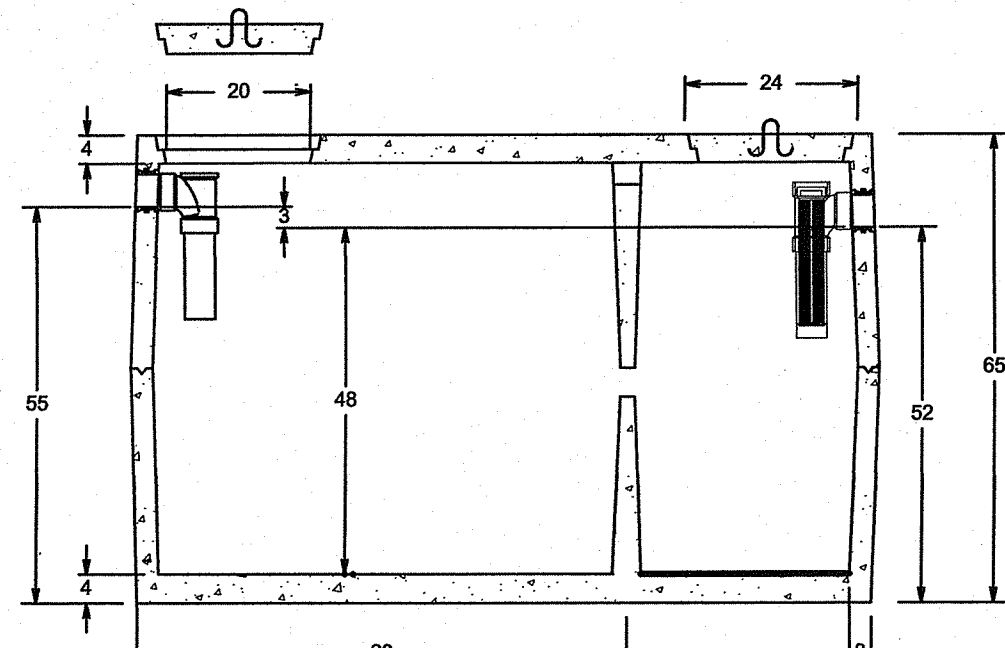
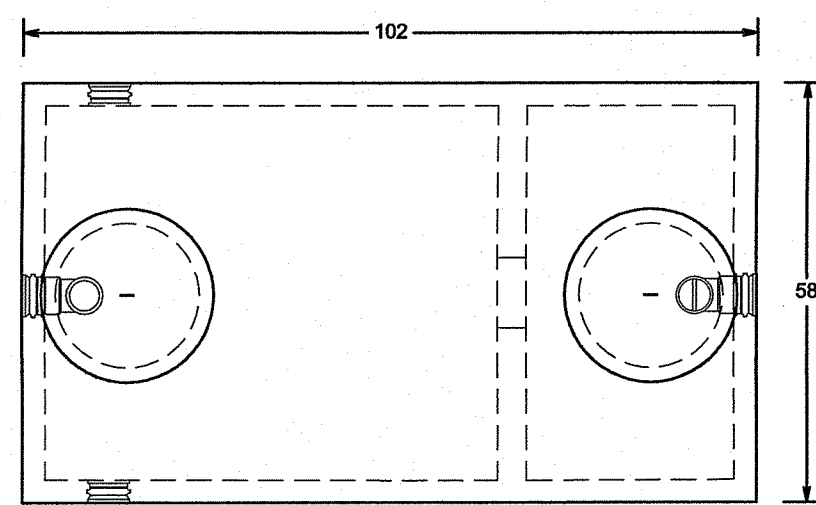


LOCUS MAP

NOT TO SCALE

BEING A.P. 35, BLOCK 2, LOT 1
AREA = 9.6 ACRES

**1000 GALLON
TWO COMPARTMENT
SEPTIC TANK**



DESIGN NOTES

- 1) ALL JOINTS SEALED WITH BUTYL RUBBER SEALANT
- 2) ALL INLETS AND OUTLETS HAVE STATE APPROVED SEALS.
- 3) AVAILABLE OUTLET FILTER SHOWN.
- 4) MEETS ASTM C 1227-97A
- 5) CONCRETE STRENGTH 5000 PSI MIN. 28 DAYS

(CERTIFIED WATERTIGHT IN FIELD)

NOTE: ACCESS LIDS SHALL WEIGH 50 lbs OR SHALL BE TAMPER RESISTANT AND MECHANICALLY FASTENED. EACH ACCESS OPENING SHALL HAVE A LABEL STATING "ENTRANCE INTO THE TANK COULD BE FATAL".

