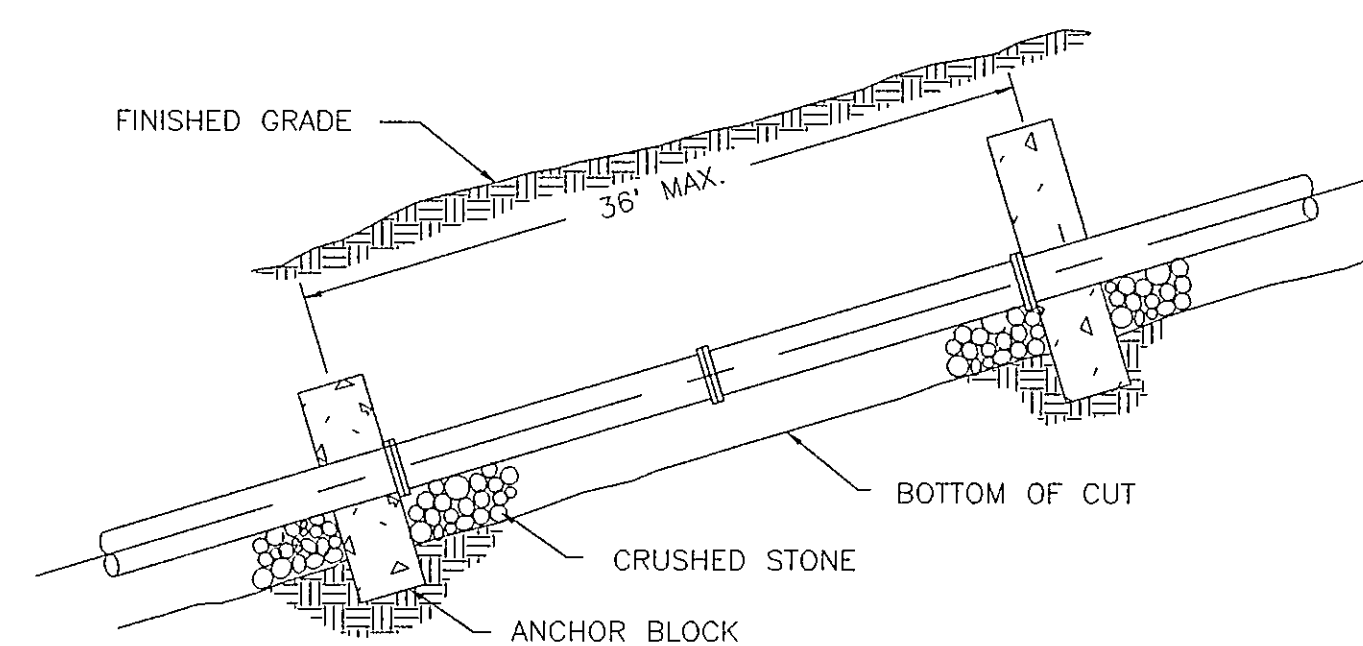
