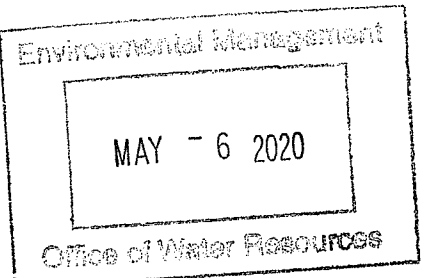
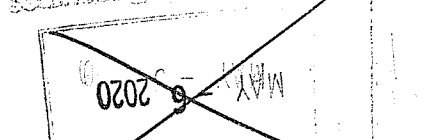


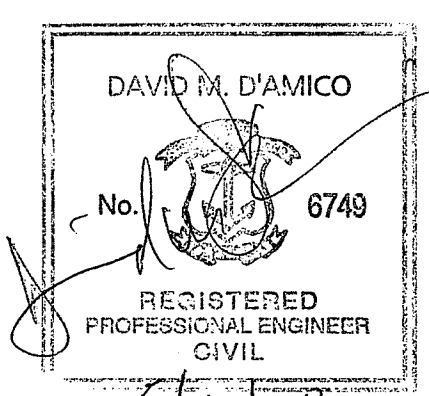
TORRADO ARCHITECTS



35 GREENWICH ST. PROVIDENCE, RI 02907 401.781.0633 P 401.781.0661 F



DAMICO ENGINEERING TECHNOLOGY, INC. 200 Mineral Spring Ave., North Providence, RI 02911 (401) 822-4470 (401) 333-1190 Fax: www.damicoengineer.com



PROJECT: THE COMPASS SCHOOL RENOVATIONS

CONSTRUCTION SET

SITE PLAN NO. 1

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF WATER RESOURCES FRESHWATER WETLANDS PROGRAM APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL DATED JUN 12 2020 FILE # 19-0176 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL APPROVED PLANS MUST BE AT CONSTRUCTION SITE

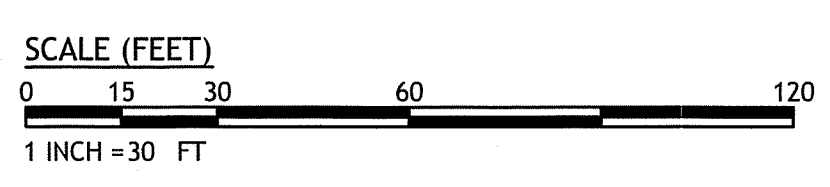
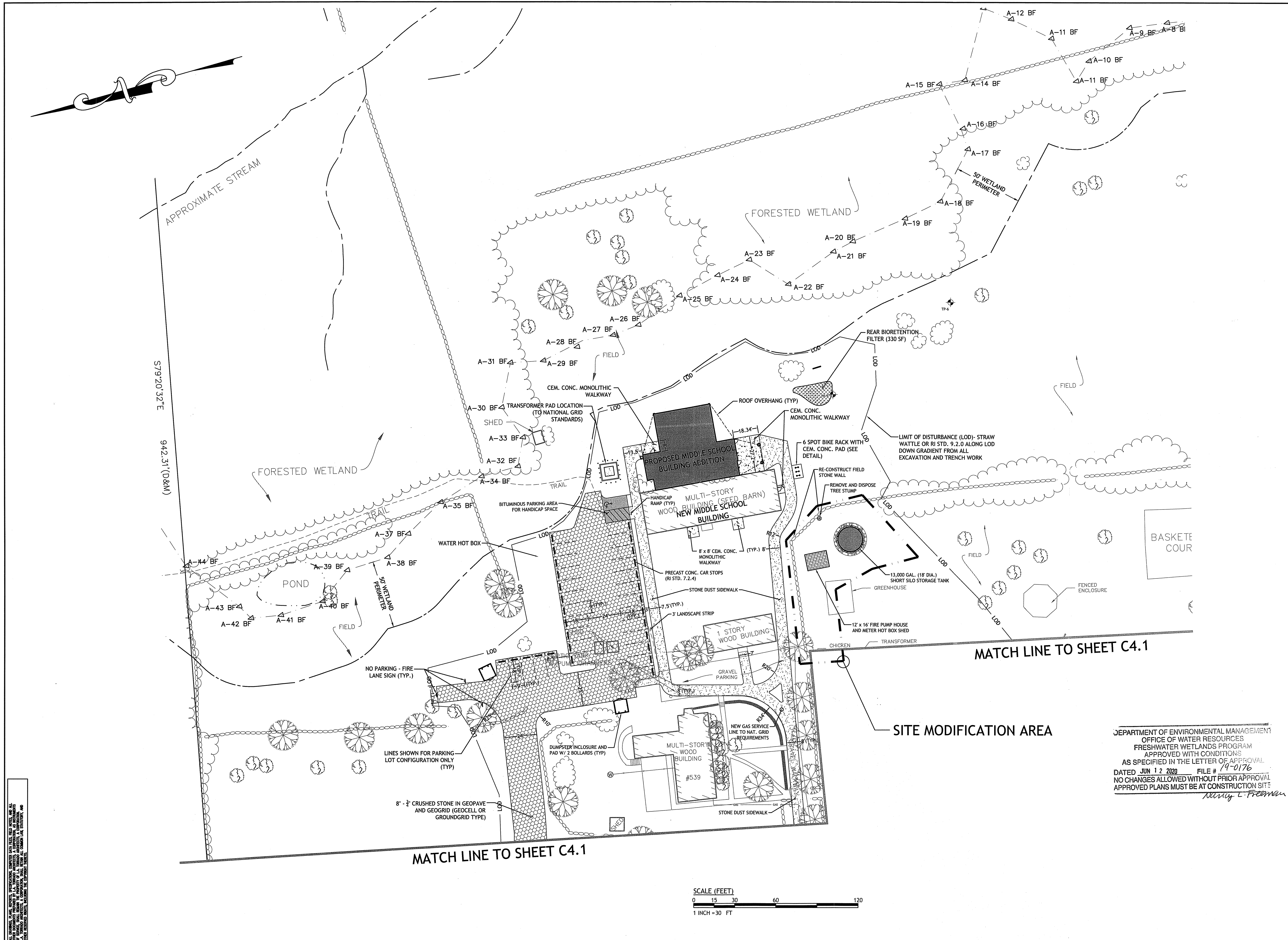
Table with 3 columns: DATE, REV. #, DESCRIPTION. Includes revisions for Fire Marshal's Comments, RDEM Comments, and Fire Water Storage Tank.

REVISIONS:

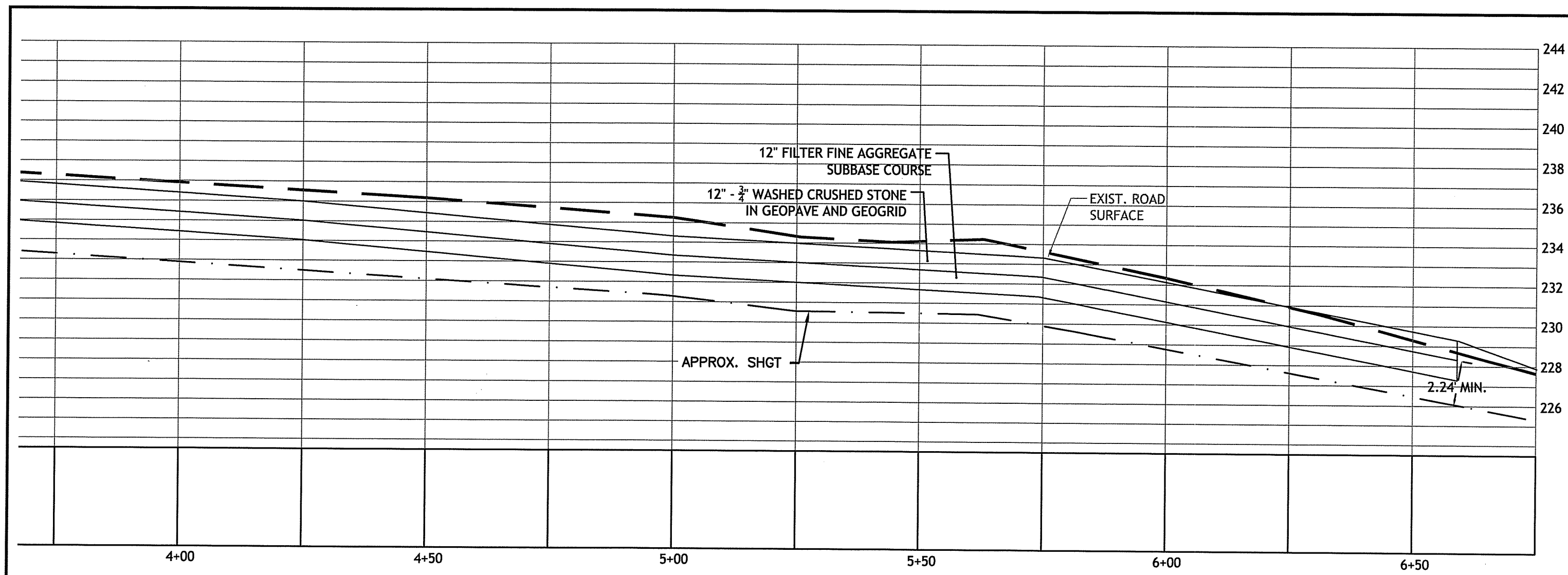
DATE: 19 APRIL, 2019 JOB No: DRWN BY: D.M.D. CHECKED BY: D.M.D. SCALE: AS NOTED

C4.0

SHEET 6 OF 15

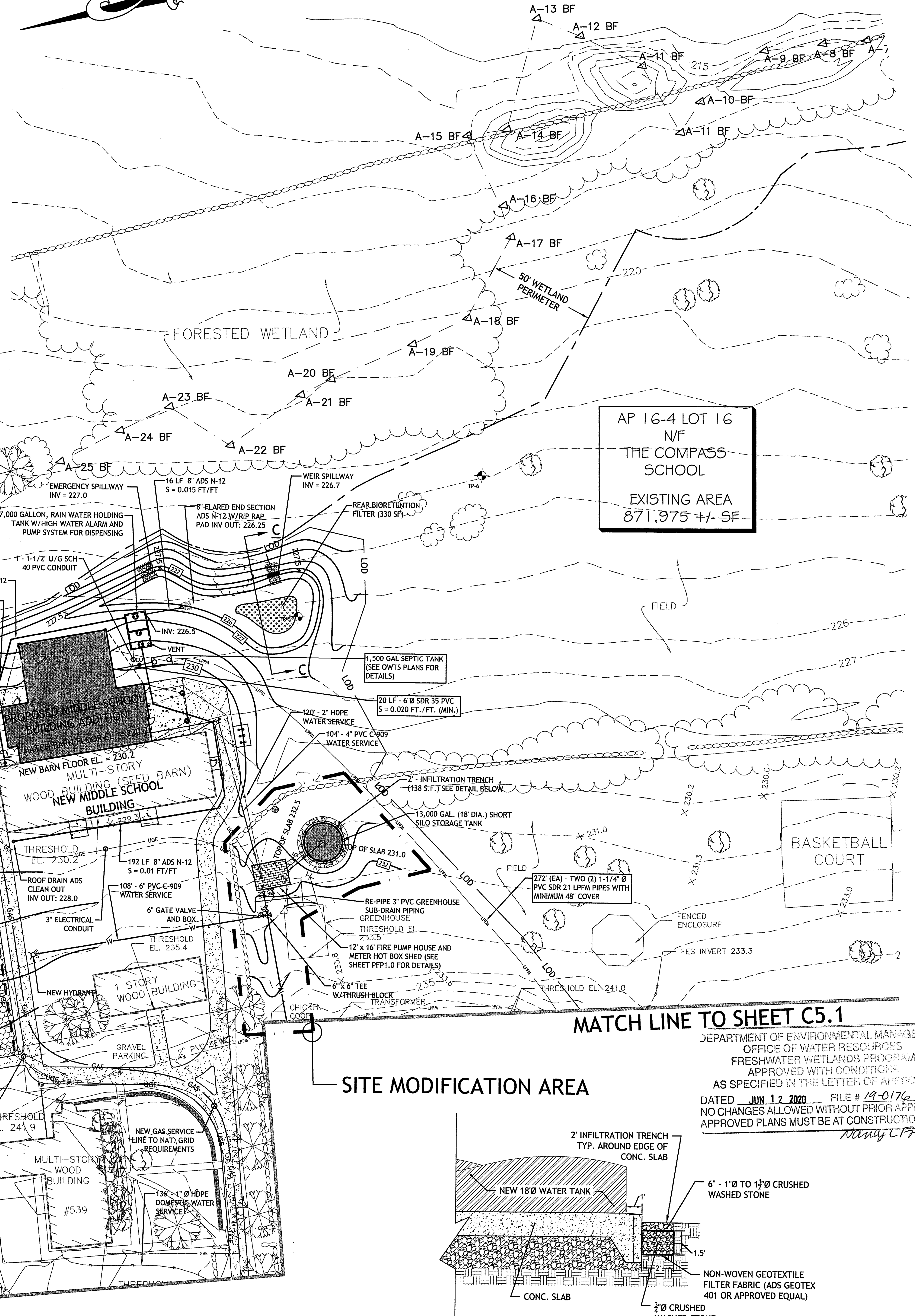
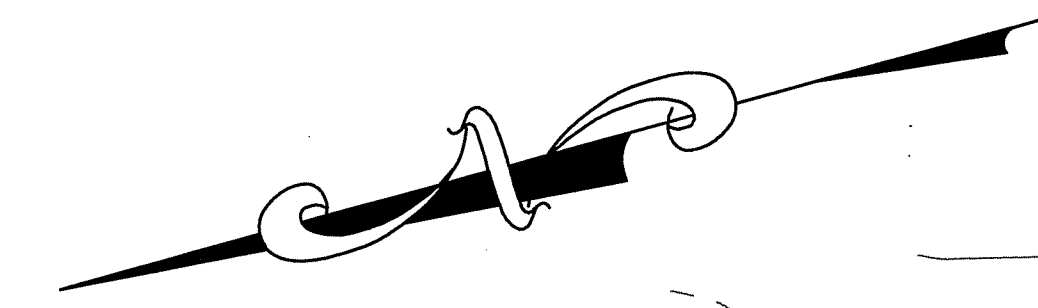


VERTICAL text on the left edge of the drawing area.



**NORTH DRIVEWAY PROFILE DETAIL STA. 3+75 TO 6+50**

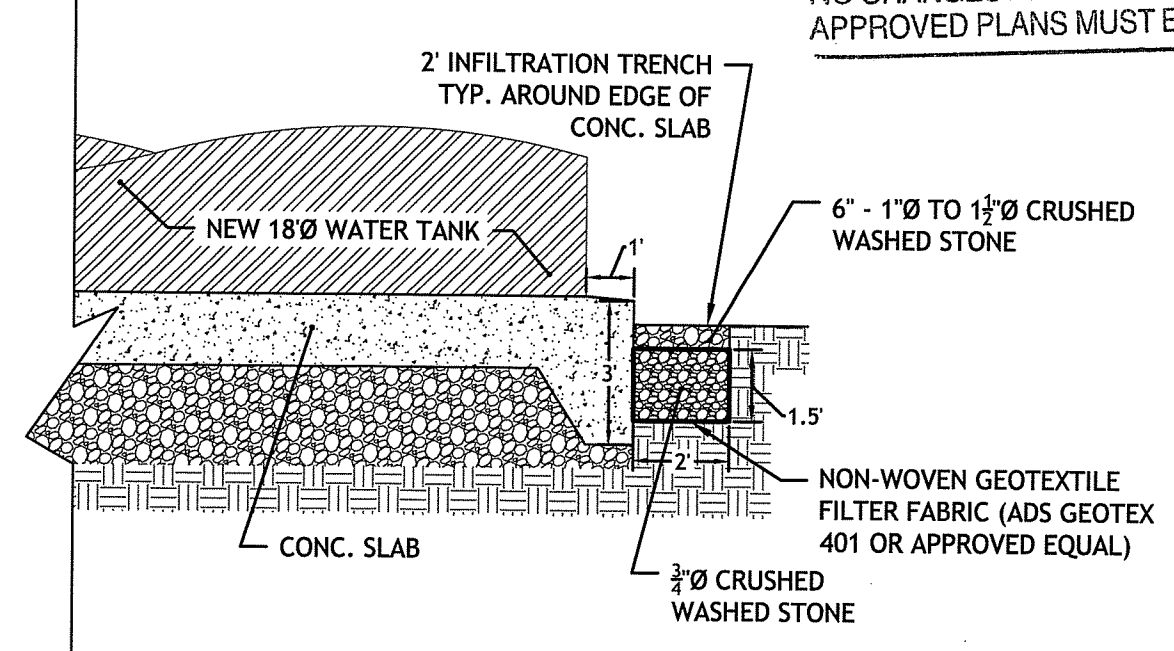
HORIZONTAL SCALE: 1"=20'  
VERTICAL SCALE: 1"=6'



AP 16-4 LOT 16  
N/F  
THE COMPASS  
SCHOOL  
  
EXISTING AREA  
871,975 +/- SF

MATCH LINE TO SHEET C5.1

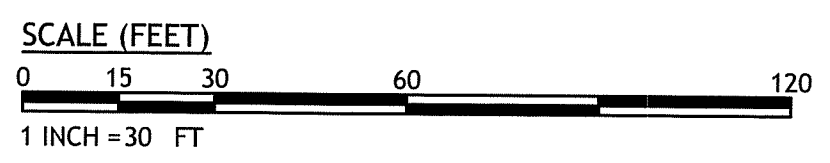
SITE MODIFICATION AREA



**INFILTRATION TRENCH DETAIL**

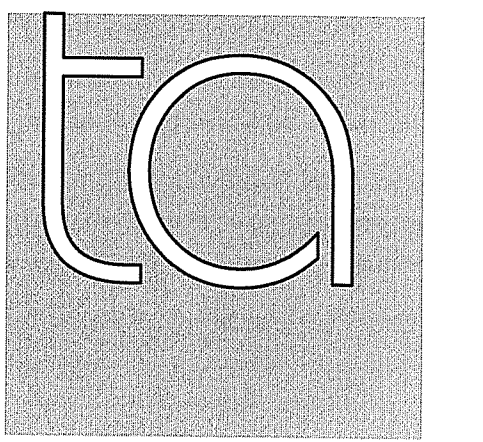
SCALE: 1"=4'

MATCH LINE TO SHEET C5.1



ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODE (IBC) AND THE INTERNATIONAL PLUMBING CODE (IPC). THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE, AND FEDERAL AUTHORITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE, AND FEDERAL AUTHORITIES.

AP 16-4, LOT 9  
N/F  
OLD NORTH  
LAND  
INVESTMENTS  
LLC



**TORRADO  
ARCHITECTS**

Environmental Management  
MAY - 6 2020  
Title of Water Resources

35 GREENWICH ST.  
PROVIDENCE, RI 02907  
401.781.0633 P  
401.781.0661 F

**DEtec.**  
D'AMICO ENGINEERING TECHNOLOGY, INC.  
Civil, Transportation, Land Use  
2000 Mineral Spring Ave., North Providence, RI 02911  
(401) 822-1470 (401) 253-1100 Fax: www.damicoeng.com

DAVID M. D'AMICO  
No. 06748  
REGISTERED PROFESSIONAL ENGINEER  
CIVIL  
5/6/20

PROJECT:

THE COMPASS SCHOOL  
RENOVATIONS

CONSTRUCTION SET  
CONTENT:

**GRADING,  
DRAINAGE AND  
UTILITY PLAN  
NO. 1**

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED JUN 12 2020 FILE # 19-0176  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

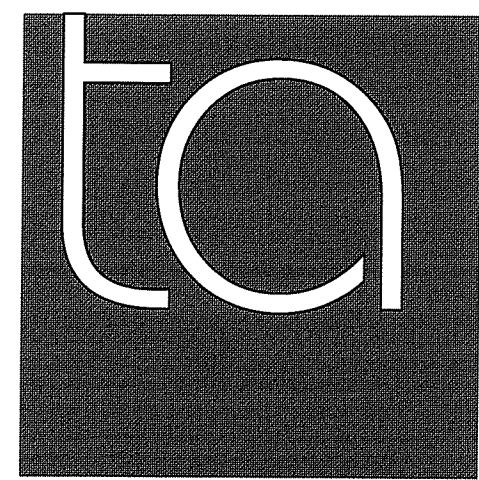
19-18	REV. 1	FIRE MARSHAL'S COMMENTS
9-25-19	REV. 2	RIDEM COMMENTS
5-5-20	REV. 3	FIRE WATER STORAGE TANK

DATE	REV. #	DESCRIPTION
REVISIONS:		

DATE: 19 APRIL, 2019  
JOB No:  
DRWN BY: D.M.D.  
CHECKED BY: D.M.D.  
SCALE: AS NOTED

**C5.0**

SHEET 8 OF 15



TORRADO ARCHITECTS

**Architect:**

TORRADO ARCHITECTS  
35 Greenwich Street  
Providence, RI 02907  
(401) 781-0633  
(401) 781-0661 FAX  
la.torrado@verizon.net



**Mechanical Engineer:**

Engineering Design Services, INC.  
141 Industrial Highway  
Slatersville, RI 02876  
(401) 765-7659  
(401) 765-2984 FAX



**Structural Engineer:**

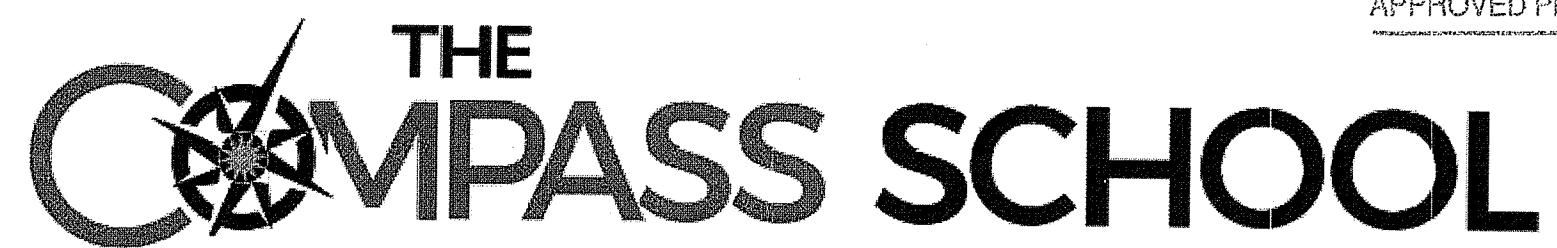
ODEH ENGINEERS  
1223 Mineral Spring Avenue  
North Providence, RI 02904  
(401) 724-1771  
(401) 724-1981 FAX



**Civil Engineer:**

D'Amico Engineering Technology, Inc.  
2080 Mineral Spring Ave.  
North Providence, RI 02911  
(401) 622-1470  
(401) 353-1190 FAX

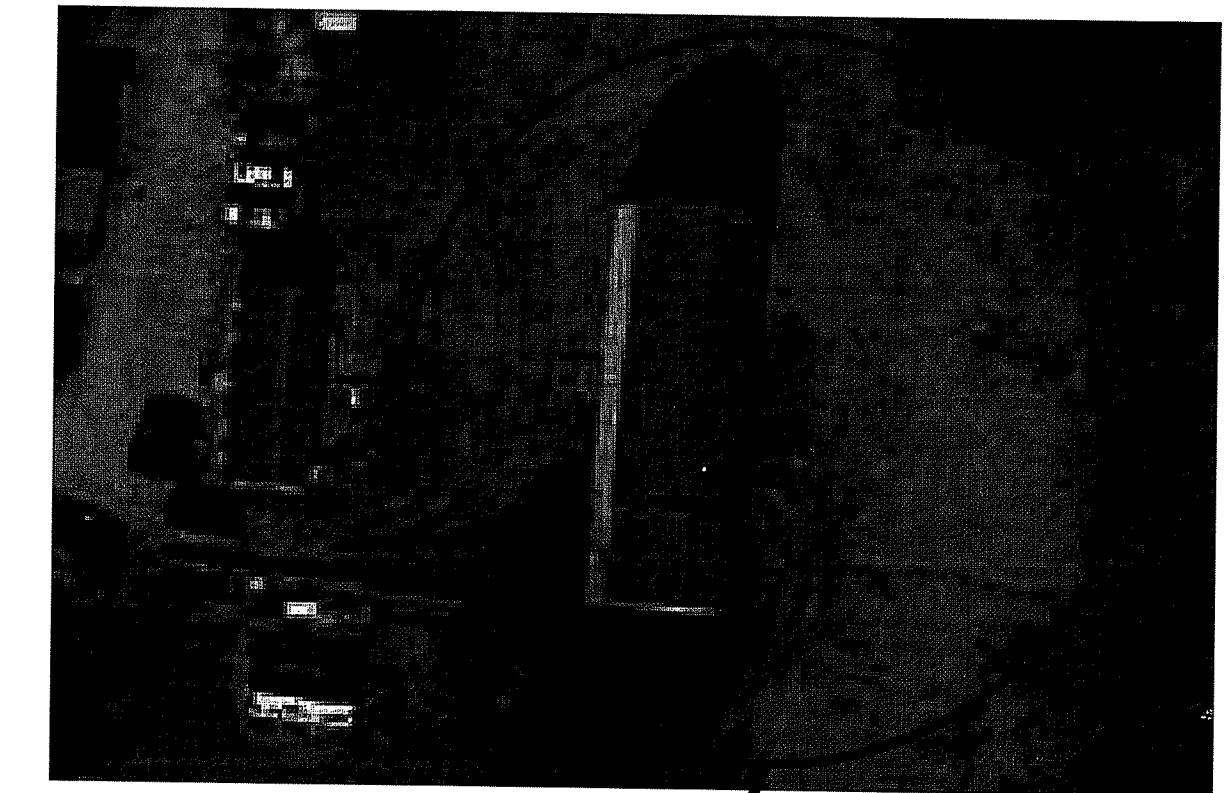
OWNER:  
THE COMPASS SCHOOL  
537 OLD NORTH RD.  
KINGSTON, RI



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED NOV. 14, 2019 FILE # 19-0176  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE  
*Nancy L. Freeman*

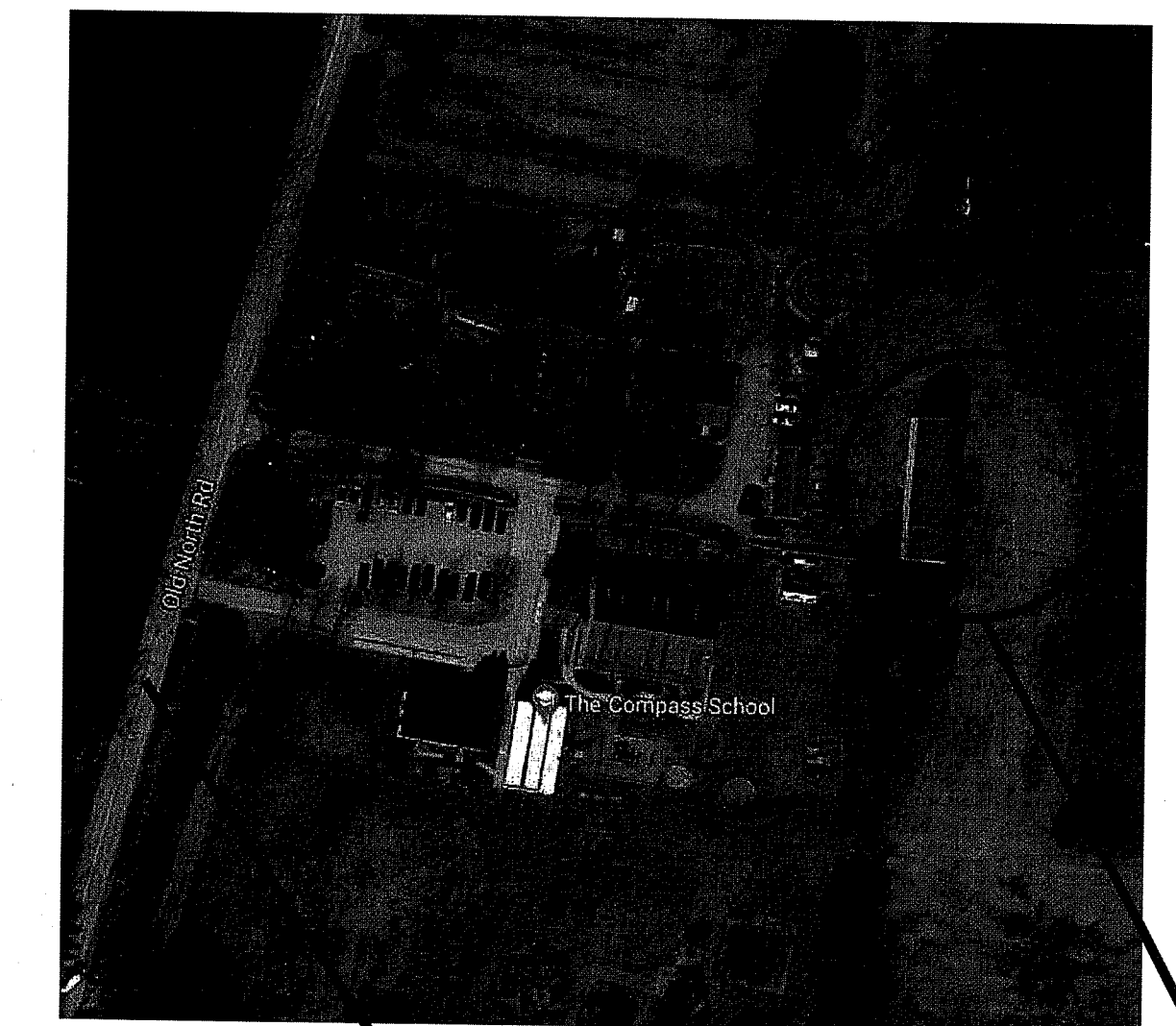
PROJECT:

The Compass School  
Renovation  
537 OLD NORTH RD. KINGSTON  
RHODE ISLAND 02881



BARN RENOVATION

LOCUS MAP:



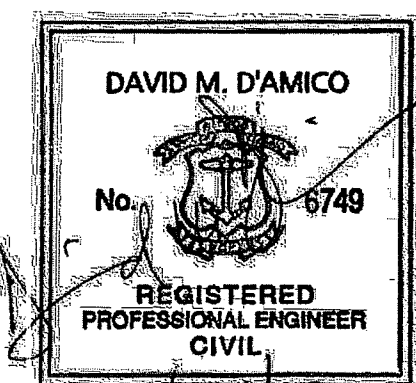
OLD NORTH RD

BARN RENOVATION

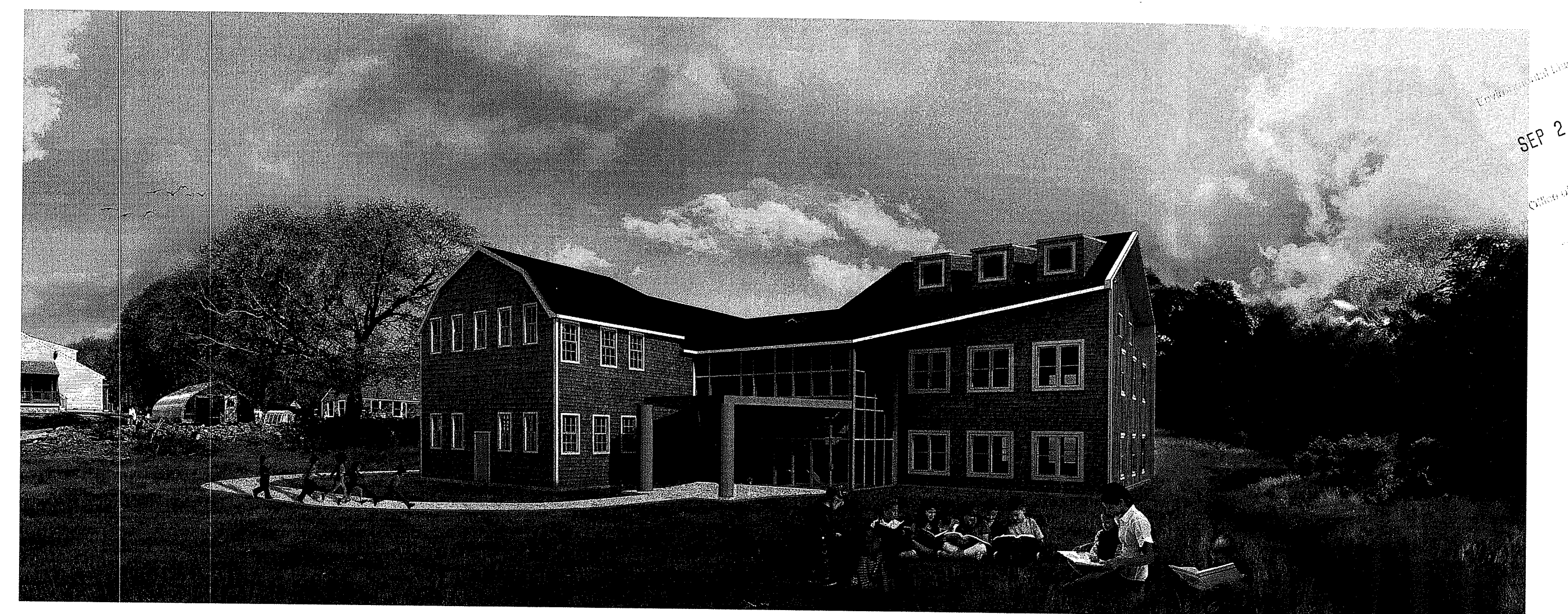
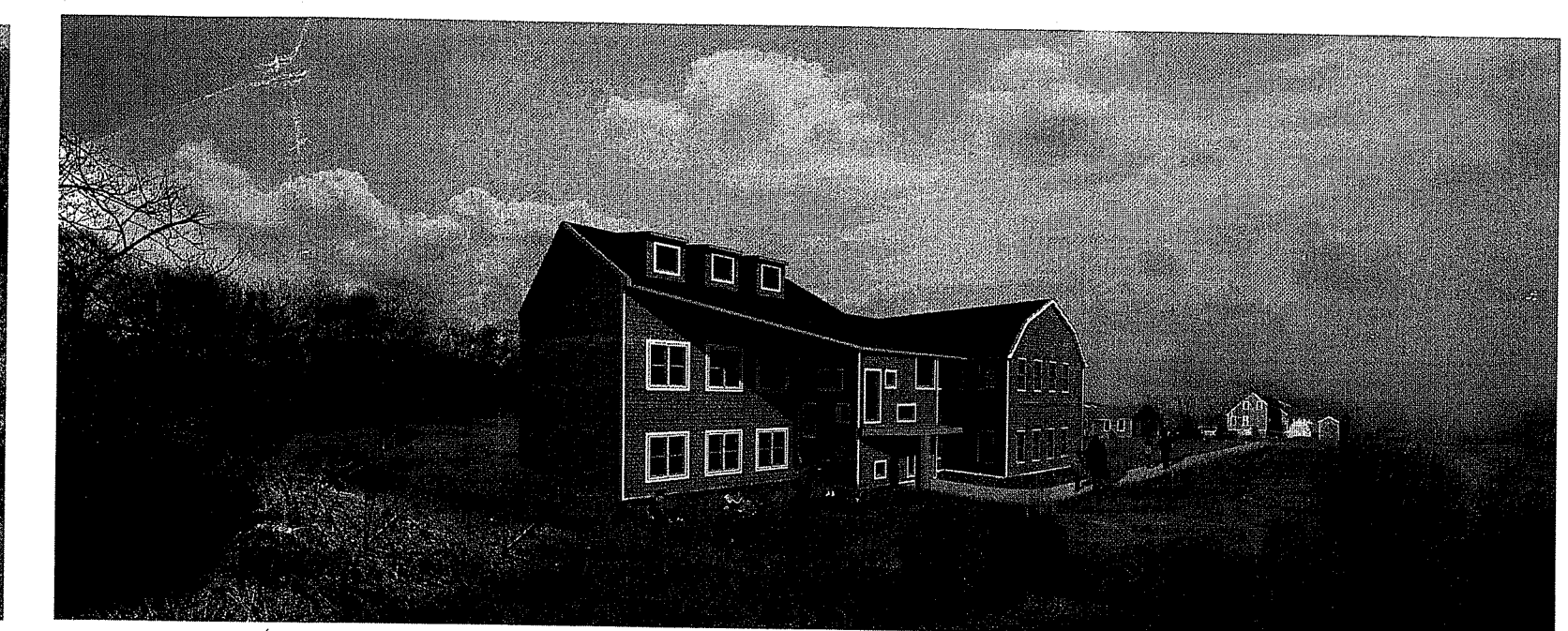
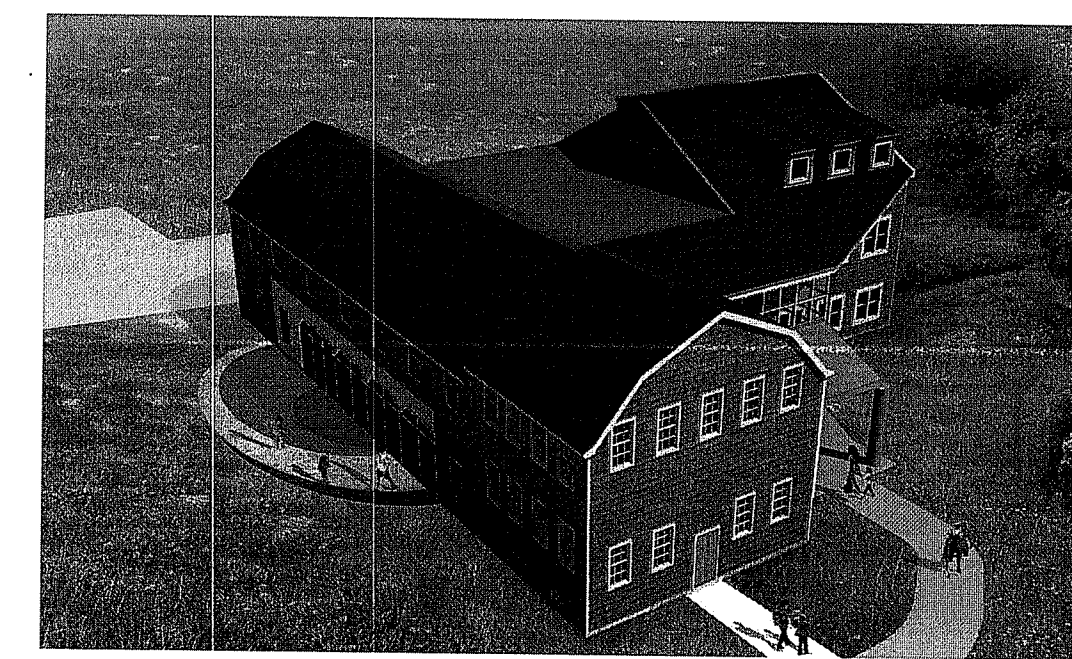
**DRAWING LIST:**

CIVIL

- C1.0 GENERAL NOTES & LEDEND
- C2.0 SURVEY PLAN
- C2.1 EXISTING CONDITIONS & DEMOLITION PLAN
- C3.0 OVERALL SITE PLAN
- C4.0 SITE PLAN NO. 1
- C4.1 SITE PLAN NO. 2
- C5.0 GRADING, DRAINAGE AND UTILITY PLAN NO. 1
- C5.1 GRADING, DRAINAGE AND UTILITY PLAN NO. 2
- C6.0 SOIL EROSION AND SEDIMENT CONTROL PLAN AND DETAILS
- C7.0 SITE DETAIL 1 PLAN
- C7.1 SITE DETAIL 2 PLAN
- C7.2 SITE DETAIL 3 PLAN
- L1.0 LANDSCAPE PLAN
- L2.0 LANDSCAPE DETAILS PLAN



SHEET 1 OF 15



SEP 26 2019

PERMIT PLAN SET

30 NOVEMBER 2018  
REV SEPT. 25, 2019

**SITE NOTE(S):**

- CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND LEGALLY DISPOSING (R&D) OF ALL MATERIALS INDICATED ON THE PLANS IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.
- STOCKPILES OF EARTH MATERIALS SHALL NOT BE LOCATED ADJACENT TO DRAINAGE STRUCTURES.
- ALL DISTURBED AREAS OUTSIDE OF THE PAVED AREAS WILL RECEIVE A MINIMUM OF 6" OF LOAM AND SEED.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN SURVEY LAYOUT SERVICES FOR THE WORK AND SHALL SUBMIT "AS-BUILT" DRAWINGS OF ALL WORK, WHICH SHALL BE STAMPED AND CERTIFIED BY A RHODE ISLAND REGISTERED PROFESSIONAL LAND SURVEYOR.
- ANY ITEM OF WORK NOT SPECIFICALLY INDICATED ON THE PLANS BUT IS REQUIRED FOR THE COMPLETE CONSTRUCTION OF THE PROJECT WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND INCLUDED IN THE CONTRACT BID PRICE. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL EXISTING SITE CONDITIONS.
- REFER TO ARCHITECTURAL AND STRUCTURAL PLANS FOR ACTUAL SIZE OF THE PROPOSED BUILDING WORK RELATED TO BUILDINGS.
- WHERE NECESSARY TO REMOVE CURBS, CATCH BASINS OR DRAINS TO COMPLETE WORK, THE CONTRACTOR SHALL REPLACE SUCH ITEMS TO THE SATISFACTION OF THE CITY/OWNER AT NO ADDITIONAL COST TO THE OWNER.
- ANY EXISTING PIPE OR UTILITY DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED IMMEDIATELY BY THE CONTRACTOR AT NO COST TO THE OWNER OR CITY.
- THE CONTRACTOR SHALL RESTORE TO ITS ORIGINAL CONDITION OR REPLACE TREES, SHRUBS, FENCES, SIGNS, GUARDRAILS, DRIVEWAYS, SIDEWALKS AND ANY OTHER OBJECT AFFECTED BY THIS OPERATION.
- THE TOPS OF ALL VALVE BOXES AND CURB BOXES SHALL BE FLUSH WITH GROUND OR PAVEMENT SURFACE LEVEL AND PLUMS, UNLESS OTHERWISE DIRECTED.
- ROADWAYS SHALL BE LEFT PASSABLE AT ALL TIMES. CLOSURE OF ROADWAY IS NOT PERMITTED.
- THE CONTRACTOR SHALL PROVIDE ACCESS TO ALL DRIVEWAYS AT COMPLETION OF EACH DAY'S WORK.
- WATER SERVICE SHALL BE MAINTAINED AT ALL TIMES.
- ALL LEDGE TO BE REMOVED BY MECHANICAL MEANS.
- ALL CONSTRUCTION WORK SHALL BE PERFORMED IN THE DRY. THE CONTRACTOR SHALL PROVIDE, OPERATE AND MAINTAIN ALL PUMPS, DRAINS, WET POINTS, SCREENS, OR OTHER FACILITIES NECESSARY TO CONTROL, COLLECT AND DISPOSE OF ALL SURFACE AND SUBSURFACE WATER ENCOUNTERED IN THE PERFORMANCE OF THE WORK.
- ALL IMPORTED FILL MATERIAL SHALL BE CLEAN FILL, FREE OF DEBRIS AND ORGANIC MATTER. MATERIAL SHALL BE SUBJECT TO TESTING IF SO DIRECTED BY THE OWNER OR ENGINEER.
- SITE TOPOGRAPHY BASED ON ASSUMED DATUM AS NOTED ON THE PLANS.

