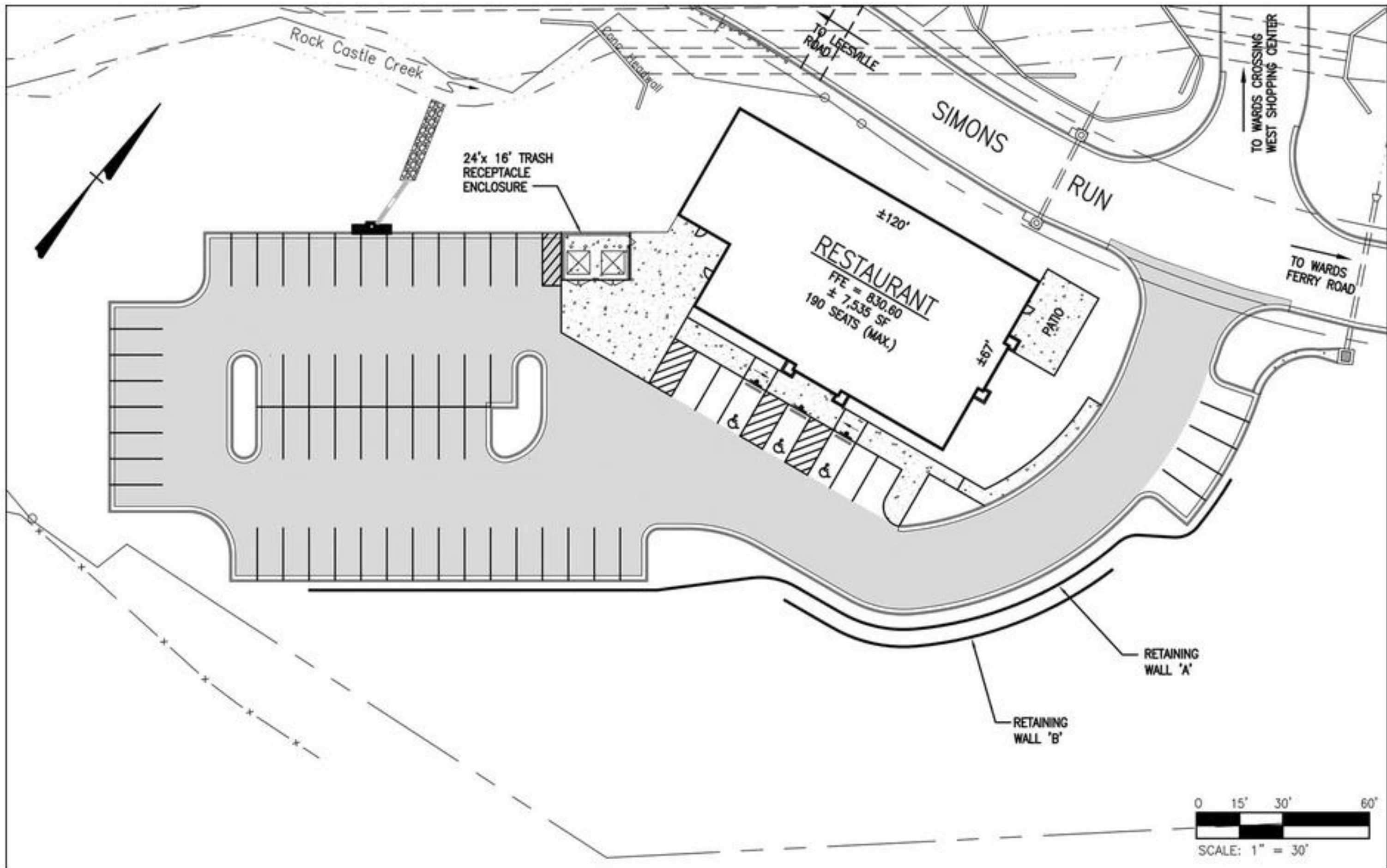
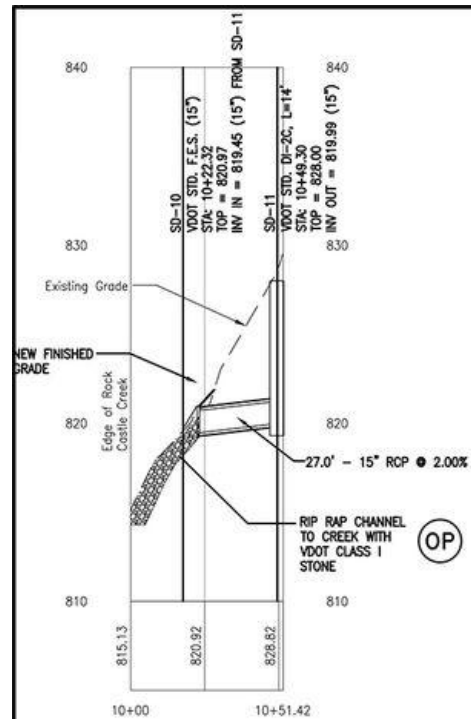






PROFILE- 15" SD
SCALE: 1" = 30' H.
1" = 5' V.

