

The Commonwealth of Massachusetts

**Town of Becket
Zoning Board of Appeals
557 Main Street
Becket, Massachusetts 01223
(413) 623-8934 ext. 122 fax (413) 623-6036
zba@townofbecket.org**

TOWN CLERK, TOWN OF BECKET
21 JUN 2 AM 10:23

**APPLICATION FOR SPECIAL PERMIT
UNDER THE TOWN OF BECKET ZONING BYLAWS
(Revised 11/11/2019)**

CLERICAL FEE: \$100.00

POSTAGE: ACTUAL MAILING COST TO NOTIFY ABUTTERS AND PARTIES OF INTEREST

ADVERTISING: ACTUAL COST TO PUBLISH 2 (TWO) NOTICES OF THE PUBLIC HEARING IN THE BERKSHIRE EAGLE

(Postage and advertising amounts will be provided when they are determined.)

MAP 403 LOT 4 BOOK 6212 PAGE 49

STREET ADDRESS 7140 GEORGE CARTER RD

DATE OF APPLICATION 5/20/2021

APPLICANT NAME(S) AND ADDRESS(ES) BEN ANDERSON, 1190 GEORGE CARTER RD
BECKET, MA 01223

DAYTIME PHONE # 207 664 8904 EVENING PHONE # SAME

EMAIL ADDRESS ALBATROSS BUILD @ OPTONLINE.NET

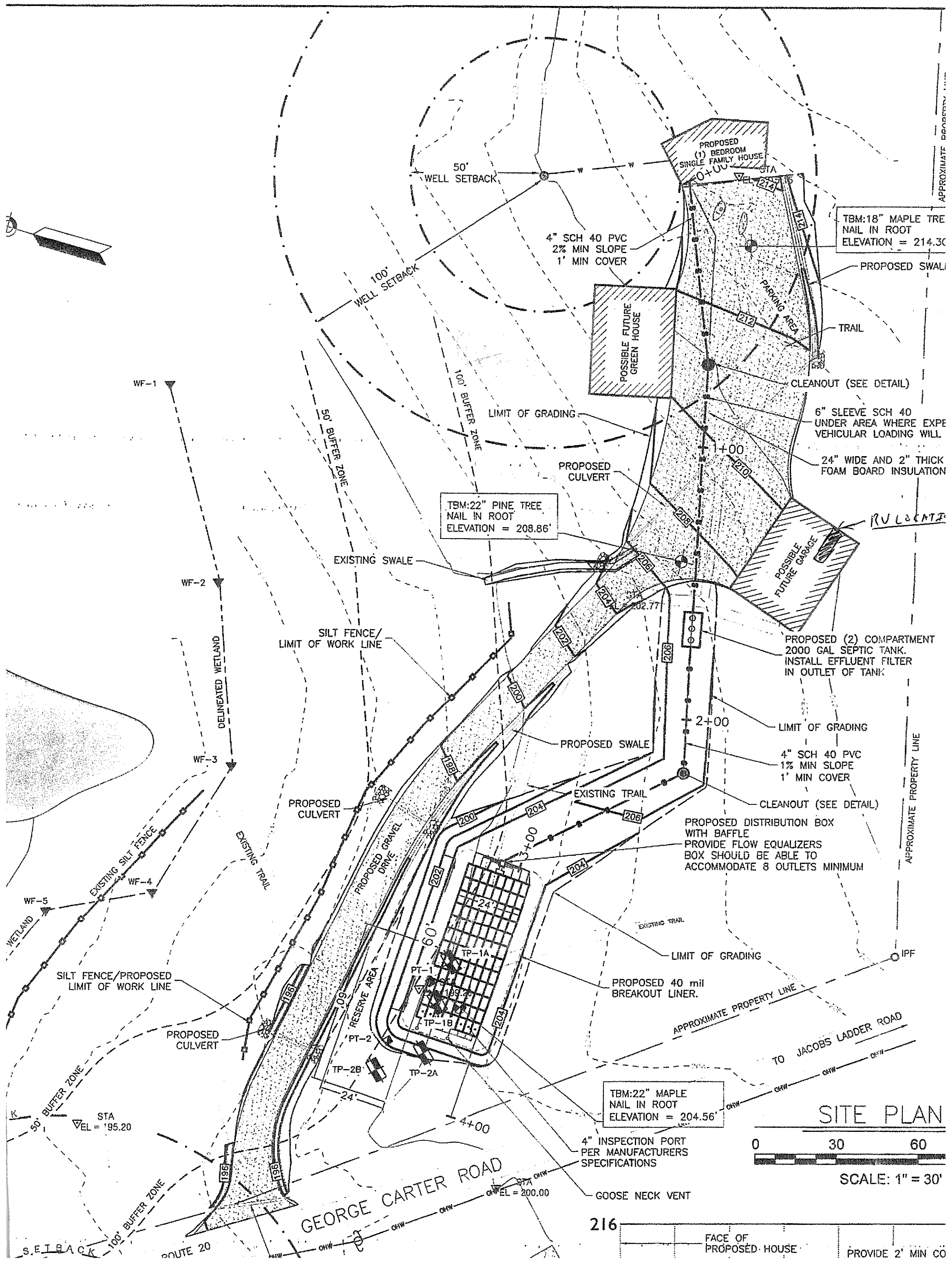
NAME AND ADDRESS OF OWNER IF DIFFERENT FROM APPLICANT N/A

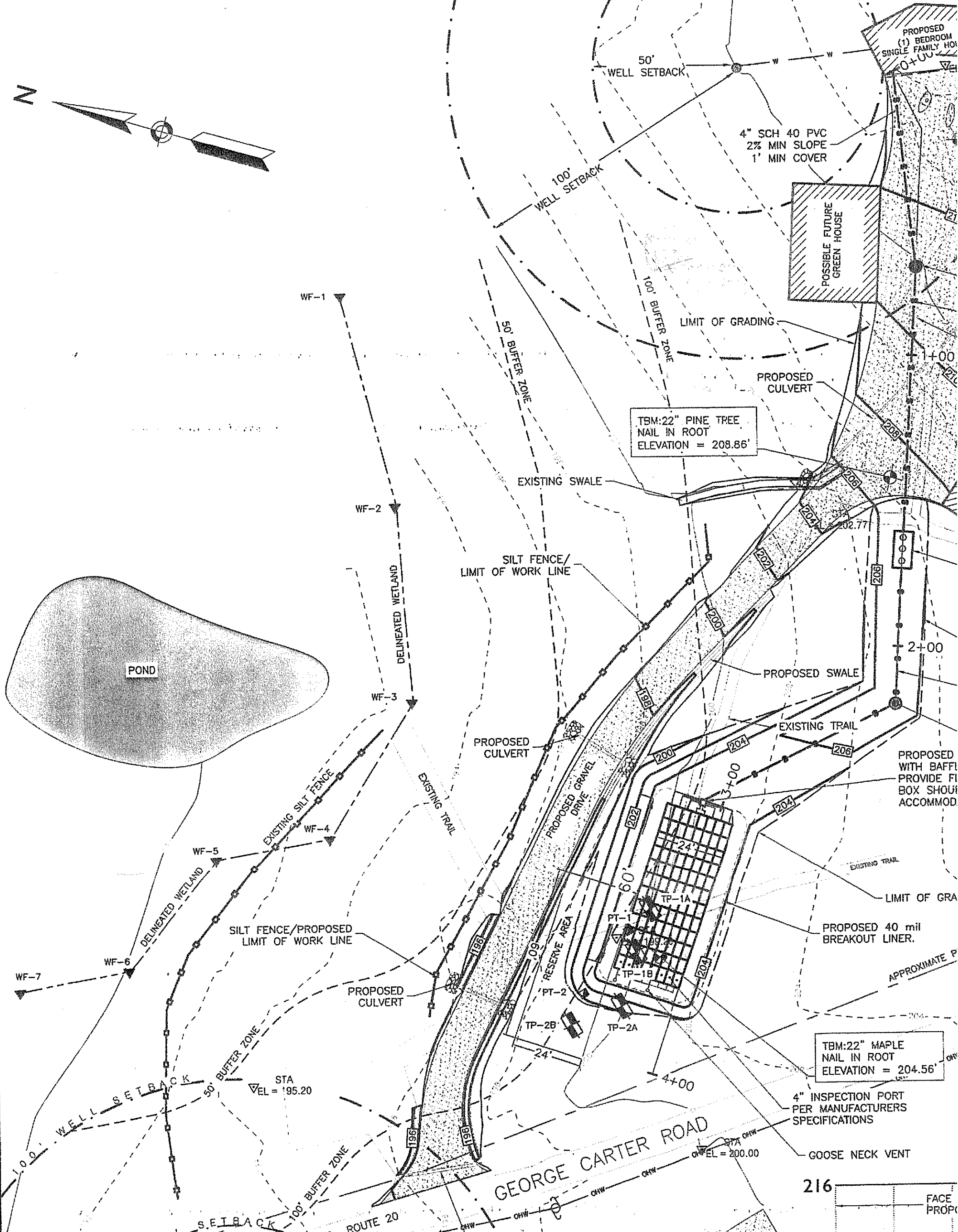
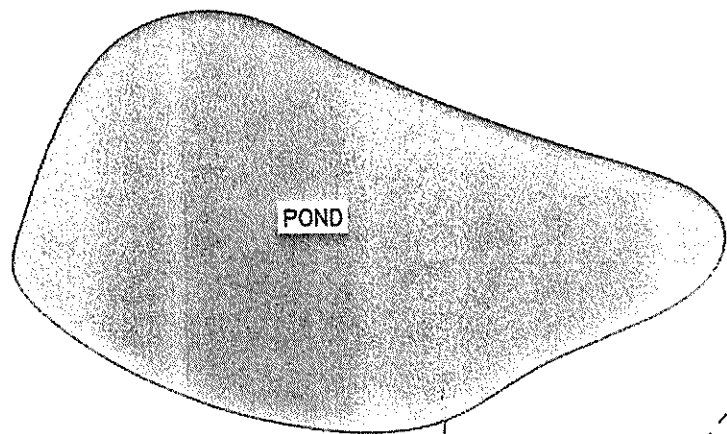
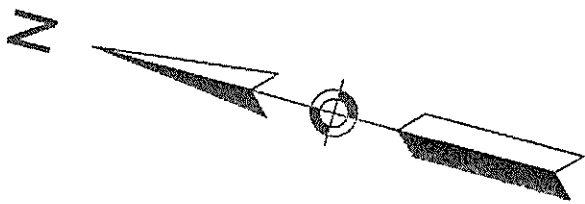
I (WE) REQUEST A SPECIAL PERMIT FOR OCCUPANCY A CAMP TRAILER
DURING CONSTRUCTION OF MY HOME. WELL PERMIT
IS FILED AND SEPTIC SYSTEM IS UNDER CONSTRUCTION
ELECTRICITY IS ON SITE AND LIVE. *

