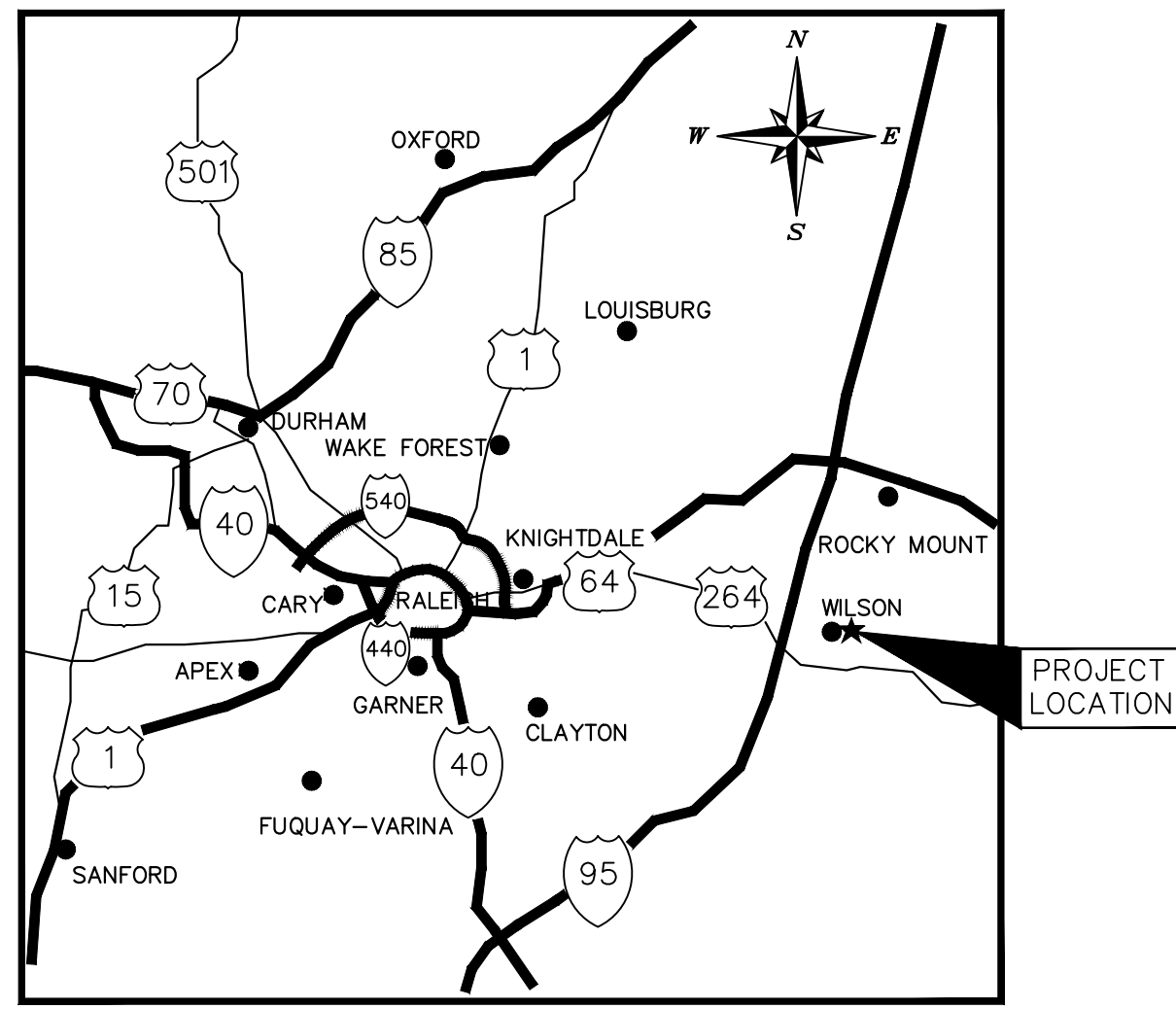


CONSTRUCTION DOCUMENT SUBMITTAL FOR WILSON BALLPARK UTILITIES EXPANSION REVIEW NUMBER TBD

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



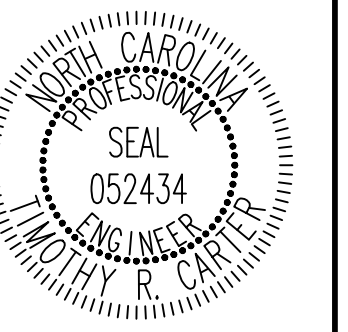
PROJECT LOCATION
NTS



VICINITY MAP N.T.S

SHEET LIST TABLE	
Sheet Number	Sheet Title
C0.0	COVER SHEET
C0.1	GENERAL NOTES
C1.0	EXISTING CONDITIONS PLAN
C1.1	DEMOLITION PLAN
C2.0	OVERALL SITE PLAN
C2.1	SITE PLAN
C2.2	SITE PLAN
C3.0	OVERALL GRADING AND DRAINAGE PLAN
C3.1	GRADING AND DRAINAGE PLAN
C3.2	GRADING AND DRAINAGE PLAN
C4.0	OVERALL UTILITY PLAN
C4.1	UTILITY PLAN
C4.2	UTILITY PLAN
C4.3	UTILITY PROFILES
C4.4	UTILITY PROFILES
C4.5	UTILITY PROFILES
C4.6	UTILITY PROFILES
C5.0	EROSION AND SEDIMENTATION CONTROL PLAN - PHASE 1
C5.1	EROSION AND SEDIMENTATION CONTROL PLAN - PHASE 2
C6.0	SITE DETAILS
C7.0	STORM DRAINAGE DETAILS
C8.0	UTILITY DETAILS
C8.1	UTILITY DETAILS
C9.0	EROSION AND SEDIMENTATION CONTROL DETAILS
C9.1	EROSION AND SEDIMENTATION CONTROL DETAILS

Kimley»Horn
© 2024 KIMLEY-HORN AND ASSOCIATES, INC.
421 FAYETTEVILLE ST. SUITE 600, RALEIGH, NC 27601
PHONE: (919) 677-2000
WWW.KIMLEY-HORN.COM



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

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

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
112 GOLDSBORO ST E
WILSON, NC 27893
PHONE: (252) 296-3398
ATTN.: GRANT GOINGS

CIVIL ENGINEER: KIMLEY-HORN AND ASSOCIATES, INC.
421 FAYETTEVILLE ST., SUITE 600
RALEIGH, NORTH CAROLINA 27601
PHONE: (919) 677-2197
ATTN.: TIM CARTER, P.E.
tim.carter@kimley-horn.com

LANDSCAPE ARCHITECT: KIMLEY-HORN AND ASSOCIATES, INC.
421 FAYETTEVILLE ST., SUITE 600
RALEIGH, NORTH CAROLINA 27601
PHONE: (984) 275-2386
ATTN.: NICK KUHN, PLA
nick.kuhn@kimley-horn.com

SURVEYOR: BARTLETT ENGINEERING AND SURVEYING, PC
1906 NASH ST N
WILSON, NC 27893
PHONE: (252) 205-1856
ATTN.: TONY BARTLETT, PLS
tony@bartletteng.com

PREPARED IN THE OFFICE OF: **NC CERTIFICATE OF AUTHORIZATION: F-0102**

Kimley»Horn

© 2024 Kimley-Horn and Associates, Inc.
421 FAYETTEVILLE STREET - SUITE 600 - RALEIGH, NORTH CAROLINA 27601
PHONE: (919) 677-2000

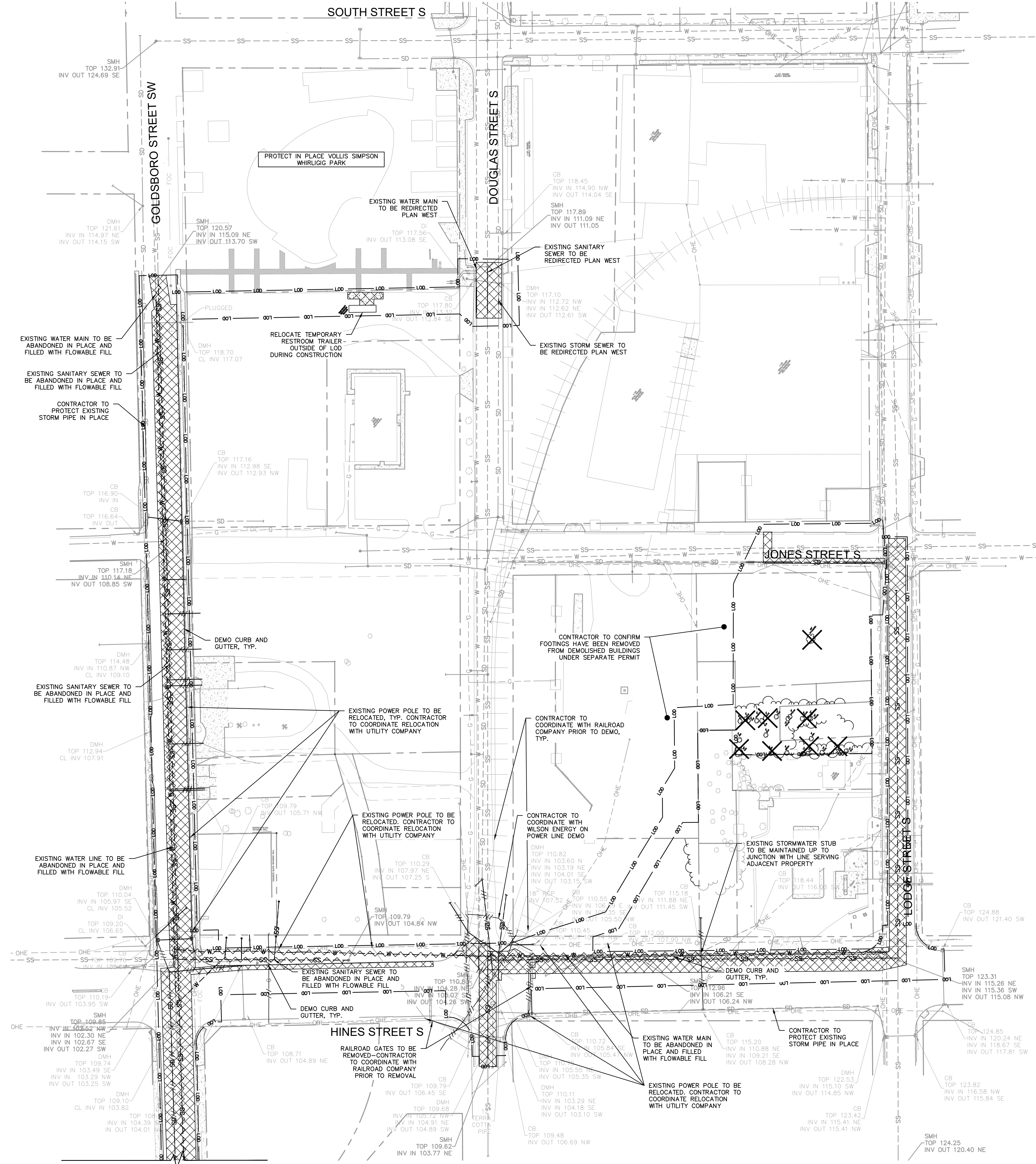
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Copyright Kimley-Horn and Associates, Inc., 2024

JANUARY 26, 2024 JOB NUMBER:
268255002

811
Know what's below.
Call before you dig.

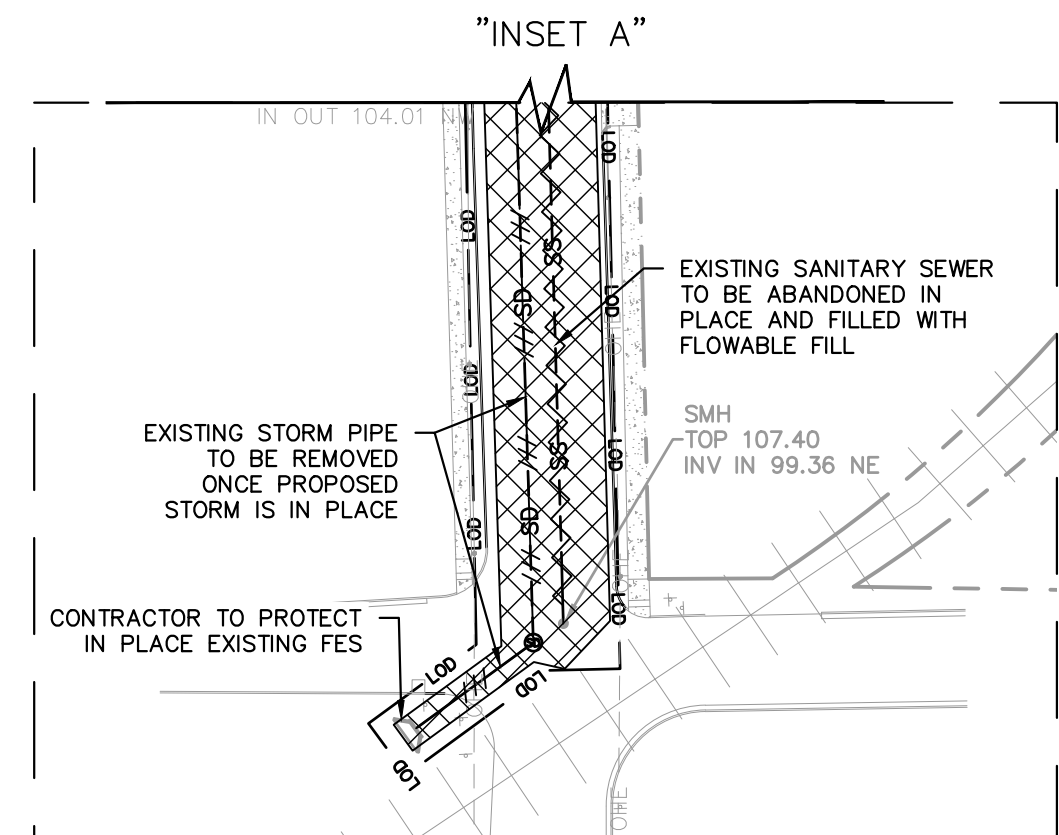
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



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.



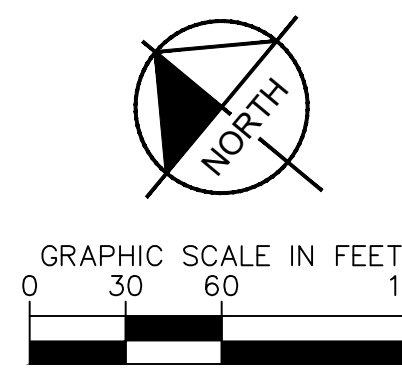
ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL CITY OF WILSON AND/OR NCDOT STANDARDS AND SPECIFICATIONS.

SURVEY NOTE:

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.



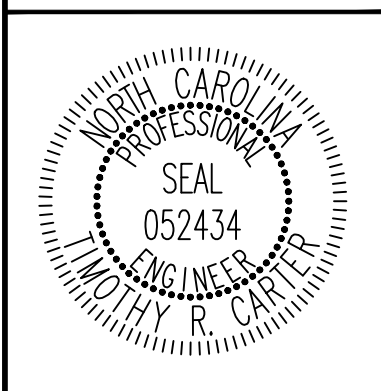
Know what's below.
Call before you dig.



NO.	REVISIONS	DATE	BY

Kimley-Horn

© 2024 KIMLEY-HORN AND ASSOCIATES, INC.
421 FAYETTEVILLE SUITE 600, RALEIGH, NC 27601
PHONE: (919) 677-2000
WWW.KIMLEY-HORN.COM



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

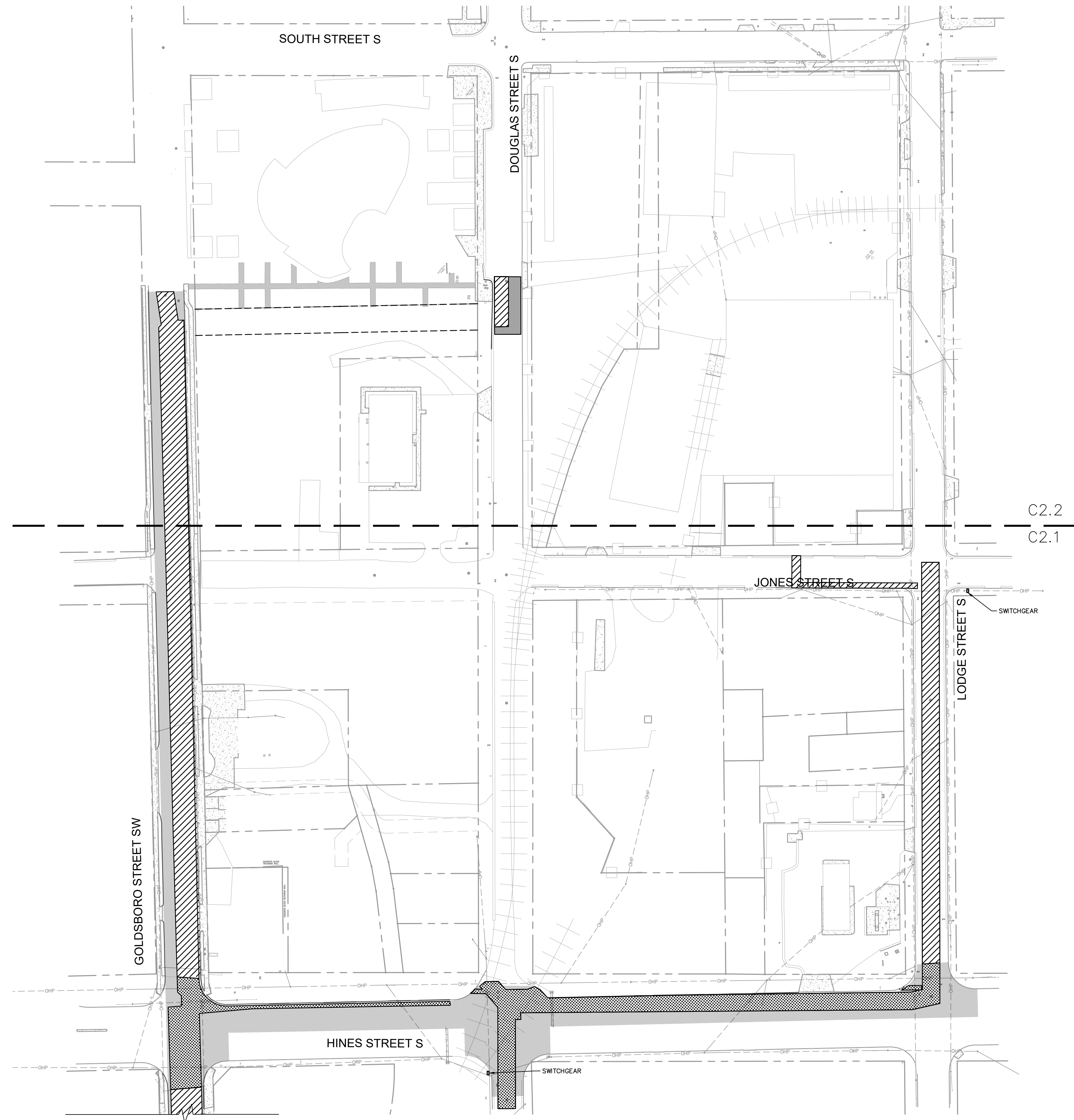
DEMOLITION PLAN

WILSON BALLPARK UTILITIES EXPANSION PREPARED FOR CITY OF WILSON

WILSON NORTH CAROLINA

SHEET NUMBER
C1.1

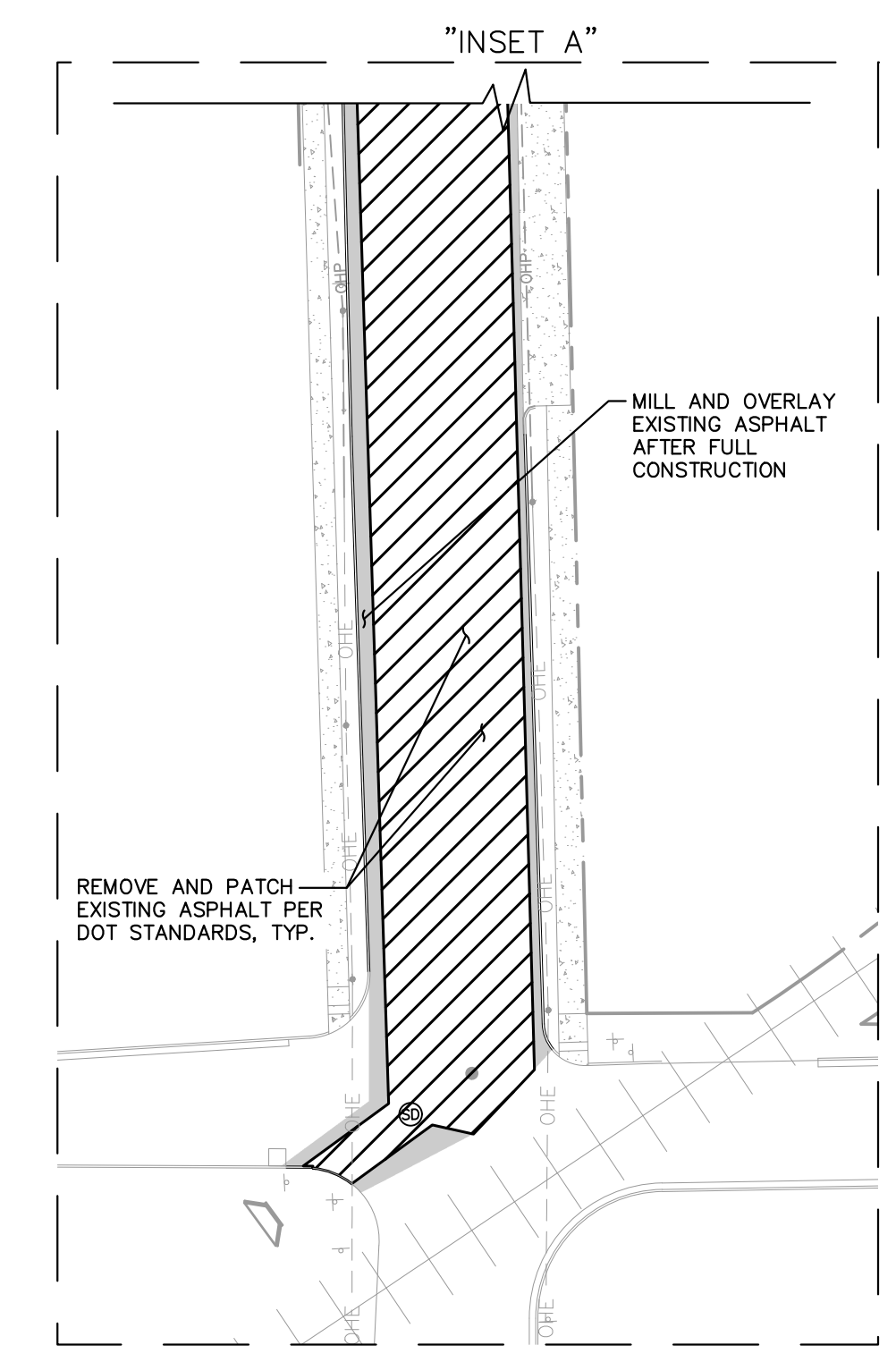
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



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.

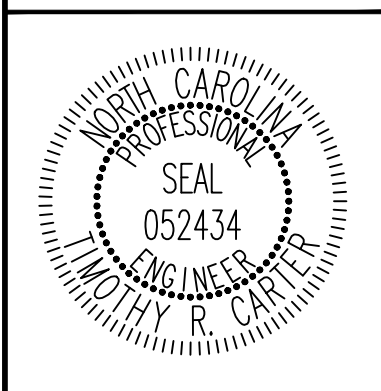
SURVEY NOTE:
 EXISTING INFORMATION TAKEN FROM BOUNDARY/TOPOGRAPHIC SURVEY PROVIDED BY BARTLETT ENGINEERING AND SURVEYING, PC, 1906 NASH ST. N., WILSON, NC 27893. PHONE: 252-205-1856 AND DATED AUGUST 25, 2023 AND GIS/AERIAL IMAGERY.

811
 Know what's below.
 Call before you dig.

GRAPHIC SCALE IN FEET
 0 30 60 120

No.	REVISIONS	DATE	BY

Kimley & Horn
 © 2024 KIMLEY-HORN AND ASSOCIATES, INC.
 421 FAYETTEVILLE ST SUITE 600, RALEIGH, NC 27601
 PHONE: (919) 677-2000
 WWW.KIMLEY-HORN.COM



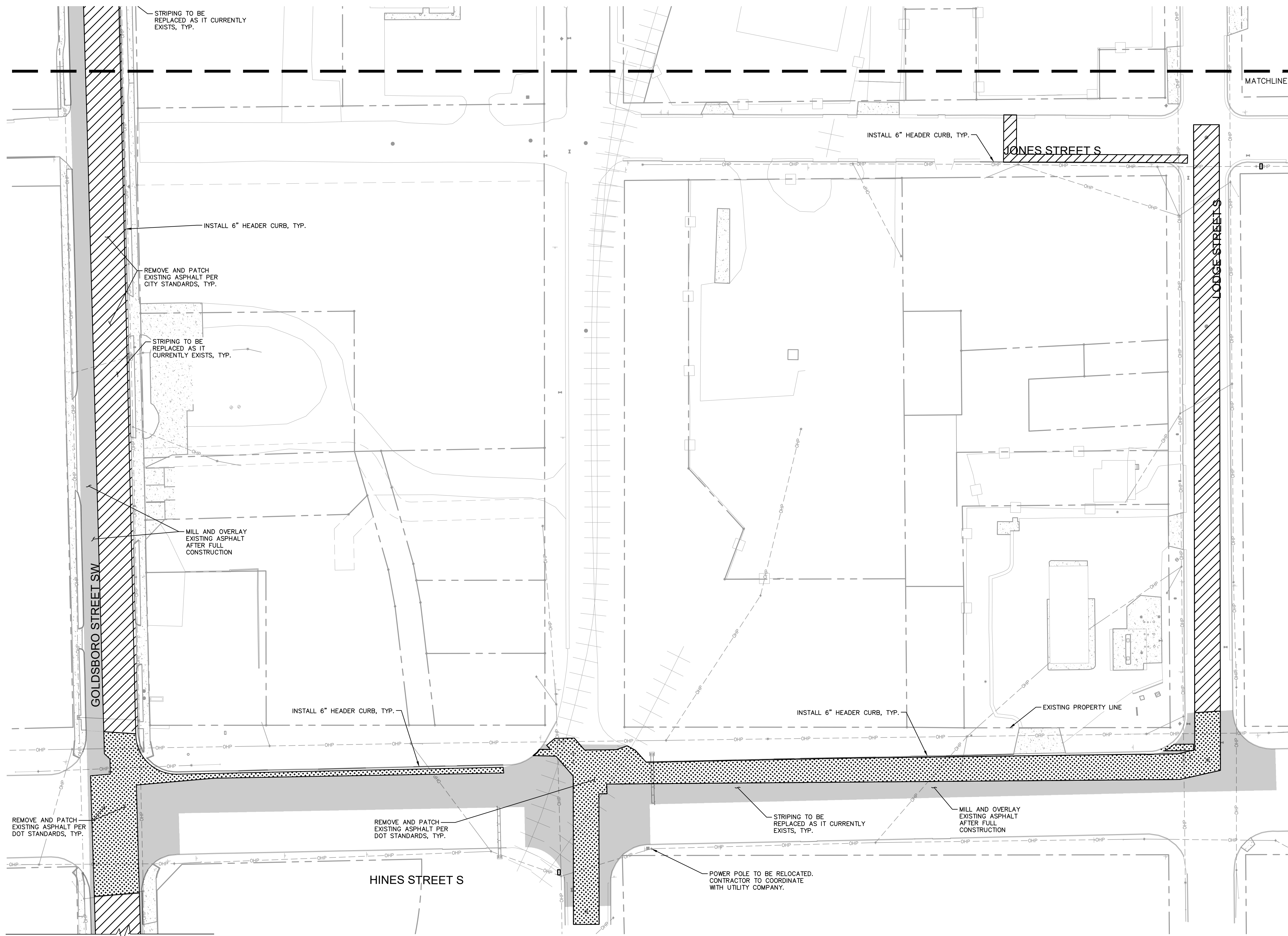
KHA PROJECT	268255002
DATE	01/26/2024
SCALE	AS SHOWN
DESIGNED BY:	SRH
DRAWN BY:	SRH
CHECKED BY:	TRC

OVERALL SITE PLAN

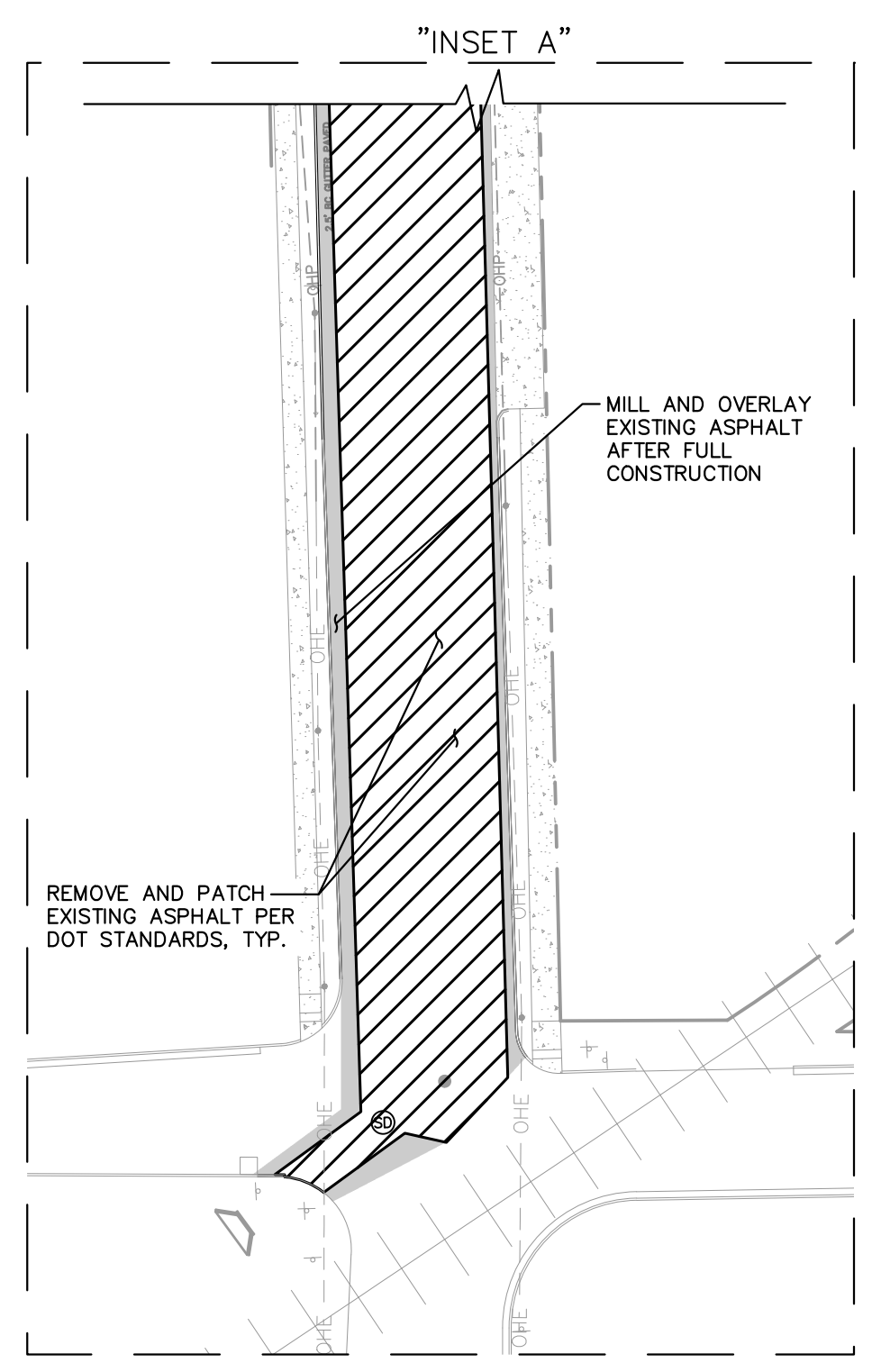
WILSON BALLPARK UTILITIES EXPANSION
 PREPARED FOR
CITY OF WILSON
 WILSON NORTH CAROLINA

SHEET NUMBER
C2.0

This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

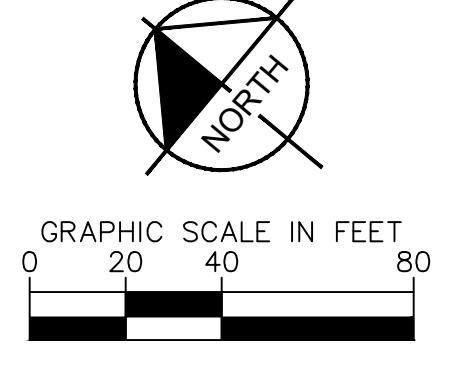


SITE LEGEND	
	PROPERTY LINE
	EASEMENT LINE
	HEADER CURB
	CITY ASPHALT
	DOT ASPHALT
	MILL AND OVERLAY EXISTING ASPHALT



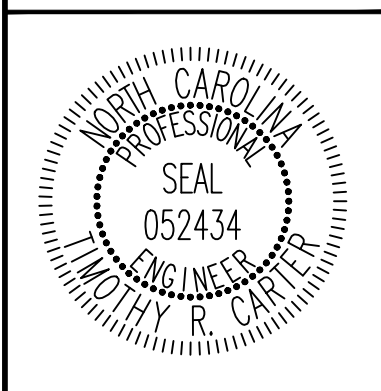
ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL CITY OF WILSON AND/OR NCDOT STANDARDS AND SPECIFICATIONS.

SURVEY NOTE:
 EXISTING INFORMATION TAKEN FROM BOUNDARY/TOPOGRAPHIC SURVEY PROVIDED BY BARTLETT ENGINEERING AND SURVEYING, P.C., 1908 NASH ST. N., WILSON, NC 27893. PHONE: 252-205-1856 AND DATED AUGUST 25, 2023 AND GIS/AERIAL IMAGERY.



