

DOWNTOWN NORTH - MAIN STREET

N SMITHFIELD ROAD
 KNIGHTDALE, NORTH CAROLINA
 WAKE COUNTY
CONSTRUCTION DRAWINGS
 PHASE 1A
 PROJECT NUMBER: AGN21002
 DATE: JULY 11, 2024
 CASE NUMBER: 791148
 ZMA-13-22
 ORDINANCE #: 23-01-18-003

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 # _____

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 # _____

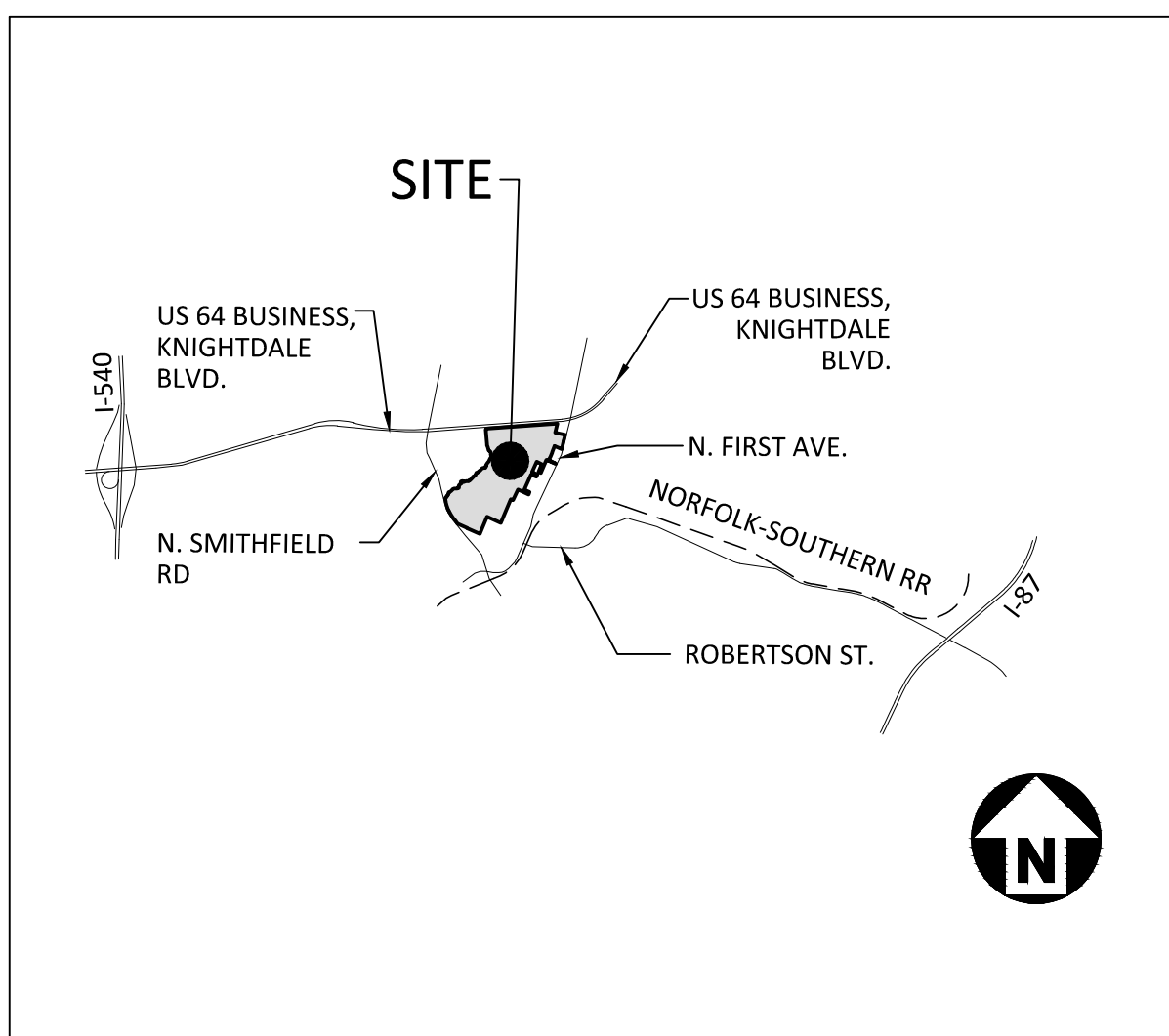
The City of Raleigh consents to the connection to its public sewer system and extension of the private sewer collection system as shown on this plan. The material and constructions methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # _____

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION

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 _____



VICINITY MAP
 1"=5000'

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) 996-4540** at least **twenty four 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**.



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

Professional Design Engineer Certification. These improvements shall be constructed in accordance with the following drawings and with the Standard Specifications of the Town of Knightdale. I, Lisa M. Podeszwa, PE, certify that the Standard Specifications of the Town of Knightdale have been thoroughly checked and found to be applicable to this project. All exceptions to the applicable Town standards have been previously approved by the Town of Knightdale and said exceptions are shown on Sheet(s) _____ of these drawings.
 Seal By: _____ PE
 Date: 07/23/2024

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CURRENT TOWN OF KNIGHTDALE, CITY OF RALEIGH PUBLIC UTILITIES, AND NCDOT (WHERE APPLICABLE) ENGINEERING DESIGN AND CONSTRUCTION STANDARDS

CONTRACTOR SHALL NOTIFY "811" (811) OR (1-800-632-4949) AT LEAST 3 FULL BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED. CONTRACTOR SHALL CONTACT ANY LOCAL UTILITIES THAT PROVIDE THEIR OWN LOCATOR SERVICES INDEPENDENT OF "811". REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.

Town Approved Standards Shall Control. In the event of a conflict or inconsistency between these construction drawings and the Town of Knightdale's Approved Standards for this project, the Approved Standards shall control. Town of Knightdale Approved Standards shall mean all development documents necessary for approval for the Property including, but not limited to, any special use permit, subdivision plan, site plan, subdivision plat(s), phasing schedule, Development Agreement, Utility Allocation Agreement, Annexation Agreement, the Town of Knightdale Standard Specification and Details Manual and applicable provisions of the North Carolina State Building Code.

Town Certification. This design has been reviewed by the Engineer for the Town of Knightdale, and to the best of my knowledge and belief, it conforms to the requirements established in the Standard Specifications of the Town of Knightdale.
 By: _____ Date: _____
 Town Engineer
 These plans are approved by the Town of Knightdale and serve as construction plans for this project.
 By: _____ Date: _____
 Administrator

SHEET INDEX

C10.00	COVER SHEET AND INDEX
C10.01	TYPICAL SECTIONS - MAIN STREET
C10.02	ROADWAY DETAILS
C10.03	OVERALL SITE PLAN
C10.04	PLAN AND PROFILE - MAIN STREET STA. 100+00 THRU STA. 106+50
C10.05	INTERSECTION SIGHT DISTANCE - MAIN STREET
C10.06	PAVEMENT MARKING AND SIGNING PLAN - MAIN STREET STA. 100+00 THRU STA. 106+50
C10.07	TRAFFIC CONTROL NOTES AND PHASING
C10.08	EROSION CONTROL PLAN - MAIN STREET STA. 100+00 THRU STA. 106+50
C10.09	CROSS SECTIONS - MAIN STREET STA. 100+00 THRU STA. 101+00
C10.10	CROSS SECTIONS - MAIN STREET STA. 101+50 THRU STA. 102+50
C10.11	CROSS SECTIONS - MAIN STREET STA. 103+00 THRU STA. 104+00
C10.12	CROSS SECTIONS - MAIN STREET STA. 104+50 THRU STA. 105+50

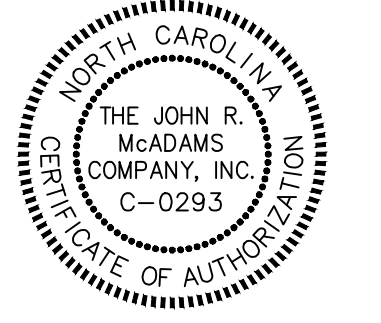
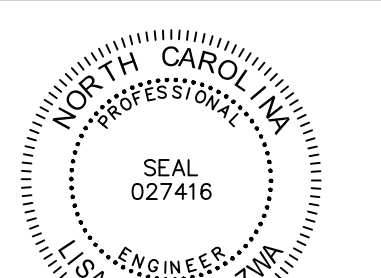
McADAMS
 The John R. McAdams Company, Inc.
 2905 Meridian Parkway
 Durham, NC 27713
 phone 919. 361. 5000
 fax 919. 361. 2269
 license number: C-0293, C-187
 www.mcadamsco.com

CONTACT
 L. MICHELLE PODESZWA
 podeszwa@mcadamsco.com
 PHONE: 919. 287. 0844

CLIENT
 ALLIANCE GROUP OF NC, LLC
 7208 FALLS OF NEUSE RD, SUITE 101
 RALEIGH, NORTH CAROLINA 27615
 JACOB ANDERSON
 PHONE: 919. 239. 9486



PROJECT DIRECTORY
 JPM SOUTH DEVELOPMENT
 7208 FALLS OF NEUSE RD, SUITE 101
 RALEIGH, NORTH CAROLINA 27615
 JOHN MYERS
 PHONE: 919. 306. 3330



REVISIONS

NO.	DATE
1	
2	
3	
4	
5	
6	

CONSTRUCTION DRAWINGS FOR:
 DOWNTOWN NORTH
 N SMITHFIELD ROAD
 KNIGHTDALE, NORTH CAROLINA
 PROJECT NUMBER: AGN21001

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McADAMS

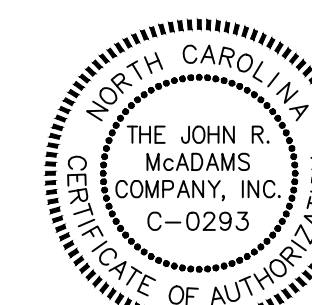
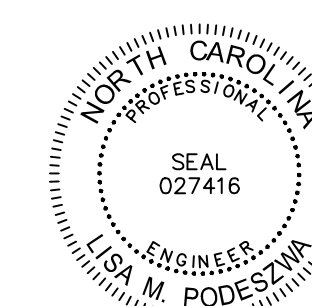
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DOWNTOWN NORTH AT
KNIGHTDALE STATION
OFFSITE ROADWAY PLAN
PHASE 1A