**LAYOUT NOTE(S):**

THE LAYOUT SHOWN REPRESENTS A GRAPHICAL DESIGN. AND PRIOR TO THE CONSTRUCTION, THE CONTRACTOR SHALL ENGAGE A PROFESSIONAL LAND SURVEYOR (PLS) REGISTERED IN THE STATE OF RHODE ISLAND TO SET AND VERIFY ALL LINES AND GRADES. ALL EXISTING UTILITY LOCATIONS AND ELEVATIONS ARE TO BE CONFIRMED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY ITEMS FOUND WHICH DO NOT MATCH THE PLANS MUST BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO CONSTRUCTION FOR REVIEW. NO WORK SHALL PROCEED UNTIL AUTHORIZED BY THE ENGINEER.

**GENERAL CONTRACTOR NOTES & REQUIREMENTS:**

- THE CONTRACTOR IS TO NOTIFY DIG SAFE PRIOR TO CONSTRUCTION.
- A PRE-CONSTRUCTION MEETING IS REQUIRED. THE ARCHITECT AND ENGINEER OF RECORD AND CITY ENGINEER SHALL BE NOTIFIED PRIOR TO CONSTRUCTION.
- CONTRACTOR TO OBTAIN ALL FEDERAL, STATE, AND MUNICIPAL APPROVALS (IF APPLICABLE) PRIOR TO THE START OF CONSTRUCTION.
- ALL CATCH BASINS AND MANHOLES TO BE 4FT DIAMETER UNLESS SPECIFIED OTHERWISE.
- COMPACT, LOAM & SEED ALL DISTURBED AREAS. ADDITIONAL EROSION CONTROLS MAY BE REQUIRED BY THE SITE OR CITY ENGINEER.
- AN APPROVED SET OF PLANS AND ALL APPLICABLE PERMITS MUST BE AVAILABLE AT THE CONSTRUCTION SITE. DEVIATIONS OR CHANGES WILL NOT BE ALLOWED UNLESS APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL VERIFY THE PROPOSED LAYOUT WITH ITS RELATIONSHIP TO THE EXISTING SITE SURVEY. THE CONTRACTOR SHALL ALSO VERIFY ALL DIMENSIONS, SITE CONDITIONS, AND MATERIAL SPECIFICATIONS AND SHALL NOTIFY THE OWNER AND ENGINEER OF ANY ERRORS, OMISSIONS OR DISCREPANCIES BEFORE COMMENCING OR PROCEEDING WITH WORK.
- METHODS AND MATERIALS USED IN THE CONSTRUCTION OF IMPROVEMENTS FOR THIS PROJECT SHALL CONFORM TO THE CURRENT CONSTRUCTION STANDARDS AND SPECIFICATIONS OF THE CITY OF CENTRAL FALLS AND THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION.
- THE CONTRACTOR SHALL MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING UTILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION AND VERIFY ALL DIMENSIONS, SITE CONDITIONS, AND MATERIALS SPECIFICATIONS AND SHALL NOTIFY THE OWNER AND ENGINEER OF ANY ERRORS, OMISSIONS OR DISCREPANCIES BEFORE COMMENCING OR PROCEEDING WITH WORK.
- CONTRACTORS SHALL NOTIFY OPERATORS WHO MAINTAIN UNDERGROUND UTILITY LINES IN THE AREA OF PROPOSED EXCAVATION OR BLASTING AT LEAST TWO WORKING DAYS, BUT NOT MORE THAN TEN WORKING DAYS, PRIOR TO COMMENCEMENT OF EXCAVATION OR DEMOLITION. ALL WATER, GAS, SEWER AND OTHER UTILITIES SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.
- THE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL AND ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THE PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES AND TO TAKE WHATEVER STEPS NECESSARY TO PROVIDE FOR THEIR PROTECTION. THE ENGINEER HAS DILIGENTLY ATTEMPTED TO LOCATE AND INDICATE ALL EXISTING UTILITIES ON THESE PLANS; HOWEVER, THIS INFORMATION IS SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS OF UTILITIES SHOWN OR NOT SHOWN. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANIES FOR EXACT LOCATION OF THEIR UTILITIES PRIOR TO STARTING CONSTRUCTION. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AND REPLACE ANY AND ALL DAMAGED MADE TO UTILITIES BY THE CONTRACTOR.
- ALL SITE WORK, INCLUDING BUT NOT LIMITED TO, BITUMINOUS PAVEMENT, ROADWAY CONSTRUCTION, AGGREGATE MATERIALS, DRAINAGE STRUCTURES, CURBING, SIDEWALK, LANDSCAPING, SAW CUTTING, ETC. SHALL CONFORM TO THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADWAY AND BRIDGE CONSTRUCTION, 2010 EDITION (WITH LATEST ADDENDA) AND THE RIDOT STANDARD DETAILS, 1998 EDITION (WITH LATEST ADDENDA).

**EROSION CONTROL & SOIL STABILIZATION PROGRAM:**

- DENUDED SLOPES SHALL NOT BE LEFT UNATTENDED OR EXPOSED FOR EXCESSIVE PERIODS OF TIME SUCH AS THE INACTIVE WINTER SEASON.
- THE SEED MIX SHALL BE INOCULATED WITHIN 24 HOURS, BEFORE MIXING AND PLANTING, WITH APPROPRIATE INOCULUM FOR EACH VARIETY.
- THE DESIGN MIX SHALL BE COMPRISED OF THE FOLLOWING CONSERVATION MIX:
 

MIXTURE	% BY WGT.	SEEDING DATES
RED FESCUE	75	APRIL 1 - JUNE 15
COLONIAL BENTGRASS	5	AUG. 15 - OCT. 15
PERENNIAL RYEGRASS	5	
BIRDSFOOT TREFLOIL	15	
TOTAL 100% PER ACRE		
- TEMPORARY TREATMENTS SHALL CONSIST OF A HAY, STRAW OR FIBER MULCH OR PROTECTIVE COVERS SUCH AS A MAT OR A FIBER LINING (JUTE, BURLAP, EXCELSIOR BLANKETS). THEY SHALL BE INCORPORATED INTO THE WORK AS WARRANTED.
- HAY OR STRAW APPLICATIONS SHOULD BE IN THE AMOUNT OF 3,000 - 4,000 LBS. PER ACRE.
- STABILIZATION OF ONE FORM OR ANOTHER AS DESCRIBED ABOVE SHALL BE ACHIEVED IMMEDIATELY AFTER FINAL GRADING.

**SOIL EROSION AND SEDIMENTATION CONTROL NOTE(S):**

- THE LIMIT OF DISTURBANCE (LOD) LINE ILLUSTRATED ON THESE PLANS SHALL SERVE AS THE STRICT LIMIT OF DISTURBANCE FOR THE PROJECT.
- THE LIMITS OF CLEARING, GRADING, AND DISTURBANCE SHALL BE KEPT TO A MINIMUM WITHIN THE PROPOSED AREA OF CONSTRUCTION. ALL AREAS OUTSIDE OF THESE LIMITS, AS DEPICTED ON THE PLAN SHALL BE TOTALLY UNDISTURBED, TO REMAIN IN NATURAL CONDITION.
- ALL CATCH BASINS AND CULVERTS SHALL BE PROTECTED WITH STAKED HAYBALES (R.I. STD. 9.8.0) DURING CONSTRUCTION ACTIVITIES. ALL PROPOSED STORM WATER DISCHARGE AREAS SHALL BE LINED WITH A RIPRAP SPLASH PAD AND PROTECTED WITH STAKED HAYBALE OUTLET PROTECTION (R.I. STD. 9.1.0), OR STAKED HAYBALE WITH SILT FENCE (R.I. STD. 9.3.0) SHALL ALSO BE INSTALLED AT ALL EXISTING STORMWATER DISCHARGE LOCATIONS WHERE DISTRIBUTING PIPES, CATCH BASINS, AND MANHOLES ARE TO BE CLEANED AND FLUSHED.
- ALL DISTURBED SLOPES EITHER NEWLY CREATED OR CURRENTLY EXPOSED SHALL BE SEEDED, PROTECTED AND MAINTAINED BY THE CONTRACTOR. THE CONTRACTOR SHALL REGULARLY CHECK ALL SEEDED AREAS TO ENSURE THAT A GOOD STAND IS MAINTAINED.
- ALL HAYBALES, TEMPORARY TREATMENT (HAY, STRAW, ETC.) SILT FENCE AND TEMPORARY EROSION PROTECTION SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION AND SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED.
- STOCKPILES OF TOPSOIL SHALL NOT BE LOCATED NEAR DRAINAGE STRUCTURES. THEY SHALL HAVE SIDE SLOPES OF NO GREATER THAN 2:1 AND SHALL BE TEMPORARILY SEEDED.
- THE HAYBALES OR SILT FENCE SHALL BE CHECKED BY THE CONTRACTOR ON A WEEKLY BASIS AND AFTER EACH STORM FOR UNDERMINING OR DETEIORATION. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY HAYBALES OR SILT FENCE AS NEEDED. THE CONTRACTOR SHALL CLEAN THE ACCUMULATED SEDIMENT IF HALF OF THE ORIGINAL HEIGHT OF THE HAY-BALES BECOMES FILLED WITH SEDIMENTS.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN ALL SOIL EROSION AND SEDIMENT CONTROLS ON THE PROJECT SITE FOR THE ENTIRE DURATION OF THE CONSTRUCTION PERIOD. TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROLS (HAYBALES, SILT FENCE, ETC.) SHALL BE MAINTAINED UNTIL ALL EXPOSED SOILS ARE SATISFACTORILY STABILIZED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING AND/OR RESEEDING ALL AREAS THAT DO NOT DEVELOP WITHIN ONE YEAR FROM THE COMPLETION OF CONSTRUCTION.
- ALL REFERENCED SOIL EROSION AND SEDIMENTATION CONTROLS INCLUDING MATERIALS USED, APPLICATION RATES AND THE INSTALLATION PROCEDURES SHALL BE PERFORMED PER THE "RHODE ISLAND EROSION AND SEDIMENTATION HANDBOOK", DATED 2014.

**MAINTENANCE AND PROTECTION OF TRAFFIC NOTE(S):**

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MAINTENANCE AND PROTECTION OF PEDESTRIAN AND VEHICULAR TRAFFIC INCLUDING POLICE PROTECTION. ALL TEMPORARY AND VEHICULAR SIGNS, BARRICADES AND LANE CLOSURES SHALL BE IN CONFORMANCE WITH THE LATEST REVISIONS OF MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES 2009, INCLUDING ALL REVISIONS (M.U.T.C.D.).
- TEMPORARY CONSTRUCTION SIGNS AND ALL APPLICABLE TRAFFIC CONTROL DIVIDES SHALL BE IN PLACE PRIOR TO THE START OF WORK IN ANY AREA OPEN TO TRAFFIC.
- THE PRIVATE VEHICLES OF CONSTRUCTION WORKERS SHALL NOT BE PARKED WITHIN THE TOWN'S RIGHT-OF-WAY.
- ALL MAINTENANCE AND PROTECTION OF TRAFFIC CONTROL SETUPS, SIGNS CHANNELING DEVICES, ETC. SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, 2003 EDITION WITH LATEST AGENDA.
- SIGN MOUNTINGS SHALL BE IN ACCORDANCE WITH THE R.I.D.O.T. SPECIFICATIONS FOR TEMPORARY CONSTRUCTION SIGNS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL STATE AND LOCAL PERMITS PRIOR TO START OF CONSTRUCTION. THESE PERMITS SHALL INCLUDE BUT ARE NOT LIMITED TO, ROAD OPENING, SOIL EROSION, BUILDING, WATER CONNECTION AND SEWER CONNECTION PERMIT(S). CONTRACTOR SHALL REFER TO TOWN ENGINEERING AND BUILDING DEPARTMENT FOR ALL APPLICABLE PERMITS.

**ADS PIPE INSTALLATION NOTES:**

- FOUNDATION:** WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A STABLE DEPTH AND REPLACE WITH A FOUNDATION OF CLASS I OR II MATERIAL AS DEFINED IN ASTM D2321, "STANDARD PRACTICE FOR INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY-FLOW APPLICATIONS," LATEST EDITION; AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A WOVEN GEOTEXTILE FABRIC.
- BEDDING:** SUITABLE MATERIAL SHALL BE CLASS I, II, OR III AND INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION. UNLESS OTHERWISE SPECIFIED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" FOR 4" TO 24" DIA. & 6" FOR 30" TO 60" DIA.
- HAUNCHING AND INITIAL BACKFILL:** SUITABLE MATERIAL SHALL BE CLASS I, II, OR III AND INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
- UNLESS OTHERWISE SPECIFIED BY THE ENGINEER, MINIMUM TRENCH WIDTHS SHALL BE AS FOLLOWS:

NOMINAL DIA. (IN)	MINIMUM TRENCH WIDTH (IN)
6"	23"
8"	25"
10"	28"
12"	31"
15"	34"
18"	39"

- MINIMUM COVER:** RECOMMENDED DEPTHS OF COVER FOR VARIOUS LIVE LOADING CONDITIONS ARE SUMMARIZED IN THE FOLLOWING TABLE. UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE TAKEN FROM THE TOP OF PIPE TO THE GROUND SURFACE.
 

SURFACE LIVE LOADING CONDITION	MINIMUM RECOMMENDED COVER (IN)	
	H25 (FLEXIBLE PAVEMENT)	H25 (RIGID PAVEMENT)
HEAVY CONSTRUCTION	12"	12"
		48"

**BMP MAINTENANCE SCHEDULE:**

- ALL MAINTENANCE (INCLUDING CLEANING) REQUIRED DURING THE CONSTRUCTION PHASE OF THE PROJECT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL INCLUDE:
  - MEASURES NEEDED TO ENSURE THE PROPER OPERATION OF THE STORMWATER RUNOFF (DRAINAGE) AND WATER QUALITY CONTROL SYSTEMS TO INCLUDE INSPECTION, CLEANING AND REPAIRS ALL PIPES, INTAKE AND DISCHARGE STRUCTURES, CATCH BASIN SUMPS, AND MANHOLES.
  - INSPECTION OF ALL SLOPES, BERMS, AND OTHER CONTROL STRUCTURES FOR STRUCTURAL INTEGRITY/STABILITY AND EVIDENCE OF SOIL EROSION PROCESSES, AND MAINTENANCE OF THESE STRUCTURES IF NECESSARY. INSPECTIONS SHALL BE PERFORMED FOLLOWING ALL RAIN EVENTS OF 1/2 INCH RAINFALL OR MORE IN A 24-HOUR PERIOD, OR BI-MONTHLY IF NO RAINFALL EVENT OCCURS.
- UPON COMPLETION OF THE PROJECT CONSTRUCTION, AND PRIOR TO VACATING THE SITE, THE CONTRACTOR SHALL CONDUCT A FINAL INSPECTION AND CLEANING OF THE DRAINAGE SYSTEM AND ALL ASSOCIATED STRUCTURES.
- AFTER THE COMPLETION OF THE ENTIRE PROJECT TO THE SATISFACTION OF THE OWNER OR ENGINEER, ALL MAINTENANCE OF THE DRAINAGE SYSTEM SHALL THEN BE THE RESPONSIBILITY OF THE OWNER OR HIS/HER APPROVED AGENTS.
- AFTER THE COMPLETION OF PROJECT CONSTRUCTION AND THE FINAL STABILIZATION OF THE ENTIRE SITE, THE INSPECTION AND MAINTENANCE OF ALL STORMWATER FACILITIES MUST BE PERFORMED AS FOLLOWS:
  - ANY REQUIRED REPAIR AND REPLACEMENT OF DRAINAGE STRUCTURES OR FACILITIES SHALL BE DONE PROMPTLY TO ENSURE PROPER FUNCTIONING OF THE SYSTEM.
  - CATCH BASINS, MANHOLES, AND THE DETENTION BASIN SHALL BE INSPECTED AT LEAST ONCE PER YEAR AND ANY SEDIMENT OR DEBRIS WITHIN THE SUMPS SHALL BE REMOVED. SEDIMENTS SHALL BE REMOVED FROM THE DETENTION BASIN DURING THE FIRST YEAR OF OPERATION AND EVERY 5-YEARS THEREAFTER. MORE FREQUENT REMOVALS MAY BE NECESSARY IF THE SEDIMENT STORAGE CAPACITY OF THE FOREBAY OR POND IS EXCEEDED OR WHEN THE SEDIMENT DEPTHS REACH 6 INCHES, WHICHEVER COMES FIRST.
  - ALL DESIGN, CLEANING, AND MAINTENANCE OF THE STORMWATER DRAINAGE SYSTEM SHALL FOLLOW AT LEAST THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION MINIMUM STANDARDS, SECTION 708.03. WHERE APPROPRIATE, PROCEDURES REGARDING THE DRAINAGE DESIGN, AND THE INSPECTION AND MAINTENANCE OF THE STORMWATER DRAINAGE SYSTEM SHALL BE FOLLOWED AS OUTLINED IN THE "RHODE ISLAND STORMWATER DESIGN AND INSTALLATION STANDARDS MANUAL" (RIDEM/RICRM, JUNE 30, 2004).
  - ANY TRASH, DEBRIS, ETC SHALL BE REMOVED IMMEDIATELY FROM WETLAND AREAS, DETENTION BASINS, SWALES AND PIPE OUTLETS.
  - DETENTION BASINS AND SWALES SHALL BE MOWED AT LEAST ONCE DURING THE GROWING SEASON TO PREVENT UNWANTED WOODLY GROWTH.
  - SWALES AND DETENTION AREAS: SHALL BE INSPECTED AFTER MAJOR STORM EVENTS OR AN ANNUAL BASIS. REPAIRS SHALL BE PERFORMED IMMEDIATELY AS CONDITIONS WARRANT. BARE SPOTS AND ERODED AREAS SHALL BE RESEDED IMMEDIATELY FOLLOWING OBSERVATION. ALL LITTER AND TRASH SHALL BE REMOVED DURING INSPECTIONS.
  - CATCH BASINS, MANHOLES AND DRAIN LINES: AN INSPECTION MUST OCCUR ON AN ANNUAL BASIS BY QUALIFIED PERSONNEL TO ENSURE PROPER OPERATION. THE INSPECTION SHOULD, AS A MINIMUM, CONCENTRATE ON THE FOLLOWING:
    - DAMAGE TO GRATES AND/OR COVER
    - EVIDENCE OF STANDING WATER
    - DEBRIS REMOVAL
    - STRUCTURAL ALIGNMENT/ INTEGRITY

ANY DEFICIENCY NOTED DURING THE INSPECTION SHALL BE IMMEDIATELY REPAIRED OR REPLACED.
- SEDIMENT REMOVAL: ALL REMOVED SEDIMENT IS TO BE TESTED TO DETERMINE POLLUTANT CONTENT. THE SEDIMENT IS TO BE PROPERLY DISPOSED IN UPLAND AREAS BASED UPON THE TEST RESULTS AND LOCAL, STATE, AND FEDERAL REGULATIONS.

**DRAINAGE SYSTEM MAINTENANCE SCHEDULE:**

- ALL MAINTENANCE (INCLUDING CLEANING) REQUIRED DURING THE CONSTRUCTION PHASE OF THE PROJECT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL INCLUDE:
  - INSPECTION, REPAIR AND/OR REPLACEMENT OF CATCH BASIN INLET PROTECTION.
  - REMOVAL OF SEDIMENT FROM DRAINAGE STRUCTURES AND PIPES DURING AND FOLLOWING THE END OF CONSTRUCTION.
- MEASURES NEEDED TO ENSURE THE PROPER OPERATION OF THE STORMWATER RUNOFF (DRAINAGE) AND WATER QUALITY CONTROL SYSTEMS TO INCLUDE INSPECTION, CLEANING AND REPAIRS TO ALL PIPES, INTAKE AND DISCHARGE STRUCTURES (INCLUDING RIP-RAP SPLASH PADS), DETENTION PONDS, SWALES, CATCH BASIN SUMPS, AND MANHOLES.
- INSPECTION OF ALL SLOPES, BERMS, AND OTHER CONTROL STRUCTURES (INCLUDING ROADWAY SIDE SLOPES, FOR STRUCTURAL INTEGRITY/STABILITY AND EVIDENCE OF SOIL EROSION PROCESSES, AND MAINTENANCE OF THESE STRUCTURES IF NECESSARY. INSPECTIONS SHALL BE PERFORMED FOLLOWING ALL RAIN EVENTS OF 1/2 INCH RAINFALL OR MORE IN A 24-HOUR PERIOD, OR BIMONTHLY IF NO RAINFALL.
- UPON COMPLETION OF PROJECT CONSTRUCTION, AND PRIOR TO VACATING THE SITE, THE CONTRACTOR SHALL CONDUCT A FINAL INSPECTION, REPAIR ANY VEGETATIVE SOIL EROSION AND SEDIMENTATION CONTROL MEASURES (SEEDING, PLANTING, ETC.) WHERE REQUIRED, AND REPAIR (OR REMOVE WHERE APPROPRIATE) ANY TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROL DEVICES. AFTER PERMANENT SOIL STABILIZATION ON THE ENTIRE SITE HAS OCCURRED, ALL TEMPORARY CONTROL MEASURES (EXCLUDING STAKED HAYBALES) MUST BE REMOVED.
- REPLANTING, REGRADING, OR OTHER REPAIRS NEEDED AS A RESULT OF SOIL EROSION AND SEDIMENTATION PROCESSES SHALL BE DONE PROMPTLY TO ENSURE PROPER FUNCTIONING OF THE ENTIRE SYSTEM.
- WHEN ALL CONSTRUCTION IS COMPLETED, THE SITE HAS BEEN STABILIZED TO PREVENT EROSION AND SEDIMENTATION BY A WELL ESTABLISHED VEGETATIVE COVER, AND THE DRAINAGE IMPROVEMENTS HAVE BEEN INSPECTED AND ACCEPTED BY THE CITY AND THE OWNER, THE PARTY RESPONSIBLE FOR LONG TERM MAINTENANCE, INSPECTION AND REPAIRS TO ALL DRAINAGE FACILITIES SHOWN ON THESE PLANS, SHALL BE THE OWNER OF THE LOT OR LOTS ON WHICH THE DRAINAGE FACILITIES ARE LOCATED INCLUDING THE UIC, DETENTION BASIN, SWALES, PIPES AND CATCHBASINS.
- ANY TRASH, DEBRIS, ETC. SHOULD BE REMOVED FROM THE DETENTION BASIN, SUBSURFACE STORMWATER MANAGEMENT AREA, SWALE(S), INLETS, AND PIPE OUTLETS.
- CATCH BASINS, MANHOLES AND DRAIN LINES: AN INSPECTION MUST OCCUR ON AN ANNUAL BASIS BY QUALIFIED PERSONAL TO ENSURE PROPER OPERATION. THE INSPECTION SHOULD, AS A MINIMUM, CONCENTRATE ON THE FOLLOWING:
  - DAMAGE TO GRATE AND COVER
  - EVIDENCE OF STANDING WATER
  - DEBRIS REMOVAL
  - STRUCTURAL ALIGNMENT/ INTEGRITY

ANY DEFICIENCY NOTED DURING THE INSPECTION WILL BE IMMEDIATELY REPAIRED OR REPLACED.
- THE GRASSED AREAS SHALL BE INSPECTED AT LEAST TWICE PER YEAR TO CHECK FOR EROSION PROBLEMS. PROBLEM AREAS SHALL BE RE-SEDED IMMEDIATELY TO STABILIZE EXPOSED SOIL, THEREBY PREVENTING EROSION AND POTENTIAL CLOGGING OF OUTFLOW DEVICES.
- AN AREA SHALL BE SET ASIDE IN THE DEVELOPMENT SITE IN, AN UPLAND LOCATION OUTSIDE OF JURISDICTIONAL WETLANDS FOR THE PURPOSE OF SEDIMENT DISPOSAL, IF AN OFF SITE DISPOSAL AREA IS NOT FEASIBLE.
- SEDIMENT REMOVED FROM THE BASIN(S) SHALL BE TESTED FOR HEAVY METALS AND OTHER CONTAMINANTS FOLLOWING OPERATION. IF IT IS FOUND THAT SEDIMENTS ARE CONTAMINATED THEY SHALL BE TRANSPORTED TO A STATE APPROVED DISPOSAL SITE.

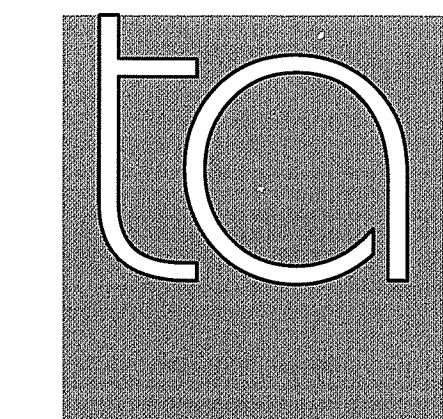
**WATER INSTALLATION NOTES:**

- ALL INSTALLATIONS, JOINTS, CONSTRUCTION METHODS AND MATERIALS SHALL BE ACCORDING TO THE KINGSTON WATER DISTRICT REQUIREMENTS, AWWA STANDARDS AND GOVERNMENTAL REQUIREMENTS.
- INSTALLATION OF ALL WATER CONVEYANCES, MAINS, PIPES OR LINES SHALL BE IN ACCORDANCE WITH THE DUCTILE IRON PIPE RESEARCH ASSOCIATIONS INSTALLATION MANUAL AND ANSI/AWWA C600 AND ALL OTHER REQUIREMENTS OF THE KINGSTON WATER DISTRICT.
- WATER PIPES SHALL TYPICALLY BE LOCATED AT LEAST TEN (10) FEET HORIZONTALLY FROM SEWER PIPES, AND AT A MINIMUM DEPTH OF COVER EQUAL TO 5'. WHERE A NEW WATER PIPE IS LESS THAN 18 INCHES CLEAR DISTANCE ABOVE A SEWER OR WHERE A WATER PIPE PASSES BENEATH A SEWER OR STORM DRAIN, ENCASE THE SEWER OR DRAIN IN 6" OF CONCRETE FOR A DISTANCE OF 10 FEET ON EACH SIDE OF THE CROSSING WATER PIPE.
- ALL SYSTEM COMPONENTS AND CONSTRUCTION METHODS; SUCH AS PIPE, THRUST BLOCKS, FITTINGS, CASTINGS, ETC. SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO PURCHASE AND INSTALLATION. THIS SUBMISSION SHALL INCLUDE MANUFACTURER'S LITERATURE, SHOP DRAWINGS, PROPOSED CONSTRUCTION METHODS, ETC.
- WATER LINE TRENCH TO BE AWWA TYPE 5 A METALIZED DETECTABLE IDENTIFICATION TAPE 2" IN WIDTH, BLUE IN COLOR AND PRINTED WITH CAUTION WATERLINE BURIED BELOW SHALL BE UTILIZED OVER ALL MAINS. TAPE SHALL BE SET AT APPROXIMATELY 1" BELOW FINISHED GRADE.
- THE CONTRACTOR SHALL RECEIVE VERIFICATION FROM THE ENGINEER AS TO THE APPROPRIATE SIZE OF THE DOMESTIC WATER AND FIRE PROTECTION LINE SHOWN ON THE PLANS PRIOR TO ORDERING WATER PIPE RELATED ITEMS.
- SPECIFIC BENDS ARE SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL PROVIDE ADDITIONAL BENDS AS NECESSARY TO INSTALL THE PIPE AT THE REQUIRED DEPTH AND ALIGNMENT.

