

EROSION CONTROL NOTES:

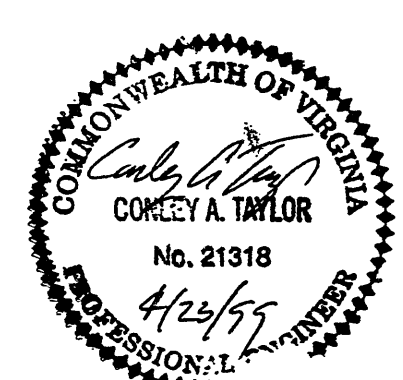
1. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE "VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK". THE CONTRACTOR SHALL BE THOROUGHLY FAMILIAR WITH ALL APPLICABLE MEASURES CONTAINED THEREIN WHICH MAY BE PERTINENT TO THIS PROJECT.
2. ALL DENUDED AREAS ON SITE SHALL BE STABILIZED WITHIN SEVEN DAYS OF REACHING FINAL GRADE WITH PERMANENT VEGETATION OR A PROTECTIVE GROUND COVER SUITABLE FOR THE TIME OF YEAR.
3. DRAINAGE STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT VIRGINIA DEPARTMENT OF TRANSPORTATION (VDOT) DESIGN STANDARDS AND ROAD AND BRIDGE SPECIFICATIONS.
4. LENGTHS OF LINES INDICATED ON THE DRAWINGS FOR UTILITY SYSTEMS ARE APPROXIMATE ONLY AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY FOR DETERMINING THE EXACT AMOUNT OF PIPING REQUIRED TO FURNISH A COMPLETE WORKING SYSTEM IN ACCORDANCE WITH THE INTENT OF THE DRAWINGS.
5. THE CONTRACTOR SHALL DEVELOP AND IMPLEMENT AN EROSION AND SEDIMENT CONTROL PLAN IN ACCORDANCE WITH THE VIRGINIA EROSION AND SEDIMENT CONTROL LAW, REGULATIONS, AND 1992 HANDBOOK. THE CONTRACT PLANS AND SPECIFICATIONS INDICATE MINIMUM EROSION CONTROL REQUIREMENTS AND SHALL BE SITE ADAPTED AND MODIFIED TO SUIT THE SEQUENCE OF CONSTRUCTION OPERATIONS.
6. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS OF THE SEDIMENT CONTROL HANDBOOK.
7. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN CONSTRUCTION.
8. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
9. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE PLAN APPROVING AUTHORITY.
10. ALL DISTURBED AREAS ARE TO BE DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING LAND DISTURBING ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED.
11. THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF-PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANING TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY.
12. DUST CONTROL SHALL BE PROVIDED BY THE CONTRACTOR DURING THE ENTIRE CONSTRUCTION PERIOD. ALL DISTURBED OR DENUDED AREAS SHALL BE MAINTAINED WITH DUST SUPPRESSORS (WATER CALCIUM CHLORIDE, ETC.) TO PROHIBIT ENVIRONMENTAL CONTAMINATION.
13. THE TEMPORARY CONSTRUCTION ENTRANCES SHALL BE CONSTRUCTED AND MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OF MATERIALS ONTO ROADWAY PAVEMENTS. GRAVEL SURFACES SHALL BE REGRADED AND GRAVEL ADDED AS CONDITIONS DEMAND. ALL MATERIALS TRACKED ONTO ROADWAY SHALL BE IMMEDIATELY REMOVED.

14. DURING DEWATERING, THE EFFLUENT WILL BE PUMPED INTO AN APPROVED FILTERING DEVICE, OR FILTERED ON THE INLET END AND DUMPED TO A STABILIZED AREA.
15. IF THE GRAVEL FILTERS (CURB INLET PROTECTION) BECOME CLOGGED WITH SEDIMENT SO THAT THEY NO LONGER PERFORM THEIR FUNCTION, THE GRAVEL MUST BE REMOVED, CLEANED AND REPLACED (OR PROVIDE NEW GRAVEL).
16. ALL STORM INLETS AND PIPES SHALL BE CLEANED OF ERODED MATERIALS DURING THE LAST STAGES OF CONSTRUCTION.
17. THE SEEDING AREAS WILL BE CHECKED REGULARLY TO ENSURE THAT A GOOD STAND IS MAINTAINED. AREA SHOULD BE FERTILIZED AND RESEED AS NEEDED.
18. SILT FENCE BARRIERS WILL BE CHECKED REGULARLY FOR UNDERMINING OR DETERIORATION OF THE FABRIC. SEDIMENT SHALL BE REMOVED WHEN THE LEVEL OF SEDIMENT DEPOSITION REACHES HALF WAY TO THE TOP OF THE BARRIER.
19. STREETS AND PARKING AREAS SHALL BE STABILIZED WITH AGGREGATE BASE MATERIAL WITHIN FIFTEEN DAYS OF FINAL GRADING.
20. ALL CONTROL DEVICES, INCLUDING THOSE EXISTING AT THE START OF THIS CONTRACT, SHALL BE REMOVED DURING FINAL STAGES OF CONSTRUCTION. ANY AREA DAMAGED BY THE DEVICES OR THEIR REMOVAL SHALL BE REPAIRED AND TIERED.

1"=60'
60' 30' 0' 60' 120'

WATER DEPARTMENT	
ROANOKE	VIRGINIA
INNOTECH	
JOHNSON & JOHNSON	
VISION PRODUCTS, INC.	
SCALE: 1"=60'	
DATE: June 8, 1999	
DIST. MAP: 245	
PLAN NO: 99-03	
MANAGER WATER DEPARTMENT	

DESIGNED CAT	DATE	DESCRIPTION	BY	APP
DRAWN CAT				
CHECKED PPA				
APPROVED PPA				
SUBMITTED BJF				
INNOTECH®				
2797 Frontage Rd. # 616001				
CIVIL COMPOSITE UTILITY PLAN				
HAYES, SEAY, MATTERN & MATTERN, INC.			SCALE	COMM.
ARCHITECTS - ENGINEERS - PLANNERS			1"=60'	NO. 6389F
1315 FRANKLIN ROAD, SW			DATE	SHEET
ROANOKE, VA 24016			23 APR 99	



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