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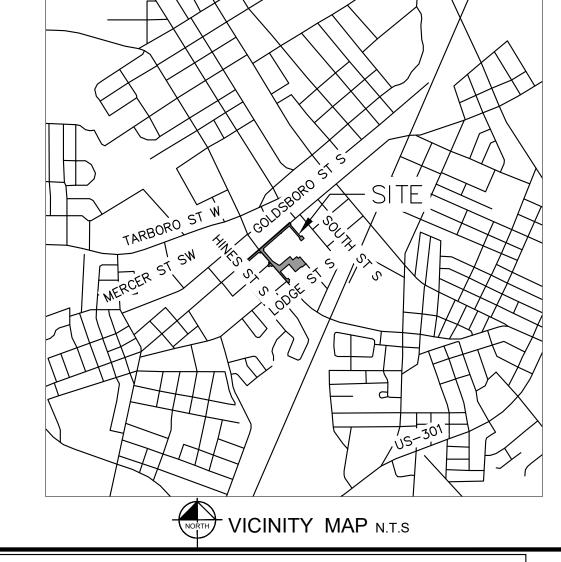
CONSTRUCTION DOCUMENT SUBMITTAL FOR WILSON BALLPARK UTILITIES EXPANSION REVIEW NUMBER TBD

CORNER OF GOLDSBORO ST. & HINES ST.
WILSON, NORTH CAROLINA 27893

A DEVELOPMENT BY: CITY OF WILSON

112 GOLDSBORO ST. EAST

WILSON, NC 27983



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DETAILS

JANUARY 26, 2024

JOB NUMBER: 268255002

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL CITY OF WILSON AND/OR NCDOT STANDARDS AND SPECIFICATIONS.

SURVEY NOTE:

EXISTING INFORMATION TAKEN FROM BOUNDARY/TOPOGRAPHIC SURVEY PROVIDED BY BARTLETT ENGINEERING AND SURVEYING, PC, 1906 NASH ST. N., WILSON, NC 27893. PHONE: 252-205-1856 AND DATED AUGUST 25, 2023 AND GIS/AERIAL IMAGERY.

PROJECT OWNER AND CONSULTANT

OWNER: CITY OF WILSON

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WILSON BALLPARK
UTILITIES EXPANSION
PREPARED FOR
CITY OF WILSON

SHEE

COVER

SHEET NUMBER

GENERAL NOTES:

- 1. WORK IN THIS PROJECT SHALL CONFORM TO THESE PLANS, THE LATEST EDITIONS OF THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION (NCDOT) ROAD AND BRIDGE SPECIFICATIONS. THE NCDOT ROAD AND BRIDGE STANDARDS, THE NORTH CAROLINA EROSION AND SEDIMENT CONTROL HANDBOOK, THE NORTH CAROLINA EROSION AND SEDIMENT CONTROL REGULATIONS, THE CITY OF WILSON DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS, THE FINAL GEOTECHNICAL REPORT, AND GENERAL DESIGN STANDARDS. IN THE EVENT OF CONFLICT BETWEEN ANY OF THESE STANDARDS, SPECIFICATIONS, OR PLANS. THE MOST STRINGENT SHALL GOVERN. ALL UTILITIES TO BE DEDICATED TO THE CITY OF WILSON MUNICIPAL WATER AND/OR SANITARY SEWER SYSTEM SHALL BE CONSTRUCTED AND TESTED TO CONFORM TO STATE OF NORTH CAROLINA/STATE BOARD OF HEALTH WATERWORKS AND/OR SEWAGE REGULATIONS AND THE CITY OF WILSON DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS.
- 2. THE TERM "CONTRACTOR" AS REFERENCED HERE-IN SHALL ALSO INCLUDE THE SUBCONTRACTOR OR PRINCIPAL TRADE CONTRACTOR, UNDER CONTRACT TO THE GENERAL CONTRACTOR TO PROVIDE LABOR, MATERIALS, AND/OR SERVICES TO THE PROJECT
- 3. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL JOBSITE SAFETY, INCLUDING BUT NOT LIMITED TO TRENCH SAFETY, DURING ALL PHASES OF CONSTRUCTION.
- 4. THE LOCATION AND SIZE OF EXISTING UTILITIES AS SHOWN IS APPROXIMATE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR HORIZONTALLY AND VERTICALLY LOCATING AND PROTECTING ALL PUBLIC OR PRIVATE UTILITIES (SHOWN OR NOT SHOWN) WHICH LIE IN OR ADJACENT TO THE CONSTRUCTION SITE. AT LEAST 48 HOURS PRIOR TO ANY DEMOLITION, GRADING, OR CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL NOTIFY THE NORTH CAROLINA 811 UTILITIES LOCATION SERVICE (NC811) AT 1-800-632-4949 FOR PROPER IDENTIFICATION OF EXISTING UTILITIES WITHIN THE SITE.
- 5. THE CONTRACTOR SHALL SALVAGE AND PROTECT ALL EXISTING POWER POLES, SIGNS, MANHOLES, TELEPHONE RISERS, WATER VALVES, ETC. DURING ALL CONSTRUCTION PHASES. THE CONTRACTOR SHALL REPAIR, AT HIS OWN EXPENSE, ANY EXISTING UTILITIES DAMAGED DURING CONSTRUCTION.
- 6. TRAFFIC CONTROL WITHIN ALL VEHICULAR AREAS IS THE RESPONSIBILITY OF THE CONTRACTOR, SHALL BE IN CONFORMANCE WITH THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES," AND AS FURTHER DIRECTED BY CITY AND STATE INSPECTORS.
- 7. ANY DISCREPANCIES FOUND BETWEEN THE DRAWINGS, SPECIFICATIONS, AND SITE CONDITIONS OR ANY INCONSISTENCIES OR AMBIGUITIES IN DRAWINGS OR SPECIFICATIONS SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER, IN WRITING, WHO SHALL PROMPTLY ADDRESS SUCH INCONSISTENCIES OR AMBIGUITIES. WORK DONE BY THE CONTRACTOR AFTER HIS DISCOVERY OF SUCH DISCREPANCIES, INCONSISTENCIES, OR AMBIGUITIES SHALL BE DONE AT THE CONTRACTOR'S RISK.
- 8. CONSTRUCTION STAKEOUT FOR THIS PROJECT SHALL BE PER A DIGITAL (CAD) FILE PROVIDED BY THE ENGINEER. THE CONTRACTOR SHALL NOTIFY THE LEAD ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES FOUND BETWEEN THE DIGITAL FILE AND THE CRITICAL STAKING DIMENSIONS SHOWN ON THIS PLAN. ANY MODIFICATIONS MADE BY OTHERS TO THE DIGITAL FILE PROVIDED BY THE ENGINEER SHALL RENDER IT VOID.
- 9. A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL ARRANGE THE MEETING WITH THE CITY OF WILSON ENGINEERING DIVISION AND THE OWNER.
- 10. CONTRACTOR IS RESPONSIBLE FOR VERIFYING OR OBTAINING ALL REQUIRED PERMITS AND APPROVALS PRIOR TO
- 11. THE FRAMES AND COVERS OF ALL EXISTING AND PROPOSED DRAINAGE, SANITARY SEWER, WATER MAIN, GAS, AND WIRE UTILITY STRUCTURES SHALL BE ADJUSTED TO MATCH PROPOSED FINISHED ELEVATIONS AND SLOPES.
- 12. ROADWAYS AND BUILDINGS MUST BE CAPABLE OF SUPPORTING FIRE APPARATUS DURING CONSTRUCTION.
- 13. EXISTING INFORMATION TAKEN FROM AN ALTA/ACSM LAND TITLE SURVEY PROVIDED BY BARTLETT ENGINEERING AND SURVEYING, PC, 1906 NASH ST. S., WILSON, NC 27893. PHONE: 252-205-1856 AND DATED AUGUST 25, 2023
- 14. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NC DOT AND CITY OF WILSON STANDARDS, SPECIFICATIONS, & DETAILS IF APPLICABLE.

SANITARY SEWER

COMMENCING CONSTRUCTION.

- 1. GRAVITY SANITARY SEWER MAINS SHALL BE SDR-35 PVC PIPE OR DIP AS SPECIFIED IN THESE PLANS AND CITY OF WILSON STANDARDS AND SPECIFICATIONS. SANITARY SEWER SERVICES SHALL BE SCHEDULE 40 PVC.
- 2. CLEANOUT SYMBOLS SHOWN ON THESE PLANS REPRESENT LOCATION OF SURFACE ACCESS POINT. CONTRACTOR SHALL LOCATE WYE APPROPRIATELY BASED ON PIPE DEPTH.
- 3. ALL MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF WILSON STANDARDS. MANHOLE DIAMETER SHALL VARY DEPENDING ON PIPE DIAMETER AND DEPTH, PER CITY OF WILSON STANDARDS.
- 4. SANITARY SEWER CLEAN-OUTS LOCATED IN PAVEMENT AREAS SHALL BE HEAVY-DUTY TRAFFIC BEARING CASTINGS.
- 5. ALL SEWER MAINS IN TRAFFIC AREAS SHALL HAVE MINIMUM COVER OF 5' MEASURED FROM FINISHED GRADE TO
- PIPE CROWN UNLESS DUCTILE IRON PIPE IS PROVIDED IN CLASS 1 BEDDING WHERE A MINIMUM COVER SHALL BE 3'.
- 6. SEWER MANHOLES LOCATED IN NON-PAVED AREAS SHALL HAVE RIM ELEVATION A MINIMUM OF 1' ABOVE FINISHED
- 7. ALL DIP SHALL BE PROTECTO 401 LINED OR EQUIVALENT.

WATER

- 1. WATERLINES, LARGER THAN 2" SHALL BE DUCTILE IRON PIPE MEETING THE REQUIREMENTS OF ANSI-AWWA C151 PRESSURE CLASS 350. WATERLINES 3/4" TO 2" SHALL BE TYPE "K" SOFT COPPER.
- 2. ALL UNDERGROUND UTILITIES AND FIRE HYDRANTS MUST BE FUNCTIONALLY APPROVED PRIOR TO STRUCTURAL
- 3. NATIONAL STANDARD THREADS SHALL BE INSTALLED ON FIRE HYDRANTS.
- 4. ALL FIRE HYDRANTS AND FDC CONNECTIONS TO HAVE STORZ TYPE CONNECTION PER CITY OF WILSON FIRE DEPARTMENT STANDARDS.
- 5. ALL WATER MAINS SHALL BE C-900 OR DIP AS SPECIFIED.

BACKFLOW PREVENTION:

- THERE SHALL BE NO TAPS, PIPING BRANCHES, UNAPPROVED BYPASS PIPING, HYDRANTS, FIRE DEPARTMENT CONNECTION POINTS OR OTHER WATER-USING APPURTENANCES CONNECTED TO THE SUPPLY LINE BETWEEN ANY WATER METER AND ITS REQUIRED BACKFLOW PREVENTER.
- EACH BACKFLOW PREVENTER ASSEMBLY IS REQUIRED TO BE TESTED BY AN APPROVED CERTIFIED TESTER PRIOR TO PLACING THE WATER SYSTEM INTO SERVICE. CONTRACTOR SHALL PERFORM TESTING IN ACCORDANCE WITH THE CITY OF WILSON ENGINEERING DEPARTMENT

CONSTRUCTION NOTES

- 1. THE CONTRACTOR SHALL CONDUCT THE WORK IN A SAFE MANNER AND WITH A MINIMUM AMOUNT OF INCONVENIENCE TO TRAFFIC.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL AND SHALL ADHERE TO THE PROVISIONS OF THE MUTCD (MOST CURRENT EDITION).
- 3. PRIOR TO CONSTRUCTION BEGINNING, ALL SIGNAGE AND TRAFFIC CONTROL SHALL BE IN PLACE. 4. THE CONTRACTOR SHALL HAVE A COMPLETE SET OF CONTRACT DOCUMENTS AS WELL AS ALL APPROVALS AND
- EASEMENTS ON THE JOB SITE AT ALL TIMES.
- 5. THE CONTRACTOR SHALL REPAIR ALL DRIVEWAYS, DRIVEWAY PIPES, CURB AND GUTTER, SIDEWALKS AND STREET
- 6. A TRAFFIC CONTROL PLAN SHALL BE SUBMITTED AND APPROVED BY THE ENGINEER, CITY OF WILSON, AND DOT (AS APPROPRIATE) PRIOR TO STARTING CONSTRUCTION.

STANDARD UTILITY NOTES

- 1. ALL MATERIALS AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH CITY OF WILSON DESIGN STANDARDS & SPECIFICATIONS
- 2. UTILITY SEPARATION REQUIREMENTS:
 - A) A DISTANCE OF 100' SHALL BE MAINTAINED BETWEEN SANITARY SEWER & ANY PRIVATE OR PUBLIC WATER SUPPLY SOURCE SUCH AS AN IMPOUNDED RESERVOIR USED AS A SOURCE OF DRINKING WATER. IF ADEQUATE LATERAL SEPARATION CANNOT BE ACHIEVED, FERROUS SANITARY SEWER PIPE SHALL BE SPECIFIED & INSTALLED TO WATERLINE SPECIFICATIONS. HOWEVER, THE MINIMUM SEPARATION SHALL NOT BE LESS THAN 25' FROM A PRIVATE WELL OR 50' FROM A PUBLIC WELL.
 - B) WHEN INSTALLING WATER &/OR SEWER MAINS, THE HORIZONTAL SEPARATION BETWEEN UTILITIES SHALL BE 10'. IF THIS SEPARATION CANNOT BE MAINTAINED DUE TO EXISTING CONDITIONS. THE VARIATION ALLOWED IS THE WATER MAIN IN A SEPARATE TRENCH WITH THE ELEVATION OF THE WATER MAIN AT LEAST 18" ABOVE THE TOP OF THE SEWER & MUST BE APPROVED BY THE PUBLIC UTILITIES DIRECTOR. ALL DISTANCES ARE MEASURED FROM OUTSIDE DIAMETER TO OUTSIDE DIAMETER.
 - C) WHERE IT IS IMPOSSIBLE TO OBTAIN PROPER SEPARATION, OR ANYTIME A SANITARY SEWER PASSES OVER A WATER MAIN, DIP MATERIALS OR STEEL ENCASEMENT EXTENDED 10' ON EACH SIDE OF CROSSING MUST BE SPECIFIED & INSTALLED TO WATERLINE SPECIFICATIONS. D) 24" MINIMUM HORIZONTAL SEPARATION IS REQUIRED BETWEEN ALL SANITARY SEWER & STORM SEWER
 - FACILITIES, UNLESS DIP MATERIAL IS SPECIFIED FOR SANITARY SEWER. E) MAINTAIN 18"MIN. VERTICAL SEPARATION AT ALL WATER MAIN & RCP STORM DRAIN CROSSINGS: MAINTAIN 24"MIN. VERTICAL SEPARATION AT ALL SANITARY SEWER & RCP STORM DRAIN CROSSINGS. WHERE ADEQUATE SEPARATIONS CANNOT BE ACHIEVED, SPECIFY DIP MATERIALS & A CONCRETE CRADLE HAVING 6"MIN.
 - CLEARANCE. F) ALL OTHER UNDERGROUND UTILITIES SHALL CROSS WATER & SEWER FACILITIES WITH 18"MIN. VERTICAL SEPARATION REQUIRED.
- ANY NECESSARY FIELD REVISIONS ARE SUBJECT TO REVIEW & APPROVAL OF AN AMENDED PLAN &/OR PROFILE BY THE CITY OF WILSON PUBLIC UTILITIES DEPARTMENT PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN CONTINUOUS WATER & SEWER SERVICE TO EXISTING RESIDENCES & BUSINESSES THROUGHOUT CONSTRUCTION OF PROJECT. ANY NECESSARY SERVICE INTERRUPTIONS SHALL BE PRECEDED BY A 24 HOUR ADVANCE NOTICE TO THE CITY OF WILSON PUBLIC UTILITIES DEPARTMENT.
- 5. 3.0' MINIMUM COVER IS REQUIRED ON ALL WATER MAINS & SEWER FORCE MAINS. 4.0' MINIMUM COVER IS REQUIRED ON ALL REUSE MAINS.
- IT IS THE DEVELOPER'S RESPONSIBILITY TO ABANDON OR REMOVE EXISTING WATER & SEWER SERVICES NOT BEING USED IN REDEVELOPMENT OF A SITE UNLESS OTHERWISE DIRECTED BY THE CITY OF WILSON PUBLIC UTILITIES DEPARTMENT. THIS INCLUDES ABANDONING TAP AT MAIN & REMOVAL OF SERVICE FROM ROW OR
- INSTALL 6" WATER SERVICES WITH METERS LOCATED AT ROW OR WITHIN A 2'x2' WATERLINE EASEMENT IMMEDIATELY ADJACENT. NOTE: IT IS THE APPLICANT'S RESPONSIBILITY TO PROPERLY SIZE THE WATER SERVICE FOR EACH CONNECTION TO PROVIDE ADEQUATE FLOW & PRESSURE.
- 8. INSTALL 8" PVC SEWER SERVICES @ 2.0% MINIMUM GRADE WITH CLEANOUTS LOCATED AT ROW OR EASEMENT LINE & SPACED EVERY 75 LINEAR FEET MAXIMUM.
- 9. PRESSURE REDUCING VALVES ARE REQUIRED ON ALL WATER SERVICES EXCEEDING 80 PSI; BACKWATER VALVES ARE REQUIRED ON ALL SANITARY SEWER SERVICES HAVING BUILDING DRAINS LOWER THAN 1.0' ABOVE THE NEXT UPSTREAM MANHOLE
- 10. ALL ENVIRONMENTAL PERMITS APPLICABLE TO THE PROJECT MUST BE OBTAINED FROM NCDWQ, USACE &/OR FEMA FOR ANY RIPARIAN BUFFER, WETLAND &/OR FLOODPLAIN IMPACTS (RESPECTIVELY) PRIOR TO
- 11. NCDOT ENCROACHMENT AGREEMENTS ARE REQUIRED FOR ANY UTILITY WORK (INCLUDING MAIN EXTENSIONS & SERVICE TAPS) WITHIN STATE ROW PRIOR TO CONSTRUCTION.
- 12. CROSS-CONNECTION CONTROL PROTECTION DEVICES ARE REQUIRED BASED ON DEGREE OF HEALTH HAZARD INVOLVED AS LISTED IN APPENDIX-B OF THE RULES GOVERNING PUBLIC WATER SYSTEMS IN NORTH CAROLINA. THESE GUIDELINES ARE THE MINIMUM REQUIREMENTS. THE DEVICES SHALL MEET AMERICAN SOCIETY OF SANITARY ENGINEERING (ASSE) STANDARDS OR BE ON THE UNIVERSITY OF SOUTHERN CALIFORNIA APPROVAL LIST. THE DEVICES SHALL BE INSTALLED AND TESTED (BOTH INITIAL AND PERIODIC TESTING THEREAFTER) IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS OR THE LOCAL CROSS-CONNECTION CONTROL PROGRAM, WHICHEVER IS MORE STRINGENT.
- 13. THE STATE OF NORTH CAROLINA AND C.O.W. PUBLIC WORKS DEPT. SHALL BE NOTIFIED IN WRITING PRIOR TO UTILITY INSTALLATION AND FOR SCHEDULING INSPECTIONS.
- 14. TRAFFIC CONTROLS FOR ANY UTILITY WORK WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE IN COMPLIANCE WITH STANDARDS OF THE NORTH CAROLINA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- 15. IN THE EVENT AN ITEM IS NOT COVERED BY THESE PLANS, THEN THE STANDARDS AND SPECIFICATIONS CONTAINED IN THE CITY OF WILSON PUBLIC UTILITIES DEPARTMENT HANDBOOK COVERING SUCH ITEMS SHALL
- 16. IF NCDEQ WATER AND SANITARY SEWER PERMITS ARE REQUIRED, CONTRACTOR IS RESPONSIBLE FOR ALL PERMIT
- LOCATIONS AND SIZES OF EXISTING WATER AND SEWER LINES SHOWN ON THESE PLANS WITHIN THE PROPERTY LIMITS OF THE SITE ARE ASSUMED BASED ON SURVEY OF SURFACE FEATURES (MANHOLES, VALVES, VAULTS, METERS, ETC.) PREPARED BY BARTLETT ENGINEERING AND SURVEYING, PC. 1906 NASH ST. N., WILSON, NC 27893. IT IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF THE EXISTING UTILITIES PRIOR TO COMMENCING WORK. ANY DEVIATIONS FROM WHAT IS INDICATED ON THESE PLANS SHALL BE REPORTED TO THE DEVELOPER AND ENGINEER, IN WRITING, IMMEDIATELY.
- 18. CONTRACTOR SHALL PROVIDE A MEANS TO KEEP ALL NEW PIPING ISOLATED FROM EXISTING PIPING UNTIL ALL NEW PIPING HAS BEEN TESTED. AND ACCEPTED FOR SERVICE.
- 19. EXISTING UTILITIES SHALL BE PROTECTED DURING ALL CONSTRUCTION.
- 20. THE SITE UTILITY CONTRACTOR SHALL PROVIDE ALL MATERIALS AND APPURTENANCES NECESSARY FOR COMPLETE INSTALLATION OF THE UTILITIES. ALL PUBLIC PIPE. STRUCTURES. AND FITTINGS SHALL BE INSPECTED BY THE CITY INSPECTOR PRIOR TO BEING COVERED. THE INSPECTOR MUST ALSO BE PRESENT DURING DISINFECTION AND PRESSURE TESTING OF ALL MAINS. THE CONTRACTOR'S BID PRICE SHALL INCLUDE ALL INSPECTION FEES.
- 21. UTILITY WORK SHALL BE INSPECTED AND ACCEPTED BY CITY OF WILSON PRIOR TO PLACING INTO SERVICE.
- 22. THERE SHALL BE A MINIMUM 3' CLEAR DISTANCE AROUND ALL FIRE HYDRANTS.
- 23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING "AS-BUILT" PLANS, PER CITY OF WILSON REQUIREMENTS, TO THE ENGINEER SHOWING THE LOCATION OF WATER AND SEWER SERVICES AND ANY DEVIATIONS FROM PLANS MADE DURING CONSTRUCTION. THE ENGINEER WILL PROVIDE THESE RECORD PLANS TO THE CITY OF WILSON.
- 24. A SANITARY SEWER BYPASS PLAN IS REQUIRED TO BE APPROVED BY THE ENGINEER AND CITY OF WILSON PRIOR TO THE START OF ANY BYPASS OPERATION.

PAVING/CURBING

- 1. WHERE PROPOSED CURB AND GUTTER TIES TO EXISTING CURB OR CURB AND GUTTER, A TRANSITION OF 10' SHALL BE MADE TO CONFORM TO THE EXISTING HEIGHTS AND SHAPES.
- 2. BEFORE ANY EARTHWORK IS DONE, THE CONTRACTOR SHALL STAKE OUT AND MARK THE LIMITS OF PAVEMENT AND OTHER ITEMS ESTABLISHED IN THE PLANS. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY ENGINEERING AND SURVEYING FOR LINE AND GRADE CONTROL POINTS RELATED TO EARTHWORK.
- ALL PAVEMENT SUB GRADES (EVEN WHEN ROCK IS ENCOUNTERED) SHALL BE SCARIFIED TO A DEPTH OF 8 INCHES AND COMPACTED TO A MINIMUM DENSITY OF 98 PERCENT OF ASTM D-698 DENSITY AT OPTIMUM MOISTURE CONTENT UNLESS OTHERWISE SHOWN IN THE CONSTRUCTION DOCUMENTS OR AS DIRECTED BY THE CERTIFIED
- 4. CONTRACTOR SHALL FURNISH AND INSTALL ALL PAVEMENT MARKINGS AND MISCELLANEOUS STRIPING AS SHOWN ON THE PLANS. ALL ROADWAY PAVEMENT MARKINGS SHALL BE THERMOPLASTIC AND ADHERE TO NCDOT STANDARDS.
- THE CONTRACTOR SHALL CLEAR AND GRUB THE SITE AND PLACE, COMPACT, AND MOISTURE CONDITION ALL FILL PER THE PROJECT GEOTECHNICAL ENGINEER'S SPECIFICATIONS. THE FILL MATERIAL TO BE USED SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT.

MATERIALS TESTING AGENT. FILL SHALL BE PLACED AND COMPACTED IN MAXIMUM 8" LIFTS.

- 6. ALL CURB JOINTS SHALL EXTEND THROUGH THE CURB. MINIMUM LENGTH OF OFFSET JOINTS AT RADIUS POINTS IS 1.5 FEET. ALL JOINTS SHALL BE SEALED WITH JOINT SEALANT.
- 7. TESTING OF MATERIALS REQUIRED FOR THE CONSTRUCTION OF THE PAVING IMPROVEMENTS SHALL BE PERFORMED BY AN APPROVED AGENCY FOR TESTING MATERIALS. THE TESTING LABORATORY AND THE PAYMENT OF SUCH TESTING SERVICES SHALL BE MADE BY THE OWNER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY THAT THE CERTIFIED MATERIAL TESTING AGENT HAS PERFORMED THE WORK AND THAT THE WORK CONSTRUCTED DOES MEET THE REQUIREMENTS OF THE CITY'S SPECIFICATIONS AND/OR THE PROJECT SPECIFICATIONS, WHICHEVER IS MORE
- 8. ALL SIGNS, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES ON PUBLIC STREETS SHALL CONFORM TO MUTCD, NCDOT, AND CITY OF WILSON STANDARDS.

STORM DRAINAGE

- 1. THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS SHOWN, INCLUDING THE HORIZONTAL AND VERTICAL LOCATION OF CURB INLETS AND GRATE INLETS AND ALL UTILITIES CROSSING THE STORM SEWER.
- 2. THE SITE UTILITY CONTRACTOR SHALL PROVIDE ALL MATERIALS AND APPURTENANCES NECESSARY FOR COMPLETE INSTALLATION OF THE STORM SEWER.
- 3. THE CITY OF WILSON INSPECTOR SHALL INSPECT ALL "PUBLIC" CONSTRUCTION. THE CONTRACTOR'S PRICE SHALL INCLUDE ALL INSPECTION FEES.
- 4. ALL RCP STORM SEWER MAINS AND LATERALS SHALL BE MINIMUM CLASS III REINFORCED CONCRETE PIPE.
- 5. ALL PVC TO RCP CONNECTIONS SHALL BE CONSTRUCTED WITH CONCRETE COLLARS.
- 6. THE LOCATIONS OF STORM SEWER STRUCTURES SHOWN ON THESE PLANS (AND PROVIDED IN ASSOCIATED CAD FILES) ARE APPROXIMATE. THE CONTRACTOR SHALL STAKE ALL CURB INLET STRUCTURES SUCH THAT INLET TOPS ALIGN HORIZONTALLY WITH PROPOSED CURB LOCATIONS (PER DETAIL, IF PROVIDED). WHERE PROPOSED STORM SEWERS TIE TO EXISTING STRUCTURES, PIPES, ETC., THE CONTRACTOR SHALL FIELD ADJUST PROPOSED STORM SEWERS TO MATCH THE LOCATIONS OF THESE EXISTING FEATURES.
- 7. RIM ELEVATIONS FOR STORM CATCH BASINS ARE MEASURED TO THE GUTTER FLOW LINE.

TRAFFIC CONTROL NOTES

- WITHIN THE SIGHT TRIANGLES AND SIGHT EASEMENTS SHOWN ON THESE PLANS, NO OBSTRUCTION SHALL BE LOCATED IN WHOLE OR PART BETWEEN (2) FEET AND (8) FEET IN HEIGHT ABOVE THE CURB LINE ELEVATION OR THE NEAREST TRAVELED WAY, IF NO CURBING EXISTS. OBSTRUCTIONS INCLUDE, BUT ARE NOT LIMITED TO, ANY BERM, FOLIAGE, FENCE, WALL, SIGN, PARKED VEHICLE OR OTHER OBJECT.
- 2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL CITY OF WILSON AND/OR N.C.D.O.T. STANDARDS AND SPECIFICATIONS.
- REFER TO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (LATEST EDITION) FOR DETAILS OF STANDARD TRAFFIC CONTROL SIGNS AND STANDARDS.