ALL PRE-ASSEMBLED TANKS SHALL BE CERTIFIED WATER TIGHT BY THE MANUFACTURER. ALL TANKS ASSEMBLED ON-SITE SHALL BE CERTIFIED WATERTIGHT IN THE FIELD. CERTIFICATE BY MANUFACTURER OR FROM ON-SITE TESTING SHALL BE INCLUDED WITH BILL OF LADEN.

TESTHOLE & PERCOLATION DATA

TH 1 - VERIFIED @ 4'-6" from OG, with 4' of fill (2011-0061)
TH 2 - VERIFIED @ 5'-6" from OG, with 3' of fill (2011-0061)

SOIL CATEGORY 7 - DESIGNED USING A LOADING RATE FACTOR OF .52 GAL/SF/DAY

Design Criteria:

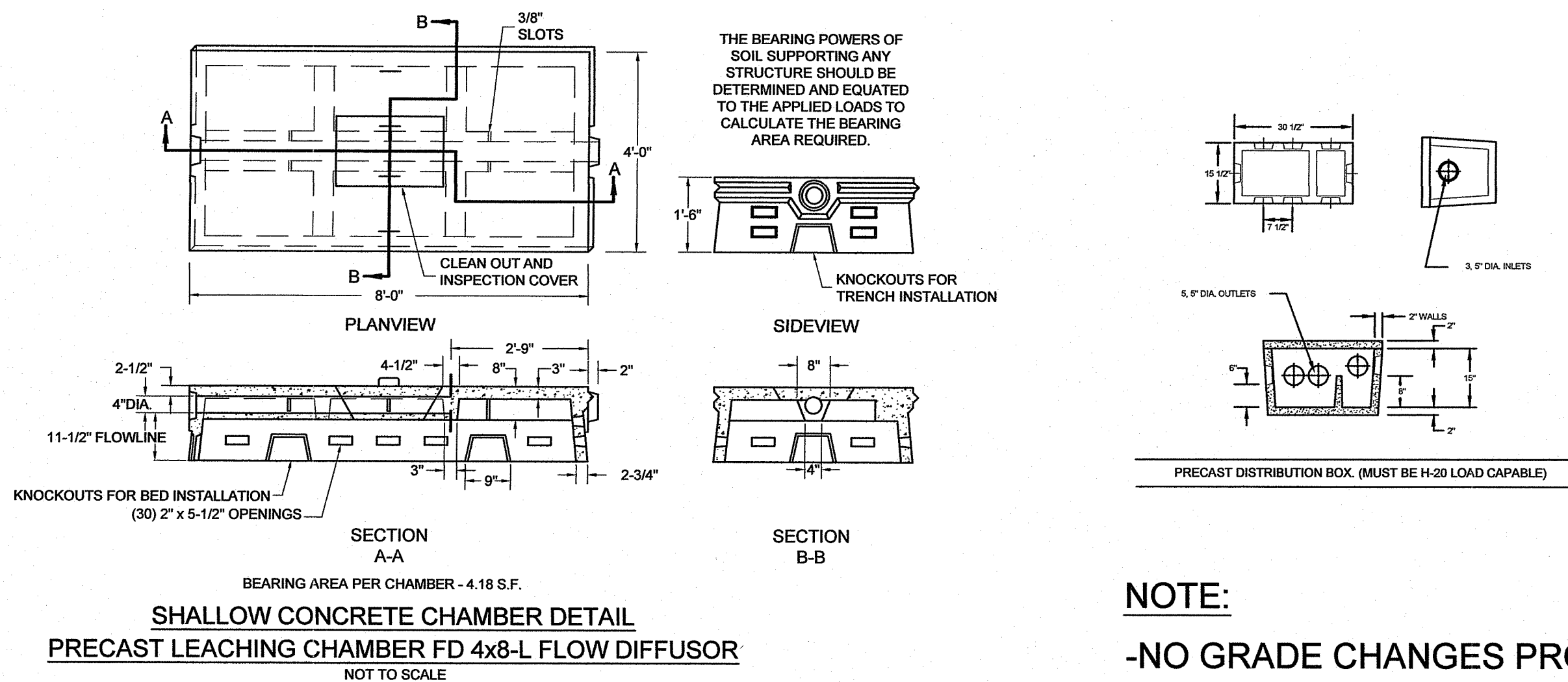
3-Bedroom Residential Dwelling @ 115 gal/day = 345 gal/day

