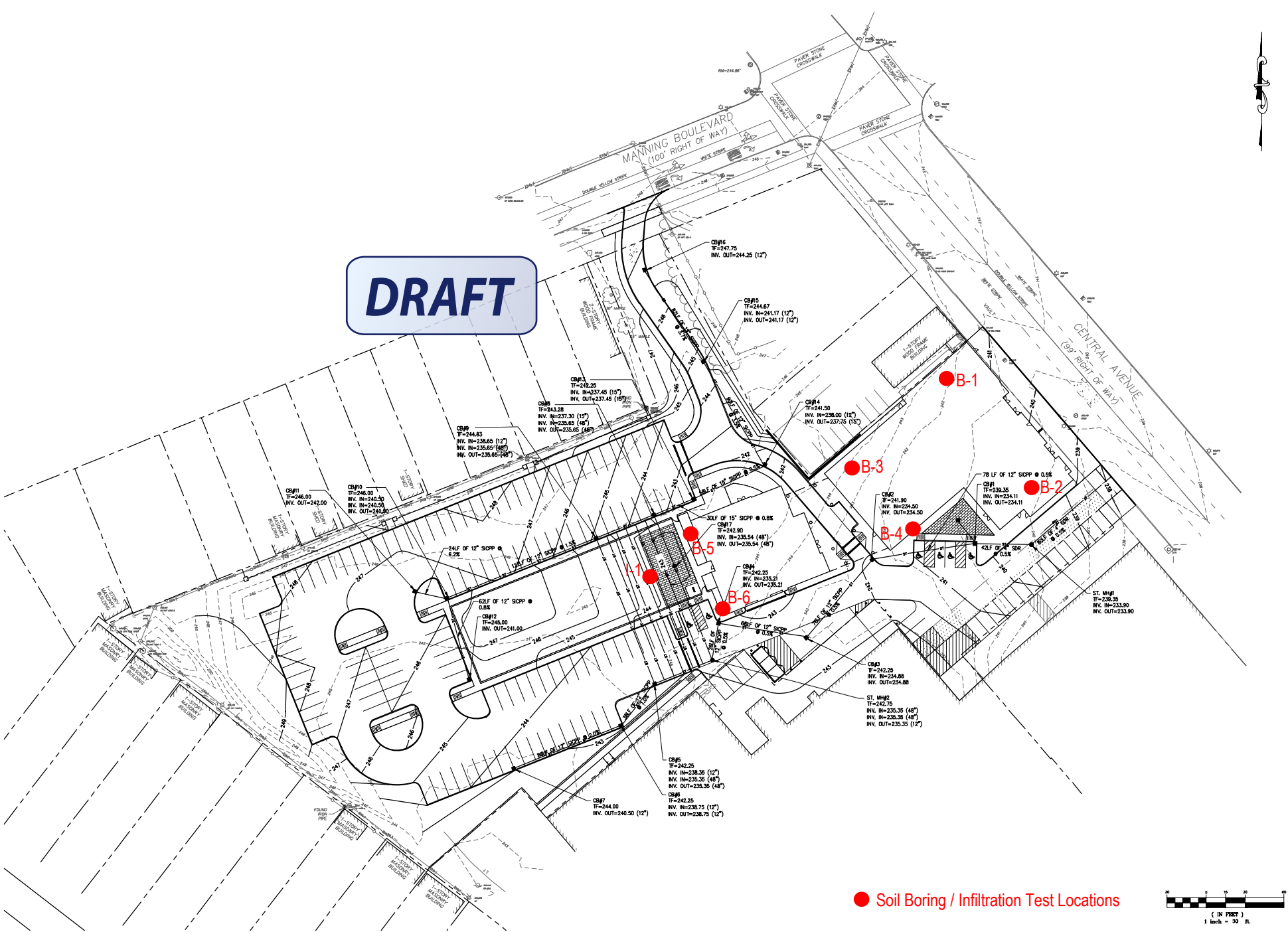


**DRAFT**



● Soil Boring / Infiltration Test Locations



PROJECT NAME/LOCATION:  
DESCRIPTION (NEW CONSTRUCTION)  
**THE SWINBURNE BUILDING**  
526 CENTRAL AVENUE  
ALBANY NY 12206

