

### SEEDBED PREPARATION

1. UNSEAL COMPACTED AREAS AND SPREAD TOPSOIL 3 INCHES DEEP OVER ADVERSE SOIL CONDITIONS IF AVAILABLE.
2. RIP THE CENTRE 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 ONLY A FRESHLY PREPARED AND COVER SEED LIGHTLY WITH SEEDING EQUIPMENT OR CULTIPACK AFTER SEEDING.
7. MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH.
8. INSPECT ALL SEEDING AREAS AND MAKE NECESSARY REPAIRS OR RESEEDINGS WITHIN THE PLANTING SEASON, IF POSSIBLE. IF STAND SHOULD BE COVER SOON DAMAGED, REESTABLISH FOLLOWING ORIGINAL LIME, FERTILIZER AND SEEDING RATES.
9. CONSULT CONSERVATION INSPECTOR ON MAINTENANCE TREATMENT AND FERTILIZATION AFTER PERMANENT COVER IS ESTABLISHED.

- \* APPLY: AGRICULTURAL LIMESTONE - 3 TONS/ACRE  
FERTILIZER - 10 - 10 - 10 ANALYSIS 1000 - 1000 LBS./ACRE  
SUPERPHOSPHATE - 500 LBS./ACRE OF 20% ANALYSIS SUPERPHOSPHATE  
MULCH - 2 TONS (APPROX. 80 BALES) SMALL DRAIN STRAW/ACRE  
ANCHOR - TACK WITH LIQUID ASPHALT AT 400 GALLONS/ACRE OR EMULSIFIED ASPHALT AT 300 GALLONS/ACRE.

### SEEDING SCHEDULE

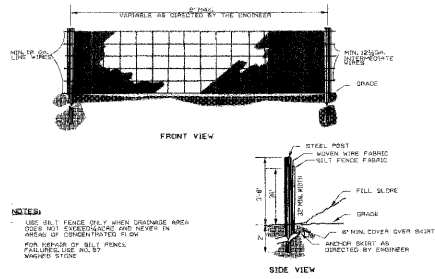
#### MINIMAL REQUIREMENTS FOR SLOPE STABILIZATION

STABILIZED WITH GRASS	3:1 AND FLATTER
STABILIZED WITH SHRUBS OR VINES	2:1 TO 2:1 1/2
STABILIZED WITH BIRCHMAP	2:1 TO 1.5:1
STABILIZED WITH RETAINING WALL	STEEPER THAN 1.5:1

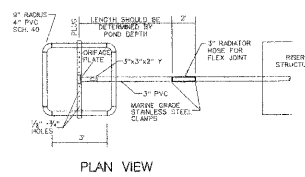
DATE	TYPE	PLANTING RATE
AUG. 15 - NOV. 1	TALL FESCUE	300 LBS./ACRE
NOV. 1 - MAR. 1	TALL FESCUE & ABRUZZI RYE	300 LBS./ACRE
MAR. 1 - APR. 15	TALL FESCUE	300 LBS./ACRE
APR. 15 - JUN. 30	MULLED COMMON BERMOUDAGRASS	125 LBS./ACRE
JUL. 1 - AUG. 15	TALL FESCUE AND ***BROWNTOP MILLET	30 LBS./ACRE
***OR SUDAN HYBRIDS	50 LBS./ACRE	
SLOPES 1:30 TO 2:1		
MAR. 1 - JUN. 1	SERICEA LESPEDEZA (SCARIFIED) AND TALL FESCUE	50 LBS./ACRE
MAR. 1 - JUN. 15	ADD TALL FESCUE	120 LBS./ACRE
MAR. 1 - JUN. 30	OR ADD WEEPING LOVEGRASS	10 LBS./ACRE
MAR. 1 - JUN. 30	OR ADD MULLED COMMON BERMOUDAGRASS	25 LBS./ACRE
JUN. 1 - SEP. 1	***TALL FESCUE AND ***BROWNTOP MILLET	100 LBS./ACRE
***OR SUDAN HYBRIDS	35 LBS./ACRE	
SEP. 1 - MAR. 1	SERICEA LESPEDEZA (MULLED-UNSCARIFIED) AND TALL FESCUE	50 LBS./ACRE
NOV. 1 - MAR. 1	ADD ABRUZZI RYE	150 LBS./ACRE

CONSULT CONSERVATION ENGINEER OR SOIL CONSERVATION SERVICE FOR ADDITIONAL INFORMATION CONCERNING OTHER ALTERNATIVES FOR VEGETATION OF DENIED AREAS. THE ABOVE VEGETATION RATES ARE THOSE WHICH DO WELL UNDER LOCAL CONDITIONS; OTHER SEEDING RATE COMBINATIONS ARE POSSIBLE.

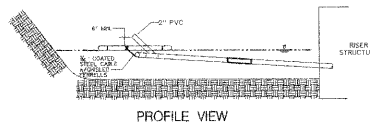
\*\*\*TEMPORARY - RESEED ACCORDING TO OPTIMUM SEASON FOR DESIRED PERMANENT VEGETATION. DO NOT ALLOW TEMPORARY COVER TO GROW OVER 12" IN HEIGHT BEFORE MOWING, OTHERWISE FESCUE MAY BE SHAVED OFF.