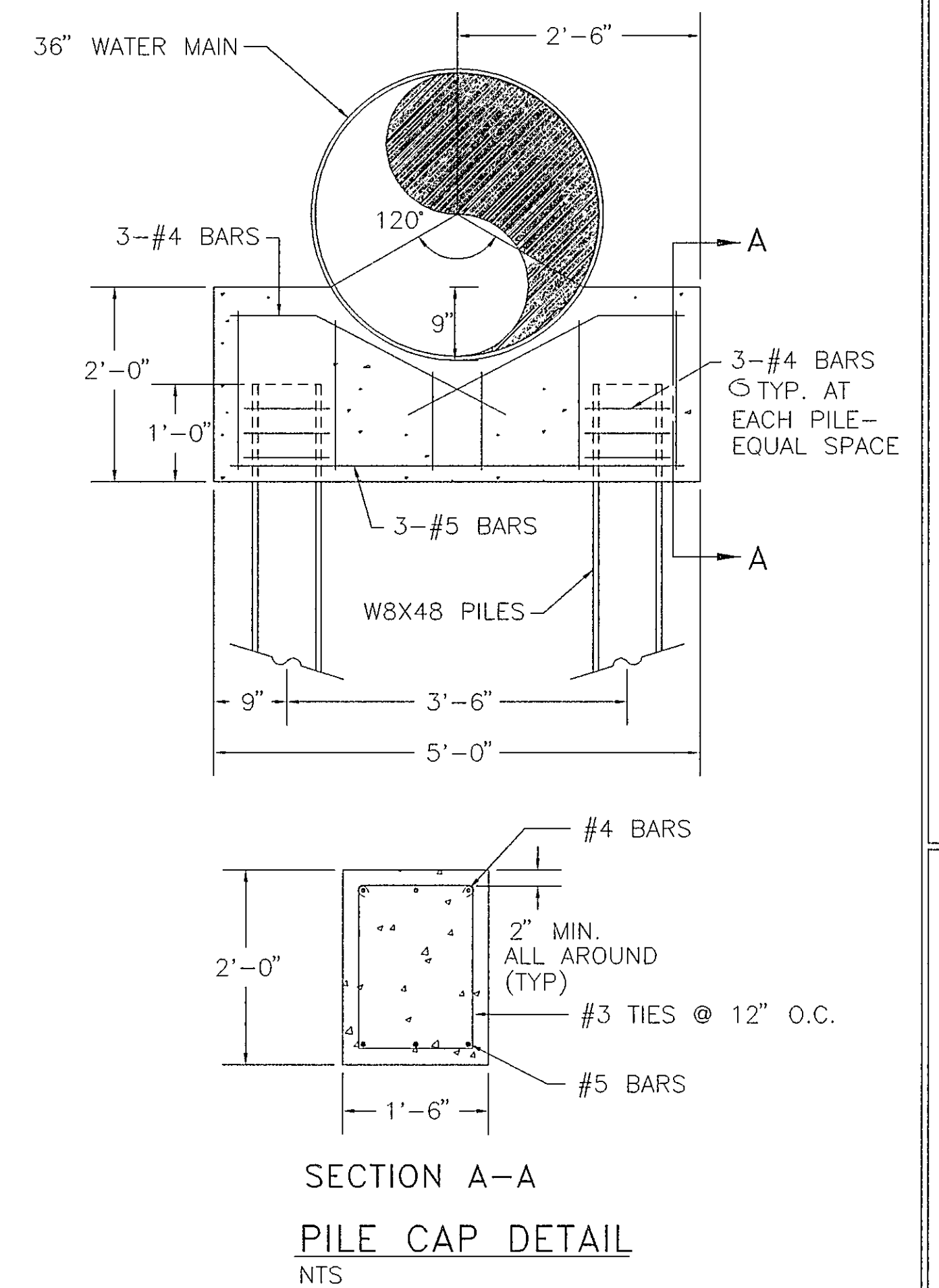
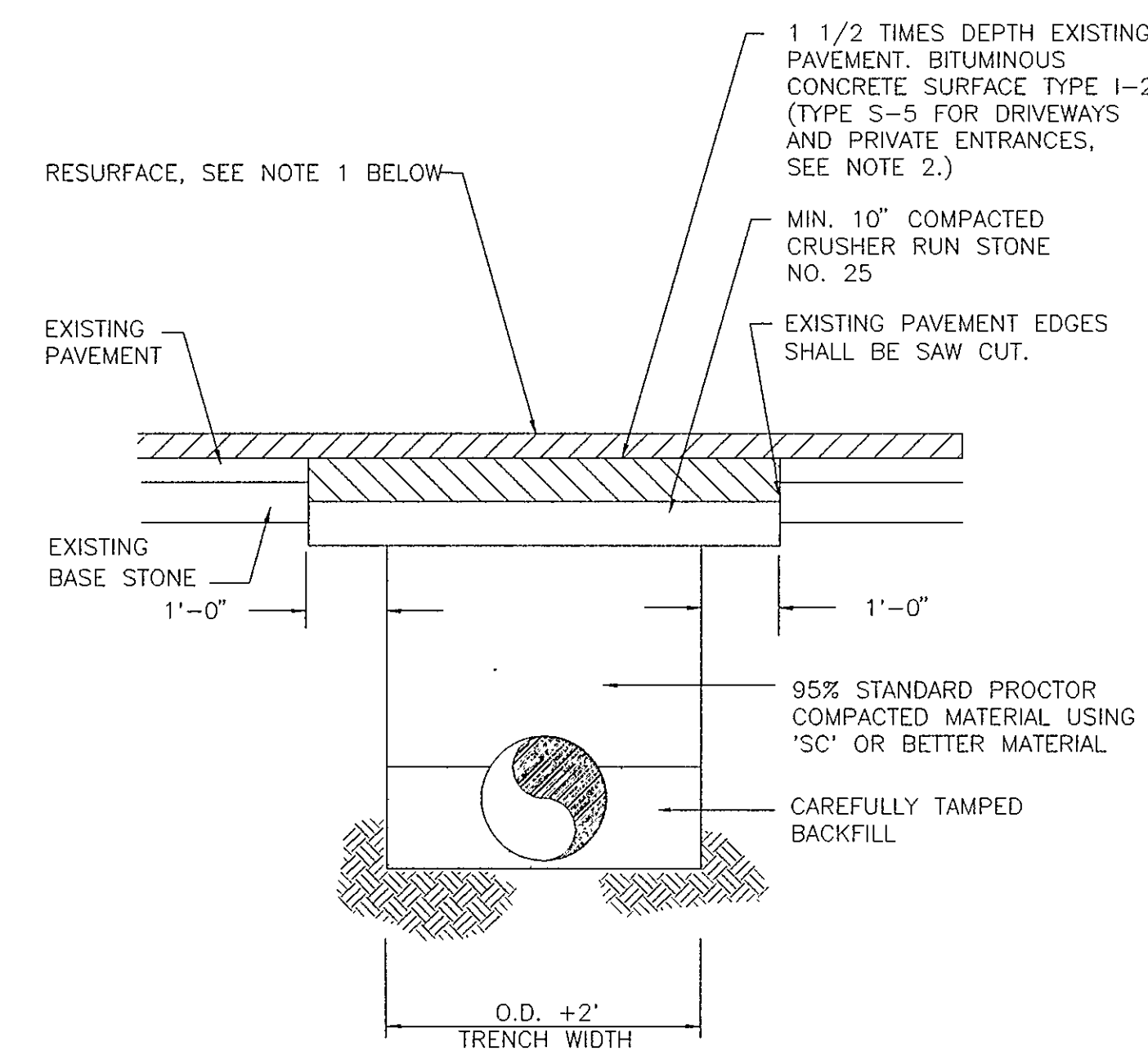
