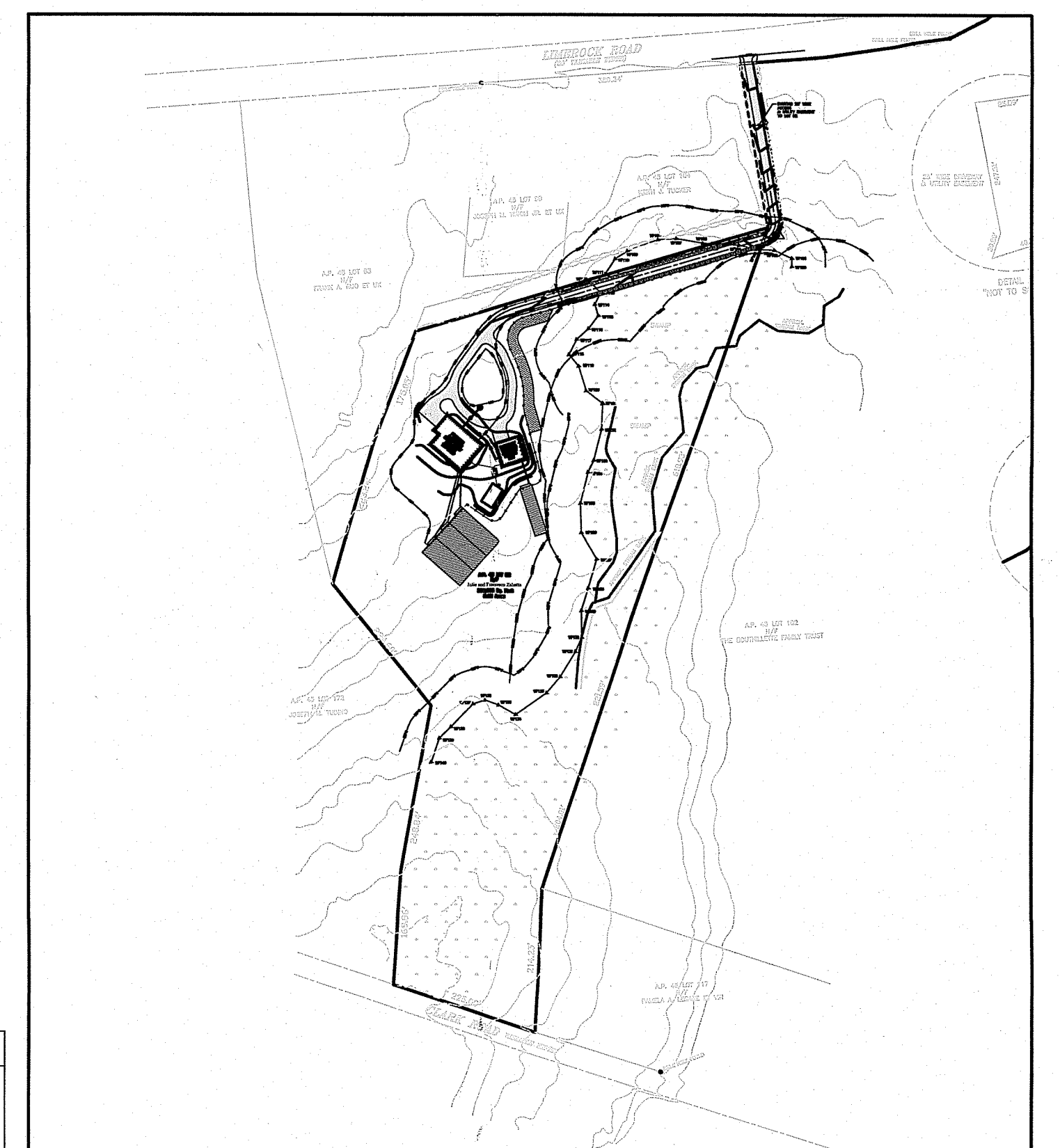
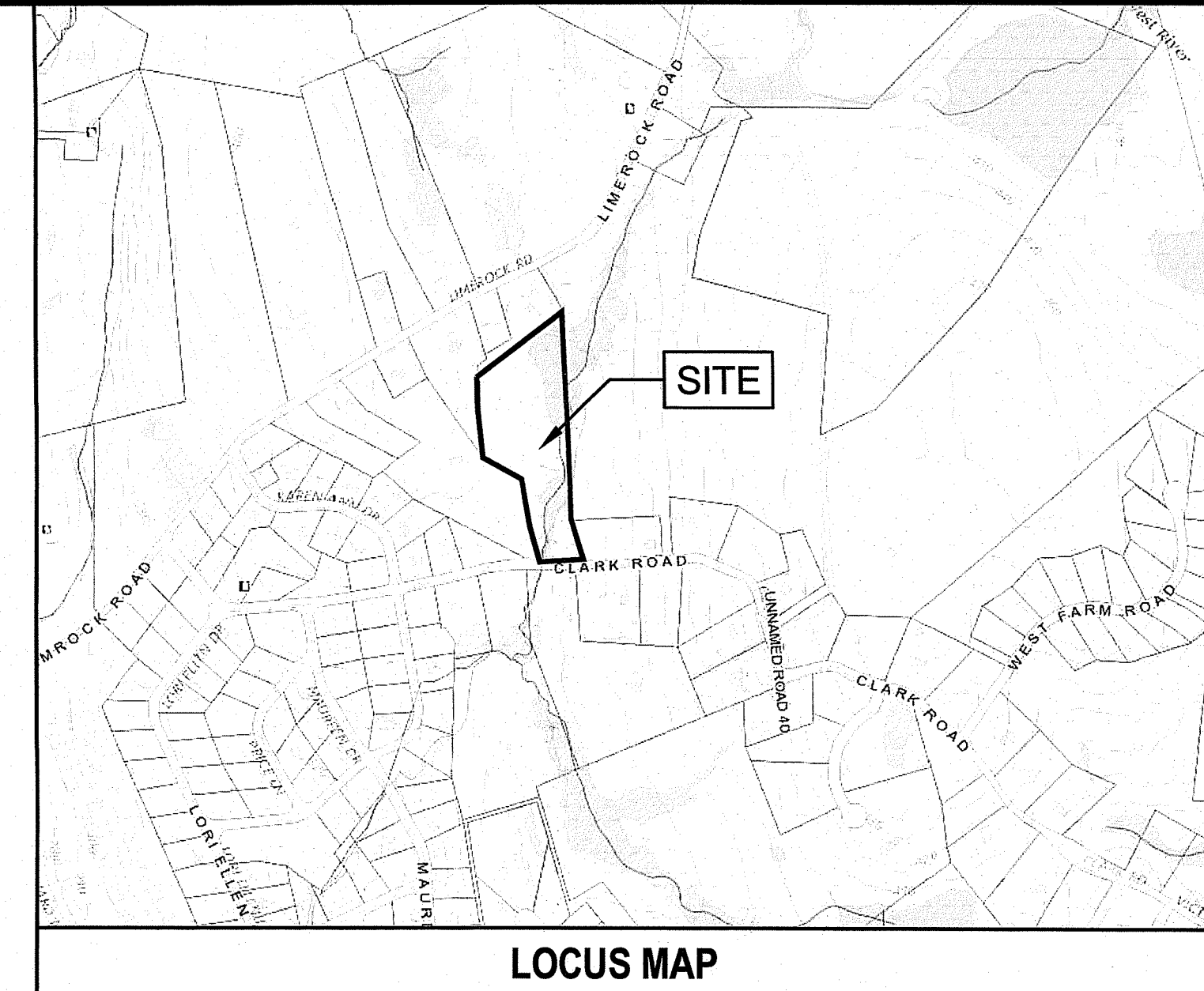


