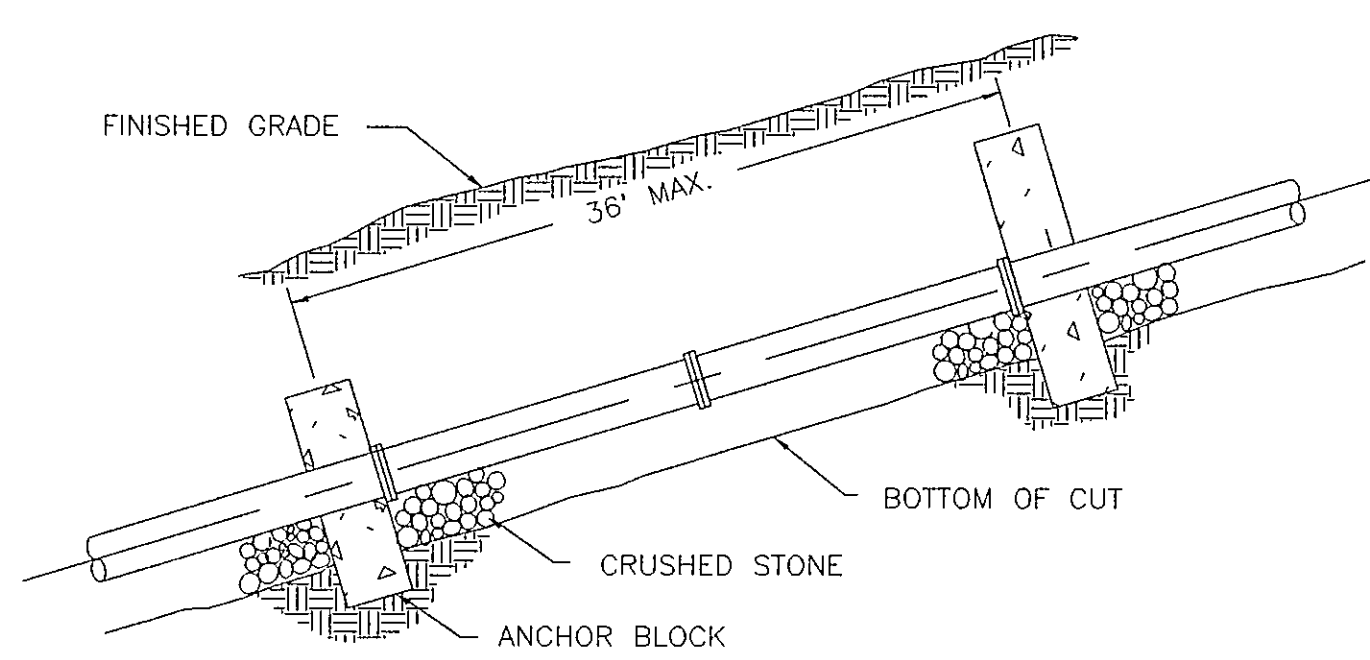
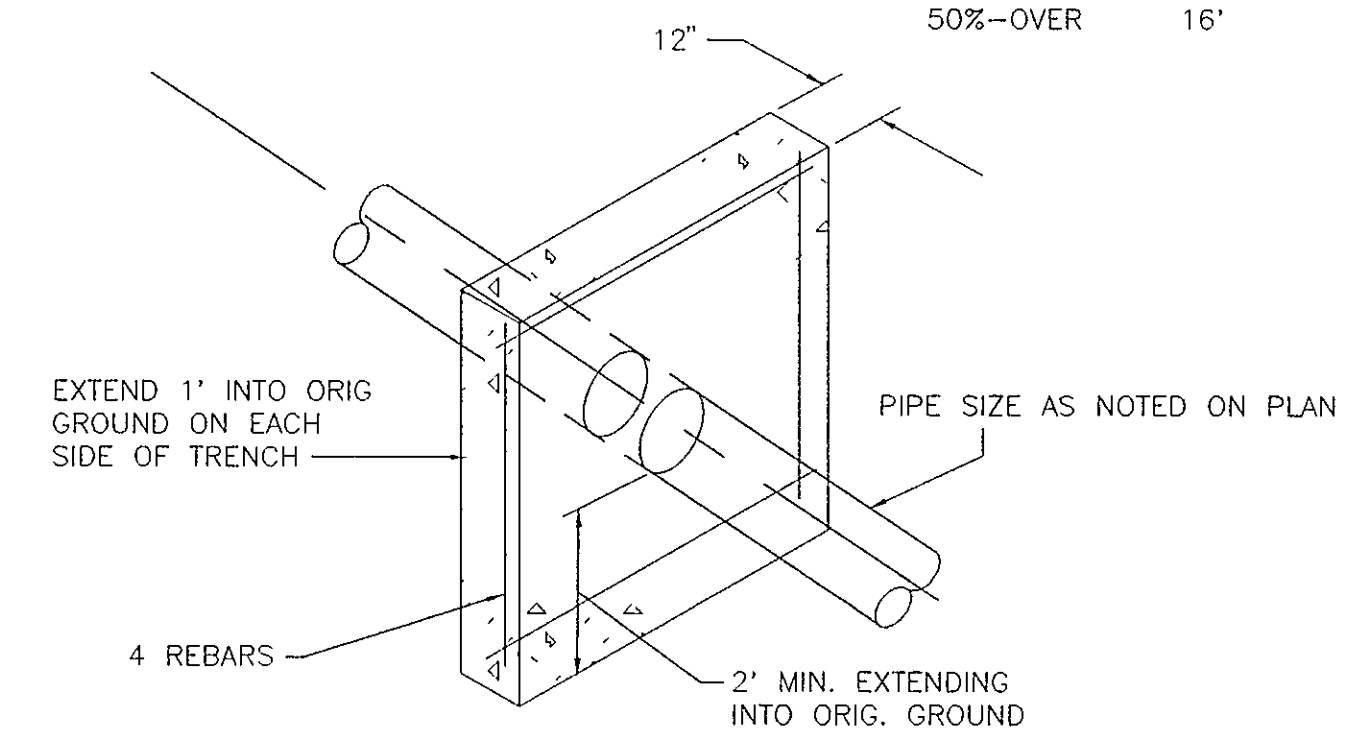


