

TH 11 72" MAY 8, 2015
0-19" TOPSOIL
19-36" YELLOW BROWN SILTY
FINE SANDY LOAM
36-72" MODERATELY COMPACT
GREY SANDY LOAM, COMPACT
AT 44"
65" WATER TABLE
RL 44"

TH 13 65" MAY 8, 2015
0-3" TOPSOIL
3-18" RED BROWN SILTY LOAM
18-46" GREY COMPACT SANDY
HARDPAN
65" LEDGE
RL 18"

TH 14 75" MAY 8, 2015
0-12" TOPSOIL
12-35" RED BROWN SILTY FINE
SANDY LOAM
35-75" GREY MODERATELY
COMPACT SANDY LOAM
75" ROOTS
RL 35"

TH 68 JAN 22, 2016
0-16" TOPSOIL
16-48" RD BR FINE SANDY
LOAM
48-65" GREY HP
ROOTS TO 48"
RL 48"

TH 69 JAN 22, 2016
0-18" TOPSOIL
18-65" RED BROWN SANDY
LOAM
65-60" GREY SANDY LOAM
60-75" COMPACT GREY SANDY
LOAM
HP 60"
ROOTS TO 50"
RL 60"

TH 70 JAN 22, 2016
0-5" TOPSOIL
5-18" RD BR VESANDY LOAM
18-33" RD FINE SANDY LOAM
33-51" OLIVE BR SANDY LOAM
51-78" GREY HP
WATER 56"
ROOTS TO 51"
RL 51"

TH 84 JAN 22, 2016
0-4" TOPSOIL
4-24" YB SANDY LOAM
41-48" GREY HARDPAN
HP 41"
ROOTS TO 41
RL 41"

TH 85 JAN 22, 2016
0-8" TOPSOIL
8-20" RED BROWN SANDY
GRAVELLY LOAM
20-45" GREY MOD COMPACT
SANDY FINE SANDY LOAM
45-67" GREY HARDPAN
ROOTS 51"
RL 45"

TH 103 JULY 15, 2016
0- TOPSOIL
4-43" BONEY RED BROWN FINE
SANDY LOAM
43-81" ORANGE BROWN SILTY FINE
SANDY LOAM
81-100" ROOTS TO 46"
NO RL TO 81"

TH 163 APRIL 2, 2019
0-10" TOPSOIL
10-29" RED BROWN FINE SANDY LOAM
29-52" OLIVE BR FINE SANDY LOAM
52-81" GREY HARDPAN
ROOTS TO 52"
RL 52"

TH 164 APRIL 2, 2019
7-34" TOPSOIL
7-57" YB FINE SANDY LOAM
34-46" SLIGHTLY COMPACT OLIVE
BR FINE SANDY LOAM
46-80" GREY SANDY HARDPAN
RL 46"

TH 200 SEP 20, 2019 DRAINAGE
BY WAK ENG
0-6" TOPSOIL
6-35" LIGHT BR VERY FINE SANDY
LOAM WITH 6-8" ANGULAR STONES
AND ROOTS
36-60" COMPACT VERY FINE SANDY
LOAM
POSSIBLE LEDGE AT 60"
RL 36"

TH 201 SEPT 20, 2019 DRAINAGE
BY PEAK ENG.
0-8" TOPSOIL
8-29" LIGHT BR VRY FINE SANDY
LOAM
29-39" M.C. TAN VRY FINE SANDY
LOAM
38-60" COMPACT VRY FINE SANDY
LOAM W BROKEN ROCK
RL 38"

TH 202 SEPT 20, 2019 DRAINAGE
BY PEAK ENG.
0-5" TOPSOIL
5-36" LIGHT BROWN/RED BROWN
VRY FINE SANDY LOAM
36-72" M.C. TAN VRY FINE SANDY
LOAMN ROCKS
RL 72"

PH 1B 24" DEEP, 8" DIAMETER, DATE JULY 01, 2016				
0-4" TOP SOIL				
20-20" BROWN SL				
4-24" ORANGE/BROWN VFSL				
Presoak: 4:40				
TIME	MEASURE	DROP	MIN ELAPSED	RATE
9:20	10 3/8"			
9:30	14 2/8"	3 7/8"	10	1"/2.6 MIN.
9:35	15 4/8"	1 2/8"	5	1"/4.0 MIN.
9:40	16 4/8"	1"	5	1"/5.0 MIN.
9:45	17 4/8"	1"	5	1"/5.0 MIN.
9:50	18 2/8"	6/8"	5	1"/6.7 MIN.
9:55	< 2"			

TIME	MEASURE	DROP	MIN	ELAPSED	RATE
4:22	12"				
4:32	14"	2"	10		1"/5.0 MIN.
4:42	16"	2"	10		1"/5.0 MIN.
4:52	18"	2"	10		1"/5.0 MIN.
5:02	20"	2"	10		1"/5.0 MIN.
5:12	22"	2"	10		1"/5.0 MIN.

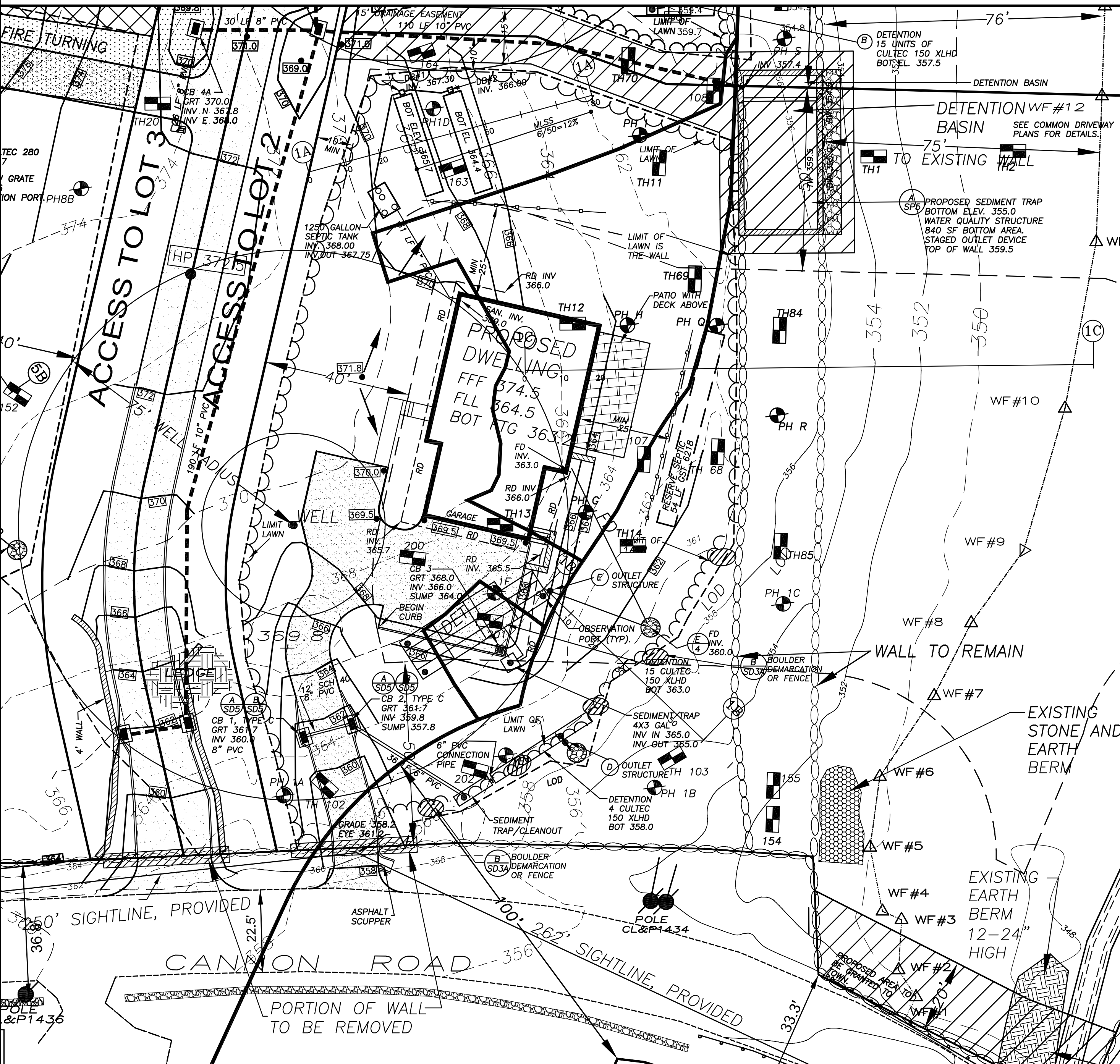
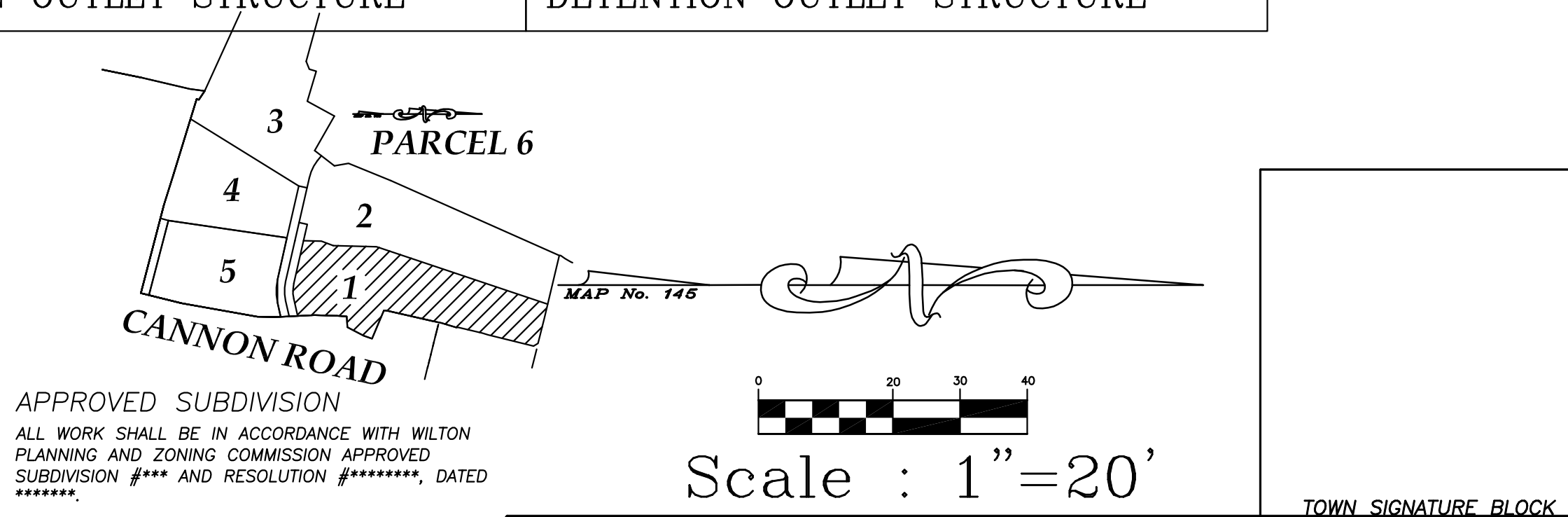
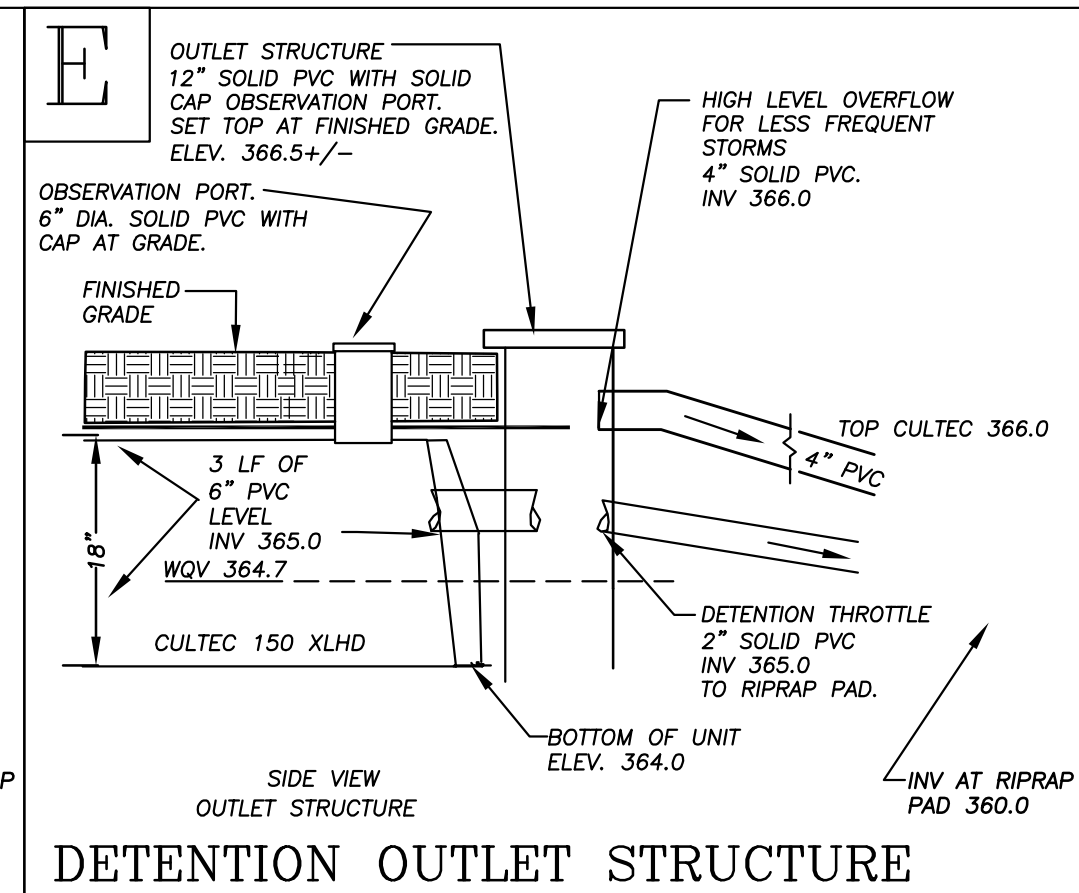
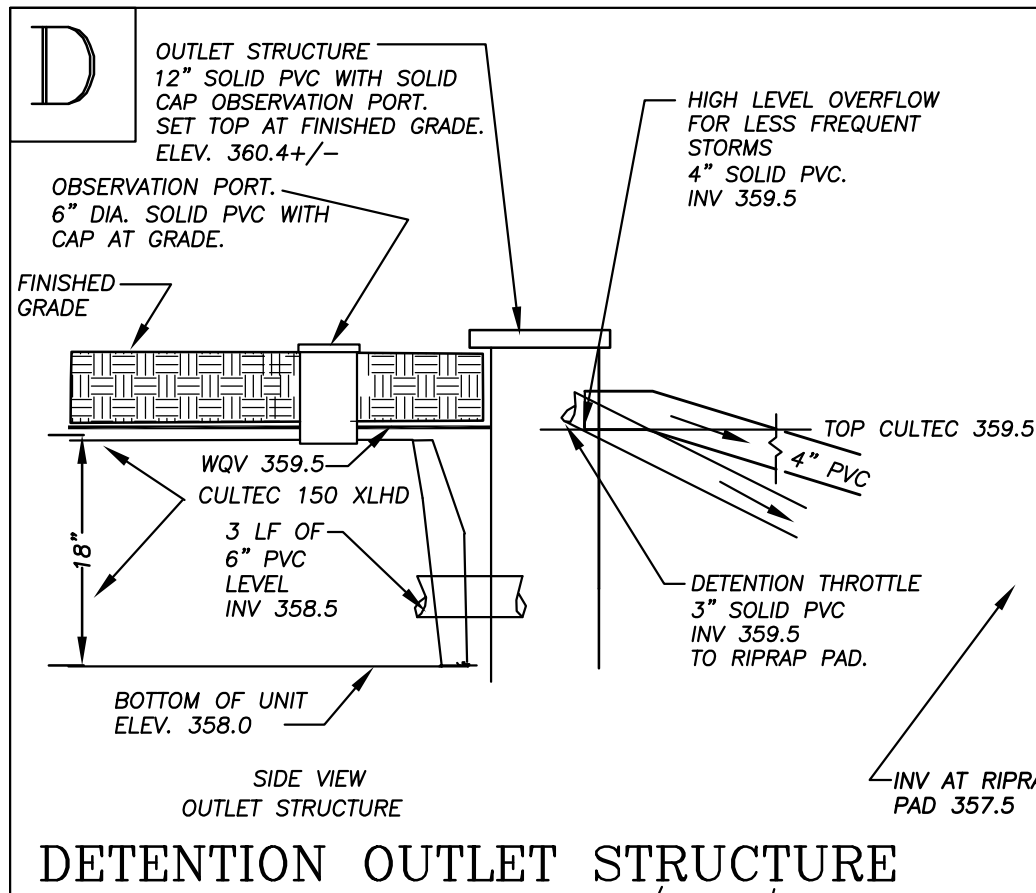
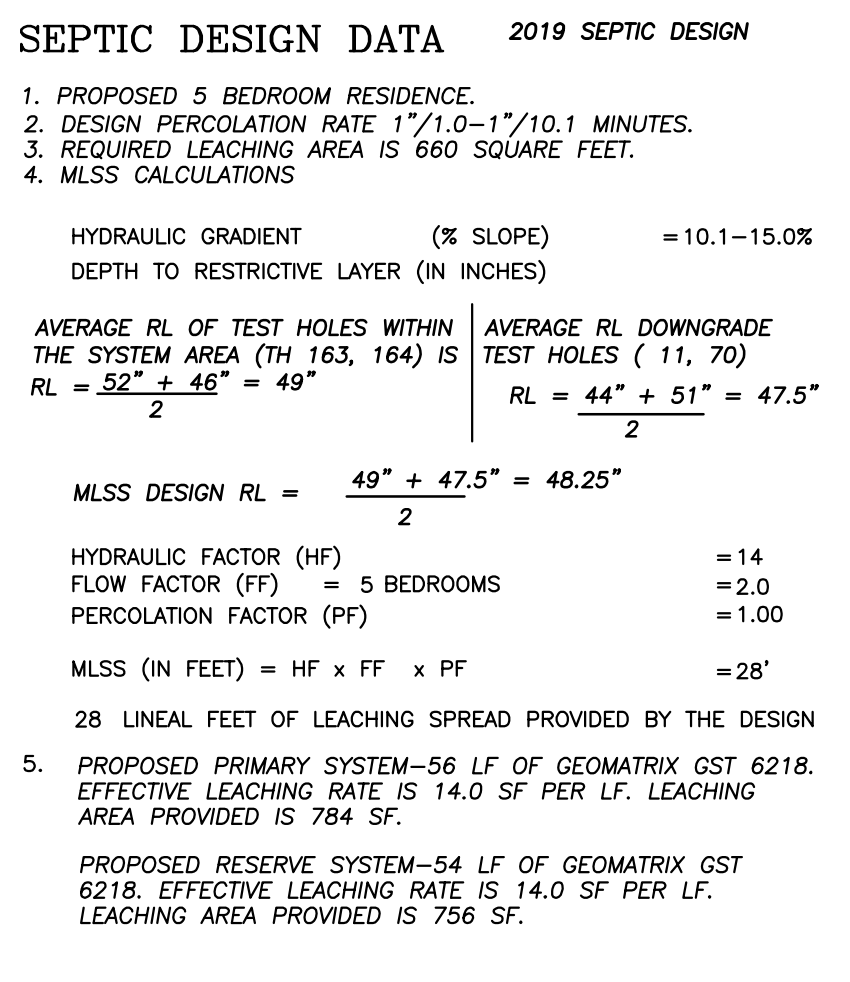
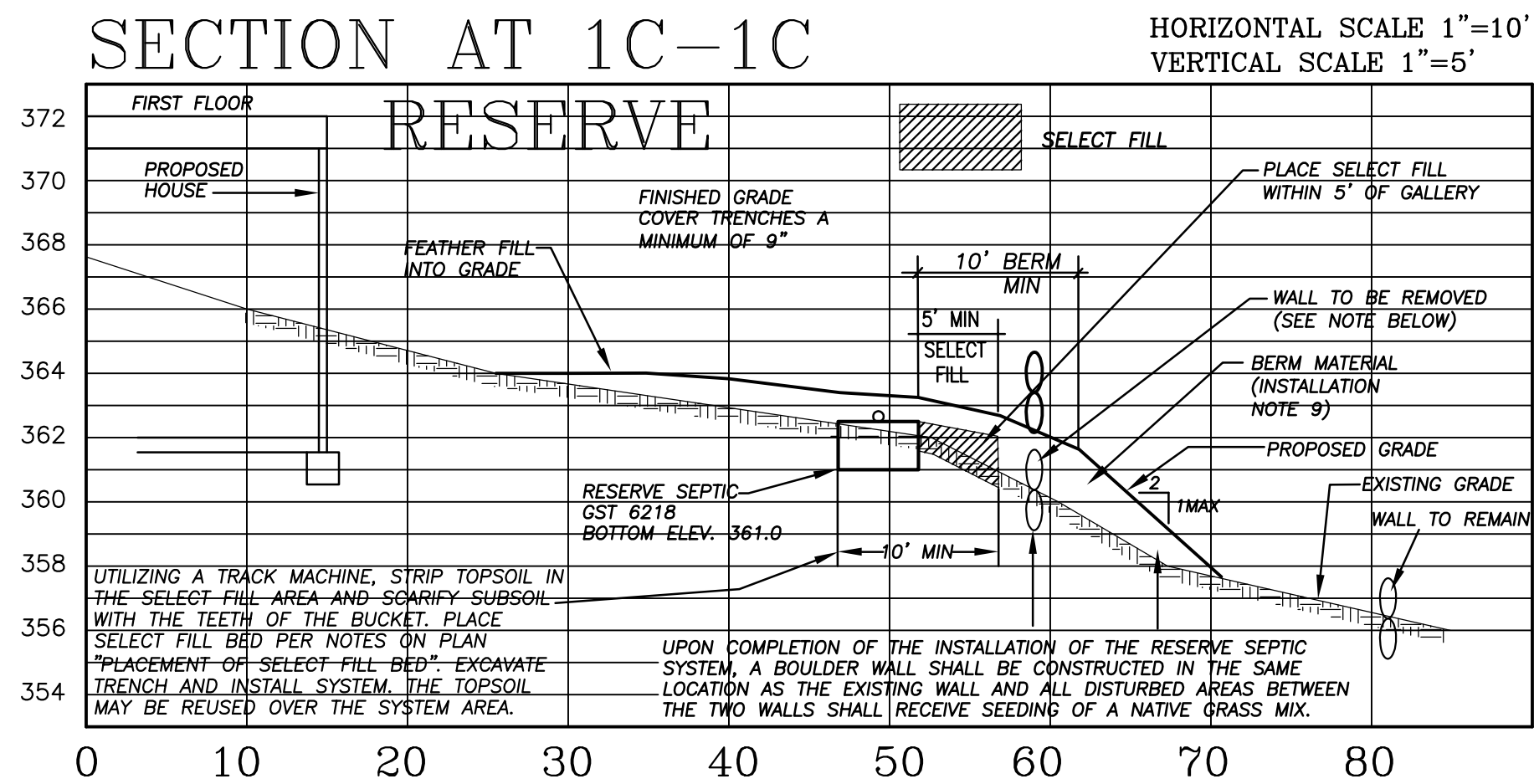
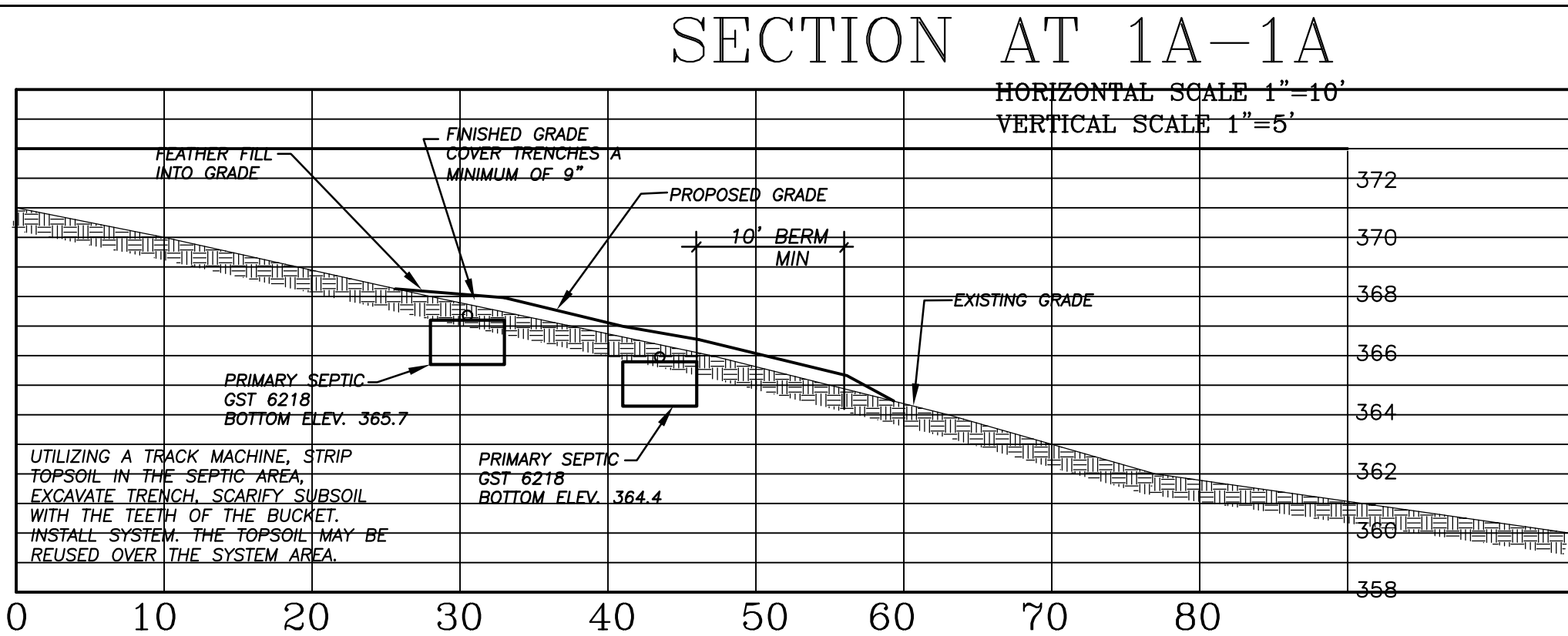
TIME	MEASURE	DROP	MIN ELAPSED	RATE
3:07	23 1/2"			
3:17	26 1/2"	3"	10	1"/3.33 MIN.
3:27	28"	1 1/2"	10	1"/6.7 MIN.
3:37	29 1/8"	1 1/8"	10	1"/8.9 MIN.
3:47	30 1/4"	1 1/8"	10	1"/8.9 MIN.

