

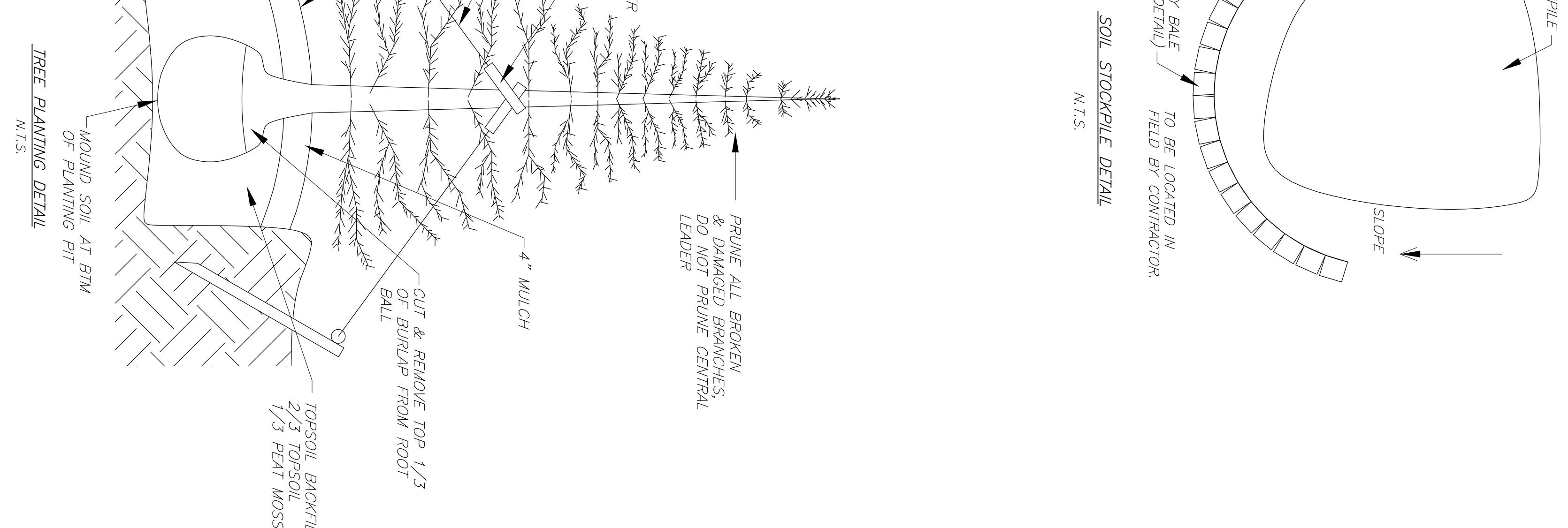
EROSION CONTROL STANDARD NOTES

1. EXCAVATION, FILLING, GRADING, AND STRIPPING SHALL BE PERMITTED TO BE UNDERTAKEN ONLY IN SUCH LOCATIONS AND IN SUCH A MANNER AS TO MINIMIZE THE POTENTIAL OF EROSION AND SEDIMENT AND THE THREAT TO THE HEALTH, SAFETY AND WELFARE OF NEIGHBORING PROPERTY OWNERS AND THE GENERAL PUBLIC.
2. SITE PREPARATION AND CONSTRUCTION SHALL BE FITTED TO THE SITE AND SHALL PRESERVE AS MANY OF THESE FEATURES AS FEASIBLE.
3. THE CONTROL OF EROSION AND SEDIMENT SHALL BE A CONTINUOUS PROCESS UNDERTAKEN AS NECESSARY PRIOR TO, DURING AND AFTER SITE PREPARATION AND CONSTRUCTION.
4. THE SMALLEST PRACTICAL AREA OF LAND SHALL BE EXPOSED BY SITE PREPARATION AT ANY GIVEN TIME.
5. THE EXPOSURE OF AREAS BY SITE PREPARATION SHALL BE KEPT TO THE SHORTEST PRACTICAL PERIOD OF TIME PRIOR TO THE RESTORATION OF THE EXPOSED AREAS TO AN ATTRACTIVE NATURAL CONDITION.
6. MULCHING OR TEMPORARY VEGETATION SUITABLE TO THE SITE SHALL BE USED WHERE NECESSARY TO PROTECT AREAS EXPOSED BY SITE PREPARATION AND PERMANENT VEGETATION WHICH IS WELL ADAPTED TO THE SITE SHALL BE INSTALLED AS SOON AS PRACTICAL.
7. WHERE SLOPES ARE TO BE REVEGETATED IN AREAS EXPOSED BY SITE PREPARATION, THE SLOPES SHALL NOT BE OF SUCH STEEPNESS THAT VEGETATION CANNOT BE READILY ESTABLISHED OR THAT PROBLEMS OF EROSION OR SEDIMENT MAY RESULT.
8. SITE PREPARATION AND CONSTRUCTION SHALL NOT ADVERSELY AFFECT THE FREE FLOW OF WATER BY ENROACHING ON, BLOCKING OR RESTRICTING WATERCOURSES.
9. ALL HILL MATERIAL SHALL BE COMPOSITION SUITABLE FOR THE ULTIMATE USE OF THE HILL, FREE OF RUBBISH AND CAREFULLY RESTRICTED IN ITS CONTENT OF BRUSH, STUMPS, TREE DEBRIS, ROCKS, FROZEN MATERIAL AND SOFT OR EASY COMPRESSIBLE MATERIAL.
