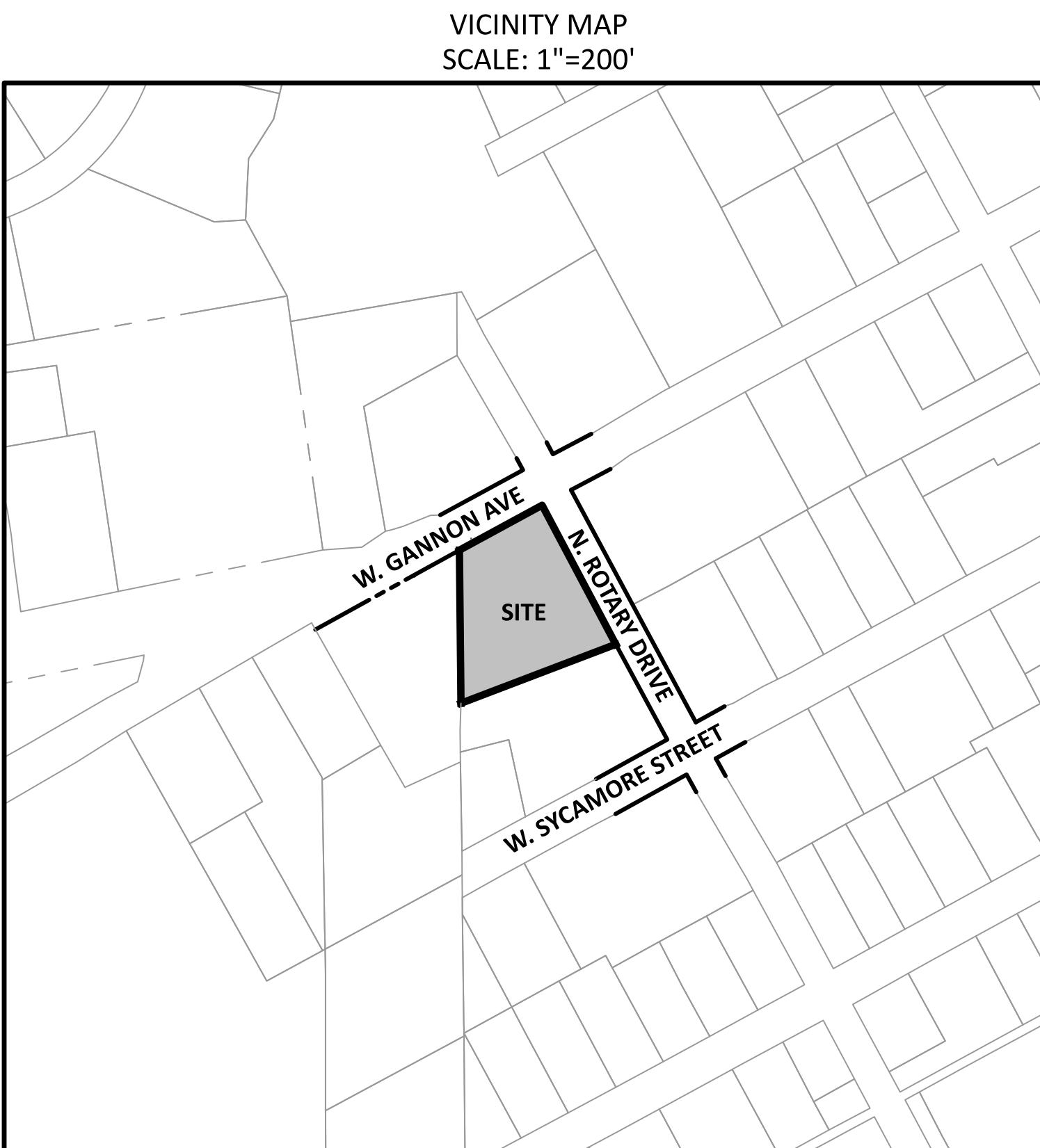


401 WEST GANNON AVENUE

SITE PLAN AND CONSTRUCTION DRAWINGS



ZEBULON, NC

MARCH 1, 2023

REVISED: JULY 10, 2023
REVISED: SEPTEMBER 14, 2023
REVISED: DECEMBER 20, 2023
REVISED: APRIL 15, 2024
REVISED: JUNE 19, 2024
REVISED: JULY 17, 2024

SHEET INDEX		
SHEET NO.	SHEET NAME	MOST CURRENT REVISION DATE
C1.0	EXISTING CONDITIONS PLAN	7/10/2023
C1.1	STAGING AND DEMOLITION PLAN	7/10/2023
C2.0	SITE PLAN	07/17/2024
C3.0	UTILITY PLAN	04/15/2024
C4.0	GRADING PLAN	06/19/2024
C5.0	LANDSCAPE PLAN	07/17/2024
C6.1	EROSION CONTROL PLAN STAGE 1	06/19/2024
C6.2	EROSION CONTROL PLAN STAGE 2	06/19/2024
C7.1	ROAD A PLAN AND PROFILE - SANITARY SEWER OUTFALL A PLAN AND PROFILE	12/20/2023
C8.1	SCM GRADING AND DETAILS	12/20/2023
1 of 1	LIGHTING PLAN (BY OTHERS)	3/14/2024
D1.1	TOWN OF ZEBULON DETAILS	7/10/2023
D1.2	TOWN OF ZEBULON & SITE DETAILS	9/14/2023
D1.3	SITE DETAILS	9/14/2023
D2.1	EROSION CONTROL DETAILS	06/19/2024
D2.2	EROSION CONTROL DETAILS	7/10/2023
D3.1	RALEIGH SEWER DETAILS	7/10/2023
D3.2	RALEIGH SEWER DETAILS	7/10/2023
D4.1	RALEIGH WATER DETAILS	7/10/2023
D4.2	RALEIGH WATER DETAILS	7/10/2023
D5.1	LANDSCAPE DETAILS	7/10/2023

CLIENT

MERIDIAN PROPERTIES GROUP, LLC
4030 WAKE FOREST ROAD, SUITE 100
RALEIGH, NC 27609
919-621-4648

PUBLIC IMPROVEMENTS QUANTITIES	
PUBLIC ROADS	0 LF
PUBLIC WATER LINE EXTENSION	224 LF
8" PUBLIC SANITARY SEWER EXTENSION	243 LF
PUBLIC STORM DRAINAGE IMPROVEMENTS	0 LF
PROPOSED WATER METERS	11
PROPOSED SEWER CLEANOUTS	11



07/17/2024

EROSION CONTROL, STORMWATER AND FLOODPLAIN MANAGEMENT APPROVED

EROSION CONTROL S-
STORMWATER MGMT. S-
FLOOD STUDY S-
DATE _____

ENVIRONMENTAL CONSULTANT SIGNATURE _____

PUBLIC

SEWER COLLECTION/EXTENSION SYSTEM

THE CITY OF RALEIGH CONSENTS TO THE CONNECTION AND EXTENSION OF THE CITY'S PUBLIC SEWER SYSTEM AS SHOWN ON THIS PLAN. THE MATERIAL AND CONSTRUCTION METHODS USED FOR THIS PROJECT SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE CITY'S PUBLIC UTILITIES HANDBOOK.

CITY OF RALEIGH
PUBLIC UTILITIES DEPARTMENT PERMIT # S-5400

AUTHORIZATION TO CONSTRUCT _____

DATE _____

PRIVATE

SEWER COLLECTION/EXTENSION SYSTEM

THE CITY OF RALEIGH CONSENTS TO THE CONNECTION AND EXTENSION OF THE PRIVATE SEWER COLLECTION SYSTEM AS SHOWN ON THIS PLAN. THE MATERIAL AND CONSTRUCTION METHODS USED FOR THIS PROJECT SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE CITY'S PUBLIC UTILITIES HANDBOOK.

CITY OF RALEIGH
PUBLIC UTILITIES DEPARTMENT PERMIT # S-5401(P)

AUTHORIZATION TO CONSTRUCT _____

DATE _____

PUBLIC

WATER DISTRIBUTION/EXTENSION SYSTEM

THE CONSTRUCTION CONTRACTOR RESPONSIBLE FOR THE EXTENSION OF WATER, SEWER AND/OR REUSE, AS APPROVED IN THESE PLANS, IS RESPONSIBLE FOR CONTACTING THE PUBLIC UTILITIES DEPARTMENT AT LEAST 24 HOURS PRIOR TO BEGINNING ANY OF THEIR CONSTRUCTION.

FALIURE TO NOTIFY BOTH CITY DEPARTMENTS IN ADVANCE OF BEGINNING CONSTRUCTION WILL RESULT IN THE ISSUANCE OF MONETARY FINES, AND REQUIRE REINSTALLATION OF ANY WATER OR SEWER FACILITIES NOT INSPECTED AS A RESULT OF THIS NOTIFICATION FAILURE.

FAILURE TO CALL FOR INSPECTION, INSTALL A DOWNSTREAM PLUG, HAVE PERMITTED PLANS ON THE JOBSITE, OR ANY OTHER VIOLATION OF CITY OF RALEIGH STANDARDS WILL RESULT IN A FINE AND POSSIBLE EXCLUSION FROM FUTURE WORK IN THE CITY OF RALEIGH.

City of Raleigh Development Approval _____

Raleigh Water Review Officer _____

ATTENTION CONTRACTORS

SITE PERMITTING APPROVAL

Water and Sewer Permits (If Applicable)
The City of Raleigh consents to the connection and extension of the City's Public Sewer System as shown on the material and construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook. City of Raleigh Public Utilities Department Permit # S-XXXX

The City of Raleigh consents to the connection and extension of the City's Public Water System as shown on the material and construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook. City of Raleigh Public Utilities Department Permit # W-XXXX

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION
Engineering Approval: This approval is being issued electronically. This approval is valid only upon the signature of a City of Raleigh Review Officer Below. The City will retain a copy of the approved plans. Any work authorized by this approval must proceed in accordance with the approved plans. Any changes made to the approved plans must be edited once issued. Any modification to this approval once issued will invalidate this approval.

City of Raleigh Development Approval _____

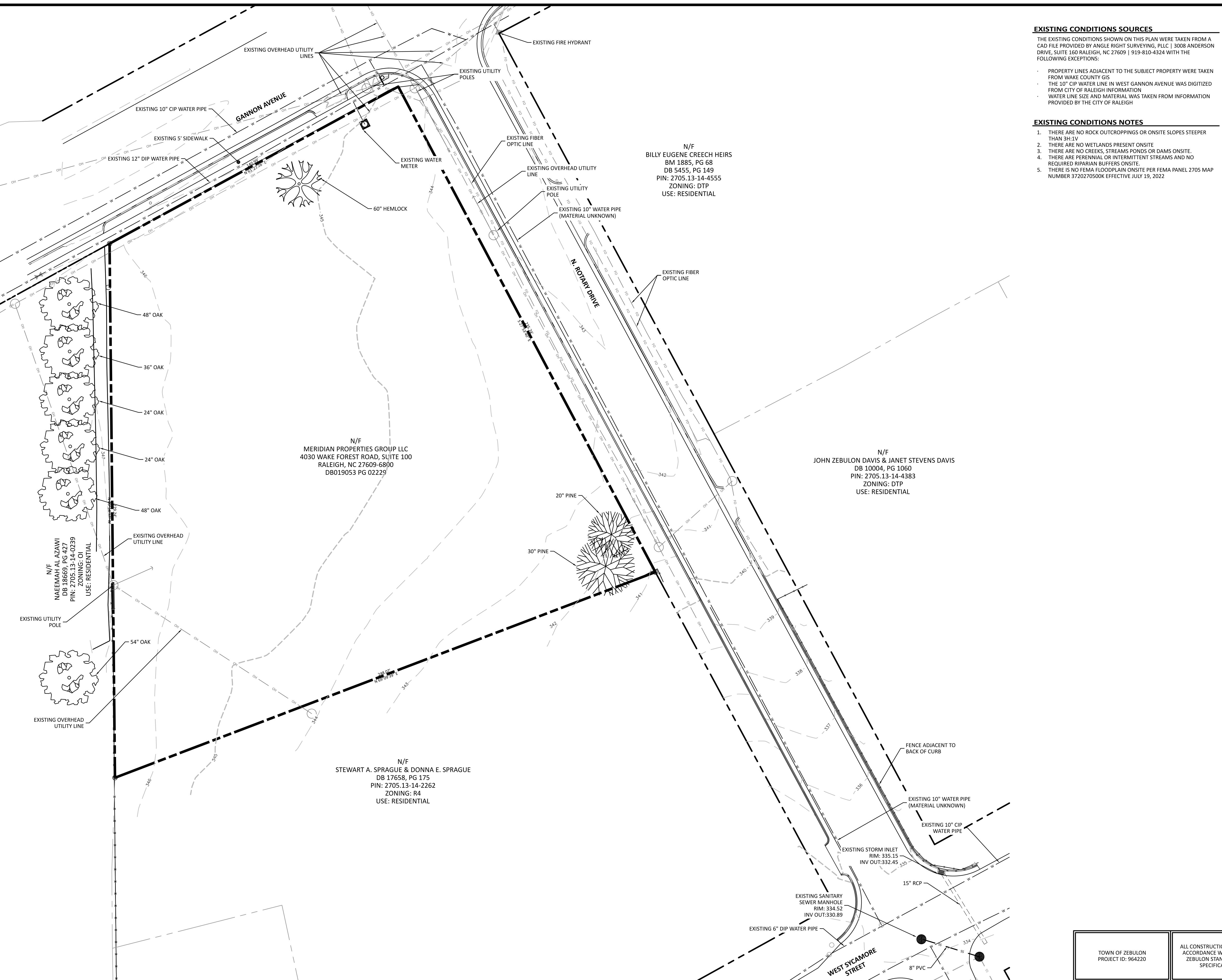
Raleigh Water Review Officer _____

TOWN OF ZEBULON
PROJECT ID: 964220

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH TOWN OF ZEBULON STANDARDS AND SPECIFICATIONS

N The Nau Company
Consulting Civil Engineers
PO Box 810 Rolesville, NC 27571
919-435-6395
NCBELS License P-0751

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION



The Nau Company
Consulting Civil Engineers
PO Box 810 Rolesville, NC 27571
919-435-6395
NCBELS License P-0751

MERIDIAN PROPERTIES GROUP, LLC
4030 WAKE FOREST ROAD, SUITE 100
RALEIGH, NC 27609
919-621-4648

EXISTING CONDITIONS PLAN	
ZEBULON, NC	
401 JANNON AVENUE	
SITE PLAN AND CONSTRUCTION DRAWINGS	
4	2025 07 10
EFFECTIVE DATE / RELEASE VERSION / EXPIRATION COMMENTS	

7/10/2023

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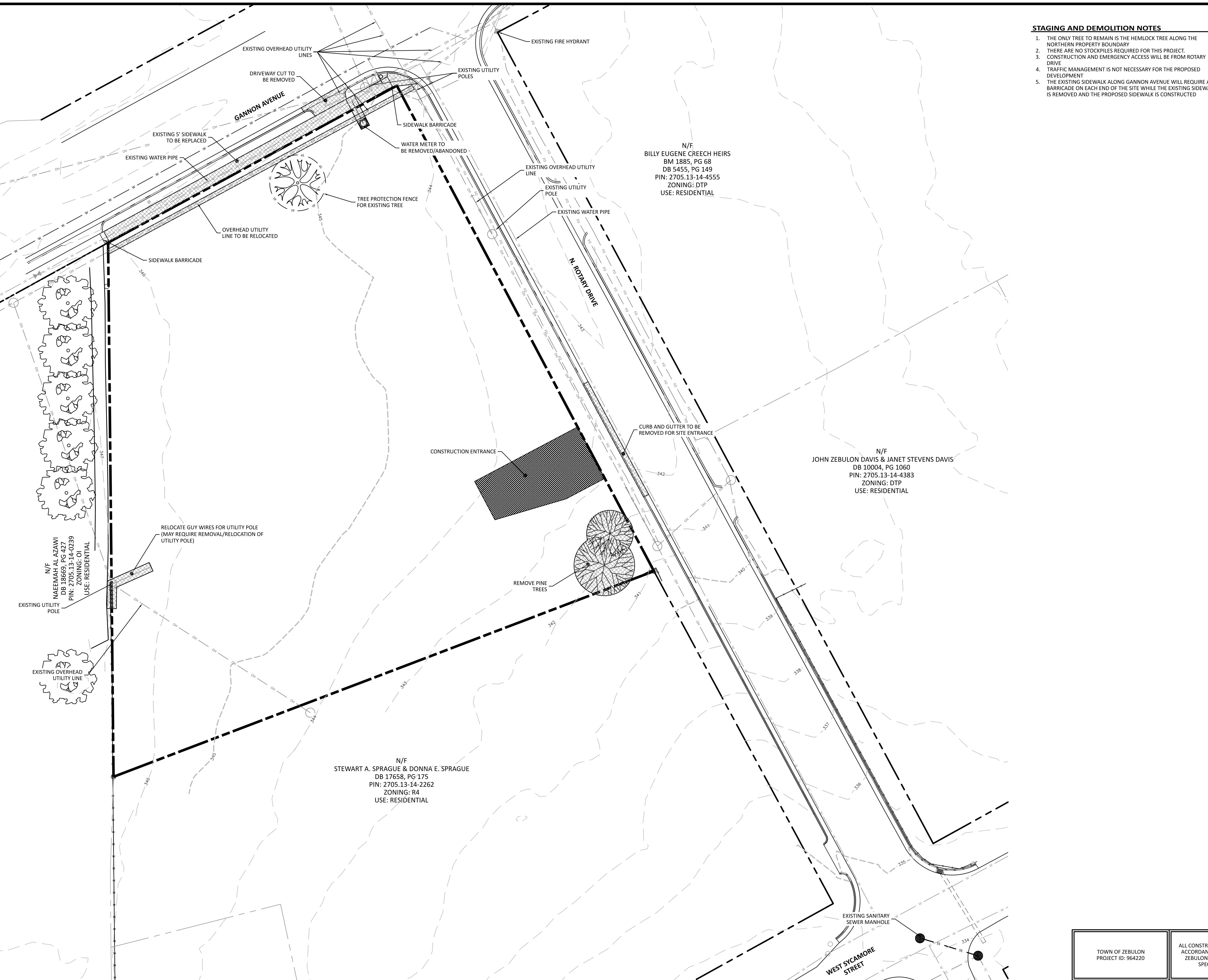
WNL BY

57

$T = 20$

2023-03-01

C1.0



TOWN OF ZEBULON
PROJECT ID: 964220

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH TOWN OF ZEBULON STANDARDS AND SPECIFICATIONS

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SCALE: 1"=20'
PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

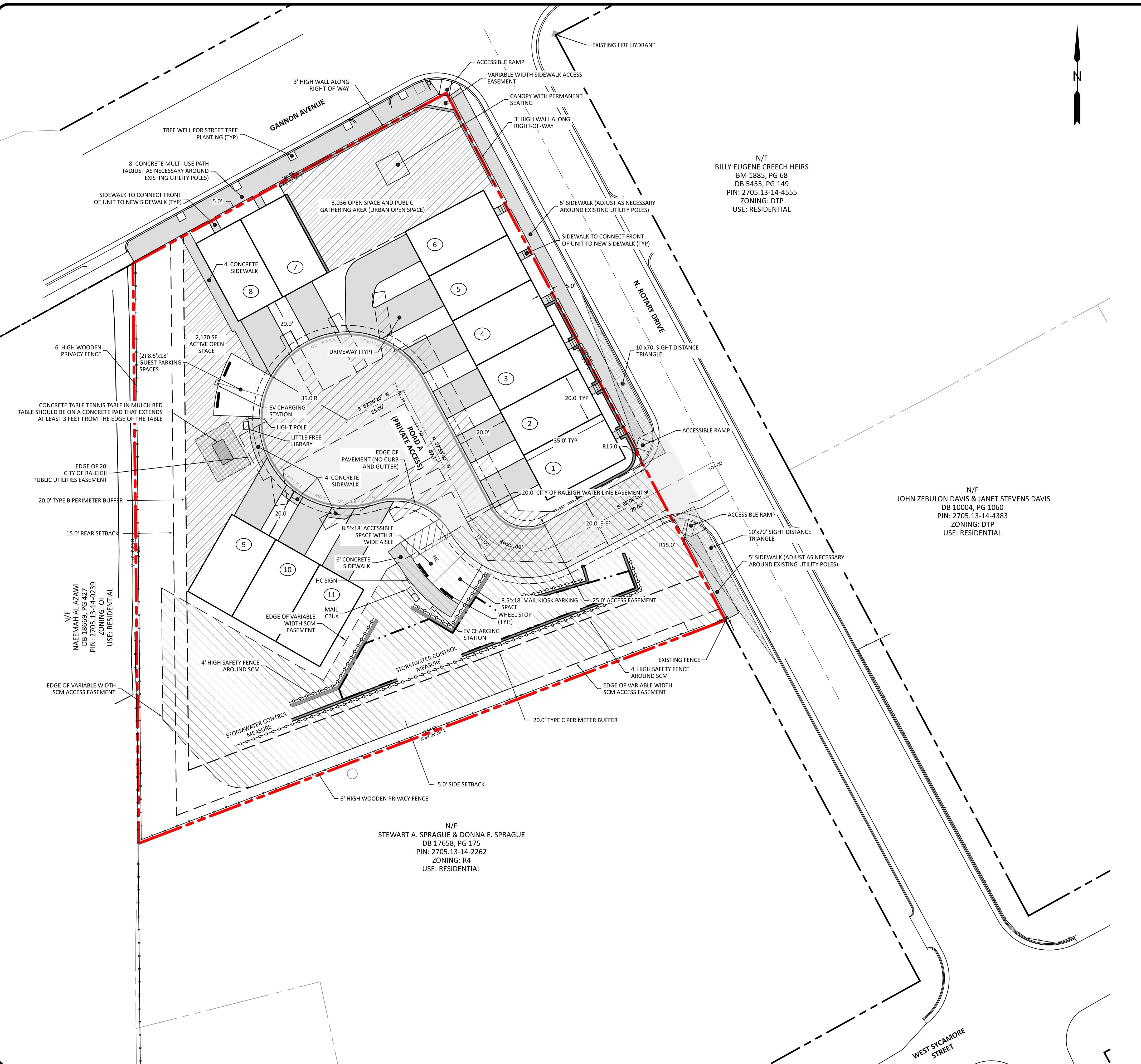
The Nau Company
Consulting Civil Engineers
PO Box 810 Rolesville, NC 27571
919.435.6395
NCBEL License P-0751

OWNER/DEVELOPER:
MERIDIAN PROPERTIES GROUP, LLC
4030 WAKE FOREST ROAD, SUITE 100
RALEIGH, NC 27609
919.521.4648

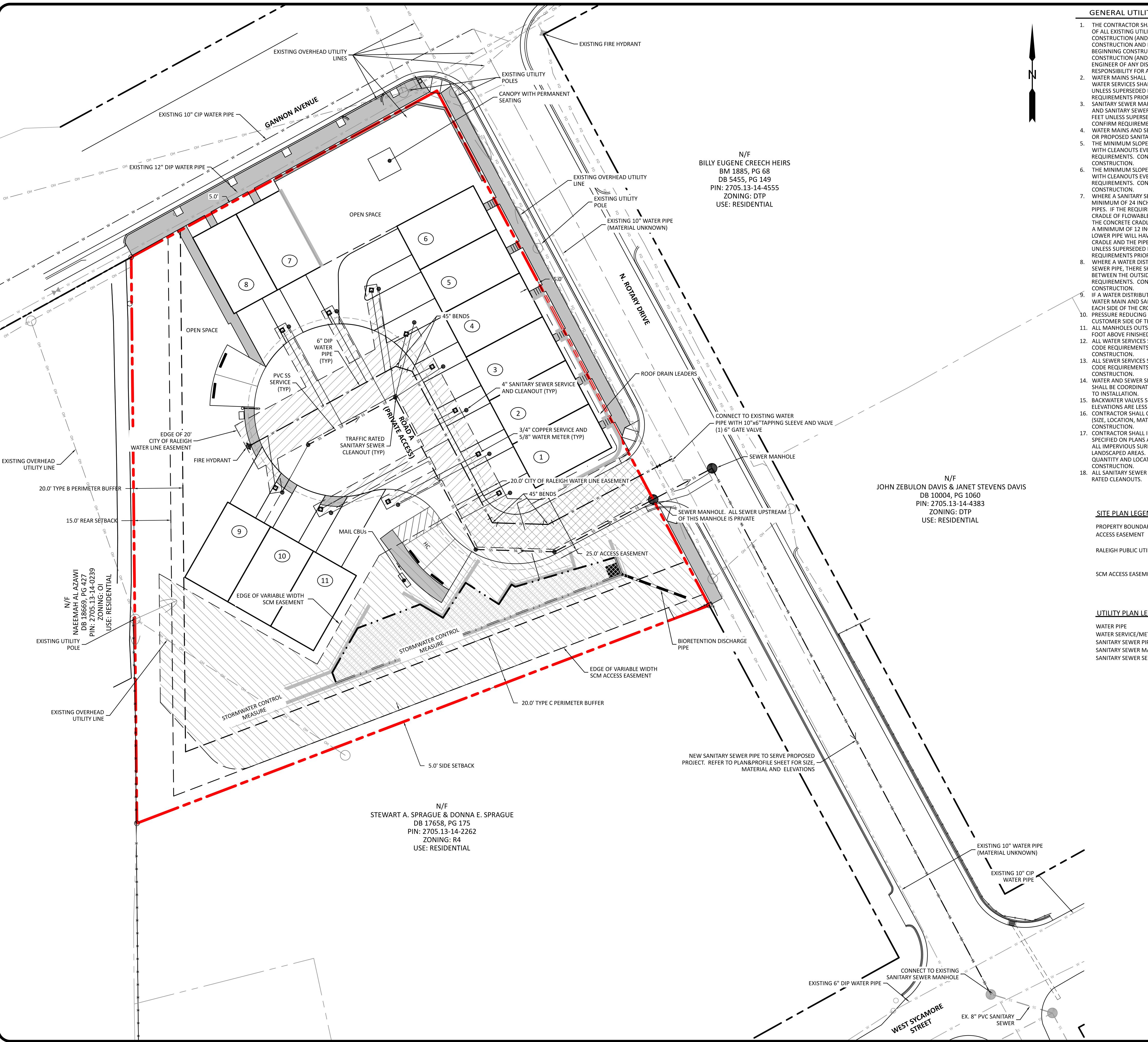
401 GANNON AVENUE
SITE PLAN AND CONSTRUCTION DRAWINGS
ZEBULON, NC
STAGING AND DEMOLITION PLAN

7/10/2023
REAL
SARAH P. EAKINS
PROJECT NO.: ---

DESIGN BY: JPE
DRAWN BY: JPE
SCALE: 1"=20'
DATE: 2023-03-01
SHEET NO: C1.1



SITE PLAN LEGEND		CONDITIONAL REZONING	
PROPERTY BOUNDARY		THIS PROJECT HAS INCORPORATED ELEMENTS REQUIRED AS PART OF THE CONDITIONAL REZONING THAT WAS APPROVED BY THE PLANNING BOARD:	
ACCESS EASEMENT		1. CONSTRUCTION OF A FENCE ALONG THE ADJACENT RESIDENTIAL PROPERTY LINES	
RALEIGH PUBLIC UTILITIES EASEMENT		2. CONSTRUCTION OF A 3-FOOT WALL ALONG THE STREET SIDE PROPERTY LINES	
SCM ACCESS EASEMENT		3. CONSTRUCTION OF STRUCTURES SIMILAR TO THE REVISIONS PRESENTED AT THE NOVEMBER 14, 2022 MEETING	
GENERAL NOTES			
1. THE DEVELOPER, CONTRACTOR, SUBCONTRACTORS AND SURVEYOR SHALL CONFIRM THAT THE MOST CURRENT SET OF PLANS AND/OR PLAN SHEET(S) ARE BEING USED FOR CONSTRUCTION AND SHALL KEEP A COPY OF SAID PLANS ON-SITE OR OTHERWISE AVAILABLE FOR REVIEW BY THE OWNER, THE OWNER'S REPRESENTATIVE(S) AND THE PERMITTING AUTHORITIES.			
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL SCHEDULE A RECONSTRUCTION CONSTRUCTION MEETING WITH THE PERMITTING AUTHORITIES AND A REPRESENTATIVE OF THE OWNER.			
3. THE CONTRACTOR SHALL CONFIRM THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED FOR THE PROPOSED CONSTRUCTION. BEGINNING ANY ASPECT OF CONSTRUCTION OR FABRICATING ANY ITEM PRIOR TO RECEIVING ALL PLANS AND APPROPRIATE DOCUMENTATION OF APPROVAL SHALL CAUSE THE CONTRACTOR TO ASSUME FULL RESPONSIBILITY FOR ANY SUBSEQUENT MODIFICATIONS MADE TO THE PLANS.			
4. THE CONTRACTOR SHALL CONFIRM THAT ALL CONSTRUCTION AND CONSTRUCTION MATERIALS ARE IN ACCORDANCE WITH THE PERMITS ISSUED AND THE LATEST APPLICABLE FEDERAL, STATE, COUNTY AND LOCAL CODES. IN THE EVENT OF CONFLICT BETWEEN ANY OF THESE STANDARDS, SPECIFICATIONS, OR PLANS, THE MOST STRINGENT SHALL GOVERN.			
5. THE CONTRACTOR SHALL DETERMINE AND BE RESPONSIBLE FOR THE MEANS AND METHODS USED FOR THE CONSTRUCTION OF THE PROPOSED CONSTRUCTION ON THESE PLANS.			
6. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE APPROPRIATE PERMITTING AUTHORITY TO PROVIDE THE REQUIRED COORDINATION, DOCUMENTATION AND INSPECTIONS FOR THE RELOCATION OF, OR CONNECTION TO ANY EXISTING UTILITIES.			
7. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING INSPECTIONS REQUIRED TO PREPARE AS-BUILT CERTIFICATIONS.			
8. THE DEVELOPER IS RESPONSIBLE FOR OBTAINING ANY OFFSITE AGREEMENTS.			
9. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL VERIFY THAT ALL NECESSARY RIGHT OF WAY EASEMENTS AND ENCROACHMENT AGREEMENTS HAVE BEEN OBTAINED.			
10. THE CONTRACTOR SHALL CONFIRM THE LOCATION AND ELEVATION OF ALL EXISTING UTILITIES (INCLUDING STORM STRUCTURES) WITHIN THE LIMITS OF CONSTRUCTION PRIOR TO BEGINNING CONSTRUCTION AND NOTIFY THE OWNER OR ENGINEER OF ANY DISCREPANCIES. BEGINNING CONSTRUCTION PRIOR TO LOCATING UTILITIES WITHIN THE LOTS OF CONSTRUCTION AND NOTIFYING THE OWNER OR ENGINEER OF ANY DISCREPANCIES SHALL CAUSE THE CONTRACTOR TO ASSUME FULL RESPONSIBILITY FOR ANY SUBSEQUENT MODIFICATIONS TO THEIR WORK.			
11. DEPARTURES FROM THE APPROVED CONSTRUCTION DRAWINGS, MUNICIPAL SPECIFICATIONS OR ISSUED PERMITS THAT ARE DEEMED NECESSARY SHALL COORDINATED WITH THE APPROPRIATE PERMITTING AUTHORITY. CHANGES MADE WITHOUT THE APPROPRIATE APPROVAL SHALL CAUSE THE CONTRACTOR TO ASSUME RESPONSIBILITY FOR ANY SUBSEQUENT MODIFICATIONS TO THEIR WORK.			
12. THE STAKING SURVEYOR AND/OR THEIR SUBCONTRACTOR SHALL INDEPENDENTLY VERIFY THE HORIZONTAL AND VERTICAL DATUM FOR THIS PROJECT PRIOR TO CONSTRUCTION.			
13. RETAINING WALLS SHALL BE DESIGNED BY OTHERS.			
14. THE CONTRACTOR SHALL NOTE THAT THE PLANS DO NOT SHOW EVERY OFFSET, TRANSITION, FITTING ETC. THAT MAY BE REQUIRED FOR CONSTRUCTION.			
15. ALL GROUND DIMENSIONS, SLOPES TO BUILDING ACCESS/GRESS POINTS, HANDICAP RAMPS/PARKING SPACES, STRIPPING AND PAVEMENT MARKINGS SHALL CONFORM TO ADA REQUIREMENTS AND THE NORTH CAROLINA STATE BUILDING CODE. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ADA CONFORMANCE PRIOR TO ANY CONSTRUCTION.			
16. ALL DIMENSIONS ARE TO BACK-OF-CURB UNLESS OTHERWISE NOTED.			
17. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR ANY VAL BUILDING DIMENSIONS AND CONFIRM THAT ANY/ALL BUILDINGS CONFORM TO THE APPROVED CIVIL PLANS PRIOR TO ANY CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.			
18. CONTRACTOR SHALL CONFIRM ALL COMPACTION REQUIREMENTS WITH THE GEOTECHNICAL ENGINEER.			
OWNER/DEVELOPER:		401 GANNON AVENUE AND CONSTRUCTION DRAWINGS	
MERIDIAN PROPERTIES GROUP, LLC 4030 WAKE FOREST ROAD, SUITE 100 RALEIGH, NC 27609 919-521-4648		REVISIONS	
1 2023-07-10 LAYOUT UPDATES AND REVISIONS PER TOWN COMMENTS		1 2023-09-14 LAYOUT UPDATES AND REVISIONS PER TOWN AND COUNTY COMMENTS	
2 2023-12-20 LAYOUT UPDATES AND REVISIONS PER TOWN AND COUNTY COMMENTS		3 2024-04-15 LAYOUT UPDATES AND REVISIONS PER TOWN AND COUNTY COMMENTS	
4 2024-06-19 LAYOUT UPDATES AND REVISIONS PER TOWN AND COUNTY COMMENTS		5 2024-07-17 LAYOUT UPDATES AND REVISIONS PER TOWN AND COUNTY COMMENTS	
SITE PLAN		SEAL	
N/A		J. JEFFREY B. BECKETT ENGINEER N.C. STATE BOARD OF PROFESSIONAL ENGINEERS REGISTRATION NO. 26411 7/17/2024	
N/F NAEEMA AL AZAMI DB 38669, PG 327 PIN: 2705-13-14-0239 ZONING: O1 USE: RESIDENTIAL		PROJECT NO: ---	
N/F STEWART A. SPRAGUE & DONNA E. SPRAGUE DB 17658, PG 175 PIN: 2705-13-14-2262 ZONING: R4 USE: RESIDENTIAL		DESIGN BY: JPE	
N/F BILLY EUGENE CREECH HEIRS BM 1885, PG 68 DB 5455, PG 149 PIN: 2705-13-14-4555 ZONING: DTP USE: RESIDENTIAL		DRAWN BY: JPE	
N/F JOHN ZEBULON DAVIS & JANET STEVENS DAVIS DB 10004, PG 1060 PIN: 2705-13-14-4383 ZONING: DTP USE: RESIDENTIAL		SCALE: 1"=20'	
N/F WEST SYCAMORE STREET		DATE: 2023-03-01	
TOWN OF ZEBULON PROJECT ID: 964220		SHEET NO: C2.0	
ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH TOWN OF ZEBULON STANDARDS AND SPECIFICATIONS		PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION	
20 0 10 20 40		SCALE: 1"=20'	



GENERAL UTILITY NOTES

- THE CONTRACTOR SHALL CONFIRM THE SIZE, LOCATION, CONDITION AND ELEVATION OF ALL EXISTING UTILITIES (INCLUDING STORM STRUCTURES) WITHIN THE LIMITS OF CONSTRUCTION (AND/OR TO BE CONNECTED TO) PRIOR TO BEGINNING CONSTRUCTION AND NOTIFY THE OWNER OR ENGINEER OF ANY DISCREPANCIES BEGINNING CONSTRUCTION PRIOR TO LOCATING UTILITIES WITHIN THE LIMITS OF CONSTRUCTION (AND/OR TO BE CONNECTED TO) AND NOTIFYING THE OWNER OR ENGINEER OF ANY DISCREPANCIES. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY SUBSEQUENT MODIFICATION TO THE WORK.
- WATER MAINS SHALL BE INSTALLED WITH A MINIMUM COVER OF 42 INCHES AND WATER SERVICES SHALL BE INSTALLED WITH A MINIMUM COVER OF 36 INCHES UNLESS SUPERSEDED BY LOCAL CODE REQUIREMENTS. CONTRACTOR SHALL CONFIRM REQUIREMENTS PRIOR TO ANY CONSTRUCTION.
- SANITARY SEWER MAINS SHALL BE INSTALLED WITH A MINIMUM COVER OF 5 FEET AND SANITARY SEWER SERVICES SHALL BE INSTALLED WITH A MINIMUM COVER OF 3 FEET UNLESS SUPERSEDED BY LOCAL CODE REQUIREMENTS. CONTRACTOR SHALL CONFIRM REQUIREMENTS PRIOR TO ANY CONSTRUCTION.
- WATER MAINS AND SERVICES SHALL BE INSTALLED AT LEAST 10 FEET FROM EXISTING OR PROPOSED SANITARY SEWER MAINS AND SERVICES.
- THE MINIMUM SLOPE FOR 4 INCH SANITARY SEWER LINES SHALL BE NO LESS THAN 2% WITH CLEANOUTS EVERY 75 FEET UNLESS SUPERSEDED BY LOCAL CODE REQUIREMENTS. CONTRACTOR SHALL CONFIRM REQUIREMENTS PRIOR TO ANY CONSTRUCTION.
- THE MINIMUM SLOPE FOR 6 INCH SANITARY SEWER LINES SHALL BE NO LESS THAN 1% WITH CLEANOUTS EVERY 75 FEET UNLESS SUPERSEDED BY LOCAL CODE REQUIREMENTS. CONTRACTOR SHALL CONFIRM REQUIREMENTS PRIOR TO ANY CONSTRUCTION.
- WHERE A SANITARY SEWER PIPE CROSSES A STORM SEWER PIPE, THERE SHALL BE A MINIMUM OF 24 INCHES VERTICAL SEPARATION BETWEEN THE OUTSIDE OF THE PIPES. IF THE REQUIRED VERTICAL SEPARATION IS NOT POSSIBLE, A CONCRETE CRADLE OF FLOWABLE FILL SHALL BE INSTALLED TO THE SPRINGLINE OF BOTH PIPES. THE CRADLE SHALL BE A MAXIMUM OF 12 INCHES DEEP AND 12 INCHES WIDE A MINIMUM OF 12 INCHES BEYOND THE OUTSIDE EDGES OF THE LARGER PIPE. THE LOWER PIPE WILL HAVE 1 INCH THICK COMPRESSIBLE JOINT MATERIAL BETWEEN THE CRADLE AND THE PIPE. THE MINIMUM SEPARATION WITH A CRADLE IS 6 INCHES UNLESS SUPERSEDED BY LOCAL CODE REQUIREMENTS. CONTRACTOR SHALL CONFIRM REQUIREMENTS PRIOR TO ANY CONSTRUCTION.
- WHERE A WATER DISTRIBUTION MAIN CROSSES A SANITARY SEWER PIPE OR A STORM SEWER PIPE, THERE SHALL BE A MINIMUM OF 18 INCHES VERTICAL SEPARATION BETWEEN THE OUTSIDE OF THE PIPES UNLESS SUPERSEDED BY LOCAL CODE REQUIREMENTS. CONTRACTOR SHALL CONFIRM REQUIREMENTS PRIOR TO ANY CONSTRUCTION.
- IF A WATER DISTRIBUTION MAIN CROSSES UNDER A SANITARY SEWER PIPE BOTH THE WATER MAIN AND SANITARY SEWER MAIN SHALL BE DUCTILE IRON PIPE FOR 10 FEET EACH SIDE OF THE CROSSING.
- PRESSURE REDUCING VALVES SHALL BE PROVIDED IF THE PRESSURE ON THE CUSTOMER SIDE OF THE METER IS GREATER THAN 80 PSI.
- ALL LANDSCAPED PAVED AREAS SHALL HAVE A RIM ELEVATION OF ONE FOOT ABOVE FINISHED GRADE.
- ALL WATER SERVICES SHALL BE 1 INCH TYPE K COPPER UNLESS SUPERSEDED BY LOCAL CODE REQUIREMENTS. CONTRACTOR SHALL CONFIRM REQUIREMENTS PRIOR TO ANY CONSTRUCTION.
- ALL SEWER SERVICES SHALL BE 4 INCH SDR 26 PVC UNLESS SUPERSEDED BY LOCAL CODE REQUIREMENTS. CONTRACTOR SHALL CONFIRM REQUIREMENTS PRIOR TO ANY CONSTRUCTION.
- WATER AND SEWER SERVICE LOCATIONS (INCLUDING BUILDING PENETRATIONS) SHALL BE COORDINATED WITH THE MEP PLANS AND APPROVED BY THE OWNER PRIOR TO INSTALLATION.
- BACKWATER VALVES SHALL BE PROVIDED AT ALL LOCATIONS WHERE FIRST FLOOR ELEVATIONS ARE LESS THAN 1 FOOT ABOVE THE ADJACENT UPSTREAM MANHOLE.
- CONTRACTOR SHALL CONFIRM/COORDINATE ALL UTILITY CONNECTIONS TO BUILDING (SIZE, LOCATION, MATERIAL AND ELEVATION) WITH MEP PLANS PRIOR TO ANY CONSTRUCTION.
- CONTRACTOR SHALL INSTALL (2) 4" PVC IRRIGATION SLEEVES AT ALL LOCATIONS SPECIFIED ON PLANS AT A MINIMUM. IRRIGATION SLEEVES SHALL EXTEND ACROSS ALL IMPERVIOUS SURFACES (SIDEWALKS, DRIVE AISLES, ETC.) TO CONNECT ALL LANDSCAPED AREAS. CONTRACTOR SHALL COORDINATE IRRIGATION SLEEVE SIZE, QUANTITY AND LOCATIONS WITH IRRIGATION CONTRACTOR PRIOR TO ANY CONSTRUCTION.
- ALL SANITARY SEWER CLEANOUTS LOCATED WITHIN PAVEMENT SHALL BE TRAFFIC RATED CLEANOUTS.