PH 18" 8" DIAMETER, 30" DEEP.		DATE SEPT 24, 2019	
PRESOAK 11:21, 18", STICK 4" FROM GRADE			
TIME	MEASURE	DROP	MIN ELAPSED
3:10	16 1/8"		
3:20	19 3/8"	3 1/4"	10 1"/3.1 MIN.
3:30	21"	1 5/8"	10 1"/6.1 MIN.
3:40	22 3/8"	1 3/8"	10 1"/7.3 MIN.
3:50	23 3/4"	1 3/8"	10 1"/7.3 MIN.

PH 1 28" DEEP, DATE JANUARY 11, 2016				
HEAVY RAIN NIGHT, BEFORE COLD 35 DEGREES AND CLEAR				
TIME	MEASURE	DROP	MIN ELAPSED	RATE
2:43	15 5/8"			
2:59	15 3/4"	4 1/8"	16	1"/3.9 MI
3:08	17 1/8"	1 3/8"	9	1"/6.5 MI
3:18	18 1/8"	1"	10	1"/10.0 MI
3:28	19"	7/8"	10	1"/11.4 MI
3:38	19 5/8"	5/8"	10	1"/16.0 MI
3:48	20 1/8"	3/4"	10	1"/13.3 MI

PH Q 27" DEEP, DATE JUNE 20, 2016				
TIME	MEASURE	DROP	MIN ELAPSED	RATE
11:13	12 4/8"			
11:23	15 3/8"	2 7/8"	10	1"/3.5 MIN.
11:33	17 6/8"	2 3/8"	10	1"/4.2 MIN.
11:43	19 6/8"	2"	10	1"/5.0 MIN.
11:53	< 2"			

TIME	MEASURE	DROP	MIN	ELAPSED	RATE
11:15	5 4/8"				
11:25	7 4/8"	2"	10		1"/5.0 MIN.
11:35	9 1/8"	1 5/8"	10		1"/6.2 MIN.
11:45	10 4/8"	1 3/8"	10		1"/7.3 MIN.
11:55	11 5/8"	1 1/8"	10		1"/8.9 MIN.
12:05	12 5/8"	1"			1"/10 MIN.
12:15	< 2"				



DRIVEWAY DESIGN PARAMETERS,
(PARTIAL)
SUBDIVISION REGS

4.4.2.2 THE INTERSECTION OF THE DRIVEWAY AND THE STREET SHALL HAVE A ONE HUNDRED (100) FOOT UNOBSTRUCTED VIEW OF THE STREET IN BOTH DIRECTIONS. AN OBJECT SIX (6) INCHES HIGH SHALL BE VISIBLE FROM A POINT MEASURED THREE (3) FEET HIGH FROM TEN (10) FEET INTO THE DRIVEWAY FROM THE TRAVELED PORTION OF THE STREET.

4.4.2.4 DRIVEWAY GRASSES SHALL NOT EXCEED FIVE (5) PERCENT FOR A MINIMUM DISTANCE OF THIRTY-FIVE (35) FEET OF THE CENTERLINE OF THE TRAVELED WAY OF THE STREET NOR WITHIN TEN (10) FEET OF THE STREET RIGHT-OF-WAY LINE, WHICHEVER IS GREATER. DRIVEWAY GRASSES BEYOND SUCH DISTANCE SHALL NOT EXCEED EIGHTEEN (18) PERCENT.

SIGHT LINE NOTES

THE SIGHTLINE HAS BEEN DRAWN 10' BACK OF THE TRAVELWAY (EDGE OF CURBING).

ALL BRUSH MUST BE REMOVED WITHIN THE SIGHTLINES.

ALL TREES WITHIN THE SIGHTLINE TRIANGLE SHALL BE REMOVED OR WHOSE ROOT ZONE(S) HAVE BEEN SIGNIFICANTLY IMPACTED BY THE PROPOSED GRADING. THE TOWN TREE WARDEN WILL DETERMINE WHICH TREES SHALL BE REMOVED.

TREES GREATER THAN 8" SHALL BE TAGGED BY THE TREE WARDEN FOR REMOVAL.

TREE BRANCHES OVERHANGING THE SIGHT LINE TRIANGLE SHALL BE TRIMMED TO A HEIGHT NO LESS THAN 10' OFF THE GROUND.

ALL PRIVATE FENCES LOCATED WITHIN THE ROW SHALL BE REMOVED.

APPROVED SUBDIVISION

ALL WORK SHALL BE IN ACCORDANCE WITH WILTON
PLANNING AND ZONING COMMISSION APPROVED
SUBDIVISION ##### AND RESOLUTION #####, DATED
#####.

ALL WORK SHALL BE PERFORMED IN ACCORDANCE
WITH WETLANDS PERMIT APPLICATION ##### AND
RESOLUTION #####-WET, DATED #####.

PLAN NOTES

NOTE 1: PURPOSE

THE PURPOSE OF THIS PLAN IS FOR SUBMITTAL TO THE INLAND WETLAND COMMISSION AND PLANNING AND ZONING COMMISSION TO DEMONSTRATE SITE FEASIBILITY FOR SEPTIC AND DRAINAGE SYSTEMS FOR A RESIDENTIAL SUBDIVISION.

SUBMITTAL TO AND APPROVAL BY OTHER AGENCIES OF THE TOWN MAY BE REQUIRED PRIOR TO OBTAINING A BUILDING PERMIT.

NOTE 2: EXISTING CONDITIONS

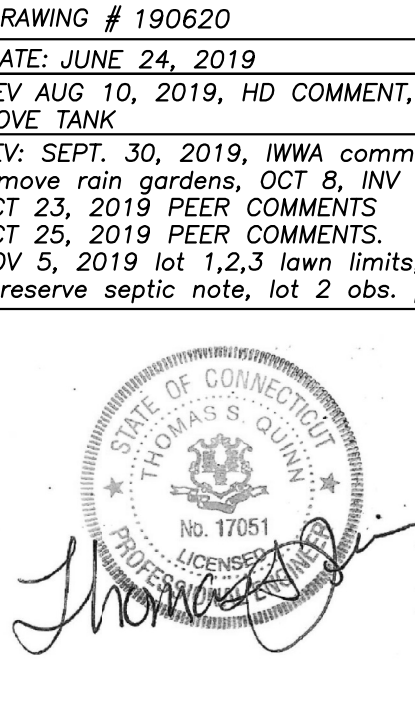
ALL BASE SURVEY INFORMATION, TAKEN FROM A DIGITAL FILE PREPARED BY AND PROVIDED BY RYAN & FAUS LAND SURVEYING (11 GRUHAM HILL ROAD, WILTON, CT) DOUGLAS R. FAULDS, L.S., TITLED "EXISTING CONDITIONS PLAN, PREPARED FOR, CANNONWOODS, LLC, WILTON, CONNECTICUT, JANUARY 9, 2019".

THIS IS NOT A CERTIFIED PLOT PLAN.

ENGINEERS CERTIFICATION

THE PROPOSED FINISHED GRADES SHOWN HEREON CONFORM WITH THE TOWN OF WILTON ZONING REGULATIONS, SPECIFICALLY SECTION 29-9.H.I. AND SECTION 29-8B.8.b.(1) AND (3).

FILE: Cannon Rd Cannonwoods
LLC/NOV 5 WETLAND SUB DWG
DRAWING # 190620
DATE: 2016.24.2019
REV AUG 10, 2019, HD COMMENT,
MOVE TANK
REV: SEPT. 30, 2019, IWMA comments,
remove rain gardens, OCT 8, INV
OCT 23, 2019 PEER COMMENTS,
NOV 5, 2019 PEER COMMENTS,
NOV 5, 2019 lot 1,2,3 lawn limits, lot
1 reserve septic note, lot 2 obs. port.

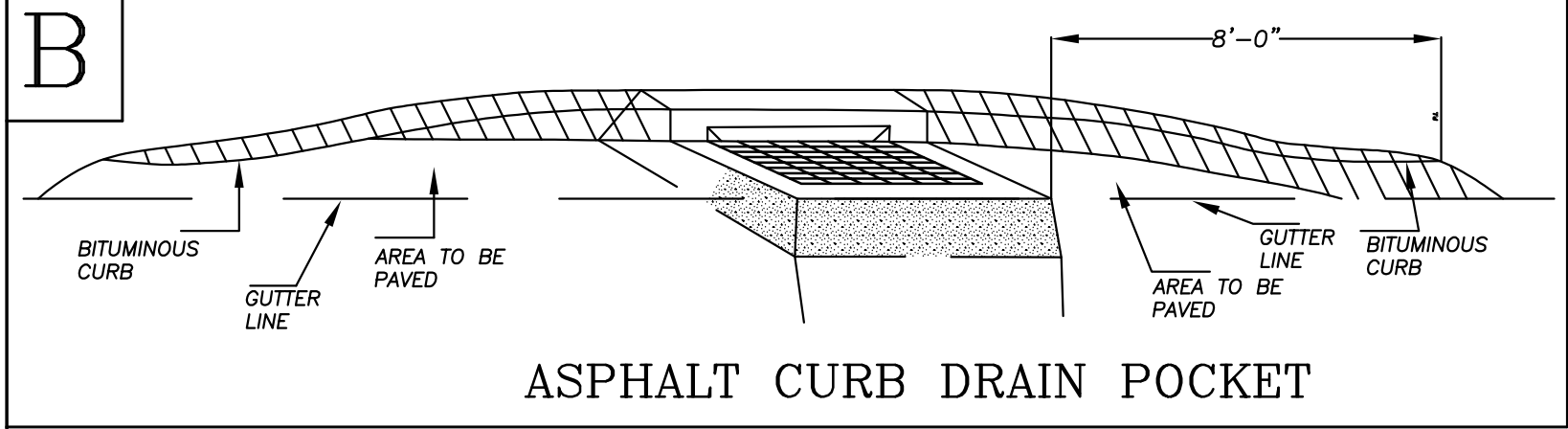
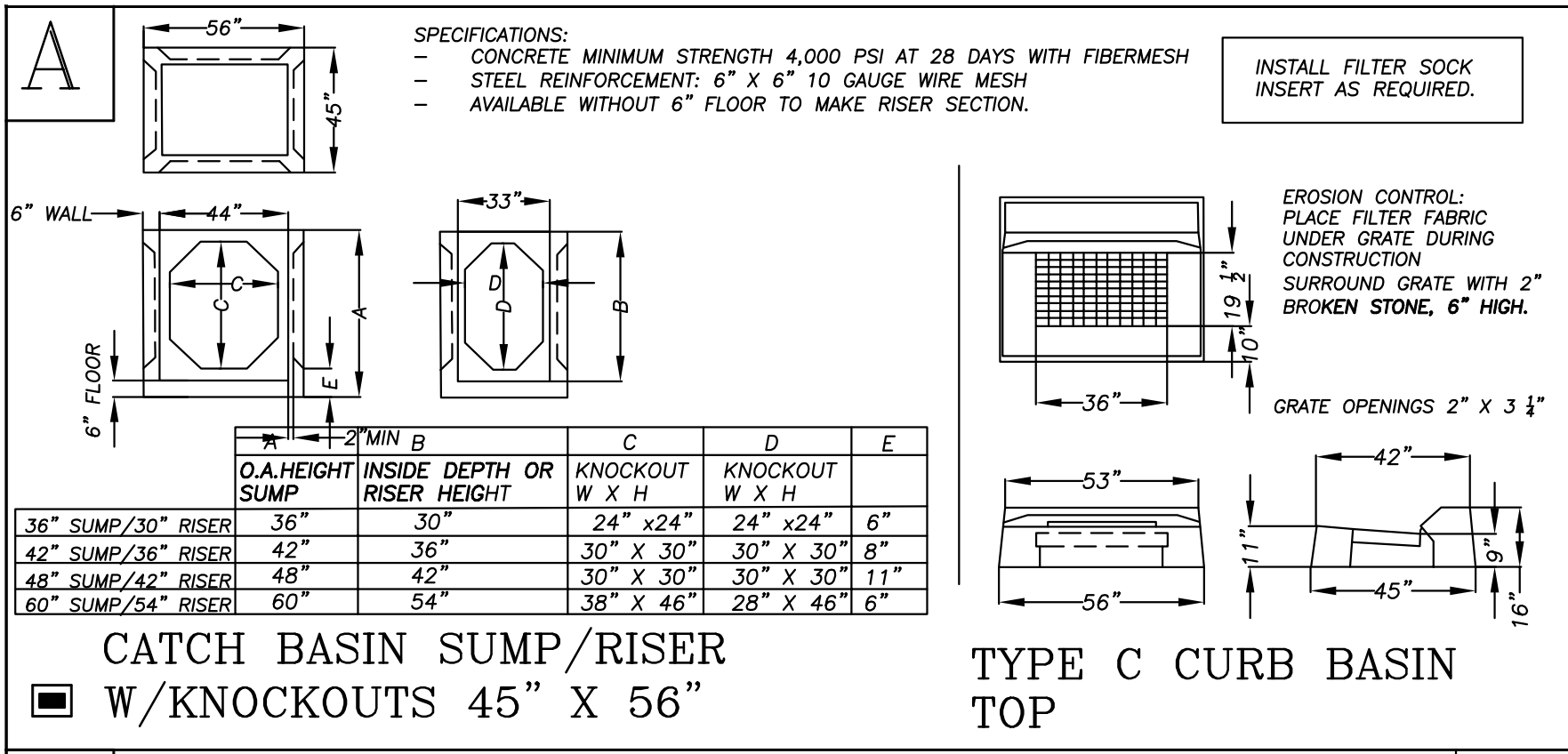


The seal is circular with the text "STATE OF CONNECTICUT" around the top and "THOMAS S. QUINN" around the bottom. In the center is a crest with a star and the text "NO. 17051" and "LICENSED PROFESSIONAL ENGINEER". A handwritten signature, "Thomas S. Quinn", is written across the seal.

Thomas S. Quinn, P.E. 17051

THIS PRINT IS INVALID WITHOUT
LIVE RED SEAL AND EMBOSSED SEAL

<h1 style="text-align: center;"><i>Peak Engineers, LLC</i></h1> <p style="text-align: center;">PROVIDING CIVIL ENGINEERING SERVICES</p> <p style="text-align: center;">Site, Septic, and Drainage, Feasibility and Design</p> <p style="text-align: center;">16 Old Mill Road, Redding, CT 06896</p> <p style="text-align: center;">Tel 203-834-0588 Email: TQuinn@PeakEngineersLLC.com</p>	
<p>PREPARED FOR</p> <p style="text-align: center;">Cannonwoods LLC</p> <p style="text-align: center;">36 Springbrook Lane Wilton, Connecticut 06897</p>	
PROJECT LOCATION	<p style="text-align: center;">Lot 1</p> <p style="text-align: center;">3.075 Acres (2.31 Acres Upland) Cannonwoods LLC Subdivision</p> <p>Tax Map 21, Lot 13, Wilton, Connecticut 06897</p>
TITLE	<p style="text-align: center;">New Construction</p> <hr/> <p style="text-align: center;">Site Development Plan/Grading</p> <hr/> <p style="text-align: center;">Septic and Drainage</p> <p style="text-align: right;">SD-1</p>



PERCOLATION DATA

PH 1C 24" DEEP, 8" DIAMETER, DATE JULY 01, 2016
0-3" TOP SOIL
3-10" BROWN SL
10-24" ORANGE/BROWN VFSL
Presoak: 4:26

TIME	MEASURE	DROP	MIN ELAPSED	RATE
9:22	9 3/8"			
9:32	12 7/8"	3 4/8"	10	1"/2.9 MIN.
9:37	14"	1 1/8"	5	1"/4.4 MIN.
9:42	14 7/8"	7/8"	5	1"/5.7 MIN.
9:47	15 5/8"	6/8"	5	1"/6.7 MIN.
9:52	< 2"			

PH 1A 22" DEEP, 8" DIAMETER, DATE JULY 01, 2016
0-3" TOP SOIL
3-16" BROWN SL
16-22" ORANGE/BROWN VFSL
Presoak: 4:37

TIME	MEASURE	DROP	MIN ELAPSED	RATE
9:18	7 3/8"			
9:28	12"	4 5/8"	10	1"/2.2 MIN.
9:33	13 2/8"	1 2/8"	5	1"/4.0 MIN.
9:38	< 2"			

PH G 19" DEEP, DATE JANUARY 11, 2016
HEAVY RAIN NIGHT BEFORE PERC TEST
COLD 35 DEGREES AND CLEAR

TIME	MEASURE	DROP	MIN ELAPSED	RATE
2:50	8 1/4"			
3:00	9 3/4"	1 1/2"	10	1"/6.7 MIN.
3:10	10 5/8"	7/8"	10	1"/11.4 MIN.
3:20	11 1/2"	7/8"	10	1"/11.4 MIN.
3:30	12 1/4"	3/4"	10	1"/13.3 MIN.
3:40	13 1/4"	1"	10	1"/10.0 MIN.
3:50	13 3/4"	3/4"	10	1"/13.3 MIN.

PH H 23" DEEP, DATE JANUARY 11, 2016
HEAVY RAIN NIGHT BEFORE PERC TEST
COLD 35 DEGREES AND CLEAR

TIME	MEASURE	DROP	MIN ELAPSED	RATE
2:52	11 1/4"			
3:01	12 3/8"	1 1/8"	9	1"/7.0 MIN.
3:11	13 3/8"	1"	10	1"/10.0 MIN.
3:20	14"	5/8"	9	1"/14.4 MIN.
3:30	14 1/2"	1/2"	10	1"/20.0 MIN.
3:40	15"	1/2"	10	1"/20.0 MIN.
3:52	15 3/4"	3/4"	12	1"/16.0 MIN.

PH Q 27" DEEP, DATE JUNE 20, 2016

TIME	MEASURE	DROP	MIN ELAPSED	RATE
11:13	12 4/8"			
11:23	15 3/8"	2 7/8"	10	1"/3.5 MIN.
11:33	17 6/8"	2 3/8"	10	1"/4.2 MIN.
11:43	19 6/8"	2"	10	1"/5.0 MIN.
11:53	< 2"			

PH R 19" DEEP, DATE JUNE 20, 2016

TIME	MEASURE	DROP	MIN ELAPSED	RATE
11:15	5 4/8"			
11:25	7 4/8"	2"	10	1"/5.0 MIN.
11:35	9 1/8"	1 5/8"	10	1"/6.2 MIN.
11:45	10 4/8"	1 3/8"	10	1"/7.3 MIN.
11:55	11 5/8"	1 1/8"	10	1"/8.9 MIN.
12:05	12 5/8"	1"	10	1"/10 MIN.
12:15	< 2"			

TH 68 0-16" TOPSOIL
16-48" RD BR FINE SANDY LOAM
48-65" GREY HP
ROOTS TO 48"

TH 69 0-18" TOPSOIL
18-45" RED BROWN SANDY LOAM
45-60" GREY SANDY LOAM
60-75" COMPACT GREY SANDY LOAM
HP 60"
ROOTS TO 50"
RL 60"

TH 70 JAN 22, 2016
0-5" TOPSOIL
5-18" RD BR VFSANDY LOAM
18-33" RB FINE SANDY LOAM
33-51" OLIVE BR SANDY LOAM
51-78" GREY HP
WATER 56"
ROOTS TO 51"
RL 51"

TH 71 74" MAY 8, 2015
0-8" TOPSOIL
8-38" YELLOW BROWN SILTY FINE SANDY LOAM
38-74" MOTTLED MODERATELY COMPACT FINE-MEDIUM SAND
38" MOTTLES
RL 38"

TH 72 85" MAY 8, 2015
0-6" TOPSOIL
6-17" RED BROWN SILTY LOAM, MOIST
17-55" GREY MOTTLED MODERATELY COMPACT FINE SANDY SILTY LOAM
55-71" MODERATELY COMPACT FINE SANDY SILTY LOAM
71" LEDGE
RL 37"

TH 73 65" MAY 8, 2015
0-3" TOPSOIL
3-18" RED BROWN SILTY LOAM
18-65" GREY COMPACT SANDY HARDPAN
65" LEDGE
RL 18"

TH 74 75" MAY 8, 2015
0-12" TOPSOIL
12-35" RED BROWN SILTY FINE SANDY LOAM
35-75" GREY MODERATELY COMPACT SANDY HARDPAN
35" ROOTS
RL 35"

TH 68 0-16" TOPSOIL
16-48" RD BR FINE SANDY LOAM
48-65" GREY HP
ROOTS TO 48"
RL 48"

TEST HOLE DATA

TH 1 74" MAY 8, 2015
0-8" TOPSOIL
8-38" YELLOW BROWN SILTY FINE SANDY LOAM
38-74" MOTTLED MODERATELY COMPACT FINE-MEDIUM SAND
38" MOTTLES
RL 38"

TH H 23" DEEP, DATE JANUARY 11, 2016
HEAVY RAIN NIGHT BEFORE PERC TEST
COLD 35 DEGREES AND CLEAR

2:52 11 1/4"
3:01 12 3/8" 1 1/8" 9 1"/7.0 MIN.
3:11 13 3/8" 1" 10 1"/10.0 MIN.
3:20 14" 5/8" 9 1"/14.4 MIN.
3:30 14 1/2" 1/2" 10 1"/20.0 MIN.
3:40 15" 1/2" 10 1"/20.0 MIN.
3:52 15 3/4" 3/4" 12 1"/16.0 MIN.

