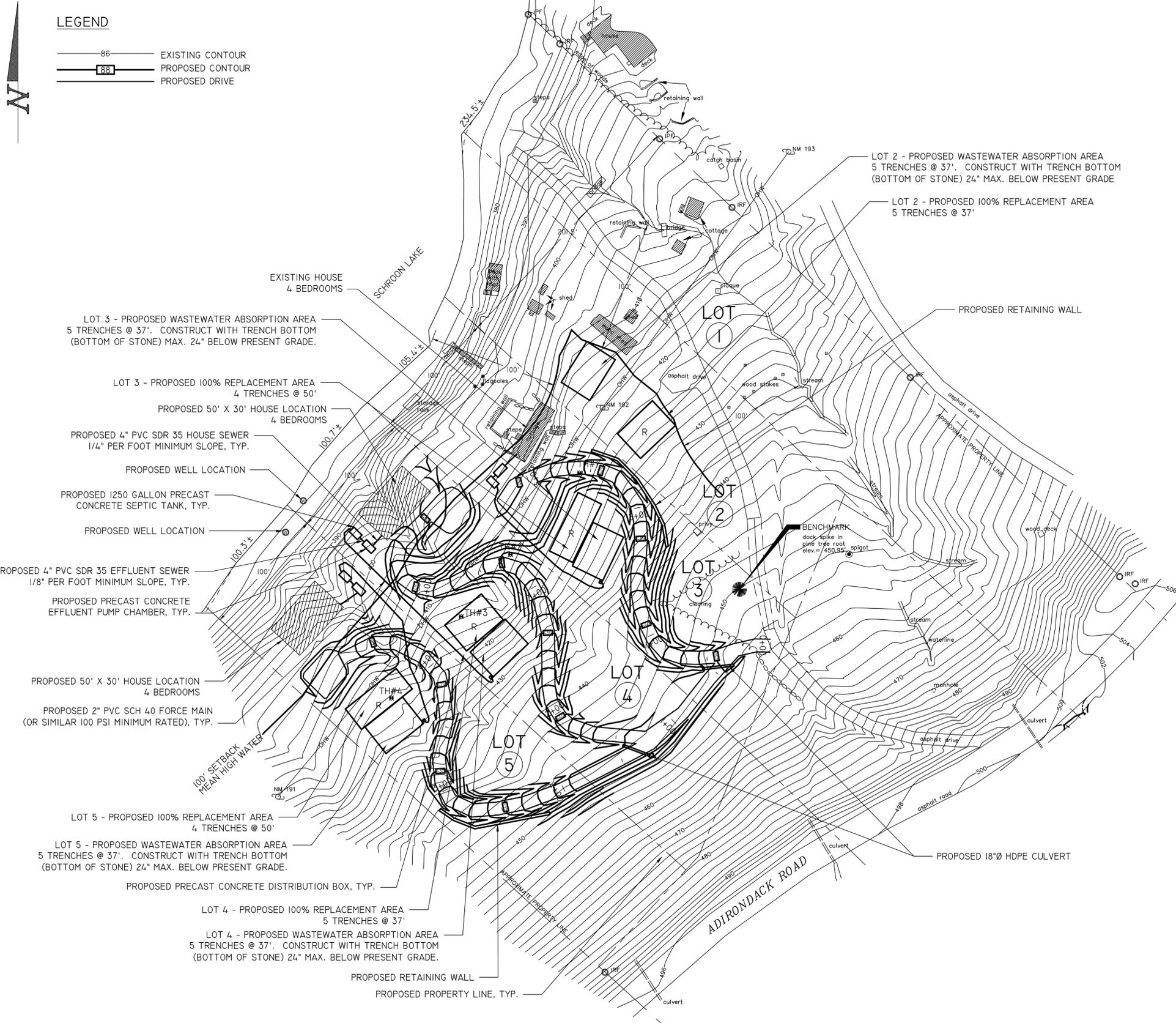


LEGEND

- 86 — EXISTING CONTOUR
- 88 — PROPOSED CONTOUR
- — PROPOSED DRIVE



SOIL TEST DATA

TH#1	TH#2	TH#3	TH#4
0" - 8"	0" - 10"	0" - 10"	0" - 8"
8" - 24"	10" - 24"	10" - 26"	8" - 28"
24" - 48"	24" - 48"	26" - 50"	28" - 48"
48" - 72"	48" - 74"	50" - 72"	48" - 72"
SEASONAL HIGH GROUND WATER @ 48"	SEASONAL HIGH GROUND WATER @ 48"	SEASONAL HIGH GROUND WATER @ 48"	SEASONAL HIGH GROUND WATER @ 48"
PERCOLATION @ 20" - 1" / 4 MINUTES	PERCOLATION @ 20" - 1" / 4 MINUTES 20 SECONDS	PERCOLATION @ 20" - 1" / 3 MINUTES 45 SECONDS	PERCOLATION @ 20" - 1" / 4 MINUTES 10 SECONDS

**PRELIMINARY
NOT FOR CONSTRUCTION**

NOTE:
- IF "AS BUILT" PLANS AND/OR DOCUMENTATION IS REQUIRED, ENGINEER MUST BE NOTIFIED AND PERFORM SITE INSPECTION PRIOR TO BACKFILL.

