

PROJECT DESCRIPTION
The following project will involve extending the public gravity sewer from the current termination point to the properties owned by Joe Altadonna and Jim McKelvey. The total area of disturbance is 0.50 acres.

Existing site conditions include suburban street scapes and yard scapes reflective of city streets and urban yards. The site contains standard vegetation that would occur in a commercial area. The topography of the site is relatively flat with varied slopes. The site drains generally in the western direction and towards the existing creek.

Areas adjacent to the project include commercial properties. The terrain adjacent to the project corridor is a mix of grassy, paved and wooded areas. It is mostly adjacent to streets surrounded by existing commercial properties.

No off-site areas will be disturbed as part of this project except for access and staging

Some portions of the work will traverse steep slopes for short distances.

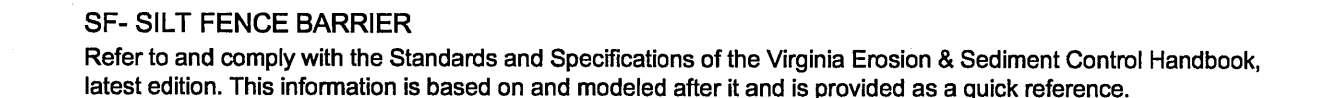
Soils data taken from NRCS Soil Survey for Franklin County

EROSION AND SEDIMENT CONTROL MEASURES

1. **Silt Fence** (Section 3.05) Temporary silt fence shall be installed along the peripheries of the areas disturbed by the sewer system.
2. **Permanent Seeding** (Section 3.32) All areas disturbed by construction shall be stabilized with permanent seeding immediately following finish grading. 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. Mulch (straw or hay) will be used on relatively flat areas. In all seeding operations, seed, fertilizer and lime will be applied prior to mulching.
3. **Mulching** (Section 3.35) Mulch shall be used over all seeded areas and shall be applied in accordance with Standard and Specification 3.35 of the Virginia Erosion and Sediment Control Handbook, latest edition.

Permanent stabilization will be accomplished by establishment of turf

No Design Calculations are required



GENERAL EROSION AND SEDIMENT CONTROL NOTES

ES-1: 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, latest edition and Virginia Regulations 4VAC30-30, Erosion and Sediment Control Regulations.

ES-2: The approving authority must be notified one week prior to the preconstruction conference, one week prior to the commencement of land disturbing activity, and one week prior to the final inspection.

ES-3: All erosion and sediment control measures are to be placed prior to or as the first step in clearing.

ES-4: A copy of the approved erosion and sediment control plan shall be maintained on the site at all times.

ES-5: Prior to commencing land disturbing activities in areas other than indicated on these plans (including, but not limited to, off-site borrow or waste areas), the contractor shall submit a supplementary erosion control plan to the owner for review and approval by the approving authority.

ES-6: 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.

ES-7: All disturbed areas are to drain to approved sediment control measures at all times during land disturbing activities and during site development until final stabilization is achieved.

ES-8: Downstream operations, water will be pumped to an approved filtering device.

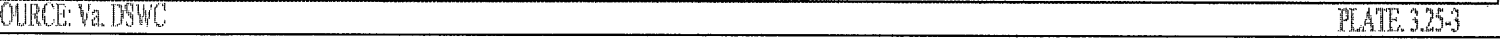
ES-9: The contractor shall inspect all erosion control measures periodically and after each runoff-producing rainfall event. Any necessary repairs or cleanup to maintain the effectiveness of the erosion control devices shall be made immediately.

Refer to and comply with the Standards and Specifications of the Virginia Erosion & Sediment Control Handbook, latest edition. This information is based on and modeled after it and is provided as a quick reference.

	EXISTING	PROPOSED	DESCRIPTION
			BUILDING WITH PORCH OR FOUNDATION ONLY
			CONTOUR, CONTOUR WITH SPOT ELEVATION
			CONCRETE CURB
			CONCRETE WALK OR SLAB
			PAVEMENT
			UNPAVED OR GRAVEL ROAD
			TREE LINE
			FENCE (EXISTING OR PROPOSED)
			CENTERLINE CREEK, SWAMP, PROPERTY LINE
			CENTERLINE OR BASELINE
			FIELD SURVEY TRAVERSE
			GEOLOGIC BORE HOLE
			BENCH MARK (EXISTING OR PROPOSED)
			STORM DRAIN
			SANITARY SEWER
			FORCE MAIN
			GAS MAIN OR SERVICE LINE
			WATER MAIN OR SERVICE LINE
			OVERHEAD ELECTRICAL LINE
			OVERHEAD TELEPHONE LINE
			UNDERGROUND ELECTRICAL LINE
			UNDERGROUND TELEPHONE LINE
			PIPE FITTINGS
			FIRE HYDRANT
			GATE VALVE
			CLEANOUT
			MANHOLE
			DROP INLET (CURB AND GUTTER)
			WM - WATER METER
			DWM - DOUBLE WATER METER
			UTILITY POLE
			LIGHT POLE
			TELEPHONE PEDESTAL
			BURIED TELEPHONE VAULT
			PAVED DITCH
			CULVERT WITH FLARED ENDS
			AIR RELEASE VALVE / VALVE
			BLOW OFF VALVE / VALVE
			STEEL ENCASEMENT
			CONCRETE ENCASEMENT
			ABANDON OR REMOVE
			LIMITS OF DISTURBED AREA
			WATERLINE PLUG

MU- MULCHING
Refer to and comply with the Standards and Specifications of the Virginia Erosion & Sediment Control Handbook, latest edition. This information is based on and modeled after it and is provided as a quick reference.

PS-PERMANENT SEEDING
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EXISTING	PROPOSED	DESCRIPTION
		BUILDING WITH PORCH OR STOOP
		FOUNDATION ONLY
		CONTOUR, CONTOUR WITH ELEVATION
		SPOT ELEVATION
		CONCRETE CURB
		CONCRETE CURB & GUTTER
		CONCRETE WALK OR SLAB
		PAVED PAVEMENT
		UNPAVED OR GRAVEL ROAD
		TREE LINE
		TREE OR SHRUB
		FENCE (EXISTING OR PROPOSED NOTED)
		CENTERLINE CREEK, SWALE, DITCH
		PROPERTY LINE
		CENTERLINE OR BASELINE
		FIELD SURVEY TRAVERSE POINT
		GEOLOGIC BORE HOLE
		BENCH MARK (EXISTING OR SET NOTED)
		STORM DRAIN
		SANITARY SEWER
		FORCE MAIN
		GAS MAIN OR SERVICE LINE
		WATER MAIN OR SERVICE LINE
		OVERHEAD ELECTRICAL LINE
		OVERHEAD TELEPHONE LINE
		UNDERGROUND ELECTRICAL LINE
		UNDERGROUND TELEPHONE LINE
		PIPE FITTINGS
		FIRE HYDRANT
		GATE VALVE
		CLEANOUT
		MANHOLE
		DROP INLET (CURB AND GRATING TYPES)
		WM - WATER METER
		DWM - DOUBLE WATER METER
		UTILITY POLE
		LIGHT POLE
		TELEPHONE PEDESTAL
		BURIED TELEPHONE VAULT
		PAVED DITCH
		CULVERT WITH FLARED END SECTION
		AIR RELEASE VALVE / VAULT ASSEMBLY
		BLOW OFF VALVE / VAULT ASSEMBLY
		STEEL ENCASEMENT
		CONCRETE ENCASEMENT
		ABANDON OR REMOVE
		LIMITS OF DISTURBED AREA
		WATERLINE PLUG