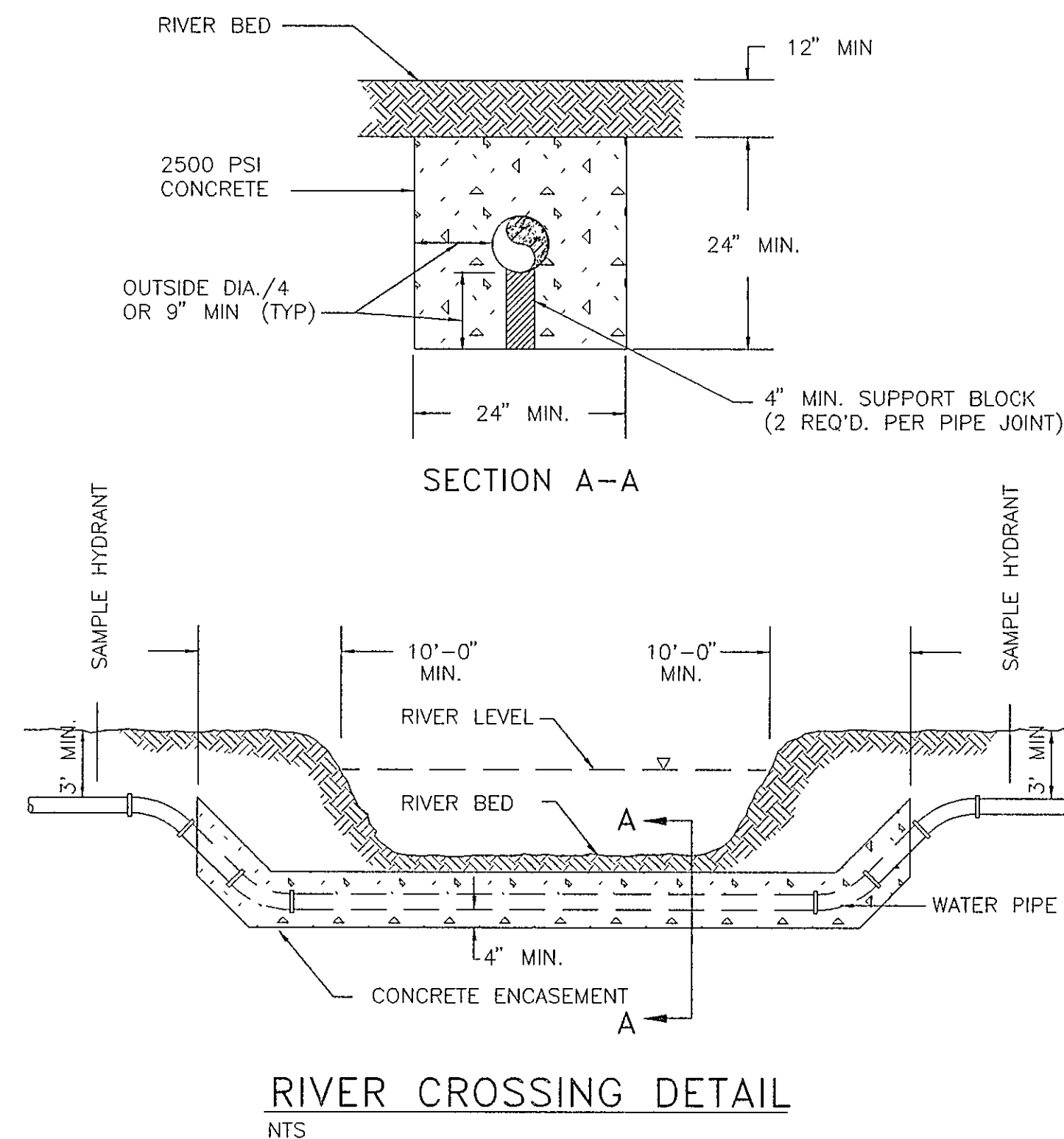