Design Calculations:

Using Testhole # 1 - Soil Category 7 - Loading Rate Factor = 0.52
Required: 345 / 0.52 (factor) = 663
Provided: 10 Shallow Concrete Chambers (all end units)
12" stone under system - 10 End Units x 78 = 780 sf total

****NOTICE TO INSTALLER****

DESIGNER SUPERVISION REQUIRED.
CONTACT DESIGNER 48 HOURS PRIOR TO CONSTRUCTION.



**SHALLOW CONCRETE CHAMBER DETAIL
PRECAST LEACHING CHAMBER FD 4x8-L FLOW DIFFUSOR**
NOT TO SCALE

THE BEARING POWERS OF SOIL SUPPORTING ANY STRUCTURE SHOULD BE DETERMINED AND EQUATED TO THE APPLIED LOADS TO CALCULATE THE BEARING AREA REQUIRED.

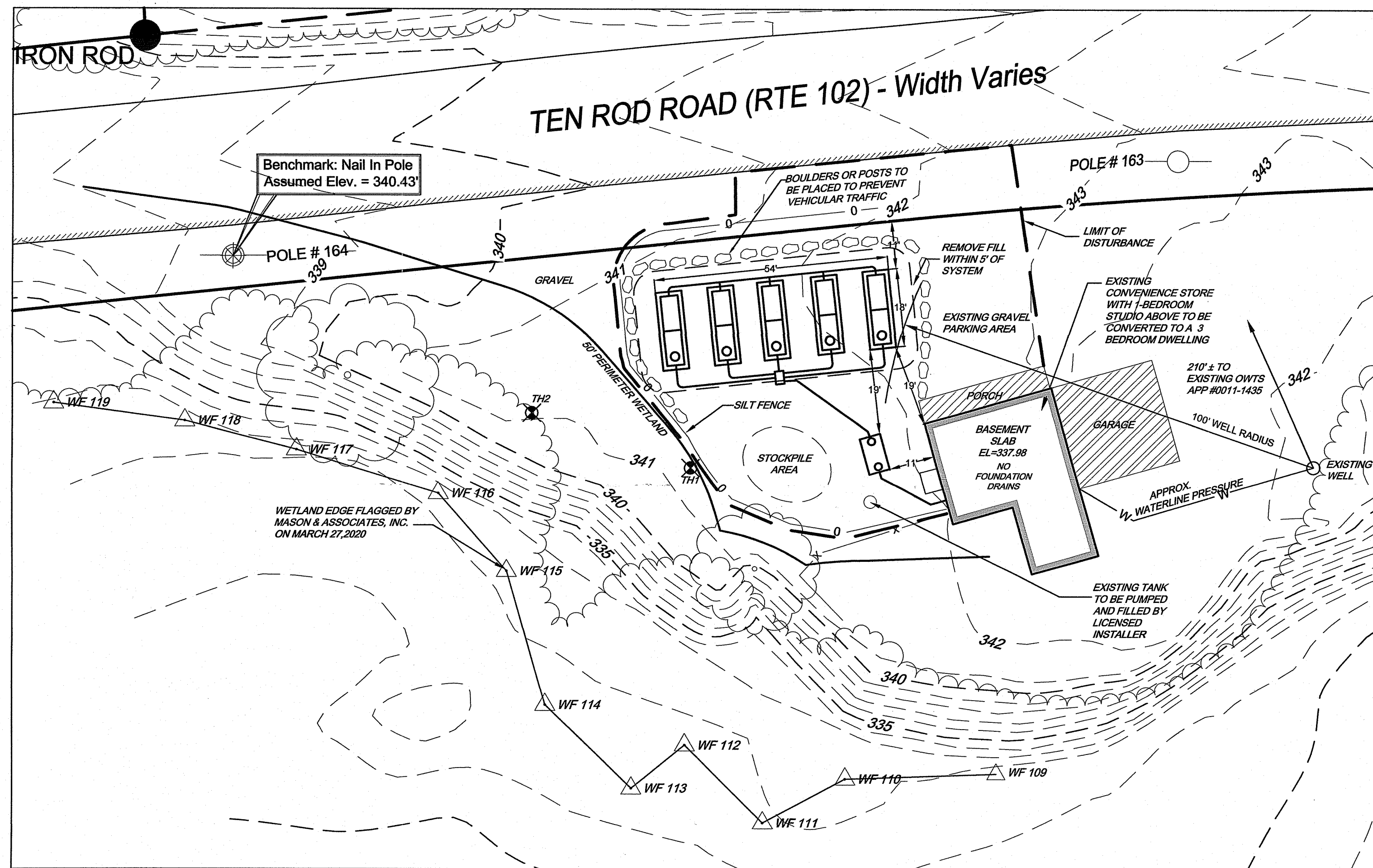
NOTE:
-NO GRADE CHANGES PROPOSED

INVERT TABLE		
ELEVATION	LOCATION	ELEVATION
A	INV. AT HOUSE	341.06
B	INV. AT SEPTIC TANK IN	340.84
C	INV. AT SEPTIC TANK OUT	340.59
D	INV. AT D-BOX IN	340.34
E	INV. AT D-BOX OUT	340.17
F	INV. AT CHAMBER	340.00
G	BOTTOM OF CHAMBERS	339.00
H	BOTTOM OF STONE	338.00
I	WATER ELEVATION	333.50
J	FINISH GRADE (MIN.)	341.50
K	FINISH GRADE (MAX.)	342.50

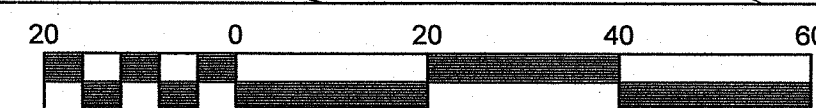
EXISTING [FIELD VERIFY]

GENERAL NOTES:

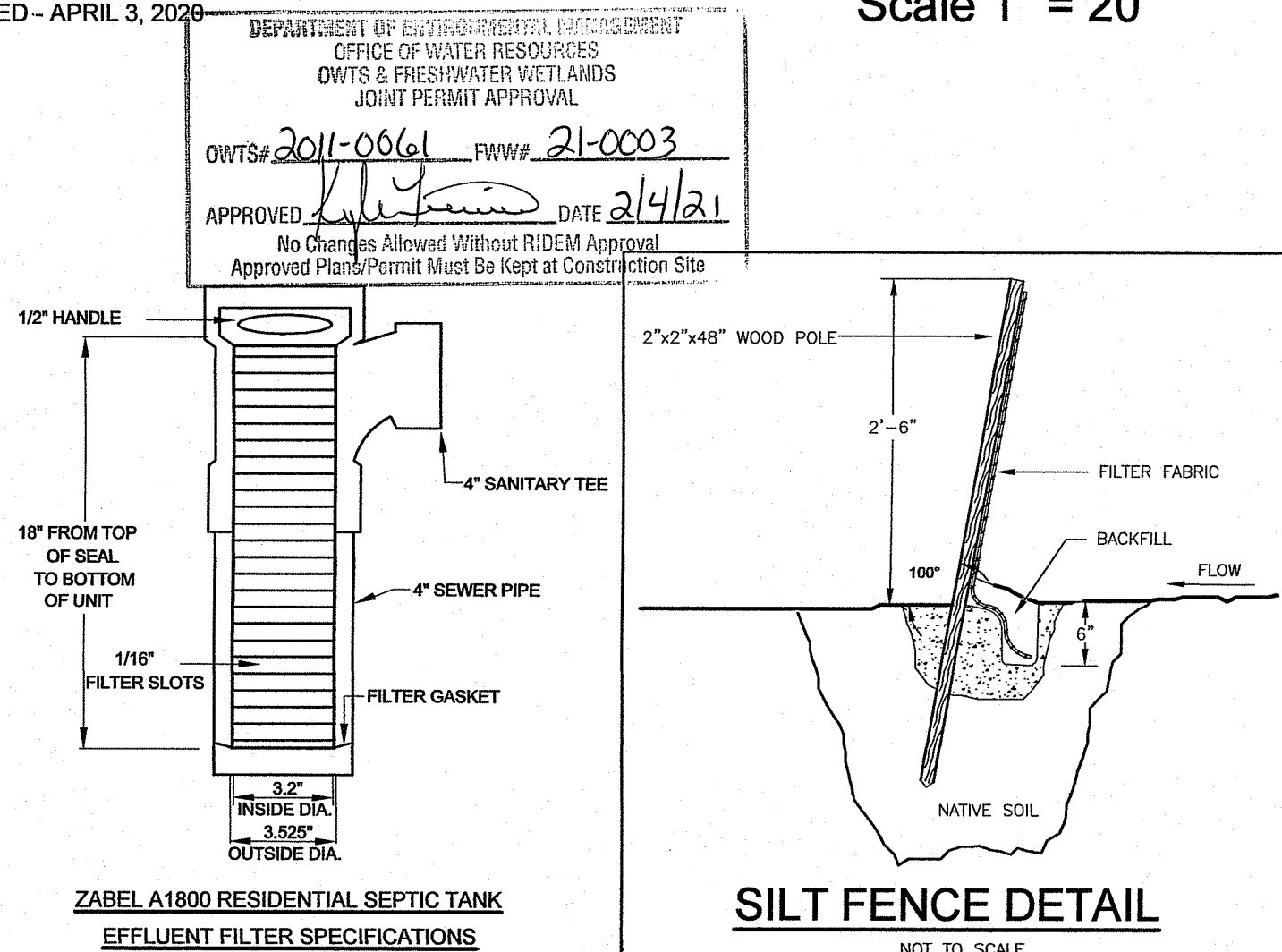
- 1) D-BOX TO BE 3 TO 3.5 SQ. FT. MINIMUM, AND BE PROVIDED WITH A SUITABLE BAFFLE. D-BOX MUST BE HS-20 RATED.
- 2) SEPTIC TANK TO BE PROVIDED WITH AN INLET TEE AND AN OUTLET TEE. MANHOLE COVER IS TO BE BROUGHT TO FINISH GRADE WITH THE RIM SET TO DIVERT SURFACE RUNOFF.
- 3) NO GRADE WITHIN 10 FEET OF THE PROPOSED SYSTEM SHALL BE LOWER THAN THE INVERTS.
- 4) NO SLOPE WITHIN 25 FEET OF THE PROPOSED SYSTEM SHALL BE GREATER THAN A 3:1 SLOPE.
- 5) THE DRAINFIELD AREA IS TO BE KEPT DEBRIS FREE AND PLANTED TO GRASS.
- 6) TREES AND SHRUBS ARE TO BE KEPT A MINIMUM DISTANCE OF 10' FROM THE DRAINFIELD.
- 7) THERE ARE NO PUBLIC SEWERS WITHIN 200 FEET OF THE PROPERTY OTHER THAN SHOWN ON PLAN.
- 8) THERE ARE NO WELLS WITHIN 200 FEET OF THE PROPOSED OWTS OTHER THAN SHOWN ON PLAN.
- 9) THERE ARE NO OWTS WITHIN 200 FEET OF THE PROPOSED WELL OTHER THAN SHOWN ON PLAN.
- 10) THERE ARE NO DRAINS WITHIN 200 FEET OF THE PROPOSED OWTS OTHER THAN SHOWN ON PLAN.
- 11) THERE ARE NO PUBLIC WELLS WITHIN 500' OF THE PROPOSED OWTS OTHER THAN SHOWN ON PLAN.
- 12) THERE ARE NO OWTS WITH A FLOW GREATER THAN 1,000 gpd WITHIN 400' OF THE PROPOSED WELL OTHER THAN SHOWN ON PLAN.
- 13) THERE ARE NO WATERCOURSES, WETLANDS OR DRAINS WITHIN 200' OF THE PROPOSED OWTS OTHER THAN SHOWN ON PLAN.
- 14) AREA BETWEEN THE DISPERSAL TRENCHES SHALL REMAIN UNDISTURBED.
- 15) AREA OF CHAMBERS TO BE STRIPPED 10 FEET ON ALL SIDES OF ALL TREES, STUMPS, BOULDERS, AND BRUSH.
