

**LANDSCAPE NOTES**

- THE LANDSCAPE PLAN DESCRIBES THE LANDSCAPE PORTION OF THE PROJECT ONLY. SEE OTHER SHEETS FOR SITE IMPROVEMENT INFORMATION.
- THE CONTRACTOR SHALL LOCATE AND VERIFY THE EXISTENCE OF ALL UTILITIES PRIOR TO STARTING WORK. THE CONTRACTOR SHALL CONTACT THE UTILITIES NOTIFICATION CENTER AT LEAST 48 HOURS BEFORE ANY EXCAVATION OR CONSTRUCTION TO REQUEST EXACT FIELD LOCATIONS OF ALL UTILITIES.
- WHEN APPLICABLE, IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT EXISTING TREES TO REMAIN. NO HEAVY EQUIPMENT SHOULD BE PERMITTED TO OPERATE OR BE STORED, NOR ANY MATERIALS TO BE HANDLED OR STORED, WITHIN THE DRIPLINES OF TREES OUTSIDE THE LIMIT OF GRADING.
- THE CONTRACTOR IS TO VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES AND TO PROTECT UTILITIES THAT ARE TO REMAIN. THE CONTRACTOR SHALL REPAIR ANY DAMAGE ACCORDING TO LOCAL STANDARDS AT THE CONTRACTOR'S EXPENSE. COORDINATE ALL CONSTRUCTION WITH THE APPROPRIATE UTILITY COMPANY.
- CONTRACTOR TO HAVE ALL UTILITIES FIELD LOCATED AND MARKED ON SITE PRIOR TO LANDSCAPE BEING PLANTED. UTILITY LOCATION DISCREPANCIES FROM PLANS TO BE IDENTIFIED AND LANDSCAPE ARCHITECT TO BE INFORMED PRIOR TO PLANTING. TREES MUST NOT BE PLANTED WITHIN 10' OF ANY UTILITIES.
- CONTRACTOR SHALL HAVE EXISTING AND NEW UTILITY LOCATIONS MARKED, FOR REFERENCE, DURING APPROVAL OF FINAL TREE PLANTING LAYOUT.
- MINIMIZE DISTURBANCE OUTSIDE SCOPE OF WORK. ANY DAMAGE OUTSIDE SCOPE OF WORK INCURRED DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR TO LIKE NEW CONDITION.
- CONTRACTOR SHALL MAINTAIN IRRIGATION TO EXISTING SOD AND OTHER PLANT MATERIAL TO REMAIN.
- THE CONTRACTOR SHALL SUPPLY ALL PLANT MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING SHOWN ON ALL PLANTING PLANS. SHOULD DISCREPANCIES EXIST BETWEEN THE QUANTITIES OR S.F. AREAS PROVIDED IN THE LABEL AND THOSE DRAWN ON THE PLAN, THE PLAN SHALL GOVERN.
- NO PLANT SHALL BE INSTALLED BEFORE ROUGH GRADING HAS BEEN FINISHED AND APPROVED BY THE PROJECT LANDSCAPE ARCHITECT, OR EQUAL.
- ALL PLANTS SHALL HAVE THE SAME RELATIONSHIP TO FINISHED GRADE AS THE PLANT'S ORIGINAL GRADE BEFORE DIGGING, UNLESS OTHERWISE SPECIFIED OR DETAILED.
- ALL PLANTS SHALL BE BALLED AND WRAPPED OR CONTAINER GROWN AS SPECIFIED. NO CONTAINER GROWN STOCK WILL BE ACCEPTED IF IT IS ROOT BOUND. ALL ROOT WRAPPING MATERIAL SHALL BE REMOVED COMPLETELY AT TIME OF PLANTING.
- CUT AWAY ROPES OR WIRES FROM B&B PLANTS. PULL BACK BURLAP FROM TOP OF ROOT BALL. DO NOT ALLOW BURLAP TO BE EXPOSED AT SURFACE. TOTALLY REMOVE BURLAP IF IT IS SYNTHETIC. IF CONTAINER GROWN PLANTS SHOW SIGNS OF BEING ROOT BOUND, SCORE ROOTS VERTICALLY.
- WITH CONTAINER GROWN STOCK, THE CONTAINER SHALL BE REMOVED AND THE CONTAINER BALL SHALL BE CUT THROUGH THE SURFACE IN AT LEAST TWO VERTICAL LOCATIONS.
- DO NOT PLANT TREES WITHIN 10 FEET OF CENTERLINE OF UTILITIES OR WITHIN UTILITY EASEMENTS. IF UTILITY INSTALLATION DIFFERS FROM WHAT PLANS SHOW THEN INFORM LANDSCAPE ARCHITECT AND CIVIL ENGINEER OF CONFLICTING CONDITIONS.
- REFER TO THE DETAILS AND NOTES FOR REQUIRED PLANTING METHODS, SOIL PREPARATION, AND OTHER INFORMATION REGARDING PLANTING.
- CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING NECESSARY FOR INITIAL ESTABLISHMENT OF LANDSCAPE. ALL PLANTS SHALL BE WATERED THOROUGHLY TWICE DURING THE FIRST 24-HOUR PERIOD AFTER PLANTING. ALL PLANTS SHALL THEN BE WATERED WEEKLY OR MORE OFTEN, IF NECESSARY, DURING THE FIRST GROWING SEASON. CONTRACTOR SHALL ALSO BE REQUIRED TO MAINTAIN LANDSCAPE THROUGH SUBSTANTIAL COMPLETION. MAINTENANCE SHALL INCLUDE (BUT IS NOT LIMITED TO) WATERING, MOWING, PRUNING, AND WEEDING.
- PLANT MATERIAL SHALL NOT BE PRUNED UNLESS OTHERWISE INDICATED IN PLANTING SCHEDULE.
- AREAS TO RECEIVE LANDSCAPE SHALL BE TILLED TO A DEPTH OF 12-INCHES. THEN APPLY SPECIFIED SOIL AMENDMENT OVER SURFACE. TILL AREAS AGAIN TO A MINIMUM DEPTH OF 8-INCHES.
- FINISH GRADES IN PLANTING AREAS SHALL BE SET TO INCLUDE THE APPLICATION OF TOPSOIL IN MEETING SPOT ELEVATIONS ON CONTOURS SHOWN ON PLANS. SLOPES SHALL BE SMOOTH AND WORKED. SOIL SHALL NOT BE LEFT IN CLUMP FORM. HOLD FINISHED GRADE OF MULCH A MINIMUM OF 3" BELOW EDGE OF WALK, EDGING, OR CURB.
- PROVIDE AT LEAST (2) 4" DIAMETER SCHEDULE 40 PVC SLEEVES UNDER ALL WALKS AND DRIVES FOR IRRIGATION PIPING AND WIRING. PRIOR TO INSTALLATION OF WALKS AND DRIVES. SITE CONTRACTOR SHALL COORDINATE INSTALLATION OF SLEEVES WITH LANDSCAPE CONTRACTOR. REFER TO APPROVED IRRIGATION PLANS FOR LOCATIONS WHERE SLEEVES ARE REQUIRED.
- STEEL EDGER WITH A ROLLED TOP SHALL SEPARATE ALL SODDED AREAS, BED AREAS, MINERAL MULCH AREAS, NATIVE SEED AREAS, AND AREAS OF POLYMER BOUND AGGREGATE SURFACES. 3/16" (5 MM) X 4" (10 CM) ELECTROSTATICALLY APPLIED, POWDER-COAT PAINTED STEEL, COLOR: BLACK.
- TRANSPLANTED TREES SHALL HAVE THE SAME ASPECT IN FINAL LOCATION (I.E. EXISTING NORTH ASPECT SHALL FACE NORTH IN FINAL LOCATION).
- ALL AREAS DISTURBED BY UTILITY TRENCHING, SITE AND BUILDING CONSTRUCTION SHALL BE STABILIZED WITH SODDING AND SEEDING AS SHOWN BY THE PLAN.
- IT IS THE LANDSCAPE CONTRACTOR'S RESPONSIBILITY TO CONFIRM MATERIAL QUANTITIES. IN THE EVENT OF A DISCREPANCY, THE QUANTITIES SHOWN ON THE PLAN SHALL TAKE PRECEDENCE OVER QUANTITIES SHOWN ON THE PLANT LIST.
- THE LANDSCAPE INSTALLATION SHALL BE COORDINATED WITH THE IRRIGATION INSTALLATION WHEN APPLICABLE.
- THE LANDSCAPE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM STRUCTURES AND TAKE SPECIAL CARE TO INSURE THAT BED PREPARATION DOES NOT INHIBIT DRAINAGE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR BACKFILLING BEHIND THE CURB SO GRADE IS LEVEL WITH TOP OF CURB.
- TREES PLANTED IN LAWN AREA TO HAVE A 3'-0" RADIUS MULCH BED AROUND THE BASE. MULCH TO BE MULCH TYPE 1.
- ALL LAWN AREAS SHALL BE CULTIVATED TO A DEPTH OF 4" PRIOR TO SODDING AND SEEDING. PREPARED SOD AND SEED BEDS SHALL BE FREE FROM STONES OVER 2" DIAMETER AND OTHER DELETERIOUS MATERIAL.
- THE LANDSCAPE CONTRACTOR SHALL RAKE SMOOTH ALL SEED OR SOD AREAS PRIOR TO INSTALLATION.
- SODDED AREAS SHALL HAVE NO BARE AREAS. SEEDING AREAS SHALL BE CONSIDERED ACCEPTABLE WHEN FULL COVERAGE OF THE PERMANENT TURFGRASS SPECIES IS ESTABLISHED.
- THE QUANTITIES INDICATED ON THE PLANT LIST AND PLAN ARE PROVIDED FOR THE BENEFIT OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS OWN QUANTITY CALCULATIONS AND THE LIABILITY WHICH PERTAINS TO THOSE QUANTITIES AND TO ANY RELATIONSHIP TO CONTRACT DOCUMENTS AND/OR PRICE QUOTATIONS. QUESTIONS SHOULD BE DIRECTED TO THE LANDSCAPE ARCHITECT.

