

MCADAMS

The John R. McAdams Company, Inc.
2905 Meridian Parkway
Durham, NC 27713

phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187

www.mcadamsco.com

CONTACT

MIKE SANCHEZ
sanchez@mcadamsco.com
PHONE: 919. 361. 5000

CLIENT

ASHTON RALEIGH RESIDENTIAL, LLC.
5711 SIX FORKS ROAD, SUITE 300
RALEIGH, NORTH CAROLINA 27609
PHONE: 919. 232. 3695
CONTACT: BOB MISHLER



ASHTON WOODS.
PROJECT DIRECTORY

HARRIS CREEK INTERCEPTOR IMPROVEMENTS

ROLESVILLE, NORTH CAROLINA

CONSTRUCTION DRAWINGS

PROJECT NUMBER: AWH-21002

DATE: NOVEMBER 9, 2021

SHEET INDEX

| NO. | DESCRIPTION |
|-------|--|
| CO.00 | PROJECT NOTES |
| C5.00 | PLAN AND PROFILE - HARRIS CREEK INTERCEPTOR STA. 34+00.00 THRU STA. 43+00.00 |
| C5.01 | PLAN AND PROFILE - HARRIS CREEK INTERCEPTOR STA. 43+00.00 THRU STA. 52+00.00 |
| C5.02 | PLAN AND PROFILE - HARRIS CREEK INTERCEPTOR STA. 52+00.00 THRU STA. 61+00.00 |
| C5.03 | PLAN AND PROFILE - HARRIS CREEK INTERCEPTOR STA. 61+00.00 THRU STA. 64+00.00 |
| CB.01 | SANITARY SEWER DETAILS |
| CB.02 | EROSION CONTROL DETAILS |

SURVEY BY:

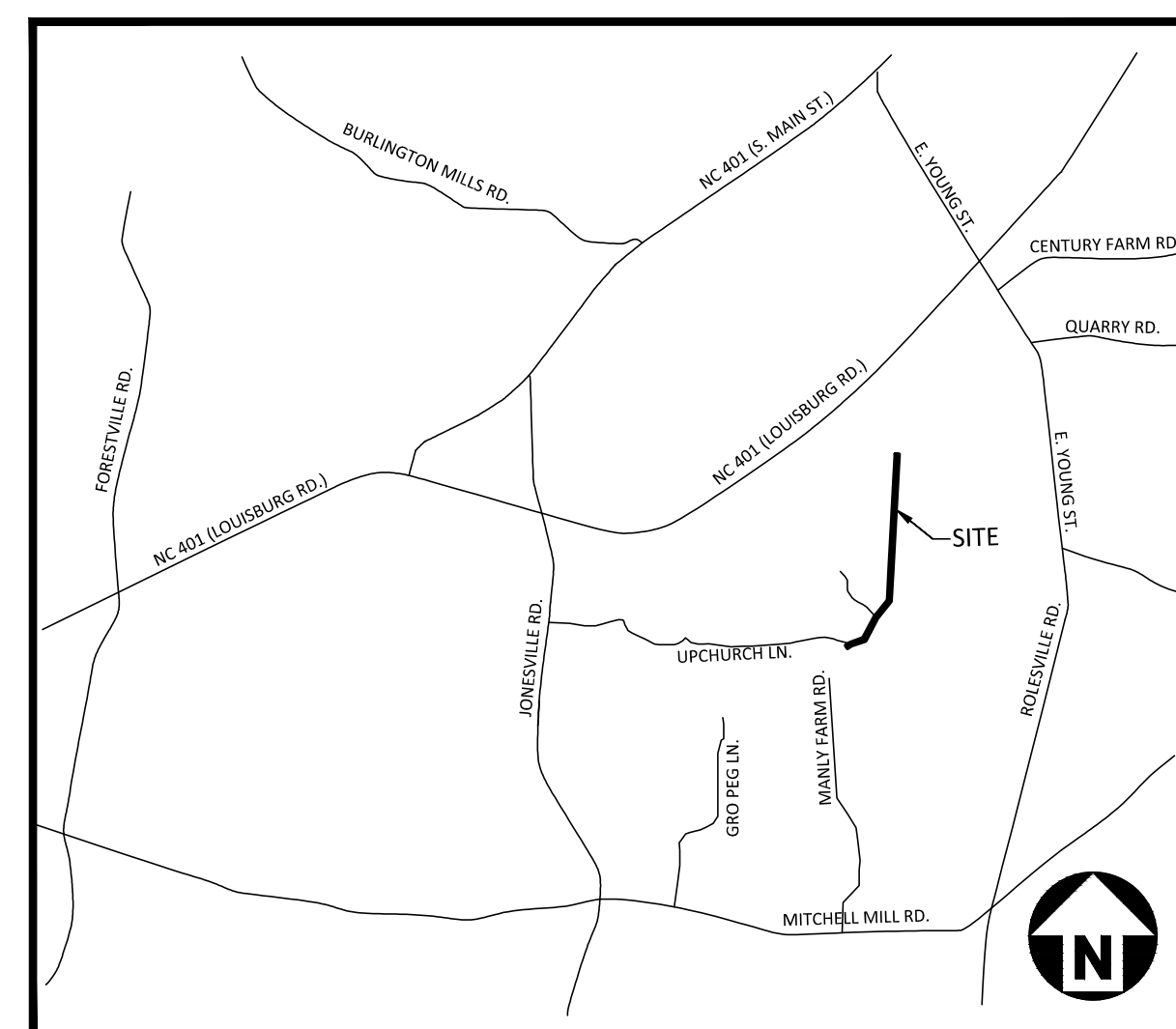
BATEMAN CIVIL SURVEY COMPANY
2424 RELIANCE AVENUE, APEX, NC 27539

TOPOGRAPHIC DECEMBER 22, 2019
ALTA SURVEY DECEMBER 12, 2019

STEVEN P CARSON, PLS
NC LICENSE # 4752
919-577-1081

**PUBLIC UTILITY IMPROVEMENT QUANTITIES
OF SEWER MAIN & MANHOLES**

| SIZE | LENGTH |
|-------------------------|----------|
| 18" PVC (LF) | 418 LF |
| 24" PVC (LF) | 3,469 LF |
| NUMBER OF MANHOLES = 13 | |



VICINITY MAP
N.T.S.

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-4972

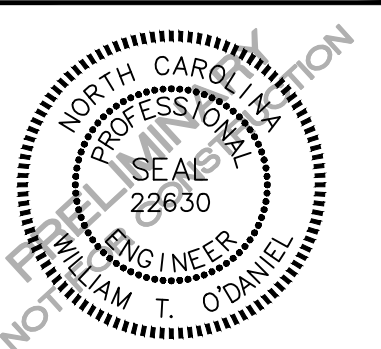
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City of Raleigh Public Utilities Department Permit # _____

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION

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City of Raleigh Development Approval _____
City of Raleigh Review Officer _____

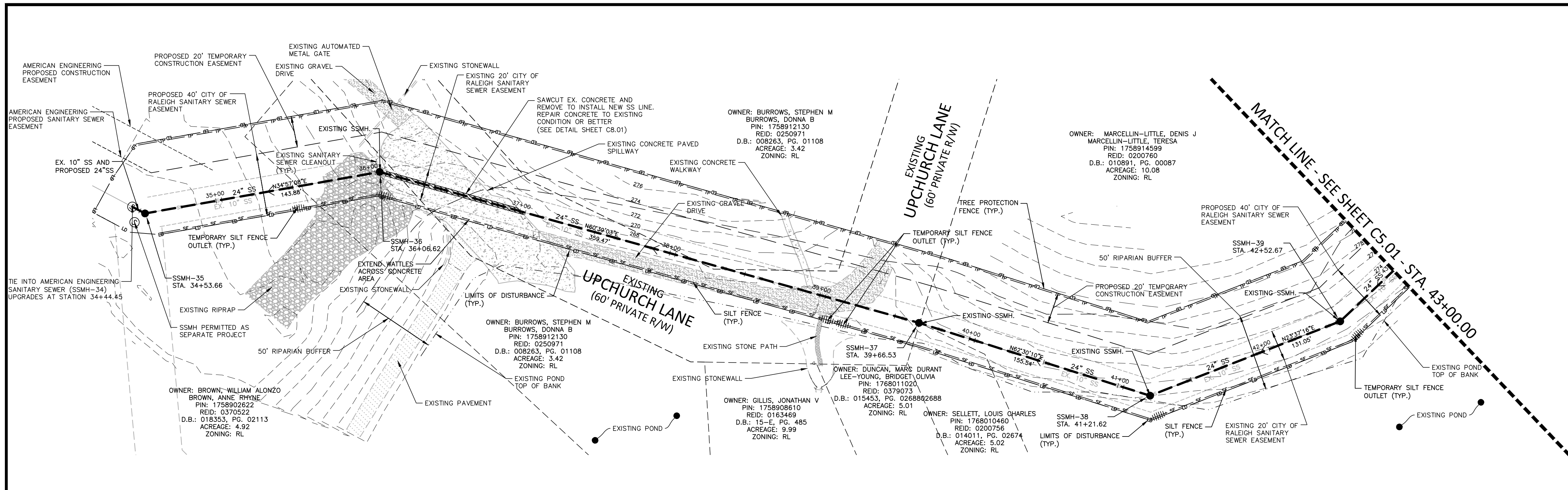


REVISIONS

| NO. | DATE | DESCRIPTION |
|-----|------------|-------------------------------|
| 1 | 03.03.2022 | RESPOND TO MUNICIPAL COMMENTS |

**CONSTRUCTION
DRAWINGS FOR:**

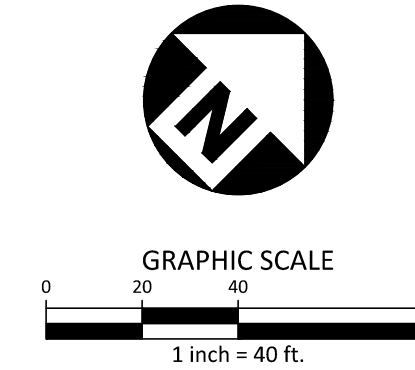
HARRIS CREEK INTERCEPTOR
IMPROVEMENTS
ROLESVILLE, NORTH CAROLINA
PROJECT NUMBER: AWH-21002



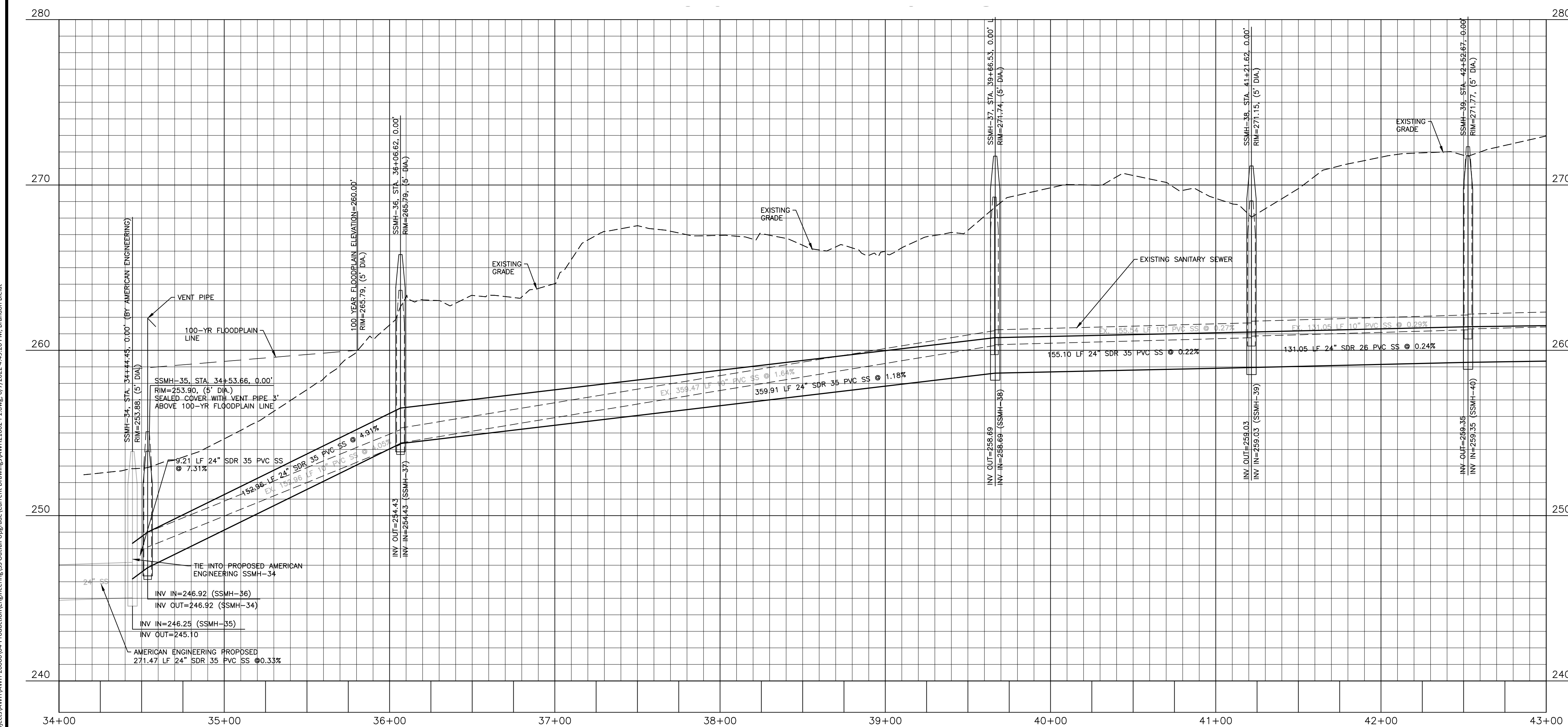
There do not appear to be any notes or traffic control plans related to this plan set. Please include notes or plan sheets to maintain access to the existing drives or clarify if the road will be closed during construction. It appears that not all accesses have a second option so I would image the developer/contractor will need to coordinate directly with the residents during construction to maintain access to some degree.

