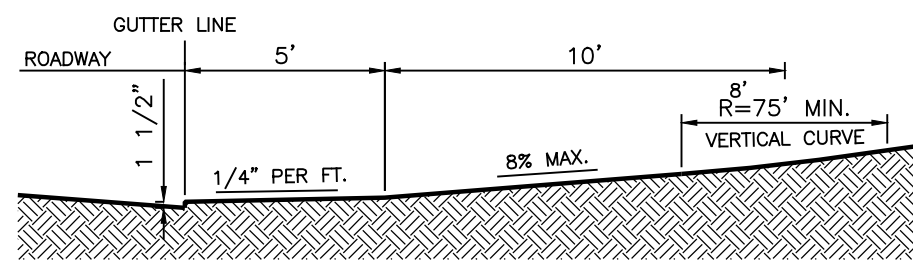


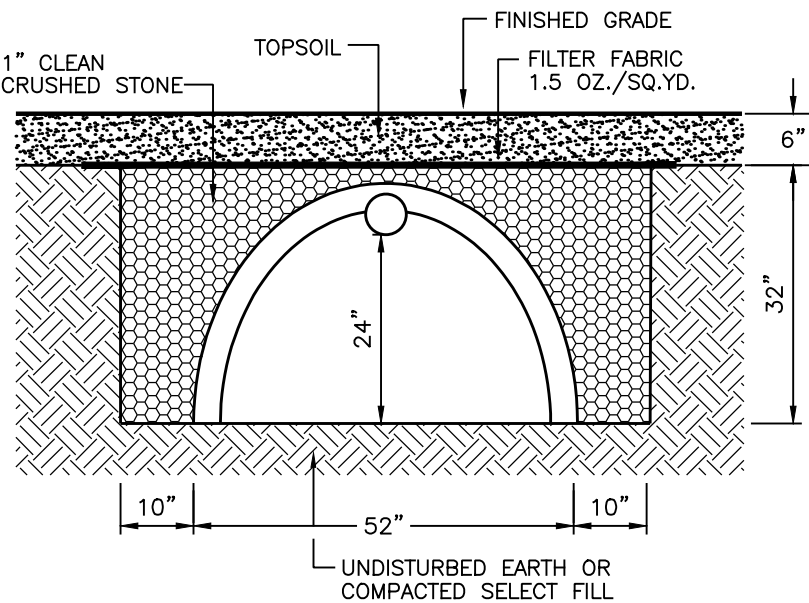
- NOTES**
1. DRIVEWAY SHALL HAVE A MINIMUM PAVED LENGTH OF 10 FEET.
  2. ALL DRIVEWAYS WITH A SLOPE GREATER THAN 10% SHALL BE PAVED.
  3. ALL DRIVEWAYS SHALL BE CONSTRUCTED IN ACCORDANCE CITY OF SHELTON DRIVEWAY REGULATIONS ORDINANCE.



