APPENDIX B

HISTORIC BORING LOGS

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Log of Boring: **FD-10**

Project: Ansonia/Derby Housatonic Levee	Project Number: 04019-0001	Elevation (ft): 8.5	Datum: Site Datum
Location: Ansonia, Connecticut	Logged By:	Date Started:	Date Completed:
Drilling Contractor: ACE		Drilling Foreman:	Completion Depth (ft): 28.6
Sampler:		Casing Diameter (in):	Casing Depth (ft):
Drilling Equipment:		Sampler Hammer:	Weight (lbs): 140 / Drop (in): 30
Drilling Rig:	Drilling Mud:	Water Level (ft)	First: ▽ / Completion: ▼ / 24 HR: ▼

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50	Remarks
	F		Br. f-c sand, some f-c gravel, some silt mixed with variable amounts of cobbles, ash, cinders & brick frags (FILL)	0–5				20		
	F		Br. f-c sand, some f-c gravel, little silt mixed with variable amounts of brick frags (FILL)	5–10				13		
	F		Br. f-c sand, little f-c gravel, tr. silt, occ. organic matter (FILL)	10–14				14		
-5.8	O		Gray f sand, and organic silt (SM)	14–15						1/2" thick organic silt layer at ±15'
	O		Br. & blk organic silt (OL)	15–16						
-8.2	G		Br. f-c gravel, and f-c sand, tr. silt, occ. cobbles (GP)	16–20				9		
-12.0	S		Br. f-c sand, little f-c gravel, tr. silt, frequent cobbles (SP-SM)	20–24				31		
-16.0	GT		Gray f-c sand, some silt, little f-c gravel (SM)(TILL)	24–28				41		frags of wt'd rock noted within till
-20.1			End Boring at 28.6'	28–30						refusal

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Log of Boring: **FD-11**

Project: Ansonia/Derby_Housatonic_Levee	Project Number: 04019-0001	Elevation (ft): 8.0	Datum: Site Datum
Location: Ansonia, Connecticut	Logged By:	Date Started:	Date Completed:
Drilling Contractor: ACE		Drilling Foreman:	Completion Depth (ft): 30.0
Sampler:		Casing Diameter (in):	Casing Depth (ft):
Drilling Equipment:		Sampler Hammer:	Weight (lbs): 140 / Drop (in): 30
Drilling Rig:	Drilling Mud:	Water Level (ft)	First: ▽ / Completion: ▼ / 24 HR: ▼

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50	Remarks
	F		Br. m-f snd, some silt, mixed with variable amounts of cinders, ash & organic matter	0–2				11		
	F		Br. c-f sand, some silt, little f-c gravel, occ. cobbles (FILL)	2–8				8		
-2.0	F		Gray br. silt, some f sand, occ. organic matter (FILL)	8–10						
	O		Dk. br. organic silt, some f sand (OL)	10–15				8		
	O		Br. bec. blk. organic silt (OL)	15–19				6		
-11.5										
-12.5	COB		Cobbles	19–21						
	S		Br. f-c sand, some f-c gravel, tr. silt, frequent cobbles (SP-SM)	21–25				34		
	S			25–30				32		
-22.0			End Boring at 30.0'							

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Log of Boring: **FD-3**

Project: Ansonia/Derby_Housatonic_Levee	Project Number: 04019-0001	Elevation (ft): 17.0	Datum: Site Datum
Location: Ansonia, Connecticut	Logged By:	Date Started:	Date Completed:
Drilling Contractor: ACE		Drilling Foreman:	Completion Depth (ft): 42.0
Sampler:		Casing Diameter (in):	Casing Depth (ft):
Drilling Equipment:		Sampler Hammer:	Weight (lbs): 140 / Drop (in): 30
Drilling Rig:	Drilling Mud:	Water Level (ft)	First: ▽ / Completion: ▼ / 24 HR: ▼

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50	Remarks
			Dk. gray f-c sand, cinders, ash, glass & organic matter (FILL)	0–2						
			Yellowish ash (FILL)	2–5						
			Blk. glass, tile, cinders, mortar, ash & brick (FILL)	5–10						
			Dk. br. cinders, slag, ash, tile, wire, burlap & gravel (FILL)	10–15						
	F		Dk. br. cinders, wood, tile, ash, sand, gravel & silt (FILL)	15–18						
			Blk. becoming br. f-c gravel, some f-c sand, trace silt (FILL)	18–20						
			Br. f-c gravel, some/and f-c sand, trace silt, frequent cobbles, occasional metal frags (FILL)	20–30						
-13.0										

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Log of Boring: **FD-3**

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50	Remarks
	G		Br. f-c gravel, some f-c sand, little silt, frequent cobbles (GM)	30–35						
-18.0										
	S		Br. f-c sand, tr. f-c gravel, tr. silt (SP-SM)	35–42						
-25.0			End Boring at 42.0'	42–68						

Boring Number: **FD-3**

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Log of Boring: **FD-4**

Project: Ansonia/Derby_Housatonic_Levee	Project Number: 04019-0001	Elevation (ft): 15.0	Datum: Site Datum
Location: Ansonia, Connecticut	Logged By:	Date Started:	Date Completed:
Drilling Contractor: ACE		Drilling Foreman:	Completion Depth (ft): 35.0
Sampler:		Casing Diameter (in):	Casing Depth (ft):
Drilling Equipment:		Sampler Hammer:	Weight (lbs): 140 / Drop (in): 30
Drilling Rig:	Drilling Mud:	Water Level (ft)	First: ▽ / Completion: ▼ / 24 HR: ▼

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale
	F		Blk. ash, coal dust & f-m sand (FILL)	0
			Ash & cinders (FILL)	1
11.5				2
	S		Br. f-c sand, little f-c gravel, little silt with variable amounts of cobbles (SM)	3
6.5				4
	S/G		Br. f-c sand & f-c gravel, tr. silt with variable amounts of cobbles (SP)/(GP)	5
-2.5				6
	G		Br. f-c gravel, some f-c sand, tr. silt with variable amounts of cobbles (GP-GM)	7
-5.0				8
	S		Br. c-f sand, and f-c gravel, tr. silt with variable amounts of cobbles (SP)	9
-7.0				10
	G		Br. f-c gravel, some f-c sand, tr. silt, frequent becoming numerous cobbles (GP-GM)	11
				12
				13
				14
				15
				16
				17
				18
				19
				20
				21
				22
				23
				24
				25
				26
				27
				28
				29
				30

Sample Data					Remarks
Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50	

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Log of Boring: **FD-4**

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50	Remarks
	G		Br. f-c gravel, and f-c sand, tr. silt, occ. cobbles (GP-GM)	30 31 32						
-17.5										
	S		Br. f-c sand, little f-c gravel, little silt, occ. cobbles (SM)	33 34						
-20.0			End Boring at 35.0'	35						
				36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68						

