

SAVED 6/24/2024 9:04:39 AM BY KYLE WARD  
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 U:\WICHITA-CIVIL\2024\1210254\002\MUNINDRAWINGS\1210254-002-LP501-PLANTING NOTES.DWG

**PLANTING NOTES**

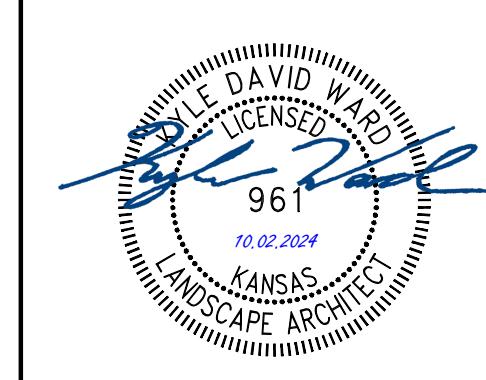
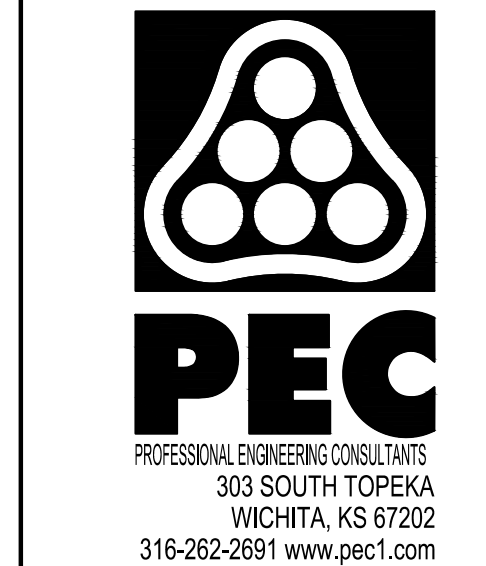
1. PRIOR TO BEGINNING ANY WORK ON THE SITE, THE CONTRACTOR SHALL CONTACT THE OFFICE OF THE LANDSCAPE ARCHITECT FOR SPECIFIC INSTRUCTIONS RELEVANT TO THE SEQUENCING OF WORK. REPORT ANY ISSUES IN SITE CONDITIONS AND CONSTRUCTION THAT MAY AFFECT THE PLANTING LAYOUT TO THE PROJECT ARCHITECT PRIOR TO STARTING CONSTRUCTION.
2. LANDSCAPE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, AND SERVICE NECESSARY TO FURNISH AND INSTALL PLANTINGS AS SPECIFIED HEREIN AND AS SHOWN ON THESE PLANS.
3. NO MATERIAL SUBSTITUTIONS SHALL BE MADE WITHOUT LANDSCAPE ARCHITECT'S APPROVAL. ALTERNATIVE MATERIALS OF SIMILAR SIZE AND CHARACTER MAY BE CONSIDERED IF SPECIFIED PLANT MATERIALS CANNOT BE OBTAINED. LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REVISE PLANT LIST AS DEEMED NECESSARY.
4. LANDSCAPE CONTRACTOR IS TO STAKE ALL PLANT MATERIAL (TREE AND SHRUB) LOCATIONS AS WELL AS PLANTER BED, EDGER LOCATIONS PRIOR TO INSTALLATION. CONTRACTOR IS TO CONTACT OWNER'S REPRESENTATIVE FOR PRE-INSTALLATION CONFERENCE AND FINAL APPROVAL OF STAKING. ADJUST PLANT LOCATIONS ONLY AS NECESSARY TO AVOID SITE CONFLICTS.
5. UTILITIES HAVE BEEN SHOWN ON THE PLAN FOR ROUGH LOCATION OF SERVICES. CONTRACTOR SHALL LOCATE ALL UTILITIES BEFORE WORK. LOCATE EXACT UTILITY LOCATIONS BY CONTACTING UTILITY LOCATOR SERVICES. CONTRACTOR WILL BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE HE MAY CAUSE TO UTILITIES.
6. GENERAL CONTRACTOR SHALL PROVIDE 4" OF TOPSOIL AT ALL SOD AND PLANTING AREAS. GRADE SHALL BE ADJUSTED FOR SOD THICKNESS. ANY BERMS SHOWN ON PLANS ARE REFLECTED ON GRADING PLAN. FINISH GRADING SHALL BE PERFORMED BY LANDSCAPE CONTRACTOR.
