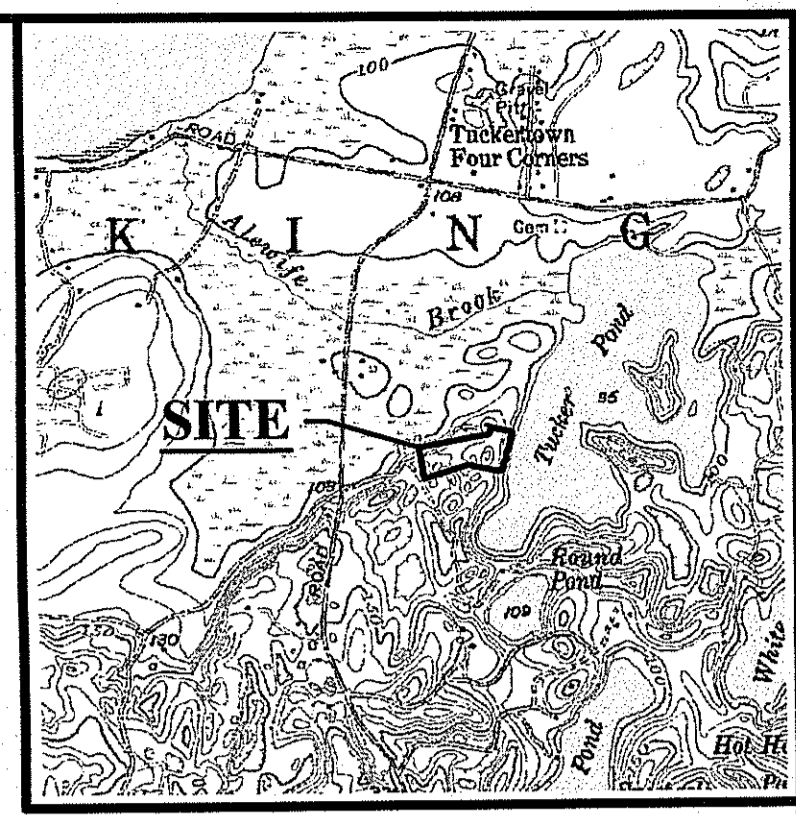


OWTS NOTES

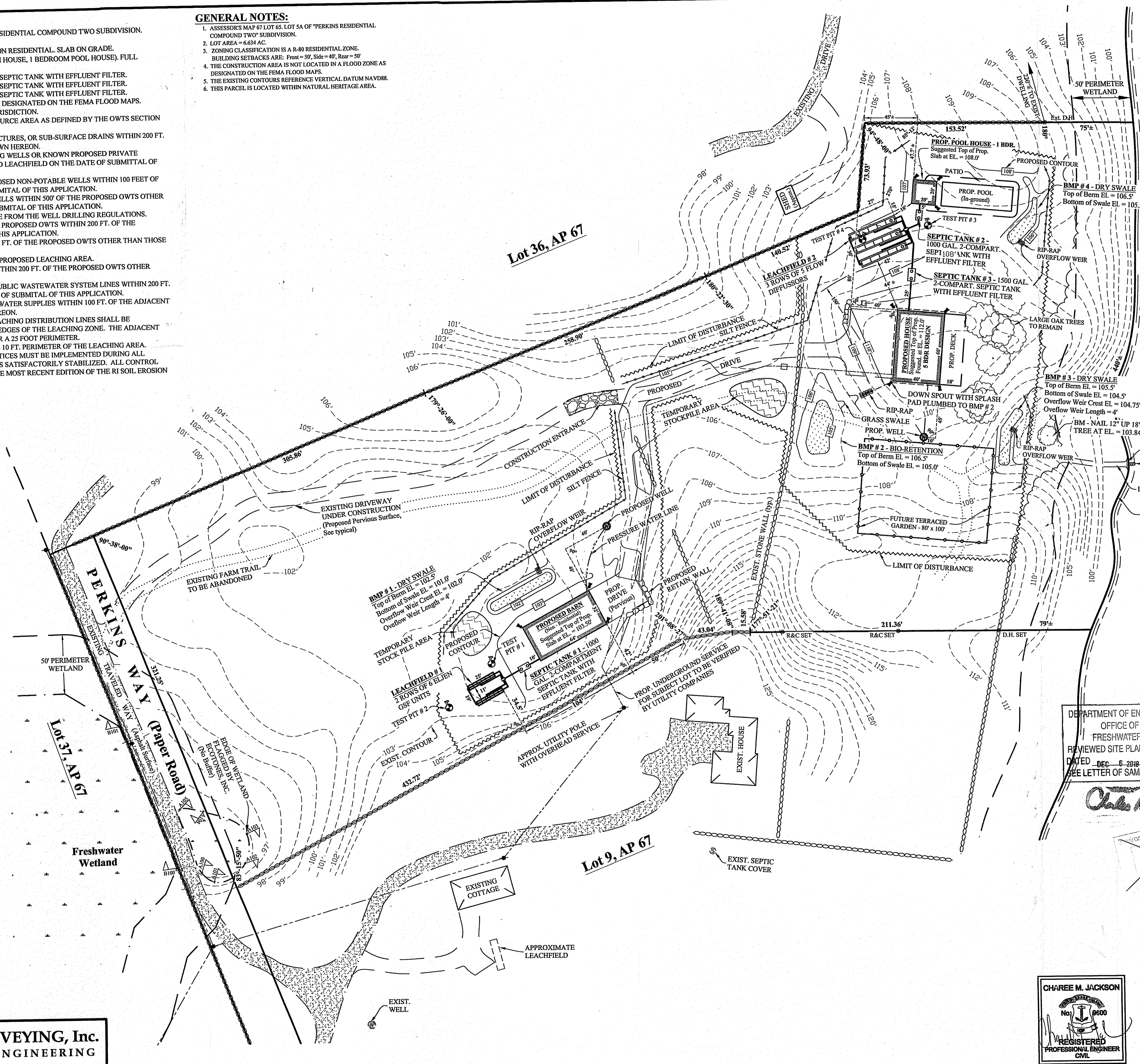
1. ASSESSOR'S MAP 67 LOT 65. LOT 5A OF PERKINS RESIDENTIAL COMPOUND TWO SUBDIVISION.
2. LOT AREA = 6.634 AC.
3. LEACHFIELD # 1 - PROPOSED BARN (230 gpd flow) NON RESIDENTIAL. SLAB ON GRADE.
4. LEACHFIELD # 2 - 6 BEDROOM DESIGN (5 BEDROOM HOUSE, 1 BEDROOM POOL HOUSE). FULL FOUNDATION
5. SEPTIC TANK # 1 - 1,000 GALLON 2-COMPARTMENT SEPTIC TANK WITH EFFLUENT FILTER.
6. SEPTIC TANK # 2 - 1,000 GALLON 2-COMPARTMENT SEPTIC TANK WITH EFFLUENT FILTER.
7. SEPTIC TANK # 3 - 1,500 GALLON 2-COMPARTMENT SEPTIC TANK WITH EFFLUENT FILTER.
8. THE PARCEL IS NOT LOCATED IN A FLOOD ZONE AS DESIGNATED ON THE FEMA FLOOD MAPS.
9. THIS PARCEL IS NOT LOCATED WITHIN RI CRMC JURISDICTION.
10. THIS PARCEL IS NOT LOCATED IN A CRITICAL RESOURCE AREA AS DEFINED BY THE OWTS SECTION RULES AND REGULATIONS.
11. THERE ARE NO TRIBUTARIES, STORMWATER STRUCTURES, OR SUB-SURFACE DRAINS WITHIN 200 FT. OF THE PROPOSED OWTS OTHER THAN THOSE SHOWN HEREON.
12. 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.
13. 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.
14. 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.
15. THE PROPOSED WELL DOES NOT NEED A VARIANCE FROM THE WELL DRILLING REGULATIONS.
16. 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.
17. THERE ARE NO DRINKING WATER LINES WITHIN 50 FT. OF THE PROPOSED OWTS OTHER THAN THOSE SHOWN HEREON.
18. THERE ARE NO SUB-DRAINS WITHIN 50 FT. OF THE PROPOSED LEACHING AREA.
19. THERE ARE NO WATERCOURSES OR WETLANDS WITHIN 200 FT. OF THE PROPOSED OWTS OTHER THAN THOSE SHOWN HEREON.
20. 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.
21. THERE ARE NO STRUCTURES, EXISTING OWTS OR WATER SUPPLIES WITHIN 100 FT. OF THE ADJACENT PROPERTY LINES OTHER THAN THOSE SHOWN HEREON.
22. 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.
23. CLEAR AND REMOVE ALL TREES AND BRUSH TO A 10 FT. PERIMETER OF THE LEACHING AREA.
24. 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.

