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. 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 Environmental Quality. The Responsible Land Disturber can be anyone from the Project team that is certified by the Commonwealth 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.
- 3. 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.
- . An approved set of plans, Storm Water Pollution Prevention Plan (SWPPP), VSMP coverage letter, and all permits must be available at the construction site at all times.
- 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 to
- 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 or Combined Erosion Control & VSMP Permit is given to the developer at this pre-construction meeting.
- 11. Notify the County of Roanoke prior to beginning installation of ESC measures. The County will inspect initial installations to ensure compliance with approved plan prior to start of grading. The developer SHALL contact the project inspector 24 hours before beginning any grading or construction on the property.
- 12. County inspectors must inspect storm drain / stormwater management / BMP installations during the process of installation. Please contact the site inspector 24
- 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 or VA 811.
- 15. 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
- 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
- 20. Plan approval in no way relieves the developer or contractors of the responsibilities
- contained within the erosion and sediment control or stormwater management 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
- 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 CBR 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 on 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

The notes on this sheet shall not be modified.



COUNTY OF ROANOKE, VA

MAGISTERIAL DISTRICT(S) VINTON KROGER LIMITED PARTNERSHIP I 3631 PETERS CREEK RD. ROANOKE, VA 24038	ENT PLAN AND OTHER APPLICABLE ROANOKE COUNTY CODES. ERTIFY THAT I AGREE TO COMPLY WITH THESE REQUIREMENTS IIRTY (30) POINTS SHOWN ON THIS COVER SHEET UNLESS I ACCORDANCE WITH LOCAL LAW.
OVVNER (name, address, telephone) 3631 PETERS CREEK RD. ROANOKE, VA 24038	
VALVOLINE INSTANT OIL CHANGE ATTN: JASON HUNT DEVELOPER (name, address, telephone) 100 VALVOLINE WAY LEXINGTON, KY 40509 (859) 357-7188	
ENGINEER, ARCHITECT OR SURVEYOR (name, address, telephone) CESO, INC. 2800 CORPORATE EXCHANGE DR. SUITE 160 COLUMBUS, OHIO 43231 (614) 942-3017	

WATER NOTES

- All water facilities shall be constructed according to the Western Virginia Regional 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 12VAC5-590-1150, where lines cross.

All trenches in existing or future highway right-of-ways shall be compacted according to Virginia Department of Transportation

Lines shall be staked prior to construction.

Water main shall be minimum Class 350 Ductile Iron in accordance to AWWA C151 or DR-14 PVC in accordance with AWWA C-900.

Ductile Iron Pipe in accordance with the Western Virginia Regional 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: __18-2

GAS METER

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.

EXISTING FEATURES LEGEND APPLIES TO ALL CIVIL SHEETS

	APPLIES TO ALL CIVIL SHEETS		
	R/W		RIGHT OF WAY LINE
			- PARCEL LINE
			- SUBJECT PROPERTY BOUNDAR
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		······································	UGND ELECTRIC LINE
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	· · · · · · · · · · · · · · · · · · ·	~~~ ******	MINOR CONTOUR
	WATER METER		STORM CATCH BASIN
W	WATER VALVE	Щ	STORM INLET BASIN
b	POWER/TELEPHONE POLE	0	STORM MANHOLE
d	POWER POLE	0	STORM CLEAN OUT
國	AIR CONDITIONER	(S)	SANITARY MANHOLE
E	ELECTRIC BOX	@	SANITARY CLEAN OUT
¢	LIGHT POLE	•	TRAFFIC/ SIGNAL POLE
G∨ ⊠	GAS VALVE	(TRAFFIC MANHOLE

SIGN

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

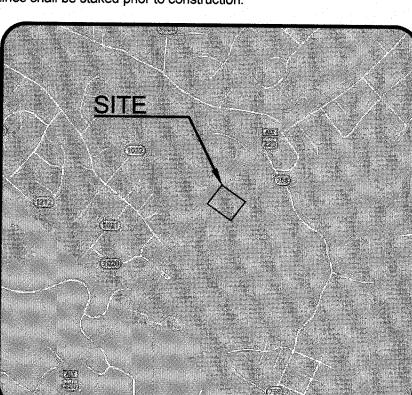
A minimum cover of three (3) feet is required over proposed lines.

Contractor shall be responsible for locating and uncovering all manholes after

All existing utilities may not be shown in their exact location. The contractor shall comply with (State Water Works Regulations, Section 12VAC5-590-1150, where

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.



Sheet List Table					
Sheet Number	Sheet Title				
C1.0	TITLE SHEET				
C2.0	EXISTING CONDITIONS & DEMOLITION PLAN				
C3.0	SWPPP				
C3.1	SWPPP NOTES				
C3.2	SWPPP DETAILS				
C4.0	SITE PLAN				
C5.0	GRADING PLAN				
C5.1	STORM PROFILES				
C6.0	UTILITY PLAN				
C6.1	UTILITY DETAILS				
C7.0	CONSTRUCTION DETAILS				
C7.1	CONSTRUCTION DETAILS				
C8.0	PHOTOMETRIC PLAN				
L-1.0	LANDSCAPE PLAN				
L-1.1	LANDSCAPE DETAIL				
L-2.0	IRRIGATION PLAN				
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SURVEY INFORMATION

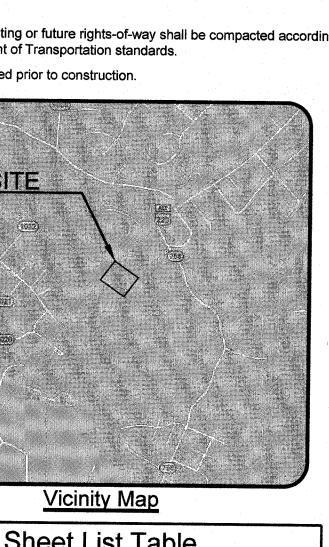
All horizontal elevations must be referenced to the North American Datum of 1927 or 1983. NAD83 - VA STATE PLANE, Horizontal Datum: SOUTH ZONE

Benchmark Information: SPIKE IN EX. UTILITY POLE - ELEVATION = 1034.93

The professional seal and signature certifies the boundary survey and topographic mapping to

SEWER NOTES

paving. Manhole tops shall be adjusted to grade if necessary.



