

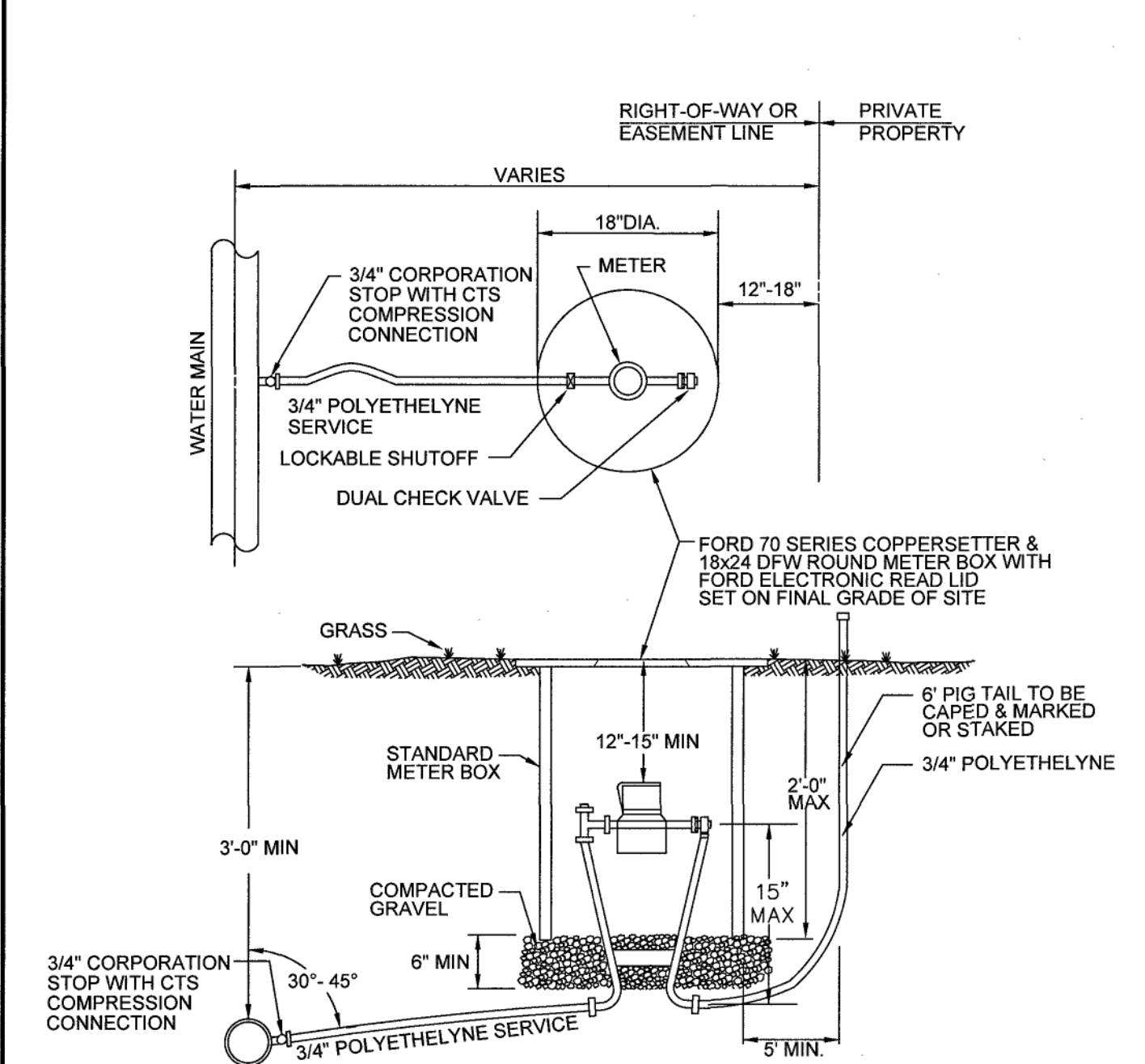
WATER NOTES:

1. A MINIMUM COVER OF THREE (3) FEET IS REQUIRED OVER PROPOSED LINES UNLESS SPECIFICALLY NOTED OTHERWISE.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND UNCOVERING WATER LINES & VALVES
3. ALL EXISTING UTILITIES MAY NOT BE SHOWN IN THE EXACT LOCATION. THE CONTRACTOR SHALL COMPLY WITH THE STATE WATER WORKS REGULATIONS, SECTION 12.05.03, WHERE LINES CROSS
4. ALL TRENCHES IN EXISTING OR FUTURE HIGHWAY RIGHTS-OF-WAY SHALL BE COMPACTED ACCORDING TO V.D.O.T. STANDARDS.
5. LINES SHALL BE MARKED/STAKED PRIOR TO CONSTRUCTION.

