

BELMONT MIDDLE AND HIGH SCHOOL

BELMONT, MA

SCHOOL BUILDING COMMITTEE MEETING

MARCH 11, 2020

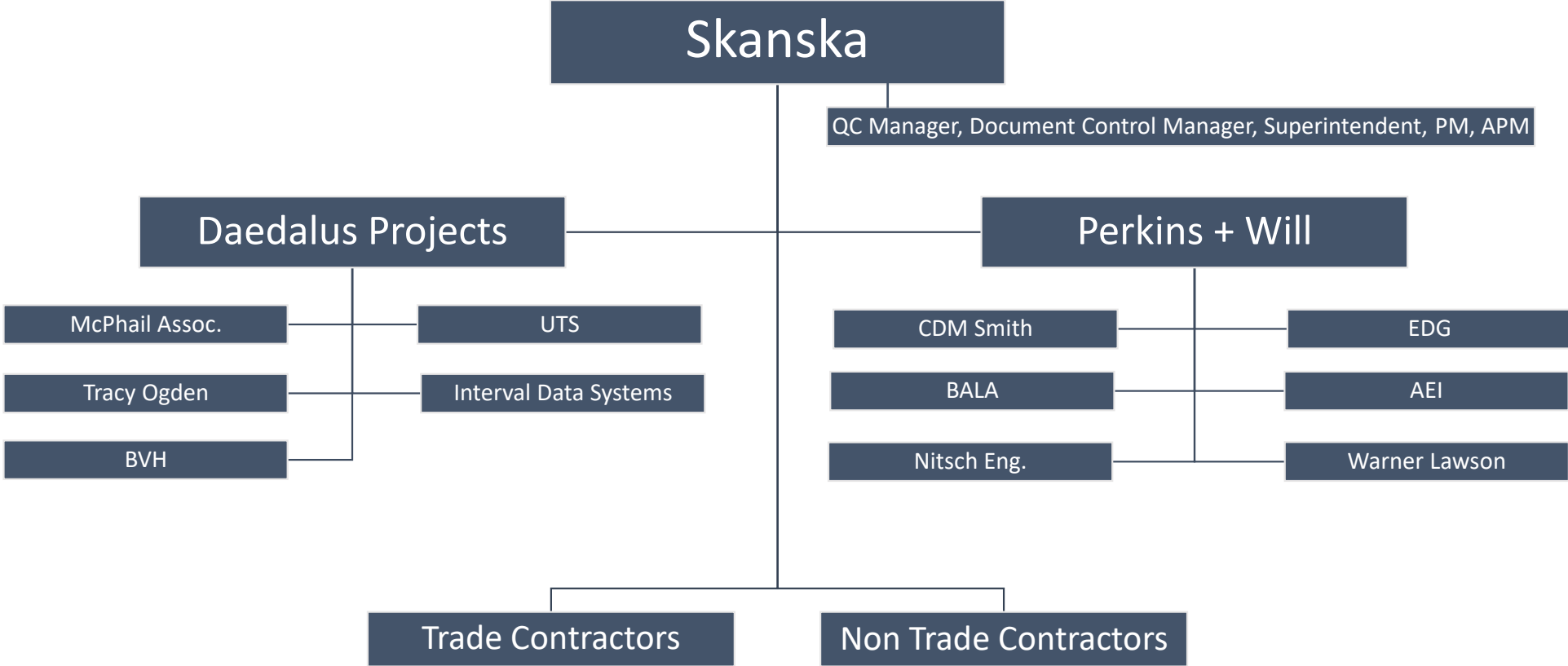
PERKINS+WILL

SKANSKA



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QUALITY ASSURANCE/QUALITY CONTROL



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QUALITY ASSURANCE/QUALITY CONTROL

Of Massachusetts "The Construction Testing People"
 5 Richardson Lane, Stoneham, MA 02180 781-438-7755 (Voice) 781-438-8216 (Fax)