There appears to be silt fence and tree protection going through driveways and hard surface, which I would image would be a field adjustment but something that still affects access for residents.

Please clarify intent for traffic control during this project since there are several properties that will be affected.



HARRIS CREEK INTERCEPTOR



| BYPASS PUMPING TABLE | | |
|----------------------|-------------------|-------------|
| SUCTION MANHOLE | DISCHARGE MANHOLE | QPEAK (GPM) |
| MH40 | MH39 | 177.97 |
| MH39 | MH38 | 177.97 |
| MH38 | MH37 | 177.97 |
| MH37 | MH36 | 177.97 |
| MH36 | MH34 | 177.97 |

SITE PERMITTING APPROVAL

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City of Raleigh Development Approval _____
City of Raleigh Review Officer _____

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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REVISIONS

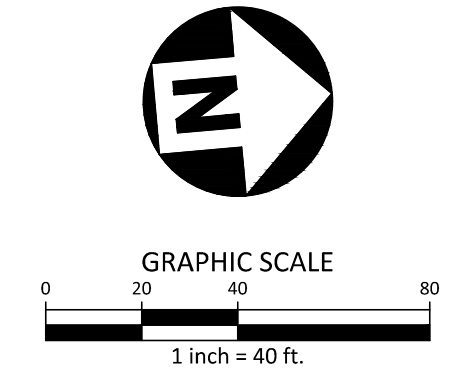
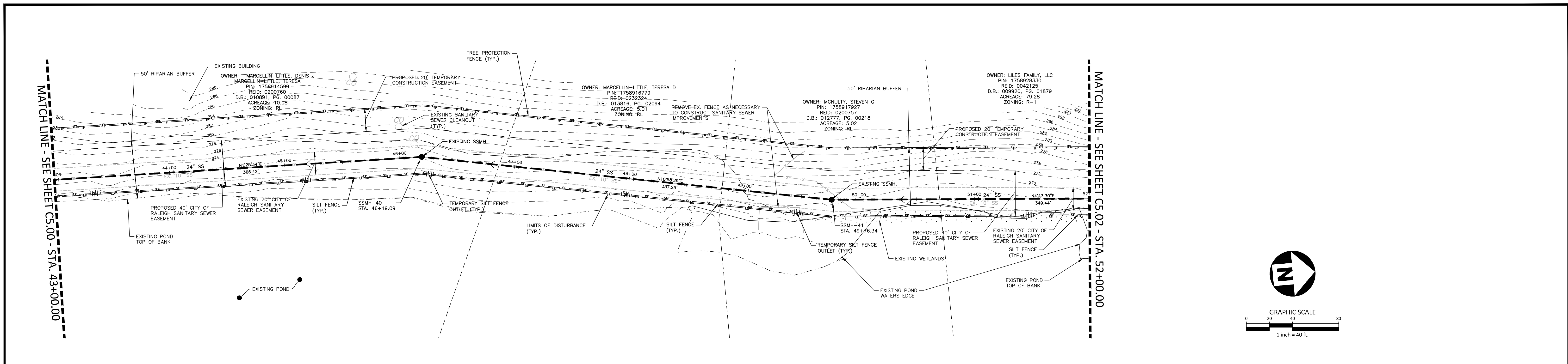
| NO. | DATE | RESPOND TO MUNICIPAL COMMENTS |
|-----|------------|-------------------------------|
| 1 | 03.03.2022 | RESPOND TO MUNICIPAL COMMENTS |



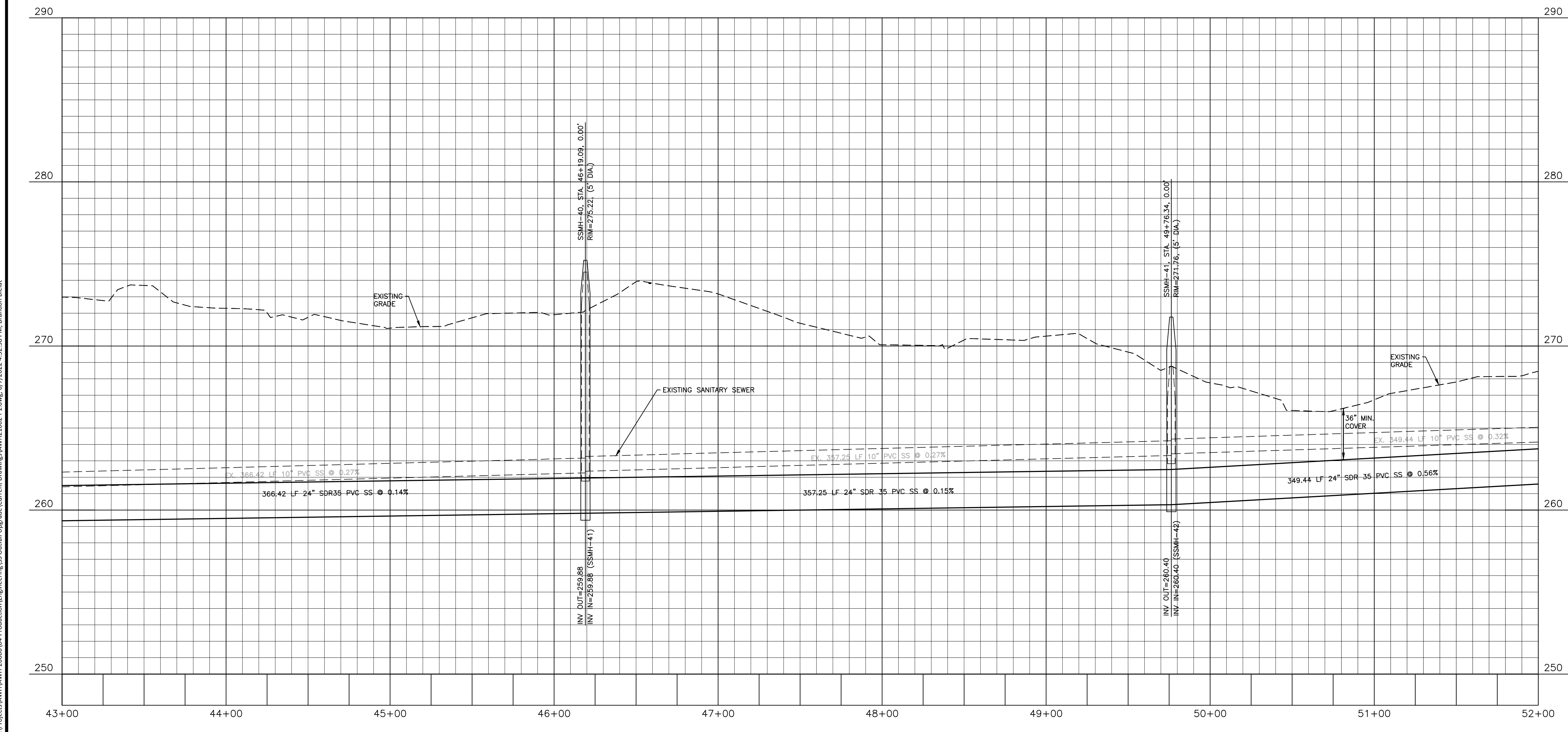
HARRIS CREEK INTERCEPTOR IMPROVEMENTS
CONSTRUCTION DRAWINGS
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,
WAKE COUNTY, NORTH CAROLINA

PLAN INFORMATION
PROJECT NO. AWH21002
FILENAME AWH21002-P1
CHECKED BY WTO
DRAWN BY BB
SCALE 1"=40'/1"=4'
DATE 11.09.2021

PLAN AND PROFILE
HARRIS CREEK INTERCEPTOR
STA. 34+00 THRU STA. 43+00
C5.00



HARRIS CREEK INTERCEPTOR



| BYPASS PUMPING TABLE | | |
|----------------------|-------------------|-------------|
| SUCTION MANHOLE | DISCHARGE MANHOLE | QPEAK (GPM) |
| MH42 | MH41 | 177.97 |
| MH41 | MH40 | 177.97 |
| MH40 | MH39 | 177.97 |

SITE PERMITTING APPROVAL

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 City of Raleigh Review Officer _____

M:\Projects\AWH\20000\04\Production\Engineering\SS\Outfall_Landscape\Current Drawings\AWH21002-P1.dwg, 6/7/2022 4:52:38 PM, Brandon Bickel



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HARRIS CREEK INTERCEPTOR IMPROVEMENTS

CONSTRUCTION DRAWINGS

TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,
 WAKE COUNTY, NORTH CAROLINA

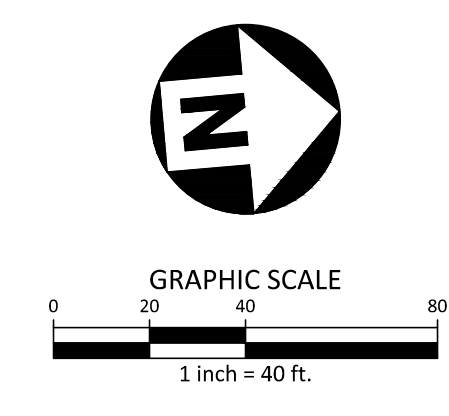
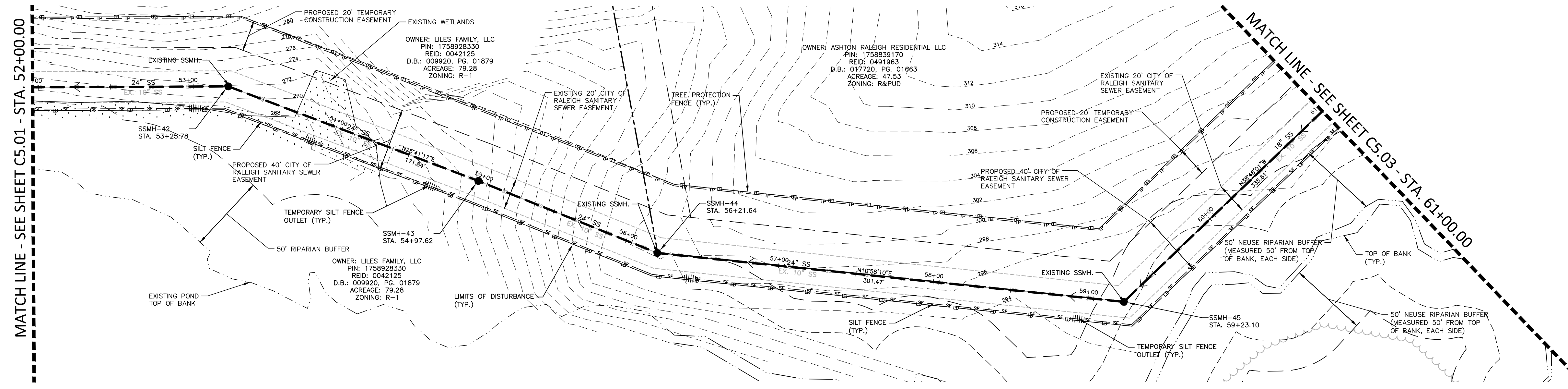
PLAN INFORMATION

