

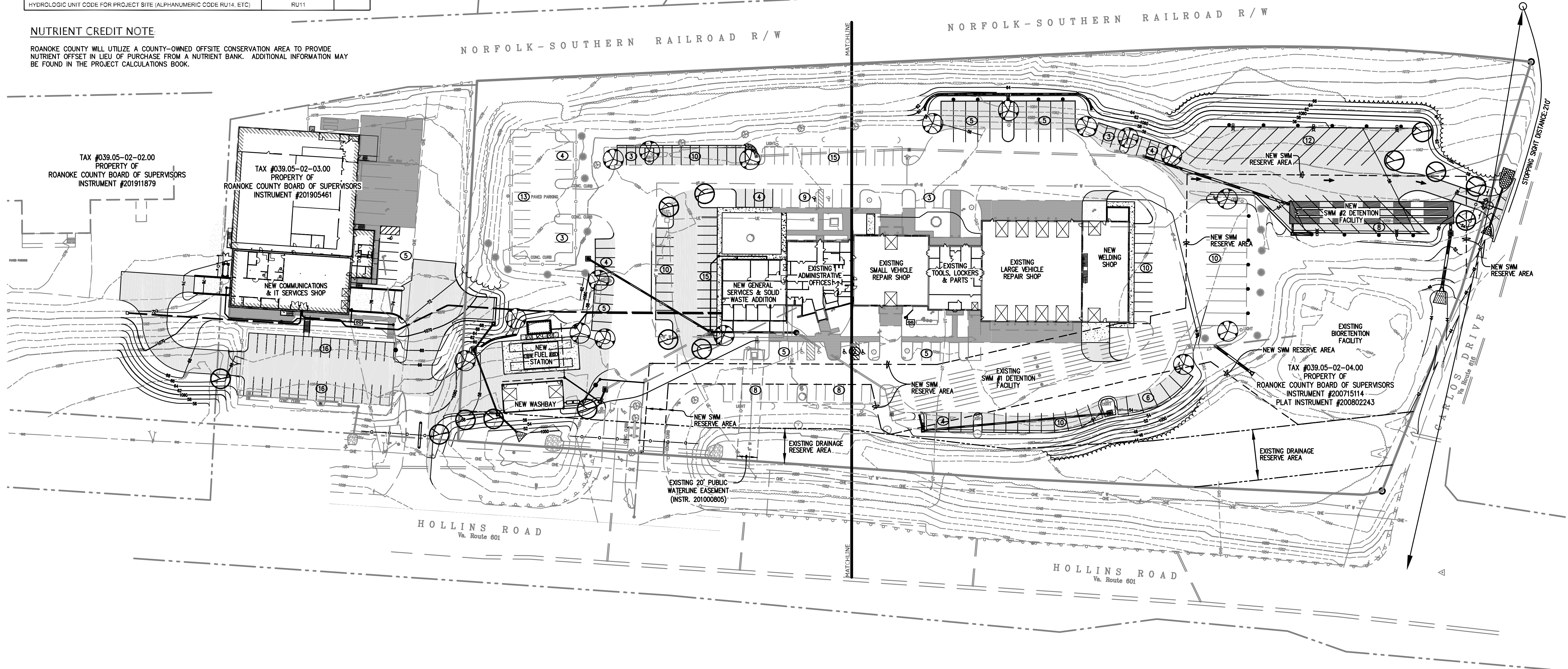
19035-hollins-comp-c-102-ov01.plt

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USE OF NUTRIENT BANK CREDITS FOR BMP		
BMP TYPE	BMP #1	BMP #2
NAME OF AUTHORIZED NUTRIENT BANK	*SEE NOTE BELOW	
REQUIRED PHOSPHORUS TO BE REMOVED (LB/YR)	3.65	
AMOUNT OF PHOSPHORUS CREDIT PURCHASED (LB/YR)	3.65	
TECHNICAL REQUIREMENTS MET (PART IIB OR IIC)	PART IIB	
TOTAL AREA TREATED (AC)	6.60	
IMPERVIOUS AREA TREATED BY BMP (AC)	2.50	
MANAGED TURF AREA TREATED BY BMP (AC)	4.10	
OPEN SPACE / FOREST AREA TREATED BY BMP (AC)	0.00	
SURFACE AREA OF BMP (AC)	N/A	
STORAGE VOLUME OF BMP (AC-FT)	N/A	
QUALITY, QUANTITY, OR BOTH?	QUALITY	
TMDL ADDRESSED? (PHOSPHORUS, BACTERIA, SEDIMENT, ETC)	PHOSPHORUS	
NAME OF RECEIVING WATER (PROJECT SITE)	TINKER CREEK	
HYDROLOGIC UNIT CODE FOR PROJECT SITE (ALPHANUMERIC CODE RU14, ETC)	RU11	