SEEDBED PREPARATION

- 1. CHISEL COMPACTED AREAS AND SPREAD TOPSOIL THREE INCHES DEEP OVER ADVERSE SOIL CONDITIONS, IF
- 2. RIP THE ENTIRE AREA TO SIX INCHES DEEP.
- 3. REMOVE ALL LOOSE ROCK, ROOTS AND OTHER OBSTRUCTIONS, LEAVING SURFACE REASONABLY SMOOTH AND
- 4. APPLY AGRICULTURAL LIME, FERTILIZER AND SUPERPHOSPHATE UNIFORMLY AND MIX WITH SOIL (SEE MIXTURE BELOW).*
- INCHES DEEP. 6. SEED ON A FRESHLY PREPARED SEEDBED AND COVER SEED LIGHTLY WITH SEEDING EQUIPMENT OR CULTIPACK

5. CONTINUE TILLAGE UNTIL A WELL-PULVERIZED, FIRM, REASONABLY UNIFORM SEEDBED IS PREPARED FOUR TO SIX

- AFTER SEEDING. 7. MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH.
- 8. INSPECT ALL SEEDED AREAS AND MAKE NECESSARY REPAIRS OR RESEEDINGS WITHIN THE PLANTING SEASON, IF POSSIBLE. IF STAND SHOULD BE MORE THAN 60% DAMAGED, RE-ESTABLISH FOLLOWING THE ORIGINAL LIME, FERTILIZER AND SEEDING RATES.
- 9. CONSULT S&EC ENVIRONMENTAL ENGINEERS ON MAINTENANCE TREATMENT AND FERTILIZATION AFTER PERMANENT COVER IS ESTABLISHED.
- 10. *AGRICULTURAL LIMESTONE 2 TONS/ ACRES (3 TONS/ACRE IN CLAY SOILS) FERTILIZER 1,000 LBS. / ACRE -10-10-10 SUPERPHOSPHATE- 500 LBS> / ACRE -20% ANALYSIS MULCH -2 TONS / ACRE - SMALL GRAIN STRAW ANOTHER - ASPHALT EMULSION @ 300 GALS./ ACRE

PLANTING RATE

SEEDING SCHEDULE

DATE

SHOULDERS, SIDE DITCHES, SLOPES (MAX 3:1)								
AUG 15 - NOV 1 NOV 1 - MAR 1	TALL FESCUE TALL FESCUE & ABRUZZI RYE	300 LBS/ACRE 300 LBS/ACRE 25 LBS/ACRE						
MAR 1 — APR 15 APR 15 — JUN 30 JUL 1 — AUG 15	HULLED COMMON BERMUDAGRASS	300 LBS/ACRE 25 LBS/ACRE 120 LBS/ACRE 35 LBS/ACRE 30 LBS/ACRE						
SLOPES (3:1 TO 2:1)								
•	AND ADD TALL FESCÙE OR ADD WEEPING LOVEGRASS	50 LBS/ACRE 120 LBS/ACRE 10 LBS/ACRE 25 LBS/ACRE						
JUN 1 - SEP 1	***TALL FESCUE AND ***BROWNTOP MILLET ***OR SORGHUM-SUDAN HYBRIDS	120 LBS/ACRE 35 LBS/ACRE 30 LBS/ACRE						
SEP 1 - MAR 1 (NOV 1 - MAR 1)	SERICEA LESPEDEZA (UNHULLED— UNSCARIFED) AND TALL FESCUE ADD ABRUZZI RYE							

CONSULT CONSERVATION ENGINEER OR SOIL CONSERVATION SERVICE FOR ADDITIONAL INFORMATION CONCERNING OTHER ALTERNATIVES FOR VEGETATION OF DENUDED AREAS. THE ABOVE VEGETATION RATES ARE THOSE WHICH DO WELL UNDER LOCAL CONDITIONS; OTHER SEEDING RATE COMBINATIONS ARE POSSIBLE.

***TEMPORARY - RESEED ACCORDING TO OPTIMUM SEASON FOR DESIRED PERMANENT VEGETATION. DO NOT ALLOW TEMPORARY COVER TO GROW OVER 12" IN HEIGHT BEFORE MOWING, OTHERWISE FESCUE MAY BE SHADED OUT.

*NOTE: THIS SEEDING SCHEDULE IS FOR EROSION AND SEDIMENT CONTROL ONLY.

THE CONTRACTOR SHALL PROVIDE GROUND COVER ON DESIGNATED AREAS AND SLOPES GREATER THAN 3:1 WITHIN 7 DAYS FOLLOWING COMPLETION OF ANY PHASE OF GRADING. CONTRACTOR SHALL PROVIDE GROUND COVER IN 14 DAYS ON ALL OTHER AREAS FOLLOWING COMPLETION OF ANY PHASE OF GRADING. PERMANENT GROUND COVER FOR ALL DISTURBED AREAS SHALL BE PROVIDED WITHIN 15 WORKING DAYS OR 90 CALENDAR DAYS (WHICHEVER IS SHORTER) FOLLOWING COMPLETION OF CONSTRUCTION.

NURSE CROP: WHEN SEEDING BERMUDA GRASS SEED CONTRACTOR SHALL ADD 25 LB/AC OF ANNUAL RYE GRASS AS NURSE CROP UNTIL PERMANENT ESTABLISHMENT OF BERMUDA GRASS

EROSION CONTROL NOTES

- 1. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE NORTH CAROLINA EROSION AND SEDIMENT CONTROL HANDBOOK.
- 2. THE CONTRACTOR SHALL INSTALL AND MAINTAIN THROUGHOUT THE PROJECT CONSTRUCTION ALL EROSION CONTROL MEASURES SHOWN WITHIN THESE PLANS IN ACCORDANCE WITH APPLICABLE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY (NCDEQ) AND CITY OF WILSON EROSION AND SEDIMENT CONTROL REGULATIONS.
- 3. ALL CONSTRUCTION WORK SHALL BE IN COMPLIANCE WITH REGULATIONS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) STORM WATER GENERAL PERMIT.
- ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO CLEARING AND/OR LAND DISTURBANCE.
- 5. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN AND PERMIT SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- 6. THE CONTRACTOR SHALL DILIGENTLY AND CONTINUOUSLY MAINTAIN ALL EROSION CONTROL DEVICES AND STRUCTURES TO MINIMIZE EROSION. THE CONTRACTOR SHALL MAINTAIN CLOSE CONTACT WITH THE NCDENR EROSION CONTROL INSPECTOR SO THAT PERIODIC INSPECTIONS CAN BE PERFORMED AT APPROPRIATE STAGES
- APPROVAL OF THIS PLAN IS NOT AN AUTHORIZATION TO GRADE ADJACENT PROPERTIES. WHEN FIELD CONDITIONS WARRANT OFF-SITE GRADING, PERMISSION MUST BE OBTAINED FROM THE AFFECTED PROPERTY OWNERS. CONTACT PROJECT ENGINEER AND PROJECT EROSION CONTROL INSPECTOR TO ENSURE ADDITIONAL EROSION CONTROL MEASURES ARE INSTALLED PRIOR TO OFF-SITE GRADING.
- 8. PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING, BUT NOT LIMITED TO OFF-SITE BORROW OR WASTE AREAS, STAGING OR STORAGE AREAS), THE CONTRACTOR SHALL PREPARE AND SUBMIT A SUPPLEMENTARY EROSION CONTROL PLAN TO THE OWNER FOR REVIEW AND TO THE CITY OF WILSON FOR APPROVAL. CONTRACTOR SHALL PAY ALL FEES REQUIRED AND SHALL INSTALL NECESSARY MEASURES AT NO SEPARATE PAYMENT. THE CONTRACTOR SHALL PROVIDE THE OWNER AND THE ENGINEER A COPY OF THE AMENDED PERMIT.
- 9. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED CONTINUOUSLY, RELOCATED WHEN AND AS NECESSARY, AND SHALL BE CHECKED AFTER EVERY RAINFALL. SEEDED AREAS SHALL BE CHECKED REGULARLY AND SHALL BE WATERED, FERTILIZED, RESEEDED AND MULCHED AS NECESSARY TO OBTAIN A DENSE STAND OF
- 10. STABILIZATION IS THE BEST FORM OF EROSION CONTROL. ALL DISTURBED AREAS WHICH ARE NOT OTHERWISE STABILIZED SHALL BE TOP SOILED AND SEEDED, TEMPORARILY OR PERMANENTLY IN ACCORDANCE WITH THE NORTH CAROLINA SEDIMENT CONTROL REGULATIONS. PERMANENT SEEDING AND GRASS ESTABLISHMENT IS REQUIRED PRIOR TO PROJECT COMPLETION AND ACCEPTANCE.
- 11. CONTRACTOR TO ENSURE THAT SEDIMENT LADEN RUNOFF DOES NOT LEAVE SITE LIMITS OR ENTER PROTECTED AREAS. ANY SEDIMENT DEPOSITED BEYOND DISTURBED AREA WITHIN SITE LIMITS SHALL BE REMOVED.
- 12. ROLLED EROSION CONTROL PRODUCTS (RECP'S) SHOULD BE USED TO AID PERMANENT VEGETATED STABILIZATION OF SLOPES 2:1 OR GREATER AND WITH MORE THAN 10' OF VERTICAL RELIEF. RECP'S SHOULD ALSO BE USED WHEN MULCH CANNOT BE ADEQUATELY TACKED AND WHERE IMMEDIATE GROUND COVER IS REQUIRED TO PREVENT EROSION DAMAGE.
- 13. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 21 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT AND THE DISTURBED SOIL AREAS RESULTING FROM THE DISPOSITION OF TEMPORARY MEASURES SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION AND SEDIMENTATION.
- 14. WHERE SEDIMENT IS TRANSPORTED ONTO A PAVED OR PUBLIC ROAD SURFACE, THE ROAD SURFACE SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM THE ROADS BY SHOVELING OR SWEEPING AND TRANSPORTED TO A SEDIMENT CONTROL DISPOSAL AREA. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER.
- 15. WHEN A CRUSHED STONE CONSTRUCTION ENTRANCE HAS BEEN COVERED WITH SOIL OR HAS BEEN PUSHED INTO THE SOIL BY CONSTRUCTION TRAFFIC, IT SHALL BE REPLACED WITH A DEPTH OF STONE EQUAL TO THAT OF THE ORIGINAL APPLICATION.
- AND ALL CONSTRUCTION ACCESS LOCATIONS INTO NON-PAVED AREAS. TWO TO THREE INCH STONE SHALL BE USED FOR THE TEMPORARY GRAVEL CONSTRUCTION ENTRANCE. 17. ALL DRAINAGE INLETS SHALL BE PROTECTED FROM SILTATION. INEFFECTIVE PROTECTION DEVICES SHALL BE
- IMMEDIATELY REPLACED AND THE INLET CLEANED. FLUSHING IS NOT AN ACCEPTABLE METHOD OF CLEANING. 18. DURING CONSTRUCTION OF THE PROJECT, SOIL STOCKPILES SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT TRAPPING MEASURES. THE APPLICANT IS RESPONSIBLE FOR THE TEMPORARY PROTECTION AND PERMANENT STABILIZATION OF ALL SOIL STOCKPILES ON SITE AS WELL AS SOIL INTENTIONALLY TRANSPORTED FROM THE
- PROJECT SITE. 19. SEDIMENT BASINS AND TRAPS, PERIMETER DIKES, SEDIMENT BARRIERS AND OTHER MEASURES INTENDED TO TRAP SEDIMENT SHALL BE CONSTRUCTED AS A FIRST STEP IN ANY LAND-DISTURBING ACTIVITY AND SHALL BE MADE
- FUNCTIONAL BEFORE UPSLOPE LAND DISTURBANCE TAKES PLACE. 20. ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING LAND
- DISTURBING ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED. 21. DURING DEWATERING OPERATIONS, WATER SHALL BE PUMPED INTO AN APPROVED FILTERING DEVICE PRIOR TO DISCHARGE TO RECEIVING OUTLET
- 22. THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF-PRODUCING EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY.
- 23. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED BY CONTRACTOR ONCE STABILIZATION OR A SUFFICIENT GROUND COVER HAS BEEN ESTABLISHED OR AS DIRECTED BY THE ENGINEER. CITY OF WILSON INSPECTOR'S FINAL APPROVAL IS REQUIRED.
- 24. STABILIZATION MEASURES SHALL BE APPLIED TO STRUCTURES SUCH AS DAMS, DIKES AND DIVERSIONS IMMEDIATELY AFTER INSTALLATION.
- 25. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED DEPENDING UPON FIELD CONDITIONS. 26. LIMITS OF GRADING SHOWN ON THE PLAN ARE MAXIMUM LIMITS FOR EROSION CONTROL PURPOSES ONLY.
- 27. ANY GRADING BEYOND THE DENUDED LIMITS SHOWN ON THE PLAN IS A VIOLATION OF THE NCDEQ SOIL EROSION AND SEDIMENTATION CONTROL ORDINANCE, AND IS SUBJECT TO A FINE.
- 28. GRADING MORE THAN 43.560 SF WITHOUT AN APPROVED EROSION CONTROL PLAN IS A VIOLATION OF THE NCDEQ SOIL EROSION AND SEDIMENTATION CONTROL ORDINANCE AND IS SUBJECT TO A FINE.

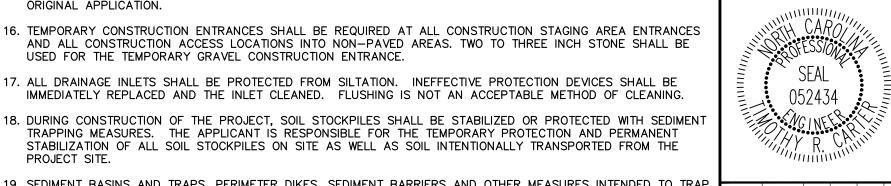
ABBREVIATIONS

*NOT ALL ABBREVIATIONS MAY BE USED FOR THIS PROJECT.

SURVEYOR TO DETERMINE ACTUAL LIMIT.

- CB CATCH BASIN YI - YARD INLET CO - CLEAN OUT
- DI DROP INLET FX - FXISTING
- FES FLARED-END-SECTION JB - JUNCTION BOX LOD - LIMITS OF DISTURBANCE
- PVC POLYVINYL CHLORIDE RCP - REINFORCED CONCRETE PIPE TYP. - TYPICAL

Know what's **below** Call before you dig.



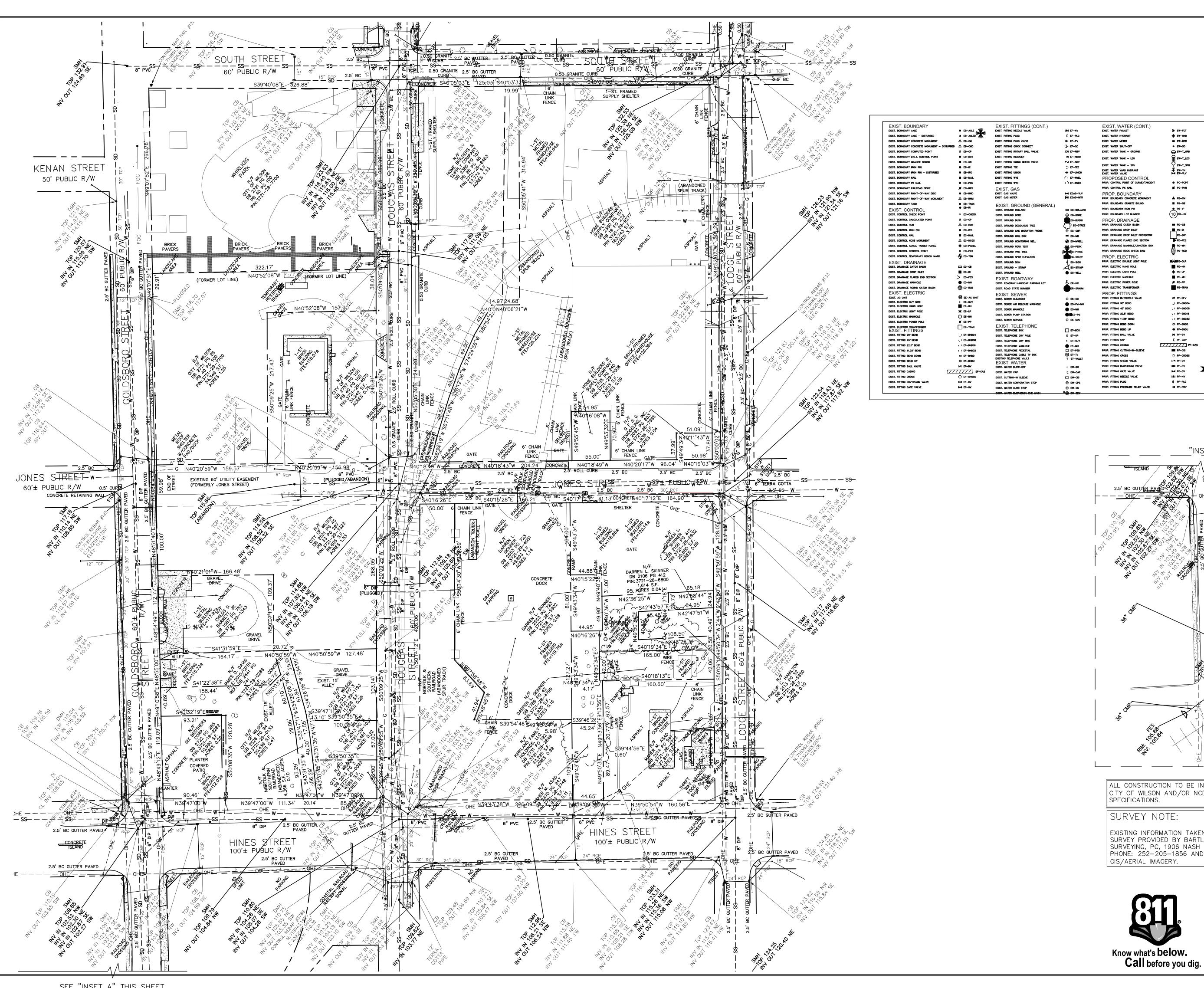
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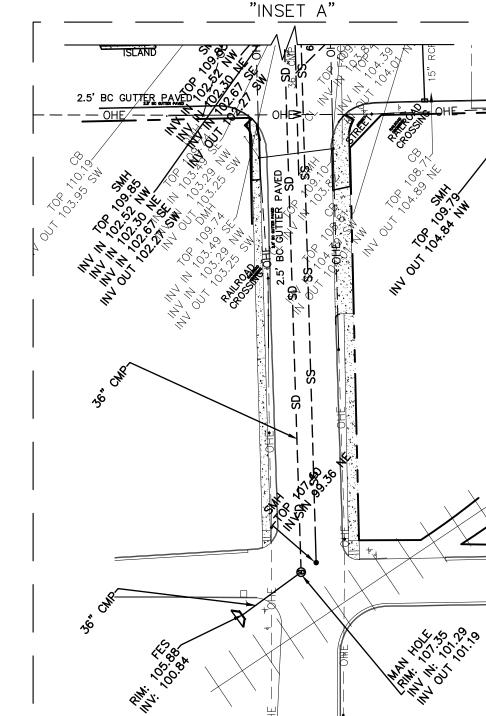
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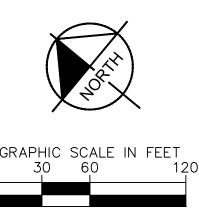
PROP. FITTINGS (CONT.) PROP. FITTING PLUG VALVE DS1 PF-RBV PROP. FITTING ROTARY BALL VALVE PROP. FITTING REDUCER ■ PF-RDCR PY PF-SCV PROP. FITTING SWING CHECK VALVE PROP. FITTING SLEEVE I PF-TEE PROP. FITTING TEE = PF-UNION PROP. FITTING UNION I PF-WYEL PROP. FITTING WYE PROP. FITTING WYE I Y PF-WYER PROP. GAS VALVE PGAS-VLV PROP. GROUND (GENERAL) PROP. GROUND BOLLARD (®) PG-BOLLARD PROP. GROUND BORING PG-BORE PROP. GROUND GAS MIGRATION PROBE PG-GMP PROP. GROUND SPOT ELEVATION PROP. GROUND WELL PG-WELL PROP. ROADWAY PROP. ROADWAY HANDICAP PARKING LOT PROP. SEWER & PR−HC ● PS-CO PROP. SEWER AIR RELEASE MANHOL PS-FM-MH PROP. TELEPHONE Т РТ-ТВ PROP. WATER PROP. WATER BLOW-OFF PW-CIS PROP. WATER CORPORATION STOP PW-CS PW-FCT PROP. WATER FAUCET PROP. WATER HYDRANT ◆ PW-HYD PW-MTR PROP. WATER METER PROP. WATER SHUT-OFF PW-SO PROP. WATER SERVICE PW-SVC PROP. WATER TANK - GROUND PW-T_GRD PW-T_LEG PW-T_SPH PROP. WATER TANK - SPH PROP. WATER VALVE ////// PF-C PW-WS



ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL CITY OF WILSON AND/OR NCDOT STANDARDS AND SPECIFICATIONS.

EXISTING INFORMATION TAKEN FROM BOUNDARY/TOPOGRAPHIC SURVEY PROVIDED BY BARTLETT ENGINEERING AND SURVEYING, PC, 1906 NASH ST. N., WILSON, NC 27893. PHONE: 252-205-1856 AND DATED AUGUST 25, 2023 AND GIS/AERIAL IMAGERY.





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CONDITIONS

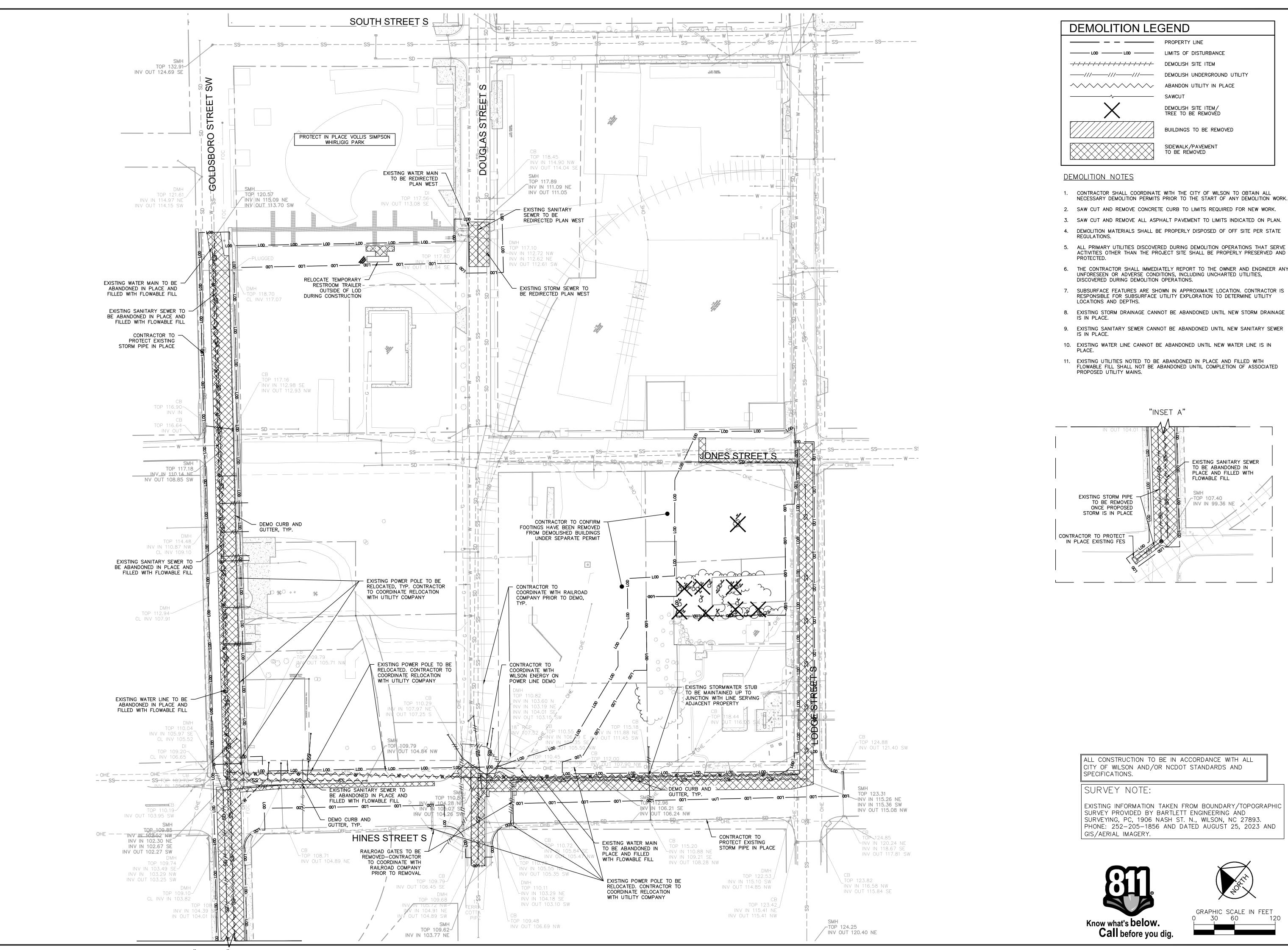
LPARK PANSION

WILSON JTILITIES

SHEET NUMBER

C1.0

OF

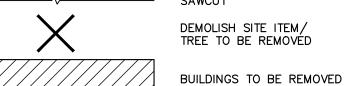


DEMOLITION LEGEND

PROPERTY LINE LIMITS OF DISTURBANCE

----//- DEMOLISH UNDERGROUND UTILITY ABANDON UTILITY IN PLACE

-/-/-/- DEMOLISH SITE ITEM



DEMOLISH SITE ITEM / TREE TO BE REMOVED

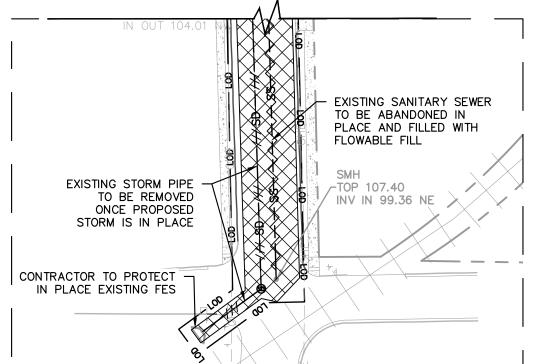
TO BE REMOVED

SIDEWALK / PAVEMENT

<u>DEMOLITION NOTES</u>

- 1. CONTRACTOR SHALL COORDINATE WITH THE CITY OF WILSON TO OBTAIN ALL NECESSARY DEMOLITION PERMITS PRIOR TO THE START OF ANY DEMOLITION WORK.
- 2. SAW CUT AND REMOVE CONCRETE CURB TO LIMITS REQUIRED FOR NEW WORK.
- 3. SAW CUT AND REMOVE ALL ASPHALT PAVEMENT TO LIMITS INDICATED ON PLAN. 4. DEMOLITION MATERIALS SHALL BE PROPERLY DISPOSED OF OFF SITE PER STATE
- REGULATIONS. 5. ALL PRIMARY UTILITIES DISCOVERED DURING DEMOLITION OPERATIONS THAT SERVE
- 6. THE CONTRACTOR SHALL IMMEDIATELY REPORT TO THE OWNER AND ENGINEER ANY UNFORESEEN OR ADVERSE CONDITIONS, INCLUDING UNCHARTED UTILITIES,
- 7. SUBSURFACE FEATURES ARE SHOWN IN APPROXIMATE LOCATION. CONTRACTOR IS RESPONSIBLE FOR SUBSURFACE UTILITY EXPLORATION TO DETERMINE UTILITY
- LOCATIONS AND DEPTHS. 8. EXISTING STORM DRAINAGE CANNOT BE ABANDONED UNTIL NEW STORM DRAINAGE
- IS IN PLACE. 10. EXISTING WATER LINE CANNOT BE ABANDONED UNTIL NEW WATER LINE IS IN
- PLACE.
- 11. EXISTING UTILITIES NOTED TO BE ABANDONED IN PLACE AND FILLED WITH FLOWABLE FILL SHALL NOT BE ABANDONED UNTIL COMPLETION OF ASSOCIATED PROPOSED UTILITY MAINS.

