

SURVEY NOTES:

1. ZONING INFORMATION SHOWN FROM RECORD INFORMATION, MAPS AND / OR GIS. ZONING DATA MAY VARY BASED ON USE, LOT SIZE, ORIENTATION AND OTHER FACTORS AND IS SHOWN FOR REFERENCE INFORMATION ONLY.
2. ZONING DATA MUST BE CONFIRMED WITH ZONING OFFICIAL AND / OR LEGAL COUNSEL FOR USE IN DESIGN OR PERMITTING.
3. COORDINATE SYSTEM IS NAD83 MASSACHUSETTS STATE PLANE (MASSP).
4. PLAN ELEMENTS ARE IN U.S. SURVEY FEET.
5. TOPOGRAPHY IS A TIN SURFACE CREATED BY GROUND SHOTS SURVEYED ON 4-23-25 BY NEI.
6. ELEVATIONS & LOCATION SHOWN WITH * PER GIS OR UAV DATA.
7. ALL PROPOSED ITEMS MUST BE LAID OUT BY REGISTERED SURVEYOR AS NOTED.
8. PLAN IS NOT AS-BUILT UTILITY PLAN.
9. ABUTTING PROPERTY LINES SHOWN APPROXIMATELY PER TOWN GIS OR BEST AVAILABLE INFORMATION.
10. FLOOD ZONE LINE IS SHOWN PER GRAPHIC PLOTTING ONLY, UNLESS OTHERWISE NOTED ON PLAN.
11. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT OF PROBATE SEARCH, AND IS SUBJECT TO THE RESTRICTIONS, COVENANTS AND/OR EASEMENTS THAT MAY BE CONTAINED THEREIN.
12. LOCATION OF SUBSURFACE MAINS, SURFACE FEATURES, AND LATERALS ARE OMITTED. CONTRACTOR TO CALL DIG SAFE AND/OR APPLICABLE UTILITY COMPANIES PRIOR TO ANY CONSTRUCTION. DIG SAFE TEL. # 1-800-344-7233 (1-800-DIG-SAFE).

Legend:

- A. WATER - OMITTED FROM PLAN
- B. SEPTIC - OMITTED FROM PLAN
- C. GAS - OMITTED FROM PLAN
- D. ELECTRIC - OMITTED FROM PLAN
- E. STORM DRAIN - PER FIELD DATA AND REFERENCE PLAN

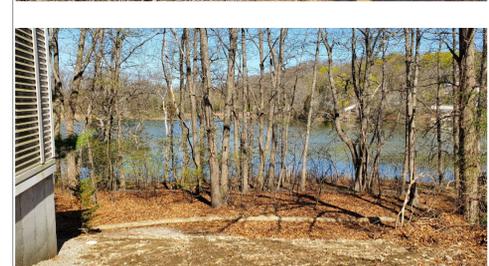
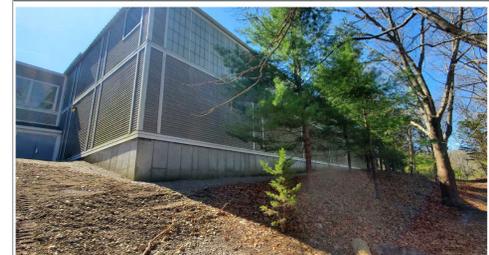
ALL UTILITIES DEPICTED AT ASCE QUALITY LEVEL D.

ALL POST-CONSTRUCTION CORRECTIVE WORK, WARRANTY, REPAIRS, OR MAINTENANCE PROVISIONS SHALL BE NOTED IN CONTRACT DOCUMENTS BETWEEN CLIENT AND CONTRACTOR(S). NO PROVISION ARE MADE IN THE PLANS UNLESS NOTED.

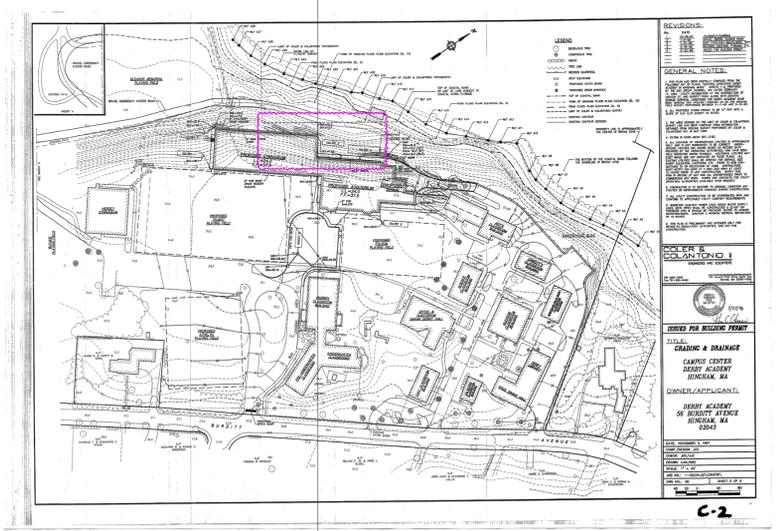
National Flood Hazard Layer FIRMette

BENCHMARK NOTE:
NEI WILL ALWAYS PROVIDE A MINIMUM OF TWO SITE BENCHMARKS. CONTRACTOR TO VERIFY ALL BENCHMARKS EXIST PRIOR TO CONSTRUCTION. ELEVATIONS OF ALL BENCHMARKS TO BE SHOT IN FIELD (WITH SUITABLE EQUIPMENT) AND DIFFERENTIAL TO BE VERIFIED. IF VERTICAL DIFFERENTIAL EXCEEDS 0.05' IT SHALL BE IMMEDIATELY REPORTED TO NEI. DIFFERENTIAL IN EXCESS OF 0.05' INDICATES THAT BENCHMARKS MAY HAVE BEEN DISTURBED AND ARE NOT SUITABLE FOR USE.

Delineation Flagging	Classification	Regulatory Setback
TCBa-1 - TCBa11	Coastal Bank (10,30) The seaward face or side of any elevated landform, other than a coastal dune, which lies at the landward edge of a coastal beach, land subject to tidal action, or other wetland.	100-foot Buffer Zone



REFERENCED PLAN PROVIDED



LEGEND

100.00'	DIMENSION - EXISTING
100.00'	DIMENSION - PROPOSED
100.00' (D)	PLAN / DEED DIMENSION
100.00' (S)	SURVEY DIMENSION
---	PROPERTY LINE - ABUTTING
---	PROPERTY LINE - EXISTING
---	PROPERTY LINE - PROPOSED
---	SETBACKS
---	GRADE CONTOUR - EXISTING
---	GRADE CONTOUR - PROPOSED
---	ELECTRIC - OVERHEAD (OHE)
---	ELECTRIC - TELEPHONE - CABLE (ETC)
---	ELECTRIC - UNDERGROUND (UGE)
---	GAS (G)
---	SANITARY SEWER (S)
---	STORM DRAIN (SD)
---	WATER
---	LIMIT OF DISTURBANCE (LOD)
---	SEDIMENT CONTROL (SED)
---	LOD / SED
---	EDGE OF PAVEMENT - EXISTING
---	FENCE - METAL
---	FENCE - WOOD
---	STONE WALL
---	BRUSH LINE (APPROXIMATE)
---	WETLAND LIMIT
---	STRUCTURE, EXISTING
---	STRUCTURE, PROPOSED
---	SPOT GRADE - EXISTING
---	SPOT GRADE - PROPOSED
---	GROUND CONTROL POINT
---	DRILL HOLE
---	GRANITE BOUND
---	REBAR / STEEL PIPE FOUND
---	SPIKE
---	WETLAND FLAG
---	COASTAL FEATURE FLAG
---	COASTAL BUFFER POST
---	FLOW ARROW
---	SOIL EVALUATION

NEI Narragansett Engineering Inc.
Civil - Survey Structural Environmental Design
3102 East Main Road, Portsmouth RI 02871
Tel. 401.683.6630 www.nei-cds.com

SHEET TITLE
Existing Conditions Plan & Demo plan

Derby Academy: 56 Burditt Ave, Hingham, MA 02043
Property Record: 56 Burditt Avenue
Hingham, MA 02043 [Plat: 49 Lot: 57, Zone: RA, Area: 21.6 Acres]
N/F: Trustees of Derby Academy

C/D
Jason Earls
Sagamore
75 Research Rd
Hingham, MA 02043
T: (781) 531-9466
E: jearls@sagamore.com

PROJECT NO.	DATE	BY
25.0126	4/24/2025	CB

DRAWING ISSUE:

- CONCEPT / DISCUSSION
- PERMITTING
- CONSTRUCTION
- AS-BUILT
- OTHER

ONLY PLANS ISSUED FOR CONSTRUCTION SHALL BE USED FOR CONSTRUCTION

CIVIL PE STAMP FOR SITE ELEMENTS ONLY (DOES NOT INCLUDE STRUCTURAL COMPONENTS)



FOR CIVIL ELEMENTS ONLY 9-4-25

FORMAL PLAN REVISIONS

No	DATE	STAGE/DESCRIPTION	BY
1	09/02/25	TOP OF COASTAL BANK ADJUSTED AS TO PWS WETLAND DATA RECEIVED 8/30/25	AS
2	09/03/25	ADD PROPOSED PLANTINGS, DIMENSIONS FROM LOD, CROSS SECTION FOR BANK PROFILE	TR

