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| LOT NO. | XX | | | |
| IRON ROD (OLD) | (O) | | | |
| IRON ROD (SET) | (N) | | | |
| IRON PIPE (OLD) | (O) | | | |
| P K NAIL (OLD) | O <i>PK(O)</i> | | | |
| CONCRETE MON (OLD) | O MON(O) | | | |
| PROPERTY LINE | | | | |
| FENCE LINE | | | | |
| CONTOUR LINE | | | | |
| OVERHEAD POWER LINE | ——— ОН-Е | | | |
| SANITARY SEWER LINE | | | | |
| STORM SEWER LINE | 15''ST | | | |
| WATER LINE | | | | |
| GAS LINE | | | | |
| TELEPHONE MANHOLE | \bigcirc | | | |
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| ELECTRIC RISER | ⊗ _{ER} | | | |
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| UTILITY POLE W/ LIGHT | ¢ | | | |
| SANITARY SEWER MANHOLE | (\mathbf{S}) | | | |
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| CURB INLET | | | | |
| CATCH BASIN | | | | |
| CLEANOUT | 0 <i>c</i> 0 | | | |
| FIRE HYDRANT | 2 | | | |
| WATER METER | W | | | |
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| BOLLARD | ۵ | | | |
| CONCRETE | | | | |
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BASE INFORMATION LOCATED NORTH OF FIRST CREEK WAS TAKEN FROM A TOPOGRAPHIC AND BOUNDARY SURVEY PREPARED BY S&ME, INC., DATED JANUARY 2022.

BASE INFORMATION LOCATED SOUTH OF FIRST CREEK WAS TAKEN FROM A TOPOGRAPHIC AND BOUNDARY SURVEY PREPARED BY CEC, INC., DATED MARCH 2020. S&ME SHALL NOT BE HELD RESPONSIBLE FOR THE ACCURACY AND/OR COMPLETENESS OF INFORMATION SHOWN HEREON OR ANY ERRORS OR OMISSIONS RESULTING FROM SUCH.



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| EXISTING CONDITIONS DESIGN DEVELOPMENT AUSTIN HOMES FIRST CIRCLE CROSSING KNOXVILLE, KNOX, TENNESSEE | | | | | | | | | | | | |
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DRAWING NUMBER

GENERAL NOTES

- 1. THE PROJECT SITE IS SHOWN ON JURISDICTION, PARCEL ID 095HC003, 095HC00201, 095HC016, 095HC015, 095HC017.
- ANY WORK UNACCEPTABLE TO THE OWNER'S REPRESENTATIVE OR TO THE LOCAL GOVERNING AUTHORITY SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
- 3. THE CONTRACTOR SHALL CONFORM TO ALL LOCAL CODES AND RECEIVE APPROVAL WHERE NECESSARY BEFORE CONSTRUCTION.
- 4. BASE INFORMATION NORTH OF FIRST CREEK WAS TAKEN FROM A SURVEY PREPARED BY S&ME, INC., DATED JANUARY 2022. BASE INFORMATION SOUTH OF FIRST CREEK WAS TAKEN FROM A SURVEY PREPARED BY CEC, INC.DATED MARCH 2020. S&ME INC. SHALL NOT BE HELD RESPONSIBLE FOR THE ACCURACY AND/OR COMPLETENESS OF THAT INFORMATION SHOWN HEREON OR ANY ERRORS OR OMISSIONS RESULTING FROM SUCH.
- THE CONTRACTOR SHALL CHECK ALL EXISTING CONDITIONS, (i.e. INVERTS, UTILITY ROUTINGS, UTILITY CROSSINGS, AND DIMENSIONS) IN THE FIELD PRIOR TO COMMENCEMENT OF WORK. REPORT ANY DISCREPANCIES TO THE ENGINEER.
- THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES. TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN. REPAIR ANY DAMAGE ACCORDING TO LOCAL STANDARDS AND AT THE CONTRACTOR'S EXPENSE. COORDINATE ALL CONSTRUCTION WITH THE APPROPRIATE UTILITY COMPANY. THE CONTRACTOR SHALL CALL NATIONAL ONE CALL (811) 72 HOURS PRIOR TO PROCEEDING WITH ANY EXCAVATION.

EROSION CONTROL NOTES:

- 1. THE DISTURBED AREA FOR THIS PROJECT IS APPROXIMATELY 1.54 ACRES.
- 2. THE SUBJECT PROPERTY DOES LIE WITHIN A SPECIAL FLOOD HAZARD ZONE ACCORDING TO COMMUNITY PANEL NO. 47093C0281G OF THE F.E.M.A. FLOOD INSURANCE RATE MAPS FOR KNOX, TENNESSEE, WITH AN EFFECTIVE DATE OF 8/4/2013.
- EROSION PREVENTION AND SEDIMENT CONTROL MEASURES MUST BE IN PLACE AND FUNCTIONAL BEFORE EARTH MOVING OPERATION BEGINS AND MUST BE CONSTRUCTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. TEMPORARY MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORKDAY BUT MUST BE REPLACED AT THE END OF THE WORKDAY.
- PROVIDE TEMPORARY CONSTRUCTION ACCESS(ES) AT THE POINT(S) WHERE CONSTRUCTION VEHICLES EXIT THE CONSTRUCTION AREA. MAINTAIN PUBLIC ROADWAYS FREE OF TRACKED MUD AND DIRT.
- THE FOLLOWING RECORDS SHALL BE MAINTAINED ON OR NEAR SITE: THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR; THE DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE; THE DATES WHEN STABILIZATION MEASURES ARE INITIATED; INSPECTION RECORDS AND RAINFALL RECORDS.
- THE CONTRACTOR SHALL MAINTAIN A RAIN GAUGE AND DAILY RAINFALL RECORDS AT THE SITE OR USE A REFERENCE SITE FOR A RECORD OF DAILY AMOUNT OF PRECIPITATION.
- 7. PRE-CONSTRUCTION VEGETATIVE GROUND COVER SHALL NOT BE DESTROYED, REMOVED OR DISTURBED MORE THAN 10 DAYS PRIOR TO GRADING OR EARTH MOVING UNLESS THE AREA IS SEEDED AND/OR MULCHED OR OTHER TEMPORARY COVER IS INSTALLED.
- CONSTRUCTION MUST BE SEQUENCED TO MINIMIZE THE EXPOSURE TIME OF GRADED OR DENUDED AREAS.
- SEDIMENT REMOVED FROM SEDIMENT CONTROL STRUCTURES IS TO BE PLACED AT A SITE APPROVED BY THE ENGINEER. IT SHALL BE TREATED IN A MANNER SO THAT THE AREA AROUND THE DISPOSAL SITE WILL NOT BE CONTAMINATED OR DAMAGED BY THE SEDIMENT IN THE RUN-OFF. THE CONTRACTOR SHALL OBTAIN THE DISPOSAL SITE AS PART OF THIS WORK.
- 10. SEDIMENT SHOULD BE REMOVED FROM SEDIMENT TRAPS, SILT FENCES, SEDIMENTATION PONDS AND OTHER SEDIMENT CONTROLS AS NECESSARY AND MUST BE REMOVED WHEN DESIGN CAPACITY HAS BEEN REDUCED BY 50% OR AS DIRECTED BY OWNERS REPRESENTATIVE.
- 11. THE CONTRACTOR SHALL REMOVE SEDIMENT FROM ALL DRAINAGE STRUCTURES BEFORE ACCEPTANCE BY LOCAL GOVERNING AGENCY OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
- 12. THE CONTRACTOR SHALL REMOVE THE TEMPORARY EROSION AND WATER POLLUTION CONTROL DEVICES ONLY AFTER A SOLID STAND OF GRASS HAS BEEN ESTABLISHED ON GRADED AREAS AND WHEN IN THE OPINION OF THE JURISDICTION HAVING AUTHORITY'S REPRESENTATIVE. THEY ARE NO LONGER NEEDED.
- 13. SOD ALL DISTURBED AREAS AS SOON AS POSSIBLE AFTER FINAL GRADING IS COMPLETED, UNLESS OTHERWISE INDICATED. CONTRACTOR SHALL TAKE WHATEVER MEANS NECESSARY TO ESTABLISH PERMANENT SOIL STABILIZATION.

