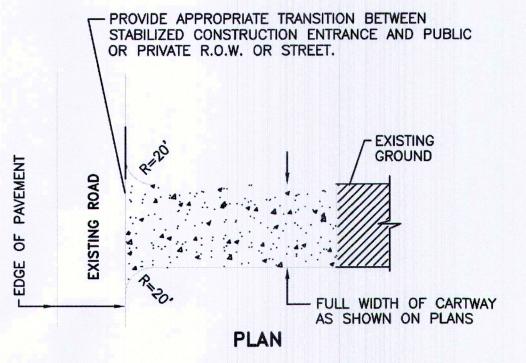
FENCE POSTS SHALL BE SPACED 8 FEET CENTER-TO-CENTER OR CLOSER. THEY SHALL EXTEND AT LEAST 2 FEET INTO THE GROUND AND EXTEND AT LEAST 2 FEET ABOVE GROUND (FIG. 23-2). POSTS SHALL BE

"SUPER" SILT FENCE — A METAL FENCE WITH 6 INCH OR SMALLER MESH OPENINGS AND AT LEAST 2 FEET HIGH MAY BE UTILIZED, FASTENED TO THE FENCE POSTS, TO PROVIDE REINFORCEMENT AND SUPPORT TO THE GEOTEXTILE FABRIC. POSTS MAY BE SPACED LESS THAN 8 FEET ON CENTER AND MAY BE CONSTRUCTED OF HEAVIER WOOD OR METAL AS NEEDED TO WITHSTAND HEAVIER SEDIMENT LOADING. THIS PRACTICE IS APPROPRIATE WHERE SPACE FOR OTHER PRACTICES IS LIMITED AND HEAVY SEDIMENT LOADING IS EXPECTED. "SUPER" SILT FENCE IS NOT TO BE USED IN PLACE OF PROPERLY DESIGNED DIVERSIONS (PG. 15-1) WHICH MAY BE NEEDED TO CONTROL SURFACE RUNOFF RATES AND VELOCITIES.

A GEOTEXTILE FABRIC, RECOMMENDED FOR SUCH USE BY THE MANUFACTURER, SHALL BE BURIED AT LEAST 6 INCHES DEEP IN THE GROUND. THE FABRIC SHALL EXTEND AT LEAST 2 FEET ABOVE THE GROUND. THE FABRIC MUST BE SECURELY FASTENED TO THE POSTS USING A SYSTEM CONSISTING OF METAL FASTENERS (NAILS OR STAPLES) AND A HIGH STRENGTH REINFORCEMENT MATERIAL (NYLON WEBBING, GROMMETS, WASHERS ETC.) PLACED BETWEEN THE FASTENER AND THE GEOTEXTILE FABRIC. THE FASTENING SYSTEM SHALL RESIST TEARING AWAY FROM THE POST. THE FABRIC SHALL INCORPORATE A DRAWSTRING IN THE TOP PORTION OF THE FENCE FOR ADDED STRENGTH.

SIT FENCE DETAIL

NO SCALE

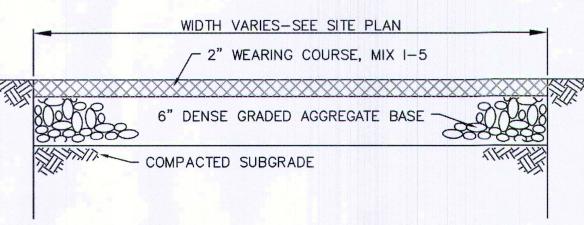


EXIST. ROAD -8" MINIMUM LAYER - SEE NOTE 2 **EXISTING** GROUND The second of the second of FILTER FABRIC LINER SECTION

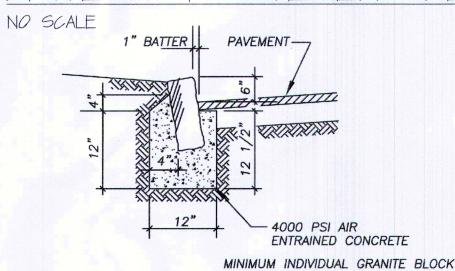
1. PLACE STABILIZED CONSTRUCTION ENTRANCE AT LOCATION

