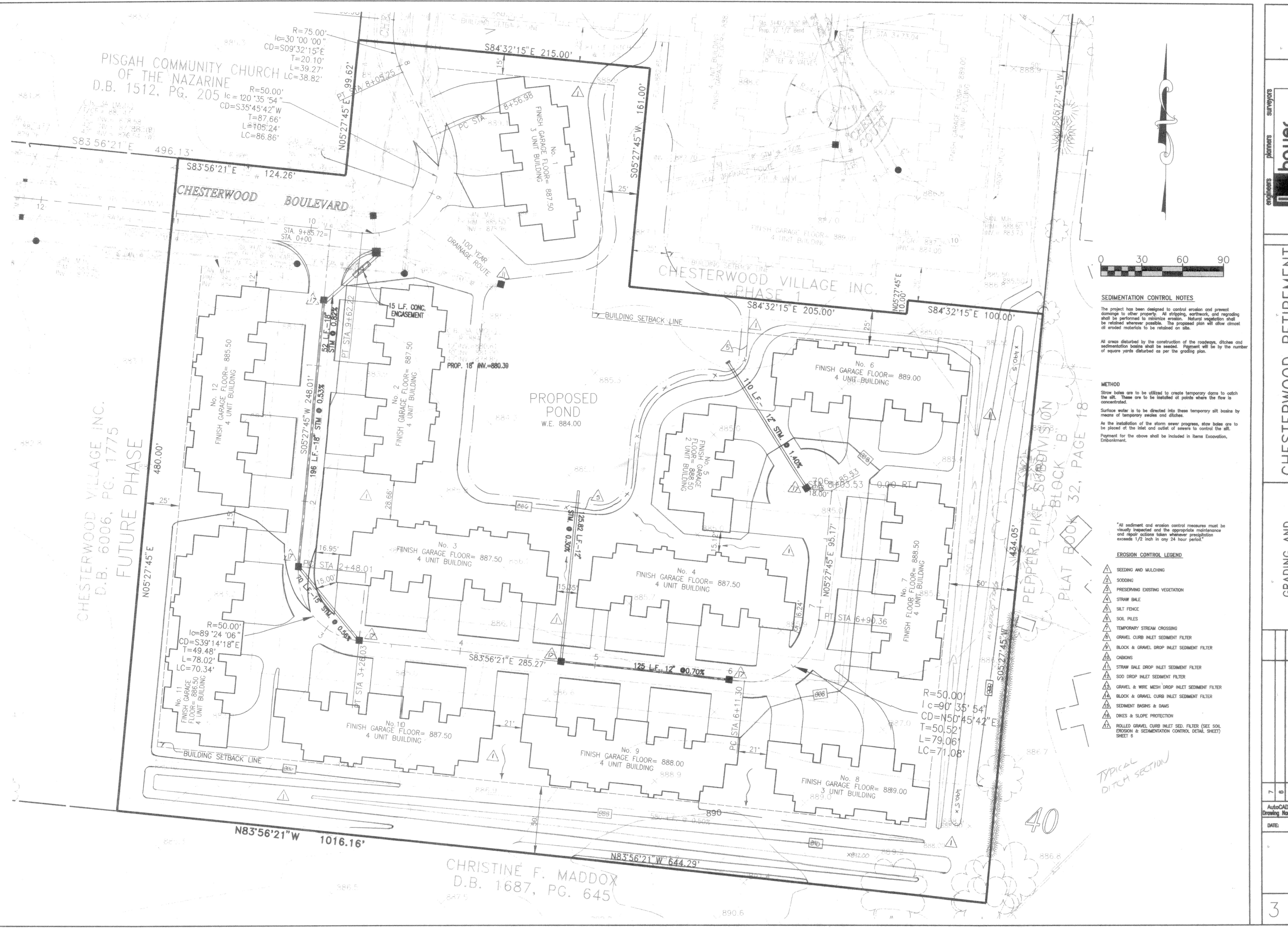
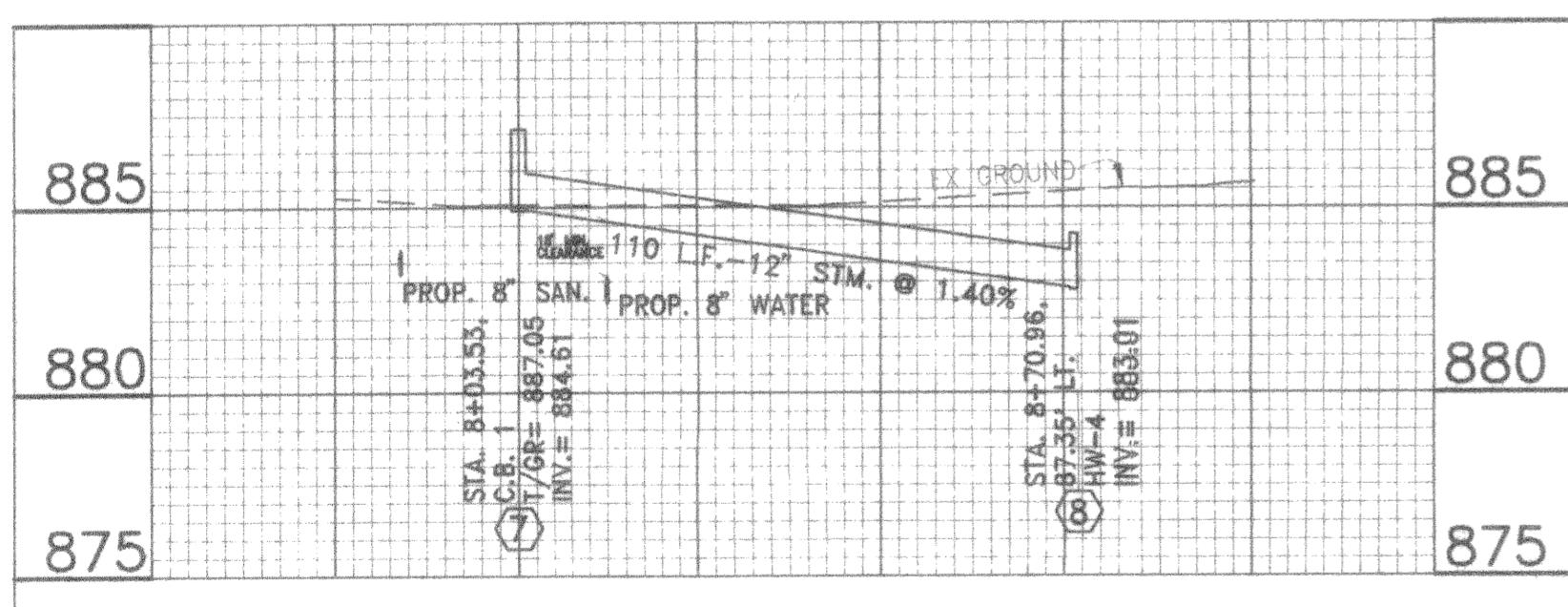
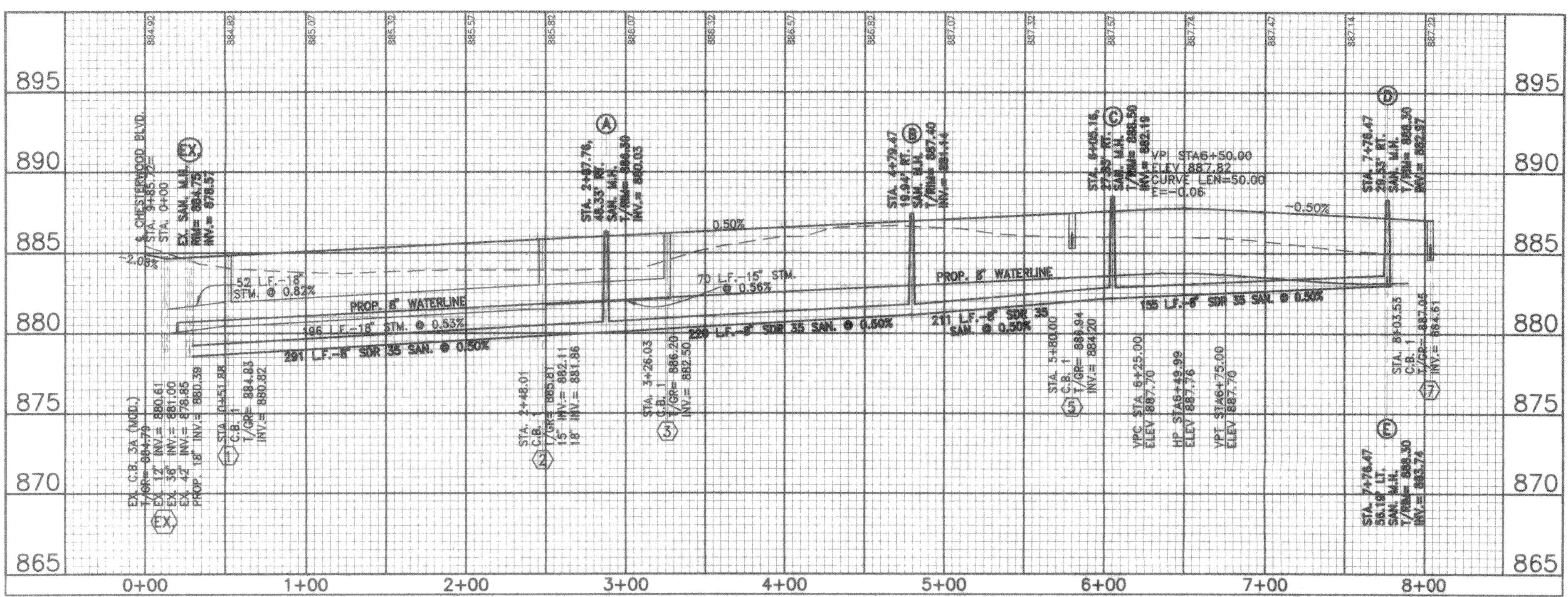
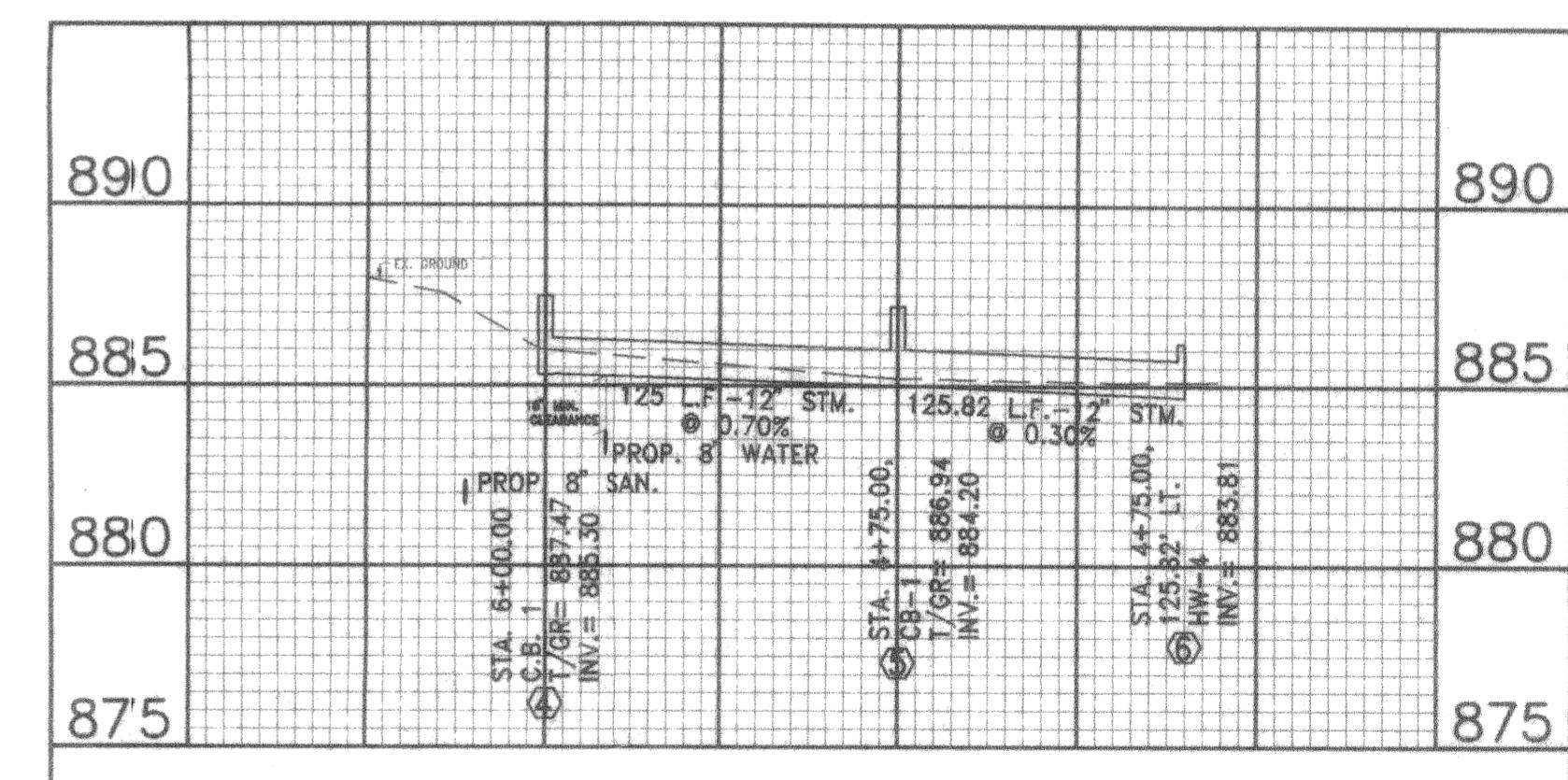


