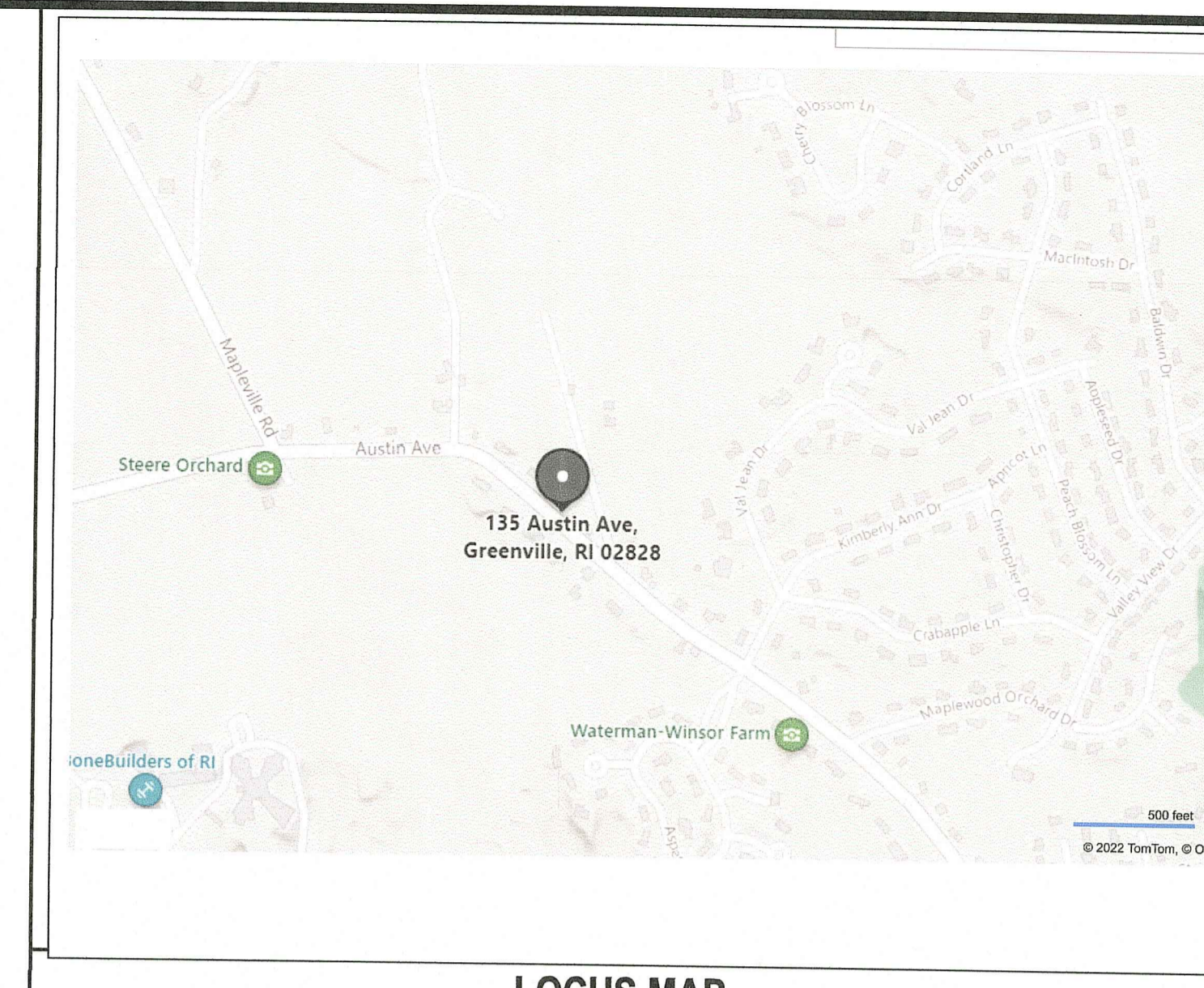


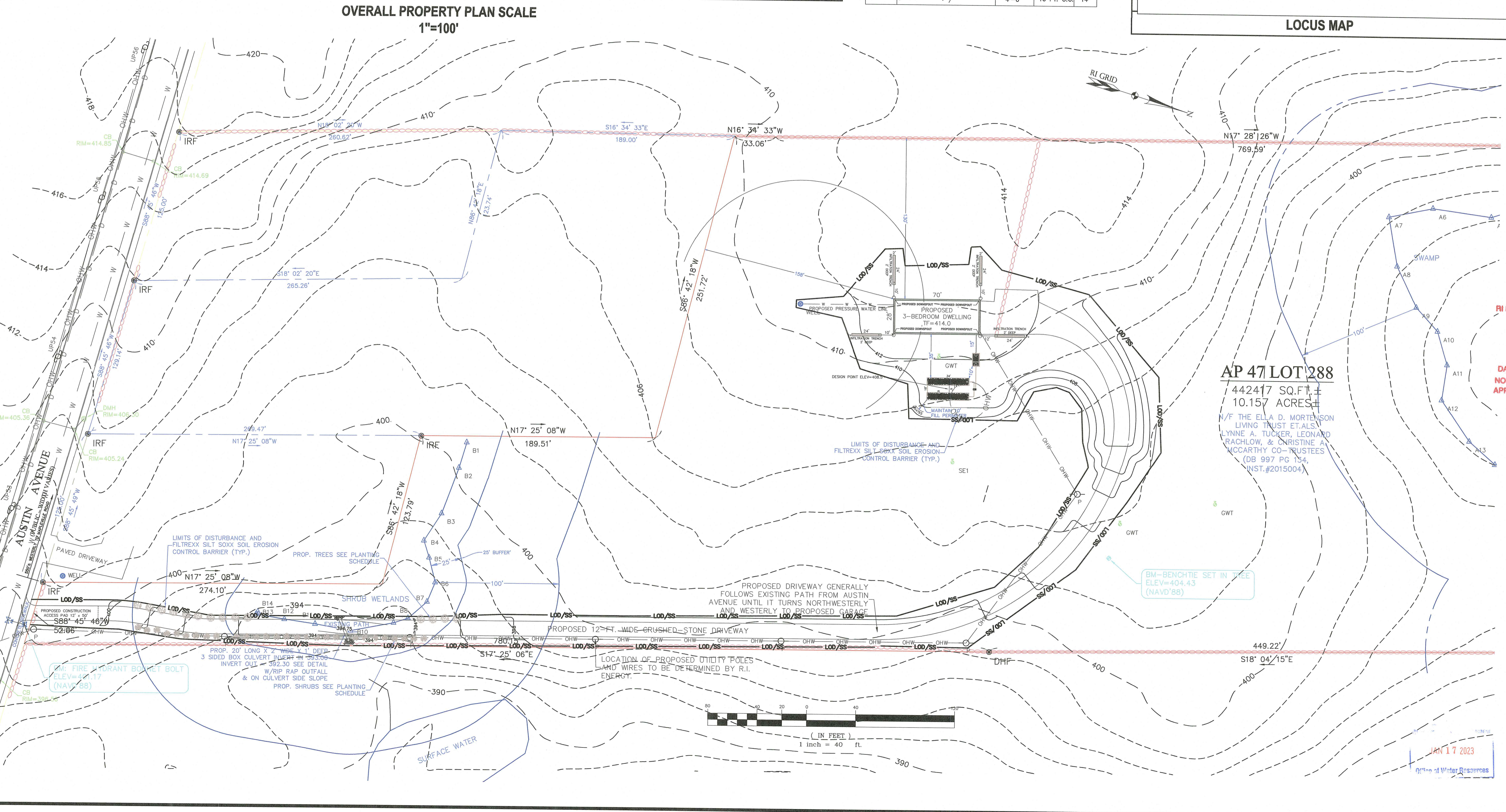
**Planting Schedule**

SYMBOL	NAME	HEIGHT	SPACING	QTY.
(Symbol)	INKBERRY (ILEX GLABRA)	3'-5'	8 FT. O.C.	28
(Symbol)	NORTHERN WHITE CEDAR / OR WHITE PINE (CRIMM OCCIDENTALIS)	4'-6'	10 FT. O.C.	14



- General Notes:**
- PROPERTY LINE, EXISTING CONDITIONS, AND TOPOGRAPHY SHOWN ON THIS PLAN WAS PREPARED BY NATIONAL SURVEYORS & DEVELOPERS, INC. OF WOONSOCKET, RI.
  - WETLANDS WERE FIELD DELINEATED BY NATURAL RESOURCE SERVICES, INC.
  - 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 CONTROLS. 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.
  - TOTAL CONSTRUCTION DISTURBANCE = 49,000 SF

- Legend**
- 400 - EXISTING CONTOUR
  - EXISTING STONESTONE WALL
  - (Symbol) TEST PIT / SOIL EVALUATION
  - 335 - PROPOSED CONTOUR
  - (Symbol) PROPOSED WELL
  - (Symbol) EROSION CONTROL
  - T.F. TOP ELEV. OF FOUNDATION
  - T.SLAB TOP ELEV. OF CONC. SLAB



RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED: FEB 02 2023 FILE # 22-0465  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE  
 Nancy L. Freeman

**Advanced Civil Design, Inc.**  
 CIVIL ENGINEERS  
 88 PEETOAD ROAD  
 SCITUATE, RI 02857  
 PH: (401) 644-8656

NO.	DATE	REVISION
1	1/4/23	PER RIDEM

PROJECT:  
**Proposed Single-Family Dwelling**  
 AP 47 LOT 288  
 135 AUSTIN AVE  
 SCITUATE, RI

