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Ph: (919) 719-1800 Bolton-Menk.com

December 4, 2024 **TO ALL PROSPECTIVE BIDDERS**

Mill Bridge Amphitheater

- Bid Date: December 10th, 2024 Time 10:00 AM
- Bid Submittal: Town of Rolesville Town Hall 502 Southtown Circle Rolesville, NC 27571

ADDENDUM #5:

This Addendum, issued prior to receipt of bids, shall and does hereby become part of the Contract Documents for the referenced Project. All Prime Contractors shall be responsible for ensuring that their Subcontractors are properly apprised of the contents of this Addendum. All information contained in this Addendum shall take precedence over any conflicting information in the original Drawings and Specifications, dated September 3, 2024.

PLAN & SPECIFICATION REVISIONS:

- 1. Sheet C5.02
 - a. Note 3 on Detail 1, Sheet C5.02 has been updated from "See 2/C4.01 for Handrail Detail" to "See Detail 2/C5.02 for Handrail Detail."

ATTACHMENTS:

1. Sheet C5.02

Best regards, BOLTON & MENK, INC.,

Jacqueline Thompson, PE Project Engineer Jacqueline.Thompson@bolton-menk.com

PLANTING SPECIFICATIONS TOPSOL: ASTM D 5268, PH RANGE OF 5.5 TO 7. A MINIMUM OF 4 PERCENT ORGANIC MATERIAL CONTENT; FRE OF STONES 1 INCH OR LARGER IN ANY DIMENSION AND OTHER EXTRANEOUS MATERIALS HARMFUL TO PLANT GROWTH. 1. MATERIAL CONTENT: MINIMUM 20 PERCENT / MAXIMUM 50 PERCENT 5. SAND CONTENT: MINIMUM 20 PERCENT / MAXIMUM 50 PERCENT 6. SAND CONTENT: MINIMUM 20 PERCENT / MAXIMUM 50 PERCENT 7. CLAY CONTENT: MINIMUM 20 PERCENT / MAXIMUM 50 PERCENT 7. CLAY CONTENT: MINIMUM 20 PERCENT / MAXIMUM 50 PERCENT 7. CLAY CONTENT: MINIMUM 20 PERCENT / MAXIMUM 50 PERCENT 7. CLAY CONTENT: MINIMUM 20 PERCENT / MAXIMUM 50 PERCENT 7. CLAY CONTENT: MINIMUM 20 PERCENT / MAXIMUM 50 PERCENT 7. CLAY CONTENT: MINIMUM 20 PERCENT / MAXIMUM 50 PERCENT 7. CLAY CONTENT: MINIMUM 20 PERCENT / MAXIMUM 50 PERCENT 7. CLAY CONTENT: MINIMUM 20 PERCENT / MAXIMUM 50 PERCENT 7. CLAY CONTENT: MINIMUM 20 PERCENT / MAXIMUM 50 PERCENT 7. CLAY CONTENT: MINIMUM 20 PERCENT / MAXIMUM 50 PERCENT 7. CLAY CONTENT: MINIMUM 20 PERCENT / MAXIMUM 50 PERCENT 7. CLAY CONTENT: MINIMUM 20 PERCENT / MAXIMUM 50 PERCENT 7. CLAY CONTENT: MINIMUM 20 PERCENT / MAXIMUM 50 PERCENT 7. CLAY CONTENT: MINIMUM 20 PERCENT / MAXIMUM 50 PERCENT 7. CLAY CONTENT: MINIMUM 20 PERCENT / MAXIMUM 50 PERCENT 7. CLAY CONTENT: MINIMUM 20 PERCENT / MAXIMUM 50 PERCENT 7. CLAY CONTENT: MINIMUM 20 PERCENT / MAXIMUM 50 PERCENT 7. CLAY CONTENT: MINIMUM 20 PERCENT / MAXIMUM 50 PERCENT 