

### WATER NOTES

- The water system shall be installed in accordance with the latest Guidelines and Specifications of Public Water Supply District No. 2 of St. Charles County, Missouri and all other applicable federal, state, and local requirements.
- Public Water Supply District No. 2 of St. Charles County specifications are on file with the Missouri Department of Natural Resources. Please refer to specifications Review Number:  
**6050805-13**
- Public Water Supply District No. 2 of St. Charles County requires a minimum of one (1) week's notice prior to beginning construction of water mains.

### WATER JETTING

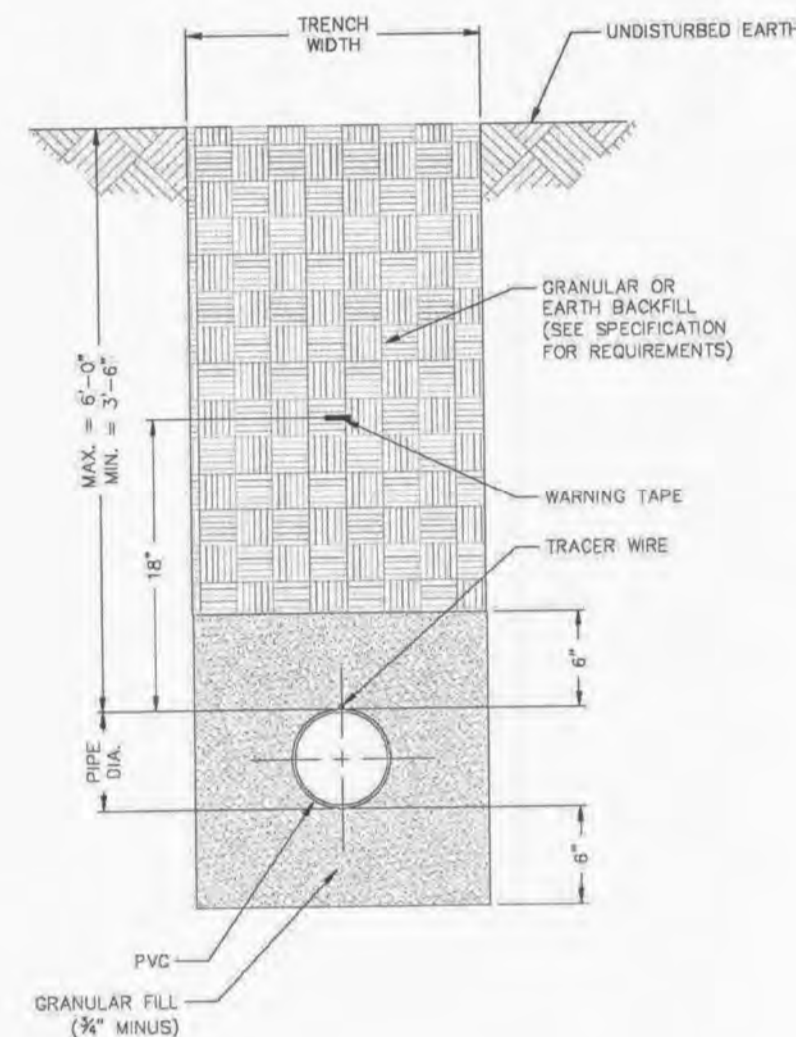
**Jetting.** Granular materials and earth materials associated with new construction beyond the pavement may be jetted, taking care to avoid damage to newly laid sewers. The jetting shall be performed with a probe route on not greater than seven and one-half (7.5) foot centers with the jetting probe centered over and parallel with the direction of the pipe. Trench width greater than ten (10) feet will require multiple probes every seven and one-half (7.5) foot centers.

**a. Depth.** Trench backfill less than eight (8) feet in depth shall be probed to a depth extending to half the depth of the trench backfill, but not less than three (3) feet. Trench backfill greater than eight (8) feet in depth shall be probed to half the depth of the trench backfill but not greater than eight (8) feet.

