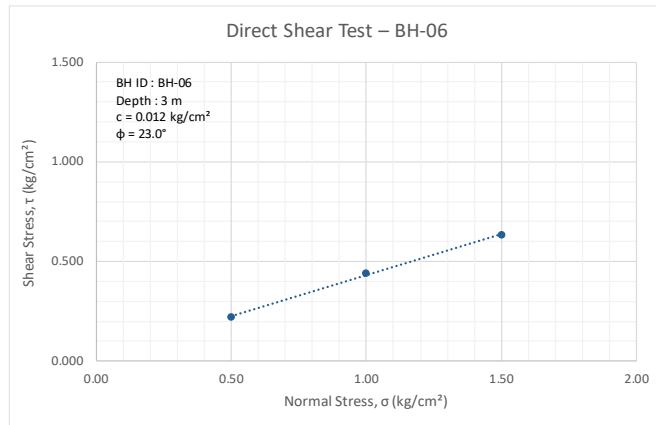
- Groundwater Level

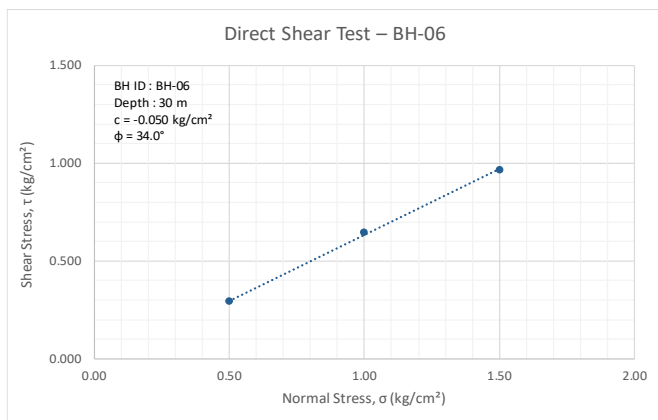
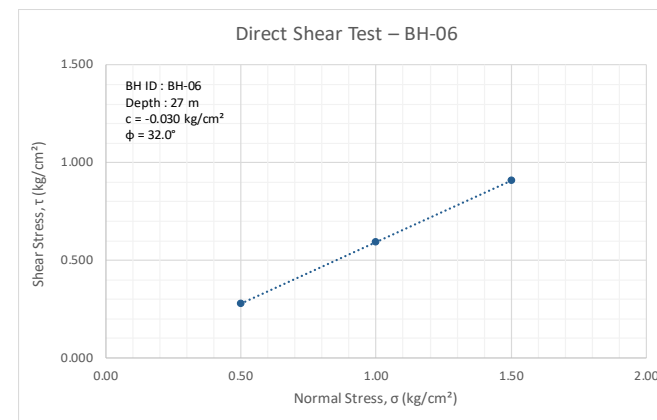
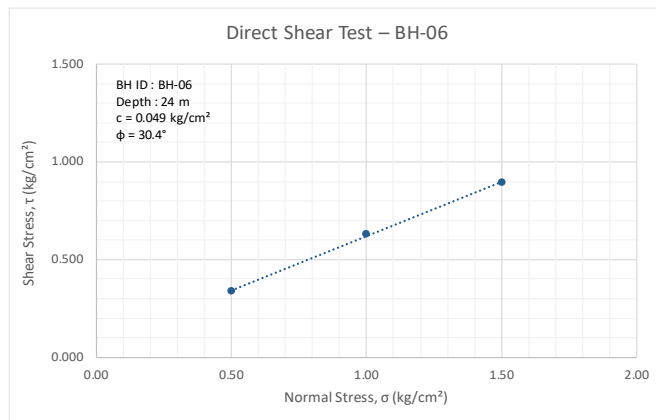
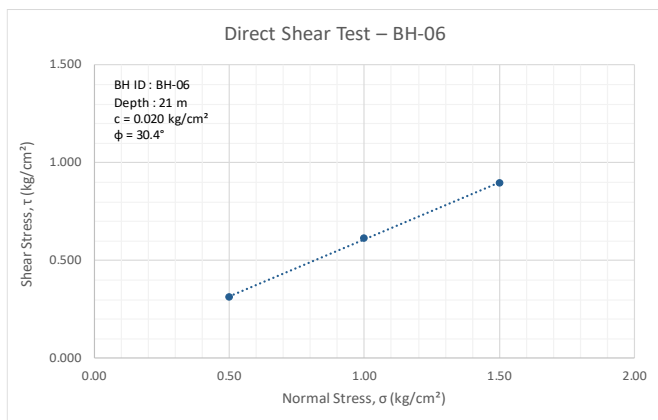
**Soil**

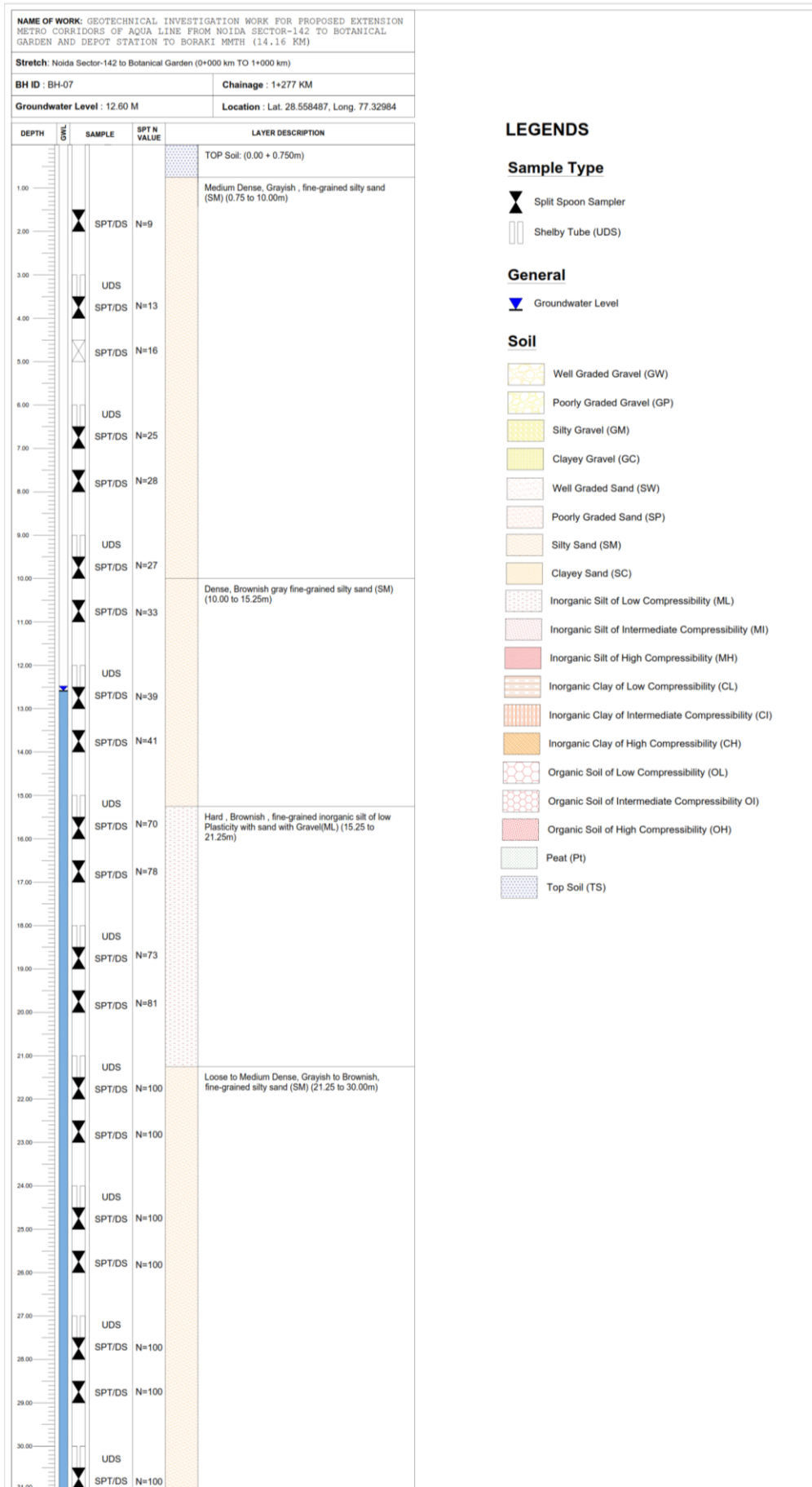
- Well Graded Gravel (GW)
- Poorly Graded Gravel (GP)
- Silty Gravel (GM)
- Clayey Gravel (GC)
- Well Graded Sand (SW)
- Poorly Graded Sand (SP)
- Silty Sand (SM)
- Clayey Sand (SC)
- Inorganic Silt of Low Compressibility (ML)
- Inorganic Silt of Intermediate Compressibility (MI)
- Inorganic Silt of High Compressibility (MH)
- Inorganic Clay of Low Compressibility (CL)
- Inorganic Clay of Intermediate Compressibility (CI)
- Inorganic Clay of High Compressibility (CH)
- Organic Soil of Low Compressibility (OL)
- Organic Soil of Intermediate Compressibility (OI)
- Organic Soil of High Compressibility (OH)
- Peat (Pt)
- Top Soil (TS)



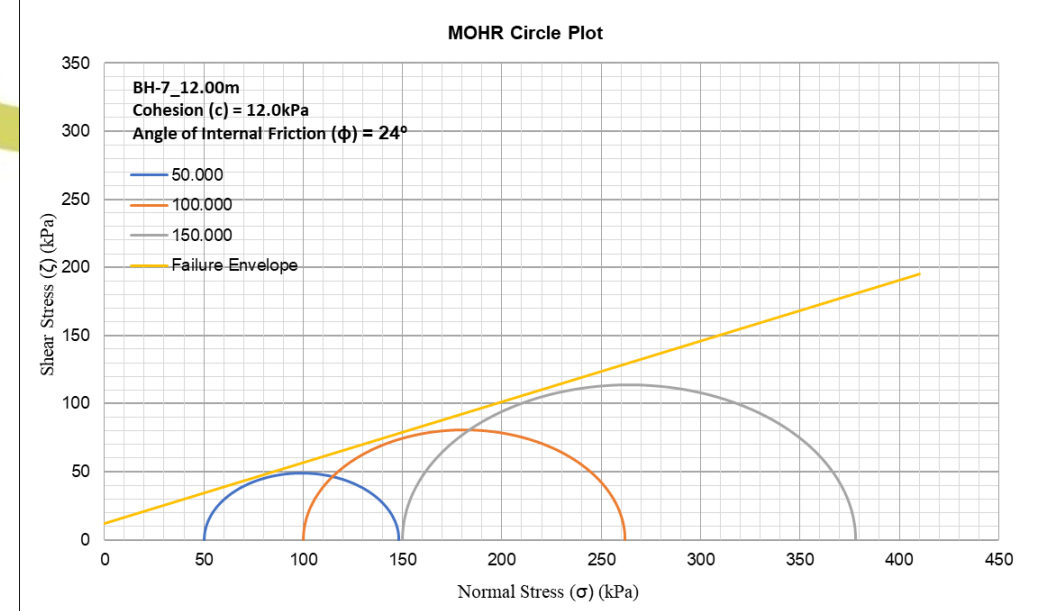
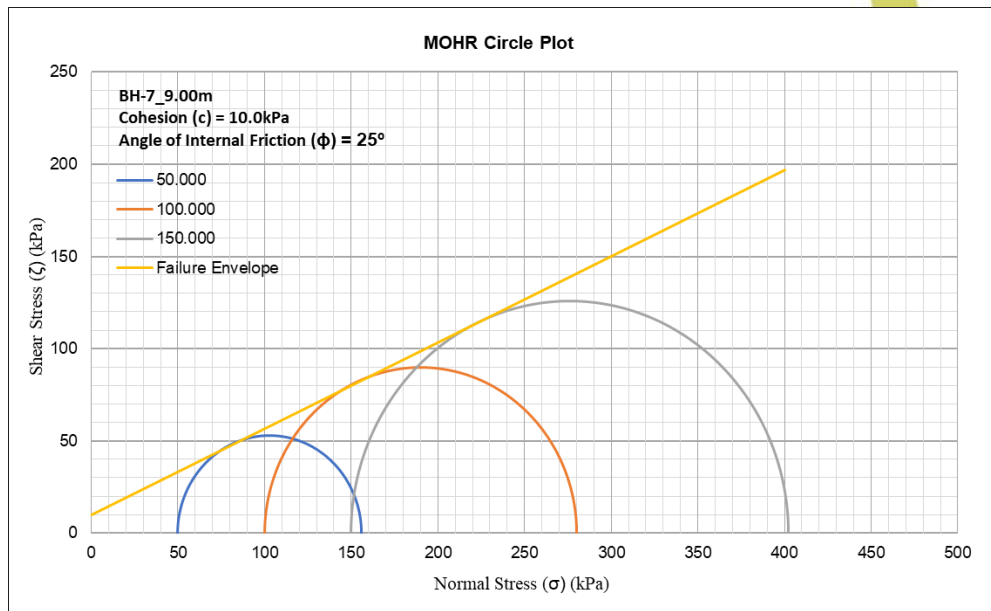
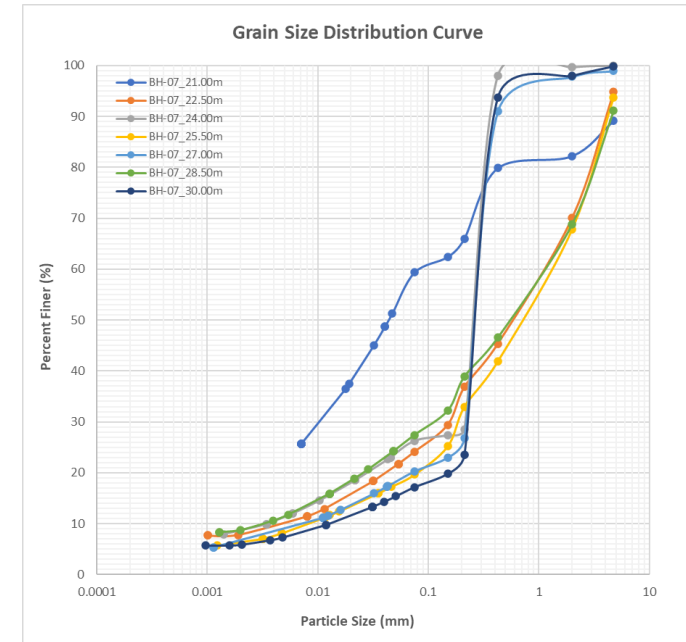
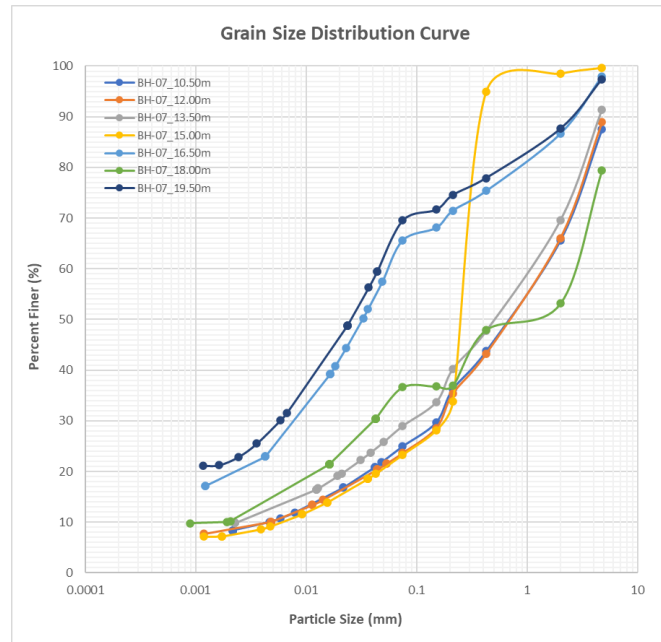
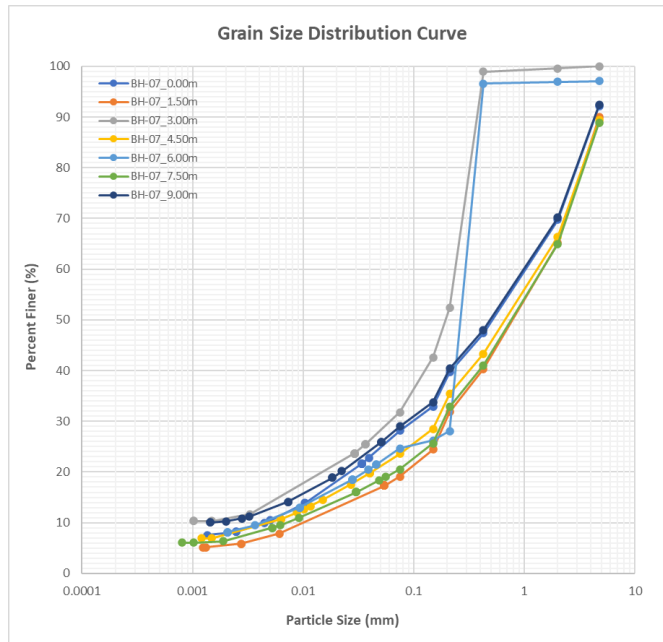


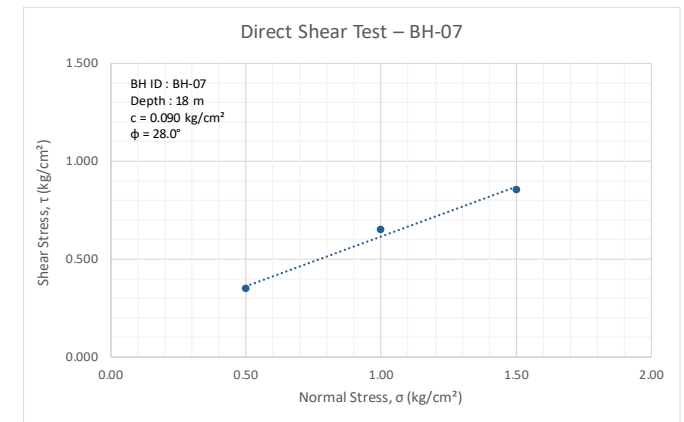
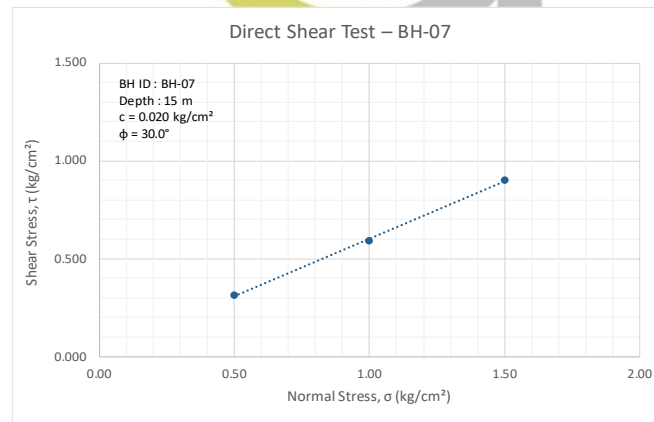
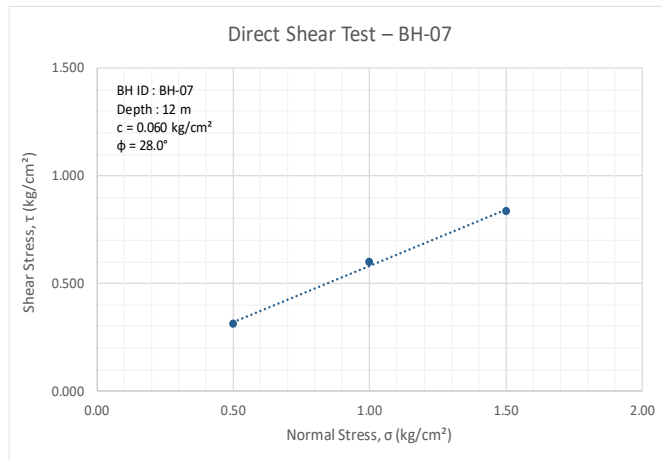
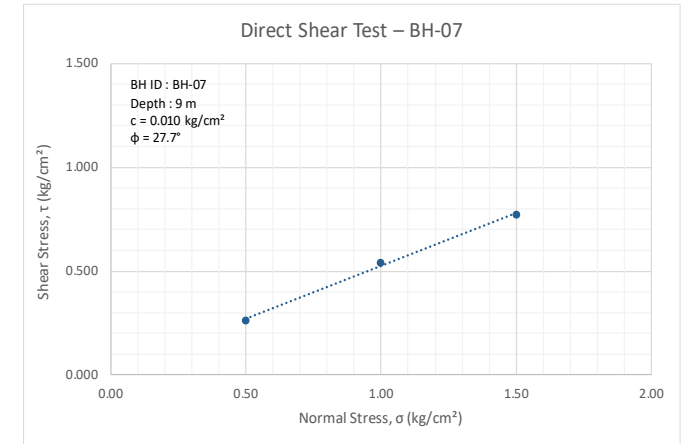
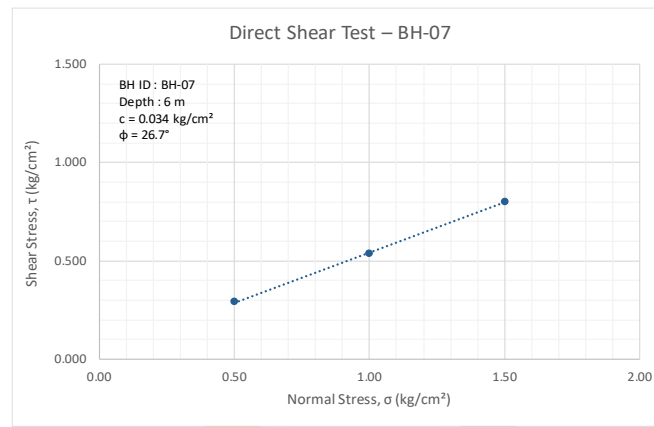
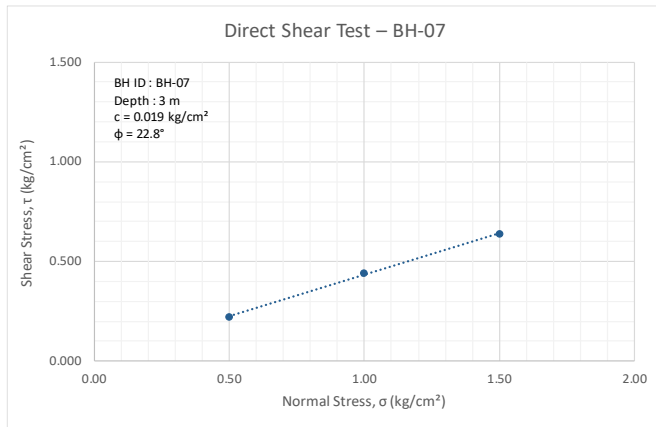


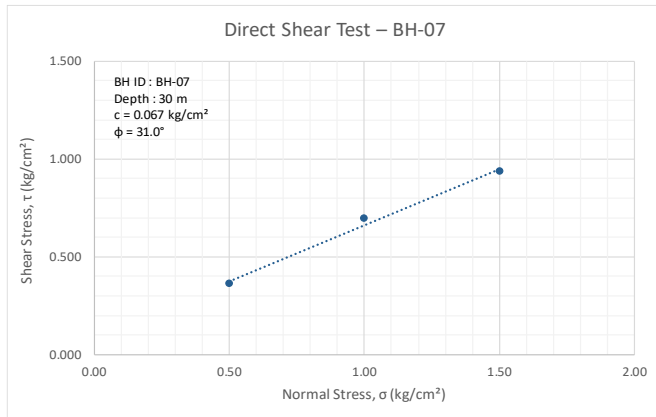
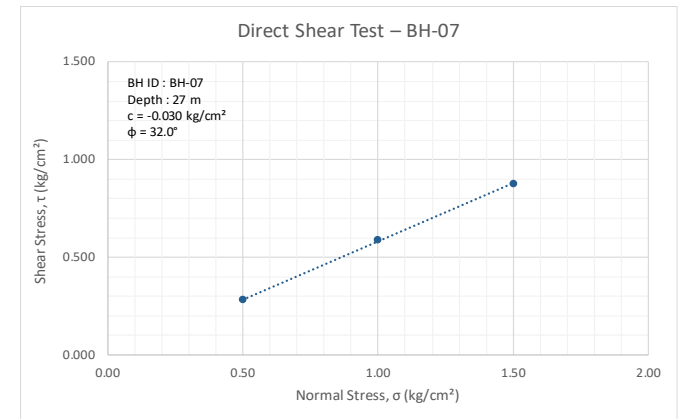
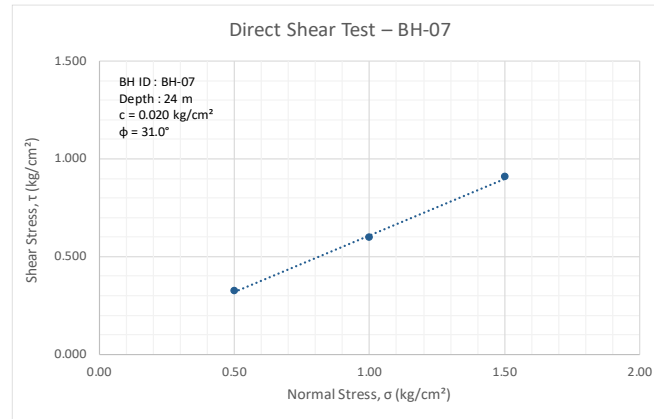
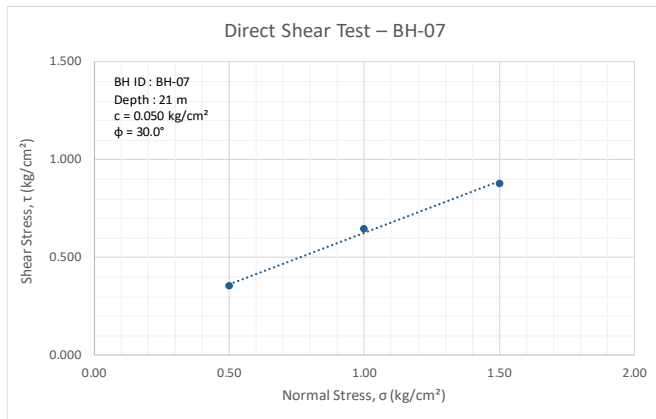


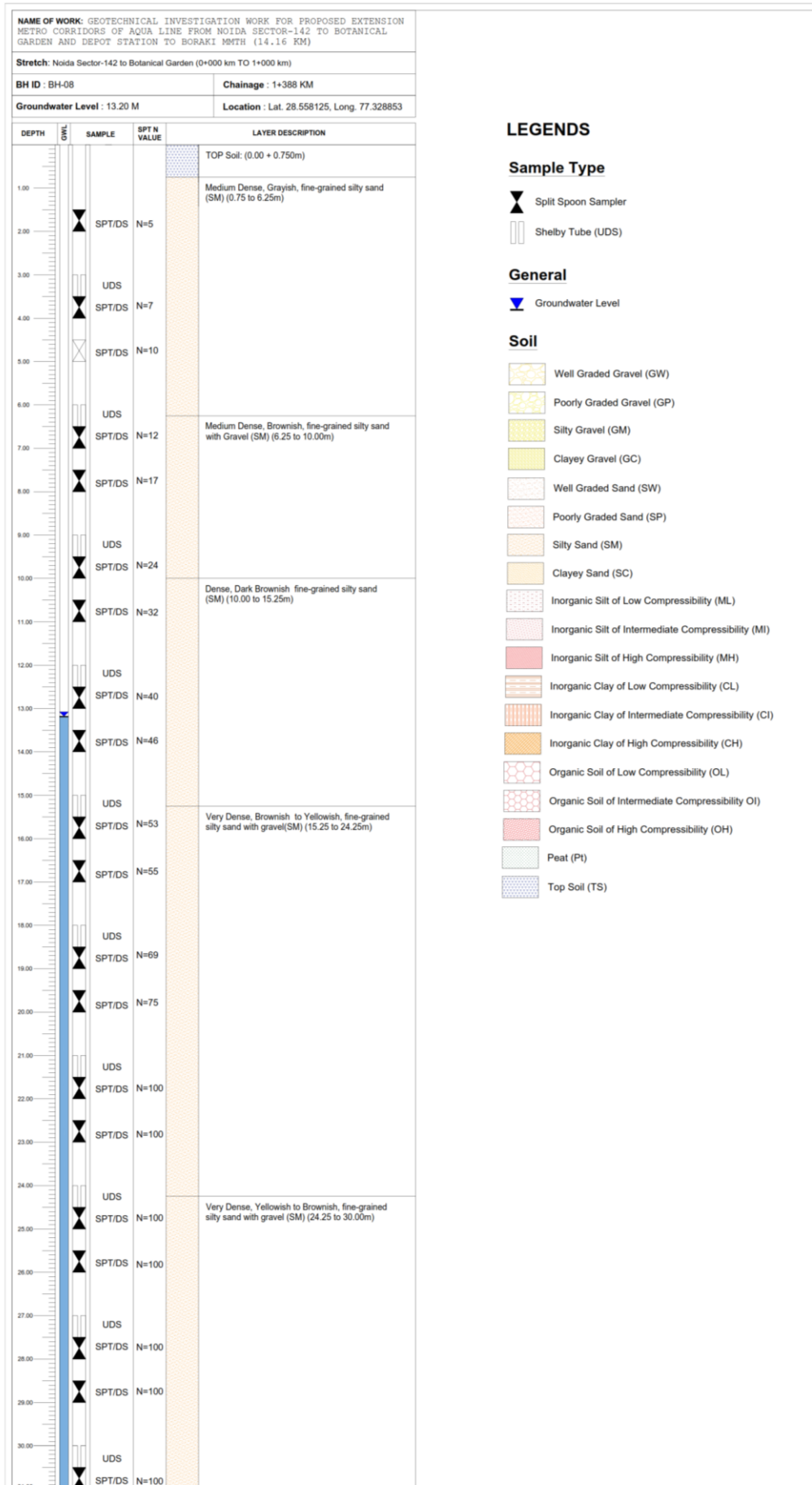




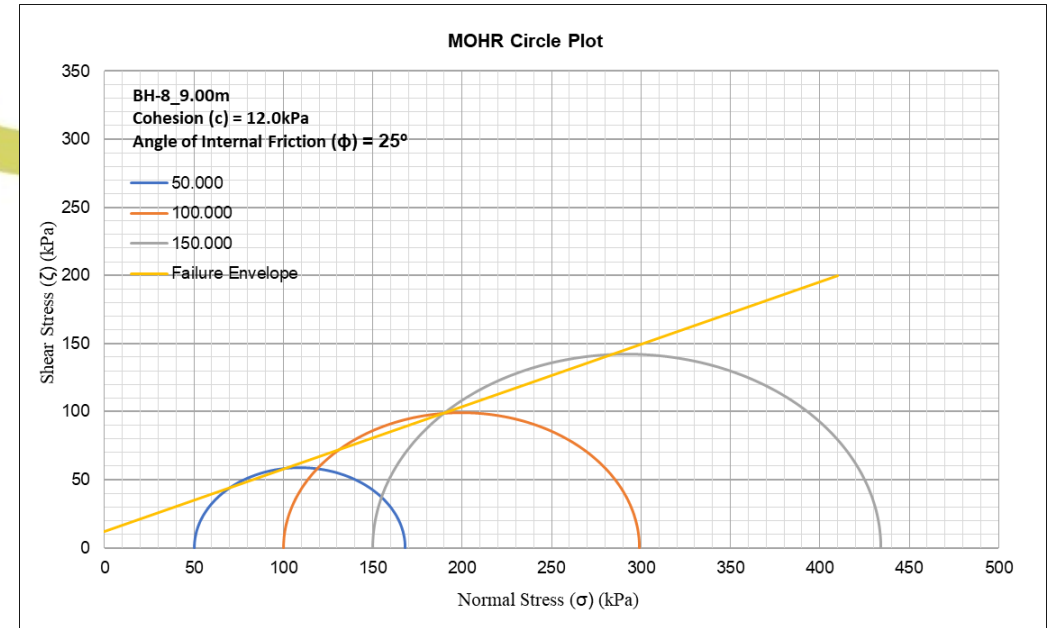
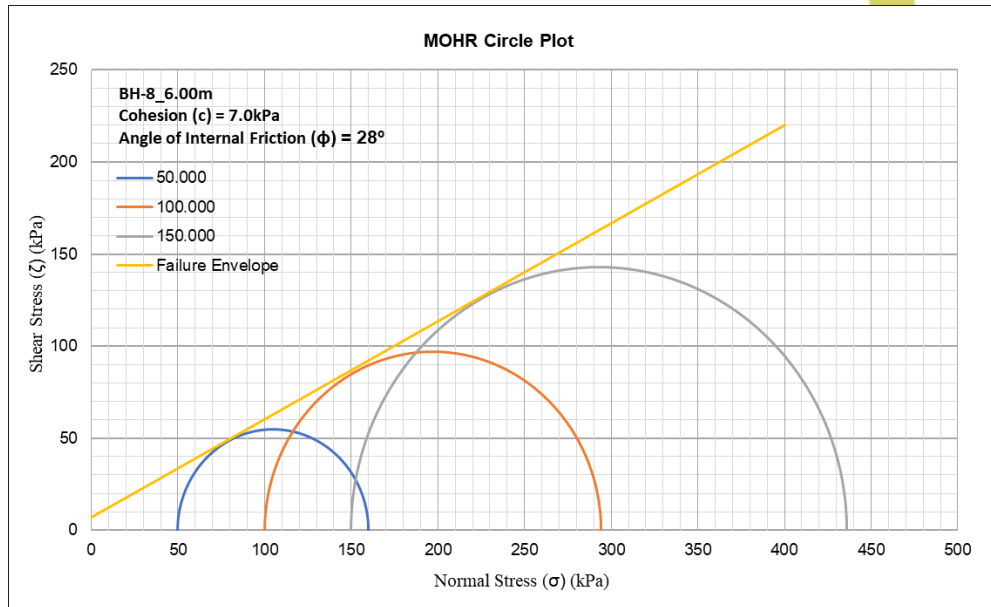
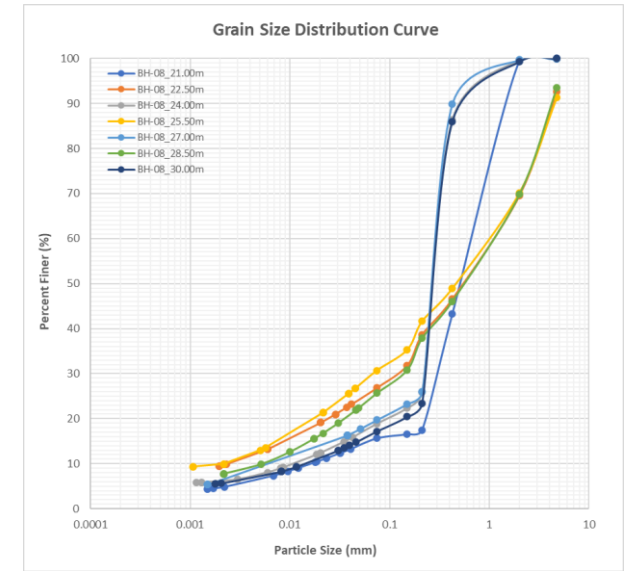
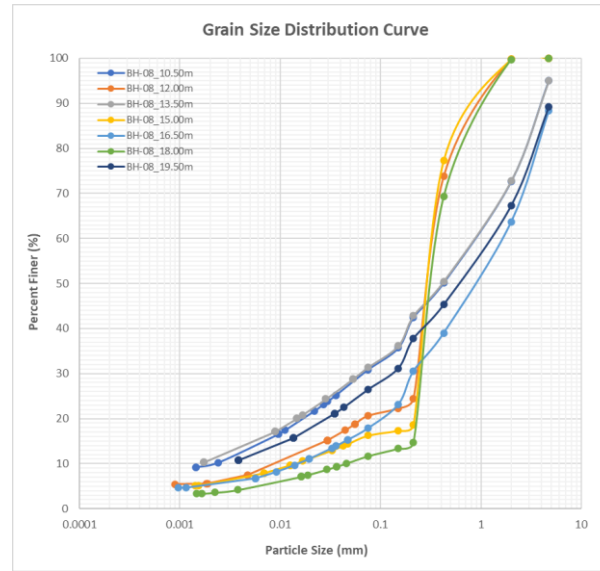
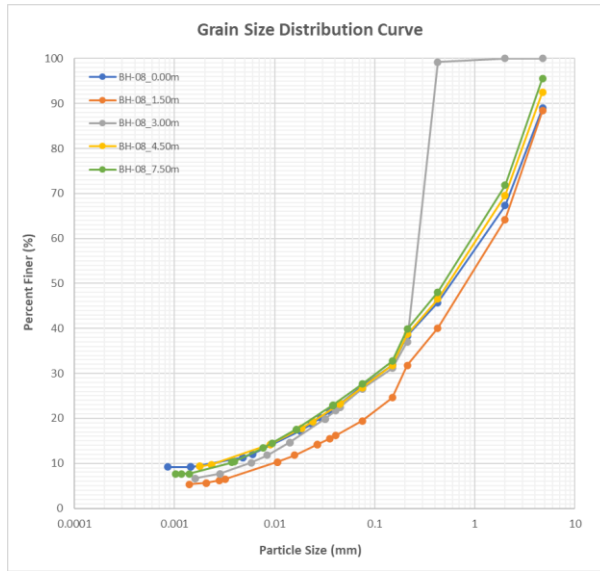