PROJECT NO. AWH21002
 FILENAME AWH21002-P1
 CHECKED BY WTO
 DRAWN BY BB
 SCALE 1"=40'/1"=4'
 DATE 11.09.2021

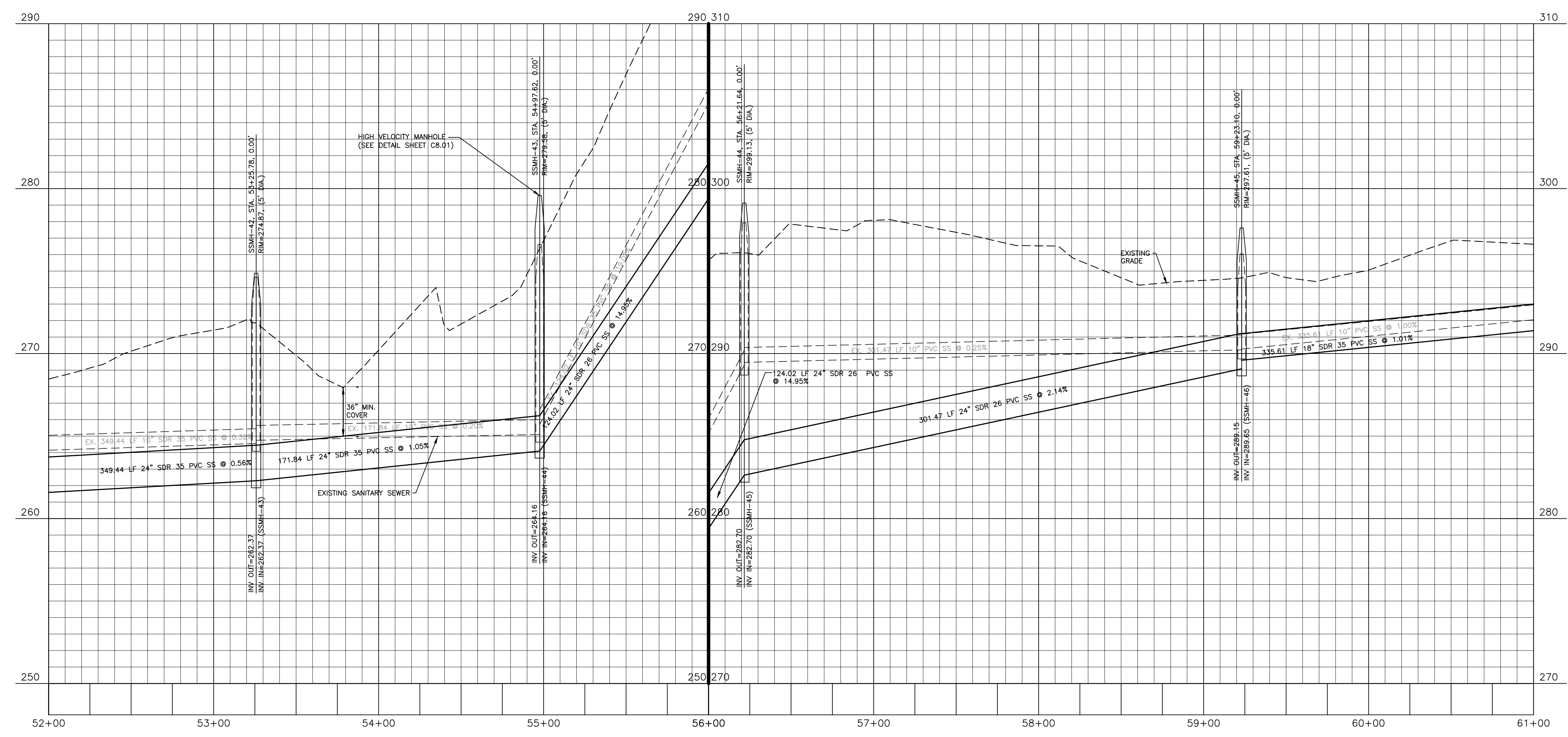
PLAN AND PROFILE
 HARRIS CREEK INTERCEPTOR
 STA. 43+00 THRU STA. 52+00

C5.01

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION



HARRIS CREEK INTERCEPTOR



| BYPASS PUMPING TABLE | | |
|----------------------|-------------------|-------------|
| SUCTION MANHOLE | DISCHARGE MANHOLE | QPEAK (GPM) |
| MH46 | MH45 | 177.97 |
| MH45 | MH44 | 177.97 |
| MH44 | MH43 | 177.97 |
| MH43 | MH42 | 177.97 |
| MH42 | MH41 | 177.97 |

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M:\Projects\AWH\120000\AWH120000\Production\Engineering\SS\Outfall\Upgrade\Current Drawings\AWH12002-P1.dwg, 6/7/2022 4:51:08 PM, Brandon Bickel



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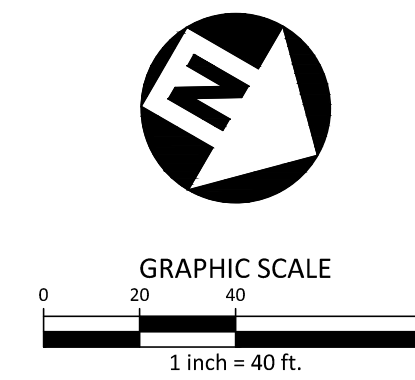
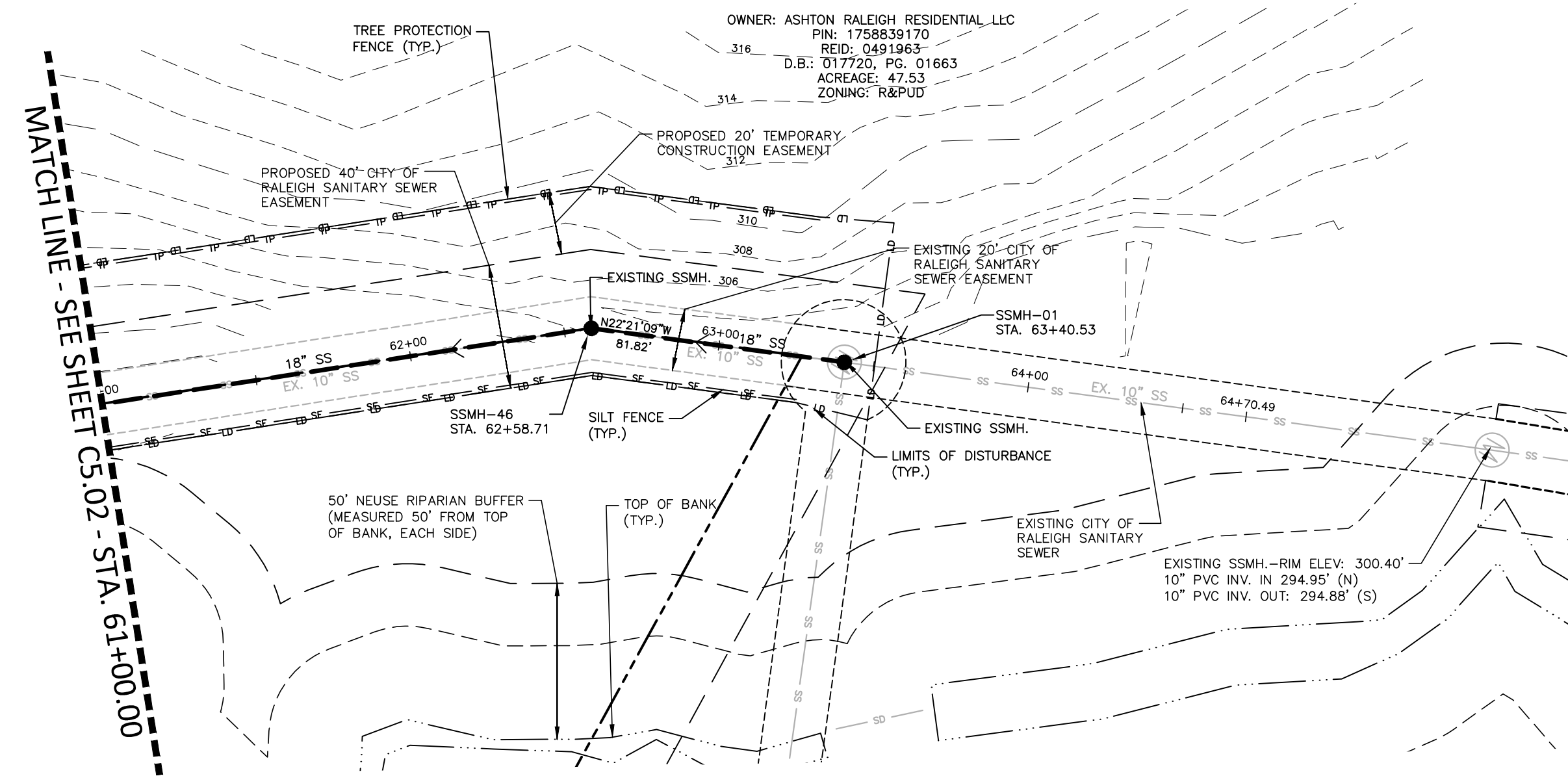
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,
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PLAN INFORMATION

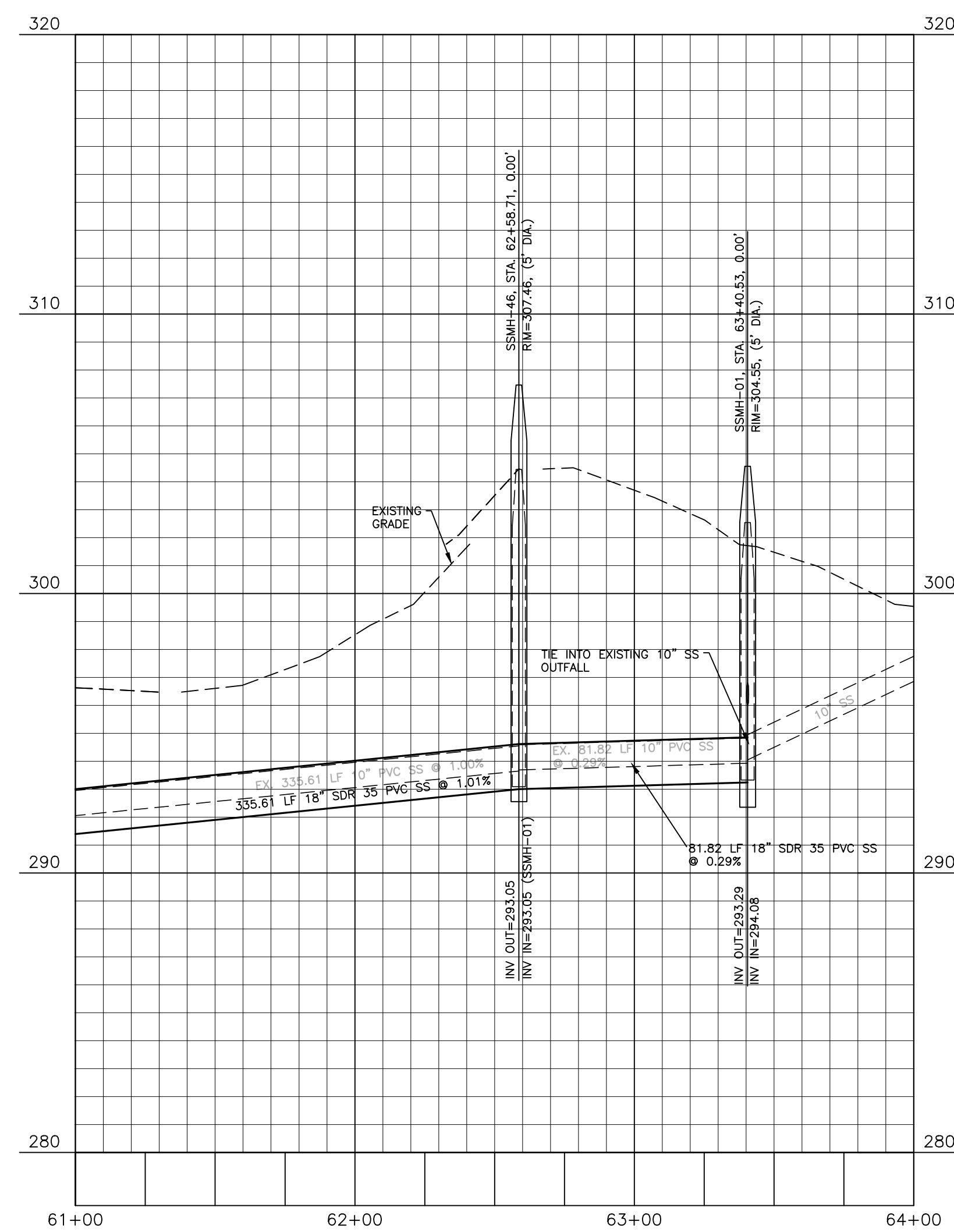
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| PROJECT NO. | AWH21002 |
| FILENAME | AWH21002-P1 |
| CHECKED BY | WTO |
| DRAWN BY | BB |
| SCALE | 1"=40'/1"=4' |
| DATE | 11.09.2021 |

PLAN AND PROFILE
 HARRIS CREEK INTERCEPTOR
 STA. 52+00 THRU STA. 61+00

C5.02



HARRIS CREEK INTERCEPTOR



| BYPASS PUMPING TABLE | | |
|----------------------|-------------------|-------------|
| SUCTION MANHOLE | DISCHARGE MANHOLE | QPEAK (GPM) |
| MH01 | MH46 | 177.97 |
| MH46 | MH45 | 177.97 |

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M:\Projects\AWH\AWH-20000\04-Production\Engineering\SS-Outlet\Upgrade\Current Drawings\AWH1002-P1.dwg, 6/7/2022 4:55:12 PM, Brandon Bicket



