GENERAL NOTES

PRE-CONSTRUCTION MEETING AND CONSTRUCTION COMMENCEMENT:

- . 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.
- 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, 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.
- 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 hours in advance.
- 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 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
- 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.
- . 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

CLEARING AND GRUBBING

EMBANKMENT

MANHOLE MH-2

12" HDPE PIPE

8" PVC SDR 35

6" PVC SDR 35

-IN. CONCRETE PIPE, CLASS III

-IN. CONCRETE PIPE, CLASS IV

-IN. C.M. CULVERT

-IN. C.M. CULVERT

BOX CULVERT

PAVED SWALE

RIPRAP - CLASS

PERMANENT GRASS SWALE

-IN. END SECTION ES-

HEADER CURB & GUTTER CG-

VALLEY GUTTER

GRAVEL SHOULDER

SURFACE TREATMENT

-IN. BASE MATERIAL

TRAFFIC BARRICADE

8" WATER LINE

6" WATER LINE

-IN. BIT. CONC.: TYPE B-

-IN. BIT. CONC.: TYPE S-

-IN. SUBBASE MATERIAL

FIRE HYDRANT ASSEMBLIES

8" SANITARY SEWER

LANDSCAPING

SAMPLING MANHOLE/PORT

STORMWATER MANAGEMENT

10% CONTINGENCY

ESTIMATED TOTAL

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

GRAVEL BASE

-IN. CONCRETE ENDWALL EW-

VDOT DROP INLET DI-

NAME OF DEVELOPMENT PROPOSED VALVOLINE INSTANT OIL CH	IANGE	I, OWNER/DEVELOPER, AM AWARD 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.
OWNER (name, address, telephone) 3631 PETERS CREEK RD. ROANOKE, VA 24038		
VALVOLINE INSTANT OIL CONTROL OF	HANGE ATTN: JASON HUNT (859) 357-7188	
ENGINEER, ARCHITECT OR SURVEYOR (name, address, telephone)	CESO, INC. 2800 CORPORATE EXCHANGE DR. SUITE 160 COLUMBUS, OHIO 43231 (614) 942-3017	
TAX MAP NO(S) 050.01-01-05.12-0000		

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: 18-298

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	
R/W	RIGHT OF WAY LINE
	— PARCEL LINE
	- SUBJECT PROPERTY BOUNDARY LINE
ESMT	- EASEMENT LINE
A ANNOUNCE AND AND ANNOUNCE AND AND AND ANNOUNCE AND	CURB
	EDGE OF PAVEMENT
ener transforden bleistergenen handerbeken deneralische deneralische deneralische	EDGE OF WALK
	PAVEMENT MARKINGS
STM	STORM SEWER
SAN	SANITARY SEWER
	WATER LINE
- G	GAS LINE
OHE	OVHD ELECTRIC LINE
UGE	UGND ELECTRIC LINE
UGT	UGND TELECOMM LINE
осиновая направлення індиськация запанення IGO запаненняю осинатива пинаненняю за	MAJOR CONTOUR
4/2	MINOR CONTOUR

SAN viiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	SANITARY SEWER
	WATER LINE
G	GAS LINE
, management ()	OVHD ELECTRIC LINE
UGC.	UGND ELECTRIC LINE
	UGND TELECOMM LINE
подостоямия онеожетнего поменящими понименти ТОО экспениять понимента поним	MAJOR CONTOUR
reconstruction management remaining file amounts.	- MINOR CONTOUR
WATER METER	⊕ STORM CATCH BASIN
WATER VALVE	STORM INLET BASIN
POWER/TELEPHONE POLE	© STORM MANHOLE
D POWER POLE	© STORM CLEAN OUT
AIR CONDITIONER	S SANITARY MANHOLE
E ELECTRIC BOX	SANITARY CLEAN OUT
☼ LIGHT POLE	TRAFFIC/ SIGNAL POLE
GAS VALVE	TRAFFIC MANHOLE