SURFACE TREATMENT

-IN. BIT. CONC.: TYPE B-

-IN. BIT. CONC.: TYPE S-

-IN. SUBBASE MATERIAL

FIRE HYDRANT ASSEMBLIES

8" SANITARY SEWER

LANDSCAPING

SUBTOTAL

10% CONTINGENCY

ESTIMATED TOTAL

SAMPLING MANHOLE/PORT

STORMWATER MANAGEMENT

AS-BUILT PLANS (STORM SEWER SYSTEMS)

AS-BUILT PLANS (STORMWATER MANAGEMENT)

BLOW OFFS W/ VAULT, FRAME & COVER

STANDARD MANHOLE W/FRAME & COVER

AMENITIES (INCLUDING BUT NOT LIMITED TO TRAILS, ETC...)

-IN. GATE VALVES, W/ VAULT, FRAME & COVER

-IN. GATE VALVES, W/ VAULT, FRAME & COVER

-IN. BASE MATERIAL

TRAFFIC BARRICADE

8" WATER LINE

6" WATER LINE

Sheet List Table				
Sheet Number	Sheet Title			
C1.0	TITLE SHEET			
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C5.1	STORM PROFILES			
C6.0	UTILITY PLAN			
C6.1	UTILITY DETAILS			
C7.0	CONSTRUCTION DETAILS			
C7.1	CONSTRUCTION DETAILS			
C8.0	PHOTOMETRIC PLAN			
L-1.0	LANDSCAPE PLAN			
L-1.1	LANDSCAPE DETAIL			
L-2.0	IRRIGATION PLAN			
	Sheet Index			

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Horizontal and vertical control surveys were performed in year: 2018

All vertical elevations must be referenced to the National Geodetic Vertical Datum of 1929 or 1988.

Source of topographic mapping is dated 04/05/2018

Boundary was performed by <u>HURT & PROFFITT</u> dated: <u>2018</u>

be accurate and correct.

QUAN	ITITY & CO.	ST FS	TIMA TE		
ITEM	QUANTITY	UNIT	UNIT PRICE	COST	
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EMBANKMENT		C.Y.			
		0.1.			
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MANHOLE MH-2	2	EA	\$1,000.00	\$5,000.00	
12" HDPE PIPE	202	LF		\$2,000.00	
8" PVC SDR 35	64	LF	\$25.00 \$6.50	\$5,050.00	
6" PVC SDR 35	37	LF		\$416.00	
	31	LF .	\$5.00	\$185.00	
-IN. CONCRETE PIPE, CLASS III		LF			
-IN. CONCRETE PIPE, CLASS IV		LF.			
		LF.			
				·	
-IN. C.M. CULVERT		1.			
-IN. C.M. CULVERT		LF			
		LF			
BOX CULVERT					
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PAVED SWALE					
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RIPRAP - CLASS					
		SF			
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BY SEALING THE PLANS. THE DESIGN PROFESSIONAL HEREBY CERTIFIES THAT THE FOREGOING ESTIMATE REFLECTS THE CURRENT

\$9,500.00

\$22,151.00

\$2,215.10

\$24,366.40



DEVELOPER: 100 VALVOLINE WAY

LEXINGTON, KY 40509 CONTACT: JASON HUNT PHONE: (859) 357-7188 EMAIL: JASON.HUNT@VALVOLINE.COM

CONSTRUCTION MANAGER VALVOLINE INSTANT OIL CHANGE 100 VALVOLINE WAY LEXINGTON, KY 40509 **CONTACT: JERETT VANCE**

ENGINEER:

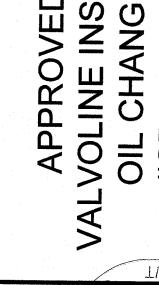
PHONE: (859) 357-2198

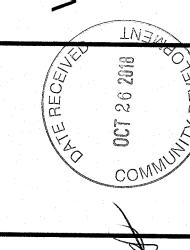
CESO, INC. 2800 CORPORATE EXCHANGE DR. SUITE 160 COLUMBUS, OH 43231 CONTACT: JEFF LONCHOR PHONE: 614-942-3017

EMAIL: LONCHOR@CESOINC.COM

EMAIL: JVANCE@VALVOLINE.COM

ARCHITECT CESO, INC. 175 MONTROSE WEST AVE. SUITE 400 AKRON, OH 44321 CONTACT: BEN RIHA PHONE (330) 396-5669 EMAIL: RIHA@CESOINC.COM





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APPROVED CONSTRUCTION OANOKE COUNTY	ent	Review			ſ

I AM CERTIFIED BY THE STATE OF VIRGINIA AS A "RESPONSIBLE LAND DISTURBER." I SHALL BE RESPONSIBLE FOR THE IMPLEMENTATION OF THI EROSION AND SEDIMENT CONTROL PLAN AS

RINTED NAME:

CERTIFICATE DATE:

FELEPHONE NUMBER: ADDRESS:

REGISTERED LAND DISTURBER

SHEET