TREE PROTECTION NOTES

- PRIOR TO CONSTRUCTION ACTIVITY, THE GENERAL CONTRACTOR SHALL STAKE THE LIMITS OF CLEARING, GRADING AND BUILDING FOOTPRINTS THAT AFFECT THE TREE PRESERVATION AREAS.
- 2. THE LOCATION OF TREE PROTECTION MEASURES SHALL BE REVIEWED AND APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION COMMENCING. TREE PROTECTION BARRICADES SHALL CONSIST OF ORANGE PLASTIC BARRIER CONSTRUCTION FENCING, AND SHALL BE INSTALLED IN LOCATIONS AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
- CONTRACTOR SHALL INSTALL ADEQUATE TREE PROTECTION MEASURES PRIOR TO ANY GRADING ACTIVITIES TO PREVENT CONSTRUCTION ACTIVITIES WITHIN PROXIMITY OF SPECIMEN TREES.
- ALL GRADING WITHIN PROTECTED-ROOT-ZONE AREAS SHALL BE DONE BY HAND OR WITH SMALL EQUIPMENT TO MINIMIZE ROOT DAMAGE.
- ROOTS EXPOSED BY CONSTRUCTION ACTIVITY SHALL BE PRUNED FLUSH WITH THE GROUND AND COVERED 5. WITH BACKFILL AS SOON AS POSSIBLE. IF EXPOSED ROOTS ARE NOT COVERED WITHIN 24 HOURS, COVER THEM WITH MULCH AND THOROUGHLY WATER UNTIL COVERED WITH BACKFILL.
- DO NOT OPERATE OR STORE HEAVY EQUIPMENT, NOR HANDLE OR STORE MATERIALS, WITHIN THE DRIP 6 LINES OF TREES TO BE PRESERVED.
- WHENEVER GRADING OR EXCAVATION IS DIRECTED WITHIN THE CANOPY COVERAGE AREA OF A TREE TO BE 7 PRESERVED, FIRST CUT ROOTS USING A "DITCH WITCH" OR SIMILAR DEVICE TO PROVIDE CLEAN CUT OF ROOTS AT LIMITS OF ACTIVITY (PRIOR TO USE OF BACKHOE OR BULLDOZER). DO NOT ALLOW HEAVY EQUIPMENT WITHIN THE AREA BETWEEN CUT LINE AND TRUNK OF TREE. TRENCHES TO BE BACKFILLED AND TAMPERED TO MINIMIZE SETTLEMENT.
- BARRICADES SHALL ENCROACH ON AREAS TO BE PAVED UNTIL PAVING AND/OR GRADE ADJUSTMENT ACTIVITIES BEGIN. ONLY THEN SHALL BARRICADES BE MOVED TO THE MAXIMUM ALLOWABLE PROTECTED ROOT TREE SAVE ZONE THAT WILL NOT ENCROACH ON THE PLANNED CONSTRUCTION. REMOVAL OF BARRICADE SHALL OCCUR ONLY AFTER PAVING IS COMPLETED AND CURBING IS INSTALLED, OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.

TREE PROTECTION NOTES CONT.

- HOURS EACH WEEK.
- 10. ROOT AREA OF TREES WHERE SOIL HAS BEEN COMPACTED DUE TO CONSTRUCTION ACTIVITY SHALL BE VERTICALLY MULCHED (AERATED) AT DIRECTION OF LANDSCAPE ARCHITECT. THIS SHALL BE ACCOMPLISHED BY AUGURING THE SOIL IN A 2' GRID PATTERN TO WITHIN 3' OF TRUNK AND TO 10' BEYOND THE DRIP LINE. A 2" TO 3" HAND OPERATED AUGUR SHALL BE USED TO DRILL HOLES TO A MINIMUM DEPTH OF 12". TYPE OF BACKFILL WILL BE DETERMINED BY THE QUALIFIED PROFESSIONAL.
- 11. HEAVY ACCUMULATION OF DUST FROM CONSTRUCTION ACTIVITY MAY OCCUR ON THE SURFACE OF TREE FOLIAGE. TO CONTROL DUST, TREE FOLIAGE MAY BE HOSED DOWN UPON THE REQUEST OF THE QUALIFIED PROFESSIONAL
- 12. REMOVAL OF ALL TREE PROTECTION FENCING, SILT FENCING AND SIGNAGE WILL BE DONE BY THE GENERAL CONTRACTOR WHEN PERMITTED BY THE LOCAL CODE ENFORCEMENT OFFICIALS. RESTORATION OF ALL AREAS DISTURBED BY THE FENCING AND/OR SIGNAGE WILL BE THE GENERAL CONTRACTOR'S RESPONSIBILITY.

DEMOLITION NOTES

- 1. ALL MATERIALS BEING REMOVED AND NOT RELOCATED UNDER THE NEW CONSTRUCTION, INCLUDING TREES AND SHRUBS, SIGNS, UTILITY STRUCTURES, LIGHTING STANDARDS, ETC., SHALL BE FIRST OFFERED TO THE OWNER'S REPRESENTATIVE AND IF NOT ACCEPTED SHALL THEN BE PROPERLY DISPOSED OF BY THE CONTRACTOR.
- 2. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL CHARTED AND UNCHARTED UTILITIES. TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN OR REQUIRED TO REMAIN IN SERVICE UNTIL REPLACEMENT. REPAIR ANY DAMAGE ACCORDING TO LOCAL STANDARDS AND AT THE CONTRACTOR'S EXPENSE. COORDINATE ALL CONSTRUCTION WITH THE APPROPRIATE UTILITY COMPANY.
- 3. THE CONTRACTOR SHALL VERIFY THE LIMITS OF DEMOLITION WITH THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCEMENT OF WORK.
- 4. IN AREAS WHERE EXISTING PAVEMENT, WALKS, OR CURBS ARE TO BE REMOVED, SAW CUT TO PROVIDE A CLEAN EDGE. COORDINATE EXTENT OF PAVEMENT DEMOLITION WITH THE LIMIT OF NEW IMPROVEMENTS ON THE SITE LAYOUT PLAN & UTILITY INSTALLATION.
- 5. CONTRACTOR SHALL COORDINATE PHASING OF THE DEMOLITION WITH THE OWNER'S REPRESENTATIVE AND LOCAL GOVERNING AGENCY PRIOR TO BEGINNING WORK. DISRUPTION OF EXISTING UTILITY SERVICES AND TRAFFIC PATTERNS SHALL BE MINIMIZED TO THE EXTENT POSSIBLE AND INITIATED ONLY AFTER APPROVAL BY THE LOCAL GOVERNING AGENCY AND THE UTILITY COMPANIES.
- 6. CAVITIES LEFT BY STRUCTURE REMOVAL SHALL BE SUITABLY BACKFILLED AND COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS.
- 7. THE CONTRACTOR SHALL USE WATER SPRINKLING AND OTHER SUITABLE METHODS AS NECESSARY TO CONTROL DUST AND DIRT CAUSED BY THE DEMOLITION WORK.
- 8. THE CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION AND REMOVAL NECESSARY TO ACCOMPLISH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.
- 9. THE CONTRACTOR SHALL PRESERVE AND PROTECT SURVEY CONTROL POINTS AND SHALL BE RESPONSIBLE FOR REPLACEMENT OF ANY DISTURBED CONTROL POINTS.
- 10. RELOCATION OF EXISTING PLANT MATERIALS SHALL BE COORDINATED WITH THE OWNER AND RELOCATED TO A DESIGNATED AREA ON SITE.
- 11. EXISTING TREES TO BE PRESERVED ARE TO BE BARRICADED BEFORE BEGINNING CONSTRUCTION IN ACCORDANCE WITH THE TREE PROTECTION NOTES.
- AND ARE PLACED INTO OPERATION.
- 13. THE CONTRACTOR SHALL INCORPORATE INTO THEIR WORK ANY ISOLATION VALVES OR TEMPORARY PLUGS REQUIRED TO CONSTRUCT NEW UTILITY LINES AND DEMOLISH EXISTING UTILITY LINES.
- 14. SELECTIVE CLEARING CONSISTING OF REMOVAL OF VINES, SAPLINGS UNDER 1" DIAMETER AND UNDERBRUSH SHALL BE PERFORMED IN TREE PRESERVATION AREAS INTERNAL TO THE PROJECT AND NOTED ON PLANS.
- 15. WHERE WATER LINE AND SEWER LINE ABANDONMENT IS PLANNED, THE CONTRACTOR MAY ABANDON WATER LINES AND SEWER LINES IN PLACE WHERE THEY OCCUR AT LEAST 24" (TO TOP OF PIPE) BELOW FINAL SUBGRADE ELEVATIONS AND OUTSIDE THE BUILDING FOOT PRINT. ALL UTILITY LINES BEING ABANDONED IN PLACE SHALL HAVE ALL ENDS PERMANENTLY CLOSED USING A CONCRETE PLUG.
- 16. WHERE EXISTING IRRIGATION LINES LIE WITHIN THE AREA AFFECTED BY THE PROPOSED CONSTRUCTION, THE CONTRACTOR SHALL REWORK THE EXISTING IRRIGATION SYSTEMS IN ACCORDANCE WITH DIRECTIVES NOTED ON THE LANDSCAPE PLAN. SERVICE SHALL BE MAINTAINED DURING CONSTRUCTION TO THE LANDSCAPED AREAS CURRENTLY IRRIGATED.