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Log of Boring: **FD-42**

Project: Ansonia/Derby_Housatonic_Levee	Project Number: 04019-0001	Elevation (ft): 12.0	Datum: Site Datum
Location: Ansonia, Connecticut	Logged By:	Date Started:	Date Completed:
Drilling Contractor: ACE		Drilling Foreman:	Completion Depth (ft): 25.0
Sampler:		Casing Diameter (in):	Casing Depth (ft):
Drilling Equipment:		Sampler Hammer:	Weight (lbs): 140 / Drop (in): 30
Drilling Rig:	Drilling Mud:	Water Level (ft)	First: ▽ / Completion: ▼ / 24 HR: ▼

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50	Remarks
			Br. f sand, little silt, occ. cinders, ash, brick, fiberboard & roots (FILL)	0–5						
	F		Gray br. cinders, ash, glass & metal (FILL)	5–10						
			Br. f-c sand, some silt, little f-c gravel, num. cinders, brick, glass & ash (FILL)	10–13						
-1.0										
	S		Gray br. f-c sand, some f-c gravel, tr. silt (SP-SM)	13–25						
-13.0			End Boring at 25.0'	25–30						

Boring Number: **FD-42**

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Log of Boring: **FD-43**

Project: Ansonia/Derby_Housatonic_Levee	Project Number: 04019-0001	Elevation (ft): 14.0	Datum: Site Datum
Location: Ansonia, Connecticut	Logged By:	Date Started:	Date Completed:
Drilling Contractor: ACE		Drilling Foreman:	Completion Depth (ft): 25.0
Sampler:		Casing Diameter (in):	Casing Depth (ft):
Drilling Equipment:		Sampler Hammer:	Weight (lbs): 140 / Drop (in): 30
Drilling Rig:	Drilling Mud:	Water Level (ft)	First: ▽ / Completion: ▼ / 24 HR: ▼

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50	Remarks
			Lt. br. f-c sand, little f-c gravel, tr. silt, occ. cinders & ash (FILL)	0–5						
			Gray br. & dk. gray f-c sand, little f-c gravel, little/some silt, occ. cinders & concrete frags (FILL)	5–10						
	F		Interlayered lt. br. f-c sand, little silt; dk gray silt, and f sand; dk. gray organic silt, some f sand, occ. organic matter, ash & cinders (FILL)	10–15						
			Gray br. becoming br. f-c gravel, some f-c sand, tr. silt, occ. brick frags (FILL)	15–25						
-11.0			End Boring at 25.0'	25						

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Log of Boring: **FD-44**

Project: Ansonia/Derby_ Housatonic_Levee	Project Number: 04019-0001	Elevation (ft): 12.0	Datum: Site Datum
Location: Ansonia, Connecticut	Logged By:	Date Started:	Date Completed:
Drilling Contractor: ACE		Drilling Foreman:	Completion Depth (ft): 25.0
Sampler:		Casing Diameter (in):	Casing Depth (ft):
Drilling Equipment:		Sampler Hammer:	Weight (lbs): 140 / Drop (in): 30
Drilling Rig:	Drilling Mud:	Water Level (ft)	First: ▽ / Completion: ▼ / 24 HR: ▼

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50	Remarks
	F		Blk. & br. f-c gravel & f-c sand, some silt mixed with variable amounts of coal, cinders, ash & wood (FILL)	0–13						10'-13': numerous wood
-1.0	G		Br. f-c gravel, some f-c sand, little silt (GM)	13–15						
-3.0	S		Br. f-c sand, some f-c gravel, tr. silt (SP)	15–23						
-11.0	G		Br. f-c gravel, some f-c sand, tr. silt (GP)	23–25						
-13.0			End Boring at 25.0'	25–30						

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Log of Boring: **FD-46**

Project: Ansonia/Derby_ Housatonic_Levee	Project Number: 04019-0001	Elevation (ft): 3.0	Datum: Site Datum
Location: Ansonia, Connecticut	Logged By:	Date Started:	Date Completed:
Drilling Contractor: ACE		Drilling Foreman:	Completion Depth (ft): 30.0
Sampler:		Casing Diameter (in):	Casing Depth (ft):
Drilling Equipment:		Sampler Hammer:	Weight (lbs): 140 / Drop (in): 30
Drilling Rig:	Drilling Mud:	Water Level (ft)	First: ▽ / Completion: ▼ / 24 HR: ▼

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50	Remarks
2.3	O		Blk. organic silt, some f-c sand (OL)	0						
	G		Br. f-c gravel, and f-c sand, tr. silt (GP)	1–5						
-2.0	S		Gray br. f-c sand, tr. silt (SP-SM)	5–7						5'-10.2': occ. 1/2" dia. pockets of dk. gray f sand, some silt (SM)
			Gray br. f-c sand, little f-c gravel, tr. silt (SP-SM)	7–10						
			Br. f-c sand, and f-c gravel, tr. silt (SP-SM)	10–11						
-8.5	G		Br. f-c gravel, and f-c sand, tr. silt (GP-GM)	11–15						
-12.0	S		Lt. br. f-c sand, some f-c gravel, little silt (SM)	15–16						
-13.5	G		Gray f-c gravel, and f-c sand, tr. silt (GP-GM)	16–20						
-17.0			Gray br. f-c sand, some f-c gravel, little silt (SM)	20–21						20'-21.5': occ. 1/2" dia. pockets of f sand, little silt (SM)
	S		Lt. br. m-f sand, tr. silt (SP-SM)	21–30						21.5'-30': occ. 1/2" dia. pockets of f sand, and silt (SM)
-27.0			End Boring at 30.0'							

Boring Number: **FD-46**

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Log of Boring: **FD-47**

Project: Ansonia/Derby Housatonic Levee	Project Number: 04019-0001	Elevation (ft): 0.0	Datum: Site Datum
Location: Ansonia, Connecticut	Logged By:	Date Started:	Date Completed:
Drilling Contractor: ACE		Drilling Foreman:	Completion Depth (ft): 30.0
Sampler:		Casing Diameter (in):	Casing Depth (ft):
Drilling Equipment:		Sampler Hammer:	Weight (lbs): 140 / Drop (in): 30
Drilling Rig:	Drilling Mud:	Water Level (ft)	First: ▽ / Completion: ▼ / 24 HR: ▼

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50	Remarks
	Conc/F		Bituminous concrete Br. f-c sand, some f-c gravel, tr. silt, frequent cobbles (FILL)	0–1				64		
-2.5			Concrete	2–4				41		
	F		Br. f-c gravel, some f-c sand, tr. silt mixed with variable amounts of brick & concrete frags (FILL)	5–10				19		
				10–15				24		
			Gr. f-c gravel, little f-c sand, little silt mixed with variable amounts of brick & cobbles (FILL)	15–18				31		
-18.5	S		Gr. f-c sand, some f-c gravel, some silt, frequent cobbles (SM)	19–20						
-20.5	G		Br. f-c gravel, and f-c sand, tr. silt, frequent cobbles (GP)	20–25				64		
-25.0	S		Br. f sand, some silt (SM)	25–30				60		highly micaceous 25'-30'
-30.0			End Boring at 30.0'							