SITE PLAN LEGEND

PROPERTY BOUNDARY	
ACCESS EASEMENT	
RALEIGH PUBLIC UTILITIES EASEMENT	
SCM ACCESS EASEMENT	

UTILITY PLAN LEGEND

WATER PIPE	
WATER SERVICE/METER	
SANITARY SEWER PIPE	
SANITARY SEWER MANHOLE	
SANITARY SEWER SERVICE/CLEANOUT	

ATTENTION CONTRACTORS

THE CONSTRUCTION CONTRACTOR RESPONSIBLE FOR THE EXTENSION OF WATER, SEWER AND/OR REUSE, AS APPROVED IN THESE PLANS, IS RESPONSIBLE FOR CONTACTING THE PUBLIC UTILITIES DEPARTMENT AT 919-243-5200 AT LEAST 24 HOURS PRIOR TO BEGINNING ANY OF THEIR CONSTRUCTION.

FAILURE TO NOTIFY BOTH CITY DEPARTMENTS IN ADVANCE OF BEGINNING CONSTRUCTION WILL RESULT IN THE ISSUANCE OF MONETARY FINES, AND REQUIRE REINSTALLATION OF ANY WATER OR SEWER FACILITIES NOT INSPECTED AS A RESULT OF THIS NOTIFICATION FAILURE.

FAILURE TO CALL FOR INSPECTION, INSTALL A DOWNSTREAM PLUG, HAVE PERMITTED PLANS ON THE JOBSITE, OR ANY OTHER VIOLATION OF CITY OF RALEIGH STANDARDS WILL RESULT IN A FINE AND POSSIBLE EXCLUSION FROM FUTURE WORK IN THE CITY OF RALEIGH.

PRIVATE

SEWER COLLECTION/EXTENSION SYSTEM

THE CITY OF RALEIGH CONSENTS TO THE CONNECTION AND EXTENSION OF THE CITY'S PUBLIC SEWER SYSTEM AS SHOWN ON THIS PLAN. THE MATERIAL AND CONSTRUCTION METHODS USED FOR THIS PROJECT SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE CITY'S PUBLIC UTILITIES HANDBOOK.

CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT PERMIT # S-5401(P)

AUTHORIZATION TO CONSTRUCT _____

DATE _____

PUBLIC

WATER DISTRIBUTION/EXTENSION SYSTEM

THE CITY OF RALEIGH CONSENTS TO THE CONNECTION TO ITS PUBLIC WATER SYSTEM AS SHOWN ON THIS PLAN. THE MATERIAL AND CONSTRUCTION METHODS USED FOR THIS PROJECT SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE CITY'S PUBLIC UTILITIES HANDBOOK.

CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT PERMIT # W-4085

AUTHORIZATION TO CONSTRUCT _____

DATE _____

CITY OF RALEIGH STANDARD UTILITY NOTES

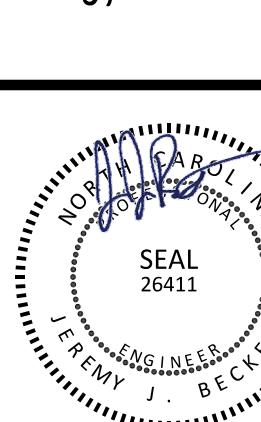
- ALL MATERIALS & CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH CITY OF RALEIGH DESIGN STANDARDS, DETAILS & SPECIFICATIONS (REFERENCE: CORPUD HANDBOOK, CURRENT EDITION)
- UTILITY SEPARATION REQUIREMENTS: A) DISTANCE: 100' SHALL BE MAINTAINED BETWEEN SANITARY SEWER & ANY PRIVATE OR PUBLIC WATER MAINS. B) SEPARATION: A 100' MINIMUM HORIZONTAL SEPARATION SHALL BE MAINTAINED 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 & 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 FROM 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 WATERMAIN, DIP MATERIALS OR STEEL ENCASING EXTENDED 10' ON EACH SIDE OF CROSSING MUST BE SPECIFIED & INSTALLED TO WATERLINE SPECIFICATIONS D) 5.0' MINIMUM HORIZONTAL SEPARATION IS REQUIRED BETWEEN ALL SANITARY SEWER & STORM SEWER FACILITIES, UNLESS DIP MATERIAL IS SPECIFIED FOR SANITARY SEWER. E) 18" MIN. VERTICAL SEPARATION AT ALL WATER & SEWER & PCP DRAINS. F) 18" MIN. VERTICAL SEPARATION AT ALL SANITARY SEWER & ACPC STORM DRAIN CROSSINGS. WHERE ADEQUATE SEPARATIONS CANNOT BE ACHIEVED, SPECIFY DIP MATERIALS & A CONCRETE CRADLE HAVING 6" MIN. CLEARANCE. PER CORPUD DETAILS W41 & S-49) F) ALL OTHER UNDERGROUND UTILITIES SHALL CROSS WATER & SEWER FACILITIES WITH 18" MIN. VERTICAL SEPARATION REQUIRED.
- ANY NECESSARY FIELD REVISIONS ARE SUBJECT TO REVIEW & APPROVAL OF AN AMENDED PLAN &/OR PROFILE BY THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT PRIOR TO CONSTRUCTION
- DEViations FROM ALL PLANS & PROFILE DRAWINGS WRITTEN NOTICE TO OWNER FOR ANY WORK REQUIRED WITHIN AN EXISTING CITY OF RALEIGH UTILITY EASEMENT TRaversing PRIVATE PROPERTY
- 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 RALEIGH PUBLIC UTILITIES DEPARTMENT
- 3.0' MINIMUM COVER IS REQUIRED ON ALL WATER MAINS & SEWER MAINS. 20.0' MINIMUM COVER IS REQUIRED ON ALL REUSE MAINS
- 10' IS THE DEVELOPER'S RESPONSIBILITY TO ABANDON OR REMOVE EXISTING WATER & SEWER SERVICES NOT BEING USED IN THE REDEVELOPMENT OF A SITE UNLESS OTHERWISE DIRECTED BY THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT. THIS INCLUDES ABANDONING TAP AT MAIN & REMOVAL OF SERVICE FROM ROW OR EASEMENT PER CORPUD HANDBOOK PROCEDURE
- INSTALL 1/2" COPPER WATER SERVICES WITH METERS LOCATED AT ROW OR WITHIN A 2'X2' WATERLINE EASEMENT IMMEDIATELY ADJACENT. NOTWITHSTANDING THE APPLICANT'S RESPONSIBILITY TO PROPERLY SIZE THE WATER SERVICE FOR EACH CONNECTION TO PROVIDE ADEQUATE FLOW & PRESSURE
- INSTALL 4" PVC SEWER SERVICES @ 1.0% MINIMUM GRADE WITH CLEANOUTS LOCATED AT ROW OF EASEMENT LINE & SPACED EVERY 75 LINEAR FEET MAXIMUM
- PRESSURE REDUCING VALVES ARE REQUIRED ON ALL WATER SERVICES EXCEEDING 80 PSI; BACKWATER VALVES ARE REQUIRED ON ALL WATER SERVICES HAVING BUILDING DRAINS LOWER THAN 1.0' ABOVE THE NEXT UPSTREAM MANHOLE
- ALL ELEVATION CHANGES PERTAINING TO THE PROJECT MUST BE OBTAINED FROM NCWDW, USACE &/OR FEMA FOR ANY RIPARIAN BUFFER, WETLAND &/OR FLOODPLAIN IMPACTS (RESPECTIVELY) PRIOR TO CONSTRUCTION
- NCDOT / RAILROAD ENCROACHMENT AGREEMENTS ARE REQUIRED FOR ANY UTILITY WORK (INCLUDING MAIN EXTENSIONS & SERVICE TAPS) WITHIN STATE OR RAILROAD ROW PRIOR TO CONSTRUCTION
- GREASE INTERCEPTOR / OIL WATER SEPARATOR SIZING CALCULATIONS & INSTALLATION SPECIFICATIONS SHALL BE APPROVED BY THE RW FOG PROGRAM COORDINATOR PRIOR TO ISSUANCE OF A UC / BLDG PERMIT. CONTACT (919) 996-4516 OR FOG@RALEIGHNC.GOV FOR MORE INFORMATION
- CROSS CONNECTION CONTROL PROTECTION DEVICES ARE REQUIRED BASED ON DEGREE OF 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 CAROLINA APPROVAL LIST. THE DEVICES SHALL BE INSTALLED AND TESTED (BOTH INITIAL AND PERIODIC TESTING) THROUGH THE CROSS CONNECTION CONTROL PROGRAM'S RECOMMENDATIONS OR THE LOCAL CROSS CONNECTION CONTROL PROGRAM, WHICH EVER IS MORE STRINGENT. A CERTIFICATE OF COMPLIANCE SHALL ALSO BE OBTAINED FROM THE RW
- NOTICE FOR PROJECTS WITH REPLACED OR OVERSIZED MAINS: IF THE CITY'S REIMBURSEMENT FOR AN OVERSIZED MAIN OR URBAN MAIN REPLACEMENT PROJECT IS \$250,000 OR GREATER - THE PROJECT MUST BE PUBLICLY BID

The Nau Company
Consulting Civil Engineers
PO Box 810 Rolesville, NC 27571
919-435-6395
NCBES License P-0751

OWNER/DEVELOPER:
MERIDIAN PROPERTIES GROUP, LLC
4030 WAKE FOREST ROAD, SUITE 100
RALEIGH, NC 27609
919-521-4648

REVISIONS	1 2023-07-20 LAYOUT UPDATES AND REVISIONS FOR TOWN COMMENTS	2 2023-10-14 LAYOUT UPDATES AND REVISIONS FOR TOWN COMMENTS	3 2023-12-20 LAYOUT UPDATES AND REVISIONS FOR TOWN AND COUNTY COMMENTS	4 2024-04-15 LAYOUT UPDATES AND REVISIONS FOR TOWN AND COUNTY COMMENTS

401 GANNON AVENUE SITE PLAN AND CONSTRUCTION DRAWINGS
ZEBULON, NC



4/15/2024

PROJECT NO: ---

DESIGN BY: JPE

DRAWN BY: JPE

SCALE: 1"=20'

DATE: 2023-03-01

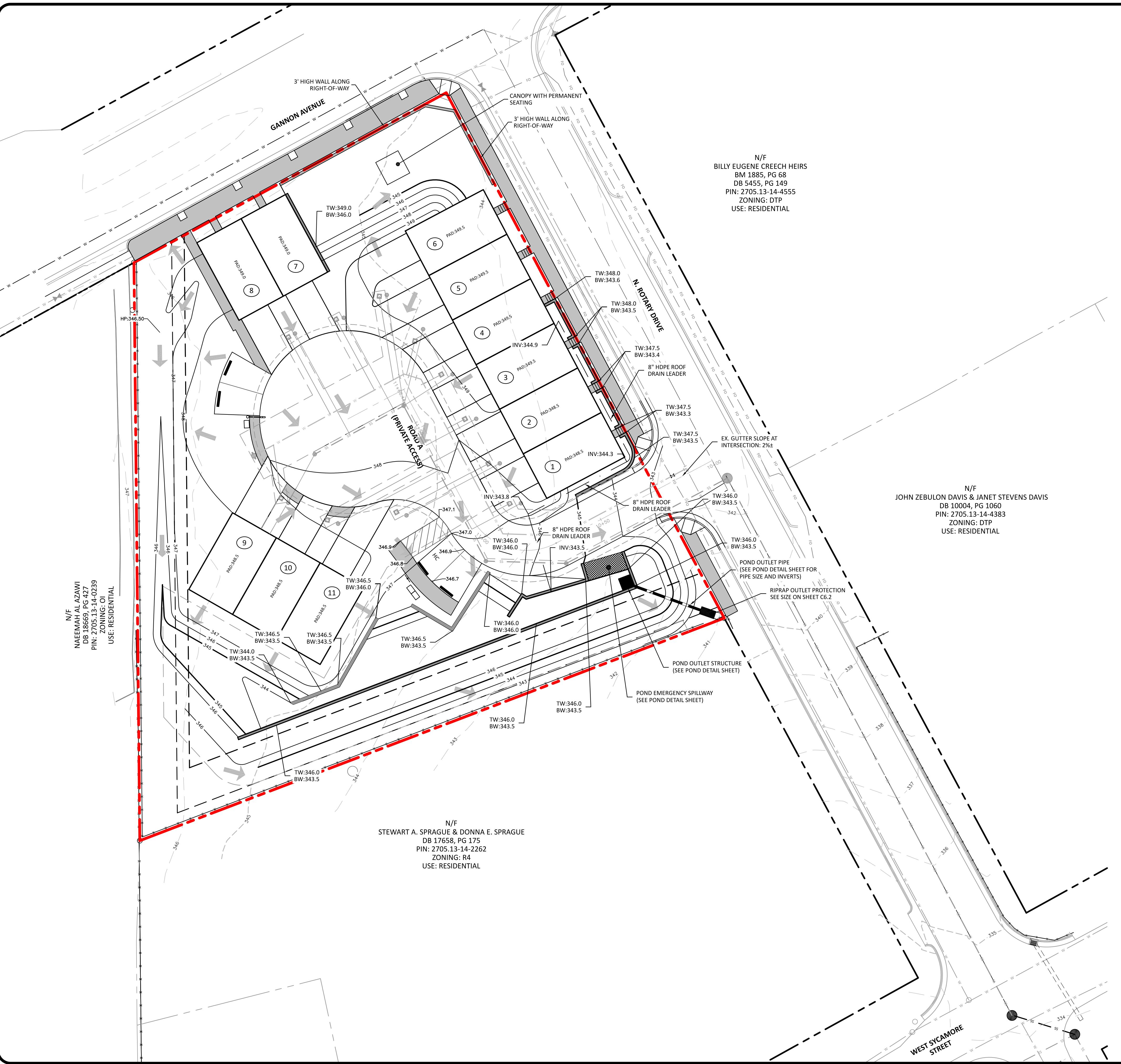
SHEET NO: C3.0

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

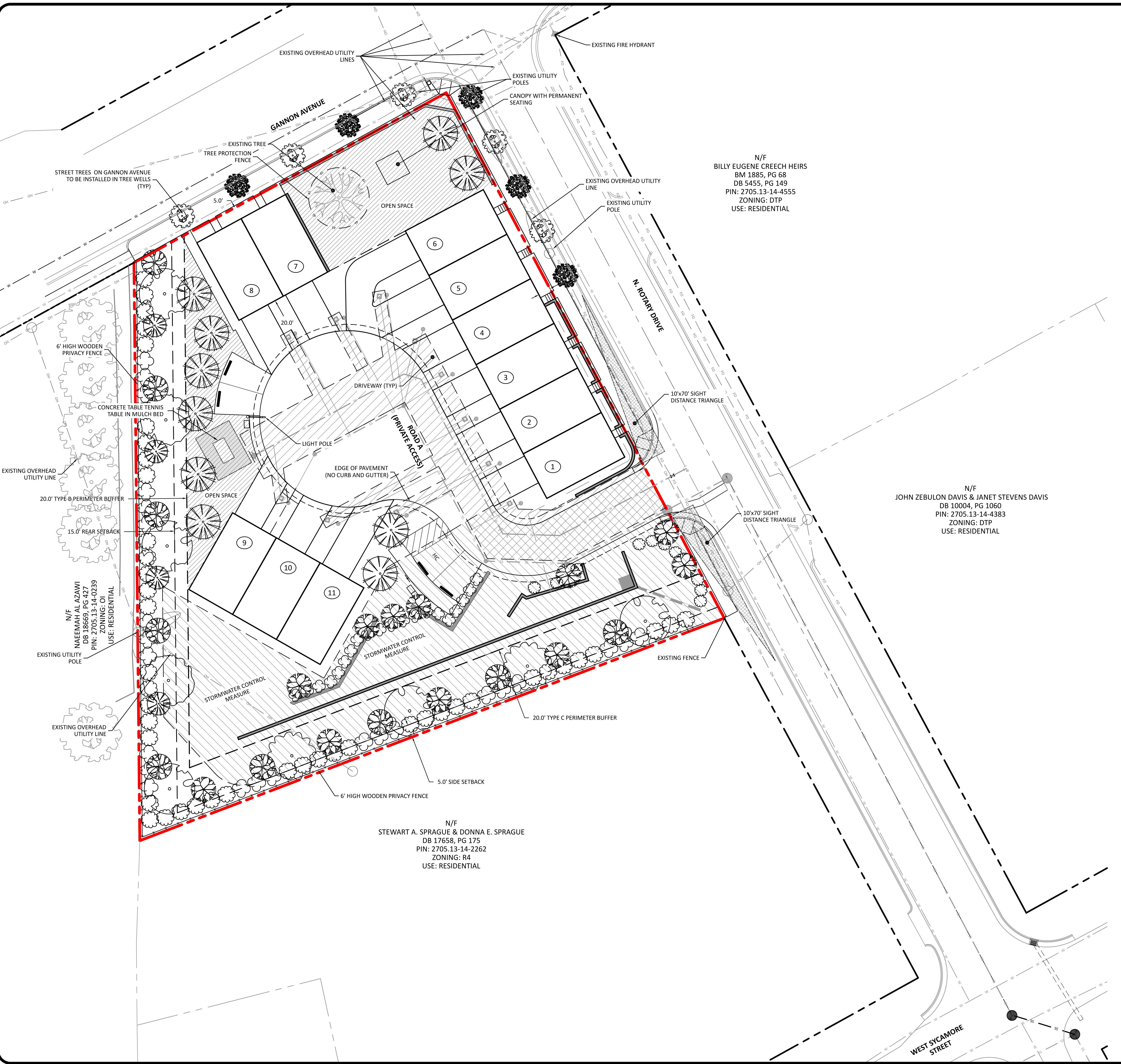
TOWN OF ZEBULON
PROJECT ID: 964220

ALL CONSTRUCTION SHALL BE IN
ACCORDANCE WITH TOWN OF
ZEBULON STANDARDS AND
SPECIFICATIONS

20 0 10 20 40
SCALE: 1"=20'
PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION



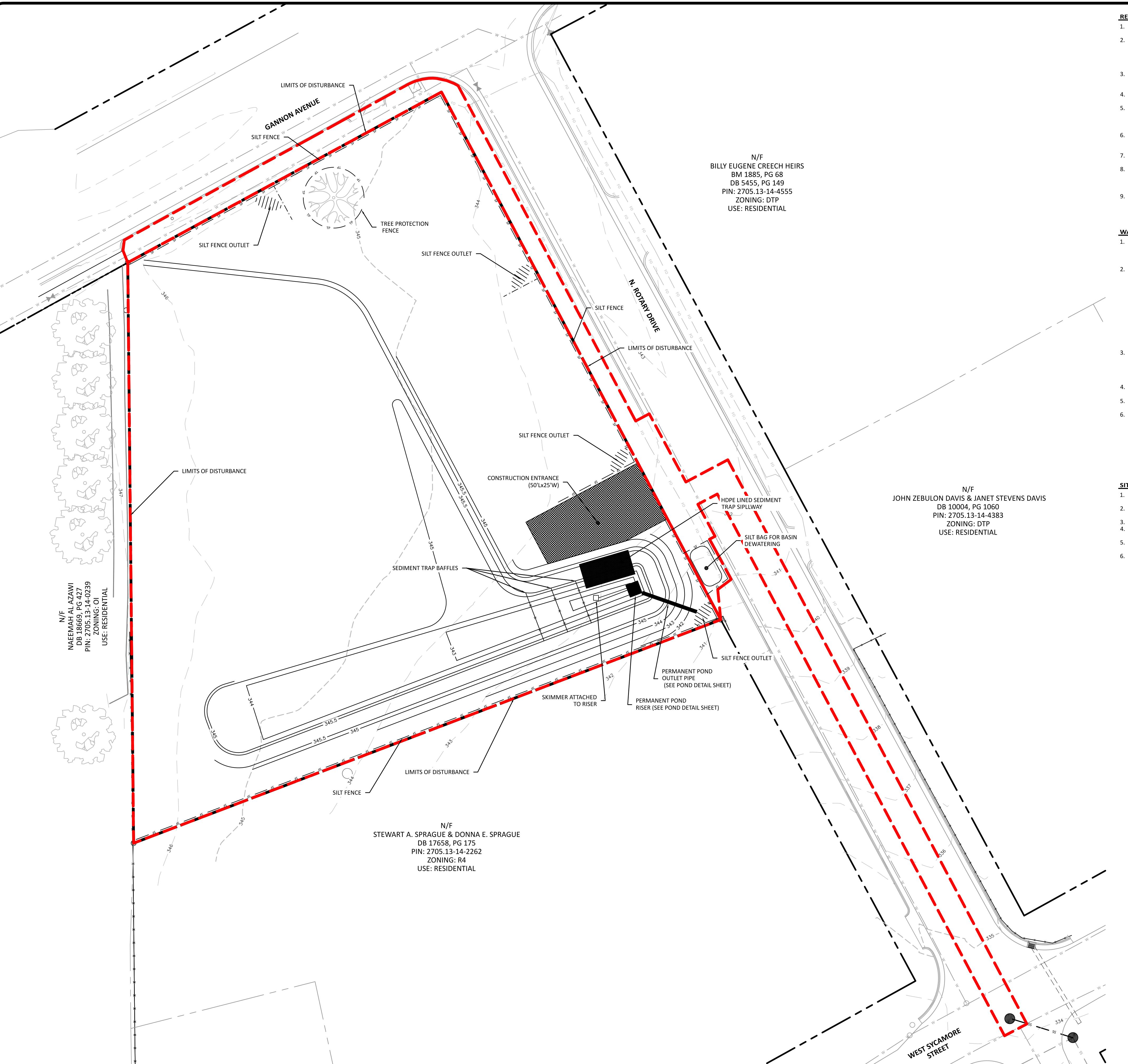
401 GANNON AVENUE SITE PLAN AND CONSTRUCTION DRAWINGS		GRADING AND DRAINAGE PLAN			
REVISIONS		REVISIONS			
1	2023-07-10 LAYOUT UPDATES AND REVISIONS PER TOWN COMMENTS	1	2023-09-14 LAYOUT UPDATES AND REVISIONS PER TOWN AND COUNTY COMMENTS		
2	2023-12-20 LAYOUT UPDATES AND REVISIONS PER TOWN AND COUNTY COMMENTS	2	2024-04-15 LAYOUT UPDATES AND REVISIONS PER TOWN AND COUNTY COMMENTS		
3		3			
4		4			
5		5	2024-06-19 REVISIONS PER TOWN AND COUNTY COMMENTS		
PROJECT NO:		6/19/2024			
DESIGN BY:		JPE			
DRAWN BY:		JPE			
SCALE:		1"=20'			
DATE:		2023-03-01			
SHEET NO:		C4.0			
TOWN OF ZEBULON PROJECT ID: 964220		ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH TOWN OF ZEBULON STANDARDS AND SPECIFICATIONS			
20 0 10 20 40		SCALE: 1"=20'			
PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION					
The Nau Company Consulting Civil Engineers PO Box 810 Rolesville, NC 27571 919-435-6395 NCBELs License #0-751					



401 GANNON AVENUE SITE PLAN AND CONSTRUCTION DRAWINGS		LANDSCAPE PLAN	
REVISIONS			
1	2023-07-20	LAYOUT UPDATES AND REVISIONS PER TOWN COMMENTS	
2	2023-09-14	LAYOUT UPDATES AND REVISIONS PER TOWN AND COUNTY COMMENTS	
3	2023-12-20	LAYOUT UPDATES AND REVISIONS PER TOWN AND COUNTY COMMENTS	
4	2024-04-15	LAYOUT UPDATES AND REVISIONS PER TOWN AND COUNTY COMMENTS	
5	2024-06-19	REVISIONS PER TOWN AND COUNTY COMMENTS	
6	2024-07-17	REVISIONS PER TOWN AND COUNTY COMMENTS	
OWNER/DEVELOPER:		MERIDIAN PROPERTIES GROUP, LLC 4030 WAKE FOREST ROAD, SUITE 100 RALEIGH, NC 27609 919-621-4648	
PROJECT NO.:		---	
DESIGN BY:		JPE	
DRAWN BY:		JPE	
SCALE:		1"=20'	
DATE:		2023-03-01	
SHEET NO.:		C5.0	
TOWN OF ZEBULON PROJECT ID: 964220		ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH TOWN OF ZEBULON STANDARDS AND SPECIFICATIONS	
20 0 10 20 40		SCALE: 1"=20'	
PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION			

SEAL
THE NAU COMPANY CONSULTING CIVIL ENGINEERS
PO Box 810 Rolesville, NC 27571
919-435-6395 NCBELLS License P-0751

7/17/2024



REQUIRED WAKE COUNTY EROSION CONTROL SEQUENCE

1. SCHEDULE A PRECONSTRUCTION CONFERENCE WITH THE ENVIRONMENTAL CONSULTANT. OBTAIN A LANDDISTURBING PERMIT.
 2. INSTALL GRAVEL CONSTRUCTION PAD, TEMPORARY DIVERSIONS, SILT FENCE, SEDIMENT BASINS OR OTHER MEASURES AS SHOWN ON THE APPROVED PLAN. CLEAR ONLY AS NECESSARY TO INSTALL THESE DEVICES. SEED TEMPORARY DIVERSIONS, BERMS AND BASINS IMMEDIATELY AFTER CONSTRUCTION.
 3. CALL ENVIRONMENTAL CONSULTANT FOR AN ONSITE INSPECTION BY THE ENVIRONMENTAL CONSULTANT TO OBTAIN A CERTIFICATE OF COMPLIANCE.
 4. BEGIN CLEARING AND GRUBBING. MAINTAIN DEVICES AS NEEDED. ROUGH GRADE SITE.
 5. INSTALL STORM SEWER, IF SHOWN, AND PROTECT INLETS WITH BLOCK AND GRAVEL INLET CONTROLS, SEDIMENT TRAPS OR OTHER APPROVED MEASURES AS SHOWN ON THE PLAN. BEGIN CONSTRUCTION, BUILDING, ETC.
 6. STABILIZE SITE AS AREAS ARE BROUGHT UP TO FINISH GRADE WITH VEGETATION, PAVING, DITCH LININGS, ETC. SEED AND MULCH DENUDED AREAS PER GROUND STABILIZATION TIME FRAMES.
 7. WHEN CONSTRUCTION IS COMPLETE AND ALL AREAS ARE STABILIZED COMPLETELY, CALL ENVIRONMENTAL CONSULTANT FOR AN INSPECTION.
 8. IF SITE IS APPROVED, REMOVE TEMPORARY DIVERSIONS, SILT FENCE, SEDIMENT BASINS, ETC., AND SEED OUT OR STABILIZE ANY RESULTING BARE AREAS. ALL REMAINING PERMANENT EROSION CONTROL DEVICES, SUCH AS VELOCITY DISSIPATORS, SHOULD NOW BE INSTALLED.
 9. WHEN VEGETATION HAS BECOME ESTABLISHED, CALL FOR A FINAL SITE INSPECTION BY THE ENVIRONMENTAL CONSULTANT. OBTAIN A CERTIFICATE OF COMPLETION.

THE SEDIMENT BASIN SHALL NOT BE CONVERTED
TO THE FINAL STORMWATER CONTROL MEASURE
UNTIL THE AREA UPSTREAM HAS BEEN
ADEQUATELY STABILIZED AND HAS BEEN
APPROVED BY THE EROSION
CONTROL INSPECTOR. THIS INCLUDES
MAINTAINING THE SKIMMER AND BAFFLES IN
THE TRAP AND MAINTAINING INLET PROTECTION
AT THE UPSTREAM INLETS

**THERE WILL BE NO STOCKPILES
NECESSARY FOR THIS PROJECT.**

SILT FENCE OUTLETS MAY BE
ADJUSTED IN THE FIELD TO MATCH
LOW POINTS ALONG SILT FENCE

TOTAL ONSITE DISTURBED AREA
43,290 SF (0.99 AC)

TOTAL OFFSITE DISTURBED AREA:
5,875 SF (0.13 AC)

TOTAL DISTURBED AREA:
49,165 SF (1.13 AC)

WAKE COUNTY SEDIMENT BASIN REMOVAL SEQUENCE

1. SCHEDULE A SITE MEETING WITH THE ENVIRONMENTAL CONSULTANT TO DETERMINE IF A BASIN CAN BE REMOVED. INSTALL SILT FENCING OR OTHER TEMPORARY EROSION CONTROL MEASURES AS NEEDED PRIOR TO REMOVAL OF THE BASIN.
 2. CONTACT NCDEQ – RALEIGH REGIONAL OFFICE (919) 791-4200 TO DETERMINE THE DIVISION OF ENERGY, MINERAL AND LAND RESOURCES CONTACT PERSON TO RECEIVE DEWATERING NOTIFICATIONS. AT LEAST 10 DAYS PRIOR TO BEGINNING DEWATERING ACTIVITY, SEND EMAIL TO NCDEQ-DEMLR CONTACT PERSON AND COPY ENVIRONMENTAL CONSULTANT THAT MET YOU ONSITE. THE EMAIL SHOULD INCLUDE: E&SC JURISDICTION: WAKE COUNTY, WAKE COUNTY PROJECT: NAME, NUMBER, AND LOCATION (CITY/TOWN), ENVIRONMENTAL CONSULTANT NAME, AND ADDRESS THE FOLLOWING: A)REASON FOR CONVERSION, B)BASIN #, C)DEWATERING METHOD, AND D) ALL OTHER NECESSARY INFO FROM PART II, SECTION G, ITEM 4 OF THE NCG01. (KEEP EMAIL FOR YOUR NPDES MONITORING DOCUMENTATION)
 3. AFTER RECEIVING POSITIVE CONFIRMATION FROM NCDEQ-DEMLR THAT YOU MAY REMOVE THE BASIN OR ON > DAY 11, WHICHEVER IS SOONER. REMOVE BASIN(S) AND ASSOCIATED TEMPORARY DIVERSION DITCHES. IF PIPES NEED TO BE EXTENDED, PERFORM THIS OPERATION AT THIS TIME. FINE GRADE AREA IN PREPARATION FOR SEEDING.
 4. PERFORM SEEDBED PREPARATION, SEED, MULCH AND ANCHOR ANY RESULTING BARE AREAS IMMEDIATELY.
 5. INSTALL VELOCITY DISSIPATORS AND/OR LEVEL SPREADERS AS REQUIRED ON THE EROSION CONTROL PLAN.
 6. WHEN SITE IS FULLY STABILIZED, CALL ENVIRONMENTAL CONSULTANT FOR APPROVAL OF REMOVING REMAINING TEMPORARY EROSION CONTROL MEASURES AND ADVICE ON WHEN SITE CAN BE ISSUED A CERTIFICATE OF COMPLETION. NOTE: A MEETING SHOULD ALSO BE SCHEDULED WITH THE ENVIRONMENTAL CONSULTANT TO DETERMINE WHEN A BASIN MAY BE CONVERTED FOR STORMWATER USE. SOME MUNICIPALITIES MAY ALSO REQUIRE THIS.