7. CLAY CONTENT: MINIMUM 20 PERCENT / MAXIMUM 50 PERCENT 7. DESOL SUBALL HAVE NORMAL CONTENTS OF NITROGEN, PHOSPHORUS, POTASIUM, CALCIUM, 7. MAGESIUM, SULFUR, AND PROPER MICRONUTRIENT LEVELS. NUTRIENT LEVELS MUST SATISFY 7. GROWING NEEDS (AS RECOMMENDED BY LAB REPORT REQUIRED IN ARTICLE 1.4.C) OF THE EXISTING 7. PLANNED PLANT MATERIAL. TOPSOIL SOURCEI 1. IMPORT TOPSOL OR MANUFACTURED TOPSOL FROM OFF-SITE SOURCES. OBTAIN TOPSOL	4" ADJACENT SIDEWALK 4" ADJACENT SIDEWALK 4" ADJACENT SIDEWALK 4" ADJACENT SIDEWALK 4" PERFOR UNDERDRAIN 5" POLYETHYLENE FOAM KERANSION JOINT WITH SILICONE JOINT SELEANT, TYP. HITER FABRIC, TYP. #57 WASHED STONE BACKFILL, TYP.
 IMPORT TOPSOLE OR MANOFACTORED TOPSOLE FROM OPPOTTE SOURCES. OBTAIN TOPSOLE DISPLACED FROM NATURALLY WELL-DRAINED CONSTRUCTION OR MINING SITES WHERE TOPSOIL OCCURS AT LEAST 4 INCHES DEEP; DO NOT OBTAIN FROM AGRICULTURAL LAND, BOGS OR MARSHES. TOPSOIL SOURCE: AMEND EXISTING IN-PLACE SURFACE SOIL TO PRODUCE TOPSOIL. VERIFY SUITABILITY OF SURFACE SOIL TO PRODUCE TOPSOIL. CLEAN SURFACE SOIL OF ROOTS, PLANTS, SOD, STONES, CLAY LUMPS, AND OTHER EXTRANEOUS MATERIALS HARMFUL TO PLANT GROWTH. SURFACE SOIL MAY BE SUPPLEMENTED WITH IMPORTED OR MANUFACTURED TOPSOIL FROM OFF-SITE SOURCES. 	
 LAWN PREPARATION 1.1 SUB GRADE PREP A. NEWLY GRADED SUBGRADES: LOOSEN SUBGRADE TO A MINIMUM DEPTH OF 4 INCHES. REMOVE STONES LARGER THAN 1 INCH IN ANY DIMENSION AND STICKS, ROOTS, RUBBISH, AND OTHER EXTRANEOUS MATTER AND LEGALLY DISPOSE OF THEM OFF OWNER'S PROPERTY. SPREAD PLANTING SOIL MIX TO A DEPTH OF 4 INCHES BUT NOT LESS THAN REQUIRED TO MEET FINISH GRADES AFTER LIGHT ROLLING AND NATURAL SETTLEMENT. DO NOT SPREAD IF PLANTING SOIL OR SUBGRADE IS FROZEN, MUDDY, OR EXCESSIVELY WET. REDUCE ELEVATION OF PLANTING SOIL TO ALLOW FOR SOIL THICKNESS OF SOD. B. UNCHANGED SUBGRADES: IF LAWNS ARE TO BE PLANTED IN AREAS UNALTERED OR UNDISTURBED BY EXCAVATING, GRADING, OR SURFACE-SOIL STRIPPING OPERATIONS, PREPARE SURFACE SOIL AS FOLLOWS: REMOVE EXISTING GRASS, VEGETATION, AND TURF. DO NOT MIX INTO SURFACE SOIL. LOOSEN SURFACE SOIL TO A DEPTH OF AT LEAST 6". APPLY SOIL AMENDMENTS AND FERTILIZERS ACCORDING TO PLANTING SOIL MIX PROPORTIONS AND MIX THOROUGHLY INTO TOP 4" OF SOIL. TILL SOIL TO A HOMOGENEOUS MIXTURE OF FINE TEXTURE. 	2" SQ. ALUMINUM POST, — LOCATE 8'-0" OC, TYP.