C:/BBE/FF/9579/M9579 Mon Nov 4 12:13:56 1996 BAYER BECKER ENGINEERS Plotted by: CLM

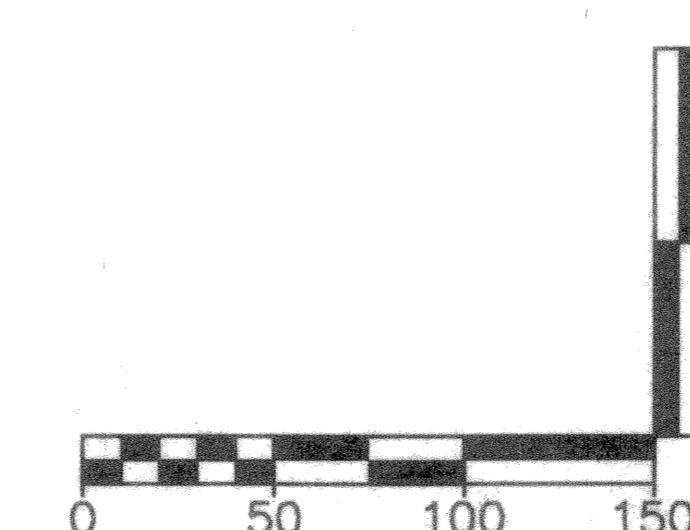




STORM 7-8



STORM 4-6



ITEM	REVISIONS	DATE	engineers	planners	surveyors
7			bayer		
8			becker		
5			engineers	planners	surveyors
4			bayer	becker	
3			becker	engineers	
2			engineers	planners	surveyors
1			bayer	becker	
			becker	engineers	
			1230 BELLEVUE DR. LAWRENCEBURG IN 47025-1912		
			812-537-9064		

GENERAL NOTES**EROSION AND SEDIMENT CONTROLS**

Vegetative practices
Such practices may include: temporary seeding, permanent seeding, mulching, matting, sod stabilization, vegetative buffer strips, phasing and protection of trees. The contractor shall initiate appropriate vegetative practices on all disturbed areas within seven (7) days if they are to remain dormant (undisturbed) for more than forty-five (45) days. Permanent or temporary soil stabilization shall be applied to disturbed areas within seven (7) days after final grade is reached on any portion of the site.

Structural Practices
Structural practices shall be used to control erosion and trap sediment from all sites remaining disturbed for more than fourteen (14) days.

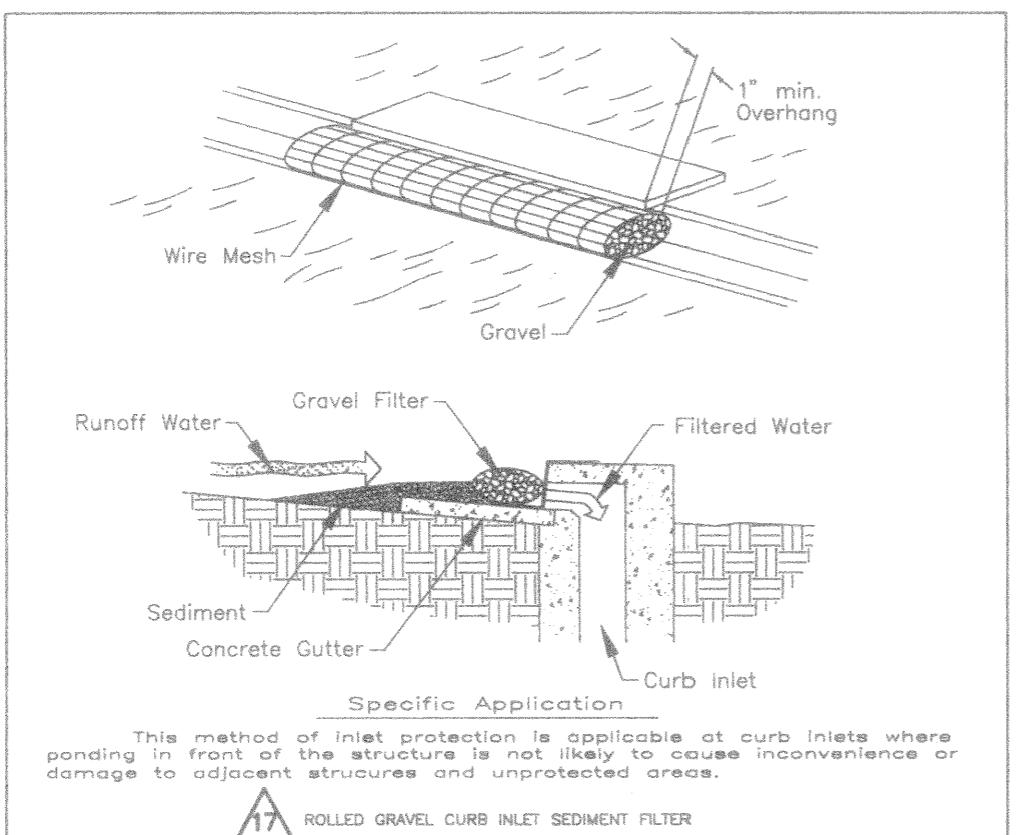
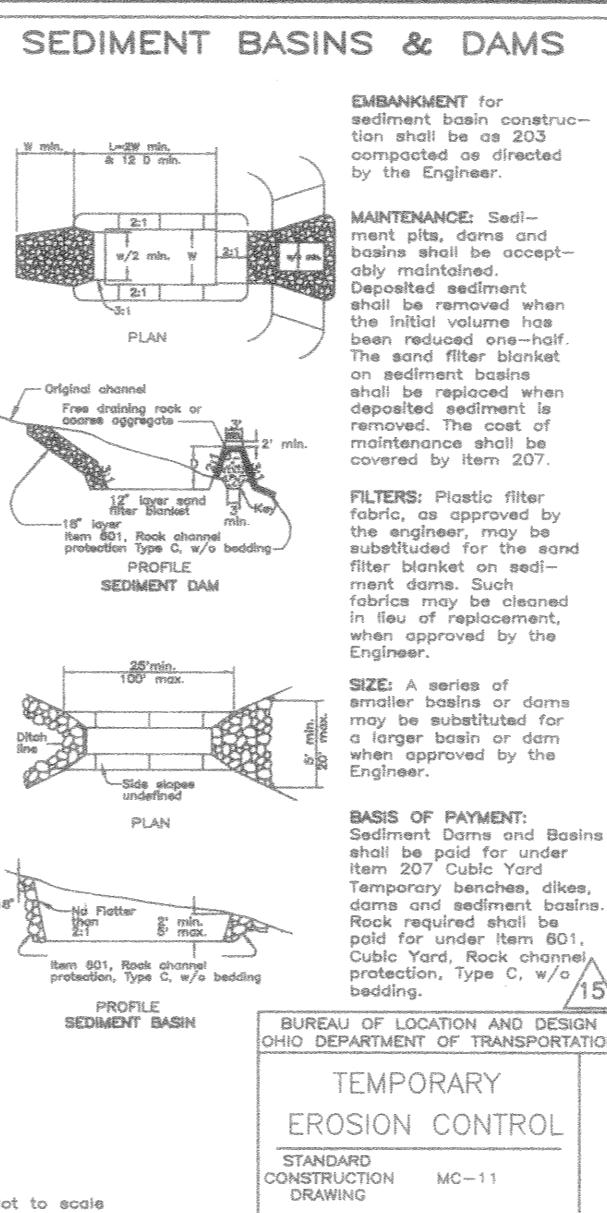
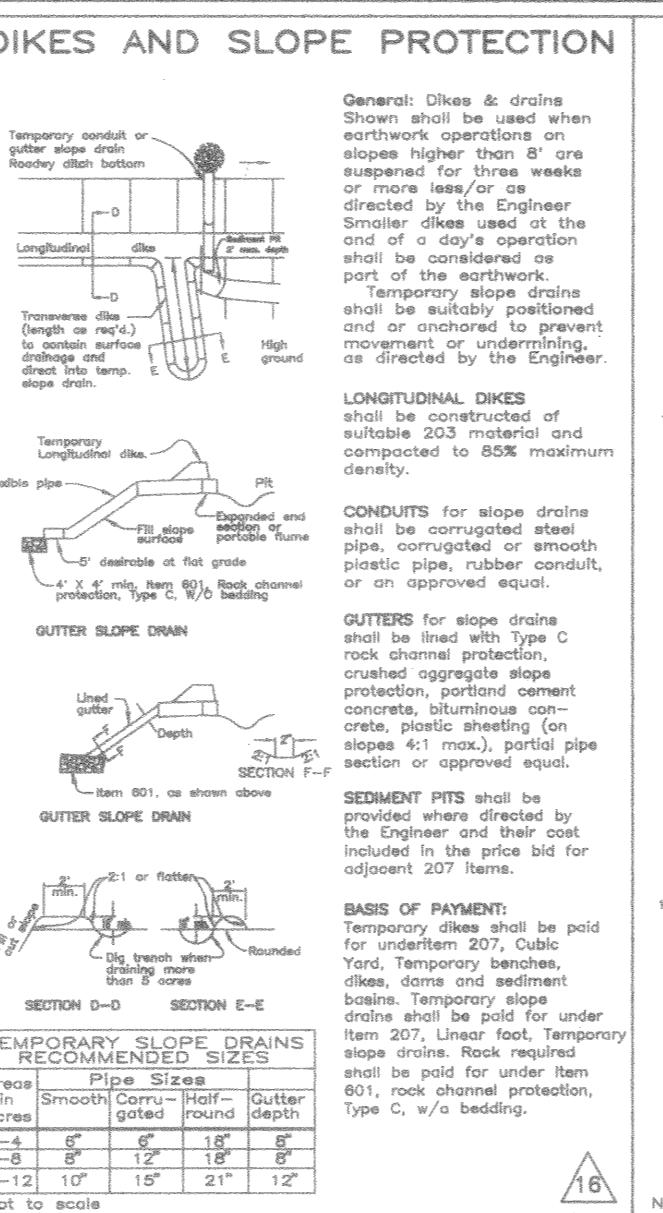
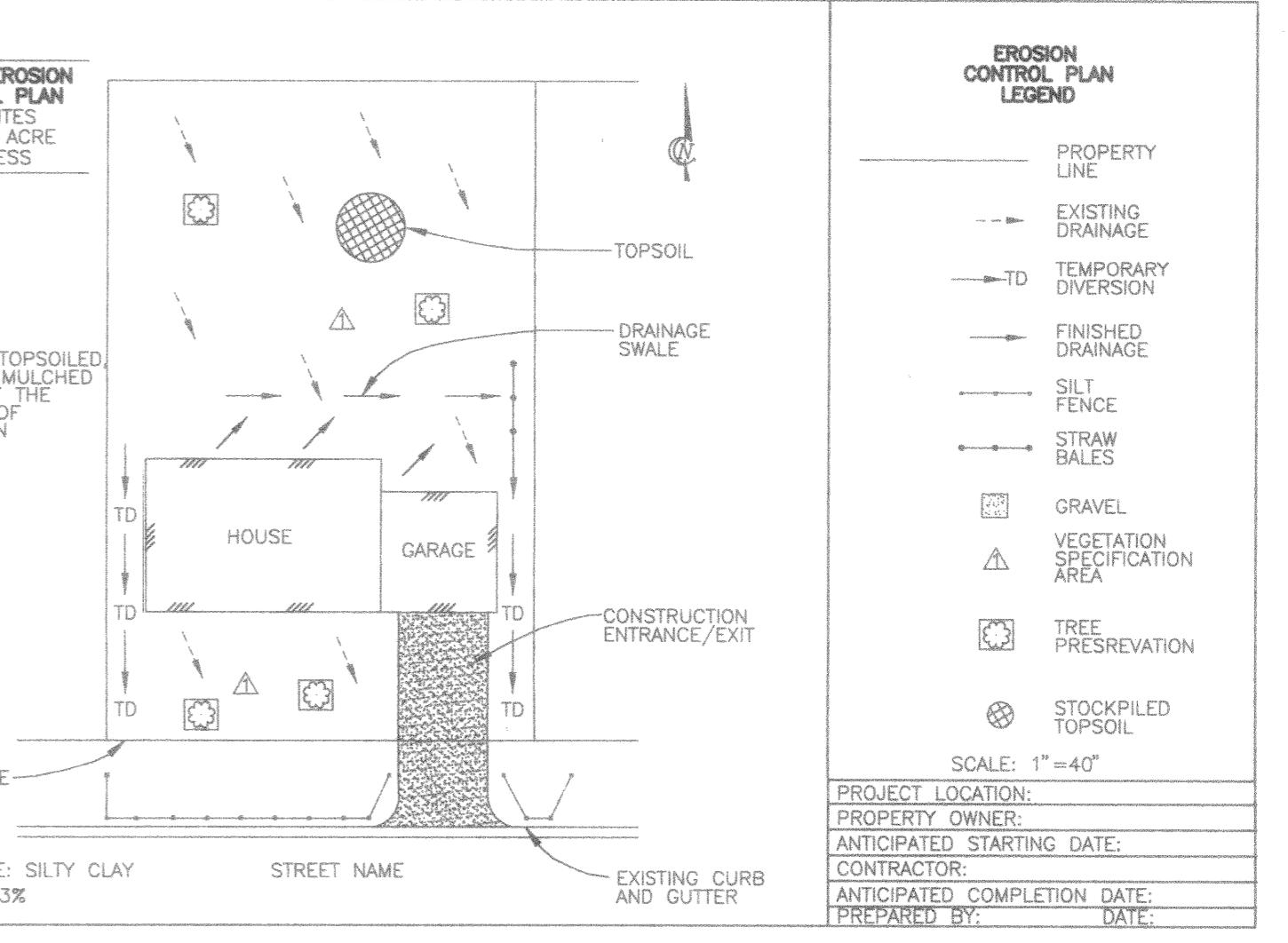
Timing
Sediment control structures shall be functional throughout earth disturbing activity. Sediment ponds and perimeter sediment barriers shall be implemented as the first step of grading and within seven days from the start of grubbing. They shall continue to function until the upslope development area is reestablished.

