

TEST HOLE RESULTS

TEST HOLE # 1
 DATE OF TEST 7-12-16
 W.T. CARD # 1530-1453

SEE SITE INSPECTION REPORT

SOIL DESCRIPTION BY STRATA

WATER-TABLE 42"
 LEDGE AT +120"

TEST HOLE # 2
 DATE OF TEST 7-12-16
 W.T. CARD # 1530-1453

SEE SITE INSPECTION REPORT

SOIL DESCRIPTION BY STRATA

WATER TABLE 36'
 LEDGE AT +120'

PERCOLATION TEST

SOIL CATEGORY 3 & 6m PRESENT
 IN TESTHOLES

SOIL CATEGORY 3 = 0.70 MPI

SOIL CATEGORY 6m = 0.70 MPI

SOIL CATEGORY = MPI

DESIGN RATE = MPI = SF/BR/DAY

DESIGN DATA

3 BEDROOM DWELLING x 115

3 GAL/BR/DAY = 345 GAL/DAY /
0.70 GAL/SF/DAY = 493 SF REQUIRED

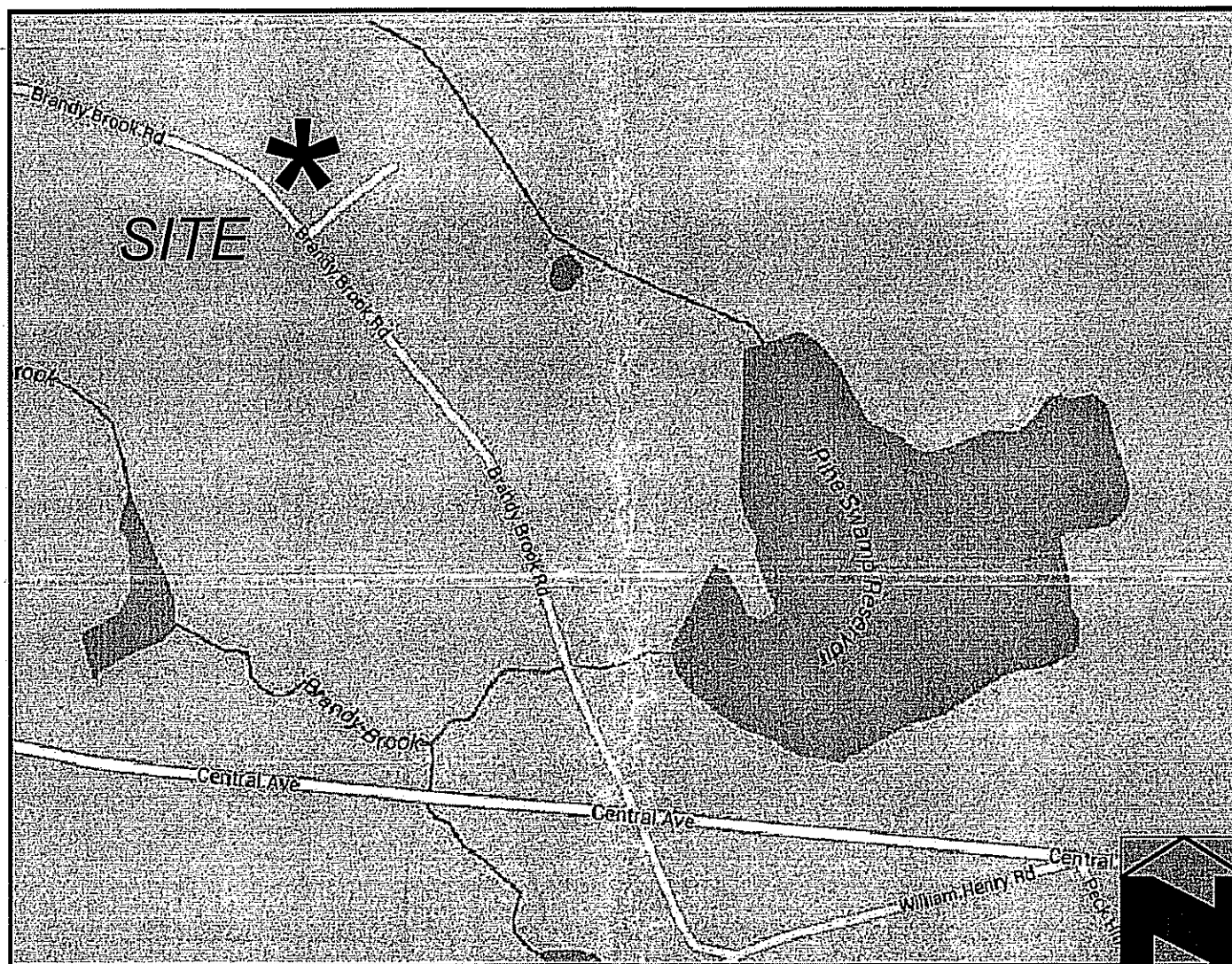
ELJEN UNIT = 28 SF/UNIT

18 ELJEN UNITS PROVIDED = 504 SF

TOTAL AREA OF SYSTEM = 504 SF > 493 SF REQUIRED