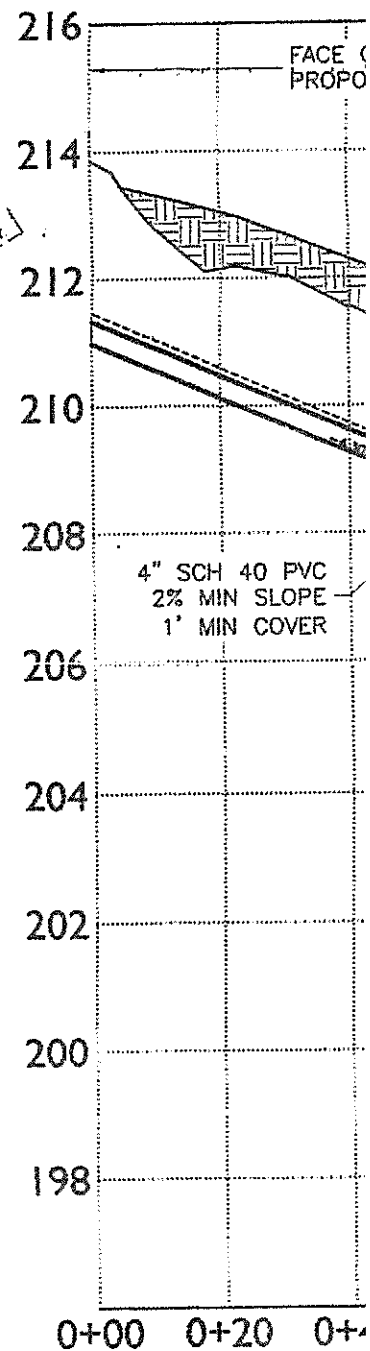
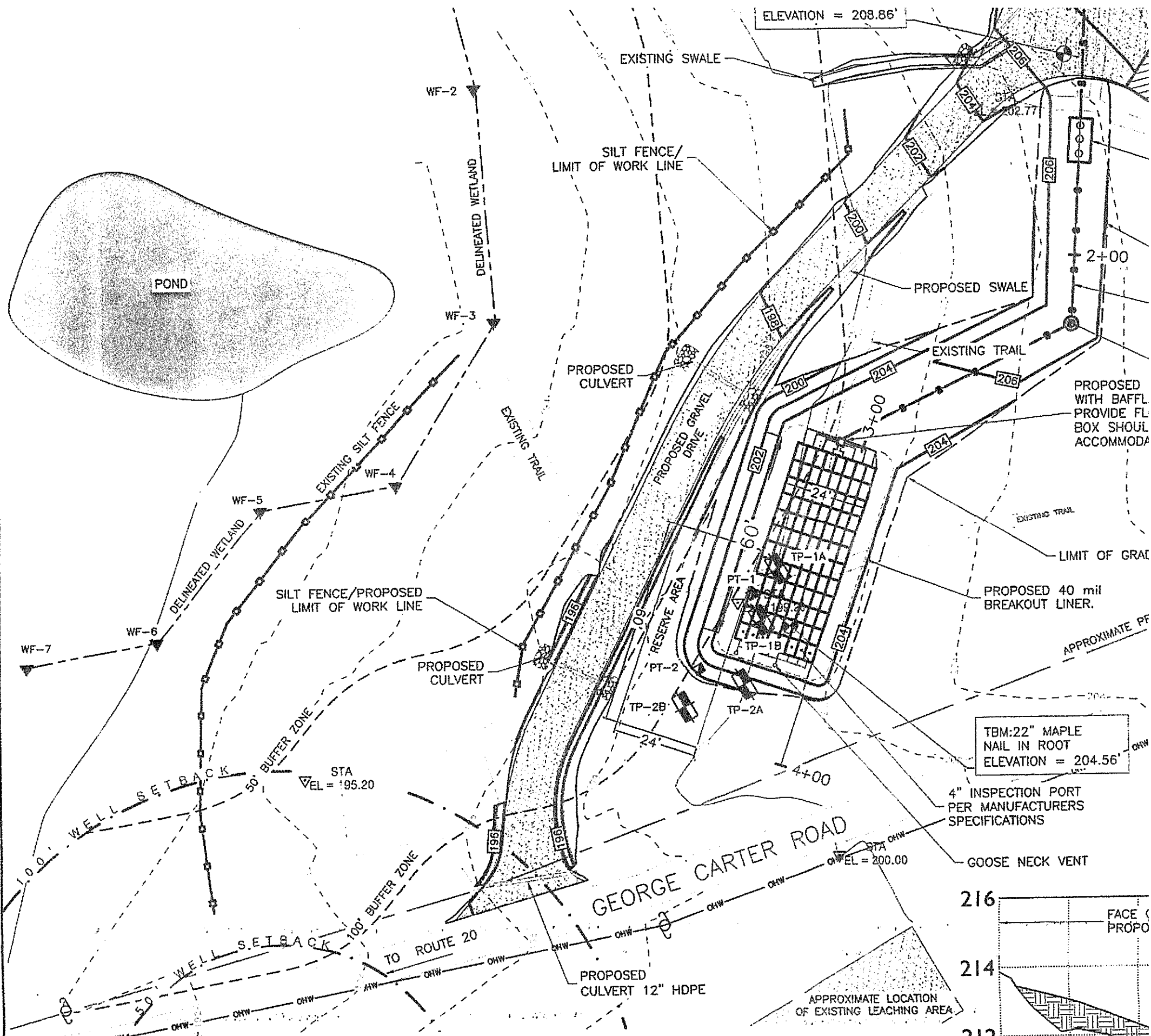
UNDER SECTION 6.2.3 OF THE TOWN OF BECKET ZONING BYLAWS.

