



- GRADING NOTES:**
- UNLESS NOTED OTHERWISE, THE PROPOSED GRADES SHOWN ON THESE DRAWINGS ARE FINISHED GRADE, EXISTING AND PROPOSED CONTOURS ARE SHOWN AT 1'-FT. INTERVALS.
 - THE ACCURACY OF THE GRADES IS DEPENDANT ON THE DATA PROVIDED BY THE OWNER OR OWNER'S REPRESENTATIVE. FIELD VERIFY AS NECESSARY PRIOR TO CONSTRUCTION.
 - THE SITE SHALL BE CLEARED AND GRUBBED WITHIN THE LIMITS OF EXCAVATION. COMPLETELY REMOVE ALL MATERIALS RESULTING FROM CLEARING AND GRUBBING OFF-SITE. BURNING SHALL NOT BE PERMITTED UNLESS PRIOR APPROVAL IS OBTAINED BY THE LOCAL FIRE DEPARTMENT. THE CONTRACTOR MUST OBTAIN A PERMIT AND MEET ALL OF THE REQUIREMENTS AS SPECIFIED BY THE FIRE DEPARTMENT.
 - ALL TREES, STUMPS, BOULDERS, AND OTHER OBSTRUCTIONS SHALL BE REMOVED TO A DEPTH OF 2 FT BELOW THE SUBGRADE. ROCK SHALL BE SCARIFIED TO DEPTH OF 1 FT BELOW SUBGRADE.
 - STRIP TOPSOIL FULL DEPTH (6-IN. MIN.) AND TEMPORARILY STOCKPILE EXCAVATED MATERIALS. INSTALL SILT FENCE OR OTHER APPROPRIATE EROSION CONTROL STRUCTURES ON THE DOWN HILL SIDE OF THE STOCKPILE.
 - PROOF ROLL ALL AREAS TO RECEIVE FULL PROOF ROLL WITH A FULLY LOADED TANDEM AXLE DUMP TRUCK USING A CROSS-CROSS PATTERN (4 PASSES MIN.) AREAS FAILING THE PROOF ROLLING SHALL BE UNDERCUT AND BACKFILLED USING AN ENGINEERED FILL OR STABILIZED BY A METHOD APPROVED BY THE PROJECT GEOTECHNICAL ENGINEER.
 - AREAS THAT EXHIBIT WEAK SOIL OR OTHERWISE UNSUITABLE CONDITIONS SHALL BE UNDERCUT TO A FIRM LEVEL OF SOIL FOLLOWED BY BACKFILLING THE UNDERCUT AREAS USING AN ENGINEERED FILL, TDOT NO. 57, OR TDOT NO. 67 STONE.
 - FILL MATERIAL SHALL BE SATISFACTORY MATERIAL FREE FROM ROOTS AND OTHER ORGANIC MATERIAL, FROZEN MATERIAL, AND TRASH. FILL MATERIAL SHALL ALSO BE FREE OF STONE OR OTHER MATERIAL LARGER THAN 4 IN. IN THE TOP 6 IN. OF AN EMBANKMENT.
 - FILL SOILS SHALL HAVE A PI LESS THAN 30 & A MAXIMUM DRY DENSITY OF 90 PCF OR GREATER.
 - UNSATISFACTORY SOILS INCLUDE MATERIALS THAT ARE TOO WET OR TOO SOFT, EXPANSIVE SOILS AND SOILS CLASSIFIED PI, OH, AND OL. LEGALLY DISPOSE OF UNSATISFACTORY SOILS OFF-SITE UNLESS OTHERWISE APPROVED BY THE OWNER OR GEOTECHNICAL ENGINEER.
 - FILL MATERIAL SHALL BE PLACED IN LOOSE, HORIZONTAL LIFTS NOT EXCEEDING 8 IN. THICKNESS. COMPACT EACH LAYER TO AT LEAST 98% MAXIMUM DRY DENSITY. COMPACT THE UPPER 24 IN. OF FILL BENEATH PAVEMENTS AND THE UPPER 12 IN. BENEATH BUILDING SLABS TO 100% MAXIMUM DRY DENSITY. MAINTAIN THE MOISTURE CONTENT TO WITHIN +1 TO +3 PERCENT OF THE OPTIMUM MOISTURE CONTENT.
 - A 6 IN. (MIN.) LAYER OF TOPSOIL SHALL BE PLACED OVER THE AREAS TO BE SEEDED AND TO THE FINISH GRADE ELEVATIONS AS SHOWN ON THE DRAWINGS.
 - DO NOT ALLOW WATER TO ACCUMULATE IN EXCAVATIONS OR POND ON-SITE. PROVIDE NECESSARY MEASURES TO KEEP THE SITE FREE-DRAINING.
 - NO SLOPE SHALL EXCEED 2:1 UNLESS PROPER SLOPE STABILIZATION MEASURES ARE IMPLEMENTED.
 - PROTECT AND MAINTAIN SUBGRADES UNTIL PLACEMENT OF THE FINAL SURFACE IS ACHIEVED.
 - VERIFY GRADES WHEREVER NECESSARY TO BRING THE PROPOSED LINES, ELEVATIONS, SLOPES, AND CROSS-SECTIONS OF THE GRADING WORK TO WITHIN THE FOLLOWING TOLERANCES ABOVE OR BELOW THAT AS SHOWN ON THE PLANS: SUBGRADE 0.1', UNPAVED AREAS 0.1', SIDEWALKS 0.10', PAVEMENTS 0.04', AND BUILDINGS 0.04'.
 - SLOPES GREATER THAN 4:1 SLOPE AT A HEIGHT GREATER THAN 6-FT SHALL BE TESTED BY THE PROJECT GEOTECHNICAL ENGINEER TO DETERMINE STABILITY.
 - DISTURBED AREAS SHALL BE STABILIZED IN AN EXPEDITIOUS MANNER TO MINIMIZE TIME OF EXPOSURE TO WEATHER.