SITE LAYOUT NOTES

- 1. THE SITE LAYOUT IS BASED ON REFERENCE POINTS AS NOTED.
- 2. THE PROPOSED BUILDING SHALL BE LAID OUT UTILIZING THE EXISTING STRUCTURE AS A CONTROL POINT AND THE ARCHITECTURAL DRAWINGS. DIMENSIONS SHOWN TO THE PROPOSED BUILDING ARE CALCULATED TO THE FACE OF EXTERIOR WALL. SEE ARCHITECTURAL PLANS FOR EXACT BUILDING DIMENSIONS.
- 3. DIMENSIONS ARE TO FACE OF CURB AND/OR EXTERIOR FACE OF BUILDING UNLESS OTHERWISE NOTED.
- 4. PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING PAVEMENT AND NEW PAVEMENT. SLIGHT FIELD ADJUSTMENT OF FINAL GRADES MAY BE NECESSARY.
- 5. THE CONTRACTOR WILL BE REQUIRED TO ADJUST GRADES OF INTERSECTING STREETS, ALLEYS, PUBLIC ENTRANCES AND PRIVATE DRIVES AS DIRECTED BY THE ENGINEER.
- 6. ALL CURBING WILL BE REQUIRED TO ADJUST TO THE GRADES OF INTERSECTING STREETS, ALLEYS, PUBLIC ENTRANCES, AND PRIVATE DRIVES AS DIRECTED BY THE ENGINEER.
- 7. CURBS SHALL BE PARALLEL TO THE CENTERLINE OF DRIVES. THE CURB SHALL BE PLACED ONLY AFTER HAVING ALL BREAK POINTS (PC & PT OF CURVES) LOCATED AT THE FACE OF CURB OR AT A CONSISTENT OFFSET BY A REGISTERED LAND SURVEYOR.
- 8. ACCESSIBLE RAMPS SHALL HAVE A MAXIMUM SLOPE OF 1 HORIZONTAL : 12 VERITCAL. GRADES WITHIN ACCESSIBLE PARKING SPACES SHALL BE MAXIMUM 2% IN ALL DIRECTIONS.
- CONCRETE FOR CURBS AND SIDEWALKS SHALL BE 3500 PSI CONCRETE.
- 10. THE CONTRACTOR SHALL COLD PLANE IN THE DIRECTION OF TRAFFIC.
- 11. THE CONTRACTOR SHALL PAVE IN THE DIRECTION OF TRAFFIC.

9. PROVIDE WATERING OF SPECIMEN TREES DURING CONSTRUCTION WHEN PERIODS OF DROUGHT EXCEED SEVEN DAYS. UTILIZE OSCILLATING TYPE SPRINKLERS TO COVER ENTIRE PROTECTED ROOT ZONE FOR FOUR

12. NO UTILITY OR STORM SEWER LINES SHALL BE DEMOLISHED UNTIL THE NEW LINES HAVE BEEN INSTALLED

SITE GRADING & DRAINAGE NOTES

- 1. THE CONTRACTOR SHALL CHECK ALL EXISTING GRADES AND DIMENSIONS IN THE FIELD PRIOR TO BEGINNING WORK AND REPORT ANY DISCREPANCIES TO THE ENGINEER.
- 2. THE CONTRACTOR SHALL ADJUST THE CASTINGS OF ALL NEW AND EXISTING STRUCTURES TO MATCH PROPOSED FINISH GRADES.
- PROPOSED CONTOUR LINES AND SPOT ELEVATIONS ARE THE RESULT OF AN ENGINEERED GRADING DESIGN AND REFLECT A PLANNED INTENT WITH REGARD TO DRAINAGE AND MOVEMENT OF MATERIALS. SHOULD THE CONTRACTOR HAVE ANY QUESTION OF THE INTENT OR ANY PROBLEM WITH THE CONTINUITY OF GRADES, THE ENGINEER SHALL BE CONTACTED IMMEDIATELY.
- 4. ALL CUT AND FILL SLOPES SHALL BE 3 HORIZONTAL TO 1 VERTICAL OR FLATTER UNLESS OTHERWISE INDICATED ON THE PLANS.
- 5. ALL PIPES UNDER EXISTING PAVED AREAS SHALL BE BACKFILLED TO THE TOP OF SUBGRADE WITH CRUSHED STONE.
- 6. MINIMUM GRADE ON ASPHALT OR CONCRETE PAVING SHALL BE 1.0%.
- 7. IF ANY SPRINGS OR UNDERGROUND STREAMS ARE EXPOSED DURING CONSTRUCTION PERMANENT FRENCH DRAINS MAY BE REQUIRED. THE DRAINS SHALL BE SPECIFIED AND LOCATED DURING CONSTRUCTION AS REQUIRED BY THE CONDITIONS WHICH ARE ENCOUNTERED, AND SHALL BE APPROVED BY THE ENGINEER.
- 8. THIS GRADING & DRAINAGE PLAN IS NOT A DETERMINATION OR GUARANTEE OF THE SUITABILITY OF THE SUBSURFACE CONDITIONS FOR THE WORK INDICATED. A GEOTECHNICAL REPORT HAS BEEN PREPARED AND IS AVAILABLE FROM THE OWNER. DETERMINATION OF THE SUITABILITY OF THE SUBSURFACE CONDITIONS FOR THE WORK INDICATED IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
- 9. THE CONTRACTOR SHALL TAKE SPECIAL CARE TO COMPACT FILL SUFFICIENTLY AROUND AND OVER ALL PIPES, STRUCTURES, VALVE STEMS, ETC., INSIDE THE PROPOSED PAVED AREAS TO AVOID SETTLEMENT. ANY SETTLEMENT DURING THE WARRANTY PERIOD SHALL BE RESTORED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- 10. IN NO CASE SHALL SLOPE, HEIGHT, SLOPE INCLINATION, OR EXCAVATION DEPTH, INCLUDING TRENCH CONSTRUCTION, EXCEED THOSE SPECIFIED IN LOCAL, STATE AND FEDERAL REGULATIONS, SPECIFICALLY THE CURRENT OSHA HEALTH AND SAFETY STANDARDS FOR EXCAVATIONS (29 CRF PART 1926) SHALL BE FOLLOWED.
- 11. DO NOT DISTURB VEGETATION OR REMOVE TREES EXCEPT WHEN NECESSARY FOR GRADING PURPOSES.
- 12. STRIP TOPSOIL FROM ALL CUT AND FILL AREAS AND STOCKPILE UPON COMPLETION OF GENERAL GRADING OVER ALL DISTURBED AREAS, TO A MINIMUM DEPTH OF 6". CONTRACTOR SHALL SUPPLY ADDITIONAL TOP SOIL IF INSUFFICIENT QUANTITIES EXIST ON SITE.
- 13. TOP OF GRATE ELEVATIONS AND LOCATION OF COORDINATES FOR DRAINAGE STRUCTURES SHALL BE AS SHOWN ON THE DETAIL, UNLESS NOTED OTHERWISE. THE GRATES SHALL SLOPE LONGITUDINALLY WITH THE PAVEMENT GRADES.
- 14. ALL DRAINAGE CONSTRUCTION INSTALLATION SHALL CONFORM TO THE REQUIREMENTS AND SPECIFICATIONS OF THE LOCAL GOVERNING AGENCY.
- 15. POSITIVE DRAINAGE SHALL BE ESTABLISHED AS THE FIRST ORDER OF WORK AND SHALL BE MAINTAINED AT ALL TIMES DURING AND AFTER CONSTRUCTION. SOIL SOFTENED BY PERCHED WATER IN FOUNDATION AND PAVEMENT AREAS MUST BE UNDERCUT AND REPLACED WITH SUITABLE FILL MATERIALS APPROVED BY THE GEOTECHNICAL ENGINEER. GROUNDWATER INFILTRATION INTO EXCAVATIONS SHOULD BE EXPECTED, AND THE WATER SHALL BE REMOVED USING GRAVITY DRAINAGE OR PUMPING.
- 16. REINFORCED CONCRETE STORM DRAINAGE PIPE SHALL BE CLASS III, WALL "B". HDPE SHALL BE CORRUGATED, SMOOTH WALL N-12 PIPE WITH SOIL TIGHT JOINTS.
- 17. FILL SLOPES 3 HORIZONTAL :1 VERTICAL AND GREATER SHALL BE PLACED AND COMPACTED 5' BEYOND PROPOSED LIMITS AND THEN EXCAVATED BACK TO THE PROPOSED LOCATION.
- 18. THE CONTRACTOR SHALL PROVIDE AN ASBUILT SURVEY STAMPED BY A LICENSED SURVEYOR IN THE STATE OF TENNESSEE OF ALL STORM SYSTEMS, ONSITE DETENTION PONDS, AND WATER QUALITY MEASURES VERIFYING COMPLIANCE WITH DESIGN DOCUMENTS.
- 19. THE LOCATION OF ALL DIVERSION SWALES AND DITCHES SHALL BE FIELD ADJUSTED TO AVOID TREES AS POSSIBLE. THE CONTRACTOR SHALL WALK THE ALIGNMENT OF THESE SWALES AND DITCHES IN THE FIELD TO VERIFY AVOIDANCE OF TREES. AND NOTIFY THE OWNERS REPRESENTATIVE OF SWALE WALK.
- 20. STOCKPILED TOPSOIL OR FILL MATERIAL IS TO BE TREATED SO THE SEDIMENT RUN-OFF WILL NOT CONTAMINATE SURROUNDING AREAS OR ENTER NEARBY STREAMS.
- 21. ANY SITE USED FOR DISPOSAL AND/OR STOCKPILE OF ANY MATERIAL SHALL BE PROPERLY PERMITTED FOR SUCH ACTIVITY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SEE THAT ALL REQUIRED PERMITS ARE SECURED FOR EACH PROPERTY UTILIZED. A COPY OF THE APPROVED PERMIT MUST BE PROVIDED TO THE INSPECTOR PRIOR TO COMMENCEMENT OF WORK ON ANY PROPERTY. FAILURE TO DO SO MAY RESULT IN THE CONTRACTOR REMOVING ANY ILLEGALLY PLACED MATERIAL AT HIS OWN EXPENSE.
- 22. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO WASTE EXCESS EARTH MATERIAL OFF SITE AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR SHALL FIRST OFFER THE EXCESS MATERIAL TO THE OWNER. IF NOT ACCEPTED BY THE OWNER, THE CONTRACTOR SHALL DISPOSE OF EARTH MATERIAL OFF SITE. IT SHALL ALSO BE THE CONTRACTOR'S RESPONSIBILITY TO IMPORT SUITABLE MATERIAL (AT NO ADDITIONAL COST TO THE OWNER) FOR EARTHWORK OPERATIONS IF SUFFICIENT AMOUNTS OF EARTH MATERIAL ARE NOT AVAILABLE ON SITE.
- 23. SEGMENTAL WALLS SHALL BE PROVIDED BY THE CONTRACTOR AS A DESIGN BUILD. WALL DESIGN PLANS STAMPED BY A REGISTERED ENGINEER IN THE STATE OF THE PROJECT SHALL BE SUBMITTED TO THE ENGINEER AS A SHOP DRAWING. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY GEOTECHNICAL INFORMATION NECESSARY TO PROPERLY DESIGN THE WALL.

