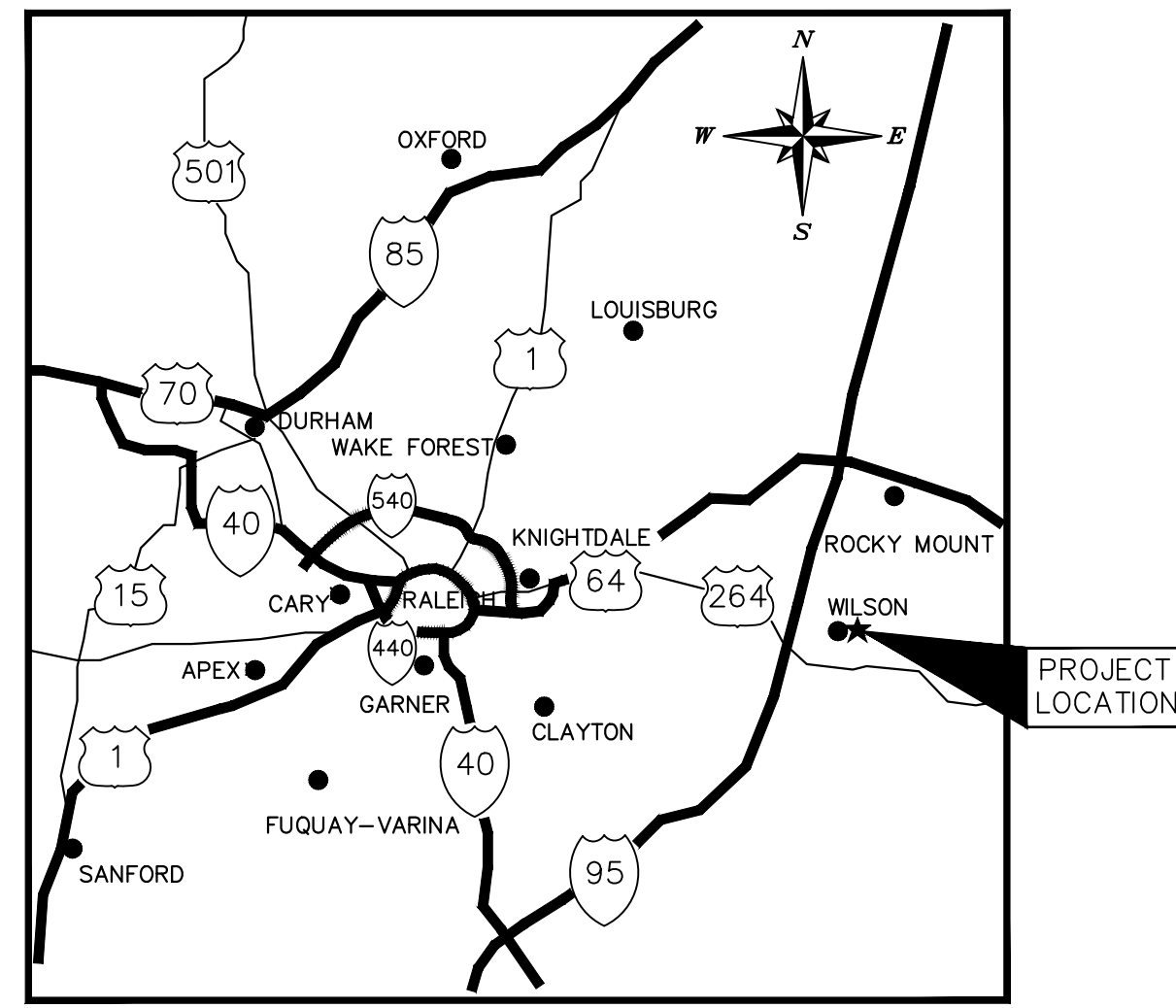
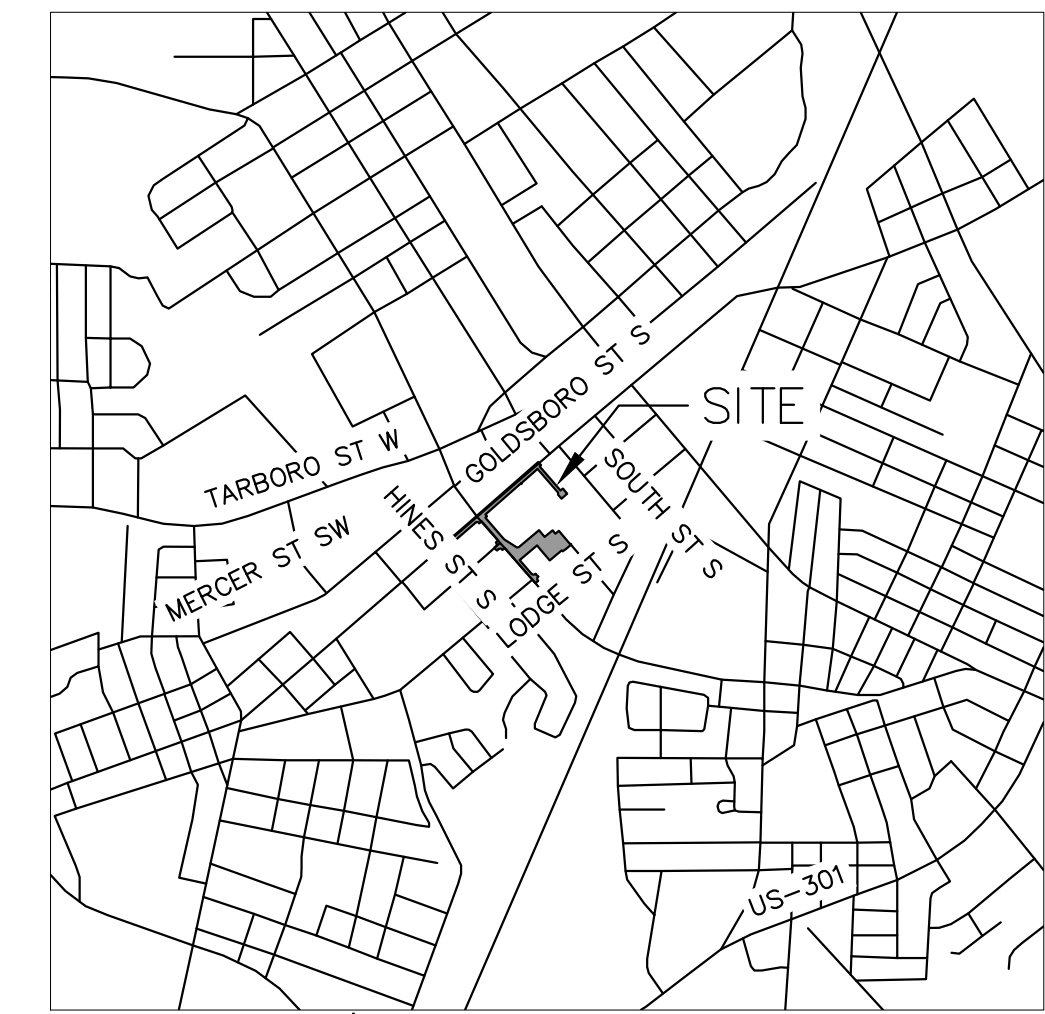


CONSTRUCTION DOCUMENT SUBMITTAL FOR WILSON BALLPARK UTILITIES EXPANSION REVIEW NUMBER TBD

CORNER OF GOLDSBORO ST. & HINES ST.
WILSON, NORTH CAROLINA 27893
A DEVELOPMENT BY: CITY OF WILSON
112 GOLDSBORO ST. EAST
WILSON, NC 27983



PROJECT LOCATION
NTS

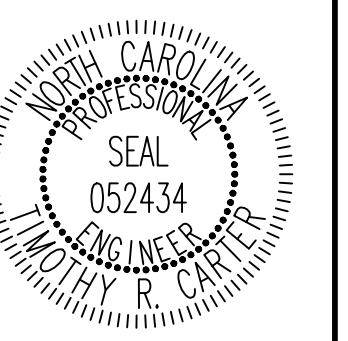


VICINITY MAP N.T.S

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KHA PROJECT: 268255002
DATE: 01/26/2024
SCALE: AS SHOWN
DESIGNED BY: SRH
DRAWN BY: SRH
CHECKED BY: TRC

COVER SHEET

WILSON BALLPARK
UTILITIES EXPANSION
PREPARED FOR
CITY OF WILSON

NORTH CAROLINA
WILSON

SHEET NUMBER
C0.0

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.

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PREPARED IN THE OFFICE OF:

NC CERTIFICATE OF AUTHORIZATION: F-0102

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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 COMMENCING CONSTRUCTION.
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 AND GIS/AERIAL IMAGERY.
14. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NC DOT AND CITY OF WILSON STANDARDS, SPECIFICATIONS, & DETAILS IF APPLICABLE.

SANITARY SEWER

- 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 GRADE.
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 CONSTRUCTION.
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:

- 1. 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.
2. 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 TO EXISTING CONDITION OR BETTER.
6. A TRAFFIC CONTROL PLAN SHALL BE SUBMITTED AND APPROVED BY THE ENGINEER, CITY OF WILSON, AND DOT (AS APPROPRIATE) PRIOR TO STARTING CONSTRUCTION.

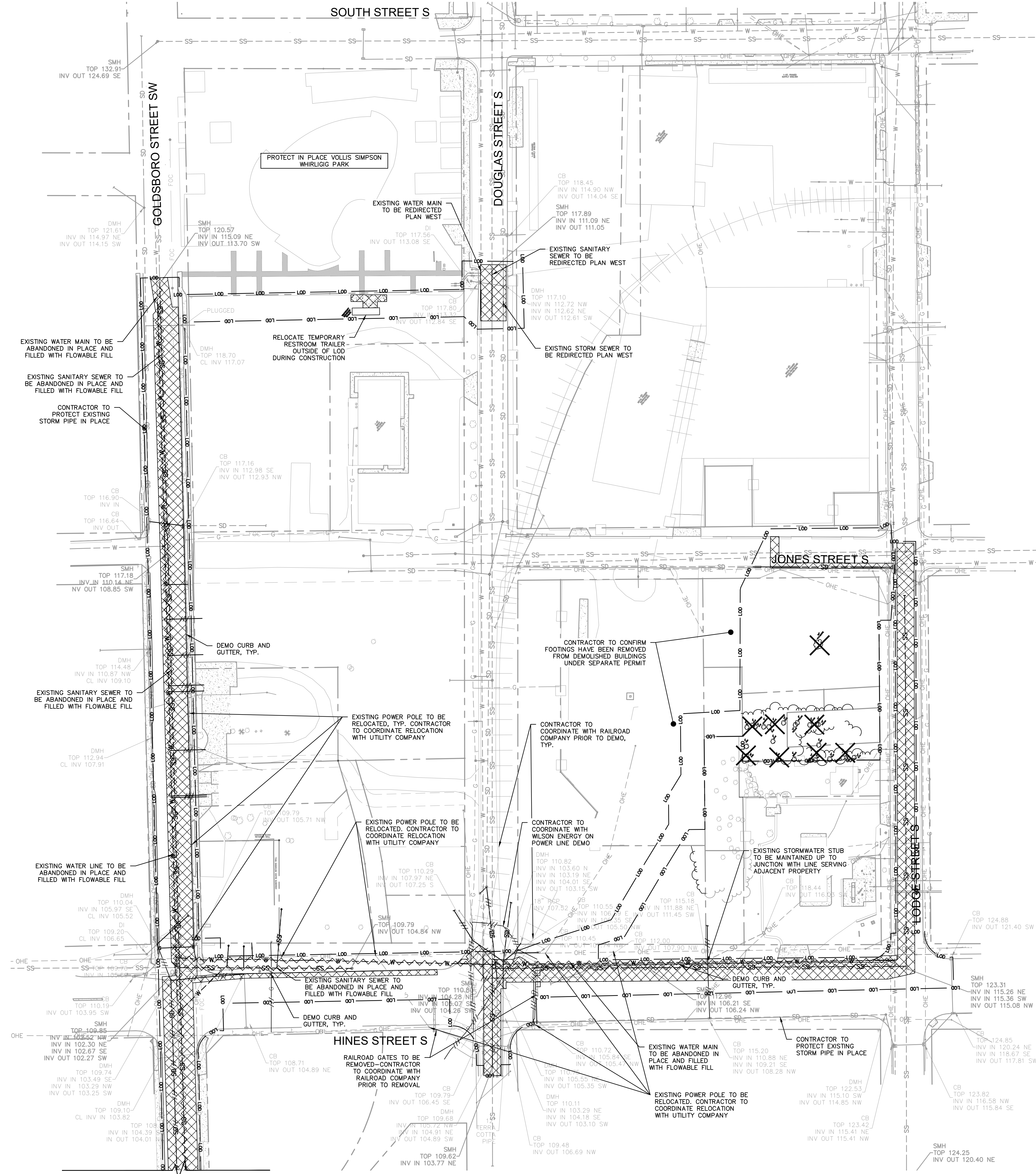
STANDARD UTILITY NOTES

- 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 ENCASMENT 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.
3. 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.
4. 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.
6. 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 EASEMENT.
7. 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 CONSTRUCTION.
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 APPLY.
16. IF NCDEQ WATER AND SANITARY SEWER PERMITS ARE REQUIRED, CONTRACTOR IS RESPONSIBLE FOR ALL PERMIT FEES.
17. 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.
3. 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 MATERIALS TESTING AGENT. FILL SHALL BE PLACED AND COMPACTED IN MAXIMUM 8" LIFTS.
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.
5. 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.
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 MATERIALS 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 STRINGENT.
8. ALL SIGNS, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES ON PUBLIC STREETS SHALL CONFORM TO MUTCD, NCDOT, AND CITY OF WILSON STANDARDS.
9. 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 MATERIALS 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 STRINGENT.
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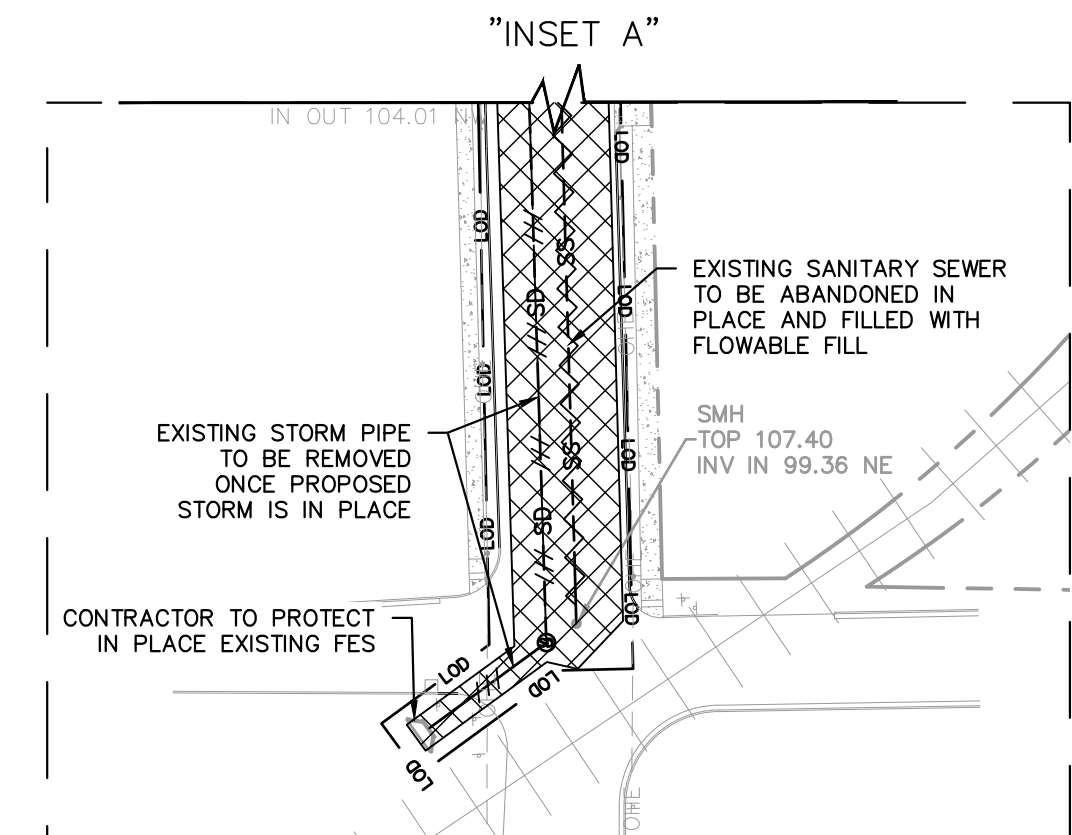
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DEMOLITION LEGEND	
	PROPERTY LINE
	LIMITS OF DISTURBANCE
	DEMOLISH SITE ITEM
	DEMOLISH UNDERGROUND UTILITY
	ABANDON UTILITY IN PLACE
	SAWCUT
	DEMOLISH SITE ITEM/TREE TO BE REMOVED
	BUILDINGS TO BE REMOVED
	SIDEWALK/PAVEMENT TO BE REMOVED

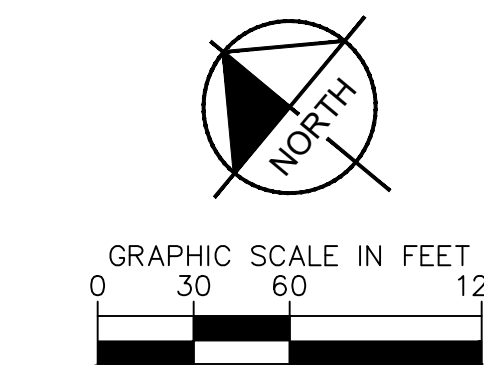
DEMOLITION NOTES

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



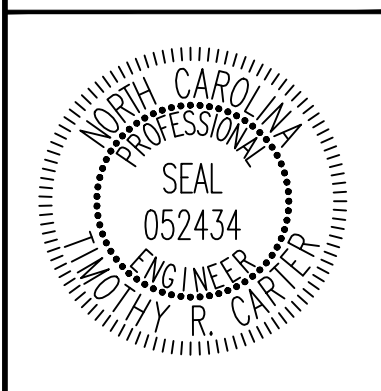
ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL CITY OF WILSON AND/OR NCDOT STANDARDS AND SPECIFICATIONS.

SURVEY NOTE:
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KHA PROJECT	268255002
DATE	01/26/2024
SCALE	AS SHOWN
DESIGNED BY:	SRH
DRAWN BY:	SRH
CHECKED BY:	TRC

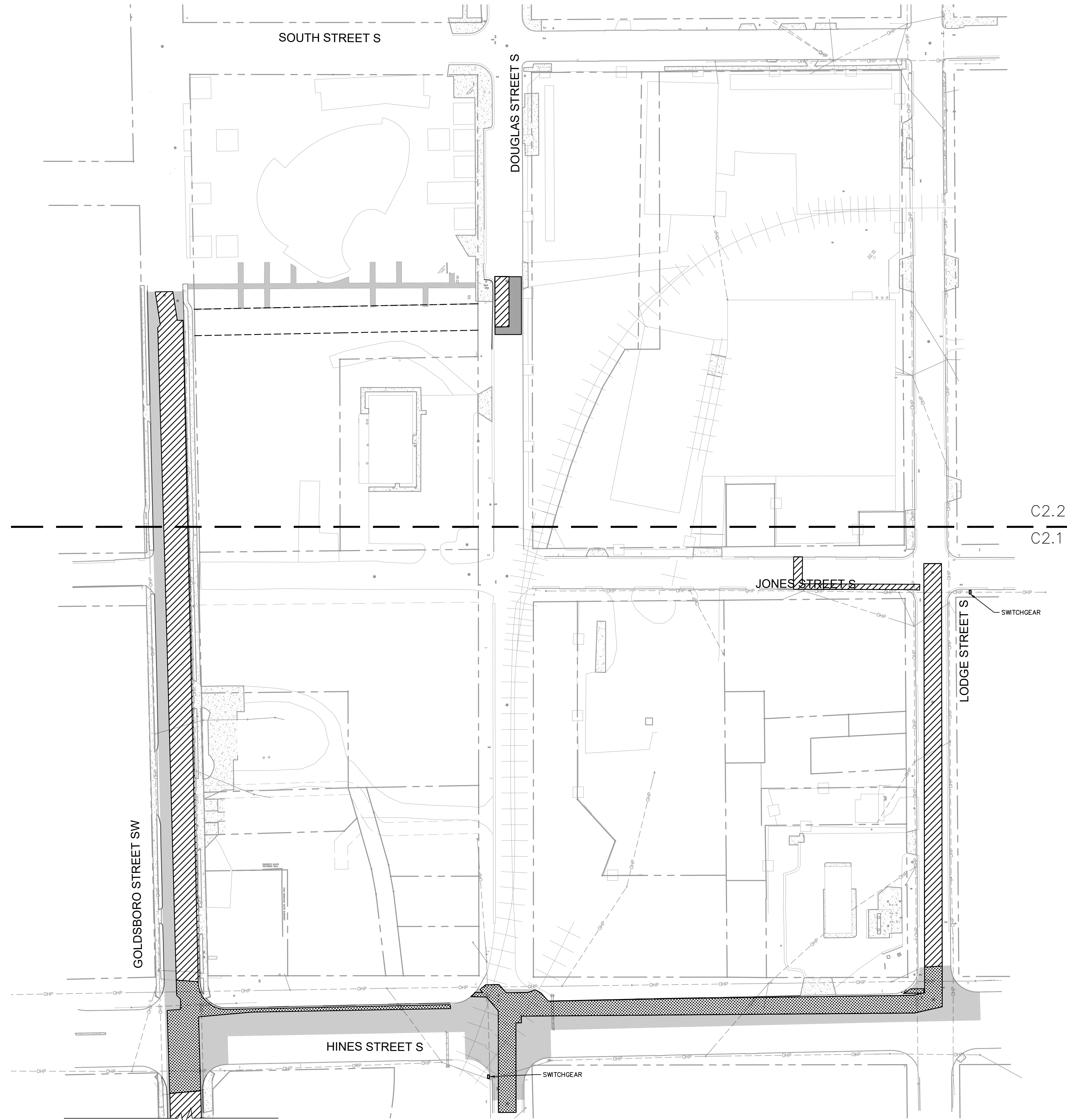
DEMOLITION PLAN

WILSON BALLPARK UTILITIES EXPANSION PREPARED FOR CITY OF WILSON

WILSON NORTH CAROLINA

SHEET NUMBER **C1.1**

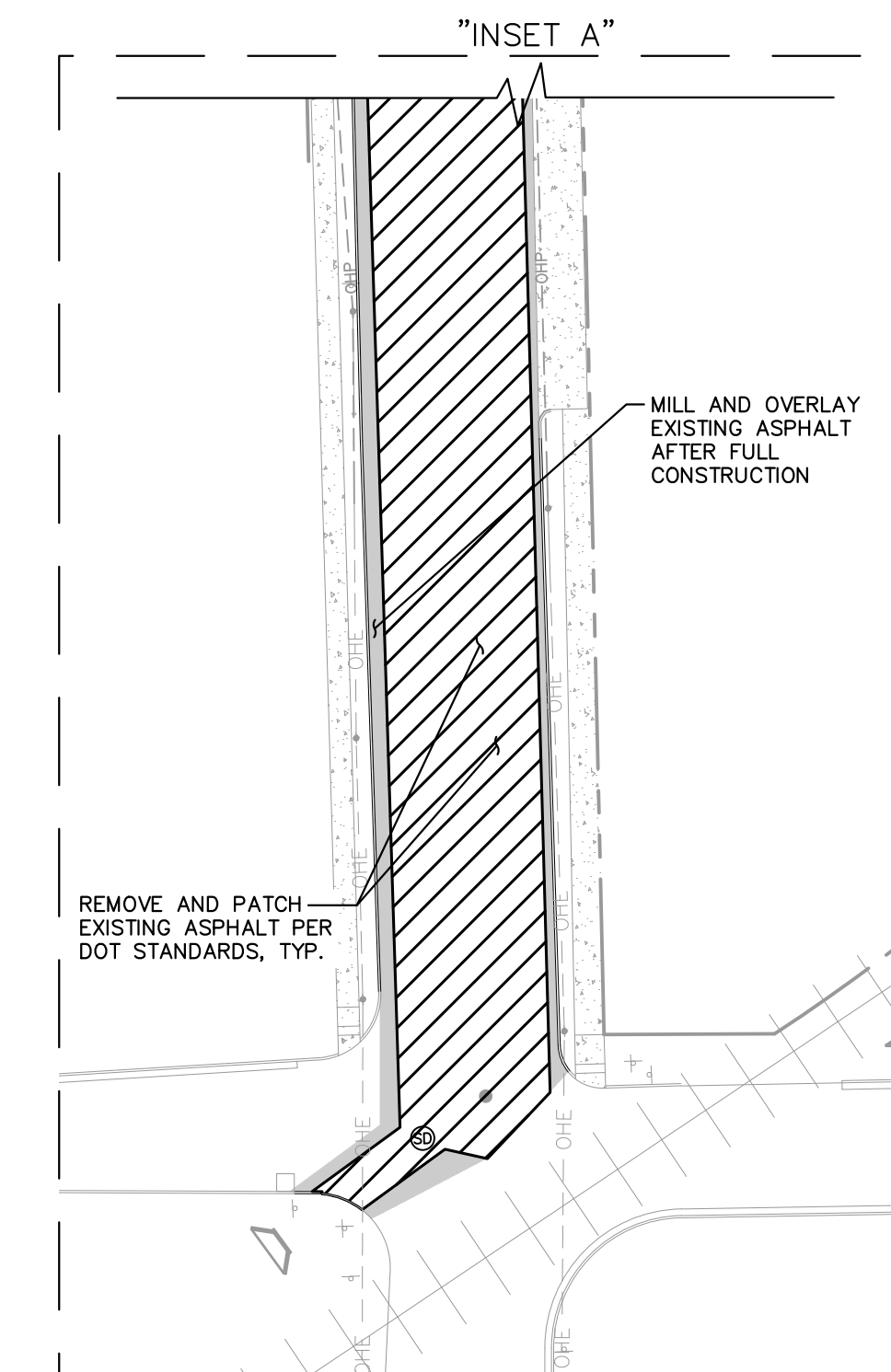
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SEE "INSET A" THIS SHEET

