GENERAL NOTES

PRE-CONSTRUCTION MEETING AND CONSTRUCTION COMMENCEMENT

- 1. All construction methods and materials shall conform to the Construction Standards and Specifications of Roanoke County, the Western Virginia Water Authority, and the Virginia Department of Transportation.
- 2. Stormwater Management Agreements with an attached 8 1/2" x 11" or 8 1/2" x 14" plat must be approved and recorded prior to the pre-construction meeting.
- 3. Once all required items are submitted to the County of Roanoke, the developer must contact the Development Review Coordinator to indicate that a pre-construction meeting needs to be scheduled. The pre-construction meeting will be scheduled with the owner/developer two (2) working days later.
- 4. Please note the 2001 General Assembly revisions to Va Erosion and Sediment Control Law. Effective July 1, 2001, all land disturbing projects that require approval of an erosion and sediment control plan, grading or clearing permit shall require that the applicant provide the name of an individual who will be responsible for land disturbing activities and that this individual hold a Responsible Land Disturber (RLD) Certificate from the Department of Conservation and Recreation. The Responsible Land Disturber can be anyone from the Project team that is certified by the State of Virginia to be in charge of carrying out the land disturbing activity for the project.
- 5. It is the responsibility of the owner/developer to notify the certified Responsible Land Disturber and the Utility Contractor to attend the pre-construction meeting.
- 6. The Development Review Coordinator will schedule the pre-construction meeting with the County Review Engineer, the County Inspector, and the Western Virginia Water Authority and the Town of Vinton Public Works Department if applicable.
- 7. An approved set of plans and all permits must be available at the construction site
- 8. The developer and/or contractor shall supply all utility companies with copies of approved plans, advising them that all grading and installation shall conform
- 9. The project engineer will inform the owner/developer verbally and in writing of the County's obligation to perform inspections on site. Everyone in the meeting will be required to sign a pre-construction checklist indicating their knowledge of Roanoke County's obligation to perform inspections on site.
- 10. The Erosion Control Permit is given to the developer at this pre-construction meeting.
- 11. The developer MUST contact the project inspector 24 hours before beginning any grading or construction on the property.
- 12. The project inspector will visit the site within 48 hours of the developer's call to ensure that all necessary erosion and sediment control measures are properly installed according to the approved plan.
- 13. All work shall be subject to inspection by Roanoke County, the Western Virginia Water Authority and the Virginia Department of Transportation Inspectors.
- 14. Contractors shall notify utilities of proposed construction at least two (2), but not more than ten (10) working days in advance. Area public utilities may be notified thru "Miss Utility": 1-800-552-7001.
- 15. 100 year Floodway and Floodplain information shall be shown where applicable. FIRM Index Date shall be shown on the plans. The 100 year Floodway shall be staked prior to any construction.
- 16. Grade stakes shall be set for all curb and gutter, culvert, sanitary sewer and storm sewer at all times of construction.
- 17. The Department of Community Development shall be notified when a spring is encountered during construction.
- 18. Construction debris shall be containerized in accordance with the Virginia Litter Control Act. No less than one litter receptacle shall be provided on site.
- 19. The contractor shall provide adequate means of cleaning mud from trucks and/or other equipment prior to entering public streets or rights of ways. It is the contractors responsibility to insure that the streets are in a clean, mud and dust free condition at all times.
- 20. Plan approval in no way relieves the developer or contractors of the responsibilities contained within the erosion and sediment control policies.
- 21. Field construction shall honor proposed drainage divides as shown on plans.
- 22. Field corrections shall be approved by the Roanoke County Engineering Division and/or the Western Virginia Water Authority and the Professional of Record. prior to such construction.
- 23. The developer or contractor shall supply the County and the Western Virginia Water Authority with correct As-Built plans before final acceptance.