REVISIONS

NO. DATE

PLAN INFORMATION

PROJECT NO.
FILENAME
CHECKED BY LMP
DRAWN BY MJM
SCALE 1" = 5'
DATE 07-11-2024

SHEET

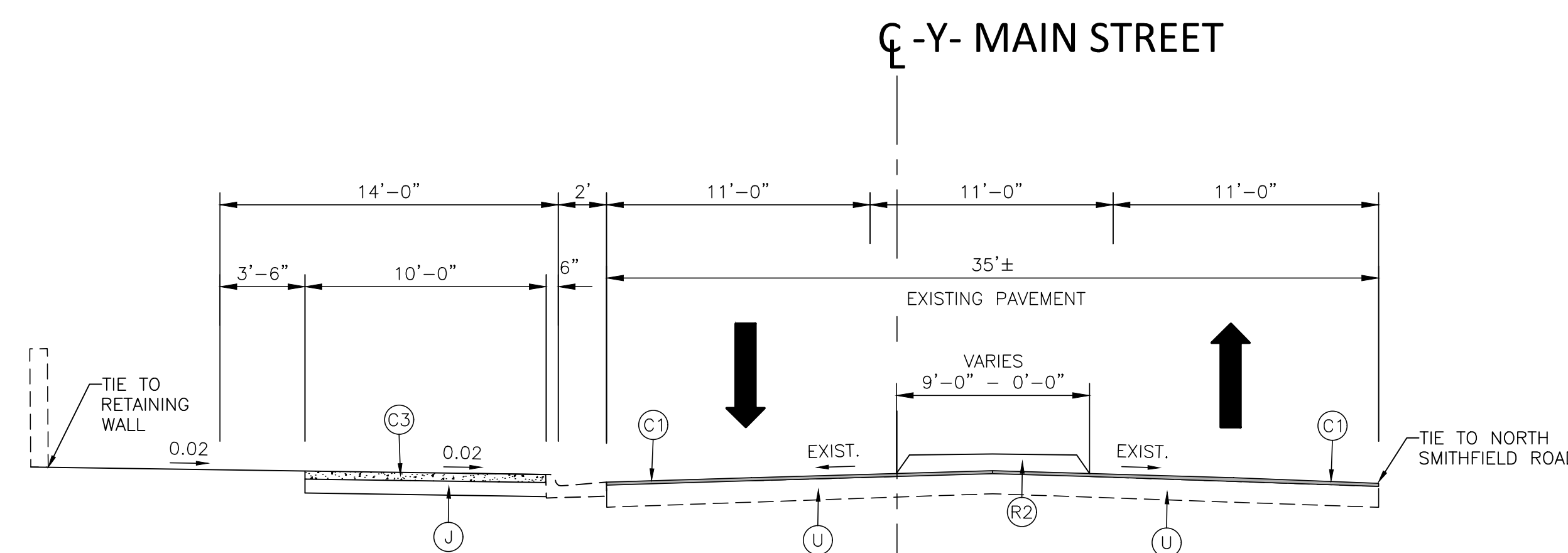
TYPICAL SECTIONS
MAIN STREET

C10.01

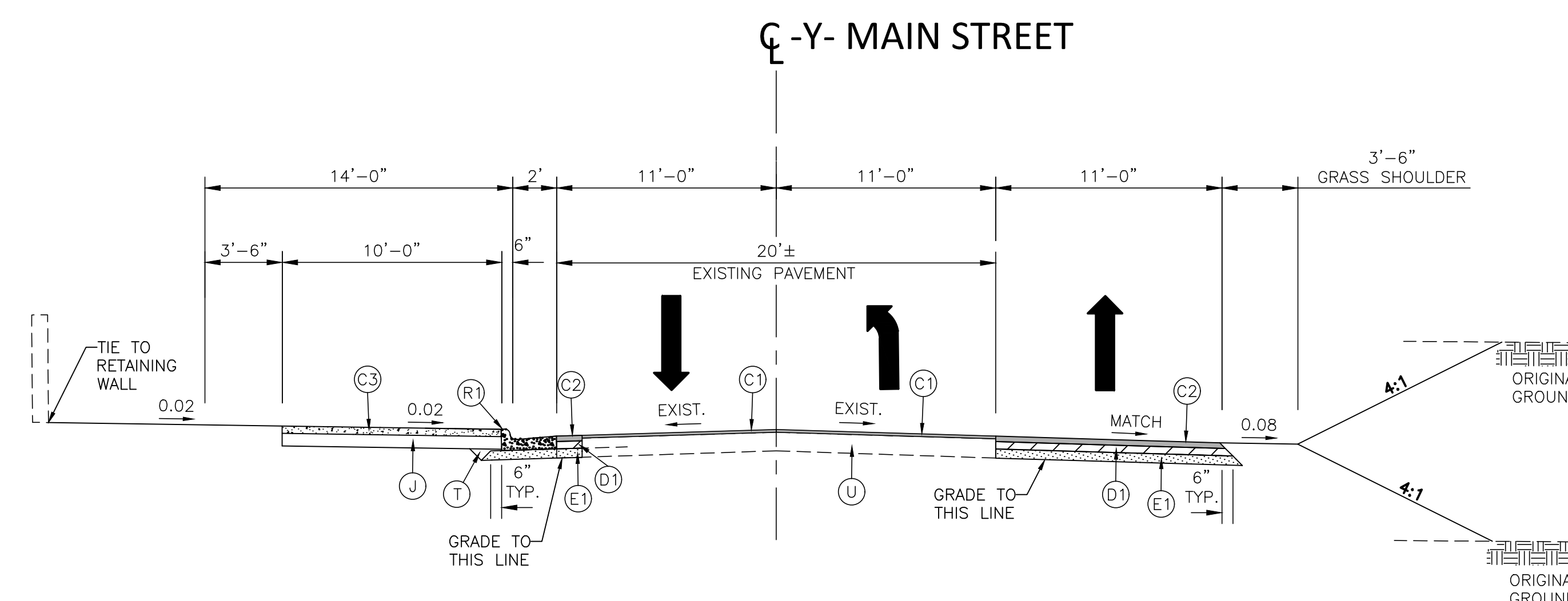
PAVEMENT SCHEDULE

C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YARD.
C2	PROP. APPROX. 3.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YARD IN EACH OF TWO LAYERS, (INCLUDES OVERLAY)
C3	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YARD.
D1	PROP. APPROX. 4.0" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YARD IN ONE LAYER.
E1	PROP. APPROX. 5.0" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YARD IN ONE LAYER.
J	6" AGGREGATE BASE COURSE
R1	30" CONCRETE CURB AND GUTTER
R2	5" MONOLITHIC CONCRETE ISLAND (SURFACE MOUNTED)
S	4" CONCRETE SIDEWALK
T	EARTH MATERIAL
U	EXISTING PAVEMENT

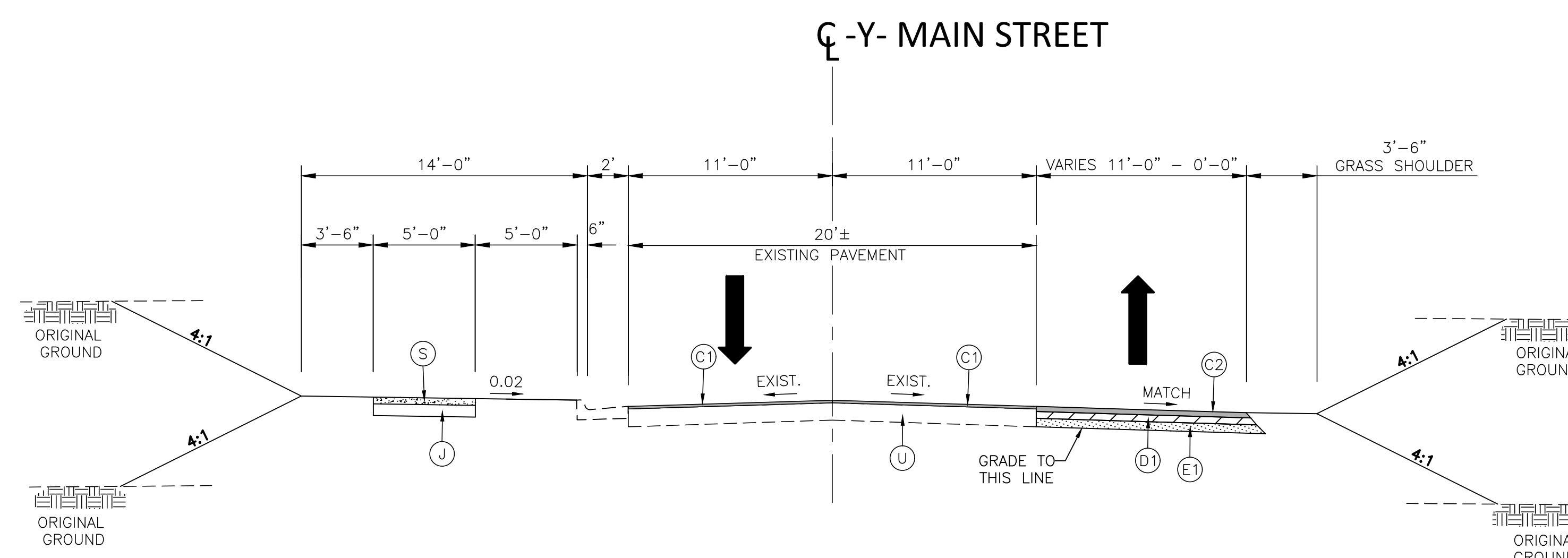
* SHOULDER SHALL SLOPE IN ACCORDANCE WITH NCDOT STD. DWG. NO. 560.01. ALL TYPICAL SECTIONS WHERE SUPER IS APPLICABLE.



TYPICAL SECTION NO.1
-Y- MAIN STREET
STA 100+34.94 TO STA 101+00



TYPICAL SECTION NO.2
-Y- MAIN STREET
STA 101+00 TO STA 102+74.74



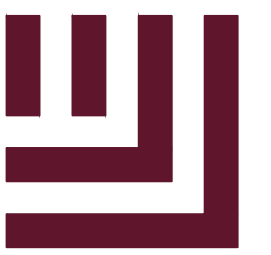
TYPICAL SECTION NO.3
-Y- MAIN STREET
STA 102+74.74 TO STA 105+41

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Town Certification. This design has been reviewed by the Engineer for the Town of Knightdale, and to the best of my knowledge and belief, it conforms to the requirements established in the Standard Specifications of the Town of Knightdale.
By: _____ Date: _____
Town Engineer
These plans are approved by the Town of Knightdale and serve as construction plans for this project.
By: _____ Date: _____
Administrator

PERMIT SET - NOT RELEASED FOR CONSTRUCTION

M:\Projects\AGN\0210204\Production\Engineering\Current Drawings\Offsite Roadway\Main Street Only\Option\A021002\RDWY-031.dwg, 7/11/2024 12:14:37 PM, Michahla Jerome MacNaughton