TH 11 72" MAY 8, 2015
0-19" TOPSOIL
19-36" YELLOW BROWN SILTY FINE SANDY LOAM
36-72" MODERATELY COMPACT GREY SANDY LOAM, COMPACT AT 44"
65" WATER TABLE
RL 44"

TH 12 71" MAY 8, 2015
0-6" TOPSOIL
6-37" YELLOW BROWN SILTY FINE SANDY LOAM
37-71" GREY MODERATELY COMPACT SILTY FINE SANDY HARDPAN
71" LEDGE
RL 37"

TH 13 65" MAY 8, 2015
0-3" TOPSOIL
3-18" RED BROWN SILTY LOAM
18-65" GREY COMPACT SANDY HARDPAN
65" LEDGE
RL 18"

TH 14 75" MAY 8, 2015
0-12" TOPSOIL
12-35" RED BROWN SILTY FINE SANDY LOAM
35-75" GREY MODERATELY COMPACT SANDY HARDPAN
35" ROOTS
RL 35"

TH 68 0-16" TOPSOIL
16-48" RD BR FINE SANDY LOAM
48-65" GREY HP
ROOTS TO 48"
RL 48"

TH 69 0-18" TOPSOIL
18-45" RED BROWN SANDY LOAM
45-60" GREY SANDY LOAM
60-75" COMPACT GREY SANDY LOAM
HP 60"
ROOTS TO 50"
RL 60"

TH 70 JAN 22, 2016
0-5" TOPSOIL
5-18" RD BR VFSANDY LOAM
18-33" RB FINE SANDY LOAM
33-51" OLIVE BR SANDY LOAM
51-78" GREY HP
WATER 56"
ROOTS TO 51"
RL 51"

TH 84 0-4" TOPSOIL
4-24" YB SANDY LOAM
24-44" GREY HARDPAN
HP 41
ROOTS TO 41
RL 41"

TH 85 0-8" TOPSOIL
8-29" RD BROWN SANDY GRAVELLY LOAM
29-45" GREY MOD COMPACT SILTY FINE SANDY LOAM
45-67" GREY HARDPAN
ROOTS 51"
RL 45"

TH 102 0-6" TOPSOIL
6-24" RED BROWN FINE SANDY LOAM
24-44" MODERATELY COMPACT YELLOW BROWN SILTY FINE SANDY LOAM
44-84" BROWN FINE SANDY LOAM WITH ROOTS
ROOTS TO 44"
NO RL TO 84"

TH 107 SEPT 2, 2016
0-7" TOPSOIL
7-38" RED BROWN FINE SANDY LOAM
38-60" GREY SANDY HARDPAN WITH INTERLOCKING STONES
ROOTS TO 38"
RL 40"

TH 108 SEPT 2, 2016
0-4" TOPSOIL
4-48" RED BR FINE SANDY LOAM
48-72" YELLOW BROWN FINE SANDY LOAM
72-84" HARDPAN
ROOTS TO 53"

TH 163 APRIL 2, 2019
0-10" TOPSOIL
10-29" RED BROWN FINE SANDY LOAM
29-52" OLIVE BR FINE SANDY LOAM
52-91" GREY HARDPAN
ROOTS TO 52"
RL 52"

TH 154 OCT 20, 2016
0-3" TOPSOIL
3-16" DISTURBED, ROCKY LOAM
16-32" RED BROWN SILTY LOAM WITH ROOTS
32-52" RED/TAN F-M SANDY LOAM
52-77" WEATHERED RED/GREY F-M SAND, POSSIBLE MOTTLES AT 52"
RL 52"

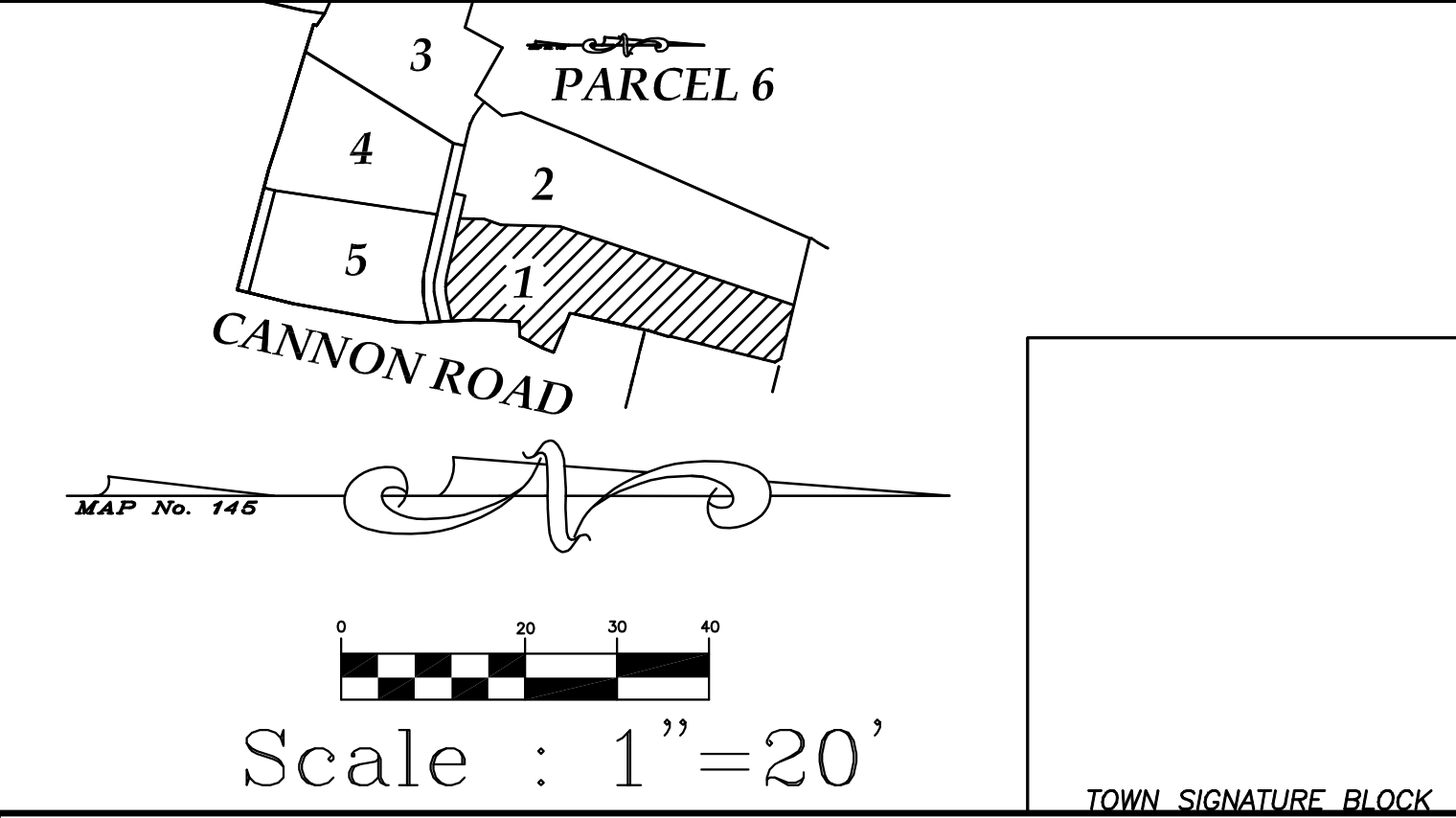
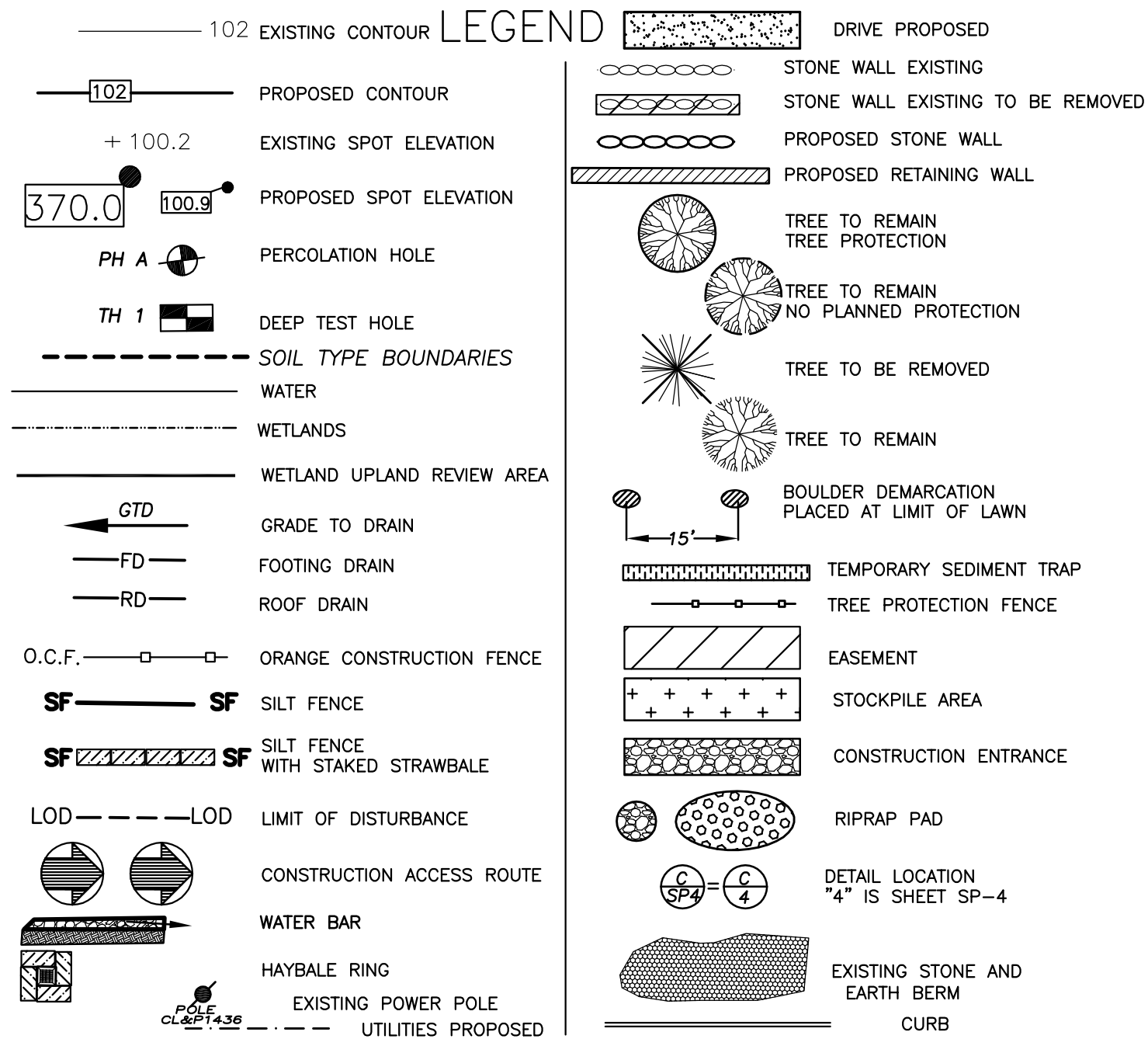
TH 153 OCT 30, 2016
CONFIRMED MOTTLED TAN FINE SANDY LOAM AT 29"

RESIDENCE CONSTRUCTION SEQUENCE/PHASING PLAN
THE CONSTRUCTION PHASING CONCEPT IS TO CONCENTRATE WORK IN A SINGLE DESIGNATED AREA - PERFORM ALL WORK, COVER, FINISH GRADE, AND INSTALL SILT FENCE TO PROTECT THE AREA - BEFORE MOVING ON TO ANOTHER CONSTRUCTION TASK.

- NOTIFY CALL BEFORE YOU DIG 1-800-922-4455.
- THE PERMITTEE SHALL NOTIFY THE REVIEWING AGENCY, IN WRITING, 48 HOURS PRIOR TO COMMENCING ACTIVITIES.
 - PLACE CONSTRUCTION ENTRANCE, PLACE TOPSOIL IN STOCKPILE AREA, SURROUND WITH SILT FENCE.
 - INSTALL ORANGE CONSTRUCTION FENCE AROUND DETENTION SYSTEMS TO PROTECT UNDERLYING SOILS.
 - REMOVE TREES TO BE REMOVED.
 - ERECT SILT FENCE AS SHOWN ON PLAN.
 - INSTALL TREE PROTECTION AS REQUIRED.
 - EXCAVATE AND INSTALL STORM WATER DETENTION SYSTEM LOCATED UNDER DRIVEWAY.
 - REMOVE TOPSOIL IN DRIVEWAY AREA, PLACE FILL, AND COMPACT DRIVEWAY BASE.
 - UTILIZING A TRACK MACHINE, STRIP TOPSOIL IN THE SEPTIC AREA AND STOCKPILE IN DESIGNATED STOCKPILE AREA.
 - PREPARE SEPTIC LEACHING AREA, INSTALL SEPTIC SYSTEM, IMMEDIATELY FOLLOWING REQUIRED INSPECTIONS COVER THE SEPTIC SYSTEM WITH TOPSOIL, RAKE AND SEED DISTURBED AREAS.
 - INSTALL SILT FENCE UPHILL OF SEPTIC AREA, AND ORANGE CONSTRUCTION FENCE ON THE EAST SIDE TO PROTECT THE AREA.
 - CONSTRUCT A TEMPORARY SEDIMENT TRAP FOR WELL DRILLING SPOILS, DRILL WELL, REMOVE SPOILS.
 - INSTALL RIPRAP PAD FOR FOOTING DRAIN, INSTALL FOOTING DRAIN PIPE.
 - IF NECESSARY, INSTALL TEMPORARY SEDIMENT TRAP ALONG EDGE OF LAWN, WHERE SHOWN. PROVIDE OVERFLOW PIPE TO RIPRAP PAD, INSPECT SEDIMENT TRAP AFTER EACH RAIN EVENT OF 1/2" OR MORE, REMOVE COLLECTED SEDIMENT AND PLACE IN APPROVED STOCKPILE AREA OR REMOVE FROM SITE.
 - EXCAVATE DWELLING AND PERFORM PRELIMINARY GRADING OF SITE.
 - POUR FOUNDATION, THE FOOTING DRAIN.
 - BACKFILL AROUND FOUNDATION.
 - CONSTRUCT DWELLING.
 - PERFORM FINISHED GRADING.
 - TOPSOIL AND SEED OR PLACE SOD ALL DISTURBED AREAS.
 - ONCE THE PLANTED GRASS IS MATURE OR THE SOD IS IN PLACE, FILL IN THE TST, PLACE TOPSOIL, RAKE AND SEED.
 - NOTIFY THE REVIEWING AGENCY THAT THE SITES DISTURBED AREAS ARE STABILIZED AND THAT EROSION CONTROLS MAY BE REMOVED FOLLOWING THE 48-HOUR NOTICE.
 - REMOVE THE COLLECTED SEDIMENT FROM THE SILT FENCE AND STRAWBALES, DISPOSE OF MATERIAL IN AN APPROVED OFFSITE LOCATION.
 - REMOVE EROSION CONTROLS.

TREE LEGEND

MAPLE	MAP
SUGAR MAPLE	SMAP
RED MAPLE	RMAP
HICKORY	HIC
SHAGBARK HICKORY	SHIC
POPLAR	POP
OAK	OAK
WHITE OAK	WOAK
ASH	ASH
BIRCH	BIR
ORCHARD TREE	ORT
ELM	ELM
CHOKE CHERRY	CC
BEECH	BEE
CHERRY	CHE
CEDAR	CED



FILE: Cannon Rd Cannanwoods LLC/NOV 5 WETLAND SUB.DWG
DRAWING # 190620
DATE: JUNE 24, 2019
REV AUG 10, 2019, HO COMMENT, MOVE TANK
REV: SEPT. 30, 2019, HWMA comments, remove rain gardens, OCT 8, INV OCT 23, 2019 PEER COMMENTS
OCT 25, 2019 PEER COMMENTS.
NOV 5, 2019 lot 1,2,3 lawn limits, lot 1 reserve septic note, lot 2 obs. port.

Thomas S. Quinn, P.E. 17051
THIS PRINT IS INVALID WITHOUT LIVE RED SEAL AND EMBOSSED SEAL.

Peak Engineers, LLC
PROVIDING CIVIL ENGINEERING SERVICES
Site, Septic, and Drainage, Feasibility and Design
16 Old Mill Road, Redding, CT 06896
Tel 203-834-0588 Email: TQuinn@PeakEngineersLLC.com

PREPARED FOR **Cannanwoods LLC**
36 Springbrook Lane
Wilton, Connecticut 06897

PROJECT LOCATION **Lot 1**
3.075 Acres (2.31 Acres Upland)
Cannanwoods LLC Subdivision
Tax Map 21, Lot 13, Wilton, Connecticut 06897

TITLE **New Construction**

Site Development Plan
Tree Protection, Stone Wall Preservation
Erosion Controls **SD-1A**

PH 2D PRESOAK				
8" DIAMETER, 24" DEEP, DATE MAY 24, 2019				
TIME	MEASURE	DROP	MIN ELAPSED	RATE
4:24	11"			
4:34	12"	1"	10	1"/10.0 MIN.
4:44	13"	1"	10	1"/10.0 MIN.
4:54	14"	1"	10	1"/10.0 MIN.
5:04	15"	1"	10	1"/10.0 MIN.
5:14	16"	1"	10	1"/10.0 MIN.

PH T 28" DEEP, DATE JUNE 20, 2016				
TIME	MEASURE	DROP	MIN ELAPSED	RATE
11:21	14 4/8"			
11:31	17"	2 4/8"	10	1"/4.0 MIN.
11:41	18 5/8"	1 5/8"	10	1"/6.2 MIN.
11:51	19 4/8"	7/8"	10	1"/11.4 MIN.
12:01	20 3/8"	7/8"	10	1"/11.4 MIN.
12:11	< 2"			

2. DESIGN PERCOLATION RATE 17.1/10.1=20.0 MINUTES.
3. REQUIRED LEACHING AREA IS 787.5 SQUARE FEET.
4. MLSS CALCULATIONS
HYDRAULIC GRADIENT (X SLOPE) = 6.1-8.0%
- DEPTH TO RESTRICTIVE LAYER (IN INCHES)
- AVERAGE RL OF TEST HOLES WITHIN
THE SYSTEM AREA (TH 134, 9)
- RL = $\frac{33' + 40' + 33'}{3} = 35.3'$
- AVERAGE RL OF DOWNGRADE
TEST HOLES (TH 141, 142)
- RL = $\frac{33' + 43'}{2} = 38'$
- MLSS DESIGN RL = $\frac{35.3' + 38'}{2} = 36.6'$
- HYDRAULIC FACTOR (HF) = 24
- FLOW FACTOR (FF) = 4 BEDROOMS = 1.75
- PERCOLATION FACTOR (PF) = 1.25
- MLSS (IN FEET) = HF x FF x PF = 52.5'
5. 57' LINEAL FEET OF LEACHING SPREAD PROVIDED BY THE DESIGN
PROPOSED PRIMARY SYSTEM=57 LF OF GEOMATRIX GST 6218.
EFFECTIVE LEACHING RATE IS 14.0 SF PER LF. LEACHING
AREA PROVIDED IS 798 SF.
PROPOSED RESERVE SYSTEM=57 LF OF GEOMATRIX GST
6218. EFFECTIVE LEACHING RATE IS 14.0 SF PER LF.
LEACHING AREA PROVIDED IS 798 SF.

HORIZONTAL SCALE 1"=10'
VERTICAL SCALE 1"=5'

FEATHER FILL INTO GRADE

EXISTING GRADE

FINISHED GRADE COVER TRENCHES A MINIMUM OF 9'

10' MIN

5' MIN

SELECT FILL

BERM MIN

PLACE SELECT FILL OF GALLERY

BERM (INSTALLATION NOTE 9)

PROPOSED GRADE

MAX

MIN

RESERVE SEPTIC

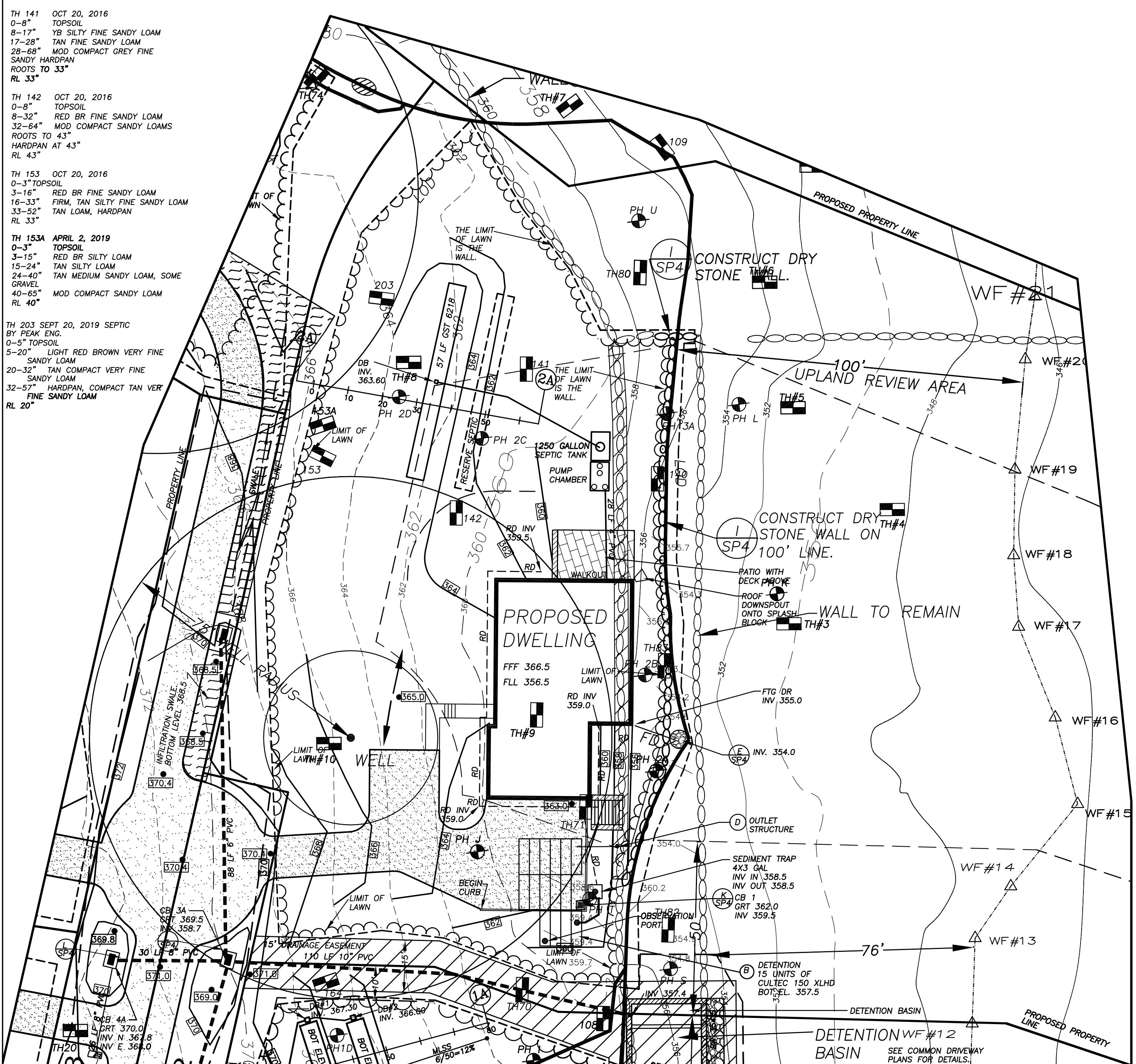
PRIMARY SEPTIC GST 6218 BOTTOM ELEV. 362.0

SILT FENCE

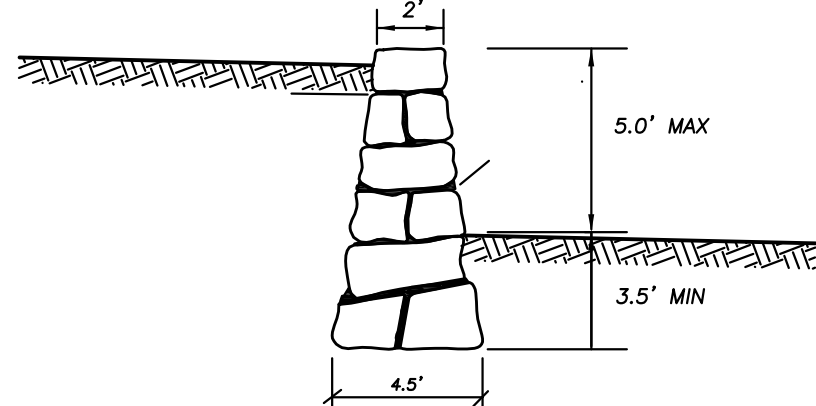
WITHIN 5'

UTILIZING A TRACK MACHINE, STRIP TOPSOIL IN THE SELECT FILL AREA AND SCARIFY SUBSOIL WITH THE TEETH OF THE BUCKET. PLACE SELECT FILL BED PER NOTES ON PLAN PLACEMENT OF SELECT FILL BED. EXCAVATE TRENCH AND INSTALL SYSTEM. THE TOPSOIL MAY BE REUSED OVER THE SYSTEM AREA.

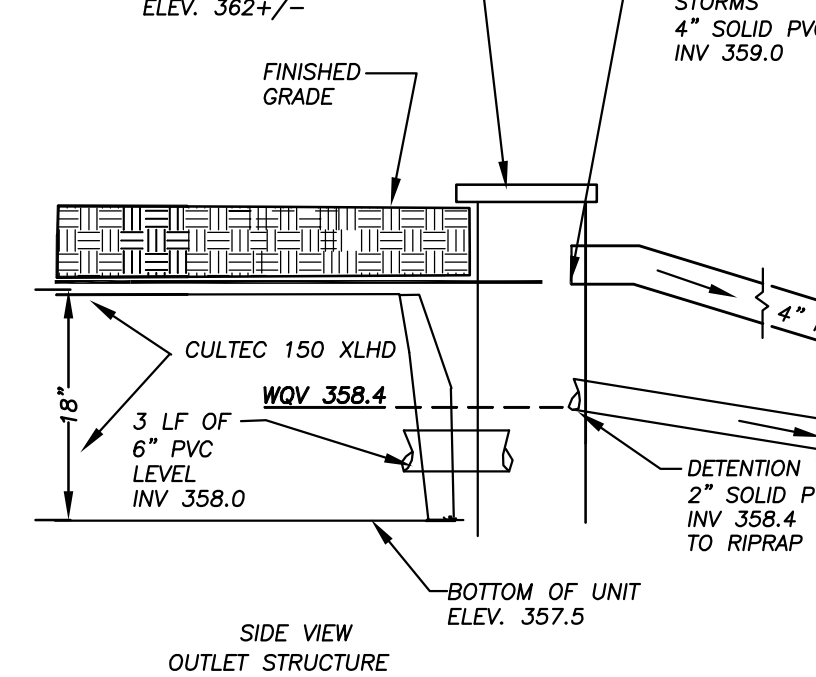
0 10 20 30 40 50 60



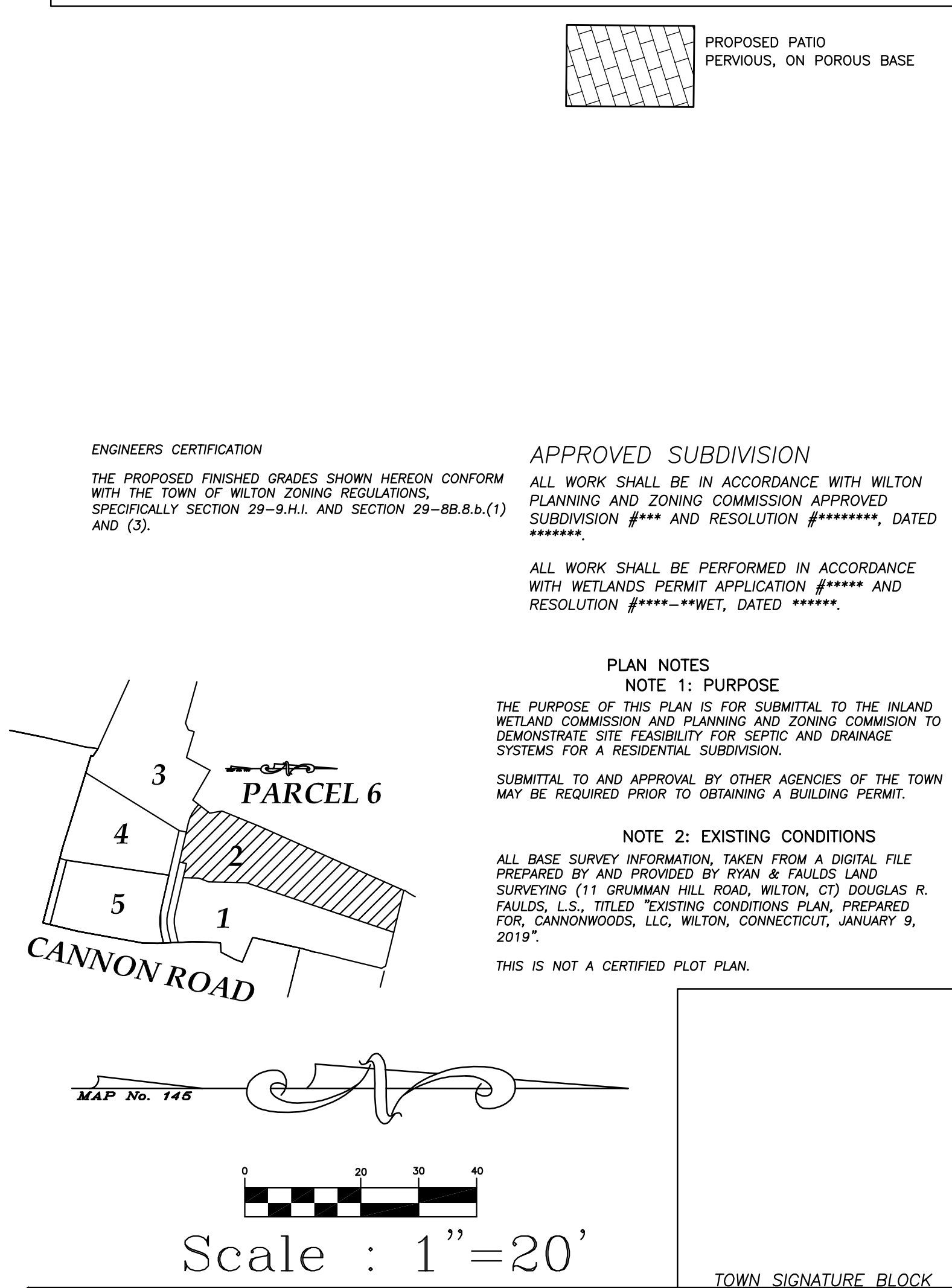
TO THE REQUIREMENTS OF THE TOWN OF WILTON.
RETAINING WALLS SHALL NOT EXCEED 6' IN HEIGHT.
WALLS SHALL BE A MINIMUM OF 10' APART WHEN STEPPED
IN SERIES.
WALLS EXCEEDING 5' IN HEIGHT SHALL HAVE A FENCE AT
LEAST 4' HIGH AT THE TOP OF THE WALL TO ENSURE SAFETY.
ALL RETAINING WALLS 4' OR GREATER IN HEIGHT MUST BE
DESIGNED BY A STRUCTURAL ENGINEER.
A BUILDING PERMIT IS REQUIRED FOR THE CONSTRUCTION OF
SUCH WALL.