Sediment Barriers
Sheet flow runoff from denuded areas shall be intercepted by sediment barriers. Sediment barriers, such as sediment fences or diversions, direction runoff to settling facilities, shall protect adjacent properties and water resources from sediment transported by sheet flow.

Erosion and sediment control practices used to satisfy the conditions of this plan shall meet the standards and specifications in the current edition of Water Management and Sediment Control in Urbanized Areas (Soil Conservation Service.)

Waste Disposal
No solid or liquid waste, including building materials, shall be discharged in storm water runoff. Off-site vehicle tracking of sediments shall be minimized. The plan shall ensure and demonstrate compliance and applicable State of local waste disposal, sanitary sewer or septic system regulations.

Maintenance
All temporary and permanent control practices shall be maintained and repaired as needed to assure continued performance of their intended function.

**DIKES AND SLOPE PROTECTION****EROSION CONTROL FOR SMALL SITES**

REVEGETATION
Seed, sod or mulch bare soil as soon as possible

1 SEEDING AND MULCHING
Spread 4 to 6 inches of topsoil. Fertilize according to soil test (or apply 10 lb./1000 sq. ft. of 20-10-10 or 10-10-10 fertilizer.)

Seed with an appropriate mix for the site (see table.) Rake lightly to cover seed with 1/4" of soil. Roll lightly. Mulch with straw (70-90 lb. or one bale per 1000 sq. ft.)

Anchor mulch by punching 2 inches into the soil with a dull, weighted disk or by using netting or other measures on steep slopes, or windy areas. Water gently every day or two to keep soil moist. Less watering is needed once grass is 2 inches tall.

2 SODDING Spread 4 to 6 inches of topsoil. Fertilize according to soil test (or apply 10 lb./1000 sq. ft. of 20-10-10 or 10-10-10 fertilizer.) Lightly water the soil.

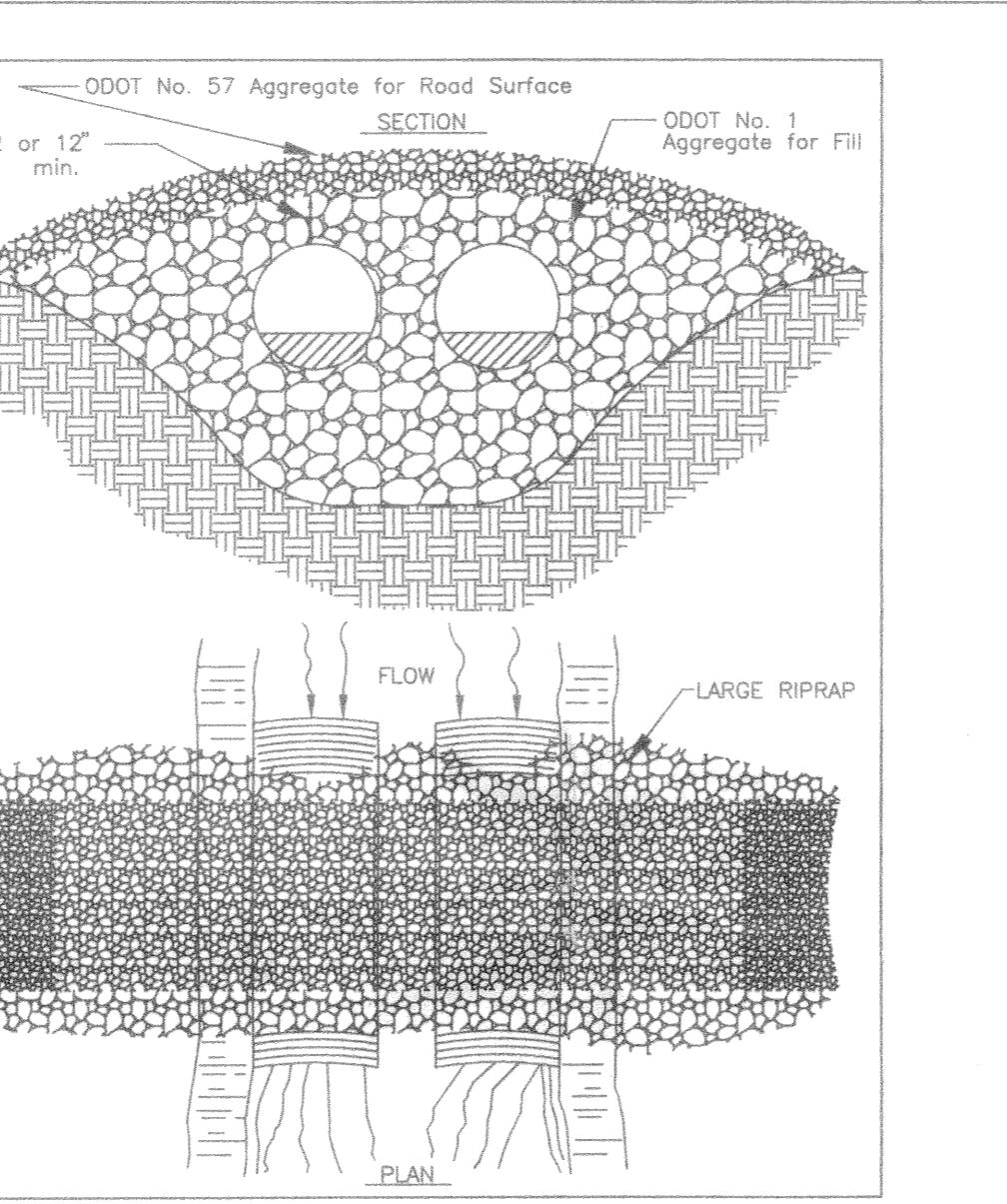
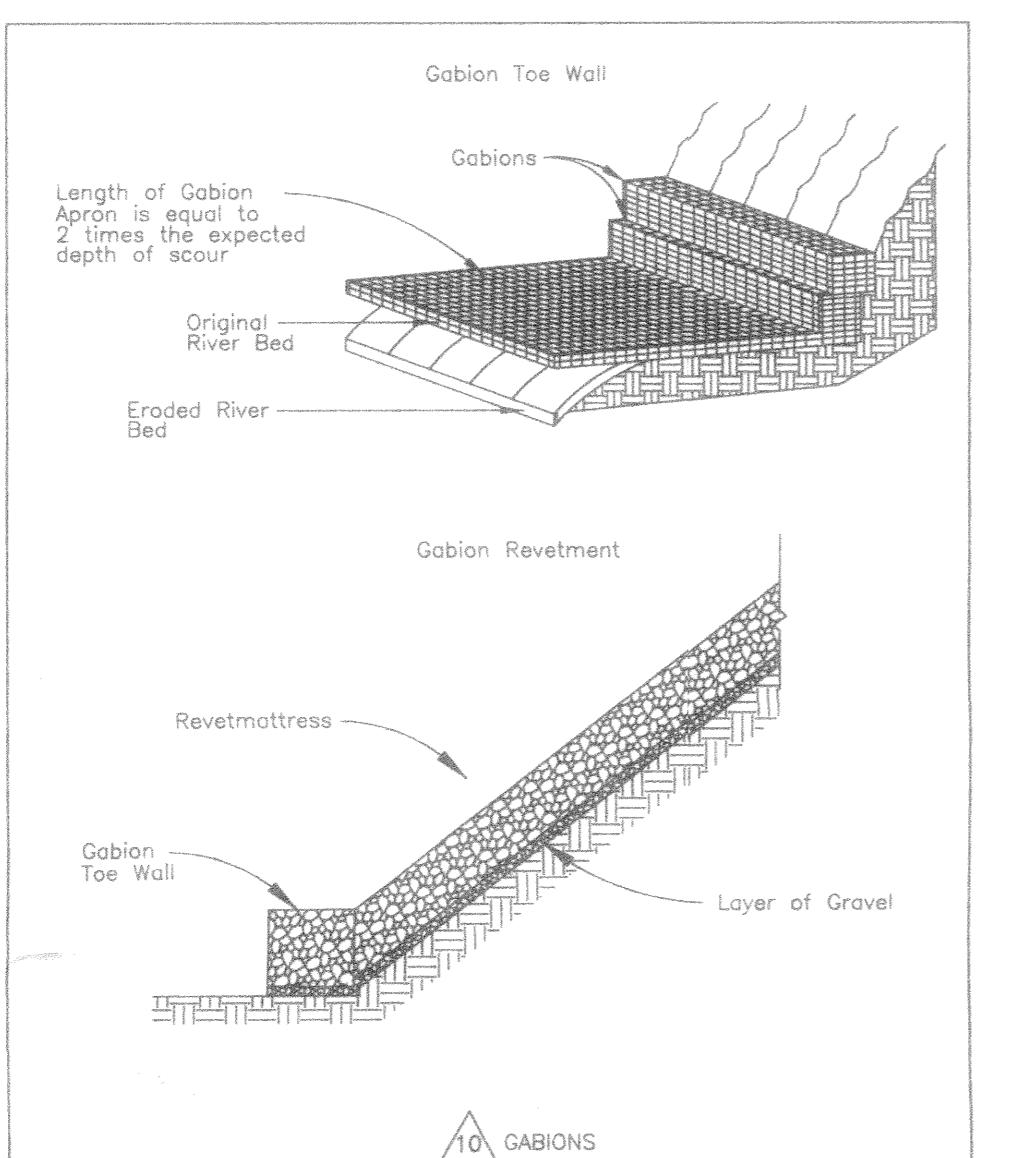
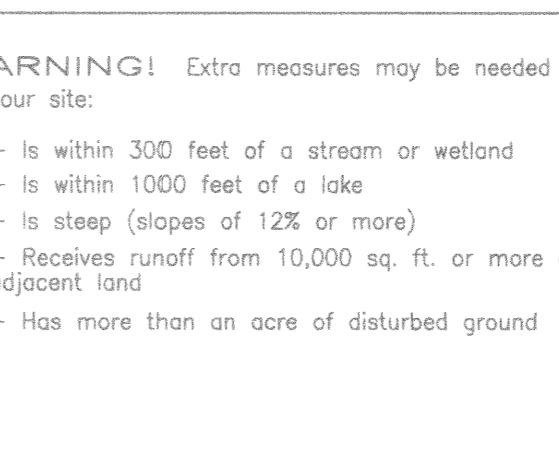
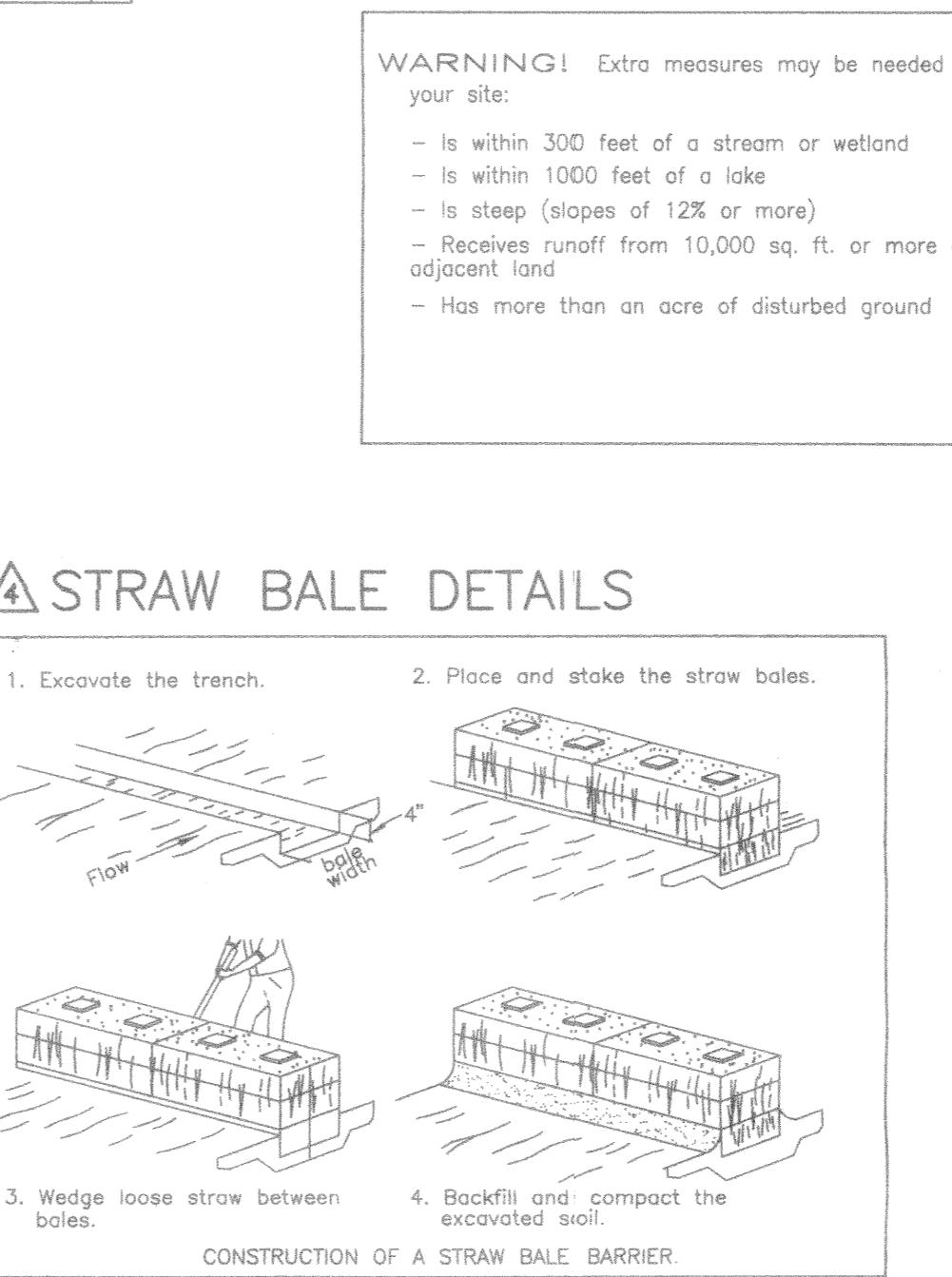
Lay sod, tamp or roll lightly. On slopes, lay sod starting at the bottom and work toward the top. Peg each piece down in several places. Initial watering should wet soil 6 inches deep (or until water stands 1 inch deep in a straight-sided container.) Then water lightly every day or two for 2 weeks.