McADAMS

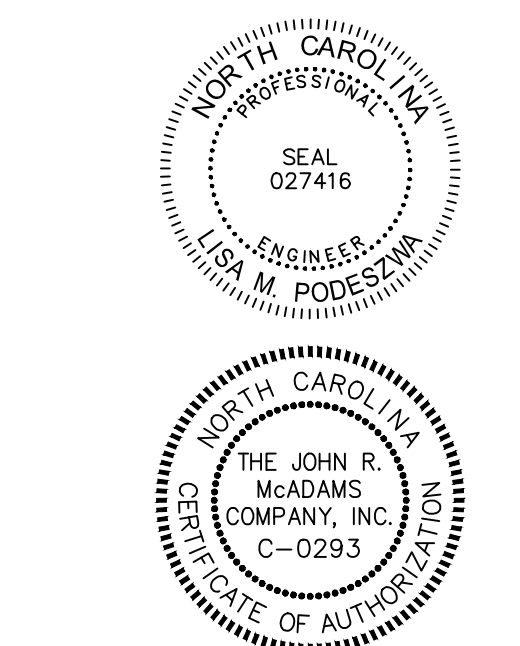
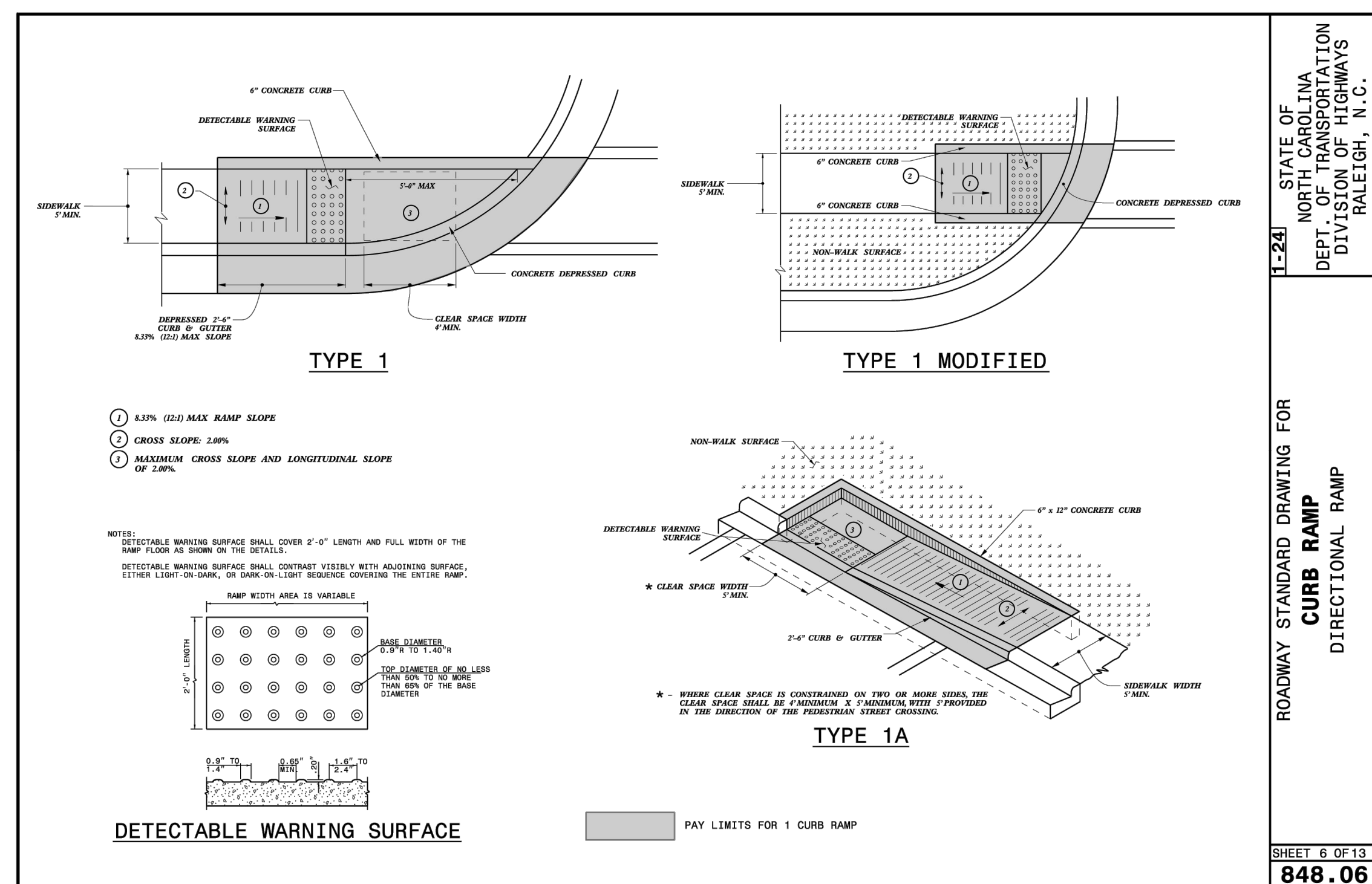
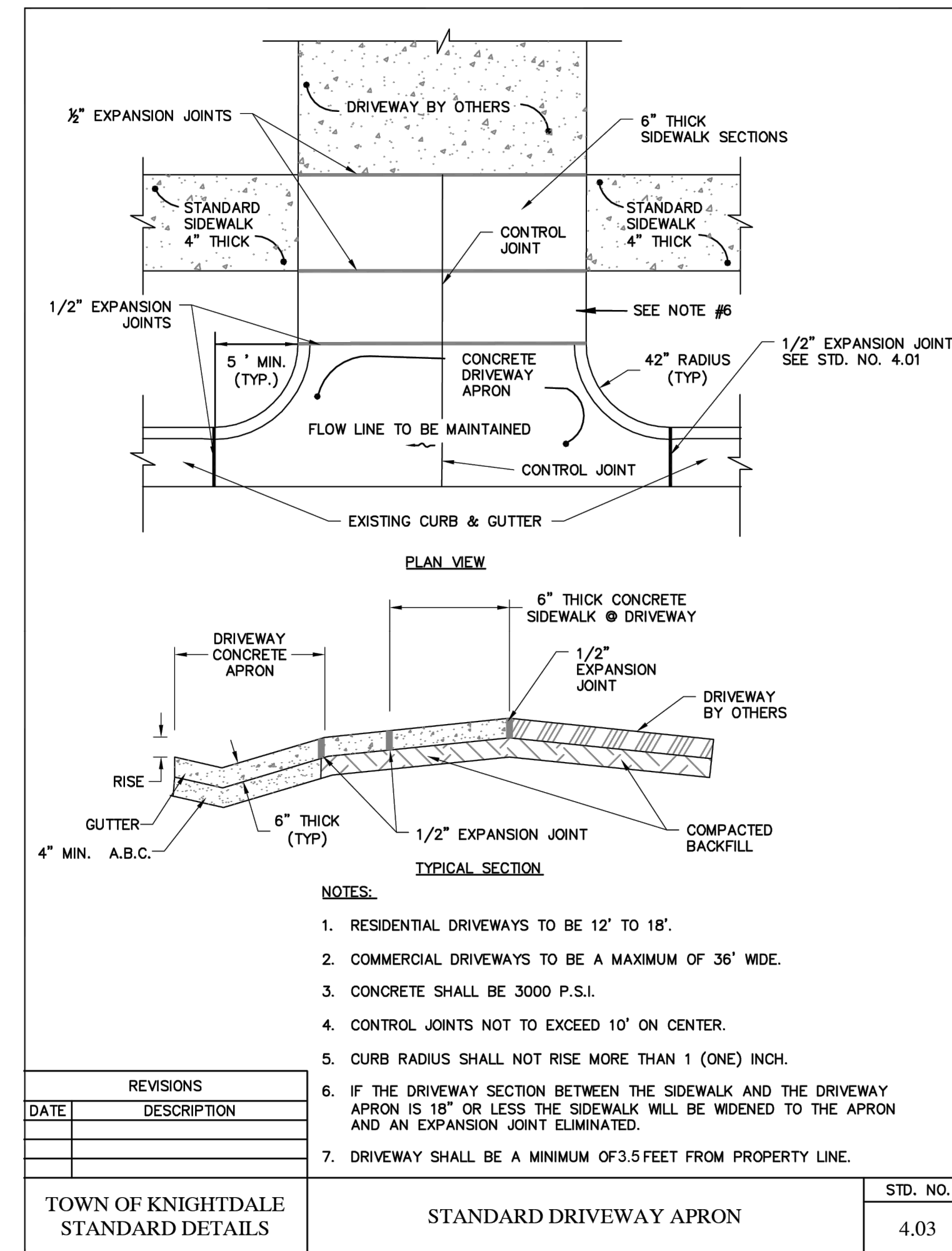
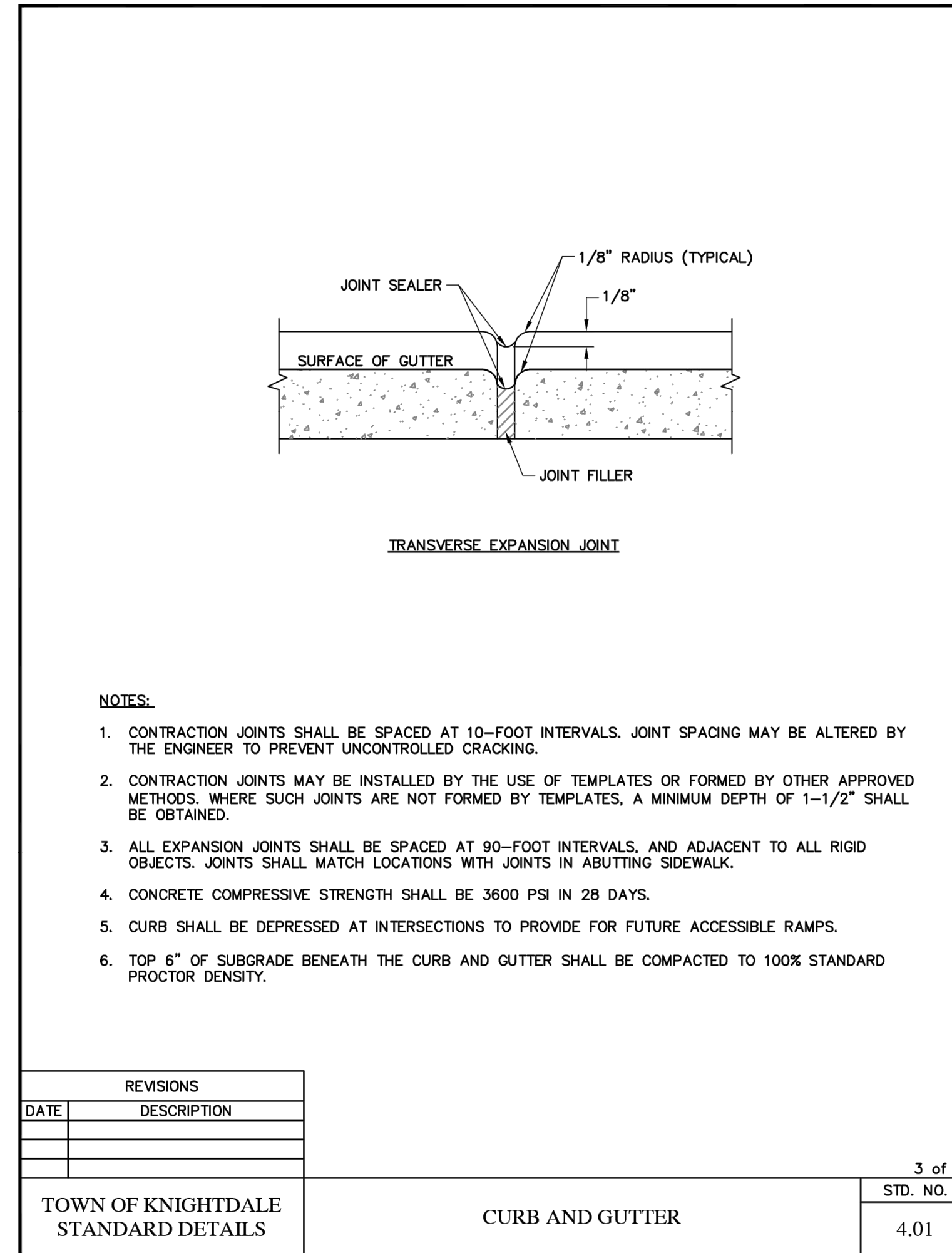
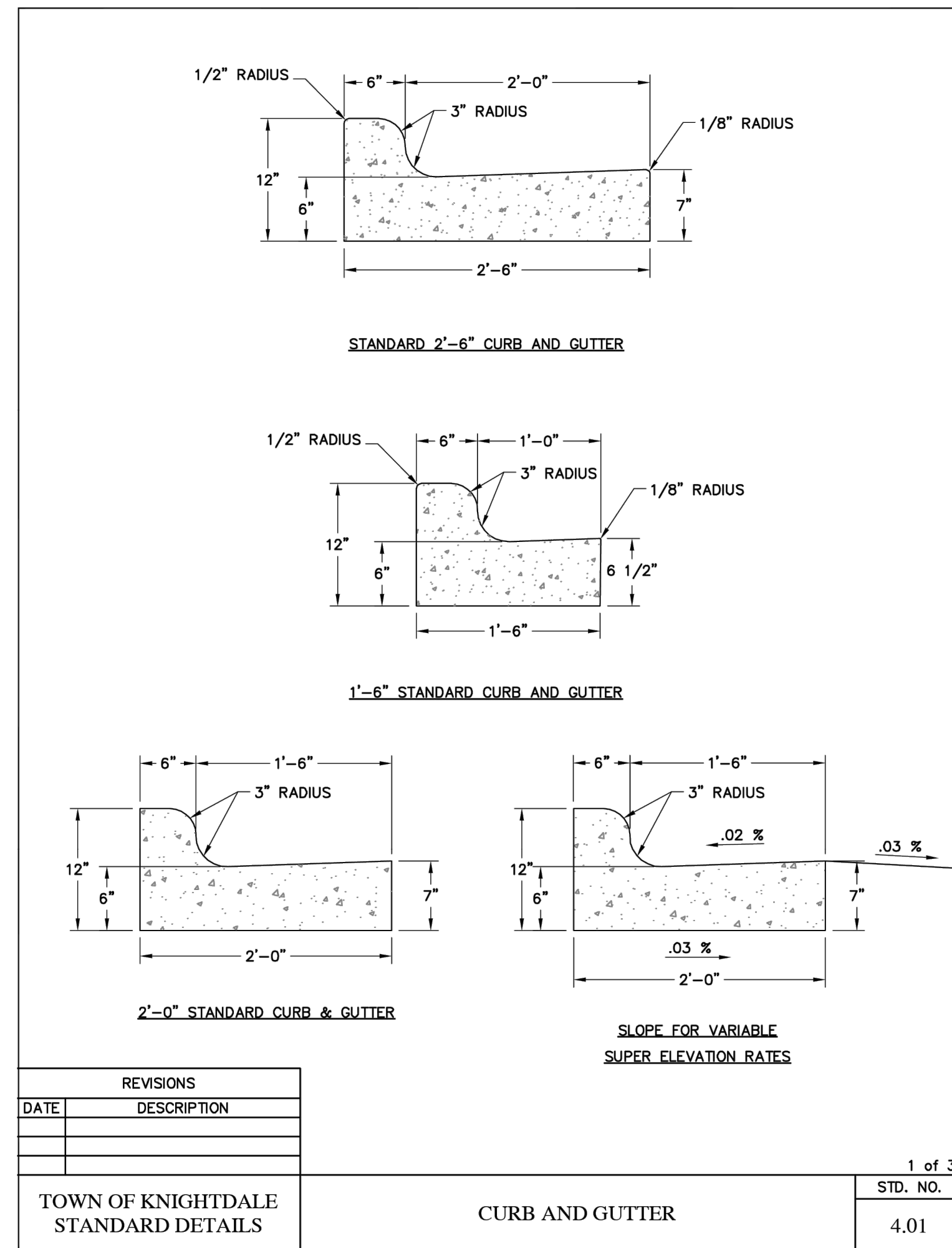
The John R. McAdams Company, Inc.
2905 Meridian Parkway
Durham, NC 27713

