

LEGEND & SYMBOLS

- 400 --- EXISTING CONTOUR
- TEST HOLE
- 400 --- PROPOSED CONTOUR
- T.FND TOP OF FOUNDATION
- T.SLAB TOP OF SLAB ELEV.
- PERIMETER EROSION CONTROL

SOIL EROSION & SEDIMENT CONTROL NOTE:
 THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT EROSION CONTROLS SHOWN ON THIS PLAN ARE MINIMUM REQUIRED BASED ON THE FINAL GRADING CONDITIONS. DURING CONSTRUCTION ADDITIONAL CONTROLS MAY BE REQUIRED DUE TO TEMPORARY GRADINGS, EXCESSIVE RAIN EVENTS, AND/OR GRADING CONDITIONS ON ADJACENT LOTS THAT DO NOT MATCH THE SUBDIVISION PLAN.

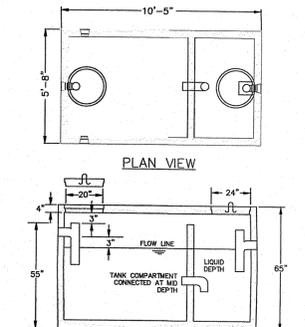
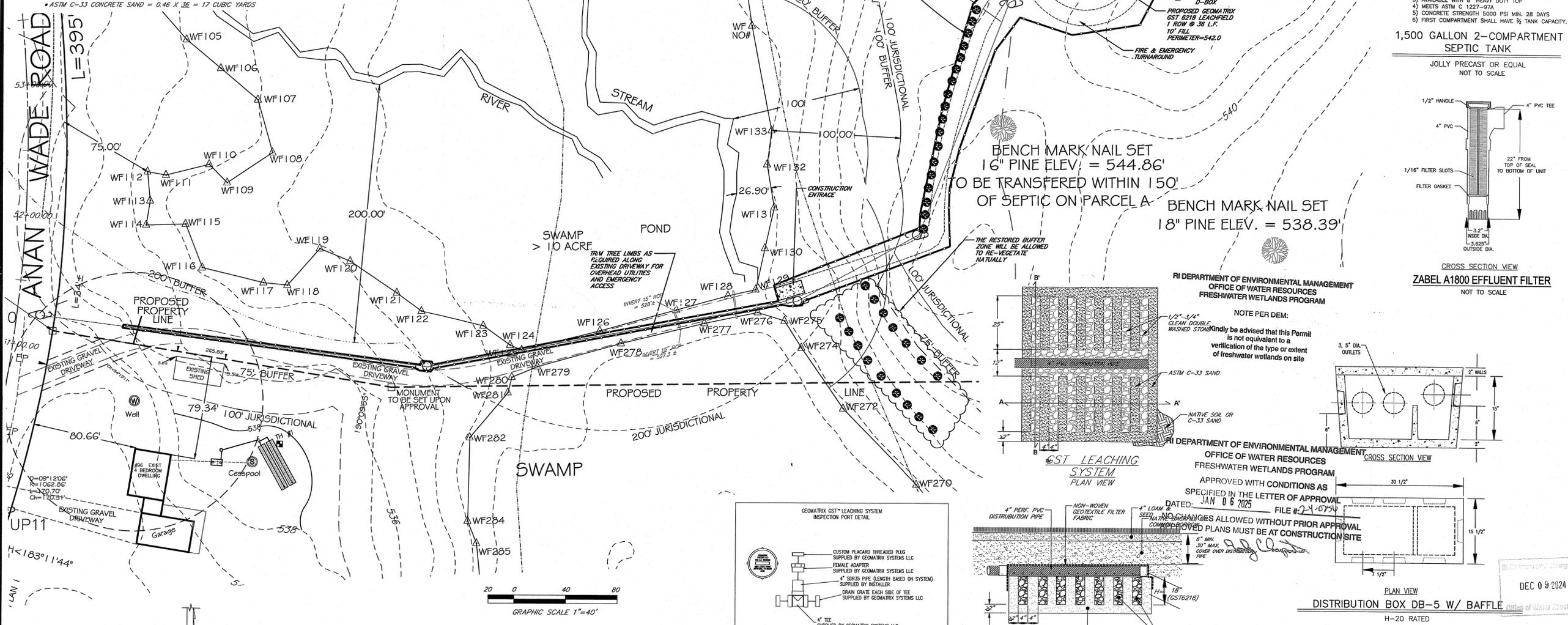
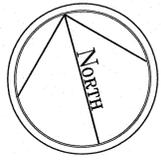
General Notes

