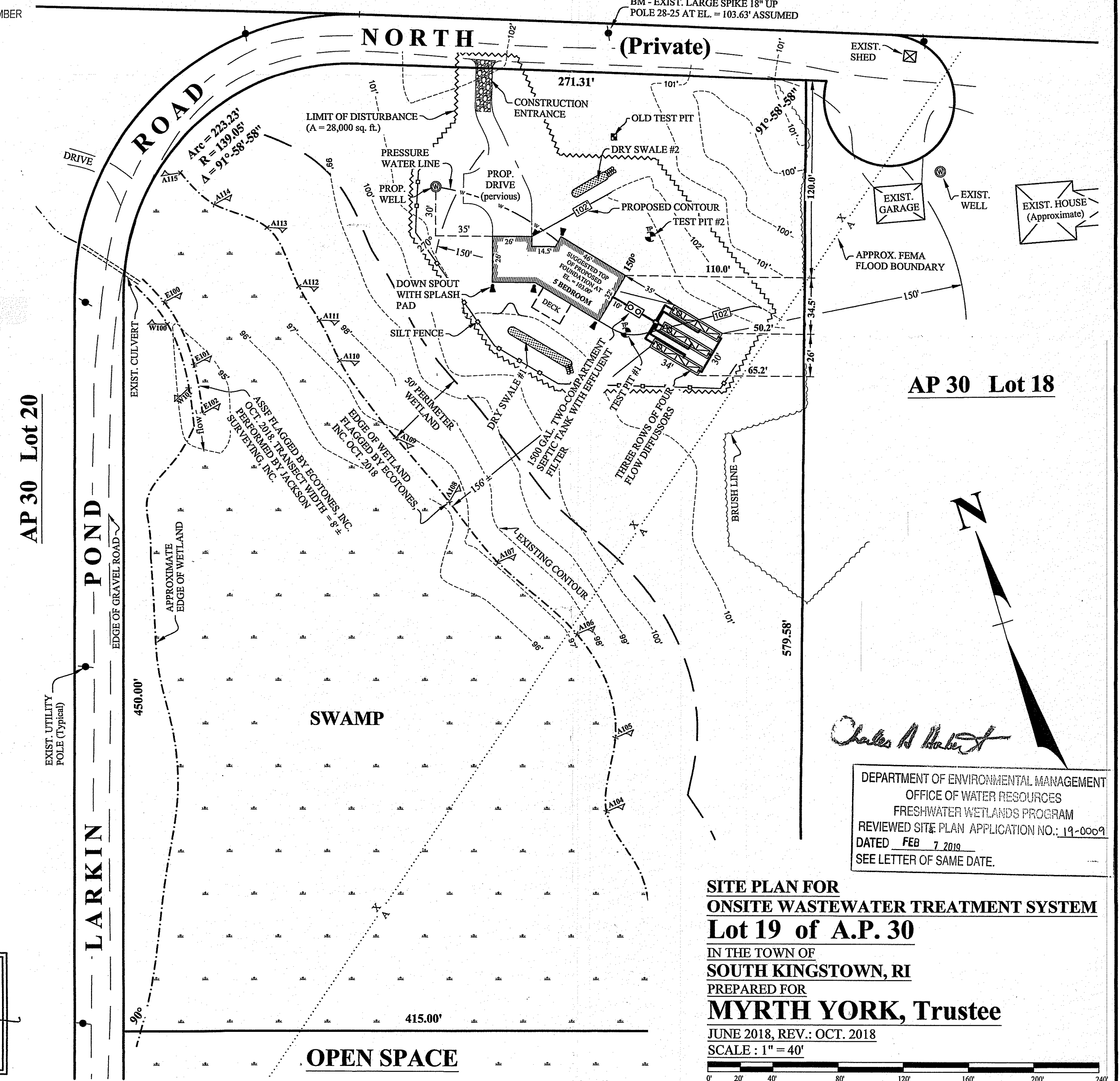