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Log of Boring: **FD-48**

Project: Ansonia/Derby_ Housatonic_Levee	Project Number: 04019-0001	Elevation (ft): 6.0	Datum: Site Datum
Location: Ansonia, Connecticut	Logged By:	Date Started:	Date Completed:
Drilling Contractor: ACE		Drilling Foreman:	Completion Depth (ft): 30.0
Sampler:		Casing Diameter (in):	Casing Depth (ft):
Drilling Equipment:		Sampler Hammer:	Weight (lbs): 140 / Drop (in): 30
Drilling Rig:	Drilling Mud:	Water Level (ft)	First: ▽ / Completion: ▼ / 24 HR: ▼

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50	Remarks
	F		Br. m-f sand, tr. silt mixed with variable amounts of coal, wood & metal (FILL)	0–3				11		
3.0	G		Br. f-c gravel, some f-c sand, tr. silt, frequent/num. cobbles (GP-GM)	3–8				139		
-2.0	S		Br. m-f sand, little silt (SM)	8–15				19		highly micaceous 8'-15'
-9.0	M		Br. silt, some f sand (ML)	15–19				21		
-12.5	S		Br. m-f sand, tr. silt (SP-SM)	19–25				38		micaceous 15'-30'
-24.0			End Boring at 30.0'	25–30				67		

Boring Number: **FD-48**

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Log of Boring: **FD-49**

Project: Ansonia/Derby Housatonic Levee	Project Number: 04019-0001	Elevation (ft): -2.0	Datum: Site Datum
Location: Ansonia, Connecticut	Logged By:	Date Started:	Date Completed:
Drilling Contractor: ACE		Drilling Foreman:	Completion Depth (ft): 20.0
Sampler:		Casing Diameter (in):	Casing Depth (ft):
Drilling Equipment:		Sampler Hammer:	Weight (lbs): 140 / Drop (in): 30
Drilling Rig:	Drilling Mud:	Water Level (ft)	First: ▽ / Completion: ▼ / 24 HR: ▼

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50	Remarks
	F		Br./dk. br.f-c gravel, some f-c sand. tr.silt.occ ash, glass & pottery frags (FILL)	0–5						
-7.0										
	F/G		Br. f-c gravel, and f-c sand, tr. silt (GP-GM)/(FILL)	5–10						5'-10': occassional 1/2" dia. pockets of dk. gray f sand, some silt
-12.0										
	G		Lt. br.f-c gravel, and f-c sand, tr. silt (GP-GM)	10–15						
-17.0										
	S		Lt. br.f-c sand, some silt, little f-c gravel (SM)	15–20						
-22.0			End Boring at 20.0'	20–30						

Boring Number: **FD-49**

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Log of Boring: **FD-5**

Project: Ansonia/Derby_Housatonic_Levee	Project Number: 04019-0001	Elevation (ft): 15.0	Datum: Site Datum
Location: Ansonia, Connecticut	Logged By:	Date Started:	Date Completed:
Drilling Contractor: ACE		Drilling Foreman:	Completion Depth (ft): 35.0
Sampler:		Casing Diameter (in):	Casing Depth (ft):
Drilling Equipment:		Sampler Hammer:	Weight (lbs): 140 / Drop (in): 30
Drilling Rig:	Drilling Mud:	Water Level (ft)	First: ▽ / Completion: ▼ / 24 HR: ▼

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50	Remarks
	F		Br. f-c gravel, little f-c sand, little silt, numerous asphalt, brick, cinder & concrete frags (FILL)	0–5						0'-5' approximately 70% soil components
	F		Gray concrete, coal, ash, brick, asphalt and metal mixed with variable amounts of sand (FILL)	5–17						
-2.0	S		Gray becoming gray br. f-c sand, some f-c gravel, tr. silt (SP-SM)	17–20						
-5.0	G		Gray br. f-c gravel, some f-c sand, tr. silt, occ. cobbles (GP)	20–28						
-14.0	COB		Cobbles	28–30						Cobbles 29'-30.5'

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Log of Boring: **FD-5**

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50	Remarks
-15.5				30						
	G		Gray br. f-c gravel, some f-c sand, tr. silt, occ. cobbles (GP)	31						
-17.8				32						
	S		Br. m-f sand, tr. silt (SP)	33						
-20.0				34						
			End Boring at 35.0'	35						
				36						
				37						
				38						
				39						
				40						
				41						
				42						
				43						
				44						
				45						
				46						
				47						
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				61						
				62						
				63						
				64						
				65						
				66						
				67						
				68						

Boring Number: **FD-5**

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Log of Boring: **FD-50**

Project: Ansonia/Derby Housatonic Levee	Project Number: 04019-0001	Elevation (ft): 6.0	Datum: Site Datum
Location: Ansonia, Connecticut	Logged By:	Date Started:	Date Completed:
Drilling Contractor: ACE		Drilling Foreman:	Completion Depth (ft): 30.0
Sampler:		Casing Diameter (in):	Casing Depth (ft):
Drilling Equipment:		Sampler Hammer:	Weight (lbs): 140 / Drop (in): 30
Drilling Rig:	Drilling Mud:	Water Level (ft)	First: ▽ / Completion: ▼ / 24 HR: ▼

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50	Remarks
5.5	conc		Bituminous Concrete	0						
	F		Br. f-c sand, little silt mixed with variable amounts of coal, cinders & cobbles (FILL)	5				15		
	F		Br. f-c sand, some f-c gravel, some silt mixed with variable amounts of cinders & coal (FILL)	10				8		
	F			15				8		
	F		Br. f-c gravel, some f-c sand, little silt mixed with variable amounts of cinders & brick frags (FILL)	20				15		
-14.5	G		Br. f-c gravel, and f-c sand, tr. silt, num. cobbles (GP-GM)	25				94		
-19.0	S		Br. m-f sand, tr. silt (SP-SM)	30				27		micaceous 25'-30'
-24.0			End Boring at 30.0'							

Boring Number: **FD-50**

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Log of Boring: **FD-51**

Project: Ansonia/Derby Housatonic Levee	Project Number: 04019-0001	Elevation (ft): -3.0	Datum: Site Datum
Location: Ansonia, Connecticut	Logged By:	Date Started:	Date Completed:
Drilling Contractor: ACE		Drilling Foreman:	Completion Depth (ft): 20.0
Sampler:		Casing Diameter (in):	Casing Depth (ft):
Drilling Equipment:		Sampler Hammer:	Weight (lbs): 140 / Drop (in): 30
Drilling Rig:	Drilling Mud:	Water Level (ft)	First: ▽ / Completion: ▼ / 24 HR: ▼

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50	Remarks
	F		Dk. gray & blk, f-c gravel, some m-f sand, little silt, occ. organics, glass, brick & pottery frags (FILL)	0–1						
-4.5										
			Br. f-c sand, and f-c gravel, little silt (SM) & Br. f-c gravel, some f-c sand, tr. silt (GP-GM)	1–5						1.5'-5.0':occ pocket of silt & sand
	S/G		Br. f-c gravel & f-c sand, tr. silt (GP-GM)/SP-SM)	5–10						
-13.0										
	S		Lt. br. f-c sand, little f-c gravel, little silt (SM)	10–20						10'-20': occ. pockets of silt & f sand
-23.0			End Boring at 20.0'	20						