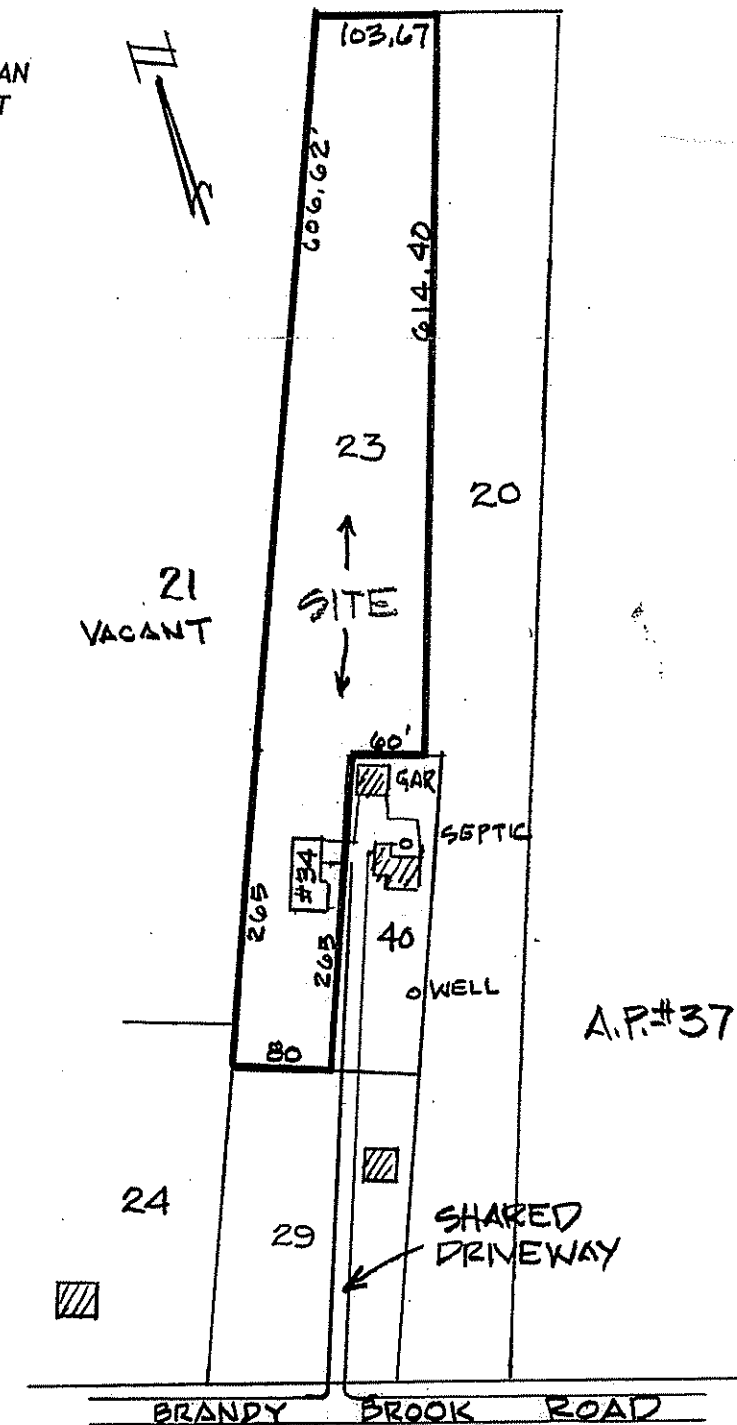
*** PLEASE NOTE :**

INSPECTIONS ARE REQUIRED, AND THE SYSTEM MUST BE INSTALLED AS DESIGNED. ANY CHANGES MAY REQUIRE EITHER AN AS-BUILT PLAN OR A RE-DESIGN APPLICATION TO BE REVIEWED AND APPROVED BY D.E.M./OWTS AT AN ADDITIONAL COST TO THE OWNER AND A POSSIBLE TIME DELAY.
 THE DESIGNER MUST RECEIVE ALL PURCHASE SLIPS OF COMPONENTS AND MATERIALS PRIOR TO SCHEDULING FINAL INSPECTIONS.



Locus Map

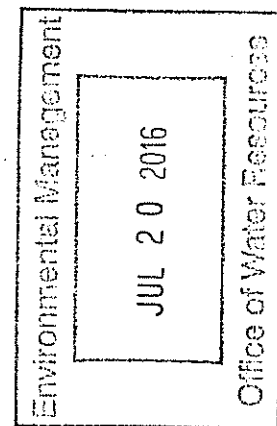
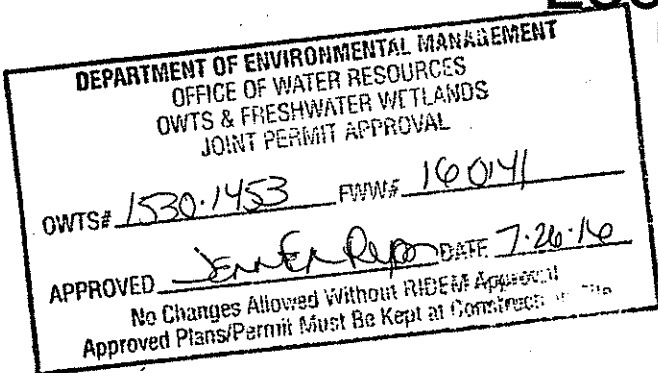
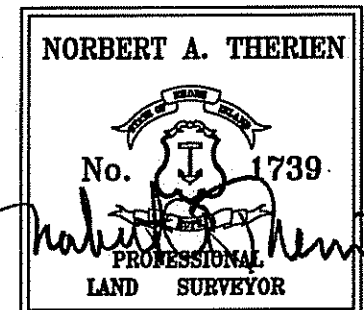
Not To Scale



LOCUS PLAN NTS #16 #17

ELJEN O.W.T.S.

JOINT SUBMISSION #1530-1453 & 16-0141
PAULA SGAMBATO
 ASSESSORS PLAT 37 LOT 23
 34 BRANDY BROOK ROAD
 SCITUATE, RHODE ISLAND
 MARCH 2016
 REV 7-13-16



