

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"-20"	GRAVELLY CLAY LOAM
20"-40"	CLAY LOAM

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

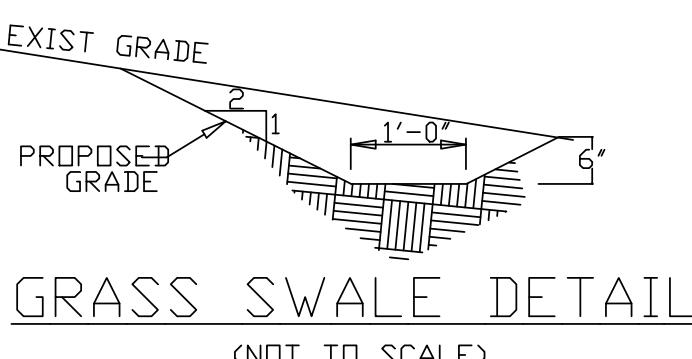
LOT #7 TEST HOLE #: DT7-1	
DEPTH	SOIL TYPE
0"-7"	TOPSOIL
7"-64"	GRAVELLY CLAY LOAM

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

LOT #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 PERFORMED AND WITNESSED BY UCDOH ON FEBRUARY 10, 2023



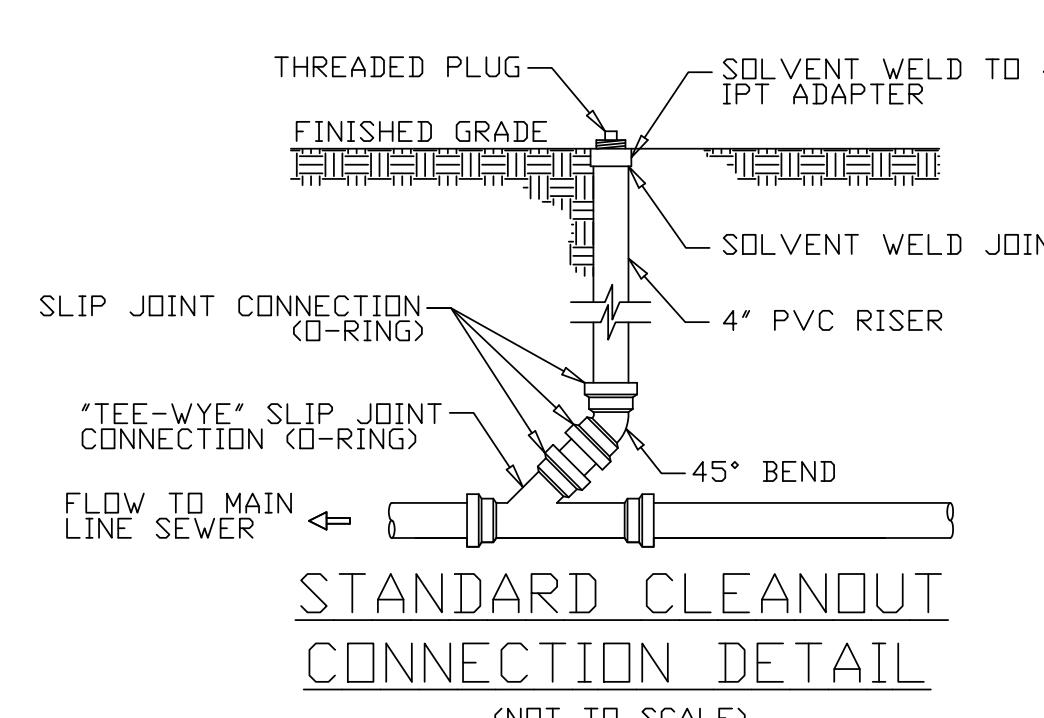
TUF-TITE SPEED LEVELER DETAIL
(NOT TO SCALE)

• 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.