7. WHEN CLAY SOIL IS ENCOUNTERED IN THE ESTABLISHMENT OF THE LAWN OR THE INSTALLATION OF THE PLANT MATERIAL IT SHALL BE IMPROVED IN ACCORDANCE WITH STANDARD TRADE PRACTICE.
8. BACKFILL FOR PLANT EXCAVATIONS TO BE CLEAN NATURAL SOIL, EXCAVATED FROM PLANTING PITS MIXED WITH COMPOST AND WELL-ROTTED MANURE AT A RATIO OF THREE (3) PARTS SOIL TO ONE (1) PART COMPOST AND WELL-ROTTED MANURE.
9. CULTIVATE GROUND COVER PLANTING BEDS TO A DEPTH OF 6" TILL COMPOST AND WELL-ROTTED MANURE INTO THE PLANTING BED AT THE APPROXIMATE RATIO OF ONE (1) PART COMPOST/ MANURE TO THREE (3) PARTS SOIL.
10. ALL PLANT MATERIALS SHALL BE PROTECTED FROM THE DRYING ACTION OF THE SUN AND WIND AFTER BEING DUG, WHILE BEING TRANSPORTED, AND WHILE AWAITING PLANTING. BALLS OF PLANTS WHICH CANNOT BE PLANTED IMMEDIATELY SHALL BE PROTECTED FROM DRYING ACTION BY COVERING THEM WITH MOIST MULCH. PERIODICALLY, APPLY WATER TO MULCH-COVERED BALLS TO KEEP MOIST. IF PLANTING SHOULD OCCUR DURING GROWING SEASON, APPLY ANTI-DESICCANT TO LEAVES BEFORE TRANSPORT TO REDUCE LIKELIHOOD OF WINDBURN. REAPPLY ANTI-DESICCANT AFTER PLANTING TO REDUCE TRANSPIRATION.
11. AFTER PLANTING IS COMPLETED, REPAIR INJURIES TO ALL PLANTS AS REQUIRED. LIMIT AMOUNT OF PRUNING TO A MINIMUM NECESSARY TO REMOVE DEAD OR INJURED TWIGS AND BRANCHES. PRUNE IN SUCH A MANNER AS NOT TO CHANGE NATURAL HABIT OR SHAPE OF PLANT. MAKE CUTS FLUSH, LEAVING NO STUBS. CUTS OF ONE INCH (1") OR MORE TO BE PAINTED WITH TREE PAINT. CENTRAL LEADERS SHALL NOT BE REMOVED.
12. TREE TRUNKS SHALL BE STRAIGHT.
13. PLANT GROUNDCOVER/ PERENNIALS WITHIN ONE FOOT (1') OF TRUNK OF TREES OR SHRUBS PLANTED WITHIN AREA. PLANTING ARRANGEMENTS SHALL BE TRIANGULAR, WITH PROPER ON-CENTER SPACING BETWEEN PLANTS.
14. STEEL EDGING MATERIAL SHALL BE USED TO SEPARATE ALL TURF AREAS FROM PLANTING BEDS. PLACE EDGING FLUSH WITH GRADE. SECURE EDGE MATERIAL IN SOIL WITH MINIMUM TWO STAKES PER SECTION.
15. PLANTING BEDS ARE TO BE FREE OF WEEDS AND GRASS. TREAT PLANTING BEDS WITH A PRE-EMERGENT HERBICIDE PRIOR TO PLANTING. APPLY IN ACCORDANCE WITH STANDARD TRADE PRACTICE. DO NOT APPLY HERBICIDE IN PERENNIAL BEDS.
16. THE CONTRACTOR SHALL PROVIDE ALL WATER, WATERING DEVICES AND LABOR NEEDED TO IRRIGATE PLANT MATERIALS UNTIL ACCEPTANCE OF PLANT MATERIALS AS DESCRIBED WITHIN SPECIFICATIONS. THE CONTRACTOR SHALL SUPPLY ENOUGH WATER TO MAINTAIN THE PLANT'S HEALTHY CONDITION.
17. USE HARDWOOD CHIP MULCH IN ALL PLANTING BEDS. LANDSCAPE CONTRACTOR SHALL SUBMIT A SAMPLE OF MULCH FOR APPROVAL PRIOR TO STARTING CONSTRUCTION. SIZE OF MATERIAL TO RANGE FROM 1" TO 3" ONLY. PLACE 3" TO 4" OF MULCH IN ALL SHRUB BEDS. PLACE 1" OF MULCH IN GROUNDCOVER BEDS. PLACE 4" OF MULCH IN ALL TREE SAUCERS.
