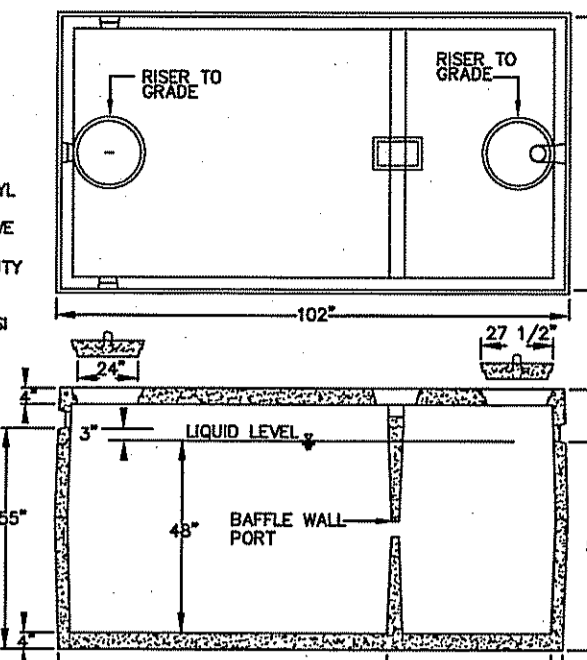


**Precast Septic Tank,
1000 Gallon 2 Compartment
(5.1 Tons)**

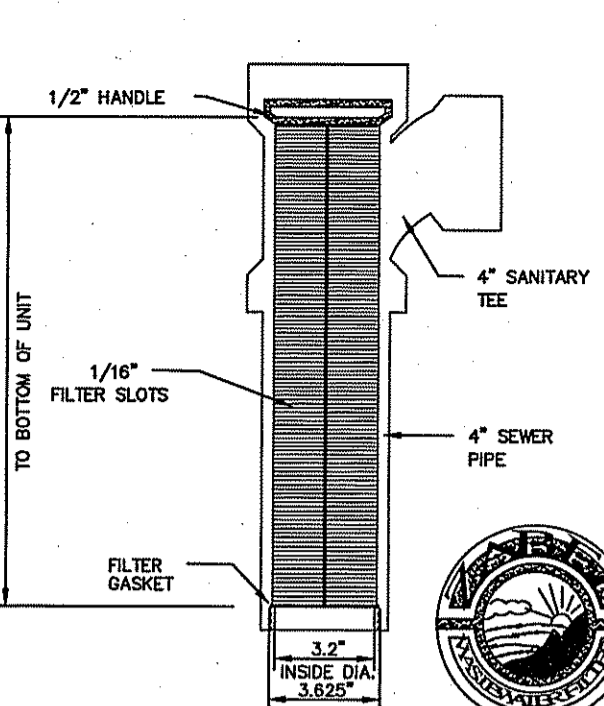
JOLLEY PRE-CAST OR EQUAL N.T.S.



- Design Notes:**
1. ALL JOINTS SEALED WITH BUTYL RUBBER SEALANT
 2. ALL INLETS AND OUTLETS HAVE STATE APPROVED SEALS
 3. AVAILABLE WITH 8" HEAVY DUTY TOP
 4. MEETS ASTM C-1227-87A
 5. CONCRETE STRENGTH 5000 PSI MIN. 28 DAYS
 6. OS SPECIFICATIONS

GWT = 93.50
BOTTOM OF TANK = 94.81
BOUYANT EFFECT = NONE
THERE IS NO BOUYANT FORCE ON TANK

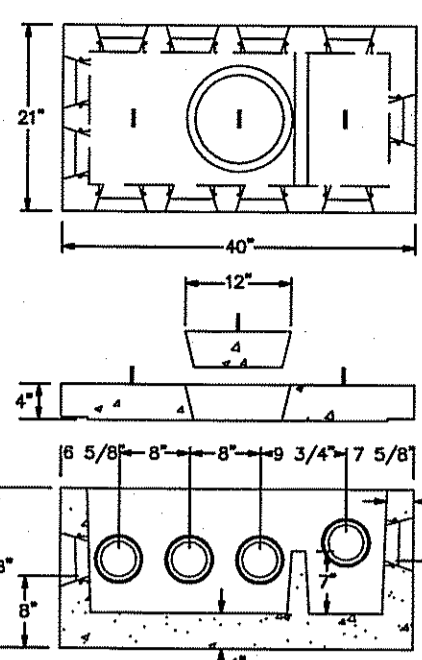
**Zabel A1800 Residential Septic Tank
Effluent Filter** N.T.S.



