

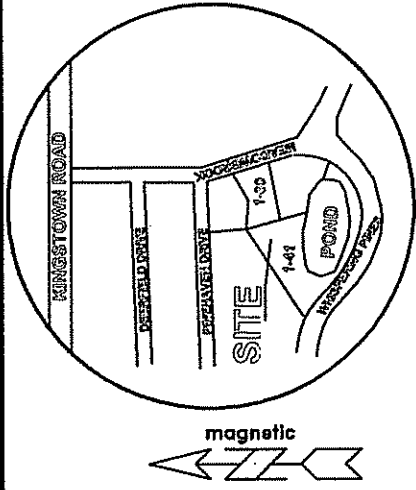
LEGEND

- EXISTING CONTOUR LINES
- PROPOSED CONTOUR LINES
- PROPOSED PROPERTY LINES
- SILT FENCE
- SLURRY WALL
- ROCK ISLAND HIGHWAY BOUND
- STONE BOUND
- FRON PUFFERS/POD
- EXISTING EXPELLING
- DRILL HOLE
- PROPOSED WATER SERVICE
- UTILITY POLE
- SOIL EVALUATION
- TH2

PROPERTY LINES WERE DERIVED FROM FIELD OBSERVATION AND RECORDED SUBDIVISION PLANS TITLED:
SECTION 2, IN THE TOWN OF RICHMOND, R.I. PREPARED BY JOSEPH R. SARLINE A. GARDNER, APRIL 1996 BY A.J. EASTERBROOKS
G.E. SCALE 1"=100'

Zoning Dimensional Standards
Lot 06C #1-41 Zone R2

Description	Minimum Required	Provided
Lot Area	87,120 sq ft	26,700 SF
Lot Frontage	100 feet	161.72 ft
Front Setback	40 feet	20 FT.
Side Setback	20 feet	70 feet
Rear Setback	70 feet	Varies
Building Height	35 feet	17.5%
Impervious Coverage	37 %	