OWNER/APPLICANT:  
 STEPHEN LANGFORD

DRAWING TITLE:  
**Proposed Site Plan**

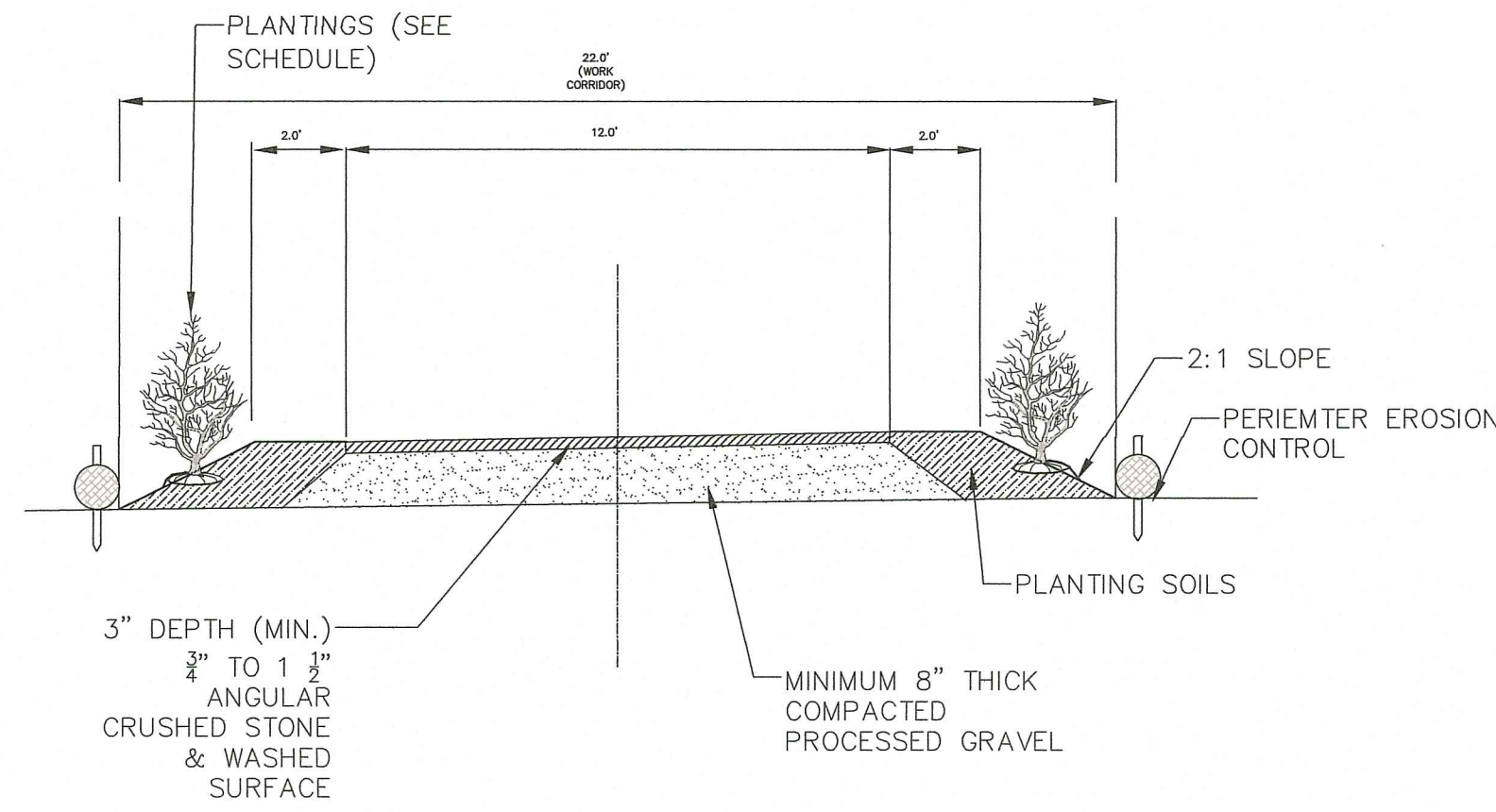
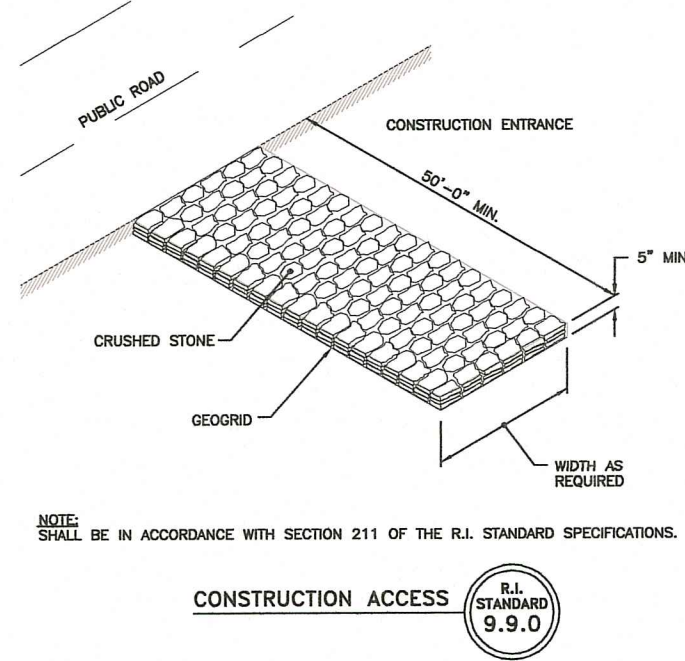
DATE: 8/2022 DESIGNED BY: C.S.R.  
 SCALE: 1"=40' CHECKED BY: C.S.R.

NICHOLAS J. PIAMPIANO  
 No. 6512  
 REGISTERED PROFESSIONAL ENGINEER (CIVIL)