Engineering and  
Land Surveying, P.E.  
Professional Project No. 1400

**HHL Architects**  
772 North Street, Buffalo, New York 14203  
716.885.0745 # 716.885.6414  
hhlarchitects.com

ARCHITECT OF RECORD

ISSUE DATE: X.18  
SHEET: X / XX  
DRAWING NUMBER  
**C-5**

REVISIONS AFTER ISSUANCE  
DATE DESCRIPTION

DRAWING TITLE  
**GRADING & DRAINAGE PLAN**

DRAWING STATUS: [X] NOT FOR CONSTRUCTION [ ] SCHEMATIC DESIGN [ ] DESIGN DEVELOPMENT [ ] CONSTRUCTION DOCUMENTS [ ] ISSUED FOR CONSTRUCTION

REGAN DEVELOPMENT CORPORATION

DENTE GROUP, A TERRACON COMPANY

SUBSURFACE LOG: B-1

PROJECT: 526 Central Avenue

DATE

START: 2/22/18

FINISH: 2/22/18

LOCATION: Albany, New York

METHODS: 3 1/4" Hollow Stem Augers, ASTM

CLIENT: Regan Development Corp

1536 Drilling Methods with Auto Hammer

JOB NUMBER: JB185008

SURFACE ELEVATION: +/- 242.0'

DRILL TYPE: CME 45C

CLASSIFICATION: O.Burns

**DRAFT**

SAMPLE		BLOWS ON SAMPLER					CLASSIFICATION / OBSERVATIONS
DEPTH	#	6"	12"	18"	24"	N	
5'	1	6	8				<b>FILL:</b> Brown/Gray F-C SAND & CONCRETE, Some Asphalt, trace silt & brick <b>(MOIST, FIRM)</b> ----- Dark Brown to Brown Mottled F-M SAND, Little to trace silt Similar with Seams of Little Silt Grades Little Silt, trace organics (WET)
				6	10	14	
	2	4	5				
				6	5	11	
10'	3	4	4				Grades Some Silt (SATURATED)
				3	3	7	
	4	2	2				
				2	4	4	
15'	5	1	2				Grades Gray Fine SAND, trace silt ----- <b>(MOIST TO SATURATED, FIRM TO LOOSE)</b> ----- Gray SILT and CLAY <b>(SATURATED, SOFT)</b>
				1	2	3	
	6	WH	WH				
				1/12"	-	1	
20'	7	1	3				End of boring 22.0' depth. Groundwater measured at 11.0' depth within auger casings after Sample #6.
				2	2	5	
25'							

**PROJECT:** 526 Central Avenue

**DATE**

START: 2/23/18

FINISH: 2/23/18

**LOCATION:** Albany, New York

**METHODS:** 3 1/4" Hollow Stem Augers, ASTM

**CLIENT:** Regan Development Corp.

D1586 Drilling Methods with Auto Hammer

**JOB NUMBER:** JB185008

**SURFACE ELEVATION:** +/- 240.0'

**DRILL TYPE:** CME 45C

**CLASSIFICATION:** O.Burns

SAMPLE		BLOWS ON SAMPLER					CLASSIFICATION / OBSERVATIONS
DEPTH	#	6"	12"	18"	24"	N	
5'	1	6	6				<b>FILL:</b> Brown F-M SAND, Little Mottling and Silt (MOIST) Grades Brown Mottled F-C SAND, Some Brick Grades Some Mortar, Grades to Dark Brown SILT, Little Brick (MOIST, FIRM AND LOOSE)
	2	3	6				
	3	WH	1				
	4	4	3				
10'	5	1	1				Brown/Dark Brown F-M SAND, trace silt, rootlets noted (WET, LOOSE) Dark Brown PEAT, trace sand (MOIST, LOOSE) Gray Fine SAND, Some Silt
				4	4	5	
15'	6	WH	1/12"				Grades Little Silt (SATURATED) (MOIST TO SATURATED, LOOSE)
				-	1	1	
20'							End of boring 20.0' depth. Driller notes 3.0' of running sand within auger casings upon completion of borehole.
25'							

