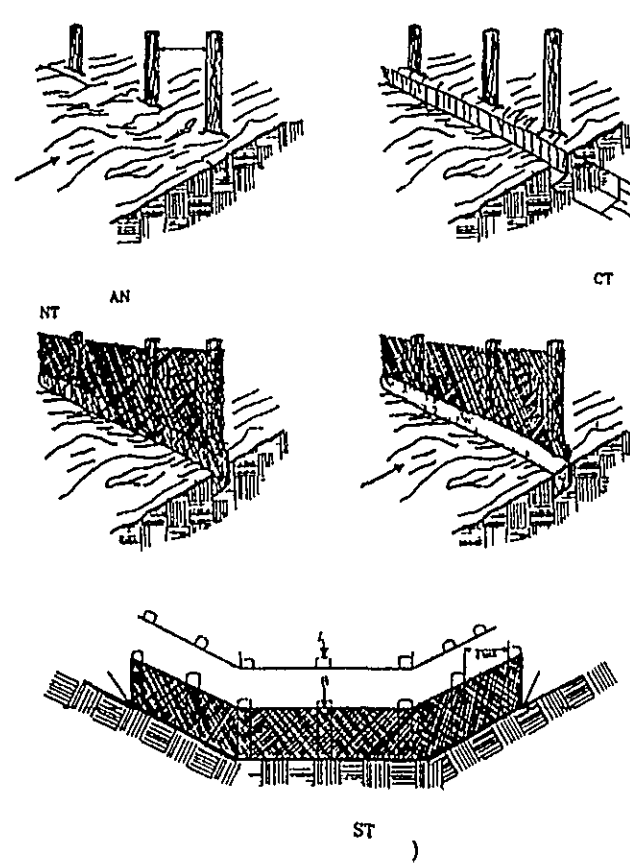
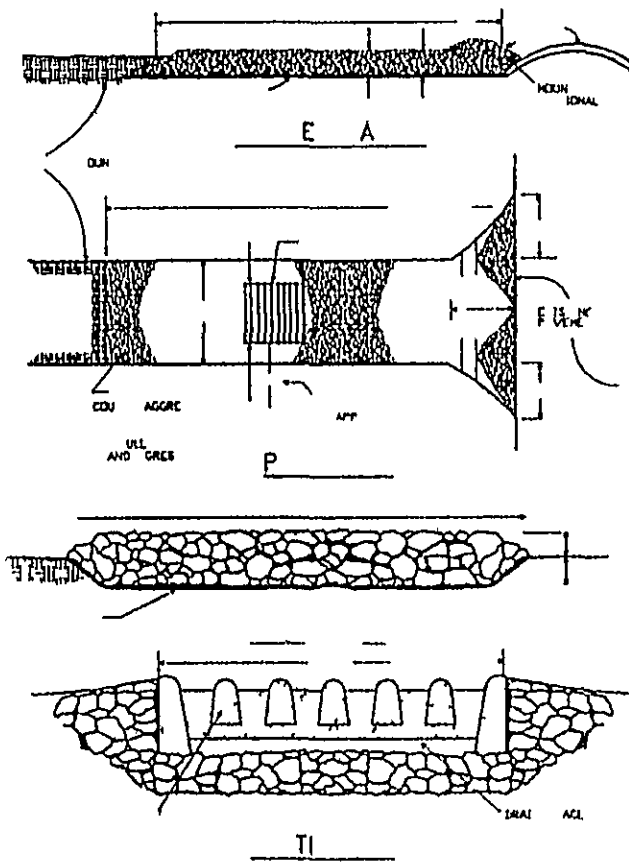


SIONI CONSTRUCTION ENTRANCE

CONSTRUCTION OF A SILT FENCE (WITHOUT VIBR SUPPORT)



TO 48 CONC PIPE
DA 49.5 AC
TC 22 MIN
(SEE ATTACHMENT)

DRIVE

MARINA BAY

TO 18 CMP
DA 230 AC
TC 16.8 MIN

TO 18 CMP
DA 337 AC
TC 14 MIN

TO 18 CMP
DA 160 AC
TC 15.3 MIN

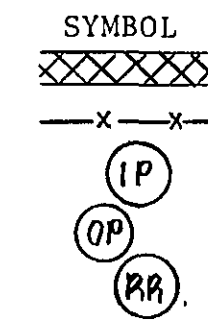
TO 18 CMP
DA 177 AC
TC 15 MIN

SMITH

MOUNTAIN

LAKE

EROSION CONTROL LEGEND		
NO.	TITLE	KEY
3.02	TEMPORARY GRAVEL CONSTRUCTION ENTRANCE	CE
3.05	SILT FENCE	SF
3.07	STORM DRAIN INLET PROTECTION	IP
3.18	OUTLET PROTECTION	OP
3.19	RIPRAP	RR



EROSION CONTROL NARRATIVE

EROSION AND SEDIMENT CONTROL MEASURES

UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK.

