

SM 282 E 12/02

PSN _____ BORNUM FHB-1
DIVISION Syracuse
COUNTY Herkimer
PIN S52886
ROUTE Thruway Mainline
MILEPOST 219.91
PROJECT Syracuse Division 2017 Design-Build Bridge Replacements



NEW YORK STATE THRUWAY AUTHORITY
NEW YORK STATE CANAL CORPORATION
SUBSURFACE EXPLORATION LOG



HOLE FH-B
LINE _____
STA _____
OFFSET ft
SURF. ELEV. 411.00, NAD 88
DEPTH TO WATER 29.0

COORDINATES (Lat) 43.017780°N (Long) 74.993599°W
DATE START 1/11/2017 DATE FINISH 1/11/2017

AUGER 4 1/4" I.D. HOLLOW STEM FLIGHT AUGER WT OF HAMMER-CASING lb HAMMER FALL-CASING in
CASING O. D. in I. D. in WT OF HAMMER-SAMPLER 140 lb HAMMER FALL-SAMPLER 30 in
SAMPLER O. D. 2 in I. D. 1-3/8 in HAMMER TYPE Safety

CASING BLOWS/ft	DEPTH (ft.) BELOW SURFACE	SAMPLE NO.	BLOWS ON SAMPLER (in.)				MOIST. CONT. (%)	Soil Recovery (in.)	Rock Recovery (ft.)	DESCRIPTION OF SOIL AND ROCK
			0 6	6 12	12 18	18 24				
	0.0									Dark gray asphalt pavement to 0.85 feet. -
										-
	5.0	SS1	24	11	11	11	3.9%	18		Brown gravelly (SILTY-SAND) fill with 10 to 25% gravel, M - NPL occasional cobble, trace to little silt, compact, massive soil structure, (SM). -
										-
	10.0	SS2	41	15	15	16	4.7%	14		Same as 4.0-6.0' M - NPL
										-
	15.0	SS3	15	9	8	5	6.9%	16		Same as 4.0-6.0' M - NPL
										-
	20.0	SS4	6	3	2	2	8.1%	8		Dark grayish brown gravelly (SAND-SILT-CLAY) fill M to W - LPL with 10 to 20% gravel, little sand and clay, firm, massive soil structure, (ML-CL). -
										-
	25.0	SS5	15	26			6.4%	16		Brown gravelly (SILTY-SAND) fill with 10 to 25% gravel, M - NPL trace to little silt, compact to dense, massive soil structure,

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DRILL RIG OPERATOR Philip Bence
SOIL & ROCK DESCRIPTION Kyle Shearing
INSPECTOR Matthew Conley (Stantec)
BIN 1020079
STRUCTURE NAME Thruway/ Mohawk St. (Rt.28)

TWY-CAN SUBSURF EXPLORATION 6K16_BIN-1020079-DRAFTS.GPJ TWYSE1TMPL_V05.GDT 3/31/17

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CASING O. D. in I. D. in WT OF HAMMER-SAMPLER 140 lb HAMMER FALL-SAMPLER 30 in
SAMPLER O. D. 2 in I. D. 1-3/8 in HAMMER TYPE Safety

CASING BLOWS/ft	DEPTH (ft.) BELOW SURFACE	SAMPLE NO.	BLOWS ON SAMPLER (in.)				MOIST. CONT. (%)	Soil Recovery (in.)	Rock Recovery (ft.)	DESCRIPTION OF SOIL AND ROCK
			0 6	6 12	12 18	18 24				
	25.0				19	13				(SM).
										-
	30.0	SS6	5	3	8	12	6.3%	6		Brown gravelly (SILTY-SAND) with 10 to 25% gravel, S - NPL trace to little silt, compact to dense, weakly stratified, (SM).
										-
	35.0	SS7	18	18	28	36	10.2%	16		Brown very gravelly (SILTY-SAND) with 40 to 60% gravel S - NPL with an occasional cobble, little silt, dense, weakly stratified, (SM),(GM).
										-
	40.0	SS8	16	20	21	17	12.2%	18		Same as 34.0-36.0' S - NPL
										-
	45.0	SS9	8	14	35	50/2	13.3%	14		Brown gravelly (SILTY-SAND) with 15 to 30% gravel, S - NPL occasional cobble, trace silt, compact to dense, weakly stratified, (SW).
										-
	50.0	SS10	9	12			12.3%	18		Same as 44.0-46.0' S - NPL

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CASING BLOWS/ft	DEPTH (ft.) BELOW SURFACE	SAMPLE NO.	BLOWS ON SAMPLER (in.)				MOIST. CONT. (%)	Soil Recovery (in.)	Rock Recovery (ft.)	DESCRIPTION OF SOIL AND ROCK
			0 6	6 12	12 18	18 24				
	50.0				12	12				----- -
	55.0	SS11	18	16	15	16	16.2%	14		----- Same as 44.0-46.0' S - NPL
										----- -
	60.0	SS12	14	16	11	15	9.6%	14		----- Same as 44.0-46.0' S - NPL
										----- -
	65.0	SS13	11	16	23	39	13.9%	18		----- Same as 44.0-46.0' S - NPL
										----- Note: Driller noticed change at 67.5 feet, drilling became more difficult. -
	70.0	SS14	13	50/5			7.0%	8		----- Brownish gray very gravelly (SILTY-SAND) with 30 to 50% gravel, little silt, very dense, weakly stratified to massive soil structure, (SM),(GM). S - NPL
										----- -
	75.0	SS15	50/4				8.0%	4		----- Same as 69.0-71.0' S - NPL

