

**LOCUS**  
NOT TO SCALE

SOIL EVALUATION TEST HOLE ELEVATIONS:

GROUND AT TH#4	104.9
WATER TABLE AT TH#4	101.6
GROUND AT TH#5	104.7
WATER TABLE AT TH#5	102.0
GROUND AT TH#6	105.5
WATER TABLE AT TH#6	103.3
GROUND AT LT#1	104.8
LEDGE AT LT#1	99.0
GROUND AT LT#2	103.9
LEDGE AT LT#2	97.2
GROUND AT LT#3	103.5
LEDGE AT LT#3	97.0
GROUND AT LT#4	106.2
LEDGE AT LT#4	98.7
GROUND AT LT#5	106.5
LEDGE AT LT#5	99.8

TEST HOLE DATA:  
DATE DUG - MAR. 12, 2021  
TEST HOLE: TH#4  
TEST HOLE: TH#5  
TEST HOLE: TH#6

GROUND WATER TABLE DATA: #2108-0131  
WATER TABLE DETERMINED BY SOIL EVALUATION  
DEPTH = 3'-4" WATER TABLE ELEV. = 101.6  
DEPTH = 2'-8" WATER TABLE ELEV. = 102.0  
DEPTH = 2'-3" WATER TABLE ELEV. = 103.3