Boring Number: **FD-51**

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Log of Boring: **FD-52**

Project: Ansonia/Derby_Housatonic_Levee	Project Number: 04019-0001	Elevation (ft): 6.0	Datum: Site Datum
Location: Ansonia, Connecticut	Logged By:	Date Started:	Date Completed:
Drilling Contractor: ACE		Drilling Foreman:	Completion Depth (ft): 30.0
Sampler:		Casing Diameter (in):	Casing Depth (ft):
Drilling Equipment:		Sampler Hammer:	Weight (lbs): 140 / Drop (in): 30
Drilling Rig:	Drilling Mud:	Water Level (ft)	First: ▽ / Completion: ▼ / 24 HR: ▼

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50	Remarks
			Bituminous concrete	0						
	F		Br. f-c sand, some f-c gravel, little silt mixed with variable amounts of cinders, wood & brick frags (FILL)	1–9				33		
	F		Br. f-c gravel, and f-c sand, little silt mixed with variable amounts of cinders & wood (FILL)	10–15				17		
-10.0										
-10.5	cbl		cobbles	16						
	G/S		Br. f-c gravel & f-c sand, tr. silt, frequent cobbles (GP)/(SP)	17–24				38 / 57		
-19.5				25						
	S		Br. f-c sand, little f-c gravel, tr. silt (SP-SM)	26–27				40		
	S		Br. m-f sand, tr. silt (SP)	28–29						
-24.0				30						

End Boring at 30.0'

Boring Number: **FD-52**

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Log of Boring: **FD-54**

Project: Ansonia/Derby Housatonic Levee	Project Number: 04019-0001	Elevation (ft): 0.0	Datum: Site Datum
Location: Ansonia, Connecticut	Logged By:	Date Started:	Date Completed:
Drilling Contractor: ACE		Drilling Foreman:	Completion Depth (ft): 25.0
Sampler:		Casing Diameter (in):	Casing Depth (ft):
Drilling Equipment:		Sampler Hammer:	Weight (lbs): 140 / Drop (in): 30
Drilling Rig:	Drilling Mud:	Water Level (ft)	First: ▽ / Completion: ▼ / 24 HR: ▼

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale
	F		Dk. gray f-c sand, little silt (FILL)	0
			Dk. gray f-c sand, some f-c gravel, tr. silt (FILL)	2
			Dk. gray f-c gravel, some f-c sand, tr. silt (FILL)	4
			Br. f-c gravel, some f-c sand, tr. silt (FILL)	8
-10.0	G		Lt. br. f-c gravel, and f-c sand, tr. silt (GP-GM)	10
-15.0	S		Lt. br. f-c sand, little f-c gravel, tr. silt (SW-SM)	15
			Gray br. & lt. br. f-c sand, some f-c gravel, some silt (SM)	20
-25.0			End Boring at 25.0'	25

Sample Data: Number | Type | Recov. (in) | Penetr. Resist BL/6in | N-Value (Blows/foot) 0 10 20 30 40 50

Remarks:
- 4' piece of wood at 8.6'
- occ. 1/4" dia. pockets of gray silt & f sand

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Log of Boring: **FD-55**

Project: Ansonia/Derby Housatonic Levee	Project Number: 04019-0001	Elevation (ft): -3.0	Datum: Site Datum
Location: Ansonia, Connecticut	Logged By:	Date Started:	Date Completed:
Drilling Contractor: ACE		Drilling Foreman:	Completion Depth (ft): 25.0
Sampler:		Casing Diameter (in):	Casing Depth (ft):
Drilling Equipment:		Sampler Hammer:	Weight (lbs): 140 / Drop (in): 30
Drilling Rig:	Drilling Mud:	Water Level (ft)	First: ▽ / Completion: ▼ / 24 HR: ▼

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50	Remarks
	G		Gray br. f-c gravel, and f-c sand tr. silt (GP)	0 1 2						
-5.5	S		Gray br. f-c sand, and f-c gravel tr. silt (GP)	3 4						
-8.0	G		Br. f-c gravel, and f-c sand, tr. silt (GW-GP)	5 6 7 8 9 10						
			Br. f-c gravel, some f-c sand, tr. silt (GP)	11 12 13 14						
-18.0	S		Br. f-c sand, tr. f-c gravel, tr. silt (SW)	15 16 17 18 19 20						
			Br. f-c sand, little f-c gravel. tr. silt (SP-SM)	21						
			Gray br. m-f sand, tr. silt (SP-SM)	22 23 24						
-28.0			End Boring at 25.0'	25 26 27 28 29 30						

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Log of Boring: **FD-57**

Project: Ansonia/Derby_Housatonic_Levee	Project Number: 04019-0001	Elevation (ft): -5.0	Datum: Site Datum
Location: Ansonia, Connecticut	Logged By:	Date Started:	Date Completed:
Drilling Contractor: ACE		Drilling Foreman:	Completion Depth (ft): 25.0
Sampler:		Casing Diameter (in):	Casing Depth (ft):
Drilling Equipment:		Sampler Hammer:	Weight (lbs): 140 / Drop (in): 30
Drilling Rig:	Drilling Mud:	Water Level (ft)	First: ▽ / Completion: ▼ / 24 HR: ▼

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50	Remarks
-6.0	F		Gray br. f-c gravel, some f-c snd, tr. silt, occ. coal dust (FILL)	0–1						
	G		Gray f-c gravel, some f-c sand, tr. silt (GP)	1–5						
-10.0	S		Gray f-c sand, some f-c gravel, tr. silt (SP-SM)	5–10						
-15.0	G		Br. f-c gravel, and f-c sand, tr. silt (GP)	10–14						
-19.0	S		Gray br. f-c sand, little f-c gravel, tr. silt (SP-SM)	14–15						
			Gray br. grading to lt. br. f-c sand, little f-c gravel, tr. silt (SP)	15–20						
-25.5	G		Gray f-c gravel, and f-c sand, tr. silt (GP-GM)	20–25						
-30.0			End Boring at 25.0'	25–30						

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Log of Boring: **FD-59**

Project: Ansonia/Derby_Housatonic_Levee	Project Number: 04019-0001	Elevation (ft): 14.0	Datum: Site Datum
Location: Ansonia, Connecticut	Logged By:	Date Started:	Date Completed:
Drilling Contractor: ACE		Drilling Foreman:	Completion Depth (ft): 25.0
Sampler:		Casing Diameter (in):	Casing Depth (ft):
Drilling Equipment:		Sampler Hammer:	Weight (lbs): 140 / Drop (in): 30
Drilling Rig:	Drilling Mud:	Water Level (ft)	First: ▽ / Completion: ▼ / 24 HR: ▼

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50	Remarks
	F		Br. f-c gravel, some m-f sand, tr. silt. occ. asphalt, ash & cinders (FILL)	0–2						
			Lt. br. becoming lt. gray br. m-f sand. tr. silt, occ. f gravel (FILL)	2–7.5						2'-7.5': occ. 1/2" dia. pockets of silt, and f sand
			Gray & white ash (FILL)	7.5–10						
			Dk. gray silt, some f sand, occ. f gravel, occ. roots & metal frags (FILL)	10–13						
1.0				13						
	G		Gray br. f-c gravel, some f-c sand, tr. silt (GP)	13–25						
-11.0			End Boring at 25.0'	25–30						