NO.	REVISIONS	DATE	BY

Kimley >>> Horn
 © 2024 KIMLEY-HORN AND ASSOCIATES, INC.
 421 FAYETTEVILLE ST SUITE 600, RALEIGH, NC 27601
 PHONE: (919) 677-2000
 WWW.KIMLEY-HORN.COM



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

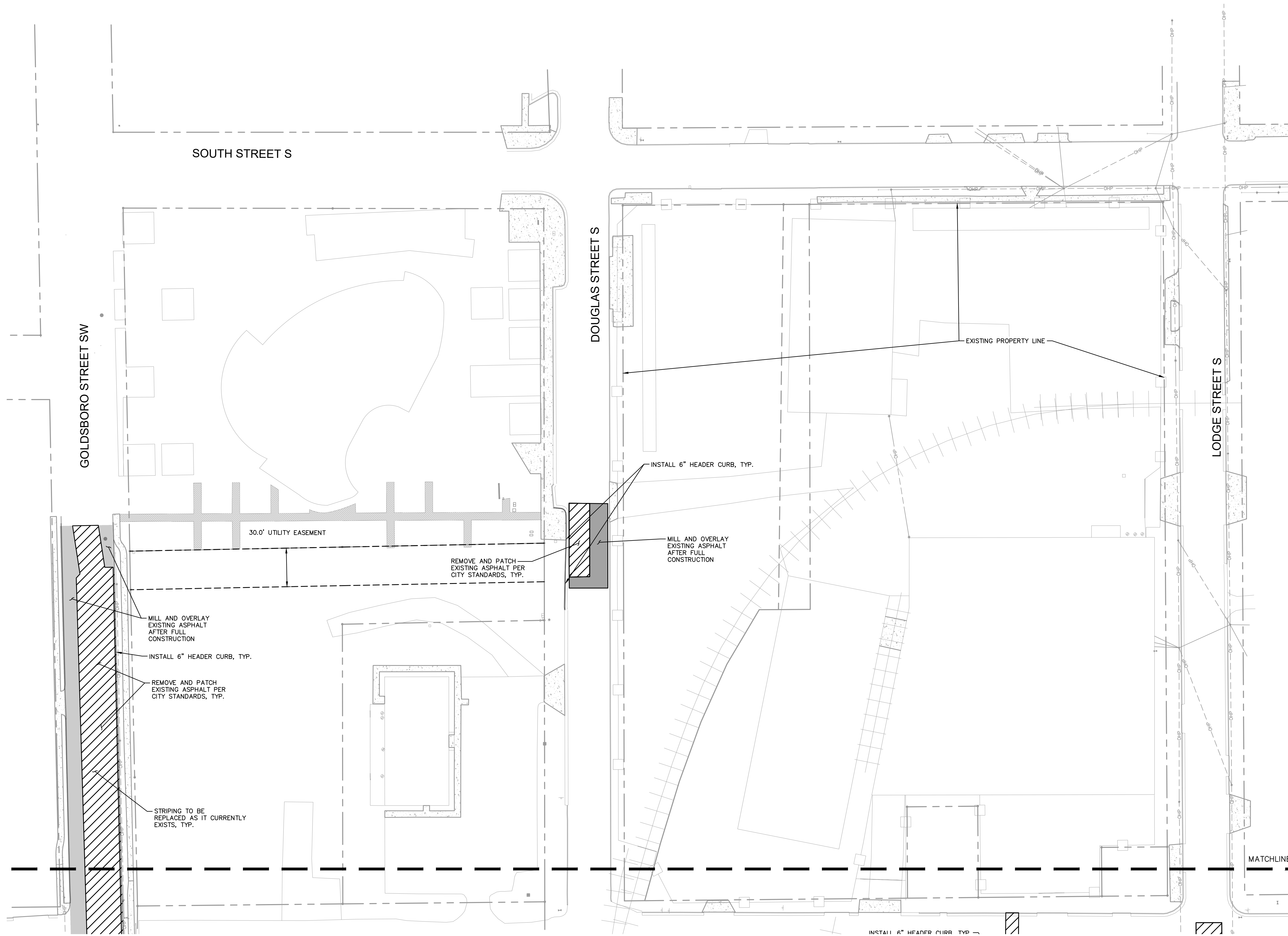
SITE PLAN

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

NORTH CAROLINA
 WILSON

SHEET NUMBER
C2.1

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



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.

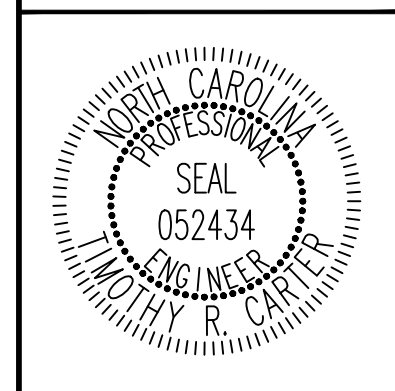
SURVEY NOTE:
 EXISTING INFORMATION TAKEN FROM BOUNDARY/TOPOGRAPHIC SURVEY PROVIDED BY BARTLETT ENGINEERING AND SURVEYING, P.C., 1906 NASH ST. N., WILSON, NC 27893. PHONE: 252-205-1856 AND DATED AUGUST 25, 2023 AND GIS/AERIAL IMAGERY.

811
 Know what's below.
 Call before you dig.

GRAPHIC SCALE IN FEET
 0 20 40 80

No.	REVISIONS	DATE	BY

Kimley-Horn
 © 2024 KIMLEY-HORN AND ASSOCIATES, INC.
 421 FAYETTEVILLE ST SUITE 600, RALEIGH, NC 27601
 PHONE: (919) 677-2000
 WWW.KIMLEY-HORN.COM



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

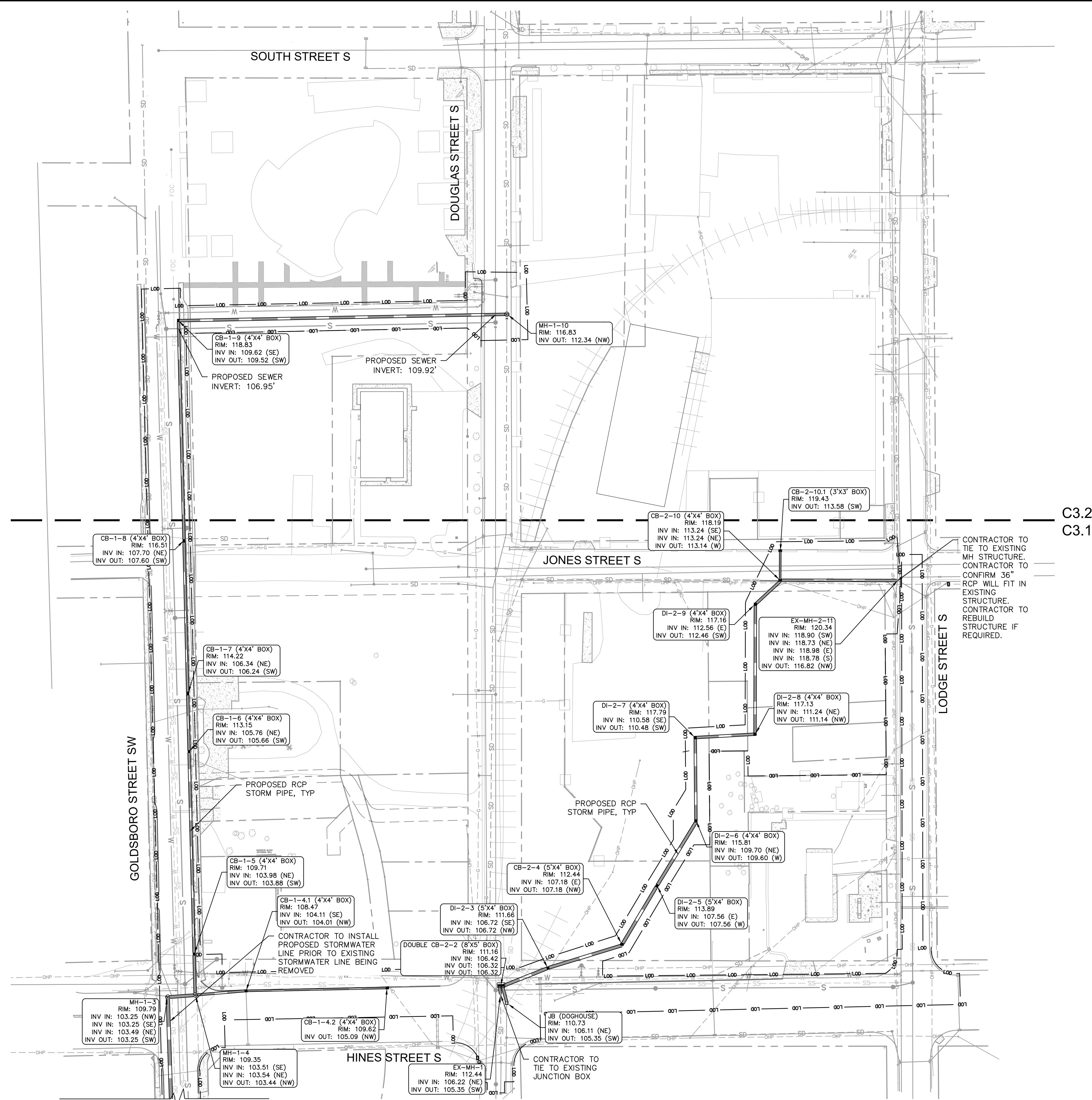
SITE PLAN

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

NORTH CAROLINA
 WILSON

SHEET NUMBER
C2.2

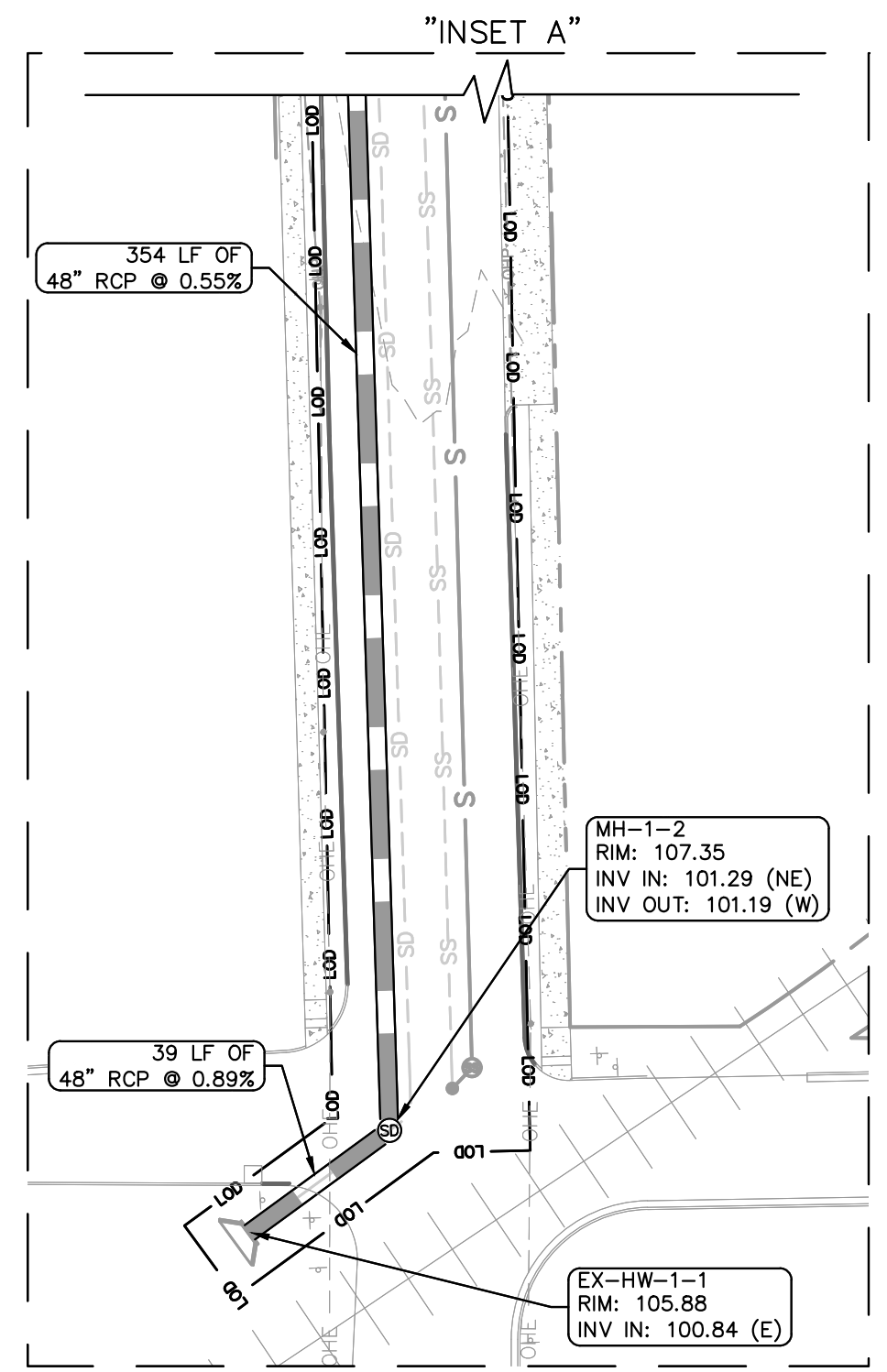
This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



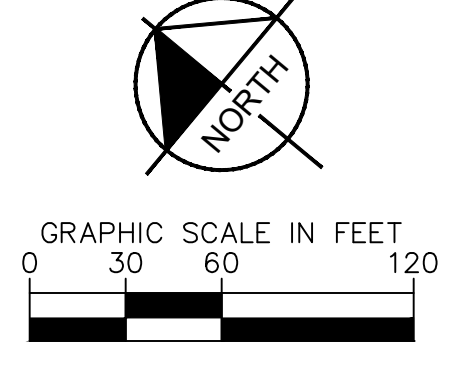
GRADING AND DRAINAGE LEGEND	
	PROPERTY LINE
	LIMITS OF DISTURBANCE
	TEMPORARY CONSTRUCTION EASEMENT
	STORM DRAIN (≥ 12 INCH)
	STORM DRAIN (< 12 INCH)
	CURB AND GUTTER
	SPILL CURB AND GUTTER
	CLEARING LIMITS
	EXISTING CONTOUR
	PROPOSED CONTOUR
	CATCH BASIN (CB)
	MANHOLE (SDMH)
	CLEANOUT (SDCO)
	DROP INLET (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

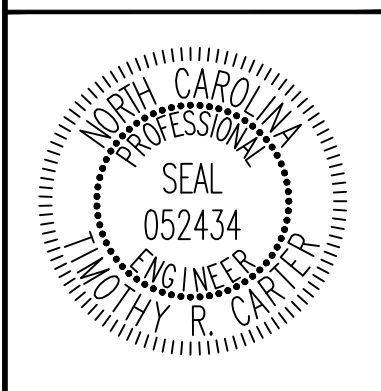


SEE "INSET A" THIS SHEET



NO.	REVISIONS	DATE	BY

Kimley-Horn
 © 2024 KIMLEY-HORN AND ASSOCIATES, INC.
 421 FAYETTEVILLE SUITE 600, RALEIGH, NC 27601
 PHONE: (919) 677-2000
 WWW.KIMLEY-HORN.COM

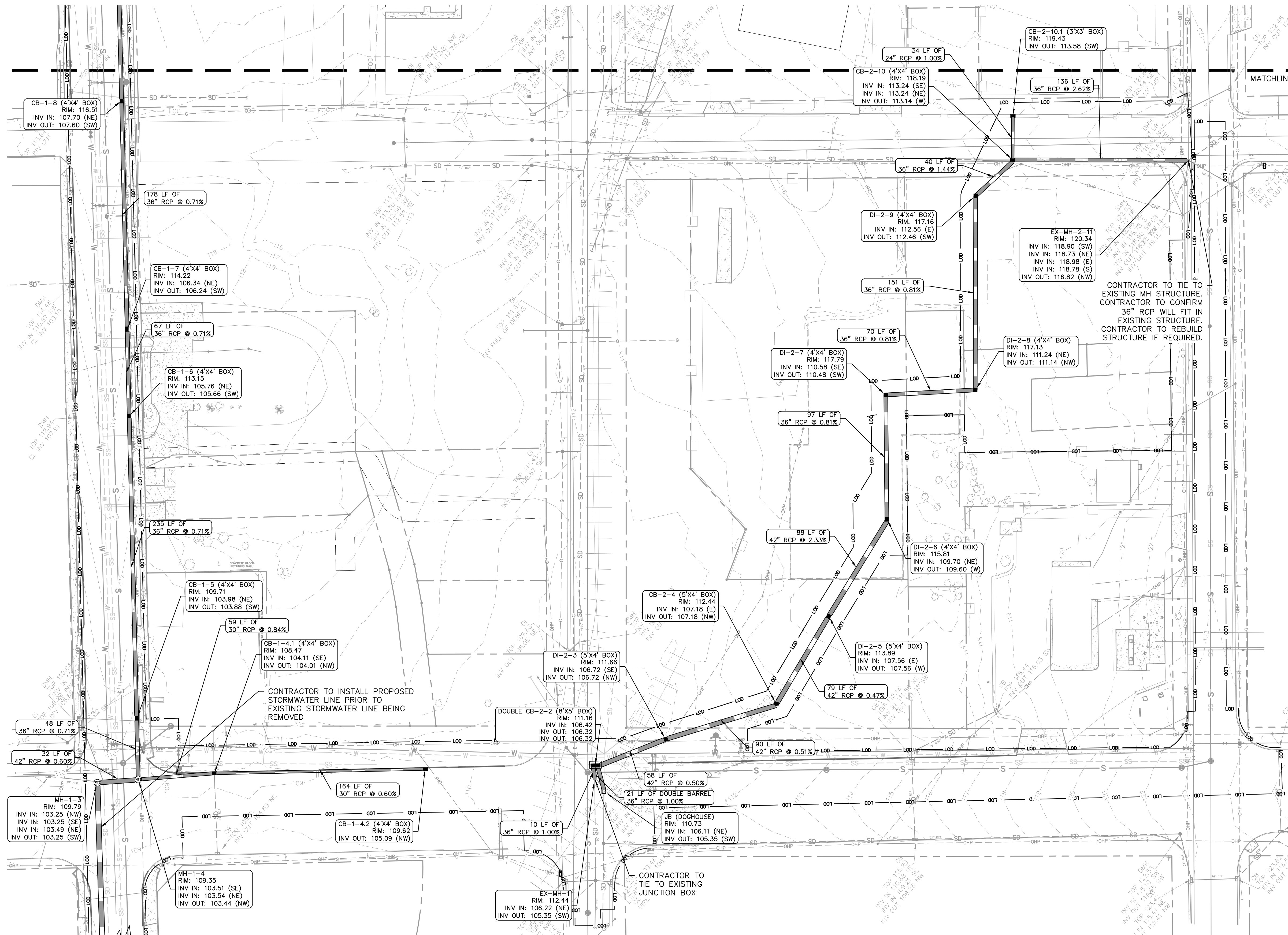


KHA PROJECT	268255002
DATE	01/26/2024
SCALE	AS SHOWN
DESIGNED BY:	SRH
DRAWN BY:	SRH
CHECKED BY:	TRC

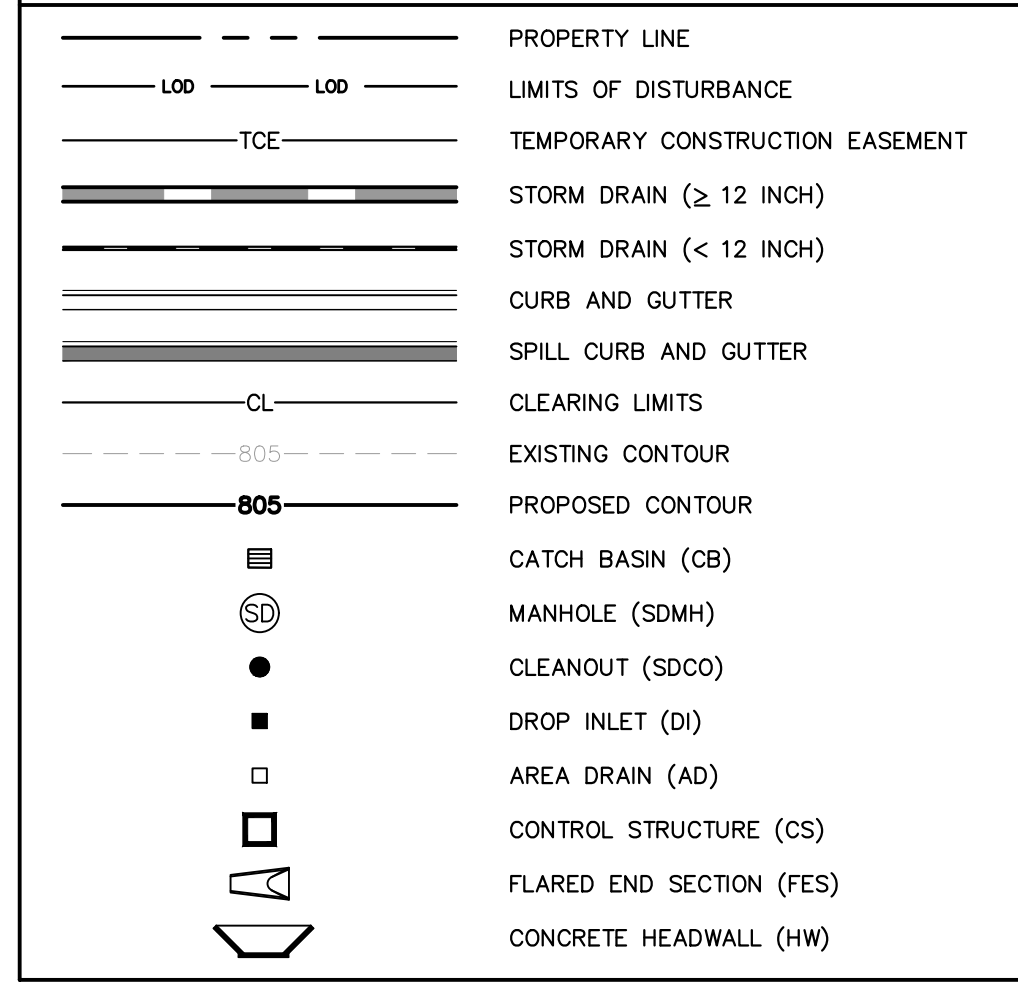
OVERALL GRADING AND DRAINAGE PLAN

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

This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

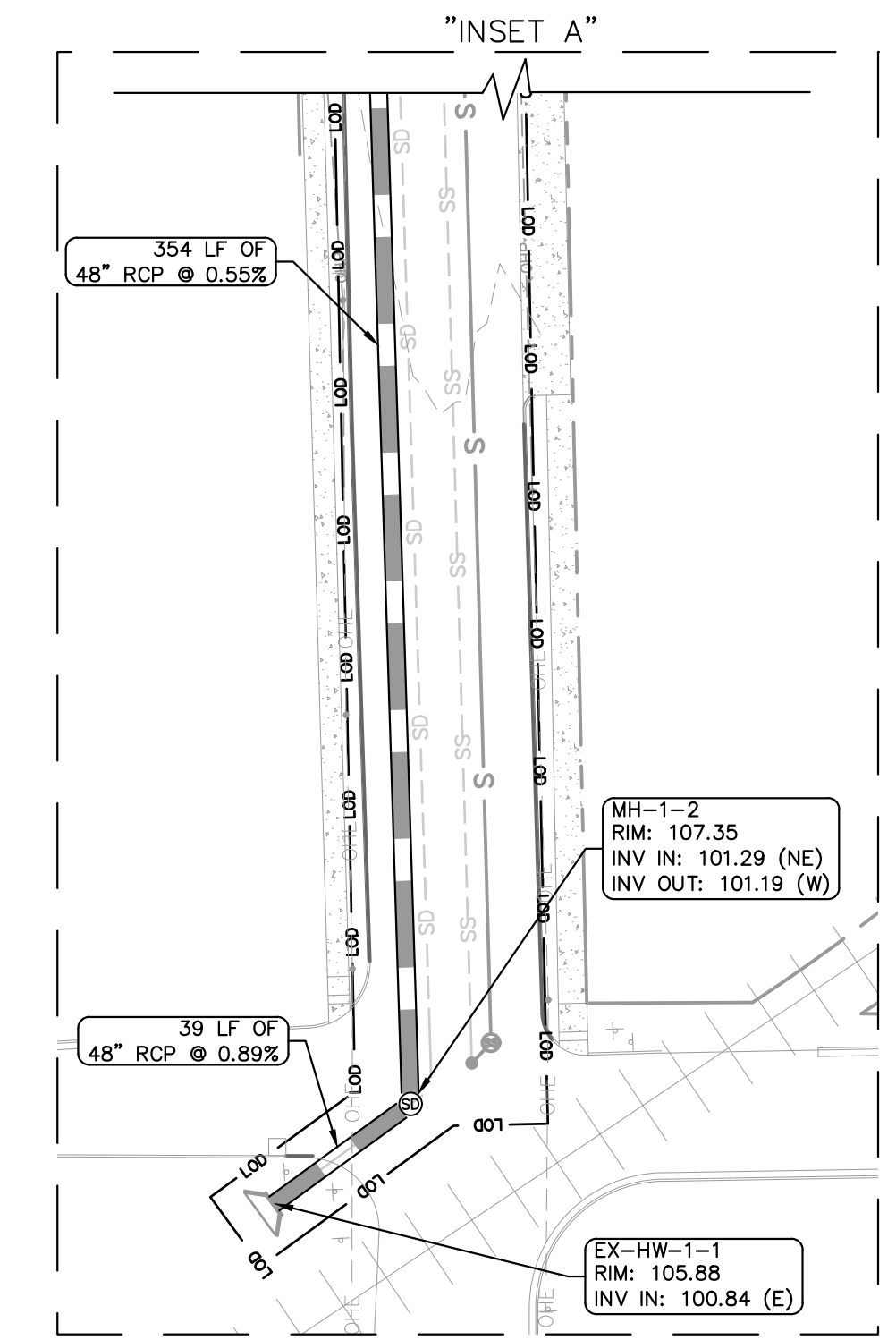


GRADING AND DRAINAGE LEGEND

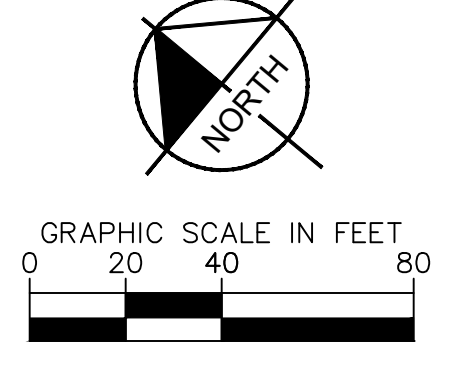


NOTE:
CONTRACTOR TO RETURN SITE TO ORIGINAL EXISTING GRADES FOLLOWING CONSTRUCTION.

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

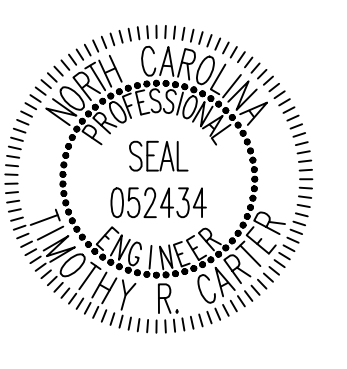


SEE "INSET A" THIS SHEET



NO.	REVISIONS	DATE	BY

Kimley-Horn
 © 2024 KIMLEY-HORN AND ASSOCIATES, INC.
 421 FAYETTEVILLE SUITE 600, RALEIGH, NC 27601
 PHONE: (919) 677-2000
 WWW.KIMLEY-HORN.COM

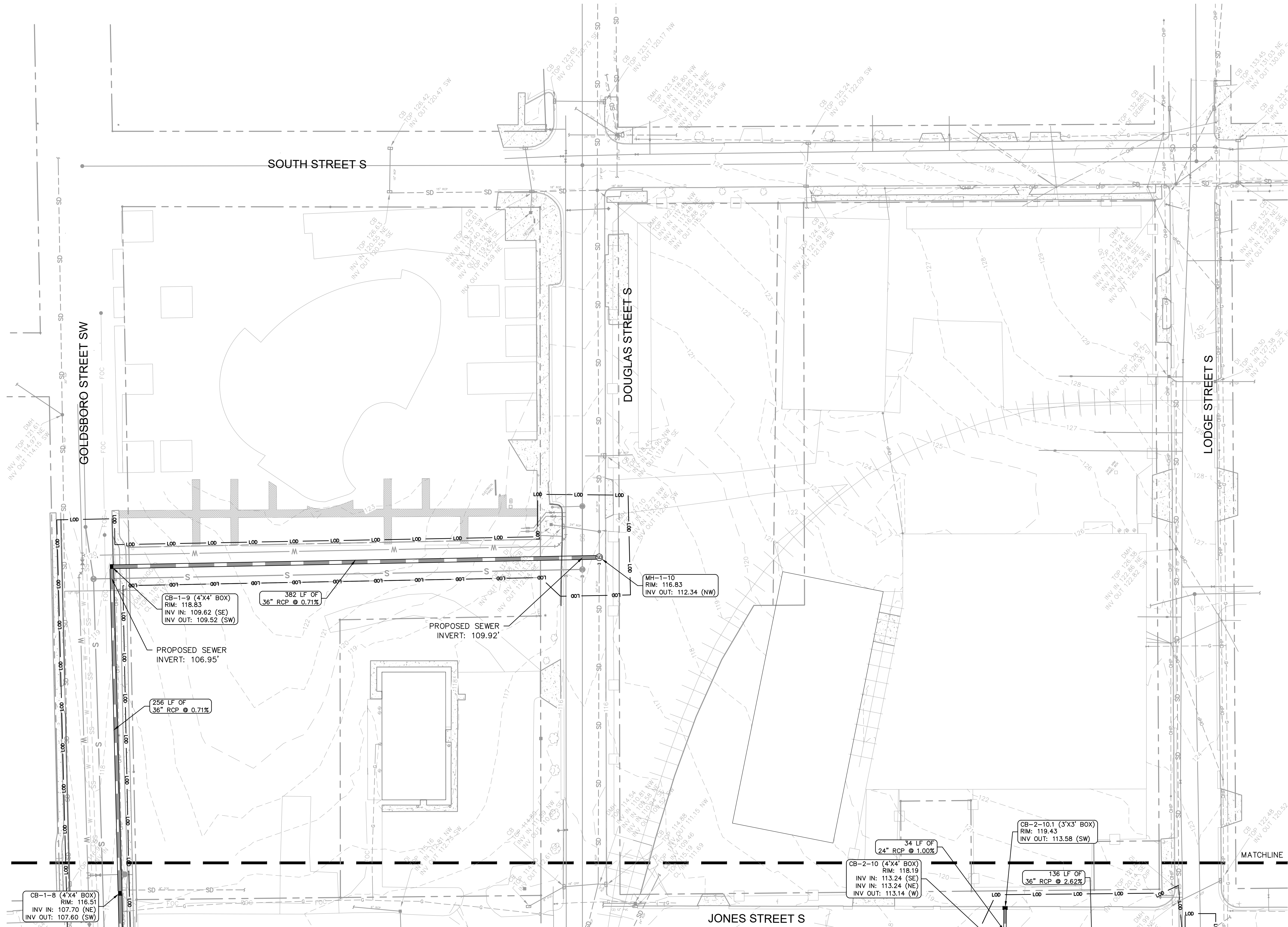


KHA PROJECT	268255002
DATE	01/26/2024
SCALE	AS SHOWN
DESIGNED BY:	SRH
DRAWN BY:	SRH
CHECKED BY:	TRC

GRADING AND DRAINAGE PLAN

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

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



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.