6. WATER MAIN SHALL BE EITHER CLASS 52, TYTON JOINT DUCTILE IRON OR SDR-14 PVC IN ACCORDANCE WITH AWWA C-909. WATER SERVICE LINES SHALL BE COPPER OR BLACK ROLL POLYETHYLENE (200PSI).
7. ALL VALVES AND APPURTENANCES SHALL BE IN ACCORDANCE WITH BOTETOURT COUNTY STANDARDS.
8. A CONTINUOUS AND UNIFORM BEDDING SHALL BE PROVIDED IN THE TRENCH FOR ALL PIPE. STONES AND ROCKS FOUND IN THE TRENCH SHALL BE REMOVED FOR A DEPTH OF AT LEAST SIX (6) INCHES BELOW THE BOTTOM OF THE PIPE AND TAMPED SELECTED FILL BEDDING PROVIDED. AFTER THE PIPE HAS BEEN PLACED IN THE TRENCH, THE TRENCH SHALL BE BACKFILLED WITH SELECTED MATERIAL, THOROUGHLY COMPACTED TO 95% MAX. DENSITY UNDER PAVEMENT OR CONCRETE SLAB, OF THE STANDARD PROCTOR (ASTM D-698) USING CARE NOT TO DAMAGE THE PIPE.

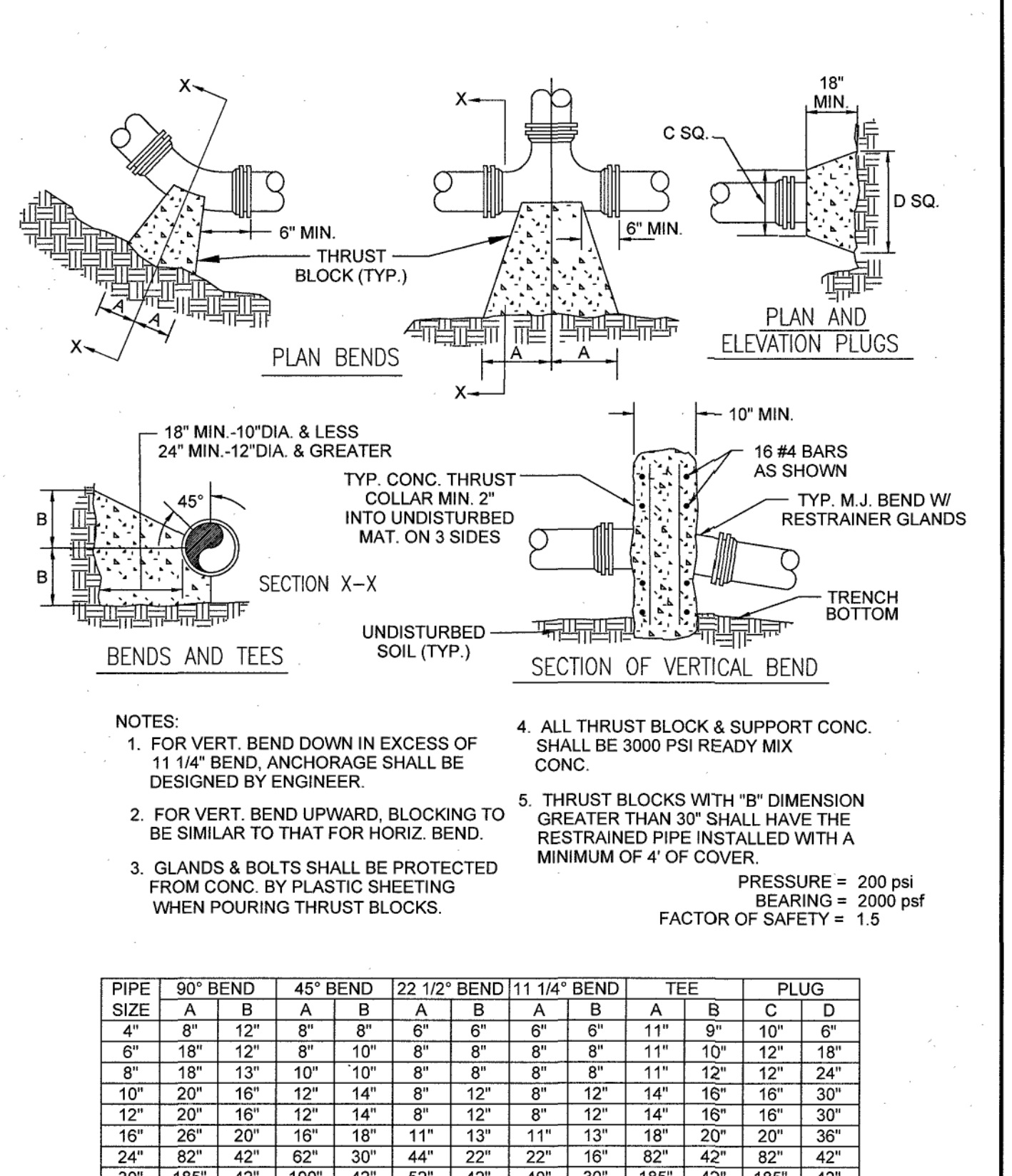
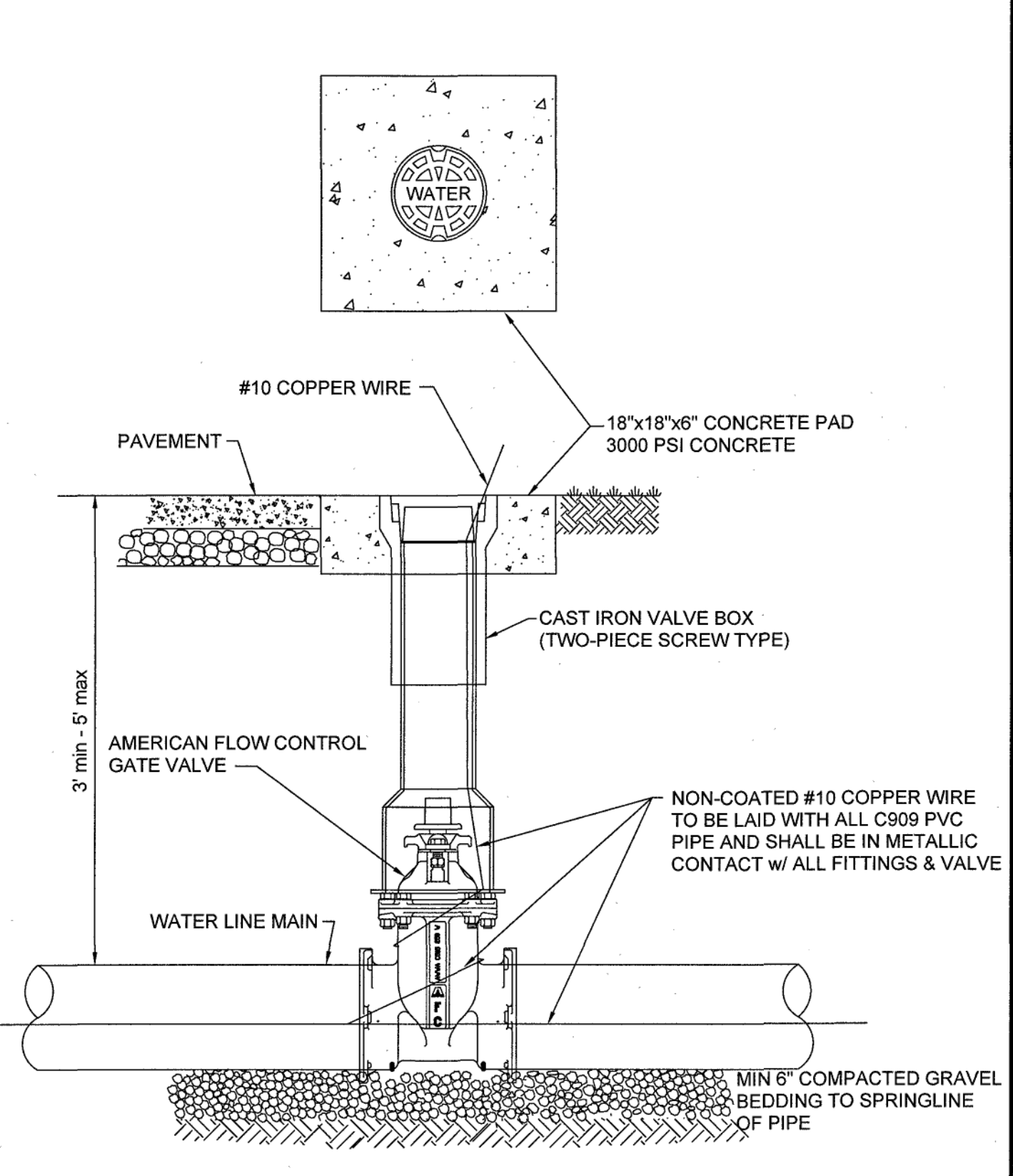
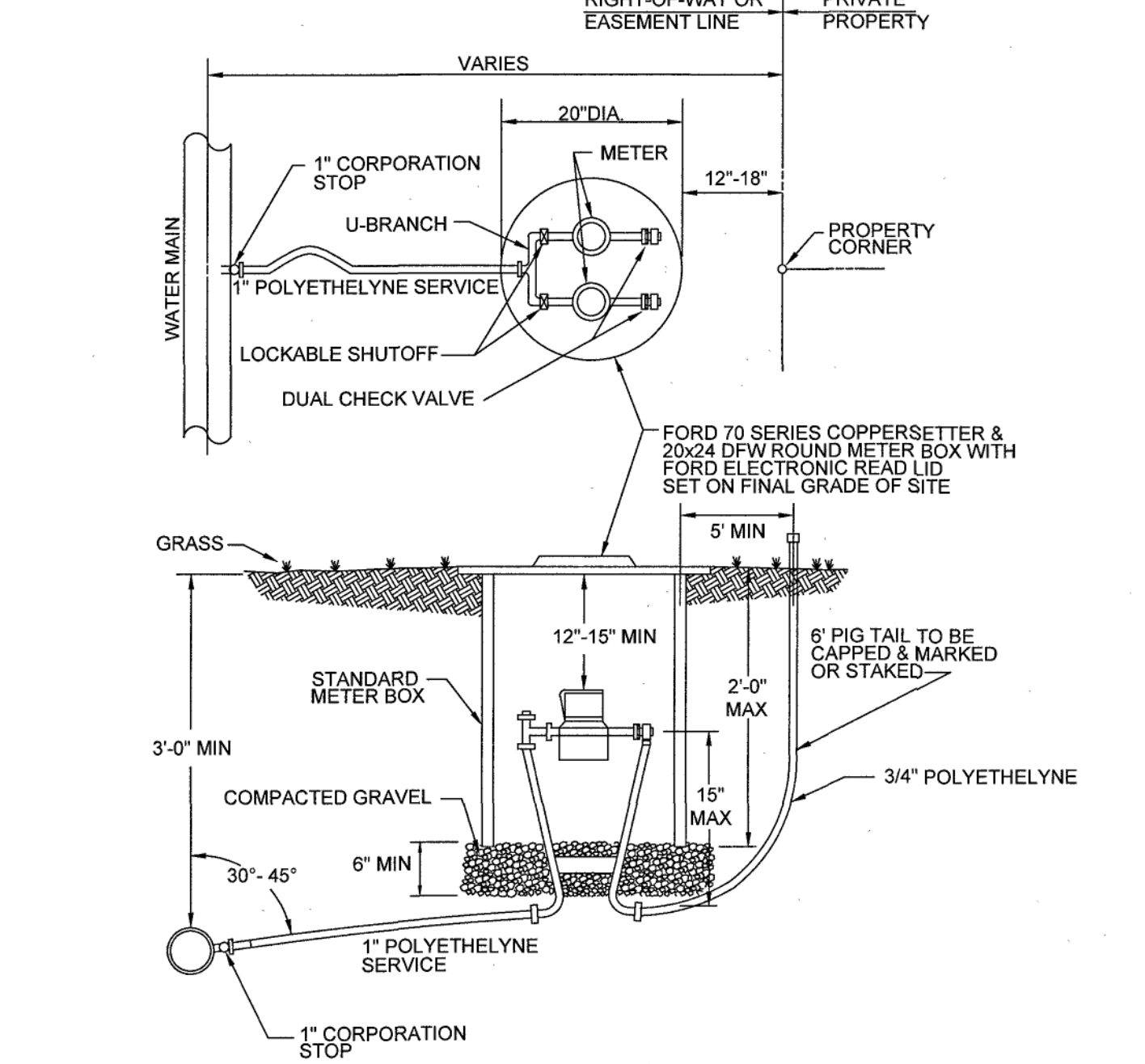
NOTES:

