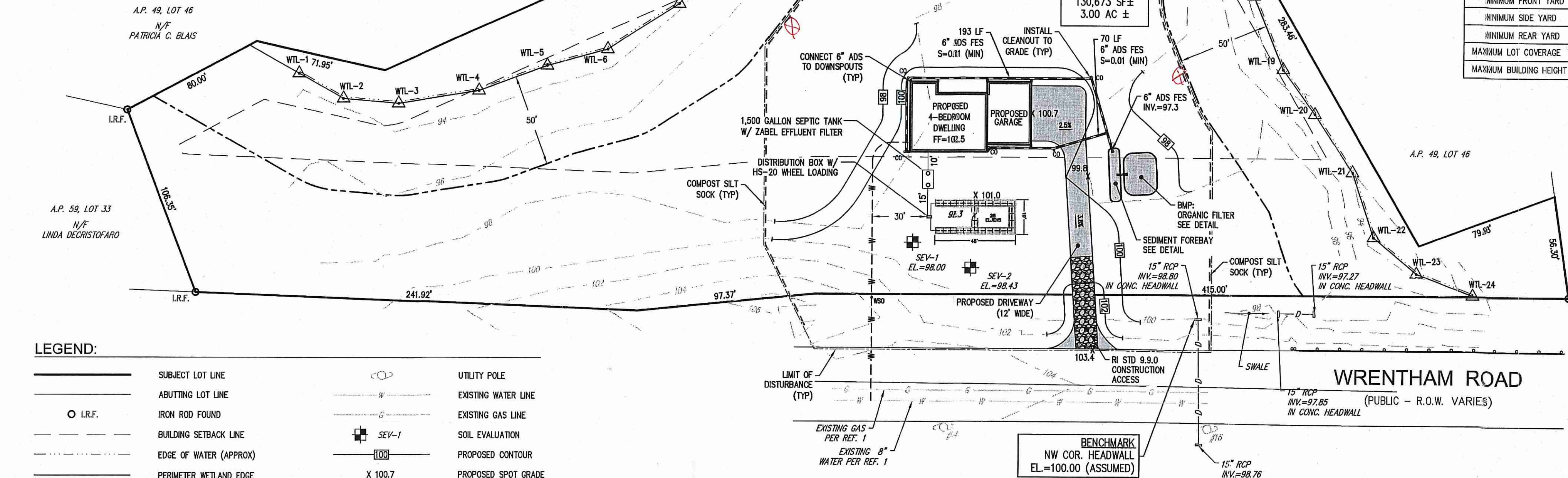


REFERENCES:

- "WETLANDS PLAN A.P. 49 LOT 46 FOR: PATRICIA BLAIS, 36 GRANTS MILL ROAD CUMBERLAND, RI 02864" PREPARED BY DAVID M. GARRIGAN PLS, CUMBERLAND, RI DATE: 4/16/2012, REV. 1/10/2013, SCALE: 1"=60'.
- "RECORD SURVEY PLAN CUMBERLAND, RI PLAN OF LAND PREPARED FOR PATRICIA C. BLAIS CLASS I SURVEY OF A.P. 49 LOT 46 A.P. 59 LOT 42 WRENTHAM ROAD GRANTS MILL ROAD ZONE A-2 JANUARY 2, 2014" PREPARED BY MARSH & LONG SURVEYING INC. SCALE: 1"=60'.

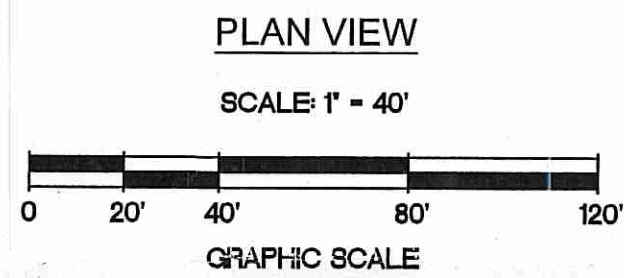
FLOOD NOTE:

PORTIONS OF THIS SITE MAY LIE WITHIN THE FOLLOWING ZONES AS SHOWN ON THE NATIONAL FLOOD INSURANCE RATE MAPS (FIRM), PROVIDENCE COUNTY, RHODE ISLAND (ALL JURISDICTIONS), PANEL 95 OF 451, MAP NUMBER 4407000800, EFFECTIVE DATE MARCH 2, 2009:
 ZONE "X" - AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN
 ZONE "A" - NO BASE FLOOD ELEVATIONS DETERMINED.



LEGEND:

—	SUBJECT LOT LINE	○	UTILITY POLE
—	ABUTTING LOT LINE	—	EXISTING WATER LINE
○	I.R.F.	—	EXISTING GAS LINE
---	BUILDING SETBACK LINE	+	SOIL EVALUATION
---	EDGE OF WATER (APPROX)	X 100.7	PROPOSED CONTOUR
---	PERIMETER WETLAND EDGE	—	PROPOSED SPOT GRADE
---	WETLAND FLAG LOCATION	—	PROPOSED DRAIN LINE
---	WETLAND SETBACK	—	PROPOSED CLEANOUT
---	EXISTING CONTOUR	—	PROPOSED WATER LINE
---	EXISTING EDGE OF PAVEMENT	—	PROPOSED WATER SHUT OFF
---	EXISTING GUARDRAIL	—	LIMIT OF DISTURBANCE
---	EXISTING DRAIN LINE	—	COMPOST SILT SOCK
---	ASSESSOR'S PLAT AND LOT DESIGNATION		

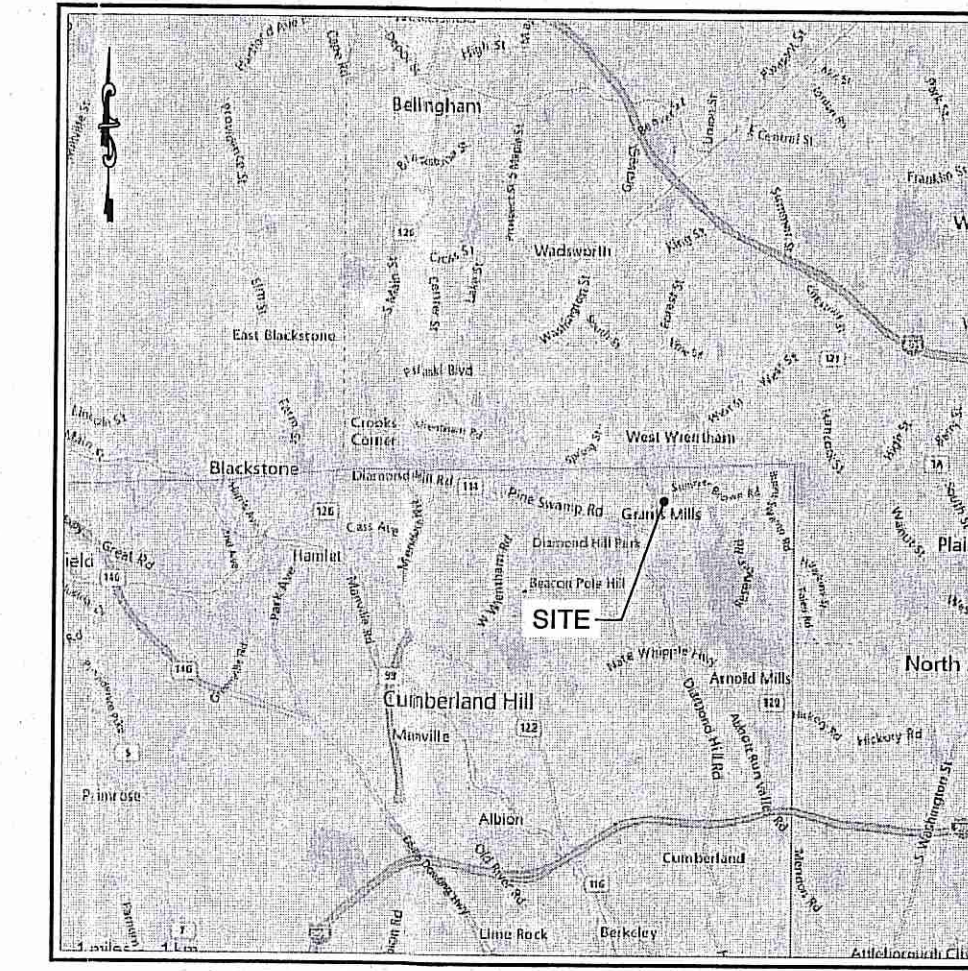


ZONING DATA:

A-2 NO SEWER / WITH WATER
REFERENCE: SECTION 5-2 (b)

DIMENSIONAL REQUIREMENTS:

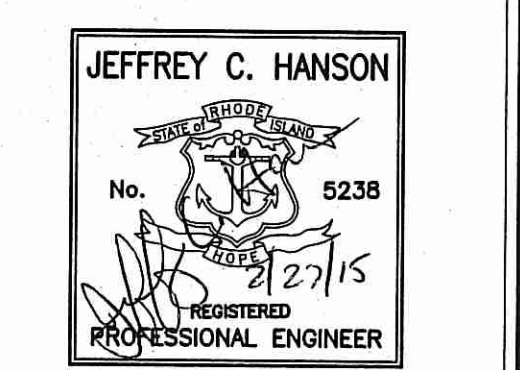
	REQUIRED	PROVIDED
MINIMUM LOT AREA	80,000 S.F.	130,673 S.F.
MINIMUM LOT WIDTH	180 FT.	672.2 FT.
MINIMUM LOT FRONTAGE	180 FT.	754.3 FT.
SETBACKS:		
MINIMUM FRONT YARD	75 FT.	76.0 FT.
MINIMUM SIDE YARD	20 FT.	140.3 FT.
MINIMUM REAR YARD	30 FT.	123.0 FT.
MAXIMUM LOT COVERAGE	15 %	3.6 %
MAXIMUM BUILDING HEIGHT	35 FT.	<35 FT.