LOCUS MAP

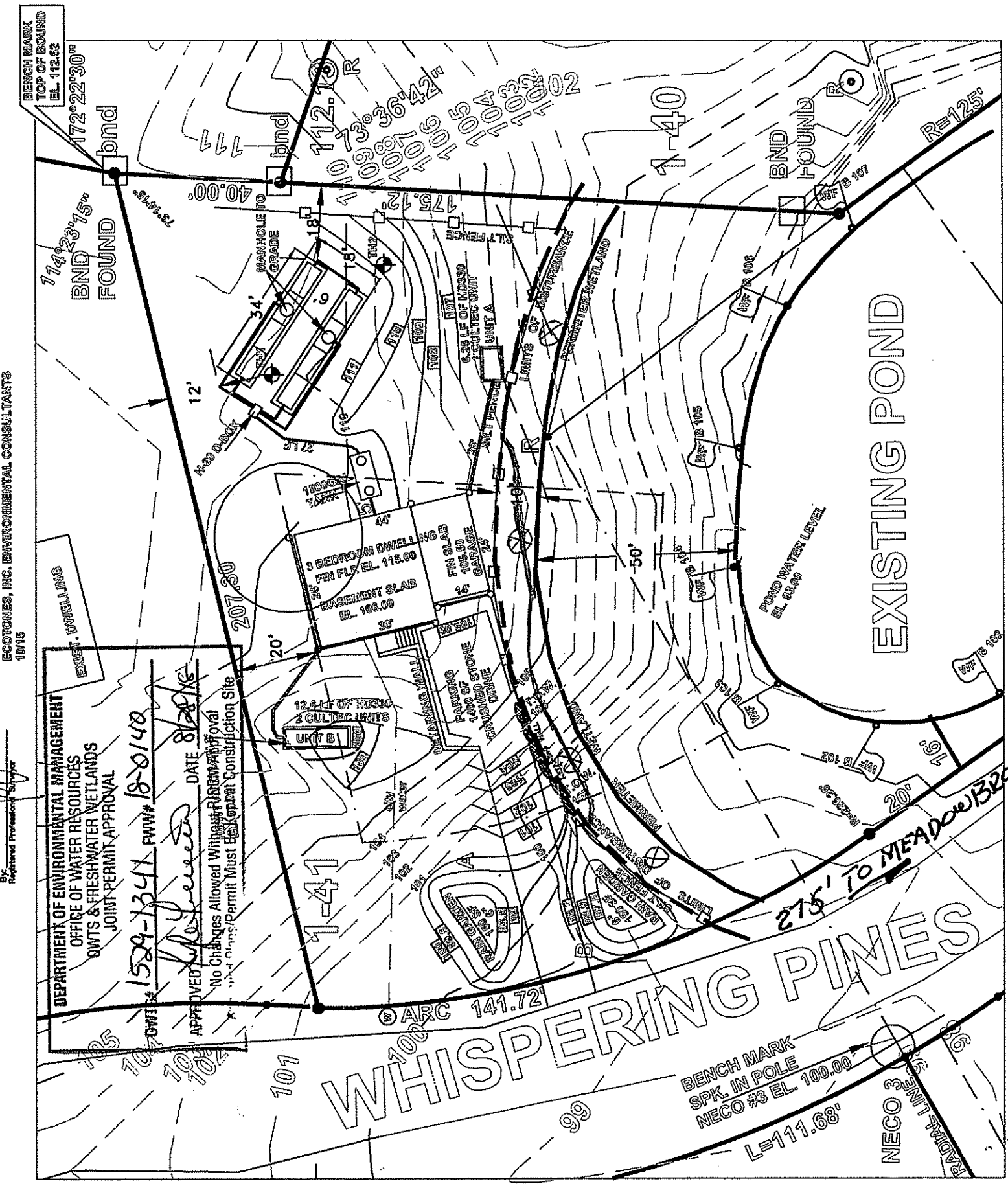
PROPOSED
PROPOSED C.V.T.S. PLAN

SITE LOCATION
ASSESSOR'S PLAT 06C, 001, LOT 1-41
MEADOWBROOK ROAD
WYOMING, R.I. 02898
PREPARED FOR
ARLINE GARDINER
2 SPRINGBROOK ROAD
WYOMING, R.I. 02898
PREPARED BY
A.R.M. ENGINEERING, INC.
PO Box 507
Ashaway, RI 02804
(401) 377-0080

ROBERT J. CURRAN
No. 1619
PROFESSIONAL
LAND SURVEYOR

JUN 12 2018

WETLAND FLAGSTAKE FIELD LOCATED BY
ECOTONES, INC. ENVIRONMENTAL CONSULTANTS
10/15



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

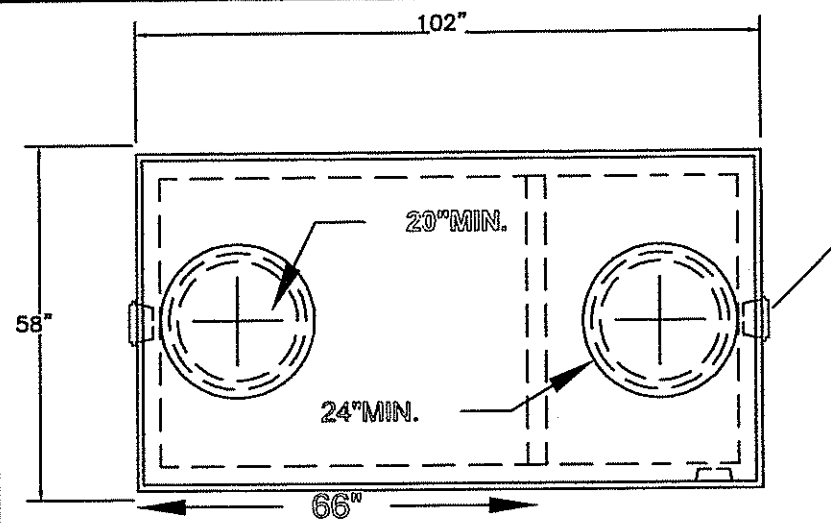
APPROVED *[Signature]* DATE 8/28/16
1529-1341 PWW# 18-0140
No Changes Allowed Without Permit Approval
If Changes are Made, Permit Must Be Reapplied for at Construction Site