GENERAL NOTES:

1. ASSESSOR'S MAP 67 LOT 65. LOT 5A OF "PERKINS RESIDENTIAL COMPOUND TWO" SUBDIVISION.
2. LOT AREA = 6.634 AC.
3. ZONING CLASSIFICATION IS A R-80 RESIDENTIAL ZONE. BUILDING SETBACKS ARE: Front = 50', Side = 40', Rear = 50'
4. THE CONSTRUCTION AREA IS NOT LOCATED IN A FLOOD ZONE AS DESIGNATED ON THE FEMA FLOOD MAPS.
5. THE EXISTING CONTOURS REFERENCE VERTICAL DATUM NAVD88.
6. THIS PARCEL IS LOCATED WITHIN NATURAL HERITAGE AREA.



LOCATION MAP
KINGSTON QUADRANGLE
APPROX. SCALE: 1" = 2,000'



TUCKERS POND



Environmental Management
NOV 19 2018
Office of Water Resources

- LEGEND**
- - - - - LIMIT OF DISTURBANCE
 - - - - - SILT FENCE
 - - - - - EXIST. STONE WALL
 - - - - - PROPOSED CONTOUR
 - - - - - EXISTING CONTOUR
 - - - - - PROPOSED WELL
 - - - - - EXIST. UTILITY POLE
 - - - - - NEW TEST PIT (2018)
 - - - - - OLD TEST PIT
 - ▨ - - - - PROP. EROSION BLANKET/CRITICAL EROSION AREA
 - ▨ - - - - TEMPORARY CONSTRUCTION ENTRANCE
 - ▨ - - - - TEMPORARY STOCK PILE AREA
 - ▨ - - - - PROPOSED RETAINING WALL
 - ▨ - - - - PROPOSED DOWNSPOUT WITH SPLASH PAD

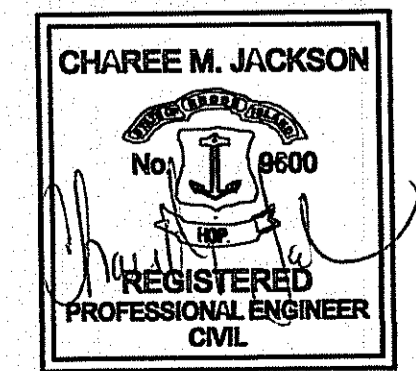
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
REVIEWED SITE PLAN APPLICATION NO.: 18-0304
DATED DEC 6 2018
SEE LETTER OF SAME DATE.