1. FORD METER SETTERS MUST BE USED BY CONTRACTOR.
2. METERS MUST NOT BE INSTALLED IN BOTTOM OF ROADSIDE DITCH.
3. METERS WILL BE PROVIDED AND INSTALLED BY BOTETOURT COUNTY UTILITY DEPARTMENT FOR ALL WATER SYSTEMS OWNED AND MAINTAINED BY BOTETOURT COUNTY.
4. METERS SHALL BE SENSUS SRII WATER METERS.
5. SADDLES MUST BE USED WITH ALL PLASTIC & CLASS 50 DUCTILE IRON PIPE.
6. ALL POLYETHYLENE SERVICE LINES SHALL BE RATED FOR MINIMUM 200 PSI.



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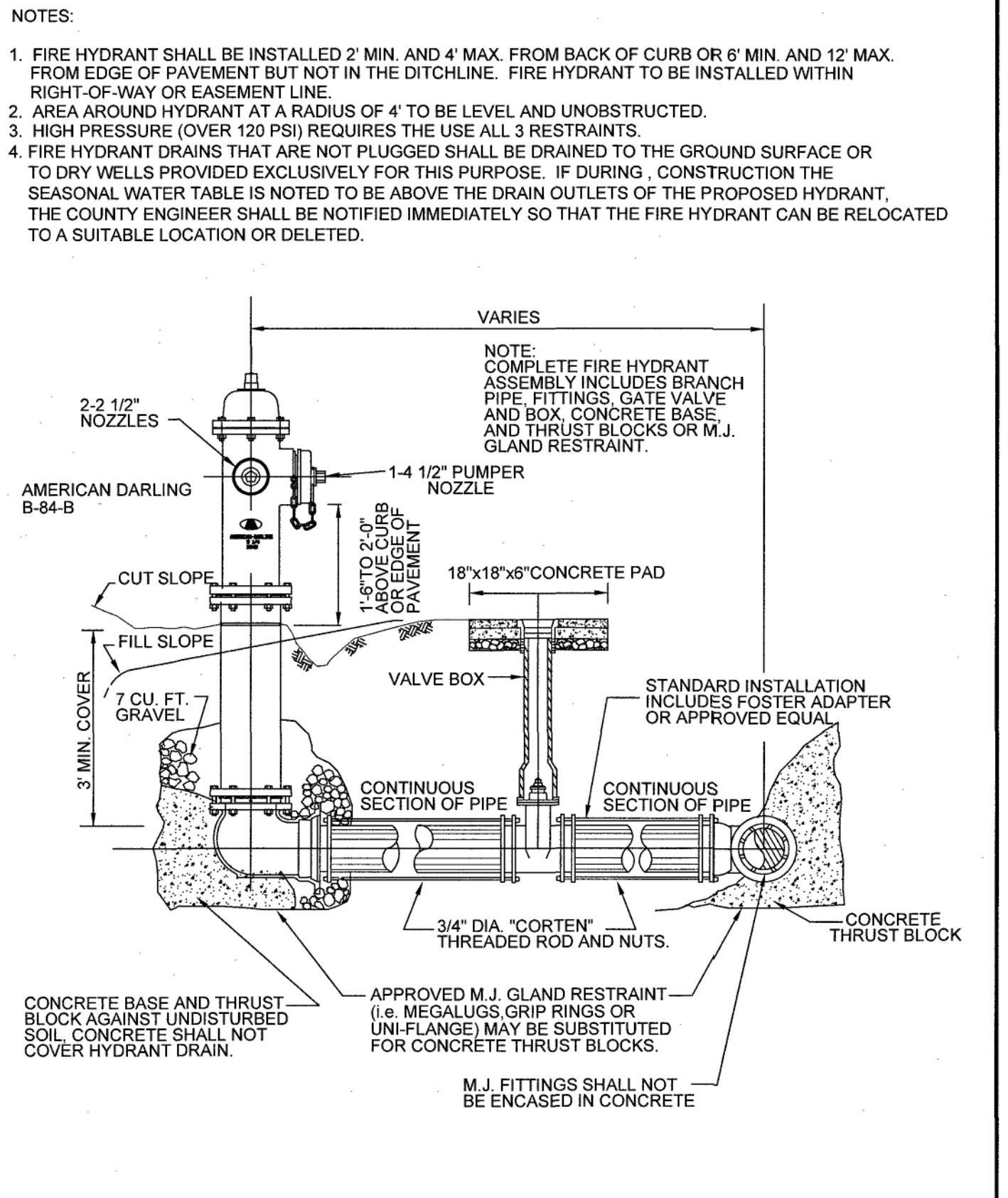
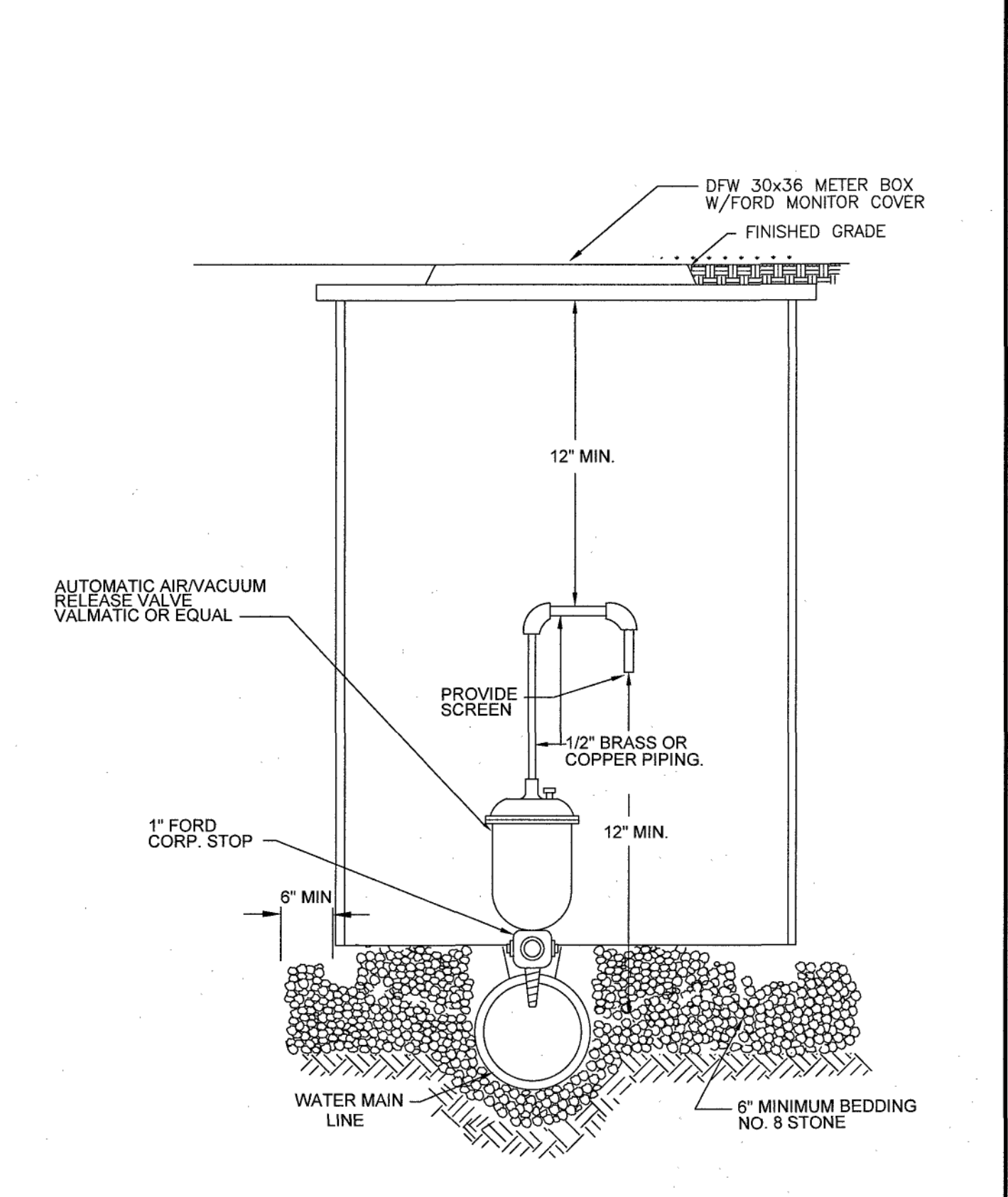
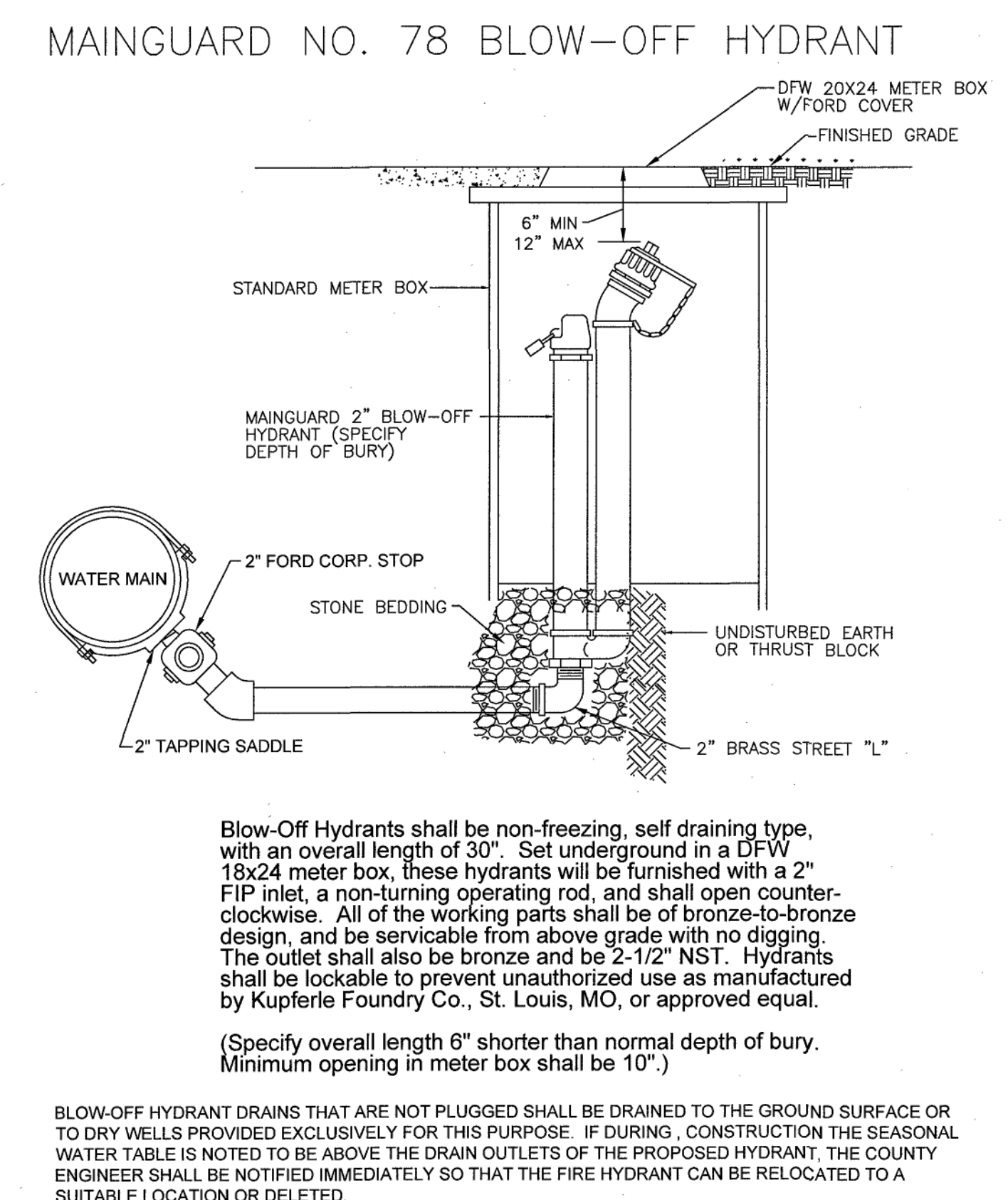
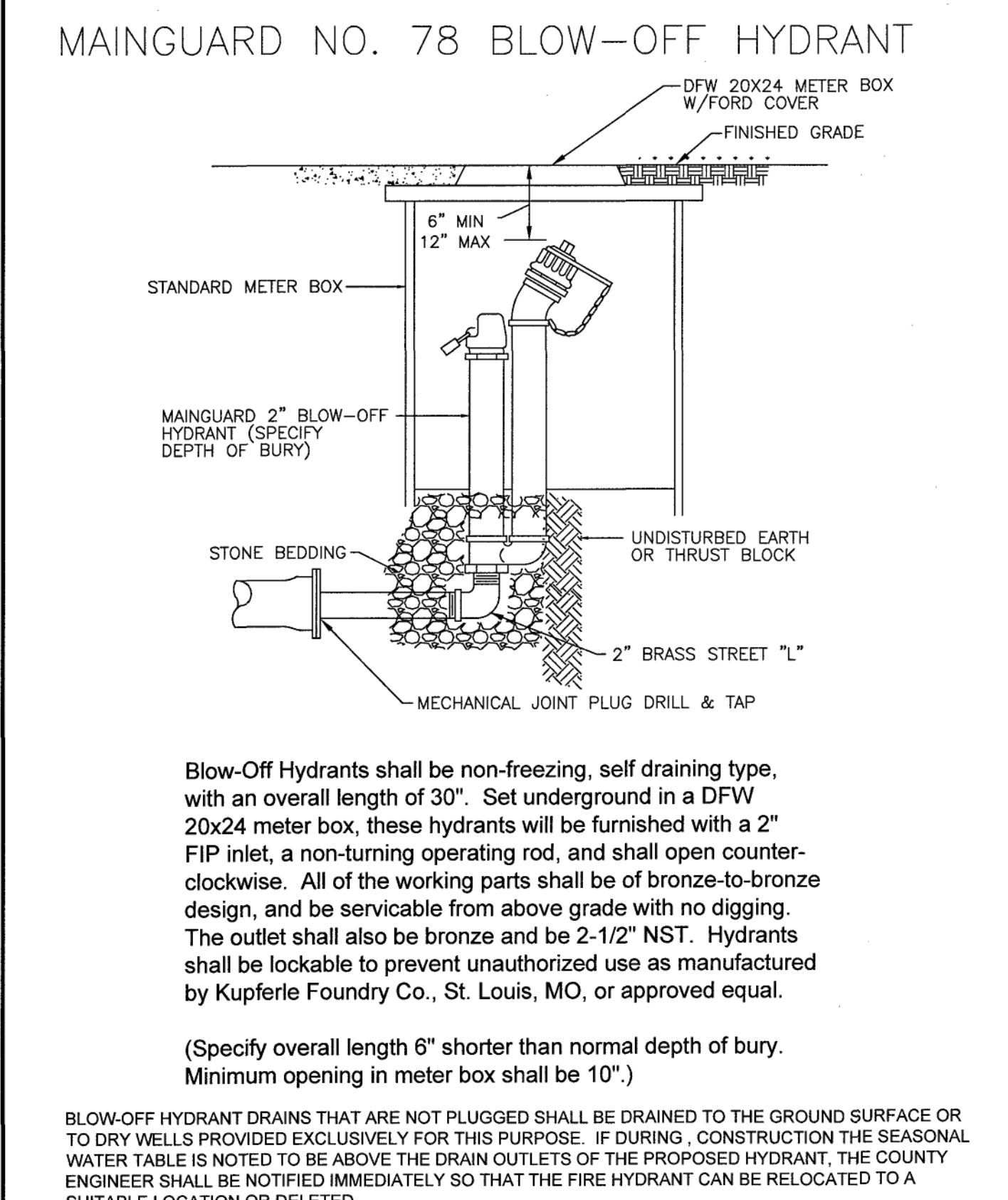