SITE SPECIFIC STAGE 1 CONSTRUCTION SEQUENCE

- 1. INSTALL CONSTRUCTION ENTRANCE, PERIMETER SILT FENCE AND SILT FENCE OUTLETS
 2. GRADE IN SEDIMENT BASIN, BASIN SPILLWAY AND INSTALL PERMANENT POND RISER AND OUTLET PIPE
 3. ATTACH SKIMMER TO RISER AND INSTALL BAFFLES IN SEDIMENT BASIN
 4. ONCE ALL NECESSARY EROSION CONTROL DEVICES ARE INSTALLED BEGIN GRADING
 5. AS GRADING PROGRESSES, GRADUALLY TRANSITION FROM STAGE 1 TO STAGE 2.
 6. REFER TO STAGE 2 EROSION CONTROL PLAN FOR ADDITIONAL SEQUENCING

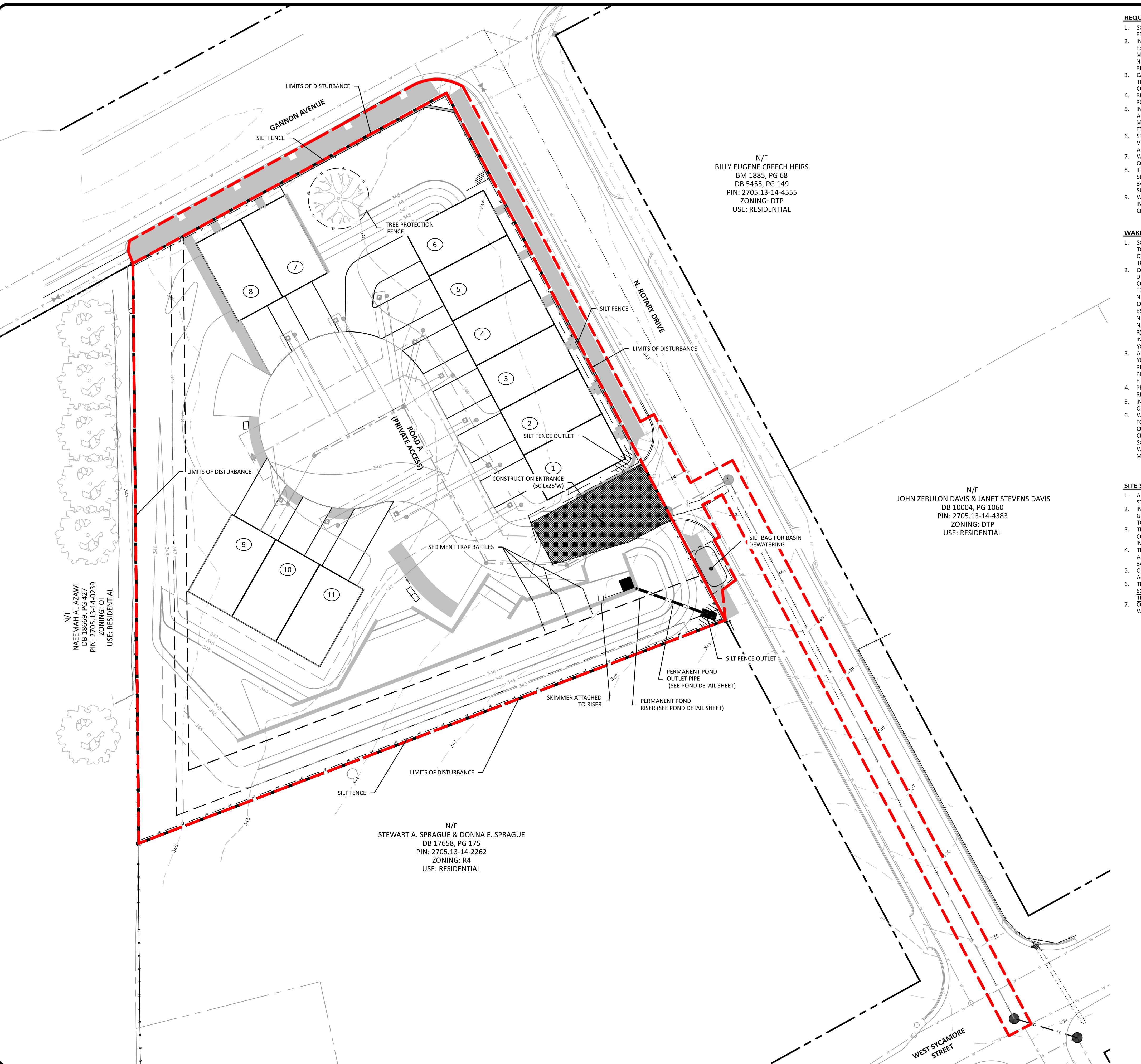
REVISIONS	2023-07-10	LAYOUT UPDATES AND REVISIONS PER TOWN COMMENTS
	2023-09-14	LAYOUT UPDATES AND REVISIONS PER TOWN COMMENTS
	2023-12-20	LAYOUT UPDATES AND REVISIONS PER TOWN AND COUNTY COMMENTS
	2024-04-15	LAYOUT UPDATES AND REVISIONS PER TOWN AND COUNTY COMMENTS
	2024-06-19	REVISIONS PER TOWN AND COUNTY COMMENTS

1	2	3	4	5		
401 GANNON AVENUE SITE PLAN AND CONSTRUCTION DRAWINGS ZEBULON, NC					EROSION CONTROL PLAN STAGE 1	



6/19/2024	
PROJECT NO:	

DESIGN BY:	
JPE	
DRAWN BY:	
JPE	
SCALE:	
1"=20'	
DATE:	
2023-03-01	
SHEET NO:	
C6.1	



REQUIRED WAKE COUNTY EROSION CONTROL SEQUENCE

- SCHEDULE A PRECONSTRUCTION CONFERENCE WITH THE ENVIRONMENTAL CONSULTANT. OBTAIN A LANDDISTURBING PERMIT.
- INSTALL GRAVEL CONSTRUCTION PAD, TEMPORARY DIVERSIONS, SILT FENCE, SEDIMENT BASINS OR OTHER MEASURES AS SHOWN ON THE APPROVED PLAN. CLEAR ONLY AS NECESSARY TO INSTALL THESE DEVICES. SEED TEMPORARY DIVERSIONS, BERMS AND BASINS IMMEDIATELY AFTER CONSTRUCTION.
- CALL ENVIRONMENTAL CONSULTANT FOR AN ONSITE INSPECTION BY THE ENVIRONMENTAL CONSULTANT TO OBTAIN A CERTIFICATE OF COMPLETION.
- BEGIN CLEARING AND GRUBBING, MAINTAIN DEVICES AS NEEDED. ROUGH GRADE SITE.
- INSTALL STORM SEWER, IF SHOWN, AND PROTECT INLETS WITH BLOCK AND GRAVEL INLET CONTROLS, SEDIMENT TRAPS OR OTHER APPROVED MEASURES AS SHOWN ON THE PLAN. BEGIN CONSTRUCTION, BUILDING, ETC.
- STABILIZE SITE AS AREAS ARE BROUGHT UP TO FINISH GRADE WITH VEGETATION, PAVERS, DITCH LININGS, ETC. SEED AND MULCH DENUDED AREAS PER GROUND STABILIZATION TIME FRAMES.
- WHEN CONSTRUCTION IS COMPLETE AND ALL AREAS ARE STABILIZED COMPLETELY, CALL ENVIRONMENTAL CONSULTANT FOR AN INSPECTION.
- IF SITE IS APPROVED, REMOVE TEMPORARY DIVERSIONS, SILT FENCE, SEDIMENT BASINS, ETC., AND SEED OUT OR STABILIZE ANY RESULTING BARE AREAS. ALL REMAINING PERMANENT EROSION CONTROL DEVICES, SUCH AS VELOCITY DISSIPATORS, SHOULD NOW BE INSTALLED.
- WHEN VEGETATION HAS BECOME ESTABLISHED, CALL FOR A FINAL SITE INSPECTION BY THE ENVIRONMENTAL CONSULTANT. OBTAIN A CERTIFICATE OF COMPLETION.

THE SEDIMENT BASIN SHALL NOT BE CONVERTED TO FINAL GRADE UNTIL THE AREA UPSTREAM HAS BEEN ADEQUATELY STABILIZED AND HAS BEEN APPROVED BY THE ENVIRONMENTAL CONTROL INSPECTOR. THIS INCLUDES MAINTAINING THE SKIMMER AND BAFFLES IN THE TRAP AND MAINTAINING THE INLET PROTECTION AT THE UPSTREAM INLETS.

THERE WILL BE NO STOCKPILES NECESSARY FOR THIS PROJECT.

SILT FENCE OUTLETS MAY BE ADJUSTED IN THE FIELD TO MATCH LOW POINTS ALONG SILT FENCE

TOTAL ONSITE DISTURBED AREA 43,390 SF (0.99 AC)
TOTAL OFFSITE DISTURBED AREA: 5,875 SF (0.13 AC)
TOTAL DISTURBED AREA: 49,165 SF (1.13 AC)

SEDIMENT TRAP DATA

DRAINAGE AREA	0.55 AC
DISTURBED AREA	0.55 AC
Q(10)	2.0 CFS
VOLUME REQUIRED	1,980 CF
VOLUME PROVIDED	2,024 CF
SURFACE AREA REQUIRED	870 SF
SURFACE AREA PROVIDED	2,587 SF
TOP OF BERM ELEV.	345.5
BOTTOM OF TRAP ELEV.	342.0
SEDIMENT DEPTH	2.0 FT
SPILLWAY LENGTH	20 FT
SPILLWAY ELEV.	344.0
SKIMMER SURFACE SIZE	2.0 IN
SKIMMER ORIFICE SIZE	1.0 IN

OUTLET PROTECTION - SCM

Q(10)	1.0 CFS
APRON LENGTH	4 FT
APRON WIDTH	3 FT
APRON THICKNESS	9 INCHES
STONE SIZE	NDOT CLASS A

OWNER/DEVELOPER:

MERIDIAN PROPERTIES GROUP, LLC
4030 WAKE FOREST ROAD, SUITE 100
RALEIGH, NC 27609
919-521-4648

REVISIONS

1 2023-07-20 LAYOUT UPDATES AND REVISIONS PER TOWN COMMENTS

2 2023-09-14 LAYOUT UPDATES AND REVISIONS PER TOWN AND COUNTY COMMENTS

3 2023-12-20 LAYOUT UPDATES AND REVISIONS PER TOWN AND COUNTY COMMENTS

4 2024-04-15 COMMENTS

5 2024-06-19 REVISIONS PER TOWN AND COUNTY COMMENTS

401 GANNON AVENUE
SITE PLAN AND CONSTRUCTION DRAWINGS
ZEBULON, NC

EROSION CONTROL PLAN STAGE 2



6/19/2024

PROJECT NO:

DESIGN BY:

DRAWN BY:

SCALE:

DATE:

SHEET NO:

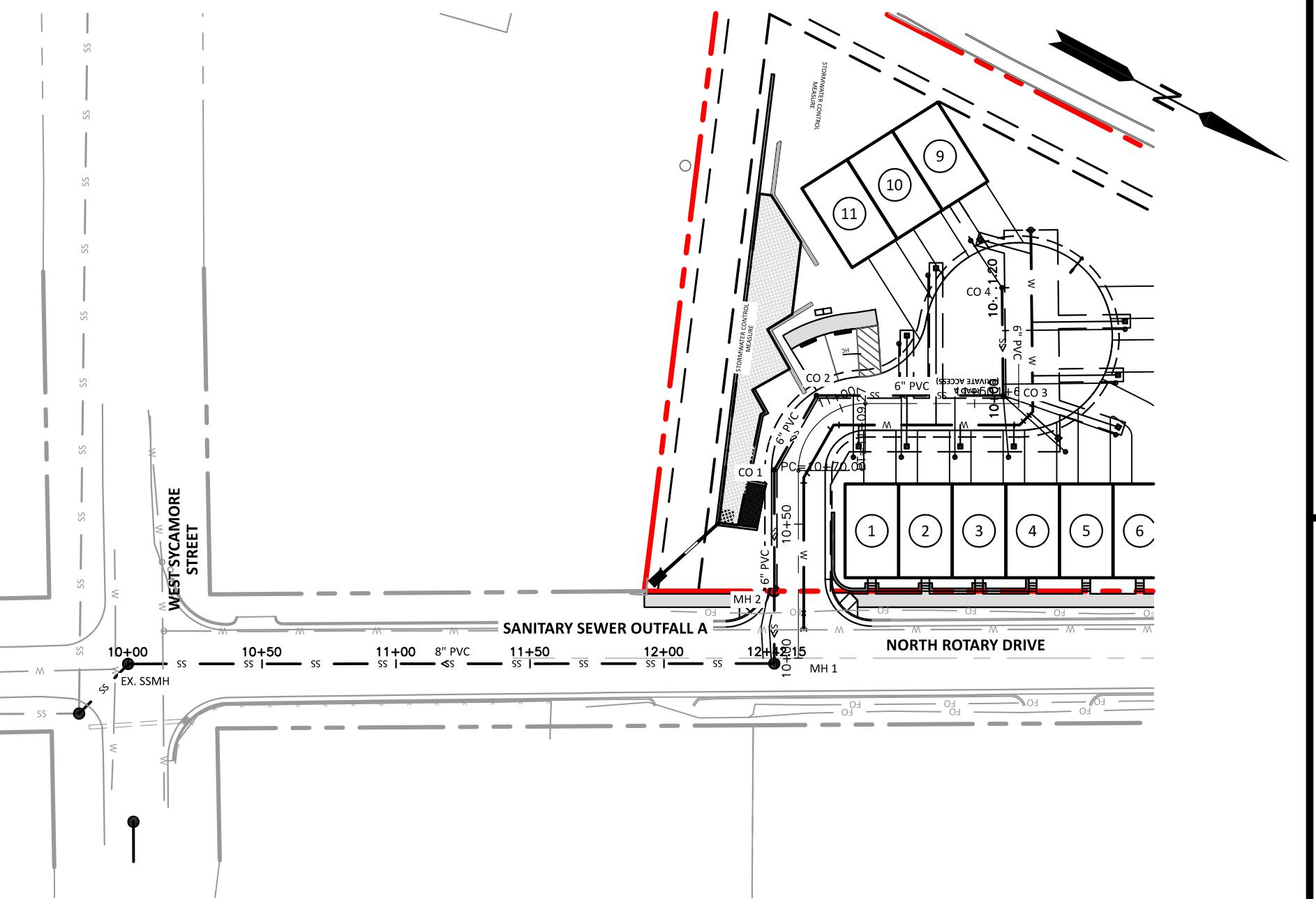
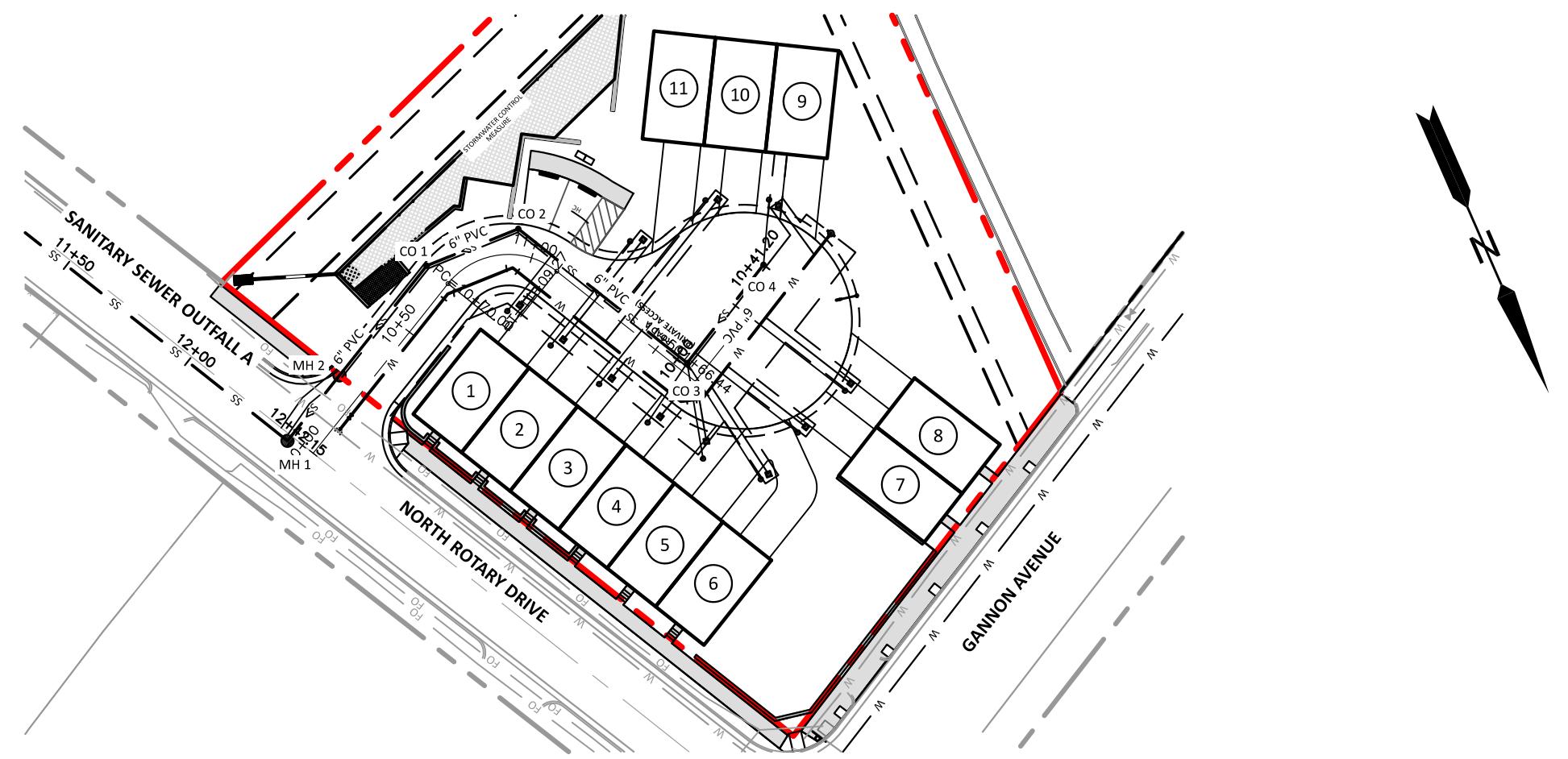
The Nau Company
Consulting Civil Engineers
PO Box 810 Rolesville, NC 27571
919-435-6395
NCBES License #P-0751

TOWN OF ZEBULON
PROJECT ID: 964220

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH TOWN OF ZEBULON STANDARDS AND SPECIFICATIONS

20 0 10 20 40
SCALE: 1"=20'
PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

C6.2



**PRIVATE
SEWER COLLECTION/EXTENSION SYSTEM**

THE CITY OF RALEIGH CONSENTS TO THE CONNECTION TO ITS PUBLIC SEWER SYSTEM AND EXTENSION OF THE AVAWEA SEWER COLLECTION SYSTEM. THE CONTRACTOR SHALL CONFIRM THE MATERIALS AND CONSTRUCTION METHODS USED FOR THIS PROJECT SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE CITY'S PUBLIC UTILITIES HANDBOOK.

CITY OF RALEIGH
PUBLIC UTILITIES DEPARTMENT PERMIT # S-5401(P)

AUTHORIZATION TO CONSTRUCT _____

DATE _____

**PUBLIC
SEWER COLLECTION/EXTENSION SYSTEM**

THE CITY OF RALEIGH CONSENTS TO THE CONNECTION AND EXTENSION OF THE CITY'S PUBLIC SEWER SYSTEM AS SHOWN ON THIS PLAN. THE CONTRACTOR METHODS USED FOR THIS PROJECT SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE CITY'S PUBLIC UTILITIES HANDBOOK.

CITY OF RALEIGH
PUBLIC UTILITIES DEPARTMENT PERMIT # S-5400

AUTHORIZATION TO CONSTRUCT _____

DATE _____

**PUBLIC
WATER DISTRIBUTION/EXTENSION SYSTEM**

THE CITY OF RALEIGH CONSENTS TO THE CONNECTION AND EXTENSION OF THE CITY'S PUBLIC WATER SYSTEM AS SHOWN ON THIS PLAN. THE CONTRACTOR METHODS USED FOR THIS PROJECT SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE CITY'S PUBLIC UTILITIES HANDBOOK.

CITY OF RALEIGH
PUBLIC UTILITIES DEPARTMENT PERMIT # W-4085

AUTHORIZATION TO CONSTRUCT _____

DATE _____

ATTENTION CONTRACTORS

THE CONSTRUCTION CONTRACTOR RESPONSIBLE FOR THE EXTENSION OF WATER AND SEWER AS APPROVED IN THESE PLANS, IS RESPONSIBLE FOR CONTACTING THE PUBLIC UTILITIES DEPARTMENT AT 919-996-4540 AT LEAST 24 HOURS PRIOR TO BEGINNING ANY OF THEIR CONSTRUCTION.

FAILURE TO NOTIFY CITY DEPARTMENTS IN ADVANCE OF BEGINNING CONSTRUCTION WILL RESULT IN THE ISSUANCE OF MONETARY FINES, AND REQUIRE REINSTALLATION OF ANY WATER OR SEWER FACILITIES NOT INSPECTED AS A RESULT OF THIS NOTIFICATION FAILURE.

FAILURE TO CALL FOR INSPECTION, INSTALL A DOWNSTREAM PLUG, HAVE UNLIMITED PLANS ON THE SITE, OR ANY OTHER VIOLATION OF CITY OF RALEIGH STANDARDS WILL RESULT IN A FINE AND POSSIBLE EXCLUSION FROM FUTURE WORK IN THE CITY OF RALEIGH.

**SITE PERMITTING APPROVAL
Water and Sewer Permits (if Applicable)**

The City of Raleigh consents to the connection and extension of the City's Public Sewer System as shown on this plan. The material and construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook. City of Raleigh Public Utilities Department Permit # S-XXXX.

The City of Raleigh consents to the connection and extension of the City's Public Water System as shown on this plan. The material and construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook. City of Raleigh Public Utilities Department Permit # W-XXXX.

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION
Electronic Approval: This approval is being issued electronically. This approval is valid for one year from the date of issue. Any work authorized by this approval must proceed in accordance with the plans kept on file with this City. This electronic approval may not be valid once issued. Any modification to this approval once issued will invalidate this approval.

City of Raleigh Development Approval
Raleigh Water Review Officer

N The Nau Company
Consulting Civil Engineers
PO Box 810 Rolesville, NC 27571
919-435-6395
NCBES License P-0751

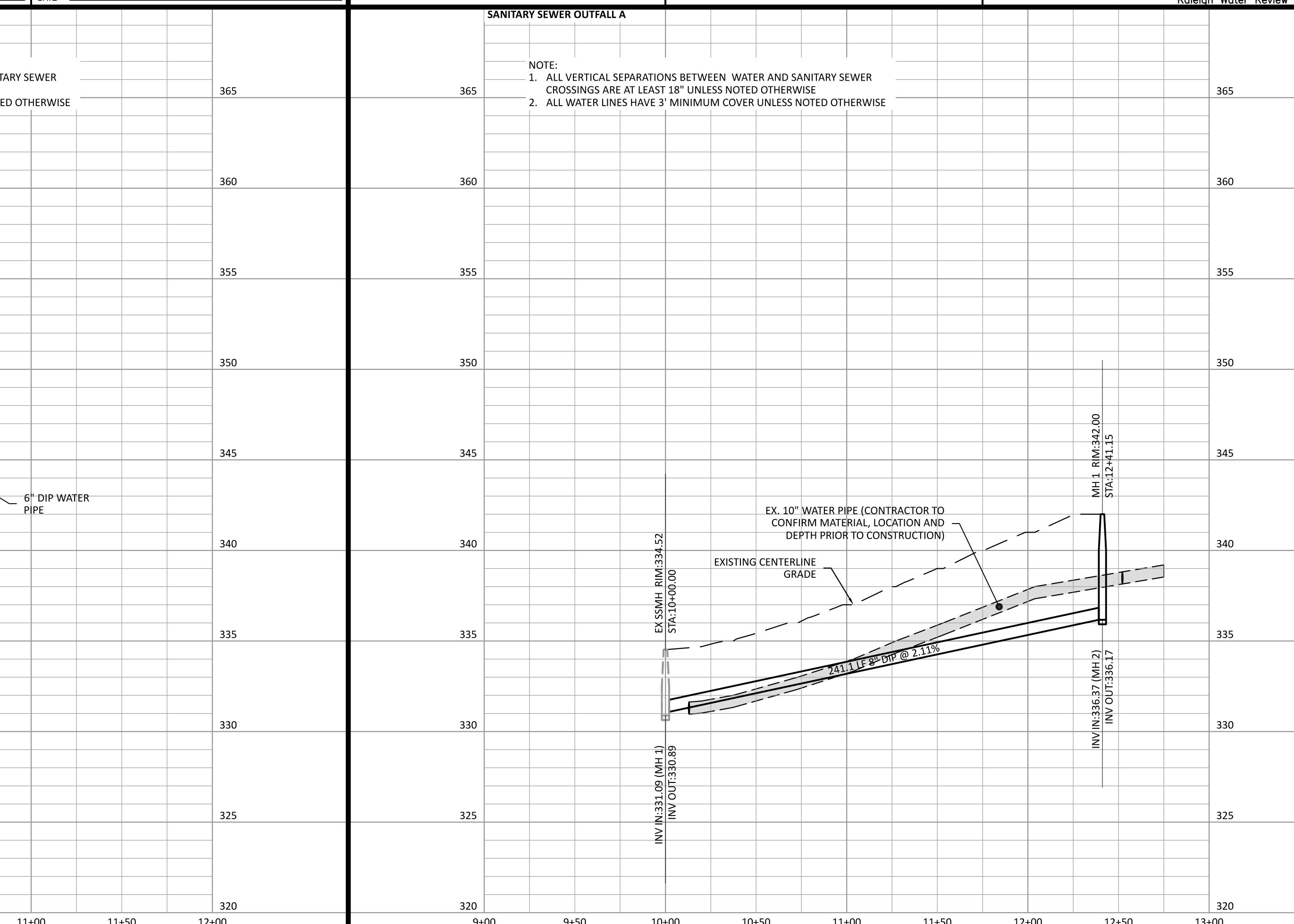
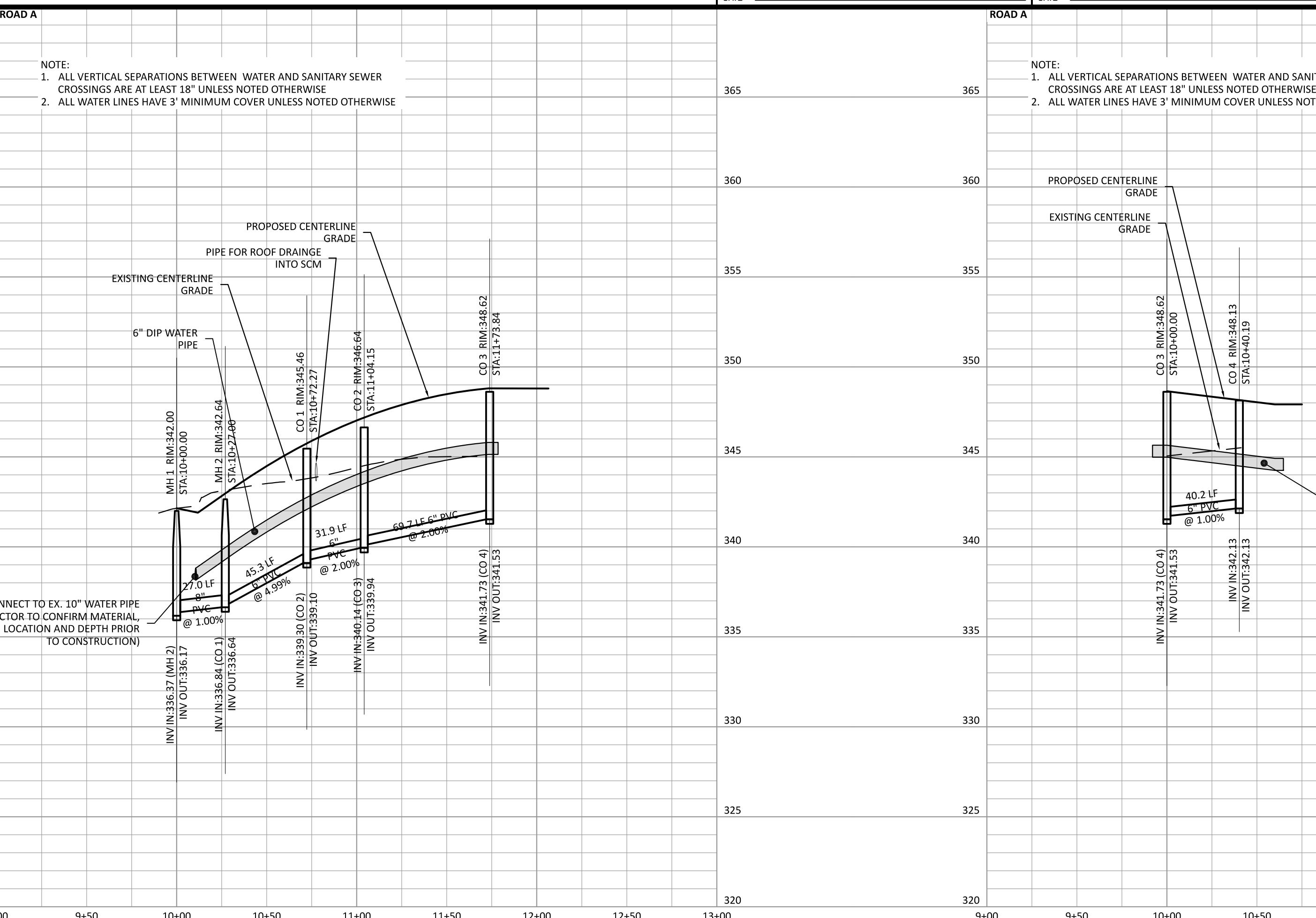
OWNER/DEVELOPER:
MERIDIAN PROPERTIES GROUP, LLC
4030 WAKE FOREST ROAD, SUITE 100
RALEIGH, NC 27609
919-521-4648

REVISIONS
1 2023-07-20 LAYOUT UPDATES AND REVISIONS FOR OWNER COMMENTS
2 2023-09-14 LAYOUT UPDATES AND REVISIONS FOR TOWN COMMENTS
3 2023-12-20 LAYOUT UPDATES AND REVISIONS FOR TOWN AND COUNTY COMMENTS

**401 GANNON AVENUE
SITE PLAN AND CONSTRUCTION DRAWINGS**
ZEBULON, NC
**PLAN AND PROFILE - ROAD A AND SANITARY
SEWER OUTFALL A**

PROJECT NO.: ---
DESIGN BY: JPE
DRAWN BY: JPE

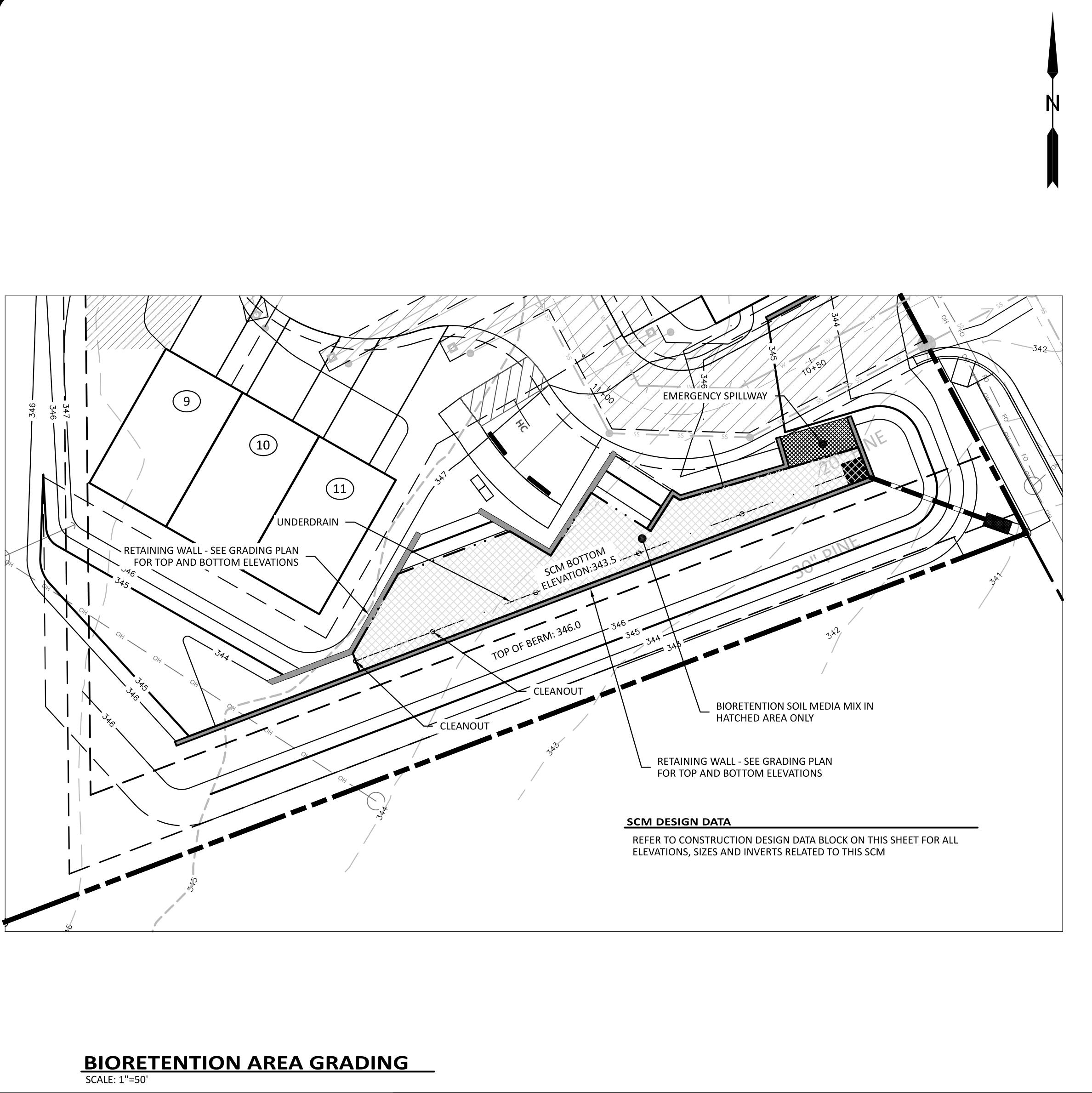
SCALE: 1"=50' HORZ
1"=5' VERT
DATE: 2023-03-01
SHEET NO: C7.1
PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION



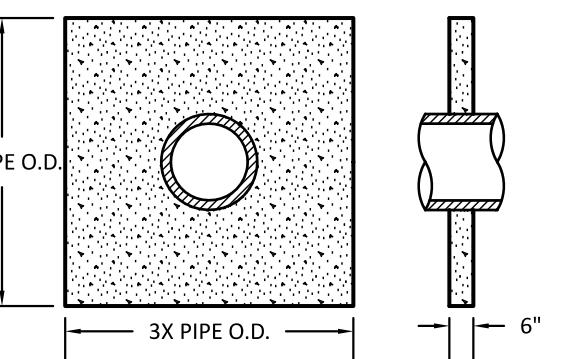
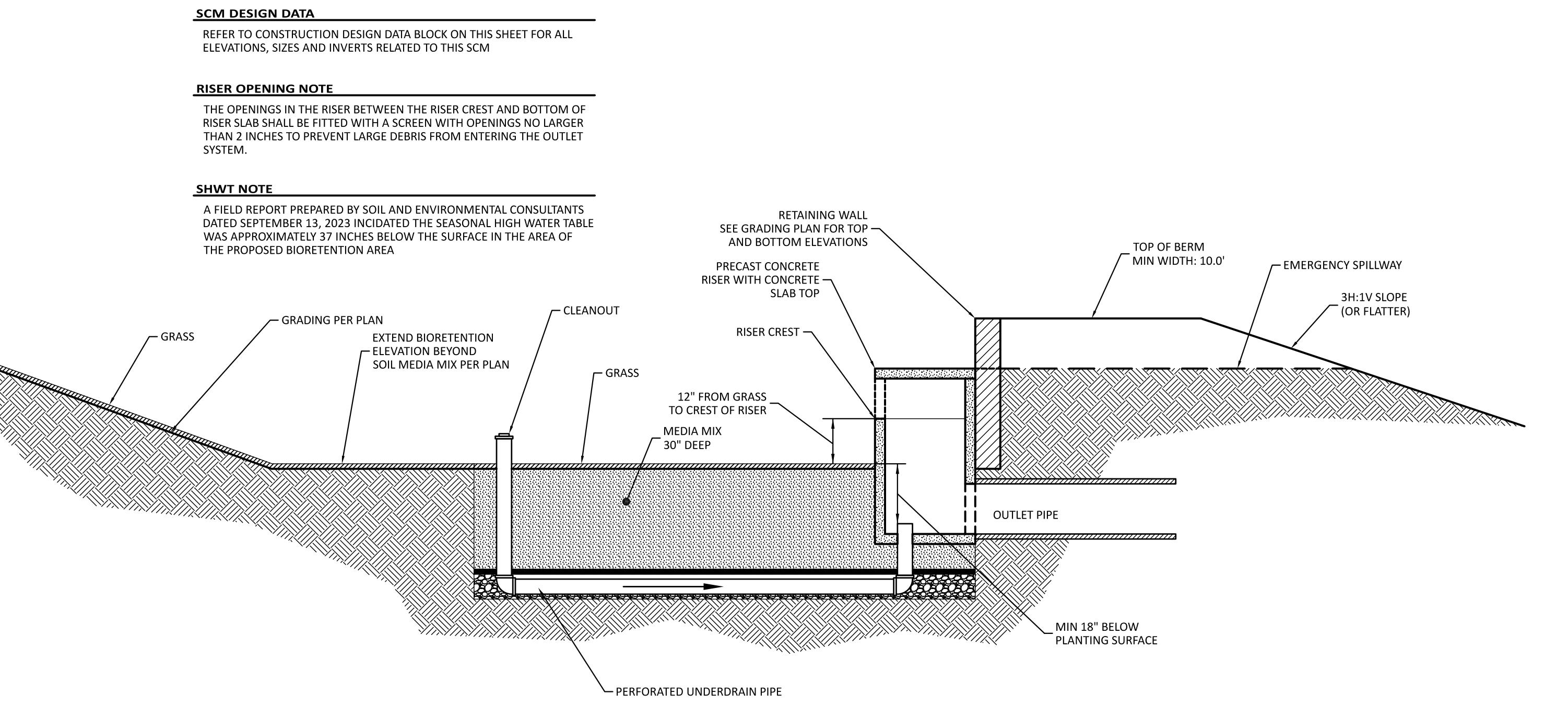
TOWN OF ZEBULON
PROJECT ID: 964220

ALL CONSTRUCTION SHALL BE IN
ACCORDANCE WITH TOWN OF
ZEBULON STANDARDS AND
SPECIFICATIONS

50 0 25 50 100
SCALE: 1"=50'
PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION



CONSTRUCTION DESIGN DATA	DESIGN PARAMETER	DESIGN VALUE	AS-BUILT VALUE
	TOP OF DAM ELEVATION	346.0	XXX
	SEDIMENT CLEANOUT ELEV.	N/A	XXX
	BOTTOM OF POND ELEVATION	343.5	XXX
	RISER CREST ELEV.	344.5	XXX
	RISER CREST LENGTH	8FT (TWO SIDES OF RISER)	XXX
	BOTTOM OF RISER SLAB ELEV.	345.5	XXX
	RISER SIZE	48"x48" I.D. SQUARE	XXX
	NORMAL POOL ELEVATION	N/A	XXX
	UNDERDRAIN PIPE DIAMETER	4.0 IN	XXX
	ORIFICE DIAMETER	N/A	XXX
	BARREL DIAMETER	12"	XXX
	BARREL UPSTREAM INV.	341.9	XXX
	BARREL DOWNSTREAM INV.	341.2	XXX
	BARREL LENGTH	23 FT	XXX
	EMERGENCY SPILLWAY ELEV.	344.9	XXX
	EMERGENCY SPILLWAY LENGTH	15 FT	XXX
	ANTI-FLOTATION BLOCK SIZE	6'x6'x18"	XXX
	ANTI-SEEPAGE COLLAR SIZE	3'x3'	XXX
CALCULATED POND DATA	SURFACE AREA REQUIRED	1297 SF	XXX
	SURFACE AREA PROVIDED	1505 SF	XXX
	W/ RAINFALL VOLUME	1297 CF	XXX
	ELEV. AT TWO VOLUME	344.2	XXX
	Q(1) DISCHARGE	>0.1 CFS	XXX
	Q(1) ELEV.	344.3	XXX
	Q(2) DISCHARGE	0.1 CFS	XXX
	Q(2) ELEV.	344.6	XXX
	Q(10) DISCHARGE	1.5 CFS	XXX
	Q(10) ELEV.	345.0	XXX
	Q(100) DISCHARGE	5.8 CFS	XXX
	Q(100) ELEV.	345.1	XXX
POND CONTOUR DATA	ELEVATION	AREA	
	343.5	1505 SF	XXX
	344.0	1844 SF	XXX
	345.0	2685 SF	XXX
	346.0	3447 SF	XXX



ANTI-SEEPAGE COLLAR

NOT TO SCALE

NOTES

1. THE CONCRETE COLLAR SHALL HAVE A MINIMUM 28-DAY STRENGTH OF 3000 PSI.
2. ANTI-SEEPAGE COLLARS SHALL BE CONNECTED TO THE BARREL PIPE WITH A WATER TIGHT JOINT.
3. INSTALL ANTI-SEEPAGE COLLAR AT THE CENTER OF THE EMBANKMENT.
4. ANTI-SEEPAGE COLLARS SHALL BE INSTALLED AT LEAST 2 FEET FROM ANY PIPE JOINT.