Note:
TO BE INSTALLED AT THE OUTLET TEE, WITH MANHOLE SET TO FINISH GRADE FOR ACCESS.

**Precast Distribution Box
DB-11** N.T.S.

JOLLEY PRE-CAST OR EQUAL



Note:
A D-BOX MARKER (STONE, IR, ETC) SHALL BE INSTALLED

Design Calculations

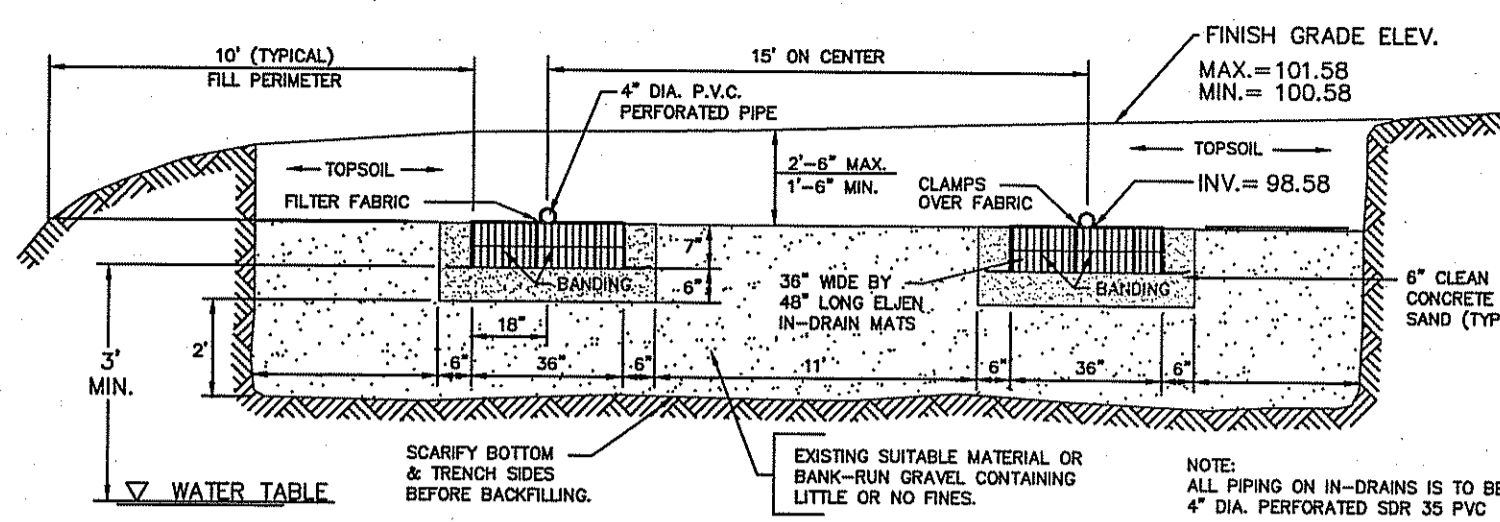
1. DESIGN FLOW = 3 BEDROOMS (BR) HOME X 115 GAL/BR = 345 GALLONS/DAY
2. DESIGN LOADING RATE = 0.48 GAL/SF/DAY
DESIGN GWT = 2.0'
3. MINIMUM LEACHING AREA = 345 GAL/DAY ÷ 0.48 GAL/SF/DAY = 718.8 S.F.
4. ELIEN IN DRAINS = 28 S.F./4" x 3'W UNIT (7.0 S.F./L.F.)
718.8 S.F. ÷ 28 S.F./UNIT = 28 UNITS
ELIEN UNITS PROVIDED = 28
5. LEACHING AREA = 2 LINES 41' L.F. LONG
3 INTERCONNECTIONS @ 12 L.F. EA.
6. LEACHING AREA PROVIDED = 812 S.F.