ARTHUR R. CRIPPS, JR.
No. 5651
REGISTERED
PROFESSIONAL ENGINEER



Scale 1" = 30 ft
— = Approved Limit of Disturbance Per RIDEM
⊗ = Required Buffer Markers Per RIDEM

Sheet 1 of 2
Sheet 2



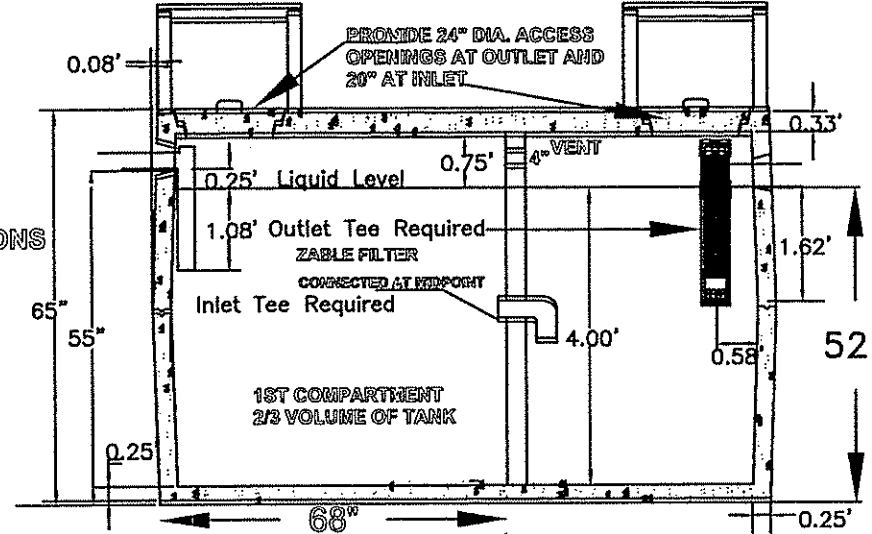
PLAN VIEW 1500 GAL. TWO COMPARTMENT TANK

CONSTRUCTION NOTES

- EXCAVATE THE AREA UNDER THE PROPOSED LEACHING CHAMBERS TO A DEPTH OF 24" AND PLACE BOTTOM STONE SET DIFFUSORS. MAINTAIN INVERT ELEVATION OF EL. 99 FOR 10 FT AROUND SYSTEM GRADE MAXIMUM COVER OF 101.5 TO DIVERT WATER FROM SYSTEM.
- THERE ARE NO EXISTING OR PROPOSED WELLS WITHIN 200' OF THE SYSTEM OTHER THAN THAT SHOWN ON THE PLAN. THERE ARE NO PUBLIC WELLS WITHIN 500' OF THE PROPOSED SYSTEM.
- THERE ARE NO EXISTING OR PROPOSED LEACHING SYSTEMS WITHIN 100' FT. OF THE EXISTING WELL OTHER THAN SHOWN.
- THE EXISTING TOP OF FOUNDATION ELEVATION IS DIRECTLY RELATED TO THE PROPER INSTALLATION AND FUNCTION OF THE LEACHING SYSTEM AND SHOULD NOT BE CHANGED WITHOUT CONSULTING WITH A.R.M. ENGINEERING INC.
- ALL DESIGN, CONSTRUCTION AND MAINTENANCE REQUIREMENTS SHALL CONFORM WITH THE RULES AND REGULATIONS ESTABLISHING MINIMUM STANDARDS RELATING TO THE LOCATION, DESIGN, CONSTRUCTION AND MAINTENANCE OF SEWAGE DISPOSAL SYSTEMS, STATE OF R.I. DEPARTMENT OF ENVIRONMENTAL MANAGEMENT.
- MINIMUM DISTANCE BETWEEN LEACHING SYSTEM AND SUBSURFACE DRAINS AND OR STORM DRAINS IS TO BE 50 FT.
- VEHICULAR TRAFFIC IS PROHIBITED FROM THE SYSTEM AREA.
- ALL PIPING SHALL BE 4" SCHEDULE 35 PVC OR BETTER.
- THIS DRAWING IS FOR THE SPECIFIC USE OF SEPTIC SYSTEM LOCATION AND DESIGN AND NOT TO BE CONSIDERED AS A MEETS AND BOUNDS SURVEY.