If construction is completed after October 31, seeding or sodding may be delayed. Applying mulch or temporary seed (such as rye or winter wheat) is recommended if weather permits. Straw bale or silt fences must be maintained until final seeding or sodding is completed in spring March 15 - May 31.

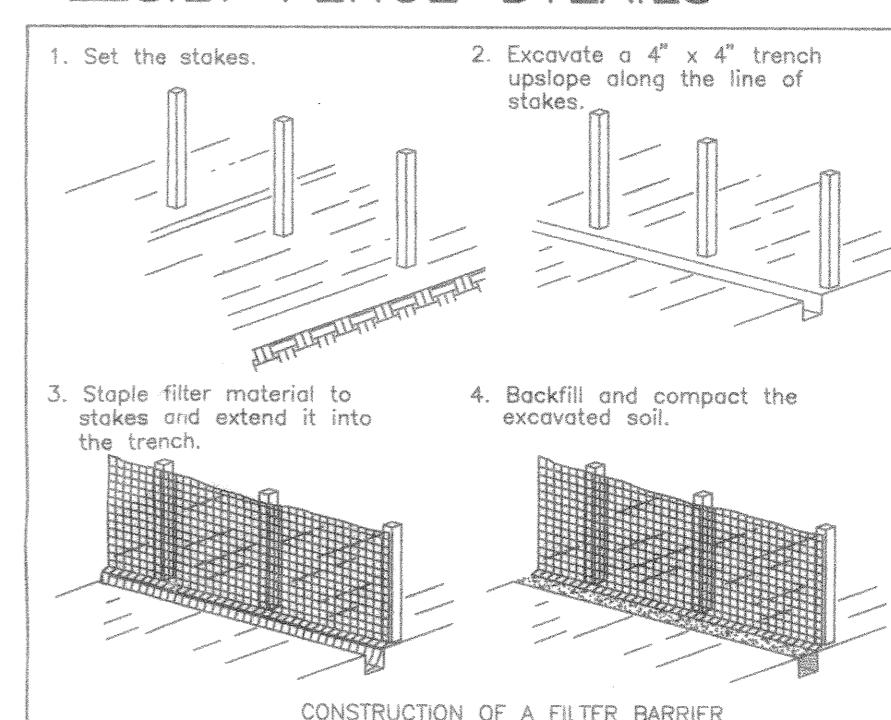
3 PRESERVING EXISTING VEGETATION
Wherever possible, preserve existing trees, shrubs, and other vegetation. To prevent root damage, do not grade, place soil piles, or park vehicles near trees marked for preservation.

Place plastic mesh or snow fence barriers around trees to protect the area below their branches.

4 STRAW BAILE DTEAILS
4A STRAW BAILE DETAILS

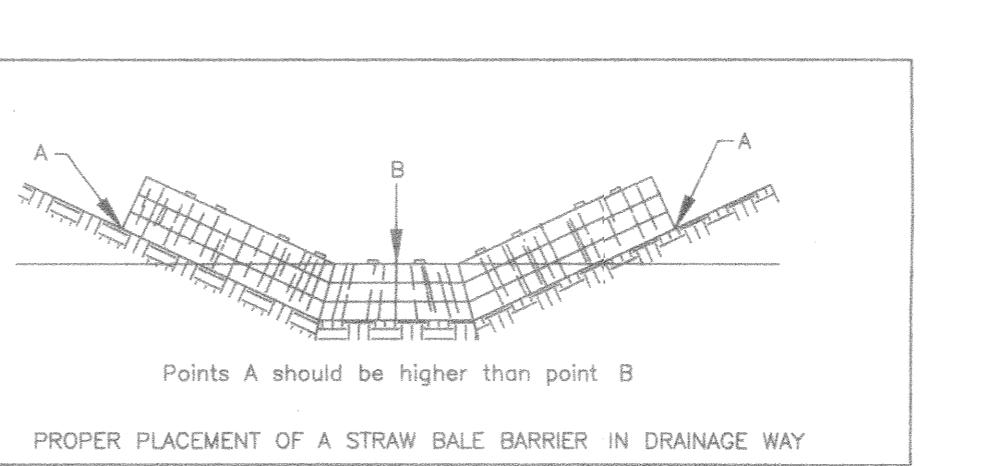


4A STRAW BAILE DTEAILS
4A STRAW BAILE DTEAILS



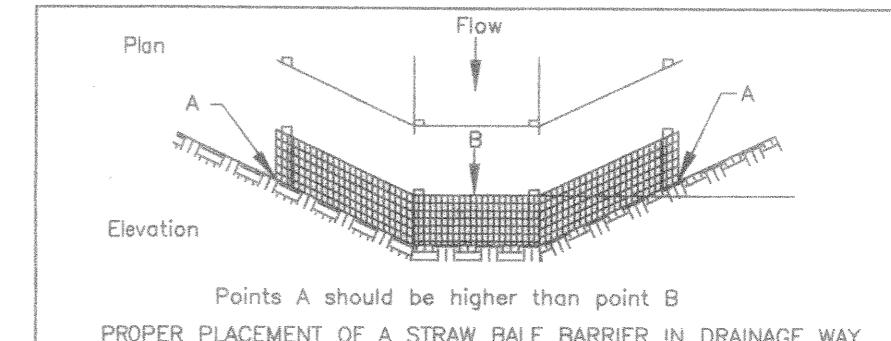
Source: Installation of Straw and Filter Barriers for Sediment Control, Sherwood and Wyant.

4A STRAW BAILE DTEAILS
4A STRAW BAILE DTEAILS



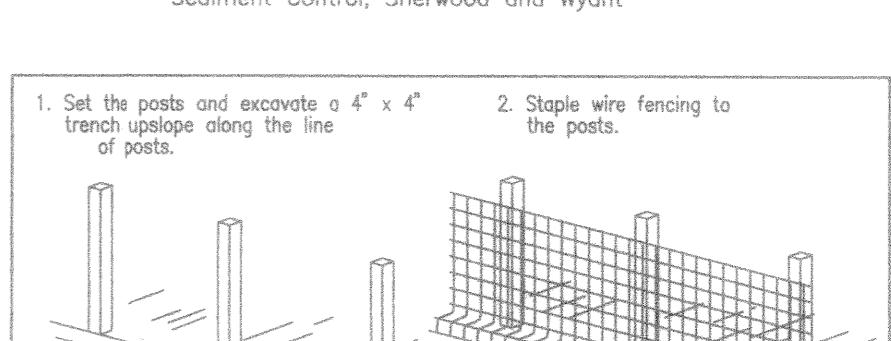
Source: Installation of Straw and Filter Barriers for Sediment Control, Sherwood and Wyant.

4A STRAW BAILE DTEAILS
4A STRAW BAILE DTEAILS

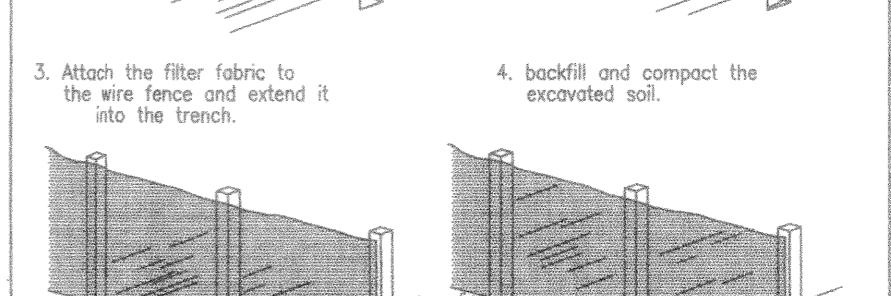


Source: Installation of Straw and Fabric Filter Barriers for Sediment Control, Sherwood and Wyant.

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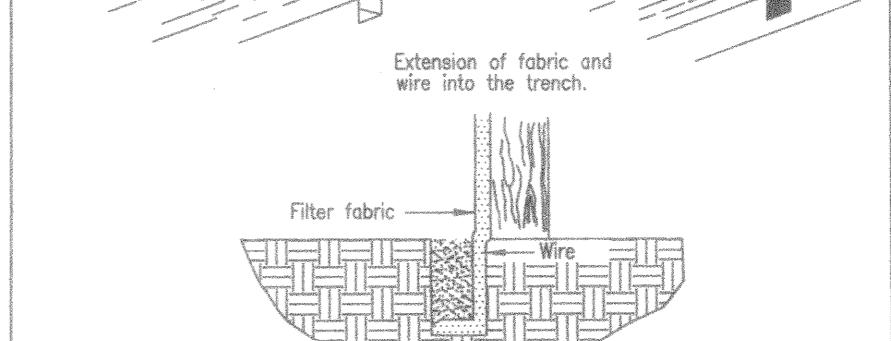


4A STRAW BAILE DTEAILS
4A STRAW BAILE DTEAILS



Source: Installation of Straw and Fabric Filter Barriers for Sediment Control, Sherwood and Wyant.