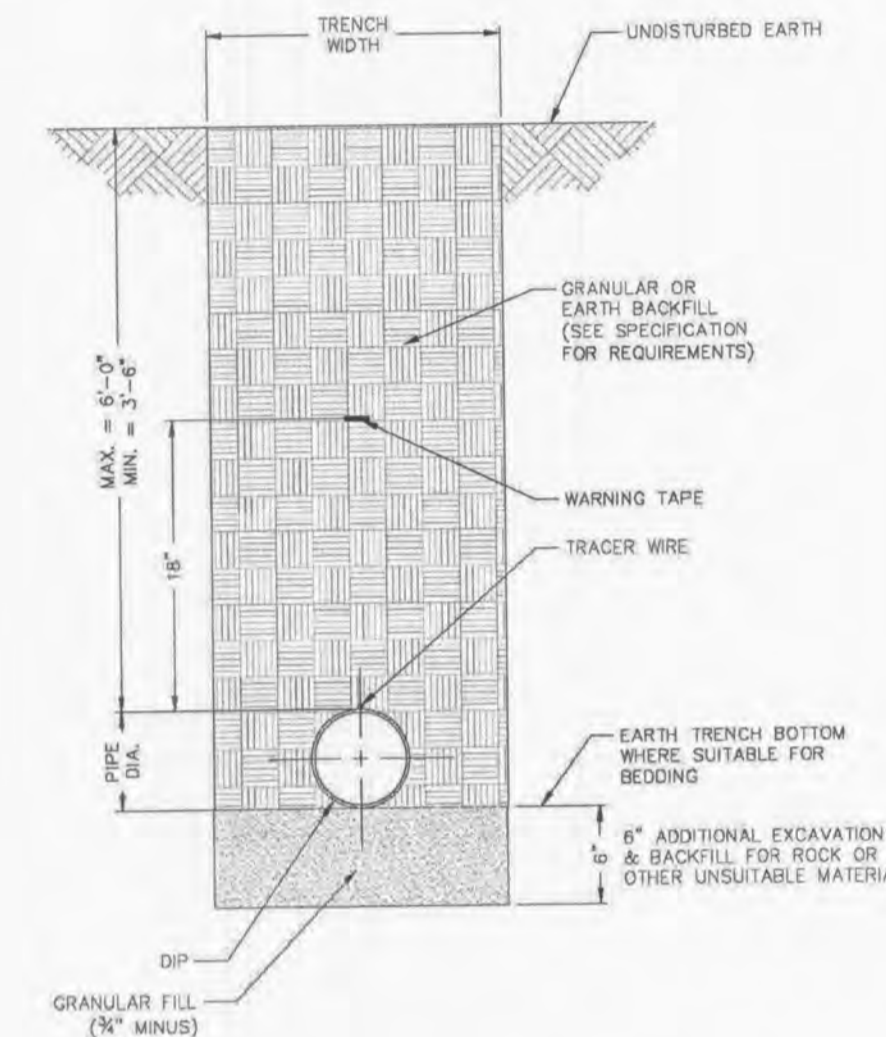
**b. Equipment.** The jetting probe shall be a metal pipe with an exterior diameter of one and one-half (1.5) to two (2) inches.

**c. Method.** Jetting shall be performed from the low surface topographic point and proceed toward the high point, and from the bottom of the trench backfill towards the surface. The flooding of each jetting probe shall be started slowly allowing slow saturation of the soil. Water is not allowed to flow away from the ditch without first saturating the trench.

