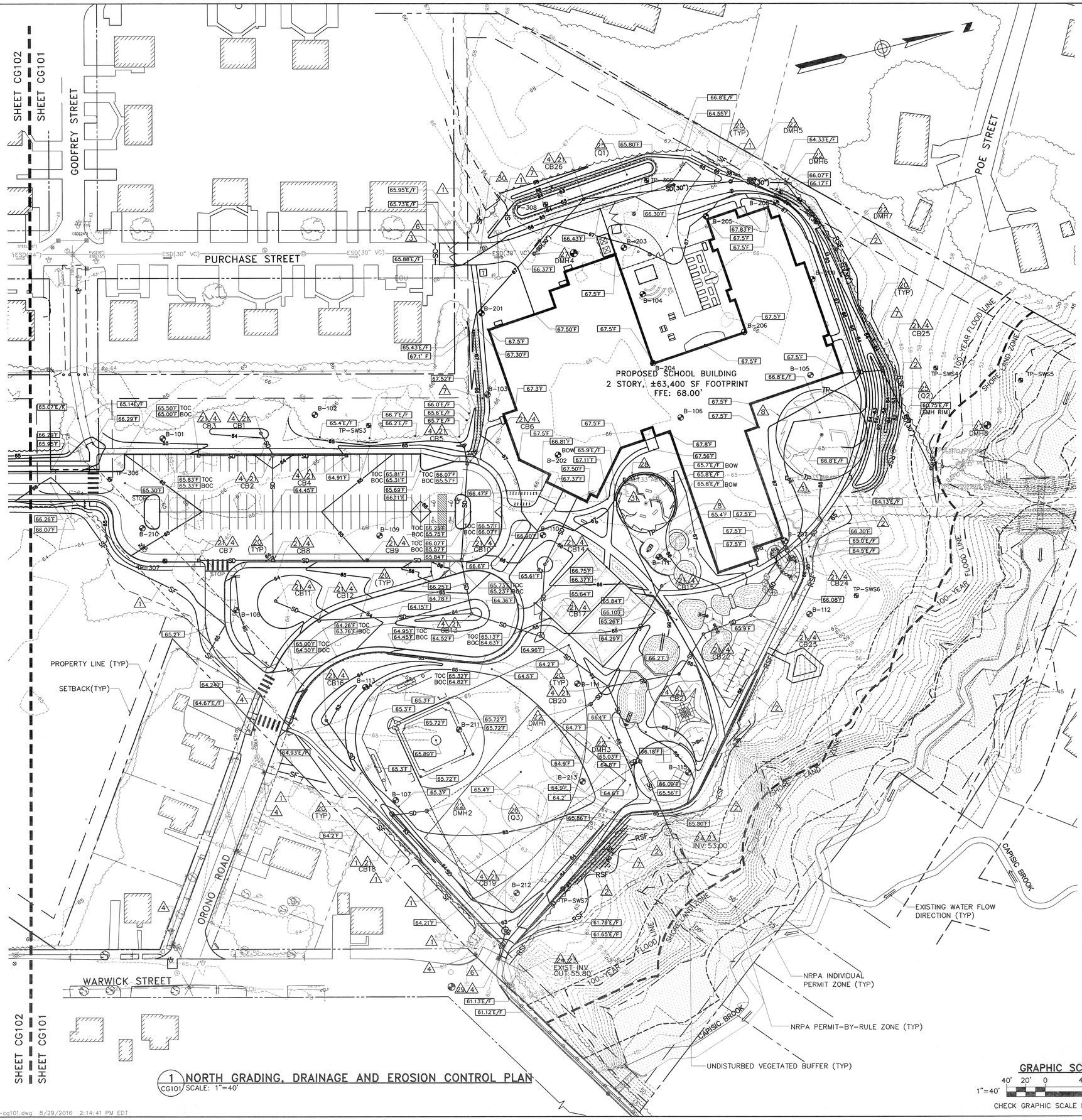

1 NORTH GRADING, DRAINAGE AND EROSION CONTROL PLAN
CG101 SCALE: 1"=40'

KEYNOTES: (THIS SHEET ONLY.)