LEACHING SYSTEM DESIGN BASED ON CATEGORY 8 SOIL

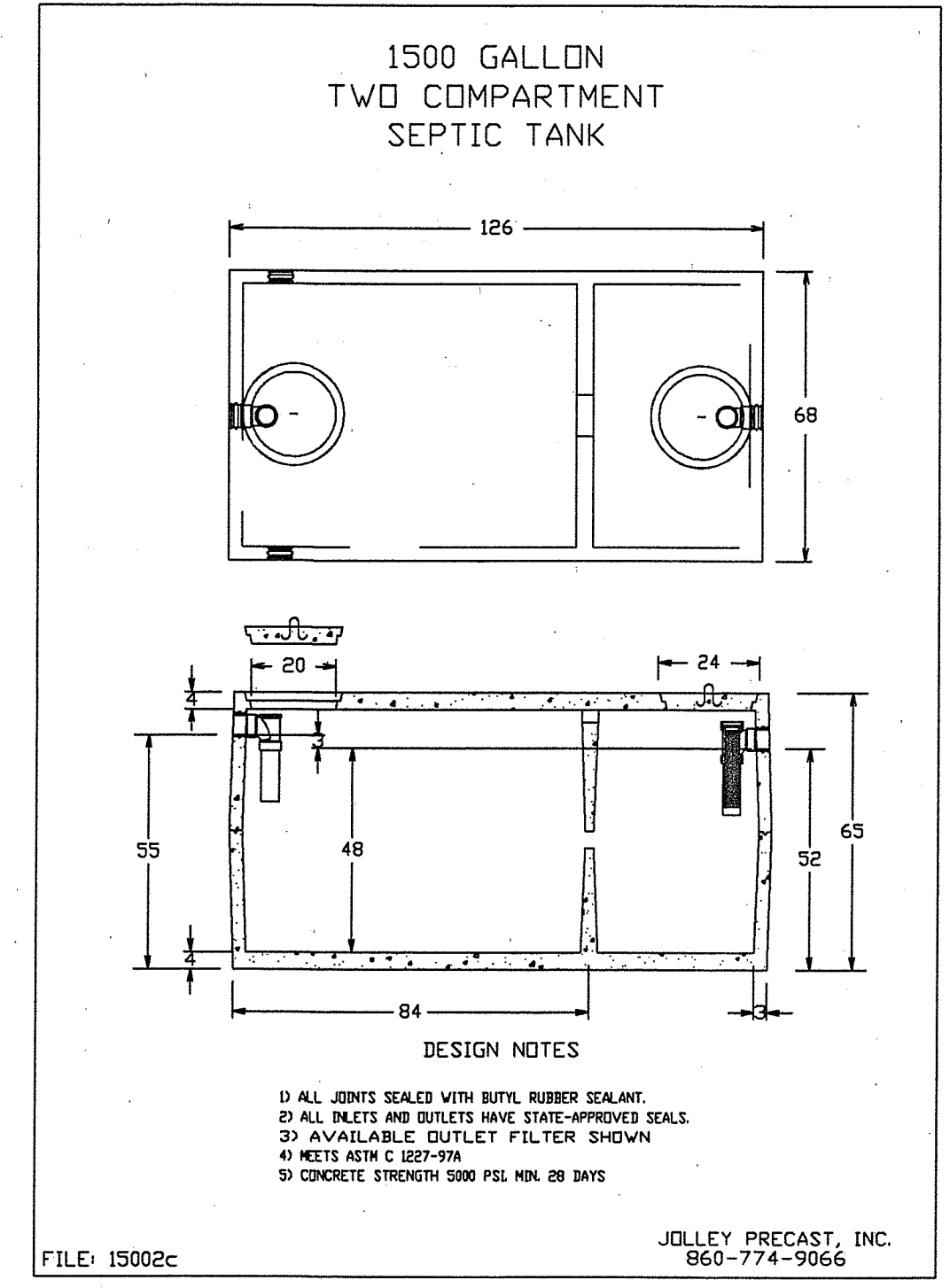
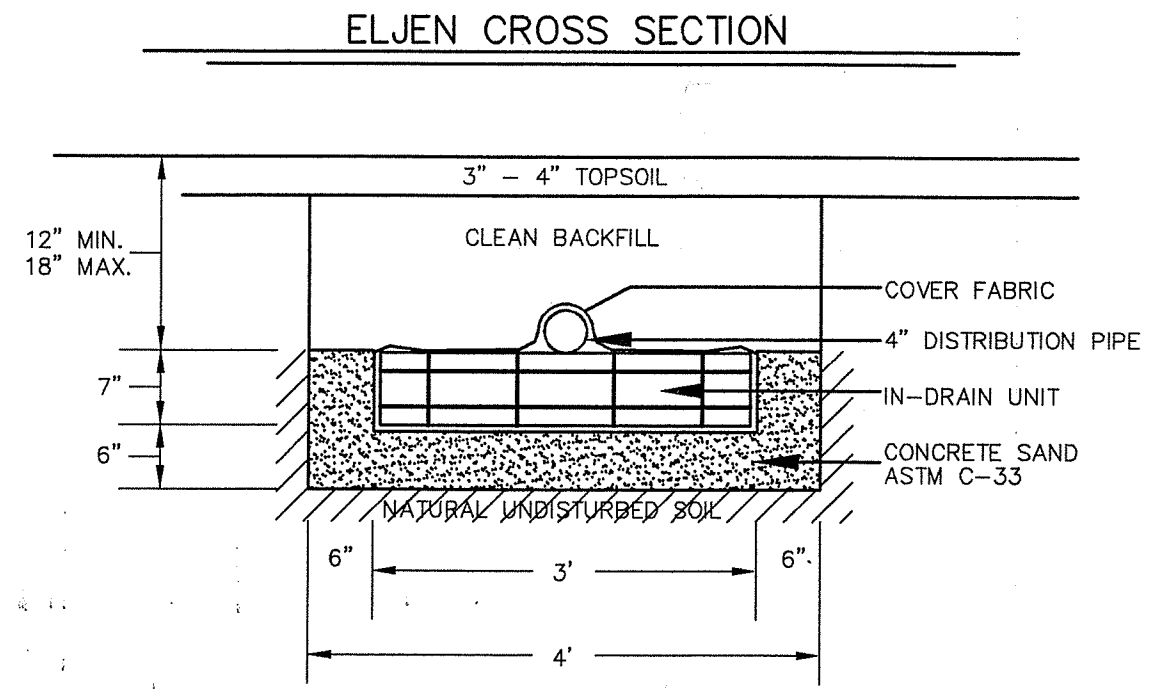
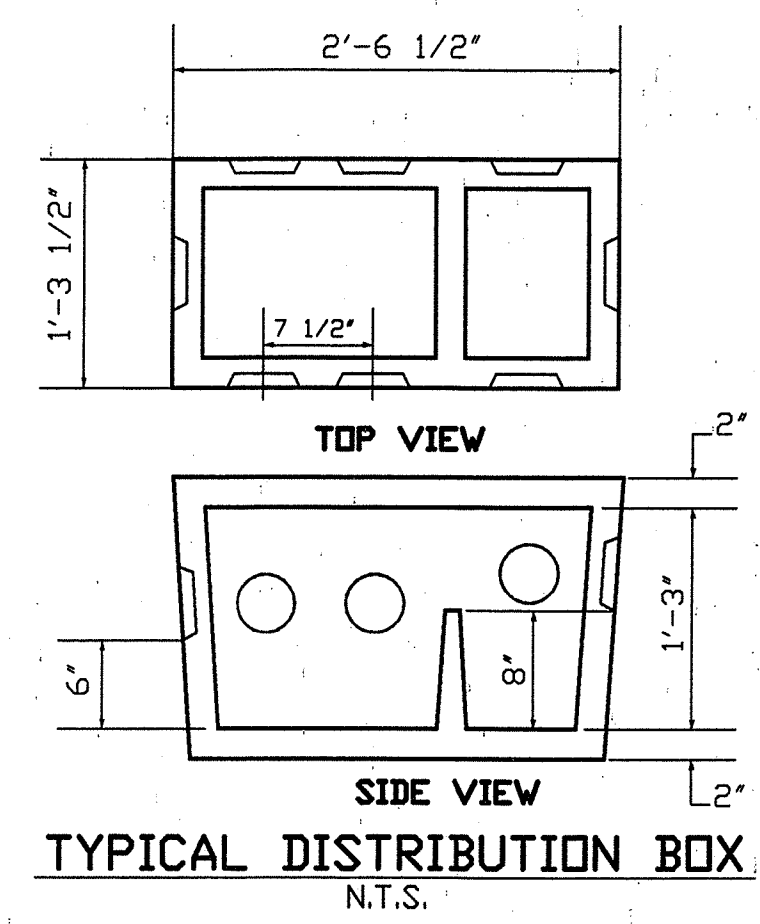
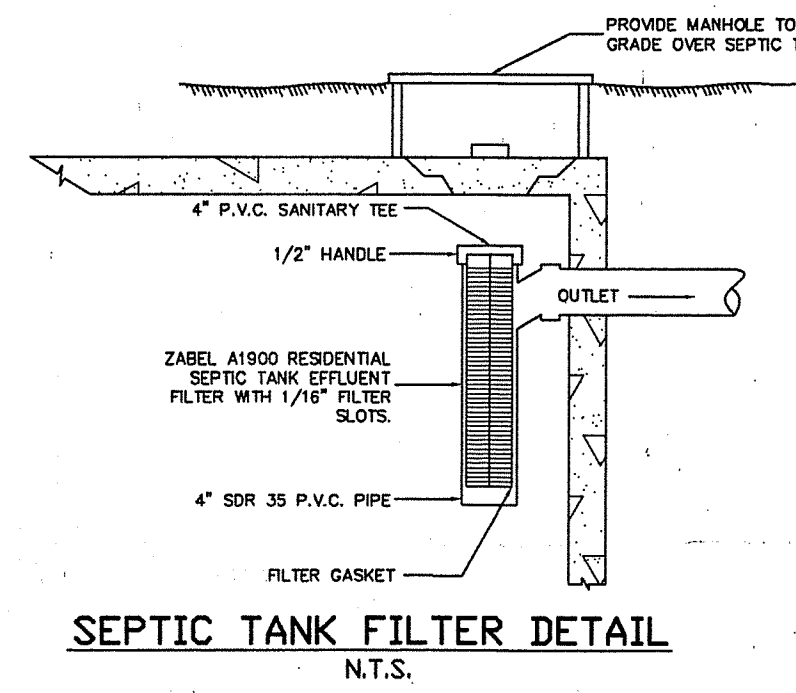
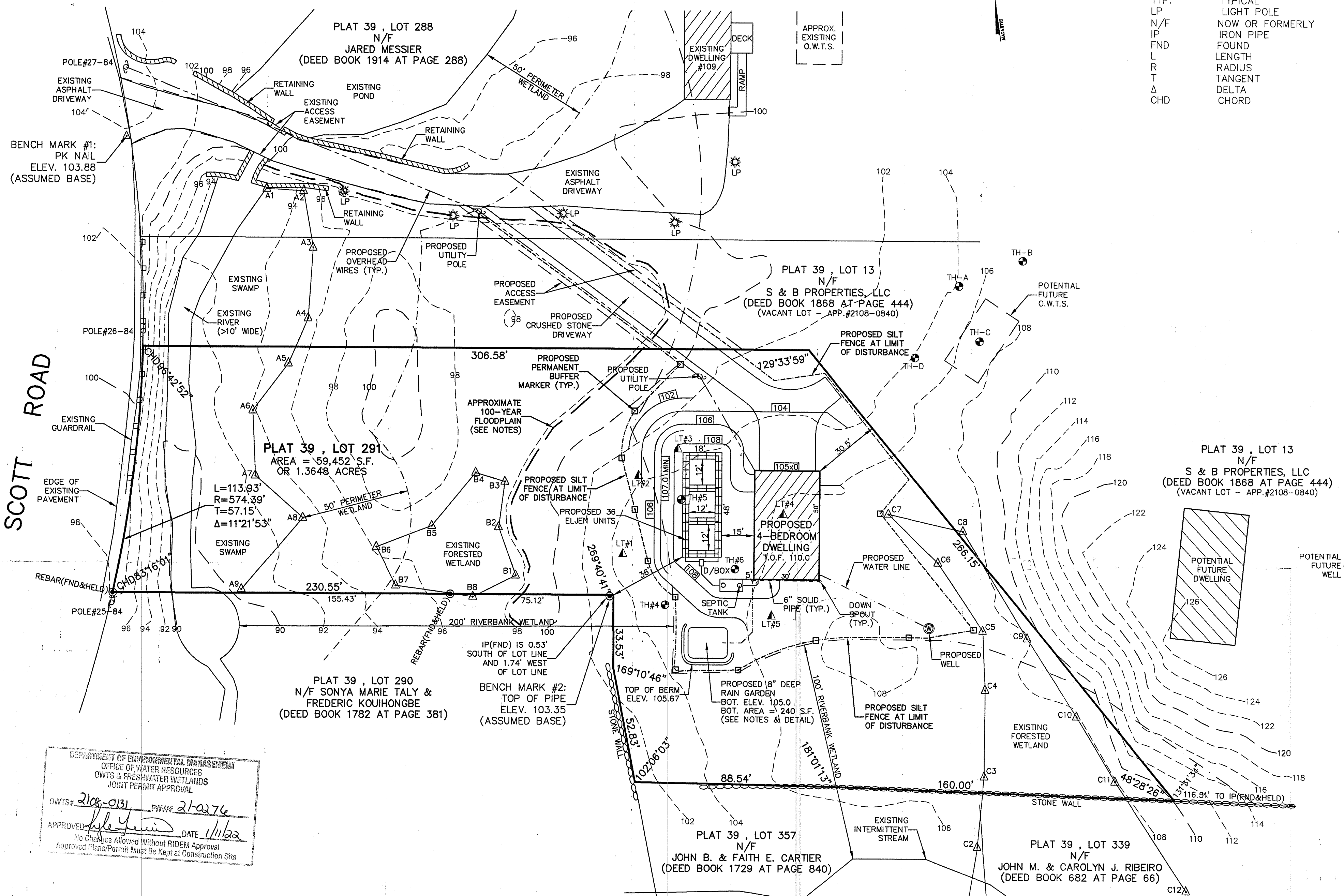
LEACHING SYSTEM DESIGN REQUIREMENTS:  
4 BEDROOMS X 115 GAL/DAY/BEDROOM = 460 GAL/DAY  
460 GAL/DAY + 0.46 GAL/S.F./DAY = 1,000 S.F. NEEDED  
1,000 S.F. + 28 S.F./ELJEN UNIT = 36 ELJEN UNITS NEEDED