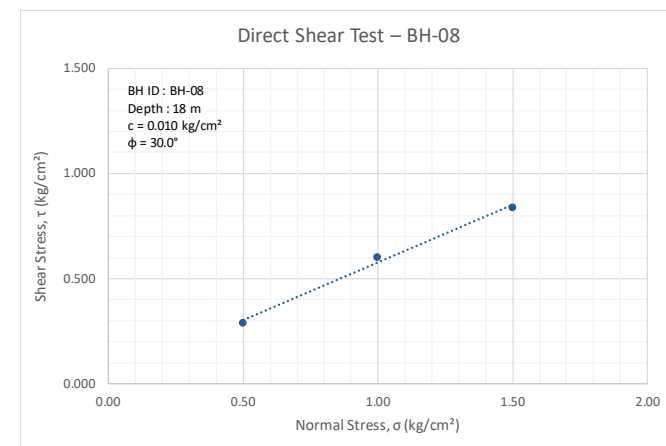
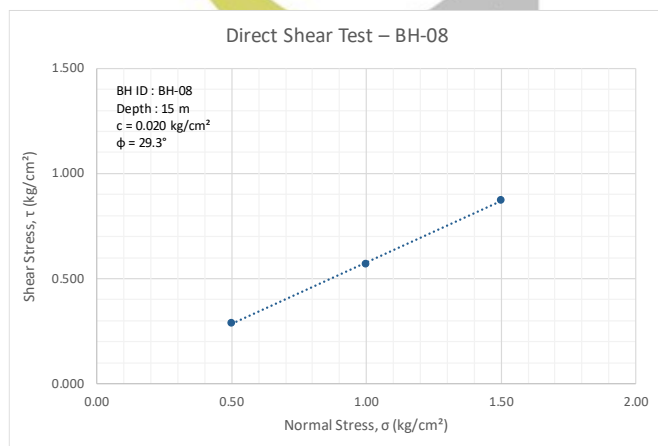
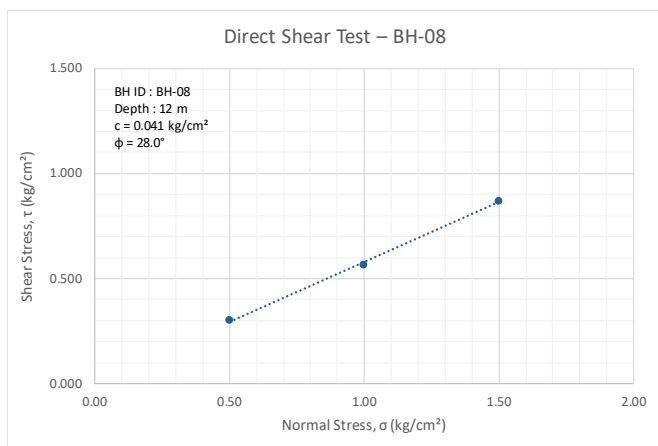
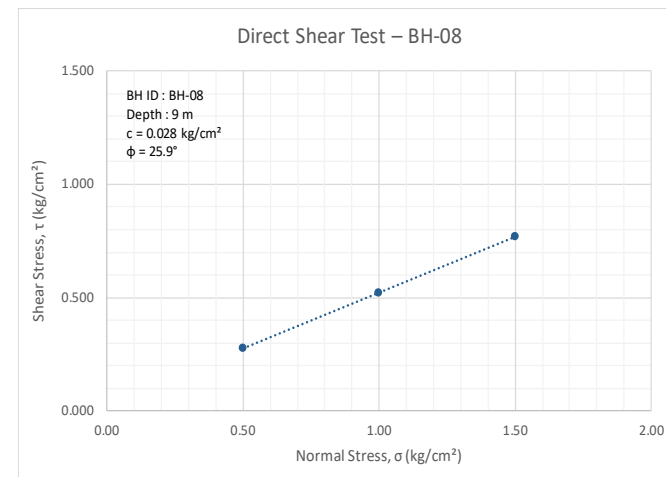
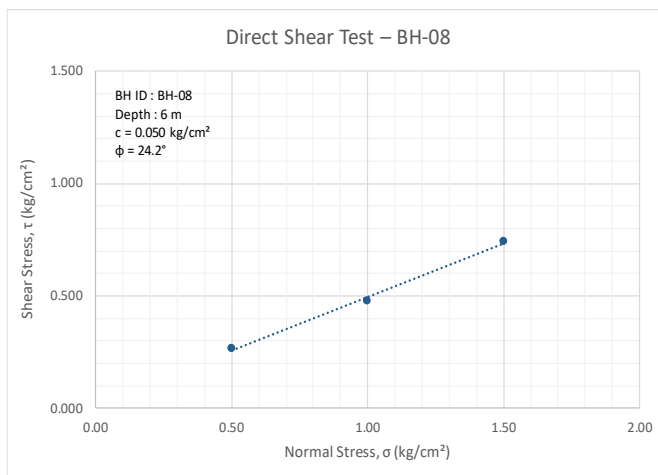
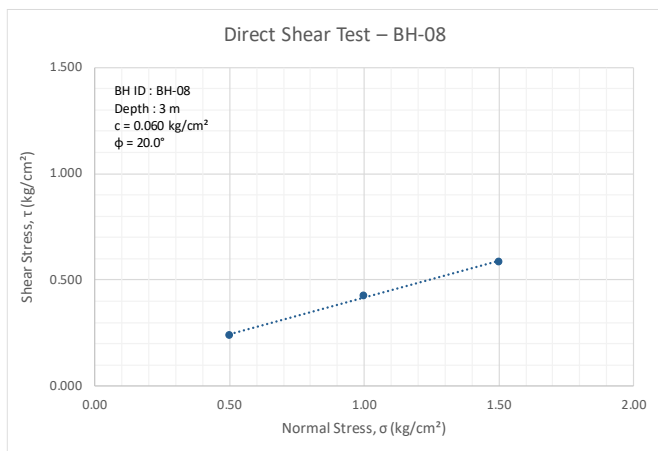


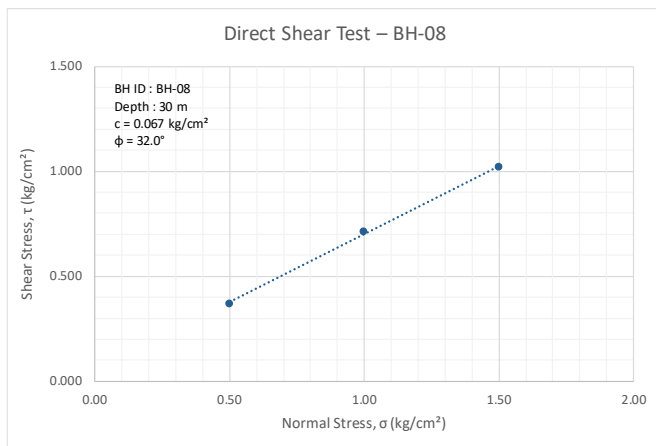
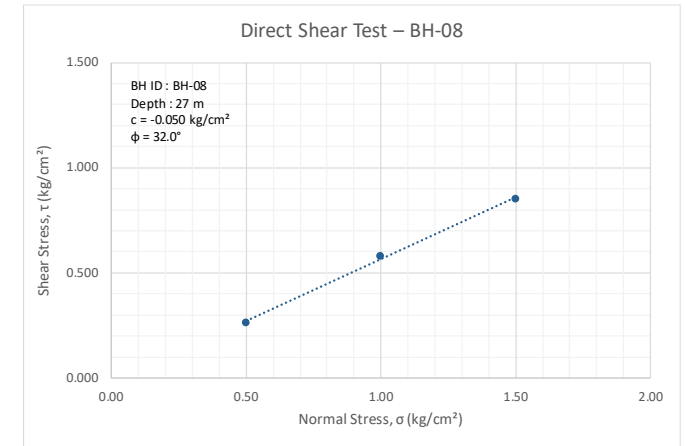
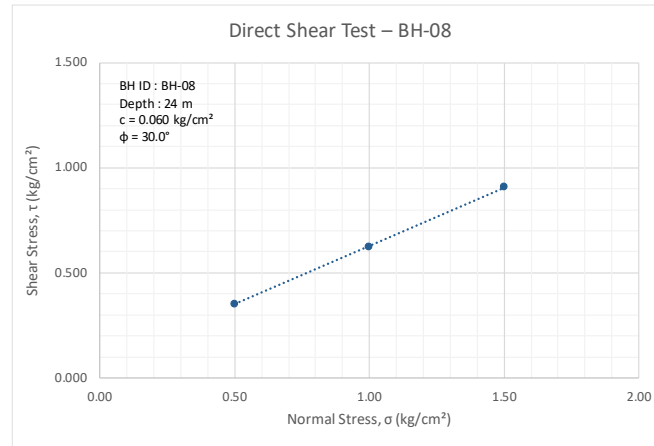
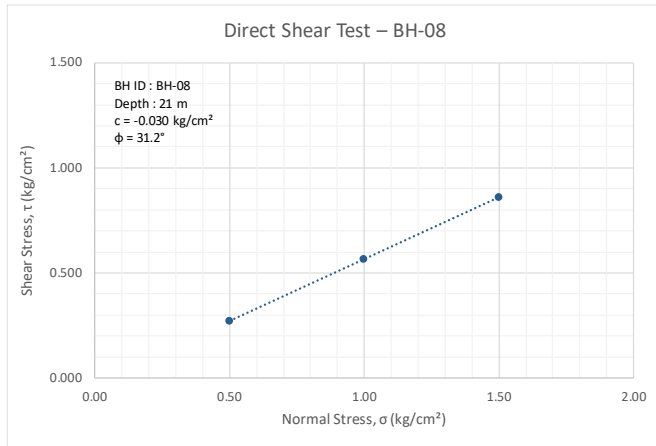








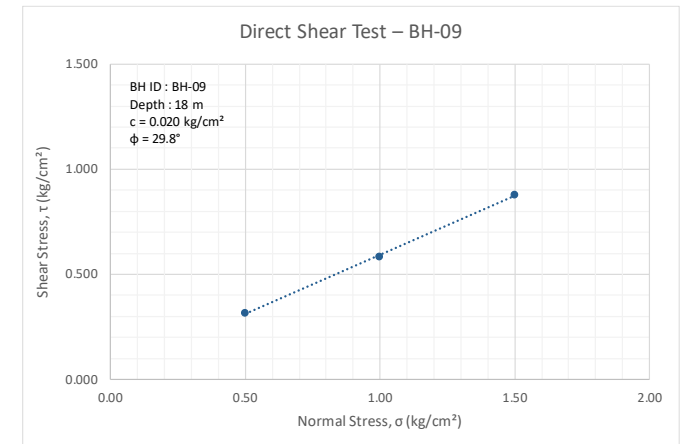
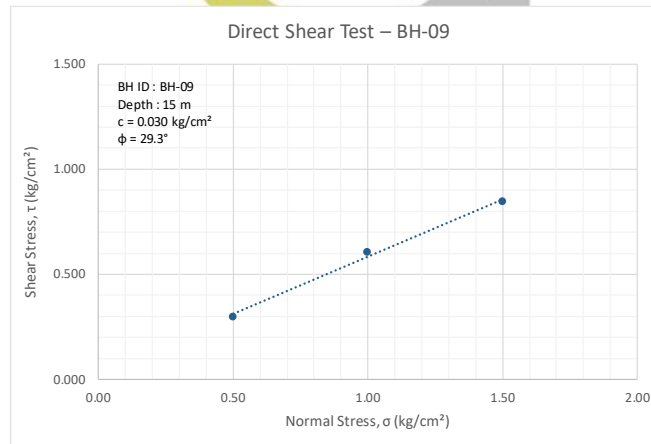
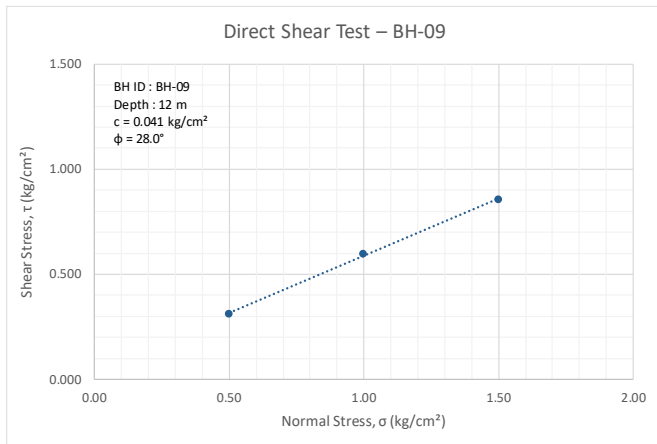
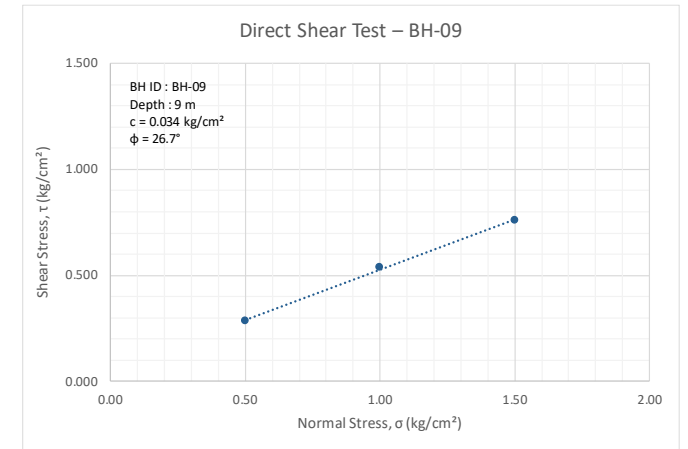
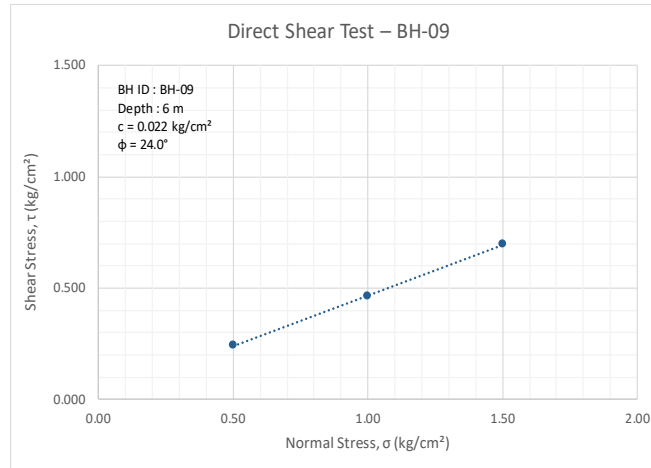
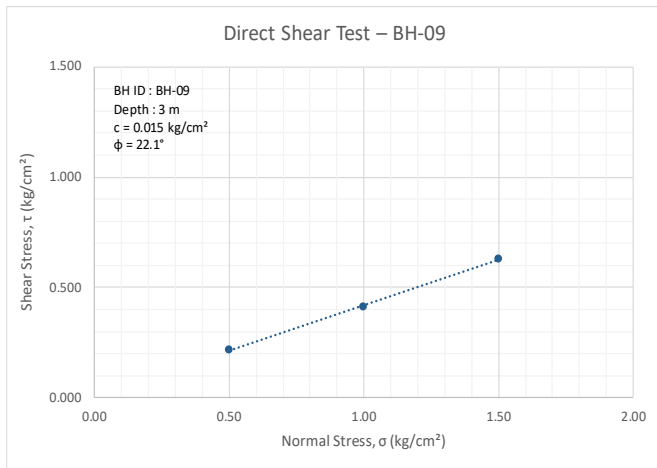


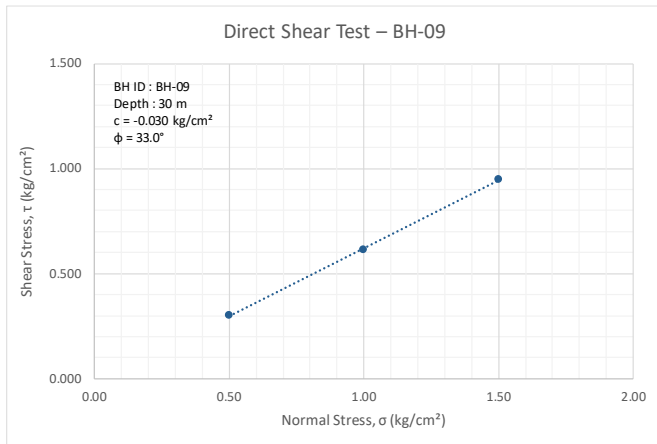
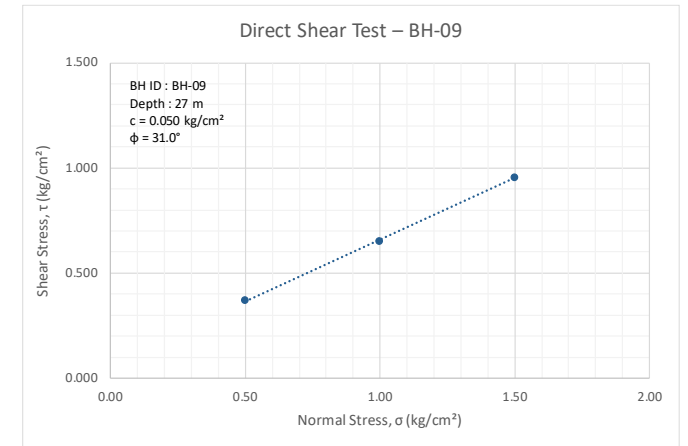
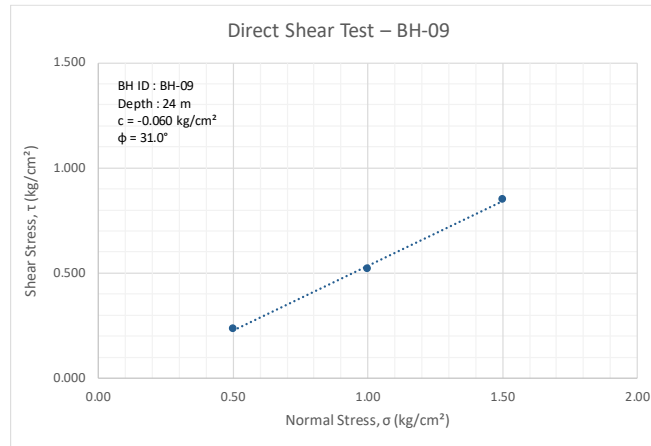
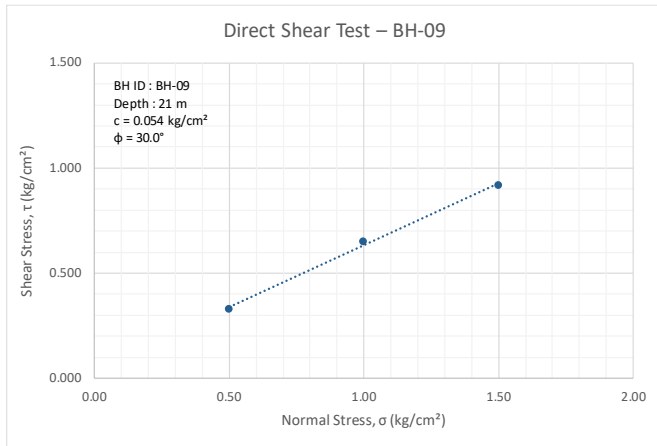






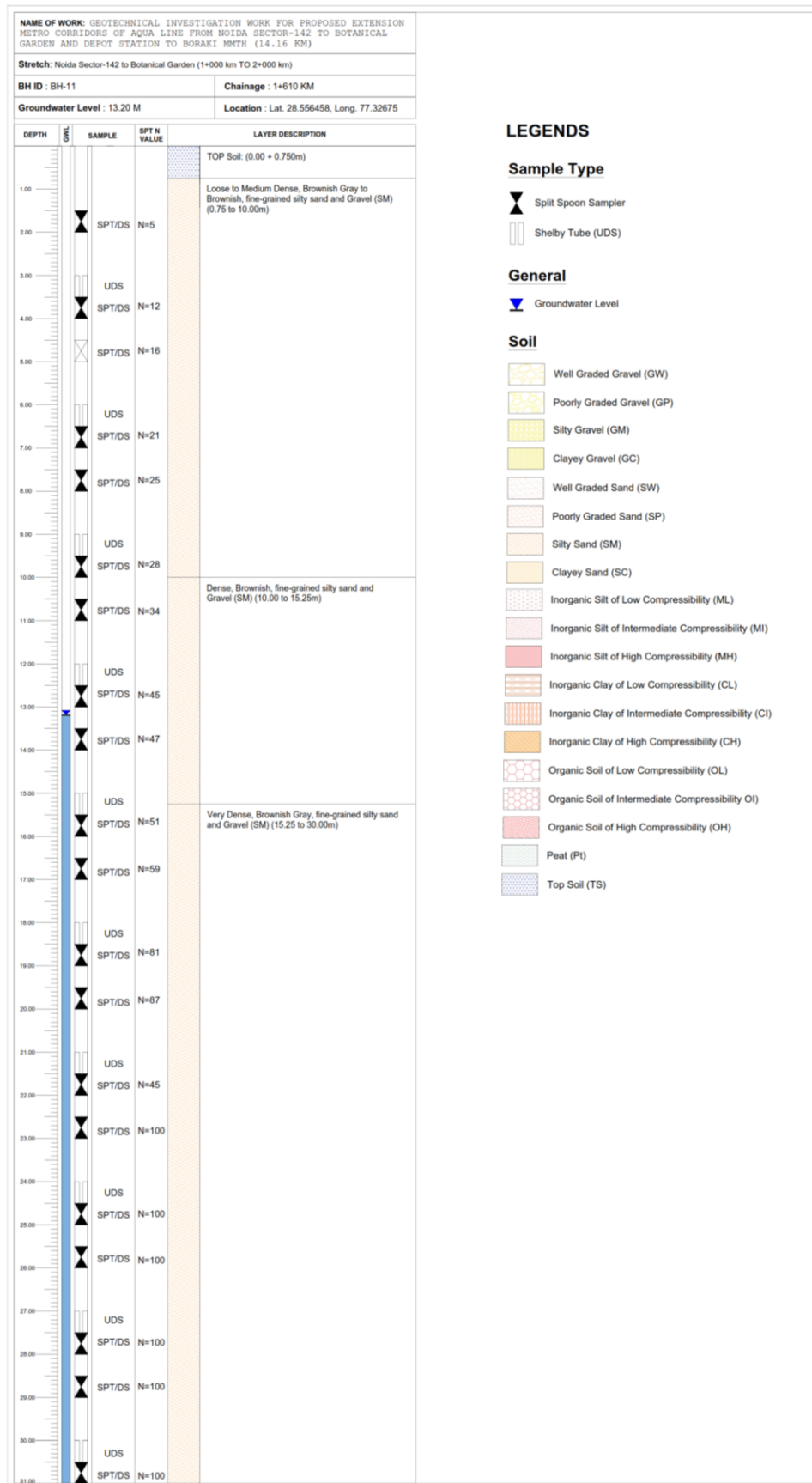




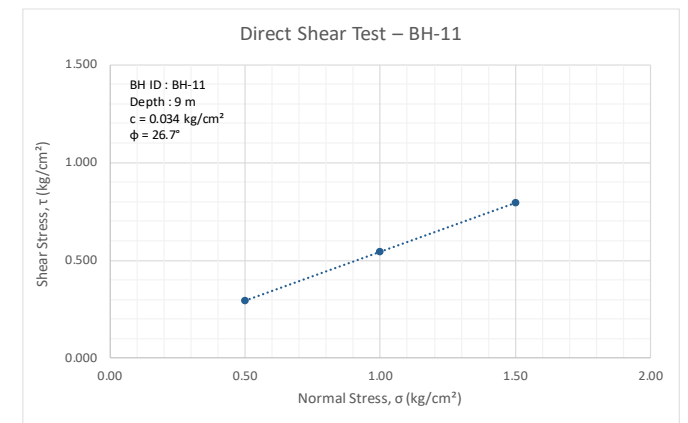
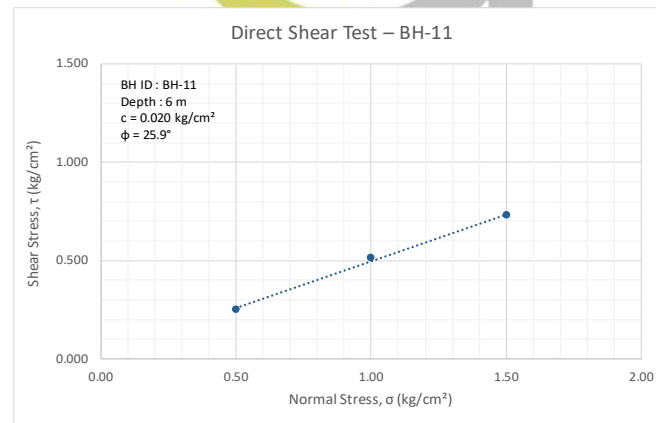
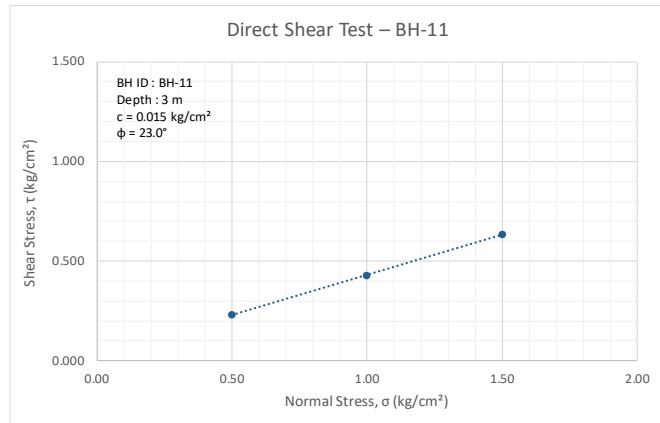
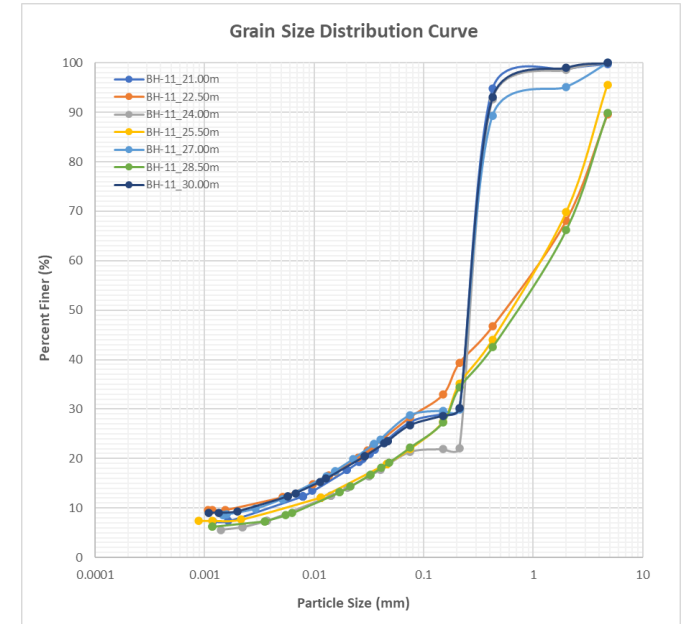
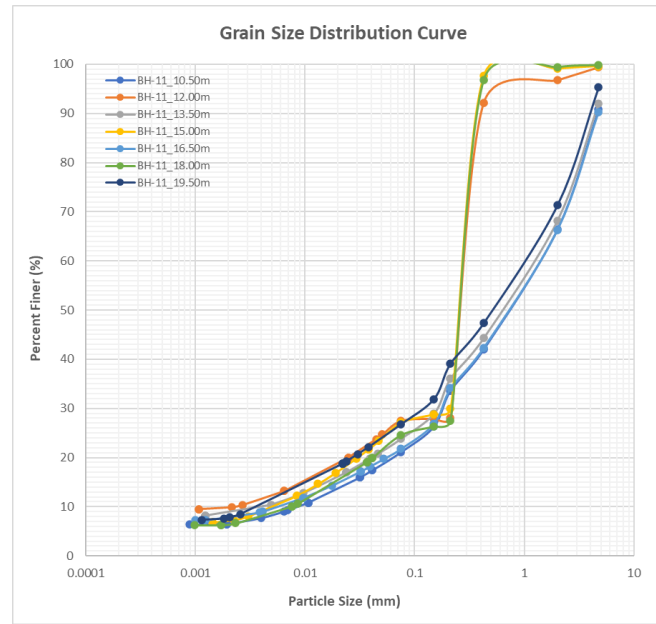
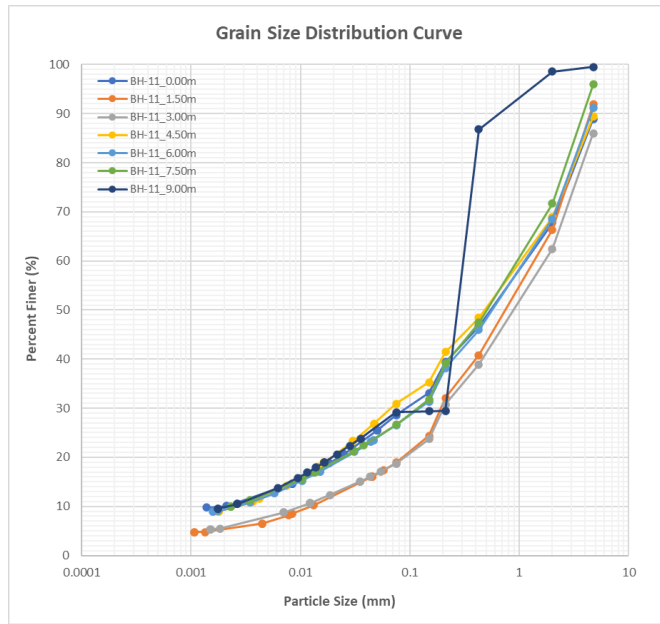




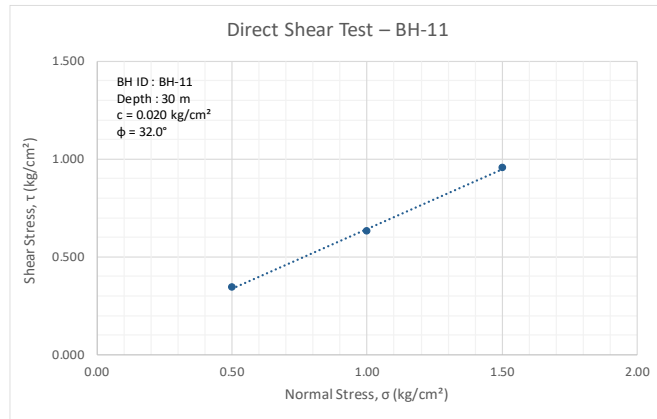
### C.3. Zone 3: CH: 1+450 km to 2+515 km (BH-11 to BH-20A)





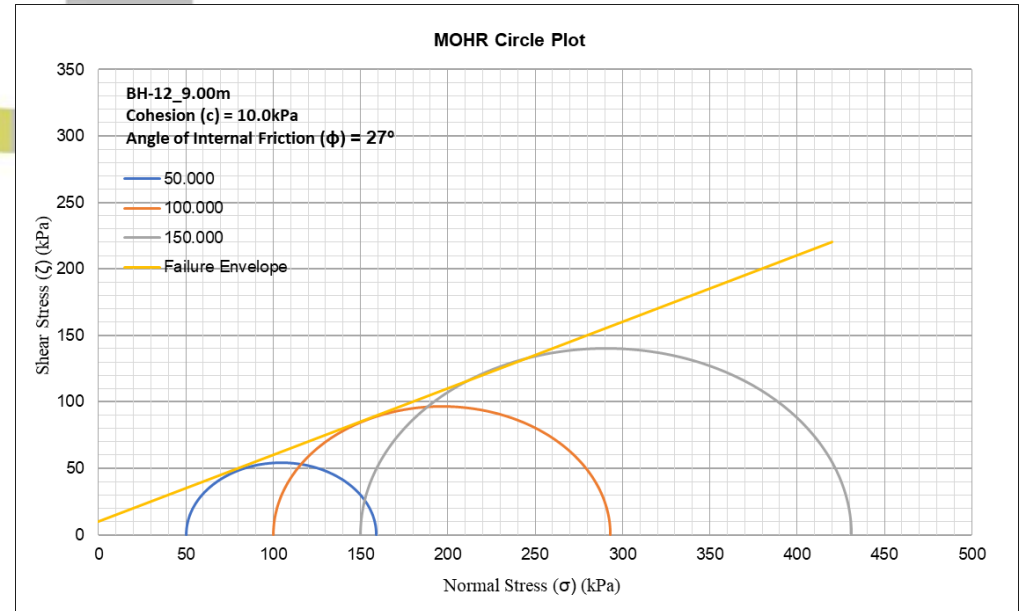
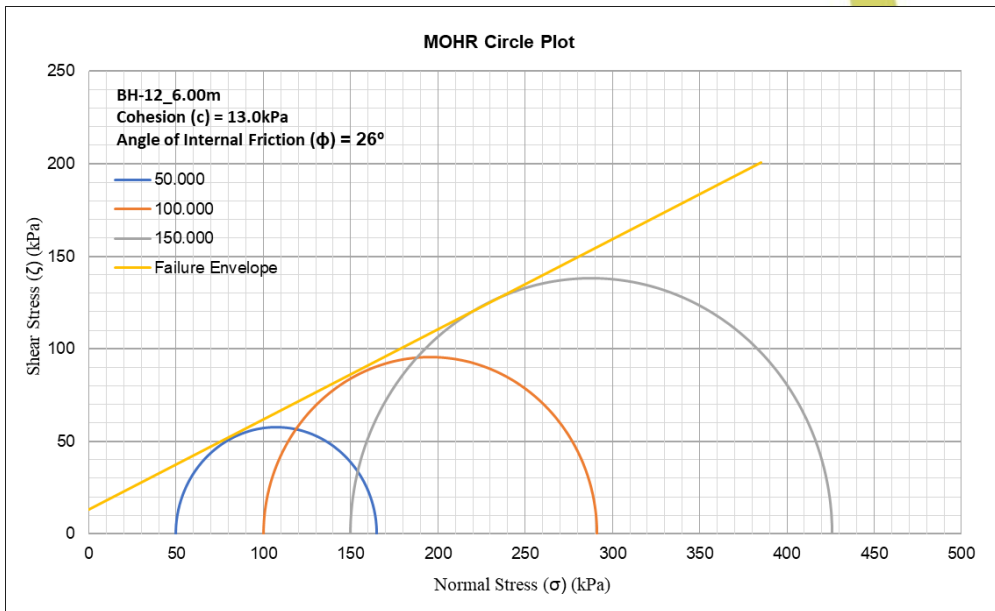
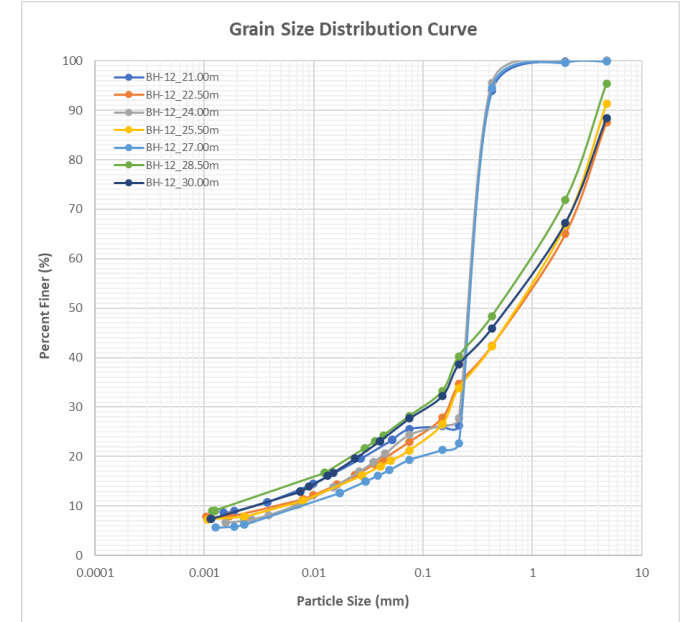
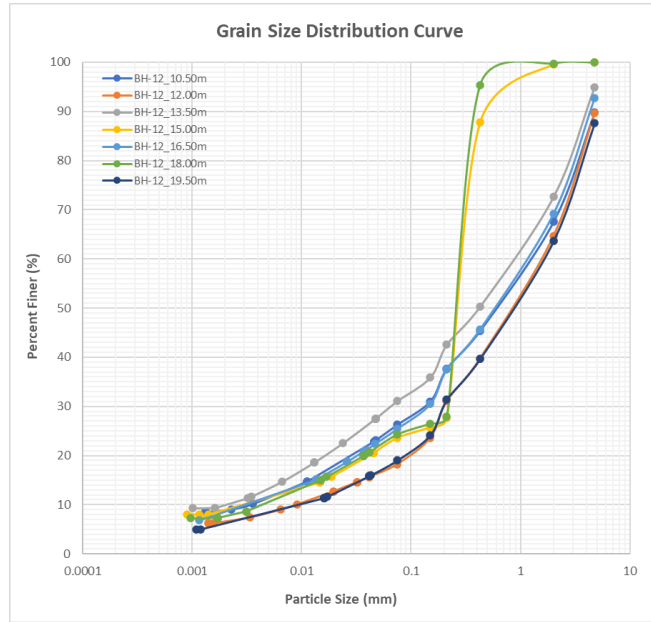
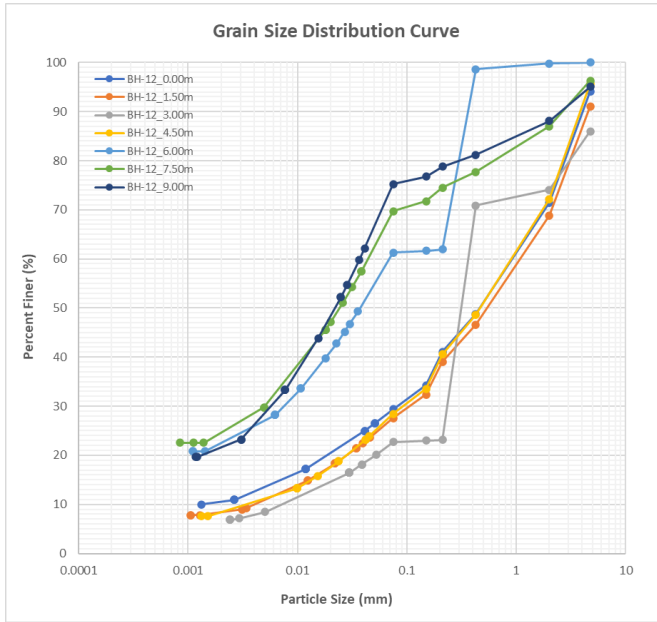




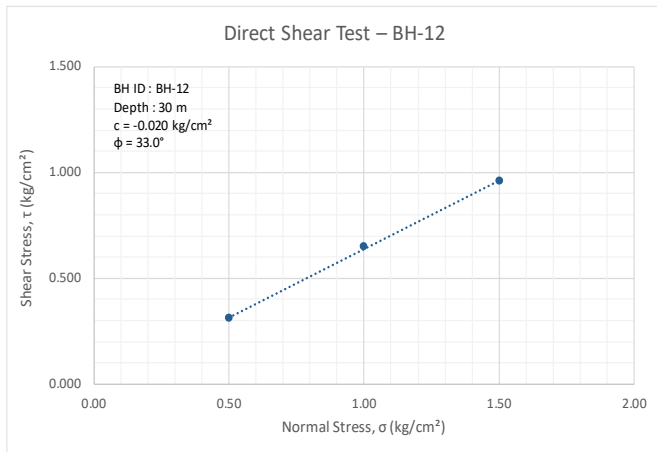
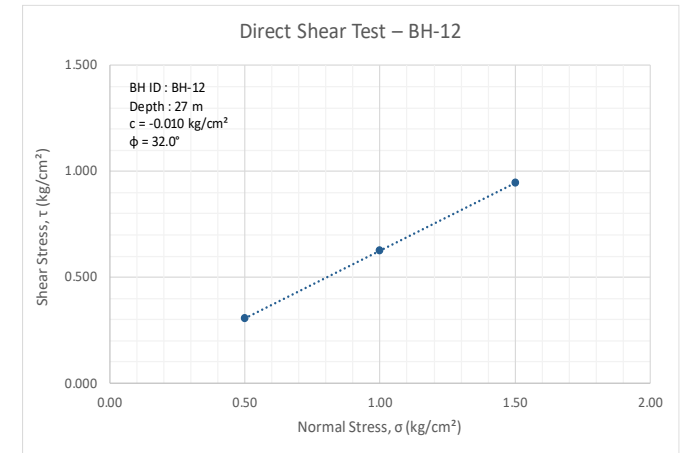
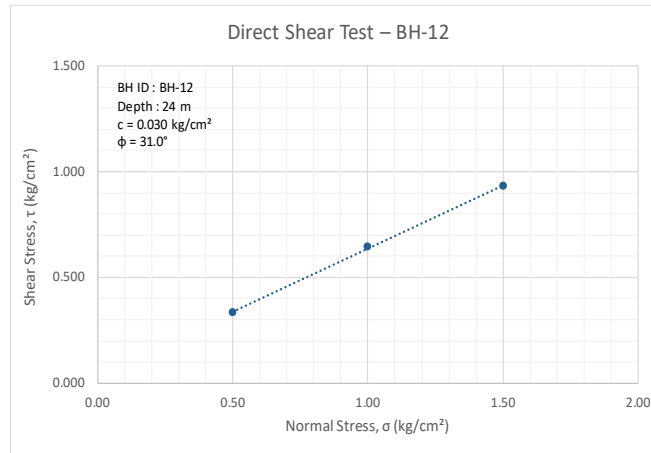
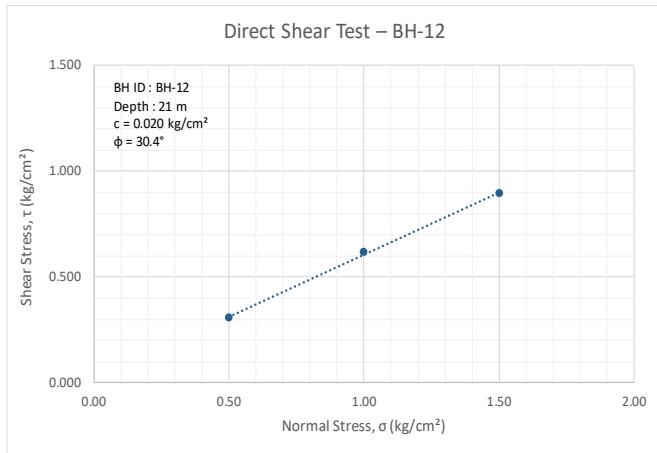