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SURF. ELEV. 411.00, NAD 88
DEPTH TO WATER 29.0

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DATE START 1/11/2017 DATE FINISH 1/11/2017

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CASING O. D. in I. D. in WT OF HAMMER-SAMPLER 140 lb HAMMER FALL-SAMPLER 30 in
SAMPLER O. D. 2 in I. D. 1-3/8 in HAMMER TYPE Safety

CASING BLOWS/ft	DEPTH (ft.) BELOW SURFACE	SAMPLE NO.	BLOWS ON SAMPLER (in.)				MOIST. CONT. (%)	Soil Recovery (in.)	Rock Recovery (ft.)	DESCRIPTION OF SOIL AND ROCK
			0	6	12	18				
	75.0		6	12	18	24				Note: Advanced bore hole without split spoon sampling to 79.0 feet. Onsite inspector halted boring at 79.0 feet.

BOTTOM OF HOLE AT 79.00 ft

Note:
Advanced bore hole 4 1/4" ID x 8" OD hollow stem auger casing with 5.0-foot interval sampling to end of boring at 79.0 feet. Bore hole was backfilled with cuttings and ground surface repaired with a cold asphalt patch.

DATE	TIME	DEPTH (ft.)			ARTESIAN HEAD HEIGHT ABOVE GROUND	FILLED WITH WATER AT END OF DAY
		HOLE	CASING	WATER		
11-Jan-17	10:15	31.00	29.00	29.00	NO	No
11-Jan-17	13:40	79.00	79.00	40.30	NO	No

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SOIL & ROCK DESCRIPTION Kyle Shearing
INSPECTOR Matthew Conley (Stantec)
BIN 1020079
STRUCTURE NAME Thruway/ Mohawk St. (Rt.28)

CONTRACT _____ CONTRACTOR Earth Dimensions, Inc.

SHEET 4 OF 4 HOLE FH-B

SM 282 E 12/02

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NEW YORK STATE THRUWAY AUTHORITY
NEW YORK STATE CANAL CORPORATION
SUBSURFACE EXPLORATION LOG



HOLE FH-B
LINE _____
STA _____
OFFSET ft
SURF. ELEV. 410.91, NAD 88
DEPTH TO WATER 34.0

COORDINATES (Lat) 43.017461°N (Long) 74.993383°W
DATE START 1/19/2017 DATE FINISH 1/19/2017

AUGER 4 1/4" I.D. HOLLOW STEM FLIGHT AUGER WT OF HAMMER-CASING lb HAMMER FALL-CASING in
CASING O. D. in I. D. in WT OF HAMMER-SAMPLER 140 lb HAMMER FALL-SAMPLER 30 in
SAMPLER O. D. 2 in I. D. 1-3/8 in HAMMER TYPE Safety

CASING BLOWS/ft	DEPTH (ft.) BELOW SURFACE	SAMPLE NO.	BLOWS ON SAMPLER (in.)				MOIST. CONT. (%)	Soil Recovery (in.)	Rock Recovery (ft.)	DESCRIPTION OF SOIL AND ROCK
			0	6	12	18				
			6	12	18	24				
	0.0									Dark gray asphalt pavement to 0.6 feet. - Light gray concrete to 1.4 feet. - ----- -
	5.0	SS1	9	10	10	15	5.2%	12		Brown gravelly (SILTY-SAND) fill with 15 to 40% gravel, M - NPL mostly very fine to coarse size sand, trace to little silt, compact, massive soil structure, (SM). - ----- -
	10.0	SS2	12	8	6	8	15%	14		Brown (SAND-SILT-CLAY) fill with 15 to 25% gravel, little M - LPL sand and clay, stiff, massive soil structure, (ML-CL). - ----- -
	15.0	SS3	8	7	10	6	8.3%	16		Grayish brown gravelly (SILTY-SAND) fill with 15 to 40% M - NPL gravel, mostly very fine to coarse size sand, trace to little silt, trace clay, compact, massive soil structure, (SM). - ----- -
	20.0	SS4	4	5	4	3	9.5%	13		Brown (SILTY-SAND) fill with 15 to 25% gravel, M to W - NPL mostly very fine to fine size sand, little silt, trace clay, loose, massive soil structure, (SM). - ----- -
	25.0	SS5	3	4			27.0%	18		Dark brown to brown (CLAYEY-SILT) with little to some M - PL clay, trace sand, trace to little organic matter, stiff, weakly ----- -

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DRILL RIG OPERATOR Philip Bence
SOIL & ROCK DESCRIPTION Brandon Mikolin
INSPECTOR Matthew Conley (Stantec)
BIN 1020079
STRUCTURE NAME Thruway/Mohawk St. (Rt.28)

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HOLE FH-B
LINE _____
STA _____
OFFSET ft
SURF. ELEV. 410.91, NAD 88
DEPTH TO WATER 34.0

COORDINATES (Lat) 43.017461°N (Long) 74.993383°W
DATE START 1/19/2017 DATE FINISH 1/19/2017

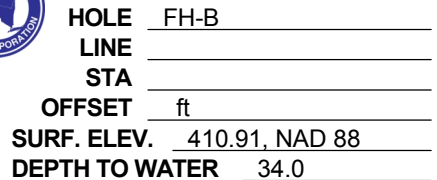
AUGER 4 1/4" I.D. HOLLOW STEM FLIGHT AUGER WT OF HAMMER-CASING lb HAMMER FALL-CASING in
CASING O. D. in I. D. in WT OF HAMMER-SAMPLER 140 lb HAMMER FALL-SAMPLER 30 in
SAMPLER O. D. 2 in I. D. 1-3/8 in HAMMER TYPE Safety