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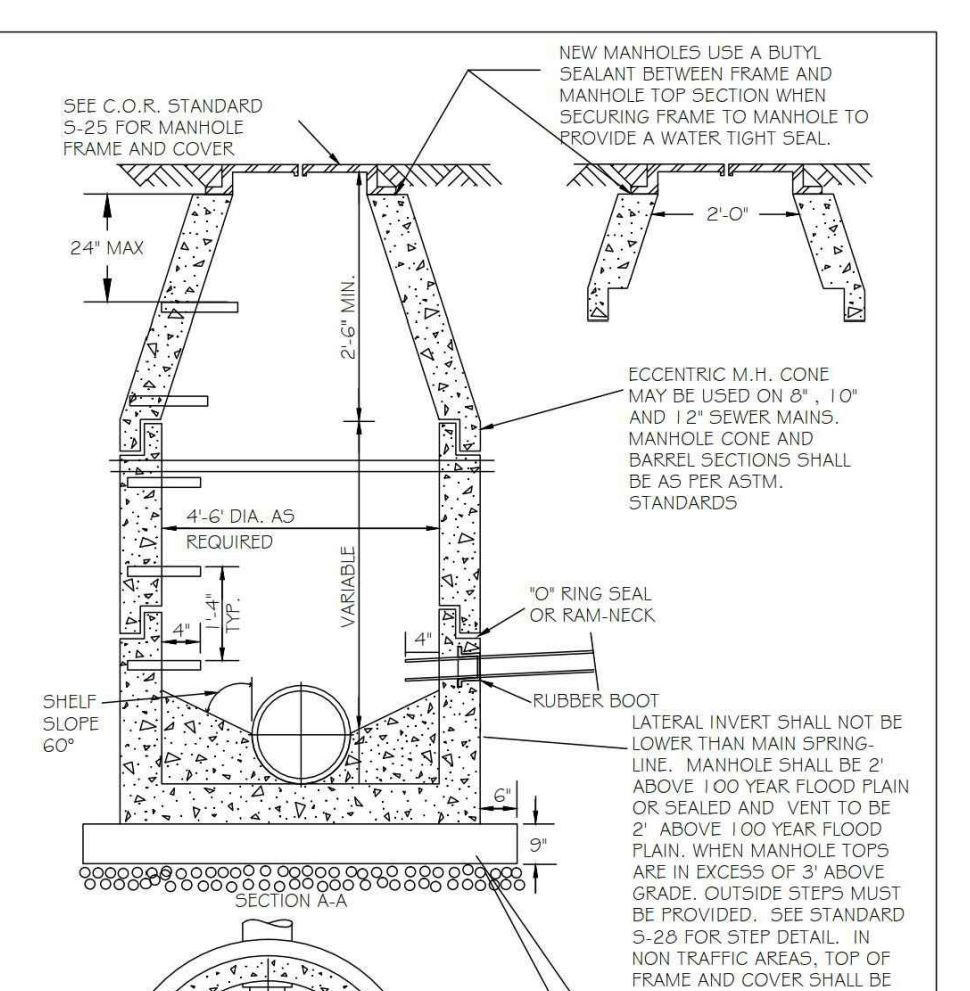
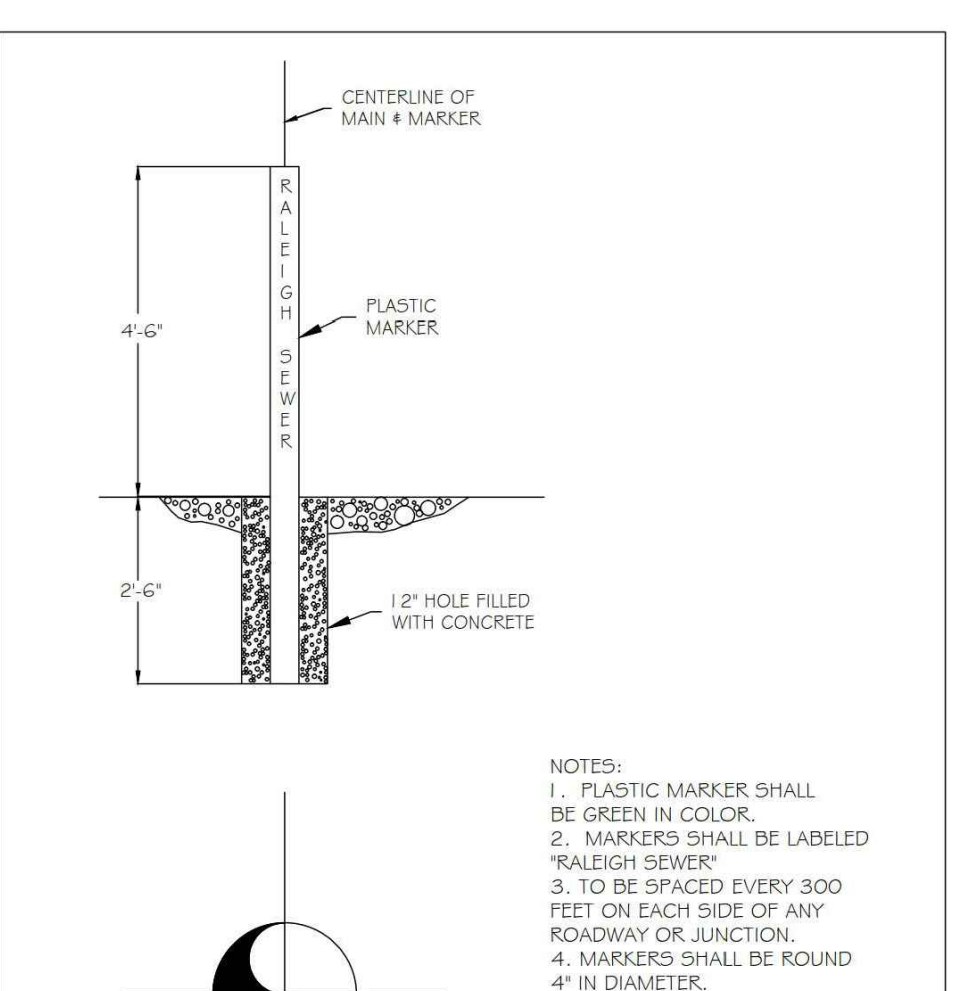
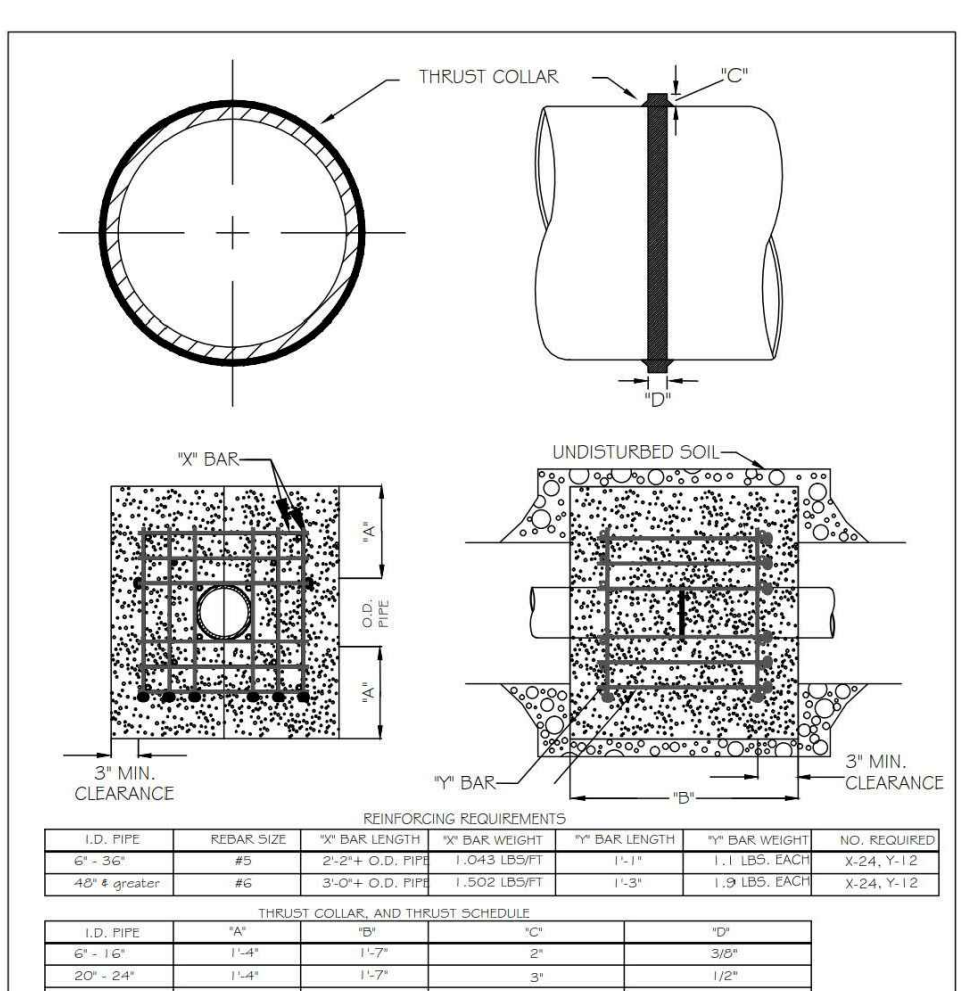
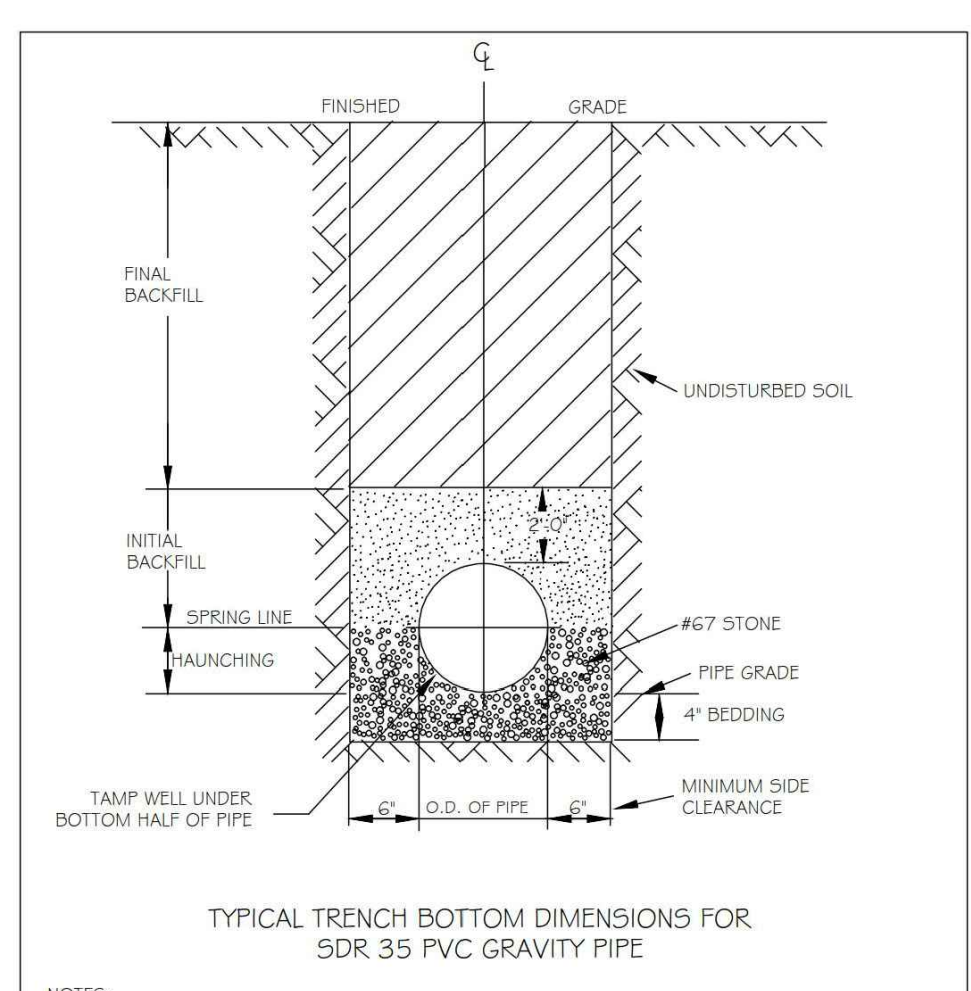
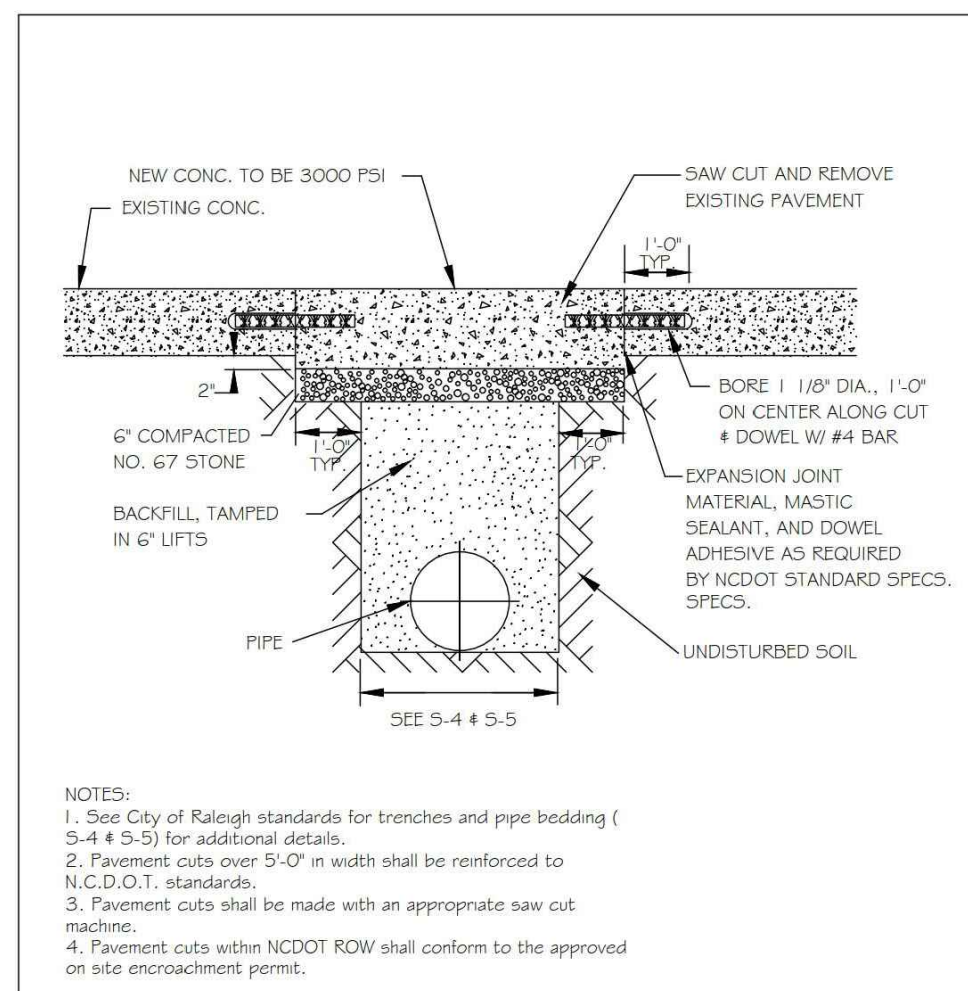
HARRIS CREEK INTERCEPTOR IMPROVEMENTS
 CONSTRUCTION DRAWINGS
 TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,
 WAKE COUNTY, NORTH CAROLINA