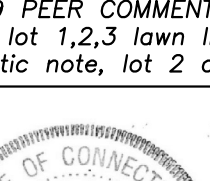


D OUTLET STRUCTURE
12" SOLID PVC WITH SOLID
CAP OBSERVATION PORT.
SET TOP AT FINISHED GRADE.



	PROPOSED CONTOUR		STONE WALL EXISTING
	EXISTING SPOT ELEVATION		STONE WALL EXISTING TO BE REMOVED
	PROPOSED SPOT ELEVATION		PROPOSED STONE WALL PROPOSED RETAINING WALL
	PERCOLATION HOLE		TREE TO REMAIN TREE PROTECTION
	DEEP TEST HOLE		TREE TO REMAIN NO PLANNED PROTECTION
	SOIL TYPE BOUNDARIES		TREE TO BE REMOVED
	WATER		TREE TO REMAIN
	WETLANDS		BOULDER DEMARCATION PLACED AT LIMIT OF LAWN
	WETLAND UPLAND REVIEW AREA		TEMPORARY SEDIMENT TRAP TREE PROTECTION FENCE
	GRADE TO DRAIN		EASEMENT
	FOOTING DRAIN		CONSTRUCTION ENTRANCE
	ROOF DRAIN		RIPRAP PAD
	ORANGE CONSTRUCTION FENCE		DETAIL LOCATION "4" IS SHEET SP-4
	SILT FENCE		EXISTING STONE AND EARTH BERM
	SILT FENCE WITH STAKED STRAWBALE		CURB
	LIMIT OF DISTURBANCE		
	CONSTRUCTION ACCESS ROUTE		
	WATER BAR		
	HAYBALE RING		
	EXISTING POWER POLE		
	UTILITIES PROPOSED		



FILE: Cannon Rd Cannonwoods LLC/NOV 5 WETLAND SUB.DWG	<div><h1>Peak Engineers, LLC</h1><p>PROVIDING CIVIL ENGINEERING SERVICES</p><p>Site, Septic, and Drainage, Engineering and Design</p><p>16 Old Mill Road, Redding, CT 06896</p><p>Tel 203-834-0588 Email TQuinn@PeakEngineersLLC.com</p></div>
DRAWING # 190620	
DATE: JUNE 24, 2019	
REV. AUG 10, 2019, HD COMMENT, MOVE TANK	
REV. SEPT. 30, 2019, IWMA comments, remove rain gardens, OCT 8, INV OCT 23, 2019 PEER COMMENTS OCT 25, 2019 PEER COMMENTS, NOV 5, 2019 lot 1,2,3 lawn limits, lot reserve septic note, lot 2 obs. port.	
<div><p>Thomas S. Quinn, P.E. 17051</p><p>THIS PRINT IS INVALID WITHOUT LIVE RED SEAL AND EMBOSSED SEAL</p></div>	<div><p>PREPARED FOR Cannonwoods LLC</p><p>36 Springbrook Lane Wilton, Connecticut 06897</p><p>PROJECT LOCATION Lot 2</p><p>3.396 acres (2.04 Acres Upland) Cannonwoods LLC Subdivision Tax Map 21, Lot 13, Wilton, Connecticut 06897</p><p>TITLE New Construction</p><p>Site Development Plan/Grading Septic and Drainage SD-2</p></div>

PERCOLATION TEST PERFORMED BY
PEAK ENGINEERS, LLC

PH 3A 24" DEEP, 8" DIAMETER, DATE JULY 01, 2016
0-2" TOP SOIL
2-12" BROWN SL
12-24" ORANGE/BROWN VFSL
Presoak: 4:13

TIME	MEASURE	DROP	MIN ELAPSED	RATE
8:16	7"			
8:26	10 7/8"	3 7/8"	10	1"/2.6 MIN.
8:31	12"	1 1/8"	5	1"/4.4 MIN.
8:36	13"	1"	5	1"/5.0 MIN.
8:41	13 5/8"	5/8"	5	1"/8.0 MIN.
8:46	14 2/8"	5/8"	5	1"/8.0 MIN.
8:51	14 6/8"	4/8"	5	1"/10.0 MIN.
8:56	< 2"			

PH K 20" DEEP, DATE JANUARY 11, 2016				
TIME	MEASURE	DROP	MIN ELAPSED	RATE
1:36	7 3/8"			
1:52	10 "	2 5/8"	16	1"/6.1 MIN.
2:17	12 1/2"	2 1/2"	25	1"/10.0 MIN.
2:45	14 3/8"	1 7/8"	23	1"/12.3 MIN.
2:56	15"	5/8"	9	1"/17.6 MIN.
3:05	15 1/2"	1/2"	11	1"/18.0 MIN.
3:15	16"	1/2"	10	1"/20.0 MIN.

TH 1 74"
 0-8" TOPSOIL
 8-38" YELLOW BROWN SILTY FINE SANDY LOAM
 38-74" MOTTLED MODERATELY COMPACT FINE-MEDIUM SAND
 38" MOTTLES
 RL 38"

TH 2 55"
 0-6" TOPSOIL
 6-17" RED BROWN SILTY LOAM, MOIST
 17-55" GREY MOTTLED MODERATELY COMPACT FINE SANDY SILTY LOAM
 17" MOTTLES
 20" WATER TABLE
 RL 17"

TH 3 64"
 0-8" TOPSOIL
 8-15" RED BROWN SILTY LOAM
 15-25" YELLOW BROWN SILTY LOAM
 25-32" MODERATELY COMPACT HARDPAN
 32-64" MOTTLED HARDPAN
 25" MOTTLES
 37" WATER TABLE
 RL 25"

TH 4 70"
 0-9" TOPSOIL
 9-26" RED BROWN SILTY FINE SANDY LOAM
 26-70" MOTTLED GREY HARDPAN
 26" MOTTLES
 40" WATER TABLE
 RL 26"

20-69" YELLOW BROWN SILTY COMPACT HARDPAN
 20" MOTTLES
 22" THICK ROOTS
 48" WATER TABLE
 RL 20"

TH 6 72"
 0-8" TOPSOIL
 8-26" YELLOW BROWN SILTY LOAM
 26-43" MODERATELY COMPACT YELLOW BROWN SILTY LOAM
 43-72" GREY MOTTLED HARDPAN
 43" MOTTLES
 60" WATER TABLE
 RL 26"

TH 7 58"
 0-8" TOPSOIL
 8-28" RED BROWN SILTY LOAM
 28-58" COMPACT GREY FINE-MEDIUM SAND W/ INTERLOCKING STONES, ROCKS
 58" LEDGE
 RL 28"

TH 8 77"
 0-5" TOPSOIL
 5-33" RED BROWN SILTY FINE SANDY LOAM
 33-77" MODERATELY COMPACT TAN SANDY LOAM W/ INTERLOCKING STONES, ROCKS
 RL 33"

TH 9 82"
 0-17" TOPSOIL
 17-28" RED BROWN FINE SANDY LOAM
 28-48" ORANGE BROWN SILTY LOAM
 48-82" MOTTLED YELLOW BROWN MEDIUM SANDY LOAM
 53" MOTTLES
 60" WATER TABLE
 RL 53"

TH 5 69"
 0-8" TOPSOIL
 8-20" RED BROWN SILTY LOAM
 20-60" BROWN SILTY BROWN SILTY COMPACT HARDPAN
 20" MOTTLES
 22" THICK ROOTS
 48" WATER TABLE
 RL 20"

TH 6 72"
 0-8" TOPSOIL
 8-26" YELLOW BROWN SILTY LOAM
 26-43" MODERATELY COMPACT YELLOW BROWN SILTY LOAM
 43-72" GREY MOTTLED HARDPAN
 43" MOTTLES
 60" WATER TABLE
 RL 26"

TH 7 58"
 0-8" TOPSOIL
 8-28" RED BROWN SILTY LOAM
 28-58" COMPACT GREY FINE-MEDIUM SAND W/
 INTERLOCKING STONES, ROCKS
 58" WEDGE
 RL 28"

TH 8 77"
 0-5" TOPSOIL
 5-33" RED BROWN SILTY FINE SANDY LOAM
 33-77" MODERATELY COMPACT TAN SANDY LOAM
 WITH INTERLOCKING STONES, ROCKS
 RL 33"

TH 9 82"
0-17" TOPSOIL
17-28" RED BROWN FINE SANDY LOAM
28-49" ORANGE BROWN SILTY LOAM
49-82" MOTTLED YELLOW BROWN MEDIUM SANDY
LOAM
53" MOTTLES
60" WATER TABLE
RL 53"

TH 10 86"
0-8" TOPSOIL
8-31" RED BROWN SANDY LOAM
31-86" MODERATELY COMPACT YELLOW BROWN
FINE-MEDIUM SAND
RL 31"

TH 70
0-5" TOPSOIL
5-18" RB BR VFSANDY LOAM
18-33" RB FINE SANDY LOAM
33-51" OLIVE BR SANDY LOAM
51-78" GREY HP
WATER 56"
ROOTS TO 51"
RL 51"

TH 71
0-30" TOPSOIL
30-58" YB SILTY FINE SANDY L
58-76" MOTTLED OLIVE BR SANDY LOAM
MOTS 58"
WATER 62"
ROOT TO 62"
RL 58"

TH 80
0-10" TOP
10-35" RB FINE SANDY LOAM WITH ROOTS
35-83" MOD COMPACT GREY SANDY HP
ROOTS TO 35"
RL 35"

TH 81
0-10" TOP
10-34" RB SILTY SANDY LOAM
34-84" GREY SANDY HP
MOTTLES 47"
WATER 72"
THIN RTS TO 33"

TH 82
0-7" TOPSOIL
7-30" YB FINE SANDY LOAM
30-60" MOTTLED GREY MOD COMPACT SILTY FINE
SAND
42-60" MOTTLED HARDPAN

TH 83
0-10" TOPSOIL
10-35" YB SILTY FINE SANDY LOAM
35-74" MOTTLED HARDPAN
ROOTS TO 35"
WATER 15"

PH 2B 24"
0-2" TOP SOIL
2-12" BROWN
12-24" ORANGE
Presoak: 4:18

TH 104 TOPSOIL
14-48" RED BROWN FINE SANDY LOAM
WITH THICK ROOTS
48-82" LIGHTLY COMPACT OLIVE GREY SANDY
LOAM WITH ROCKS
SLIGHT MOTTLES AT 48"
ROOTS TO 48"

TH 108 SEPT 2, 2016
0-4" TOPSOIL
4-48" RED BR FINE SANDY LOAM
48-72" YELLOW BROWN FINE
72-84" HARDPAN
ROOTS TO 53"

TH 109 SEPT 2, 2016
0-11" TOPSOIL
11-36" RED BROWN FINE
 SANDY LOAM
38-53" TAN SANDY LOAM
53-72" GREY HARDPAN
LR 53"

TH 110 SEPT 2, 2016
0-9" TOPSOIL
9-30" RED BROWN FINE
 SANDY LOAM
30-53" MODERATELY COMPACT
 FINE SAND, SOME GRAVEL
53-69" HARDPAN
LR 53"

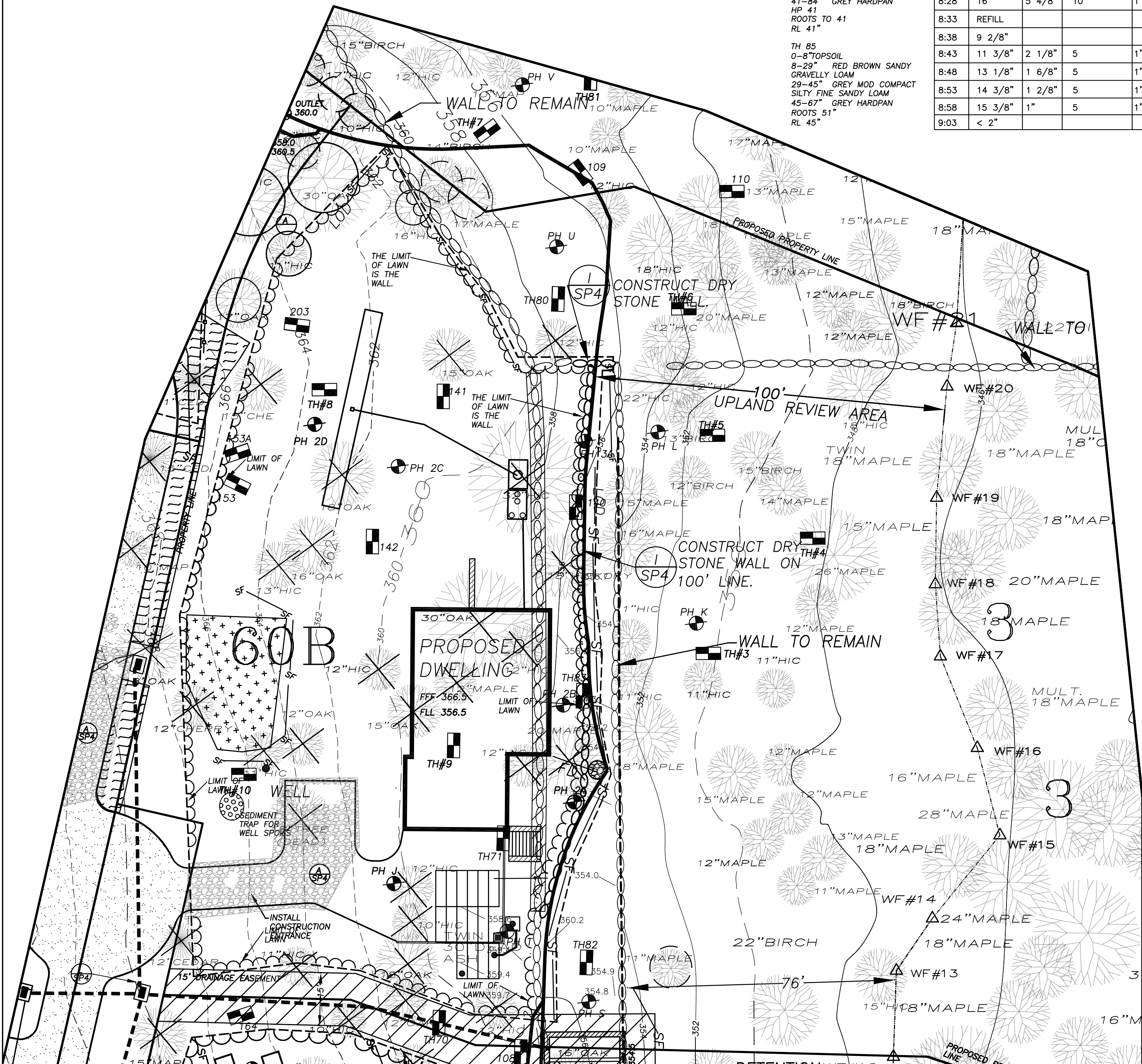
TH 740 OCT 20, 2016
0-7" TOPSOIL
7-17" RED BR SILTY FINE SANDY
LOAM
17-38" YEL BR FINE SANDY LOAM
38-70" TAN ROCKY SANDY HARDPAN
ROOTS TO 38"
RL 38"

8" DIAMETER, DATE JULY 01, 2016

KOWN VFSL

PH 2B 24" DEEP, 8" DIAMETER, DATE JULY 01, 2016
0-2" TOP SOIL
4-12" BROWN SL
12-24" ORANGE/BROWN VFSL
Presoak: 4:18

TIME	MEASURE	DROP	MIN ELAPSED	RATE
8:18	9 4/8"			
8:28	16"	5 4/8"	10	1"/1.8 MIN.
8:33	REFILL			
8:38	9 2/8"			
8:43	11 3/8"	2 1/8"	5	1"/2.4 MIN.
8:48	13 1/8"	1 6/8"	5	1"/2.9 MIN.
8:53	14 3/8"	1 2/8"	5	1"/4.0 MIN.
8:58	15 3/8"	1"	5	1"/5.0 MIN.
9:03	< 2"			



- THE CONSTRUCTION PHASING CONCEPT IS TO CONCENTRATE WORK IN A SINGLE DESIGNATED AREA - PERFORM ALL WORK, COVER, FINISH GRADE, AND INSTALL SILT FENCE TO PROTECT THE AREA - BEGETTING MOVING ON TO ANOTHER CONSTRUCTION TASK.
- NOTIFY CALL BEFORE YOU DIG" 1-800-922-4455 BEFORE DELIVERING ANY SITE INFORMATION TO ANY OTHER PARTY.
1. THE PERMITTEE SHALL NOTIFY THE REVIEWING AGENCY, IN WRITING, 48 HOURS PRIOR TO COMMENCING ACTIVITIES.
2. PLACE CONSTRUCTION ENTRANCE.
3. INSTALL ORANGE CONSTRUCTION FENCE AROUND STORM WATER DETENTION SYSTEMS TO PROTECT THE UNDERLYING SOILS.
4. REMOVE TREES TO BE REMOVED, REMOVE PORTION OF STONE WALL.
5. INSTALL TREE PROTECTION AS REQUIRED.
6. ERECT SILT FENCE AS SHOWN.
7. UTILIZING WALL STONES CONSTRUCT NEW WALL DOWNGRADE OF CONSTRUCTION AREA.
8. INSTALL STORM WATER DETENTION SYSTEM UNDER DRIVEWAY, REMOVE TOPSOIL IN DRIVEWAY, PLACE FILL TO PROTECT NEW WALL DOWNGRADE OF CONSTRUCTION AREA.
9. EXCAVATE WALL DRILLING SOD, PIT, DRILL WALL, BACKFILL PIT.
10. UTILIZING A TRACK MACHINE, STRIP TOPSOIL IN THE SEPTIC AREA AND STOCKPILE IN DRIVEWAY.
11. PREPARE SEPTIC LEACHING AREA, INSTALL SEPTIC SYSTEM, IMMEDIATELY FOLLOWING REQUIRED INSPECTIONS COVER THE SEPTIC SYSTEM WITH TOPSOIL.
12. UTILIZING WALL STONES CONSTRUCT NEW WALL DOWNGRADE OF CONSTRUCTION AREA.
13. TOPSOIL, RAKE AND SEED ALL DISTURBED AREAS AROUND THE SEPTIC FIELD.
14. PLACE SILT FENCE UPHILL OF SEPTIC LEACHING AREA.
15. STRIP TOPSOIL AND ORGANICS IN DRIVEWAY AREA. PLACE MATERIAL IN DESIGNATED STOCKPILE AREA.
16. PLACE AND COMPACT DRIVEWAY BASE.
- 17.
18. INSTALL FOUNDATION DRAIN AND RIPRAP PAD.
19. EXCAVATE DWELLING AND PERFORM PRELIMINARY GRADING OF SITE.
20. POUR FOUNDATION, THE FOOTING DRAIN TO PREVIOUSLY INSTALL PIPE.
21. BACKFILL AROUND FOUNDATION.
22. CONSTRUCT DWELLING.
23. PERFORM FINISHED GRADING, TOPSOIL, AND SEED OR PLACE SOD OVER ALL DISTURBED AREAS.
24. PLACE MULCH AND REQUIRED PLANTINGS.
25. TAWE THE DRIVEWAY.
- 26.
27. NOTIFY THE REVIEWING AGENCY THAT THE SITES DISTURBED AREAS ARE STABILIZED AND NO EROSION OR WEATHERING MAY BE REMOVED FOLLOWING THE 48-HOUR NOTICE.
28. REMOVE THE COLLECTED SEDIMENT FROM THE SILT FENCE AND STRANGLES, DISPOSE MATERIAL IN AN APPROVED OFFSITE LOCATION.
29. REMOVE EROSION CONTROLS.

	PROPOSED CONTOUR		STONE WALL EXISTING
	EXISTING SPOT ELEVATION		STONE WALL EXISTING TO BE REMOVED
	PROPOSED SPOT ELEVATION		PROPOSED STONE WALL
	PERCOLATION HOLE		PROPOSED RETAINING WALL
	DEEP TEST HOLE		TREE TO REMAIN
	SOIL TYPE BOUNDARIES		TREE PROTECTION
	WATER		TREE TO REMAIN NO PLANNED PROTECTION
	WETLANDS		TREE TO BE REMOVED
	WETLAND UPLAND REVIEW AREA		TREE TO REMAIN
	GRADE TO DRAIN		BOULDER DEMARCATION PLACED AT LIMIT OF LAWN
	FOOTING DRAIN		TEMPORARY SEDIMENT TRAP
	ROOF DRAIN		TREE PROTECTION FENCE
	ORANGE CONSTRUCTION FENCE		EASEMENT
	SILT FENCE		STOCKPILE AREA
	SILT FENCE WITH STAKED STRAWBALE		CONSTRUCTION ENTRANCE
	LIMIT OF DISTURBANCE		RIPRAP PAD
	CONSTRUCTION ACCESS ROUTE		DETAIL LOCATION "4" IS SHEET SP-4
	WATER BAR		EXISTING STONE AND EARTH BERM
	HAYBALE RING		CURB
	EXISTING POWER POLE		
	UTILITIES PROPOSED		

MAPLE	MAP
SUGAR MAPLE	SMAP
RED MAPLE	RMAP
HICKORY	HIC
SHAGBARK HICKORY	SHIC
POPLAR	POP
OAK	OAK
WHITE OAK	WOAK
ASH	ASH
BIRCH	BIR
ORCHARD TREE	ORC
ELM	ELM
CHOKE CHERRY	CC
BEECH	BEE
CHERRY	CHE
CEDAR	CED

USDA NRCS CLASSIFICATIONS	
SYMBOL	SOIL NAME
3	RIDGEWAY, LEICESTER, AND WHITMAN SOILS, 0-8% SLOPES, EXTREMELY STONY
18	CADEN SOIL, 0-2% SLOPE
47	WOODBIDGE FINE SANDY LOAM, EXTREMELY STONY
60B	CHARLTON SOIL, 3-8% SLOPE
60C	CHARLTON SOIL, 8-15% SLOPE
61B	CHARLTON SOIL, 3-8% SLOPE, VERY STONY
62C	CHARLTON SOIL, 3-15% SLOPE, EXTREMELY STONY
73C	CHARLTON-CHATFIELD COMPLEX, 3-15% SLOPE, VERY ROCKY

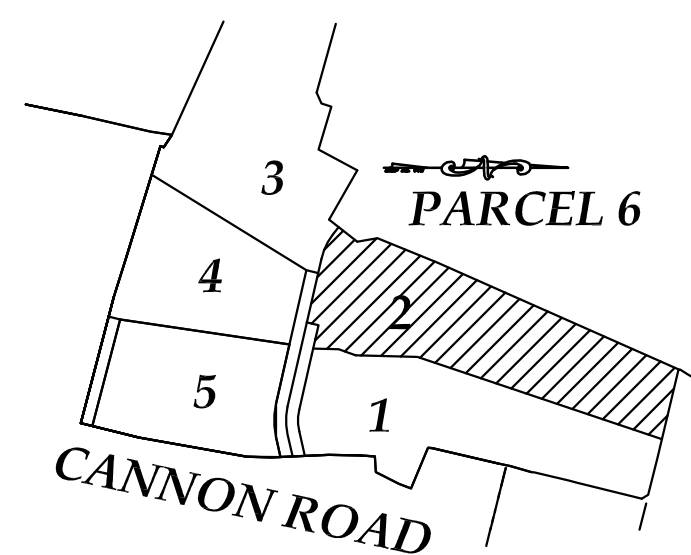
ALL WORK SHALL BE IN ACCORDANCE WITH WILTON
PLANNING AND ZONING COMMISSION APPROVED
SUBDIVISION #*** AND RESOLUTION #*****, DATED
*****.

