

3.02	TEMPORARY STONE CONSTRUCTION ENTRANCE	CE	3.20	CHECK DAM	CD
3.05	SILT FENCE	SF	3.31	TEMPORARY SEEDING	TS
3.07	STORM DRAIN INLET PROTECTION	IP	3.32	PERMANENT SEEDING	PS
3.09	TEMPORARY DIVERSION DIKE	DD	3.35	MULCHING	MU
3.14	TEMPORARY SEDIMENT TRAP	SB	3.36	SOIL STABILIZATION BLANKETS & MATTING	B/M
3.18	OUTLET PROTECTION	OP			

3. THE SWPPP SHALL BE PROVIDED ON-SITE AND ALL REGULATIONS, INSPECTIONS, AND PROCEDURES FOLLOWED FOR THE ENTIRE DURATION OF THE PROJECT. SEE GENERAL PERMIT DETAILS FOR ADDITIONAL INFORMATION AND SWPPP FOR SITE SPECIFIC REQUIREMENTS AND INSPECTIONS.
2. THE SILT FENCE SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT.
3. TEMPORARY SEEDING SHALL BE PROVIDED WITHIN 7 DAYS FOR ALL AREAS THAT WILL NOT RECEIVE PAVEMENT OR OTHER PERMANENT IMPROVEMENTS WITHIN 14 DAYS.
4. THE CONCRETE WASHOUT SHALL BE INSTALLED AND MADE FUNCTIONAL PRIOR TO ANY CONCRETE IMPROVEMENTS ON-SITE.
5. BUILDING CONSTRUCTION MAY BEGIN AT THIS TIME.
6. PROPOSED STORM SEWER SHALL BE INSTALLED AT THIS TIME WITH INLET PROTECTION AS EACH INLET BECOMES FUNCTIONAL. OUTLET PROTECTION SHALL BE INSTALLED AT THE END OF PIPE #6.
7. ALL UTILITIES FOR THE SITE SHALL BE INSTALLED AT THIS TIME AND AREAS TEMPORARILY OR PERMANENTLY SEEDED AFTER COMPLETION OF INSTALLATION.
8. DIVERSION DIKE SHALL BE REMOVED AS THE CURBING IS CONSTRUCTED AS RUNOFF WILL BE CONVEYED TO THE SEDIMENT BASIN VIA THE STORM SEWER SYSTEM AT THIS TIME. ROANOKE COUNTY APPROVAL IS REQUIRED PRIOR TO THE REMOVAL OF THE DIVERSION DIKE. INLET PROTECTION SHALL ALSO BE PROVIDED AT THE TWO PROPOSED CURB CUTS ADJACENT TO THE SEDIMENT BASIN/SWM FACILITY.
9. PAVEMENT, LANDSCAPING ETC. SHALL BE INSTALLED AT THIS TIME. THE CONCRETE WASH OUT SHALL BE UTILIZED IN ACCORDANCE WITH D.E.Q. REGULATIONS.
10. PERMANENT SEEDING AND MULCHING SHALL BE APPLIED AT THIS TIME TO ALL AREAS AT FINAL GRADE. BLANKET MATTING SHALL BE APPLIED TO ANY SLOPES 3:1 OR GREATER.
11. AFTER FINAL SITE STABILIZATION AND ROANOKE COUNTY APPROVAL, INLET PROTECTION, SILT FENCE, CHECK DAM, CULVERT INLET PROTECTION AND THE CONSTRUCTION ENTRANCE CAN BE REMOVED.  
\*NOTE: ROANOKE COUNTY INSPECTION AND APPROVAL IS REQUIRED PRIOR TO THE REMOVAL OF EROSION AND SEDIMENT CONTROL MEASURES.
12. TEMPORARY SEDIMENT BASIN SHALL REMAIN OPERATIONAL UNTIL THE CONTRIBUTING DRAINAGE AREA IS STABILIZED. THE SEDIMENT BASIN SHALL BE CONVERTED TO THE PERMANENT SWM FACILITY AFTER APPROVAL FROM THE ROANOKE COUNTY INSPECTOR. THE SWM AREA SHALL RECEIVE PERMANENT STABILIZATION AS SHOWN.
13. G.C. SHALL ENSURE THAT THE LIMITS OF DISTURBANCE ARE STRICTLY ADHERED TO DURING THE PROJECT.
14. NO DEVIATIONS TO THE PLANS SHALL TAKE PLACE UNLESS PRIOR APPROVAL FROM THE OWNER, PROJECT ENGINEER, AND THE APPROPRIATE REVIEW AGENCIES.

\*NOTE: THIS COST ESTIMATE TABLE IS PROVIDED FOR BIDDING PURPOSES ONLY. VERIFICATION OF ALL QUANTITIES AND PRICES FOR BIDDING PURPOSES SHALL BE THE RESPONSIBILITY OF THE BIDDER

DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST
CONSTRUCTION ENTRANCE	EA	1	\$ 1,200	\$ 1,200
SILT FENCE	LF	950	4.00	3,800
INLET PROTECTION	EA	5	150.00	750
OUTLET PROTECTION	EA	2	250.00	500
PERMANENT SEEDING	SF	76,000	0.05	3,800
TEMP. SEEDING	SF	76,000	0.04	3,040
TEMP. DIVERSION DIKE	LF	350	5.00	1,750
TEMP. SEDIMENT BASIN	EA	1	5,000	5,000
BLANKET MATTING	SF	27,000	0.25	6,750
<b>SUB-TOTAL</b>				<b>\$ 26,590.00</b>
10% CONTINGENCY				\$ 2,659.00
<b>TOTAL PROJECT COST</b>				<b>\$ 29,249.00</b>