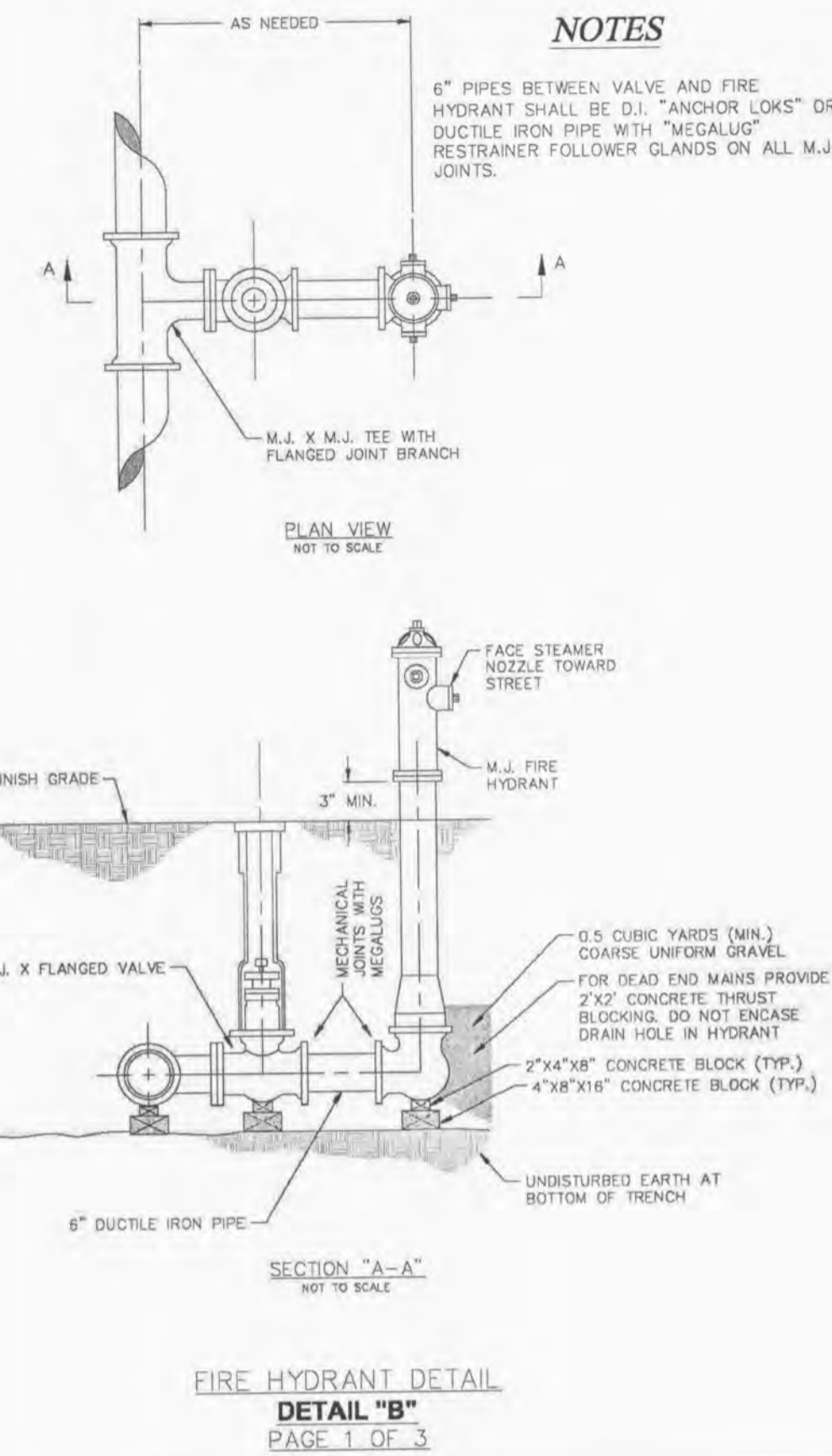
**d. Surface bridging.** The contractor shall identify the locations of the surface bridging (the tendency for the upper backfill crust to arch over the trench rather than collapse and consolidate during the jetting process). The contractor shall breakdown the bridged areas using an appropriate method such as wheels or bucket of a backhoe. When the surface crust is collapsed, the void shall be backfilled with the same material used as trench backfill and regraded. Compaction of the materials within the sunken/jetted area shall be compacted such that no further surface subsidence occurs.



**NOTES**  
1) SEE SPECIFICATIONS FOR ADDITIONAL DETAILS FOR BEDDING AND BACKFILL.  
**TYPICAL TRENCH SECTION FOR PVC PIPE**  
NOT TO SCALE  
**DETAIL "A"**  
PAGE 1 OF 2