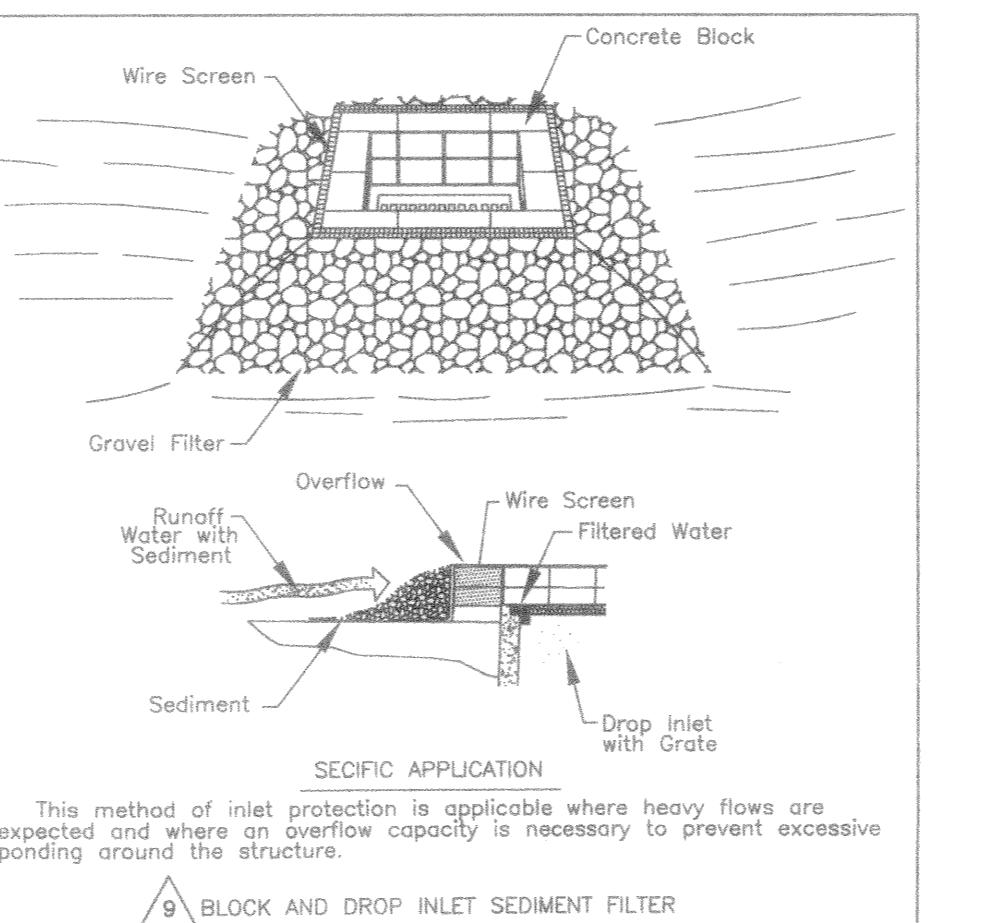
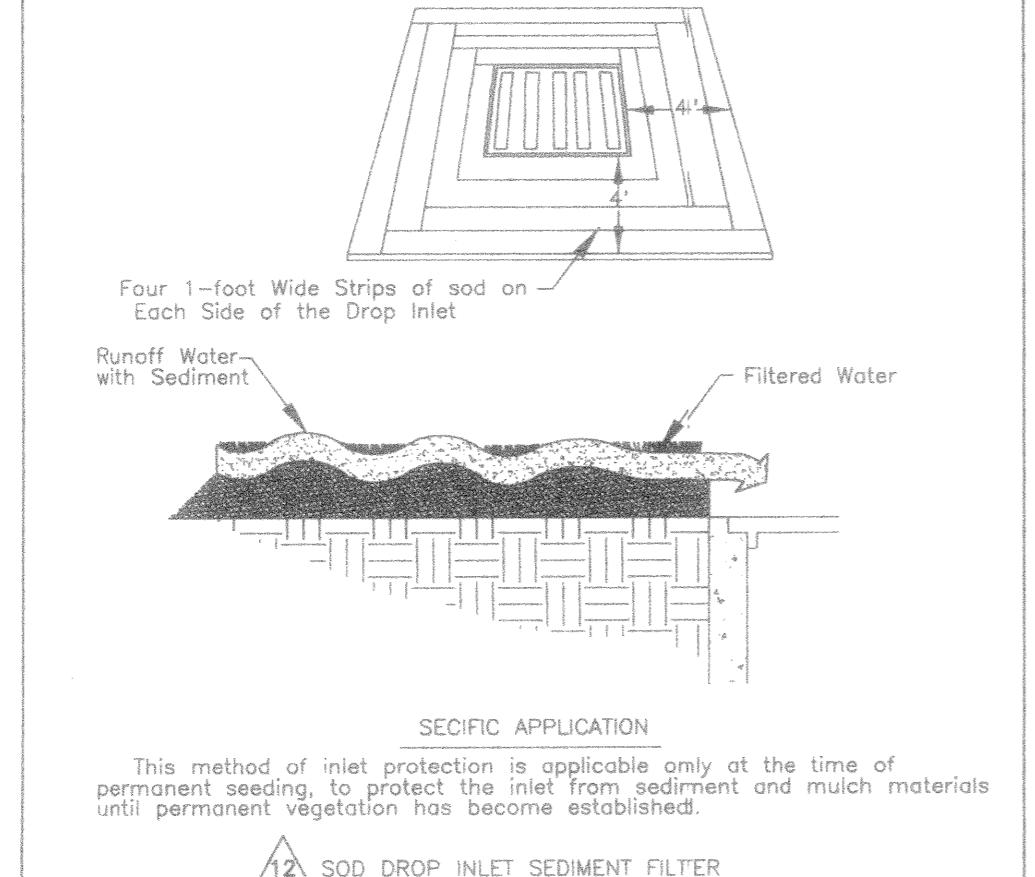
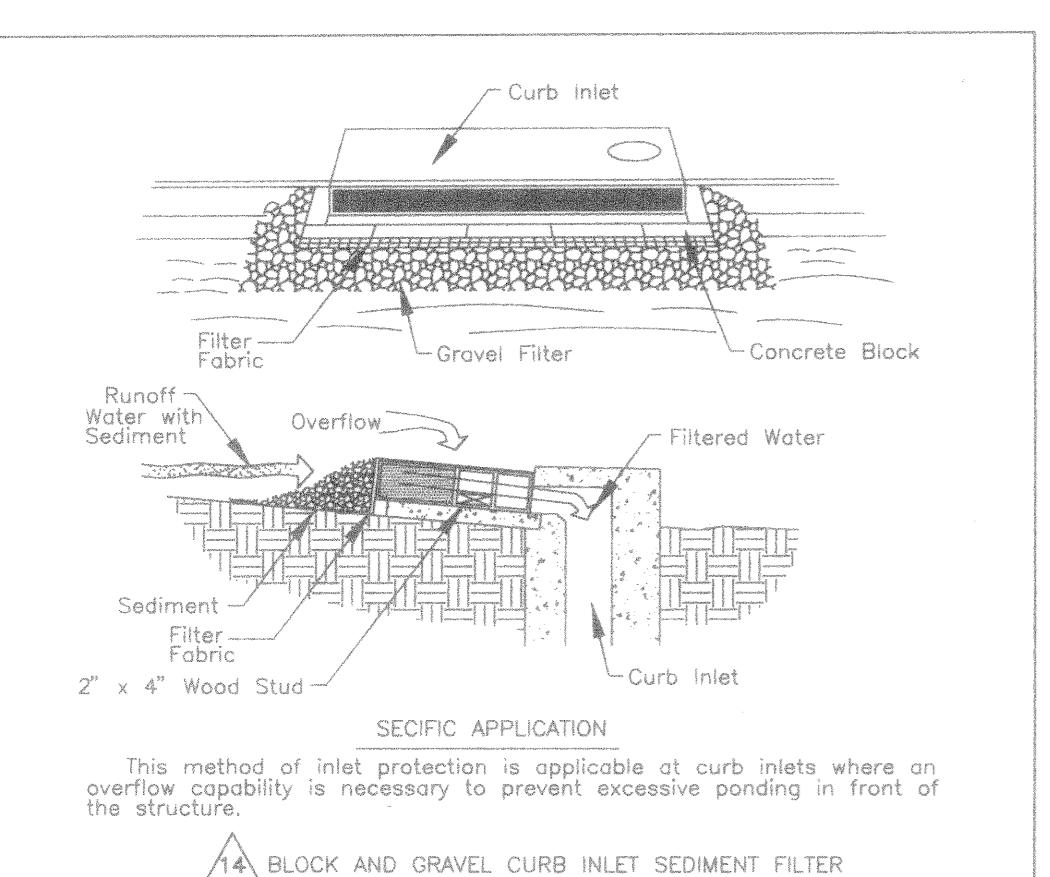
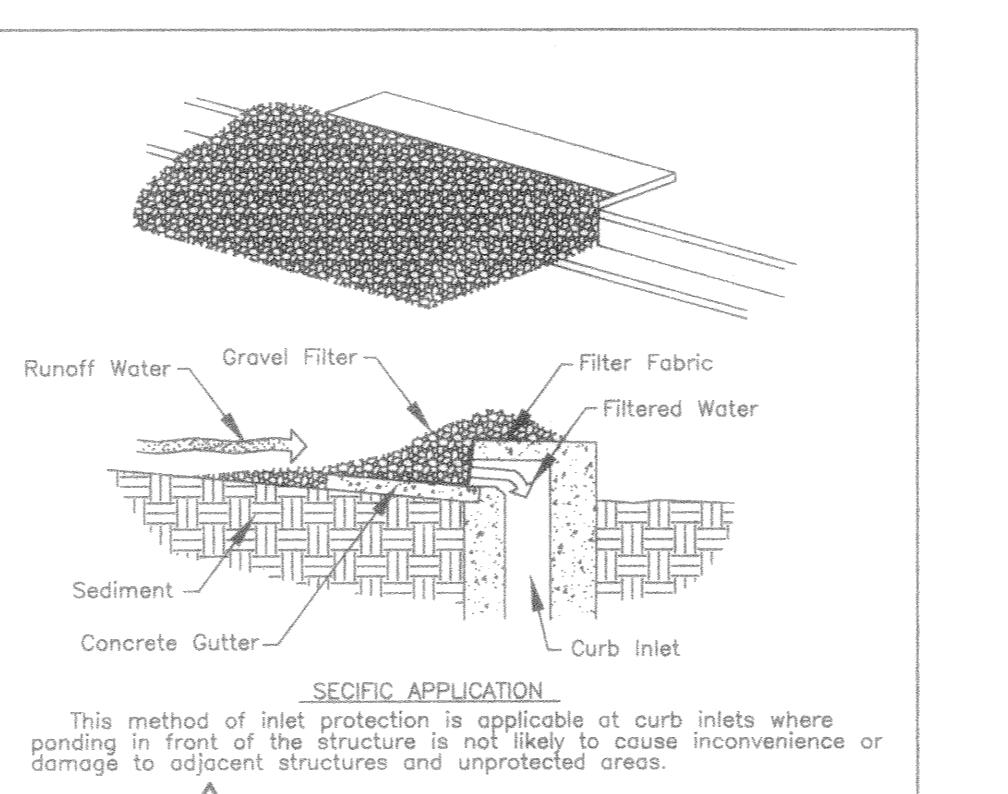
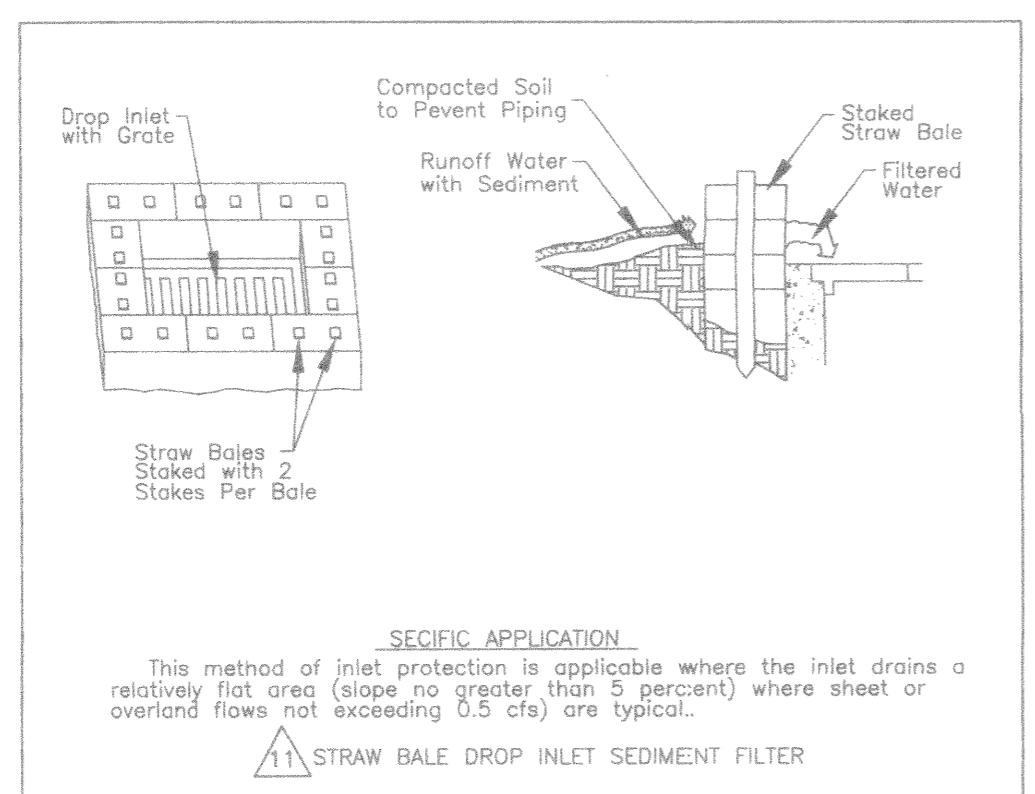