phone 919.361.5000
fax 919.361.2269
license number: C-0293, C-187

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DOWNTOWN NORTH AT
KNIGHTDALE STATION
OFFSITE ROADWAY PLAN
PHASE 1A



REVISIONS

NO.	DATE

PLAN INFORMATION

PROJECT NO.	
FILENAME	
CHECKED BY	LMP
DRAWN BY	MJM
SCALE	N/A
DATE	07-11-2024

ROADWAY DETAILS

C10.02

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By: _____ Date: _____

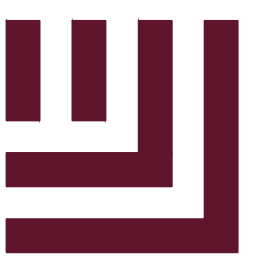
Town Engineer

These plans are approved by the Town of Knightdale and serve as construction plans for this project.

By: _____ Date: _____

Administrator

M:\Projects\1400\14002004\Production\Engineering\Current Drawings\Offsite Roadway\Main Street Only\Option\A01\021002-HDWY-DET.dwg, 7/11/2024 12:14:26 PM, McAdams, Jerome MacNaughton



McADAMS

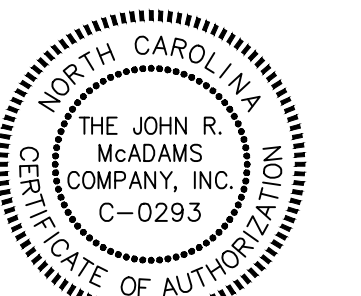
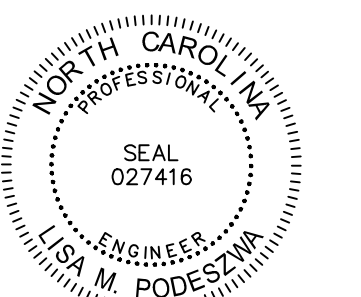
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**DOWNTOWN NORTH AT
KNIGHTDALE STATION
OFFSITE ROADWAY PLAN
PHASE 1A**



REVISIONS

NO. DATE

PLAN INFORMATION

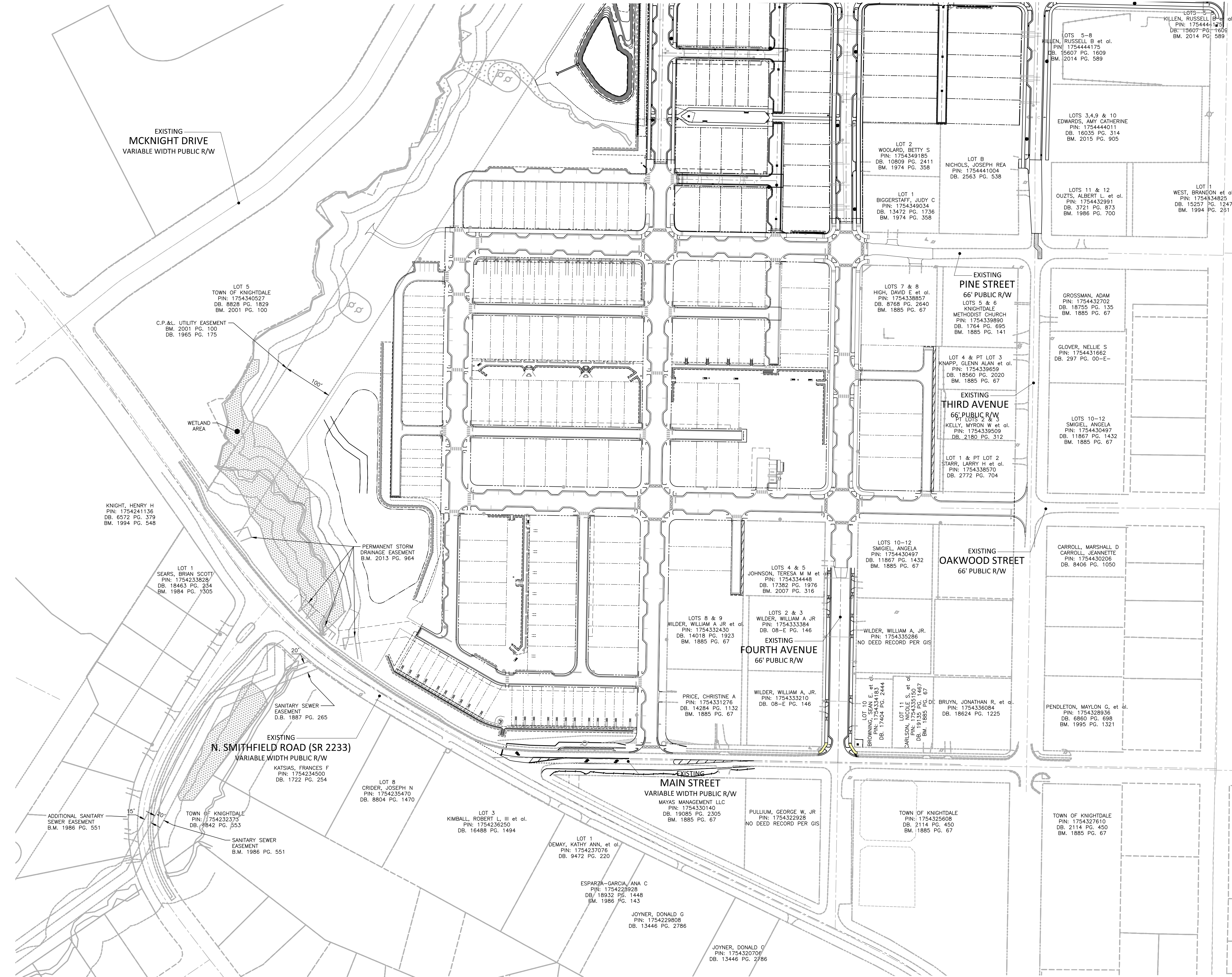
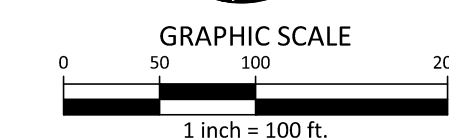
PROJECT NO.
FILENAME
CHECKED BY LMP
DRAWN BY MJM
SCALE 1" = 100'
DATE 07-11-2024
SHEET

