EROSION & SEDIMENT CONTROL NARRATIVE

The purpose of this project is to construct and install three new sewer manholes with appropriate connecting lines and laterals.

ADJACENT AREAS AND EXISTING SITE CONDITIONS The proposed site is located on approximately 0.57 acres that is

located north of Piedmont Street between Riverland Road and Arbor Avenue and south of the Roanoke river, Roanoke, VA. The site is currently vacant and flat.

Soils found at this site are common to the area. Speedwell-Urban land complex consist of 40% Speedwell, 35% Urban and 25% other soil. Erosion potential is slight.

CRITICAL EROSION AREAS

1. No potential critical erosion areas.

EROSION AND SEDIMENT CONTROL MEASURES

Unless otherwise indicated, all vegetative and structural erosion and sediment control practices shall be constructed and maintained according to minimum standards and specifications of the handbook. The minimum standards of the VESCR shall be adhered to unless otherwise waived or approved by a variance.

STRUCTURAL PRACTICES

- Silt Fence (Section 3.05) Temporary silt fences will be installed as indicated on the site plan.
- 2. Temporary Seeding (Section 3.31) Temporary seeding will be placed on all disturbed Temporary seeding will immediately. aid in the reduction of dust and sediment. Temporary seeding will be Annual Ryegrass (100 #/ac), Feb 16 — April 30, German Millet (60 #/ac), May 1 — Aug. 31.
- 3. Permanent Seeding (Section 3.32) After final grading permanent seeding will be employed to reduce erosion and sediment yield. Seeding Specifications: Permanent seeding will be Kentucky Bluegrass, blended to contain 4 or more varieties, with no one variety exceeding 30%. The seeding will be applied at 140 lb. per acre. On slopes 2:1 or greater a mixture of Crown Vetch (50%), Perennial Ryegrass (40%), and Redtop (10%) will be used. All seeding, with required associated practices, will be in accordance with all applicable sections of the Virginia Erosion and Sediment Control

- 1. Construction should be sequenced so that grading operations can begin and end as quickly as possible.
- 2. Erosion and Sediment control devices shall be installed as the first step of construction.
- 3. Areas which are not to be disturbed shall be clearly marked by flags, signs, etc.
- 4. The grading contractor shall be responsible for the installation and maintenance of all erosion and sediment control practices. Inspections are to be made periodically and after every significant rainfall.
- 5. After achieving adequate stabilization, the temporary E&S controls will be cleaned up and removed.

PERMANENT STABILIZATION

All greas disturbed by construction shall be stabilized with permanent seeding immediately following finish grading. Seeding shall be done with Kentucky 31 Tall Fescue according to Std. & Spec. 3.32, PERMANENT SEEDING, of the handbook. Erosion control blankets will be installed over fill slopes which have been brought to final grade and have been seeded to protect the slopes from rill and gully erosion and to allow seed to germinate properly. Mulch (straw or fiber) will be used on relatively flat areas. In all seeding operations, seed, fertilizer and lime will be applied prior to mulching.

MAINTENANCE

In general, all erosion and sediment control measures will be checked daily and after each significant rainfall. Any items not found in accordance with the Virginia Erosion and Sediment Control Handbook will be immediately replaced and/or repaired. The following items will be checked in particular:

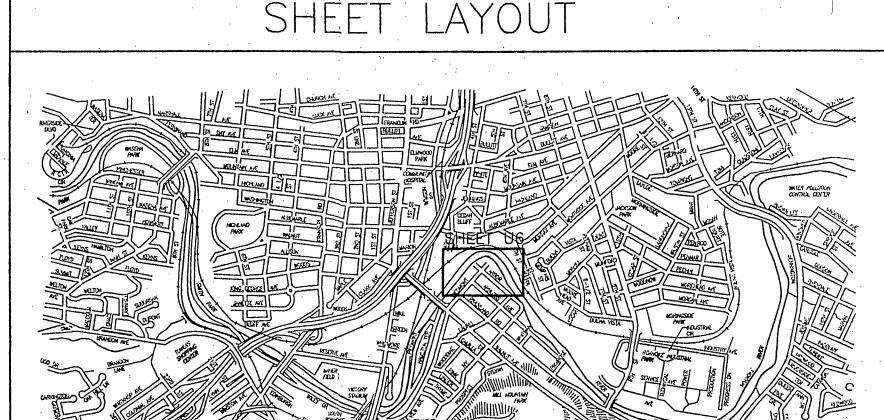
- 1. The silt fence barrier will be checked regularly for undermining or deterioration of the fabric. Sediment shall be removed when the level of sediment deposition reaches half way to the top of the barrier.
- 2. The seeded greas will be checked regularly to ensure that a good stand is maintained. Areas should be fertilized and reseeded as needed.

The erosion and sediment control measures shown on the construction plans are the minimum measures required. Due to construction phasing and other considerations all measures can not be shown. The owner, through his contractor, will employ whatever measures which may be required to assure that sediment laden runoff does not leave the site.

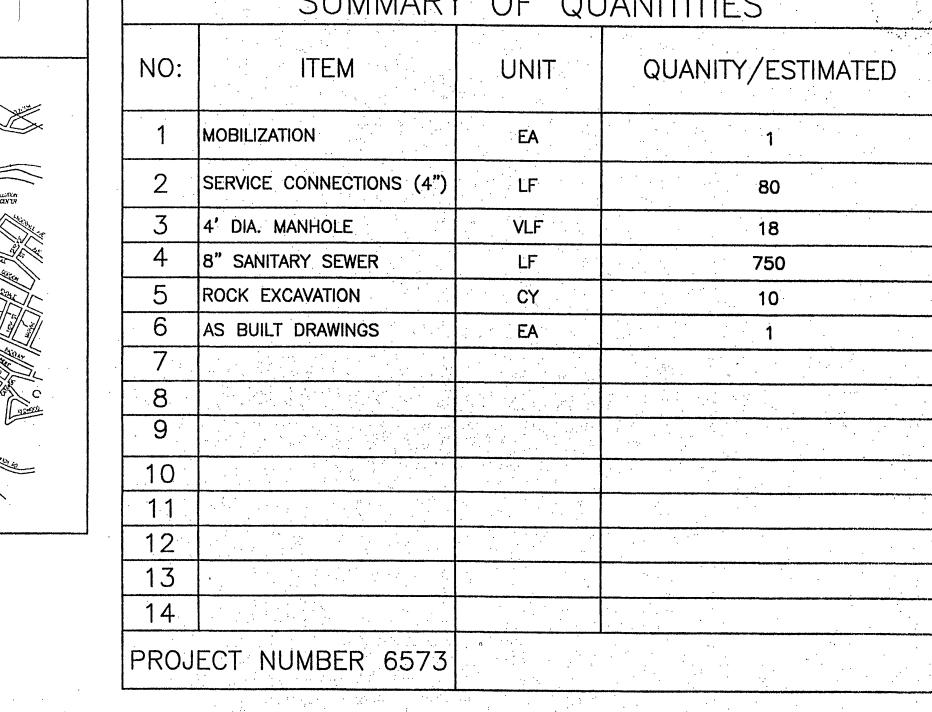
All materials and measures employed for erosion and sediment control will be in accordance with the Virginia Erosion and Sediment Control Handbook, latest edition.