NO.	REVISIONS	DATE	BY

Kimley & Horn
 © 2024 KIMLEY-HORN AND ASSOCIATES, INC.
 421 FAYETTEVILLE SUITE 600, RALEIGH, NC 27601
 PHONE: (919) 677-2000
 WWW.KIMLEY-HORN.COM

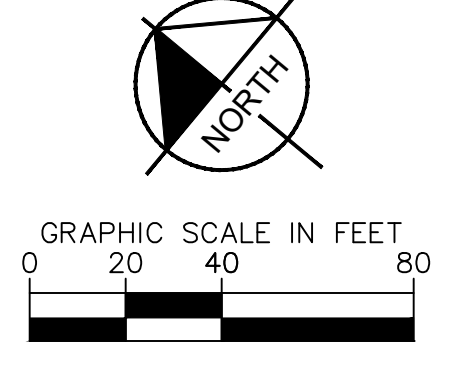


KHA PROJECT	268255002
DATE	01/26/2024
SCALE	AS SHOWN
DESIGNED BY:	SRH
DRAWN BY:	SRH
CHECKED BY:	TRC

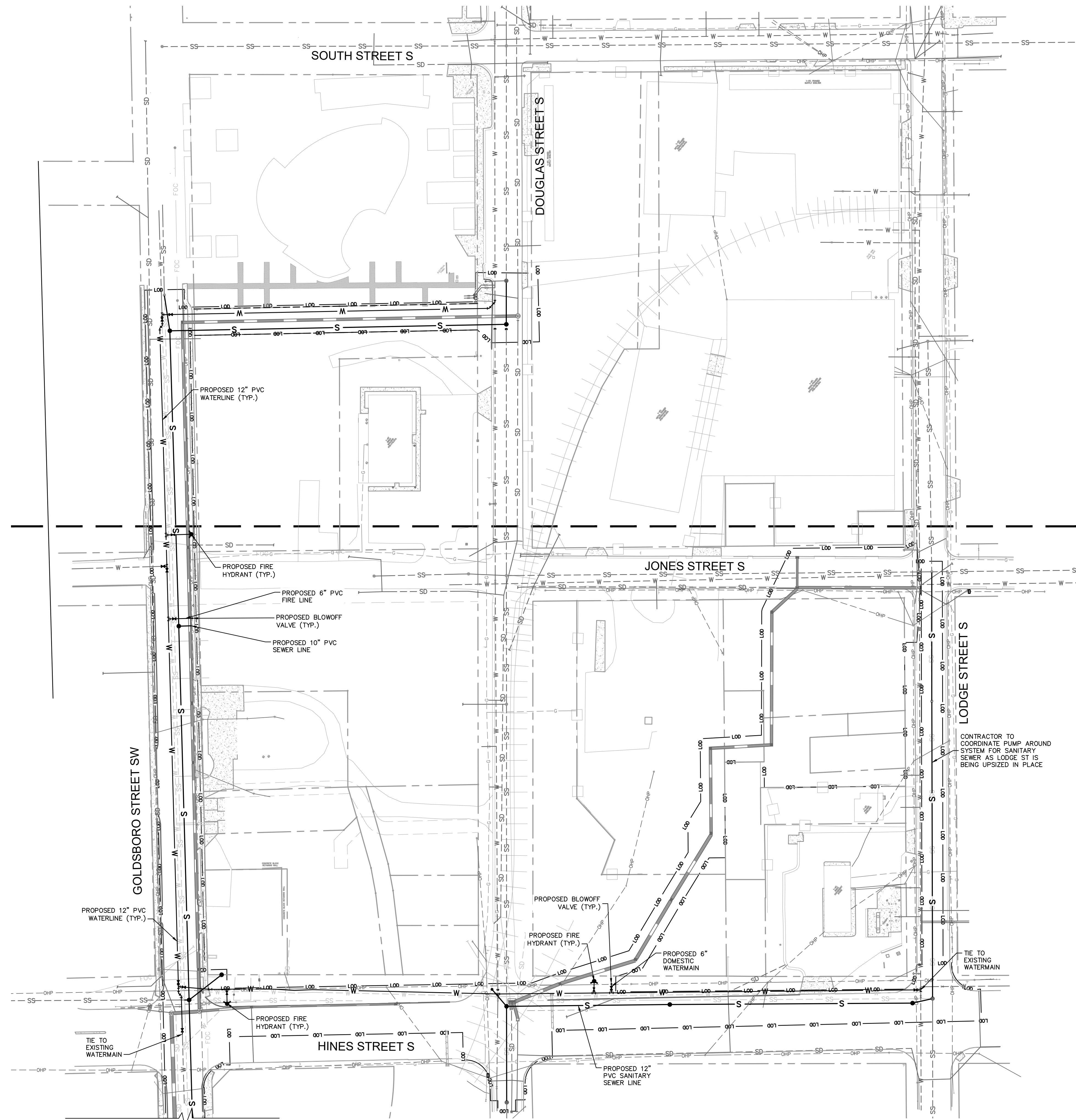
GRADING AND DRAINAGE PLAN

WILSON BALLPARK
 UTILITIES EXPANSION
 PREPARED FOR
 CITY OF WILSON
 NORTH CAROLINA

SHEET NUMBER
C3.2



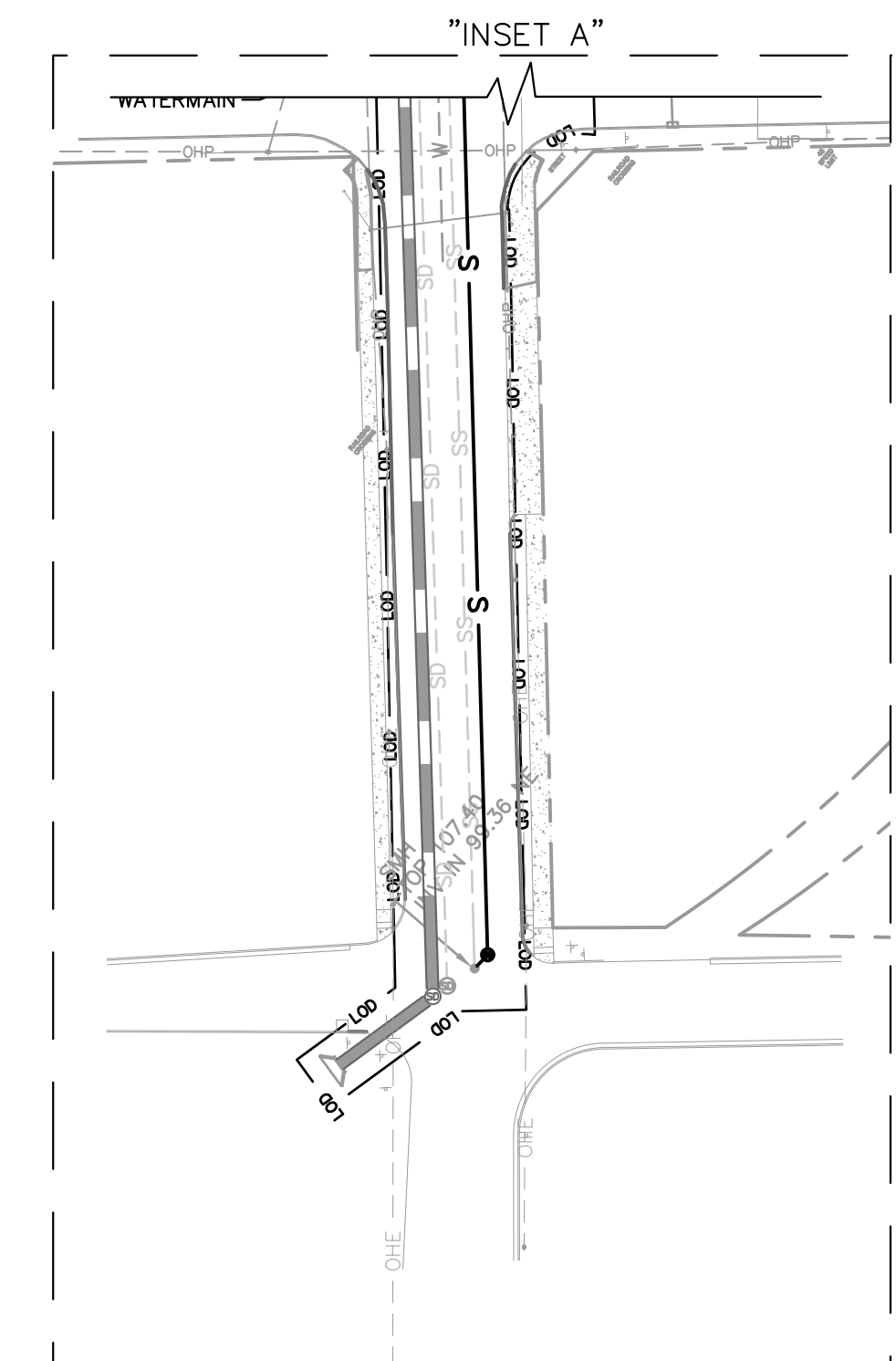
This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



SEE "INSET A" THIS SHEET

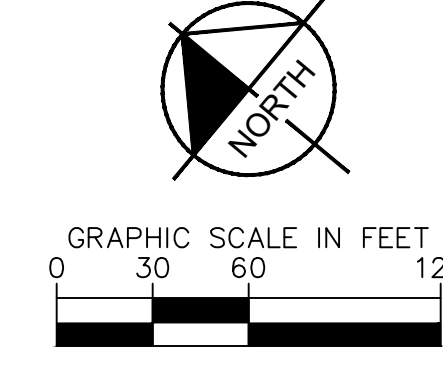
UTILITY LEGEND	
---	PROPERTY LINE
W	WATER LINE
LOO	LIMITS OF DISTURBANCE
FW	FIRE LINE
SS	SANITARY SEWER LINE
E	ELECTRIC
FO	FIBER OPTIC
G	GAS
P	POWER
T	TELECOMMUNICATION
TV	CABLE
□	LIGHT POLE
X	GATE VALVE
○	POINT OF CONNECTION
└─┘	PIPE TEE/BENDS
⋈	REDUCER
⊙	FIRE HYDRANT (FH)
⊙	FIRE DEPARTMENT CONNECTION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

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



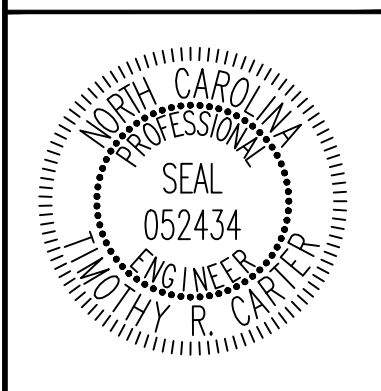
ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL CITY OF WILSON AND/OR NCDOT STANDARDS AND SPECIFICATIONS.

SURVEY NOTE:
EXISTING INFORMATION TAKEN FROM BOUNDARY/TOPOGRAPHIC SURVEY PROVIDED BY BARTLETT ENGINEERING AND SURVEYING, P.C., 1908 NASH ST. N., WILSON, NC 27893. PHONE: 252-205-1856 AND DATED AUGUST 25, 2023 AND GIS/AERIAL IMAGERY.



No.	REVISIONS	DATE	BY

Kimley-Horn
© 2024 KIMLEY-HORN AND ASSOCIATES, INC.
421 FAYETTEVILLE ST SUITE 600, RALEIGH, NC 27601
PHONE: (919) 677-2000
WWW.KIMLEY-HORN.COM



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

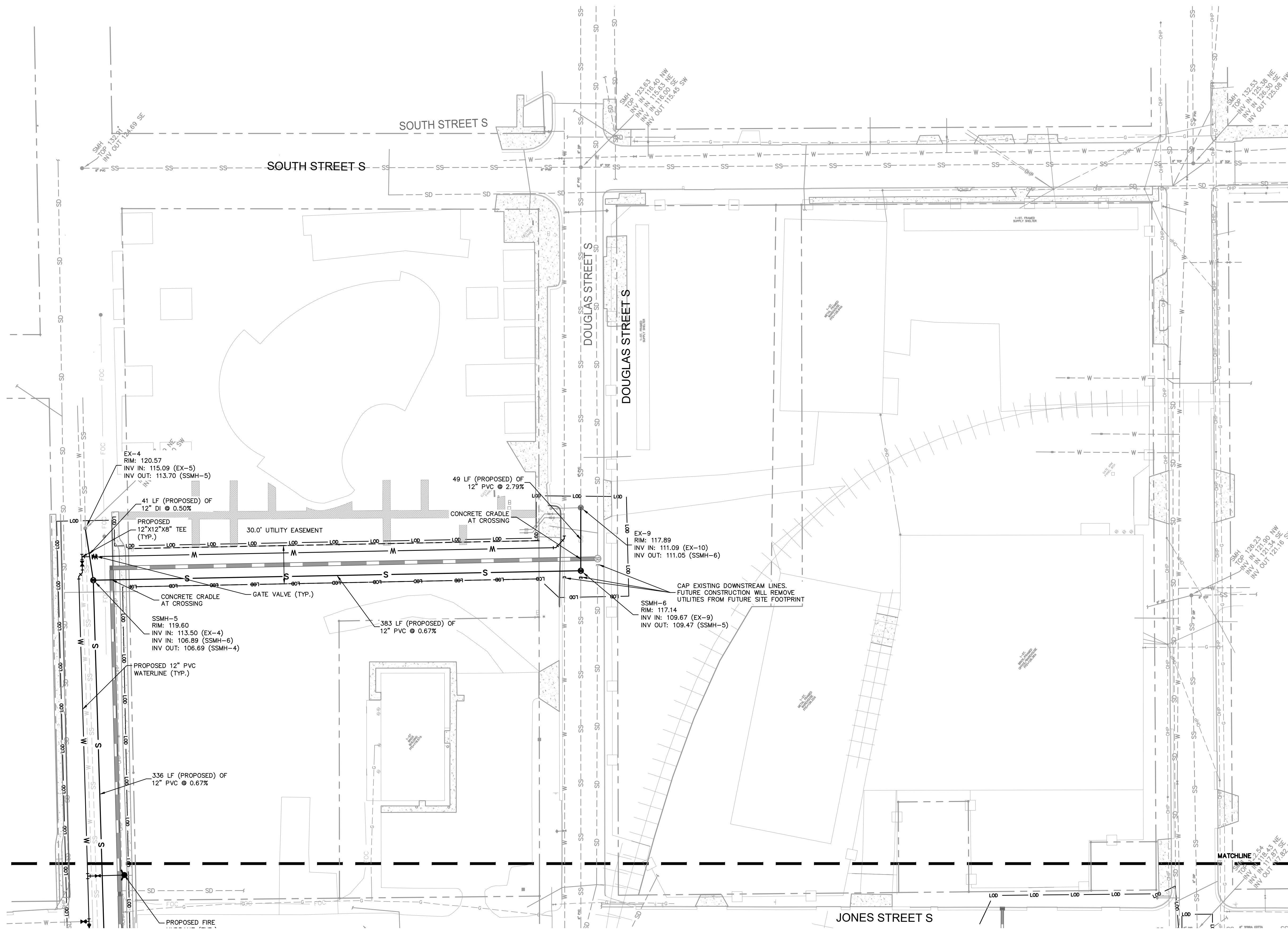
OVERALL UTILITY PLAN

WILSON BALLPARK
UTILITIES EXPANSION
PREPARED FOR
CITY OF WILSON
NORTH CAROLINA

WILSON

SHEET NUMBER
C4.0

This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

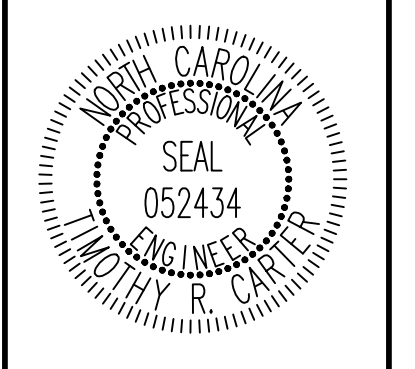


UTILITY LEGEND	
---	PROPERTY LINE
W	WATER LINE
LOO	LIMITS OF DISTURBANCE
FW	FIRE LINE
SS	SANITARY SEWER LINE
E	ELECTRIC
FO	FIBER OPTIC
G	GAS
P	POWER
T	TELECOMMUNICATION
TV	CABLE
□	LIGHT POLE
⊗	GATE VALVE
⊕	POINT OF CONNECTION
⊕	PIPE TEE/BENDS
⊕	REDUCER
⊕	FIRE HYDRANT (FH)
⊕	FIRE DEPARTMENT CONNECTION (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.

NO.	REVISIONS	DATE	BY

Kimley-Horn
 © 2024 KIMLEY-HORN AND ASSOCIATES, INC.
 421 FAYETTEVILLE ST. SUITE 600, RALEIGH, NC 27601
 PHONE: (919) 677-2000
 WWW.KIMLEY-HORN.COM



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

UTILITY PLAN

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, P.C., 1906 NASH ST. N., WILSON, NC 27893. PHONE: 252-205-1856 AND DATED AUGUST 25, 2023 AND GIS/AERIAL IMAGERY.

811
 Know what's below.
 Call before you dig.

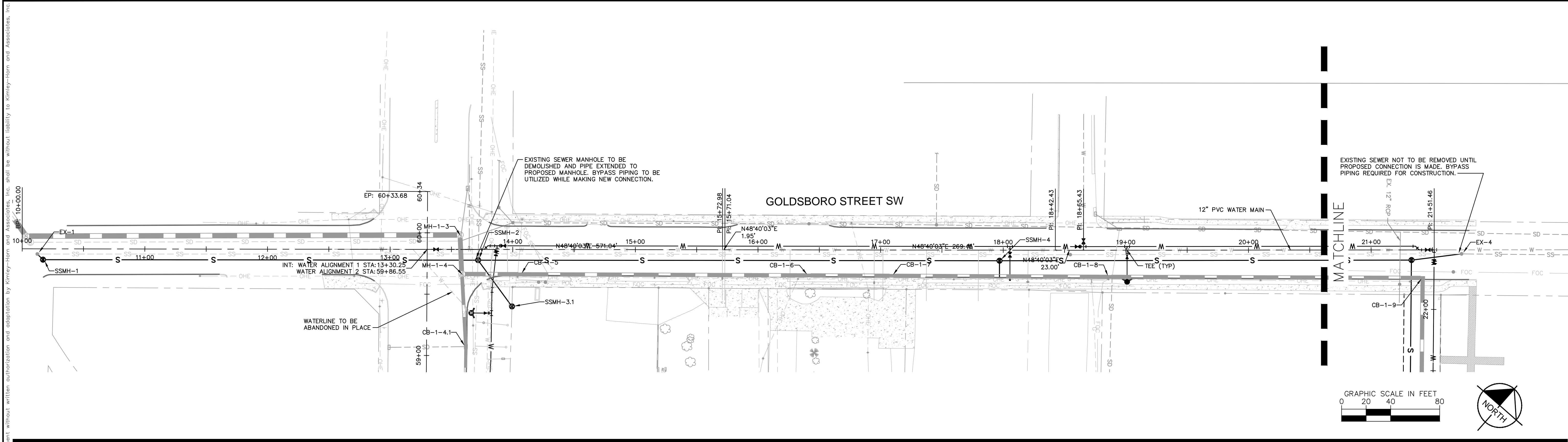
GRAPHIC SCALE IN FEET
 0 20 40 80

WILSON BALLPARK UTILITIES EXPANSION
 PREPARED FOR
CITY OF WILSON
 NORTH CAROLINA

WILSON

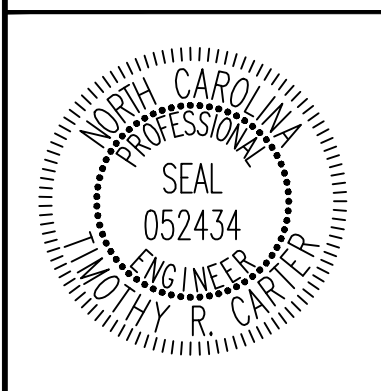
SHEET NUMBER
C4.2

This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



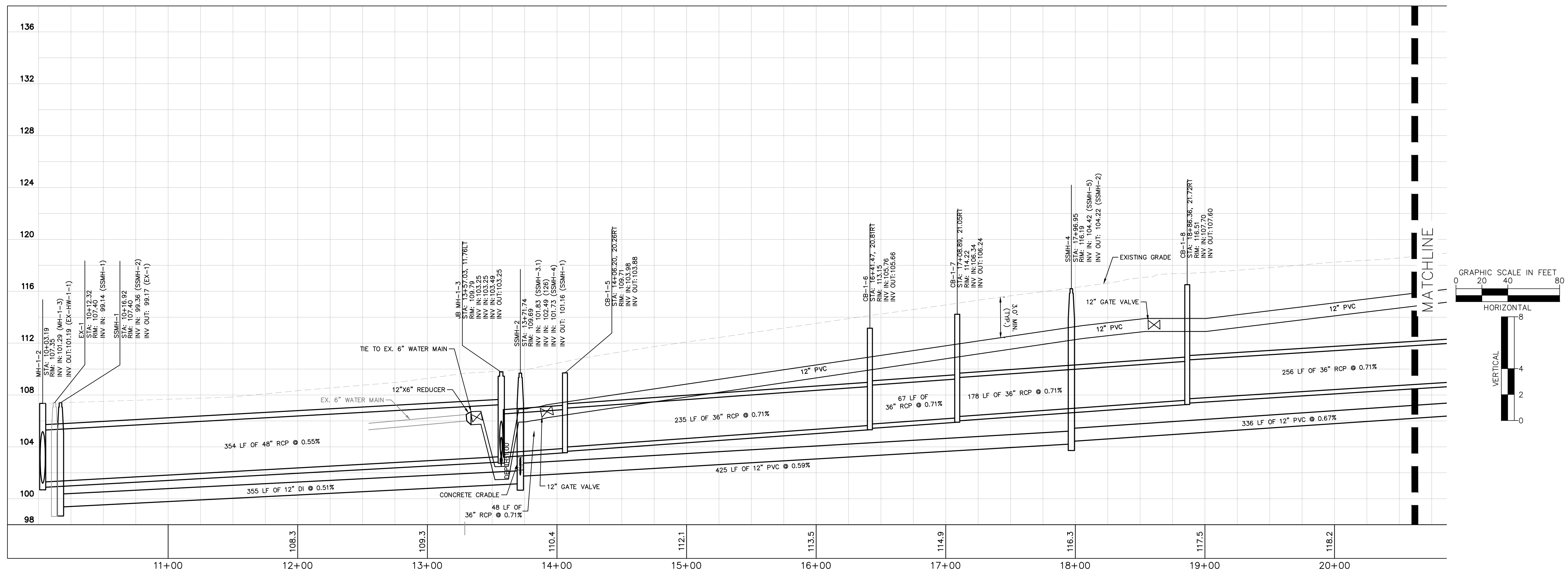
No.	REVISIONS	DATE	BY

Kimley & Horn
 © 2024 KIMLEY-HORN AND ASSOCIATES, INC.
 421 FAYETTEVILLE ST SUITE 600, RALEIGH, NC 27601
 PHONE: (919) 677-2000
 WWW.KIMLEY-HORN.COM



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

UTILITY PROFILES

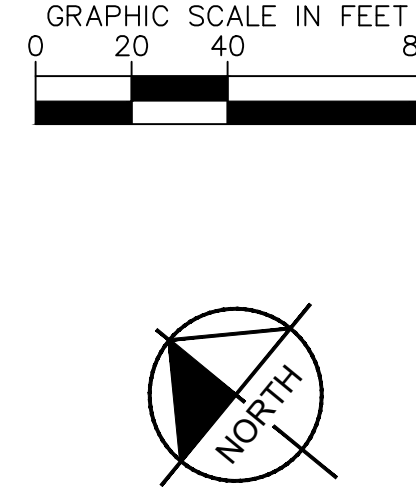
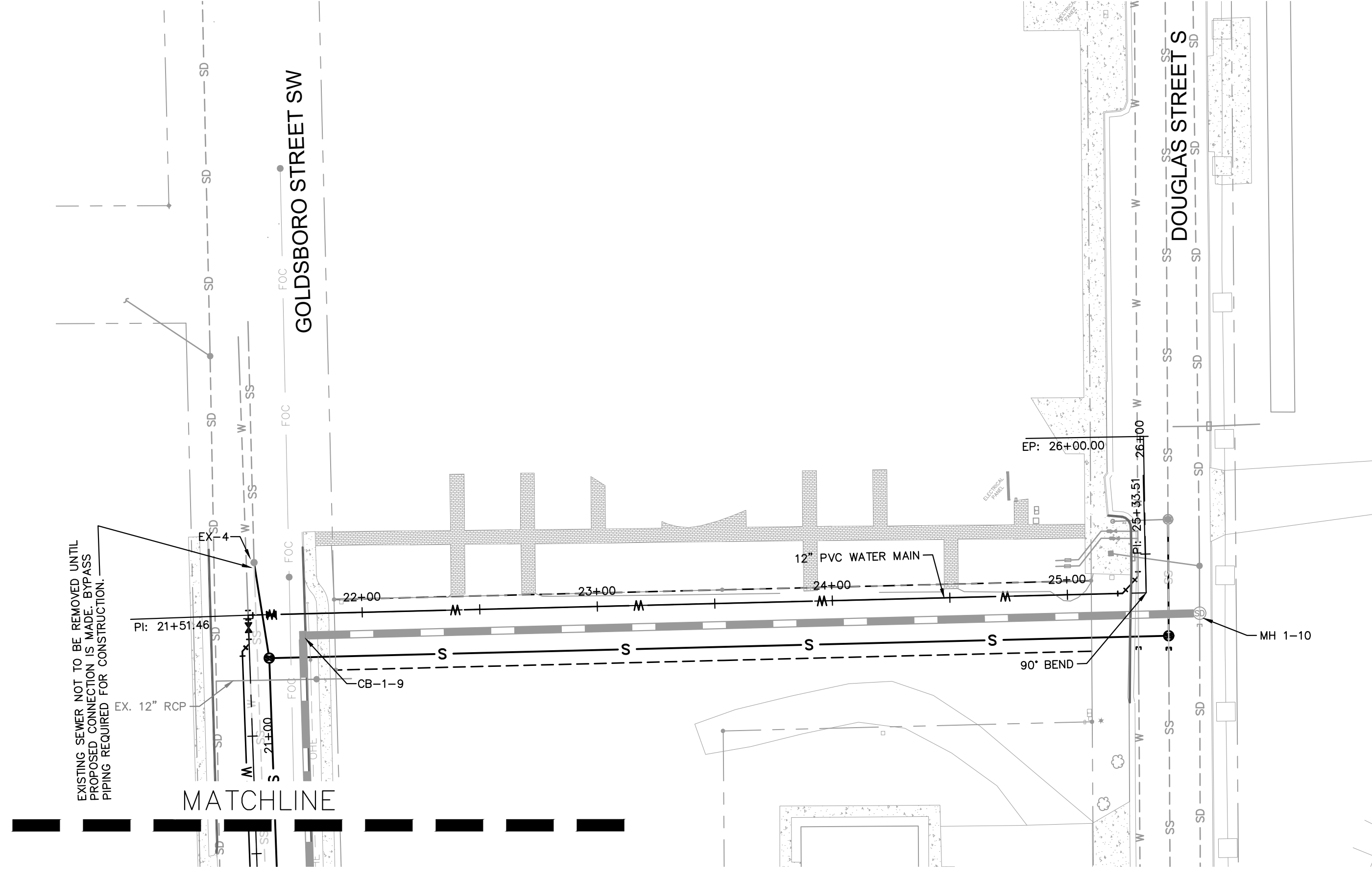
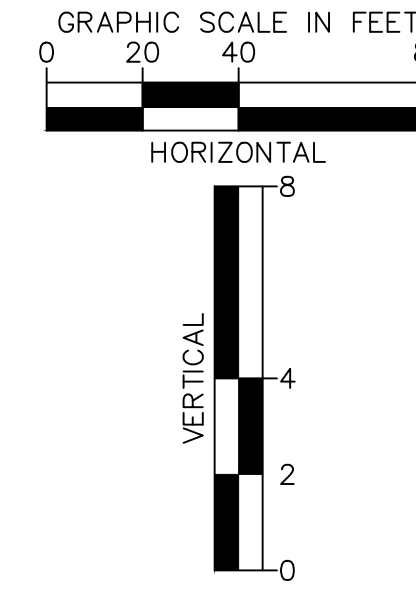
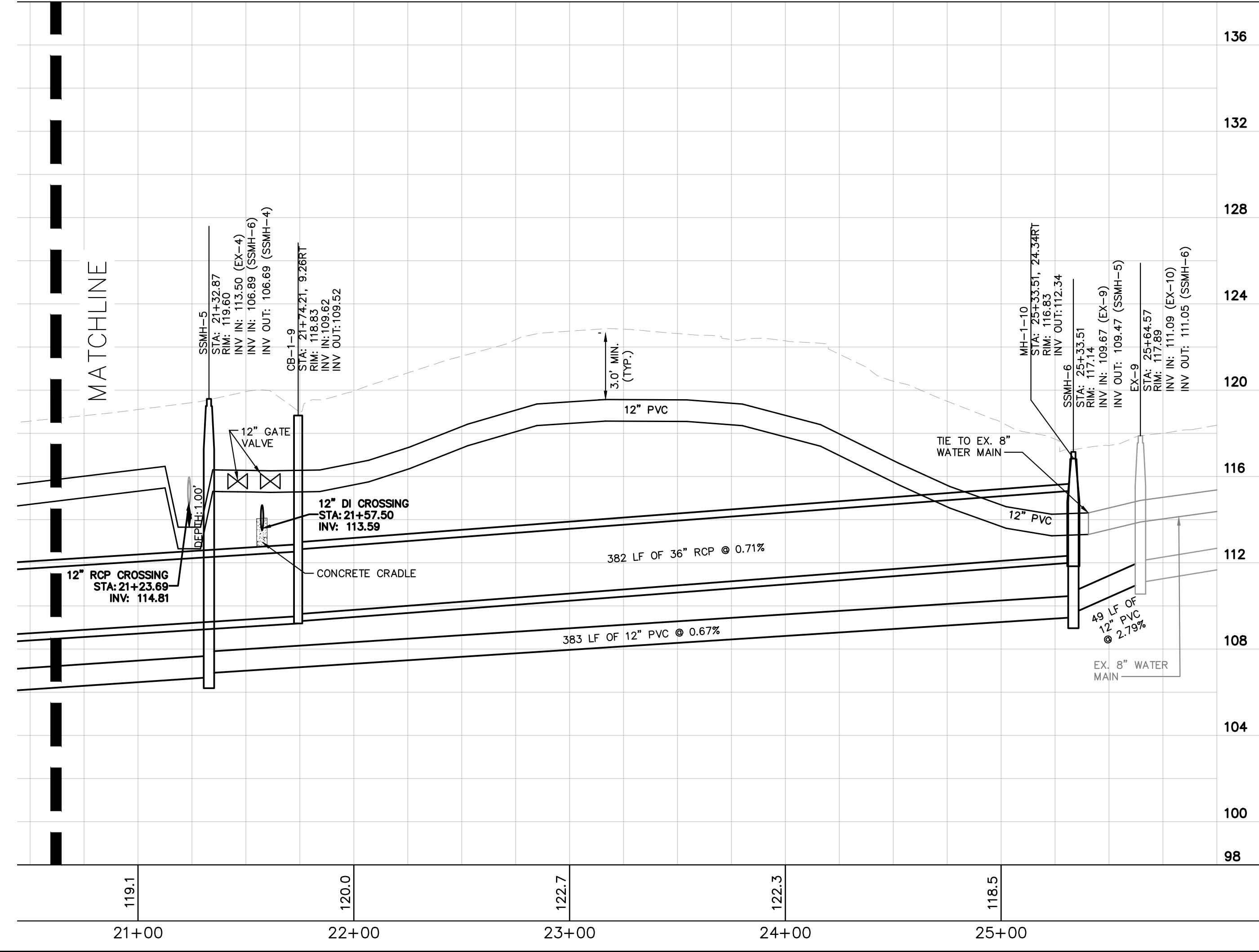


**WILSON BALLPARK
 UTILITIES EXPANSION
 PREPARED FOR
 CITY OF WILSON**

NORTH CAROLINA
 WILSON

SHEET NUMBER
C4.3

This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



Kimley & Horn

© 2024 KIMLEY-HORN AND ASSOCIATES, INC.
421 FAYETTEVILLE ST SUITE 600, RALEIGH, NC 27601
PHONE: (919) 677-2000
WWW.KIMLEY-HORN.COM

NO. _____

DATE _____

REVISIONS _____

BY _____

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

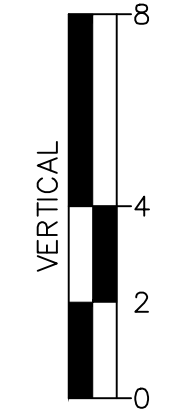
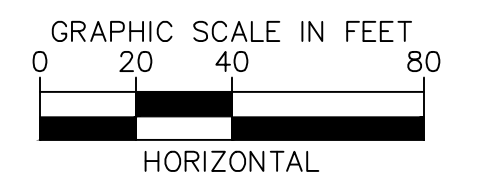
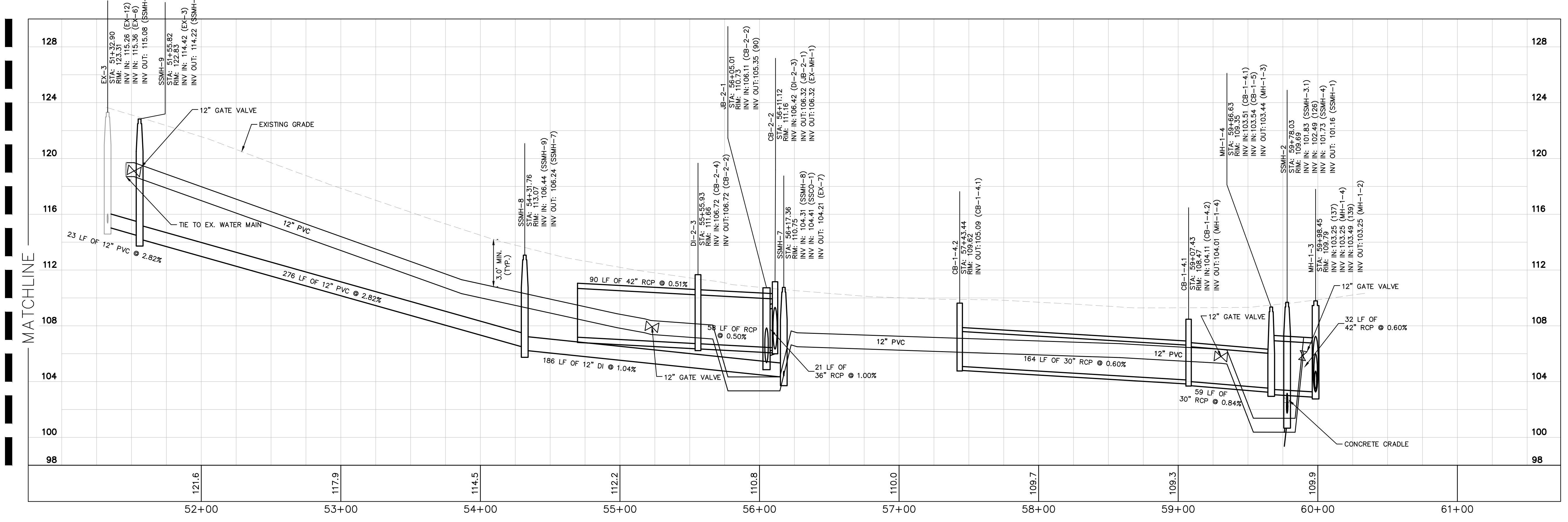
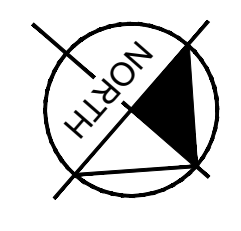
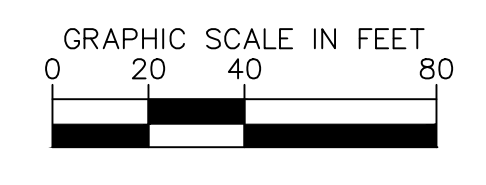
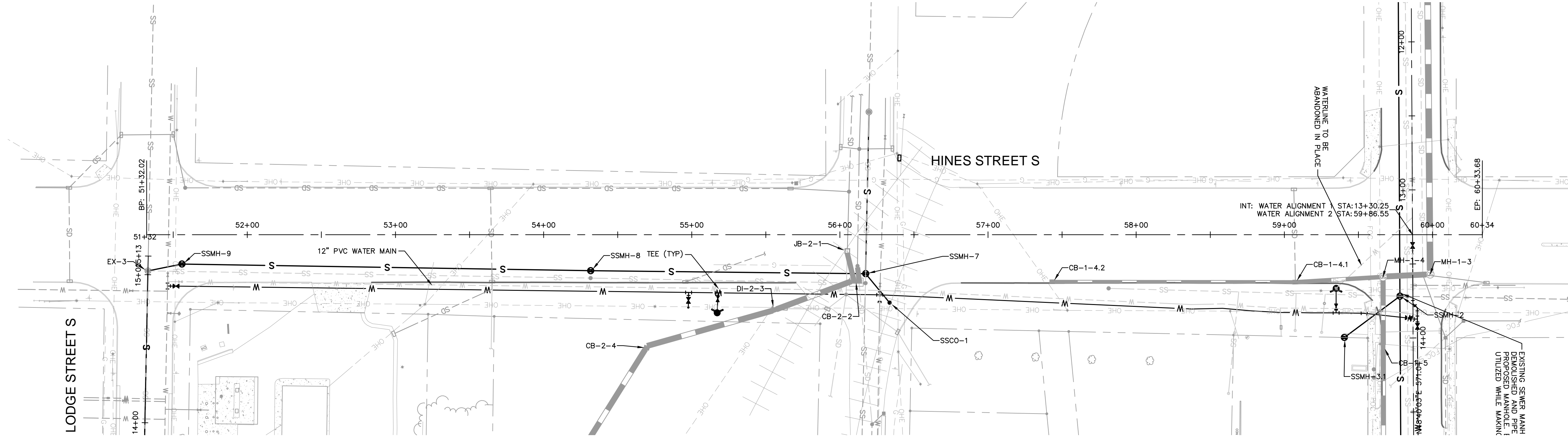
UTILITY PROFILES