10. FILL MATERIAL SHALL BE COMPACTED SUFFICIENTLY TO PREVENT CONSTRUCTION AND INTEGRATED DRAINAGE SYSTEM SHALL BE PROVIDED WHICH ALL TIMES MINIMIZES EROSION, SEDIMENT HAZARDS OF SLOPE INSTABILITY AND ADVERSE EFFECT ON NEIGHBORING PROPERTY OWNERS.
11. ALL TOPSOIL WHICH IS EXCAVATED FROM A SITE SHALL BE STOCKPILED AND USED FOR THE RESTORATION OF THE SITE, AND SUCH MATERIALS WHERE NECESSARY SHALL BE SEEDED OR OTHERWISE TREATED TO MINIMIZE THE EFFECTS OF EROSION.
12. FILL MATERIAL SHALL BE COMPACTED SUFFICIENTLY TO PREVENT CONSTRUCTION AND INTEGRATED DRAINAGE SYSTEM SHALL BE PROVIDED WHICH ALL TIMES MINIMIZES EROSION, SEDIMENT HAZARDS OF SLOPE INSTABILITY AND ADVERSE EFFECT ON NEIGHBORING PROPERTY OWNERS.
13. THE NATURAL DRAINAGE SYSTEM SHALL GENERALLY BE PRESERVED TO PREVENT THE PONDING OF WATER, UNLESS SUCH PONDING IS IN PREFERENCE TO MODIFICATIONS OF THIS SYSTEM, EXCEPTING WHERE SUCH MODIFICATIONS ARE NECESSARY TO REDUCE LEVELS OF EROSION AND SEDIMENT AND ADVERSE EFFECTS ON NEIGHBORING PROPERTY OWNERS.
14. ALL DRAINAGE SYSTEMS SHALL BE DESIGNED TO HANDLE THE ENTIRE UPSTREAM DRAINAGE BASIN.
15. SUFFICIENT GRADES AND DRAINAGE FACILITIES SHALL BE PROVIDED TO PREVENT THE PONDING OF WATER, UNLESS SUCH PONDING IS PROPOSED WITHIN SITE PLANS, IN WHICH EVENT THERE SHALL BE SUFFICIENT WATER FLOW TO MAINTAIN PROPOSED WATER LEVELS AND TO AVOID STAGNATION.
16. THERE SHALL BE PROVIDED WHERE NECESSARY TO MINIMIZE EROSION AND SEDIMENT SUCH MEASURES AS BENCHES, BERMS, TERRACES, DIVERSIONS AND SEDIMENT AND DRAINAGE BASINS.
17. DRAINAGE SYSTEMS, PLANTINGS AND OTHER EROSION OR SEDIMENT CONTROL DEVICES SHALL BE MAINTAINED AS FREQUENTLY AS NECESSARY TO PROVIDE ADEQUATE PROTECTION AGAINST EROSION AND SEDIMENT AND TO ENSURE THAT THE FREE FLOW OF WATER IS NOT OBSTRUCTED BY THE ACCUMULATION OF SITE DEBRIS OR OTHER MATERIAL OR BY STRUCTURAL DAMAGE.