Soil Testing

R.I.D.E.M. DIVISION OF OWTs APPROVAL
1. SITE SUITABILITY NO. NA DATE: NA
2. SITE TESTING DATE OF EXCAVATION 3/14/12

SEV 1
SOIL STRATA: SOIL CATEGORY:
A 0-4" 10YR 3/3 sl lgr vfr 3
Bw1 4-12" 10YR 5/6 sl lgr vfr 3
Bw2 12-16" 2.5Y 5/6 gr,sl lgr vfr 3m
Bw3 16-30" 2.5Y 5/4 gr,sl lgr vfr 3m
C 30"-9' 5Y 6/2 gr,slb C-m frm 8m
LOADING RATE = .XX GAL/SF/DAY

Cross-Section N.T.S.



General Notes

1. THERE IS NO 100 YEAR FLOOD PLAIN LOCATED ON SITE AS PER (F.E.M.A.) COMMUNITY PANEL NO.44007C02706 TOWN OF SCITUATE.
2. DIPRETE ENGINEERING ASSOC., INC. CERTIFIES TO THE SOIL CONDITIONS AND PERC RATE ONLY IN AREA TESTED. INSTALLER TO NOTIFY DESIGNER IF SOIL CONDITIONS ARE FOUND DIFFERENT THAN STATED ON OWTs APPLICATION.
3. THE BOUNDARY LINE AS SHOWN ON THIS PLAN DEPICTS A CLASS I SURVEY AS PERFORMED BY DIPRETE ENGINEERING. THE PLAN ITSELF CONFORMS ONLY TO A CLASS IV STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS.
4. TOPOGRAPHY OBTAINED FROM SURVEY BY DIPRETE ENGINEERING. ELEVATIONS IN U.S. SURVEY FEET ARE REFERENCED TO NAVD83.
5. NO DRAINS OR WATER LINES TO BE INSTALLED WITHIN 25' OF LEACHING AREA.
6. NO GARBAGE GRINDERS SHALL BE INSTALLED.
7. THERE ARE NO EXISTING OR PROPOSED WELLS WITHIN 200' OF THE PROPOSED SYSTEM.
8. THERE ARE NO KNOWN EXISTING OR PROPOSED DRAINS WITHIN 200 FEET OF THE PROPOSED SYSTEM OTHER THAN SHOWN.
9. THERE ARE NO EXISTING OR PROPOSED SYSTEMS WITHIN 100' OF A PROPOSED OR EXIST. WELL.
10. THERE ARE NO PROPOSED OR EXISTING PUBLIC WELLS WITHIN 500' OF THE PROPOSED SYSTEM.
11. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING FINISH GRADING AND DRAINAGE AROUND THE BUILDING TO ENSURE SURFACE WATER AND/OR GROUND WATER ARE DIRECTED AWAY FROM THE STRUCTURE. THIS PLAN SHOWS GENERAL GRADING ONLY AND ADDITIONAL DETAIL MAY BE REQUIRED.
12. NO REPRESENTATIONS ARE MADE BY DEEA THAT UTILITY SERVICE IS AVAILABLE.
13. ALL EXISTING UTILITIES SHOWN ARE FROM VISIBLE INFORMATION, DRAWINGS BY OTHERS, OR INFORMATION PROVIDED TO DEEA AND ARE SUBJECT TO CHANGE.

Construction Notes

1. CONSTRUCTION SHALL CONFORM TO THE RHODE ISLAND SPECIFICATIONS SET FORTH IN THE "DEPARTMENT OF ENVIRONMENTAL MANAGEMENT RULES AND REGULATIONS" ESTABLISHING MINIMUM STANDARDS RELATING TO LOCATION & CONSTRUCTION OF ONSITE WASTEWATER TREATMENT SYSTEMS EST. 6-11.
2. THE FILL AROUND THE SYSTEM SHALL BE COARSE SAND, OR BANK RUN GRAVEL.
3. CONCRETE SAND SHALL CONTAIN LESS THAN 2% FINES AND MEET THE ASTM C33 STANDARD.
4. INSTALLER TO REMOVE ALL TREES AND SHRUBS FROM LEACHING AREA, AND 10' ON ALL SIDES.
5. BUILDING SEWER PIPE TO BE MINIMUM 4" SCH 40 PVC. ALL OWTs PIPING TO BE MINIMUM 4" SCH 35.
6. TREATMENT TANK RISERS TO BE AT FINISH GRADE AS PER 2011 DEM REGULATIONS.
7. INSTALLER TO STRIP TOP AND SUBSOIL OF LEACHING AREA DOWN TO SUBSTRATA, 0' FT. ON ALL SIDES. AN ADDITIONAL 6" MAY BE REQUIRED IF FINES ARE PRESENT IN THE SUBSTRATA, AS DETERMINED BY THE ENGINEER OR R.I.D.E.M. OFFICIALS.
8. INSTALLER TO MAINTAIN OWTs INVERT EL. 98.58 FOR 10' FILL PERMETER.
9. BENCHMARK - NAIL IN 36" OAK NAVD 88 DATUM ELEV. = 94.73.
10. ALL STAGES OF THE OWTs INSTALLATION MUST BE SUPERVISED BY THE DESIGN ENGINEER.
11. DIG SAFE IS REQUIRED TO BE NOTIFIED PRIOR TO START OF ANY CONSTRUCTION.