JOINT SUBMISSION

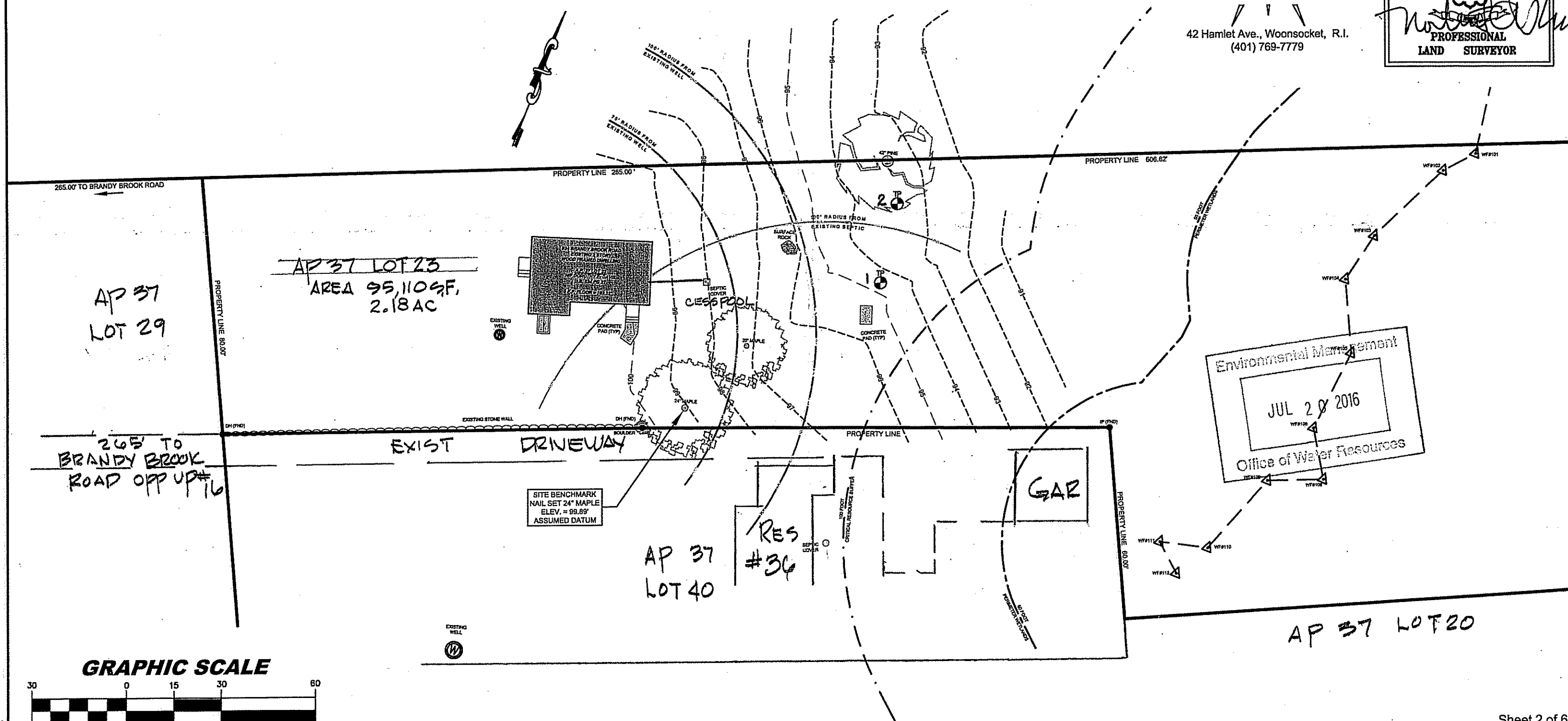
EXISTING CONDITIONS

PAULA SGAMBATO
 ASSESSORS PLAT 37 LOT 23
 34 BRANDY BROOK ROAD
 SCITUATE, RHODE ISLAND
 MARCH 2016

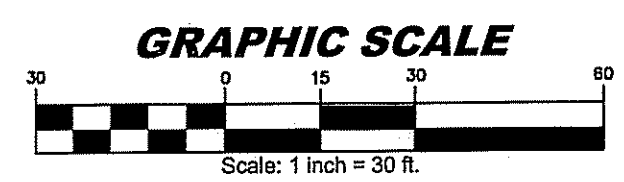
* COLLAPSE & FILL EXISTING CESSPOOL WITH CLEAN SOIL CONTAINING < 50% SILT & LOAM I.E. BANKRUG GRAVEL

NATIONAL
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NORBERT A. THERIEN
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 PROFESSIONAL
 LAND SURVEYOR