ALL WORK SHALL BE PERFORMED IN ACCORDANCE
WITH WETLANDS PERMIT APPLICATION #**** AND
RESOLUTION #****-**WET, DATED *****.

NOTE 1: PURPOSE
 OF THIS PLAN IS FOR SUBMITTAL TO THE INLAND
 COMMISSION AND PLANNING AND ZONING COMMISSION TO
 OBTAIN A RESIDENTIAL SUBDIVISION.
 AND APPROVAL BY OTHER AGENCIES OF THE TOWN
 PRIOR TO OBTAINING A BUILDING PERMIT.

BASE SURVEY INFORMATION, TAKEN FROM A DIGITAL FILE
PREPARED BY AND PROVIDED BY RYAN & FAULDS LAND
SURVEYING (11 GRUMMAN HILL ROAD, WILTON, CT) DOUGLAS R.
RYAN, L.S., TITLED "EXISTING CONDITIONS PLAN, PREPARED
FOR CANNONWOODS, LLC, WILTON, CONNECTICUT, JANUARY 9,
2009".

THIS IS NOT A CERTIFIED PLOT PLAN.




Scale : 1''=20'

TOWN SIGNATURE BLOCK

FILE: Cannon Rd Cannonwoods
LLC/NOV 5 WETLAND SUB.DWG
DRAWING # 190620
DATE: JUNE 24, 2019

REV: AUG 10, 2019, HD COMMENT,
MOVE TANK
REV: SEPT. 30, 2019, IWWA comments,
remove rain gardens, OCT 8, INV
OCT 23, 2019 PEER COMMENTS
OCT 25, 2019 PEER COMMENTS.
NOV 5, 2019 lot 1,2,3 lawn limits, lot
1 reserve septic note, lot 2 obs. port.



 Thomas S. Quinn, P.E. 17051

THIS PRINT IS INVALID WITHOUT
 LIVE RED SEAL AND EMBOSSED SEAL

Peak Engineers, LLC

PROVIDING CIVIL ENGINEERING SERVICES

Site, Septic, and Drainage, Feasibility and Design

16 Old Mill Road, Redding, CT 06896
Tel 203-834-0588 Email: TQuinn@PeakEngineersLLC.com

PREPARED FOR	Cannonwoods LLC
--------------	-----------------

36 Springbrook Lane
Wilton, Connecticut 06897

PROJECT LOCATION	Lot 2
	3.396 Acres (2.04 Acres Upland)

Cannonwoods LLC Subdivision
Tax Map 21, Lot 13, Wilton, Connecticut 06897

TITLE	New Construction
-------	------------------

Site Development Plan Tree Protection, Stone Wall Preservation Erosion Controls

PERCOLATION DATA					
PERCOLATION TEST PERFORMED BY PEAK ENGINEERS, LLC					
PH 30 8" DIAMETER, 30" DEEP, DATE MAY 24, 2019					
PRESOAK 4:02					
TIME	MEASURE	DROP	MIN ELAPSED	RATE	
4:28	12"				
4:38	14"	2"	10	1"/5.0 MIN.	
4:48	16"	2"	10	1"/5.0 MIN.	
4:58	18"	2"	10	1"/5.0 MIN.	
5:08	20"	2"	10	1"/5.0 MIN.	
5:18	22"	2"	10	1"/5.0 MIN.	

PH M 24" DEEP, DATE JANUARY 11, 2016					
TIME	MEASURE	DROP	MIN ELAPSED	RATE	
3:00	11 7/8"				
3:17	14"	2 1/8"	17	1"/8.0 MIN.	
3:28	15"	1"	11	1"/11.0 MIN.	
3:38	15 3/4"	3/4"	10	1"/13.3 MIN.	
3:53	16 1/2"	3/4"	15	1"/20.0 MIN.	
4:08	17 1/8"	3/4"	15	1"/20.0 MIN.	

PH 3E 8" DIAMETER, 37" DEEP, DATE MAY 24TH, 2019					
PRESOAK 3:40					
TIME	MEASURE	DROP	MIN ELAPSED	RATE	
4:26	10				
4:36	13	3"	10	1"/3.33 MIN.	
4:46	17	4"	10	1"/2.5 MIN.	
4:56	19	2"	10	1"/5.0 MIN.	
5:06	21	2"	10	1"/5.0 MIN.	
5:16	23	2"	10	1"/5.0 MIN.	

PH 3F 8" DIAMETER, 42" DEEP, DATE SEPT 24, 2019					
PRESOAK 12:35 28 1/2" STICK 8" FROM GRADE					
TIME	MEASURE	DROP	MIN ELAPSED	RATE	
4:09	20"				
4:19	24"	4"	10	1"/2.5 MIN.	
4:29	26 3/8"	2 3/8"	10	1"/4.2 MIN.	
4:39	27 7/8"	1 1/2"	10	1"/6.7 MIN.	
4:49	29"	1 1/8"	10	1"/8.9 MIN.	
4:59	29 3/4"	3/4"	10	1"/13.3 MIN.	

PH 3G 8" DIAMETER, 24" DEEP, DATE SEPT 24, 2019					
PRESOAK 11:57, 15					
TIME	MEASURE	DROP	MIN ELAPSED	RATE	
4:05	10"				
4:15	15 3/4"	5 3/4"	10	1"/1.7 MIN.	
4:25	19"	3 1/4"	10	1"/3.1 MIN.	
4:35	21"	2"	10	1"/5.0 MIN.	
4:45	23"	2"	10	1"/5.0 MIN.	

PH N 20" DEEP, DATE JANUARY 11, 2016					
TIME	MEASURE	DROP	MIN ELAPSED	RATE	
3:12	11 3/4"				
3:18	13 1/8"	1 3/8"	6	1"/4.4 MIN.	
3:29	14 3/4"	1 5/8"	11	1"/6.8 MIN.	
3:39	15 3/4"	1"	10	1"/10.0 MIN.	
3:54	16 1/2"	3/4"	15	1"/20.0 MIN.	
4:09	17 1/4"	3/4"	15	1"/20.0 MIN.	

TEST HOLE DATA	
TH 149	OCT 20, 2016
0-8"	TOPSOIL
8-18"	RED BR SILTY ROCKY LOAM
18-51"	TAN SILTY FINE SANDY LOAM
51-64"	TAN SANDY HARDPAN
ROOTS TO 51"	
RL 51"	
TH 160	APRIL 2, 2019
0-5"	TOPSOIL
5-19"	YB SILTY FINE SANDY LOAM
19-44"	OLIVE BR SILTY LOAM
44-78"	COMPACT GREY HARDPAN
RL 44"	
TH 161	APRIL 2, 2019
0-10"	TOPSOIL
10-32"	YEL BR FINE SANDY LOAM

ROOT FEELERS TO 58"	
RL 32"	
TH 162	APRIL 2, 2019
0-5"	TOPSOIL
5-23"	RED BR SILTY FINE SANDY LOAM
23-42"	YB SILTY FINE SANDY LOAM
42-77"	GREY SANDY HARDPAN
RL 42"	
TH 111	SEPT 2, 2016
0-8"	TOPSOIL
8-40"	YELLOW BROWN FINE SANDY LOAM
40-64"	MOD. COMPACT GREY
RL 40"	

ROOTS TO 40"					
RL 40"					
TH 113	SEPT 2, 2016			TH 21	
0-6" TOPSOIL				BY P	
6-40" YELLOW BR FINE SANDY LOAM				0-4"	
40-67" GREY HARDPAN				4-11"	
ROOTS TO 40"				11-33"	
RL 40"				30-33"	
				36-51"	
TH 15 76"	MAY 8, 2015			ROOTS TO	
0-8" TOPSOIL				RL 36"	
8-28" RED BROWN SILTY LOAM					
28-76" MODERATELY COMPACT					

47" MOTTLES	BY P
75" WATER TABLE	0-4"
RL 28"	4-17"
	17-31"
TH 74	JAN 22, 2016
0-10"	TOPSOIL
10-28"	LB VERY FINE SANDY
LOAM	ROOT
28-77"	M.C.GREY FINE SANDY
LOAM	RL 31"
RL 28"	
TH 75	
0-9" TOP	
	MOD. COMPACT GREY HARDPAN

26-40"	GREY FINE SANDY LOAM
40-75"	GREY HP
ROOTS TO 26"	
RL 40"	
TH 77 JANUARY 22, 2016	
0-11"	TOP
11-18"	YB V FINE SANDY L
18-25"	YB FINE SANDY LOAM
25-86"	GREY HP
MOTTLES 25"	
RL 25"	

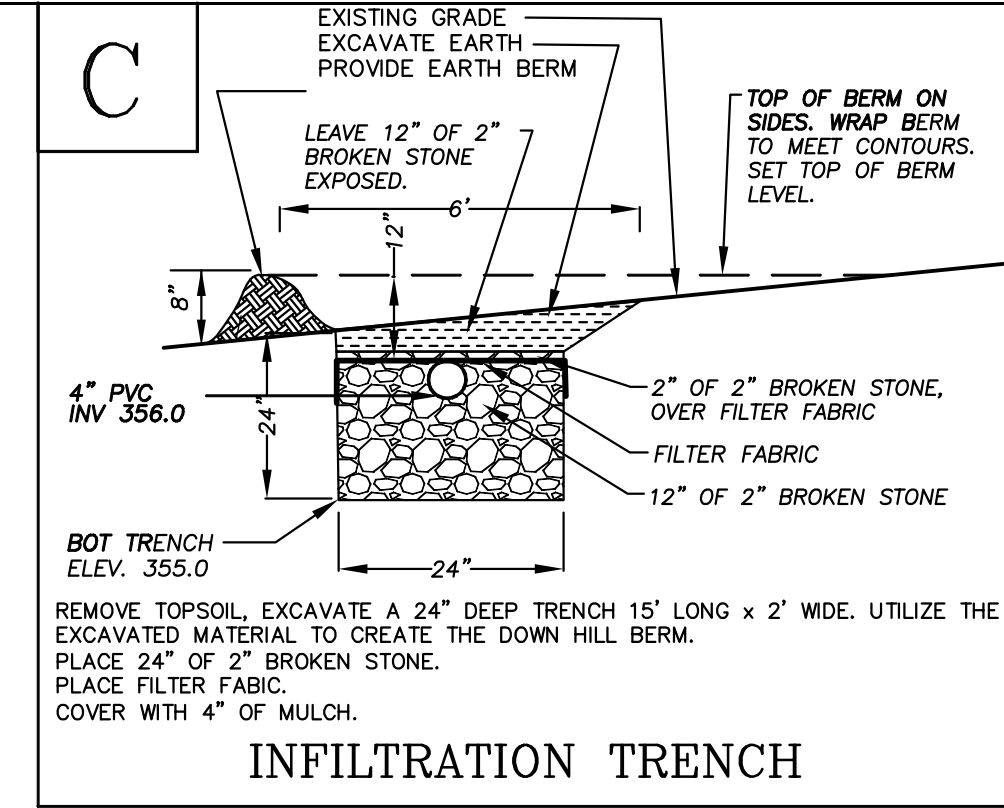
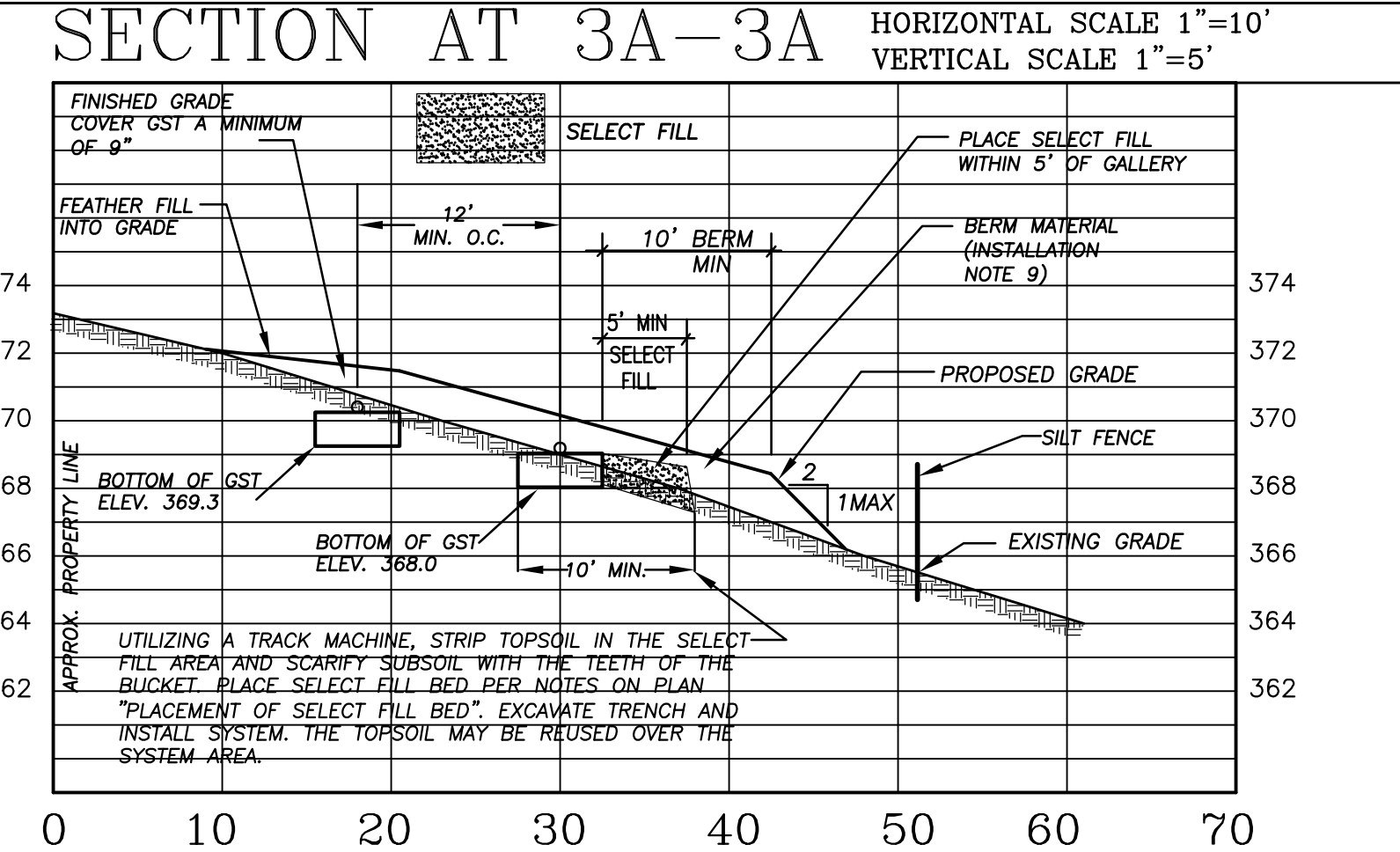
TH	DATE	TOPSOIL					
TH 75	JAN 22, 2016	0-9" TOPSOIL					
		9-26"				RESILTY FINE SANDY LOAM	
						26-40"	
						40-75"	
						ROOTS TO 26"	

SEPTIC DESIGN DATA					
1. PROPOSED 5 BEDROOM RESIDENCE.					
2. DESIGN PERCOLATION RATE 1"/1.0-1"/10.0 MINUTES.					
3. REQUIRED LEACHING AREA IS 660 SQUARE FEET.					
4. MLSS CALCULATIONS					

HYDRAULIC GRADIENT	(% SLOPE)	= 10.1-15.0%
DEPTH TO RESTRICTIVE LAYER (IN INCHES)		
AVERAGE RL OF TEST HOLES WITHIN THE SYSTEM AREA (TH 149, 162) IS		
RL = $\frac{51 + 42}{2} = 46.5$		
AVERAGE RL OF DOWNGRADE TEST HOLES (TH 160, 161)		
RL = $\frac{44 + 32}{2} = 38$		
MLSS DESIGN RL = $\frac{46.5 + 38}{2} = 42.25$		
HYDRAULIC FACTOR (HF)	2	= 16
FLOW FACTOR (FF) = 5 BEDROOMS		= 2.0
PERCOLATION FACTOR (PF)		= 1.0
MLSS (IN FEET) = HF x FF x PF		= 32'
33 LINEAL FEET OF LEACHING SPREAD PROVIDED BY THE DESIGN		

SEPT 20, 2019 DRAINAGE
ENG.
TOPSOIL
BROWN SILTY LOAM
LIGHT RED BROWN SILTY VERY
E SANDY LOAM
M.C. TAN VERY FINE SANDY
LOAM
COMPACT TAN VERY FINE
SANDY LOAM
O 36"

DATE	20, 2019 DRAINAGE	
ENG.		
TOPSOIL		
	RED BROWN FINE SANDY LOAM	
	LIGHT RED BROWN SILTY LOAM	
	TAN COMPACT FINE SANDY	
11		
0	36"	



102 EXISTING CONTOUR

PROPOSED CONTOUR

EXISTING SPOT ELEVATION

PROPOSED SPOT ELEVATION

PH A

PERCOLATION HOLE

TH 1

DEEP TEST HOLE

SOIL TYPE BOUNDARIES

WATER

WETLANDS

WETLAND UPLAND REVIEW AREA

GTD

GRADE TO DRAIN

FD

FOOTING DRAIN

RD

ROOF DRAIN

O.C.F.

ORANGE CONSTRUCTION FENCE

LOD

LIMIT OF DISTURBANCE

CONSTRUCTION ACCESS ROUTE

WATER BAR

HAYBALE RING

EXISTING POWER POLE

UTILITIES PROPOSED

DRIVE PROPOSED

STONE WALL EXISTING

STONE WALL EXISTING TO BE REMOVED

PROPOSED STONE WALL

PROPOSED RETAINING WALL

TREE TO REMAIN

TREE PROTECTION

TREE TO REMAIN

NO PLANNED PROTECTION

TREE TO BE REMOVED

TREE TO REMAIN

BOULDER DEMARCATION

PLACED AT LIMIT OF LAWN

TEMPORARY SEDIMENT TRAP

TREE PROTECTION FENCE

EASEMENT

CONSTRUCTION ENTRANCE

RIPRAP PAD

DETAIL LOCATION

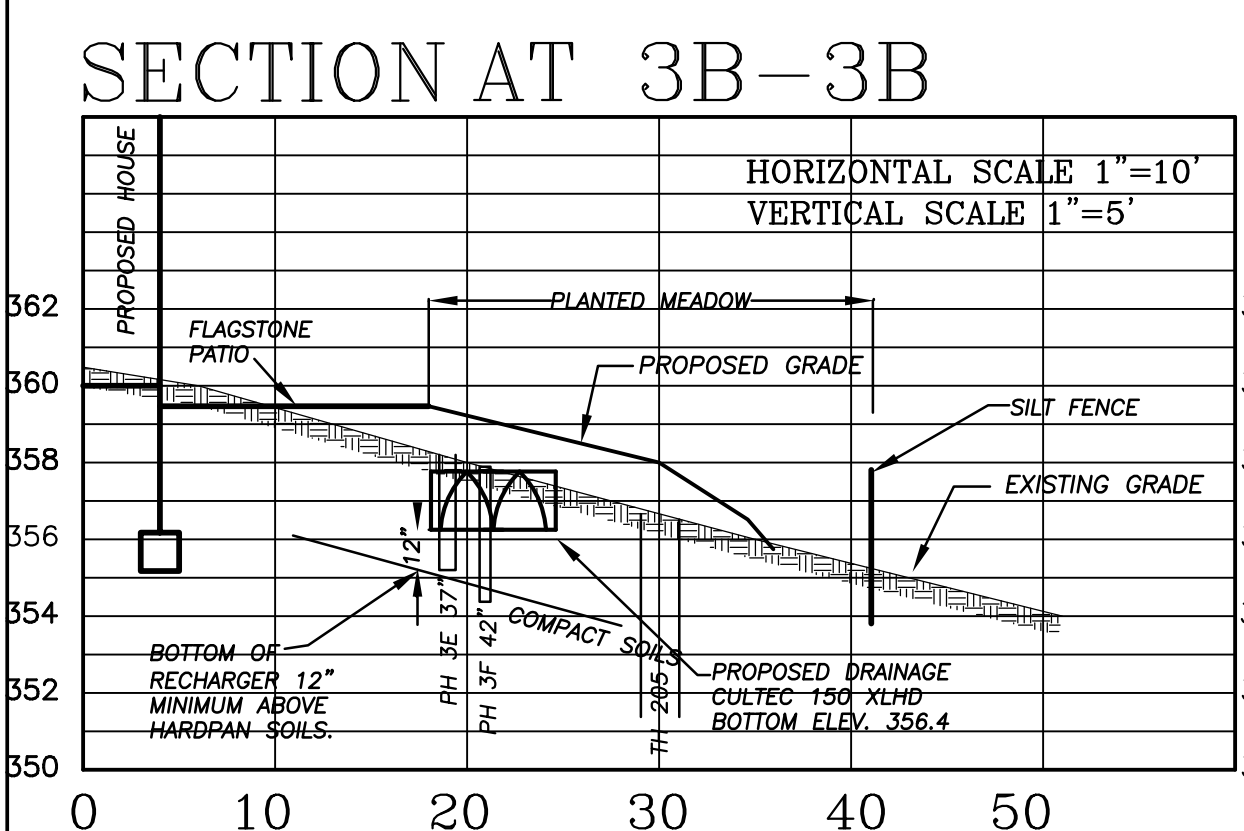
4" IS SHEET SP-4

EXISTING STONE AND EARTH BERM

CURB

PROPOSED PATIO

PERVIOUS, ON POROUS BASE



OVERFLOW GRATE. 6" DIAMETER YARD DRAIN. AT FINISHED GRADE. 364.0 +/-

COVER UNITS WITH 2" OF STONE.

BROKEN STONE OR SCREENED GRAVEL

CULTEC 410 FILTER FABRIC

18.5" UNIT

WQV 362.1 RECHARGER 150

6" PERF. PVC

INSTALL CULTEC RECHARGER 150XLHD BOTTOM OF UNIT ELEV. 361.50

33"

96" EXCAVATED TRENCH

DOUBLEWIDE INSTALLATION OF CULTEC RECHARGER 150 XLHD

OUTLET STRUCTURE 12" SOLID PVC WITH SOLID CAP OBSERVATION PORT. SET TOP AT FINISHED GRADE. ELEV. 359.4 +/-

OBSERVATION PORT. 6" DIA. SOLID PVC WITH CAP AT GRADE.

BROKEN STONE OR SCREENED GRAVEL

CULTEC 410 FILTER FABRIC

18.5" UNIT

WQV 357.1 RECHARGER 150

3 LF OF 6" PVC LEVEL INV. 357.10

INSTALL CULTEC RECHARGER 150XLHD BOTTOM OF UNIT ELEV. 356.4

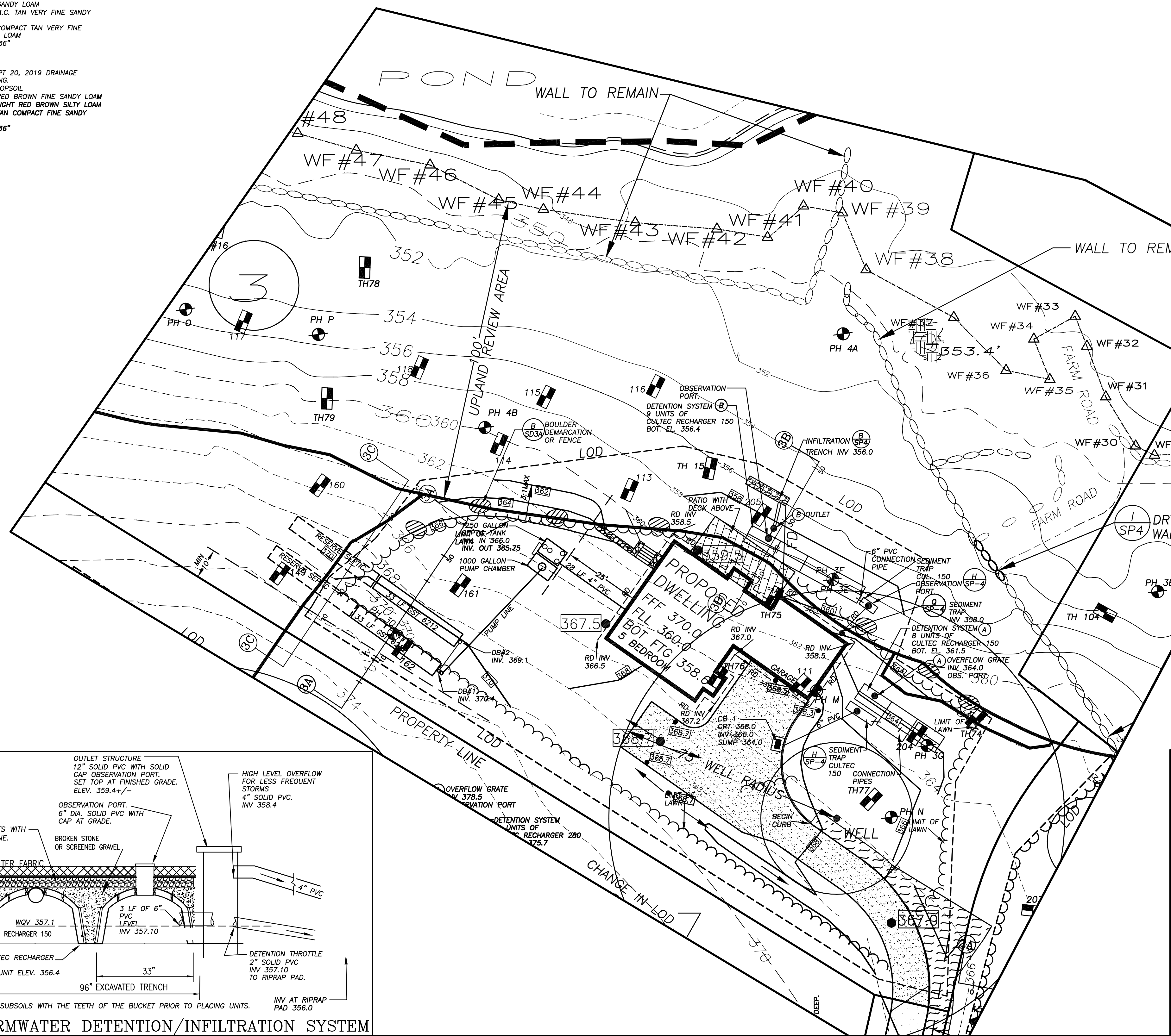
33"

96" EXCAVATED TRENCH

HARROW SUBSOILS WITH THE TEETH OF THE BUCKET PRIOR TO PLACING UNITS.