LEACHING SYSTEM PROPOSED:  
2 LINES OF ELJEN UNITS - 48' LONG = 36 TOTAL UNITS  
TOTAL LEACHING AREA PROVIDED = 1,008 S.F.  
OVERALL DIMENSIONS: 18' WIDE BY 48' LONG

FLOOD ZONE NOTE:  
1. BY GRAPHIC PLOTTING ONLY, THE PARCEL APPEARS TO BE LOCATED WITHIN FLOOD ZONE "A" AS SHOWN ON FEMA FLOOD MAP 44007C0183G FOR THE TOWN OF CUMBERLAND, EFFECTIVE DATE MARCH 2, 2009.  
2. THE APPROXIMATE 100-YEAR FLOODPLAIN DEPICTED ON THIS PLAN WAS CONSERVATIVELY DETERMINED TO FOLLOW THE 98 CONTOUR PER LETTER BY AMERICAN ENGINEERING, INC., DATED: DECEMBER 8, 2021.

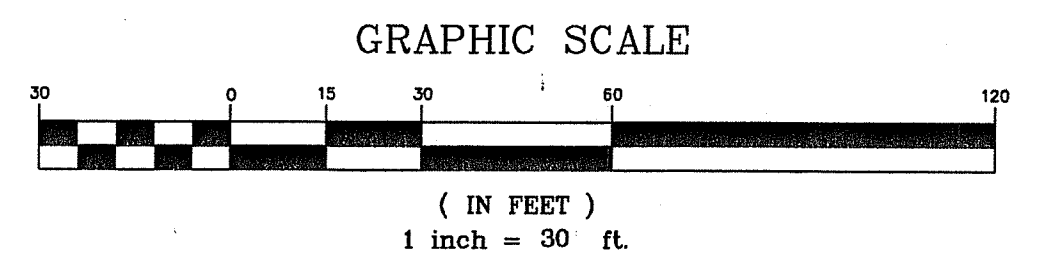
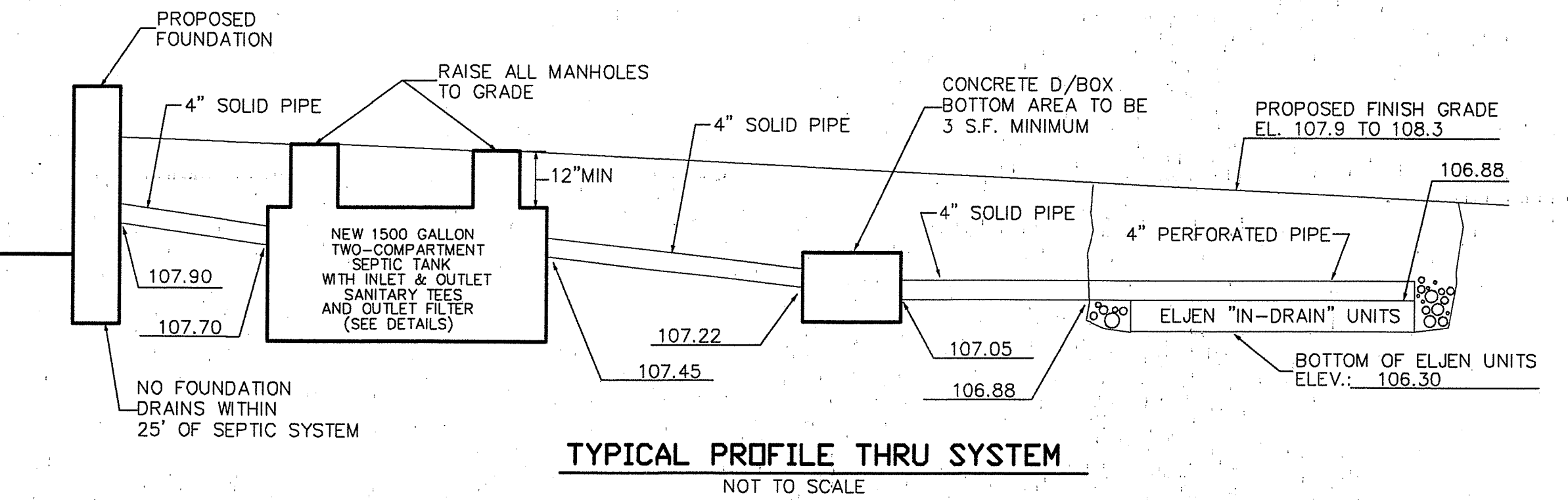
**LEGEND**