**DRAINAGE INSTALLATION NOTES:**

- ALL RIM ELEVATIONS SHOWN ARE APPROXIMATE AND ARE TO BE SET FLUSH WITH FINAL GRADES.
- THE DESIGN ENGINEER MUST SUBMIT AN AS BUILT PLAN AND A CERTIFICATION TO THE CITY ENGINEER THAT THE CONSTRUCTION IS IN COMPLIANCE WITH THE DESIGN PLANS FOR ALL ELEMENTS OF THE STORM OR DRAINAGE SYSTEM PRIOR TO THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY.
- THE PROPOSED DRAINAGE LINES SHALL BE ADS N-12 (HDPE) OR AN APPROVED EQUAL AS INDICATED ON THESE PLANS.
- ALL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH H-20 LOADING CHARACTERISTICS.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED NOV 14 2019 FILE # 19-0176  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE  
*Kathy L. Freeman*

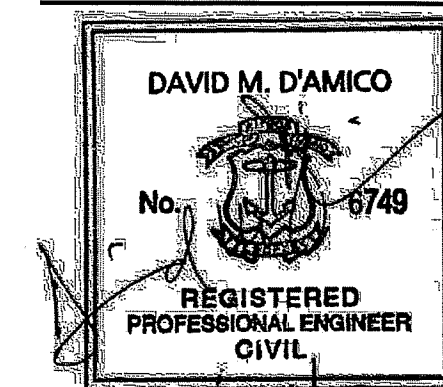


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(401) 822-1470 (401) 353-1190 fax www.damicoeng.com



PROJECT:

THE COMPASS SCHOOL  
RENOVATIONS

**CONSTRUCTION SET**

CONTENT:

**GENERAL  
NOTES &  
LEGEND**

**LEGEND**

- EXISTING PROPERTY LINE
- PROPOSED PROPERTY LINE
- ABUTTING PROPERTY LINE
- - - - BUILDING SETBACK LINE
- - - - WETLAND EDGE
- 100--- EXISTING CONTOUR
- 100--- PROPOSED CONTOUR
- SLOPES > 15%
- ○ ○ ○ ○ EXISTING STONE WALL
- ○ ○ ○ ○ IRON PIN
- ○ ○ ○ ○ DRILL HOLE
- CONCRETE BOUND
- EXISTING CURB
- ○ ○ ○ ○ CHAIN LINK FENCE
- ○ ○ ○ ○ DRAIN LINE
- ○ ○ ○ ○ DRAINAGE MANHOLE
- ○ ○ ○ ○ CATCH BASIN
- ○ ○ ○ ○ UTILITY POLE
- OVERHEAD WIRES
- UNDERGROUND ELECTRIC
- GAS LINE
- WATER LINE
- WATER SHUT OFF VALVE
- ○ ○ ○ ○ WELL
- ○ ○ ○ ○ SEWER
- ○ ○ ○ ○ SMH
- N/F NOW OR FORMERLY
- ○ ○ ○ ○ HAY BALES
- LOD LIMIT OF DISTURBANCE
- LEGGE TEST
- SOIL EVALUATION
- BUILDING DOOR LOCATION
- CUT AND MATCH LINE (SAW CUT)

R & D REMOVE & DISPOSE (SEE CONTRACT DOCUMENT SPECIFICATIONS FOR DISPOSAL REQUIREMENTS)

11-19-18	REV. 1	FIRE MARSHAL'S COMMENTS
9-25-19	REV. 2	NOW OR FORMERLY RIDEM COMMENTS

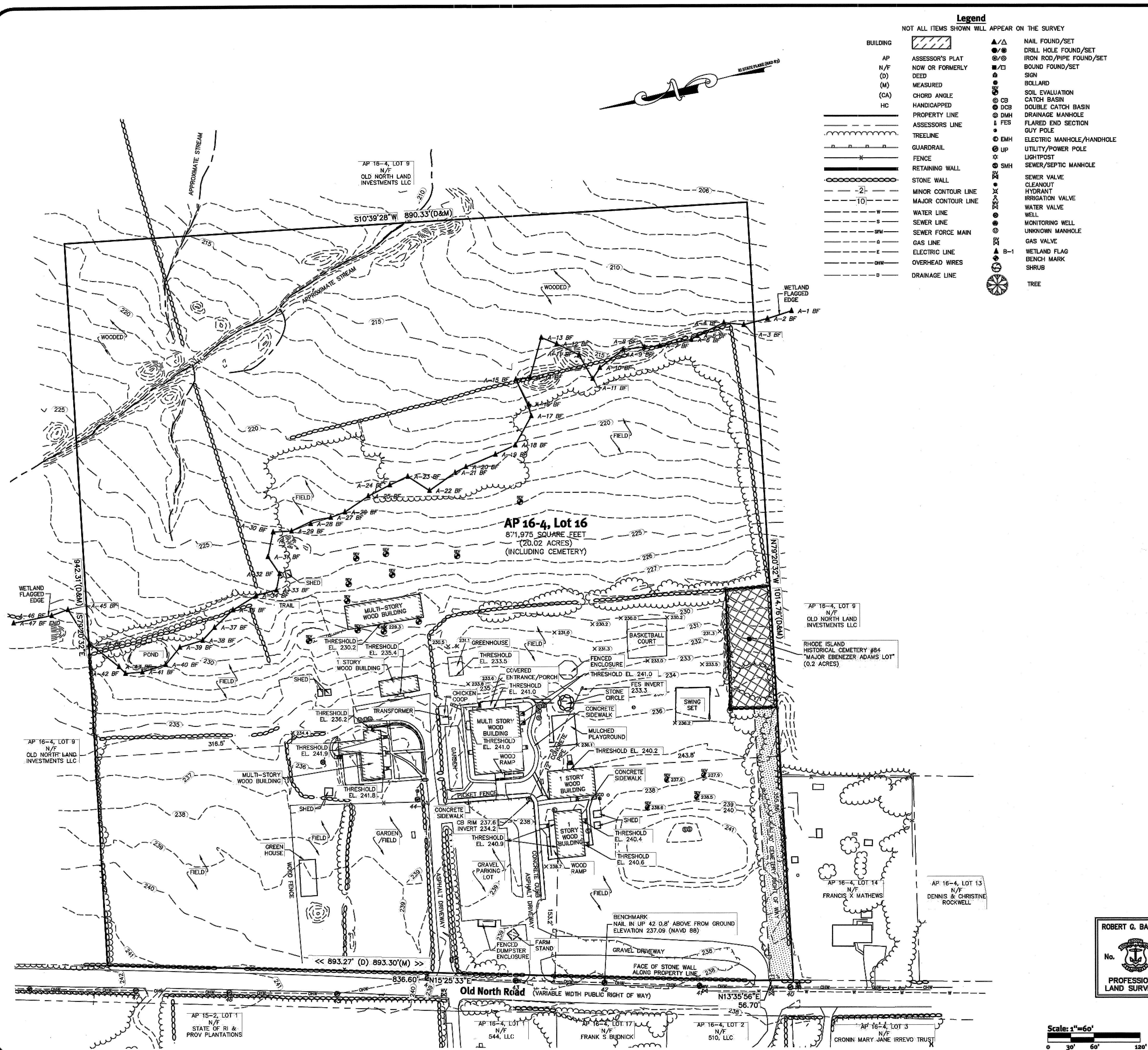
DATE	REV. #	DESCRIPTION
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**REVISIONS:**

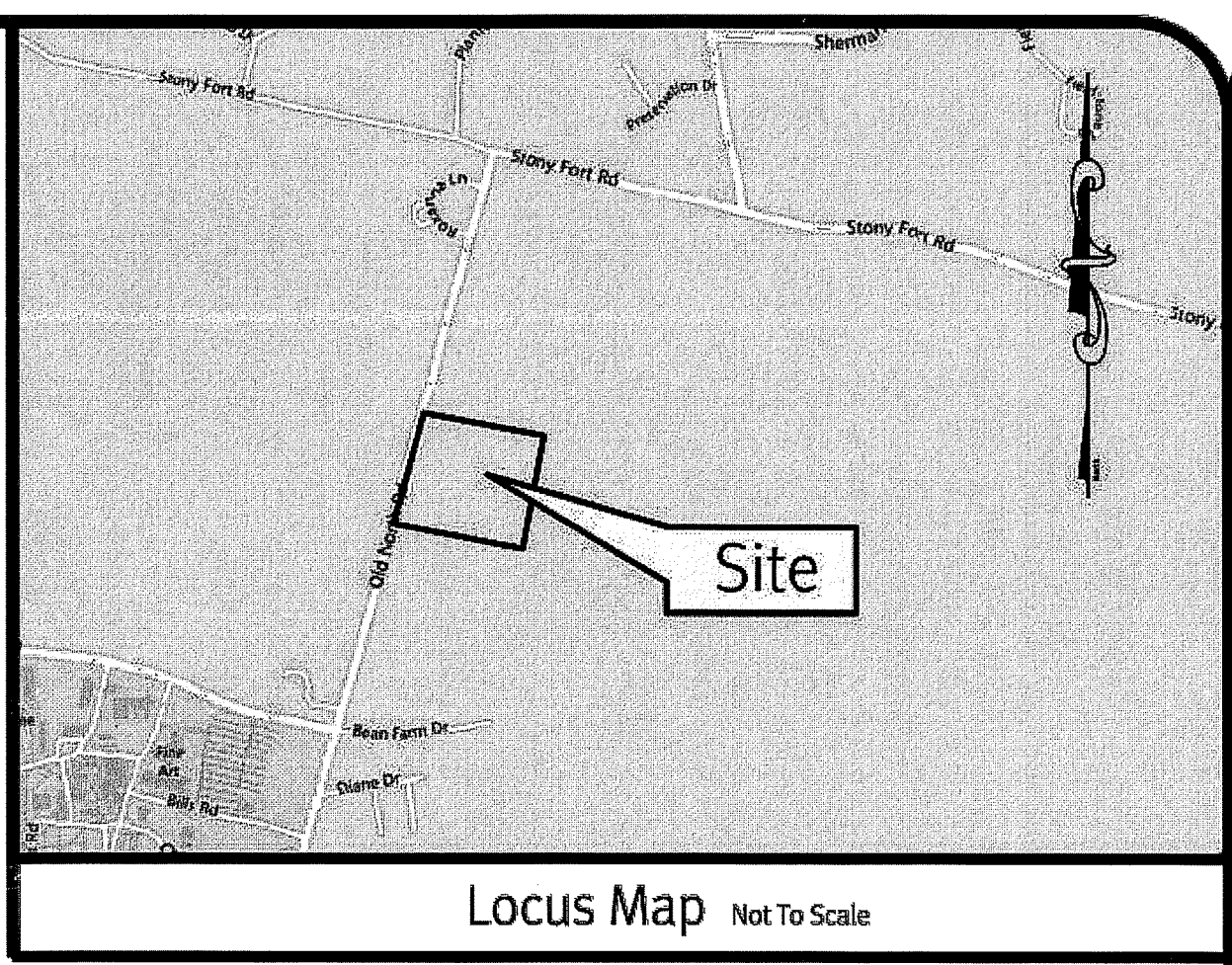
DATE: 19 APRIL, 2019  
JOB No:  
DRWN BY: D.M.D.  
CHECKED BY: D.M.D.  
SCALE: AS NOTED

**C1.0**

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- Legend**  
NOT ALL ITEMS SHOWN WILL APPEAR ON THE SURVEY
- |                 |                    |  |                           |
|-----------------|--------------------|--|---------------------------|
| <b>BUILDING</b> |                    |  | NAIL FOUND/SET            |
| AP              | ASSESSOR'S PLAT    |  | DRILL HOLE FOUND/SET      |
| N/F             | NOW OR FORMERLY    |  | IRON ROD/PIPE FOUND/SET   |
| (D)             | DEED               |  | BOUND FOUND/SET           |
| (M)             | MEASURED           |  | SOIL EVALUATION           |
| (CA)            | CHORD ANGLE        |  | SIGN                      |
| HC              | HANDICAPPED        |  | SOIL EVALUATION           |
|                 | PROPERTY LINE      |  | CATCH BASIN               |
|                 | ASSESSOR'S LINE    |  | DOUBLE CATCH BASIN        |
|                 | TREELINE           |  | DRAINAGE MANHOLE          |
|                 | GUARDRAIL          |  | FLARED END SECTION        |
|                 | FENCE              |  | GUY POLE                  |
|                 | RETAINING WALL     |  | ELECTRIC MANHOLE/HANDHOLE |
|                 | STONE WALL         |  | UTILITY/POWER POLE        |
|                 | MINOR CONTOUR LINE |  | LIGHTPOST                 |
|                 | MAJOR CONTOUR LINE |  | SEWER/SEPTIC MANHOLE      |
|                 | WATER LINE         |  | SEWER VALVE               |
|                 | SEWER LINE         |  | CLEANOUT                  |
|                 | SEWER FORCE MAIN   |  | HYDRANT                   |
|                 | GAS LINE           |  | IRRIGATION VALVE          |
|                 | ELECTRIC LINE      |  | WATER VALVE               |
|                 | OVERHEAD WIRES     |  | WELL                      |
|                 | DRAINAGE LINE      |  | MONITORING WELL           |
|                 |                    |  | UNKNOWN MANHOLE           |
|                 |                    |  | GAS VALVE                 |
|                 |                    |  | WETLAND FLAG              |
|                 |                    |  | BENCH MARK                |
|                 |                    |  | SHRUB                     |
|                 |                    |  | TREE                      |



- General Notes**
- THE PARCEL IS FOUND ON ASSESSOR'S PLAT 16-4, LOT 16 IN THE TOWN OF SOUTH KINGSTOWN, WASHINGTON COUNTY, RHODE ISLAND.
  - THE OWNER PER DEED BOOK 1436, PAGE 272 IS THE COMPASS SCHOOL.
  - BASED ON GRAPHICAL PLOTTING ONLY, THE PARCEL IS LOCATED IN X PER FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP #40800185H, DATED OCTOBER 19, 2010. THIS DESIGNATION MAY CHANGE BASED UPON REVIEW BY A FLOOD ZONE SPECIALIST OR BY THE RESULTS OF A COMPREHENSIVE FLOOD STUDY.
  - THE PARCEL IS ZONED R 40 BASED ON THE TOWN OF SOUTH KINGSTOWN GIS MAP. ANY OVERLAY DISTRICTS, SPECIAL PERMITS OR VARIANCES SPECIFIC TO THIS SITE ARE NOT TAKEN INTO CONSIDERATION. PLEASE CONTACT THE ZONING DEPARTMENT FOR ANY ADDITIONAL INFORMATION OR FOR A CERTIFICATE OF ZONING.
  - THERE WAS A CEMETERY, GRAVE SITES AND OR BURIAL GROUNDS OBSERVED WITHIN THE LIMITS OF THE SURVEY.
  - FIELD SURVEY PERFORMED BY DIPRETE ENGINEERING BETWEEN JUNE 11-19. THIS PLAN REFLECTS ON THE GROUND CONDITIONS AS OF THAT DATE.
  - THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT. DIPRETE ENGINEERING IS NOT RESPONSIBLE FOR ANY UNKNOWN OR UNRECORDED EASEMENTS, DEEDS OR CLAIMS THAT A TITLE REPORT WOULD DISCLOSE.
  - PLEASE REFER TO RHODE ISLAND GENERAL LAW § 23-23-18-11 FOR BUILDING REQUIREMENTS AROUND A HISTORIC CEMETERY.
  - DIPRETE ENGINEERING IS NOT RESPONSIBLE FOR AN ARCHAEOLOGICAL INVESTIGATION NEEDED TO DETERMINE THE BOUNDARIES OF THE UNMARKED CEMETERY AS REQUIRED BY RHODE ISLAND GENERAL LAW § 23-23-18-11 SUBSECTION 2C.
  - SOME PLANIMETRIC FEATURES WERE STEREO COMPILED AT A SCALE OF 1"=40' BY COL EAST, INC., P.O. BOX 347 HARRIMAN & WEST AIRPORT, NORTH ADAMS, MA 01247, SUB CONSULTANTS TO THE OWNER/DEVELOPER, FROM BLACK AND WHITE PHOTOGRAPHY AND FIT TO GROUND CONTROL POINTS SURVEYED BY DEA FEBRUARY, 2006.

- Plan References:**
- LAND OF KINGSTOWN IN THE TOWN OF SOUTH KINGSTOWN, RI PROPERTY OF DOROTHY M. PECKHAM. PLAN BY AJ EASTERBROOKS, CE. DATED NOVEMBER, 1977. PLAN BOOK 16, PAGE 1470.
  - PLAT SHOWING SURVEY OF CERTAIN LAND DOROTHY M. PECKHAM, LOCATED IN KINGSTOWN, RECEIVED FOR RECORD ON JANUARY 17, 1968. HOWEVER RECORDED AND REVISED IN THE TOWN OF SOUTH KINGSTOWN'S LAND EVIDENCE RECORDS.

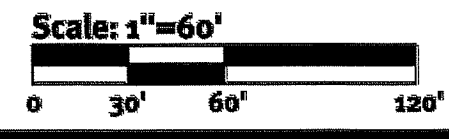
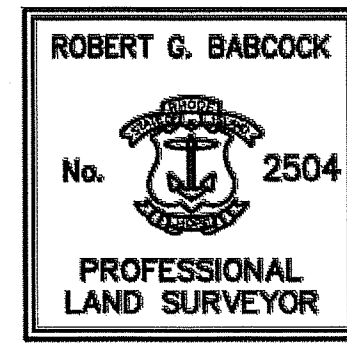
- Datum Note:**
- ELEVATIONS SHOWN HEREON, IN U.S. SURVEY FEET, ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88), AS DETERMINED BY DIPRETE ENGINEERING USING REAL TIME KINEMATIC G.P.S. OBSERVATIONS.
  - TOPOGRAPHY WITHIN FIELD AND WOODED SECTIONS BY COL EAST, P.O. BOX 347 HARRIMAN & WEST AIRPORT, NORTH ADAMS, MA 01247 AND GROUND FIELD SURVEY BY DIPRETE ENGINEERING. NINETY PERCENT OF THE TOPOGRAPHY AS DEPICTED IS ACCURATE TO WITHIN HALF THE CONTOUR INTERVAL, AND THE REMAINING TEN PERCENT IS ACCURATE TO WITHIN ONE FULL CONTOUR INTERVAL.

- Utility Notes**
- ALL UNDERGROUND UTILITIES SHOWN ON THIS PLAN WERE PROVIDED BY OTHERS AND ARE APPROXIMATE ONLY. LOCATIONS MUST BE DETERMINED IN THE FIELD BEFORE DESIGNING, EXCAVATION, BLASTING, INSTALLING, BACKFILLING, GRADING, PAVEMENT RESTORATION OR REPAIRING. ALL UTILITY COMPANIES, PUBLIC AND PRIVATE, MUST BE CONTACTED INCLUDING THOSE IN CONTROL OF UTILITIES NOT SHOWN ON THIS SURVEY. (PLEASE CONTACT DIGSAFE 72 WORKING HOURS PRIOR TO ANY CONSTRUCTION AT 1-888-344-7233). DIPRETE ENGINEERING IS NOT RESPONSIBLE FOR MISSING UNDERGROUND UTILITIES, EITHER IN SERVICE OR ABANDONED, NOT OBSERVED AT THE TIME OF THE SURVEY. DIPRETE ENGINEERING ASSUMES NO RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES OMITTED OR INACCURATELY SHOWN.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED NOV 14 2019 FILE # 19-0176  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE  
*Robert G. Babcock*

SEP 26 2019  
SEP 26 2019  
SEP 26 2019

**Certification**  
THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON JANUARY 1, 2016, AS FOLLOWS:  
TYPE OF SURVEY: COMPREHENSIVE BOUNDARY SURVEY  
MEASUREMENT SPECIFICATION: CLASS 1 TOPOGRAPHIC SURVEY CLASS T-2/T-3  
THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND FOR THE PREPARATION OF THE PLAN IS AS FOLLOWS: PERIMETER RETRACEMENT FOR THE PURPOSE OF SITE ENGINEERING AND PERMITTING.



**DIPRETE Engineering**  
Two Stafford Court, Cranston, RI 02920  
tel: 401-943-1000 fax: 401-943-6006 www.diprete-eng.com

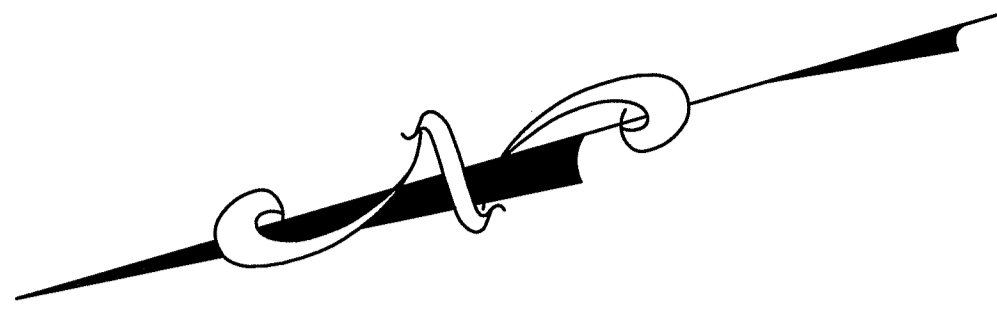
**Boston • Providence • Newport**

**Boundary/Topographic Survey**  
**The Compass School**  
South Kingstown, Rhode Island

**Torredo Architects**  
35 Greenwich Street,  
Providence, Rhode Island 02907  
DE REG. NO. 2835-001 Copyright 2019 by Diprete Engineering Associates, Inc.

**Robert G. Babcock**  
No. 2504  
PROFESSIONAL LAND SURVEYOR

1 OF 1  
SHEET 3 OF 15

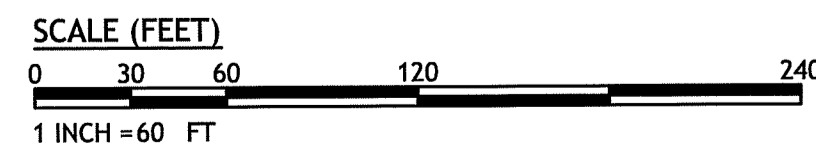


**CLASS I PROPERTY LINE AND TOPOGRAPHIC SURVEY CONDUCTED BY:**

**DiPrete Engineering**

Two Stafford Court Cranston, RI 02920  
tel 401-943-1000 fax 401-464-6006  
www.diprete-eng.com

**NOTE:**  
THE LOCATION AND DEPTHS OF EXISTING UTILITIES ARE APPROXIMATE AND HAVE BEEN PLOTTED FROM THE LATEST AVAILABLE INFORMATION. THE UTILITY LOCATIONS ARE APPROXIMATE AND MAY NOT BE ALL INCLUSIVE. THE CONTRACTOR SHALL CHECK AND VERIFY THE LOCATION OF ALL EXISTING UTILITIES, BOTH OVERHEAD AND UNDERGROUND, AND "DIG-SAFE" MUST BE NOTIFIED PRIOR TO COMMENCING ANY CONSTRUCTION OPERATIONS. RESTORATION AND REPAIR OF DAMAGE TO EXISTING UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR WITH NO ADDITIONAL COST TO THE OWNER. NO EXCAVATION SHALL COMMENCE UNTIL ALL INVOLVED UTILITY COMPANIES AND/OR TOWN WORKS FACILITIES MIGHT BE AFFECTED BY ANY WORK TO BE PERFORMED BY THE CONTRACTOR ARE NOTIFIED AT LEAST 72 HOURS IN ADVANCED.



ZONING CRITERIA	REQUIRED	EXISTING
ZONING DISTRICT	R-40	R-40
MINIMUM LOT AREA	40,000 Sq. Ft.	871,975 Sq. Ft.
MINIMUM LOT FRONTAGE	150'	893.3'
MINIMUM FRONT YARD SETBACK	40'	248.7'
MINIMUM SIDE YARD SETBACK	20'	316.2'
MINIMUM REAR YARD SETBACK	40'	484.0'
MAXIMUM BUILDING HEIGHT	35' / 20' ACCSY.	4' 35'
MAXIMUM LOT BLD. COVERAGE	20%	1.4%

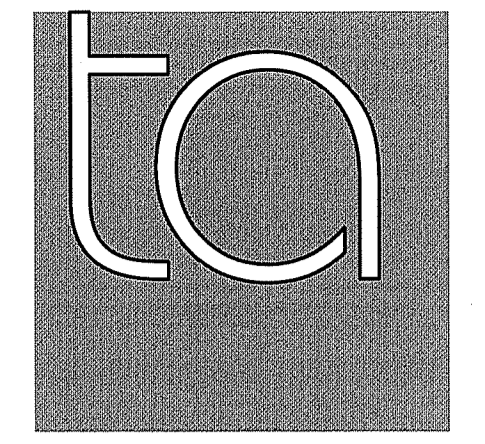


**NOTES:**

- INFORMATION BY DETEC PROVIDED ON THIS EXISTING CONDITIONS PLAN IS TO AUGMENT THE BASE SURVEY FOR PERMITTING AND DESIGN WITH THE ADDITION OF SITE SPECIFIC FEATURES AND SITE UTILITIES TAKEN FROM RECORDS AND SITE ON-THE-GROUND MEASUREMENTS. THE PE STAMP IS AFFIXED FOR THIS INFORMATION ONLY.
- DEMOLITION INFORMATION DEVELOPED BY DETEC.
- BASED ON FEMA FLOOD INSURANCE RATE MAP (FIRM) FOR THE TOWN OF SOUTH KINGSTOWN, COMMUNITY-PANEL NUMBER 0185H, MAP NUMBER 4409C0185G EFFECTIVE DATE OCTOBER 19, 2010, THE SITE IS LOCATED IN ZONE "X" AND OUTSIDE FLOOD ZONES "A, AE, AH OR AO" OTHER AREAS (AREAS DETERMINED TO BE INSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN).
- FRESHWATER WETLAND DELINEATION CONDUCTED BY SOIL EVALUATIONS CONDUCTED BY: ECOSYSTEM SOLUTIONS, INC. 24 KENMORE ST., WEST WARWICK, RI 02893.
- THE SUBJECT PROPERTY DOES NOT HAVE AREAS CONTAINING PRIME AGRICULTURAL SOILS AND FARMLAND SOILS OF STATEWIDE IMPORTANCE.
- THE SUBJECT PROPERTY IS NOT WITHIN A NATURAL HERITAGE AREA, AS DEFINED BY RIDEM.
- THE SUBJECT PROPERTY IS NOT AN AREA UNDER THE JURISDICTION OF THE NARROW RIVER SPECIAL AREA MANAGEMENT PLAN, AS DEFINED BY RI CRMC.
- THE SUBJECT PROPERTY IS NOT AN AREA UNDER THE JURISDICTION OF THE SALT PONDS SPECIAL AREA MANAGEMENT PLAN, AS DEFINED BY RI CRMC.
- THE SUBJECT PROPERTY IS NOT WITHIN THE TOWN OF SOUTH KINGSTOWN GROUNDWATER PROTECTION OVERLAY DISTRICT.
- THE SUBJECT PROPERTY IS NOT IN AREAS WITHIN A TMDL WATERSHED, AS IDENTIFIED BY RIDEM AND THE TOWN OF SOUTH KINGSTOWN.
- THE SUBJECT PROPERTY IS NOT WITHIN AN OWTS CRITICAL RESOURCE AREA, AS DEFINED BY RIDEM.
- THE SUBJECT PROPERTY IS NOT WITHIN A DRINKING WATER SUPPLY WATERSHED, AS DEFINED BY RIDEM.
- THE SUBJECT PROPERTY IS LISTED ON THE NATIONAL REGISTER OF HISTORIC PLACES AS THE POTTER-PECKHAM FARM (KINGSTON HILL FARM (PREFERRED)).

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED NOV 14 2019 FILE # 19-0176  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE  
*Nancy L. Freeman*

SEP 26 2019

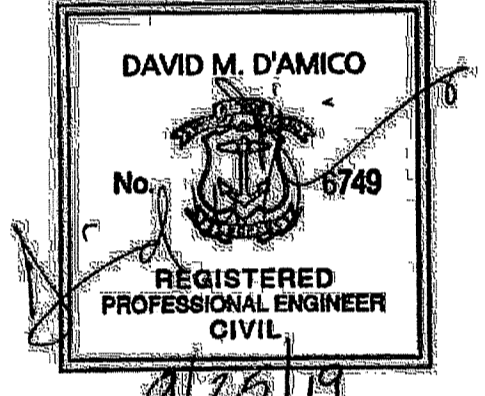


**TORRADO ARCHITECTS**

35 GREENWICH ST.  
PROVIDENCE, RI 02907  
401.781.0633 P  
401.781.0661 F



2380 Mineral Spring Ave., North Providence, RI 02911  
(401) 622-1470 (401) 353-1190 fax: www.deteconline.com



PROJECT:

THE COMPASS SCHOOL RENOVATIONS

CONSTRUCTION SET

EXISTING CONDITIONS AND DEMOLITION PLAN

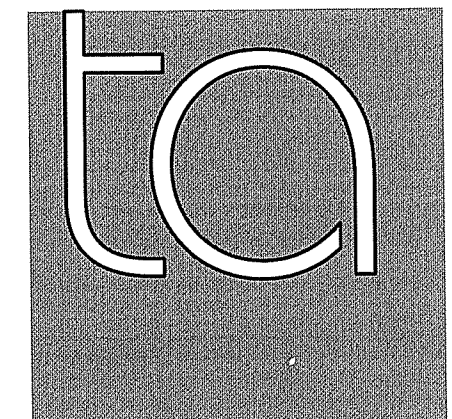
11-19-18	REV. 1	FIRE MARSHAL'S COMMENTS
9-25-19	REV. 2	RIDEM COMMENTS

REVISIONS:

DATE	REV. #	DESCRIPTION
19 APRIL, 2019		

JOB No: DRWN BY: D.M.D. CHECKED BY: D.M.D. SCALE: AS NOTED

**C2.1**  
SHEET 4 OF 15

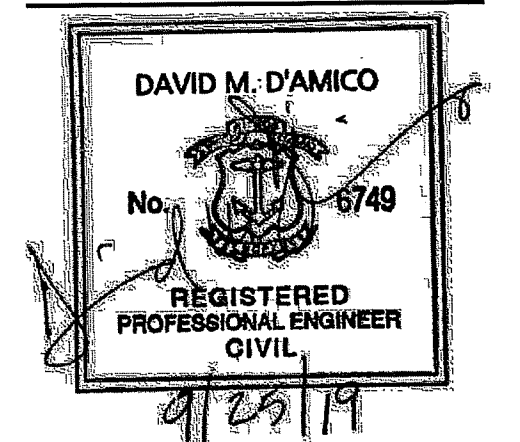


**TORRADO ARCHITECTS**

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PROVIDENCE, RI 02907  
401.781.0633 P  
401.781.0661 F



D'AMICO ENGINEERING TECHNOLOGY, INC.  
Civil - Transportation - Land Use  
2000 Mineral Spring Ave., North Providence, RI 02911  
(401) 853-1470 (401) 355-1162 fax www.damicoet.com



PROJECT:

THE COMPASS SCHOOL RENOVATIONS

CONSTRUCTION SET

CONTENT:

OVERALL SITE PLAN

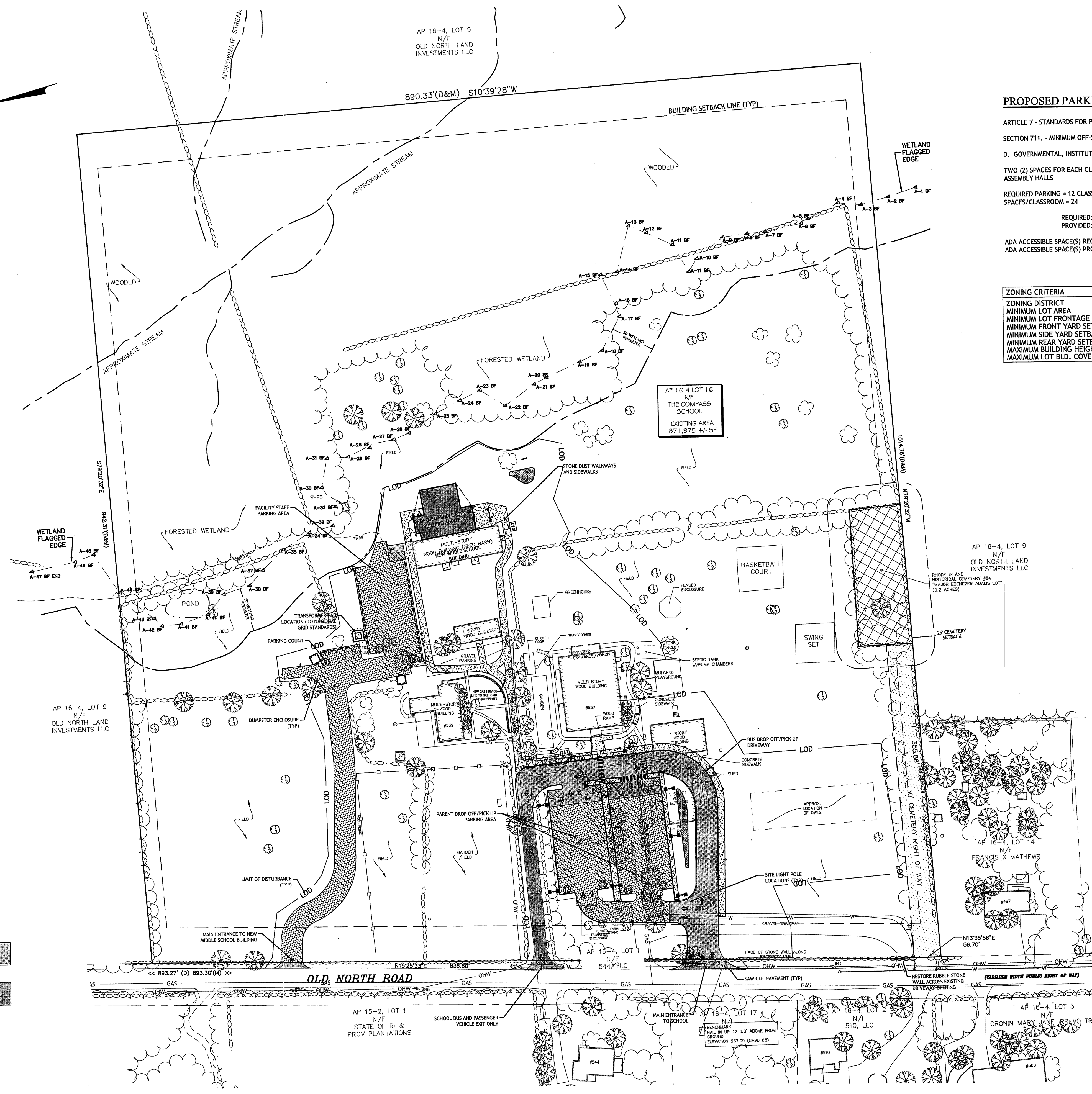
11-19-18	REV. 1	FIRE MARSHAL'S COMMENTS
9-25-19	REV. 2	RIDEM COMMENTS

DATE	REV. #	DESCRIPTION
------	--------	-------------

DATE: 19 APRIL, 2019  
JOB No.:  
DRWN BY: D.M.D.  
CHECKED BY: D.M.D.  
SCALE: AS NOTED

**C3.0**

SHEET 5 OF 15



**PROPOSED PARKING CALCULATION(S):**

ARTICLE 7 - STANDARDS FOR PARKING LOTS AND LOADING FACILITIES  
SECTION 711. - MINIMUM OFF-STREET PARKING REQUIREMENTS

D. GOVERNMENTAL, INSTITUTIONAL AND EDUCATIONAL, ELEMENTARY SCHOOLS (PRIVATE)

TWO (2) SPACES FOR EACH CLASSROOM PLUS 1 FOR EVERY 5 SEATS IN AUDITORIUMS OR ASSEMBLY HALLS

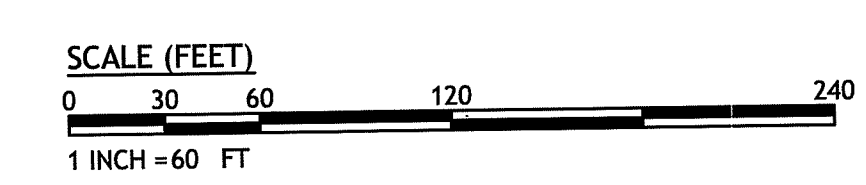
REQUIRED PARKING = 12 CLASSROOMS (NO AUDITORIUMS OR ASSEMBLY HALLS) X 2 SPACES/CLASSROOM = 24

REQUIRED: 24 SPACES  
PROVIDED: 80 SPACES + 5 LARGE SCHOOL BUS SPACES

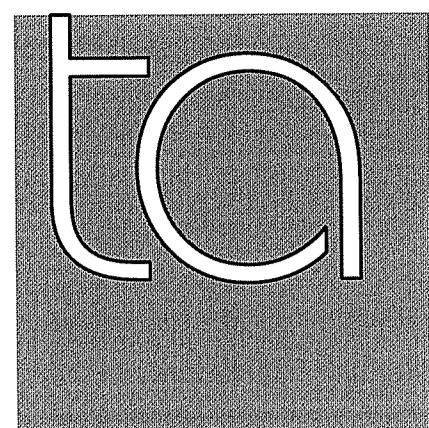
ADA ACCESSIBLE SPACE(S) REQUIRED: 4  
ADA ACCESSIBLE SPACE(S) PROVIDED: 5

ZONING CRITERIA	REQUIRED	EXISTING	PROPOSED
ZONING DISTRICT	R-40	R-40	R-40
MINIMUM LOT AREA	40,000 Sq.Ft	871,975 Sq.Ft	871,975 Sq.Ft
MINIMUM LOT FRONTAGE	150'	893.3'	893.3'
MINIMUM FRONT YARD SETBACK	40'	248.7'	248.7'
MINIMUM SIDE YARD SETBACK	20'	316.2'	316.2'
MINIMUM REAR YARD SETBACK	40'	484.0'	432.5'
MAXIMUM BUILDING HEIGHT	35' / 20' ACCSY.	< 35'	< 35'
MAXIMUM LOT BLD. COVERAGE	20%	1.4%	1.7%

LEGEND FOR PAVEMENT TREATMENT:  
NEW BIT. CONC. BUS DRIVEWAY AREA (FULL DEPTH CONSTRUCTION)  
RE-SURFACE EXISTING DRIVEWAY AREA (ABOVE ERODIBLE SOIL SURFACE)



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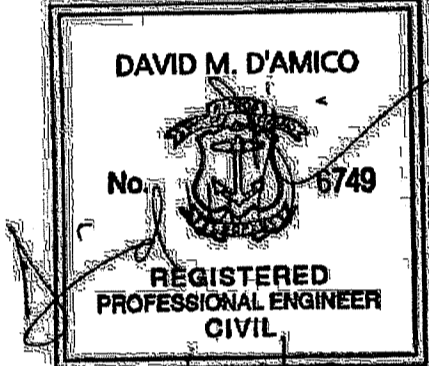


TORRADO ARCHITECTS

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PROVIDENCE, RI 02907  
401.781.0633 P  
401.781.0661 F



D'AMICO ENGINEERING TECHNOLOGY, INC.  
Civil, Transportation, Land Use  
2080 Mineral Spring Ave., North Providence, RI 02911  
(401) 855-4100 (401) 855-1180 Fax www.damicoengineering.com



PROJECT:

THE COMPASS SCHOOL RENOVATIONS

CONSTRUCTION SET

CONTENT:

SITE PLAN NO. 1

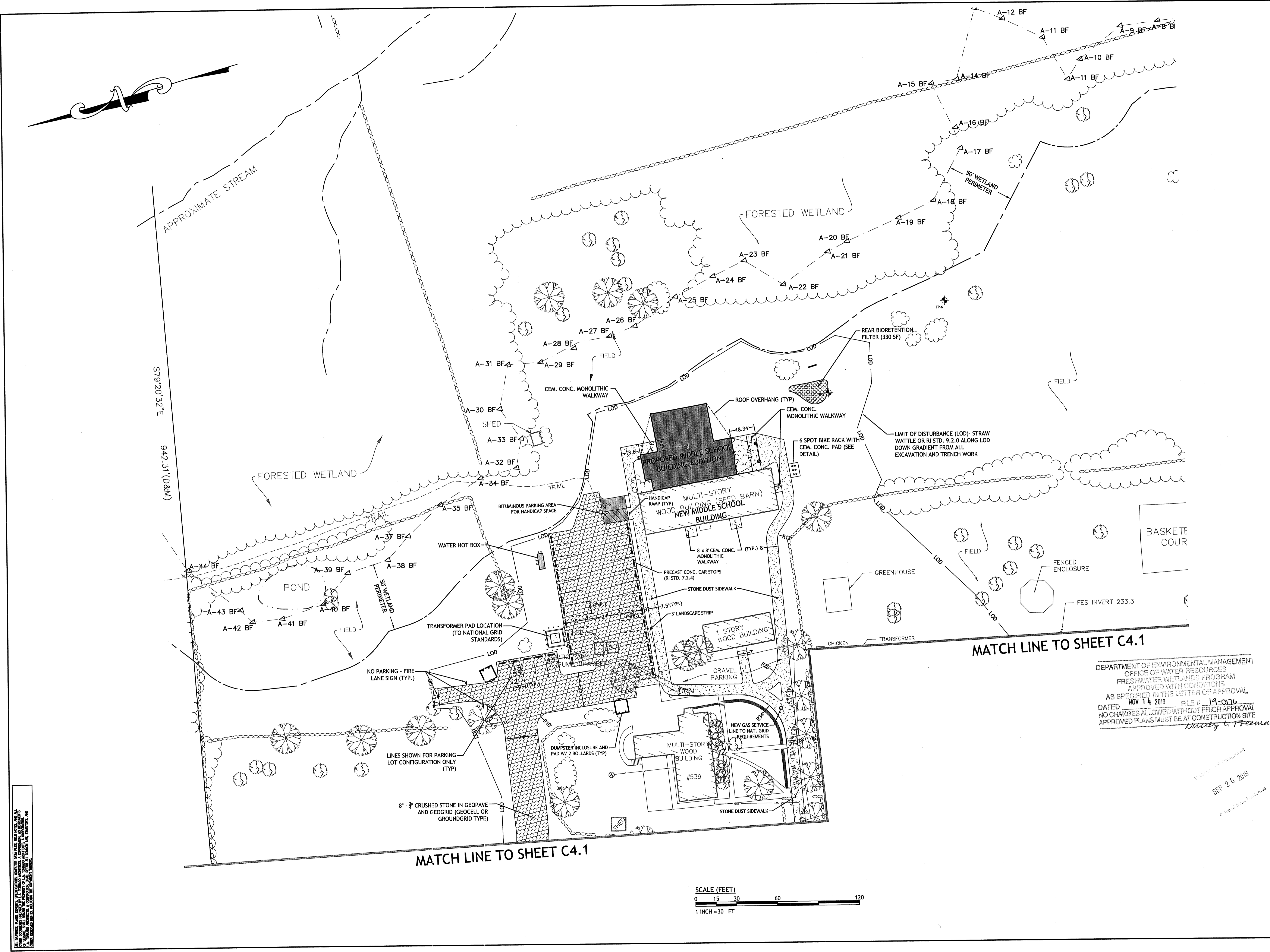
11-19-18 REV. 1 FIRE MARSHAL'S COMMENTS  
9-25-19 REV. 2 RIDEM COMMENTS

DATE: REV. # DESCRIPTION  
REVISIONS:

DATE: 19 APRIL, 2019  
JOB No.:  
DRWN BY: D.M.D.  
CHECKED BY: D.M.D.  
SCALE: AS NOTED

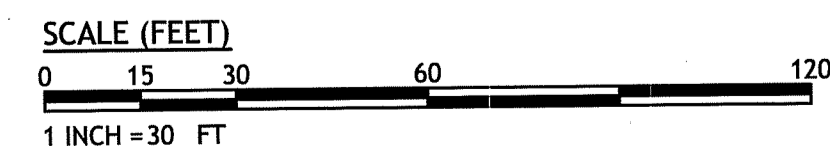
C4.0

SHEET 6 OF 15

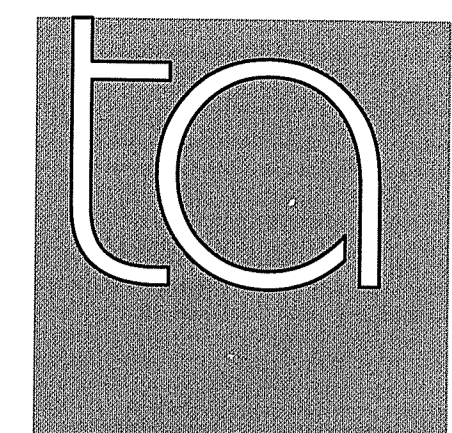


DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED NOV 14 2019 FILE # 19-016  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE  
*Walter G. Freeman*

SEP 26 2019

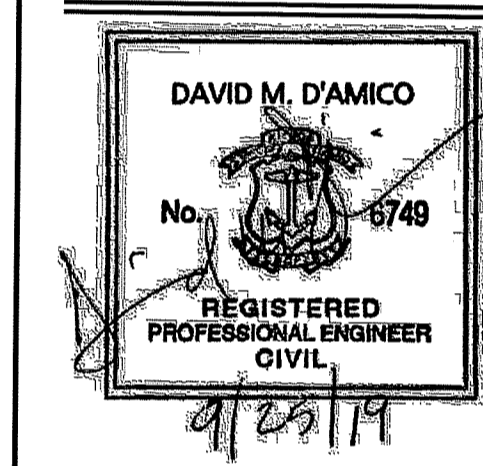


ALL DIMENSIONS, UNLESS OTHERWISE SPECIFIED, SHALL BE IN FEET AND INCHES. ALL DIMENSIONS SHALL BE TO THE CENTERLINE OF THE ELEMENTS UNLESS OTHERWISE SPECIFIED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.



