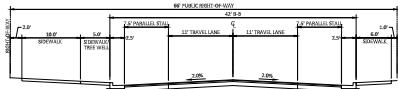


CLIENT

ALLIANCE GROUP OF NC, LLC
7208 FALLS OF NEUSE RD, SUITE 101
RALEIGH, NORTH CAROLINA 27615
JACOB ANDERSON
PHONE: 919.239.9485



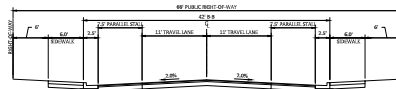
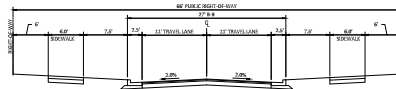
**DOWNTOWN NORTH AT
KNIGHTDALE STATION
CONSTRUCTION DRAWINGS - PHASE 2
N SMITHFIELD ROAD
KNIGHTDALE, NORTH CAROLINA**



30' STANDARD CURB AND GUTTER
4" CONCRETE SIDEWALK
10" CONCRETE SIDEWALK
POSTED SPEED 25 MPH
PARALLEL PARKING WITHIN STALLS

**TYPICAL SECTION
SYCAMORE STREET
(66' R/W, 27/44' B-B)**

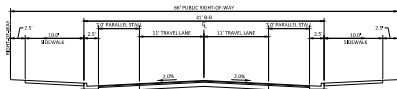
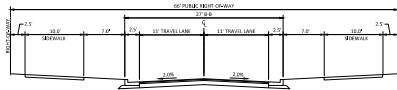
PAVEMENT SECTION - BENCH STREET SECTION
1.5" ASPHALT SURFACE COURSE
8" C&G



30' STANDARD CURB AND GUTTER
4" CONCRETE SIDEWALK
10" CONCRETE SIDEWALK
POSTED SPEED 25 MPH
PARALLEL PARKING WITHIN STALLS

**TYPICAL SECTION
SECOND AVENUE, THIRD AVENUE, POPLAR STREET
(66' R/W, 27/42' B-B)**

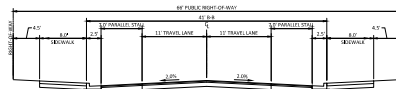
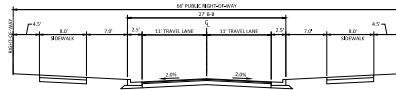
PAVEMENT SECTION - BENCH STREET SECTION
1.5" ASPHALT SURFACE COURSE
8" C&G



30' STANDARD CURB AND GUTTER
4" CONCRETE SIDEWALK
10" CONCRETE SIDEWALK
POSTED SPEED 25 MPH
PARALLEL PARKING WITHIN STALLS

**TYPICAL SECTION
KNIGHTDALE STATION RUN
FOURTH AVENUE (HWY 64 TO 100' POWER ESMT)
(66' R/W, 27/41' B-B)**

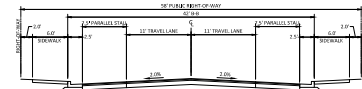
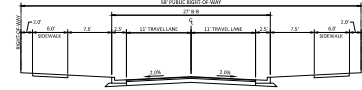
PAVEMENT SECTION - BENCH STREET SECTION
1.5" ASPHALT SURFACE COURSE
8" C&G



30' STANDARD CURB AND GUTTER
4" CONCRETE SIDEWALK
10" CONCRETE SIDEWALK
POSTED SPEED 25 MPH
PARALLEL PARKING WITHIN STALLS

**TYPICAL SECTION
FOURTH AVENUE (100' POWER ESMT TO OAKWOOD ST)
(66' R/W, 27/41' B-B)**

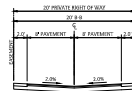
PAVEMENT SECTION - BENCH STREET SECTION
1.5" ASPHALT SURFACE COURSE
8" C&G



30' STANDARD CURB AND GUTTER
4" CONCRETE SIDEWALK
10" CONCRETE SIDEWALK
POSTED SPEED 25 MPH
PARALLEL PARKING WITHIN STALLS

**TYPICAL SECTION
SECOND AVENUE
THIRD AVENUE
FIFTH AVENUE
POPLAR STREET
WILLOW STREET
(66' R/W, 27/42' B-B)**

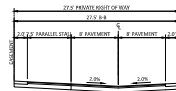
PAVEMENT SECTION - BENCH STREET SECTION
1.5" ASPHALT SURFACE COURSE
8" C&G



1" GUTTER
POSTED SPEED 15 MPH

**TYPICAL SECTION
PRIVATE ALLEY
11, 14, 16, 18-29
(20' PVT R/W, 20' B-B)**

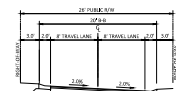
PAVEMENT SECTION
2.5" 56% ASPHALT COURSE
8" C&G



1" GUTTER
POSTED SPEED 15 MPH

**TYPICAL SECTION
PRIVATE ALLEY
11, 16
(27.5' PVT R/W, 27.5' B-B)**

PAVEMENT SECTION
2.5" 56% ASPHALT COURSE
8" C&G



2" VALLEY CURB AND GUTTER
POSTED SPEED 15 MPH

**TYPICAL SECTION
PUBLIC ALLEY
12, 13, 15
(26' R/W, 20' B-B)**

PAVEMENT SECTION
2.5" 56% ASPHALT COURSE
8" C&G



REVISIONS

NO.	DATE
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PLAN INFORMATION

PROJECT NO. AGN-21002
FILENAME AGN21002-P2-TS1
CHECKED BY JCM / TEP
DRAWN BY RAD / RJF
SCALE N.T.S.
DATE 10.13.2023
SHEET

TYPICAL SECTIONS

C0.02

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING,
STORM DRAINAGE AND UTILITY NOTES.