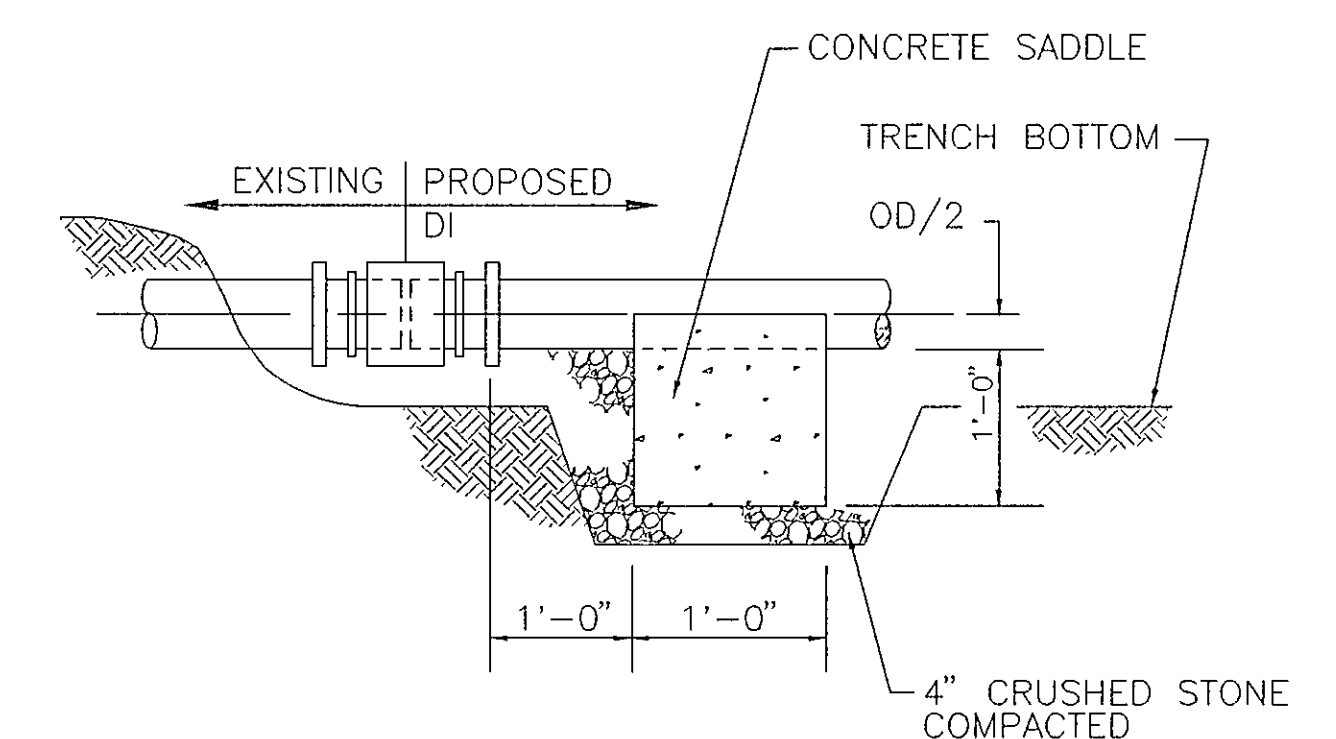