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Log of Boring: **FD-6**

Project: Ansonia/Derby Housatonic Levee	Project Number: 04019-0001	Elevation (ft): 16.0	Datum: Site Datum
Location: Ansonia, Connecticut	Logged By:	Date Started:	Date Completed:
Drilling Contractor: ACE		Drilling Foreman:	Completion Depth (ft): 35.0
Sampler:		Casing Diameter (in):	Casing Depth (ft):
Drilling Equipment:		Sampler Hammer:	Weight (lbs): 140 / Drop (in): 30
Drilling Rig:	Drilling Mud:	Water Level (ft)	First: ▽ / Completion: ▼ / 24 HR: ▼

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50	Remarks
	F		Blk. cinders, coal, ash, asphalt, glass, metal, brick mixed with variable amounts of sand (FILL)	0–16						0'-5': "clinkers" observed 5'-16': occassional clumps of buried topsoil
-2.0										
	S		Gray br. f-c sand, little f-c gravel, tr. silt (SP-SM)	18–20						
-4.0										
	G		Gray becoming red br. f-c gravel, and f-c sand, tr. silt (GP-GM)	20–27						
-12.0			~~Boulder~~	28						
-13.2	BLD									
	G		Br. f-c gravel, and f-c sand, little silt (GM)	29–30						

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Log of Boring: **FD-6**

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50	Remarks
-14.5				30						
	GT		Gray br. f-c sand, some f-c gravel, little silt (SM)(TIIL)	31–34						
-19.0			End Boring at 35.0'	35						
				36–68						

Boring Number: **FD-6**

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Log of Boring: **FD-61**

Project: Ansonia/Derby_ Housatonic_Levee	Project Number: 04019-0001	Elevation (ft): 15.0	Datum: Site Datum
Location: Ansonia, Connecticut	Logged By:	Date Started:	Date Completed:
Drilling Contractor: ACE		Drilling Foreman:	Completion Depth (ft): 25.0
Sampler:		Casing Diameter (in):	Casing Depth (ft):
Drilling Equipment:		Sampler Hammer:	Weight (lbs): 140 / Drop (in): 30
Drilling Rig:	Drilling Mud:	Water Level (ft)	First: ▽ / Completion: ▼ / 24 HR: ▼

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50	Remarks
			Blk & br. f-c snd and f-c gravel w/variable amounts of cinders, ash & coal (FILL)	0–5						
	F		Cinders & ash (FILL)	5–10						
			Cinders, ash, brick & glass mixed w/ variable amounts of sand (FILL)	10–15						
0.0	F/O		Dk. gray organic silt, litte f sand, occ. roots & brick frags (FILL)	15–17						15'-17': occ. f sand seams
-2.0	S/G		Gray br. becoming br f-c sand & f-c gravel, tr. silt (SP)/(GP)	17–25						
-10.0			End Boring at 25.0'	25–30						

Boring Number: **FD-61**

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Log of Boring: **FD-7**

Project: Ansonia/Derby_ Housatonic_Levee	Project Number: 04019-0001	Elevation (ft): 15.0	Datum: Site Datum
Location: Ansonia, Connecticut	Logged By:	Date Started:	Date Completed:
Drilling Contractor: ACE		Drilling Foreman:	Completion Depth (ft): 35.0
Sampler:		Casing Diameter (in):	Casing Depth (ft):
Drilling Equipment:		Sampler Hammer:	Weight (lbs): 140 / Drop (in): 30
Drilling Rig:	Drilling Mud:	Water Level (ft)	First: ▽ / Completion: ▼ / 24 HR: ▼

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50	Remarks
14.0	TS		Topsoil	0						
	F		Br. bec. white & gray ash, brick, coal, concrete, glass, cinders & shell frags. mixed w/ variables amounts of sand (FILL)	1–14						
-0.5			Br. f-c gravel, and f-c sand, tr. silt, occ.wood, coal & metal (FILL)	15						
	G		Gray br. f-c gravel, and f-c sand, tr.silt (GP)	16–19						
-5.0				20						
	S		Gray br. f-c sand, some f-c gravel, tr.silt, occ. cobbles (SP-SM)	21–27						
-13.0				28						
	Cobb		Cobbles	29						
-15.0				30						

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Log of Boring: **FD-7**

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50	Remarks
	S		Br. f-c sand, some silt, little f-c gravel (SM)	30–35						
-20.0			End Boring at 35.0'	35						

Depth Scale: 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68

Boring Number: **FD-7**

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Log of Boring: **FD-8**

Project: Ansonia/Derby_Housatonic_Levee	Project Number: 04019-0001	Elevation (ft): 25.0	Datum: Site Datum
Location: Ansonia, Connecticut	Logged By:	Date Started:	Date Completed:
Drilling Contractor: ACE		Drilling Foreman:	Completion Depth (ft): 50.0
Sampler:		Casing Diameter (in):	Casing Depth (ft):
Drilling Equipment:		Sampler Hammer:	Weight (lbs): 140 / Drop (in): 30
Drilling Rig:	Drilling Mud:	Water Level (ft)	First: ▽ / Completion: ▼ / 24 HR: ▼

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale	Sample Data: Number / Type / Recov. (in) / Penetr. Resist BL/6in / N-Value (Blows/foot)	Remarks
			Mixture of br. & gray f-c gravel, silt, ash, cinders, coal, shells, brick & pottery frags (FILL)	0–6		
			Br. f-c sand & f-c gravel, tr. silt (FILL)	6–8		
			Br. m-f sand, little f-c gravel, tr. silt (FILL)	8–10		
	F		Br. f-c sand, and f-c gravel, tr. silt (FILL)	10–20		10'-25': mica particles noted
			Br. f-c sand, some f-c gravel, little silt (FILL)	20–21		
			Br. f-c sand, little/some silt, tr./little f-c gravel (FILL)	21–25		21'-25': occassional 1/2" thick silt layers
-5.0			Gray br. & br. f-c sand, some f-c gravel, some silt, frequent cobbles, occ. shells & coal frags (FILL)	25–30		

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Log of Boring: **FD-8**

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50	Remarks
	G		Br. f-c gravel, some f-c sand, tr. silt, frequent cobbles (GW)	30–35						
-10.0										
			Br. f-c sand, some f-c gravel, some silt, frequent cobbles (SM)	35–40						
	S		Br. f-m sand, tr. silt, frequent cobbles (SP-SM)	40–50						
-25.0			End Boring at 50.0'	50–68						

Boring Number: **FD-8**

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Log of Boring: **FD-10**

Project: Ansonia/Derby_Naugatuck Levee	Project Number: 04019-0001	Elevation (ft): 8.5	Datum: Site Datum
Location: Ansonia, Connecticut	Logged By:	Date Started:	Date Completed:
Drilling Contractor: ACE		Drilling Foreman:	Completion Depth (ft): 28.6
Sampler:		Casing Diameter (in):	Casing Depth (ft):
Drilling Equipment:		Sampler Hammer:	Weight (lbs): 140 / Drop (in): 30
Drilling Rig:	Drilling Mud:	Water Level (ft)	First: ▽ / Completion: ▼ / 24 HR: ▼