PLAN INFORMATION

| | |
|-------------|--------------|
| PROJECT NO. | AWH21002 |
| FILENAME | AWH21002-P1 |
| CHECKED BY | WTO |
| DRAWN BY | BB |
| SCALE | 1"=40'/1"=4' |
| DATE | 11.09.2021 |

PLAN AND PROFILE
 HARRIS CREEK INTERCEPTOR
 STA. 61+00 THRU STA. 64+00

C5.03



CITY OF RALEIGH
DEPARTMENT OF PUBLIC UTILITIES

STANDARD CONCRETE PAVEMENT PATCH DETAIL

| DWG. NO. | REVISIONS | DATE | REVISIONS | DATE |
|----------|---------------|---------|---------------|---------|
| 5-2 | D.W.C. R.R.H. | 6-23-99 | A.B.B. J.P.S. | 4-19-04 |
| | | 3-30-00 | | 0-6-10 |

CITY OF RALEIGH
DEPARTMENT OF PUBLIC UTILITIES

TRENCH BOTTOM DIMENSIONS AND BACKFILL REQUIREMENTS FOR PVC GRAVITY SEWER MAIN

| DWG. NO. | REVISIONS | DATE | REVISIONS | DATE |
|----------|---------------|--------|-----------|---------|
| 5-5 | D.W.C. R.R.H. | 3-1-97 | S-3-99 | 9-3-99 |
| | | 7-2-82 | | 3-30-00 |

CITY OF RALEIGH
DEPARTMENT OF PUBLIC UTILITIES

RESTRAINING COLLAR DESIGN DATA FOR SEWER FORCE MAIN

| DWG. NO. | REVISIONS | DATE | REVISIONS | DATE |
|----------|---------------|---------|-----------|---------|
| 5-6 | D.W.C. R.R.H. | 1-21-00 | D.H.L. | 6-18-05 |