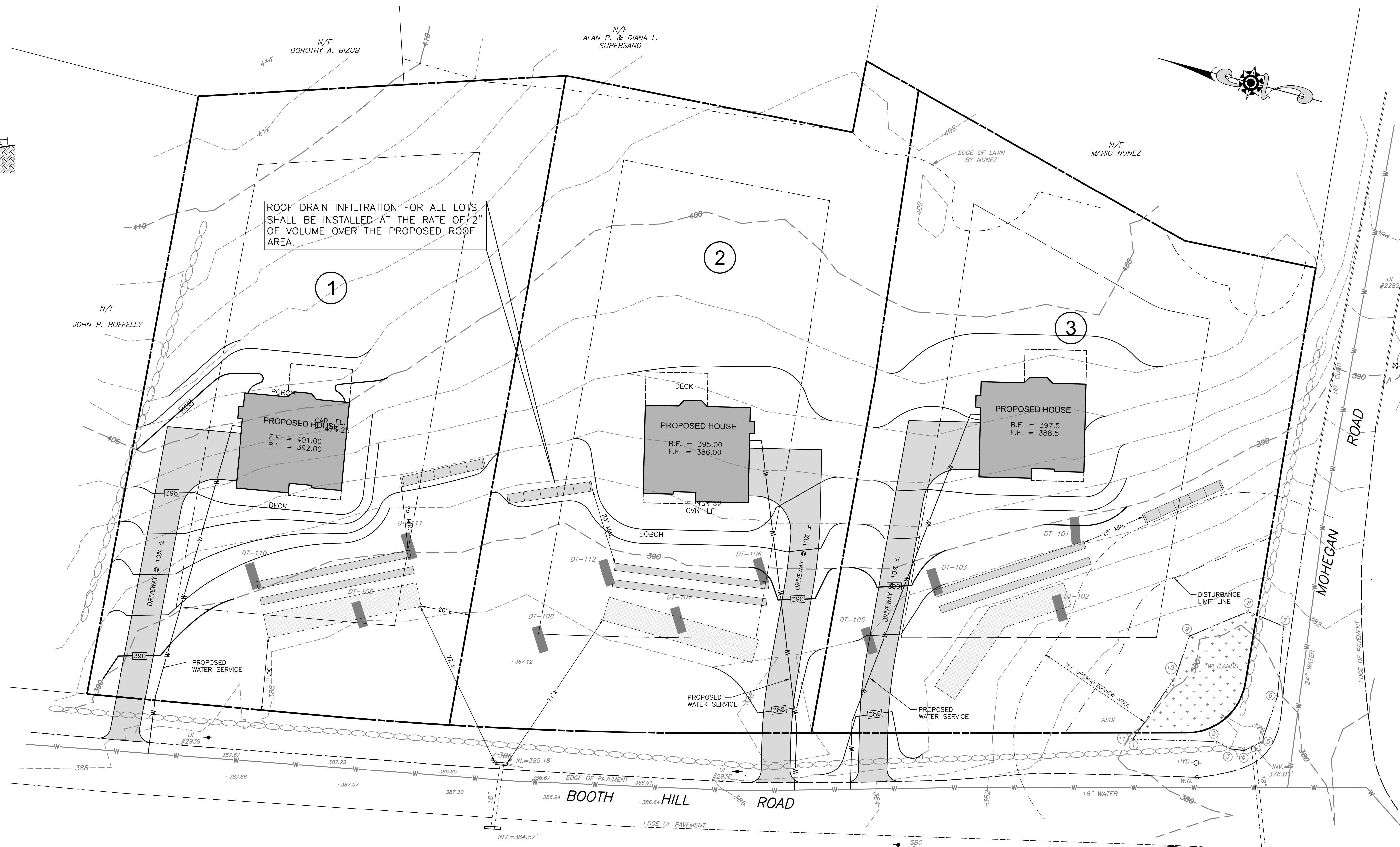
**DRIVEWAY APRON SECTION**  
N.T.S.

ROOF DRAIN INFILTRATION FOR ALL LOTS SHALL BE INSTALLED AT THE RATE OF 2" OF VOLUME OVER THE PROPOSED ROOF AREA.

- NOTES:**
1. THE ROOF DRAIN INFILTRATORS SHALL BE CULTEC RECHARGER 330XLHD @ WWW.CULTEC.COM
  2. ALL ROOF DRAINS SHALL BE CONNECTED TO THE INFILTRATORS. NO ROOF SECTIONS SHALL RUN OFF TO GRADE.



**ROOF DRAIN INFILTRATORS**  
N.T.S.



**LEGEND**

EXISTING	PROPOSED
--- 480 ---	--- 398 ---
x 448.5	x 296.8
--- SPOT ELEVATION	--- SPOT ELEVATION
--- PROPERTY LINE	--- PROPERTY LINE
--- BUILDING SETBACK	--- BUILDING SETBACK
--- WETLANDS	--- WETLANDS
--- SOILS TYPE BOUNDARY	--- SOILS TYPE BOUNDARY
--- WATERCOURSE/POND LIMIT	--- WATERCOURSE/POND LIMIT
--- INTERMITTENT WATERCOURSE	--- INTERMITTENT WATERCOURSE
--- STONE WALL	--- STONE WALL
--- LEDGE	--- LEDGE
--- STRUCTURE	--- STRUCTURE
--- RETAINING WALL	--- RETAINING WALL
--- CURBING	--- CURBING
--- EDGE OF PAVEMENT	--- EDGE OF PAVEMENT
--- STORM SEWER PIPE	--- STORM SEWER PIPE
--- SANITARY SEWER PIPE	--- SANITARY SEWER PIPE
--- UTILITIES	--- UTILITIES
--- UTILITY POLE	--- UTILITY POLE
--- HYDRANT	--- HYDRANT
--- FILTER FABRIC FENCE/HAYBALES	--- FILTER FABRIC FENCE/HAYBALES
--- ANTI-TRACKING APRON	--- ANTI-TRACKING APRON
--- WATERBREAK	--- WATERBREAK
--- PRIMARY SEPTIC AREA	--- PRIMARY SEPTIC AREA
--- RESERVE SEPTIC AREA	--- RESERVE SEPTIC AREA
--- DEEP TEST	--- DEEP TEST
--- PERCOLATION TEST	--- PERCOLATION TEST