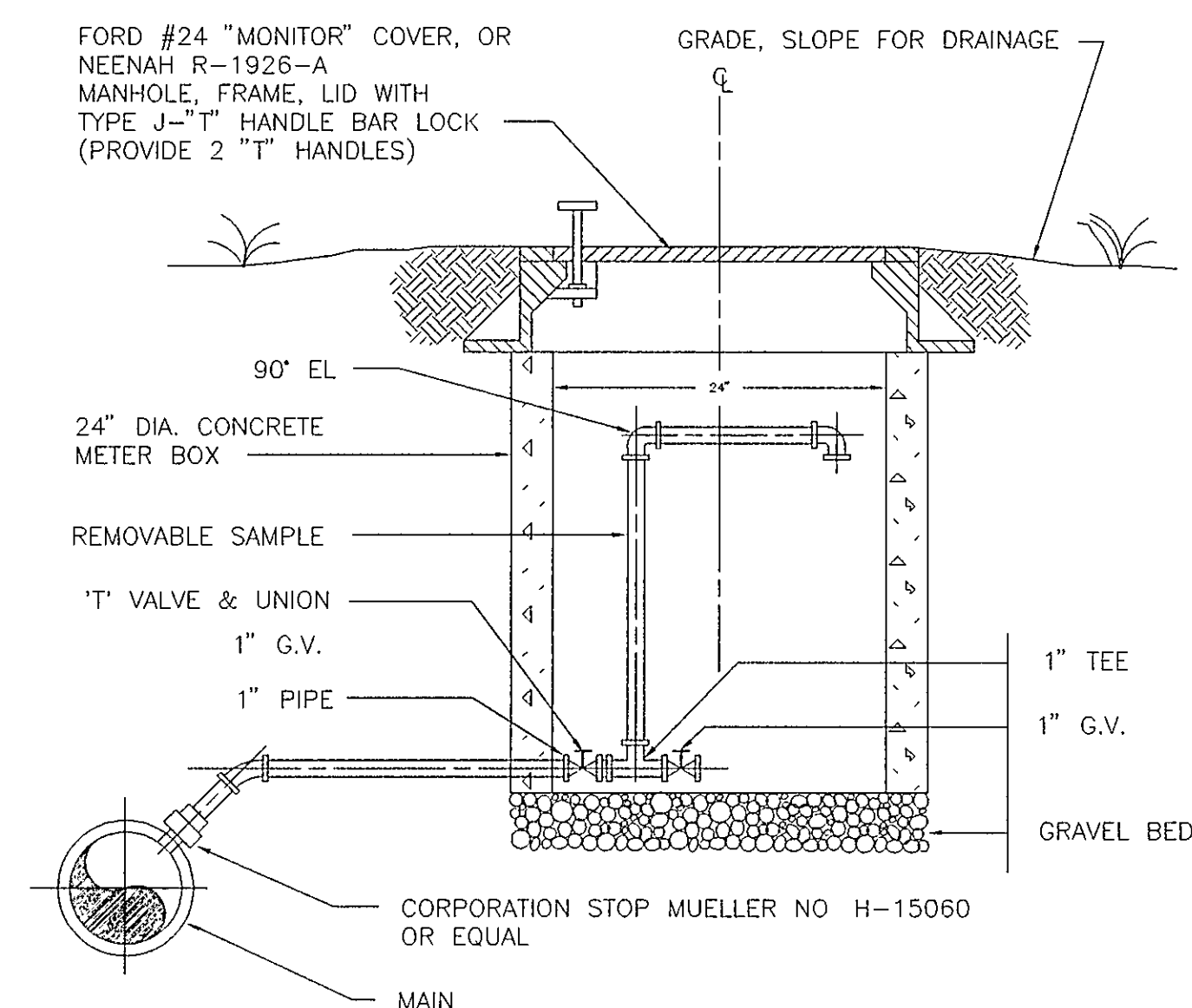