"INSET A"



ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL

EXISTING INFORMATION TAKEN FROM BOUNDARY/TOPOGRAPHIC

CITY OF WILSON AND/OR NCDOT STANDARDS AND

SURVEY PROVIDED BY BARTLETT ENGINEERING AND

SURVEYING, PC, 1906 NASH ST. N., WILSON, NC 27893.

SPECIFICATIONS.

SURVEY NOTE:

GIS/AERIAL IMAGERY.

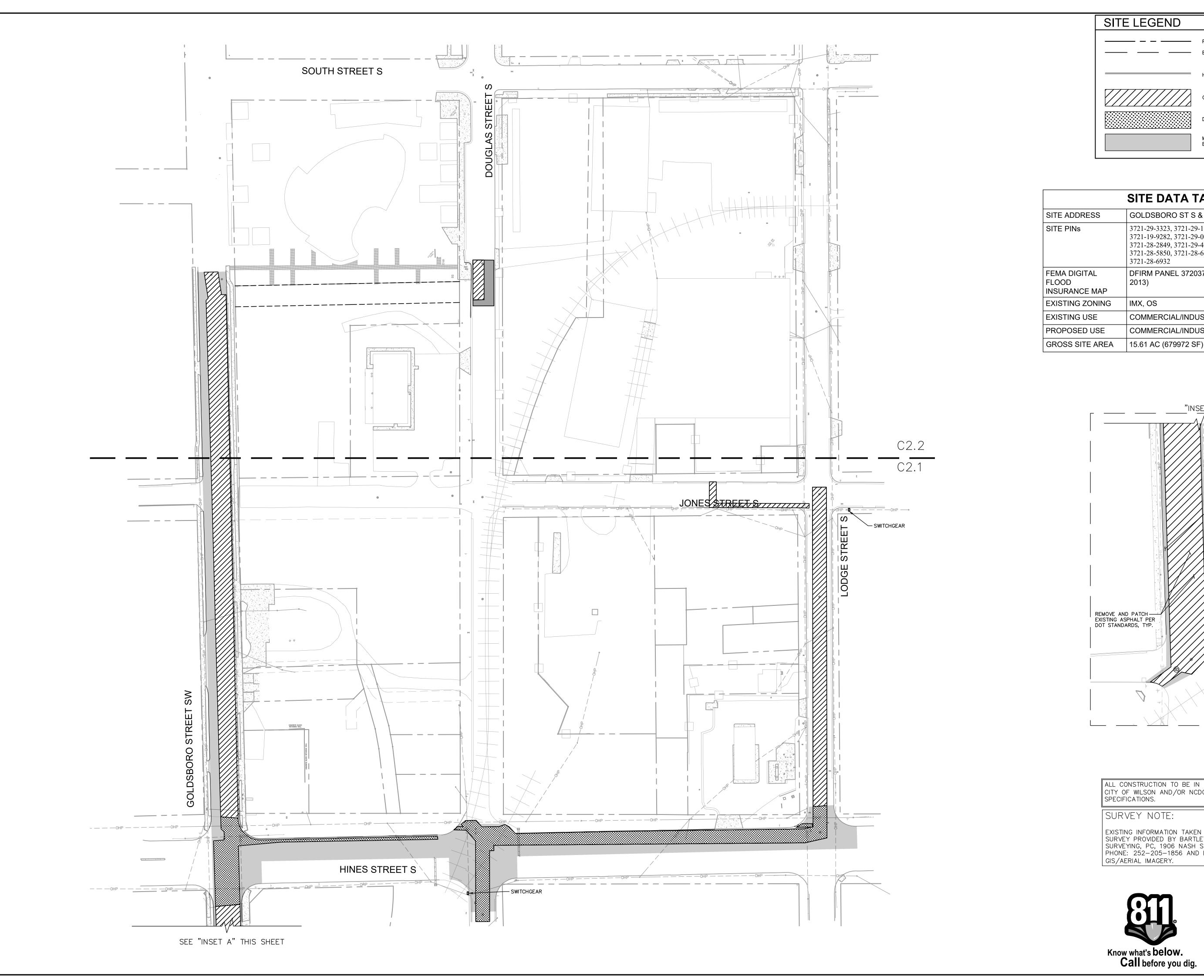
Know what's below.

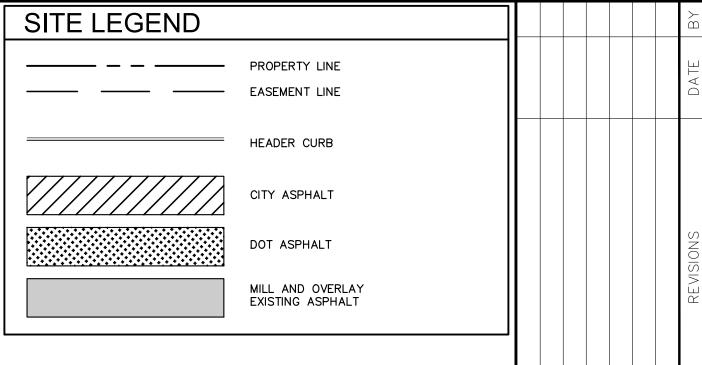
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LPARK PANSIO SON

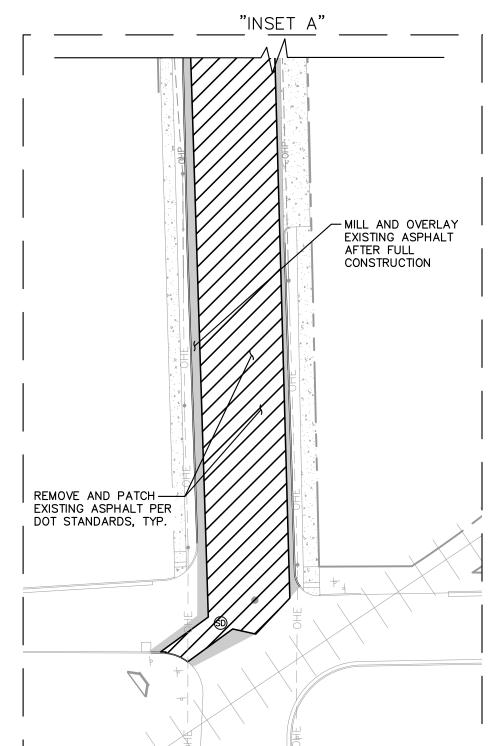
PHONE: 252-205-1856 AND DATED AUGUST 25, 2023 AND SHEET NUMBER C1.1

GRAPHIC SCALE IN FEET 30 60





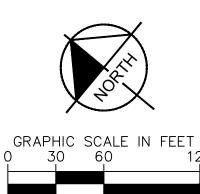
SITE DATA TABLE GOLDSBORO ST S & HINES ST S 3721-29-3323, 3721-29-1343, 3721-29-0288, 3721-29-0133, 3721-19-9282, 3721-29-0093, 3721-29-1037, 3721-29-1193, 3721-28-2849, 3721-29-4051, 3721-28-3748, 3721-28-4799, 3721-28-5850, 3721-28-6800, 3721-28-4825, 3721-28-5902, DFIRM PANEL 3720372100K (EFFECTIVE APRIL 16, COMMERCIAL/INDUSTRIAL BUILDINGS COMMERCIAL/INDUSTRIAL BUILDINGS



ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL CITY OF WILSON AND/OR NCDOT STANDARDS AND SPECIFICATIONS.

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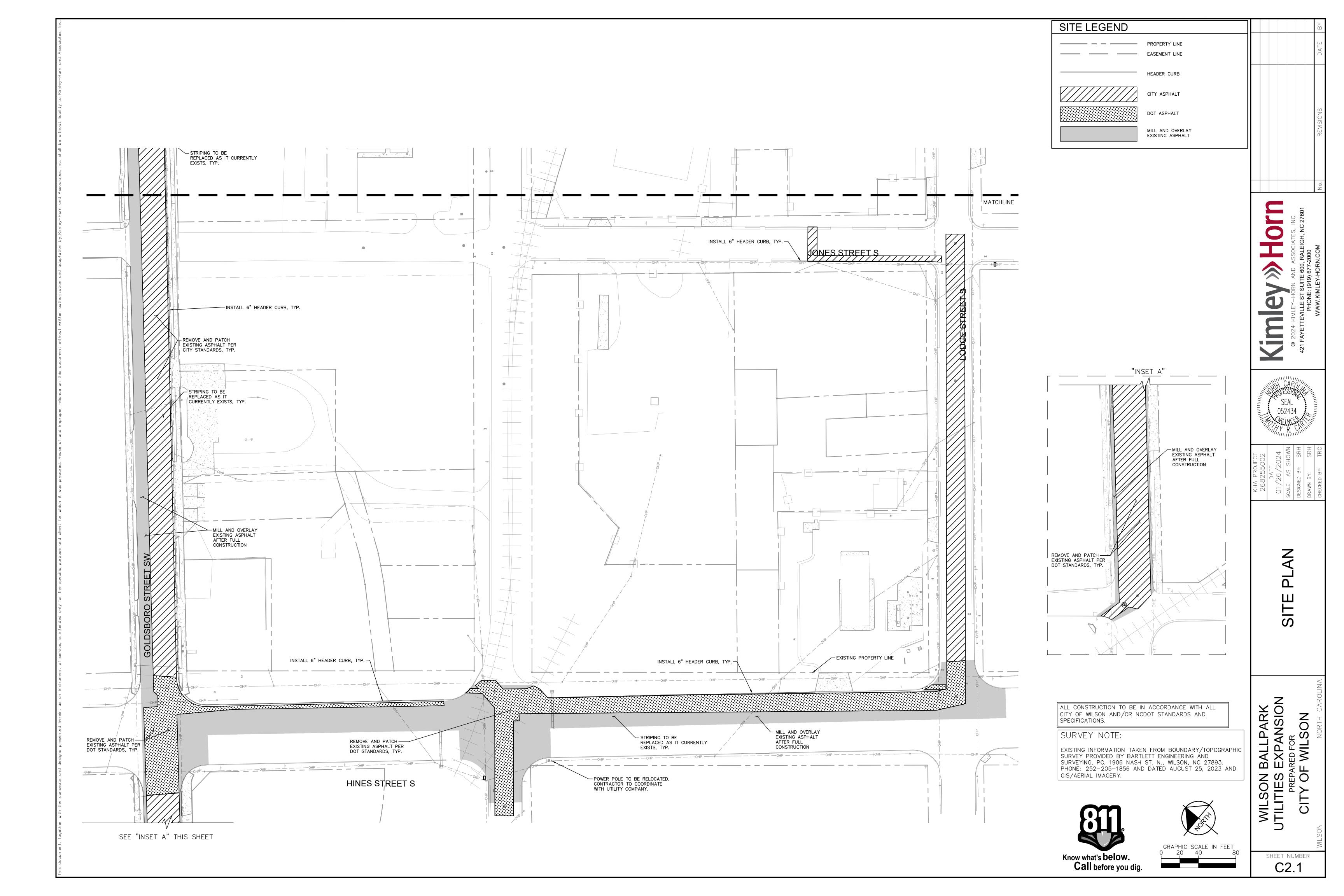


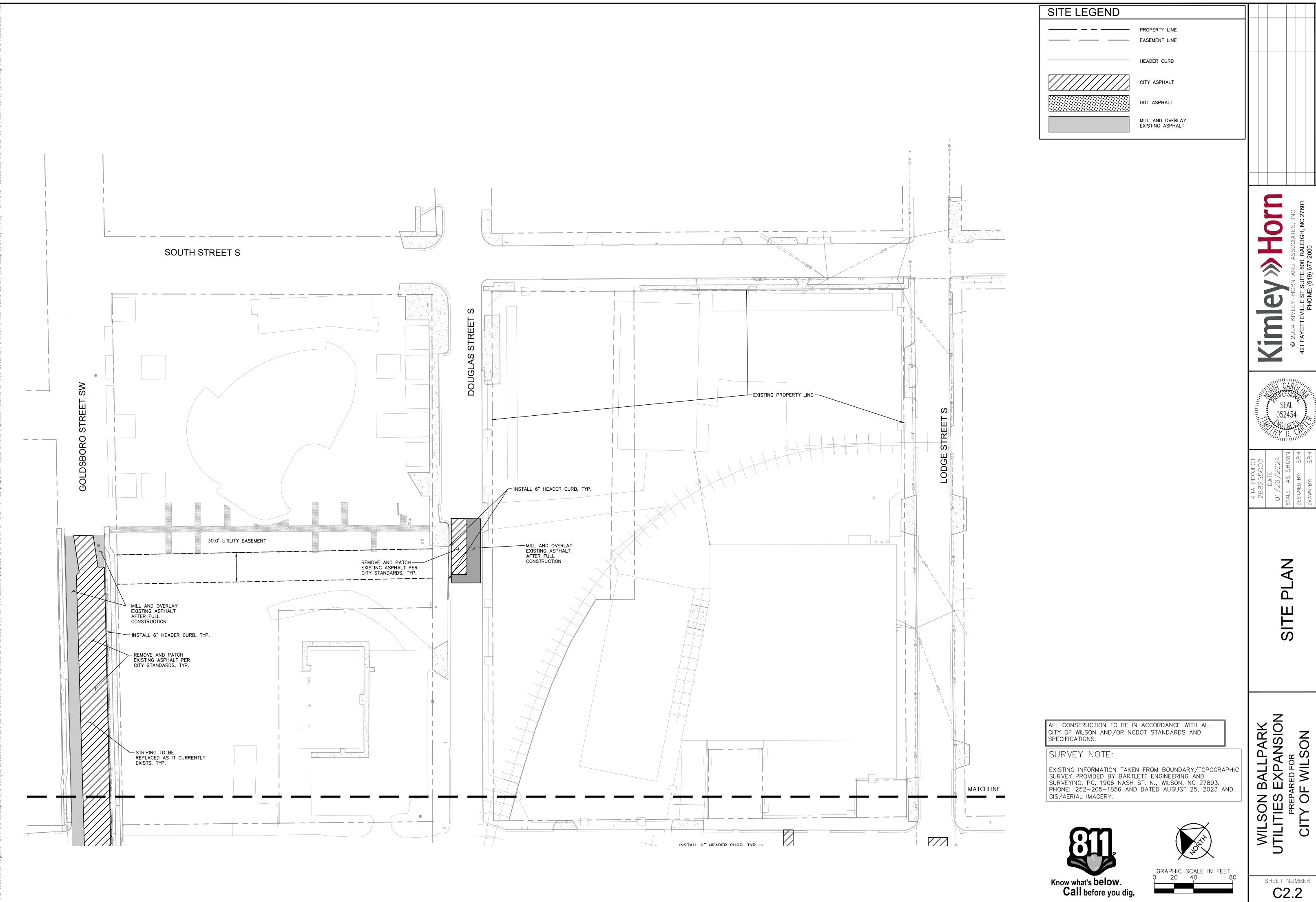


WILSON BALLPARK
UTILITIES EXPANSION
PREPARED FOR
CITY OF WILSON SHEET NUMBER

SITE

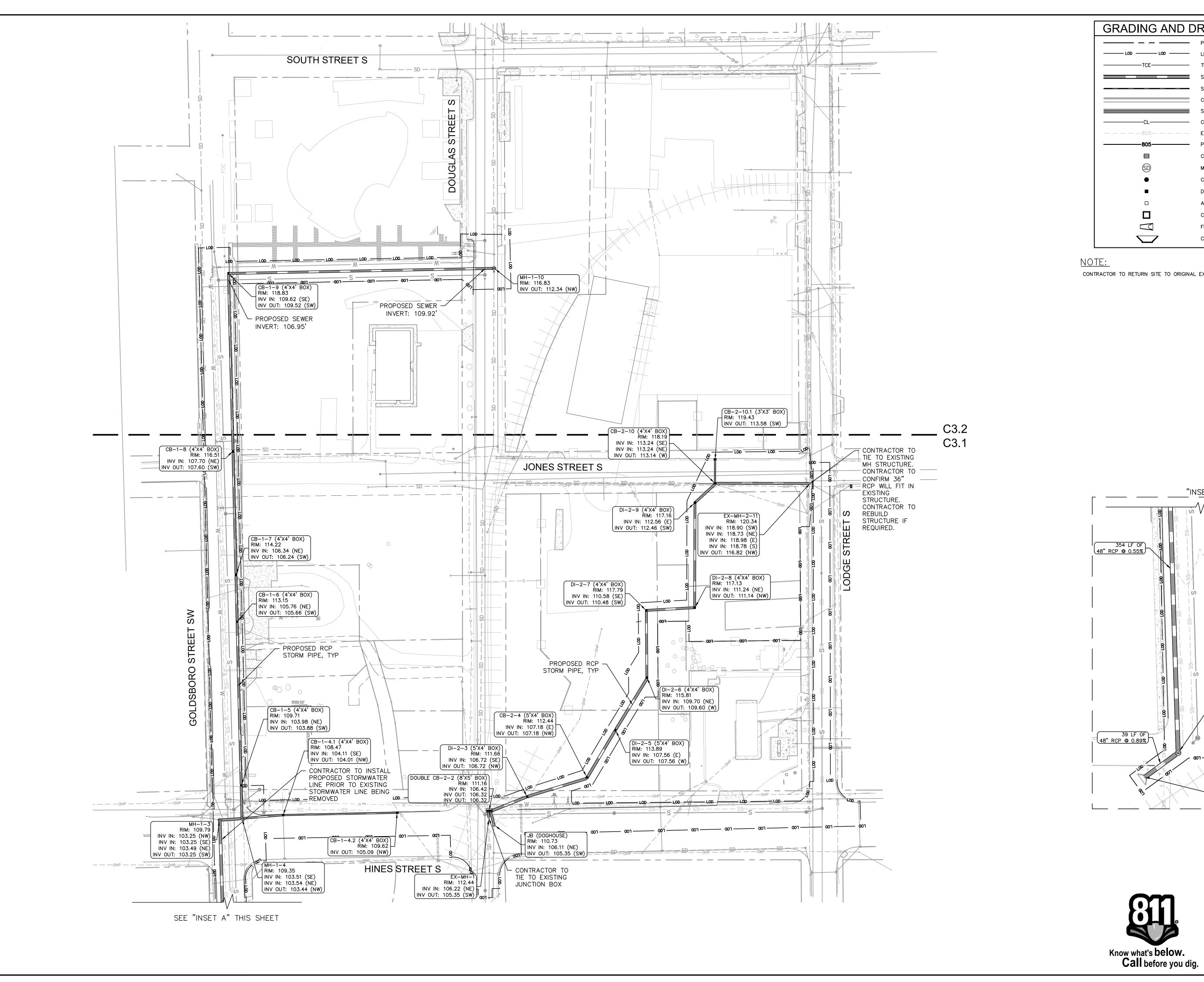
OVER





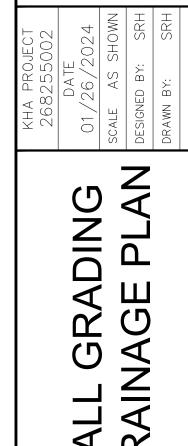


SHEET NUMBER C2.2



GRADING AND DRAINAGE LEGEND PROPERTY LINE — LOD — LIMITS OF DISTURBANCE TEMPORARY CONSTRUCTION EASEMENT STORM DRAIN (≥ 12 INCH) STORM DRAIN (< 12 INCH) CURB AND GUTTER SPILL CURB AND GUTTER CLEARING LIMITS EXISTING CONTOUR PROPOSED CONTOUR CATCH BASIN (CB) MANHOLE (SDMH) CLEANOUT (SDCO) DROP INLET (DI) AREA DRAIN (AD) CONTROL STRUCTURE (CS) FLARED END SECTION (FES) CONCRETE HEADWALL (HW)

CONTRACTOR TO RETURN SITE TO ORIGINAL EXISTING GRADES FOLLOWING CONSTRUCTION



OVERALL DR AND

BALLPARK EXPANSION

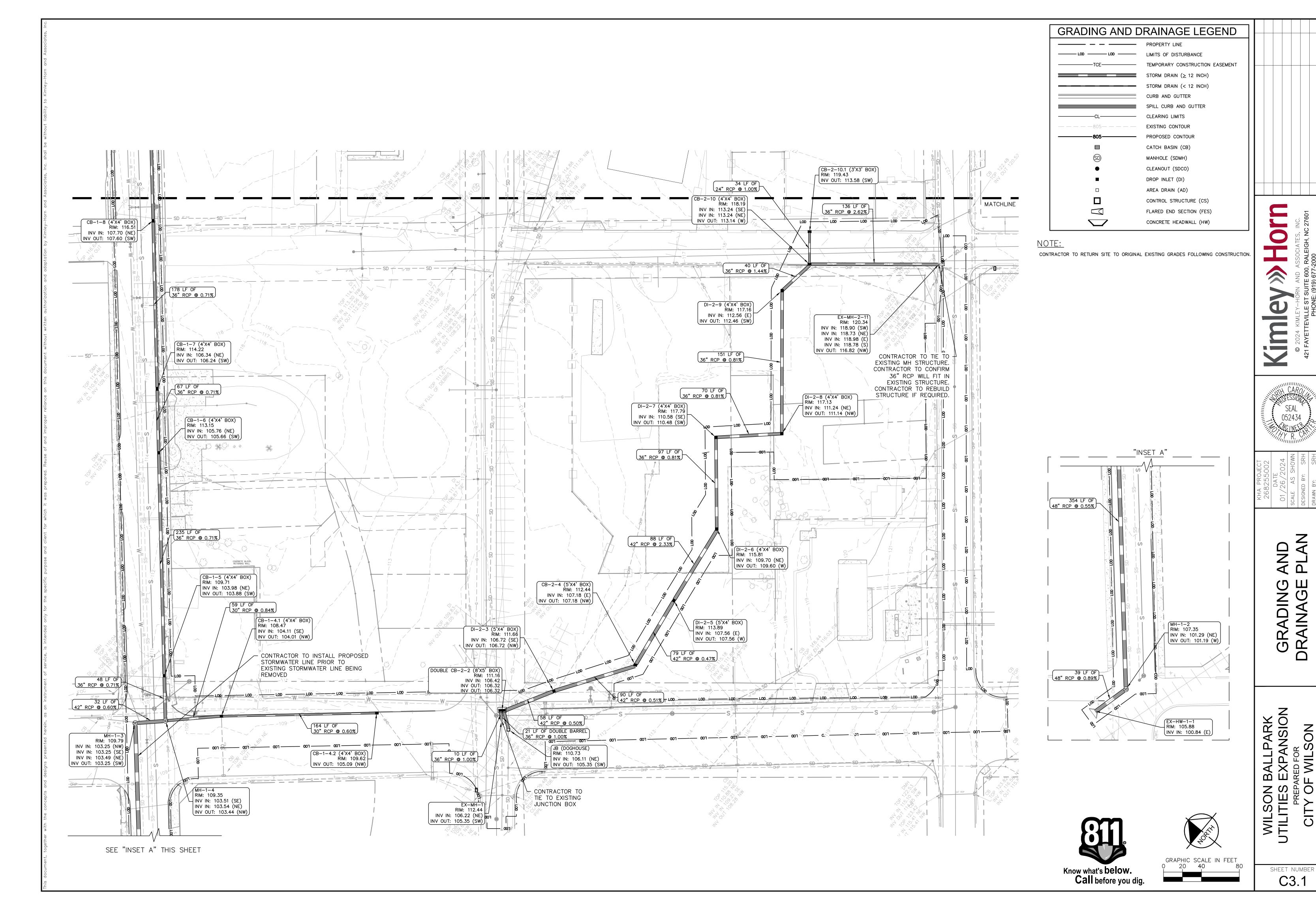
WILSON JTILITIES GRAPHIC SCALE IN FEET 0 30 60 12 SHEET NUMBER C3.0

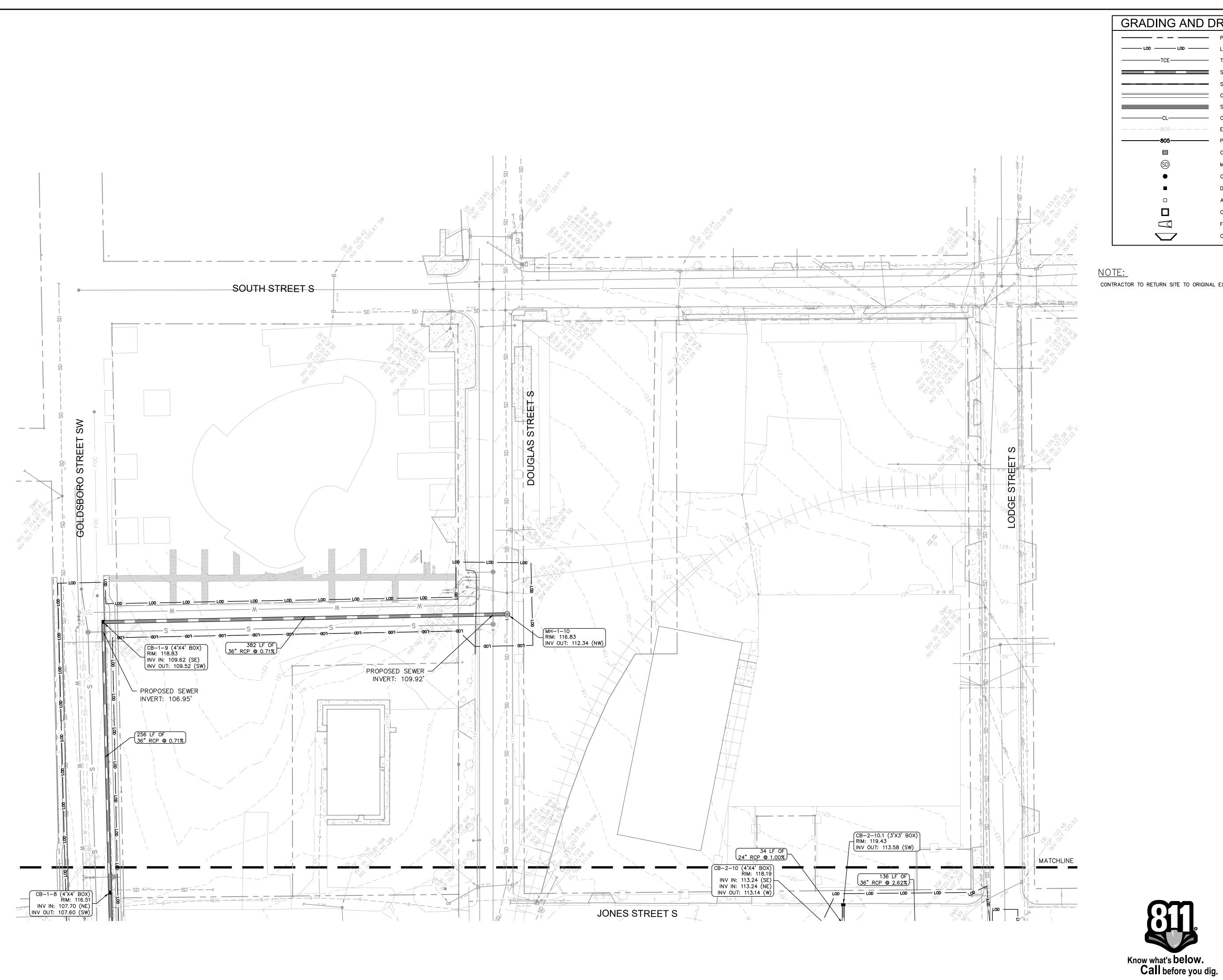
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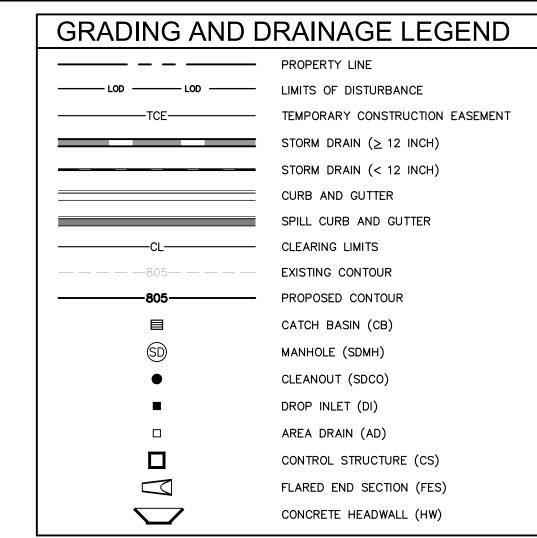
EX-HW-1-1 RIM: 105.88

INV IN: 100.84 (E)

| INV IN: 101.29 (NE) [INV OUT: 101.19 (W)]







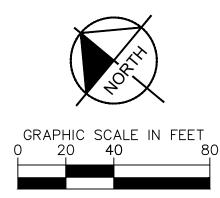
CONTRACTOR TO RETURN SITE TO ORIGINAL EXISTING GRADES FOLLOWING CONSTRUCTION.