- 16) IF THE INVERT IS ABOVE ORIGINAL GRADE: PER RULE 6.34.F.1 THE LEACHFIELD AND FIVE (5) FEET BEYOND THE LEACHFIELD SHALL BE STRIPPED OF ALL TOPSOIL (A HORIZONS), IN ORDER TO AVOID COMPACTION OF THE B SOIL HORIZON, ONLY TRACKED VEHICLES SHALL BE ALLOWED IN THIS AREA. PER RULE 6.34.F.2 PROPERLY COMPACTED GRAVEL THAT MEETS THE REQUIREMENTS OF RULE 6.33.M SHALL BE PLACED THROUGHOUT THE EXCAVATION THAT WILL BE TWO (2) INCHES ABOVE THE TOP OF THE DISTRIBUTION LINES. DISPERSAL TRENCHES SHALL BE EXCAVATED OUT OF THE COMPACTED GRAVEL. THERE SHALL BE A MINIMUM SIX (6) INCH GRAVEL BASE LAYER MEETING THE REQUIREMENTS OF RULE 6.33.M BELOW THE STONE.
- 17) ALL PRE-ASSEMBLED SEPTIC TANKS SHALL BE CERTIFIED WATER TIGHT BY THE MANUFACTURER. ALL TANKS ASSEMBLED ON-SITE SHALL BE CERTIFIED WATERTIGHT IN THE FIELD. CERTIFICATE BY MANUFACTURER OR FROM ON-SITE TESTING SHALL BE INCLUDED WITH BILL OF LADEN.
- 18) ALL GRAVITY LINES TO BE 4 INCH DIAMETER P.V.C. SCHEDULE 35 OR EQUAL. MINIMUM SLOPE OF 1%. SLOPES GREATER THAN 5% SHALL BE PROHIBITED. ALL PRESSURE LINES SHALL BE PVC (CLASS 200 MINIMUM).
- 19) THESE PLANS ARE FOR THE SOLE PURPOSE OF DESIGN, APPROVAL AND INSTALLATION OF THE PROPOSED ONSITE WASTEWATER TREATMENT SYSTEM ONLY, AND HAS NOTHING TO DO WITH THE CONSTRUCTION OF THE PROPOSED BUILDING SHOWN OTHER THAN THE APPROXIMATE LOCATION AND ORIENTATION.
- 20) THE USE OF GARBAGE DISPOSALS IS STRICTLY PROHIBITED.
- 21) THE USE OF TUBS EQUAL TO OR GREATER THAN 100 GALLONS IS STRICTLY PROHIBITED.
- 22) ALL CONSTRUCTION TO BE IN ACCORDANCE WITH THE RIDEM ONSITE WASTEWATER TREATMENT SYSTEMS REGULATIONS.
- 23) BILL OF LADEN SHALL BE PROVIDED TO THE DESIGNER FOR ALL SYSTEM COMPONENTS.
- 24) ACCESS LIDS SHALL WEIGH 50 lbs OR SHALL BE TAMPER RESISTANT AND MECHANICALLY FASTENED. EACH ACCESS OPENING SHALL HAVE A LABEL STATING "ENTRANCE INTO THE TANK COULD BE FATAL".