LOCATION MAP

NOT TO SCALE
 DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 OWTS & FRESHWATER WETLANDS
 JOINT PERMIT APPROVAL
 OWTS: 0208-2973 FWH# 15-037
 APPROVED: JAMES RAN DATE 3/31/15
 No Changes Allowed Without R.I.D.E.M. Approval
 Approved Plans/Permit Must Be kept at Construction Site

NO.	DATE	REVISION



OWTS NOTE:

THE SUBJECT PROPERTY IS WITHIN THE CUMBERLAND, PAWBUCKET WATER SUPPLY BOARD DRINKING WATER SUPPLY WATERSHED

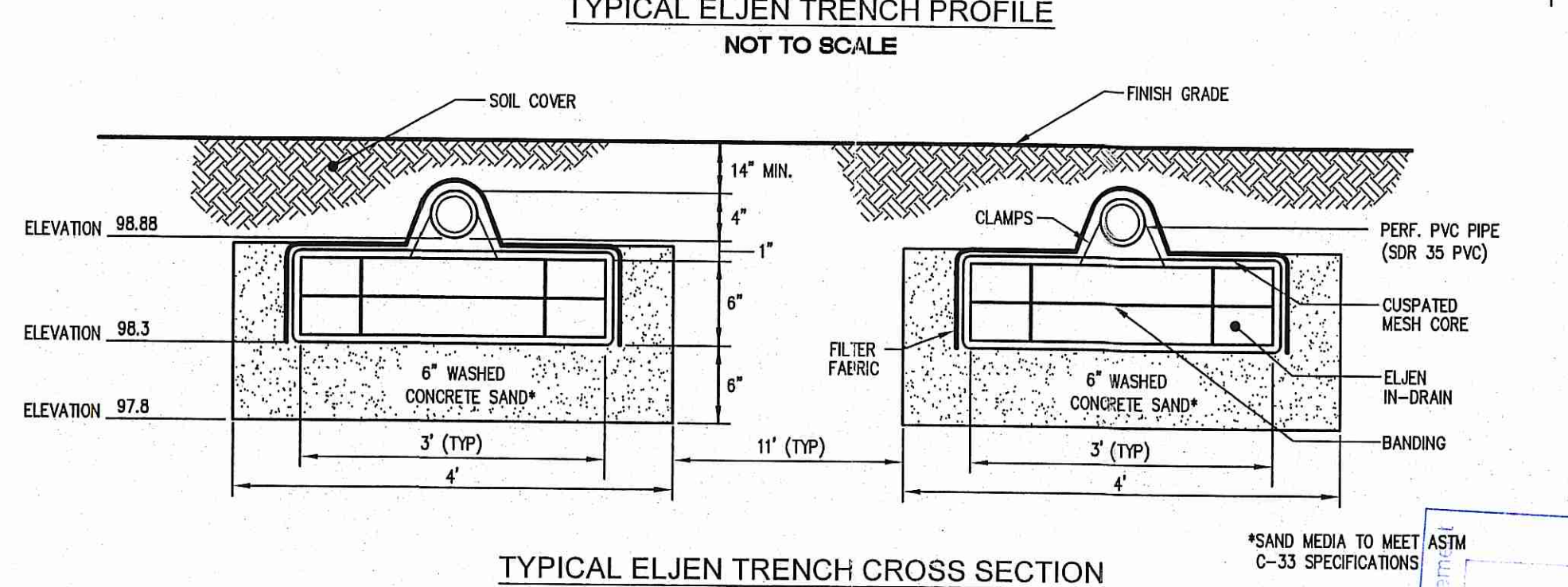
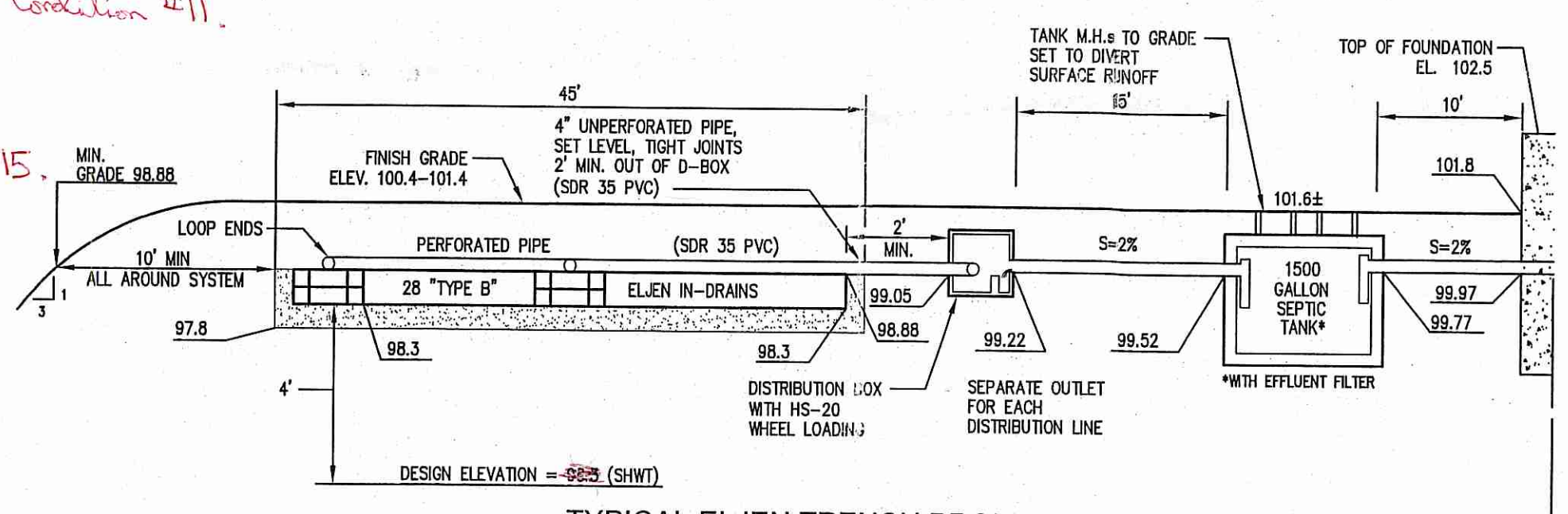
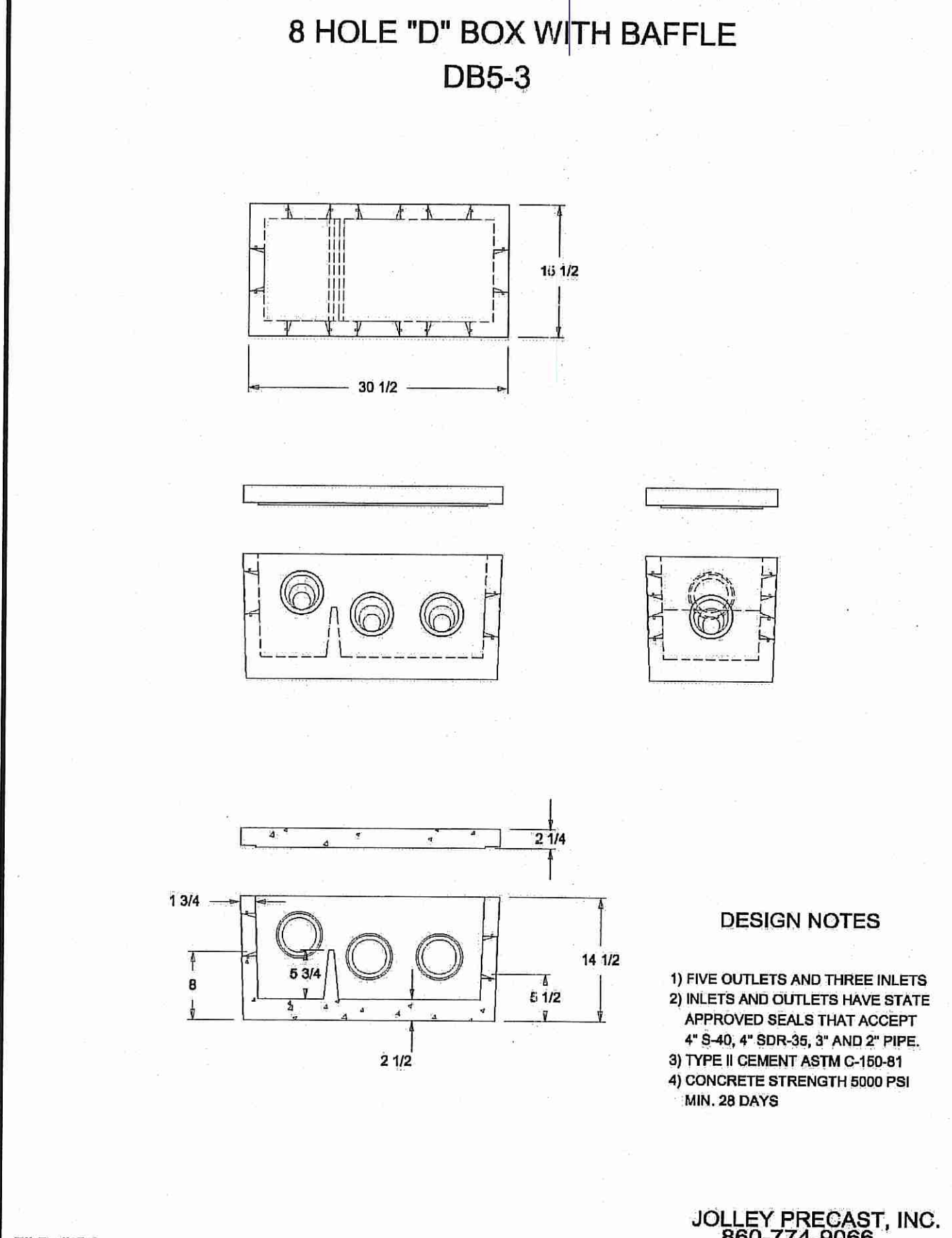
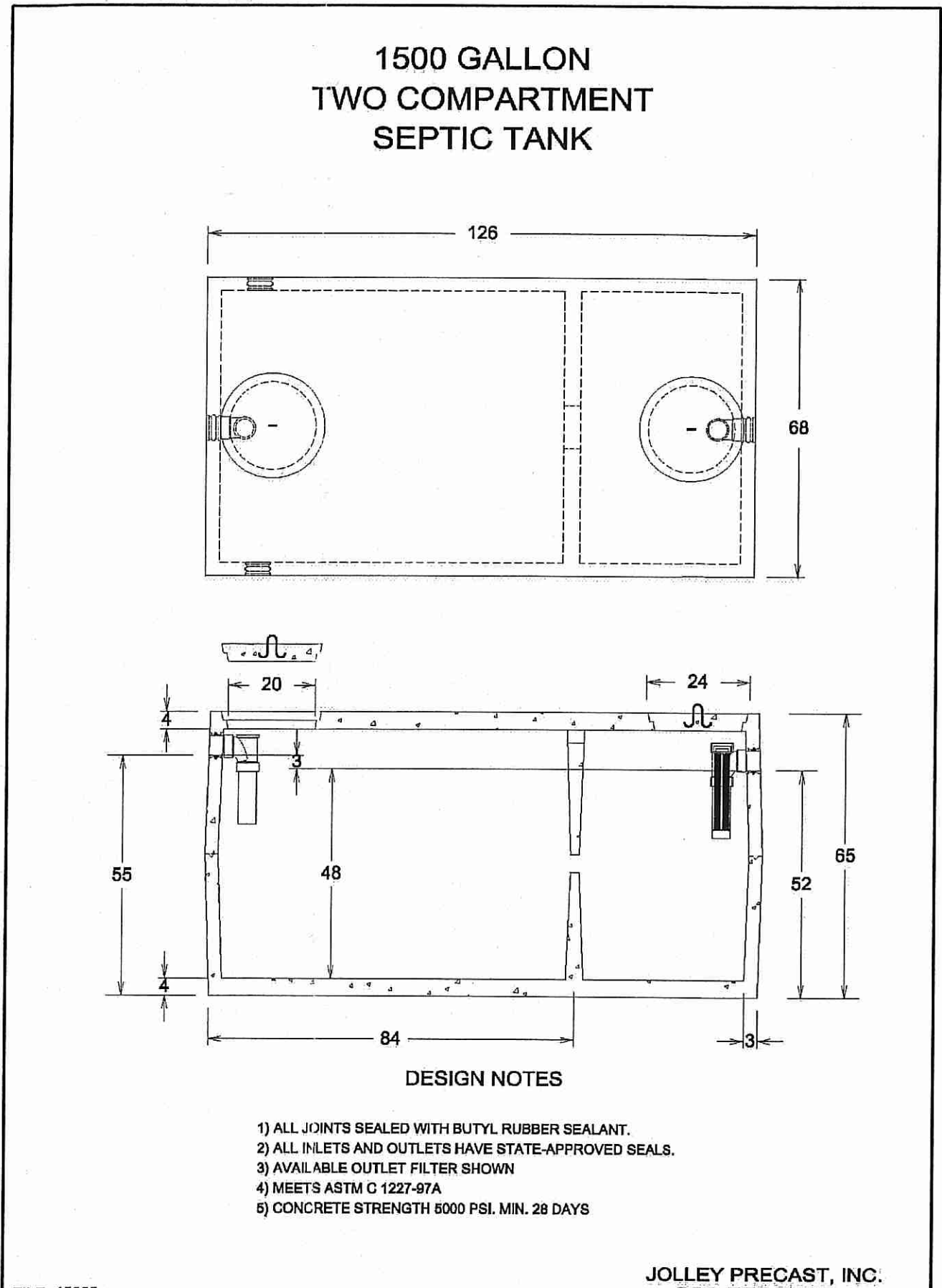
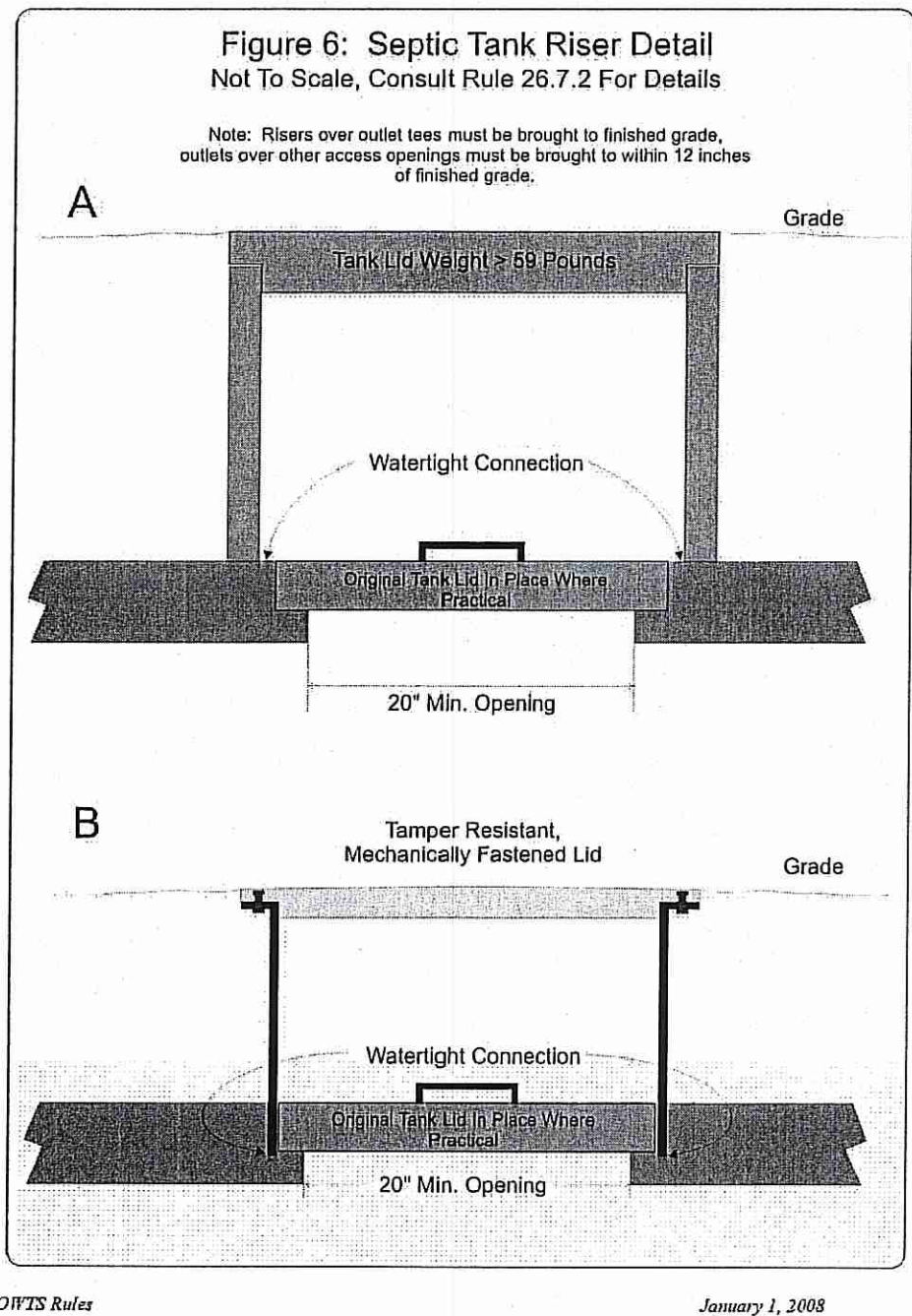
O.W.T.S. DESIGN DATA