- 2. STONE SIZE SHALL BE ASTM C-33, SIZE NO. 2 OR 3, CLEANED CRUSHED
- 3. THE THICKNESS OF THE STABILIZED CONSTRUCTION ENTRANCE SHALL NOT BE LESS THAN 8".
- 4. WIDTH NOT LESS THAN FULL WIDTH OF POINTS OF INGRESS OR EGRESS. 5. THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO THE R.O.W./PAVEMENT. THIS REQUIRES PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR ADDITIONAL LENGTH AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURE USED TO TRAP
- SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO THE PUBLIC ROADWAY MUST BE REMOVED IMMEDIATELY.

TRACKING PAD DETAIL NO SCALE



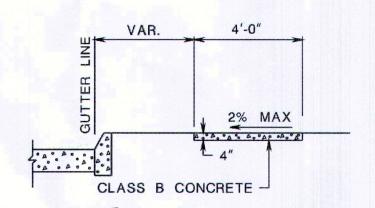
DRIVE WAY PAVEMENT DETAIL



GRANITE CURB DETAIL

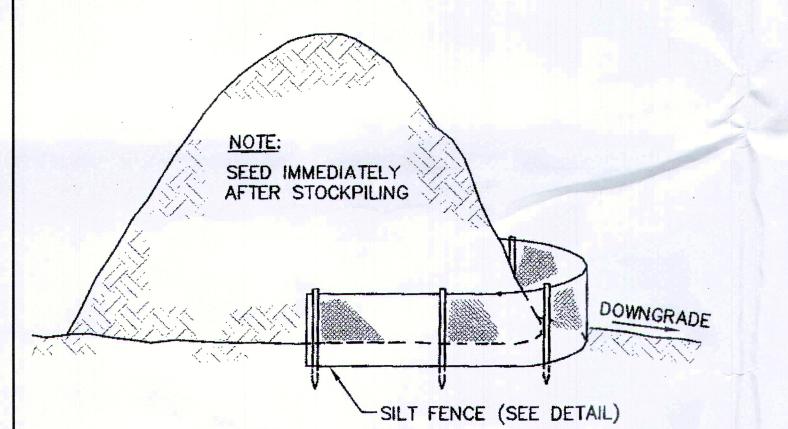
DIMENSION TO BE 5-1/2"x10"x4"

NO SCALE



CONCRETE SIDE WALK DETAIL

NO SCALE



SOIL STOCK PILE DETAIL

NO SCALE

WOOD SNOW FENCE PLACE METAL POSTS EVERY

1. SNOW FENCING SHOULD BE INSTALLED AT DRIP LINE OF TREE BRANCHES.

3. FEEDER ROOTS SHOULD NOT BE CUT INSIDE THE TREE BRANCHES DRIP LINE.

4. TREE LIMB REMOVAL, WHERE NECESSARY, WILL BE DONE TO TRUNK OR MAIN

5. ALL TREES INSIDE THE LIMIT OF DISTURBANCE TO BE PRESERVED MUST BE

(PRIOR TO WORK BEING COMPLETED) TO THE TOWNSHIP FORESTER FOR

8' ANCHOR POSTS 3' INTO GROUND

TREE PROTECTION DETAIL

PROTECTED WITH ORANGE TREE PROTECTION FENCE.

TREE PROTECTION NOTES:

APPROVAL

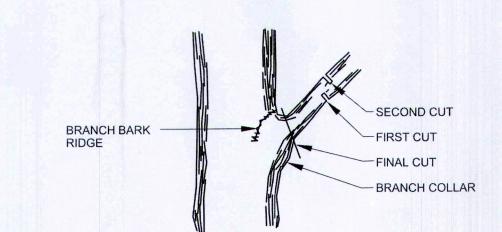
2. NO BOARDS ARE TO BE NAILED TO TREES.