JAN 17 2023  
 Office of Water Resources

**C-1**

SHEET 1 OF 2



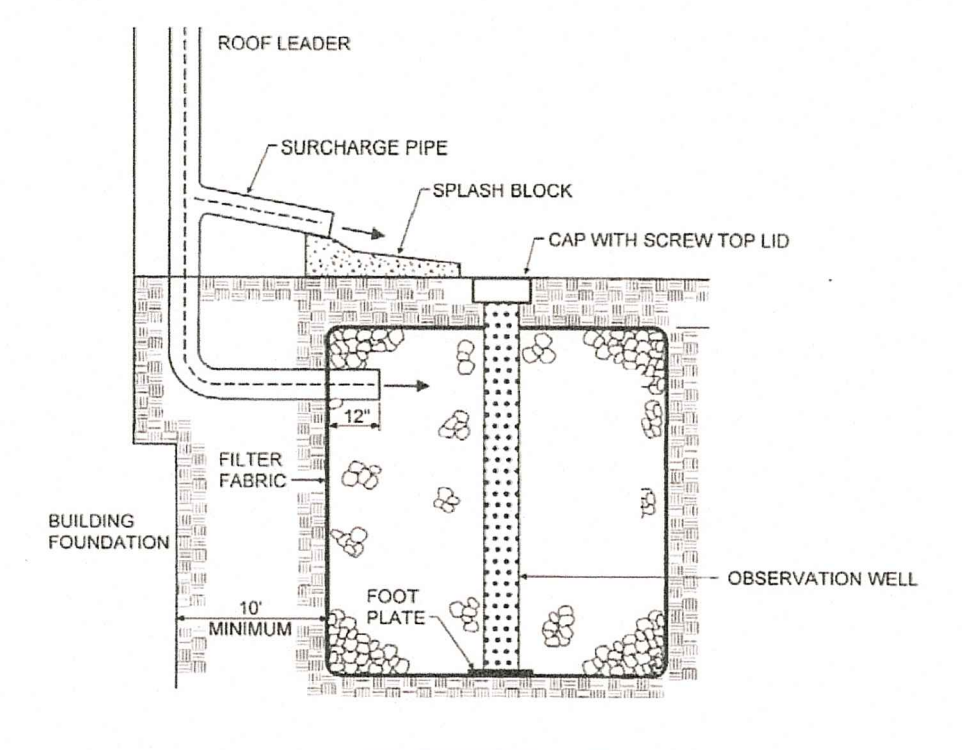
DRIVEWAY CROSS SECTION

1"=5'-0"

Tables 10. and 11. Sizing Guidance for Infiltration Trenches and Dry Wells

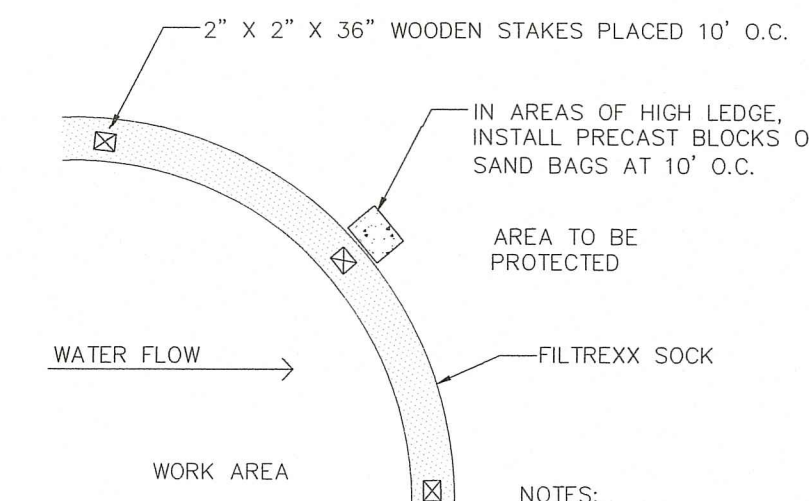
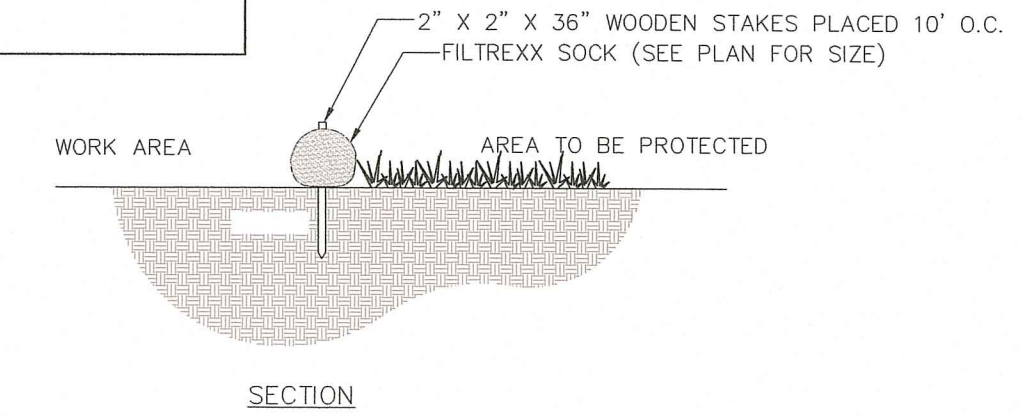
Drainage Area (sq. ft.)	Infiltration Trench / Dry Well Surface Area (square feet) in Sandy Soils (Sands, Loamy Sands and Sandy Loams)						
	6 in. deep	12 in. deep	18 in. deep	24 in. deep	30 in. deep	36 in. deep	48 in. deep
100	24	16	12	10	8	7	5
200	48	32	24	19	16	14	11
300	72	48	36	29	24	21	16
400	96	64	48	39	32	28	21
500	119	80	60	48	40	34	27
600	143	96	72	58	48	41	32
700	167	112	84	67	56	48	38
800	191	128	96	77	64	55	43
900	215	144	108	87	72	62	48
1000	239	160	120	96	80	69	54