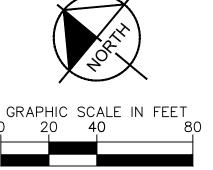


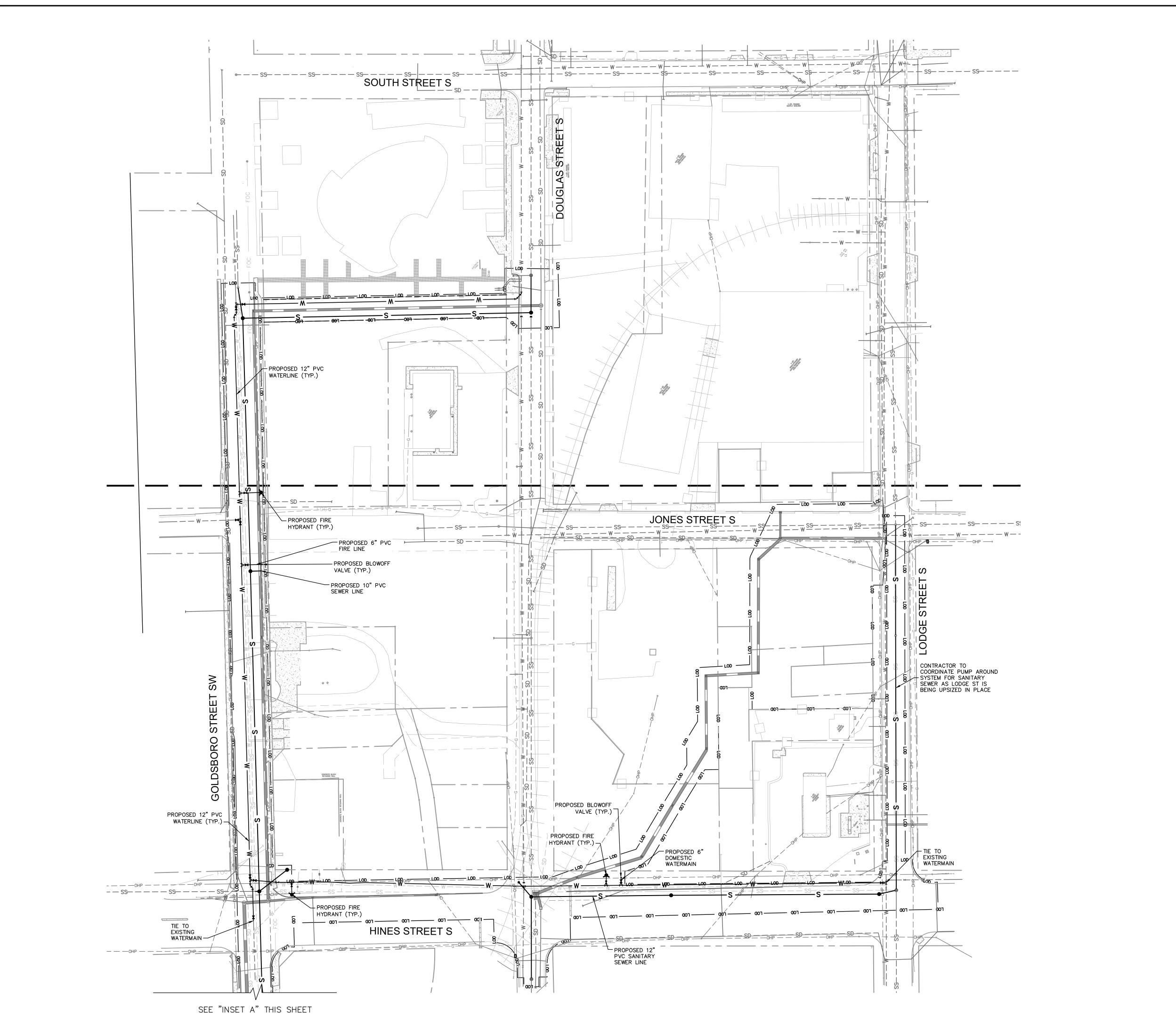
WILSON BALLPARK UTILITIES EXPANSION PREPARED FOR CITY OF WILSON

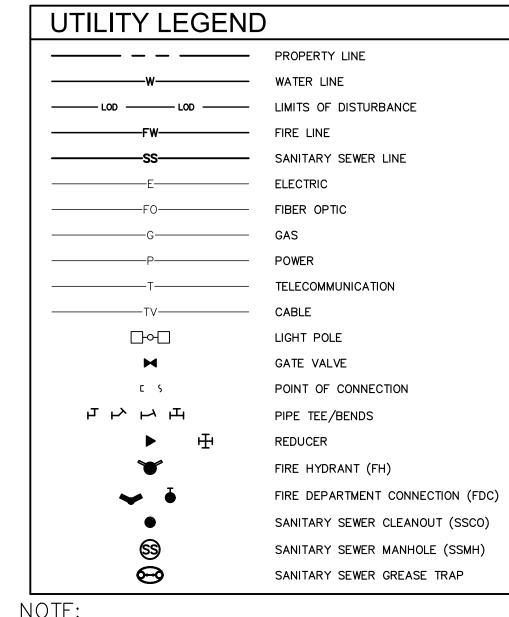
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C3.2

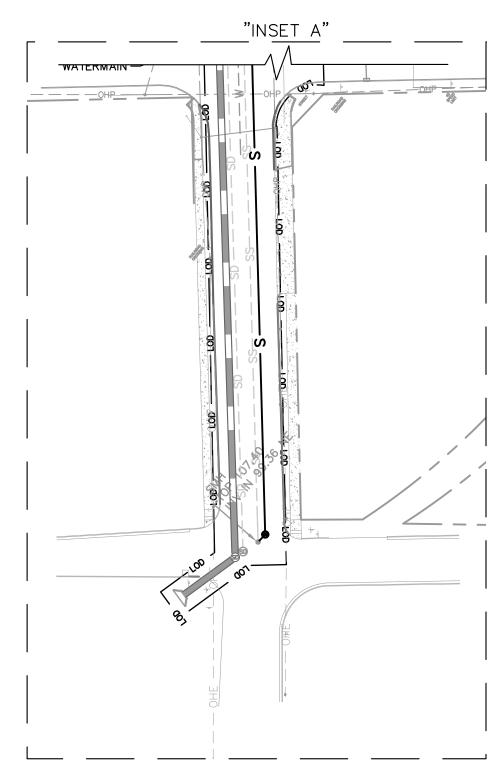








CONTRACTOR TO PROTECT EXISTING SANITARY SEWER MANHOLES WHEN UPSIZING SANITARY MAINS, UNLESS OTHERWISE SPECIFIED.

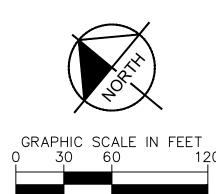


ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL CITY OF WILSON AND/OR NCDOT STANDARDS AND SPECIFICATIONS.

SURVEY NOTE:

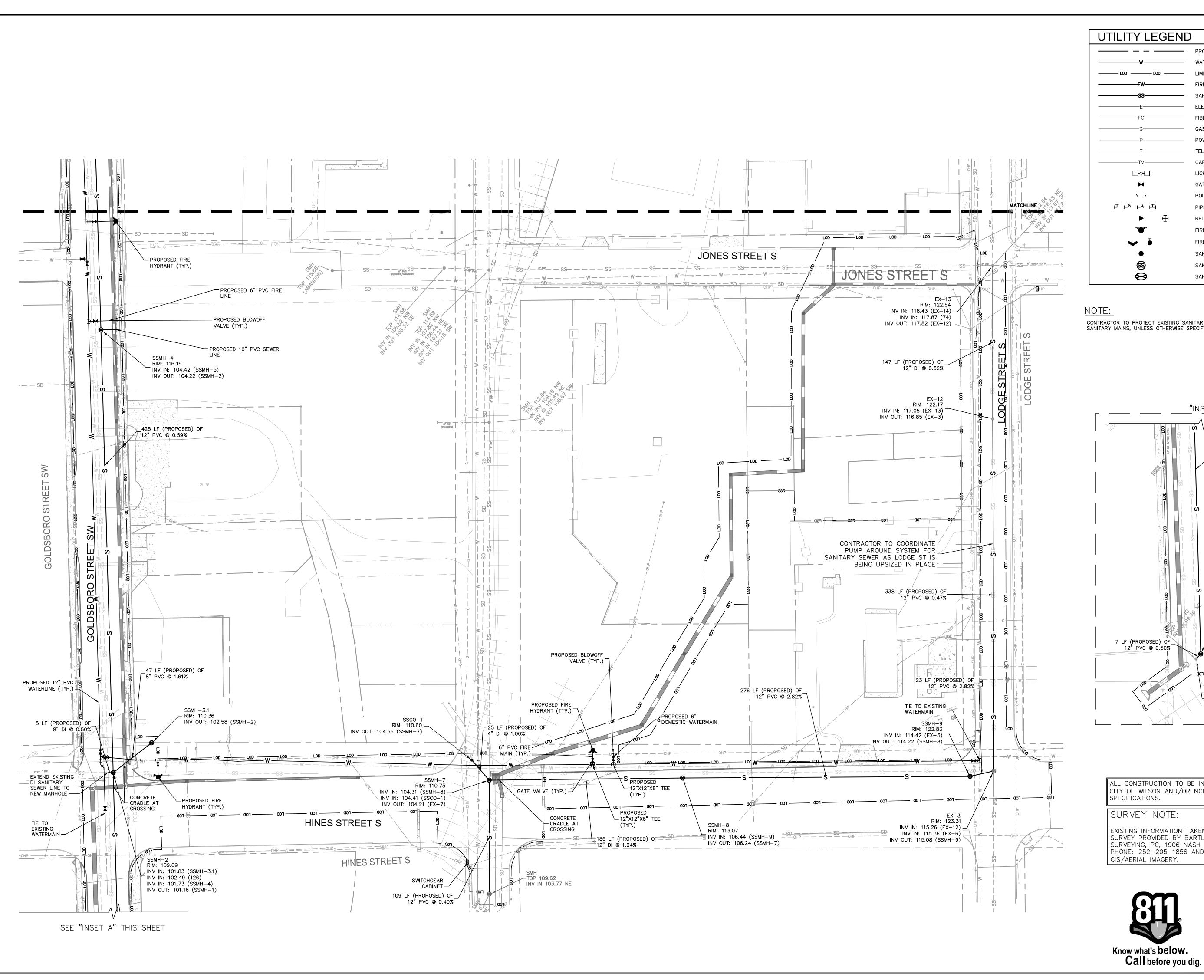
EXISTING INFORMATION TAKEN FROM BOUNDARY/TOPOGRAPHIC SURVEY PROVIDED BY BARTLETT ENGINEERING AND SURVEYING, PC, 1906 NASH ST. N., WILSON, NC 27893. PHONE: 252-205-1856 AND DATED AUGUST 25, 2023 AND GIS/AERIAL IMAGERY.





BALLPARK EXPANSION

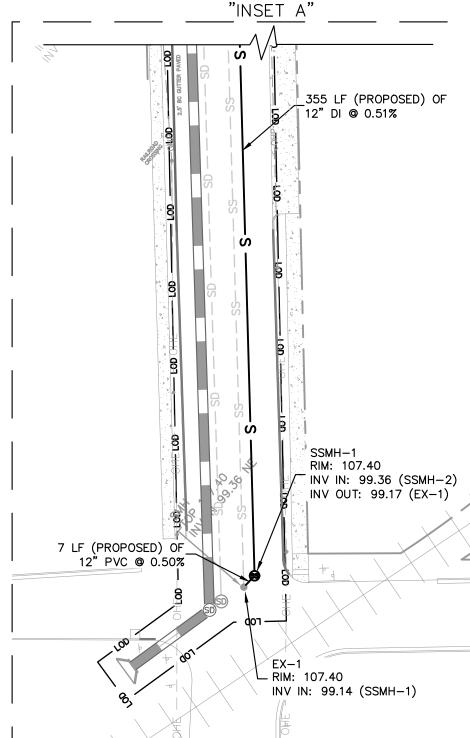
SHEET NUMBER C4.0



WATER LINE LIMITS OF DISTURBANCE — FIRE LINE SANITARY SEWER LINE ELECTRIC FIBER OPTIC TELECOMMUNICATION CABLE LIGHT POLE GATE VALVE POINT OF CONNECTION PIPE TEE/BENDS REDUCER FIRE HYDRANT (FH) FIRE DEPARTMENT CONNECTION (FDC) SANITARY SEWER CLEANOUT (SSCO) SANITARY SEWER MANHOLE (SSMH)

SANITARY SEWER GREASE TRAP

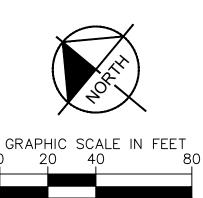
CONTRACTOR TO PROTECT EXISTING SANITARY SEWER MANHOLES WHEN UPSIZING SANITARY MAINS, UNLESS OTHERWISE SPECIFIED.



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PHONE: 252-205-1856 AND DATED AUGUST 25, 2023 AND

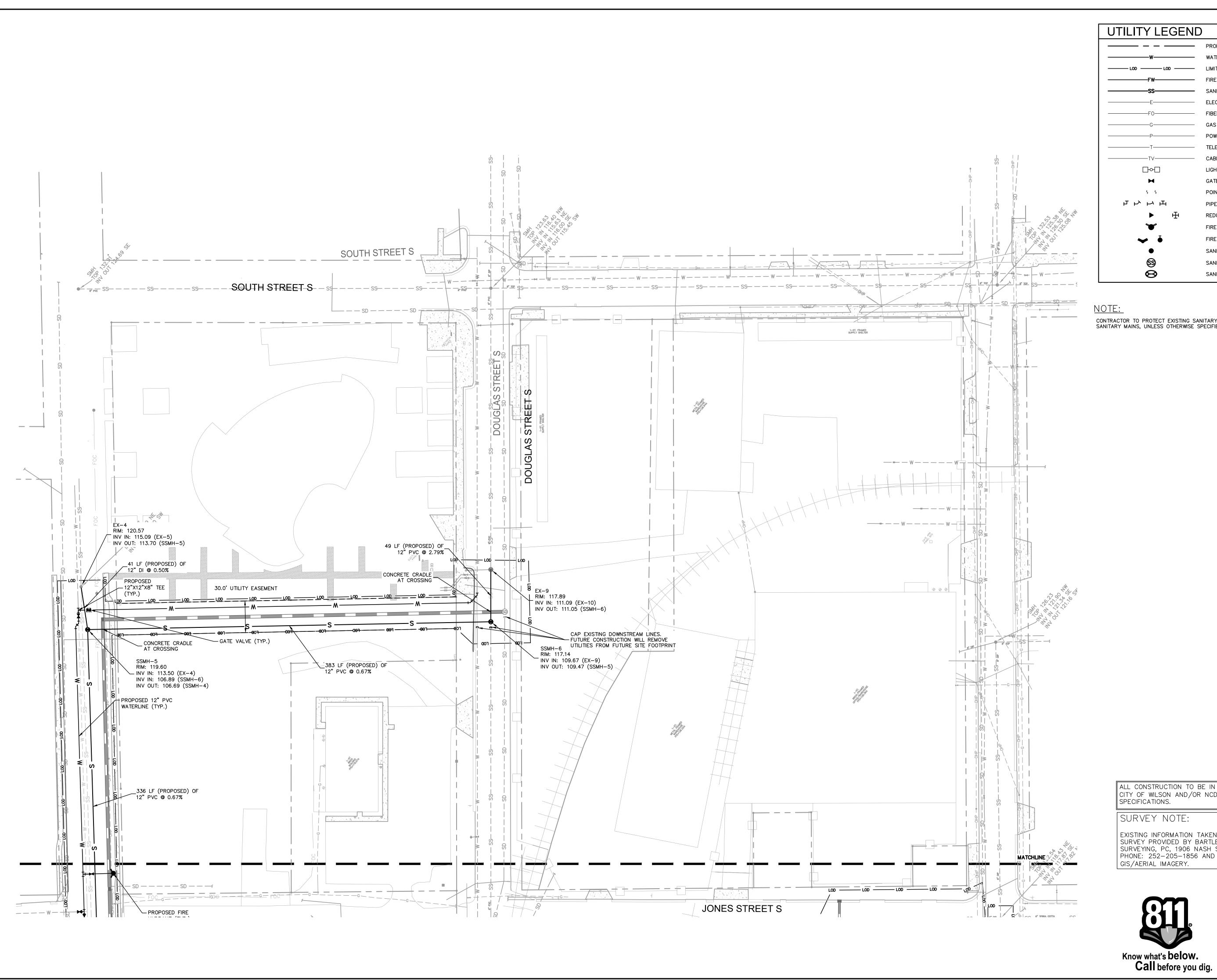




I BALLPARK
S EXPANSION
PARED FOR
OF WILSON WILSON JTILITIES PREPA CITY OF SHEET NUMBER C4.1

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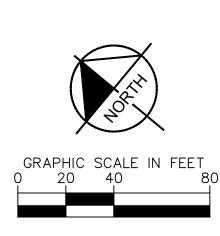
--- WATER LINE LIMITS OF DISTURBANCE FIRE LINE SANITARY SEWER LINE ELECTRIC FIBER OPTIC TELECOMMUNICATION CABLE LIGHT POLE GATE VALVE POINT OF CONNECTION PIPE TEE/BENDS REDUCER FIRE HYDRANT (FH) FIRE DEPARTMENT CONNECTION (FDC) SANITARY SEWER CLEANOUT (SSCO) SANITARY SEWER MANHOLE (SSMH) SANITARY SEWER GREASE TRAP

CONTRACTOR TO PROTECT EXISTING SANITARY SEWER MANHOLES WHEN UPSIZING SANITARY MAINS, UNLESS OTHERWISE SPECIFIED.

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL CITY OF WILSON AND/OR NCDOT STANDARDS AND SPECIFICATIONS.

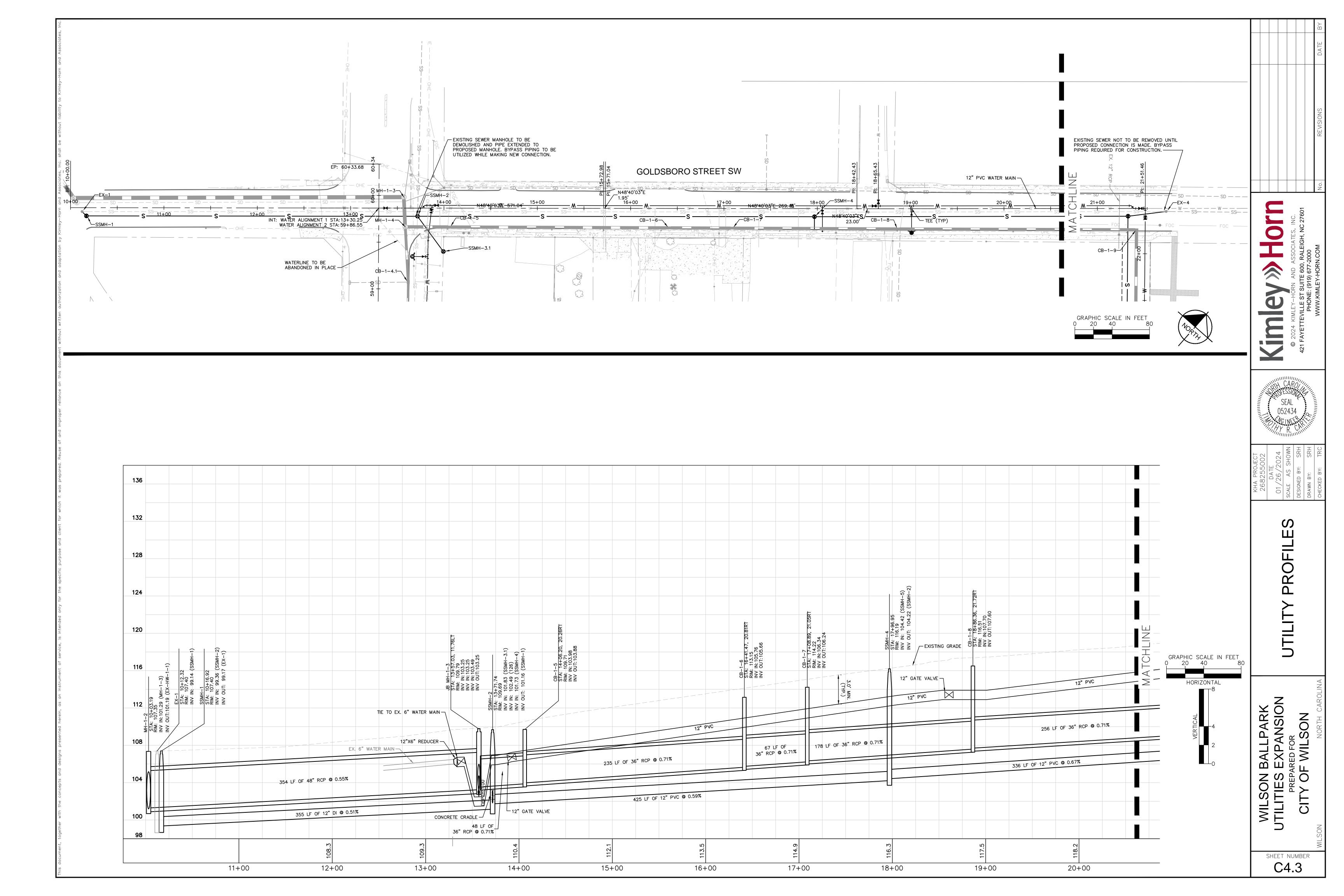
EXISTING INFORMATION TAKEN FROM BOUNDARY/TOPOGRAPHIC SURVEY PROVIDED BY BARTLETT ENGINEERING AND SURVEYING, PC, 1906 NASH ST. N., WILSON, NC 27893. PHONE: 252-205-1856 AND DATED AUGUST 25, 2023 AND