OVERALL SITE PLAN

C10.03

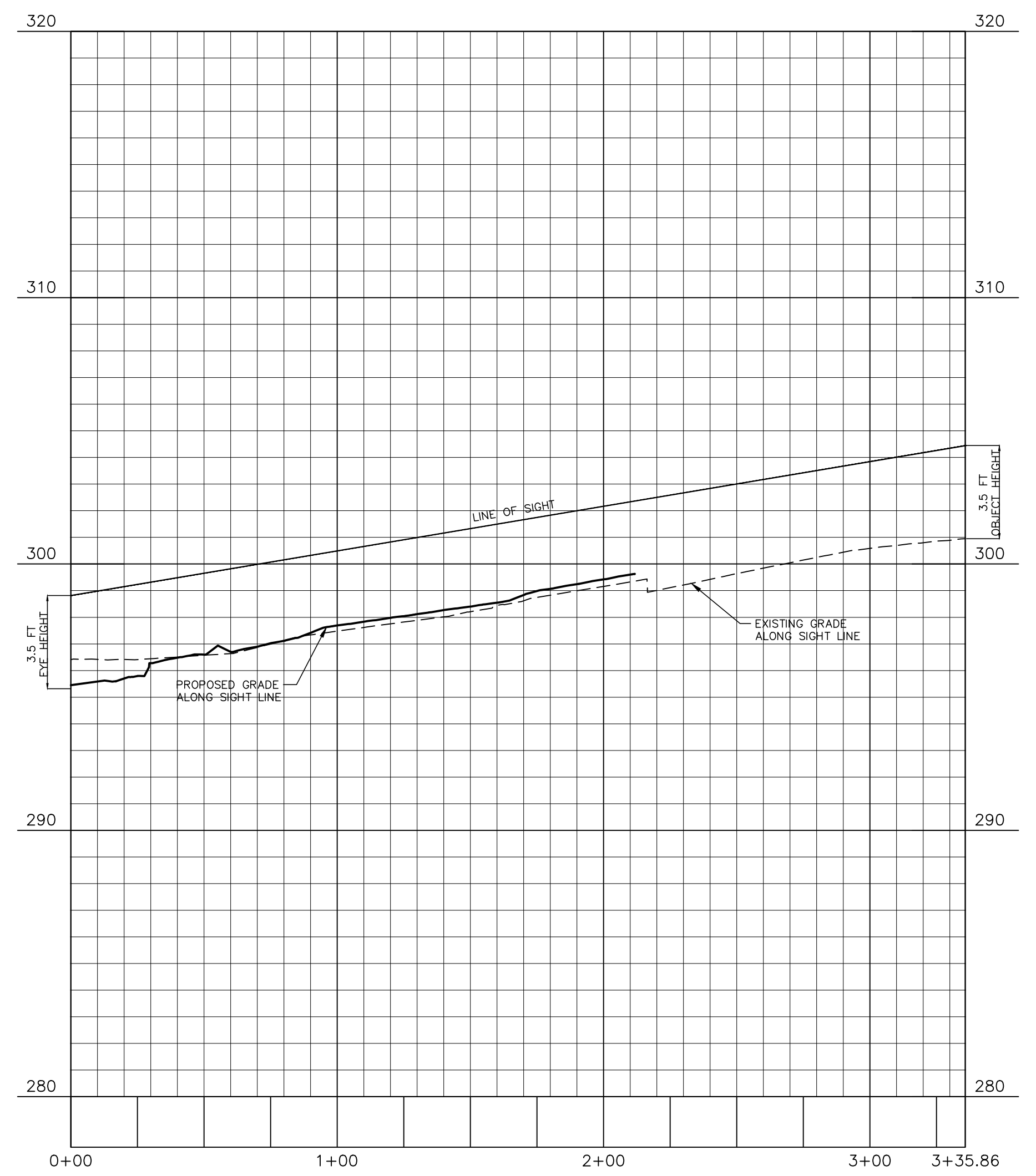
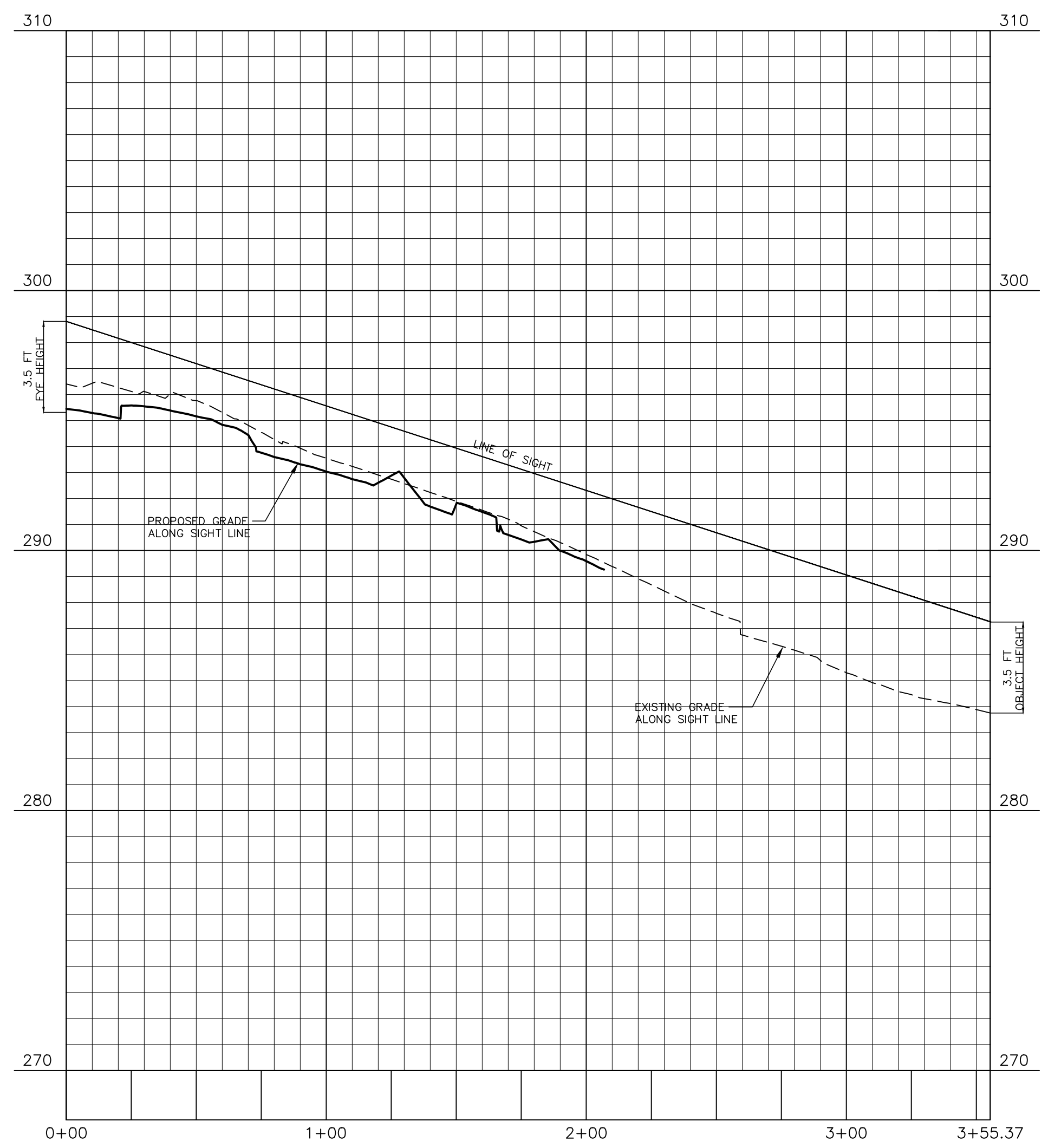
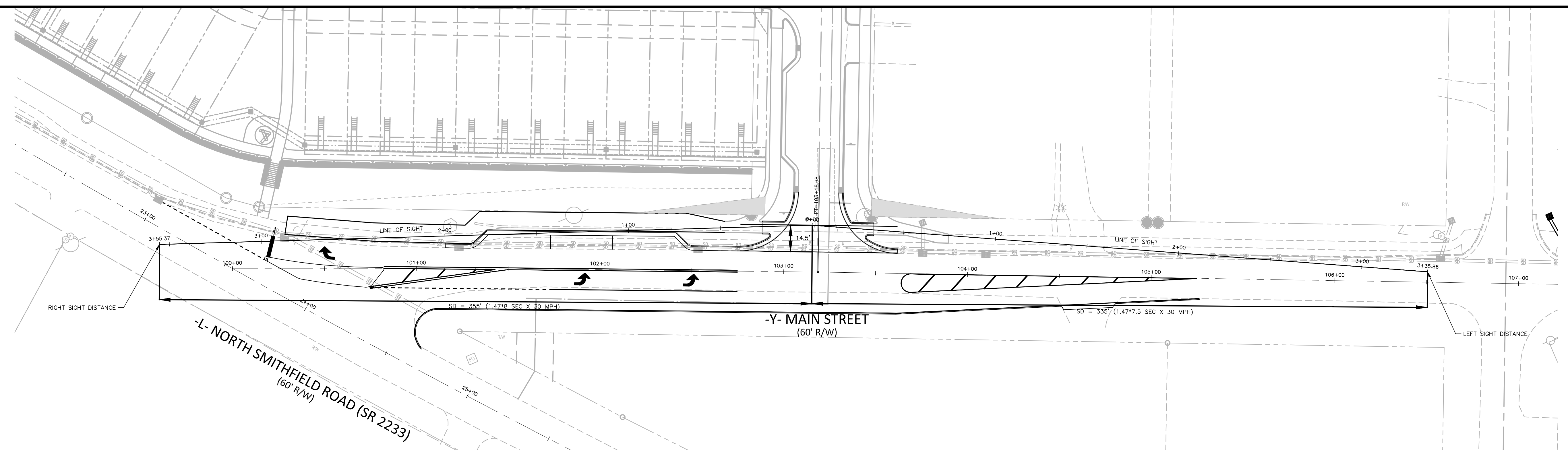
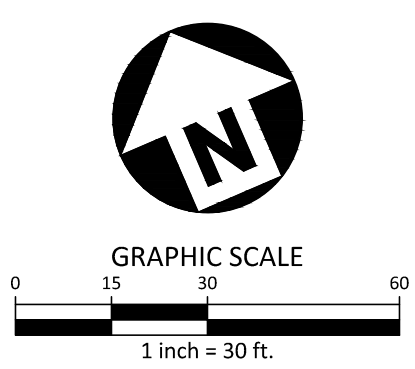
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By: _____ Date: _____
Town Engineer
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By: _____ Date: _____
Administrator



M:\Projects\AGN\AGN120204\Production\Drawings\Official Roadway\Main Street\Drawings\Current Drawings\Official Roadway\Main Street.dwg, 7/11/2024, 12:14:55 PM, michala.jerome.mcdonald

PERMIT SET - NOT RELEASED FOR CONSTRUCTION



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 By: _____ Date: _____
 Administrator

PERMIT SET - NOT RELEASED FOR CONSTRUCTION

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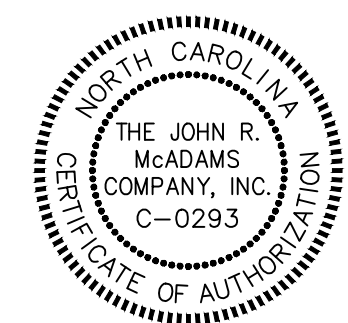
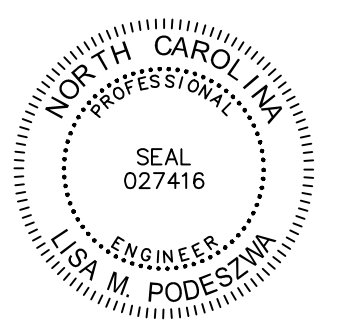


The John R. McAdams Company, Inc.
 2905 Meridian Parkway
 Durham, NC 27713
 phone 919. 361. 5000
 fax 919. 361. 2269
 license number: C-0293, C-187
 www.mcadamsco.com



REVISIONS

NO.	DATE



DOWNTOWN NORTH AT KNIGHTDALE STATION OFFSITE ROADWAY PLAN PHASE 1A

PLAN INFORMATION

PROJECT NO.	
FILENAME	
CHECKED BY	LMP
DRAWN BY	MJM
SCALE	1" = 30'
DATE	07-11-2024

SHEET
 INTERSECTION SIGHT DISTANCE
 MAIN STREET
 STA. 100+00 THRU STA. 107+00
C10.05



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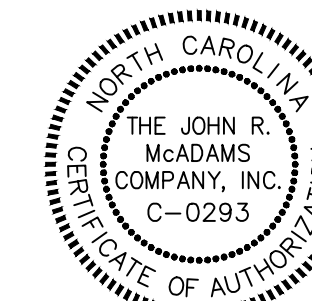
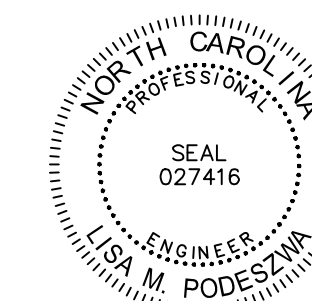
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**DOWNTOWN NORTH AT
KNIGHTDALE STATION
OFFSITE ROADWAY PLAN
PHASE 1A**



