

TEST BORING LOG STA. 4+248.45, 8.68m (R)

ACT PROJECT NO. 9406.13 BORING NO. B-7 SHEET 1 OF 1
 CLIENT: STEPHEN HOVANSEK & ASSOCIATES, INC. DATE DRILLED: 06-30-94
 PROJECT: VINE STREET RECONSTRUCTION FROM EAST 364TH TO SKIFF STREET, LAK-640-2.14, EASTLAKE S
 DRILLING METHOD: ROTARY DRIVE, HOLLOW STEM AUGERS SURFACE ELEVATION: 192.60m WILLUGHBY

Depth (M.)	SAMPLE			SAMPLE IDENTIFICATION	BLOW COUNT ON SS/150MM	PROPERTIES				
	No.	Type	SYMBOL			W (%)	LL/PI	γ_d (kg/cm ³)	q_u (kPa)	q_p (kPa)
0				51 mm Asphalt Pavement						
0				228 mm Concrete Slab						
1	1	SS	SS	Brown coarse and fine sand, little gravel, trace silt and clay. Fill. Loose. Moist. (A-3a) (Visual)	2-4-3	12.8				192
1.5	2	SS	SS	Brown sandy silt, some clay, trace gravel. Loose. Moist. (A-4a)	4-4-5	19.2	23/3			192
3.0	3	SS	SS	Brown and gray silt, some clay, trace fine sand, trace gravel. Loose to very loose. Wet. (A-4b)	2-4-5	25.7	28/1			135
3.0	4	SS	SS	Gray sandy silt, some clay, trace gravel and rock fragments. Dense. Moist. (A-4a) (Visual)	1-1-1	34.0				
4.5	5	SS	SS	Brown coarse and fine sand, some gravel, trace silt. Medium dense. Moist. (A-3a) (Visual)	6-9-12	8.0				
4.5	6	SS	SS	Gray sandy silt, some clay, trace gravel and rock fragments. Dense. Moist. (A-4a) (Visual)	13-17-22	10.8				432+
6.0	End of boring @ 6.0 m.									
7.5										
9.0										
10.5										

GROUNDWATER ENCOUNTERED AT: 2.0 m
 ON COMPLETION: 4.2 m
 AFTER: NONE
 REMARKS: NONE

AS - Auger Sample
 ST - Shelby Tube Sample
 SS - 50 MM O.D. Split Spoon Sample
 W - Moisture Content

LL/PI - Liquid Limit/Plasticity Index
 γ_d - Dry Density
 q_u - Unconfined Strength
 q_p - Pocket Penetrometer Reading

APPLIED CONSTRUCTION TECHNOLOGIES, INC.

TEST BORING LOG STA. 4+366.63, 3.46m (L)

ACT PROJECT NO. 9406.13 BORING NO. B-8 SHEET 1 OF 1
 CLIENT: STEPHEN HOVANSEK & ASSOCIATES, INC. DATE DRILLED: 07-11-94
 PROJECT: VINE STREET RECONSTRUCTION FROM EAST 364TH TO SKIFF STREET, LAK-640-2.14, EASTLAKE S
 DRILLING METHOD: ROTARY DRIVE, HOLLOW STEM AUGERS SURFACE ELEVATION: 192.01m WILLUGHBY

Depth (M.)	SAMPLE			SAMPLE IDENTIFICATION	BLOW COUNT ON SS/150MM	PROPERTIES				
	No.	Type	SYMBOL			W (%)	LL/PI	γ_d (kg/cm ³)	q_u (kPa)	q_p (kPa)
0				128 mm Asphalt Pavement						
0				203 mm Concrete Slab						
1	1	SS	SS	Brown fine sand. Medium dense. Moist. (A-3) (Visual)	3-6-8	12.5				
1.5	2	SS	SS	Brown and gray sandy silt, some clay, trace gravel. Medium dense. Moist. (A-4a) (Visual)	6-7-8	14.1				432+
3.0	3	SS	SS	Gray silt and clay, trace fine sand, trace gravel and rock fragments. Very stiff. Moist. (A-5a) (Visual)	5-12-12	10.3				432+
3.0	4	SS	SS	Gray silt and clay, trace fine sand, trace gravel and rock fragments. Very stiff. Moist. (A-5a) (Visual)	4-7-8	11.5				432+
4.5	5	SS	SS		6-9-9	11.9				432+
6.0	6	SS	SS		7-14-15	11.0				432+
6.0	End of boring @ 6.0 m.									
7.5										
9.0										
10.5										

GROUNDWATER ENCOUNTERED AT: NONE
 ON COMPLETION: NONE
 AFTER: NONE
 REMARKS: NONE

AS - Auger Sample
 ST - Shelby Tube Sample
 SS - 50 MM O.D. Split Spoon Sample
 W - Moisture Content

LL/PI - Liquid Limit/Plasticity Index
 γ_d - Dry Density
 q_u - Unconfined Strength
 q_p - Pocket Penetrometer Reading

APPLIED CONSTRUCTION TECHNOLOGIES, INC.