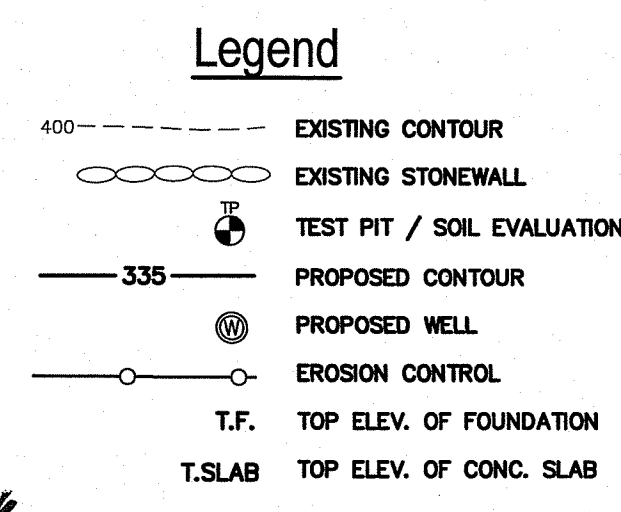
Table 3. Minimum Criteria for Qualifying Pervious Areas on Single-Family Residential Lots

Drainage Area and Size	Location	Conveyance
<ul style="list-style-type: none"> The rooftop, driveway or parking area draining to any one QPA cannot exceed 1,000 ft². For roof runoff, the length of the flow path through the QPA shall be equal to or greater than the contributing rooftop area divided by 13.3. The width of the QPA shall be equal to or greater than the length of the contributing rooftop area. For driveway runoff, the length and width of the QPA shall be no less than the length and width of the driveway. For example, if a driveway is 15 feet wide and 40 feet long, the QPA width shall be no less than 15 feet wide and 40 feet long. 	<ul style="list-style-type: none"> In locations where there is a history of groundwater seepage and/or basement flooding, QPAs should not be utilized. The flow path through the QPA must be 25 feet from any onsite wastewater treatment system (OWTS). The slope of the QPA shall be less than or equal to 5.0%. Although they may abut, there shall be no overlap between QPAs. For example, the runoff from two 1,000 ft² sections of roof must be directed to separate QPAs. They shall not be directed to the same area. 	<ul style="list-style-type: none"> Lawn areas may not be used as QPAs for individual single-family residential lots. Stormwater runoff may be conveyed across a lawn area to a QPA provided the area of lawn between the discharge point and the QPA is less than 25 feet wide. Wetlands and coastal features may not be used as QPAs, however part or all of an upland buffer zone, perimeter wetland or riverbank wetland (as defined in DEM Rules Section 4.00) may be used as a QPA. Activities such as planting or alteration of vegetation within a coastal buffer zone will require additional written approval from CRMC. To prevent basement seepage, at a minimum, runoff must be directed away from the building foundation and be infiltrated at the QPA at least 10 feet away from the foundation. Downspouts must discharge at least 10 feet away from the nearest impervious surface to prevent reconnection to any storm sewers. Downspouts must include appropriate provisions, such as a splash block or level spreader to induce non-erosive sheet flow.



Planting Schedule

SYMBOL	NAME	HEIGHT	SPACING	QTY.
⊙	INKBERRY (LEX GLABRA)	3'-4'	8 FT. O.C.	57
⊙	COMMON WINTERBERRY (LEX VERTICILLATA)	4'-5'	8 FT. O.C.	34

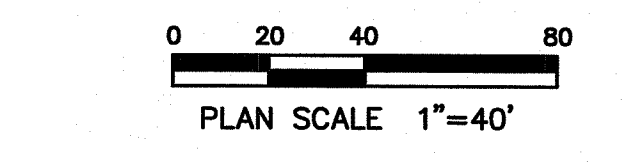


DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED SEP 15 2021 FILE # 21-0224
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Martin D. Weneck

- General Notes:**
- PROPERTY LINE, EXISTING CONDITIONS, AND TOPOGRAPHY SHOWN ON THIS PLAN WAS PREPARED BY MARSH & LONG SURVEYING, INC. OF SMITHFIELD, RI.
 - WETLANDS WERE FIELD DELINEATED BY MASON & ASSOCIATES, INC. ON SEPTEMBER 21, 2017.
 - THE CONTRACTOR SHALL NOTIFY DIG-SAFE 72 HOURS PRIOR TO START OF CONSTRUCTION.
 - EROSION CONTROL MEASURES SHOWN ON THIS PLAN ARE TO BE CONSIDERED THE MINIMUM REQUIREMENT FOR CONTROL. THE CONTRACTOR SHALL HAVE THE RESPONSIBILITY TO INSTALL AND MAINTAIN ADDITIONAL EROSION CONTROLS AS REQUIRED DURING CONSTRUCTION TO MITIGATE SEDIMENT RUNOFF AND PROVIDE FOR SLOPE PROTECTION.
 - ALL DISTURBED AREAS WITHIN LIMIT OF WORK ARE TO BE LOAMED (4" MIN.) & SEEDED AND/OR LANDSCAPED WITH PLANTED MULCH BEDS.
- Zoning Information**
- | | |
|----------------------|-------------|
| ZONE DESIGNATION | R80 |
| MINIMUM LOT SIZE | 80,000 S.F. |
| MINIMUM LOT FRONTAGE | 200 FT. |
| FRONT SETBACK | 40' |
| REAR SETBACK | 75' |
| SIDE SETBACK | 25' |