REVISIONS

NO. DATE

PLAN INFORMATION

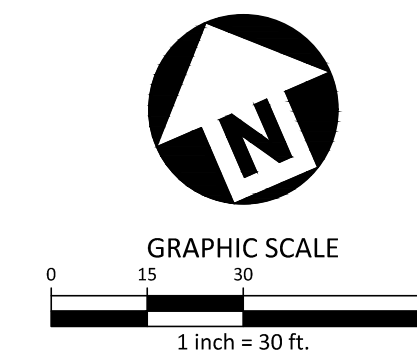
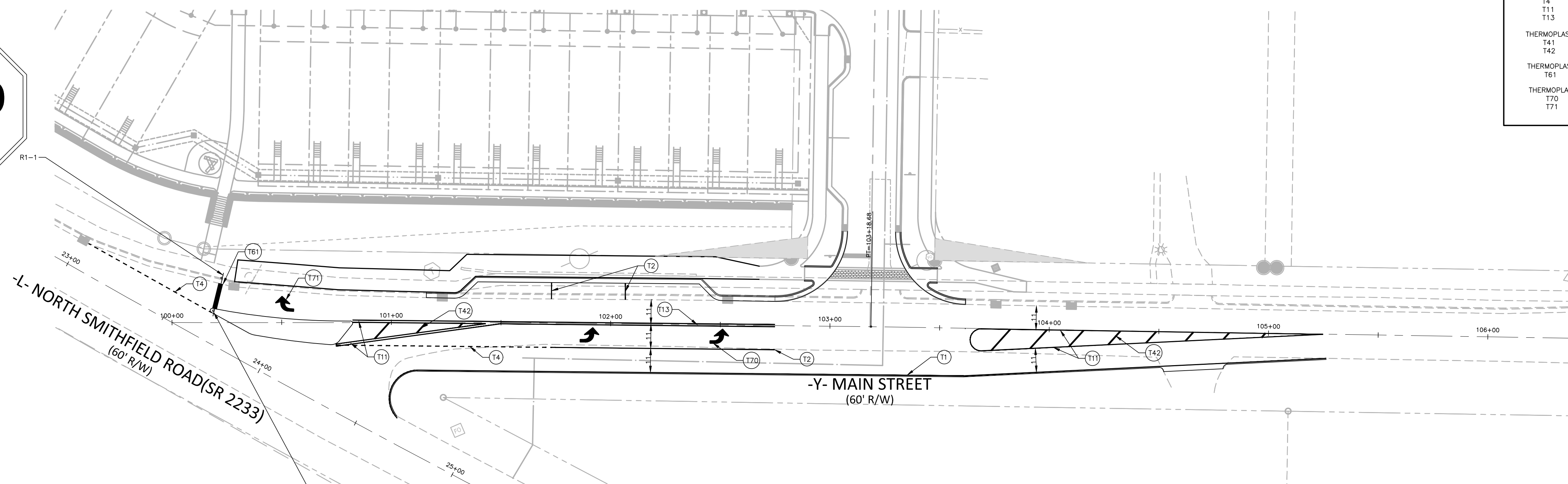
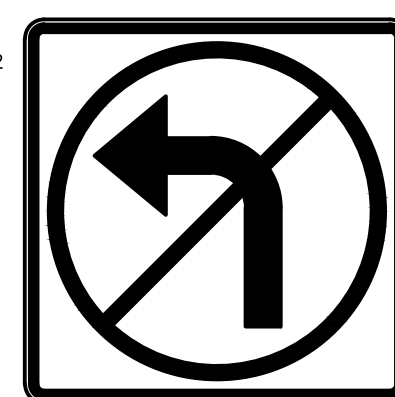
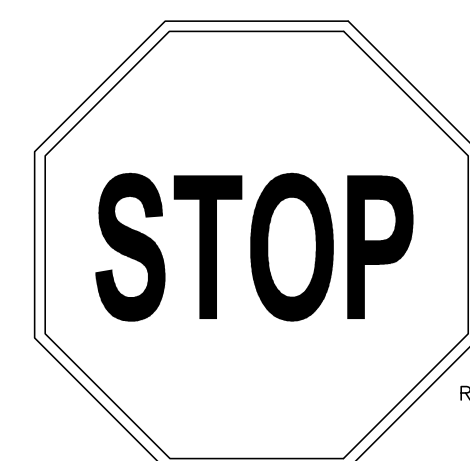
PROJECT NO.
FILENAME
CHECKED BY LMP
DRAWN BY MJM
SCALE 1" = 30'
DATE 07-11-2024

SHEET

**PAVEMENT MARKINGS
AND SIGNAGE**
MAIN STREET
STA. 100+00 THRU STA. 106+50

C10.06

SYMBOL	DESCRIPTION
T1	WHITE EDGELINE
T2	WHITE SOLID LANE LINE
T4	3FT-9FT/SP WHITE MINISKIP
T11	YELLOW SINGLE CENTER
T13	YELLOW DOUBLE CENTER
T41	WHITE DIAGONAL
T42	YELLOW DIAGONAL
T61	WHITE STOPBAR
T70	LEFT TURN ARROW
T71	RIGHT TURN ARROW

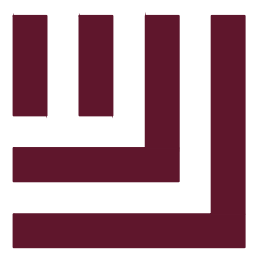


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PERMIT SET - NOT RELEASED FOR CONSTRUCTION

I:\Projects\AGNC\2024\04-Production\Engineering\Current Drawings\Offsite Roadway\Main Street Only\Option\AR21002-10DWY-PM1.dwg, 7/11/2024, 12:15:59 PM, Mobala, Income, MacNaughton



McADAMS

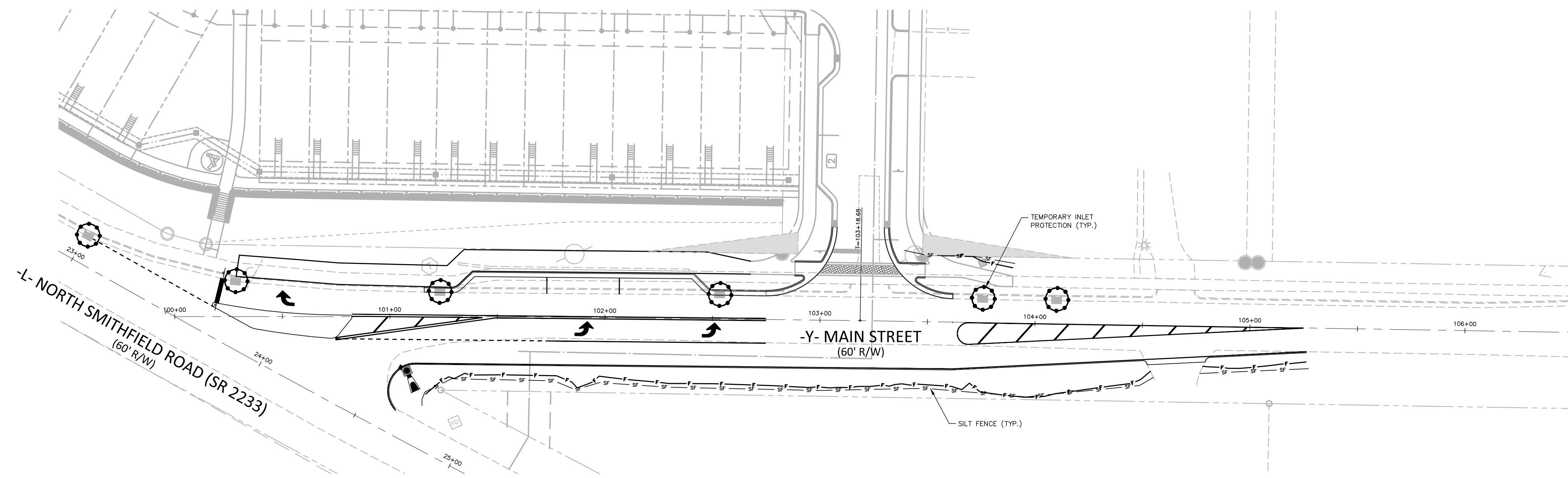
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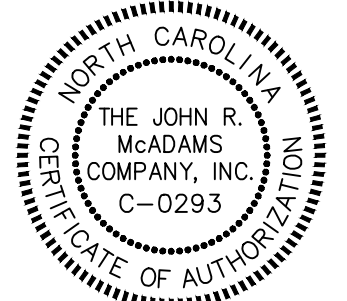
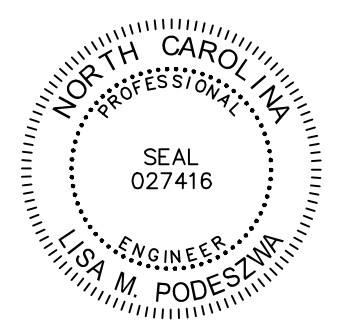
www.mcadamsco.com



**DOWNTOWN NORTH AT
KNIGHTDALE STATION
OFFSITE ROADWAY PLAN
PHASE 1A**



I:\Projects\AGN\02102024-Production\Engineering\Current Drawings\Offsite Roadway\Main Street Only\Option\AR21002-100+00-106+00.dwg, 7/11/2024 12:16:30 PM, Michael Jerome MacNughton



REVISIONS

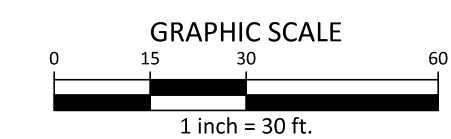
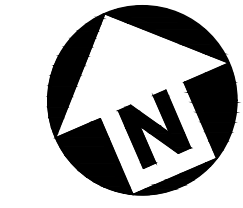
NO. DATE

PLAN INFORMATION

PROJECT NO.
FILENAME
CHECKED BY LMP
DRAWN BY MJM
SCALE 1" = 30'
DATE 07-11-2024

**EROSION CONTROL
MAIN STREET
STA. 100+00 THRU STA. 106+50**

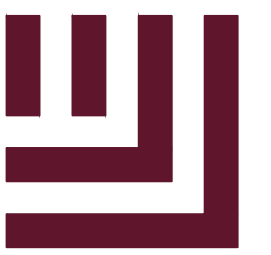
C10.08



Town Approved Standards Shall Control. In the event of a conflict or inconsistency between these construction drawings and the Town of Knightdale's Approved Standards for this project, the Approved Standards shall control. Town of Knightdale Approved Standards shall mean all development documents necessary for approval for the Property including, but not limited to, any special use permit, subdivision plan, site plan, subdivision plat(s), phasing schedule, Development Agreement, Utility Allocation Agreement, Annexation Agreement, the Town of Knightdale Standard Specification and Details Manual and applicable provisions of the North Carolina State Building Code.

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By: _____ Date: _____
Town Engineer
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By: _____ Date: _____
Administrator