VIRGINIA DEPARTMENT OF TRANSPORTATION:

- 24. Plan approval by Roanoke County does not guarantee issuance of any permits by the Virginia Department of Transportation.
- 25. A permit must be obtained from the Virginia Department of Transportation, Salem Residency Office prior to construction in the highway right-of-way.
- 26. The preliminary pavement designs should be based on a predicted sub-grade CDR value of 7.0 and with a Resiliency Factor (RF) of 2.0 as shown in Appendix I of the 2000 Virginia Department of Transportation Pavement Design Guide for Subdivision and Secondary Roads. The sub-grade soil is to be tested by an independent laboratory and the results submitted to the Virginia Department of Transportation prior to base construction. Should the sub-grade CBR value and/or the RF value be less than the predicted values, additional base material will be required in accordance with Departmental specifications. Refer to the same manual as the number and locations of the required soil samples to be tested. All pavement designs shall be submitted to the Department for review and approval. The sub-grade shall be approved by the Virginia Department of Transportation prior to placement of the base. Base shall be approved by the Virginia Department of Transportation for depth, template, and compaction before the surface is applied.
- 27. Standard guardrail with safety end sections may be required on fills or in areas where hazards exist as deemed necessary. After completion of rough grading operations, the County Engineer and Virginia Department of Transportation shall be contacted to schedule a field review. Where guard rail is warranted, the standard shoulder width shall be provided and the guard rail shall be installed in accordance with the 2001 VDOT Road and Bridge Standards as part of this development.
- 28. Standard street and traffic control signs shall be erected at each intersection by the developer prior to final street acceptance.
- 29. All traffic devices shall be in accordance with current edition of the manual: "Uniform Traffic Control Devices (MUTCD)"
- 30. All unsuitable material shall be removed from the construction limits of the roadway before placing embankment.

The Project Engineer shall provide electronic copies of the approved plans to the Development Review Coordinator within 5 working days of the pre-construction meeting. This sheet may not be modified.



County of Roanoke, Va

NAME OF DEVELOPMENT COCA-COLA WAREHOUSE EXPANSION	I,OWNER/DEVELOPER, AM AWARE OF THE SITE DESIGN REQUIREMENTS IMPOSED BY THIS SITE DEVELOPMENT PLAN AND OTHER APPLICABLE ROANOKE COUNTY CODES.
MAGISTERIAL DISTRICT(S) VINTON	I HEREBY CERTIFY THAT I AGREE TO COMPLY WITH THESE REQUIREMENTS AND THE THIRTY (30) POINTS SHOWN ON THIS COVER SHEET UNLESS MODIFIED IN ACCORDANCE WITH LOCAL LAW.
ROANOKE GATEWAY LLC, 3381 SOUTHWOOD VILLAGE COURT, ROANOKE, V DAYTIME TELEPHONE: 540-344-4544, ATTN: MR. W. DOUGLAS WRIGHT	/IRGINIA 24014,
DEVELOPER (name, address, telephone) SAME AS ABOVE	
	STREET, PO BOX 11528, COLUMBIA, SC 29211-1528 RESCH, PE, GRESCH@CARLISLEASSOCIATES.COM
TAX MAP NO(S)050.01-01-05.07-0000	

WATER NOTES

All water facilities shall be installed according to the Western Virginia Water Authority Design and Construction Standards/ (Latest Edition).

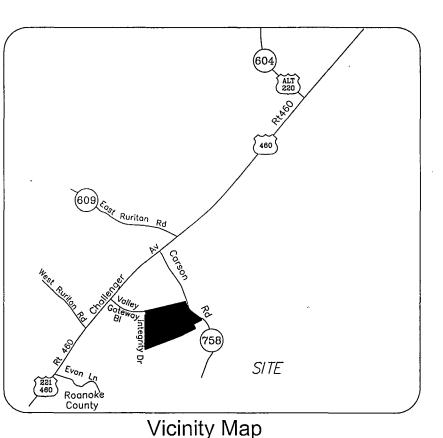
- A minimum cover of three (3) feet is required over proposed lines.
- Contractor shall be responsible for locating and uncovering valve vaults after paving and adjustment to final grade if necessary.
- All existing utilities may not be shown in their exact location. The contractor shall comply with the (State Water Works Regulations, Section 12.05.03, where lines cross.
- All trenches in existing or future highway right-of-ways shall be compacted according to Virginia Department of Transportation standards.

Lines shall be staked prior to construction.

Water main shall be minimum Class 350 Ductile Iron in accordance

Ductile Iron Pipe in accordance with the Western Virginia Water Authority Design and Construction Standards shall be required for all pipe with a working pressure equal to or greater than 100 p.s.i.