18. REMOVE ALL RUBBISH, EQUIPMENT AND MATERIAL AND LEAVE THE AREA IN A NEAT, CLEAN CONDITION EACH DAY. MAINTAIN PAVED AREAS UTILIZED FOR HAULING EQUIPMENT AND MATERIALS BY OTHER TRADES IN A CLEAN AND UNOBSTRUCTED CONDITION AT ALL TIMES. REMOVE SOIL OR DIRT THAT ACCUMULATED DURING OR AS A RESULT OF PLANTING OPERATIONS EACH DAY.

19. ALL PLANTS SHALL BE INSPECTED BY THE OWNER AND LANDSCAPE ARCHITECT AT SUBSTANTIAL COMPLETION. CONTRACTOR SHALL REPLACE IMMEDIATELY ANY PLANTS NOT IN HEALTHY AND VIGOROUS CONDITION AT THAT TIME AT NO EXPENSE TO THE OWNER.
20. ANY VEGETATED AREAS DISTURBED BY THE CONSTRUCTION PROCESS MUST BE RESTORED BY REPAIRING THE SOIL BED AND RE-ESTABLISHING ORIGINAL PLANTINGS.
21. LANDSCAPE CONTRACTOR IS REQUIRED TO REMOVE THE TREE STAKES AND ALL DEAD WOOD ON TREES ONE YEAR AFTER PROVISIONAL/ FINAL ACCEPTANCE.
22. ALL TREES SHALL BE CALIPERED, AND UNDERSIZED TREES SHALL BE REJECTED.
23. ANY DEVIATION TO THE APPROVED FINAL LANDSCAPE PLAN SHALL REQUIRE THE WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
24. IF SHOWN, CONTRACTOR SHALL VERIFY THE AMOUNT OF PLANT MATERIALS SHOWN ON THE PLANS MATCHES THE QUANTITY SHOWN ON THE PLANT SCHEDULE. QUANTITIES LISTED ON PLANS SUPERSERVE THOSE ON PLANT MATERIALS LIST. REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT IMMEDIATELY.
25. FERTILIZE ALL PLANT MATERIALS AND TURF WITH MILORGANITE FERTILIZER AT MANUFACTURERS RECOMMENDED RATE.
26. REFER TO IRRIGATION CONCEPT PLAN FOR AREAS AND METHODS FOR IRRIGATION.
27. APPLY MYKE (OR EQUAL) MYCORRHIZAL FUNGI TO PLANT MATERIAL PER THE MANUFACTURERS INSTRUCTIONS.
28. PROTECT AND SAVE THE EXISTING PLANT MATERIALS SHOWN ON THE PLANS UNLESS NOTED OTHERWISE.
29. ALL PLANT MATERIALS SHALL HAVE BACKFILL CAREFULLY PLACED AROUND BASE AND SIDES OF BALL TO TWO-THIRDS (2/3) DEPTH OF BALL, THEN THOROUGHLY SOAKED WITH WATER TO ALLOW SETTLEMENT. ALL WIRE, BURLAP FASTENERS AND LOOSE BURLAP AROUND BASE OF TREE SHALL BE REMOVED AT THIS TIME. REMAINDER OF PIT SHALL THEN BE BACKFILLED, ALLOWING FOR DEPTH OF MULCH, SAUCER AND SETTLEMENT OF BACKFILL. BACKFILL SHALL THEN BE THOROUGHLY WATERED ONCE AGAIN.
30. PLANTING BEDS ARE TO BE FREE OF WEEDS AND GRASS. DO NOT INSTALL WEED BARRIER IN PLANTING AREAS.
31. PERMANENT IRRIGATION SYSTEM WILL BE INSTALLED FOR A PORTION OF THE SITE - SEE SITE IRRIGATION PLAN. THE CONTRACTOR SHALL PROVIDE ALL WATER, WATERING DEVICES AND LABOR NEEDED TO IRRIGATE PLANT MATERIALS LOCATED IN AREAS OUTSIDE OF THE IRRIGATION SYSTEM COVERAGE. THE CONTRACTOR SHALL SUPPLY ENOUGH WATER TO MAINTAIN THE PLANTS HEALTHY CONDITION UNTIL PROJECT COMPLETION AND OWNER TAKES POSSESSION.