GEOTECHINCAL NOTES

- 1. A GEOTECHNICAL REPORT FOR THE SITE HAS NOT BEEN PREPARED.
- 2. ALL FILL MATERIAL SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT. THIS MATERIAL SHALL BE PLACED IN LIFTS DIRECTED BY THE GEOTECHNICAL ENGINEER AND COMPACTED AS SPECIFIED BY THE GEOTECHNICAL ENGINEER.
- 3. WHERE DRAINAGE OR UTILITY LINES OCCUR IN PROPOSED FILL AREAS, THE FILL MATERIAL IS TO BE PLACED AND COMPACTED PRIOR TO INSTALLATION OF DRAINAGE OR UTILITY LINES. FILL IS TO BE INSPECTED BY A PROFESSIONAL GEOTECHNICAL ENGINEER TESTING FIRM EMPLOYED BY THE OWNER. RESULTS OF THE TEST SHALL BE FURNISHED TO THE OWNER'S REPRESENTATIVE. CONTRACTOR TO PAY FOR ANY RETESTING.
- 4. THE CONTRACTOR SHALL TAKE SPECIAL CARE TO COMPACT FILL SUFFICIENTLY AROUND AND OVER ALL PIPES, STRUCTURES, VALVE STEMS, ETC., INSIDE THE PROPOSED PAVED AREAS TO AVOID SETTLEMENT. ANY SETTLEMENT DURING THE WARRANTY PERIOD SHALL BE RESTORED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- 5. ALL EARTHWORK, INCLUDING THE EXCAVATED SUBGRADE AND EACH LAYER OF FILL, SHALL BE MONITORED AND APPROVED BY A QUALIFIED GEOTECHNICAL ENGINEER, OR HIS REPRESENTATIVE.