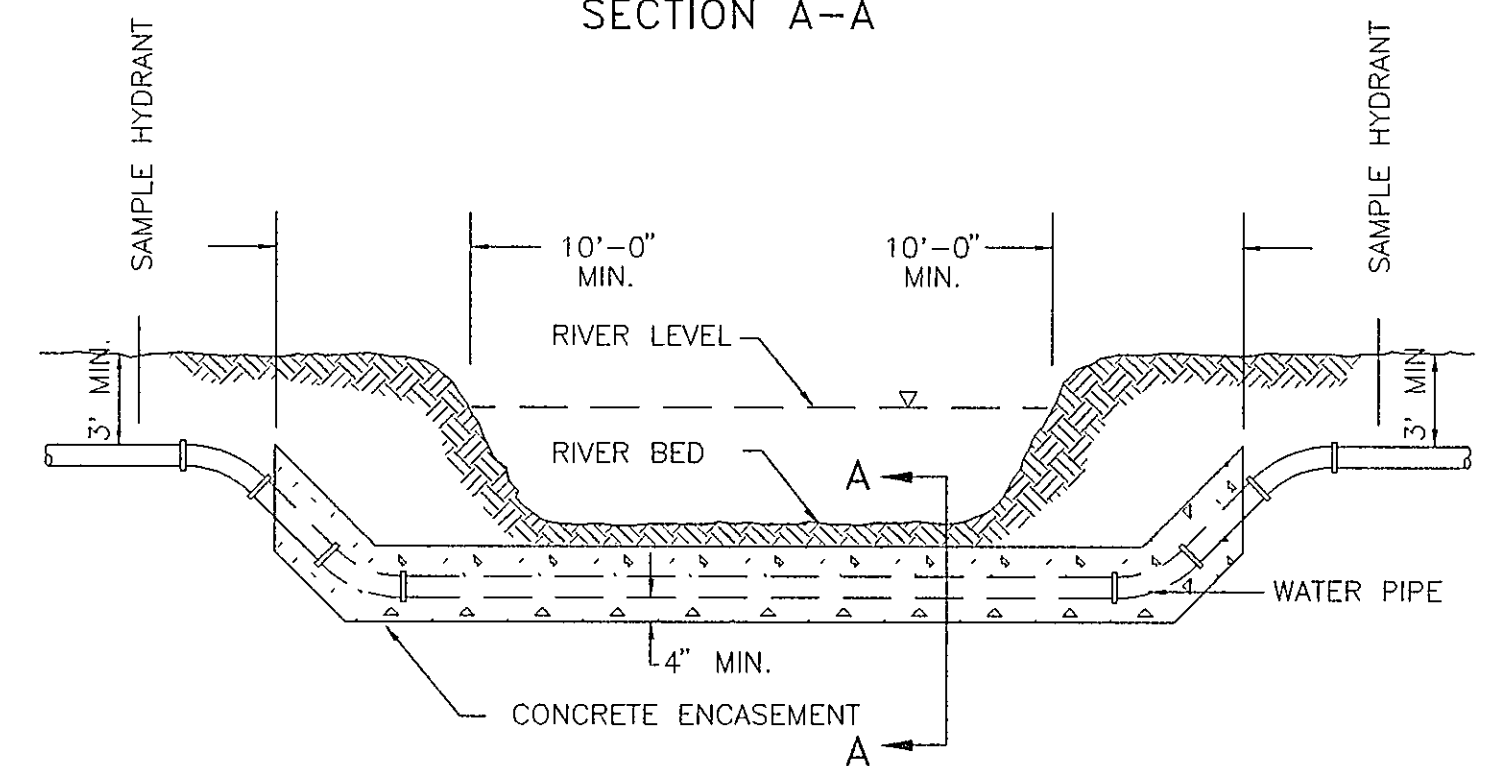
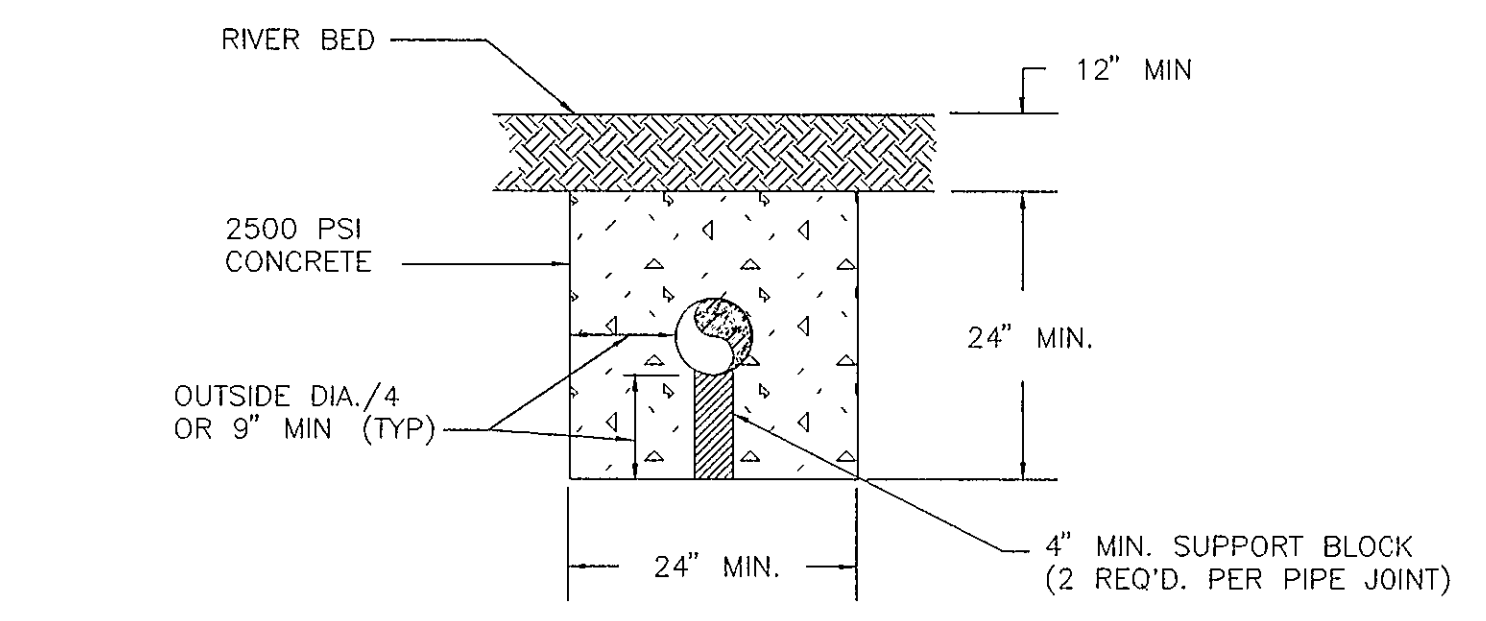
MAJOR DIVISIONS			LETTER SYMBOL	TYPICAL DESCRIPTIONS
Coarse Grained Soils More than 50% of Material by Weight is Coarser than No. 200 Sieve Size	Gravel and Gravelly Soils More than 50% of Coarse Fraction Retained on No. 4 Sieve	Clean Gravels 0–5% Fines ⁺	GW	Fully–Graded Gravels, Gravel–Sand Mixtures, Little or No Fines
		Gravels with Fines >12% Fines ⁺	GP	Gap or Uniform–Graded Gravels, Gravel–Sand Mixtures, Little or No Fines
			GM	Silty Gravels, Gravel–Sand Silt Mixtures
	Sand and Sandy Soils More than 50% of Coarse Fraction Passing No. 4 Sieve	Clean Sand 0–5% fines ⁺	GC	Clayey Gravels, Gravel–Sand–Clay Mixtures
			SW	Well–Graded Sands, Gravelly Sands, Little or No Fines
		Sands with Fines >12% Fines	SP	Gap or Uniform Graded Sands, Gravelly Sands, Little or No Fines
SM	Silty Sands, Sand–Silt Mixtures			
Fine Gravels Soils More than 50% of Material by Weight is Finer than No. 200 Sieve Size	Silt and Clays Low Compressibility Liquid Limit Less than 50%		SC	Clayey Sands, Sand–Clay Mixtures
			ML	Inorganic Silts and Very Fine Sands, Rock Flour, Silty or Clayey Fine Sands or Clayey Silts with Slight Plasticity
			CL	Inorganic Clays of Low to Medium Plasticity, Gravelly Clays, Sandy Clays, Silty Clays
	Silt and Clays High Compressibility Liquid Limit Greater than 50%		OL	Organic Silts and Organic Silty Clays of Low Plasticity
			MH	Inorganic Silts, Micaceous or Diatomaceous Fine Sands or Silty Soils
			CH	Inorganic Clays of High Plasticity
Highly Organic Soils		OH	Organic Clays of Medium to High Plasticity, Organic Silts	
		PT	Peat, Humus, Swamp Soils with High Organic Contents	
* For soils having 5 to 12% fines, use dual symbol such as SP–SM				
UNIFIED SOIL CLASSIFICATION SYSTEM				