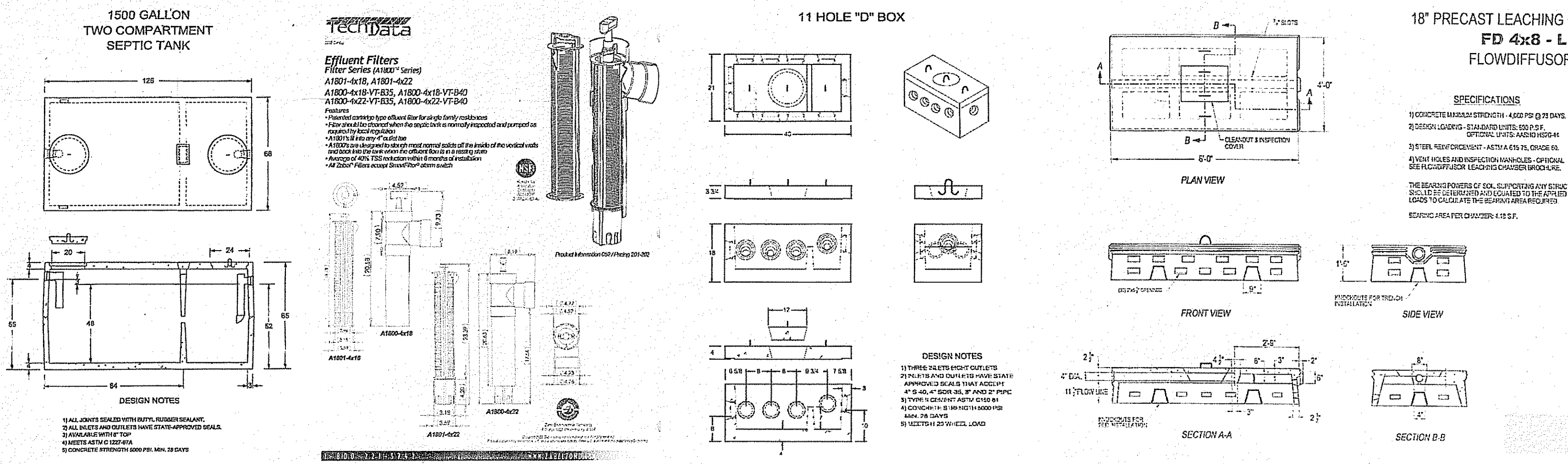