WILSON BALLPARK
UTILITIES EXPANSION
PREPARED FOR
CITY OF WILSON
NORTH CAROLINA

WILSON

SHEET NUMBER
C4.4

This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



No.	REVISIONS	DATE	BY

Kimley & Horn
 © 2024 KIMLEY-HORN AND ASSOCIATES, INC.
 421 FAYETTEVILLE ST SUITE 600, RALEIGH, NC 27601
 PHONE: (919) 677-2000
 WWW.KIMLEY-HORN.COM



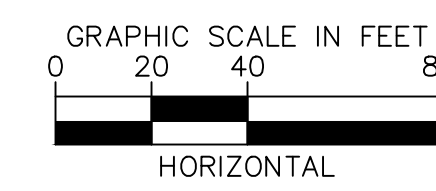
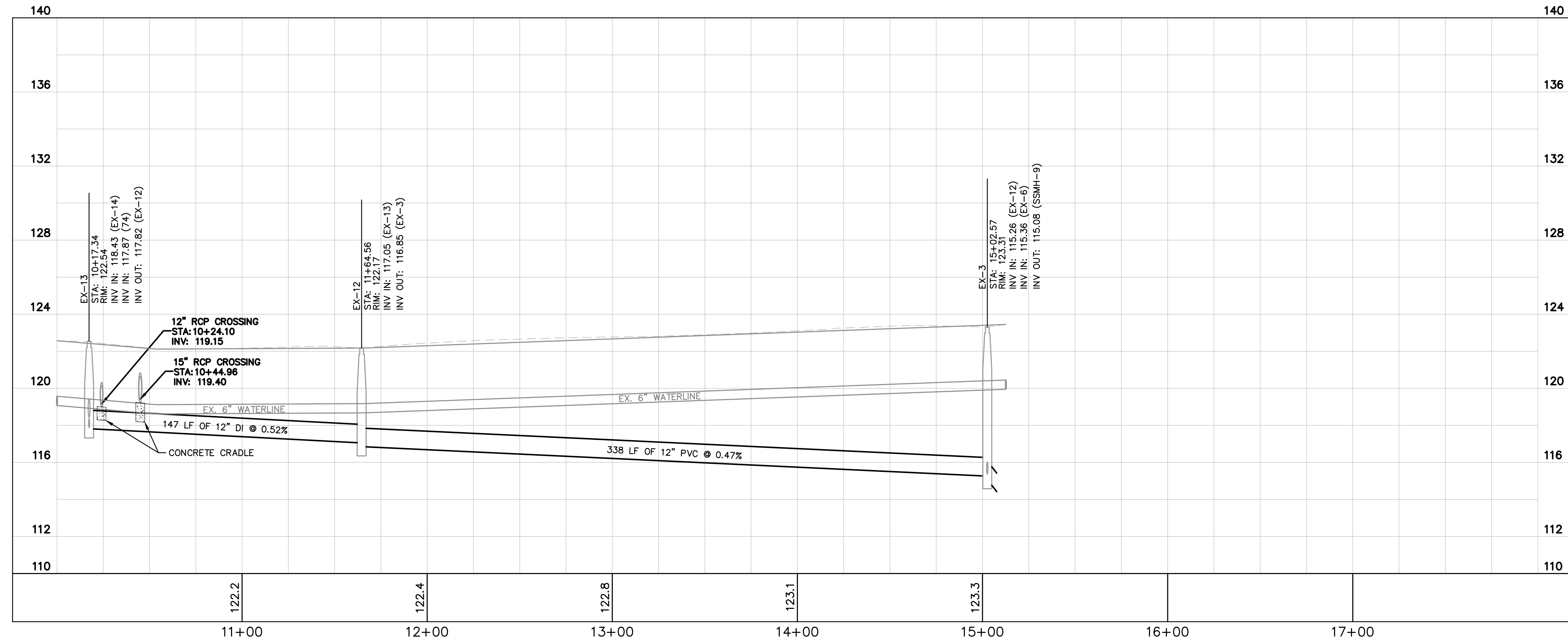
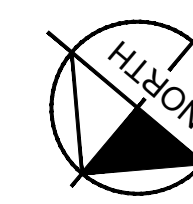
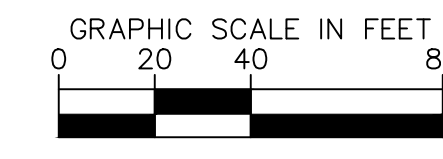
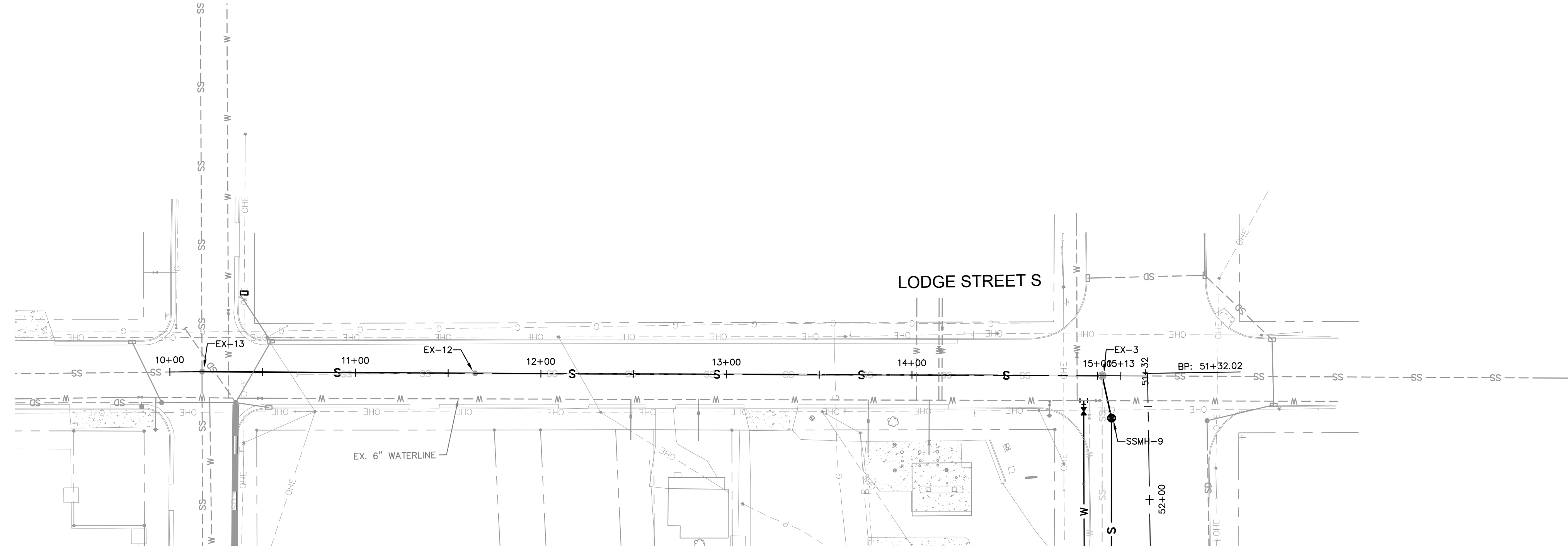
KHA PROJECT	268255002
DATE	01/26/2024
SCALE	AS SHOWN
DESIGNED BY:	SRH
DRAWN BY:	SRH
CHECKED BY:	TRC

UTILITY PROFILES

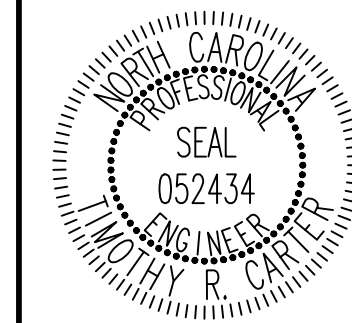
WILSON BALLPARK UTILITIES EXPANSION
 PREPARED FOR
CITY OF WILSON
 NORTH CAROLINA
 WILSON

SHEET NUMBER
C4.5

This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



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



UTILITY PROFILES

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

NORTH CAROLINA

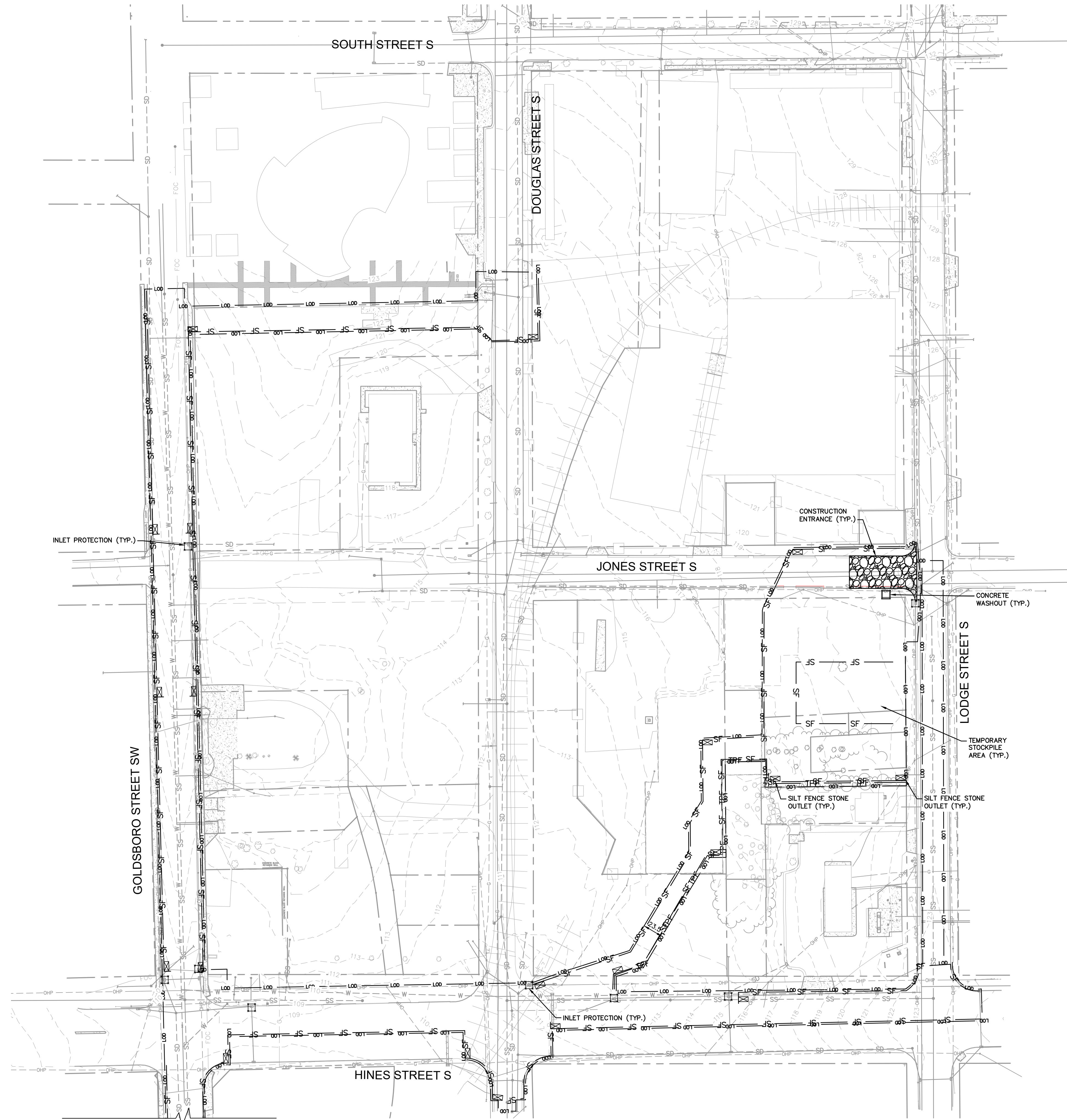
WILSON

SHEET NUMBER
C4.6

REVISIONS	No.	DATE	BY

Kimley >>> Horn
© 2024 KIMLEY-HORN AND ASSOCIATES, INC.
421 FAYETTEVILLE ST SUITE 600, RALEIGH, NC 27601
PHONE: (919) 677-2000
WWW.KIMLEY-HORN.COM

This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



SEE "INSET A" THIS SHEET

LEGEND

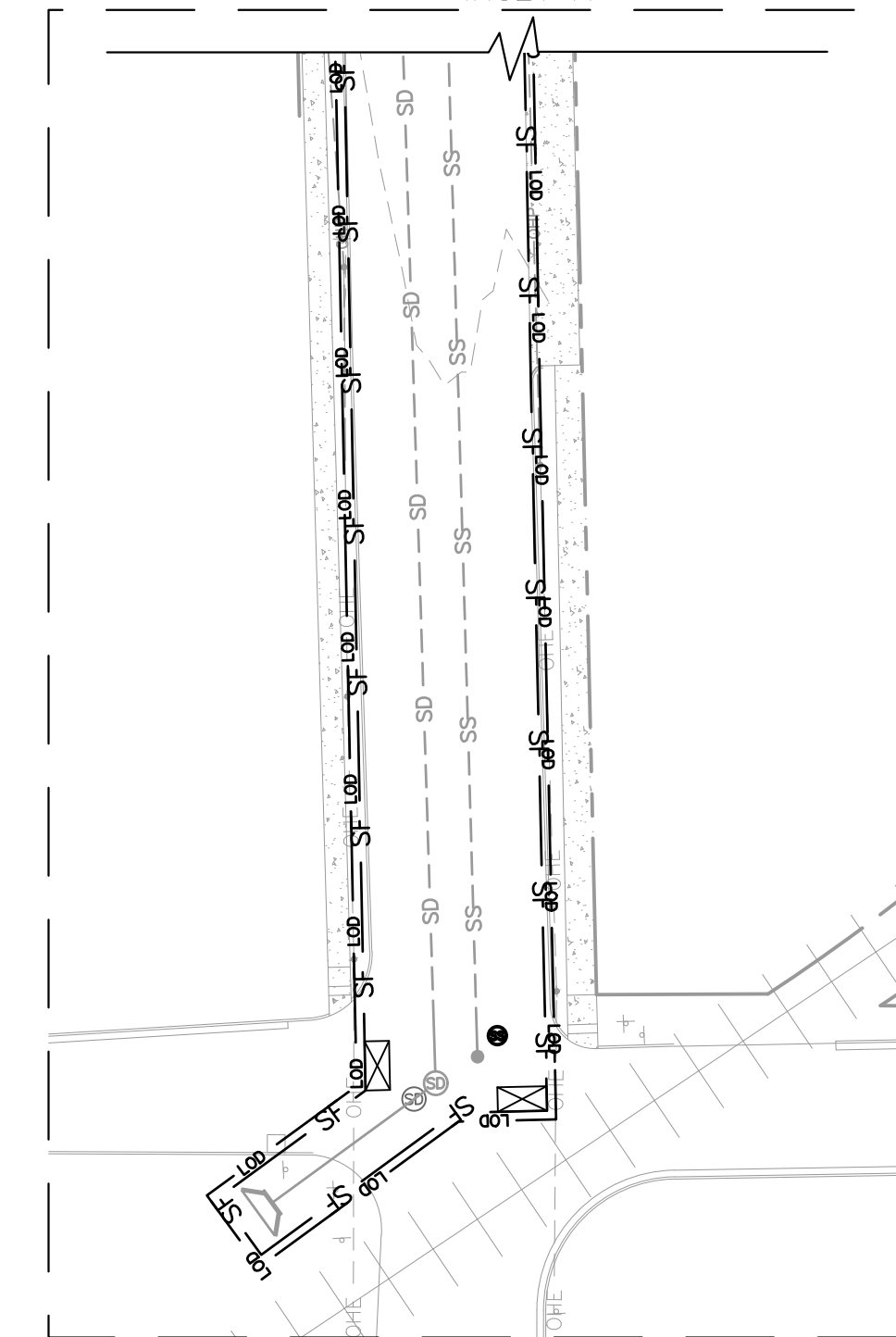
- PROPERTY LINE
- ADJACENT PROPERTY LINE
- EASEMENT/SETBACK
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING STORM DRAINAGE LINE
- SILT FENCE
- LIMITS OF DISTURBANCE
- INLET PROTECTION
- CONSTRUCTION ENTRANCE
- TREE PROTECTION FENCE
- CONCRETE WASHOUT AREA

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.



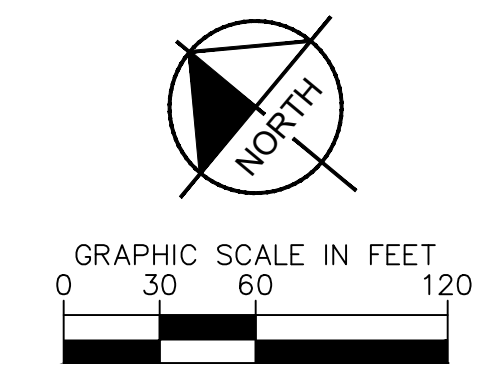
ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL CITY OF WILSON AND/OR NCDOT STANDARDS AND SPECIFICATIONS.

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 AC

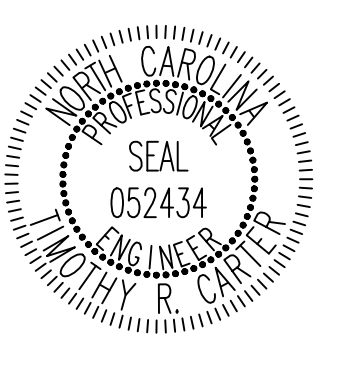


Know what's below.
 Call before you dig.



No.	REVISIONS	DATE	BY

Kimley & Horn
 © 2024 KIMLEY-HORN AND ASSOCIATES, INC.
 421 FAYETTEVILLE SUITE 600, RALEIGH, NC 27601
 PHONE: (919) 677-2000
 WWW.KIMLEY-HORN.COM



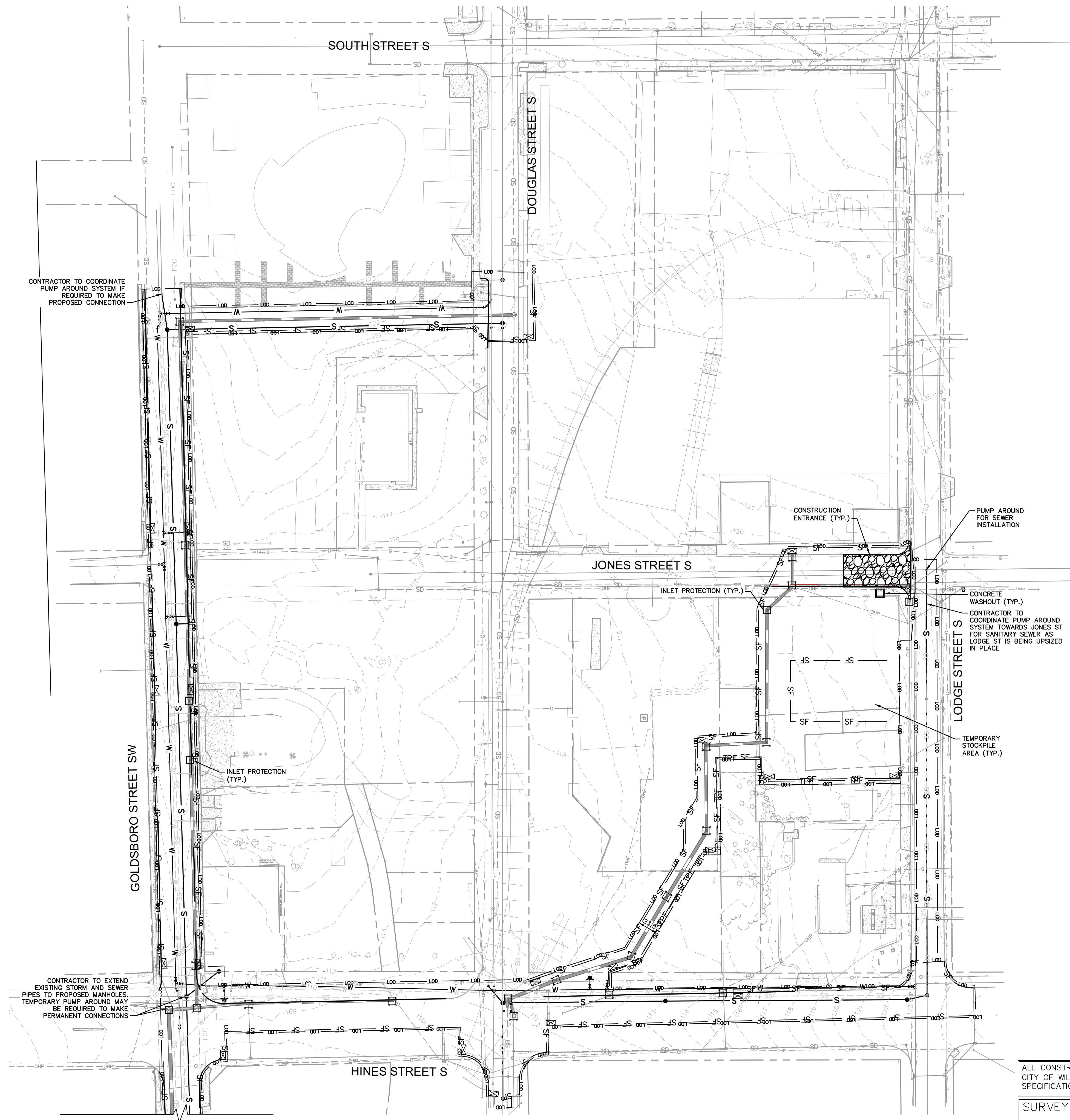
KHA PROJECT 268255002	DATE 01/26/2024	SCALE AS SHOWN	DESIGNED BY SRH	SRH	TRC
DRAWN BY:			CHECKED BY:		

EROSION AND SEDIMENTATION CONTROL PLAN - PHASE 1

WILSON BALLPARK UTILITIES EXPANSION PREPARED FOR CITY OF WILSON

WILSON NORTH CAROLINA
 SHEET NUMBER
C5.0

This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



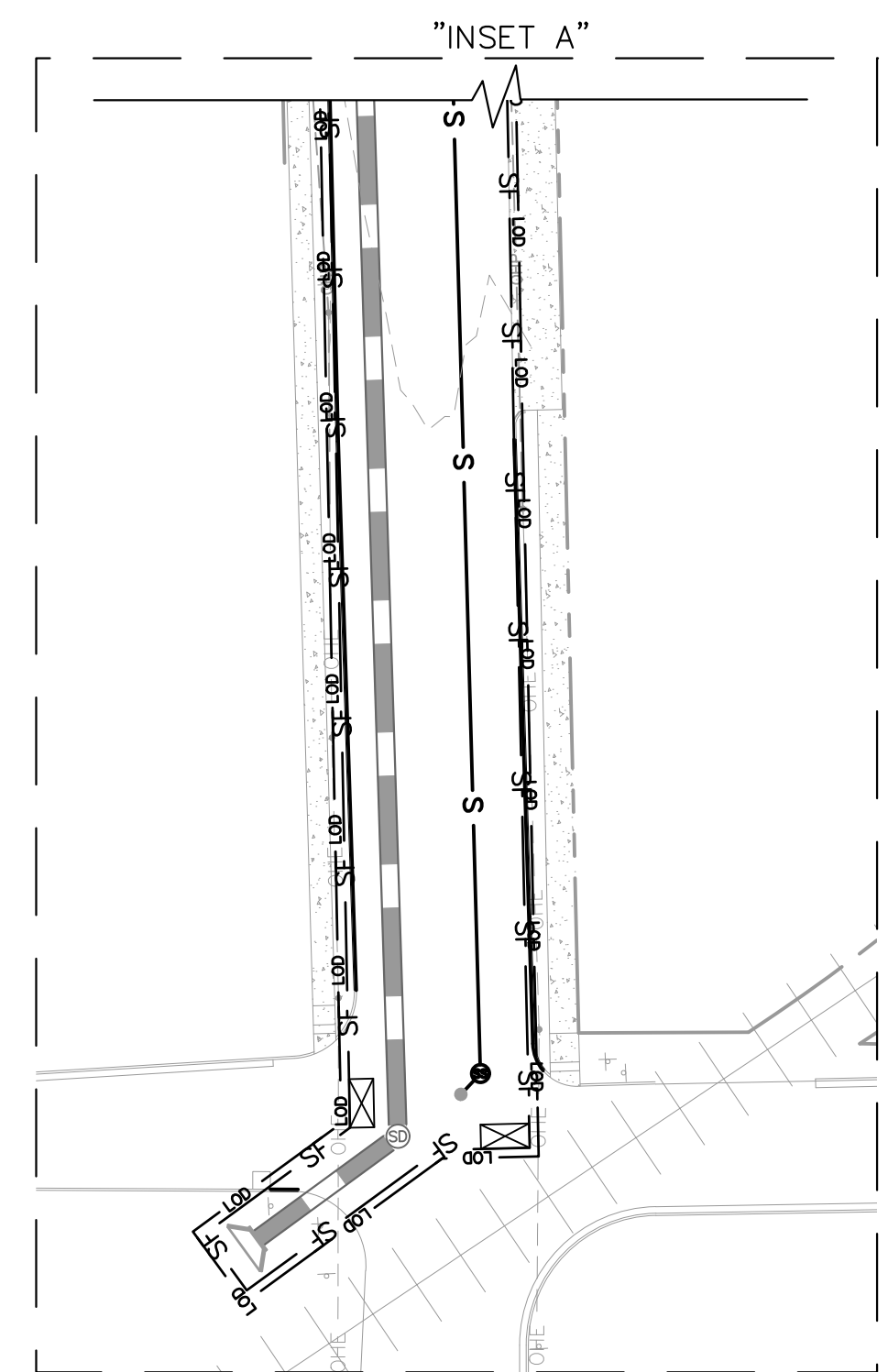
SEE "INSET A" THIS SHEET

LIMITS OF DISTURBANCE: 4.38 AC

LEGEND	
	PROPERTY LINE
	ADJACENT PROPERTY LINE
	EASEMENT/SETBACK
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	EXISTING STORM DRAINAGE LINE
	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 DISSEPARATORS 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 NCDENR 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 NCDENR-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 NCDENR-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 NCDENR-LAND QUALITY INSPECTOR. ADDITIONAL INFORMATION MAY BE REQUIRED BY LAND QUALITY ENGINEER BEFORE PLAN APPROVAL IS ISSUED.



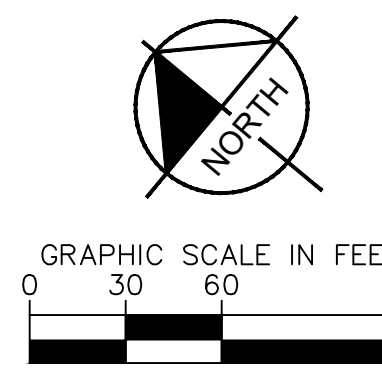
ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL CITY OF WILSON AND/OR NCDOT STANDARDS AND SPECIFICATIONS.

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.



Know what's below.
Call before you dig.



NO.	REVISIONS	DATE	BY

Kimley-Horn
 © 2024 KIMLEY-HORN AND ASSOCIATES, INC.
 421 FAYETTEVILLE ST SUITE 600, RALEIGH, NC 27601
 PHONE: (919) 677-2000
 WWW.KIMLEY-HORN.COM