Estimate a tree's Protected Root Zone (PRZ) by calculating the Critical Root Radius (CRR).

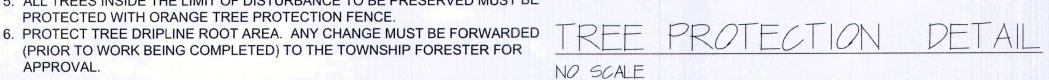
- 1. Measure the DBH (Diameter of tree at breast height, 4.5 feet above ground on the uphill side of
- 2. Multiply measured DBH by 1.5 or 1.0. Express the result in feet.

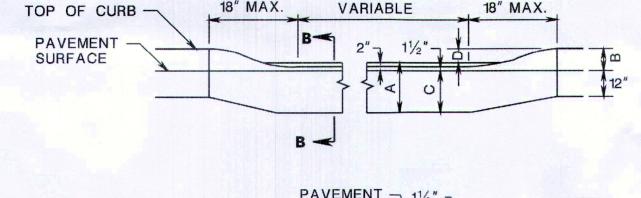
DBH x 1.5: Critical Root Radius for older, unhealthy, or sensitive species.

DBH x 1.0: Critical Root Radius for younger, healthy or tolerant species.



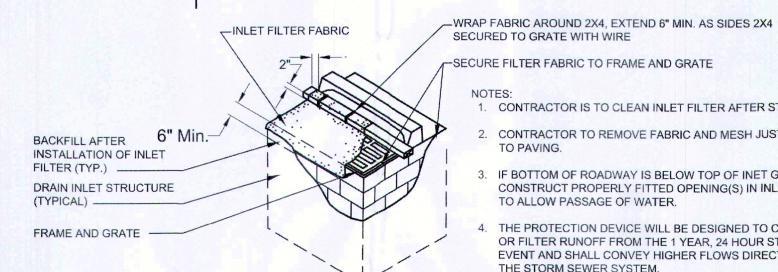
TREE LIMB REMOVAL DETAIL





				SURI
CURB SIZE	DIM. A	DIM. B	DIM.	DIM. D
9" x 16"	16"	4"	14"	2"
9" x 18"	18"	6"	16"	4"

CURB DEPRESSION DETAIL AT DRIVE WAY NO SCALE



INLET PROTECTION

NO SCALE

SECURED TO GRATE WITH WIRE -SECURE FILTER FABRIC TO FRAME AND GRATE 1. CONTRACTOR IS TO CLEAN INLET FILTER AFTER STORM. 2. CONTRACTOR TO REMOVE FABRIC AND MESH JUST PRIOR

> 3. IF BOTTOM OF ROADWAY IS BELOW TOP OF INET GRATE, CONSTRUCT PROPERLY FITTED OPENING(S) IN INLET WALL TO ALLOW PASSAGE OF WATER.

> THE PROTECTION DEVICE WILL BE DESIGNED TO CAPTURE OR FILTER RUNOFF FROM THE 1 YEAR, 24 HOUR STORM EVENT AND SHALL CONVEY HIGHER FLOWS DIRECTLT INTO THE STORM SEWER SYSTEM.

ROOF LEADER IN LINE "Y" SURCHARGE PIPE -SPLASH BLOCK 18" XI8" STEEL GRATE OVERFLOW 60 X 5.0 DEEP CONCRETE PERFORATED DETENTION TANK FILTER FABRIC SURROUND TANK WITH 2-1/2" CRUSH RETENTION TANK DETAIL STONE W/FILTER FABRIC MIRAFI 140 NO SCALE NSL OR EQUAL

WATER QUALITY ENHANCEMENT

SEDIMENTS DEPOSITED AS "DUST" ARE OFTEN FINE COLLOIDAL MATERIAL. WHICH IS EXTREMELY DIFFICULT TO REMOVE FROM WATER ONCE IT BECOMES SUSPENDED USE OF THIS STANDARD WILL HELP TO CONTROL THE GENERATION OF DUST FROM CONSTRUCTION SITES AND SUBSEQUENT BLOWING AND DEPOSITION INTO LOCAL SUBSEQUENT BLOWING AND DEPOSITION INTO LOCAL SURFACE WATER RESOURCES. PLANNING CRITERIA
THE FOLLOWING METHODS SHOULD BE CONSIDERED FOR CONTROLLING DUST:

THE CONTROL OF DUST ON CONSTRUCTION SITES AND ROADS

DAMAGE AND HEALTH HAZARDS AND IMPROVE TRAFFIC SAFETY

MULCHES - SEE STANDARD OF STABILIZATION WITH MULCHES ONLY, PG. 5-1 VEGETATIVE COVER - SEE STANDARD FOR: TEMPORARY VEGETATIVE COVER, PG. 7-1, PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION PG. 4-1 AND PERMANENT STABILIZATION WITH SOD, PG. 6-1 SPRAY-ON ADHESIVES - ON MINERAL SOILS (NOT EFFECTIVE ON MUCK SOILS). KEEP TRAFFIC OFF THESE

STANDARD FOR DUST CONTROL

PURPOSE
TO PREVENT BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES, REDUCED ON-SITE AND OFF-SITE

CONDITION WHERE PRACTICE APPLIES

THIS PRACTICE IS APPLICABLE TO AREAS SUBJECT TO DUST BLOWING AND MOVEMENT WHERE ON-SITE AND OFF-SITE DAMAGE IS LIKELY WITHOUT TREATMENT. CONSULT WITH LOCAL MUNICIPAL ORDINANCES ON ANY

TARIE 18-1 DUST CONTROL MATERIALS

MATERIAL	WATER TYPE OF NOZZLE		APPLY GALLONS/ACRE			
ANIONIC ASPHALT EMULSION	7:1	. COARSE SPRAY	1200			
LATEX EMULSION	. 12.5:1	FINE SPRAY				
RESIN IN WATER	4:1	FINE SPRAY	300			
POLYACRYLAMIDE (PAM) -SPRAY ON POLYACRYLAMIDE (PAM) - DRY SPREAD	APPLY ACCORDING TO MANUFACTURER'S INSTRUCTIONS. MAY ALSO BE USED AS AN ADDITIVE TO SEDIMENT BASINS TO FLOCCULATE AND PRECIPITATE SUSPENDED COLLOIDS. SEE SEDIMENT BASIN STANDARD, P. 26-1					
ACIDULATED SOY BEAN SOAP STICK	NONE	COARSE SPRAY	1200			

TILLAGE - TO ROUGHEN SURFACE AND BRING CLODS TO THE SURFACE. THIS IS A TEMPORARY EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE SOIL BLOWING STARTS. BEGIN PLOWING ON WINDWARD SIDE OF SITE. CHISEL-TYPE PLOWS SPACED ABOUT 12 INCHES APART AND SPRING-TOOTHED HARROWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT.

SPRINKLING - SITE IS SPRINKLED UNTIL THE SURFACE IS WET.

BARRIERS- SOLID BOARD FENCES, SNOW FENCES, BÜRLAP FENCES, CRATE WALLS, BALES OF HAY AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING.

CALCIUM CHLORIDE - SHALL BE IN THE FORM OF LOOSE, DRY GRANULES OR FLAKES FINE ENOUGH TO FEED THROUGH COMMONLY USED SPREADERS AT A RATE THAT WILL KEEP SURFACE MOIST BUT NOT CAUSE POLLUTION OR PLANT DAMAGE. IF USED ON STEEPER SLOPES, THEN USE OTHER PRACTICES TO PREVENT WASHING INTO STREAMS OR ACCUMULATION AROUND PLANTS.