CASING BLOWS/ft	DEPTH (ft.) BELOW SURFACE	SAMPLE NO.	BLOWS ON SAMPLER (in.)				MOIST. CONT. (%)	Soil Recovery (in.)	Rock Recovery (ft.)	DESCRIPTION OF SOIL AND ROCK
			0	6	12	18				
			6	12	18	24				
	25.0				5	6				blocky soil structure, (CL).
										-
	30.0	SS6	4	3	3	2	6.1%	14		Light brown gravelly (SILTY-SAND) with 15 to 40% M to W - NPL gravel, trace to little silt, loose, stratified, (SW).
										-
	35.0	SS7	32	50/5			8.6%	6		Light brown gravelly (SILTY-SAND) with 15 to 40% S - NPL gravel, trace to little silt, very dense, stratified, (SW).
										-
	40.0	SS8	29	28	48	49	7.0%	17		Light brown very gravelly (SILTY-SAND) with 40 to 60% S - NPL gravel, trace to little silt, very dense, stratified, (SW),(GW).
										-
	45.0	SS9	27	19	19	34	10.5%	12		Same as 39.0-41.0' S - NPL
										-
	50.0	SS10	20	17			13.3%	8		Same as 39.0-41.0' S - NPL
										-

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DRILL RIG OPERATOR Philip Bence
SOIL & ROCK DESCRIPTION Brandon Mikolin
INSPECTOR Matthew Conley (Stantec)
BIN 1020079
STRUCTURE NAME Thruway/Mohawk St. (Rt.28)

PSN	BORNUM	FHB-2
DIVISION	Syracuse	
COUNTY	Herkimer	
PIN	S52886	
ROUTE	Thruway Mainline	
MILEPOST	219.91	
PROJECT	Syracuse Division 2017 Desi	



(Lat) 43.017461°N (Long) 74.993383°W

1/19/2017

1/19/2017

HAMMER FALL-CASING

HAMMER FALL-SAMPLER 30

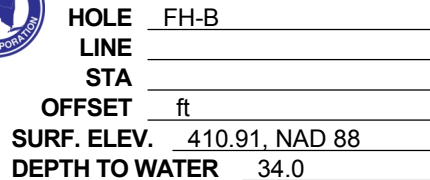
HAMMER TYPE Safety

Casing Blows/ft	Depth (ft.) Below Surface	Sample No.	Blows on Sampler (in.)				Moist. Cont. (%)	Soil Recovery (in.)	Rock Recovery (ft.)	Description of Soil and Rock	
			0	6	12	18					
			6	12	18	24					
	50.0				14	16				Brownish gray silty sand with 15 to 40% gravel, little silt, dense, stratified, (SM). S - NPL	
	55.0	SS11	29	14	22	21	15.2%	12		Brownish gray silty sand with 15 to 40% gravel, little silt, dense, stratified, (SM). S - NPL	
	60.0	SS12	20	18	32	50/5	8.9%	15		Brownish gray silty sand with 15 to 40% gravel, trace to little silt, dense, stratified, (SW). S - NPL	
	65.0	SS13	50/2				9.0%	2		Brownish gray silty sand with 15 to 40% gravel, little silt, very dense, stratified, (SM). S - NPL	
	70.0	SS14	50/3				6.6%	3		Same as 64.0-66.0' S - NPL	
75.0	SS15	50/5				6.9%	4		Same as 64.0-66.0' S - NPL		

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BIN 1020079
STRUCTURE NAME
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HOLE FH-B

PSN	BORNUM	FHB-2
DIVISION	Syracuse	
COUNTY	Herkimer	
PIN	S52886	
ROUTE	Thruway Mainline	
MILEPOST	219.91	
PROJECT	Syracuse Division 2017 Desi	



(Lat) 43.017461°N (Long) 74.993383°W

1/19/2017

1/19/2017

HAMMER FALL-CASING

HAMMER FALL-SAMPLER 30

HAMMER TYPE Safety

[illegible]

BOTTOM OF HOLE AT 79.30 ft

Advanced 4 1/4" ID x 8" OD hollow stem auger casing with 5.0-foot interval sampling to 79.3 feet. Bore hole was backfilled with cuttings and pea gravel and ground surface repaired with a blacktop patch.

DATE	TIME	DEPTH (ft.)			ARTESIAN HEAD HEIGHT ABOVE GROUND	FILLED WITH WATER AT END OF DAY
		HOLE	CASING	WATER		
19-Jan-17	10:10	34.00	34.00	34.00	NO	No
19-Jan-17	14:00	79.30	79.00	29.80	NO	No