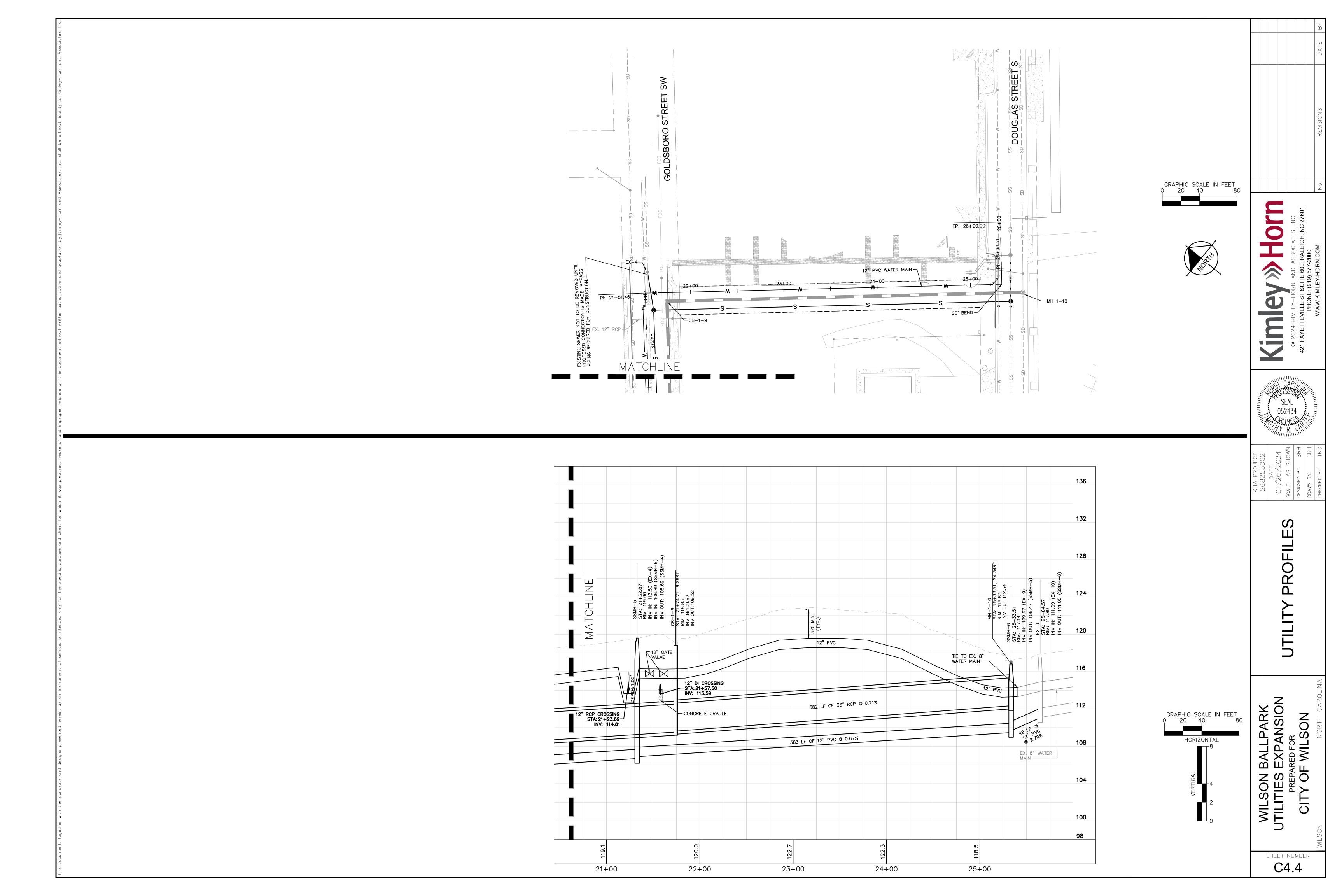


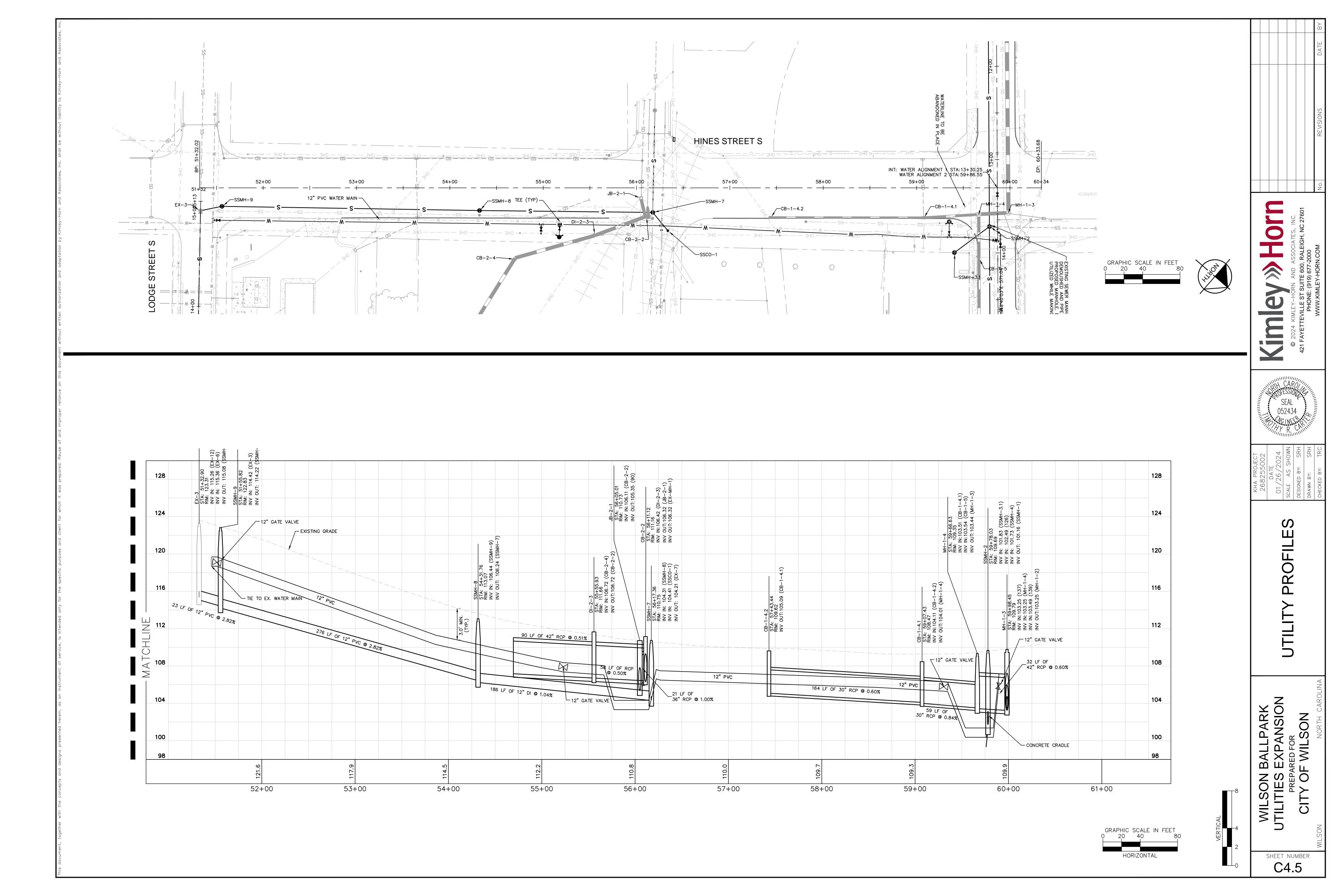


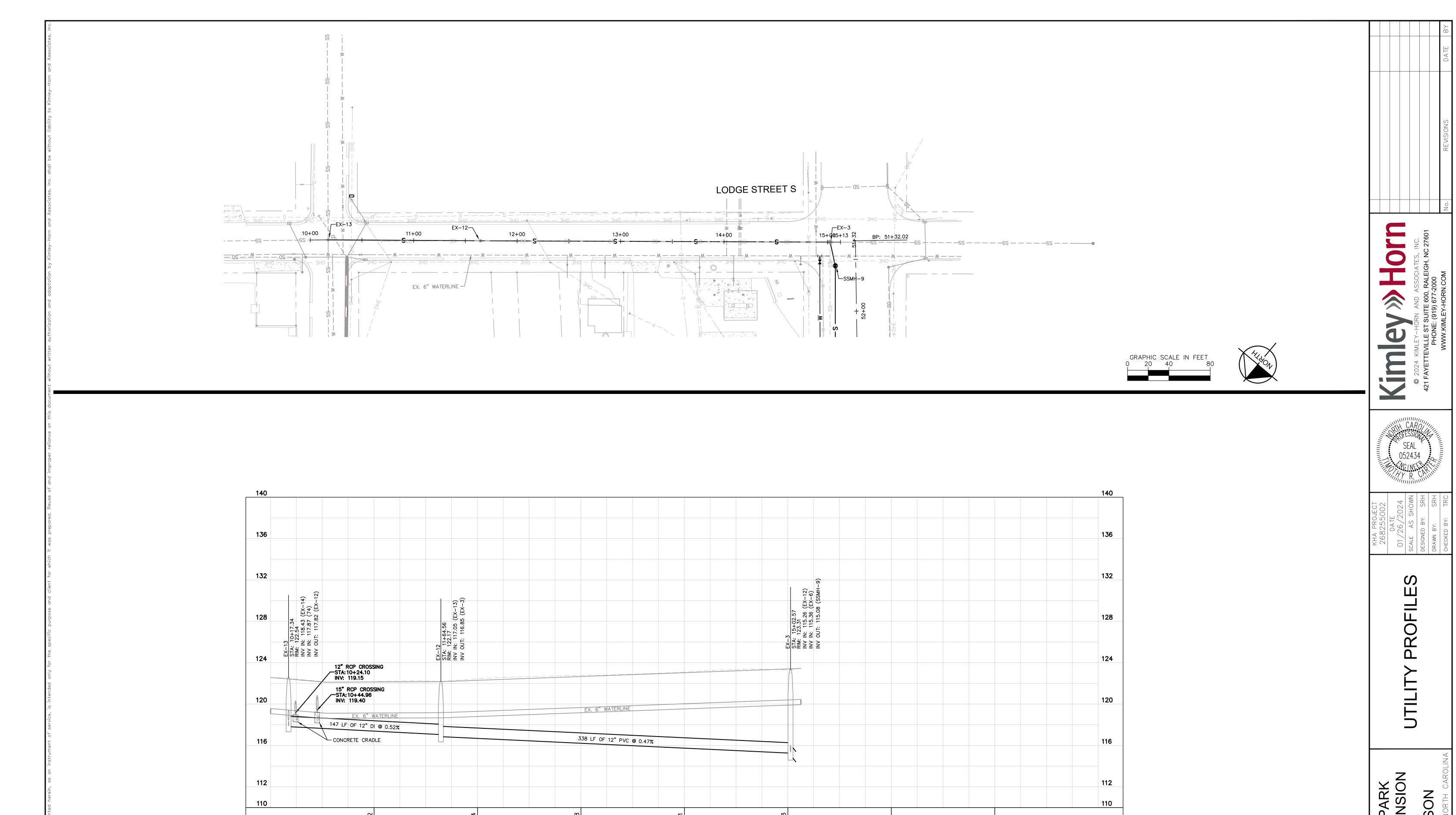
SHEET NUMBER C4.2

S EXPANSION
PARED FOR
STATEMENT OF WILSON









15+00

16+00

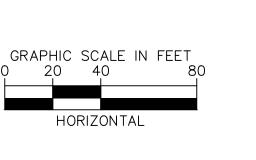
17+00

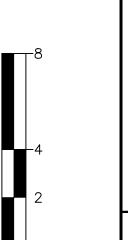
11+00

12+00

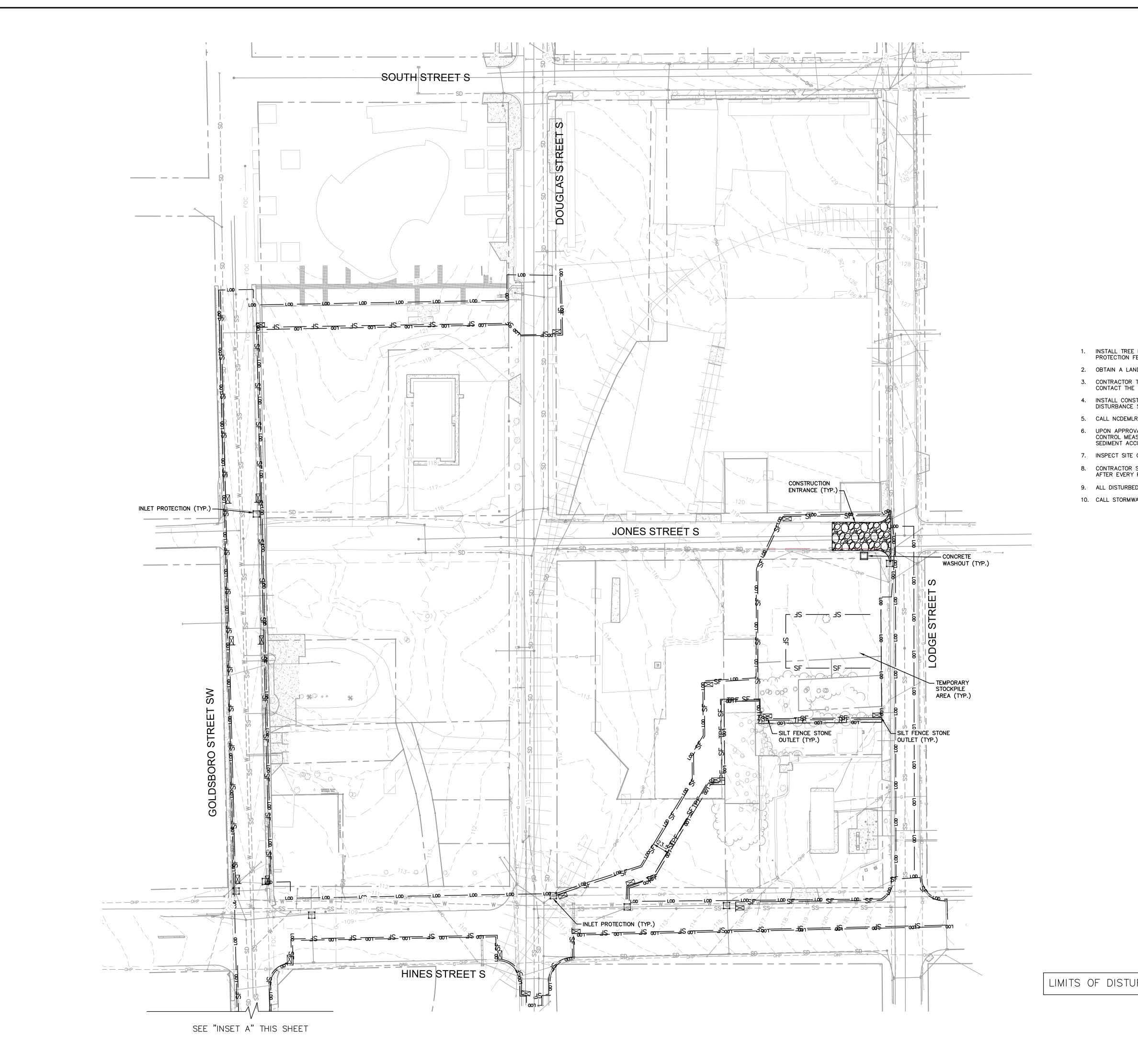
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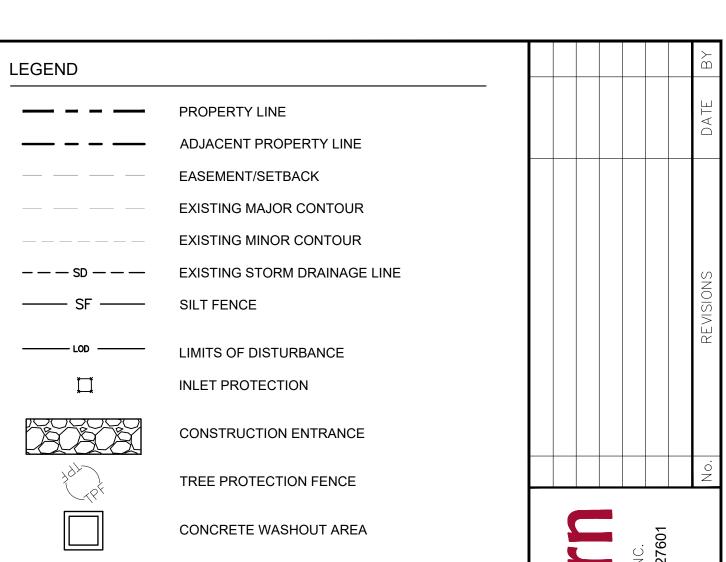
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NILSON BALLPARK
OF WILSON BALLPARK
OF WILSON
PREPARED FOR
CITY OF WILSON

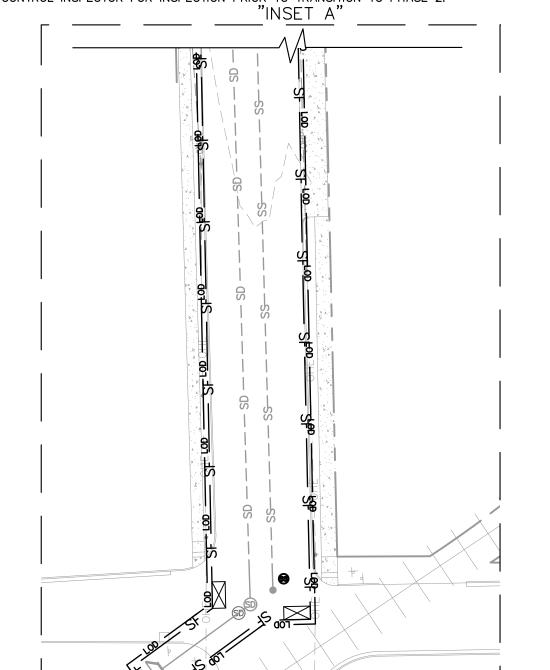




CONTRACTOR TO INSTALL INLET PROTECTION AROUND ALL EXISTING INLETS WITHIN CONTRACTOR TO RETURN SITE TO ORIGINAL EXISTING GRADES FOLLOWING

PHASE 1 CONSTRUCTION SEQUENCE

- 1. INSTALL TREE PROTECTION FENCE. CALL CITY OF WILSON TREE CONSERVATION INSPECTOR FOR APPROVAL OF TREE PROTECTION FENCING.
- 2. OBTAIN A LAND DISTURBING PERMIT FROM NCDELMR-LAND QUALITY SECTION AND POST ORIGINAL PERMIT ON-SITE.
- 3. CONTRACTOR TO SCHEDULE PRE-CONSTRUCTION CONFERENCE ON-SITE WITH CITY AND NCDEMLR-LAND QUALITY SECTION. CONTACT THE STORMWATER CONTROL INSPECTOR.
- 4. INSTALL CONSTRUCTION ENTRANCE, SILT FENCE, STONE OUTLETS, INLET PROTECTION, AND CONCRETE WASHOUT. DISTURBANCE SHALL BE LIMITED TO THE INSTALLATION OF THESE DEVICES ONLY.
- 5. CALL NCDEMLR-LAND QUALITY SECTION INSPECTOR FOR INSPECTION OF EROSION CONTROL MEASURES.
- 6. UPON APPROVAL BY NCDEMLR-LAND QUALITY SECTION, BEGIN CLEARING AND DEMOLITION OF SITE, MAINTAINING EROSION CONTROL MEASURES AS NECESSARY. EROSION CONTROL MEASURES SHALL BE RESTORED TO ORIGINAL DIMENSIONS WHEN SEDIMENT ACCUMULATES TO 50% OF DESIGN DEPTH.
- 7. INSPECT SITE ONCE A WEEK AND AFTER EVERY RAINFALL EVENT.
- 8. CONTRACTOR SHALL INSPECT ALL EROSION AND SEDIMENT CONTROL DEVICES EVERY SEVEN (7) CALENDAR DAYS AND AFTER EVERY RAINFALL EVENT. DAMAGED OR INEFFECTIVE DEVICES SHALL BE REPLACED IMMEDIATELY.
- 9. ALL DISTURBED AREA WHERE WORK HAS CEASED SHALL BE STABILIZED WITHIN FOURTEEN (14) CALENDAR DAYS.
- 10. CALL STORMWATER CONTROL INSPECTOR FOR INSPECTION PRIOR TO TRANSITION TO PHASE 2.



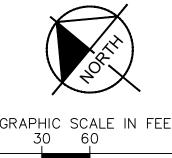
ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL CITY OF WILSON AND/OR NCDOT STANDARDS AND SPECIFICATIONS.

SURVEY NOTE:

EXISTING INFORMATION TAKEN FROM BOUNDARY/TOPOGRAPHIC SURVEY PROVIDED BY BARTLETT ENGINEERING AND SURVEYING, PC, 1906 NASH ST. N., WILSON, NC 27893. PHONE: 252-205-1856 AND DATED AUGUST 25, 2023 AND GIS/AERIAL IMAGERY.

LIMITS OF DISTURBANCE: 4.38

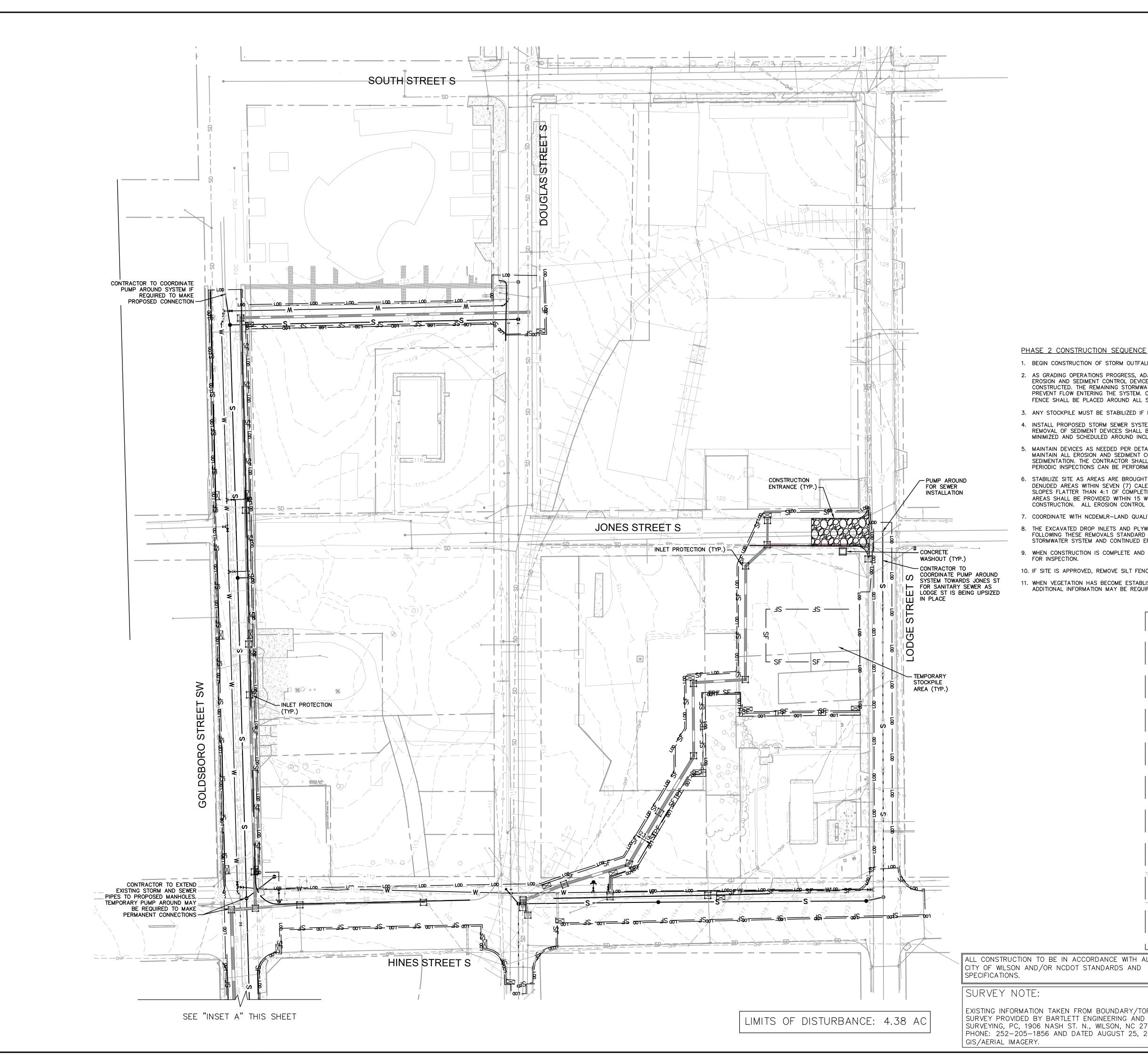




BALLPARK
EXPANSION
PARED FOR
F WILSON WILSON

SHEET NUMBER C5.0

EROSION SEDIMENT, CONTROL F



LEGEND PROPERTY LINE ADJACENT PROPERTY LINE EASEMENT/SETBACK EXISTING MAJOR CONTOUR EXISTING MINOR CONTOUR --- SD --- EXISTING STORM DRAINAGE LINE PROPOSED STORM DRAINAGE LINE LIMITS OF DISTURBANCE INLET PROTECTION

CONSTRUCTION ENTRANCE TREE PROTECTION FENCE

CONCRETE WASHOUT AREA

CONTRACTOR TO INSTALL INLET PROTECTION AROUND ALL EXISTING INLETS WITHIN CONTRACTOR TO RETURN SITE TO ORIGINAL EXISTING GRADES FOLLOWING

CONSTRUCTION. LOD AREA: 5.14 ACRES

PHASE 2 CONSTRUCTION SEQUENCE

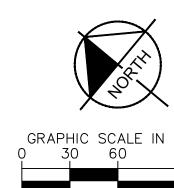
- 1. BEGIN CONSTRUCTION OF STORM OUTFALL PIPES AND STRUCTURES.
- 2. AS GRADING OPERATIONS PROGRESS, ADJUST CONTROL MEASURES AS NEEDED TO MAINTAIN POSITIVE FLOW AT ALL TIMES INTO EROSION AND SEDIMENT CONTROL DÉVICES. OUTLET DISSIPATERS AND INLET PROTECTION SHALL BE INSTALLED AS STORM DRAIN IS CONSTRUCTED. THE REMAINING STORMWATER INLETS WITHOUT EXCAVATED DROP INLETS SHALL BE COVERED WITH PLYWOOD TO PREVENT FLOW ENTERING THE SYSTEM. CONTRACTOR SHALL NOT DISTURB BEYOND THE LIMITS OF DISTURBANCE BOUNDARY. SILT FENCE SHALL BE PLACED AROUND ALL SOIL STOCKPILES A MIN. OF 3' FROM TOE OF SLOPE.
- 3. ANY STOCKPILE MUST BE STABILIZED IF INACTIVE FOR MORE THAN SEVEN (7) CALENDAR DAYS.
- 4. INSTALL PROPOSED STORM SEWER SYSTEM AND INLET PROTECTION. UTILITY AND STORM SEWER SYSTEM INSTALLATION REQUIRING REMOVAL OF SEDIMENT DEVICES SHALL BE COMPLETED IN THE MINIMUM TIME POSSIBLE. DOWN TIME OF ALL DEVICES SHOULD BE MINIMIZED AND SCHEDULED AROUND INCLEMENT WEATHER IF PRACTICABLE.
- 5. MAINTAIN DEVICES AS NEEDED PER DETAILS AND SPECIFICATIONS. THE CONTRACTOR SHALL DILIGENTLY AND CONTINUOUSLY MAINTAIN ALL EROSION AND SEDIMENT CONTROL DEVICES AND STRUCTURES TO MINIMIZE EROSION AND POTENTIAL OFFSITE SEDIMENTATION. THE CONTRACTOR SHALL MAINTAIN CLOSE CONTACT WITH THE NCDENR EROSION CONTROL INSPECTOR SO THAT PERIODIC INSPECTIONS CAN BE PERFORMED AT APPROPRIATE STAGES OF CONSTRUCTION.
- 6. STABILIZE SITE AS AREAS ARE BROUGHT UP TO FINISH GRADE WITH VEGETATION, PAVING, DITCH LININGS, ETC. SEED AND MULCH DENUDED AREAS WITHIN SEVEN (7) CALENDAR DAYS FOR SLOPES STEEPER THAN 3:1 AND FOURTEEN (14) CALENDAR DAYS FOR SLOPES FLATTER THAN 4:1 OF COMPLETION OF ANY PHASE OF CONSTRUCTION. PERMANENT GROUND COVER FOR ALL DISTURBED AREAS SHALL BE PROVIDED WITHIN 15 WORKING DAYS OR 90 CALENDAR DAYS (WHICHEVER IS SHORTER) FOLLOWING COMPLETION OF CONSTRUCTION. ALL EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL PERMANENT VEGETATION IS WELL ESTABLISHED.
- 7. COORDINATE WITH NCDEMLR-LAND QUALITY INSPECTOR PRIOR TO REMOVAL OF ANY EROSION CONTROL MEASURE.
- THE EXCAVATED DROP INLETS AND PLYWOOD COVERING STORMWATER INLETS ARE TO BE REMOVED ONCE SITE IS STABILIZED. FOLLOWING THESE REMOVALS STANDARD INLET PROTECTION IS TO BE PLACED ON ALL STORMWATER INLETS ALLOWING FLOW TO THE STORMWATER SYSTEM AND CONTINUED EROSION PROTECTION.
- WHEN CONSTRUCTION IS COMPLETE AND ALL AREAS ARE STABILIZED COMPLETELY, CALL THE NCDEMLR-LAND QUALITY INSPECTOR
- 10. IF SITE IS APPROVED, REMOVE SILT FENCING AND INLET PROTECTION. SEED OUT OR STABILIZE ANY RESULTING BARE AREAS.
- 11. WHEN VEGETATION HAS BECOME ESTABLISHED, CALL FOR A FINAL SITE INSPECTION BY THE NCDEMLR-LAND QUALITY INSPECTOR. ADDITIONAL INFORMATION MAY BE REQUIRED BY LAND QUALITY ENGINEER BEFORE PLAN APPROVAL IS ISSUED.