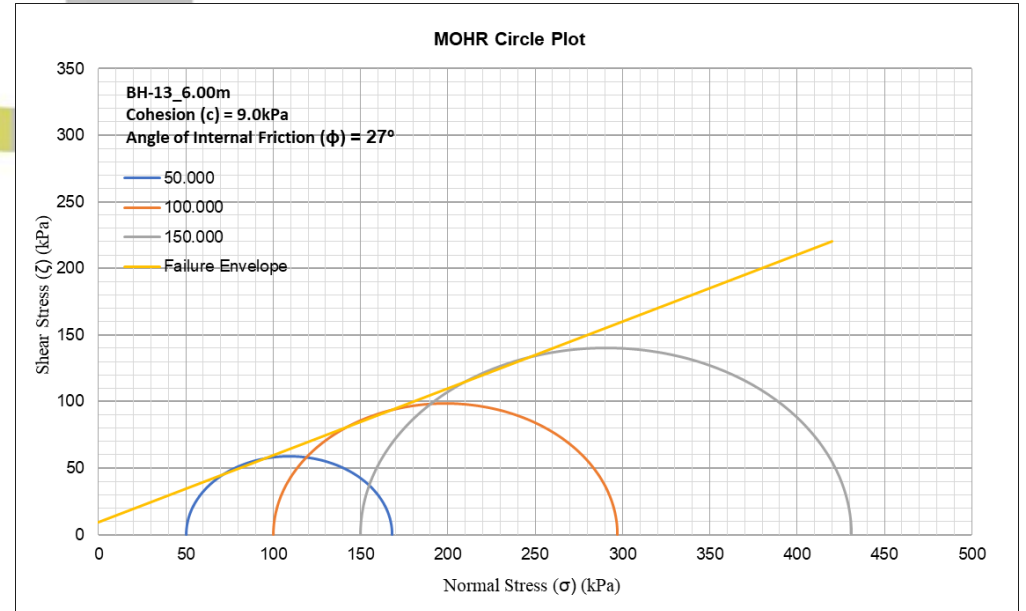
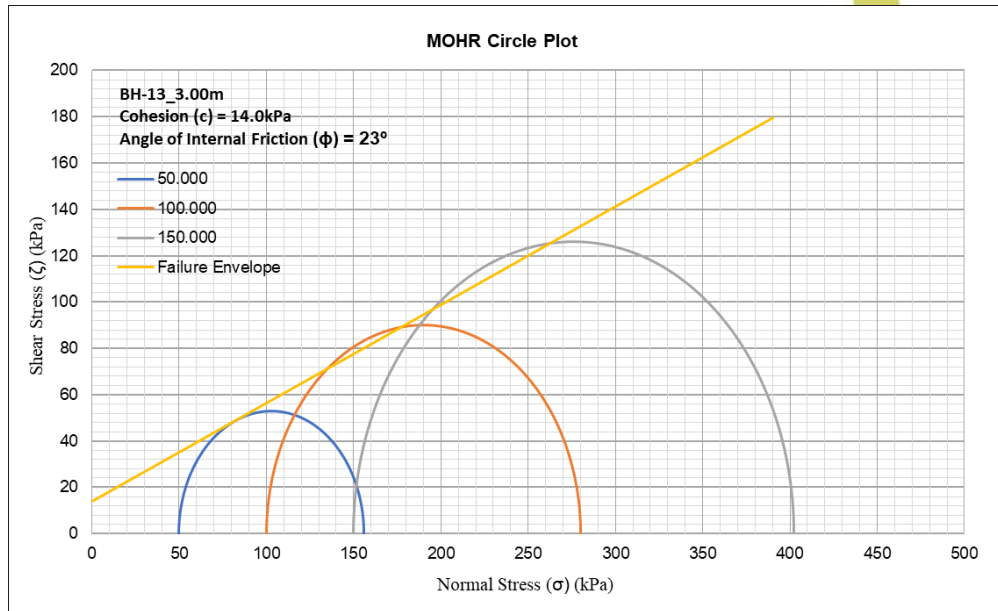
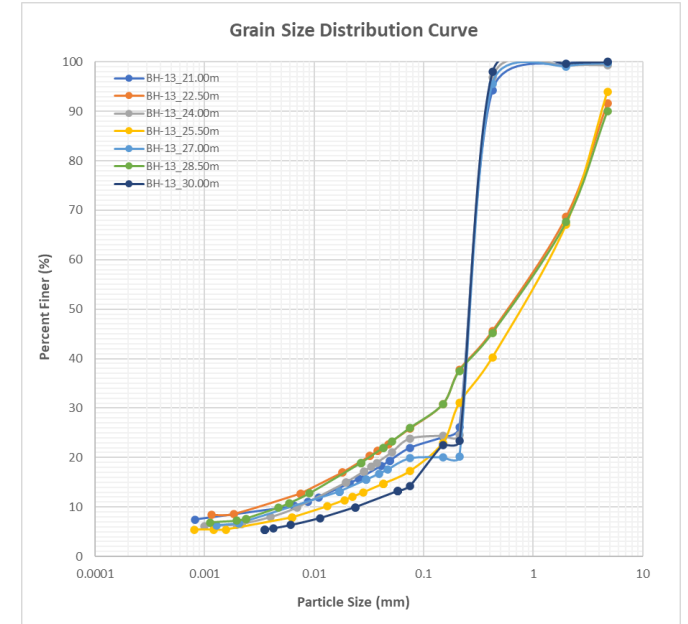
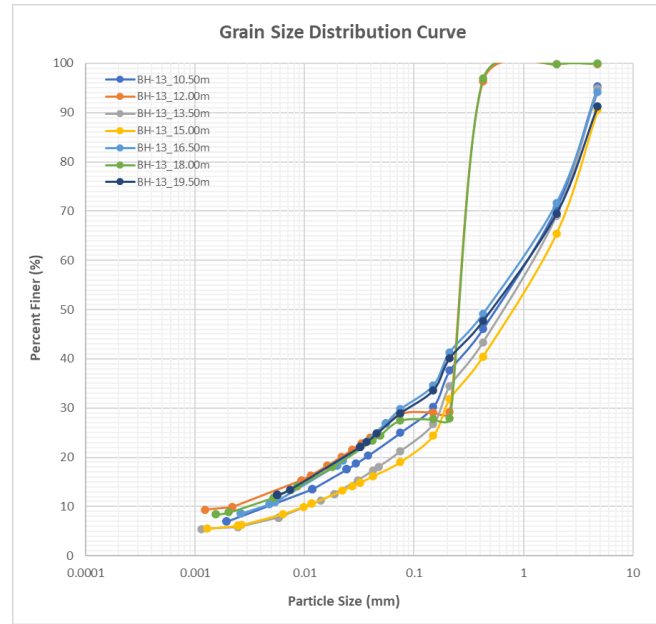
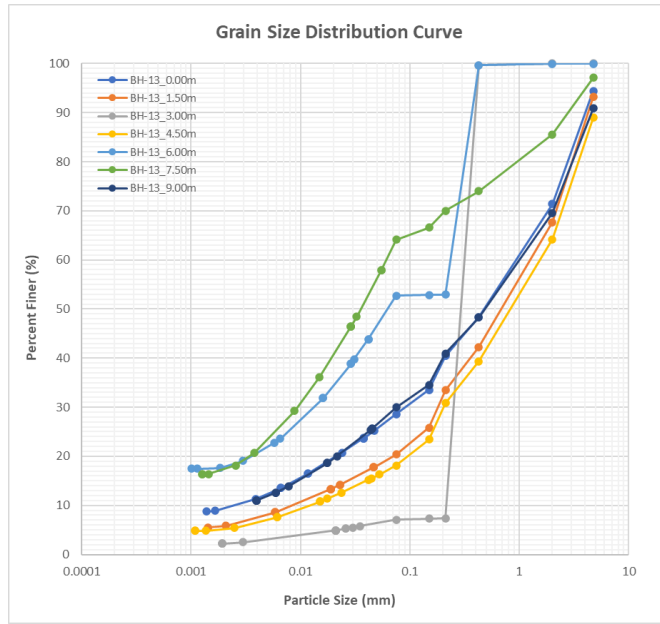


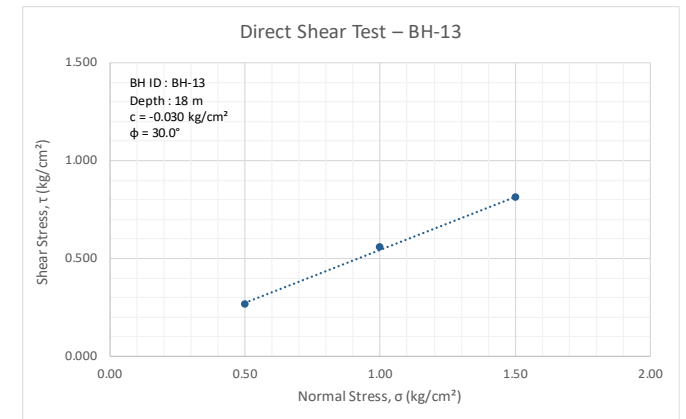
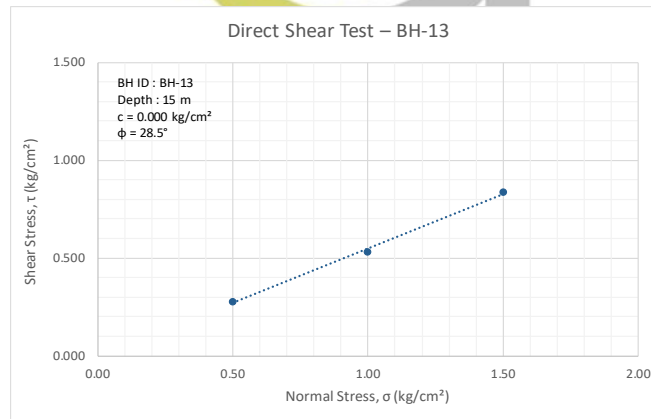
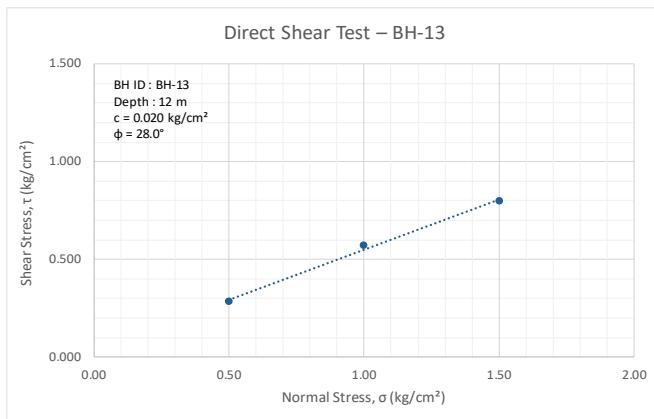
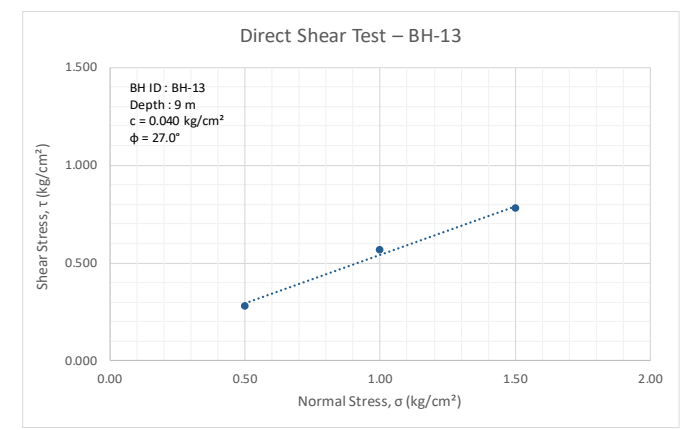
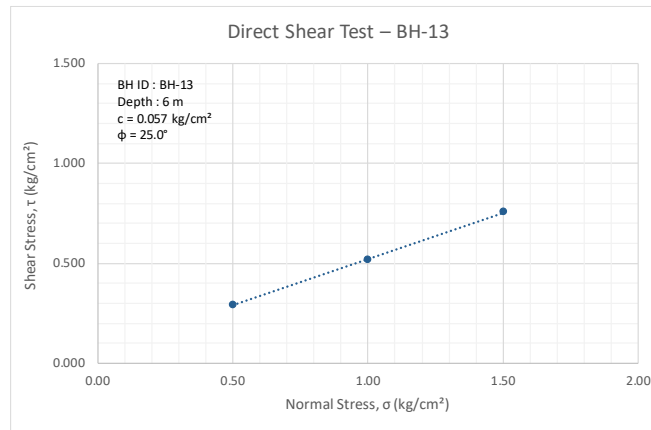
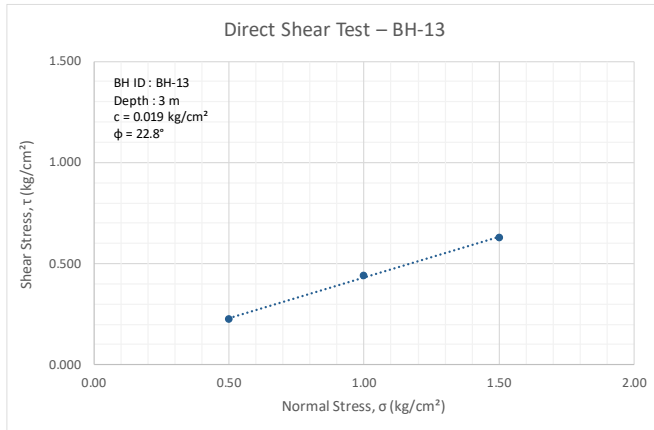


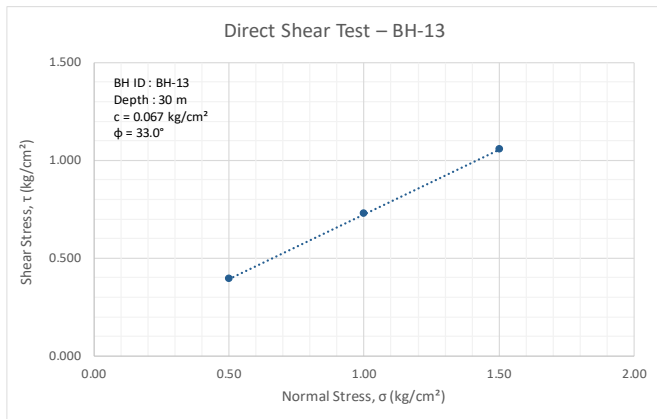
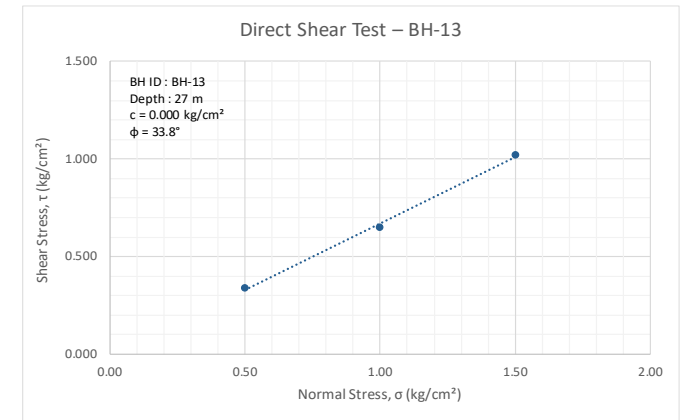
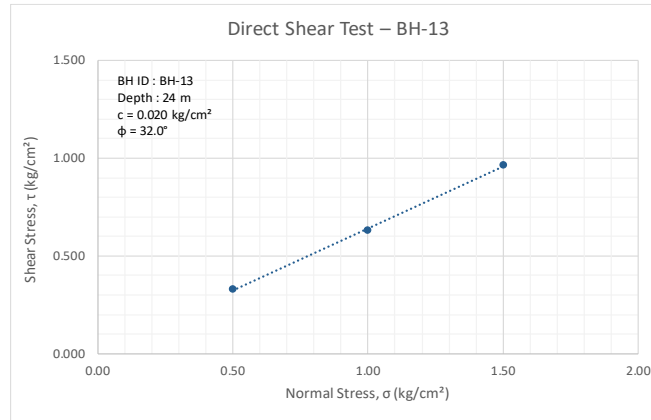
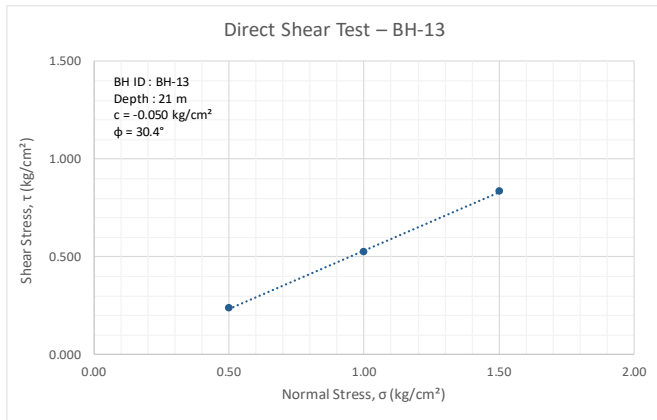






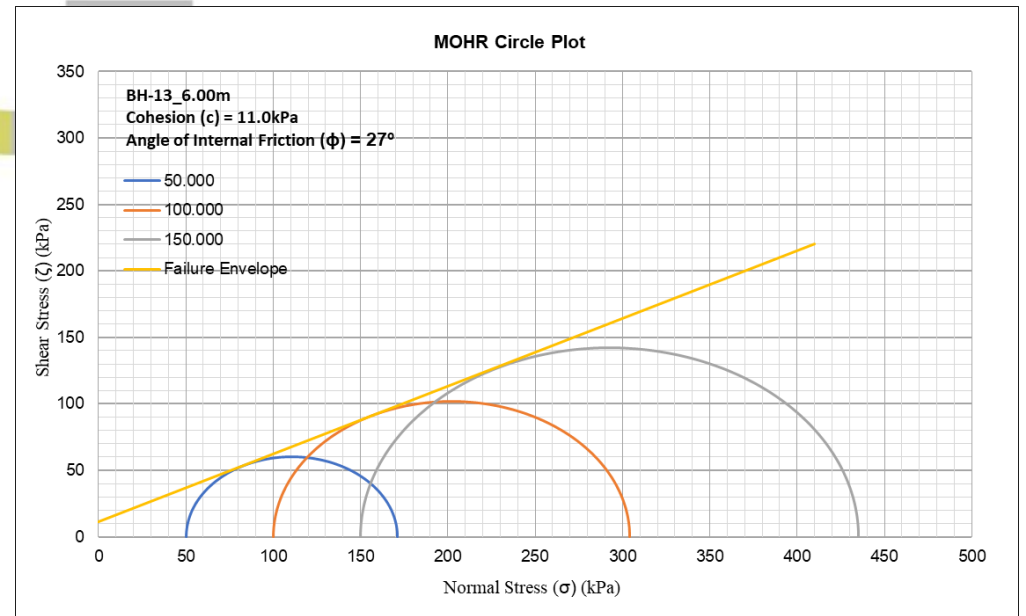
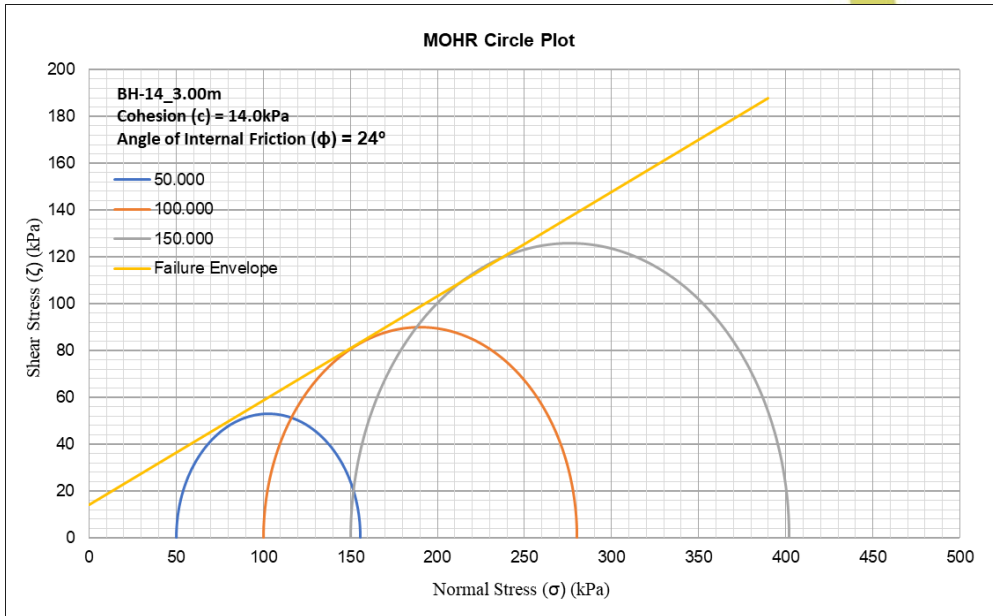
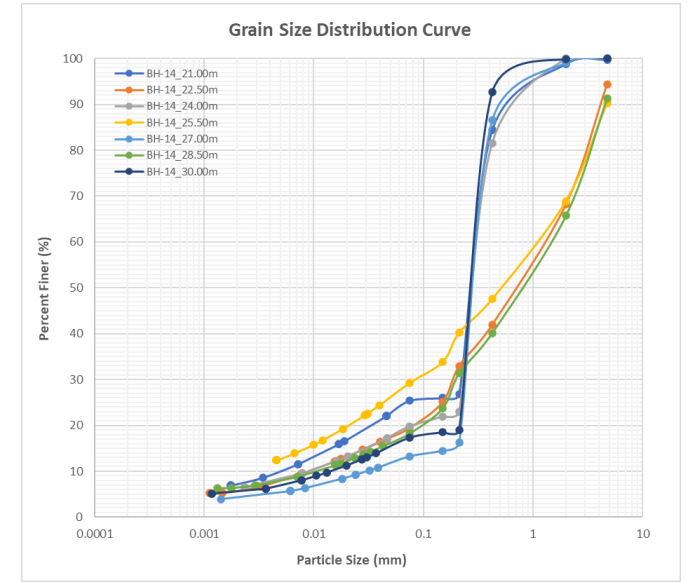
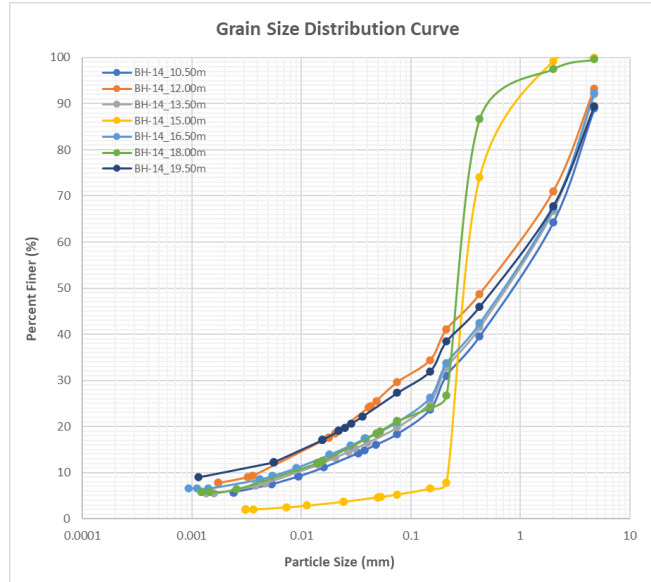
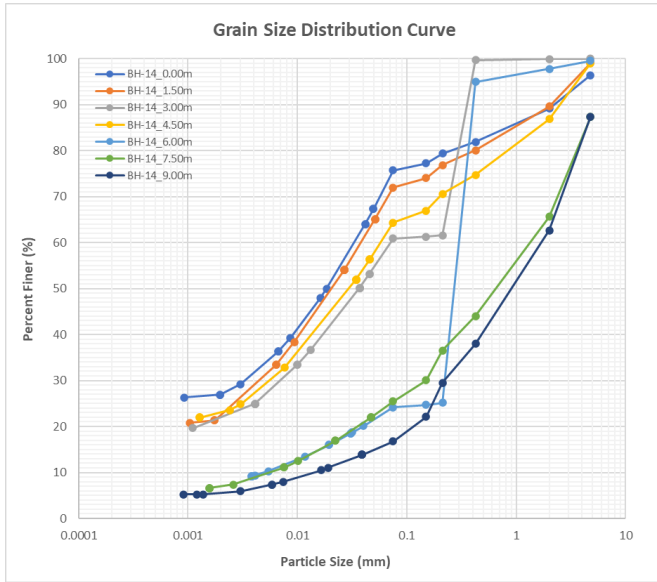


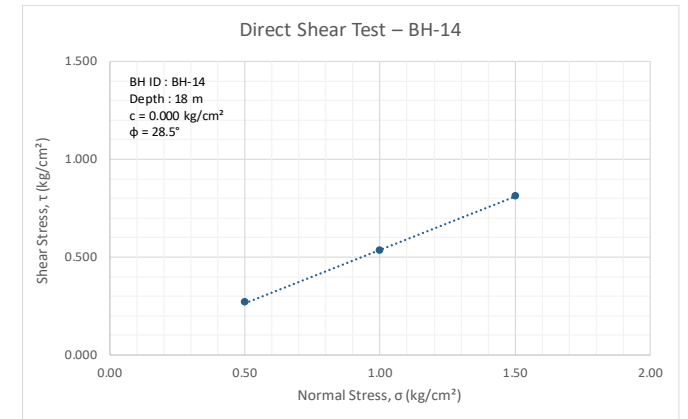
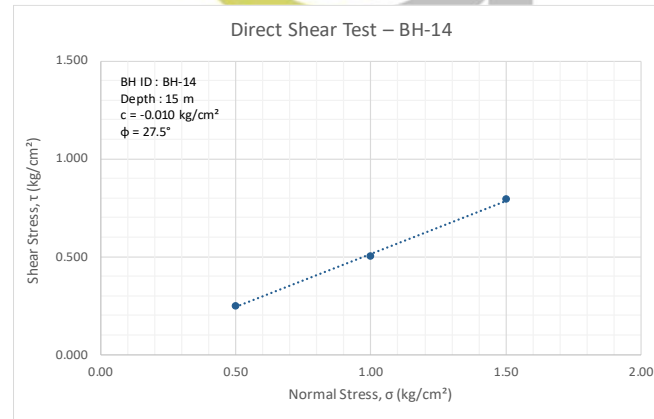
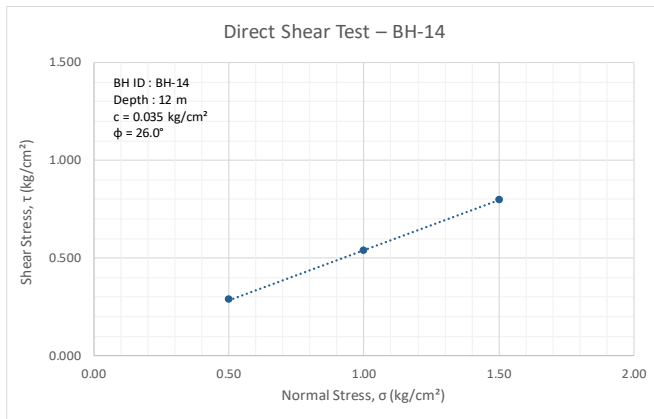
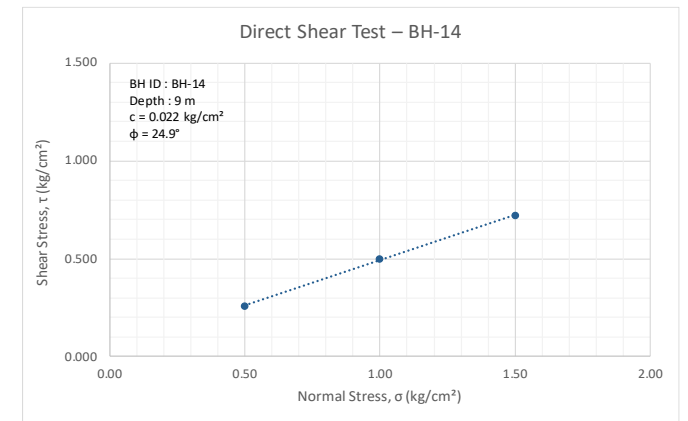
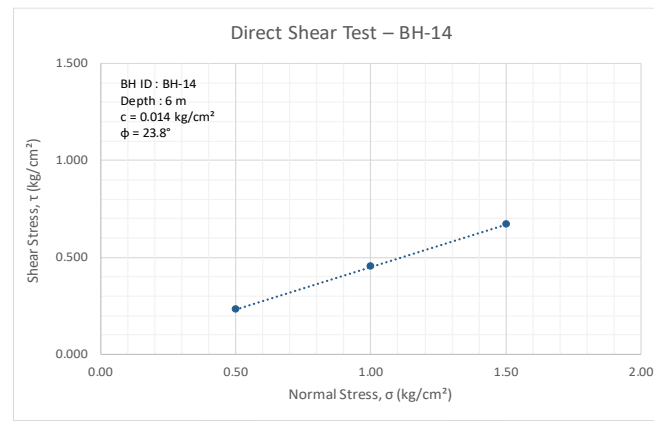
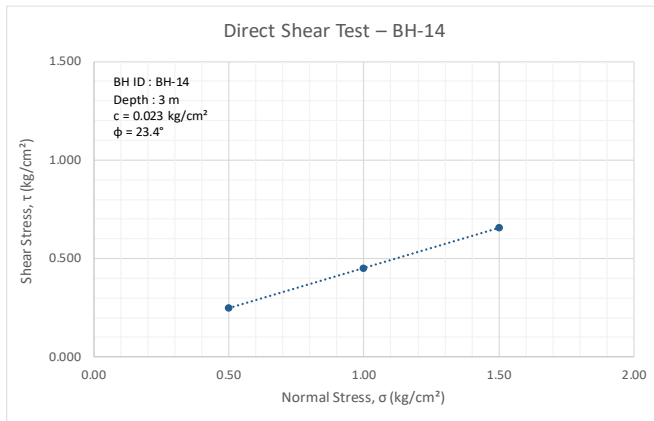


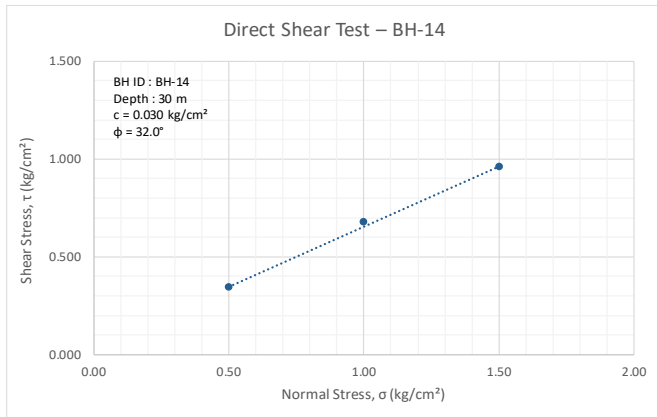
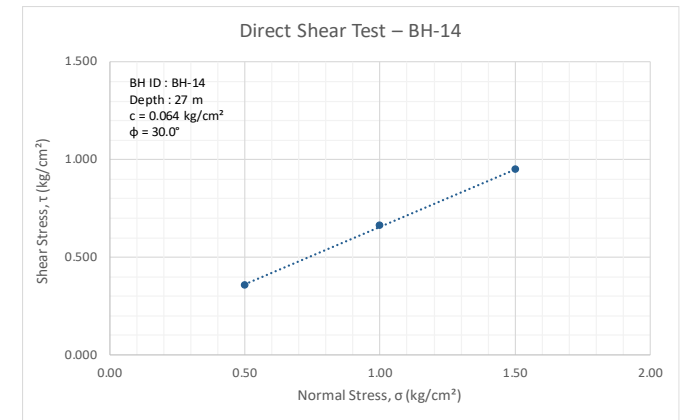
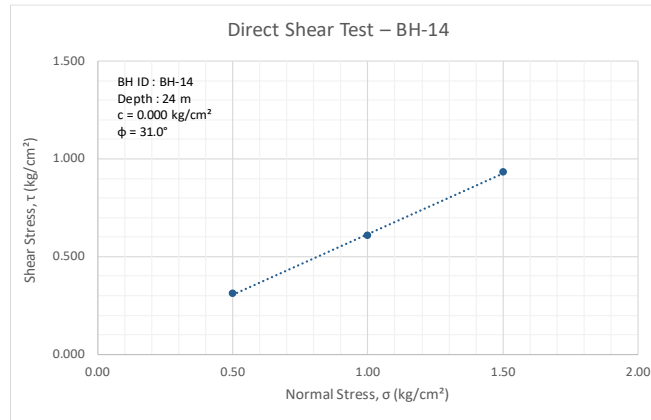
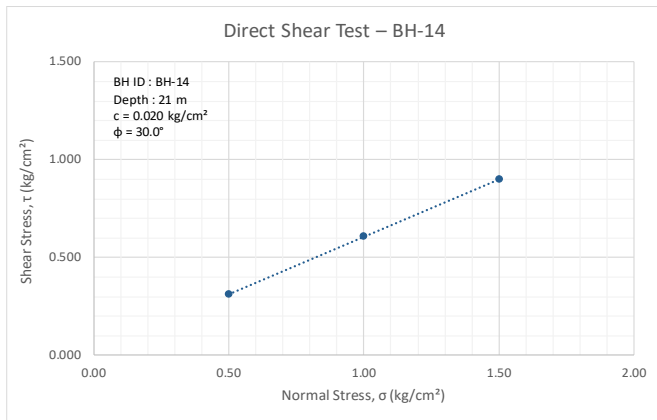


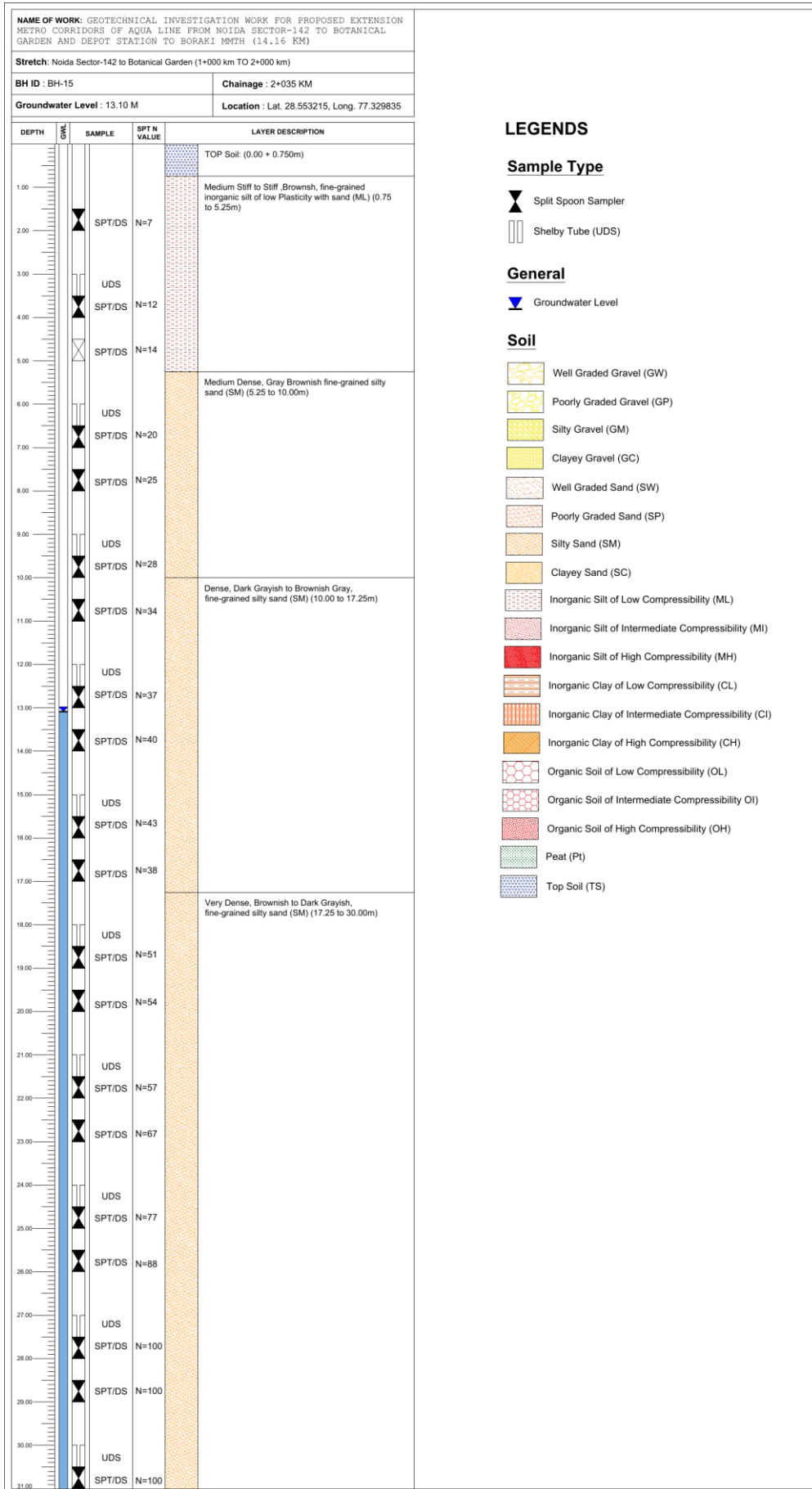












**LEGENDS**

**Sample Type**

- Split Spoon Sampler
- Shelby Tube (UDS)