S.F.	SQUARE FEET
TH	TEST HOLE
LT	LEDGE TEST HOLE
O.W.T.S.	ON-SITE WASTEWATER TREATMENT SYSTEM
T.O.F.	TOP OF FOUNDATION
ELEV.	ELEVATION
BOT.	BOTTOM
MIN.	MINIMUM
TYP.	TYPICAL
LP	LIGHT POLE
N/F	NOW OR FORMERLY
IP	IRON PIPE
FND	FOUND
L	LENGTH
R	RADIUS
T	TANGENT
Δ	DELTA
CHD	CHORD



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
OWRS & FRESHWATER WETLANDS  
JOINT PERMIT APPROVAL

OWRS # 2108-0131 RW# 2108-0131  
APPROVED: [Signature] DATE: 11/1/21  
No Changes Allowed Without RIDEM Approval  
Approved Plans/Permit Plans Be Kept at Construction Site



MICHAEL R. DARVEAU  
NO. 1978  
PROFESSIONAL LAND SURVEYOR

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 NOVEMBER 25, 2015, AS FOLLOWS:

TYPE OF SURVEY: LIMITED CONTENT BOUNDARY SURVEY  
DATA ACCUMULATION SURVEY  
TOPOGRAPHIC ACCURACY

MEASUREMENT SPECIFICATION:  
CLASS I  
CLASS III  
T-2

STATEMENT OF PURPOSE:  
THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND FOR THE PREPARATION OF THE PLAN IS AS FOLLOWS:  
1) PREPARE A PROPOSED O.W.T.S. PLAN.

BY: [Signature]  
MICHAEL R. DARVEAU, PLS#1978  
PRESIDENT, DARVEAU LAND SURVEYING, INC.

DATE: 12/9/21  
COA #LS-A497

**DARVEAU LAND SURVEYING, INC.**  
P.O. BOX 7918  
CUMBERLAND, R.I. 02864  
PHONE 401-475-5700  
E-MAIL: MIKE@DARVEAUSURVEY.COM

PROPOSED O.W.T.S. PLAN FOR  
**S & B PROPERTIES, LLC**  
PLAT 39, LOT 291  
107 SCOTT ROAD  
CUMBERLAND, RHODE ISLAND

DRAWING NO: 2021\_010  
REVISION: DEC. 9, 2021  
SCALE: 1" = 30'