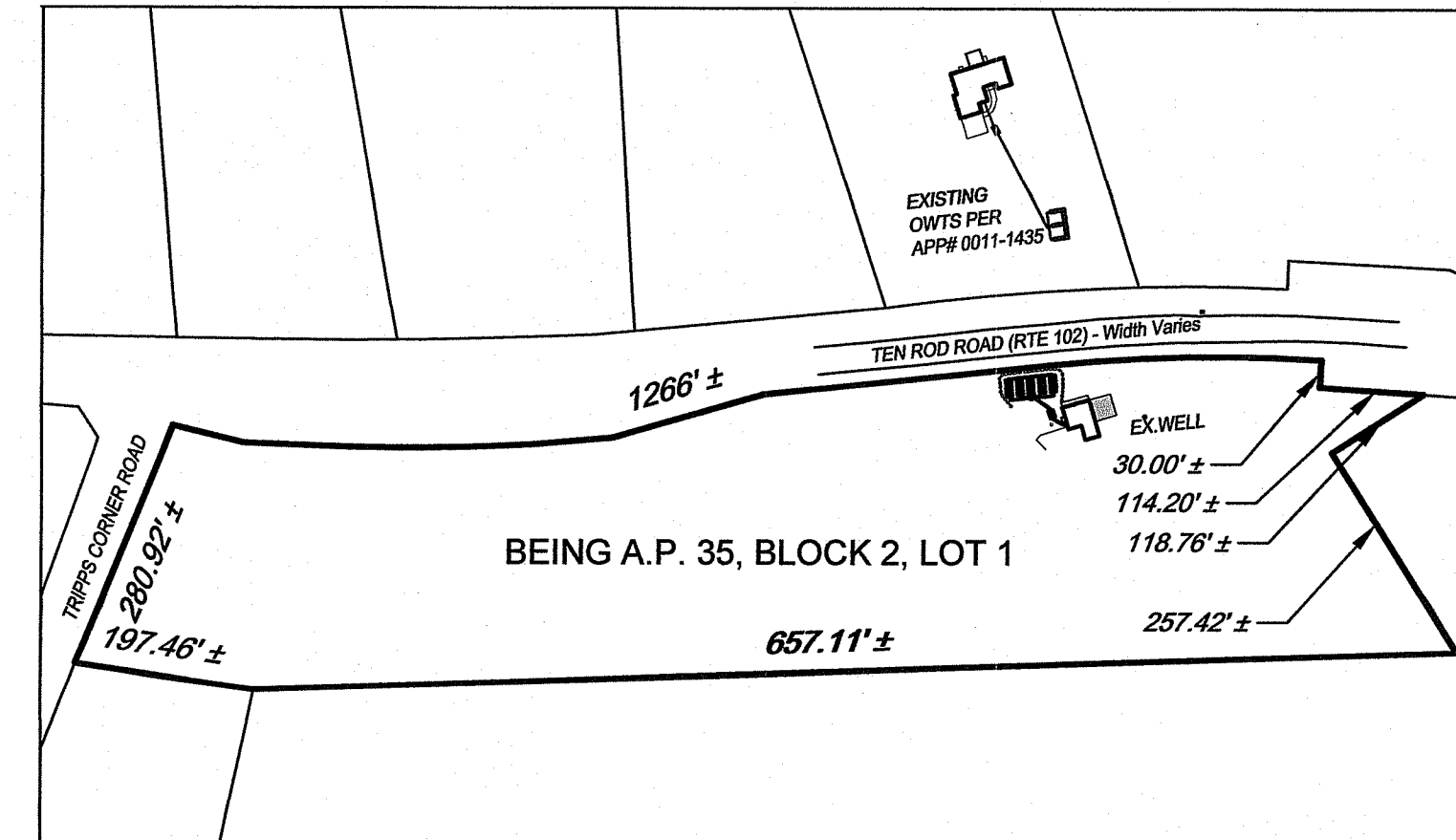
FEMA DETERMINATION
ZONE "X" - AREA OF MINIMAL FLOOD HAZARD
PANEL NO. - 44009C0080 J
REVISED - APRIL 3, 2020