- OnSite Wastewater Treatment System Notes**
- ALL DESIGN, CONSTRUCTION, AND MAINTENANCE REQUIREMENTS, WHETHER NOTED HEREON OR NOT, SHALL BE IN CONFORMANCE WITH RULES AND REGULATIONS ESTABLISHING MINIMUM STANDARDS RELATING TO LOCATION, DESIGN, CONSTRUCTION AND MAINTENANCE OF ONSITE WASTEWATER TREATMENT SYSTEMS, JANUARY 1, 2008 AND ALL AMENDMENTS, BY THE RHODE ISLAND DEPT. OF ENVIRONMENTAL MANAGEMENT.
 - STRIP LEACHING AREA AND EXCAVATE DOWN TO ELEVATION XXXX AT TRENCH LOCATIONS ONLY (IF SOILS ALLOW) AND REPLACE WITH GRAVEL AS SPECIFIED IN RIDEM REGULATIONS.
 - INSTALLER MUST ASSURE THAT BOTTOM AND SIDES OF EXCAVATION FOR THE LEACHFIELD ARE NOT COMPACTED OR SMEARED.
 - ALL TREES, STUMPS, AND BRUSH SHALL BE REMOVED WITHIN 10 FEET OF THE SYSTEM.
 - MAINTAIN INVERT ELEVATION OF XXXX FOR 10 FEET AROUND SYSTEM.
 - THERE ARE NO KNOWN PRIVATE WELLS OR DRAINS EXIST, OR PROPOSED LOCATED WITHIN 200 FEET OF THE OWTS EXCEPT AS SHOWN AND NO KNOWN PUBLIC WELLS (EXIST. & PROP.) LOCATED WITHIN 500 FEET OF THE PROPOSED OWTS.
 - THERE ARE NO KNOWN SUBSURFACE DRAINS, EXISTING OR PROPOSED, WITHIN 50 FEET OF THE PROPOSED OWTS.
 - ALL PVC PIPE SHALL BE 4" DIA. SDR 35 OR EQUIVALENT, UNLESS NOTED OTHERWISE.
 - THE SEPTIC TANK SHALL HAVE TEES ON BOTH THE INLET AND OUTLET AND SHALL BE A TWO (2) COMPARTMENT TANK WITH THE 1ST COMPARTMENT CONSISTING OF 2/3 TANK CAPACITY.
 - THE DISTRIBUTION BOX SHALL HAVE A MINIMUM BOTTOM AREA OF 3 SQUARE FEET.
 - NO VEHICULAR TRAFFIC IS ALLOWED OVER THE LEACHFIELD.
 - THE INSTALLER SHALL CONTACT THE DESIGN OF RECORD AT LEAST 24 HOURS PRIOR TO START OF CONSTRUCTION.



Advanced Civil Design, Inc.
CIVIL ENGINEERS
88 PEEPTOAD ROAD
SCITUATE, RI 02857
PH: (401) 473-4404

NO.	DATE	REVISION
1	3/19/2021	ADDRESS RIDEM COMMENTS

PROJECT:
Proposed Single-Family Dwelling

A.P. 45 LOT 52
LIMEROCK ROAD
SMITHFIELD, RI

OWNER/APPLICANT:
Julie and Francesco Zabatta
21 Timberland Drive
Lincoln, RI 02865

DRAWING TITLE:
Proposed Site Plan

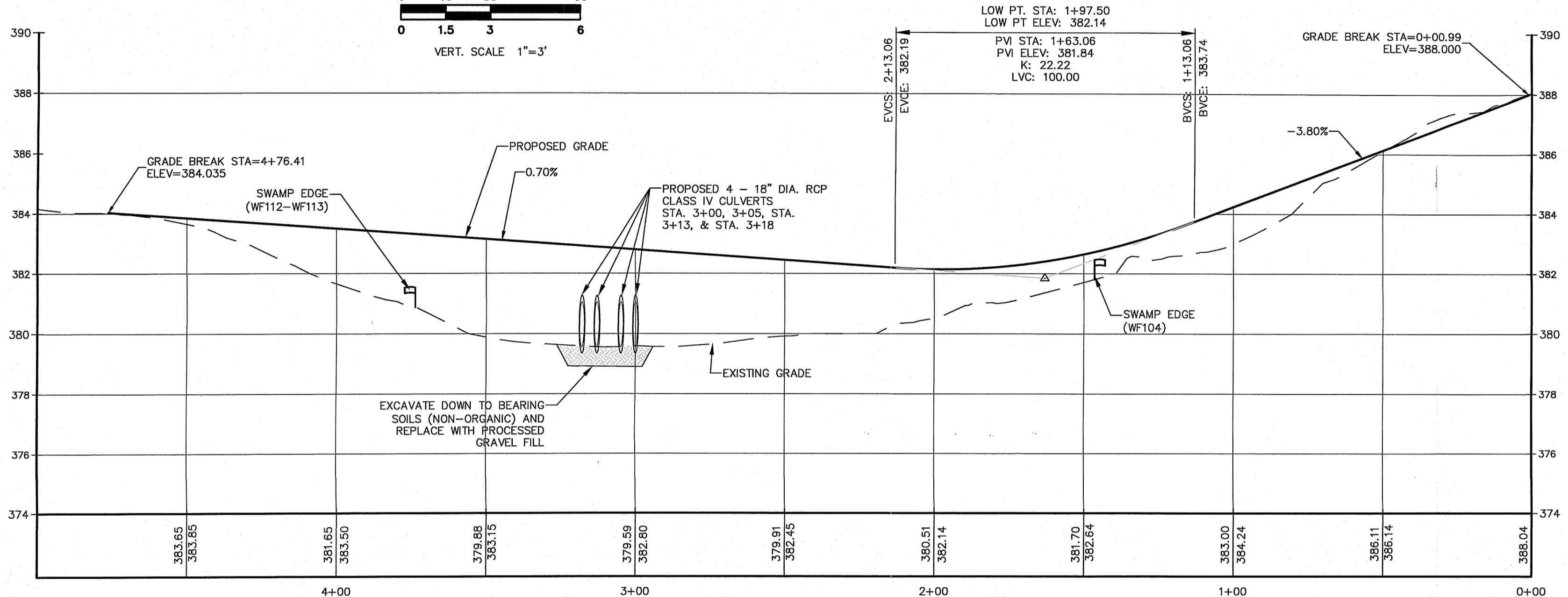
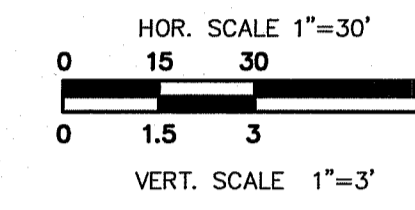
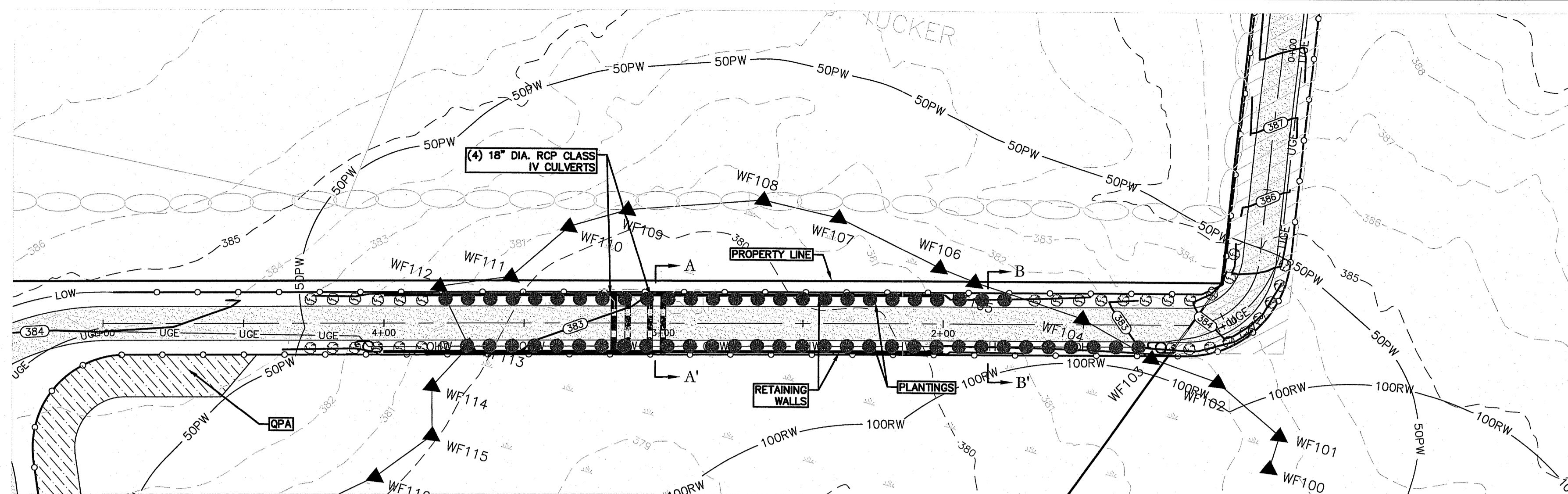
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SCALE: 1"=40'	CHECKED BY: C.S.R.