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50	Remarks
	F		Br. f-c sand, some f-c gravel, some silt mixed with variable amounts of cobbles, ash, cinders & brick frags (FILL)	0–5				20		
	F		Br. f-c sand, some f-c gravel, little silt mixed with variable amounts of brick frags (FILL)	5–10				13		
	F		Br. f-c sand, little f-c gravel, tr. silt, occ. organic matter (FILL)	10–14				14		
-5.8	O		Gray f sand, and organic silt (SM)	14–15						1/2" thick organic silt layer at ±15'
	O		Br. & blk organic silt (OL)	15–16						
-8.2	G		Br. f-c gravel, and f-c sand, tr. silt, occ. cobbles (GP)	16–20				9		
-12.0	S		Br. f-c sand, little f-c gravel, tr. silt, frequent cobbles (SP-SM)	20–24				31		
-16.0	GT		Gray f-c sand, some silt, little f-c gravel (SM)(TILL)	24–27				41		frags of wt'd rock noted within till
-20.1			End Boring at 28.6'	27–30						refusal

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Log of Boring: **FD-11**

Project: Ansonia/Derby_Naugatuck Levee	Project Number: 04019-0001	Elevation (ft): 8.0	Datum: Site Datum
Location: Ansonia, Connecticut	Logged By:	Date Started:	Date Completed:
Drilling Contractor: ACE		Drilling Foreman:	Completion Depth (ft): 30.0
Sampler:		Casing Diameter (in):	Casing Depth (ft):
Drilling Equipment:		Sampler Hammer:	Weight (lbs): 140 / Drop (in): 30
Drilling Rig:	Drilling Mud:	Water Level (ft)	First: ▽ / Completion: ▼ / 24 HR: ▼

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50	Remarks
	F		Br. m-f snd, some silt, mixed with variable amounts of cinders, ash & organic matter	0–2				11		
	F		Br. c-f sand, some silt, little f-c gravel, occ. cobbles (FILL)	2–9				8		
-2.0	F		Gray br. silt, some f sand, occ. organic matter (FILL)	9–10				8		
	O		Dk. br. organic silt, some f sand (OL)	10–15				8		
	O		Br. bec. blk. organic silt (OL)	15–19				6		
-11.5				19						
-12.5	COB		Cobbles	20						
	S		Br. f-c sand, some f-c gravel, tr. silt, frequent cobbles (SP-SM)	20–25				34		
	S			25–30				32		
-22.0			End Boring at 30.0'							

Boring Number: **FD-11**

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Log of Boring: **FD-138**

Project: Ansonia/Derby_Naugatuck Levee	Project Number: 04019-0001	Elevation (ft): 15.0	Datum: Site Datum
Location: Ansonia, Connecticut	Logged By:	Date Started:	Date Completed:
Drilling Contractor: ACE		Drilling Foreman:	Completion Depth (ft): 25.0
Sampler:		Casing Diameter (in):	Casing Depth (ft):
Drilling Equipment:		Sampler Hammer:	Weight (lbs): 140 / Drop (in): 30
Drilling Rig:	Drilling Mud:	Water Level (ft)	First: ▽ / Completion: ▼ / 24 HR: ▼

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale
	F		Br. f-c sand, tr. f-c gravel, tr. silt (FILL)	0–5
	F		Gray f-c sand & f-c gravel, tr. silt (FILL)	5–8
	F		Dk. gray f-c sand, some f-c gravel, tr. silt, occ. thin black silt lenses (FILL)	8–10
5.0	G/S		Br. gray f-c gravel & f-c sand, tr. silt (GP-GM)/(SP-SM)	10–20
-5.0	G		Br. f-c gravel, tr. f-c sand, tr. silt (GP)	20–24
-9.0	S		Br. m-f sand, tr. silt (SP)	24–25
-10.0			End Boring at 25.0'	25–30

Sample Data

Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50

Remarks

**soil description frm Plate 4-7, blow counts not illustrated

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Log of Boring: **FD-21**

Project: Ansonia/Derby_Naugatuck Levee	Project Number: 04019-0001	Elevation (ft): 18.0	Datum: Site Datum
Location: Ansonia, Connecticut	Logged By:	Date Started:	Date Completed:
Drilling Contractor: ACE		Drilling Foreman:	Completion Depth (ft): 30.0
Sampler:		Casing Diameter (in):	Casing Depth (ft):
Drilling Equipment:		Sampler Hammer:	Weight (lbs): 140 / Drop (in): 30
Drilling Rig:	Drilling Mud:	Water Level (ft)	First: ▽ / Completion: ▼ / 24 HR: ▼

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50	Remarks
	S		Br. m-f sand, tr. silt (SP-SM)	0–3				4		organic matter noted ±0' to ±5'
	S		Dk. br. m-f sand, some silt; grading to little silt (SM)	3–5						
	S		Br. m-f sand, tr. silt (SP)	5–6						
	S		Br. f-c sand, some f-c gravel, tr. silt, frequent cobbles (GP-GM)	6–10				21		
8.0	G		Br. becoming gray f-c gravel, and f-c sand, tr. silt, frequent cobbles (GP-GM)	10–14				38		
4.0	M		Gray silt, little f sand (ML)	14–20				15		
	M		Gray silt, and f sand (ML)	20–25				19		
	M			25–30				15		
-12.0			End Boring at 30.0'							

Boring Number: **FD-21**

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Log of Boring: **FD-22**

Project: Ansonia/Derby_Naugatuck Levee	Project Number: 04019-0001	Elevation (ft): 15.0	Datum: Site Datum
Location: Ansonia, Connecticut	Logged By:	Date Started:	Date Completed:
Drilling Contractor: ACE		Drilling Foreman:	Completion Depth (ft): 30.0
Sampler:		Casing Diameter (in):	Casing Depth (ft):
Drilling Equipment:		Sampler Hammer:	Weight (lbs): 140 / Drop (in): 30
Drilling Rig:	Drilling Mud:	Water Level (ft)	First: ▽ / Completion: ▼ / 24 HR: ▼

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50	Remarks
	S		Br. m-f sand, some silt (SM)	0						
			Br. f sand, tr. silt (SP)	1–4				4		
			Br. f sand, some silt (SM)	4–5						
10.0										
	G		Br. f-c gravel, and f-c sand, tr. silt frequent cobbles (GP)	5–10				22		
3.0										
	S/G		Br. f-c sand, and f-c gravel, tr. silt (SP-SM)	10–12				51		
0.5										
	G		Br. f-c gravel, some f-c sand, tr. silt (GP)	12–20				33		
-5.0										
	M		Gray silt, some f sand (ML)	20–25				10		
-15.0				25–30						

End Boring at 30.0'

Boring Number: **FD-22**

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Log of Boring: **FD-23**

Project: Ansonia/Derby Naugatuck Levee	Project Number: 04019-0001	Elevation (ft): 14.0	Datum: Site Datum
Location: Ansonia, Connecticut	Logged By:	Date Started:	Date Completed:
Drilling Contractor: ACE		Drilling Foreman:	Completion Depth (ft): 30.0
Sampler:		Casing Diameter (in):	Casing Depth (ft):
Drilling Equipment:		Sampler Hammer:	Weight (lbs): 140 / Drop (in): 30
Drilling Rig:	Drilling Mud:	Water Level (ft)	First: ▽ / Completion: ▼ / 24 HR: ▼