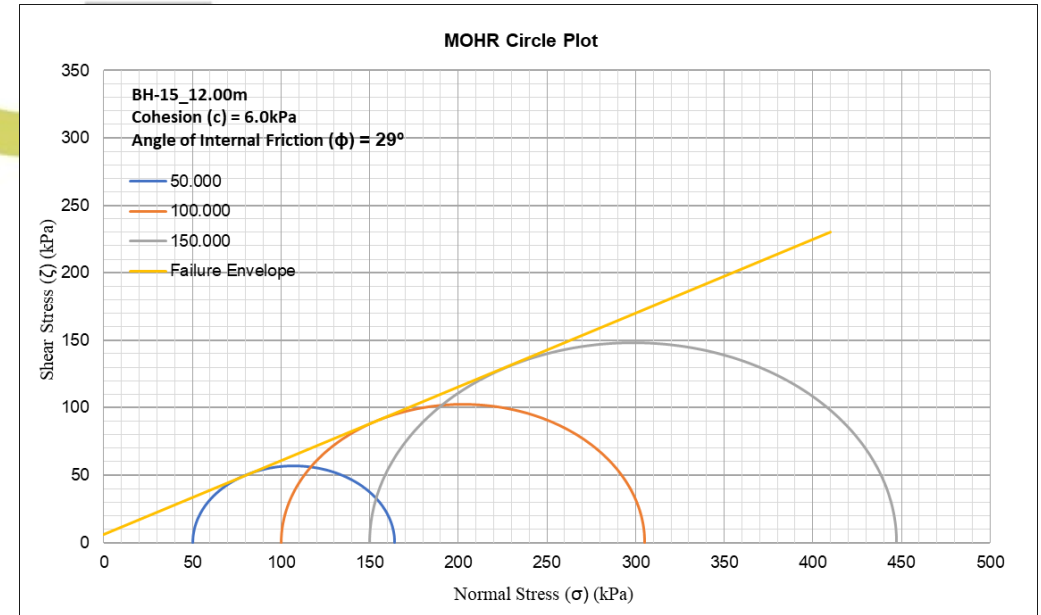
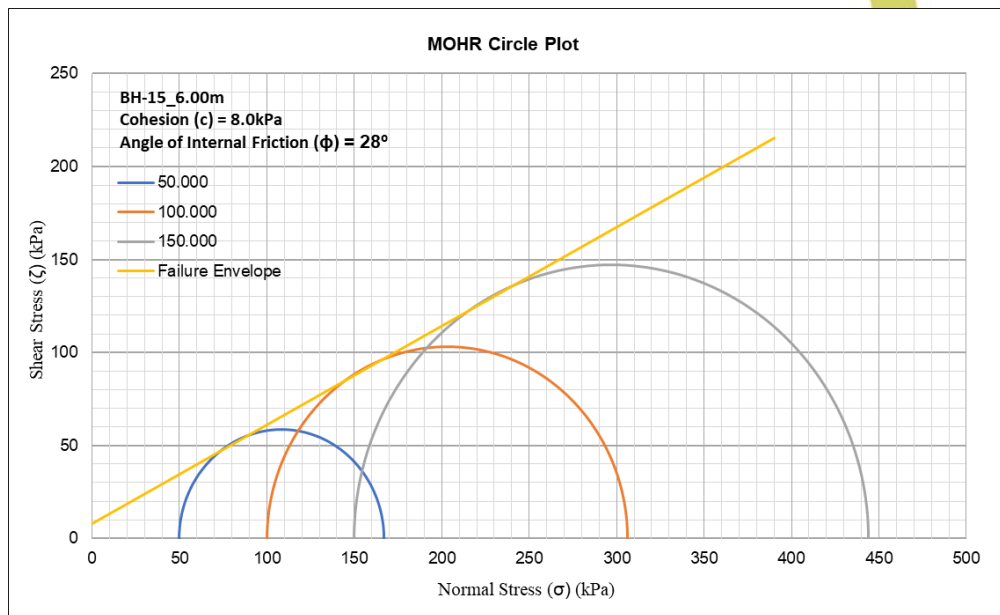
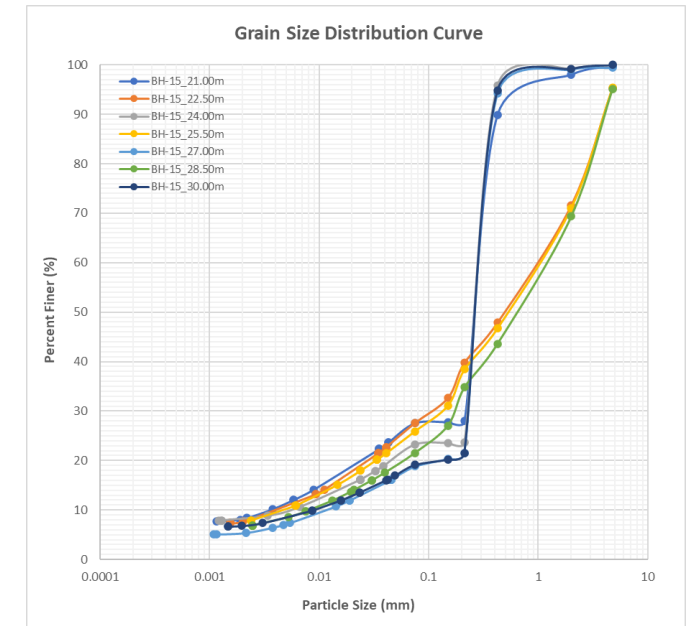
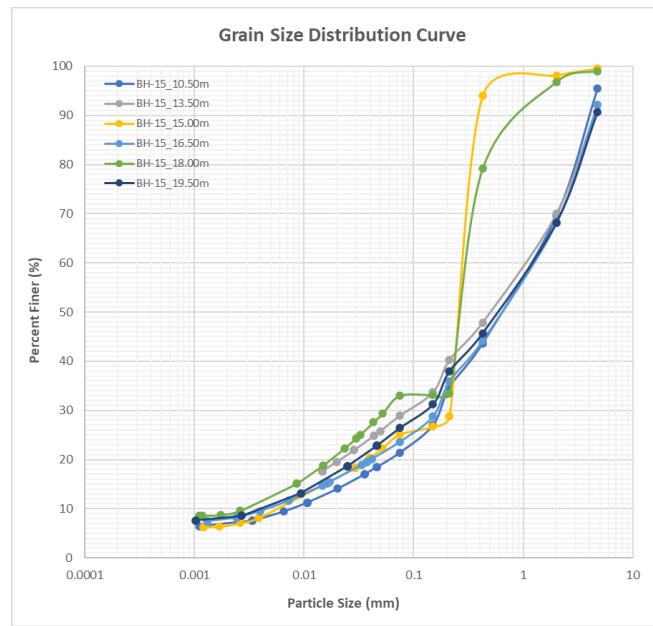
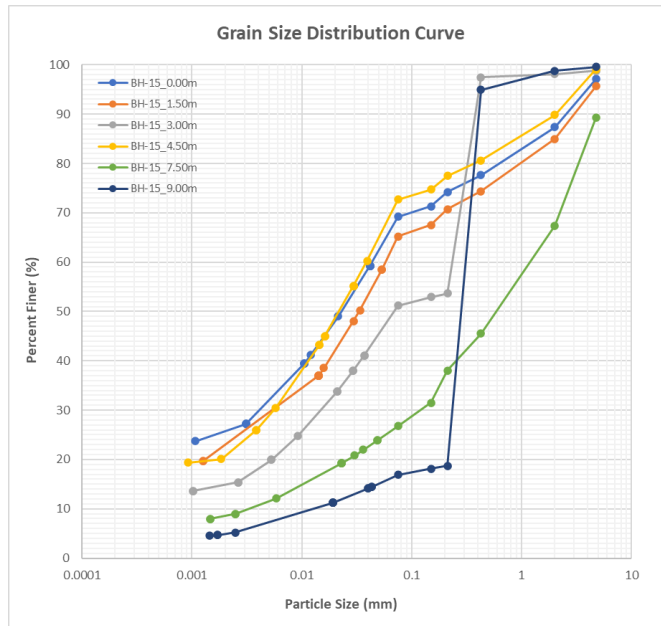
**General**

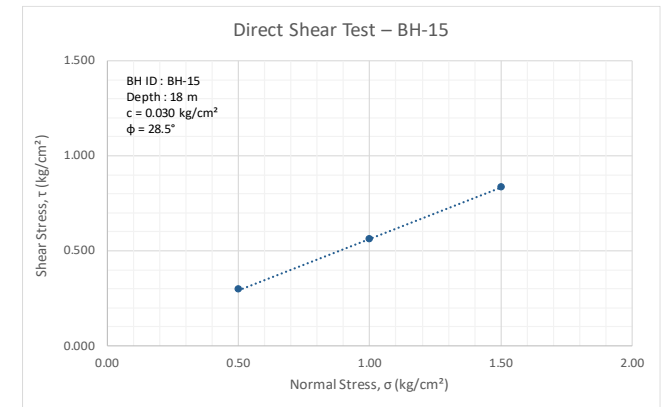
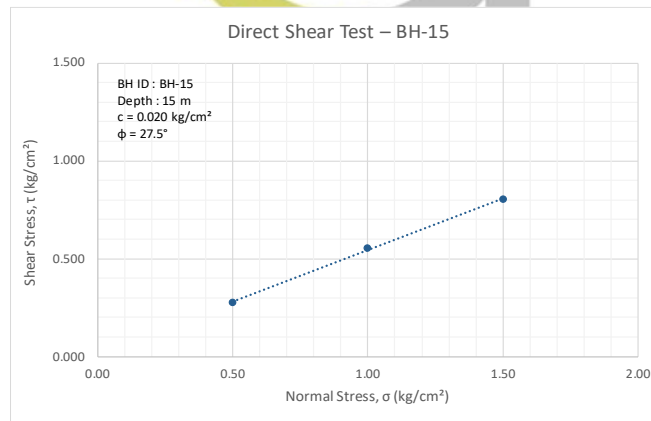
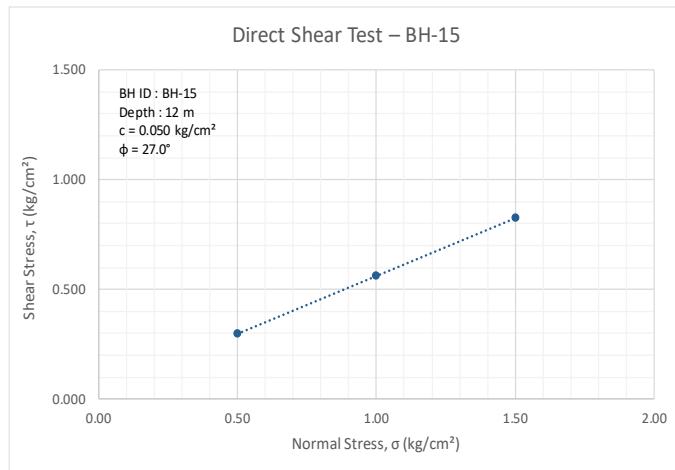
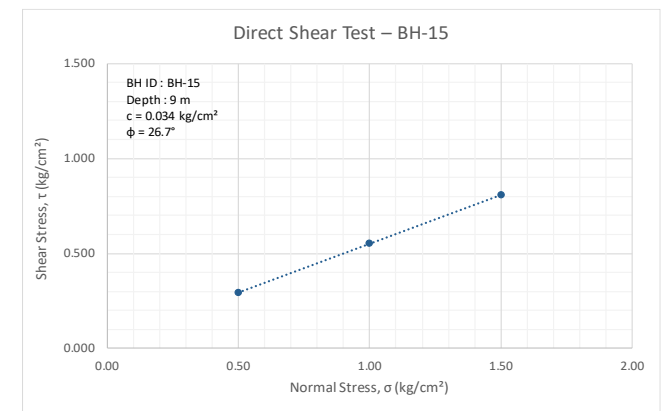
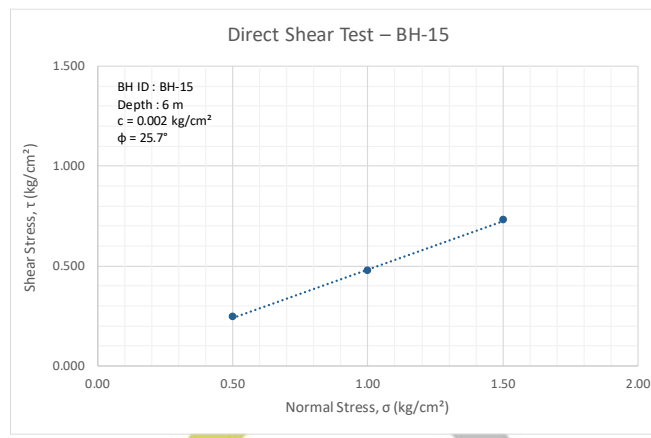
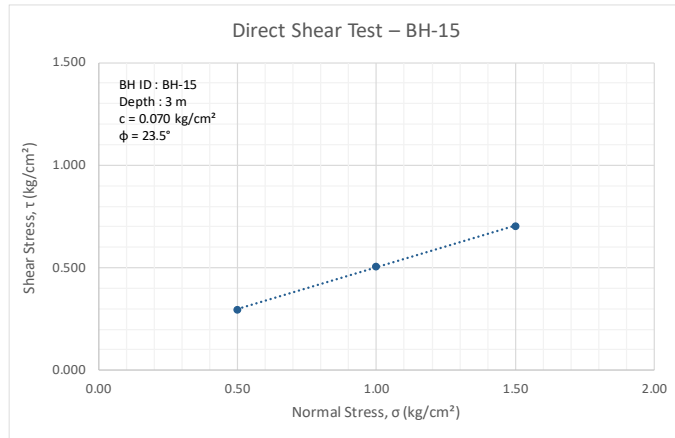
- Groundwater Level

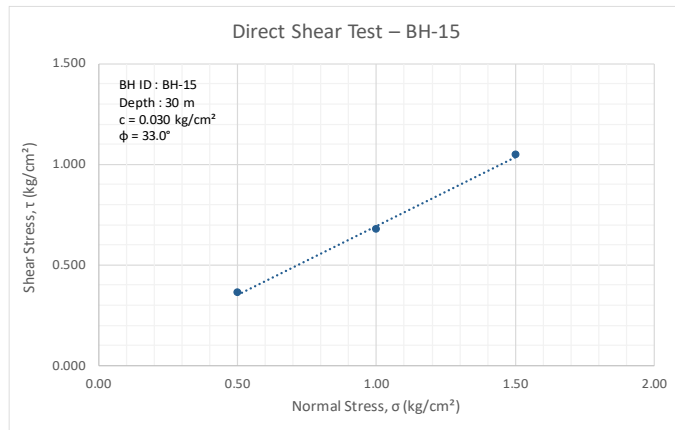
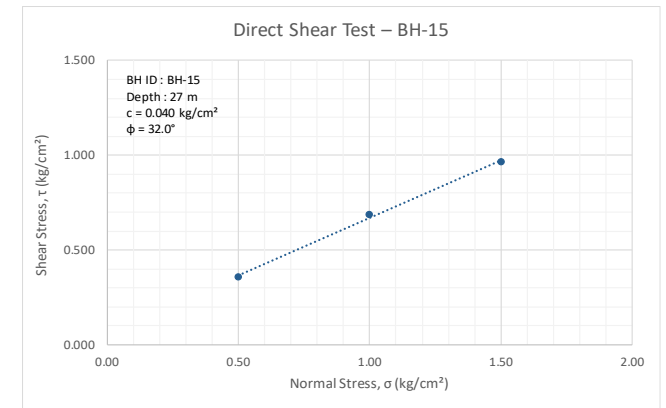
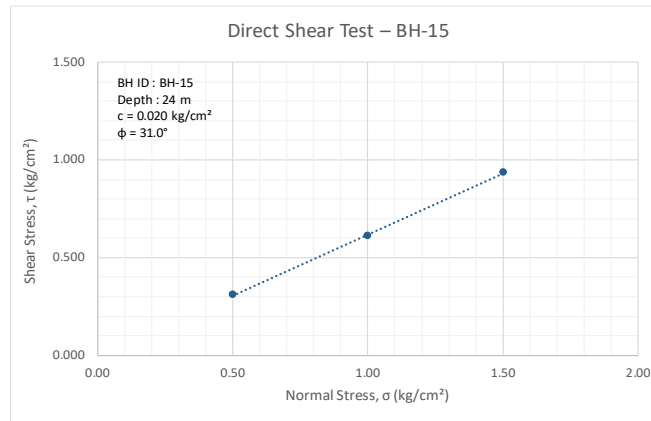
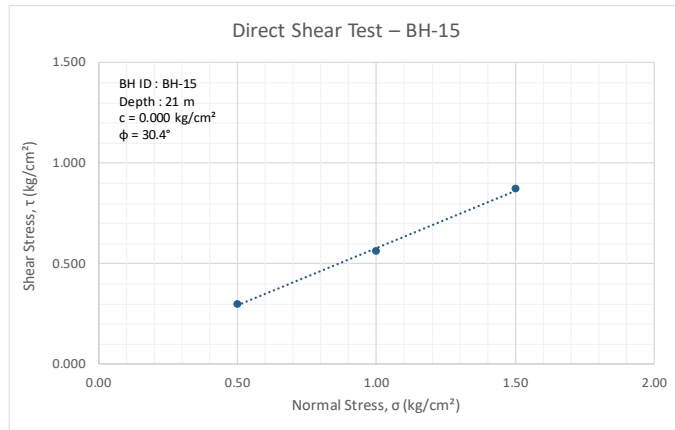
**Soil**

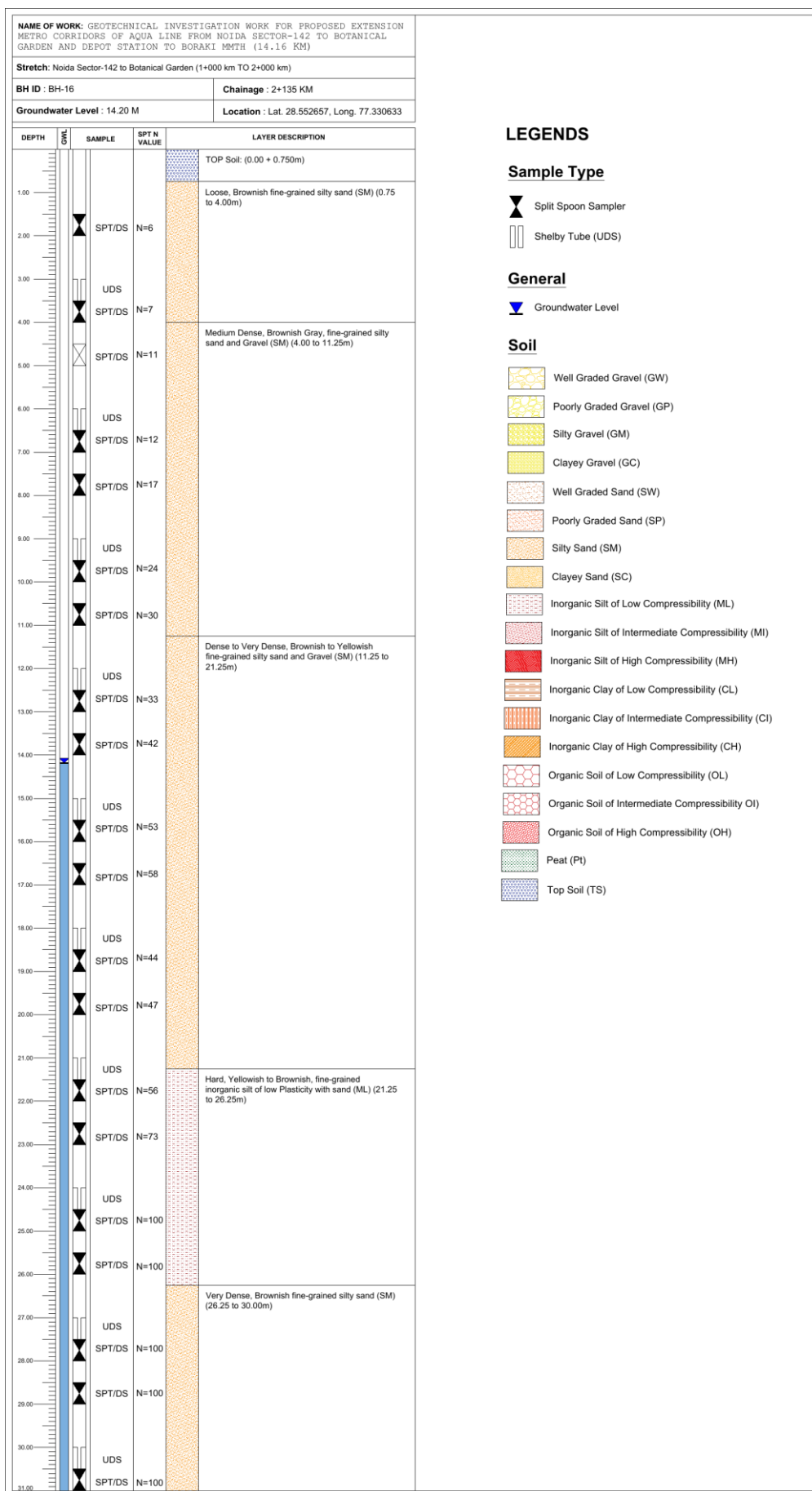
- Well Graded Gravel (GW)
- Poorly Graded Gravel (GP)
- Silty Gravel (GM)
- Clayey Gravel (GC)
- Well Graded Sand (SW)
- Poorly Graded Sand (SP)
- Silty Sand (SM)
- Clayey Sand (SC)
- Inorganic Silt of Low Compressibility (ML)
- Inorganic Silt of Intermediate Compressibility (MI)
- Inorganic Silt of High Compressibility (MH)
- Inorganic Clay of Low Compressibility (CL)
- Inorganic Clay of Intermediate Compressibility (CI)
- Inorganic Clay of High Compressibility (CH)
- Organic Soil of Low Compressibility (OL)
- Organic Soil of Intermediate Compressibility (OI)
- Organic Soil of High Compressibility (OH)
- Peat (Pt)
- Top Soil (TS)



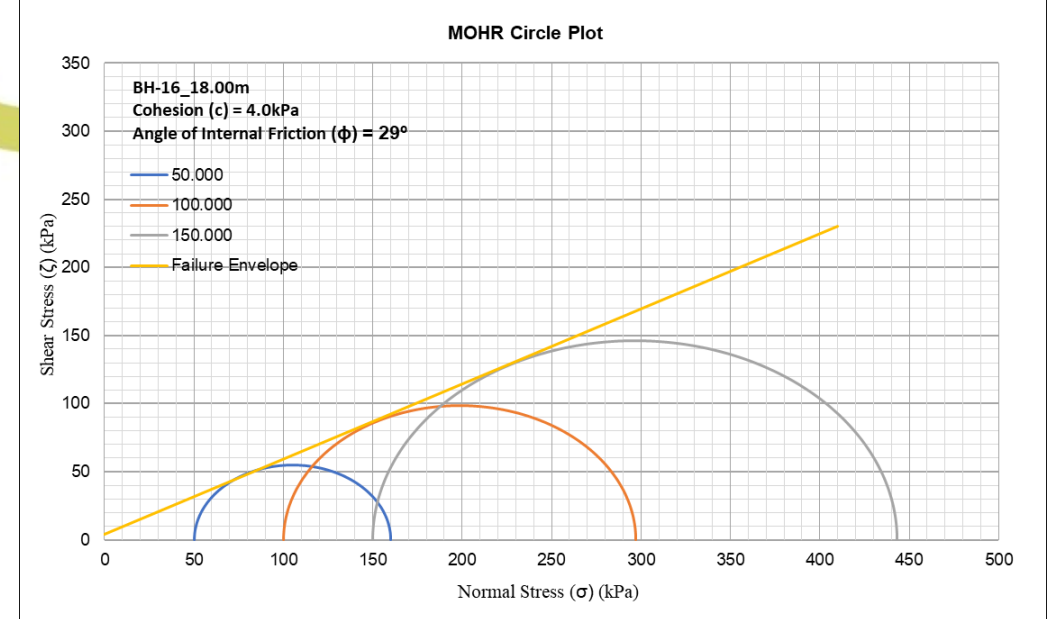
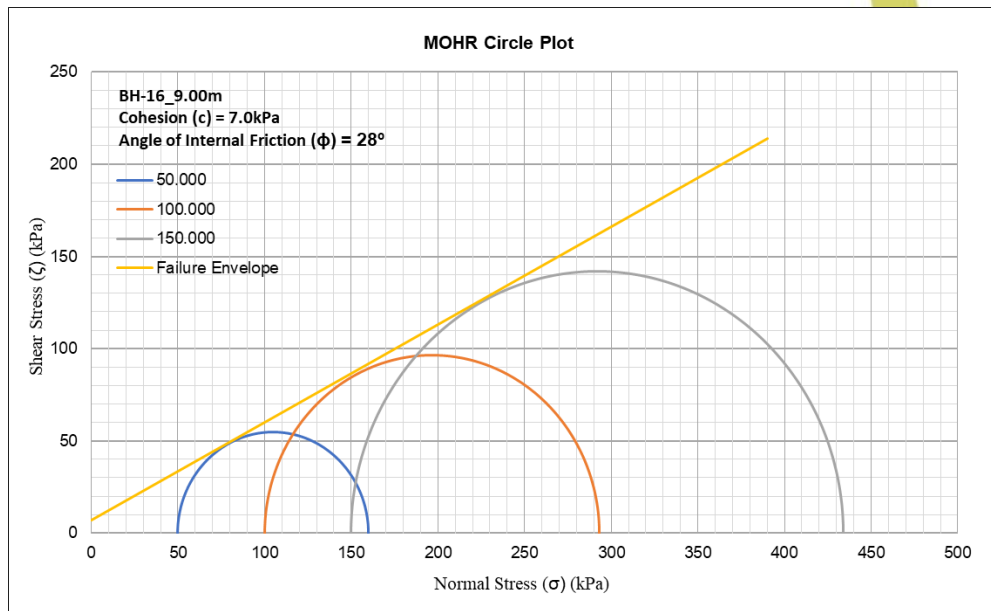
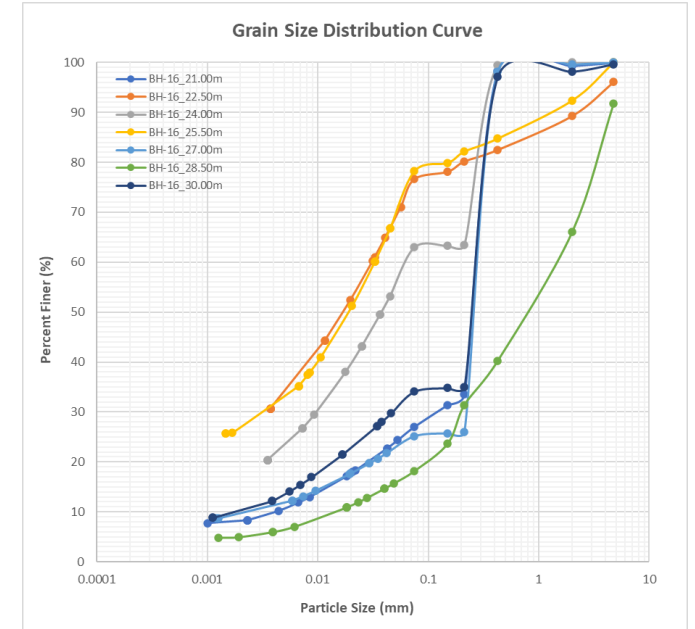
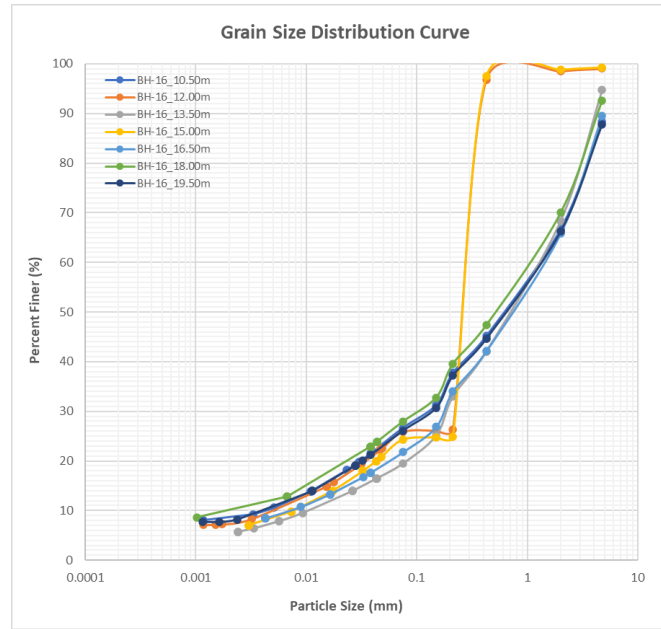
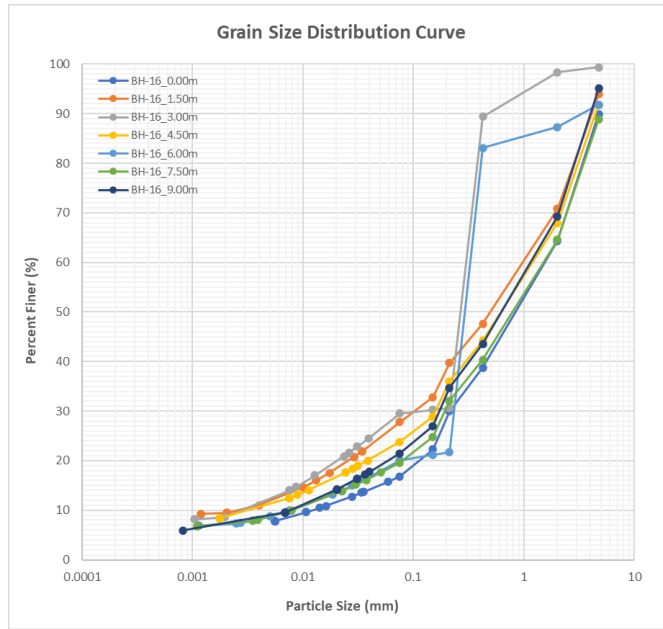


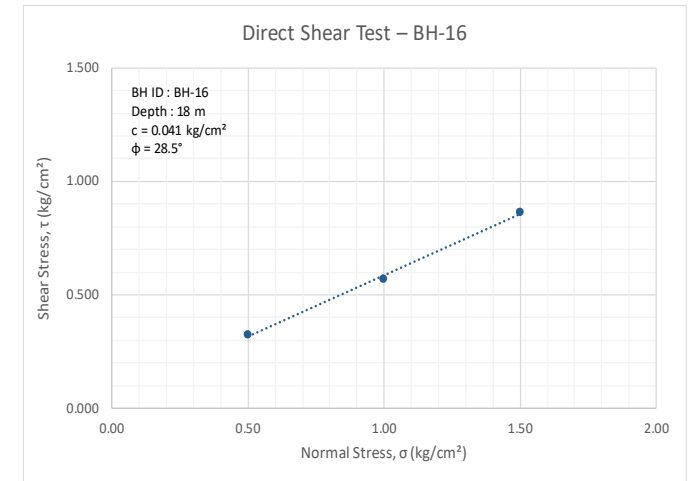
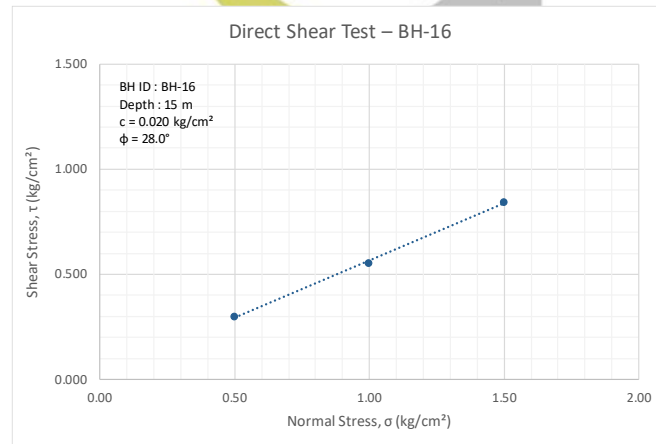
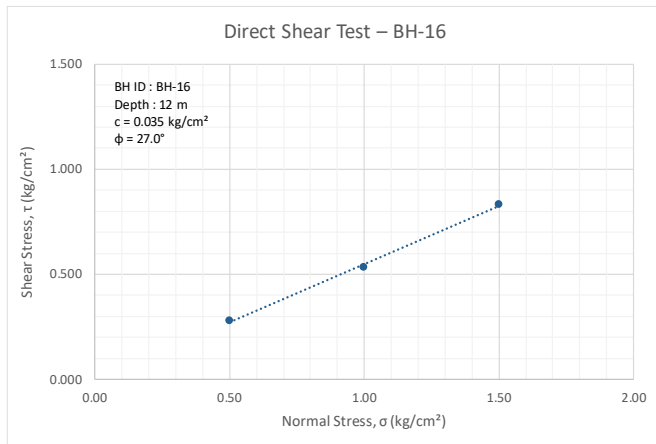
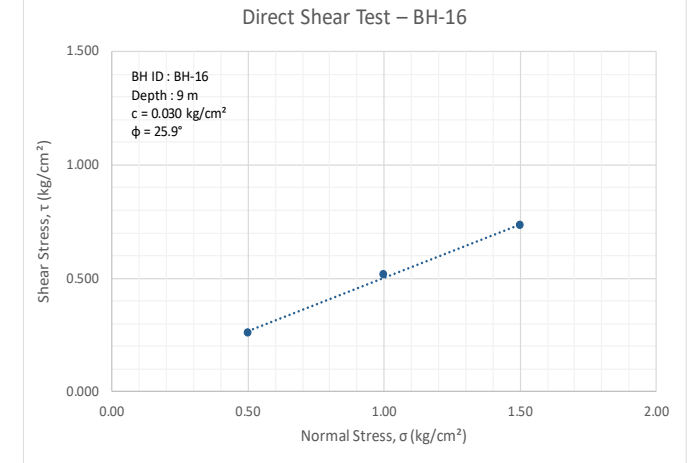
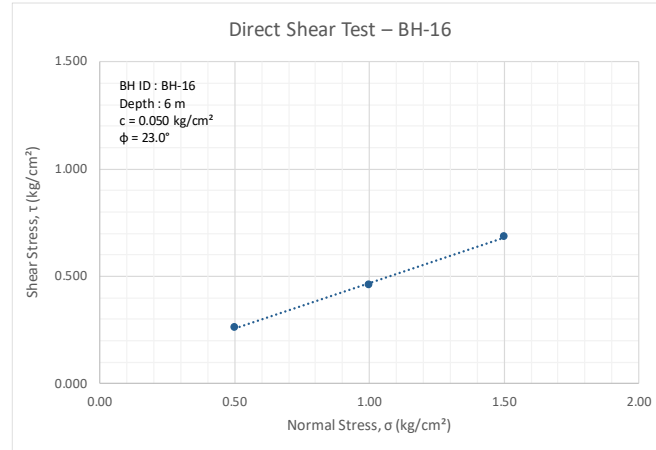
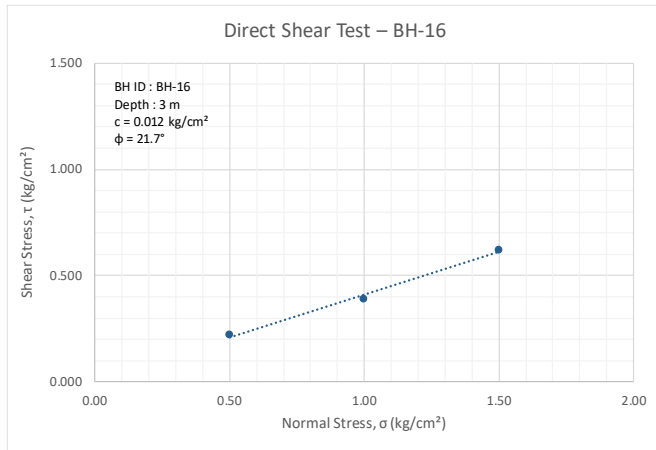


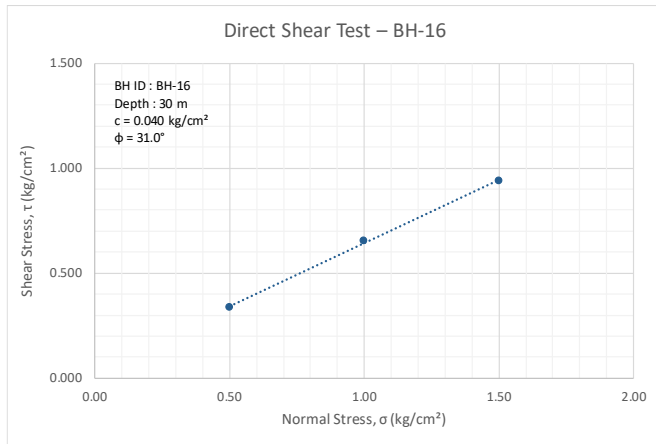
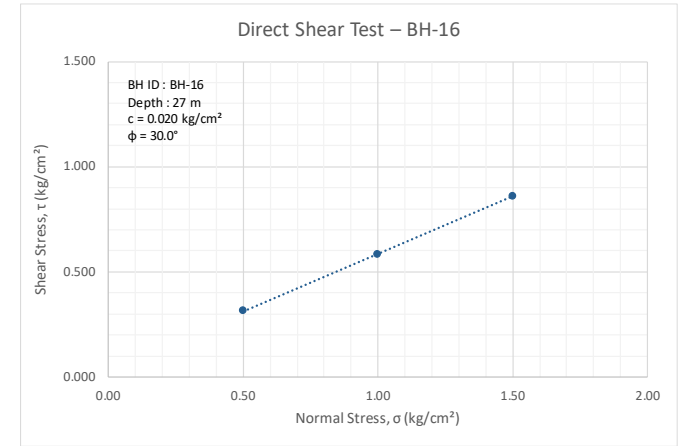
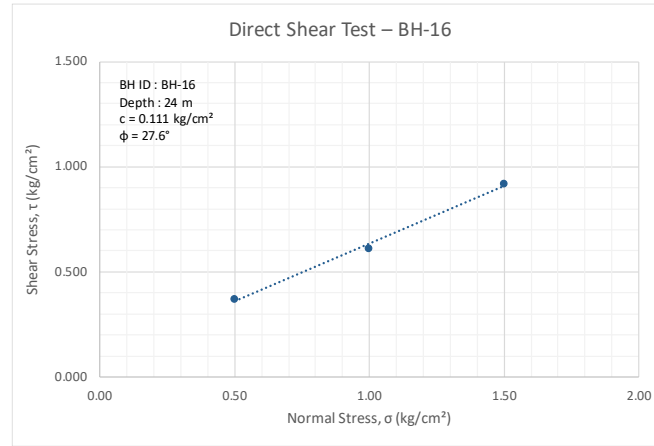
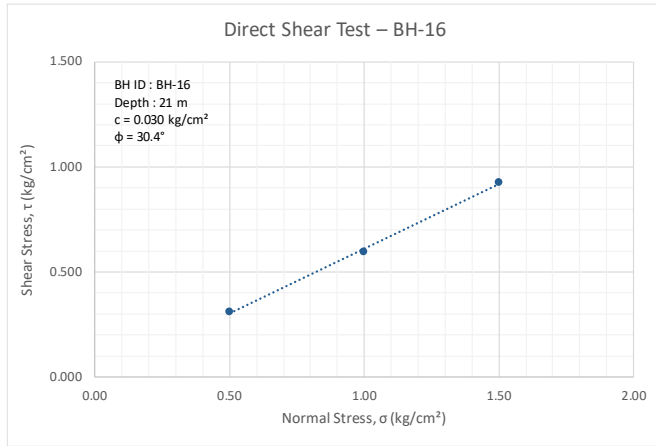