32. PROVIDE TREE WATERING BAGS ON ALL TREES LOCATED OUTSIDE IRRIGATED AREAS LOCATED OUTSIDE IRRIGATED AREAS.
33. ALL PLANTS SHALL BE INSPECTED AT SUBSTANTIAL COMPLETION. CONTRACTOR SHALL REPLACE IMMEDIATELY ANY PLANT NOT IN HEALTHY AND VIGOROUS CONDITION AT THAT TIME AT NO EXPENSE TO THE OWNER.
34. THE LANDSCAPE CONTRACTOR IS TO REMOVE TREE STAKES AND ALL DEAD WOOD ON TREES ONE YEAR AFTER PROVISIONAL/FINAL ACCEPTANCE.
35. TREE DIAMETER MEASUREMENT SHALL BE TAKEN FROM DBH (DIAMETER AT BREAST HEIGHT OF 4.5' ABOVE GROUND).
34. SOIL-SAMPLING REQUIREMENTS  
 A. GENERAL: EXTRACT SOIL SAMPLES ACCORDING TO REQUIREMENTS IN THIS ARTICLE.  
 B. SAMPLE COLLECTION AND LABELING: HAVE SAMPLES TAKEN AND LABELED BY STATE-CERTIFIED, -LICENSED, OR -REGISTERED SOIL SCIENTIST UNDER THE DIRECTION OF THE TESTING AGENCY.
35. NUMBER AND LOCATION OF SAMPLES: MINIMUM OF THREE REPRESENTATIVE SOIL SAMPLES FROM VARIED LOCATIONS FOR EACH SOIL TO BE USED OR AMENDED FOR LANDSCAPING PURPOSES.
36. PROCEDURES AND DEPTH OF SAMPLES: ACCORDING TO USDA-NRCS'S "FIELD BOOK FOR DESCRIBING AND SAMPLING SOILS."
37. DIVISION OF SAMPLES: SPLIT EACH SAMPLE INTO TWO, EQUAL PARTS. SEND HALF TO THE TESTING AGENCY AND HALF TO OWNER FOR ITS RECORDS.
38. LABELING: LABEL EACH SAMPLE WITH THE DATE, LOCATION KEYED TO A SITE PLAN OR OTHER LOCATION SYSTEM, VISIBLE SOIL CONDITION, AND SAMPLING DEPTH.
39. TESTING REQUIREMENTS  
 A. FERTILITY TESTING: SOIL-FERTILITY ANALYSIS ACCORDING TO STANDARD LABORATORY PROTOCOL OF SSSA NAPT NCR-13, SSSA NAPT NEC-67, SSSA NAPT SERA-6, SSSA NAPT WERA-103, INCLUDING THE FOLLOWING:  
 1. PERCENTAGE OF ORGANIC MATTER.  
 2. CEC, CALCIUM PERCENT OF CEC, AND MAGNESIUM PERCENT OF CEC.  
 3. SOIL REACTION (ACIDITY/ALKALINITY PH VALUE).  
 4. BUFFERED ACIDITY OR ALKALINITY.  
 5. NITROGEN PPM.  
 6. PHOSPHOROUS PPM.  
 7. POTASSIUM PPM.  
 8. MANGANESE PPM.

9. MANGANESE-AVAILABILITY PPM.
10. ZINC PPM.
11. ZINC AVAILABILITY PPM.
12. COPPER PPM.
13. SODIUM PPM.
14. SOLUBLE-SALTS PPM.
15. PRESENCE AND QUANTITIES OF PROBLEM MATERIALS INCLUDING SALTS AND METALS CITED IN THE STANDARD PROTOCOL. IF SUCH PROBLEM MATERIALS ARE PRESENT, PRO-VIDE ADDITIONAL RECOMMENDATIONS FOR CORRECTIVE ACTION.
16. OTHER DELETERIOUS MATERIALS, INCLUDING THEIR CHARACTERISTICS AND CONTENT OF EACH.  
 B. ORGANIC-MATTER CONTENT: ANALYSIS USING LOSS-BY-IGNITION METHOD ACCORDING TO SSSA'S "METHODS OF SOIL ANALYSIS - PART 3- CHEMICAL METHODS."
- C. RECOMMENDATIONS: BASED ON THE TEST RESULTS, STATE RECOMMENDATIONS FOR SOIL TREATMENTS AND SOIL AMENDMENTS TO BE INCORPORATED TO PRODUCE SATISFACTORY PLANTING SOIL SUITABLE FOR HEALTHY, VIABLE PLANTS INDICATED. INCLUDE, AT A MINIMUM, RECOMMENDATIONS FOR NITROGEN, PHOSPHOROUS, AND POTASSIUM FERTILIZATION, AND FOR MICRONUTRIENTS.