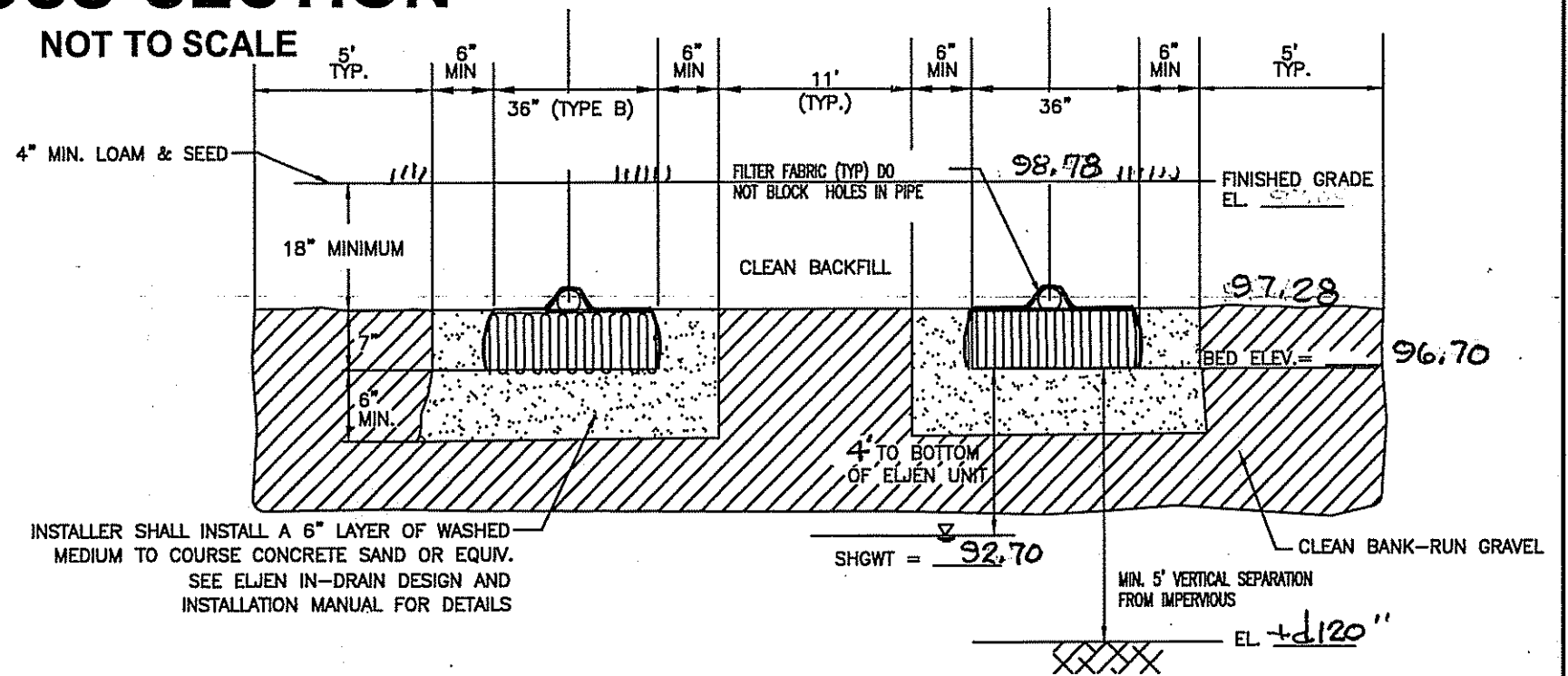
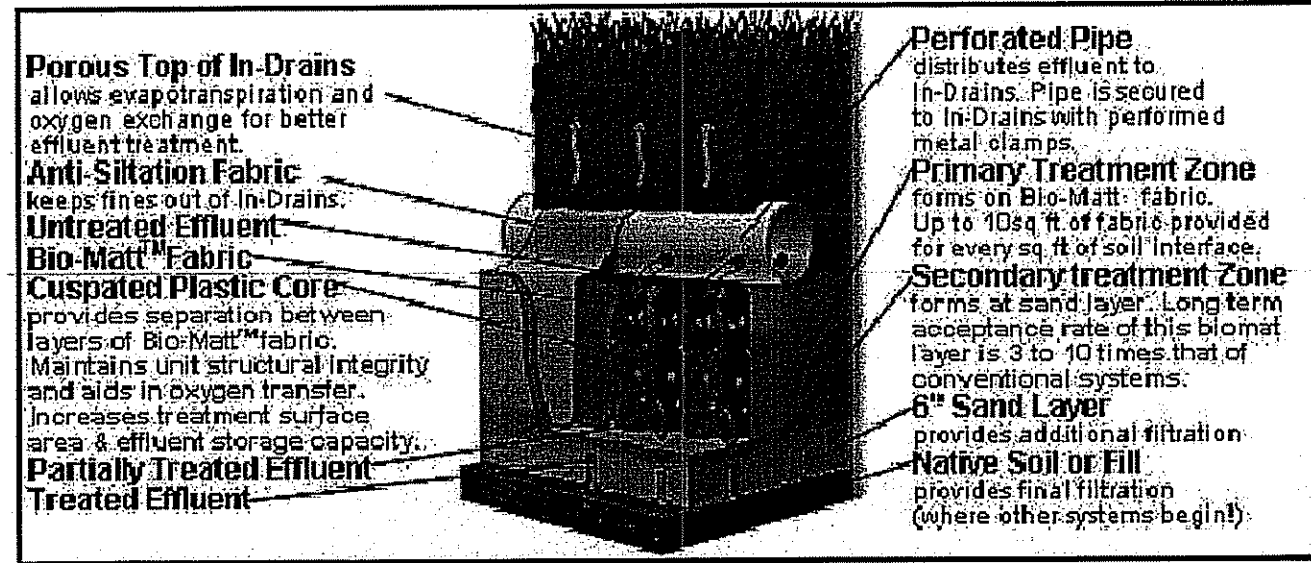


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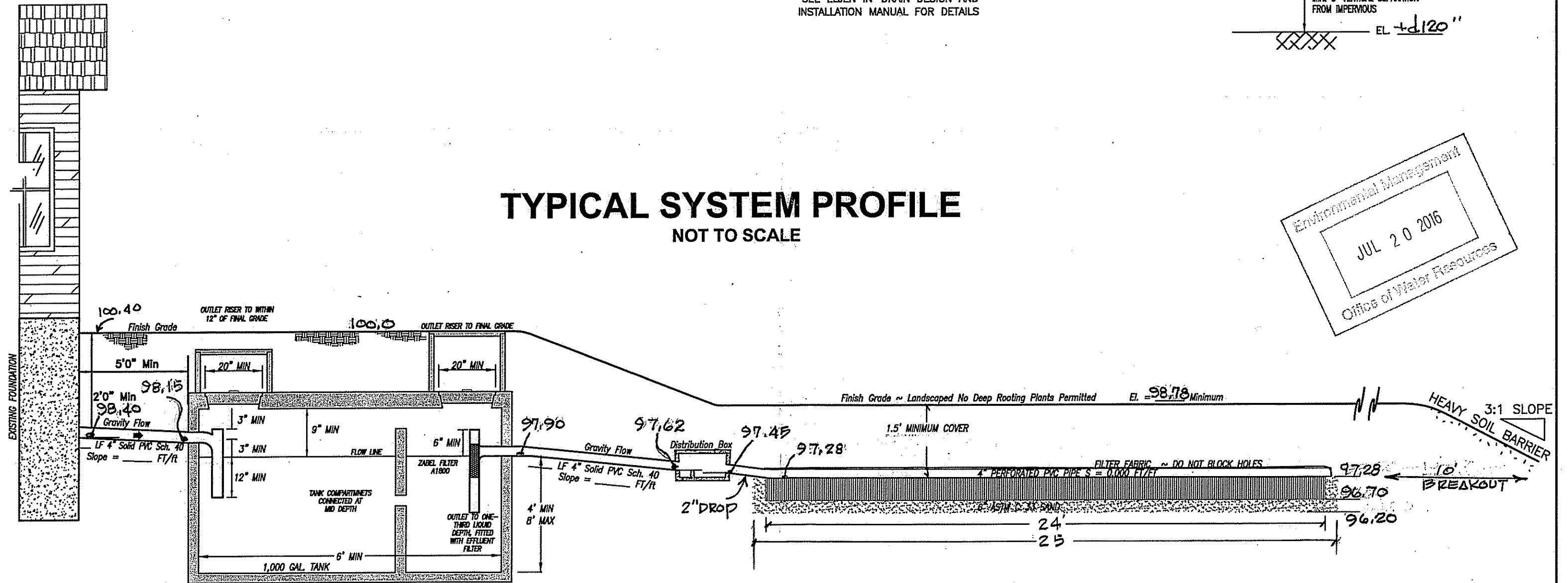
CROSS-SECTION

