

DEEP HOLE TESTS

LOT #1 TEST HOLE #: DT1-1	
DEPTH	SOIL TYPE
0'-4"	TOPSOIL
4"-56"	GRAVELLY CLAY LOAM

MOTTLING OBSERVED AT: N/A
WATER OBSERVED AT: N/A
BEDROCK OBSERVED AT: N/A

LOT #2 TEST HOLE #: DT2-1	
DEPTH	SOIL TYPE
0'-5"	TOPSOIL
5"-32"	GRAVELLY CLAY LOAM
32"-54"	RIPPABLE SHALE

MOTTLING OBSERVED AT: N/A
WATER OBSERVED AT: N/A
BEDROCK OBSERVED AT: 32"

LOT #3 TEST HOLE #: DT3-1	
DEPTH	SOIL TYPE
0'-7"	TOPSOIL
7"-16"	GRAVELLY CLAY LOAM
16"-56"	MOTTLED CLAY

MOTTLING OBSERVED AT: 16"
WATER OBSERVED AT: N/A
BEDROCK OBSERVED AT: N/A

LOT #4 TEST HOLE #: DT4-1	
DEPTH	SOIL TYPE
0"-4"	TOPSOIL
4"-30"	GRAVELLY CLAY LOAM
30"	ROCK

MOTTLING OBSERVED AT: N/A
WATER OBSERVED AT: N/A
BEDROCK OBSERVED AT: 30"

LOT #5 TEST HOLE #: DT5-1	
DEPTH	SOIL TYPE
0"-6"	TOPSOIL

MOTTLING OBSERVED AT: N/A
WATER OBSERVED AT: N/A
BEDROCK OBSERVED AT: N/A

LOT #6 TEST HOLE #: DT6-1	
DEPTH	SOIL TYPE
0"-4"	TOPSOIL

MOTTLING OBSERVED AT: N/A
WATER OBSERVED AT: N/A
BEDROCK OBSERVED AT: N/A

LOT #7 TEST HOLE #: DT7-1	
DEPTH	SOIL TYPE
0"-7"	TOPSOIL

MOTTLING OBSERVED AT: N/A
WATER OBSERVED AT: N/A
BEDROCK OBSERVED AT: N/A

ALL DEEP SOILS TESTS ABOVE PERFORMED AND WITNESSED BY UCDOH ON FEBRUARY 10, 2023

LOT #3 TEST HOLE #: DT3-4	
DEPTH	SOIL TYPE
0"-6"	TOPSOIL

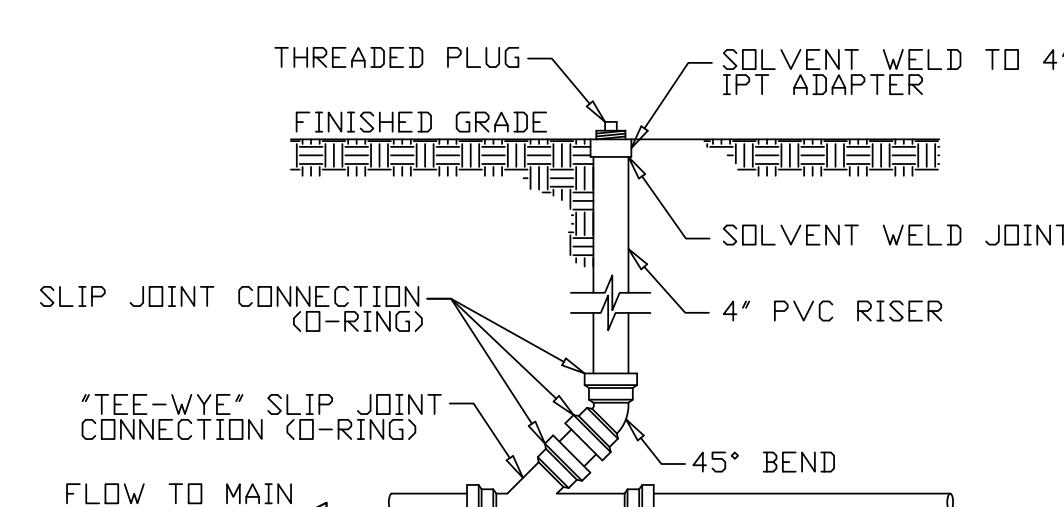
MOTTLING OBSERVED AT: N/A
WATER OBSERVED AT: N/A
BEDROCK OBSERVED AT: N/A

DEEP SOILS TEST # DT3-4 DUG ON MAY 4, 2024 AND WITNESSED BY UCDOH ON MAY 14, 2024.