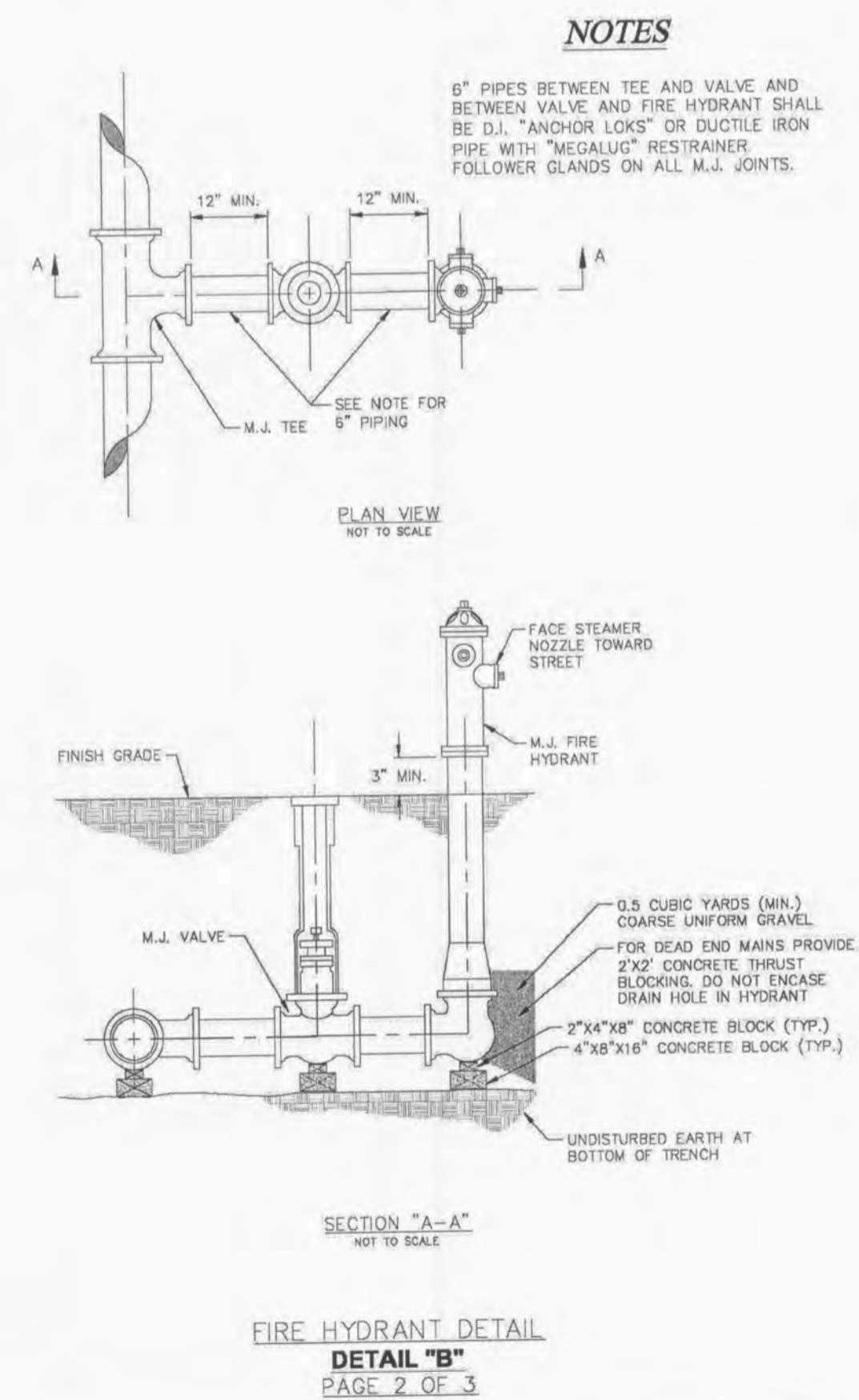


**NOTES**  
1) POLYWRAP REQUIRED FOR DUCTILE IRON PIPE  
2) SEE SPECIFICATIONS FOR ADDITIONAL DETAILS FOR BEDDING AND BACKFILL.  
**TYPICAL TRENCH SECTION FOR DUCTILE IRON PIPE**  
NOT TO SCALE  
**DETAIL "A"**  
PAGE 2 OF 2