Chris A. Mascheroni

Environmental Management
NOV 14 2018

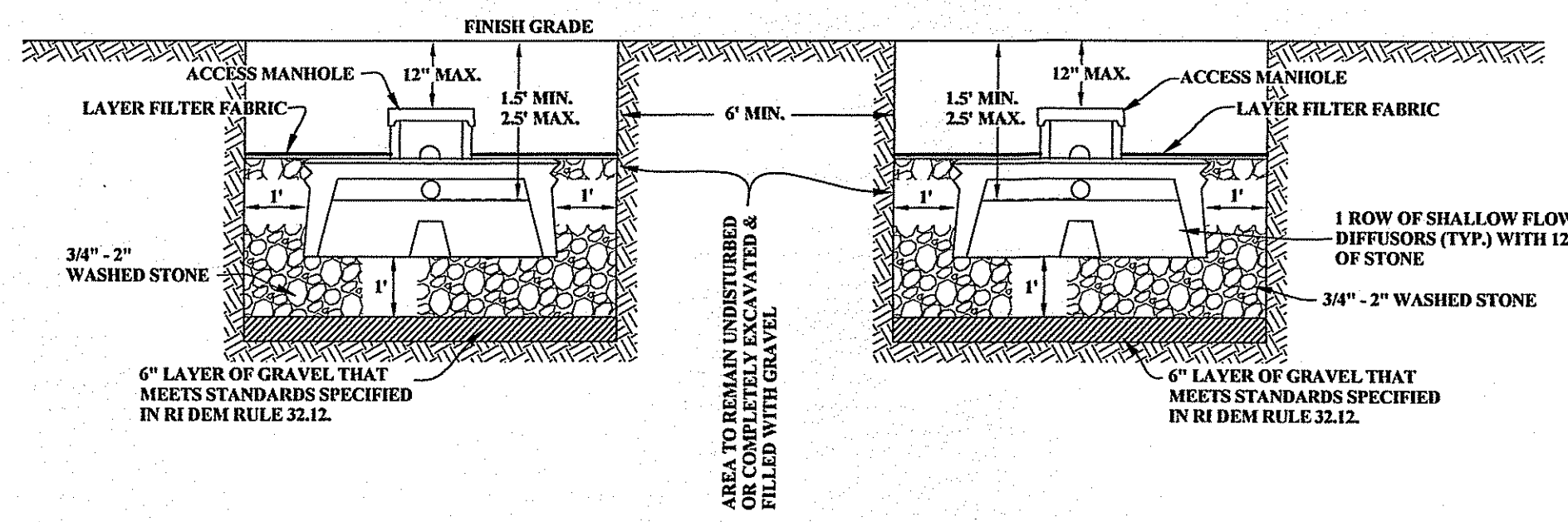
**PROPOSED SITE PLAN FOR
ONSITE WASTEWATER TREATMENT SYSTEM,
SOIL EROSION & SEDIMENT CONTROL, &
STORM WATER MANAGEMENT ON
LOT 65 of AP 67**

Lot 5A of Perkins Residential Compound Two
IN THE TOWN OF
SOUTH KINGSTOWN, RI
OWNER & APPLICANT
MARK MASCHERONI, et ux
435 EAST 57th STREET NEW YORK, NY 10022
AUGUST 2018, REV.: SEPT. 2018, OCT. 2018
SCALE: 1" = 40' SHEET 1 OF 3