NUTRIENT CREDIT NOTE

ROANOKE COUNTY WILL UTILIZE A COUNTY-OWNED OFFSITE CONSERVATION AREA TO PROVIDE NUTRIENT OFFSET IN LIEU OF PURCHASE FROM A NUTRIENT BANK. ADDITIONAL INFORMATION MAY BE FOUND IN THE PROJECT CALCULATIONS BOOK.



NEW BMP INFORMATION		
BMP TYPE	BMP #1	BMP #2
LEVEL OF TREATMENT (LEVEL 1 OR LEVEL 2)	N/A	N/A
TECHNICAL REQUIREMENTS MET (PART IIB OR IIC)	PART IIB	PART IIB
TOTAL AREA TREATED (AC)	3.40	4.60
IMPERVIOUS AREA TREATED BY BMP (AC)	2.40	2.00
MANAGED TURF AREA TREATED BY BMP (AC)	0.60	2.50
OPEN SPACE / FOREST AREA TREATED BY BMP (AC)	0.10	0.30
SURFACE AREA OF BMP (AC)	N/A	N/A
STORAGE VOLUME OF BMP (AC-FT)	0.97	0.32
MAXIMUM AVERAGE DEPTH (FT)	5	6
QUALITY, QUANTITY, OR BOTH?	QUANTITY	QUANTITY
TMDL ADDRESSED? (PHOSPHORUS, BACTERIA, SEDIMENT, ETC)	N/A	N/A
LATITUDE (DECIMAL DEGREES XX.XXXX)	37.331093	37.330283
LONGITUDE (DECIMAL DEGREES -XX.XXXX)	-79.926137	-79.925581
NAME OF RECEIVING WATER	TINKER CREEK	TINKER CREEK
HYDROLOGIC UNIT CODE (ALPHANUMERIC CODE RU14, ETC)	RU11	RU11

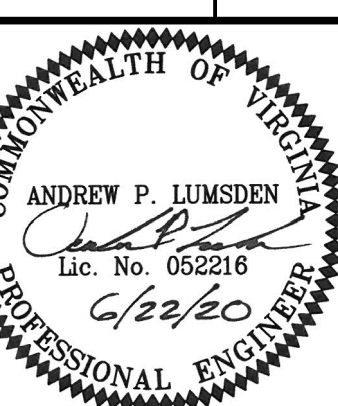
STORMWATER SITE STATISTICS		
	EXISTING	PROPOSED
TOTAL DISTURBED AREA (AC)	0.00	3.40
TOTAL SITE AREA (AC)	10.30	10.30
IMPERVIOUS AREA (AC)	0.40	4.90
MANAGED TURF AREA (AC)	7.20	5.40
OPEN SPACE / FOREST AREA (AC)	2.70	0.00
RIGHT OF WAY DISTURBANCE (SF)	0.00	0.00
KARST PRESENT (Y/N)	NO	NO

PROJECT OVERVIEW MAP

Lumsden Associates, P.C.
ENGINEERS | SURVEYORS | PLANNERS



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PROJECT OVERVIEW MAP

ROANOKE COUNTY
FLEET SERVICE CENTER EXPANSION
PREPARED FOR
ROANOKE COUNTY
BOARD OF SUPERVISORS
SITUATED ALONG HOLLINS ROAD
ROANOKE COUNTY, VIRGINIA

REVISIONS		DESCRIPTION
NO.	DATE	
1	6/22/20	BID SET
2		
3		
4		
5		
DATE:		April 20, 2020
SCALE:		1" = 50'
COMMISSION NO:		19-035H
SHEET		C-102

APPROVED, 7/16/2020