PROVIDE WATERTIGHT SEALED FLEXIBLE JOINTS AT INLET AND OUTLET OF TANK. THE PIPE GASKET SHALL BE AN INTEGRAL PART OF THE TANK. FASTEN GASKET TO PIPE WITH STAINLESS STEEL CLAMP FOR WATERTIGHT CONNECTIONS

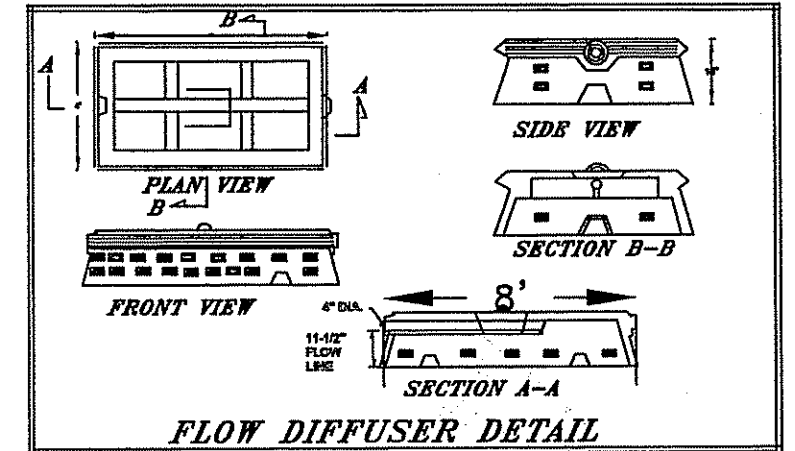
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SECTION 1500 GAL. TANK

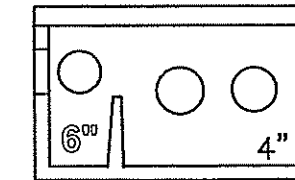
DESIGN DATA

3 BEDROOM DESIGN = 115 X 3 = 345 GALS/DAY
 345 GAL/DAY - .70 APPLICATION RATE = 493 SF
 4 FLOWDIFFUSORS INTERIOR AT 64 SF EACH = 256 SF
 4 EACH FLOWDIFFUSORS END UNITS @ 78 SF EACH = 312 SF
 TOTAL SF REQUIRED = 493 SF TOTAL SF PROVIDED 568 SF