SECTION THRU CENTERLINE OF SYSTEM

SECTION THRU LEACHFIELD

AP 30 Lot 24
(Agriculture Field)



OWTS NOTES

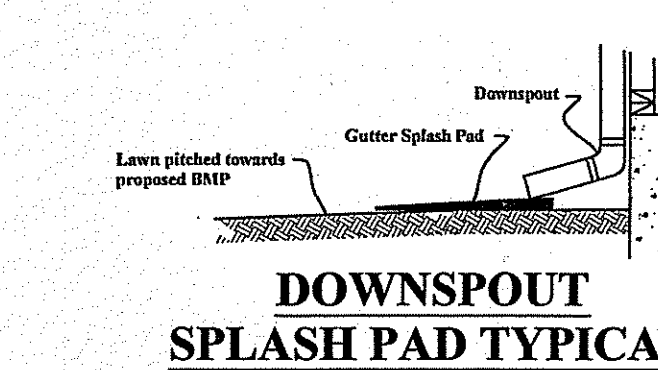
1. ASSESSOR'S MAP 30 LOT 19. LOT 3 OF WHITE HORN ACRES SUBDIVISION.
2. LOT AREA = 5.487 AC.
3. 5 BEDROOM DESIGN - FULL FOUNDATION.
4. 1500 GALLON 2-COMPARTMENT SEPTIC TANK WITH EFFLUENT FILTER.
5. THE CONSTRUCTION AREA IS NOT LOCATED IN A FLOOD ZONE AS DESIGNATED ON THE FEMA FLOOD MAPS. THE SOUTHEASTLY CORNER OF THE PARCEL IS LOCATED IN AN "A" ZONE. SEE COMMUNITY PANEL NO. 44009C0185H.
6. THIS PARCEL IS NOT LOCATED WITHIN RI CRMC JURISDICTION.
7. THIS PARCEL IS NOT LOCATED IN A CRITICAL RESOURCE AREA AS DEFINED BY THE OWTS SECTION RULES AND REGULATIONS.
8. THERE ARE NO TRIBUTARIES, STORMWATER STRUCTURES, OR SUB-SURFACE DRAINS WITHIN 200 FT. OF THE PROPOSED OWTS OTHER THAN THOSE SHOWN HEREON.
9. THERE ARE NO OTHER EXISTING PRIVATE DRINKING WELLS OR KNOWN PROPOSED PRIVATE DRINKING WELLS WITHIN 200 FT. OF THE PROPOSED LEACHFIELD ON THE DATE OF SUBMITTAL OF THIS APPLICATION.
10. THERE ARE NO OTHER EXISTING OR KNOWN PROPOSED NON-POTABLE WELLS WITHIN 100 FEET OF THE PROPOSED LEACHFIELD ON THE DATE OF SUBMITTAL OF THIS APPLICATION.
11. THERE ARE NO EXISTING OR PROPOSED PUBLIC WELLS WITHIN 500' OF THE PROPOSED OWTS OTHER THAN THOSE SHOWN HEREON ON THE DATE OF SUBMITTAL OF THIS APPLICATION.
12. THE PROPOSED WELL DOES NOT NEED A VARIANCE FROM THE WELL DRILLING REGULATIONS.
13. THERE ARE NO OTHER EXISTING OWTS OR KNOWN PROPOSED OWTS WITHIN 200 FT. OF THE PROPOSED WELL ON THE DATE OF SUBMITTAL OF THIS APPLICATION.
14. THERE ARE NO DRINKING WATER LINES WITHIN 50 FT. OF THE PROPOSED OWTS OTHER THAN THOSE SHOWN HEREON.
15. THERE ARE NO SUB-DRAINS WITHIN 50 FT. OF THE PROPOSED LEACHING AREA.
16. THERE ARE NO WATERCOURSES OR WETLANDS WITHIN 200 FT. OF THE PROPOSED OWTS OTHER THAN THOSE SHOWN HEREON.
17. THERE ARE NO EXISTING OR KNOWN PROPOSED PUBLIC WASTEWATER SYSTEM LINES WITHIN 200 FT. OF THE AS SHOWN PROPERTY LINES ON THE DATE OF SUBMITTAL OF THIS APPLICATION.
18. THERE ARE NO STRUCTURES, EXISTING OWTS OR WATER SUPPLIES WITHIN 100 FT. OF THE ADJACENT PROPERTY LINES OTHER THAN THOSE SHOWN HEREON.
19. THE SAME ELEVATION OF THE INVERT OF THE LEACHING DISTRIBUTION LINES SHALL BE MAINTAINED FOR A 10 FT. PERIMETER FROM THE EDGES OF THE LEACHING ZONE. THE ADJACENT SIDE SLOPES SHALL NOT BE STEEPER THAN 3:1 FOR A 25 FOOT PERIMETER.
20. CLEAR AND REMOVE ALL TREES AND BRUSH TO A 10 FT. PERIMETER OF THE LEACHING AREA.
21. PROPER EROSION AND SEDIMENT CONTROL PRACTICES MUST BE IMPLEMENTED DURING ALL PHASES OF CONSTRUCTION AND UNTIL THE SITE IS SATISFACTORILY STABILIZED. ALL CONTROL PRACTICES SHOULD BE IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE RI SOIL EROSION AND SEDIMENT CONTROL HANDBOOK.

SYSTEM COMPUTATIONS:

TOTAL DAILY FLOW
5 BEDROOM x 115 Gal/Day = **575 Gal/Day**

REQUIRED TANKAGE
Per Rule 26.1 - Min. Septic Tank Size = 15000 Gal.
Use 1500 Gal, Two Compartment Septic Tank

