

SEEDING PREPARATION

- 1) Chisel compaction area and spread topsoil 3 inches deep over adverse soil conditions, if available.
- 2) Rip the entire area to 6 inches depth.
- 3) Remove all loose rock, roots and other obstructions leaving surface reasonably smooth and uniform.
- 4) Apply agricultural lime, fertilizer, and superphosphate uniformly and mix with soil (see below).
- 5) Continue tillage until a well-pulverized, firm, reasonably uniform seedbed is prepared 4 to 6 inches deep.
- 6) Seed a freshly prepared seedbed and cover seed lightly with seeding equipment or outcrop after seeding.
- 7) Mutch immediately after seeding and anchor mulch.
- 8) Inspect all seeded areas and make necessary repairs or reseedings within the planting season, if possible. If stand should be over 80% developed, reseedings following original time, fertilizer and seeding rates.
- 9) Consult Conservation Inspector on maintenance treatment and fertilization after permanent cover is established.

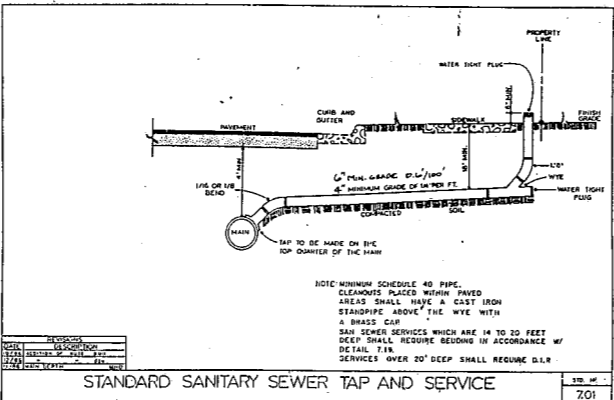
- Apply Agricultural Limestone = 2 Tons/Acre (2 Ton per Acre on clay soils)
- Fertilizer = 1,000 lbs./acre = 10-10-10
- Superphosphate = 500 lbs./acre = 20%
- Mulch = 4 Tons/Acre - small grain straw
- Anchor = Asphalt Emulsion @ 300 gal./acre

SEEDING SCHEDULE SHOULDERS, SIDE DITCHES, SLOPES (max. 3:1)

DATE	TYPE	PLANTING
Aug 15 - Nov 1	Tall Fescue	300 lbs/acre
Nov 1 - Mar 1	Tall Fescue & Annual Ryegrass	300 lbs/acre
Mar 1 - Apr 15	Tall Fescue	300 lbs/acre
Apr 15 - June 30	Hulled Common Bermudagrass	25 lbs/acre
July 15 - Aug 15	Tall Fescue and *** Bunchgrass Mix *** or Sorghum-Sudan Hybrids	35 lbs/acre
Mar 1 - June 1	Severca Leguminosa (scarified) and ADD Tall Fescue	50 lbs/acre
Mar 1 - Apr 15	ADD Tall Fescue	120 lbs/acre
Mar 1 - June 30	ADD Weeping Lovegrass or ADD Hulled Common Bermudagrass	10 lbs/acre
Mar 1 - June 30	ADD Hulled Common Bermudagrass	25 lbs/acre
June 1 - Sep 1	*** Tall Fescue and *** Downy Woodpecker *** or Sorghum-Sudan Hybrids	120 lbs/acre
Sep 1 - Mar 1	Severca Leguminosa (unsubulated-unscarified) and ADD Annual Ryegrass	70 lbs/acre
Nov 1 - Mar 1	ADD Annual Ryegrass	120 lbs/acre