**TOWN OF SCHROON
ZONING ORDINANCE**

ZONE: SR-20
MIN. LOT SIZE: 20,000 SF
MIN. LOT WIDTH AT BUILDING LINE: 100 FT.
FRONT YARD SETBACK: 20 FT.
SIDE/REAR YARD SETBACK: 15 FT.
COVERAGE: 20%

SITE PLAN - LOTS 1, 2, 3, 4 & 5
1" = 40'

MAP REFERENCE
FOR COMPLETE PROPERTY SURVEY SEE
"MAP FOR JOHN W BECK, ROBERT C BECK
AND JEAN MARIE BECK N/K/A JEAN ROCKETT"
BY: JAMES NESTOR, LS DATED: 8-30-07

REVISION	DATE	NOTE

APPROVED BY:	SUBDIVISION PLAN BECK PROPERTY	SCALE: 1" = 40'	DATE: 8-7-12
	TOWN OF SCHROON ESSEX COUNTY, NEW YORK	DRAWN BY: ZNM	
		08-086	SHEET 2 OF 4

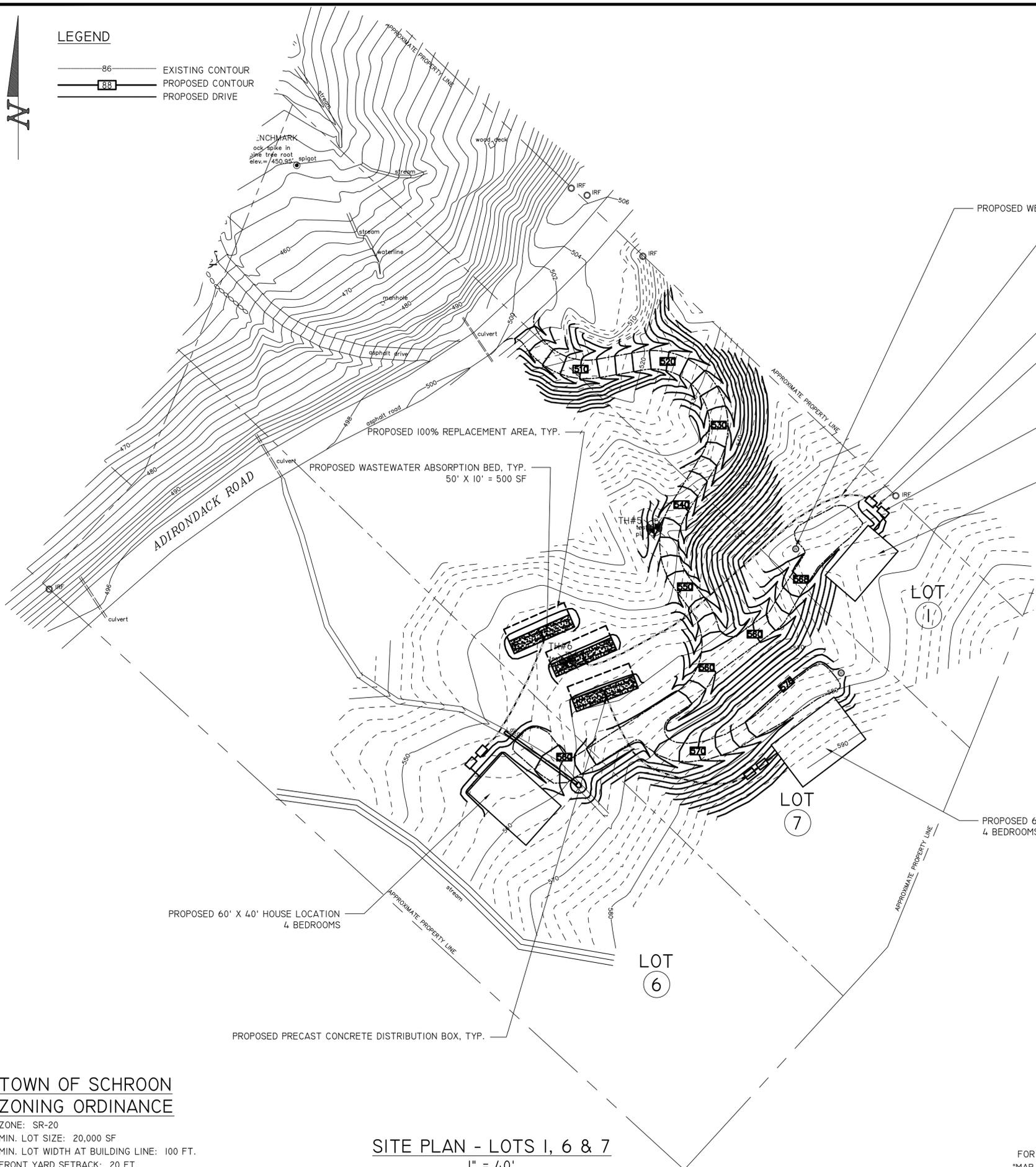
UNAUTHORIZED ALTERATION OR ADDITION TO AN ENGINEERING DOCUMENT BEARING A LICENSED PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 2309, SUBDIVISION 2, OF THE NEW YORK STATE EDUCATION LAW.