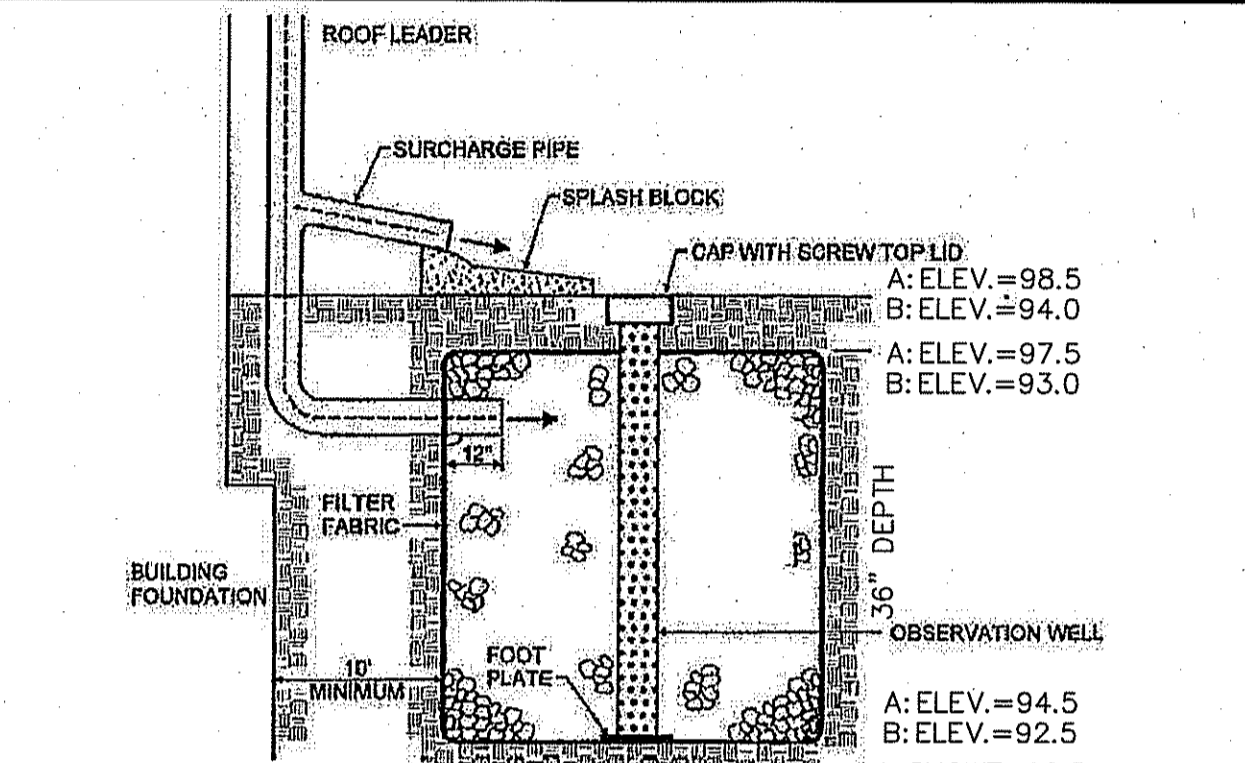
Sequence of Construction

1. CONTRACTOR TO OBTAIN ALL REQUIRED FEDERAL, STATE AND MUNICIPAL PERMITS, AND TO NOTIFY "DIG SAFE" PRIOR TO CONSTRUCTION.
2. SET SILT FENCING AT LIMIT OF WORK. MAINTAIN CONTINUOUS FENCE LINE DURING CONSTRUCTION AND REPAIR AS NEEDED.
3. CONTACT DESIGNER 24 HR. PRIOR TO OWTs CONSTRUCTION
4. BEGIN OWTs BOTTOM EXCAVATION
5. CONTACT DESIGNER 24 HR. PRIOR TO OWTs BOTTOM EXCAVATION COMPLETION FOR INSPECTION
6. BEGIN OWTs CONSTRUCTION
7. CONTACT DESIGNER 24 HR. PRIOR TO OWTs COMPLETION FOR INSPECTION
8. COVER OWTs COMPONENTS AND COMPLETE FINISH GRADING
9. CONTACT DESIGNER 24 HR. PRIOR TO OWTs FINAL GRADING FOR INSPECTION