APPLICANT [Signature] CO-APPLICANT _____

*PLEASE USE AN ADDITIONAL SHEET OF PAPER IF NECESSARY AND ATTACH IT TO THIS FORM ALONG WITH ANY OTHER INFORMATION YOU THINK MAY BE HELPFUL IN PROCESSING YOUR APPLICATION. (MAPS, ETC.)







DEEP OBSERVATION HOLE LOG #1A: 06-05-2018					
DEPTH FROM SURFACE (IN)	SOIL HORIZON	SOIL TEXTURE (USDA)	SOIL COLOR (MUNSELL)	SOIL MOTTLING	OTHER
2-0	O	FILL	5 YR 2.5/1	NONE	FRIABLE, LOOSE
0-10	A	SANDY LOAM	10 YR 3/3	NONE	FRIABLE, GRANULAR
10-28	B	SANDY LOAM	10 YR 4/4	>5% @ 28"	FRIABLE, BLOCKY
28-105	C	SANDY LOAM	10 YR 5/1	NONE	FIRM, BLOCKY

Parent Material: TILL Depth to Bedrock: NONE Standing Water in the Hole: NONE
Weeping from Pit Face: NONE Estimated Seasonal High Ground Water: 28"

DEEP OBSERVATION HOLE LOG #1B: 06-05-2018					
DEPTH FROM SURFACE (IN)	SOIL HORIZON	SOIL TEXTURE (USDA)	SOIL COLOR (MUNSELL)	SOIL MOTTLING	OTHER
0-10	A	SANDY LOAM	10 YR 3/3	NONE	FRIABLE, GRANULAR
10-29	B	SANDY LOAM	10 YR 4/4	>5% @ 29"	FRIABLE, BLOCKY
29-89	C	SANDY LOAM	7.5 YR 4/1	NONE	FIRM, BLOCKY

Parent Material: TILL Depth to Bedrock: NONE Standing Water in the Hole: NONE
Weeping from Pit Face: NONE Estimated Seasonal High Ground Water: 28"

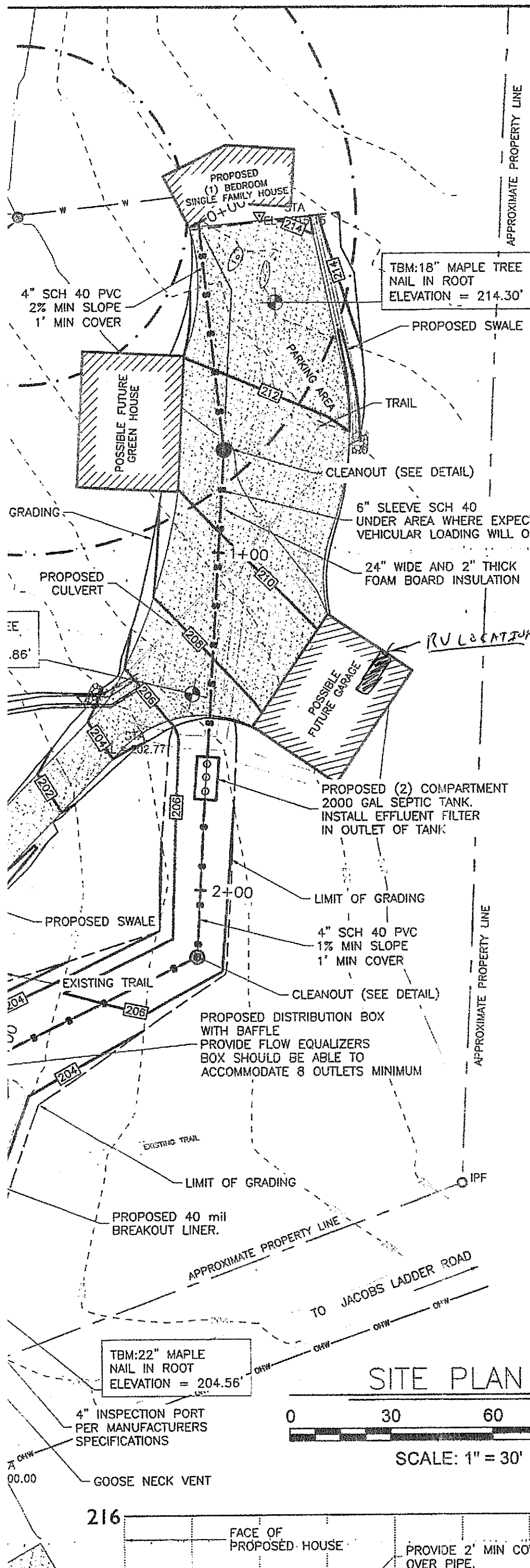
DEEP OBSERVATION HOLE LOG #2A: 06-05-2018					
DEPTH FROM SURFACE (IN)	SOIL HORIZON	SOIL TEXTURE (USDA)	SOIL COLOR (MUNSELL)	SOIL MOTTLING	OTHER
2-0	O	SANDY LOAM	5 YR 2.5/1	NONE	FRIABLE, LOOSE
0-11	A	SANDY LOAM	10 YR 3/3	NONE	FRIABLE, GRANULAR
11-18	B	SANDY LOAM	10 YR 4/4	NONE	FRIABLE, BLOCKY
18-29	C1	SANDY LOAM	7.5 YR 5/4	>5% @ 29"	FIRM, BLOCKY
29-97	C2	SANDY LOAM	7.5 YR 5/1	NONE	FIRM, BLOCKY

Parent Material: TILL Depth to Bedrock: NONE Standing Water in the Hole: NONE
Weeping from Pit Face: NONE Estimated Seasonal High Ground Water: 29"

DEEP OBSERVATION HOLE LOG #2B: 06-05-2018					
DEPTH FROM SURFACE (IN)	SOIL HORIZON	SOIL TEXTURE (USDA)	SOIL COLOR (MUNSELL)	SOIL MOTTLING	OTHER
2-0	O	SANDY LOAM	5 YR 2.5/1	NONE	FRIABLE, LOOSE
0-10	A	SANDY LOAM	10 YR 3/3	NONE	FRIABLE, GRANULAR
10-19	B	SANDY LOAM	10 YR 4/4	NONE	FRIABLE, BLOCKY
19-29	C1	SANDY LOAM	7.5 YR 5/4	>5% @ 29"	FIRM, BLOCKY
29-92	C2	SANDY LOAM	7.5 YR 5/1	NONE	FIRM, BLOCKY

Parent Material: TILL Depth to Bedrock: NONE Standing Water in the Hole: NONE

- EXISTING CONTOURS
- PROPOSED CONTOURS
- APPROXIMATE PROPERTY LINE
- WATER SUPPLY WELL SETBACK
- SILT FENCE/LIMIT OF WORK LINE
- DELINEATED WETLAND
- 100' BUFFER ZONE
- EXISTING OVER HEAD WIRE
- PROPOSED WATER LINE
- EXISTING SEWER LINE
- PROPOSED SEWER LINE
- EXISTING TREELINE



DESIGN DATA:

DAILY FLOW: (5) BEDROOMS @ 110 GAL/BEDROOM/DAY = 550 GPD
 EFFLUENT LOADING RATE: 0.25 GPD/SF PER 310 CMR 15.242
 USE INFILTRATOR ARC 36 LEACHING CHAMBERS

96 CHAMBERS @ 24 SF/CHAMBER = TOTAL AREA OF 2304 SF
 EFFECTIVE LEACHING AREA FOR CHAMBERS 4.8 SF/LF
 5 (EFFECTIVE) LF PER CHAMBER X 4.8 SF/LF = 24 SF/CHAMBER

TOTAL LEACHING CAPACITY: 2304 SF X 0.25 GAL/SF = 576 GPD

BED CONFIGURATION: (8) ROWS @ 24' X (12) UNITS @ 60'

THIS SYSTEM IS DESIGNED TO ACCOMMODATE UP TO 5 BEDROOMS (550 GPD)

PERC TEST DATA:

PERFORMED BY: WILLIAM F. ALLEN
 SE 12864
 DATE: 08-05-2018

WITNESSED BY: JAYNE SMITH
 AGENT FOR BECKETT BOARD OF HEALTH

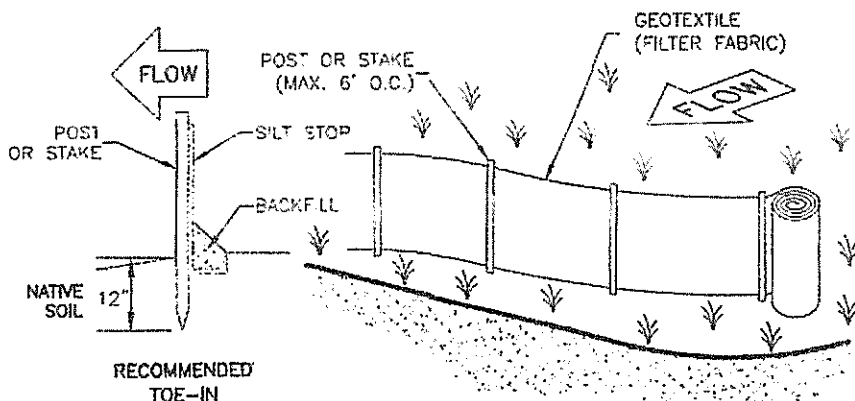
DEPTH OF PERC TEST #1: 39"
 OFFICIAL PERCOLATION RATE: 40 MPI
 DESIGN RATE: 40 MPI

DEPTH OF PERC TEST #2: 42"
 OFFICIAL PERCOLATION RATE: 12.67 MPI
 DESIGN RATE: 40 MPI

3:1 MAX SIDE SLOPE OR 2:1 WITH
 EROSION CONTROL FABRIC BY:
 NORTH AMERICAN GREEN

40 MIL BREAKOUT LINER
 BY MILLER ENVIRONMENTAL PRODUCTS
 PH: (508)-697-3710
 24" MIN BELOW GRADE

5' REQUIRED TO BREAKOUT WITH LINER
 15' REQUIRED WITHOUT LINER
 BREAKOUT ELEVATION IS MEASURED
 FROM TOP OF THE CHAMBER
 TO THE ADJACENT SIDE SLOPE.



SILT FENCE INSTALLATION DETAIL

NTS

SITE PLAN

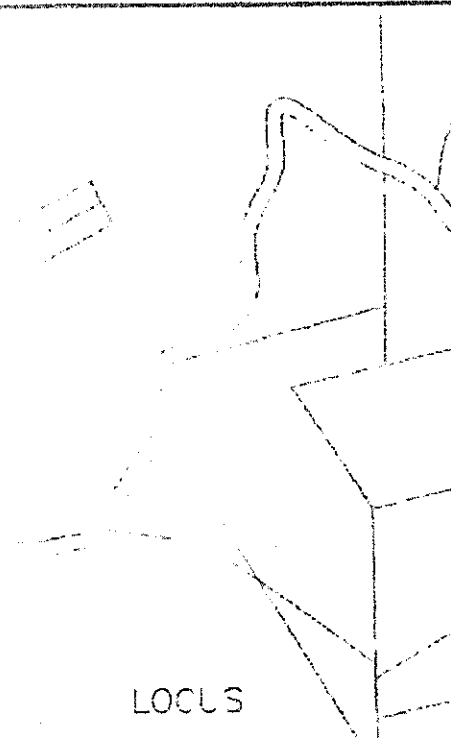


SCALE: 1" = 30'

LEGEND

-

BENCHMARK ELEVATION
SURVEY CONTROL POINT
IRON PIN/PIPE FOUND
TEST PIT LOCATION
PERC TEST LOCATION
EXISTING WELL LOCATION
UTILITY POLE
RANDOM FILL
SELECT FILL
SEE NOTES



CONTOUR INTERVAL IS 2' REFERENCED TO A
CONTRACTOR TO NOTIFY ENGINEER BEFORE PI
THOSE INDICATED ON THIS PLAN.

ALL UNDERGROUND UTILITIES AS SHOWN ARE
TO NOTIFY DIG-SAFE PRIOR TO COMMENCEME
BENCHMARK TO SUITABLE PERMANENT LOCATK
OF WORK AS NECESSARY.

ALL PROPOSED WORK SHALL BE IN COMPLIANCE WITH ALL CITY, STATE, AND FIRE CODE REQUIREMENTS. L

SYSTEM SHALL BE INSTALLED PER MANUFACTURER'S
 HEREON. NO GARBAGE DISPOSAL AND/OR BACKFLOW
 DEVICES SHALL DISCHARGE INTO THE PROPOSED

THIS PLAN IS NOT THE RESULT OF A PROPERLY CONDUCTED SURVEY. THE DIMENSIONS SHOWN ARE APPROXIMATE. PROPERTY LINE MONUMENTATION, INFORMATION PROVIDED BY THE TOWN OF BECKETT, MASS. IS ENTITLED "SURVEY OF LAND IN BECKETT, MASS. PREPARED BY DENNIS C. DRUMM & ASSOCIATES, INC. 1988".

TOPOGRAPHIC AND WETLAND MAPPING PERFORMED
DEPICTS CONDITIONS AS RECORDED IN THE F

ACCORDING TO F.E.M.A. COMMUNITY PANEL 2:
THE 100 YR FLOODPLAIN ELEVATION.

THERE ARE NO KNOWN PRIVATE WATER SUPP
ABSORPTION SYSTEM OTHER THAN SHOWN HE
WATER SUPPLY.

PARTS OF THIS PROJECT FALL UNDER THE JI
COMMISSION. OWNER/CONTRACTOR IS RESPON
PERMITS ISSUED BY THE COMMISSION AND AI

CONTRACTOR TO FIELD VERIFY ALL CRITICAL
ORDER OF PROPOSED BUILDING SEWER LINE

CONTRACTOR TO ENSURE THAT ALL SANITARY

PROPOSED GRADING SCHEME SHOWN HEREON
OF FILL ASSOCIATED WITH COMPLIANCE GUIDE
DESIGN CRITERIA. OWNER/CONTRACTOR MAY I
AND/OR FINANCIAL REQUIREMENTS OF THE O

FILL NOTES FOR PLASTIC LEACHING I
GENERAL REQUIREMENTS: THE "A" HORIZON MEASURED HORIZONTALLY UNDER THE PROPC IS TO BE REPLACED WITH THE SPECIFIED "SIDE SLOPES OF A MOUNDED SYSTEM SHALL MINIMUM DISTANCE OF 15', MEASURED HORIZ SHALL BE PROVIDED BETWEEN THE S.A.S. AN THIS DISTANCE MAY BE PROVIDED IF A SUITA SHOW USE OF "MILLER ENVIRONMENTAL BREA SUCH CASES OF STEEPLY SLOPING TOPOGRA

TOP SOIL: A MINIMUM OF 3" OF TOP SOIL S
AREA DISTURBED AREAS SHALL BE SEED

RANDOM FILL: THE FILL SHALL BE SUFFICIENT
SETTLING WHICH MAY INTERCEPT OR COLLECT
RANDOM BACKFILL MUST BE CLEAN AND FREE
TAILINGS. CLAY OR SIMILAR MATERIALS ARE F

SELECT FILL (TITLE 5 FILL) SHALL BE USED PROPOSED S.A.S. SELECT FILL SHALL CONFORM SHALL BE PROVIDED TO THE ENGINEER SHOW SHALL DEMONSTRATE THAT THE MATERIAL IS BE RETAINED ON THE #4 SIEVE AND THE FR THE FOLLOWING CRITERIA: #80-10 TO 100: THAT A CURRENT SIEVE ANALYSIS IS NOT AVAILABLE FOR ANALYSIS AT CONTRACTOR'S EXPENSE.

STRUCTURAL FILL: SHALL BE PROVIDED OVER REQUIREMENTS ARE DESIRED. 18" REQUIRE SPECIFICATIONS. THIS SYSTEM IS NOT DESIGN CONTACT ENGINEER IF SUCH LOADING IS DESIRED SHALL CONFORM TO THE FOLLOWING STANDARDS BRIDGES, GRAVEL BORROW.