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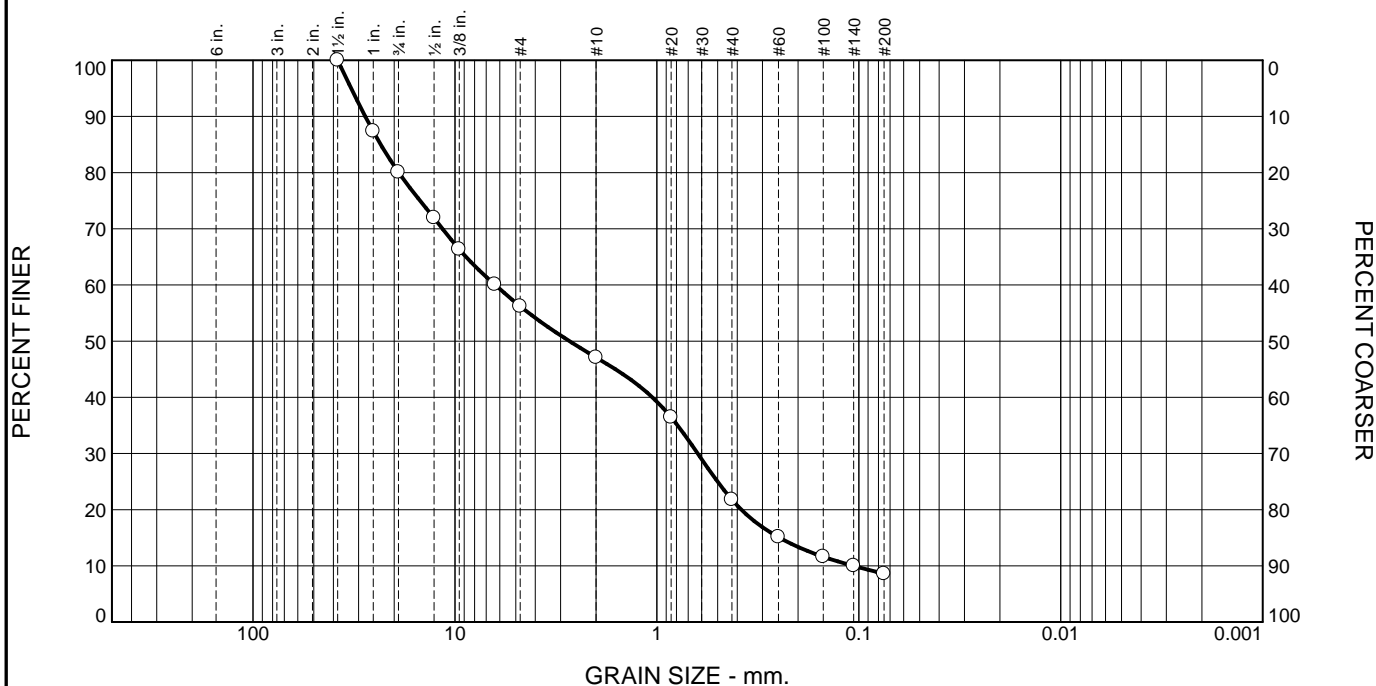
Thruway/Mohawk St. (Rt.28)

CONTRACT **CONTRACTOR** Earth Dimensions, Inc.

SHEET 4 OF 4

HOLE FH-B

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	19.9	23.9	9.1	25.3	13.2	8.6	

TEST RESULTS (D6913)			
Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
1.5"	100.0		
1	87.4		
3/4	80.1		
1/2	71.9		
3/8	66.3		
1/4	60.1		
#4	56.2		
#10	47.1		
#20	36.4		
#40	21.8		
#60	15.1		
#100	11.6		
#140	10.0		
#200	8.6		

* (no specification provided)

Material Description
ID#17-028

Atterberg Limits (ASTM D 4318)
PL= LL= PI=

Classification
USCS (D 2487)= AASHTO (M 145)=

Coefficients
D₉₀= 27.7988 D₈₅= 23.3065 D₆₀= 6.3125
D₅₀= 2.7093 D₃₀= 0.6278 D₁₅= 0.2468
D₁₀= 0.1064 C_u= 59.34 C_c= 0.59

Remarks

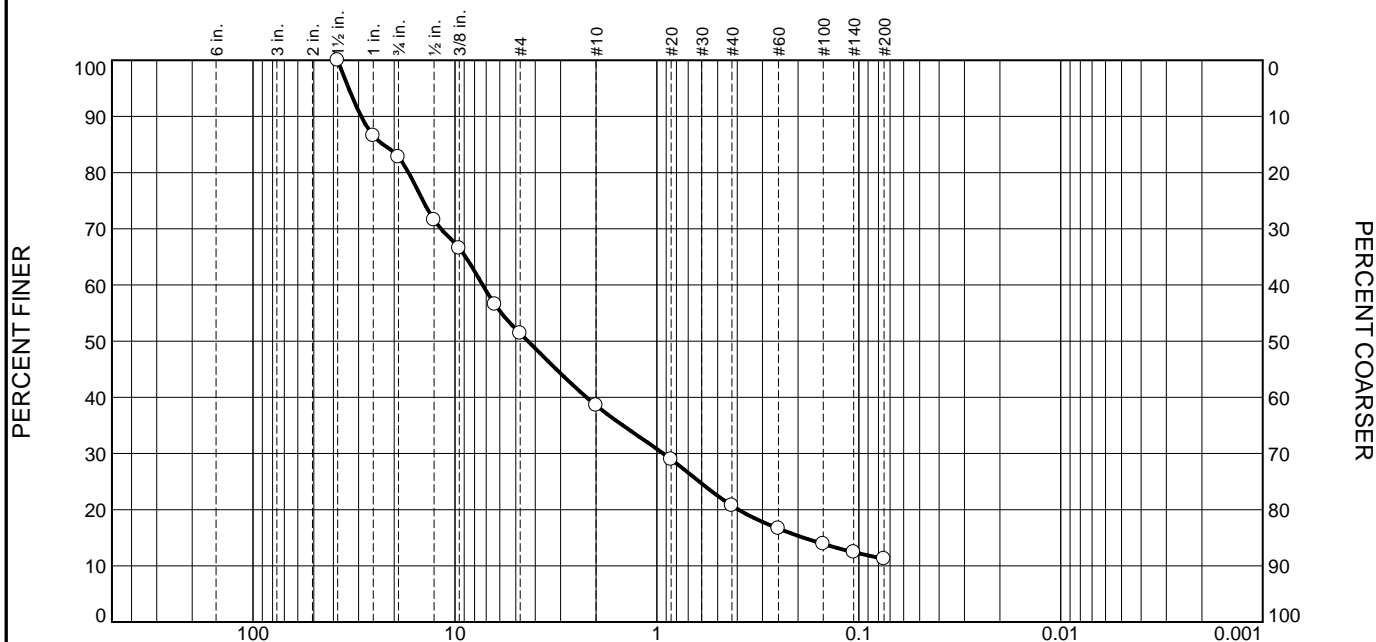
Date Received: 2/9/17 Date Tested: 2/17/17
Tested By: ETC
Checked By: JMA
Title: LM