BIORETENTION AREA CONSTRUCTION TIMING

1. THE CONTRACTOR SHALL GRADE AND PLACE THE SOIL MEDIA IN THE BIORETENTION CELL AS ONE OF THE LAST STEPS IN THE CONSTRUCTION PROCESS.
2. THE BIORETENTION AREA SHALL NOT BE CONSTRUCTED UNTIL BUILT UPON AREAS THAT DRAIN TO THE VEGETATED RECEIVING AREAS ARE COMPLETED.
3. UNTIL ADJACENT AREAS THAT DRAIN TO THE VEGETATED RECEIVING AREA ARE STABILIZED OR SURFACE FLOW IS DIVERTED AWAY FROM THE CELL.

BIORETENTION AREA GENERAL NOTES

1. THE PONDING DEPTH OF THE BIORETENTION AREA IS LIMITED TO 12 INCHES.
2. THE MEDIA DEPTH FOR A BIORETENTION CELL WITH GRASS IS 30 INCHES AND 36 INCHES FOR BIORETENTION AREAS WITH TREES AND SHRUBS.
3. THE BIORETENTION MIX IS DESIGNED TO MAINTAIN LONG TERM FERTILITY AND POLLUTANT PROCESSING CAPABILITY.
4. THE SOIL MEDIA SHOULD BE SENT TO A LABORATORY FOR ANALYSIS OF THE P INDEX. SOILS WITH A HIGH P INDEX CAN INCREASE THE PHOSPHORUS IN THE STORMWATER RUNOFF.
5. THE SOIL MEDIA SHOULD NOT BE MECHANICALLY COMPACTED. IT IS RECOMMENDED TO EITHER WATER IT OR WALK ON IT AS IT IS PLACED
6. SOD SHOULD BE USED IN THE BOTTOM OF THE BIORETENTION AREA

MEDIA MIX NOTES

- MEDIA MIX SPECIFICATIONS
THE MEDIA SHOULD BE COMPOSED OF A HOMOGENOUS MIX OF THE FOLLOWING:
75% TO 85% MEDIUM TO COARSE WASHED SAND
8% TO 10% FINES (SILT AND CLAY)
5% TO 10% ORGANIC MATTER (SUCH AS PINE BARK FINES)

MEDIA P-INDEX

THE MEDIA P-INDEX SHOULD BE LESS THAN 50

SEEDING SPECIFICATIONS

COMPLETE GRADING BEFORE PREPARING SEEDBEDS, AND INSTALL ALL NECESSARY EROSION CONTROL PRACTICES SUCH AS, DIKES, WATERWAYS, AND BASINS. MINIMIZE STEEP SLOPES BECAUSE THEY MAKE SEEDBED PREPARATION DIFFICULT AND INCREASE THE EROSION HAZARD. IF SOILS BECOME COMPACTED DURING GRADING, LOSEN THEM TO A DEPTH OF 6-8 INCHES USING A RIPPER, HARROW, OR CHISEL PLOW.

SEDED PREPARATION

GOOD SEDED PREPARATION IS ESSENTIAL TO SUCCESSFUL PLANT ESTABLISHMENT. A GOOD SEDED IS WELL-PULVERIZED, LOOSE, AND UNIFORM. WHERE HYDROSEEDING METHODS ARE USED, THE SURFACE MAY BE LEFT WITH A MORE IRREGULAR SURFACE OF LARGE CLODS AND STONES.

LIMING—APPLY LIME ACCORDING TO SOIL TEST RECOMMENDATIONS. IF THE PH (ACIDITY) OF THE SOIL IS NOT KNOWN, AN APPLICATION OF GROUND AGRICULTURAL LIMESTONE AT THE RATE OF 1 TO 1 1/2 TONS/ACRE OR 1000 LB PER 1000 SF AND 3 TONS/ACRE ON FILTERED SOILS IS USUALLY SUFFICIENT. APPLY LIMESTONE UNIFORMLY AND INCORPORATE INTO THE TOP 4-6 INCHES OF SOIL. SOILS WITH A PH OF 6 OR HIGHER NEED NOT BE LIMED.

FERTILIZER—BASE APPLICATION RATES ON SOIL TESTS. WHEN THESE ARE NOT POSSIBLE, APPLY A 10-10-10 GRADE FERTILIZER AT 700-1,000 LB/ACRE. BOTH FERTILIZER AND LIME SHOULD BE INCORPORATED INTO THE TOP 4-6 INCHES OF SOIL. IF A HYDRAULIC SEEDER IS USED, DO NOT MIX SEED AND FERTILIZER MORE THAN 30 MINUTES BEFORE APPLICATING.

SURFACE ROUGHENING—IF RECENT TILLAGE OPERATIONS HAVE RESULTED IN A LOOSE SURFACE, ADDITIONAL ROUGHENING MAY NOT BE REQUIRED, EXCEPT TO BREAK UP LARGE CLODS. IF RAINFALL CAUSES THE SURFACE TO BECOME SEALED OR CRUSTED, LOSEN IT JUST PRIOR TO SEEDING BY DISKING, RAKING, HARROWING, OR OTHER SUITABLE METHODS. GROOVE OR FURROW SPACES STEEPER THAN 3:1 ON THE CONTOUR BEFORE SEEDING (PRACTICE 6.03, SURFACE ROUGHENING).

PLANT SELECTION
SELECT AN APPROPRIATE SPECIES OR SPECIES MIXTURE FROM TABLE 6.10A FOR SEEDING IN LATE WINTER AND EARLY SPRING, TABLE 6.10B FOR SUMMER, AND TABLE 6.10C FOR FALL. IN THE MOUNTAINS, DECEMBER AND JANUARY SEEDINGS HAVE POOR CHANCES OF SUCCESS. WHEN IT IS NECESSARY TO PLANT AT THESE TIMES, USE RECOMMENDATIONS FOR FALL AND A SECURELY TACKED MULCH.

SEEDING
EVENLY APPLY SEED USING A CYCLONE SEEDER (BROADCAST), DRILL, CULTIPACKER SEEDER, OR HYDROSEEDER. USE SEEDING RATES GIVEN IN TABLES 6.10A-6.10C. BROADCAST SEEDING AND HYDROSEEDING ARE APPROPRIATE FOR STEEP SLOPES WHERE EQUIPMENT CANNOT BE DRIVEN. HAND BROADCASTING IS NOT RECOMMENDED BECAUSE OF THE DIFFICULTY IN ACHIEVING A UNIFORM DISTRIBUTION. SMALL GRAINS SHOULD BE PLANTED NO MORE THAN 1 INCH DEEP, AND GRASSES AND LEGUMES NO MORE THAN 1/2 INCH. BROADCAST SEED MUST BE COVERED BY RAKING OR CULTIPACKER, AND THEN LIGHTLY FIRMED WITH A ROLLER OR CULTIPACKER. HYDROSEEDED MIXTURES SHOULD INCLUDE A WOOD FIBER (CELLULOSE) MULCH.

MULCHING
THE USE OF AN APPROPRIATE MULCH WILL HELP ENSURE ESTABLISHMENT UNDER NORMAL CONDITIONS, AND IS ESSENTIAL TO SEEDING SUCCESS UNDER HARSH SITE CONDITIONS (PRACTICE 6.14, MULCHING). HARSH SITE CONDITIONS INCLUDE:
- SEEDING IN FALL FOR WINTER COVER (WOOD FIBER MULCHES ARE NOT CONSIDERED ADEQUATE FOR THIS USE).
- SLOPES STEEPER THAN 3:1.
- EXCESSIVELY HOT OR DRY WEATHER.
- ADVERSE SOILS (SHALLOW, ROCKY, OR HIGH IN CLAY OR SAND), AND AREAS RECEIVING CONCENTRATED FLOW.
IF THE AREA TO BE MULCHED IS SUBJECT TO CONCENTRATED WATERFLOW, AS IN CHANNELS, ANCHOR MULCH WITH NETTING (PRACTICE 6.14, MULCHING).

FROM: DEMLR EC MANUAL SECTION 6.10 REVISED 5/13

PERMANENT SODDING

ALL SOD SHOULD BE PLACED IN ACCORDANCE WITH SECTION 6.12 OF THE NC DENR EROSION CONTROL MANUAL.

SPECIES:

HYBRID BERMUDAGRASS

SOIL PREPARATION:
APPLY LIME AT A RATE OF 100 LB PER 1,000 SF, APPLY FERTILIZER AT A RATE OF 25 LB PER 1,000 SF OF 10-10-10 IN FALL OR 5-10-10 IN SPRING.

SOD INSTALLATION:
1. PRIOR TO LAYING SOD, CLEAR SURFACE OF SOIL OF ALL TRASH AND DEBRIS. FILL ALL LOW SPOTS TO AVOID STANDING WATER.

2. PRIOR TO INSTALLATION, STORE ALL SOD IN SHADE AND MOISTURE TO MAINTAIN VIABILITY. DELIVER AND INSTALLATION OF SOD SHOULD TAKE PLACE WITHIN A PERIOD OF 36 HOURS.

3. DURING SUMMER, LIGHTLY IRRIGATE SOIL IMMEDIATELY BEFORE LAYING SOD.

4. LAY FIRST ROW OF SOD IN A STRAIGHT LINE WITH SUBSEQUENT ROWS PLACED PARALLEL TO AND BUTTING TIGHTLY AGAINST EACH OTHER. STAGGER STRIPS IN A BRICK-LIKE PATTERN. ENSURE THAT THE SOD IS NOT STRETCHED OR OVERLAPPED. TRIM AND FIT IRREGULAR AREAS WITH A KNIFE OR SHARP SPADE.

5. INDIVIDUAL STRIPS SHOULD BE TIED TO THEIR LONGEST DIMENSION PERPENDICULAR TO THE SLOPE ON SLOPES 3:1 OR GREATER, OR WHEREVER EROSION MAY BE A PROBLEM. SECURE SOD WITH PEGS OR STAPLES.

6. AFTER SODDING OF AREAS IS COMPLETE, ROLL SOD TO PROVIDE FIRM CONTACT BETWEEN ROOTS AND SOIL.

7. IRRIGATE UNTIL THE SOIL IS 4 INCHES BELOW THE SOD. KEEP SODDED AREAS MOIST TO A DEPTH OF 4 INCHES UNTIL GRASS TAKES ROOT.

8. NO MOWING SHOULD OCCUR UNTIL THE SOD IS FIRMLY ROOTED, USUALLY 2-3 WEEKS.

Maintenance:
WATER AS NECESSARY TO MAINTAIN ADEQUATE MOISTURE. GRASS HEIGHT SHOULD BE MAINTAINED BETWEEN 1 AND 2 INCHES. APPLY FERTILIZER ANNUALLY AT A RATE OF 5-6 LB NITROGEN PER 1,000 SF.

PERMANENT SEEDING

FOR GENTLE SLOPES, SUN OR SEMI-SHADE, HIGH-MAINTENANCE, MINIMUM CARE LAWNS

SEEDING MIXTURE

SPECIES	RATE (LB/ACRE)
TALL FESCUE BLEND (EQUAL PARTS OF TWO OR PREFERABLY THREE TURF-TYPE TALL FESCUES)	200-500

SEEDING DATES

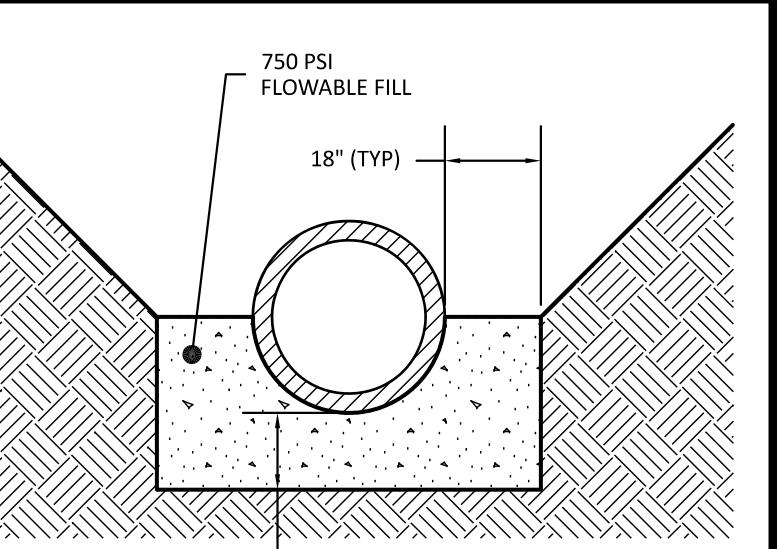
BELOW 2,500 FT	BEST	Possible
AUG 15 - SEPT 1	JULY 25 - SEPT 15	
MAR 1 - APR 1	MAR 1 - MAY 10	
JULY 25 - AUG 15	JULY 15 - AUG 30	
MAR 20 - APR 20	MAR 5 - MAY 15	

SOIL AMENDMENTS
APPLY LIME AND FERTILIZER ACCORDING TO SOIL TESTS, OR APPLY 4,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 4,000 LB/ACRE 10-10-10 FERTILIZER.

MULCH
APPLY 4,000 LB/ACRE GRAIN STRAW OR EQUIVALENT COVER OF ANOTHER SUITABLE MULCH. ANCHOR STRAW BY TACKING WITH ASPHALT AT 400 GAL/ACRE, NETTING, OR ROVING OR BY ROLLING AND WATERING

MAINTENANCE
THE BUNCH-TYPE HABIT OF TALL FESCUE RESTRICTS ITS SPREAD INTO DAMAGED AREAS. RESEED BARE SPOTS IN THE FALL. REFERTILIZE ANNUALLY IN LATE WINTER AND AGAIN IN FALL. RESEED, FERTILIZE, AND MULCH DAMAGED AREAS IMMEDIATELY.

NOTE: PERMANENT SEEDING NOTED ABOVE IS ONLY FOR AREAS NOT COVERED WITH SOD



CONCRETE CRADLE DETAIL

NOT TO SCALE

CONCRETE CRADLE NOTES

1. EXCAVATE TRENCH FOR THE CONCRETE CRADLE AND BARREL PER THE DIMENSIONS ON THE CONCRETE CRADLE DRAWING.
2. PLACE BARREL PIPE ON CONCRETE BLOCKS TO ACHIEVE SLOPE AND INVERTS NOTED ON THE POND DETAIL SHEET.
3. PLACE 2 FOOT WIDE STRIPS OF FILTER FABRIC OVER PIPE JOINTS BEFORE PLACING FLOWABLE FILL.
4. PLACE FLOWABLE FILL AS ONE LIFT UP TO THE SPRUNG LINE OF THE PIPE.
5. ALLOW CRADLE TO CURE FOR AT LEAST 7 DAY BEFORE USING ANY VIBRATING EQUIPMENT IN THE VICINITY OF THE PIPE.

CONCRETE CRADLE ALTERNATE
THE CONTRACTOR MAY CHOOSE TO ELIMINATE THE CONCRETE CRADLE AND USE COMPACTED BACKFILL. IF THE CONCRETE CRADLE IS NOT USED THE COMPACTED BACKFILL MUST BE PLACED PER THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.

PROJECT NO: ---

DESIGN BY: JPE

DRAWN BY: JPE

SCALE: AS NOTED

DATE: 2023-03-01

SHEET NO: C8.1

The Nau Company
Consulting Civil Engineers
PO Box 810 Rolesville, NC 27571
919-635-6395 NCBCS License P-0751

401 GANNON AVENUE SITE PLAN AND CONSTRUCTION DRAWINGS
ZEBULON, NC
SCM GRADING AND DETAILS

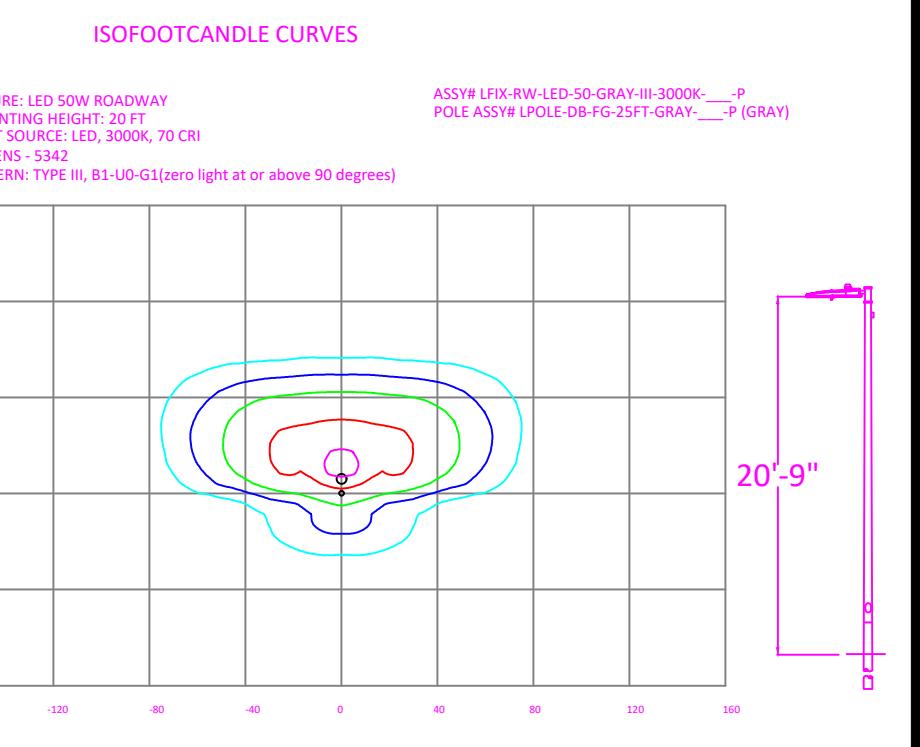
401 GANNON AVENUE
SITE PLAN AND CONSTRUCTION DRAWINGS

ZEBULON, NC

SCM GRADING AND DETAILS

401 GANNON AVENUE

SITE PLAN AND CONSTRUCTION DRAWINGS



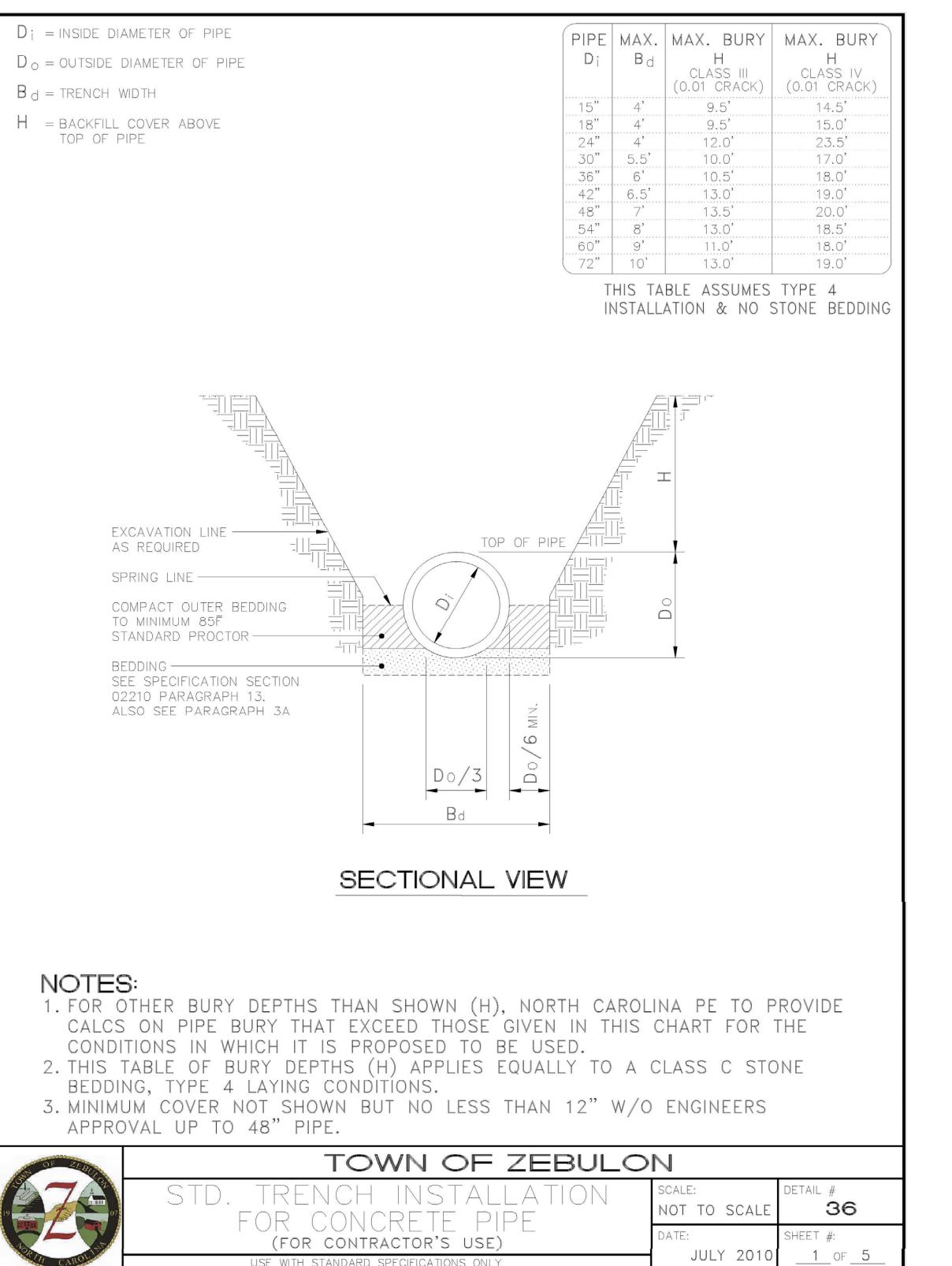
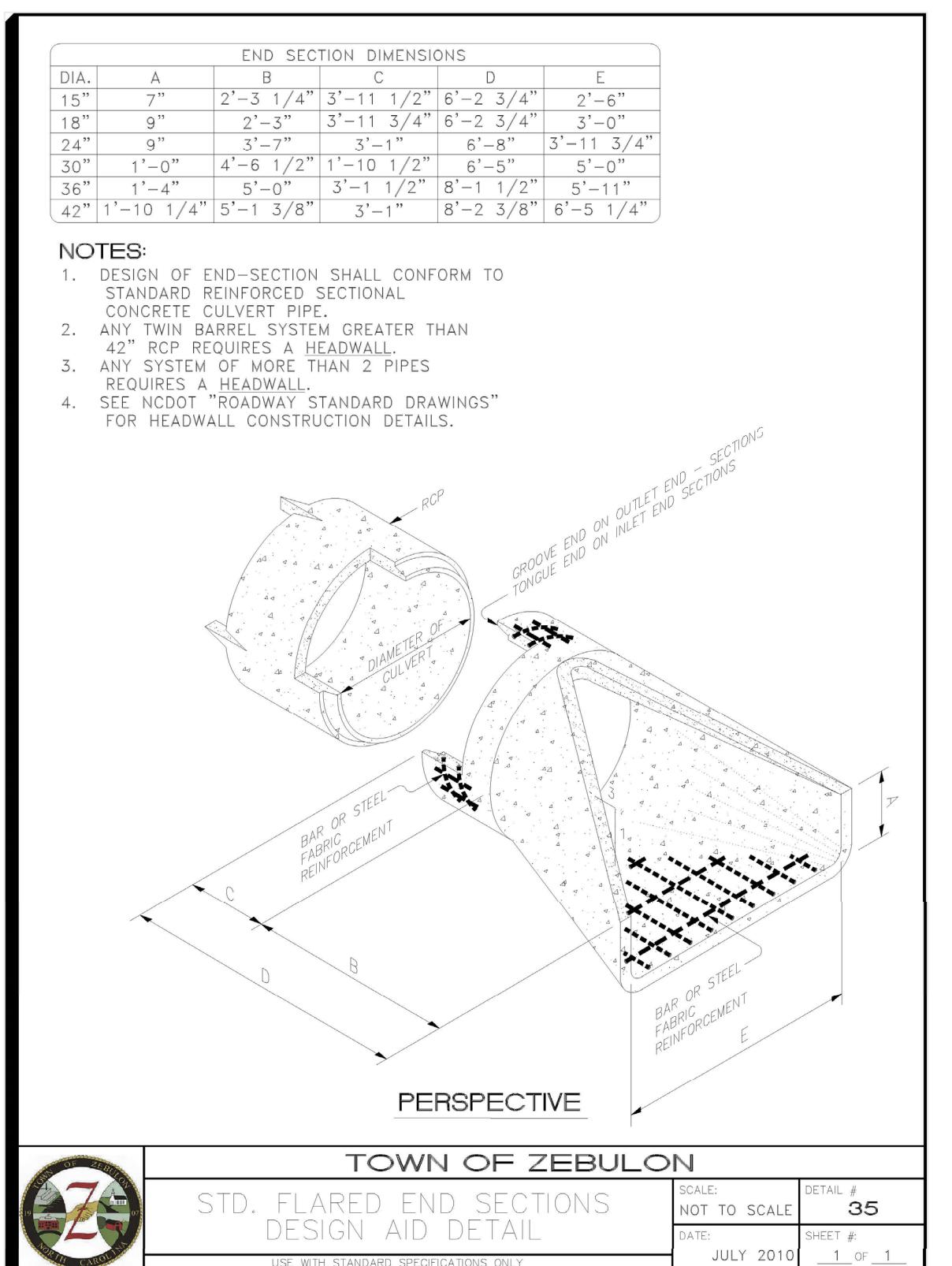
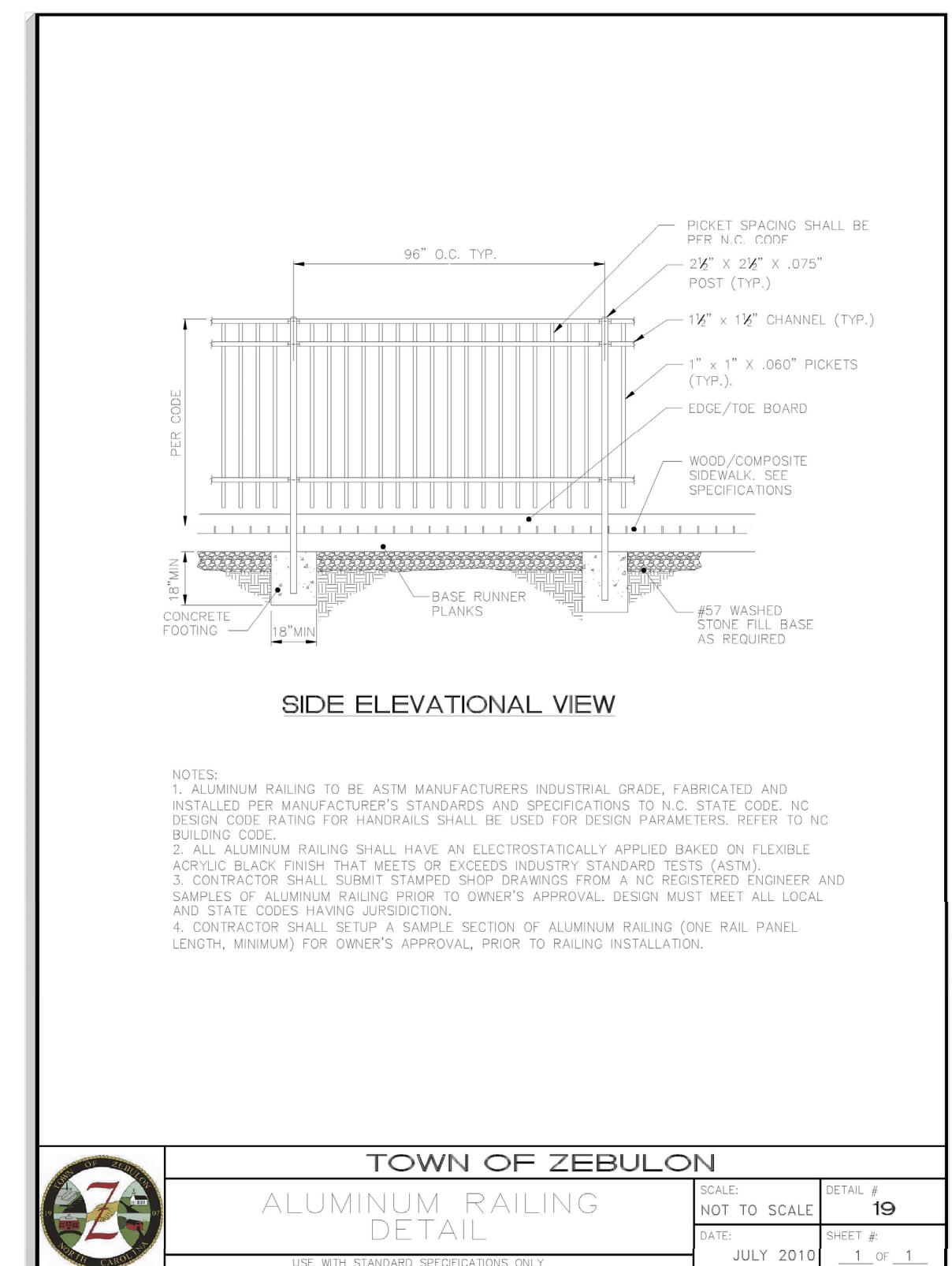
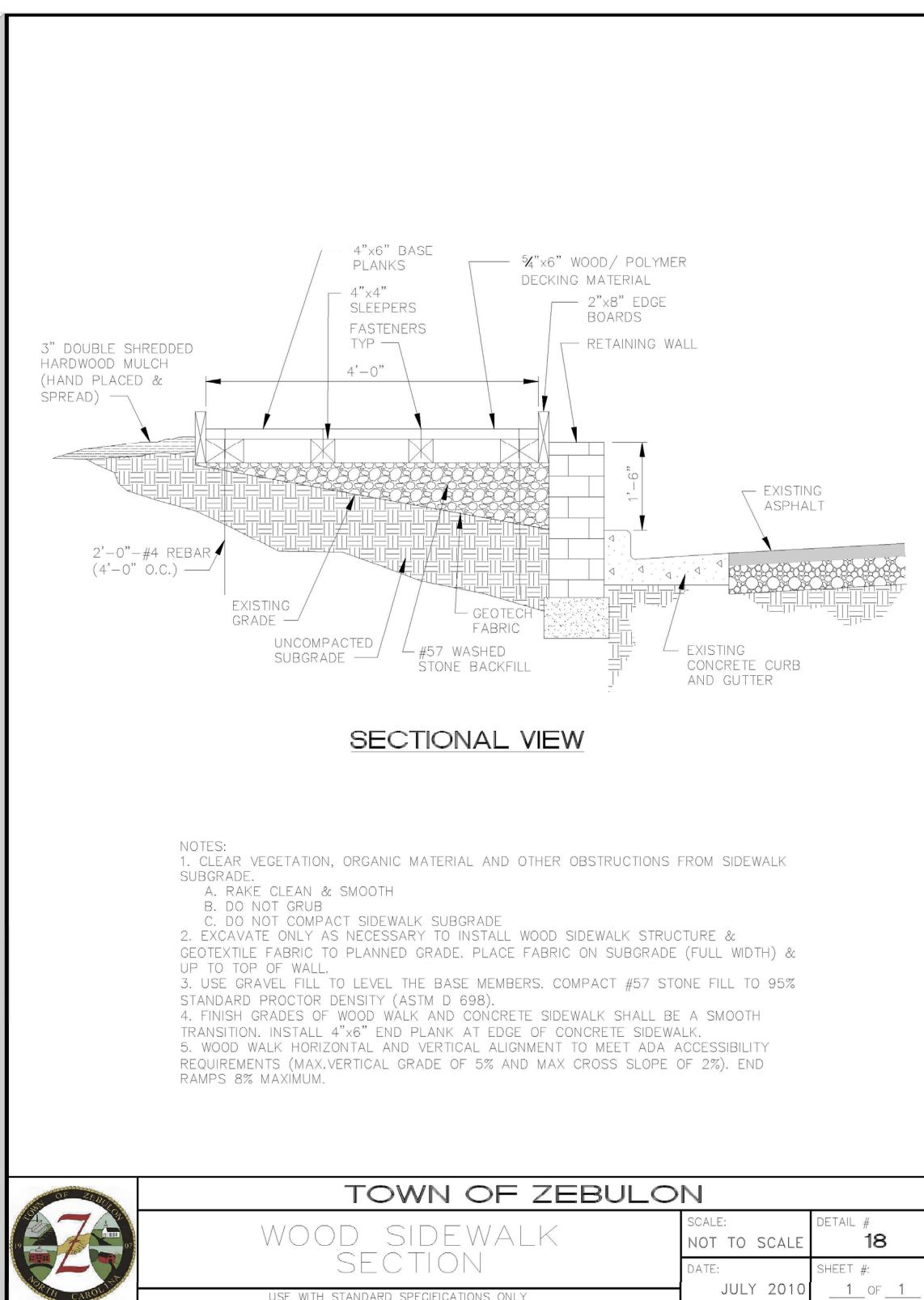
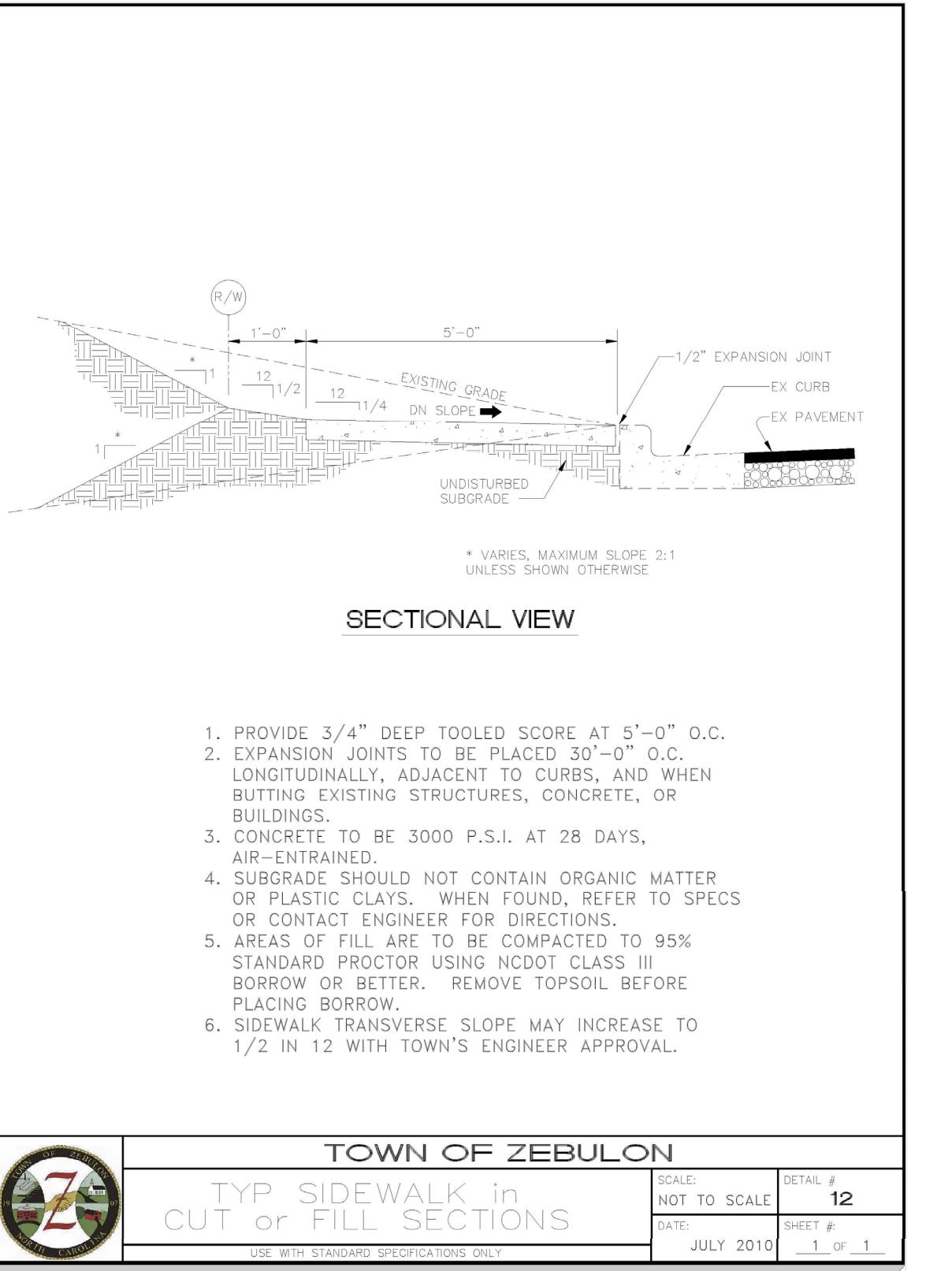
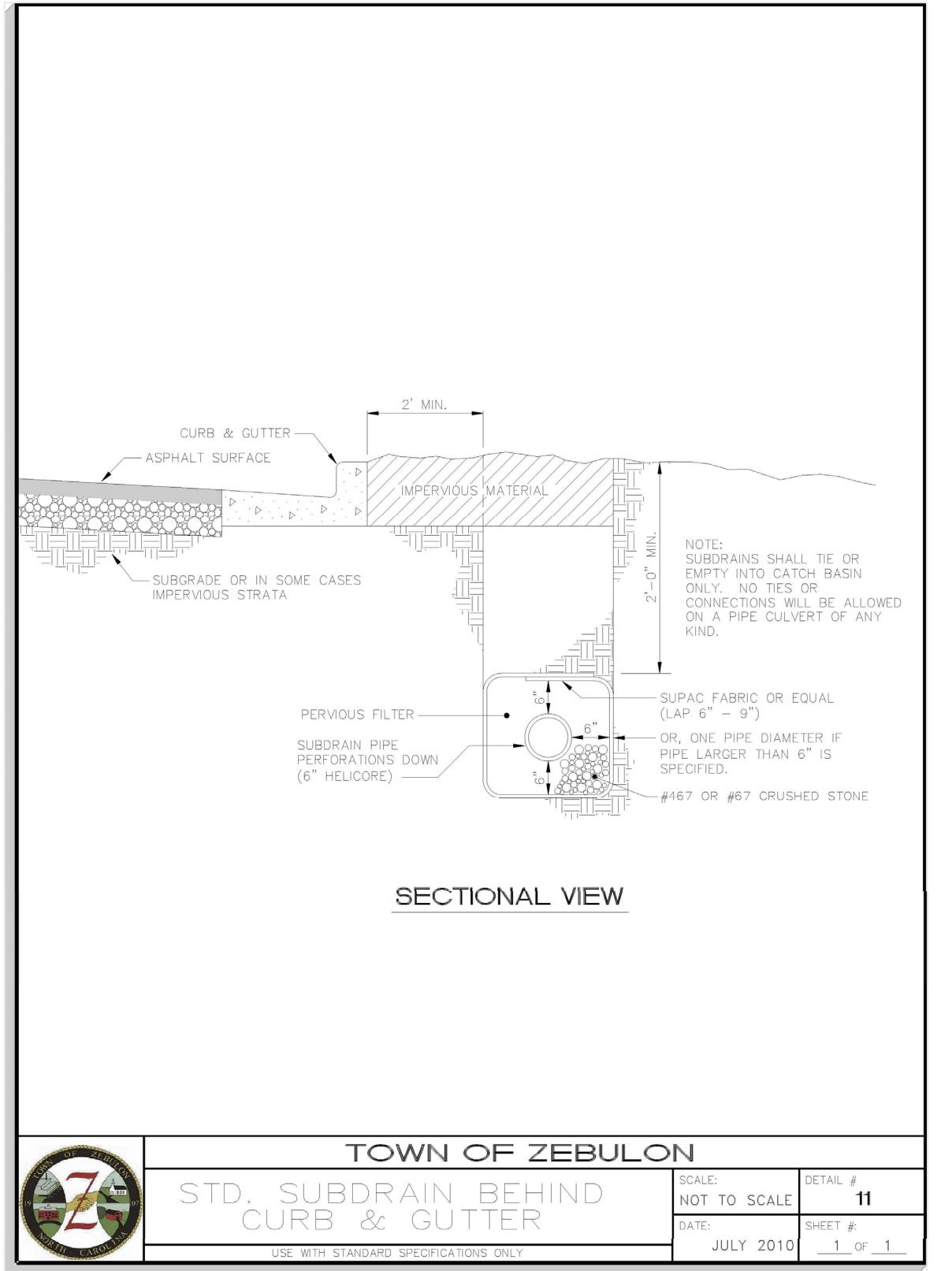
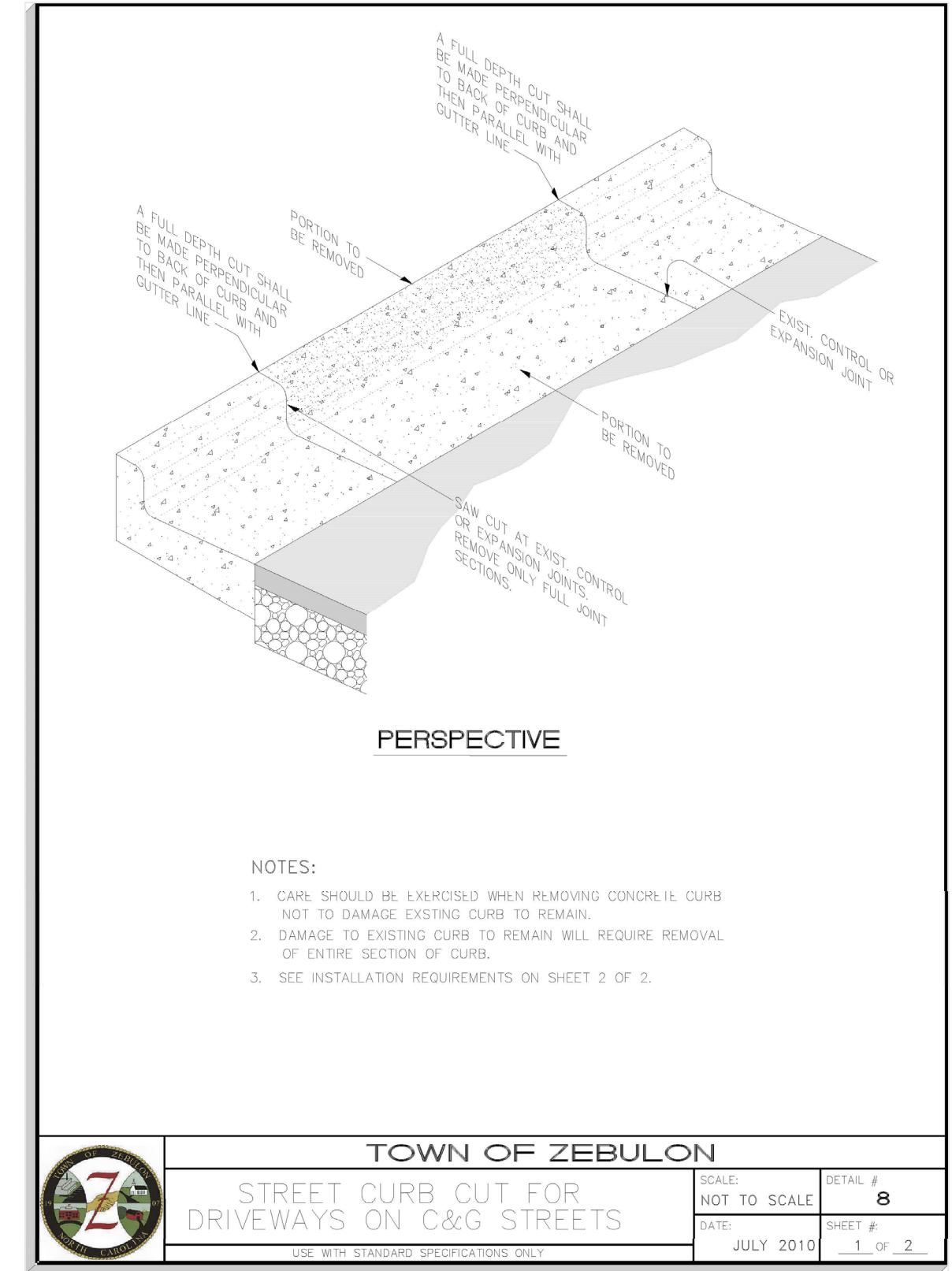
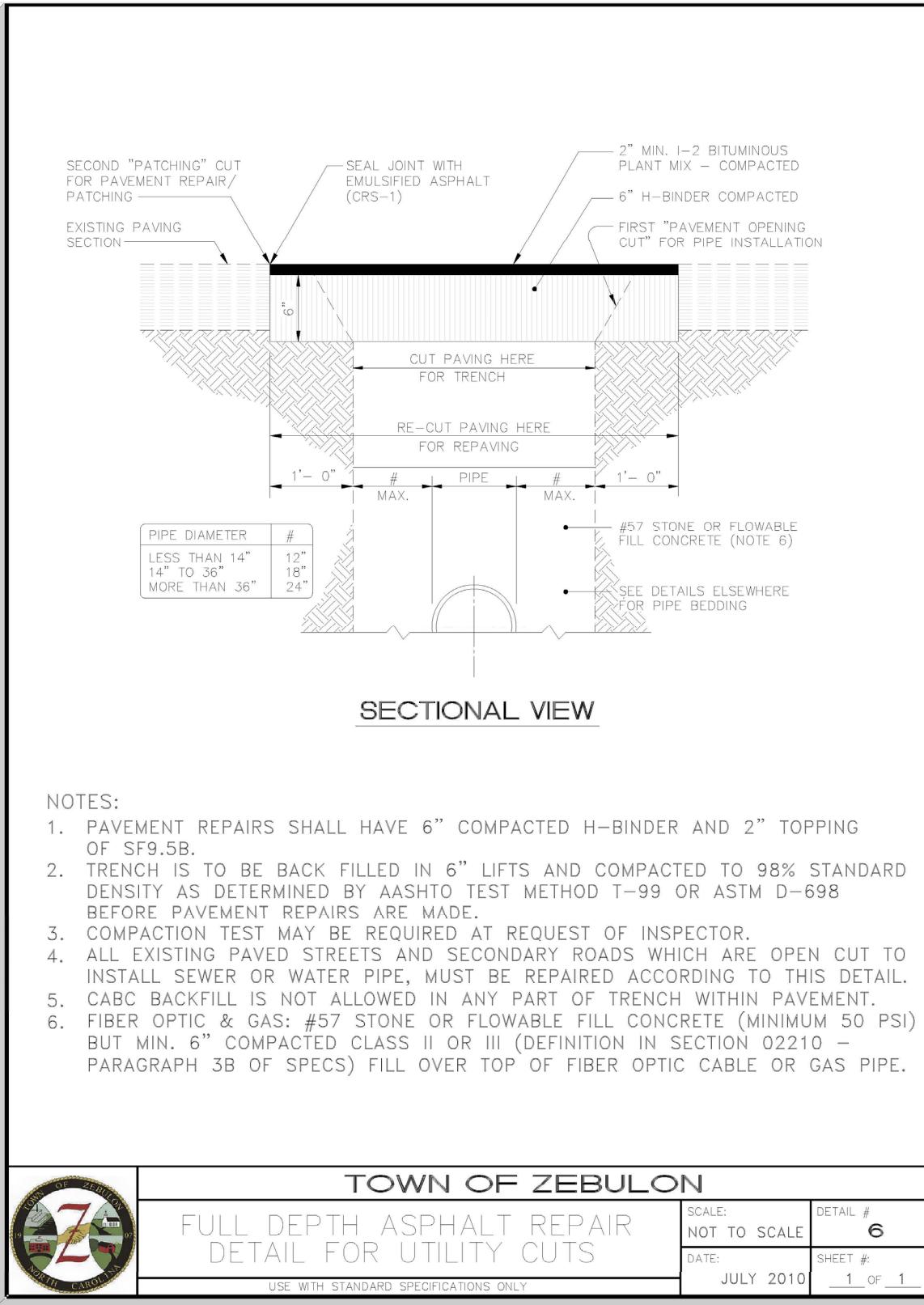
	Number Lamps	Lumens Per Lamp	Light Loss Factor
- Type III - 3000K	1	5312	0.85
401 GANNON AVE			
Zebulon, NC			
SITE LIGHTING ARRANGEMENT			
ed by	DUKE ENERGY PROGRESS LIGHTING SOLUTIONS		
ed by	N. Johnson	Scale	1" = 20'
03/14/2024		Size	Drawing size "D"
tion	LED Roadway		
No.	24-0085A	Sht.	1 OF 1