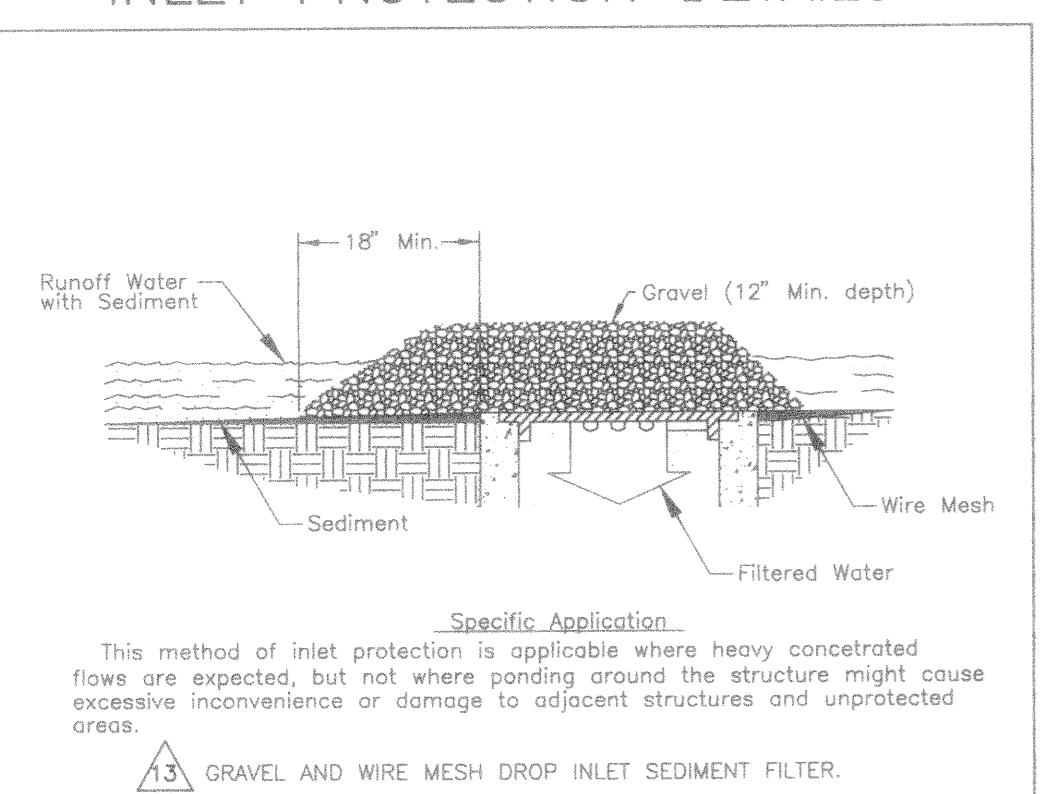
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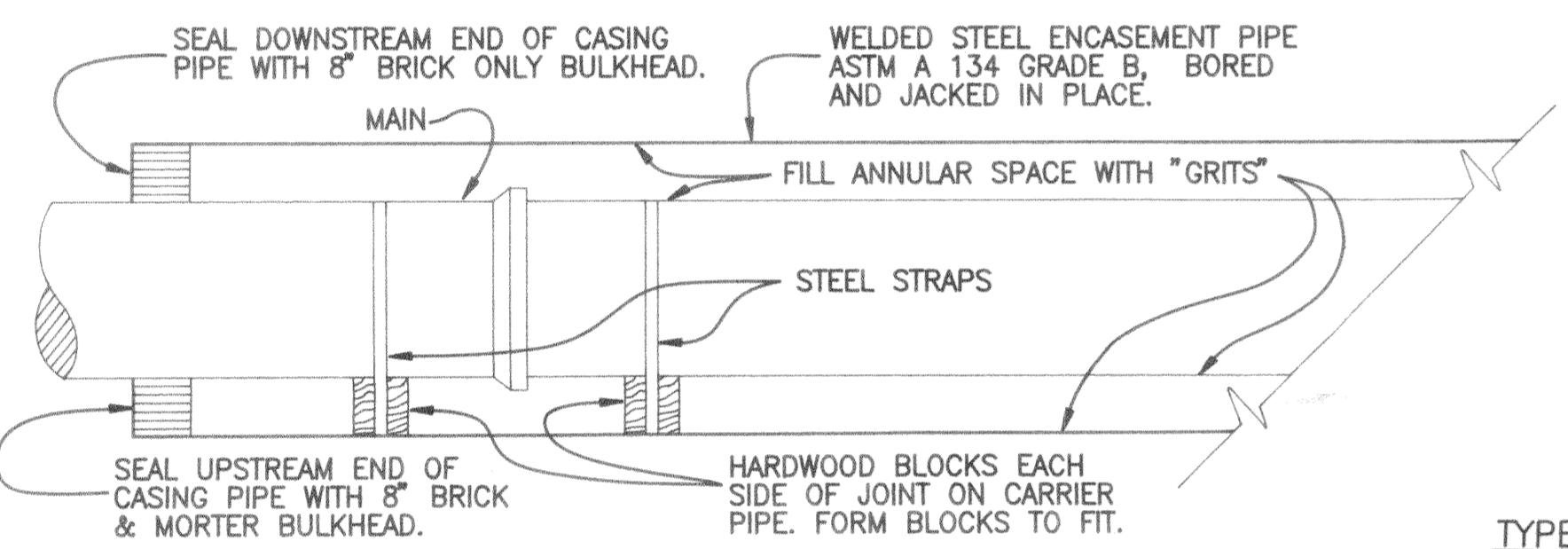
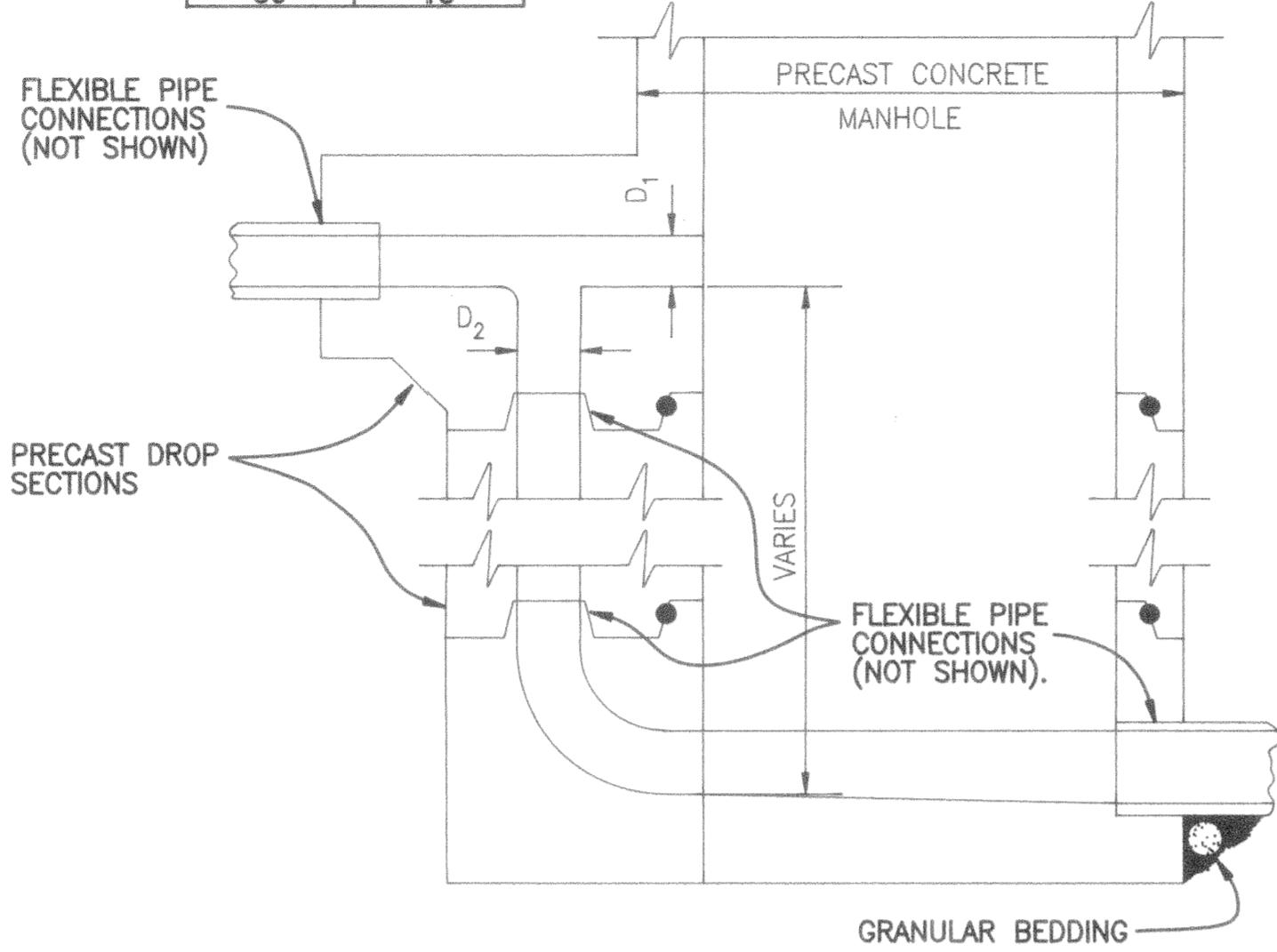
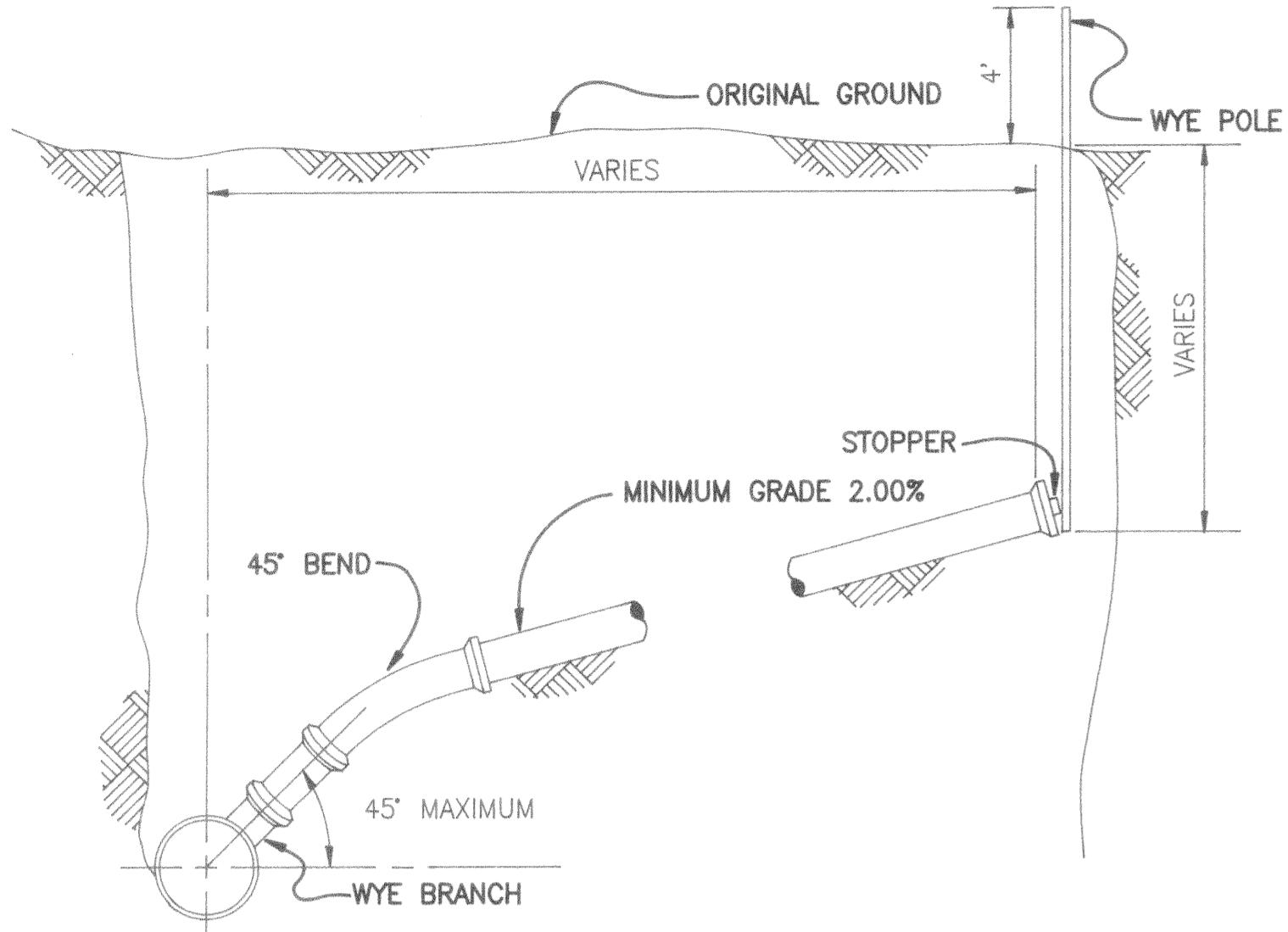