PERMIT SET - NOT RELEASED FOR CONSTRUCTION



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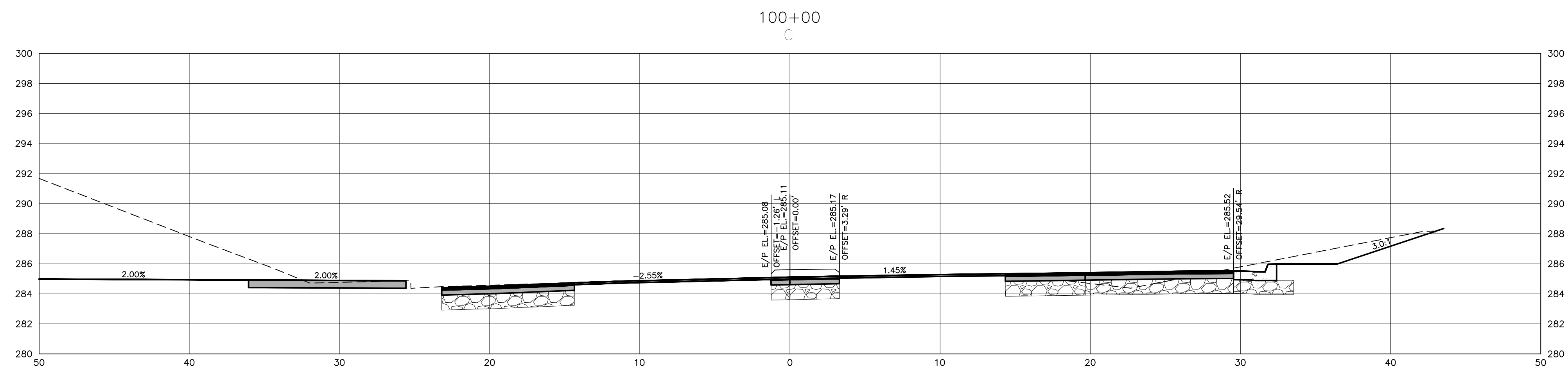
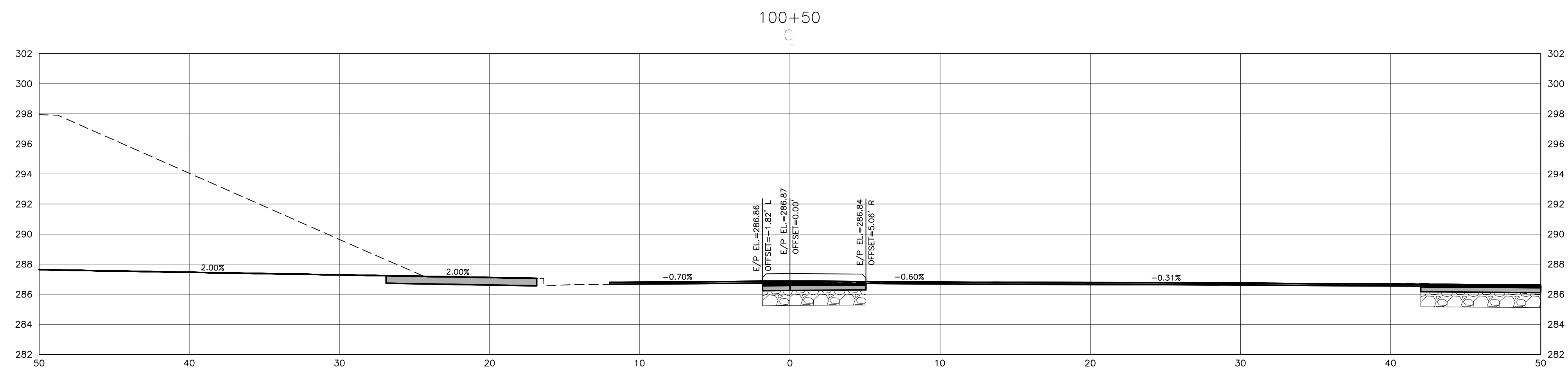
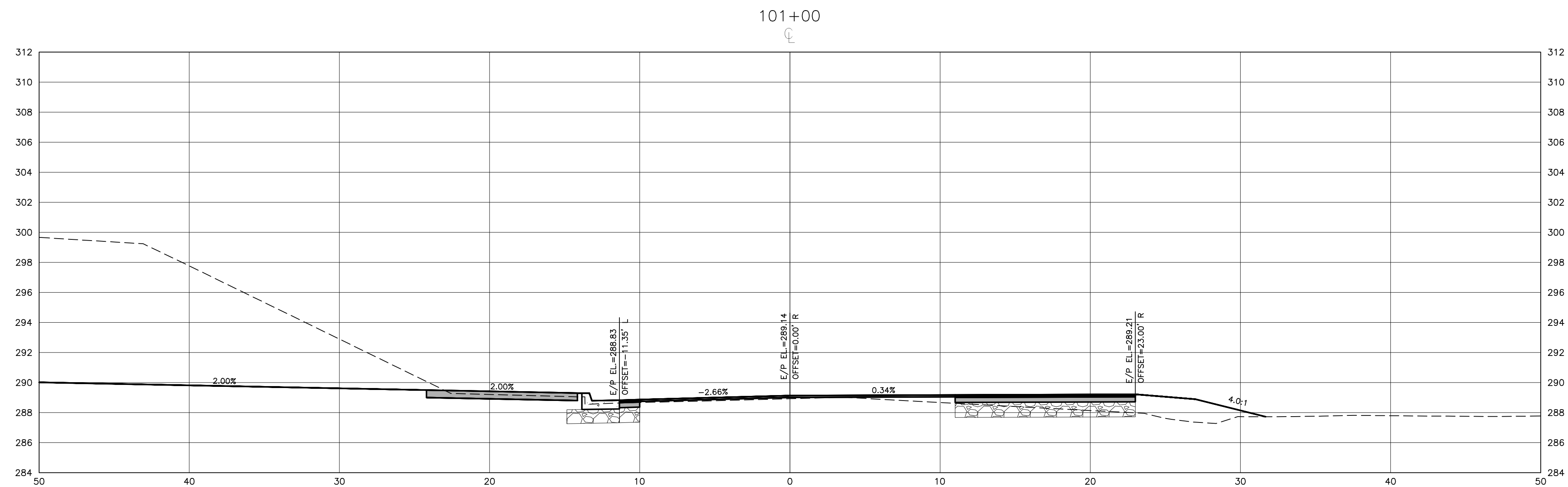
The John R. McAdams Company, Inc.
2905 Meridian Parkway
Durham, NC 27713

phone 919.361.5000
fax 919.361.2269
license number: C-0293, C-187

www.mcadamsco.com



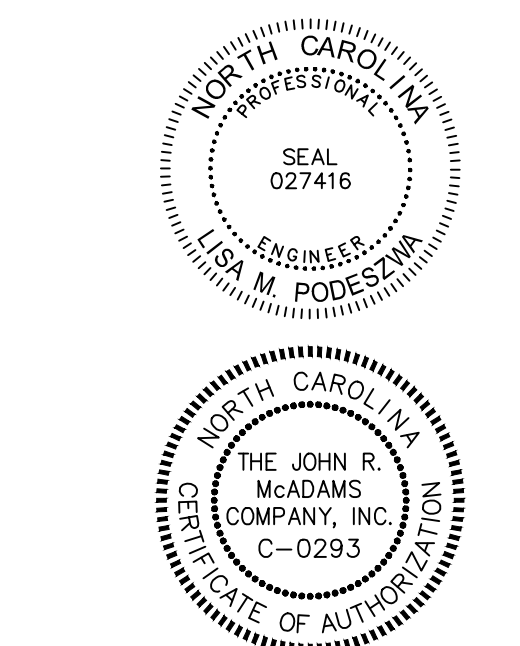
**DOWNTOWN NORTH AT
KNIGHTDALE STATION
OFFSITE ROADWAY PLAN
PHASE 1A**



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REVISIONS

NO. DATE

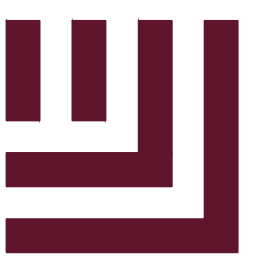
PLAN INFORMATION

PROJECT NO.
FILENAME
CHECKED BY LMP
DRAWN BY MJM
SCALE 1" = 5'
DATE 07-11-2024

CROSS SECTIONS
MAIN STREET
STA. 100+00 THRU STA. 101+00

C10.09

I:\Projects\AGNC\1002100204-Production\Engineering\Current Drawings\Offsite Roadway\Main Street Only\Offsite Roadway\1002100204-100+00.dwg, 7/11/2024 12:16:31 PM, Michale Jerome MacNaughton



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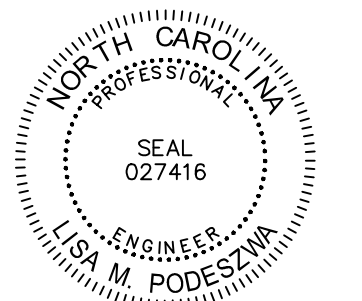
The John R. McAdams Company, Inc.
2905 Meridian Parkway
Durham, NC 27713

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**DOWNTOWN NORTH AT
KNIGHTDALE STATION
OFFSITE ROADWAY PLAN
PHASE 1A**



