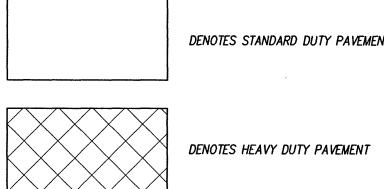
		BMP #1	BMP #2
	NU ⁻	TRIENT BANK CREDIT	NA
NAME OF AUTHORIZED NUTRIENT BANK		UNKNOWN	NA
REQUIRED PHOSOPHORUS TO BE REMOVED (LB/YR)		4.55	NA
AMOUNT OF PHOSPHORUS CREDIT PURCHASED (LB/YR)		4.55	NA
TECHNICAL REQUIREMENTS MET (PART IIB OR IIC)		PART IIB	PART IIB
TOTAL AREA TREATED (AC)		4.1	3.3
IMPERVIOUS AREA TREATED BY BMP (AC)		2.5	2.3
MANAGED TURF AREA TREATED BY BMP (AC)		1.6	1.0
OPEN SPACE / FOREST AREA TREATED BY BMP (AC)		0	0
SURFACE AREA OF BMP (AC)		NA	NA NA
STORAGE VOLUME OF BMP (AC-FT)		NA .	NA NA
QUALITY, QUANTITY, OR BOTH?		QUALITY	QUANTITY
TMDL ADDRESSED? (PHOSPHORUS, BACTERIA, SEDIMENT, ETC)		PHOSPHORUS	NA NA
NAME OF RECEIVING WATER (PROJECT SITE) HYDROLOGIC UNIT CODE FOR PROJECT SITE (ALPHANUMERIC CODE RU14, ET		CARVIN CREEK RU12	CARVIN CREEK RU12
STORMWATER SITE ST	ATISTIC	CS	
STORMWATER SITE ST		_	
STORMWATER SITE ST. TOTAL DISTURBED AREA (AC)	ATISTIC EXISTING	PROPOSED	
TOTAL DISTURBED AREA (AC)	EXISTING 0	PROPOSED 3.9	
TOTAL DISTURBED AREA (AC) TOTAL SITE AREA (AC)	EXISTING 0 4.1	PROPOSED 3.9 4.1	
TOTAL DISTURBED AREA (AC) TOTAL SITE AREA (AC) IMPERVIOUS AREA (AC)	0 4.1 0	PROPOSED 3.9 4.1 2.3	
TOTAL DISTURBED AREA (AC) TOTAL SITE AREA (AC) IMPERVIOUS AREA (AC) MANAGED TURF AREA (AC)	EXISTING 0 4.1 0 4.1	PROPOSED 3.9 4.1 2.3 1.8	
TOTAL DISTURBED AREA (AC) TOTAL SITE AREA (AC) IMPERVIOUS AREA (AC)	0 4.1 0	PROPOSED 3.9 4.1 2.3	