"INSET A"

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL

EXISTING INFORMATION TAKEN FROM BOUNDARY/TOPOGRAPHIC SURVEY PROVIDED BY BARTLETT ENGINEERING AND SURVEYING, PC, 1906 NASH ST. N., WILSON, NC 27893. PHONE: 252-205-1856 AND DATED AUGUST 25, 2023 AND



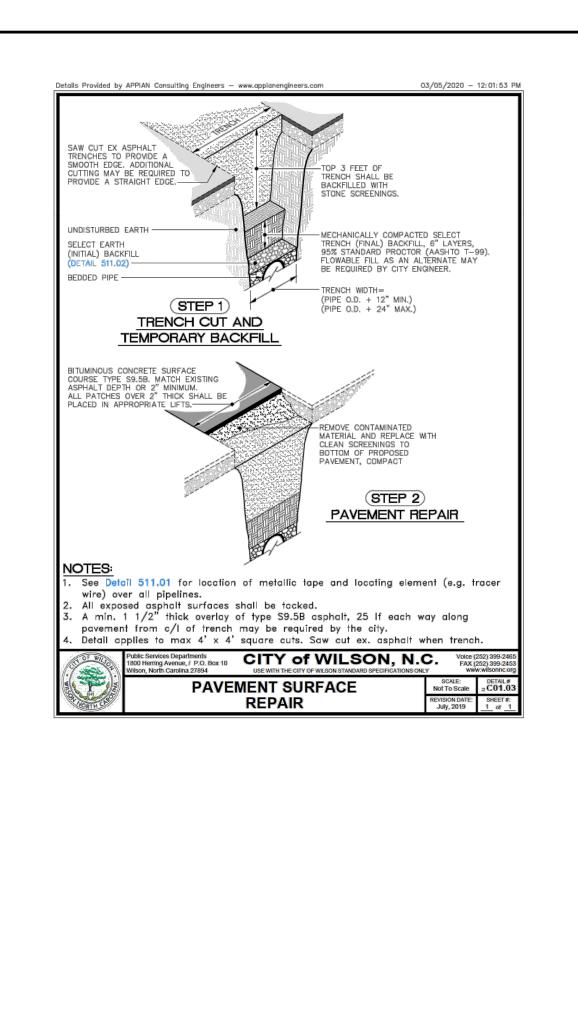


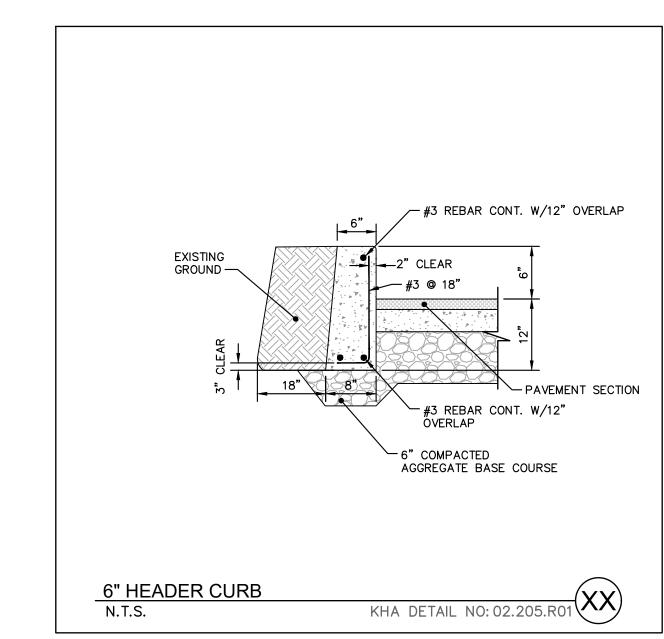
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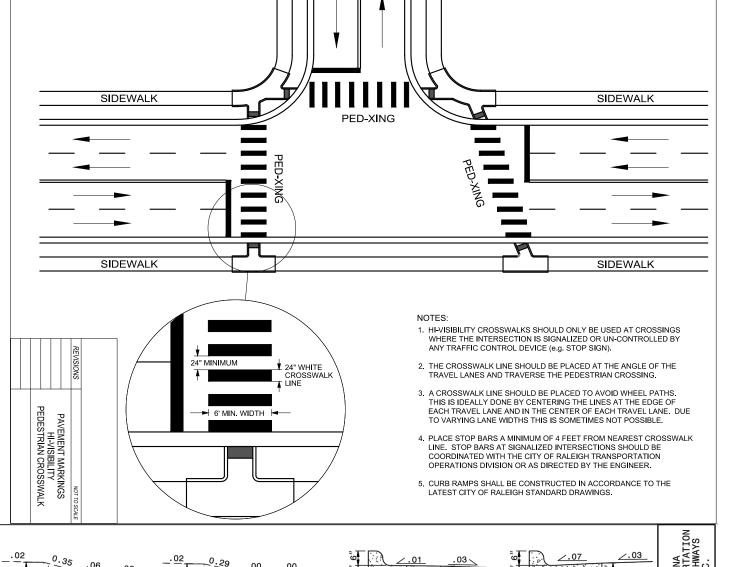
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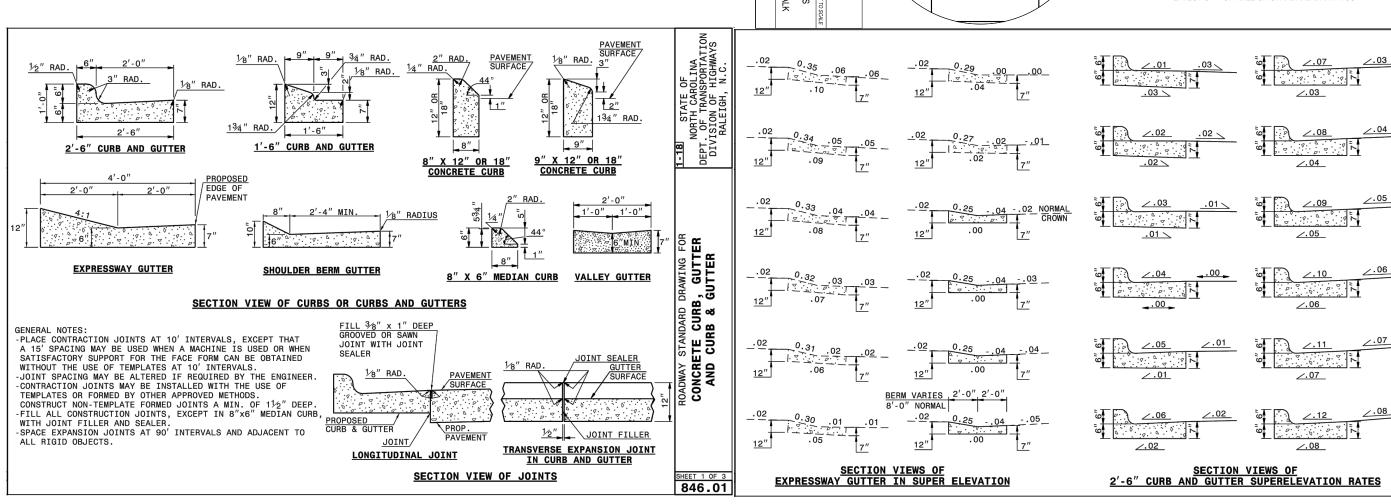
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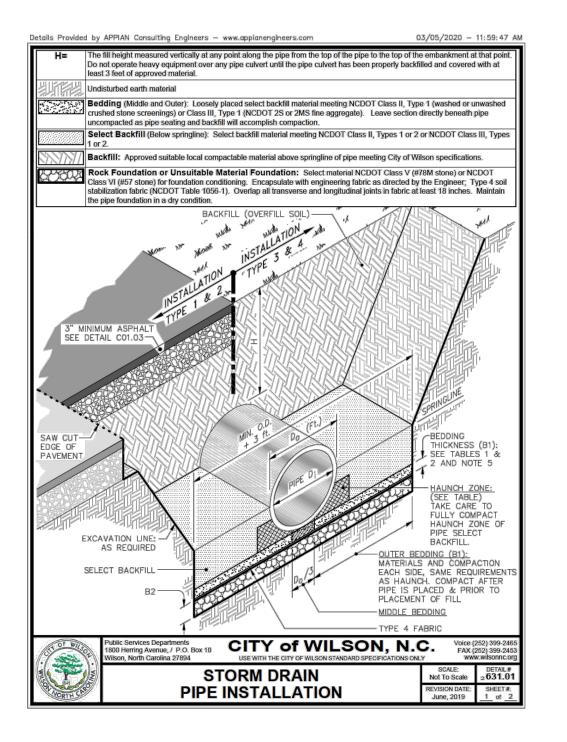


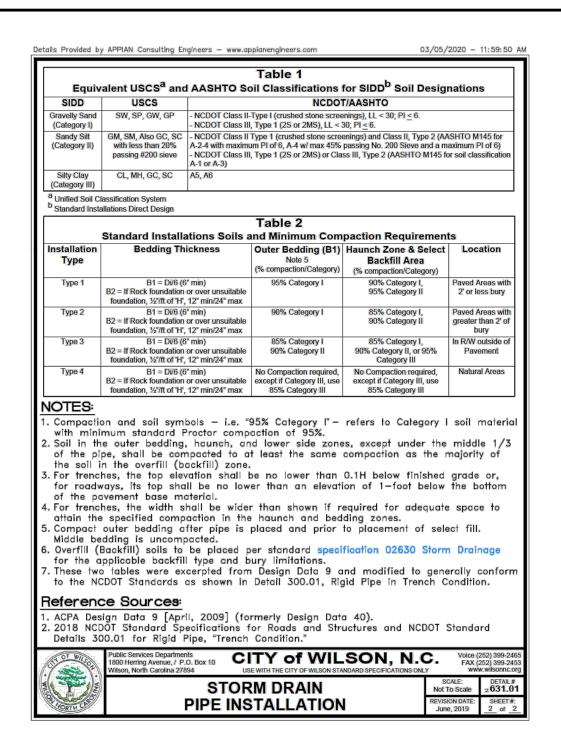


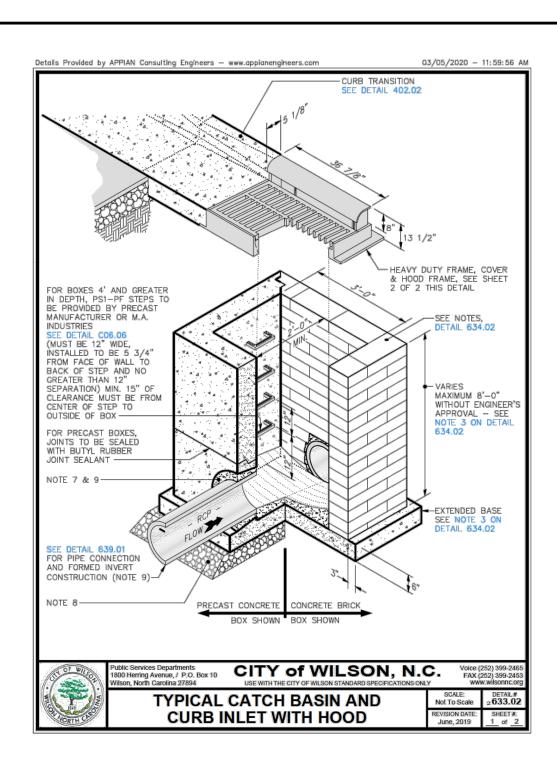


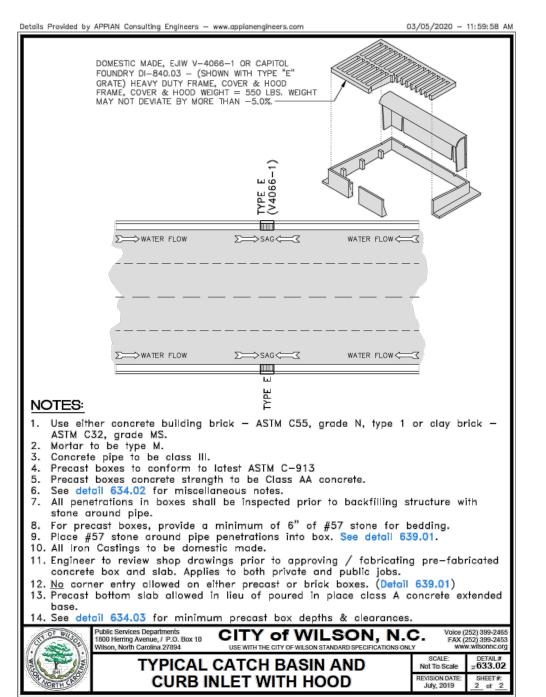
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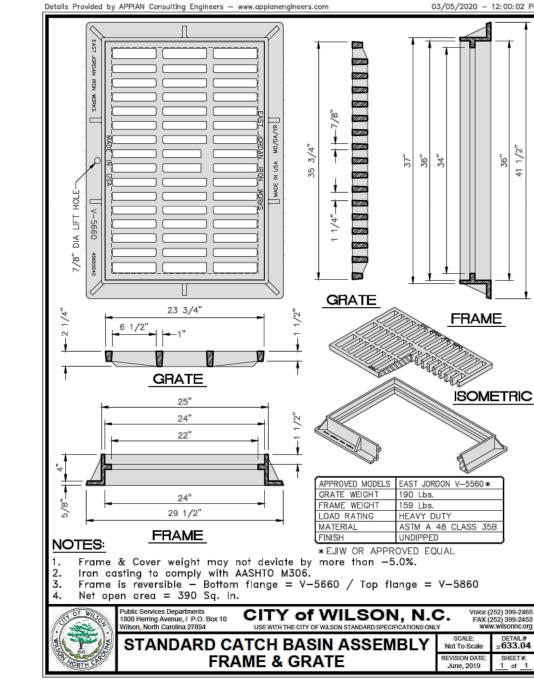
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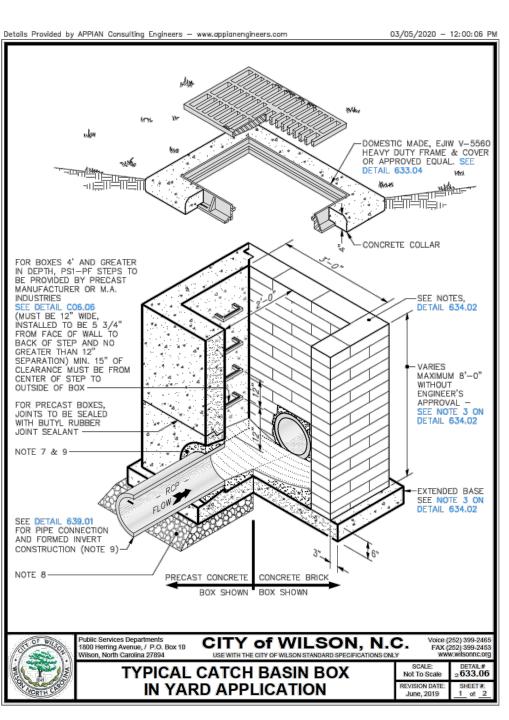


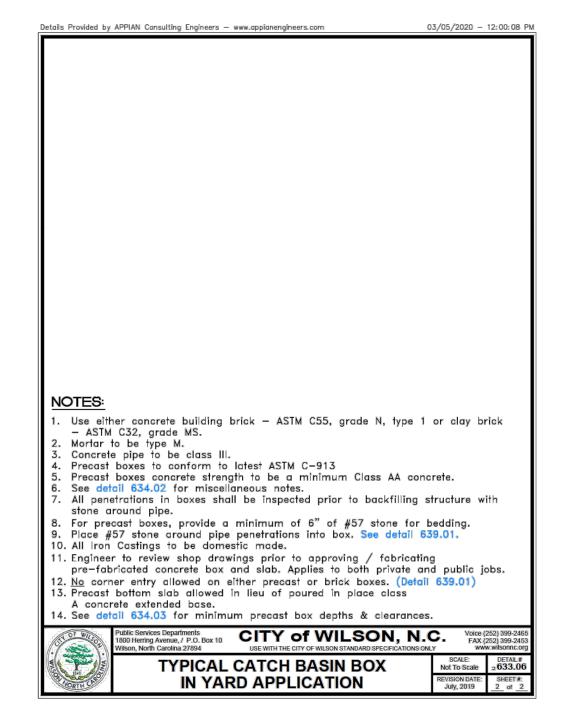


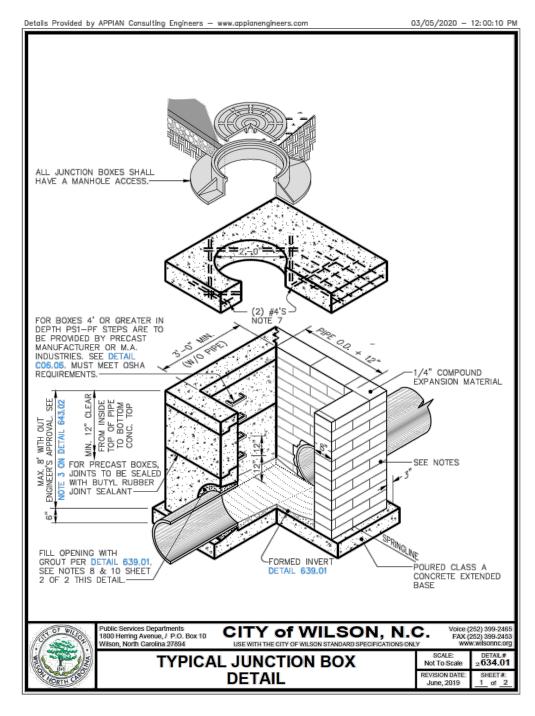


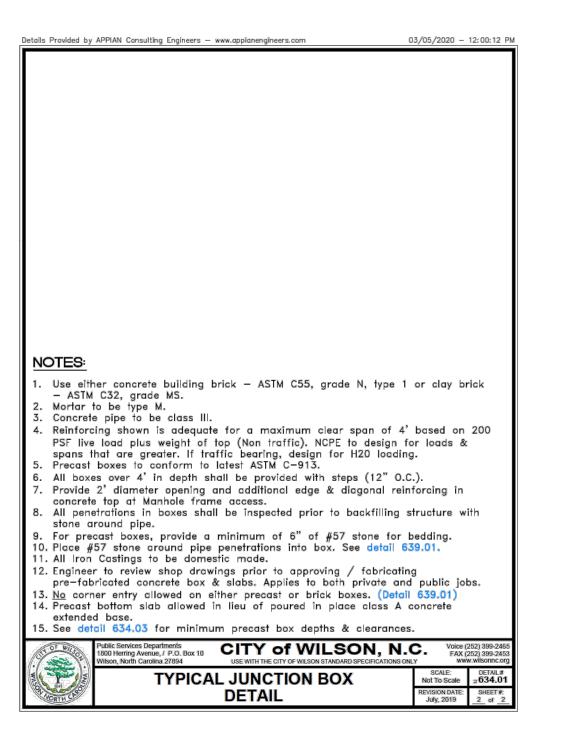


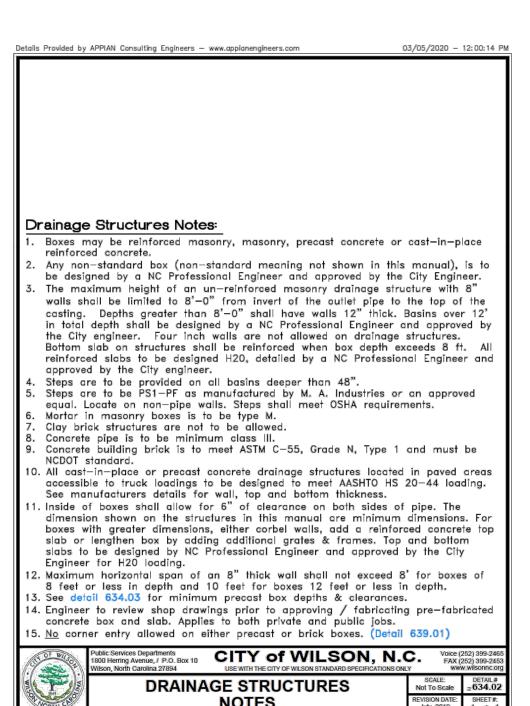


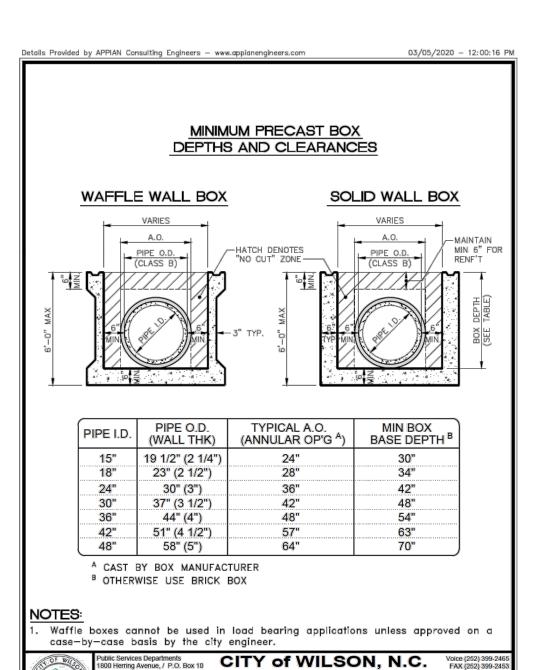






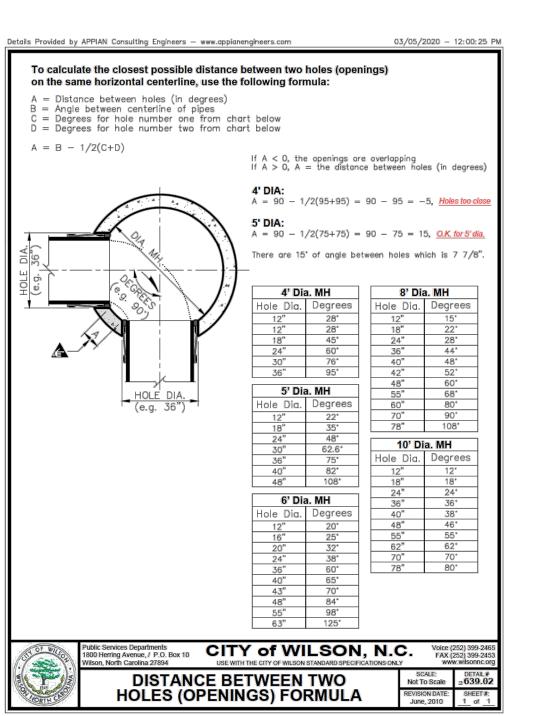


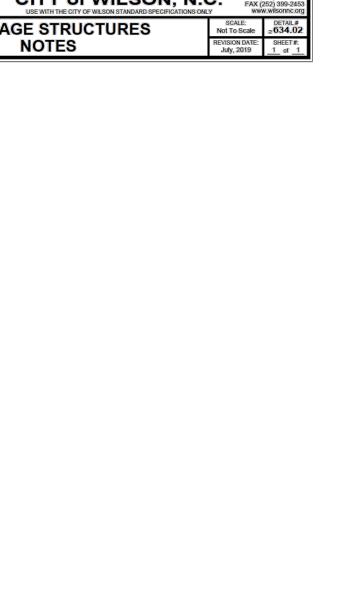




MINIMUM PRECAST BOX DEPTHS &

CLEARANCES WAFFLE WALL BOX

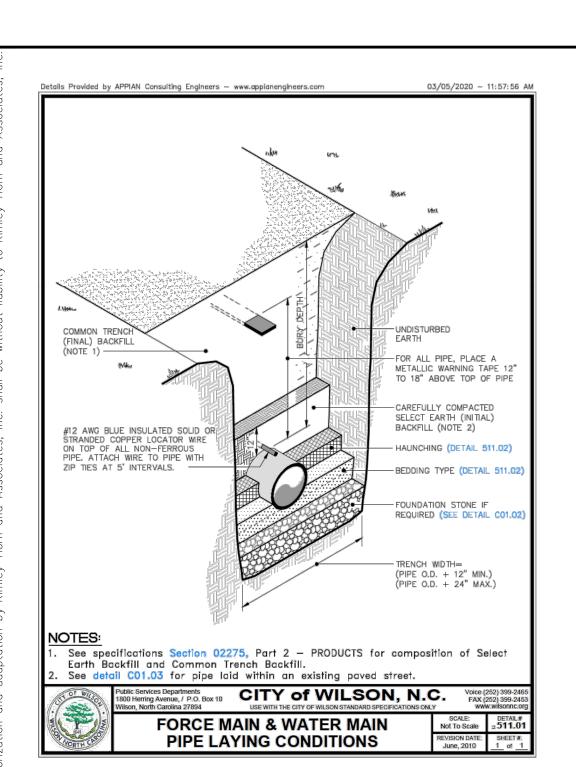


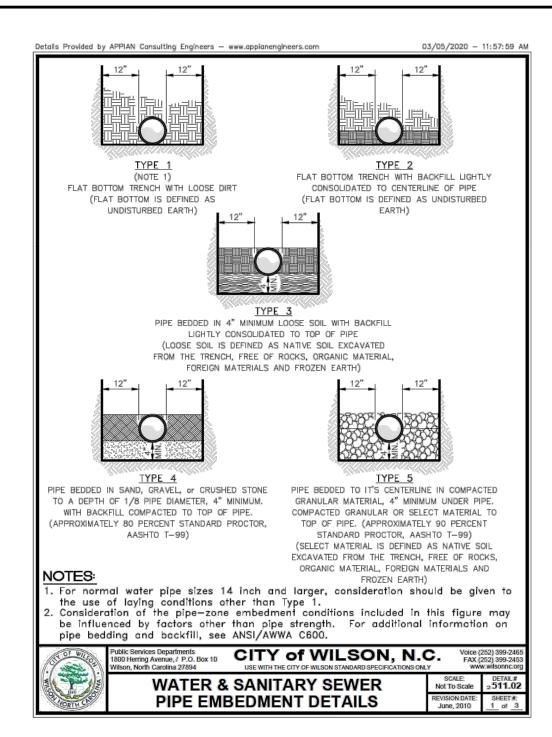


WILSON BALLPARK
UTILITIES EXPANSION
PREPARED FOR
CITY OF WILSON

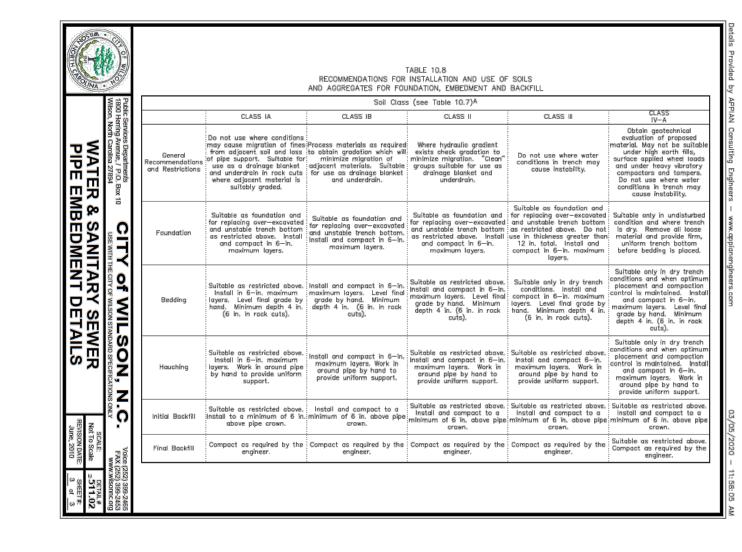
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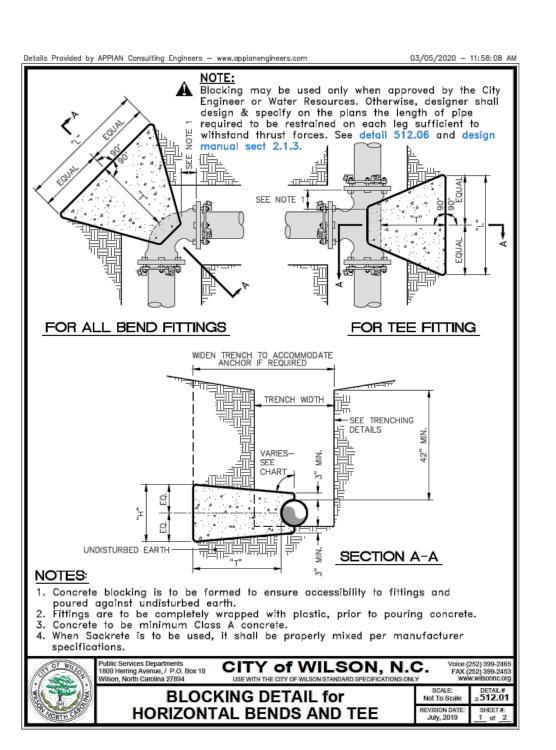
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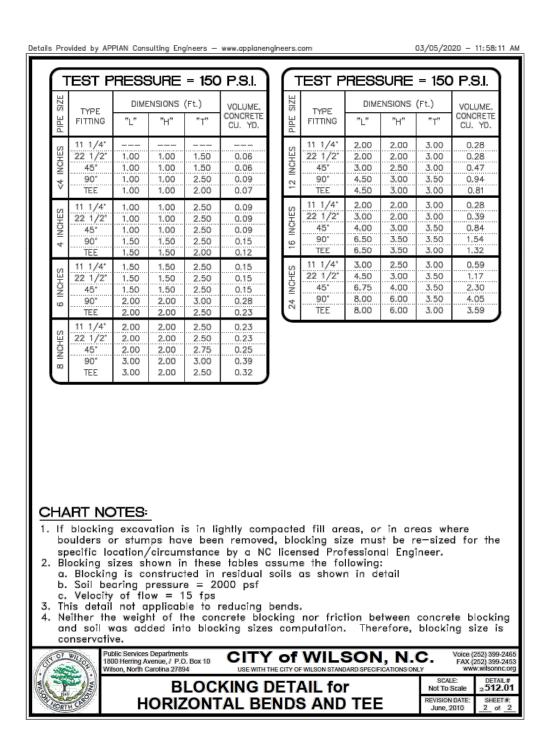