Source of Sample: 6K16 & 7K16
Sample Number: FHB-1, SS9&10

Date Sampled:

3rd Rock, LLC East Aurora, NY	Client: Earth Dimensions, Inc. Project: 6K16; 7K16
	Project No: 17-002 Figure

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	17.2	31.4	12.8	17.9	9.4	11.3	

TEST RESULTS (D6913)			
Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
1.5"	100.0		
1	86.6		
3/4	82.8		
1/2	71.6		
3/8	66.6		
1/4	56.5		
#4	51.4		
#10	38.6		
#20	29.0		
#40	20.7		
#60	16.6		
#100	13.9		
#140	12.4		
#200	11.3		

* (no specification provided)

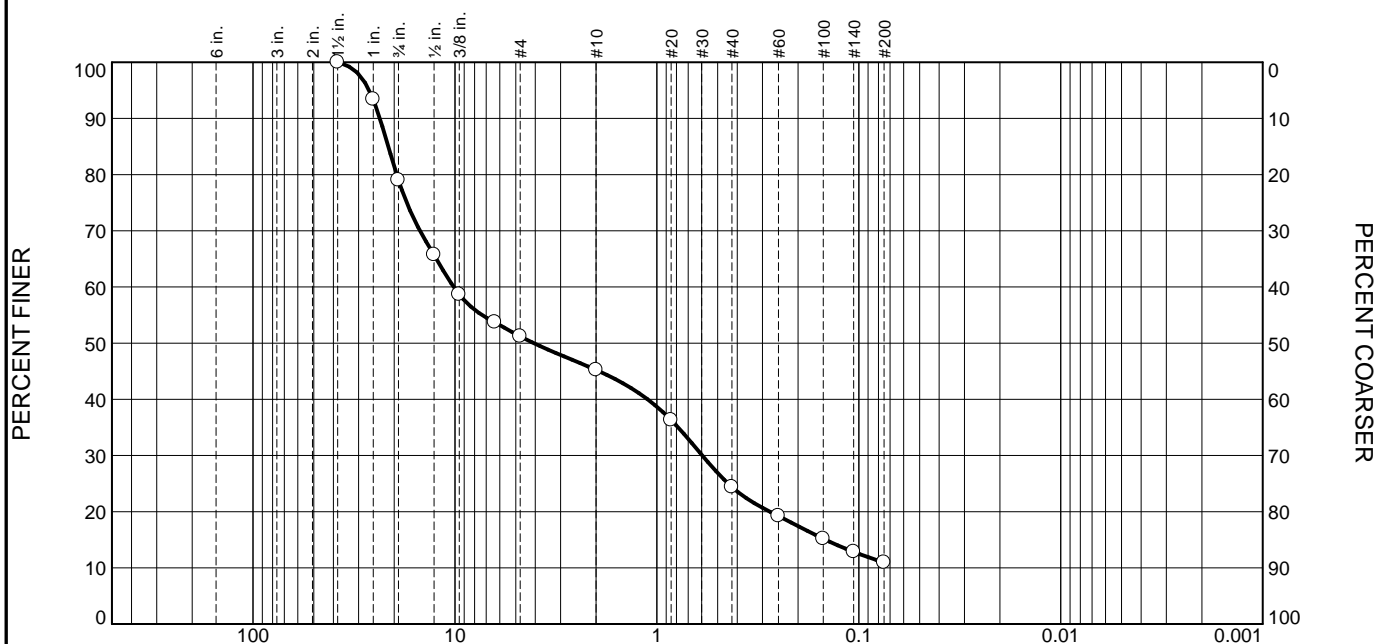
Material Description		
ID#17-029		
Atterberg Limits (ASTM D 4318)		
PL=	LL=	PI=
Classification		
USCS (D 2487)=	AASHTO (M 145)=	
Coefficients		
D ₉₀ = 29.1382	D ₈₅ = 22.6619	D ₆₀ = 7.2948
D ₅₀ = 4.3485	D ₃₀ = 0.9306	D ₁₅ = 0.1874
D ₁₀ =	C _u =	C _c =
Remarks		
Date Received: 2/9/17 Date Tested: 2/17/17		
Tested By: ETC		
Checked By: JMA		
Title: LM		

Source of Sample: 6K16 & 7K16
Sample Number: FHB-1, SS14&15

Date Sampled:

3rd Rock, LLC		Client: Earth Dimensions, Inc.	
East Aurora, NY		Project: 6K16; 7K16	
		Project No: 17-002	Figure

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	21.0	27.8	6.0	20.8	13.4	11.0	

TEST RESULTS (D6913)			
Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
1.5"	100.0		
1	93.4		
3/4"	79.0		
1/2	65.7		
3/8	58.7		
1/4	53.7		
#4	51.2		
#10	45.2		
#20	36.3		
#40	24.4		
#60	19.2		
#100	15.2		
#140	12.8		
#200	11.0		

* (no specification provided)