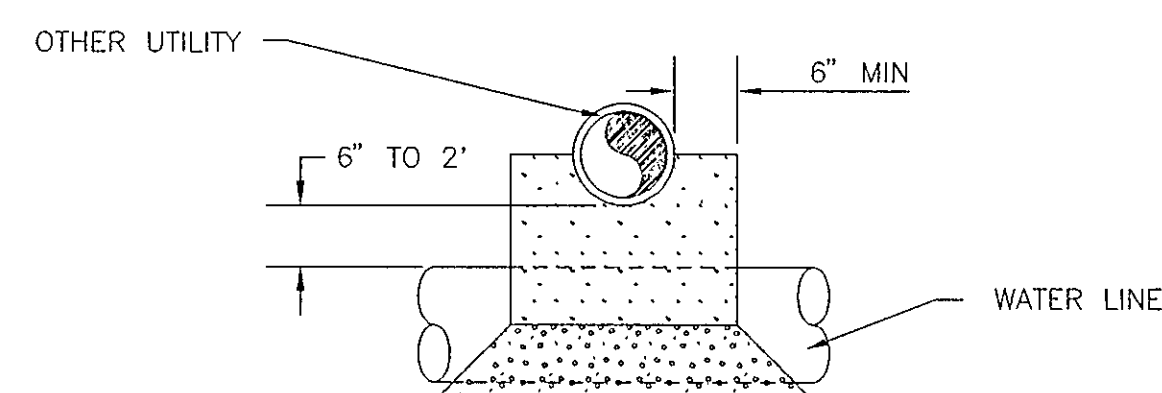
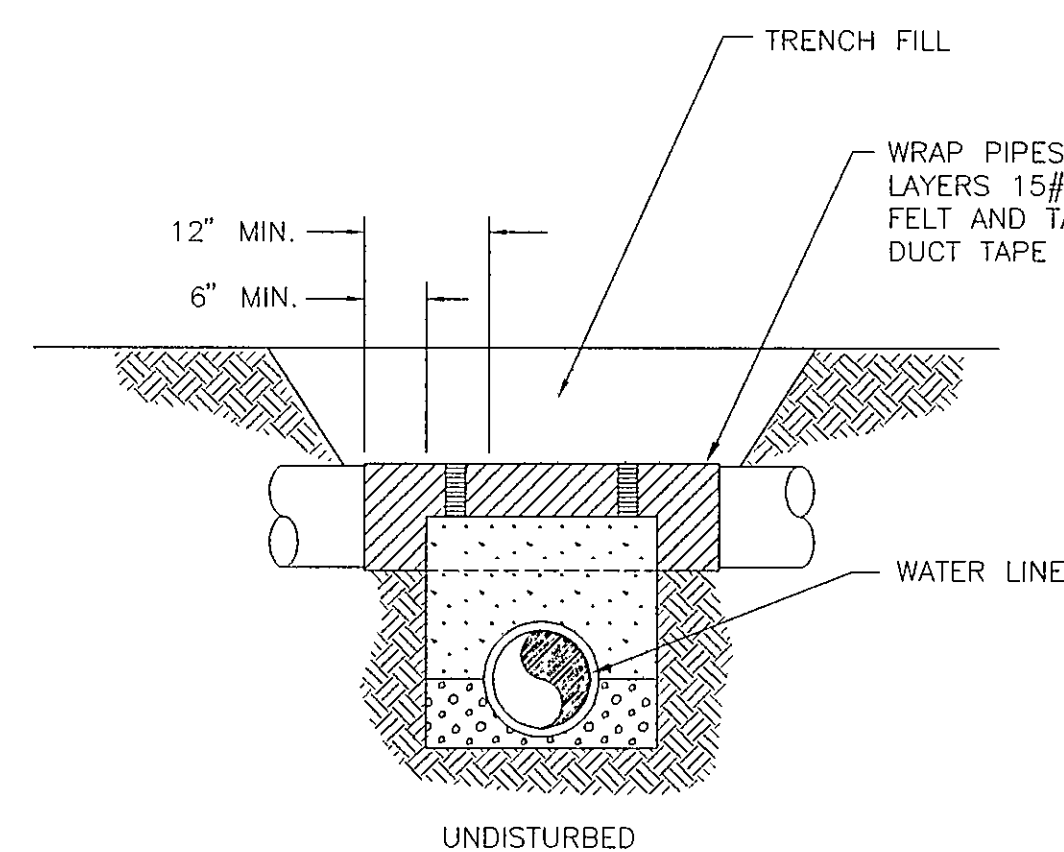
