413,675± SQ.FT.
9.497 ACRES

REFER TO C2.0B
MATCH LINE

PROPOSED BUILDING
FF = 91.00

UPLAND REVIEW AREA

UPPER DETENTION SYSTEM

LOWER DETENTION SYSTEM

HDPE FLARED END SECTION WITH OUTLET PROTECTION; INVERT ELEVATION 87.00±

VEGETATED LEVEL SPREADER; SEE LANDSCAPE DRAWINGS FOR PLANTING INFORMATION

WETLAND AREA

RIPRAP ARMORED BERM

PRECAST CONCRETE FLARED END SECTION WITH OUTLET PROTECTION; INVERT ELEVATION 80.75

CONNECT BUILDING STORM DRAINAGE TO SITE SYSTEM; SEE PLUMBING DRAWINGS FOR CONTINUATION

CONNECT PIPING WITH PREFABRICATED FITTING, INVERT ELEVATION 88.25±

DOWNSPOUT (TYPICAL); REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION

YARD DRAIN (TYPICAL)

CONNECT TO DOWNSPOUT WITH 4" SD PVC (TYPICAL)

UNDERGROUND CORRUGATED PIPE DETENTION SYSTEM

CONNECT UNDERDRAINS TO STRUCTURE AT INVERT ELEVATION 82.85 (BOTH PIPES)

PRECAST CONCRETE DISTRIBUTION BOX (TYPICAL)

6" PERFORATED PVC UNDERDRAIN (TYPICAL)

CONNECT UNDERDRAIN TO RISER STRUCTURE (TYPICAL)

RISER STRUCTURE FOR WATER QUALITY SWALE (OUTLET DEVICE)

HYDRODYNAMIC SEPARATOR

WATER QUALITY SWALE (TYPICAL); SHADING REPRESENTS LIMITS OF SAND/LOAM MIXTURE

BYPASS MANHOLE

STORM MANHOLE (TYPICAL)

15" SD HDPE CATCH BASIN (TYPICAL)

Great Neck Road (Conn. Route 213)

Goshen Road (Town Road)

BENCHMARK
DGS MONUMENT 575
ELEV.=87.64

STATE OF CONNECTICUT D.O.T. DRAINAGE EASEMENT (SEE MAP REFERENCE 5)

SNET EASEMENT (SEE MAP REFERENCE 4)

MARLBOX

SMH TF ELEV=91.88 FL ELEV=83.48

SMH TF ELEV=89.26 FL ELEV 81.4

SMH TF ELEV=88.58 FL ELEV 76.9

SMH TF ELEV=83.73 FL ELEV 72.28

TYPE "C"CB TF ELEV=89.90 INV ELEV=87.45

TYPE "C"CB TF ELEV=88.98 INV ELEV (IN)=85.90 INV ELEV (OUT)=85.65

TYPE "C"CB TF ELEV=88.46 INV ELEV (IN)=84.78 INV ELEV (OUT)=84.79

TYPE "CL"CB TF ELEV=87.61 INV ELEV (IN)=84.56 INV ELEV (OUT)=84.46

TYPE "CL"CB TF ELEV=83.62 INV ELEV (IN)=80.76 INV ELEV (IN)=80.60 INV ELEV (OUT)=80.38

TYPE "CL"CB TF ELEV=83.46 INV ELEV (IN)=80.86 INV ELEV (OUT)=80.85

TYPE "D"CB TF ELEV=80.33 INV ELEV (IN)=78.44 INV ELEV (OUT)=78.28

GRADING AND DRAINAGE GENERAL NOTES:

1. SITE UTILITIES ARE SHOWN FOR REFERENCE ONLY. REFER TO SITE UTILITY DRAWINGS C-1.0A AND C-1.0B FOR ADDITIONAL INFORMATION.
2. REFER TO DETAIL "1/C-4.0" FOR TYPICAL PIPE TRENCH SECTION.
3. "RL" EQUALS ROOF LEADER (4" SD PVC, UNLESS OTHERWISE NOTED). PROVIDE MINIMUM OF 2% PITCH TOWARD MAIN STORM DRAINAGE SYSTEM UNLESS OTHERWISE NOTED. PROVIDE TWO (2) FEET OF COVER OVER PIPE AT CONNECTION TO DOWNSPOUT (TYPICAL).

GRAPHIC SCALE
30 0 15 30 60
(IN FEET)
1 inch = 30 ft.

21-07-082

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TEL 860-828-9223

GREAT NECK ELEMENTARY SCHOOL

BSF PROJECT NUMBER 152-0101 N

165 GREAT NECK ROAD

WATERFORD, CONNECTICUT

SITE DRAINAGE PLAN

PROJ. NO.	DRAWING NO.
JH 0414A	C-2.0A
SCALE: 1"=30'	
DATE: DEC 8, 2008	