SITE LEGEND	
	PROPERTY LINE
	EASEMENT LINE
	HEADER CURB
	CITY ASPHALT
	DOT ASPHALT
	MILL AND OVERLAY EXISTING ASPHALT

SITE DATA TABLE	
SITE ADDRESS	GOLDSBORO ST S & HINES ST S
SITE PINS	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, 3721-28-6932
FEMA DIGITAL FLOOD INSURANCE MAP	DFIRM PANEL 3720372100K (EFFECTIVE APRIL 16, 2013)
EXISTING ZONING	IMX, OS
EXISTING USE	COMMERCIAL/INDUSTRIAL BUILDINGS
PROPOSED USE	COMMERCIAL/INDUSTRIAL BUILDINGS
GROSS SITE AREA	15.61 AC (679972 SF)



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

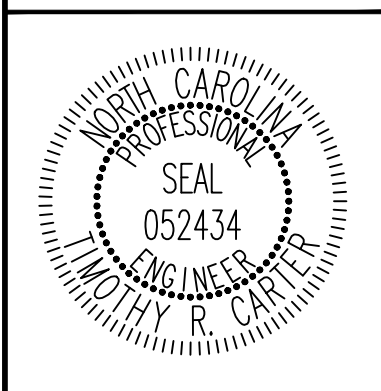
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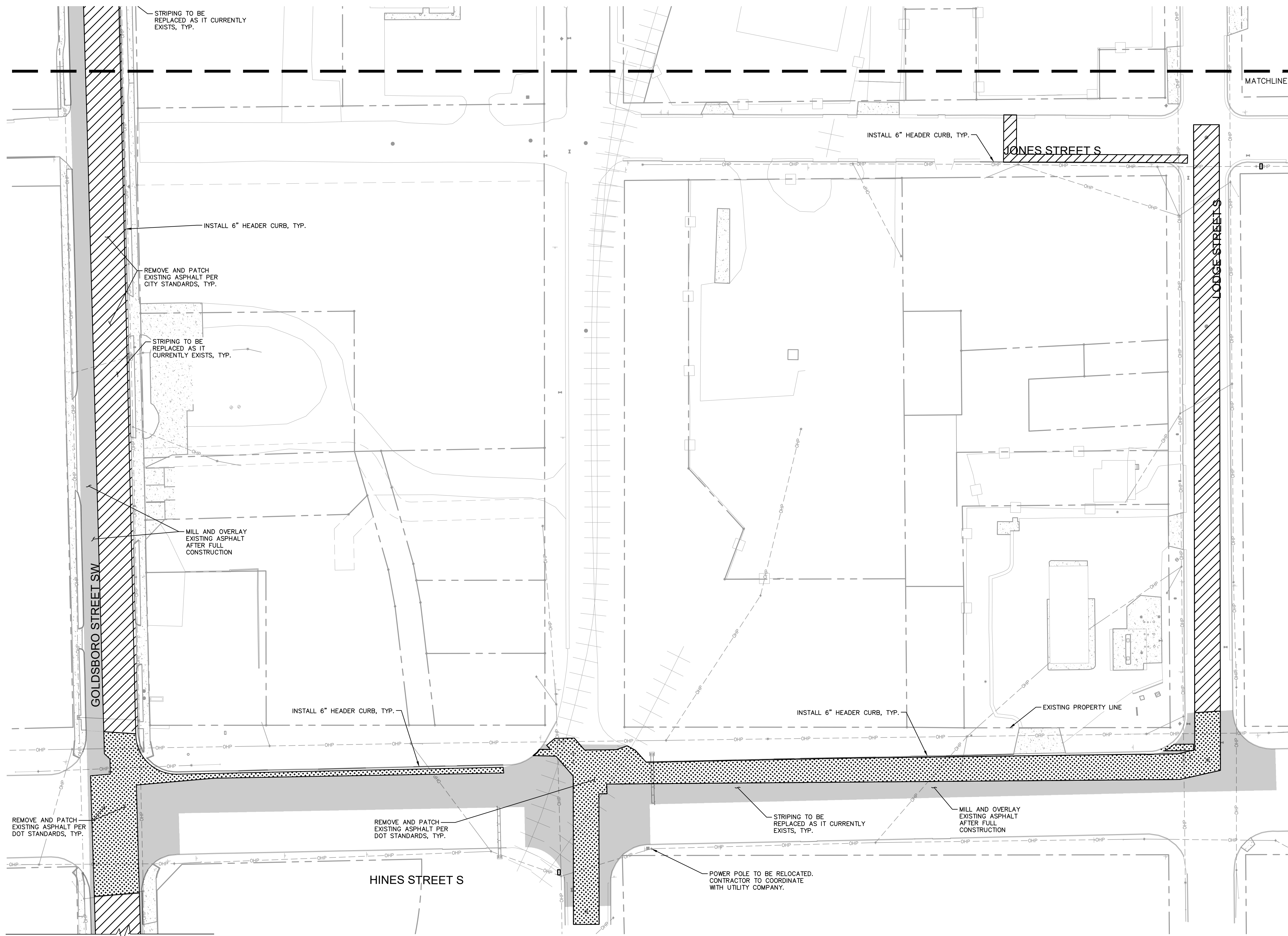
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DATE	01/26/2024
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OVERALL SITE PLAN

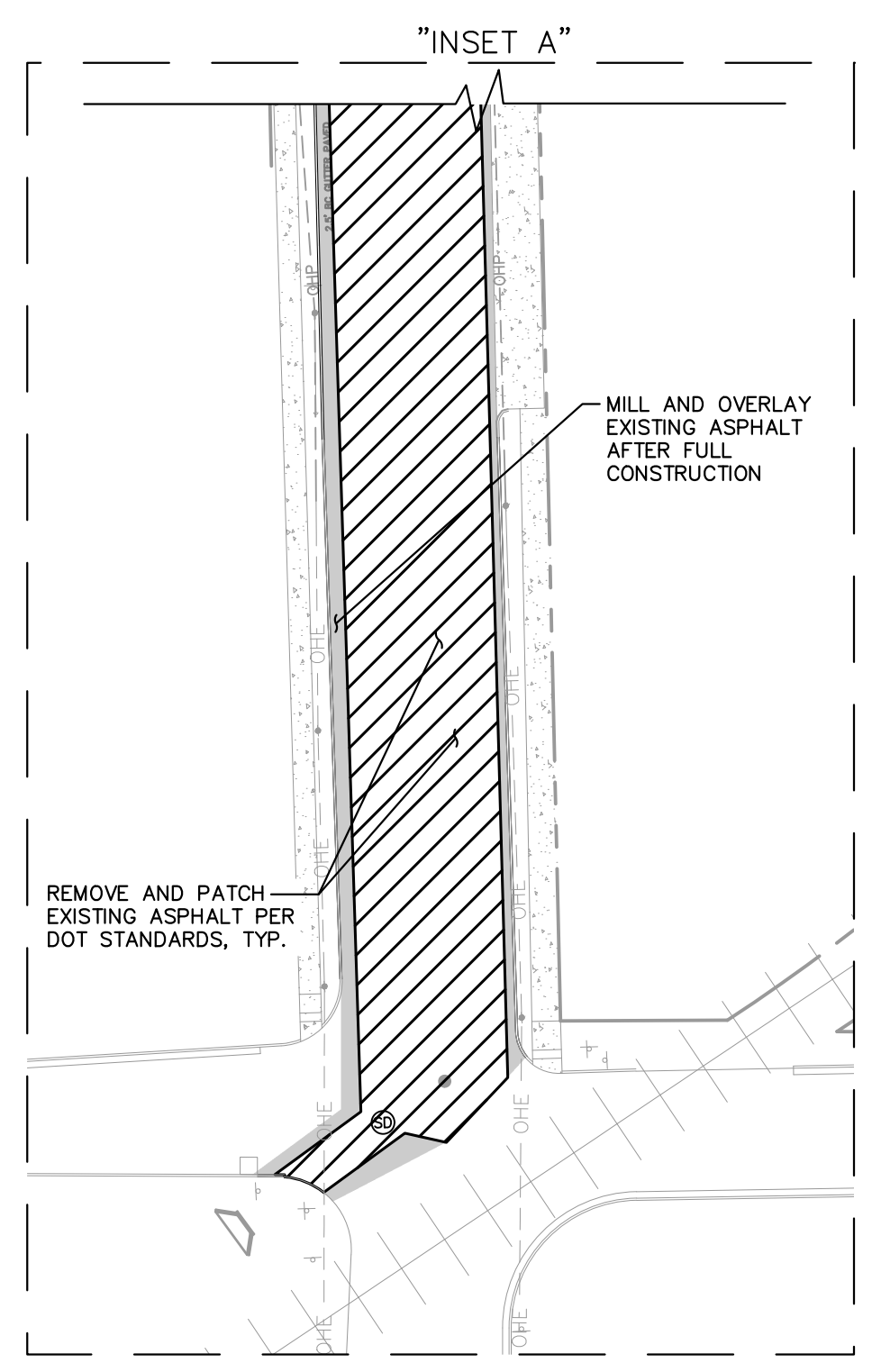
WILSON BALLPARK UTILITIES EXPANSION
 PREPARED FOR
CITY OF WILSON
 WILSON NORTH CAROLINA

SHEET NUMBER
C2.0

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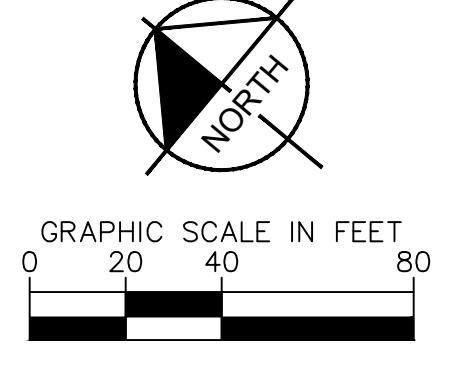


SITE LEGEND	
	PROPERTY LINE
	EASEMENT LINE
	HEADER CURB
	CITY ASPHALT
	DOT ASPHALT
	MILL AND OVERLAY EXISTING ASPHALT



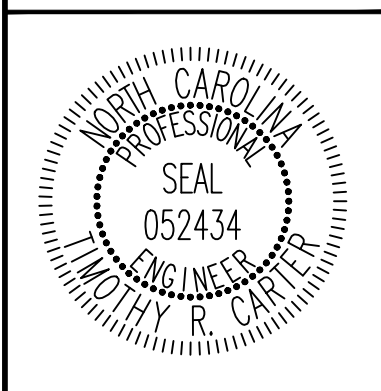
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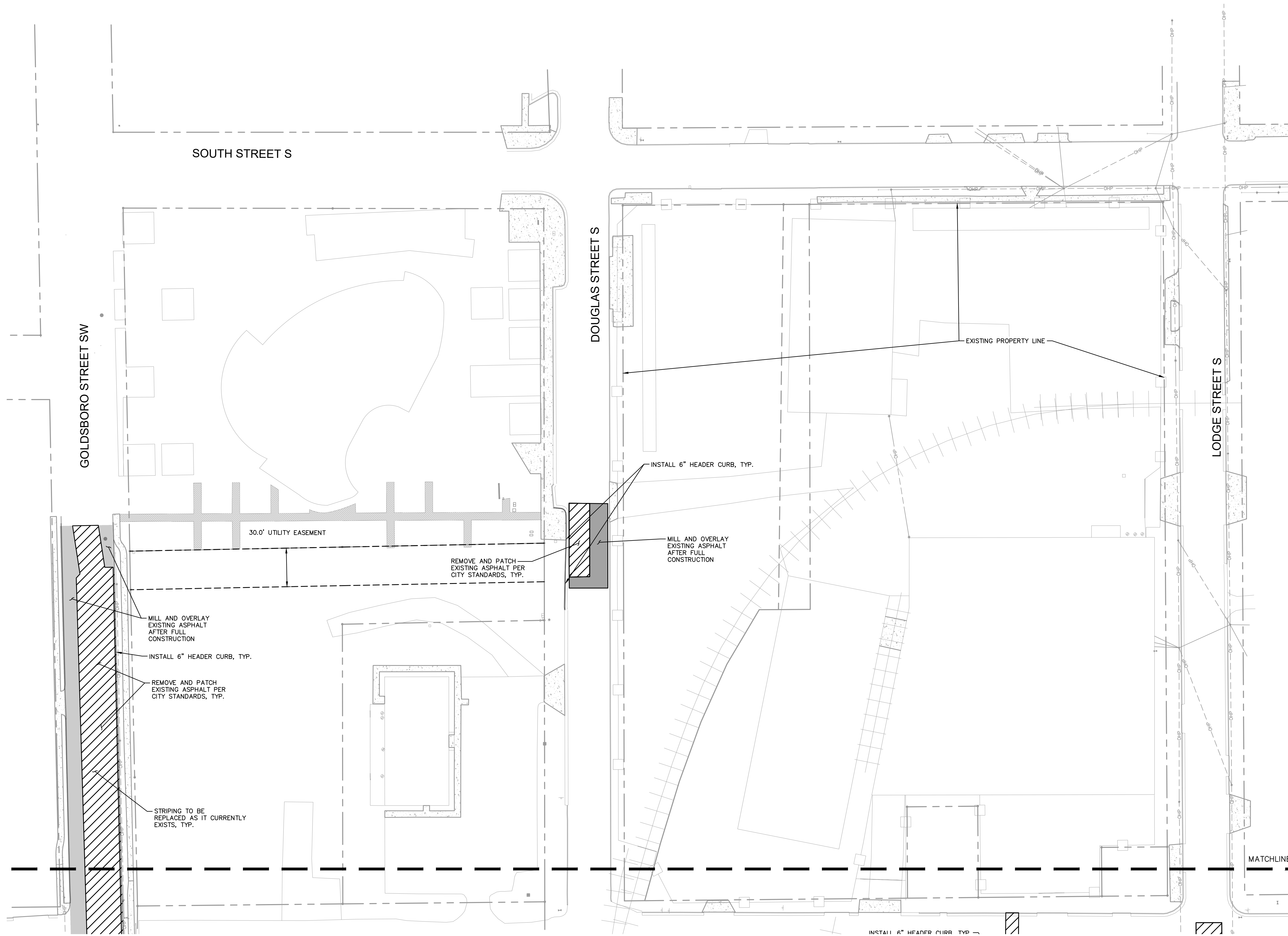


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SITE PLAN

WILSON BALLPARK UTILITIES EXPANSION
 PREPARED FOR
CITY OF WILSON
 NORTH CAROLINA
 WILSON
 SHEET NUMBER
C2.1

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SITE LEGEND	
	PROPERTY LINE
	EASEMENT LINE
	HEADER CURB
	CITY ASPHALT
	DOT ASPHALT
	MILL AND OVERLAY EXISTING ASPHALT

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

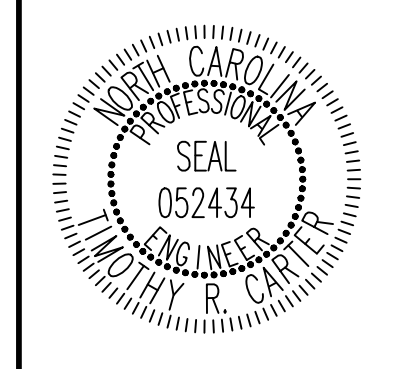
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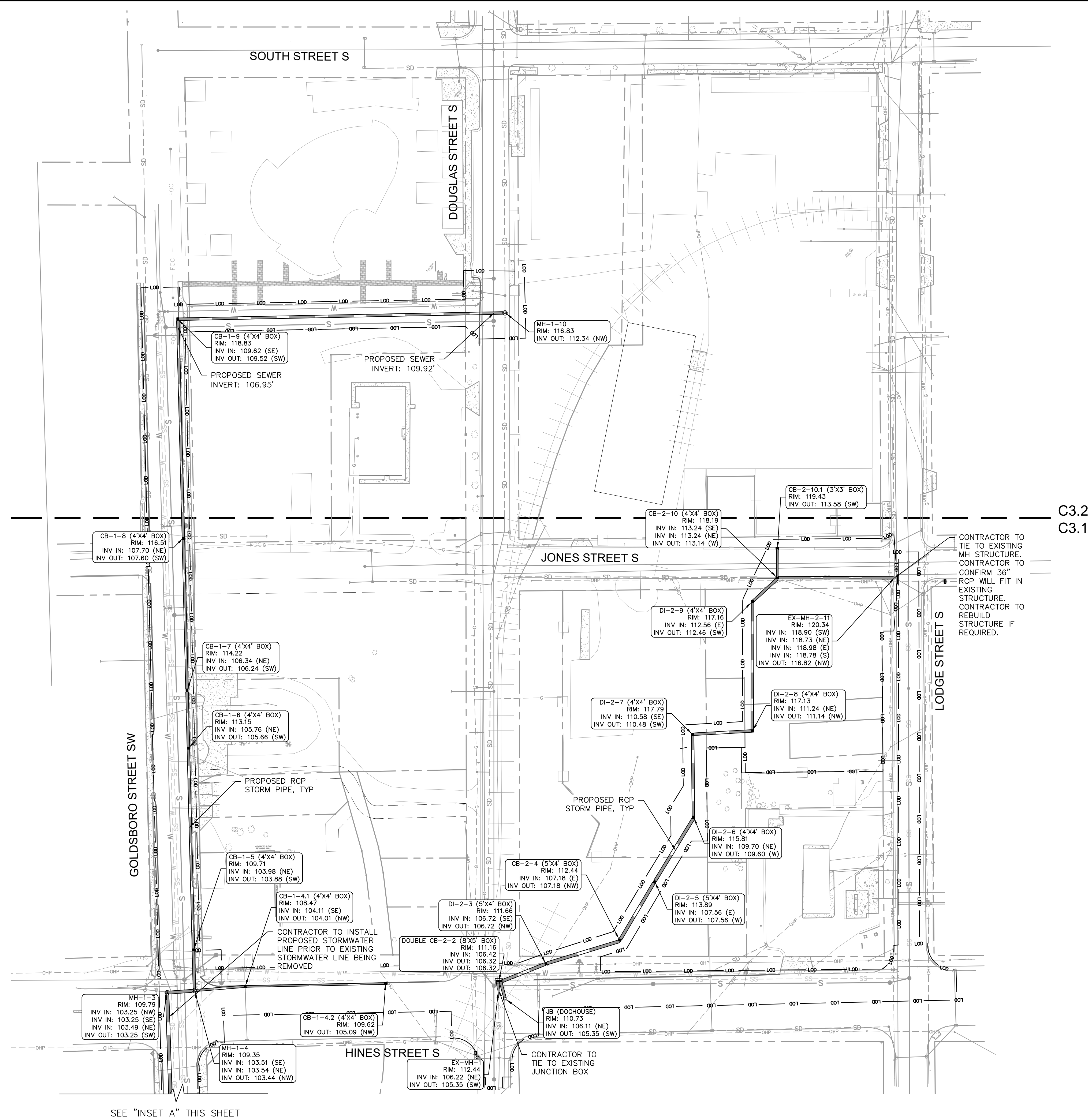
SITE PLAN

WILSON BALLPARK UTILITIES EXPANSION
 PREPARED FOR
CITY OF WILSON
 NORTH CAROLINA

WILSON

SHEET NUMBER
C2.2

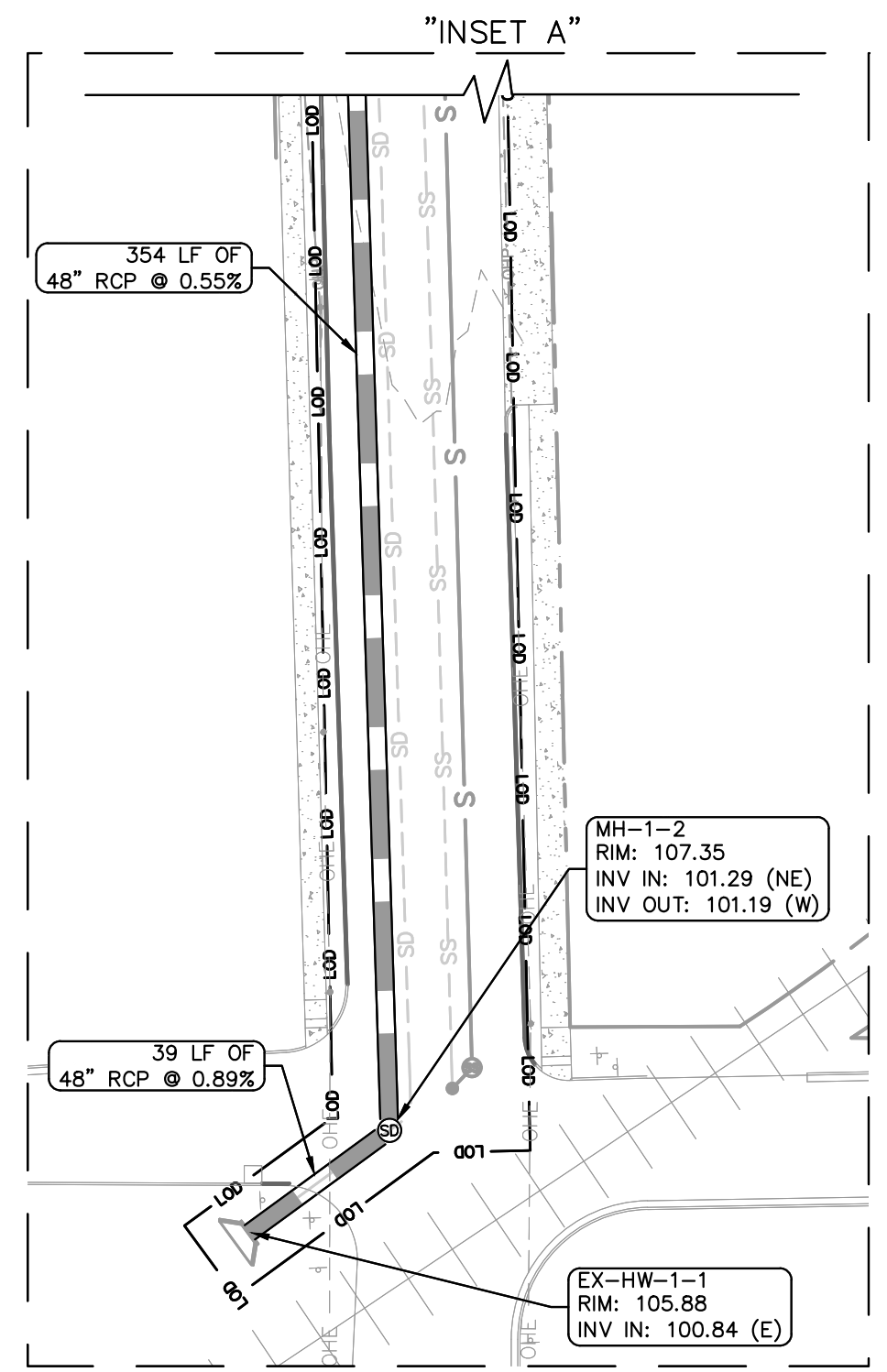
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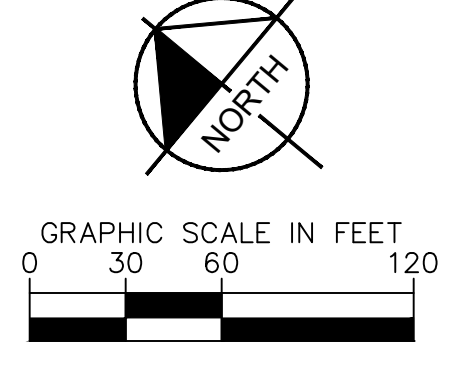
GRADING AND DRAINAGE LEGEND	
---	PROPERTY LINE
---	LIMITS OF DISTURBANCE
---	TEMPORARY CONSTRUCTION EASEMENT
---	STORM DRAIN (≥ 12 INCH)
---	STORM DRAIN (< 12 INCH)
---	CURB AND GUTTER
---	SPILL CURB AND GUTTER
---	CLEARING LIMITS
---	EXISTING CONTOUR
---	PROPOSED CONTOUR
□	CATCH BASIN (CB)
○	MANHOLE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

NOTE:
CONTRACTOR TO RETURN SITE TO ORIGINAL EXISTING GRADES FOLLOWING CONSTRUCTION.