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50	Remarks
	S		Br. m-f sand, some silt, little f-c gravel (SM)	0						
			Br. m-f sand, tr. silt (SP)	1–4				13		
9.0			Br. m-f sand, little silt (SM)	4–5						
	G		Br. f-c gravel, some f-c sand, tr. silt, frequent cobbles (GP-GM)	5–10				27		
				10–15				35		
-1.0	M		Gray silt, some f sand (ML) grading to Gray silt, and f sand (ML)	15–20				13		
				20–25				23		
-16.0				25–30				12		

End Boring at 30.0'

Boring Number: **FD-23**

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Log of Boring: **FD-24**

Project: Ansonia/Derby_Naugatuck Levee	Project Number: 04019-0001	Elevation (ft): 16.0	Datum: Site Datum
Location: Ansonia, Connecticut	Logged By:	Date Started:	Date Completed:
Drilling Contractor: ACE		Drilling Foreman:	Completion Depth (ft): 35.0
Sampler:		Casing Diameter (in):	Casing Depth (ft):
Drilling Equipment:		Sampler Hammer:	Weight (lbs): 140 / Drop (in): 30
Drilling Rig:	Drilling Mud:	Water Level (ft)	First: ▽ / Completion: ▼ / 24 HR: ▼

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50	Remarks
	S		Br. m-f sand, little silt (SM)	0–5				9		
	S		Br. m-f sand, tr. silt (SP-SM)	5–6						
10.2	G		Br. f-c gravel, and f-c sand, tr. silt, frequent cobbles (GP)	6–10				38		
	G		Br. f-c gravel, some f-c sand, tr. silt, frequent cobbles (GP-GM)	10–15				49		
1.7	S		Br. f-c sand, some f-c gravel, tr. silt, frequent cobbles (SP)	15–25				20 / 18		
-13.0	M		Gray silt, some f sand (ML)	25–30				25		

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Log of Boring: **FD-24**

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50	Remarks
	M		Gray silt, some f sand (ML)	30–34				23		
-19.0			End Boring at 35.0'	35–68						

Boring Number: **FD-24**

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Log of Boring: **FD-25**

Project: Ansonia/Derby Naugatuck Levee	Project Number: 04019-0001	Elevation (ft): 16.0	Datum: Site Datum
Location: Ansonia, Connecticut	Logged By:	Date Started:	Date Completed:
Drilling Contractor: ACE		Drilling Foreman:	Completion Depth (ft): 30.0
Sampler:		Casing Diameter (in):	Casing Depth (ft):
Drilling Equipment:		Sampler Hammer:	Weight (lbs): 140 / Drop (in): 30
Drilling Rig:	Drilling Mud:	Water Level (ft)	First: ▽ / Completion: ▼ / 24 HR: ▼

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50	Remarks
	S		Br. m-f sand, tr. silt (SP)	0–9				4		
								7		
7.0										
	G		Br. f-c gravel, some f-c sand, tr. silt, num. cobbles (GP-GM)	9–15				98		
			Br. f-c gravel, some f-c sand, tr. silt, num. cobbles (GP)	15–19				92		
-3.0										
	M		Br. silt, little f sand (ML)	19–21				20		
			Gray silt, some f sand (ML)	21–30				18		
-14.0										

End Boring at 30.0'

Boring Number: **FD-25**

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Log of Boring: **FD-26**

Project: Ansonia/Derby_Naugatuck Levee	Project Number: 04019-0001	Elevation (ft): 18.0	Datum: Site Datum
Location: Ansonia, Connecticut	Logged By:	Date Started:	Date Completed:
Drilling Contractor: ACE		Drilling Foreman:	Completion Depth (ft): 30.0
Sampler:		Casing Diameter (in):	Casing Depth (ft):
Drilling Equipment:		Sampler Hammer:	Weight (lbs): 140 / Drop (in): 30
Drilling Rig:	Drilling Mud:	Water Level (ft)	First: ▽ / Completion: ▼ / 24 HR: ▼

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50	Remarks
	S		Br. m-f sand, tr. silt (SP-SM)	0–3				4		
14.5				4						
	G		Br. f-c gravel, some f-c sand, tr. silt (GP)	5–10				23		
			Br. f-c gravel, some f-c sand, tr. silt, num. cobbles (GP)	11–15				76		
			Void	16						
			Br. f-c sand & f-c gravel, tr. silt (SP)/(GM)	17–25				13 / 41		
-7.0										
	S		Br. f-c sand, some f-c gravel, tr. silt, num. cobbles (SP)	26–27				26		
-9.5										
	M/S		Layered gray silt, and f sand (ML) & f sand, and silt (SM)	28–30						
-12.0			End Boring at 30.0'							

Boring Number: **FD-26**

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Log of Boring: **FD-27**

Project: Ansonia/Derby Naugatuck Levee	Project Number: 04019-0001	Elevation (ft): 23.0	Datum: Site Datum
Location: Ansonia, Connecticut	Logged By:	Date Started:	Date Completed:
Drilling Contractor: ACE		Drilling Foreman:	Completion Depth (ft): 30.0
Sampler:		Casing Diameter (in):	Casing Depth (ft):
Drilling Equipment:		Sampler Hammer:	Weight (lbs): 140 / Drop (in): 30
Drilling Rig:	Drilling Mud:	Water Level (ft)	First: ▽ / Completion: ▼ / 24 HR: ▼

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50	Remarks
	F		Br. m-f sand, little f-c gravel, little silt (FILL)	0						
			Br. m-f sand, little silt with ash (FILL)	1						
21.0				2				19		
	S		Br. m-f sand, tr. silt (SM)	3						
			Br. f sand, little silt (SM)	4						
18.0			Br. m-f sand, some silt, little f-c gravel (SM)	5						
				6						
				7				29		
				8						
				9						
	G		Br. f-c gravel, and f-c sand, tr. silt (GP)	10						
				11						
				12				52		
				13						
				14						
				15						
5.0				16						
				17				31		
				18						
				19						
				20						
				21						
				22				17		
				23						
	M		Br. becoming gray silt, and f sand (ML)	24						
				25						
				26						
				27				14		
				28						
				29						
-7.0				30						

End Boring at 30.0'

Boring Number: **FD_27**

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Log of Boring: **FD-28**

Project: Ansonia/Derby_Naugatuck Levee	Project Number: 04019-0001	Elevation (ft): 11.0	Datum: Site Datum
Location: Ansonia, Connecticut	Logged By:	Date Started:	Date Completed:
Drilling Contractor: ACE		Drilling Foreman:	Completion Depth (ft): 30.0
Sampler:		Casing Diameter (in):	Casing Depth (ft):
Drilling Equipment:		Sampler Hammer:	Weight (lbs): 140 / Drop (in): 30
Drilling Rig:	Drilling Mud:	Water Level (ft)	First: ▽ / Completion: ▼ / 24 HR: ▼