SITE UTILITY NOTES

- 1. THE SANITARY SEWER SHALL BE OF THE MATERIAL INDICATED ON THE PLAN. POLYVINYLCHLORIDE (PVC) SHALL BE (SDR35). DUCTILE IRON PIPE (D.I.P.) SHALL BE CLASS 52.
- 2. ALL WATER LINES, SEWER LINES, AND APPURTENANCES SHALL BE OF MATERIALS AND CONSTRUCTION THAT CONFORM TO THE LOCAL AGENCY STANDARDS AND SPECIFICATIONS.
- 3. PROVIDE A MINIMUM 36/24" OF COVER OVER ALL WATER LINES.
- 4. THE CONTRACTOR SHALL MAINTAIN 10 FEET HORIZONTAL SEPARATION BETWEEN SANITARY SEWER LINES AND WATER LINES. WHERE THESE CRITERIA CANNOT BE MET, THE CONTRACTOR SHALL MAINTAIN 18" VERTICAL SEPARATION BETWEEN WATER AND SEWER LINES.
- 5. THE CONTRACTOR SHALL FIELD VERIFY THE EXACT HORIZONTAL AND VERTICAL LOCATION OF EXISTING MANHOLES OR SANITARY SEWER LINES AT THE POINT OF CONNECTION PRIOR TO THE COMMENCEMENT OF ORDERING OF MATERIALS, CONSTRUCTION OR REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE SEQUENCING OF CONSTRUCTION FOR ALL UTILITY LINES SO THAT WATER LINES DO NOT CONFLICT WITH SANITARY SEWERS, SANITARY SEWER SERVICES, STORM SEWERS, OR ANY OTHER UTILITY OR STRUCTURE, EXISTING OR PROPOSED.
- 7. THE LOCATION OF EXISTING UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL NOTIFY EACH INDIVIDUAL UTILITY OWNER OF HIS PLAN OF OPERATION IN THE AREA OF THE UTILITIES. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL CONTACT THE UTILITY OWNERS AND REQUEST THEM TO PROPERLY LOCATE THEIR RESPECTIVE UTILITY ON THE GROUND. THIS NOTIFICATION SHALL BE GIVEN AT LEAST THREE (3) BUSINESS DAYS PRIOR TO COMMENCEMENT OF OPERATIONS AROUND THE UTILITY.
- 8. BEFORE CONNECTIONS ARE MADE INTO EXISTING UTILITIES, THE NEW LINES ARE TO BE FLUSHED AND TESTED BY THE CONTRACTOR IN ACCORDANCE WITH THE LOCAL WATER AND SEWER DEPARTMENT SPECIFICATIONS.
- 9. ALL TRENCHES CUT IN EXISTING ROADS OR DRIVES SHALL UTILIZE A CLEAN SAW CUT AND SHALL BE BACKFIELD (100%) TO FINAL SUBGRADE WITH #57 STONE. REPAIR ROADS PER LOCAL AGENCY REQUIREMENTS.
- 10. REPAIR ALL DAMAGE TO EXISTING FEATURES (i.e. DRIVES, ROADS, YARDS, LANDSCAPING, ETC...) TO PRE-CONSTRUCTION CONDITION.
- 11. THE CONTRACTOR SHALL PROVIDE ALL HORIZONTAL AND VERTICAL BENDS TO ATTAIN THE ALIGNMENT INDICATED ON THE PLANS. PROVIDE VERTICAL BENDS WHERE NECESSARY TO ALLOW WATER LINES TO PASS UNDER OR OVER OTHER UTILITY LINES. (ALL BENDS AND BRACES NEEDED MAY NOT BE ACTUALLY SHOWN). PROVIDE BRACING AND/OR RODDING AT ALL BENDS AND TEES AS REQUIRED BY WATER DEPARTMENT.
- 12. REDUCED PRESSURE BACKFLOW PREVENTER (RPBP) OR DUAL CHECK WILL BE REQUIRED ON ALL TESTS AND FILL LINES (JUMPER) NEEDED FOR WATER MAIN CONSTRUCTION AND MUST BE APPROVED BY THE WATER DEPARTMENT.
- 13. COORDINATE THE EXACT LOCATION OF ALL UTILITIES ENTERING THE BUILDING WITH THE PLUMBING PLANS.
- 14. THE CONTRACTOR SHALL VERIFY REQUIRED PIPE LENGTHS. EXISTING PIPE MATERIAL AND SIZES AS SHOWN ON PLANS.
- 15. REPAIR EXISTING PAVEMENT, CURBS, WALKS, LANDSCAPING, ETC. THAT ARE DAMAGED BY CONSTRUCTION ACTIVITIES TO A LIKE NEW CONDITION AT NO ADDITIONAL COST TO THE OWNER.
- 16. THE PROPOSED GAS LINE CONSTRUCTION AND INSTALLATION SHALL BE COORDINATED WITH THE LOCAL GAS COMPANY BY THE CONTRACTOR.
- 17. THE PROPOSED ELECTRIC LINE CONSTRUCTION AND INSTALLATION SHALL BE COORDINATED WITH THE LOCAL ELECTRIC COMPANY BY THE CONTRACTOR.
- 18. THE PROPOSED COMMUNICATION LINE CONSTRUCTION AND INSTALLATION SHALL BE COORDINATED WITH THE LOCAL COMMUNICATION SERVICE PROVIDER BY THE CONTRACTOR.
- 19. THE CONTRACTOR SHALL ADJUST THE ALIGNMENT OF THE WATER LINES (HORIZONTALLY AND/OR VERTICALLY) TO ALLOW THE REQUIRED BRACING AT BENDS AND TEES.
- 20. EXISTING CASTINGS LOCATED IN FILL/CUT AREAS SHALL BE ADJUSTED TO ENSURE THAT THE TOP OF CASTING IS FLUSH WITH THE FINISHED GRADE.
- 21. THE OUTSIDE OF ALL MANHOLES SHALL BE COATED WITH BITUMINOUS PAINT
- 22. THE CONTRACTOR WILL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED TO WORK OVER AND AROUND THE UTILITIES, THE CONTRACTOR WILL BE REQUIRED TO FURNISH SUCH EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER.
- 23. PRIOR TO SUBMITTING HIS BID, THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR CONTACTING OWNERS OF ALL AFFECTED UTILITIES IN ORDER TO DETERMINE THE EXTENT TO WHICH UTILITY RELOCATIONS AND/OR ADJUSTMENTS WILL HAVE UPON THE SCHEDULE OF WORK FOR THE PROJECT. WHILE SOME WORK MAY BE REQUIRED 'AROUND' UTILITY FACILITIES THAT WILL REMAIN IN PLACE, OTHER UTILITY FACILITIES MAY NEED TO BE ADJUSTED CONCURRENTLY WITH THE CONTRACTOR'S OPERATIONS.
- 24. ALL CONNECTIONS TO EXISTING MANHOLES SHALL BE BY THE CORING AND RESILIENT SEAL METHOD.
- 25. FIRE HYDRANT ASSEMBLIES INCLUDE THE APPROPRIATE SIZED TEE (WITH KICKER), 6" LINE TO HYDRANT, 6" GATE VALVE (WITH VALVE BOX), AND FIRE HYDRANT (WITH KICKER). HYDRANTS SHALL BE INSTALLED AT LOCATIONS SHOWN ON THE PLANS.
- 26. THE CONCRETE CAPS AND ENCASEMENTS ON WATER AND SEWER LINES SHALL BE A MINIMUM OF 6" THICK. USE 3000 PSI CONCRETE.
- 27. CONTRACTOR SHALL MARK THE LOCATION OF ALL NEW PVC LINES WITH #8 WIRE.
- 28. BACKFLOW PREVENTION DEVICE FOR THE DOMESTIC WATER SERVICE SHALL BE LOCATED INSIDE THE BUILDING, SEE PLUMBING PLANS.
- 29. SIAMESE STAND PIPE TO BE GALVANIZED STEEL.
- 30. SEWER SERVICES TO BE 6" DIAMETER PVC AT A MINIMUM SLOPE OF 1.0% UNLESS SHOWN OTHERWISE ON THE DRAWINGS. LINES SHALL START 5' BEYOND THE BUILDINGS. COORDINATE CONNECTION POINTS WITH THE BUILDING PLUMBING DRAWINGS. PROVIDE A MINIMUM 30" OF COVER OVER ALL SEWER SERVICES IN GRASS AREAS AND 48" OF COVER IN PAVED AREAS.
- 31. ALL FIRE LINES SHALL BE INSTALLED BY A SPRINKLER CONTRACTOR LICENSED IN THE STATE OF THE PROJECT.
- 32. THE CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF THE STORM DRAIN CONNECTIONS AT THE BUILDING WITH THE PLUMBING PLANS
- 33. EXISTING PAVEMENT OF PUBLIC ROADWAYS SHALL BE PATCHED IN ACCORDANCE WITH LOCAL AGENCY STANDARDS WHEREVER UTILITY INSTALLATION REQUIRES REMOVAL OF THE EXISTING PAVEMENT. COORDINATE PAVEMENT TRENCHING LOCATIONS WITH SITE CIVIL, PLUMBING AND ELECTRICAL PLANS.
- 34. THE CONTRACTOR SHALL PROVIDE AN AS-BUILT SURVEY STAMPED BY A LICENSED SURVEYOR IN THE STATE OF [PROJECT STATE] OF ALL SANITARY SEWER AND WATER PROJECT ELEMENTS, VERIFYING COMPLIANCE WITH THE DESIGN DOCUMENTS. THE CONTRACTOR SHALL ALSO CONFER WITH THE LOCAL GOVERNING AGENCY PRIOR TO THE BEGINNING OF CONSTRUCTION TO DETERMINE WHAT CLOSEOUT DOCUMENTS THEY MAY REQUIRE (SPECIFIC AS-BUILT REQUIREMENTS, TESTS, REPORTS, INSPECTIONS, ETC.).

RESIDENTIAL UTILITY NOTES

- 1. WATER METERS SHALL BE AT LEAST 22" BUT NO MORE THAN 26" FROM TOP OF METER TO PROPOSED FINISHED GRADE.
- 2. WATER SERVICES SHALL BE $\frac{3}{4}$ " TYPE K COPPER AND SHALL INCLUDE CORPORATION STOPS, CURB STOPS, PRESENT METER BOX AND ALL OTHER FITTINGS AS REQUIRED BY LOCAL DEPARTMENT.
- 3. ALL SANITARY SEWER SERVICES SHALL BE 6" DIAMETER AND EXTEND 10 FEET BEYOND THE PROPERTY LINE.
- 4. ALL PROPOSED LOT CORNERS SHALL BE FIELD STAKED PRIOR TO CONSTRUCTION OF SANITARY SEWERS. CONTROL POINTS ARE AS SHOWN ON THE SITE LAYOUT PLAN.



6515 NIGHTINGALE LANE KNOXVILLE, TN 37909 (865) 934-6023

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EROSION CONTROL KEYNOTES

CODEDESCRIPTIONDET #/SHT #EC1TEMPORARY CONSTRUCTION ENTRANCE1/C3.3EC2SILT FENCE2/C3.3EC3INLET PROTECTION3/C3.3



SITE DESCRIPTION AND NOTES:

THE SITE IS LOCATED ON PARCEL 095HC003, 095HC00201, 095HC016, 095HC015, 095HC017 IN KNOXVILLE, KNOX COUNTY, TENNESSEE. CONSTRUCTION ACTIVITY ON THIS SITE WILL CONSIST OF DISTURBING APPROXIMATELY 1.54± ACRES TO CONSTRUCT AUSTIN HOMES BRIDGE CROSSING.

- 1. APPROXIMATE CONSTRUCTION TIME TABLE:

 BEGIN CONSTRUCTION

 [NOVEMBER 2022]

 COMPLETE CONSTRUCTION

 [NOVEMBER 2023]
- 1. CONSTRUCTION SEQUENCE:
- A. ATTEND PRE-CONSTRUCTION MEETING.
- B. INSTALL CONSTRUCTION ENTRANCE AND PERIMETER CONTROL MEASURES.
- C. CONTACT LOCAL ENVIRONMENTAL AGENCY EROSION CONTROL INSPECTOR FOR INSPECTION OF EROSION CONTROL DEVICES TO OBTAIN GRADING PERMIT.
- D. CLEAR AND GRUB THE REMAINING SITE.
- E. CONSTRUCT REMAINING SITE ACCORDING TO APPROVED PLANS, INCLUDING ALL ADDITIONAL EROSION CONTROL DEVICES.
- F. UPON PERMANENT SITE STABILIZATION APPLY PERMANENT CONTROL MEASURES.
- G. REMOVE ALL TEMPORARY EROSION CONTROL DEVICES PRIOR TO AS-BUILT APPROVALS.
- 3. TOTAL PROJECT AREA = 1,002,000 SF (23± AC.) DISTURBED AREA = 67,000 SF S.F. (1.54± AC.)
- 4. SEE SHEET C2.0 FOR GENERAL CONSTRUCTION NOTES AND C3.3 FOR EROSION CONTROL NOTES.