C3.2
C3.1

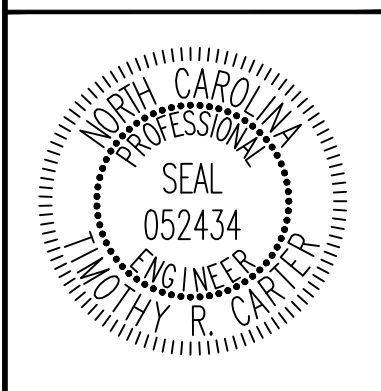


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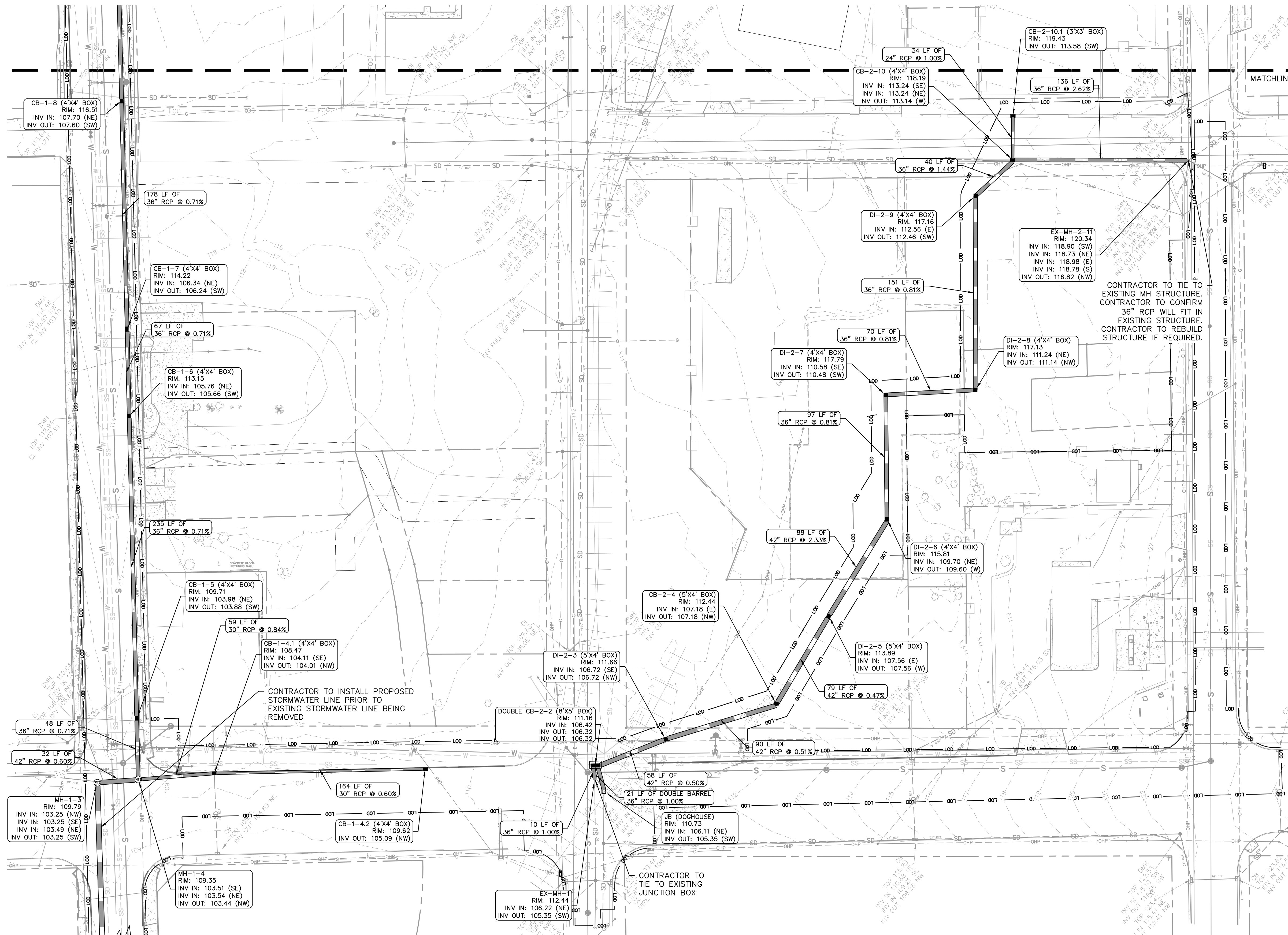


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OVERALL GRADING AND DRAINAGE PLAN

WILSON BALLPARK UTILITIES EXPANSION PREPARED FOR CITY OF WILSON NORTH CAROLINA
SHEET NUMBER **C3.0**

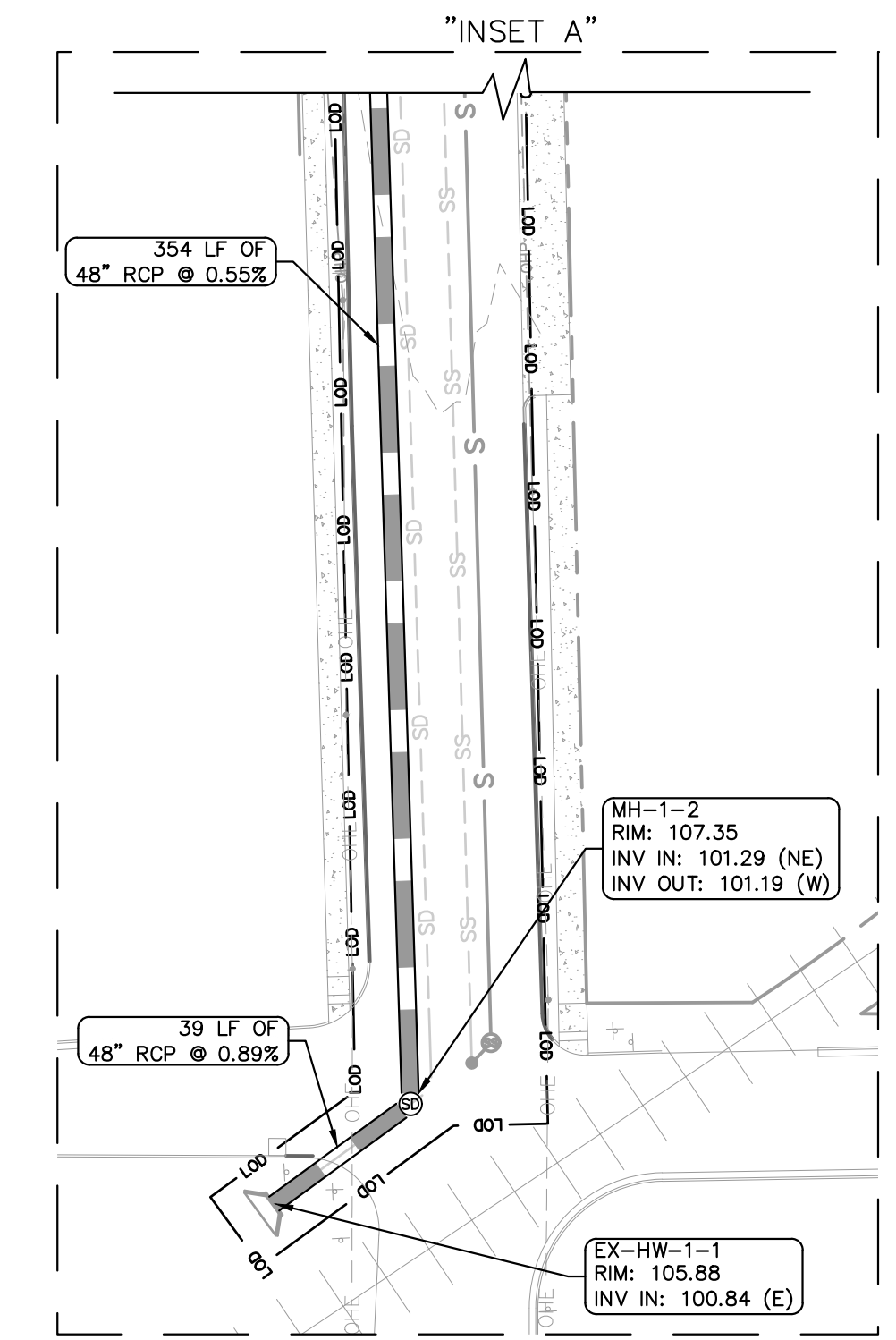
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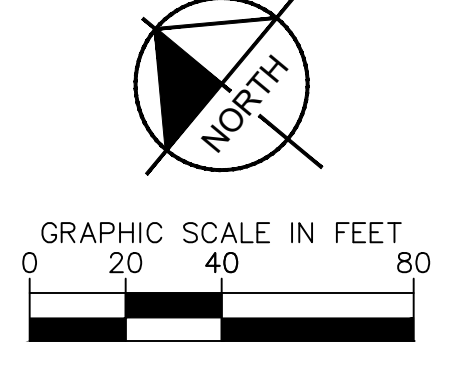
GRADING AND DRAINAGE LEGEND	
---	PROPERTY LINE
---	LIMITS OF DISTURBANCE
---	TEMPORARY CONSTRUCTION EASEMENT
---	STORM DRAIN (> 12 INCH)
---	STORM DRAIN (< 12 INCH)
---	CURB AND GUTTER
---	SPILL CURB AND GUTTER
---	CLEARING LIMITS
---	EXISTING CONTOUR
---	PROPOSED CONTOUR
□	CATCH BASIN (CB)
○	MANHOLE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

NOTE:
CONTRACTOR TO RETURN SITE TO ORIGINAL EXISTING GRADES FOLLOWING CONSTRUCTION.

CONTRACTOR TO TIE TO EXISTING MH STRUCTURE. CONTRACTOR TO CONFIRM 36" RCP WILL FIT IN EXISTING STRUCTURE. CONTRACTOR TO REBUILD STRUCTURE IF REQUIRED.



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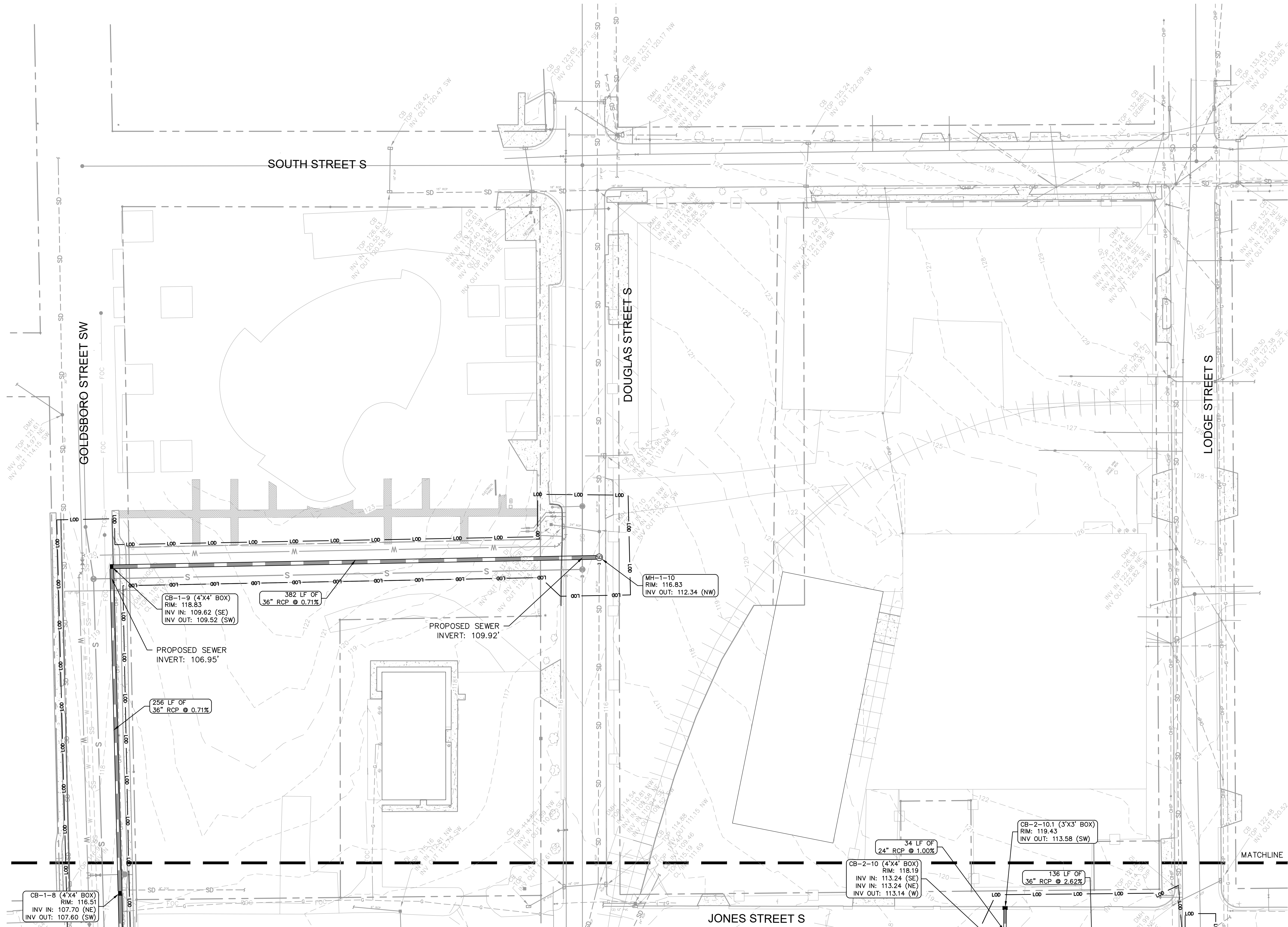


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GRADING AND DRAINAGE PLAN

WILSON BALLPARK UTILITIES EXPANSION PREPARED FOR CITY OF WILSON
 NORTH CAROLINA
 SHEET NUMBER **C3.1**

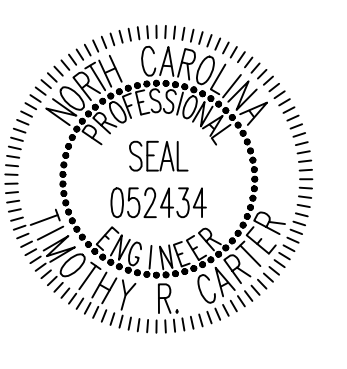
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GRADING AND DRAINAGE LEGEND	
	PROPERTY LINE
	LIMITS OF DISTURBANCE
	TEMPORARY CONSTRUCTION EASEMENT
	STORM DRAIN (≥ 12 INCH)
	STORM DRAIN (< 12 INCH)
	CURB AND GUTTER
	SPILL CURB AND GUTTER
	CLEARING LIMITS
	EXISTING CONTOUR
	PROPOSED CONTOUR
	CATCH BASIN (CB)
	MANHOLE (SDMH)
	CLEANOUT (SDCO)
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	AREA DRAIN (AD)
	CONTROL STRUCTURE (CS)
	FLARED END SECTION (FES)
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NOTE:
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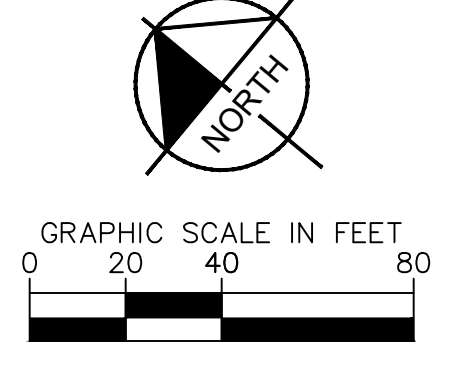
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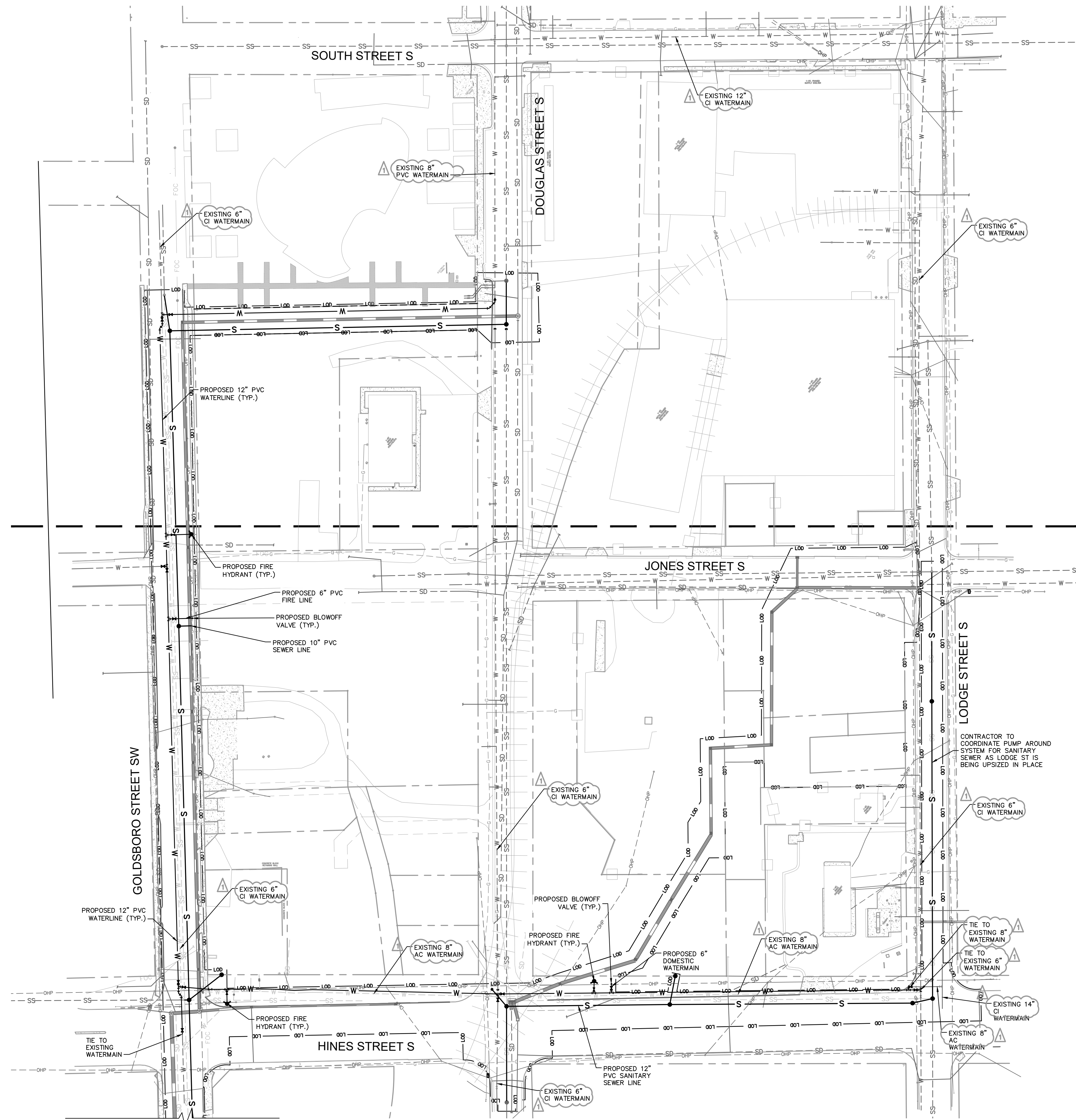
GRADING AND DRAINAGE PLAN

WILSON BALLPARK
UTILITIES EXPANSION
PREPARED FOR
CITY OF WILSON
NORTH CAROLINA



SHEET NUMBER
C3.2

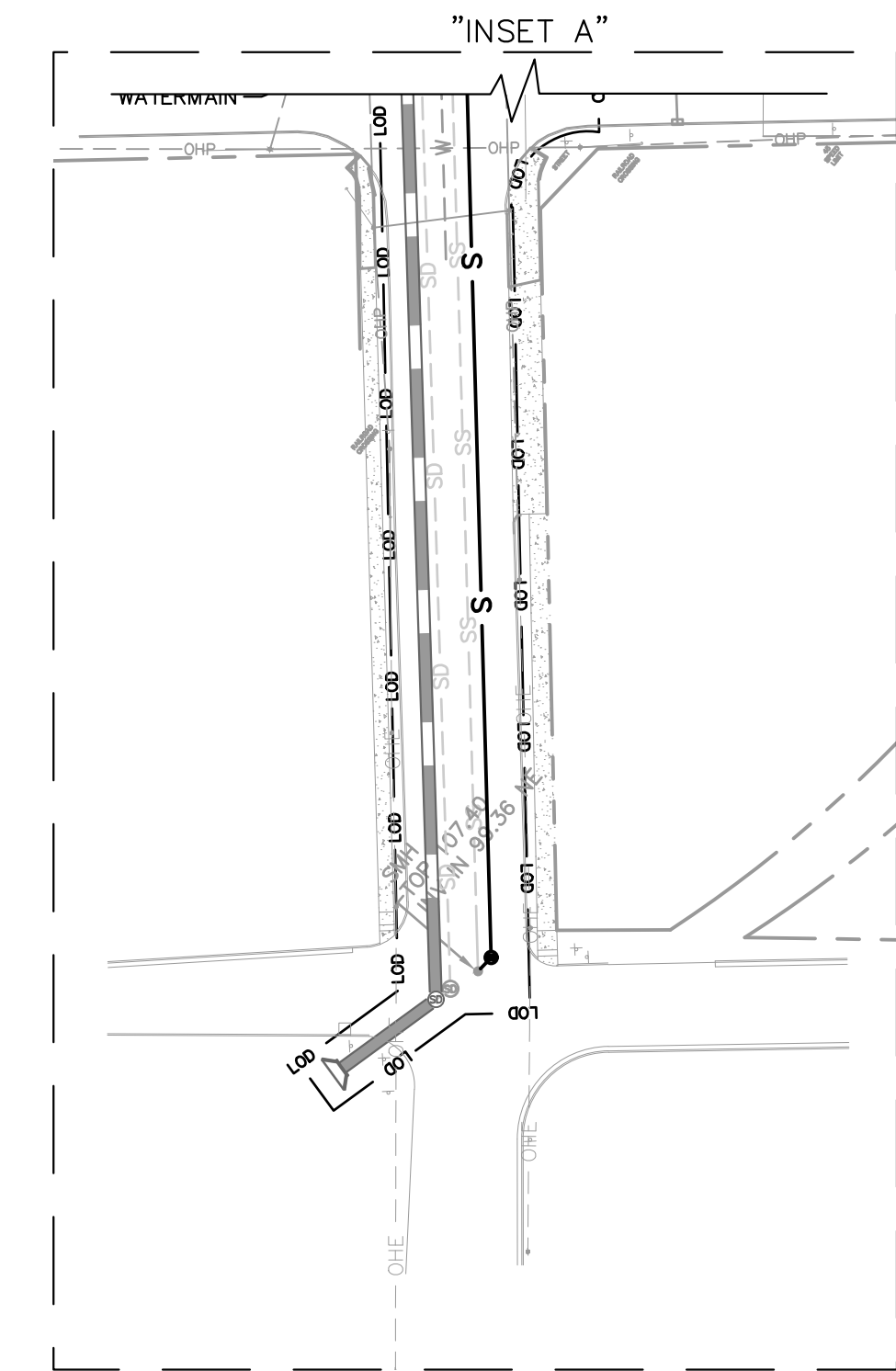
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UTILITY LEGEND	
---	PROPERTY LINE
W	WATER LINE
LOO	LIMITS OF DISTURBANCE
FW	FIRE LINE
SS	SANITARY SEWER LINE
E	ELECTRIC
FO	FIBER OPTIC
G	GAS
P	POWER
T	TELECOMMUNICATION
TV	CABLE
□	LIGHT POLE
X	GATE VALVE
○	POINT OF CONNECTION
Y	PIPE TEE/BENDS
H	REDUCER
⊙	FIRE HYDRANT (FH)
⊙	FIRE DEPARTMENT CONNECTION (FDC)
⊙	SANITARY SEWER CLEANOUT (SSCO)
⊙	SANITARY SEWER MANHOLE (SSMH)
⊙	SANITARY SEWER GREASE TRAP

NOTE:
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.