- ALL PLANT MATERIALS SHALL BE NURSERY GROWN, UNLESS OTHERWISE NOTED AND SHALL COMPLY WITH THE AMERICAN STANDARD FOR NURSERY STOCK: ANSI Z-60.1; LATEST EDITION, FOR SIZE AND QUALITY.
- IT IS THE LANDSCAPE CONTRACTOR'S RESPONSIBILITY TO CONFIRM MATERIAL QUANTITIES. IN THE EVENT OF A DISCREPANCY, THE QUANTITIES SHOWN ON THE PLAN SHALL TAKE PRECEDENCE OVER QUANTITIES SHOWN ON THE PLANT LIST.
- NO SUBSTITUTIONS AS TO TYPE, SIZE, OR SPACING OF PLANT MATERIALS SPECIFIED ON THIS PLAN MAY BE MADE WITHOUT THE WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT. CONTACT TARR GROUP (502) 648-3803.
- SOIL USED FOR PLANTING SHALL CONSIST OF 5 PARTS TOPSOIL, 1 PART SAND AND 2 PARTS ORGANIC MATTER, MIXED WITH 1 POUND OF FERTILIZER PER CUBIC YARD.
  - SAND SHALL BE CLEAN MASONRY SAND.
  - ORGANIC MATTER SHALL BE PEAT MOSS, OR WELL COMPOSTED PINE BARK, OR APPROVED EQUAL AND SHALL BE FINELY GROUND AND FREE OF WEEDS.
  - ALL FERTILIZER SHALL BE 10-10-10 WITH MINOR ELEMENTS. FERTILIZER SHALL HAVE 40-50% OF ITS TOTAL NITROGEN IN A WATER INSOLUBLE FORM.
- PRE-EMERGENT HERBICIDE SHALL BE APPLIED TO ALL PLANT BEDS AND SOD AREAS PRIOR TO INSTALLATION. TREFLAN OR AN APPROVED EQUAL SHALL BE USED.
- ALL PLANT BEDS SHALL HAVE A MINIMUM OF 3" DEEP MULCH.
  - MULCH TYPE 1: FINE-GROUND SHREDDED HARDWOOD BARK MULCH - DOUBLE-GROUND, PARTIALLY COMPOSTED, AND FREE OF GROWTH OR GERMINATION INHIBITING INGREDIENTS. PH RANGE 6.0-7.0
- THE LANDSCAPE CONTRACTOR WILL NOT BE RESPONSIBLE FOR PLANT MATERIAL THAT HAS BEEN DAMAGED BY VANDALISM, FIRE, RELOCATION, WILDLIFE, THEFT, SEVERE WEATHER OR OTHER ACTIVITIES BEYOND THE LANDSCAPE CONTRACTOR'S CONTROL.
- PRIOR TO FINAL PAYMENT, THE LANDSCAPE CONTRACTOR SHALL PROVIDE THE OWNER WITH COMPLETE WRITTEN INSTRUCTIONS ON PROPER CARE OF ALL SPECIFIED PLANT MATERIALS.
- ALL PLANT MATERIAL SHALL BE GUARANTEED FOR ONE YEAR FROM DATE OF FINAL ACCEPTANCE.
- ALL REPLACEMENTS SHALL BE OF THE SAME TYPE, SIZE, AND QUALITY AS SPECIFIED ON THE PLANT LIST, UNLESS APPROVED OTHERWISE IN WRITING BY THE LANDSCAPE ARCHITECT AND CITY.
- ANY MATERIAL THAT IS DEEMED TO BE 25% DEAD OR MORE SHALL BE CONSIDERED DEAD, AND MUST BE REPLACED AT NO CHARGE. A TREE IS CONSIDERED DEAD WHEN THE MAIN LEADER HAS DIED BACK, OR MORE THAN 25% OF THE CROWN IS DEAD.
- REPLACEMENTS SHALL BE MADE DURING THE NEXT PLANTING SEASON UNLESS THE LANDSCAPE CONTRACTOR AGREES TO AN EARLIER DATE. FINAL CERTIFICATE OF OCCUPANCY MAY BE WITHHELD UNTIL PLANTING IS COMPLETE.
- ALL NUISANCE EXOTIC VEGETATION EXISTING WITHIN DEVELOPMENT PROJECT SITE PROPERTY MUST BE REMOVED IN CONJUNCTION WITH SITE DEVELOPMENT [§29.08]. PLEASE ADD THE PREVIOUS NOTE TO THE SITE PLAN.
- ALL LANDSCAPE IS TO CONFORM WITH THE STARBUCKS LANDSCAPE DESIGN GUIDELINES. WHEN THESE NOTES AND THE GUIDELINES DIFFER, THE STARBUCKS LANDSCAPE DESIGN GUIDELINES SHALL DICTATE. INFORM LANDSCAPE OF ANY DISCREPANCIES.
- THE LANDSCAPE CONTRACTOR MUST SUBMIT MATERIAL SAMPLES TO LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. SUBMITTALS ARE TO CONFIRM COMPLIANCE AND MATERIAL QUALITY. THESE SAMPLES INCLUDE, BUT ARE NOT LIMITED TO: MULCHES, EDGING, & PLANTS. CONTRACTOR TO CONTACT TIM HUBER AT TARR GROUP FOR SUBMITTAL REQUIREMENTS. TIM@TARR-GROUP.COM; 502.648.3808