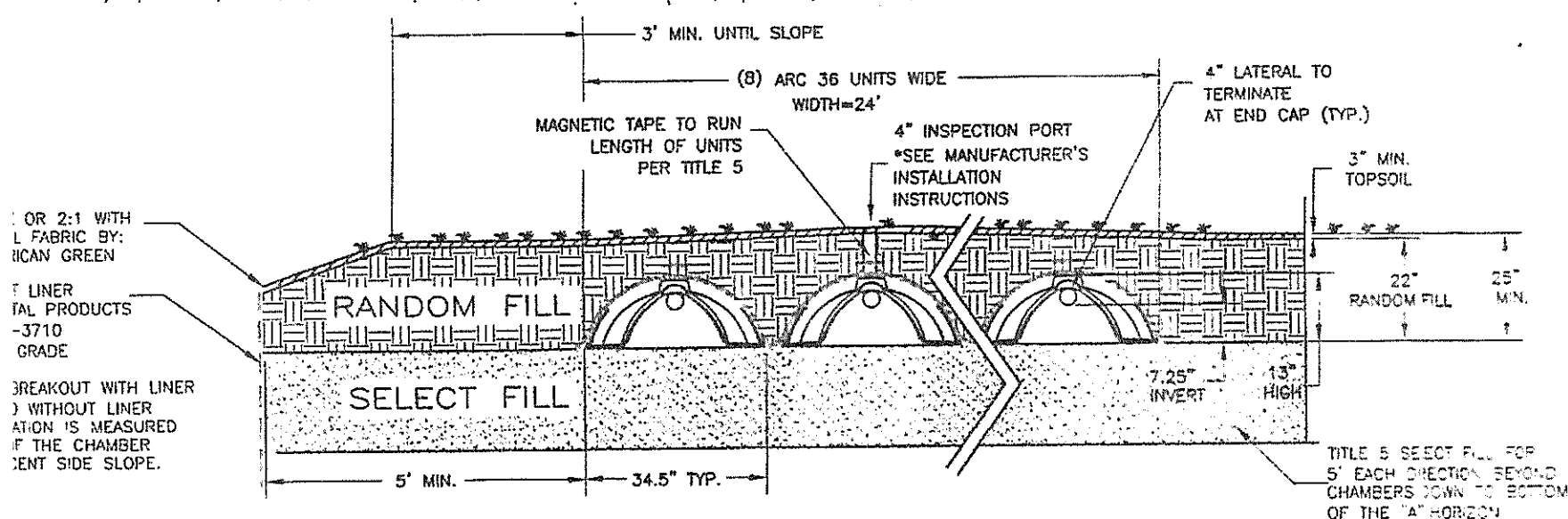
SUBSURFACE DISPOSAL SYSTEM CON
THE CONTRACTOR IS TO NOTIFY THE ENG

IT IS THE RESPONSIBILITY OF THE CONTR
ENGINEER FOR ANY INSPECTIONS REQUIR

THE CONTRACTOR IS TO INSURE THAT CC
COMPLIANCE WITH TITLE 5 REQUIREMENTS

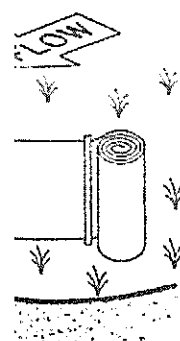
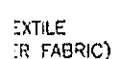
ALL PVC LINES AND FITTINGS SHALL BE
ASTM 3034 UNLESS OTHERWISE SPECIFIC
FINISH GRADE ABOVE THE LEACHING AREA
PREVENT COLLECTION OF SURFACE WATER

ALL TANKS SHALL BE SET ON A LEVEL &
COMPACTED TO ENSURE STABILITY AND P
BACKFILL AROUND TANKS IN 12"-18" LIF
FIELD MECHANICAL METHODS AS NECESSA

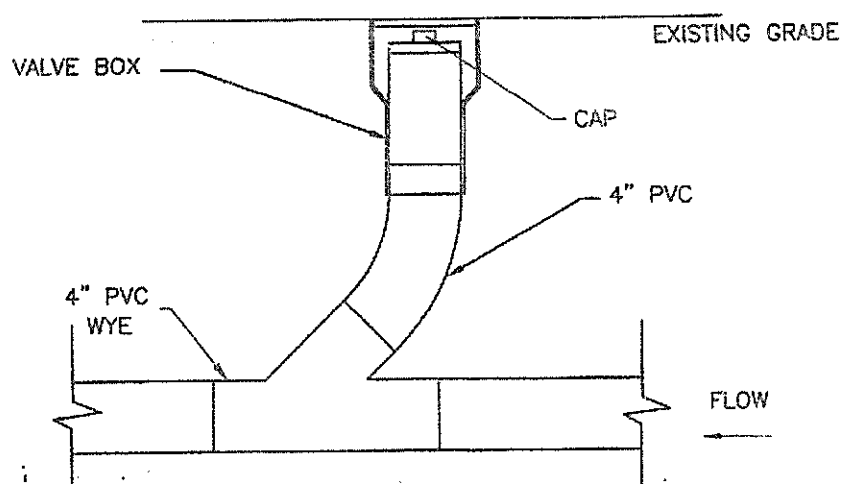


* TO BE INSTALLED PER MANUFACTURERS SPECIFICATIONS NTS

* TO BE INSTALLED PER MANUFACTURERS SPECIFICATIONS NTS



NTS



NTS

TOPOGRAPHIC AND WETLAND MAPPING PERFORMED
DEPICTS CONDITIONS AS RECORDED IN THE FIELD

ACCORDING TO F.E.M.A. COMMUNITY PANEL 250011
THE 100 YR FLOODPLAIN ELEVATION.

THERE ARE NO KNOWN PRIVATE WATER SUPPLY W
ABSORPTION SYSTEM OTHER THAN SHOWN HEREON
WATER SUPPLY.

PARTS OF THIS PROJECT FALL UNDER THE JURIS
COMMISSION. OWNER/CONTRACTOR IS RESPONSIBL
PERMITS ISSUED BY THE COMMISSION AND ANY O

CONTRACTOR TO FIELD VERIFY ALL CRITICAL INVE
ORDER OF PROPOSED BUILDING SEWER LINE FRO
CONTRACTOR TO ENSURE THAT ALL SANITARY PIP

PROPOSED GRADING SCHEME SHOWN HEREON IS
OF FILL ASSOCIATED WITH COMPLIANCE GUIDELINE
DESIGN CRITERIA. OWNER/CONTRACTOR MAY INCR
AND/OR FINANCIAL REQUIREMENTS OF THE OWNE

FILL NOTES FOR PLASTIC LEACHING CHA
GENERAL REQUIREMENTS: THE "A" HORIZON SHA
MEASURED HORIZONTALLY UNDER THE PROPOSED
IS TO BE REPLACED WITH THE SPECIFIED "SELEC
SIDE SLOPES OF A MOUNDED SYSTEM SHALL NO
MINIMUM DISTANCE OF 15', MEASURED HORIZON
SHALL BE PROVIDED BETWEEN THE S.A.S. AND TI
THIS DISTANCE MAY BE PROVIDED IF A SUITABLE
SHOW USE OF "MILLER ENVIRONMENTAL BREAKOU
SUCH CASES OF STEEPLY SLOPING TOPOGRAPHY.

TOP SOIL: A MINIMUM OF 3" OF TOP SOIL SHA
AREA. DISTURBED AREAS SHALL BE SEEDED ANI

RANDOM FILL: THE FILL SHALL BE SUFFICIENTLY
SETTLING WHICH MAY INTERCEPT OR COLLECT SU
RANDOM BACKFILL MUST BE CLEAN AND FREE OF
TAILINGS, CLAY OR SIMILAR MATERIALS ARE PROH

SELECT FILL: (TITLE 5 FILL) SHALL BE USED IN
PROPOSED S.A.S. SELECT FILL SHALL CONFORM
SHALL BE PROVIDED TO THE ENGINEER SHOWING
SHALL DEMONSTRATE THAT THE MATERIAL IS NO
BE RETAINED ON THE #4 SIEVE AND THE FRACTI
THE FOLLOWING CRITERIA: #80-10 TO 100%, #
THAT A CURRENT SIEVE ANALYSIS IS NOT AVAILA
FOR ANALYSIS AT CONTRACTOR'S EXPENSE.