INTERNAL REVISIONS

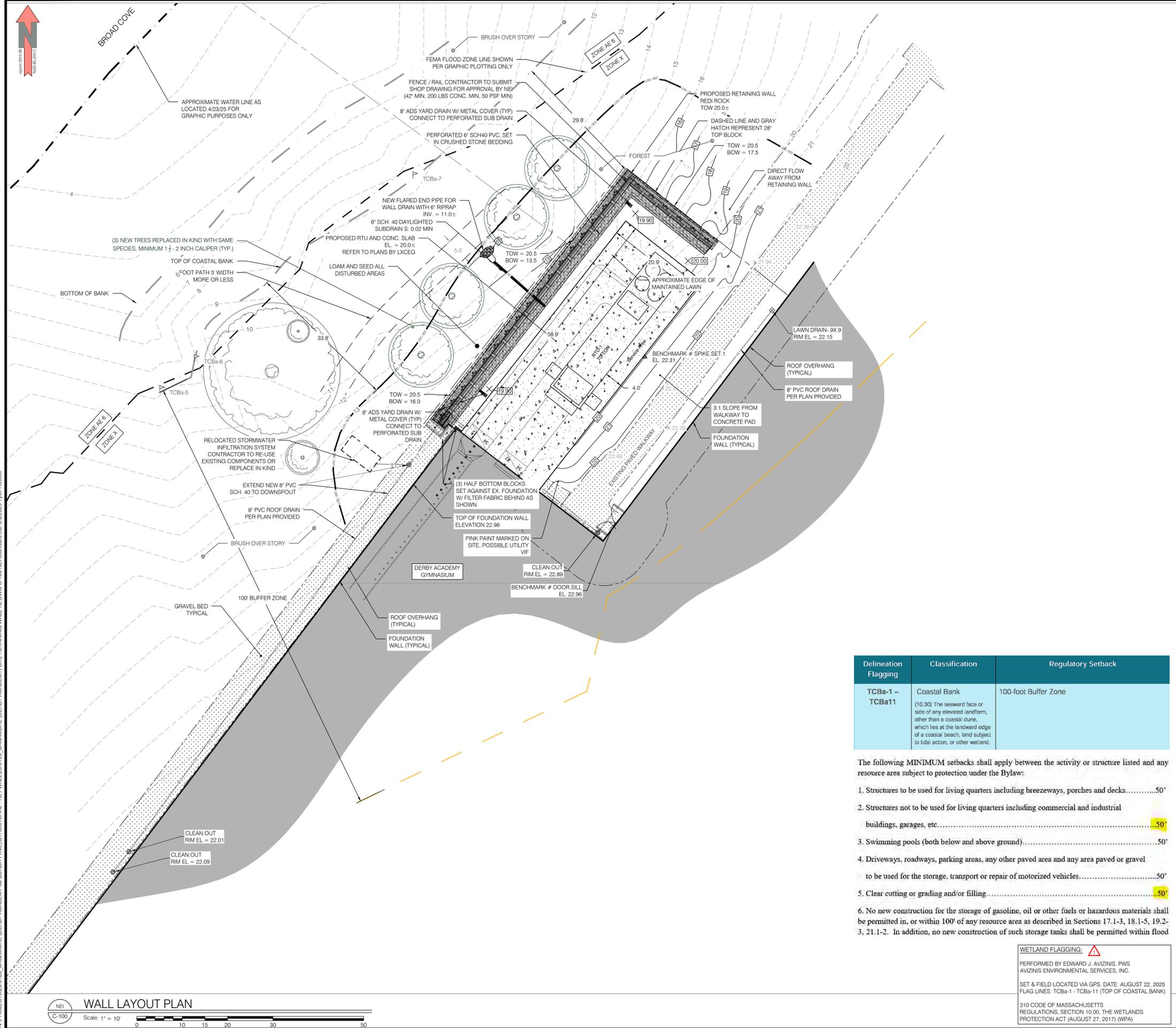
5-2-25 - ROTATE RTU AND CONCRETE PAD 90 DEGREES TO LOWER HEIGHT OF WALL, FILTER FABRIC ADDED NEAR FOUNDATION AND WALL CONNECTION

Scale: 1" = 10'

SV-100

NEI CDS.COM

N:\PROJECTS\25.0126_SAGAMORE\DERBY ACADEMY\STRUCTURAL - RET WALL\25.0126_SAGAMORE_DERBY ACADEMY SITE RETAINING WALL R2.DWG SV-100 NEI-Standard.ctb 9/3/2025 Tyler Russell



SHEET TITLE
WALL LAYOUT PLAN

Derby Academy, 56 Burditt Ave, Hingham, MA 02043
Property Record
56 Burditt Avenue
Hingham, MA 02043 [Plat: 49 Lot: 57, Zone: RA, Area: 21.6 Acres]
N/F: Trustees of Derby Academy
C/D
Jason Earls
Sagamore
75 Research Rd
Hingham, MA 02043
T: (781) 531-9466
E: jearls@sagamore.com

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INTERNAL REVISIONS

5-2-25 - ROTATE RTU AND CONCRETE PAD 90 DEGREES TO LOWER HEIGHT OF WALL. FILTER FABRIC ADDED NEAR FOUNDATION AND WALL CONNECTION



DRAWINGS MUST BE PRINTED IN COLOR TO BE VALID. THIS NOTE SHOULD BE BLUE. IF THIS NOTE IS NOT BLUE, PLEASE REPRINT IN COLOR OR CONTACT NEI.



SCALE
1" = 10'

C-100

Delineation Flagging	Classification	Regulatory Setback
TCBa-1 - TCBa11	Coastal Bank (10.30) The seaward face or side of any elevated landform, other than a coastal dune, which lies at the landward edge of a coastal beach, land subject to tidal action, or other wetland.	100-foot Buffer Zone

The following MINIMUM setbacks shall apply between the activity or structure listed and any resource area subject to protection under the Bylaw:

- Structures to be used for living quarters including breezeways, porches and decks.....50'
- Structures not to be used for living quarters including commercial and industrial buildings, garages, etc.....50'
- Swimming pools (both below and above ground).....50'
- Driveways, roadways, parking areas, any other paved area and any area paved or gravel to be used for the storage, transport or repair of motorized vehicles.....50'
- Clear cutting or grading and/or filling.....50'
- No new construction for the storage of gasoline, oil or other fuels or hazardous materials shall be permitted in, or within 100' of any resource area as described in Sections 17.1-3, 18.1-5, 19.2-3, 21.1-2. In addition, no new construction of such storage tanks shall be permitted within flood

WETLAND FLAGGING:
PERFORMED BY EDWARD J. AVIZINIS, PWS AVIZINIS ENVIRONMENTAL SERVICES, INC.
SET & FIELD LOCATED VIA GPS. DATE: AUGUST 22, 2025
FLAG LINES: TCBa-1 - TCBa-11 (TOP OF COASTAL BANK)
310 CODE OF MASSACHUSETTS REGULATIONS, SECTION 10.00, THE WETLANDS PROTECTION ACT (AUGUST 27, 2017) (WPA)

LEGEND

---	100.00'	DIMENSION - EXISTING
---	100.00'	DIMENSION - PROPOSED
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---		WATER
---		LIMIT OF DISTURBANCE (LOD)
---		SEDIMENT CONTROL (SED)
---		LOD / SED
---		EDGE OF PAVEMENT - EXISTING
---		FENCE - METAL
---		FENCE - WOOD
---		STONE WALL
---		BRUSH LINE (APPROXIMATE)
---		WETLAND LIMIT
		CATCH BASIN
		DRAINAGE MANHOLE
		SANITARY MANHOLE
		ELECTRICAL MANHOLE
		TELEPHONE MANHOLE
		WELL
		GATE VALVE
		WATER SHUT OFF
		FIRE HYDRANT
		ELECTRIC BOX (ETC)
		UTILITY POLE
		DOWNSPOUT
		BENCHMARK
		DETAIL REFERENCE
		STRUCTURE, EXISTING
		STRUCTURE, PROPOSED
	4.24	SPOT GRADE - EXISTING
	4.24	SPOT GRADE - PROPOSED
		GROUND CONTROL POINT
		DRILL HOLE
		GRANITE BOUND
		REBAR / STEEL PIPE FOUND
		SPIKE
		WETLAND FLAG
		COASTAL FEATURE FLAG
		COASTAL BUFFER POST
		FLOW ARROW
		SOIL EVALUATION

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SHEET TITLE
CROSS SECTION AND CIVIL NOTES

Derby Academy, 56 Burditt Ave, Hingham, MA 02043
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CIVIL PE STAMP FOR SITE ELEMENTS ONLY (DOES NOT INCLUDE STRUCTURAL COMPONENTS)



FOR CIVIL ELEMENTS ONLY 94-25

FORMAL PLAN REVISIONS

NO	DATE	STAGE/DESCRIPTION	BY
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INTERNAL REVISIONS

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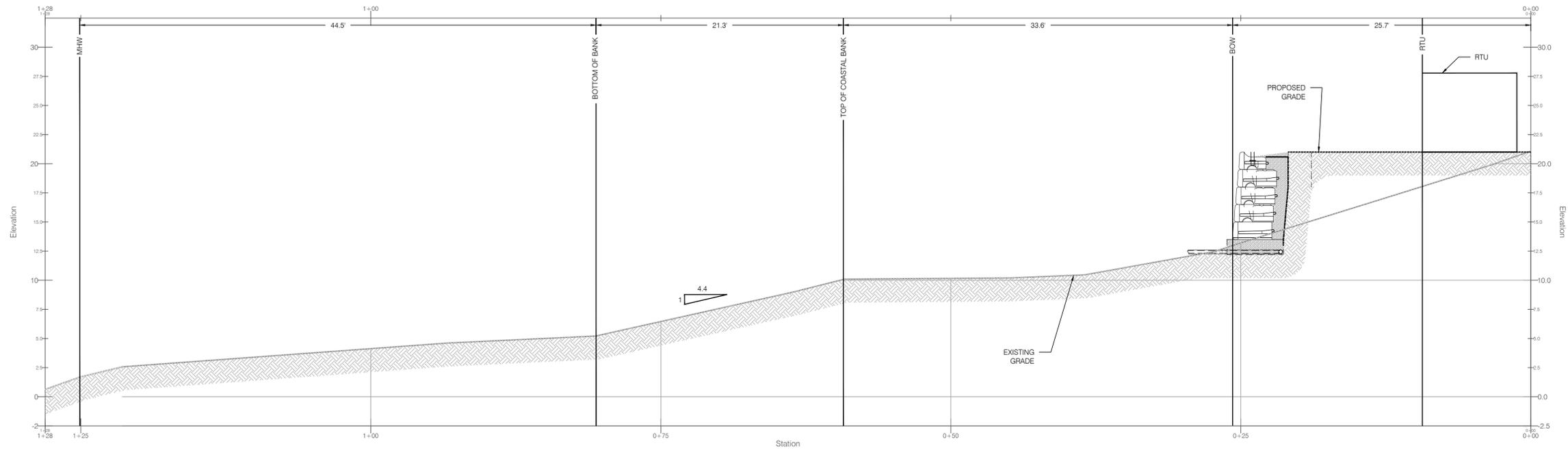
nei-cds.com