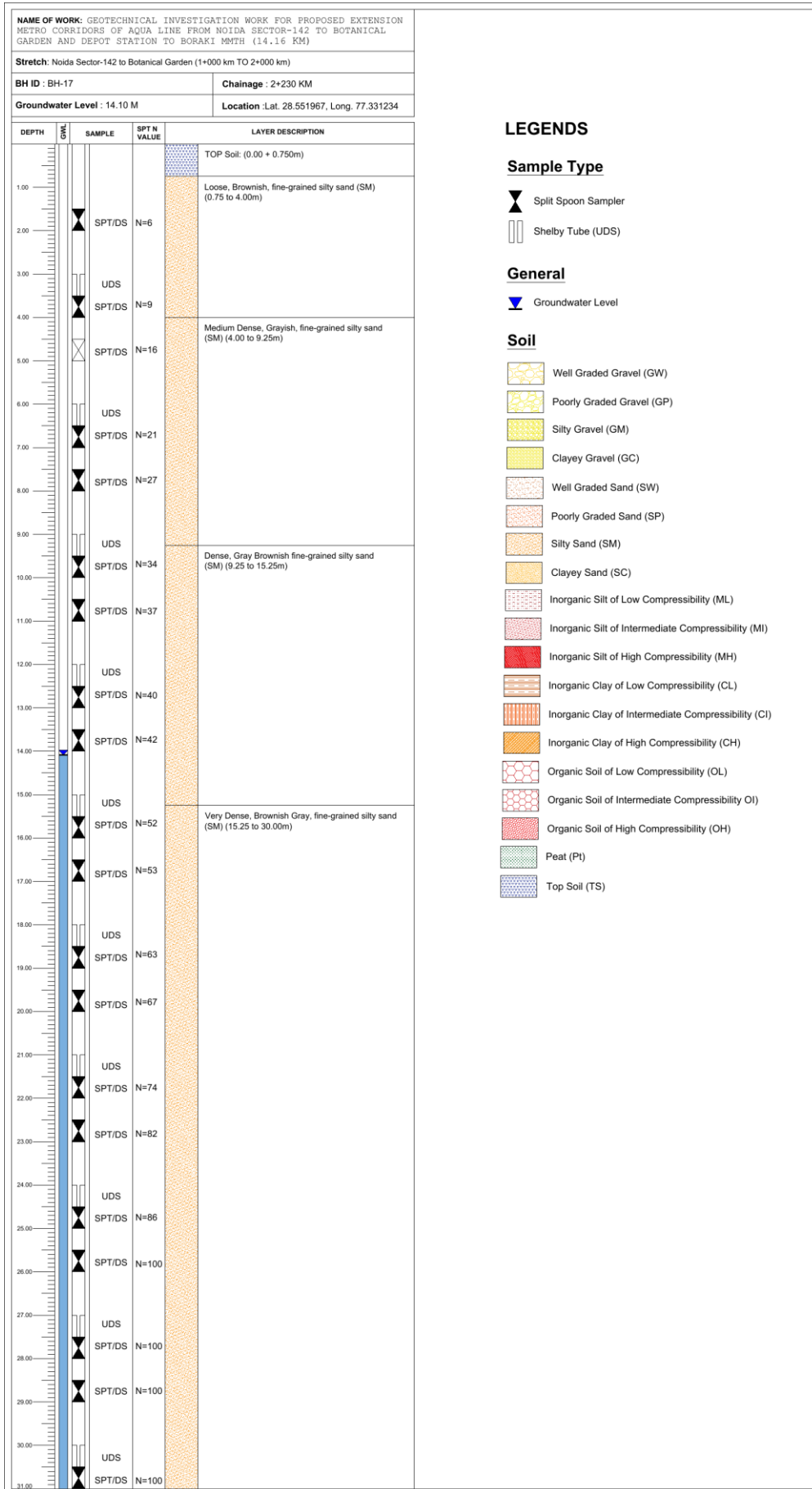




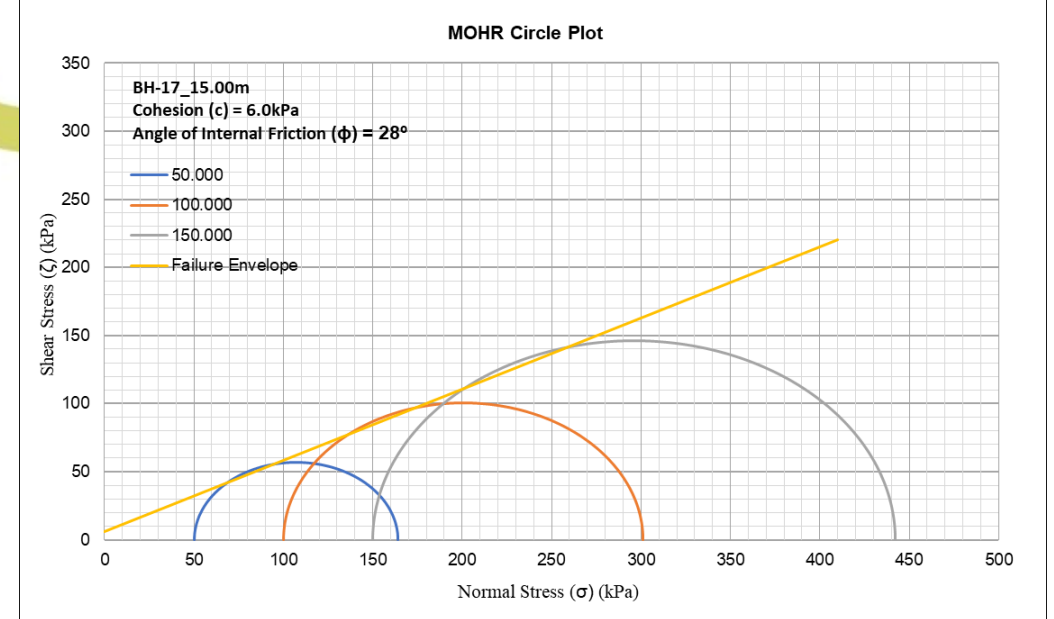
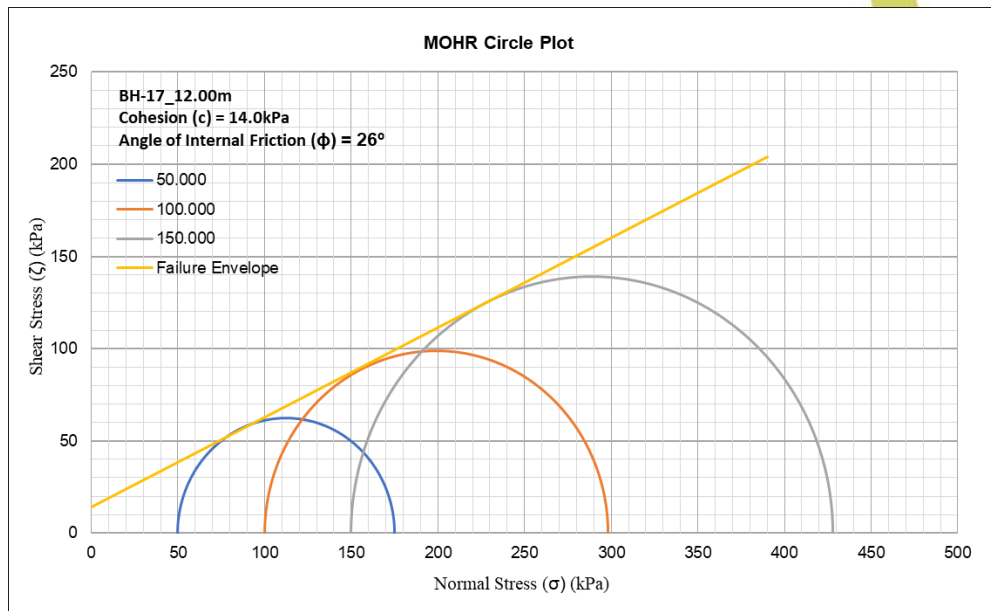
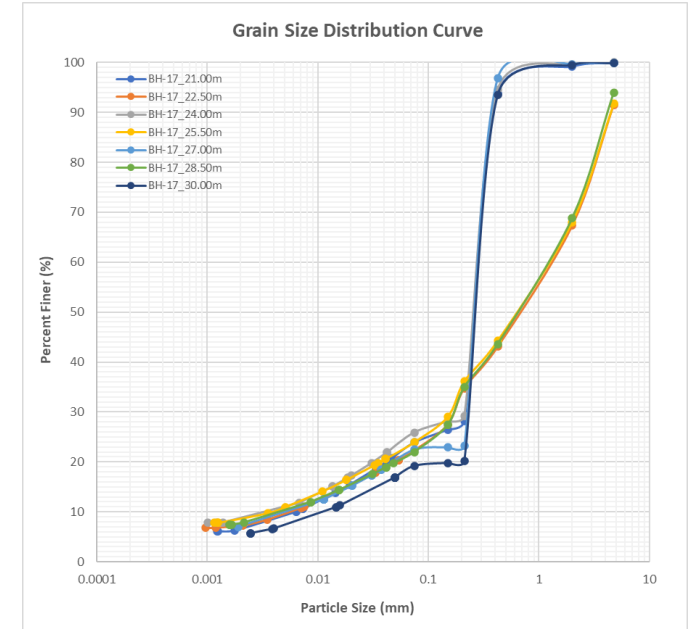
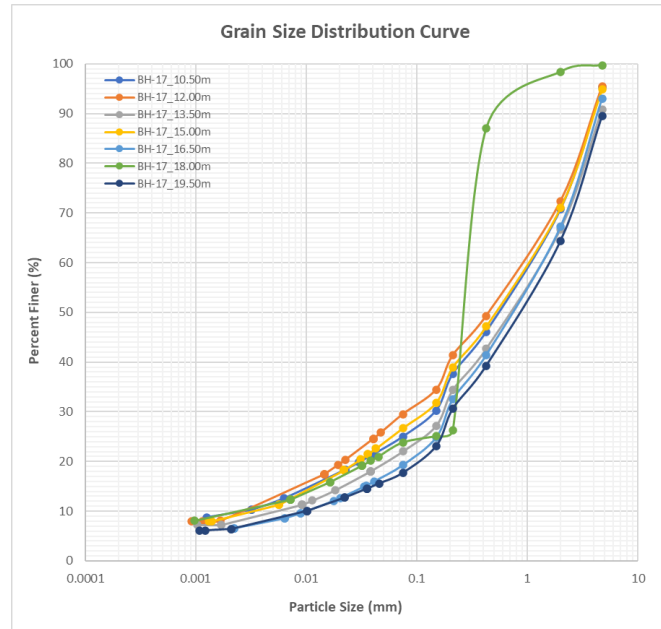
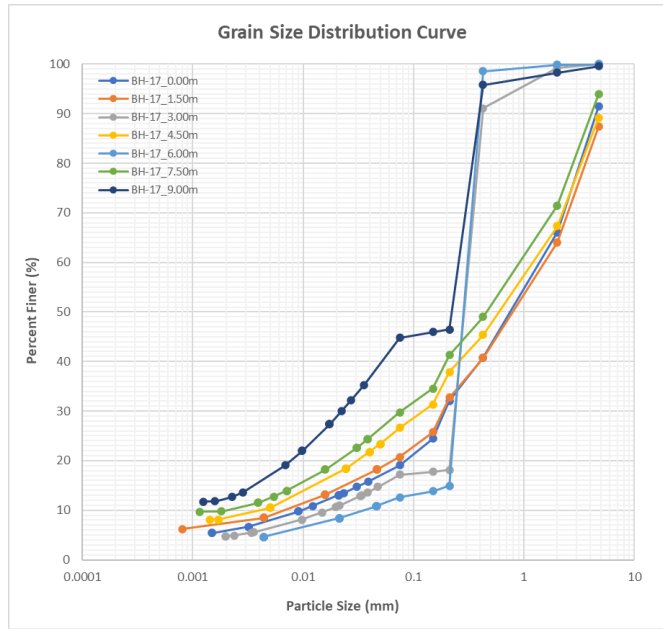


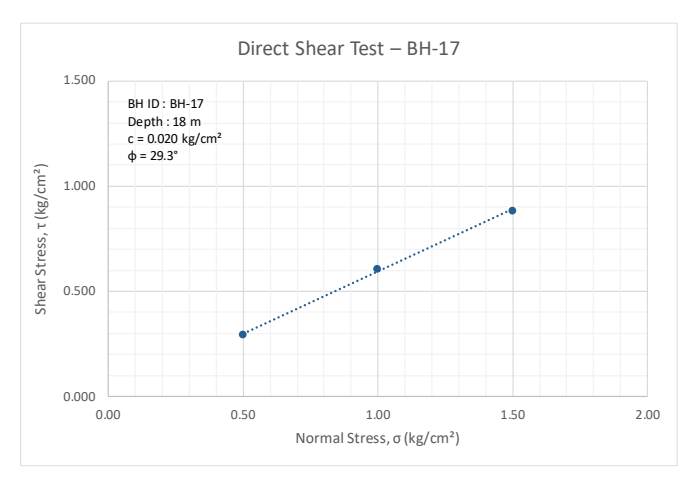
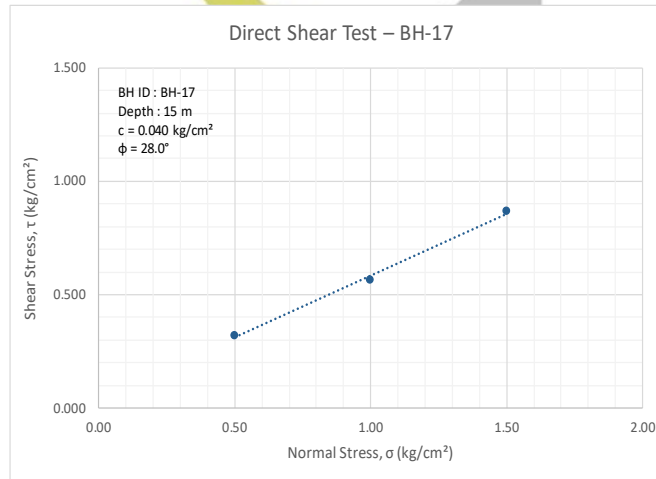
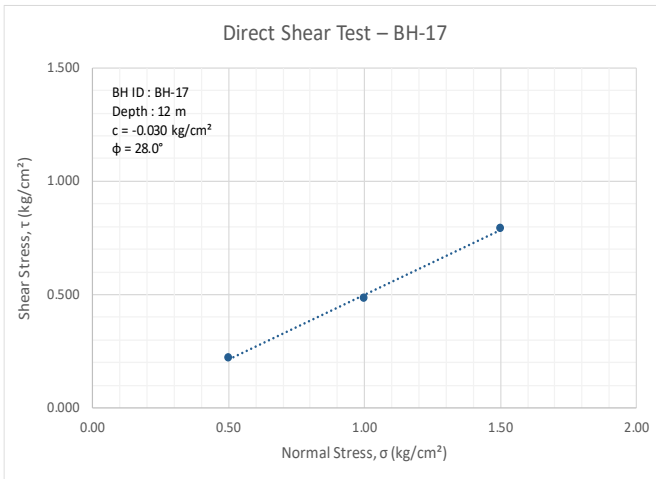
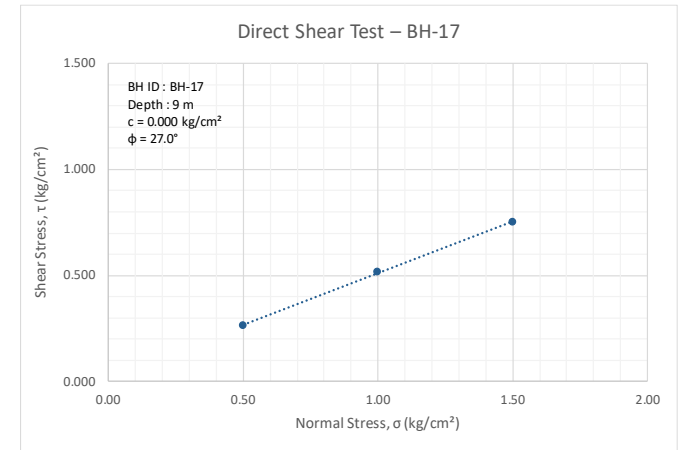
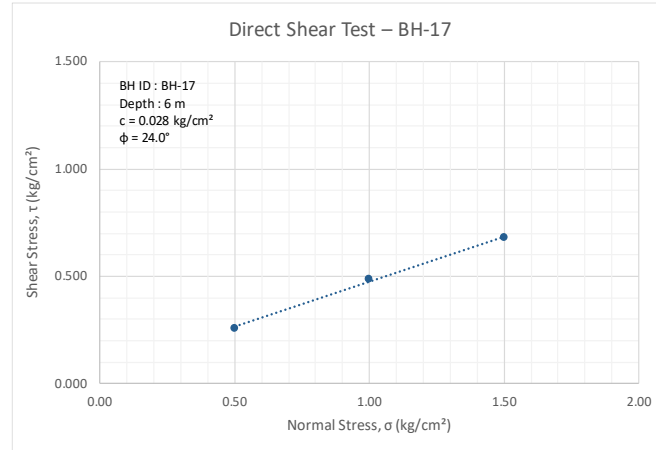
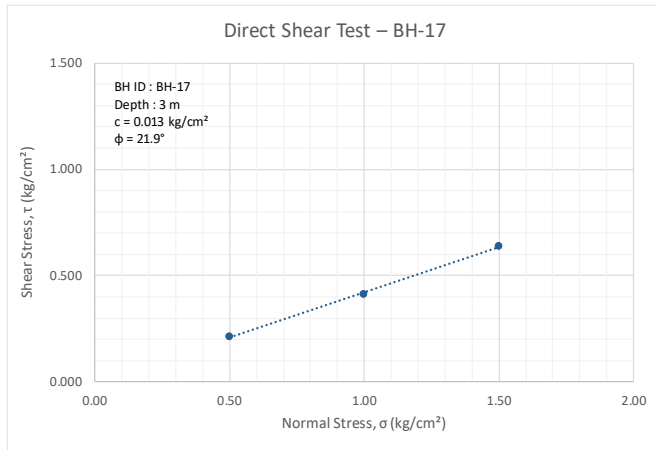


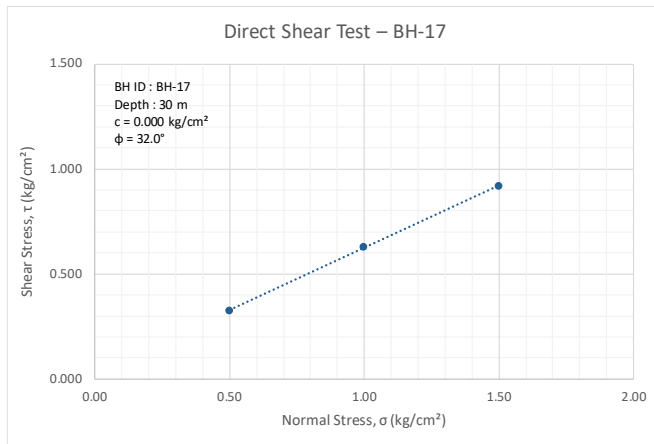
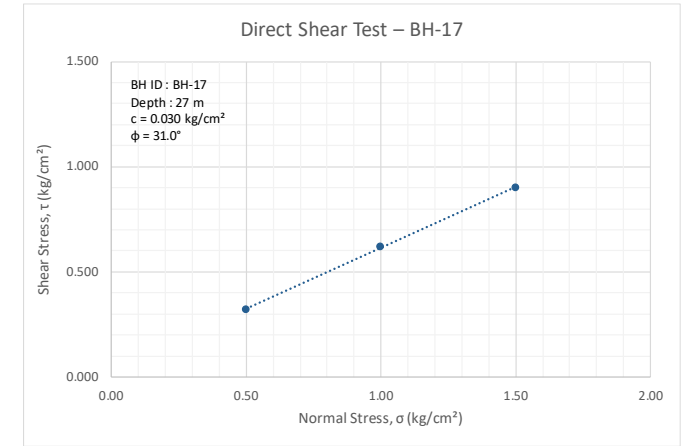
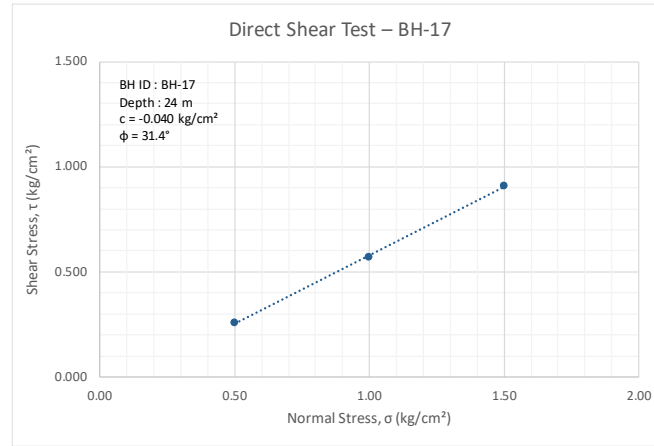
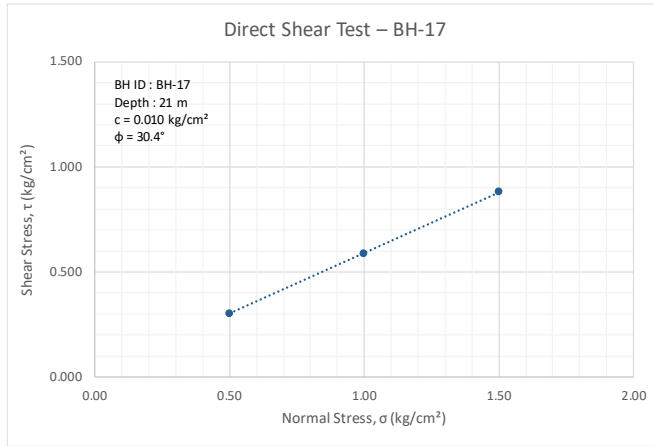


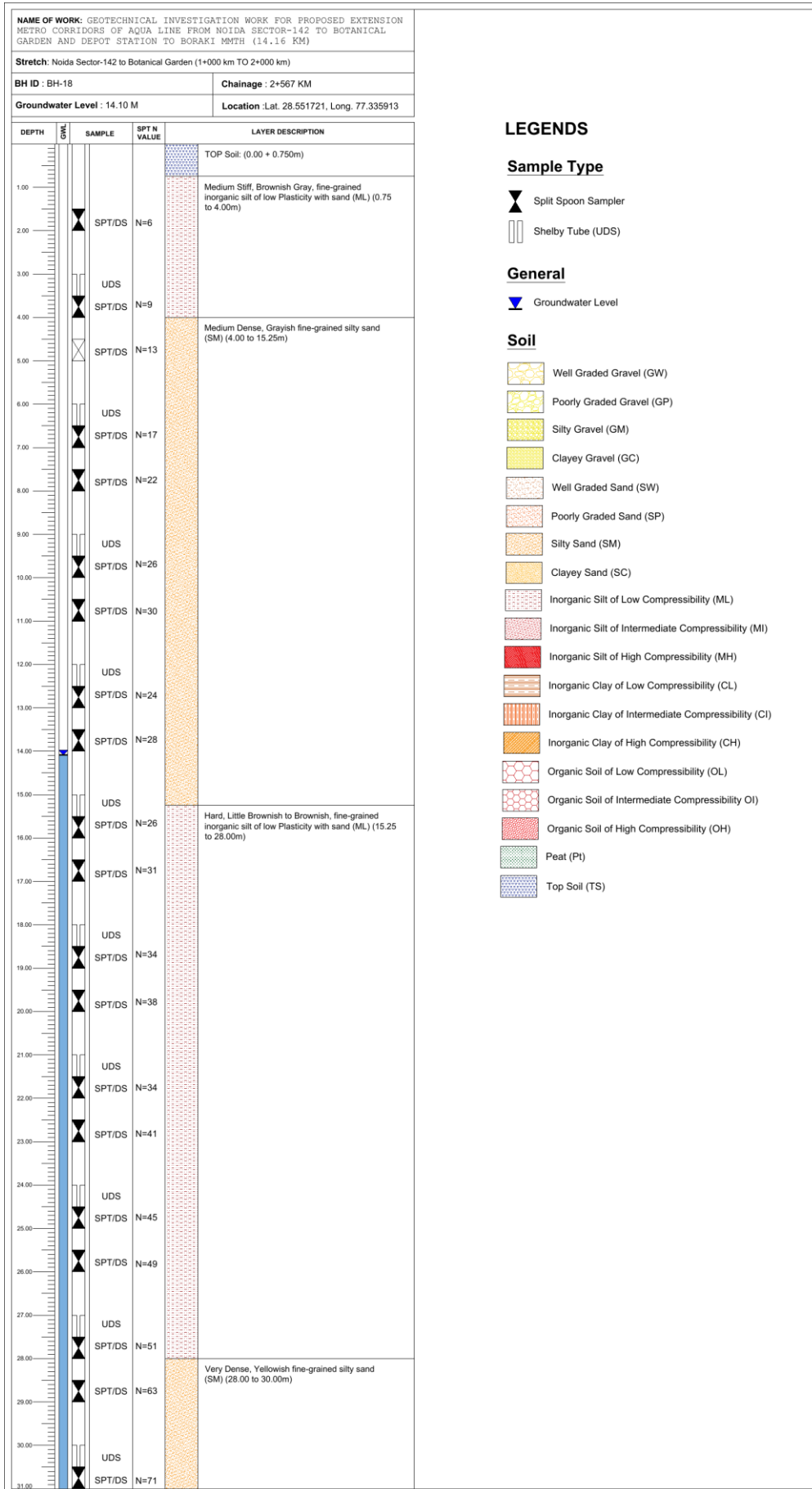












**LEGENDS**

**Sample Type**

- Split Spoon Sampler
- Shelby Tube (UDS)

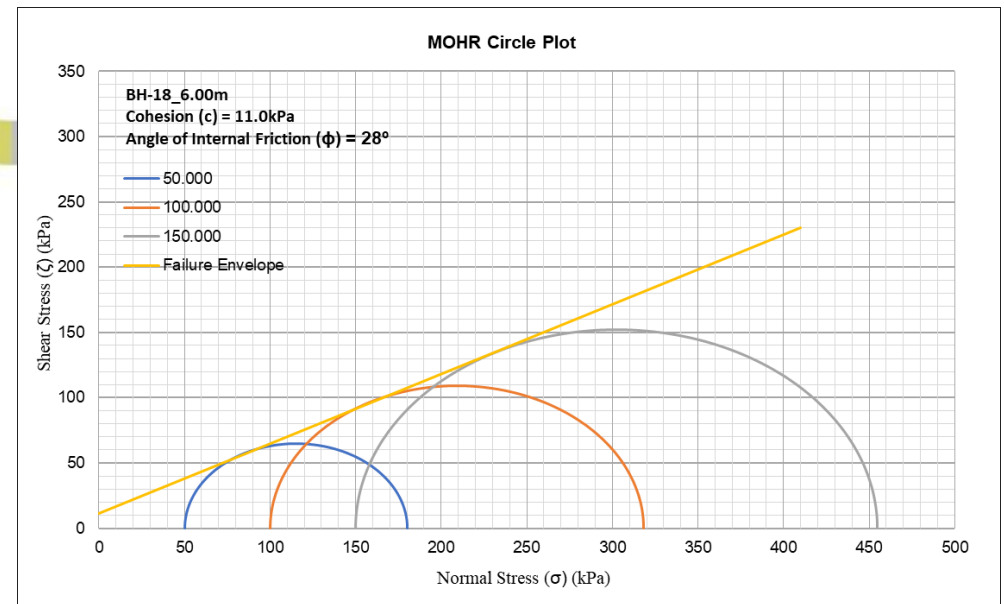
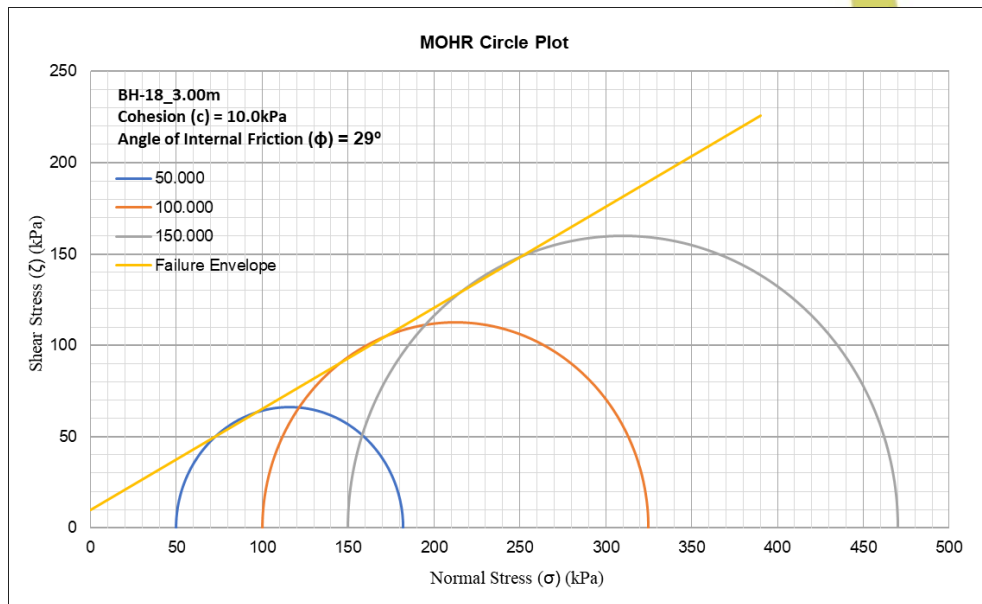
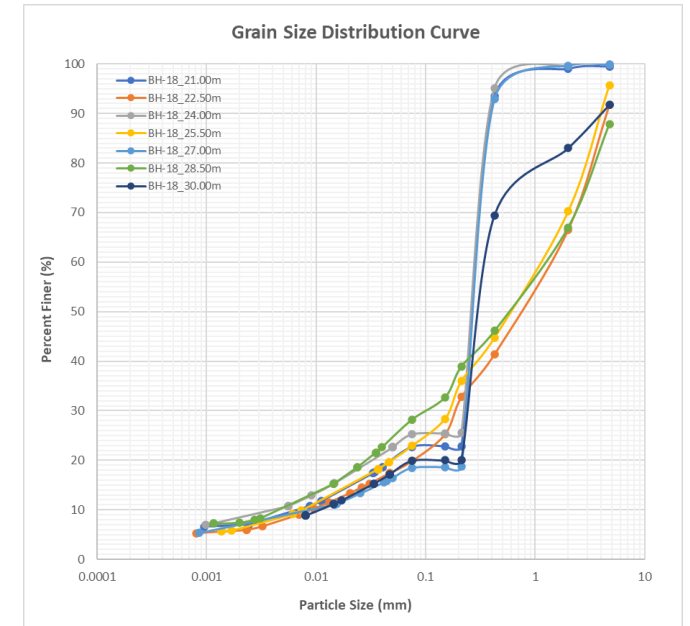
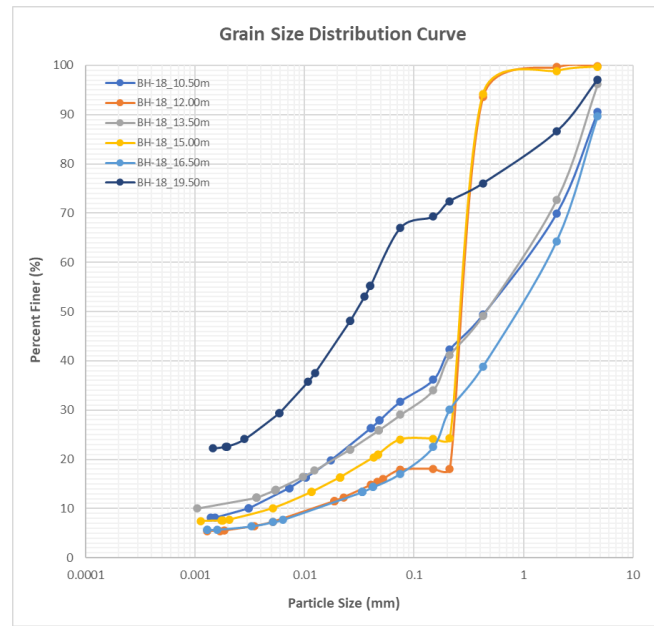
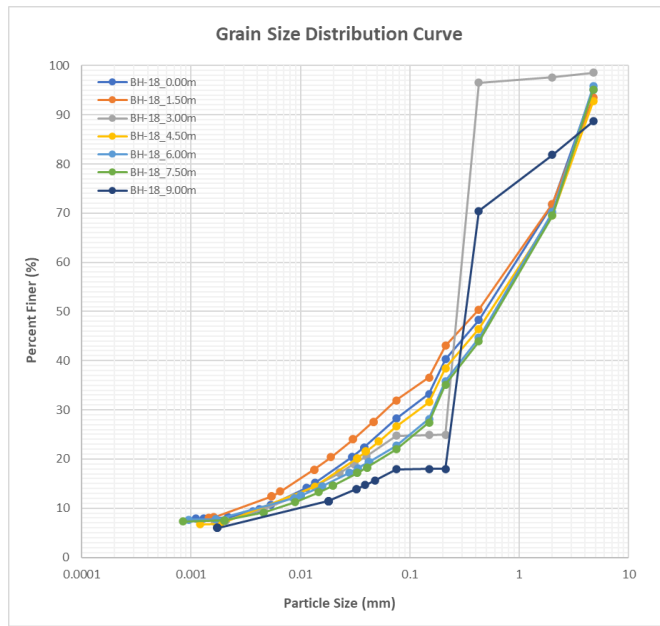
**General**

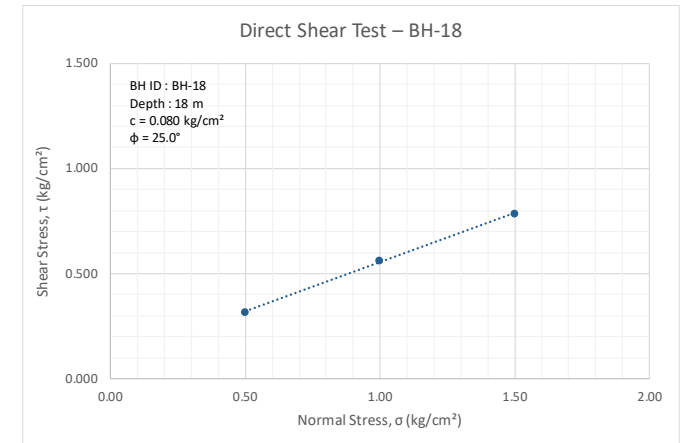
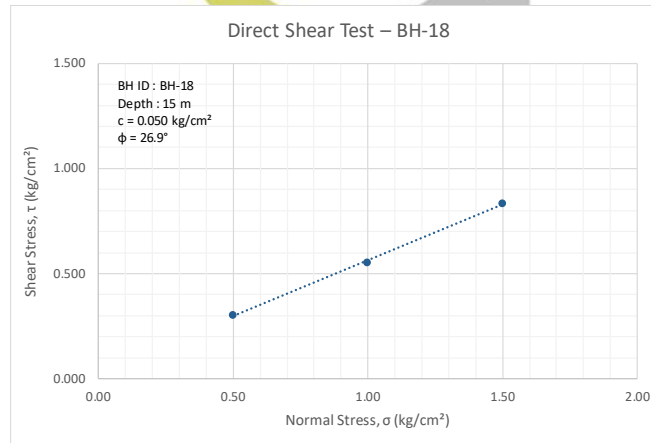
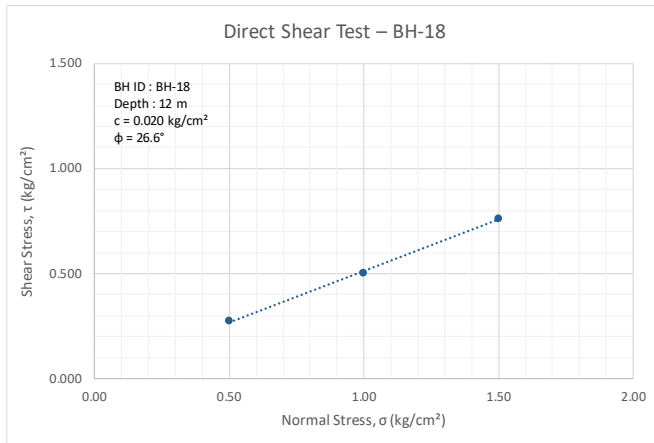
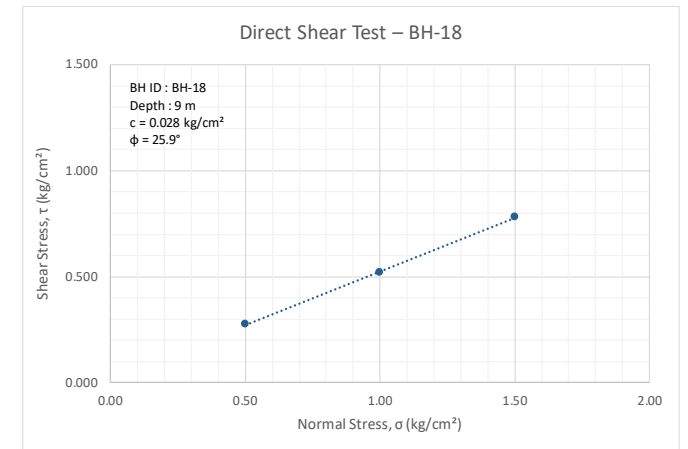
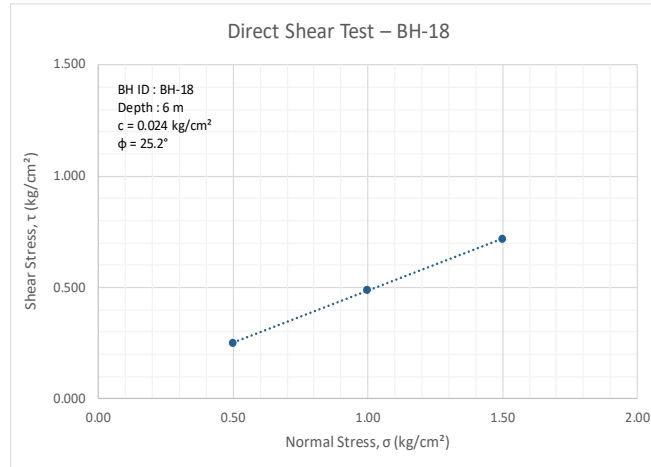
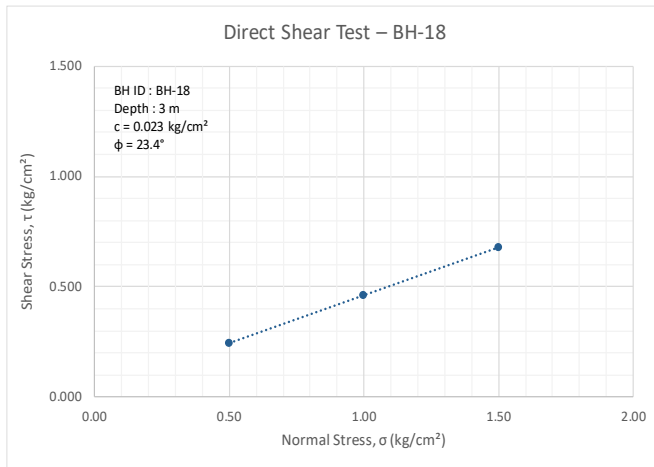
- Groundwater Level