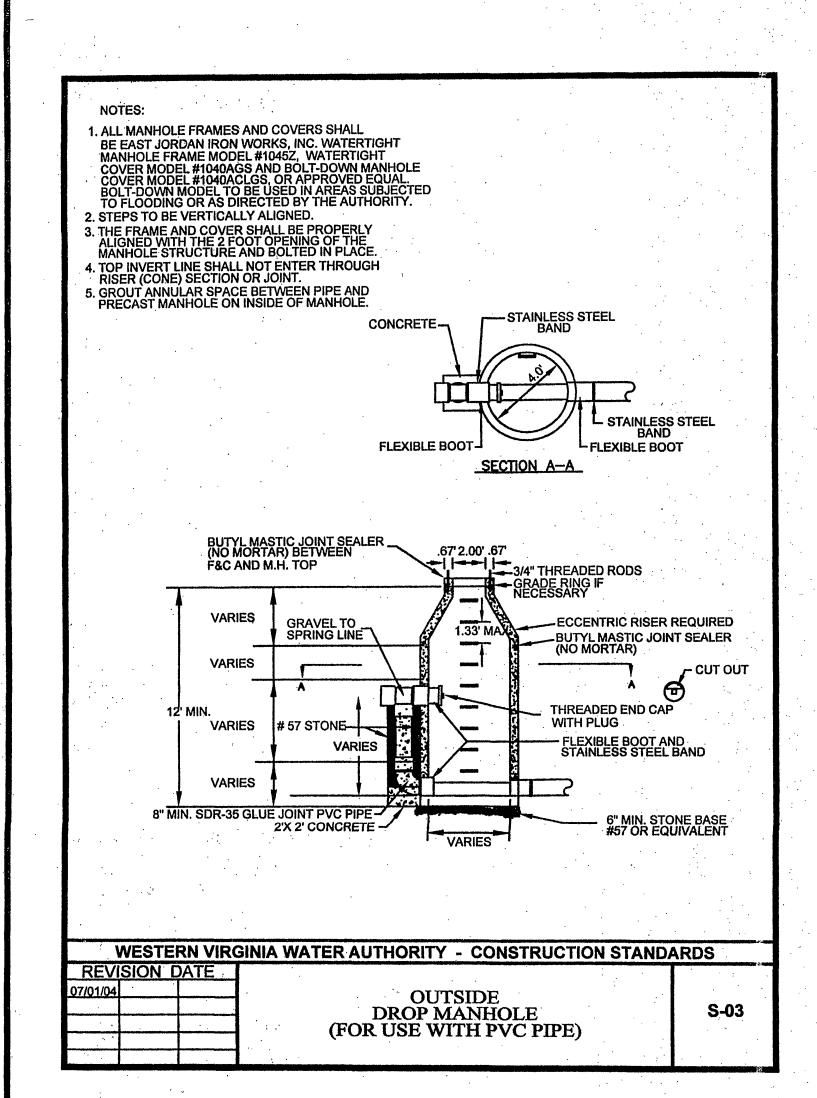
If, during construction, additional Erosion and Sediment Control measures are deemed necessary, they shall be installed as directed by the Owner, Engineer or County agent.