EROSION CONTROL NOTES:

- 1. EROSION PREVENTION AND SEDIMENT CONTROL MEASURES MUST BE IN PLACE AND FUNCTIONAL BEFORE EARTH MOVING OPERATION BEGINS AND MUST BE CONSTRUCTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. TEMPORARY MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORKDAY BUT MUST BE REPLACED AT THE END OF THE WORKDAY.
- THE FOLLOWING RECORDS SHALL BE MAINTAINED ON OR NEAR SITE: THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR; THE DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE; THE DATES WHEN STABILIZATION MEASURES ARE INITIATED; INSPECTION RECORDS AND RAINFALL RECORDS.
- 3. THE CONTRACTOR SHALL MAINTAIN A RAIN GAUGE AND DAILY RAINFALL RECORDS AT THE SITE OR USE A REFERENCE SITE FOR A RECORD OF DAILY AMOUNT OF PRECIPITATION.
- 4. PRE-CONSTRUCTION VEGETATIVE GROUND COVER SHALL NOT BE DESTROYED, REMOVED OR DISTURBED MORE THAN 10 DAYS PRIOR TO GRADING OR EARTH MOVING UNLESS THE AREA IS SEEDED AND/OR MULCHED OR OTHER TEMPORARY COVER IS INSTALLED.
- 5. CONSTRUCTION MUST BE SEQUENCED TO MINIMIZE THE EXPOSURE TIME OF GRADED OR DENUDED AREAS.
- 6. SEDIMENT SHOULD BE REMOVED FROM SEDIMENT TRAPS, SILT FENCES, SEDIMENTATION PONDS AND OTHER SEDIMENT CONTROLS AS NECESSARY AND MUST BE REMOVED WHEN DESIGN CAPACITY HAS BEEN REDUCED BY 50% OR AS DIRECTED BY OWNERS REPRESENTATIVE.
- 7. THE CONTRACTOR SHALL REMOVE SEDIMENT FROM ALL DRAINAGE STRUCTURES BEFORE ACCEPTANCE BY LOCAL GOVERNING AGENCY OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
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| EROSION CONTROL KEYNOTES | | | |
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| CODE | DESCRIPTION | DET #/SHT # | |
| EC1 | TEMPORARY CONSTRUCTION ENTRANCE | 1/C3.3 | |
| EC2 | SILT FENCE | 2/C3.3 | |
| EC3 | INLET PROTECTION | 3/C3.3 | |



KNOXVILLE, TN 37909 (865) 934-6023

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THE SITE IS LOCATED ON TAX MAP TAX MAP, PARCEL 095HC003, 095HC00201, 095HC016, 095HC015, 095HC017 IN KNOXVILLE, KNOX COUNTY, TENNESSEE. CONSTRUCTION ACTIVITY ON THIS SITE WILL CONSIST OF DISTURBING APPROXIMATELY 1.54± ACRES TO CONSTRUCT BRIDGE CROSSING.

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GRAPHIC SCALE (IN FEET) VERTICAL DATUM: NAVD 88 HORIZONTAL DATUM: NAD 83/27

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DRAWING NUMBER

216662





EROSION CONTROL KEYNOTES

CODEDESCRIPTIONDET #/SHT #EC1TEMPORARY CONSTRUCTION ENTRANCE1/C3.3EC2SILT FENCE2/C3.3EC3INLET PROTECTION3/C3.3



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- INSPECTIONS.
- MEASURES, LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE, AND EACH OUTFALL.
- ENSURE THAT THEY ARE OPERATING CORRECTLY.
- NEXT RAIN EVENT, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE NEED IS IDENTIFIED.
- PERMIT.
- APPLICABLE ACTS OR RULES.
- PRIMARY PERMITTEE.

SITE ASSESSMENT NOTES

- A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC) OR LOCAL ENVIRONMENTAL AGENCY.
- ACREAGE OF SUCH PORTION OF THE SITE.
- AGENCY CODES AND REGULATIONS.
- PERFORMING THE SITE ASSESSMENT AND THE FOLLOWING CERTIFICATION:

"I CERTIFY UNDER PENALTY OF LAW THAT THIS REPORT AND ALL ATTACHMENTS ARE, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS."

- REQUIREMENT.
- HAVE POTENTIAL OF CAUSING POLLUTION TO THE WATERS OF THE STATE.

NOTE:

CONTRACTOR SHALL INSTALL A 4'X4' WEATHER PROOF SIGN (6' HEIGHT) AT THE MAIN CONSTRUCTION ENTRANCE. THE SIGN SHALL HAVE THE FOLLOWING INFORMATION:

- 1. A COPY OF THE NOTICE OF COVERAGE WITH THE NPDES PERMIT NUMBER (FURNISHED BY ENGINEER).
- 2. THE NAME AND TELEPHONE NUMBER OF A LOCAL CONTACT PERSON (FURNISHED BY CONSTRUCTION MANAGER).
- 3. DESCRIPTION OF PROJECT (FURNISHED BY CONSTRUCTION MANAGER).

SCHEDULE OF INSPECTIONS AND MAINTENANCE NOTES

1. INSPECTIONS DESCRIBED IN PARAGRAPHS 2, 3 AND 4 BELOW, SHALL BE PERFORMED AT LEAST TWICE EVERY CALENDAR WEEK. INSPECTIONS SHALL BE PERFORMED AT LEAST 72 HOURS APART. WHERE SITES OR PORTION(S) OF CONSTRUCTION SITES HAVE BEEN TEMPORARILY STABILIZED, OR RUNOFF IS UNLIKELY DUE TO WINTER CONDITIONS (E.G., SITE COVERED WITH SNOW OR ICE) OR DUE TO EXTREME DROUGHT, SUCH INSPECTION ONLY HAS TO BE CONDUCTED ONCE PER MONTH UNTIL THAWING OR PRECIPITATION RESULTS IN RUNOFF OR CONSTRUCTION ACTIVITY RESUMES. INSPECTION REQUIREMENTS DO NOT APPLY TO DEFINABLE AREAS THAT HAVE BEEN FINALLY STABILIZED. WRITTEN NOTIFICATION OF THE INTENT TO CHANGE THE INSPECTION FREQUENCY AND THE JUSTIFICATION FOR SUCH REQUEST MUST BE SUBMITTED TO THE LOCAL ENVIRONMENTAL FIELD OFFICE. SHOULD ENVIRONMENTAL GOVERNING AGENCY DISCOVER THAT MONTHLY INSPECTIONS OF THE SITE ARE NOT APPROPRIATE DUE TO INSUFFICIENT STABILIZATION MEASURES OR OTHERWISE, TWICE WEEKLY INSPECTIONS SHALL RESUME. ENVIRONMENTAL GOVERNING AGENCY MAY INSPECT THE SITE TO CONFIRM OR DENY THE NOTIFICATION TO CONDUCT MONTHLY

QUALIFIED PERSONNEL (PROVIDED BY THE PERMITTEE OR COOPERATIVELY BY MULTIPLE PERMITTEES) SHALL INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN FINALLY STABILIZED, AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION, STRUCTURAL CONTROL

DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE SITE'S DRAINAGE SYSTEM. EROSION PREVENTION AND SEDIMENT CONTROL MEASURES SHALL BE OBSERVED TO

4. OUTFALL POINTS (WHERE DISCHARGES LEAVE THE SITE AND/OR ENTER WATERS OF THE STATE) SHALL BE INSPECTED TO DETERMINE WHETHER EROSION PREVENTION AND SEDIMENT CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS. WHERE DISCHARGE LOCATIONS ARE INACCESSIBLE, NEARBY DOWNSTREAM LOCATIONS SHALL BE INSPECTED. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFFSITE SEDIMENT TRACKING.

