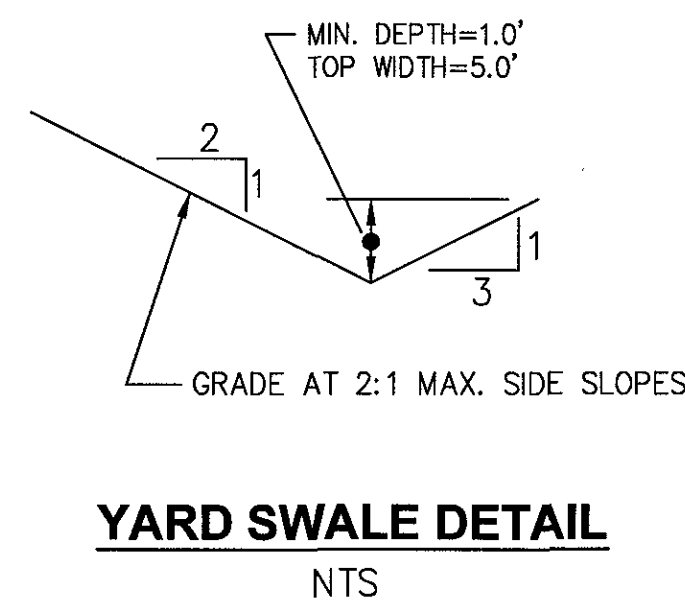
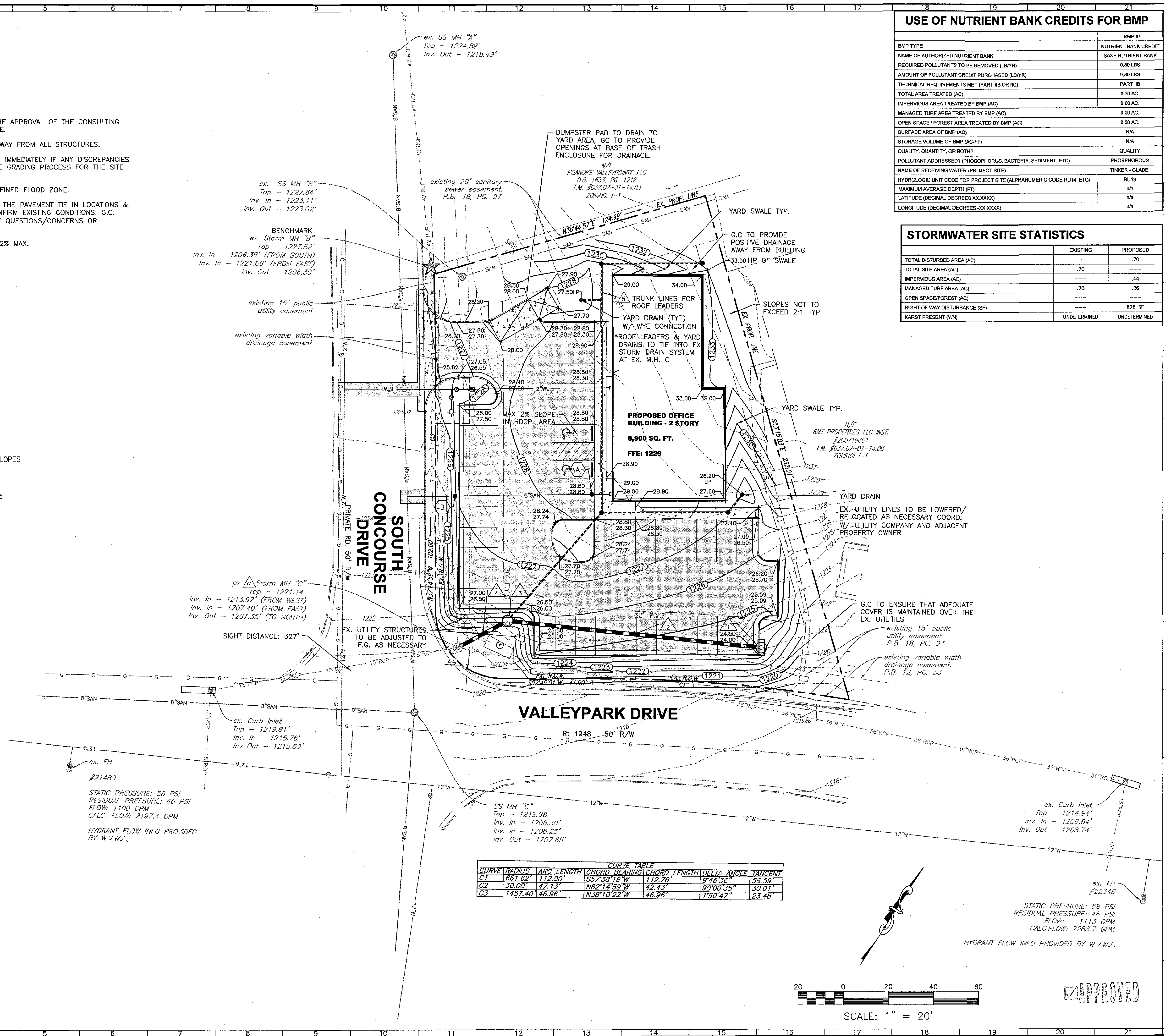