Figure 7. Dry Well, Typical Cross-Section



DRYWELL SIZING:

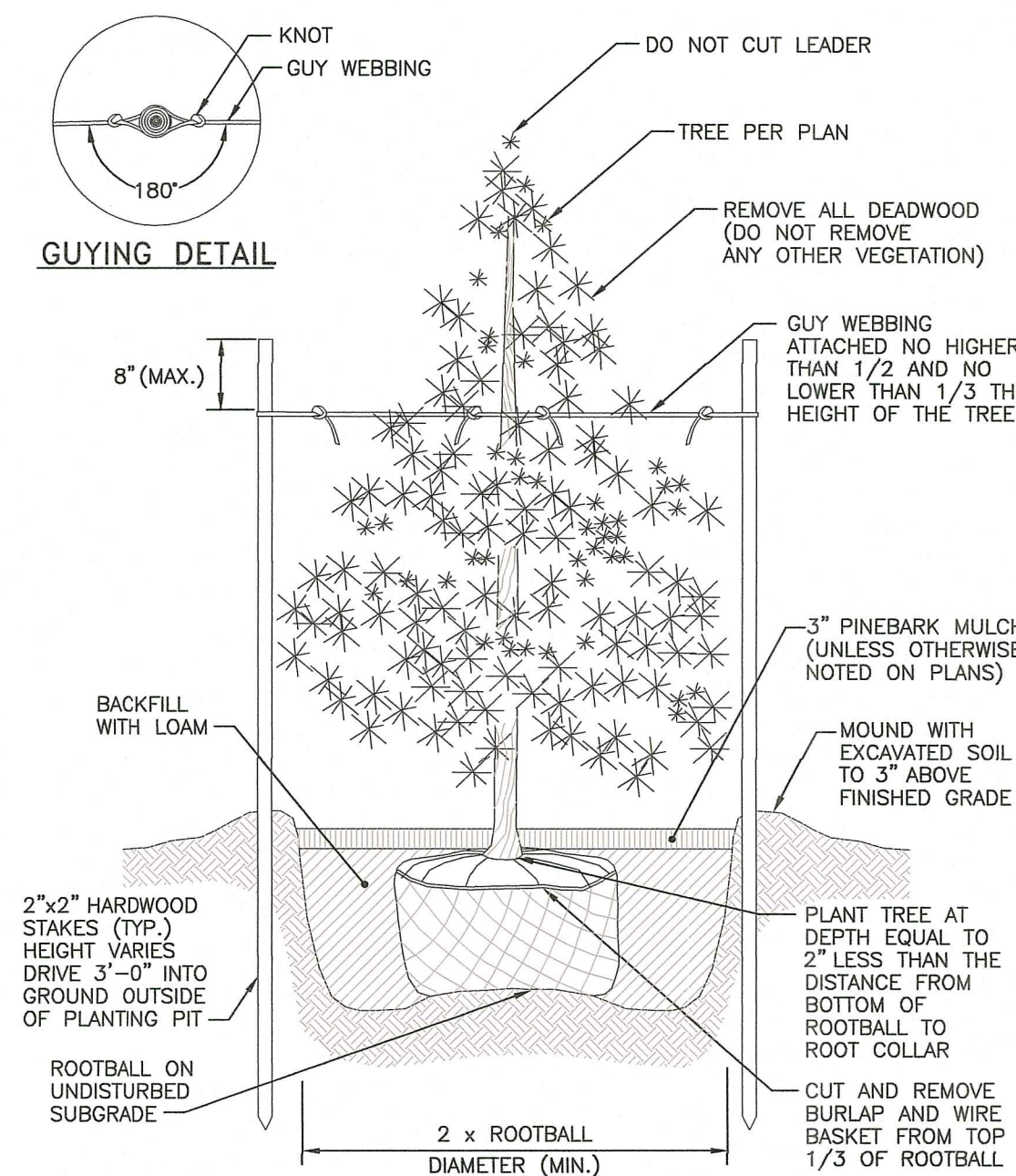
IMPERVIOUS AREA  
490 S.F. ROOFTOP TO EACH DRYWELL  
SIZE PER RIDEM GUIDANCE MANUAL  
48 S.F. BOTTOM AREA EACH  
USE 2' DEEP X 2' WIDE X 24' LONG DRYWELLS



NOTES:  
1. ALL MATERIAL TO MEET FILTERREX SPECIFICATIONS.  
2. COMPOST MATERIAL TO BE DISPERSED ON SITE AFTER SITE HAS BEEN STABILIZED