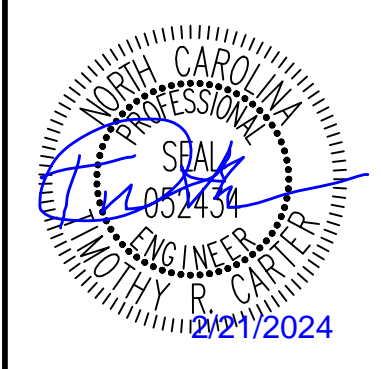
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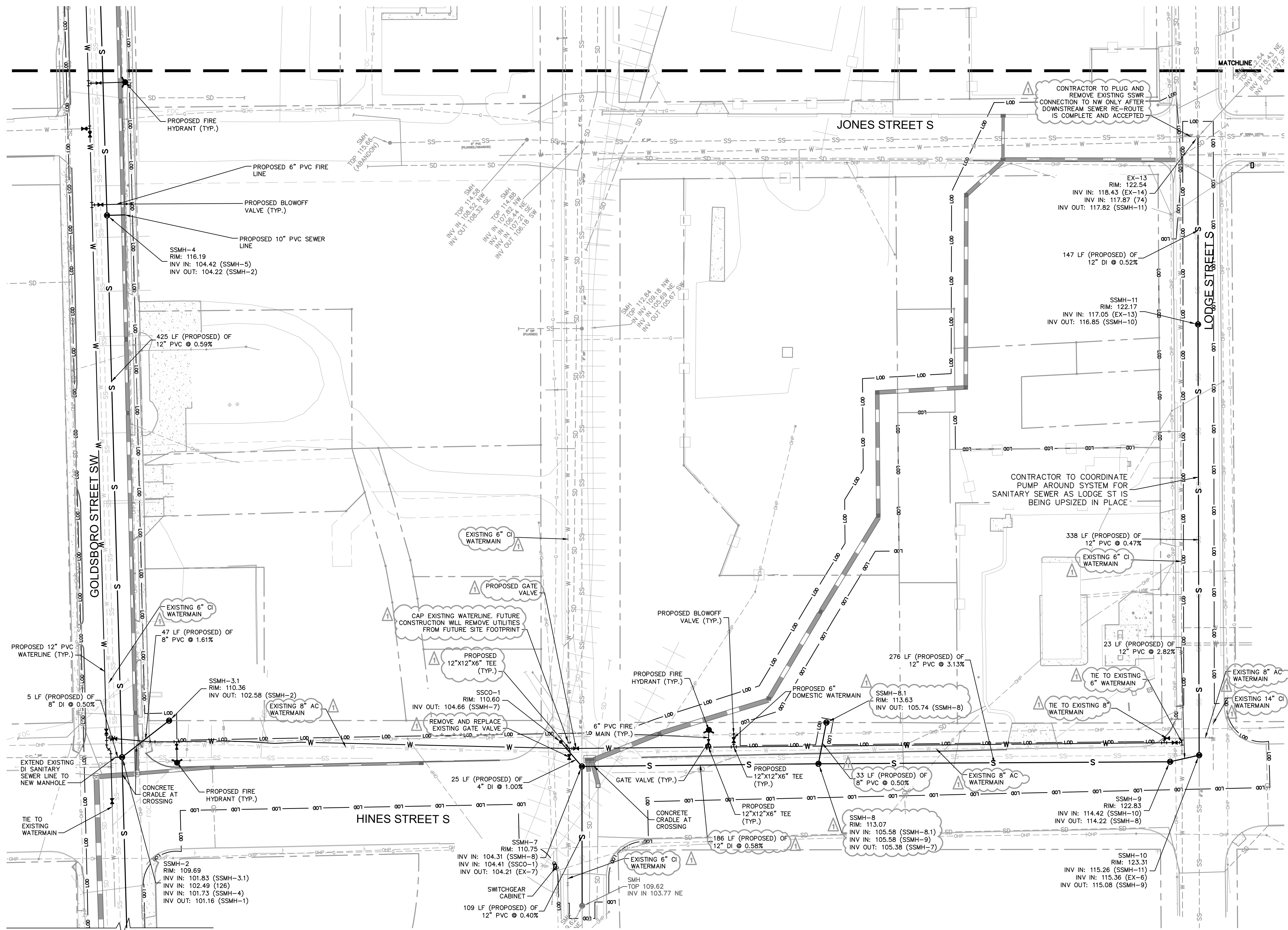
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DRAWN BY:	SRH
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OVERALL UTILITY PLAN

WILSON BALLPARK UTILITIES EXPANSION PREPARED FOR CITY OF WILSON
NORTH CAROLINA
WILSON

SHEET NUMBER
C4.0

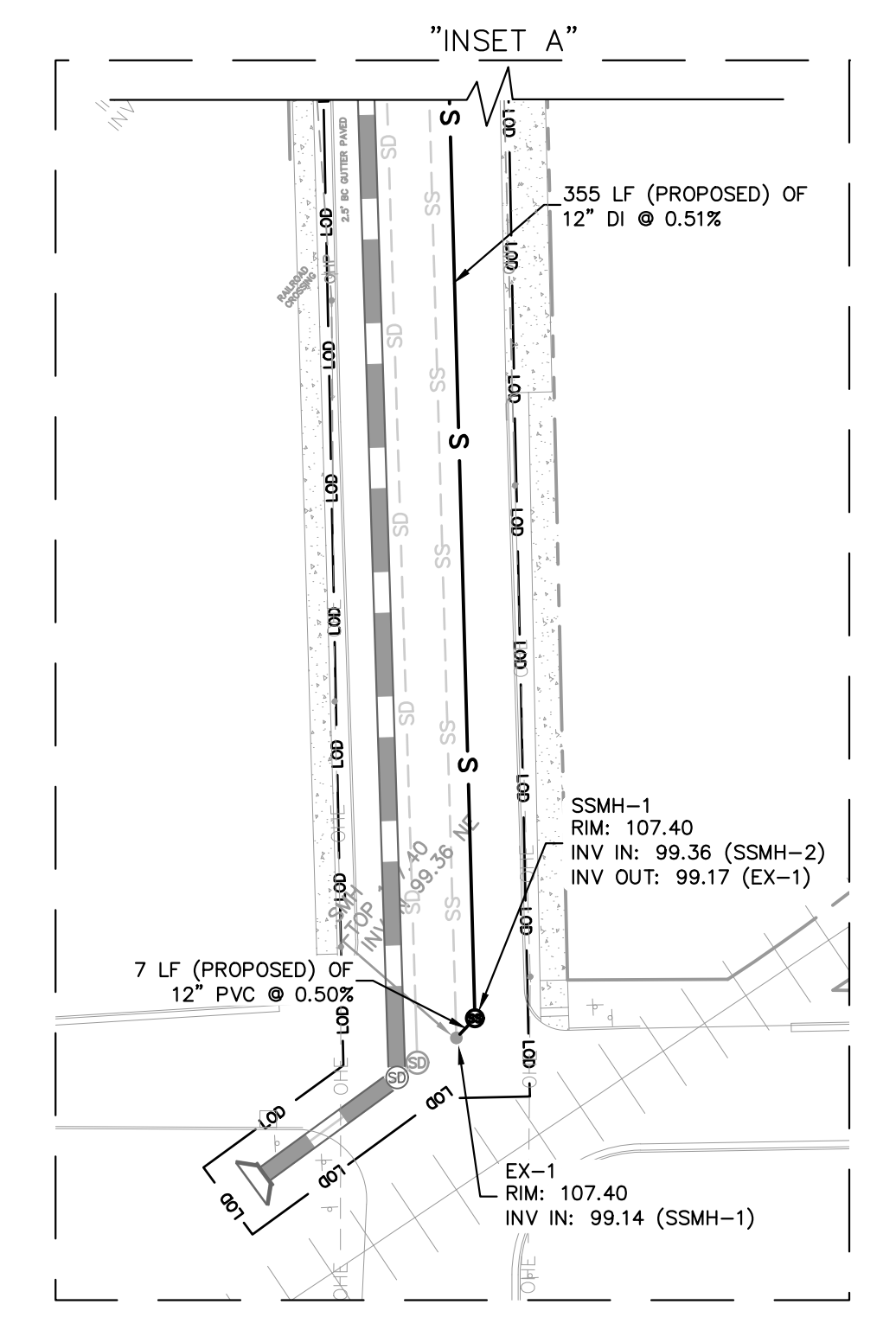
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SEE "INSET A" THIS SHEET

UTILITY LEGEND	
---	PROPERTY LINE
W	WATER LINE
LOO	LIMITS OF DISTURBANCE
FW	FIRE LINE
SS	SANITARY SEWER LINE
E	ELECTRIC
FO	FIBER OPTIC
G	GAS
P	POWER
T	TELECOMMUNICATION
TV	CABLE
□	LIGHT POLE
○	GATE VALVE
○	POINT OF CONNECTION
Y	PIPE TEE/BENDS
H	REDUCER
○	FIRE HYDRANT (FH)
○	FIRE DEPARTMENT CONNECTION (FDC)
○	SANITARY SEWER CLEANOUT (SSCO)
○	SANITARY SEWER MANHOLE (SSMH)
○	SANITARY SEWER GREASE TRAP

NOTE:
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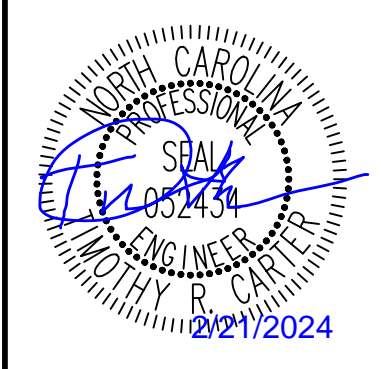
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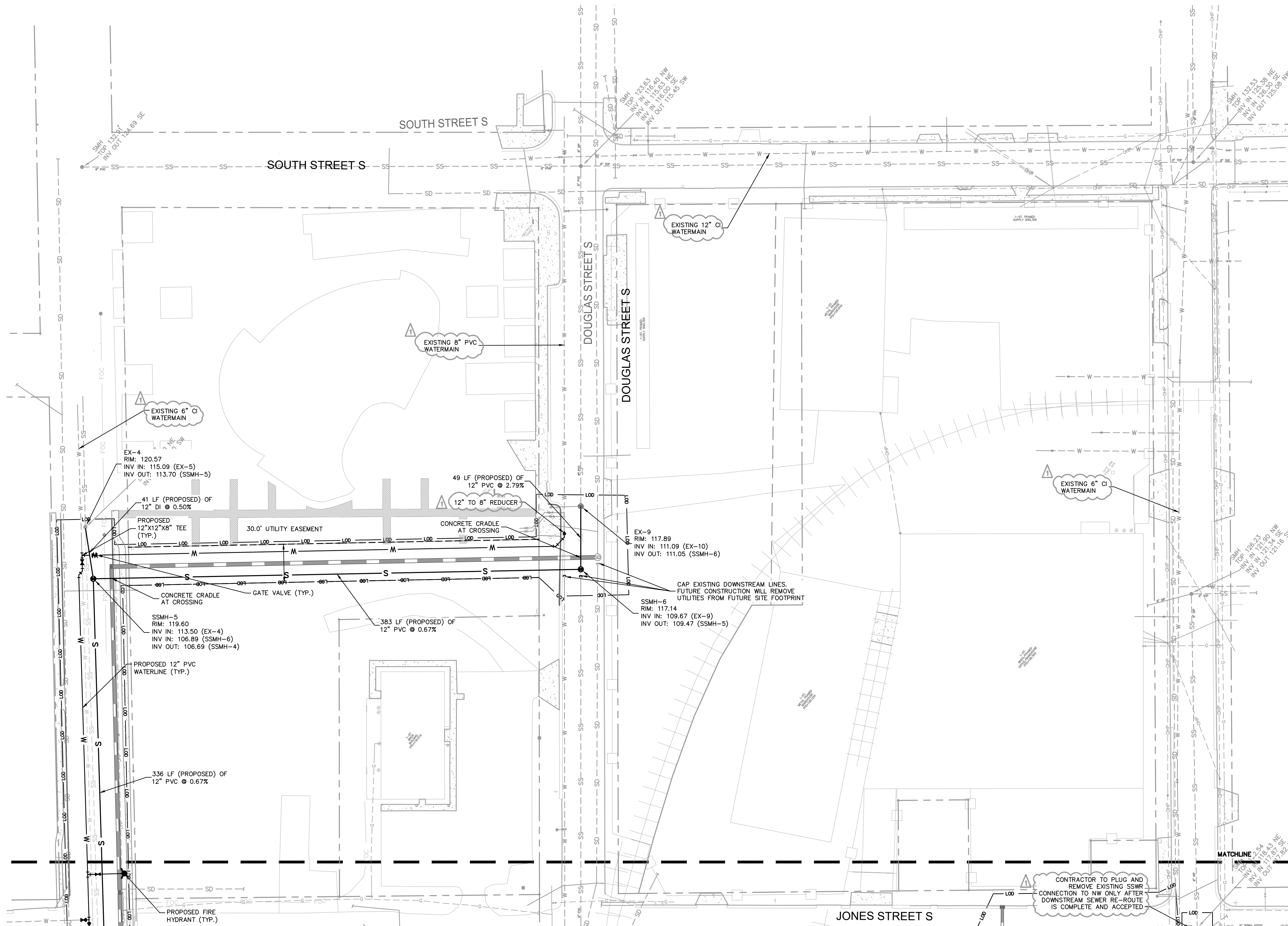
UTILITY PLAN

WILSON BALLPARK UTILITIES EXPANSION PREPARED FOR CITY OF WILSON

WILSON NORTH CAROLINA

SHEET NUMBER
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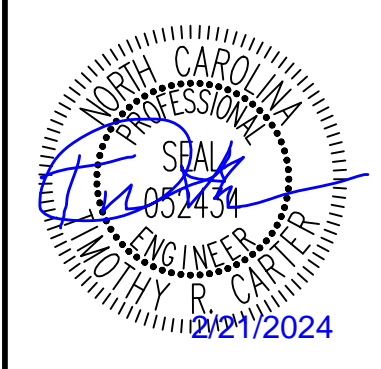


UTILITY LEGEND	
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UTILITY PLAN

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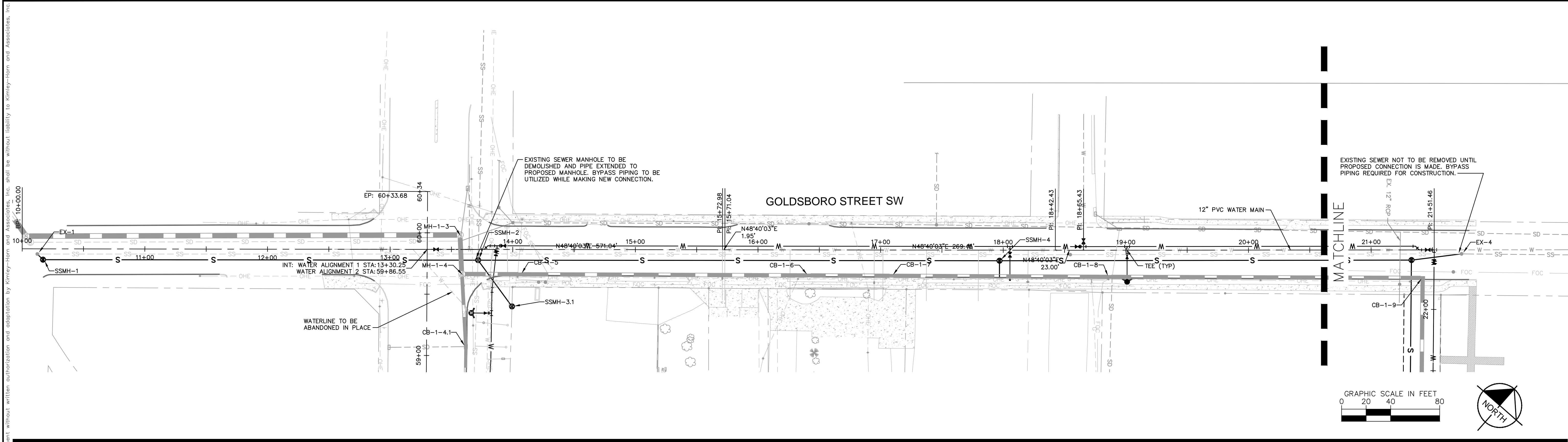
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WILSON BALLPARK
 UTILITIES EXPANSION
 PREPARED FOR
CITY OF WILSON
 NORTH CAROLINA

WILSON

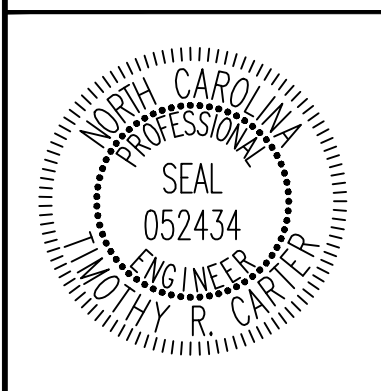
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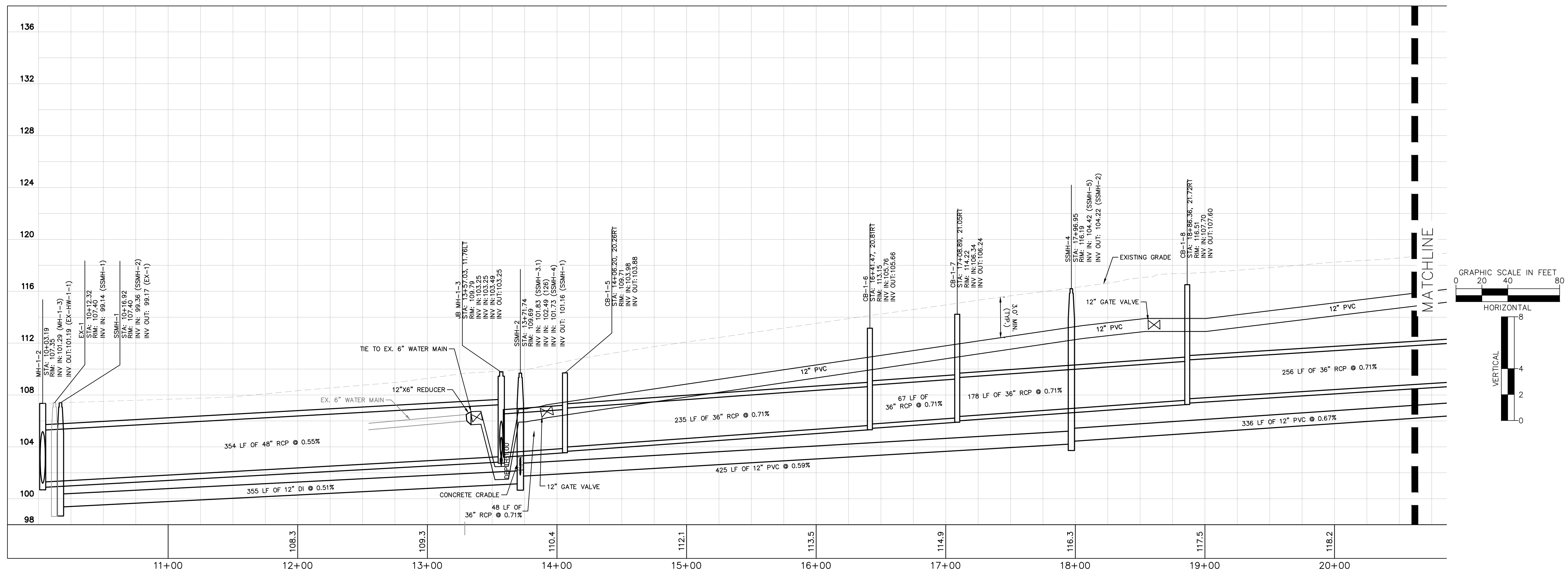
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UTILITY PROFILES

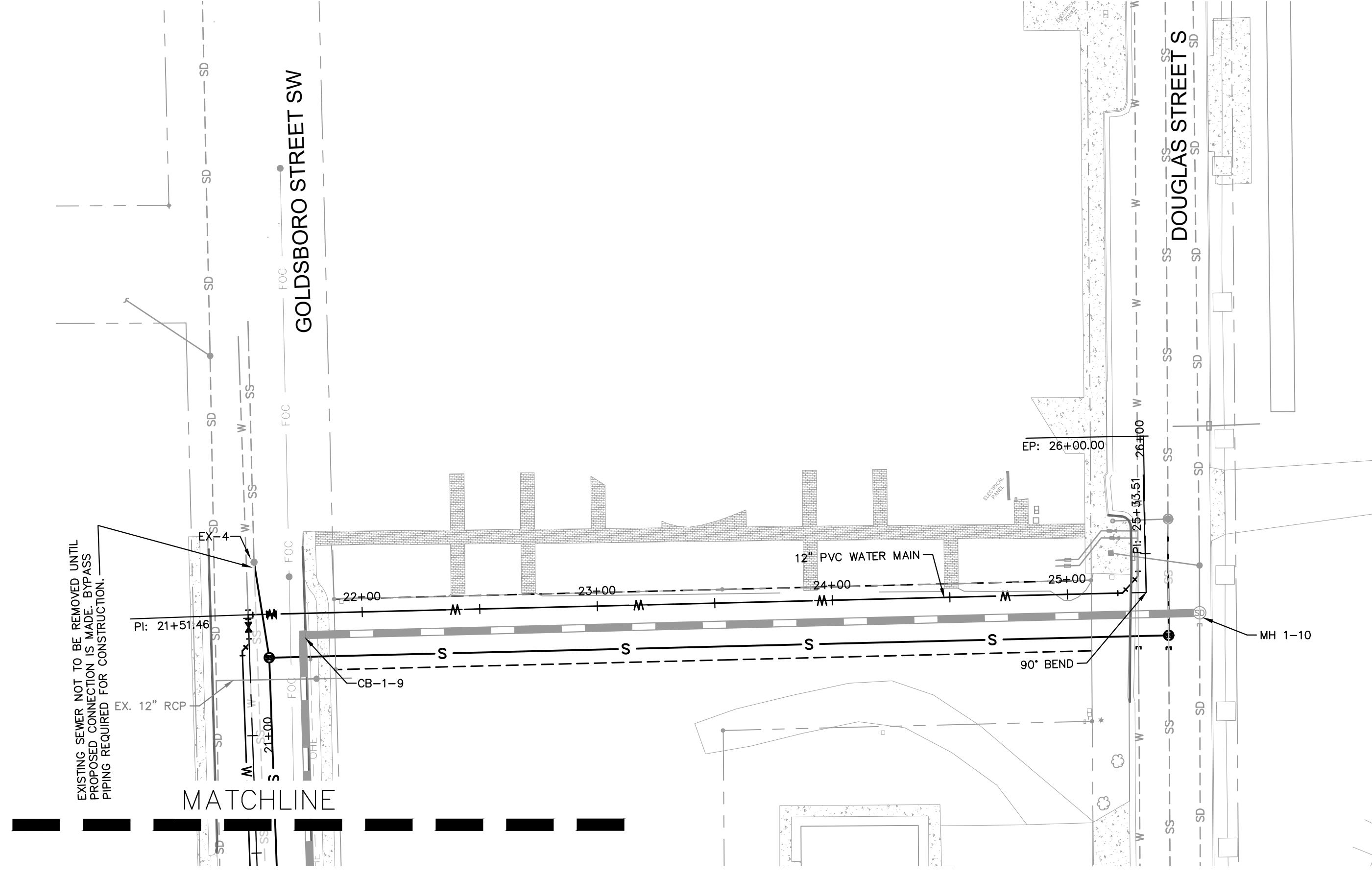
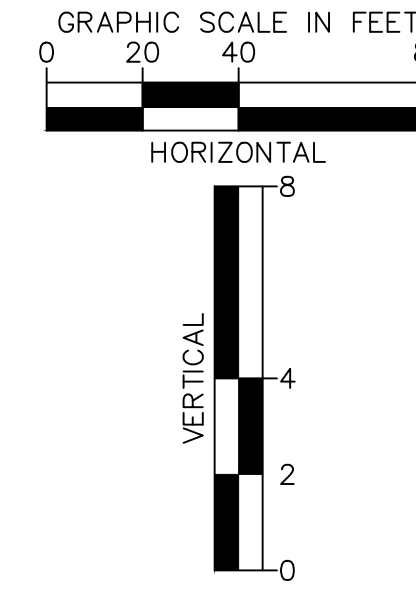
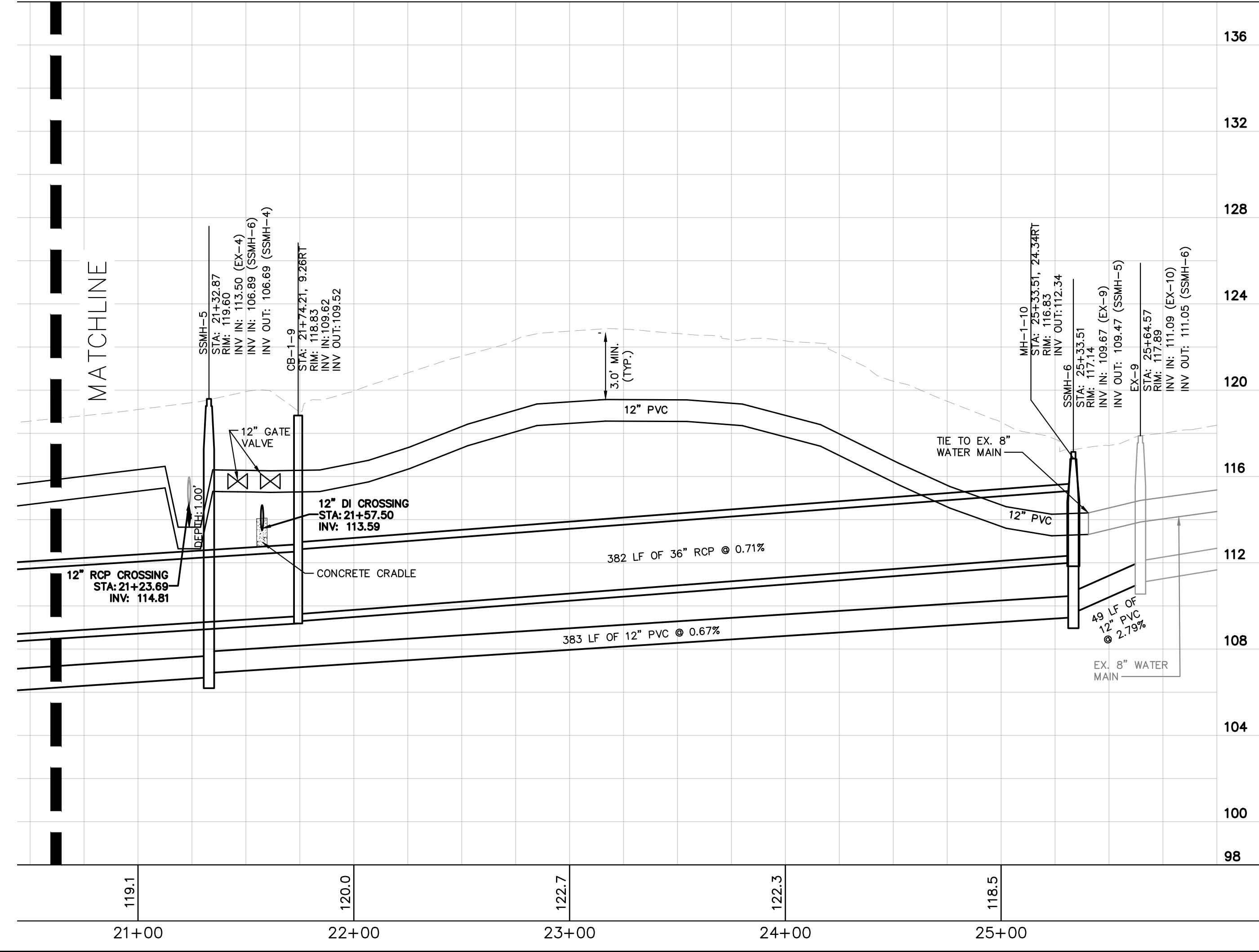


**WILSON BALLPARK
 UTILITIES EXPANSION
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NORTH CAROLINA
 WILSON

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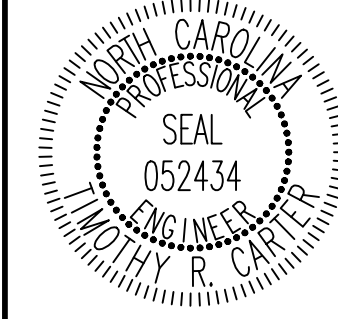
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**WILSON BALLPARK
UTILITIES EXPANSION
PREPARED FOR
CITY OF WILSON**