10. COMPLETE SOIL STABILIZATION BY LOAM AND SEEDING DISTURBED AREAS.

Note:
DESIGNER REQUIRES A MINIMUM OF THREE(3) INSPECTIONS: BOTTOM INSPECTION, COVER INSPECTION, & FINAL INSPECTION

Minimum Lot Requirements

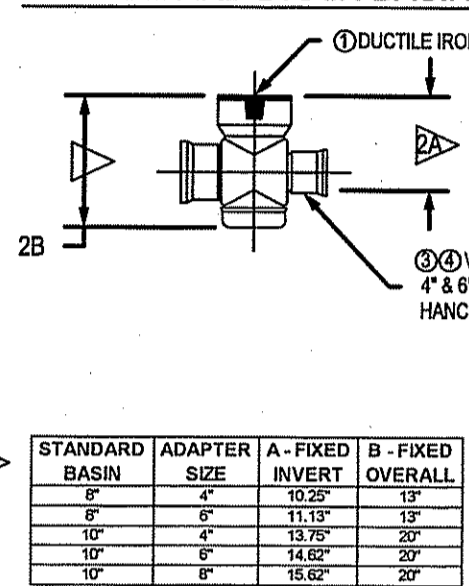
MIN. LOT AREA	120,000	SQ.FT.
FRONTAGE	300	FT.
FRONT YARD	50	FT.
SIDE YARD	35	FT.
REAR YARD	60	FT.
CORNER SIDE YARD	NA	FT.



Proposed Residential Drywell

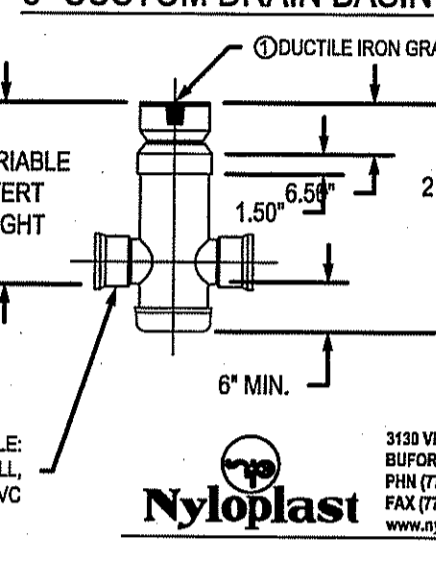
Note:
ON DRYWELL "B" AND TRENCH ONLY 1 FOOT SEPARATION DUE TO SITE CONDITIONS.

8" STANDARD DRAIN BASIN



STANDARD DRAIN BASIN	ADAPTER	A - FIXED	B - FIXED
6"	6"	11 1/2"	13"
8"	8"	13 1/2"	15"
10"	10"	15 1/2"	17"