TORRADO ARCHITECTS

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PROVIDENCE, RI 02907  
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401.781.0661 F



PROJECT:  
  
THE COMPASS SCHOOL RENOVATIONS

CONSTRUCTION SET  
CONTENT:

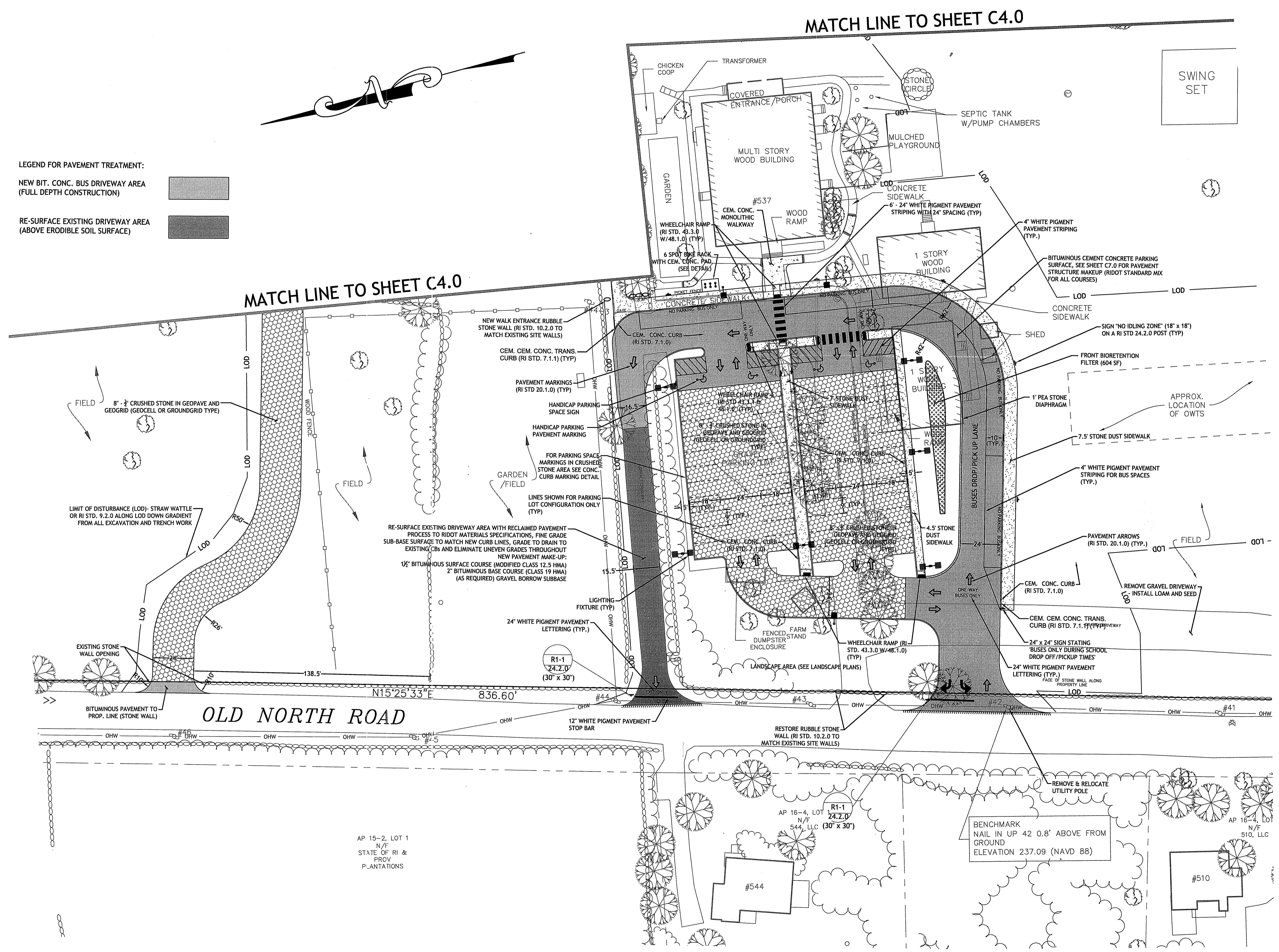
SITE PLAN NO. 2

11-19-18	REV. 1	FIRE MARSHAL'S COMMENTS
9-25-19	REV. 2	RIDEM COMMENTS

DATE	REV. #	DESCRIPTION
REVISIONS:		

DATE:	19 APRIL, 2019
JOB No.:	
DRWN BY:	D.M.D.
CHECKED BY:	D.M.D.
SCALE:	AS NOTED

C4.1  
SHEET 7 OF 15



LEGEND FOR PAVEMENT TREATMENT:

NEW BIT. CONC. BUS DRIVEWAY AREA (FULL DEPTH CONSTRUCTION)

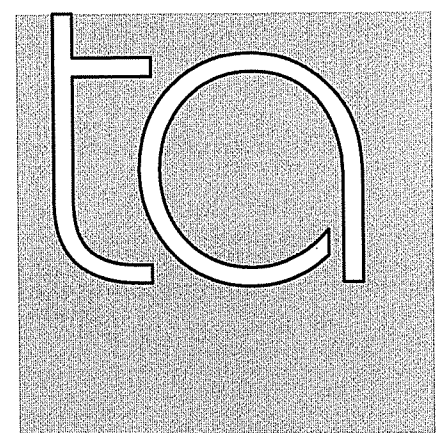
RE-SURFACE EXISTING DRIVEWAY AREA (ABOVE ERODIBLE SOIL SURFACE)

SCALE (FEET)  
0 15 30 60 120  
1 INCH = 30 FT

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED NOV 14 2019 FILE # 19-0176  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Henry J. Freeman*

ALL DIMENSIONS, UNLESS OTHERWISE SPECIFIED, ARE IN FEET AND INCHES. ALL DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE SPECIFIED. ALL DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE SPECIFIED. ALL DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE SPECIFIED.

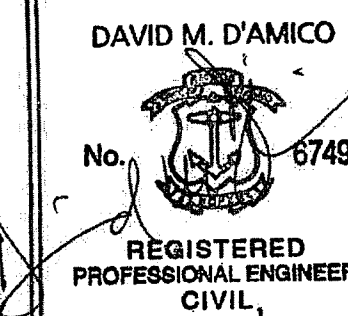


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401.781.0661 F



D'AMICO ENGINEERING TECHNOLOGY, INC.  
Civil - Transportation - Land Use  
2080 Millard Spring Ave., North Providence, RI 02911  
(401) 852-1470 (401) 851-1190 fax www.damicoeng.com



PROJECT:

THE COMPASS SCHOOL RENOVATIONS

CONSTRUCTION SET

CONTENT:

GRADING,  
DRAINAGE AND  
UTILITY PLAN  
NO. 1

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED 11/14/2019 FILE # 19-0116  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE  
*Nancy L. Freeman*  
SEP 26 2019

11-19-18	REV. 1	FIRE MARSHAL'S COMMENTS
9-25-19	REV. 2	RIDEM COMMENTS

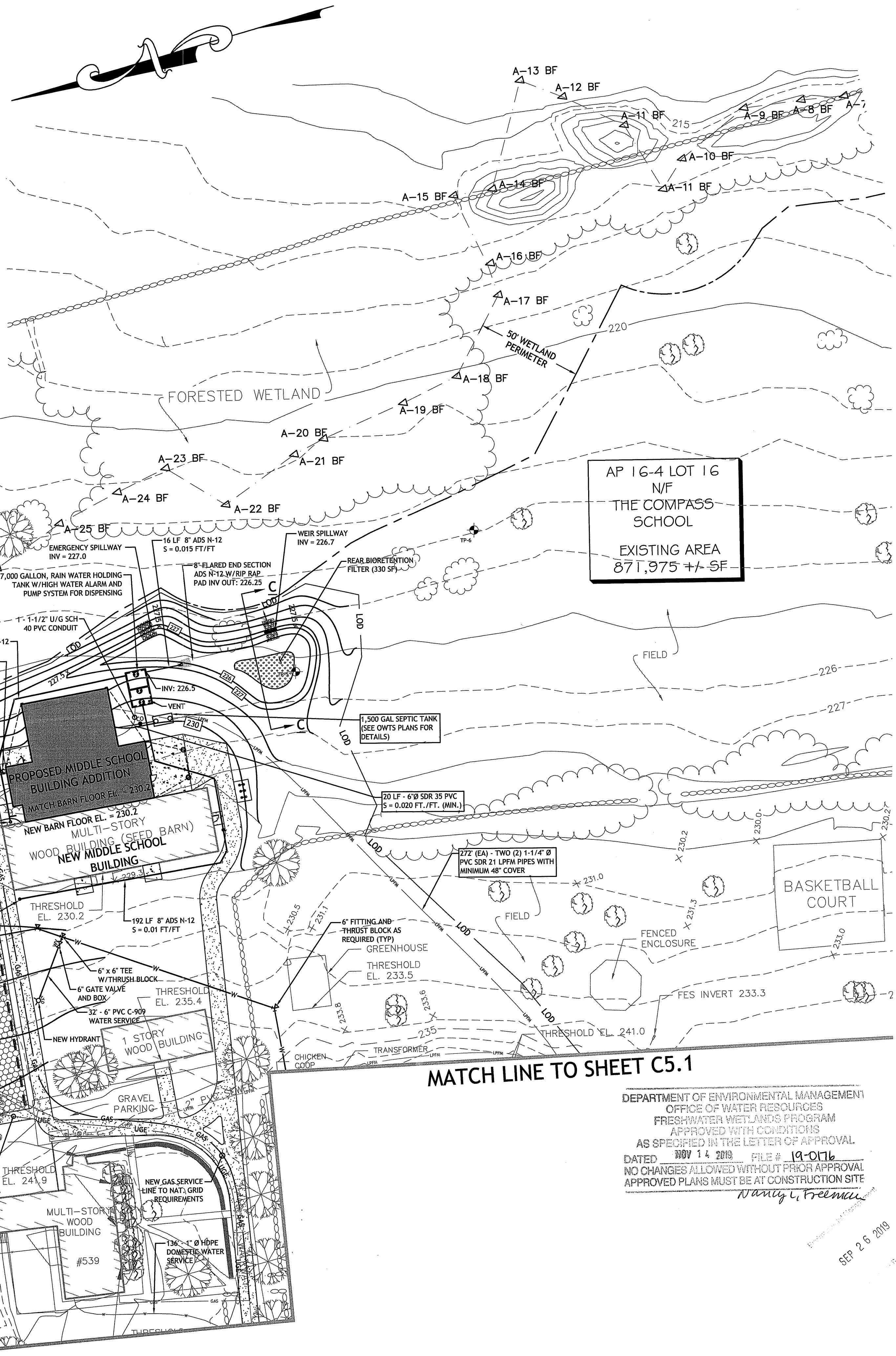
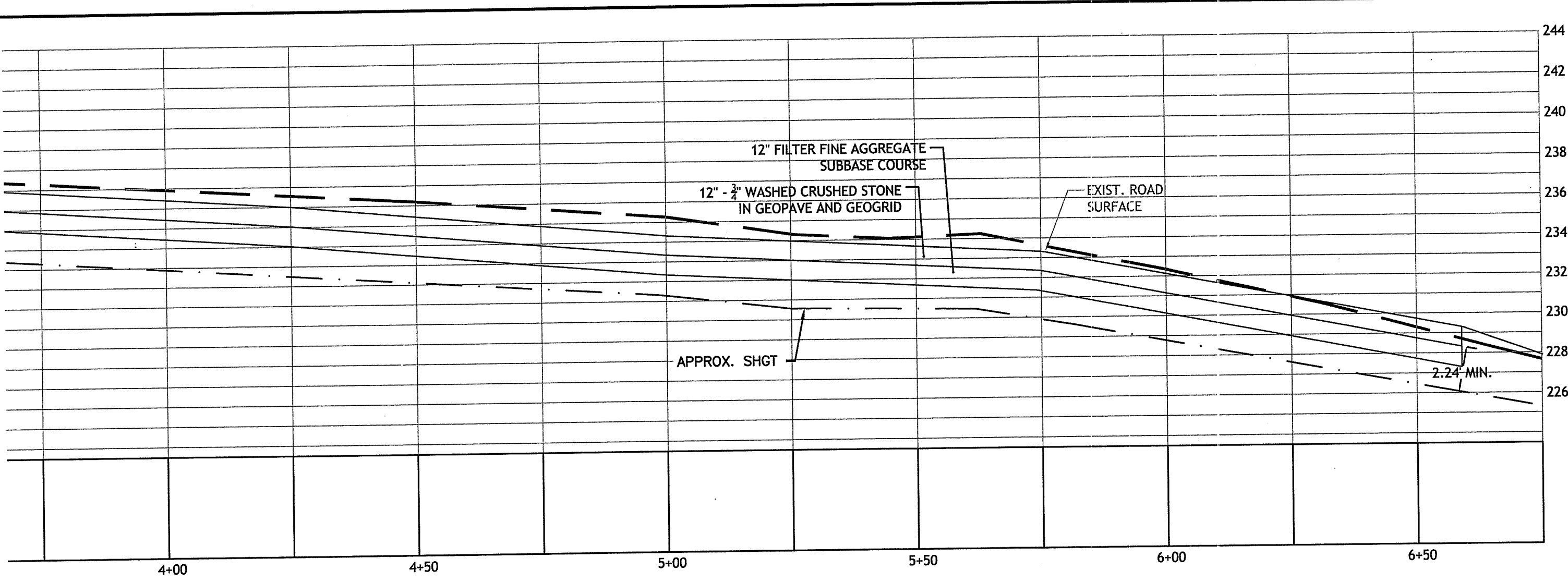
DATE	REV. #	DESCRIPTION
REVISIONS:		

DATE: 19 APRIL, 2019  
JOB No:  
DRWN BY: D.M.D.  
CHECKED BY: D.M.D.  
SCALE: AS NOTED

C5.0  
SHEET 8 OF 15

NORTH DRIVEWAY PROFILE DETAIL STA. 3+75 TO 6+59

HORIZONTAL SCALE: 1"=20'  
VERTICAL SCALE: 1"=6'

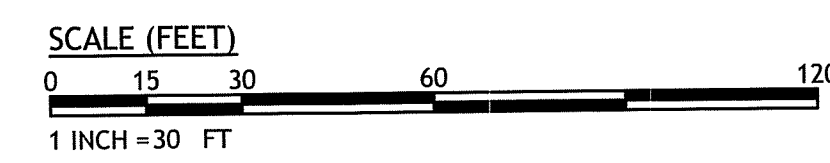


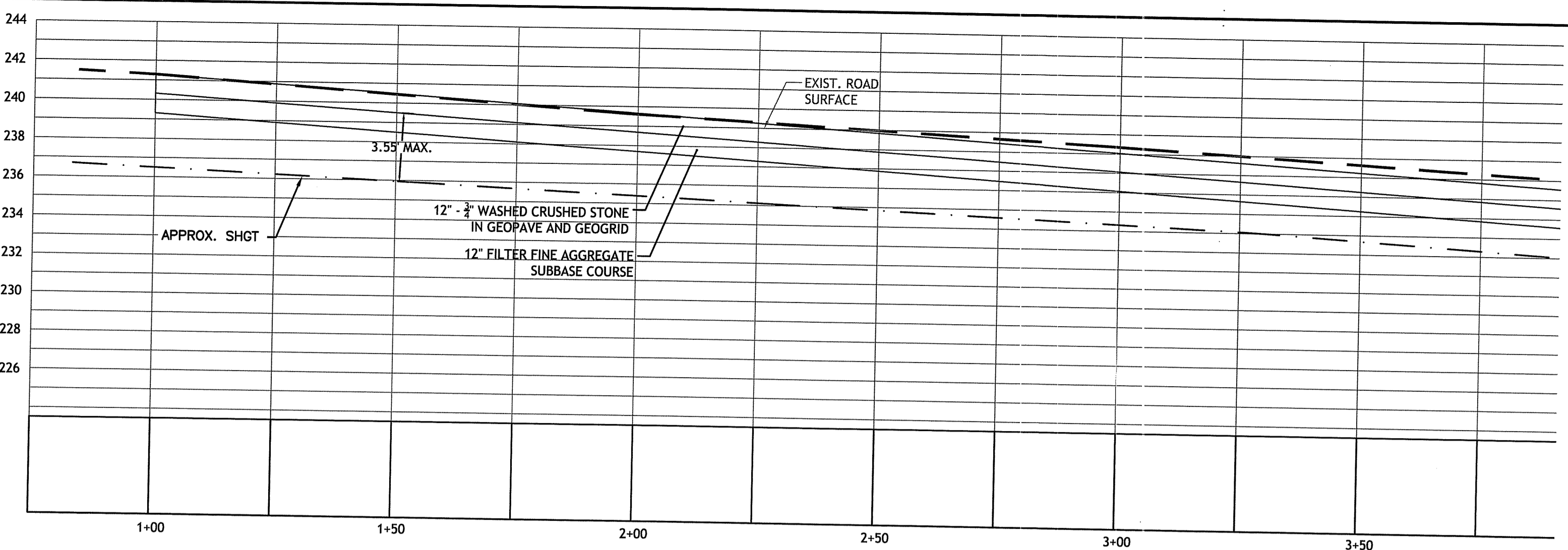
AP 16-4 LOT 16  
N/F  
THE COMPASS  
SCHOOL  
  
EXISTING AREA  
871,975 +/- SF

ALL DIMENSIONS UNLESS OTHERWISE NOTED TO BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR CONSTRUCTION OF PUBLIC WORKS, EDITION 2012, AS AMENDED BY THE RI DEPARTMENT OF TRANSPORTATION AND INFRASTRUCTURE. ALL DIMENSIONS SHALL BE TO THE CENTERLINE UNLESS OTHERWISE NOTED.

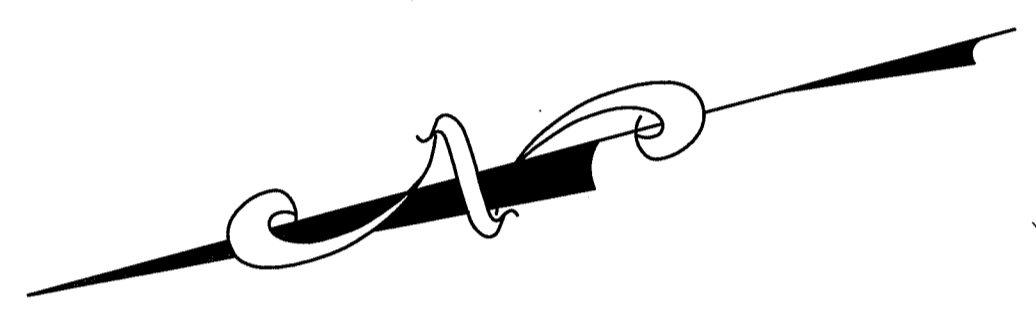
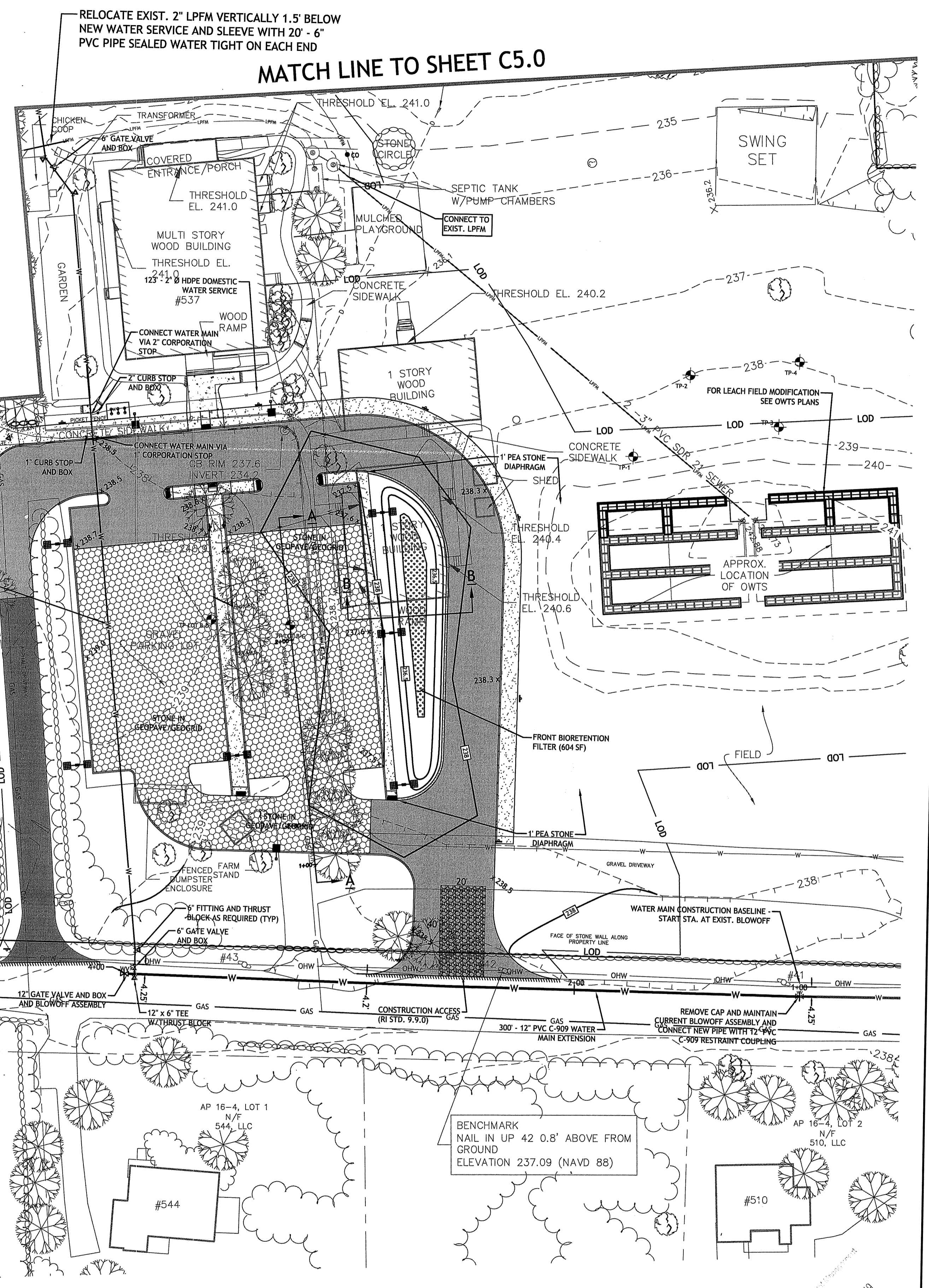
AP 16-4, LOT 9  
N/F  
OLD NORTH  
LAND  
INVESTMENTS  
LLC

MATCH LINE TO SHEET C5.1





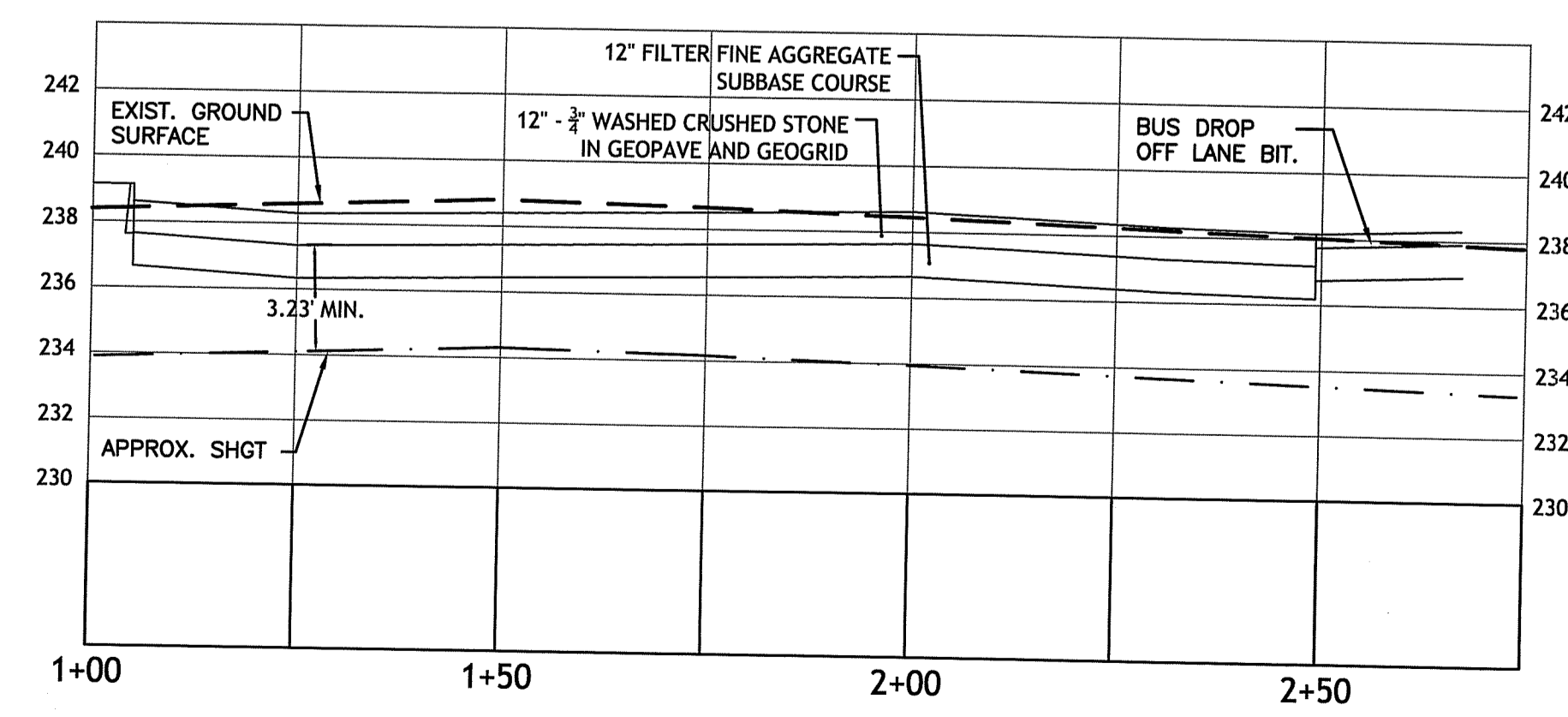
**NORTH DRIVEWAY PROFILE DETAIL STA. 1+00 TO 3+75**  
 HORIZONTAL SCALE: 1"=20'  
 VERTICAL SCALE: 1"=5'



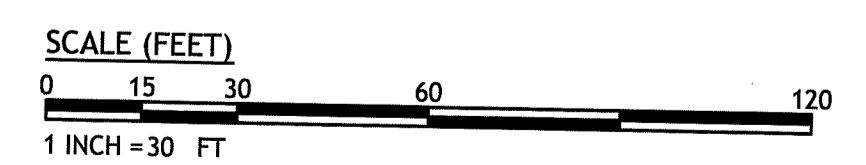
MATCH LINE TO SHEET C5.0

MATCH LINE TO SHEET C5.0

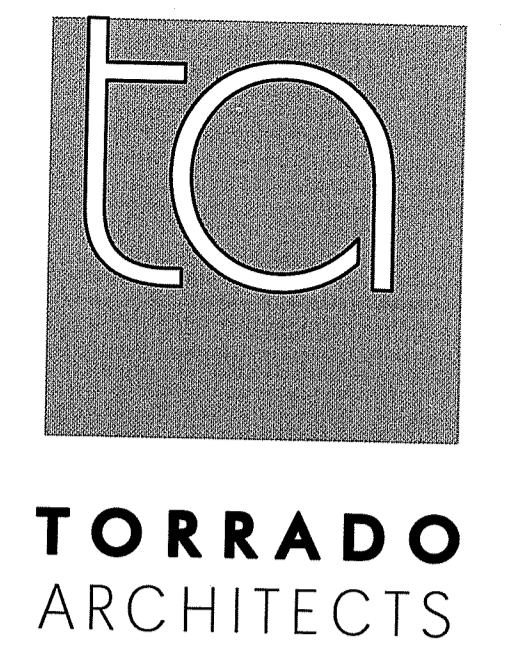
**OLD NORTH ROAD**



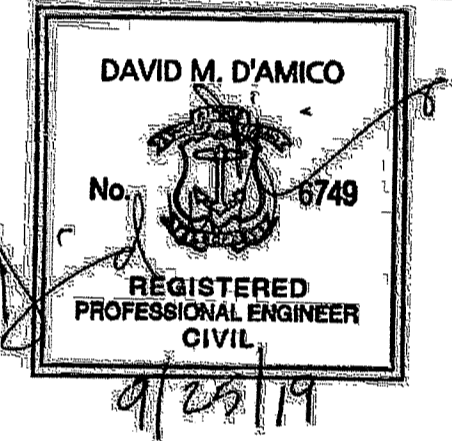
**PARKING LOT PROFILE SECTION (A - A) DETAIL**  
 HORIZONTAL SCALE: 1"=20'  
 VERTICAL SCALE: 1"=5'



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
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 DATED NOV 14 2019 FILE # 19-0116  
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 APPROVED PLANS MUST BE AT CONSTRUCTION SITE  
*Nancy L. Freeman*



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 PROVIDENCE, RI 02907  
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 401.781.0661 F



THE COMPASS SCHOOL RENOVATIONS

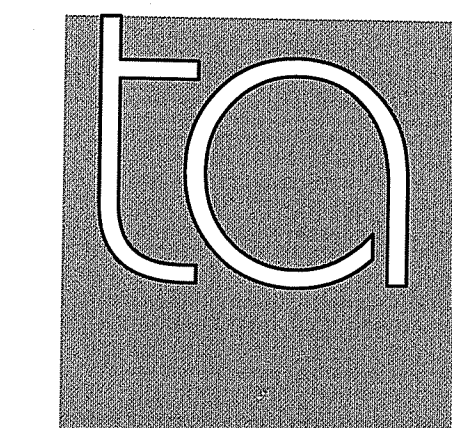
CONSTRUCTION SET

GRADING, DRAINAGE AND UTILITY PLAN NO. 2

11-19-18	REV. 1	FIRE MARSHAL'S COMMENTS
9-25-19	REV. 2	RIDEM COMMENTS

DATE	REV. #	DESCRIPTION
REVISIONS:		
DATE:	19 APRIL, 2019	
JOB No:		
DRWN BY:	D.M.D.	
CHECKED BY:	D.M.D.	
SCALE:	AS NOTED	

**C5.1**  
 SHEET 9 OF 15



**TORRADO**  
ARCHITECTS

35 GREENWICH ST.  
PROVIDENCE, RI 02907  
401.781.0633 P  
401.781.0661 F

**DEtec.**  
D'AMICO ENGINEERING TECHNOLOGY, INC.

DAVID M. D'AMICO  
No. 6749  
REGISTERED PROFESSIONAL ENGINEER  
CIVIL  
9/2014

PROJECT:

THE COMPASS SCHOOL  
RENOVATIONS

CONSTRUCTION SET

CONTENT:

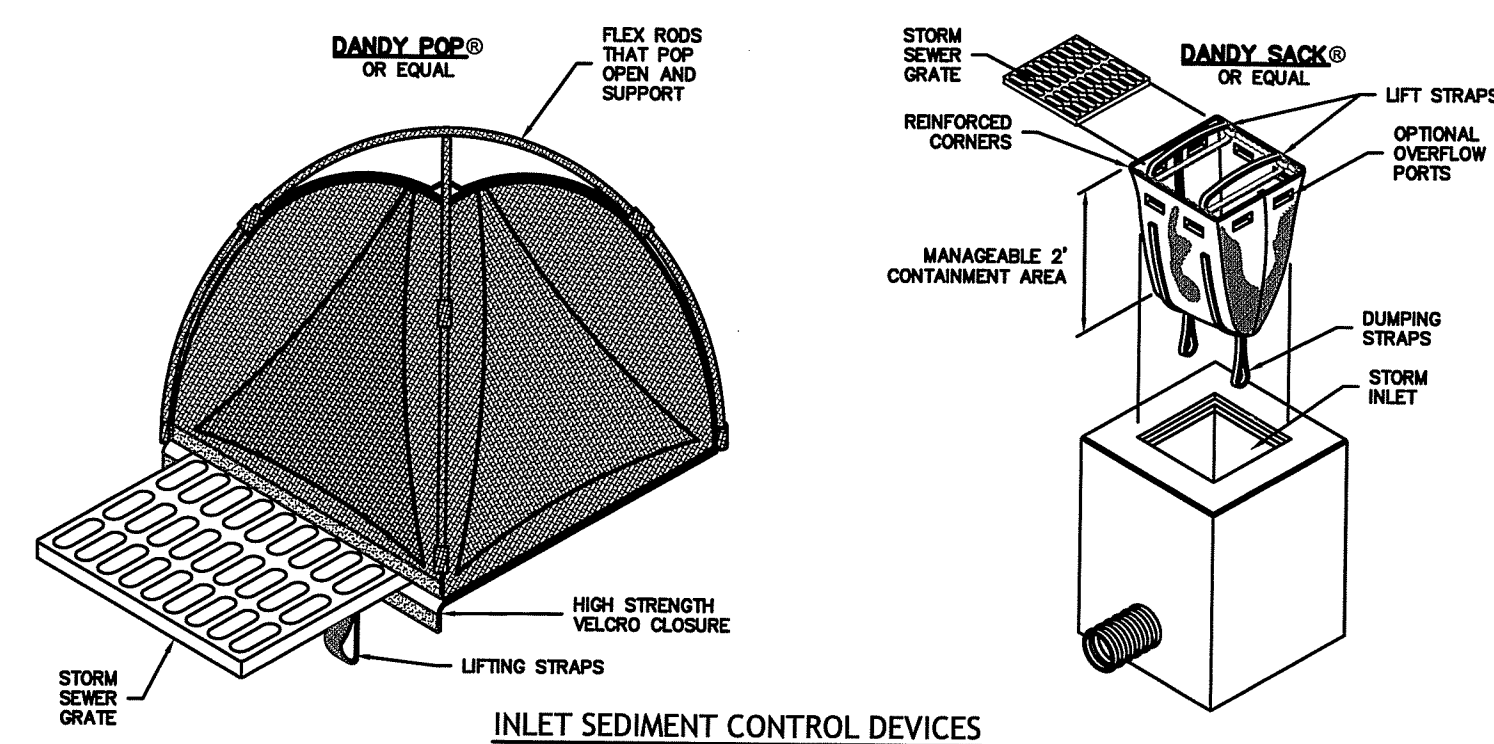
SOIL  
EROSION  
AND  
SEDIMENT  
CONTROL  
PLAN AND  
DETAILS

11-19-18 REV. 1 FIRE MARSHAL'S  
COMMENTS  
9-25-19 REV. 2 RIDEM COMMENTS

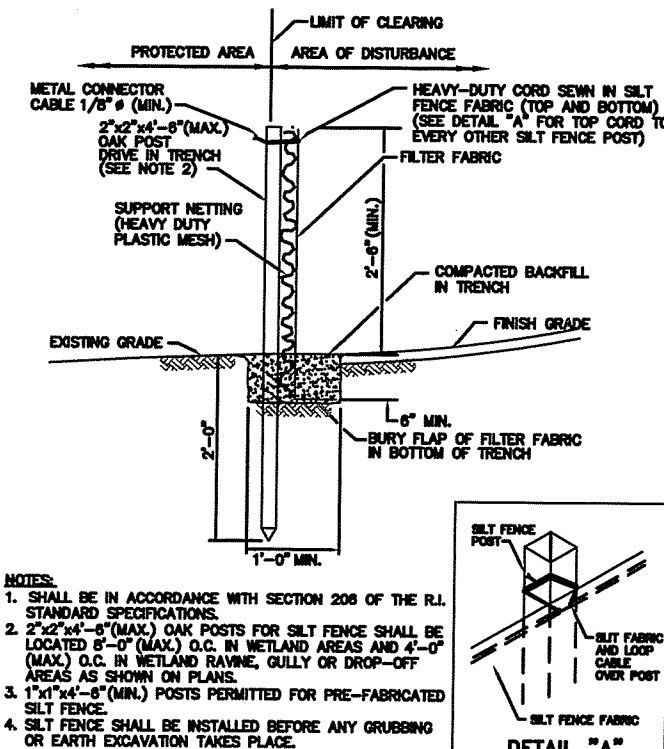
DATE: REV. # DESCRIPTION

REVIEWS:  
DATE: 19 APRIL, 2019  
JOB No: 510, LLC  
DRWN BY: D.M.D.  
CHECKED BY: D.M.D.  
SCALE: AS NOTED

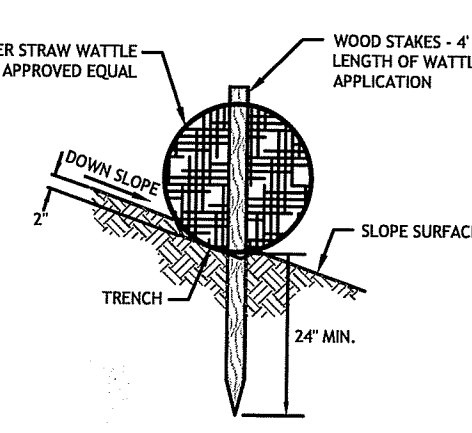
**C6.0**  
SHEET 10 OF 15



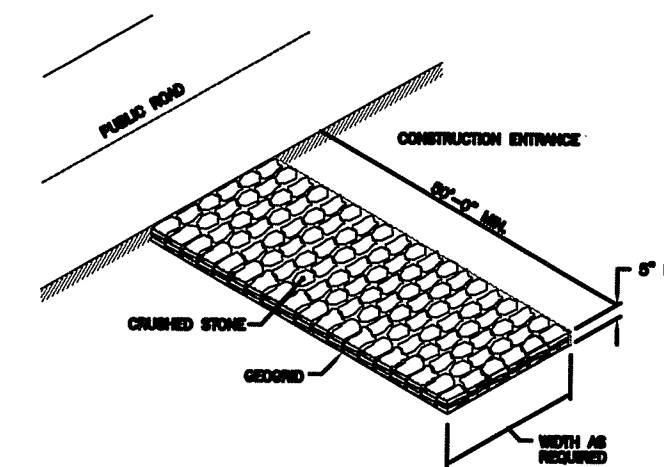
**INLET SEDIMENT CONTROL DEVICES**  
NOT TO SCALE



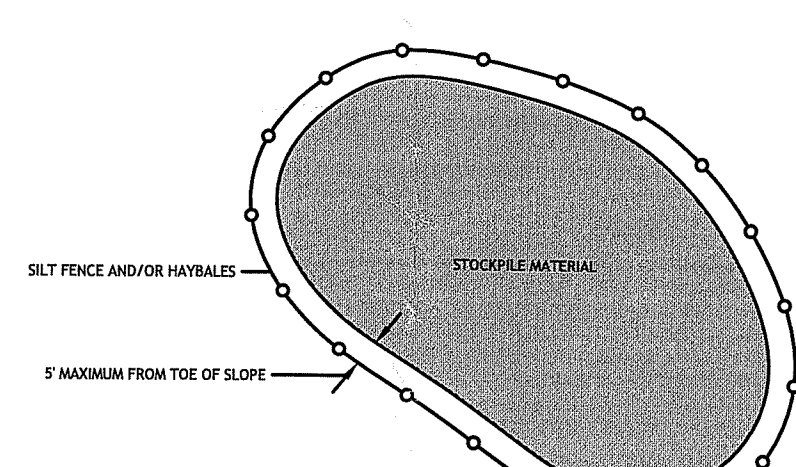
**SILT FENCE DETAIL**  
N.T.S.