Western Virginia Water Authority Availability letter number: Already served by WVWA



LEGEND

operty Line			— · P ——	
ght-of-way			R/W	
enterline			- CL	
inimum Building Line			MBL	
kisting Storm Sewer		=18"SD=		==18"SD=====
kisting Sanitary Sewer		= 8"SS ==		== 8"SS =====
kisting Water Main		4"W	——⊕——	4"W
kisting Contour			1045	
oposed Contour			<u> 1045 — </u>	
oposed Drainage Divide				
oposed Limits of Clearing				
oposed Storm Sewer			24" S.D.	
oposed Sanitary Sewer			8" M.H.	· · · · · · · · · · · · · · · · · · ·
oposed Water Main	НУОГ	RANT - VA	LVE	BLOWOFF

and the second of the second o

SEWER NOTES

All sanitary sewer facilities shall be installed according to the Western Virginia Water Authority Design and Construction Standards. (Latest Edition).

- A minimum cover of three (3) feet is required over proposed lines.
- Contractor shall be responsible for locating and uncovering all manholes after paving. Manhole tops shall be adjusted to grade if necessary.
- All existing utilities may not be shown in their exact location. The contractor shall comply with (State Water Works Regulations, Section 12.05.03, where lines cross.)
- All trenches in existing or future rights-of-way shall be compacted according to Virginia Department of Transportation standards.

Lines shall be staked prior to construction.

PRIVATE UTILITIES

Underground utilities installed on private property or in private utility easements and building related storm drains shall be designed and installed per the current edition of the Virginia Uniform Statewide Building Code. Design and installation requirements issued by the Western Virginia Water Authority that meet or exceed the USBC requirements are acceptable for private utilities. All private utilities are to be permitted through and inspected by the Roanoke County Inspections Office. Vaults, valves and other devices installed by or under the control of the Western Virginia Water Authority may not substituted for the code required devices.

COO1 STANDARD COVER SHEET C100 EXISTING CONDITIONS PLAN C200 SITE LAYOUT & STAKING PLAN C300 GRADING AND UTILITY PLAN C500 STORM DRAINAGE PLAN C501 STORM DRAINAGE AND PROFILE PLAN C600 EROSION & SEDIMENT CONTROL PLAN C700 DETAIL SHEET C701 DETAIL SHEET C702 DETAIL SHEET C703 DETAIL SHEET C704 DETAIL SHEET DD1 DRAINAGE DIVIDE PLAN DD2 DRAINAGE DIVIDE PLAN L.1 PLANTING PLAN L.2 PLANTING SCHEDULE, NOTES, AND DETAILS E101 ELECTRICAL SITE LIGHTING PLAN E102 ELECTRICAL SITE LIGHTING PLAN Index

SURVEY INFORMATION

All vertical elevations must be reference All horizontal elevations must be reference		
Horizontal Datum:	Vertical Datum:	NGVD 29
Source of topographic mapping is dated	MARCH 13, 2012	<u> </u>
Boundary was performed by ROBERT	G. CANTLEY dated:	JULY 15, 2006
Benchmark Information: ARROW HEA	AD ON TOP OF FIRE HYD	RANT
ELEVATION	= 1036.62	

QUANTI	TY & COS	SI ESTIN	IAIE		
ITEM	QUANTITY	UNIT	UNIT PRICE	COST	BONDAB
CLEARING AND GRUBBING		ACRES			
XCAVATION		C.Y.			
MBANKMENT		C.Y.			
CURB INLET DI-1	5	EACH	\$3,500	\$17,500	YES
CURB INLET DI-3B	3	EACH	\$4,500	\$13,500	YES
UNCTION BOX JB-1	1	EACH	\$3,000	\$3,000	YES
ILTERRA WATER QUALITY STRUCTURES	6	EACH	\$8,000	\$48,000	YES
MANUALENII				···	
MANHOLE MH-		EACH			
F IN CONCRETE DIDE OLARGIII	151	FACIL	005	#0.000	VE0
5 -IN. CONCRETE PIPE, CLASS III	79	EACH EACH	\$25	\$3,020	YES
8 -IN. CONCRETE PIPE, CLASS III 4 -IN. CONCRETE PIPE, CLASS III	322	EACH	\$30 \$35	\$2,370	YES
0 -IN. CONCRETE PIPE, CLASS III	320	EACH	\$45	\$11,270 \$14,400	YES
V -IN. GONORETET II E, GEAGG III	320	LACIT	Ψ-3	\$14,400	163
-IN. C.M. CULVERT		LIN. FT,			
-IN, C.M. CULVERT		LIN. FT.			
-IN. GIVI. GOLVEIN		LIN. F1.			
· · · · · · · · · · · · · · · · · · ·			<u> </u>		
OX CULVERT		LUMP SUM		<u>.</u>	
AVED DITCH		LIN. FT.			
		-117.1 [,			
IPRAP - CLASS	900	S.F.	\$2.00	\$1,800	YES
				. ,	
ODDED SWALE	 	S.Y.			
-IN. CONCRETE ENDWALL EW-		EACH			
-IN. END SECTION ES-		EACH			,
EADER CURB CG-2	175	LIN. FT.	\$15	\$2,625	YES
URB & GUTTER CG-6	280	LIN. FT.	\$20	\$5,600	YES
ALLEY GUTTER		EACH			
RAVEL BASE		S.Y.			
RAVEL SHOULDER		s.y.			
URFACE TREATMENT		S.Y.			
.5 -IN. BIT. CONC.: TYPE BM 25.0A	5,550	S.Y.	\$17	\$94,350	YES
.5 -IN. BIT. CONC.: TYPE SM 9.0A	5,550	S.Y.	\$8	\$44,400	YES
.0 -IN. BASE MATERIAL 21-B	1,240	C.Y.	\$22	\$27,280	YES
-IN. SUBBASE MATERIAL		C.Y.			
					