Material Description
ID#17-030

Atterberg Limits (ASTM D 4318)
PL= LL= PI=

Classification
USCS (D 2487)= AASHTO (M 145)=

Coefficients
D₉₀= 23.5315 D₈₅= 21.3877 D₆₀= 10.1488
D₅₀= 4.0739 D₃₀= 0.5958 D₁₅= 0.1461
D₁₀= C_u= C_c=

Remarks

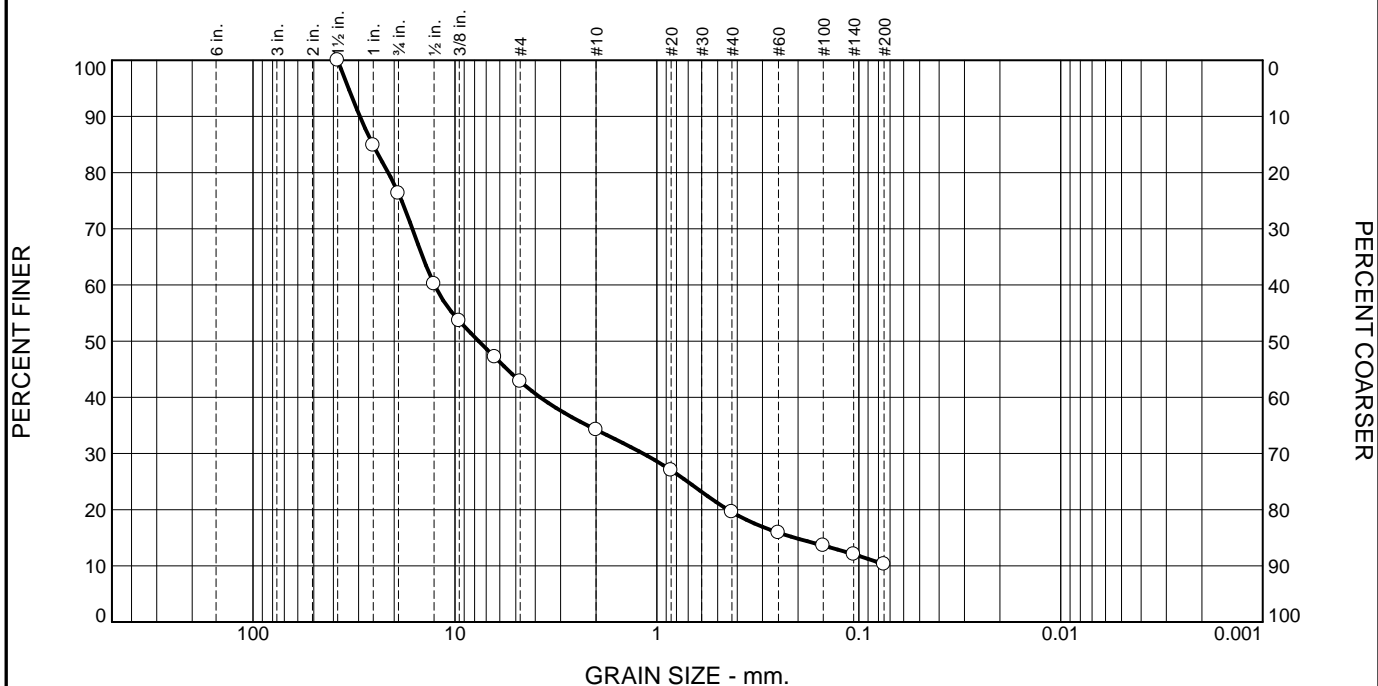
Date Received: 2/9/17 Date Tested: 2/20/17
Tested By: ETC
Checked By: JMA
Title: LM

Source of Sample: 6K16 & 7K16
Sample Number: FHB-2, SS6

Date Sampled:

3rd Rock, LLC East Aurora, NY		Client: Earth Dimensions, Inc. Project: 6K16; 7K16 Project No: 17-002	Figure
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Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	23.7	33.5	8.6	14.6	9.3	10.3	

TEST RESULTS (D6913)			
Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
1.5"	100.0		
1	84.9		
3/4	76.3		
1/2	60.2		
3/8	53.6		
1/4	47.2		
#4	42.8		
#10	34.2		
#20	27.0		
#40	19.6		
#60	15.9		
#100	13.6		
#140	12.1		
#200	10.3		

* (no specification provided)