LIGHTING DESIGN TOLERANCE



PROPRIETARY & CONFIDENTIAL

NO.	DATE	REVISION



TOWN OF ZEBULON
PROJECT ID: 964220

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH TOWN OF ZEBULON STANDARDS AND SPECIFICATIONS

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION



LUMBER CUT LIST

We have included below helpful drawings to highlight the required length of lumber for your 10'x10' GRID 30 Single Pergola Kit with Water-Repellant Top for 6x6 Wood Posts build.

It is crucial to cut your wood and build to the exact measurements for the water-repellant top to fit correctly. Please see the images below for the precise measurements as indicated by **A** and **B**.



figure 1

ATTACHING THE WATER-REPELANT TOP

Divide your **C** measurement by 3 to equally space out the **KNECT** brackets. Be sure to pay special attention to the grommet placement and shift slightly to ensure that the grommets **DO NOT overlap with the KNECT brackets**. Attach with screws provided.

Attach side mounts.

Attach the top using the straps to help achieve the starting position of 2'7", the halfway point of your 6x6 dressed lumber (the actual dimension of 5.5"x5.5") on all sides including the gables.

Attach screws throughout the top in all grommets starting with one side and then repeating on the opposite side.

There is an additional reinforcement on the underside as well. The middle reinforcement should be aligned at the center at the peak (see figure 3).



figure 2



figure 3

CANOPY/SUN SHADE CUT SHEET

CANOPY/SUN SHADE NOTE

THE DETAILS IN THESE PLANS FOR THE CANOPY/SUN SHADE ARE FOR REFERENCE ONLY. THE FINAL PRODUCT SELECTED AND INSTALLED MAY DIFFER IN SIZE, SHAPE AND STYLE FROM WHAT IS SHOWN HERE.

PING PONG / TABLE TENNIS



CONCRETE AND STEEL PING PONG / TABLE TENNIS

Regulation Size: 10'6" x 60" x 30" H, table top thickness 4"
Weight: 2,615 lbs. - 4,034 lbs. (varies per model)

Net Features
2 net options available
Stainless steel & side gussets
1/4" thick plate that extends between table tops
Gusseted stainless steel end supports for added strength
Tamper resistant assembly screws

Table Customization Options
Net signage. Aluminum backed signs attach to both sides of the net. Secured with tamper resistant bolts.
Laser engraved net. Note: This option is available, but only readable from one side of the table. The opposite side is mirrored.
Logo applied to the playing surface at both ends. We use the highest quality concrete paints. Custom colors are available.
Contrast Sandblast wording on vertical edge of the tabletop at both ends.
Bronze plaques for donations, dedications or memorials.
Special Color table tops & base

PING PONG / TABLE TENNIS



CONCRETE AND STEEL PING PONG / TABLE TENNIS

Regulation Size: 10'6" x 60" x 30" H, table top thickness 4"
Weight: 2,615 lbs. - 4,034 lbs. (varies per model)

Net Features
2 net options available
Stainless steel & side gussets
1/4" thick plate that extends between table tops
Gusseted stainless steel end supports for added strength
Tamper resistant assembly screws

For more information about these pieces, call (800) 233-3807

ACTIVE OPEN SPACE AMENITY

ACTIVE OPEN SPACE AMENITY NOTE

THE DETAILS IN THESE PLANS FOR THE ACTIVE OPEN SPACE AMENITY ARE FOR REFERENCE ONLY. THE FINAL PRODUCT SELECTED AND INSTALLED MAY DIFFER IN SIZE, SHAPE AND STYLE FROM WHAT IS SHOWN HERE.

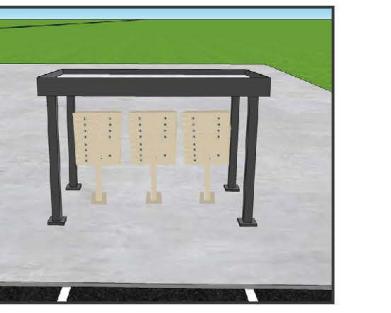
For more information about these pieces, call (800) 233-3807

BETTER BUILT STRONGER BUILT PANEL BUILT

Panel Built Mailbox Shelters are the perfect solution to get your community's mailbox clusters up to USPS code. Our shelters can provide maximum protection from the elements with options for fully enclosed shelters with sidewalls. Panel Built's shelters are available in fully custom designs able to seamlessly blend into your existing architecture.



Mailbox Shelters



- Standard Design**
 - 14 gauge steel mechanical tube framing (or heavier)
 - Prime to paint system epoxy primer with clear finish
 - 1/4" clear tempered glass windows
 - 3" thick aluminum roof panels
 - 2"-3" thick steel shelter walls
 - Interior LED Lighting & Electric

- Features**
 - Sheet hip, or raised fascia roof
 - Variety of custom color options
 - Standard, Tinted, or Reflective window glass options
 - Heavy-duty welded steel frame
 - Ready-to-anchor baseplates for quick installation on-site
 - Exterior mounted security lights
 - Fully enclosed options available with lockable access control

- Shelter Options**
 - Available in fully-welded and bolt-together designs
 - Side-wall options available for maximum weather coverage
 - Exterior mounted security lights
 - Custom, architectural designs available

MAIL CBU COVER CUT SHEET

MAIL CBU COVER NOTE

THE DETAILS IN THESE PLANS FOR THE MAIL CBU COVER ARE FOR REFERENCE ONLY. THE FINAL PRODUCT SELECTED AND INSTALLED MAY DIFFER IN SIZE, SHAPE AND STYLE FROM WHAT IS SHOWN HERE.

REVISIONS

1 2023-07-10 LAYOUT UPDATES AND REVISIONS PER TOWN COMMENTS

2 2023-09-14 LAYOUT UPDATES AND REVISIONS PER TOWN COMMENTS

3 2023-10-10 LAYOUT UPDATES AND REVISIONS PER TOWN COMMENTS

4 2023-11-10 LAYOUT UPDATES AND REVISIONS PER TOWN COMMENTS

5 2023-12-10 LAYOUT UPDATES AND REVISIONS PER TOWN COMMENTS

6 2024-01-10 LAYOUT UPDATES AND REVISIONS PER TOWN COMMENTS

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13 2024-08-10 LAYOUT UPDATES AND REVISIONS PER TOWN COMMENTS

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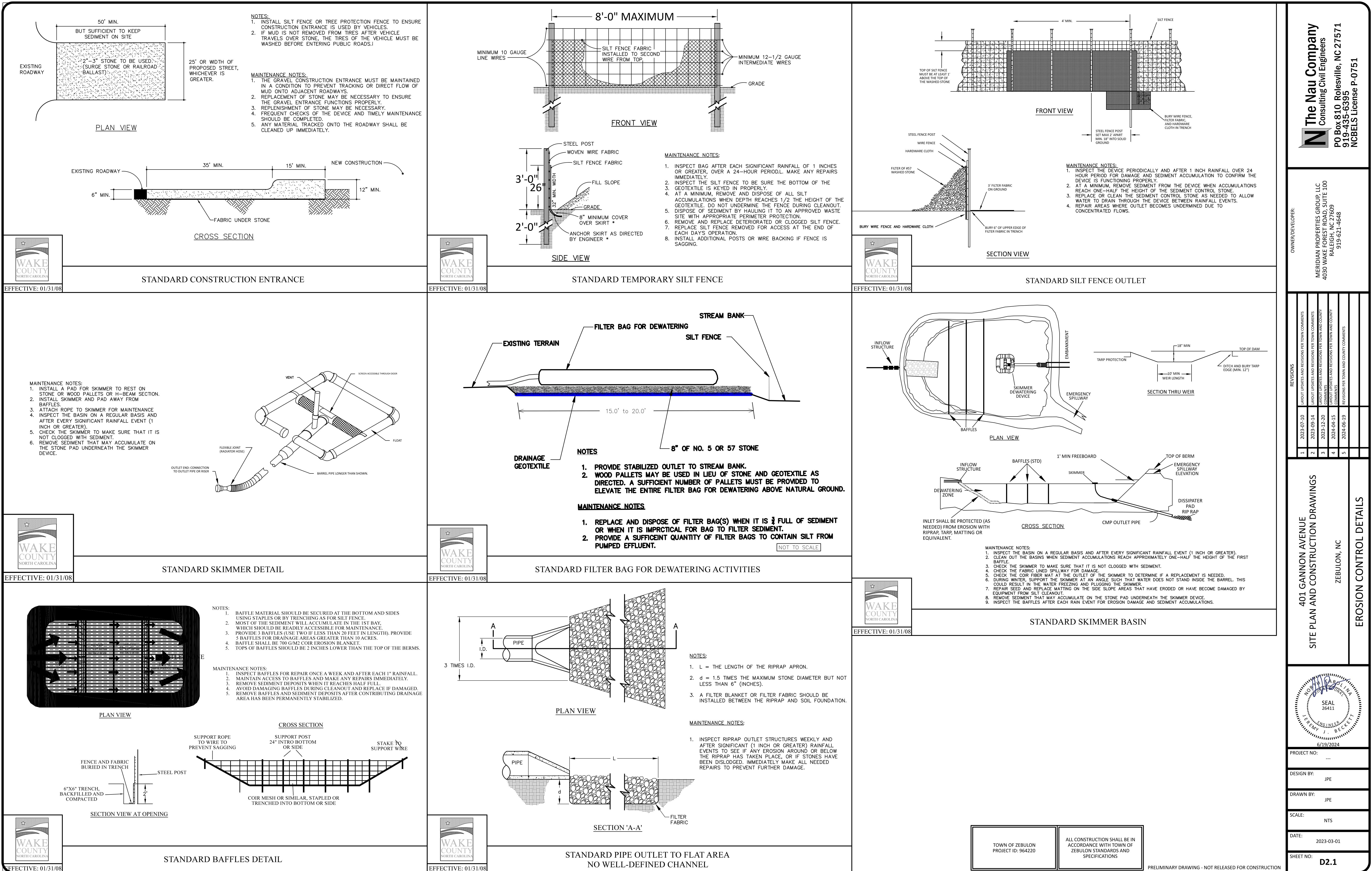
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73 2029-08-10 LAYOUT UPDATES AND REVISIONS PER TOWN COMMENTS

74 2029-09-10 LAYOUT UPDATES AND REVISIONS PER TOWN COMMENTS



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 of a stable ground surface. 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

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

Note: After the permanent cessation of construction activities, designated areas with temporary ground stabilization shall be converted to permanent ground stabilization as soon as practicable but in no case longer than 20 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

Stabilize the ground sufficiently so that rain will not dislodge the soil. Use one of the techniques in the table below:

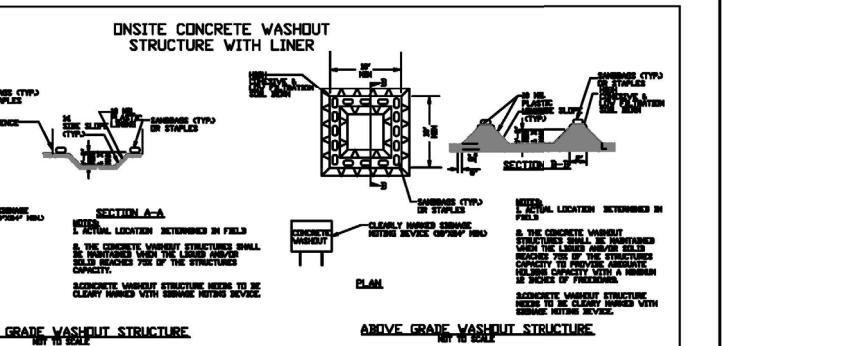
Temporary Stabilization	Permanent Stabilization
• Temporary grass seed covered with straw or other mulches and tackifiers	• Permanent grass seed covered with straw or other mulches and tackifiers
• Hydroseeding	• Geotextile fabrics such as permanent soil reinforcement matting.
• Rolled erosion control products with or without temporary grass seed	• Hydroseeding
• Appropriately applied straw or other mulch	• Shrub and other permanent plantings covered with mulch
• Plastic sheeting	• Uniform and evenly distributed ground cover sufficient to restrain erosion
	• Structural methods such as concrete, asphalt or retaining walls
	• Rolled erosion control products with grass seed

POLYACRYLAMIDES (PAMS) AND FLOCCULANTS

- Select flocculants that are appropriate for the soils being exposed during construction; selecting from the NC DWR List of Approved PAMS/Flocculants.
- Apply flocculants at or before the inlets to Erosion and Sediment Control Measures.
- 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 effluents.
- 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.
- 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 surface waters.
- Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Containments 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 ponds 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 high foot traffic areas.
- Monitor portable toilets for leaking and properly dispose of any leaked material. Utilize a licensed erosion/waste hauler to remove leaking portable toilets and replace with properly operating units.

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 drift into wells, stormwater drains, ground water or surface water. If a spill occurs, clean area immediately.
- Do not stockpile these materials onsite.

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 the 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.

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

OWNER/DEVELOPER:

MERIDIAN PROPERTIES GROUP, LLC
4030 WAKE FOREST ROAD, SUITE 100
RALEIGH, NC 27609
919.521.4648

REVISIONS:

1	2023-07-10	LAYOUT UPDATES AND REVISIONS FOR TOWNS COMMENTS
2	2023-09-14	

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 conduct the inspection. In addition, when a storm event of equal to or greater than 1.0 inch occurs outside of normal business hours, the self-inspection shall be performed upon the commencement of the next business day. Any time when inspections 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-day rainfall information is available, then a cumulative rain measurement for those three attendant days (and this will determine if a site inspection is needed) days on which no rainfall occurred shall be recorded as "zero". The Division may use another rain-measuring device approved by the Division.
(2) E&SC Measures	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	Identification of the measures inspected; Date and time of inspection; Name of the person performing the inspection; Indication whether the measures were operating;
(3) Stormwater outfalls (SDOs)	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	Description of maintenance needs for the measure; Description, evidence, and date of corrective actions taken;
(4) Perimeter of site	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	Description, evidence, and date of corrective actions taken, and indication as to the actions taken to control future releases.
(5) Erosion or sediment control or offsite (where applicable)	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	If the stream or wetland has increased with sedimentation or a change in water quality, then a report to the Division or inspection agency, then a record of the following shall be made: 1. Description, evidence, and date of corrective actions taken; 2. Description, evidence, and date of corrective actions taken, and indication as to the actions taken to control future releases.
(6) Ground stabilization measures	After each phase of grading	The phase of grading/installation of perimeter E&SC measures, clearing and grubbing, installation of storm drainage facilities, completion of all land-disturbing activity, construction or redevelopment, permanent ground stabilization.

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

PART III
SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION B: RECORDKEEPING

E&SC Plan Documentation

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

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



NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING

EFFECTIVE: 04/01/19

REVISIONS:

401 GANNON AVENUE
SITE PLAN AND CONSTRUCTION DRAWINGS
ZEBULON, NC

EROSION CONTROL DETAILS

REAL
9/14/2023

PROJECT NO: ---

DESIGN BY: JPE

DRAWN BY: JPE

SCALE: NTS

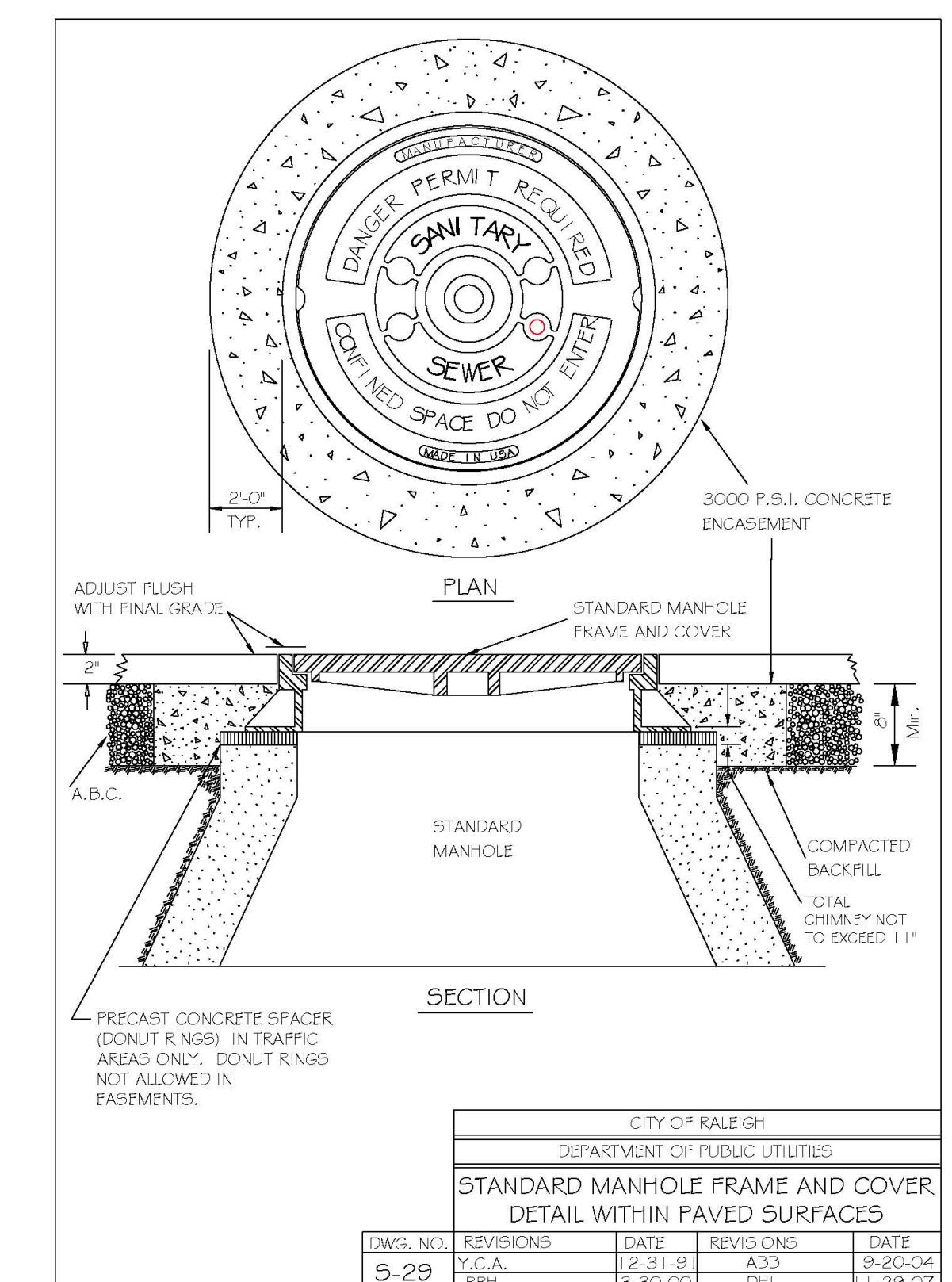
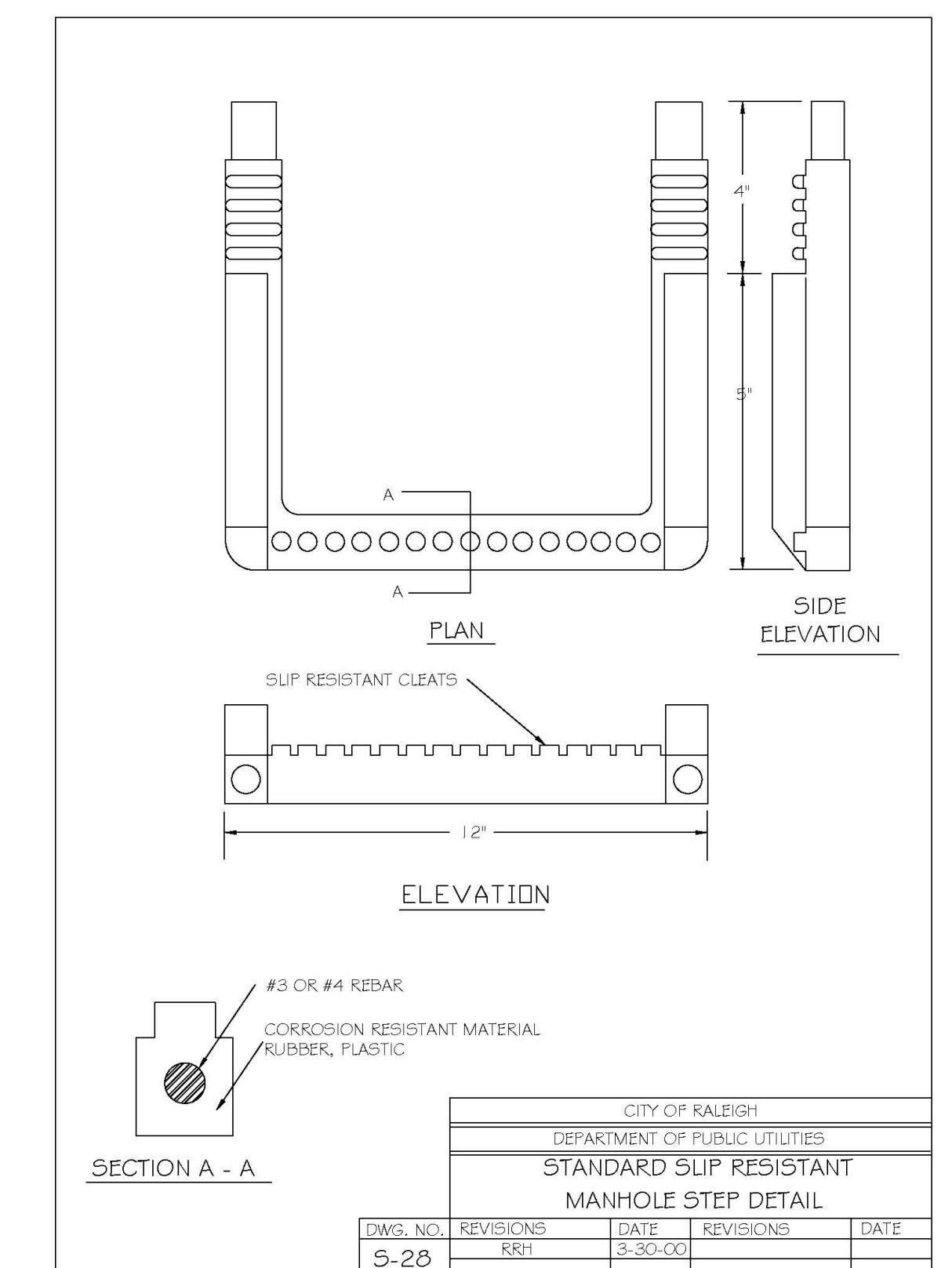
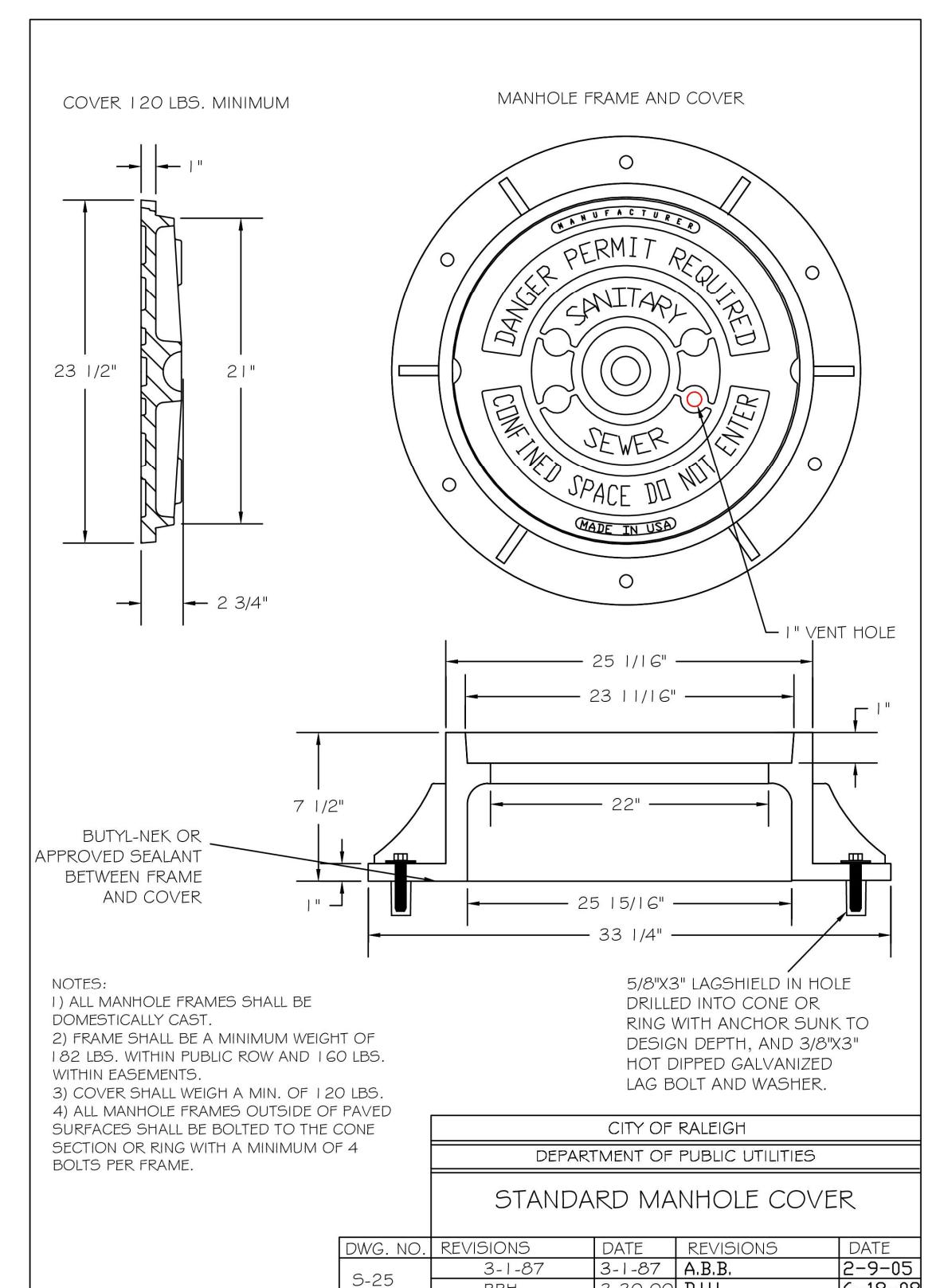
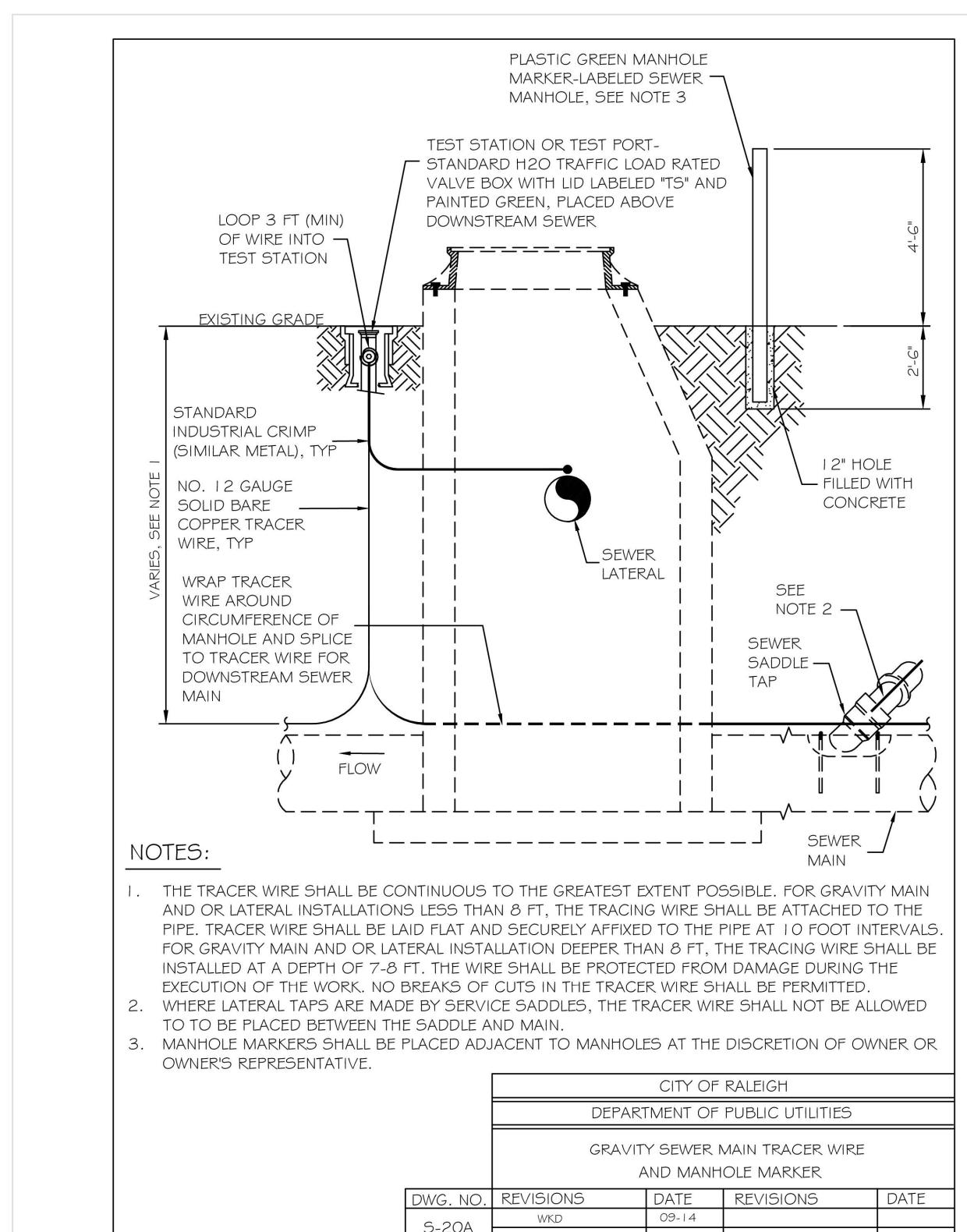
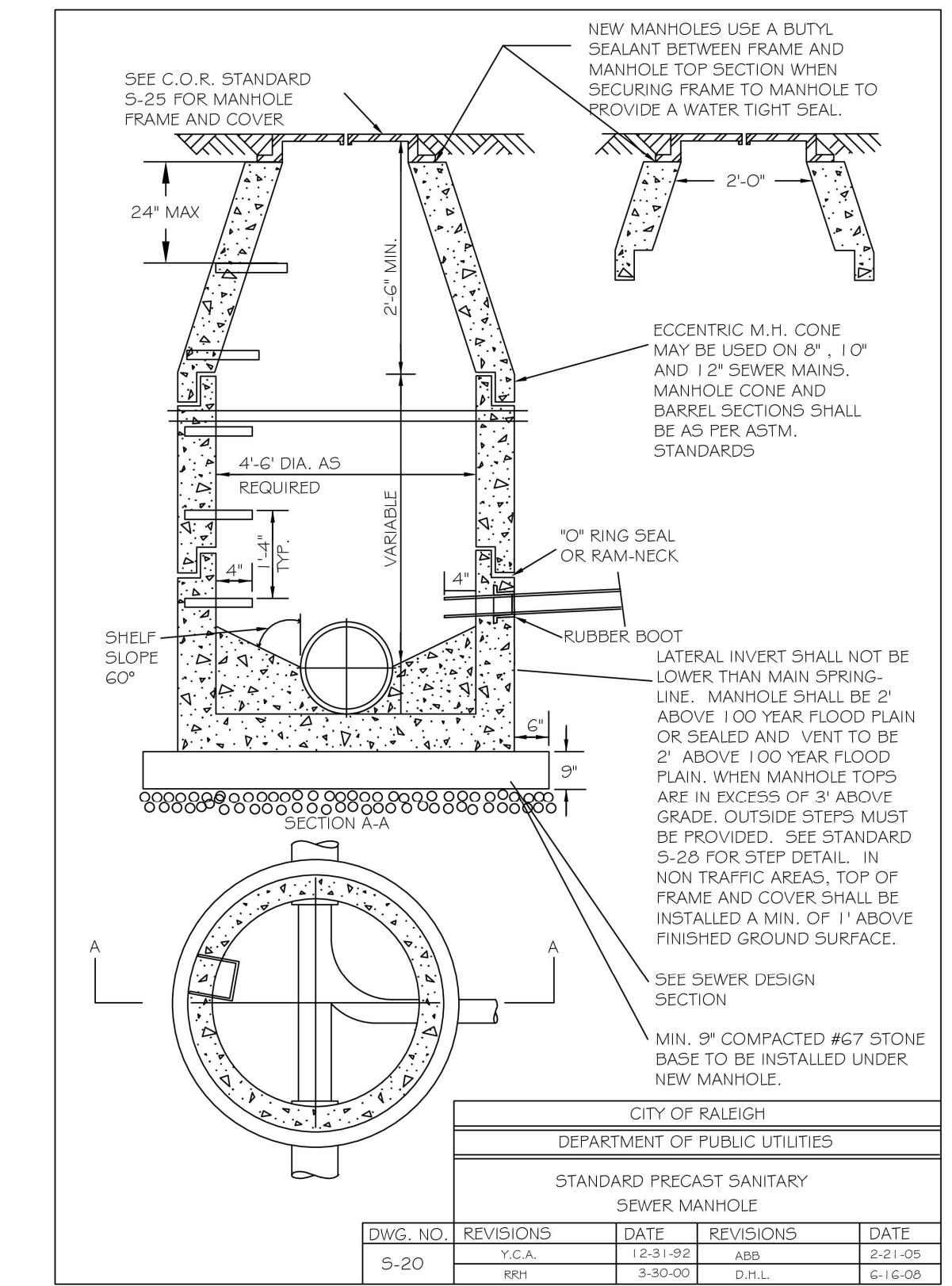
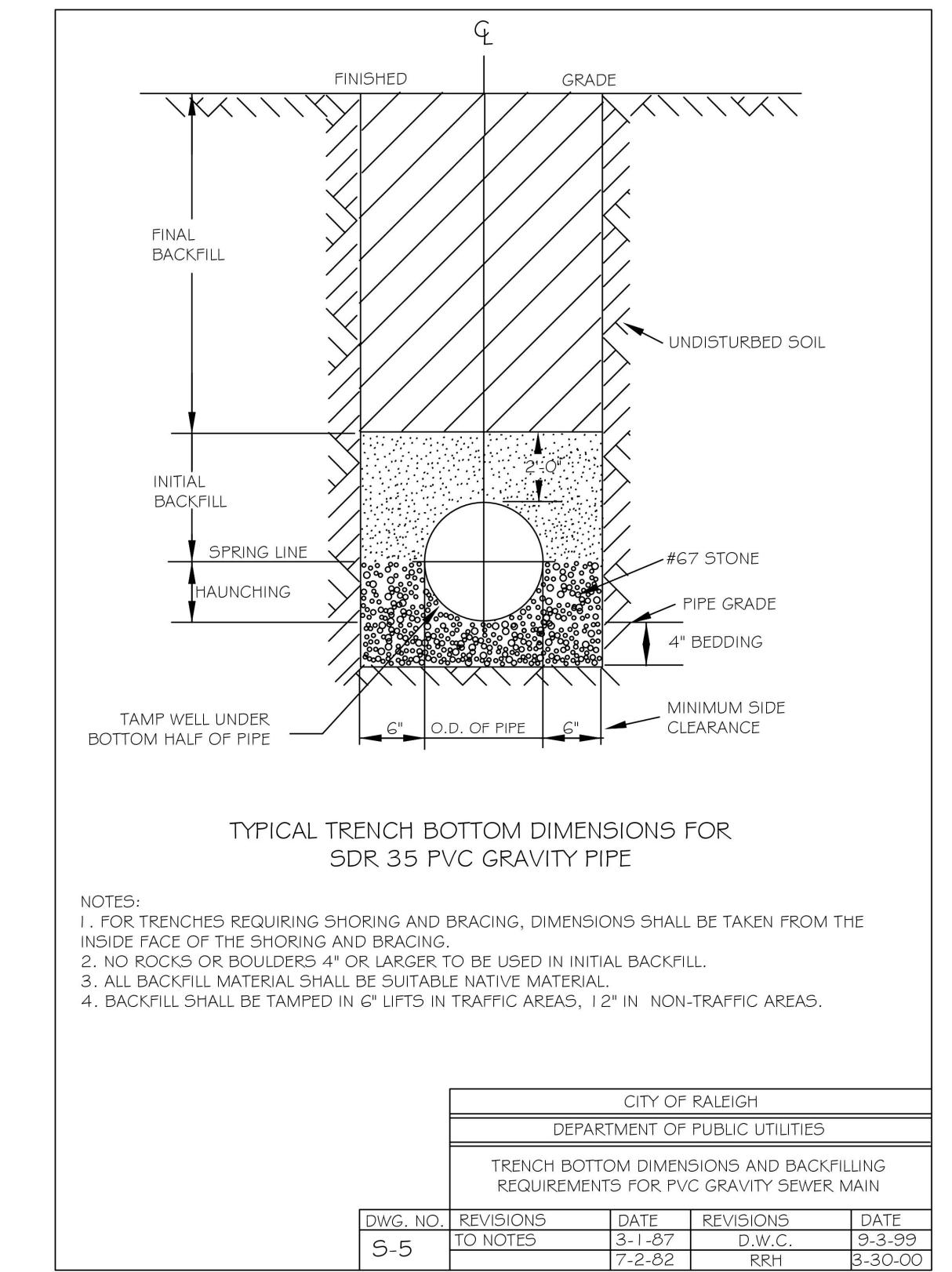
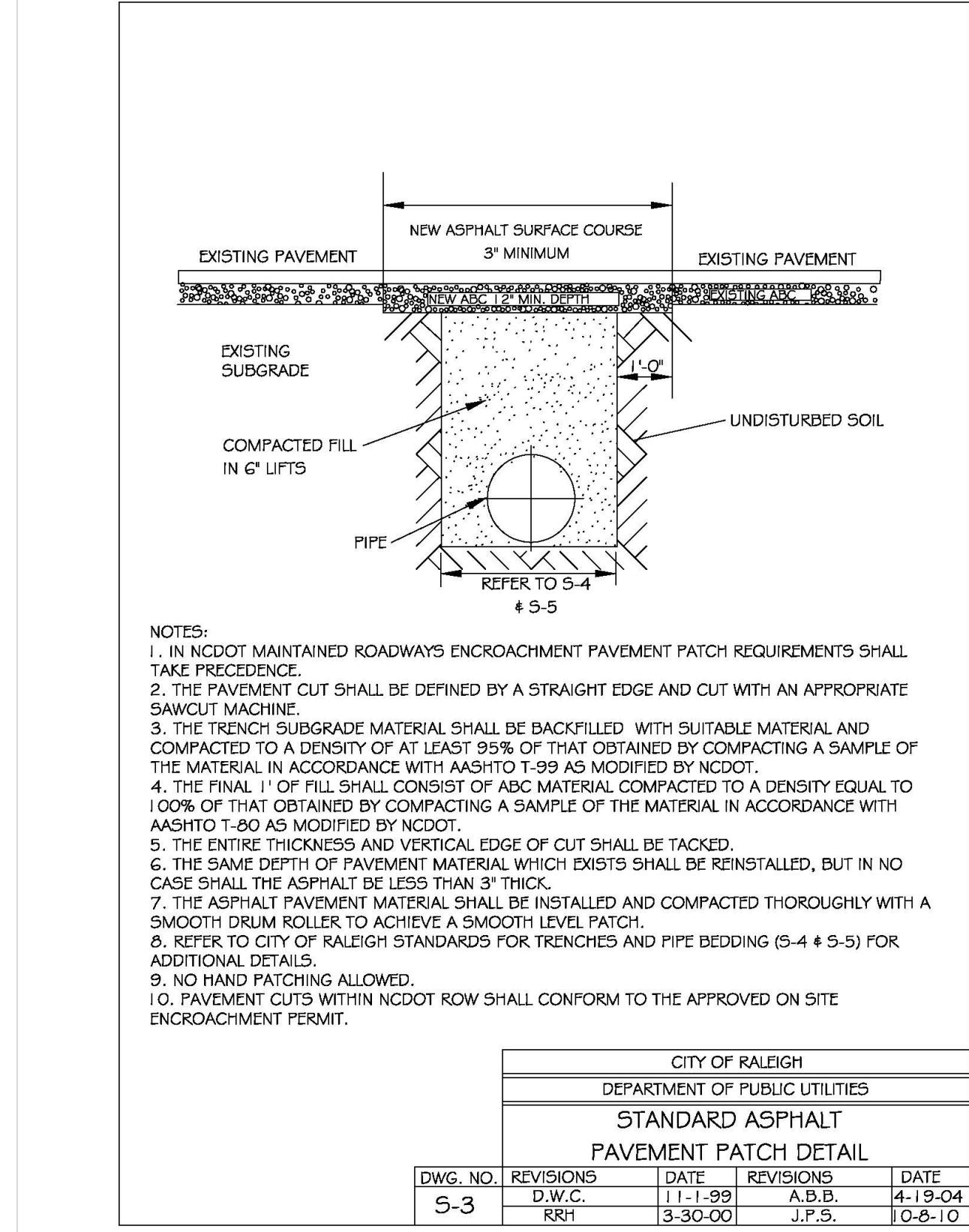
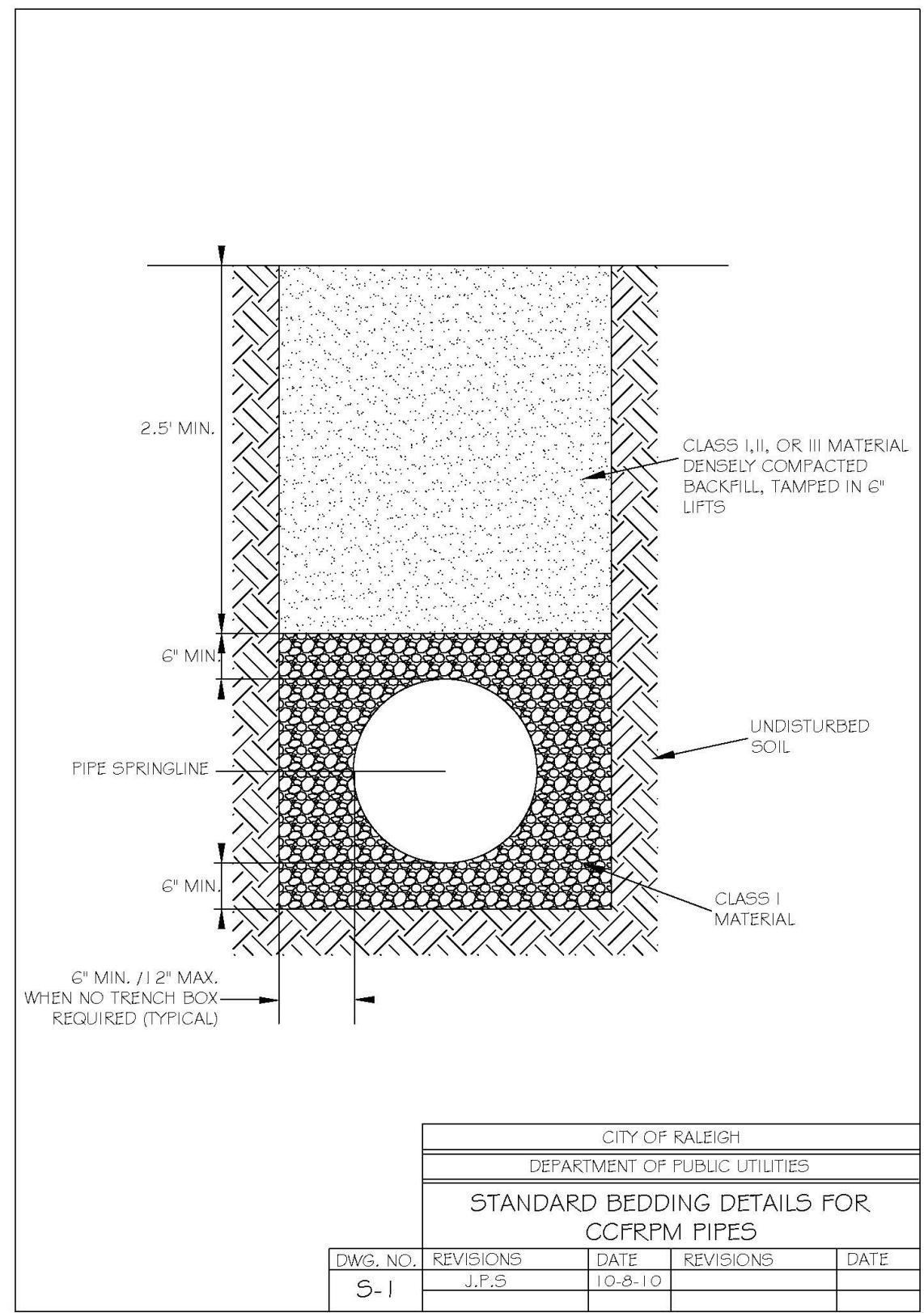
DATE: 2023-03-01

SHEET NO: D2.2

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

TOWN OF ZEBULON
PROJECT ID: 964220

ALL CONSTRUCTION SHALL BE IN
ACCORDANCE WITH TOWN OF
ZEBULON STANDARDS AND
SPECIFICATIONS



The Nau Company
Consulting Civil Engineers

PO Box 810 Rolesville, NC 27571
919-435-6395
NCBELS License P-0751

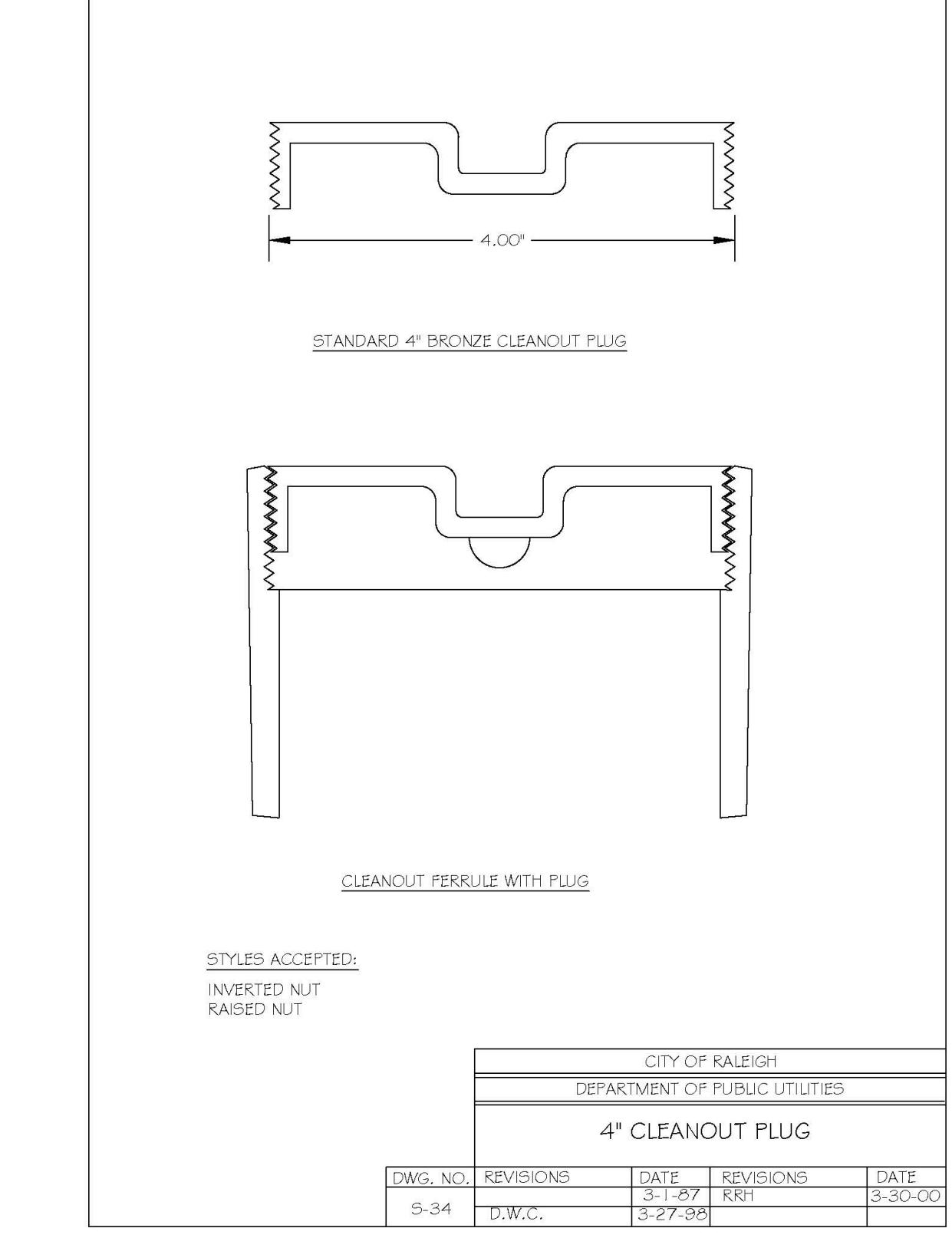
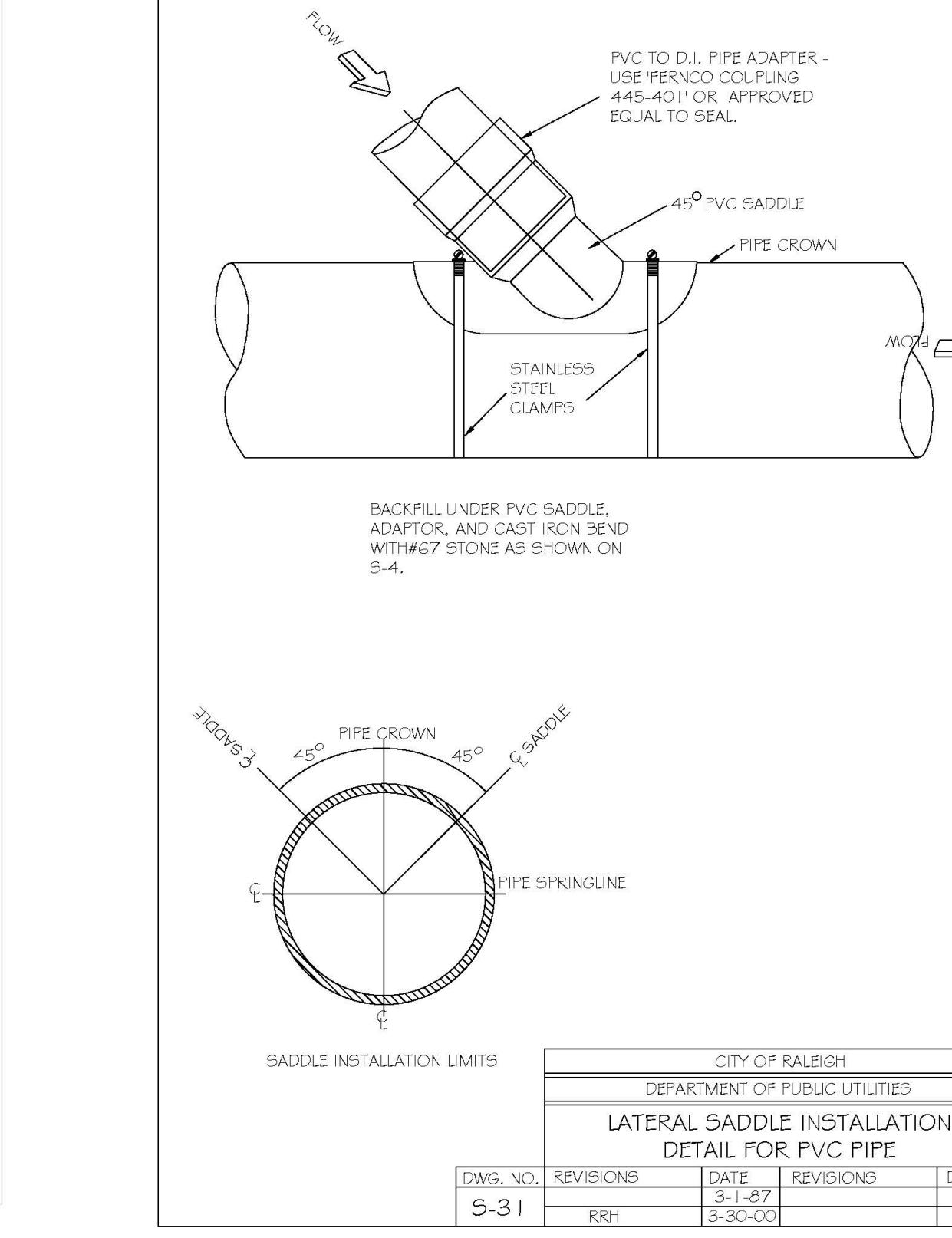
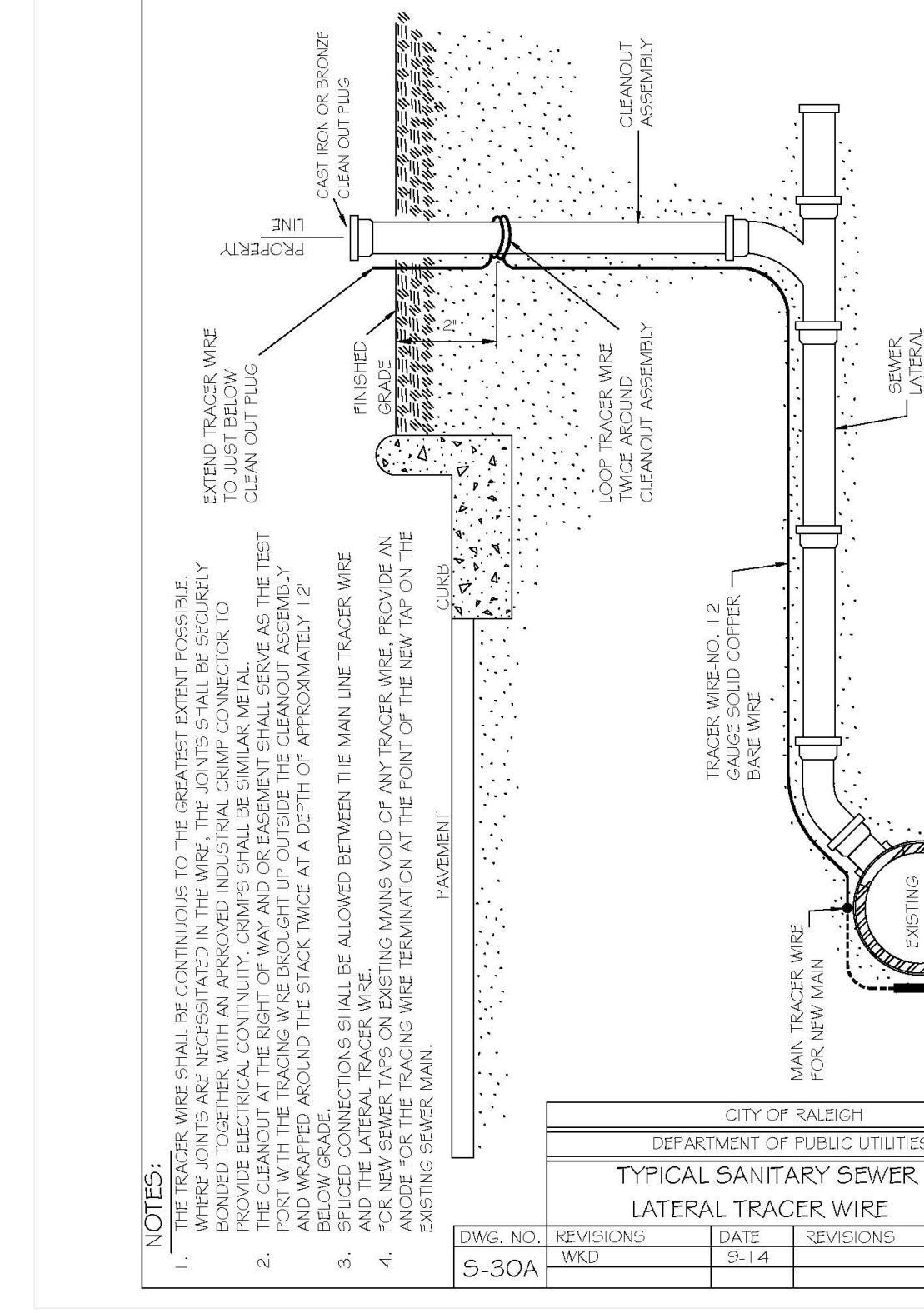
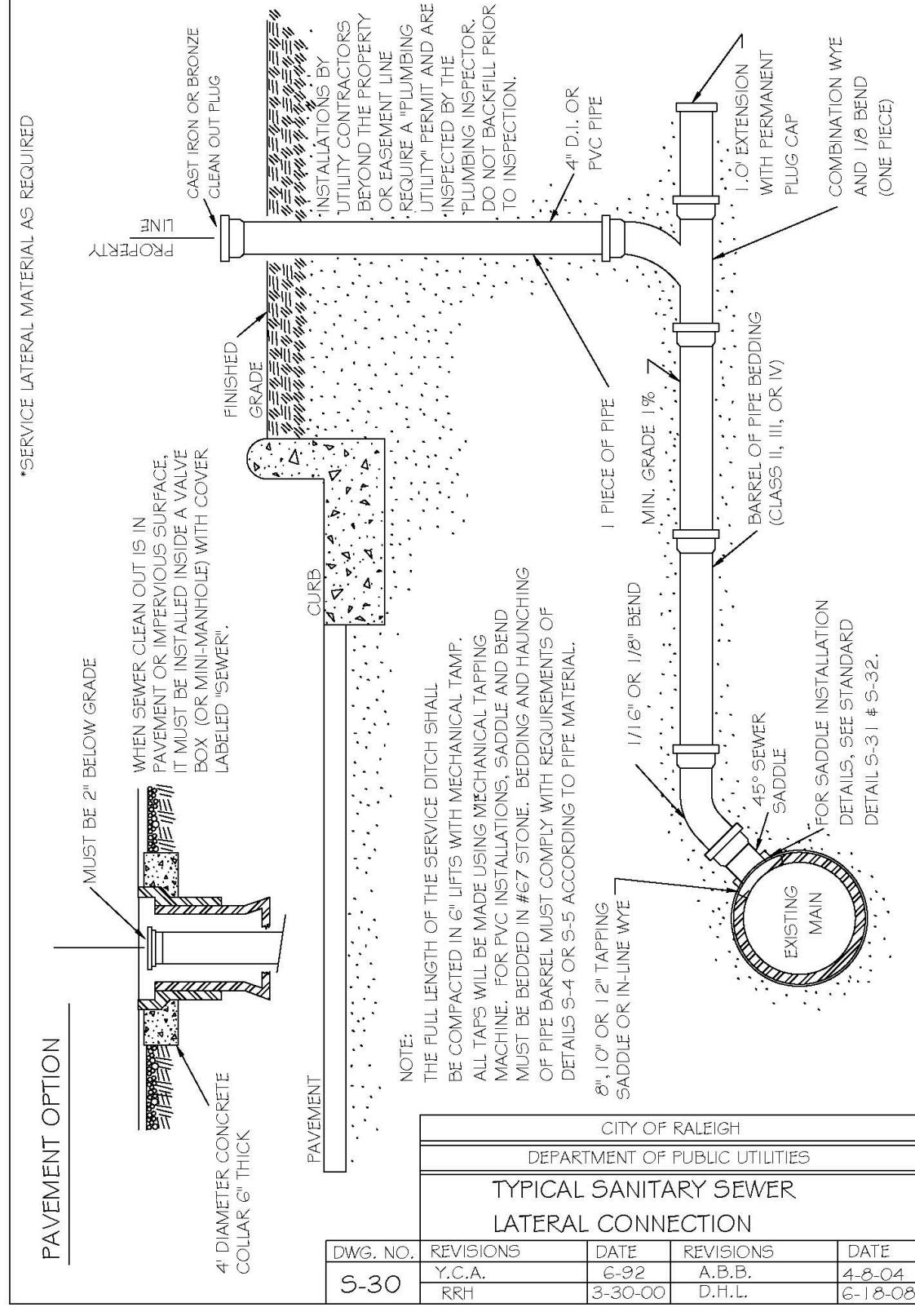
MERIDIAN PROPERTIES GROUP, LLC
4030 WAKE FOREST ROAD, SUITE 100
RALEIGH, NC 27609
919-621-4648

SANITARY SEWER DETAILS

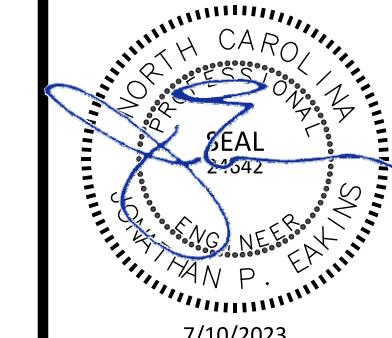
401 GANNON AVENUE
SITE PLAN AND CONSTRUCTION DRAW