1. CONTRACTOR SHALL NOTIFY DIG-SAFE 72 HOURS PRIOR TO START OF CONSTRUCTION.
2. PROPER EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO EARTH DISTURBING ACTIVITIES.
3. THE OWNER/DEVELOPER SHALL BE RESPONSIBLE TO COORDINATE AND OBTAIN ALL PERMITS FOR CONSTRUCTION.

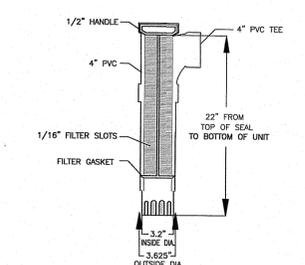
LEACHFIELD DESIGN CALCULATION

- 4 BEDROOMS X 115 GALLONS PER BEDR./DAY = 460 GALLONS PER DAY
- DESIGN LOADING RATE = 0.61 GAL./S.F./DAY
- 460 GPD / 0.61 GAL./S.F./DAY = 754 S.F. LEACHING AREA REQUIRED
- DESIGN GEOMATRIX GST 6218 LEACHFIELD
- 754 S.F. / 24.8 S.F. PER L.F. OF GST 6218 = 30.4 LF REQUIRED
 36 LF PROVIDED
- 36 x 24.8 S.F. PER L.F. = 893 S.F. LEACHING AREA PROVIDED
- MATERIAL QUANTITIES:**
- 3/4" STONE = 0.35 X 36 = 13 CUBIC YARDS
- ASTM C-33 CONCRETE SAND = 0.46 X 36 = 17 CUBIC YARDS

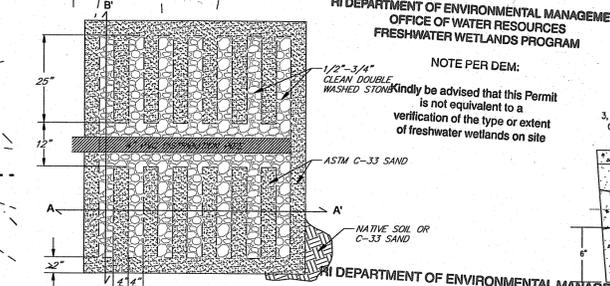
NORTH ARROW
(ASSUMED)



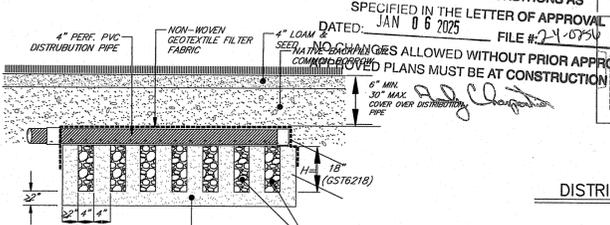
1,500 GALLON 2-COMPARTMENT SEPTIC TANK
 JOLLY PRECAST OR EQUAL
 NOT TO SCALE



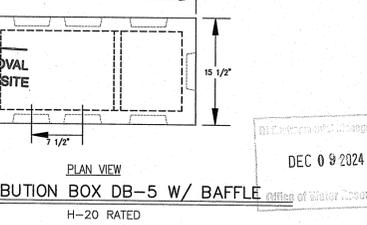
ZABEL A1800 EFFLUENT FILTER
 NOT TO SCALE