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

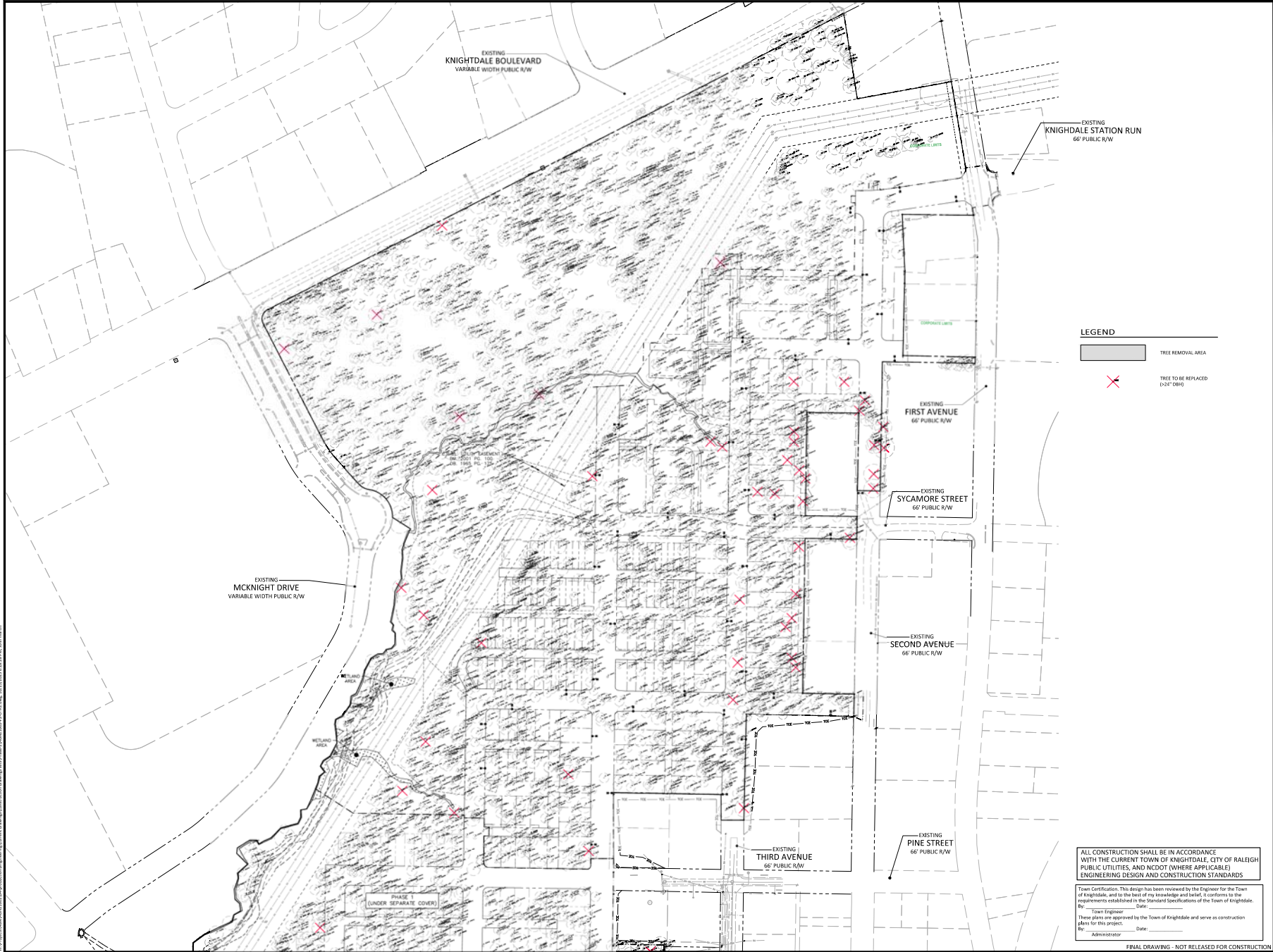
Town Certification: This design has been reviewed by the Engineer for the Town of Knightdale, and to the best of my knowledge and belief, it conforms to the requirements established in the Standard Specifications of the Town of Knightdale, NC.

Town Engineer: _____ Date: _____
Administrator: _____

PAVEMENT SECTION NOTE:

PAVEMENT SECTIONS SHOWN ARE FROM TOWN OF KNIGHTDALE STANDARD DETAILS. CONTRACTOR TO VERIFY PAVEMENT SECTIONS WITH GEOTECHNICAL REPORT. IF PAVEMENT SECTIONS IN THE GEOTECHNICAL REPORT DIFFER FROM THE PAVEMENT SECTION SHOWN ON THESE PLANS, CONTRACTOR TO USE THE GREATER OF THE TWO SECTIONS.

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION




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**DOWNTOWN NORTH AT
 KNIGHTDALE STATION
 CONSTRUCTION DRAWINGS - PHASE 2
 N SMITHFIELD ROAD
 KNIGHTDALE, NORTH CAROLINA**



REVISIONS

NO.	DATE
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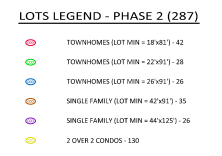
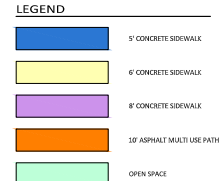
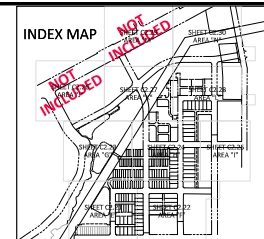
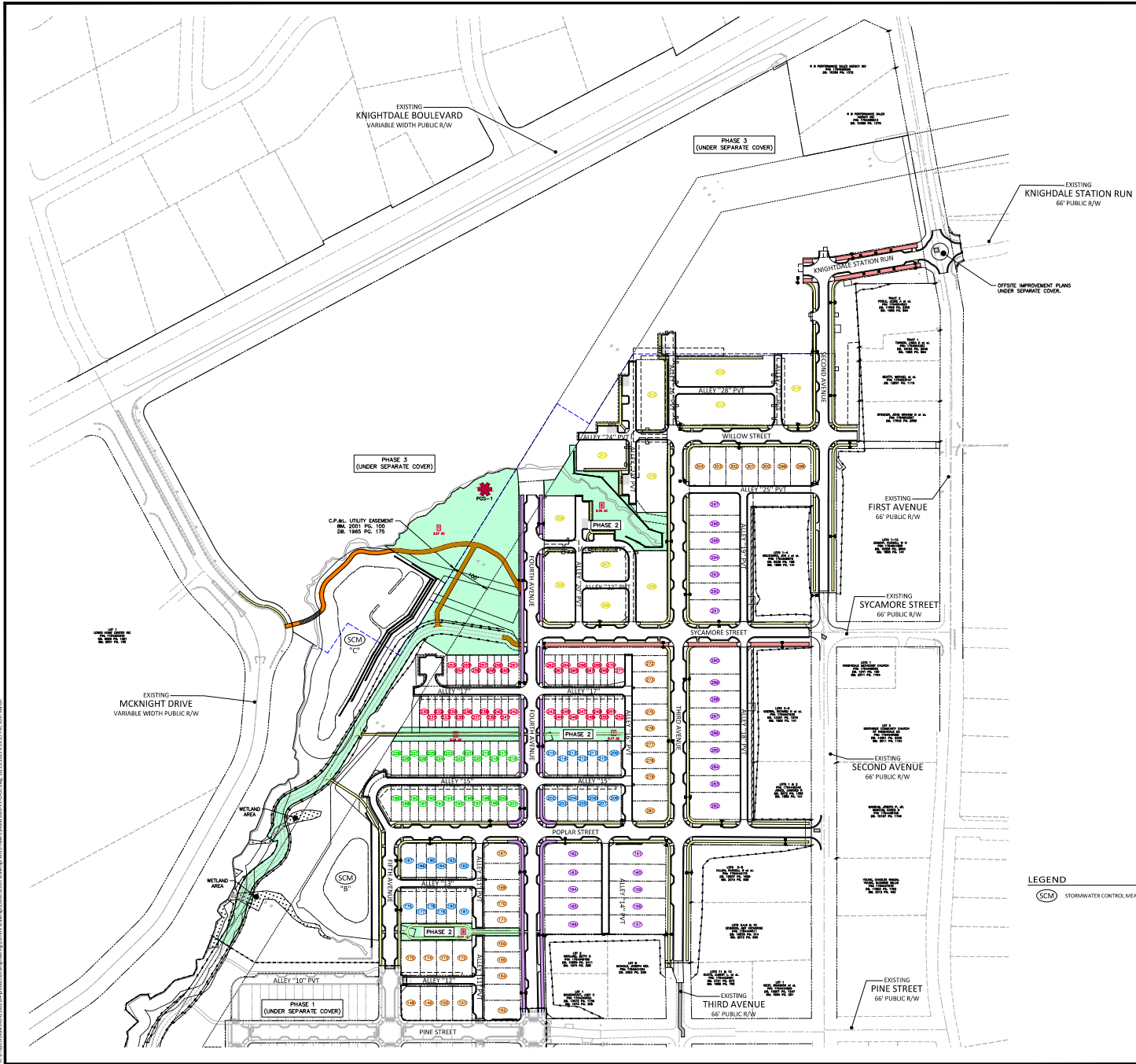
PLAN INFORMATION