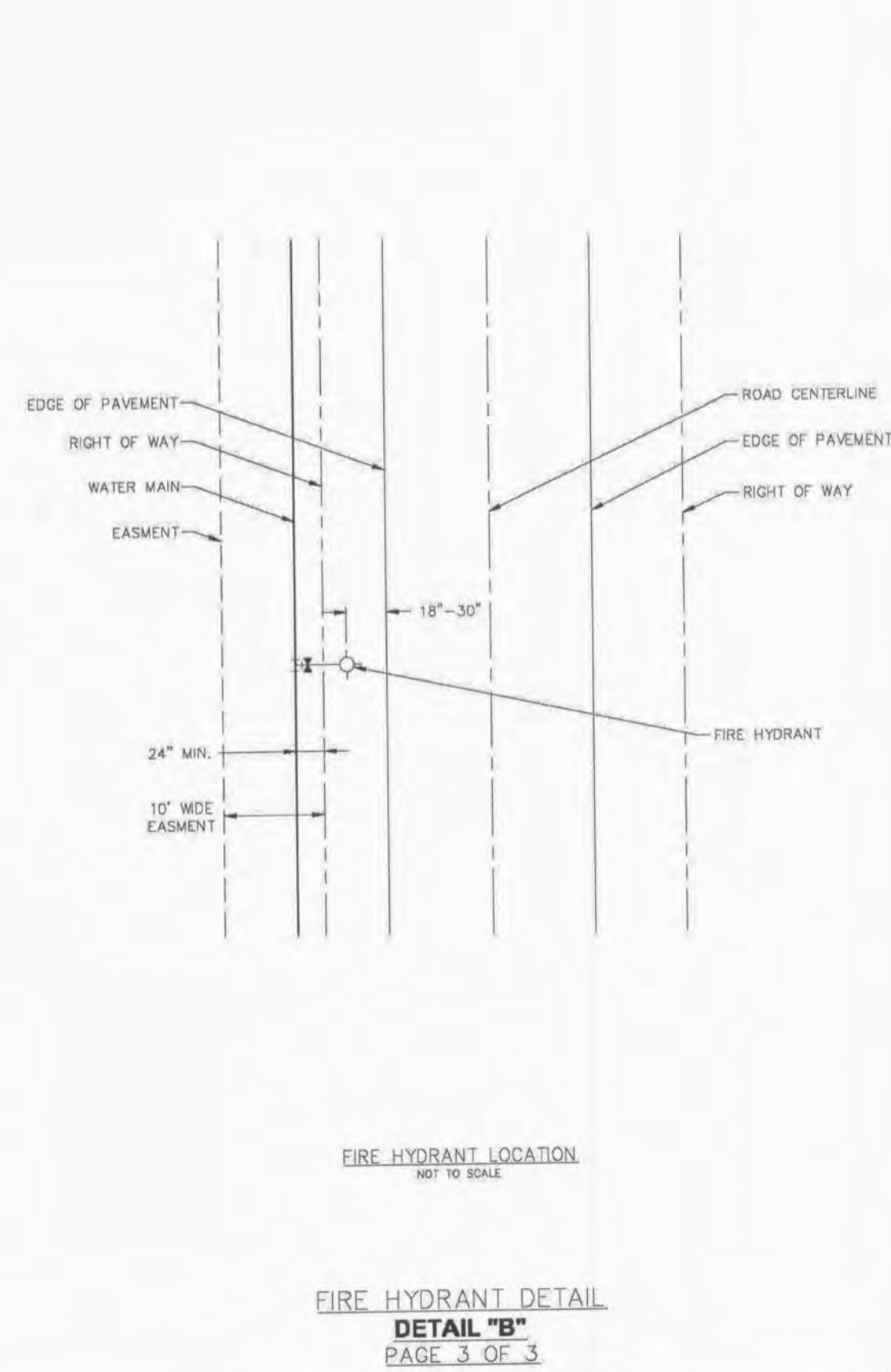
**NOTES**  
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**SECTION "A-A"**  
NOT TO SCALE  
**FIRE HYDRANT DETAIL**  
**DETAIL "B"**  
PAGE 1 OF 3