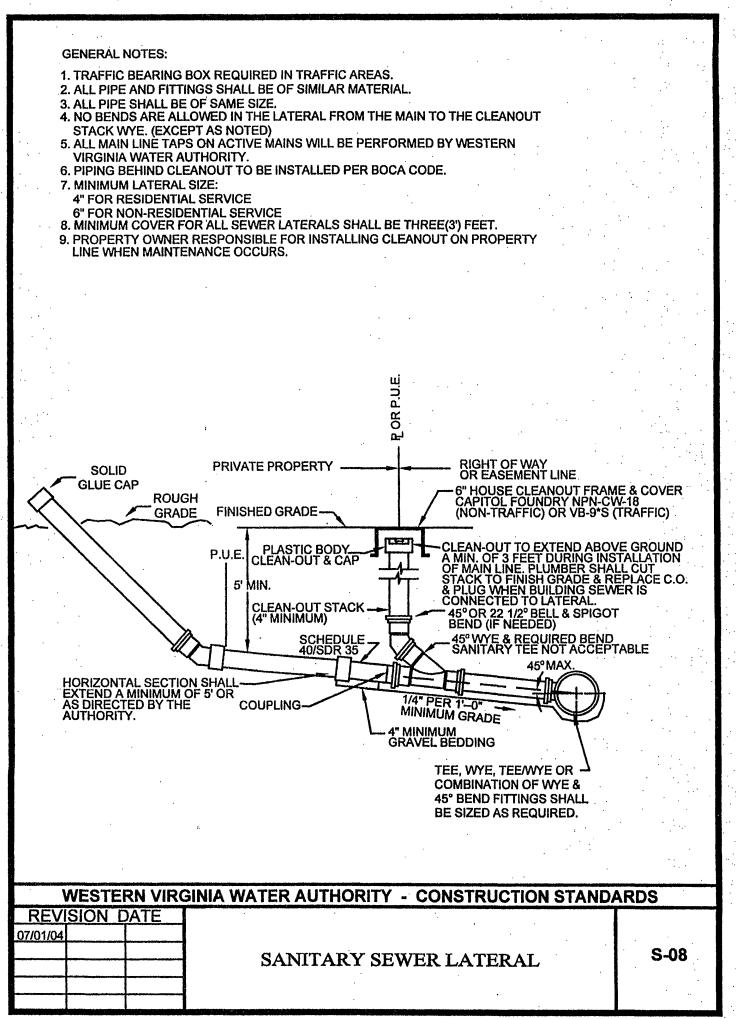
This project is to be constructed consistent with the 1992 Virginia Erosion And Sediment Control Regulations.