PROJECT NO.	AGN-21002
FILENAME	AGN21002-P2-OTR1
CHECKED BY	JCM / TEP
DRAWN BY	MRC / LRS / RAD
SCALE	1"=120'
DATE	10.13.2023

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

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, NC.
 Town Engineer: _____ Date: _____
 These plans are approved by the Town of Knightdale and serve as construction plans for this project.
 By: _____ Administrator

**OVERALL TREE
 REMOVAL PLAN
 C1.02**



OPEN SPACE PROGRAMMING			
PROGRAMMED SPACE	MINIMUM LAND AREA USE	MINIMUM FEATURE COUNT	AREA PROVIDED IN PHASE 1 (SQ)
OPEN SPACE #1	198,000	10	12,345,78,10,11
OPEN SPACE #2	10,000	6	1,2,3,4,10,11
OPEN SPACE #3	25,000	5	1,2,3,4,10
OPEN SPACE #4	30,000	5	1,2,3,4,10
OPEN SPACE #5	33,500	9	1,2,3,4,10,11,15,16,19
OPEN SPACE #6	19,000	8	1,2,3,4,7,8,10,11
OPEN SPACE #7	7,000	4	1,3,4,8
OPEN SPACE #8	11,500	7	1,2,3,4,8,10,14,20
OPEN SPACE #9	10,000	7	1,2,3,4,8,10,14,20
OPEN SPACE #10	14,000	7	1,3,4,8,10,14,20
OPEN SPACE #11	13,000	7	1,2,3,4,8,10,14,20
OPEN SPACE #12	12,500	7	1,2,3,4,8,10,14,20
OPEN SPACE #13	14,000	7	1,2,3,4,8,10,14,20
OPEN SPACE #14	2,500	0	1,2,3,4,8
OPEN SPACE #15	10,000	N/A	---
OPEN SPACE #16	4,500	N/A	---
OPEN SPACE #17	10,000	N/A	---
OPEN SPACE #18	2,000	N/A	---
TOTAL	436,000		TOTAL 304,710
	10.00 AC		2.02 AC 4.69 AC

- LIST OF QUALIFYING FEATURES
- DIRECT ACCESS TO PUBLIC SIDEWALK OR GREENWAY
 - PLACEMENT / DIRECTIONAL SIGNAGE
 - INTERNAL PEDESTRIAN WALKWAYS AT LEAST 6' WIDE
 - NEW SPACE TREES (OR PRESENTATION OF EXISTING)
 - MOVABLE TABLES AND CHAIRS OR SEATING WALLS
 - BENCHES
 - AMPHITHEATERS
 - FIRE PIT OR GRILLING STATIONS
 - ENHANCED LANDSCAPING OR GREEN INFRASTRUCTURE
 - SCULPTURES OR OTHER PUBLIC ART FEATURES (MIN. 2 OVERALL)
 - WASTE RECEPTACLES (LANDFILL & MIXED RECYCLING)
 - WATER PLAY AREA
 - COMMUNITY GARDEN
 - PET PLAY AREA (WITH 4 FT ENCLOSURE & WASTE RECEPTACLES)
 - HARDSCAPE / LANDSCAPE SQUARE (DECK/PATIO PEDESTRIAN GATHERING SPACE)
 - COVERED PRALLION (MIN. 3 OVERALL)
 - WATER PLAY AREA
 - PLAY AREA/PLAYGROUND WITH STRUCTURES, FIXTURES, OR EQUIPMENT
 - PLAY LAMB/PLAY FIELD/SPORT FIELD
 - POOL/POOL MEMBERS (MIN. 1 OVERALL)
 - PEDESTRIAN SCALE AND/OR CELEBRATORY LIGHTING
 - TRANSIT STOP WITH SHELTER
 - OTHER FEATURES AS APPROVED BY THE ADMINISTRATOR



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, NC.

Town Engineer: _____ Date: _____

Administrator: _____ Date: _____

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JACOB ANDERSON
PHONE: 919.239.9486