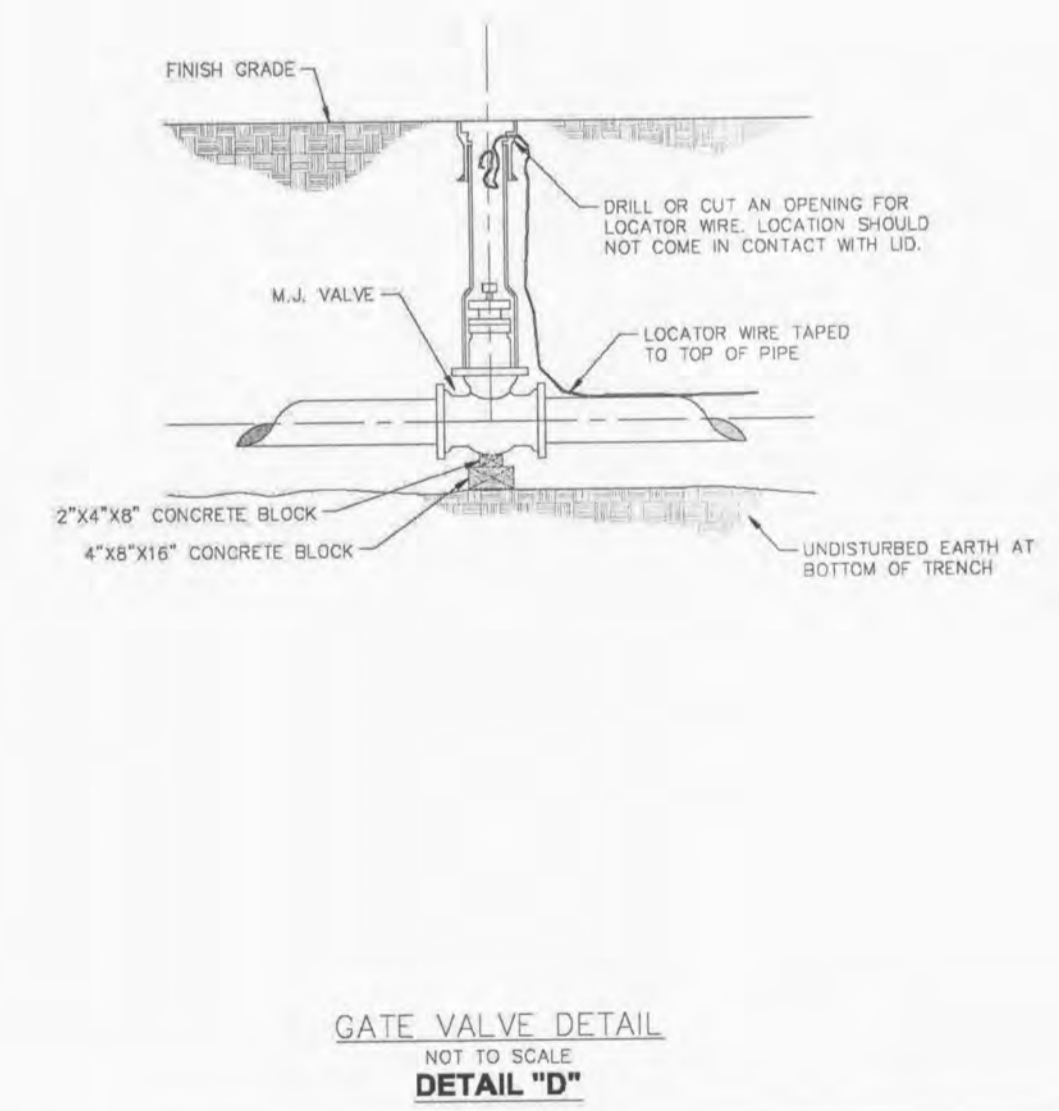
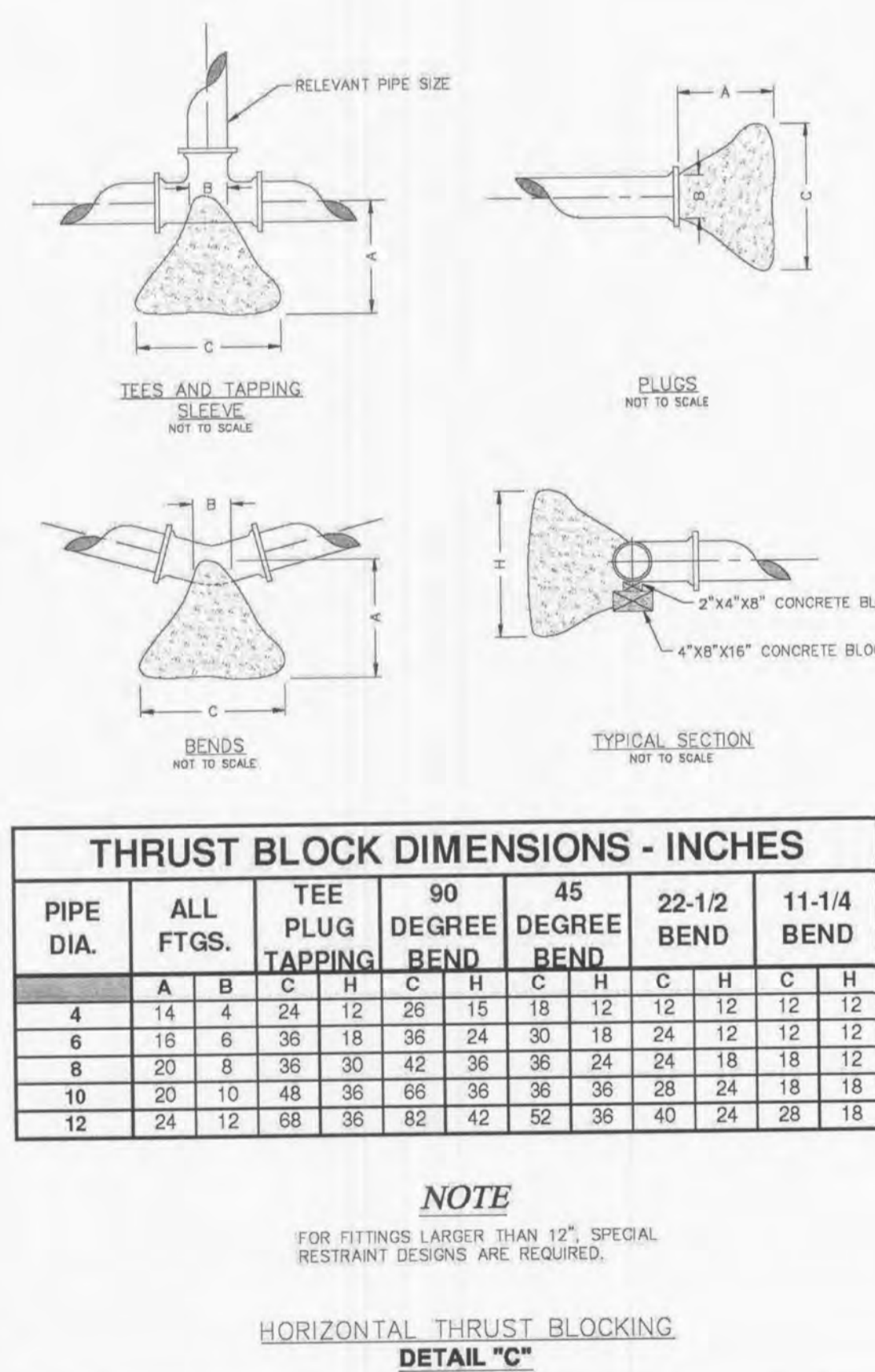