TEMPORARY VEGETATION NOTES
TEMPORARY VEGETATION SHALL BE USED TO PROTECT AREAS IN EXCESS OF 1/2 AC EXPOSED FOR A PERIOD OVER (2) WEEKS BEFORE OR DURING DEVELOPMENT.

A. (50) LBS. OF NUTROEN (50) POUNDS OF APPROVED GRAIN SEED AND (2) TONS OF HAY MULCH PER ACRE, OR B. ON AREAS THAT WILL BE EXPOSED FOR SHORT PERIODS OF TIME AND WHERE WEATHER CONDITIONS ARE CONDUCIVE TO AIRBORNE SAND TRAPS TO CONTROL SUCH SAND SHALL BE INSTALLED AS DIRECTED.

C. ON AREAS SUCH AS TEMPORARY ROADWAYS, WHEN DRY CONDITIONS PREVAIL, THE CONTRACTOR SHALL BE REQUIRED TO APPLY WATER OR CALCIUM CHLORIDE AS REQUIRED TO PREVENT DUST DURING CONSTRUCTION ACTIVITIES.



SOIL STOCKPILE DETAIL
N.T.S.

REINFORCED RUBBER HOSE
DOUBLE 10 GA. GUY WIRE
TWISTED LEADER
3" WATER SAUCER
2"x2" CEDAR STAKE
CUT & REMOVE TOP 1/3 OF BURRUP FROM ROOT
TOPSOIL BACKFILL: 2/3 TOPSOIL
1/3 PEAT MOSS
MOUND SOIL AT BTM OF PLANTING PIT
UNDISTURBED SOIL
PRUNE ALL BROKEN & DAMAGED BRANCHES, DO NOT PRUNE CENTRAL LEADER
4" MULCH

1. CONSTRUCTION OF POTABLE WATER UTILITIES AND CONNECTION TO THE TOWN OF MARLBOROUGH WATER DEPARTMENT. ALL WORK AND MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF THE NYSC AND THE TOWN OF MARLBOROUGH.

2. ALL WATER SERVICE LINES FOUR (4) INCHES AND LARGER IN DIAMETER SHALL BE CEMENT LINED CLASS SIZE DUCTILE IRON PIPE CONFORMING TO ANSI/ASME C151.42.1-91 FOR DUCTILE IRON PIPE JOINTS SHALL BE EITHER PUSH-ON OR DUCTILE IRON, MECHANICAL JOINT, CLASS 250 AND CONFORM TO ANSI/ASME C110.42.1-10-82 FOR DUCTILE AND GRAY IRON FITTINGS OR ARE NOT ACCEPTABLE. JOINT RESTRAINT SHALL BE THROUGH THE USE OF MECHANICAL JOINT PIPE WITH RETAINER GLANDS. ALL FITTINGS AND VALVES SHALL BE INSTALLED WITH RETAINER GLANDS OR APPROVED EQUAL.