WILSON NORTH CAROLINA

UTILITY PROFILES

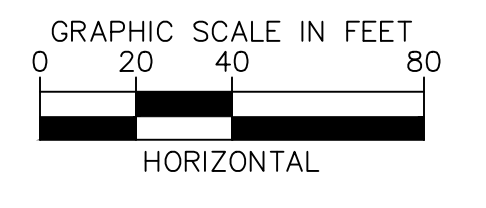
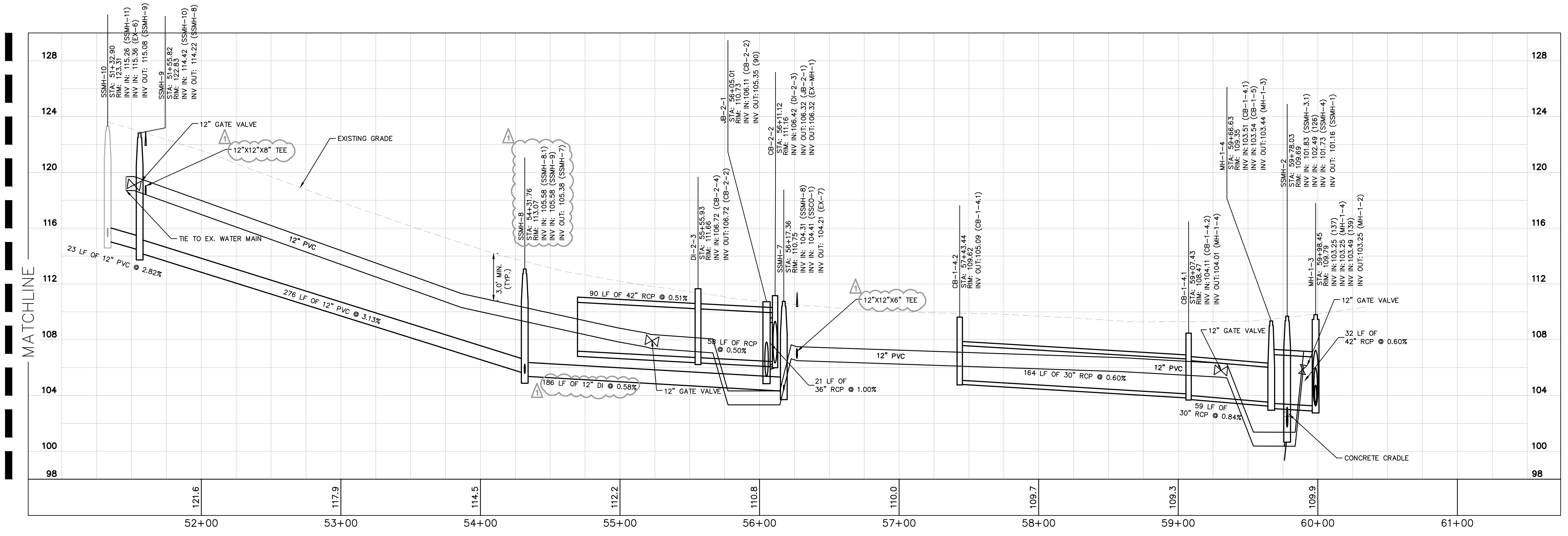
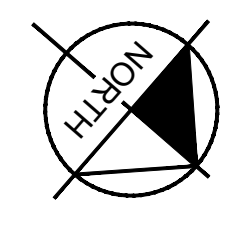
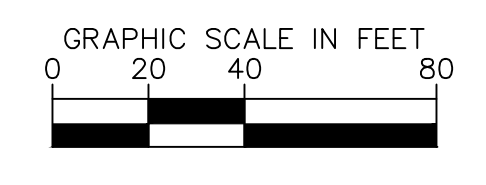
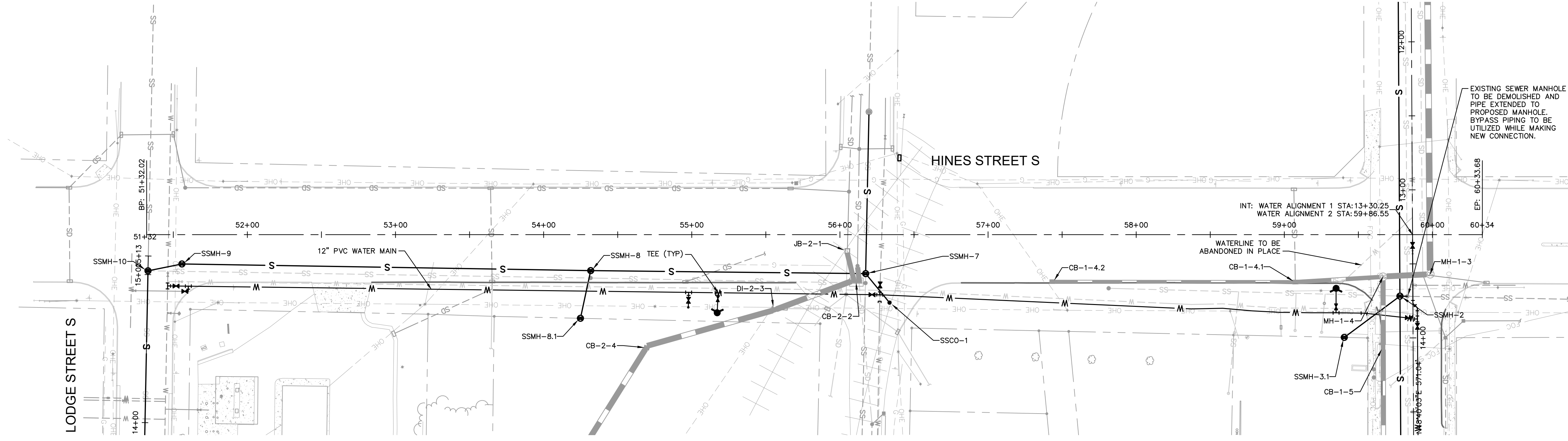
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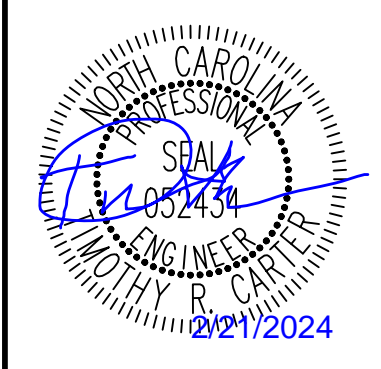
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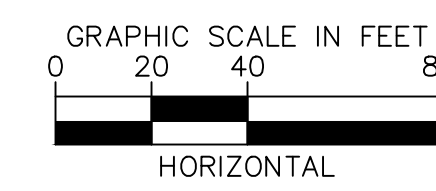
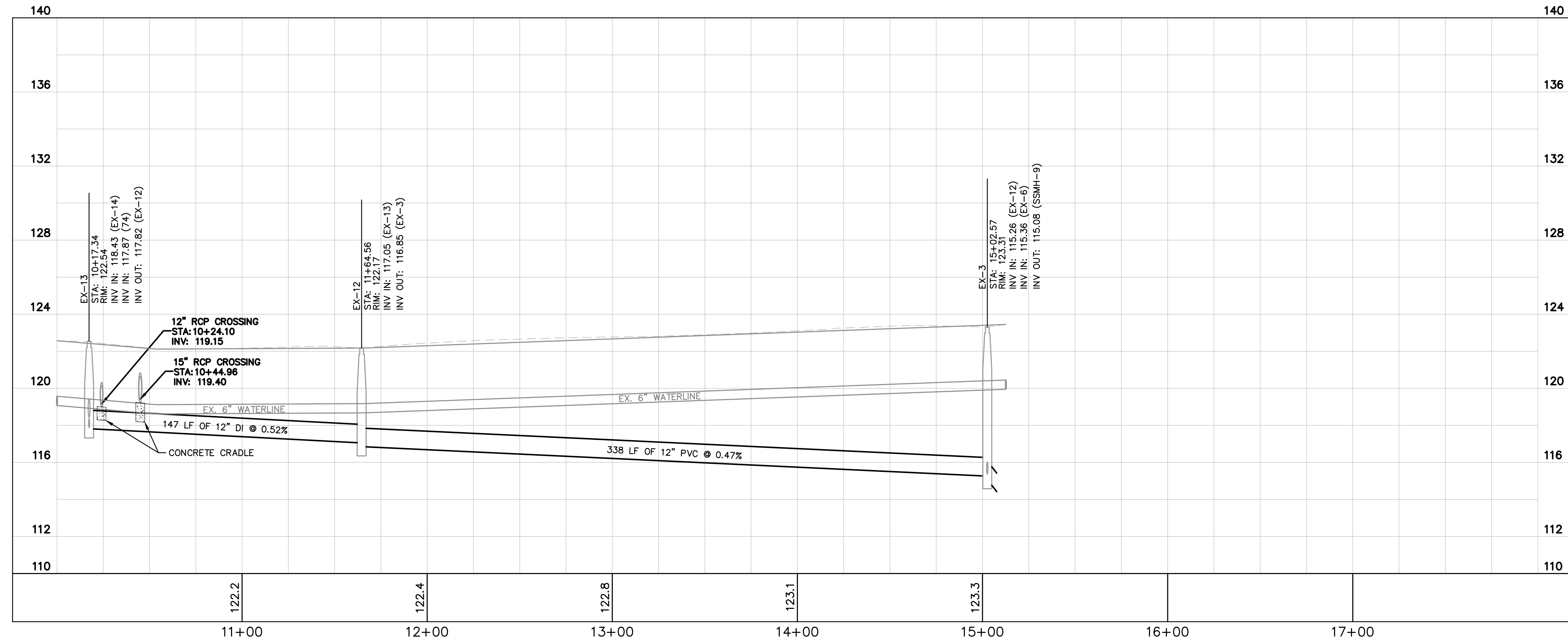
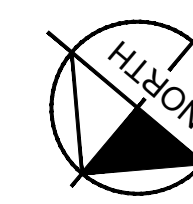
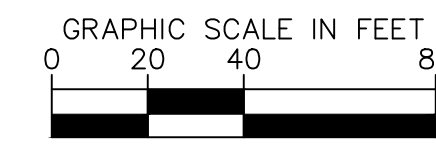
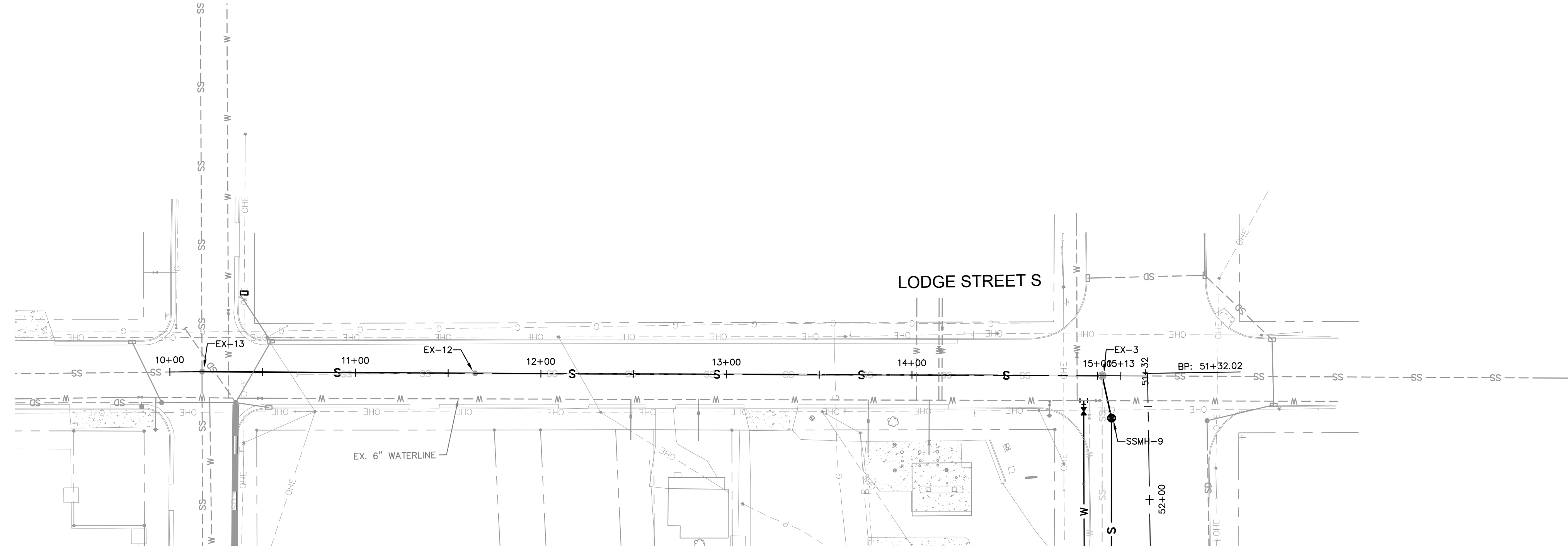
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UTILITY PROFILES

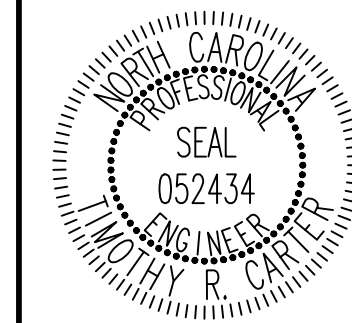
WILSON BALLPARK
 UTILITIES EXPANSION
 PREPARED FOR
CITY OF WILSON
 NORTH CAROLINA
 WILSON

SHEET NUMBER
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NORTH CAROLINA

WILSON

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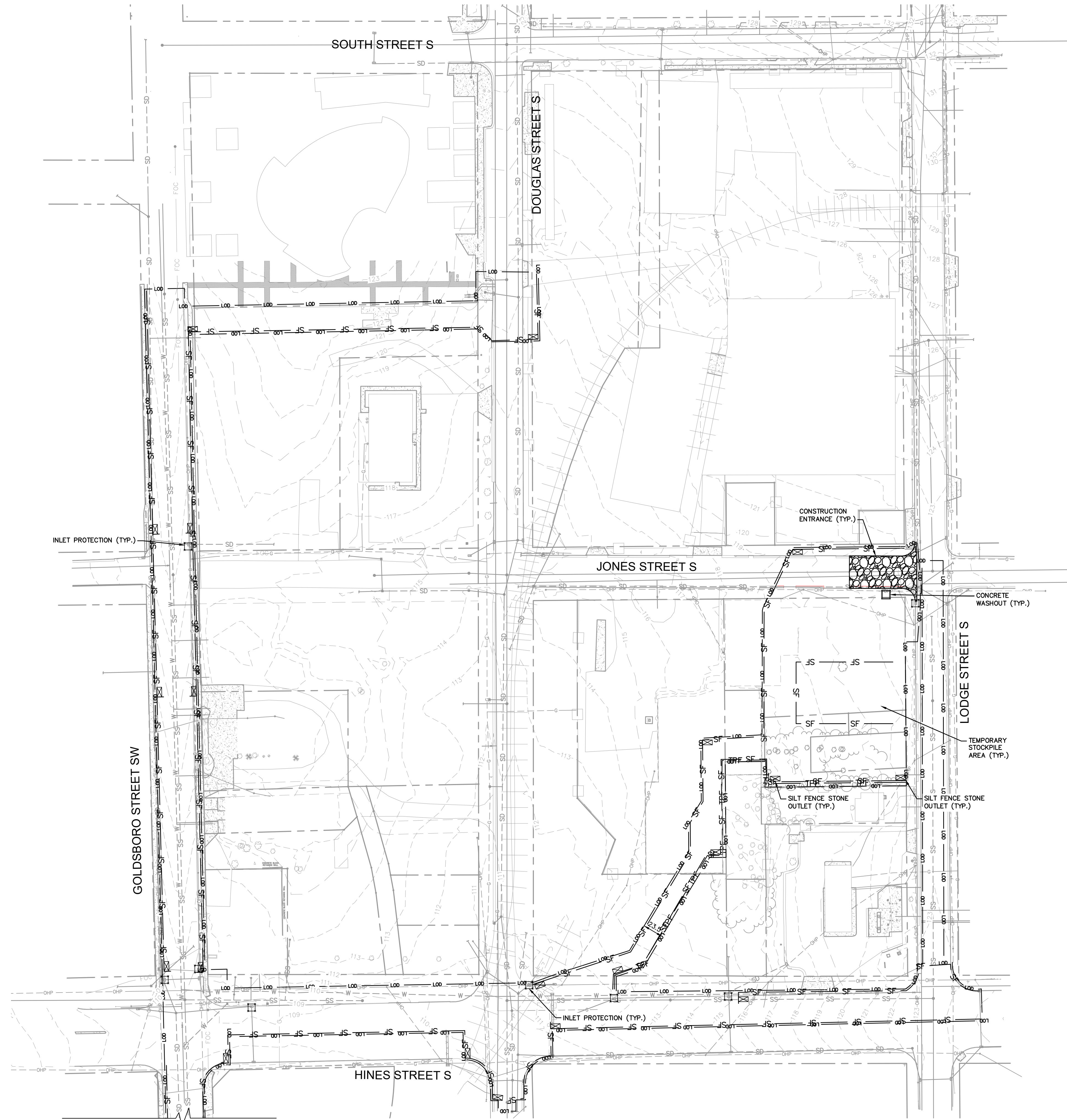
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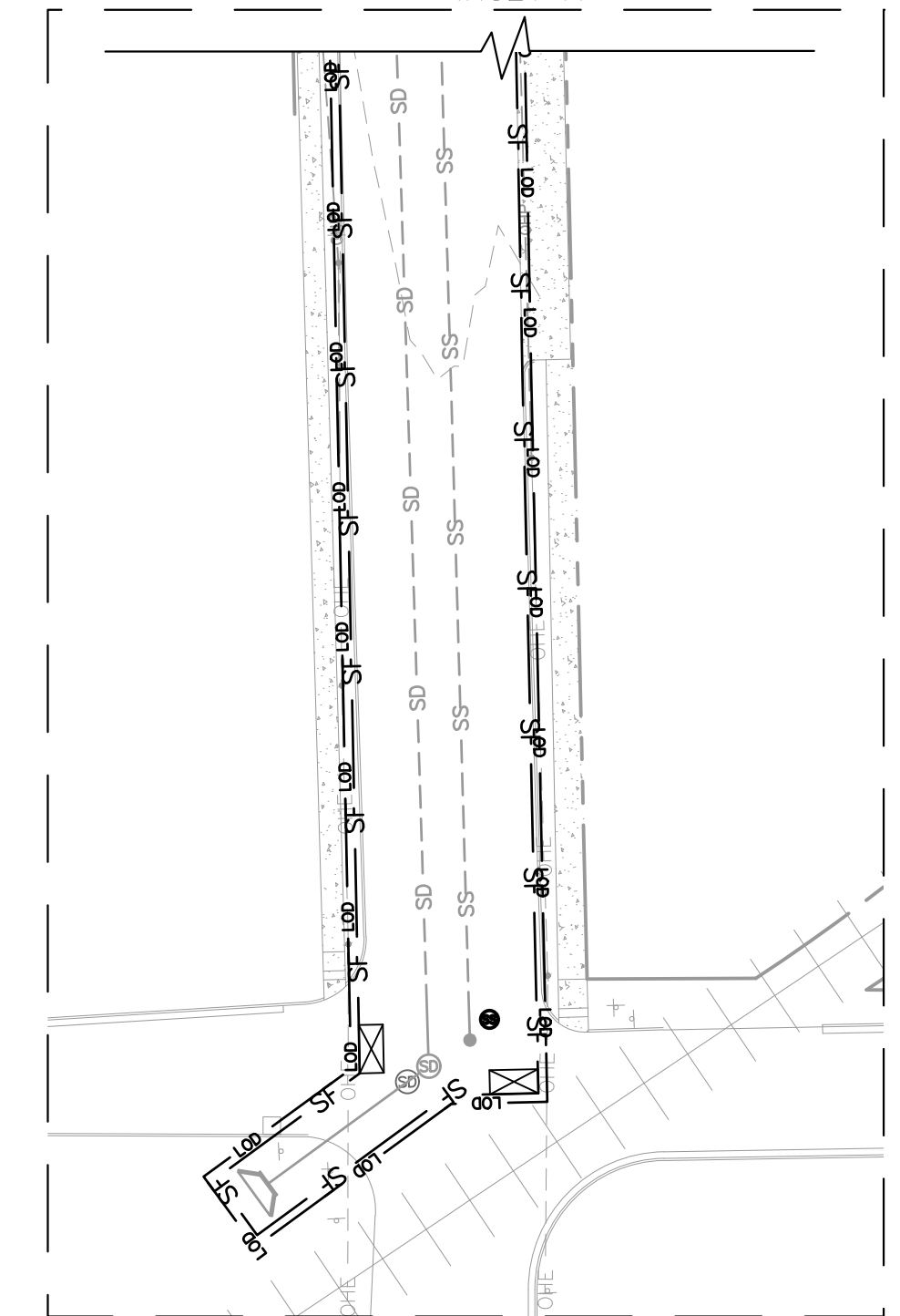
- PROPERTY LINE
- ADJACENT PROPERTY LINE
- EASEMENT/SETBACK
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING STORM DRAINAGE LINE
- SILT FENCE
- LIMITS OF DISTURBANCE
- INLET PROTECTION
- CONSTRUCTION ENTRANCE
- TREE PROTECTION FENCE
- CONCRETE WASHOUT AREA

NOTE:

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

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 NCDEMLR—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.



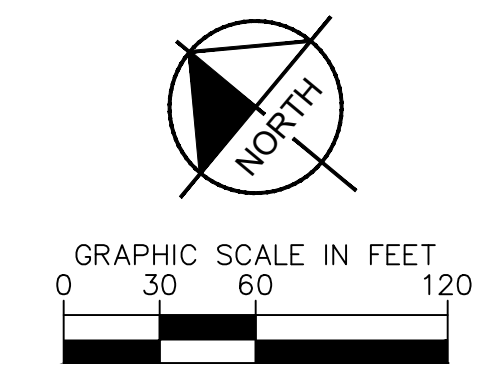
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LIMITS OF DISTURBANCE: 4.38 AC

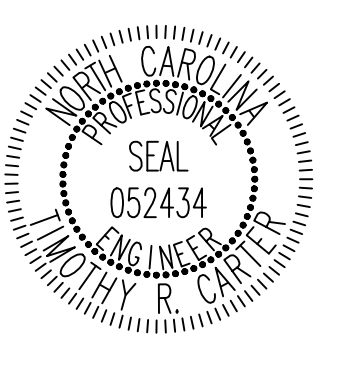


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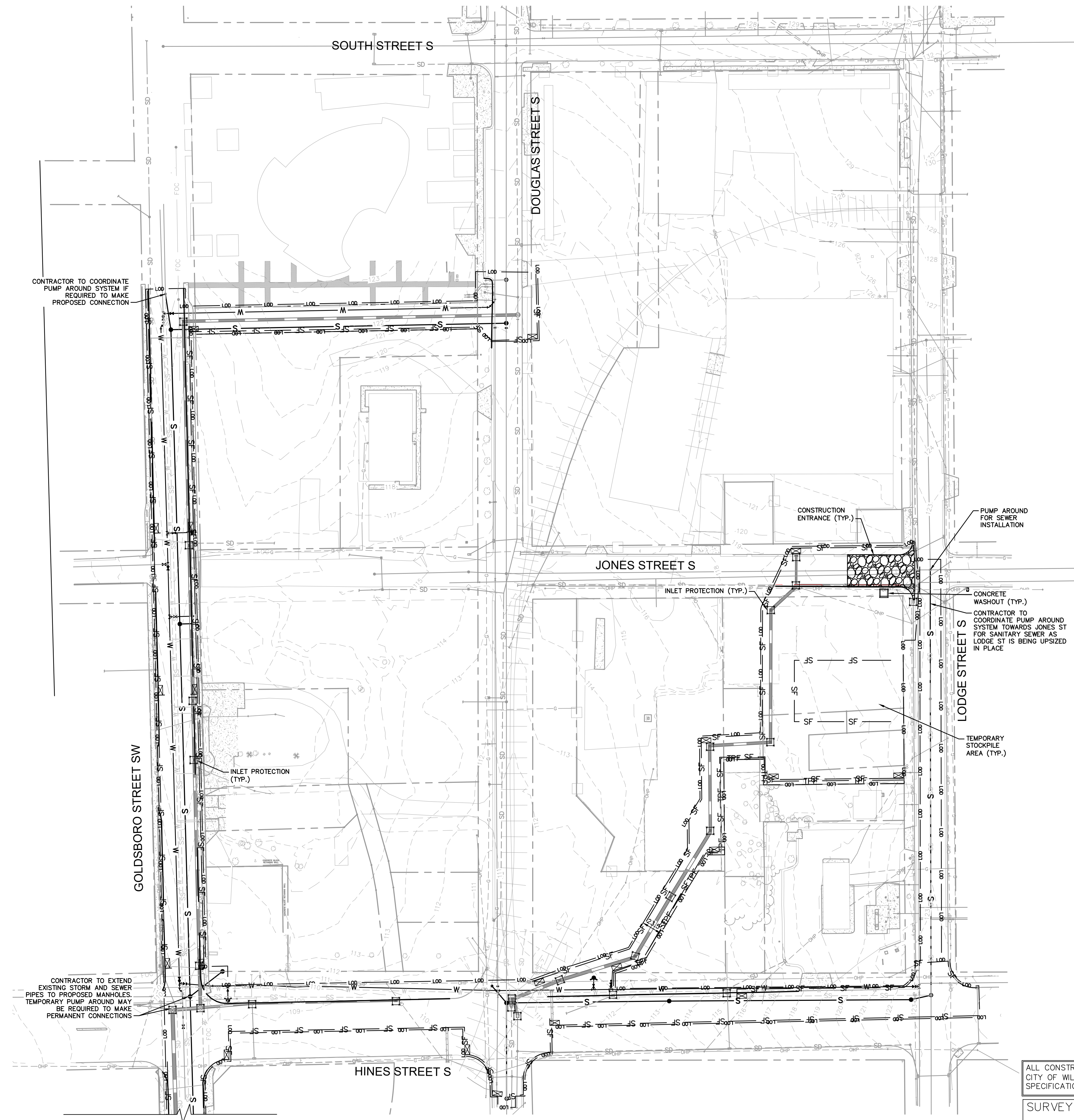
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DATE	01/26/2024
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EROSION AND SEDIMENTATION CONTROL PLAN - PHASE 1