40. FERTILIZERS AND SOIL AMENDMENT RATES: STATE RECOMMENDATIONS IN WEIGHT PER 1000 SQ. FT. FOR 6-INCH DEPTH OF SOIL.
41. SOIL REACTION: STATE THE RECOMMENDED LIMING RATES FOR RAISING PH OR SULFUR FOR LOWERING PH ACCORDING TO THE BUFFERED ACIDITY OR BUFFERED ALKALINITY IN WEIGHT PER 1000 SQ. FT. FOR 6-INCH DEPTH OF SOIL.
42. PLANTING SOILS SPECIFIED BY COMPOSITION  
 A. PLANTING-SOIL TYPE MIXED ON-SITE: EXISTING, ON-SITE SURFACE SOIL, WITH THE DUFF LAY-ER, IF ANY, RETAINED; AND STOCKPILED ON-SITE; MODIFIED TO PRODUCE VIABLE PLANTING SOIL. BLEND EXISTING, ON-SITE SURFACE SOIL WITH THE FILLING SOIL AMENDMENTS AND FERTILIZERS IN THE FOLLOWING QUANTITIES TO PRODUCE PLANTING SOIL:  
 1. RATIO OF LOOSE COMPOST TO SOIL: 1:3 BY VOLUME.  
 2. RATIO OF LOOSE SPHAGNUM PEAT TO SOIL: 1:3 BY VOLUME.  
 3. WEIGHT OF LIME: AS RECOMMENDED BY SOILS ANALYSIS.  
 B. PLANTING-SOIL TYPE IMPORTED SOILS: IMPORTED, NATURALLY FORMED SOIL FROM OFF-SITE SOURCES AND CONSISTING OF LOAMY SAND SOIL ACCORDING TO USDA TEXTURES; AND MODIFIED TO PRODUCE VIABLE PLANTING SOIL.  
 43. SOURCES: TAKE IMPORTED, UNAMENDED SOIL FROM SOURCES THAT ARE NATURALLY WELL-DRAINED SITES WHERE TOPSOIL OCCURS AT LEAST 4 INCHES (100 MM) DEEP, NOT FROM, BOGS, OR MARSHES; AND THAT DO NOT CONTAIN UNDESIRABLE ORGANISMS; DISEASE-CAUSING PLANT PATHOGENS; OR OBNOXIOUS WEEDS AND INVASIVE PLANTS INCLUDING, BUT NOT LIMITED TO, QUACKGRASS, JOHNSONGRASS, POISON IVY, NUTSEDGE, NIMBLEWILL, CANADA THISTLE, BINNWEED, BENTGRASS, WILD GARLIC, GROUND IVY, PERENNIAL SORREL, AND BROMEGRASS.  
 44. ADDITIONAL PROPERTIES OF IMPORTED SOIL BEFORE AMENDING: SOIL REACTION OF PH 6 TO 7 AND MINIMUM OF 4 PERCENT ORGANIC-MATTER CONTENT, FRIABLE, AND WITH SUFFICIENT STRUCTURE TO GIVE GOOD TILT AND AERATION.  
 45. UNACCEPTABLE PROPERTIES: CLEAN SOIL OF THE FOLLOWING:  
 A. UNACCEPTABLE MATERIALS: CONCRETE SLURRY, CONCRETE LAYERS OR CHUNKS, CEMENT, PLASTER, BUILDING DEBRIS, OILS, GASOLINE, DIESEL FUEL, PAINT THINNER, TURPENTINE, TAR, ROOFING COMPOUND, ACID, AND OTHER EXTRANEIOUS MATERIALS THAT ARE HARMFUL TO PLANT GROWTH.  
 B. UNSUITABLE MATERIALS: STONES, ROOTS, PLANTS, SOD, CLAY LUMPS, AND POCKETS OF COARSE SAND THAT EXCEED A COMBINED MAXIMUM OF 8 PER-CENT BY DRY WEIGHT OF THE IMPORTED SOIL.  
 C. SECOND OPTION IN "LARGE MATERIALS" SUBPARAGRAPH BELOW ALLOWS GENERALLY ACCEPTABLE SOIL CLOUDS TO REMAIN. REVISE SUBPARAGRAPH TO SUIT REQUIRED SOIL STRUCTURE, TEXTURE, AND APPEARANCE.  
 D. LARGE MATERIALS: STONES, CLOUDS, ROOTS, CLAY LUMPS, AND POCKETS OF COARSE SAND EXCEEDING 2 INCHES (50 MM) IN ANY DIMENSION.  