4 BEDROOM NEW CONSTRUCTION	115 GALLONS/BEDROOM = 460 GALLONS/DAY
SOIL CATEGORY	= 4
APPLICATION RATE	= 0.81 GAL/SF/DAY
AREA REQUIRED	= 460 GPD / .81 G/SF/DAY = 754 S.F.
BOTTOM AREA PROVIDED PER IN-DRAIN UNIT	= 28 S.F. / IN-DRAIN
UNITS REQUIRED	= 754 S.F./28 S.F./UNIT = 27 UNITS
UNITS PROVIDED	= 28 UNITS
TOTAL AREA PROVIDED	= 784 S.F.

INVERT SCHEDULE

DESIGN POINT	EL. 98.3
DESIGN ELEVATION (SHWT)	EL. 94.3
TOP OF FOUNDATION (I.O.F)	EL. 102.5
BLD INV. OUT	EL. 99.7
TOP OF TANK	EL. 100.6
SEPTIC TANK IN	EL. 99.77
SEPTIC TANK OUT	EL. 99.52
D-BOX IN	EL. 99.05
D-BOX OUT	EL. 99.05
ELEN INVERT	EL. 98.88
ELEN BOTTOM	EL. 98.3
BOTTOM OF SAND	EL. 97.8

⊗ = Required buffer zone marker per wetland permit condition #11.
+ Required photos for wetland permit condition #15. 10 bedroom acupuncturist, 3-4 in height.



- ONSITE WASTEWATER TREATMENT SYSTEM NOTES:**
- ALL OTHER DESIGN, CONSTRUCTION AND MAINTENANCE REQUIREMENTS, WHETHER NOTED HEREON, OR NOT, SHALL BE IN CONFORMANCE WITH RULES ESTABLISHING MINIMUM STANDARDS RELATING TO LOCATION, DESIGN, CONSTRUCTION AND MAINTENANCE OF ONSITE WASTEWATER TREATMENT SYSTEMS, JULY 16, 2014, BY THE R.I. DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, AUTHORITY: CHAPTER 42-35 PURSUANT TO CHAPTERS 42-17.1, 5-56, 5-56.1, 23-19.5, 23-24.3, 46-13.2 AND 23-19.15 OF THE RHODE ISLAND GENERAL LAWS OF 1956 AS AMENDED.
 - COMPLY WITH ANY ADDITIONAL TERMS OF APPROVAL AS MAY BE REQUIRED BY R.I.D.E.M.
 - MAINTAIN INVERT ELEVATION 98.88 FOR 10 FEET AROUND THE SYSTEM.
 - CLEAR ALL TREES, STUMPS, AND BRUSH WITHIN 10 FEET OF THE SYSTEM.
 - THERE SHALL BE NO SUBSURFACE, FOUNDATION, OR STORM DRAINS WITHIN 25 FEET OF THE PROPOSED SYSTEM.
 - ALL PIPE SHALL BE SCHEDULE SDR 35 OR EQUIVALENT, 4 INCH DIAMETER UNLESS OTHERWISE NOTED.
 - THE SOIL BETWEEN DISPOSAL TRENCHES SHALL REMAIN UNDISTURBED. THE TRENCHES SHALL BE EXCAVATED TO ELEVATION 102.10.
 - THERE ARE NO OTHER KNOWN PUBLIC WELLS, EXISTING OR PROPOSED, WITHIN 500 FEET OF THE PROPOSED SYSTEM, OTHER THAN THOSE SHOWN.
 - THERE ARE NO OTHER KNOWN WELLS, EXISTING OR PROPOSED, WITHIN 200 FEET OF THE PROPOSED O.W.T.S. NOR ARE THERE ANY OTHER O.W.T.S.'S, EXISTING OR PROPOSED, WITHIN 100 FEET OF THE PROPOSED WELL, EXCEPT AS NOTED.
 - THE SEPTIC TANK SHALL HAVE AN INLET TEE OR BAFFLE AND AN OUTLET TEE.
 - THE DISTRIBUTION BOX SHALL HAVE A MINIMUM BOTTOM AREA OF 3 SQUARE FEET.
 - THE SURFACE AREA OVER THE O.W.T.S. SHALL BE GRASSED; NO VEHICULAR PARKING OR TRAFFIC SHALL BE ALLOWED OVER THE SYSTEM.

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 www.illstoneeng.com

PLAN of PROPOSED ON-SITE WASTEWATER TREATMENT SYSTEM - NEW CONSTRUCTION

SITE PLAN

A.P. 49, LOT 148
 WRENTHAM ROAD
 CUMBERLAND, RI

PREPARED FOR:
 PATRICIA C. BLAIS

SCALE: 1" = 40'
 FEBRUARY 2015

Drawn By: BJC / JCH
 Checked By: JCH

Sheet
1
 of 2

FILE NO.: 15.038.289

GENERAL CONSTRUCTION NOTES:

- THE STATE OF RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE AND THE RHODE ISLAND STANDARD DETAILS CONSTRUCTION, 2004 EDITION, ARE MADE A PART HEREOF AS FULLY AND COMPLETELY AS IF ATTACHED HERETO. THE 2004 REVISION OF THE STANDARD SPECIFICATIONS MAY BE OBTAINED AT THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION, DIVISION OF PUBLIC WORKS. IN ADDITION, THE TOWN OF JAMESTOWN STANDARD SPECIFICATIONS ARE MADE A PART HEREOF AS FULLY AND COMPLETELY AS IF ATTACHED HERETO.
- ALL REQUIRED SITE IMPROVEMENTS SHALL BE INSPECTED BY THE TOWN ENGINEER TO ENSURE SATISFACTORY COMPLETION. IN NO CASE SHALL THE INSTALLATION OF ANY IMPROVEMENTS BE STARTED UNTIL PRIOR NOTIFICATION IS GIVEN TO THE TOWN ENGINEER. AT LEAST A 48-HOUR NOTICE SHALL BE GIVEN TO THE TOWN ENGINEER PRIOR TO ANY SUCH START OF CONSTRUCTION. A FINAL INSPECTION OF ALL SITE IMPROVEMENTS, UTILITIES AND GRADING WILL BE MADE TO DETERMINE WHETHER THE WORK IS SATISFACTORY AND IN SUBSTANTIAL AGREEMENT WITH THE APPROVED FINAL CONSTRUCTION DRAWING AND THE TOWN SPECIFICATIONS.
- LOCATION AND DEPTH OF EXISTING UTILITIES ARE APPROXIMATE AND HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL CHECK AND VERIFY LOCATIONS OF ALL EXISTING UTILITIES BOTH UNDERGROUND AND OVERHEAD. ANY DAMAGE TO EXISTING UTILITIES AS SHOWN OR NOT SHOWN ON THE PLANS SHALL BE THE CONTRACTOR'S RESPONSIBILITY. COSTS OF SUCH DAMAGE SHALL BE BORNE BY THE CONTRACTOR. NO EXCAVATION SHALL BE DONE UNTIL ALL INVOLVED UTILITY COMPANIES ARE NOTIFIED 72-HOURS IN ADVANCE. THE CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY DIG-SAFE (1-888-344-7233) A MINIMUM OF 72 WORKING HOURS, EXCLUDING WEEKENDS AND HOLIDAYS, PRIOR TO THE START OF ANY EXCAVATION AND/OR BLASTING WORK. THE NAME OF THE COMPANY PERFORMING THE EXCAVATION AND/OR BLASTING WORK MUST BE SUPPLIED TO DIG-SAFE, IF IT IS DIFFERENT FROM THE CALLER.
- IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO OBTAIN ANY AND ALL PERMITS REQUIRED BY THE STATE OF RHODE ISLAND, FEDERAL GOVERNMENT AND THE TOWN OF CUMBERLAND PRIOR TO COMMENCING ANY WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL TEMPORARY SEDIMENTATION AND EROSION CONTROLS.
- STOCKPILES OF EARTH MATERIALS SHALL NOT BE LOCATED NEAR WATERWAYS, WETLAND, OR ADJACENT TO DRAINAGE STRUCTURES.
- ALL MATERIAL FOR FILL SHALL BE CLEAN AND FREE OF WATER WHICH COULD POLLUTE ANY DOWN STREAM WATERCOURSE.
- FILL MATERIAL SHALL BE COMPACTED IN ONE FOOT (MAXIMUM) LIFTS TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED IN ACCORDANCE WITH ASTM D-1557 (MODIFIED PROCTOR TEST).
- WORK SHOWN ON THE PLANS FOR WHICH THERE ARE NO PARTICULAR DETAILS OR SPECIFICATIONS DOES NOT RELIEVE THE CONTRACTOR FROM FINISHING AND INSTALLING THE WORK. THE CONTRACTOR SHALL THOROUGHLY EXAMINE THE CONTRACT DOCUMENTS AND PLANS AND INSPECT THE SITE, AND THE BID PRICE SHALL INCLUDE ALL SERVICES AND MATERIALS AS NECESSARY TO COMPLETE THE PROJECT.
- ANY CHANGES TO THE PROJECT OR THE INSTALLATION OF AN ITEM FOR WHICH NO PARTICULAR DETAIL OR SPECIFICATION WAS PROVIDED MUST BE REVIEWED BY AND ACCEPTABLE TO THE ENGINEER.