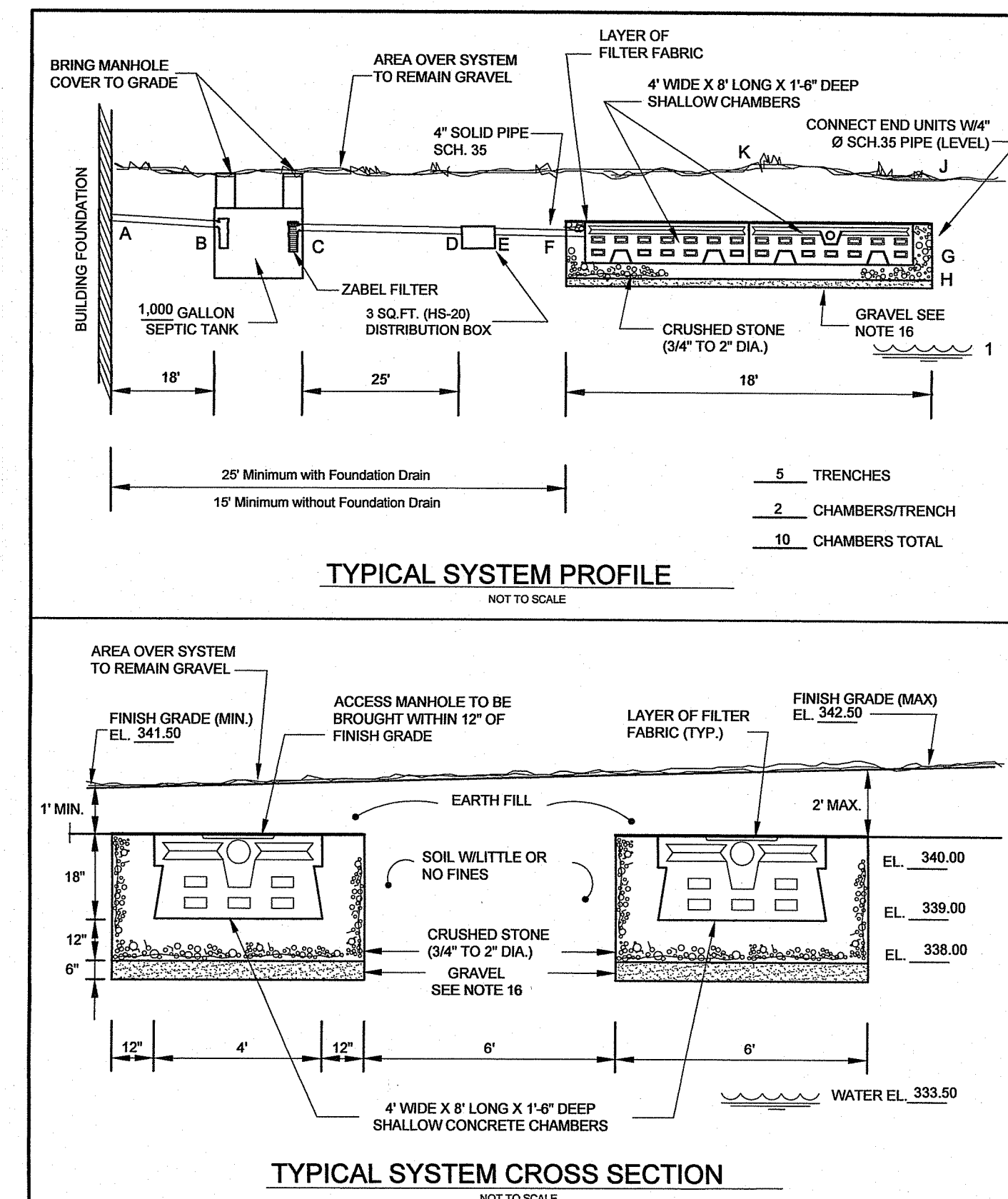
Scale 1" = 20'