 46. AMENDED SOIL COMPOSITION: BLEND IMPORTED, UNAMENDED SOIL WITH THE FOLLOWING SOIL AMENDMENTS AND FERTILIZERS IN THE FOLLOWING QUANTITIES TO PRODUCE PLANTING SOIL:  
 A. RATIO OF LOOSE COMPOST TO SOIL: 1:3 BY VOLUME.  
 B. RATIO OF LOOSE SPHAGNUM, MUCK PEAT TO SOIL: BY VOLUME.  
 C. WEIGHT OF LIME: AS RECOMMENDED BY SOILS ANALYSIS.
47. ORGANIC SOIL AMENDMENTS  
 A. COMPOST: WELL-COMPOSTED, STABLE, AND WEED-FREE ORGANIC MATTER PRODUCED BY COMPOSTING FEEDSTOCK, AND BEARING USCC'S "SEAL OF TESTING ASSURANCE," AND AS FOLLOWS:  
 1. FEEDSTOCK: LIMITED TO LEAVES.  
 2. REACTION: PH OF 5.5 TO 8.  
 3. SOLUBLE-SALT CONCENTRATION: LESS THAN 4 DS/M.  
 4. MOISTURE CONTENT: 35 TO 55 PERCENT BY WEIGHT.  
 5. ORGANIC-MATTER CONTENT: 50 TO 60 PERCENT OF DRY WEIGHT.  
 6. PARTICLE SIZE: MINIMUM OF 98 PERCENT PASSING THROUGH A 4-INCH (100-MM) SIEVE.  
 B. SPHAGNUM PEAT: PARTIALLY DECOMPOSED SPHAGNUM PEAT MOSS, FINELY DIVIDED OR OF GRANULAR TEXTURE WITH 100 PERCENT PASSING THROUGH A 1/2-INCH (13-MM) SIEVE, A PH OF 3.4 TO 4.8, AND A SOLUBLE-SALT CONTENT MEASURED BY ELECTRICAL CONDUCTIVITY OF MAXIMUM 5 DS/M.  
 C. WOOD DERIVATIVES: SHREDDED AND COMPOSTED,

- NITROGEN-TREATED SAWDUST, GROUND BARK, OR WOOD WASTE; OF UNIFORM TEXTURE AND FREE OF CHIPS, STONES, STICKS, SOIL, OR TOXIC MATERIALS.
- D. PARTIALLY DECOMPOSED WOOD DERIVATIVES: IN LIEU OF SHREDDED AND COM-POSTED WOOD DERIVATIVES, MIX SHREDDED AND PARTIALLY DECOMPOSED WOOD DERIVATIVES WITH AMMONIUM NITRATE AT A MINIMUM RATE OF 0.15 LB/CU. FT. (2.4 KG/CU. M) OF LOOSE SAWDUST OR GROUND BARK, OR WITH AMMONIUM SULFATE AT A MINIMUM RATE OF 0.25 LB/CU. FT. OF LOOSE SAWDUST OR GROUND BARK.
- E. MANURE: WELL-ROTTED, UNLEACHED, STABLE OR CATTLE MANURE CONTAINING NOT MORE THAN 25 PERCENT BY VOLUME OF STRAW, SAWDUST, OR OTHER BEDDING MATERIALS; FREE OF TOXIC SUBSTANCES, STONES, STICKS, SOIL, WEED SEED, DEBRIS, AND MATERIAL HARMFUL TO PLANT GROWTH.
48. FERTILIZERS  
 A. SUPERPHOSPHATE: COMMERCIAL, PHOSPHATE MIXTURE, SOLUBLE; A MINIMUM OF 20 PERCENT AVAILABLE PHOSPHORIC ACID.  
 B. COMMERCIAL FERTILIZER: COMMERCIAL-GRADE COMPLETE FERTILIZER OF NEUTRAL CHARACTER, CONSISTING OF FAST- AND SLOW-RELEASE NITROGEN, 50 PERCENT DERIVED FROM NATURAL ORGANIC SOURCES OF UREA FORMALDEHYDE, PHOSPHOROUS, AND POTASSIUM IN THE FOLLOWING COMPOSITION:  
 1. COMPOSITION: 1 LB/1000 SQ. FT. (0.5 KG/100 SQ. M) OF ACTUAL NITROGEN, 4 PER-CENT PHOSPHOROUS, AND 2 PERCENT POTASSIUM, BY WEIGHT.  