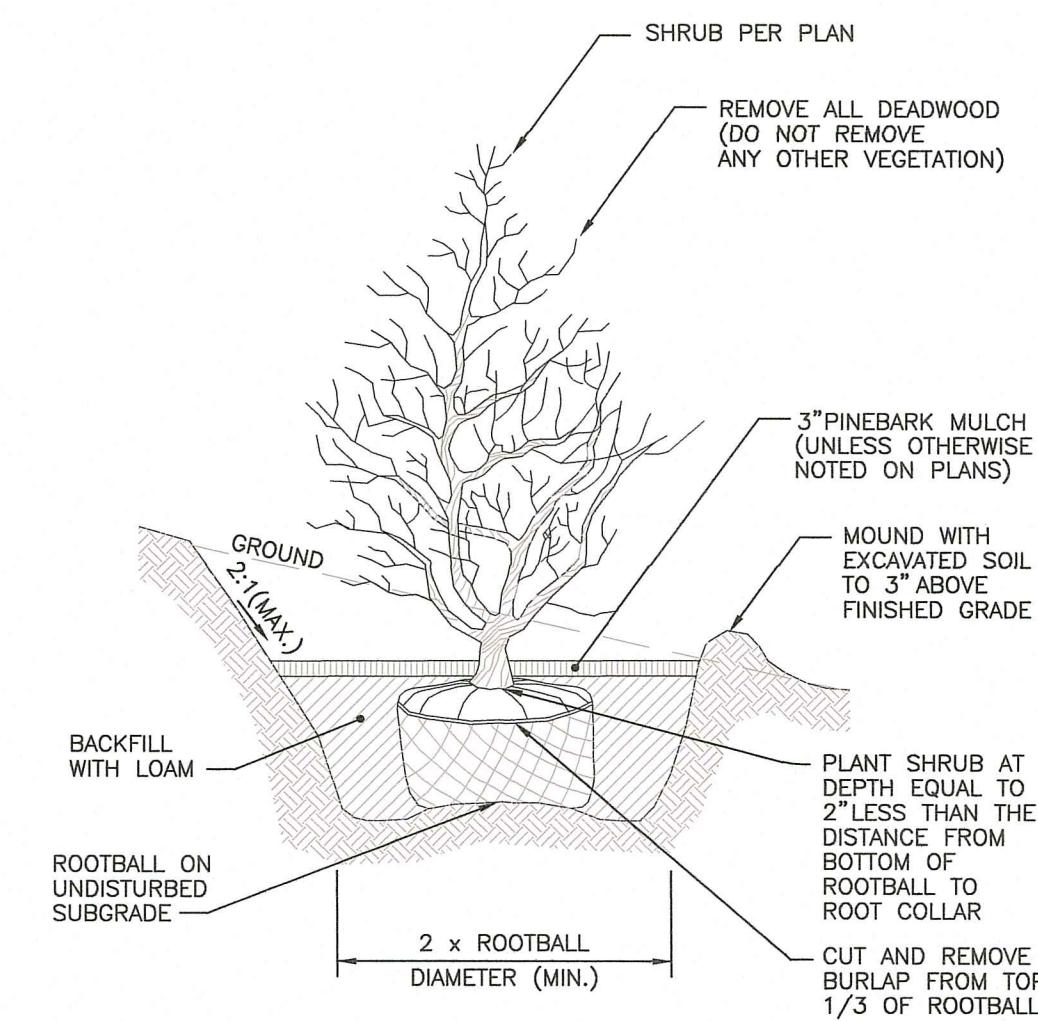
PERIMETER EROSION CONTROL

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

STORMWATER MANAGEMENT LID NOTES:

- CONSTRUCTION OF INFILTRATION TRENCHES TO COMPLY WITH "STATE OF RHODE ISLAND STORMWATER MANAGEMENT GUIDANCE FOR INDIVIDUAL SINGLE-FAMILY RESIDENTIAL LOT DEVELOPMENT" DOCUMENT.
- INFILTRATION TRENCHES/DRYWELLS:
  - THE BOTTOM OF THE STONE RESERVOIR SHOULD BE COMPLETELY FLAT OR NEARLY SO IN ORDER THAT INFILTRATED RUNOFF WILL BE ABLE TO INFILTRATE THROUGH THE ENTIRE BOTTOM SURFACE AREA.
  - CONSTRUCT INFILTRATION TRENCHES USING 3/4" TO 1-1/2 INCH DIAMETER, WASHED, ANGULAR CRUSHED STONE, INSTALLED TO A MINIMUM WIDTH AND DEPTH AS NOTED ON PLAN AND LID CALCULATION NOTE 2 ABOVE.
  - FILTER FABRIC SHOULD BE INSTALLED AROUND INFILTRATION TRENCHES.
  - THE BOTTOM OF INFILTRATION PRACTICES MUST BE SEPARATED BY AT LEAST TWO FEET VERTICALLY FROM THE SEASONAL HIGH GROUNDWATER TABLE (SHOWN).
  - THE BOTTOM OF INFILTRATION PRACTICES MUST BE LOCATED IN THE SOIL PROFILE.
  - GREAT CARE MUST BE TAKEN TO PREVENT THE INFILTRATION AREA FROM COMPACTION BY MARKING OFF THE LOCATION BEFORE THE START OF CONSTRUCTION AT THE SITE AND CONSTRUCTING THE INFILTRATION PRACTICE LAST.
  - AN OBSERVATION WELL SHALL BE INSTALLED IN EVERY INFILTRATION TRENCH OR DRY WELL, CONSISTING OF AN ANCHORED 4- TO 6-INCH DIAMETER PERFORATED PVC PIPE WITH A SCREW-TOP CAP INSTALLED FLUSH WITH THE GROUND SURFACE.
  - INFILTRATION PRACTICES SHALL BE INSPECTED ANNUALLY AND REPAIRED IF NECESSARY TO ENSURE PROPER DRAINAGE.
  - ACCUMULATED SEDIMENT AND DEBRIS SHALL BE REMOVED FROM THE SURFACE OF THE INFILTRATION PRACTICE ANNUALLY.
  - INFILTRATION TRENCHES MUST BE LOCATED A MINIMUM OF 10' FROM BUILDING STRUCTURES, WHETHER UP-GRADE OR DOWN-GRADE OR SAND BUILDING STRUCTURE.
  - INFILTRATION TRENCHES MUST BE LOCATED A MINIMUM OF 15' FROM ON-SITE WASTEWATER TREATMENT SYSTEMS (OWTS), 50' FROM PRIVATE DRINKING WATER WELLS AND OTHER SETBACKS AS DESIGNATED IN THE OWTS AND STORMWATER REGULATIONS.
- PERMEABLE CRUSHED STONE DRIVEWAY:
  - CONSTRUCT PERMEABLE DRIVEWAY USING 3/4" TO 1-1/2 INCH DIAMETER, WASHED, ANGULAR CRUSHED STONE, INSTALLED TO A MINIMUM DEPTH OF 3 INCHES.
  - THE GRADE OF THE FINISHED DRIVEWAY SHALL NOT BE HIGHER THAN THE ADJACENT GROUND ELEVATION.
  - CRUSHED STONE SHALL BE REPLACED OR RE-GRADED PERFORMED AS NECESSARY IN CRUSHED STONE DRIVEWAYS TO MAINTAIN A MINIMUM 3" DEPTH OF STONE AND A LEVEL SURFACE.