MANAGEMENT STRATEGIES

- CONSTRUCTION SHOULD BE SEQUENCED SO THAT GRADING OPERATIONS CAN BEGIN AND END AS QUICKLY AS POSSIBLE.
- SEDIMENT TRAPPING MEASURES SHALL BE INSTALLED AS A FIRST STEP IN GRADING AND SHALL BE SEDED AND MULCHED IMMEDIATELY FOLLOWING INSTALLATION.
- TEMPORARY SEEDING OR OTHER STABILIZATION SHALL FOLLOW IMMEDIATELY AFTER GRADING.
- AREAS WHICH ARE NOT TO BE DISTURBED SHALL BE CLEARLY MARKED.
- FIELD INSPECTIONS DURING CONSTRUCTION MAY REQUIRE ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES.
- THE DEVELOPER SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL PRACTICES.

PERMANENT STABILIZATION

ALL AREAS DISTURBED BY CONSTRUCTION WILL BE STABILIZED WITH PERMANENT SEEDING IMMEDIATELY FOLLOWING FINISH GRADING. SEEDING WILL BE DONE ACCORDING TO STANDARD AND SPECIFICATION 3.32 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK. PERMANENTLY SEEDER AREAS SHALL BE PROTECTED DURING ESTABLISHMENT WITH STRAW MULCH.

MAINTENANCE

IN GENERAL, ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CHECKED WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL. THE FOLLOWING ITEMS WILL BE CHECKED IN PARTICULAR:

- ALL SEDIMENT TRAPPINGS WILL BE CHECKED REGULARLY FOR NECESSARY SEDIMENT REMOVAL.
- ALL STORM DRAIN INLETS AND OUTLETS WILL BE CHECKED REGULARLY FOR SEDIMENT BUILDUP.
- ALL SILT BARRIERS WILL BE CHECKED REGULARLY FOR UNDERMINING OR DETERIORATION.
- ALL SEEDER AREAS WILL BE CHECKED REGULARLY TO SEE THAT GOOD STABILIZATION IS MAINTAINED. AREAS SHOULD BE FERTILIZED AND RESEDED AS NEEDED.

EROSION CONTROL NOTES:

- EROSION CONTROL DEVICES TO BE IN PLACE PRIOR TO ANY GRADING OPERATIONS.
- REGULAR MAINTENANCE IS TO BE PERFORMED AS NEEDED FOLLOWING EACH RAINFALL.
- ALL CUT AND FILL SLOPES TO BE SEDED AND MULCHED AS SOON AS POSSIBLE AFTER GRADING OF LOTS.
- EROSION CONTROL DEVICES TO REMAIN IN PLACE UNTIL ALL DISTURBED AREAS HAVE ADEQUATE GROUND COVER.
- THIS PLAN TO BE APPROVED AND LAND DISTURBANCE PERMIT TO BE OBTAINED PRIOR TO GRADING OF LOTS.
- UPON INSPECTION OF THE EROSION CONTROL DEVICES THE COUNTY ENGINEER MAY REQUIRE THAT FURTHER STEPS BE TAKEN TO CONTROL SILT.
- REFERENCES TO STANDARD DRAWINGS REFER TO THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, THIRD EDITION, 1992.

PERMANENT SEEDING NOTES:

- PRIOR TO SEEDING ALL LAWN AREAS SHALL RECEIVE PULVERIZED AGRICULTURAL LIMESTONE AT A RATE OF 90 LBS./1000 S.F. AND FERTILIZED AT A RATE OF 15 LBS./1000 S.F. OF 10-20-10. WORK FERTILIZER INTO SOIL TO A DEPTH OF 3 INCHES.
- LAWN AREAS SHALL BE SEDED WITH K-31, A BLEND OF 4 OR MORE VARIETIES 100% (CERTIFIED SEED) AT THE RATE OF 3 LBS./1000 K-31 MINIMUM SEED PURITY 80% MINIMUM GERMINATION 85%
- AFTER SOWING, SEED SHALL BE ROLLED AND MULCHED WITH STRAW AT THE RATE OF 80 LBS./1000 S.F.

CONSTRUCTION PHASING

- INSTALL CONSTRUCTION ENTRANCE
- GRADE ROAD AND STABILIZE
- INSTALL UTILITIES
- STABILIZE DENUDE AREAS AS REQUIRED.
- PAVE ROAD.

REVISION	DATE	DESCRIPTION
DESIGNED	VKL	EROSION CONTROL & DRAINAGE DIVIDES FOR SECTION No. 7 "THE WATERS EDGE"
DRAWN	VWB	PREPARED FOR WILLARD CONSTRUCTION OF ROANOKE VALLEY, INC.
CHECKED	VKL	UNION HALL MAGISTERIAL DISTRICT FRANKLIN COUNTY, VIRGINIA
LUMSDEN ASSOCIATES, P.C. ENGINEERS-SURVEYORS-PLANNERS ROANOKE, VIRGINIA		SCALE 1" = 100' DATE 29 JULY 1993 COMM 93-70 SHEET 8 of 9