**IRRIGATION NOTES**

- THE IRRIGATION SYSTEM SHALL BE DESIGNED TO CONFORM TO THE REQUIREMENTS OF THE CITY OF WILSON CODE OF ORDINANCES AND STARBUCKS DESIGN GUIDELINES.
- IRRIGATION WILL BE DESIGN BUILD.

**CONSTRUCTION CLOSE-OUT**

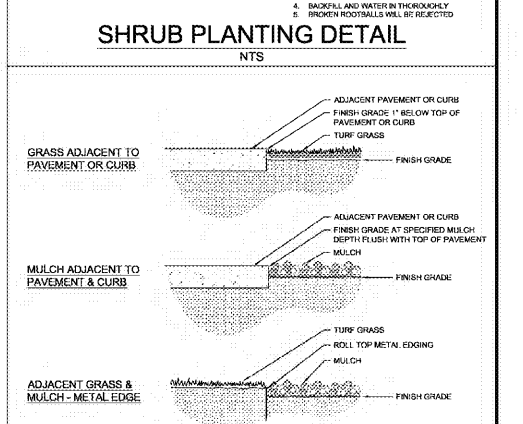
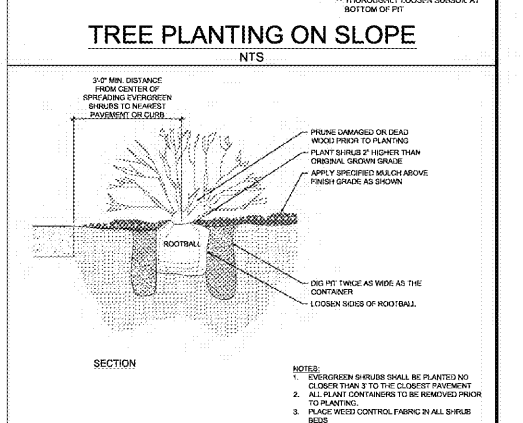
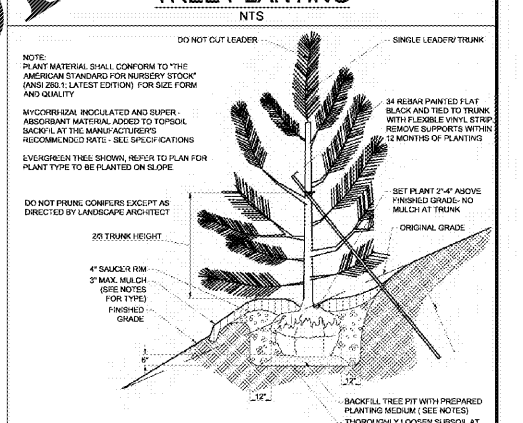
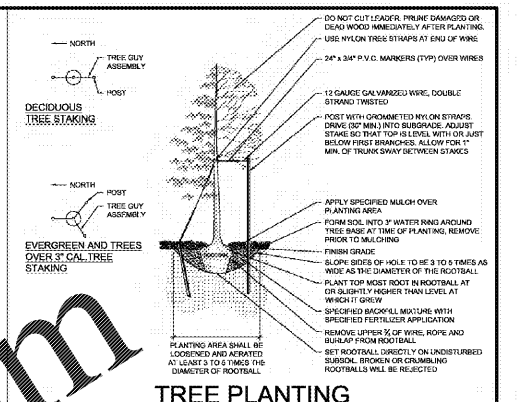
- MAINTAIN ONE SET OF MARKED-UP AS-BUILT DRAWINGS ON THE JOB SITE FOR DISTRIBUTION TO THE ENGINEER UPON COMPLETION.
- ANY PLANT SUBSTITUTIONS THAT ARE NOT PREVIOUSLY APPROVED AND FOUND TO BE UNACCEPTABLE BY LANDSCAPE ARCHITECT ARE TO BE RECONSTRUCTED AT CONTRACTOR'S EXPENSE.
- ANY WORK REQUIRED TO COMPLETE THE SCOPE OF THIS PROJECT BUT NOT SPECIFICALLY CALLED OUT, SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR THE COMPLETION OF THIS WORK.
- REPAIR OR REPLACE DAMAGE TO EXISTING FACILITIES (CURBS, PAVEMENT, UTILITIES, ETC.) DESIGNATED TO REMAIN, AT NO ADDITIONAL EXPENSE TO THE OWNER.
- WORK WHICH DOES NOT CONFORM TO THE REQUIREMENTS OF THE CONTRACT WILL BE CONSIDERED UNACCEPTABLE. UNACCEPTABLE WORK, WHETHER THE RESULT OF POOR WORKMANSHIP, USE OF DEFECTIVE