3. THE USE OF A MANUFACTURED RESTRAINED JOINT PIPE IS ACCEPTABLE WITH PRIOR APPROVAL OF THE WATER DEPARTMENT.

4. ALL FITTINGS SHALL BE CAST IRON OR DUCTILE IRON, MECHANICAL JOINT, CLASS 250 AND CONFORM TO ANSI/ASME C151.42.1-10-82 FOR DUCTILE AND GRAY IRON FITTINGS OR

5. THROTTLE RESTRAINT OF THE PIPE SHALL BE THROUGH THE USE OF MECHANICAL JOINT BLOCKS WITH RETAINER GLANDS.

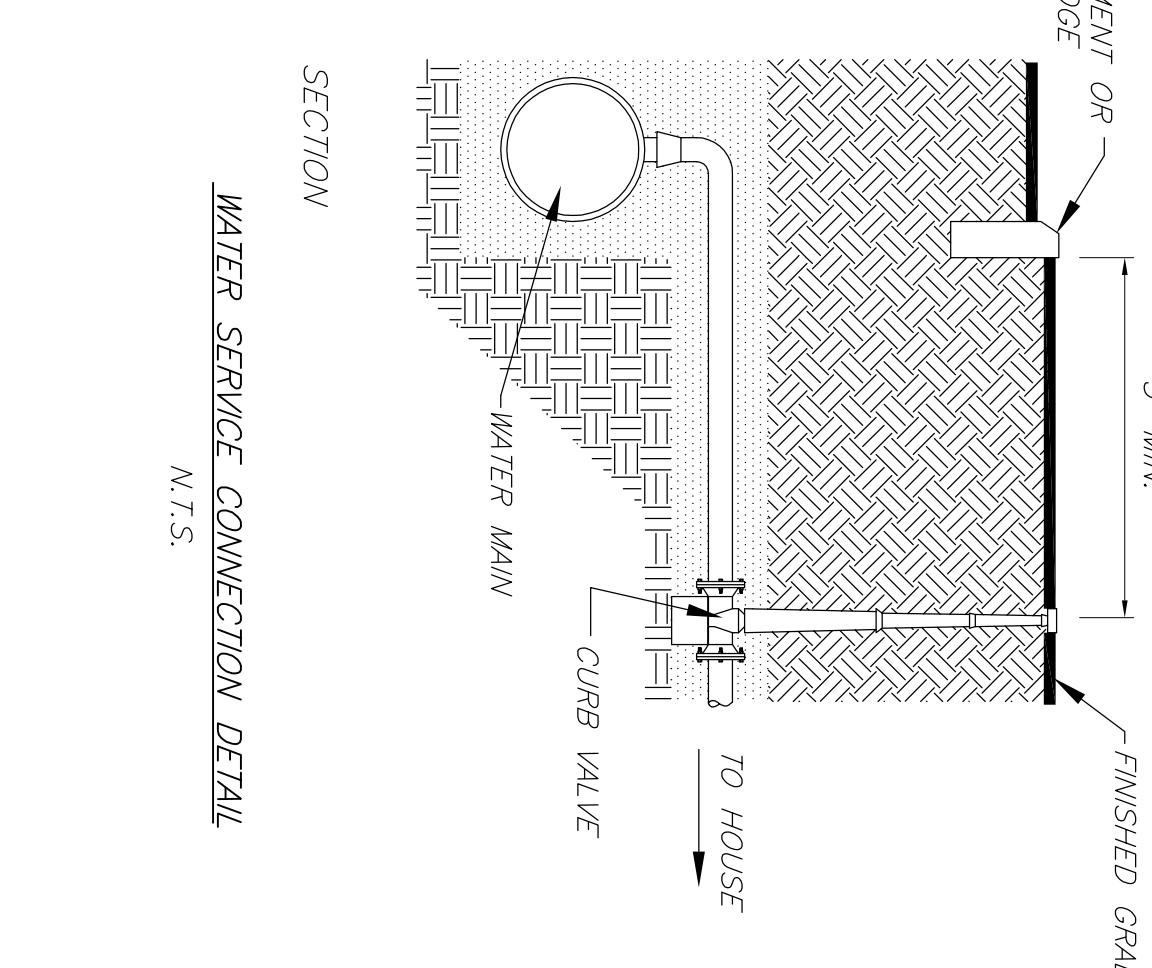
6. ALL VALVES 4 TO 12 INCHES SHALL BE RESILIENT WEDGE GATE VALVES CONFORMING TO ANSI/ASME C509 SUCH AS MUELLER MODEL A-2380-23 OR APPROVED EQUAL. ALL GATE VALVES SHALL OPEN LEFT (COUNTERLOCKWISE).