EROSION CONTROL AND SOIL STABILIZATION NOTES:

- EXTREME CARE SHALL BE EXERCISED SO AS TO PREVENT ANY UNSUITABLE MATERIAL FROM ENTERING DOWNSTREAM WATERCOURSES AND STORMWATER DRAINAGE SYSTEMS.
- DURING CONSTRUCTION, THE CONTRACTOR AND/OR DEVELOPER SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUN-OFF FLOW DURING STORMS AND PERIODS OF RAINFALL.
- SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED CLOSELY AND MAINTAINED PROMPTLY AFTER EACH RAINFALL.
- BANKS OR SLOPES OVER 5% SHALL BE SEEDED AS SOON AS POSSIBLE AND SHALL BE PROTECTED WITH A HAY, STRAW OR FIBER MULCH.
- CARE SHALL BE TAKEN SO AS NOT TO PLACE "REMOVED SEDIMENTS" WITHIN THE PATH OF EXISTING, NEWLY CREATED (BOTH TEMPORARY AND PERMANENT) OR PROPOSED WATERCOURSES OR THOSE AREAS SUBJECTED TO STORMWATER FLOWAGE.
- ADDITIONAL HAYBALES OR SANDBAGS SHALL BE LOCATED AS CONDITIONS WARRANT OR AS DIRECTED BY THE ENGINEER.
- EROSION AND SEDIMENTATION CONTROLS SHALL BE INSTALLED AT THE SITE PRIOR TO THE START OF CONSTRUCTION AND BE PROPERLY MAINTAINED UNTIL ALL DISTURBED AREAS ARE STABILIZED INCLUDING:
 - THE INSTALLATION OF A CONTINUOUS LINE OF STAKED SILT SOCKS OR SILT FENCE IN ALL LOCATIONS SHOWN ON THE APPROVED SITE PLANS AND WHERE OTHERWISE NECESSARY TO PREVENT SEDIMENTS FROM ENTERING DOWNSTREAM WATERCOURSES AND STORMWATER DRAINAGE SYSTEMS.
 - ALL DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED WITH APPROVED GROUND COVER PRIOR TO THE COMPLETION OF THE PROJECT. AREAS EXPOSED FOR EXTENDED PERIODS ARE TO BE COMPLETELY COVERED WITH SPREAD HAY MULCH.
 - CUTFILLS SHALL BE PROTECTED BY HAYBALE FILTERS UNTIL DISTURBED AREAS ARE PERMANENTLY STABILIZED WITH APPROVED GROUND COVER.
 - ALL CONTROL MEASURES SHALL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
- THE LIMITS OF ALL CLEARING, GRADING AND DISTURBANCE SHALL BE KEPT TO A MINIMUM WITHIN THE PROPOSED AREA OF CONSTRUCTION. ALL AREAS OUTSIDE OF THE LIMITS OF DISTURBANCE SHALL REMAIN TOTALLY UNDISTURBED.
- REFERENCE THE "R.I. SOIL EROSION AND SEDIMENT CONTROL HANDBOOK" PREPARED BY THE U.S. DEPT. OF AGRICULTURE, SOIL CONSERVATION SERVICE, 1989, AS A GUIDE.

EROSION CONTROL AND SOIL STABILIZATION PROGRAM:

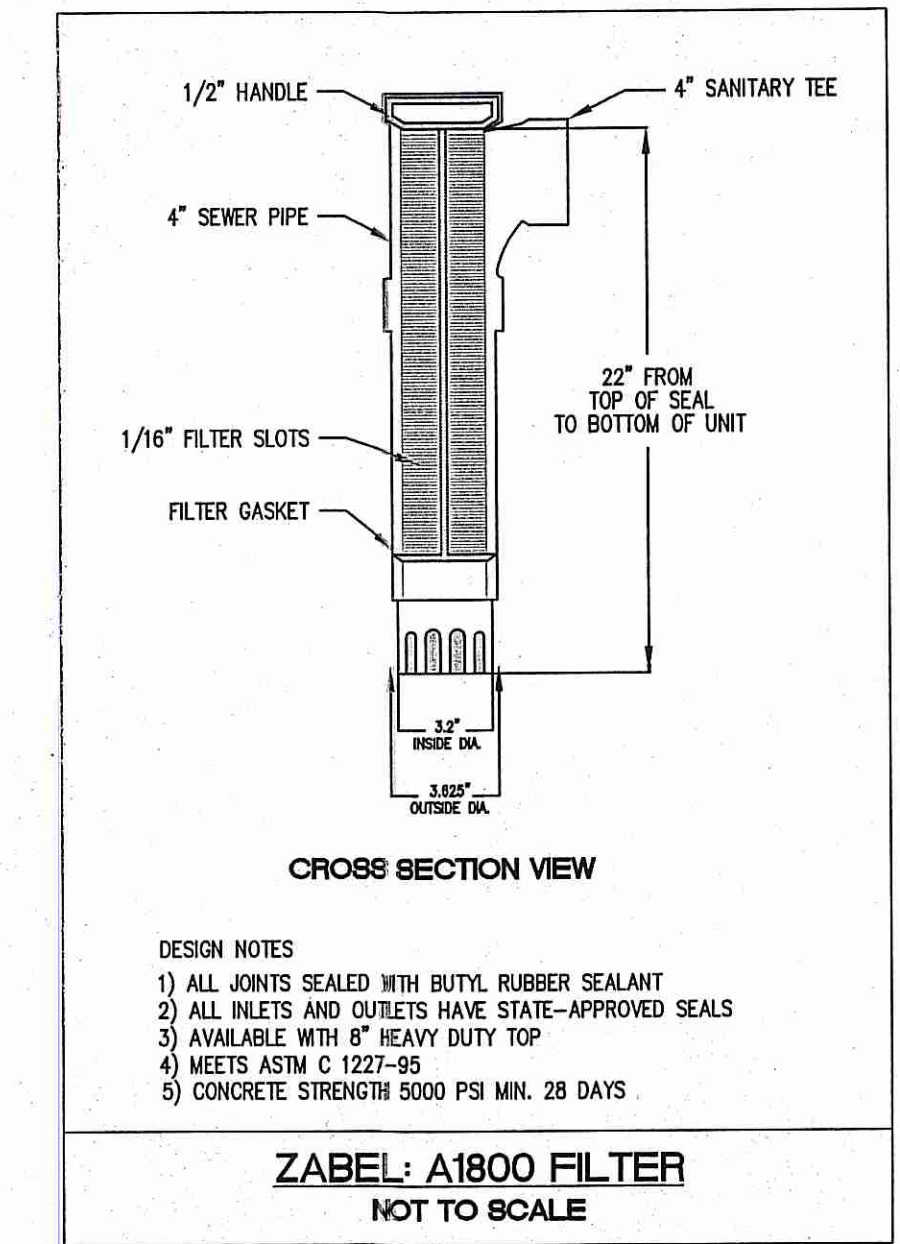
- DEMUDED SLOPES SHALL NOT BE LEFT EXPOSED FOR EXCESSIVE PERIODS OF TIME, SUCH AS THE INACTIVE WINTER SEASONS.
- TEMPORARY TREATMENTS SHALL CONSIST OF HAY, STRAW, FIBER MULCH OR PROTECTIVE COVERS SUCH AS A MAT OR FIBER LINING (BURLAP, JUTE, FIBERGLASS NETTING, EXCELSIOR BLANKETS). THEY SHALL BE INCORPORATED INTO THE WORK AS WARRANTED OR AS ORDERED BY THE ENGINEER.
- HAY OR STRAW APPLICATIONS SHOULD BE IN THE AMOUNT OF 2000 LBS/ACRE.
- ALL HAYBALES OR TEMPORARY PROTECTION SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS, RIP-RAP OR APPROVED GROUND COVER IS ESTABLISHED.
- THE TOPSOIL SHALL HAVE A SANDY LOAM TEXTURE RELATIVELY FREE OF SUBSOIL MATERIAL, STONES, ROOTS, LUMPS OF SOIL, TREE LIMBS, TRASH OR CONSTRUCTION DEBRIS AND SHALL CONFORM WITH RHODE ISLAND STANDARD SPECIFICATION M.18.02.
- THE SEED MIX SHALL BE INOCULATED WITHIN 24-HOURS BEFORE MIXING AND PLANTING, WITH APPROPRIATE INOCULUM FOR EACH VARIETY.
- THE DESIGN MIX UTILIZED IN ALL DISTURBED AREAS TO BE SEEDING SHALL BE COMPRISED OF THE FOLLOWING:

TYPE	% BY WEIGHT
CREeping RED FESCUE	70
ASTORIA BENTGRASS	5
BIRDFOOT TREFOIL	15
PERENNIAL RYEGRASS	10
APPLICATION RATE	100 LBS/ACRE

 LIMING AND FERTILIZING AS REQUIRED TO COMPLIMENT OR UPGRADE EXISTING CONDITIONS.
- THE CONTRACTOR MUST REPAIR AND/OR RESEED ANY AREAS THAT DO NOT DEVELOP WITHIN THE PERIOD OF ONE YEAR, AND SHALL DO SO AT NO ADDITIONAL EXPENSE.
- THE NORMAL ACCEPTABLE SEASONAL SEEDING DATES ARE APRIL 1ST THROUGH OCTOBER 15TH.
- STABILIZATION OF ONE FORM OR ANOTHER AS DESCRIBED ABOVE SHALL BE ACHIEVED WITHIN FIFTEEN (15) DAYS OF FINAL GRADING.
- STOCKPILES OF TOPSOIL AND EARTH MATERIALS SHALL NOT BE LOCATED NEAR WATERWAYS. THEY SHALL HAVE SIDE SLOPES NO GREATER THAN THIRTY PERCENT (30%), SHALL ALSO BE SEEDING AND/OR STABILIZED AND SHALL BE COMPLETELY ENCLOSED WITH STAKED SILT SOCK AND/OR SILT FENCE (SEE DETAIL).
- ON BOTH STEEP AND LONG SLOPES, CONSIDERATION SHOULD BE GIVEN TO "CRIMPING" OR "TRACKING" TO TACK DOWN MULCH APPLICATIONS.
- TREES TO BE RETAINED SHALL BE FENCED OR ROPED OFF TO PROTECT THEM FROM CONSTRUCTION EQUIPMENT.
- ALL PROPOSED PLANTINGS AND PLACEMENT OF RIP-RAP MUST BE ACCOMPLISHED AS EARLY AS POSSIBLE UPON COMPLETION OF GRADING AND CONSTRUCTION, AND AT LEAST PRIOR TO ANY ON-SITE OCCUPANCY.
- ALL DISTURBED AREAS MUST BE SEEDING, PLANTED OR RIP-RAPPED WITHIN THE CONSTRUCTION SEASON.
- TEMPORARY SEEDING MUST BE COMPLETED WITHIN ONE (1) MONTH AFTER DISTURBANCE.
- ALL DISTURBED AREAS MUST BE PERMANENTLY SEEDING, PLANTED OR RIP-RAPPED BEFORE OCTOBER 1ST, IF NOT THEY MUST BE TEMPORARILY SEEDING.

BMP MAINTENANCE PROGRAM:

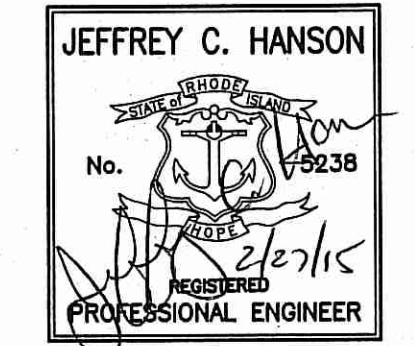
- VEGETATION MUST BE ESTABLISHED ON THE CONTRIBUTING AREAS BEFORE RUNOFF CAN BE ACCEPTED INTO THE ORGANIC FILTER.
- ORGANIC FILTERS SHALL BE INSPECTED FOLLOWING AT LEAST THE FIRST TWO PRECIPITATION EVENTS OF AT LEAST 1.0 INCH TO ENSURE THAT THE SYSTEM IS FUNCTIONING PROPERLY. THEREAFTER, THE ORGANIC FILTER SHALL BE MONITORED AND MAINTAINED TO ASSURE PROPER FUNCTIONING, GRASS GROWTH AND SURVIVAL.
- TRASH AND DEBRIS SHALL BE REMOVED FROM THE SEDIMENT FOREBAY AND ORGANIC FILTER AS NECESSARY.
- SILT/SEDIMENT SHALL BE REMOVED FROM THE FOREBAY WHEN IT REACHES MORE THAN 12 INCHES IN DEPTH.
- PRUNING OR REPLACEMENT OF WOODY VEGETATION WITHIN THE SEDIMENT FOREBAY SHALL OCCUR WHEN DEAD OR DYING VEGETATION IS OBSERVED. VEGETATION SHALL BE LIMITED TO 18 INCHES.
- SILT/SEDIMENT SHALL BE REMOVED FROM THE FILTER BED WHEN IT REACHES 1 INCH IN DEPTH.
- GRASS PLANTED IN THE ORGANIC FILTER SHALL BE CAPABLE OF WITHSTANDING FREQUENT INUNDATION AND DROUGHT. REFER TO THE RHODE ISLAND STORMWATER DESIGN AND INSTALLATION STANDARDS MANUAL (APPENDIX B) AS AMENDED.
- GRASS COVER SHALL BE MOWED A MINIMUM OF THREE TIMES EACH GROWING SEASON TO MAINTAIN MAXIMUM GRASS HEIGHTS LESS THAN 12 INCHES.
- IF WATER PONDS ON THE FILTER BED FOR GREATER THAN 48 HOURS, THE FILTER MEDIA SHALL BE REMOVED AND REPLACED.
- SOIL EROSION GULLIES SHALL BE REPAIRED WHEN THEY OCCUR.
- FERTILIZER OR PESTICIDES SHALL NOT BE APPLIED TO PLANTS WITHIN ORGANIC FILTERS.
- ALL COSTS INCURRED FOR MAINTENANCE, CLEANING, AND INSPECTION ARE THE RESPONSIBILITY OF THE PROPERTY OWNER AND/OR RESPONSIBLE PARTY. IN CERTAIN CASES, THE APPROPRIATE DEM PROGRAM MAY REQUIRE DOCUMENTATION OF MAINTENANCE.
- ANY UNEXPECTED OR DELIBERATE DISCHARGE OF WASTE OIL OR ANY OTHER POLLUTANT TO THE STORMWATER DISPOSAL SYSTEM REQUIRES IMMEDIATE NOTIFICATION OF THE DEM OIL POLLUTION CONTROL PROGRAM AT 222-2284, AS PER OIL POLLUTION CONTROL REGULATIONS. DURING NON-WORKING HOURS, NOTIFICATION OF SPILLS CAN BE MADE TO THE DEM DIVISION OF ENFORCEMENT AT 222-3070, THE 24-HOUR EMERGENCY RESPONSE PHONE NUMBER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTION, MAINTENANCE AND REPAIR TO ALL DRAINAGE STRUCTURES AND RELATED APPURTENANCES ON THE SITE DURING CONSTRUCTION AND IMMEDIATELY FOLLOWING CONSTRUCTION UNTIL ACCEPTANCE BY THE ENGINEER, THE TOWN OF CUMBERLAND GREENWICH AND THE OWNER.
- FOLLOWING ACCEPTANCE, THE LONG-TERM MAINTENANCE SHALL BE THE RESPONSIBILITY OF THE OWNER UNTIL IT IS DEEDED OVER TO ANOTHER RESPONSIBLE ENTITY.