**DRAFT**

**PROJECT:** 526 Central Avenue

**DATE**

START: 2/25/18

FINISH: 2/25/18

**LOCATION:** Albany, New York

**METHODS:** 3 1/4" Hollow Stem Augers, ASTM

**CLIENT:** Regan Development Corp.


D1586 Drilling Methods with Auto Hammer

**JOB NUMBER:** JB185008

**SURFACE ELEVATION:** +/- 244.0'

**DRILL TYPE:** CME 45C

**CLASSIFICATION:** O.Burns

SAMPLE		BLOWS ON SAMPLER					CLASSIFICATION / OBSERVATIONS
DEPTH	#	6"	12"	18"	24"	N	
	1	3	5				<b>FILL:</b> Brown/Gray F-C SAND, SILT, and GRAVEL, Little Concrete (MOIST) Grades Some Silt, Brick, and Asphalt <b>(MOIST, FIRM)</b>
				7	10	12	
	2	7	10				
5'	3	10	6				----- Dark Brown to Brown F-M SAND, Some to Little Silt, Grades Gray, trace organics noted (WET)
				8	14	18	
	4	4	2				
10'				2	3	4	Grades Some Silt (SATURATED)
	5	2	4				
				5	4	9	
15'	6	WH	WH				
				WH	WH	WH	
20'	7	3	1				Grades Little Silt
				2	3	3	
25'	8	2	1				Grades trace silt <b>(MOIST TO SATURATED, FIRM TO LOOSE)</b> -----
				1	2	2	

**PROJECT:** 526 Central Avenue

**DATE**

START: 2/25/18

FINISH: 2/25/18

**LOCATION:** Albany, New York

**METHODS:** 3 1/4" Hollow Stem Augers, ASTM

**CLIENT:** Regan Development Corp.

D1586 Drilling Methods with Auto Hammer

**JOB NUMBER:** JB185008

**SURFACE ELEVATION:** +/- 244.0'

**DRILL TYPE:** CME 45C

**CLASSIFICATION:** O.Burns

SAMPLE		BLOWS ON SAMPLER					CLASSIFICATION / OBSERVATIONS
DEPTH	#	6"	12"	18"	24"	N	
30'	9	1	1				Gray SILT and CLAY
				2	4	3	
35'	10	WH	WH				
				1	4	1	
40'	11	WH	WH				
				WH	1	WH	
45'	12	WH	WH				
				1	1	1	
50'	13	WH	WH				(SATURATED, VERY SOFT)
				WH	1	1	
55'							End of boring 52.0' depth. Groundwater measured at 11.4' depth within auger casings after Sample #6.

**DRAFT**

**PROJECT:** 526 Central Avenue

**DATE**

START: 2/23/18

FINISH: 2/23/18

**LOCATION:** Albany, New York

**METHODS:** 3 1/4" Hollow Stem Augers, ASTM

**CLIENT:** Regan Development Corp.

D1586 Drilling Methods with Auto Hammer

**JOB NUMBER:** JB185008

**SURFACE ELEVATION:** +/- 242.0'

**DRILL TYPE:** CME 45C

**CLASSIFICATION:** O.Burns

SAMPLE		BLOWS ON SAMPLER					CLASSIFICATION / OBSERVATIONS
DEPTH	#	6"	12"	18"	24"	N	
							+/- 4" Asphalt, +/- 4" Base
	1	21	10				<b>FILL:</b> Brown F-C SAND, Some Silt and Ash, Little Gravel, trace cinders <b>(MOIST, FIRM)</b>
	2	10	7	10	11	20	
5'	3	4	3	4	4	11	Brown F-M SAND, Little Silt
	4	3	2	3	3	6	Grades to Gray
						3	<b>(MOIST TO WET, FIRM TO LOOSE)</b>
	5	3	1	1	2	2	Dark Brown PEAT
10'	6	1	2	3	2	5	<b>(MOIST, LOOSE)</b>
	7	2	1	2	4	3	
	8	1	1	2	3	3	Gray Fine SAND, Some Silt (WET) Grades (SATURATED)
15'	9	1	1/12"	-	1	1	Grades Little Silt
							<b>(WET TO SATURATED, LOOSE)</b>
20'							End of boring 22.0' depth.
25'							

**DRAFT**

**PROJECT:** 526 Central Avenue

**DATE**

START: 2/23/18

FINISH: 2/23/18

**LOCATION:** Albany, New York

**METHODS:** 3 1/4" Hollow Stem Augers, ASTM

**CLIENT:** Regan Development Corp.

D1586 Drilling Methods with Auto Hammer

**JOB NUMBER:** JB185008

**SURFACE ELEVATION:** +/- 246.0'

**DRILL TYPE:** CME 45C

**CLASSIFICATION:** O.Burns

SAMPLE		BLOWS ON SAMPLER					CLASSIFICATION / OBSERVATIONS
DEPTH	#	6"	12"	18"	24"	N	
5'	1	4	5				<b>FILL:</b> Brown F-C SAND, Little Asphalt and Silt <b>(MOIST, LOOSE)</b> ----- Brown F-M SAND, Some to Little Silt, Little Gray Mottling Grades Brown Grades trace silt (WET)
	2	3	3				
	3	4	3				
	4	3	3				
10'	5	WH	1/12"				Grades (SATURATED)
15'	6	WH	1/12"				<div style="border: 1px solid black; border-radius: 15px; padding: 10px; text-align: center; font-weight: bold; font-size: 1.2em; color: blue;">DRAFT</div>
20'	7	WH	WH				Grades Gray <b>(WET TO SATURATED, LOOSE)</b>
25'							End of boring 22.0' depth. Groundwater measured at 8.8' depth within auger casings after Sample #6.