DRAWN BY: S.A.K.  
DATE: MAY 28, 2021  
SHEET NO: 1 OF 2

**GENERAL NOTES:**

1. THE SLOPE OF BUILDING SEWER FROM DWELLING TO SEPTIC TANK SHALL NOT BE LESS THAN 1% AND NOT GREATER THAN 5%.
2. THE OUTLET AND INLET PIPES SHALL BE CONNECTED TO THE SEPTIC TANK WITH A WATERTIGHT SEALED FLEXIBLE JOINT. THE PIPE GASKET SHALL BE AN INTEGRAL PART OF ALL TANKS AND THE PIPE GASKET SHALL BE FASTENED TO THE PIPE WITH A STAINLESS STEEL RETRACTABLE CLAMP. A FRICTION FIT CONNECTION IS ONLY ALLOWED IF THE TANK IS PERFORMANCE TESTED.
3. SURFACE WATER SHALL BE DIVERTED AWAY FROM THE SEPTIC TANK OPENING.
4. ACCESSIBILITY TO SEPTIC TANKS SHALL BE LOCATED ON THE LOT AS TO BE ACCESSIBLE FOR SERVICING AND CLEANING.
5. INSTALLATION OF ALL SEPTIC TANKS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S MINIMUM REQUIREMENTS. IN ADDITION, ALL SEPTIC TANKS MUST MEET THE INSTALLATION REQUIREMENTS SPECIFIED.
6. BACK FILL SHALL BE PLACED AROUND THE SEPTIC TANK IN SUCH A MANNER AS TO AVOID DAMAGE TO IT. ALL BACK FILL PLACED AROUND THE SEPTIC TANK SHALL BE FREE OF LARGE STONES, STUMPS, WASTE, CONSTRUCTION MATERIAL AND RUBBISH.
7. WHENEVER MORE THAN 25% OF THE DAILY DESIGN FLOW IS PUMPED INTO A SEPTIC TANK, THE TANK CAPACITY SHALL BE INCREASED BY 50% BEYOND THE MINIMUM CAPACITIES.
8. THE MINIMUM COVER OVER THE INVERT OF THE OUTLET SHALL BE 18". IF THE DEPTH OF COVER EXCEEDS 42", THE OWTS APPLICATION SHALL INCLUDE DOCUMENTATION OF THE TANK'S ABILITY TO STRUCTURALLY WITHSTAND THE LOADING, AND THE TANK'S DESIGN SHALL ALLOW FOR PROPER MAINTENANCE AND ACCESS.
9. WHEN A TIPPING DISTRIBUTION BOX IS USED, THE DISTRIBUTION BOX SHALL HAVE A MINIMUM 10" DIAMETER ACCESS OPENING BROUGHT TO FINISH GRADE. OWTS SYSTEMS WITH A FLOW OVER 2000 GALLONS PER DAY SHALL HAVE A MINIMUM 18" MANHOLE OVER EACH DISTRIBUTION BOX WITH AN EXTRA HEAVY DUTY FRAME AND COVER TO FINISHED GRADE.
10. LEACHING CONSTRUCTION WHERE THE INVERT OF DISTRIBUTION LINES IS BELOW GRADE, THE SOIL BETWEEN DISPERSAL TRENCHES SHALL REMAIN UNDISTURBED.
11. THE MINIMUM DISTANCE BETWEEN WALLS OF ADJACENT DISPERSAL TRENCHES SHALL BE 5' WHERE THE INVERT OF DISTRIBUTION LINES IS BELOW GRADE.
12. LEACHING CONSTRUCTION WHERE THE INVERT OF DISTRIBUTION LINES IS ABOVE THE ORIGINAL GRADE, THE LEACHING FIELD AREA AND 5' BEYOND SHALL BE STRIPPED OF ALL TOPSOIL.
13. A MINIMUM 10' HORIZONTAL SEPARATION DISTANCE SHALL BE PROVIDED BETWEEN THE OUTER EDGE OF THE ELJEN UNITS IN THE TRENCHES AND ANY GROUND SURFACE ELEVATION LESS THAN THE INVERT OF THE DISTRIBUTION LINE. THE ADJACENT SIDE SLOPE SHALL NOT BE STEEPER THAN 3:1 FOR A 25' MINIMUM DISTANCE FROM THE EDGE OF THE ELJEN IN THE DISPERSAL TRENCH OR UNTIL THE TOE OF THE SLOPE RETURNS TO THE ELEVATION OF THE ORIGINAL GRADE. THE TOE OF THE 3:1 SLOPE SHALL BE A MINIMUM OF 5' FROM ANY PROPERTY LINE.
14. USE SCHED 35 PVC PIPING OR EQUIVALENT THROUGHOUT SEWAGE SYSTEM, EXCEPT AS NOTED.
15. NO WELL EXISTS WITHIN 200' OF THE PROPOSED SEWAGE SYSTEM EXCEPT AS SHOWN.
16. IF A WELL IS PROPOSED, NO SEWAGE SYSTEM EXISTS WITHIN 200' OF THE PROPOSED WELL EXCEPT AS SHOWN.
17. ALL WELLS, EXISTING AND PROPOSED, WITHIN 200' OF THE SEWAGE SYSTEM ARE SHOWN. ALL PUBLIC WELLS, EXISTING AND PROPOSED, WITHIN 500' OF THE SEWAGE SYSTEM AREA ARE SHOWN.
18. IF A DRIVEWAY OR PAVEMENT IS TO BE NEAR THE SEWAGE SYSTEM, A PROTECTIVE BERM IS TO BE PLACED AROUND THE SEWAGE SYSTEM IN THE AREA OF THE DRIVEWAY OR PAVEMENT TO PREVENT VEHICULAR TRAFFIC TRAVELING OVER THE SEWAGE SYSTEM.
19. INSTALLER TO MEET ALL O.W.T.S. SPECIFICATIONS AND REQUIREMENTS.
20. NO DRAINS OF ANY KIND SHALL BE LOCATED WITHIN 25' OF THE PROPOSED SEWAGE SYSTEM.
21. THE FINISH GRADE AT 10' FROM ALL SIDES OF LEACHING FIELD SHALL NOT BE LOWER THAN ELEVATION OF 107.0 WITH 3:1 SLOPE.
22. REMOVE ALL TREES, ROOTS, BRUSH AND BOULDERS WITHIN 10- FEET OF ALL SIDES OF THE LEACHING FIELD.
23. OWNER AND/OR BUILDER IS RESPONSIBLE FOR BUILDING AND LEACHING FIELD MEETING LOCAL ZONING SETBACK REQUIREMENTS.
24. ALL UNDERGROUND UTILITIES AND STRUCTURES ARE APPROXIMATE AND MUST BE FIELD VERIFIED BEFORE THE START OF ANY CONSTRUCTION OR EXCAVATION.
25. THE PROPOSED SILT FENCE IS TO BE INSTALLED BEFORE THE START OF ANY CONSTRUCTION AND REMAIN IN PLACE UNTIL ALL DISTURBED AREAS ARE REVEGETATED.
26. THE SILT FENCE IS TO BE INSPECTED ONCE A MONTH OR AFTER ALL STORM EVENTS AND REPAIRED AS NEEDED.