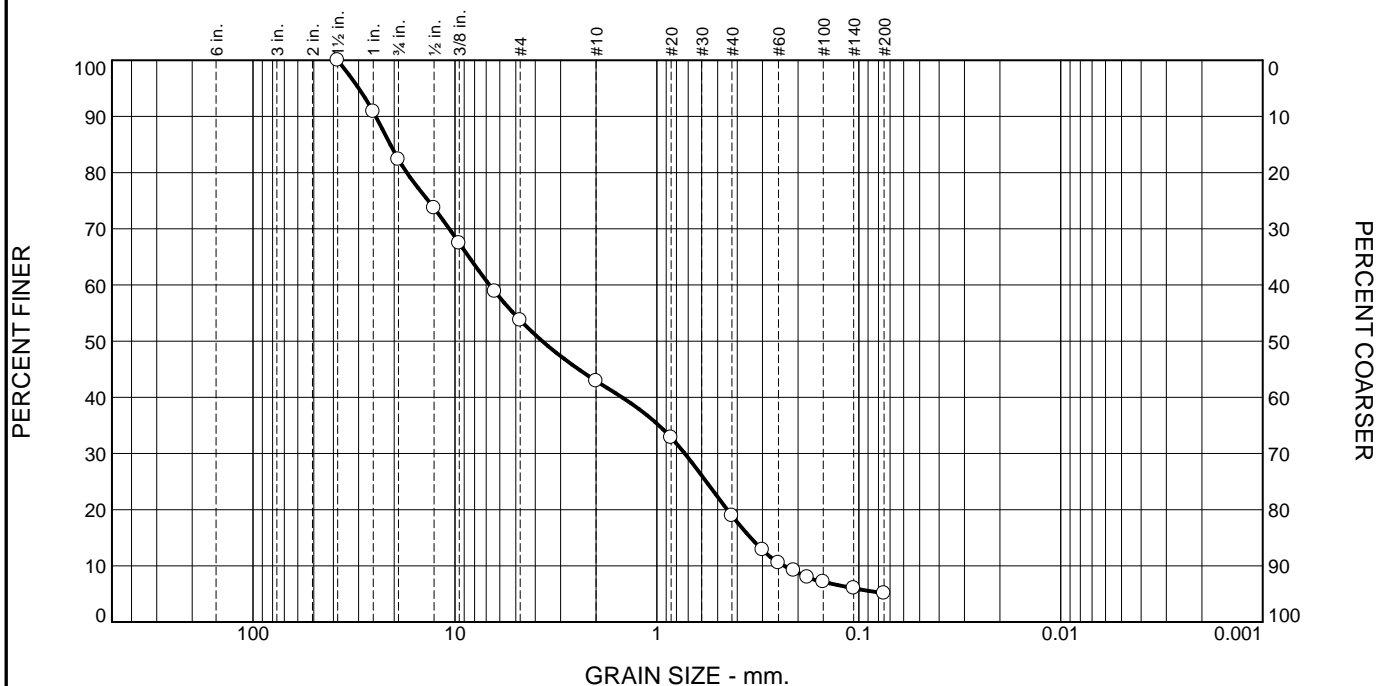
Material Description		
ID#17-031		
Atterberg Limits (ASTM D 4318)		
PL=	LL=	PI=
Classification		
USCS (D 2487)=	AASHTO (M 145)=	
Coefficients		
D ₉₀ = 29.5513	D ₈₅ = 25.5061	D ₆₀ = 12.6300
D ₅₀ = 7.6354	D ₃₀ = 1.1712	D ₁₅ = 0.2074
D ₁₀ =	C _u =	C _c =
Remarks		
Date Received: 2/9/17 Date Tested: 2/17/17		
Tested By: ETC		
Checked By: JMA		
Title: LM		

Source of Sample: 6K16 & 7K16
Sample Number: FHB-2, SS8&9

Date Sampled:

3rd Rock, LLC		Client: Earth Dimensions, Inc.
East Aurora, NY		Project: 6K16; 7K16
Project No: 17-002		Figure

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	17.7	28.6	10.8	24.0	13.8	5.1	

TEST RESULTS (D6913)			
Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
1.5"	100.0		
1	90.9		
3/4	82.3		
1/2	73.7		
3/8	67.4		
1/4	58.8		
#4	53.7		
#10	42.9		
#20	32.8		
#40	18.9		
#50	12.8		
#60	10.5		
#70	9.2		
#80	8.0		
#100	7.1		
#140	6.0		
#200	5.1		

* (no specification provided)

Material Description		
ID#17-032		
Atterberg Limits (ASTM D 4318)		
PL=	LL=	PI=
Classification		
USCS (D 2487)=	AASHTO (M 145)=	
Coefficients		
D ₉₀ = 24.6466	D ₈₅ = 20.9094	D ₆₀ = 6.7382
D ₅₀ = 3.6919	D ₃₀ = 0.7277	D ₁₅ = 0.3435
D ₁₀ = 0.2348	C _u = 28.70	C _c = 0.33
Remarks		
Date Received: 2/9/17		Date Tested: 2/15/17
Tested By: ETC		
Checked By: JMA		
Title: LM		

Source of Sample: 6K16 & 7K16
Sample Number: FHB-2, SS12

Date Sampled:

3rd Rock, LLC

Client: Earth Dimensions, Inc.

Project: 6K16; 7K16

East Aurora, NY

Project No: 17-002

Figure



Water Content Test Results by ASTM D2216

Project: New York State Thruway
EDI Project No.: 6K16
Client: Earth Dimensions, Inc.

Project No: 16-008
Date: 1/17/17

Borehole No.	Sample Nos.	Depth, fbg	Lab ID No.	Natural Water Content, %
FH-B-1	S-1	4-6	17-004	3.9
	S-2	9-11	17-004	4.7
	S-3	14-16	17-004	6.9
	S-4	19-21	17-004	8.1
	S-5	24-26	17-004	6.4
	S-6	29-31	17-004	6.3
	S-7	34-36	17-004	10.2
	S-8	39-41	17-004	12.2
	S-9	44-46	17-004	13.3
	S-10	49-51	17-004	12.3
	S-11	54-56	17-004	16.2
	S-12	59-61	17-004	9.6
	S-13	64-66	17-004	13.9
	S-14	69-71	17-004	7.0
	S-15	74-76	17-004	8.0
FH-B-4	S-1	4-6	17-005	6.2
	S-2	9-11	17-005	7.5
	S-3	14-16	17-005	8.0
	S-4	19-21	17-005	12.0
	S-5	24-26	17-005	21.1
	S-6	29-31	17-005	28.8
	S-7	34-36	17-005	29.4
	S-8	39-41	17-005	31.0
	S-9	44-46	17-005	24.5
	S-10	49-51	17-005	22.8
	S-11	54-56	17-005	13.6
	S-12	59-61	17-005	18.6
	S-13	64-66	17-005	22.7
	S-14	69-71	17-005	20.0
	S-15	74-76	17-005	21.9
	S-16	79-81	17-005	17.7
	S-17	84-86	17-005	20.2

3rd Rock, LLC
580 Olean Road
East Aurora, NY 14052
(716)655-4933
(716)655-8638 fax



Water Content Test Results by ASTM D2216

Project: New York State Thruway
EDI Project No.: 6K16
Client: Earth Dimensions, Inc.