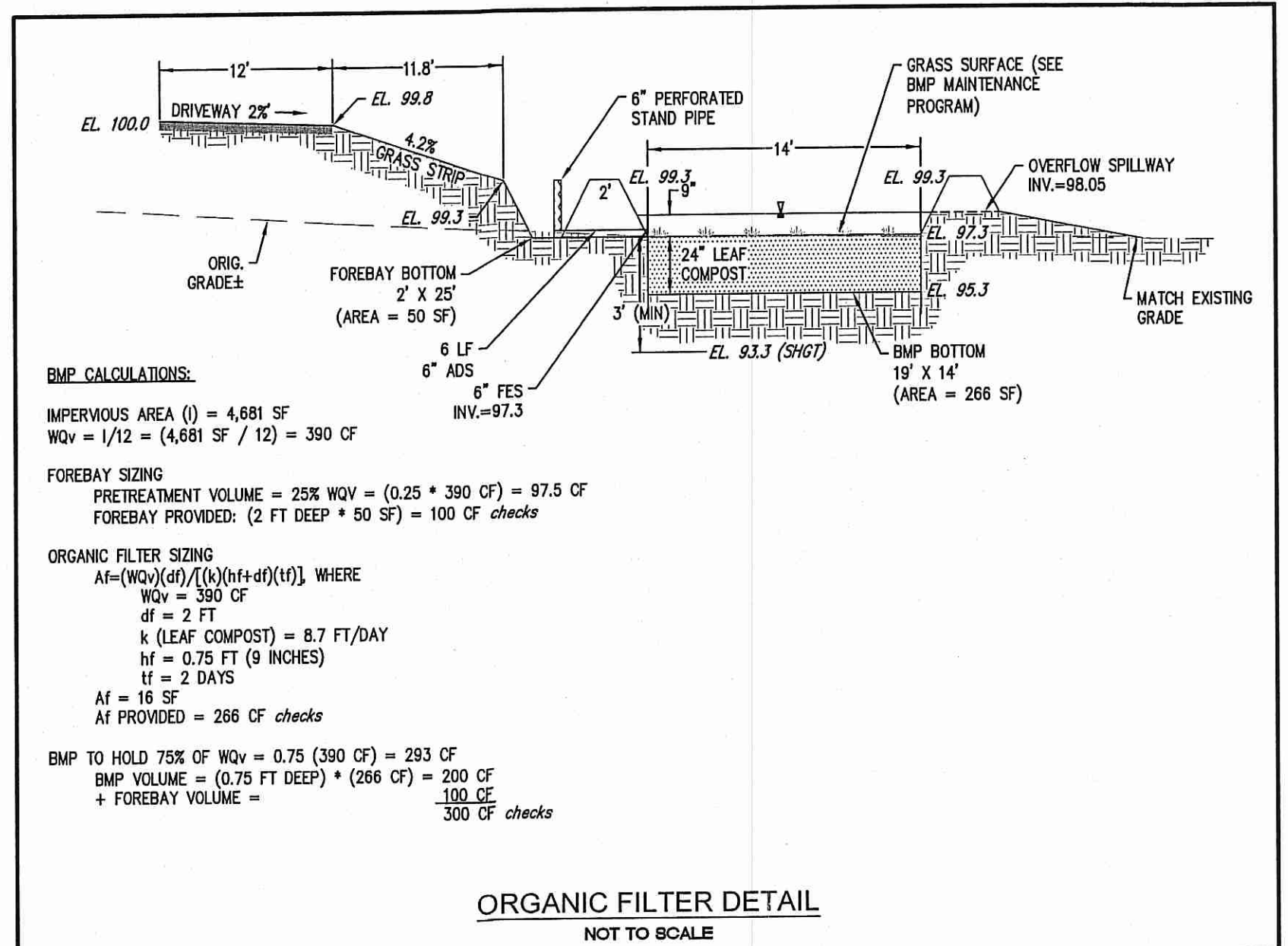
DESIGN NOTES:
 1) ALL JOINTS SEALED WITH BUTYL RUBBER SEALANT
 2) ALL INLETS AND OUTLETS HAVE STATE-APPROVED SEALS
 3) AVAILABLE WITH 8\"/>

ZABEL: A1800 FILTER
NOT TO SCALE

NO.	DATE	REVISION



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 CIVIL ENGINEERING • LAND PLANNING
 250 Centralville Road, Building E-12
 Warwick, Rhode Island 02886
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 www.IllstoneEng.com



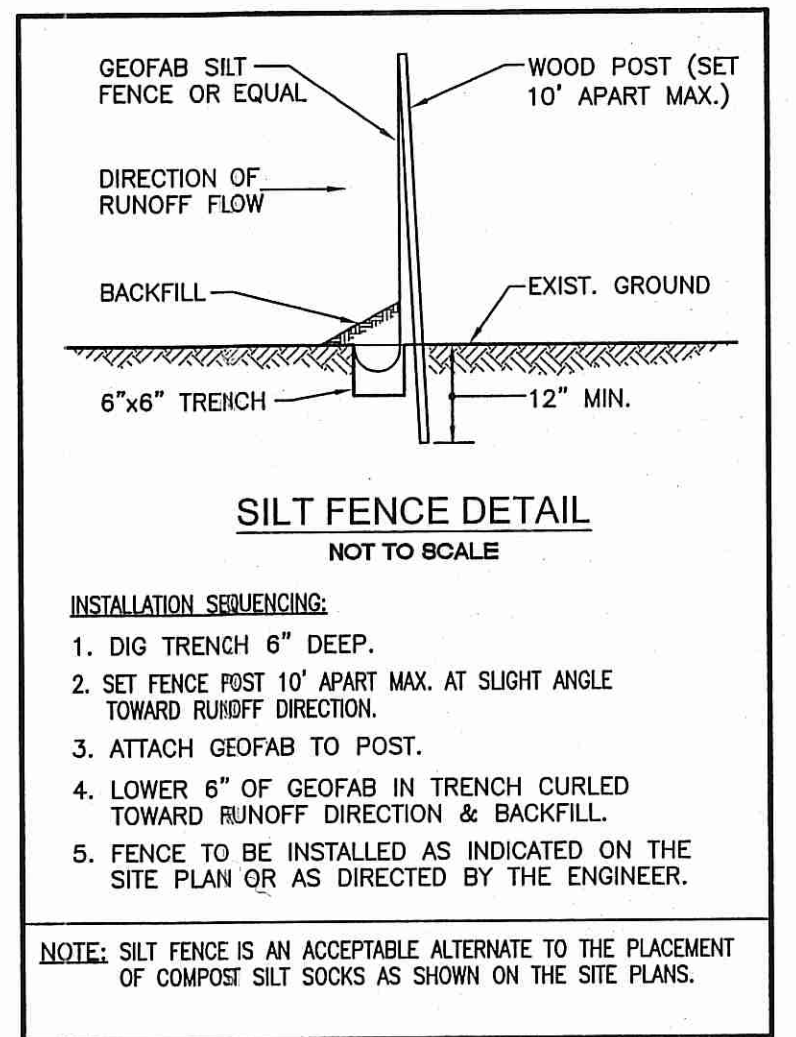
BMP CALCULATIONS:
 IMPERVIOUS AREA (I) = 4,681 SF
 $WQ_v = I/12 = (4,681 \text{ SF} / 12) = 390 \text{ CF}$

FOREBAY SIZING
 PRETREATMENT VOLUME = 25% WQV = $(0.25 \times 390 \text{ CF}) = 97.5 \text{ CF}$
 FOREBAY PROVIDED: $(2 \text{ FT DEEP} \times 50 \text{ SF}) = 100 \text{ CF checks}$

ORGANIC FILTER SIZING
 $A_f = (WQ_v \cdot df) / (k \cdot (h_f + df) \cdot (t))$ WHERE
 $WQ_v = 390 \text{ CF}$
 $df = 2 \text{ FT}$
 $k \text{ (LEAF COMPOST)} = 8.7 \text{ FT/DAY}$
 $h_f = 0.75 \text{ FT (9 INCHES)}$
 $t = 2 \text{ DAYS}$
 $A_f = 16 \text{ SF}$
 A_f PROVIDED = 266 CF checks

BMP TO HOLD 75% OF WQV = 0.75 (390 CF) = 293 CF
BMP VOLUME = (0.75 FT DEEP) * (266 CF) = 200 CF
+ FOREBAY VOLUME = 100 CF
300 CF checks