1. SILT FENCE.
2. REINFORCED SILT FENCE.
3. SEDIMENT CONTROL WATTLE.
4. CATCH BASIN INLET PROTECTION.
5. POSSIBLE SOIL STOCKPILE LOCATION.
6. STABILIZED CONSTRUCTION ENTRANCE.
7. EROSION CONTROL BLANKET.
8. TREE PROTECTION FENCE.
9. NOT USED.
10. STORM DRAIN LINE IN PIPE TRENCH.
11. CATCH BASIN. SEE DRAINAGE STRUCTURE SCHEDULE, THIS SHEET.
12. DRAIN MANHOLE. SEE DRAINAGE STRUCTURE SCHEDULE, THIS SHEET.
13. PIPE OUTLET PROTECTION.
14. FLARED END SECTION (INVERT AS NOTED).
15. STORMWATER TREATMENT AREA (GRASSED UNDERDRAINED SOIL FILTER). SEE TREATMENT AREA SCHEDULE, THIS SHEET.
16. STORMWATER TREATMENT AREA (SUBSURFACE SAND FILTER). SEE TREATMENT AREA SCHEDULE, THIS SHEET.
17. CONNECT TO EXISTING STORM DRAIN LINE (LINE SIZE AND TYPE AS INDICATED) WITH DRAIN MANHOLE. SEE DRAINAGE STRUCTURE SCHEDULE, THIS SHEET.
18. SEATWALL, ±18" TALL. TOP OF WALL ELEVATION: 67.33'. ELEVATION AT BACK OF WALL: 67.00'. BOTTOM OF WALL ELEVATION VARIES (MATCH EXISTING GRADE).
19. CORE EXISTING CATCH BASIN AT ELEVATION: 56.80'.
20. REMOVE EXISTING MANHOLE FRAME AND COVER AND RESET RIM TO ELEVATION: 66.00'.
21. CAP EXISTING 33" STORMDRAIN LINE, FILL WITH FLOWABLE FILL AND ABANDON IN PLACE.