STANDARD TEMPORARY SILT FENCE

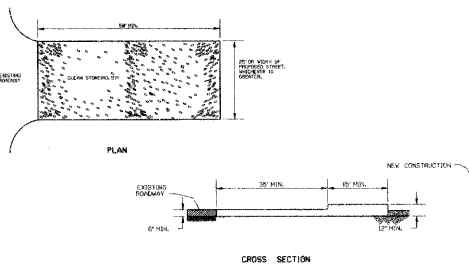


PLAN VIEW

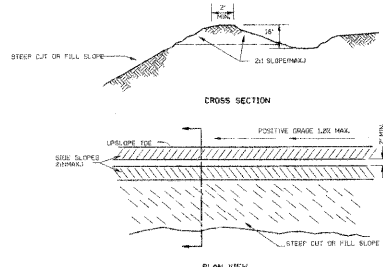


PROFILE VIEW

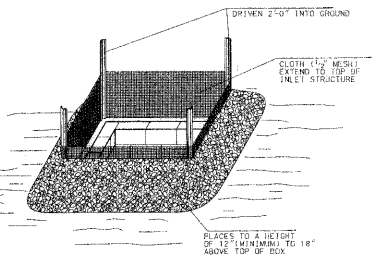
SOIL EROSION SKIMMER DETAIL FOR DETENTION BASIN



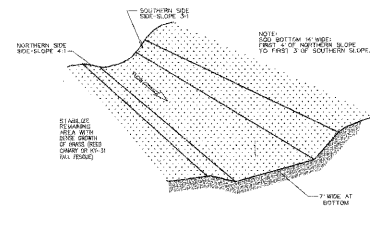
CONSTRUCTION ENTRANCE



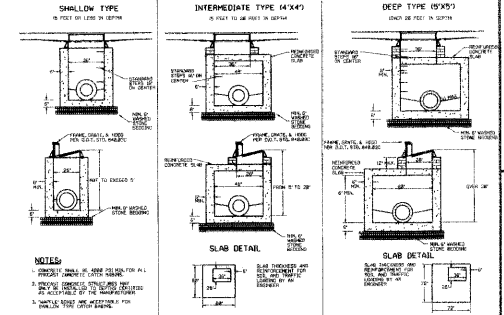
DIVERSION DITCH



STANDARD CATCH BASIN/YARD INLET PROTECTION



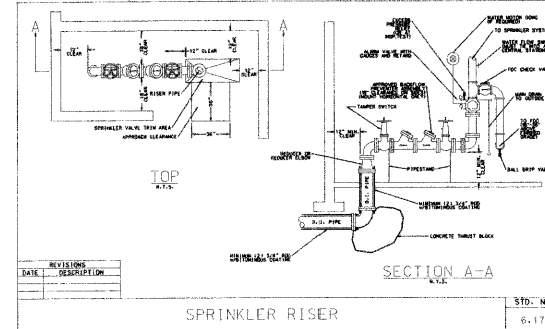
SCHEMATIC OF A GRASS SWALE



PRECAST CONCRETE CATCH BASIN

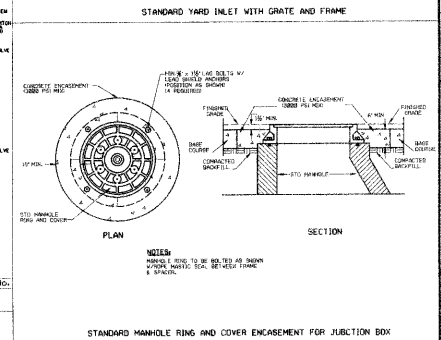
MIN. PIPE DIA. (IN.)	MINIMUM CONCRETE BLOCKING (CY) IN					
	18" DIA.	24" DIA.	30" DIA.	36" DIA.	42" DIA.	48" DIA.
4	5/2	1/2	1/2	1/2	1/2	1/2
6	1/2	1/2	1/2	1/2	1/2	1/2
8	1/2	1/2	1/2	1/2	1/2	1/2
10	2/3	1/2	1/2	1/2	1/2	1/2
12	1/2	1/2	1/2	1/2	1/2	1/2
14	1/2	1/2	1/2	1/2	1/2	1/2
16	1/2	1/2	1/2	1/2	1/2	1/2
18	1/2	1/2	1/2	1/2	1/2	1/2
20	1/2	1/2	1/2	1/2	1/2	1/2
24	1/2	1/2	1/2	1/2	1/2	1/2

STANDARD REACTION BLOCKING



SPRINKLER RISER

STD. NO. 6.17



STANDARD YARD INLET WITH GRATE AND FRAME

STANDARD MANHOLE RING AND COVER ENGAGEMENT FOR JUNCTION BOX

NOTE: ALL CONSTRUCTION MUST BE PERFORMED IN ACCORDANCE WITH CURRENT TOWN OF CARY STANDARD SPECIFICATIONS AND DETAILS.

APPROVED  
TOWN OF CARY

APPROVED BY: [Signature] DATE: 6-17-10  
PLANNING DATE: 6-17-10  
ENGINEERING DATE: 6-17-10



**BNK**

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NO.	DATE	DESCRIPTION	BY

**CARY CHURCH OF GOD**  
CARY, NORTH CAROLINA

SHEET C4.2 OF