Source: Michigan Soil Erosion and Sediment Control Guidebook, 1975

4A STRAW BAILE DTEAILS
4A STRAW BAILE DTEAILS

Source: Adapted from Installation of Straw and Fabric Filter Barriers for Sediment Control, Sherwood and Wyant.

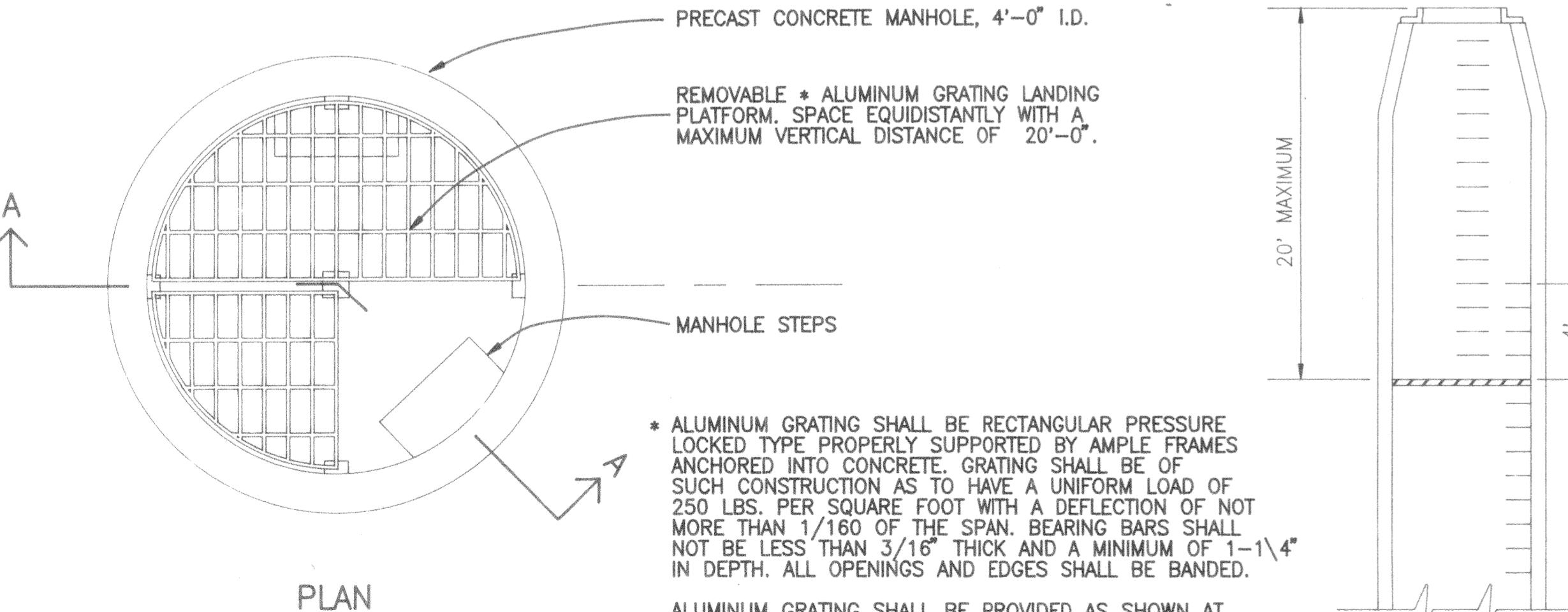
INLET PROTECTION DETAILS



LOCATION	①	②	③	SHEET NO.

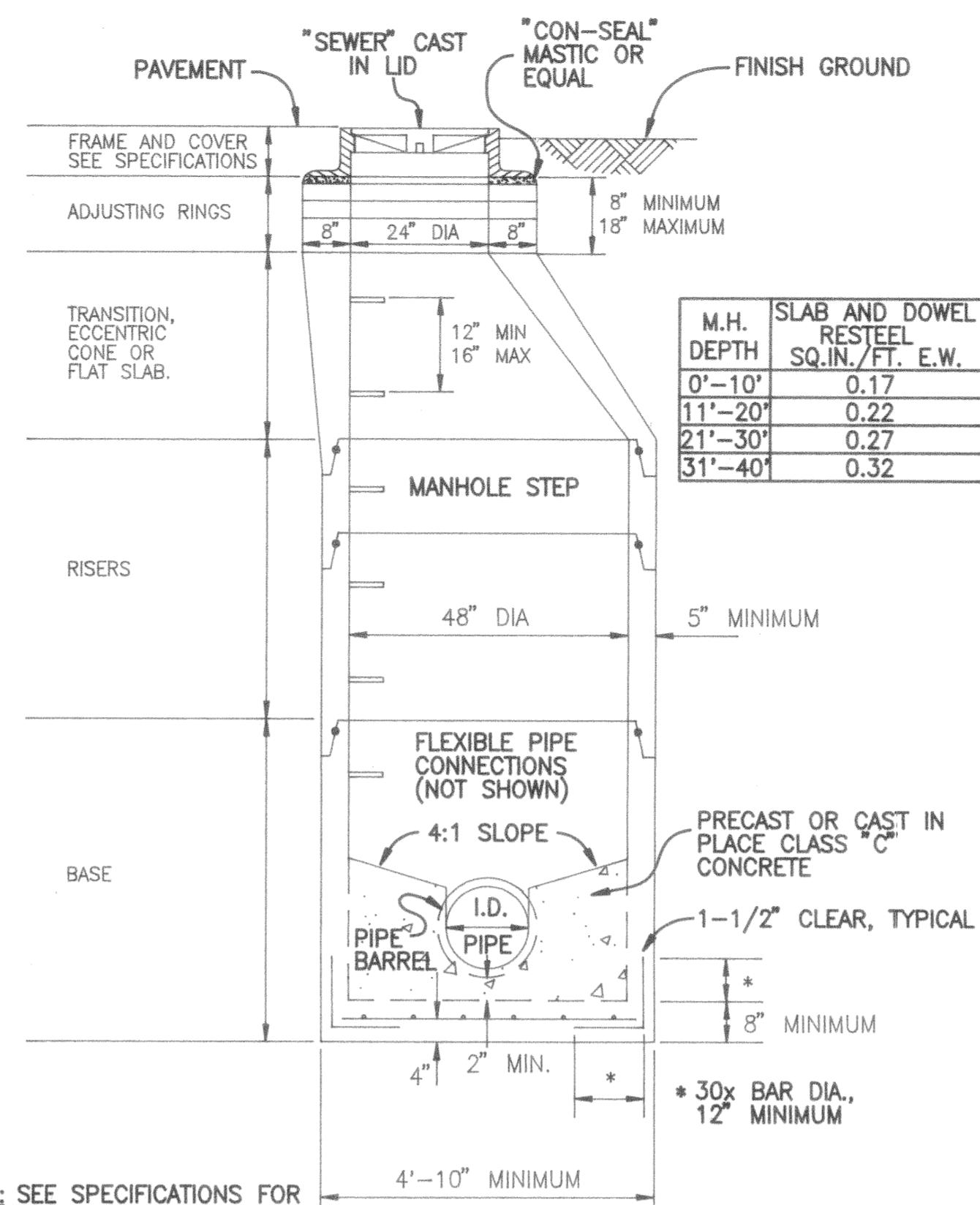
ENCASEMENT PIPE DETAIL
NO SCALE

MAXIMUM PIPE SIZE			
TYPE	MH I.D.	MAX. PIPE SIZE	MIN. INTERIOR ANGLE
① ENCASEMENT PIPE SIZE	"A"	48"	24"
② ENCASEMENT PIPE WALL THICKNESS	"B"	60"	36"
③ MAIN SIZE	"C"	72"	42"
	"D"	84"	60"

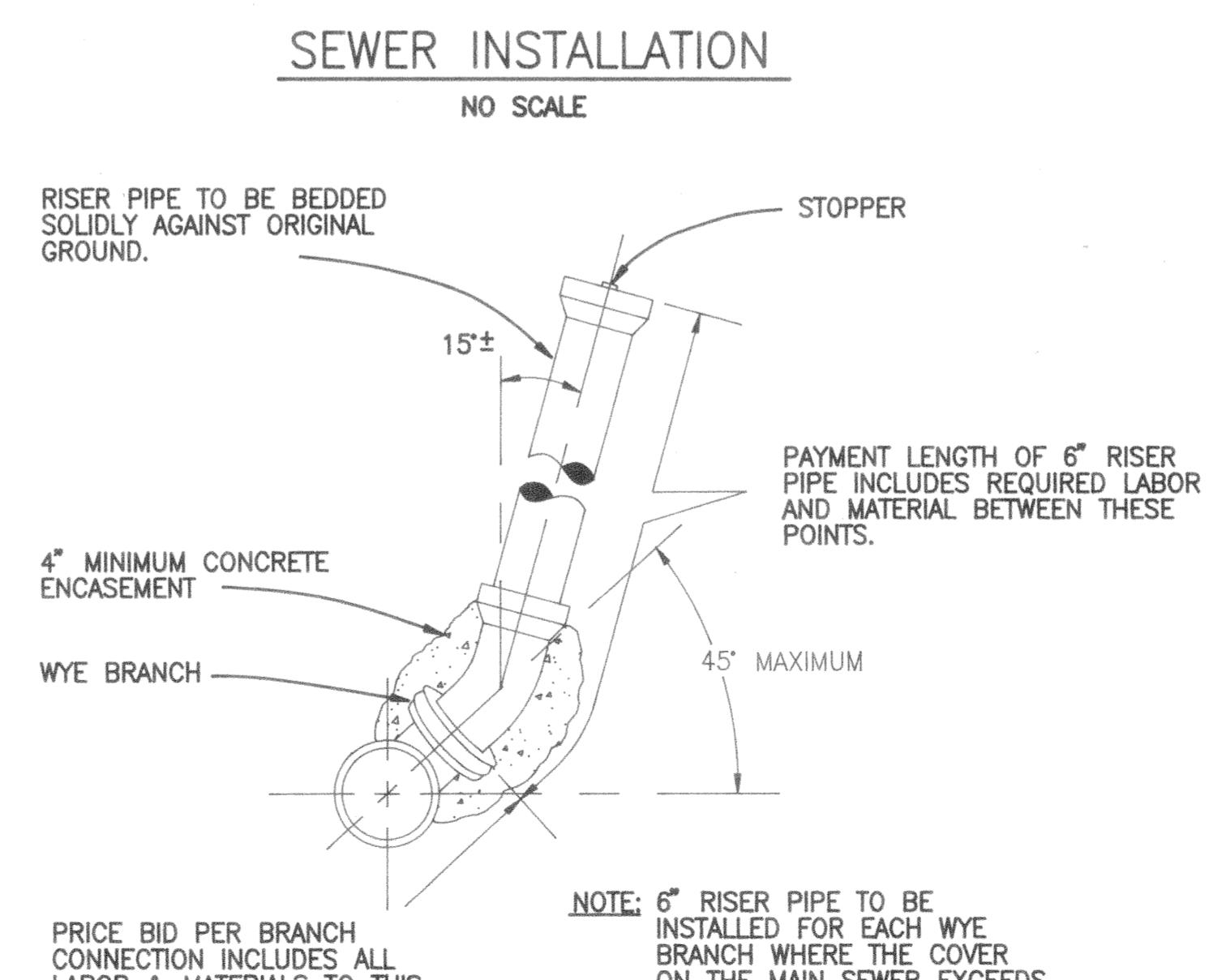
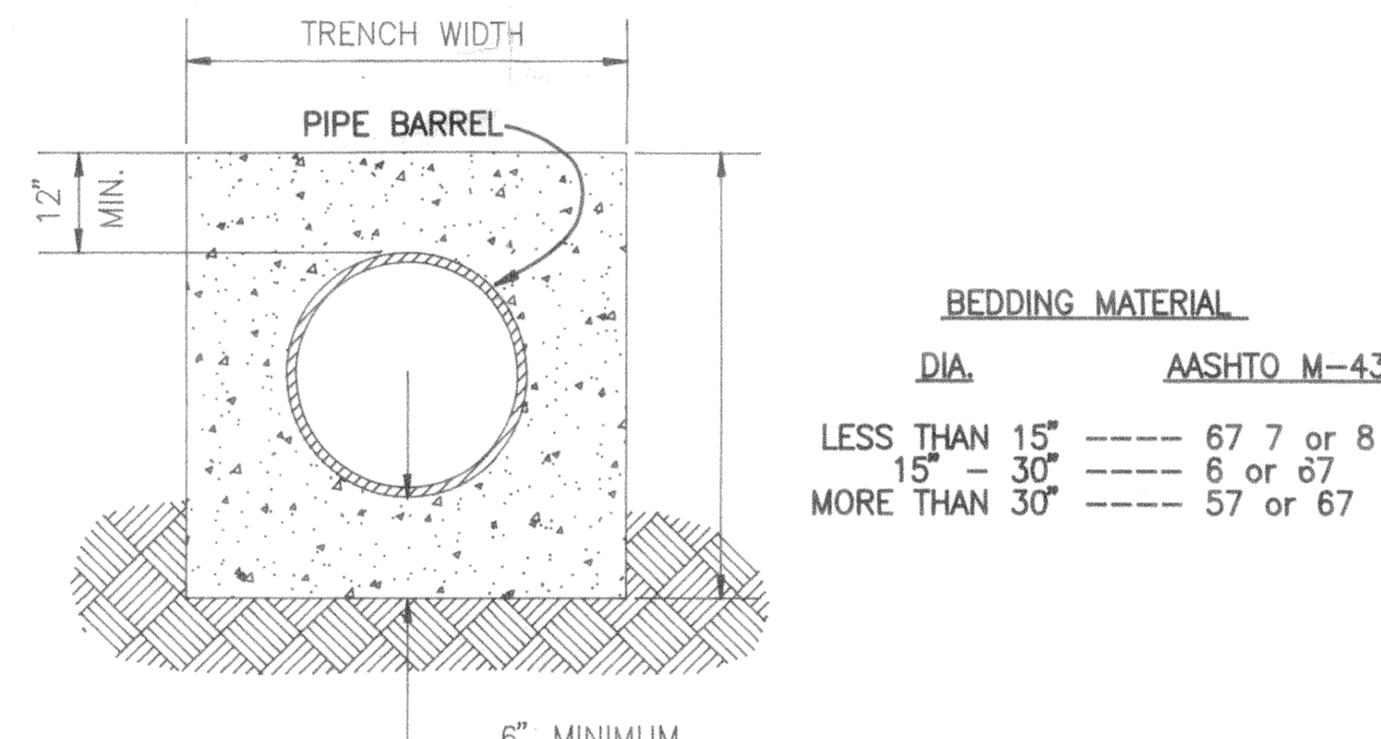


