

THE INTENT OF THE "PERMANENT EXCAVATED MATERIAL SPOIL AREA" IS TO CREATE AN ATHLETIC FIELD AREA AND SHALL BE CONSTRUCTED AS FOLLOWS:

1. THE "PERMANENT EXCESS EXCAVATED MATERIAL SPOIL AREA" SHALL BE UTILIZED BY THE CONTRACTOR TO PERMANENTLY STORE EXCESS EXCAVATED MATERIAL GENERATED BY THIS PROJECT.
2. THE GROUND SURFACE SHALL BE PREPARED TO RECEIVE FILL, BERM, AND/OR VEGETATION, TOPSOIL, AND OTHER UNSUITABLE MATERIALS, AND SCARIFYING THE GROUND TO PROVIDE A BOND WITH THE FILL MATERIAL.
3. SIDE SLOPES OF THE SPOIL AREA SHALL BE 3:1 MAXIMUM.
4. THE EXCESS EXCAVATED MATERIAL SHALL BE EVENLY DISTRIBUTED OVER THE WHOLE AREA IN ORDER TO MINIMIZE THE DEPTH OF THE FILL MATERIAL.
5. TOP OF THE SPOIL AREA SHALL BE GRADED TO DRAIN AT MAXIMUM SLOPE OF 2.0%.
6. THE OVERALL DRAINAGE PATTERN FILL AREA IS TO REMAIN THE SAME AS THE PRE-DEVELOPMENT DRAINAGE PATTERN.
7. THE ENTIRE SPOIL AREA SHALL BE COVERED WITH A MINIMUM OF 4'-6" OF TOPSOIL.
8. THE SPOIL AREA SHALL BE STABILIZED WITH PERMANENT SEEDING AT THE END OF CONSTRUCTION.

1. NEW CONTOURS AND SPOT ELEVATIONS SHOWN ON THE PLANS REPRESENT FINISHED GRADE ELEVATIONS.
2. CONTRACTOR'S FINISHED GRADE ELEVATIONS SHALL BE WITHIN ONE TENTH OF A FOOT OF PLAN ELEVATIONS.
3. CONTRACTOR SHALL PROVIDE THE OWNER WITH A TOPOGRAPHIC SURVEY OR OTHER DOCUMENTATION CERTIFIED BY A LICENSED LAND SURVEYOR VERIFYING THE FINISHED GRADE ELEVATIONS ARE WITHIN THE SPECIFIED TOLERANCE.
4. GRADE ALL AREAS IN THE VICINITY OF DROP INLETS TO PROVIDE POSITIVE DRAINAGE TOWARD THE INLET.
5. PROVIDE INLET SHAPING AT ALL NEW MANHOLES AND CATCH BASINS IN ACCORDANCE WITH VDOT IS-1.
6. THE CONTRACTOR SHALL SPREAD AND FINE GRADE TOPSOIL, AND APPLY PERMANENT SEEDING IN ACCORDANCE WITH SPECIFICATIONS TO ALL DISTURBED UNPAVED AREAS.
7. ALL CONC PADS, SIDEWALKS, AND WALKING TRAILS SHALL HAVE A MAXIMUM LONGITUDINAL SLOPE OF 5.0%, AND A MAXIMUM CROSS SLOPE OF 2.08%
8. DETENTION FACILITIES SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL PROJECT COMPLETION. LONG TERM MAINTENANCE OF THE DETENTION FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER.
9. CONCRETE STRIP UNDER FENCE SHALL BE INSTALLED AT ELEVATION 214.00, 6 INCHES HIGHER THAN ELEVATION OF GRAVEL FOR PREPARATION OF FULL BUILDOUT.
10. STONE EDGE DRAIN SHALL BE INSTALLED SIMULTANEOUSLY WITH PAVEMENT BASE STONE.
11. STRUCTURE TOPS AND BMP INSPECTION PORTS SHALL BE RAISED TO BE FLUSH WITH PAVEMENT.

STORM DRAIN STRUCTURE SCHEDULE				
STRUCTURE	TYPE	COORDINATE	TOP ELEV	LOWEST INVERT
15	VDOT DI-1	N. 3576153.14 E. 10924555.48	2112.50	2108.33

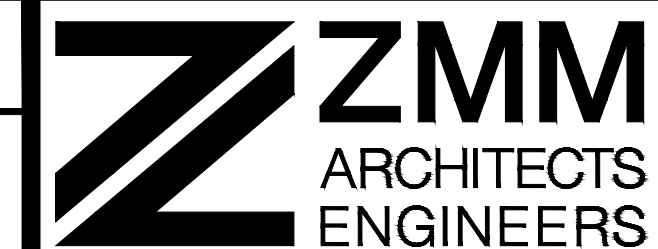


30 15 0 30 60

SCALE: 1" = 30' FEET

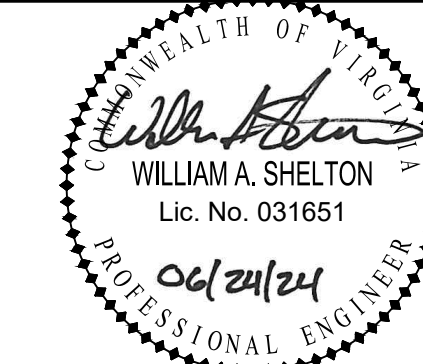
APPROVED: Engineering Date

APPROVED: Planning _____ Date _____



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MCPS - OPERATIONS CENTER
NEW PARKING LOT
MONTGOMERY COUNTY SCHOOL BOARD
CHRISTIANSBURG, VIRGINIA

CONSTRUCTION DOCUMENTS

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GRADING AND STORM DRAIN PLAN PHASE I

DRAWN WAS JRF	CHECKED WAS
	DATE JUNE 21, 2024
	COMM. NO. 2020-094

C301.2