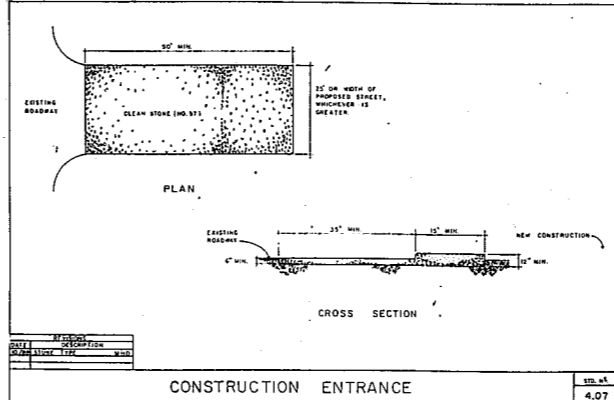
Consult Erosion Control Engineer or Soil Conservation Service for additional information concerning alternative for vegetation of denuded areas. The above vegetation rates are those which do well under local conditions; other seeding rate combinations are possible.

*** Temporary - Based according to optimum season for desired permanent vegetation. Do not allow temporary cover to grow over 12 inches in height before mowing; otherwise fence may be obscured.



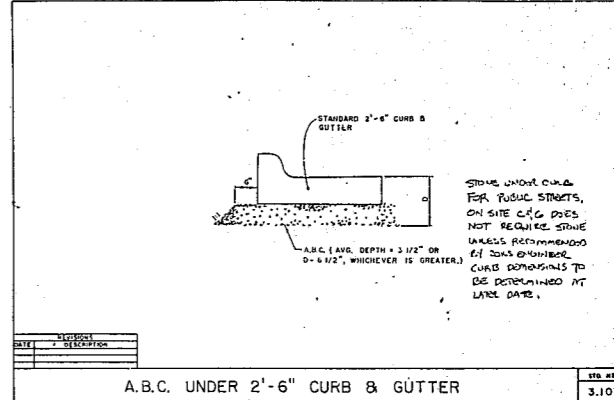
STANDARD SANITARY SEWER TAP AND SERVICE

STD. NO. 7.01



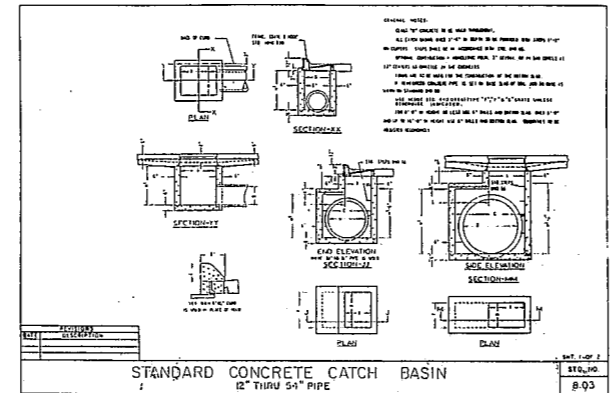
CONSTRUCTION ENTRANCE

STD. NO. 4.07



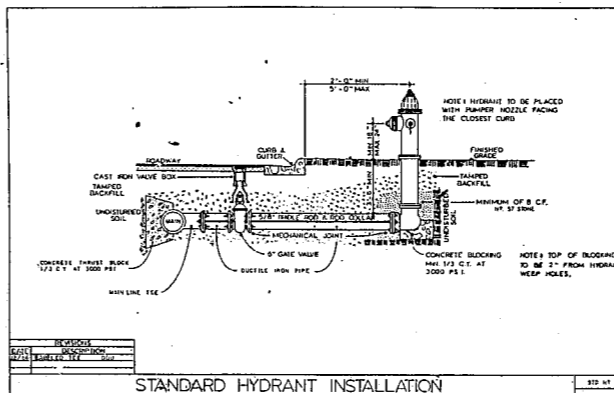
A.B.C. UNDER 2'-6" CURB & GUTTER

STD. NO. 3.10



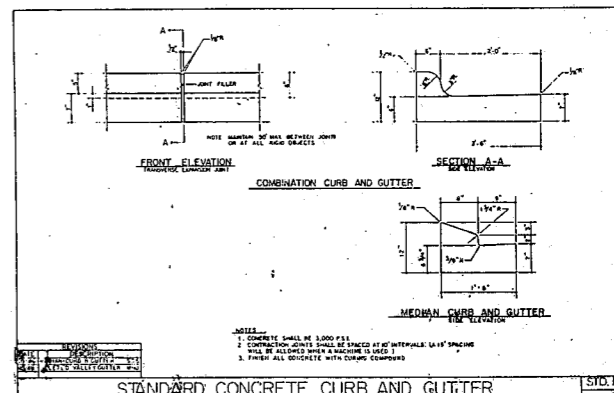
STANDARD CONCRETE CATCH BASIN

STD. NO. 8.03



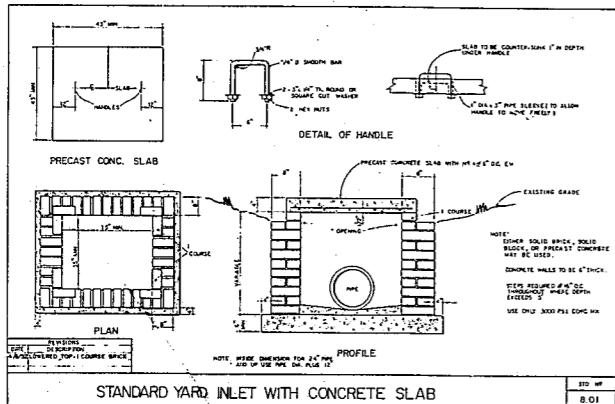