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SCALE AS INDICATED **C-101**

ELEVATION VIEW



CROSS SECTION PLAN
Scale: 1" = 5'
0 5 7.5 10 15 25

NOTE:
SECTION PREPARED FOR USE IN A CONSERVATION COMMISSION APPLICATION ONLY. REFER TO C-200 FOR STRUCTURAL CROSS SECTIONS

- RETAINING WALL NOTES:**
- STRIP ALL VEGETATION, ORGANIC SOILS AND UNSUITABLE FILL SOILS FROM THE WALL AND GRID ALIGNMENT AREA.
 - BENCH CUT ALL EXCAVATED SLOPES.
 - DO NOT OVER EXCAVATE UNLESS DIRECTED TO DO SO BY THE OWNERS SITE REPRESENTATIVE IN ORDER TO REMOVE UNSUITABLE SOIL. IF OVER EXCAVATING IN ORDER TO IMPROVE BEARING CAPACITY, THE EXCAVATION SHALL EXTEND AT 1H:1V (FROM THE WALL BASE UNIT) IN FRONT OF THE WALL FACE AND AT LEAST AS FAR BEHIND THE WALL AS THE LONGEST GEOGRID LENGTH.
 - THE OWNERS SITE REPRESENTATIVE SHALL VERIFY FOUNDATION SOILS AS BEING COMPETENT PER THE DESIGN STANDARDS AND PARAMETERS.
 - LEVELING PAD SHALL CONSIST OF 3/4" CRUSHED STONE OR COMPACTED GRAVEL, MINIMUM 6" DEPTH. A THIN PAD (MAX. 3" THICK) OF MAX. 2000 psf UNREINFORCED CONCRETE MAY BE SUBSTITUTED. IN EITHER CASE THE SUBGRADE MUST BE COMPACTED PRIOR TO PLACING THE CONCRETE.
 - EMBEDMENT OF WALL BELOW FINISH GRADE SHALL BE AS INDICATED ON THE WALL FACE DRAWING(S).
 - FOLLOW APPLICABLE PROVISIONS OF THE MANUFACTURERS INSTALLATION INSTRUCTIONS AND WRITTEN SPECIFICATIONS, ESPECIALLY WITH REGARDS TO LEVELING OF BLOCKS AND BASE.
 - DRAINAGE FILL MIN. 12" THICK SHALL BE INSTALLED BEHIND THE WALL. THIS MATERIAL SHALL BE CLEAN 3/4" CRUSHED STONE.
 - WHERE PERFORATED HOLE DRAINS ARE USED, PROVIDE OUTLETS AT THE ENDS OF THE WALL AND AT 40' INTERVALS, OR TIE TO A CLOSED DRAINAGE SYSTEM. (ALTERNATE OUTLET METHODS MAY BE APPROVED BY THE DESIGN ENGINEER.)
 - BACKFILL AND COMPACT THE FILL MATERIAL BEHIND THE WALL AS THE WALL IS INSTALLED.
 - COMPACTION TESTS SHALL BE TAKEN AS THE WALL IS INSTALLED. THE MINIMUM NUMBER OF TESTS SHALL BE DETERMINED BY THE OWNERS SITE REPRESENTATIVE.
 - COMPACTION SHALL BE TO 95% OF MAXIMUM STANDARD PROCTOR DENSITY (92% MODIFIED, ASTM D-1557) OF THE FILL MATERIAL.
 - GEOGRID CUT LENGTHS AS SHOWN ON THE WALL FACE DRAWING(S) ARE MEASURED FROM THE FRONT FACE OF THE WALL.
 - ROLL GEOGRID OUT FROM THE WALL FACE AND PULL GEOGRID TIGHT PRIOR TO BACKFILLING.
 - THE PREFERRED LOCATION FOR GUARDRAIL/FENCE INSTALLATION IS BEYOND THE LENGTH OF THE GEOGRID. WHERE THIS CANNOT BE ACCOMPLISHED, THE FOLLOWING ALTERNATIVES ARE AVAILABLE FOR POST INSTALLATION:
15.1. ALTERNATIVE # 1: FOR FENCE POSTS LOCATED LESS THAN 3 FEET FROM THE REAR OF THE WALL BLOCK USE THE "SLEEVE-IT" FENCE POST INSTALLATION SYSTEM (CONTACT AT 1-800-883-3042). THIS PROCEDURE INVOLVES THE USE OF THE "SLEEVE-IT" POST RISER AND SUPPORT STRUTS AND IS INSTALLED WHEN THE WALL IS APPROX. 24" BELOW ITS FINISHED GRADE.
15.2. ALTERNATIVE #2:
15.2.1 FOR GUARDRAILS/FENCES INSTALLED WHERE GEOGRID IS LESS THAN 19' FROM THE SURFACE, THE SOIL ABOVE THE GEOGRID IS TO BE EXCAVATED AND THE GEOGRID HAND-CUT. THE HOLE CUT IN THE GRID IS TO BE JUST LARGE ENOUGH FOR THE POST INSTALLATION. IF THE POST EXTENDS THROUGH FURTHER GRID LAYERS, IT MAY BE DRIVEN THROUGH ADDITIONAL LAYERS. PROVIDED THE DRIVEN END IS TAPERED IN SOME FORM TO PROVIDE A POINT. SQUARE-EDGE POSTS SHALL NOT BE DRIVEN THROUGH GEOGRID LAYERS. DRIVING WOOD POSTS IN CLOSE PROXIMITY TO THE REAR OF THE WALL MAY PUSH THE WALL FACE OUTWARD DUE TO DISPLACED SOIL.
15.2.2 FOR GUARDRAILS/FENCES INSTALLED WHERE GEOGRID IS MORE THAN 19' FROM THE SURFACE, THE POST MAY BE DRIVEN THROUGH THE GRID LAYER(S). PROVIDED THE DRIVEN END IS TAPERED IN SOME FORM TO PROVIDE A POINT. SQUARE-EDGE POSTS SHALL NOT BE DRIVEN THROUGH GEOGRID LAYERS. DRIVING WOOD POSTS IN CLOSE PROXIMITY TO THE REAR OF THE WALL MAY PUSH THE WALL FACE OUTWARD DUE TO DISPLACED SOIL. ACCEPTABLE. PROVIDED GEOGRID LAYERS WITHIN 19' OF THE SURFACE ARE HAND-CUT PRIOR TO AUGERING THE HOLE. IF THE POSTS ARE TO BE SLEEVED AND SET IN CONCRETE, ALL GRID LAYERS MUST BE HAND CUT, WITH THE CUT HOLES JUST LARGE ENOUGH TO PROVIDE ROOM FOR THE SLEEVE. USE OF A HAND-OPERATED POST-HOLE SHOVEL TO CUT THROUGH GEOGRID IS ACCEPTABLE FOR GRID LAYERS DEEPER THAN 15' FROM THE SURFACE. THE PREFERRED MINIMUM DISTANCE FROM THE BACK OF THE WALL TO A GUARDRAIL POST IS 2 FEET. UTILIZING A 6-FOOT POST DEPTH. IF THE GUARDRAIL MUST BE CLOSER THAN 2 FEET FROM THE BACK OF THE WALL, SIGNIFICANTLY DEEPER POST DEPTHS AND/OR ALTERNATIVE METHODS OF INSTALLATION MAY BE REQUIRED. EVALUATION OF THE STRUCTURAL CAPABILITIES OF ANY GUARDRAIL OR FENCE SYSTEM INSTALLED AT THIS SITE WAS NOT PART OF THIS DESIGN.
 - PROVIDE LATERAL DRAINAGE SWALES TO DIRECT FLOWS AROUND THE ENDS OF THE WALL AND AWAY FROM THE WALL DURING CONSTRUCTION. DO NOT CONSTRUCT SWALE BEHIND WALLS AS PART OF FINISHED CONSTRUCTION. GRADE TO ALLOW WATER TO FLOW OVER WALL FACE (OR TO A POINT MORE THAN 10 FEET BEYOND THE LONGEST GEOGRID LENGTH).
 - TURF, OR SOME ACCEPTABLE FORM OF SOIL EROSION PROTECTION, SHOULD BE ESTABLISHED AT THE TOP OF THE WALL AS SOON AS POSSIBLE AFTER THE WALL HAS BEEN COMPLETED.
 - FINAL WALL ALIGNMENT SHALL BE LOCATED IN THE FIELD BY THE OWNERS SITE REPRESENTATIVE.
 - RECOMMENDED COMPACTION EQUIPMENT WITHIN 15 FEET OF THE BACK OF THE WALL IS AS FOLLOWS:
0 - 4 FEET HAND TAMP OR VIBRATORY PLATE COMPACTOR
4 - 15 FEET NOTHING LARGER THAN TWO-DRUM, WALK-BEHIND VIBRATORY ROLLER (LARGER ROLLERS CAN BE USED STATICALLY, PROVIDED LIFT SIZE DOES NOT COMPROMISE ACHIEVEMENT OF NECESSARY COMPACTION RATES).
 - WHERE CATCH BASINS ARE PLACED IN CLOSE PROXIMITY TO THE WALL, THE CONTRACTOR SHOULD CONSIDER THE USE OF ECCENTRIC CONES IN ORDER TO MINIMIZE THE POSSIBLE IMPACT OF THE STRUCTURE ON THE WALL AND THE GEOGRID LAYERS.
 - ANY PLANTINGS SET BEHIND THE WALLS SHALL BE PLACED WITHOUT CUTTING OF THE GEOGRID REINFORCEMENT LAYERS. THIS CAN BE ACCOMPLISHED BY SETTING PLANTINGS ABOVE THE GEOGRID LAYERS OR BEYOND THE LIMITS OF THE GEOGRID LAYERS.
 - WHERE ANGLES IN THE RETAINING WALL ARE SHOWN, THE CONTRACTOR MAY CHOOSE TO CONSTRUCT THE WALL USING A CURVED FACE (AS DETAILED ON SHEET 1) AS OPPOSED TO THE SHARP ANGLE DEPICTED IN THE PLAN VIEW DRAWING. CURVES IN SEGMENTAL RETAINING WALLS REQUIRE LESS CUTTING OF BLOCK DURING CONSTRUCTION. USE OF CURVES IN PLACE OF SHARP ANGLES MUST BE APPROVED BY THE OWNERS SITE REPRESENTATIVE.
 - FOR PIPES WHICH OUTLET THROUGH THE WALL, THE SPACE NEEDED TO SQUARE-OFF THE PIPE TO THE WALL MAY BE FILLED WITH NON-SHRINK MORTAR, BLOCKS CUT TO SIZE OR OTHER APPROVED SEALANT METHOD TO PREVENT MIGRATION OF FINES THROUGH GAPS AROUND THE PIPE. A GRANITE OR CONCRETE LINTEL IS AN APPROVED METHOD OF SPANNING THE PIPE FOR SUPPORT OF THE WALL ABOVE.
 - ANY UTILITY LINE HAVING A DIAMETER GREATER THAN 4" AND PASSING UNDER A RETAINING WALL MUST HAVE A MINIMUM CLEARANCE OF 24" BETWEEN THE WALL BASE COURSE AND THE CROWN OF THE UTILITY LINE. WHERE THIS MINIMUM CLEARANCE CANNOT BE ACHIEVED, A GRANITE OR CONCRETE HEADER SHALL BE INSTALLED OVER THE PIPE. THIS HEADER SHALL EXTEND AT LEAST 24" BEYOND BOTH SIDES OF THE PIPE, RUNNING ALONG THE WALL BASE. THE HEADER SHALL BE AT LEAST 12" DEEP (TO MATCH THE WALL DEPTH) AND BE CENTERED BENEATH THE WALL BASE. THE HEADER SHALL BE AT LEAST 6" IN HEIGHT.
 - THE LOCATIONS, SIZES AND HEADWALL CONFIGURATIONS OF ANY PIPE/CULVERT SHOWN ON THESE DRAWINGS WERE TAKEN FROM INFORMATION SUPPLIED BY OTHERS. THE CONTRACTOR SHALL REFER TO DRAWINGS PREPARED BY THE SITE DESIGN ENGINEER FOR SPECIFIC SIZE, LOCATION AND CONFIGURATION INFORMATION OF ALL SITE UTILITIES.
 - THESE WALLS HAVE BEEN DESIGNED WITH CONSIDERATION OF SEISMIC LOADINGS.
 - WALL MUST BE INSTALLED BY QUALIFIED CONTRACTOR WITH EXPERIENCE IN AT LEAST 5 PROJECTS USING REDI ROCK WALLS OF SIMILAR HEIGHT AND SCALE
 - WALLS SHALL CONFORM ALL MANUFACTURER REQUIREMENTS AN INSTALLATION PROCEDURES