MATERIALS, DAMAGE THROUGH CARELESSNESS OR ANY OTHER CAUSES, FOUND TO EXIST PRIOR TO THE FINAL ACCEPTANCE OF THE WORK, SHALL BE REMOVED AND REPAIRED IN AN ACCEPTABLE MANNER, AS REQUIRED BY THE LANDSCAPE ARCHITECT AT THE CONTRACTOR'S EXPENSE. WORK DONE CONTRARY TO THE INSTALLATION OF THE LANDSCAPE ARCHITECT, WORK DONE BEYOND THE LINES SHOWN ON THE PLANS, OR ANY EXTRA WORK DONE WITHOUT AUTHORITY WILL NOT BE PAID FOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT FROM DAMAGE ALL EXISTING MONUMENTATION DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PAYING FOR THE REPLACEMENT OF ANY MONUMENTS DAMAGED OR REMOVED DURING CONSTRUCTION. NEW MONUMENT SHALL BE REESTABLISHED BY A LICENSED SURVEYOR IN THE STATE OF THE PROJECT.
- CONTRACTOR TO PROVIDE LANDSCAPE ARCHITECT PHOTOGRAPHS OF AS-BUILT SITE UPON CONSTRUCTION AND LANDSCAPE INSTALLATION FOR REVIEW AND APPROVAL. CONTACT TARR GROUP FOR CLARIFICATION.
  - AS-BUILTS.
  - INSPECTIONS.
  - MATERIALS APPROVAL BY LANDSCAPE ARCHITECT.
  - PLANTING LOCATIONS IN REFERENCE TO AS-BUILT UTILITY LOCATIONS.
    - NO TREE PLANTED WITHIN 10' OF ANY UTILITY LINES UNLESS SAID UTILITY LINE IS NOTED TO BE WRAPPED IN ROOT BARRIER.