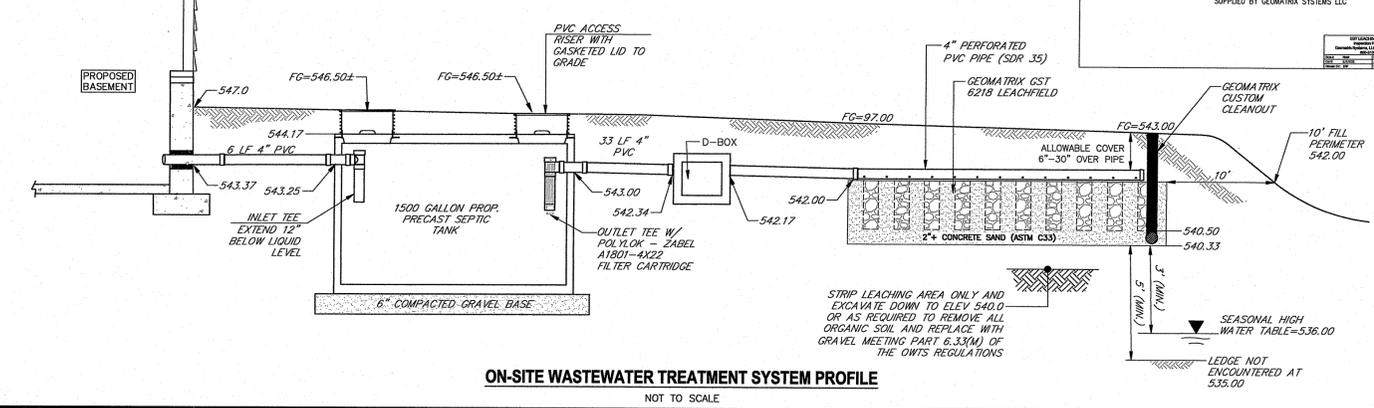
GEOTEXTILE LEACHING SYSTEM PLAN VIEW



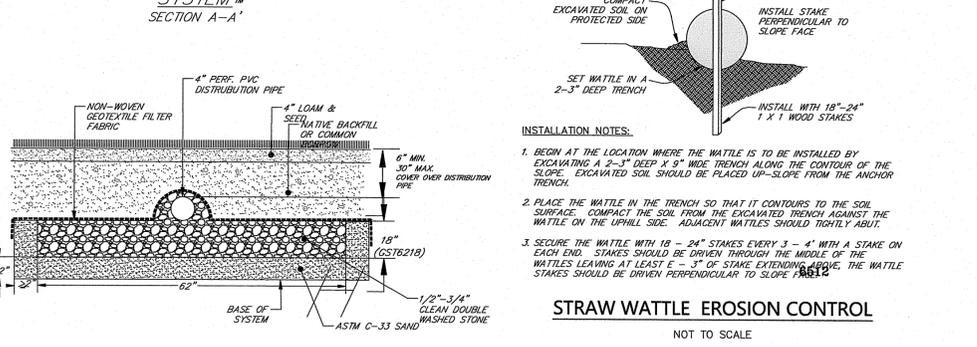
GEOTEXTILE LEACHING SYSTEM SECTION A-A'



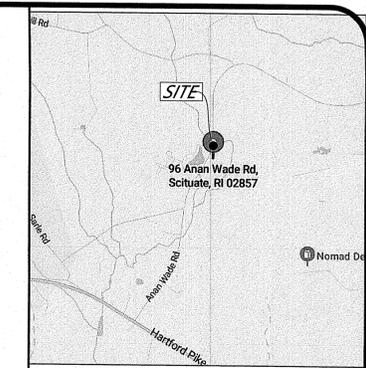
DISTRIBUTION BOX DB-5 W/ BAFFLE
 H-20 RATED
 NOT TO SCALE