ZEBULON, NC

PROJECT NO:	
DESIGN BY: JPE	
DRAWN BY: JPE	
SCALE: NTS	
DATE: 2023-03-01	
SHEET NO:	D3.1



401 GANNON AVENUE
SITE PLAN AND CONSTRUCTION DRAWINGS
ZEBULON, NC
SANITARY SEWER DETAILS



7/10/2023

PROJECT NO.: ---

DESIGN BY: JPE

DRAWN BY: JPE

SCALE: NTS

DATE: 2023-03-01

SHEET NO: D3.1

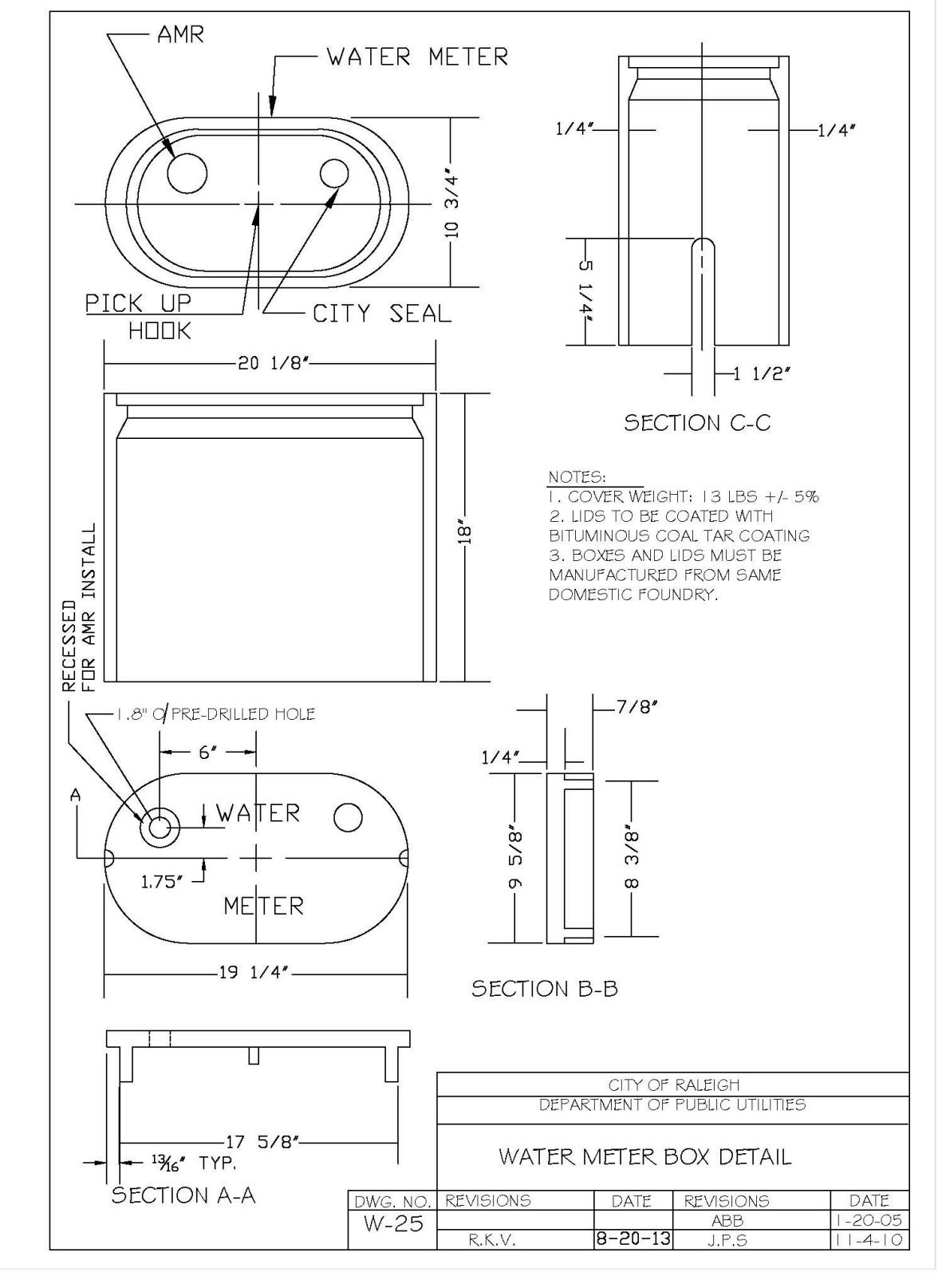
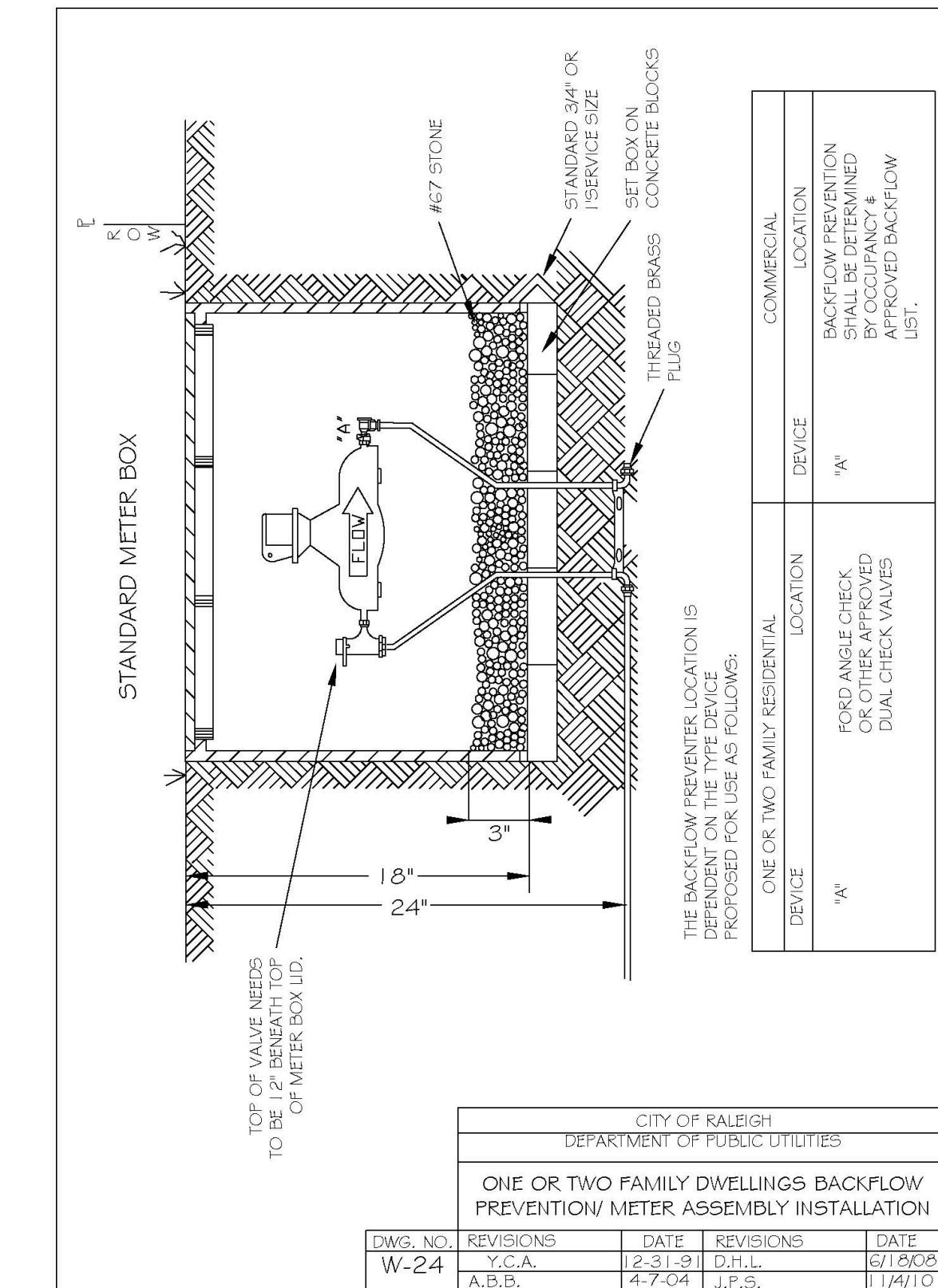
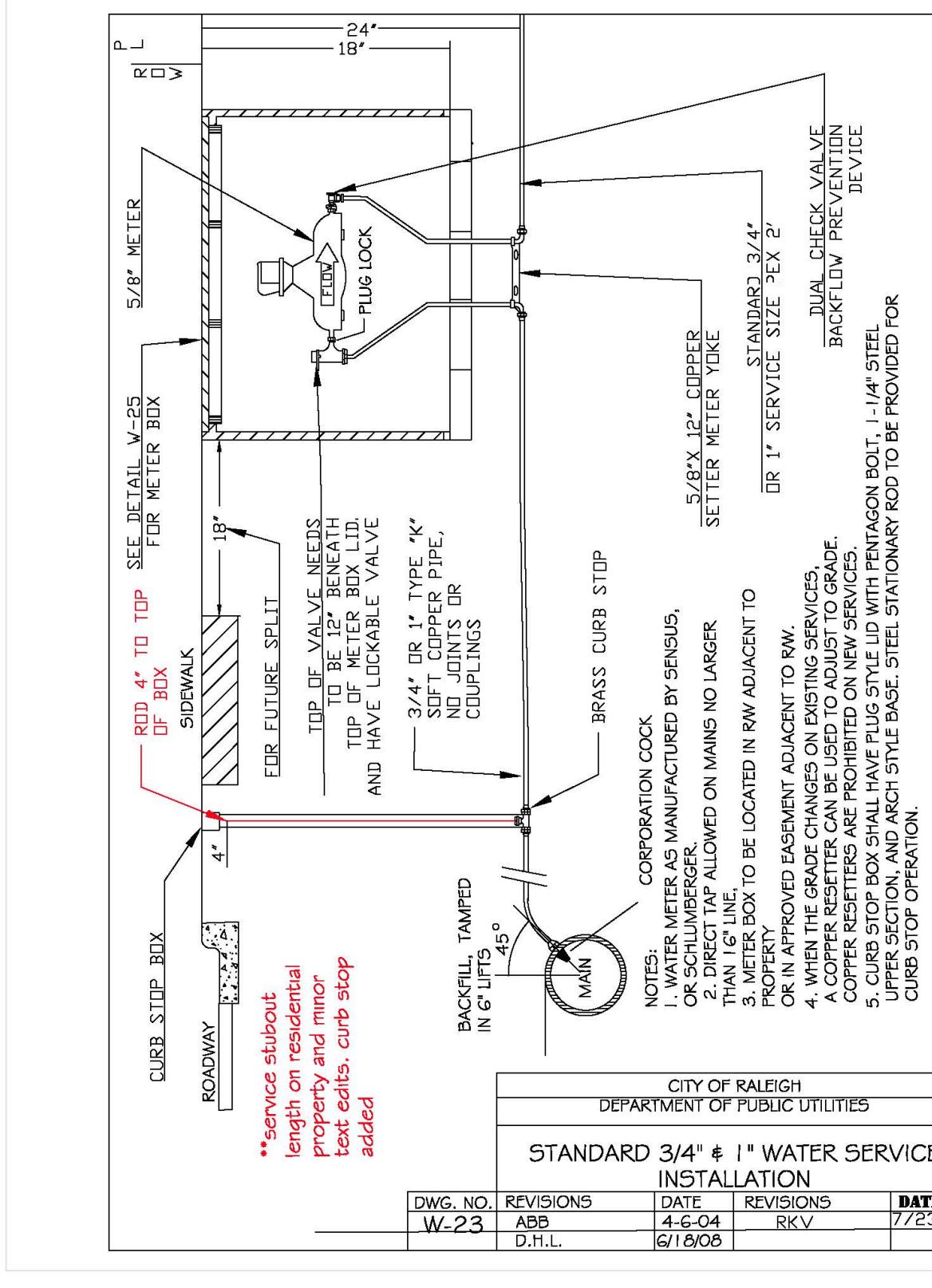
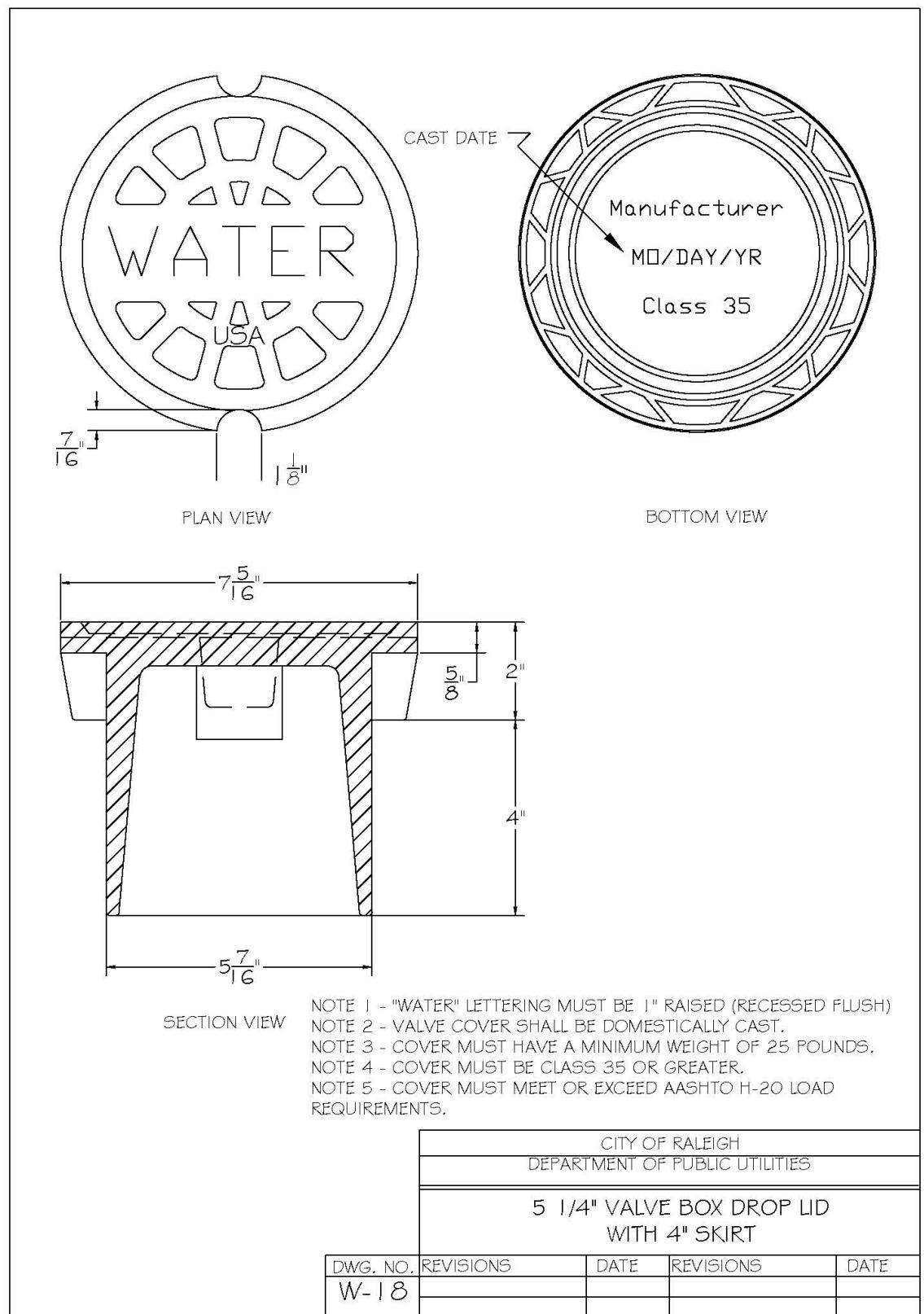
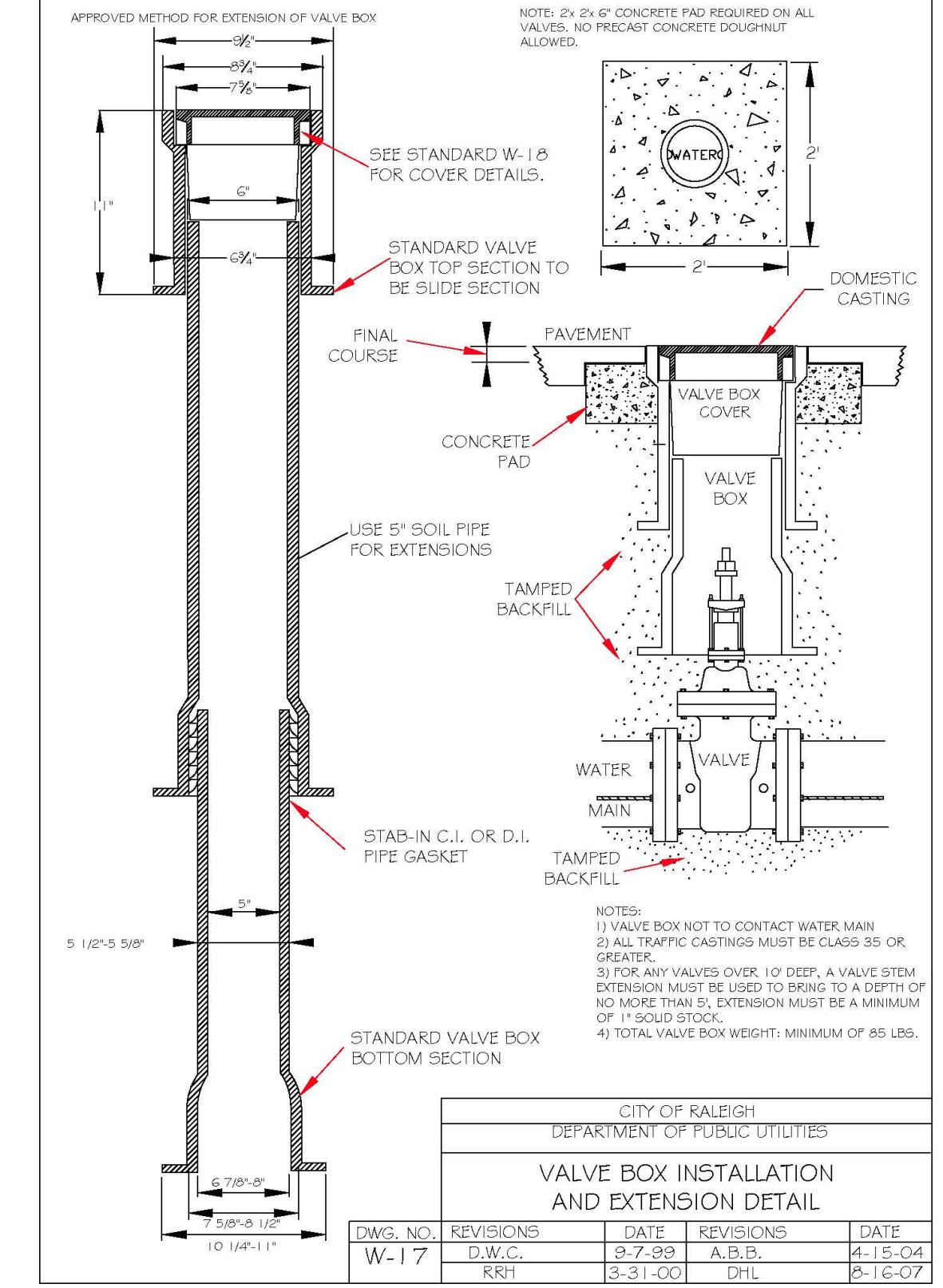
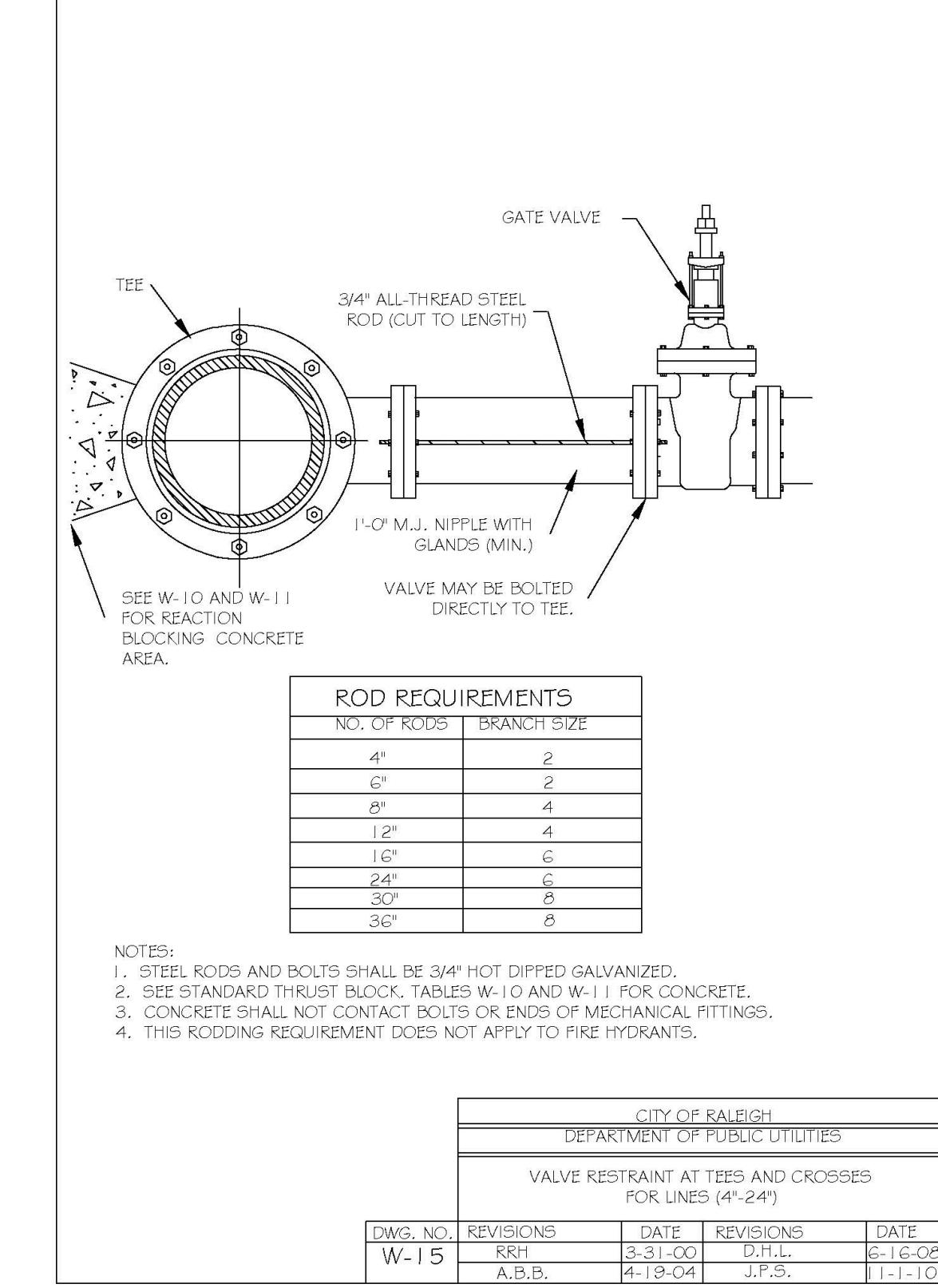
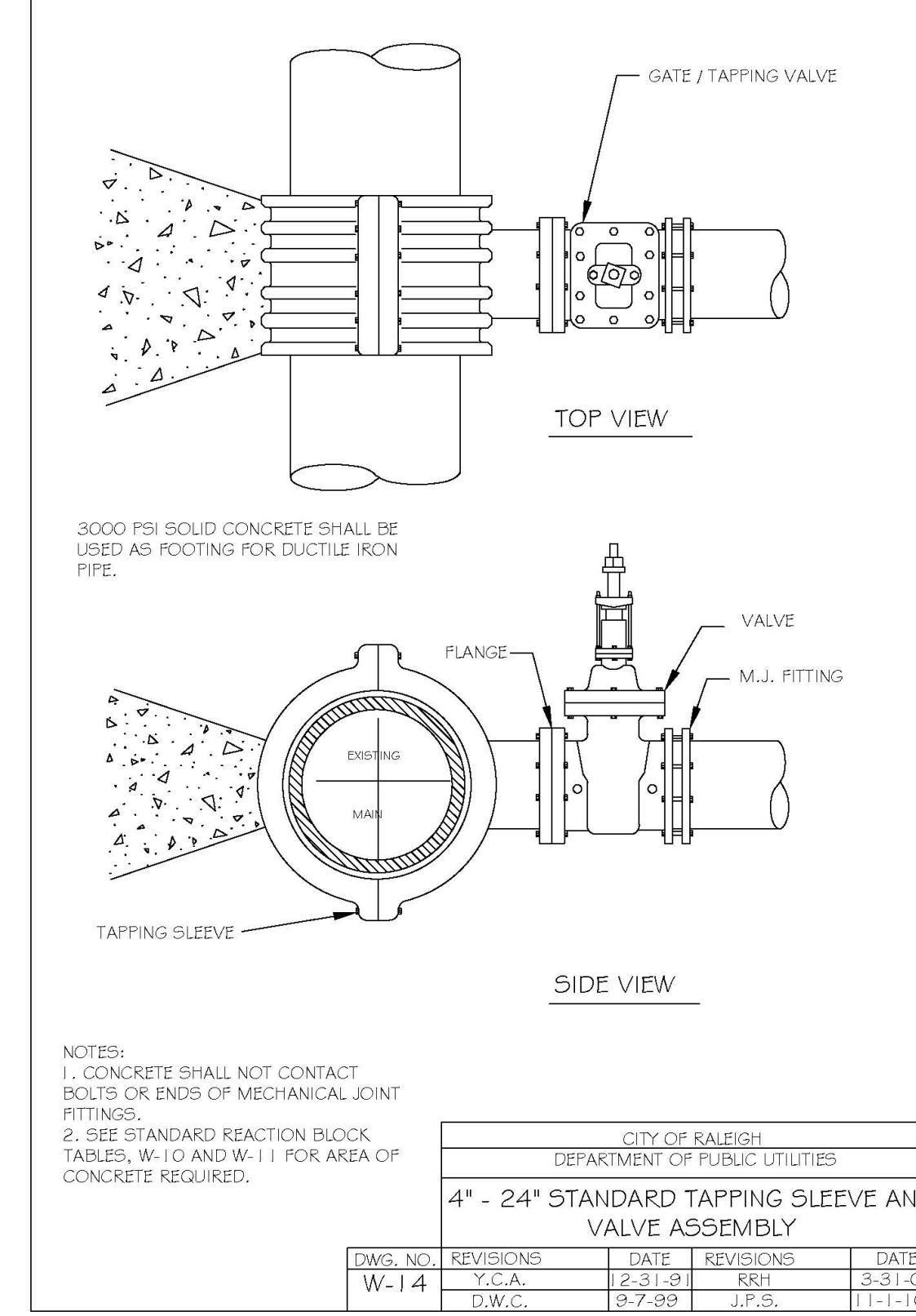
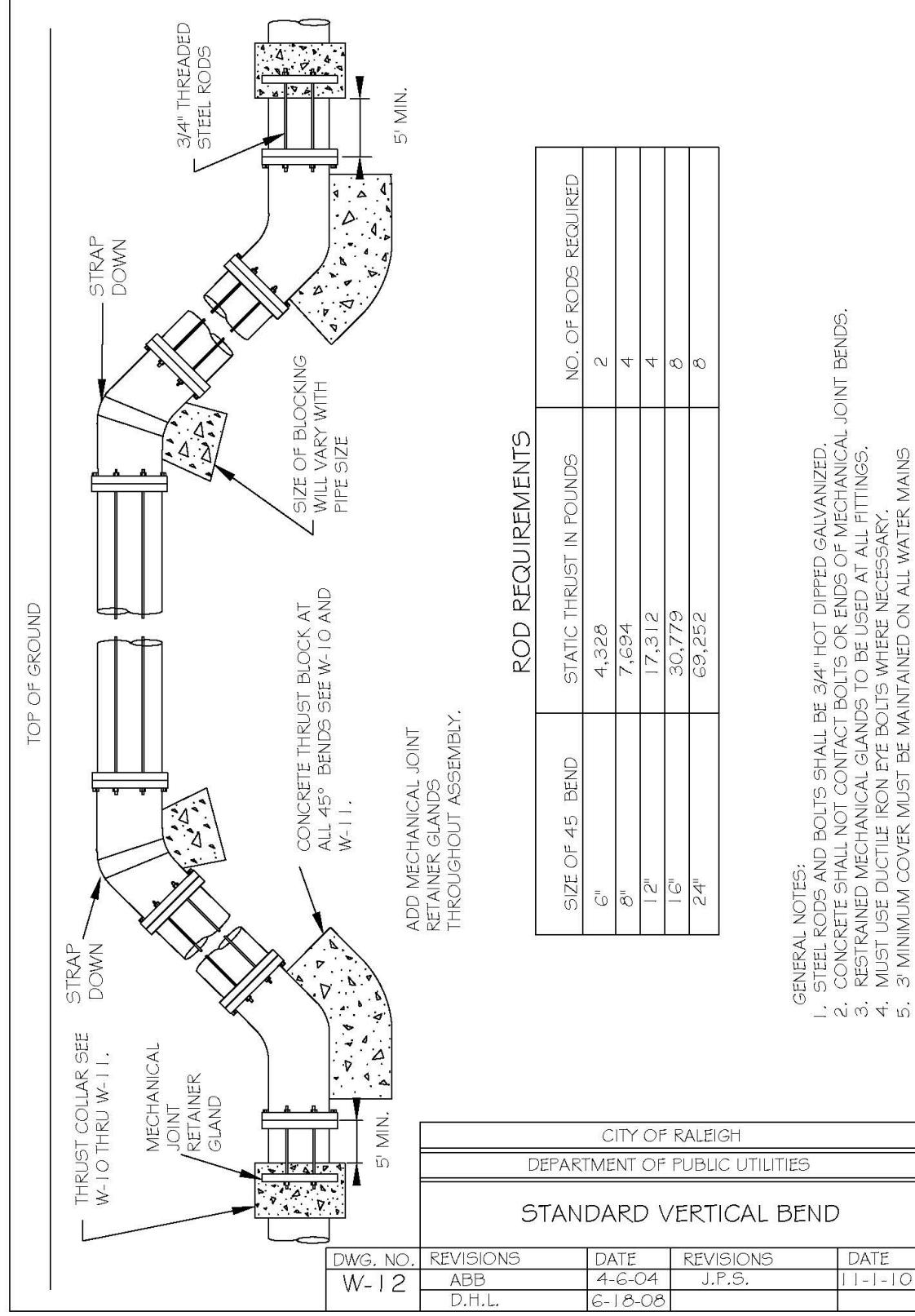
TOWN OF ZEBULON
PROJECT ID: 964220