NOT TO SCALE



TYPICAL SYSTEM PROFILE

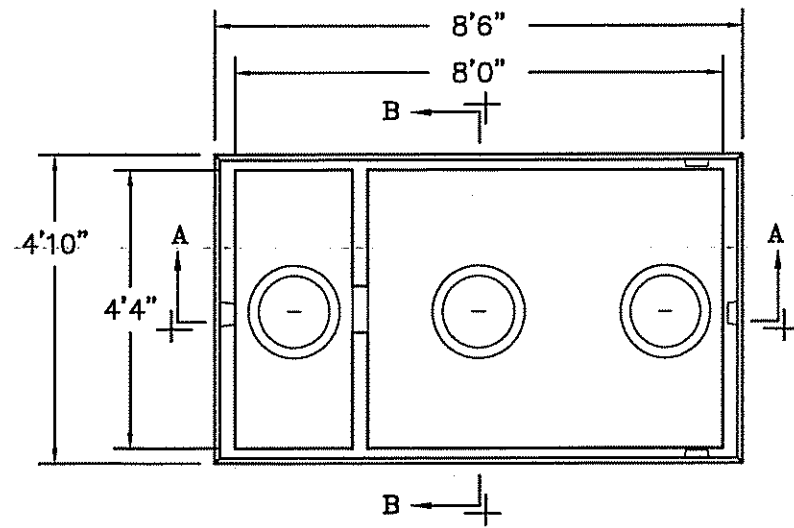
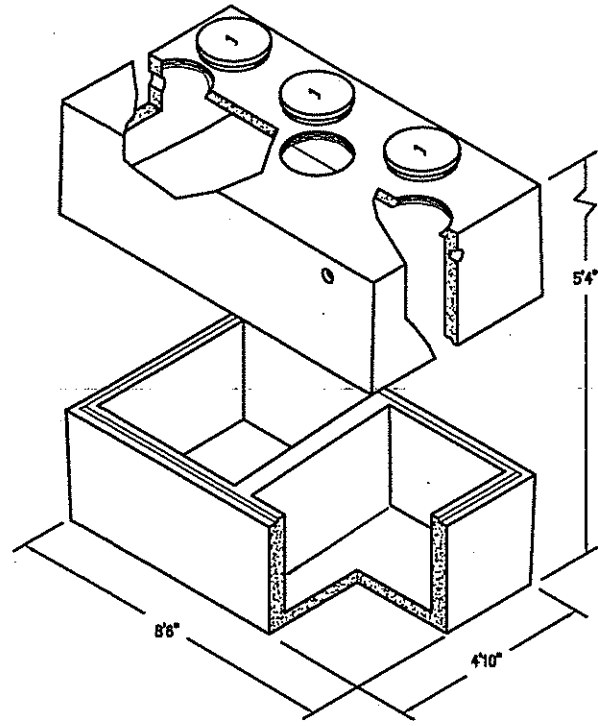
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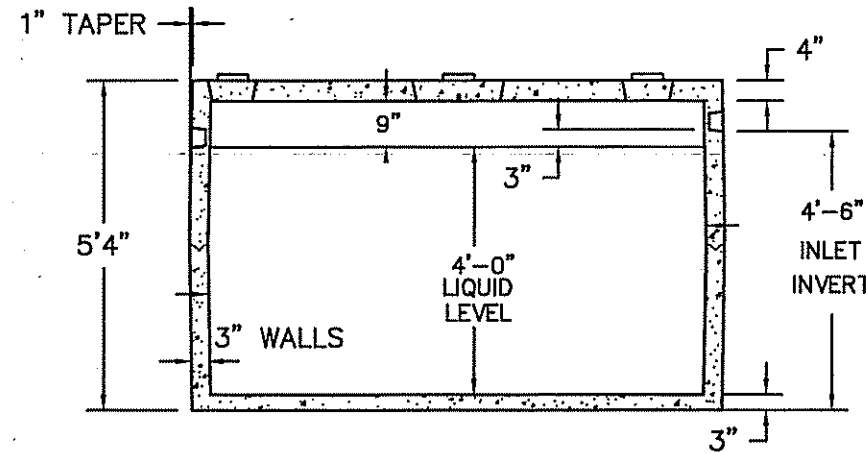
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1,000 GALLON SEPTIC TANK

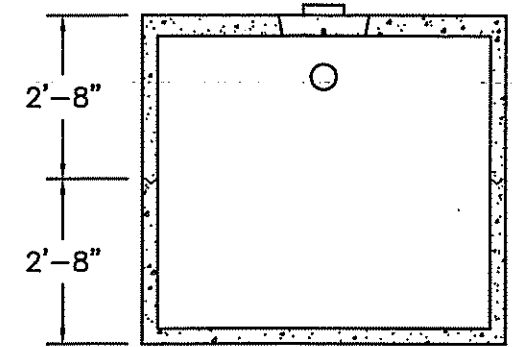
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PLAN VIEW