ON-SITE WASTEWATER TREATMENT SYSTEM PROFILE
 NOT TO SCALE



STRAW WATTLE EROSION CONTROL
 NOT TO SCALE



Locus Map
 NOT TO SCALE

OnSite Wastewater Treatment System Notes

1. 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, EFFECTIVE NOVEMBER 25, 2018 AND ALL AMENDMENTS, BY THE RHODE ISLAND DEPT. OF ENVIRONMENTAL MANAGEMENT.
2. STRIP LEACHING AREA OUT 0 FEET AROUND PERIMETER AND EXCAVATE DOWN TO ELEVATION 540.0 (OR AS REQUIRED UPON INSPECTIONS) AND REPLACE WITH GRAVEL AS SPECIFIED IN RIDEM REGULATIONS IF BELOW SYSTEM BOTTOM.
3. INSTALLER MUST ASSURE THAT BOTTOM AND SIDES OF EXCAVATION FOR THE LEACHFIELD ARE NOT COMPACTED OR SMOURED.
4. ALL TREES, STUMPS, AND BRUSH SHALL BE REMOVED WITHIN 10 FEET OF THE SYSTEM.
5. MAINTAIN INVERT ELEVATION OF 542.00 FOR 10 FEET AROUND SYSTEM.
6. 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.
7. THERE ARE NO KNOWN SUBSURFACE DRAINS, EXISTING OR PROPOSED, WITHIN 50 FEET OF THE PROPOSED OWTS.
8. ALL PVC PIPE SHALL BE 4" DIA. SDR 35 OR EQUIVALENT, UNLESS NOTED OTHERWISE.
9. 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.
10. THE DISTRIBUTION BOX SHALL HAVE A MINIMUM BOTTOM AREA OF 3 SQUARE FEET.
11. NO VEHICULAR TRAFFIC IS ALLOWED OVER THE LEACHFIELD.
12. THE INSTALLER SHALL CONTACT THE DESIGN OF RECORD AT LEAST 24 HOURS PRIOR TO START OF CONSTRUCTION.
13. THE SITE IS LOCATED IN THE SCITUATE RESERVOIR WATERSHED.
14. THIS LOT IS PART OF A SUBDIVISION NO VARIANCE ARE REQUIRED FOR EITHER LOT.

Advanced Civil Design, Inc.
 CIVIL ENGINEERS
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 PH: (401) 473-4404

NO.	DATE	REVISION
2	12/4/24	PER RIDEM
1	10/4/24	PER RIDEM

PROJECT: **Single-Family Residence**

A.P. 9 LOT 30 PARCEL B
 96 ANAN WADE ROAD
 GLOUCESTER, RI

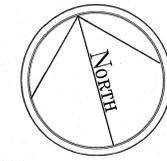
OWNER/APPLICANT:
DOUGLAS PECKHAM
 96 ANAN WADE ROAD
 SCITUATE, RI 02857

DRAWING TITLE:
ON-SITE WASTEWATER TREATMENT SYSTEM (OWTS) PLAN & DETAILS

DATE: JULY 2024
 SCALE: 1"=40'
 DESIGNED BY: N.J.P.
 CHECKED BY: C.S.R.

NICHOLAS J. PIAMPANO
 REGISTERED PROFESSIONAL ENGINEER (CIVIL)
 No. [Stamp]
 DRAWING NO. **C-1**

NORTH ARROW
(ASSUMED)



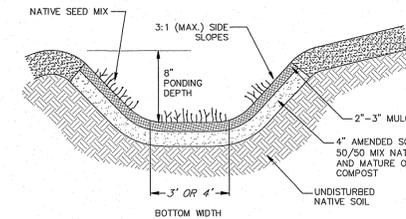
STORMWATER OPERATION & MAINTENANCE

1. THE HOMEOWNER WILL HAVE THE RESPONSIBILITY TO MAINTAIN THE FUNCTIONALITY OF GRASS AND DRAINAGE MEASURES SHOWN ON THIS PLAN.
2. VEGETATED SWALES SHALL BE INSPECTED ANNUALLY AND SHOULD BE INSPECTED AFTER LARGE STORM EVENTS.
3. SWALE ERODED SIDE SLOPES AND CHANNEL BOTTOMS SHALL BE STABILIZED AS NECESSARY.
4. IF THE SURFACE OF THE SWALE BECOMES CLOGGED TO THE POINT THAT STANDING WATER IS OBSERVED ON THE SURFACE 48 HOURS AFTER PRECIPITATION EVENTS, THE BOTTOM SHALL BE ROTI-CILLED OR CULTURED TO BREAK UP ANY HARD-PACKED SEDIMENT, AND THEN RESEDED.
5. VEGETATION IN DRY SWALES SHALL BE MOVED AS REQUIRED TO MAINTAIN MINIMUM GRASS HEIGHTS IN THE 4-6 INCH RANGE.
6. EVERY FIVE YEARS, THE CHANNEL BOTTOM OF DRY SWALES SHOULD BE SCARRED TO REMOVE SEDIMENT AND TO RESTORE ORIGINAL CROSS SECTION AND INFILTRATION RATE, AND SHOULD BE SEEDDED TO RESTORE GROUND COVER, WHERE NECESSARY.