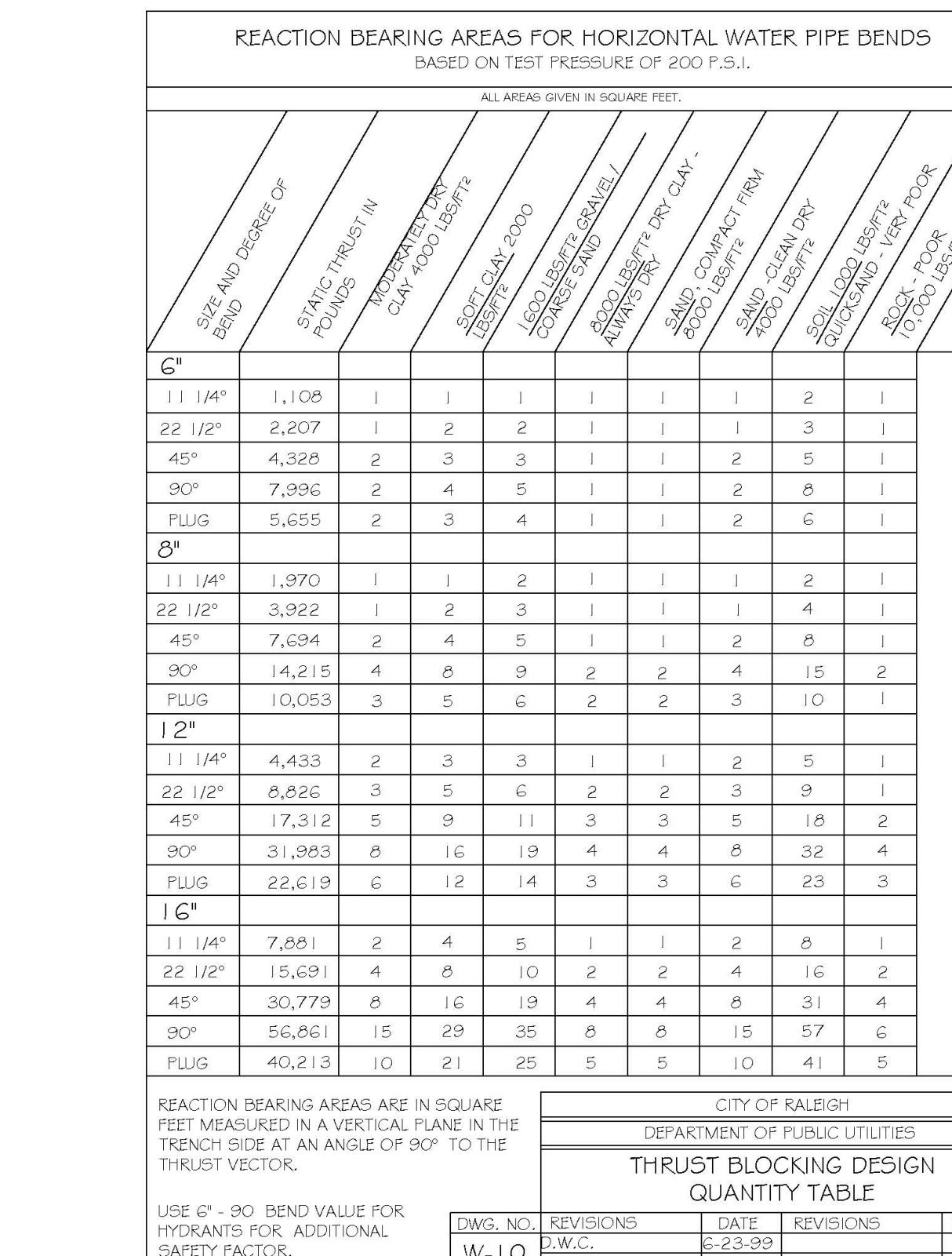
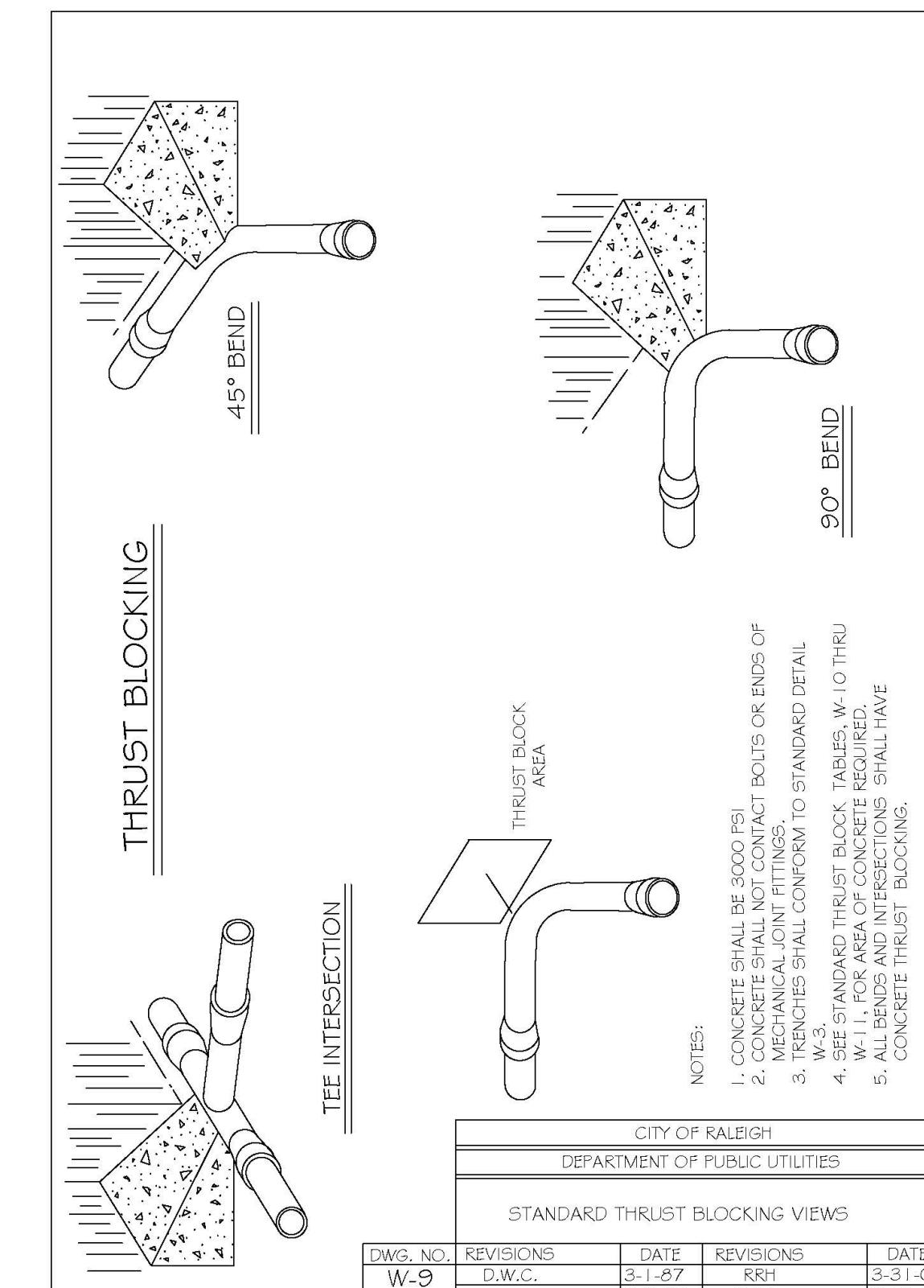
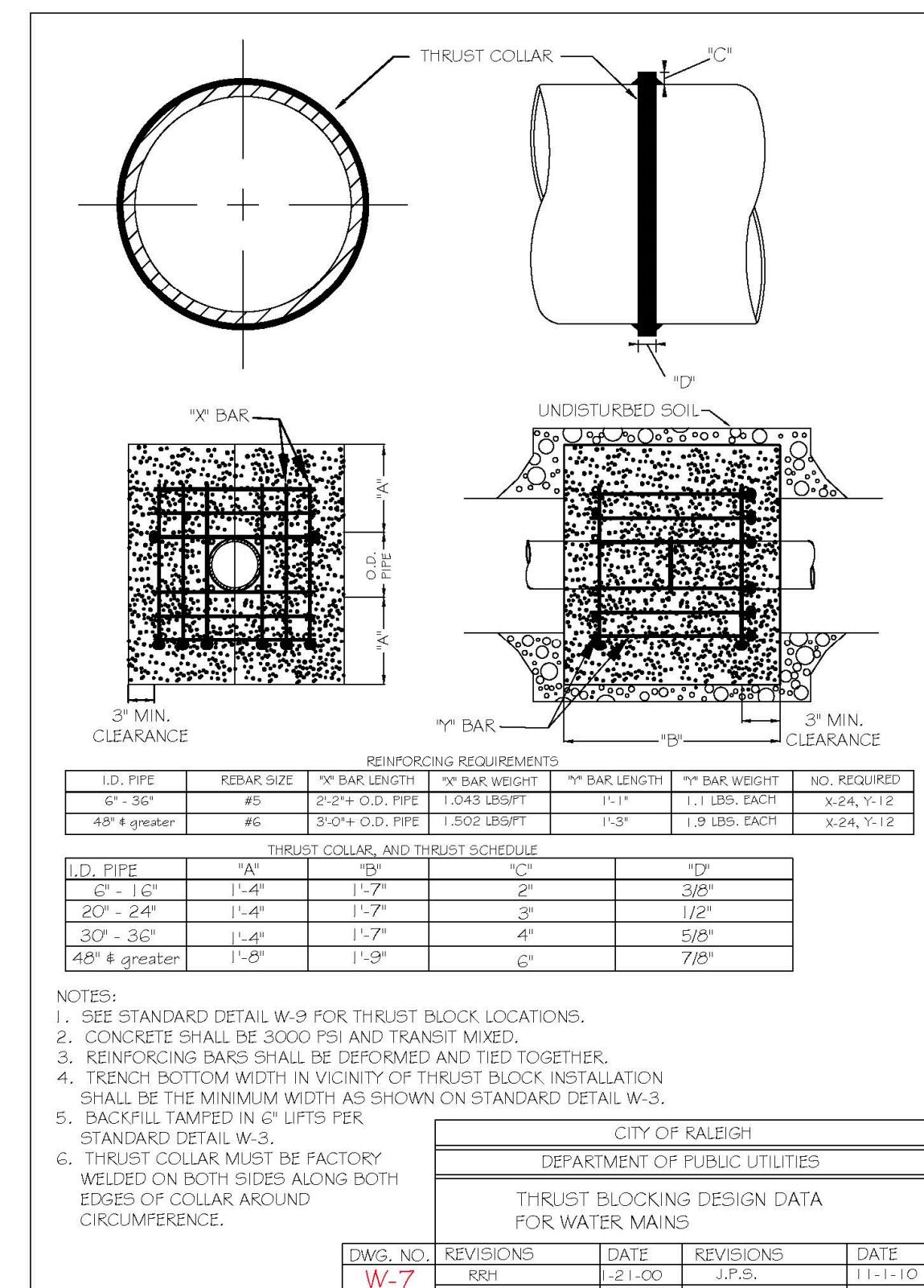
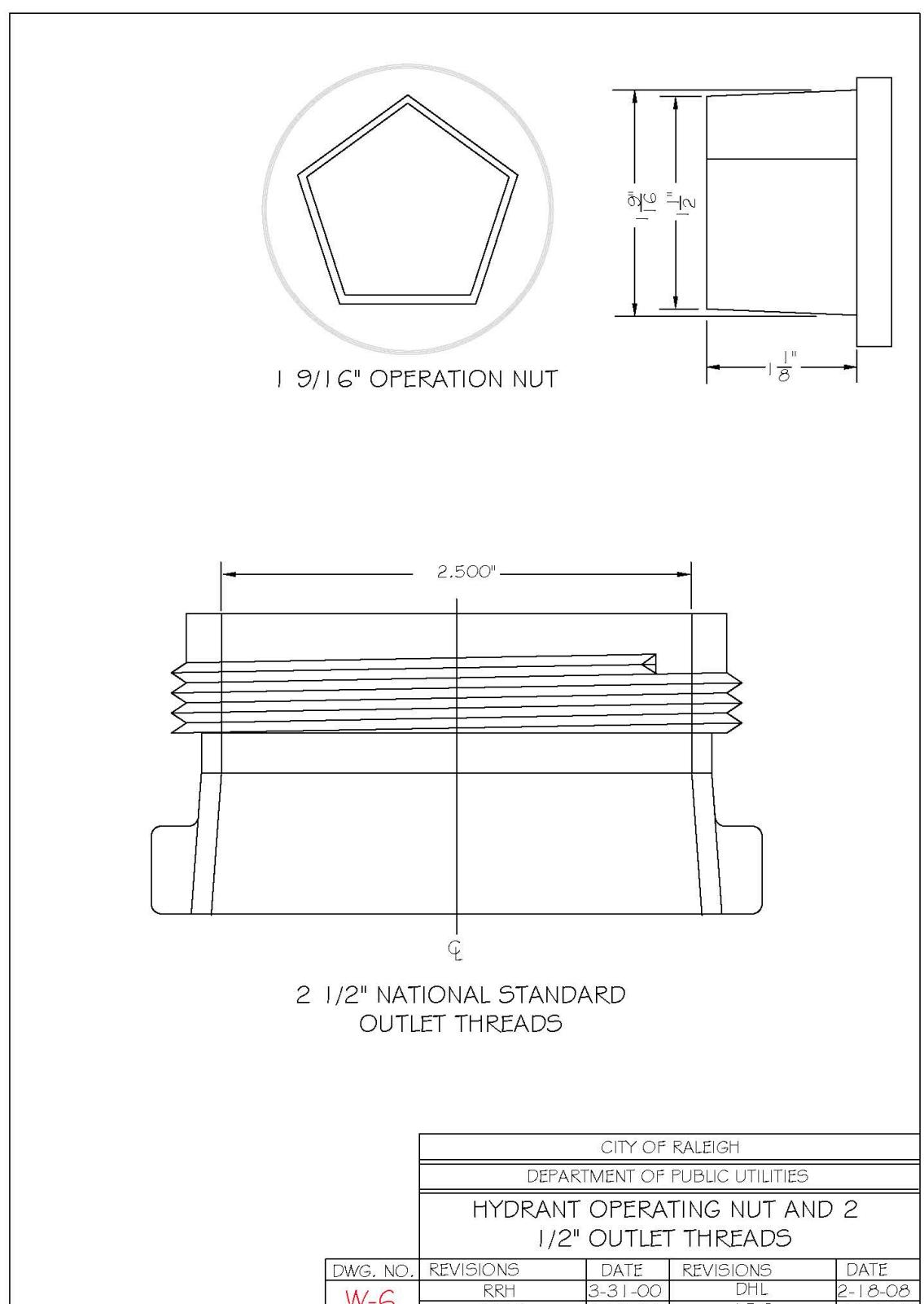
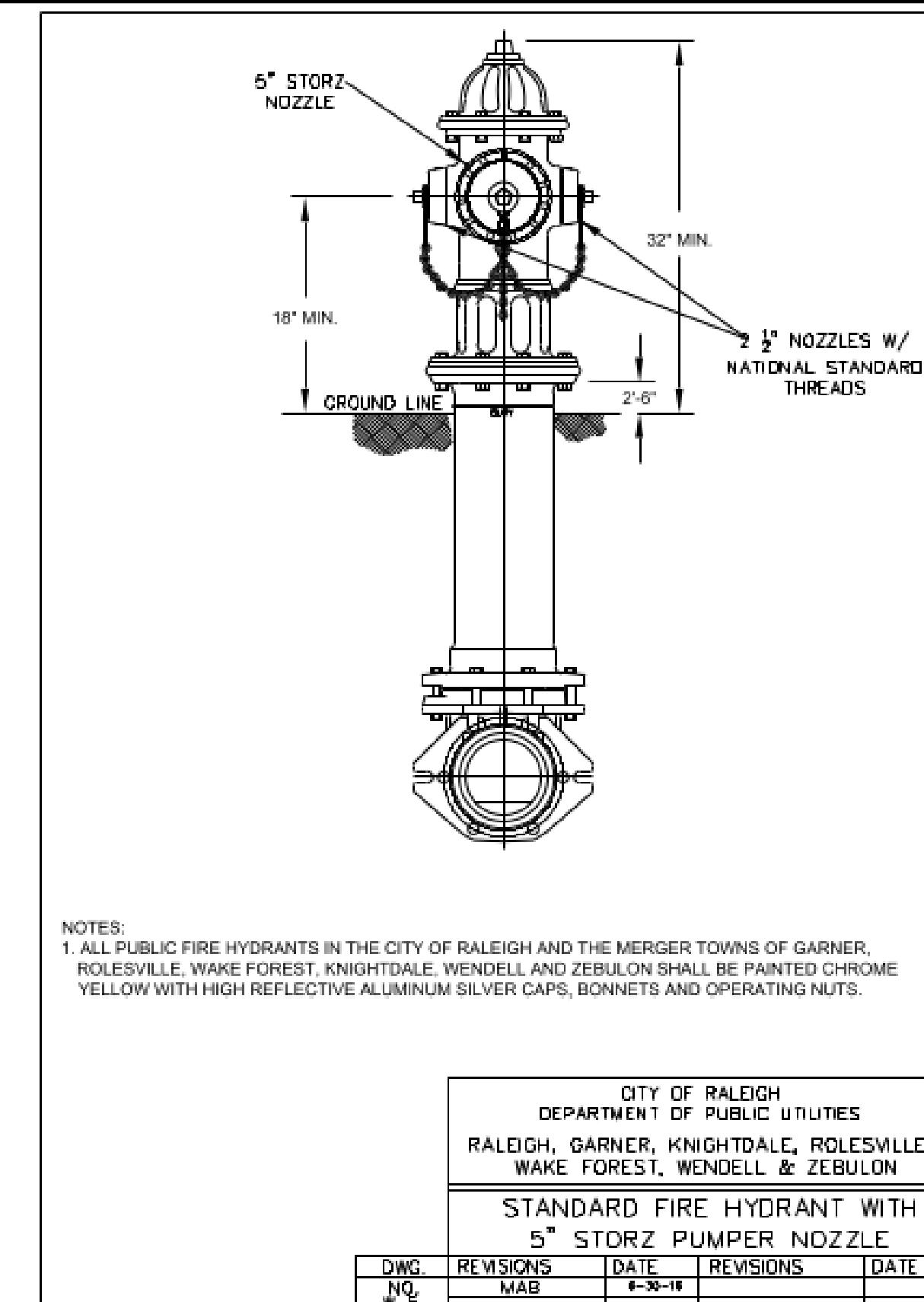
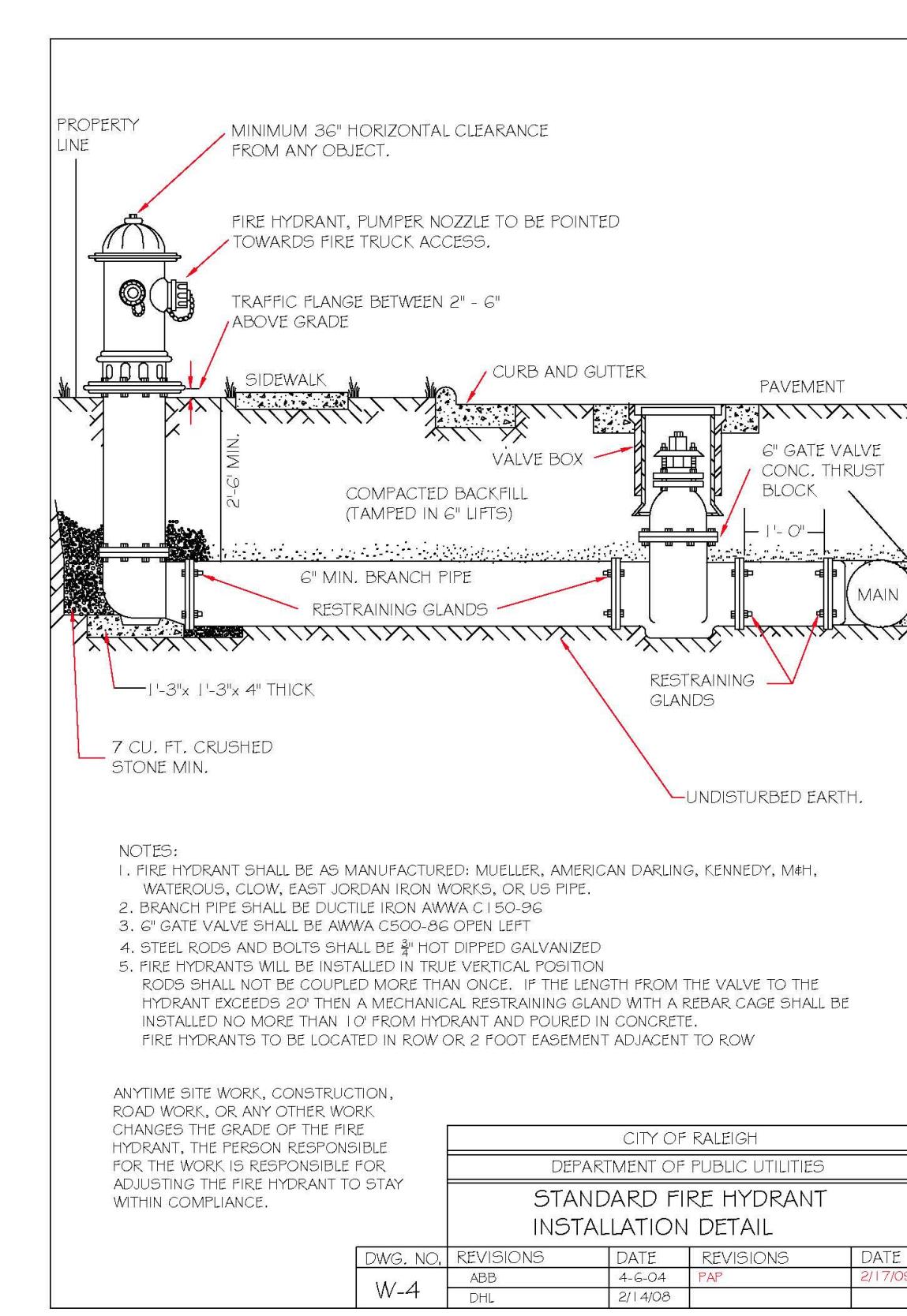
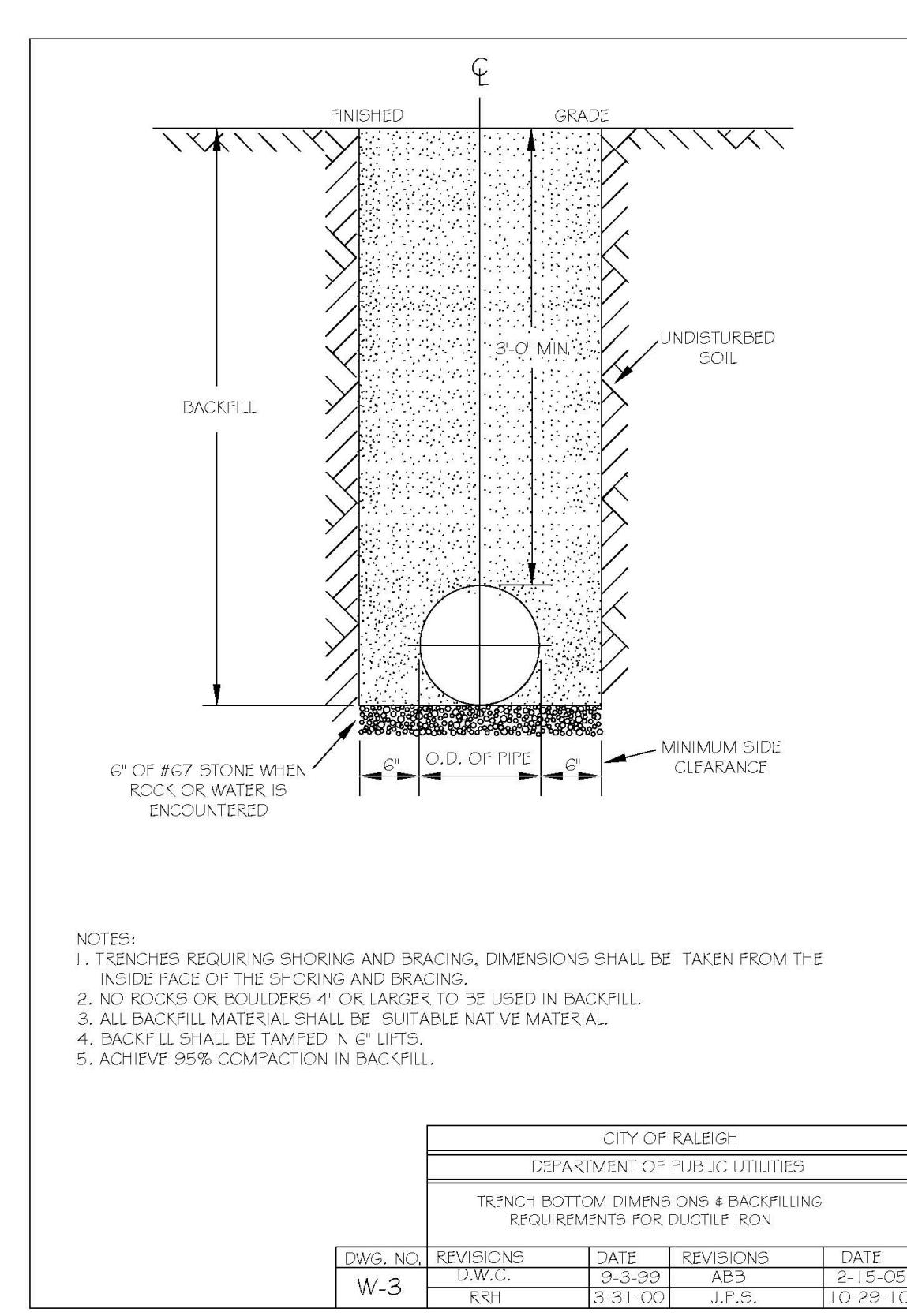
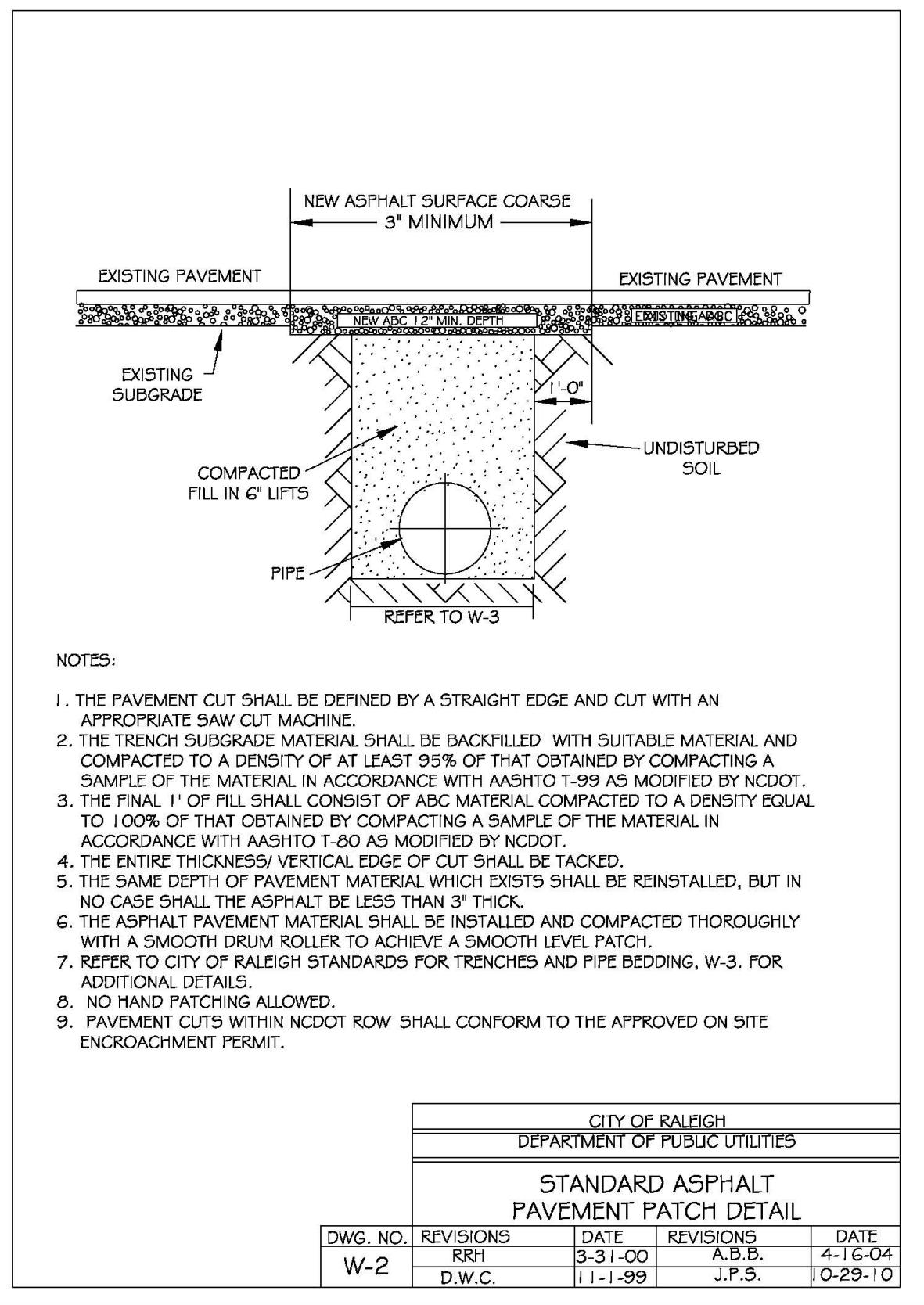
ALL CONSTRUCTION SHALL BE IN
ACCORDANCE WITH TOWN OF
ZEBULON STANDARDS AND
SPECIFICATIONS

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

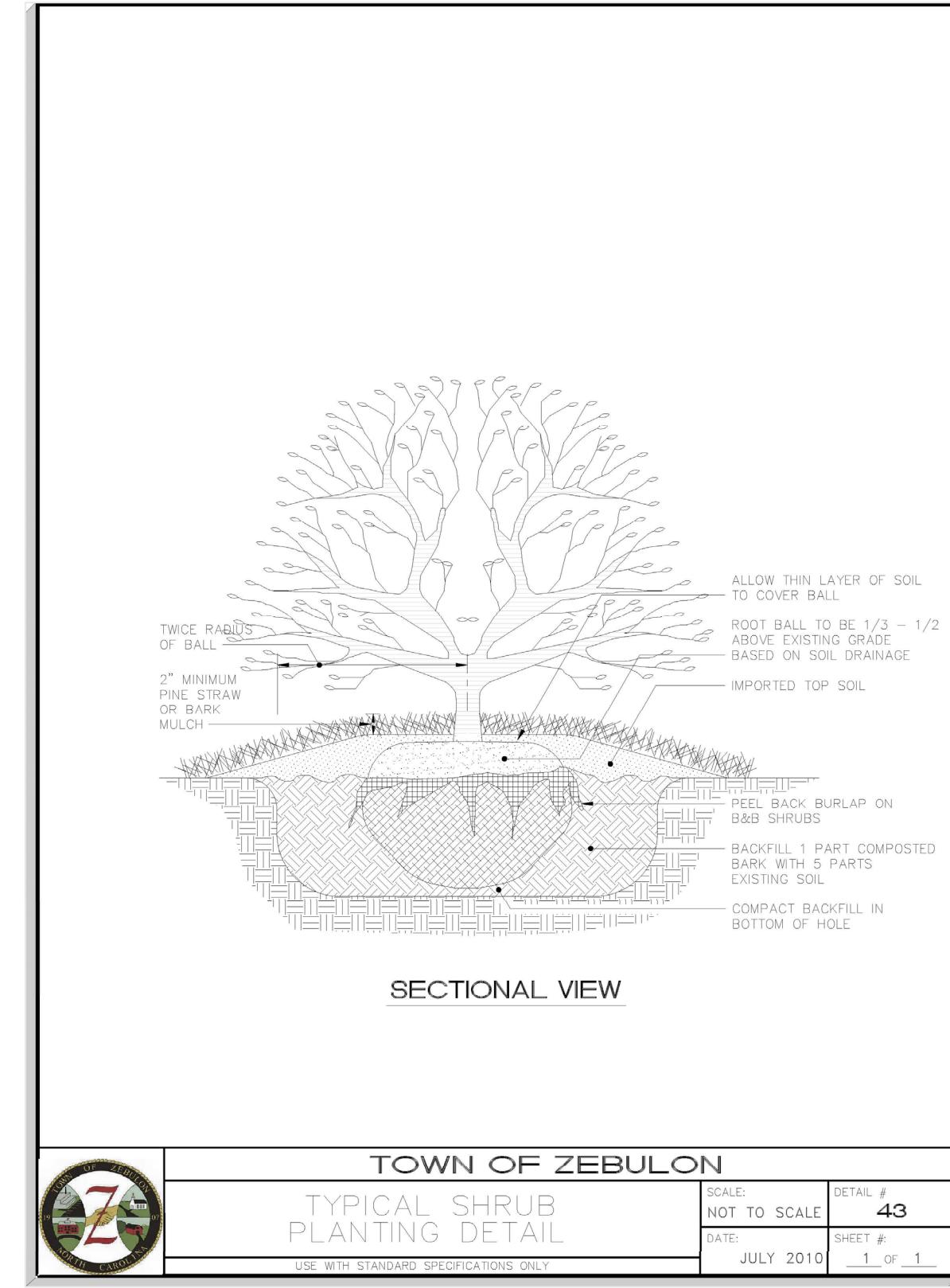
The Nau Company
Consulting Civil Engineers
PO Box 810 Rolesville, NC 27571
919-435-6395
NCBELS License P-0751

OWNER/DEVELOPER:
MERIDIAN PROPERTIES GROUP, LLC
4030 WAKE FOREST ROAD, SUITE 100
RALEIGH, NC 27609
919-521-4648



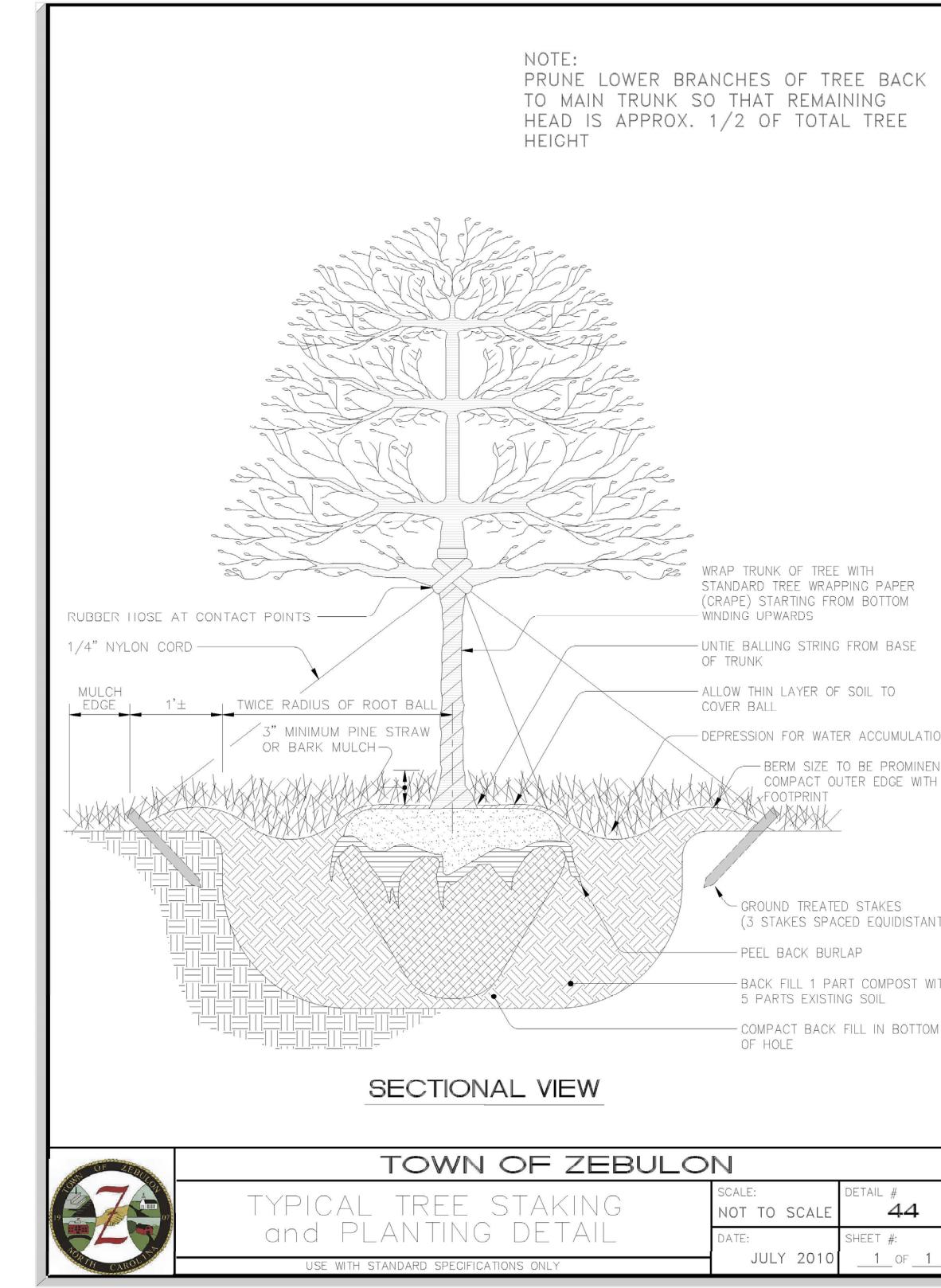


401 GANNON AVENUE SITE PLAN AND CONSTRUCTION DRAWINGS													
ZEBULON, NC													
WATER DETAILS													
<p>OWNER/DEVELOPER: MERIDIAN PROPERTIES GROUP, LLC 4030 WAKE FOREST ROAD, SUITE 100 RALEIGH, NC 27609 919-521-4648</p> <p>REVISIONS: 1 2023-07-10 (DATE UPDATES AND REVISIONS PER TOWN COMMENTS)</p>													
<p>CITY OF RALEIGH DEPARTMENT OF PUBLIC UTILITIES RALPH, GARNER, KNIGHTDALE, ROLESVILLE, WAKE FOREST, WENDELL & ZEBULON</p> <p>STANDARD FIRE HYDRANT WITH 5" STORZ PUMPER NOZZLE</p> <table border="1"> <tr> <th>DWG. NO.</th> <th>REVISIONS</th> <th>DATE</th> <th>REVISIONS</th> <th>DATE</th> </tr> <tr> <td>W-5</td> <td>MAB</td> <td>8-30-18</td> <td></td> <td></td> </tr> </table>				DWG. NO.	REVISIONS	DATE	REVISIONS	DATE	W-5	MAB	8-30-18		
DWG. NO.	REVISIONS	DATE	REVISIONS	DATE									
W-5	MAB	8-30-18											
<p>REVISIONS: 1 2023-07-10 (DATE UPDATES AND REVISIONS PER TOWN COMMENTS)</p>													
<p>CITY OF RALEIGH DEPARTMENT OF PUBLIC UTILITIES ZEBULON, NC</p> <p>PROJECT NO.: ---</p> <p>DESIGN BY: JPE</p> <p>DRAWN BY: JPE</p> <p>SCALE: NTS</p> <p>DATE: 2023-03-01</p> <p>SHEET NO: D3.1</p> <p>PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION</p>													



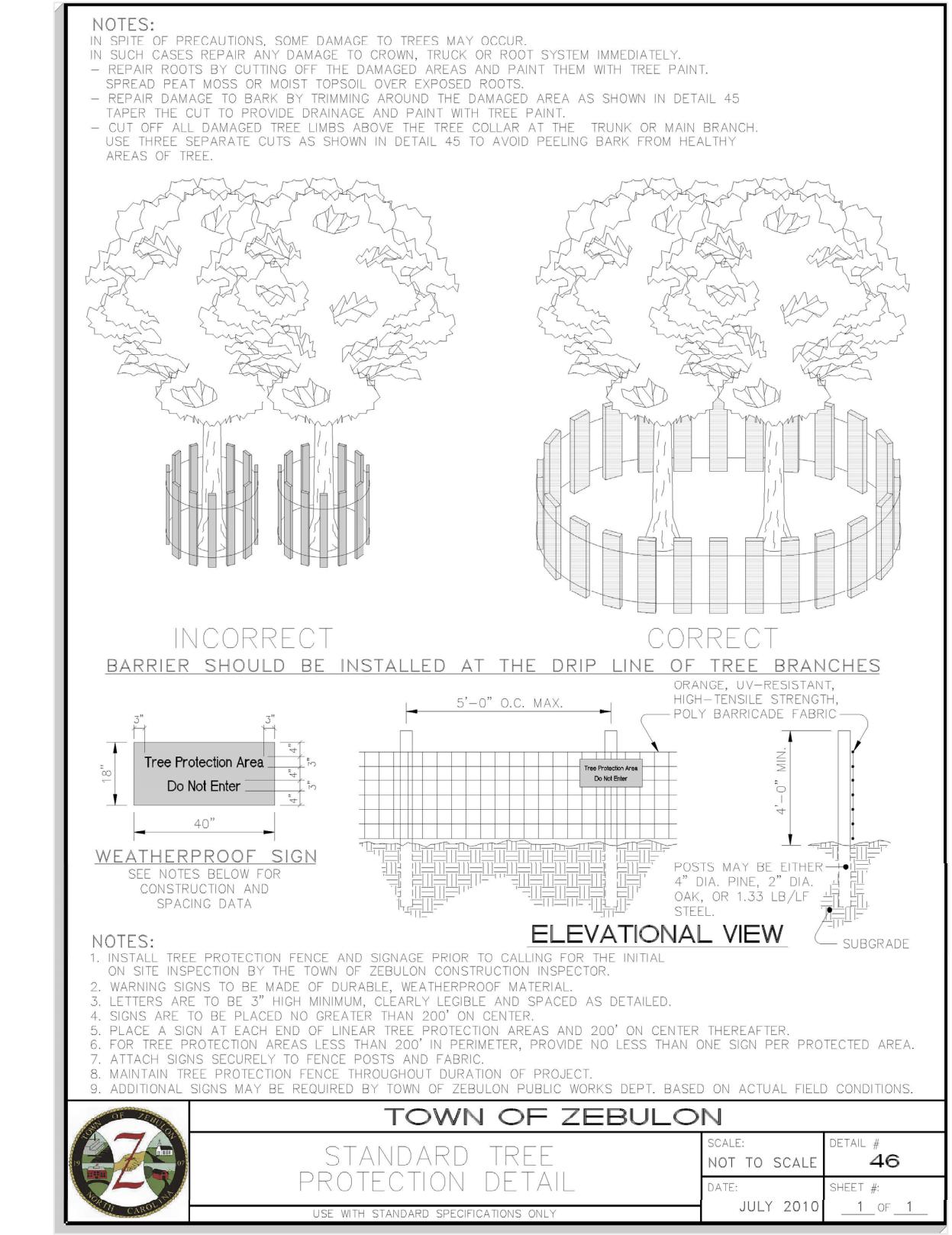
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	TYPICAL SHRUB PLANTING DETAIL	DATE: JULY 2010	SHEET # 1 OF 1

USE WITH STANDARD SPECIFICATIONS ONLY



	TOWN OF ZEBULON	SCALE: NOT TO SCALE	DETAIL # 44
	TYPICAL TREE STAKING and PLANTING DETAIL	DATE: JULY 2010	SHEET # 1 OF 1

USE WITH STANDARD SPECIFICATIONS ONLY



	TOWN OF ZEBULON	SCALE: NOT TO SCALE	DETAIL # 46
	STANDARD TREE PROTECTION DETAIL	DATE: JULY 2010	SHEET # 1 OF 1

USE WITH STANDARD SPECIFICATIONS ONLY