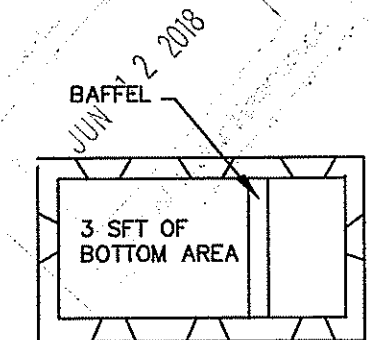


FLOW DIFFUSER DETAIL

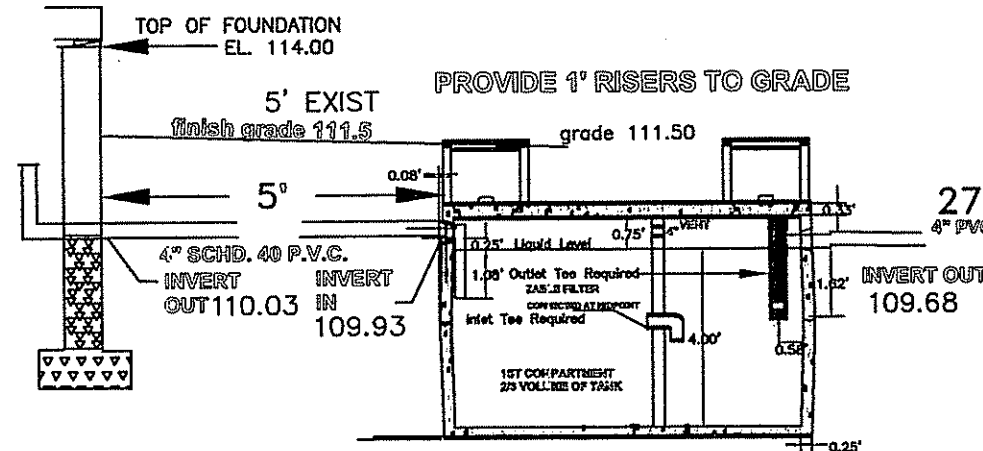
D-BOX



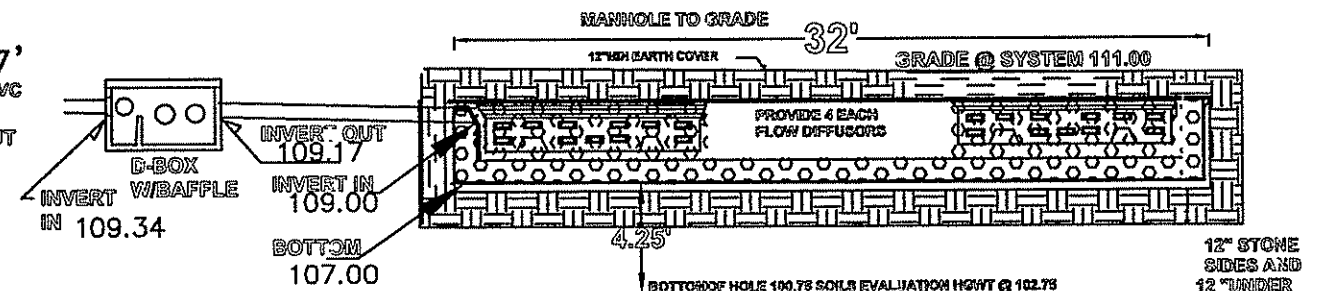
ROTONDO DB-5 WITH BAFFLE PROPOSED D-BOX



H-20 WHEEL LOAD Provide 3sf Minimum Bottom Area



TYPICAL SECTION OF PROPOSED SANITARY SYSTEM



HGWT = NONE AT EL. 100.75 AT LEACHING SYSTEM EXISTING GRADE 110.75 ESTIMATED HGWT = 8' FROM SOILS EVALUATION # 1529-1341

Sheet 2 of 2

INVERT SCHEDULE		
HOUSE OUT	ELV. 110.03	
TANK IN	ELV. 109.93	
TANK OUT	ELV. 109.68	
D-BOX IN	ELV. 109.34	
D-BOX OUT	ELV. 109.17	
DIFFUSER IN	ELV. 109.00	
BOTTOM BED	ELV. 107.00	
SOILS CAT. 1, APP. RATE .7		

INSTALL ZABLE FILTER AT 1500 GAL. TANK OUTLET

LOCATION

ASSESSOR'S PLAT 06C, 001, LOT 41
 MEADOWBROOK ROAD
 WYOMING, R.I. 02898

DIST. NAME

ARLINE GARDNER
 2 SPRINGBROOK ROAD
 WYOMING, R.I. 02898

DIST. NO.

ARTHUR R. CRIPPS, JR.
 No. 5651
 REGISTERED PROFESSIONAL ENGINEER

Sheet 3