**DEEP TESTING:** June 21, 2020

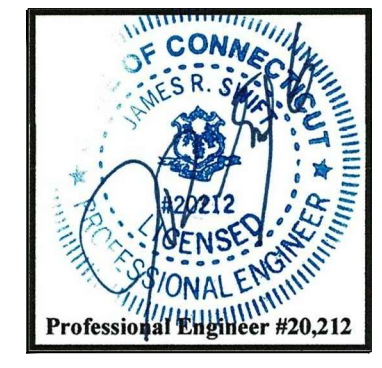
DT-101 0-45" Topsoil 6-40" Orange brown fine sandy loam 40-68" Brown sandy loam, cobbles No Mottling, No Water, No Ledge	DT-106 0-38" Topsoil 8-46" Orange brown fine sandy loam, some silt 46-98" Coarse brown sand, cobbles Mottling @ 46", No Water, No Ledge
DT-102 0-45" Topsoil 8-46" Orange brown fine sandy loam 46-97" Brown sandy loam No Mottling, No Water, No Ledge	DT-107 0-10" Topsoil 10-32" Orange brown fine sandy loam, some silt 32-44" Brown sand dy loam, some silt 44-90" Brown coarse sand, cobbles Mottling @ 44", Water @ 81", No Ledge
DT-103 0-8" Topsoil 8-48" Orange brown fine sandy loam 48-90" Brown sandy loam, some silt Mottling @ 48", Water @ 62", No Ledge	DT-108 0-8" Topsoil 8-36" Orange brown fine sandy loam 36-46" Brown sandy loam, cobbles 46-90" Coarse brown sand, cobbles Mottling @ 46", No Water, No Ledge
DT-104 0-10" Topsoil 10-36" Orange brown fine sandy loam 36-90" Brown fine sandy loam, some silt Mottling @ 36", Water @ 88", No Ledge	DT-109 0-12" Topsoil 12-35" Orange brown fine sandy loam 35-78" Coarse brown sand, some silt, cobbles No Mottling, No Water, No Ledge
DT-105 0-8" Topsoil 8-42" Orange brown fine sandy loam 42-89" Coarse brown sand, cobbles No Mottling, No Water, No Ledge	

**PERCOLATION TESTING:** June 23, 2020

TEST DATE	P-A	P-B	P-C	P-D
05/23/20	10:05 2"	1"	4"	7"
	10:15 5 1/2"	5 1/2"	8"	10"
	10:25 9"	8 1/4"	12"	14"
	10:35 12"	12"	15"	17 1/2"
	10:45 14"	13 1/2"	16 1/2"	19 1/2"
	10:55 15"	14 1/2"	18"	21 1/2"
	11:05 16"	15 1/2"	19 1/2"	dry

**SEPTIC DESIGN DATA:**

LOT	PERCOLATION RATE	REQUIRED ELA	LEACHING SYSTEM
LOT 1 FOUR BEDROOM DWELLING	1" : 8 MIN.	577.5	Cultec Recharger 180
LOT 2 FOUR BEDROOM DWELLING	1" : 8 MIN.	577.5	Cultec Contractor 100
LOT 3 FOUR BEDROOM DWELLING	1" : 8 MIN.	577.5	Cultec Recharger 180



NO.	DATE	DESCRIPTION

**GRADING & UTILITY PLAN**

OF PROPERTY LOCATED ON  
**BOOTH HILL ROAD & MOHEGAN ROAD**  
MOHEGAN ROAD - SHELTON, CONNECTICUT

Prepared For  
**SOUND II HOME BUILDERS LLC**

**James R. Swift**  
Professional Engineer - Landscape Architect  
494 Bridgeport Avenue - Suite 101-335  
Shelton, Connecticut 06484  
Phone (203) 209-3746 jim@jswiftpe.com

SCALE: 1" = 30'  
0 15' 30'  
DATE: July 7, 2020 SHEET 1 OF 2