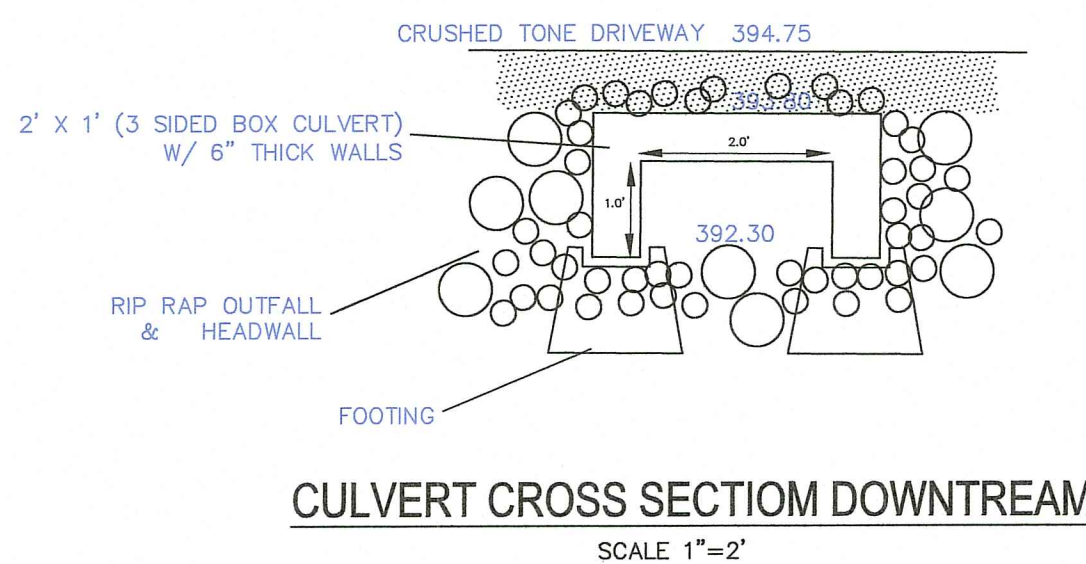
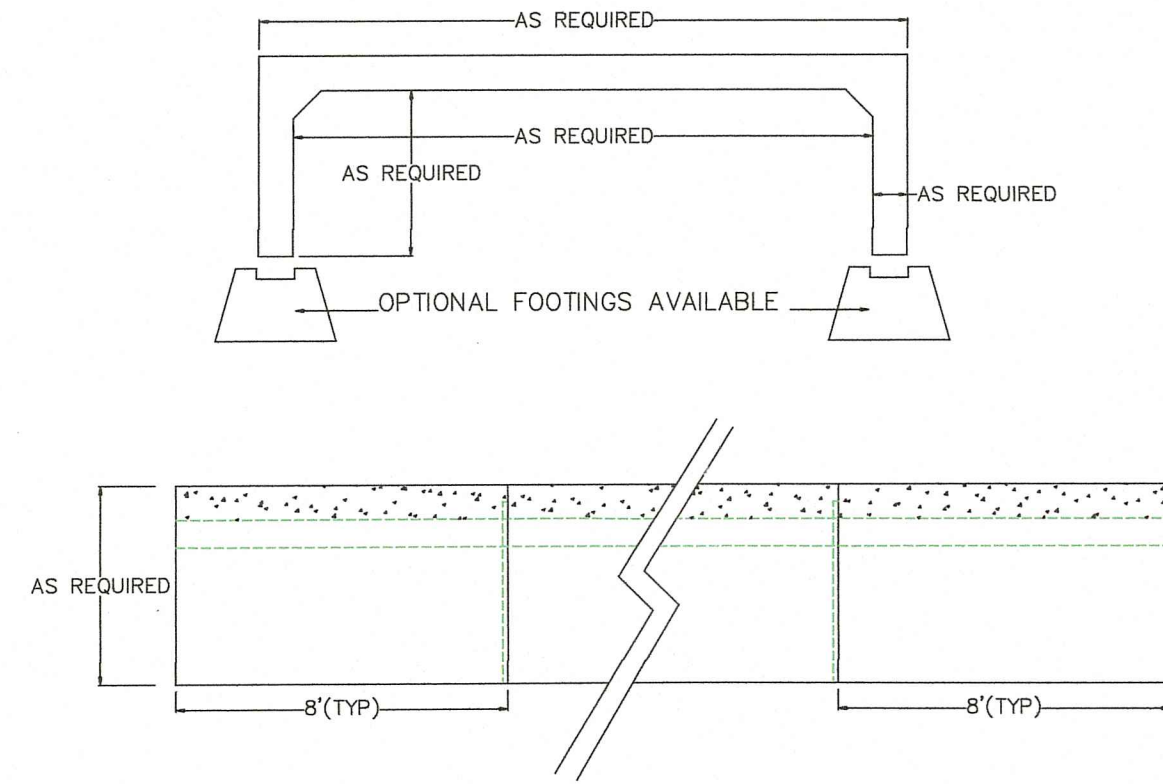
WWW.SCITUATECOMPANIES.COM