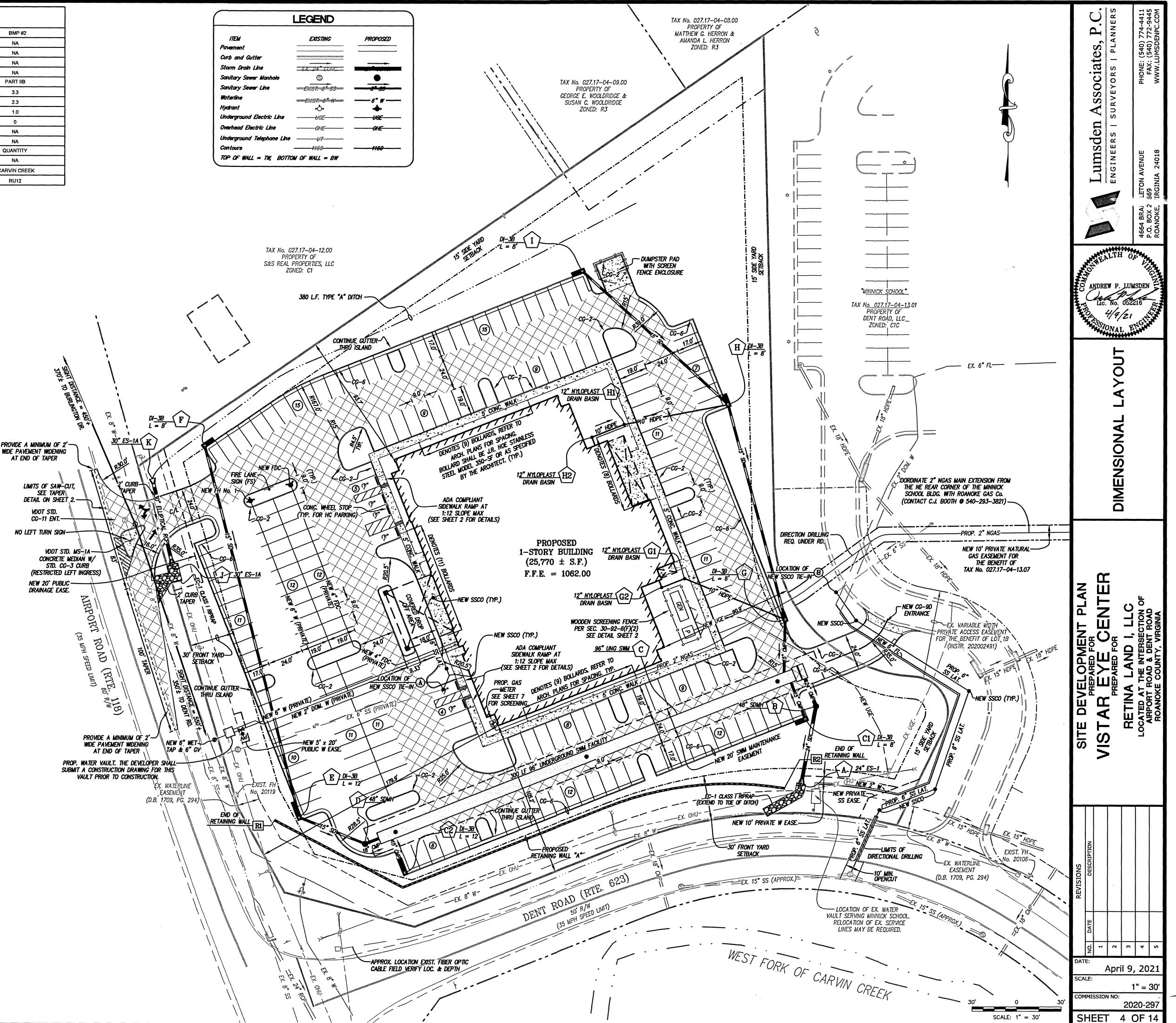


NOTE: CONTRACTOR TO COORDINATE WITH OWNER FOR PROPER SIGNAGE DIRECTING HEAVY VEHICLE TRAFFIC.

- ALL WATER AND SANITARY SEWER FACILITIES ARE TO BE INSTALLED ACCORDING TO THE WESTERN VIRGINIA WATER AUTHORITY DESIGN AND CONSTRUCTION STANDARDS.
- ALL SANITARY SEWER CLEANOUTS WITHIN PAVEMENT SHALL BE H-20 TRAFFIC RATED.
- ALL STORM DRAIN CONSTRUCTION SHALL BE IN ACCORDANCE WITH VDOT'S ROAD AND BRIDGE STANDARDS AND SPECIFICATIONS.
- ALL WATER AND SANITARY SEWER LINES SHALL HAVE A MINIMUM OF 3.0 FEET OF COVER. MAINTAIN A MINIMUM OF 18" CLEARANCE FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE AT ALL WATER, SANITARY SEWER, AND STORM DRAIN CROSSINGS. WHERE THIS CLEARANCE CAN NOT BE ACHIEVED, CONCRETE PIERS SHALL BE UTILIZED IN ACCORDANCE WITH THE WESTERN VIRGINIA WATER AUTHORITY'S WATER AND SANITARY SEWER STANDARDS.
- SANITARY SEWER LATERAL PIPE MATERIAL SHALL BE, PVC SDR-26. NEW WATERLINE MAIN PIPE MATERIAL SHALL BE C900 PVC DR14 WATERLINES, UNLESS
- OTHERWISE INDICATED, OR APPROVED EQUAL. ALL STORM DRAIN CONSTRUCTION SHALL BE IN ACCORDANCE WITH VDOT STANDARDS.
- ALL STORM DRAIN PIPES SHALL BE HDPE OR RCP UNLESS OTHERWISE INDICATED AS CMP.
- . ALL HDPE PIPE SHALL BE ADS WT N-12, OR HP STORM. 11. ALL RCP PIPE SHALL BE CLASS III.
- 12. ALL CMP PIPE SHALL BE ALUMINIZED STEEL, TYPE 2. 96" & 120" PIPE SHALL BE PER MANUFACTURER RECOMENDATIONS.
- 13. ALL NEW DROP INLETS AND STORM DRAIN MANHOLES SHALL HAVE VDOT STD. IS-1, INLET
- INSTALLED.
- CONTACT NICK ROBERTSON AT (540) 283-2932.