Project No: 16-008
Date: 1/25/17

Borehole No.	Sample Nos.	Depth, fbg	Lab ID No.	Natural Water Content, %
FH-B-2	S-1	4-6	17-011	5.2
	S-2	9-11	17-011	15.2
	S-3	14-16	17-011	8.3
	S-4	19-21	17-011	9.5
	S-5	24-26	17-011	27.0
	S-6	29-31	17-011	6.1
	S-7	34-36	17-011	8.6
	S-8	39-41	17-011	7.0
	S-9	44-46	17-011	10.5
	S-10	49-51	17-011	13.3
	S-11	54-56	17-011	15.2
	S-12	59-61	17-011	8.9
	S-13	64-66	17-011	9.0
	S-14	69-71	17-011	6.6
	S-15	74-76	17-011	6.9
	S-16	79-79.3	17-011	8.7

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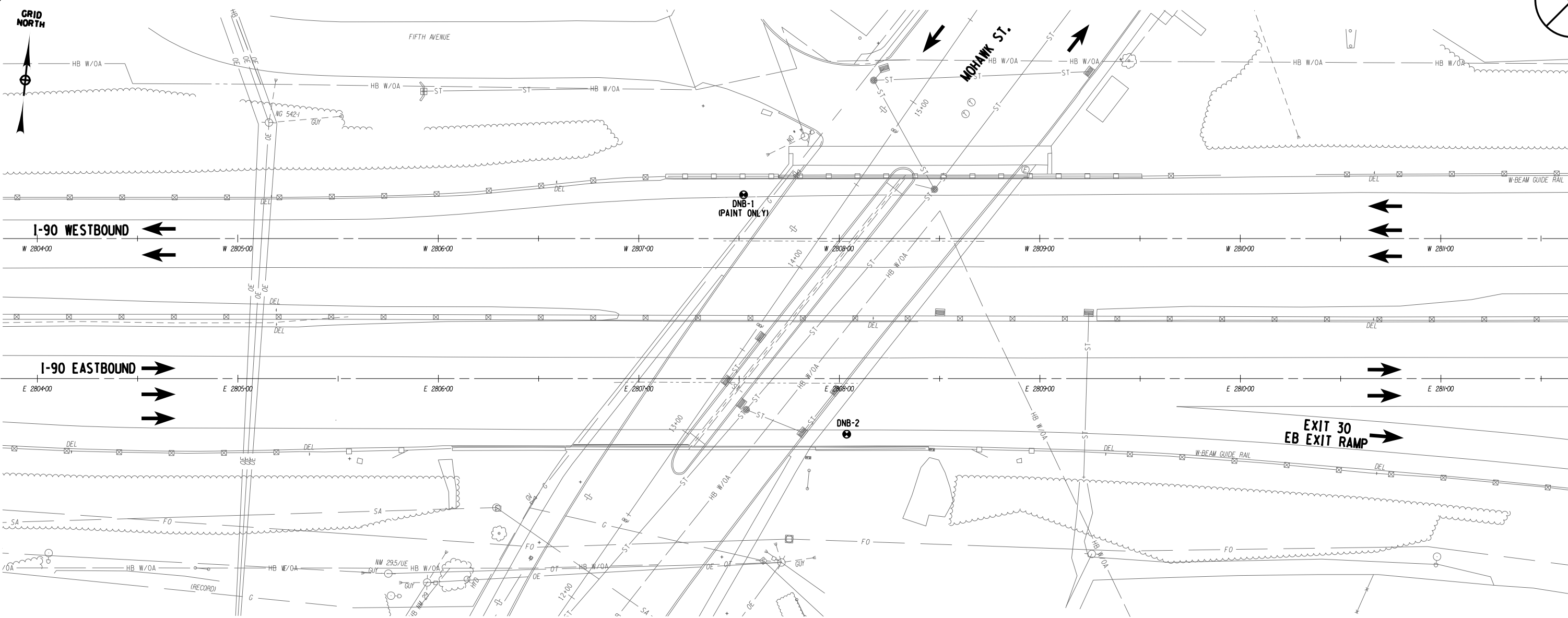
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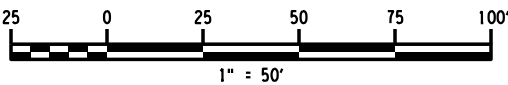
DESIGNED BY:

DESIGN SUPERVISOR:




SOIL BORING LOCATION PLAN
SCALE: 1" = 50'

SOIL BORING LOCATION		
BORING	LATITUDE	LONGITUDE
DNB-1	43.0177805	-74.9935995
DNB-2	43.0174608	-74.9933833



REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 Thruway Authority	TITLE OF PROJECT I-90 EASTBOUND AND WESTBOUND OVER MOHAWK STREET (BIN 1020079)	CONTRACT NUMBER: TAB- 17-XX
	LOCATION OF PROJECT SYRACUSE DIVISION M.P. 219.91	DATE: 02/23/17
	TITLE OF DRAWING BORING LOCATION PLAN	DRAWING NUMBER: BP-01