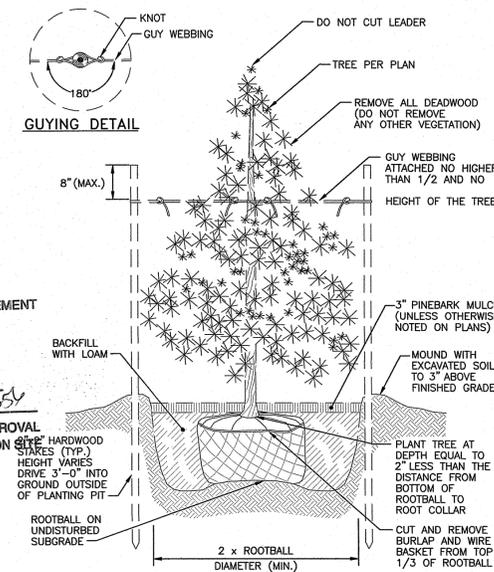
VEGETATED SWALE SIZING:

MEFERVIOUS AREA	SIZE PER RIDEM GUIDANCE MANUAL (SILTY SOILS)
1,108 S.F. ROOFTOP	88.64 S.F. REQUIRED (BOTTOM AREA) FOR 8" PONDING DEPTH
1,108 S.F. ROOFTOP	88.64 S.F. REQUIRED (BOTTOM AREA) FOR 8" PONDING DEPTH

SIZING OPTIONS FOR SWALE #1 & #2:
 (#1) 5'-0" BOTTOM WIDTH, LENGTH = 19'-0"
 (#2) 5'-0" BOTTOM WIDTH, LENGTH = 19'-0"



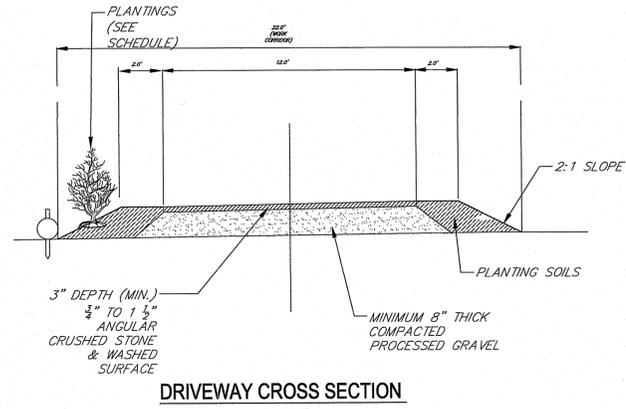
VEGETATED SWALE
NOT TO SCALE



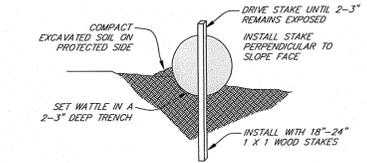
EVERGREEN TREE PLANTING DETAIL
NOT TO SCALE

Planting Schedule

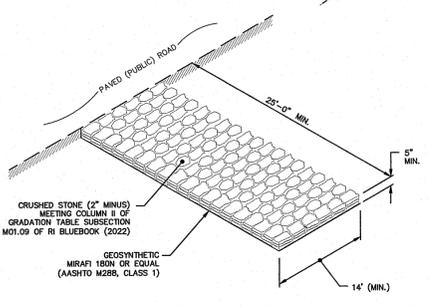
SYMBOL	NAME	HEIGHT	SPACING	QTY.
22	NORTHERN WHITE CEDAR (THUJA OCCIDENTALIS) OR WHITE PINE	4'-6"	10 FT. O.C.	18



DRIVEWAY CROSS SECTION
1"=5'-0"