- 20. A GEOTECHNICAL ENGINEER SHALL OBSERVE SUBGRADE CONDITIONS PRIOR TO

14. ALL DRAINAGE STRUCTURES DEEPER THAN 4.0 FEET SHALL HAVE STEPS (VDOT STD. ST-1) 15. SAFETY SLABS (VDOT STD. SL-1) ARE REQUIRED IN ALL NEW DRAINAGE STRUCTURES WITH A DEPTH OF 12.0 FEET OR GREATER. THE SPACING OF THE SLABS SHOULD BE 8 TO 12 FEET WITH NO SAFETY SLAB LOCATED WITHIN 6 FEET FROM THE TOP OR BOTTOM OF THE THE CONTRACTOR OR DEVELOPER IS REQUIRED TO NOTIFY THE WESTERN VIRGINIA WATER AUTHORITY IN WRITING AT LEAST THREE (3) DAYS PRIOR TO ANY CONSTRUCTION. PLEASE . All work shall be subject to inspection by the western virginia water 18. ALL WATER CONNECTIONS TO EXISTING LINES SHALL BE COORDINATED WITH AND PERFORMED BY THE WESTERN VIRGINIA WATER AUTHORITY. ALL WATER & SANITARY SEWER CONNECTIONS TO EXISTING LINES SHALL BE COORDINATED WITH AND PERFORMED BY THE WESTERN VIRGINIA WATER AUTHORITY. INSTALLATION OF PIPE BEDDING MATERIAL. 1. THE CONTRACTOR SHALL COMPLY WITH ALL WYWA AND ROANOKE COUNTY AS—BUILT requirements. FIRE PROTECTION NOTES: CONTRACTOR SHALL PROVIDE A KNOX BOX KEY BOX, MODEL 3200 SERIES OR ABOVE, TO BE INSTALLED AT THE MAIN ENTRANCE TO EACH BUILDING. THE CONTRACTOR SHALL VERIFY MOUNTING LOCATION (EYE LEVEL) WITH THE ROANOKE COUNTY FIRE MARSHAL FIRE DEPARTMENT CONNECTION (FDC) SHALL BE LOCATED AS INDICATED ON THESE PLANS. THE CONTRACTOR SHALL VERIFY LOCATION ON THE ARCHITECTURAL PLANS AND CONFIRM ACCEPTABILITY OF THE LOCATION WITH THE FIRE MARSHAL. FDC SHALL BE SINGLE 2.5 INCH SIAMESE CONNECTION WITH 30' ELBOW AND SHALL HAVE A KNOX BOX LOCKING CAP. FIRE DEPARTMENT CONNECTIONS (FDC) AND POST INDICATOR VALVES (PIV) SHALL BE INSTALLED IN ACCORDANCE WITH NATIONAL FIRE PROTECTION STANDARDS.



ARE 2,079 GPM AT 20 PSI RESIDUAL PRESSURE.

FIRE HYDRANT FLOW INFORMATION PROVIDED BY THE WVWA. THE MINIMUM PROPOSED FIRE HYDRANT FLOWS

NEW FIRE HYDRANT No. 1 SHALL BE PAINTED WHITE. THE BONNET (TOP) SHALL BE PAINTED BLUE.

SHEET