Soil Inspection Report
 Distribution Copy

Report Date: 02-12-2020
 Report No: 80
 Job Number: 23487
 Project: Belmont Middle
 Contractor: Skanska USA

Compressive Strength Report - Concrete
 Distribution Copy

Report Date: 12-31-2019
 Report No: 19
 Job Number: 23487
 Project: Belmont Middle & High School, Belmont, MA
 211 Concord Avenue, PO 20116
 Skanska USA Building, Inc.
 Cambridge, MA

Contractor: Skanska USA
 Concrete Co: Skanska USA Building, Inc.

ALL FIELD TESTS DONE ACCORDING TO ASTM
ALL COMPRESSIVE STRENGTH TESTS DONE ACCORDING TO ASTM

CLASS CONCRETE: 4500# 3" x 6"
 SET 1 LOCATION: 211 Concord Avenue, T-23, S-4
 No. of Sets: 2
 CUBIC YARDS: 60

Lab No.	Size (In.)	Area (sq. In.)	Condition	Date Cast	Date Tested	Age (Days)	Total Load (lbs.)	Unit Load (psi)	Fracture Type	Stump (In.)	Air Temp. (F)	Comp. Temp. (F)	Track No.	Tester No.	Time	Unit Weighing (lb)	Air Content (%)
019	6" x 6" x 6"	36	Good	12/21/19	12/21/19	28	102,000	2833	1	10	49	49	10	272	1:00	100	0
020	6" x 6" x 6"	36	Good	12/21/19	12/21/19	28	102,000	2833	1	10	49	49	10	272	1:00	100	0

GENERAL REMARKS: All test results are in accordance with ASTM C-1097.

REVIEWED BY: Ryan W. Clankler

FRACTURE TYPES: Type 1, Type 2, Type 3, Type 4, Type 5, Type 6

BMC



CLERK OF THE WORKS DAILY REPORT

Belmont High School Phase 1	Author: Gabriel Suriel & Tony DeGreco	Perkins & Will	Report Number: 180
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Contract Time:	days	Date: 02-28-20	
Days Extended:	days	Day: Friday	
Days Elapsed:	days	Weather: Mostly cloudy	
Days Remaining:	days	Temperature AM: 28	Temperature PM: 37

Site Condition: Mud

Contractor	Workforce
Skanska	3 Superintendent, 1 Safety, 1 Labor Foreman, 1 carpenter, 12 Office
W.L. French	1 Foreman, 4 Operator, 5 Laborer
Pro-Cut	No work
South Shore pipeline	No work
A-Plus Surveyors	No work
PJ Dione	No work
Canstraro	No work
Wayne J Griffin	No work
Marguerite carpenters	0 Foreman, 0 Carpenters, 6 Laborers, 0 Surveyor, 0 Pump op, 0 Eng.
Marguerite Iron Workers	0 Iron Worker
Vynorous	No work
Chesapeake	1 Foreman, 4 Operator, 4 Laborers
Structure Derrek	1 General Foreman, 1 Raising Foreman, 1 Stuart, 2 Welder, 17 Journeymen
Hallamore	0 Surveyor, Hallamore: 1 Crane Operator, 1 Oiler, half day
Commercial Masonry	No work
Save-On-Wall	No work
Marshall Roofing	No work
Mobile Insulation	No work
Hub Foundations	No work
Ryan Iron	No work
Total Workforce: 67	

Miscellaneous Others	
Daedalus Projects	Justin, Tony
Amphibious Medic	1 EMS
Belmont Police	2 Detail
Town of Belmont	0
Perkins & Will	0
UTS	1 Technician
TAO Consulting	Tracey
CDM Smith	Chris
Total Misc: 8	

Construction Activity:

- Skanska: Supervision, and site logistics. Laborer and carpenter removed debris cleaning and organizing site.
- Miscellaneous carpentry.
- Ryan Iron: No work.
- W.L. French: Excavation and placement of (3) 12" ribbed pipe west of DMH 201, then excavated and placed DMH 200.
- Pro cut: No work.
- A Plus: No work.
- Wayne J Griffin: No work.
- PJ Dione: No work.
- Marguerite: Striping and cleaning forms.