WILSON BALLPARK UTILITIES EXPANSION PREPARED FOR CITY OF WILSON
 NORTH CAROLINA

WILSON
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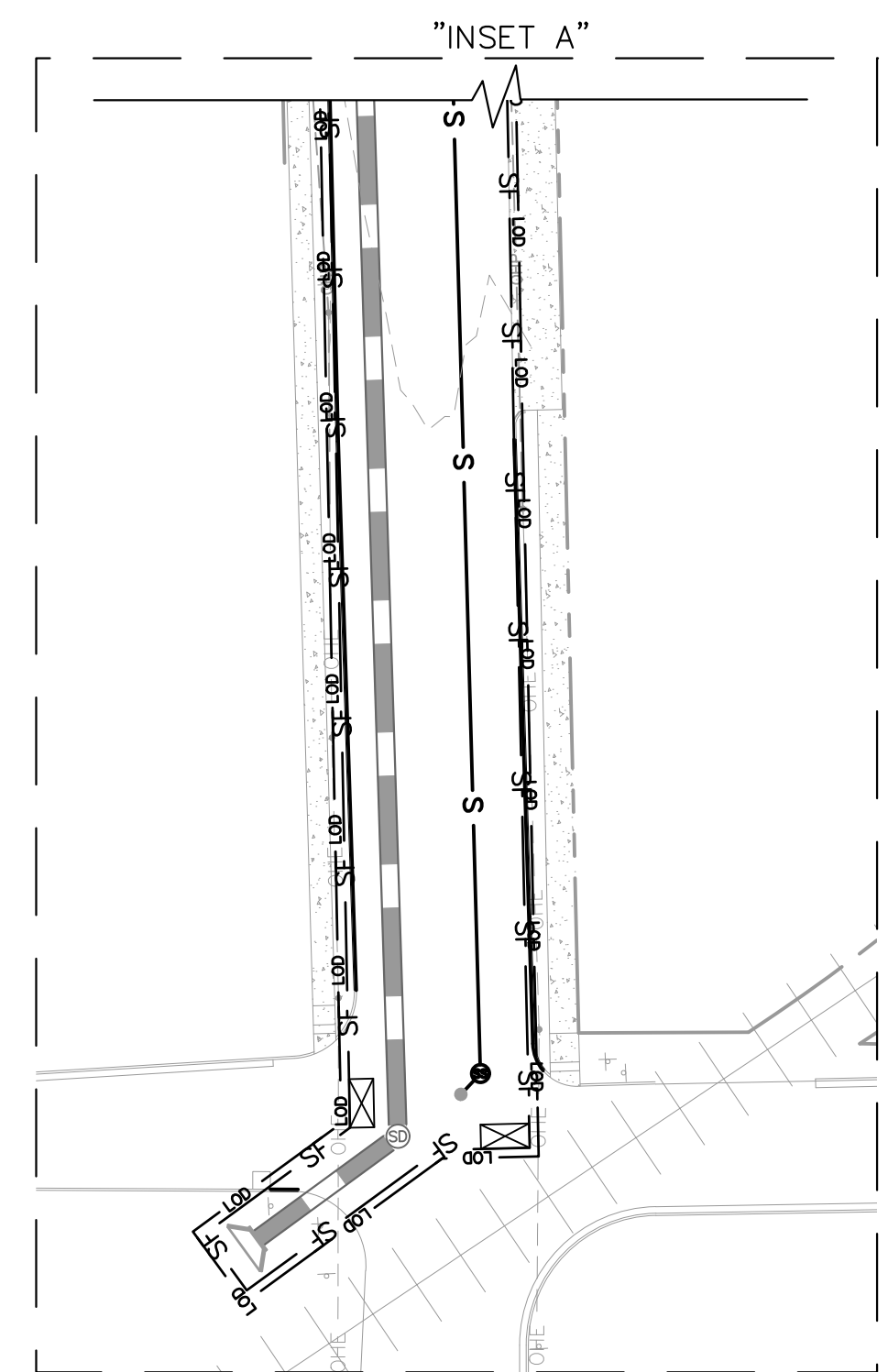
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LIMITS OF DISTURBANCE: 4.38 AC

LEGEND	
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	ADJACENT PROPERTY LINE
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	PROPOSED STORM DRAINAGE LINE
	SILT FENCE
	LIMITS OF DISTURBANCE
	INLET PROTECTION
	CONSTRUCTION ENTRANCE
	TREE PROTECTION FENCE
	CONCRETE WASHOUT AREA

NOTE:
 CONTRACTOR TO INSTALL INLET PROTECTION AROUND ALL EXISTING INLETS WITHIN LOD.
 CONTRACTOR TO RETURN SITE TO ORIGINAL EXISTING GRADES FOLLOWING CONSTRUCTION.
 LOD AREA: 5.14 ACRES

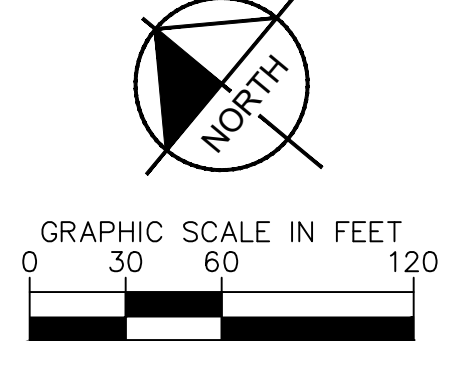
- PHASE 2 CONSTRUCTION SEQUENCE**
- BEGIN CONSTRUCTION OF STORM OUTFALL PIPES AND STRUCTURES.
 - AS GRADING OPERATIONS PROGRESS, ADJUST CONTROL MEASURES AS NEEDED TO MAINTAIN POSITIVE FLOW AT ALL TIMES INTO EROSION AND SEDIMENT CONTROL DEVICES. OUTLET DISPATERS AND INLET PROTECTION SHALL BE INSTALLED 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.
 - ANY STOCKPILE MUST BE STABILIZED IF INACTIVE FOR MORE THAN SEVEN (7) CALENDAR DAYS.
 - 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.
 - 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 NCDEMRL-EROSION CONTROL INSPECTOR SO THAT PERIODIC INSPECTIONS CAN BE PERFORMED AT APPROPRIATE STAGES OF CONSTRUCTION.
 - STABILIZE SITE AS AREAS ARE BROUGHT UP TO FINISH GRADE WITH VEGETATION, PAVING, DITCH LININGS, ETC. SEED AND MULCH DENUDE 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.
 - COORDINATE WITH NCDEMRL-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 NCDEMRL-LAND QUALITY INSPECTOR FOR INSPECTION.
 - IF SITE IS APPROVED, REMOVE SILT FENCING AND INLET PROTECTION. SEED OUT OR STABILIZE ANY RESULTING BARE AREAS.
 - WHEN VEGETATION HAS BECOME ESTABLISHED, CALL FOR A FINAL SITE INSPECTION BY THE NCDEMRL-LAND QUALITY INSPECTOR. ADDITIONAL INFORMATION MAY BE REQUIRED BY LAND QUALITY ENGINEER BEFORE PLAN APPROVAL IS ISSUED.



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

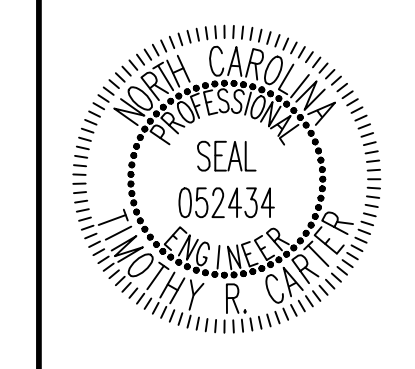
SURVEY NOTE:

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.



NO.	REVISIONS	DATE	BY

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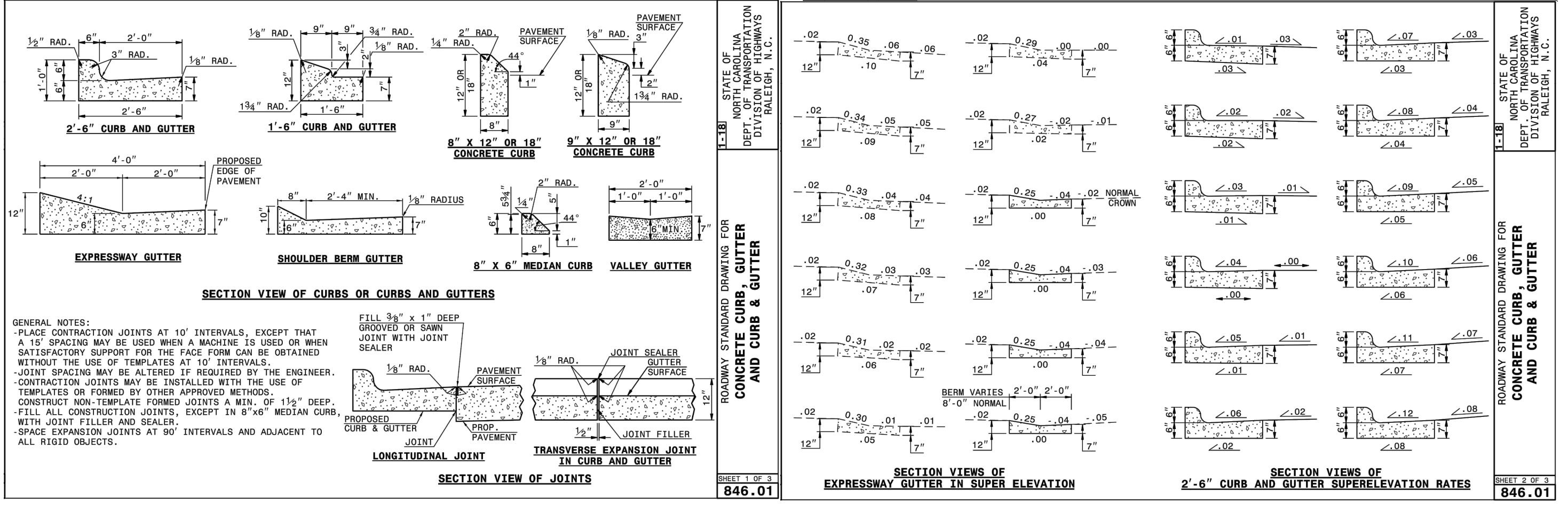
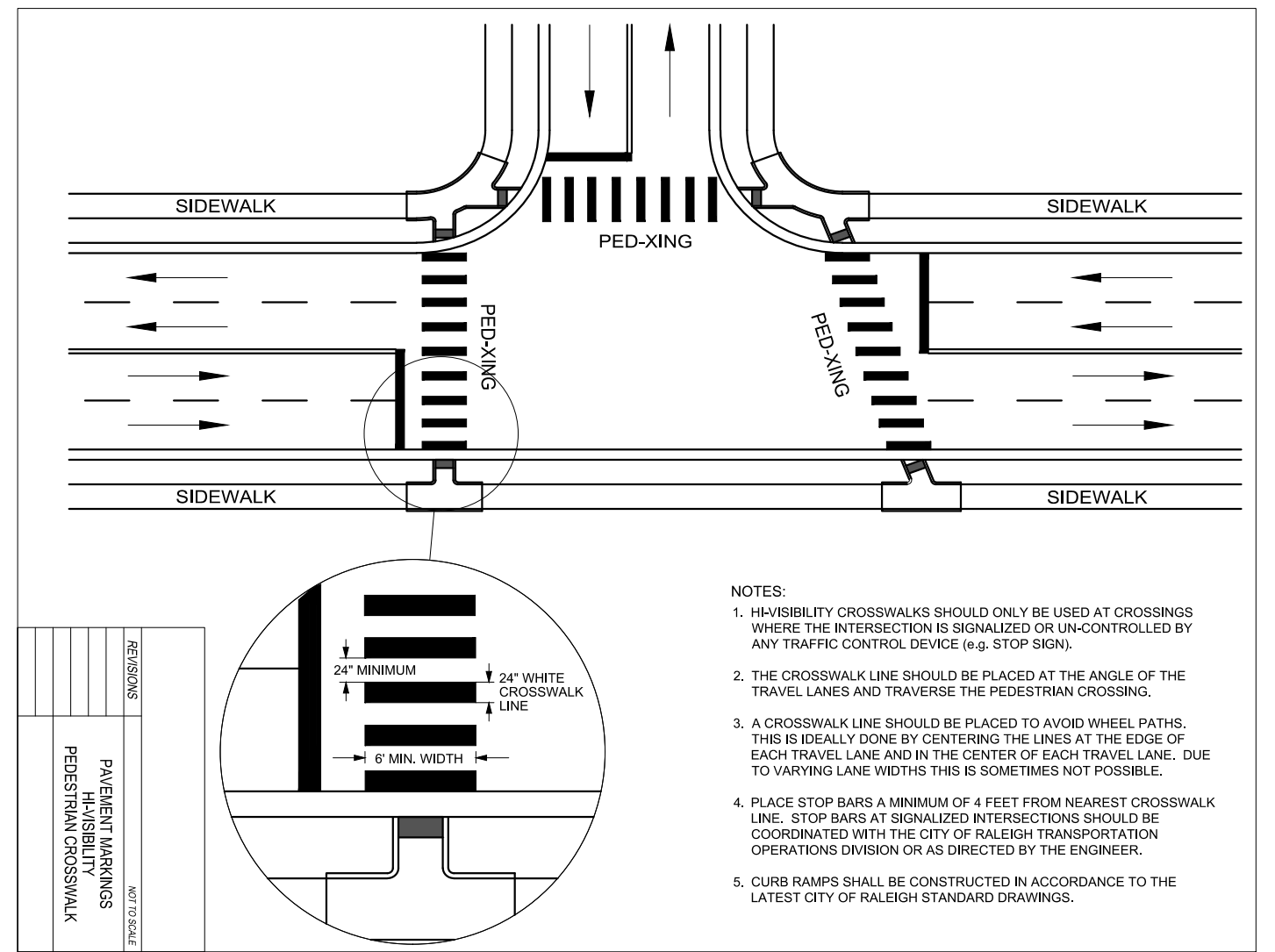
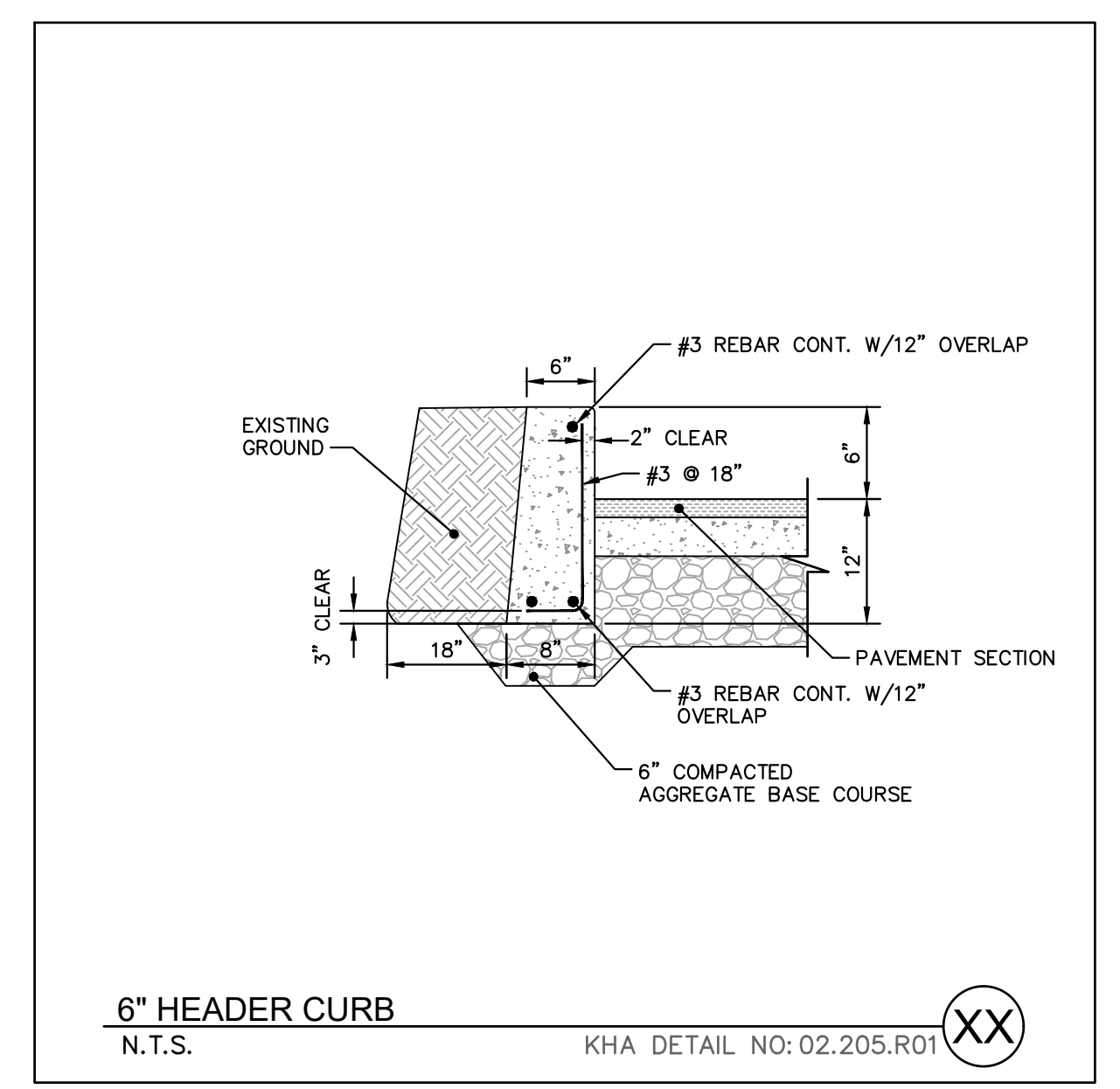
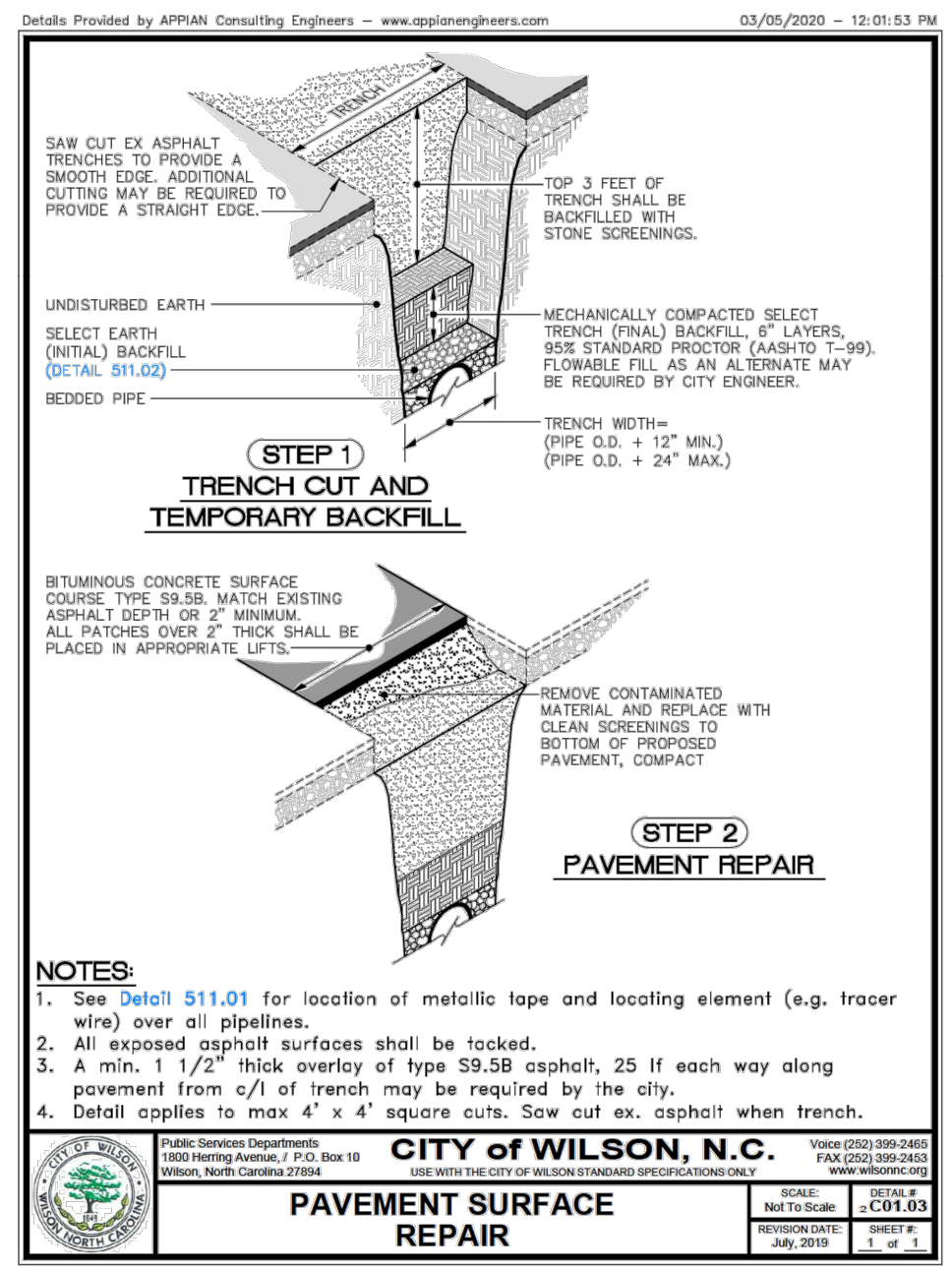


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EROSION AND SEDIMENTATION CONTROL PLAN - PHASE 2

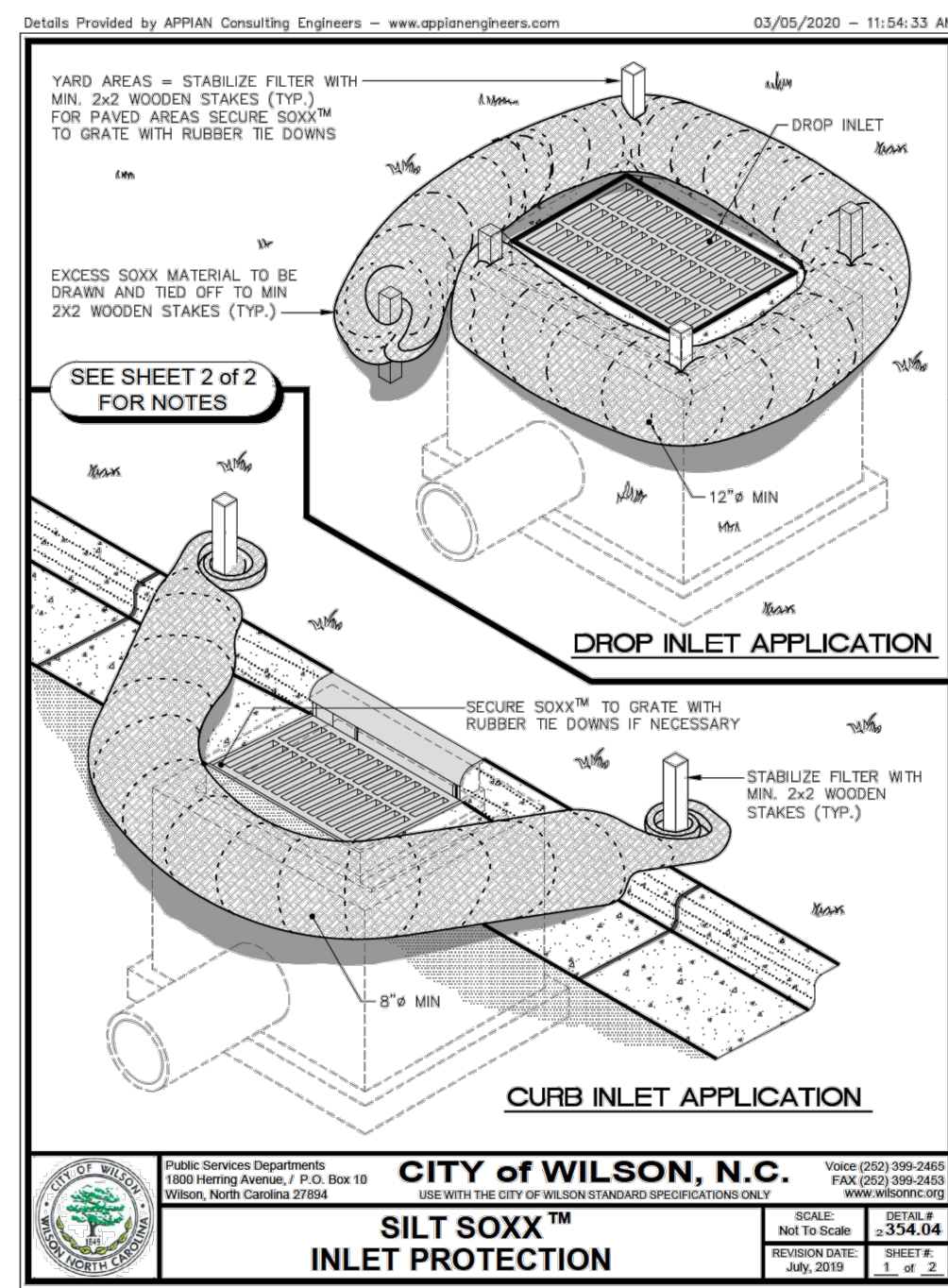
WILSON BALLPARK UTILITIES EXPANSION PREPARED FOR CITY OF WILSON
 NORTH CAROLINA
 SHEET NUMBER **C5.1**