 C. FINISH GRADING GRADE PLANTING AREAS TO A SMOOTH, UNIFORM SURFACE PLANE WITH LOOSE, UNIFORMLY FINE TEXTURE. GRADE TO WITHIN PLUS OR MINUS¹/₂" OF FINISH ELEVATION. ROLL AND RAKE, REMOVE RIDGES, AND FILL DEPRESSIONS TO MEET FINISH GRADES. LIMIT FINISH GRADING TO AREAS THAT CAN BE PLANTED IN THE IMMEDIATE FUTURE. D. MOISTEN PREPARED LAWN AREAS BEFORE PLANTING IF SOIL IS DRY. WATER THOROUGHLY AND ALLOW 	1. GUARDRAIL TO BE SHOP FABRICATED 2" SQ. PIPE RAIL. EDGE OF SIDEWALK,
 SURFACE TO DRY BEFORE PLANTING. DO NOT CREATE MUDDY SOIL. E. BEFORE PLANTING, RESTORE AREAS IF ERODED OR OTHERWISE DISTURBED AFTER FINISH GRADING. 1.2 SEEDING A. DO NOT BROADCAST OR DROP SEED WHEN WIND VELOCITY EXCEEDS 5 MPH. EVENLY DISTRIBUTE SEED BY SOWING EQUAL QUANTITIES IN TWO DIRECTIONS AT RIGHT ANGLES TO EACH OTHER. 	 CONTRACTOR TO VERIFY RAIL DIMENSIONS AND SUBMIT SHOP DRAWINGS TO LANDSCAPE ARCHITECT. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR APPROVAL 30 DAYS MIN. PRIOR TO
 B. SOW SEED AT A TOTAL RATE OF 5 TO 8 LB/1000 SQ. FT. C. RAKE SEED LIGHTLY INTO TOP 1/8 INCH OF SOIL, ROLL LIGHTLY, AND WATER WITH FINE SPRAY. D. PROTECT SEEDED AREAS WITH SLOPES NOT EXCEEDING 1:6 BY SPREADING STRAW MULCH. SPREAD UNIFORMLY AT A MINIMUM RATE OF 2 TONS/ACRE TO FORM A CONTINUOUS BLANKET 1½" IN LOOSE DEPTH OVER SEEDED AREAS. ANCHOR STRAW MULCH BY CRIMPING INTO SOIL WITH SUITABLE 	 FABRICATION. DRAWINGS SHALL BE SEALED BY THE NC-LICENSED ENGINEER RESPONSIBLE FOR THEIR PREPARATION. 5. ALL WELDS SHALL BE GROUND SMOOTH. 6. PER NCBC 1013: 6.1. 2" MAX. OPENING AT BOTTOM RAIL,
MECHANICAL EQUIPMENT. 1.3 SODDING A. LAY SOD WITHIN 24 HOURS OF HARVESTING. DO NOT LAY SOD IF DORMANT OR IF GROUND IS FROZEN	GUARDRAIL IN SIDEWALK
 OR MUDDY. B. LAY SOD TO FORM A SOLID MASS WITH TIGHTLY FITTED JOINTS. BUTT ENDS AND SIDES OF SOD; DO NOT STRETCH OR OVERLAP. STAGGER SOD STRIPS OR PADS TO OFFSET JOINTS IN ADJACENT COURSES. AVOID DAMAGE TO SUBGRADE OR SOD DURING INSTALLATION. TAMP AND ROLL LIGHTLY TO ENSURE CONTACT WITH SUBGRADE, ELIMINATE AIR POCKETS, AND FORM A SMOOTH SURFACE. WORK SIFTED SOIL OR FINE SAND INTO MINOR CRACKS BETWEEN PIECES OF SOD; REMOVE EXCESS TO AVOID SMOTHERING SOD AND ADJACENT GRASS. LAY SOD ACROSS ANGLE OF SLOPES EXCEEDING 1:3. ANCHOR SOD ON SLOPES EXCEEDING 1:3 WITH OR STEEL STAPLES SPACED AS RECOMMENDED BY SOD MANUFACTURER BUT NOT LESS THAN 2 ANCHORS PER SOD STRIP TO PREVENT SLIPPAGE. C. SATURATE SOD WITH FINE WATER SPRAY WITHIN TWO HOURS OF PLANTING. DURING FIRST WEEK AFTER PLANTING, WATER DAILY OR MORE FREQUENTLY AS NECESSARY TO MAINTAIN MOIST SOIL TO A MUMMUM DEDDUCT A CONSTRUCTION. 	