SECTION A-A

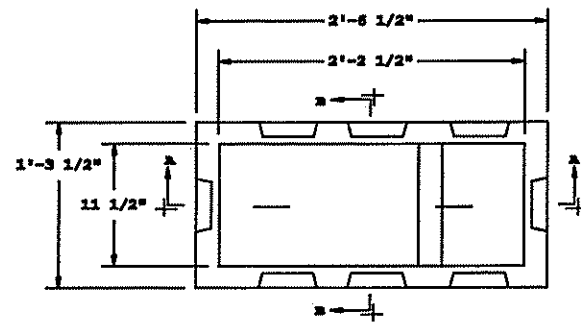
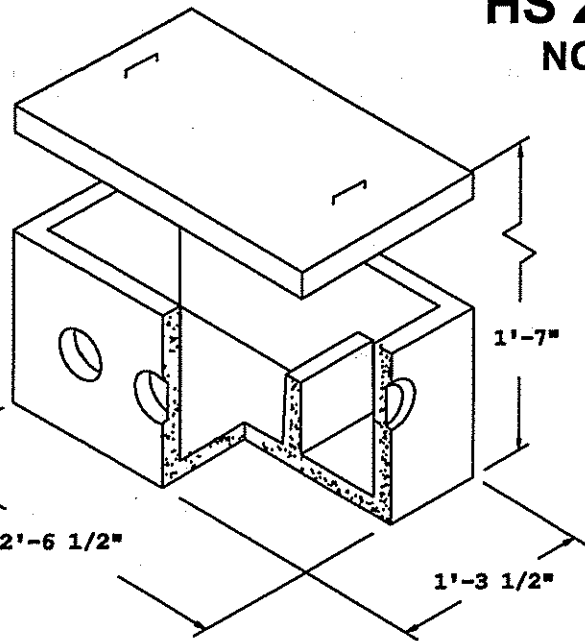


SECTION B-B

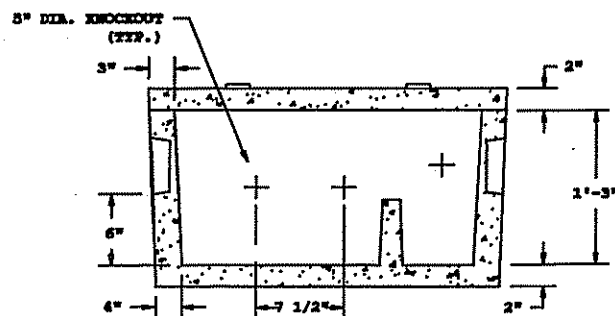
DISTRIBUTION BOX

HS 20 LOADING

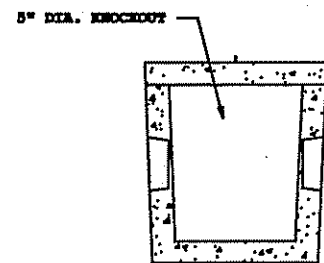
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PLAN VIEW



SECTION A-A

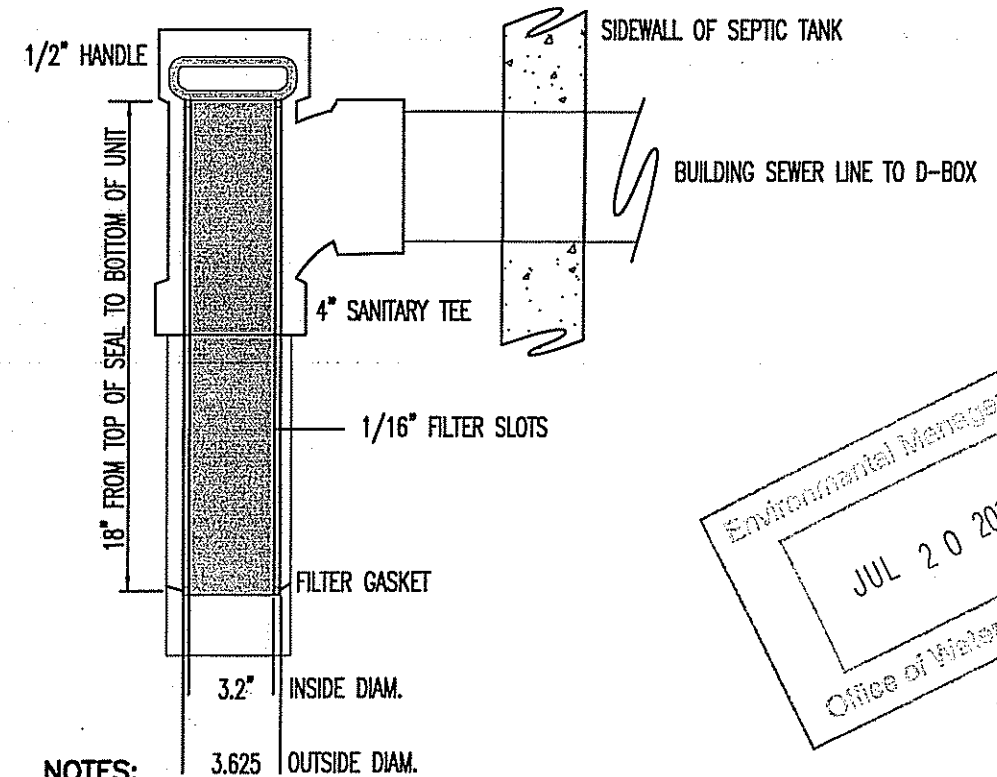


SECTION B-B

ZABEL FILTER

REQUIRED

NOT TO SCALE



NOTES:

- APPLICATION: SINGLE FAMILY HOME
- FLOW RATE: 800 GPD OR LESS
- INSTALLATION: A1800 FILTER CARTRIDGE WILL FIT INSIDE 4" SANITARY TEE USED AS SEPTIC TANK OUTLET BAFFLE. EXTEND SEWER PIPE MINIMUM 1-INCH BELOW FILTER GASKET.
- SERVICE: GRASP HANDLE AND REMOVE FROM SANITARY TEE. LIGHTLY HOSE OFF AND PROPERLY DISPOSE OF SOLIDS. CLEAN THE FILTER A MINIMUM OF ONCE ANNUALLY.