DRAWING NO. **C-1**

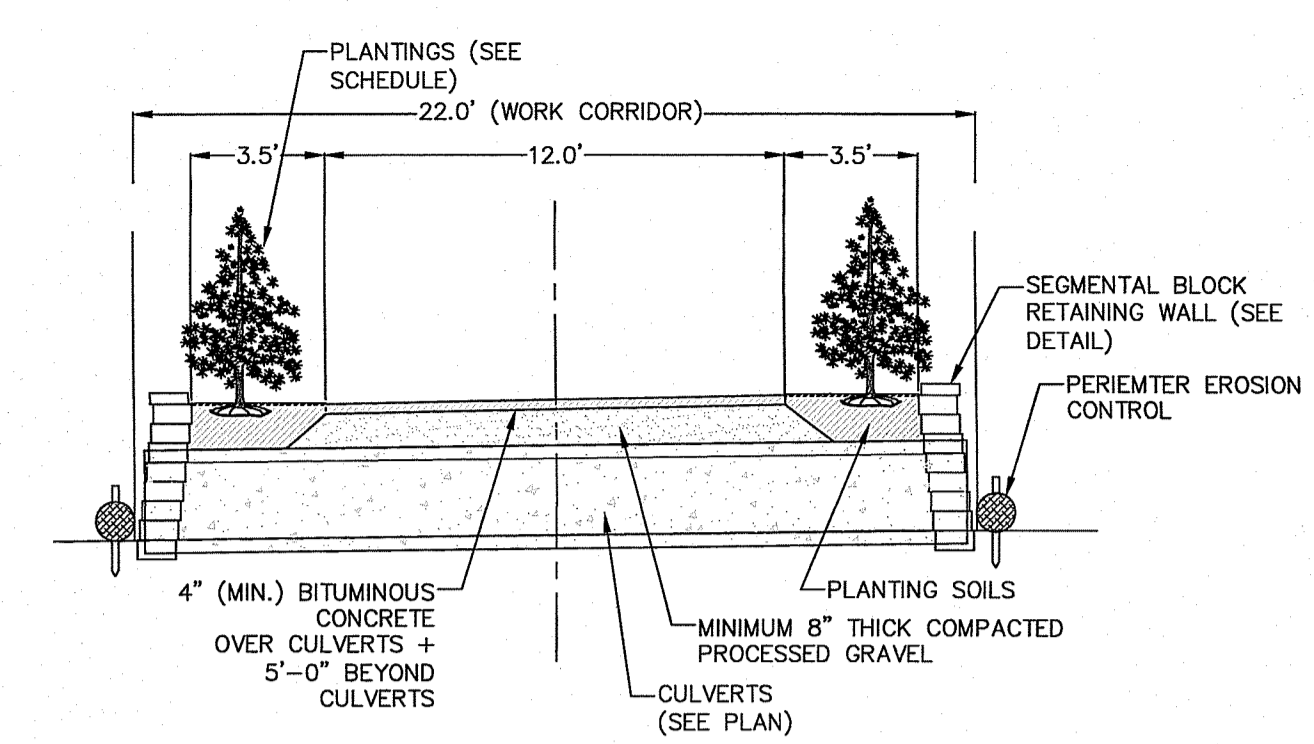
SHEET 1 OF 2

REGISTERED PROFESSIONAL ENGINEER (CIVIL)
No. 8756
3/19/2021