Cedarwood Engineering Services, PLLC
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JAMES F. SUOZZO, P.E. LIC. NO. 57185

LEGEND

-  86 EXISTING CONTOUR
-  88 PROPOSED CONTOUR
-  PROPOSED DRIVE



- PROPOSED WELL LOCATION, TYP.
- PROPOSED 2" PVC SCH 40 FORCE MAIN (OR SIMILAR 100 PSI MINIMUM RATED), TYP.
- PROPOSED PRECAST CONCRETE EFFLUENT PUMP CHAMBER, TYP.
- PROPOSED 2" PVC SDR 35 EFFLUENT SEWER 1/8" PER FOOT MINIMUM SLOPE, TYP.
- PROPOSED 1250 GALLON PRECAST CONCRETE SEPTIC TANK, TYP.
- PROPOSED 50' X 30' HOUSE LOCATION 4 BEDROOMS

SOIL TEST DATA

TH#5
 0" - 6" BROWN SANDY TOPSOIL
 8" - 24" RED BROWN SAND, LITTLE SILT, TRACE OF GRAVEL
 24" - 36" LIGHT BROWN TO GRAY SAND, LITTLE SILT, TRACE OF GRAVEL
 36" - 72" GRAY SAND, SOME SILT, LITTLE GRAVEL, COMPACT
 SEASONAL HIGH GROUND WATER @ 36"
 PERCOLATION @ 20" - 1 1/2 3 MINUTES 30 SECONDS

TH#6
 0" - 8" BLACK TOPSOIL
 8" - 18" RED BROWN SAND, LITTLE SILT, TRACE OF GRAVEL
 18" - 24" LIGHT BROWN TO TAN SAND, LITTLE SILT, TRACE OF GRAVEL
 24" - 36" TAN SAND, SOME SILT, SOME GRAVEL
 36" - 72" GRAY SAND, SOME SILT, LITTLE GRAVEL, COMPACT
 SEASONAL HIGH GROUND WATER @ 36"
 PERCOLATION @ 22" - 1 1/4 4 MINUTES

**PRELIMINARY
NOT FOR CONSTRUCTION**

NOTE:
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**TOWN OF SCHROON
ZONING ORDINANCE**

ZONE: SR-20
 MIN. LOT SIZE: 20,000 SF
 MIN. LOT WIDTH AT BUILDING LINE: 100 FT.
 FRONT YARD SETBACK: 20 FT.
 SIDE/REAR YARD SETBACK: 15 FT.
 COVERAGE: 20%