**PROJECT:** 526 Central Avenue

**DATE**

START: 2/23/18

FINISH: 2/23/18

**LOCATION:** Albany, New York

**METHODS:** 3 1/4" Hollow Stem Augers, ASTM

**CLIENT:** Regan Development Corp.

D1586 Drilling Methods with Auto Hammer

**JOB NUMBER:** JB185008

**SURFACE ELEVATION:** +/- 245.0'

**DRILL TYPE:** CME 45C

**CLASSIFICATION:** O.Burns

SAMPLE		BLOWS ON SAMPLER					CLASSIFICATION / OBSERVATIONS
DEPTH	#	6"	12"	18"	24"	N	
5'	1	6	5				<b>FILL:</b> Brown/Gray F-C SAND & CONCRETE, trace silt <b>(MOIST, FIRM)</b> ----- Brown Mottled F-M SAND, Little Silt Grades Brown Grades Some Silt (SATURATED) Grades Little Silt
	2	1	2				
	3	2	3				
	4	3	3				
	5	1/12"	-				
10'	6	WH	1				<div style="border: 2px solid blue; border-radius: 15px; padding: 10px; display: inline-block;"> <b>DRAFT</b> </div>
				1/12"	-	1	
				1	1	2	
15'	7	WH	WH				Grades trace silt
				WH	WH	WH	
20'	8	1	1				----- <b>(MOIST TO SATURATED, LOOSE)</b> Gray SILT and CLAY (SATURATED, V. SOFT)
				2	3	3	
25'							End of boring 22.0' depth. Groundwater measured at 8.5' depth within auger casings upon completion of borehole.



**PROJECT:** 526 Central Avenue

**DATE**

START: 2/25/18

FINISH: 2/25/18

**LOCATION:** Albany, New York

**METHODS:** 3 1/4" Hollow Stem Augers, ASTM

**CLIENT:** Regan Development Corp.

D1586 Drilling Methods with Auto Hammer

**JOB NUMBER:** JB185008

**SURFACE ELEVATION:** +/- 245.0'

**DRILL TYPE:** CME 45C

**CLASSIFICATION:** O.Burns

SAMPLE		BLOWS ON SAMPLER					CLASSIFICATION / OBSERVATIONS
DEPTH	#	6"	12"	18"	24"	N	
5'	1	5	5				<b>FILL:</b> Brown Mottled F-C SAND, Some Gravel, Little Silt <b>(MOIST, LOOSE)</b> ----- Brown F-M SAND, Little Silt, trace mottling ----- Grades (WET) <b>(MOIST TO WET, LOOSET)</b>
	2	5	4				
	3	2	3				
	4	3	3				
10'				4	5	9	End of boring 8.0' depth.
				4	4	8	
				3	2	6	
				2	2	5	
15'							<div style="border: 1px solid black; border-radius: 15px; padding: 5px; display: inline-block; background-color: #e0e0ff;"> <b>DRAFT</b> </div>
20'							
25'							



A Terracon COMPANY

INFILTRATION TEST RESULTS					
PROJECT: 526 Central Avenue			PROJECT NO. JB185008		
PROJECT LOCATION: Albany, New York			TEST DATE: 2/26/18		
WEATHER:			TESTER: AB		
Test Location	Test Depth (feet)	Trial No.	Water Drop (inches)	Elapsed Time (hours)	Infiltration Rate (inches/hour)
I-1	5.1	1	7.5	1.00	7.5
		2	7.5	1.00	7.5
		3	7.5	1.00	7.5
		4	7.5	1.00	7.5
Average infiltration rate for four trials was 7.5 inches per hour. Infiltration rate of final trial was 7.5 inches per hour.					

**DRAFT**

Notes:

- (1) Testing was conducted in general accord with the "Infiltration Testing Requirements" contained in Appendix D of the New York State Storm Water Management Design Manual.
- (2) Test pipe was installed in a borehole made adjacent to test boring I-1.

**SOIL CLASSIFICATION AT TEST DEPTH**

Test Location I-1: Brown F-M SAND, Little Silt