 MINIMUM DEPTH OF 1-1/2 INCHES BELOW SOD. 1.4 LAWN MAINTENANCE A. MAINTAIN AND ESTABLISH LAWN BY WATERING, FERTILIZING, WEEDING, MOWING, TRIMMING, REPLANTING, AND OTHER OPERATIONS UNTIL ACCEPTABLE LAWN IS ESTABLISHED OR UNTIL FINAL BUILDING ACCEPTANCE BY OWNER, WHICHEVER IS LATER. ROLL, REGRADE, AND REPLANT BARE OR ERODED AREAS AND REMULCH TO PRODUCE A UNIFORMLY SMOOTH LAWN. PROVIDE MATERIALS AND INSTALLATION THE SAME AS THOSE USED IN THE ORIGINAL INSTALLATION. B. MOW LAWN AS SOON AS TOP GROWTH IS TALL ENOUGH TO CUT. REPEAT MOWING TO MAINTAIN SPECIFIED HEIGHT WITHOUT CUTTING MORE THAN 1/3 OF GRASS HEIGHT. REMOVE NO MORE THAN 1/3 	NOTES: 1. ALL CONCRETE TO BE 3000 PSI 2. ALL EXPOSED CONCRETE FACES TO RECEIVE A FINE BROOM FINISH. 3. REFER TO DETAIL 3/C4.01 FOR TYPICAL JOINT CONSTRUCTION. 4. A 5! MUN LANDING SHALL BE DROV/(DED AT THE TOD AND DECEMBER)
 SPECIFIED HEIGHT WITHOUT CUTTING MORE THAN 1/3 OF GRASS HEIGHT. REMOVE NO MORE THAN 1/3 OF GRASS-LEAF GROWTH IN INITIAL OR SUBSEQUENT MOWINGS. 1.5 SATISFACTORY LAWNS A. SATISFACTORY SEEDED LAWN: AT END OF MAINTENANCE PERIOD, A HEALTHY, UNIFORM, CLOSE STAND OF GRASS HAS BEEN ESTABLISHED, FREE OF WEEDS AND SURFACE IRREGULARITIES, WITH COVERAGE EXCEEDING 90 PERCENT OVER ANY 10 SQ. FT. AND BARE SPOTS NOT EXCEEDING 5 BY 5 INCHES, WITH AT LEAST 85% OF THE TOTAL GRASS COVERAGE CONSISTING OF THE SPECIFIED GRASS SPECIES. B. SATISFACTORY SODDED LAWN: AT END OF MAINTENANCE PERIOD, A HEALTHY, WELL-ROOTED, EVEN-COLORED, VIABLE LAWN HAS BEEN ESTABLISHED, FREE OF WEEDS, OPEN JOINTS, BARE AREAS, AND 	 A 5' MIN. LANDING SHALL BE PROVIDED AT THE TOP AND BOTTOM OF STEPS. LANDINGS SHALL HAVE 2% MAX. SLOPE IN ANY DIRECTION. SEE SITE PLAN FOR NUMBER OF RISERS/TREADS. SEE GRADING PLAN FOR TOP AND BOTTOM OF STAIR ELEVATIONS.
SURFACE IRREGULARITIES. C. USE SPECIFIED MATERIALS TO REESTABLISH LAWNS THAT DO NOT COMPLY WITH REQUIREMENTS AND	KEYNOTE DESCRIPTION
1.00 PLANT SUBMITTALS	$\begin{array}{ c c c c c }\hline & & & & & & & \\ \hline & & & & & & \\ \hline & & & &$
 A. SOIL ANALYSIS: FURNISH SOIL ANALYSIS BY A QUALIFIED SOIL-TESTING LABORATORY. 1. REPORT SUITABILITY OF TOPSOIL FOR PLANT GROWTH. STATE-RECOMMENDED QUANTITIES OF NITROGEN, PHOSPHORUS, AND POTASH NUTRIENTS AND SOIL AMENDMENTS TO BE ADDED TO PRODUCE SATISFACTORY TOPSOIL. 	BLACK. ¹ / ₂ " EXPANSION JOINT WHERE STEPS ARE ADJACENT TO A RIGID OBJECT. EXPANSION JOINTS SHALL BE PRE-MOLDED BITUMINOUS IMPREGNATED FIBER BOARD WITH BACKER ROD AND SEALANT AT THE SURFACE. A 6"

PLANTING SPECIFICATIONS

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POURED IN PLACE CONCRETE STEPS