SITE PLAN - LOTS 1, 6 & 7
 1" = 40'

MAP REFERENCE
 FOR COMPLETE PROPERTY SURVEY SEE
 "MAP FOR JOHN W BECK, ROBERT C BECK
 AND JEAN MARIE BECK N/K/A JEAN ROCKETT"
 BY: JAMES NESTOR, LS DATED: 8-30-07

REVISION	DATE	NOTE
APPROVED BY:		SUBDIVISION PLAN BECK PROPERTY TOWN OF SCHROON ESSEX COUNTY, NEW YORK
SCALE: 1" = 40' DATE: 8-7-12 DRAWN BY: ZNM		08-086 SHEET <u>3</u> OF <u>4</u>
JAMES F. SUOZZO, P.E. LIC. NO. 57185		Cedarwood Engineering Services, PLLC CIVIL & ENVIRONMENTAL ENGINEERING AND FACILITY OPERATIONS 8-12 Dietz Street, Suite 303 Oneonta, New York 13820 248 Main Street, PO Box 203 North Creek, New York 12853 607-432-8073 518-251-5160

ABSORPTION FIELD DESIGN DATA
LOTS 2, 3, 4 & 5

ASSUME 4 BEDROOMS (BR) AND A DESIGN PERCOLATION RATE OF 1" / 3 MIN. 45 SEC. - 4 MIN. 20 SEC. APPLICATION RATE = 1.20 GPD/SF

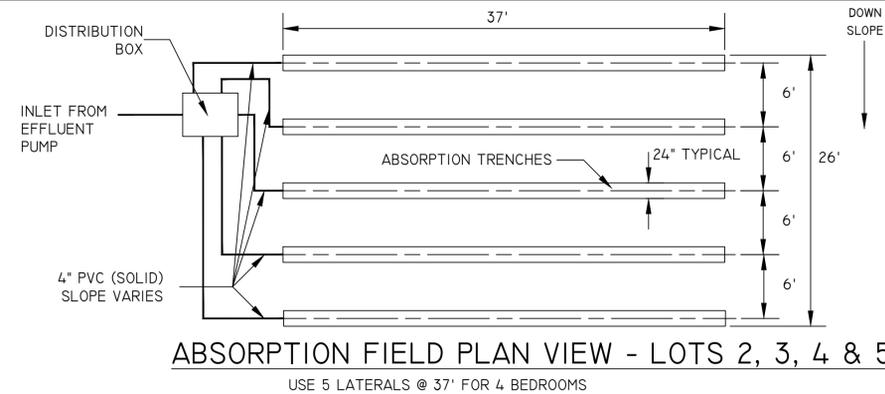
ASSUME 1.6 GALLON/FLUSH TOILETS AND 3.0 GALLON/MINUTE FAUCETS/SHOWERHEADS

DESIGN FLOW = 4 BR X 110 GPD/BR
DESIGN FLOW = 440 GPD

ABSORPTION RATE = 1.2 GPD/SF
ABSORPTION AREA = 440 GPD/ 1.2 GPD/SF
ABSORPTION AREA = 367 SF

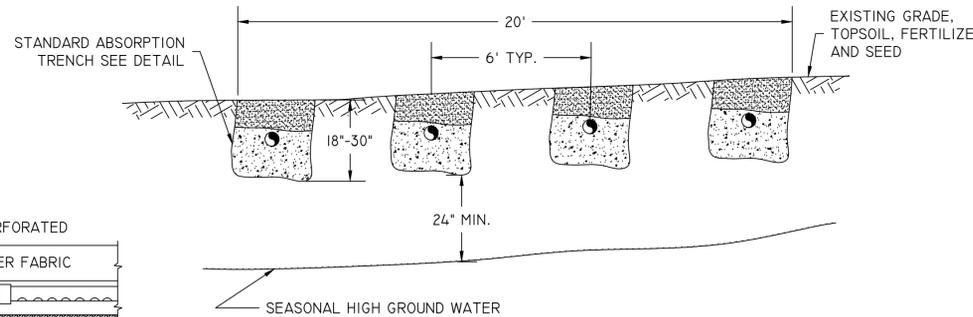
USE ABSORPTION TRENCH DESIGN
TRENCH LENGTH = 367 SF/2SF/LF
TRENCH LENGTH = 184 LF
USE 5 TRENCHES @ 37'