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O.W.T.S. NOTES

THIS DESIGN IS SUBMITTED TO RIDEM TO BE REVIEWED IN CONFORMANCE WITH ALL APPLICABLE REGULATIONS. CONSTRUCTION OF THIS SYSTEM WILL REQUIRE THE "DESIGNER'S CERTIFICATE OF CONSTRUCTION FOR ISDS".

ALL PIPES EXCEPT IN THE LEACHING FIELD SHALL BE SOLID 4 INCH DIAMETER SCHEDULE 40 WITH WATERTIGHT JOINTS OR EQUIVALENT.

ALL PIPES EXCEPT IN LEACHING FIELD SHALL HAVE A SLOPE NOT LESS THAN 1/8 INCH PER FEET BUT NO GREATER THAN 5%

SEPTIC TANK AND DISTRIBUTION BOX SHALL BE SET ON A LEVEL STABLE BASE THAT WILL NOT SETTLE.

~~DISTRIBUTION PIPES FOR A MINIMUM OF 2 FEET FROM DISTRIBUTION BOX TO THE FIRST SECTION IN THE FIELD SHALL BE SET LEVEL.~~

NO PROPOSED OR EXISTING KNOWN SYSTEMS WITHIN 100 FEET OF PROPOSED WELL.

NO KNOWN SUBSURFACE DRAINS WITHIN 25 FEET OF PROPOSED SYSTEM, INCLUDING FOUNDATION DRAINS.

ALL PIPES WITHIN LEACHING FIELD SHALL BE SET LEVEL. THERE SHALL BE A 2 INCH DROP FROM THE DISTRIBUTION BOX TO THE LEACHFIELD.

THE PROPOSED DISTRIBUTION BOX SHALL HAVE A BOTTOM AREA OF 3 SF OR GREATER.

THE LEACHING AREA AND AREA EXTENDING 10 FEET ON ALL SIDES MUST BE STRIPPED OF TREES AND BRUSH.

THE LEACHING AREA AND AREA EXTENDING 10 FEET ON ALL SIDES MUST BE STRIPPED OF TOP SOIL, SUBSOIL AND ANY UNDESIRABLE MATERIAL AND THE EXCAVATION SACRIFICED.

ANY GRAVEL BASE MATERIAL USED UNDER THE SAND LAYER SHALL CONSIST OF CLEAN, COARSE SAND, OR BANK RUN GRAVEL CONTAINING LITTLE OR NO FINES, OR ORGANIC MATERIAL AND CONTAINING LITTLE TO NO LARGE FRAGMENTS WITH NO STONE GREATER THAN 6 INCHES IN DIAMETER. NOT MORE THAN 10% OF THE GRAVEL CAN BE MADE UP OF STONES BETWEEN 2 INCHES AND 6 INCHES IN DIAMETER.

THE GRAVEL BASE MATERIAL SHALL BE PLACED IN SHALLOW LIFTS AND COMPACTED. THE GRAVEL BASE AFTER PLACEMENT AND COMPACTION SHALL HAVE A PERCOLATION RATE EQUAL TO OR BETTER THAN 5 MINUTES PER INCH. WHENEVER A SEWAGE LEACHING FIELD WILL BE LOCATED IN FINE TEXTURED SOILS CONTAINING FINE SANDS, SILTS OR CLAYS, A MINIMUM SIX (6) INCH DEPTH GRAVEL BASE MUST BE PLACED BENEATH THE ENTIRE LEACHING FIELD.

NO PROPOSED OR EXISTING KNOWN PUBLIC WELLS WITHIN 500 FEET OF PROPOSED SYSTEM EXCEPT AS SHOWN.

NO DRIVING, PARKING OR PAVING OVER ANY PORTION OF THE LEACH FIELD.

GRAVEL BACKFILL MUST BE BROUGHT UP AROUND THE TRENCH TO AT LEAST 2 INCHES ABOVE THE TOP OF THE DISTRIBUTION LINES IN THE LEACH FIELD.

BACKFILL PLACED OVER A LEACHING SYSTEM SHALL BE FREE OF LARGE STONES, FROZEN CLUMPS OF EARTH, RUBBISH, STUMPS, WASTE CONSTRUCTION MATERIALS OR ANY OTHER CONTAMINATES.

THE SURFACE AREA OVER THE LEACH FIELD SHALL BE GRASSED.

THE FINISH GRADE EXTENDING 10' AROUND EACH FIELD SHALL BE NO LOWER THAN ELEVATION 97.28 UNLESS OTHERWISE SPECIFIED, THE SYSTEM HAS NOT BEEN DESIGNED WITH THE PROVISIONS FOR GARBAGE GRINDERS.

THIS SEWERAGE DISPOSAL SYSTEM SHALL CONFORM TO ALL THE REGULATIONS UNDER SECTIONS 42-17.1-2(1), (M) (R) AND (S) AND SECTION 23-19.5-4 AND CHAPTER 42-35 OF THE GENERAL LAWS OF RHODE ISLAND.

NO PROPOSED OR EXISTING KNOWN PRIVATE WELLS WITHIN 200 FEET OF THE PROPOSED SYSTEM EXCEPT AS SHOWN.

THE 6 INCH SAND LAYER UNDERLYING THE ELJEN UNITS SHALL BE ASTM C33 OR EQUAL.

A COC FOR THE SYSTEM CANNOT BE PROVIDED UNTIL THE CONTRACTOR PROVIDE RECEIPTS FOR ALL COMPONENTS OF THE ISDS.

INSPECTIONS OR AS-BUILT PLANS ARE REQUIRED, DESIGNER MUST BE NOTIFIED 48 HOURS IN ADVANCE AND COMPONENTS OF SYSTEM MUST BE LEFT EXPOSED.

