

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
6'-64"	GRAVELLY SILT LOAM

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
4'-50"	GRAVELLY CLAY LOAM

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
7'-64"	GRAVELLY CLAY LOAM

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

LOT #2 TEST HOLE #: DT2-2	
DEPTH	SOIL TYPE
0'-5"	TOPSOIL
5'-23"	CLAY LOAM
23'-55"	GRAVELLY CLAY LOAM

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

LOT #3 TEST HOLE #: DT3-2	
DEPTH	SOIL TYPE
0'-4"	TOPSOIL
4'-13"	GRAVELLY CLAY LOAM
13'	BEDROCK

MOTTLING OBSERVED AT: N/A
WATER OBSERVED AT: N/A
BEDROCK OBSERVED AT: 13'

LOT #4 TEST HOLE #: DT4-2	
DEPTH	SOIL TYPE
0'-5"	TOPSOIL
5'-20"	GRAVELLY LOAM
20'-40"	CLAY LOAM

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

LOT #5 TEST HOLE #: DT5-2	
DEPTH	SOIL TYPE
0'-4"	TOPSOIL
4'-54"	GRAVELLY CLAY LOAM

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

LOT #6 TEST HOLE #: DT6-2	
DEPTH	SOIL TYPE
0'-4"	TOPSOIL
4'-50"	GRAVELLY CLAY LOAM

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

LOT #7 TEST HOLE #: DT7-2	
DEPTH	SOIL TYPE
0'-8"	TOPSOIL
8'-38"	GRAVELLY CLAY LOAM

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
6'-34"	SILTY CLAY LOAM, SOME GRAVEL

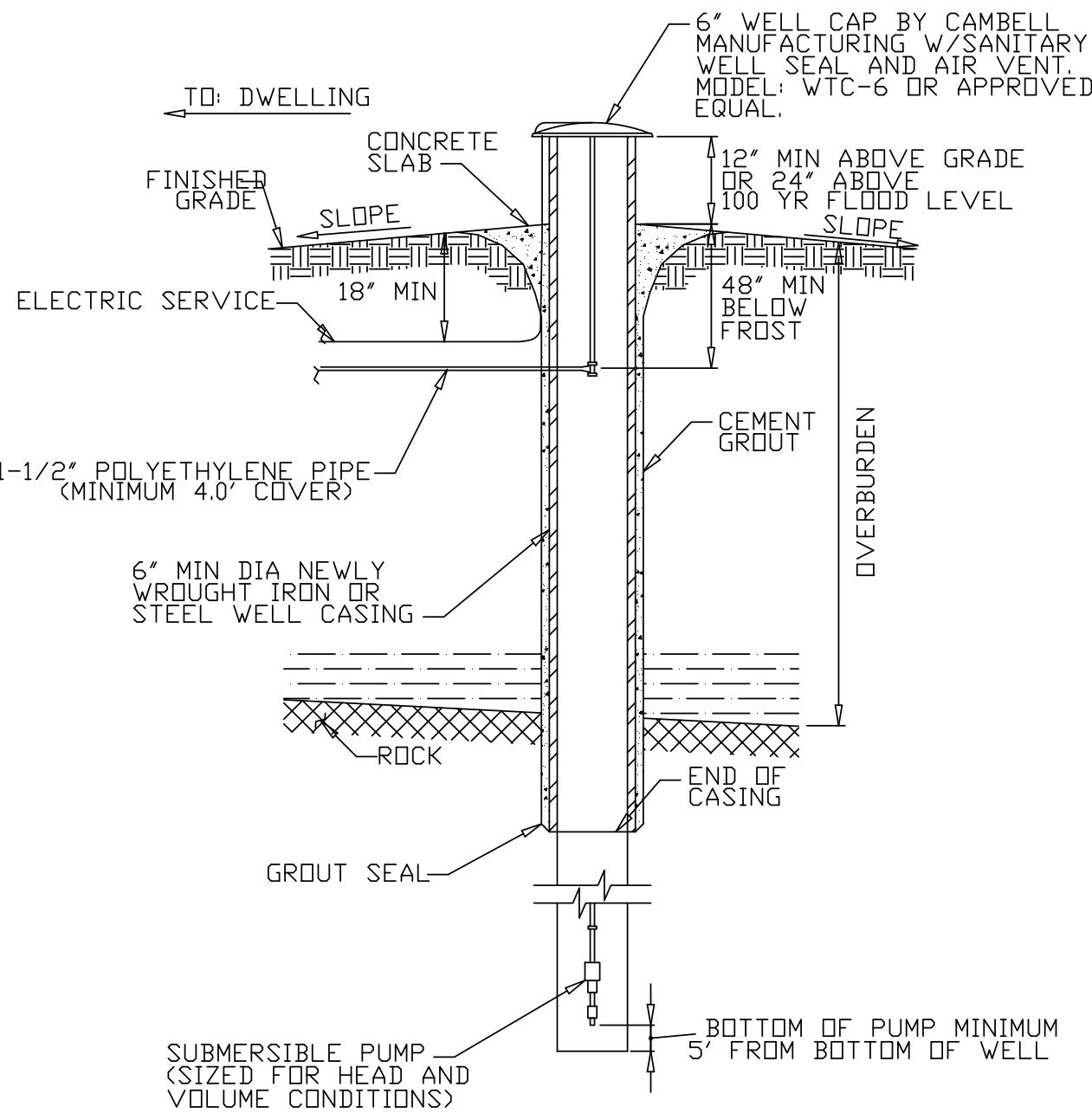
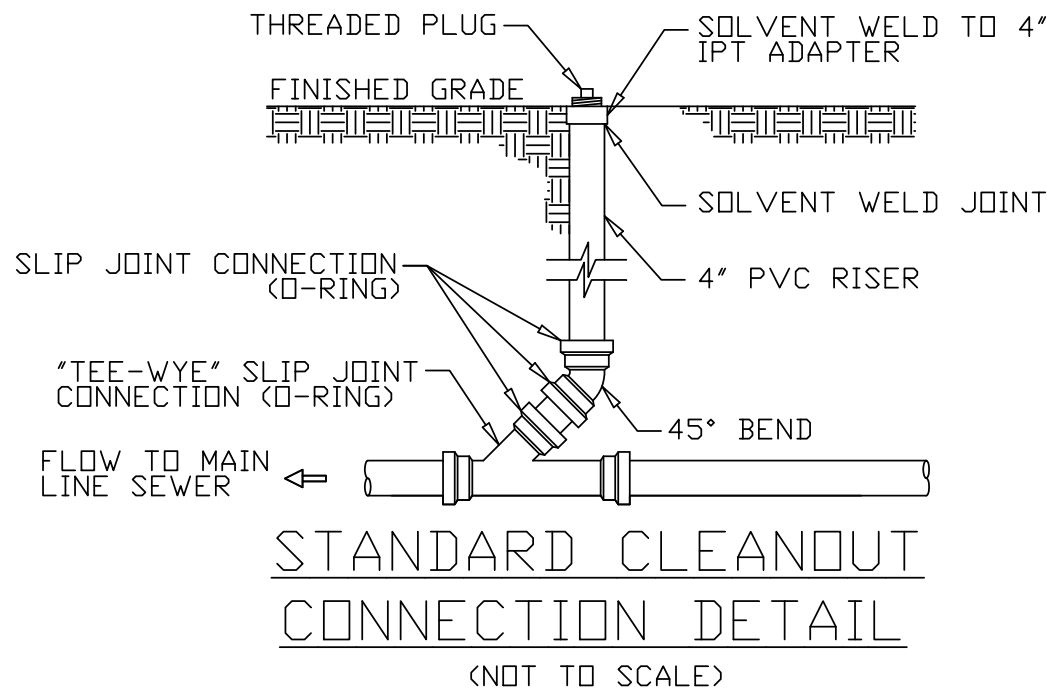
MOTTLING OBSERVED AT: N/A
WATER OBSERVED AT: N/A
BEDROCK OBSERVED AT: N/A