**DOWNTOWN NORTH AT
KNIGHTDALE STATION
CONSTRUCTION DRAWINGS - PHASE 2**
N SMITHFIELD ROAD
KNIGHTDALE, NORTH CAROLINA



REVISIONS

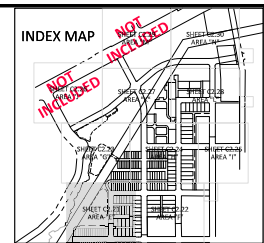
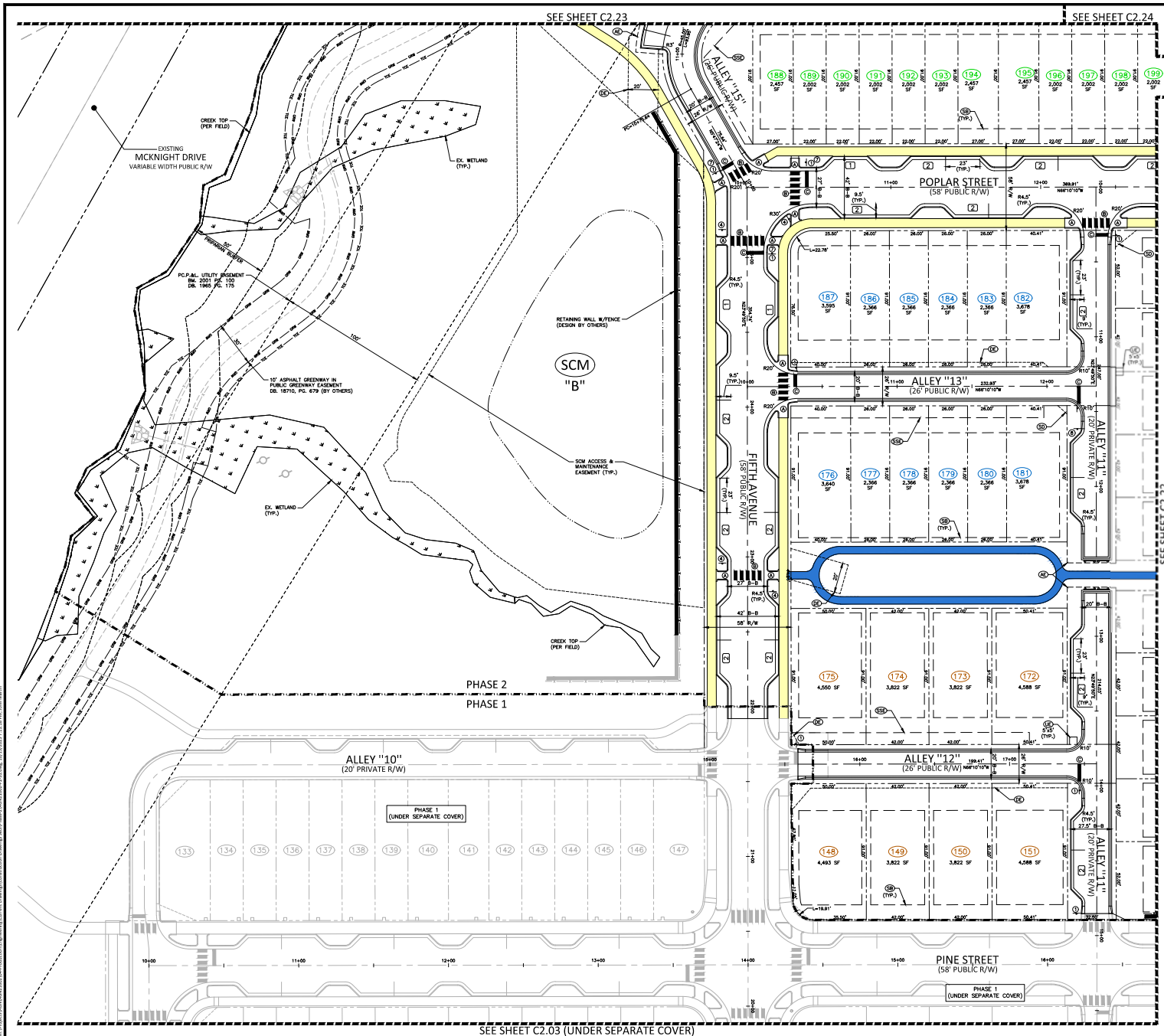
NO.	DATE
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PLAN INFORMATION

PROJECT NO.: AGN-21002
FILENAME: AGN21002-P2-OAS1
CHECKED BY: JCM / TEP
DRAWN BY: MRC / LRS / RAD
SCALE: 1"=120'
DATE: 10.13.2023

SHEET

OVERALL SITE PLAN
C2.20



SITE LEGEND

---	PROPERTY LINE
- - -	RIGHT-OF-WAY LINE
---	LOT LINE
---	CENTRELINE
---	5' CONCRETE SIDEWALK
---	6' CONCRETE SIDEWALK
---	8' CONCRETE SIDEWALK
---	10' CONCRETE SIDEWALK
---	30' ASPHALT MULTI-USE PATH

SIGNAGE LEGEND

STOP	STOP (R1-1)
ALL WAY	ALL WAY (R1-3P)
YIELD	YIELD (R1-2)
SPEED LIMIT 25	SPEED LIMIT (R2-1)
PEDESTRIAN CROSSING	PEDESTRIAN CROSSING (W11-2 WITH W16-3P)
TRAFFIC CIRCLE	TRAFFIC CIRCLE (W2-6 WITH W16-17P)
ONE WAY	ONE WAY (R6-4)
ROAD END	ROAD END (W14-1)

EASEMENT LEGEND

---	PUBLIC STORM DRAINAGE EASEMENT
---	PRIVATE STORM DRAINAGE EASEMENT
---	CITY OF RALEIGH WATERLINE EASEMENT
---	CITY OF RALEIGH SANITARY SEWER EASEMENT
---	PUBLIC ACCESS EASEMENT
---	SETBACKS
---	RETAINING WALL EASEMENT
---	TEMPORARY CONSTRUCTION EASEMENT

KEY LEGEND

---	CURB RAMP
---	HIGH VISIBILITY CROSSWALK
---	34" STOP SIGN

LOTS LEGEND - PHASE 2 (287)

---	TOWNHOMES (LOT MIN = 18'x31') - 42
---	TOWNHOMES (LOT MIN = 22'x31') - 28
---	TOWNHOMES (LOT MIN = 26'x31') - 26
---	SINGLE FAMILY (LOT MIN = 42'x31') - 35
---	SINGLE FAMILY (LOT MIN = 44'x31') - 26
---	2 OVER 2 CONDOS - 130

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES.

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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, NC.

Date: _____

Town Engineer: _____

Administrator: _____

FINAL DRAWINGS - NOT RELEASED FOR CONSTRUCTION

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DOWNTOWN NORTH AT KNIGHTDALE STATION CONSTRUCTION DRAWINGS - PHASE 2
N SMITHFIELD ROAD
KNIGHTDALE, NORTH CAROLINA

TYLER E. PROFFITT
No. 10000
STATE OF NORTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER

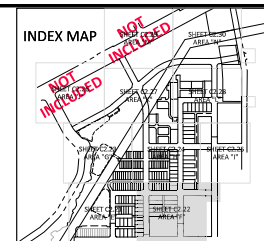
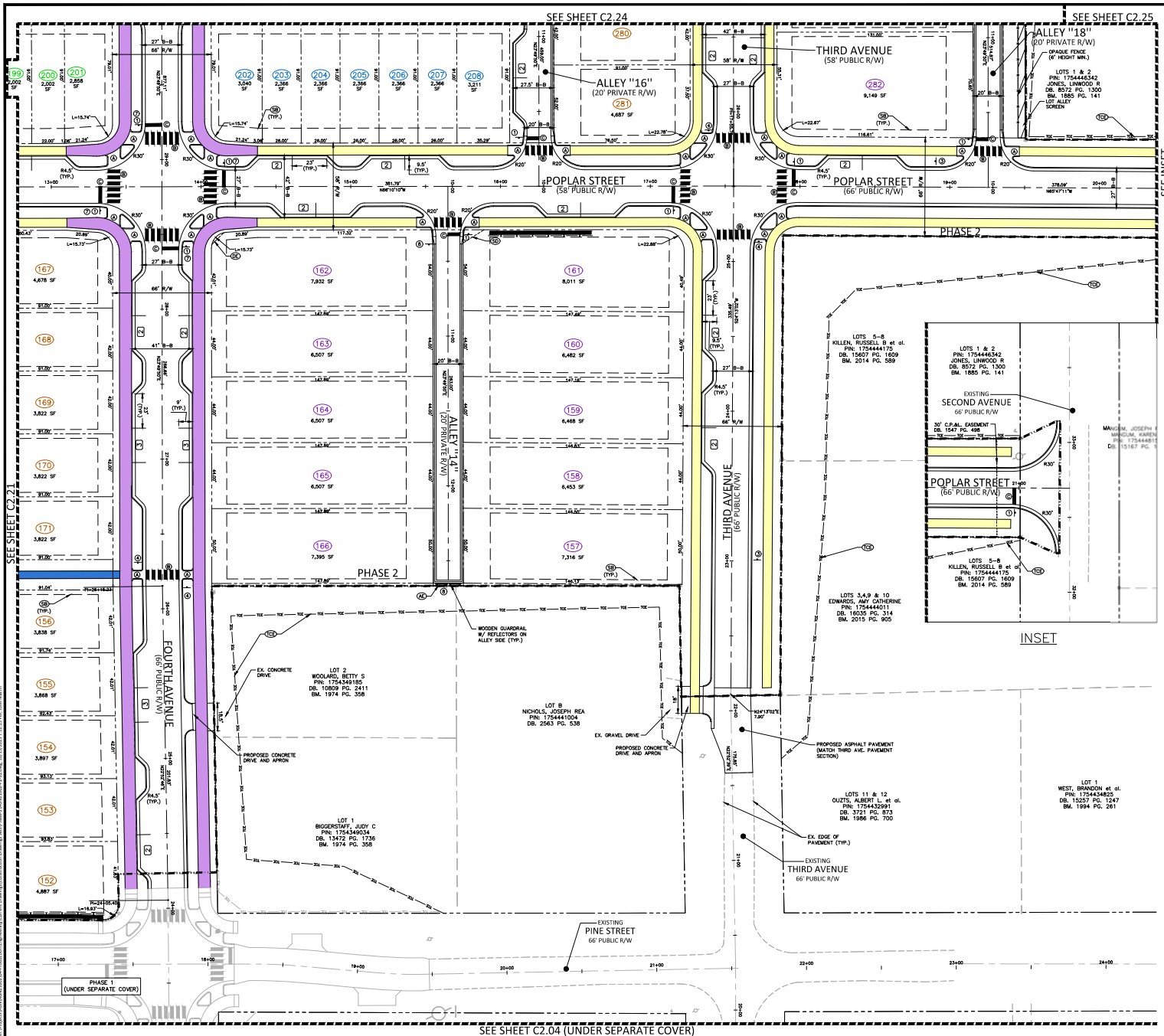
REVISIONS

NO.	DATE
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PLAN INFORMATION

PROJECT NO.	AGN-21002
FILENAME	AGN21002-P2-51
CHECKED BY	JCM / TEP
DRAWN BY	MRC / LRS / RAD
SCALE	1" = 30'
DATE	10.13.2023

SITE PLAN - AREA "E"
C2.21



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**DOWNTOWN NORTH AT
 KNIGHTDALE STATION
 CONSTRUCTION DRAWINGS - PHASE 2
 N SMITHFIELD ROAD
 KNIGHTDALE, NORTH CAROLINA**

SITE LEGEND

---	PROPERTY LINE
---	RIGHT-OF-WAY LINE
---	LOT LINE
---	CENTRELINE
---	5' CONCRETE SIDEWALK
---	6' CONCRETE SIDEWALK
---	8' CONCRETE SIDEWALK
---	10' CONCRETE SIDEWALK
---	30' ASPHALT MULTI-USE PATH

SIGNAGE LEGEND

STOP	STOP (R1-1)	PEDESTRIAN CROSSING	PEDESTRIAN CROSSING (W11-2 WITH W16-7P)
ALL WAY	ALL WAY (R11-3P)	TRAFFIC CIRCLE	TRAFFIC CIRCLE (W2-6 WITH W16-17P)
YIELD	YIELD (R11-2)	ONE WAY	ONE WAY (R6-4)
SPEED LIMIT	SPEED LIMIT (P2-1)	DEAD END	DEAD END (W14-1)

EASEMENT LEGEND

---	PUBLIC STORM DRAINAGE EASEMENT	---	CURB RAMP
---	PRIVATE STORM DRAINAGE EASEMENT	---	HIGH VISIBILITY CROSSWALK
---	CITY OF RALEIGH SANITARY SEWER EASEMENT	---	24" STOP SIGN
---	RETAINING WALL EASEMENT	---	TEMPORARY CONSTRUCTION EASEMENT

KEY LEGEND

---	WOODEN GUARDRAIL W/ REFLECTORS ON ALLEY USE (TYP.)
---	EX. CONCRETE DRIVE
---	PROPOSED CONCRETE DRIVE AND APRON
---	EX. GRAVEL DRIVE
---	PROPOSED ASPHALT PAVEMENT (MATCH THIRD AVE. PAVEMENT SECTION)
---	EX. EDGE OF PAVEMENT (TYP.)
---	EXISTING THIRD AVENUE 66' PUBLIC R/W

LOTS LEGEND - PHASE 2 (287)

---	TOWNHOMES (LOT MIN = 18'x31) - 42
---	TOWNHOMES (LOT MIN = 22'x31) - 28
---	TOWNHOMES (LOT MIN = 26'x31) - 26
---	SINGLE FAMILY (LOT MIN = 42'x31) - 35
---	SINGLE FAMILY (LOT MIN = 44'x31) - 26
---	2 OVER 2 CONDOS - 130

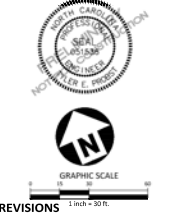
SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES.