THIS WASTEWATER TREATMENT SYSTEM IS DESIGNED AND APPROVED BASED ON THE INSTALLATION OF WATER CONSERVING FIXTURES AND A DESIGN FLOW OF 110GPD PER BEDROOM. THE SYSTEM IS NOT DESIGNED TO ACCOMMODATE EXTREME WATER USE FIXTURES, SUCH AS JACUZZI-TYPE SPA TUBS OR WATER TREATMENT EQUIPMENT. THE INSTALLATION OF NON-CONSERVING WATER FIXTURES IS CONTRARY TO THE APPROVAL OF THIS WASTEWATER TREATMENT SYSTEM



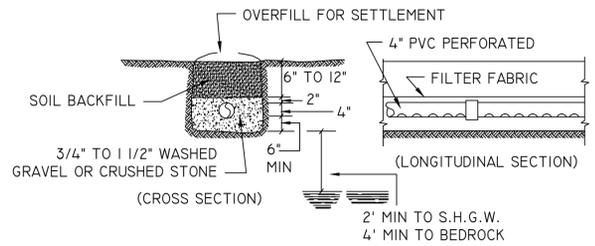
ABSORPTION FIELD PLAN VIEW - LOTS 2, 3, 4 & 5

USE 5 LATERALS @ 37' FOR 4 BEDROOMS



ABSORPTION FIELD SECTION - LOTS 2, 3, 4 & 5

USE 5 LATERALS FOR 4 BEDROOMS



TYPICAL SECTION ABSORPTION TRENCH
LOTS 2, 3, 4 & 5
(N.T.S.)

- NOTES:
- SPACE ABSORPTION TRENCHES 6' MIN O.C. OR AS NOTED
 - SLOPE PERFORATED PIPE 1/16" TO 1/32" PER FT
 - TRENCH BOTTOM LEVEL
 - DO NOT INSTALL IN WET SOIL
 - RAKE SIDES AND BOTTOM OF TRENCH BEFORE PLACING GRAVEL
 - TRENCH 24" WIDE, 30" MAXIMUM DEPTH
 - CAP LATERAL ENDS

ABSORPTION BED DESIGN DATA
LOTS 1, 6 & 7

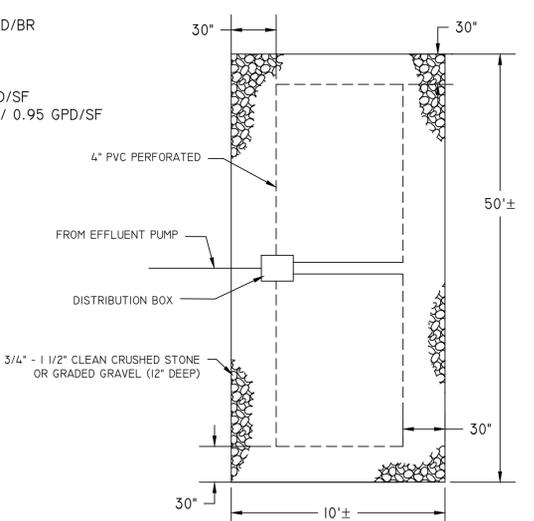
ASSUME 4 BEDROOMS (BR) AND A DESIGN PERCOLATION RATE OF 1" / 5 MINUTES

ASSUME 1.6 GALLON/FLUSH TOILETS AND 3.0 GALLON/MINUTE FAUCETS/SHOWERHEADS

DESIGN FLOW = 4 BR X 110 GPD/BR
DESIGN FLOW = 440 GPD

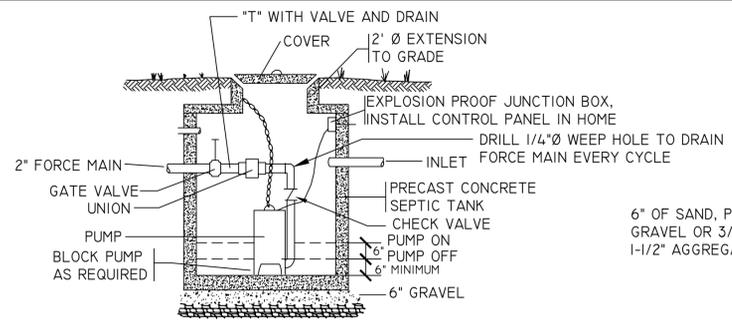
USE ABSORPTION BED
ABSORPTION RATE = 0.95 GPD/SF
ABSORPTION AREA = 440 GPD/ 0.95 GPD/SF
ABSORPTION AREA = 463 SF