STANDARD HYDRANT INSTALLATION

STD. NO. 6.05



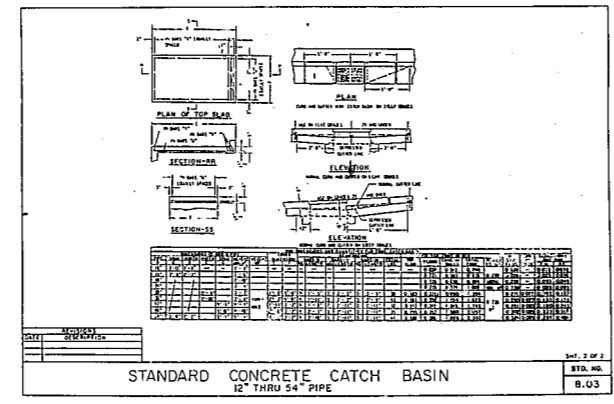
STANDARD CONCRETE CURB AND GUTTER

STD. NO. 3.11



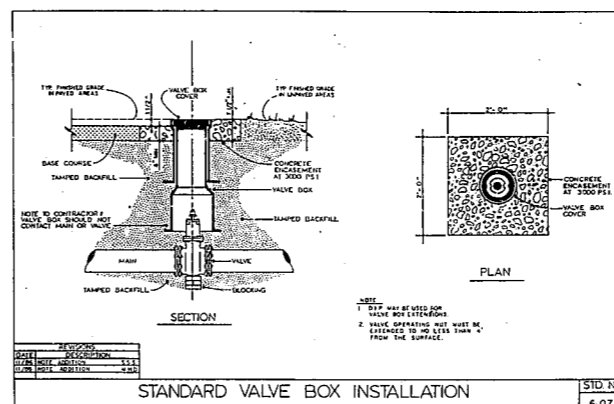
STANDARD YARD INLET WITH CONCRETE SLAB

STD. NO. 8.01



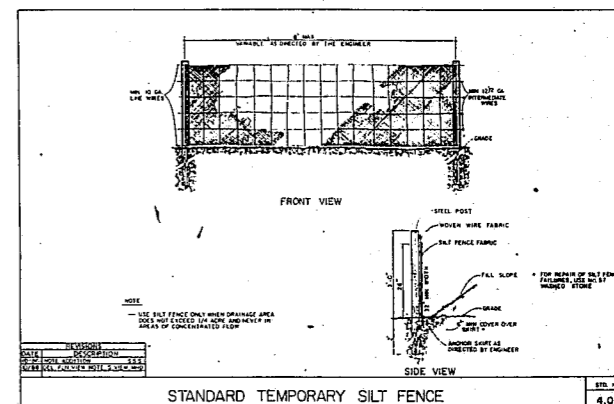
STANDARD CONCRETE CATCH BASIN

STD. NO. 8.03



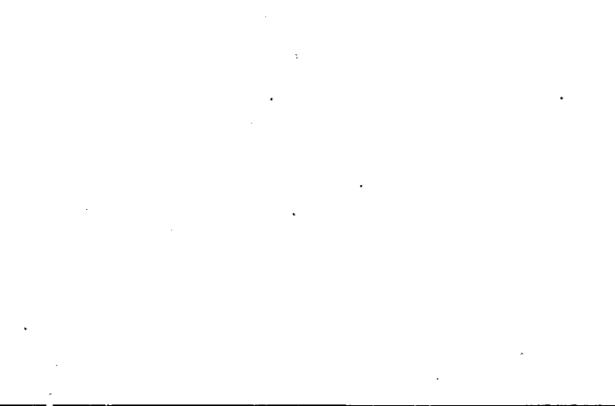
STANDARD VALVE BOX INSTALLATION

STD. NO. 6.07



STANDARD TEMPORARY SILT FENCE

STD. NO. 4.01



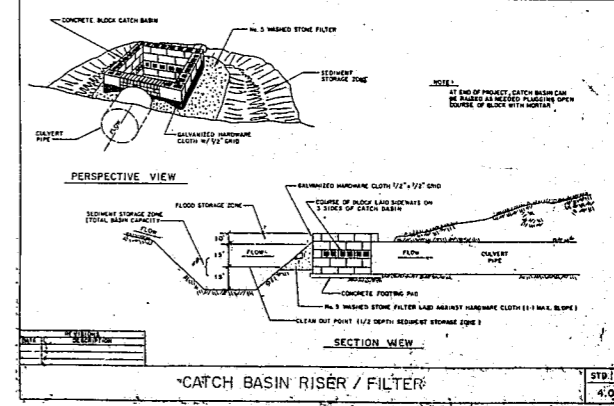
CONSTRUCTION SEQUENCE

- 1) Obtain Grading Permit.
- 2) Install all erosion control measures as shown.
- 3) Obtain Certificate of Compliance through on-site inspection by Town Erosion Control Engineer.
- 4) Proceed with grading.
- 5) Clean sediment basins when half full.
- 6) Seed and mulch denuded area within 30 days after finished grades are established.