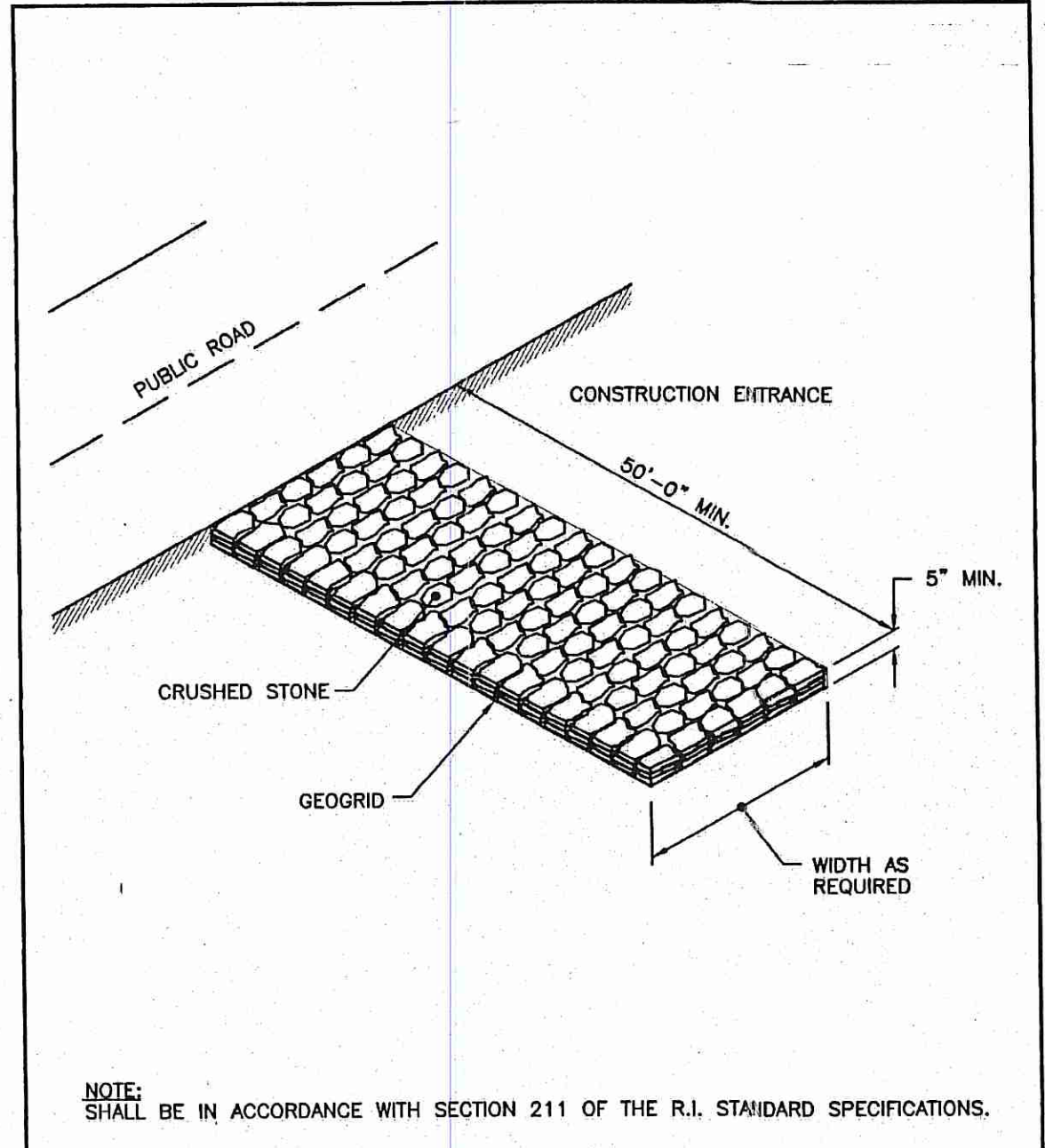
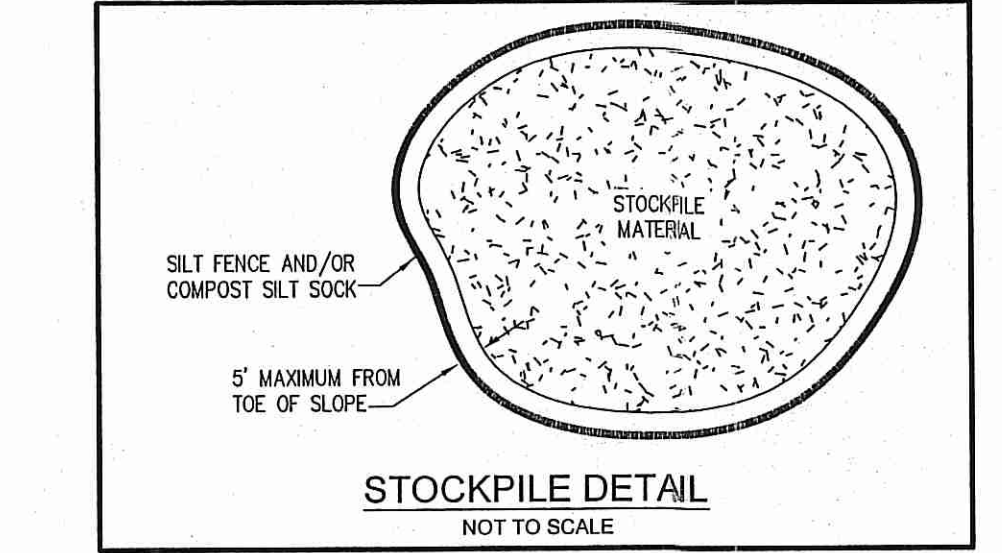
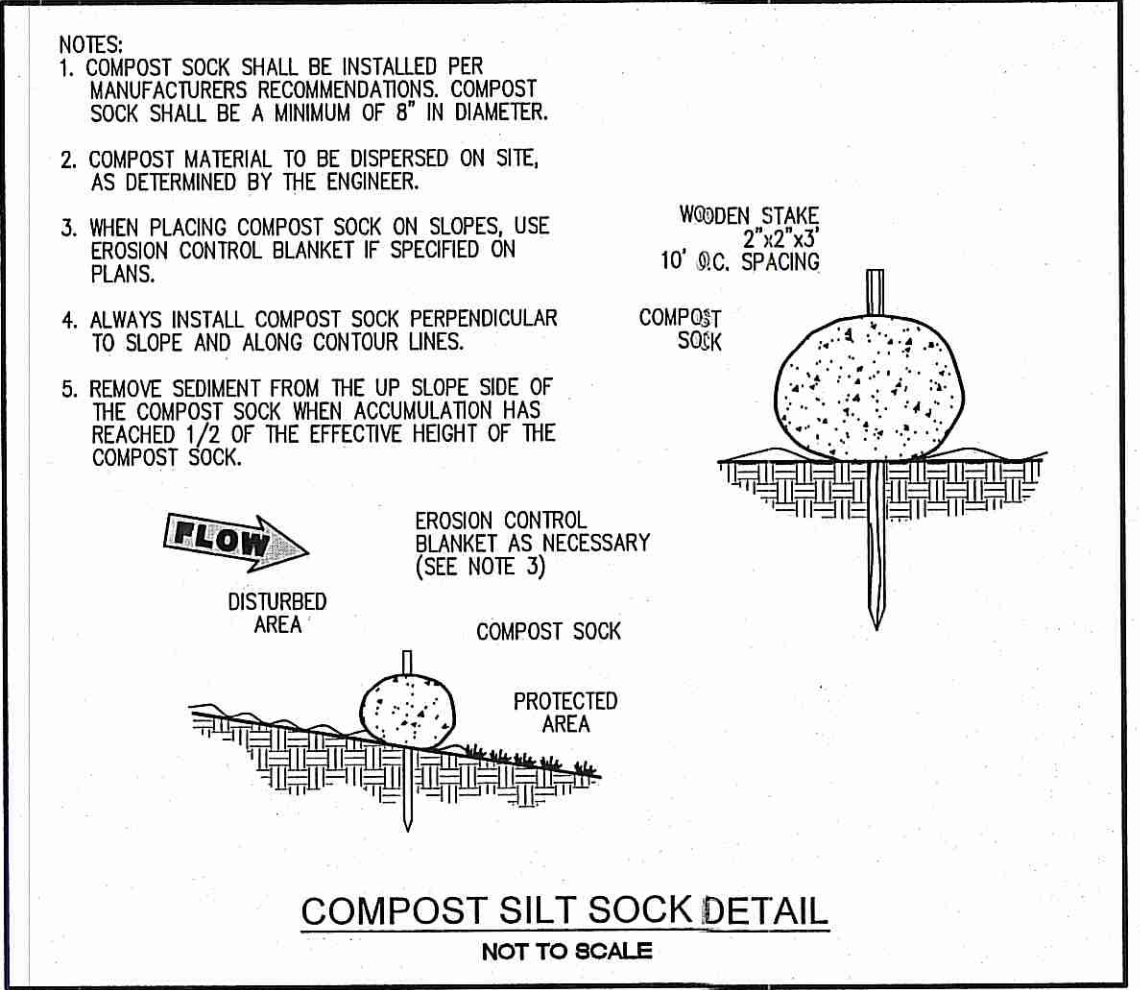
ORGANIC FILTER DETAIL
NOT TO SCALE



INSTALLATION SCHEDULE:

- DIG TRENCH 6\"/>

NOTE: SILT FENCE IS AN ACCEPTABLE ALTERNATE TO THE PLACEMENT OF COMPOST SILT SOCKS AS SHOWN ON THE SITE PLANS.



REVISIONS		
NO.	BY	DATE

R.I. STANDARD 9.9.0
 JUN 15, 1998
 ISSUE DATE

PLAN of PROPOSED ON-SITE WASTEWATER TREATMENT SYSTEM - NEW CONSTRUCTION

NOTES AND DETAILS

A.P. 49, LOT 148
 WRENTHAM ROAD
 CUMBERLAND, RI

PREPARED FOR:
 PATRICIA C. BLAIS

SCALE: 1" = 40'
 FEBRUARY 2015

Drawn By: BJC / JCH
 Checked By: JCH
 Sheet

2
 of 2

FILE NO.: 15.038.289