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Perkins & Will
ARCHITECT

Field Observation Report

To: Viraj Manojkumar (Perkins and Will), Pat Bruzon (BMHS), Jeff Brooks (Perkins and Will), James Chung (Skanska USA), Jim Craft (Skanska USA), Tony Dalrimo (Dredgela Projects, Inc.), Justin Fernandez (Dredgela Projects, Inc.), Thomas Gotschall (Skanska USA), Hakime Gustawicz (Skanska USA), Manny Hays (Skanska USA), Mike Kohnig (Skanska USA), William Lottolo (BMHS), Scott MacKenzie (Skanska USA), Mike Morrison (Dredgela Project), Shane Moran (Skanska USA), Kris Olson (Skanska USA), Jonathan Sprund (Skanska USA), Robert Tyson (Perkins and Will), Tom Watson (Skanska USA), Rachel White (Skanska USA)

From: Brian Spangler (Perkins & Will)

Subject: Architectural Field Obs

Date of Visit: Refer to item not list

Observed by: Brian Spangler (Perkins & Will)

Report No.: 000

Submitted to the provisions of the standard generally outline of the Work are acceptable.

A summary of ongoing or

- Steel erection
- Grade beam
- Geothermal

Please respond to:

Perkins & Will
ARCHITECT

February 12, 2020

ITEM NO.	REMARKS	PHOTO(S)
N/A	Open items from previous reports: 200219-01 (Rebar of HI curb) 200205-01 (Rebar of Area A) 200205-02 (Cont. of entries)	
200219-01	In-circuit rigging installed in loading bays of distribution balcony. Two CCB-012, WJ section to C/L 7 & 8. Reviewed in field with Skanska (Manny Hays, Kris Olson, Mike Kohnig) on date of observation. Rebar will be installed per CCB 012 in a later date.	
200219-02	Standing water observed in form walls of Area C, column lines 3 and 4 (process at time of observation), but pouring was scheduled for later that day. CM to arrange for later water removed prior to concrete placement.	

CDM Smith

Daily Field Report - Geothermal Install

Client: Perkins & Will
Project Name: BMHS Geothermal
Project Location: Belmont, MA
Project Number: 234218

Contractor: Chesapeake Ge
Supervisor: Bruce Walker
Type of Rig(s): Setramm P4
No Rig(s) Working: 2

Weather (°F): Sunny 40-50's
Downtime:

Well No.	Overburden (lin. ft.)	Casing (lin. ft.)	Rock (lin. ft.)	Work Production To	
				Total Depth (lin. ft.)	Dril Con.
GT-17 (R1)	-	-	-	-	-
GT-47 (R2)	-	-	-	-	-
GT-16 (R1)	62	67	447	509	-
GT-46 (R2)	52	56	456	508	-
GT-36 (R2)	58	63	122	-	-
GT-15 (R1)	61	66	139	-	-
GT-8 (R1)	-	-	-	-	-
GT-36 (Aband)	58	62	62	-	-

* Loop length measured from top of casing
R1= Rig 1, R2= Rig 2, R3= Rig 3

Item	Today	Status	
		Total to Date	Estim
Drilling Complete	2	20	7
Loop Installed	3	20	-
Grouting Complete	4	17	-

A mid up of loop test data was noted this mor. The pressure test loop installed in GT-47 was noted this morning and passed first attempt to approximately 120 ft before it

Legend:
○ Well Drilled
○ Well Looped
○ Well Grouted
○ Circuit Pressure Tested
□ Vault Installed to Grade
□ Circuits Connected to Vault
□ Vault Pressure Tested

Updated as of 02/25/2020