CITY OF RALEIGH
DEPARTMENT OF PUBLIC UTILITIES

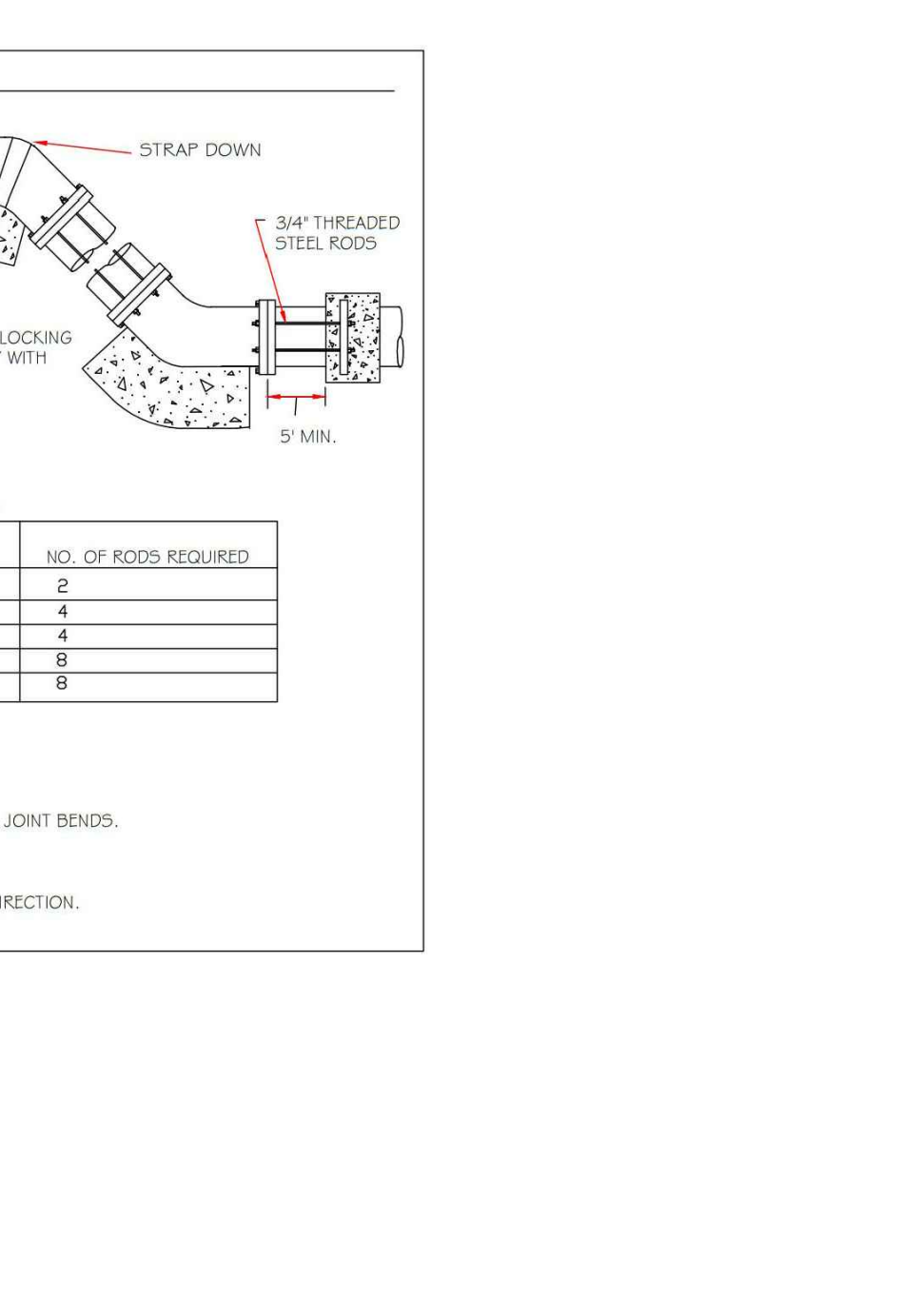
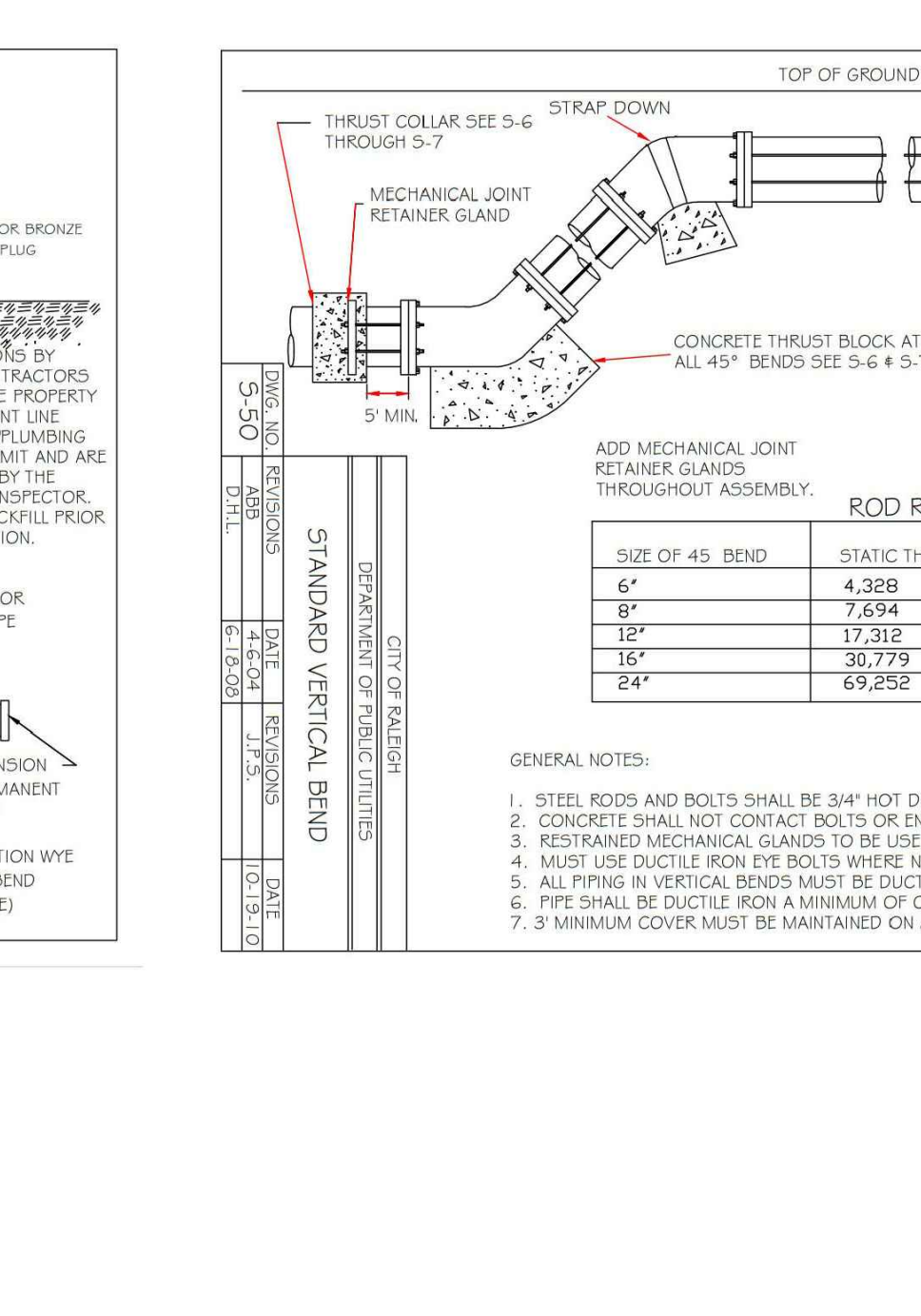
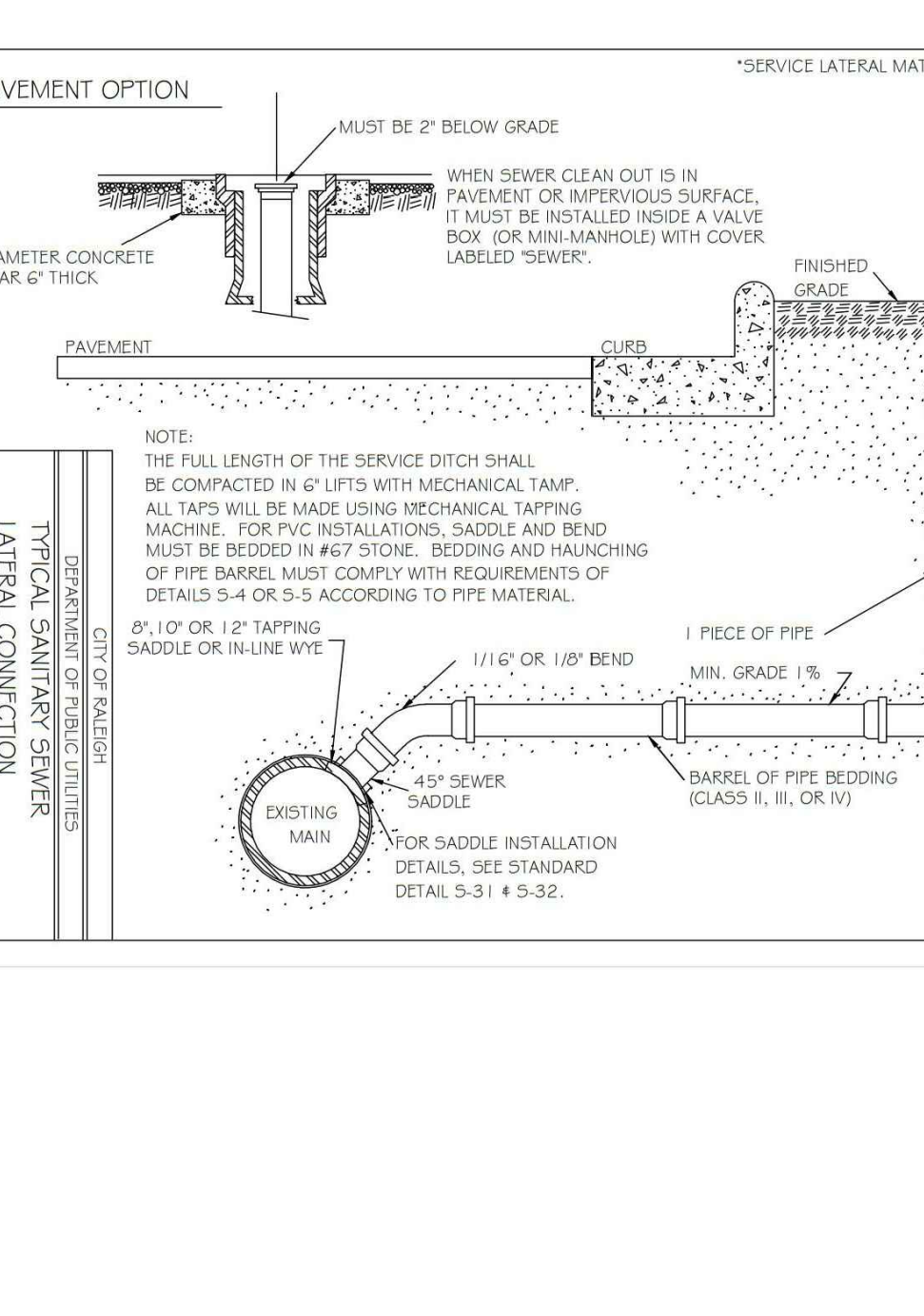
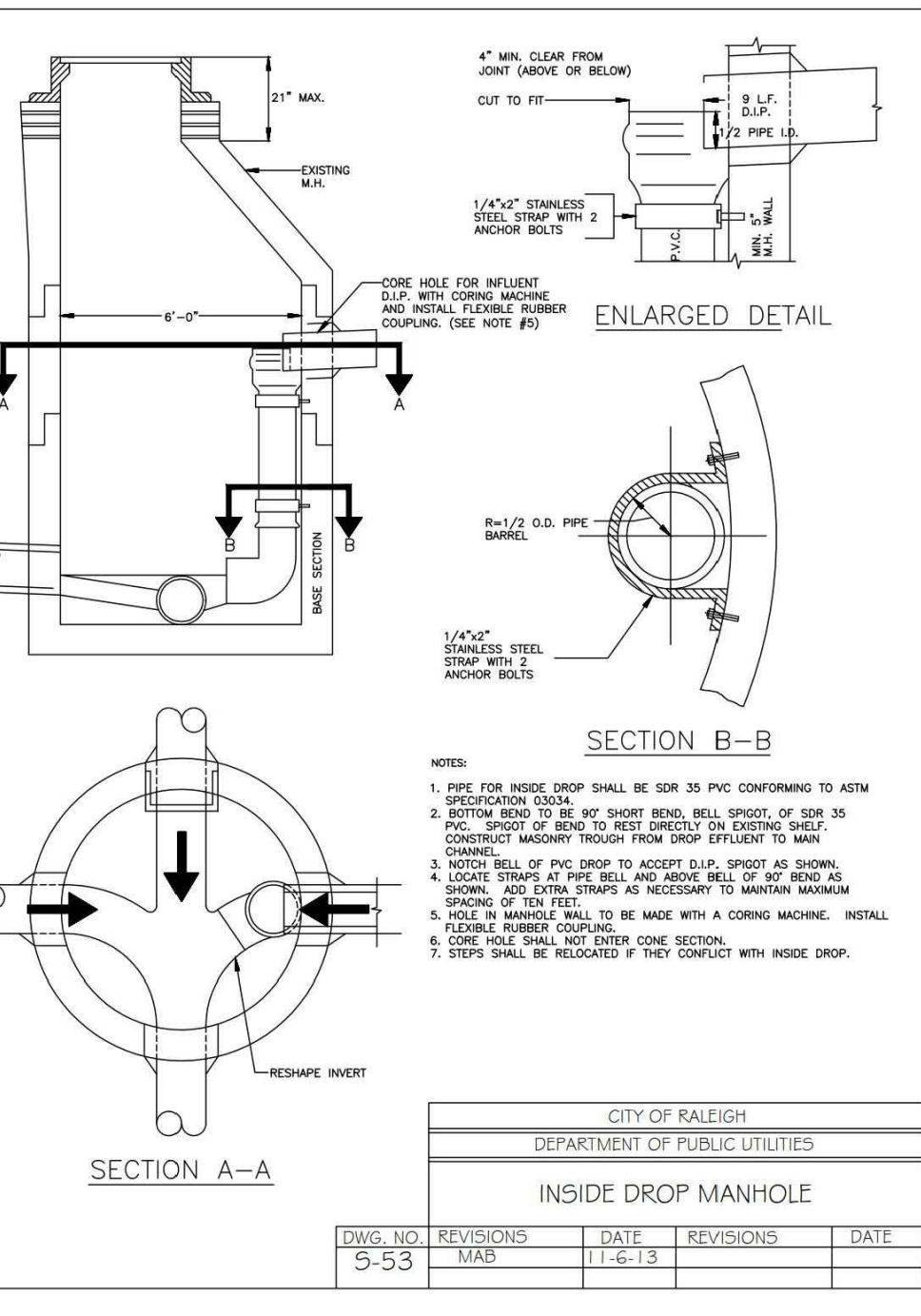
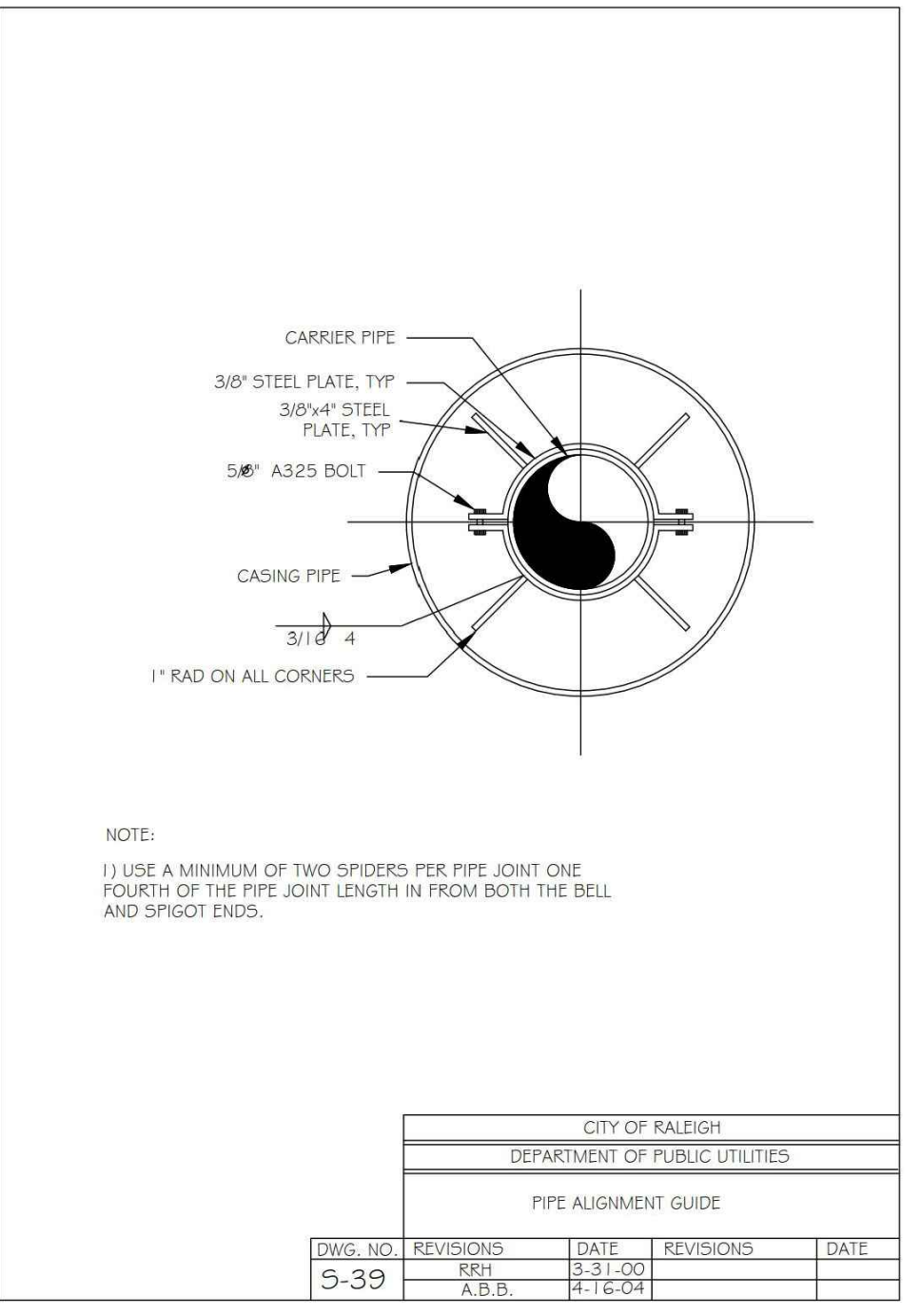
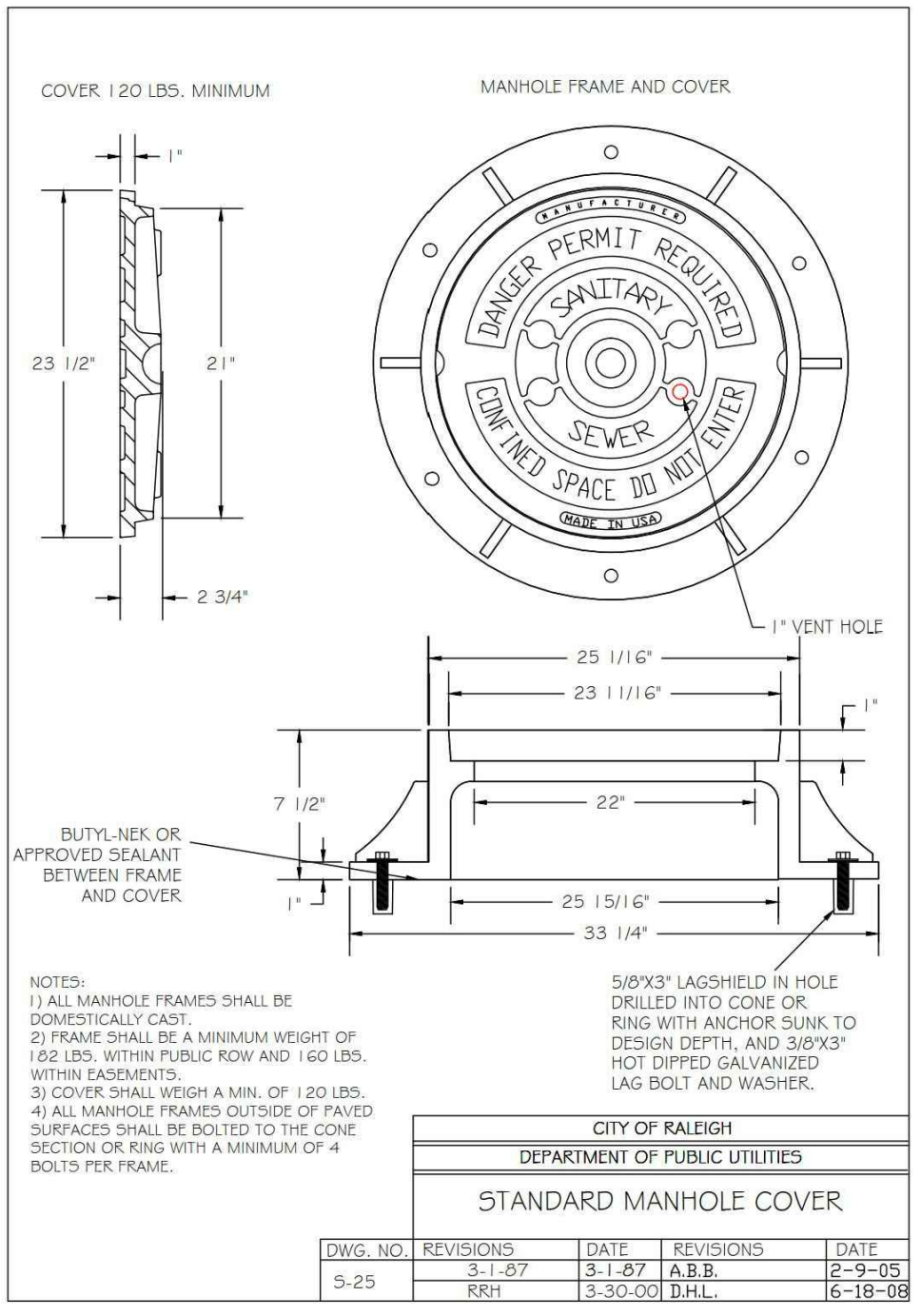
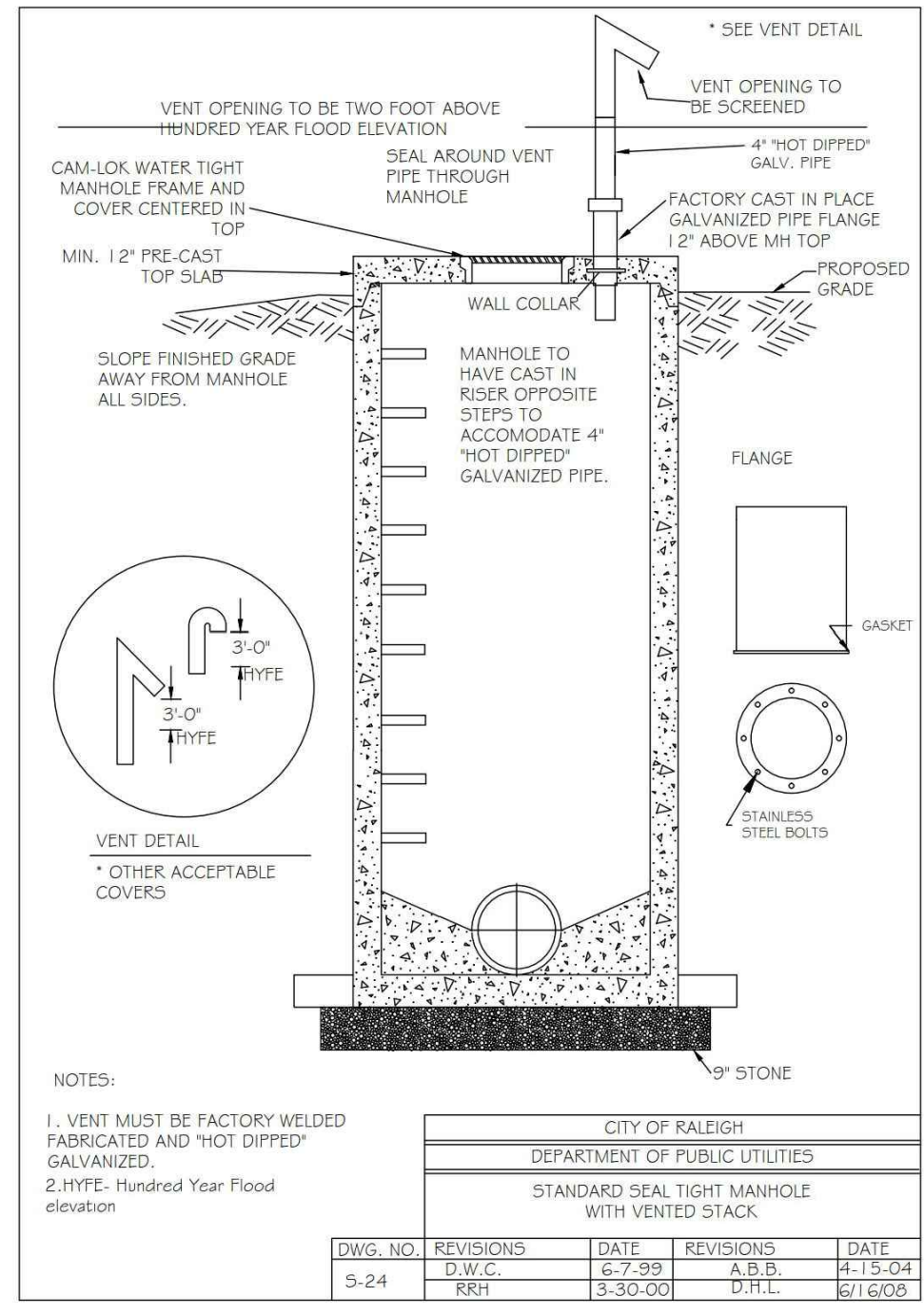
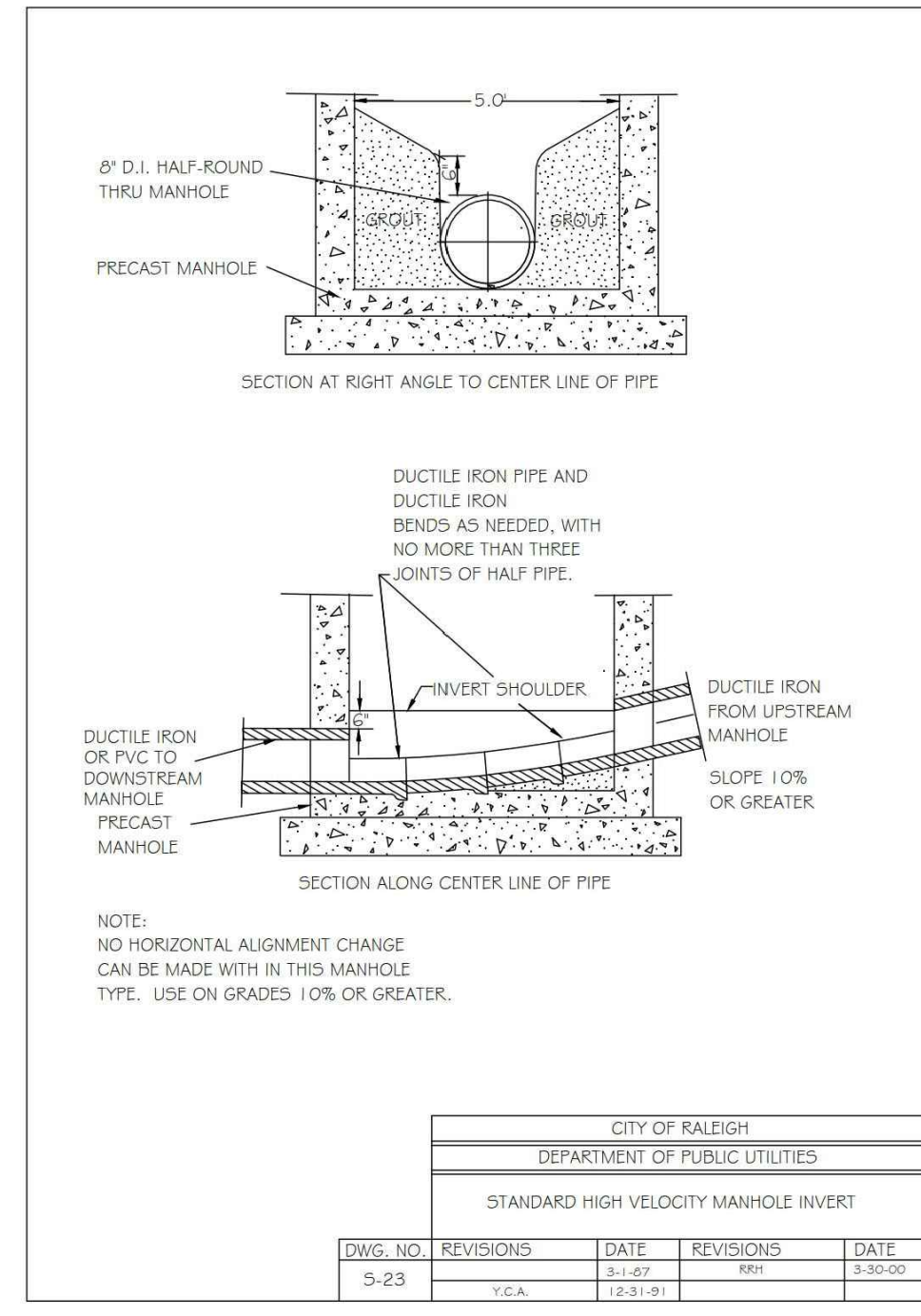
STANDARD MAIN MARKER FOR SEWER FORCE MAINS IN EASEMENTS