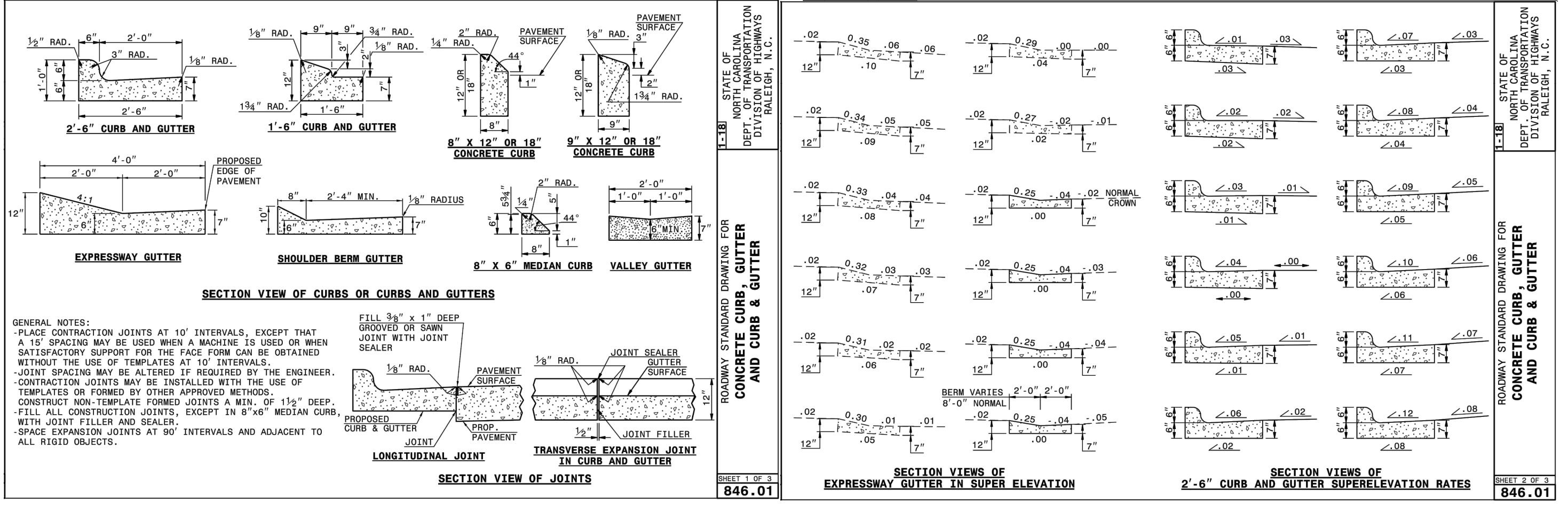
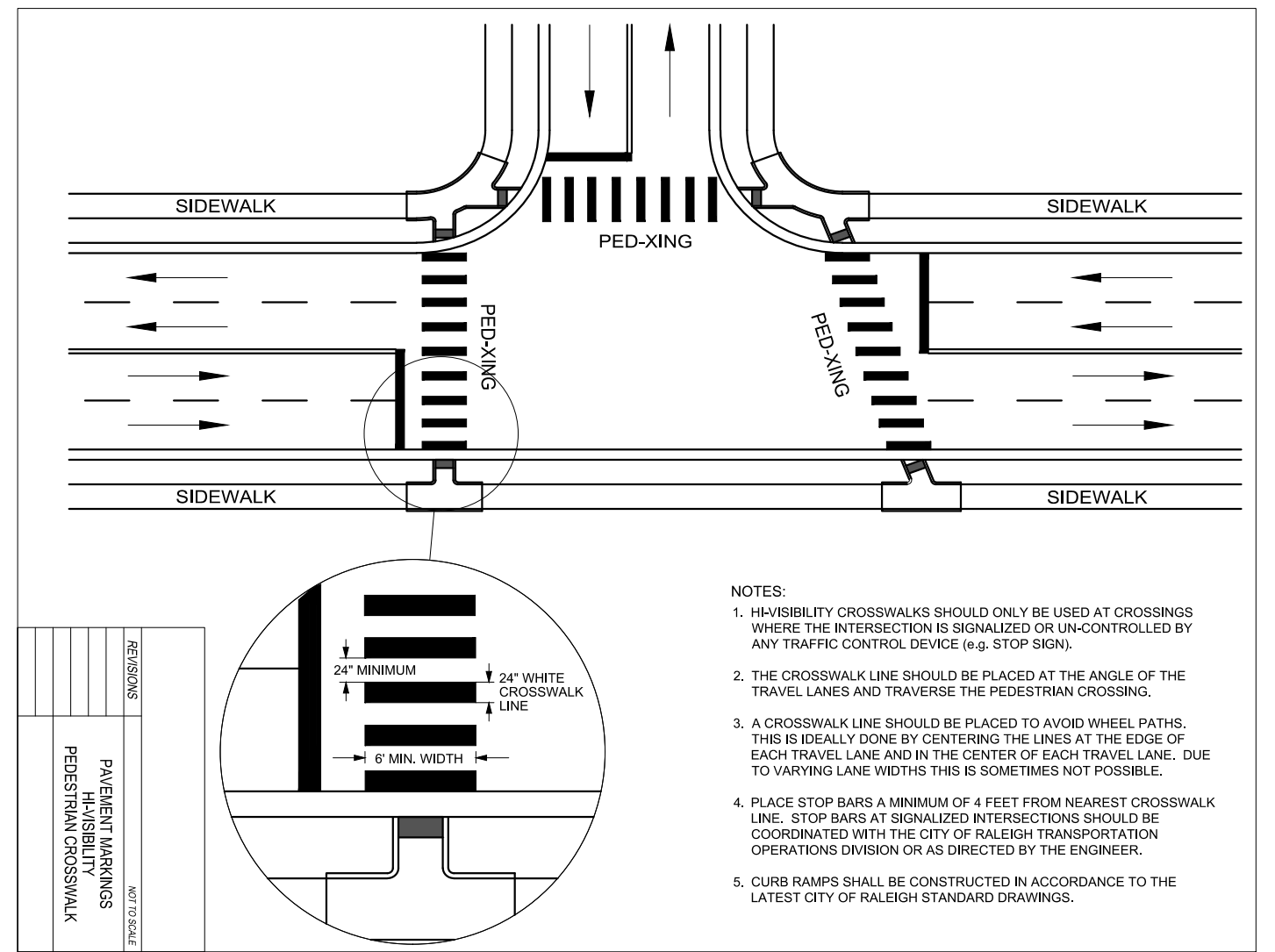
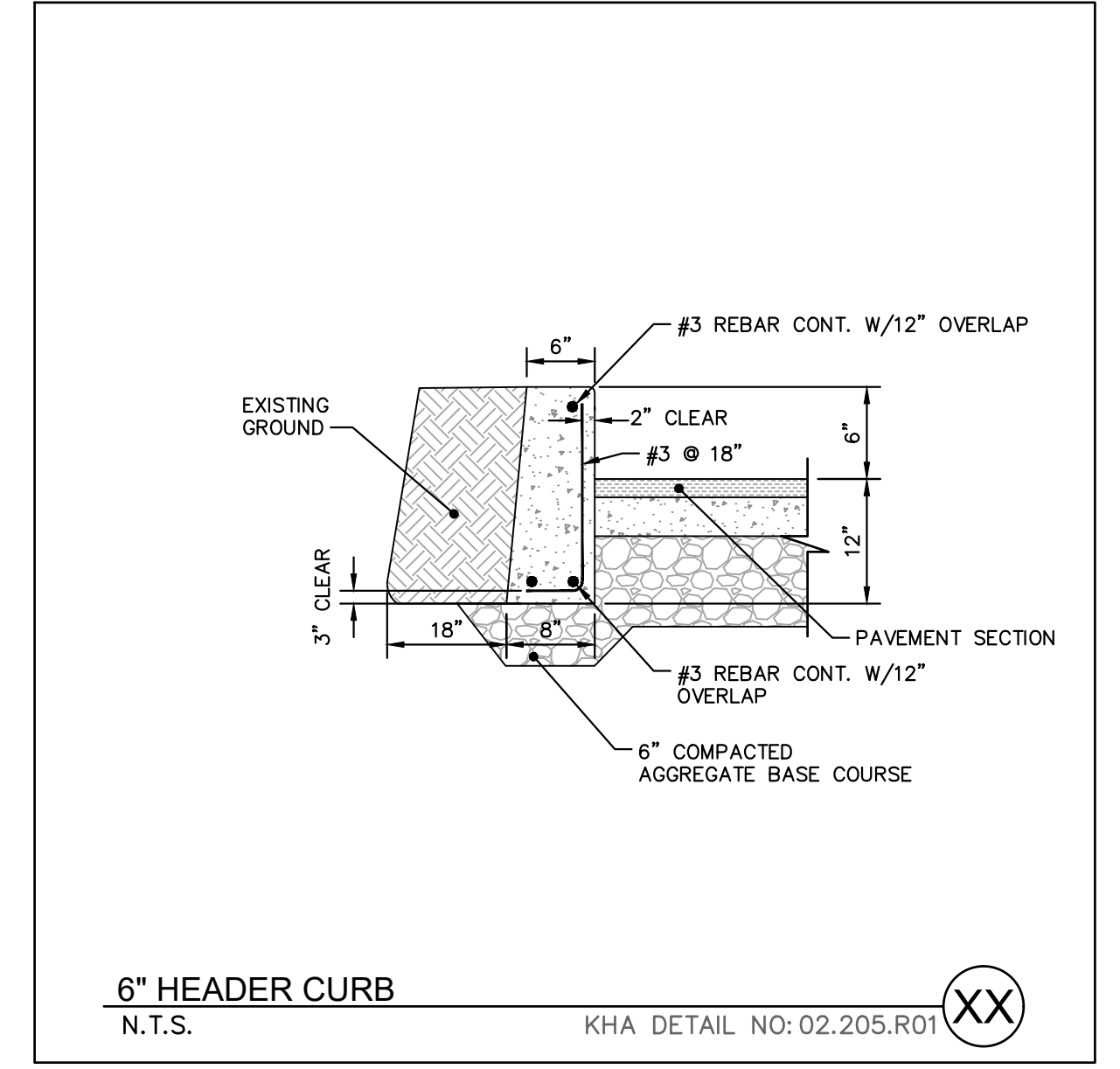
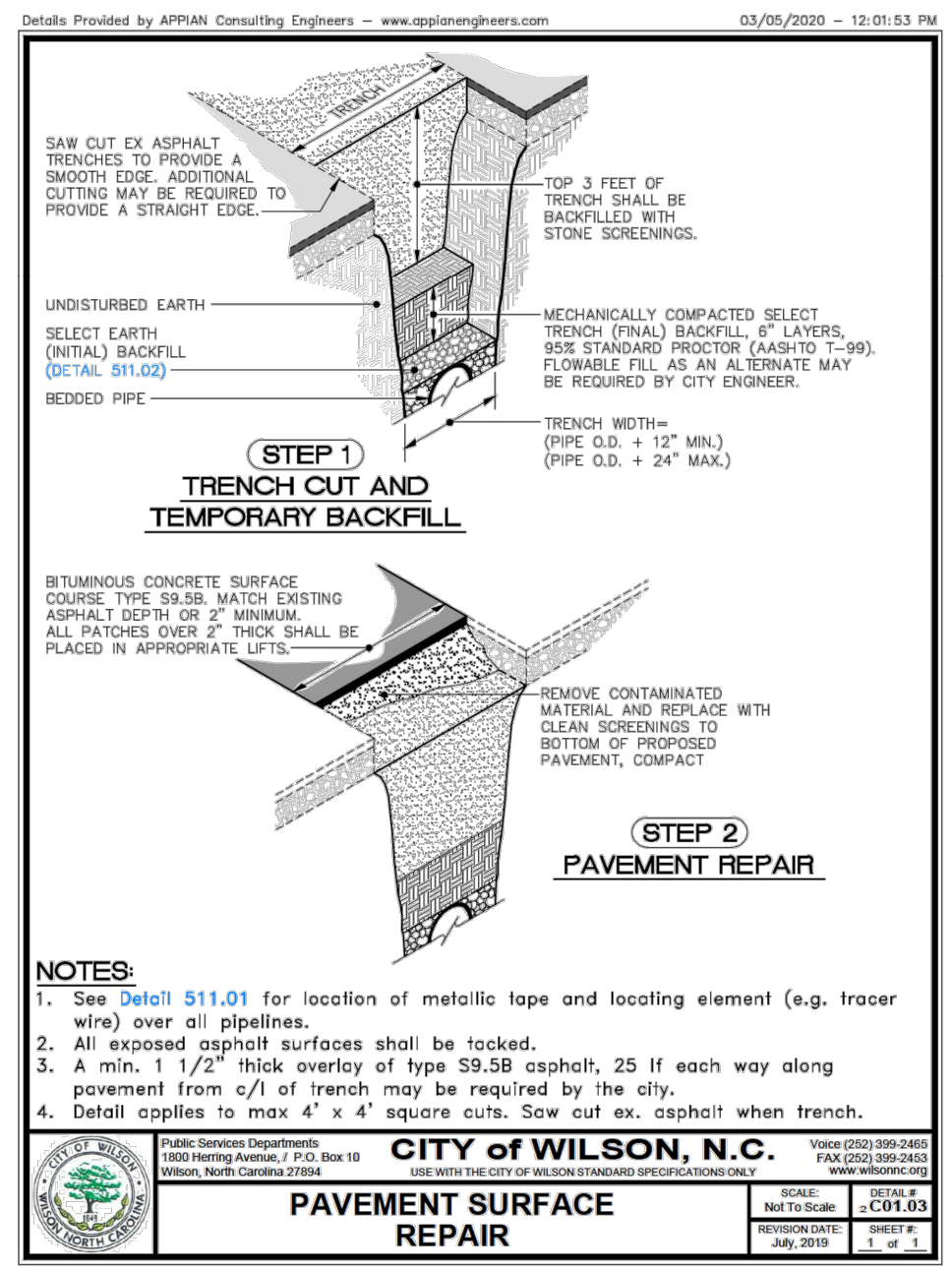
KHA PROJECT	268255002
DATE	01/26/2024
SCALE	AS SHOWN
DESIGNED BY:	SRH
DRAWN BY:	SRH
CHECKED BY:	TRC

EROSION AND SEDIMENTATION CONTROL PLAN - PHASE 2

WILSON BALLPARK UTILITIES EXPANSION PREPARED FOR CITY OF WILSON NORTH CAROLINA

SHEET NUMBER **C5.1**

This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



No.	REVISIONS	DATE	BY

Kimley-Horn

© 2024 KIMLEY-HORN AND ASSOCIATES, INC.
421 FAYETTEVILLE ST SUITE 600, RALEIGH, NC 27601
PHONE: (919) 677-2000
WWW.KIMLEY-HORN.COM



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

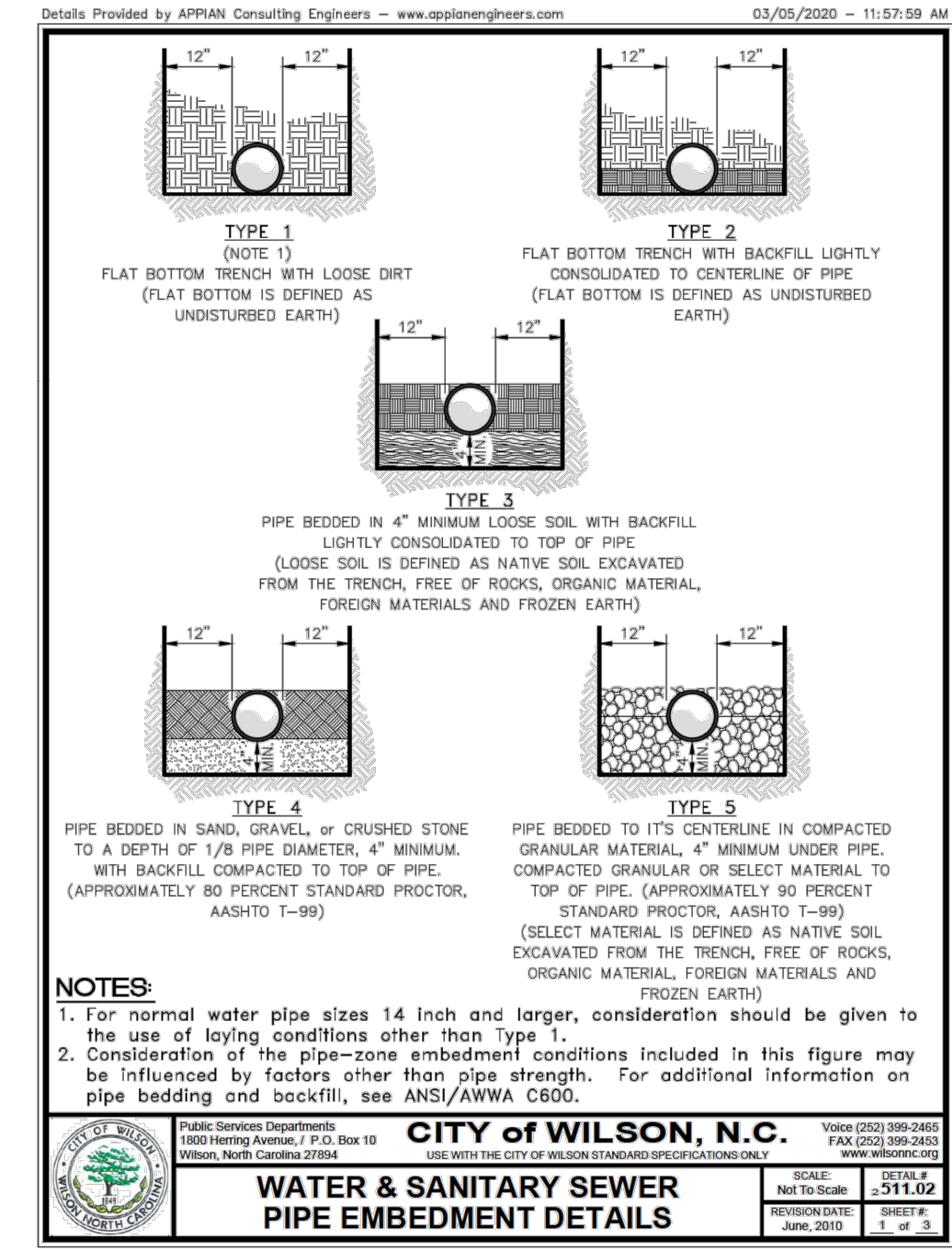
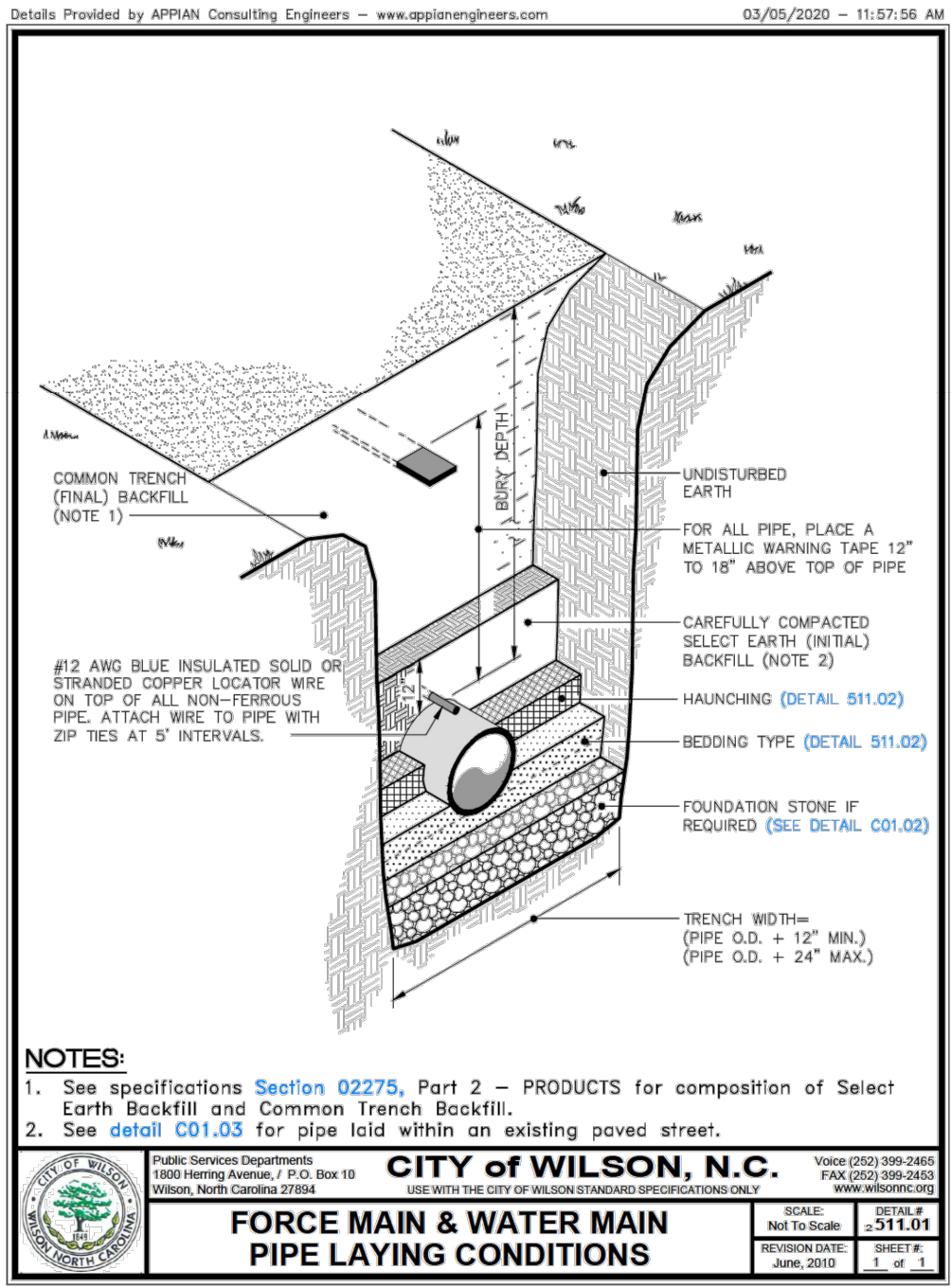
SITE DETAILS

WILSON BALLPARK UTILITIES EXPANSION PREPARED FOR CITY OF WILSON

WILSON NORTH CAROLINA

SHEET NUMBER **C6.0**

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



CITY OF WILSON, N.C.

WATER & SANITARY SEWER PIPE EMBEDMENT DETAILS

TABLE 10.7 - DESCRIPTION OF MATERIAL CLASSIFICATION (As Defined in ASTM D2237)

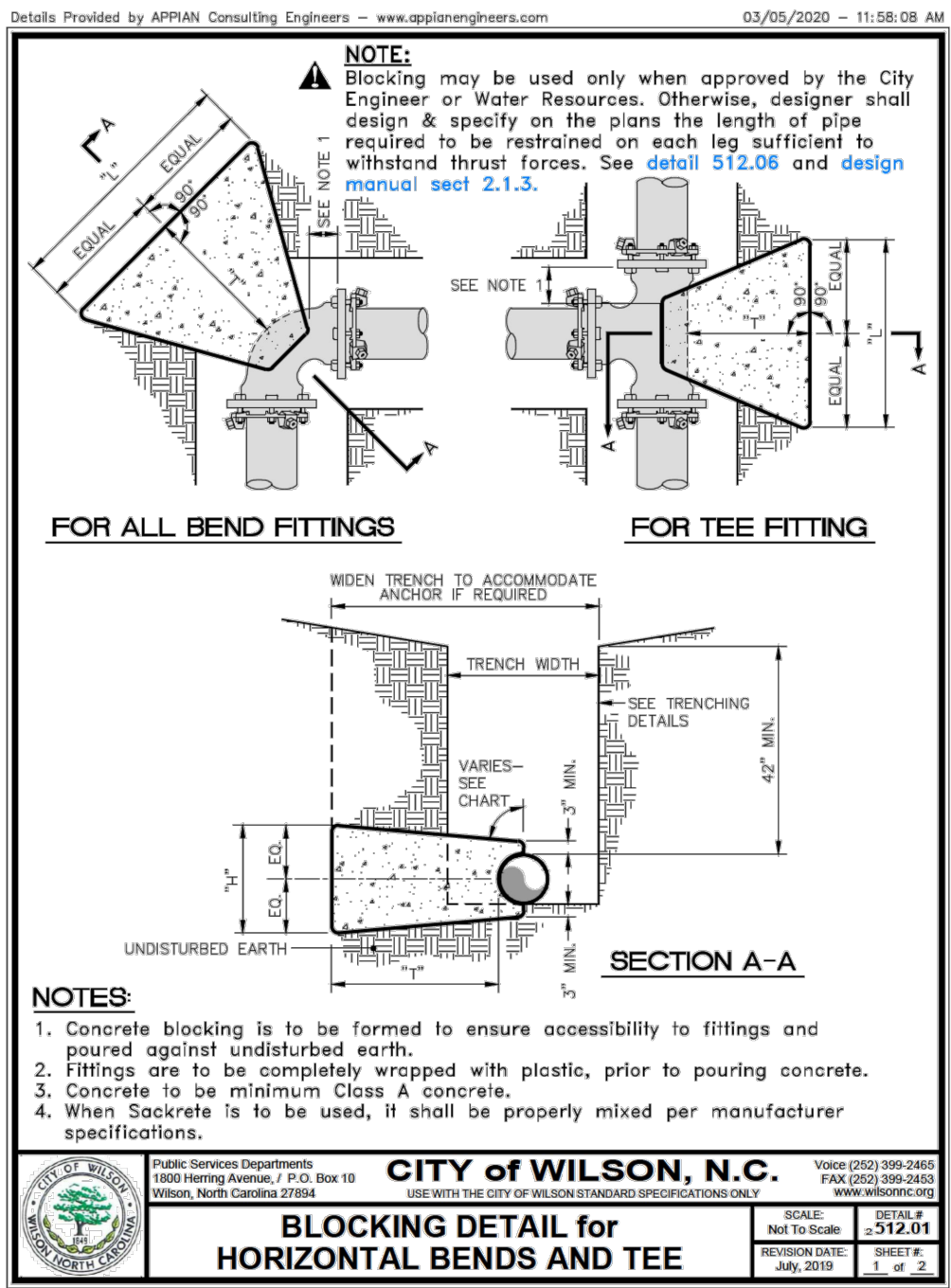
Class	Type	Soil Symbol	Description ASTM D 2487	Percentage Finer than 75 μm (No. 200) (D ₇₅) (%)	Percentage Finer than 4.75 mm (No. 40) (D ₄₀) (%)	LL	PL	Uniformity Coefficient	Curvature Co.
IA	Manufactured Aggregate from Synthetic Stone	None	Angular, washed stone or rock, crushed granular, clean, coarse sand, crushed glass, crushed brick, crushed shale, crushed slate, large void content, rounded, or no fines	100	100	<5	Non Plastic		
IB	Manufactured, Processed Aggregate, Dense Gravel, Clean	None	Angular, washed stone (or other Class A material) with voids selected to maximize migration of spent pipe cleaner fluid or no fines	100	100	<5	Non Plastic		
II	Coarse-Grained Soil, Sandstone	GW	Non-plastic granular soil with gravel-sand mixtures, little or no fines	100	<50%	<5	Non Plastic	14	1 to 3
	GP	Fourly-graded gravels and gravel-sand mixtures, little or no fines						48	<1 or 3
	GM	Well-graded sands and gravelly sands, little or no fines						36	1 to 3
	GC	Fourly-graded sands and gravelly sands, little or no fines						48	<1 or 3
III	Coarse-Grained Soil, Sandstone	GM-SC, SP-SM	Sands and gravels which are bordering between class GW and GM	100	Varies	5% to 12%	Non Plastic		Same as for GW, GP, SM and SP
IV	Coarse-Grained Soil with Fines	GM	Silty gravels, gravel-sand-silt mixtures	100	>50%	<60%		<4	<4
	GC	Clayey gravels, gravel-sand-clay mixtures						<2	<2
	GM	Silty sands, sand-silt mixtures						<4	<4
	GC	Clayey sands, sand-silt mixtures						<2	<2
IV	Fine-Grained Soils (Organic)	ML	Homogeneous silty and clayey fine sands, silt, clay, lean clay	100	100	>60	<50	<4	<4
	OL	Organic silty and clayey fine sands, silt, clay, lean clay						<4	<4
IV	Fine-Grained Soils (Organic)	MH	Homogeneous silty and clayey silty sands, clayey silty sand, lean clay	100	100	>60	>60	<4	<4
	OH	Organic silty and clayey silty sands, clayey silty sand, lean clay						<4	<4
V	Organic Soils	UL	Organic silty and clayey silty sands of low plasticity	100	100	>60	<50	<4	<4
	OL	Organic silty and clayey silty sands of high plasticity						<4	<4
	UH	Highly Organic	Peat and other high organic soils					<4	<4

CITY OF WILSON, N.C.

WATER & SANITARY SEWER PIPE EMBEDMENT DETAILS

TABLE 10.8
RECOMMENDATIONS FOR INSTALLATION AND USE OF SOILS AND AGGREGATES FOR FOUNDATION, EMBEDEDMENT AND BACKFILL

CLASS	CLASS I	CLASS II	CLASS III	CLASS IV	
General Recommendations and Restrictions	Do not use where conditions may cause migration of fines from adjacent soil and backfill to adjacent materials. Subgrade or use as drainage blanket where adjacent material is highly plastic.	Process materials as required to obtain gradation which will permit migration. Subgrade or use as drainage blanket where adjacent material is highly plastic.	Where hydraulic gradient exists across granular, but granular suitable for use as drainage blanket and underdrain.	Do not use where water conditions in trench may cause instability.	Obtain geotechnical report of proposed material. May not be suitable under high water table. Do not use where water conditions in trench may cause instability.
Foundation	Substrate on foundation and for retaining non-encased pipe. Work is compacted as restricted above. Install and compact in 6"-8" maximum layers.	Substrate on foundation and for retaining non-encased pipe. Work is compacted as restricted above. Install and compact in 6"-8" maximum layers.	Substrate on foundation and for retaining non-encased pipe. Work is compacted as restricted above. Install and compact in 6"-8" maximum layers.	Substrate on foundation and for retaining non-encased pipe. Work is compacted as restricted above. Install and compact in 6"-8" maximum layers.	Substrate on foundation and for retaining non-encased pipe. Work is compacted as restricted above. Install and compact in 6"-8" maximum layers.
Bedding	Substrate on restricted above. Install in 6"-8" maximum layers. Level final grade by hand. Minimum depth 4" (6" in rock soil).	Substrate on restricted above. Install and compact in 6"-8" maximum layers. Level final grade by hand. Minimum depth 4" (6" in rock soil).	Substrate on restricted above. Install and compact in 6"-8" maximum layers. Level final grade by hand. Minimum depth 4" (6" in rock soil).	Substrate on restricted above. Install and compact in 6"-8" maximum layers. Level final grade by hand. Minimum depth 4" (6" in rock soil).	Substrate on restricted above. Install and compact in 6"-8" maximum layers. Level final grade by hand. Minimum depth 4" (6" in rock soil).
Hauling	Substrate on restricted above. Install in 6"-8" maximum layers. Work is compacted as restricted above. Install and compact in 6"-8" maximum layers. Work is compacted as restricted above.	Substrate on restricted above. Install and compact in 6"-8" maximum layers. Work is compacted as restricted above. Install and compact in 6"-8" maximum layers. Work is compacted as restricted above.	Substrate on restricted above. Install and compact in 6"-8" maximum layers. Work is compacted as restricted above. Install and compact in 6"-8" maximum layers. Work is compacted as restricted above.	Substrate on restricted above. Install and compact in 6"-8" maximum layers. Work is compacted as restricted above. Install and compact in 6"-8" maximum layers. Work is compacted as restricted above.	Substrate on restricted above. Install and compact in 6"-8" maximum layers. Work is compacted as restricted above. Install and compact in 6"-8" maximum layers. Work is compacted as restricted above.
Final Backfill	Substrate on restricted above. Install and compact to a minimum of 6" above pipe crown.	Substrate on restricted above. Install and compact to a minimum of 6" above pipe crown.	Substrate on restricted above. Install and compact to a minimum of 6" above pipe crown.	Substrate on restricted above. Install and compact to a minimum of 6" above pipe crown.	Substrate on restricted above. Install and compact to a minimum of 6" above pipe crown.