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**SECTION "A-A"**  
NOT TO SCALE  
**FIRE HYDRANT DETAIL**  
**DETAIL "B"**  
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**FIRE HYDRANT LOCATION**  
NOT TO SCALE  
**FIRE HYDRANT DETAIL**  
**DETAIL "B"**  
PAGE 3 OF 3



**GATE VALVE DETAIL**  
NOT TO SCALE  
**DETAIL "D"**

Developer / Owner Information

McBride Wyndgate, LLC  
16091 Swingley Ridge Road, Suite 300  
Chesterfield, Missouri 63071

P+Z No. 3203

City No. 14-123-8P

Page No.

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City of D'Fallon Number 14-123-S

PROJECT TITLE

WYNDGATE VILLAGE D  
FLAT TWO

PICKETT, RAY & SILVER, INC.  
CIVIL ENGINEERING, LAND SURVEYING,  
AND NATURAL RESOURCES SERVICES  
St. Charles  
110 West Adams, Suite 201  
St. Peters, MO 63276

ENGINEER'S AUTHENTICATION  
THE RESPONSIBILITY FOR PROFESSIONAL ENGINEERING LIABILITY ON THIS PROJECT IS HEREBY LIMITED TO THE SET OF PLANS AUTHENTICATED BY THE SEAL, SIGNATURE, AND DATE HEREINAFTER ATTACHED. RESPONSIBILITY IS DISCLAIMED FOR ALL OTHER ENGINEERING PLANS INCLUDED IN THIS PROJECT AND SPECIFICALLY EXCLUDES REVISIONS AFTER THIS DATE UNLESS REAUTHENTICATED.  
PICKETT, RAY & SILVER, INC.  
NO LICENSE #000202

STATE OF MISSOURI  
JULIUS S. TEMANN  
ENGINEER  
LICENSE NUMBER  
E-23345  
PROFESSIONAL ENGINEER LICENSE E-23345

CITY OF OFALLON - PWSB No. 2 of St. Charles County Details

PRF No. 01267/MC90.02R

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