MANHOLE GRATING DETAIL
NO SCALE

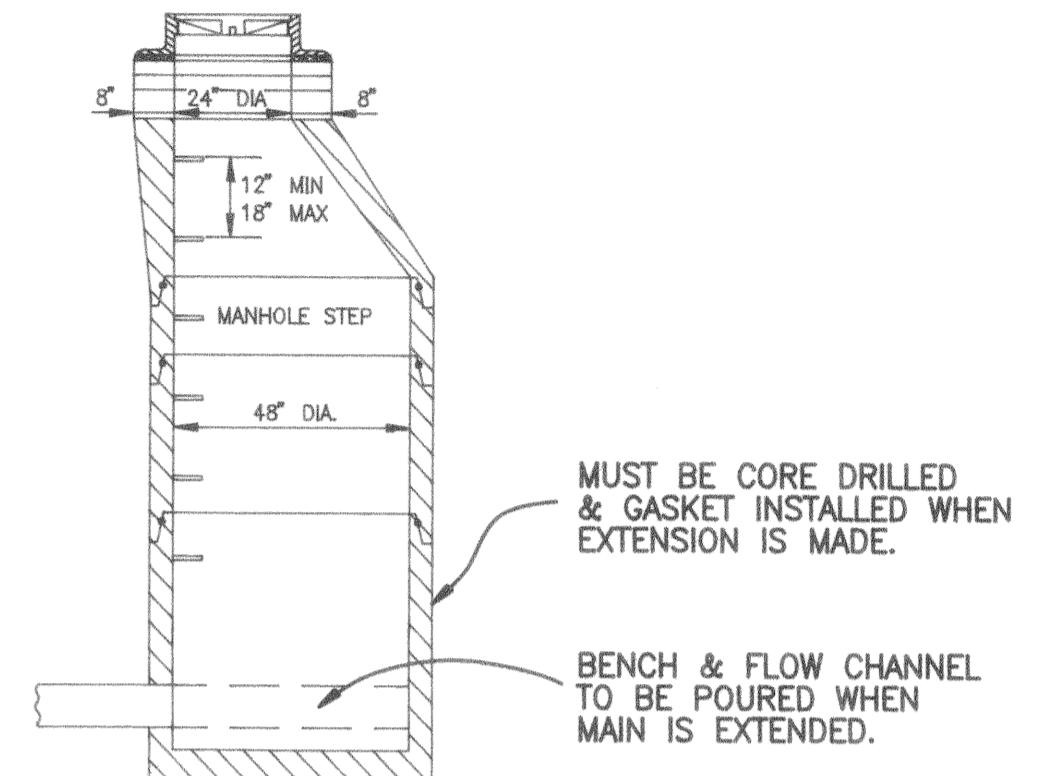
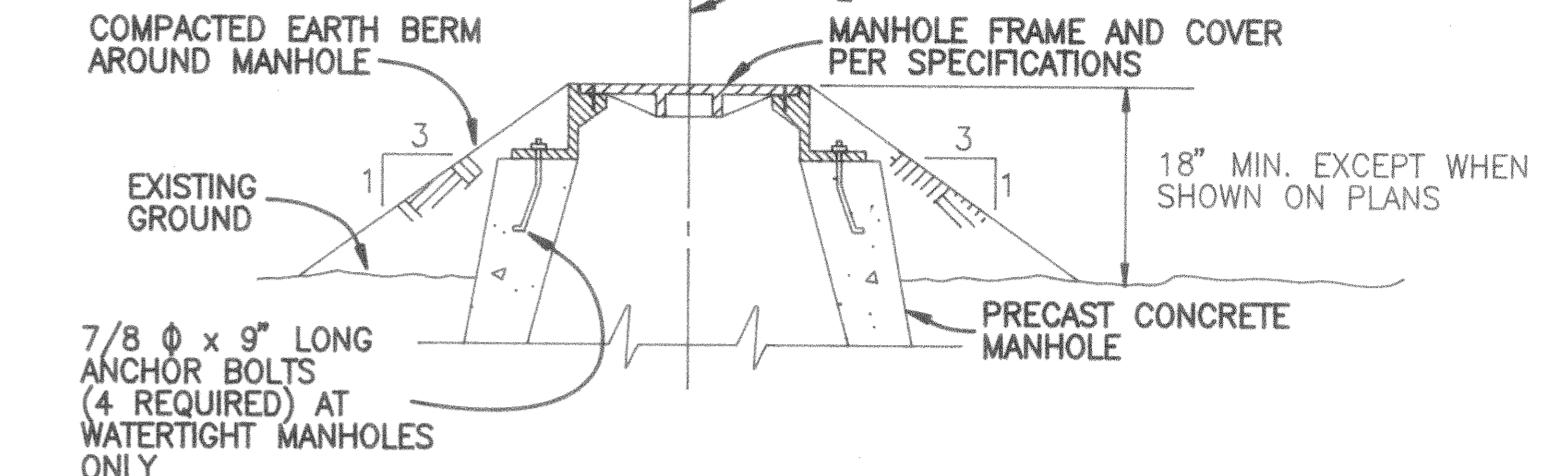
DROP MANHOLES SHALL BE USED WHEN THE DIFFERENCE IN ELEVATION BETWEEN THE INVERT OF THE INLET AND THE OUTLET PIPE EXCEEDS 2.0 FEET.



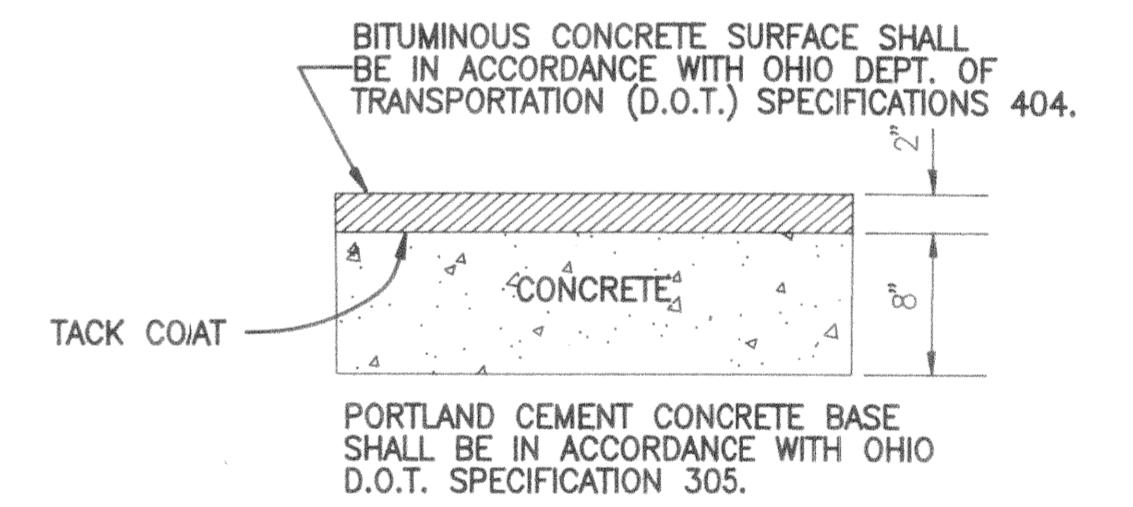
PRECOST CONCRETE MANHOLE
NO SCALE



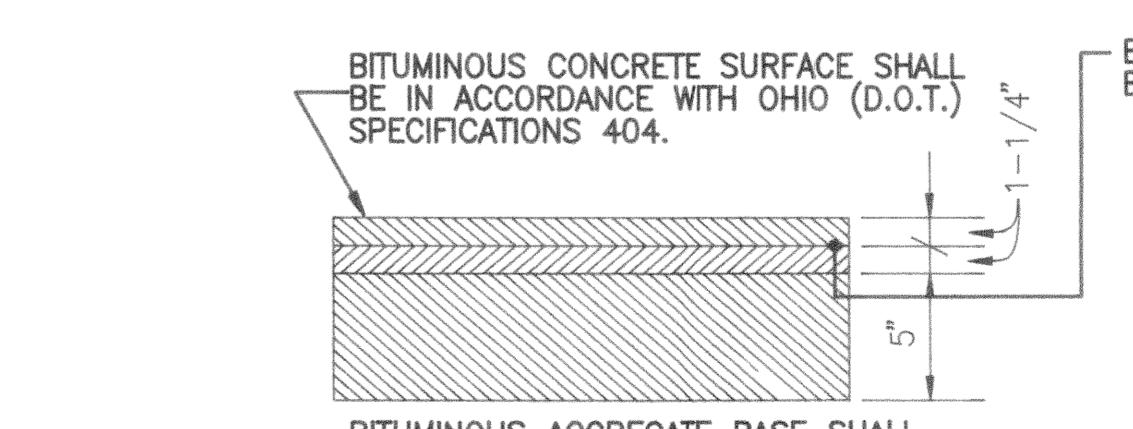
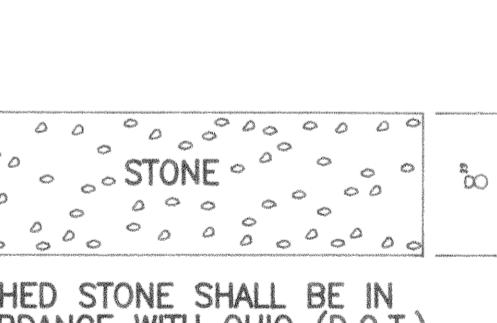
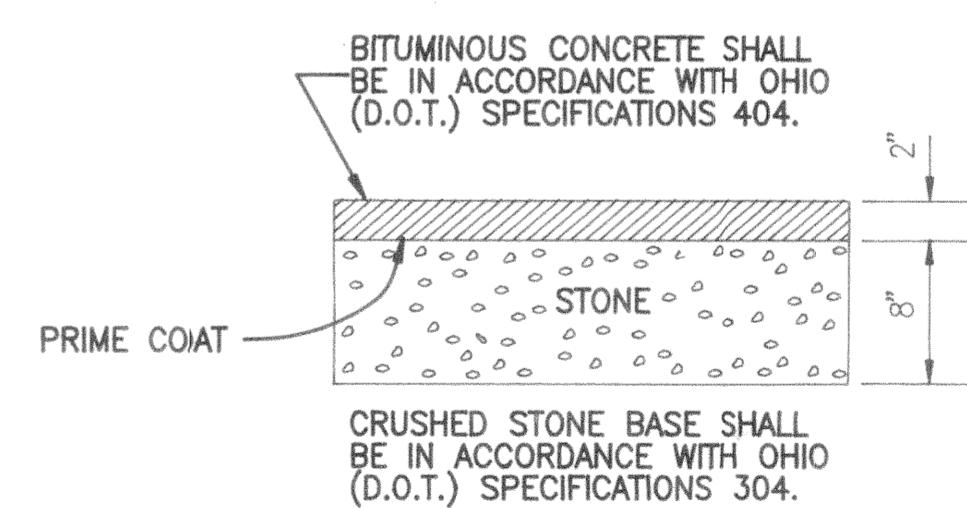
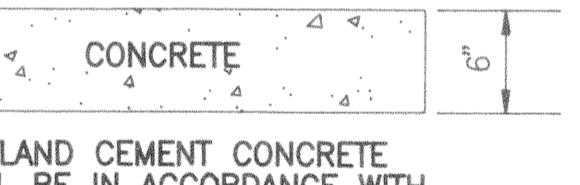
DETAIL OF BRANCH CONNECTION AND RISER PIPE
NO SCALE



CONCRETE ENCASEMENT
NO SCALE



NOTE: FOR TYPE "F" & "G" PAVEMENT REPLACEMENT DETAILS. SEE SHEET NO. 85.



PAVEMENT REPLACEMENT DETAILS
NO SCALE

WALK REPLACEMENT DETAIL
NO SCALE