- MADOT AGGREGATE NOTES:**
- GRAVEL BORROW, GRAVEL BORROW SHALL CONSIST OF BANK RUN SAND AND GRAVEL OR PLANT PROCESSED, CRUSHED OR UNCRUSHED GRAVEL WITH FINE AGGREGATE ADDED AS FILLER. ALTERNATIVELY, GRAVEL BORROW MAY CONSIST OF SELECTED MATERIALS WHICH HAVE BEEN RECLAIMED FROM WITHIN PROJECT LIMITS, ARE PROPORTIONED AND PROCESSED TO PRODUCE GRANULAR MATERIAL, FOR REUSE AS GRAVEL BORROW WITHIN THE SOURCE PROJECT LIMITS. GRAVEL BORROW, WHETHER CONSISTING OF BANK RUN OR PLANT PROCESSED SAND AND GRAVEL, OR RECLAIMED AND PROCESSED GRANULAR MATERIAL, SHALL CONSIST OF SOUND, DURABLE PARTICLES FREE FROM LOAM, CLAY, ORGANIC SOIL, VEGETATIVE MATTER, SOFT AND ELONGATE PARTICLES. GRAVEL BORROW SHALL CONFORM TO ALL APPLICABLE SPECIFICATION REQUIREMENTS PRIOR TO ITS FINAL PLACEMENT ON THE PROJECT. THE PRACTICE OF CULLING DELETERIOUS OR OUT OF SPECIFICATION MATERIAL AFTER PLACEMENT AND/OR GRADING IN-PLACE WILL NOT BE ALLOWED.
- BANK RUN OR PLANT-PROCESSED SAND AND GRAVEL: BANK RUN OR PLANT-PROCESSED SAND AND GRAVEL PROPOSED FOR GRAVEL BORROW SHALL BE WELL-GRADED AND MEET THE GRADATION REQUIREMENTS SPECIFIED IN MADOT M1 03-30. IN ADDITION, THE MAXIMUM PARTICLE SIZE SHALL NOT EXCEED 9 INCHES OR THREE-FOURTHS OF THE LOOSE LIFT THICKNESS, WHICHEVER IS SMALLER

- STORMWATER NOTE:**
SITE MAY BE SUBJECT TO CONSERVATION COMMISSION PERMITTING REQUIREMENTS. PERMITTING IF REQUIRED SHALL BE DONE BY CLIENT.
- ALL POST-CONSTRUCTION CORRECTIVE WORK, WARRANTY, REPAIRS, OR MAINTENANCE PROVISIONS SHALL BE NOTED IN CONTRACT DOCUMENTS BETWEEN CLIENT AND CONTRACTOR(S). NO PROVISION ARE MADE IN THE PLANS UNLESS NOTED.
- NO STORMWATER DESIGN HAS BEEN PERFORMED FOR THIS EFFORT

SHEET TITLE

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N/F: Trustees of Derby Academy

C/O
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DRAWING ISSUE:

<input type="checkbox"/>	CONCEPT / DISCUSSION
<input type="checkbox"/>	PERMITTING
<input checked="" type="checkbox"/>	CONSTRUCTION
<input type="checkbox"/>	AS-BUILT
<input type="checkbox"/>	OTHER

ONLY PLANS ISSUED FOR CONSTRUCTION SHALL BE USED FOR CONSTRUCTION



FORMAL PLAN REVISIONS

No	DATE	STAGE/DESCRIPTION	BY
1	09/02/25	TOP OF COASTAL BANK ADJUSTED AS TO PWS WETLAND DATA RECEIVED 8/30/25. 100' BUFFER ZONE ADDED	

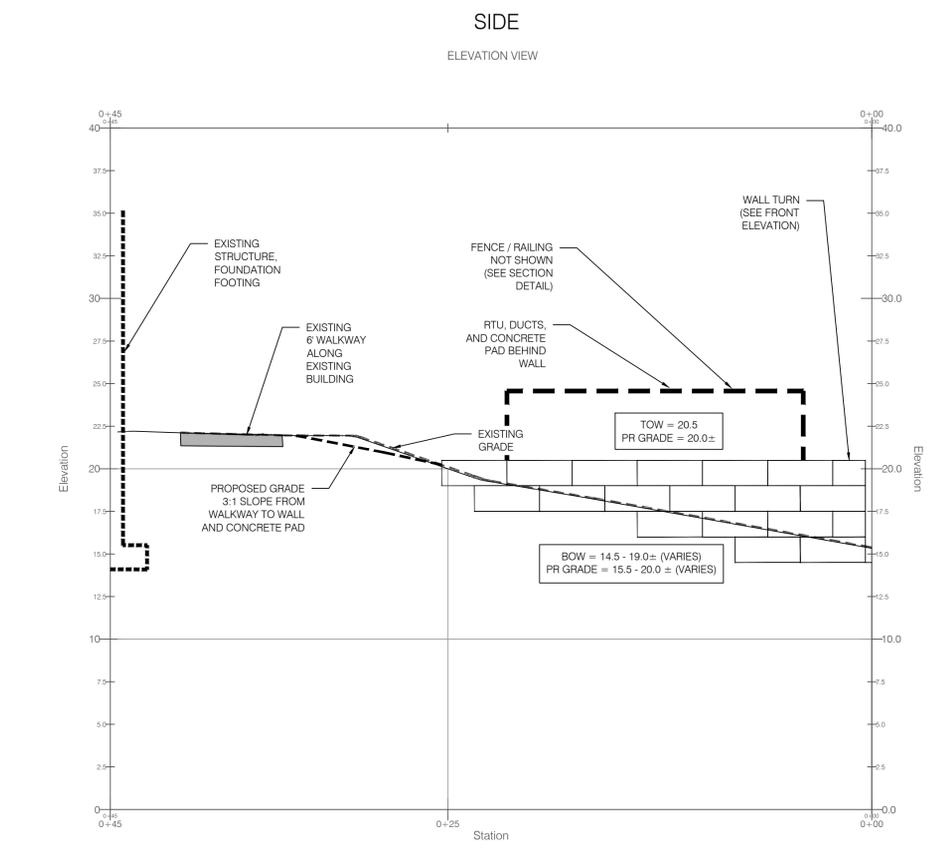
INTERNAL REVISIONS

5-2-25 - ROTATE RTU AND CONCRETE PAD 90 DEGREES TO LOWER HEIGHT OF WALL. FILTER FABRIC ADDED NEAR FOUNDATION AND WALL CONNECTION