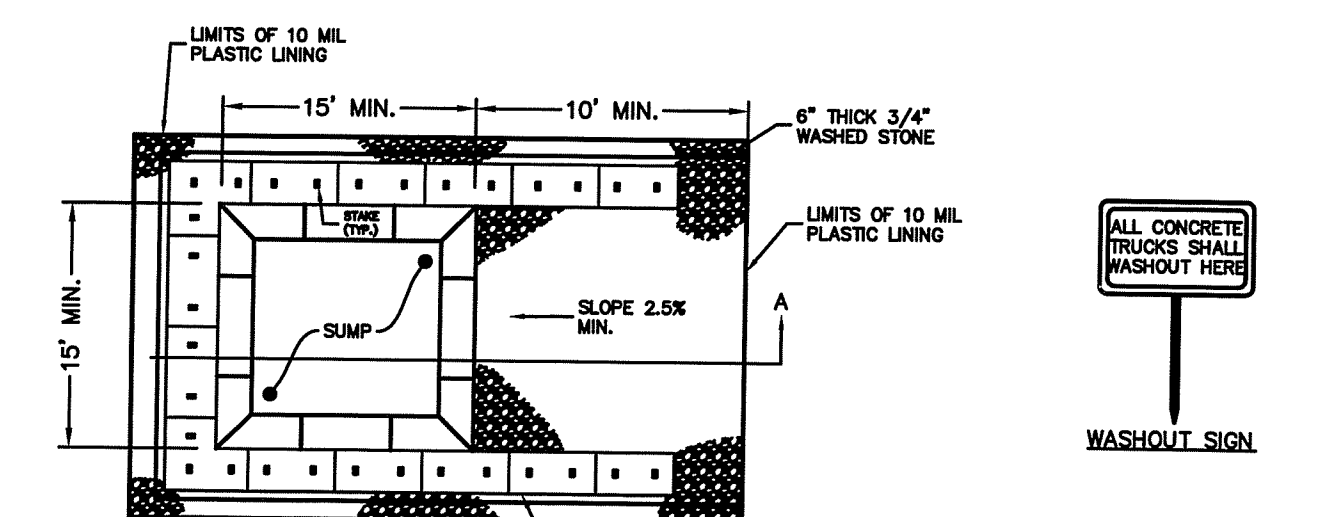
**STRAW WATTLE STAKE  
DETAIL ON SOIL**  
N.T.S.



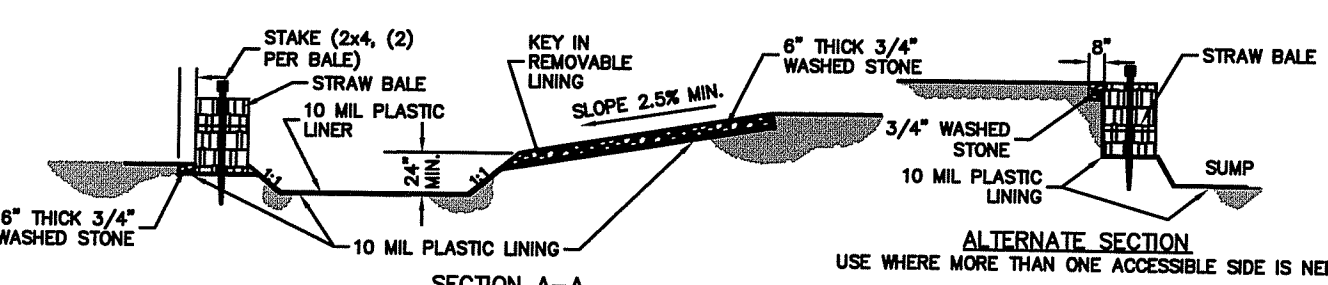
**CONSTRUCTION ACCESS**  
N.T.S.



**STOCKPILE DETAIL**  
N.T.S.



**WASHOUT SIGN**



**NOTES:**

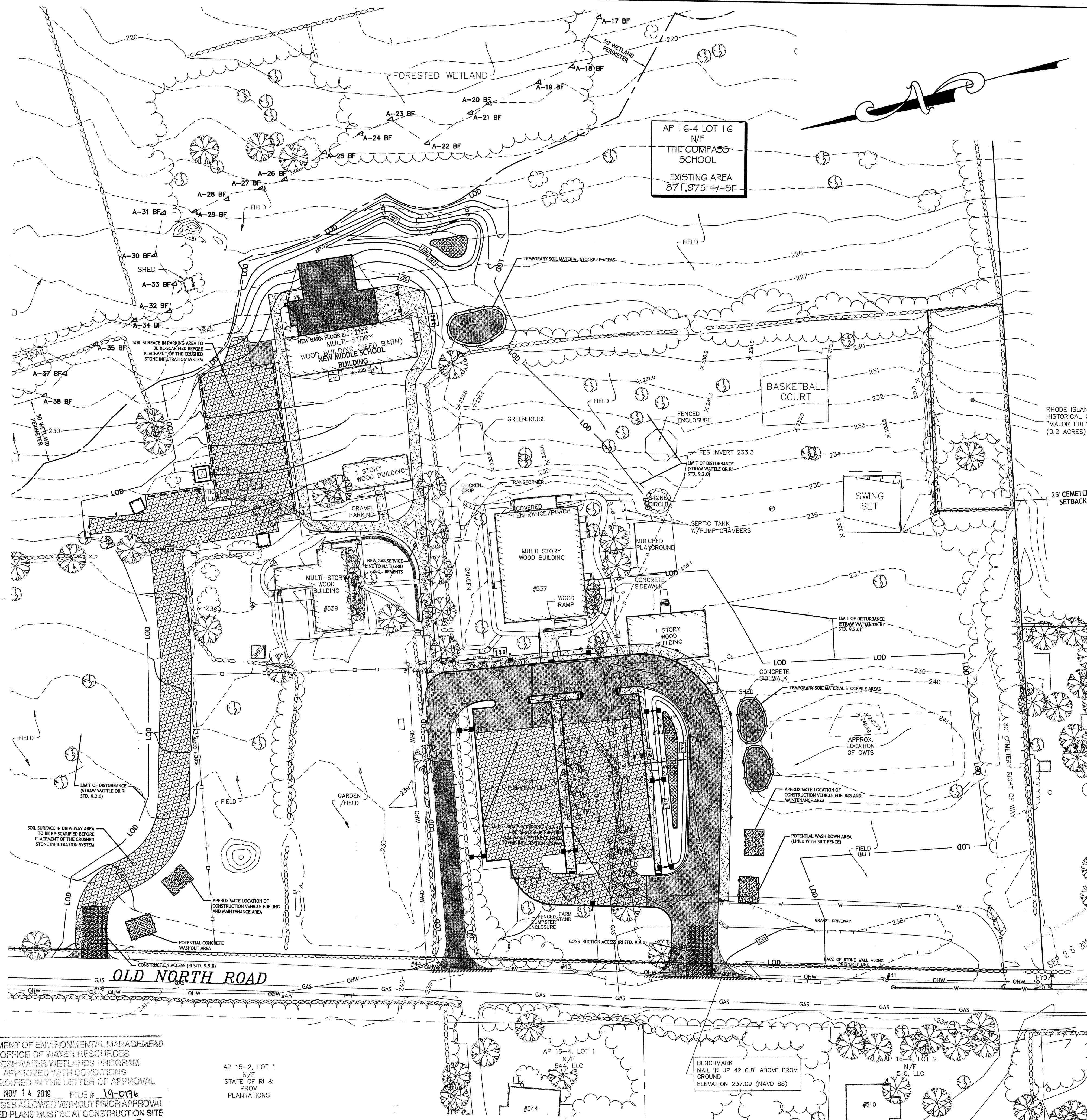
1. PIT IS SPECIFICALLY DESIGNATED, DIKED AND CONTAINED TO PREVENT CONTACT BETWEEN CONCRETE WASH AND STORMWATER.
2. WASH WATER SHALL NOT BE ALLOWED TO FLOW TO SURFACE WATER.
3. FACILITY MUST HOLD SUFFICIENT VOLUME TO CONTAIN CONCRETE WASTE WITH A MINIMUM FREEBOARD OF 12".
4. FACILITY SHALL NOT BE FILLED BEYOND 12" OF FREEBOARD UNLESS A NEW FACILITY IS CONSTRUCTED. WASHOUT AREA SHALL BE EMPTIED AT THIS TIME AND DISPOSED OF IN ACCORDANCE WITH ALL REGULATIONS.
5. SAW CUT PORTLAND CEMENT CONCRETE, RESIDUE FROM SAWCUT & GRINDING TO BE DISPOSED OF IN THE PIT.
6. CONCRETE WASHOUTS SHALL BE LOCATED A MINIMUM OF 100' FROM DRAINAGE WAYS, INLETS, & SURFACE WATERS.
7. MANUFACTURED CONCRETE WASHOUT DEVICES MAY BE USED IF REMOVED FROM THE SITE WHEN AT 95% FULL CAPACITY.

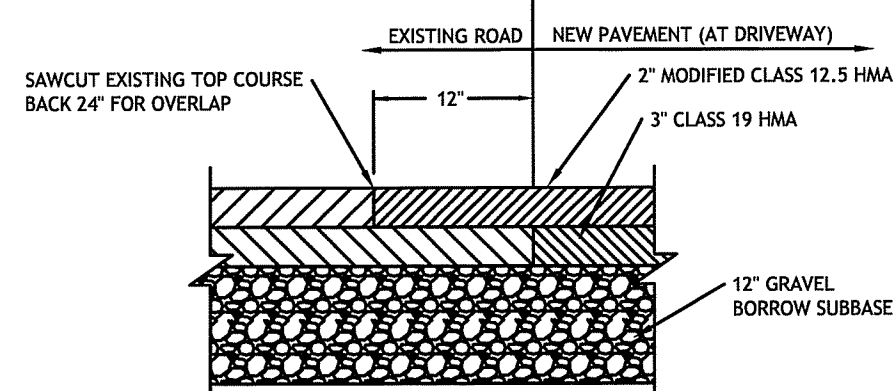
**CONCRETE WASHOUT AREA**  
(NOT TO SCALE)

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
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DATED NOV 14 2019 FILE # 19-0116  
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*Mindy L. Freeman*

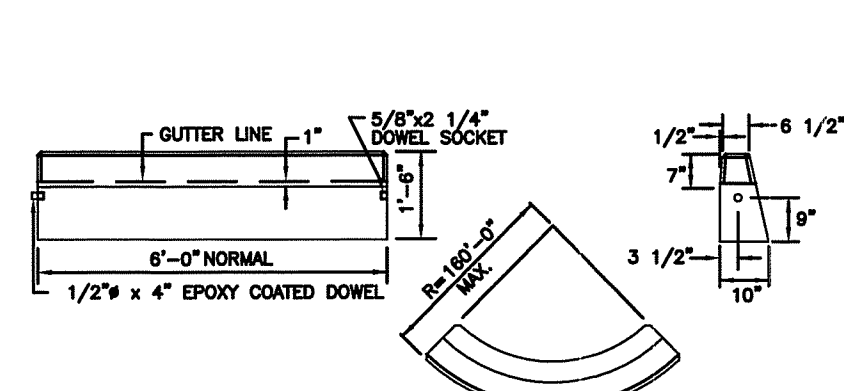
AP 15-2, LOT 1  
N/F  
STATE OF RI &  
PROV.  
PLANTATIONS

SCALE (FEET)  
0 20 40 80 160  
1 INCH = 40 FT



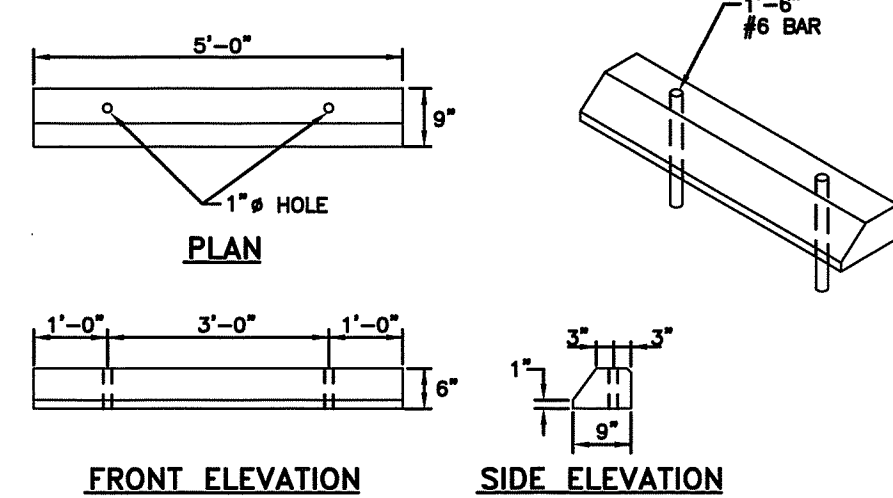


**PAVEMENT CUT & MATCH**  
NOT TO SCALE



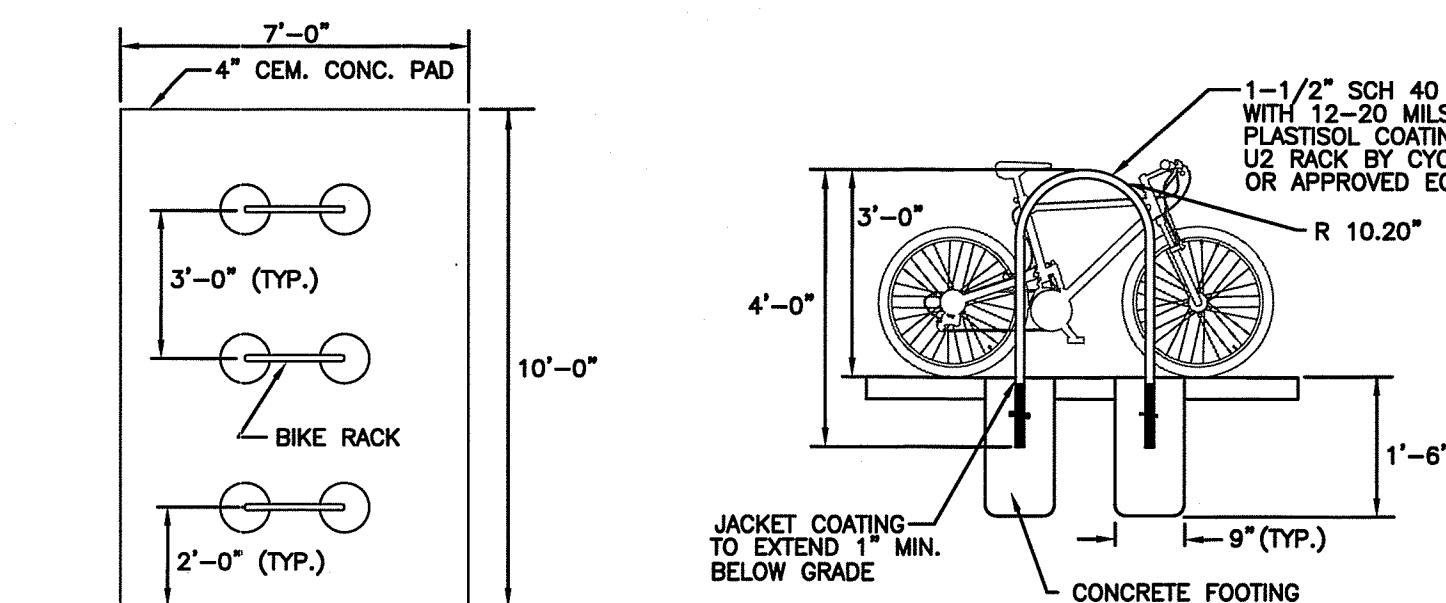
**NOTES:**  
1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.  
2. MINIMUM LENGTH OF STRAIGHT OR CIRCULAR FILLER PICES TO BE 3'-0\"/>  
3. EXPOSED SURFACES TO HAVE A SPONGE FLOAT FINISH.  
4. CIRCULAR CURBS TO BE REQUIRED ON CURVES WITH RADIUS OF 180'-0\"/>  
5. EXPOSED EDGES TO HAVE A 3/4\"/>

**PRECAST CONCRETE CURB** (R.I. STANDARD 7.1.0)

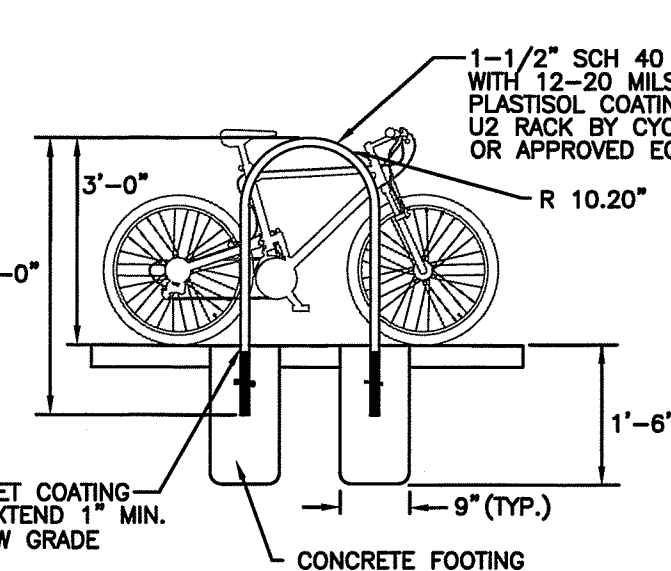


**NOTES:**  
1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.  
2. ALL EXPOSED EDGES TO HAVE A 3/4\"/>  
3. ALL SURFACES TO HAVE A SPONGE FLOAT FINISH.

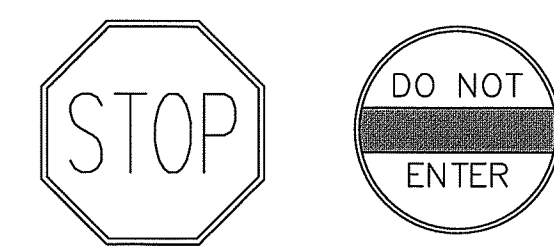
**PRECAST CONCRETE CAR STOPS** (R.I. STANDARD 7.2.4)



**TYPICAL BIKE RACK LAYOUT PLAN**

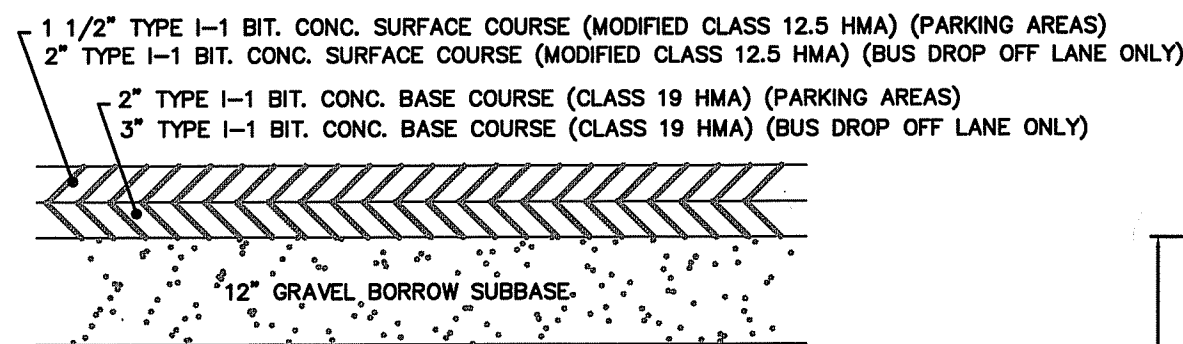


**TYPICAL BIKE RACK DETAIL**  
NOT TO SCALE

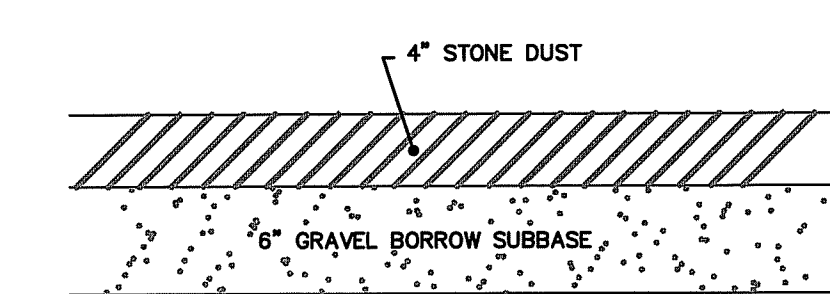


**SIGN LEGEND**  
R1-1 SIGN NUMBER  
R5-1C SIGN DESIGNATION  
24.6.0 MOUNTING TYPE (RI STD.)  
(12\"/>

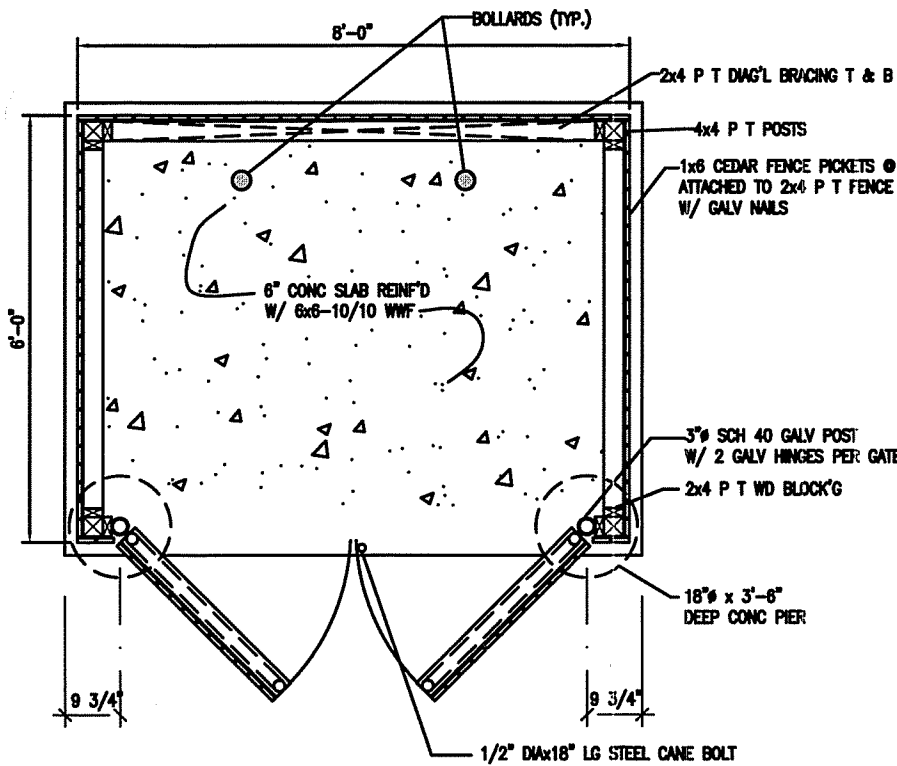
**SIGN LEGEND**



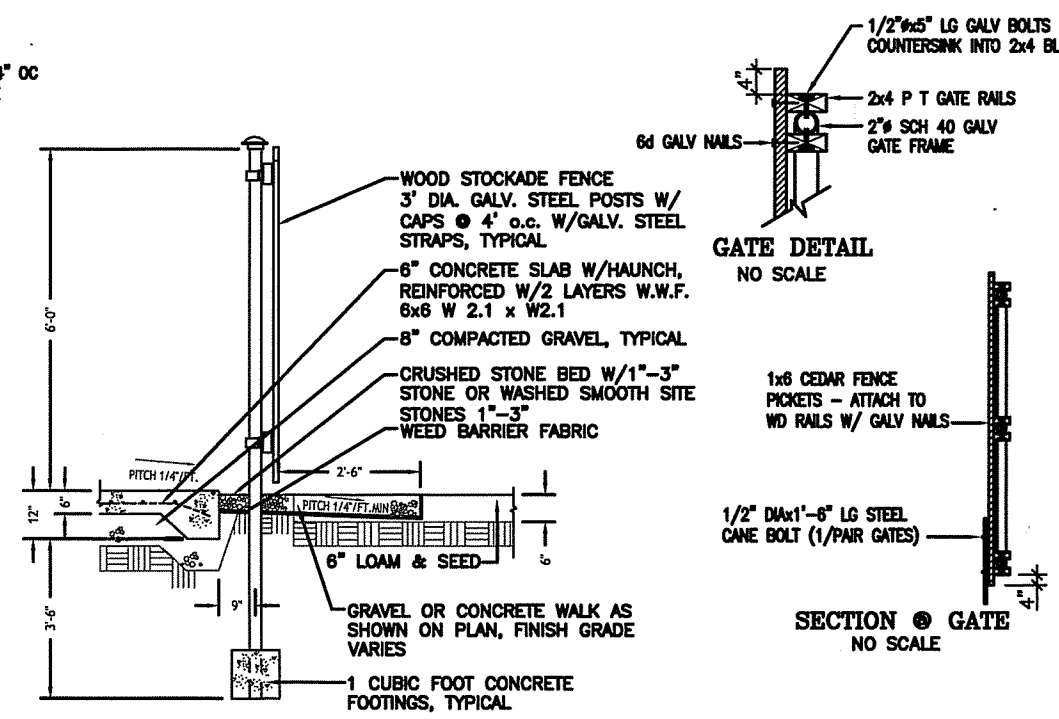
**PAVEMENT CROSS SECTION - ON-SITE**  
NOT TO SCALE



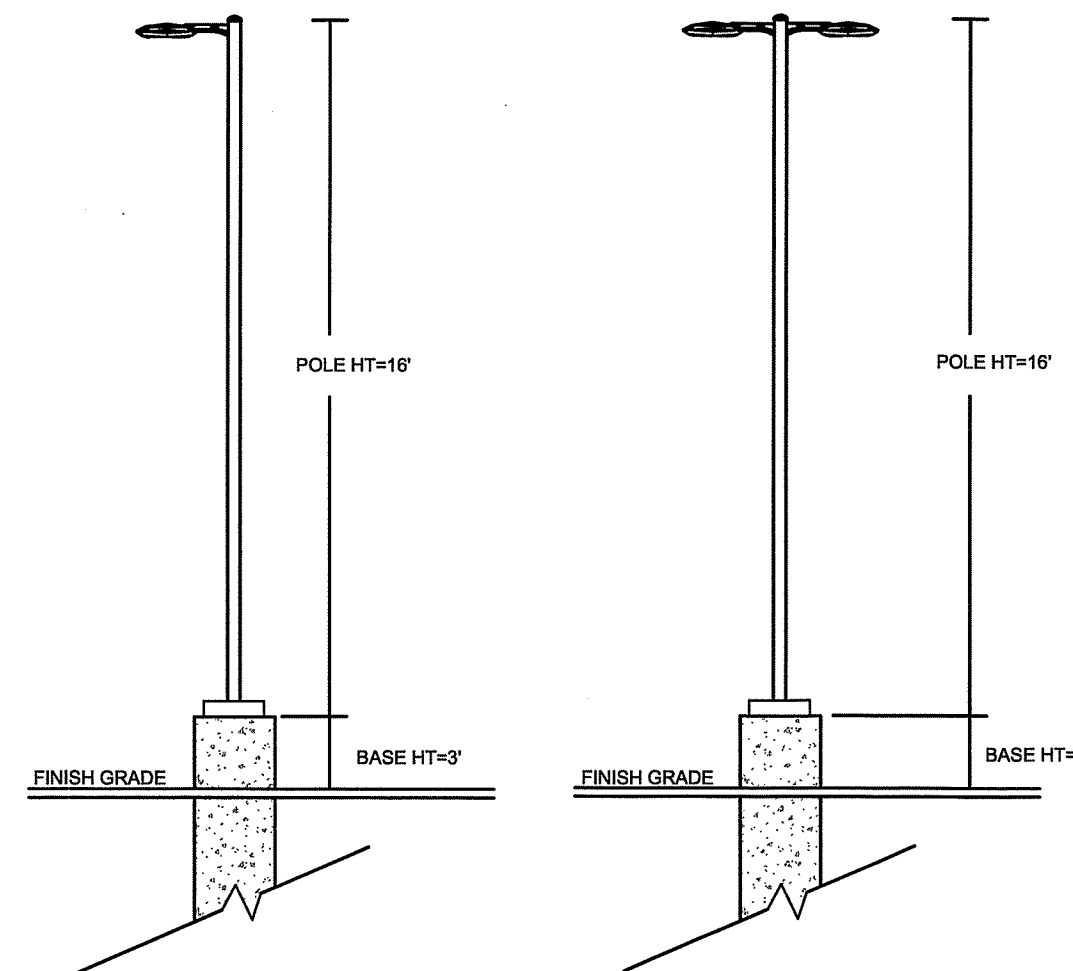
**STONE DUST SIDEWALK/WALKWAY SECTION**  
NOT TO SCALE



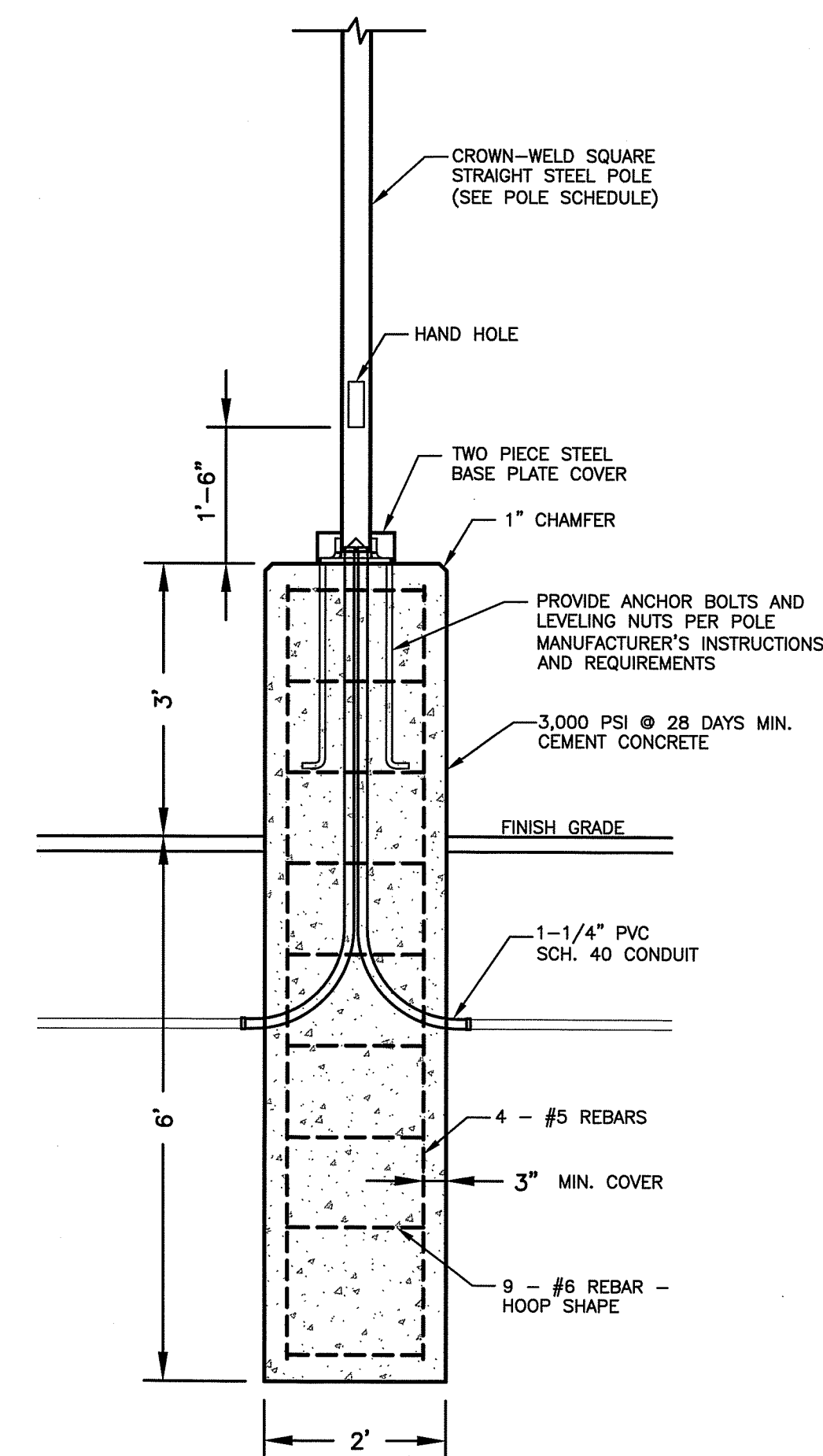
**DUMPSTER ENCLOSURE PLAN**  
NOT TO SCALE



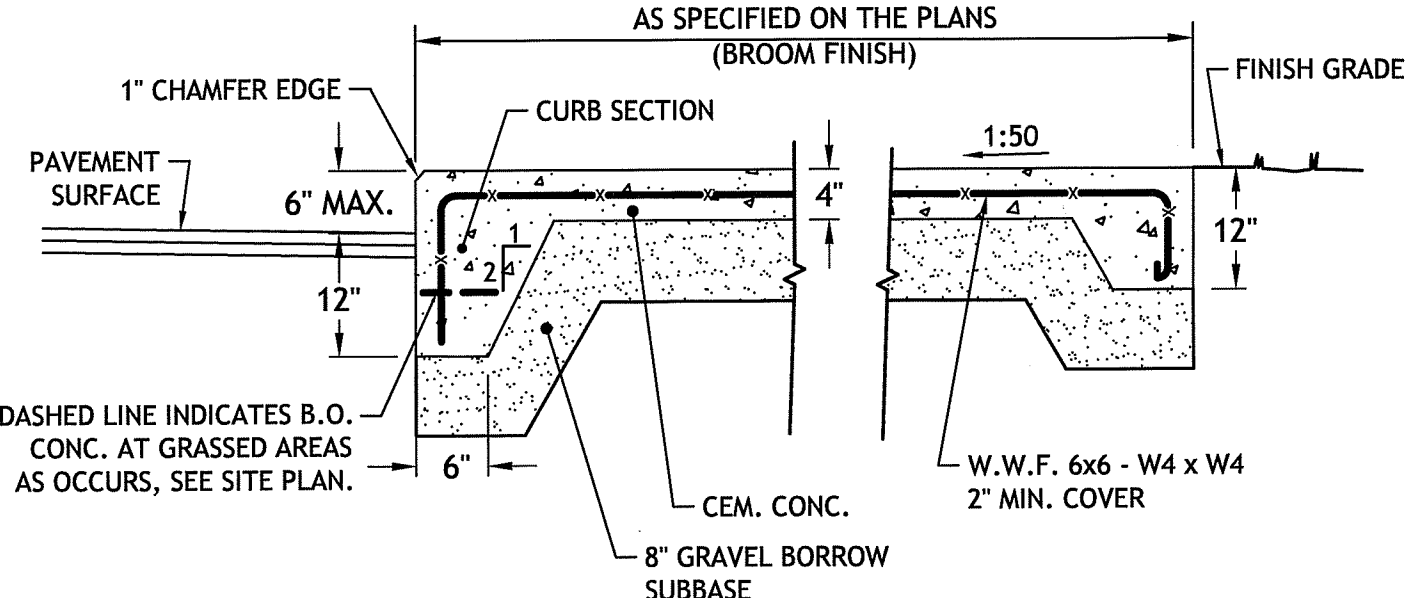
**DUMPSTER PAD/FENCE DETAIL**  
SCALE: 1/2\"/>