STORMWATER SITE STATISTICS		
	EXISTING	PROPOSED
TOTAL DISTURBED AREA (AC)	0.000	1.480
TOTAL SITE AREA (AC)	3.205	3.205
IMPERVIOUS AREA (AC)	0.101	0.964
MANAGED TURF AREA (AC)	1.382	0.519
OPEN SPACE / FOREST AREA (AC)	0.000	0.000
RIGHT-OF-WAY DISTURBANCE (AC)	0.000	0.000
KARST PRESENT (Y / N)	N	N

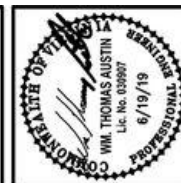
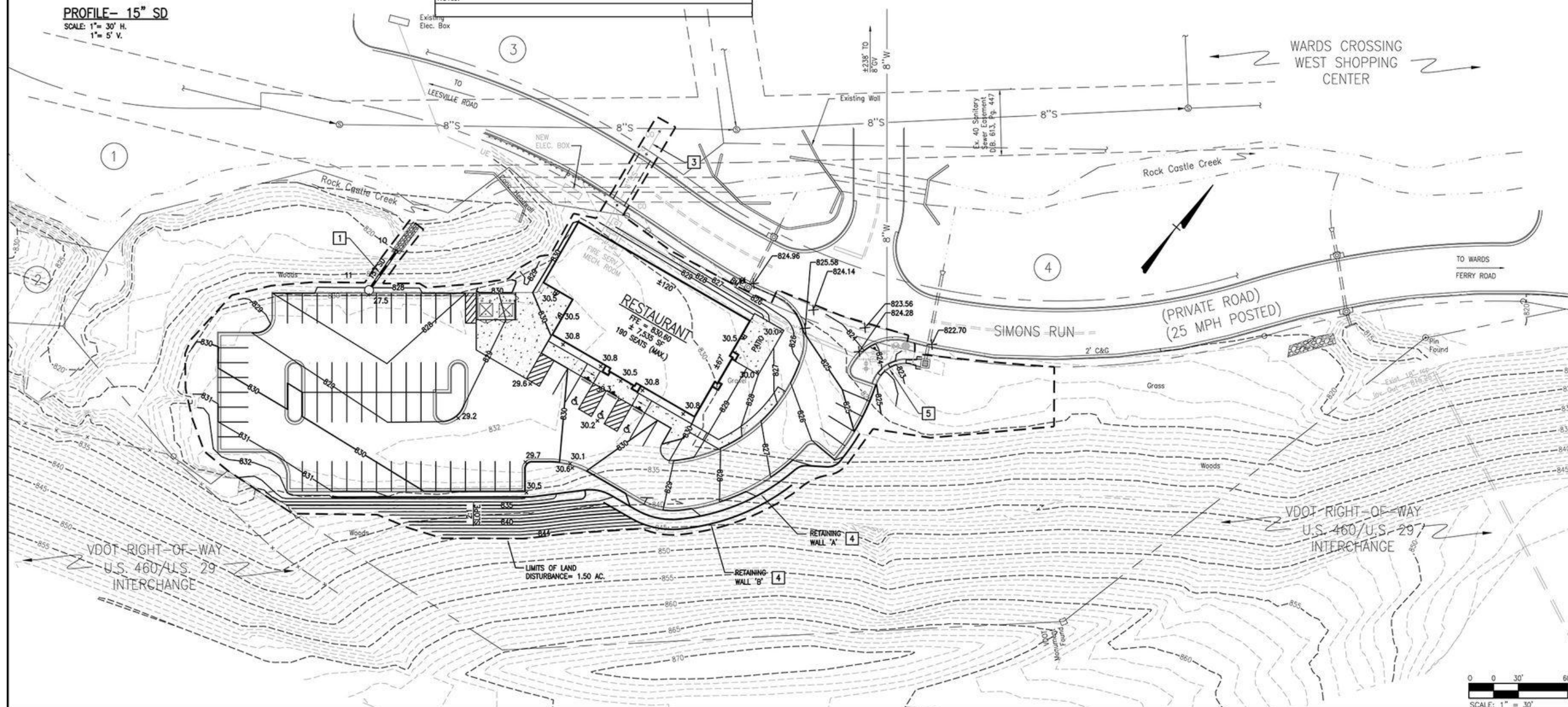
USE OF NUTRIENT BANK CREDITS FOR BMP	
CRITERIA	BMP
BMP TYPE:	NUTRIENT BANK CREDIT
NAME OF AUTHORIZED NUTRIENT BANK:	TBD
REQUIRED PHOSPHORUS TO BE REMOVED (LBS/YR):	1.77
AMOUNT OF PHOSPHORUS CREDIT PURCHASED (LBS/YR):	1.77
TECHNICAL REQUIREMENTS MET (PART IIB OR IIC):	PART IIB
TOTAL AREA TREATED (AC):	1.483
IMPERVIOUS AREA TREATED BY BMP (AC):	0.964
MANAGED TURF AREA TREATED BY BMP (AC):	0.519
OPEN SPACE / FOREST AREA TREATED BY BMP (AC):	0.000
SURFACE AREA OF BMP (AC):	N/A
STORAGE VOLUME OF BMP (AC-FT):	N/A
QUALITY, QUANTITY, OR BOTH?:	QUALITY
TMDL ADDRESSED?:	PHOSPHORUS
NAME OF RECEIVING WATER (PROJECT SITE):	BLACKWATER CREEK
HYDROLOGIC UNIT CODE FOR PROJECT SITE:	IM10
NOTES:	