⅓ SIGN

GAS METER

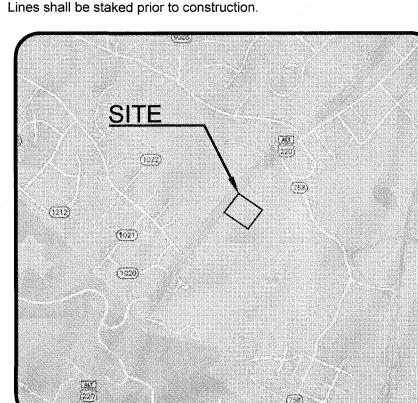
SEWER NOTES

All sanitary sewer facilities shall be installed according to the Western Virginia

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 12VAC5-590-1150, where

All trenches in existing or future rights-of-way shall be compacted according to Virginia Department of Transportation standards.



S	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	

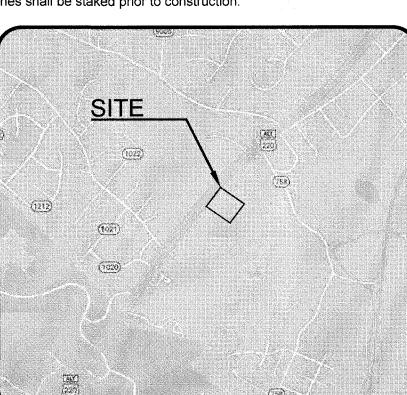
SURVEY INFORMATION

All vertical eleva	tions must be referen-	ced to the National Geodetic Vertic	cal Datum of 1929 or 1988
All horizontal ele		enced to the North American Datu	m of 1927 or 1983.
Horizontal Datu	NAD83 - VA STATE P n: SOUTH ZONE	_ANE, Vertical Datum: NAVD88	

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

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



Vicinity Map

Sheet List Table		
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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

Horizontal and vertical control surveys were performed in year: 2018 By: HURT & PROFFITT
All vertical elevations must be referenced to the National Geodetic Vertical Datum of 1929 or 1988. All horizontal elevations must be referenced to the North American Datum of 1927 or 1983. NAD83 - VA STATE PLANE.
Horizontal Datum: SOUTH ZONE Vertical Datum: NAVD88
Source of topographic mapping is dated 04/05/2018
Boundary was performed by HURT & PROFFITT dated: 2018



DEVELOPER: VALVOLINE INSTANT OIL CHANGE

QUANTITY & COST ESTIMATE

202

64

37

AC

C.Y.

C.Y.

EA

EA

LF

LF

LF

LS

LF

EA

EA

LF

SY

SY

SY

C.Y.

C.Y.

LF

EA

EA

EA

LS

LS

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

\$24,366.10

UNIT PRICE

\$2,500.00

\$1,000.00

\$25.00

\$6.50

\$5.00

COST

\$5,000.00

\$2,000.00

\$5,050.00

\$416.00

\$185.00

BONDABLE

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

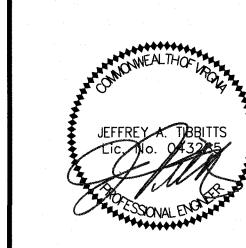
CONSTRUCTION MANAGER VALVOLINE INSTANT OIL CHANGE 100 VALVOLINE WAY

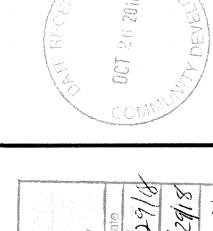
LEXINGTON, KY 40509 CONTACT: JERETT VANCE PHONE: (859) 357-2198 EMAIL: JVANCE@VALVOLINE.COM

ENGINEER: CESO, INC. 2800 CORPORATE EXCHANGE DR. SUITE 160

COLUMBUS, OH 43231 CONTACT: JEFF LONCHOR PHONE: 614-942-3017 EMAIL: LONCHOR@CESOINC.COM

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





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 SHOWN.

SIGNATURE:

RINTED NAME: ERTIFICATE DATE:

ELEPHONE NUMBER: ADDRESS:

REGISTERED LAND DISTURBER

SHEET OF

CHARLES CRUSH As- BUILTS 07-22-19