**SEPTIC TANK NOTES:**

1. ONE INLET AND ONE OUTLET SHALL BE PROVIDED THROUGH THE APPROPRIATE END OR SIDE WALL OF EACH TANK. WHERE MORE THAN ONE INLET IS REQUIRED FOR MULTIPLE BUILDING SEWERS, THE TANK SHALL BE MANUFACTURED WITH THE APPROPRIATE NUMBER OF INLETS.
2. THE INVERT ELEVATION OF THE OUTLET SHALL BE AT LEAST 3" BELOW THE INVERT ELEVATION OF THE INLET, AND ABOVE THE SEASONAL HIGH GROUNDWATER TABLE.
3. THE OUTLET AND INLET PIPES SHALL BE CONNECTED TO THE SEPTIC TANK WITH A WATERTIGHT SEALED FLEXIBLE JOINT. THE PIPE GASKET SHALL BE AN INTEGRAL PART OF ALL TANKS AND THE PIPE GASKET SHALL BE FASTENED TO THE PIPE WITH A STAINLESS STEEL RETRACTABLE CLAMP. A FRICTION FIT CONNECTION IS ONLY ALLOWED IF THE TANK IS PERFORMANCE TESTED.
4. SEPTIC TANKS SHALL BE PROVIDED WITH AN INLET SANITARY TEE AND OUTLET TEES OR OTHER NON-CORRODING EQUIVALENT DEVICE APPROVED BY THE DIRECTOR. THE INLET AND OUTLET TEES SHALL BE MINIMUM SDR 35 PVC SOLVENT WELDED. THE TOPS OF THE TEES SHALL EXTEND A MINIMUM OF 6" ABOVE THE FLOW LINE, AND SHALL BE LEFT OPEN TO PROVIDE VENTILATION. THERE SHALL BE AN AIR SPACE OF AT LEAST 3" BETWEEN THE TOP OF THE TEES AND TOP INTERIOR OF THE TANK.
5. THE INLET SANITARY TEE SHALL EXTEND DOWNWARD AT LEAST 12" BELOW THE FLOW LINE.
6. THE OUTLET TEE SHALL EXTEND DOWNWARD 1/3 OF THE DEPTH BELOW THE FLOW LINE. ALL OUTLET TEES OR OTHER APPROVED OUTLET DEVICES SHALL BE EQUIPPED WITH AN EFFLUENT SCREEN.
7. SPECIFICATIONS FOR INLET TEES AND OUTLET TEES ARE FOR NORMAL, LOW-FLOW CONDITIONS. HIGH-FLOW CONDITIONS, CREATED WITH LIQUID IS PUMPED FROM ANOTHER TANK, MAY REQUIRE OTHER DIMENSIONS AND CONSIDERATIONS.
8. A MINIMUM 20" INSIDE DIAMETER ACCESS OPENING SHALL BE LOCATED OVER BOTH THE INLET TEE AND OUTLET TEE. ALL SEPTIC TANK OPENINGS SHALL MEET THE FOLLOWING REQUIREMENTS.
9. THE ACCESS OPENING OVER THE OUTLET TEE SHALL BE BROUGHT TO FINISHED GRADE. OTHER ACCESS OPENINGS SHALL EITHER BE BROUGHT TO FINISHED GRADE OR WITHIN 12" OF FINISHED GRADE. WHERE A RISER IS REQUIRED, IT SHALL BE WATERTIGHT.
10. LIDS ON TOP OF THE SEPTIC TANK SHOULD REMAIN IN PLACE WHERE PRACTICAL. LIDS FOR THE OPENING AT FINISHED GRADE SHALL PREVENT UNAUTHORIZED ENTRY BY MEETING EITHER OF THE FOLLOWING: (A) LID SHALL WEIGH A MINIMUM OF 59 POUNDS AND FIT TIGHTLY ONTO THE RISER OR (B) LID SHALL BE TAMPER RESISTANT AND MECHANICALLY FASTENED.
11. THE SEPTIC TANK MANUFACTURERS SHALL PROVIDE AND LICENSED OWTS INSTALLERS SHALL ATTACH A LABEL OF NON-CORROSIVE MATERIAL IN A PROMINENT LOCATION AT EACH ACCESS OPENING TO WARN THAT "ENTRANCE INTO THE TANK COULD BE FATAL."
12. SURFACE WATER SHALL BE DIVERTED AWAY FROM THE SEPTIC TANK OPENING.
13. ACCESSIBILITY TO SEPTIC TANKS SHALL BE LOCATED ON THE LOT AS TO BE ACCESSIBLE FOR SERVICING AND CLEANING.
14. INSTALLATION OF ALL SEPTIC TANKS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S MINIMUM REQUIREMENTS. IN ADDITION, ALL SEPTIC TANKS MUST MEET THE INSTALLATION REQUIREMENTS SPECIFIED.
15. THE SEPTIC TANK SHALL BE INSTALLED ON A LEVEL STABLE BASE THAT WILL NOT SETTLE.
16. BACK FILL SHALL BE PLACED AROUND THE SEPTIC TANK IN SUCH A MANNER AS TO AVOID DAMAGE TO IT. ALL BACK FILL PLACED AROUND THE SEPTIC TANK SHALL BE FREE OF LARGE STONES, STUMPS, WASTE, CONSTRUCTION MATERIAL AND RUBBISH.
17. WHERE ANY PORTION OF A SEPTIC TANK IS INSTALLED BELOW THE SEASONAL HIGH GROUNDWATER TABLE, THE TANK'S SUSCEPTIBILITY TO FLOATATION SHALL BE DETERMINED, AND PROVISIONS SHALL BE MADE TO PREVENT FLOATATION, WHERE NECESSARY AS DETERMINED BY THE FLOATATION CALCULATIONS.
18. WHENEVER MORE THAN 25% OF THE DAILY DESIGN FLOW IS PUMPED INTO A SEPTIC TANK, THE TANK CAPACITY SHALL BE INCREASED BY 50% BEYOND THE MINIMUM CAPACITIES.
19. THE MINIMUM COVER OVER THE INVERT OF THE OUTLET SHALL BE 18". IF THE DEPTH OF COVER EXCEEDS 42", THE OWTS APPLICATION SHALL INCLUDE DOCUMENTATION OF THE TANK'S ABILITY TO STRUCTURALLY WITHSTAND THE LOADING, AND THE TANK'S DESIGN SHALL ALLOW FOR PROPER MAINTENANCE AND ACCESS.
20. THE SEPTIC TANK SHALL BE A MINIMUM OF 75' FROM ALL WELLS.
21. THE SEPTIC TANK CAPACITY IS TO BE INCREASED BY 250 GALLONS IF A GARBAGE GRINDER OR 100 GALLON TUB IS INSTALLED IN THE DWELLING.

**GENERAL CONTRACTOR'S NOTES:**

1. ALL UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE AND ARE TAKEN FROM EXISTING FIELD LOCATION AND/OR EXISTING PLANS.
2. NO EXCAVATION IS TO OCCUR UNTIL "DIG SAFE" AND ALL APPROPRIATE UTILITY COMPANIES HAVE BEEN NOTIFIED AND MARKED THE EXACT LOCATION ON THE GROUND.

**SEDIMENTATION AND EROSION CONTROL:**

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL TEMPORARY SEDIMENTATION & EROSION CONTROL.
2. EMBANKMENT SLOPES & ALL DISTURBED AREAS ARE TO RECEIVE A LAYER OF TOPSOIL (LOAM) AND SEED.
3. IMMEDIATELY UPON COMPLETION OF THE CLEARING AND GRUBBING AND PRIOR TO ANY ROUGH GRADING, A TEMPORARY SILT FENCE SHALL BE PLACED AT THE LIMIT OF PERMANENT DISTURBANCE PER PLAN.
4. ALL EROSION & SEDIMENTATION CONTROL SHALL BE CONTINUALLY MAINTAINED BY THE CONTRACTOR.

**EROSION & SOIL STABILIZATION PROGRAM:**

1. TEMPORARY TREATMENTS SHALL CONSIST OF A SILT FENCE, HAY BALES, WATTLES (MULCH TUBES), OR PROTECTIVE COVERS SUCH AS FABRIC MATS.
2. ALL CONTROLS SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED COVER IS ESTABLISHED.
3. NORMAL ACCEPTABLE SEASONAL SEEDING DATES ARE APRIL 1 - OCT. 15.
4. ALL FILL, IF REQUIRED, SHALL BE CLEAN AND THOROUGHLY COMPACTED UPON PLACEMENT IN STRICT CONFORMANCE WITH RIDPW STANDARD SPECIFICATION SECTION 202.