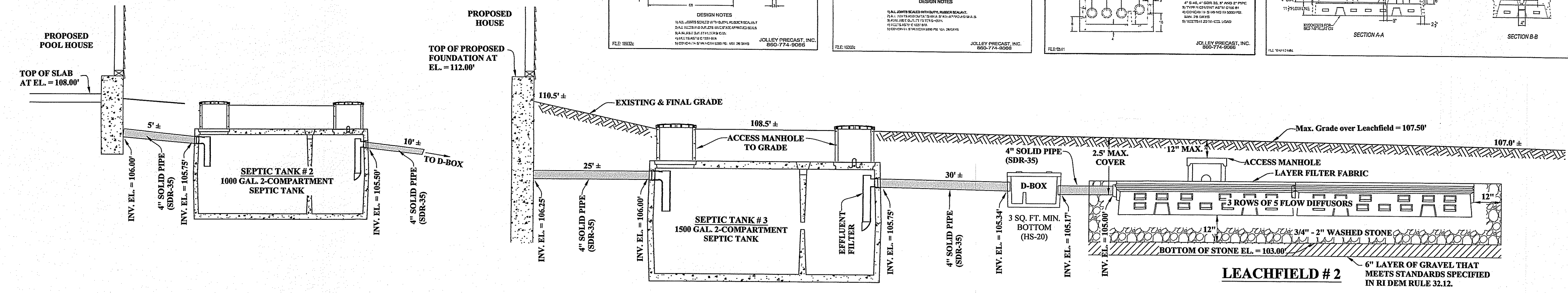
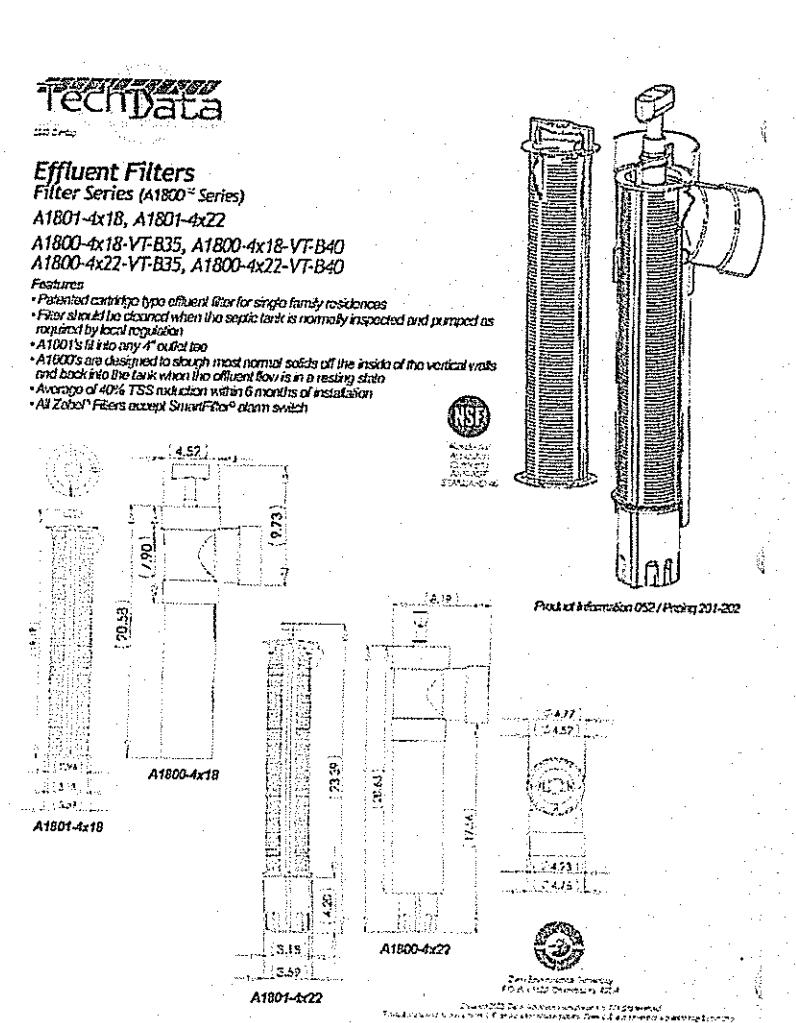
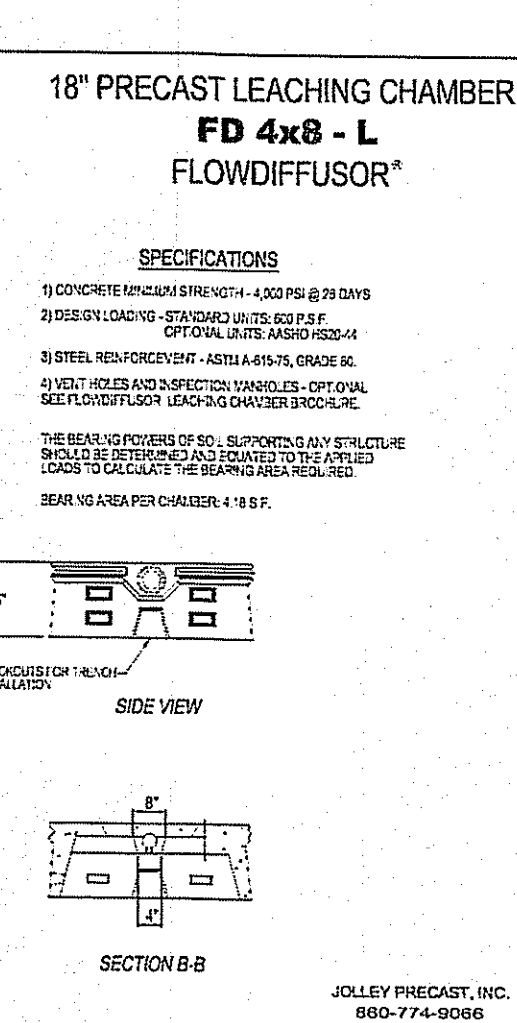
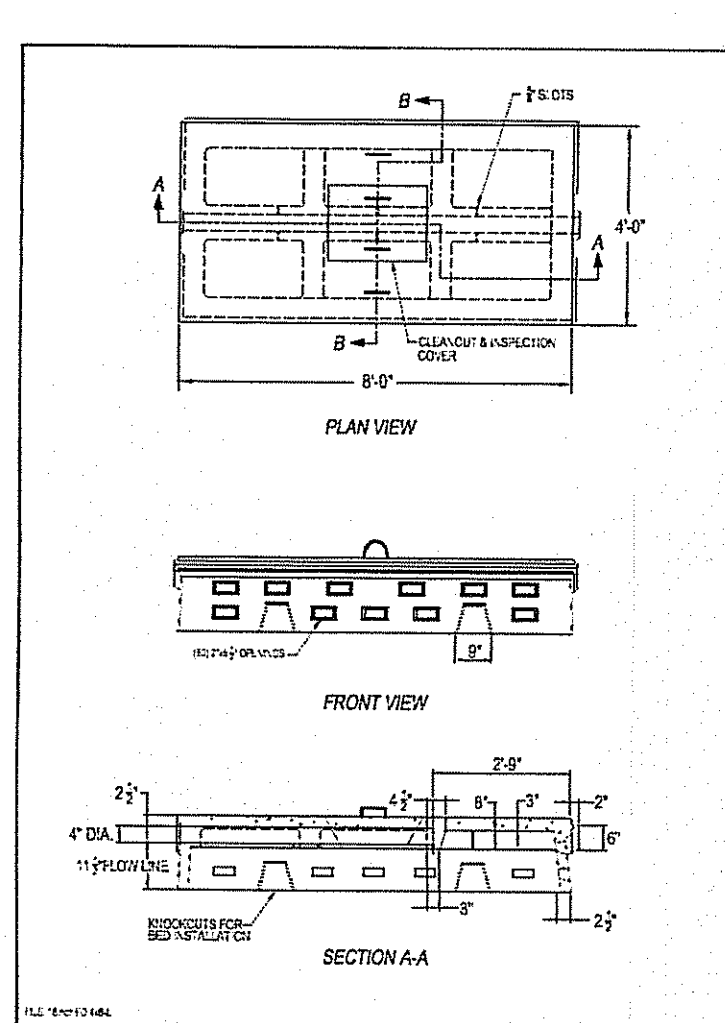