| DWG. NO. | REVISIONS | DATE | REVISIONS | DATE |
|----------|---------------|---------|-----------|------|
| 5-8 | R.R.H. D.H.L. | 1-21-00 | 6-18-05 | |

CITY OF RALEIGH
DEPARTMENT OF PUBLIC UTILITIES

STANDARD PRECAST SANITARY SEWER MANHOLE

| DWG. NO. | REVISIONS | DATE | REVISIONS | DATE |
|----------|---------------|----------|---------------|---------|
| 5-20 | T.C.A. R.R.H. | 12-31-82 | A.B.B. D.H.L. | 3-31-00 |
| | | 3-30-00 | | 4-16-05 |



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-4273

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 # S-4273

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City of Raleigh Public Utilities Department Permit # S-4273

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION

Plans for the proposed use have been reviewed for general compliance with applicable codes. This limited review, and authorization for construction is not to be considered to represent total compliance with all legal requirements for development and construction. The property owner, design consultants, and contractors are each responsible for compliance with all applicable City, State and Federal laws. This specific authorization below is not a permit, nor shall it be construed to permit any violation of City, State or Federal Law. All Construction must be in accordance with all Local, State, and Federal Rules and Regulations.

Electronic 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 plans kept on file with the City. This electronic approval may not be edited once issued. Any modification to this approval once issued will invalidate this approval.

City of Raleigh Development Approval _____
 City of Raleigh Review Officer _____

McADAMS
 The John R. McAdams Company, Inc.
 2905 Meridian Parkway
 Durham, NC 27713

phone 919. 361. 5000
 fax 919. 361. 2269
 license number: C-0293, C-187

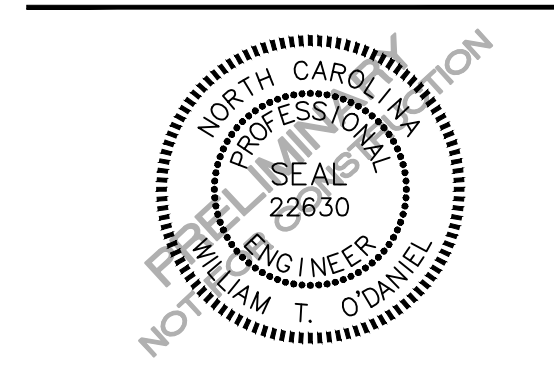
www.mcadamsco.com

CLIENT

ASHTON RALEIGH RESIDENTIAL, LLC.
 5711 SIX FORKS ROAD, SUITE 300
 RALEIGH, NORTH CAROLINA 27609
 PHONE: 919. 232. 3695
 CONTACT: BOB MISHLER

ASHTON WOODS

HARRIS CREEK INTERCEPTOR IMPROVEMENTS
 TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,
 WAKE COUNTY, NORTH CAROLINA



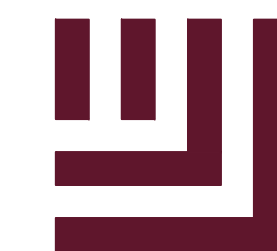
REVISIONS

| NO. | DATE | RESPOND TO MUNICIPAL COMMENTS |
|-----|------------|-------------------------------|
| 1 | 03.03.2022 | RESPOND TO MUNICIPAL COMMENTS |