7. ALL PIPE INSTALLATION SHALL BE SUBJECT TO INSPECTION BY THE TOWN OF MARLBOROUGH WATER DEPARTMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL INSPECTIONS AS REQUIRED WITH THE TOWN OF MARLBOROUGH WATER DEPARTMENT.

8. THE WATER MAIN SHALL BE TESTED, DISINFECTED AND FLUSHED IN ACCORDANCE WITH THE TOWN OF MARLBOROUGH REQUIREMENTS. ALL TESTING, DISINFECTION AND FLUSHING SHALL BE COORDINATED WITH THE TOWN OF MARLBOROUGH WATER DEPARTMENT PRIOR TO PUTTING THE WATER MAIN IN SERVICE. SATISFACTORY SANITARY RESULTS FROM A CERTIFIED LAB MUST BE SUBMITTED TO THE TOWN OF MARLBOROUGH WATER DEPARTMENT. THE TEST SAMPLES MUST BE COLLECTED BY A REPRESENTATIVE OF THE TESTING LABORATORY AND WITNESSED BY THE WATER DEPARTMENT.

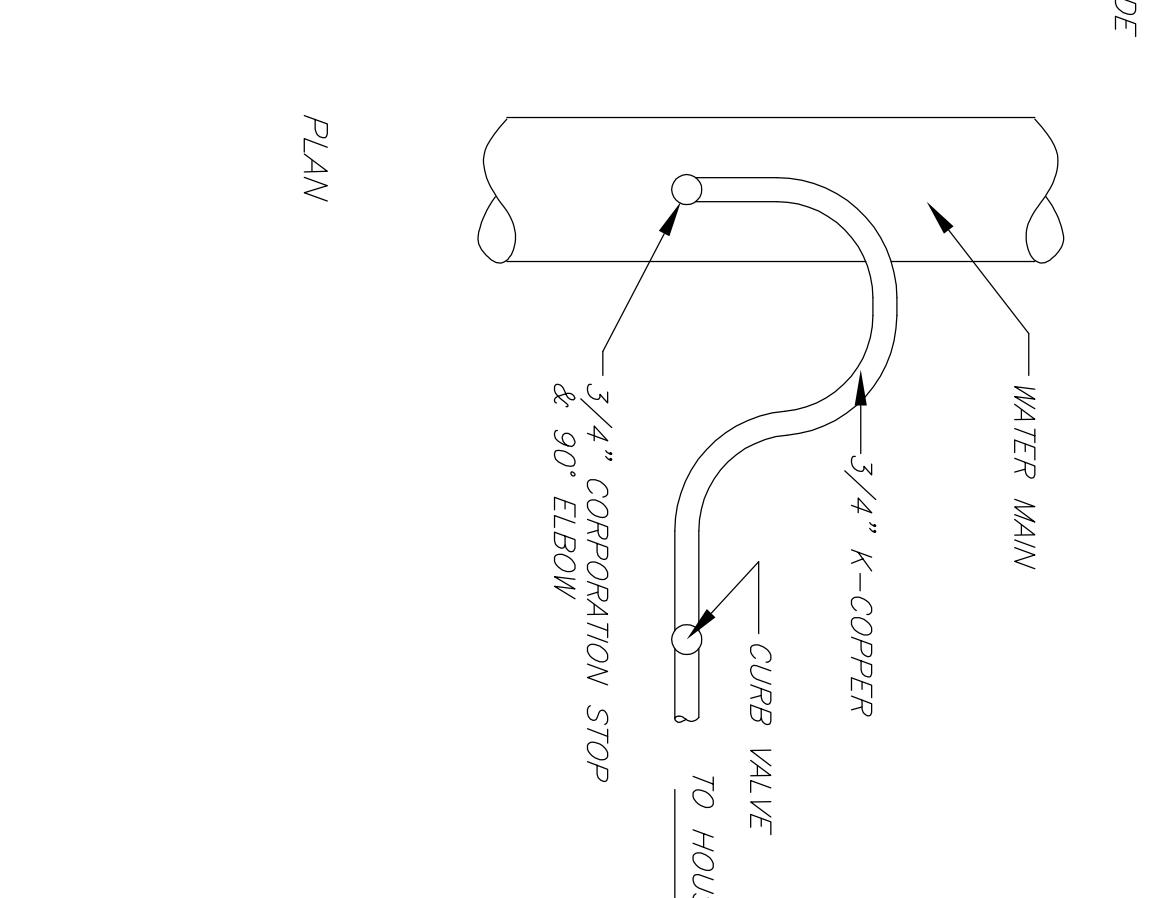
9. ALL WATER SERVICE LINES TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE TYPE K COPPER TUBING. CORPORATION TAPS SHALL BE MUELLER H-15020 FOR 3/4" AND 1" INCH MUELLER H-15000 OR B-25000 FOR 1 1/2 AND 2 INCH SIZES. CURB VALVES SHALL BE MUELLER H-1502-2 FOR 3/4 AND 1 INCH AND MUELLER H-10314 FOR 1 1/2 AND 2 INCH SIZES. CURB BOXES SHALL BE MUELLER H-10314 FOR 3/4 AND 1 INCH AND MUELLER H-10310 FOR 1 1/2 AND 2 INCH SIZES.

