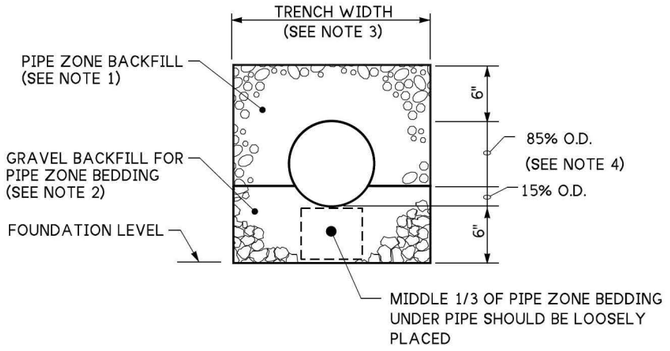
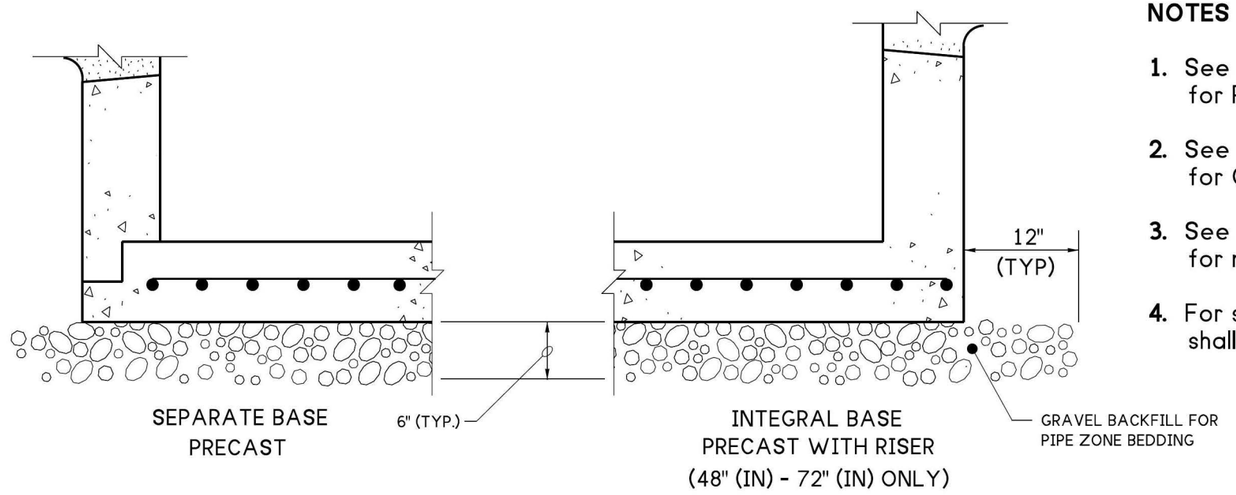



**CONCRETE AND DUCTILE IRON PIPE DETAIL**

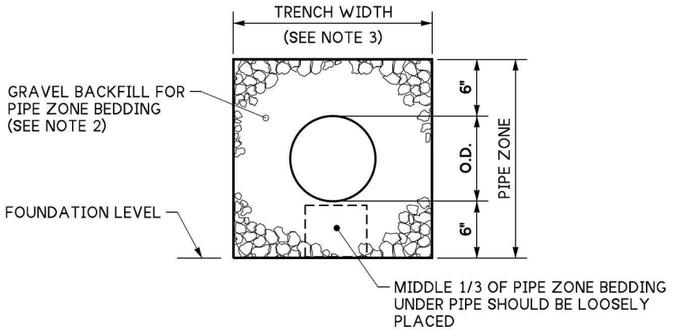



**TYPICAL CONDITION FOR DRAINAGE STRUCTURE**

THIS DETAIL APPLIES TO **STANDARD PLANS B-5.20, B-5.40, B-5.60,** B-10.20, **B-10-40, B-15.20, B-15.40, B-15.60, B-25.20, B-25.60, B-35.20** AND **B-35.40**

## NOTES

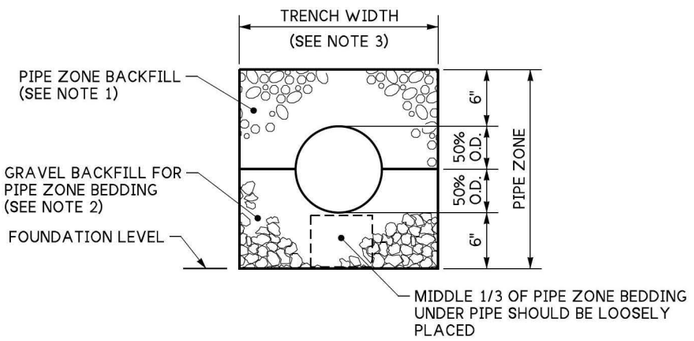
1. See **Standard Specifications Section 7-08.3(3)** for Pipe Zone Backfill.
2. See **Standard Specifications Section 9-03.12(3)** for Gravel Backfill for Pipe Zone Bedding.
3. See **Standard Specifications Section 3-07.4** for measurement of trench width.
4. For sanitary sewer installation, concrete pipe shall be embedded into spring line.




**THERMOPLASTIC PIPE DETAIL**




**PIPE ARCHES DETAIL**




**METAL AND STEEL RIB REINFORCED POLYETHELENE PIPE DETAIL**

| CLEARANCE BETWEEN PIPES FOR MULTIPLE INSTALLATIONS | | |
|---|---|---|
| **PIPE** | **SIZE** | **MINIMUM DISTANCE BETWEEN BARRELS** |
| **CIRCULAR PIPE (DIAMETER)** | **UP TO 48"** | **24** |
| **METAL PIPE ARCH (SPAN)** | **48" AND LARGER** | **DIAM./2 OR 36" WHICHEVER IS LESS** |

JULIE HEILMAN
STATE OF WASHINGTON
41819
REGISTERED
PROFESSIONAL ENGINEER

Aug 22, 2026

# PIPE ZONE BEDDING AND BACKFILL

## STANDARD PLAN B-55.20-04

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

Aug 24, 2026

STATE DESIGN ENGINEER

Washington State Department of Transportation