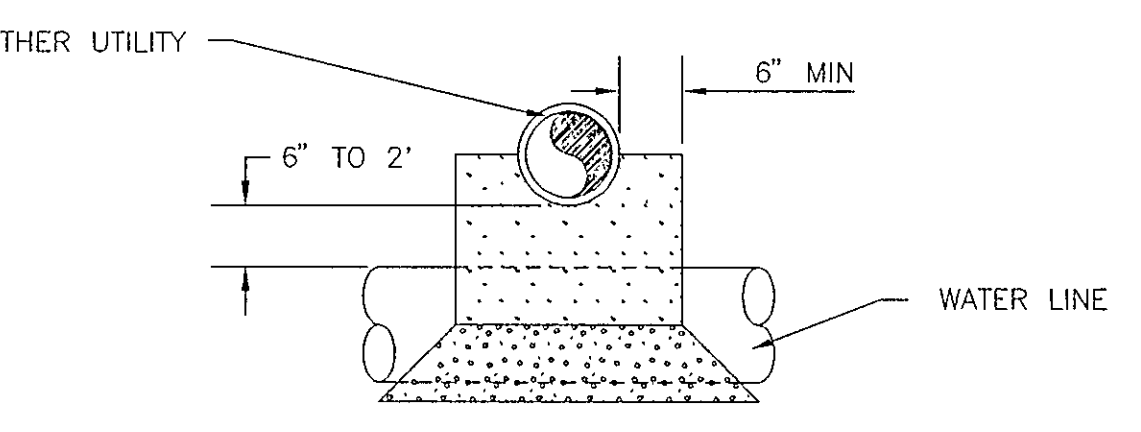
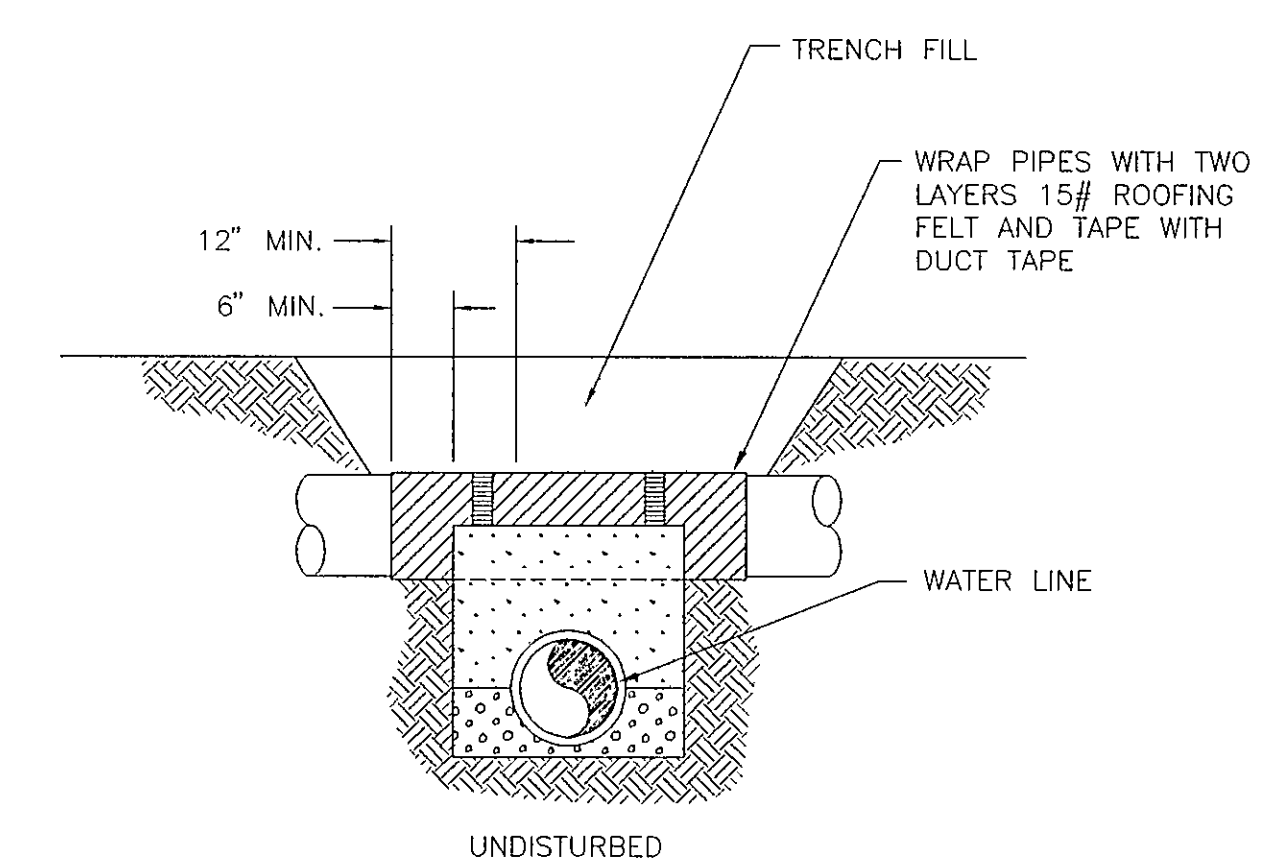
SLOPE	SPACING
20%-35%	36'
35%-50%	24'
50%-OVER	16'