10. AN AS-BUILT LOCATION SHALL BE PROVIDED TO THE TOWN OF MARLBOROUGH.



SECTION
N.T.S.

WATER MAIN
CURB VALVE
CURB RAVEMENT OR ~
5' MIN. FINISHED GRADE
EASEMENT EDGE



PLAN

WATER MAIN
3/4" K-COPPER
CURB VALVE
3/4" ELBOW

THIS SHEET IS INVALID AND VOID UNLESS ACCOMPANIED BY REMAINING SHEETS IN SET.

TOWN PROJECT # 18-9

REVISIONS

REV.: DATE: BY: DESCRIPTION:

3 09/18/19 RBL PER TOWN COMMENTS

2 08/28/19 RBL PER TOWN COMMENTS

1 07/08/19 RBL PER TOWN COMMENTS

CHARLES T. BROWN, P.E.

DATE: 07/01/19 AS NOTED

JOB NUMBER: 17257-NW0

SHEET NUMBER: 3 OF 3

TOWN OF MARLBOROUGH WATER SERVICE NOTES

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4. ALL VALVES 4 TO 12 INCHES SHALL BE RESILIENT WEDGE GATE VALVES CONFORMING TO ANSI/ASME C509 SUCH AS MUELLER MODEL A-2380-23 OR APPROVED EQUAL. ALL GATE VALVES SHALL OPEN LEFT (COUNTERLOCKWISE).

5. THROTTLE RESTRAINT OF THE PIPE SHALL BE THROUGH THE USE OF MECHANICAL JOINT BLOCKS WITH RETAINER GLANDS.

6. ALL VALVES 4 TO 12 INCHES SHALL BE MECHANICAL JOINT SUCH AS MUELLER H-615 OR EQUAL. TAPPING VALVES SHALL BE RESILIENT WEDGE GATE VALVES CONFORMING TO ANSI/ASME C509 SUCH AS MUELLER MODEL T-2360-19 OR APPROVED EQUAL. ALL TAPPING SLEEVES AND VALVES SHALL BE TESTED TO 150 PSI/MMH. TESTING OF THE TAPPING SLEEVES AND VALVES MUST BE WITNESSED AND ACCEPTED BY THE TOWN OF MARLBOROUGH WATER DEPARTMENT PRIOR TO CUTTING INTO THE PIPE.

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