DETENTION THROTTLE 2" SOLID PVC INV. 357.10 TO RIPRAP PAD. 356.0

STORMWATER DETENTION/INFILTRATION SYSTEM



PARCEL 6

CANNON ROAD

ENGINEERS CERTIFICATION

THE PROPOSED FINISHED GRADES SHOWN HEREON CONFORM WITH THE TOWN OF WILTON ZONING REGULATIONS, SPECIFICALLY SECTION 29-9.H.I. AND SECTION 29-8B.b.(1) AND (3).

APPROVED SUBDIVISION

ALL WORK SHALL BE IN ACCORDANCE WITH WILTON PLANNING AND ZONING COMMISSION APPROVED SUBDIVISION #*** AND RESOLUTION #***** DATED *****

ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH WETLANDS PERMIT APPLICATION #***** AND RESOLUTION #*****, WET, DATED *****

PLAN NOTES

NOTE 1: PURPOSE

THE PURPOSE OF THIS PLAN IS FOR SUBMITTAL TO THE INLAND WETLAND COMMISSION AND PLANNING AND ZONING COMMISSION TO DEMONSTRATE SITE FEASIBILITY FOR SEPTIC AND DRAINAGE SYSTEMS FOR A RESIDENTIAL SUBDIVISION.

SUBMITTAL TO AND APPROVAL BY OTHER AGENCIES OF THE TOWN MAY BE REQUIRED PRIOR TO OBTAINING A BUILDING PERMIT.

NOTE 2: EXISTING CONDITIONS

ALL BASE SURVEY INFORMATION, TAKEN FROM A DIGITAL FILE PREPARED BY AND PROVIDED BY RYAN & PAULUS LAND SURVEYING (11 GRIMMAY HILL ROAD, WILTON, CT) DOUGLAS R. FAULDS, L.S., TITLED "EXISTING CONDITIONS PLAN, PREPARED FOR, CANNONWOODS, LLC, WILTON, CONNECTICUT, JANUARY 9, 2019".

THIS IS NOT A CERTIFIED PLOT PLAN.

MAP No. 146

Scale : 1"=20'

TOWN SIGNATURE BLOCK

FILE: Cannon Rd Cannonwoods LLC/NOV 5 WETLAND SUB.DWG

DRAWING # 190620

DATE: JUNE 24, 2019

REV AUG 10, 2019, HD COMMENT, MOVE TANK

REV: SEPT. 30, 2019, IHW comments, remove rain gardens, OCT 8, INV OCT 23, 2019 PEER COMMENTS

OCT 25, 2019 PEER COMMENTS.

NOV 5, 2019 lot 1,2,3 lawn limits, lot 1 reserve septic note, lot 2 obs. port.

STATE OF CONNECTICUT

THOMAS S. QUINN

No. 17051

Professional Engineer

Thomas S. Quinn, P.E. 17051

THIS PRINT IS INVALID WITHOUT LIVE RED SEAL AND EMBOSSED SEAL

Peak Engineers, LLC

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Site, Septic, and Drainage, Feasibility and Design

16 Old Mill Road, Redding, CT 06896

Tel 203-834-0588 Email: TQuinn@PeakEngineersLLC.com

PREPARED FOR

Cannonwoods LLC

36 Springbrook Lane

Wilton, Connecticut 06897

PROJECT LOCATION

Lot 3

4.131 Acres (2.06 Acres Upland)

Cannonwoods LLC Subdivision

Tax Map 21, Lot 13, Wilton, Connecticut 06897

TITLE

New Construction

Site Development Plan/Grading

Septic and Drainage

SD-3

PERCOLATION DATA

PERCOLATION TEST PERFORMED BY
PEAK ENGINEERS, LLC

PH 4A 24" DEEP, 8" DIAMETER, DATE JUNE 30, 2016				
0-3" TOP SOIL				
3-16" BROWN SIL L				
16-24" ORANGE/BROWN VFSL				
PRESOAK: 6:51				
TIME	MEASURE	DROP	MIN ELAPSED	RATE
10:20	9 3/8"			
10:30	14 1/8"	4 6/8"	10	1"/2.1 MIN.
10:35	15 3/8"	1 2/8"	5	1"/4.0 MIN.
10:40	16 4/8"	1 1/8"	5	1"/4.4 MIN.
10:45	17 3/8"	7/8"	5	1"/5.7 MIN.
10:50	18 1/8"	6/8"	5	1"/6.7 MIN.
10:55	18 7/8"	6/8"	5	1"/6.7 MIN.
10:55	< 2"			

PH N 20" DEEP, DATE JANUARY 11, 2016				
TIME	MEASURE	DROP	MIN ELAPSED	RATE
3:12	11 3/4"			
3:18	13 1/8"	1 3/8"	6	1"/4.4 MIN.
3:29	14 3/4"	1 5/8"	11	1"/6.8 MIN.
3:39	15 3/4"	1"	10	1"/10.0 MIN.
3:54	16 1/2"	3/4"	15	1"/20.0 MIN.
4:09	17 1/4"	3/4"	15	1"/20.0 MIN.

TH 116 SEPT 2, 2016
0-9" TOPSOIL
9-21" YEL BR FINE SANDY LOAM
21-44" MOD COMPACT TAN SILTY LOAM
44-64" MOD. COMPACT GREY HARDPAN
ROOTS TO 40"
RL 21"

TH 118 SEPT 2, 2016
0-7" TOPSOIL
7-29" FIRM YEL BR FINE SANDY LOAM
29-60" TAN HARDPAN
ROOTS TO 29"
RL 29"

TH 76
0-10" TOP
10-24" RB FINE SANDY LOAM
24-29" YB SANDY L
29-84" GREY HP
ROOTS TO 29"
RL 29"

TH 77 JANUARY 22, 2016
0-11" TOP
11-18" YB V FINE SANDY L
18-25" YB FINE SANDY LOAM
25-86" GREY HP
MOTTLES 25"
RL 25"

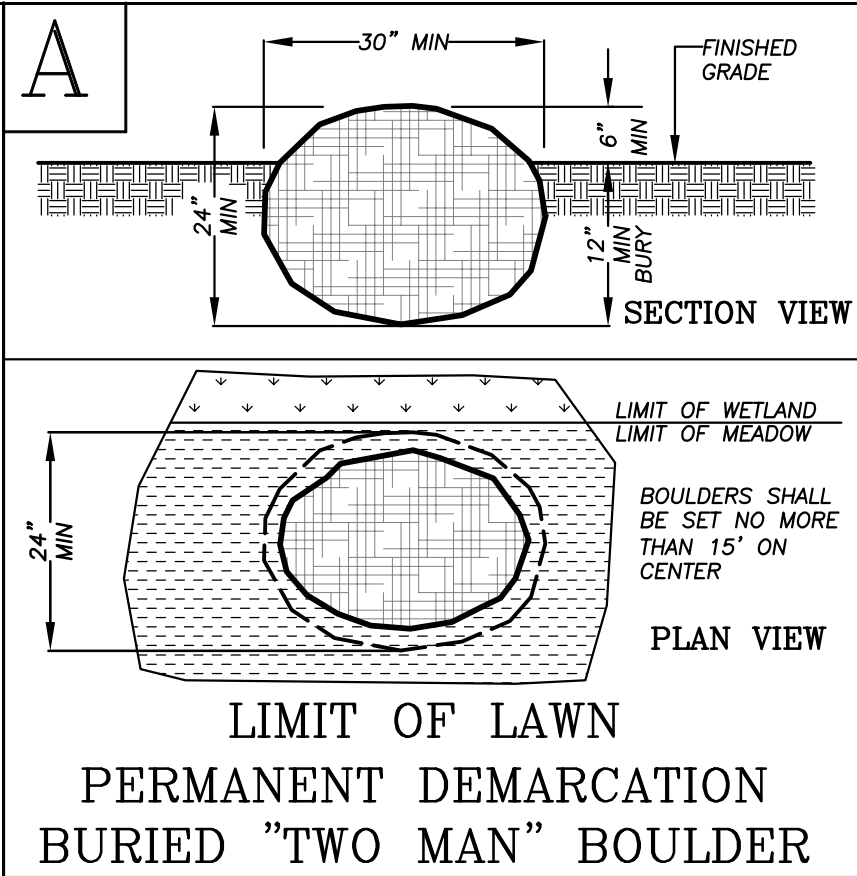
TH 111 SEPT 2, 2016
0-8" TOPSOIL
8-40" YELLOW BROWN FINE SANDY LOAM
40-64" MOD. COMPACT GREY HARDPAN
ROOTS TO 40"
RL 40"

TH 114 SEPT 2, 2016
0-6" TOPSOIL
6-27" ORG BR FINE SANDY LOAM
27-63" HARDPAN
ROOTS TO 27"
RL 27"

TH 115 SEPT 2, 2016
0-3" TOPSOIL
3-18" RED BROWN FINE SANDY LOAM
18-27" FIRM YELLOW BROWN FSL
27-45" OLIVE HARDPAN
RL 27"

TH 79 JANUARY 22, 2016
0-9" TOP
9-28" RB FINE SANDY LOAM
28-40" LT COMPACT GREY FINE SANDY LOAM
40-79" GREY HP
ROOTS TO 28"
RL 40"

TH 114 SEPT 2, 2016
0-6" TOPSOIL
6-27" ORG BR FINE SANDY LOAM
27-63" HARDPAN
ROOTS TO 27"
RL 27"



RESIDENCE CONSTRUCTION SEQUENCE/PHASING PLAN

THE CONSTRUCTION PHASING CONCEPT IS TO CONCENTRATE WORK IN A SINGLE DESIGNATED AREA - PERFORM ALL WORK, COVER, FINISH GRADE, AND INSTALL SILT FENCE TO PROTECT THE AREA - BEFORE MOVING ON TO ANOTHER CONSTRUCTION TASK.

NOTIFY CALL BEFORE YOU DIG 1-800-922-4455, BEFORE ANY EQUIPMENT IS DELIVERED TO THE SITE.

- THE PERMITTEE SHALL NOTIFY THE REVIEWING AGENCY, IN WRITING, 48 HOURS PRIOR TO COMMENCING ACTIVITIES.
- PLACE CONSTRUCTION ENTRANCE.
- INSTALL SILT FENCE BACKED WITH HAYBALES ON THE FAR DOWNHILL SIDE OF THE LIMIT OF DISTURBANCE.
- REMOVE TREES TO BE REMOVED.
- INSTALL TREE PROTECTION AS REQUIRED.
- IF NECESSARY, EXCAVATE TST TRENCH AND STONE OUTLET.
- STRIP TOPSOIL AND ORGANICS IN DRIVEWAY AREA. PLACE MATERIAL IN DESIGNATED STOCKPILE AREA.
- PLACE AND COMPACT DRIVEWAY BASE.
- EXCAVATE DWELLING. PERFORM PRELIMINARY GRADING OF SITE.
- POUR FOUNDATION.
- BACKFILL AROUND FOUNDATION.
- CONSTRUCT DWELLING.
- INSTALL FOOTING DRAIN INFILTRATION TRENCH AND EXTEND PIPE UPHILL TOWARD HOUSE SITE.
- EXCAVATE TRENCH AND INSTALL STORM WATER DETENTION SYSTEM. AFTER INSPECTION, BACKFILL THE SYSTEM.
- PLACE TOPSOIL, RAKE AND SEED WITH SPECIFIED MEADOW GRASSES.
- INSTALL DEMARCATION BOULDERS.
- CONSTRUCT RETAINING WALL. FINISH GRADING.
- INSTALL SILT FENCE BACKED HAYBALES IMMEDIATELY UPGRADE OF THE RETAINING WALL.
- UTILIZING A TRACK MACHINE, STRIP TOPSOIL IN THE SEPTIC AREA, AND STOCKPILE MATERIAL JUST UPHILL OF THE SEPTIC TRENCH.
- PREPARE SEPTIC LEACHING AREA, INSTALL SEPTIC SYSTEM, IMMEDIATELY FOLLOWING REQUIRED INSPECTIONS COVER THE SEPTIC SYSTEM WITH TOPSOIL, RAKE AND SEED.
- IF INSTALLED, INSPECT TEMPORARY SEDIMENT TRAP AFTER EACH RAIN EVENT OF 1/2" OR MORE AND AT LEAST EVERY WEEK. IF NECESSARY REMOVE COLLECTED SEDIMENT AND PLACE MATERIAL IN THE APPROVED STOCKPILE AREA OR REMOVE FROM THE SITE.
- CONSTRUCT A TEMPORARY SEDIMENT TRAP FOR WELL DRILLING SPOILS. DRILL WELL. REMOVE SPOILS.
- PERFORM FINISHED GRADING. TOPSOIL AND SEED OR PLACE SOD OVER ALL DISTURBED AREAS.
- PAVE DRIVEWAY
- ONCE THE PLANTED GRASS IS MATURE (OR SOD IS IN PLACE) FILL AND GRADE OVER TEMPORARY SEDIMENT TRAP, PLACE TOPSOIL, RAKE AND SEED.
- NOTIFY THE REVIEWING AGENCY THAT THE SITES DISTURBED AREAS ARE STABILIZED AND THAT EROSION CONTROLS MAY BE REMOVED FOLLOWING THE 48-HOUR NOTICE.
- REMOVE THE COLLECTED SEDIMENT FROM THE SILT FENCE, AND STRAWBALES. DISPOSE OF MATERIAL IN AN APPROVED OFFSITE LOCATION.
- REMOVE EROSION CONTROLS.

102 EXISTING CONTOUR

PROPOSED CONTOUR

EXISTING SPOT ELEVATION

PROPOSED SPOT ELEVATION

PERCOLATION HOLE

DEEP TEST HOLE

SOIL TYPE BOUNDARIES

WATER

WETLANDS

WETLAND UPLAND REVIEW AREA

GRADE TO DRAIN

FOOTING DRAIN

ROOF DRAIN

ORANGE CONSTRUCTION FENCE

SILT FENCE

SILT FENCE WITH STAKED STRAWBALE

LIMIT OF DISTURBANCE

CONSTRUCTION ACCESS ROUTE

WATER BAR

HAYBALE RING

EXISTING POWER POLE

UTILITIES PROPOSED

DRIVE PROPOSED

STONE WALL EXISTING

STONE WALL EXISTING TO BE REMOVED

PROPOSED STONE WALL

PROPOSED RETAINING WALL

TREE TO REMAIN

TREE TO REMAIN

TREE TO REMAIN

TREE TO BE REMOVED

TREE TO REMAIN

BOULDER DEMARCATION PLACED AT LIMIT OF LAWN

TEMPORARY SEDIMENT TRAP

TREE PROTECTION FENCE

EASEMENT

STOCKPILE AREA

CONSTRUCTION ENTRANCE

RIPRAP PAD

DETAIL LOCATION "4" IS SHEET SP-4

EXISTING STONE AND EARTH BERM CURB

PROPOSED PATIO PERVIOUS, ON POROUS BASE

TREE LEGEND

MAPLE	MAP
SUGAR MAPLE	SMAP
RED MAPLE	RMAP
HICKORY	HIC
SHAGBARK HICKORY	SHIC
POPLAR	POP
OAK	OAK
WHITE OAK	WOAK
ASH	ASH
BIRCH	BIR
ORCHARD TREE	ORT
ELM	ELM
CHOKE CHERRY	CC
BEECH	BEE
CHERRY	CHE
CEDAR	CED

SOIL TYPES

USDA NRCS CLASSIFICATIONS	SOIL NAME
3	RIDGEBURY, LEICESTER, AND WHITMAN SOILS, 0-8% SLOPES, EXTREMELY STONY
18	CATDEN SOIL, 0-2% SLOPE
47	WOODBURGH FINE SANDY LOAM, EXTREMELY STONY
60B	CHARLTON SOIL, 3-8% SLOPE
60C	CHARLTON SOIL, 8-15% SLOPE
61B	CHARLTON SOIL, 3-8% SLOPE, VERY STONY
62C	CHARLTON SOIL, 3-15% SLOPE, EXTREMELY STONY
73C	CHARLTON-CHATFIELD COMPLEX, 3-15% SLOPE, VERY ROCKY

APPROVED SUBDIVISION

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ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH WETLANDS PERMIT APPLICATION #**** AND RESOLUTION #*****, DATED *****.

PARCEL 6

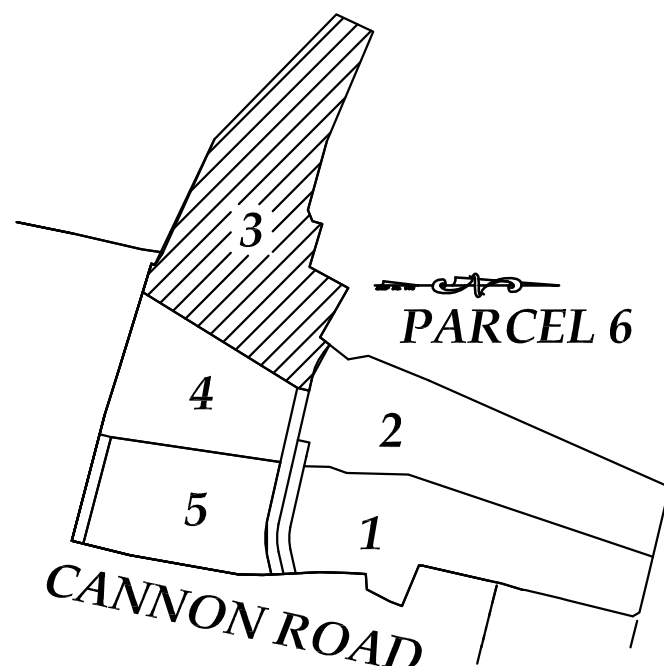
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DRAWING # 190620

DATE: JUNE 24, 2019

REV AUG 10, 2019, HD COMMENT, MOVE TANK

REV: SEPT. 30, 2019, IWWA comments, remove rain gardens, OCT 8, INV OCT 23, 2019 PEER COMMENTS OCT 25, 2019 PEER COMMENTS NOV 5, 2019 lot 1, 2, 3 town limits, lot 1 reserve septic note, lot 2 abs. port.

Thomas S. Quinn, P.E. 17051

THIS PRINT IS INVALID WITHOUT LIVE RED SEAL AND EMBOSSED SEAL

Peak Engineers, LLC

PROVIDING CIVIL ENGINEERING SERVICES

Site, Septic, and Drainage, Feasibility and Design

16 Old Mill Road, Redding, CT 06896

Tel 203-834-0588 Email: TQuinn@PeakEngineersLLC.com

PREPARED FOR

Cannonwoods LLC

36 Springbrook Lane

Wilton, Connecticut 06897

PROJECT LOCATION

Lot 3

4.131 Acres (2.06 Acres Upland)

Cannonwoods LLC Subdivision

Tax Map 21, Lot 13, Wilton, Connecticut 06897

TITLE

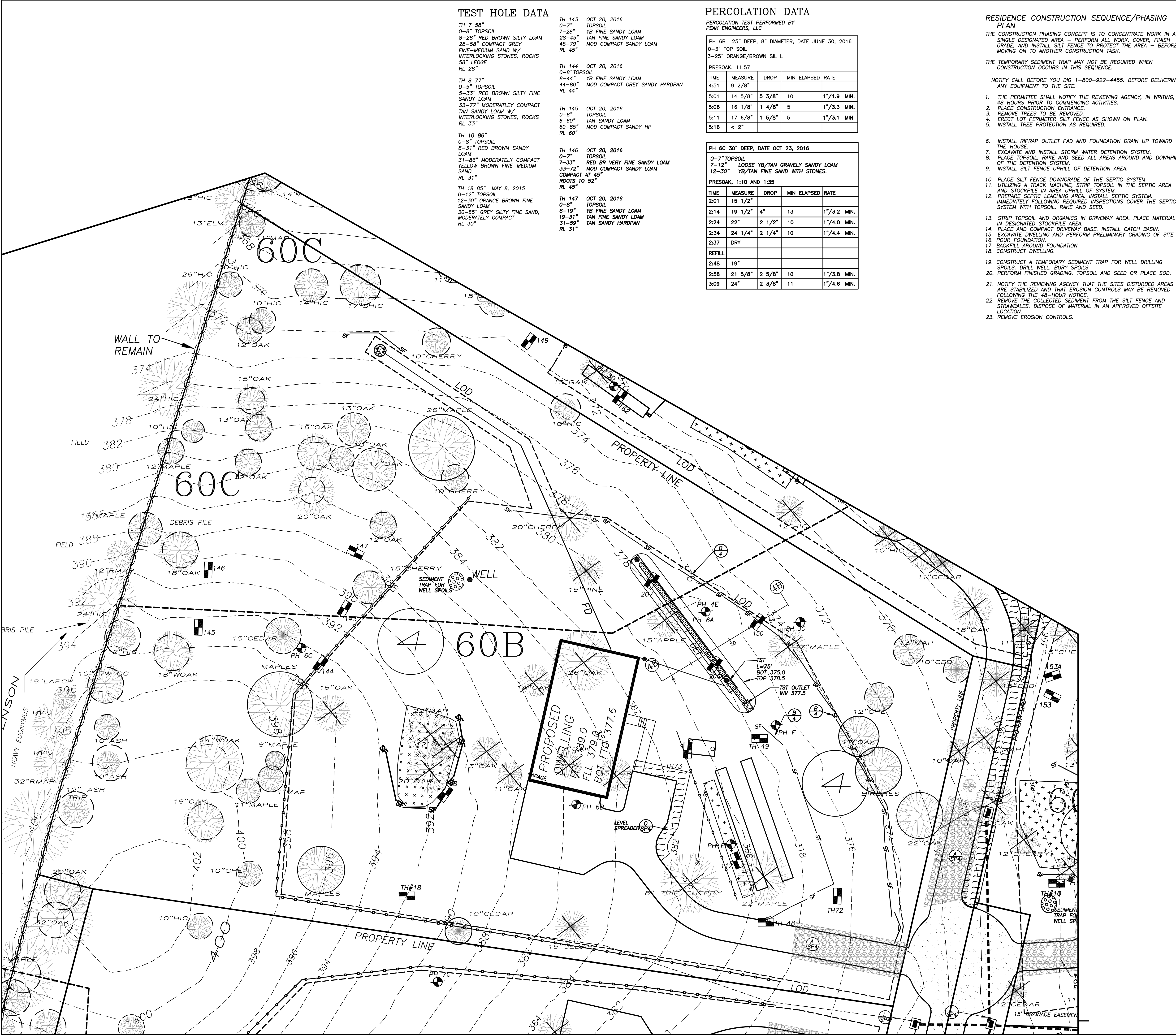
New Construction

Site Development Plan

Tree Protection, Stone Wall Preservation

Erosion Controls

SD-3A



TEST HOLE DATA

TH 7 58" 0-8" TOPSOIL 8-28" RED BROWN SILTY LOAM 28-58" COMPACT GREY FINE-MEDIUM SAND W/ INTERLOCKING STONES, ROCKS 58" LEDGE RL 28"	TH 143 OCT 20, 2016 0-7" 7-28" YB FINE SANDY LOAM 28-45" TAN FINE SANDY LOAM 45-79" MOD COMPACT SANDY LOAM RL 45"	TH 144 OCT 20, 2016 0-8" TOPSOIL 8-44" YB FINE SANDY LOAM 44-80" MOD COMPACT GREY SANDY HARDPAN RL 44"	TH 145 OCT 20, 2016 0-6" 6-60" TAN SANDY LOAM 60-85" MOD COMPACT SANDY HP RL 60"	TH 146 OCT 20, 2016 0-7" 7-33" RED BR VERY FINE SANDY LOAM 33-72" MOD COMPACT SANDY LOAM COMPACT AT 45" ROOTS TO 52" RL 45"	TH 147 OCT 20, 2016 0-8" 8-19" YB FINE SANDY LOAM 19-31" TAN FINE SANDY LOAM 31-59" TAN SANDY HARDPAN RL 31"
TH 8 77" 0-5" TOPSOIL 5-33" RED BROWN SILTY FINE SANDY LOAM 33-77" MODERATELY COMPACT TAN SANDY LOAM W/ INTERLOCKING STONES, ROCKS RL 33"	TH 10 86" 0-8" TOPSOIL 8-31" RED BROWN SANDY LOAM 31-86" MODERATELY COMPACT YELLOW BROWN FINE-MEDIUM SAND RL 31"	TH 18 85" MAY 8, 2015 0-12" TOPSOIL 12-30" ORANGE BROWN FINE SANDY LOAM 30-85" GREY SILTY FINE SAND, MODERATELY COMPACT RL 30"			

PERCOLATION DATA

PERCOLATION TEST PERFORMED BY PEAK ENGINEERS, LLC					
PH 68 25" DEEP, 8" DIAMETER, DATE JUNE 30, 2016					
0-3" TOP SOIL					
3-25" ORANGE/BROWN SIL L					
PRESOAK: 11:57					
TIME	MEASURE	DROP	MIN ELAPSED	RATE	
4:51	9 2/8"	5 3/8"	10	1"/1.9 MIN.	
5:01	14 5/8"	1 4/8"	5	1"/3.3 MIN.	
5:06	16 1/8"	1 4/8"	5	1"/3.3 MIN.	
5:11	17 6/8"	1 5/8"	5	1"/3.1 MIN.	
5:16	< 2"				

PH 6C 30" DEEP, DATE OCT 23, 2016					
0-7" TOPSOIL					
7-12" LOOSE YB/TAN GRAVELLY SANDY LOAM					
12-30" YB/TAN FINE SAND WITH STONES.					
PRESOAK: 1:10 AND 1:35					
TIME	MEASURE	DROP	MIN ELAPSED	RATE	
2:01	15 1/2"	4"	13	1"/3.2 MIN.	
2:14	19 1/2"	4"	13	1"/3.2 MIN.	
2:24	22"	2 1/2"	10	1"/4.0 MIN.	
2:34	24 1/4"	2 1/4"	10	1"/4.4 MIN.	
2:37	DRY				
REFILL					
2:48	19"				
2:58	21 5/8"	2 5/8"	10	1"/3.8 MIN.	
3:09	24"	2 3/8"	11	1"/4.6 MIN.	