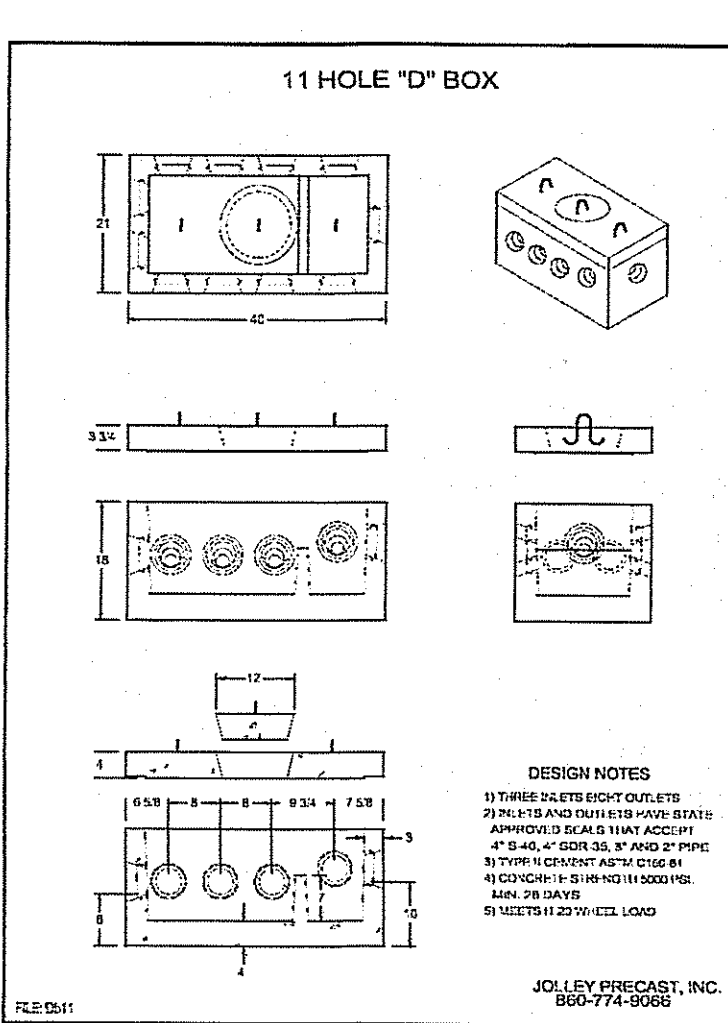
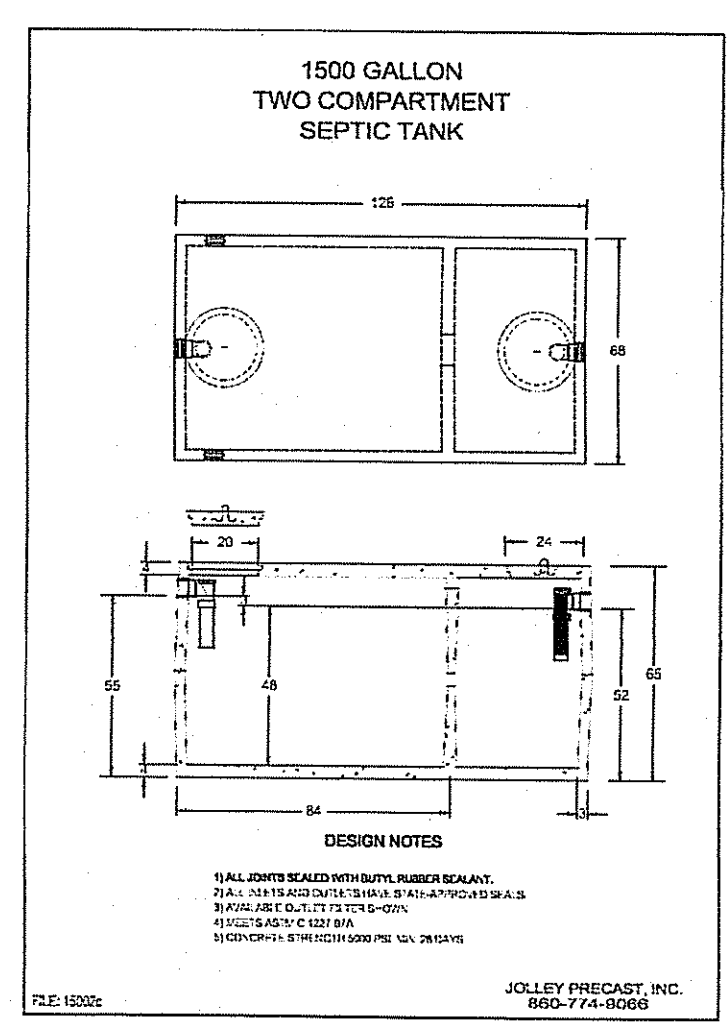
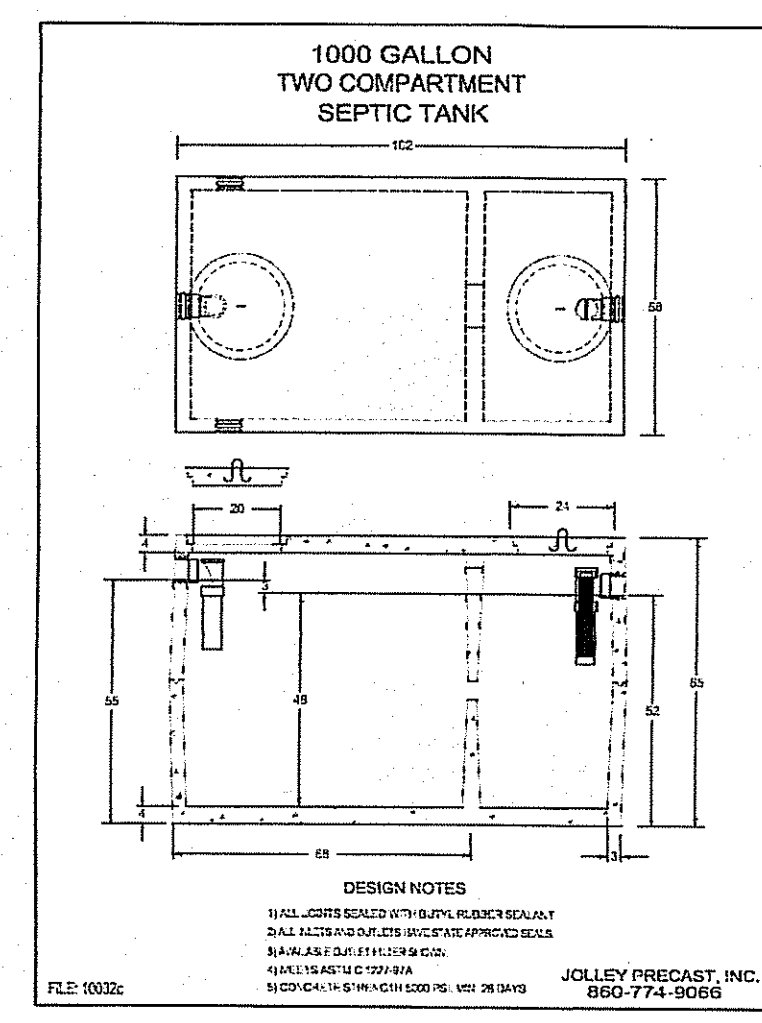