5. BASED ON THE RESULTS OF THE INSPECTION, ANY INADEQUATE CONTROL MEASURES OR CONTROL MEASURES IN DISREPAIR SHALL BE REPLACED OR MODIFIED, OR REPAIRED AS NECESSARY, BEFORE THE

6. BASED ON THE RESULTS OF THE INSPECTION, THE SITE DESCRIPTION AND POLLUTION PREVENTION MEASURES IDENTIFIED IN THIS SWPPP SHALL BE REVISED AS APPROPRIATE, BUT IN NO CASE LATER THAN 7 DAYS FOLLOWING THE INSPECTION. SUCH MODIFICATIONS SHALL PROVIDE FOR TIMELY IMPLEMENTATION OF ANY CHANGES TO THE SWPPP, BUT IN NO CASE LATER THAN 14 DAYS FOLLOWING THE INSPECTION.

7. ALL INSPECTIONS SHALL BE DOCUMENTED ON THE CONSTRUCTION STORMWATER INSPECTION CERTIFICATION FORM PROVIDED IN THE SWPPP REPORT FOR ALL CONSTRUCTION SITES. INSPECTION DOCUMENTATION WILL BE MAINTAINED ON SITE AND MADE AVAILABLE TO ENVIRONMENTAL GOVERNING AGENCY UPON REQUEST. INSPECTION REPORTS MUST BE SUBMITTED TO ENVIRONMENTAL GOVERNING AGENCY WITHIN 10 DAYS OF THE REQUEST. IF ENVIRONMENTAL GOVERNING AGENCY REQUESTS THE CONSTRUCTION STORMWATER INSPECTION CERTIFICATION FORM TO BE SUBMITTED, THE SUBMITTED FORM MUST CONTAIN THE PRINTED NAME AND SIGNATURE OF THE TRAINED CERTIFIED INSPECTOR AND THE PERSON WHO MEETS THE SIGNATORY REQUIREMENTS OF SECTION 7.7.2 OF THE NPDES GENERAL

8. TRAINED CERTIFIED INSPECTORS SHALL COMPLETE INSPECTION DOCUMENTATION TO THE BEST OF THEIR ABILITY. FALSIFYING INSPECTION RECORDS OR OTHER DOCUMENTATION OR FAILURE TO COMPLETE INSPECTION DOCUMENTATION SHALL RESULT IN A VIOLATION OF THIS PERMIT AND ANY OTHER

9. SUBSEQUENT OPERATOR(S) (PRIMARY PERMITTEES) WHO HAVE OBTAINED COVERAGE UNDER THE NPDES GENERAL PERMIT SHOULD CONDUCT TWICE WEEKLY INSPECTIONS, UNLESS THEIR PORTION(S) OF THE SITE HAS BEEN TEMPORARILY STABILIZED, OR RUNOFF IS UNLIKELY DUE TO WINTER CONDITIONS OR DUE TO EXTREME DROUGHT AS STATED IN PARAGRAPH A) ABOVE. THE PRIMARY PERMITTEE IS NO LONGER REQUIRED TO CONDUCT INSPECTIONS OF PORTIONS OF THE SITE THAT ARE COVERED BY A SUBSEQUENT

1. THE SITE ASSESSMENT SHALL BE PERFORMED BY INDIVIDUALS WITH THE FOLLOWING OUALIFICATIONS: A LICENSED PROFESSIONAL ENGINEER OR LANDSCAPE ARCHITECT

 OTHER PERSONNEL WHO MEET THE CERTIFICATION AND TESTING REQUIREMENTS FOR SITE ASSESSMENT OF THE LOCAL ENVIRONMENTAL AGENCY, AND IS IN GOOD STANDING WITH THE

2. QUALITY ASSURANCE OF EROSION PREVENTION AND SEDIMENT CONTROLS SHALL BE DONE BY PERFORMING SITE ASSESSMENT AT A CONSTRUCTION SITE. THE SITE ASSESSMENT SHALL BE CONDUCTED AT EACH OUTFALL INVOLVING DRAINAGE TOTALING 10 OR MORE ACRES OR 5 OR MORE ACRES IF DRAINING TO AN IMPAIRED OR EXCEPTIONAL QUALITY WATERS, WITHIN A MONTH OF CONSTRUCTION COMMENCING AT EACH PORTION OF THE SITE THAT DRAINS THE QUALIFYING

3. AS A MINIMUM, SITE ASSESSMENT SHOULD BE PERFORMED TO VERIFY THE INSTALLATION, FUNCTIONALITY AND PERFORMANCE OF THE EPSC MEASURES DESCRIBED IN THE SWPPP REPORT. THE SITE ASSESSMENT SHOULD BE PERFORMED WITH THE INSPECTOR, AND SHOULD INCLUDE A REVIEW AND UPDATE (IF APPLICABLE) OF THE SWPPP REPORT. MODIFICATIONS OF PLANS AND SPECIFICATIONS FOR ANY BUILDING OR STRUCTURE, INCLUDING THE DESIGN OF SEDIMENT BASINS OR OTHER SEDIMENT CONTROLS INVOLVING STRUCTURAL, HYDRAULIC, HYDROLOGIC OR OTHER ENGINEERING CALCULATIONS SHALL BE PREPARED BY A LICENSED PROFESSIONAL ENGINEER OR LANDSCAPE ARCHITECT AND STAMPED AND CERTIFIED IN ACCORDANCE WITH THE LOCAL ENVIRONMENTAL

4. THE SITE ASSESSMENT FINDINGS SHALL BE DOCUMENTED AND THE DOCUMENTATION KEPT WITH THE SWPPP REPORT AT THE SITE. AT A MINIMUM, THE DOCUMENTATION SHALL INCLUDE INFORMATION INCLUDED IN THE INSPECTION FORM PROVIDED IN APPENDIX D OF THE SWPPP REPORT. THE DOCUMENTATION MUST CONTAIN THE PRINTED NAME AND SIGNATURE OF THE INDIVIDUAL

5. THE SITE ASSESSMENT CAN TAKE THE PLACE OF ONE OF THE TWICE WEEKLY INSPECTIONS

6. LOCAL ENVIRONMENTAL AGENCY MAY REQUIRE ADDITIONAL SITE ASSESSMENT(S) TO BE PERFORMED IF SITE INSPECTION BY LOCAL ENVIRONMENTAL AGENCY PERSONNEL REVEALS SITE CONDITIONS THAT







DEMOLITION KEYNOTES

| | - |
|------|--|
| CODE | DESCRIPTION |
| D1 | REMOVE EXISTING ASPHALT PAVEMENT |
| D2a | REMOVE EXISTING CONCRETE PAVEMENT |
| D2b | REMOVE EXISTING CONCRETE SIDEWALK |
| D3 | REMOVE EXISTING CONCRETE CURB |
| D4 | EVENLY SAWCUT |
| D5 | REMOVE EXISTING BUILDING/STRUCTURE |
| D6 | REMOVE EXISTING DRAINAGE STRUCTURE |
| D7 | REMOVE EXISTING STORM LINE |
| D8 | REMOVE EXISTING WATERLINE & APPURTENANCES |
| D9 | REMOVE EXISTING SANITARY SEWER LINE |
| D10 | REMOVE EXISTING UTILITY LINE & APPURTENANCES |
| D11 | EXISTING UTILITY LINE TO BE ABANDONED IN PLACE |
| D12 | EXISTING HYDRANT TO BE RELOCATED |
| D13 | REMOVE EXISTING TREE |

NOTES: 1. SEE SHEET C2.0 FOR GENERAL AND DEMOLITION NOTES.

LEGEND

CONCRETE TO REMOVE

SEWER TO BE DEMOLISHED

TREES TO BE REMOVED

SILT FENCE

ASPHALT PAVEMENT TO REMOVE

_____SF _____

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Know what's below. Call before you dig.

GRAPHIC SCALE

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6515 NIGHTINGALE LANE KNOXVILLE, TN 37909 (865) 934-6023





SITE DATA

COUNCIL DISTRICT: COUNCIL MEMBER: PARCEL ID.: 095HC015, 095HC017 SITE ADDRESS:

SITE ACREAGE: EXISTING ZONING: PROPOSED USE:

OWNER: CORPORATION ADDRESS:

PHONE NO.: CONTACT NAME: CORPORATION CONTACT E-MAIL ADDRESS: PROJECT REPRESENTATIVE:

ADDRESS: PHONE NO.: CONTACT NAME: CONTACT E-MAIL ADDRESS:

FEMA PANEL:

GWEN MCKENZIE 095HC003, 095HC00201, 095HC016,

GEORGIA STREET KNOXVILLE, TENNESSEE 37915 PARCEL ACREAGE AC. (---- FT²) RN-6 BRIDGE CROSSING

KNOXVILLE'S COMMUNITY DEVELOPMENT 901 N. BROADWAY STREET KNOXVILLE, TENNESSEE 37917 (865) 403-1117 KNOXVILLE COMMUNITY DEVELOPMENT

posickey@partnersinfo.com

BRAD SALSBURY 6515 NIGHTINGALE LANE KNOXVILLE, TENNESSEE 37919 PROJECT REPRESENTATIVE PHONE BRAD SALSBURY bsalsbury@smeinc.com

THE SUBJECT PROPERTY DOES LIE WITHIN A SPECIAL FLOOD HAZARD ZONE ACCORDING TO COMMUNITY PANEL NO. 47093C0281G, 8/4/2013, COMMUNITY NAME: KNOX.



