

AUTOMATIC FLUSHING UNIT,  
HYDROGUARD MODEL #HG3/5, UNIT  
SHALL HAVE A 5' BURY DEPTH,  
SAMPLING STATION AND ALL  
ELECTRONICS ABOVE GROUND

SIDES OF DRY WELL  
TO BE LINED WITH  
8-MIL POLYETHYLENE

4' X 7' DRY WELL  
WITH #3 STONE OR  
EQUIVALENT LOCAL  
STONE MIX

SEAL AROUND  
COPPER PIPE WITH  
POLYETHYLENE TAPE

2'x2'x1' COMPACTED  
PENNDOT #2A  
COARSE AGGREGATE

TAP SHALL BE  
SUPPORTED TO EDGE OF  
TRENCH WITH  
COMPACTED PENNDOT  
#2A COARSE AGGREGATE

ANSI/AWWA  
C151/A21.51 CLASS 52  
DUCTILE IRON WATER  
MAIN (DOUBLE  
CEMENT LINED WITH  
ASPHALTIC COATING)  
IN V-BIO  
POLYETHYLENE  
ENCASEMENT

TWO-PIECE CAST IRON SCREW TYPE 6850 SERIES VALVE  
BOX WITH 5 1/4" DROP LID. LID SHALL HAVE THE WORD  
"WATER" FORGED INTO CASTING. ALL VALVE BOXES MUST  
BE PRODUCED IN ACCORDANCE WITH AND MEET  
PROVISIONS OF MOST RECENT ASTM A-438, ASTM A-48,  
AWWA C110/A21, AND AWWA C110/A21 4-90 STANDARDS.  
TYLER MODEL (562-S, 564-S, OR 664-S) BOX OR EQUAL.

CORPORATION STOP (BALL VALVE),  
MUELLER MODEL # B-25025N  
THREADED INTO MJ TAPPED TEE,  
TYLER UNION MODEL # C110 OR  
APPROVED EQUAL. SERVICE  
SADDLES ARE NOT TO BE USED.

2" CURB STOP (1/4-TURN  
BALL VALVE), MUELLER  
MODEL #B-25204N OR  
APPROVED EQUAL

2" TYPE K SOFT COPPER,  
ABSOLUTELY NO SPLICES /  
FITTINGS ALLOWED

5' MINIMUM

NOTES:

1. TAPS MADE TO THE V-BIO POLYETHYLENE ENCASED WATER MAIN MUST BE MADE IN STRICT CONFORMANCE TO THE MANUFACTURERS INSTALLATION REQUIREMENTS. ENCASEMENT INTEGRITY MUST NOT BE BREACHED.
2. ALL PIPES, FITTINGS, AND FIXTURES IN CONTACT WITH POTABLE WATER SHALL BE LEAD FREE PER THE "REDUCTION OF LEAD IN DRINKING WATER ACT" AND NSF/ANSI STANDARD 61 (NSF-61). LEAD FREE IS DEFINED AS CONTAINING NOT MORE THAN A WEIGHTED AVERAGE OF 0.25 PERCENT LEAD WHEN USED WITH RESPECT TO THE WETTED SURFACES OF PIPES, PIPE FITTINGS, PLUMBING FITTINGS, AND FIXTURES.
3. ALL MATERIALS FURNISHED AND INSTALLED MUST COMPLY WITH THE PENNSYLVANIA STEEL PRODUCTS PROCUREMENT ACT.
4. ANY MODIFICATION MUST BE APPROVED BY THE EWW ENGINEERING DEPARTMENT IN ADVANCE.

(NOT TO SCALE)

DRAWN BY: RD	APPROVED BY: CP
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# AUTOMATIC FLUSHING UNIT

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