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50	Remarks
9.5	TS		Topsoil	0–1						
	G		Br. f-c gravel, some f-c sand, numerous cobbles (GM)	1–10				41		
								89		
1.0	M		Gray silt, little f sand (ML)	10–20				17		
								16		
			Gray silt, some f sand (ML)	20–25				13		
				25–30				15		
-19.0			End Boring at 30.0'							

Boring Number: **FD-28**

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Log of Boring: **FD-30**

Project: Ansonia/Derby_Naugatuck Levee	Project Number: 04019-0001	Elevation (ft): 11.0	Datum: Site Datum
Location: Ansonia, Connecticut	Logged By:	Date Started:	Date Completed:
Drilling Contractor: ACE		Drilling Foreman:	Completion Depth (ft): 30.0
Sampler:		Casing Diameter (in):	Casing Depth (ft):
Drilling Equipment:		Sampler Hammer:	Weight (lbs): 140 / Drop (in): 30
Drilling Rig:	Drilling Mud:	Water Level (ft)	First: ▽ / Completion: ▼ / 24 HR: ▼

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50	Remarks
9.7	F/S		Br. m-f sand, tr. silt, frequent roots (SP-SM)(FILL)	0–1						
	G		Br. f-c gravel, some f-c sand, tr. silt, frequent cobbles (GP)	1–10				17		
								29		
1.0				10						
	M		Gray silt, little/some f sand (ML)	10–20				18		
								11		
			Gray silt, little f sand (ML)	20–30				20		
								14		
-19.0				30						

End Boring at 30.0'

Boring Number: **FD-30**

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Log of Boring: **FD-31**

Project: Ansonia/Derby_Naugatuck Levee	Project Number: 04019-0001	Elevation (ft): 10.0	Datum: Site Datum
Location: Ansonia, Connecticut	Logged By:	Date Started:	Date Completed:
Drilling Contractor: ACE		Drilling Foreman:	Completion Depth (ft): 30.0
Sampler:		Casing Diameter (in):	Casing Depth (ft):
Drilling Equipment:		Sampler Hammer:	Weight (lbs): 140 / Drop (in): 30
Drilling Rig:	Drilling Mud:	Water Level (ft)	First: ▽ / Completion: ▼ / 24 HR: ▼

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50	Remarks
	G		Gray f-c gravel, and f-c sand, tr. silt, num. cobbles (GP-GM)	0–5				169		
				5–10				70		
0.0				10						
	M		Gray silt, some fine sand (ML)	10–15				16		
				15–20				12		
				20–25				16		
			Gray silt (ML)	25–30				12		
-20.0			End Boring at 30.0'							

Boring Number: **FD-31**

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Log of Boring: **FD-32**

Project: Ansonia/Derby_Naugatuck Levee	Project Number: 04019-0001	Elevation (ft): 8.0	Datum: Site Datum
Location: Ansonia, Connecticut	Logged By:	Date Started:	Date Completed:
Drilling Contractor: ACE		Drilling Foreman:	Completion Depth (ft): 30.0
Sampler:		Casing Diameter (in):	Casing Depth (ft):
Drilling Equipment:		Sampler Hammer:	Weight (lbs): 140 / Drop (in): 30
Drilling Rig:	Drilling Mud:	Water Level (ft)	First: ▽ / Completion: ▼ / 24 HR: ▼

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50	Remarks
	S/G		Br. f-c sand & f-c gravel, tr. silt (SP)/(GP)	0–5				44		
2.5				5–6						
				6–10				9		
				10–15				13		
	M		Gray silt, and f sand (ML)	15–20				12		1/4" thick layers noted ±6' to ±30'
				20–25				8		
				25–30				13		
-22.0			End Boring at 30.0'							

Boring Number: **FD-32**

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Log of Boring: **FD-34**

Project: Ansonia/Derby_Naugatuck Levee	Project Number: 04019-0001	Elevation (ft): 22.5	Datum: Site Datum
Location: Ansonia, Connecticut	Logged By:	Date Started:	Date Completed:
Drilling Contractor: ACE		Drilling Foreman:	Completion Depth (ft): 30.0
Sampler:		Casing Diameter (in):	Casing Depth (ft):
Drilling Equipment:		Sampler Hammer:	Weight (lbs): 140 / Drop (in): 30
Drilling Rig:	Drilling Mud:	Water Level (ft)	First: ▽ / Completion: ▼ / 24 HR: ▼

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50	Remarks
	F		Br. f-c sand, little/some silt, little/some f-c gravel, mixed with variable amounts of cinders, mortar & glass (FILL)	0–5				9		
	F		Br. f-c sand, little/some silt, little/some f-c gravel, mixed with variable amounts of ash & cinders (FILL)	5–10				10		
	F		Br. m-f sand, little f-c gravel, tr. silt (FILL)	10–13				19		
9.0	G		Br. f-c gravel, some f-c sand, tr. silt (GP-GM)	13–15						
7.5	S		Br. f-c sand, little f-c gravel, little silt (SM)	15–17						
5.0	G		Br. f-c gravel, and f-c sand, tr. silt, num. cobbles (GP-GM)	17–25				96 / 63		
-2.5	M		Gray silt, and f sand (ML)	25–30				23		
-7.5			End Boring at 30.0'							

Boring Number: **FD-34**

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Log of Boring: **FD-35**

Project: Ansonia/Derby_Naugatuck Levee	Project Number: 04019-0001	Elevation (ft): 27.0	Datum: Site Datum
Location: Ansonia, Connecticut	Logged By:	Date Started:	Date Completed:
Drilling Contractor: ACE		Drilling Foreman:	Completion Depth (ft): 42.0
Sampler:		Casing Diameter (in):	Casing Depth (ft):
Drilling Equipment:		Sampler Hammer:	Weight (lbs): 140 / Drop (in): 30
Drilling Rig:	Drilling Mud:	Water Level (ft)	First: ▽ / Completion: ▼ / 24 HR: ▼

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50	Remarks
26.5	TS		Topsoil	0						
	F		Cinders & ash (FILL)	1–4				11		
			Blk. m-f sand, some silt, mixed with variable amounts of cinders & ash (FILL)	5–6						
			Blk f-c sand, some silt, little f-c gravel, mixed with variable amounts of glass & ash (FILL)	6–9				7		
			Coal, wood & gravel (FILL)	10–14				2		
			Br. f-c sand, little f-c gravel, little silt, num. glass & metal frags (FILL)	15–18				17		
			Br. f-c sand, little f-c gravel, tr. silt (FILL)	19						
7.0	G/S		Br., gray f-c gravel (wash)	20–24				24		
			'No Recovery'	25–26				12		
			Br. f-c sand, little f-c gravel, tr. silt (SP)	27–30				16		

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Log of Boring: **FD-35**

Elev. (ft)	Strata	Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. Resist BL/6in	N-Value (Blows/foot) 0 10 20 30 40 50	Remarks
			Br. f-c sand, little f-c gravel, tr. silt (SP)	30–32				16		
	G/S		'No Recovery'	32–37				33		
-10.0										
	M		Gray silt, and f sand (ML)	37–42				19		
-15.0			End Boring at 42.0'	42–68						

Boring Number: **FD-35**