BOTETOURT COUNTY PUBLIC FACILITIES & PROGRAMS
CONSTRUCTION STANDARDS
SINGLE RESIDENTIAL WATER SERVICE
 DATE: MARCH 2005
 REVISIONS:
BC # W-01

BOTETOURT COUNTY PUBLIC FACILITIES & PROGRAMS
CONSTRUCTION STANDARDS
RESIDENTIAL / SMALL COMMERCIAL DOUBLE WATER SERVICE
 DATE: MARCH 2005
 REVISIONS:
BC # W-03

BOTETOURT COUNTY PUBLIC FACILITIES & PROGRAMS
CONSTRUCTION STANDARDS
STANDARD VALVE BOX INSTALLATION
 DATE: MARCH 2005
 REVISIONS:
BC # W-05

BOTETOURT COUNTY PUBLIC FACILITIES & PROGRAMS
CONSTRUCTION STANDARDS
THRUST BLOCK CONSTRUCTION
 DATE: MARCH 2005
 REVISIONS:
BC # W-13

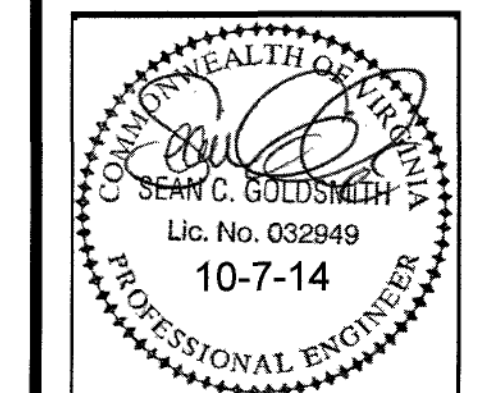


BOTETOURT COUNTY PUBLIC FACILITIES & PROGRAMS
CONSTRUCTION STANDARDS
PERMANENT END OF LINE BLOW-OFF ASSEMBLY
 DATE: MARCH 2005
 REVISIONS:
BC # W-07

BOTETOURT COUNTY PUBLIC FACILITIES & PROGRAMS
CONSTRUCTION STANDARDS
IN-LINE BLOW-OFF ASSEMBLY
 DATE: MARCH 2005
 REVISIONS:
BC # W-09

BOTETOURT COUNTY PUBLIC FACILITIES & PROGRAMS
CONSTRUCTION STANDARDS
AUTOMATIC AIR/VACUUM RELEASE ASSEMBLY
 DATE: MARCH 2005
 REVISIONS:
BC # W-10

BOTETOURT COUNTY PUBLIC FACILITIES & PROGRAMS
CONSTRUCTION STANDARDS
FIRE HYDRANT ASSEMBLY AMERICAN DARLING B-84-B
 DATE: MARCH 2005
 REVISIONS:
BC # W-12



Revisions By	Date
1-WTR & SWR RVSN	10/7/14

INTEGRITY ENGINEERING
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 Blue Ridge, VA 24064
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 Email: integrityengpc@gmail.com

WATER SYSTEM DETAILS
 PHASE 1
 COTTAGES OF STEEPLECHASE
 BOTETOURT COUNTY, VIRGINIA

Scale: H:1"=50' V:1"=5'
 Date: 9/18/14
 Design By: SCG
 CAD By: SCG
 Checked By:
 Project No.: 12052

Sheet No.
C12