JACKSON SURVEYING, Inc.
SURVEYING & ENGINEERING
P.O. BOX 454 CHARLESTOWN, RI 02813 PH. (401) 364-3130

HOUSE OWTS DETAILS & TYPICALS



SECTION THRU LEACHFIELD



SECTION THRU CENTER LINE OF SYSTEM

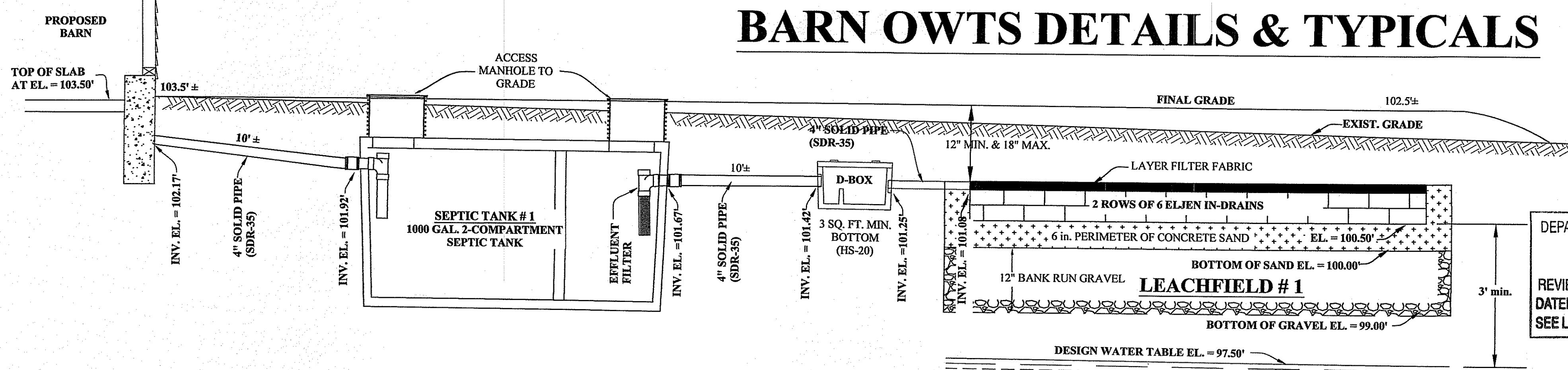
SYSTEM COMPUTATIONS:

TOTAL DAILY FLOW
 HOUSE
 5 BEDROOM x 115 Gal/Day = 575 Gal/Day
 POOL HOUSE
 1 BEDROOM x 115 Gal/Day = 115 Gal/Day
 TOTAL = 690 Gal/Day

REQUIRED TANKAGE
 Per Rule 26.1 - Min. Septic Tank Size = 1750 Gal.
 Use 1000 Gal. Two Compartment Septic Tank & a
 1500 Gal. Two Compartment Septic Tank

REQUIRED LEACHING AREA
 Use Class 3 Soil Rate = 0.70 Gal/Sq.Ft./Day
 690 Gal/Day / 0.70 Gal/Sq.Ft./Day = 986 Sq.Ft.
 Use 3 rows of 5 Flow Diffusers: 3 x 348 Sq.Ft. = 1044 Sq.Ft.

BARN OWTS DETAILS & TYPICALS



SECTION THRU CENTER LINE OF SYSTEM

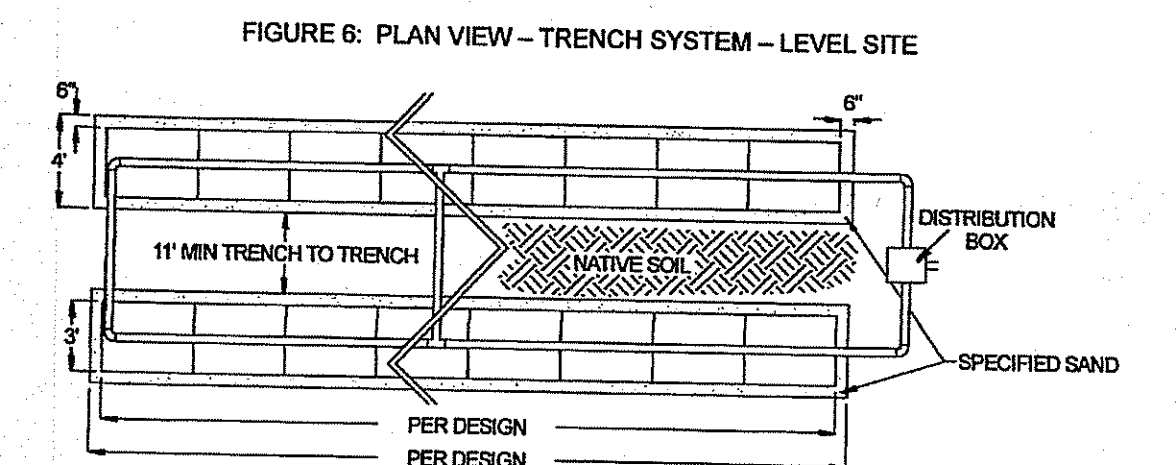
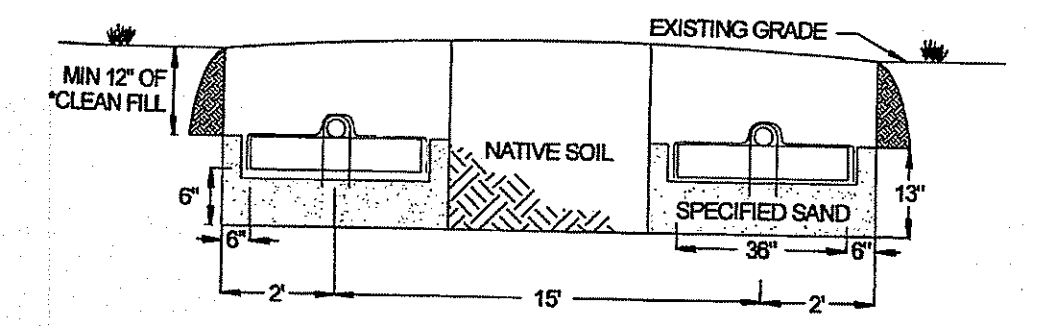