WASTEWATER TREATMENT DESIGN CRITERIA

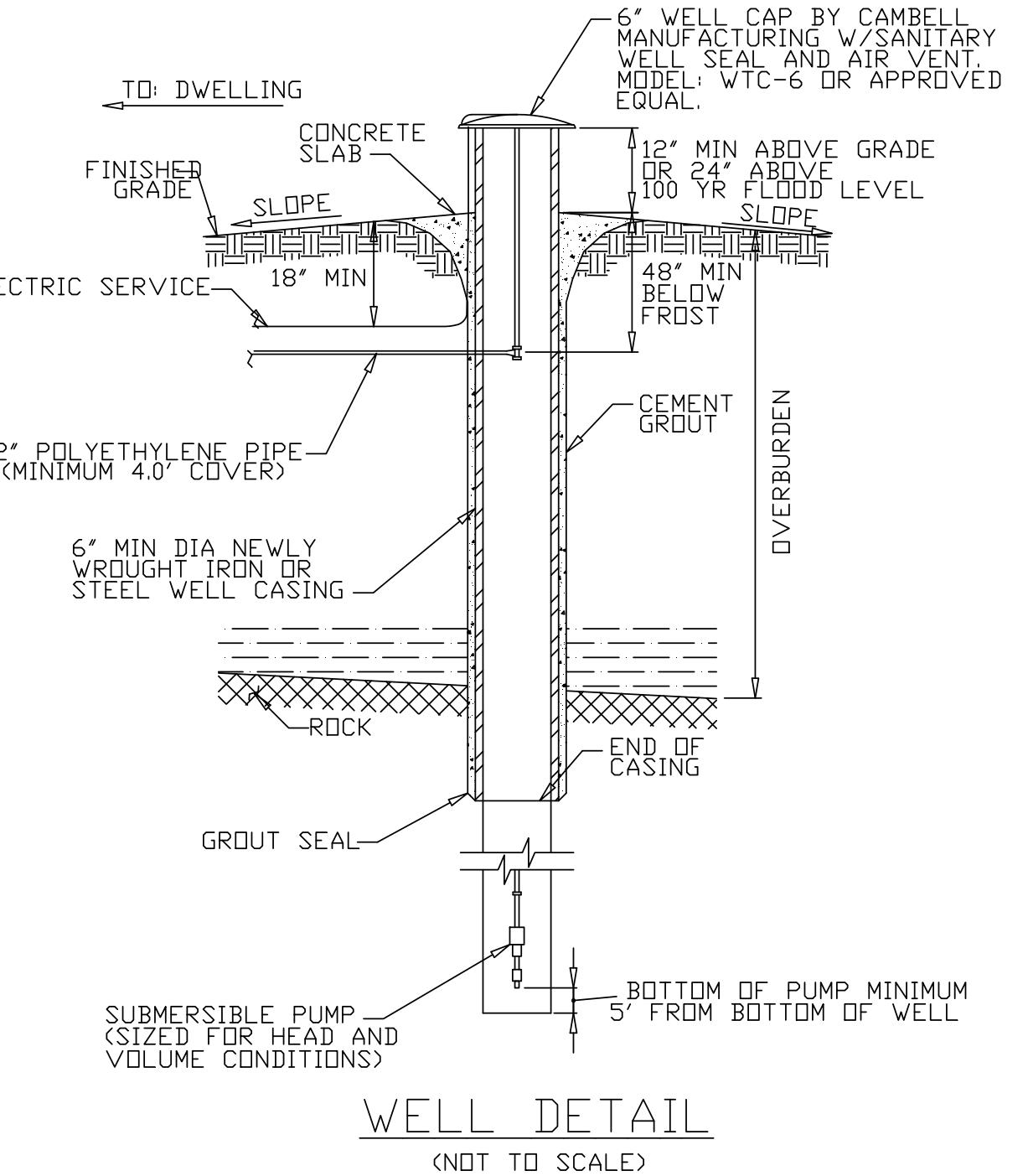
LOCATION	PERC NO.	DEPTH OF PERC HOLE	STABILIZED PERC RATE	DESIGN PERC RATE	SYSTEM TYPE	DEPTH BELOW ORIGINAL GRADE TO TRENCH BOTTOM	DESIGN MINIMUM TRENCH LENGTH FOR 4 BEDROOM HOUSE (MAX) AT 110 GPD PER BEDROOM			
							REQUIRED	PROVIDED		
EXISTING LOT 1 (EXIST. 4BR HOME)	PT1-1	24"	22 MINUTES	21-30 MINUTES	ELJEN GSF*	24"	124 LF*	128 LF		
	PT1-2		27 MINUTES							
PROPOSED LOT 2	PT2-1	8"	8 MINUTES	8-10 MINUTES	SHALLOW ELJEN GSF*	8"	84 LF*	84 LF		
	PT2-2		8 MINUTES							
	PT2-3		7 MINUTES							
PROPOSED LOT 3	PT3-1	12"	14 MINUTES	NOT USED						
	PT3-2		44 MINUTES							
	PT3-3		8 MINUTES	8-10 MINUTES (PRIMARY)	SHALLOW ELJEN GSF*	12"	84 LF*	96 LF		
	PT3-4**		10 MINUTES							
	PT3-5***		25 MINUTES	21-30 MINUTES (RESERVE)	ELJEN GSF*	10"	124 LF*	132 LF		
PROPOSED LOT 4	PT4-1	6"	3 MINUTES	11-15 MINUTES	SHALLOW ELJEN GSF*	6"	92 LF*	100 LF		
	PT4-2		13 MINUTES							
	PT4-3		4 MINUTES							
PROPOSED LOT 5	PT5-1	24"	15 MINUTES	11-15 MINUTES	ELJEN GSF*	24"	92 LF*	96 LF		
	PT5-4		8 MINUTES							
	PT5-2		>60 MINUTES	NOT USED						
	PT5-3		>60 MINUTES							
PROPOSED LOT 6	PT6-1	24"	40 MINUTES	31-45 MINUTES	ELJEN GSF*	24"	148 LF*	160 LF		
	PT6-3	20"	8 MINUTES							
	PT6-2	24"	>60 MINUTES	NOT USED						
	PT6-4**	22"	33 MINUTES	31-45 MINUTES	ELJEN GSF*	24"	148 LF*	160 LF		
PROPOSED LOT 7	PT7-1	12"	24 MINUTES	21-30 MINUTES	SHALLOW ELJEN GSF*	12"	124 LF*	132 LF		
	PT7-2		13 MINUTES							
	PT7-3		13 MINUTES							