**SEDIMENTATION CONTROL PROGRAM:**

1. A TEMPORARY SILT FENCE, HAY BALES, WATTLES, OR PROTECTIVE COVER SHALL BE INSTALLED PRIOR TO CONSTRUCTION & SHALL BE MAINTAINED CONTINUALLY. IN ADDITION TO THE LINE OF THE SILT FENCE AT THE LIMIT OF PERMANENT DISTURBANCE, TEMPORARY BARRIERS SHALL BE CONSTRUCTED AT THE TOE OF THE DISTURBED (CUT OR FILL) SLOPES UNTIL VEGETATIVE COVER HAS BEEN ESTABLISHED.
2. DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ADEQUATE DRAINAGE FLOW DURING STORMS AND PERIODS OF RAINFALL.
3. SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED CLOSELY AND MAINTAINED PROMPTLY AFTER EACH RAINFALL.

**SLOPE STABILIZATION AND VEGETATION:**

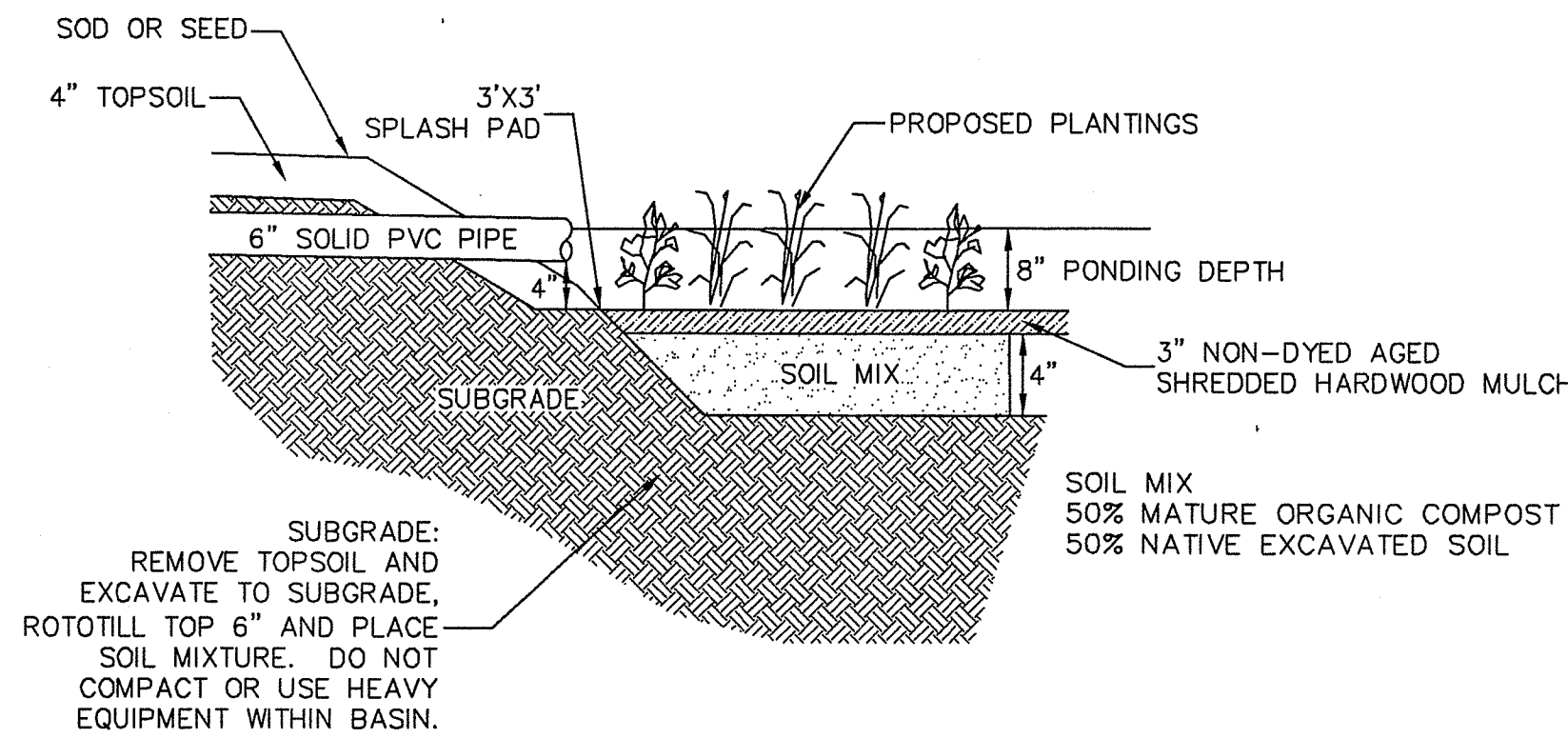
1. ALL CONTROLS SHALL BE PLACED AT THE TOE OF ALL DISTURBED SLOPES. THIS SHALL BE MAINTAINED AS A SEDIMENT BARRIER UNTIL THE SLOPES ARE STABILIZED WITH GRASS.
2. THE DISTURBED SLOPES (CUT OR FILL) SHALL BE IMMEDIATELY MULCHED AS AN EROSION PROTECTION MEASURE.
3. MAINTAIN MULCH UNTIL THE SLOPES ARE STABILIZED WITH A SATISFACTORY GROWTH OF GRASS.
4. VEGETATION REMOVED MAY BE SHREDDED AND CHIPPED ON SITE FOR USE AS MULCH, OR IT MAY BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER.
5. THE RESEEDING OF THE DISTURBED SLOPES SHALL BE CONDUCTED WITH SEED MATERIALS SELECTED FOR PRODUCTION OF A QUICK COVER AND HARDY STAND. PARTICULARLY A CONSERVATION GRASS SEED OR COMPARABLE. THE SEEDING SHALL BE IN ACCORDANCE WITH COMMON NURSERY PRACTICE IN THE RHODE ISLAND AREA.
6. PROVIDED THAT THE PROVISIONS OF THIS SEDIMENTATION & EROSION CONTROL PLAN ARE IMPLEMENTED, THERE WILL BE NO ADVERSE ENVIRONMENTAL EFFECTS FROM THE PROPOSED CONSTRUCTION.

**RAIN GARDEN CALCULATIONS:**

- \* RAIN GARDEN SIZING CALCULATION PER RHODE ISLAND STORMWATER MANAGEMENT GUIDANCE DOCUMENT FOR INDIVIDUAL SINGLE-FAMILY RESIDENTIAL LOT DEVELOPMENT - TABLE 8: RAIN GARDEN SIZING.
- \* TOTAL IMPERVIOUS AREA = 1,500 S.F. DWELLING
- RAIN GARDEN DEPTH = 8-INCHES
- SOIL TYPE: SILTY SOILS = 0.16 SIZING FACTOR
- 1,500 S.F. AREA x 0.16 = 240 S.F. NEEDED
- \* RAIN GARDEN AREA PROPOSED = 240 S.F.