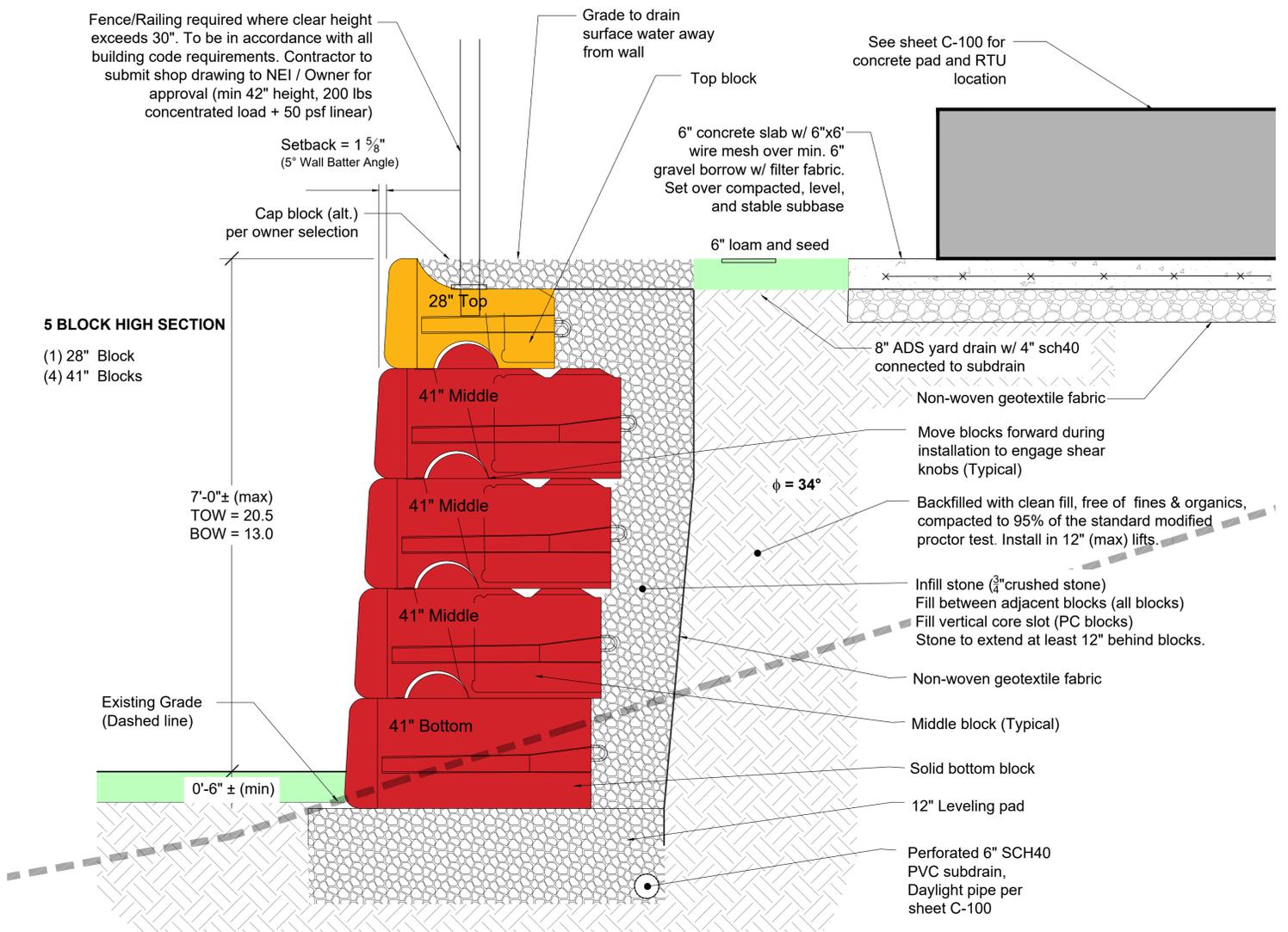
Drawings must be printed in color or to be valid. This note should be blue. If this note is not blue, please reprint in color or contact NEI.



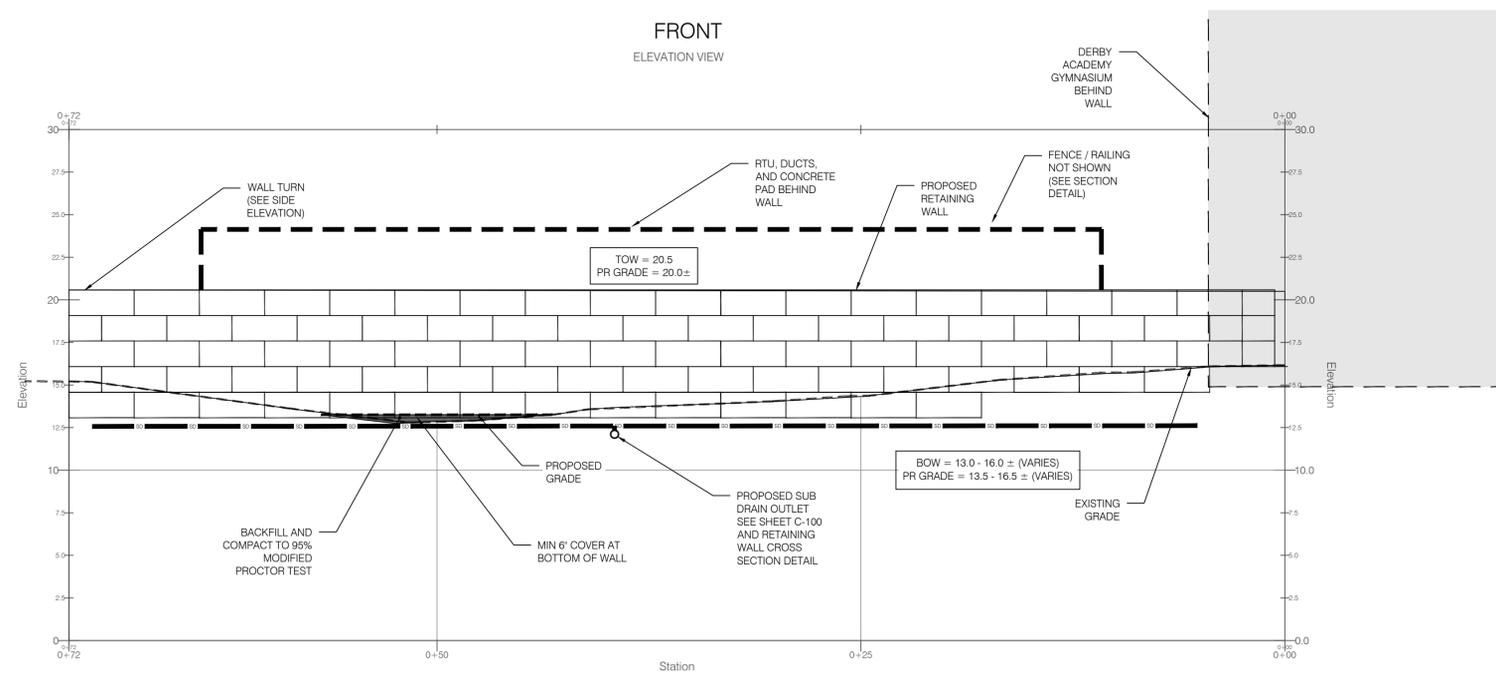
SCALE N/A **C-200**



RETAINING WALL SIDE ELEVATION
Scale: 1" = 5'



RETAINING WALL SECTION
Scale: 1" = 1'



RETAINING WALL FRONT ELEVATION
Scale: 1" = 5'

N:\PROJECTS\25.0126_SAGAMORE (DERBY ACADEMY)\STRUCTURAL - RET WALL\25.0126_SAGAMORE (DERBY ACADEMY) SITE RETAINING WALL RI DWG C-200 NEI-Standard.dwg 9/2/2025 Ashley Stiebkins

EROSION AND SEDIMENT CONTROL NOTES:

- ALL EROSION CONTROL SHALL BE IN ACCORDANCE WITH RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST REVISION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF ALL SEDIMENT AND EROSION CONTROL MEASURES SHOWN ON THESE PLANS.
- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED ONCE WEEKLY OR AFTER EVERY RAINFALL EVENT GREATER THAN 0.25 INCHES.
- SEDIMENT BUILD UP GREATER THAN ONE-HALF THE BARRIER HEIGHT SHALL BE REMOVED AND DISPOSED OF PROPERLY AS REQUIRED. ANY SEDIMENT BUILD UP OUTSIDE OF THE SEDIMENT BARRIER SHALL BE REMOVED IMMEDIATELY.
- CONTRACTOR SHALL MAINTAIN A RESERVE OF EROSION CONTROL MATERIALS FOR EMERGENCY USE AND ROUTINE MAINTENANCE.
- THE CONTROLS SHOWN ON THESE PLANS ARE INTENDED AS MINIMUM MEASURES. ADDITIONAL MEASURES MAY BE REQUIRED AND SHALL BE IMPLEMENTED BY THE CONTRACTOR IF WARRANTED OR REQUESTED BY THE OWNER, OWNER REPRESENTATIVE, ENGINEER, OR ANY APPLICABLE REGULATING AGENCY.
- PRIOR TO THE START OF ANY LAND CLEARING / GRUBING OR OTHER CONSTRUCTION ACTIVITY THE PERIMETER CONTROLS SHALL BE PLACED, PROPERLY CONSTRUCTED AND CLEARLY VISIBLE. THESE CONTROLS SHALL REPRESENT THE LIMITS OF WORK AND WORKERS SHALL BE NOTIFIED THAT NO CONSTRUCTION ACTIVITY IS ALLOWED BEYOND THESE CONTROLS.
- IF OR AS POSSIBLE CONSTRUCTION SHALL BE PHASED TO LIMIT TO THE MAXIMUM EXTENT PRACTICABLE THE AMOUNT OF EXPOSED SOILS. ALL DISTURBED AREAS SHALL BE TEMPORARILY OR PERMANENTLY STABILIZED WITHIN 14 DAYS OF COMPLETION OF GRADING ACTIVITIES.
- THE CONTRACTOR SHALL SCHEDULE WORK IN A WAY TO ALLOW POSITIVE DRAINAGE OF SUBGRADE THROUGHOUT CONSTRUCTION.
- CONSTRUCTION ENTRANCES PER RIDOT STANDARD DETAIL 9.9.0 SHALL BE EMPLOYED AT ALL POINTS OF INGRESS AND EGRESS FROM THE SITE.
- TEMPORARY DIVERSIONS, SEDIMENT BASINS, AND TEMPORARY SWALES MAY BE USED AND SHALL BE SIZED ACCORDING TO THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK.
- CATCH BASINS AND STORM DRAINS SHALL BE PROTECTED PER RIDOT STANDARD DETAIL 9.8.0 IN GRASSED AREAS OR SEDIMENT BAGS IN PAVED AREAS.
- TEMPORARY SEDIMENT STOCK PILES SHALL BE KEPT MOIST AND COVERED AT ALL TIMES. CALCIUM CHLORIDE SHALL ONLY BE USED IF AN APPROVAL FROM THE TOWN/CITY OR OTHER APPLICABLE AGENCY HAS BEEN GRANTED.
- DEWATERING FROM EXCAVATIONS WILL BE CONVEYED BY HOSE TO AN UPLAND AREAS AND DISCHARGED INTO A DEWATERING BASIN PER RIDOT STANDARD 9.7.0, HAYBALE CORRALS, OR SEDIMENTATION BAGS. THE CONTRACTOR SHALL ENSURE THAT NO CONTAMINATE IS PRESENT IN ANY WATERS PRIOR TO DISCHARGE FROM SITE AND IS RESPONSIBLE FOR ALL ENGINEERING, EQUIPMENT, MATERIAL AND LABOR REQUIRED FOR THE SITE WATER REMOVAL DURING CONSTRUCTION.
- CONSTRUCTION WASTE MATERIALS SHALL BE KEPT ON-SITE AND DISPOSED OF IN AN APPROVED AND APPROPRIATE MANNER IN ACCORDANCE WITH ALL APPLICABLE REGULATORY AGENCIES.
- RRIPAP SHALL BE USED WHERE NECESSARY TO CONTROL EXIT VELOCITIES.
- NON MOBILE (I.E. TRACKED MACHINERY) SHALL BE MAINTAINED WITHIN THE LIMIT OF DISTURBANCE DEFINED BY SEDIMENT BARRIER.
- NEWLY VEGETATED AREAS SHALL BE REGULARLY INSPECTED AND MAINTAINED TO ENSURE ESTABLISHMENT OF APPROPRIATE VEGETATION.
- THE CONTRACTOR SHALL NOT REMOVE ANY EROSION AND SEDIMENTATION CONTROL MEASURES UNTIL FINAL ACCEPTANCE OF THE SITE HAS OCCURRED.
- ALL DRAINAGE STRUCTURES SHALL BE CLEARED OF ACCUMULATED SEDIMENT PRIOR TO THE FINAL SITE ACCEPTANCE.
- TEMPORARY VEGETATIVE COVER SHALL BE APPLIED TO ANY DISTURBED AREAS (INCLUDING SOIL STOCKPILE AREAS) THAT HAVE NOT YET REACHED FINISH GRADE AS SOON AS POSSIBLE, BUT NOT MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT AREA HAS A TEMPORARY ASSIST UNLESS THE ACTIVITY IS TO RESUME WITHIN 21 DAYS. THE RECOMMENDED TEMPORARY SEATING DATES ARE MARCH 15 TO NOVEMBER 15 WITH THE APPROVAL OF THE ENGINEER THIS TEMPORARY VEGETATIVE COVER SHALL CONSIST OF 60% OF ANNUAL OR PERENNIAL RYEGRASS AND 40% OF MULLET OR SUDAN GRASS OR 100% OF WINTER RYE. ANNUAL OR PERENNIAL RYEGRASS SHALL BE PLANTED AT THE RATE OF 1.5 POUNDS PER 1000 FT². WINTER RYE SHALL BE PLANTED AT A RATE OF 2.5 POUNDS PER 1000 FT², AND MILLET OR SUDAN GRASS SHALL BE PLANTED AT A RATE OF 1 POUND PER 1000 FT².

LIMESTONE AND FERTILIZER SHALL BE APPLIED ACCORDING TO SOIL TEST RECOMMENDATIONS OFFERED BY THE UNIVERSITY OF RHODE ISLAND SOIL TESTING LABORATORY. IF SOIL TESTING IS NOT FEASIBLE ON SMALL OR VARIABLE SITES, OR WHERE TIMING IS CRITICAL, FERTILIZER MAY BE APPLIED AT THE RATE OF 300 POUNDS PER ACRE OR 7 1/2 POUNDS PER 1000 FT² OF 10 - 10-10 OR EQUIVALENT. APPLY LIMESTONE EQUIVALENT TO 50% CALCIUM PLUS MAGNESIUM OXIDE AS FOLLOWS: (1) 3 TONS PER ACRE OR 135 POUNDS FOR 1000 FT² FOR CLAY, CLAY LOAM, AND HIGH ORGANIC SOIL; (2) 2 TONS PER ACRE OR 90 POUNDS FOR 1000 FT² FOR SANDY LOAM, LOAM, SILTY LOAM, AND (3) 1 TON PER ACRE OR 45 POUNDS PER 1000 FT² FOR CLAY, CLAY LOAM, AND HIGH ORGANIC SOIL. 3 TONS PER ACRE OR 135 POUNDS PER 1000 FT² FOR SANDY LOAM, LOAM, OR SILT LOAM; AND 2 TONS PER ACRE OR 90 POUNDS PER 1000 FT² LET ME SAND OR SAND.

75% OF RED FESCUE	APPLICATION RATE: 1.75 LBS/ 1,000 SF
15% OF KENTUCKY BLUEGRASS	APPLICATION RATE: 0.35 LBS/ 1,000 SF
5% COLONIAL BENTGRASS	APPLICATION RATE: 0.11 LBS/ 1,000 SF
5% OF PERENNIAL RYEGRASS	APPLICATION RATE: 0.11 LBS/ 1,000 SF

LIMESTONE AND FERTILIZER SHALL BE APPLIED ACCORDING TO SOIL TEST RECOMMENDATIONS OFFERED BY THE UNIVERSITY OF RHODE ISLAND SOIL TESTING LABORATORY. IF SOIL TESTING IS NOT FEASIBLE ON SMALL OR VARIABLE SITES, OR WHERE TIMING IS CRITICAL, FERTILIZER MAY BE APPLIED AT A RATE OF 500 POUNDS PER ACRE OR 11.5 POUNDS PER 1000 FT² OF 10-20 DASH 20 OR EQUIVALENT. APPLY LIMESTONE EQUIVALENT TO 50% CALCIUM PLUS MAGNESIUM OXIDE AS FOLLOWS: 4 TONS PER ACRE OR 180 POUNDS PER 1000 FT² FOR CLAY, CLAY LOAM, AND HIGH ORGANIC SOIL; 3 TONS PER ACRE OR 135 POUNDS PER 1000 FT² FOR SANDY LOAM, LOAM, OR SILT LOAM; AND 2 TONS PER ACRE OR 90 POUNDS PER 1000 FT² LET ME SAND OR SAND.

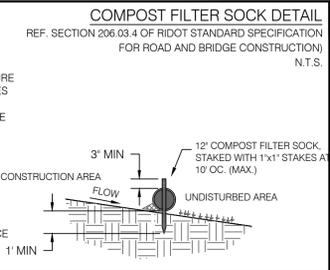
NOTE:
THE USE OF HAY IS NOT ALLOWED. ALL REFERENCES TO HAY, SHALL BE TAKEN TO MEAN STRAW.

DEMOLITION NOTES:

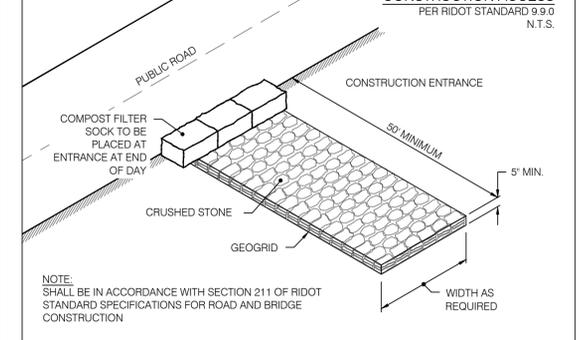
- THE CONTRACTOR SHALL COORDINATE ALL DEMOLITION OF STRUCTURES, PAVEMENT, CONCRETE MATERIALS AND UTILITIES WITH THE PROPOSED SITE, UTILITY, LANDSCAPING, AND ARCHITECTURAL DRAWINGS.
- ALL NOTED UTILITIES TO BE REMOVED AND DISPOSED OF, RELOCATED OR CAPPED REPRESENT ALL KNOWN SITE CONDITIONS TO BE DEMOLISHED. CONTRACTOR SHALL COORDINATE ALL UNFORESEEN CONDITIONS WITH THE PROJECT ENGINEER, ARCHITECT, OWNER REPRESENTATIVE AND/OR AFFECTED UTILITIES COMPANY.
- THERE SHALL BE NO INTERRUPTION OF UTILITY SERVICE DURING THE CONSTRUCTION PROCESS WITHOUT THE WRITTEN PERMISSION OF THE OWNER OR OWNERS REPRESENTATIVE.
- WATER, SEWER, DRAINAGE AND OTHER SITE UTILITIES SERVICING THE EXISTING FACILITIES ARE TO REMAIN ACTIVE UNTIL PROPOSED IMPROVEMENTS ARE CONSTRUCTED AND ONLINE. WHEN CONNECTION TO ACTIVE OR RELOCATED UTILITIES, SHUTDOWNS SHALL BE MINIMIZED AND COMPLETED OFF HOURS AND COORDINATED WITH THE OWNER OR OWNER REPRESENTATIVE.