**NCDEQ STORMWATER DESIGN FINAL STABILIZATION NOTES:**

THE FINAL SUBGRADE SLOPE SHALL NOT EXCEED 0.5%. THE SLOPE OF THE SUBGRADE SHALL BE CHECKED BEFORE PROCEEDING. WHERE POSSIBLE, EXCAVATE SOIL FROM THE SIDES OF THE PAVEMENT AREA TO MINIMIZE SUBGRADE COMPACTION FROM EQUIPMENT. AFTER VERIFYING THE SUBGRADE SLOPE, SCARIFY, RIP OR TRENCH THE SOIL SUBGRADE SURFACE OF INFILTRATING PAVEMENT SYSTEMS TO MAINTAIN THE SOIL'S PRE-DISTURBANCE INFILTRATION RATE. THESE TREATMENTS MUST OCCUR WHILE THE SOIL IS DRY. TO SCARIFY THE PAVEMENT, USE BACKHOE BUCKET'S TEETH TO RAKE THE SURFACE OF THE SUBGRADE. TO RIP THE SUBGRADE, USE A SUBSOIL RIPPER TO MAKE PARALLEL RIPS 6 TO 9 IN. DEEP SPACED 3 FEET APART ALONG THE LENGTH OF THE PERMEABLE PAVEMENT EXCAVATION AS SHOWN IN FIGURE 18-16. IN SILTY OR CLAYEY SOILS, CLEAN COARSE SAND MUST BE PLACED OVER THE RIPPED SURFACE TO KEEP IT FREE-FLOWING (BROWN AND HUNT 2009). THE SAND LAYER SHOULD BE ADEQUATE TO FILL THE RIPS.

AN ALTERNATIVE TO SCARIFICATION AND RIPPING IS TRENCHING. SEE FIGURE 18-17. IF TRENCHING, THEN PARALLEL TRENCHES 12 IN. WIDE BY 12 IN. DEEP SHALL BE MADE ALONG THE LENGTH OF THE PERMEABLE PAVEMENT EXCAVATION. EXCAVATE TRENCHES EVERY 6 FT (MEASURED FROM CENTER TO CENTER OF EACH TRENCH) AND FILL WITH 1/2 IN. OF CLEAN COURSE SAND AND 1 1/2 IN. OF ASTM NO. 67 AGGREGATE (BROWN AND HUNT 2009).

RIPPED OR TRENCHED (UNCOMPACTED) SOIL SUBGRADE CAN SETTLE AFTER AGGREGATE BASE AND SURFACE COURSE INSTALLATION AND COMPACTION. THEREFORE, BASE COMPACTION REQUIRES SPECIAL ATTENTION TO MEANS AND METHODS IN THE CONSTRUCTION SPECIFICATIONS AND DURING CONSTRUCTION INSPECTION TO MINIMIZE FUTURE SETTLEMENT FROM RIPPED OR TRENCHED SOIL SUBGRADES.



19045-L5.1-LANDSCAPE DETAILS & NOTES.dwg



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REVISIONS:	
PER STARBUCKS COMMENTS	08/19/2020
PER CITY OF WILSON COMMENTS	08/31/2020

LANDSCAPE NOTES & DETAILS

L5.1