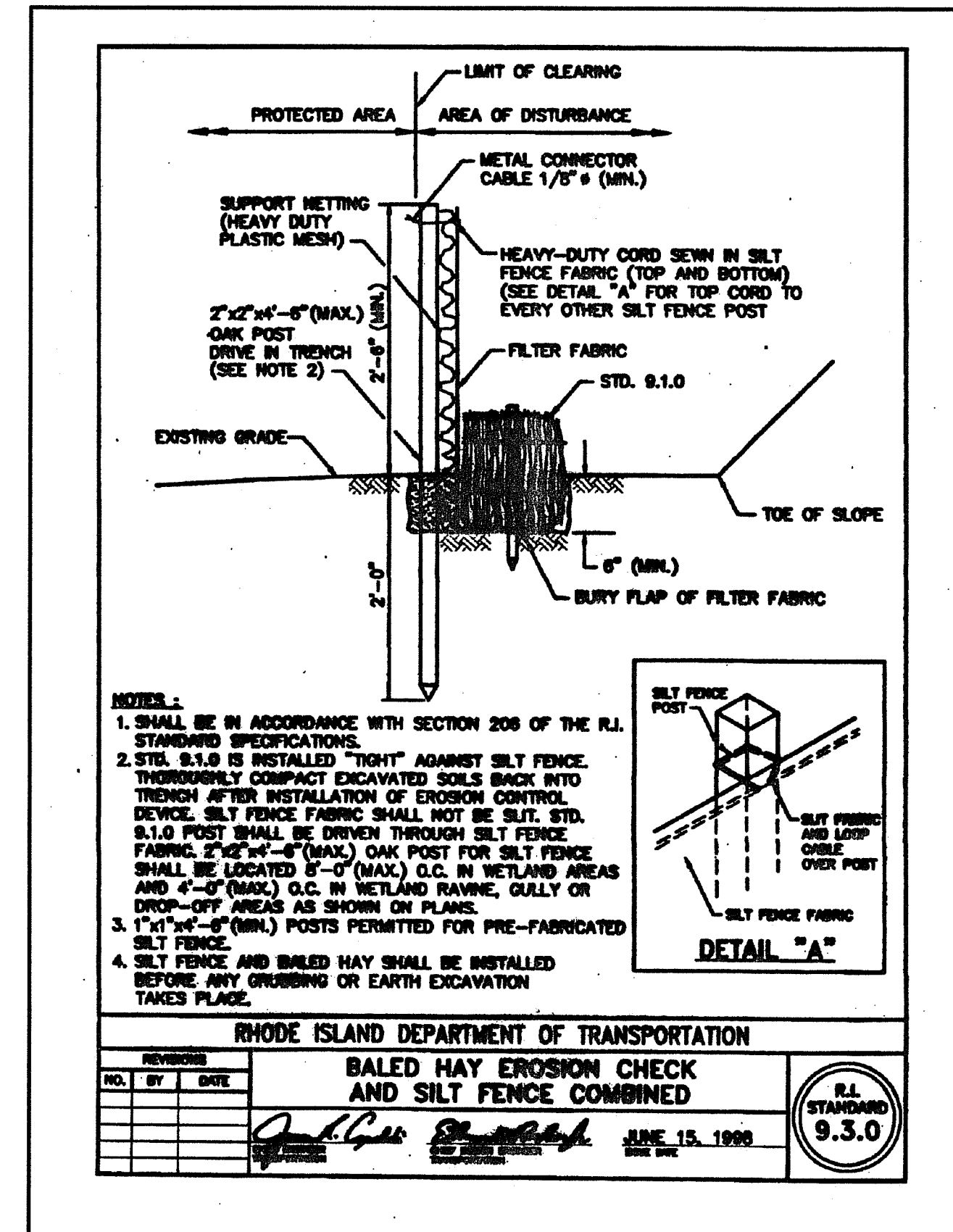
**RAIN GARDEN NOTES:**

1. RAIN GARDEN SHALL BE INSPECTED FOLLOWING AT LEAST THE FIRST TWO (2) PRECIPITATION EVENTS OF AT LEAST 1.0 INCH TO ENSURE THAT THE SYSTEM IS FUNCTIONING PROPERLY. THEREAFTER, THE RAIN GARDEN SHALL BE MONITORED AND MAINTAINED TO ASSURE PROPER FUNCTIONING PLANT GROWTH AND SURVIVAL. PLANTS SHALL BE REPLACED ON AN AS-NEEDED BASIS DURING THE GROWING SEASON.
2. SILT/SEDIMENT SHALL BE REMOVED FROM THE RAIN GARDEN WHEN THE ACCUMULATED SEDIMENT EXCEEDS ONE (1) INCH, OR WHEN WATER PONDS FOR MORE THAN 48 HOURS. THE TOP FEW INCHES OF MATERIAL SHALL BE REMOVED AND REPLACED WITH FRESH SOIL MIXTURE AND MULCH.
3. PRUNING OR REPLACEMENT OF WOODY VEGETATION SHALL OCCUR WHEN DEAD OR DYING VEGETATION IS OBSERVED.
4. SOIL EROSION GULLIES SHALL BE REPAIRED WHEN THEY OCCUR.
5. FERTILIZER OR PESTICIDES SHALL NOT BE APPLIED TO PLANTS WITHIN RAIN GARDENS.
6. PERENNIAL PLANTS AND GROUND COVERS SHALL BE REPLACED AS NECESSARY TO MAINTAIN AN ADEQUATE VEGETATED GROUND COVER. ANNUAL PLANTS MAY ALSO BE USED TO MAINTAIN GROUND COVER.
7. THE PROPOSED PLANTINGS FOR THE RAIN GARDEN SHALL BE SUITABLE NATIVE PLANTS USED IN ACCORDANCE WITH THE RHODE ISLAND COASTAL PLANT GUIDE, WHICH IS LOCATED AT CELS.URI.EDU/TESTSITE/COASTALPLANTS/COASTALPLANTGUIDE.HTM.



**RAIN GARDEN CROSS-SECTION**

NOT TO SCALE



**DARVEAU LAND SURVEYING, INC.**  
 P.O. BOX 7918  
 CUMBERLAND, R.I. 02864  
 PHONE 401-475-5700  
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PROPOSED O.W.T.S. PLAN FOR  
**S & B PROPERTIES, LLC**  
 PLAT 39, LOT 291  
 107 SCOTT ROAD  
 CUMBERLAND, RHODE ISLAND

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 DRAWN BY: S.A.K.

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