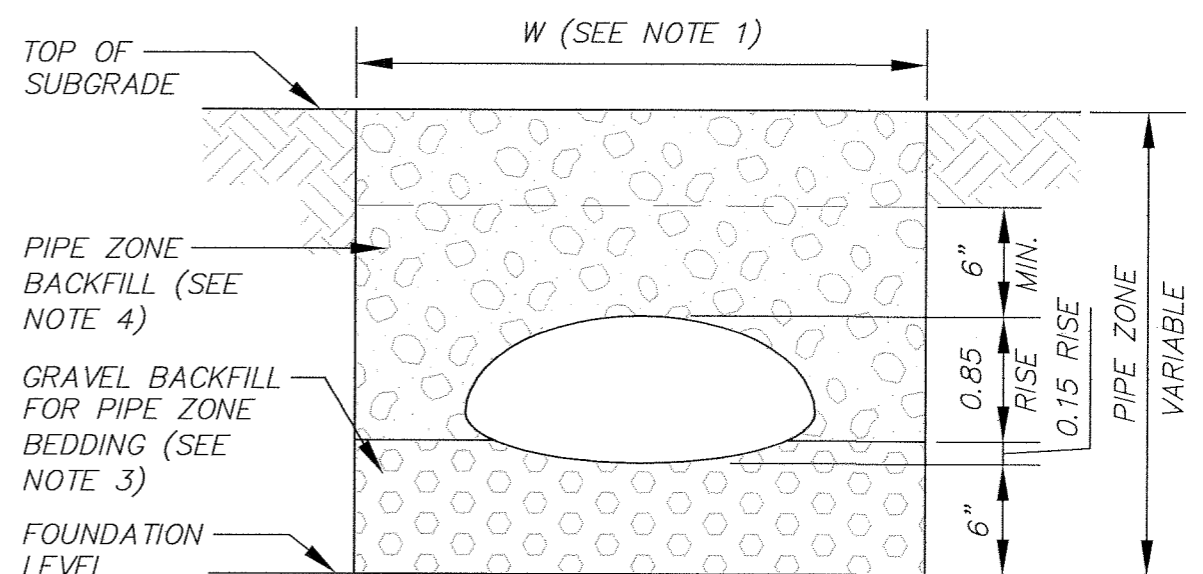
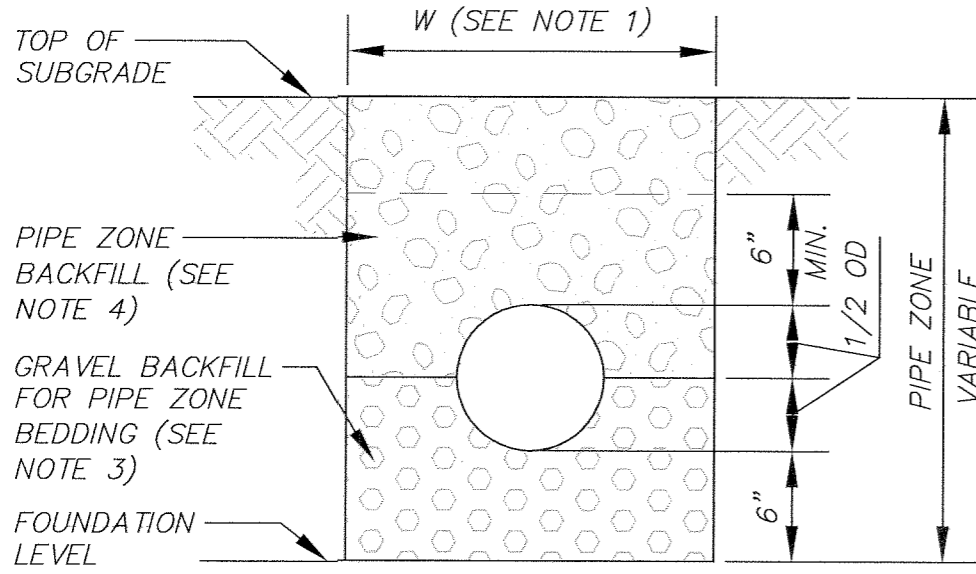