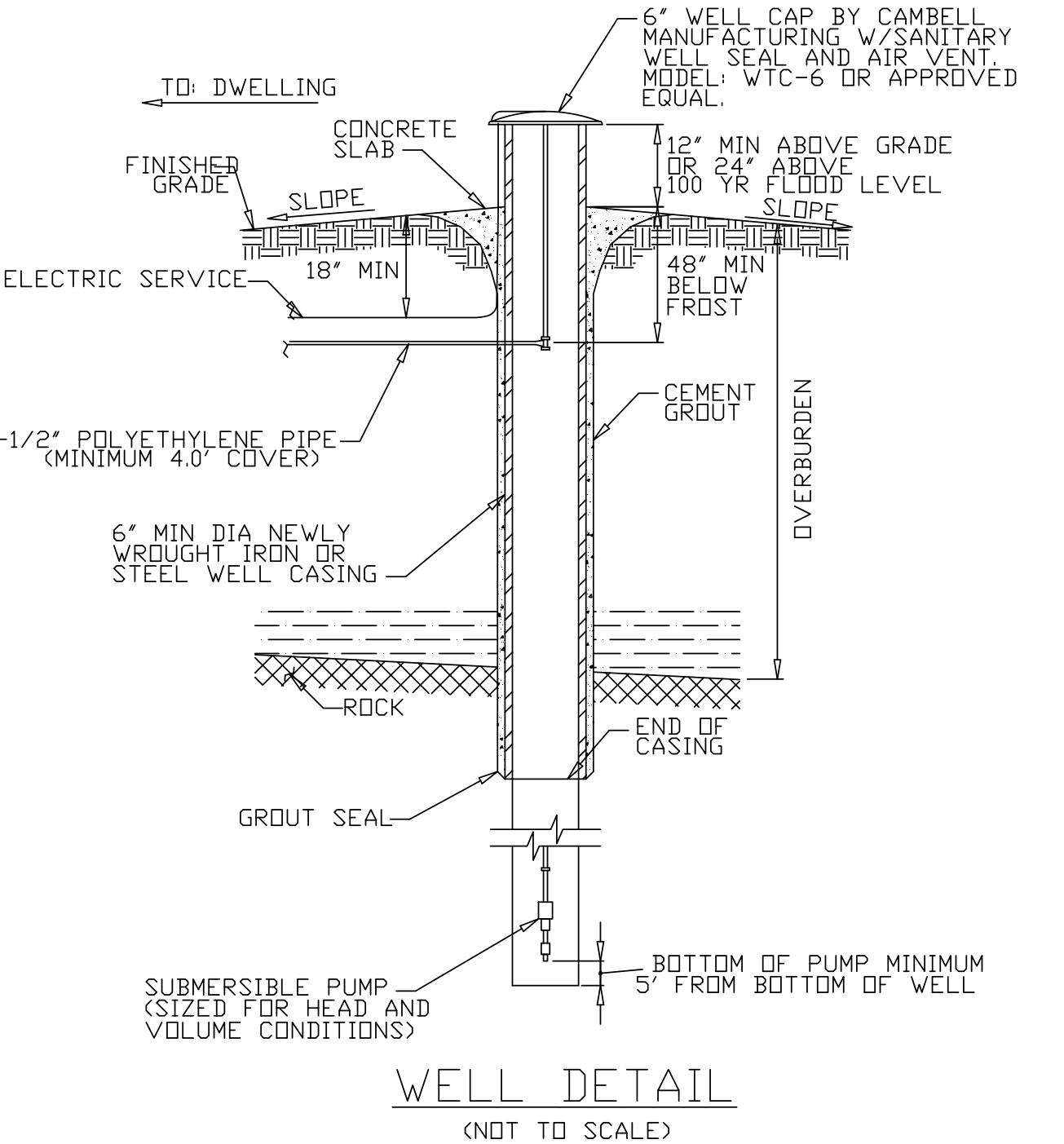
WASTEWATER TREATMENT DESIGN CRITERIA

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	21-30 MINUTES	SHALLOW ELJEN GSF*	12"	124 LF*	140 LF
	PT3-2		44 MINUTES					
	PT3-3		8 MINUTES					
PROPOSED LOT 4	PT4-1	6"	3 MINUTES	11-15 MINUTES	SHALLOW ELJEN GSF*	6"	92 LF*	96 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
	PT5-2		>60 MINUTES					
	PT5-3		>60 MINUTES					
	PT5-4		8 MINUTES					
PROPOSED LOT 6	PT6-1	24"	40 MINUTES	21-30 MINUTES	ELJEN GSF*	24"	124 LF*	128 LF
	PT6-2		>60 MINUTES					
	PT6-3	20"	8 MINUTES					
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.



STANDARD CLEANOUT
CONNECTION DETAIL
(NOT TO SCALE)



WELL DETAIL
(NOT TO SCALE)

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 SEPARATIONS FROM WELLS MUST BE STRICTLY ADHERED TO.
6. 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.

ENGINEER

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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 4/29/2023 SCALE N.T.S. SHEET NUMBER 5 OF 6