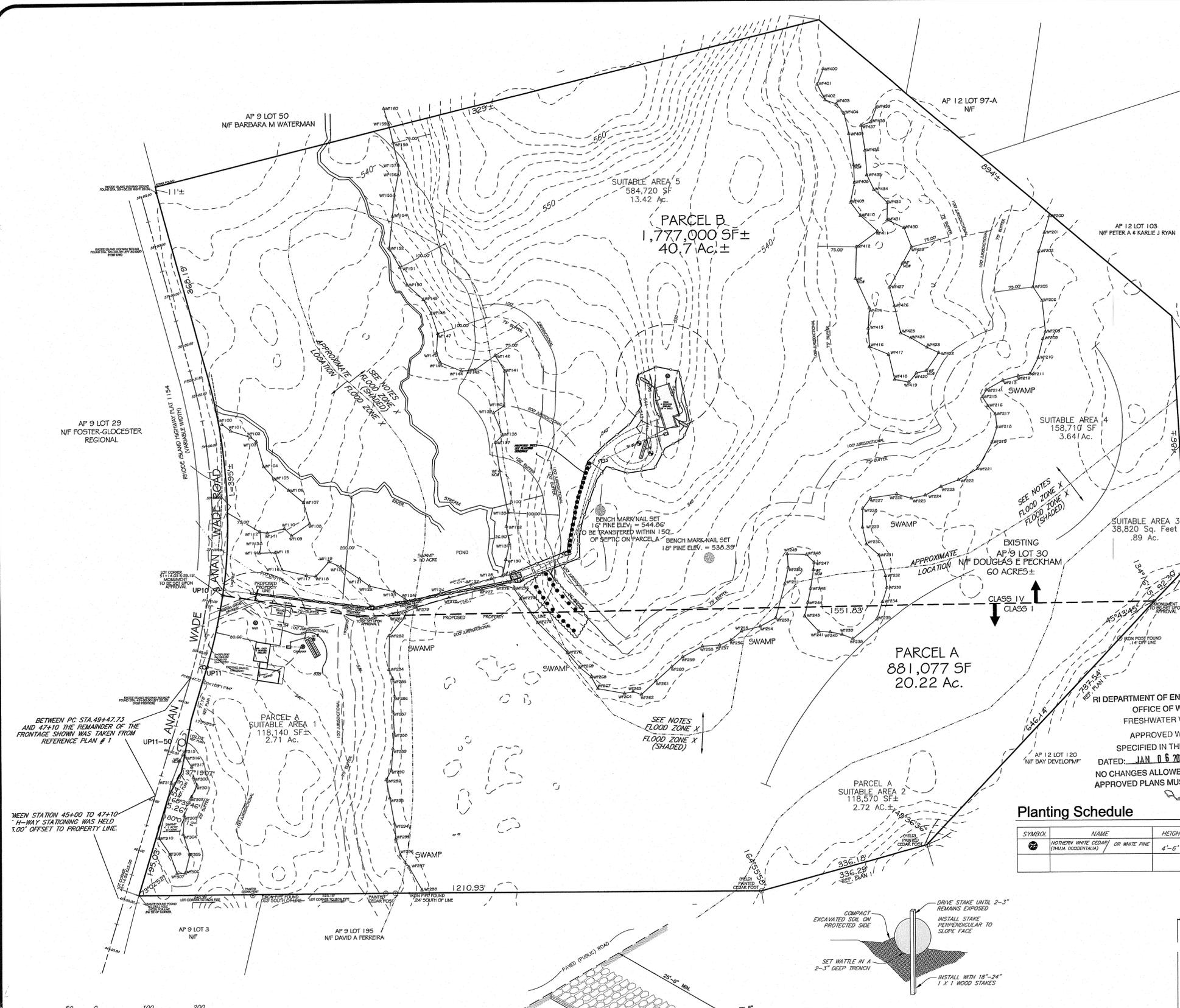
Straw Wattle Detail
NOT TO SCALE



Stone Construction Entrance
NOT TO SCALE

INSTALLATION NOTES:

1. BEGIN AT THE LOCATION WHERE THE WATTLE IS TO BE INSTALLED BY EXCAVATING A 2-3" DEEP 4" WIDE TRENCH ALONG THE CONTOUR OF THE SLOPE. EXCAVATED SOIL SHOULD BE PLACED UP-SLOPE FROM THE ANCHOR TRENCH.
2. PLACE THE WATTLE IN THE TRENCH SO THAT IT CONTOURS TO THE SOIL SURFACE. COMPACT THE SOIL FROM THE EXCAVATED TRENCH AGAINST THE WATTLE ON THE UPHILL SIDE. ADJACENT WATTLES SHOULD TIGHTLY ABUT.
3. SECURE THE WATTLE WITH 18 - 24" STAKES EVERY 3 - 4' WITH A STAKE ON EACH END. STAKES SHOULD BE DRIVEN THROUGH THE MIDDLE OF THE WATTLES LEAVING AT LEAST 1 - 2" OF STAKE EXTENDING ABOVE. THE WATTLE STAKES SHOULD BE DRIVEN PERPENDICULAR TO SLOPE FACE.