COMPOST FILTER SOCK DETAIL

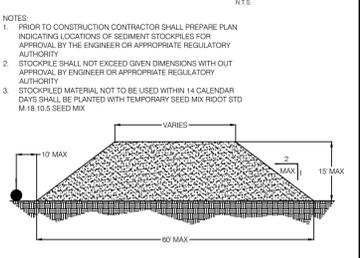
- INSTALLATION. COMPOST FILTER SOCKS SHALL BE CONSTRUCTED AT THE LOCATIONS, AND IN ACCORDANCE WITH THE DETAILS INDICATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER. THE FOLLOWING STIPULATIONS ALSO APPLY:
- COMPOST FILTER SOCKS MAY BE EITHER FABRICATED ON SITE OR DELIVERED TO THE SITE.
- COMPOST MEDIA SHALL CONFORM TO WASHO MIP-06 AND RIDOT SECTION 206.
- TRENCHING IS NOT REQUIRED. COMPOST FILTER SOCKS SHALL BE PLACED OVER THE TOP OF GROUND, WOODEN STAKES SHALL BE DRIVEN THROUGH THE CENTER OF THE FILTER SOCKS TO ANCHOR THEM TO THE GROUND. TO ENSURE OPTIMUM PERFORMANCE, HEAVY VEGETATION SHALL BE CUT DOWN OR REMOVED, AND EXTREMELY UNEVEN SURFACES SHALL BE GRADED TO ENSURE THAT THE COMPOST FILTER SOCK UNIFORMLY CONTACTS THE GROUND SURFACE.
- FILTER SOCKS SHALL BE PLACED IN A CONTINUOUS LINE. WHERE ENDS INTERSECT THEY SHALL BE SLEAVED TO CREATE AN INTERLOCK WITH A TWO (2) FOOT OVERLAP. AFTER ONE SECTION IS FILLED AND THE ENDS TIED OFF, THE NEXT SECTION SHALL BE PULLED OVER THE TIED OFF END OF THE PREVIOUS SECTION, TO CREATE A 2 FOOT OVERLAP. THE OVERLAP SHALL BE STAKED. THE INTERSECTING OVERLAPS SHALL BE CONSTRUCTED TO ENSURE THAT STORMWATER DOES NOT BREAK THROUGH AT THESE INTERSECTION POINTS.
- REMOVAL. THIS WORK, IF REQUIRED, SHALL INCLUDE THE REMOVAL OF THE COMPOST FILTER SOCK AND STAKES. UNLESS BIODEGRADABLE, THE MESH FILTER SOCK MATERIAL SHALL BE CUT OPEN AND THE MESH REMOVED. IN GENERAL, THE COMPOST FILTER MATERIAL MAY BE LEFT IN PLACE, HOWEVER THE MATERIAL WILL BE RAKED OUT LEVELED TO SURROUNDING GRADES, THEN SEEDED. PRIOR TO SUCH REMOVAL, HOWEVER, ALL SILT, MUD AND DEBRIS ENTRAPPED OUTSIDE OF THE COMPOST FILTER SOCK SHALL BE REMOVED AND THE AREA CLEANED UP IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF SECTION 212 OF RIDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.



CONSTRUCTION ACCESS PER RIDOT STANDARD 9.9.0 N.T.S.



TEMPORARY SEDIMENT STOCKPILE N.T.S.



GENERAL NOTES:

- THE STATE OF RHODE ISLAND STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION, AND THE RHODE ISLAND STANDARD DETAILS ARE MADE A PART HEREOF AS FULLY AND COMPLETELY AS IF ATTACHED HERETO. ALL WORK SHALL CONFORM TO RHODE ISLAND STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION 2004 EDITION OR LATEST REVISION. THE 2004 EDITION OF THE STANDARD SPECIFICATION MAY BE OBTAINED AT THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION.
- IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO APPLY FOR AND OBTAIN ANY AND ALL NECESSARY PERMITS, PAY ALL FEES AND POST ALL BONDS ASSOCIATED WITH THE SAME, AND COORDINATE WITH ARCHITECT OR ENGINEER AS NECESSARY.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE SAFETY OF THE JOB SITE. THE CONTRACTOR SHALL PROVIDE TEMPORARY FENCING AND/OR BARRIERS AROUND ANY EXPOSED EXCAVATED AREAS IN ACCORDANCE WITH OSHA STANDARDS.
- IN THE CASE THAT ANY DEVIATION / ALTERATION / OR IMPROVEMENT FROM THE APPROVED PLANS IS NECESSARY THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE ENGINEER AND OWNER PRIOR TO OCCURRENCE OF DEVIATION.
- ALL WORK SHALL BE LIMITED TO THE AREAS WITHIN THE LIMIT OF DISTURBANCE DISPLAYED ON THESE PLANS OR PROPERTY LINE IF LIMIT OF DISTURBANCE IS UNCLEAR. ANY AREA DISTURBED OUTSIDE OF THE LIMIT OF DISTURBANCE SHALL BE REPAIRED AND RESTORED TO ITS ORIGINAL CONDITION AT NO COST TO THE OWNER OR ENGINEER, AND PERFORMED TO THE ENGINEERS SATISFACTION.
- ALL SITE WORK SHALL MEET OR EXCEED THE SITE WORK SPECIFICATION SHOWN ON THESE PLANS AND/OR ACCOMPANYING SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING IF ANY CONFLICTS WITH EXISTING CONDITIONS OR PROPOSED CONDITIONS EXIST. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK THAT WOULD BE AFFECTED.
- EXCAVATED ROCK SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF UNLESS OTHER ARRANGEMENTS ARE MADE WITH THE OWNER. SUITABLE ROCK MAY BE UTILIZED IN FILL AREAS WITH WRITTEN PERMISSION OF THE OWNERS REPRESENTATIVES.
- DEBRIS, ORGANICS AND OTHER UNSUITABLE MATERIALS UNCOVERED DURING THE COURSE OF SITE EXCAVATION SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF ALL EXISTING UTILITIES THAT SERVICE THE SITE AND NEIGHBORING AREAS. IF ANY DAMAGE OCCURS TO EXISTING UTILITIES IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PAY ALL COSTS ASSOCIATED WITH REPAIR OF UTILITIES AS DIRECTED BY THE ENGINEER, UTILITY OWNER, OR GOVERNING AGENCY.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR QUANTITY TAKE-OFF IN COMPUTING ANY ESTIMATES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL TEMPORARY SEDIMENTATION AND EROSION CONTROLS.
- THE LOCATION OF EXISTING UTILITIES AS SHOWN ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR. "DIG SAFE" SHALL BE CONTACTED BY THE CONTRACTOR AS PART OF THIS VERIFICATION.
- NO EXCAVATION SHALL PROCEED UNTIL UTILITY COMPANIES ARE NOTIFIED IN ADVANCE.
- ALL TREE PROTECTION BY OTHERS UNLESS OTHERWISE NOTED.
- CONTRACTOR TO LOAM AND SEED ALL DISTURBED AREAS WITH APPROPRIATE SEED MIXTURES.

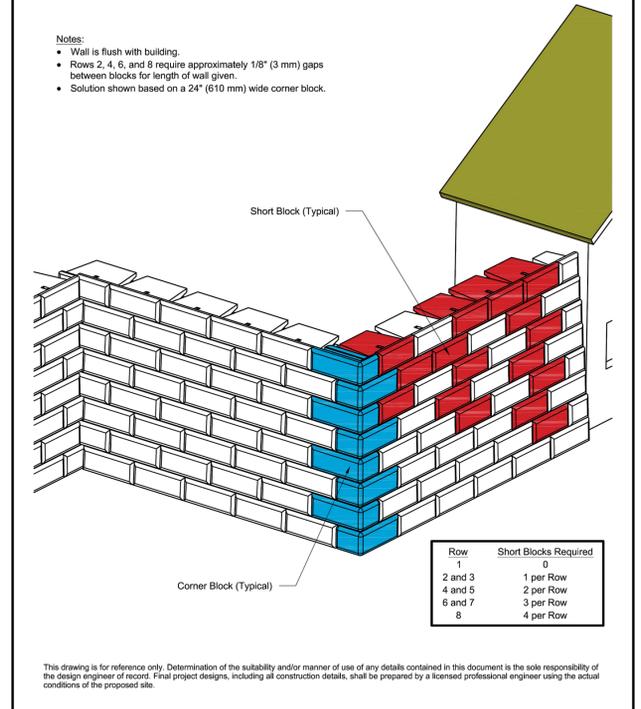
GRADING AND UTILITIES NOTES:

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED WORK SHOWN ON THESE PLANS DO NOT CONFLICT WITH ANY EXISTING CONDITIONS OR OTHER PROPOSED WORK. IF CONFLICTS ARISE, THE CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK WHICH WOULD BE AFFECTED. NO FIELD ADJUSTMENTS IN THE LOCATION OF SITE ELEMENTS SHALL BE MADE WITHOUT THE ENGINEERS APPROVAL.
- WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH WORK, THE LOCATION, ELEVATION, SIZE AND MATERIAL SHALL BE ACCURATELY DETERMINED BY THE CONTRACTOR IMMEDIATELY AND THE INFORMATION FURNISHED TO THE ENGINEER FOR RESOLUTION. THE CONTRACTOR SHALL NOT CONTINUE WORK ON AFFECTED UTILITIES UNTIL THE CONFLICT IS RESOLVED.
- ALL WORK PERFORMED AND ALL MATERIALS FURNISHED SHALL CONFORM WITH THE LINE AND GRADES ON THE PLANS AND SITE WORK SPECIFICATIONS.
- AT ALL LOCATIONS WHERE EXISTING CURBING OR PAVEMENT ABOUT NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENT SHALL BE SAW CUT TO A CLEAN, SMOOTH EDGE. BLEND NEW PAVEMENT AND CURBS SMOOTHLY INTO EXISTING BY MATCHING LINES, GRADES AND JOINTS.
- ALL UTILITY COVERS, GRATES, AND THE LIKE SHALL BE FLUSH WITH THE SURROUNDING SURFACE OR PAVEMENT FINISH. RIM ELEVATIONS ARE APPROXIMATE AND FINAL ELEVATIONS ARE TO BE SET FLUSH AND CONSISTENT WITH GRADING.
- THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION OF PRIVATE UTILITIES BY THE UTILITY COMPANY, AS REQUIRED.
- THE CONTRACTOR SHALL PROTECT ALL UNDERGROUND UTILITY FACILITIES FROM EXCESSIVE VEHICULAR LOADING. ANY DAMAGE RESULTING TO THESE FACILITIES SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT THE CONTRACTORS EXPENSE.
- ALL WATER WORKS SHALL HAVE 5 FEET OF COVER.
- GAS, ELECTRIC, AND COMMUNICATIONS ROUTING ARE SUBJECT TO REVIEW AND APPROVAL BY UTILITY COMPANY.
- DURING CONSTRUCTION CONTRACTOR SHALL PROTECT EXISTING UTILITIES BY PROVIDING TEMPORARY SUPPORTS OR SHEETINGS AS REQUIRED AT NOT ADDITIONAL COST TO THE OWNER.
- EXCAVATION REQUIRED WITHIN THE PROXIMITY OF EXISTING UTILITY LINES SHALL BE DONE BY HAND. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITY LINE OR STRUCTURES INCURRED DURING CONSTRUCTION OPERATION AT NO COST TO THE OWNER.
- PITCH EVENLY BETWEEN ALL SPOT GRADES.
- THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ANY ROCKS, DEBRIS, ORGANICS, OR THE LIKE UNCOVERED IN THE COURSE OF WORK.

LOAM AND SEED:

- GENERAL:**
- ALL DISTURBED AREAS TO BE LOAMED AND SEEDED PER "RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK" AS AMENDED OR REVISED.
 - FOR NON-NATIVE PLANTING SEEDING DATES ARE APRIL 1 THROUGH JUNE 15 AND AUGUST 15 THROUGH SEPTEMBER 30. DATE MAY BE EXTENDED 15 DAYS IN NEWPORT COUNTY FOR NATIVE PLANTING SEEDING DATES ARE BETWEEN AUGUST AND SEPTEMBER.
- SEED BED PREPARATION:**
- LOOSEN SOIL TO A DEPTH OF FIVE INCHES BY RAKING, DISCHING, DRAGGING OR TRAVERSING WITH TRACKED MACHINERY, OVER COMPACTION SHALL BE AVOIDED CLEAT MARKS SHALL BE PERPENDICULAR TO ANTICIPATED DIRECTION OF SURFACE WATER FLOW.
 - APPLY TOPSOIL IF NECESSARY.
 - APPLY SLOW RELEASE FERTILIZER NOT TO EXCEED 1500 LBS PER ACRE OR 36 LBS PER 1,000 SF USING THE FOLLOWING PERCENTAGES BY WEIGHT:
 - 10% AVAILABLE NITROGEN (N)
 - 20% AVAILABLE PHOSPHORIC ACID (P)
 - 20% AVAILABLE POTASSIUM (K)
 - REMOVE FROM SURFACE ALL STONES LARGER THAN 2" IN DIAMETER, ALL DEBRIS, TREE ROOTS OR OTHER UNSUITABLE MATERIAL.
 - INSPECT AREA TO BE SEEDED IMMEDIATELY PRIOR TO SEEDING FOR ANY COMPACTED AREAS, IF COMPACTED AREAS EXIST SCARIFY PRIOR TO COMMENCING SEEDING.
- SEEDING:**
- APPLY SELECTED SEED AT RATES PROVIDED UNIFORMLY BY HAND, CYCLOE SEEDER, DRILL, CULTIPACKER TYPE SEEDER OR HYDROSEEDER.
 - NORMAL SEEDING DEPTH IS .25 TO .5 INCH. HYDROSEEDINGS MAY BE LEFT ON THE SOIL SURFACE.
 - WHERE FEASIBLE, EXCEPT WHERE EITHER CULTIPACKER TYPE SEEDER OR HYDROSEEDER IS USED, FIRM THE SEEDBED FOLLOWING SEEDING OPERATION WITH ROLLER, OR LIGHT DRAG.
 - SEEDING RATES SHALL BE INCREASED BY 10% WHEN USING HYDROSEEDING.
 - USE OF STRAW MULCH HELD WITH ADHESIVE MATERIALS OR 500 LBS PER ACRE OF WOOD FIBER MULCH IS RECOMMENDED FOR PROTECTION FROM SOIL EROSION.
 - IF SEEDING CAN NOT BE COMPLETED WITHIN SEEDING DATES USE MULCHING TO PROTECT SITE AND DELAY SEEDING UNTIL THE NEXT RECOMMENDED SEEDING PERIOD.
- RECOMMENDED SEEDING:**
- SEED MIXTURE NO. 1
- KENTUCKY BLUE GRASS 22.5 LBS/AC 0.5 LBS/1000 SF
 - CREeping RED FESCUE 105 LBS/AC 2.5 LBS/1000 SF
 - PERENNIAL RYEGRASS 22.5 LBS/AC 0.5 LBS/1000 SF
- NOTES:** WHERE CONFUSION OR UNCERTAINTY EXISTS IN LOAMING AND SEEDING CONSULT THE "RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK" AS AMENDED OR REVISED, ENGINEER, LANDSCAPE ARCHITECT

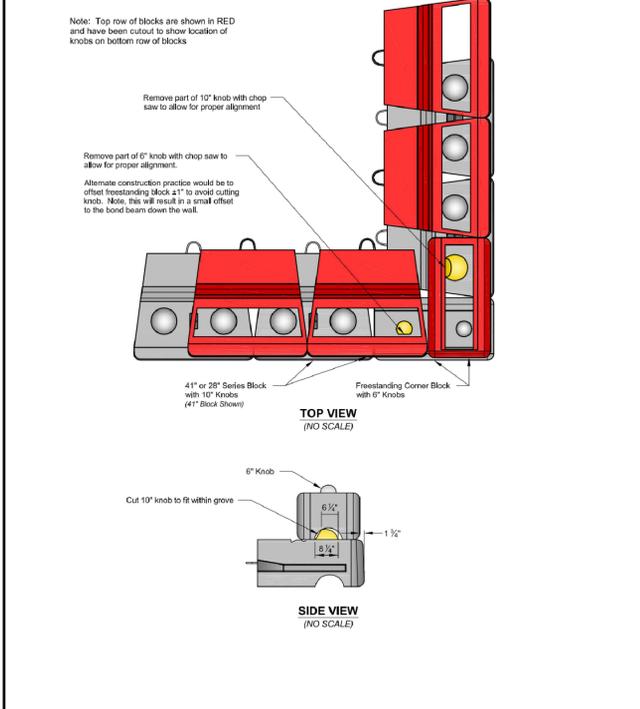
90° Battered Corner - Flush End



DRAWN BY: JRJ TITLE: 90° Battered Corner - Flush End
 APPROVED BY: JRJ
 DATE: 06-22-2015
 SHEET: 1 of 1 FILE: 10 90deg Battered Corner - Flush End 062215.dwg



90° OUTSIDE CORNER DETAIL (41" AND 28" SERIES)



DRAWN BY: JRJ TITLE: 90° Outside Corner Detail Trimmed Knob Option
 APPROVED BY: JRJ
 DATE: 06-22-2015
 SHEET: 1 of 1 FILE: 2 90deg Outside Corner Detail - Trimmed Knob 062215.dwg



SHEET TITLE

Derby Academy, 56 Burditt Ave, Hingham, MA 02043
 Property Record
 56 Burditt Avenue
 Hingham, MA 02043 [Plot: 49 Lot: 57, Zone: RA, Area: 21.6 Acres]
 N/F: Trustees of Derby Academy

C/O
 Jason Earls
 Sagamore
 75 Research Rd
 Hingham, MA 02043
 T: (781) 531-9466
 E: jearls@sagamore.com

PROJECT NO.	DATE	BY
25.0126	4/24/2025	CB

- DRAWING ISSUE:**
- CONCEPT / DISCUSSION
 - PERMITTING
 - CONSTRUCTION
 - AS-BUILT
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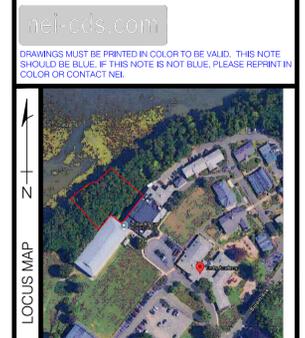
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MICHAEL E. MARTEL
 NO. 9307
 REGISTERED PROFESSIONAL ENGINEER
 STRUCTURAL
 09/02/25

neil-cds.com

DRAWINGS MUST BE PRINTED IN COLOR TO BE VALID. THIS NOTE SHOULD BE BLUE. IF THIS NOTE IS NOT BLUE, PLEASE REPRINT IN COLOR OR CONTACT NEI.



SCALE N/A

C-201

N:\PROJECTS\25.0126_SAGAMORE (DERBY ACADEMY)\STRUCTURAL - RET WALLING WALL R1 DWG C-201 NEI-Standard.cad 9/2/2025 Ashley Stoklosa