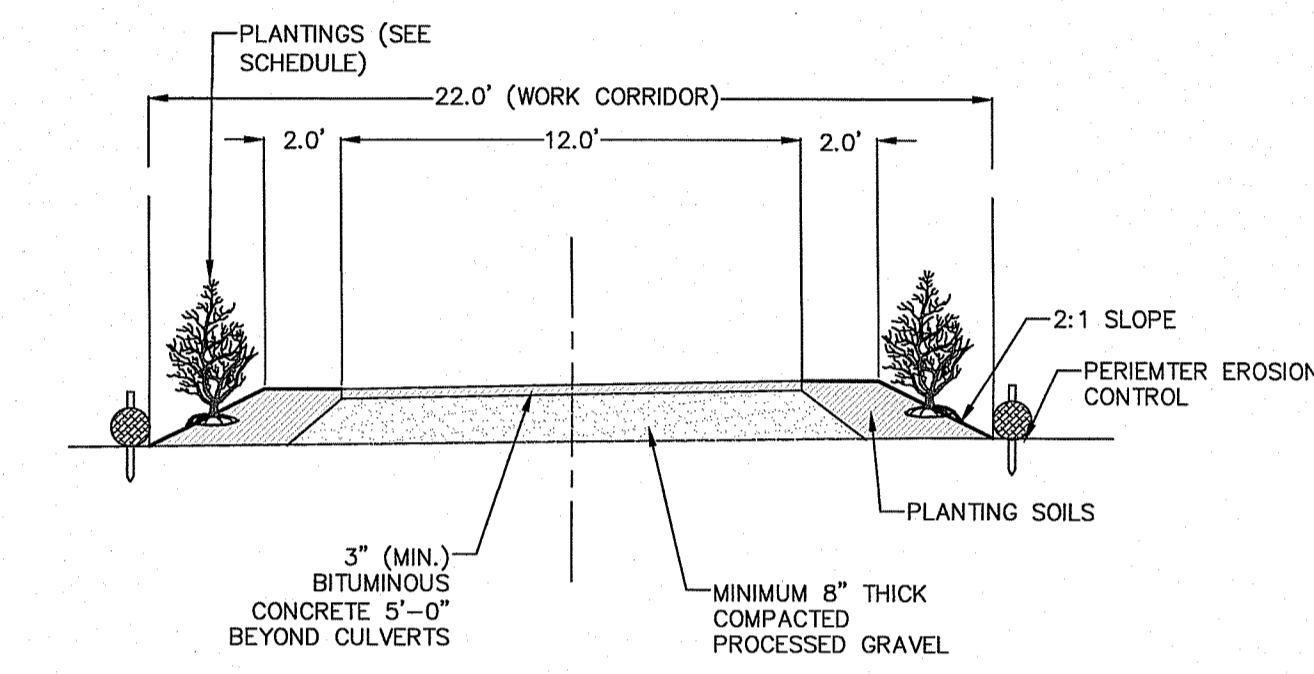
PLAN FOR NOTICE



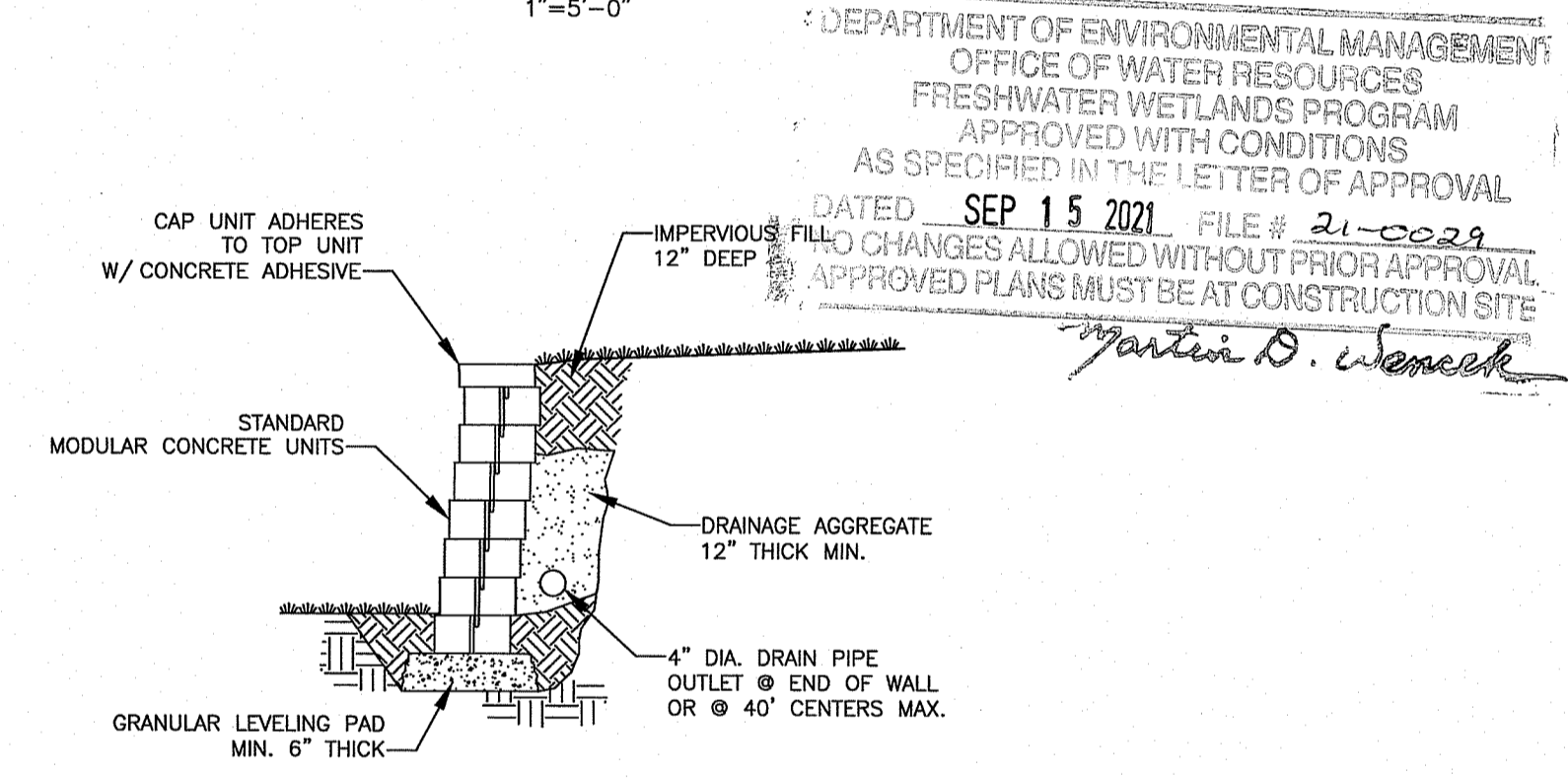
Driveway Profile @ Wetland Crossing
Sta. 0+00 to 5+00