TEST BORING LOG STA. 4+478.10, 3.82m (R)

ACT PROJECT NO. 9406.13 BORING NO. B-9 SHEET 1 OF 1
 CLIENT: STEPHEN HOVANSEK & ASSOCIATES, INC. DATE DRILLED: 06-30-94
 PROJECT: VINE STREET RECONSTRUCTION FROM EAST 364TH TO SKIFF STREET, LAK-640-2.14, EASTLAKE S
 DRILLING METHOD: ROTARY DRIVE, HOLLOW STEM AUGERS SURFACE ELEVATION: 188.92m WILLUGHBY

Depth (M.)	SAMPLE			SAMPLE IDENTIFICATION	BLOW COUNT ON SS/150MM	PROPERTIES				
	No.	Type	SYMBOL			W (%)	LL/PI	γ_d (kg/cm ³)	q_u (kPa)	q_p (kPa)
0				51 mm Asphalt Pavement						
0				227 mm Concrete						
0.75	1	SS	SS	Brown and gray coarse and fine sand, some gravel, trace silt. Fill. Loose. Moist. (A-3a) (Visual)	3-9-14	14.8				432+
0.75	2	SS	SS	Gray sandy silt, some clay, with brick debris, trace gravel. Fill. Medium dense. Moist. (A-4a) (Visual)	7-6-8	12.1	23/8			432+
1.5	3	SS	SS	Gray sandy silt and clay, trace gravel fragments. Medium dense. Moist. (A-4a)	4-7-7	11.1				432+
2.25	4	SS	SS		4-9-12	11.5				432+
3.0	End of boring @ 3.5 m.									
3.75										
4.5										

GROUNDWATER ENCOUNTERED AT: 0.3 m
 ON COMPLETION: NONE
 AFTER: NONE
 REMARKS: NONE

AS - Auger Sample
 ST - Shelby Tube Sample
 SS - 50 MM O.D. Split Spoon Sample
 W - Moisture Content

LL/PI - Liquid Limit/Plasticity Index
 γ_d - Dry Density
 q_u - Unconfined Strength
 q_p - Pocket Penetrometer Reading

APPLIED CONSTRUCTION TECHNOLOGIES, INC.

TEST BORING LOG STA. 4+578.58, 2.91m (L)

ACT PROJECT NO. 9406.13 BORING NO. B-10 SHEET 1 OF 1
 CLIENT: STEPHEN HOVANSEK & ASSOCIATES, INC. DATE DRILLED: 07-11-94
 PROJECT: VINE STREET RECONSTRUCTION FROM EAST 364TH TO SKIFF STREET, LAK-640-2.14, EASTLAKE S
 DRILLING METHOD: ROTARY DRIVE, HOLLOW STEM AUGERS SURFACE ELEVATION: 187.67m WILLUGHBY

Depth (M.)	SAMPLE			SAMPLE IDENTIFICATION	BLOW COUNT ON SS/150MM	PROPERTIES				
	No.	Type	SYMBOL			W (%)	LL/PI	γ_d (kg/cm ³)	q_u (kPa)	q_p (kPa)
0				101 mm Asphalt Pavement						
0				254 mm Concrete						
0.75	1	SS	SS	Brown coarse and fine sand, medium dense. Moist. (A-3a) (Visual)	5-10-10	12.1				432+
0.75	2	SS	SS	Gray sandy silt, some clay, trace gravel and rock fragments. Medium dense to dense. Moist. (A-4a) (Visual)	11-9-9	11.8				432+
1.5	3	SS	SS		8-12-16					
2.25	4	SS	SS		12-24-25	8.6				
3.0	End of boring @ 2.8 m.									
3.75										
4.5										

GROUNDWATER ENCOUNTERED AT: NONE
 ON COMPLETION: NONE
 AFTER: NONE
 REMARKS: BULK COMPOSITE SAMPLE FOR CBR OBTAINED AT .5 m - 1.5 m.