N/F  
ESA DEVELOPERS LLC  
INST. #200809028  
T.M. #027.10-09-07.00

LINE TABLE		
LINE	BEARING	DISTANCE
L1	N83°49'46"E	22.74'
L2	S70°38'28"E	22.53'
L3	N71°45'40"E	6.00'

N/F  
HARRIS CORPORATION  
INST. #201603590  
T.M. #027.10-09-03.00  
TRACT A-1-A

N/F  
AUTUMN INVESTMENTS, LLC  
7702 PLANTATION ROAD  
T.M. 027.06-06-02.00-0000  
ZONING:11

*N/F*  
*CORE-HOLLINS HOSPITALITY, LLC*  
*O PLANTATION ROAD*  
*T.M. 027.06-06-01.00-0000*  
*ZONING:C2C*

EX. F.H.  
D:20323  
STATIC: 76PSI  
RESIDUAL: 38PSI  
,127 GPM PER  
VWA @ 20PSI

— LIMITS OF DISTURBANCE  
APPROX. 3.90 ACRES

— ARC = 89.96'  
RADIUS = 248.55'  
DELTA = 20°44'16"  
CHORD BEARING = N5.  
CHORD LENGTH = 89.4  
TANGENT = 45.48'

**BENCHMARK**  
ex. S.S. MH A  
TOP:1117.87'  
SHELF:1112.32  
INV:1111.82'

**PLANTATION ROAD - ROUTE 115**  
VDOT R/W WIDTH VARIES  
SPEED LIMIT 45 MPH

1. ALL SOIL EROSION & SEDIMENT CONTROL MEASURES SHALL BE ACCOMPLISHED IN STRICT ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS CONTAINED IN THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION.
2. THE APPROVING AUTHORITY MAY ADD TO, DELETE, RELOCATE, CHANGE, OR OTHERWISE MODIFY CERTAIN EROSION AND SEDIMENT CONTROL MEASURES WHERE FIELD CONDITIONS ARE NOT ACCORDANT WITH THOSE WARRANTING SUCH MODIFICATIONS.
3. ALL SOIL EROSION & SEDIMENT CONTROL MEASURES AS SHOWN ON THE PLAN SHALL BE PLACED IN ADVANCE OF THE WORK BEING PERFORMED, AS FAR AS PRACTICAL.
4. IN NO CASE DURING CONSTRUCTION SHALL WATER RUNOFF BE DIVERTED OR ALLOWED TO FLOW TO LOCATIONS WHERE ADEQUATE PROTECTION HAS NOT BEEN PROVIDED.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LEAVE THE SITE ADEQUATELY PROTECTED AGAINST EROSION, SEDIMENTATION, OR ANY DAMAGE TO ANY ADJACENT PROPERTY AT THE END OF EACH DAY'S WORK.
6. FOR THE EROSION CONTROL KEY SYMBOLS SHOWN ON THE PLANS, REFER TO THE VIRGINIA UNIFORM CODING SYSTEM FOR EROSION AND SEDIMENT CONTROL PRACTICES CONTAINED IN THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION. THESE SYMBOLS AND KEYS ARE TO BE UTILIZED ON ALL EROSION CONTROL PLANS SUBMITTED TO ROANOKE COUNTY.
7. THE LOCATION OF ALL OFF-SITE FILL OR BORROW AREAS ASSOCIATED WITH THE CONSTRUCTION PROJECT WILL BE PROVIDED TO ROANOKE COUNTY FOR REVIEW AND APPROVAL. EROSION CONTROL PLAN OR MEASURES MAY BE REQUIRED FOR THIS AREA.

**TOTAL DISTURBED AREA = 3.90 AC. = 169,000 SQ. FT.**

## REFLECTING TOMORROW

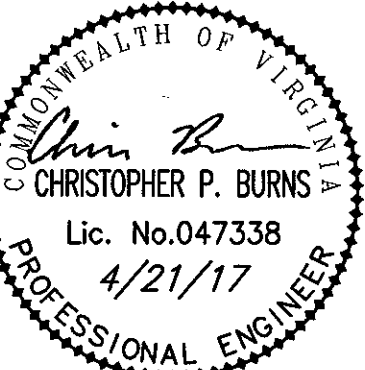
Roanoke  
New River Valley  
Richmond  
Staunton  
Harrisonburg

RESIDENTIAL LAND DEVELOPMENT ENGINEERING  
SITE DEVELOPMENT ENGINEERING  
LAND USE PLANNING & ZONING  
LANDSCAPE ARCHITECTURE  
LAND SURVEYING  
ARCHITECTURE  
STRUCTURAL ENGINEERING  
TRANSPORTATION ENGINEERING  
ENVIRONMENTAL & SOIL SCIENCE  
WETLAND DELINEATIONS & STREAM EVALUATIONS

1308 Corporate Circle

ROANOKE, VA 24018

FAX 540-772-8050



HOLLINS DISTRICT  
ROANOKE COUNTY, VIRGINIA

4/12/2017

☒ APPROVED

# C6

JOB NO. 04160070.01