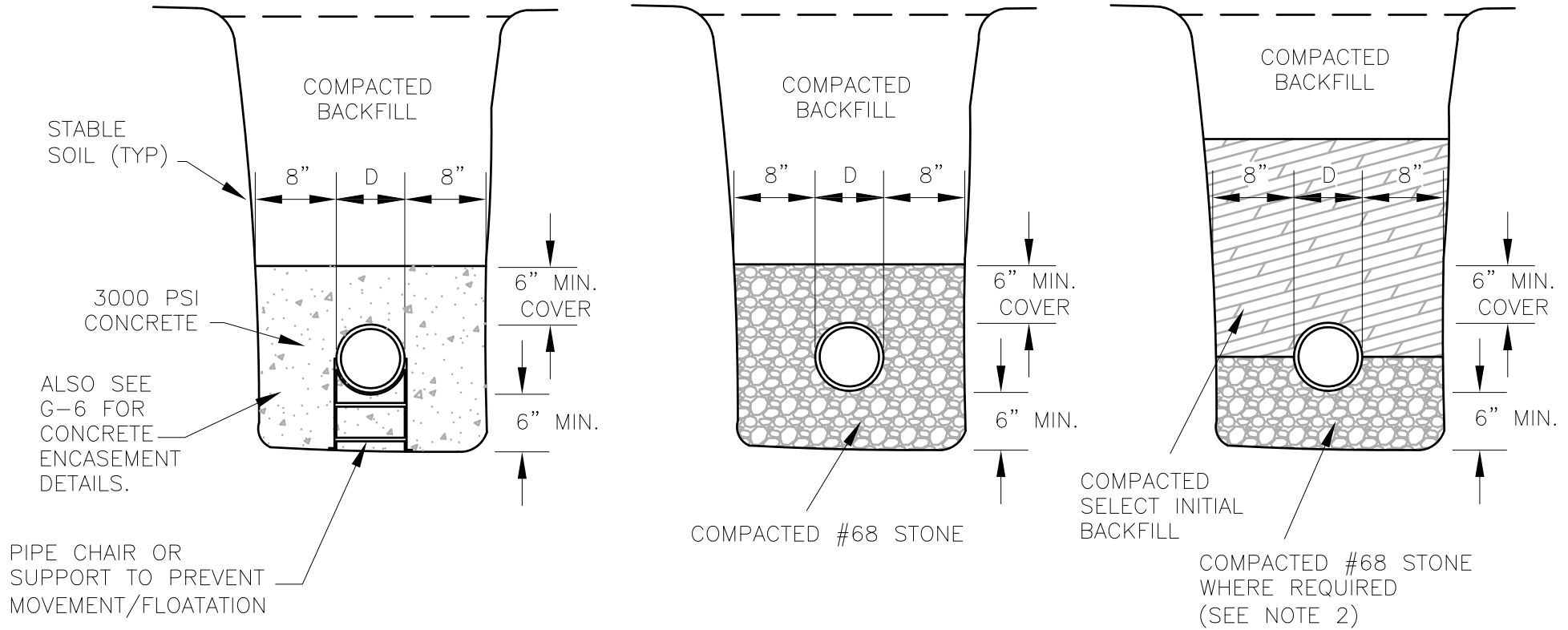


PVC/DUCTILE IRON PIPE  
INSTALLATION FOR  
STREAM/RIVER CROSSING,  
UNSTABLE SOILS OR  
HIGH WATER TABLE  
JOINTS IN ENCASEMENT  
SHALL BE RESTRAINED

GRAVITY PVC PIPE INSTALLATION  
GRAVITY DUCTILE IRON PIPE INSTALLATION

DUCTILE IRON PIPE  
FORCE MAIN INSTALLATION



NOTES:

1. BELL HOLES WHERE APPLICABLE SHALL BE PROVIDED FOR EACH JOINT TO ALLOW JOINT ASSEMBLY AND TO ENSURE THAT THE PIPE BARREL WILL BE FLAT ON TRENCH BOTTOM.
2. FOR DUCTILE IRON FORCE MAIN INSTALLATION, STONE BEDDING IS NOT REQUIRED WHEN PIPE PLACED ON STABLE SOIL. TRENCH BOTTOM SHALL BE SCRAPED, ALL STONES REMOVED, AND COMPACTED. PIPE SHALL NOT BE ALLOWED TO REST ON ROCK.

**AUGUSTA COUNTY SERVICE AUTHORITY  
VERONA, VIRGINIA**

SCALE: NTS

DRAWN BY: ACSA

DATE: FEB. 1996

REVISED: FEB. 2021

**TYPICAL SEWER PIPE  
INSTALLATION IN TRENCH**

DRAWING NUMBER: S-1

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