

EROSION & SEDIMENT CONTROL COST ESTIMATE				
ITEM	UOM	UNIT PRICE	QUANTITY	TOTAL
SILT FENCE	LF	\$4.00	252	\$1008.00
INLET PROTECTION	EA	\$150.00	3	\$450.00
STONE CONSTRUCTION ENTRANCE	EA	\$1,200.00	1	\$1,200.00
TEMPORARY SEEDING	1000 SF	\$40.00	20	\$800.00
PERMANENT SEEDING	1000 SF	\$50.00	20	\$1000.00
			SUBTOTAL	\$4,458.00
			10% CONTINGENCY	\$445.80
			TOTAL	\$4,903.80

TABLE 6-1

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 and Virginia Regulations 4VAC50-30 Erosion and Sediment Control Regulations.
- ES-2:** The plan approving authority must be notified one week prior to the pre-construction 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 plan 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:** During dewatering operations, water will be pumped into 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.

LEGEND

EXISTING

REFER TO TITLE SHEET FOR EXISTING LEGEND ITEMS

PROPOSED

STM	STORM SEWER
SF	LIMITS OF DISTURBANCE
SF	SILT FENCE, PER DETAIL ON SHEET C3.2
CSW	CONCRETE WASHOUT
GD	BLOCK AND GRAVEL DROP INLET SEDIMENT FILTER, PER DETAIL ON SHEET C3.2
TS	TEMPORARY SEEDING, PER VIRGINIA E&SC HANDBOOK
PS	PERMANENT SEEDING, PER VIRGINIA E&SC HANDBOOK
SP	STOCKPILE AREA, SURROUNDED WITH SILT FENCE, PER DETAIL SHEET C3.2
●	STORM MANHOLE
■	CATCH BASIN
□	STABILIZED CONSTRUCTION ENTRANCE, PER DETAIL ON SHEET C3.2

EROSION AND SEDIMENT CONTROL PLAN PROJECT NARRATIVE:

PLAN ENGINEERS:

CESO, INC.
2800 CORPORATE EXCHANGE DR, STE 160
COLUMBUS, OH 43231
P. (614) 942-3017
CONTACT: JEFF LONCHOR

OWNER/DEVELOPER:

VALVOLINE INSTANT OIL CHANGE
100 VALVOLINE WAY
LEXINGTON, KY 40509
P. (859) 357-7188
CONTACT: JASON HUNT

THE PROPOSED PROJECT IS THE CONSTRUCTION OF AN INSTANT OIL CHANGE FACILITY. THE TOTAL DISTURBED AREA IS APPROXIMATELY 0.62 ACRES.

THE ENTIRE SITE DRAINS TO THE KROGER STORMWATER MANAGEMENT SYSTEM.

ON-SITE SOILS: 5C - CHISWELL-LITZ COMPLEX, 7 TO 15 PERCENT SLOPES 78%
5D - CHISWELL-LITZ COMPLEX, 15- TO 25 PERCENT SLOPES 22%

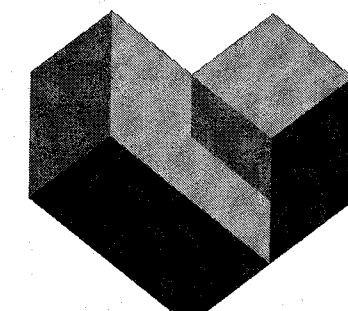
HYDROLOGIC SOIL GROUP = D

EXISTING SITE CONDITIONS: VACANT, GREEN LOT

SEQUENCE OF CONSTRUCTION:

- INSTALL ALL TEMPORARY EROSION CONTROL MEASURES AS SHOWN.
- BEGIN DEMOLITION OF SELECT SITE ITEMS.
- BEGIN GRADING THE SITE. MAKING SURE THAT EROSION CONTROL MEASURES ARE IN PLACE AND WORKING PROPERLY THROUGHOUT GRADING OPERATIONS.
- APPLY TEMPORARY SEEDING WITHIN (7) DAYS OF EXCAVATION.
- BEGIN CONSTRUCTION OF ALL STORM SEWER AND UNDERGROUND UTILITIES. INSTALL INLET PROTECTION CONCURRENT WITH CONSTRUCTION OF PROPOSED STORM STRUCTURES.
- FINE GRADING, SUBGRADE PREPARATION AND SITE PAVING.
- CONSTRUCT BUILDING.
- BEGIN CONSTRUCTION OF PARKING LOT, DRIVES, SIDEWALKS, AND CONCRETE FLATWORK.
- PERMANENTLY SEED REMAINDER OF PERVIOUS AREAS. PERMANENT SEEDING SHALL BE INSTALLED WITHIN (7) DAYS OF COMPLETION OF FINAL GRADING IN UNPAVED AREAS.
- REMOVE TEMPORARY EROSION CONTROL MEASURES AFTER SITE ACHIEVES "FINAL STABILIZATION".
- REFER TO LANDSCAPE PLAN FOR SEEDING.

* CONTRACTOR SHALL MODIFY THE SEQUENCE OF CONSTRUCTION BASED ON SITE CONDITIONS. CONTRACTOR TO NOTIFY PROJECT MANAGER PRIOR TO CHANGING SEQUENCE OF CONSTRUCTION.



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Revision	Submissions	Date
ISSUED FOR FINAL APPROVAL	10.19.18	
BID SET	10.24.18	
ISSUED FOR DEVELOPMENT PLAN RESUBMITTAL	08.24.18	
ISSUED FOR DEVELOPMENT PLAN REVIEW	08.01.18	
ISSUED FOR OWNER REVIEW	07.17.18	



VALVOLINE INSTANT OIL CHANGE
4025 CHALLENGER AVE. NE
ROANOKE, VA

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Project No. 755208
Scale AS NOTED
Drawn JJJ
Checked EJB
Date 07/17/18
Drawing Title



FORTY-EIGHT (48) HOURS BEFORE DIGGING IS TO COMMENCE, THE CONTRACTORS SHALL NOTIFY THE FOLLOWING AGENCIES: VIRGINIA ONE CALL AT 811 OR (800) 552-7001 AND ALL OTHER AGENCIES WHICH MIGHT HAVE UNDERGROUND UTILITIES INVOLVING THIS PROJECT AND ARE NONMEMBERS OF VIRGINIA ONE CALL.

SWPPP

Drawing No. C3.0