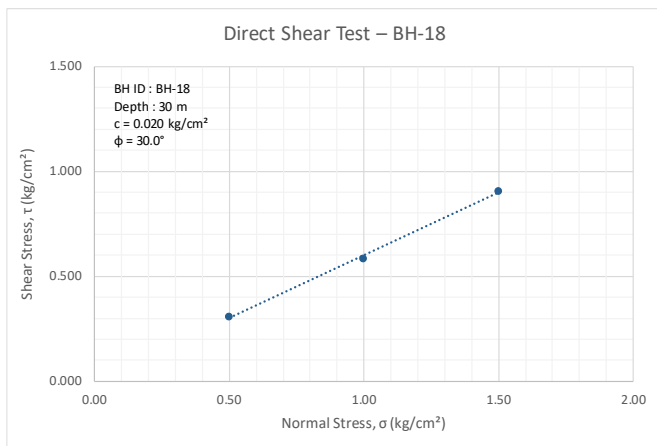
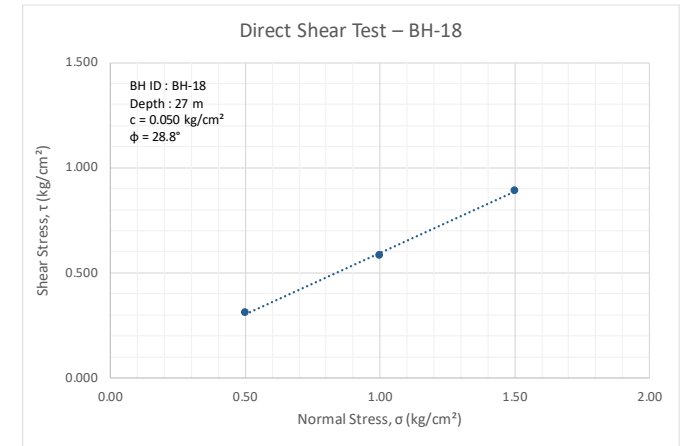
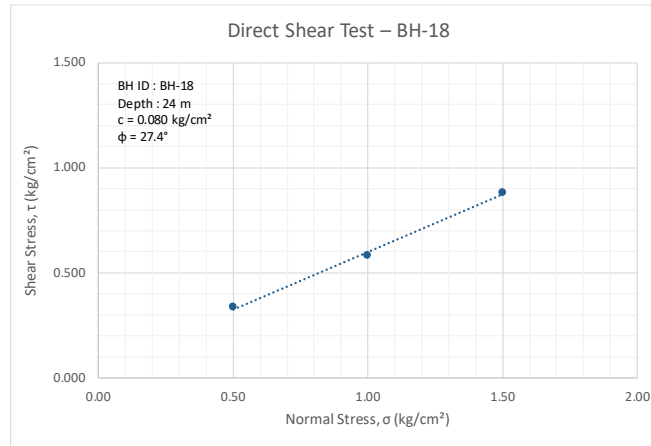
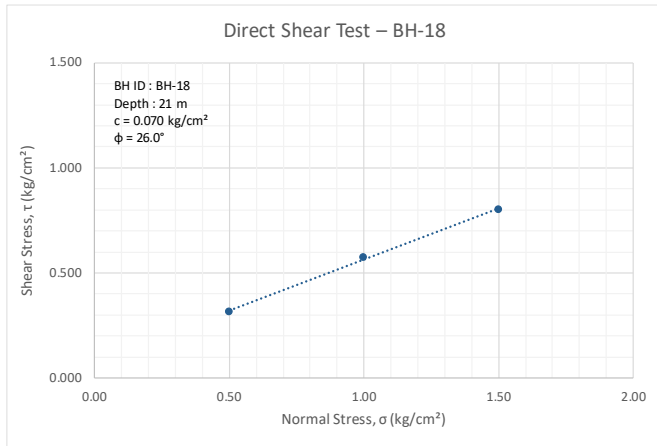
**Soil**

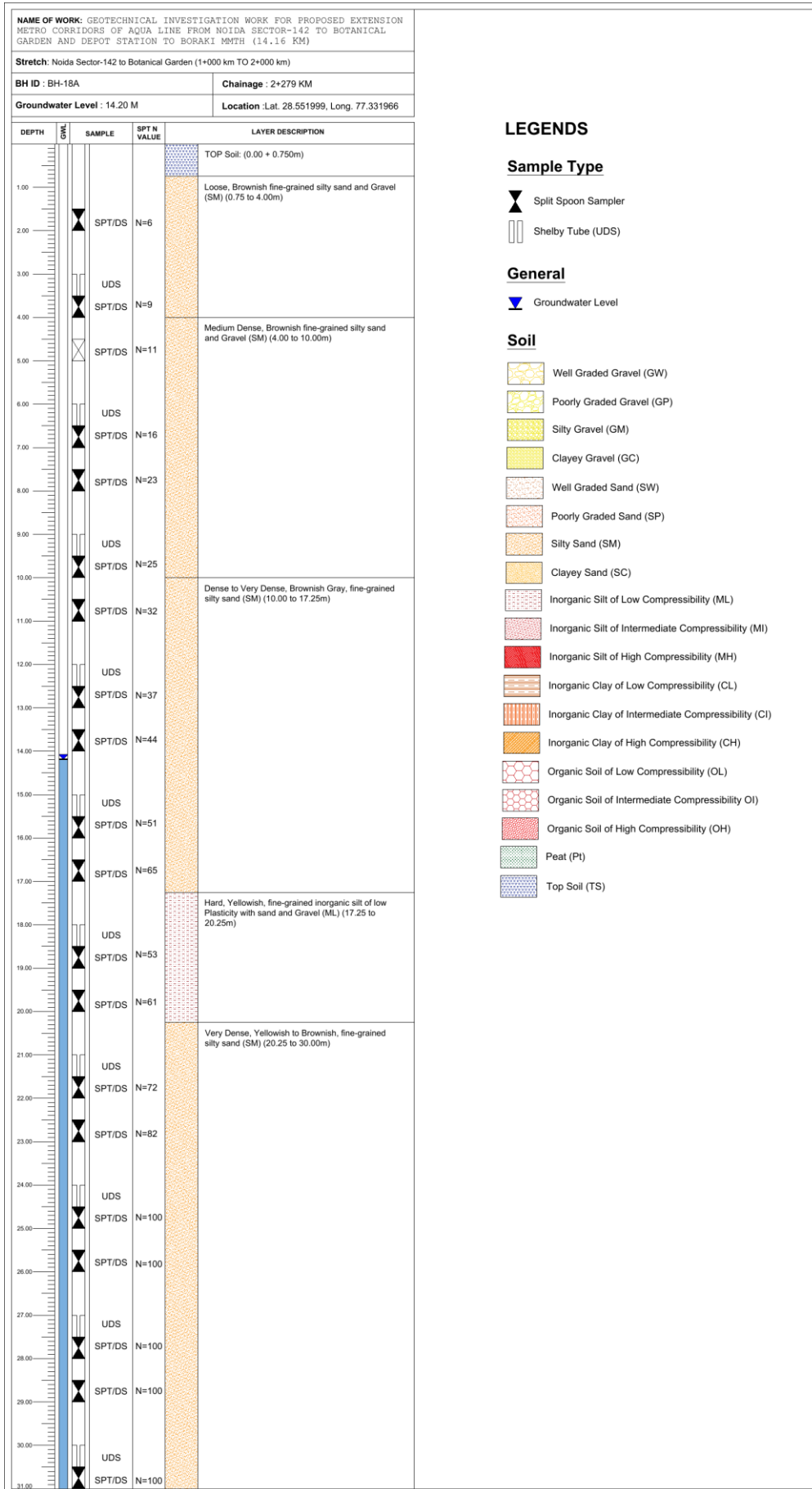
- Well Graded Gravel (GW)
- Poorly Graded Gravel (GP)
- Silty Gravel (GM)
- Clayey Gravel (GC)
- Well Graded Sand (SW)
- Poorly Graded Sand (SP)
- Silty Sand (SM)
- Clayey Sand (SC)
- Inorganic Silt of Low Compressibility (ML)
- Inorganic Silt of Intermediate Compressibility (MI)
- Inorganic Silt of High Compressibility (MH)
- Inorganic Clay of Low Compressibility (CL)
- Inorganic Clay of Intermediate Compressibility (CI)
- Inorganic Clay of High Compressibility (CH)
- Organic Soil of Low Compressibility (OL)
- Organic Soil of Intermediate Compressibility (OI)
- Organic Soil of High Compressibility (OH)
- Peat (Pt)
- Top Soil (TS)











**LEGENDS**

**Sample Type**

- Split Spoon Sampler
- Shelby Tube (UDS)

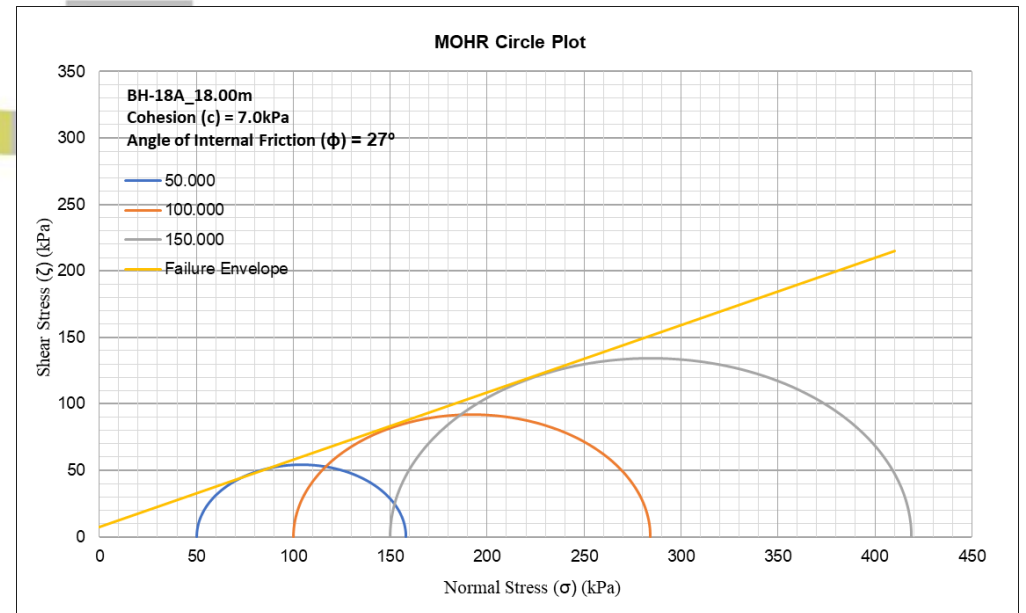
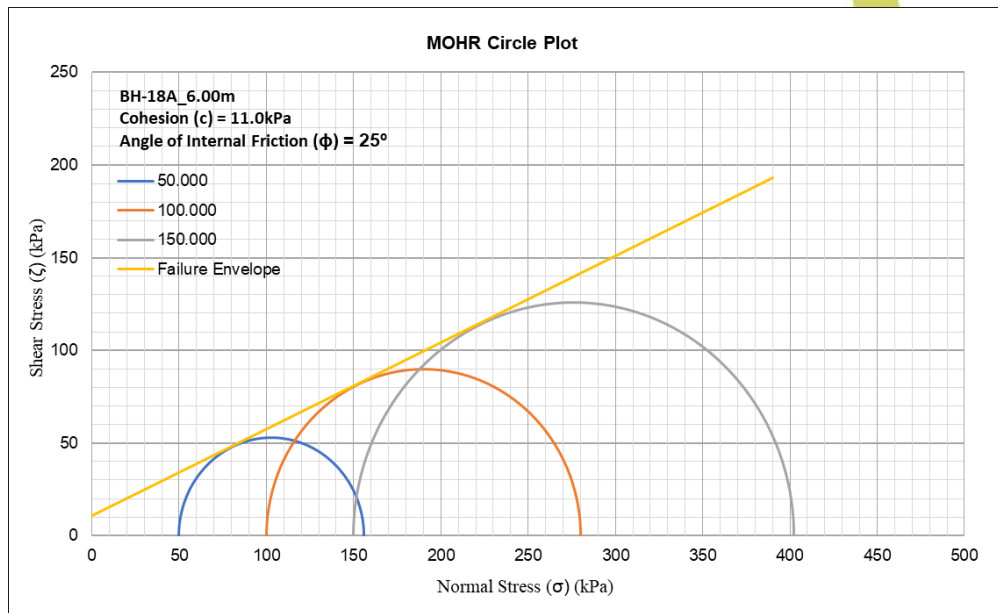
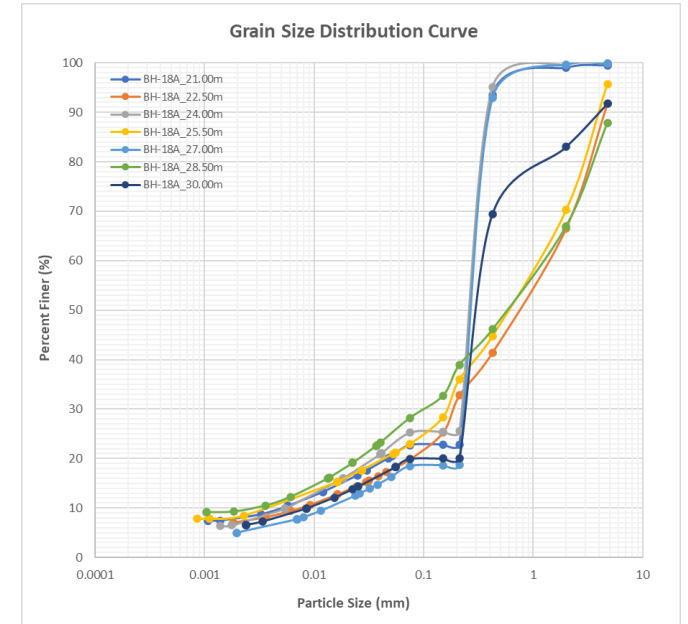
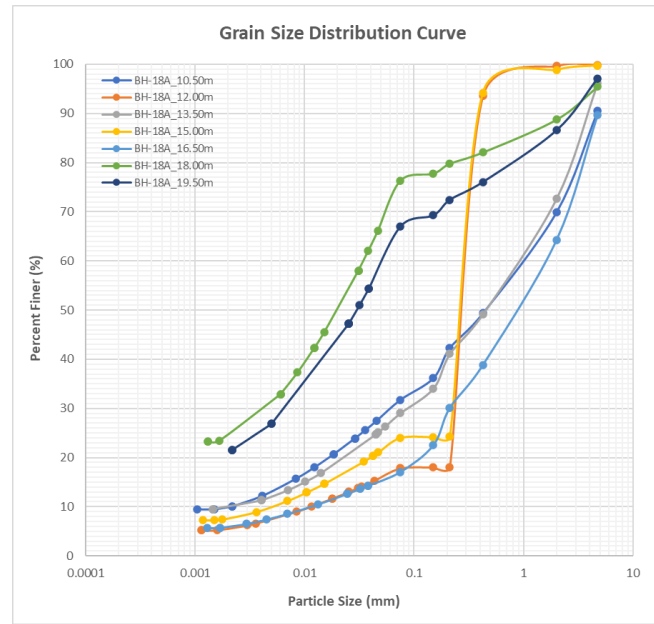
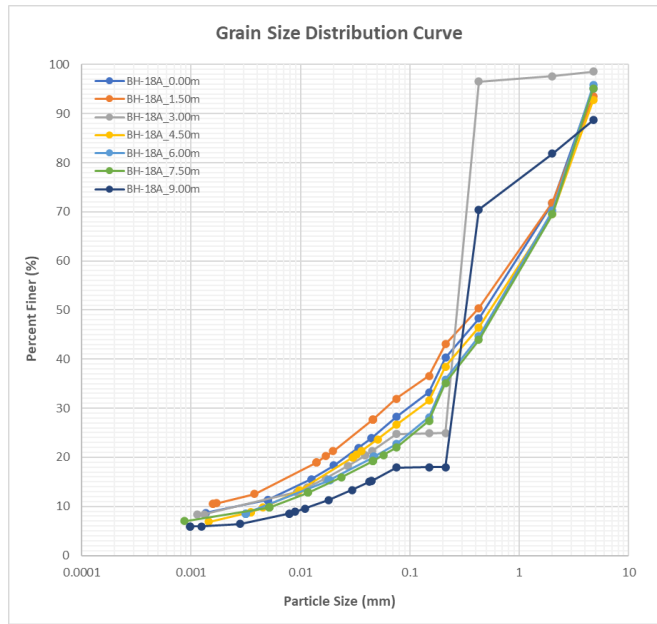
**General**

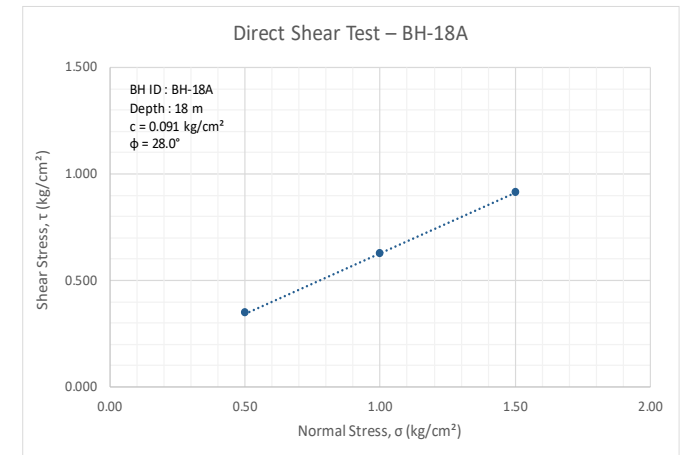
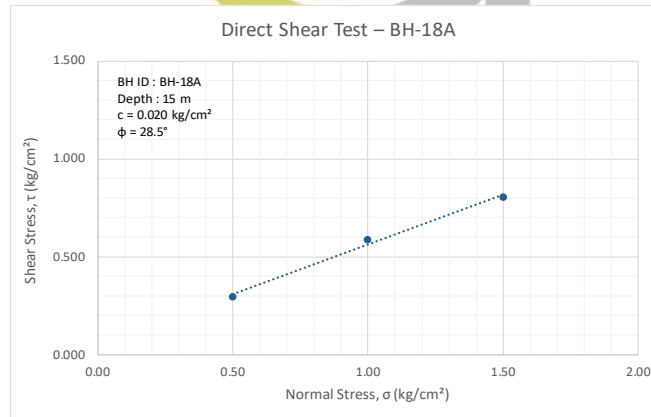
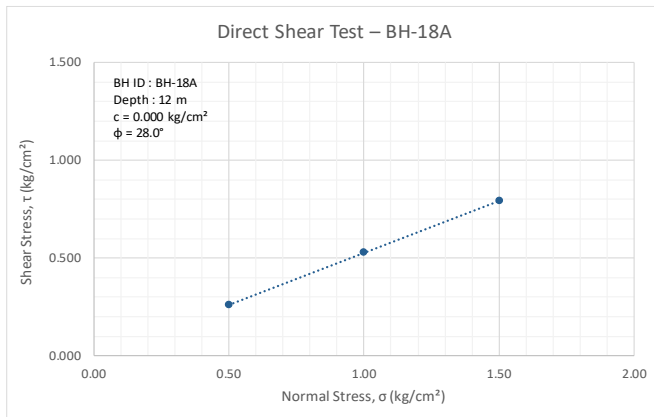
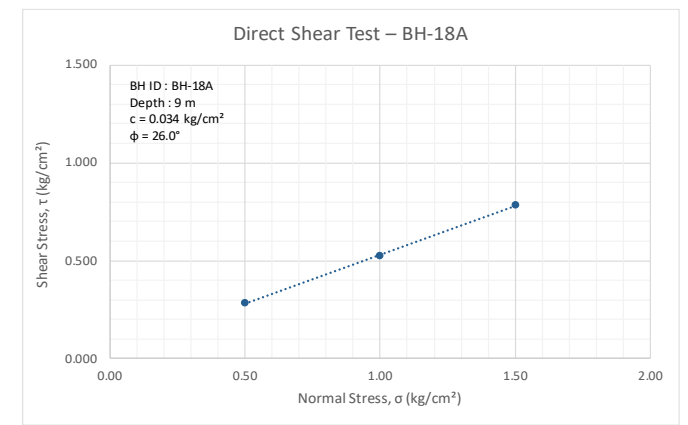
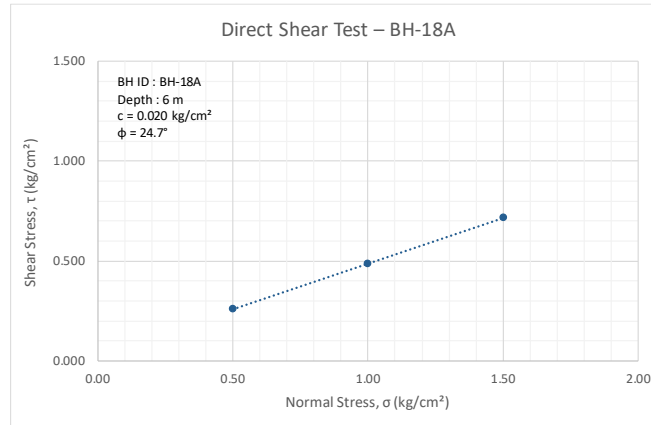
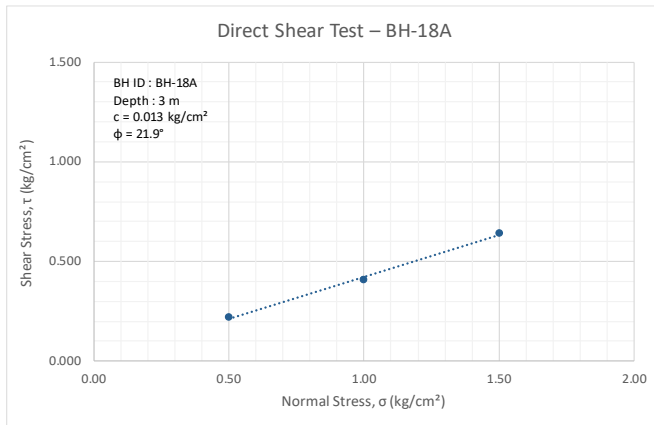
- Groundwater Level

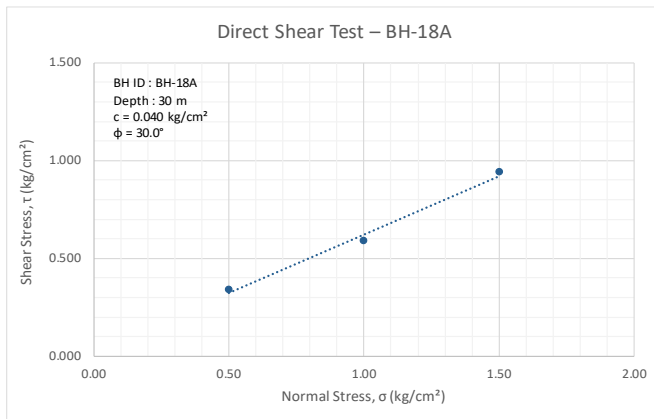
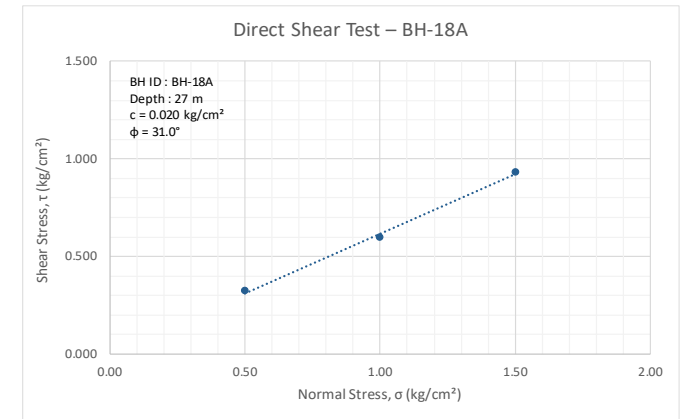
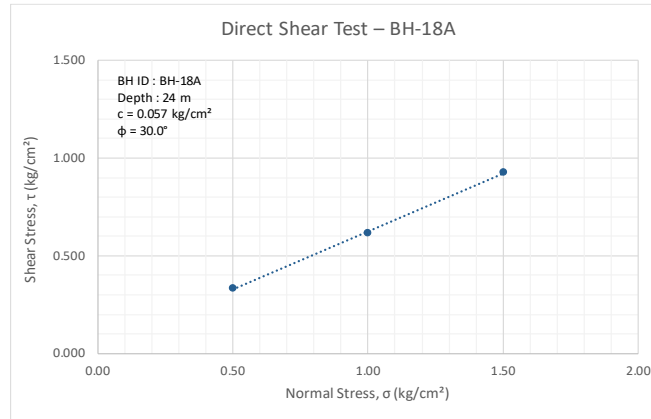
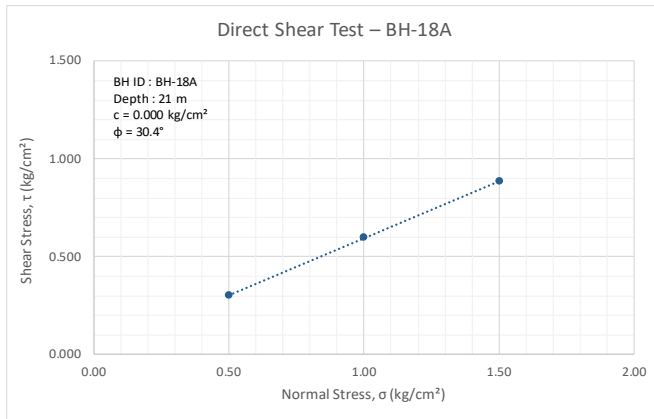
**Soil**

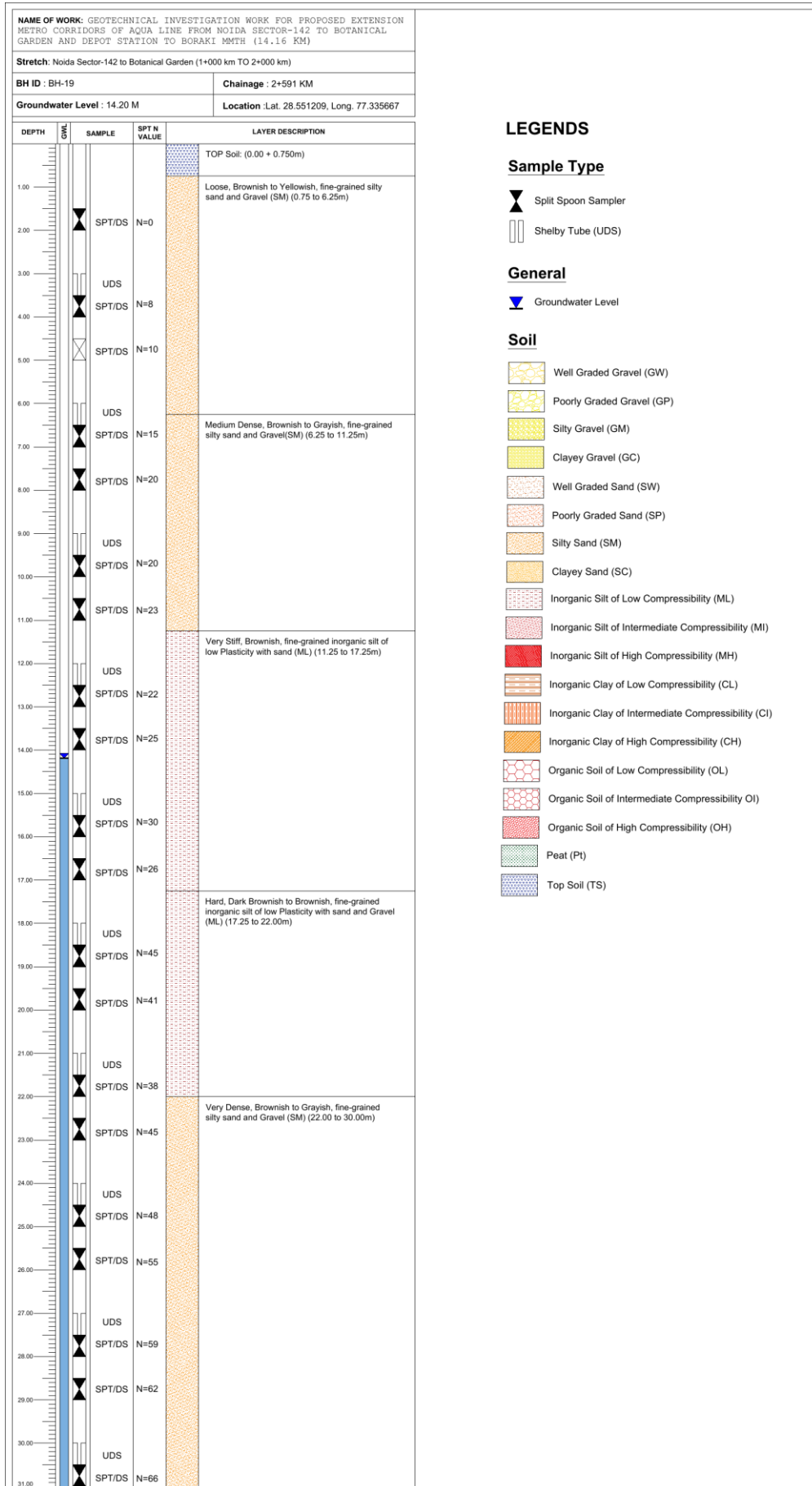
- Well Graded Gravel (GW)
- Poorly Graded Gravel (GP)
- Silty Gravel (GM)
- Clayey Gravel (GC)
- Well Graded Sand (SW)
- Poorly Graded Sand (SP)
- Silty Sand (SM)
- Clayey Sand (SC)
- Inorganic Silt of Low Compressibility (ML)
- Inorganic Silt of Intermediate Compressibility (MI)
- Inorganic Silt of High Compressibility (MH)
- Inorganic Clay of Low Compressibility (CL)
- Inorganic Clay of Intermediate Compressibility (CI)
- Inorganic Clay of High Compressibility (CH)
- Organic Soil of Low Compressibility (OL)
- Organic Soil of Intermediate Compressibility (OI)
- Organic Soil of High Compressibility (OH)
- Peat (Pt)
- Top Soil (TS)











**LEGENDS**

**Sample Type**

- Split Spoon Sampler
- Shelby Tube (UDS)

**General**

- Groundwater Level

**Soil**

- Well Graded Gravel (GW)
- Poorly Graded Gravel (GP)
- Silty Gravel (GM)
- Clayey Gravel (GC)
- Well Graded Sand (SW)
- Poorly Graded Sand (SP)
- Silty Sand (SM)
- Clayey Sand (SC)
- Inorganic Silt of Low Compressibility (ML)
- Inorganic Silt of Intermediate Compressibility (MI)
- Inorganic Silt of High Compressibility (MH)
- Inorganic Clay of Low Compressibility (CL)
- Inorganic Clay of Intermediate Compressibility (CI)
- Inorganic Clay of High Compressibility (CH)
- Organic Soil of Low Compressibility (OL)
- Organic Soil of Intermediate Compressibility (OI)
- Organic Soil of High Compressibility (OH)
- Peat (Pt)
- Top Soil (TS)



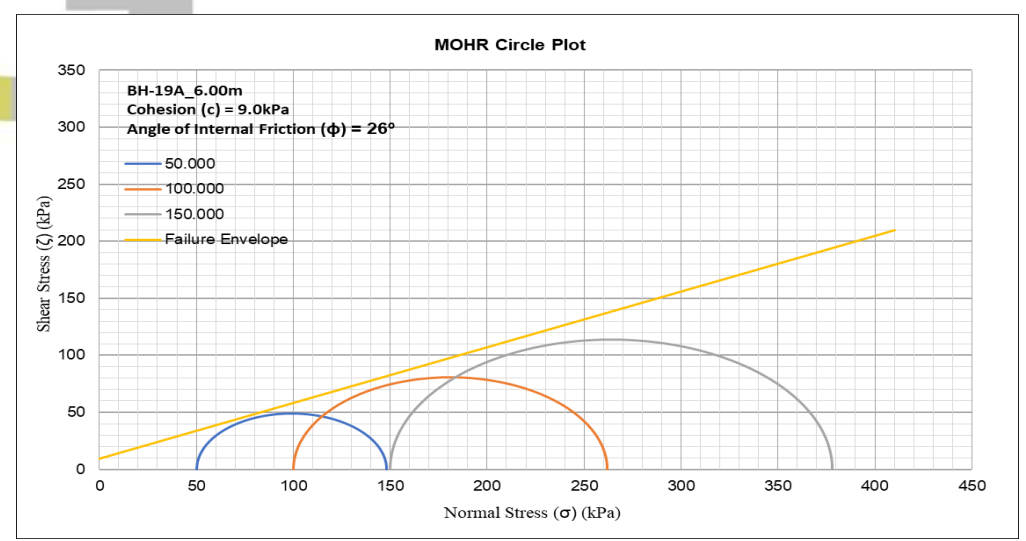
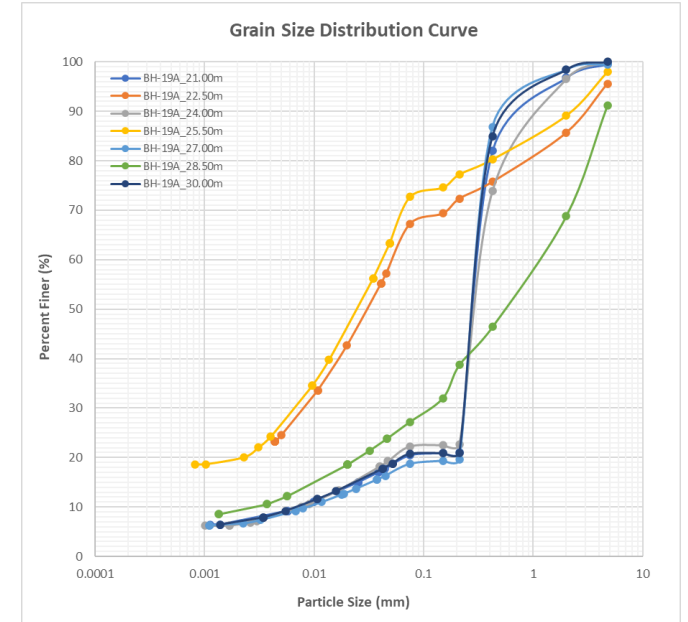
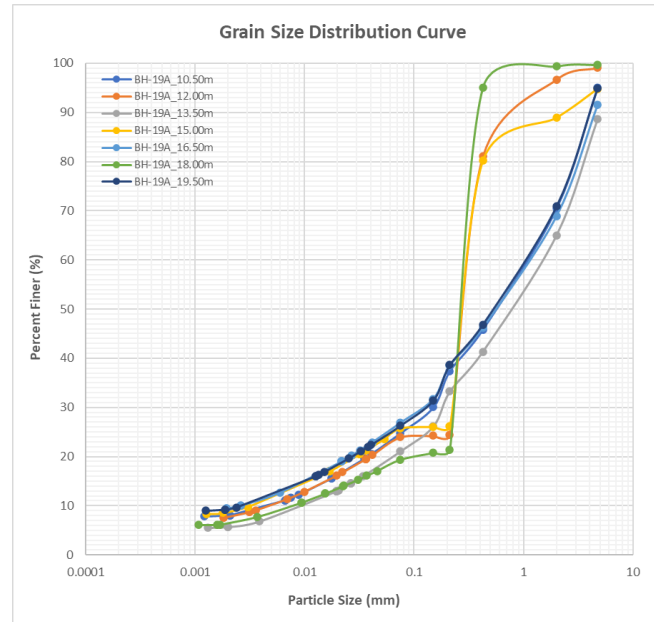
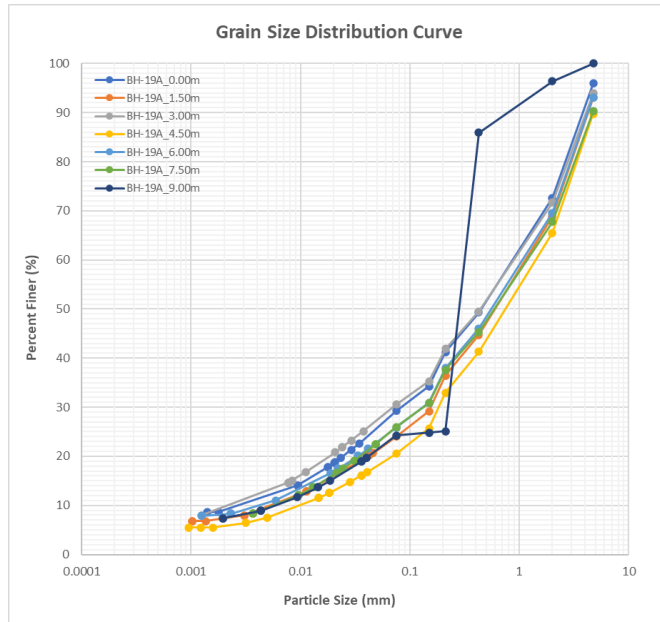




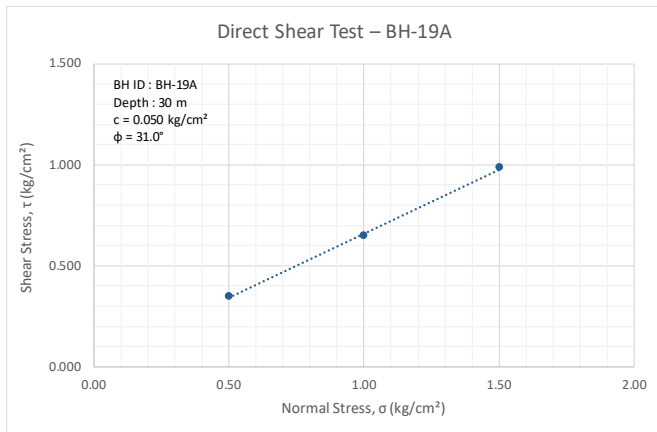
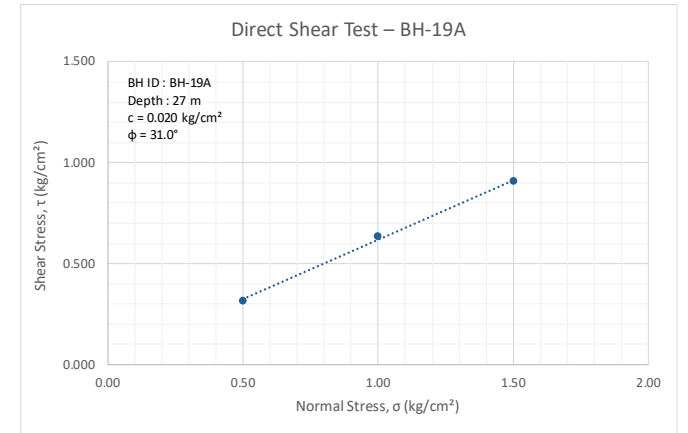
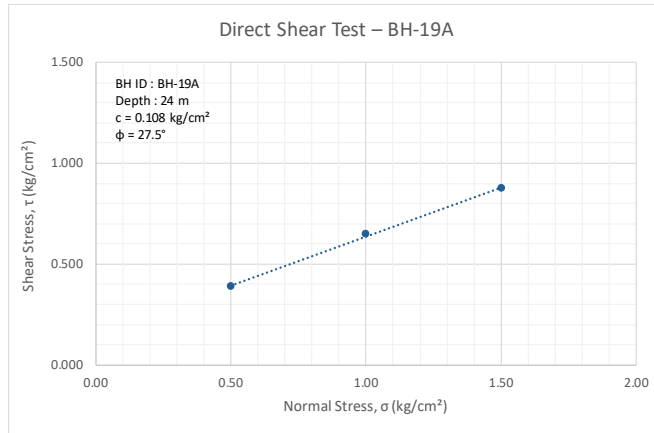
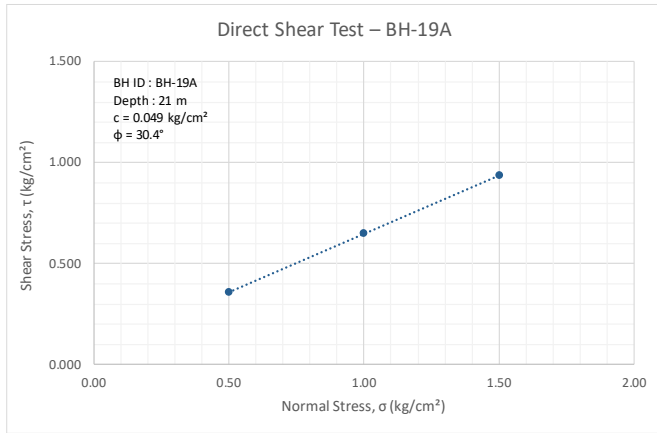