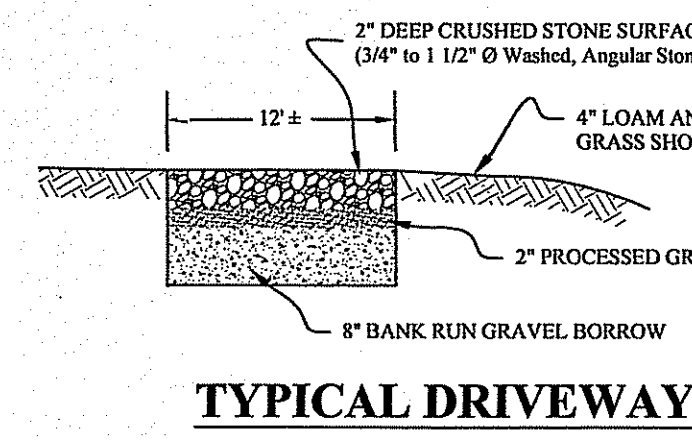
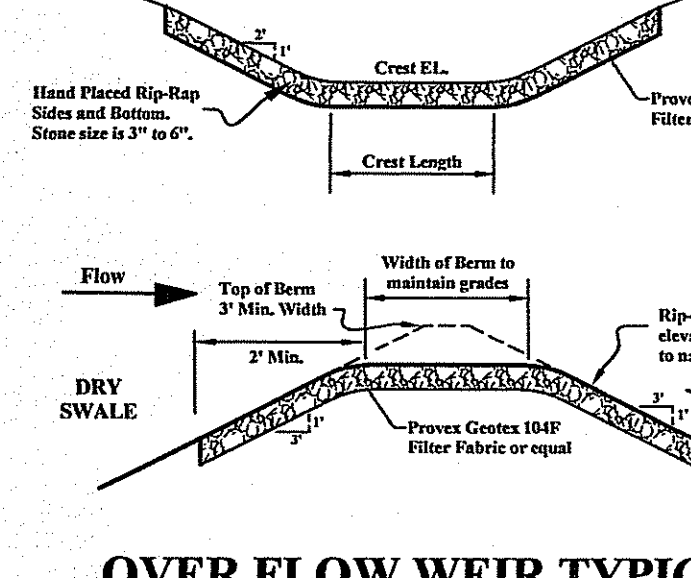
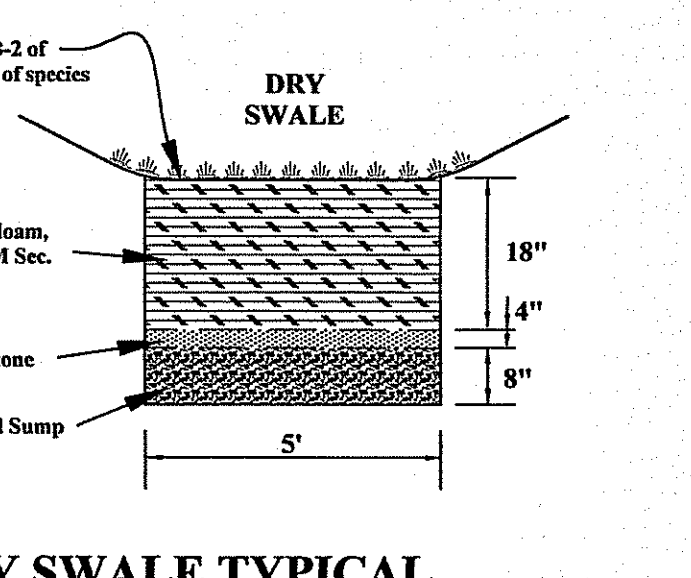
REQUIRED LEACHING AREA
Use Class 1 Soil Rate = 0.70 Gal/Sq.Ft./Day
575 Gal/Day / 0.70 Gal/Sq.Ft./Day = 821 Sq.Ft.
Use 3 rows of 4 Flow Diffusers: 3 x 284 Sq.Ft. = **852 Sq.Ft.**



DRY SWALE ELEVATIONS

DRY SWALE #1
Top of Berm EL. = 101.0'
Bottom of Swale EL. = 99.5'
Crest of Overflow Weir = 100.5'
Weir Crest Length = 2'

DRY SWALE #2
Top of Berm EL. = 101.5'
Bottom of Swale EL. = 100.0'
Crest of Overflow Weir = 101.0'
Weir Crest Length = 2'



SERSC NOTES

1. PROPER EROSION AND SEDIMENT CONTROL PRACTICES MUST BE IMPLEMENTED DURING ALL PHASES OF CONSTRUCTION AND UNTIL THE SITE IS SATISFACTORILY STABILIZED. ALL CONTROL PRACTICES SHOULD BE IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE RI SOIL EROSION AND SEDIMENT CONTROL HANDBOOK.
2. SEE SOIL EROSION & SEDIMENT CONTROL REPORT AND STORMWATER CALCULATION REPORT PREPARED BY JACKSON SURVEYING, INC.

CHAREE M. JACKSON
REGISTERED PROFESSIONAL ENGINEER
CIVIL

JACKSON SURVEYING, Inc.
SURVEYING & ENGINEERING
P.O. BOX 454 CHARLESTOWN, RI 02813 PH. (401) 364-3130

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
REVIEWED SITE PLAN APPLICATION NO.: 19-0009
DATED FEB 7 2019
SEE LETTER OF SAME DATE.

SITE PLAN FOR
ONSITE WASTEWATER TREATMENT SYSTEM
Lot 19 of A.P. 30
IN THE TOWN OF
SOUTH KINGSTOWN, RI
PREPARED FOR
MYRTH YORK, Trustee
JUNE 2018, REV.: OCT. 2018
SCALE: 1" = 40'