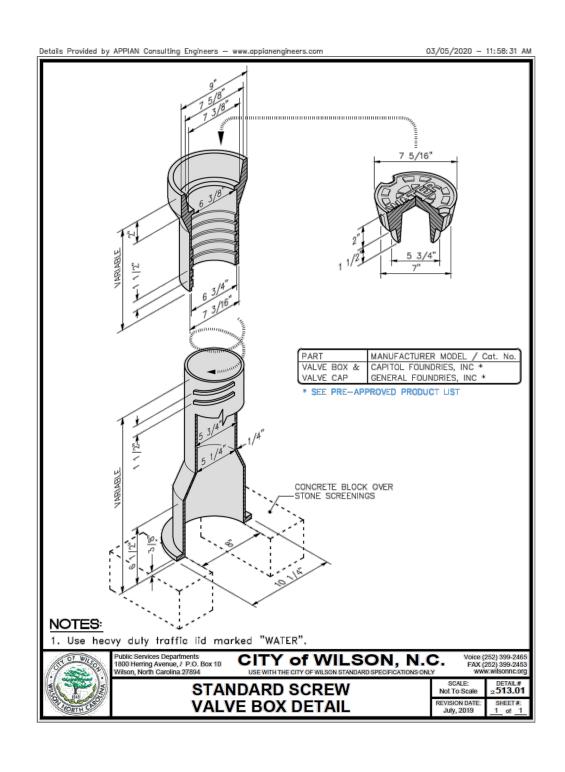


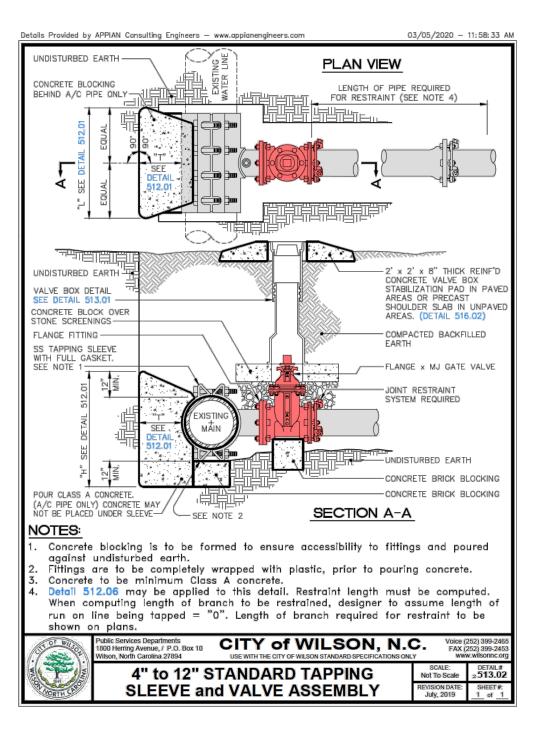
ge .						Percent	age Passing Siev	e Sizes	Atterbre	g Limits	Coeffi	cients
H		Class	Туре	Soil Symbol Group	Description ASTM D 2487	1,5 in (40 mm)	No. 4 (4.75 mm)	No. 200 (0.075 mm)	Щ	PL	Uniformity Cu	Curvati Ca
LINA	180 Wil	IA	Manufactured Aggregates: open graded, clean	None	Angular, crushed stone or rock, crushed gravel, broken coral, crushed slag, cinders or shells: large void content, contain little or no fines	100	⊴10%	<5	Non Plastic			
WA	Public Services Departments 1800 Herring Avenue, J. P.O. Box Wilson, North Carolina 27894	IB	Manufactured, Processed Aggregates: dense graded, clean	None	Angular, crushed stone (or other Class IA materials) and stone/sand mixtures with gradations selected to minimize migration of adjacent soils: contain little or no fines	100	≤50%	<5	Non Plastic			
WATE	s Departm Avenue, / I Carolina 2	П	Coarse-Grained Soils, clean	GW	Well-graded gravels and gravel-sand mixtures; little or no fines	100	<50% of Coarse Fraction	<5	Non Plastic		>4	1 to
맆	ments / P.O. Bo 27894			GP	Poorly-graded gravels and gravel-sand mixtures; little or no fines						<4	<1 or
R ⊗	× 10			SW	Well—graded sands and gravelly sands; little or no fines		>50% of Coarse Fraction				>6	1 to
S	ြူဂါ			SP	Poorly—graded sands and gravelly sands; little or no fines						<6	<1 or
SANIT	CITY		Coarse-Grained Soils, borderline clean to w/fines	e.g. GW-GC, SP-SM	Sands and gravels which are borderline between clean and with fines	100	Varies	5% to 12%	Non Plastic		Same as GP, SW	for GW and SF
ΓAR		III	Coarse-Grained Soils with Fines	GM	Silty gravels, gravel—sand—silt mixtures	100	>50% of Coarse Fraction	>12% to <50%		<4 or <"A" Line		
RY	71 .			GC	Clayey grovels, grovel—sand—clay mixtures					<7 or >"A" Line		
SE	WILSONSTA			SM	Silty sands, sand—silt mixtures		>50% of Coarse Fraction			>4 or <"A" Line		
EWER	5			sc	Clayey sands, sand—silt mixtures					>7 or >"A" Line		
		ΙV	Fine-Grained Soils (inorganic)	ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands, silts with slight plasticity	100	100	>50	<50	<4 or <"A" Line		
	ON, N.C			CL	Inorganic clays of low to medium plasticity, gravely clays, sandy clays, silty clays, lean clays					>7 or >"A" Line		
SCA Not To	ONLY C	IVB	Fine—Grained Soils (inorganic)	МН	Inorganic silts, misaceous or diatomaceous fine sandy or silty soils, elastic silts	100	100	>50	>50	<"A" Line		
	≲			СН	Inorganic clays of high plasticity, fat clays					>"A" Line		
	oice (25 AX (25 www.	٧	Organic Soils	OL	Organic silts and organic silty clays of low plasticity	100	100	>50	<50	<4 or <"A" Line		
DETAIL# 2 511.02	Voice (252) 399-2465 FAX (252) 399-2453 www.wilsonnc.org			ОН	Organic clays of medium to high plasticity, organic silts				>50	<"A" Line		
94	246 245 C.O.		Highly Organic	PT	Peat and other high organic soils							

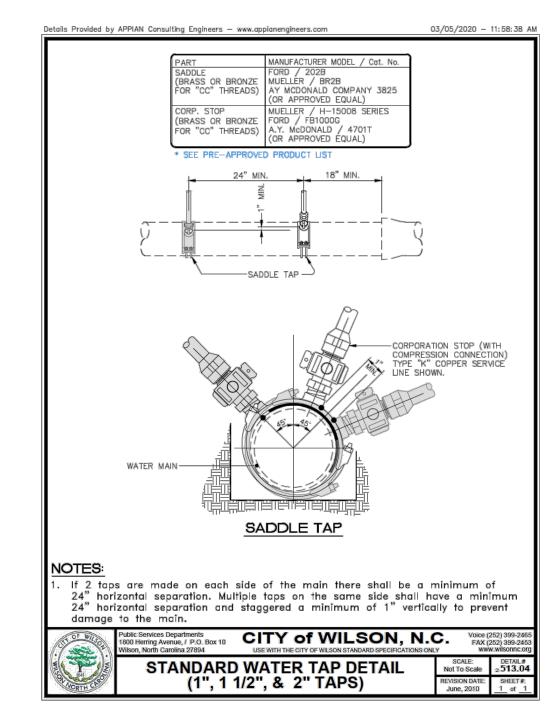


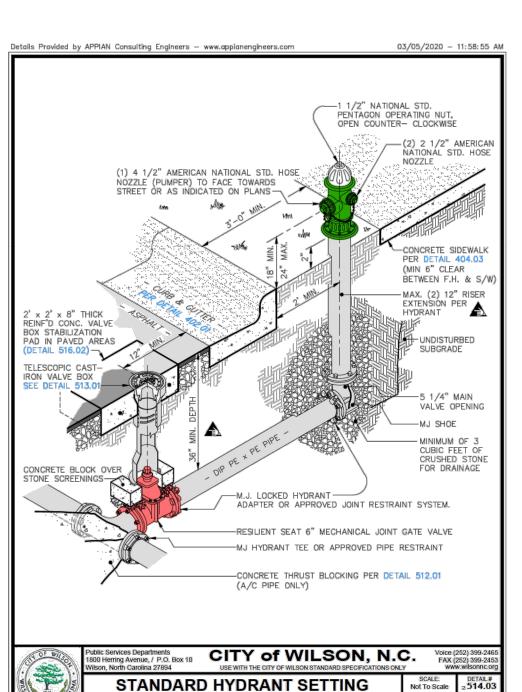




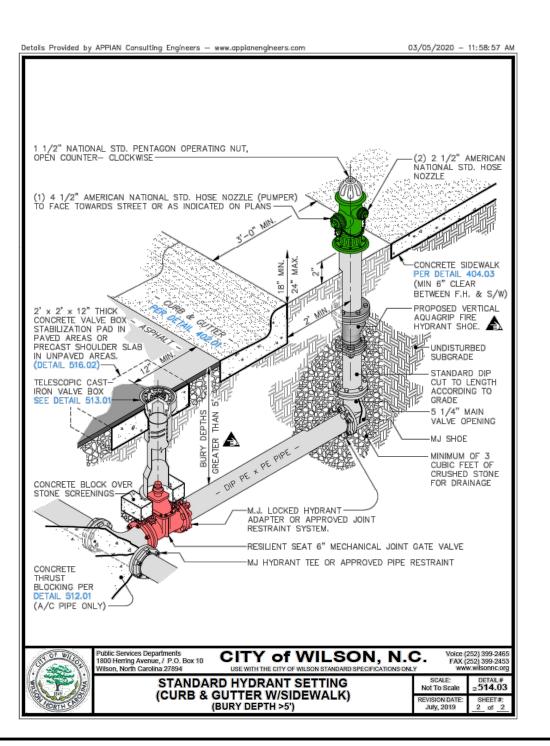


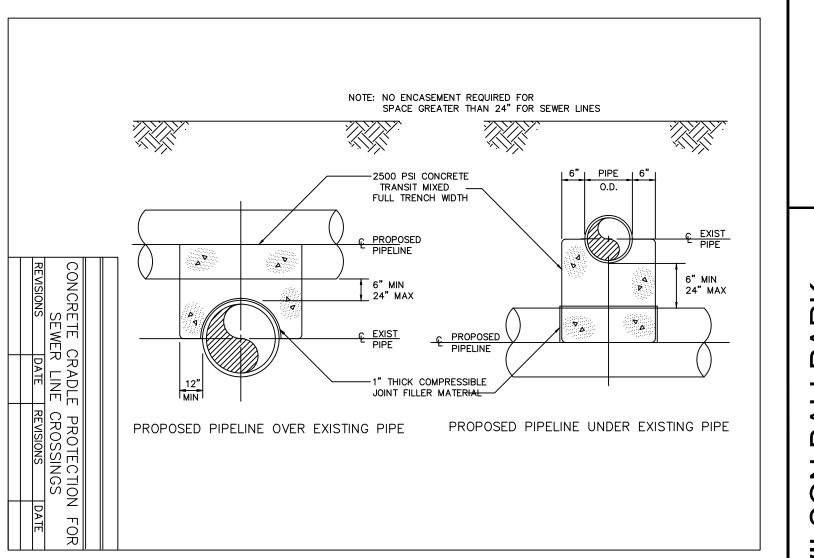




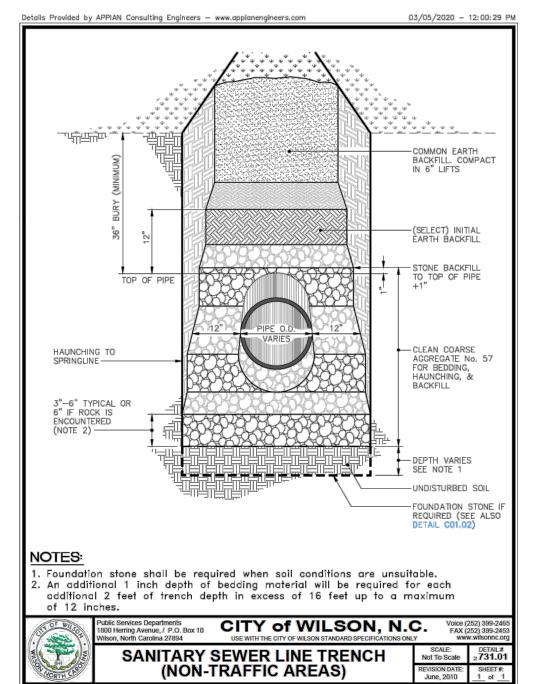


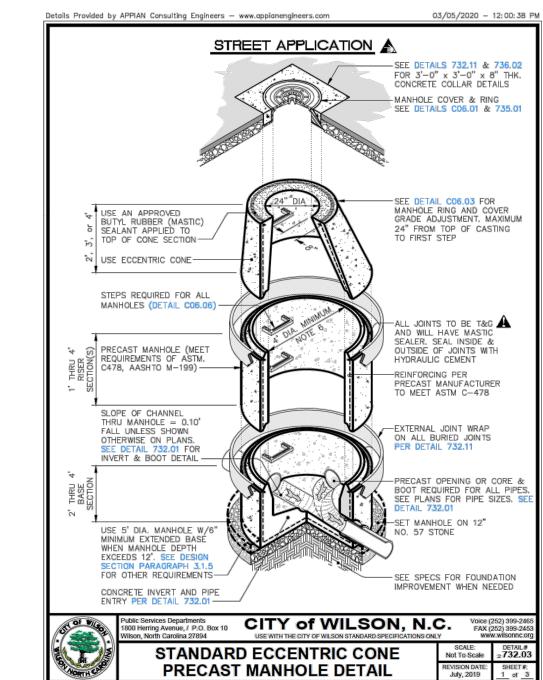
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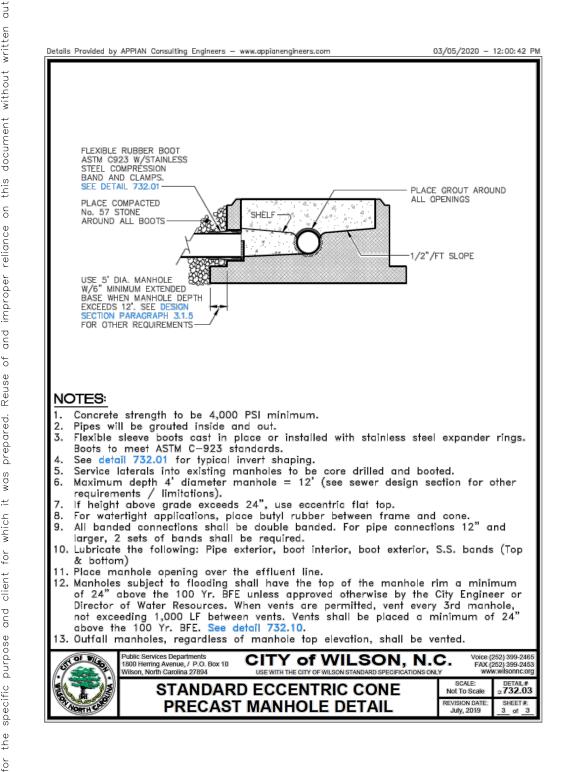