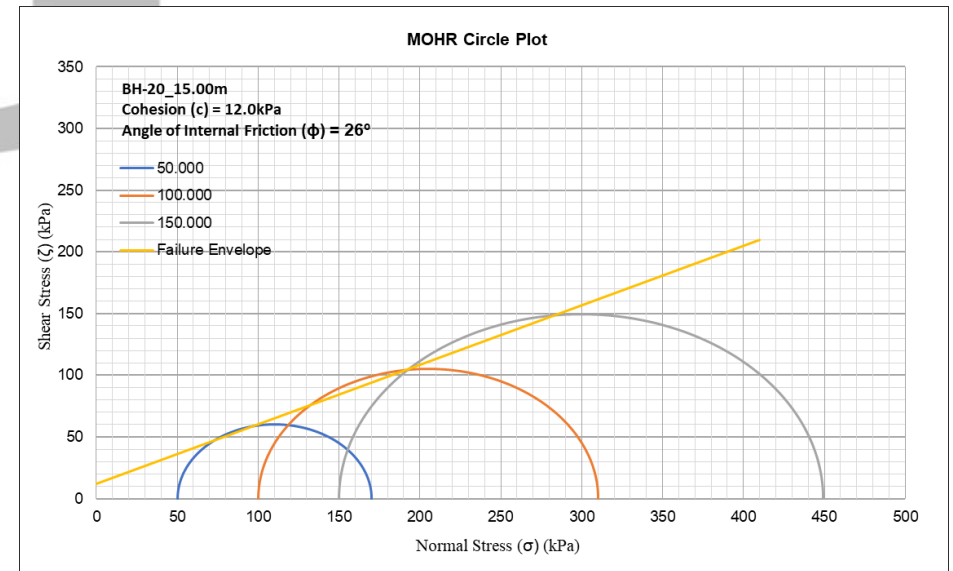
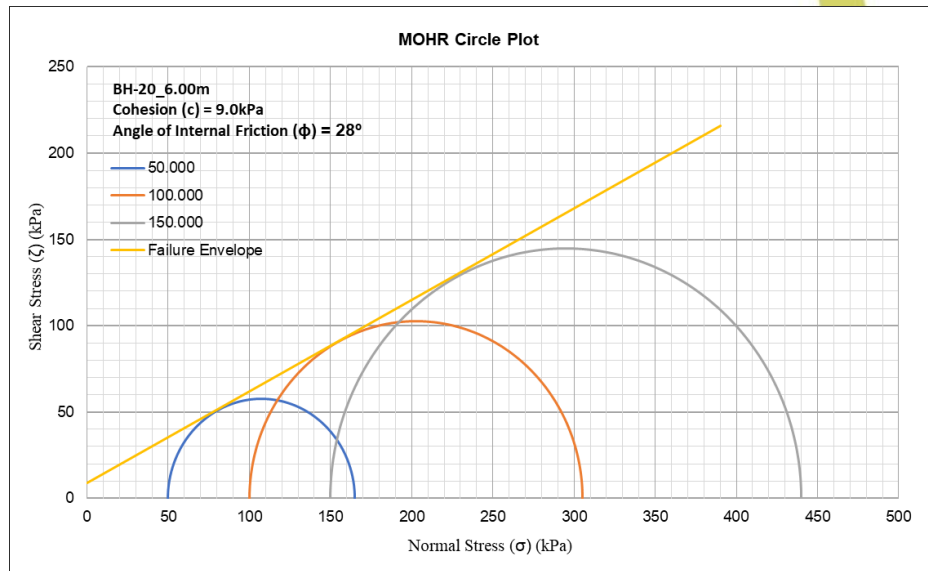
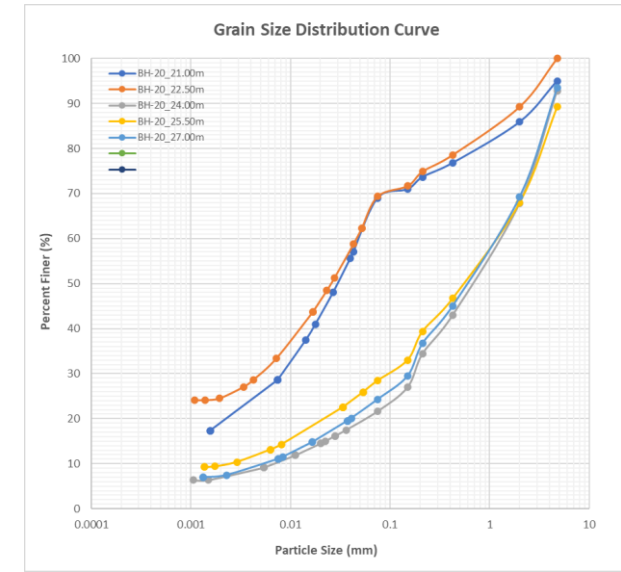
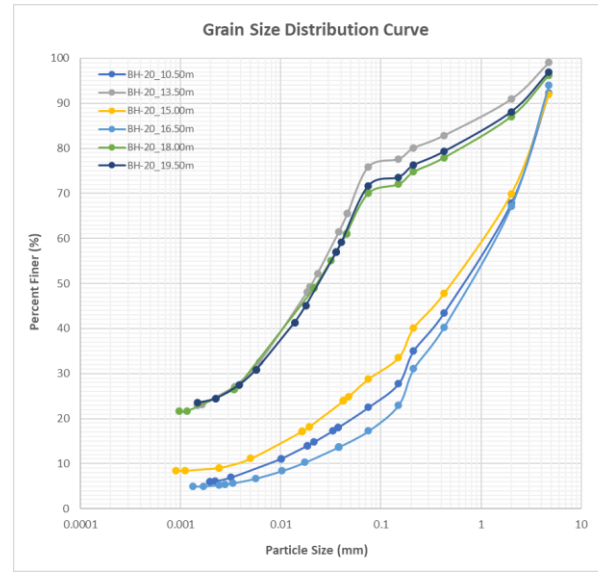
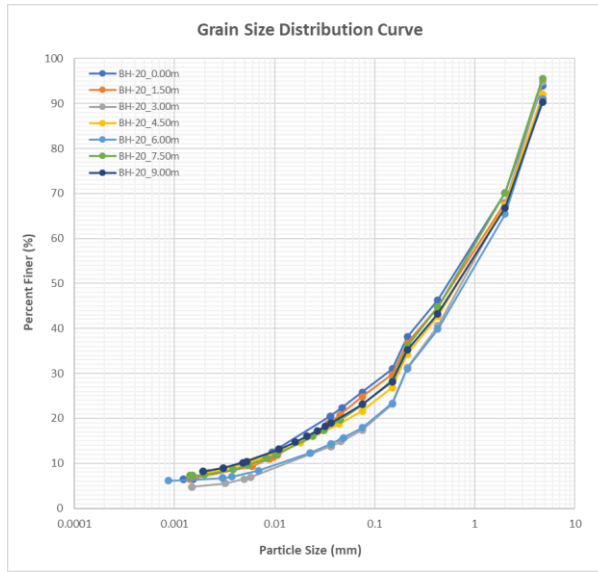




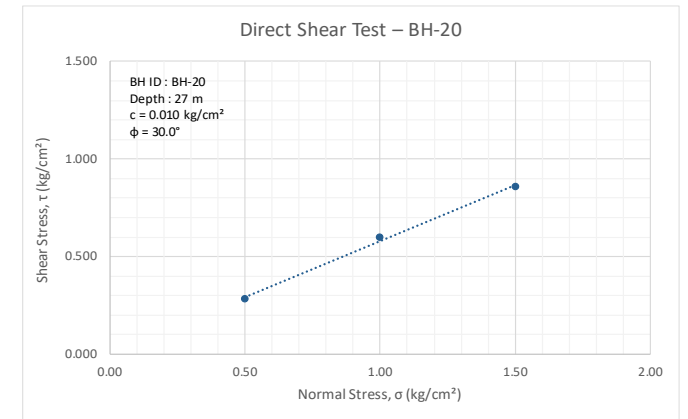
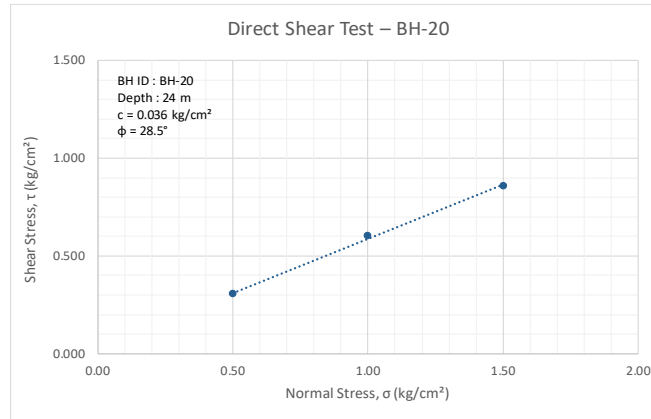
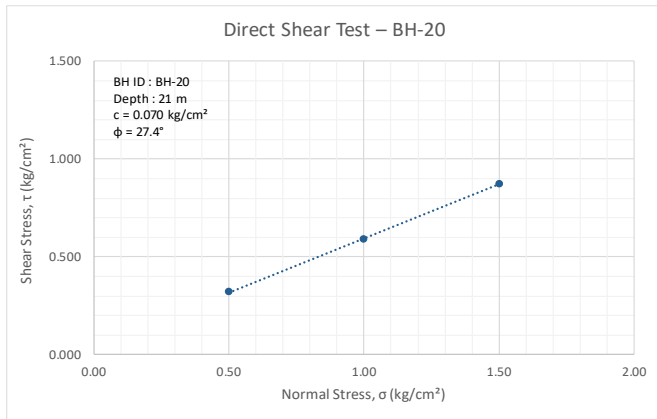






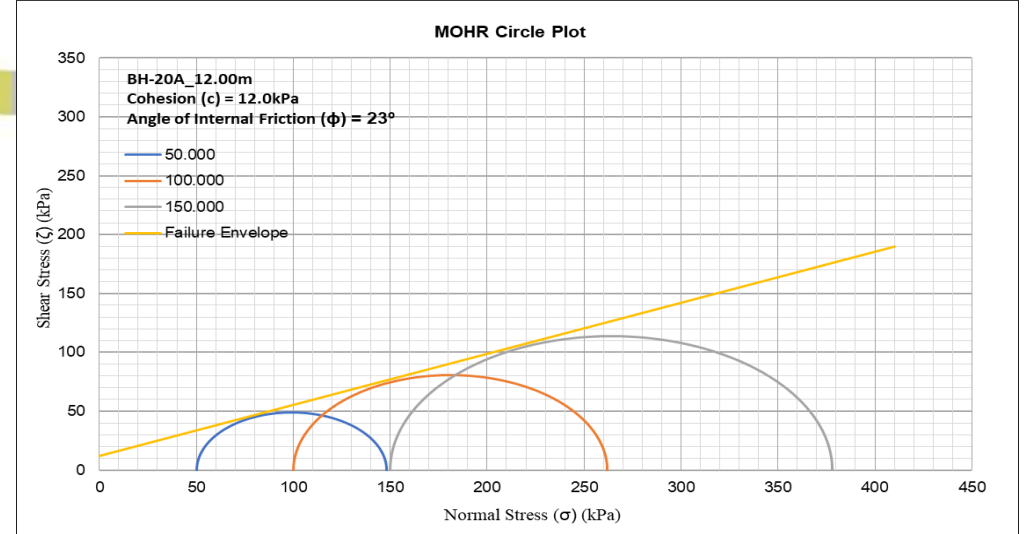
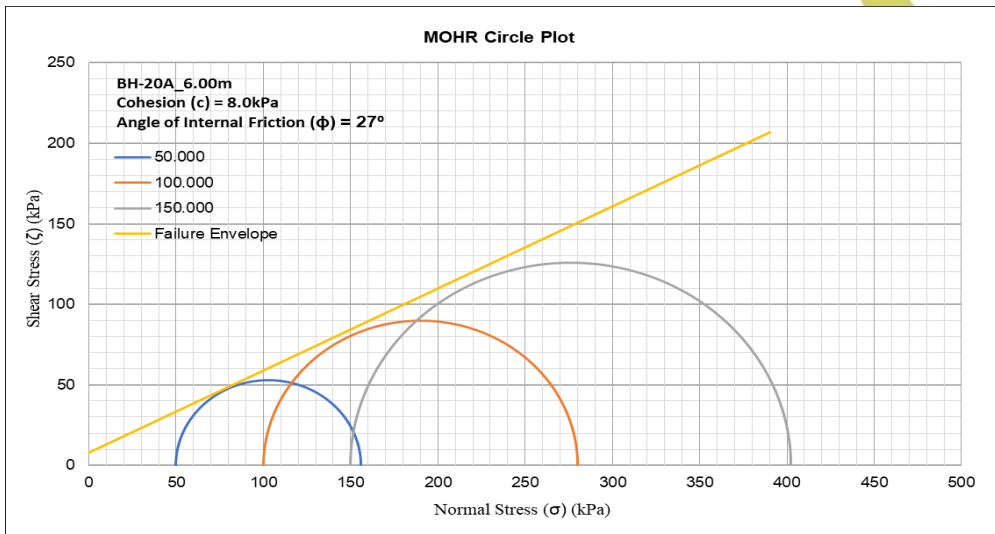
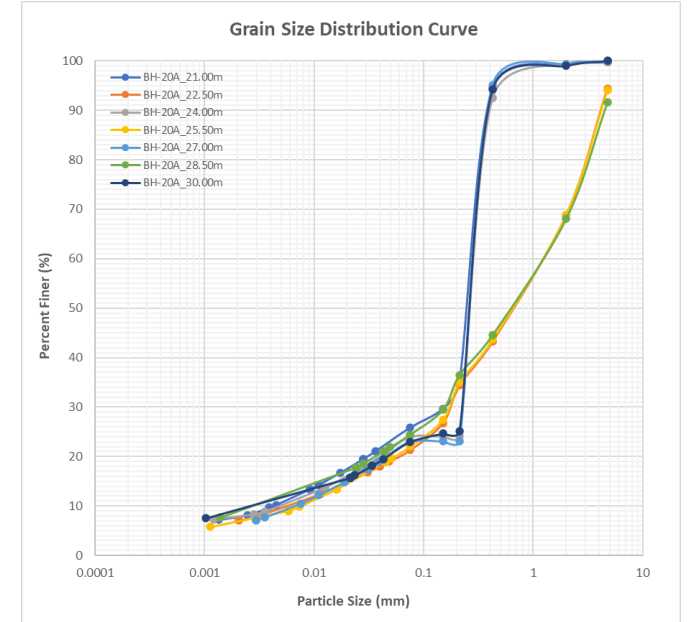
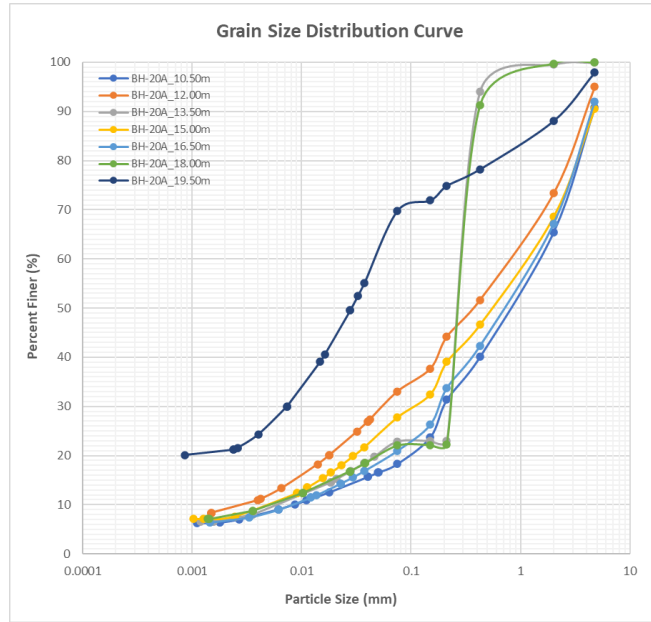
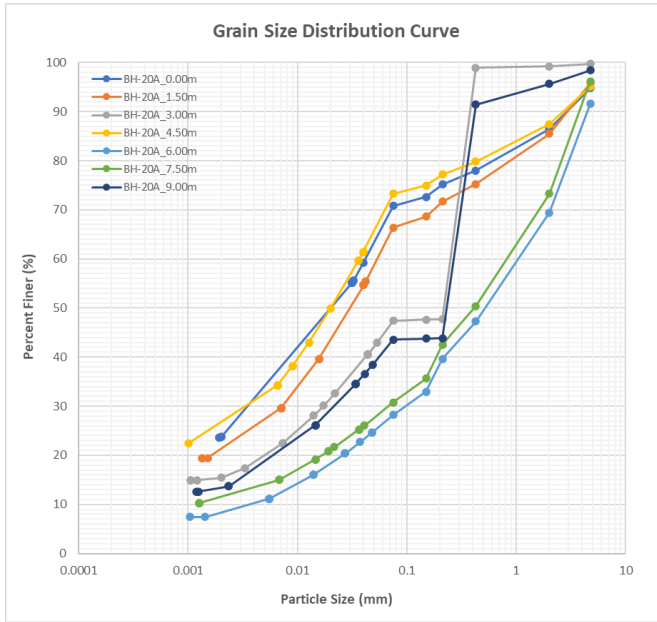


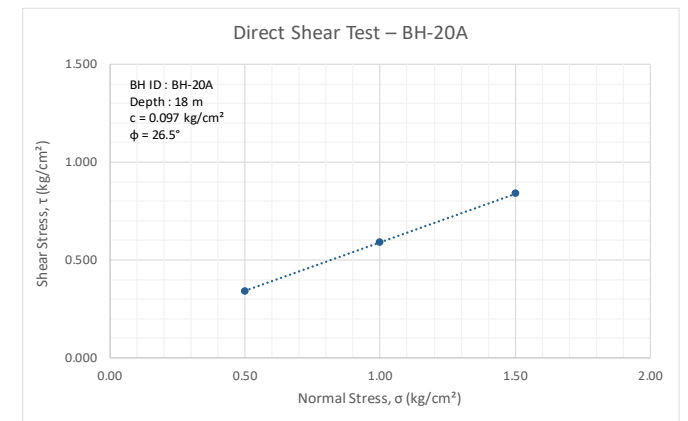
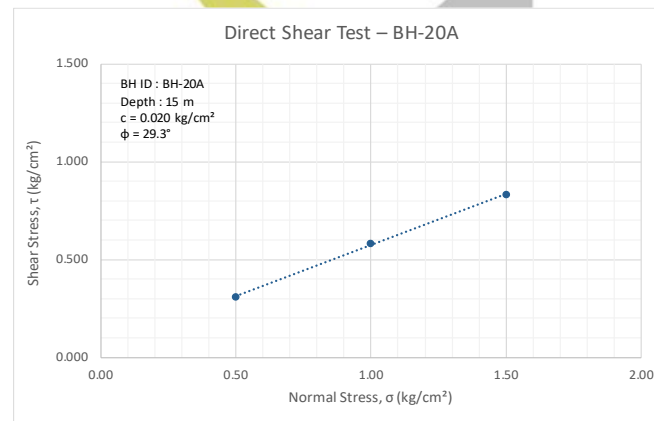
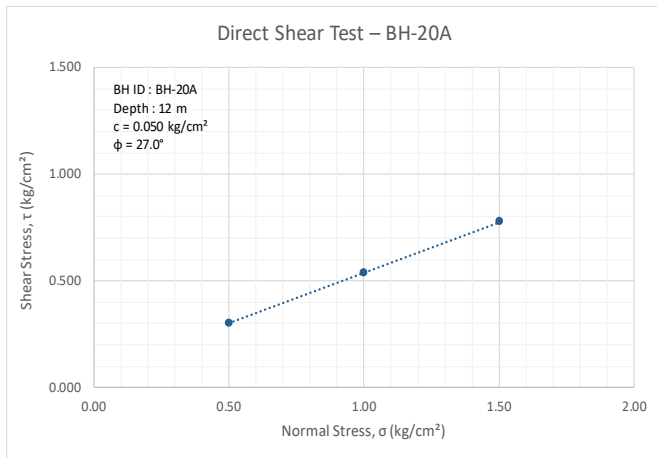
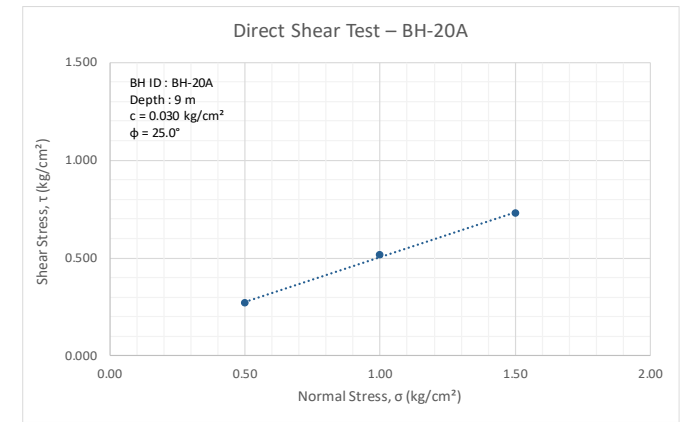
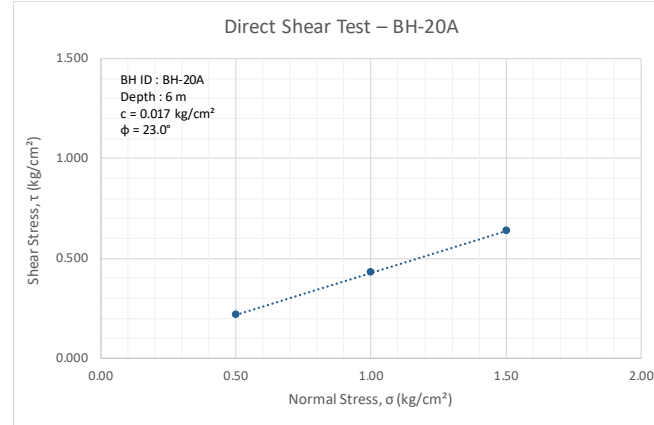
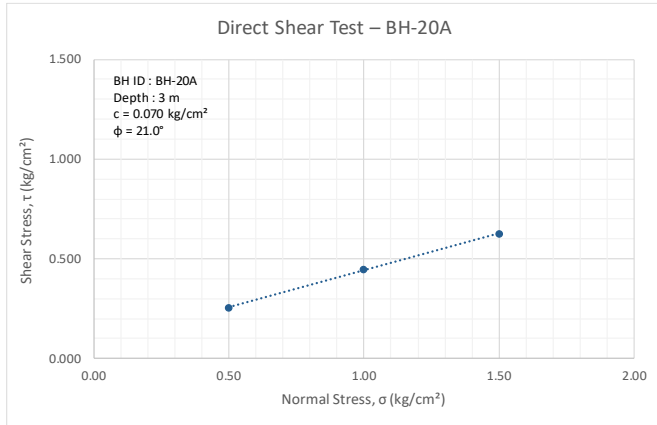


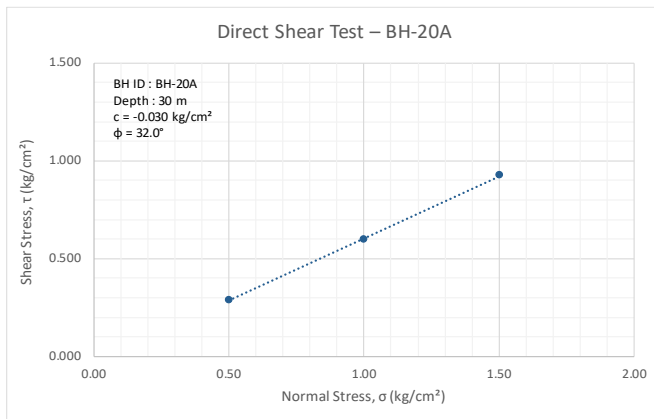
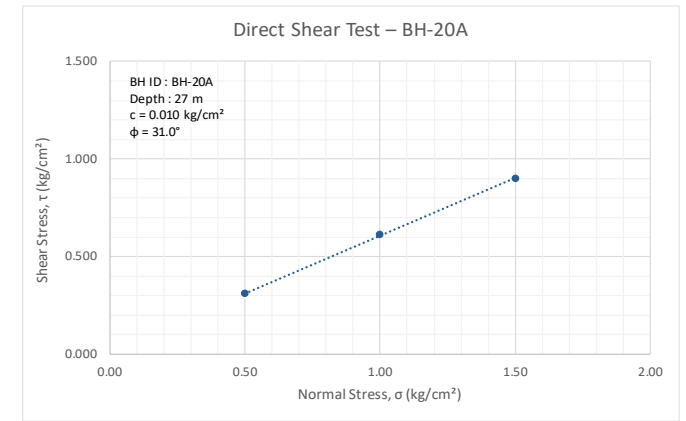
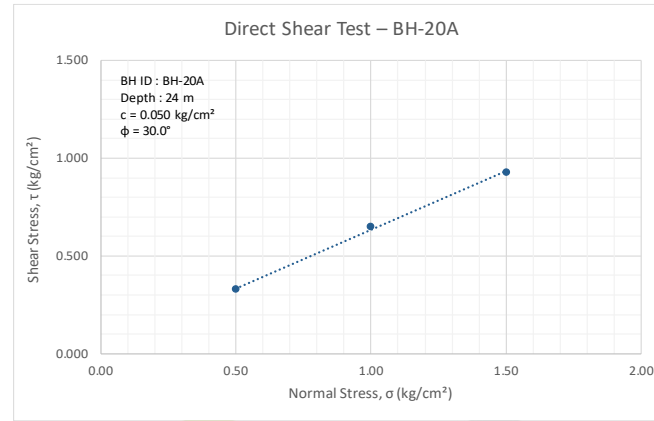
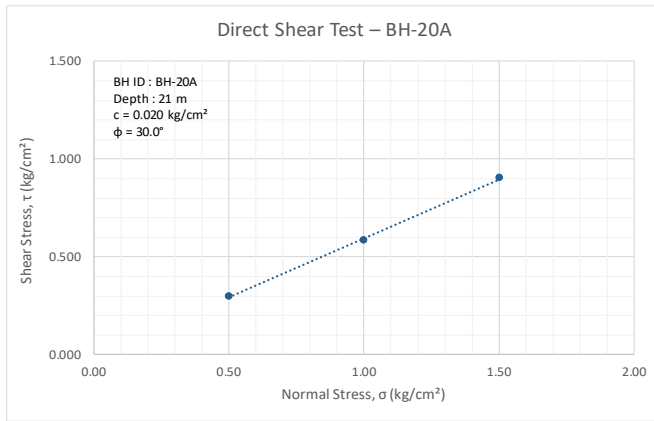






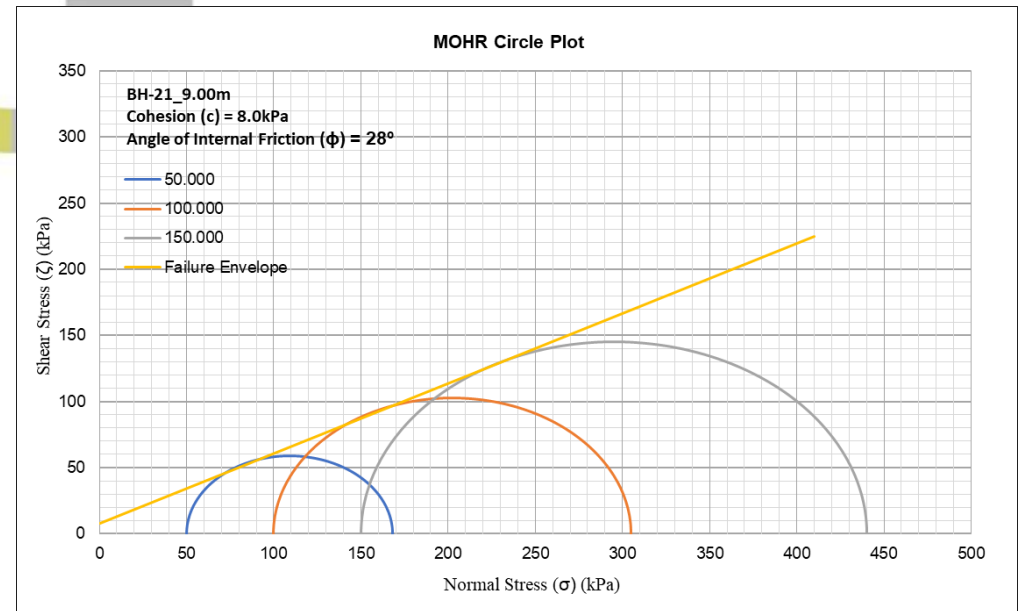
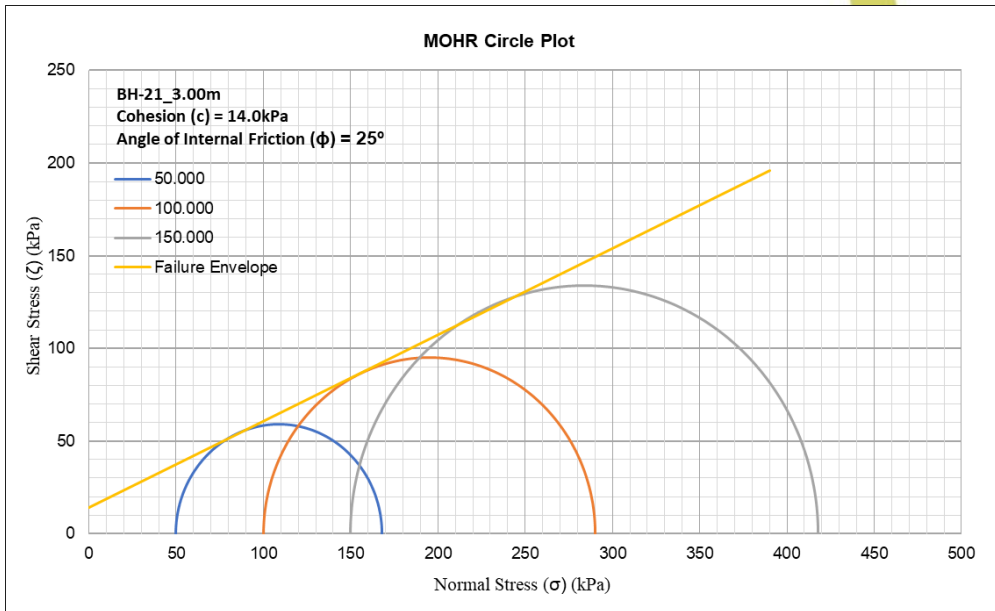
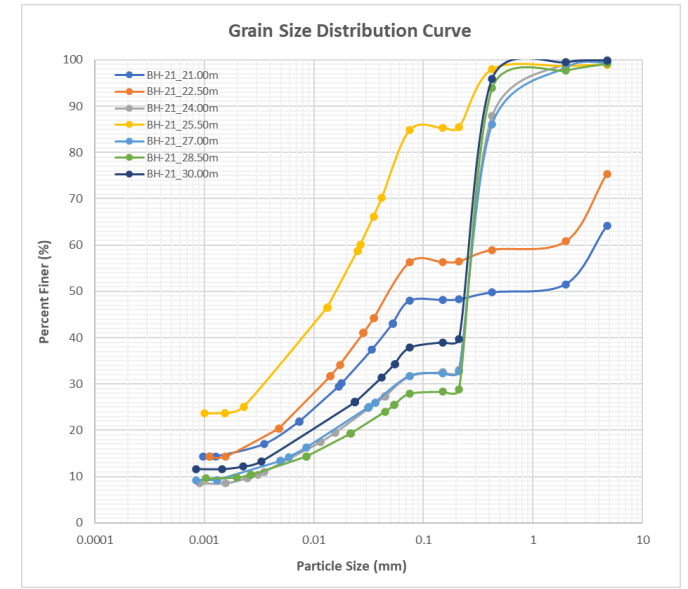
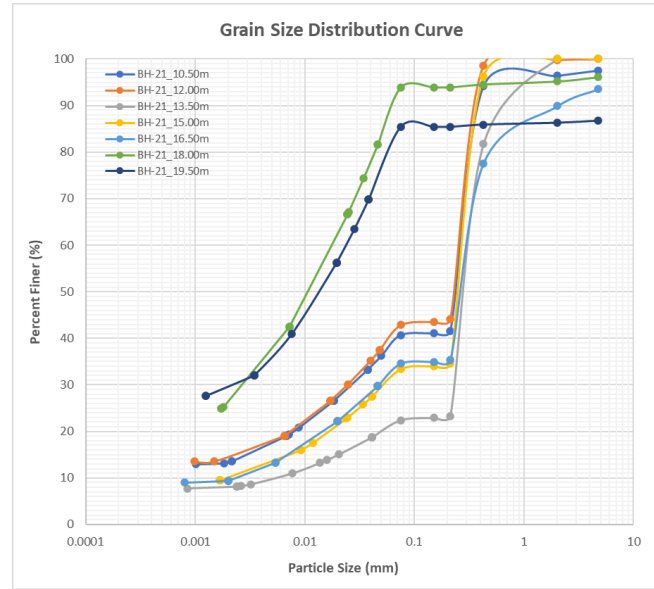
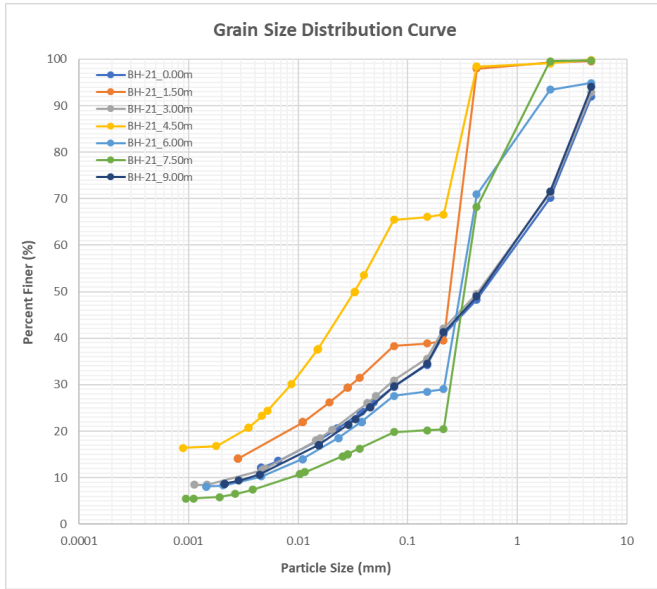




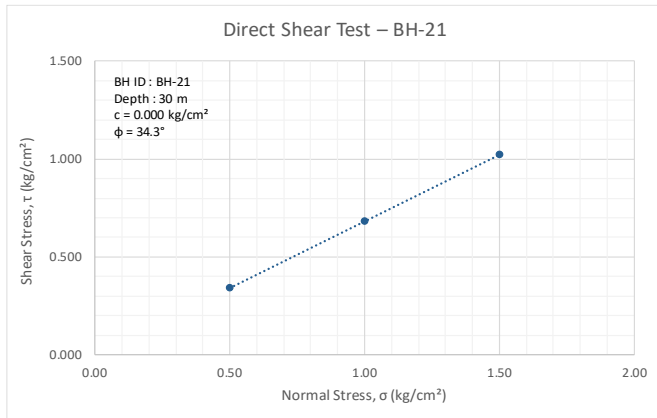
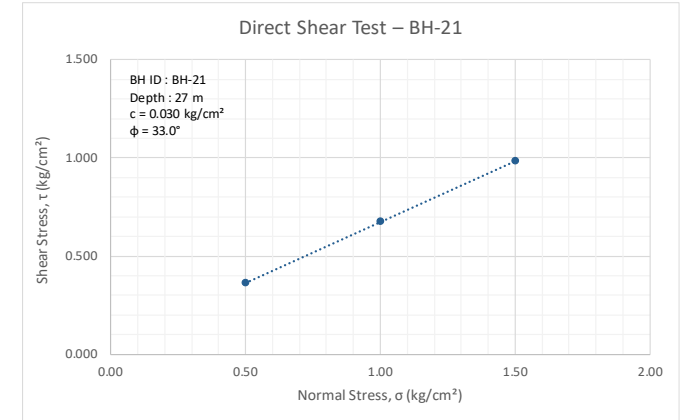
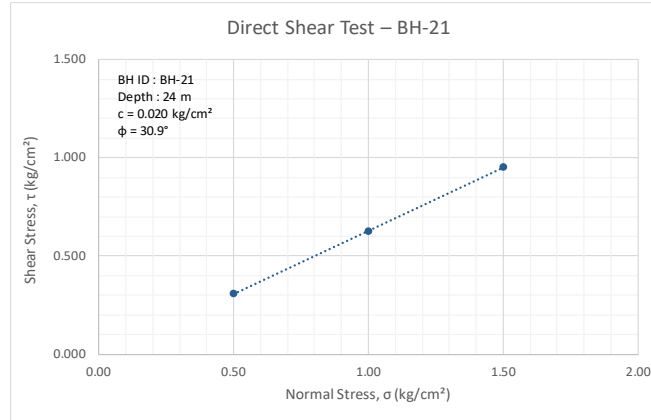
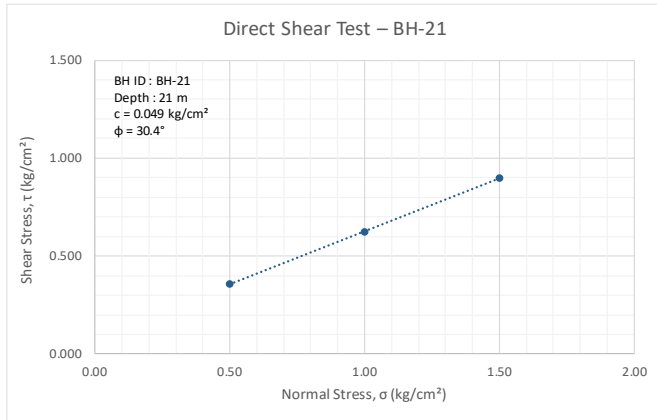