STONE-COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL

TEMPORARY VEGETATIVE STABILIZATION GRASSES, SEEDING RATES, DATES AND DEPTHS

SEED SELECTIONS		G RATE (1) ounds)	OPTIM based o	OPTIMUM SEEDING DEPTH (3)			
	Per Acre	Per 1000 Sq. Ft.	ZONE 5b, 6s	ZONE 6b	ZONE 7a, 7b	(inches)	
COOL SEASON GRASSES							
PERENNIAL RYEGRASS	40	1.0	3/15-6/1 8/1-9/15	3/1-5/15 8/15-10/1	2/15-5/1 8/15-10/15	0.5	
SPRING OATS	86	2.0	3/15-6/1 8/1-9/15	3/1-5/15 8/15-10/1	2/15-5/1 8/15-10/15	1.0	
WINTER BARLEY	96	2.2	8/1-9/15	8/15-10/1	8/15-10/15	1.0	
WINTER CEREAL RYE	112	2.8	8/1-11/1	8/1-11/15	8/1-12/15	1.0	
WARM SEASON GRASSES							
PEARL MILLET	20	0.5	6/1-8/1	5/15-8/15	5/1-9/1	1.0	
MILLET(GERMAN OR HUNGARIAN)	30	0.7	6/1-8/1	5/15-8/15	5/1-9/1	1.0	
WEEPING LOVEGRASS	5	0.2	6/1-8/1	5/15-8/15	5/1-9/1	0.25	

PERMANENT VEGETATIVE COVER

APPLICATION	SEED SELECTIONS	SEEDING RATE (pounds/Acre)	LIMESTONE (tons/Acre)	FERTILIZER (lbs/Acre)	OPTIMUM SEEDING DATES
RESIDENTIAL/COMMERCIAL LOTS	TURF TYPE TALL FESCUE	150	2	50 10-20-10	3/1-4/30 & 8/15-11/15
DRAINAGE DITCHES	REED CANARY GRASS	25			
SWALES AND DETENTION BASINS	KENTUCKY BLUEGRASS	60	2	50 10-20-10	3/1-4/30 & 8/15-11/15

1. SEEDING RATE FOR WARM GRASS, SELECTION 5-7 SHALL BE ADJUSTED TO REFLECT THE AMOUNT OF PURE LINE SEED (PLS) AS DETERMINED BY A GERMINATION TEST RESULT. NO ADJUSTMENT IS REQUIRED FOR COOL SEASON GRASSES

2. MAY BE PLANTED THROUGHOUT SUMMER, IF SOIL MOISTURE IS ADEQUATE OR SEEDED AREA CAN BE IRRIGATED

3. TWICE THE DEPTH FOR SANDY SOILS

RETENTION TANK CALCULATIONS

-STORE 3" OF RUNOFF FROM NEW IMPERVIOUS AREA: 1463 SF -STORAGE VOL REQUIRED = 1463 SF X 1/2 = 365 CU. FT -TYPICAL DRYWELL: 8 X 8 X 6 DEEP STONE BED W/ 50 X 5 DEEP PRECAST CONC. SEEPAGE TANKS .-DISPLACEMENT VOL. OF SEEPAGE TANK:

 $\Pi \times r^2 \times h = \Pi \times (2.5)^2 \times 5 = 98 \text{ CU. FT}$ -STORAGE VOL OF SEEPAGE TANKS: $\Pi \times r^2 \times h = \Pi \times (2.25)^2 \times r^2 \times h = 10^{-10} \times 10^{-$ 4.5=71.5 CU. FT.

-VOL OF BED: 8 X 8 X 6.0 = 384 CU. FT. -STORAGE VOL. OF BED: (VOL. STONE- DISP. VOL OF TANK) X .4 $VOIDS = 384 - 98 \times .4 = ||4|$ STORAGE VOL. OF DRYWELL: BED VOL + TANK VOL. = 114.4 + 71.5

=186 CU. FT. (2) 5' Ø X 5.0' DEEP PRECAST CONCRETE SEEPAGE TANK IN 16' X 8' X 6' DEEP STONE BED. 365<372 OK

SP-2

X V \triangleleft SS

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335-25X **88888**

12-20-22 12-20-23 2-01-24

6-01-21

JOB NUMBER 15-41 CHECK CM