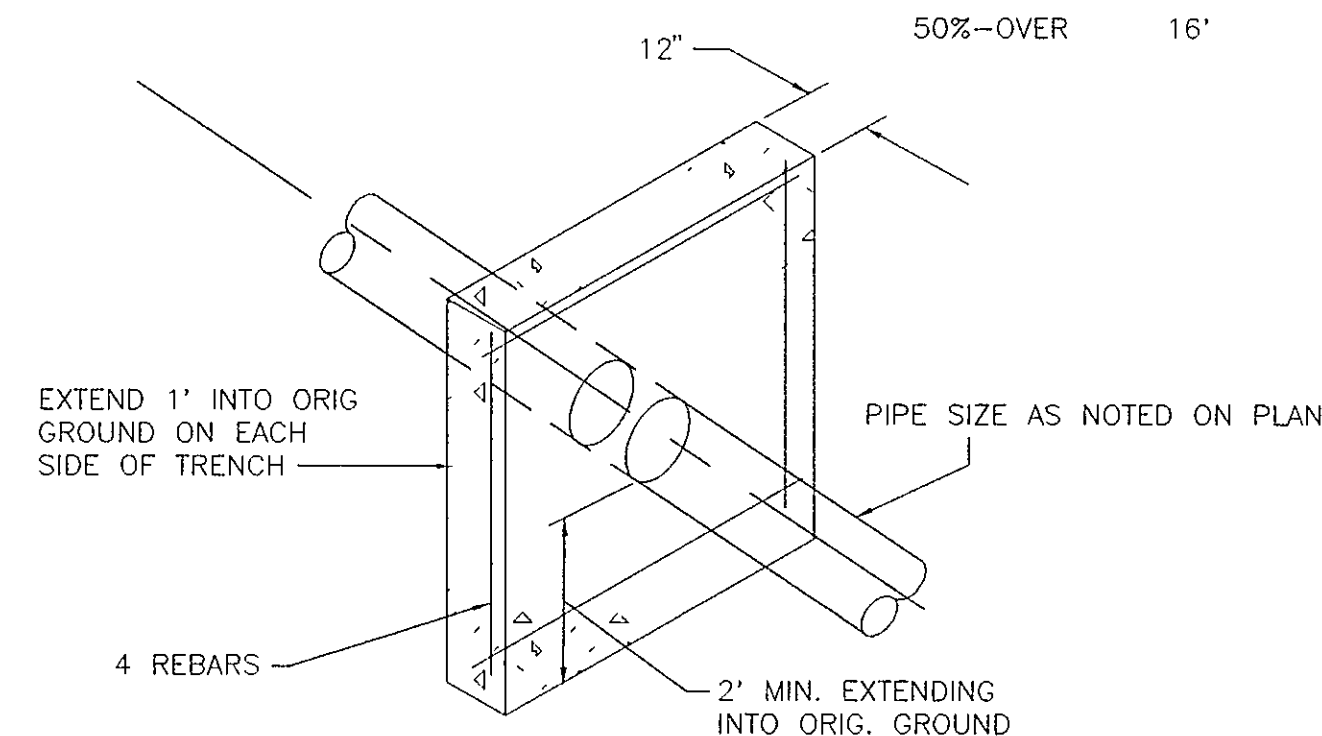