SOIL EROSION AND SEDIMENTATION CONTROL NOTES

THE HAYBALE AND SILT FENCE LINE ILLUSTRATED ON THESE PLANS SHALL SERVE AS THE STRICT LIMIT OF DISTURBANCE FOR THE PROJECT WITHIN OR ADJACENT TO REGULATED FRESHWATER WETLAND AREAS.

THE LIMITS OF CLEARING, GRADING, AND DISTURBANCE SHALL BE KEPT TO A MINIMUM WITHIN THE PROPOSED AREA OF CONSTRUCTION. ALL AREAS OUTSIDE OF THESE LIMITS, AS DEPICTED ON THE PLAN SHALL BE TOTALLY UNDISTURBED, TO REMAIN IN NATURAL CONDITION.

ALL DISTURBED SLOPES EITHER NEWLY CREATED OR CURRENTLY EXPOSED SHALL BE SEEDED, PROTECTED AND MAINTAINED BY THE CONTRACTOR. THE CONTRACTOR SHALL REGULARLY CHECK ALL SEEDED AREAS TO ENSURE THAT A GOOD STAND IS MAINTAINED.

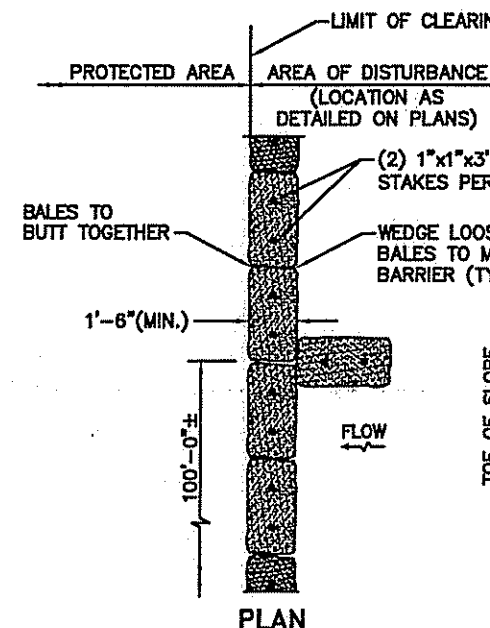
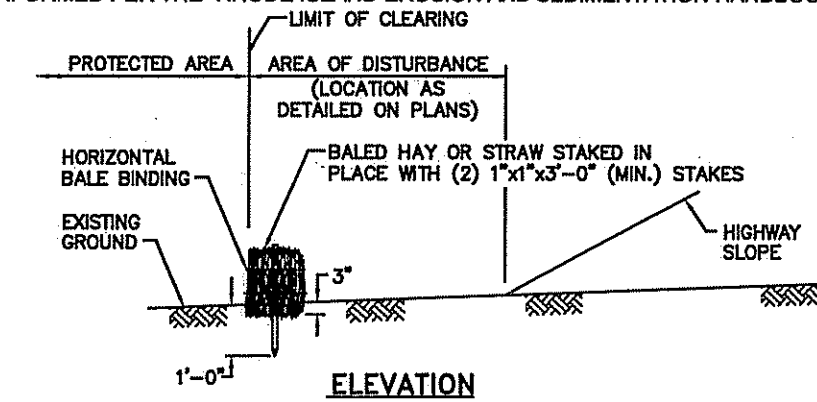
ALL HAY BALES, TEMPORARY TREATMENT (HAY, STRAW, ETC.) AND TEMPORARY EROSION PROTECTION SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION AND SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED.

STOCKPILES OF TOPSOIL SHALL NOT BE LOCATED NEAR WATERWAYS. THEY SHALL HAVE SIDE SLOPES OF NO GREATER THAN 2:1 AND SHALL BE TEMPORARILY SEEDED AND/OR STABILIZED PER CONTRACT SPECIFICATIONS.

THE HAY BALES SHALL BE CHECKED BY THE CONTRACTOR ON A WEEKLY BASIS AND AFTER EACH STORM FOR UNDERMINING OR DETERIORATION. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY HAY BALES AS NEEDED. THE CONTRACTOR SHALL CLEAN THE ACCUMULATED SEDIMENT IF HALF OF THE ORIGINAL HEIGHT OF THE BALES BECOMES FILLED WITH SEDIMENTS.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN ALL SOIL EROSION AND SEDIMENT CONTROLS ON THE PROJECT SITE FOR THE ENTIRE DURATION OF THE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL FOLLOW THE DIRECTION OF THE RESIDENT ENGINEER WITH REGARD TO INSTALLATION, MAINTENANCE, AND REPAIR OF ALL SOIL EROSION AND SEDIMENTATION CONTROLS ON THE PROJECT SITE. TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROLS (HAY BALES, SILT FENCE, ETC.) SHALL BE MAINTAINED UNTIL ALL EXPOSED SOILS ARE SATISFACTORILY STABILIZED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING AND/OR RESEEDING ALL AREAS THAT DO NOT DEVELOP WITHIN ONE YEAR FROM THE COMPLETION OF CONSTRUCTION.

ALL REFERENCED SOIL EROSION AND SEDIMENTATION CONTROLS INCLUDING MATERIALS USED, APPLICATION RATES AND THE INSTALLATION PROCEDURES SHALL BE PERFORMED PER THE "RHODE ISLAND EROSION AND SEDIMENTATION HANDBOOK", DATED 1993.



- NOTES:**
1. SHALL BE IN ACCORDANCE WITH SECTION 206 OF THE R.I. STANDARD SPECIFICATIONS.
 2. TO BE USED WHERE THE EXISTING GROUND SLOPES AWAY FROM THE HIGHWAY EMBANKMENT AS CALLED FOR ON PLANS.
 3. AT APPROXIMATE 100'-0" INTERVALS A BALE OF HAY IS TO BUTT PERPENDICULARLY.

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BALED HAY EROSION CHECK

