GENERAL NOTES

PRE-CONSTRUCTION MEETING AND CONSTRUCTION COMMENCEMENT:

- Field corrections shall be approved by the Roanoke County and/or the Western Virginia Water Authority and the Professional of Record, prior to such construction.
- 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:

- Plan approval by Roanoke County does not guarantee issuance of any permits by the Virginia Department of Transportation.

See Sheet 4 for New BMP Information Table.

The Project Engineer shall provide electronic copies of the approved plans to the Development Review Coordinator within 5 working days of the pre-construction



COUNTY OF ROANOKE, VA

NAME OF DEVELOPMENT: OGDEN ROAD PROFESS OFFICE PARK	IONAL	I, OWNER/DEVELOPER, AM AWARE OF THE SITE DESIGN REQUIREMENTS IMPOSED BY THIS SITE DEVELOPMENT PLAN AND OTHER APPLICABLE ROANGKE COUNTY CODES. I			
MAGISTERIAL DISTRICT(S): CAVE SPRING MAGISTE	RIAL DISTRICT	HEREBY CERTIFY THAT I AGREE TO COMIFY WITH THESE REQUIREMENTS AND THE THRITY (20) POINTS SHOWN ON THIS COVER SHEET UNLESS MODIFIED IN ACCORDANCE WITH LOCAL LAW.			
OWNER (name, address, telephone) CWCU LLC, Att: Dr. (540) 777-0090		216 PEREGRINE CREST CIR. IOANOKE, VA 24018			
DEVELOPER (name, address, talophone): CWCU LLC, Att: E (540) 7777-0090	Dr. Chheany Ung	5216 PEREGRINE CREST CIR. ROANOKE, VA 24018			
ENGINEER, ARCHITECT OR SURVEYOR (name, address, telephone):	LUMSDEN ASSOCIATES, P.C. (540) 774-4411	4664 BRAMBLETON AVENUE ROANOKE, VA 24018			
077.44.04.50.00					

WATER AND SEWER NOTES

- etc.) when application.

 2. An innivian core of three (2) feet is required on all WWW, water and sever lines.

 3. All confirms core of three (2) feet is required on all WWW, water and sever lines.

 3. All confirms quillies may not be silven in their coard locations. The contrador shall notly like Mark Unity and half work just location and several confirms of the several could be sold to the several confirms of the several could be sold to the several could be several to the several several could be several se

- Field changes shall be submitted by the engineer of record to the locality and approved by the WWWA.



LEGEND

operty Line —	9	
ght-of-way —	R/W	
enterine —	QL .	
inimum Building Line		4
disting Storm Sewer		ı
disting Sanitary Sewer		۰
disting Water Main	⊕	4
risting Contour	1045	4
oposed Contour	1045	-
oposed Drainage Divide		4
reposed Limits of Clearing -	24°8.D.	•
oposed Storm Sewer -	8°- MH	•
oposed Sanitary Sewer		-

PRIVATE UTILITIES

PR #:	NOTES:
1	SEE PLAN REVISION TABLE ON SHEET No. 2
2	SANTARY SEMER CROSSING OGDEN RD. NOW OPEN CUT

SHEET No.	DESCRIPTION
1	COVER SHEET
2	NOTES DETAILS
3	DEMOUTION & UTILITY RELOCATION PLAN
4	DIMENSIONAL LAYOUT
5	GRADING PLAN
8	STORM DRAIN, SANITARY SEMER & WATER PROFILES
7	RETAINING WALL PLAN & PROFILES
8	PHASE I EROSION AND SEDIMENT CONTROL PLAN
9	PHASE II EROSION AND SEDIMENT CONTROL PLAN
10	EROSION & SEDMENT CONTROL NARRATIVE NOTES & DETAILS
11	WAINTENANCE OF TRAFFIC PLAN
11A	MAINTENANCE OF TRAFFIC PLAN
12	LANDSCAPE PLAN
13	WYWA DETAILS
	Sheet Index

Benchmark Information: Sanitary Sewer Rim, Elevation = 1096.12

PR #:	NOTES:
1	SEE PLAN REVISION TABLE ON SHEET No. 2
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	Sheet Index

SURVEY INFORMATION

Materials: Water: 6" Dura Blue National Nate . 8" North American Valves Ol." 28" American Flow Control Hydrant: American Darling 884 B-5 Manholes Eastern Vault L' SDR ZL National 8" SDR 35 National