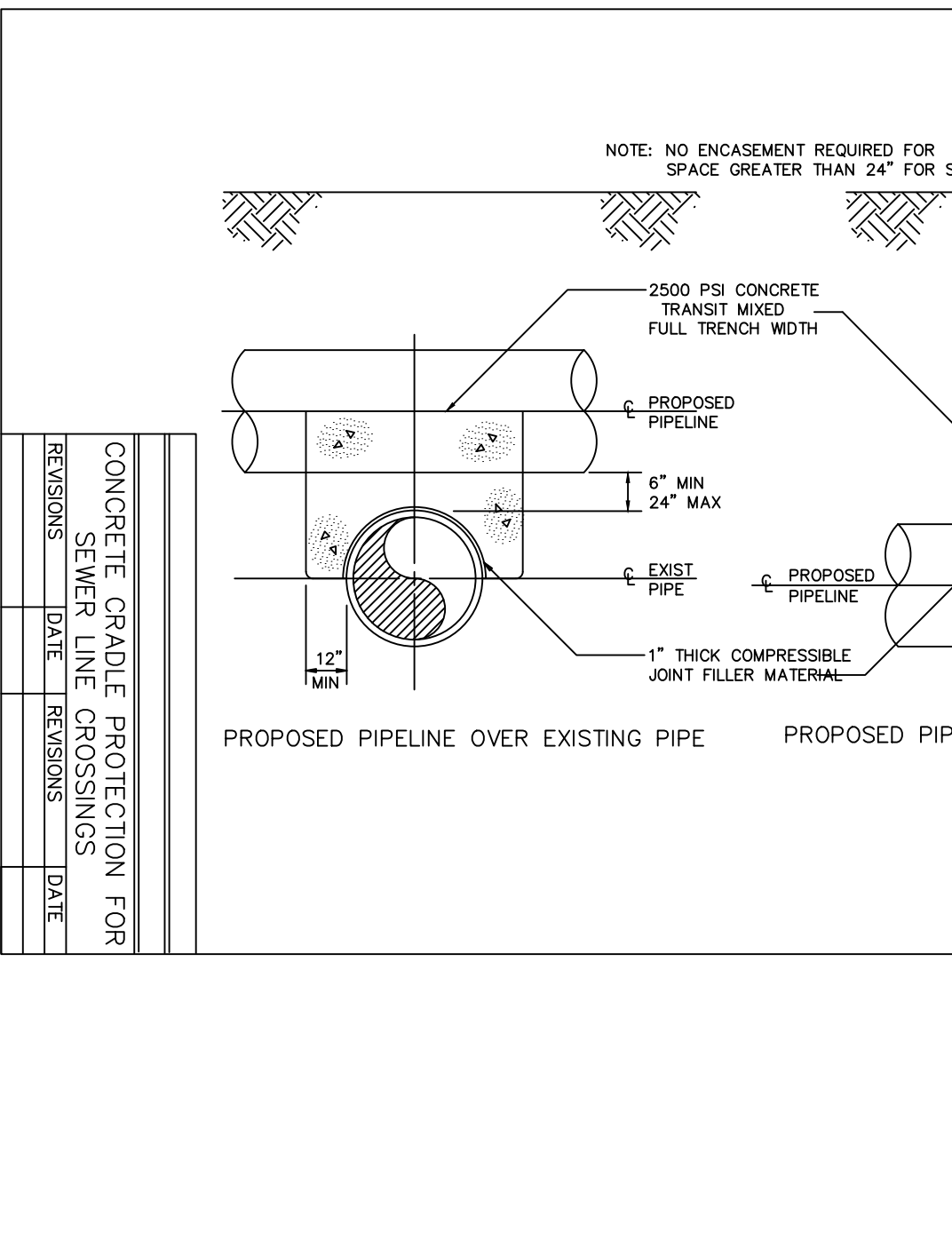
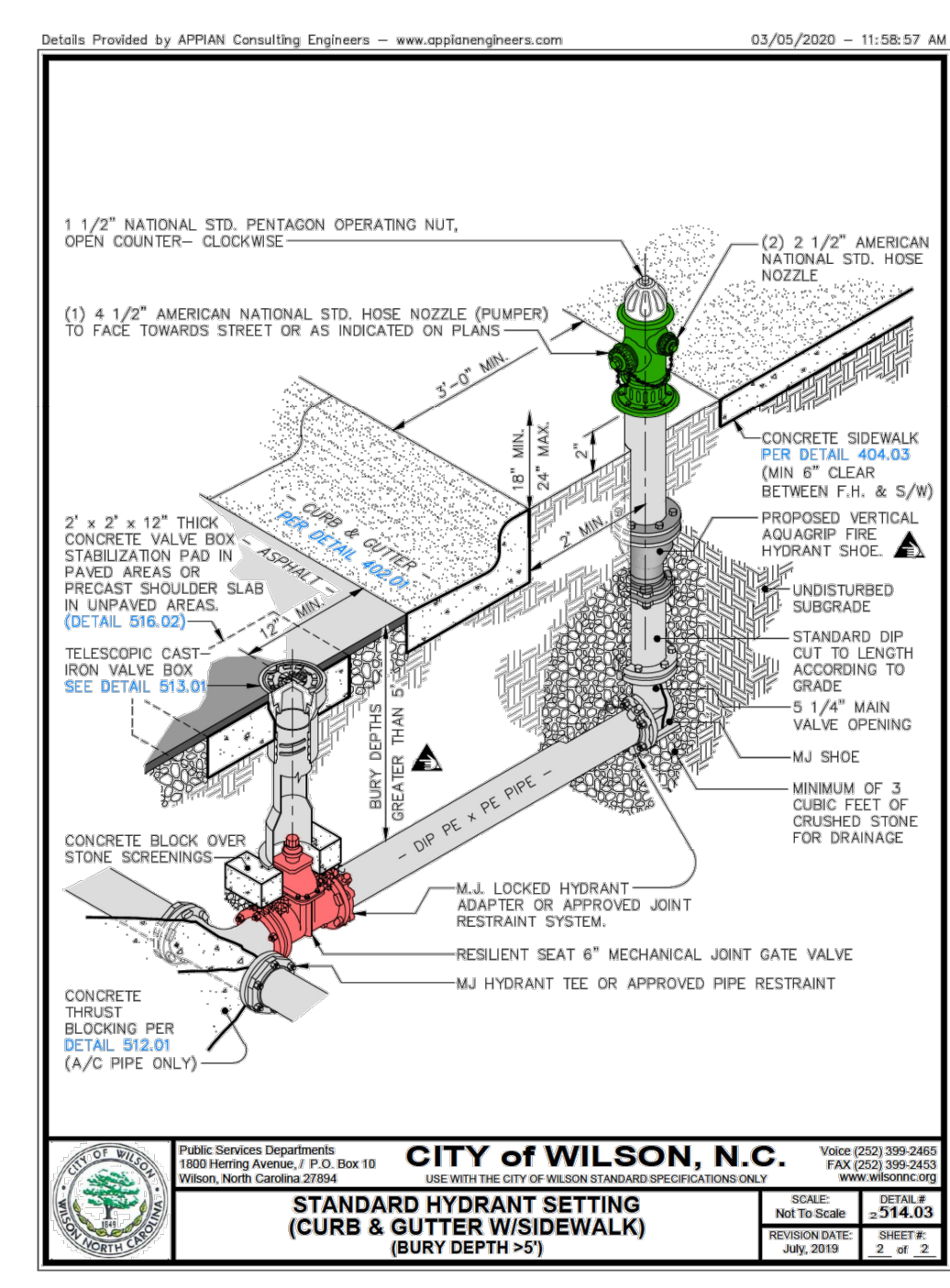
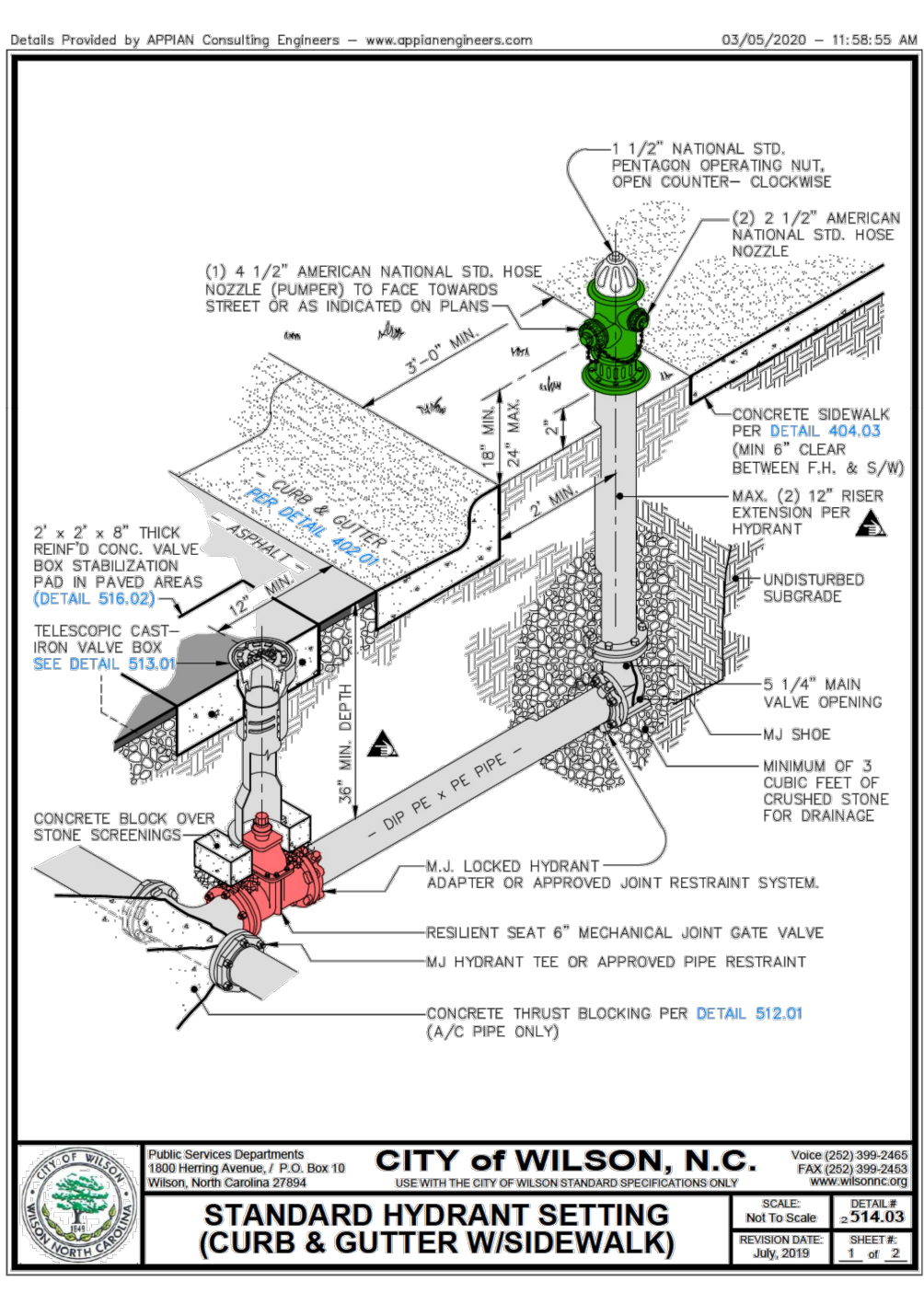
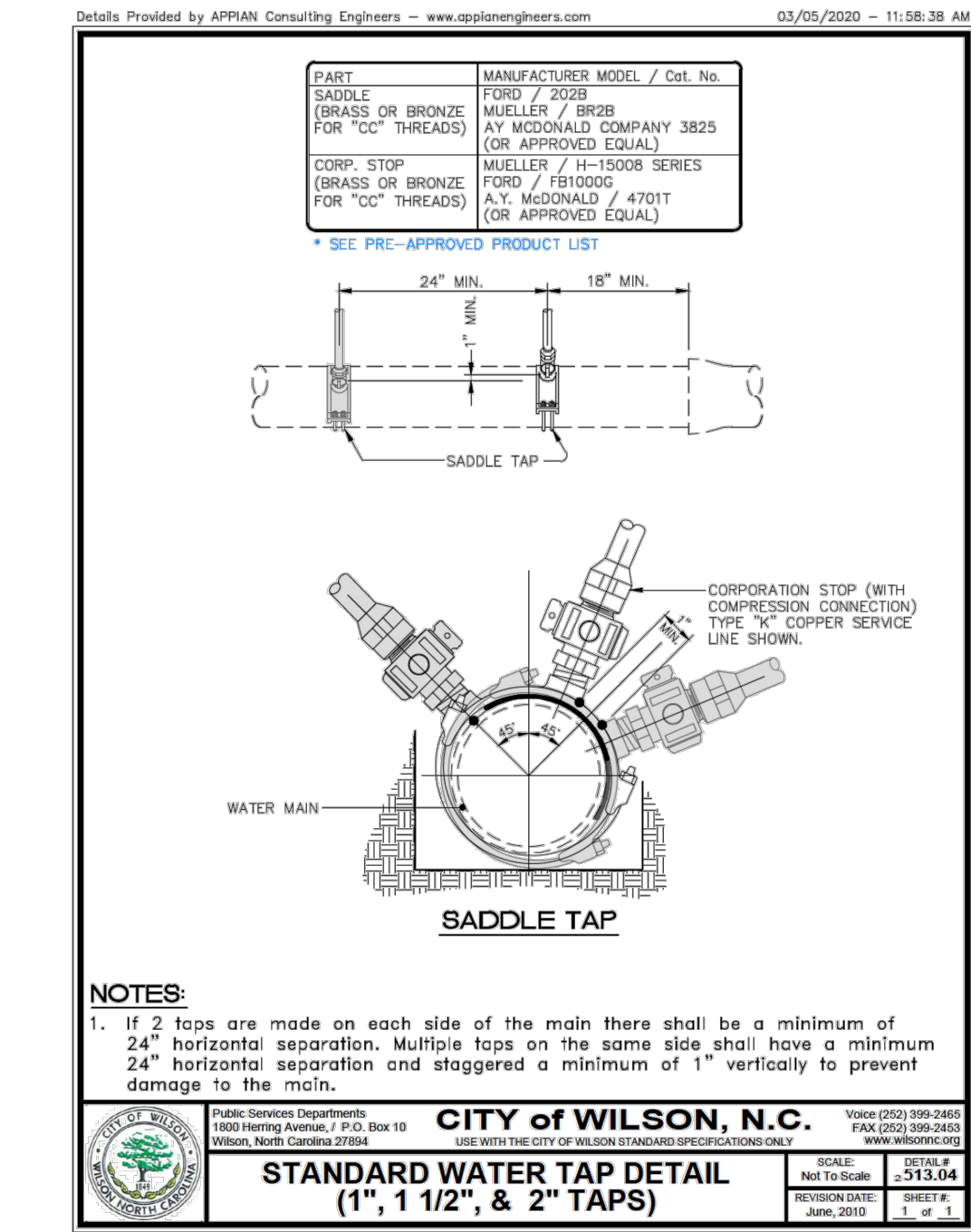
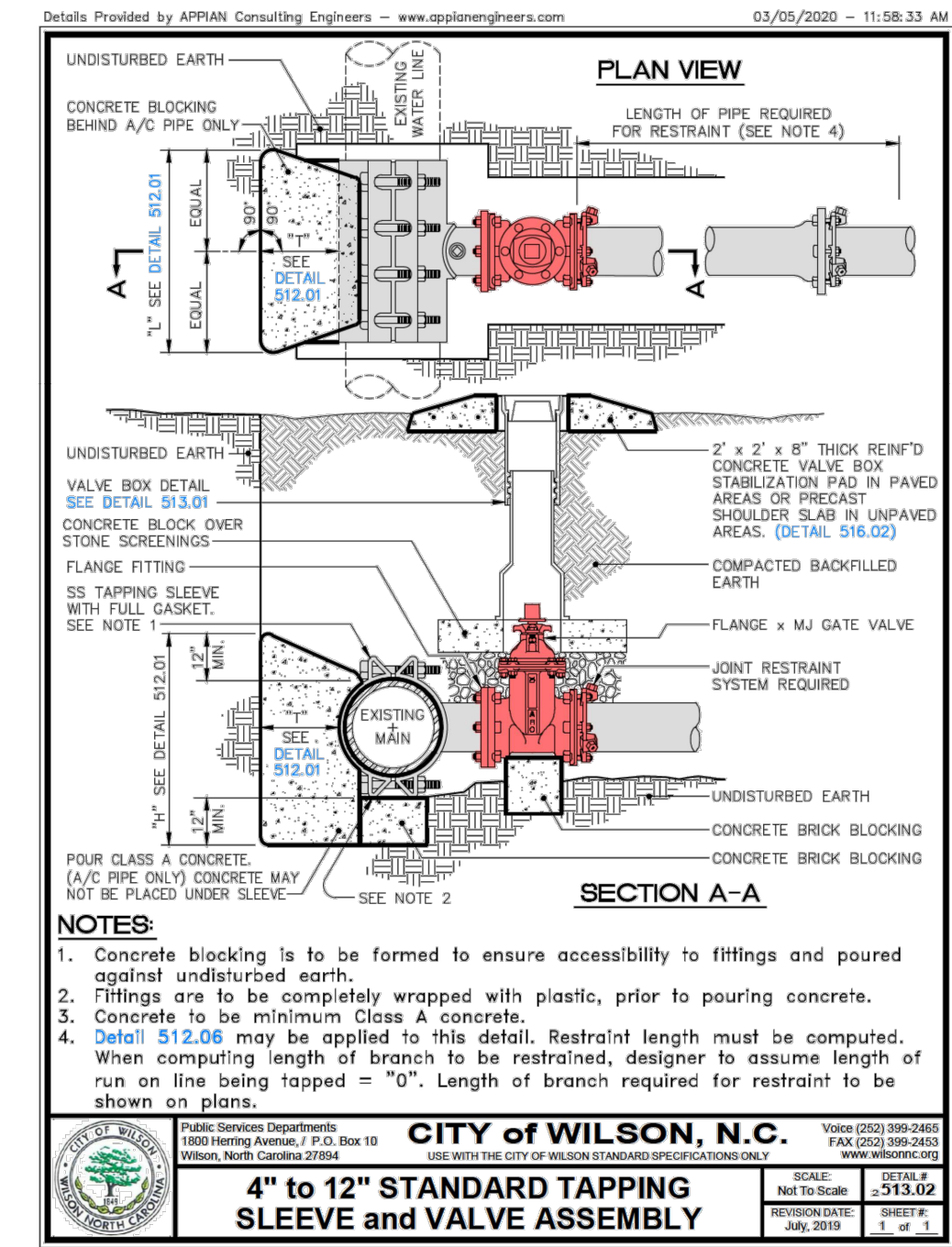
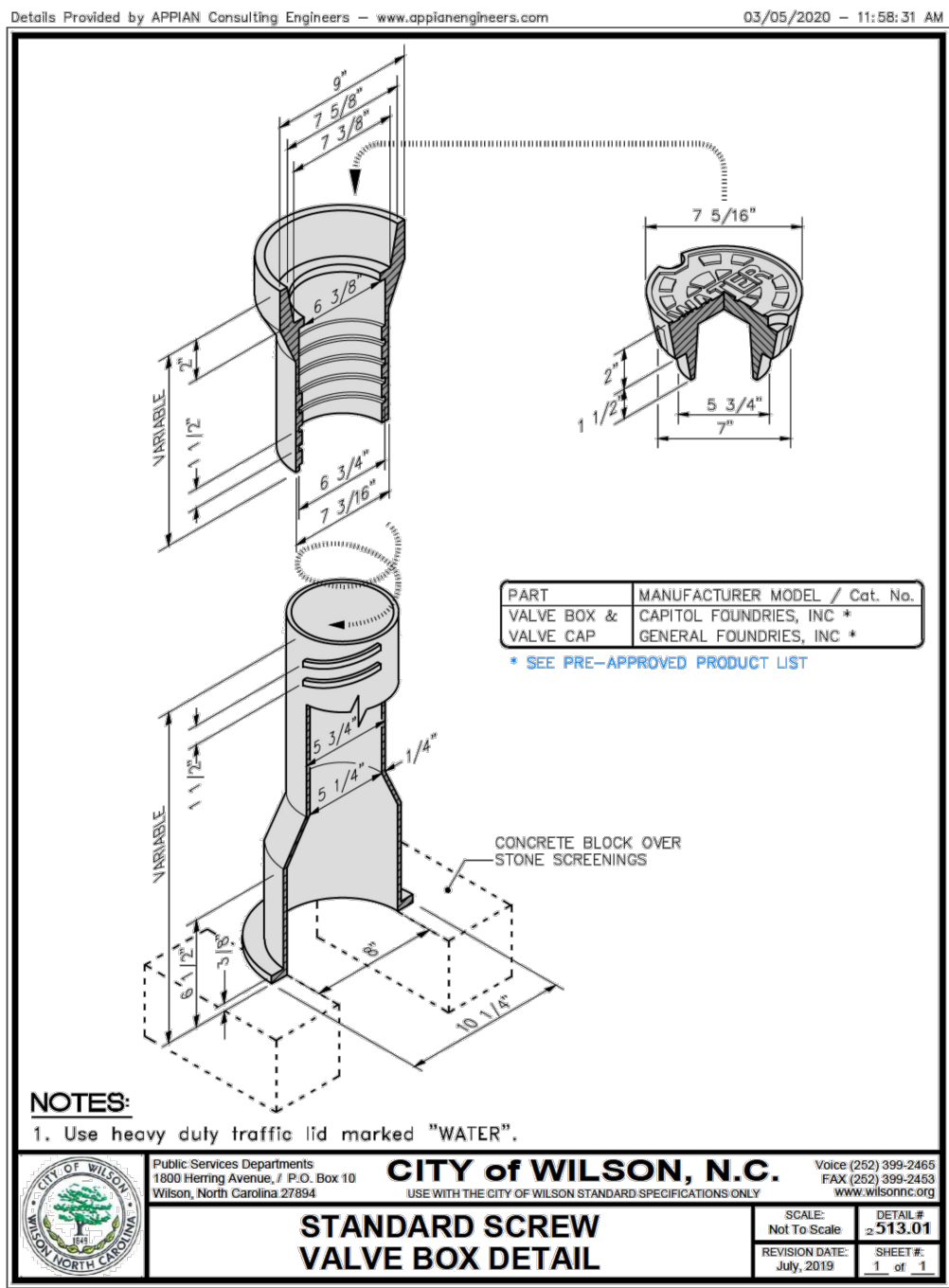
CITY OF WILSON, N.C.

BLOCKING DETAIL FOR HORIZONTAL BENDS AND TEE

TEST PRESSURE = 150 P.S.I.

PIPE SIZE	TYPE FITTING	DIMENSIONS (F.L.)	VOLUME CONCRETE CU. YD.
1/2 INCHES	11 1/4"	1.00, 1.00, 1.50	0.08
	22 1/2"	1.00, 1.00, 1.50	0.08
	TEE	1.00, 1.00, 2.50	0.09
4 INCHES	11 1/4"	1.00, 1.00, 2.50	0.09
	22 1/2"	1.00, 1.00, 2.50	0.09
	TEE	1.50, 1.50, 2.50	0.12
6 INCHES	11 1/4"	1.50, 1.50, 2.50	0.15
	22 1/2"	1.50, 1.50, 2.50	0.15
	TEE	2.00, 2.00, 3.00	0.28
8 INCHES	11 1/4"	2.00, 2.00, 2.50	0.23
	22 1/2"	2.00, 2.00, 2.50	0.23
	TEE	3.00, 2.00, 3.00	0.39

CHART NOTES:
1. If blocking excavation is in tightly compacted fill areas, or in areas where boulders or stumps have been removed, blocking size must be re-engineered for the specific location/circumstance by a NC licensed Professional Engineer.
2. Blocking sizes shown in these tables assume the following:
a. Blocking is constructed in residual soils as shown in detail.
b. Soil bearing pressure = 2000 psf
c. Velocity of flow = 15 fps
3. This detail not applicable to reducing bends.
4. Neither the weight of the concrete blocking nor friction between concrete blocking and soil was added into blocking size computation. Therefore, blocking size is conservative.



Kimley-Horn
© 2023 KIMLEY-HORN AND ASSOCIATES, INC.
421 FAYETTEVILLE SUITE 600, RALEIGH, NC 27601
PHONE: (919) 677-2000
WWW.KIMLEY-HORN.COM

WILSON BALLPARK UTILITIES EXPANSION PREPARED FOR CITY OF WILSON

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

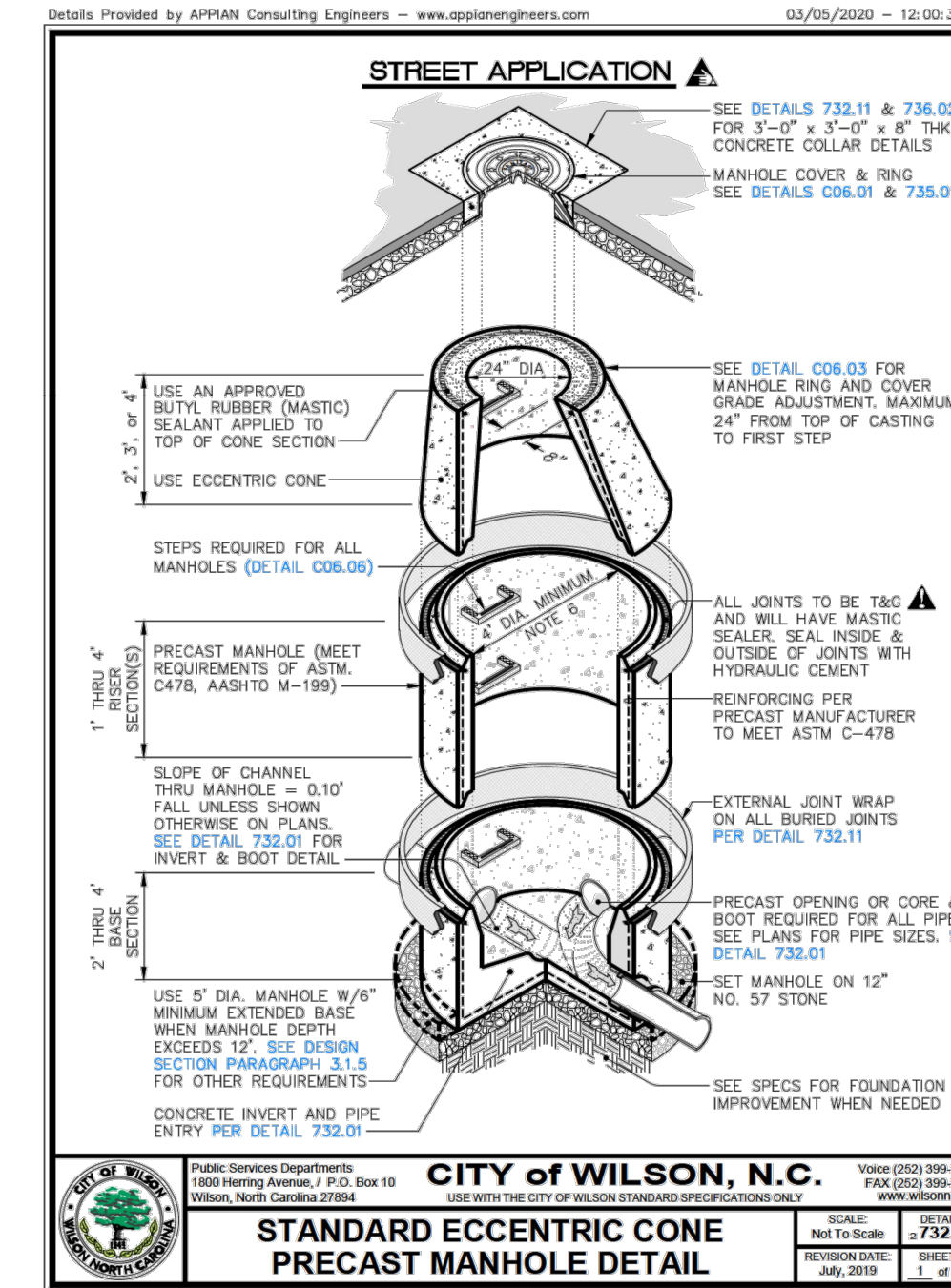
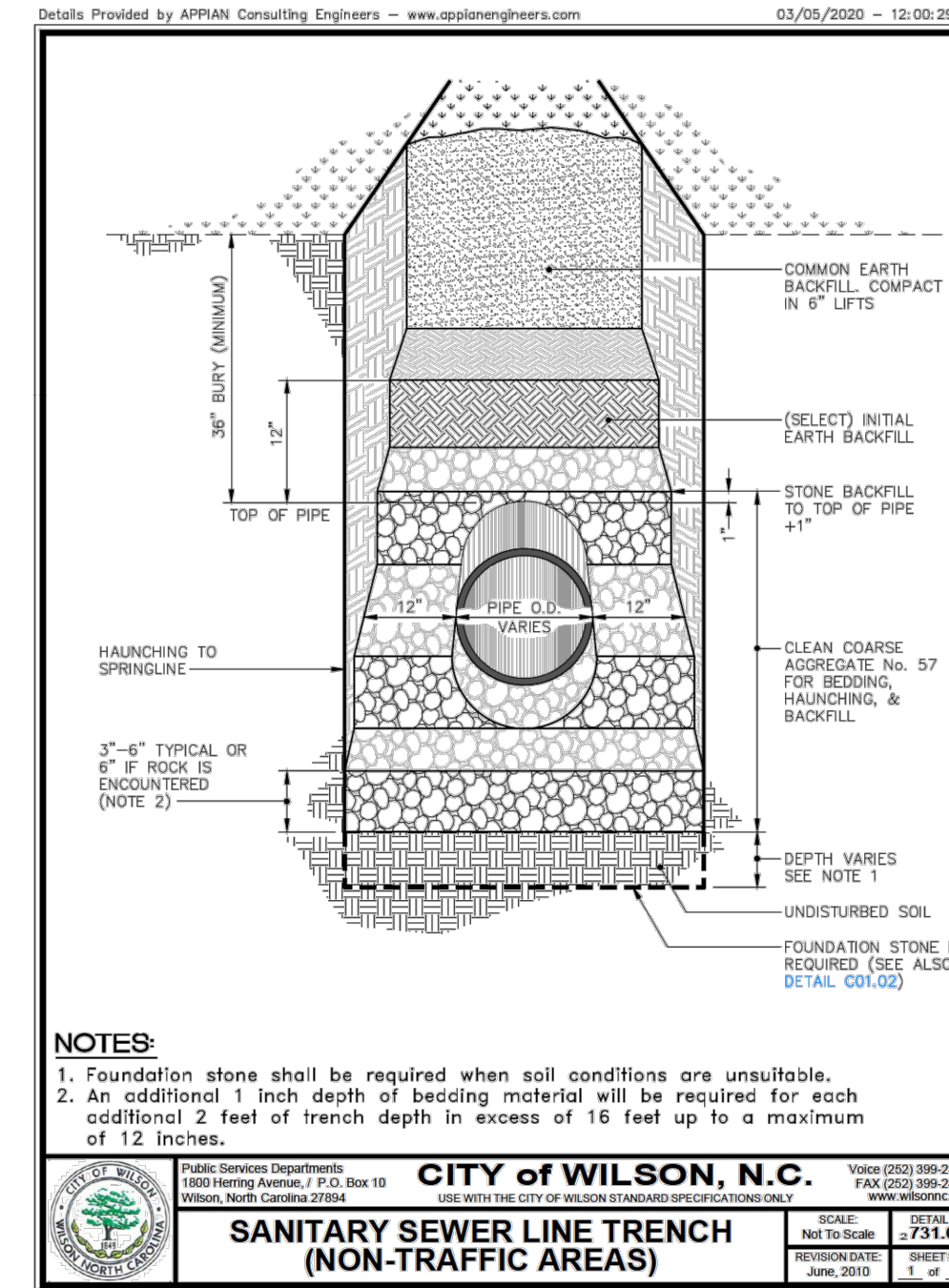
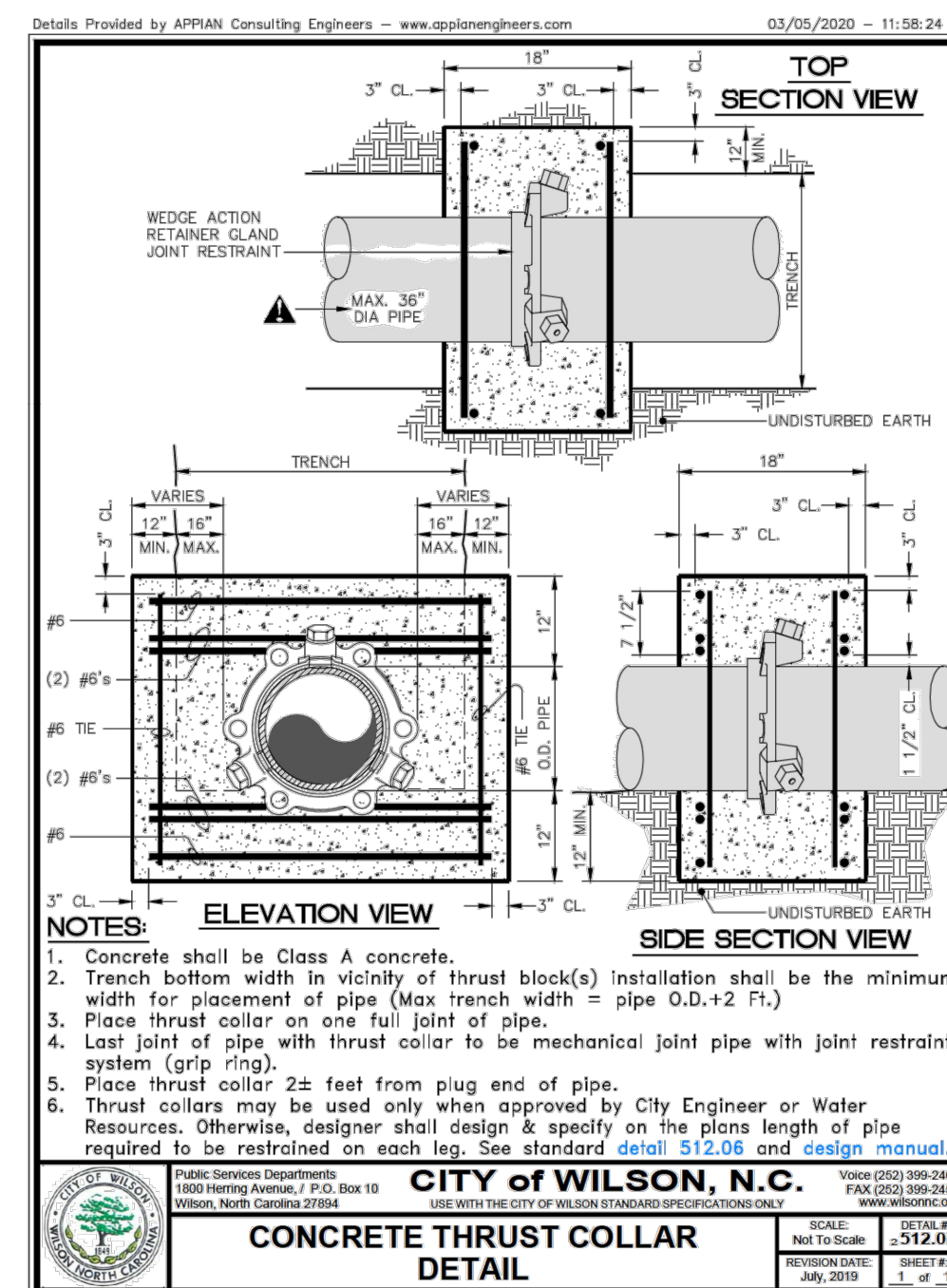
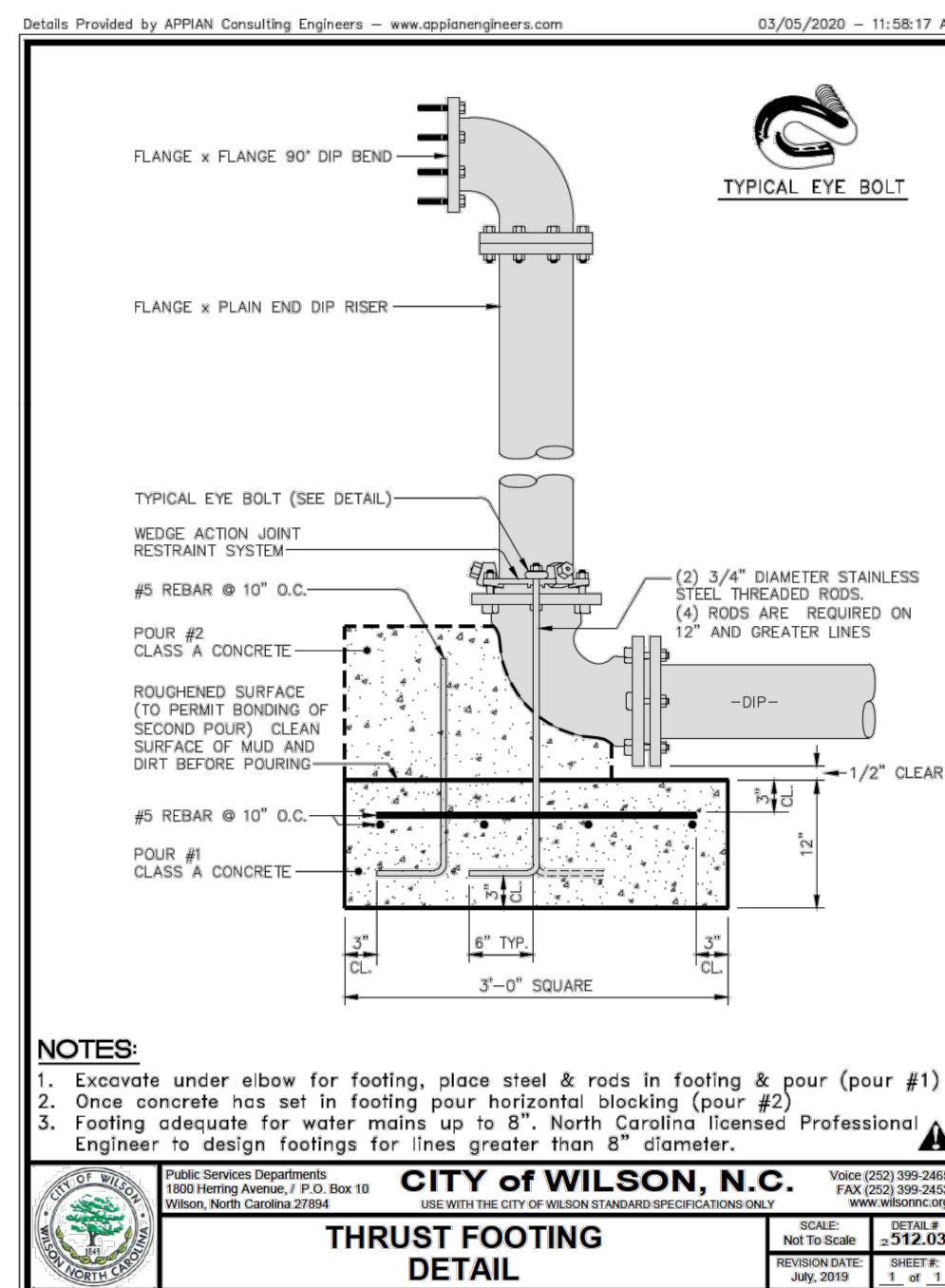
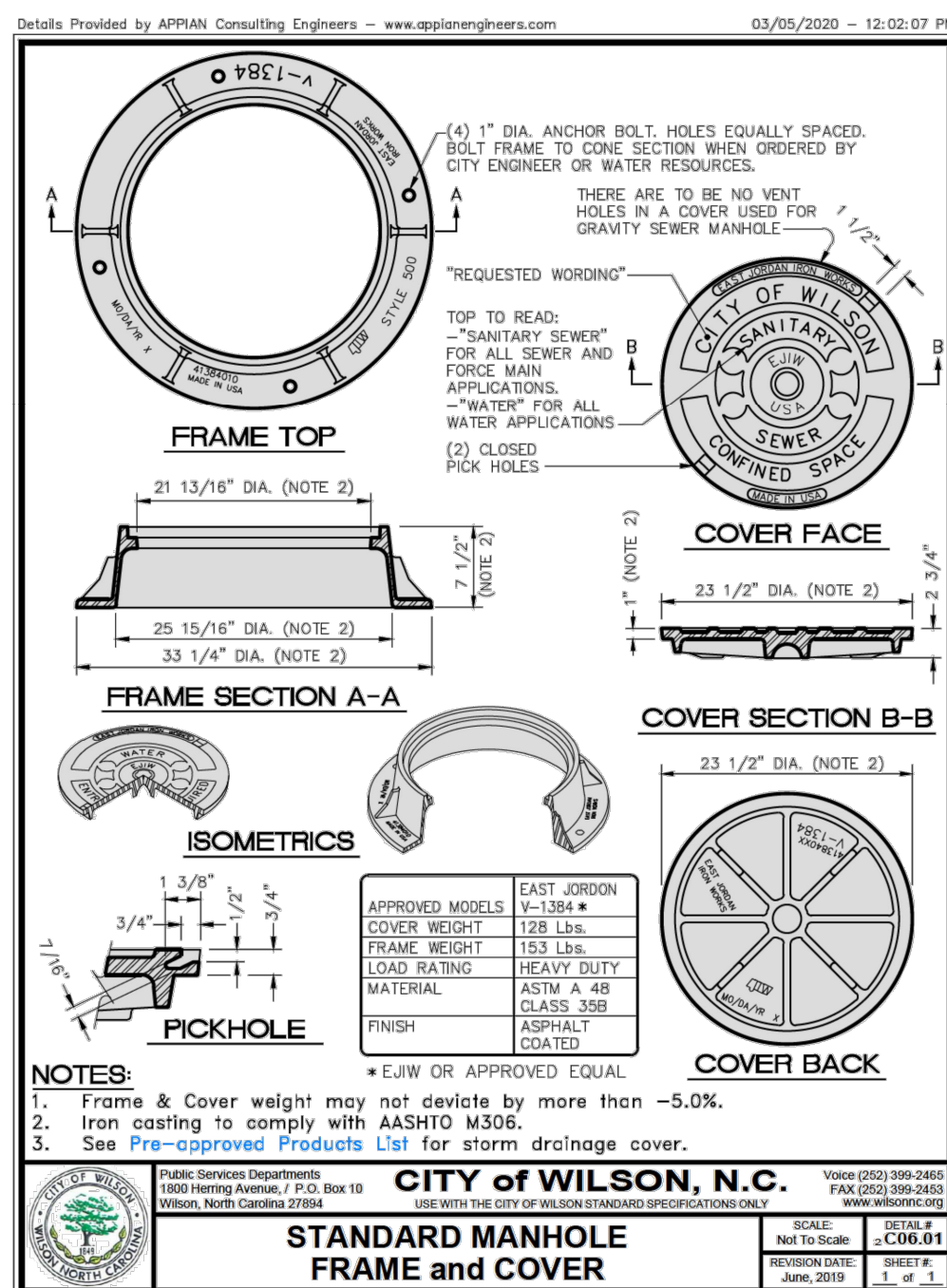
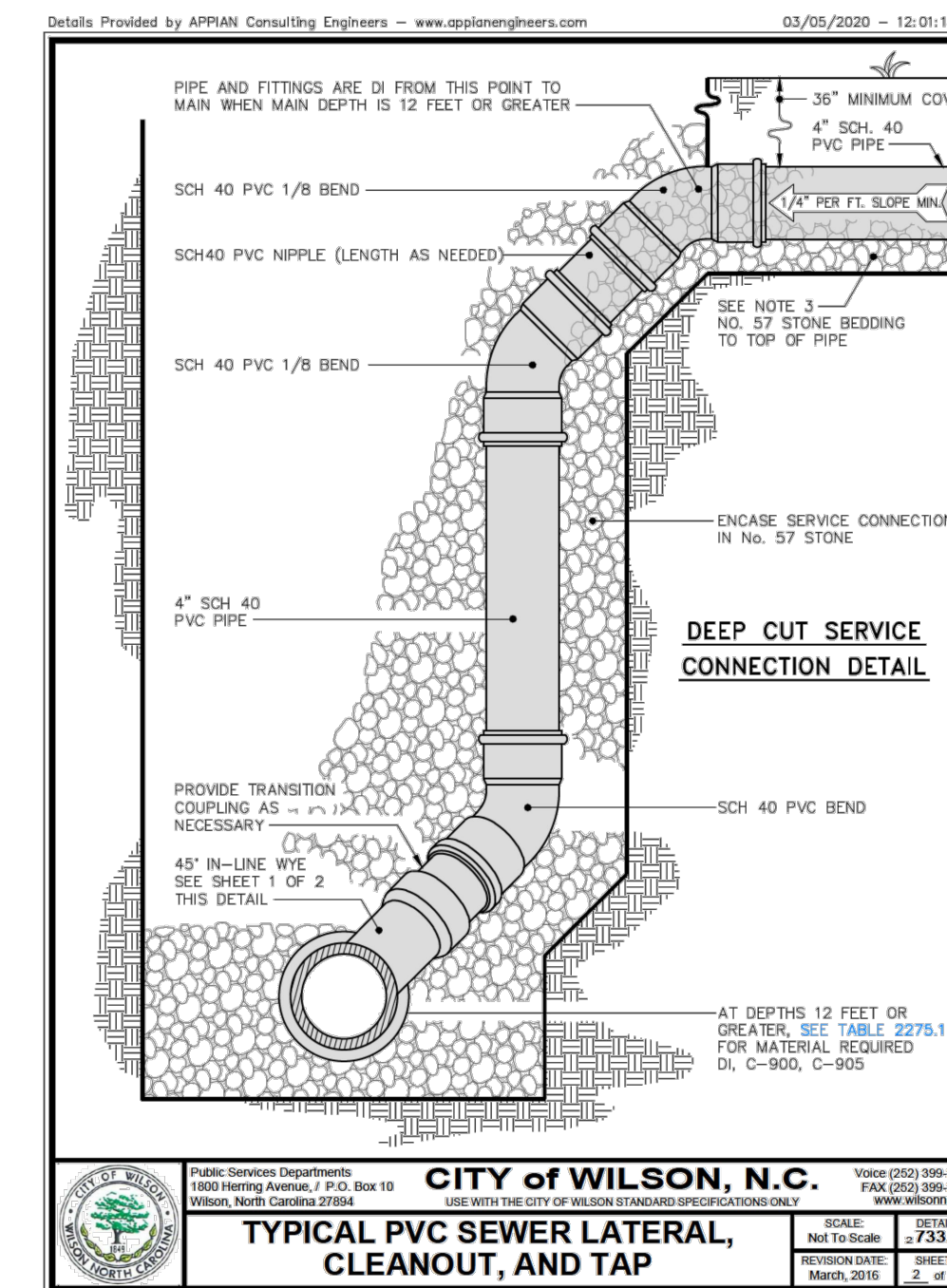
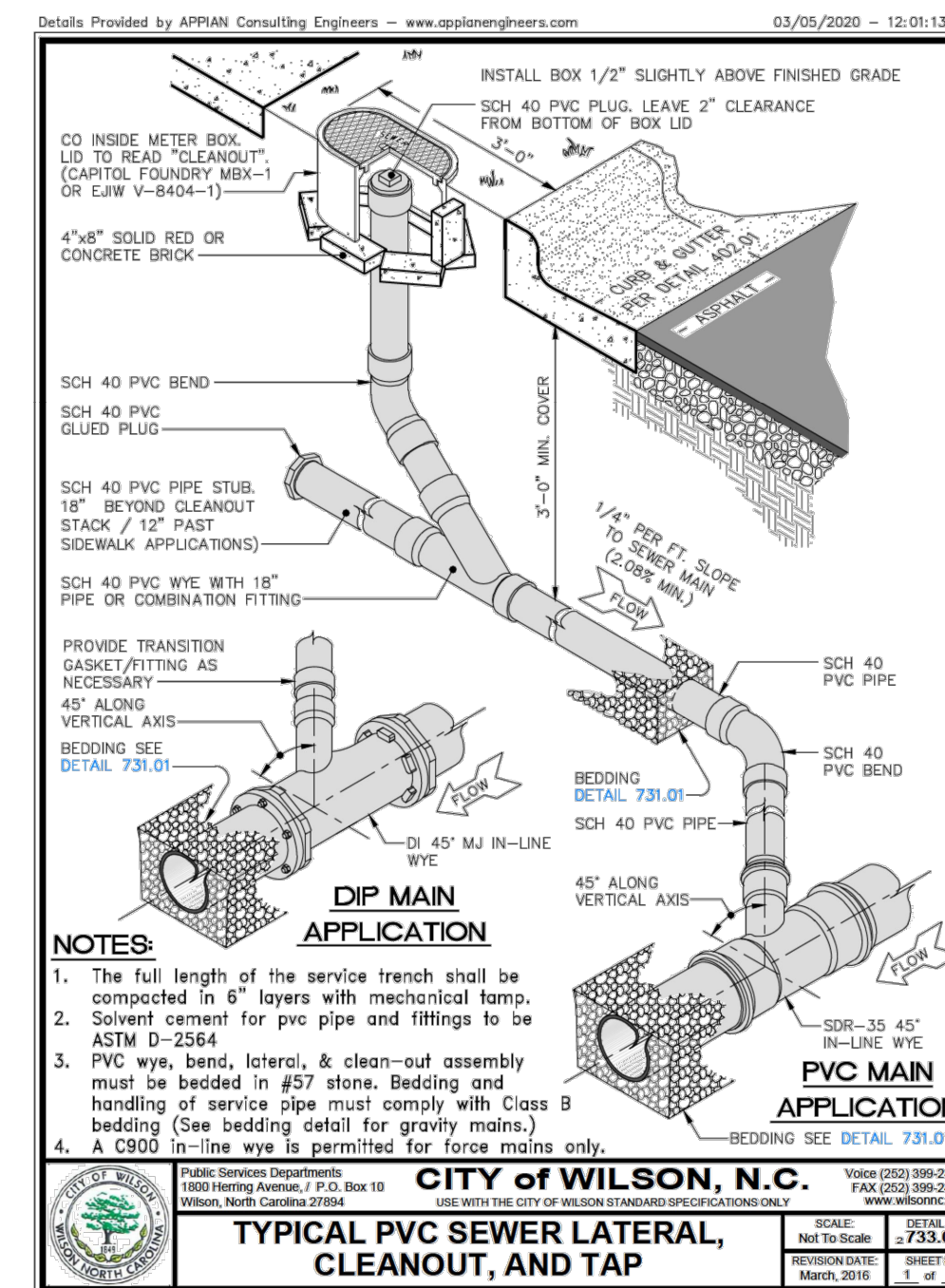
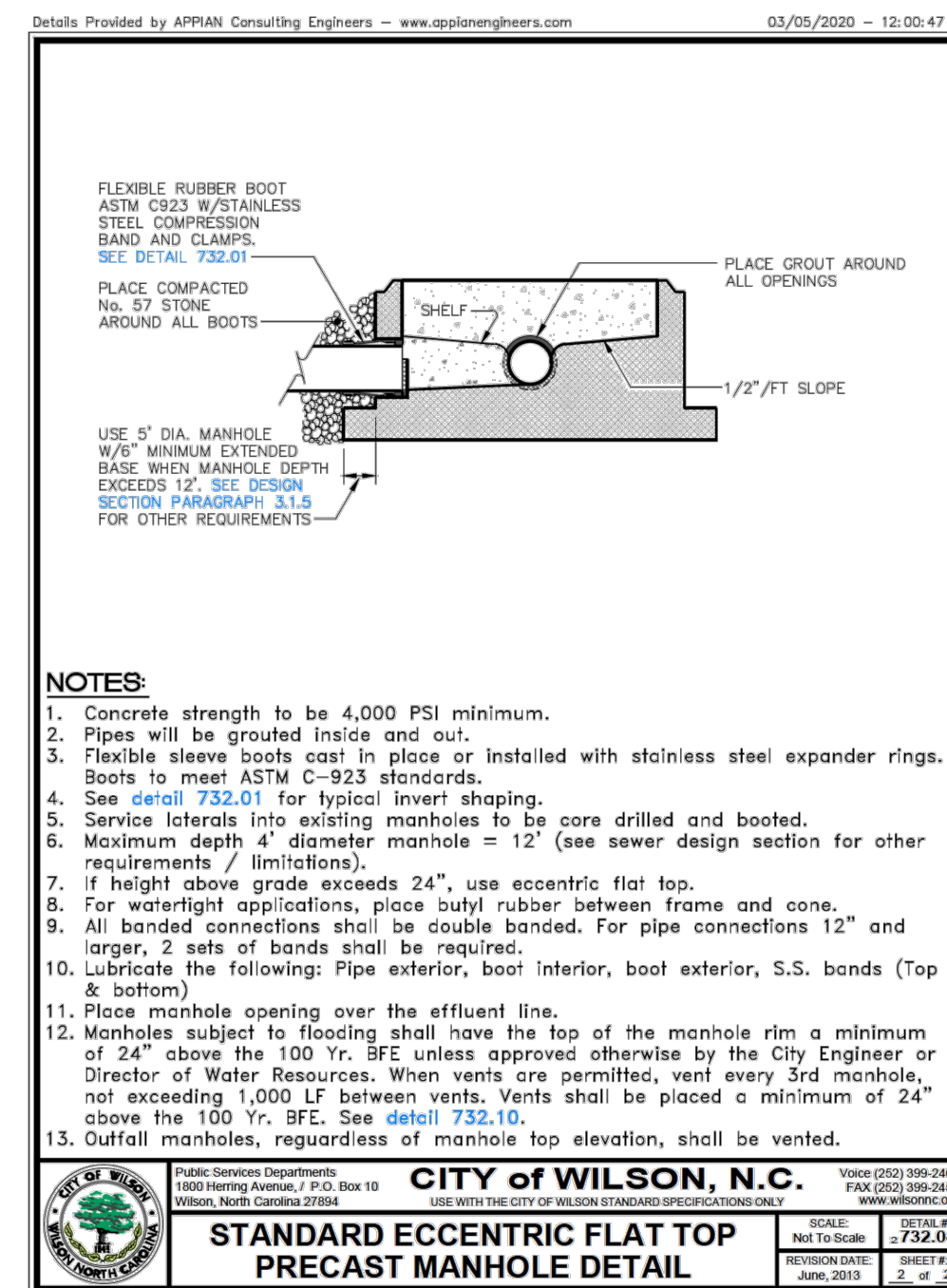
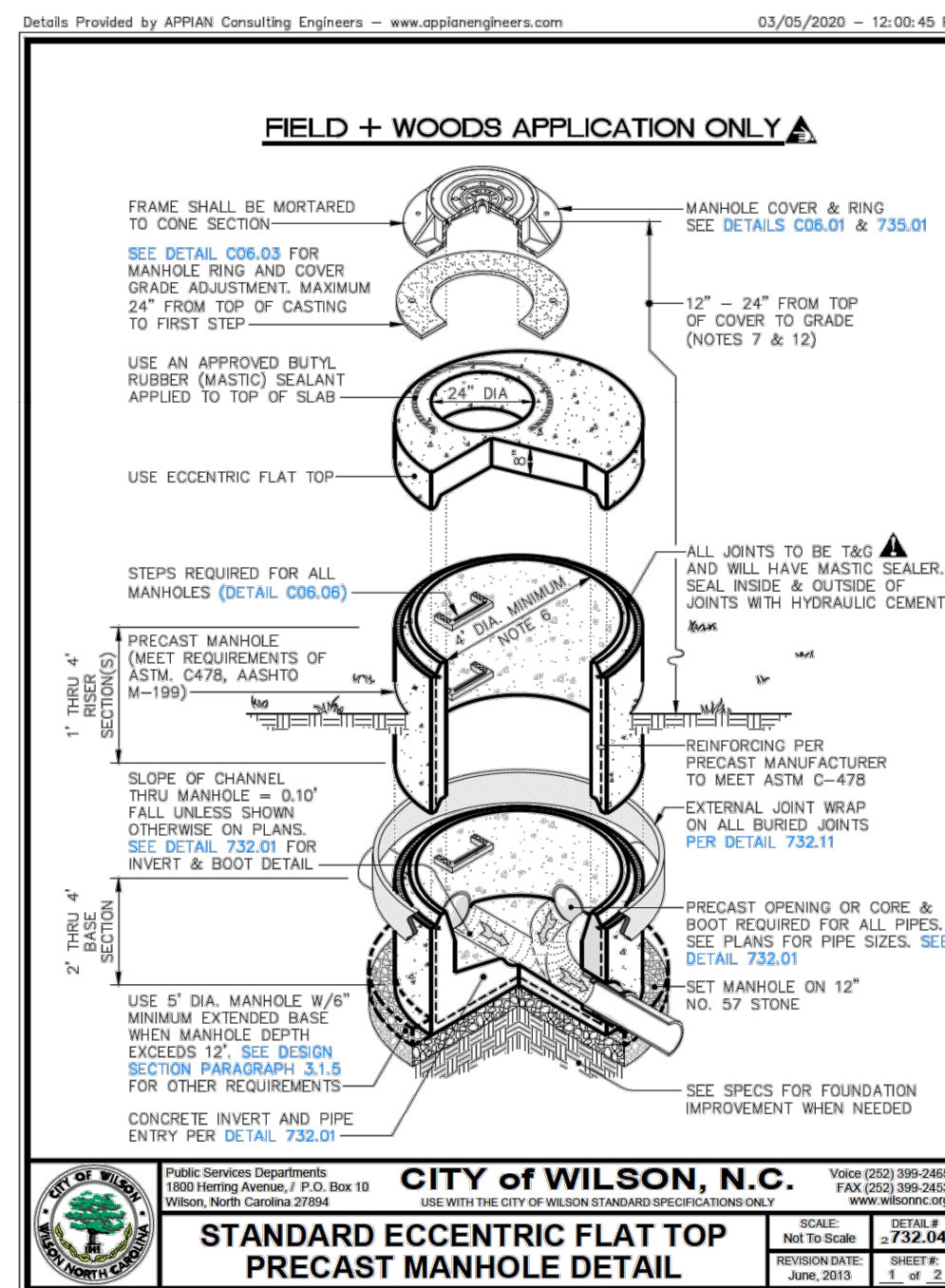
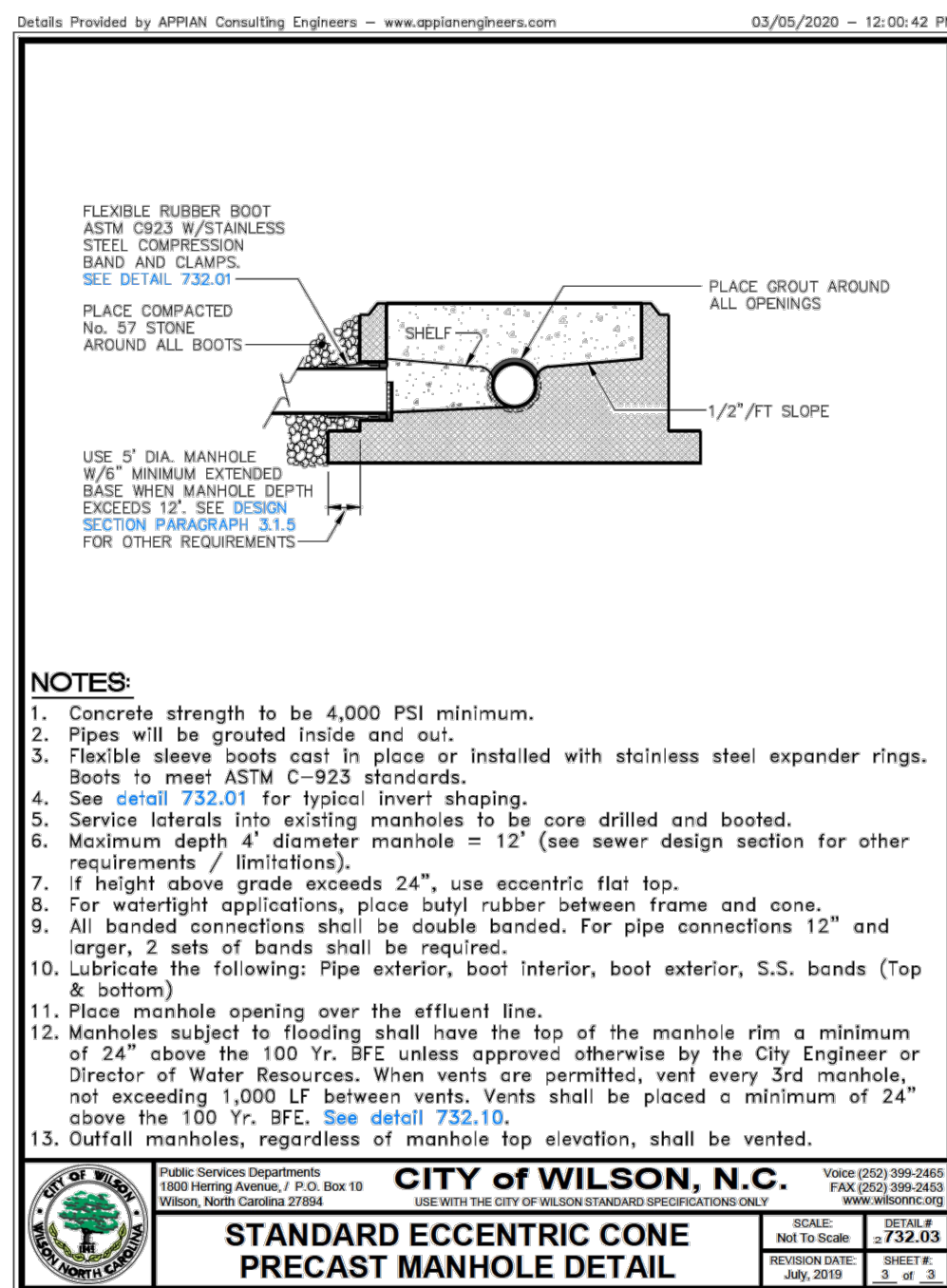
UTILITY DETAILS