AS - Auger Sample
 ST - Shelby Tube Sample
 SS - 50 MM O.D. Split Spoon Sample
 W - Moisture Content

LL/PI - Liquid Limit/Plasticity Index
 γ_d - Dry Density
 q_u - Unconfined Strength
 q_p - Pocket Penetrometer Reading

APPLIED CONSTRUCTION TECHNOLOGIES, INC.

TEST BORING LOG STA. 4+721.86, 3.03m (R)

ACT PROJECT NO. 9406.13 BORING NO. B-11 SHEET 1 OF 1
 CLIENT: STEPHEN HOVANSEK & ASSOCIATES, INC. DATE DRILLED: 05-30-94
 PROJECT: VINE STREET RECONSTRUCTION FROM EAST 364TH TO SKIFF STREET, LAK-640-2.14, EASTLAKE S
 DRILLING METHOD: ROTARY DRIVE, HOLLOW STEM AUGERS SURFACE ELEVATION: 191.16m WILLUGHBY

Depth (M.)	SAMPLE			SAMPLE IDENTIFICATION	BLOW COUNT ON SS/150MM	PROPERTIES				
	No.	Type	SYMBOL			W (%)	LL/PI	γ_d (kg/cm ³)	q_u (kPa)	q_p (kPa)
0				51 mm Asphalt Pavement						
0				216 mm Concrete						
0.75	1	SS	SS	Brown coarse and fine sand, some gravel. Fill. Loose. Moist. (A-3a) (Visual)		13.8				
0.75	2	SS	SS	Brown and gray coarse and fine sand, with some gravel, little clay, trace silt. Medium dense. Moist. (A-3a)	5-5-8	18.0	NP			432+
1.5	3	SS	SS	Gray sandy silt, some fine sand, trace gravel and rock fragments. Medium dense. Moist. (A-4a) (Visual)	5-7-8	11.4				432+
2.25	4	SS	SS		5-10-14	9.4				432+
3.0	5	SS	SS		5-8-10	11.8				432+
3.75	End of boring @ 3.6 m.									
4.5										

GROUNDWATER ENCOUNTERED AT: NONE
 ON COMPLETION: NONE
 AFTER: NONE
 REMARKS: NONE

AS - Auger Sample
 ST - Shelby Tube Sample
 SS - 50 MM O.D. Split Spoon Sample
 W - Moisture Content
 NP - Non Plastic

LL/PI - Liquid Limit/Plasticity Index
 γ_d - Dry Density
 q_u - Unconfined Strength
 q_p - Pocket Penetrometer Reading

APPLIED CONSTRUCTION TECHNOLOGIES, INC.

TEST BORING LOG STA. 4+799.37, 1.99m (L)

ACT PROJECT NO. 9406.13 BORING NO. B-12 SHEET 1 OF 1
 CLIENT: STEPHEN HOVANSEK & ASSOCIATES, INC. DATE DRILLED: 07-11-94
 PROJECT: VINE STREET RECONSTRUCTION FROM EAST 364TH TO SKIFF STREET, LAK-640-2.14, EASTLAKE S
 DRILLING METHOD: ROTARY DRIVE, HOLLOW STEM AUGERS SURFACE ELEVATION: 193.16m WILLUGHBY

Depth (M.)	SAMPLE			SAMPLE IDENTIFICATION	BLOW COUNT ON SS/150MM	PROPERTIES				
	No.	Type	SYMBOL			W (%)	LL/PI	γ_d (kg/cm ³)	q_u (kPa)	q_p (kPa)
0				101 mm Asphalt Pavement						
0				228 mm Concrete						
0.75	1	SS	SS	Brown coarse and fine sand, loose. Moist. (A-3a) (Visual)	4-4-6	20.7				336
1.5	2	SS	SS	Brown and gray silt and clay, some fine sand, trace gravel and rock fragments. Very stiff. Moist. (A-5a) (Visual)	5-6-10	18.7				432+
2.25	3	SS	SS		6-8-10	14.2				432+
3.0	End of boring @ 2.4 m.									
3.75										
4.5										

GROUNDWATER ENCOUNTERED AT: NONE
 ON COMPLETION: NONE
 AFTER: NONE
 REMARKS: NONE

AS - Auger Sample
 ST - Shelby Tube Sample
 SS - 50 MM O.D. Split Spoon Sample
 W - Moisture Content

LL/PI - Liquid Limit/Plasticity Index
 γ_d - Dry Density
 q_u - Unconfined Strength
 q_p - Pocket Penetrometer Reading

APPLIED CONSTRUCTION TECHNOLOGIES, INC.