FIGURE 7: SECTION VIEW - TRENCH SYSTEM - LEVEL SITE



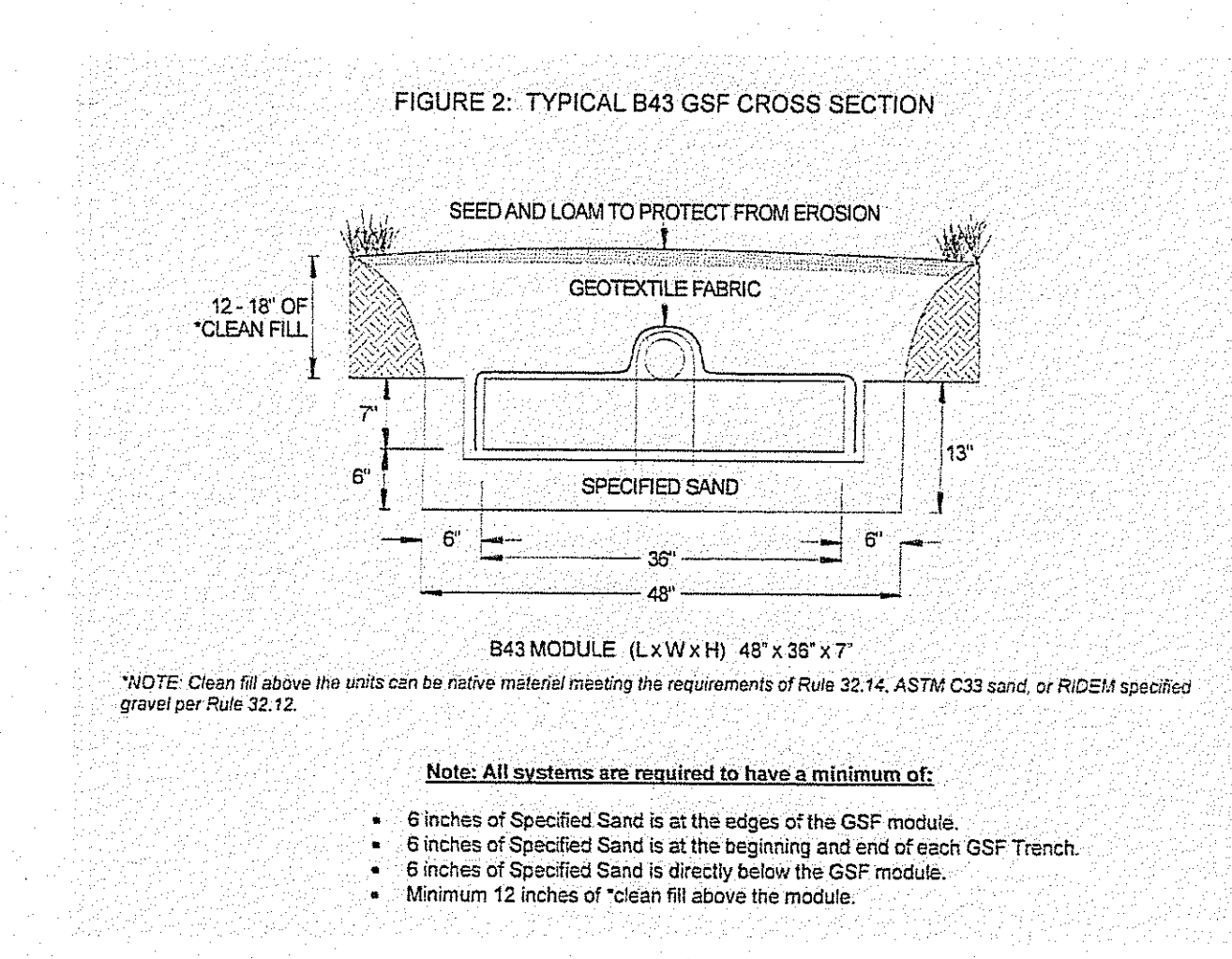
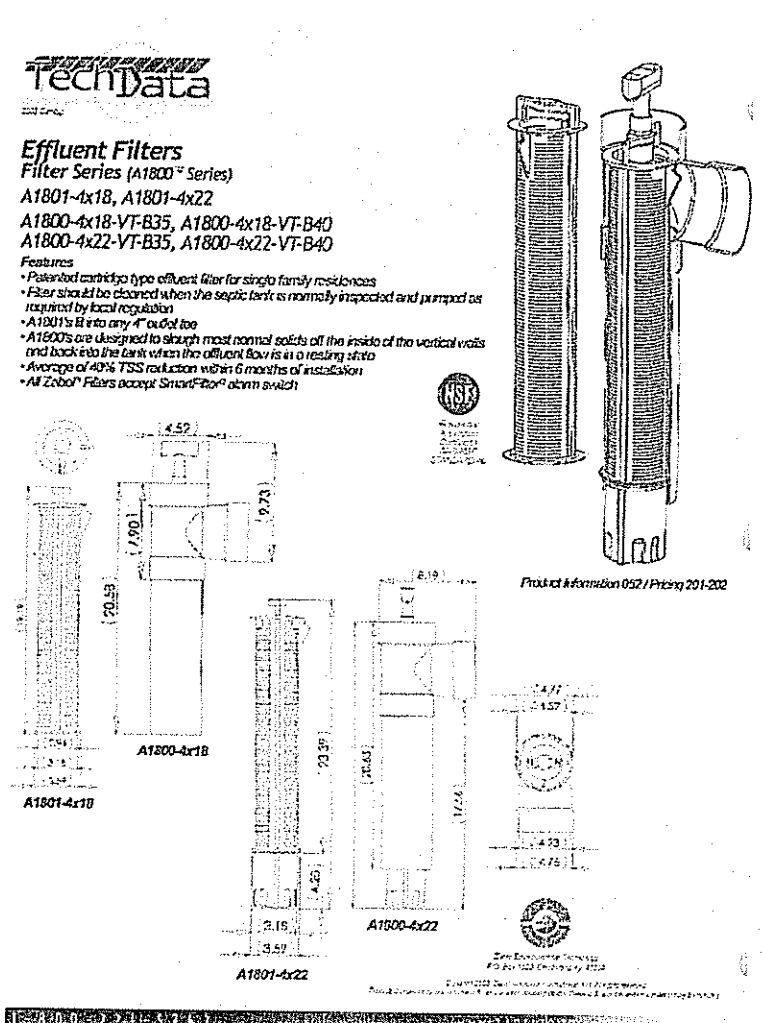
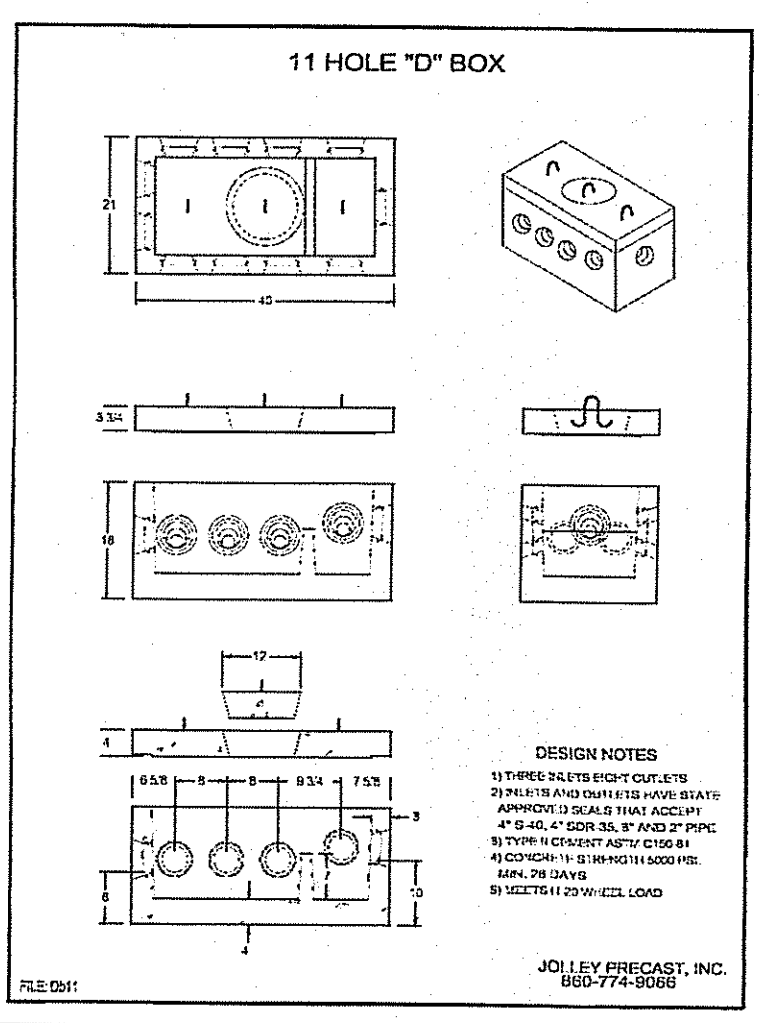
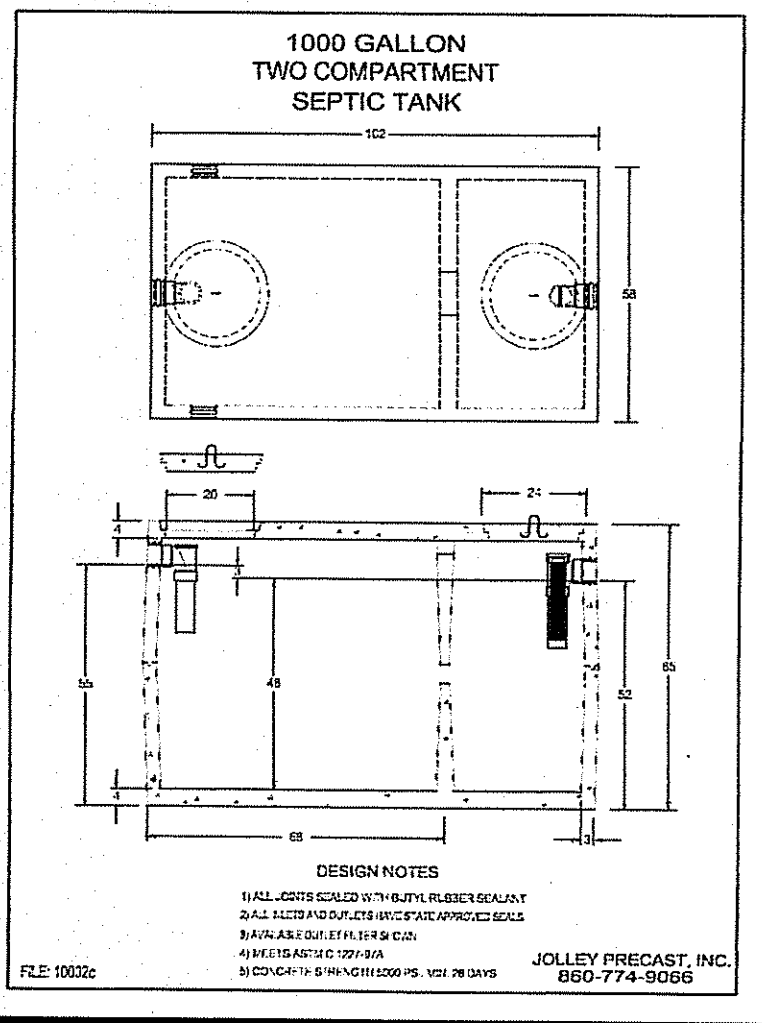
NOTE: 4 inch distribution pipe used to connect units must be solid pipe.
 NOTE: Effluent shall be applied to trenches at least every 25 feet. See Rule 34.8.2. This can be done by "butterflying" the system at the midpoint with a D-box or installing a cross-over pipe at the mid-point of the system. Contact Eljen's Technical Service Department with any questions.
 NOTE: This design layout can also be installed in elevated or shallow placement systems. See Rule 33.5 for details.
 NOTE: "Clean fill" above the units can be native material meeting the requirements of Rule 32.14, ASTM C33 sand, or RIDEM specified gravel per Rule 32.12.