RESIDENCE CONSTRUCTION SEQUENCE/PHASING PLAN

- THE CONSTRUCTION PHASING CONCEPT IS TO CONCENTRATE WORK IN A SINGLE DESIGNATED AREA - PERFORM ALL WORK, COVER, FINISH GRADE, AND INSTALL SILT FENCE TO PROTECT THE AREA - BEFORE MOVING ON TO ANOTHER CONSTRUCTION TASK.
- THE TEMPORARY SEDIMENT TRAP MAY NOT BE REQUIRED WHEN CONSTRUCTION OCCURS IN THIS SEQUENCE.
- NOTIFY CALL BEFORE YOU DIG 1-800-922-4455. BEFORE DELIVERING ANY EQUIPMENT TO THE SITE.
1. THE PERMITTEE SHALL NOTIFY THE REVIEWING AGENCY, IN WRITING, 48 HOURS PRIOR TO COMMENCING ACTIVITIES.
 2. PLACE CONSTRUCTION ENTRANCE.
 3. REMOVE TREES TO BE REMOVED.
 4. ERECT LOT PERIMETER SILT FENCE AS SHOWN ON PLAN.
 5. INSTALL TREE PROTECTION AS REQUIRED.
 6. INSTALL RIPRAP OUTLET PAD AND FOUNDATION DRAIN UP TOWARD THE HOUSE.
 7. EXCAVATE AND INSTALL STORM WATER DETENTION SYSTEM.
 8. PLACE TOPSOIL, RAKE AND SEED ALL AREAS AROUND AND DOWNHILL OF THE DETENTION SYSTEM.
 9. INSTALL SILT FENCE UPHILL OF DETENTION AREA.
 10. PLACE SILT FENCE DOWNGRADE OF THE SEPTIC SYSTEM.
 11. UTILIZING A TRACK MACHINE, STRIP TOPSOIL IN THE SEPTIC AREA AND STOCKPILE IN AREA UPHILL OF SYSTEM.
 12. PREPARE SEPTIC LEACHING AREA. INSTALL SEPTIC SYSTEM. IMMEDIATELY FOLLOWING REQUIRED INSPECTIONS COVER THE SEPTIC SYSTEM WITH TOPSOIL, RAKE AND SEED.
 13. STRIP TOPSOIL AND ORGANICS IN DRIVEWAY AREA. PLACE MATERIAL IN DESIGNATED STOCKPILE AREA.
 14. PLACE AND COMPACT DRIVEWAY BASE. INSTALL CATCH BASIN.
 15. EXCAVATE DWELLING AND PERFORM PRELIMINARY GRADING OF SITE.
 16. POUR FOUNDATION.
 17. BACKFILL AROUND FOUNDATION.
 18. CONSTRUCT DWELLING.
 19. CONSTRUCT A TEMPORARY SEDIMENT TRAP FOR WELL DRILLING SPOILS. DRILL WELL. BURY SPOILS.
 20. PERFORM FINISHED GRADING. TOPSOIL AND SEED OR PLACE SOD.
 21. NOTIFY THE REVIEWING AGENCY THAT THE SITES DISTURBED AREAS ARE STABILIZED AND THAT EROSION CONTROLS MAY BE REMOVED FOLLOWING THE 48-HOUR NOTICE.
 22. REMOVE THE COLLECTED SEDIMENT FROM THE SILT FENCE AND STRAWBALES. DISPOSE OF MATERIAL IN AN APPROVED OFFSITE LOCATION.
 23. REMOVE EROSION CONTROLS.

LEGEND

102 EXISTING CONTOUR

PROPOSED CONTOUR

EXISTING SPOT ELEVATION

PROPOSED SPOT ELEVATION

PH A

PERCOLATION HOLE

TH 1

DEEP TEST HOLE

SOIL TYPE BOUNDARIES

WATER

WETLANDS

WETLAND UPLAND REVIEW AREA

GRADE TO DRAIN

FOOTING DRAIN

ROOF DRAIN

O.C.F.

ORANGE CONSTRUCTION FENCE

SF

SILT FENCE

SF

SILT FENCE WITH STAKED STRAWBALE

LOD

LOD

LIMIT OF DISTURBANCE

CONSTRUCTION ACCESS ROUTE

WATER BAR

HAYBALE RING

EXISTING POWER POLE

UTILITIES PROPOSED

DRIVE PROPOSED

STONE WALL EXISTING

STONE WALL EXISTING TO BE REMOVED

PROPOSED STONE WALL

PROPOSED RETAINING WALL

TREE TO REMAIN

TREE PROTECTION

TREE TO REMAIN

NO PLANNED PROTECTION

TREE TO BE REMOVED

TREE TO REMAIN

BOULDER DEMARCATION PLACED AT LIMIT OF LAWN

TEMPORARY SEDIMENT TRAP

TREE PROTECTION FENCE

EASEMENT

STOCKPILE AREA

CONSTRUCTION ENTRANCE

RIPRAP PAD

DETAIL LOCATION "4" IS SHEET SP-4

EXISTING STONE AND EARTH BERM

CURB

TREE LEGEND

MAPLE

SUGAR MAPLE

RED MAPLE

HICKORY

SHAGBARK HICKORY

POPLAR

OAK

WHITE OAK

ASH

BIRCH

ORCHARD TREE

ELM

CHOKE CHERRY

BEECH

CHERRY

CEDAR

MAP

SMAP

RMAP

HIC

SHIC

POP

OAK

WOAK

ASH

BIR

ORC

ELM

CC

BEE

CHE

CED

SOIL TYPES

USDA NRCS CLASSIFICATIONS

SYMBOL

SOIL NAME

3

CLAYTON SOIL, 0-2% SLOPE

18

WOODBRIDGE FINE SANDY LOAM, EXTREMELY STONY

47

CHARLTON SOIL, 3-8% SLOPE

60C

CHARLTON SOIL, 8-15% SLOPE

61B

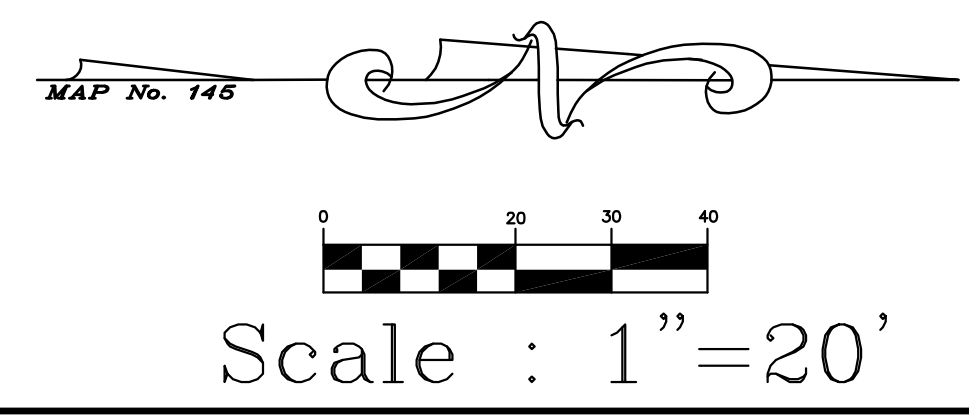
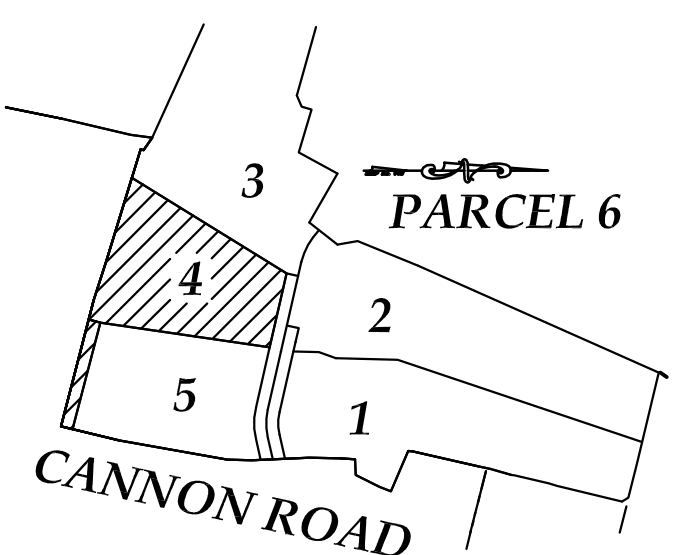
CHARLTON SOIL, 3-8% SLOPE, VERY STONY

62C

CHARLTON SOIL, 3-15% SLOPE, EXTREMELY STONY

22C

CHARLTON-CHATHAM COMPLEX, 3-15% SLOPE, VERY ROCKY



FILE: Cannon Rd Cannonwoods LLC/NOV 5 WETLAND SUB.DWG

DRAWING # 190620

DATE: JUNE 24, 2019

REV AUG 10, 2019, HD COMMENT, MOVE TANK

REV: SEPT. 30, 2019, IWWA comments, remove rain gardens, OCT 8, INV

OCT 23, 2019 PEER COMMENTS

OCT 25, 2019 PEER COMMENTS.

NOV 5, 2019 lot 1,2,3 lawn limits, lot 1 reserve septic note, lot 2 obs. port

Thomas S. Quinn, P.E. 17051

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Tel 203-834-0588 Email: TQuinn@PeakEngineersLLC.com

PREPARED FOR **Cannonwoods LLC**

36 Springbrook Lane

Wilton, Connecticut 06897

PROJECT LOCATION **Lot 4**

2.004 Acres

Cannonwoods LLC Subdivision

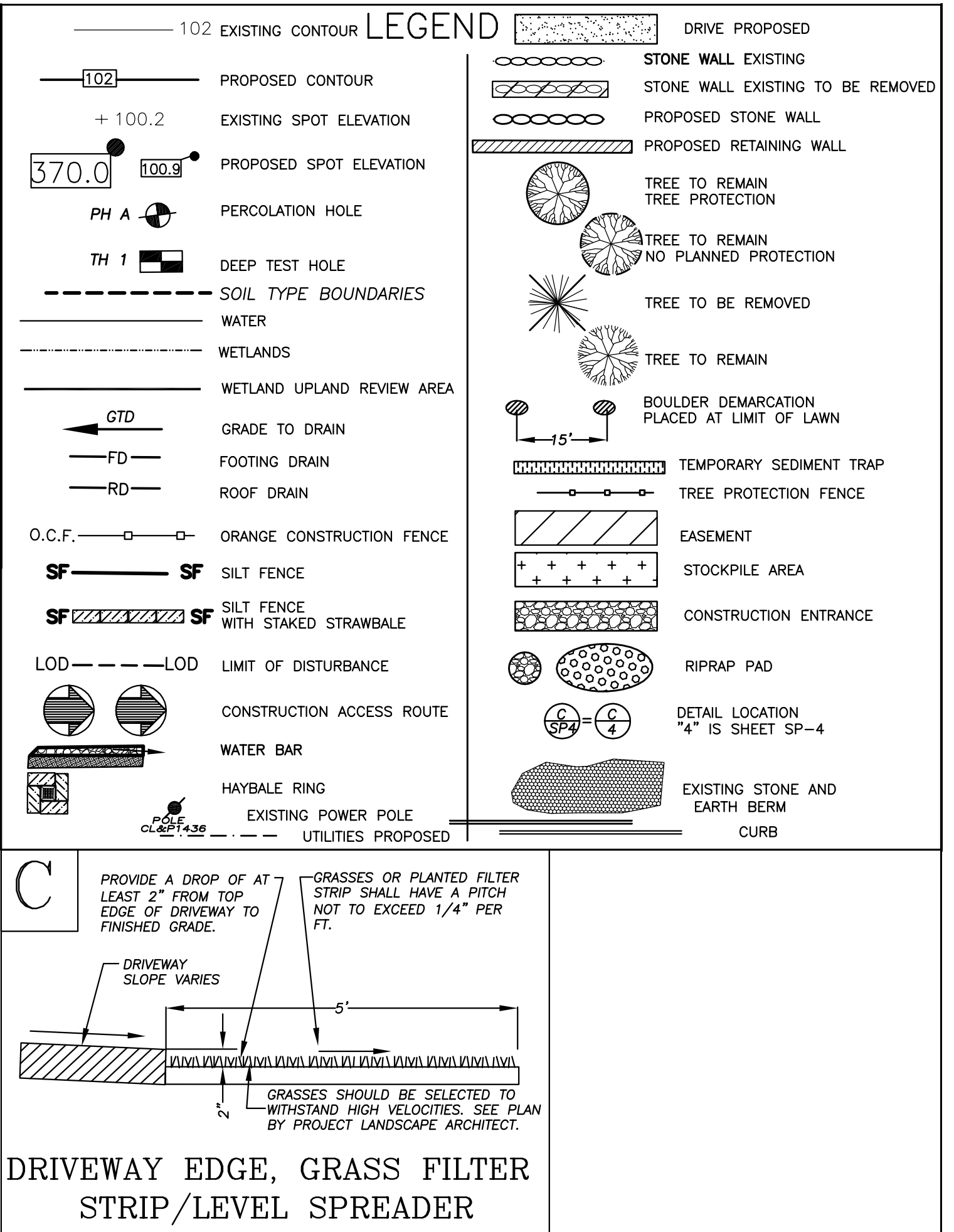
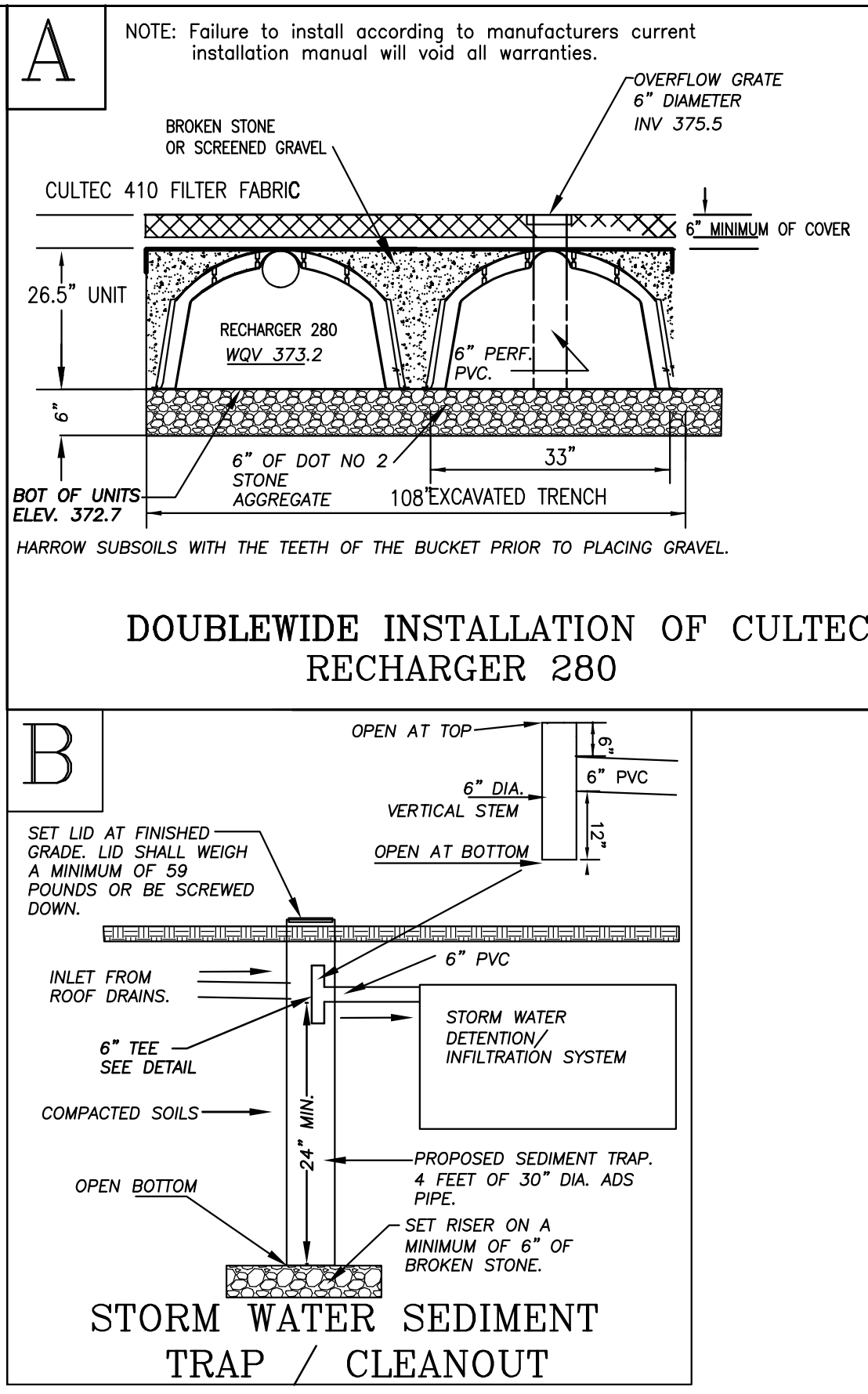
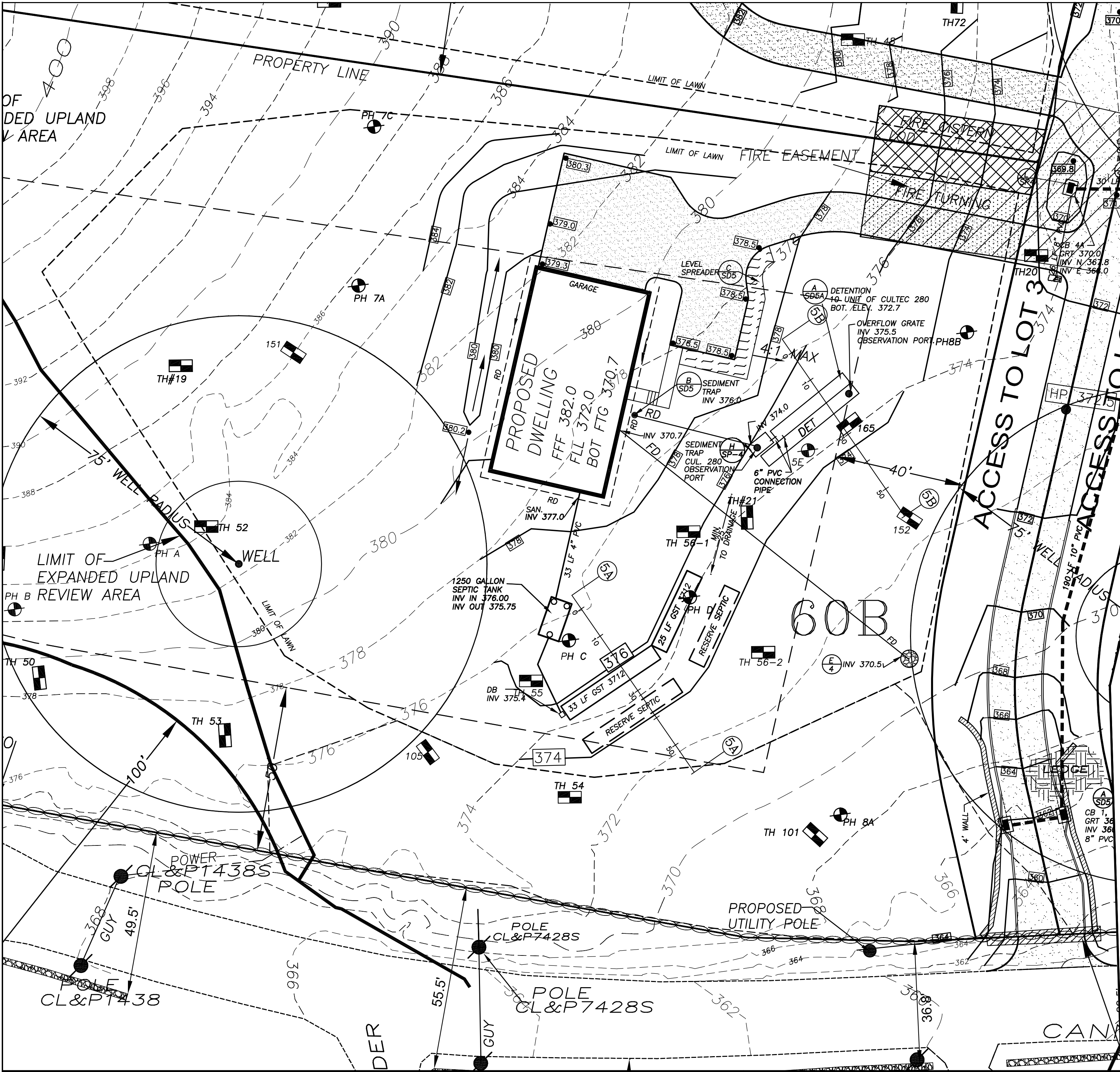
Tax Map 21, Lot 13, Wilton, Connecticut 06897