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION



REVISIONS

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PLAN INFORMATION

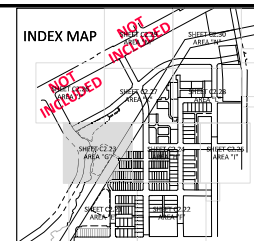
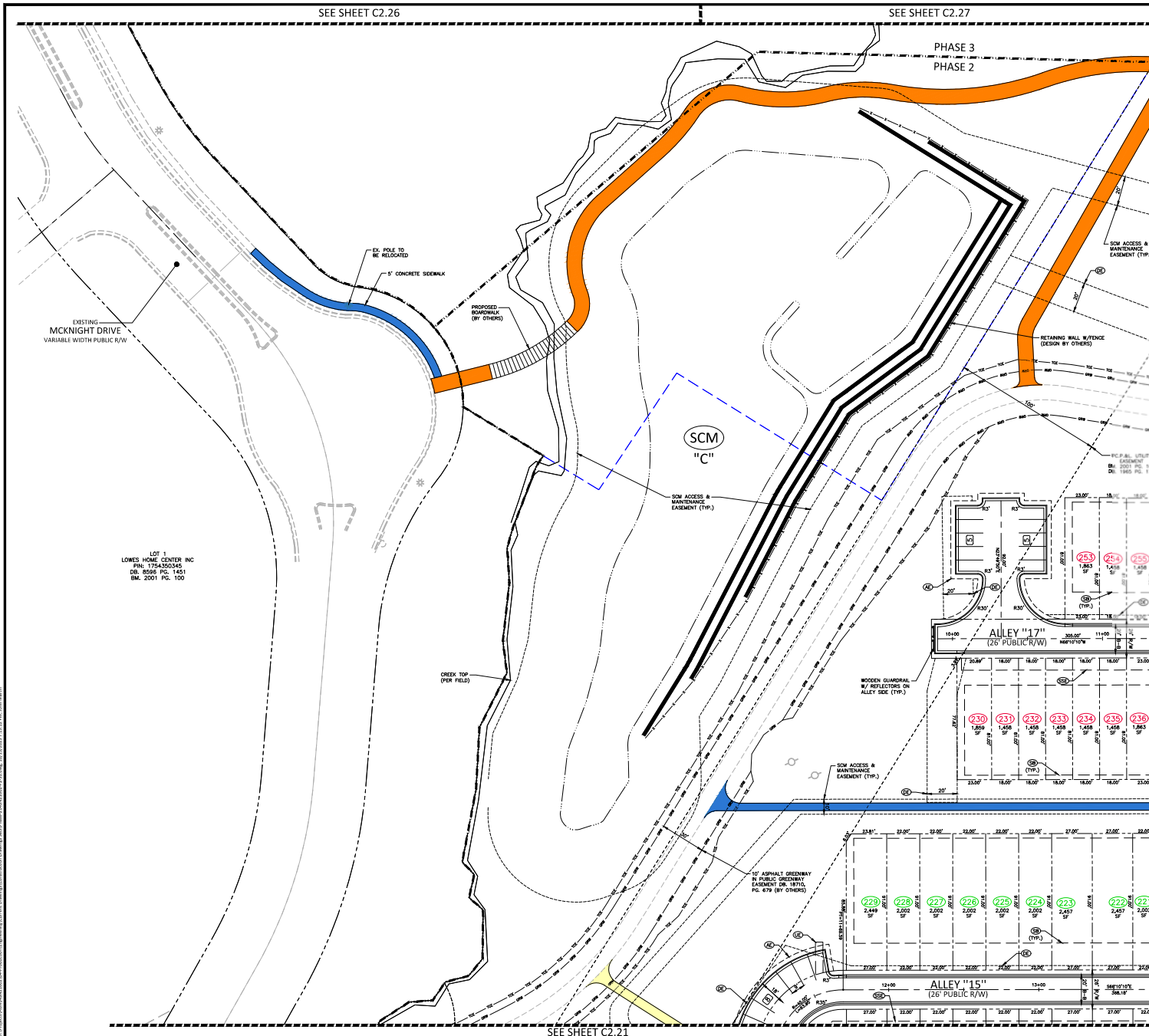
PROJECT NO.: AGN-21002
 FILENAME: AGN21002-P2-51
 CHECKED BY: JCM / TEP
 DRAWN BY: MRC / LRS / RAD
 SCALE: 1" = 30'
 DATE: 10.13.2023

SITE PLAN - AREA "F"

C2.22

SEE SHEET C2.26

SEE SHEET C2.27



SITE LEGEND

---	PROPERTY LINE
---	RIGHT-OF-WAY LINE
---	LOT LINE
---	CENTRELINE
---	5' CONCRETE SIDEWALK
---	6' CONCRETE SIDEWALK
---	8' CONCRETE SIDEWALK
---	10' CONCRETE SIDEWALK
---	10' ASPHALT MULTI-USE PATH

SIGNAGE LEGEND

STOP (R1-1)	PEDESTRIAN CROSSING (W11-2 WITH W16-3P)
ALL WAY (R1-3P)	TRAFFIC CIRCLE (W2-5 WITH W16-17P)
YIELD (R1-2) (W6-3P)	ONE WAY (R6-4)
SPEED LIMIT (P2-1)	ROAD END (W14-1)
STOP SIGN	
YIELD SIGN	
SPEED LIMIT SIGN	
ONE WAY SIGN	
ROAD END SIGN	

EASEMENT LEGEND

---	PUBLIC STORM DRAINAGE EASEMENT
---	PRIVATE STORM DRAINAGE EASEMENT
---	CITY OF RALEIGH WATERLINE EASEMENT
---	CITY OF RALEIGH SANITARY SEWER EASEMENT
---	PUBLIC ACCESS EASEMENT
---	SETBACKS
---	RETAINING WALL EASEMENT
---	TEMPORARY CONSTRUCTION EASEMENT

KEY LEGEND

---	CURB RAMP
---	HIGH VISIBILITY CROSSING
---	24" STOP SIGN

LOTS LEGEND - PHASE 2 (287)

---	TOWNHOMES (LOT MIN = 18'x81') - 42
---	TOWNHOMES (LOT MIN = 22'x93') - 28
---	TOWNHOMES (LOT MIN = 26'x93') - 26
---	SINGLE FAMILY (LOT MIN = 42'x93') - 35
---	SINGLE FAMILY (LOT MIN = 44'x125') - 26
---	2 OVER 2 CONDOS - 130

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Town Engineer: _____ Date: _____
 Administrator: _____

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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 Durham, NC 27713
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 fax 919.361.2269
 license number: C-0299, C-187
 www.mcadamsco.com

CLIENT
 ALLIANCE GROUP OF NC, LLC
 7208 FALLS OF NEUSE RD, SUITE 101
 RALEIGH, NORTH CAROLINA 27615
 JACOB ANDERSON
 PHONE: 919.239.9486



**DOWNTOWN NORTH AT
 KNIGHTDALE STATION
 CONSTRUCTION DRAWINGS - PHASE 2
 N SMITHFIELD ROAD
 KNIGHTDALE, NORTH CAROLINA**