DRAINAGE PIPE SUMMARY TABLE		
FEATURE ID.	UNITS	11-10
Q2 DESIGN FLOW	CFS	2.2
V2 DESIGN VELOCITY	FT/S	12.5
Q10 DESIGN FLOW	CFS	3.10
V10 DESIGN VELOCITY	FT/S	13.9
PIPE DIAMETER	IN	15.0
PIPE SLOPE	FT/FT	0.150
PIPE MATERIAL	-	RCP
PIPE OWNERSHIP	-	PRIVATE
UPSTREAM STRUCT. TOP ELEV.	FT	828.00
UPSTREAM INVERT ELEV.	FT	824.00
DOWNSTREAM STRUCT. TOP ELEV.	FT	N/A
DOWNSTREAM INVERT ELEV.	FT	821.00
DESIGN UPSTREAM WATER LEVEL	FT	N/A
NOTES:		
(1) - ALL PERMANENT PIPES TO BE REINFORCED CONCRETE PIPE (RCP)		

SEE "DESIGN FLOW SUMMARY TABLE" ON SHEET D-2.

GRADING / STORM DRAINAGE KEYNOTES:

- 1 NEW STORM DRAIN SYSTEM. REFER TO STORM DRAINAGE PROFILES SHOWN ON THIS SHEET FOR STRUCTURE AND STORM DRAINAGE LINE INFORMATION AND STORM DRAINAGE DETAILS.
- 2 STORM DRAIN ROOF LEADER (RD) AND COLLECTION LINE SHALL BE PVC SDR-35 (SIZE 6" SLOPING @ 1.0 % MINIMUM UNLESS OTHERWISE NOTED). SITE CONTRACTOR TO INSTALL ROOF LEADER COLLECTION LINES FROM STORM DRAIN MAIN / MANHOLE TO POINT SHOWN OR TO WITHIN 5-FOOT OF BUILDING. BUILDING CONTRACTOR SHALL CONNECT DOWN SPOUT AND DEDICATED BUILDING STORM DRAIN LINES TO STORM DRAIN ROOF LEADER (RD). REFER TO ARCHITECTURAL PLAN FOR LOCATION OF DOWNSPOUTS.
- 3 NEW SANITARY SEWER LINE AND WATER LINE SHOWN FOR INFORMATION AND COORDINATION PURPOSES ONLY. CONTRACTOR SHALL CONFIRM LOCATION & INVERT OF EXISTING AND NEW UTILITY LINES PRIOR TO INSTALLATION OF STORM DRAINAGE. REFER TO SHEET C-3 FOR ADDITIONAL INFORMATION.
- 4 NEW RETAINING WALL. REFER TO SHEET C-7 FOR WALL ELEVATIONS, TYPICAL SECTION, AND DESIGN / CONSTRUCTION NOTES.
- 5 NEW CONCRETE CURB FLUME (6" X 2" W) FROM NEW PARKING LOT TO EXISTING CATCH BASIN.



Date	
Revisions	

Issue Date:	JUNE 19, 2019
Drawn By:	WTA
Designed By:	AB
Checked By:	WTA
Date:	6/19/19

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COMPSON DEVELOPMENT
NEW RESTAURANT/KAISER CORNER @ WARDS CROSSING WEST
GRADING AND STORM DRAINAGE PLAN
CAMPBELL COUNTY, VIRGINIA

Vertical Scale:	N/A
Horizontal Scale:	1" = 30'
Commission Number:	3794
Sheet No.:	C-4