TITLE **New Construction**

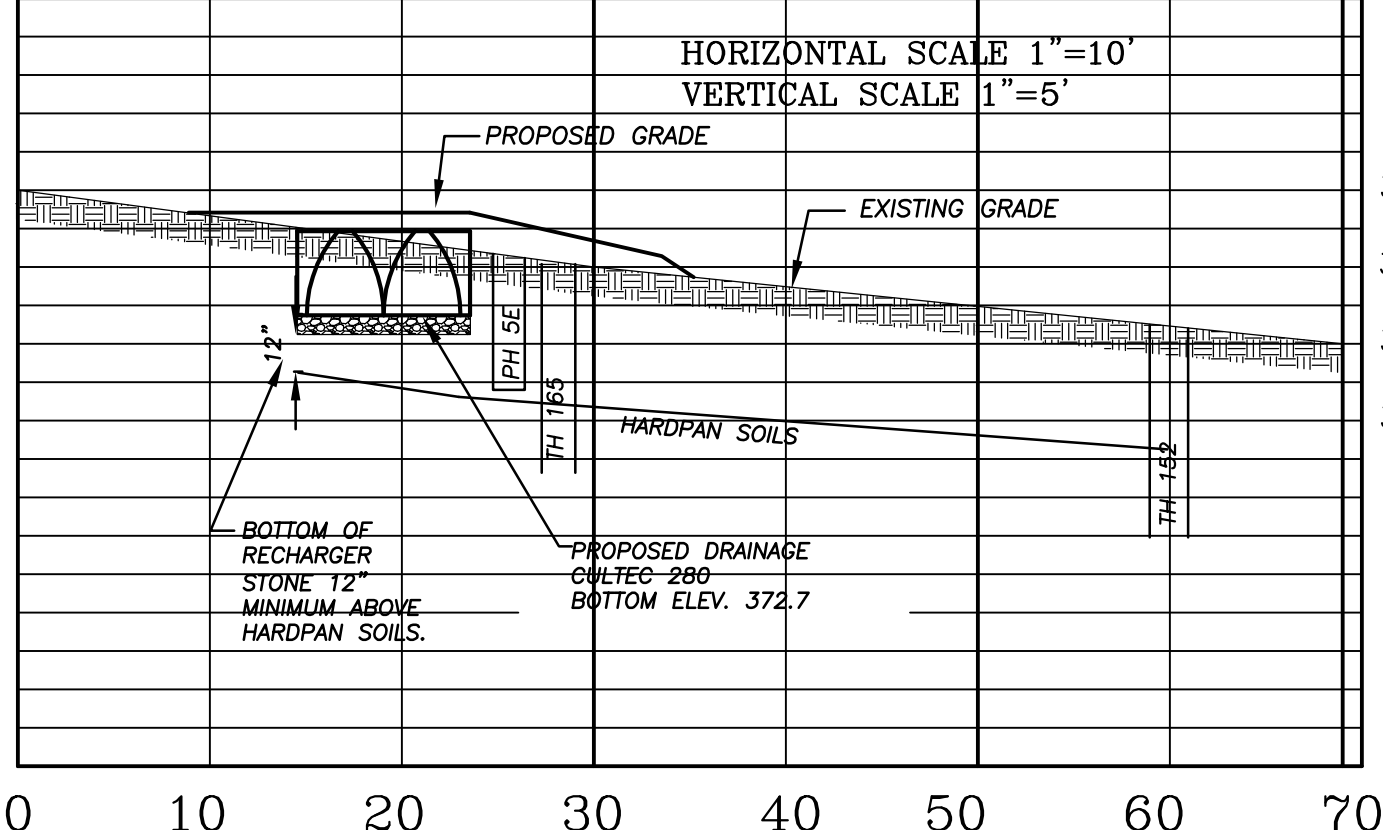
Site Development Plan

Tree Protection, Stone Wall Preservation

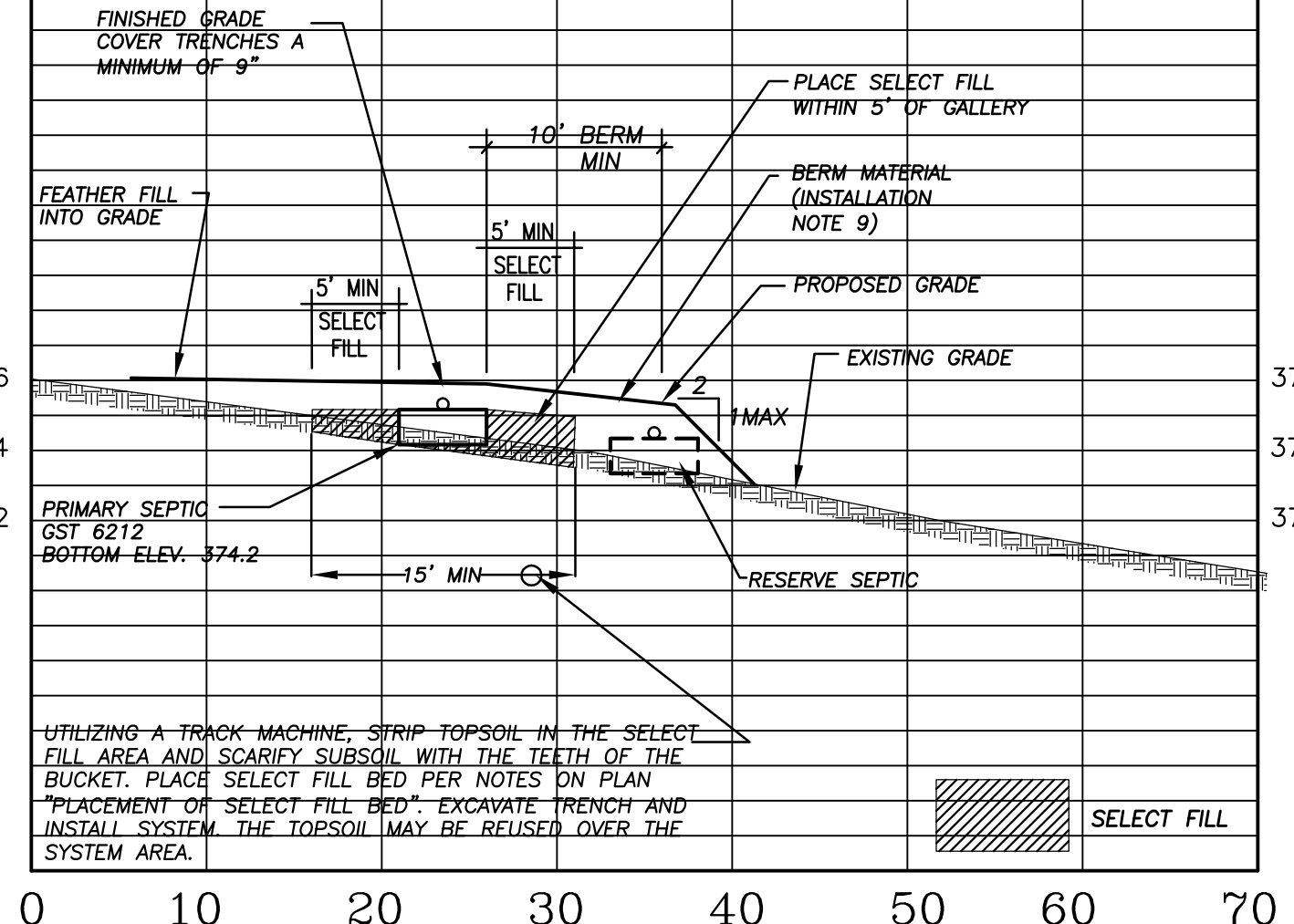
Erosion Controls **SD-4A**



SECTION 5B-5B DRAINAGE SYSTEM

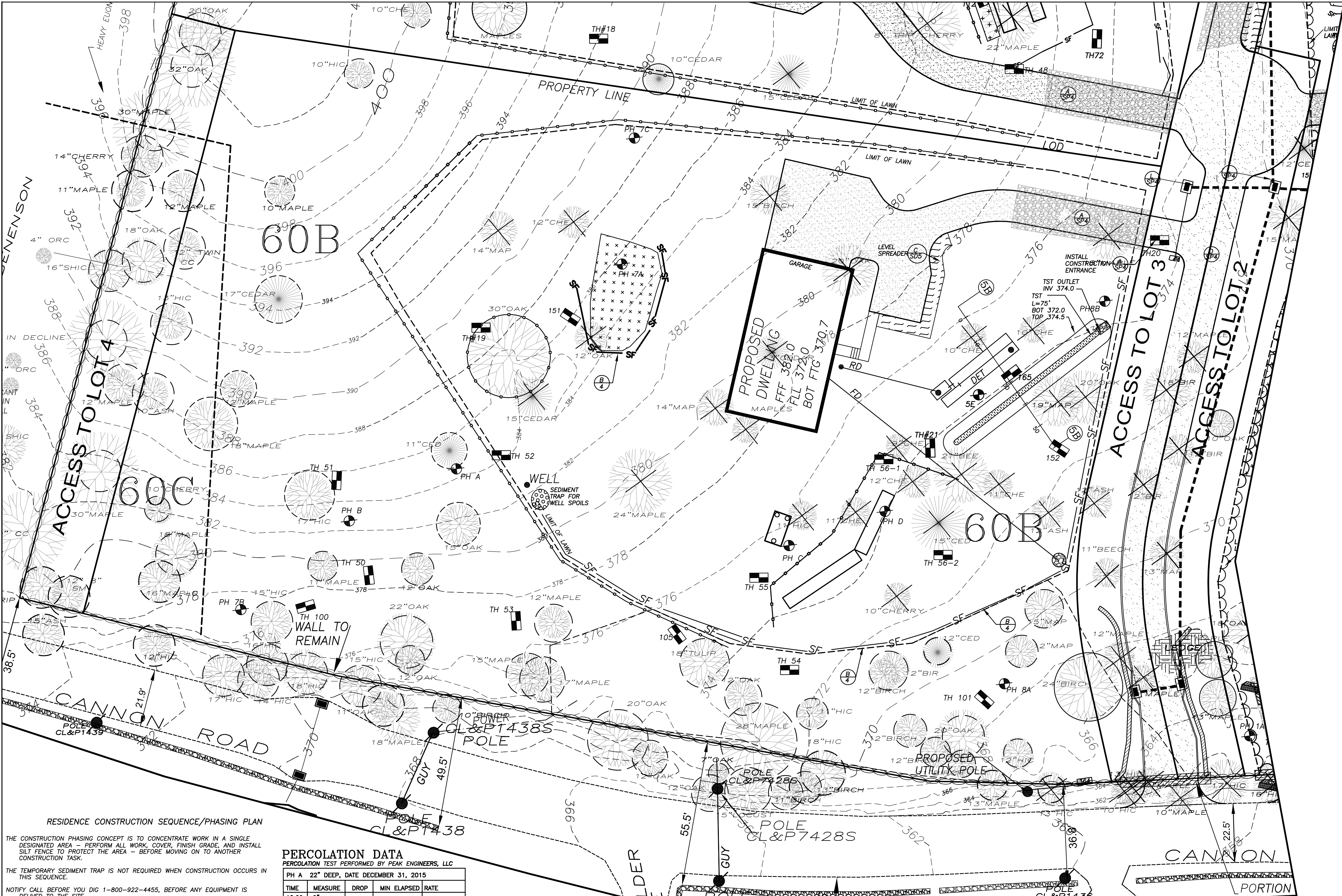


SECTION AT 5A-5A SEPTIC SYSTEM



TEST HOLE DATA

TH 56-2 81" 0-2" TOPSOIL 7-32" RED BROWN SANDY LOAM 32-81" COMPACT 32" HARDPAN RL 32"	TH 101 TOPSOIL 0-3" ROCKY RED BROWN FINE SANDY LOAM WITH THICK ROOTS 3-20" ORANGE BROWN FINE SANDY LOAM 20-32" FIRM YELLOW BROWN FINE SANDY LOAM 32-52" MOD COMPACT GREY SANDY LOAM 52-69" MOD COMPACT GREY SANDY LOAM 69-81" MOD COMPACT GREY SANDY LOAM 81-101" MOD COMPACT GREY SANDY LOAM 101-121" MOD COMPACT GREY SANDY LOAM 121-141" MOD COMPACT GREY SANDY LOAM 141-161" MOD COMPACT GREY SANDY LOAM 161-181" MOD COMPACT GREY SANDY LOAM 181-201" MOD COMPACT GREY SANDY LOAM 201-221" MOD COMPACT GREY SANDY LOAM 221-241" MOD COMPACT GREY SANDY LOAM 241-261" MOD COMPACT GREY SANDY LOAM 261-281" MOD COMPACT GREY SANDY LOAM 281-301" MOD COMPACT GREY SANDY LOAM 301-321" MOD COMPACT GREY SANDY LOAM 321-341" MOD COMPACT GREY SANDY LOAM 341-361" MOD COMPACT GREY SANDY LOAM 361-381" MOD COMPACT GREY SANDY LOAM 381-401" MOD COMPACT GREY SANDY LOAM 401-421" MOD COMPACT GREY SANDY LOAM 421-441" MOD COMPACT GREY SANDY LOAM 441-461" MOD COMPACT GREY SANDY LOAM 461-481" MOD COMPACT GREY SANDY LOAM 481-501" MOD COMPACT GREY SANDY LOAM 501-521" MOD COMPACT GREY SANDY LOAM 521-541" MOD COMPACT GREY SANDY LOAM 541-561" MOD COMPACT GREY SANDY LOAM 561-581" MOD COMPACT GREY SANDY LOAM 581-601" MOD COMPACT GREY SANDY LOAM 601-621" MOD COMPACT GREY SANDY LOAM 621-641" MOD COMPACT GREY SANDY LOAM 641-661" MOD COMPACT GREY SANDY LOAM 661-681" MOD COMPACT GREY SANDY LOAM 681-701" MOD COMPACT GREY SANDY LOAM 701-721" MOD COMPACT GREY SANDY LOAM 721-741" MOD COMPACT GREY SANDY LOAM 741-761" MOD COMPACT GREY SANDY LOAM 761-781" MOD COMPACT GREY SANDY LOAM 781-801" MOD COMPACT GREY SANDY LOAM 801-821" MOD COMPACT GREY SANDY LOAM 821-841" MOD COMPACT GREY SANDY LOAM 841-861" MOD COMPACT GREY SANDY LOAM 861-881" MOD COMPACT GREY SANDY LOAM 881-901" MOD COMPACT GREY SANDY LOAM 901-921" MOD COMPACT GREY SANDY LOAM 921-941" MOD COMPACT GREY SANDY LOAM 941-961" MOD COMPACT GREY SANDY LOAM 961-981" MOD COMPACT GREY SANDY LOAM 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102 EXISTING CONTOUR

PROPOSED CONTOUR

EXISTING SPOT ELEVATION

PROPOSED SPOT ELEVATION

PERCOLATION HOLE

DEEP TEST HOLE

SOIL TYPE BOUNDARIES

WATER

WETLANDS

WETLAND UPLAND REVIEW AREA

GRADE TO DRAIN

FOOTING DRAIN

ROOF DRAIN

ORANGE CONSTRUCTION FENCE

SILT FENCE

SILT FENCE WITH STAKED STRAWBALE

LIMIT OF DISTURBANCE

CONSTRUCTION ACCESS ROUTE

WATER BAR

HAYBALE RING

EXISTING POWER POLE

UTILITIES PROPOSED

DRIVE PROPOSED

STONE WALL EXISTING

STONE WALL EXISTING TO BE REMOVED

PROPOSED STONE WALL

PROPOSED RETAINING WALL

TREE TO REMAIN

TREE PROTECTION

TREE TO REMAIN

TREE TO BE REMOVED

TREE TO REMAIN

BOULDER DEMARCATION PLACED AT LIMIT OF LAWN

TEMPORARY SEDIMENT TRAP

TREE PROTECTION FENCE

EASEMENT

STOCKPILE AREA

CONSTRUCTION ENTRANCE

RIPRAP PAD

DETAIL LOCATION

EXISTING STONE AND EARTH BERM

CURB

MAP

SUGAR MAPLE

RED MAPLE

HICKORY

SHAGBARK HICKORY

POPLAR

OAK

WHITE OAK

ASH

BIRCH

ORCHARD TREE

ELM

CHOKE CHERRY

BEECH

CHERRY

CEDAR

SMAP

SHIC

POP

WOAK

BIR

ORC

ELM

CC

BEE

CHE

CED

USDA NRCS CLASSIFICATIONS

SYMBOL

SOIL NAME

3

18

47

60B

60C

61B

62C

73C

RIDGEBURY, LEICESTER, AND WHITMAN SOILS, 0-8% SLOPES, EXTREMELY STONY

CATON SOIL, 0-2% SLOPE

WOODBRIDGE FINE SANDY LOAM, EXTREMELY STONY

CHARLTON SOIL, 3-8% SLOPE

CHARLTON SOIL, 8-15% SLOPE

CHARLTON SOIL, 3-8% SLOPE, VERY STONY

CHARLTON SOIL, 3-15% SLOPE, EXTREMELY STONY

CHARLTON-CHAFFIELD COMPLEX, 3-15% SLOPE, VERY ROCKY

RESIDENCE CONSTRUCTION SEQUENCE/PHASING PLAN

THE CONSTRUCTION PHASING CONCEPT IS TO CONCENTRATE WORK IN A SINGLE DESIGNATED AREA - PERFORM ALL WORK, COVER, FINISH GRADE, AND INSTALL SILT FENCE TO PROTECT THE AREA - BEFORE MOVING ON TO ANOTHER CONSTRUCTION TASK

THE TEMPORARY SEDIMENT TRAP IS NOT REQUIRED WHEN CONSTRUCTION OCCURS IN THIS SEQUENCE

NOTIFY CALL BEFORE YOU DIG 1-800-922-4455, BEFORE ANY EQUIPMENT IS DELIVERED TO THE SITE.

- THE PERMITTEE SHALL NOTIFY THE REVIEWING AGENCY, IN WRITING, 48 HOURS PRIOR TO COMMENCING ACTIVITIES.
- PLACE CONSTRUCTION ENTRANCE.
- ERECT SILT FENCE ON THE FAR DOWNHILL SIDE OF THE LIMIT OF DISTURBANCE.
- REMOVE TREES TO BE REMOVED.
- INSTALL TREE PROTECTION AS REQUIRED.
- CONSTRUCT A TEMPORARY SEDIMENT TRAP FOR WELL DRILLING SPOILS. DRILL WELL. REMOVE SPOILS.
- UTILIZING A TRACK MACHINE, STRIP TOPSOIL IN THE SEPTIC AREA AND STOCKPILE MATERIAL JUST UPHILL OF THE SEPTIC TRENCH.
- PREPARE SEPTIC LEACHING AREA. INSTALL SEPTIC SYSTEM. IMMEDIATELY FOLLOWING REQUIRED INSPECTIONS COVER THE SEPTIC SYSTEM WITH TOPSOIL, RAKE AND SEED DISTURBED AREAS.
- INSTALL SILT FENCE UPHILL OF SEPTIC AREA.
- INSTALL FOOTING DRAIN OUTLET PAD AND INSTALL PIPE UPHILL TOWARD THE HOUSE SITE.
- EXCAVATE TRENCH AND INSTALL STORM WATER DETENTION SYSTEM. AFTER INSPECTION, BACKFILL THE SYSTEM WITH CLEAN LOAMS. PLACE TOPSOIL, RAKE AND SEED ALL DISTURBED AREAS.
- INSTALL SILT FENCE IMMEDIATELY UPHILL OF THE STORM WATER DETENTION SYSTEM.
- STRIP TOPSOIL AND ORGANICS IN DRIVEWAY AREA. PLACE MATERIAL IN DESIGNATED STOCKPILE AREA.
- PLACE AND COMPACT DRIVEWAY BASE.
- EXCAVATE DWELLING. CONNECT FOOTING DRAIN TO FOUNDATION.
- POUR BUILDING FOUNDATION.
- BACKFILL AROUND FOUNDATION. PERFORM PRELIMINARY GRADING OF SITE.
- CONSTRUCT DWELLING.
- PERFORM FINISHED GRADING. TOPSOIL AND SEED OR PLACE SOD OVER ALL DISTURBED AREAS.
- PAVE DRIVEWAY.
- NOTIFY THE REVIEWING AGENCY THAT THE SITES DISTURBED AREAS ARE STABILIZED AND THAT EROSION CONTROLS MAY BE REMOVED FOLLOWING THE 48-HOUR NOTICE.
- REMOVE THE COLLECTED SEDIMENT FROM THE SILT FENCE AND STRAWBALES. DISPOSE OF MATERIAL IN AN APPROVED OFFSITE LOCATION.
- REMOVE EROSION CONTROLS.

PEAK
CL & P 738

PERCOLATION DATA

PERCOLATION TEST PERFORMED BY PEAK ENGINEERS, LLC

PH A	22" DEEP, DATE DECEMBER 31, 2015			
TIME	MEASURE	DROP	MIN ELAPSED	RATE
12:09	9"			
12:19	11 1/2"	2 1/2"	10	1"/4.0 MIN.
12:29	13 3/4"	2 1/4"	10	1"/4.4 MIN.
12:39	15 3/8"	1 5/8"	10	1"/6.2 MIN.
12:48	16 3/4"	1 3/8"	9	1"/6.5 MIN.
12:58	17 7/8"	1 1/8"	10	1"/8.9 MIN.
1:09	DRY			

PH B	20" DEEP, DATE DECEMBER 31, 2015			
TIME	MEASURE	DROP	MIN ELAPSED	RATE
12:12	8"			
12:22	9 3/8"	1 3/8"	10	1"/7.3 MIN.
12:32	10 5/8"	1 1/4"	10	1"/8.0 MIN.
12:40	11 3/8"	3/4"	8	1"/10.7 MIN.
12:49	12 1/4"	7/8"	9	1"/10.3 MIN.
12:59	13"	3/4"	10	1"/13.3 MIN.
1:10	13 7/8"	7/8"	11	1"/12.6 MIN.

PH 7A 24" DEEP, 8" DIAMETER, DATE JUNE 29, 2016
 0-2" TOPSOIL
 2-12" BROWN SANDY LOAM
 12-24" ORANGE/BROWN VFSL
 Presoak: 1:06

TIME	MEASURE	DROP	MIN ELAPSED	RATE
2:21	8 2/8"			
2:31	13"	4 6/8"	10	1"/2.1 MIN.
2:41	< 2"			

PH 7B 24" DEEP, 10" DIAMETER, DATE JUNE 29, 2016
0-2" TOP SOIL
2-10" BROWN SL
10-24" ORANGE/BROWN VFSL W/ROOTS
Preskok: 1:00

TIME	MEASURE	DROP	MIN ELAPSED	RATE
1:43	8 1/8"			
2:16	15 6/8"	7 5/8"	10	1"/1.3 MIN
2:26	REFILL			
2:36	8 4/8"			
2:46	11 1/8"	2 5/8"	10	1"/3.8 MIN
2:56	12 7/8"	1 6/8"	10	1"/5.7 MIN
3:06	14 5/8"	1 6/8"	10	1"/5.7 MIN
3:16	< 2"			

PH 7C 24" DEEP, 8" DIAMETER, DATE JUNE 29, 2016
0-4" TOP SOIL
4-10" RED/BROWN SL
10-24" ORANGE/BROWN VFSL
Preskok: 1:08

TIME	MEASURE	DROP	MIN ELAPSED	RATE
2:23	8 1/8"			
2:33	11 1/8"	3"	10	1"/3.3 MIN
2:43	13 3/8"	2 2/8"	10	1"/4.4 MIN
2:53	< 2"			

PH 8A 22" DEEP, 12" DIAMETER, DATE JUNE 29, 2016				
0-4" TOP SOIL				
4-9" LIGHT BROWN SL				
9-22" ORANGE/BROWN SILTY VFSL W/ROCKS				
Presoak: 1:34				
TIME	MEASURE	DROP	MIN ELAPSED	RATE
2:23	9 1/2"			
2:34	14"	4 1/2"	11	1"/2.4 MIN.
2:44	16 1/4"	2 1/4"	10	1"/4.4 MIN.
2:49	17 1/4"	1"	5	1"/5.0 MIN.
2:55	18 1/4"	1"	6	1"/6.0 MIN.
3:00	18 3/4"	1/2"	5	1"/10.0 MIN.
3:05	DRY			

TEST HOLE DATA

TH 19 69
0-4" TOPSOIL
4-9" RED BROWN SILTY LOAM
9-22" MODERATELY COMPACT LIGHT BROWN SILTY LOAM WITH SOME BROKEN ROCK
ROOTS TO 29"
RL 34"

TH 20 67"
0-4" TOPSOIL
4-9" RED BROWN SILTY LOAM
9-22" MODERATELY COMPACT LIGHT BROWN SILTY LOAM WITH SOME BROKEN ROCK
ROOTS TO 29"
RL 34"

TH 50 72"
0-3" TOPSOIL
3-18" RED BROWN SILTY LOAM
18-29" YELLOW BROWN SILTY LOAM
29-72" MODERATELY COMPACT LIGHT BROWN SILTY LOAM WITH SOME BROKEN ROCK
ROOTS TO 29"
RL 29"

TH 51 63"
0-6" TOPSOIL
6-22" RED BROWN SANDY LOAM
22-32" YELLOW BROWN SANDY LOAM
32-63" RESTRICTIVE
32" ROOTS
RL 32"

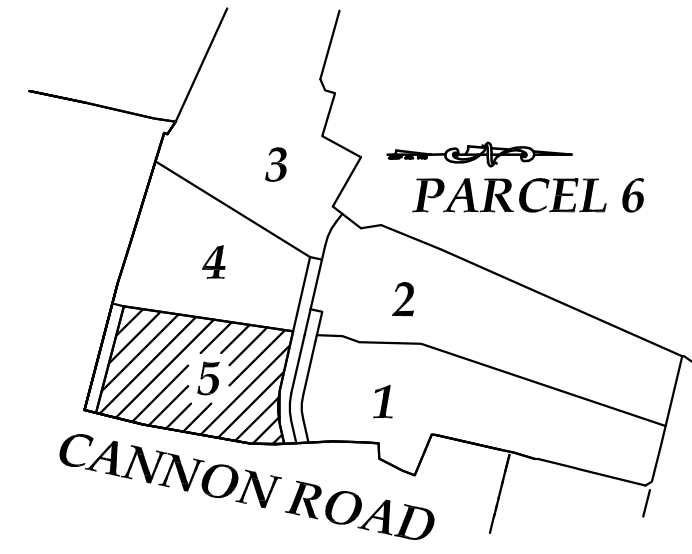
TH 52 78"
0-8" TOPSOIL
8-28" RED BROWN SILTY LOAM WITH ROOTS
28-78" MODERATELY COMPACT SILTY LOAM
48" ROOTS
RL 28"

TH 53 84"
0-4" TOPSOIL
4-16" FIRM BROWN SILTY LOAM
16-39" YELLOW BROWN FINE SANDY LOAM
39-84" MODERATELY COMPACT SILTY LOAM WITH BROKEN ROCK
ROOTS TO 39"
RL 39"

TH 151
OCT 20, 2016 ELEV. 386.0
7-21" TOPSOIL
21-41" RED BR SILTY FINE SANDY LOAM
41-51" TAN FINE SANDY LOAM
51-72" COMPACT SILTY FINE SANDS ELEV. 381.7
RL 51"

DEEP TEST HOLES PERFORMED BY PEAK ENGINEERS, LLC ON JULY 15, 2016. MACHINE USED JOHN DEERE 270 MINI EXCAVATOR.

TH 100 JULY 15, 2016
0-10" TOPSOIL
10-22" RED BROWN FINE SANDY LOAM
22-45" ORANGE BROWN FINE SANDY LOAM
45-86" BONEY YELLOW BROWN FIN SANDY LOAM
ROOTS TO 45"
NO RL TO 86"



Scale : 1"=20'

TOWN SIGNATURE BLOCK

FILE: Cannon Rd Cannanwoods LLC/NOV 5 WETLAND SUB.DWG
DRAWING # 190620
DATE: JUNE 24, 2019
REV AUG 10, 2019, HD COMMENT, MOVE TANK
REV: SEPT. 30, 2019, IHWA comments, remove rain gardens, OCT 8, INV OCT 23, 2019 PEER COMMENTS
NOV 5, 2019 lot 1, 2, 3 lawn limits, lot 1 reserve septic note, lot 2 abs. port.

Thomas S. Quinn, P.E. 17051
THIS PRINT IS INVALID WITHOUT LIVE RED SEAL AND EMBOSSED SEAL.

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Peak Engineers, LLC
PROVIDING CIVIL ENGINEERING SERVICES
Site, Septic, and Drainage, Feasibility and Design
16 Old Mill Road, Redding, CT 06896
Tel 203-834-0588 Email: TQuinn@PeakEngineersLLC.com

PREPARED FOR
Cannanwoods LLC
36 Springbrook Lane
Wilton, Connecticut 06897

PROJECT LOCATION
Lot 5
Cannanwoods LLC Subdivision
Tax Map 21, Lot 13, Wilton, Connecticut 06897

TITLE
New Construction
Site Development Plan
Tree Protection, Stone Wall Preservation
Erosion Controls
SD-5A