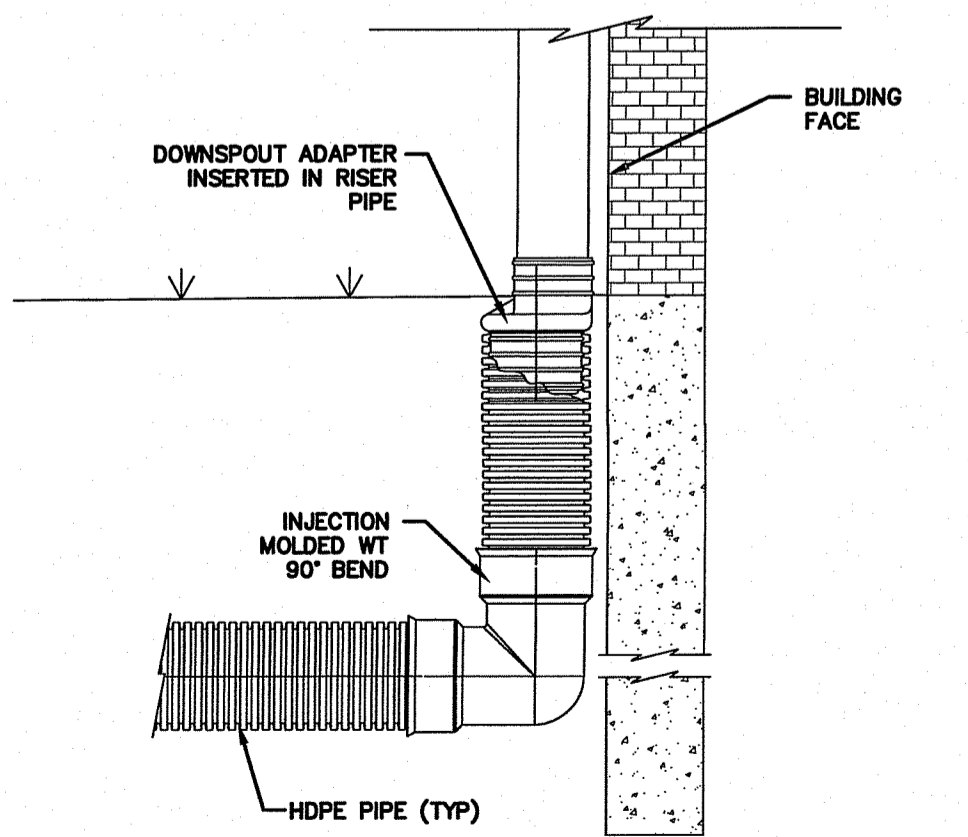
DRIVEWAY CROSS SECTION A-A'
Sta. 2+00 to 4+00
1"=5'-0"



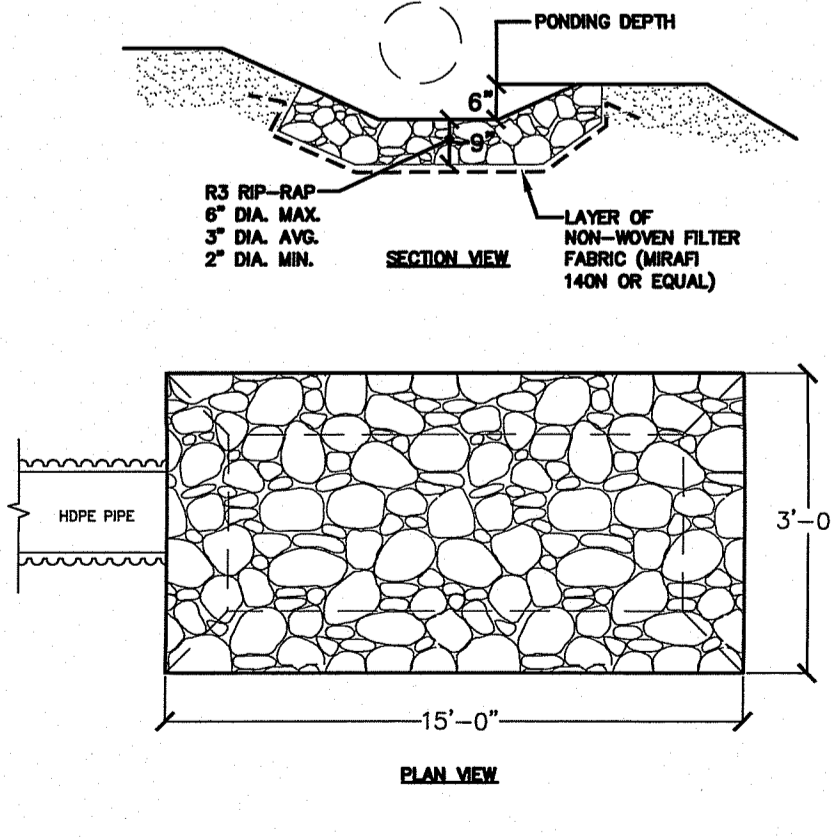
DRIVEWAY CROSS SECTION B-B'
1"=5'-0"