 2. COMPOSITION: NITROGEN, PHOSPHOROUS, AND POTASSIUM IN AMOUNTS RECOMMENDED IN SOIL REPORTS FROM A QUALIFIED TESTING AGENCY.  
 C. SLOW-RELEASE FERTILIZER: GRANULAR OR PELLETED FERTILIZER CONSISTING OF 50 PERCENT WATER-INSOLUBLE NITROGEN, PHOSPHOROUS, AND POTASSIUM IN THE FOLLOWING COMPOSITION:  
 1. COMPOSITION: 20 PERCENT NITROGEN, 10 PERCENT PHOSPHOROUS, AND 10 PERCENT POTASSIUM, BY WEIGHT.  
 2. COMPOSITION: NITROGEN, PHOSPHOROUS, AND POTASSIUM IN AMOUNTS RECOMMENDED IN SOIL REPORTS FROM A QUALIFIED TESTING AGENCY.  
 D. CHELATED IRON: COMMERCIAL-GRADE FEEDDHA FOR DICOTS AND WOODY PLANTS, AND COMMERCIAL-GRADE FEDTPA FOR ORNAMENTAL GRASSES AND MONOCOTS.
49. EXECUTION  
 A. PLACE PLANTING SOIL AND FERTILIZERS ACCORDING TO REQUIREMENTS IN OTHER SPECIFICATION SECTIONS.  
 B. VERIFY THAT NO FOREIGN OR DELETERIOUS MATERIAL OR LIQUID SUCH AS PAINT, PAINT WASH-OUT, CONCRETE SLURRY, CONCRETE LAYERS OR CHUNKS, CEMENT, PLASTER, OILS, GASOLINE, DIESEL FUEL, PAINT THINNER, TURPENTINE, TAR, ROOFING COMPOUND, OR ACID HAS BEEN DEPOSITED IN PLANTING SOIL.  
 C. PROCEED WITH PLACEMENT ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.
50. PREPARATION OF UNAMENDED, ON-SITE SOIL BEFORE AMENDING  
 A. EXCAVATION: EXCAVATE SOIL FROM DESIGNATED AREA(S) TO A DEPTH OF 6 INCHES (150 MM) AND STOCKPILE UNTIL AMENDED.  
 B. UNACCEPTABLE MATERIALS: CLEAN SOIL OF CONCRETE SLURRY, CONCRETE LAYERS OR CHUNKS, CEMENT, PLASTER, BUILDING DEBRIS, OILS, GASOLINE, DIESEL FUEL, PAINT THINNER, TURPENTINE, TAR, ROOFING COMPOUND, ACID, AND OTHER EXTRANEIOUS MATERIALS THAT ARE HARMFUL TO PLANT GROWTH.  
 C. UNSUITABLE MATERIALS: CLEAN SOIL TO CONTAIN A MAXIMUM OF 8 PERCENT BY DRY WEIGHT OF STONES, ROOTS, PLANTS, SOD, CLAY LUMPS, AND POCKETS OF COARSE SAND.  
 D. SCREENING: PASS UNAMENDED SOIL THROUGH A 2-INCH (50-MM) SIEVE TO REMOVE LARGE MATERIALS.
51. PLACING AND MIXING PLANTING SOIL OVER EXPOSED SUBGRADE  
 A. GENERAL: APPLY AND MIX UNAMENDED SOIL WITH AMENDMENTS ON-SITE TO PRODUCE REQUIRED PLANTING SOIL. DO NOT APPLY MATERIALS OR TILL IF EXISTING SOIL OR SUBGRADE IS FROZEN, MUDDY, OR EXCESSIVELY WET.  
 B. SUBGRADE PREPARATION: TILL SUBGRADE TO A MINIMUM DEPTH OF 6 INCHES. REMOVE STONES LARGER THAN 1-1/2 INCHES (38 MM) IN ANY DIMENSION AND STICKS, ROOTS, RUBBISH, AND OTHER EXTRANEIOUS MATTER AND LEGALLY DISPOSE OF THEM OFF OWNER'S PROPERTY.  
 1. APPLY, ADD SOIL AMENDMENTS, AND MIX APPROXIMATELY HALF THE THICKNESS OF UNAMENDED SOIL OVER PREPARED, LOOSENEED SUBGRADE ACCORDING TO "MIXING" PARAGRAPH BELOW. MIX THOROUGHLY INTO TOP 4 INCHES (100 MM) OF SUBGRADE. SPREAD REMAINDER OF PLANTING SOIL.  