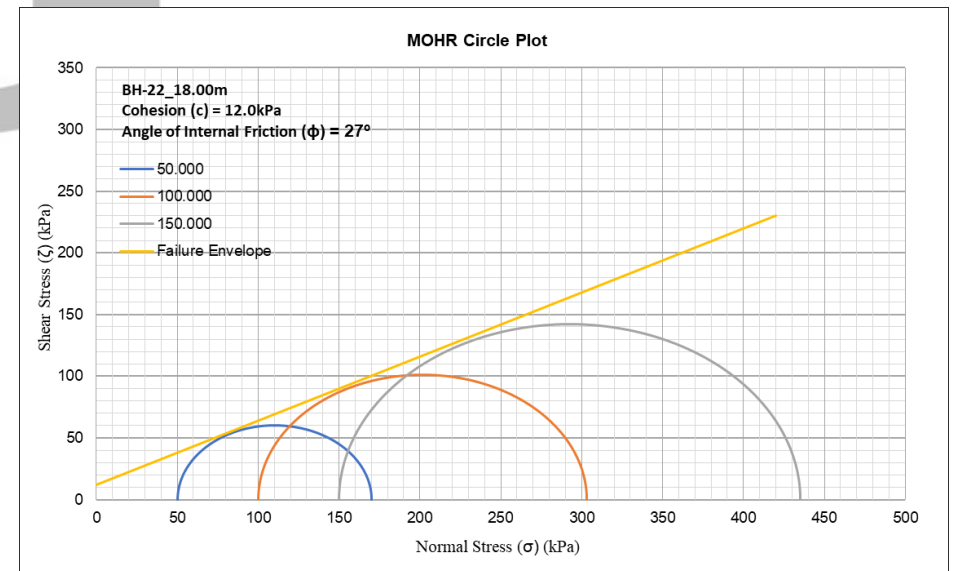
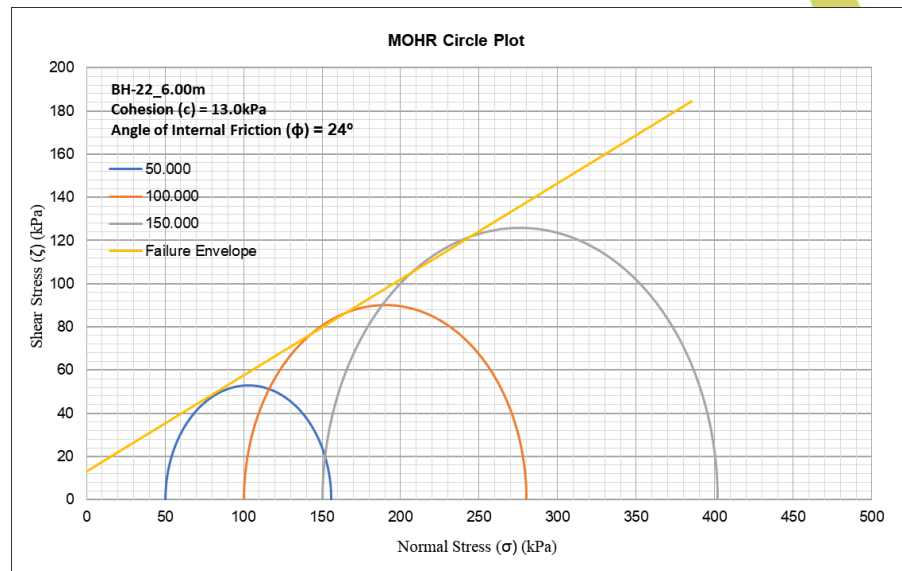
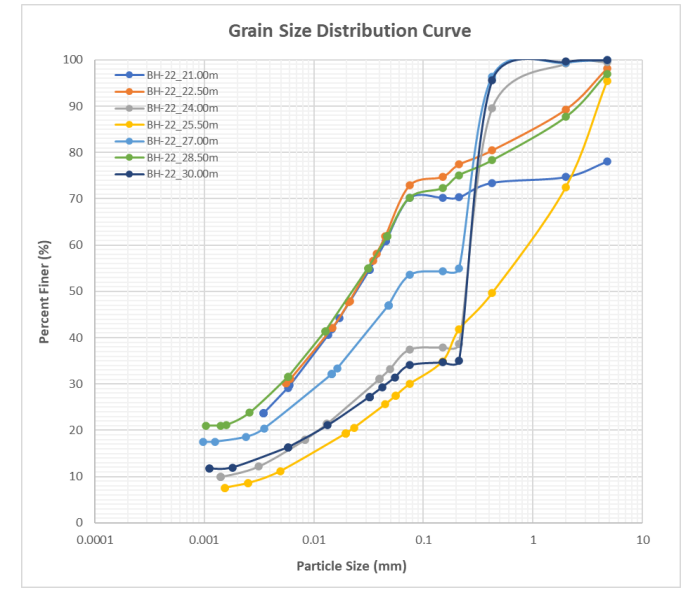
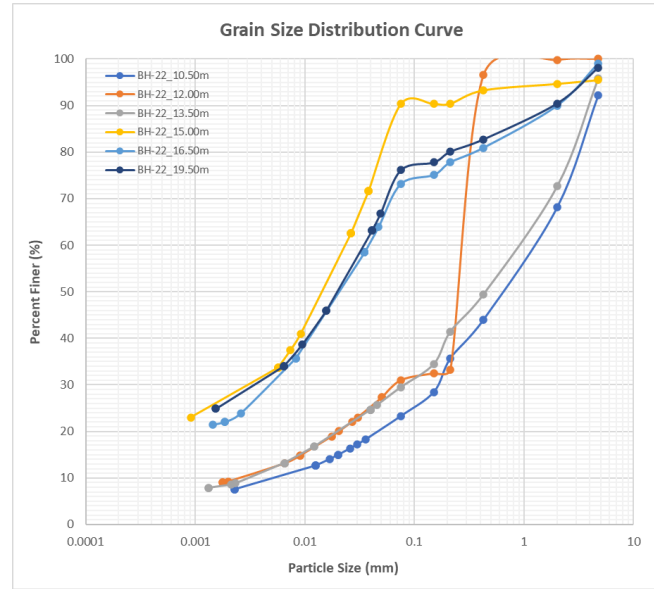
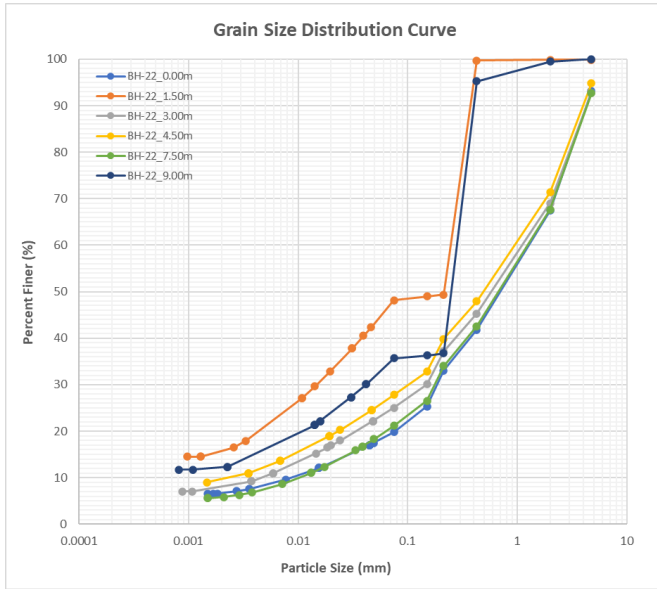


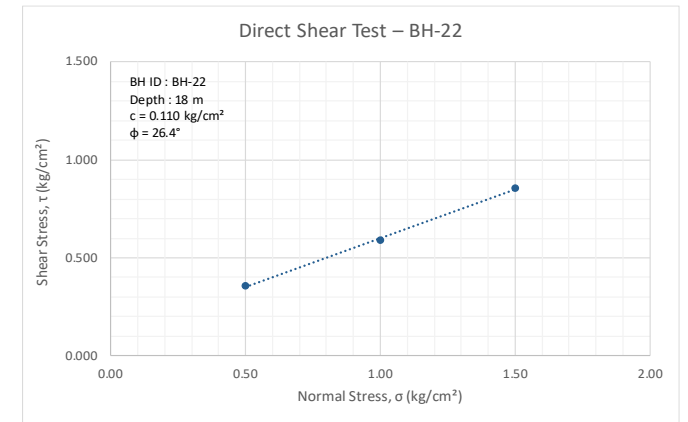
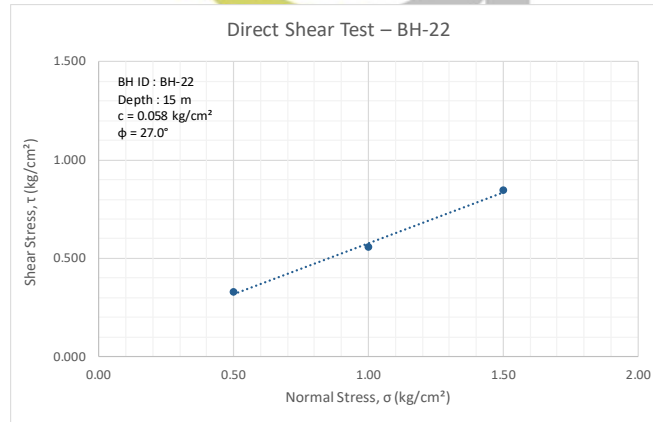
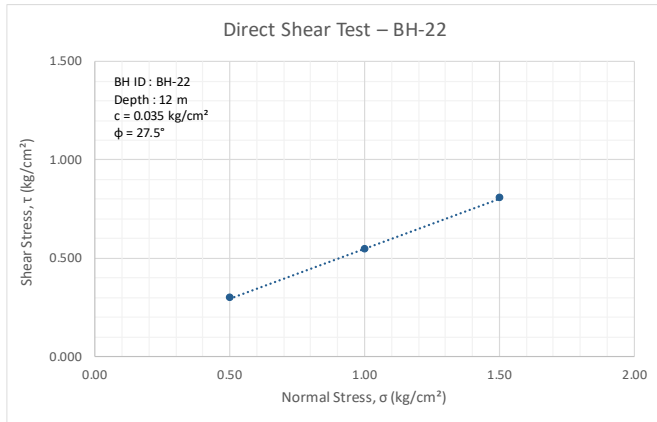
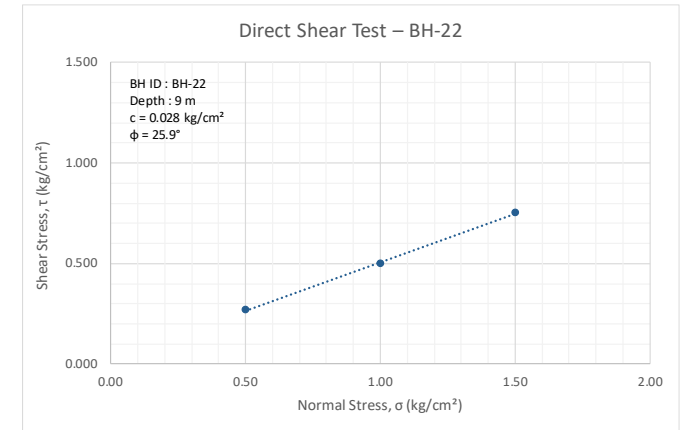
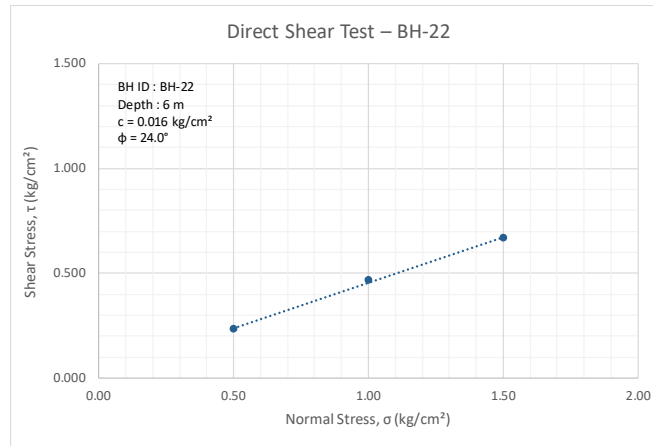
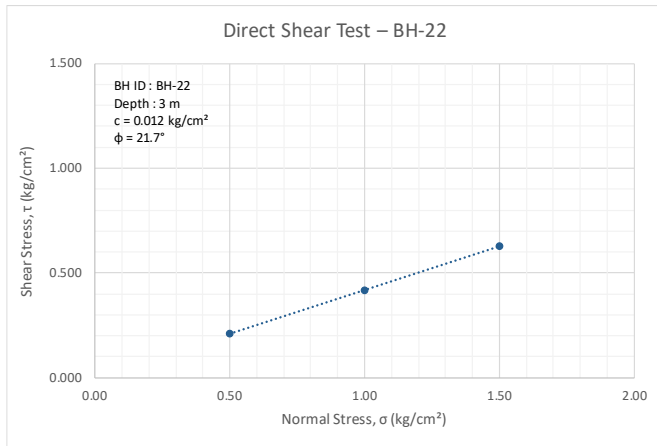


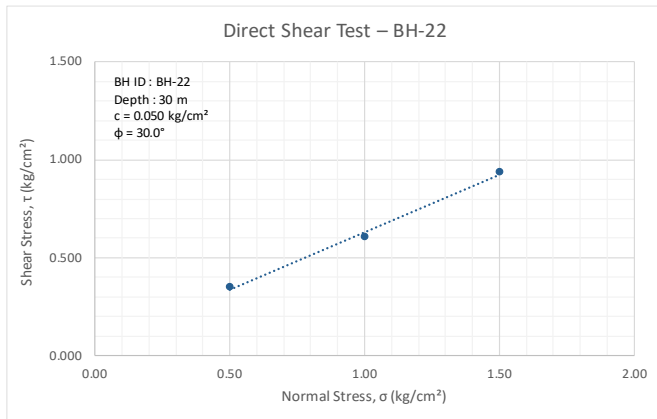
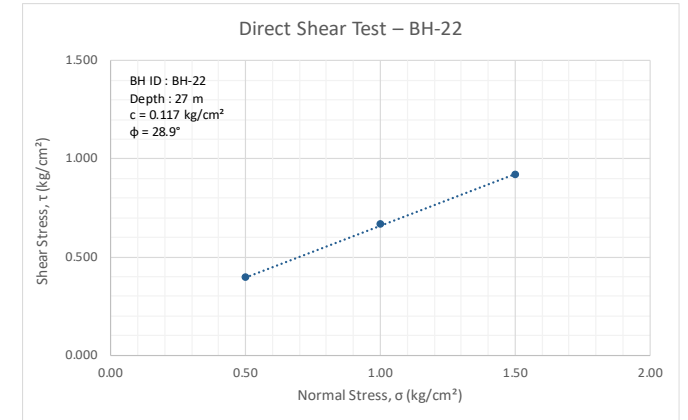
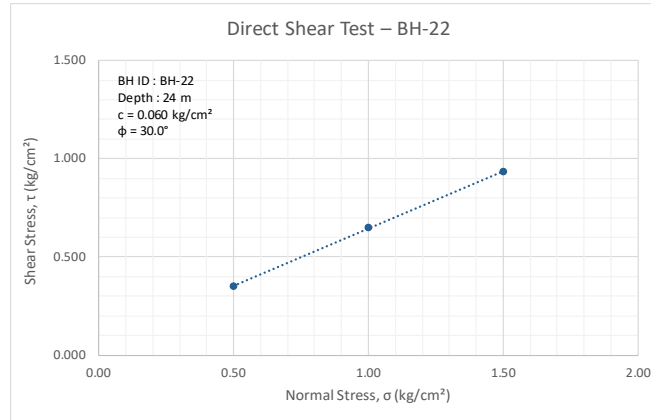
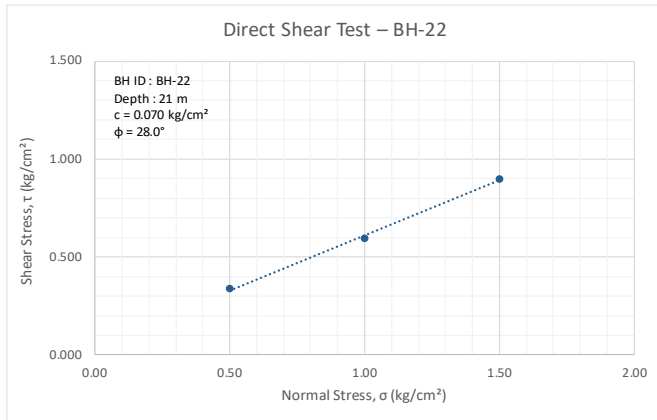


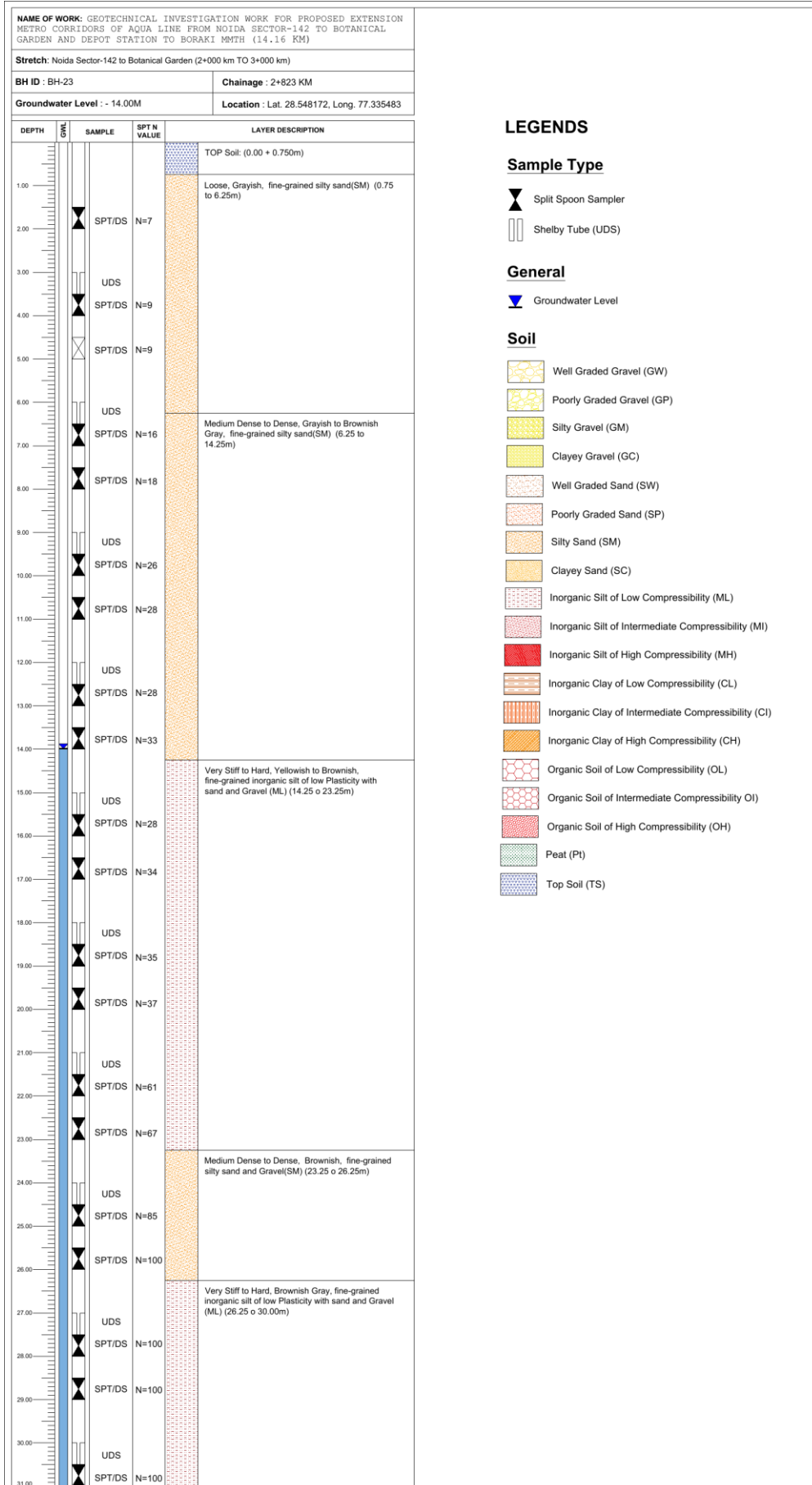




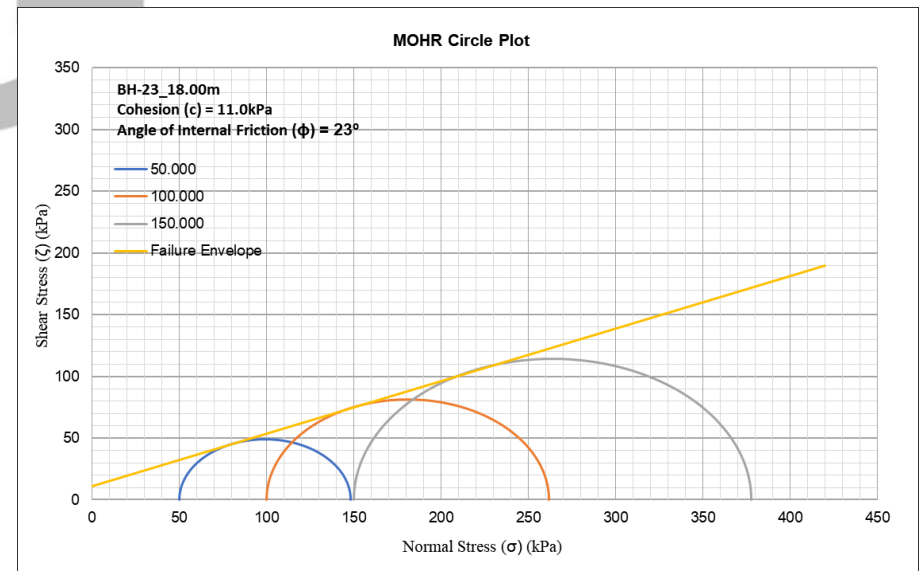
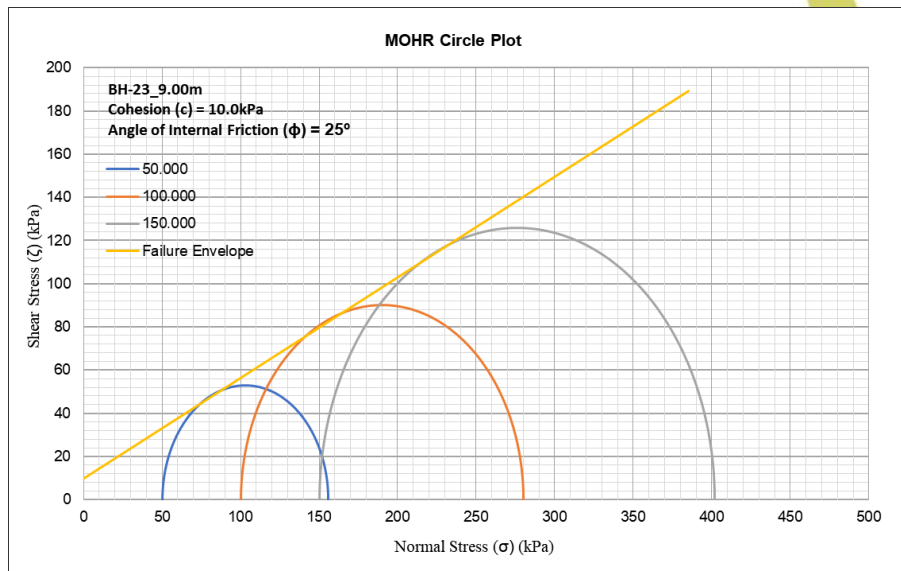
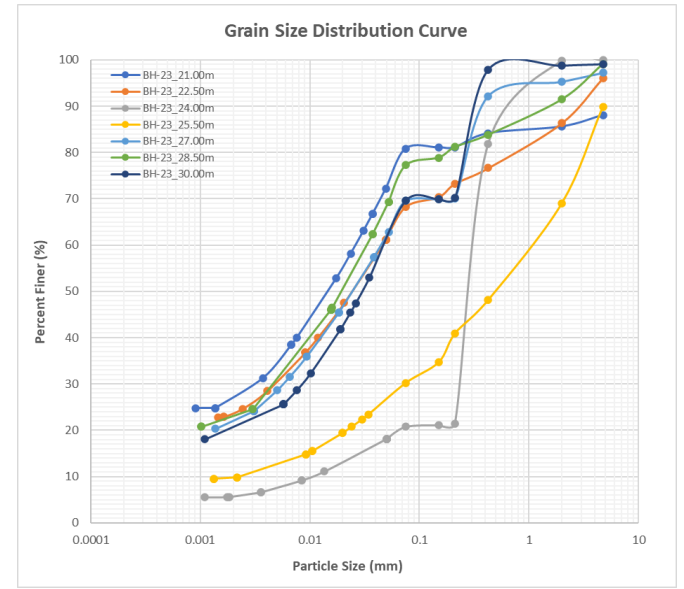
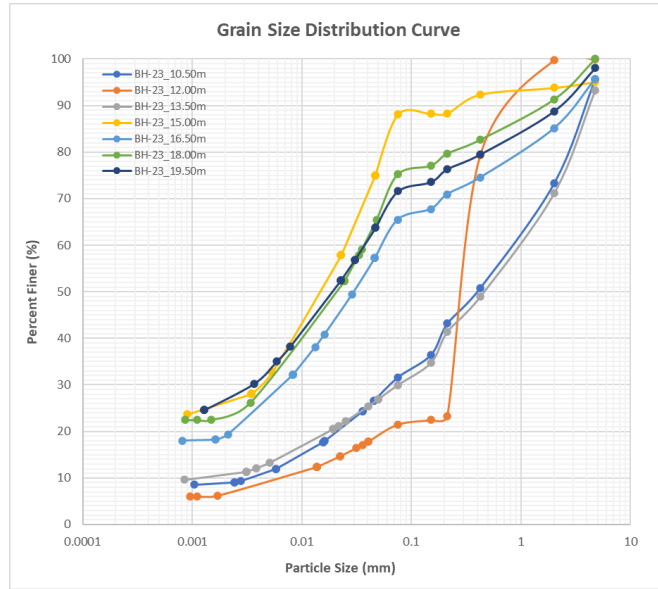
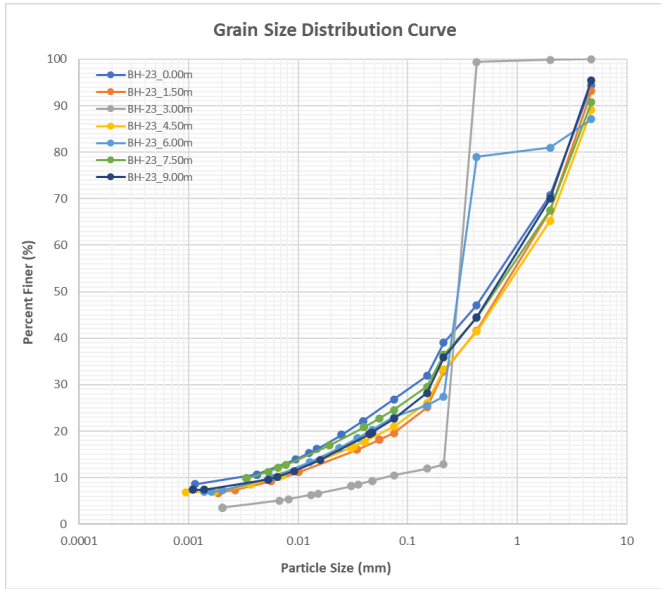


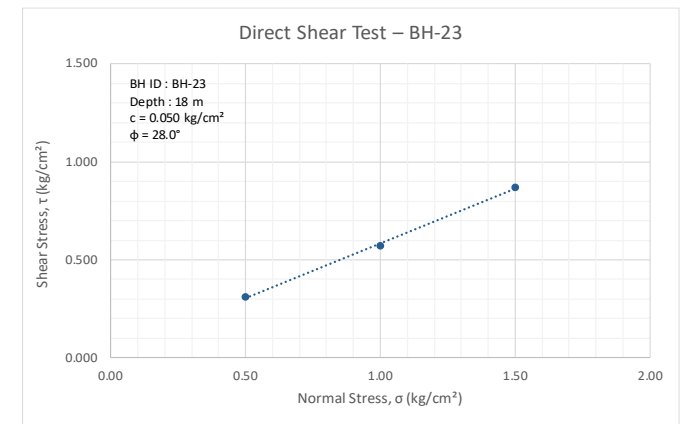
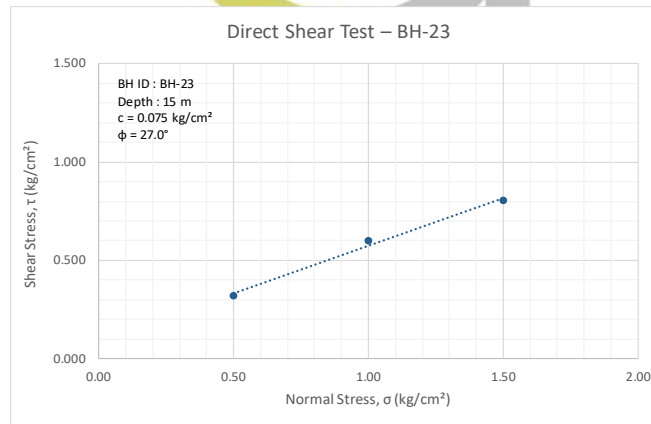
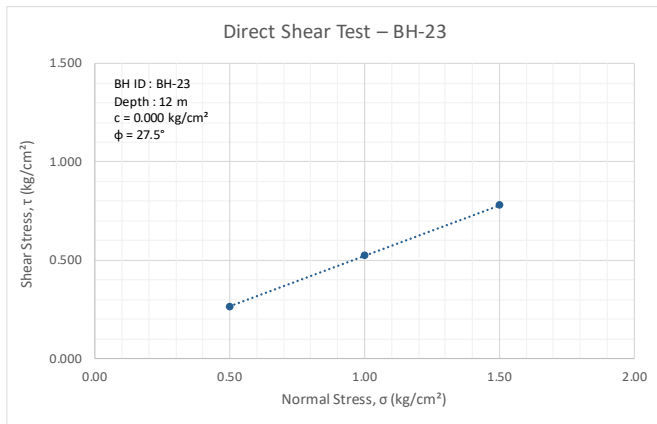
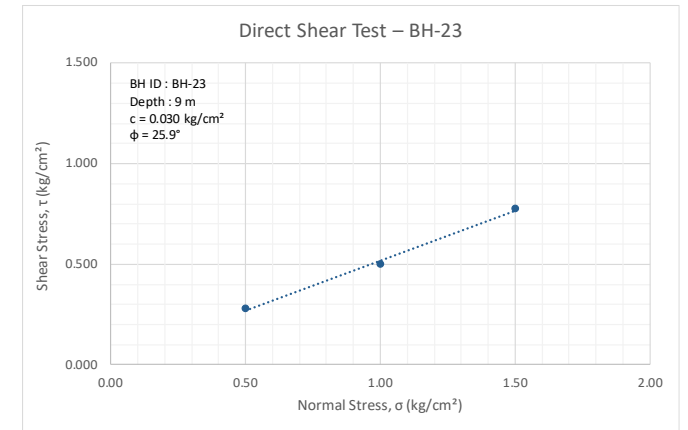
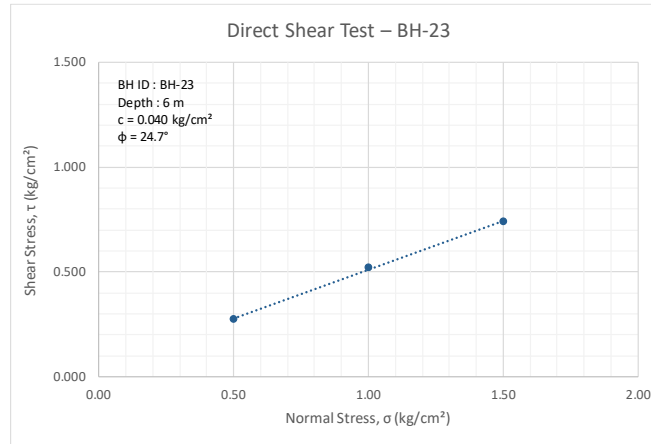
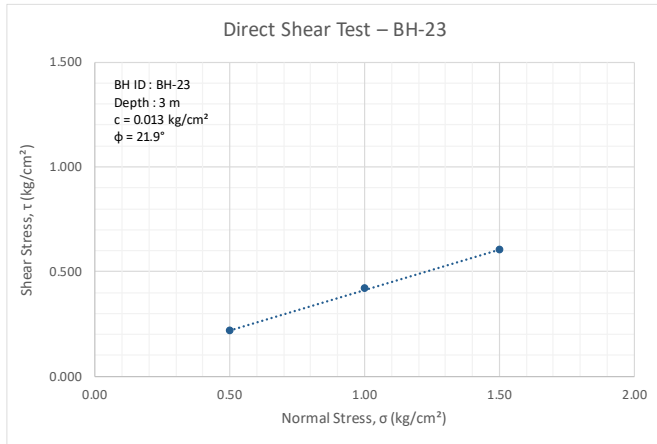


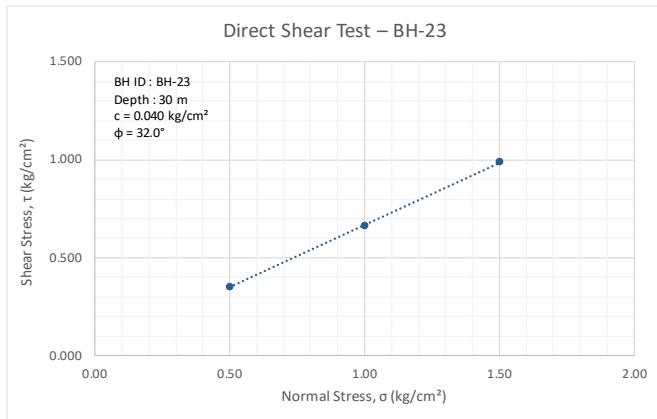
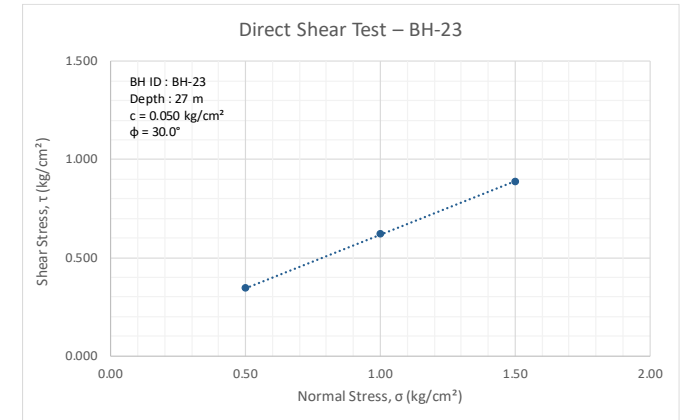
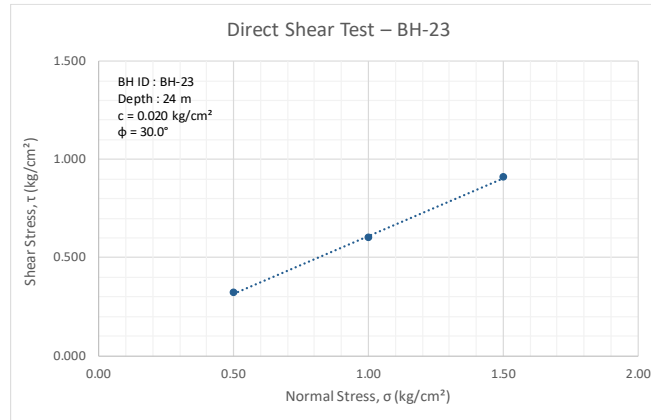
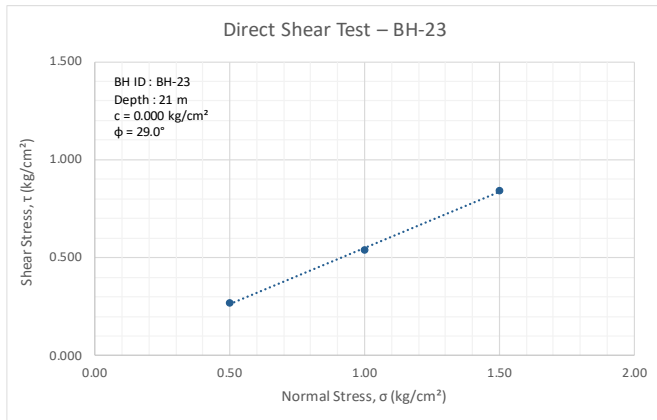


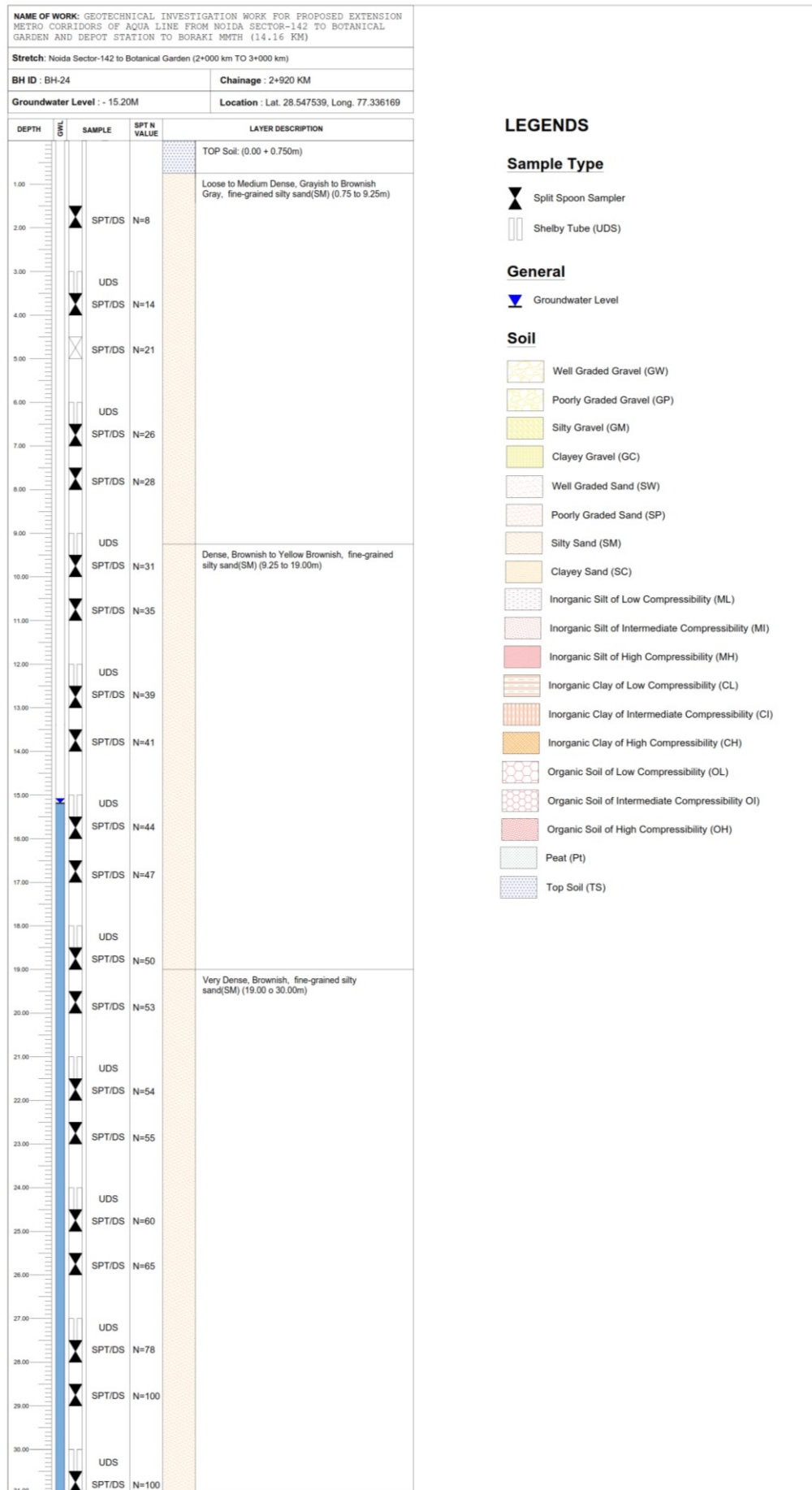












**LEGENDS**

**Sample Type**

- Split Spoon Sampler
- Shelby Tube (UDS)

**General**

- Groundwater Level

**Soil**

- Well Graded Gravel (GW)
- Poorly Graded Gravel (GP)
- Silty Gravel (GM)
- Clayey Gravel (GC)
- Well Graded Sand (SW)
- Poorly Graded Sand (SP)
- Silty Sand (SM)
- Clayey Sand (SC)
- Inorganic Silt of Low Compressibility (ML)
- Inorganic Silt of Intermediate Compressibility (MI)
- Inorganic Silt of High Compressibility (MH)
- Inorganic Clay of Low Compressibility (CL)
- Inorganic Clay of Intermediate Compressibility (CI)
- Inorganic Clay of High Compressibility (CH)
- Organic Soil of Low Compressibility (OL)
- Organic Soil of Intermediate Compressibility (OI)
- Organic Soil of High Compressibility (OH)
- Peat (Pt)
- Top Soil (TS)