SYSTEM COMPUTATIONS:

TOTAL DAILY FLOW
 BARN
 For equipment storage non-residential use.
 Barn will be plumbed for toilets and sinks.
 USE ASSUMED DESIGN FLOW OF 230 Gal/Day

REQUIRED TANKAGE
 Per Rule 26.1 - Min. Septic Tank Size = 1000 Gal.
 Use 1000 Gal. Two Compartment Septic Tank

REQUIRED LEACHING AREA
 Use Class 3 Soil Rate = 0.70 Gal/Sq.Ft./Day
 230 Gal/Day / 0.70 Gal/Sq.Ft./Day = 328 Sq.Ft.
 Use 2 rows of 6 Eljen GSM units: 12 x 28 Sq.Ft. = 336 Sq.Ft.



Note: All systems are required to have a minimum of:
 • 6 inches of Specified Sand is at the edges of the GSF module.
 • 6 inches of Specified Sand is at the beginning and end of each GSF Trench.
 • 6 inches of Specified Sand is directly below the GSF module.
 • Minimum 12 inches of "clean fill" above the module.

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CHAREE M. JACKSON
 No. 9600
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL

**PROPOSED SITE PLAN FOR
 ONSITE WASTEWATER TREATMENT SYSTEM,
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 STORM WATER MANAGEMENT ON
 LOT 65 of AP 67**
 Lot 5A of Perkins Residential Compound Two
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 NO SCALE SHEET 2 OF 3