**ZABEL A1800 RESIDENTIAL SEPTIC TANK
EFFLUENT FILTER SPECIFICATIONS**
NOT TO SCALE



OVERALL SITE VIEW
SCALE 1" = 200'



NOTE

THIS PLAN IS FOR SEPTIC PURPOSES ONLY AND DOES NOT CONSTITUTE A SURVEY

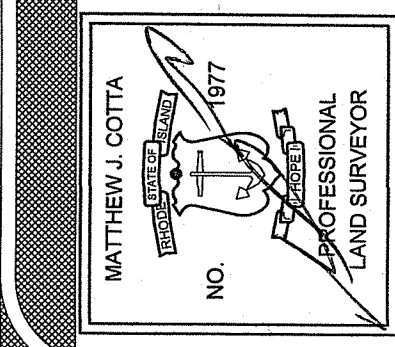
ONSITE WASTEWATER TREATMENT SYSTEM

FOR
JASON WHITFORD
LOCATED AT
900 TEN ROD ROAD
EXETER, RI

Checked By: **MJC**
Date: 11/17/2020

Drawn By: **LPG**
Scale: AS SHOWN

NO. REVISIONS
BY DATE



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Sheet

Environmental Management

JAN 08 2021

Office of Water Resources

of 1 sheets

Drawing No.

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