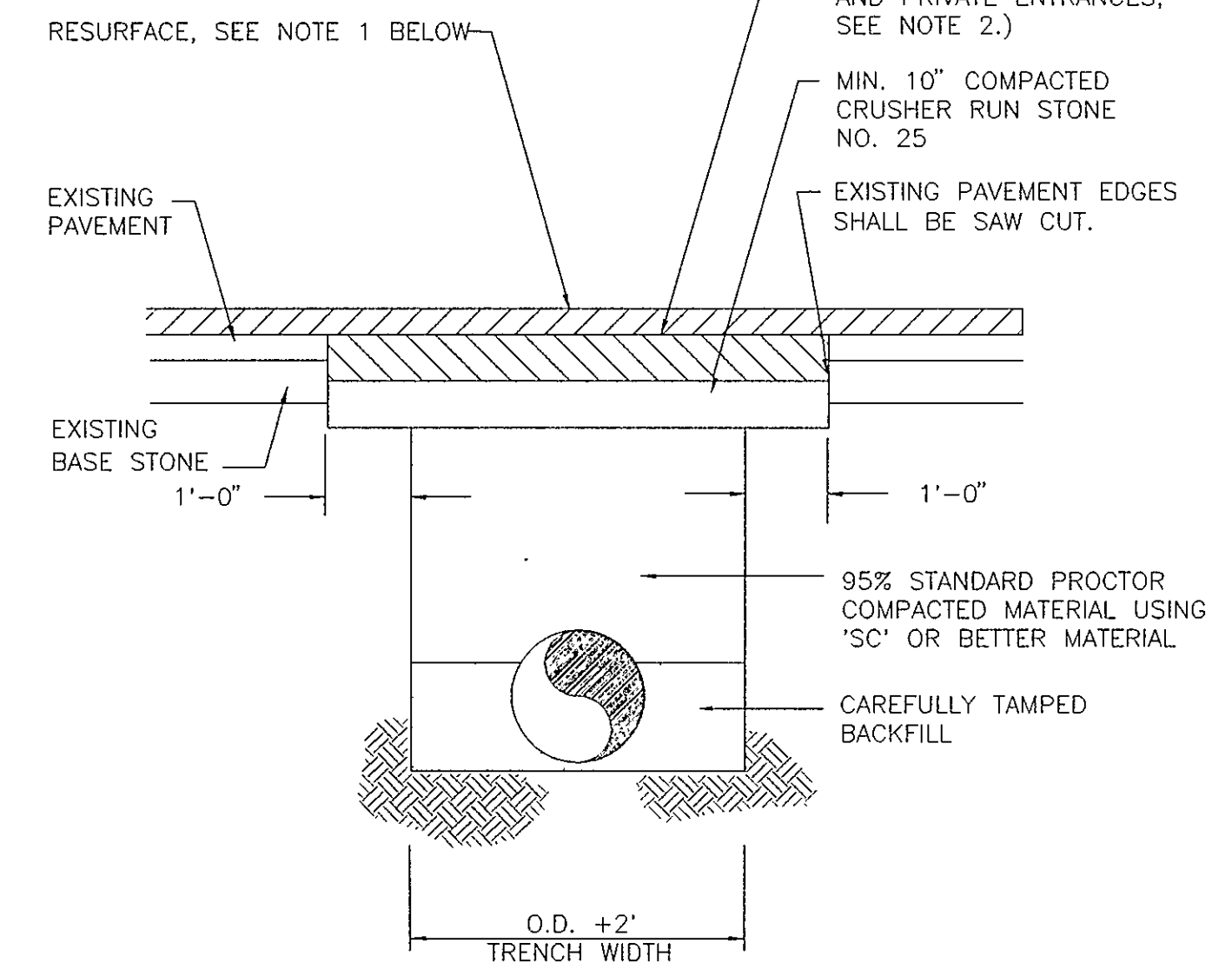
ANCHOR BLOCK DETAIL
NTS



RIVER CROSSING DETAIL