**THERMOPLASTIC PIPE**

CLEARANCE BETWEEN PIPES FOR MULTIPLE INSTALLATIONS		
PIPE	SIZE	MINIMUM DISTANCE BETWEEN BARRELS
CIRCULAR PIPE (DIAMETER)	12" TO 24"	12"
	30" TO 96" 102" TO 180"	DIAMETER / 2 48"
PIPE ARCH METAL ONLY (SPAN)	18" TO 36" 43" TO 142" 148" TO 200"	12" SPAN / 3 48"

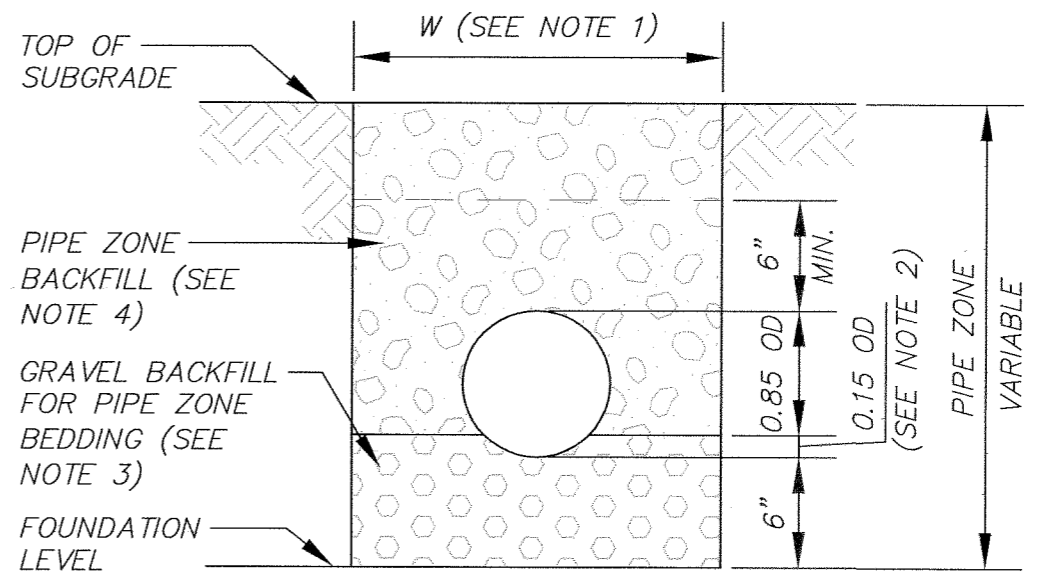


**PIPE ARCHES**



**METAL PIPE**

- NOTES:**
- 1) TRENCH WIDTH SHALL BE IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATIONS SECTION 2-09.4.
  - 2) FOR SANITARY SEWER INSTALLATION, CONCRETE PIPE SHALL BE BEDDED TO SPRING LINE.
  - 3) GRAVEL BACKFILL FOR PIPE ZONE BEDDING SHALL BE IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATIONS SECTION 9-03.12(3).
  - 4) PIPE ZONE BACKFILL SHALL BE IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATIONS SECTION 7.08.3(3).



**CONCRETE AND DUCTILE IRON PIPE**

(NOT TO SCALE)



**Pierce County**

Department of Public Works and Utilities  
Transportation Services  
2702 South 42nd Street, Suite 201  
Tacoma, Washington 98409-7322

DATE	REVISION	APPROVED	DRAWN



**BRIAN D. STACY, P.E.**  
**COUNTY ENGINEER**

EXPIRES: 11/18/06

Office of County Engineer

**PIPE ZONE BEDDING  
AND BACKFILL**

**PC.B9**