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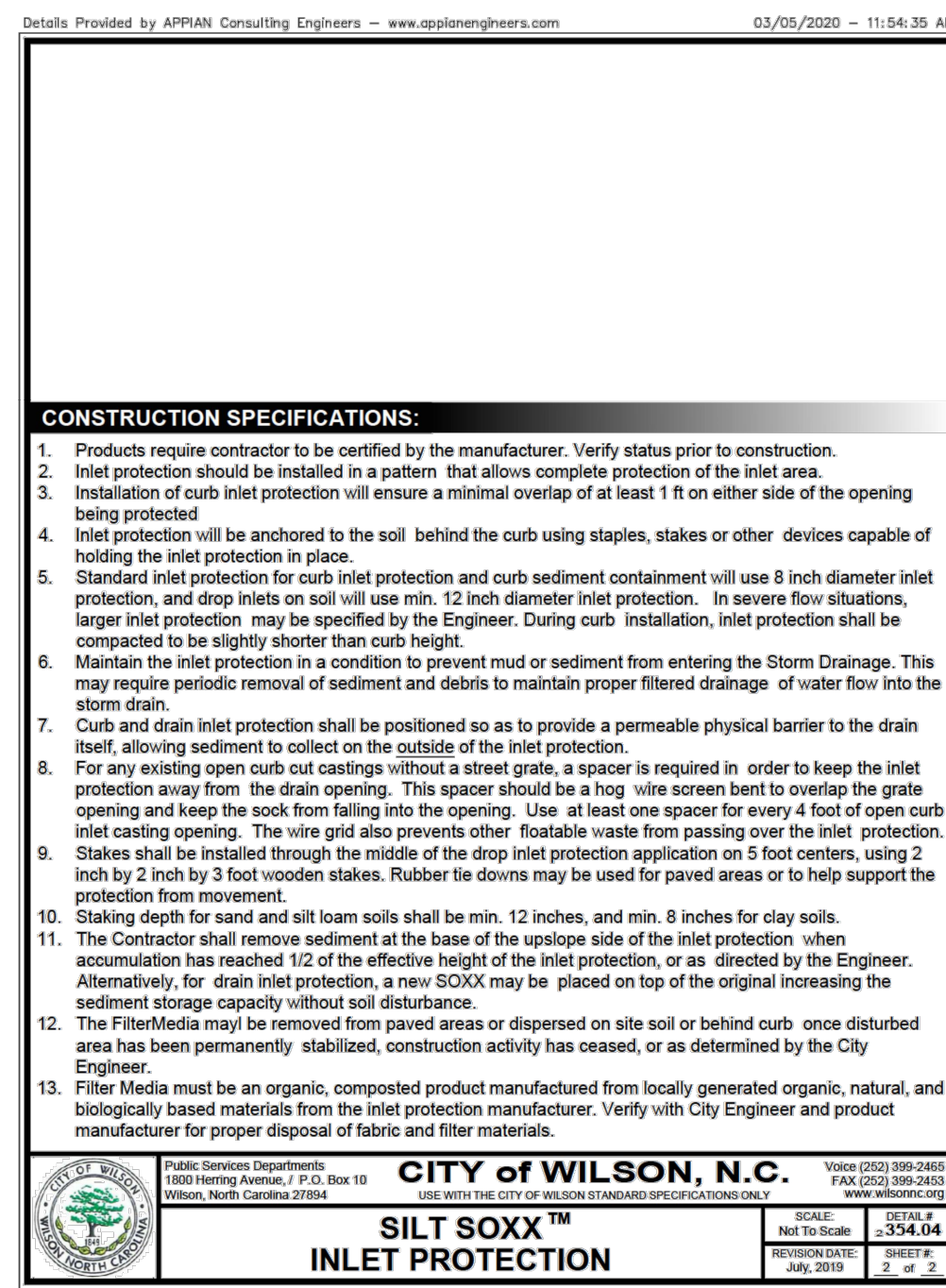


WILSON BALLPARK UTILITIES EXPANSION PREPARED FOR CITY OF WILSON		WILSON	
SHEET NUMBER C6.0		NORTH CAROLINA	
KHA PROJECT 268255002		DATE 01/26/2024	
SCALE AS SHOWN		DESIGNED BY: SRH	
DRAWN BY: SRH		CHECKED BY: TRC	
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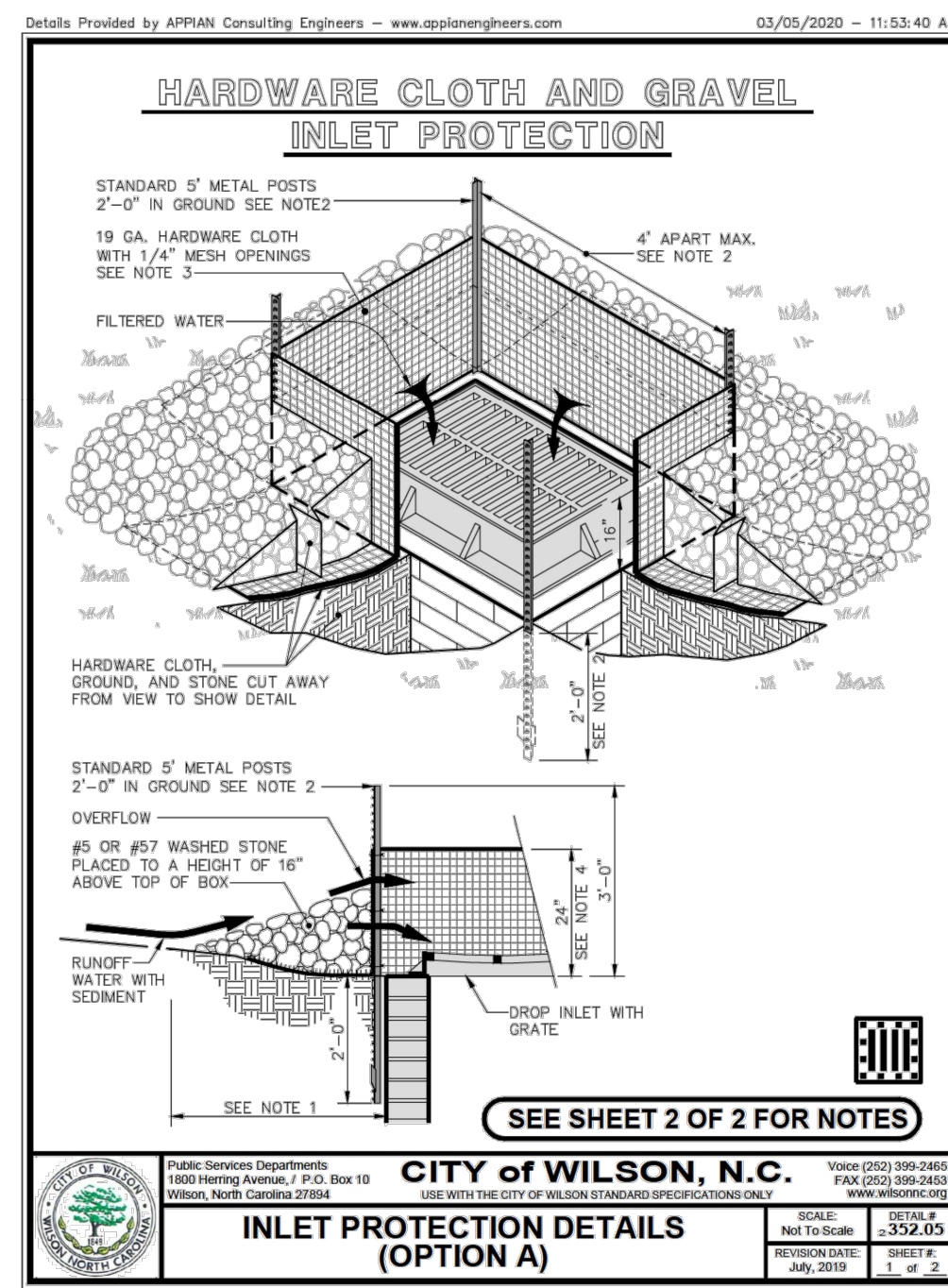
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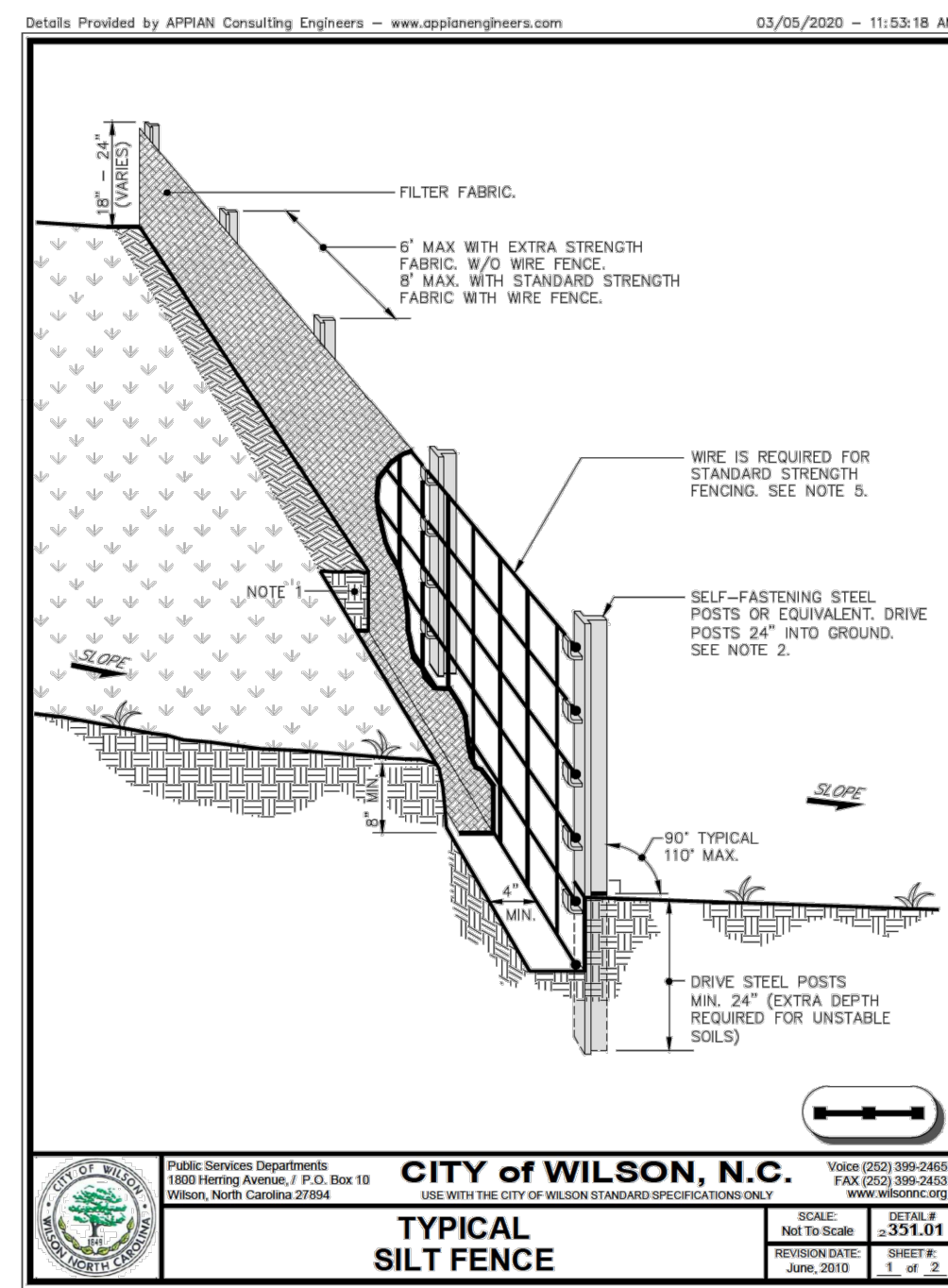
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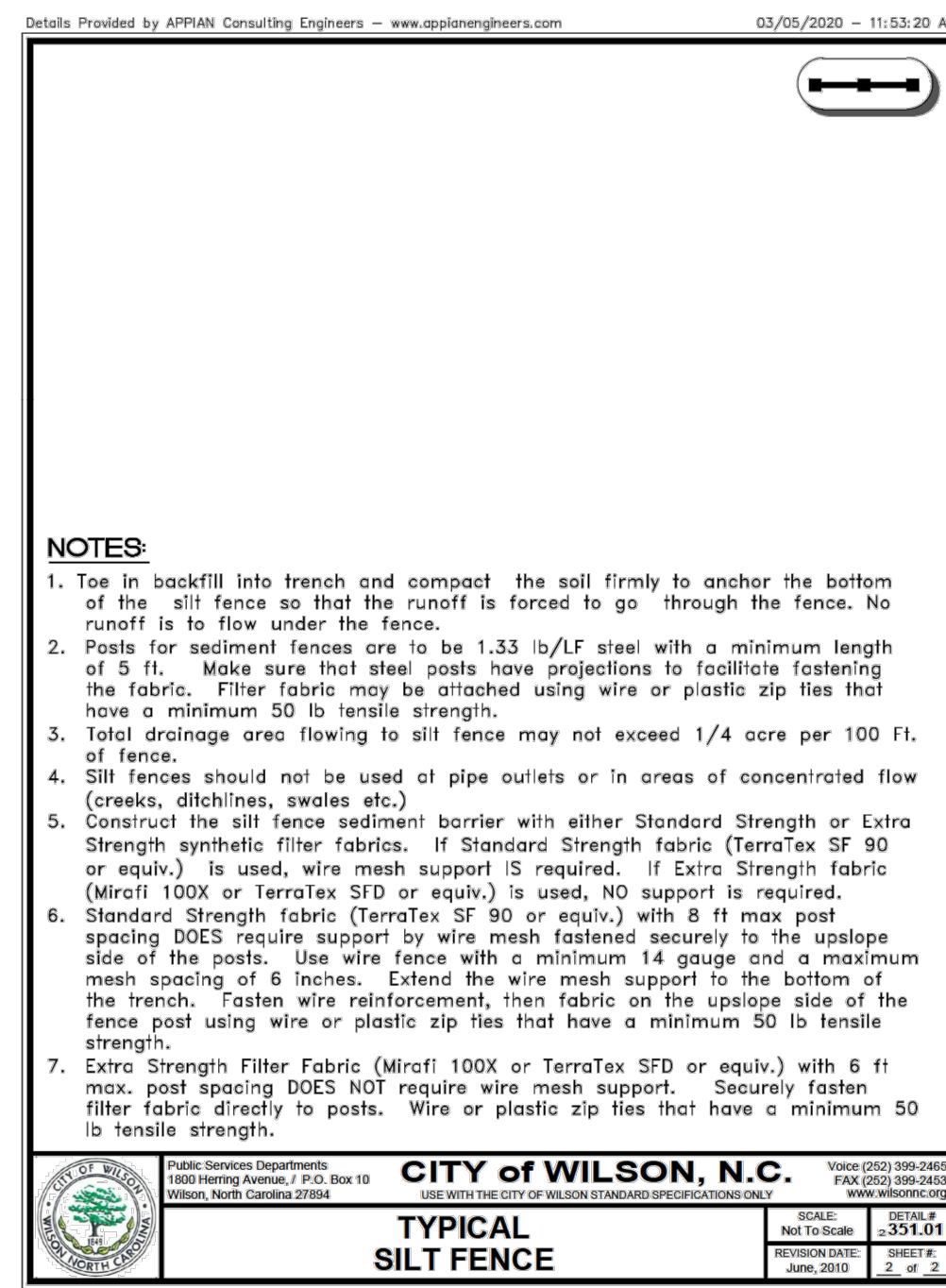
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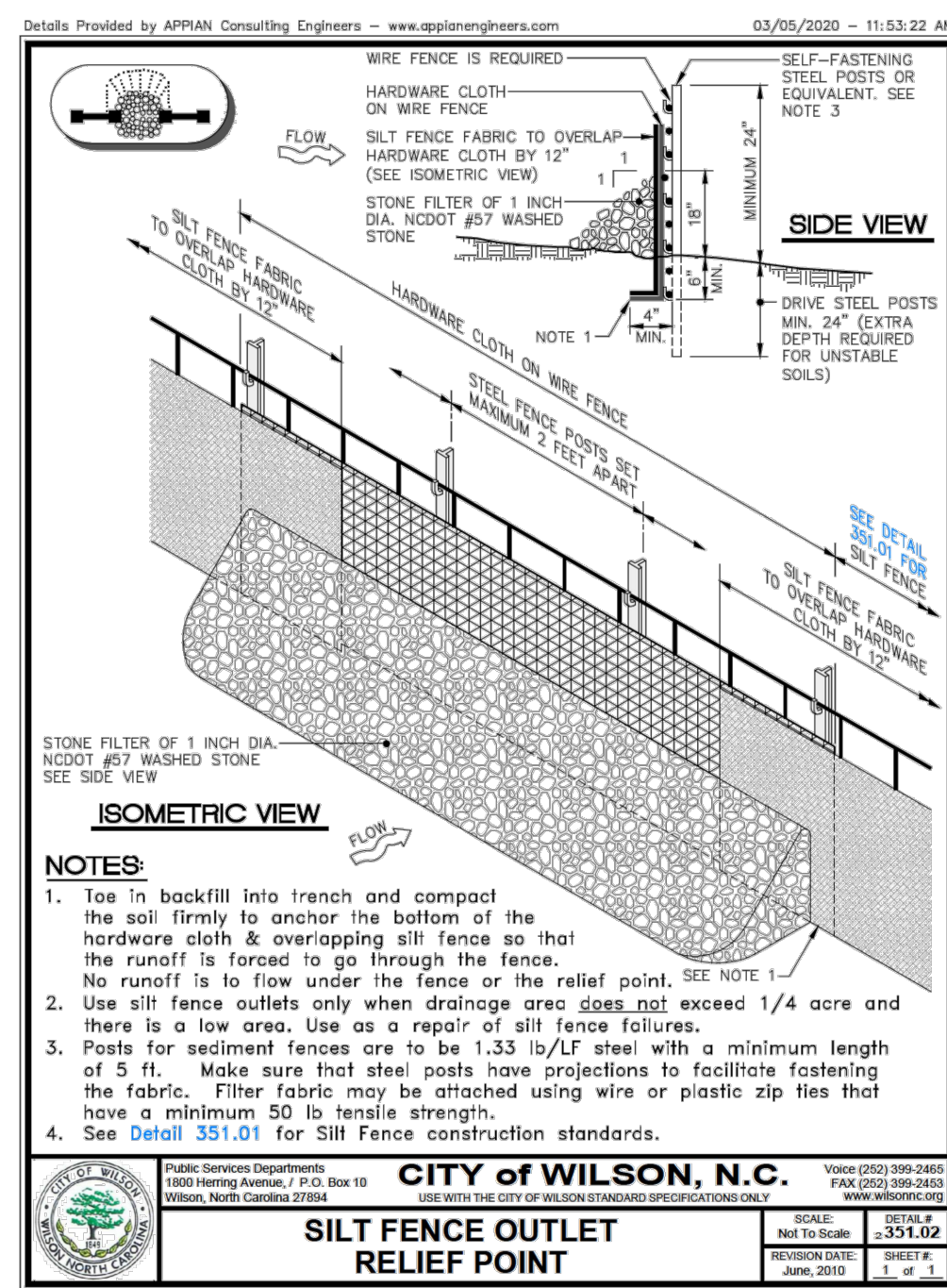
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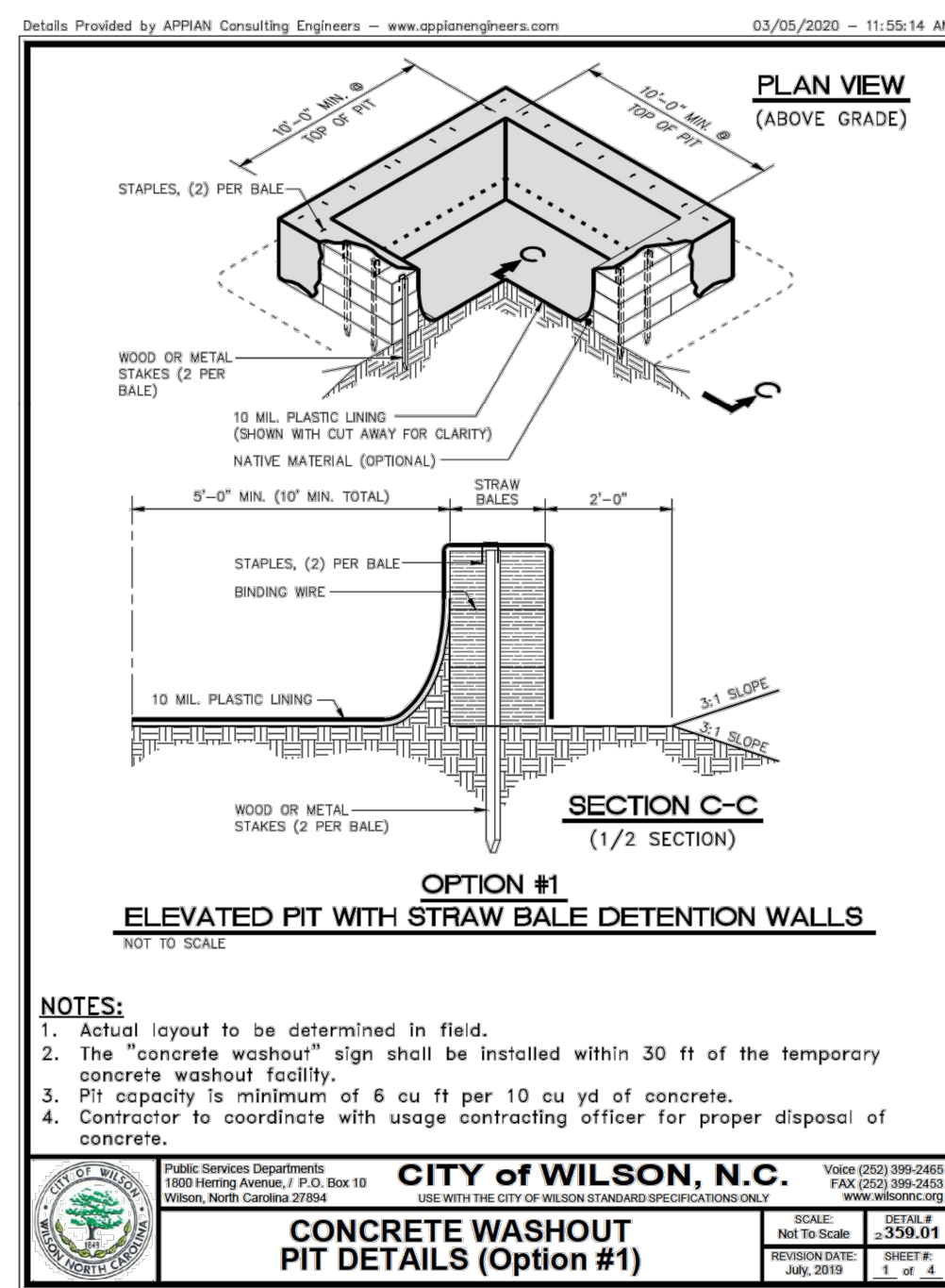
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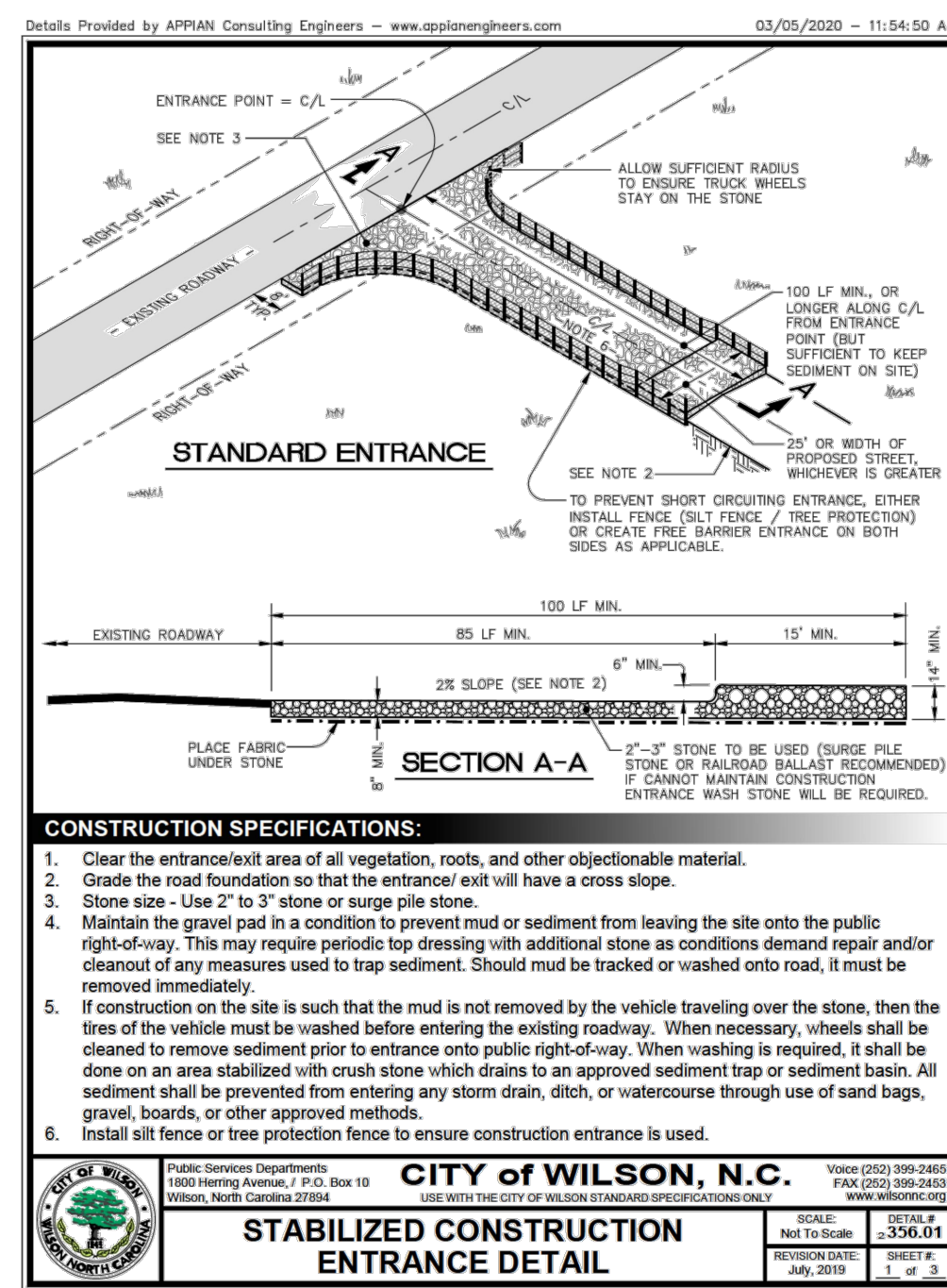
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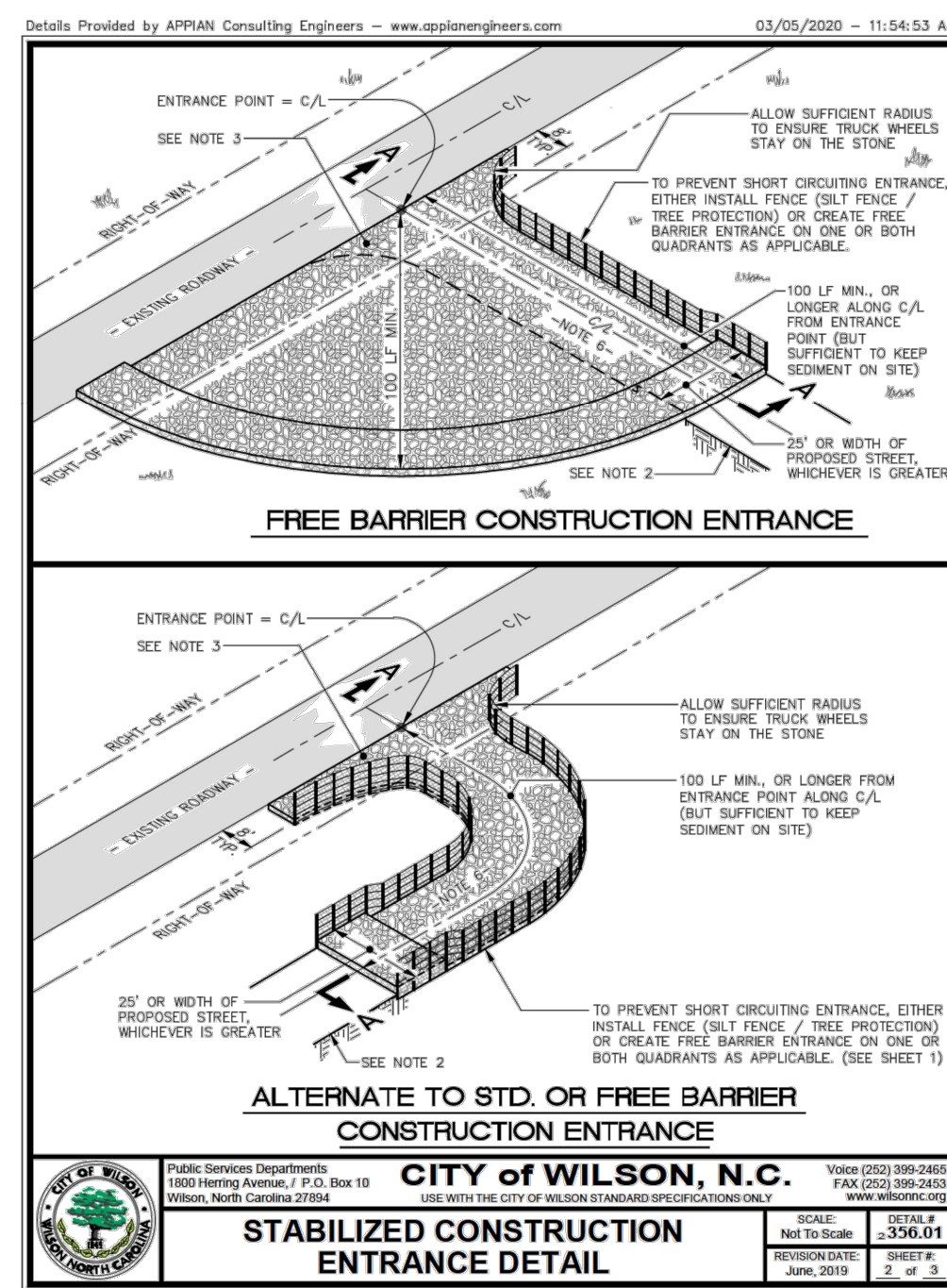
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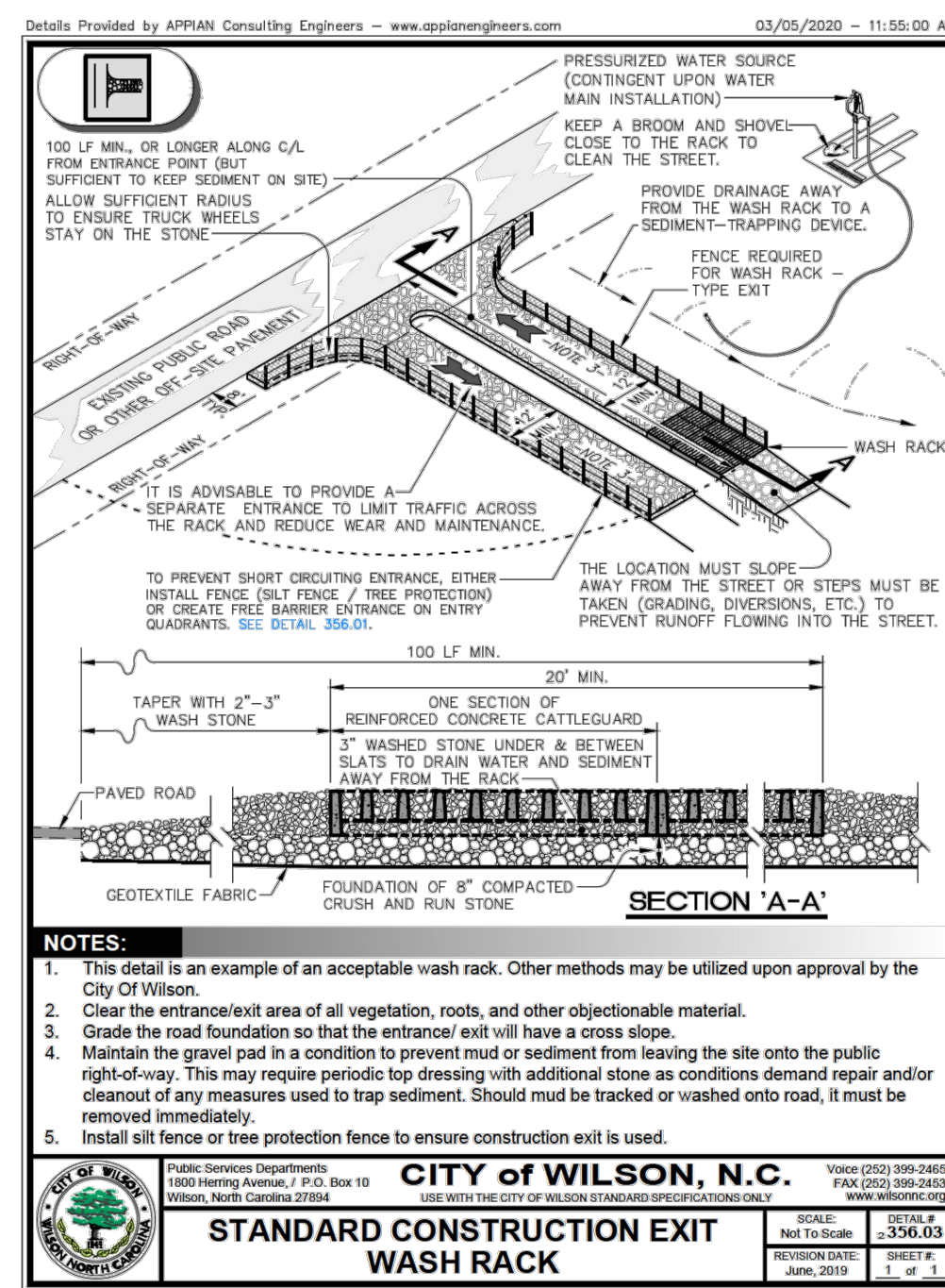
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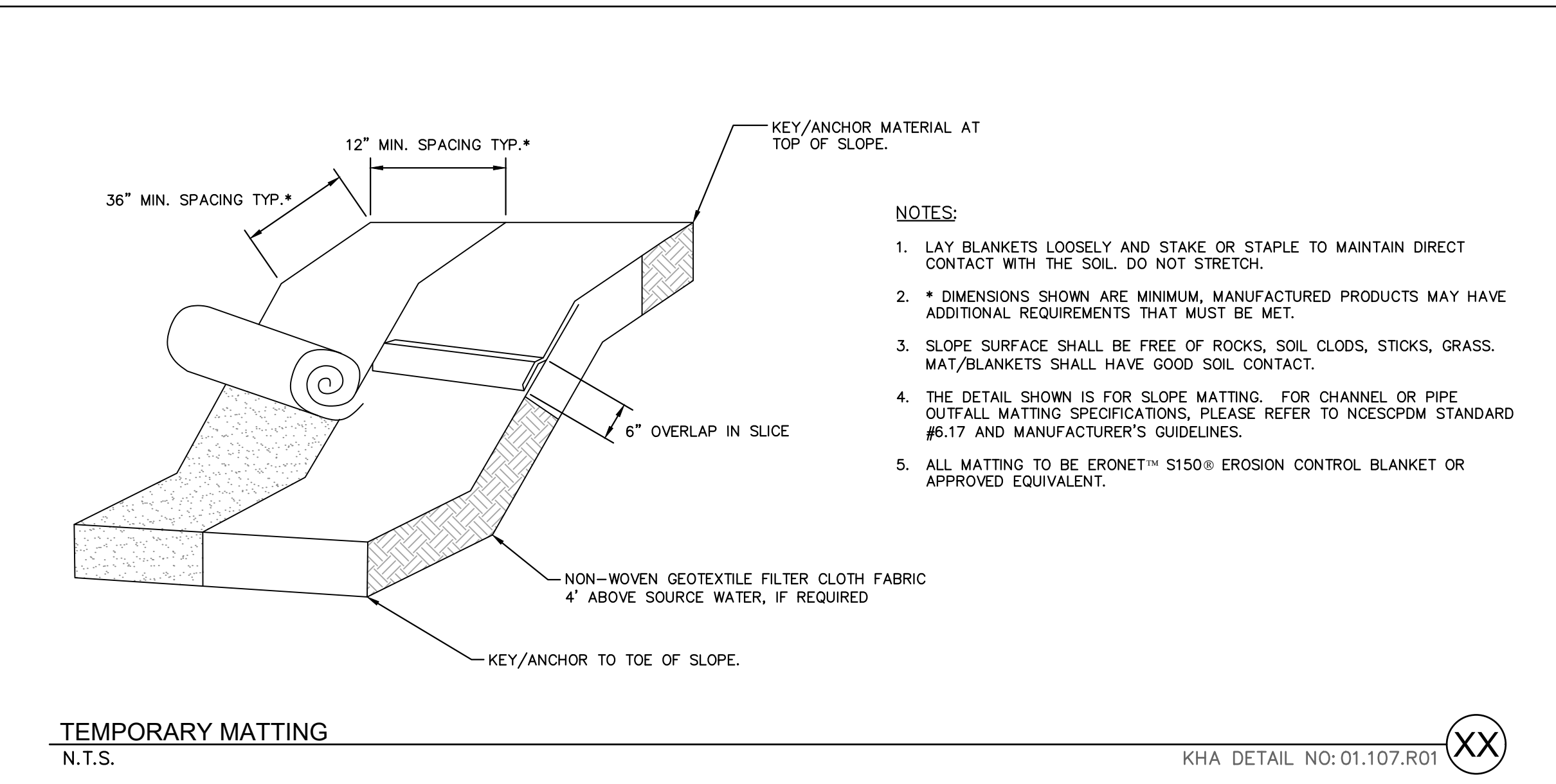
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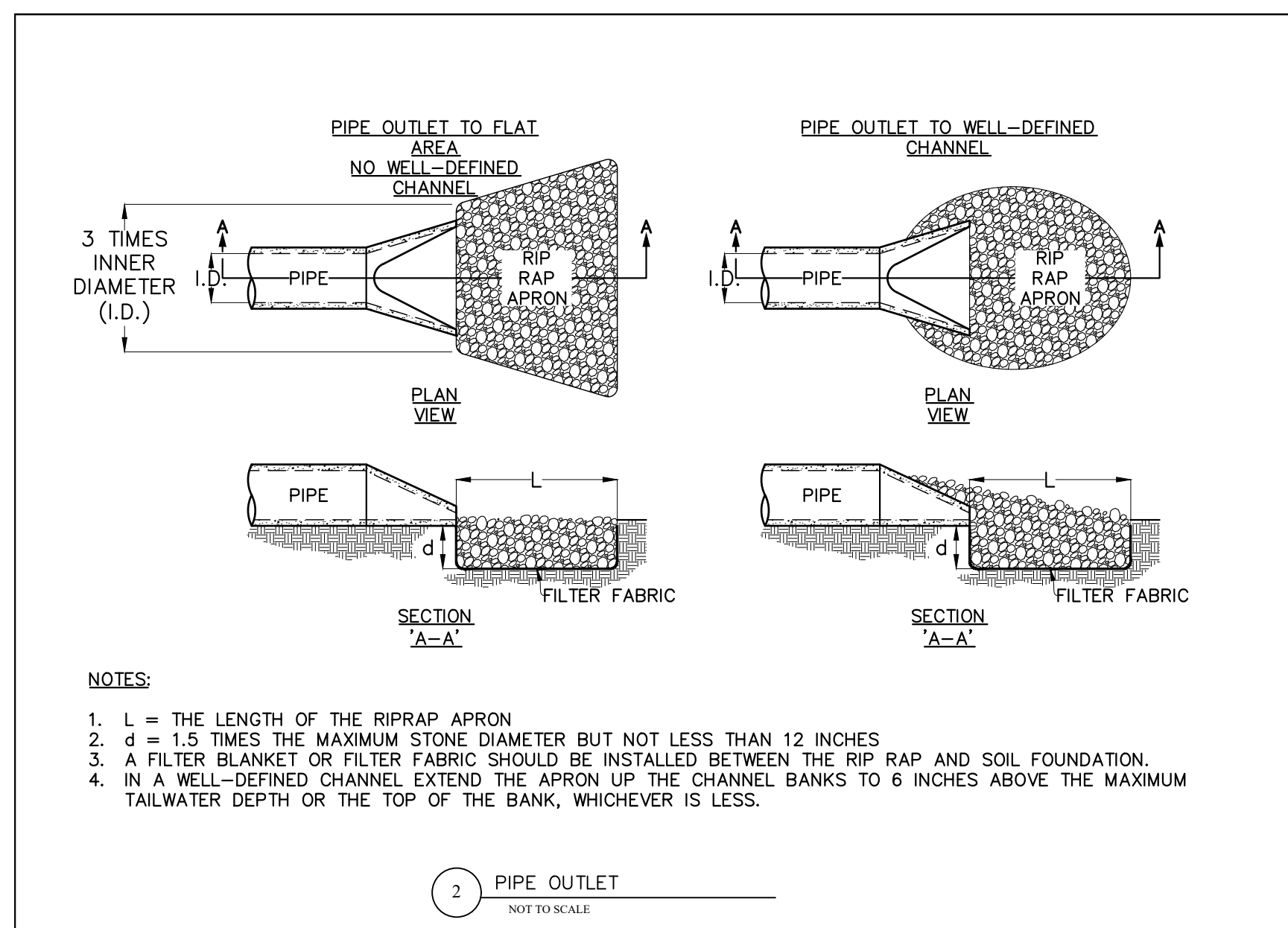