WILSON
SHEET NUMBER: C8.0

REVISIONS: [Table with columns for No., Description, Date]

DATE: [Blank]

This document, together with the concepts and designs presented herein, is intended only for the specific purpose and design presented herein, as an instrument of service. It is intended only for the specific purpose and design presented herein, as an instrument of service. It is intended only for the specific purpose and design presented herein, as an instrument of service.



Kimley-Horn
© 2023 KIMLEY-HORN AND ASSOCIATES, INC.
421 FAYETTEVILLE SUITE 600, RALEIGH, NC 27601
PHONE: (919) 677-2000
WWW.KIMLEY-HORN.COM

UTILITY DETAILS

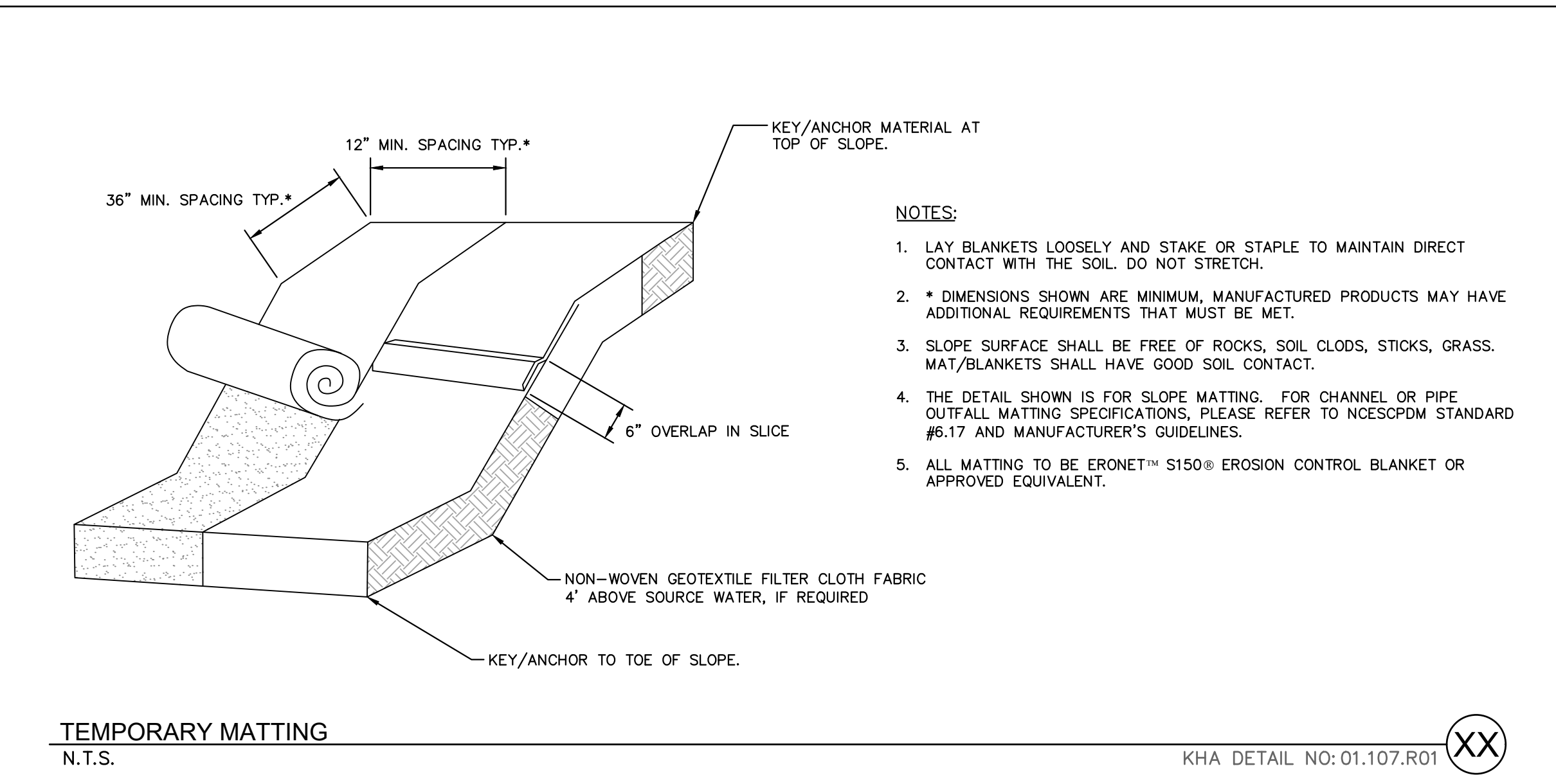
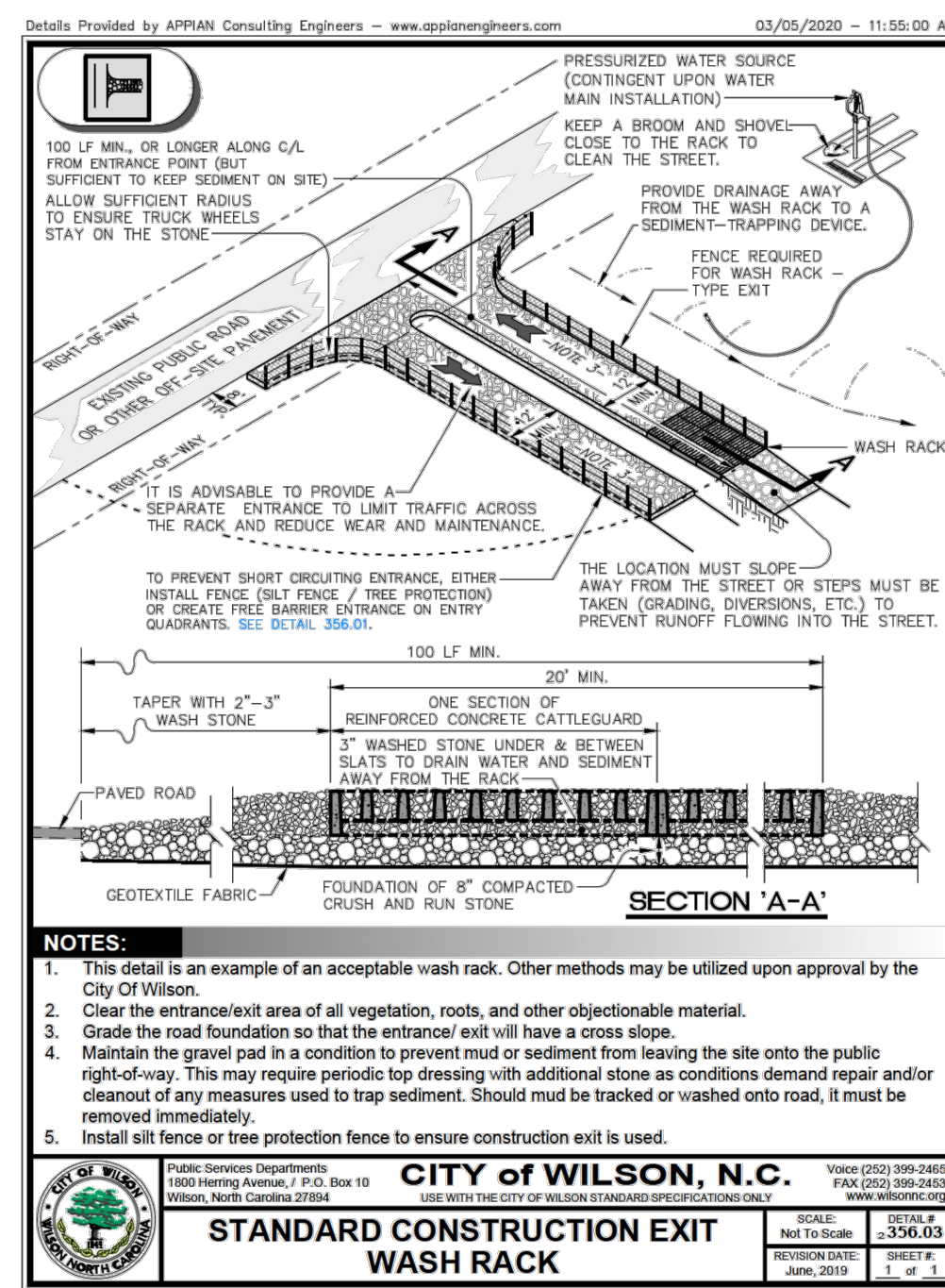
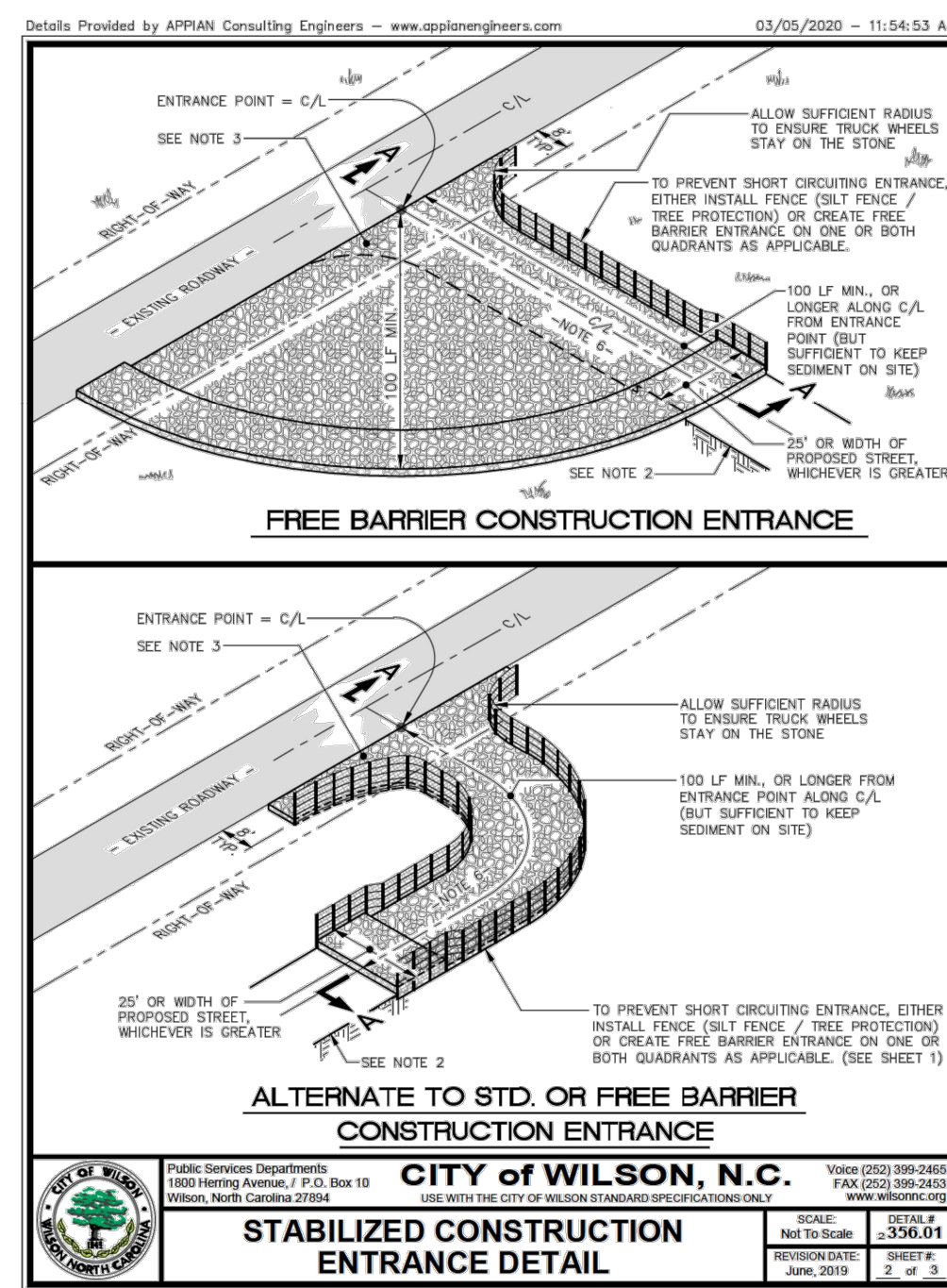
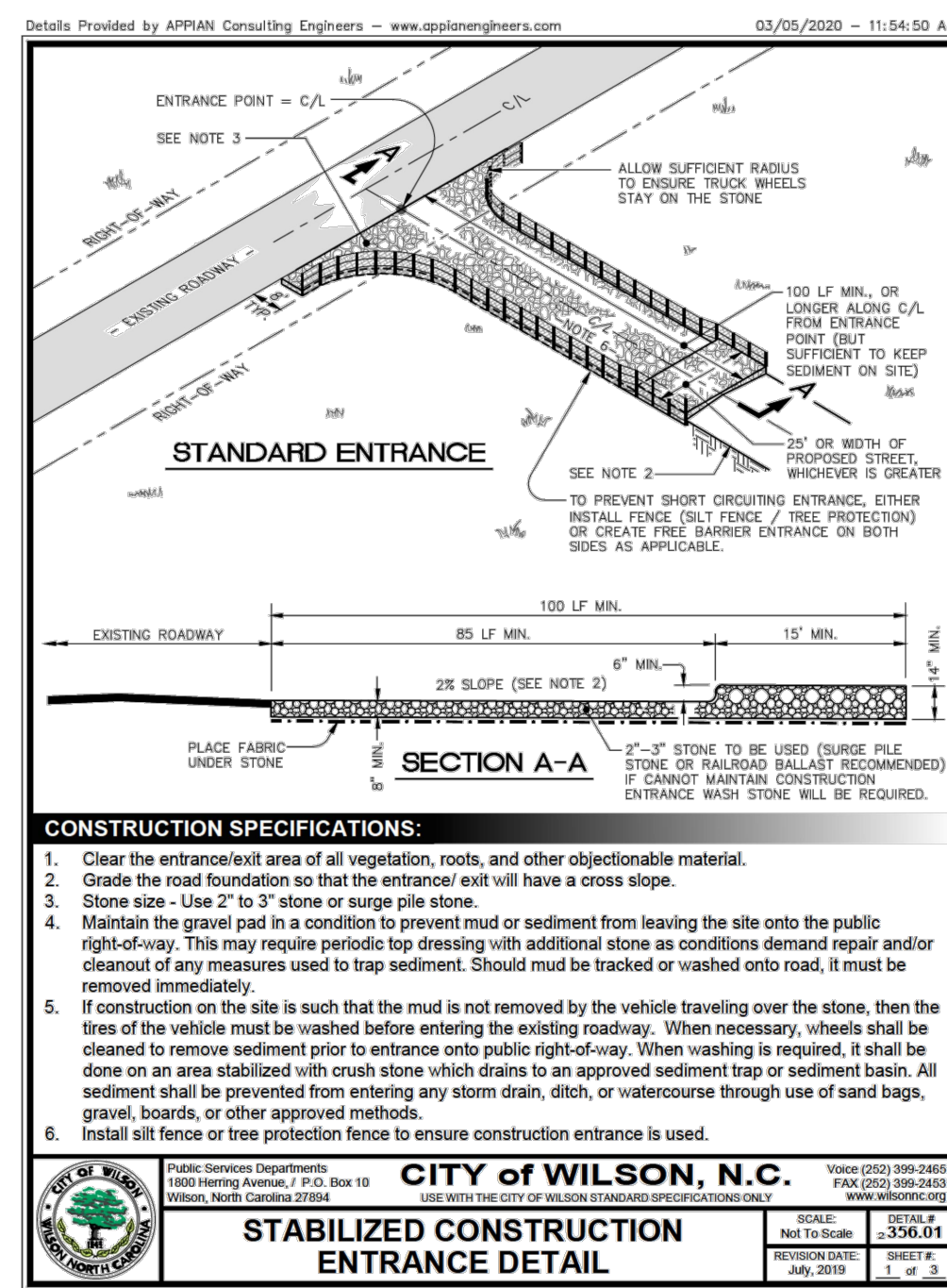
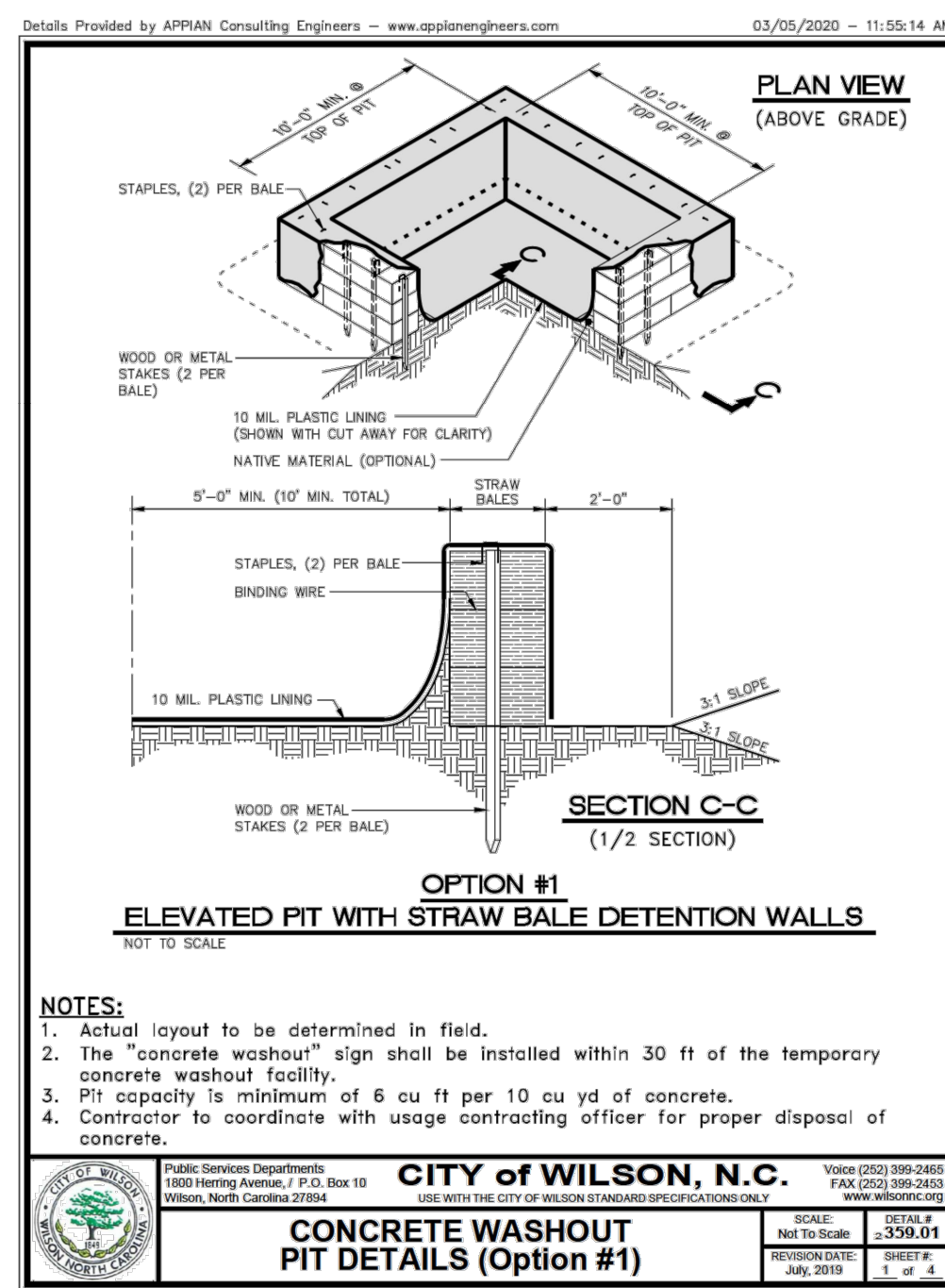
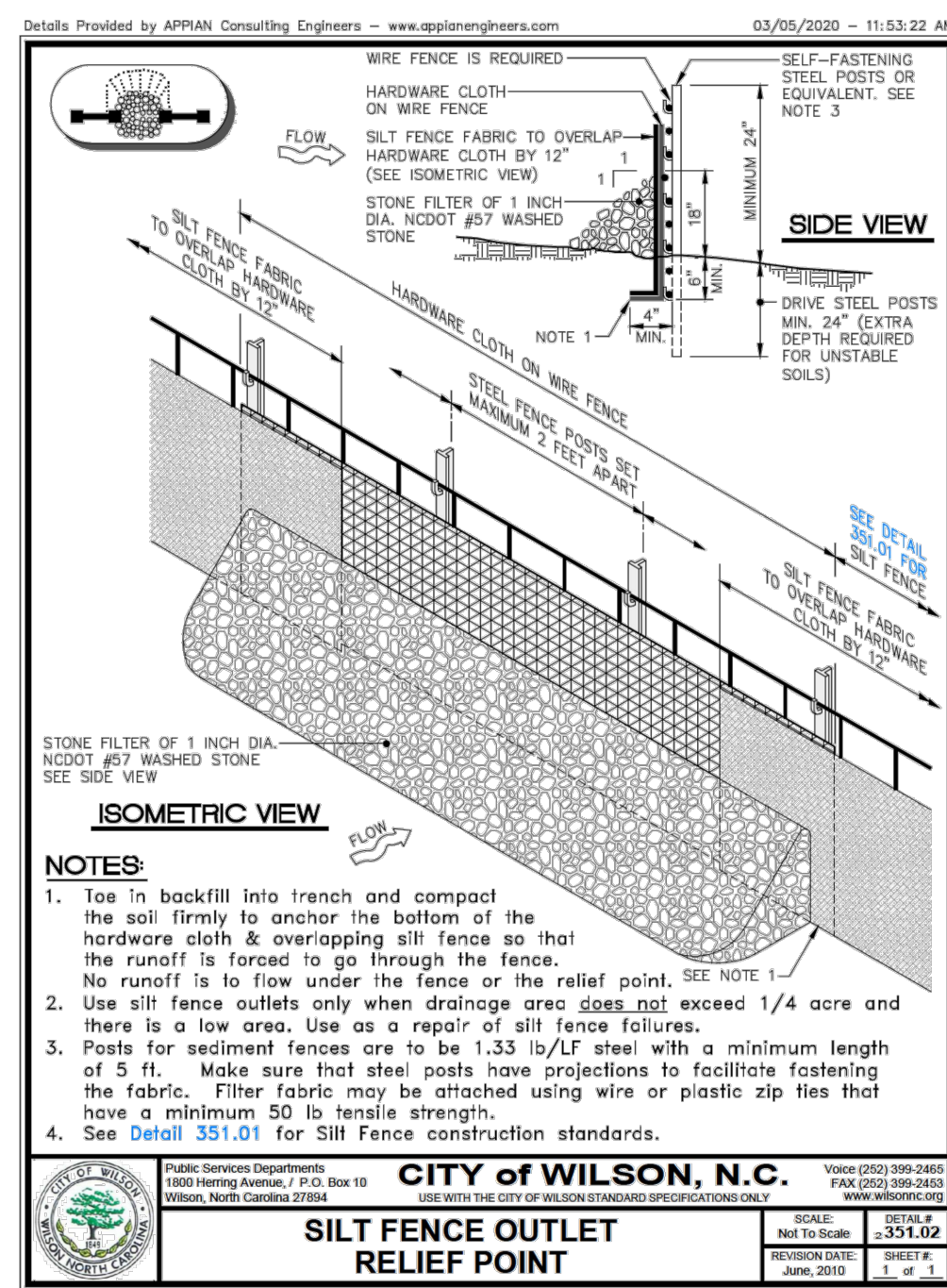
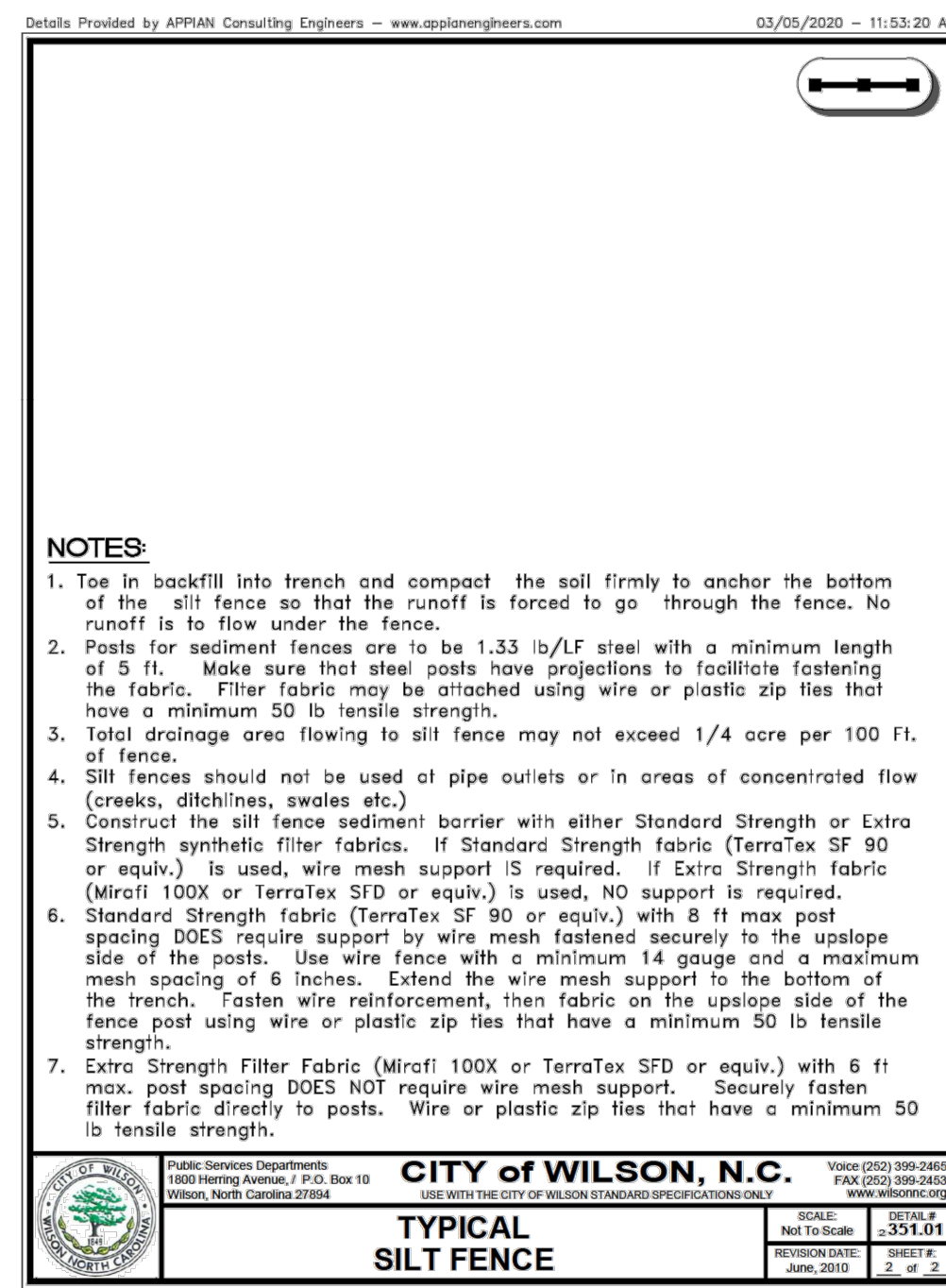
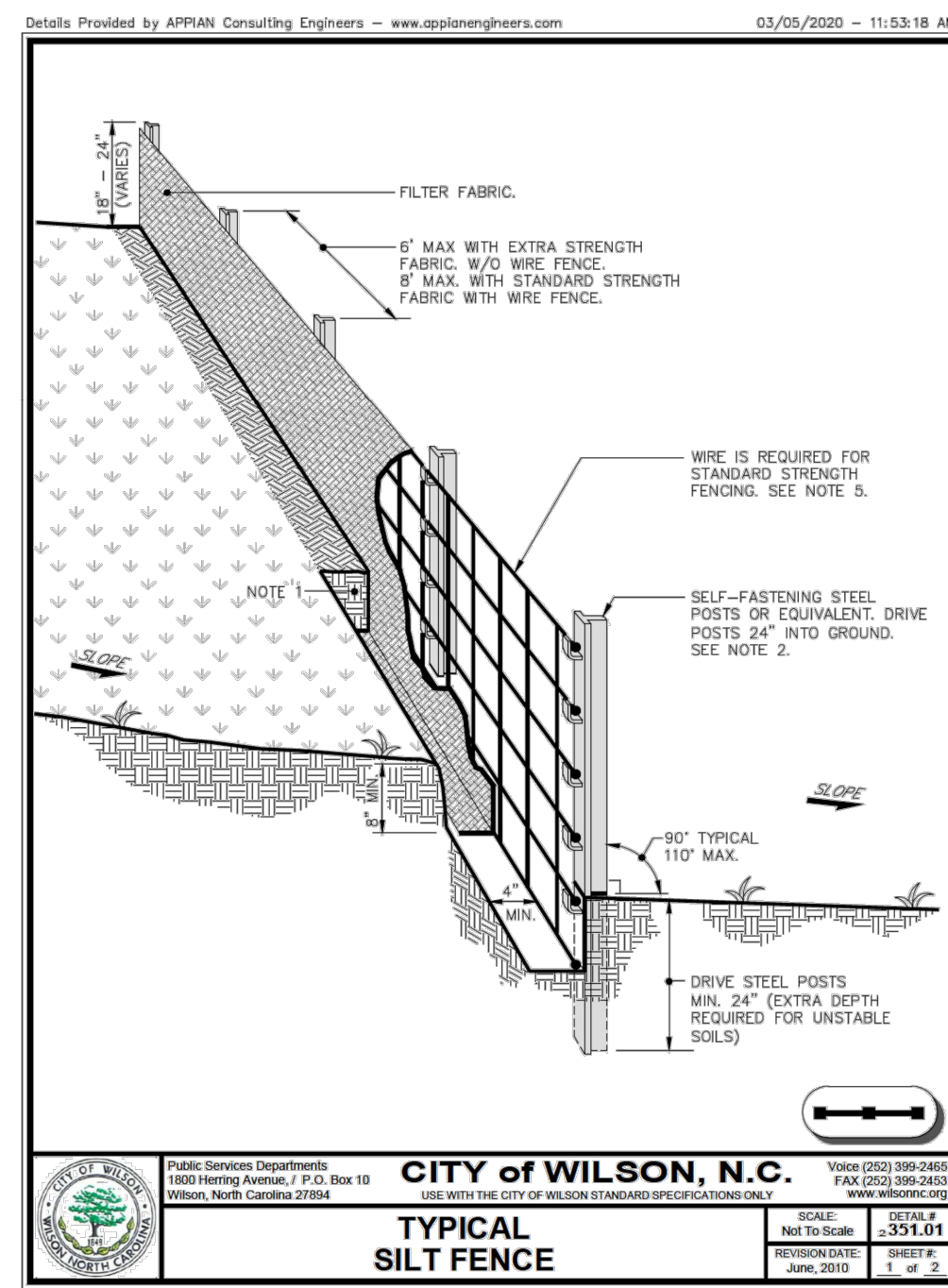
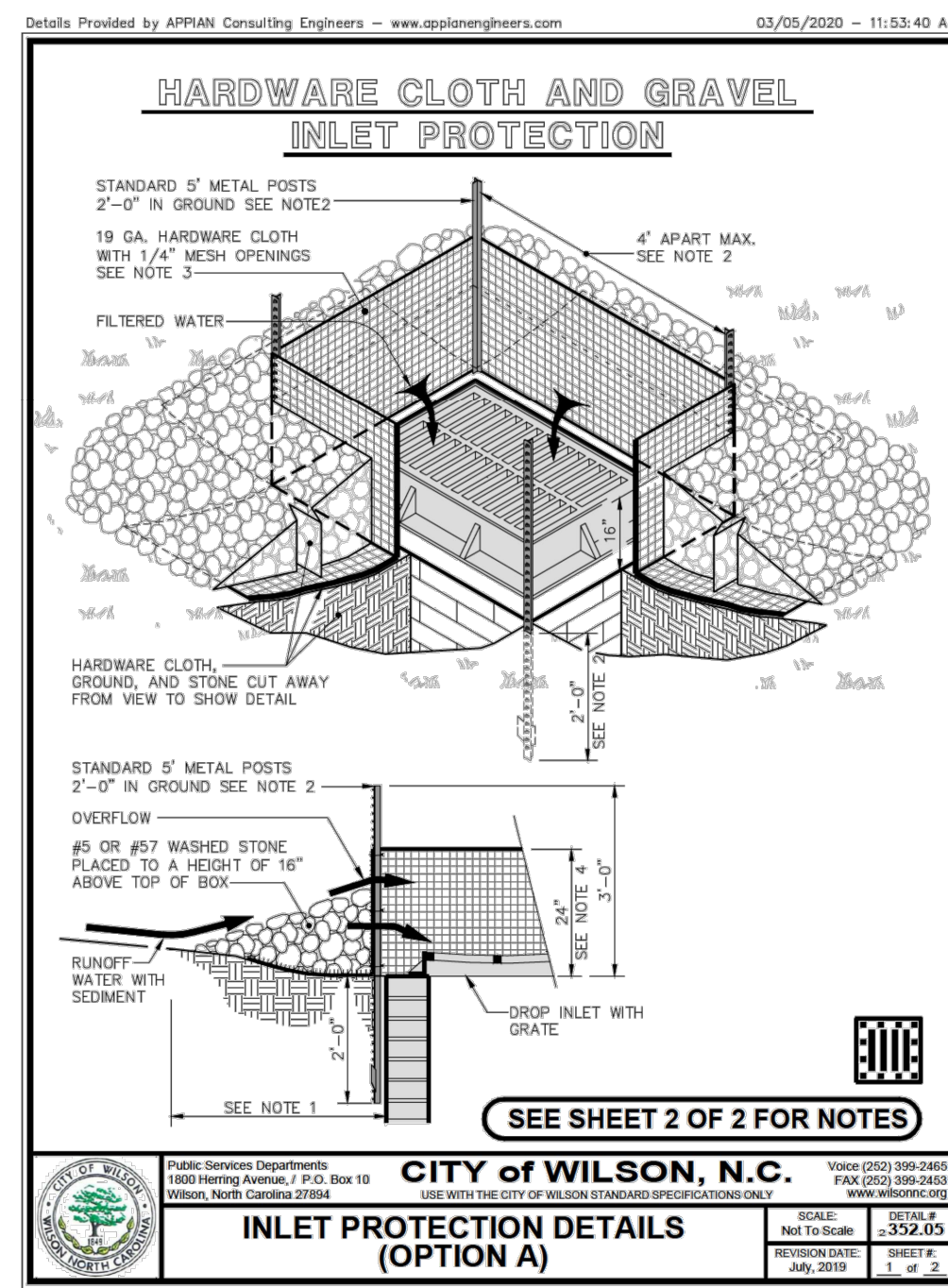
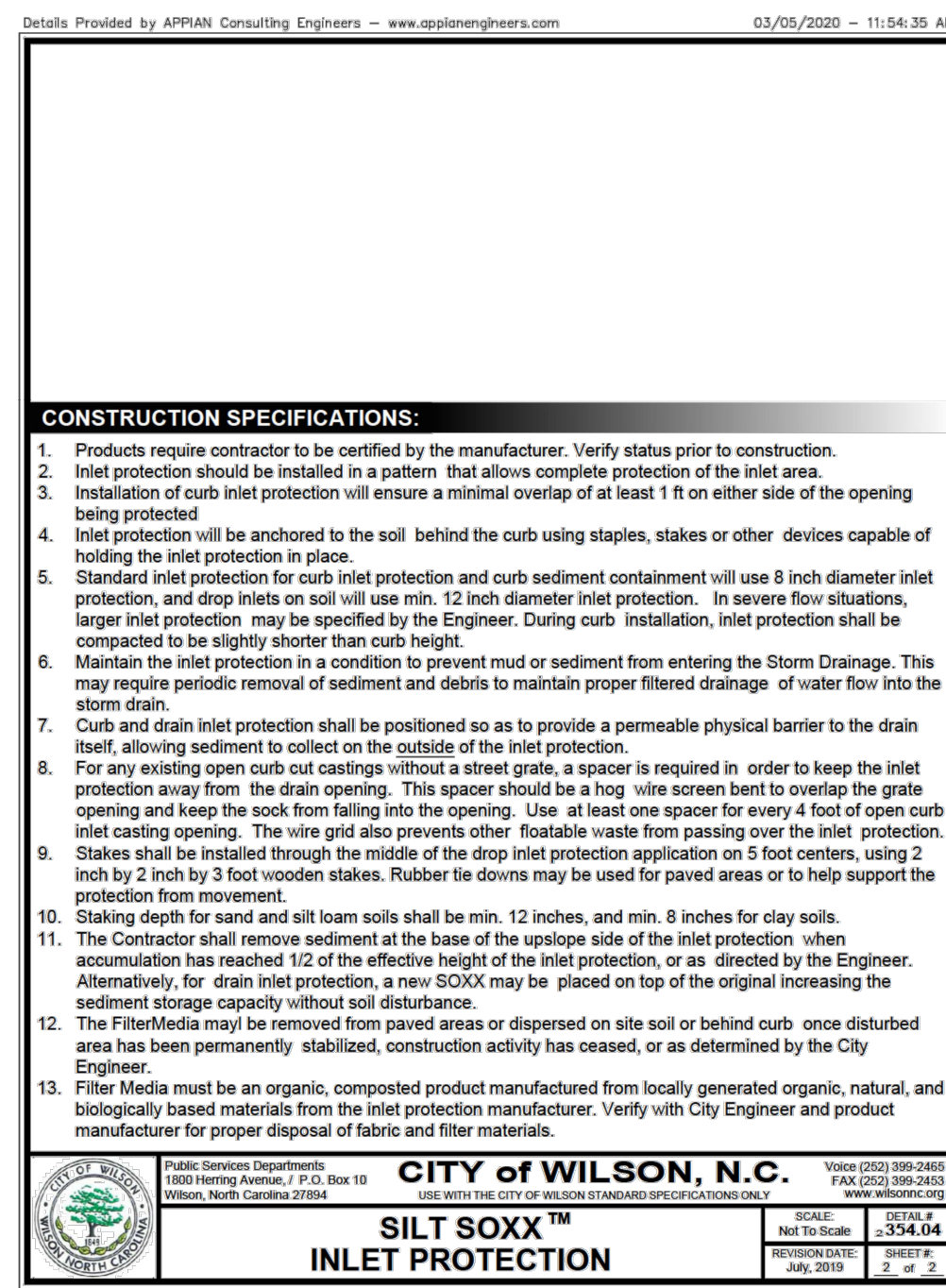
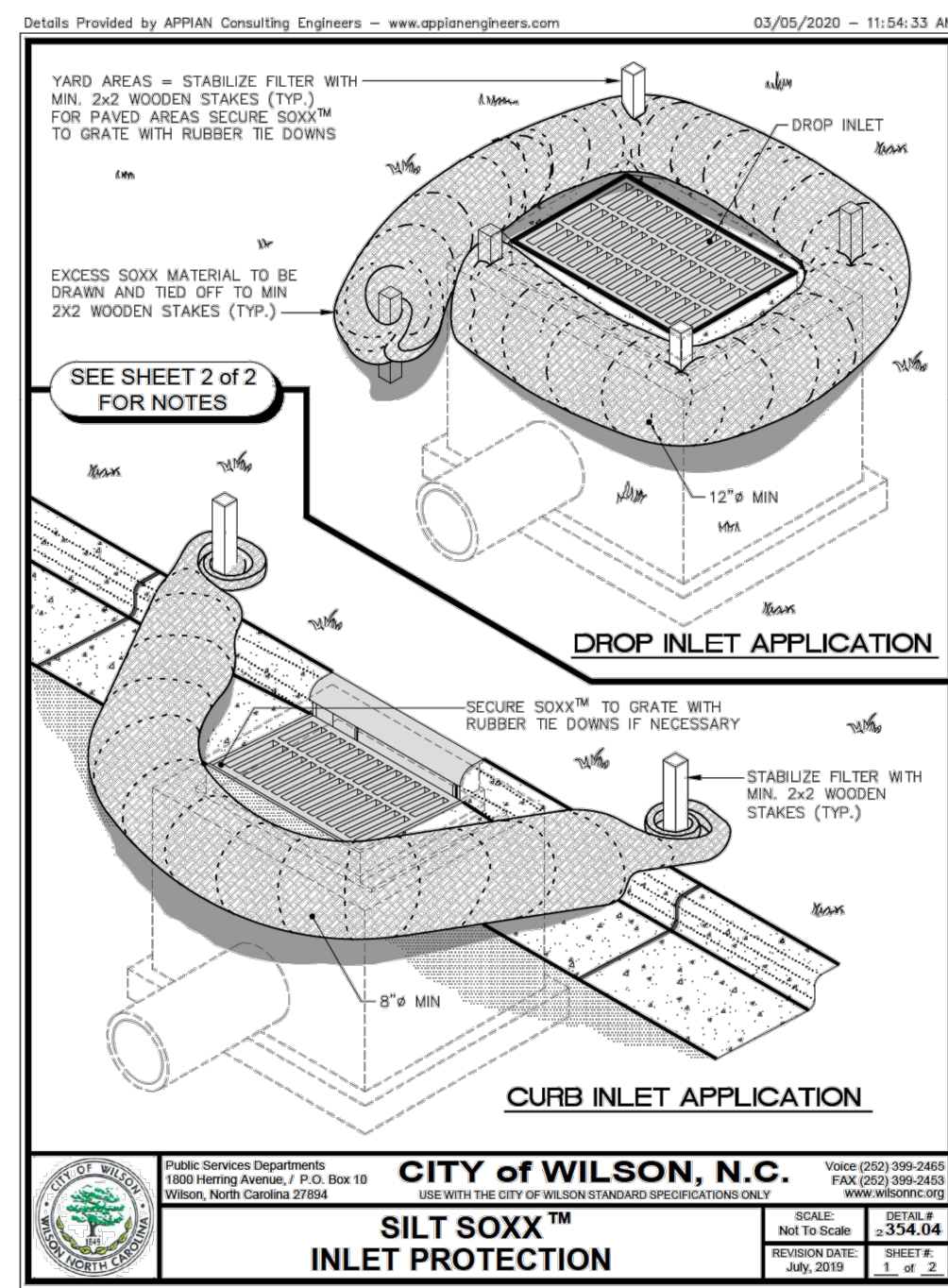
WILSON BALLPARK UTILITIES EXPANSION PREPARED FOR CITY OF WILSON NORTH CAROLINA

SHEET NUMBER **C8.1**

NO.	REVISIONS	DATE	BY

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

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



WILSON BALLPARK UTILITIES EXPANSION PREPARED FOR CITY OF WILSON
 NORTH CAROLINA
 SHEET NUMBER **C9.0**

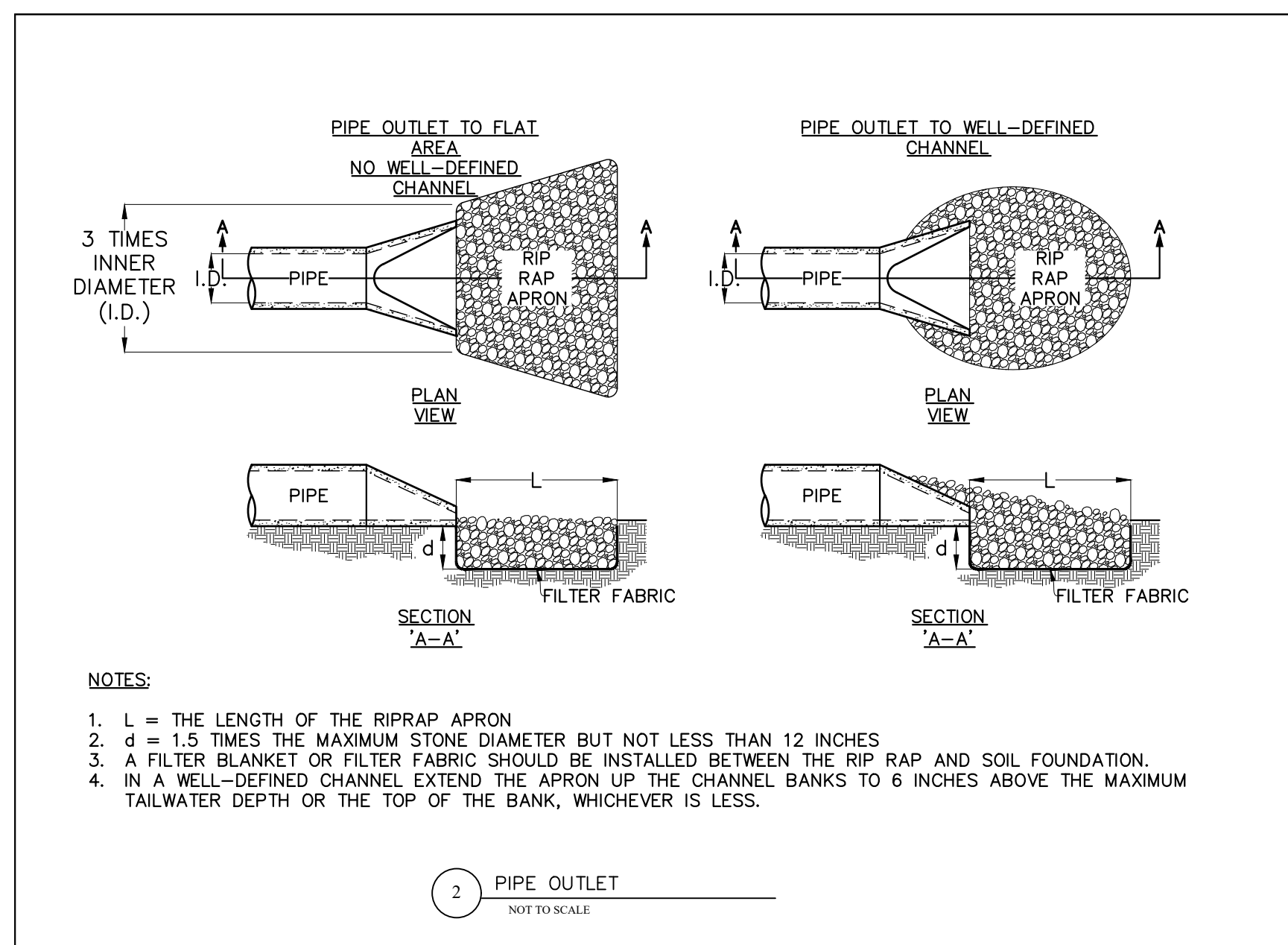
EROSION AND SEDIMENTATION CONTROL DETAILS

Kimley-Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 421 FAYETTEVILLE SUITE 600, RALEIGH, NC 27601
 PHONE: (919) 677-2000
 WWW.KIMLEY-HORN.COM

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

PROFESSIONAL SEAL
 052434
 STATE OF NORTH CAROLINA
 CIVIL ENGINEER

NO.	REVISIONS	DATE	BY



- 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	Timeframe variations
(a) Perimeter dikes, swales, ditches, and perimeter slopes	7 days after cessing land disturbance	None
(b) High Quality Water (HQW) Zones	7 days after cessing land disturbance	None
(c) Slopes steeper than 3:1	7 days after cessing land disturbance	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 days after cessing land disturbance	7 days for Falls Lake Watershed Zones
(e) Areas with slopes flatter than 4:1	14 days after cessing land disturbance	7 days for Falls Lake Watershed Zones

TEMPORARY STABILIZATION

- Temporary 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

PERMANENT STABILIZATION

- Permanent grass seed covered with straw or other mulches and tackifiers
- Concrete fabric such as permanent soil reinforcement matting
- Hydroseeding
- Straw or other permanent plantings covered with mulch
- Straw 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.

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 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

- 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.

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

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

KHA DETAIL NO: 01.901.R01

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. 12. 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. 6. 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 leaving the site. 2. Visible sediment leaving the site. 3. Visible sediment leaving the site. 4. Visible sediment leaving the site. 5. Visible sediment leaving the site. 6. Visible sediment leaving the site.
(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. Visible sediment leaving the site. 2. Visible sediment leaving the site. 3. Visible sediment leaving the site. 4. Visible sediment leaving the site. 5. Visible sediment leaving the site. 6. Visible sediment leaving the site.
(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.

NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING

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

KHA DETAIL NO: 01.902.R01

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION B: RECORDKEEPING

1. E&S Plan Documentation

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 to indicate completion of the construction phase.
(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 other inspection records shall be maintained for a period of three years after project completion and made available upon request. (40 CFR 122.41)

NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING

EFFECTIVE: 04/01/19

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION C: REPORTING

1. 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).

(a) Releases of hazardous substances in excess of reportable quantities under Section 311 of the Clean Water Act (Ref: 40 CFR 113.3 and 40 CFR 117.3) or Section 102 of CERCLA (Ref: 40 CFR 302.4) or 65, 452-212-85.

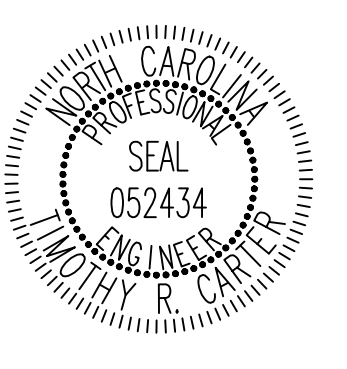
(b) Anticipated bypasses and unanticipated bypasses.

(c) 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 1(b)(ii) 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 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 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)(6). Division staff may waive the requirement for a written report on a case-by-case basis.
(c) Anticipated bypass (40 CFR 122.41)(6)(ii)	<ul style="list-style-type: none"> 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.
(d) Unanticipated bypass (40 CFR 122.41)(6)(ii)	<ul style="list-style-type: none"> 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.
(e) Noncompliance with the conditions of this permit that may endanger health or the environment (40 CFR 122.41)(7)	<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 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)(6). Division staff may waive the requirement for a written report on a case-by-case basis.



KHA PROJECT: 268255002
DATE: 01/26/2024
SCALE: AS SHOWN
DESIGNED BY: [Signature]
DRAWN BY: [Signature]
CHECKED BY: [Signature]

EROSION AND SEDIMENTATION CONTROL DETAILS

WILSON BALLPARK UTILITIES EXPANSION PREPARED FOR CITY OF WILSON

This document, together with the concepts and designs presented herein, is an instrument of service, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.