6515 NIGHTINGALE LANE KNOXVILLE, TN 37909 (865) 934-6023

PROPOSED FEATURES LEGEND

BUILDING CONCRETE PAVEMENT CONCRETE SIDEWALK HEAVY DUTY PAVEMENT LIGHT DUTY PAVEMENT TACTILE WARNING PAINTED STRIPE CONCRETE CURB CENTERLINE _____ __ ___ PROPOSED PROPERTY LINE _____ EXISTING PROPERTY LINE NOTES:

1. SEE SHEET C2.0 FOR GENERAL AND SITE LAYOUT NOTES.







GRADING & DRAINAGE KEYNOTES

DET #/SHT #

| CODE | DESCRIPTION |
|------------|--|
| Gla | CURB INLET |
| G1b | DOUBLE CURB INLET |
| G2a | CATCH BASIN |
| G2b | DOUBLE CATCH BASIN |
| G3 | JUNCTION MANHOLE |
| G4 | AREA DRAIN |
| G5 | CLEANOUT |
| G6a | CONCRETE HEADWALL - STRAIGHT |
| G6b | CONCRETE HEADWALL - WINGED |
| G7) | BUILDING DOWNSPOUT CONNECTION |
| <u>G8</u> | CONCRETE FLUME |
| G 9 | DETENTION POND OUTLET STRUCTURE |
| G10 | WATER QUALITY STRUCTURE |
| G11) | CURB CUT |
| G12 | SIDEWALK DRAIN |
| G13) | TRENCH DRAIN |
| G14) | SILT FENCE |
| G15 | RIPRAP AT HEADWALL |
| G16 | RAIN GARDEN |
| G17) | TRANSITION FROM FLUSH CONDITION TO 6" CURB OVER XX FEET |
| G18 | MATCH EXISTING GRADE |
| G19) | FLUSH CONDITION |
| NOTES: | |

6515 NIGHTINGALE LANE KNOXVILLE, TN 37909 (865) 934-6023

1. SEE SHEET C2.0 FOR GENERAL AND GRADING NOTES. PROPOSED FEATURES LEGEND

| SPOT ELEVATION | +9.05 | |
|--------------------------|-------|--|
| PROPOSED MAJOR CONTOUR - | 90 — | |
| PROPOSED MINOR CONTOUR - | 92 | |



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Know what's below. Call before you dig.





BRIDGE CROSSING PROFILE HORIZONTAL SCALE: 1" = 40' VERTICAL SCALE: 1" = 10'

GRADING & DRAINAGE KEYNOTES DESCRIPTION DET #/SHT

6515 NIGHTINGALE LANE KNOXVILLE, TN 37909 (865) 934-6023

| G1a) | CURB INLET |
|------------|---|
| G1b | DOUBLE CURB INLET |
| G2a | CATCH BASIN |
| G2b | DOUBLE CATCH BASIN |
| G3 | JUNCTION MANHOLE |
| G4) | AREA DRAIN |
| G5 | CLEANOUT |
| G6a | CONCRETE HEADWALL - STRAIGHT |
| G6b | CONCRETE HEADWALL - WINGED |
| G7) | BUILDING DOWNSPOUT CONNECTION |
| <u>G8</u> | CONCRETE FLUME |
| G 9 | DETENTION POND OUTLET STRUCTURE |
| G10 | WATER QUALITY STRUCTURE |
| (G11) | CURB CUT |
| G12) | SIDEWALK DRAIN |
| G13) | TRENCH DRAIN |
| (G14) | SILT FENCE |
| G15) | RIPRAP AT HEADWALL |
| G16) | RAIN GARDEN |
| G17) | TRANSITION FROM FLUSH CONDITION TO 6" CURE OVER XX FEET |
| G18) | MATCH EXISTING GRADE |
| G19) | FLUSH CONDITION |
| NOTES: | |
| 1. SEE SI | HEET C2.0 FOR GENERAL AND GRADING NOTES. |

CODE

| PROPOSED FEATURES LEGEND |) |
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| PROPOSED MAJOR CONTOUR - | 90 — |
| PROPOSED MINOR CONTOUR | 92 |

Know what's below. Call before you dig.

GRAPHIC SCALE

| | | | | | | | | | | DESCRIPTION |
|--|------------------------------|--|-------------------------|-----|---|----|--------------------|------------------------------------|--|-----------------------------|
| | | | | | | | | | | DATE |
| | | | | | | | | | | NO. |
| N V V | | | DRAINAGE PLAN & PROFILE | | | | DESIGN DEVELOPMENT | AUSTIN HOMES FIRST CIRCLE CROSSING | | KNOXVILLE, KNOX, I ENNESSEE |
| 20 40 60 | PROJECT NUMBER 216662 | | | | | | | | | |
| CALE (IN FEET) VERTICAL DATUM: NAVD 88 HORIZONTAL DATUM: NAD 83/27 | | | | DRA | C | 16 | 1BEF | 2 | | |

| URES LEGEND | PROPOSED FEATU | . WASTEWATER FLOW MUST BE MAINTAINE FLOW CONTROL. WHENEVER PIPE-LAYIN CONTRACTOR SHALL PLUG THE SEWER | | |
|----------------|---|---|-----|--|
| S T | EXISTING SANITARY SEWER (TO BE ABANDONED) | — X — SAN — X — — | | DOWNSTREAM MANHOLE. ALL DOWNSTR ACCEPTABLE TO THE OWNER TO RECEIV WILL NOT BE PERMITTED. THE CONTRAC SLICH AS DAMS PLUGS PLIMPING FOU |
| W | EXISTING SANITARY SEWER | SAN X | — | THE SEWAGE FLOW BEFORE IT REACHES PAST HIS/HER WORK AND RETURN IT |
| GAS | REPLACED WITH PROPOSED SANITARY SEWER | | 2 | 2. CONTRACTOR WILL BE LIABLE FOR CLEA |
| UG-E | PROPOSED SANITARY SEWER | SAN | | METHODOLOGY, AND BYPASS PUMPING |
| ОН-Е | PROPOSED MANHOLE | 0 | 2 | I. PROVIDE ADEQUATE CAPACITY AND SIZE DURING PERIODS OF A RAINSTORM. ES CAPACITY OF AT LEAST 125 PERCENT (|
| | SANITARY SEWER FLOW | | | |
| (\mathbf{J}) | 0 30 60 | 120 | 180 | 5. OPERATE AND MAINTAIN FLOW CONTROL REQUIRED TO CONTROL FLOW. |
| SAN | GR | APHIC SCALE | 6 | 6. REFER TO SECTION OF 02542, SEWER SUBMITTALS AND REQUIREMENTS. |
| SAN | GR | APHIC SCALE | | SUBMITIALS AND REQUIREMENTS. |

| | | | MATERIALS | QUANTITY | |
|-------------------------------------|-------------|--------------------|-------------------------------|--|--|
| | | | 48" DIP (CLASS 150 W/ | 393 LF | |
| | | | 12" DIP (CLASS 150 W/ | 109 LF | |
| | | | 8" PVC (SDR 26) | 1107 LF | |
| | | | MANHOLES | 8 | |
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| PROPOSED 12" DIP SEWER | | | FFE=894 | | |
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| Star | | OSED 48" DIP SEWER | ILDING 5 FE=895.00 | | |
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| REVISION | APPR. | SCALE | | | |
| | | 1" = 50' | | | |
| | | DATE | | | |
| | | AUG 23, 2022 | | | |
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| | ~ TOOL EDGES 1/2" RADIUS |
|----|--|
| | CONCRETE |
| | 1/4" HAND-GROOVED JOINT. TOOL EDGES 1/2" RADIUS. CONC. WALK GRAVEL C |
| 9 | 6 <u>SIDE</u> |
| | ACCESSIBLE RAMP |
| 10 | NOTES: 1. THE PED COMPLIA 2. MARKIN ASPHAL 3. PAINT 1 "TRAFFI PEDESTE |
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| 11 | <u>8</u> |

vilgiNAL SIZE: 24"X36" DRAWING PATH: T:\P&D\Projects\2021\216662 KCDC Georgia Crossing\CAD\Constructic