SCITUATE COMPANIES  
120 CLAY PIT ROAD  
MARSHFIELD, MA 02050  
PHONE # 1-800-440-0009  
FAX # 781-837-4320

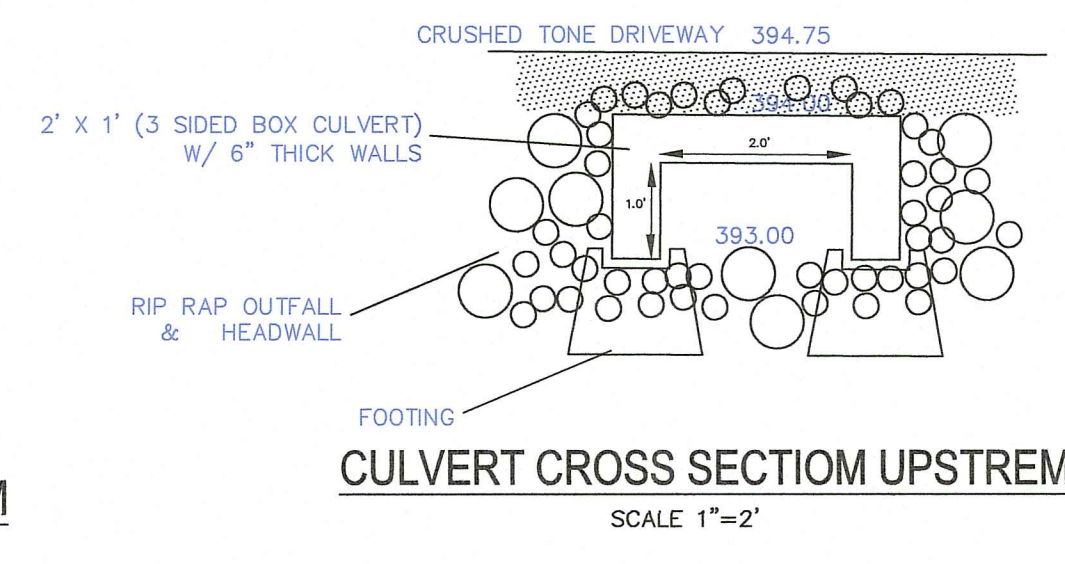
CONTRACTOR: \_\_\_\_\_ JOB NAME: \_\_\_\_\_  
DATE: \_\_\_\_\_ APPROVED BY: \_\_\_\_\_ DRAWING BY: C. J. SCOTT  
OPEN BOTTOM BOX CULVERT

- DESIGN NOTES:  
1. CONCRETE 5,000 PSI @ 28 DAYS  
2. REINFORCEMENT PER ENGINEERS CALCULATIONS  
3. DESIGNED FOR H-20 LOADING



CULVERT CROSS SECTION DOWNSTREAM

SCALE 1"=2'



CULVERT CROSS SECTION UPSTREAM

SCALE 1"=2'

Soil Erosion & Sediment Control Notes

- 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.
- THE CONTRACTOR MUST STABILIZE (SEED) ALL AREAS WITHIN 14 DAYS UNLESS ACTIVITY RESUMES WITHIN 21 DAYS.
- 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.
- CONTRACTOR SHALL CLEAN THE ACCUMULATED SEDIMENT IF HALF OF THE ORIGINAL HEIGHT OF THE EROSION CONTROL BECOMES FILLED IN WITH SEDIMENTS.
- ALL SEDIMENTS SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY BY THE CONTRACTOR.
- FOLLOW ALL GUIDELINE OF TOWN OF FOSTER SOIL EROSION AND SEDIMENT CONTROL ORDINANCE AND ORDER OF CONDITIONS STIPULATED BY TOWN ENGINEERING DEPARTMENT.

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM

APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL

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Nicholas J. Piampiano

Advanced Civil Design, Inc.

CIVIL ENGINEERS  
88 PEEPTOAD ROAD  
SCITUATE, RI 02857  
PH: (401) 473-4404



1	1/9/23	PER RIDEM
NO.	DATE	REVISION

PROJECT:  
Proposed Single-Family Dwelling

A.P. 47 LOT 288  
135 AUSTIN AVE  
SMITHFIELD, RI

OWNER/APPLICANT:  
STEPHEN LANGFORD

DRAWING TITLE:

DETAILS

DATE: 8/2022	DESIGNED BY: C.S.R.
SCALE: as noted	CHECKED BY: C.S.R.

NICHOLAS J. PIAMPIANO  
No. 6512  
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

C-2

SHEET 2 OF 2