GRAPHIC SCALE
 1 inch = 30 feet

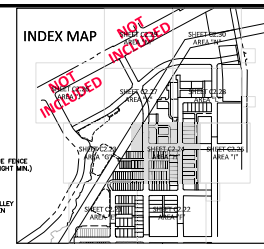
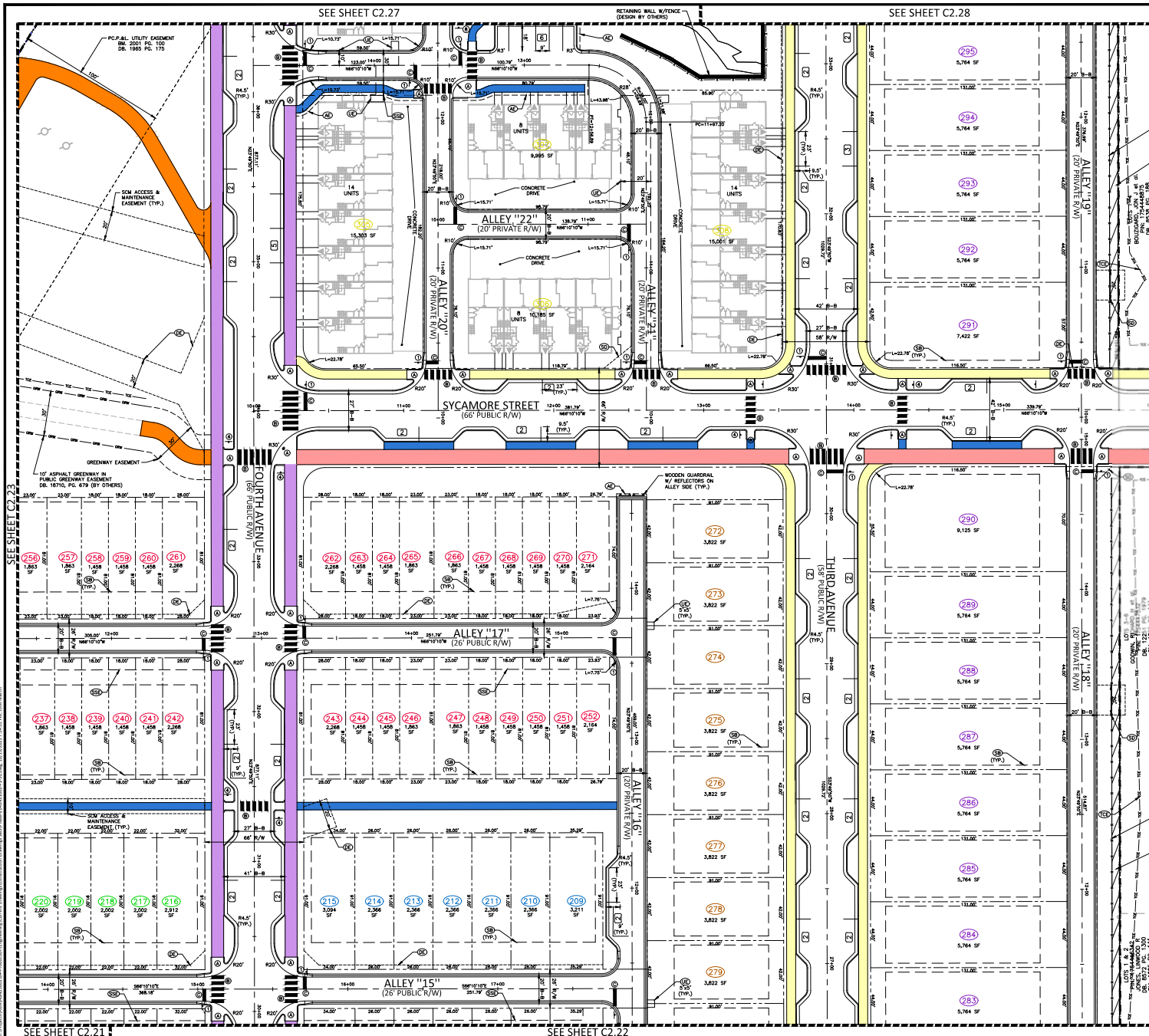
REVISIONS

NO.	DATE
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PLAN INFORMATION

PROJECT NO.	AGN-21002
FILENAME	AGN21002-P2-S1
CHECKED BY	JCM / TEP
DRAWN BY	MRC / LRS / RAD
SCALE	1" = 30'
DATE	10.13.2023

SITE PLAN - AREA "G"
C2.23



SITE LEGEND

---	PROPERTY LINE
---	RIGHT-OF-WAY LINE
---	LOT LINE
---	CENTRELINE
---	5' CONCRETE SIDEWALK
---	6' CONCRETE SIDEWALK
---	8' CONCRETE SIDEWALK
---	10' CONCRETE SIDEWALK
---	30' ASPHALT MULTI-USE PATH

SIGNAGE LEGEND

STOP	STOP (R1-1)	PEDESTRIAN CROSSING (W11-2 WITH W16-3P)
ALL WAY	ALL WAY (R1-3P)	TRAFFIC CIRCLE (W2-5 WITH W16-3P)
YIELD	YIELD (R1-2)	ONE WAY (R6-4)
SPEED LIMIT 25	SPEED LIMIT (P2-1)	DEAD END (W14-1)

EASEMENT LEGEND

---	PUBLIC STORM DRAINAGE EASEMENT	---	CURB RAMP
---	PRIVATE STORM DRAINAGE EASEMENT	---	HIGH VISIBILITY CROSSWALK
---	CITY OF RALEIGH WATERLINE EASEMENT	---	34" STOP SIGN
---	CITY OF RALEIGH SANITARY SEWER EASEMENT	---	
---	SEWERBACKS	---	
---	RETAINING WALL EASEMENT	---	
---	TEMPORARY CONSTRUCTION EASEMENT	---	

KEY LEGEND

---	CONCRETE DRIVE
---	WOODEN GUARDRAIL W/ REFLECTORS ON ALLEY SIDE (TYP.)

LOTS LEGEND - PHASE 2 (287)

---	TOWNHOMES (LOT MIN = 18'x31') - 42
---	TOWNHOMES (LOT MIN = 22'x31') - 28
---	TOWNHOMES (LOT MIN = 26'x31') - 26
---	SINGLE FAMILY (LOT MIN = 42'x31') - 35
---	SINGLE FAMILY (LOT MIN = 44'x25') - 26
---	2 OVER 2 CONDOS - 130

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**DOWNTOWN NORTH AT
 KNIGHTDALE STATION
 CONSTRUCTION DRAWINGS - PHASE 2
 N SMITHFIELD ROAD
 KNIGHTDALE, NORTH CAROLINA**

GRAPHIC SCALE
 1 inch = 30 ft.