- 7) Maintain soil erosion control measures until permanent ground cover is established.
- 8) Request final approval by Town Erosion Control Engineer.
- 9) Remove soil erosion control measures and stabilize these areas.

NO. 4 PIPE DIA. IN.	MINIMUM CONCRETE BLOCKING (C.Y.)*					
	DEAD ENDS	90° BEND	45° BEND	22 1/2° BEND	15° BEND	
4	1/3	1/3	1/3	1/3	1/3	
6	1/3	1/3	1/3	1/3	1/3	
8	1/3	1/3	1/3	1/3	1/3	
10	1/3	1/3	1/3	1/3	1/3	
12	1/4	1/4	1/4	1/4	1/4	
14	1/4	1/4	1/4	1/4	1/4	
16	1/3	1/3	1/3	1/3	1/3	
18	1/3	1/3	1/3	1/3	1/3	
20	1/2	1/2	1/2	1/2	1/2	
24	1/2	1/2	1/2	1/2	1/2	

STANDARD REACTION BLOCKING

STD. NO. 8.11



STANDARD CATCH BASIN RISER / FILTER

STD. NO. 4.05

Withers & Ravenel, P.A.
1149 EXECUTIVE CIRCLE; CARY, N.C. 27511; (919) 469-3340

No.	Description	Date	By
1	REVISED PERIODIC CONDITIONS	12-6-99	WJ

CARY AUTO MALL

CIVIL DETAILS

Designer	Scale
WBR	NA
Drawn By	Date
DDU	10 / 27 / 1989
Checked By	Job No.
WBR	22-89

Sheet No. **5**