REVISIONS

NO. DATE

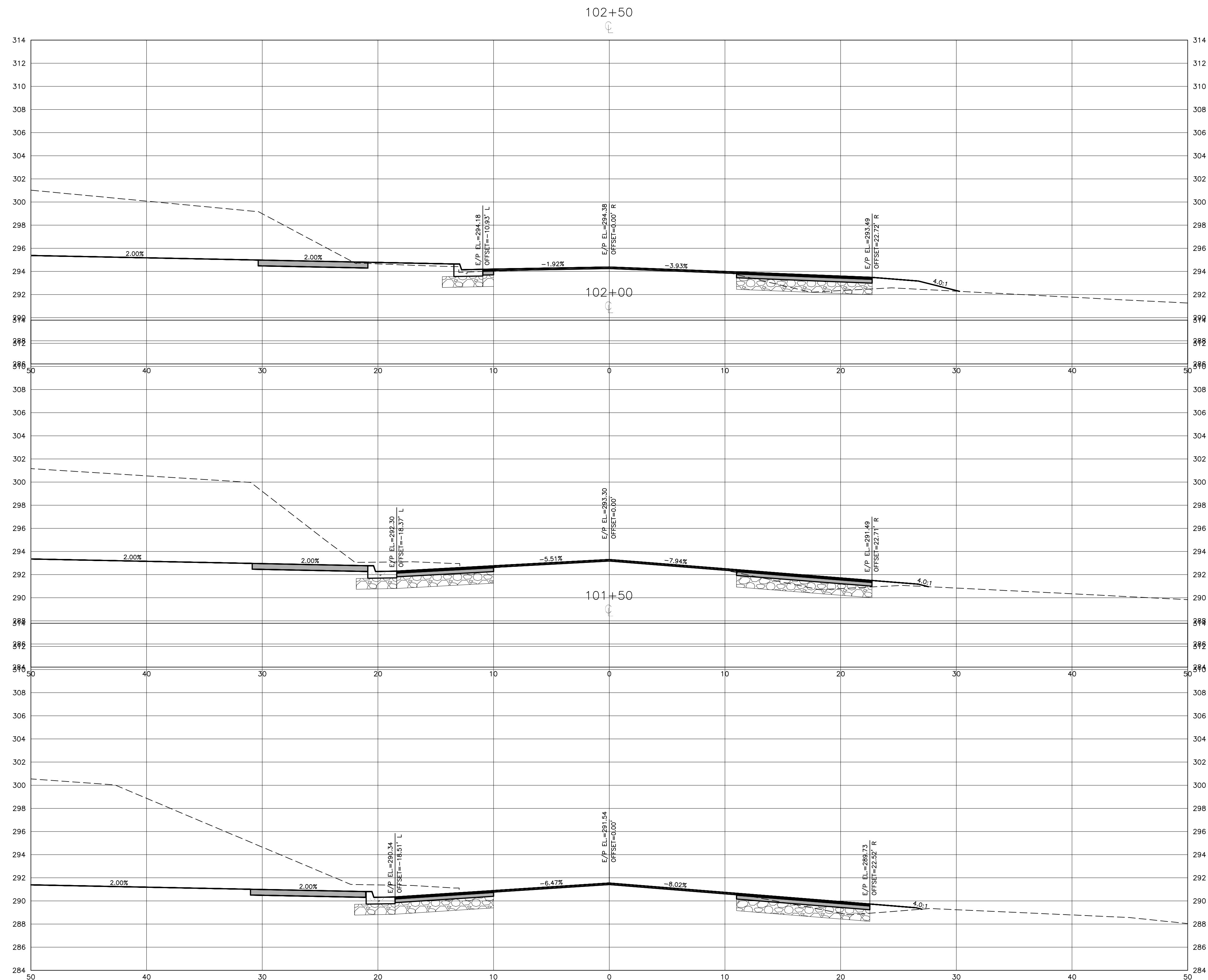
PLAN INFORMATION

PROJECT NO.
FILENAME
CHECKED BY LMP
DRAWN BY MJM
SCALE 1" = 5'
DATE 07-11-2024

SHEET

CROSS SECTIONS
MAIN STREET
STA. 101+50 THRU STA. 102+50

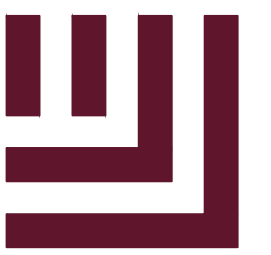
C10.10



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McADAMS

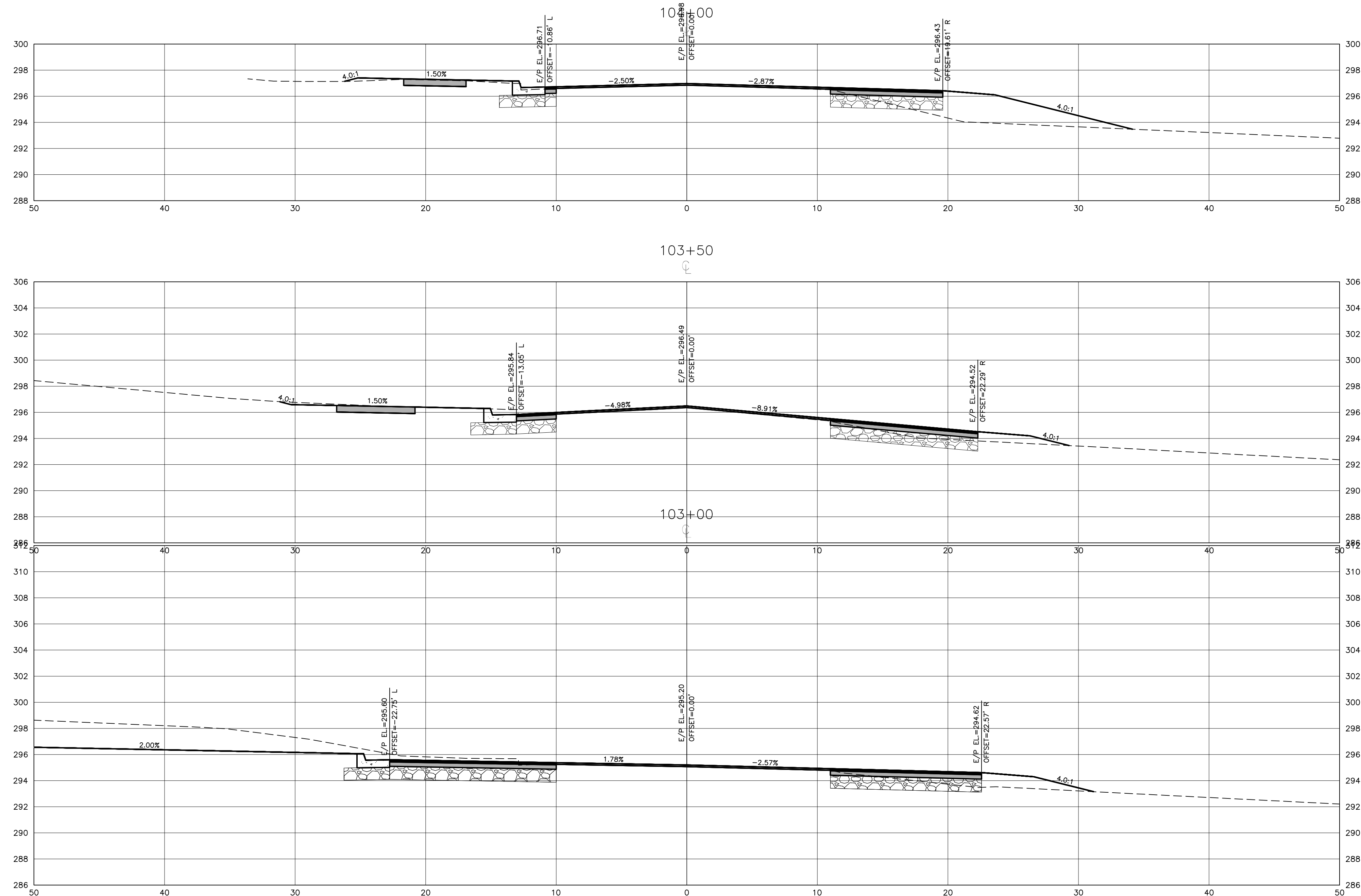
The John R. McAdams Company, Inc.
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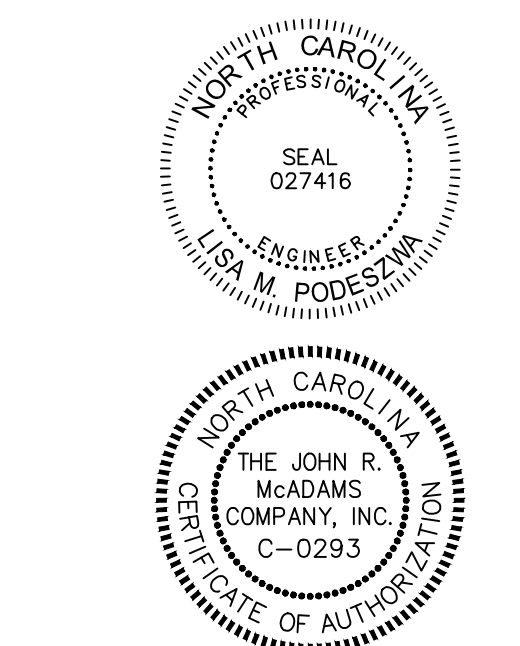
**DOWNTOWN NORTH AT
KNIGHTDALE STATION
OFFSITE ROADWAY PLAN
PHASE 1A**



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REVISIONS

NO.	DATE

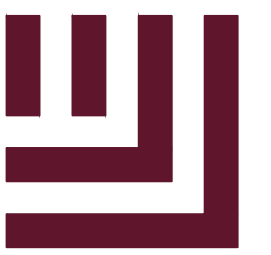
PLAN INFORMATION

PROJECT NO.
 FILENAME
 CHECKED BY LMP
 DRAWN BY MJM
 SCALE 1" = 5'
 DATE 07-11-2024

CROSS SECTIONS
 MAIN STREET
 STA. 103+00 THRU STA. 104+00

C10.11

I:\Projects\AGN\02102024-Production\Engineering\Current Drawings\Offsite Roadway\Main Street Only\Option A\02102024-02-11-16-40 PM_Michael Jerome MacNaughton



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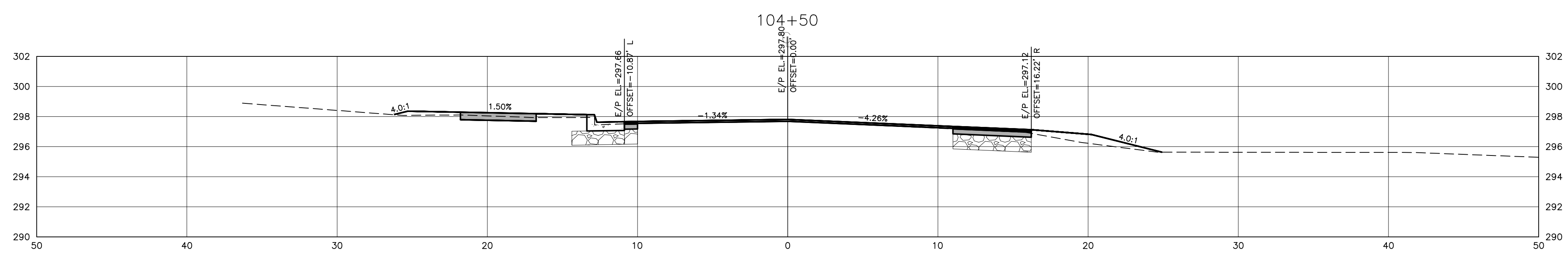
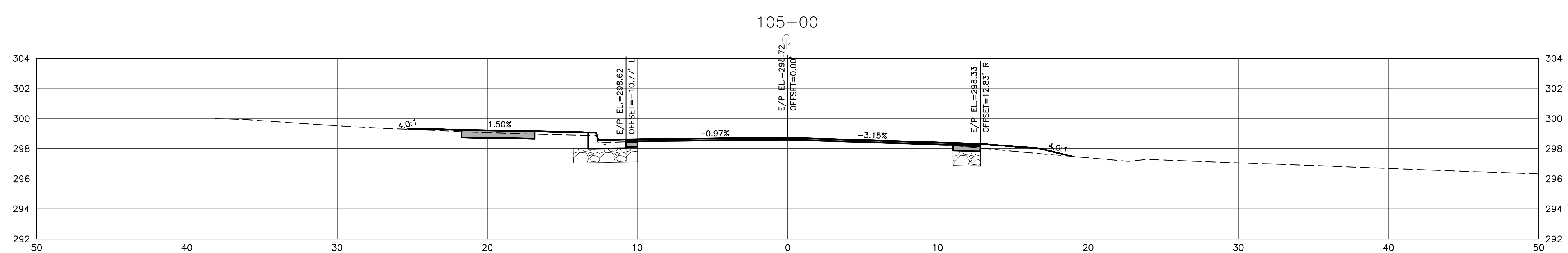
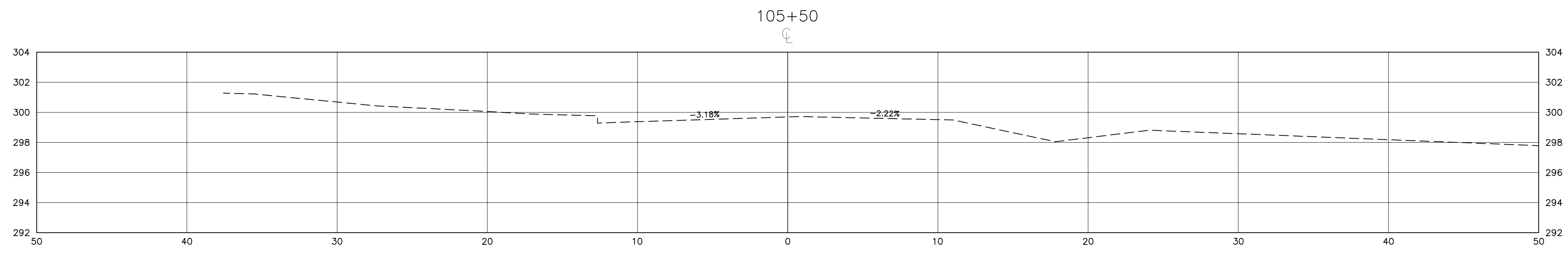
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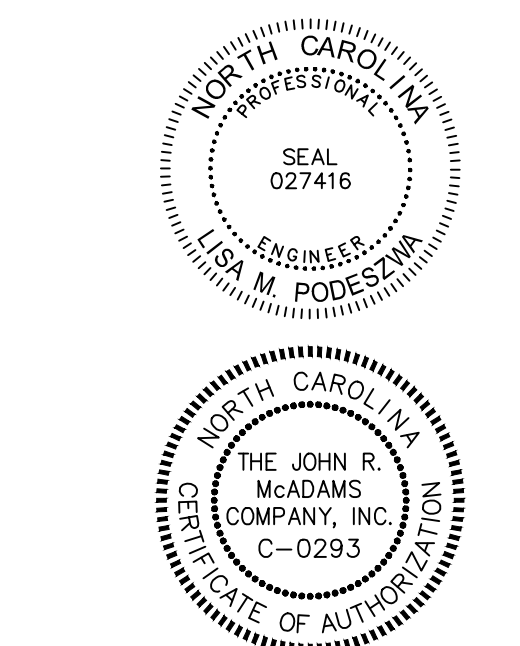
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REVISIONS

NO. DATE

PLAN INFORMATION

PROJECT NO.
FILENAME
CHECKED BY LMP
DRAWN BY MJM
SCALE 1" = 5'
DATE 07-11-2024

SHEET

CROSS SECTIONS
MAIN STREET
STA. 104+50 THRU STA. 105+50

C10.12

I:\Projects\AGN\02102024\Production\Engineering\Current Drawings\Offsite Roadway\Main Street Only\02102024\DWG\SS2.dwg, 7/11/2024 12:16:45 PM, Michale Jerome MacNaughton