PROPOSED LOTS 2,3,4 & 5 PERC TESTS PERFORMED ON FEBRUARY 19, 2023.
PROPOSED LOTS 5, 6, 7 & 1 RESERVE PERC TESTS PERFORMED ON FEBRUARY 26, 2023.
*QUALIFIES FOR 25% TRENCH LENGTH REDUCTION PER APPENDIX 75-A.
**PERC TESTS PT3-4 & PT6-4 PERFORMED ON FEBRUARY 11, 2024.
***PERC TEST PT3-5 PERFORMED ON MAY 4, 2024.



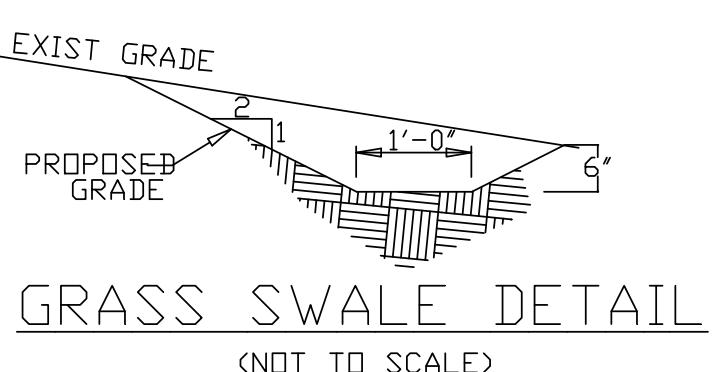
STANDARD CLEANOUT
CONNECTION DETAIL
(NOT TO SCALE)

ENGINEER
C.M. TERRIZZI ENGINEERING, PLLC
11 TERRIZZI DR.
WALLKILL, NY. 12589
(845) 239-2020
SEPTIC DESIGN CRITERIA & STANDARD DETAILS
SUBDIVISION FOR:
MITCHELL M&CO. INC.
S.B.L.: 103.3-4-44 / 1559 RT 9W / 11.7 ACRES
TOWN OF MARLBOROUGH, ULSTER COUNTY, NY
DATE 7/31/2024
SCALE N.T.S.
SHEET NUMBER 5 OF 6



NOTES:

1. WELL SHALL BE CONSTRUCTED PER NYSDOH APPENDIX 5-B, "STANDARDS FOR WATER WELLS, LATEST EDITION."
2. DRILL HOLE SHALL BE THE DIAMETER OF THE CASE PLUS 4", WITH 20' MINIMUM OF GROUT AND CASING INTO ROCK. GROUT MIXTURE SHALL BE 5.5 GALS OF WATER TO 1 BAG OF NEAT CEMENT.
3. DRIVE CASING AT LEAST 10' IN ROCK.
4. WELL YIELD MUST BE AT LEAST 5 GPM
5. WELLS ARE TO BE INSTALLED IN THE LOCATIONS SHOWN ON THE APPROVED PLAN. MINIMUM
6. SEPARATIONS FROM WELLS MUST BE STRICTLY ADHERED TO.
7. WELL CASING SHALL BE IN COMPLIANCE WITH "10 STATE STANDARDS" AND AWWA STANDARD A-100, LATEST EDITION. A MINIMUM OF 40' OF WELL CASING SHALL BE USED. WELL CAP SHALL BE A MINIMUM OF 24" ABOVE THE 100 YR FLOOD ELEVATION.



TUF-TITE SPEED LEVELER DETAIL
(NOT TO SCALE)

• INSERT LEVELER IN THE END OF ALL OUTLET PIPES IN THE D-BOX.
• ROTATE UNTIL EFFLUENT ENTERS ALL OUTLETS EQUALLY.
• FITS ALL 4" SMOOTH WALL AND CORRUGATED PIPES.

REVISION 1: 5/15/2024 PER UCDOH COMMENTS