NTS

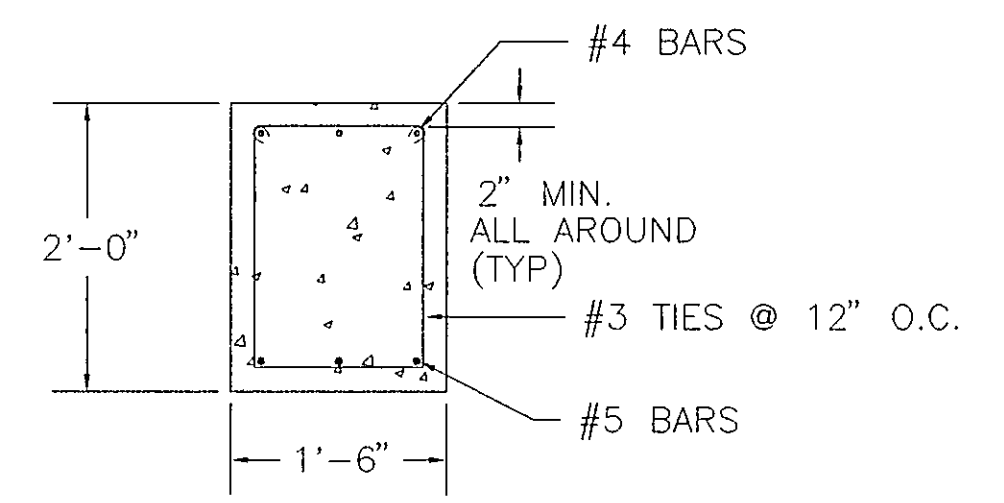
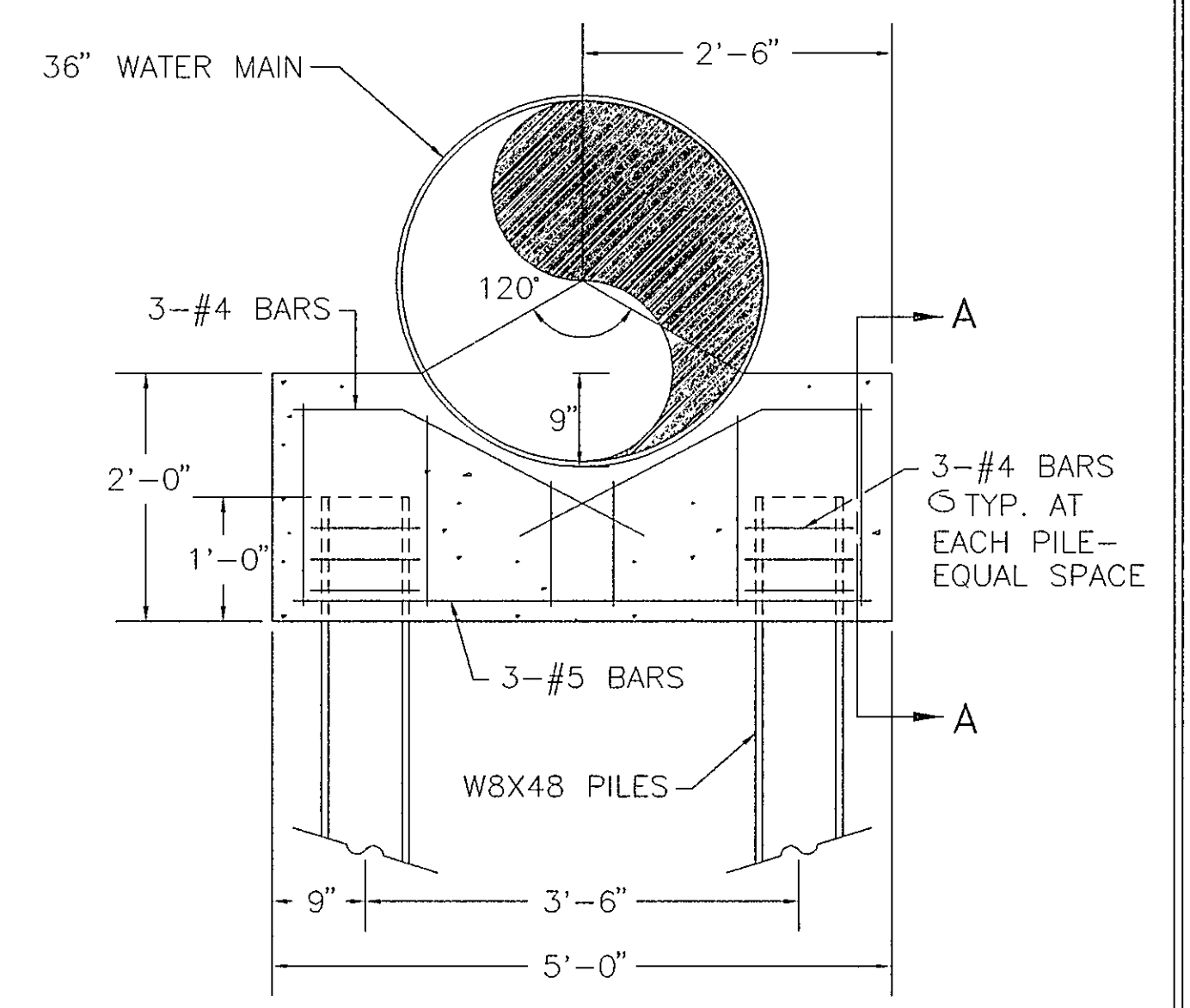