RAFFIC BARRICADE		EACH			
WATER LINE		LIN. FT.			
' WATER LINE	<u> </u>	LIN. FT.	1		
IRE HYDRANT ASSEMBLIES		EACH			
LOW OFFS W/VAULT, FRAME & COVER		EACH EACH			
IN. GATE VALVES, W/VAULT, FRAME & COVER		EACH EACH			
IN. GATE VALVES, W/VAULT, FRAME & COVER		EACH			
Sine marks, mynoci, i inivide a coven		EAUT			
	<u> </u>				
SANITARY SEWER		LIN. FT.			
·					
TANDARD MANHOLE W/FRAME & COVER		EACH			
AMPLING MANHOLE/PORT		EACH			
ANDSCAPING	1	LUMP SUM	\$20,000	\$20,000	YES
MENITIES (INCLUDING BUT NOT LIMITED TO TRAILS, ETC)		LUMP SUM		`	
			1		
TORMWATER MANAGEMENT	1	LUMP SUM	\$30,000	\$30,000	YES
S-BUILT PLANS (STORM SEWER SYSTEMS)	1	LUMP SUM	\$2,000	\$2,000	YES
S-BUILT PLANS (STORMWATER MANAGEMENT)	1	LUMP SUM	\$5,000	\$5,000	YES
0% CONTINGENCY				\$34,611	
STIMATED TOTAL					
				\$380,726	

	ESSATION BATE BY
	REVISIONS
	APPROVALS PRINCIPAL-IN-CHARGE
	RESCH PROJECT ARCHITECT/ENGIN
	LS DESIGN ARCHITECT OF RECOR
	STANFORD SITE ENGINEERING RESCH
	STRUCTURAL ENGINEER WHITE
	MECHANICAL ENGINEERI - ELECTRICAL ENGINEERII
	DRAWN: RLA
	DESIGNED: EJR CHECKED: EJR
	THIS DRAWING AND THE DESIGN SHOWN THEREO
	ARE THE PROPERTY OF CARLISLE ASSOCIATES IN
	THE REPRODUCTION, COPYING OR USE OF THI DRAWING WITHOUT THEIR
	PROHIBITED AND ANY
	INFRINGEMENT WILL BE SUBJECT TO LEGAL ACTION. © 2012 C
	Enjoy
	Coeu Gold
	Fitts
	Goodwin General Contractor
	CARLISLE ASSOCIATE
	ASSOCIATE
	ARCHITECTS
	ENGINEERS
	1015 GERVAIS STREET COLUMBIA, SOUTH CAROLINA 2 803-252-3232
	803-252-3232
	7
	KE JSE JON
	NOKE HOUSE
	\perp \perp \perp \perp \perp
	COCA ROAI NAREI
	BBO 1505
	PROJECT TITLE
	~ .
	COVER
	i i i i i i i i i i i i i i
	0 0
	. ~
	FILE NAME: C311-02 Cplan.
	DATE: 6/4/12
	SHEET NUMBER
1	

1 OF 12 SHEETS

SHEE1

cility