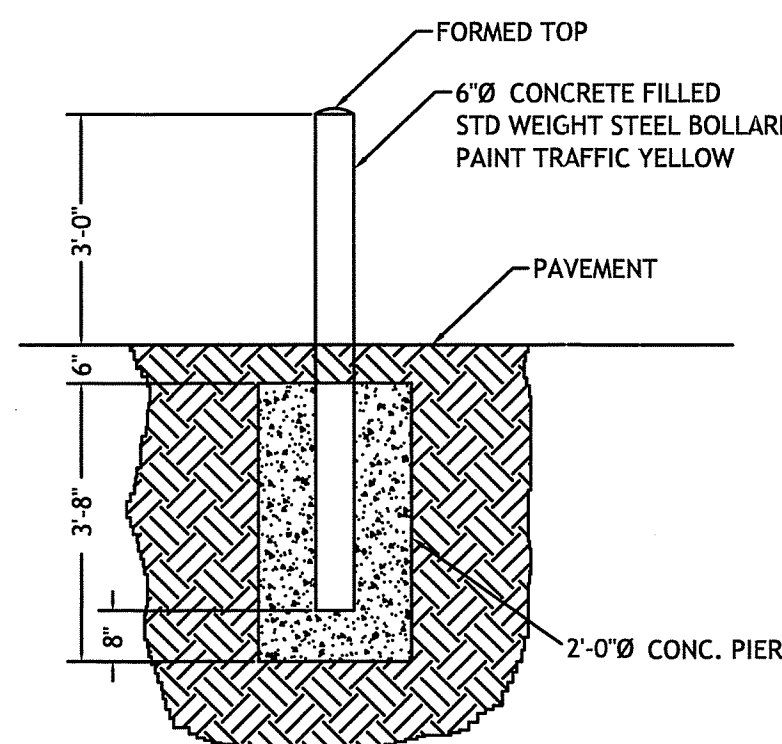
**LIGHT POLE ELEVATION VIEW**  
NOT TO SCALE



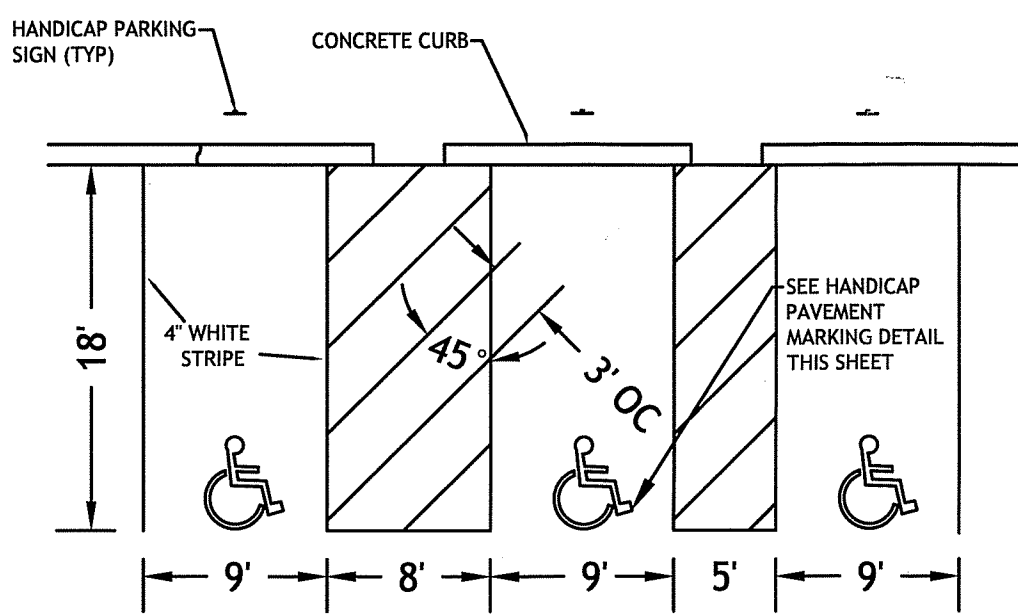
**LIGHT POLE BASE DETAILS**  
NOT TO SCALE



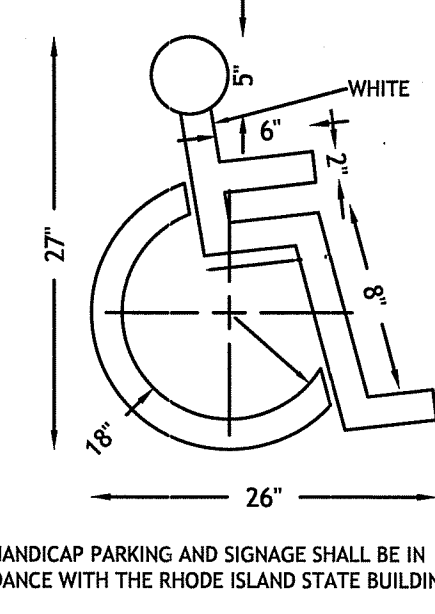
**CEMENT CONCRETE SIDEWALK AND CURB, PAD OR WALKWAY - MONOLITHIC POUR**  
NTS



**TYPICAL BOLLARD DETAIL**  
NOT TO SCALE



**HANDICAP PARKING STALLS**  
NOT TO SCALE

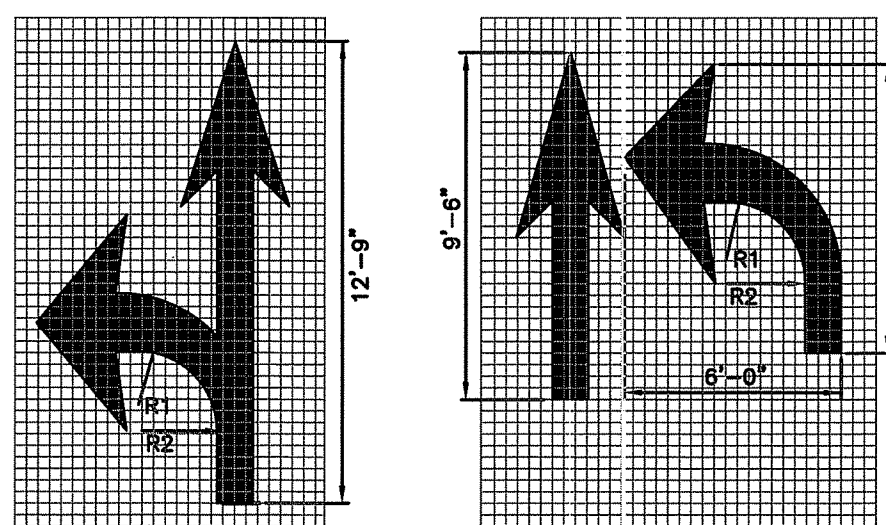


**HANDICAP PAVEMENT MARKING**  
NOT TO SCALE



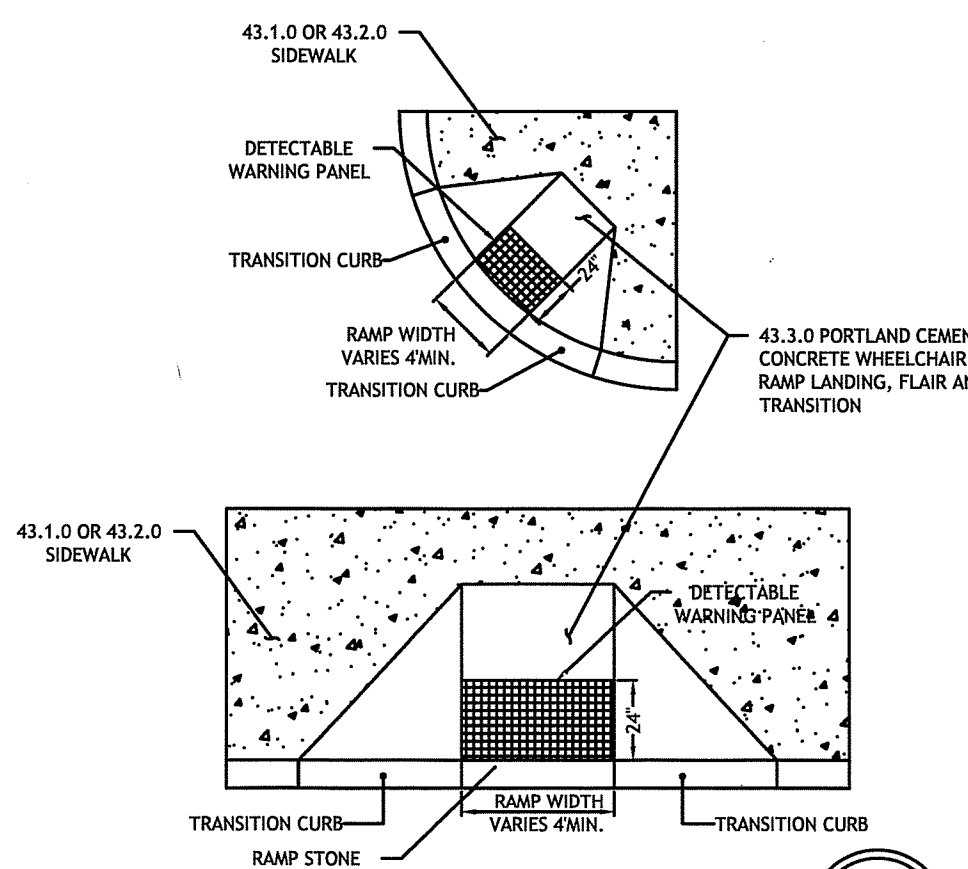
**HANDICAPPED PARKING SIGNS**  
NOT TO SCALE

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED NOV 14 2019 FILE # 19-0176  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE  
*Kevin L. Freeman*

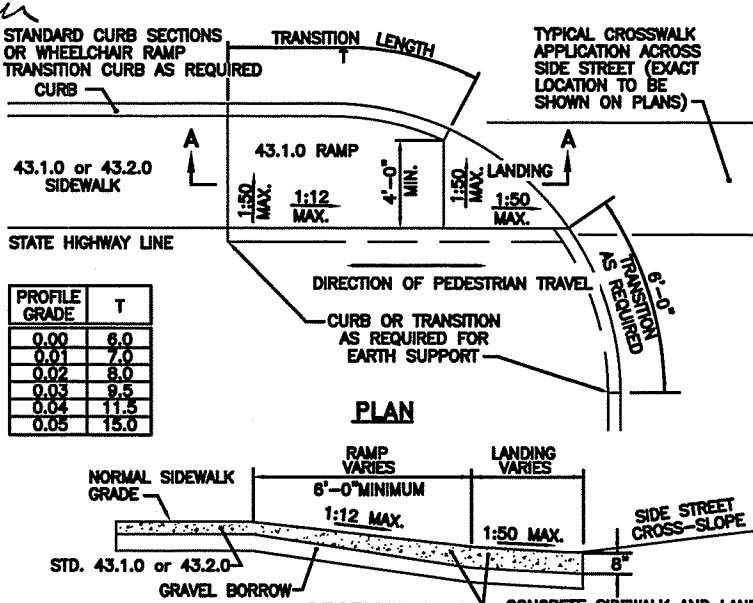


**NOTES:**  
1. SHALL BE IN ACCORDANCE WITH SECTION T.20 OF THE R.I. STANDARD SPECIFICATIONS.  
2. THE LONGITUDINAL SPACE BETWEEN WORD OR SYMBOL MESSAGES, INCLUDING ARROWS, SHOULD BE AT LEAST FOUR TIMES THE HEIGHT OF THE CHARACTER FOR LOW SPEED ROADS BUT NOT MORE THAN TEN TIMES THE HEIGHT OF THE CHARACTER UNDER ANY CONDITIONS.  
3. THE SPACING OF THE PAVEMENT MARKINGS WILL BE AS SHOWN ON THE PLAN AND AS PER THE MUTCD.  
4. SYMBOLS AND WORDS SHALL MEET THE REQUIREMENTS OF THE FHWA STANDARD ALPHABET AND SYMBOLS FOR HIGHWAY PAVEMENT MARKINGS.

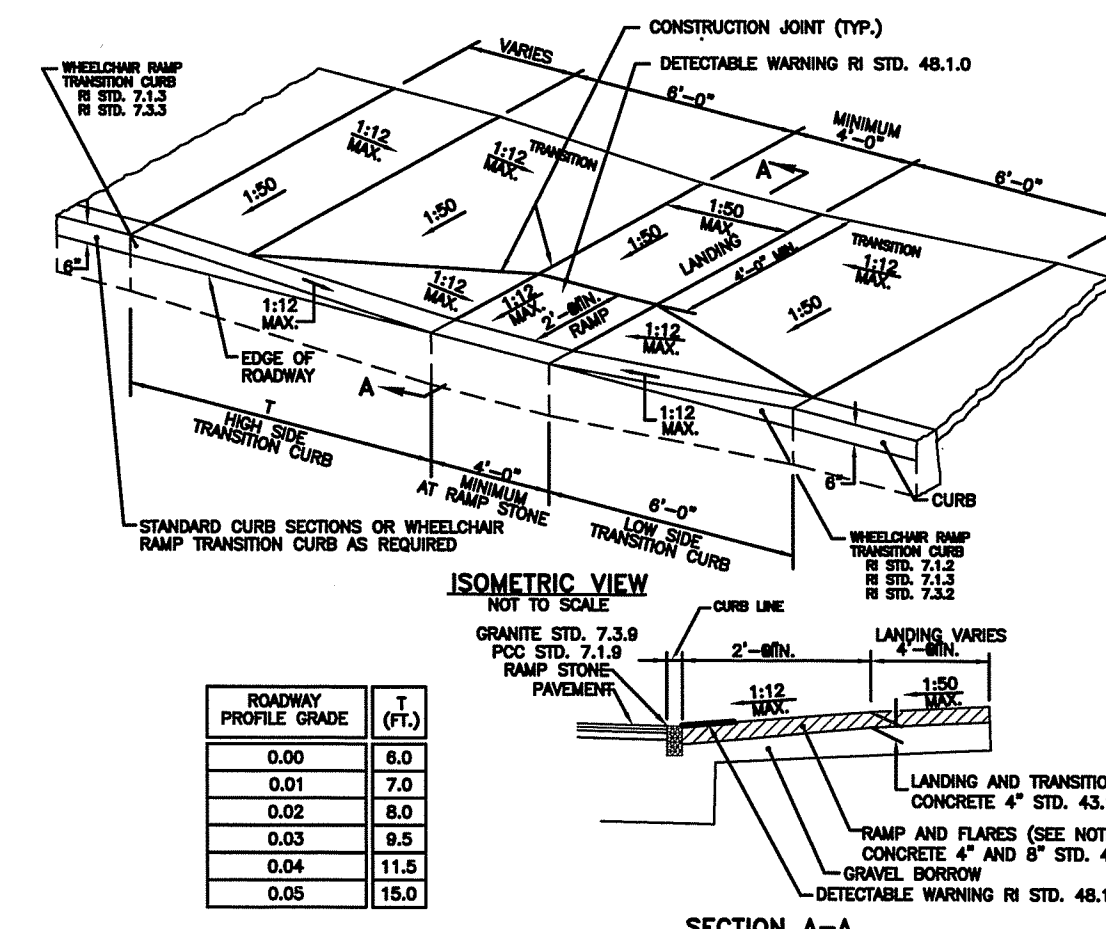
**PAVEMENT MARKINGS ARROWS AND ONLY** (R.I. STANDARD 20.1.0)



**DETECTABLE WARNING SYSTEM** (R.I. STANDARD 48.1.0)



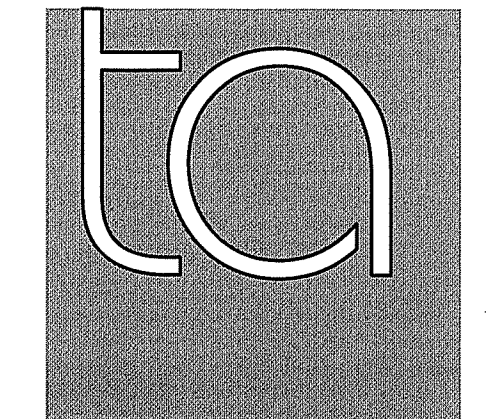
**NOTES:**  
1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.  
2. THE DETAILS TO BE USED ONLY WHEN STATE RIGHT-OF-WAY IS LIMITED TO BACK OF SIDEWALK, AND SIDEWALK IS MARKED WITH NO PEDESTRIAN TRAFFIC FROM SIDE STREET.  
3. WHEN ANY OBSTRUCTION LOCATED IN THE SIDEWALK FALLS WITHIN A CROSSWALK AREA, IF POSSIBLE, THE OBSTRUCTION WILL BE PLACED SUCH THAT IT FALLS OUTSIDE OF THE CROSSWALK.  
4. AT NO TIME IS ANY PART OF THE WHEELCHAIR RAMP TO BE LOCATED OUTSIDE OF THE CROSSWALK, AND IT IS TO BE CENTERED WHEN POSSIBLE.  
5. DRAINAGE FACILITIES ARE TO BE LOCATED UP-GRADE OF ALL WHEELCHAIR RAMPS.  
6. LOCATION OF WHEELCHAIR RAMPS IS AS SHOWN ON CONTRACT DRAWINGS.  
7. ALL REQUIRED CUTTING OF CURBS PICES TO BE PAID FOR UNDER COST OF CURBS.  
8. WHEN THE ROAD PROFILE EXCEEDS OR THE TRANSITION LENGTH (L) SHALL BE:  
9. THE ENTRANCE OF THE WHEELCHAIR RAMP SHALL BE FLUSH WITH THE ROADWAY, WHENEVER POSSIBLE.  
10. IN NO CASE, WHERE A STOP LINE IS WARRANTED, SHALL A RAMP BE PLACED BEHIND THE STOP LINE.  
11. MINIMUM LENGTH OF STRAIGHT OR CIRCULAR FILLER PICES TO BE 3'-0\"/>  
12. WHEELCHAIR RAMP SHALL BE FLUSH WITH THE ROADWAY.  
13. MINIMUM LENGTH OF STRAIGHT OR CIRCULAR FILLER PICES TO BE 3'-0\"/>  
14. ALL REQUIRED CUTTING OF CURBS PICES TO BE PAID FOR UNDER COST OF CURBS.  
15. DETECTABLE WARNING TO BE PAID FOR UNDER SECTION 48.2 OF THE R.I. STANDARD SPECIFICATIONS.  
16. 8\"/>



ROADWAY PROFILE GRADE	T (FT)
0.00	6.0
0.01	7.0
0.02	8.0
0.03	9.0
0.04	11.0
0.05	15.0

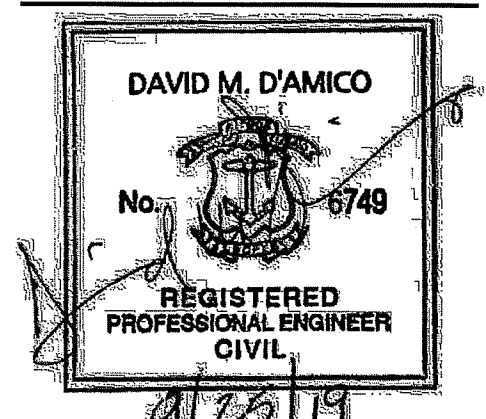
**WHEELCHAIR RAMP** (R.I. STANDARD 43.3.1)

ALL DRAWING, PLAN, SPECIFICATIONS, CONTRACTS, AND ALL OTHER DOCUMENTS SHALL BE THE PROPERTY OF TORRADO ARCHITECTS AND SHALL BE KEPT IN CONFIDENCE. NO PARTS OF THESE DOCUMENTS SHALL BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF TORRADO ARCHITECTS.



**TORRADO ARCHITECTS**

35 GREENWICH ST.  
PROVIDENCE, RI 02907  
401.781.0633 P  
401.781.0661 F



THE COMPASS SCHOOL RENOVATIONS

CONSTRUCTION SET

SITE DETAIL I PLAN

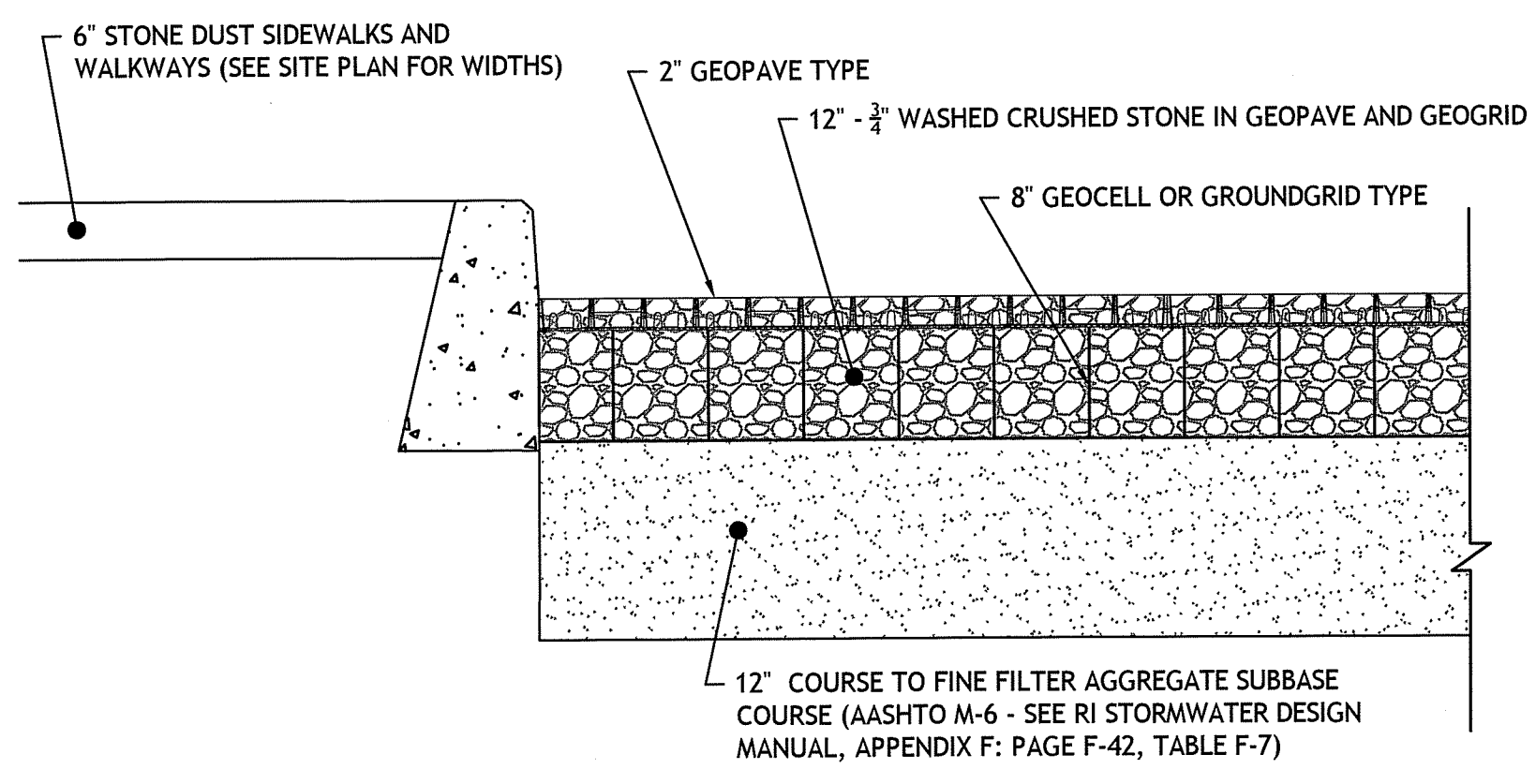
DATE	REV. #	DESCRIPTION
11-19-18	REV. 1	FIRE MARSHAL'S COMMENTS
9-25-19	REV. 2	RIDEM COMMENTS

REVISIONS:

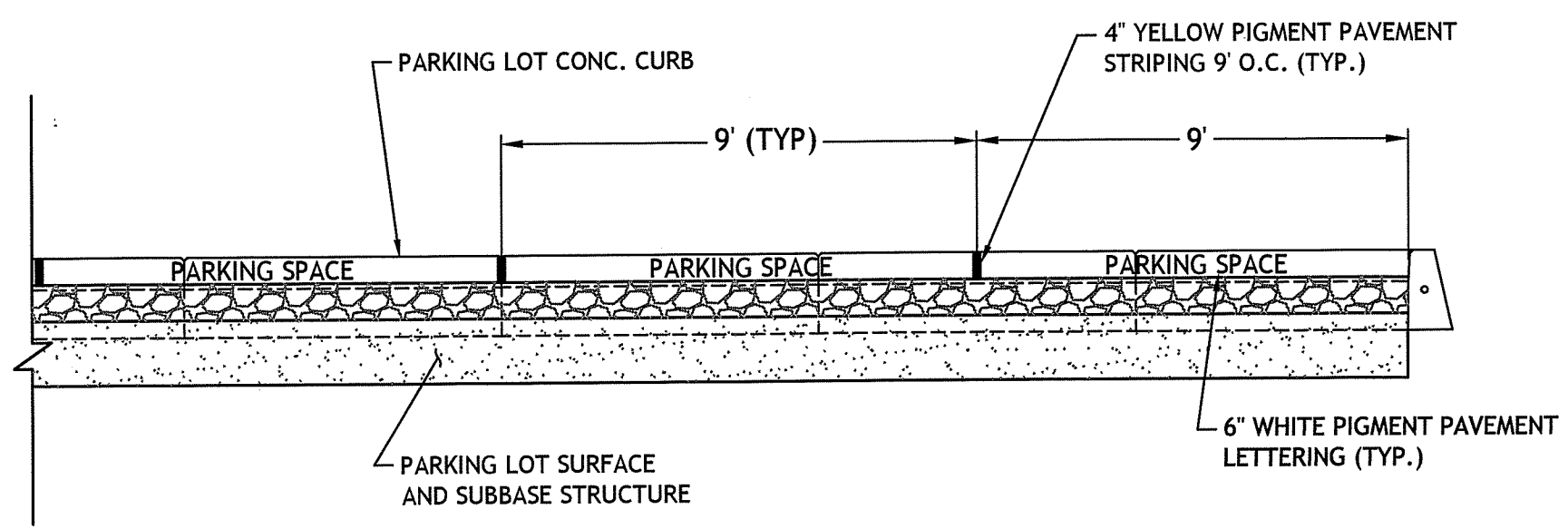
DATE	REV. #	DESCRIPTION
19 APRIL, 2019		

JOB No: D.M.D.  
DRAWN BY: D.M.D.  
CHECKED BY: D.M.D.  
SCALE: AS NOTED

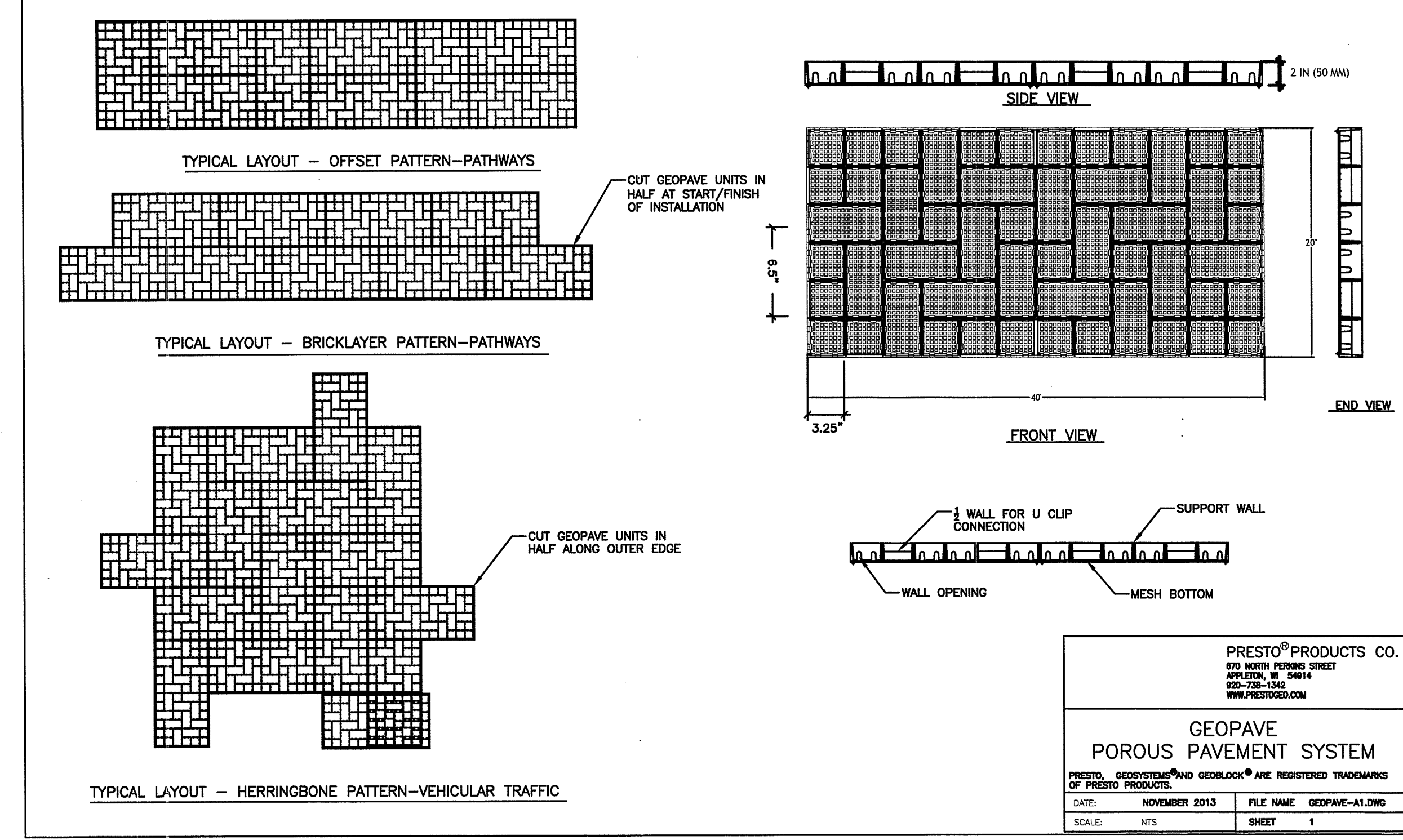
**C7.0**  
SHEET 11 OF 15



**PERVIOUS SYSTEM PARKING AREA SUB-BASE MATERIAL DETAIL**  
NOT TO SCALE



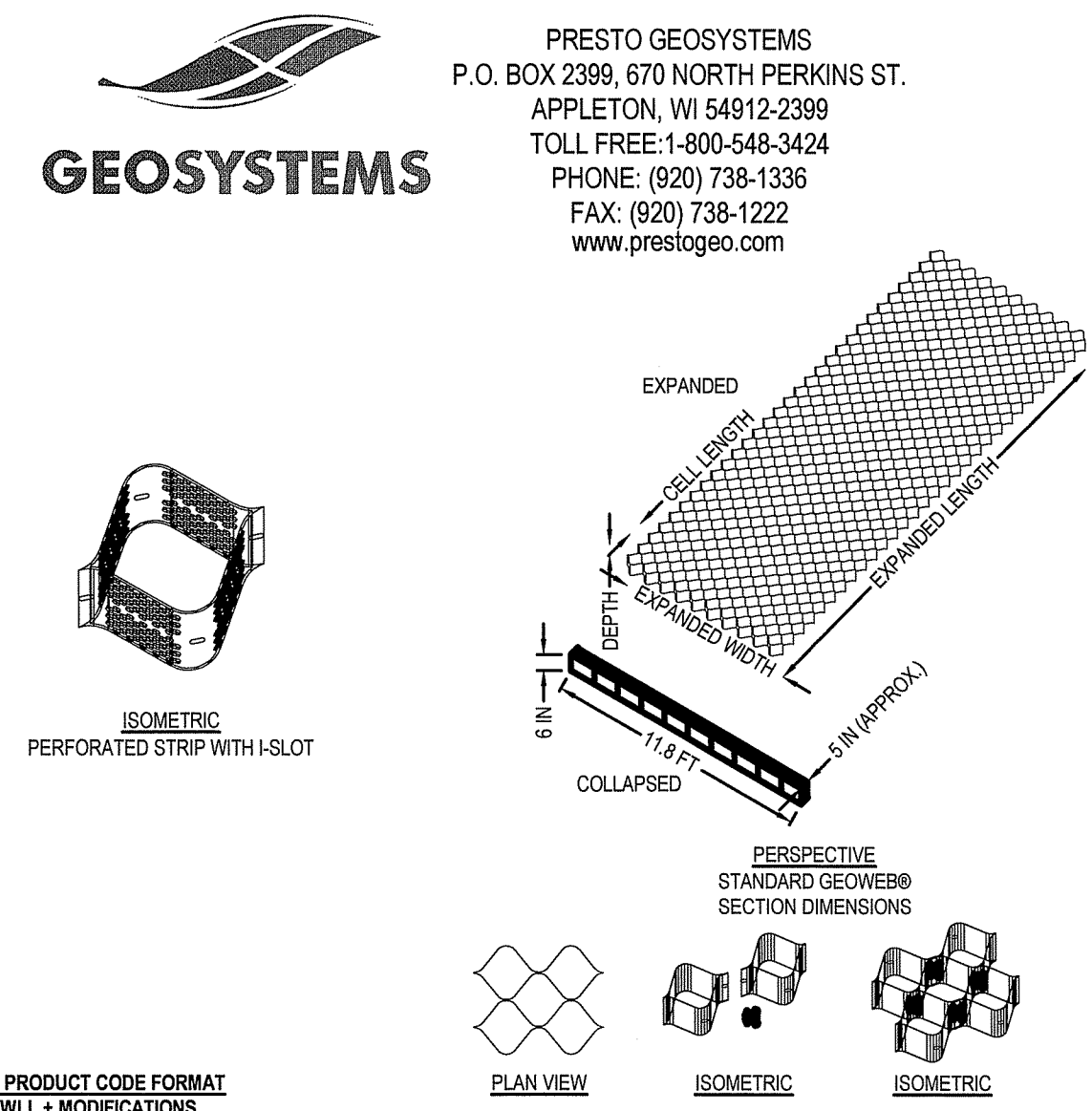
**PARKING SPACE CURB MARKING DETAIL**  
NOT TO SCALE



PRESTO PRODUCTS CO.  
650 NORTH PERKINS STREET  
APPLETON, WI 54912  
920-738-1336  
WWW.PRESTOGEOSYSTEMS.COM

**GEOPAVE**  
POROUS PAVEMENT SYSTEM

DATE: NOVEMBER 2013 FILE NAME: GEOPAVE-A1.DWG  
SCALE: NTS SHEET: 1

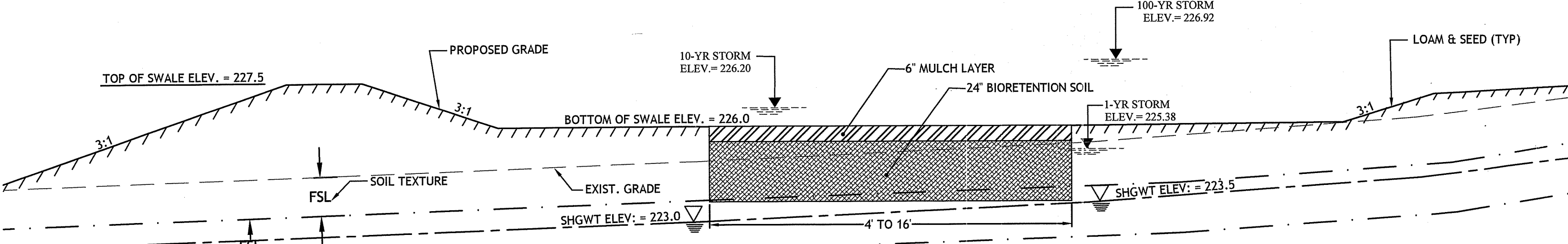


**GEOWEB® PRODUCT CODE FORMAT**  
GWTVDWLL + MODIFICATIONS

WHERE:  
TT: CELL TYPE - 40  
W: DESIGNATES V SERIES  
D: CELL DEPTH - 6"  
WW: SECTION WIDTH 10, 20V, 8 30V & 5 40V  
LL: SECTION CELL LENGTH - 34  
30V CELL TYPE, 6" DEPTH, 10 CELLS WIDE,  
29 CELLS LONG, PERFORATED STRIP WITH I-SLOTS

NOTES:  
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.  
2. DO NOT SCALE DRAWINGS.  
3. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.  
4. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.  
5. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT WWW.CADDETAILS.COM/INFO AND ENTER REFERENCE NUMBER Detec COMPASS SCHOOL RIDEM Permit SITE PLAN  
Set 9-16-19 24 x 36