SITE GRADING NOTES:

1. NO CONSTRUCTION/FIELD CHANGES WITHOUT THE APPROVAL OF THE CONSULTING ENGINEER, WWA, VDOT, AND COUNTY OF ROANOKE.
2. CONTRACTOR TO ENSURE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES.
3. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF ANY DISCREPANCIES WITH EXISTING UTILITIES ARE LOCATED DURING THE GRADING PROCESS FOR THE SITE PRIOR TO PROCEEDING WITH ANY FURTHER WORK.
4. PROPERTY IS NOT LOCATED WITHIN A FEMA DEFINED FLOOD ZONE.
5. G.C. SHALL BE RESPONSIBLE FOR CONFIRMING THE PAVEMENT TIE IN LOCATIONS & ELEVATIONS PRIOR TO ANY CONSTRUCTION TO CONFIRM EXISTING CONDITIONS. G.C. SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY QUESTIONS/CONCERNS OR DISCREPANCIES FOUND ON-SITE.
6. SIDEWALK CROSS SLOPE MUST BE 1% MIN & 2% MAX.



YARD SWALE DETAIL
NTS



USE OF NUTRIENT BANK CREDITS FOR BMP

BMP TYPE	NUTRIENT BANK CREDIT
NAME OF AUTHORIZED NUTRIENT BANK	SAKE NUTRIENT BANK
REQUIRED POLLUTANTS TO BE REMOVED (LB/YR)	0.80 LBS
AMOUNT OF POLLUTANT CREDIT PURCHASED (LB/YR)	0.80 LBS
TECHNICAL REQUIREMENTS MET (PART IIB OR IIC)	PART IIB
TOTAL AREA TREATED (AC)	0.70 AC.
IMPERVIOUS AREA TREATED BY BMP (AC)	0.00 AC.
MANAGED TURF AREA TREATED BY BMP (AC)	0.00 AC.
OPEN SPACE / FOREST AREA TREATED BY BMP (AC)	0.00 AC.
SURFACE AREA OF BMP (AC)	N/A
STORAGE VOLUME OF BMP (AC-FT)	N/A
QUALITY, QUANTITY, OR BOTH?	QUALITY
POLLUTANT ADDRESSED? (PHOSPHORUS, BACTERIA, SEDIMENT, ETC)	PHOSPHOROUS
NAME OF RECEIVING WATER (PROJECT SITE)	TINKER - GLADE
HYDROLOGIC UNIT CODE FOR PROJECT SITE (ALPHANUMERIC CODE RU14, ETC)	RU13
MAXIMUM AVERAGE DEPTH (FT)	n/a
LATITUDE (DECIMAL DEGREES XX.XXXX)	n/a
LONGITUDE (DECIMAL DEGREES -XX.XXXX)	n/a

STORMWATER SITE STATISTICS

	EXISTING	PROPOSED
TOTAL DISTURBED AREA (AC)	---	.70
TOTAL SITE AREA (AC)	.70	---
IMPERVIOUS AREA (AC)	---	.44
MANAGED TURF AREA (AC)	.70	.26
OPEN SPACE/FOREST (AC)	---	---
RIGHT OF WAY DISTURBANCE (SF)	---	828 SF
KARST PRESENT (Y/N)	UNDETERMINED	UNDETERMINED

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1208 Corporate Circle
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COMMONWEALTH OF VIRGINIA
Seal of Christopher P. Burns
Lic. No. 047338
11/15/18
PROFESSIONAL ENGINEER

VALLEYPARK OFFICE BUILDING
0 VALLEYPARK DRIVE
GRADING PLAN
CATAMBA DISTRICT
ROANOKE COUNTY, VIRGINIA

DRAWN BY CLL
DESIGNED BY CPB
CHECKED BY CPB
DATE 10/3/2018
SCALE 1"=20'
REVISIONS:
10/29/2018
11/15/2018

SHEET NO.
C4
JOB NO. 04180061.00