- EROSION CONTROL NOTES:**
- REFERENCE SHEET CS FOR EROSION CONTROL NOTES.

- PHASE 3 SEQUENCING NOTES:**
- PHASE 3 BEGINS AFTER THE PAVEMENT (BINDER COURSE, MIN.) IS INSTALLED.
 - THROUGHOUT STAGE 3, ADJUST, MAINTAIN, AND REPLACE WAITLES, INLET PROTECTION, AND OTHER BMP'S AS NEEDED TO MEET TDEC'S PERFORMANCE REQUIREMENTS.
 - INSTALL ADDITIONAL EROSION PROTECTION AND SEDIMENT CONTROL DEVICES TO PREVENT EROSION AT THE PAVEMENT AND SOIL INTERFACE TO PREVENT SEDIMENT RUNOFF ONTO THE NEW PAVEMENT.
 - AS SOON AS PRACTICAL, RE-SPREAD TOPSOIL AND APPLY SEEDING AND MATING OR MULCH TO DISTURBED AREAS.
 - REMOVE AND DISPOSE OF REMAINING EROSION AND SEDIMENT CONTROL DEVICES ONCE THE SITE IS FULLY STABILIZED.
 - THE CONTRACTOR SHALL SUBMIT A NOTICE OF TERMINATION (NOT) AFTER THE COMPLETE INSTALLATION AND SUCCESSFUL ESTABLISHMENT OF THE FINAL STABILIZATION ACTIVITIES HAVE OCCURRED AT THE SITE.

- LEGEND:**
- 850 PROPOSED CONTOUR
 - 860 EXISTING CONTOUR
 - TW 862.00, BW 859.00 TOP OF WALL GRADE ELEVATION, BOTTOM OF WALL GRADE ELEVATION
 - 862.00 PROPOSED SPOT ELEVATION
 - TEMPORARY INLET PROTECTION
 - PROPERTY LINE
 - SETBACK
 - TYP. TYPICAL

APPROVED
 Adam Kolotopp
 07/24/19
 CITY OF KNOXVILLE
 DEPARTMENT OF ENGINEERING
 (0870)99/KNOXVILLE DETAIL REF. (DETAIL NO./SHT NO.)

**FULGHUM
FM
MACINDOE
ASSOCIATES, INC.**

10330 HARDIN VALLEY ROAD
 SUITE 201
 KNOXVILLE, TN 37932
 OFFICE: 865.690.6419
 FAX: 865.690.6448
 www.fulghummacindoe.com

CITY SOUTH APARTMENTS
 2019 DAVENPORT ROAD
 KNOXVILLE, TENNESSEE 37920

DOMINION DEVELOPMENT GROUP
 PO BOX 52067
 KNOXVILLE, TN 37950
 CONTACT: PETER HALL
 TELEPHONE NO.: 865.207.1480
 EMAIL: peterh@dominiondg.com

**GRADING AND EPSC - PHASE 3
PLAN**

PROJ. NO.	DESIGNED BY	DATE	NO.	REVISION/ISSUE
431.008	AMC	06/21/19	1	REVISED PER CITY OF KNOXVILLE COMMENTS
	AMC	06/04/19	2	REVISED PER CITY OF KNOXVILLE COMMENTS
	AMC	07/08/19	3	ISSUED FOR CONSTRUCTION

Project Sheet
 Date 03/08/19
 Scale 1" = 20'

File Name: J:\171_03\08\DWG\431026014.dwg
 Plot Date: 07/24/19