**GEOWEB® GENERAL**

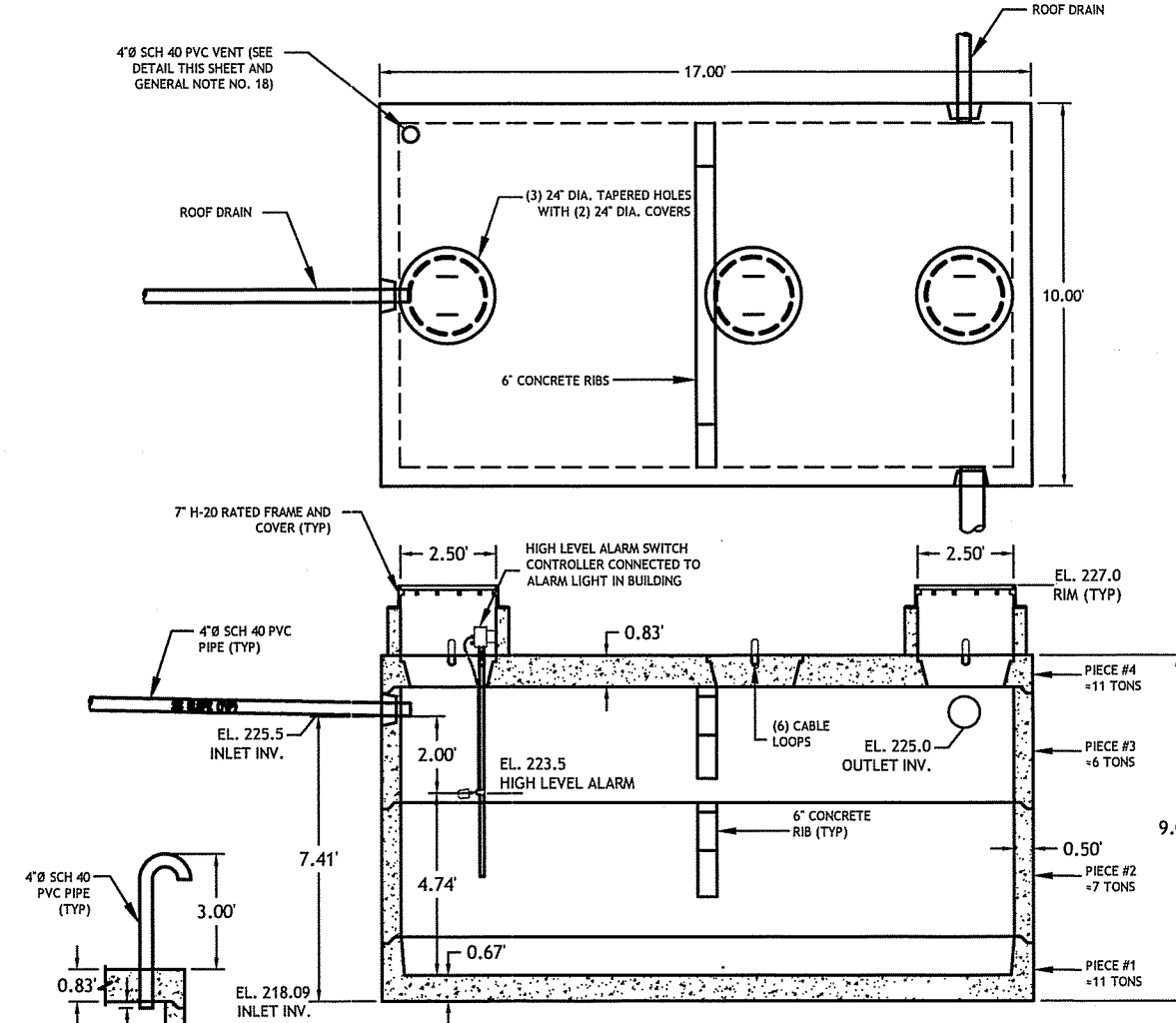


**REAR BIO-RETENTION FILTER - DETAIL SECTION C-C**  
SCALE: 1" = 3'

**BIORETENTION SOIL CHARACTERISTICS**

PARAMETER	VALUE
ORGANIC MATTER*	3 - 5%
CLAY	0 - 2%
SILT	8 - 12%
SAND	85 - 88%

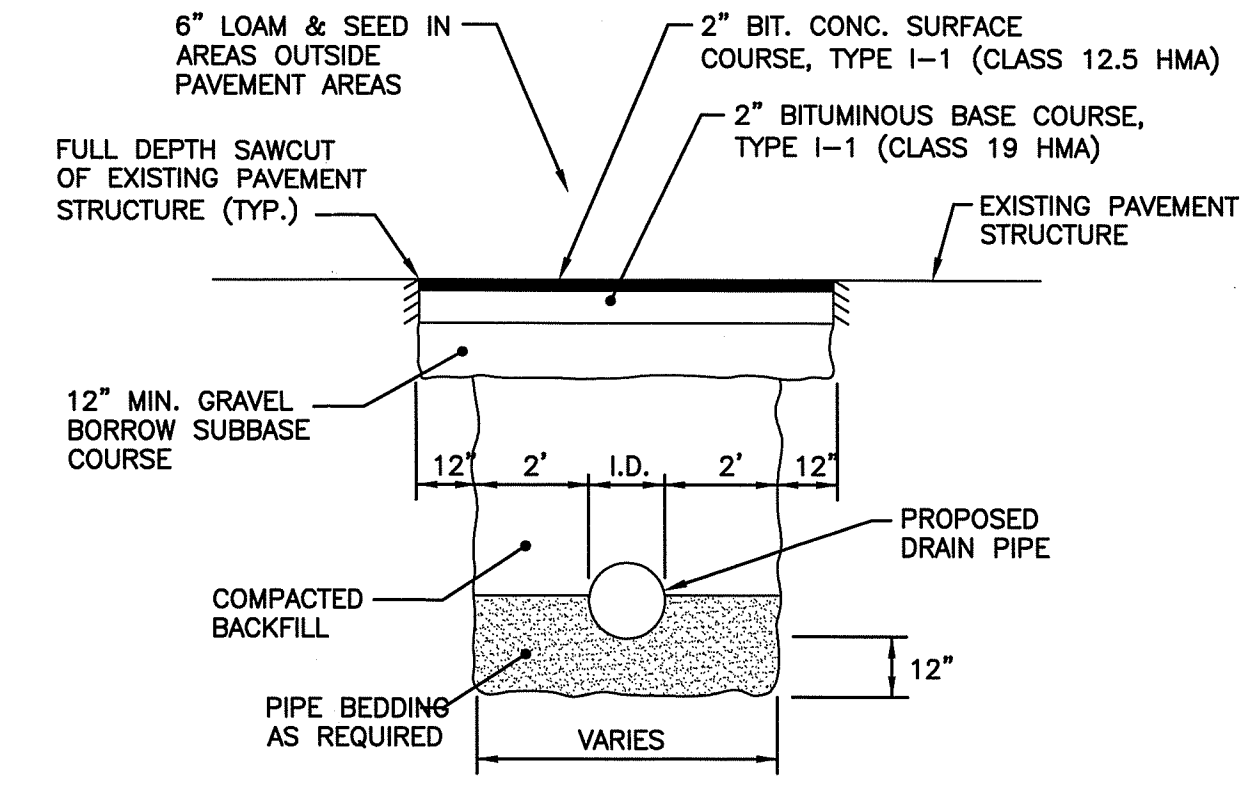
\* ORGANIC MATERIAL IN THE FORM OF LEAF COMPOST.



**7,000-GALLON HOLDING TANK FOR FLOOR DRAINS NOT INCLUDED IN SEWER SYSTEM**  
OLDCASTLE PRECAST, INC. MODIFIED SEPTIC TANK OR APPROVED EQUAL  
SCALE: NOT TO SCALE

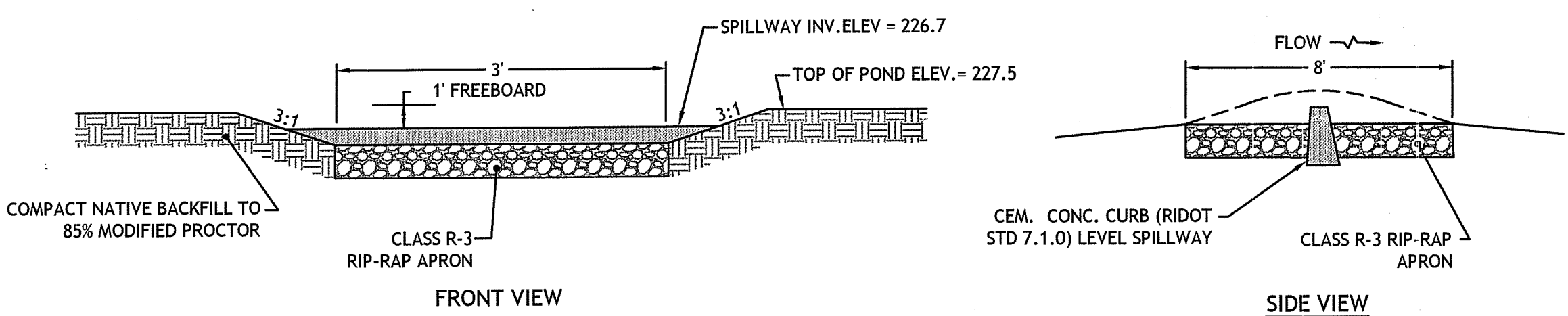
DESIGN NOTES:  
1. CONCRETE MINIMUM STRENGTH = 5,000 PSI @ 28 DAYS  
2. STEEL REINFORCEMENT = ASTM A-615, GRADE 60  
3. DESIGN LOADING = AASHTO HS20-44  
4. CONSTRUCTION JOINT - SEALED WITH 1" DIA. BUTYL RUBBER  
5. DESIGN SPECIFICATION - ACI 318, ASTM C890 & AASHTO STANDARD SPECIFICATION FOR HIGHWAY BRIDGES

ASSUMPTIONS:  
1. GROUND WATER AT 3'-0" BELOW FINISHED GRADE  
2. EARTH COVER 0'-0" MIN. 5'-0" MAX.

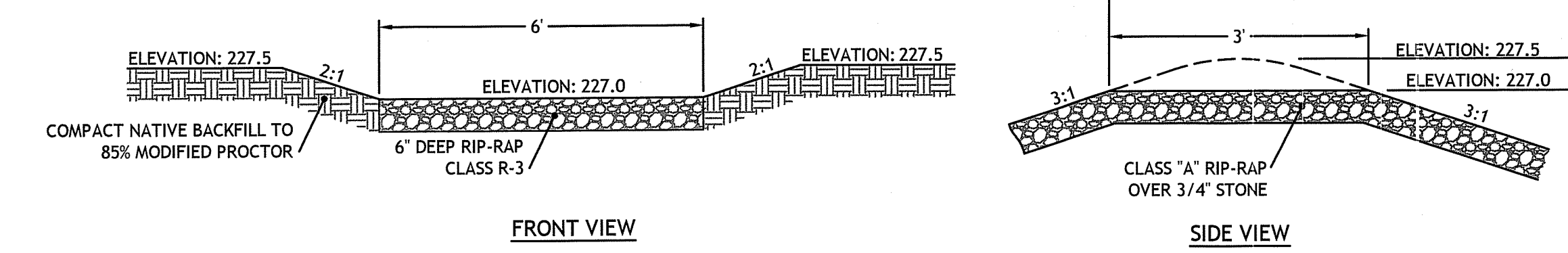


**TYPICAL TRENCH AND PAVEMENT PATCH DETAIL**  
NOT TO SCALE

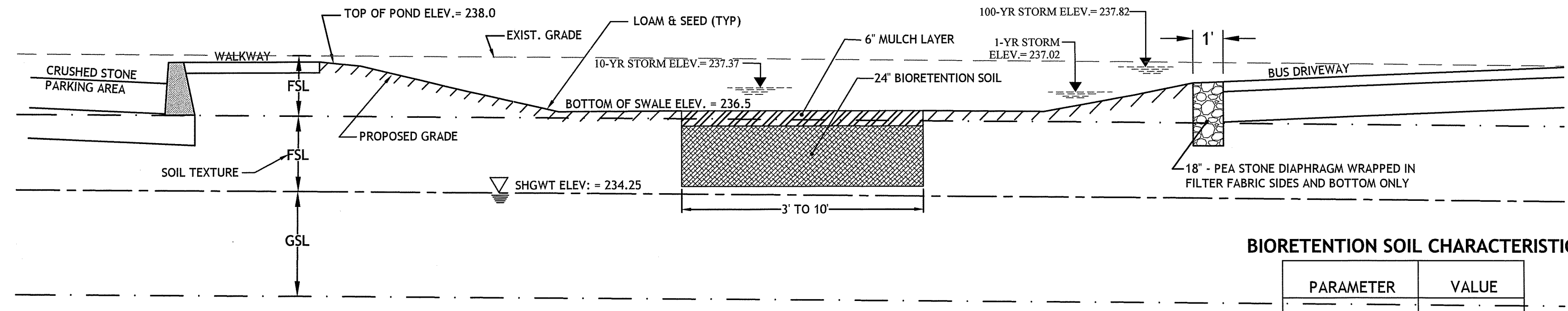
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED NOV 14 2019 FILE # 19-0176  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE  
*Kevin L. Freeman*



**WEIR SPILLWAY (REAR)**  
NOT TO SCALE



**EMERGENCY SPILLWAY (REAR)**  
NOT TO SCALE

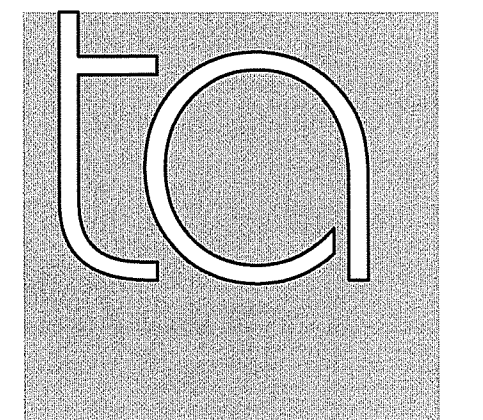


**FRONT BIO-RETENTION FILTER - DETAIL SECTION B-B**  
SCALE: 1" = 3'

**BIORETENTION SOIL CHARACTERISTICS**

PARAMETER	VALUE
ORGANIC MATTER*	3 - 5%
CLAY	0 - 2%
SILT	8 - 12%
SAND	85 - 88%

\* ORGANIC MATERIAL IN THE FORM OF LEAF COMPOST.

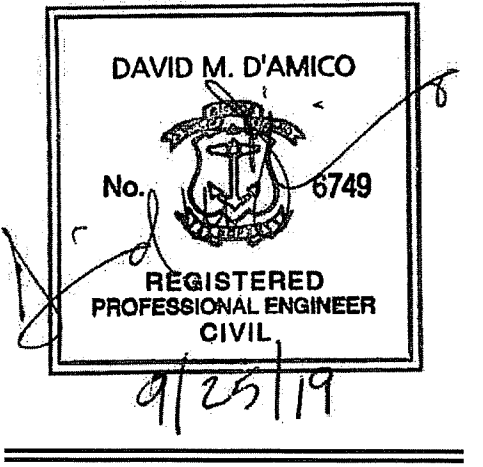


**TORRADO ARCHITECTS**

35 GREENWICH ST.  
PROVIDENCE, RI 02907  
401.781.0633 P  
401.781.0661 F



**D'AMICO ENGINEERING TECHNOLOGY, INC.**  
Civil Transportation Land Use  
2000 Mineral Spring Ave., North Providence, RI 02911  
(401) 822-1470 (401) 822-1190 fax www.damicoengineering.com



PROJECT:  
**THE COMPASS SCHOOL RENOVATIONS**

**CONSTRUCTION SET**

CONTENT:

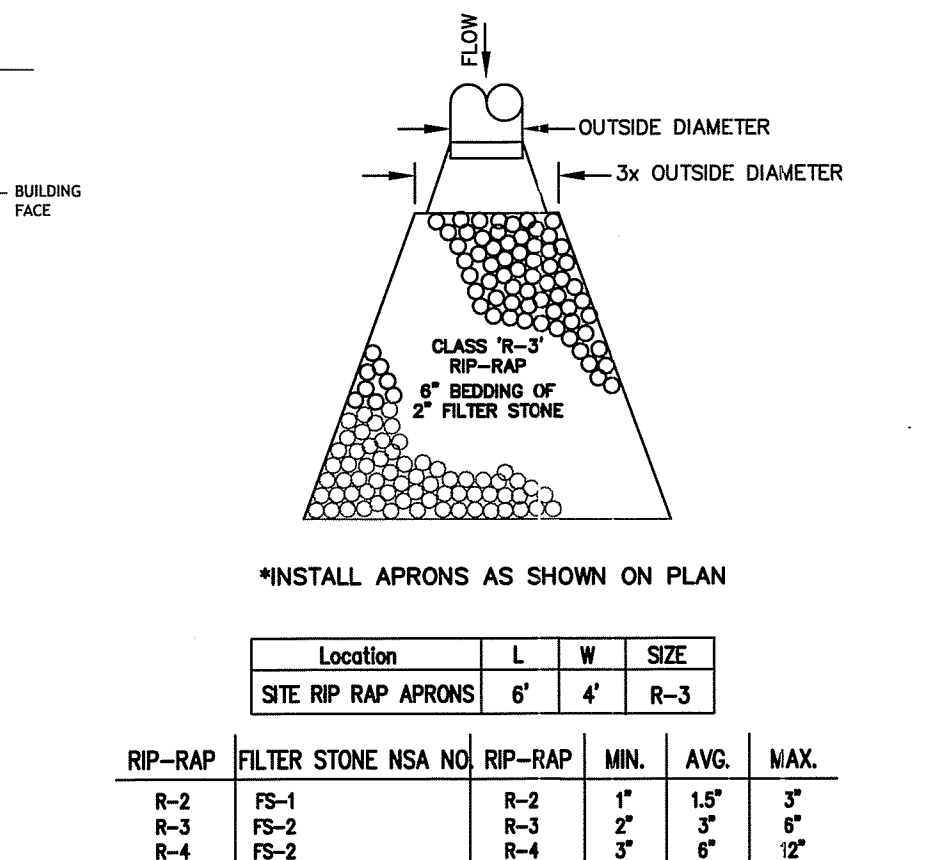
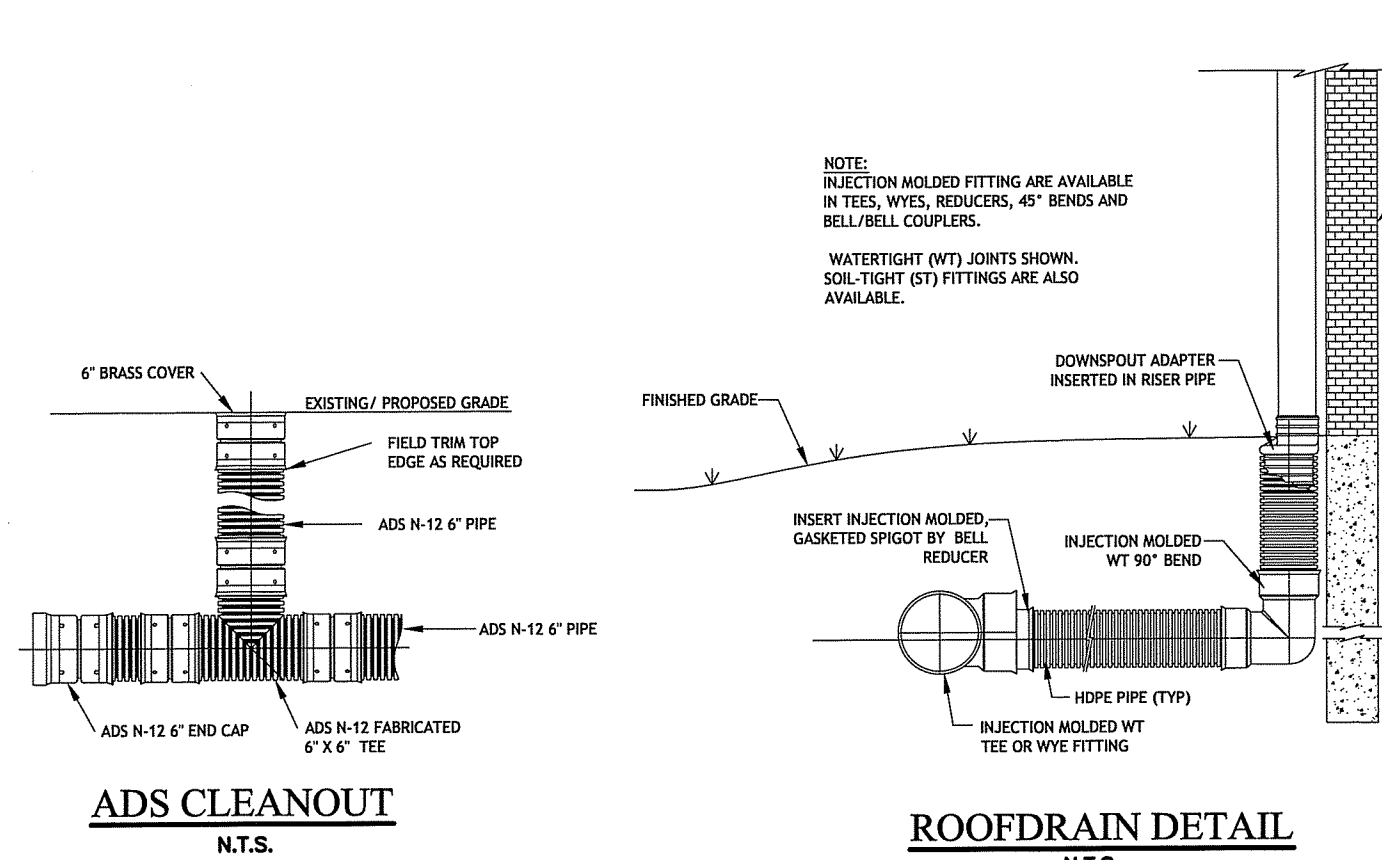
**SITE DETAIL II PLAN**

SEP 26 2019  
Kevin L. Freeman

11-19-18	REV. 1	FIRE MARSHAL'S COMMENTS
9-25-19	REV. 2	RIDEM COMMENTS

DATE:	REV. #	DESCRIPTION
<b>REVISIONS:</b>		

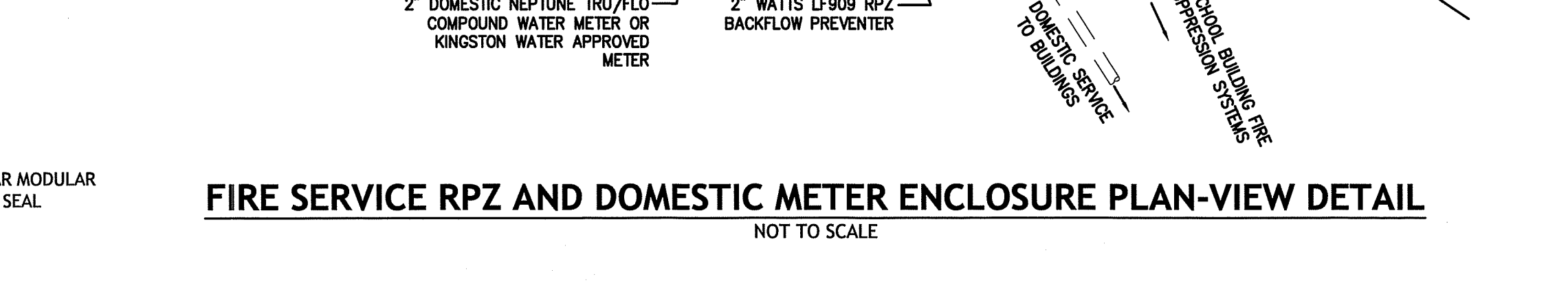
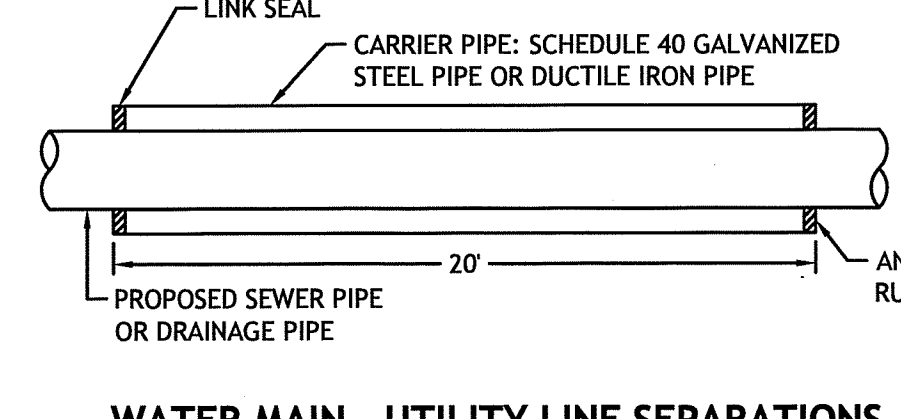
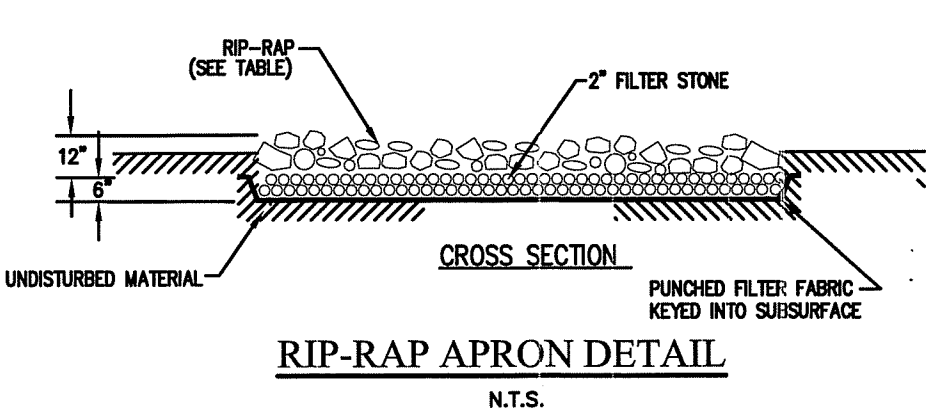
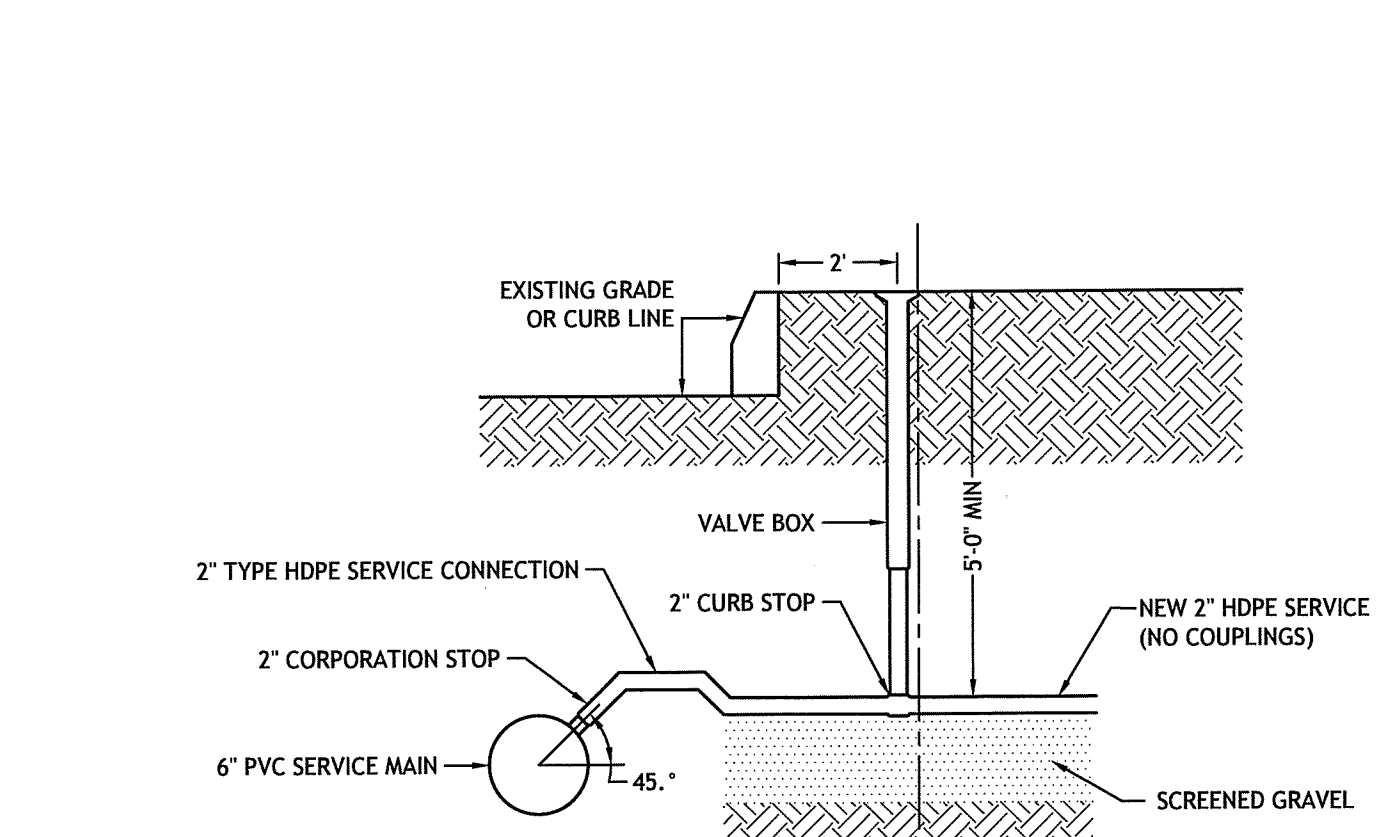
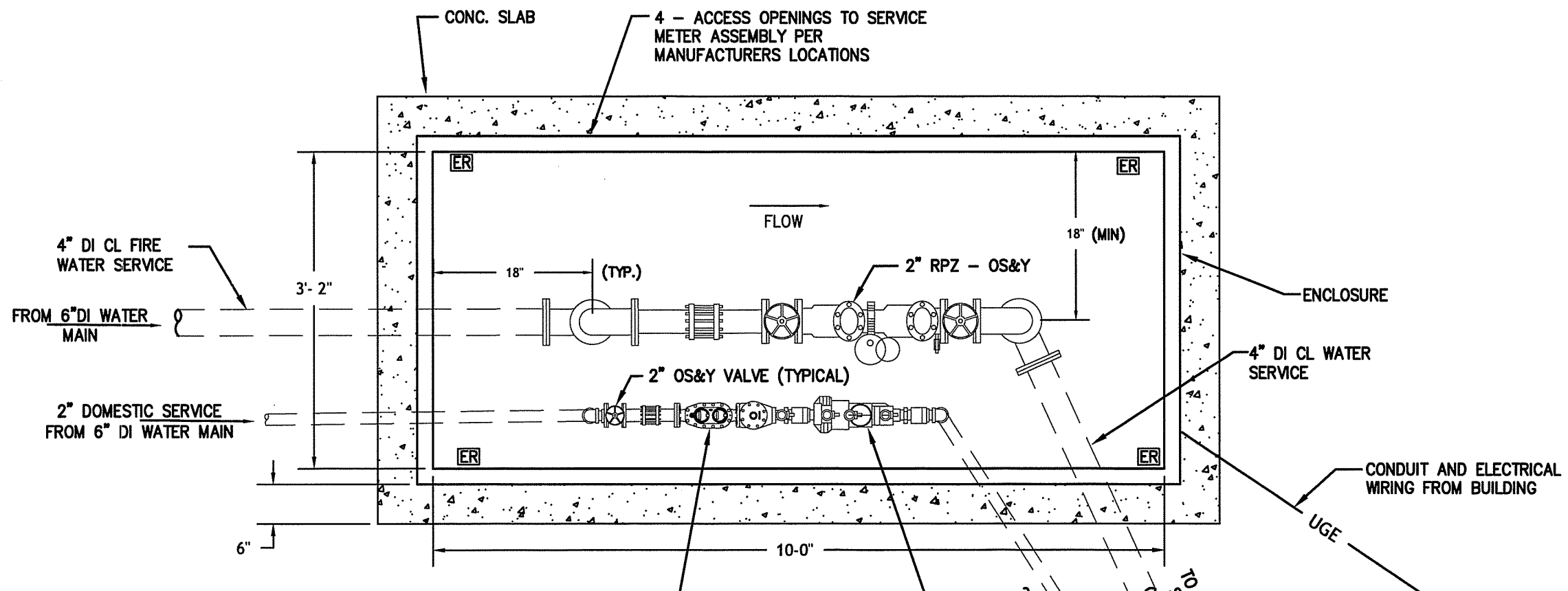
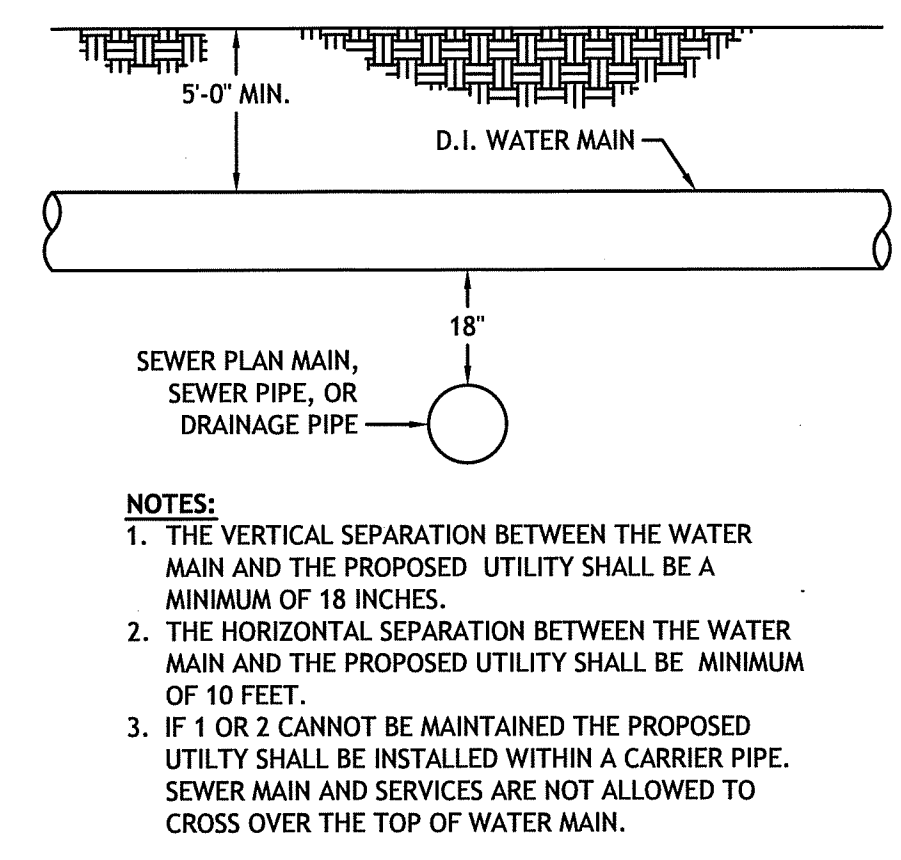
DATE: 19 APRIL, 2019  
JOB No: D.M.D.  
CHECKED BY: D.M.D.  
SCALE: AS NOTED



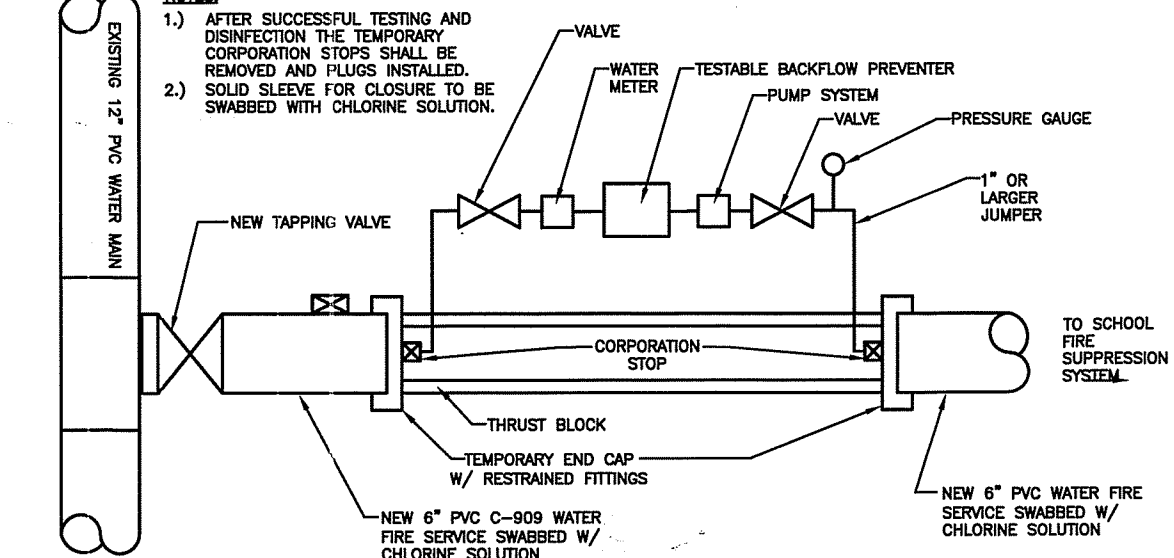
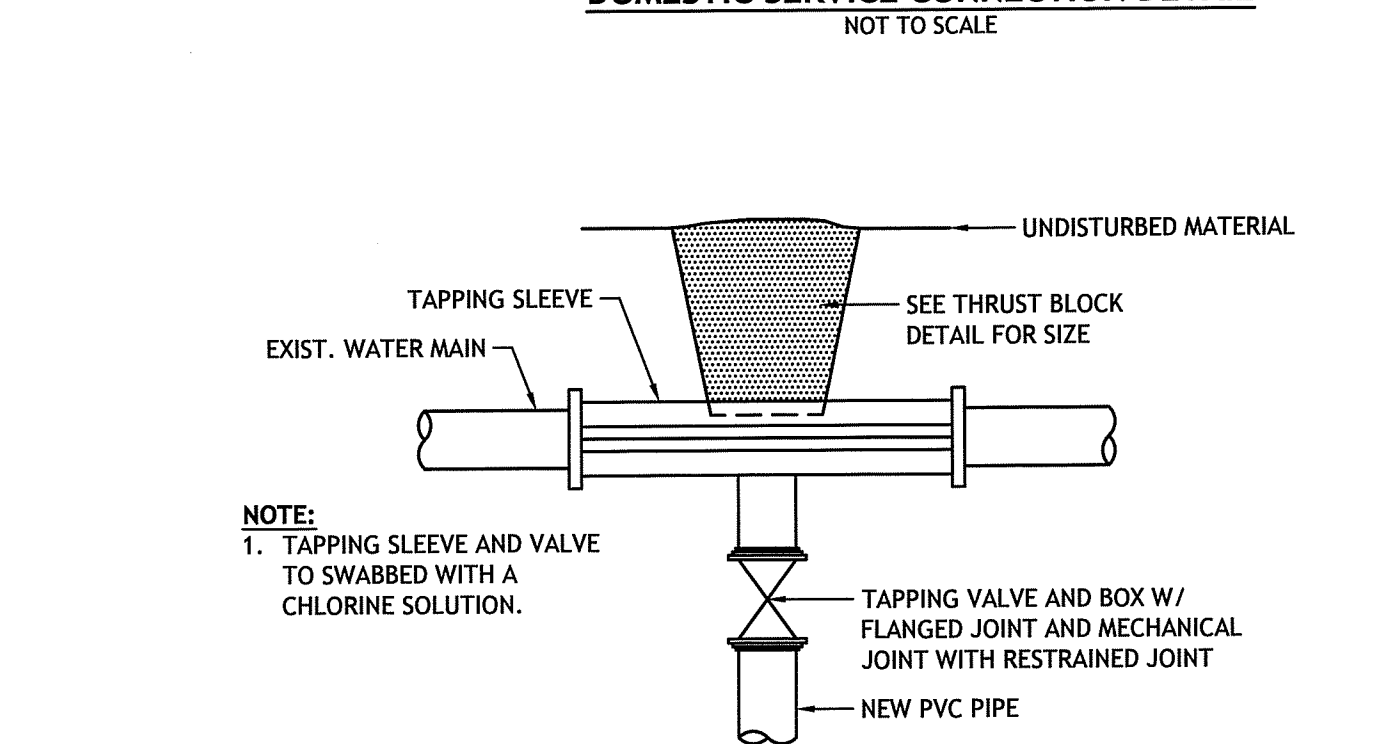
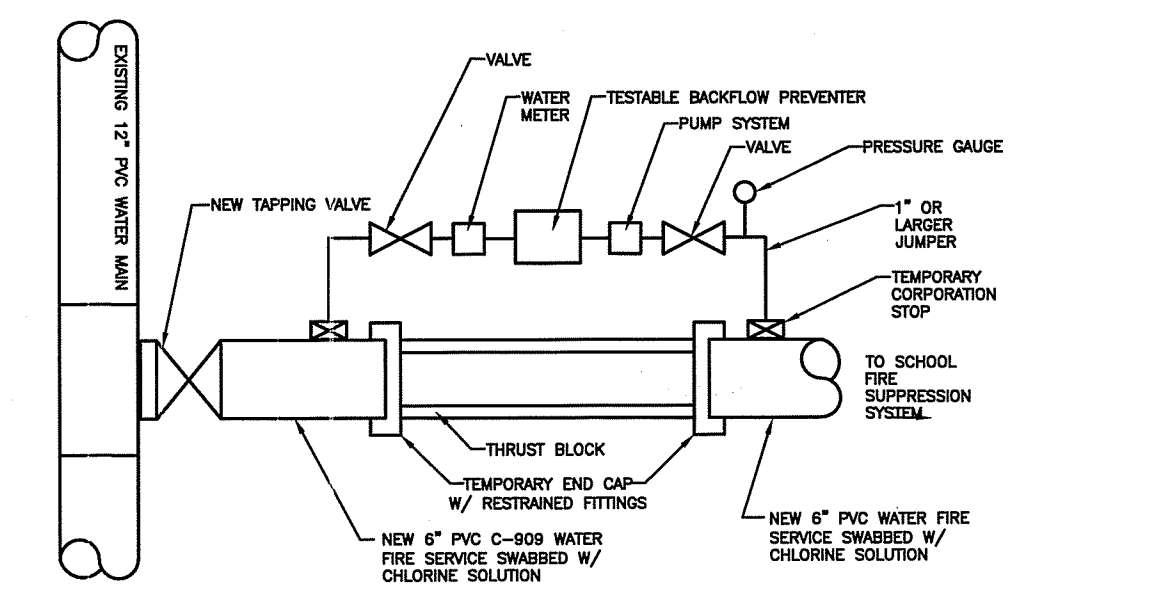
\*INSTALL APRONS AS SHOWN ON PLAN