DRAINAGE STRUCTURE SCHEDULE

STRUCTURE	NORMAL FINISH GRADE AT RIM	RIM ELEVATION	INVERT IN (SIZE)	INVERT OUT (SIZE)	REMARKS
CB1	63.95	63.85	–	60.85	
CB2	63.85	63.75	60.81	60.71	FROM CB1
–	–	–	60.81	–	FROM CB3
–	–	–	60.81	–	FROM CB4
CB3	64.47	64.37	–	61.37	
CB4	64.58	64.48	–	61.48	
CB5	63.92	63.82		60.82	
CB6	65.19	65.09	60.56	60.46	
CB7	64.50	64.40	–	61.40	
CB8	63.94	63.84	60.16	60.06	FROM CB2
–	–	–	60.16	–	FROM CB7
CB9	65.03	64.93	59.67	59.57	
CB10	65.23	65.13	59.08	58.98	FROM CB6
–	–	–	59.08	–	FROM CB9
CB11	63.00	62.90		59.82	
CB12	63.23	63.13	59.57	59.47	
CB13	63.55	63.45	58.69	58.59	FROM CB10
–	–	–	58.69	–	FROM CB12
CB14	64.90	64.80	–	59.80	
CB15	65.08	64.98	60.08	59.98	ROOF DRAIN
CB16	62.59	62.49	–	59.49	
CB17	63.92	63.82	58.21	58.11	FROM CB13
–	–	–	58.21	–	FROM CB14
CB18	62.50	62.40	57.74	57.64	FROM CB16
–	–	–	57.74	–	FROM CB19
CB19	61.85	61.75	–	58.65	TO CB18
–	–	–	–	58.75	OVERFLOW TO ECB
CB20	63.61	63.51	57.69	57.59	INV OUT TO DMH1, INV IN FROM CB15
–	–	–	57.69	58.75	INV OUT OVERFLOW TO DMH3, INV IN FROM CB15
–	–	–	57.69	–	FROM CB21
CB21	65.06	64.96	58.86	58.76	
CB22	65.71	65.61	59.55	59.45	
CB23	65.04	64.94	60.29	60.19	
CB24	64.25	64.15	–	61.15	
CB25	63.87	63.77	46.39	46.29	FROM DMH7
–	–	–	46.39	–	
CB26	64.05	64.05	50.02	49.92	FROM DMH4
–	–	–	50.02	–	
DMH1	64.55	64.65	57.46	57.36	5' DIAMETER W/ WIER, INV OUT TO ISOLATOR ROW
–	–	–	–	57.36	TO SAND FILTER CHAMBERS
DMH2	65.41	65.51	57.46	57.36	5' DIAMETER W/ WIER, INV OUT TO ISOLATOR ROW
–	–	–	–	57.36	TO SAND FILTER CHAMBERS
DMH3	65.29	65.29	54.19	54.09	FROM SAND FILTER
–	–	–	54.19	–	FROM CB20
DMH4	67.07	67.07	50.69	50.59	
DMH5	65.10	65.10	48.77	48.67	
DMH6	63.40	63.40	48.25	48.15	MATCH EXISTING GRADE
DMH7	63.83	63.83	47.50	47.40	
DMH8	55.20	55.20	46.44	46.34	MATCH EXISTING GRADE

GRASSED UNDERDRAINED SOIL FILTER SCHEDULE

TREATMENT AREA	SURFACE ELEV	MAXIMUM PONDED ELEV	TOB ELEV	SPILLWAY ELEV	DRAIN STRUCTURE	LINED	BOTTOM OF FILTER BED ELEV	PERIMETER AT BOTTOM	BOTTOM SURFACE AREA	TOP SURFACE AREA
Q1	62.89'	64.39'	65.80'	65.16'	CB26	YES	61.70'	307'	1456 SF	2901 SF
Q2	62.00'	63.00'	64.00'	63.50'	CB25	YES	60.70'	289'	1614 SF	718 SF

SAND FILTER SCHEDULE

TREATMENT AREA	TOP ELEV	CHAMBER INV	INLET INV	UNDER-DRAIN INV	BOTTOM ELEV	LENGTH 'L'	WIDTH 'W'	CHAMBER INFORMATION ROWS	#/ROW	COLLECTION PIPE SPACING TYPE	'C'	'S1'	'S2'	'S3'	LINED
Q3	59.15'	57.32'	57.36'	54.15'	53.82'	193.35'	78.77'	23	27	A	7.9'	1.0'	0.5'	1.0'	YES

GRAPHIC SCALE
40' 20' 0 40' 80'
1"=40'
CHECK GRAPHIC SCALE BEFORE USING

FOR PERMITTING PURPOSES ONLY, NOT FOR CONSTRUCTION

NO.	DATE	DESCRIPTION	BY
		REVISIONS	

DRAWN BY: MMV
CHECKED BY: JSD
NO.
DATE: 08/29/16

STATE OF MAINE
PUBLIC SCHOOL PROJECT

TITLE: PORTLAND PUBLIC SCHOOLS
NEW FRED P. HALL ELEMENTARY SCHOOL
LOCATION: 23 ORONO ROAD, PORTLAND, ME
(CHART 275, BLOCK C048, LOT 001)

TITLE THIS DWG.
NORTH GRADING, DRAINAGE AND EROSION CONTROL PLAN

OAK POINT ASSOCIATES
231 Main Street, Biddeford, Maine 04005 207.283.0193

DRAWING NO. CG101
SHEET NO. 11 OF 15

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