PIPE CROSSING OTHER THAN
SANITARY SEWER
NTS

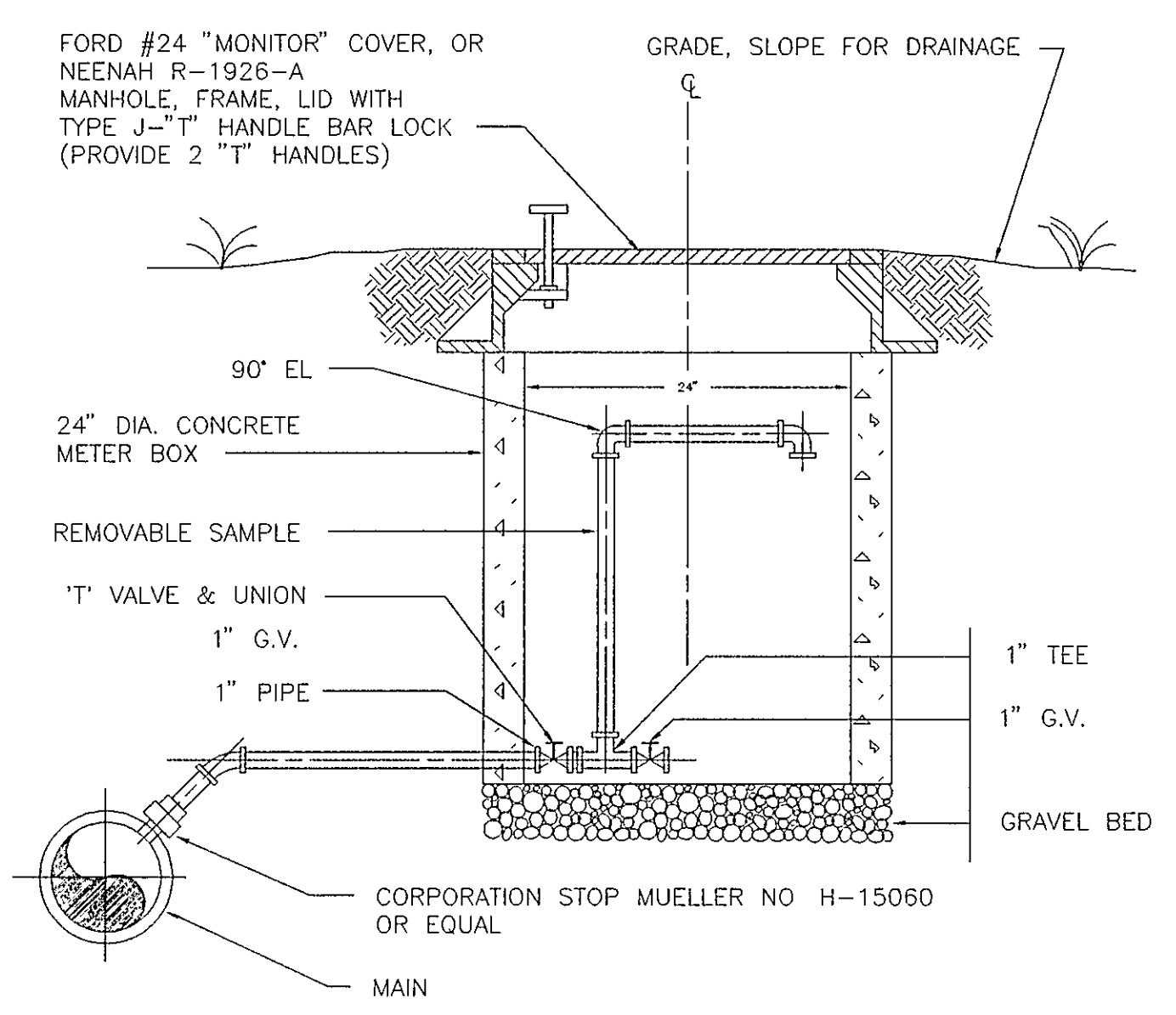


OPEN CUT ROAD and CROSSING DETAIL
NTS

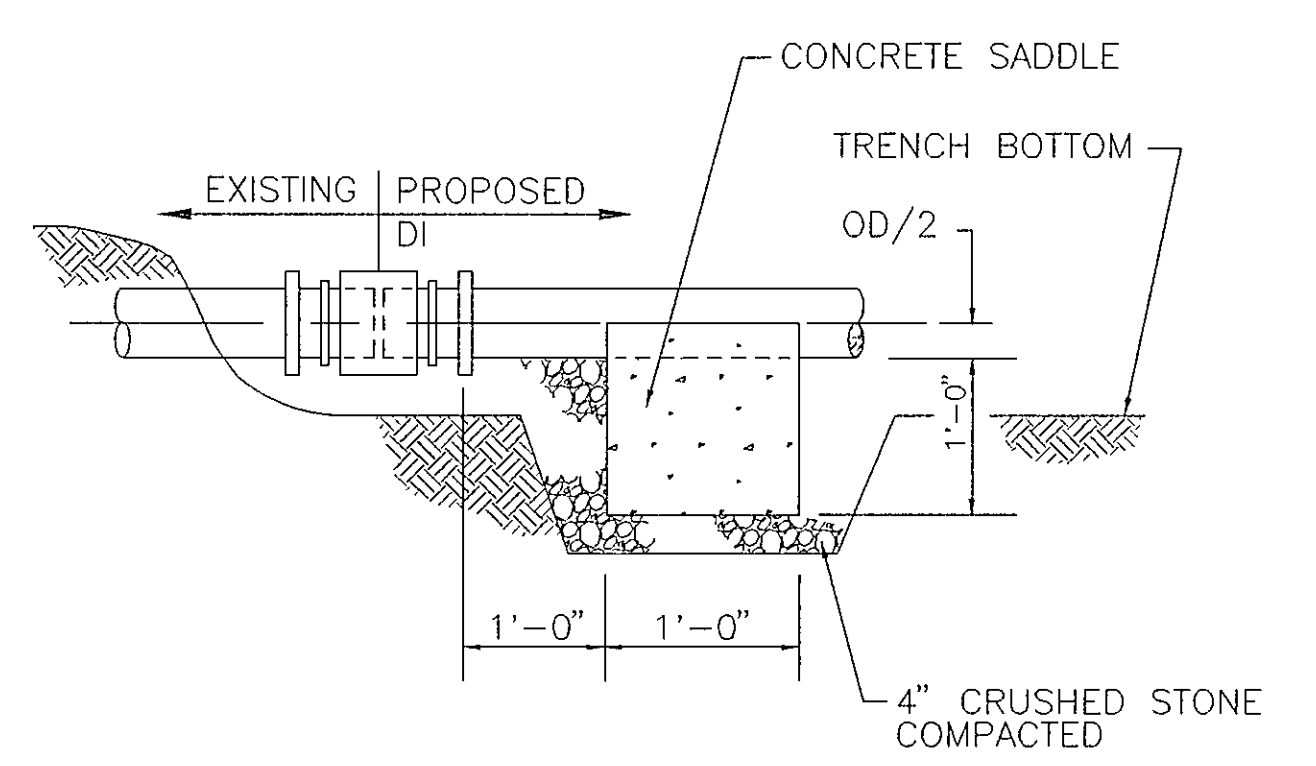
NOTES: 1) ALLPAVED SURFACES OWNED BY THE STATE SHALL BE RESURFACED 25' EACH SIDE OF CUT, AS PER V.D.O.T. SPECIFICATIONS.
2) THIS DETAIL ALSO APPLIES TO ALL PAVED DRIVEWAYS AND ENTRANCES- EXCLUDING 25' RESURFACING EACH WAY
3) WHERE EXISTING SURFACE IS GRAVEL, REPLACEMENT SURFACE TO BE CRUSHER RUN STONE NO. 25



PILE CAP DETAIL
NTS



TYPICAL SAMPLE HYDRANT
NTS



TYPICAL SEWER LINE COUPLING DETAIL
NTS

COUPLING EQUAL TO FERNCO:
SERIES 1051 WHEN EXISTING IS ASBESTOS CEMENT
SERIES 1002 WHEN EXISTING IS VITRIFIED CLAY
SERIES 1006 WHEN EXISTING IS CONCRETE

AS BUILT

WATER DEP'T. #93-25

ENGINEER'S SEAL	ENGINEER'S SEAL

Dewberry & Davis
Architects
Engineers
Planners
Surveyors
5238 Valleypointe Parkway, Suite One-B
Roanoke, Virginia 24019
703 362-7725

Carvins Cove, Phase II
City of Roanoke
Roanoke, Virginia

CONTRACT "C2"
DETAILS

Drawn By ACF
Designed By RBS
Checked By SEH
Date MARCH 93
Scale AS SHOWN
Plan Number C2DTRWL2
Zoned NONE
Sheet 24 of 25
File Number C1160