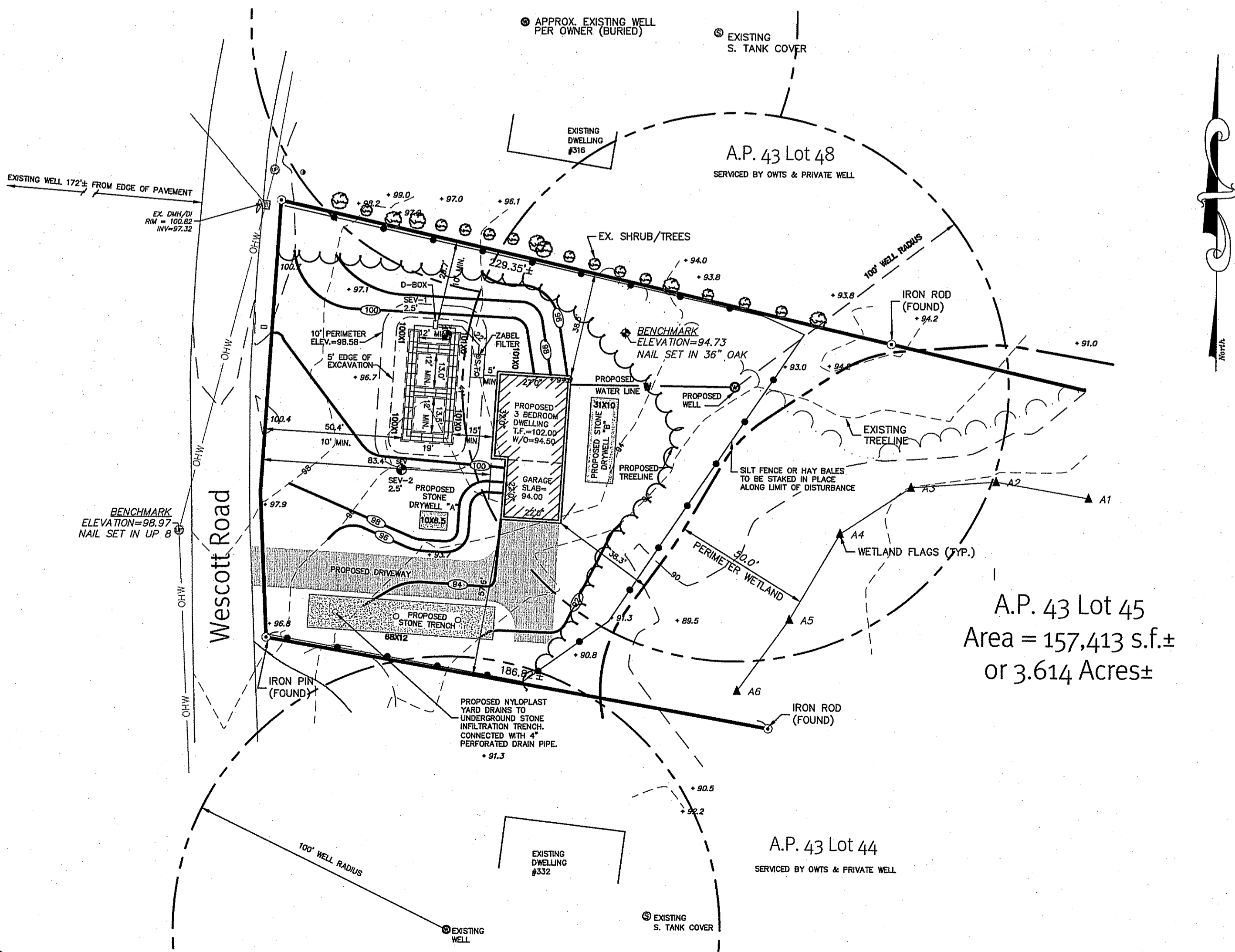
8" CUSTOM DRAIN BASIN



3110 VERONA AVE
BURLING, MA 02458
PH (781) 862-2443
FAX (781) 862-2449
www.nyloplast-us.com

8" NYLOPLAST YARD DRAIN DETAIL

NOT TO SCALE



A.P. 43 Lot 45
Area = 157,413 s.f.±
or 3.614 Acres±

Notes:

THE CONTRACTOR IS RESPONSIBLE FOR ALL OF THE MEANS, METHODS, SAFETY PRECAUTIONS AND REQUIREMENTS, AND OSHA CONFORMANCE IN THE IMPLEMENTATION OF THIS PLAN AND DESIGN.

THE FINAL LANDSCAPING, SOIL STABILIZATION AND EROSION CONTROL IS TO BE COMPLETED BY THE OWNER PER THE APPROVED PLAN. ALTERATIONS TO THIS DESIGN ARE TO BE IDENTIFIED BY THE HOMEOWNER IN WRITING TO THE DESIGN ENGINEER FOR APPROVAL AND POSSIBLE RESUBMISSION TO THE RIDEM.