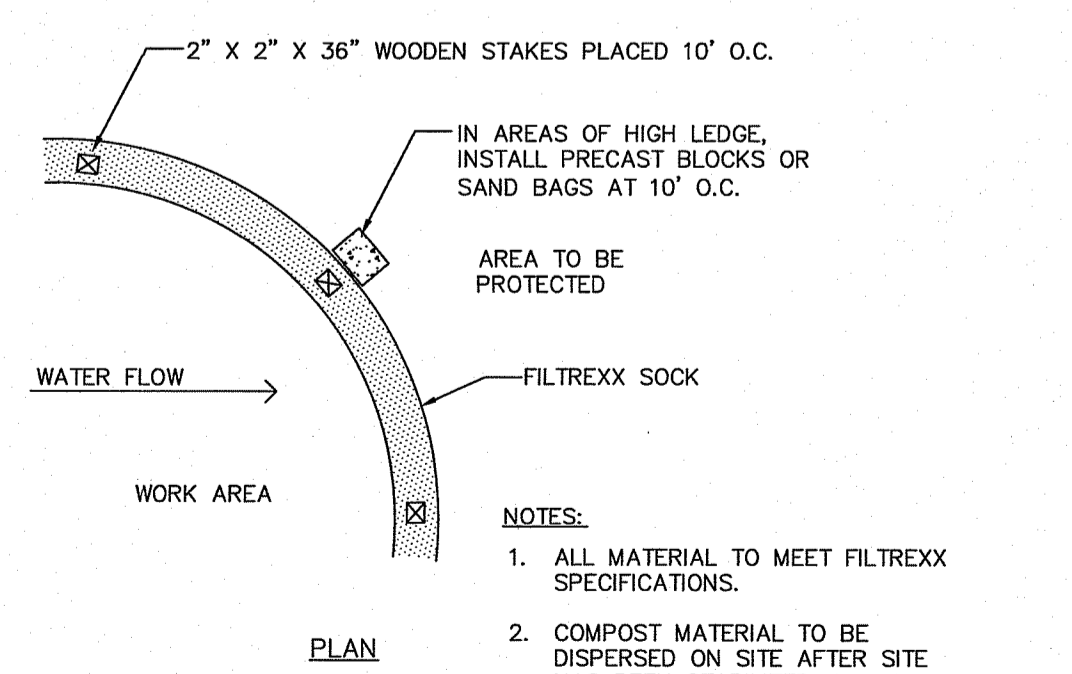
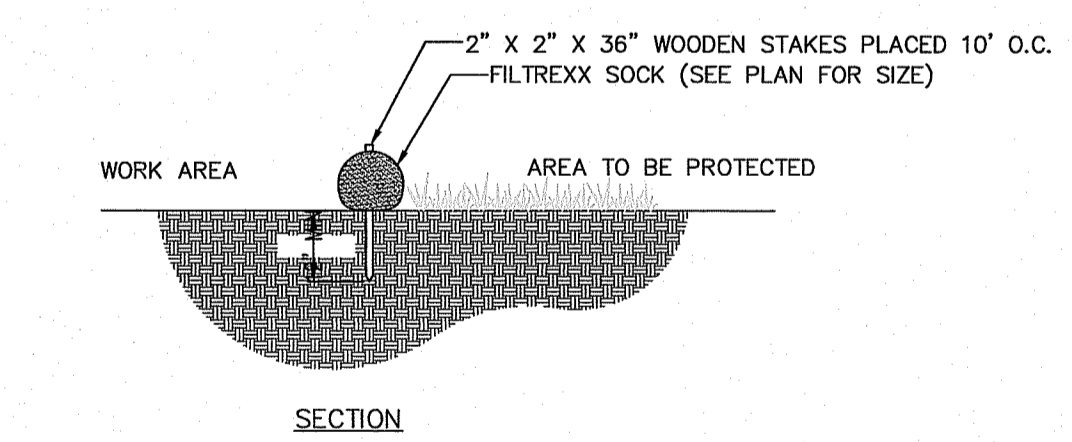
SEGMENTAL BLOCK RETAINING WALL (4' HIGH MAX.)
NOT TO SCALE



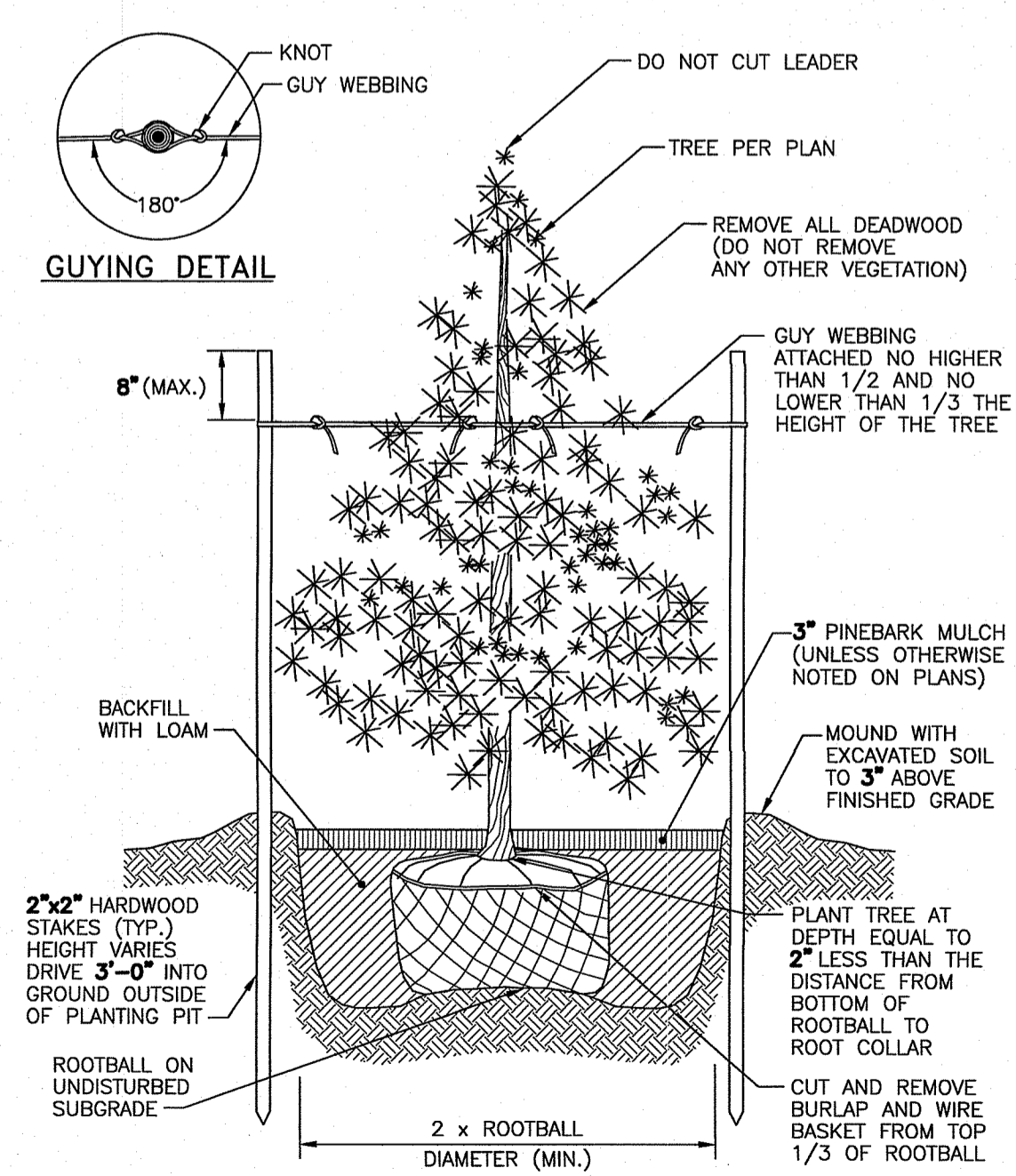
ROOF DRAIN DOWNSPOUT CONNECTION
NOT TO SCALE