STRUCTURAL FILL: SHALL BE PROVIDED OVER PL
REQUIREMENTS ARE DESIRED. 18" REQUIRED FC
SPECIFICATIONS. THIS SYSTEM IS NOT DESIGNED
CONTACT ENGINEER IF SUCH LOADING IS DESIRE
SHALL CONFORM TO THE FOLLOWING STANDARDS
BRIDGES, GRAVEL BORROW.

SUBSURFACE DISPOSAL SYSTEM CONSTI
THE CONTRACTOR IS TO NOTIFY THE ENGINE

IT IS THE RESPONSIBILITY OF THE CONTRACT
ENGINEER FOR ANY INSPECTIONS REQUIRED

THE CONTRACTOR IS TO INSURE THAT CONS
COMPLIANCE WITH TITLE 5 REQUIREMENTS.

ALL PVC LINES AND FITTINGS SHALL BE TYF
ASTM 3034 UNLESS OTHERWISE SPECIFIED.
FINISH GRADE ABOVE THE LEACHING AREA S
PREVENT COLLECTION OF SURFACE WATER.

ALL TANKS SHALL BE SET ON A LEVEL STAI
COMPACTED TO ENSURE STABILITY AND PRE
BACKFILL AROUND TANKS IN 12"-18" LIFTS
HELD MECHANICAL METHODS AS NECESSARY
SHALL BE PLACED AT THE CENTER AND OVE
AND MAINTENANCE. PROVIDE 20" MINIMUM D
OVER ACCESS PORTS TO WITHIN 6" OF FIN

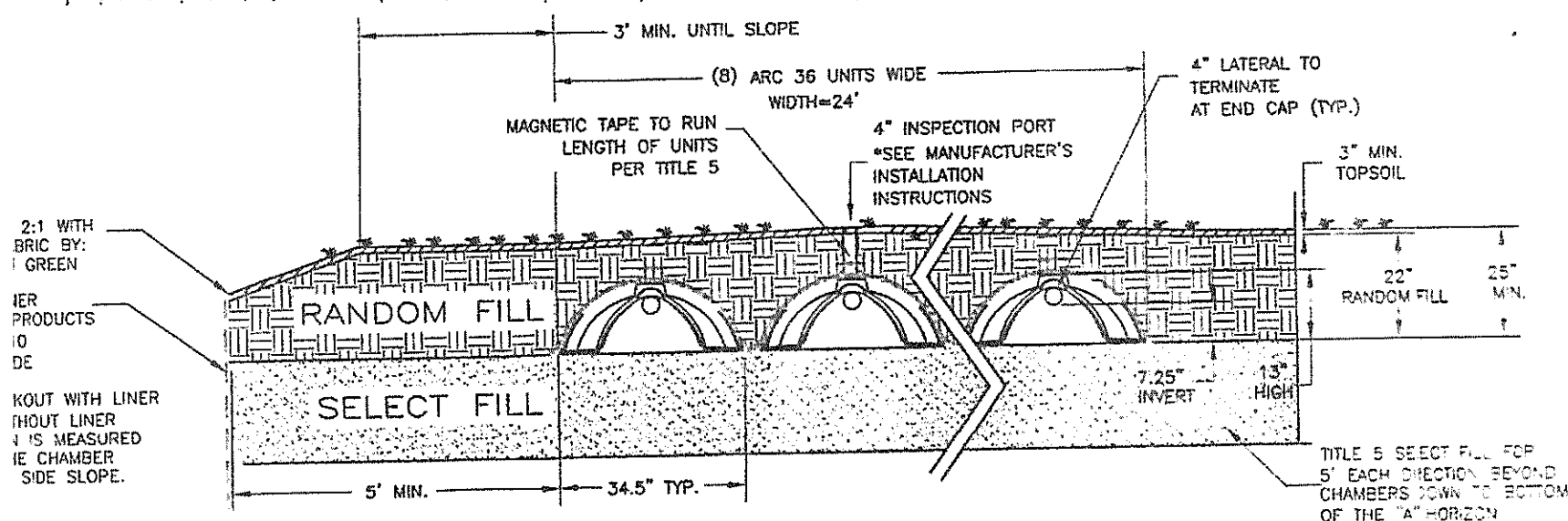
INLET AND OUTLET TEES SHALL BE OF CAST
CONCRETE. TEES SHALL EXTEND A MINIMUM
TANK. TEES SHALL BE LOCATED ON THE C
CLEANOUT MANHOLES. PROVIDE 3" MINIMUM
COVER. TOP OF TEES SHALL BE OPEN TO
VENTILATION SHALL BE PROVIDED. THE INL
BELOW THE FLOW LINE. BAFFLES ARE NOT
GAS BAFFLE EXTENDING BELOW THE FLOW L
TABLE:

LIQUID DEPTH IN TANK

4'
5'
6'
7'
8'

AN INLET TEE, BAFFLE OR SPLASH PLATE E
ELEVATION IN THE DISTRIBUTION BOX IS RE
THE INFLUENT. IT IS REQUIRED WHEN THE
THE SLOPE OF THE INLET PIPE EXCEEDS 8

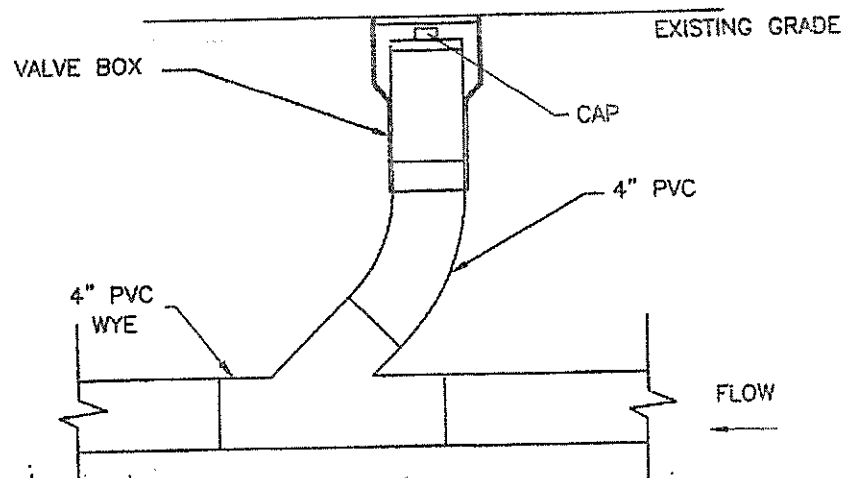
REQUIRED INSPECTIONS:
CONTRACTOR TO COORDINATE WITH OWNER,
THAT ALL REQUIRED INSPECTIONS ARE PER
SHALL BE STAKED BY THE ENGINEER AT TH
INSPECTIONS BY THE ENGINEER ARE REQUI
COVERING THE S.A.S AND AT COMPLETION
NOTICE IS REQUIRED TO COMPLETE INSPECT