 C. MIXING: SPREAD UNAMENDED SOIL TO TOTAL DEPTH OF 6 INCHES (150 MM), BUT NOT LESS THAN REQUIRED TO MEET FINISH GRADES AFTER MIXING WITH AMENDMENTS AND NATURAL SETTLEMENT. DO NOT SPREAD IF SOIL OR SUBGRADE IS FROZEN, MUDDY, OR EXCESSIVELY WET.  
 1. AMENDMENTS: APPLY SOIL AMENDMENTS, AND FERTILIZER, IF REQUIRED, EVENLY ON SURFACE, AND THOROUGHLY BLEND THEM WITH UNAMENDED SOIL TO PRODUCE PLANTING SOIL.

2. MIX LIME AND SULFUR WITH DRY SOIL BEFORE MIXING FERTILIZER.
3. MIX FERTILIZER WITH PLANTING SOIL NO MORE THAN SEVEN DAYS BEFORE PLANTING.
52. LIFTS: APPLY AND MIX UNAMENDED SOIL AND AMENDMENTS IN LIFTS NOT EXCEEDING 8 INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY COMPACTION EQUIPMENT, AND NOT MORE THAN 4 INCHES (100 MM) IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HAND-OPERATED TAMPERS.
- A. COMPACTION: COMPACT EACH BLENDED LIFT OF PLANTING SOIL TO 75 TO 82 PERCENT OF MAXIMUM STANDARD PROCTOR DENSITY ACCORDING TO ASTM D 698 AND TESTED IN-PLACE EXCEPT WHERE A DIFFERENT COMPACTION VALUE IS INDICATED ON DRAWINGS.
- B. FINISH GRADING: GRADE PLANTING SOIL TO A SMOOTH, UNIFORM SURFACE PLANE WITH LOOSE, UNIFORMLY FINE TEXTURE. ROLL AND RAKE, REMOVE RIDGES, AND FILL DEPRESSIONS TO MEET FINISH GRADES.
53. BLENDING PLANTING SOIL IN PLACE  
 A. GENERAL: MIX AMENDMENTS WITH IN-PLACE, UNAMENDED SOIL TO PRODUCE REQUIRED PLANTING SOIL. DO NOT APPLY MATERIALS OR TILL IF EXISTING SOIL OR SUBGRADE IS FROZEN, MUDDY, OR EXCESSIVELY WET.  
 B. PREPARATION: TILL UNAMENDED, EXISTING SOIL IN PLANTING AREAS TO A MINIMUM DEPTH OF 6 INCHES (150 MM). REMOVE STONES LARGER THAN 1-1/2 INCHES (38 MM) IN ANY DIMENSION AND STICKS, ROOTS, RUBBISH, AND OTHER EXTRANEIOUS MATTER AND LEGALLY DISPOSE OF THEM OFF OWNER'S PROPERTY.  
 C. MIXING: APPLY SOIL AMENDMENTS AND FERTILIZER, IF REQUIRED, EVENLY ON SURFACE, AND THOROUGHLY BLEND THEM INTO FULL DEPTH OF UNAMENDED, IN-PLACE SOIL TO PRODUCE PLANTING SOIL.  
 54. MIX LIME WITH DRY SOIL BEFORE MIXING FERTILIZER.  
 55. MIX FERTILIZER WITH PLANTING SOIL NO MORE THAN SEVEN DAYS BEFORE PLANTING.  
 A. COMPACTION: COMPACT BLENDED PLANTING SOIL TO 75 TO 82 PERCENT OF MAXIMUM STANDARD PROCTOR DENSITY ACCORDING TO ASTM D 698 EXCEPT WHERE A DIFFERENT COMPACTION VALUE IS INDICATED ON DRAWINGS.  
 B. FINISH GRADING: GRADE PLANTING SOIL TO A SMOOTH, UNIFORM SURFACE PLANE WITH LOOSE, UNIFORMLY FINE TEXTURE. ROLL AND RAKE, REMOVE RIDGES, AND FILL DEPRESSIONS TO MEET FINISH GRADES.



**WEST STREET IMPROVEMENTS**  
**FROM 47TH ST. SOUTH TO**  
**MACARTHUR ROAD**  
**CITY OF WICHITA**

Issue:		
JOB NO.	210254-002	
DATE	OCTOBER 2024	
PM	TPA	
DESIGNED BY	PGW	
DRAWN BY	PGW	
CHECKED BY	NLS	
PLANTING NOTES		
<b>LP501</b> 205 OF 206		