PLAN INFORMATION

PROJECT NO. AWH-21002
 FILENAME AWH21002-01
 CHECKED BY
 DRAWN BY
 SCALE N.T.S.
 DATE 11.09.2021

SANITARY SEWER DETAILS
C8.01



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IMPROVEMENTS
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,
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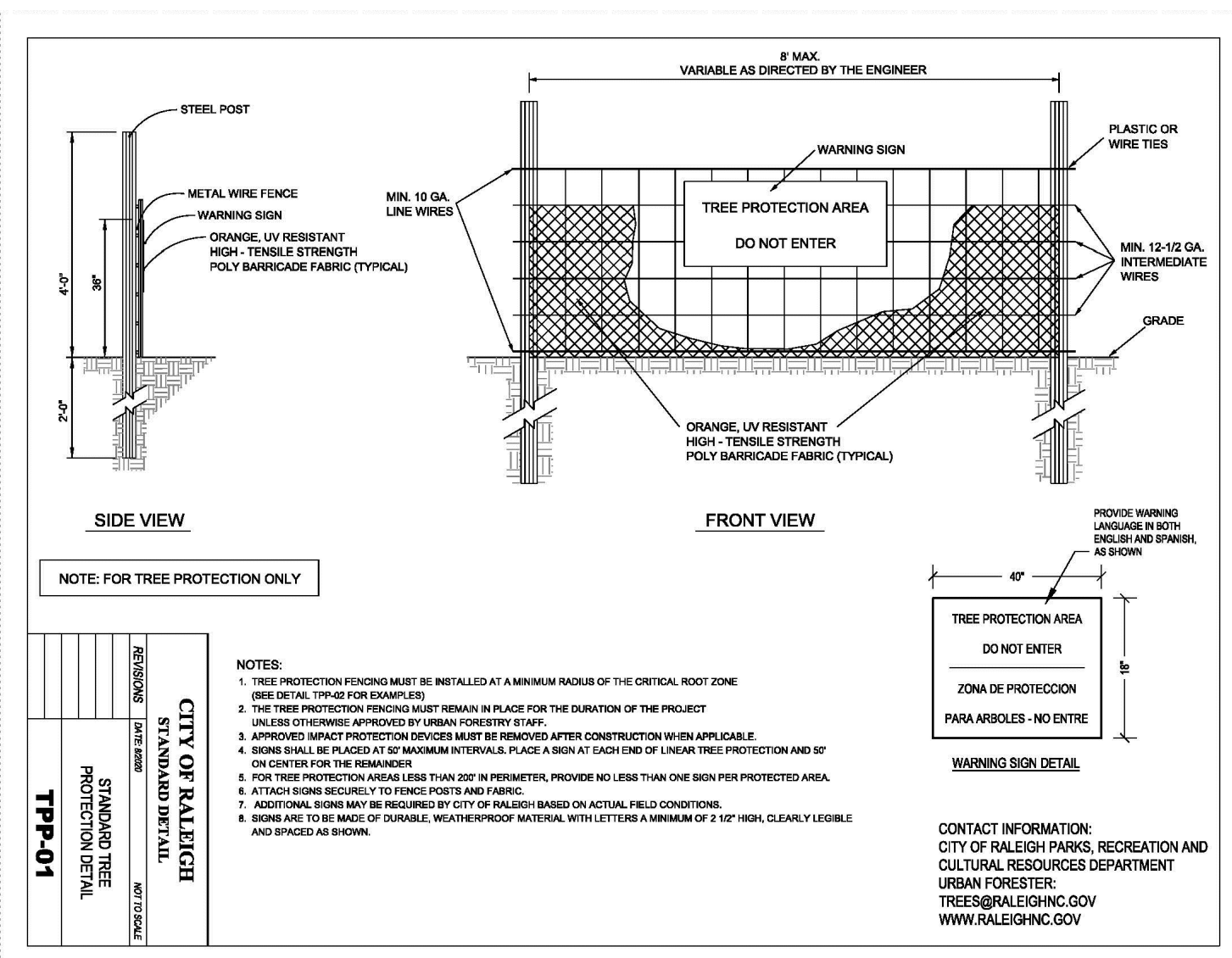
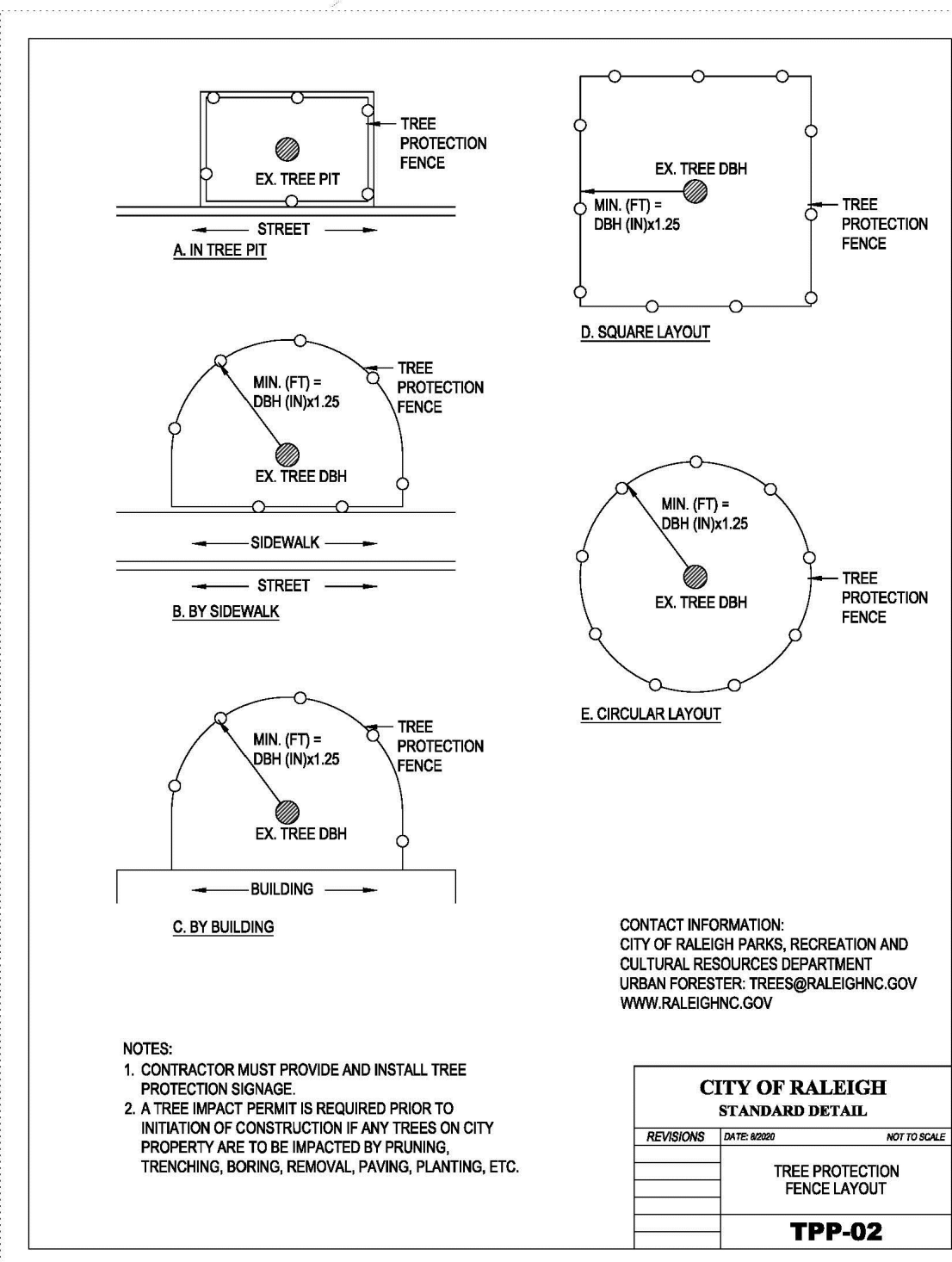
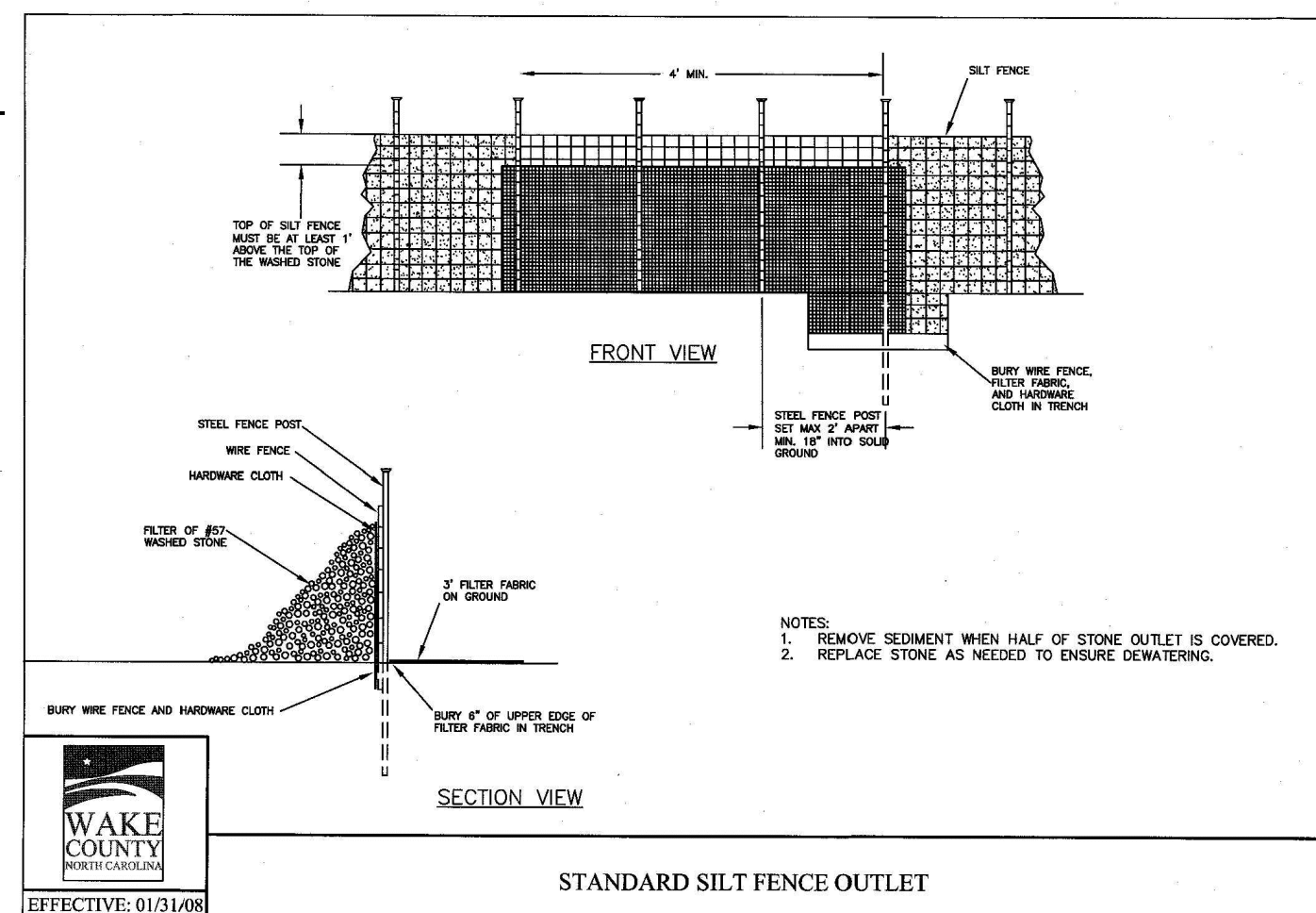
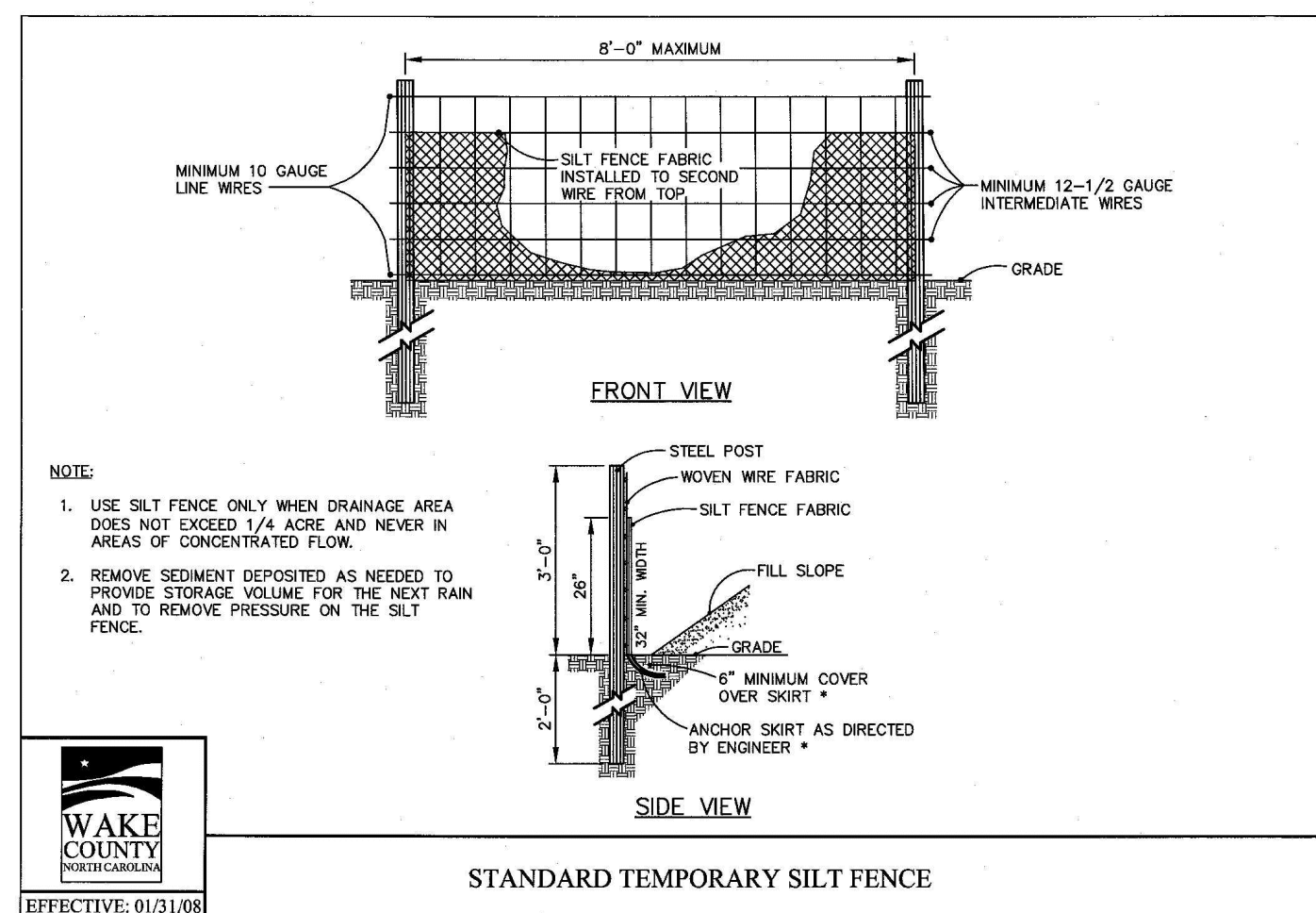
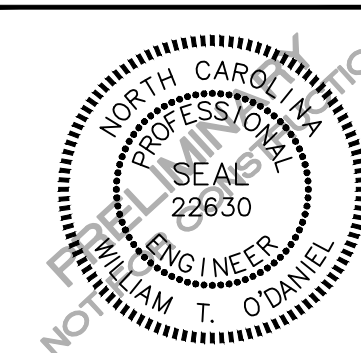


Table with 2 columns: REVISIONS, DATE. Includes City of Raleigh contact information and drawing title 'TREE PROTECTION FENCE LAYOUT TPP-02'.

SITE PERMITTING APPROVAL

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City of Raleigh Development Approval _____
City of Raleigh Review Officer

REVISIONS

Table with 3 columns: NO., DATE, RESPOND TO MUNICIPAL COMMENTS. Row 1: 1, 03.03.2022, RESPOND TO MUNICIPAL COMMENTS

PLAN INFORMATION

Table with 2 columns: PROJECT NO., FILENAME, CHECKED BY, DRAWN BY, SCALE, DATE. Values: AWH-21002, AWH21002-01, ., ., N.T.S., 11.09.2021

EROSION CONTROL
DETAILS
C8.02

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