ADS ARC 36 CHAMBERS

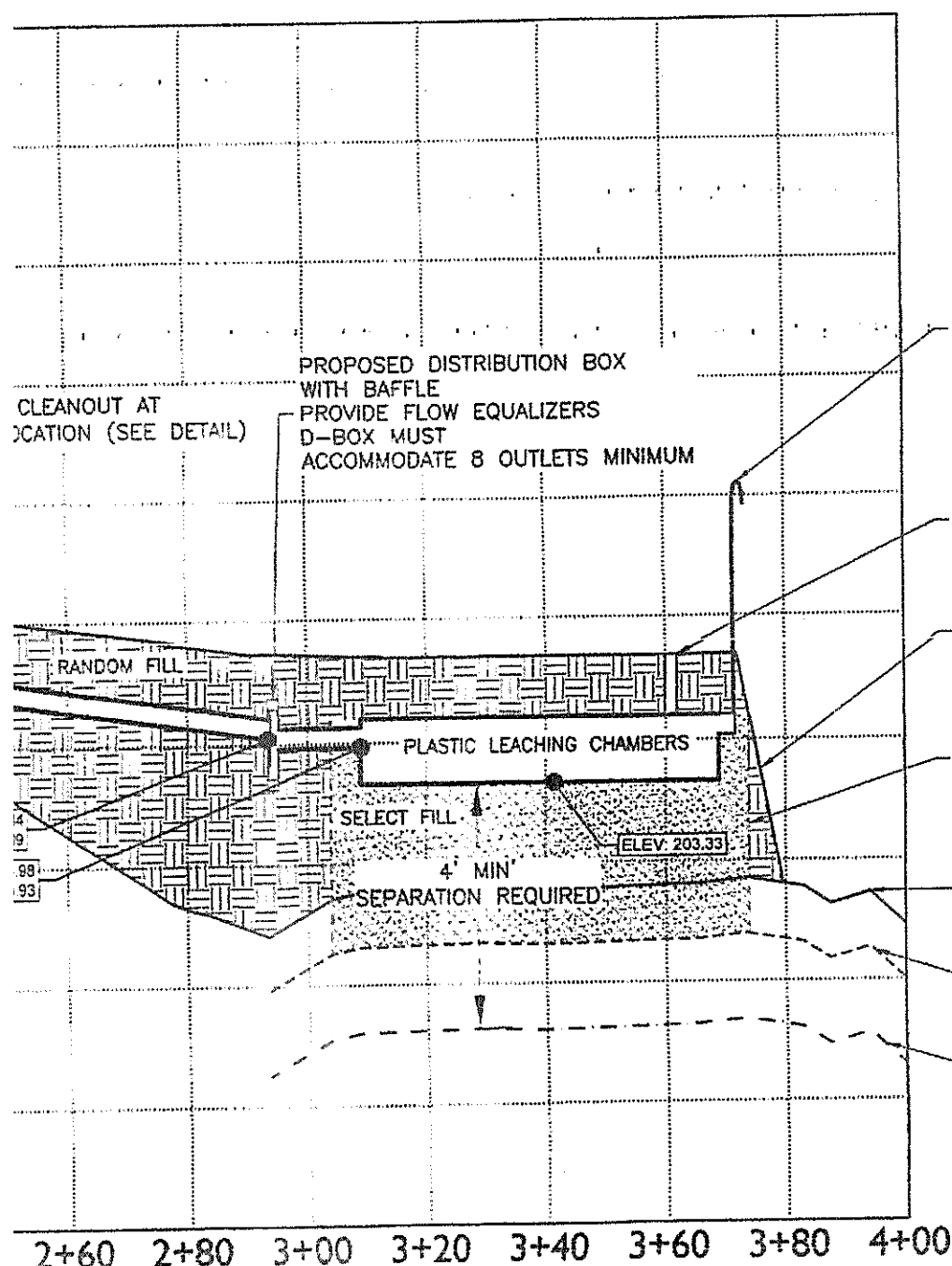
* TO BE INSTALLED PER MANUFACTURERS SPECIFICATIONS NTS

E
ABRIC)



CLEANOUT DETAIL

NTS



MANIFOLD END CAPS AND INSTALL
GOOSE NECK LOCATION MAY BE ADJUSTED
PER OWNERS SPECIFICATION .

4\"/>

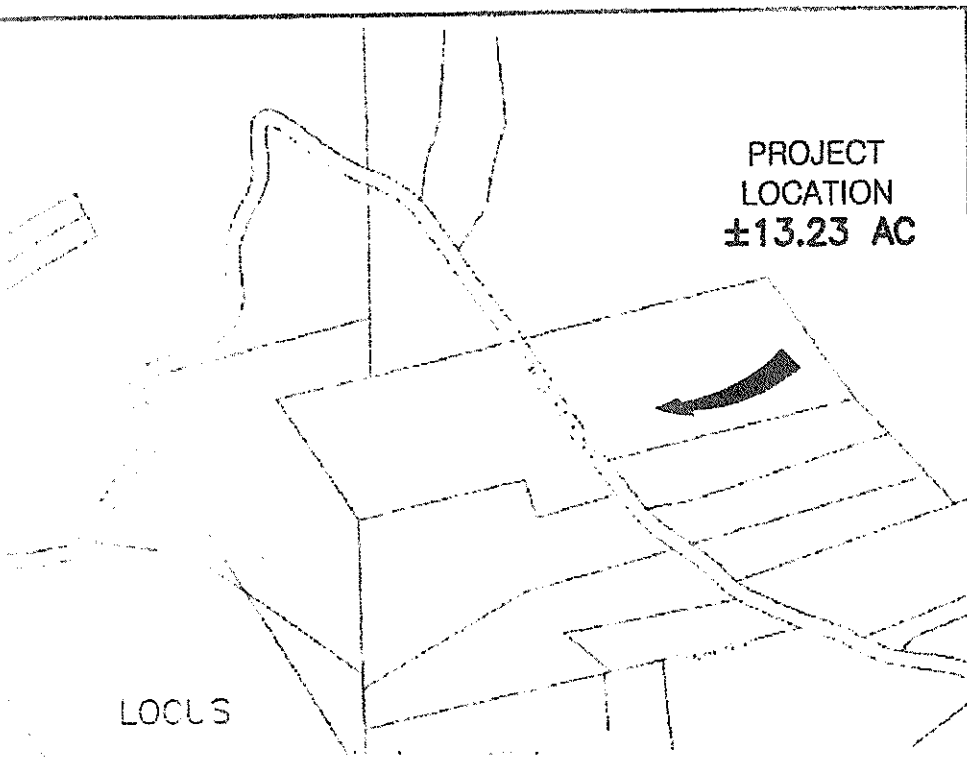
PROPOSED
GRADE 2:1 MAX
SLOPE WITH EROSION CONTROL FABRIC

PROPOSED 40 mil BREAKOUT LINER.
SEE PLAN VIEW FOR LIMITS.

EXISTING
GRADE

BOTTOM OF "A" HORIZON
TO BE STRIPPED AND
REPLACED WITH SELECT FILL.

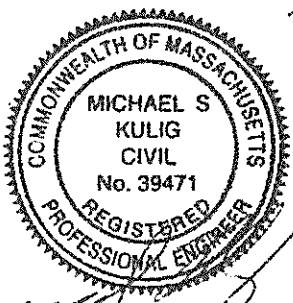
ESTIMATED SEASONAL HIGH
GROUNDWATER 28"



Berkshire
Engineering, Inc.

80 RUN WAY
LEE, MASSACHUSETTS 01238
PHONE (413) 243-4122
FAX 877.335.7282
www.BerkshireEngineering.com

CIVIL & ENVIRONMENTAL ENGINEERS
LAND CONSULTANTS



GENERAL NOTES:

CONTOUR INTERVAL IS 2' REFERENCED TO A LOCAL ARBITRARY DATUM.

CONTRACTOR TO NOTIFY ENGINEER BEFORE PROCEEDING IF SUBSURFACE CONDITIONS DIFFER FROM THOSE INDICATED ON THIS PLAN.

ALL UNDERGROUND UTILITIES AS SHOWN ARE APPROXIMATE ONLY. CONTRACTOR IS RESPONSIBLE TO NOTIFY DIG-SAFE PRIOR TO COMMENCEMENT OF WORK. CONTRACTOR SHALL TRANSFER BENCHMARK TO SUITABLE PERMANENT LOCATION AWAY FROM DISRUPTION UPON COMMENCEMENT OF WORK AS NECESSARY.

ALL PROPOSED WORK SHALL BE IN COMPLIANCE WITH MASSACHUSETTS SANITARY, PLUMBING, BUILDING, AND FIRE CODE REQUIREMENTS. LOW VOLUME PLUMBING FIXTURES ARE TO BE USED.

SYSTEM SHALL BE INSTALLED PER MANUFACTURERS SPECIFICATIONS AND THOSE SHOWN HEREON. NO GARBAGE DISPOSAL AND/OR BACKWASH OF WATER PURIFICATION OR FILTRATION DEVICES SHALL DISCHARGE INTO THE PROPOSED SYSTEM. SANITARY DISCHARGE ONLY.