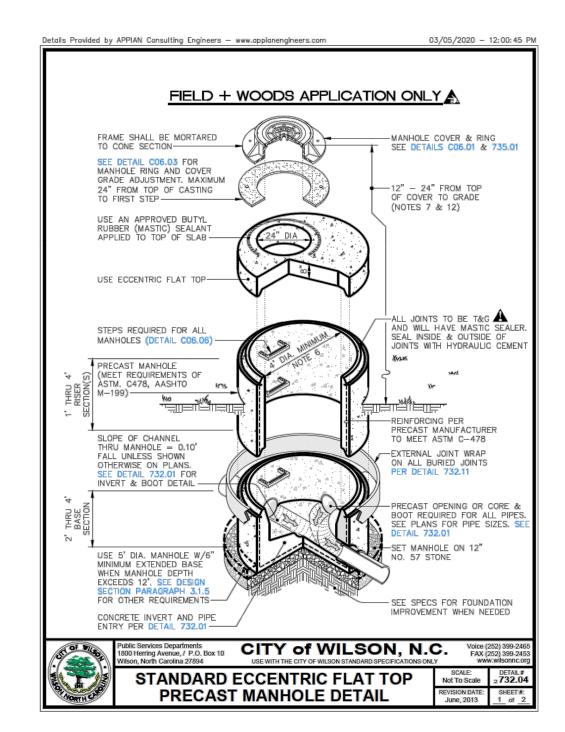


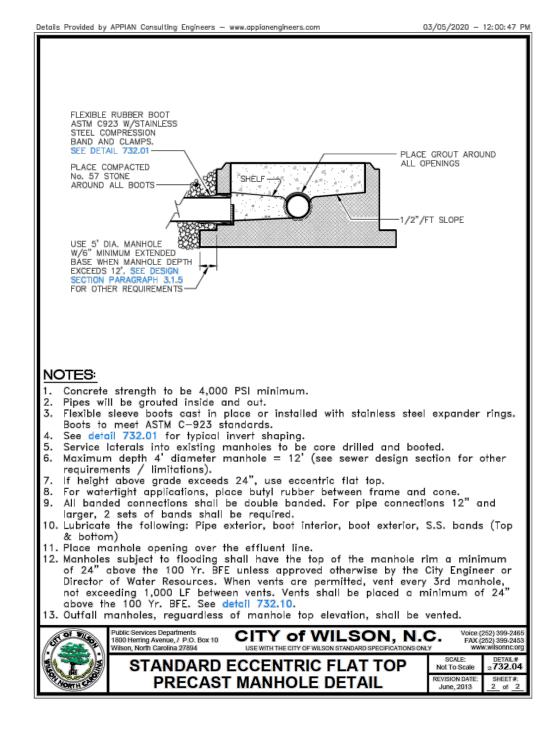


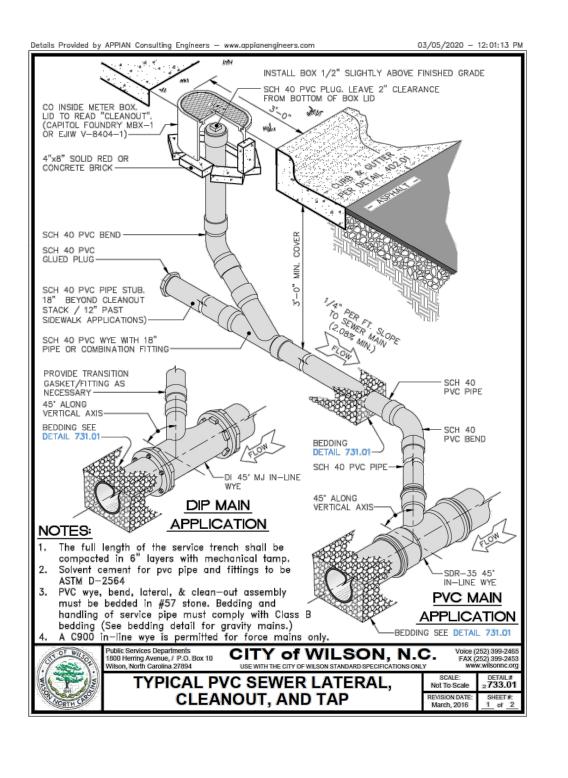


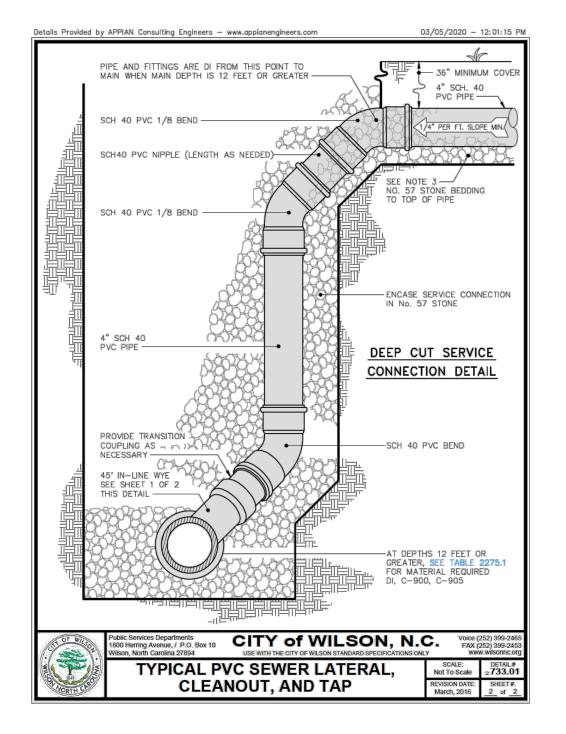


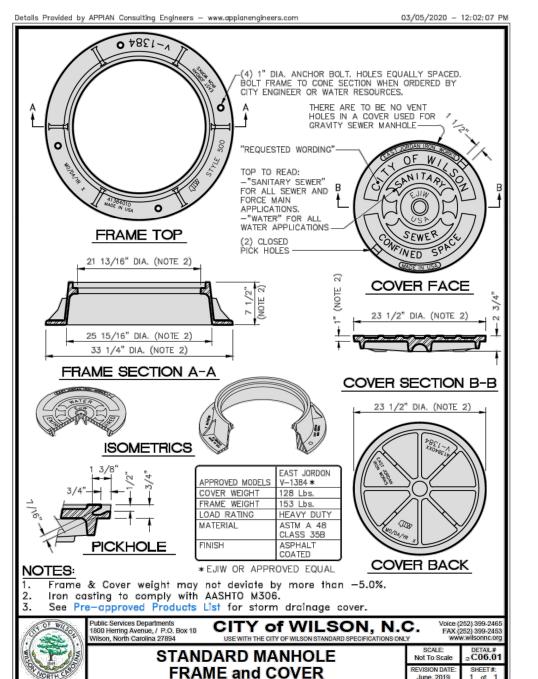


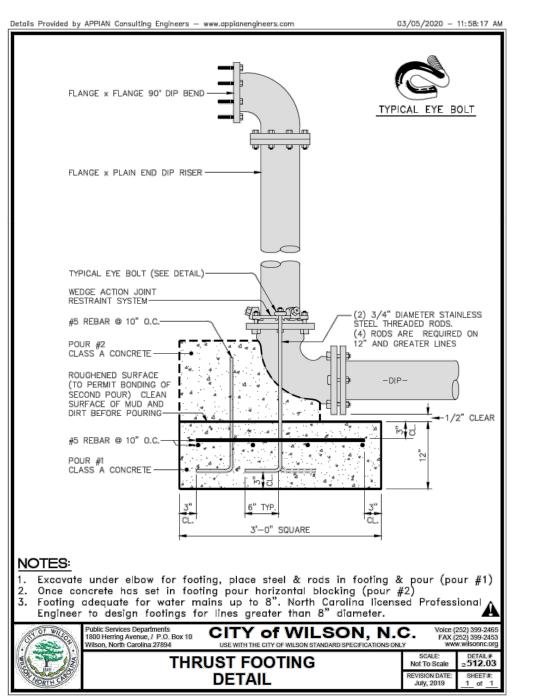


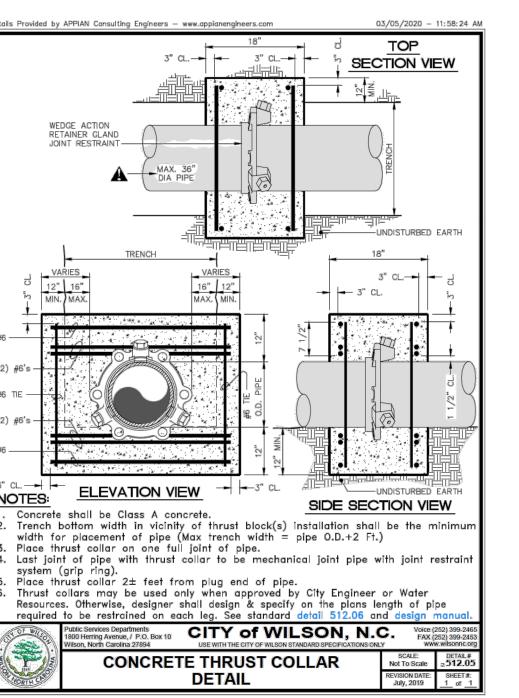










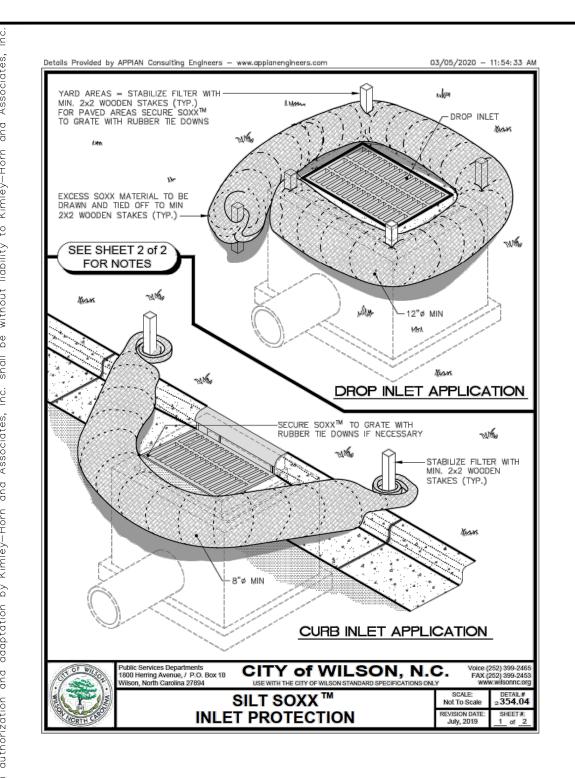


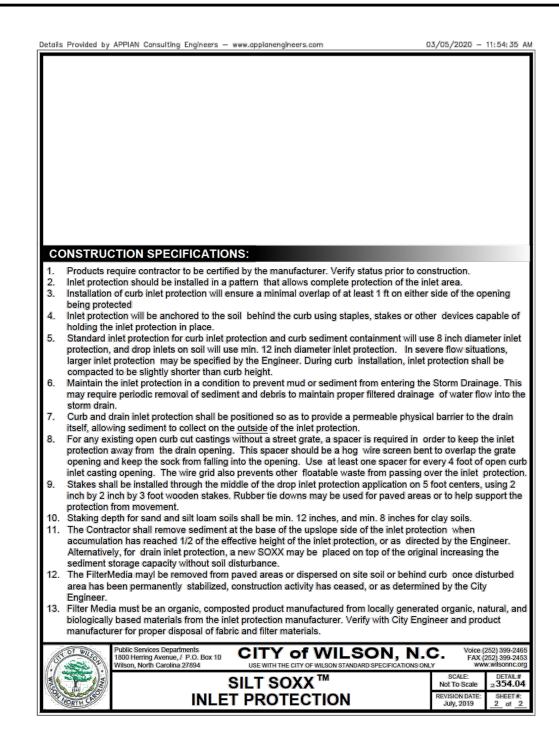


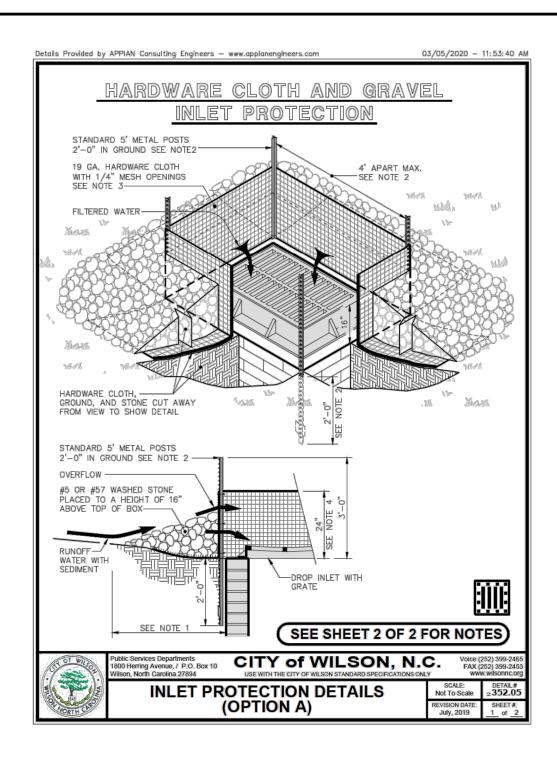
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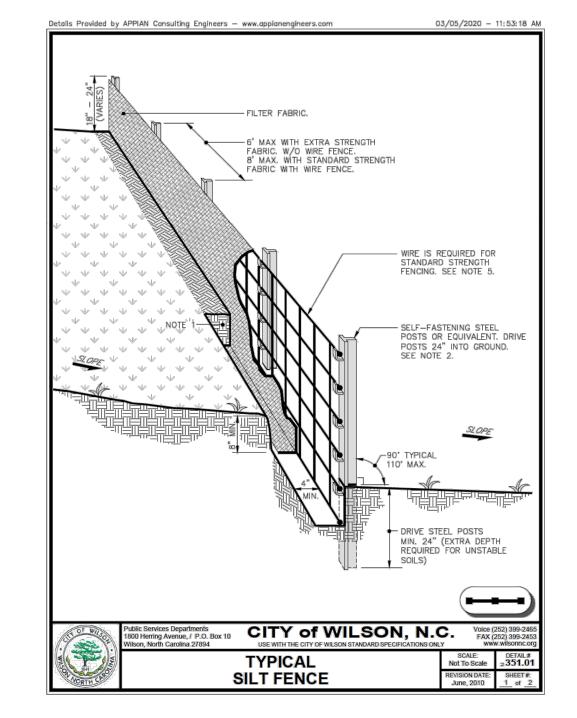
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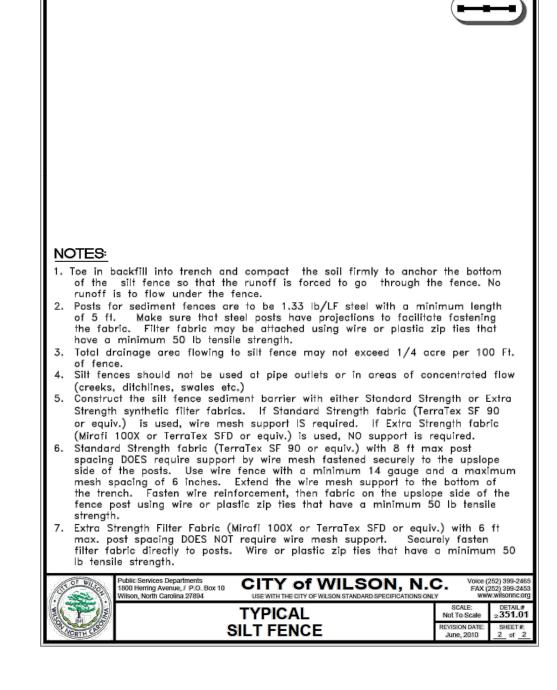
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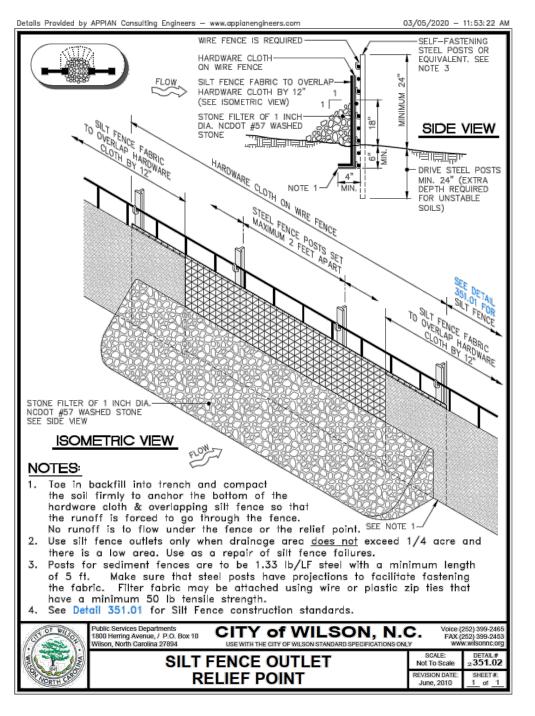


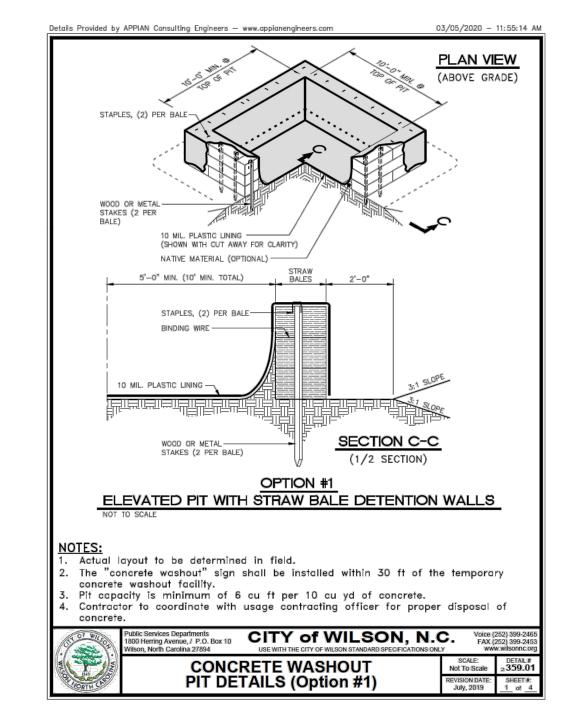


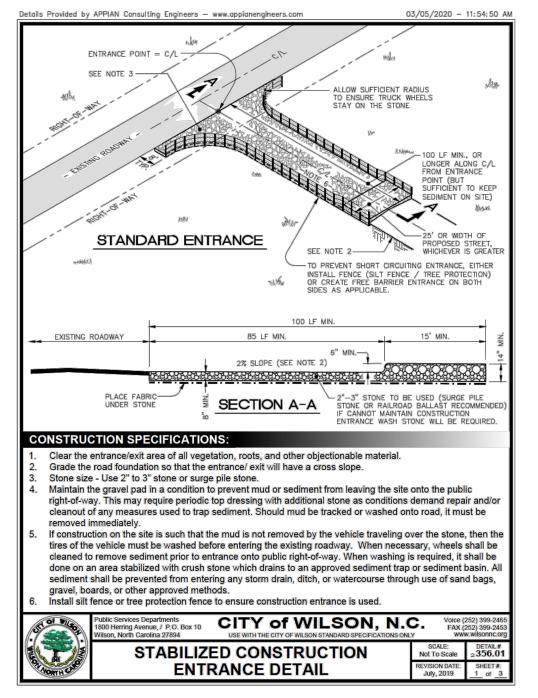


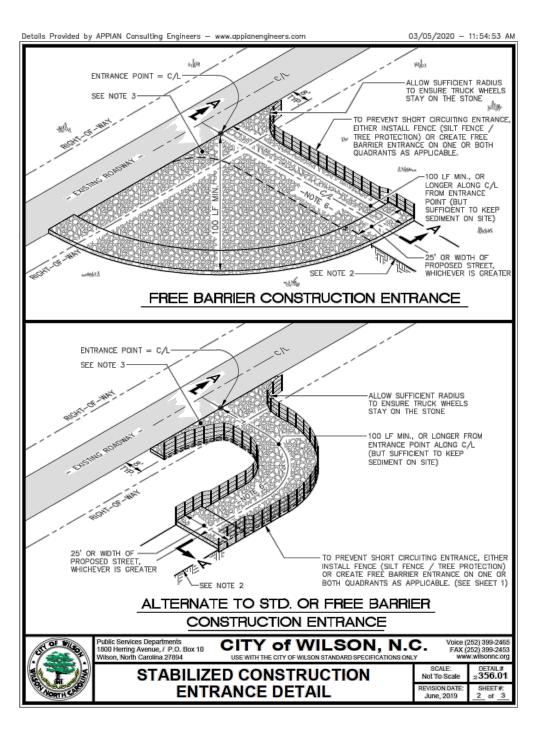
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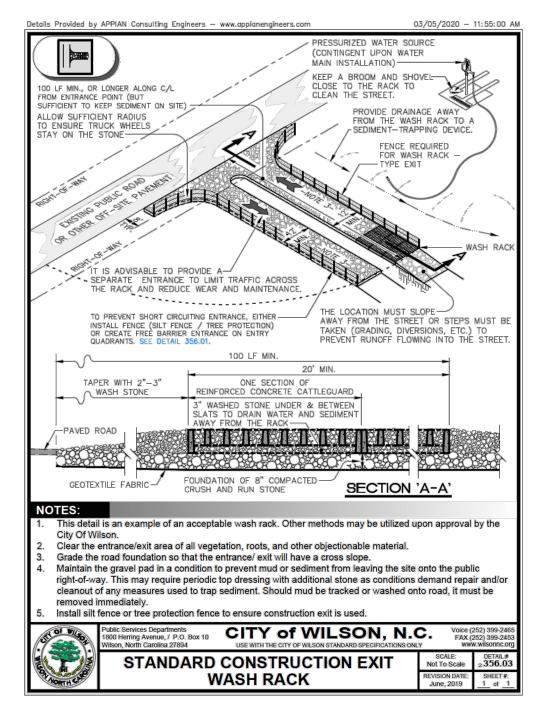
Details Provided by APPIAN Consulting Engineers - www.appianengineers.com

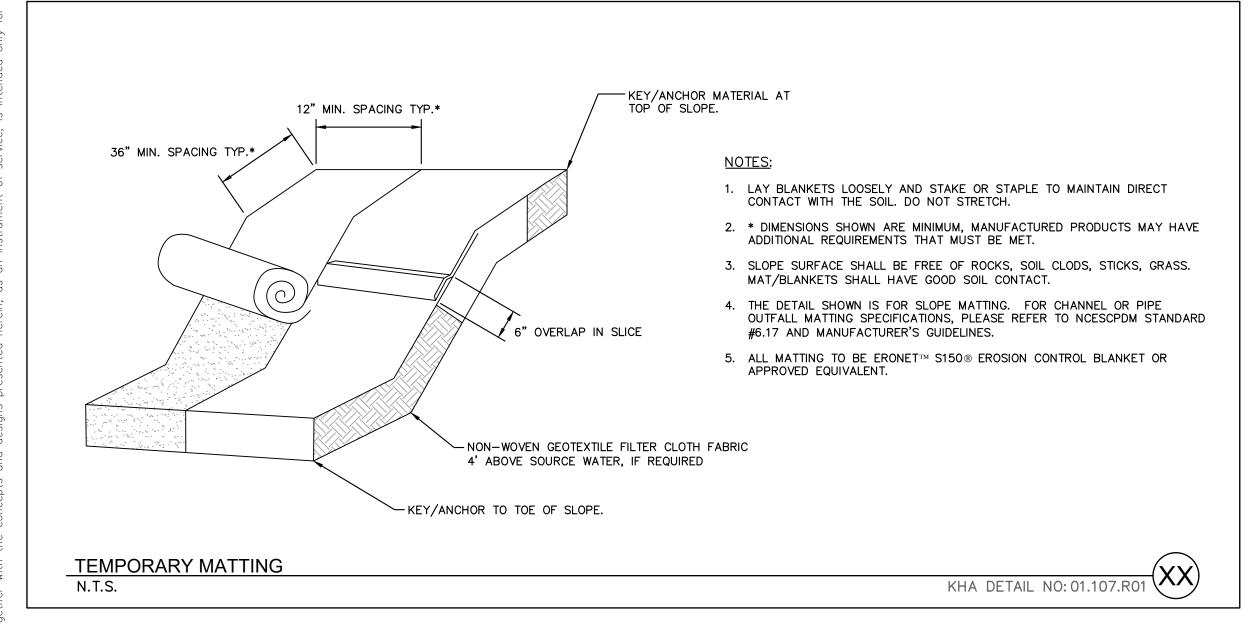










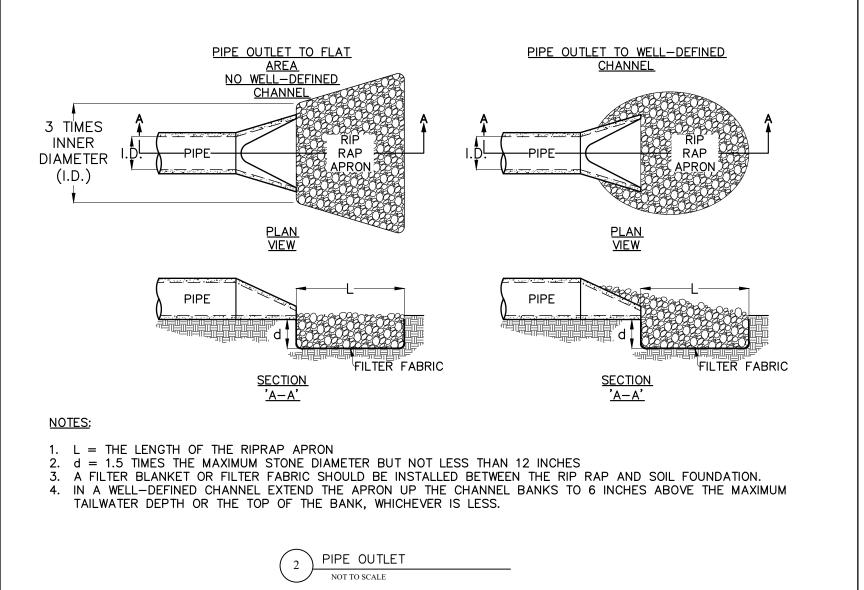


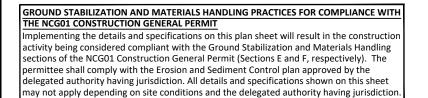
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ALLPARK EXPANSION SON \overline{O}

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SECTION E: GROUND STABILIZATION							
Required Ground Stabilization Timeframes							
Si	te Area Description	Stabilize within this many calendar days after ceasing land disturbance	Timeframe variations				
(a)	Perimeter dikes, swales, ditches, and perimeter slopes	7	None				
(b)	High Quality Water (HQW) Zones	7	None				
(c)	Slopes steeper than 3:1	7	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed				
(d)	Slopes 3:1 to 4:1	14	-7 days for slopes greater than 50' in length and with slopes steeper than 4:1 -7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed				
(e)	Areas with slopes flatter than 4:1	14	-7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed unless there is zero slope				

ground stabilization shall be converted to permanent ground stabilization as soon as practicable but in no case longer than 90 calendar days after the last land disturbing activity. Temporary ground stabilization shall be maintained in a manner to render the surface stable against accelerated erosion until permanent ground stabilization is achieved.

other mulches and tackifiers

GROUND STABILIZATION SPECIFICATION Stabilize the ground sufficiently so that rain will not dislodge the soil. Use one of the

techniques in the table below: Temporary Stabilization Permanent Stabilization

oorary grass seed covered with straw or Permanent grass seed covered with straw or other mulches and tackifiers

SECTION E. CROUND STARIUZATION

 Geotextile fabrics such as permanent soil Rolled erosion control products with or reinforcement matting without temporary grass seed Appropriately applied straw or other mulch
 Shrubs or other permanent plantings covered. Plastic sheeting Uniform and evenly distributed ground cover

sufficient to restrain erosion Structural methods such as concrete, asphalt or retaining walls Rolled erosion control products with grass seed

POLYACRYLAMIDES (PAMS) AND FLOCCULANTS Select flocculants that are appropriate for the soils being exposed during

construction, selecting from the NC DWR List of Approved PAMS/Flocculants. Apply flocculants at or before the inlets to Erosion and Sediment Control Measures Annly flocculants at the concentrations specified in the NC DWR List of Approved *PAMS/Flocculants* and in accordance with the manufacturer's instructions.

Provide ponding area for containment of treated Stormwater before discharging Store flocculants in leak-proof containers that are kept under storm-resistant cover or surrounded by secondary containment structures.

NCG01 GROUND STABILIZATION AND MATERIALS HANDLING

EQUIPMENT AND VEHICLE MAINTENANCE

Maintain vehicles and equipment to prevent discharge of fluids. Provide drip pans under any stored equipment. Identify leaks and repair as soon as feasible, or remove leaking equipment from th

Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle when possible).

Remove leaking vehicles and construction equipment from service until the problem . Bring used fuels, lubricants, coolants, hydraulic fluids and other petroleum produc to a recycling or disposal center that handles these materials.

LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE

Never bury or burn waste. Place litter and debris in approved waste containers. Provide a sufficient number and size of waste containers (e.g dumpster, trash receptacle) on site to contain construction and domestic wastes.

Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available. Locate waste containers on areas that do not receive substantial amounts of runoff from upland areas and does not drain directly to a storm drain, stream or wetland. Cover waste containers at the end of each workday and before storm events or

provide secondary containment. Repair or replace damaged waste containers.

Empty waste containers as needed to prevent overflow. Clean up immediately if

Anchor all lightweight items in waste containers during times of high winds.

Dispose waste off-site at an approved disposal facility. On business days, clean up and dispose of waste in designated waste containers.

PAINT AND OTHER LIQUID WASTE

Do not dump paint and other liquid waste into storm drains, streams or wetlands. Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.

Contain liquid wastes in a controlled area. Containment must be labeled, sized and placed appropriately for the needs of site. Prevent the discharge of soaps, solvents, detergents and other liquid wastes from construction sites.

PORTABLE TOILETS Install portable toilets on level ground, at least 50 feet away from storm drains

streams or wetlands unless there is no alternative reasonably available. If 50 foot offset is not attainable, provide relocation of portable toilet behind silt fence or place on a gravel pad and surround with sand bags.

Provide staking or anchoring of portable toilets during periods of high winds or in high foot traffic areas. Monitor portable toilets for leaking and properly dispose of any leaked material. Utilize a licensed sanitary waste hauler to remove leaking portable toilets and replace with properly operating unit.

EARTHEN STOCKPILE MANAGEMENT

Show stockpile locations on plans. Locate earthen-material stockpile areas at least 50 feet away from storm drain inlets, sediment basins, perimeter sediment controls and surface waters unless it can be shown no other alternatives are reasonably

Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile. Provide stable stone access point when feasible

Stabilize stockpile within the timeframes provided on this sheet and in accordance with the approved plan and any additional requirements. Soil stabilization is defined as vegetative, physical or chemical coverage techniques that will restrain accelerated erosion on disturbed soils for temporary or permanent control needs.

THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 78% OF THE STRUCTURES CAPACITY. 3.CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARY MARKED W BELOW GRADE WASHOUT STRUCTURE

Do not discharge concrete or cement slurry from the site.

review and approval. If local standard details are not available, use one of the two types of temporary concrete washouts provided on this detail. Do not use concrete washouts for dewatering or storing defective curb or sidewalk sections. Stormwater accumulated within the washout may not be pumped into or

be pumped out and removed from project. Locate washouts at least 50 feet from storm drain inlets and surface waters unless it can be shown that no other alternatives are reasonably available. At a minimum, install protection of storm drain inlet(s) closest to the washout which could receive

spills or overflow. Locate washouts in an easily accessible area, on level ground and install a stone entrance pad in front of the washout. Additional controls may be required by the

Install at least one sign directing concrete trucks to the washout within the project limits. Post signage on the washout itself to identify this location. Remove leavings from the washout when at approximately 75% capacity to limit overflow events. Replace the tarp, sand bags or other temporary structural

Store and apply herbicides, pesticides and rodenticides in accordance with label Store herbicides, pesticides and rodenticides in their original containers with the

accidental poisoning. Do not store herbicides, pesticides and rodenticides in areas where flooding is possible or where they may spill or leak into wells, stormwater drains, ground water

NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING

SELF-INSPECTION, RECORDKEEPING AND REPORTING

Self-inspections are required during normal business hours in accordance with the table

below. When adverse weather or site conditions would cause the safety of the inspection

which it is safe to perform the inspection. In addition, when a storm event of equal to or

greater than 1.0 inch occurs outside of normal business hours, the self-inspection shall be

performed upon the commencement of the next business day. Any time when inspections

approved by the Division.

discharge 7 calendar days 2. Date and time of the inspection, outfalls (SDOs) and within 24 3. Name of the person performing the inspection,

. Identification of the measures inspected 2. Date and time of the inspection,
3. Name of the person performing the inspection,

4. Indication of whether the measures were operating

1. Identification of the discharge outfalls inspected,

hours of a rain 4. Evidence of indicators of stormwater pollution such as oil

7 calendar days and within 24 hours of a rain of the following shall be made:
1. Actions taken to clean up or stabilize the sediment that has left the site limits,

event > 1.0 inch in 2. Description, evidence, and date of corrective actions taken, and

and within 24
hours of a rain

1. Description, evidence and date of corrective actions taken, an

event ≥ 1.0 inch in | 2. Records of the required reports to the appropriate Division

of this permit.

After each phase 1. The phase of grading (installation of perimeter E&SC

soon as possible.

NOTE: The rain inspection resets the required 7 calendar day inspection requirement.

event ≥ 1.0 inch in 24 hours sheen, floating or suspended solids or discoloration, 5. Indication of visible sediment leaving the site,

(4) Perimeter of At least once per If visible sedimentation is found outside site limits, then a record

(5) Streams or At least once per If the stream or wetland has increased visible sedimentation or a

wetlands onsite 7 calendar days stream has visible increased turbidity from the construction

6. Description, evidence, and date of corrective actions taker

6. Description, evidence, and date of corrective actions take

3. An explanation as to the actions taken to control future

Regional Office per Part III, Section C, Item (2)(a) of this permi

measures, clearing and grubbing, installation of storm drainage facilities, completion of all land-disturbing

activity, construction or redevelopment, permanent

2. Documentation that the required ground stabilization

measures have been provided within the required

If no daily rain gauge observations are made during weekend o holiday periods, and no individual-day rainfall information is

available, record the cumulative rain measurement for those ur

attended days (and this will determine if a site inspection

meeded). Days on which no rainfall occurred shall be recorded as "zero." The permittee may use another rain-monitoring device

were delayed shall be noted in the Inspection Record.

7 calendar days and within 24

24 hours

of grading

(6) Ground

stabilization

(3) Stormwater At least once per

(1) Rain gauge maintained in good working

personnel to be in jeopardy, the inspection may be delayed until the next business day on

CFR 122.41(I)(7)]

Plan or complete, date and sign an inspection

report to indicate the completion of the

SELF-INSPECTION, RECORDKEEPING AND REPORTING

Permittees shall report the following occurrences: The approved E&SC plan as well as any approved deviation shall be kept on the site. The (a) Visible sediment deposition in a stream or wetland. approved E&SC plan must be kept up-to-date throughout the coverage under this permit. The following items pertaining to the E&SC plan shall be documented in the manner

Documentation Requirements (a) Each E&SC Measure has been installed Initial and date each E&SC Measure on a copy locations, dimensions and relative elevations, and sign an inspection report that lists each shown on the approved E&SC Plan. E&SC Measure shown on the approved E&S Plan. This documentation is required upon the initial installation of the E&SC Measures or if the E&SC Measures are modified after initial (b) A phase of grading has been completed. Initial and date a copy of the approved E&SG report to indicate completion of the onstruction phase. Initial and date a copy of the approved E&SC in accordance with the approved E&SC Plan or complete, date and sign an inspection report to indicate compliance with approved ground cover specifications. (d) The maintenance and repair Complete, date and sign an inspection report. requirements for all E&SC Measures

SELF-INSPECTION. RECORDKEEPING AND REPORTING

SECTION B: RECORDKEEPING

1. E&SC Plan Documentation

have been performed.

to E&SC Measures.

(e) Corrective actions have been taken

upon request. [40 CFR 122.41]

NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING

. Additional Documentation In addition to the E&SC Plan documents above, the following items shall be kept on the and available for agency inspectors at all times during normal business hours, unless the Division provides a site-specific exemption based on unique site conditions that make this

a) This general permit as well as the certificate of coverage, after it is received. (b) Records of inspections made during the previous 30 days. The permittee shall record the required observations on the Inspection Record Form provided by the Division or a similar inspection form that includes all the required elements. Use of electronically-available records in lieu of the required paper copies will be allowed if shown to provide equal access and utility as the hard-copy records.

All data used to complete the Notice of Intent and older inspection records shall be maintained for a period of three years after project completion and made available

SECTION C: REPORTING Occurrences that must be reported

(b)Oil spills if: They are 25 gallons or more. • They are less than 25 gallons but cannot be cleaned up within 24 hours, They cause sheen on surface waters (regardless of volume), or

They are within 100 feet of surface waters (regardless of volume). a)Releases of hazardous substances in excess of reportable quantities under Section 311 of the Clean Water Act (Ref: 40 CFR 110.3 and 40 CFR 117.3) or Section 102 of CERCLA (Ref: 40 CFR 302.4) or G.S. 143-215.85.

b)Anticipated bypasses and unanticipated bypasses. (c) Noncompliance with the conditions of this permit that may endanger health or the

Reporting Timeframes and Other Requirements After a permittee becomes aware of an occurrence that must be reported, he shall contact the appropriate Division regional office within the timeframes and in accordance with the other requirements listed below. Occurrences outside normal business hours may also be reported to the Division's Emergency Response personnel at (800) 662-7956, (800) 858-0368 or (919) 733-3300.

Reporting Timeframes (After Discovery) and Other Requirements (a) Visible sediment • Within 24 hours, an oral or electronic notification. Within 7 calendar days, a report that contains a description of the stream or wetland sediment and actions taken to address the cause of the deposition. Division staff may waive the requirement for a written report on a case-by-case basis. • If the stream is named on the $\underline{NC\ 303(d)\ list}$ as impaired for sedimentrelated causes, the permittee may be required to perform additional nonitoring, inspections or apply more stringent practices if staff determine that additional requirements are needed to assure compliance with the federal or state impaired-waters conditions. Within 24 hours, an oral or electronic notification. The notification shall include information about the date, time, nature, volume and release of location of the spill or release.

substances per Item 1(b)-(c) above The report shall include an evaluation of the anticipated quality and bypasses [40 CFR 122.41(m)(3)] effect of the bypass. bypasses [40 CFR • Within 7 calendar days, a report that includes an evaluation of the 122.41(m)(3)] quality and effect of the bypass. Within 24 hours, an oral or electronic notification. with the conditions • Within 7 calendar days, a report that contains a description of the of this permit that noncompliance, and its causes; the period of noncompliance, may endanger

health or the

been corrected, the anticipated time noncompliance is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance. [40 CFR 122.41(I)(6).

Division staff may waive the requirement for a written report on a case-by-case basis.

EFFECTIVE: 04/01/1

KHA DETAIL NO: 01.902.R01

AND

C9.1

SHEET NUMBER

Dispose of, or recycle settled, hardened concrete residue in accordance with local and state solid waste regulations and at an approved facility. Manage washout from mortar mixers in accordance with the above item and in addition place the mixer and associated materials on impervious barrier and within lot perimeter silt fence.

Install temporary concrete washouts per local requirements, where applicable. If a alternate method or product is to be used, contact your approval authority for

approving authority.

components when no longer functional. When utilizing alternative or proprietary products, follow manufacturer's instructions. At the completion of the concrete work, remove remaining leavings and dispose of in an approved disposal facility. Fill pit, if applicable, and stabilize any disturbance caused by removal of washout.

IERBICIDES, PESTICIDES AND RODENTICIDES

label, which lists directions for use, ingredients and first aid steps in case of

or surface water. If a spill occurs, clean area immediately. Do not stockpile these materials onsite.

HAZARDOUS AND TOXIC WASTE

Place hazardous waste containers under cover or in secondary containment. . Do not store hazardous chemicals, drums or bagged materials directly on the ground.

NCG01 GROUND STABILIZATION AND MATERIALS HANDLING

EFFECTIVE: 04/01/

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