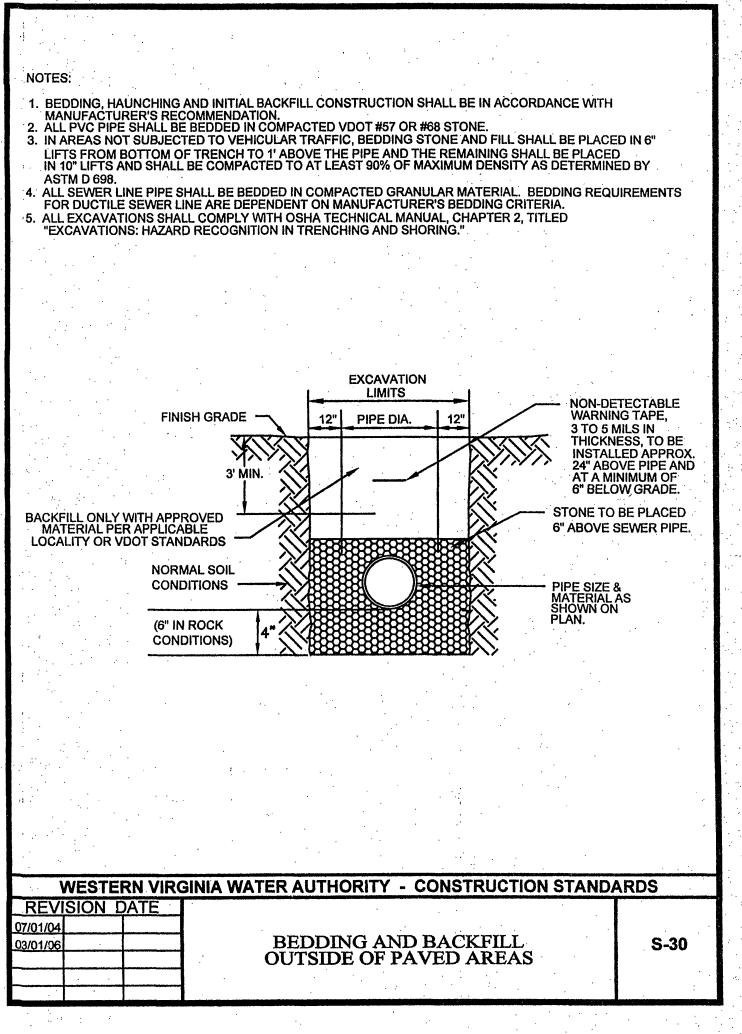


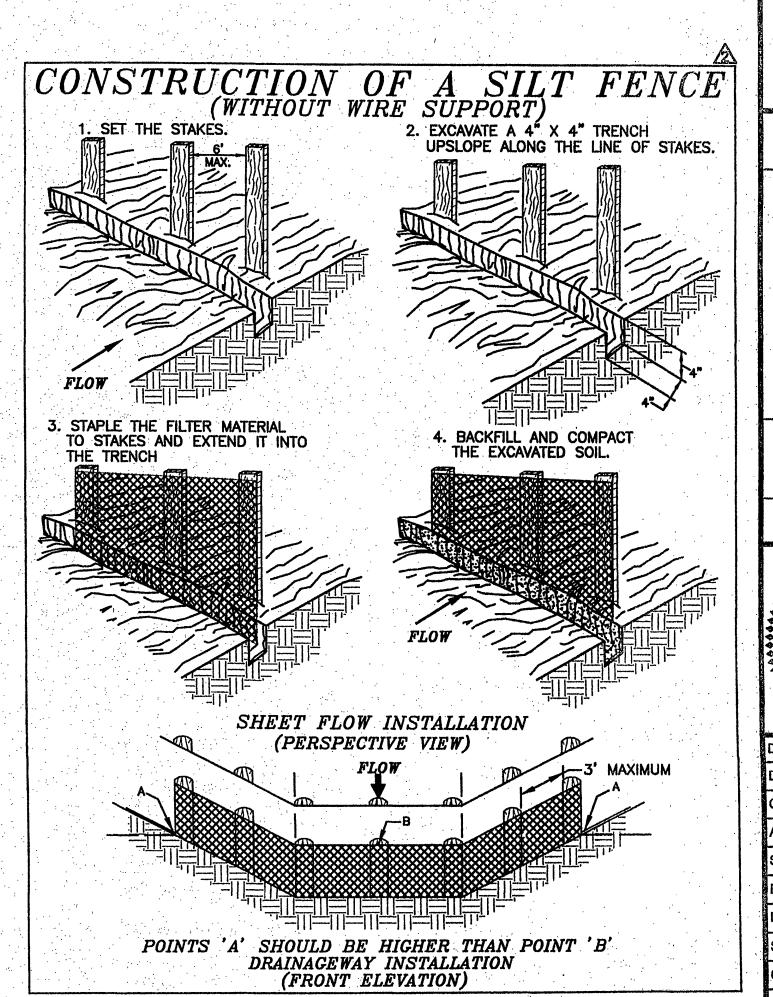
	SUMMAR'	Y OF QL	JANITITIES
NO:	ITEM	UNIT	QUANITY/ESTIMATED
1	MOBILIZATION	EA	1
2	SERVICE CONNECTIONS (4")	LF	80
3	4' DIA. MANHOLE	VLF	18
4	8" SANITARY SEWER	LF	750
5	ROCK EXCAVATION	CY	10
6	AS BUILT DRAWINGS	EA	1
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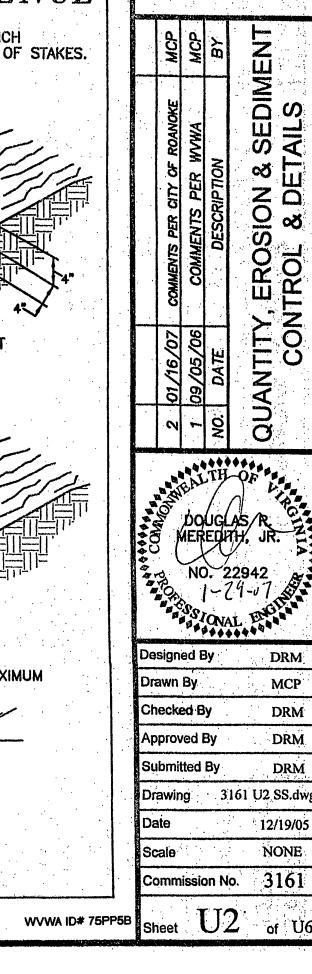












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