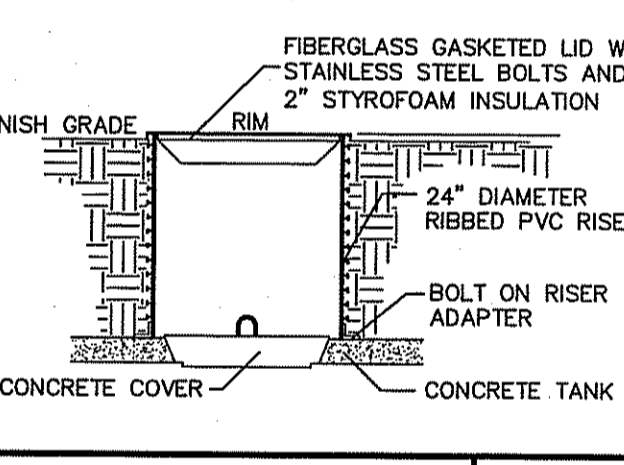
THE CONTRACTOR SHALL COORDINATE WITH ALL OF THE APPROPRIATE UTILITY COMPANIES FOR AGREEMENTS TO SERVICE THE PROPOSED BUILDING. THIS SHALL BE DONE PRIOR TO CONSTRUCTION. NO REPRESENTATIONS ARE MADE BY DEEA THAT UTILITY SERVICE IS AVAILABLE.

ALL EXISTING UTILITIES SHOWN ARE FROM VISIBLE INFORMATION, DRAWINGS BY OTHERS, OR INFORMATION PROVIDED TO DEEA AND ARE SUBJECT TO CHANGE. NO ONE SHOULD RELY ON THE UTILITY LOCATIONS SHOWN FOR CONSTRUCTION AND DIG SAFE MUST BE NOTIFIED PRIOR TO ANY WORK.

Note:
THERE ARE NO KNOWN WELLS EXISTING OR PROPOSED WITHIN 200' OF THE PROPOSED OWTs OTHER THAN SHOWN ON PLAN.

THERE ARE NO KNOWN OWTs EXISTING OR PROPOSED WITHIN 200' OF THE PROPOSED WELL OTHER THAN SHOWN ON PLAN.

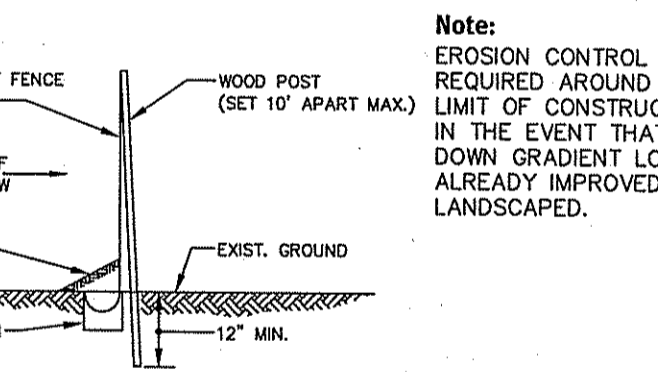
Treatment Tank Riser & Cover Detail N.T.S.



Legend

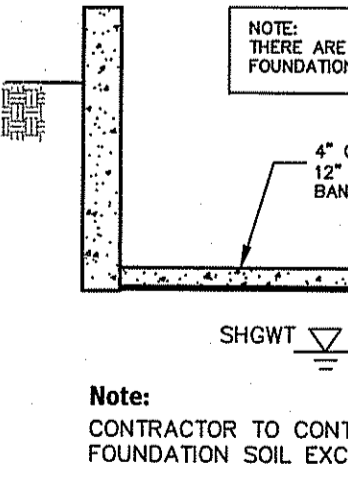
- LEGE TESTING
- SOIL EVALUATION
- EXISTING CONTOUR
- PROPOSED CONTOUR
- WATER SERVICE LINE
- DRAINAGE LINE
- BENCHMARK
- WELL

Erosion Control N.T.S.