BASE FLOOD NOTE:
 1. PORTIONS OF THIS PARCEL LIE WITHIN ZONE X AND ZONE X SHADED FOUND ON FLOOD INSURANCE RATE MAP COMMUNITY-PANEL NUMBER 44007C02556
 ZONE X (SHADED) = AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE
 PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD.
 ZONE X = AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN, MAP REVISED: MARCH 2, 2009

TEMPORARY STORMWATER AND SOIL EROSION CONTROL DURING CONSTRUCTION NOTE:
 THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT EROSION CONTROLS SHOWN ON THIS PLAN ARE MINIMUM REQUIRED BASED ON THE FINAL GRADING CONDITIONS. DURING CONSTRUCTION ADDITIONAL CONTROLS MAY BE REQUIRED DUE TO TEMPORARY GRADING, EXCESSIVE RAIN EVENTS, AND OTHER UNKNOWN CONDITIONS THAT MAY BE ENCOUNTERED. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT WETLANDS AND BUFFERS TO REMAIN ARE PROTECTED AT ALL TIMES FROM SEDIMENT DISCHARGE AND ANY ADJUTING PROPERTIES BE PROTECTED FROM EXCESSIVE STORMWATER FLOW BY INSPECTING AND PROVIDING MAINTENANCE TO ALL CONTROLS SHOWN ON THE PLAN OR AS NEEDED THROUGHOUT CONSTRUCTION.



Locus Map
NOT TO SCALE

SOIL EROSION AND SEDIMENT CONTROL NOTES

1. ALL 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.
2. EROSION CONTROL BARRIERS CONSISTING OF STRAW WATTLES OR EQUAL SHALL BE INSTALLED AS SHOWN ON THIS PLAN AT A MINIMUM. ADDITIONAL BARRIERS MAY BE REQUIRED DUE TO THE LOGISTICS OF THE PROJECT. REMOVE THE ACCUMULATED SEDIMENT WHEN HALF THE HEIGHT OF THE BARRIER IS FILLED IN.
3. STOCKPILES OF SOILS AT THE RISK OF EROSION FROM WIND OR RAIN SHALL BE PROTECTED WITH EROSION CONTROL BARRIERS AND TEMPORARY SEED.
4. THE CONSTRUCTION ENTRANCE (I.E. STONE ANTI-TRACKING PAD) SHALL BE INSTALLED AND MAINTAINED THROUGHOUT BY THE CONTRACTOR. MAINTENANCE SHALL INCLUDE REPLACEMENT AND/OR TOP DRESSING WITH ADDITIONAL STONE AS REQUIRED.
5. ALL SEDIMENTS SPILLED, DROPPED, WASHED, OR TRACKED ONTO THE PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY.
6. ALL DISTURBED AREAS SHALL BE STABILIZED SHALL, AT A MINIMUM, RECEIVE 4" OF TOPSOIL AND SEED.
7. REFERENCE THE "RHODE ISLAND EROSION AND SEDIMENTATION CONTROL HANDBOOK" FOR FURTHER INFORMATION INCLUDED DETAILS AND PROCEDURES.

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Single-Family Residence

AP. 9 LOT 30 PARCEL B
 96 ANAN WADE ROAD
 GLOUCESTER, RI

OWNER/APPLICANT:
DOUGLAS PECKHAM
 96 ANAN WADE ROAD
 SCITUATE, RI 02857

OVERALL SITE PLAN & DETAILS

DATE: OCTOBER 2024 DESIGNED BY: N.J.P.
 SCALE: 1"=100' CHECKED BY: C.S.R.

DRAWING NO. **C-2**

NICHOLAS J. PIAMPANO
 REGISTERED PROFESSIONAL ENGINEER (CIVIL)
 No. 10000
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