TRY 50' X 10' BED
50' X 10' = 500 SF OK



ABSORPTION BED PLAN VIEW
LOTS 1, 6 & 7
(NTS)

- NOTES:
- CONSTRUCT BED WITH BOTTOM OF STONE 12" MAXIMUM BELOW ORIGINAL GRADE
 - HEAVY AND ALL RUBBER-TIRED EQUIPMENT SHALL BE KEPT OUTSIDE THE PROPOSED BED AREA
 - GRADE STONE WITH LIGHT TRACKED EQUIPMENT
 - HAND RAKE THE SIDES AND BOTTOM OF EXCAVATED AREA

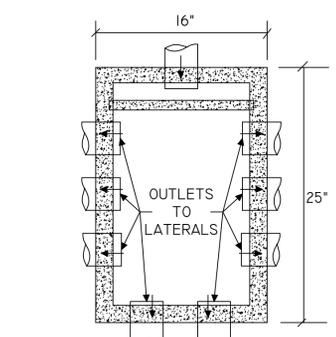


- NOTES:
- SEAL ALL OPENINGS WATERTIGHT
 - SET ALARM 6" ABOVE "PUMP ON"
 - INSTALL POWER AND CONTROL WIRES TO CONTROLLER LOCATED IN HOUSE
 - USE 1000 GALLON SEPTIC TANK FOR PUMP CHAMBER
 - INSTALL GOULDS S10015 CONTROL WITH ALARM LIGHT AND FLOAT SWITCHES AS REQUIRED - USE NEMA 1 FOR INSIDE MOUNT
 - PROVIDE "T" WITH GATE VALVE TO DRAIN
 - CONTRACTOR SHALL VERIFY EXISTING ELECTRICAL SERVICE PRIOR TO PURCHASING PUMP(S)
 - PROVIDE FROST PROTECTIVE SOIL COVER OVER FORCE MAIN

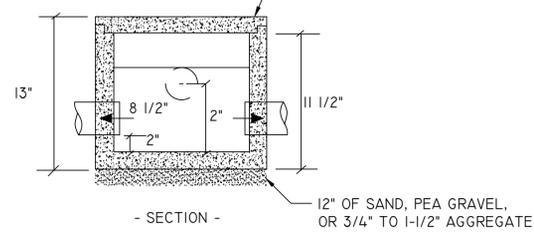
EFFLUENT PUMP DETAIL
(N.T.S.)

PUMP SCHEDULE:

LOT	TDH	PUMP MODEL NO.
1	60'	WE1012H TO PUMP 25 GPM @ 60'
2	45'	WEWS12HH TO PUMP 20 GPM @ 45'
3	50'	WE0712H TO PUMP 25 GPM @ 50'
4	45'	WE0512HH TO PUMP 20 GPM @ 45'



DISTRIBUTION BOX
(N.T.S.)



WELL DETAIL
(N.T.S.)

A 2" ANNULUS OF NEAT CEMENT OR BENTONITE GROUT IS REQUIRED. REFER TO CITED PUBLICATION FOR MINIMUM REQUIRED DEPTH OF GROUT

WATER SUPPLY WELLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH APPENDIX 5-B TITLED "STANDARDS FOR WATER WELLS"

NOTE: IF AQUIFER WATER ENTERS WATER WELL AT A DEPTH LESS THAN 50' - WELL SEPARATION DISTANCES TO CONTAMINATION SOURCES MUST BE INCREASED BY 50%.

PRELIMINARY
NOT FOR CONSTRUCTION

REVISION	DATE	NOTE

APPROVED BY: _____

DETAILS
BECK PROPERTY

TOWN OF SCHROON
ESSEX COUNTY, NEW YORK

SCALE: AS NOTED
DATE: 8-7-12
DRAWN BY: ZNM

08-086 SHEET 4 OF 4

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