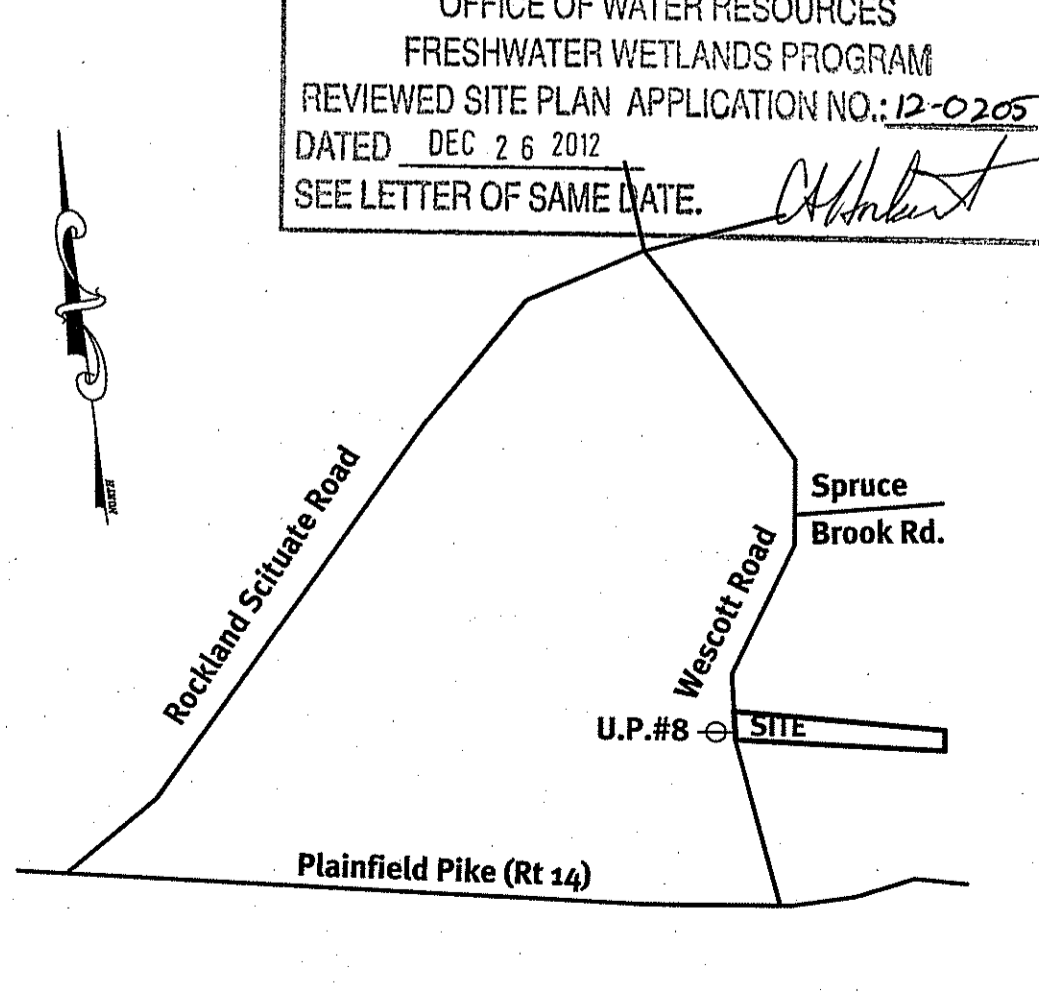
- Installation:**
1. DIG TRENCH 6" DEEP.
 2. SET FENCE POST 10' APART MAX. AT SLIGHT ANGLE TOWARD RUNOFF DIRECTION.
 3. ATTACH GEOFAB TO POST.
 4. LOWER 6" OF GEOFAB IN TRENCH CURLED TOWARD RUNOFF DIRECTION & BACKFILL.
 5. FENCE TO BE INSTALLED AS INDICATED ON THE SITE PLAN OR AS DIRECTED BY THE ENGINEER.

Foundation Detail N.T.S.



Note:
CONTRACTOR TO CONTACT DESIGN ENGINEER TO VERIFY FOUNDATION SOIL EXCAVATION PRIOR TO FORMING.

Vicinity Map



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
REVIEWED SITE PLAN APPLICATION NO. 12-0265
DATED DEC 2 6 2012
SEE LETTER OF SAME DATE.

Site Plan
Wescott Road (opps. Pole #8)
A.P. 43 Lot 45
Applicant
Douglas Desimone
P.O. Box 385, Wakefield, Rhode Island 02879
Tel 419-6992 Fax 401-649-1682

Drawn By: [Signature]
Design By: [Signature]
Date: 12-26-12