THIS PLAN IS NOT THE RESULT OF A PROPERTY BOUNDARY SURVEY. ALL PROPERTY LINES SHOWN ARE APPROXIMATE. PROPERTY LINE INFORMATION IS BASED ON FIELD RECOVERED MONUMENTATION, INFORMATION PROVIDED BY THE LAND OWNER, ASSESSORS OFFICE AND PLAN ENTITLED "SURVEY OF LAND IN BECKET, MASS. PREPARED FOR JAMES M. DELORENZO", PREPARED BY DENNIS C. DRUMM & ASSOCIATES DATED 12/15/1988.

TOPOGRAPHIC AND WETLAND MAPPING PERFORMED BY BERKSHIRE ENGINEERING, INC. PLAN DEPICTS CONDITIONS AS RECORDED IN THE FIELD ON 10/09/2018.

ACCORDING TO F.E.M.A. COMMUNITY PANEL 2500180005A THIS PROJECT DOES NOT FALL WITHIN THE 100 YR FLOODPLAIN ELEVATION.

THERE ARE NO KNOWN PRIVATE WATER SUPPLY WELLS WITHIN 200' OF THE PROPOSED SOIL ABSORPTION SYSTEM OTHER THAN SHOWN HEREON. THIS PARCEL IS SERVICED BY A PRIVATE WATER SUPPLY.

PARTS OF THIS PROJECT FALL UNDER THE JURISDICTION OF THE LOCAL CONSERVATION COMMISSION. OWNER/CONTRACTOR IS RESPONSIBLE TO OBTAIN AND ABIDE BY ALL NECESSARY PERMITS ISSUED BY THE COMMISSION AND ANY OTHERS APPROPRIATE AUTHORITIES.

CONTRACTOR TO FIELD VERIFY ALL CRITICAL INVERT ELEVATIONS. INSURE PROPER WORKING ORDER OF PROPOSED BUILDING SEWER LINE FROM HOUSE TO SEPTIC TANK.

CONTRACTOR TO ENSURE THAT ALL SANITARY PIPING IS CONNECTED TO THE NEW SYSTEM.

PROPOSED GRADING SCHEME SHOWN HEREON IS DESIGNED TO MINIMIZE THE REQUIRED AMOUNT OF FILL ASSOCIATED WITH COMPLIANCE GUIDELINES AS REQUIRED FOR TITLE 5 SEPTIC SYSTEM DESIGN CRITERIA. OWNER/CONTRACTOR MAY INCREASE FILL AMOUNTS BASED ON AESTHETIC AND/OR FINANCIAL REQUIREMENTS OF THE OWNER.

FILL NOTES FOR PLASTIC LEACHING CHAMBERS:

GENERAL REQUIREMENTS: THE "A" HORIZON SHALL BE STRIPPED UNDER THE AREA PLUS 5' MEASURED HORIZONTALLY UNDER THE PROPOSED SOIL ABSORPTION SYSTEM (S.A.S.). THIS AREA IS TO BE REPLACED WITH THE SPECIFIED "SELECT FILL" AS DESCRIBED BELOW. THE FINISHED SIDE SLOPES OF A MOUNDED SYSTEM SHALL NOT EXCEED 3:1 UNLESS OTHERWISE NOTED. A MINIMUM DISTANCE OF 15', MEASURED HORIZONTALLY FROM THE TOP OF THE PLASTIC CHAMBER SHALL BE PROVIDED BETWEEN THE S.A.S. AND THE ADJACENT SIDE SLOPES. ADJUSTMENTS TO THIS DISTANCE MAY BE PROVIDED IF A SUITABLE IMPERVIOUS BARRIER IS INSTALLED. PLANS MAY SHOW USE OF "MILLER ENVIRONMENTAL BREAKOUT LINER" TO MINIMIZE FILL REQUIREMENTS IN SUCH CASES OF STEEPLY SLOPING TOPOGRAPHY.

TOP SOIL: A MINIMUM OF 3" OF TOP SOIL SHALL BE PLACED OVER THE SYSTEM AND EXCAVATED AREA. DISTURBED AREAS SHALL BE SEEDED AND MULCHED.

RANDOM FILL: THE FILL SHALL BE SUFFICIENTLY COMPACTED TO PREVENT DEPRESSIONS DUE TO SETTLING WHICH MAY INTERCEPT OR COLLECT SURFACE WATER RUNOFF ABOVE THE SYSTEM. RANDOM BACKFILL MUST BE CLEAN AND FREE OF STONES GREATER THAN 6" IN DIAMETER. TAILINGS, CLAY OR SIMILAR MATERIALS ARE PROHIBITED.

SELECT FILL: (TITLE 5 FILL) SHALL BE USED IN AREAS REQUIRING EXCAVATION AROUND THE PROPOSED S.A.S. SELECT FILL SHALL CONFORM WITH 310 CMR 15.255 (3). A SIEVE ANALYSIS SHALL BE PROVIDED TO THE ENGINEER SHOWING A REPRESENTATIVE SAMPLE. THE ANALYSIS SHALL DEMONSTRATE THAT THE MATERIAL IS NO LARGER THAN 2", UP TO 45% BY WEIGHT SHALL BE RETAINED ON THE #4 SIEVE AND THE FRACTION OF THE FILL SAMPLE PASSING SHALL MEET THE FOLLOWING CRITERIA: #80-10 TO 100%, #100-0 TO 20%, #200-0 TO 5%. IN THE EVENT THAT A CURRENT SIEVE ANALYSIS IS NOT AVAILABLE, ENGINEER MAY TAKE SAMPLE AND SEND OUT FOR ANALYSIS AT CONTRACTOR'S EXPENSE.

STRUCTURAL FILL: SHALL BE PROVIDED OVER PLASTIC CHAMBERS WHERE ADDITIONAL LOADING REQUIREMENTS ARE DESIRED. 18" REQUIRED FOR H-20 AND MAY REQUIRED ADDITIONAL SPECIFICATIONS. THIS SYSTEM IS NOT DESIGNED FOR VEHICULAR LOADING. CONTRACTOR TO CONTACT ENGINEER IF SUCH LOADING IS DESIRED FOR FURTHER INSTRUCTION. STRUCTURAL FILL SHALL CONFORM TO THE FOLLOWING STANDARDS: MASSHIGHWAY STANDARDS FOR HIGHWAYS AND BRIDGES, GRAVEL BORROW.

SUBSURFACE DISPOSAL SYSTEM CONSTRUCTION NOTES:

THE CONTRACTOR IS TO NOTIFY THE ENGINEER PRIOR TO THE START OF WORK.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SOLICIT THE SERVICES OF THE ENGINEER FOR ANY INSPECTIONS REQUIRED UNDER TITLE 5 TO ENSURE COMPLIANCE.

THE CONTRACTOR IS TO INSURE THAT CONSTRUCTION AND MATERIALS ARE IN STRICT COMPLIANCE WITH TITLE 5 REQUIREMENTS.

ALL PVC LINES AND FITTINGS SHALL BE TYPE PSM PVC SDR 35 AND SHALL CONFORM TO ASTM 3034 UNLESS OTHERWISE SPECIFIED. DISTRIBUTION LATERALS SHALL BE SET LEVEL FINISH GRADE ABOVE THE LEACHING AREA SHALL HAVE A MINIMUM SLOPE OF 2 TO PREVENT COLLECTION OF SURFACE WATER.

ALL TANKS SHALL BE SET ON A LEVEL STABLE BASE THAT HAS BEEN MECHANICALLY COMPACTED TO ENSURE STABILITY AND PREVENT SETTLING. CONTRACTOR SHALL COMPACT BACKFILL AROUND TANKS IN 12"-18" LIFTS USING HAND TAMPER OR LIGHT WEIGHT HAND HELD MECHANICAL METHODS AS NECESSARY TO PREVENT SETTLING. TANK ACCESS PORTS SHALL BE PLACED AT THE CORNERS AND OVER EACH INLET AND OUTLET TEE FOR PUMPING

REV.	DESCRIPTION	DR'N	CK'D	DATE
1	RELEASE FOR PERMIT	FJR	MSK	11/05/18
2	LOCATION OF LEACHING FIELD AND RESERVE AREA PER BOH COMMENTS	FJR	MSK	11/20/18

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TITLE: SPOSAI SYSTEM PLAN

AMIN C ANDERSON

LOCATED AT:

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LOT 04