MAJOR DIVISIONS			LETTER SYMBOL	TYPICAL DESCRIPTIONS
Coarse Grained Soils More than 50% of Material by Weight is Coarser than No. 200 Sieve Size	Gravel and Gravelly Soils More than 50% of Coarse Fraction Retained on No. 4 Sieve	Clean Gravels 0–5% Fines*	GW	Fully–Graded Gravels, Gravel–Sand Mixtures, 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
		GC	Clayey Gravels, Gravel–Sand–Clay Mixtures	
	Sand and Sandy Soils More than 50% of Coarse Fraction Passing No. 4 Sieve	Clean Sand 0–5% fines*	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%		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
			OL	Organic Silts and Organic Silty Clays of Low Plasticity
	Silt and Clays High Compressibility Liquid Limit Greater than 50%		MH	Inorganic Silts, Micaceous or Diatomaceous Fine Sands or Silty Soils
			CH	Inorganic Clays of High Plasticity
			OH	Organic Clays of Medium to High Plasticity, Organic Silts
	Highly Organic Soils		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				



<u>SLOPE ANCHOR SPACING</u>	
<u>SLOPE</u>	<u>SPACING</u>
20%–35%	36'
35%–50%	24'
50%–OVER	16'



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

Architects
Engineers
Planners
Surveyors

IVIS

B-12

City of
Suite On
24019
25

WBC
Pointe Park
Smoke, Virgin
703 362-77

Dev
5238 Valley
Ro
ag



Section II

Virginia

of Ro
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City
Road

par

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DETAILS

Designed By	ACF
Designed By	RBS
Designed By	SEH

MARCH 93

AS SHOWN

C2DTRWL2
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NONE

4 of 25
Number
C1160

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