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WILSON BALLPARK UTILITIES EXPANSION PREPARED FOR CITY OF WILSON
EROSION AND SEDIMENTATION CONTROL DETAILS
 SHEET NUMBER **C9.0**
 WILSON NORTH CAROLINA
 KHA PROJECT 268255002
 DATE 01/26/2024
 SCALE AS SHOWN
 DESIGNED BY: SRH
 DRAWN BY: SRH
 CHECKED BY: TRC
 KIMLEY-HORN AND ASSOCIATES, INC.
 421 FAYETTEVILLE SUITE 600, RALEIGH, NC 27601
 PHONE: (919) 677-2000
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 REVISIONS: [Table with 3 columns: No., Description, Date]
 BY: [Table with 3 columns: Name, Date, Initials]



NOTES:

- L = THE LENGTH OF THE RIPRAP APRON
- d = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 12 INCHES
- A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIP RAP AND SOIL FOUNDATION.
- IN A WELL-DEFINED CHANNEL EXTEND THE APRON UP THE CHANNEL BANKS TO 6 INCHES ABOVE THE MAXIMUM TAILWATER DEPTH OR THE TOP OF THE BANK, WHICHEVER IS LESS.

2 PIPE OUTLET
NOT TO SCALE

GROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE NCG01 CONSTRUCTION GENERAL PERMIT

Implementing the details and specifications on this plan sheet will result in the construction activity being considered compliant with the Ground Stabilization and Materials Handling sections of the NCG01 Construction General Permit Sections E and F, respectively. The permittee shall comply with the Erosion and Sediment Control plan approved by the delegated authority having jurisdiction. All details and specifications shown on this sheet may not apply depending on site conditions and the delegated authority having jurisdiction.

SECTION E: GROUND STABILIZATION

Site Area Description	Required Ground Stabilization Timeframes	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	
(e) Areas with slopes flatter than 4:1	14	10 days for Falls Lake Watershed 10 days for Falls Lake Watershed unless there is zero slope	

Note: After the permanent cessation of construction activities, any areas with temporary 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.

GROUND STABILIZATION SPECIFICATION

Techniques in the table below:	Temporary Stabilization	Permanent Stabilization
<ul style="list-style-type: none"> Territory grass seed covered with straw or other mulches and tackifiers Hydroseeding Roll-on erosion control products with or without temporary grass seed Appropriately applied straw or other mulch Plastic sheeting 	<ul style="list-style-type: none"> Permanent grass seed covered with straw or other mulches and tackifiers Concrete fabric such as permanent soil reinforcement matting Hydroseeding Strawbales or other permanent plantings covered with mulch Strawbales and evenly distributed ground cover sufficient to restrain erosion Structural matting such as concrete, asphalt or retaining walls Roll-on 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.
- Apply 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 offsite.
- Store flocculants in leak-proof containers that are kept under storm-resistant cover or surrounded by secondary containment structures.

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 the project.
- 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 has been corrected.
- Bring used fuels, lubricants, coolants, hydraulic fluids and other petroleum products 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.
- Anchor all lightweight items in waste containers during times of high winds.
- Empty waste containers as needed to prevent overflow. Clean up immediately if containers overflow.
- 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

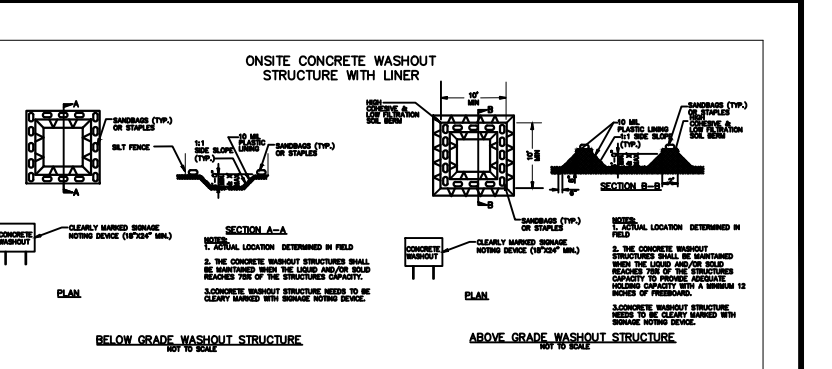
- Do not dump paint and other liquid waste into storm drains, streams or wetlands.
- Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Contain liquid wastes in a controlled area.
- Containment must be labeled, 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.

ERTHEN 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 available.
- 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.



CONCRETE WASHOUTS

- Do not discharge concrete or cement slurry from the site.
- 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 an alternate method or product is to be used, contact your approval authority for 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 discharged to the storm drain system or receiving surface waters. Liquid waste must 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 approving authority.
- 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 loadings from the washout when at approximately 75% capacity to limit overflow events. Replace the tarp, sand bags or other temporary structural components when no longer functional. When utilizing alternative or proprietary products, follow manufacturer's instructions.
- At the completion of the concrete work, remove remaining loadings and dispose in an approved disposal facility. Fill pit, if applicable, and stabilize any disturbance caused by removal of washout.

HERBICIDES, PESTICIDES AND RODENTICIDES

- Store and apply herbicides, pesticides and rodenticides in accordance with label restrictions.
- Store herbicides, pesticides and rodenticides in their original containers with the label, which lists directions for use, ingredients and first aid steps in case of 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 or surface water. If a spill occurs, clean area immediately.
- Do not stockpile these materials onsite.

HAZARDOUS AND TOXIC WASTE

- Create designated hazardous waste collection areas on-site.
- Place hazardous waste containers under cover or in secondary containment.
- Do not store hazardous chemicals, drums or bagged materials directly on the ground.

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION A: SELF-INSPECTION

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 personnel to be in jeopardy, the inspection may be delayed until the next business day on which it is safe to perform the inspection. In addition, when a storm event of equal 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 were delayed shall be noted in the inspection Record.

Inspect	Frequency (during normal business hours)	Inspection records must include:
(1) Rain gauge maintained in good working order	Daily	Daily rainfall amounts. If no daily rain gauge observations are made during weekend or holiday periods, and no individual rain fall information is available, record the cumulative rain measurement for those or storage days (and this will determine if a site inspection is needed). Days in which no rainfall occurred shall be recorded as "zero". The permittee may use another rain-measuring device approved by the Division.
(2) E&S Measures	At least once per 7 calendar days and within 24 hours of a rain event > 0.2 inch or 24 hours	1. Identification of the measures inspected. 2. Date and time of the inspection. 3. Name of the person performing the inspection. 4. Identification of whether the measures were operating properly. 5. Description of maintenance needs for the measures. 6. Date and time of the inspection. 7. Name of the person performing the inspection. 8. Date and time of the inspection. 9. Date and time of the inspection. 10. Date and time of the inspection. 11. Inclusion of visible sediment leaving the site.
(3) Stormwater discharge outfalls (DOQ)	At least once per 7 calendar days and within 24 hours of a rain event > 0.2 inch or 24 hours	1. Identification of the discharge outfalls inspected. 2. Date and time of the inspection. 3. Name of the person performing the inspection. 4. Date and time of the inspection. 5. Inclusion of visible sediment leaving the site.
(4) Perimeter of site	At least once per 7 calendar days and within 24 hours of a rain event > 0.2 inch or 24 hours	1. Visible sediment is found on site (see table below). 2. Actions taken to clean up or stabilize the sediment that has left the site. 3. Description, volume, and date of corrective actions taken, and 4. An explanation as to the actions taken to control future releases.
(5) Stormwater retention ponds or other off-site (before washout)	At least once per 7 calendar days and within 24 hours of a rain event > 0.2 inch or 24 hours	1. The stream or wetland has increased visible sedimentation on a stream or wetland visible immediately from the construction activity, then a record of the following shall be made: 2. Description, volume and date of corrective actions taken, and 3. Record of the recorder reports to the appropriate Division Regional Office per Part III, Section C, Item (2)(5) of this permit of this permit.
(6) Ground stabilization measures	After each phase of grading	1. The phase of grading (installation of perimeter E&S measures, clearing and grubbing, installation of storm storage facilities, construction of all bare clearing activity, construction of subsurface, permanent ground cover). 2. Documentation of the required ground stabilization measures have been provided with the required information or assurance that they will be provided as soon as possible.

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

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION B: RECORDKEEPING

The approved E&S plan as well as any approved deviation shall be kept on the site. The approved E&S plan must be kept up-to-date throughout the coverage under this permit. The following items pertaining to the E&S plan shall be documented in the manner described:

Item to Document	Documentation Requirements
(a) Each E&S Measure has been installed and does not significantly deviate from the location, dimensions and relative elevations shown on the approved E&S Plan.	Initial and date each E&S Measure on a copy of the approved E&S Plan or complete, date and sign an inspection report that lists each E&S Measure shown on the approved E&S Plan. This documentation is required upon the initial installation of E&S Measures or if the E&S Measures are modified after initial installation.
(b) A phase of grading has been completed.	Initial and date a copy of the approved E&S Plan or complete, date and sign an inspection report to indicate completion of the construction phase.
(c) Ground cover is located and installed in accordance with the approved E&S Plan.	Initial and date a copy of the approved E&S Plan or complete, date and sign an inspection report to indicate compliance with approved ground cover specifications.
(d) The maintenance and repair requirements for all E&S Measures have been performed.	Complete, date and sign an inspection report.
(e) Corrective actions have been taken to E&S Measures.	Initial and date a copy of the approved E&S Plan or complete, date and sign an inspection report to indicate the completion of the corrective action.

2. Additional Documentation

In addition to the E&S Plan documents above, the following items shall be kept on the site 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 requirement not practical:

- This general permit as well as the certificate of coverage, after it is received.
- 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 upon request. (40 CFR 122.41)

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION C: REPORTING

Occurrences that must be reported

- Permittees shall report the following occurrences:
 - Visible sediment deposition in a stream or wetland.
 - 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).
- Anticipated bypasses and unanticipated bypasses.
- Noncompliance with the conditions of this permit that may endanger health or the environment.

2. 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.

Occurrence	Reporting Timeframes (After Discovery) and Other Requirements
(a) Visible sediment deposition in a stream or wetland	<ul style="list-style-type: none"> Within 24 hours, an oral or electronic notification. Within 7 calendar days, a report that contains a description of the 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 NC 303(b) list as impaired for sediment-related causes, the permittee may be required to perform additional monitoring, inspection or apply more stringent practices if staff determine that additional requirements are needed to assure compliance with the federal or state impaired waters conditions.
(b) Oil spills and releases of hazardous substances per item 1203(d) above	<ul style="list-style-type: none"> Within 24 hours, an oral or electronic notification. The notification shall include information about the date, time, nature, volume and location of the spill or release. Within 24 hours, an oral or electronic notification. The report that includes an evaluation of the anticipated quality and effect of the bypass. Within 24 hours, an oral or electronic notification. Within 7 calendar days, a report that includes an evaluation of the quality and effect of the bypass. Within 24 hours, an oral or electronic notification. Within 7 calendar days, a report that contains a description of the noncompliance, and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time noncompliance is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. (40 CFR 122.41)(9)(c). Division staff may waive the requirement for a written report on a case-by-case basis.

NCG01 GROUND STABILIZATION AND MATERIALS HANDLING N.T.S.

NCG01 GROUND STABILIZATION AND MATERIALS HANDLING EFFECTIVE: 04/01/19

KHA DETAIL NO: 01.901.R01



NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING N.T.S.

NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING EFFECTIVE: 04/01/19

KHA DETAIL NO: 01.902.R01



WILSON BALLPARK UTILITIES EXPANSION PREPARED FOR CITY OF WILSON NORTH CAROLINA

SHEET NUMBER C9.1

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EROSION AND SEDIMENTATION CONTROL DETAILS

WILSON

REVISIONS

DATE

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