ITEM	QUANTITY	UNIT	UNIT PRICE	COST	BONDABLE
CLEARING AND GRUBBING	3	ACRES	\$1,500.00	\$4,500.00	\$4,500.00
EARTHWORK	13,000	C.Y.	\$4.31	\$55,965.00	\$55,985.00
CURB INLET DI-3	9	EACH	\$2,000.00	\$18,000.00	\$18,000.00
GRATE INLET DI-1	0	EACH	\$1,200.00	\$0.00	\$0.00
SRATE INLET DI-7	1	EACH	\$1,500.00	\$1,500.00	\$1,500.00
STORM DRAIN MANHOLE	3	EACH	\$1,200.00	\$3,600.00	\$3,900.00
IN. SD	57	LF.	\$20.00	\$1,140.00	\$1,140.00
IS IN 8D	447	LF.	\$25.00	\$11,175.00	\$11,175.00
18 IN. SD	23	LF.	\$35.00	\$806.00	\$806.00
24 IN. 8D	124	LF.	\$50.00	\$6,200.00	\$8,200.00
90 IN. SD	89	LF.	\$65.00	\$5,786.00	\$5,785.00
12 IN. ENDWALL EW-1	0	EACH	\$700.00	\$0.00	\$0.00
IS IN. ENDWALL EW-1	0	EACH	\$800.00	\$0.00	\$0.00
IS IN, ENDWALL EW-1	0	EACH	\$1,000.00	\$0.00	\$0.00
24 IN. ENOWALL EW-1	1	EACH	\$1,300.00	\$1,300.00	\$1,300.00
30 IN. ENDWALL EW-1	0	EACH	\$1,600.00	\$0.00	\$0.00
36 IN. ENDWALL EW-2	0	EACH	\$2,000.00	\$0.00	\$0.00
IS IN. END SECTION ES-1	0	EACH	\$500.00	\$0.00	\$0.00
IS IN. END SECTION ES-1	0	EACH	\$700.00	\$0.00	\$0.00
24 IN, END SECTION ES-1	0	EACH	\$900.00	\$0.00	\$0.00
30 IN, END SECTION ES-1	0	EACH	\$1,000.00	\$0.00	\$0.00
96 IN. END SECTION ES-1	0	EACH	\$1,600.00	\$0.00	\$0.00
CURB OG-2	1,903	LF.	\$12.00	\$22,836.00	\$22,836.00
CURB & GUTTER CG-6	1,140	LF.	\$16.00	\$18,240.00	\$18,240.00
IN AGGREGATE BASE 21-B	5,625	S.Y.	\$8.00	\$46,600.00	\$46,600.00
N. ASPHALT PAVEMENT SM-9.5A	4,239	S.Y.	\$6.00	\$25,434.00	\$25,434.00
IN ASPHALT PAVEMENT BM-25	1,586	S.Y.	\$5.00	\$7,930,00	\$7,930,00
		S.Y.			
SIN. WATER LINE	116	LE	\$40.00	\$4,640.00	\$4,640.00
FIRE HYDRANT ASSEMBLIES	1	EACH	\$3,500.00	\$3,500.00	\$3,500.00
BLOW OFFS WWALLT, FRAME & COVER	0	EACH	\$1,400.00	\$0.00	\$0.00
B IN. GATE VALVES WIVAULT, FRAME & COVER	1	EACH	\$1,200.00	\$1,200.00	\$1,200.00
IN. SANITARY SEWER	760	LE	\$50.00	\$38,000.00	\$38,000.00
S IN. SANITARY SEWER	200	LF.	\$45.00	\$9,000.00	\$9,000.00
STANDARD MANHOLE WIFRAME & COVER	6	FACH	\$3,000.00	\$18,000.00	\$18,000.00
SANITARY SEWER CLEANOUT	6	EACH	\$750.00	\$4,500.00	\$4,500.00
SANITARY SEWER OGDEN RD. OPENCUT	1	LUMP SUM	\$10,000.00	\$10,000.00	\$10,000.00
BITE LANDSCAPING	1	LUMP SUM	\$14,500.00	\$14,500.00	\$14,500.00
RETAINING WALL	1	LUMP SUM	\$145,000.00	\$145,000.00	\$145,000.00
					100
CONCRETE SIDEWALKS	1,670	S.F.	\$5.00	\$8,390.00	\$8,350,00
CONCRETE DUMPSTER PADS	880	S.F.	\$8.00	\$7,040.00	\$7,040.00
OG-9D ENTRANCE	1,400	S.F.	\$8.00	\$11,200.00	\$11,200,00
CONCRETE DITCH	280	S.F.	\$8.00	\$2,240.00	\$2,240.00
STORMWATER MANAGEMENT	1	LUMP SUM	\$69,500.00	\$69,500.00	\$69,500.00
DI DISMANTER MAINIGEMENT		LUMP' SUM	J. 1,500.00	JAM,500.00	Jul 200000
AS-BUILT PLANS (STORM SEWER SYSTEMS)	1	LUMP SUM	\$2,900.00	\$2,500,00	\$2,500.00
AS-BUILT PLANS (STORMWATER MANAGEMENT)	1	LUMP SUM	\$2,500.00	\$2,500.00	\$2,500.00
			-		
BUBTOTAL				\$582,700.00	\$582,700.00
0% CONTINGENCY				\$58,270.00	\$58,270.00

DEWALKS	1,670	S.F.	\$5.00	\$8,390.00	\$8,350,00
UMPSTER PADS	880	S.F.	\$8.00	\$7,040.00	\$7,040,00
NCE	1,400	S.F.	\$8.00	\$11,200.00	\$11,200,00
тсн	280	S.F.	\$8.00	\$2,240.00	\$2,240,00
RMANAGEMENT	1	LUMP SUM	\$89,500.00	\$89,500.00	\$69,500.00
NS (STORM SEWER SYSTEMS)	1	LUMP SUM	\$2,500.00	\$2,500.00	\$2,500.00
NS (STORMWATER MANAGEMENT)	1	LUMP SUM	\$2,500.00	\$2,500.00	\$2,500.00
ENCY				\$58,270.00	\$58,270.00
ENCY				\$582,700.00 \$58,270.00	\$582,700.00 \$58,270.00
DTAL				\$840,970.00	\$840,970.00
HE PLANS, THE DESIGN PROFESSIONAL HER T COSTS OF THIS PROJECT.	EBY CERTIFIES THA	T THE FOREGOING E	STIMATE REFLECT	S THE CURRENT	

PHONE: (540) 774-4411 FAX: (540) 772-9445 WWW.LUMSDENPC.COM

LUMSDEN ASSOCIATES, COMMISSION NUMBER:

2018-262

PLANNERS

SURVEYORS

Associates,

Lumsden ENGINEERS |

APPROVED SEPTEMBER 18, 2019

PLAN REVISION NO. 2
APRIL 20, 2021

Southwest

Inspector: Bruce Peters Contractor:

Exc.

OGDEN ROAD
PROFESSIONAL OFFICE PARK
CRAIGHEAD & ASSOCIATES
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