Location	L	W	SIZE
SITE RIP RAP APRONS	6'	4'	R-3

RIP-RAP	FILTER STONE NSA NO.	RIP-RAP	MIN.	AVG.	MAX.
R-2	FS-1	R-2	1"	1.5"	3"
R-3	FS-2	R-3	2"	3"	6"
R-4	FS-2	R-4	3"	3"	6"

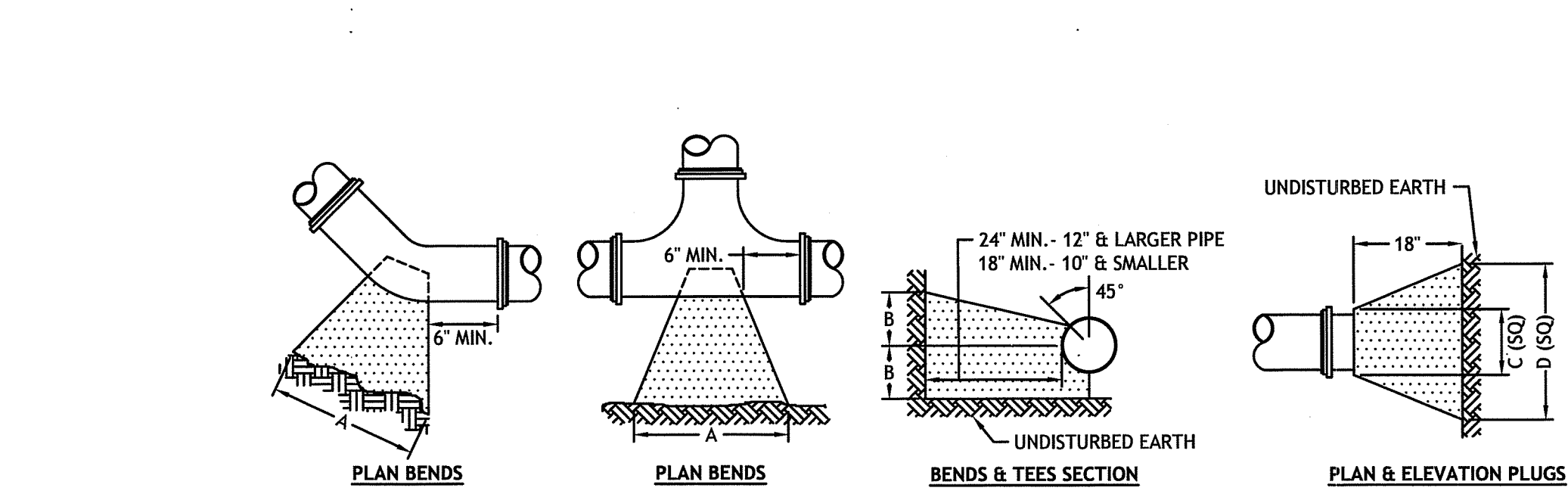
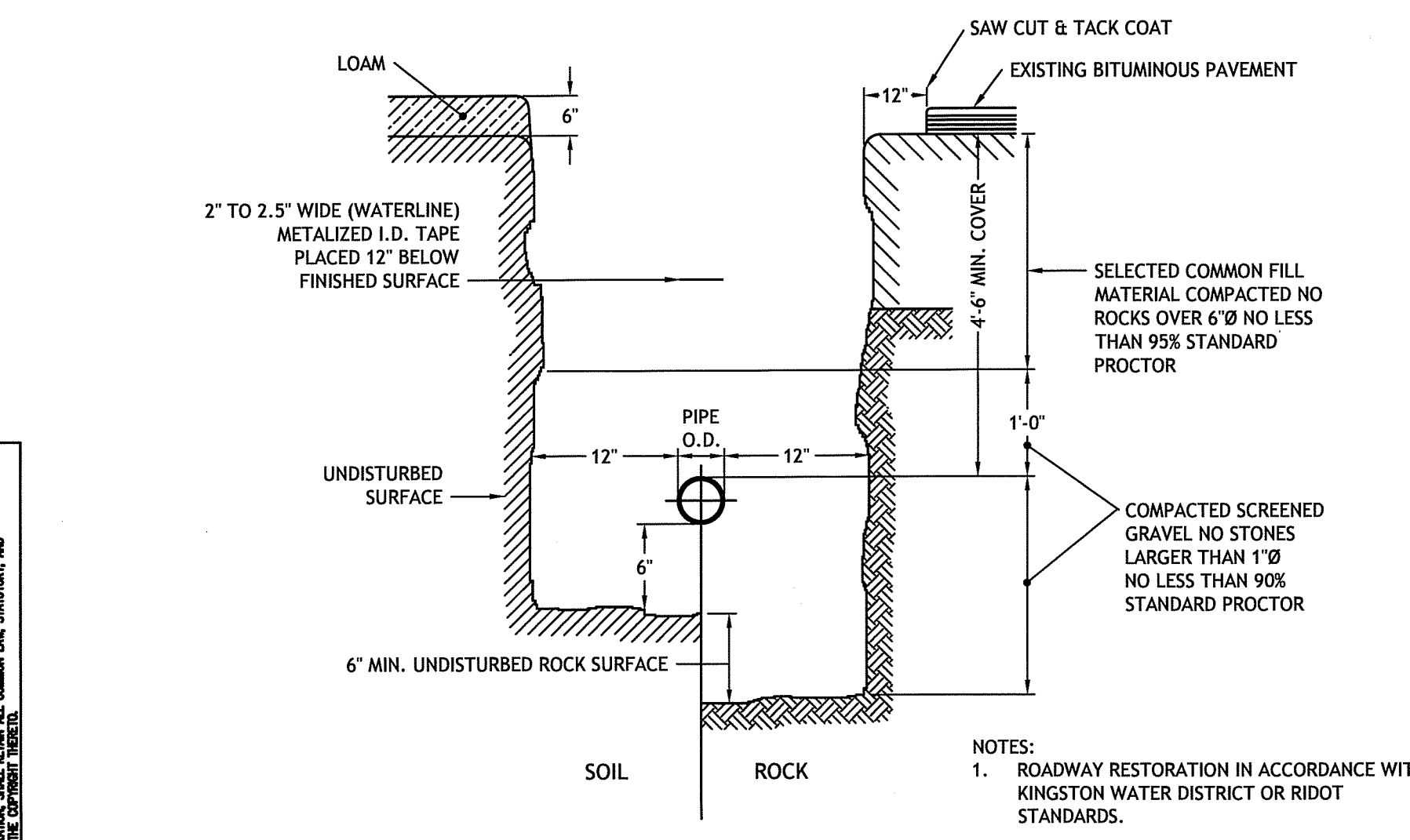


**NOTE:**  
 1. SERVICE MATERIALS PER KCWA SPECIFICATION UNLESS CITY OR TOWN CODES REQUIRE SPECIFIC MATERIALS THAT HAVE BEEN APPROVED BY KINGSTON WATER DISTRICT.  
 2. SERVICE LINE FROM CURB BOX TO BUILDING SHALL BE INSPECTED, TESTED AND APPROVED BY THE LOCAL PLUMBING INSPECTOR.



**TAPPING SLEEVE AND VALVE NOT TO SCALE**

**TEMPORARY CONNECTION FOR PRESSURE TESTING AND DISINFECTION NOT TO SCALE**

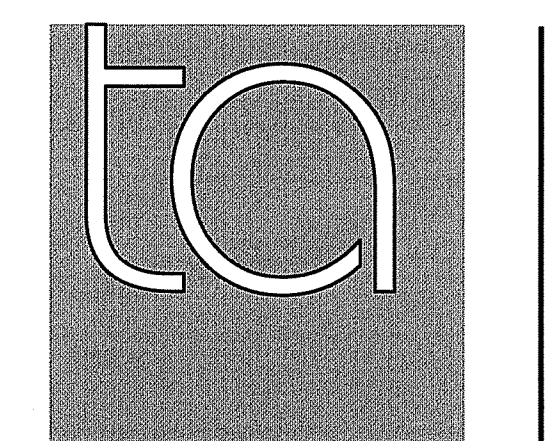


SIZE	TEES				90° BEND		45° BEND		22 1/2° BEND		11 1/4° BEND	
	A	B	C	D	A	B	A	B	A	B	A	B
4"	22"	12"	22"	12"	24"	16"	20"	10"	14"	7"	11"	5"
6"	30"	18"	30"	18"	35"	22"	27"	15"	19"	12"	13"	8"
8"	38"	24"	38"	24"	46"	29"	33"	22"	25"	14"	19"	10"

- WATER RPZ AND METER ENCLOSURE GENERAL NOTE(S):**
- WATER METER AND RPZ SHALL BE PROTECTED FROM FREEZING AT ALL TIMES VIA USE OF A HOT BOX PER KINGSTON WATER STANDARDS.
  - HOT BOX ENCLOSURE SHALL BE HEATED AND INSULATED TO ENCLOSE THE WATER METER AND RPZ WITH THERMOSTAT CONTROLLED HEATING UNIT. HOT BOX ENCLOSURE SHALL MEET NFPA-13.
  - ELECTRICAL POWER FOR NEW WATER METER TO BE TAKEN FROM SCHOOL BUILDING POWER IN ACCORDANCE WITH NEC STANDARDS.
  - ER - DENOTES GENERAL LOCATION OF ELECTRICAL G.F.I. RECEPTACLES. RECEPTACLES TO BE MOUNTED A MINIMUM OF 30" ABOVE TOP OF SLAB.
  - ACCESS OPENINGS (4 EACH SIDE) TO BE DETERMINED BY MANUFACTURER TO PROPERLY SERVICE THE WATER METER EQUIPMENT. OPENINGS SHOULD BE SUPPLIED WITH LOCKABLE LATCHES WITH KEYS. ONE SET OF KEYS SHOULD BE SUPPLIED TO PROVIDENCE WATER.
  - ENCLOSURE SHOULD BE AN ENGINEERED THERMOSTAT CONTROLLED HEATED INSULATED ALUMINUM AQUASHIELD PROTECTIVE ENCLOSURES HOT BOX BFP6-NS TYPE OR APPROVED EQUAL.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
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 DATED NOV 14 2018 FILE # 19-0176  
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 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Wally L. Freeman*

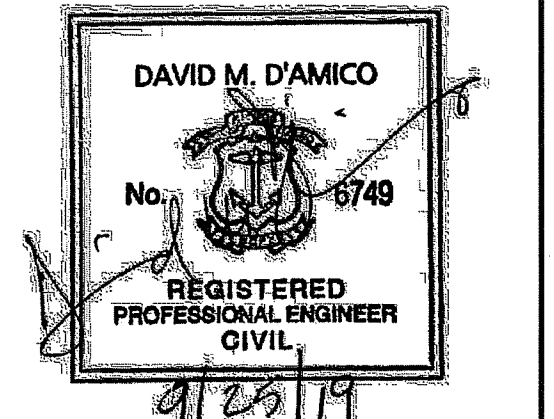


**TORRADO ARCHITECTS**

35 GREENWICH ST.  
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 401.781.0633 P  
 401.781.0661 F



D'AMICO ENGINEERING TECHNOLOGY, INC.



PROJECT:

THE COMPASS SCHOOL RENOVATIONS

CONSTRUCTION SET

SITE DETAIL III PLAN

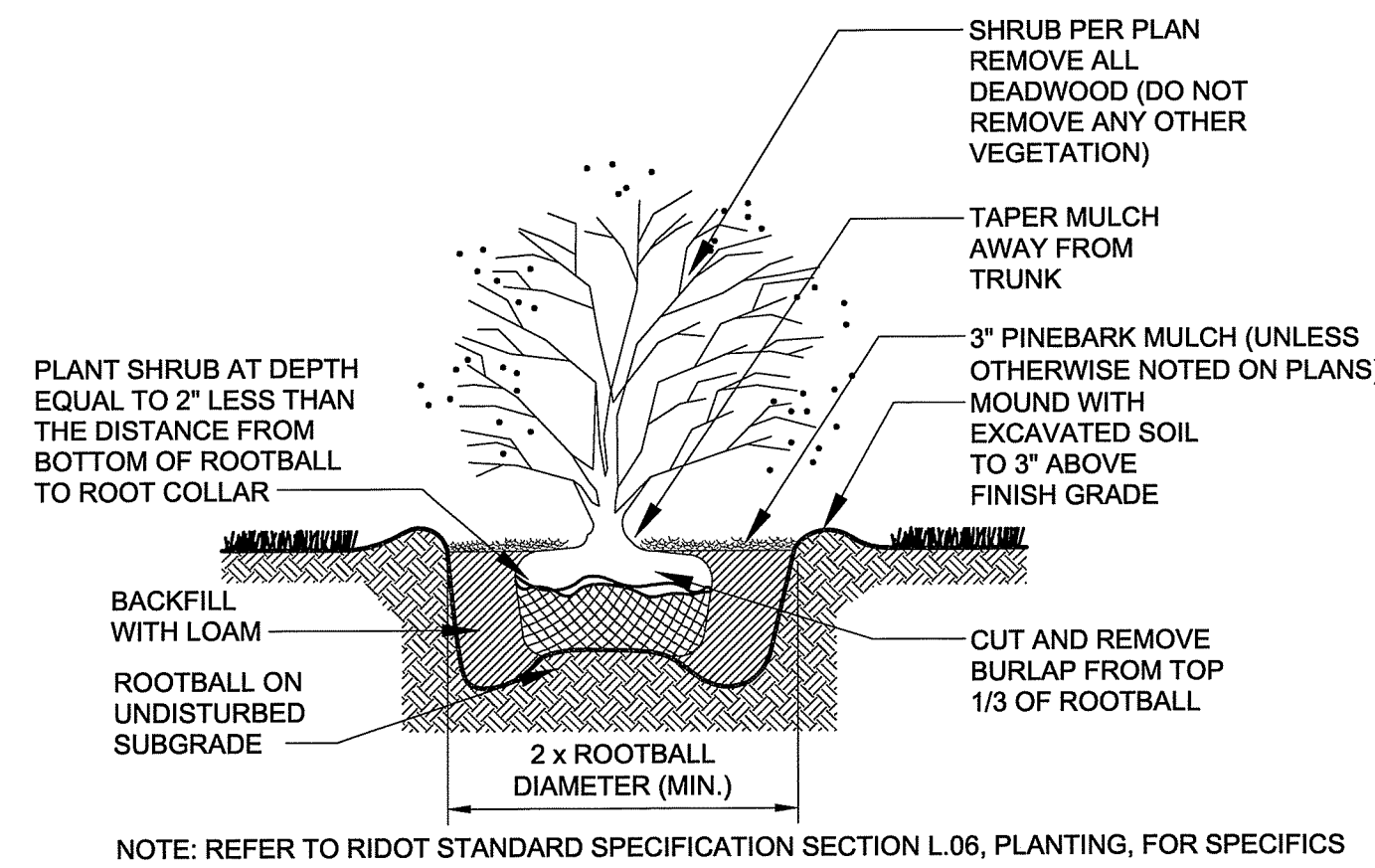
11-19-18 REV. 1 FIRE MARSHAL'S COMMENTS  
 9-25-19 REV. 2 RIDEM COMMENTS

DATE: REV. # DESCRIPTION

REVISIONS:  
 DATE: 19 APRIL, 2019  
 JOB No.:  
 DRWN BY: D.M.D.  
 CHECKED BY: D.M.D.  
 SCALE: AS NOTED

**C7.2**  
 SHEET 13 OF 15





SHRUB PLANTING DETAIL  
Not to scale



**NEW ENGLAND WETLAND PLANTS, INC**

820 WEST STREET, AMHERST, MA 01002  
PHONE: 413-548-8000 FAX: 413-549-4000  
EMAIL: INFO@NEWP.COM WEB ADDRESS: WWW.NEWP.COM

**New England Erosion Control/Restoration Mix for Detention Basins and Moist**

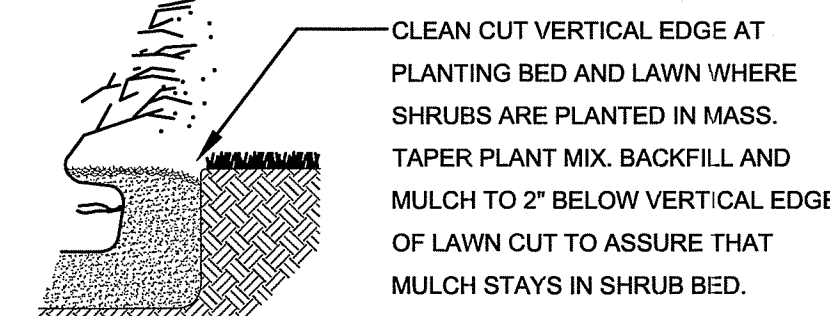
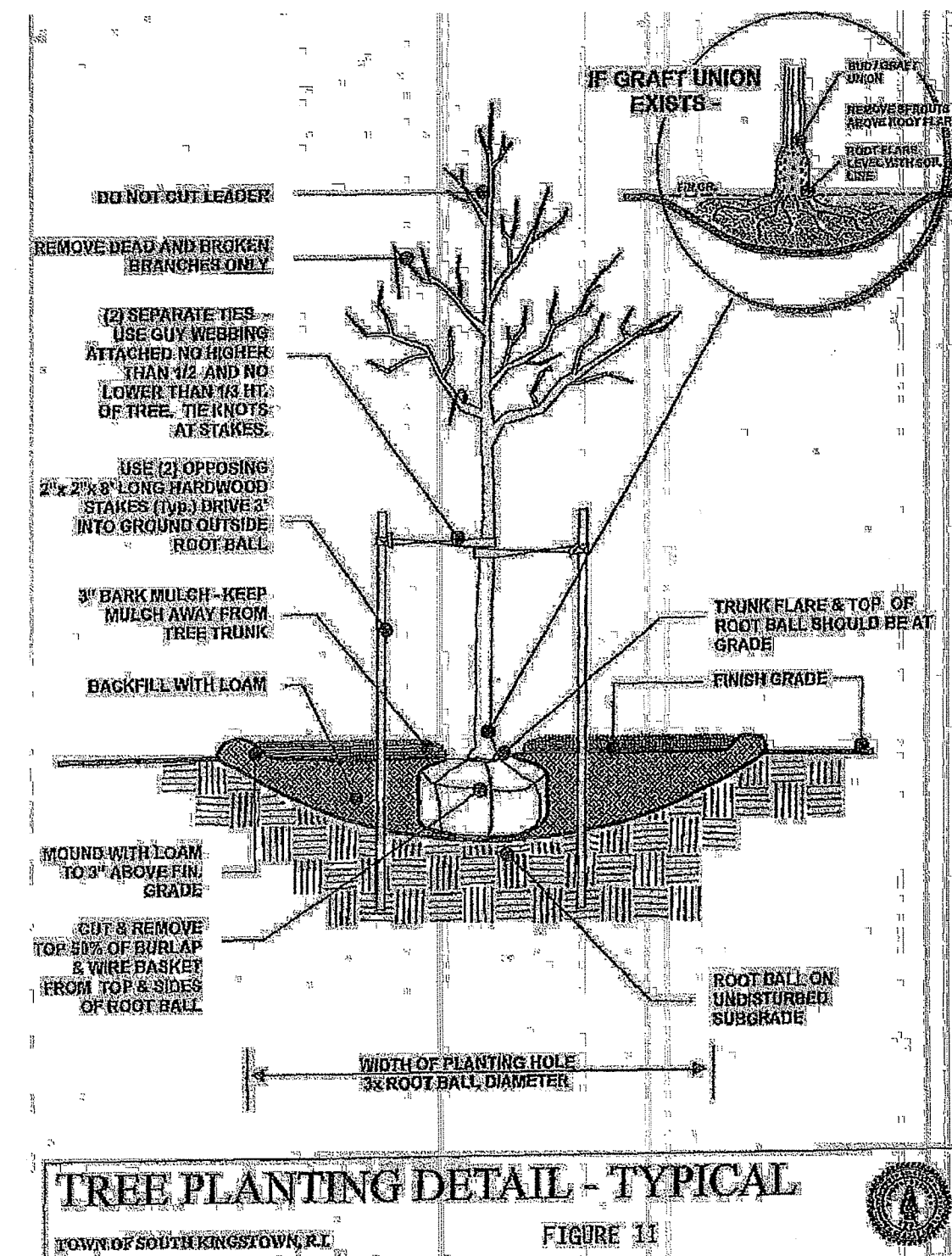
BOTANICAL NAME	COMMON NAME	IND.
<i>Elymus virginicus</i>	Virginia Wild Rye	FACW-
<i>Festuca rubra</i>	Creeping Red Fescue	FACU
<i>Schizachyrium scoparium</i>	Little Bluestem	FACU
<i>Andropogon gerardi</i>	Big Bluestem	FAC
<i>Panicum virgatum</i>	Switch Grass	FAC
<i>Verbena hastata</i>	Blue Vervain	FACW
<i>Agrostis scabra</i>	Rough Bentgrass/Ticklegrass	FAC
<i>Aster novae-angliae</i>	New England Aster	FACW-
<i>Eupatorium maculatum</i>	Spotted Joe Pye Weed	FACW
<i>Eupatorium perfoliatum</i>	Boneset	FACW
<i>Juncus effusus</i>	Soft Rush	FACW+
<i>Scirpus cyperinus</i>	Wool Grass	FACW

PRICE PER LB. \$34.00  
MIN. QUANTITY: 3 LBS.  
TOTAL \$102.00  
APPLY: 35 LBS./ACRE  
1 LB./1250 SQ FT  
MINIMUM QUANTITY: 3 LBS

The New England Erosion Control/Restoration Mix For Detention Basins and Moist Sites contains a selection of native grasses and wildflowers designed to colonize recently disturbed sites where quick growth of vegetation is desired to stabilize the soil surface. It is an excellent seed mix for ecologically appropriate restorations on moist sites that require stabilization as well as long-term establishment of native vegetation. This mix is particularly appropriate for detention basins that do not normally hold standing water. Some plants in this mix can tolerate infrequent inundation, but not constant flooding. Always apply on clean bare soil. The mix may be applied by hydro-seeding, by mechanical spreader, or on small sites it can be spread by hand. Lightly rake, or roll to ensure proper seed to soil contact. Best results are obtained with a Spring or late Summer seeding. Early-Mid Summer seeding will benefit with a light mulching of clean weed-free straw to conserve moisture. If conditions are drier than usual, watering will be required. Late Fall and Winter dormant seeding require an increase in the seeding rate. Fertilization is not recommended. Preparation of a clean weed free seed bed is necessary for optimal results.

New England Wetland Plants, Inc. may modify seed mixes at any time depending upon seed availability. The design criteria and ecological function of the mix will remain unchanged.

Price is \$bulk pound. FOB warehouse, plus S&H and applicable taxes.



SHRUB PLANTING AT LAWN EDGE  
not to scale

**LANDSCAPE NOTES:**

1. GUARANTEE THAT, UPON COMPLETION AND FINAL ACCEPTANCE, LANDSCAPE PLANTINGS CONFORM TO REQUIREMENTS OF CONTRACT DOCUMENTS. PROVIDE A WARRANTY FOR TREE PLANTINGS FOR A MINIMUM OF TWO (2) YEARS, INCLUDING TWO (2) CONTINUOUS GROWING SEASONS. COMMENCE WARRANTY ON DATE IDENTIFIED IN THE 'CERTIFICATE OF FINAL COMPLETION'.
2. REPLACEMENTS: PLANTS OF SAME SIZE AND SPECIES AS SPECIFIED, PLANTED IN THE NEXT GROWING SEASON, WITH NEW WARRANTY AND EXTENDED MAINTENANCE SERVICE COMMENCING ON THE DATE OF REPLACEMENT.
3. PLANT MATERIALS SHALL BE OF SIZE AND CALIPER REQUIRED AND CONFORM TO THE REQUIREMENTS DESCRIBED IN THE LATEST EDITION OF AMERICAN STANDARD FOR NURSERY STOCK, PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
4. PLANTS OF OTHER KINDS THAN THOSE NAMED IN THE PLANT SCHEDULE SHALL NOT BE ACCEPTED WITHOUT APPROVAL. REPLACEMENT PLANTS LARGER IN SIZE THAN EXISTING MAY BE USED IF APPROVED BY THE A/E, PROVIDED USE OF LARGER PLANTS DOES NOT INCREASE CONTRACT PRICE.
5. A PROFESSIONAL HORTICULTURIST/NURSERYMAN SHALL BE CONSULTED TO DETERMINE THE PROPER TIME TO MOVE AND INSTALL PLANT MATERIAL SO THAT STRESS TO THE PLANT IS MINIMIZED. PLANTING OF DECIDUOUS MATERIAL MAY BE CONTINUED DURING WINTER MONTHS PROVIDED THERE IS NO FROST IN THE GROUND AND FROST-FREE TOPSOIL PLANTING MIXTURES ARE USED.
6. UNLESS OTHERWISE APPROVED BY THE A/E, ALL PLANTS SHALL BE NURSERY GROWN IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICES AND SHALL HAVE BEEN GROWN UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE IN THE LOCALITY OF THE PROJECT FOR AT LEAST TWO (2) YEARS.
7. SET PLANTS PLUMB AND AT SUCH A LEVEL THAT AFTER SETTLEMENT THEY BEAR THE SAME RELATION TO THE SURROUNDING GROUND AS THEY BORE TO THE GROUND FROM WHICH THEY WERE DUG. SETTLE BACKFILL MATERIAL FOR PLANTS, THOROUGHLY & PROPERLY, BY FIRING OR TAMPING. ACCOMPANY BACKFILLING WITH THOROUGH WATERING UNLESS OTHERWISE APPROVED. FORM SAUCER CAPABLE OF HOLDING WATER AROUND INDIVIDUAL PLANTS.
8. FERTILIZE SHRUB BEDS WITH 10-6-4 FERTILIZER AT THE RATE OF 3 POUNDS PER 100 SQUARE FEET OF SURFACE AREA, BROAD CAST. APPLY THE FERTILIZER UNIFORMLY TO THE SURFACE BEDS AND WORK INTO THE UPPER TWO (2) INCHES OF SOIL. FERTILIZE INDIVIDUAL TREES AT THE RATE OF ONE (1) AGRIFORM PELLET PER INCH OF TREE DIAMETER (FOLLOW MANUFACTURER'S WRITTEN INSTRUCTIONS). APPLY A SECOND APPLICATION OF FERTILIZER TO ALL PLANT ITEMS AT THE SAME SPECIFIED RATES OVER THE MULCH AT THE END OF AN EIGHT WEEK PERIOD.
9. CONTAINER GROWN MATERIALS: REMOVE PLANT FROM CONTAINER AND "BUTTERFLY" ROOT BALL OR OTHERWISE SPREAD OUT ROOTS ON SETTING MOUND. BACKFILL SHALL BE SIFTED THROUGH THEM AND SOLIDLY FIRMED.
10. AFTER PLANTING PRUNE ONLY BROKEN OR DEFORMED BRANCHES AND IN SUCH MANNER AS TO PRESERVE NATURAL CHARACTER OF PLANT.
11. IMMEDIATELY AFTER PLANTING, STAKE TREES OVER FIVE (5) FEET AS INDICATED ON DETAIL DRAWING INDICATED OR APPROVED BY THE OWNERS REPRESENTATIVE. MULCH SHALL BE APPLIED A MINIMUM OF THREE (3) INCHES IN DEPTH IN ALL PLANTING BEDS, AS INDICATED ON THE DRAWINGS.
12. THE PLANTS SHALL BE WATERED IMMEDIATELY FOLLOWING PLANTING, PREFERABLY WHEN TWO THIRDS OF THE BACKFILL HAS BEEN PLACED SO ALL AIR POCKETS ARE REMOVED AND THE PLANT PROPERLY SET. ADDITIONAL WATERING SHALL BE MADE AT LEAST ONCE EVERY THREE (3) WEEKS UNLESS OTHERWISE DIRECTED UNTIL FINAL ACCEPTANCE OF THE PLANT MATERIAL.
13. INSTALL 'JUTE MESH' EROSION CONTROL FABRIC WHERE FINAL GRADES ARE 3:1 (33%) OR GREATER PER MANUFACTURER'S INSTRUCTIONS.
14. UNLESS OTHERWISE SPECIFIED, CONTRACTOR TO LOAM AND SEED ALL DISTURBED AREAS. SEEDING NOTE: USE UNIVERSITY OF RHODE ISLAND NO. 2 IMPROVED SEED MIX OR EQUAL. TREE PRUNING NOTE: STREET TREES SHOULD BE PRUNED TO MAINTAIN A MINIMAL BRANCH HEIGHT OF 8' WITHIN TWO (2) YEARS OF INSTALLATION OF THE TREE.
15. LANDSCAPE ESTABLISHMENT AND MAINTENANCE NOTE: CONTRACTOR SHALL ENSURE THAT ALL LAWN AREAS AND PLANTINGS ARE FULLY ESTABLISHED AND ACCEPTABLE TO THE OWNER'S REPRESENTATIVE PRIOR TO RELINQUISHING THEIR RESPONSIBILITIES FOR MAINTENANCE OF THESE AREAS.
16. TREE PROTECTION NOTE: NO MATERIAL, TEMPORARY SOIL DEPOSIT OR EXCAVATION SHALL OCCUR WITHIN FOUR FEET OF SHRUBS OR WITHIN TWO FEET OF THE DRIP LINE OF ANY SHRUBS OR TREES TO REMAIN. ANY RETAINED EXISTING VEGETATION SHALL BE PROTECTED AS PER DETAIL ON PLAN.

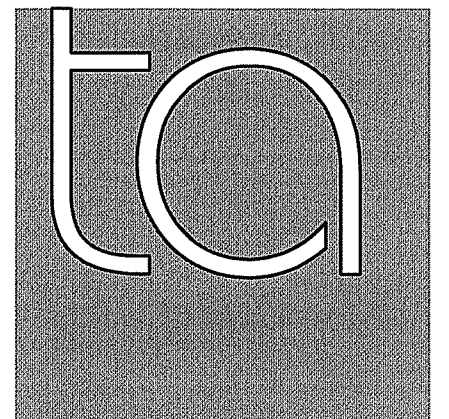
**BIO-RETENTION BASIN 1  
PLANTING SCHEDULE**

SYM	QTY	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS
A					
	101	Iris versicolor	Blueflag Iris	plug	18" o.c. spacing
	101	Scirpus cyrinus	Wool Grass	plug	18" o.c. spacing
	101	Pontederia cordata	Pickereelweed	plug	18" o.c. spacing
	1	Quercus bicolor (QB)	Swamp Oak	7 gallon	
B					
VC	5	Vaccinium corymbosum	Highbush Blueberry	1 gallon	spacing as shown on plan
IV	8	Ilex verticillata	Winterberry	1 gallon	spacing as shown on plan
CS	17	Cornus sericea	Red-osier Dogwood	plug	18" o.c. spacing
	204	Verbena hastata	Blue Vervain	plug	18" o.c. spacing
	204	Juncus effusus	Soft Rush	plug	18" o.c. spacing
	204	Eupatorium maculatum	Joe-pye Weed	plug	18" o.c. spacing

**PLANT SCHEDULE**

DECIDUOUS TREES	CODE	QTY	BOTANICAL NAME / COMMON NAME	B&B	CALIPER
	AA	6	Acer rubrum 'Armstrong' / Armstrong Red Maple	B & B	2"Cal
	AS6	2	Acer saccharum 'Green Mountain' TM / Green Mountain Sugar Maple	B & B	2"Cal
	GA	1	Ginkgo biloba 'Autumn Gold' TM / Maidenhair Tree	B & B	2.5"Cal
	LT3	2	Liriodendron tulipifera / Tulip Tree	B & B	2"Cal
	QA	2	Quercus alba / White Oak Native to RI	B & B	2"Cal
	QR2	3	Quercus rubra / Red Oak	B & B	2"Cal
	TG2	5	Tilia cordata 'Greenspire' / Greenspire Littleleaf Linden	B & B	2"Cal
EVERGREEN TREES	CODE	QTY	BOTANICAL NAME / COMMON NAME	B&B	CALIPER
	AC6	2	Abies concolor / White Fir	B & B	10' -12' HT.
	PG5	3	Picea glauca / White Spruce	B & B	8' HT.
	PP2	2	Picea pungens 'Colorado Green' / Green Spruce	B & B	8' HT.
FLOWERING TREES	CODE	QTY	BOTANICAL NAME / COMMON NAME	B&B	CALIPER
	AG9	4	Amelanchier x grandiflora 'Autumn Brilliance' / 'Autumn Brilliance' Serviceberry	B & B	10' -12' HT.
	CR	4	Chionanthus retusus / Chinese Fringe Tree	B & B	1.25"Cal
	MD	3	Magnolia x loebneri 'Dr. Merrill' / Magnolia	B & B	2.5"Cal
SHRUBS	CODE	QTY	BOTANICAL NAME / COMMON NAME	CONT/B&B	SIZE
	CA11	12	Clethra alnifolia 'Ruby Spice' / Ruby Spice Clethra Mature Height: 4'-6'	5 gal	
	CI	14	Cornus sericea 'Ivory Halo' / Variegated Redtwig Dogwood	5 gal	
	DN2	2	Deutzia gracilis 'Nikko' / Slender Deutzia Mature Height: 2'	5 gal	
	FG2	5	Fothergilla gardenii / Dwarf Fothergilla	2 gal	
	HMNB	7	Hydrangea macrophylla 'Nikko Blue' / Nikko Blue Hydrangea Mature Height: -6'	5 gal	
	IR	18	Ilex verticillata 'Red Sprite' / Red Sprite Winterberry	3 gal	
	LR2	11	Leucothoe fontanesiana 'Rainbow' / Rainbow Leucothoe	3 gal	
	RN	3	Rhododendron catawbiense 'Nova Zembla' / Catawba Rhododendron Mature Height: 5'	5 gal	
	RM7	16	Rhododendron maximum / Rose Bay	B & B	6' HT.
	VH4	15	Vaccinium corymbosum / Highbush Blueberry	5 gal	
GRASSES	CODE	QTY	BOTANICAL NAME / COMMON NAME	CONT/B&B	SIZE
	PS10	5	Panicum virgatum 'Shenendoah' / Burgundy Switch Grass	2 gal	

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Mary L. Finnell



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THE COMPASS SCHOOL  
RENOVATIONS

CONSTRUCTION SET  
CONTENT:

LANDSCAPE  
DETAILS

11-19-18 REV. 1 FIRE MARSHAL'S COMMENTS

DATE: REV. # DESCRIPTION

REVISIONS:  
DATE: 19 APRIL, 2019  
JOB No.:  
DRWN BY: D.C.S.  
CHECKED BY: D.C.S.  
SCALE: AS NOTED

**L2.0**  
SHEET 15 OF 15