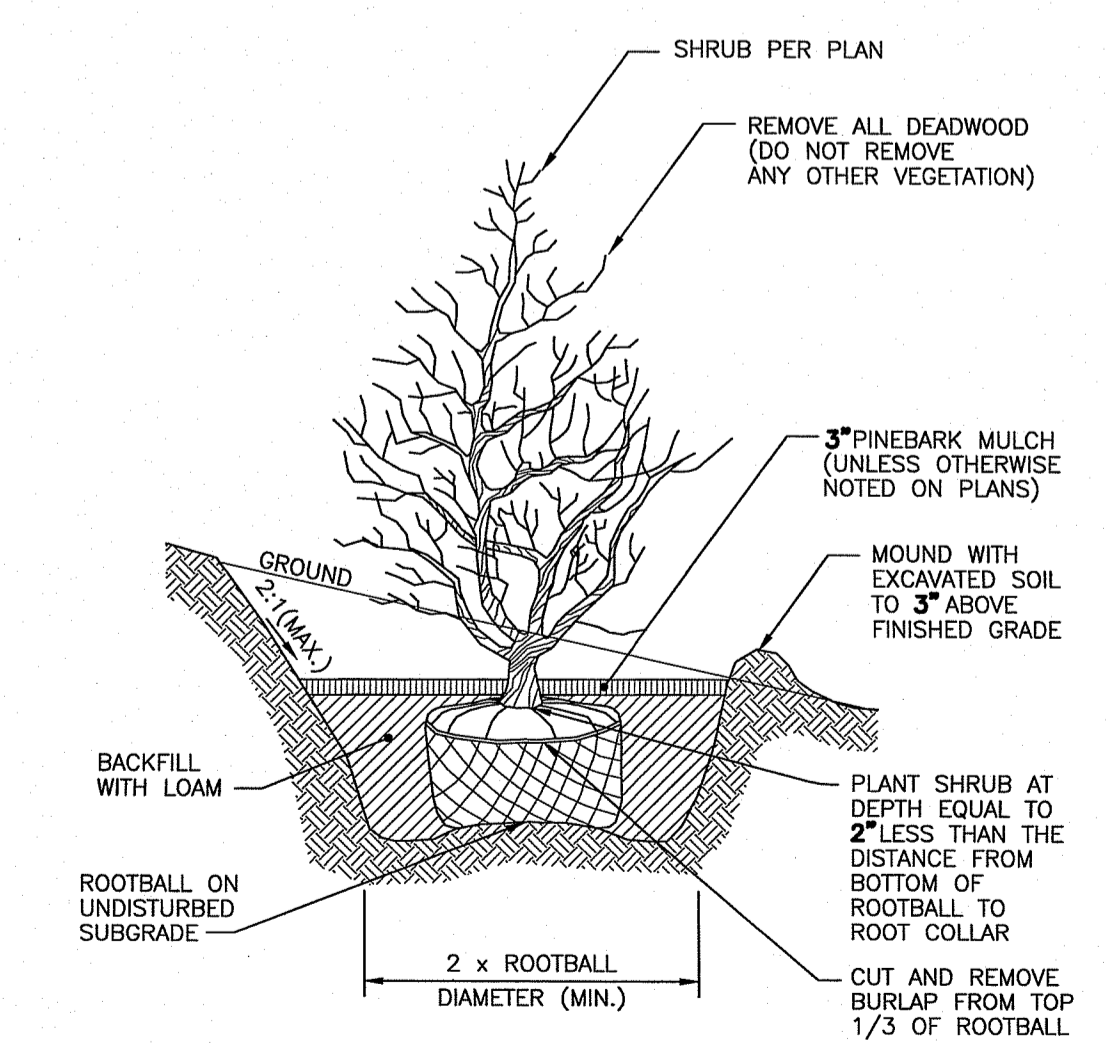
RIP-RAP LEVEL SPREADER DETAIL
NOT TO SCALE



PERIMETER EROSION CONTROL
COMPOST FILTER SOCK, SILT FENCE, OR STRAW WATTLE
NOT TO SCALE



EVERGREEN TREE PLANTING DETAIL
NOT TO SCALE



SHRUB PLANTING DETAIL ON SLOPE
NOT TO SCALE

Soil Erosion & Sediment Control Notes

1. ALL DISTURBED AREAS SHALL BE SEEDED, PROTECTED, AND MAINTAINED BY THE CONTRACTOR. THE CONTRACTOR SHALL CHECK REGULARLY ALL SEEDED AREAS TO SEE THAT A GOOD STAND IS MAINTAINED.
2. THE CONTRACTOR MUST STABILIZE (SEED) ALL AREAS WITHIN 14 DAYS UNLESS ACTIVITY RESUMES WITHIN 21 DAYS.
3. EROSION CONTROLS 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.
4. CONTRACTOR SHALL CLEAN THE ACCUMULATED SEDIMENT IF HALF OF THE ORIGINAL HEIGHT OF THE EROSION CONTROL BECOMES FILLED IN WITH SEDIMENTS.
5. ALL SEDIMENTS SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY BY THE CONTRACTOR.
6. FOLLOW ALL GUIDELINE OF TOWN OF SMITHFIELD SOIL EROSION AND SEDIMENT CONTROL ORDINANCE AND ORDER OF CONDITIONS STIPULATED BY TOWN ENGINEERING DEPARTMENT.

Environmental Management
MAY 0 6 2021
Office of Water Resources

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SCITUATE, RI 02857
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NO.	DATE	REVISION
1	3/19/2021	ADDRESS RIDEM COMMENTS

PROJECT:
Proposed Single-Family Dwelling

A.P. 45 LOT 52
LIMEROCK ROAD
SMITHFIELD, RI

OWNER/APPLICANT:
Julie and Francesco Zabata
21 Timberland Drive
Lincoln, RI 02865

DRAWING TITLE:
DETAILS

DATE: 12/2020
SCALE: as noted
DESIGNED BY: C.S.R.
CHECKED BY: C.S.R.

DRAWING NO.
C-2

CURTIS S. RUOTOLO
3/19/2021
No. 8756
REGISTERED PROFESSIONAL ENGINEER (CIVIL)
SHEET 2 OF 2