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

WASTEWATER TREATMENT DESIGN CRITERIA

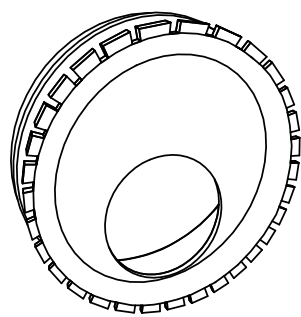
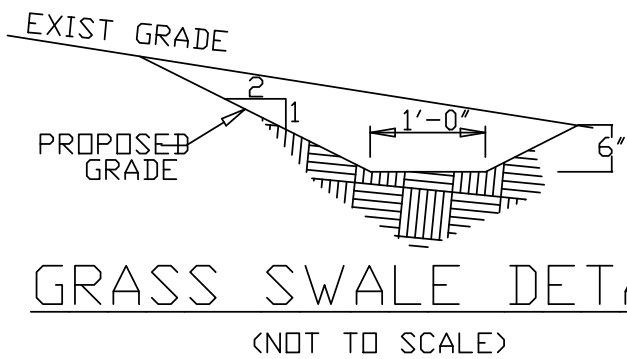
LOCATION	PERC NO.	DEPTH OF PERC HOLE	STABILIZED PERC RATE	DESIGN PERC RATE	SYSTEM TYPE	DEPTH BELOW ORIGINAL GRADE TO TRENCH BOTTOM	DESIGN MINIMUM TRENCH LENGTH FOR 4 BEDROOM HOUSE (MAX) AT 110 GPD PER BEDROOM					
							REQUIRED	PROVIDED				
EXISTING LOT 1 RESERVE (EXIST. 4BR HOME)	PT1-1	24'	22 MINUTES	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***	10'	25 MINUTES	21-30 MINUTES (RESERVE)		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*
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.



NOTES:

- WELL SHALL BE CONSTRUCTED PER NYSDOH APPENDIX 5-B, "STANDARDS FOR WATER WELLS, LATEST EDITION."
- 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
- DRIVE CASING AT LEAST 10' IN ROCK.
- WELL YIELD MUST BE AT LEAST 5 GPM
- WELLS ARE TO BE INSTALLED IN THE LOCATIONS SHOWN ON THE APPROVED PLAN. MINIMUM
- SEPARATIONS FROM WELLS MUST BE STRICTLY ADHERED TO.
- 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

ENGINEER	C.M. TERRIZZI ENGINEERING, PLLC		
	11 TERRIZZI DR. WALLKILL, N.Y. 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	SCALE	SHEET NUMBER	
7/31/2024	N.T.S.	5 OF 6	