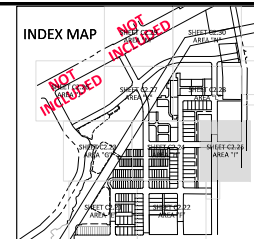
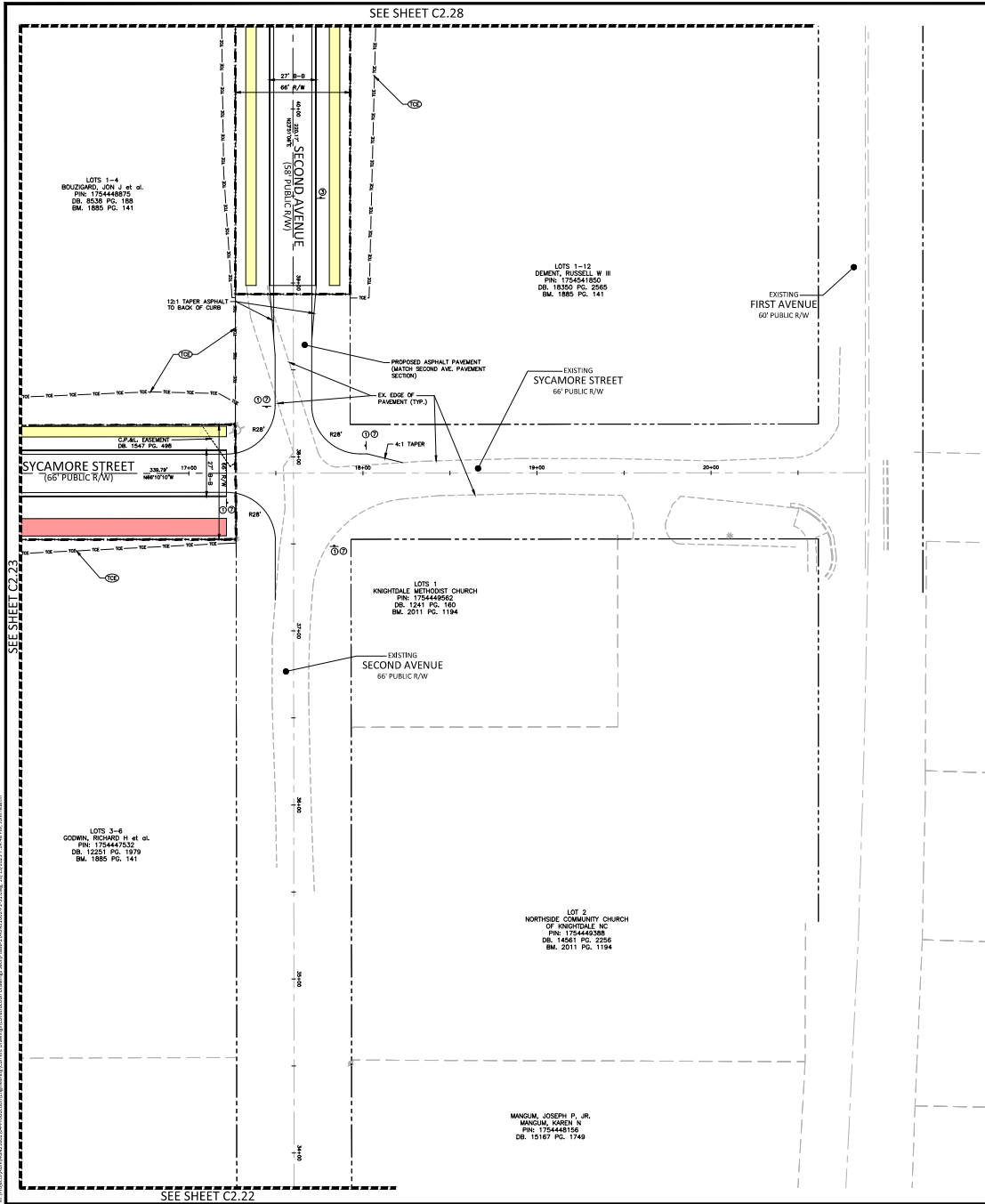
REVISIONS

NO.	DATE
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PLAN INFORMATION

PROJECT NO.	AGN-21002
FILENAME	AGN21002-P2-51
CHECKED BY	JCM / TEP
DRAWN BY	MJC / LRS / RAD
SCALE	1" = 30'
DATE	10.13.2023

**SITE PLAN - AREA "H"
 C2.24**



SITE LEGEND

---	PROPERTY LINE
---	RIGHT-OF-WAY LINE
---	LOT LINE
---	CENTRELINE
■	5' CONCRETE SIDEWALK
■	6' CONCRETE SIDEWALK
■	8' CONCRETE SIDEWALK
■	10' CONCRETE SIDEWALK
■	30' ASPHALT MULTI-USE PATH

SIGNAGE LEGEND

STOP (R1-1)	PEDESTRIAN CROSSING (W11-2 WITH W16-2P)
ALL WAY (R1-3P)	TRAFFIC CIRCLE (W2-6 WITH W16-11P)
YIELD (R1-3)	PROBATION
ALL WAY (R1-3P)	ONE WAY (R6-4)
SPEED LIMIT (R2-1)	DEAD END (R14-1)

EASEMENT LEGEND

⊙	PUBLIC STORM DRAINAGE EASEMENT	⊙	CURB RAMP
⊙	PRIVATE STORM DRAINAGE EASEMENT	⊙	HIGH VISIBILITY CROSSWALK
⊙	CITY OF RALEIGH WATERLINE EASEMENT	⊙	24" STOP SIGN
⊙	CITY OF RALEIGH SANITARY SEWER EASEMENT		
⊙	PUBLIC ACCESS EASEMENT		
⊙	SETBACKS		
⊙	RETAINING WALL EASEMENT		
⊙	TEMPORARY CONSTRUCTION EASEMENT		

LOTS LEGEND - PHASE 2 (287)

⊙	TOWNHOMES (LOT MIN = 18'x81') - 42
⊙	TOWNHOMES (LOT MIN = 22'x93') - 28
⊙	TOWNHOMES (LOT MIN = 26'x93') - 26
⊙	SINGLE FAMILY (LOT MIN = 42'x93') - 35
⊙	SINGLE FAMILY (LOT MIN = 44'x125') - 26
⊙	2 OVER 2 CONDOS - 130

KEY LEGEND

⊙	CURB RAMP
⊙	HIGH VISIBILITY CROSSWALK
⊙	24" STOP SIGN

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**DOWNTOWN NORTH AT
KNIGHTDALE STATION
CONSTRUCTION DRAWINGS - PHASE 2
N SMITHFIELD ROAD
KNIGHTDALE, NORTH CAROLINA**

NO. FILED & REGISTERED

GRAPHIC SCALE
1 inch = 30 ft.

REVISIONS

NO.	DATE
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PLAN INFORMATION

PROJECT NO.	AGN-21002
FILENAME	AGN21002-P2-S1
CHECKED BY	JCM / TEP
DRAWN BY	MRC / LRS / RAD
SCALE	1" = 30'
DATE	10.13.2023

SHEET

SITE PLAN - AREA "I"

C2.25

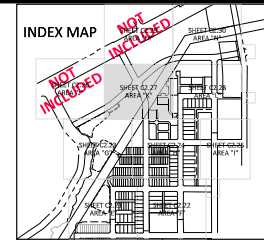
SEE SHEET C2.29

SEE SHEET C2.26

SEE SHEET C2.23

SEE SHEET C2.24

SEE SHEET C2.28



SITE LEGEND

---	PROPERTY LINE
---	RIGHT-OF-WAY LINE
---	LOT LINE
---	CENTRELINE
■	5' CONCRETE SIDEWALK
■	6' CONCRETE SIDEWALK
■	8' CONCRETE SIDEWALK
■	10' CONCRETE SIDEWALK
■	30' ASPHALT MULTI-USE PATH

SIGNAGE LEGEND

STOP	STOP (R1-1)	PEDESTRIAN CROSSING	PEDESTRIAN CROSSING (W11-2 WITH W16-7P)
ALL WAY	ALL WAY (R1-3P)	TRAFFIC CIRCLE	TRAFFIC CIRCLE (W2-5 WITH W16-17P)
YIELD	YIELD (R1-2) (W6-3P)	ONE WAY	ONE WAY (R6-4)
SPEED LIMIT	SPEED LIMIT (P2-1)	DEAD END	DEAD END (W14-1)

EASEMENT LEGEND

⊖	PUBLIC STORM DRAINAGE EASEMENT	⊖	CURB RAMP
⊖	PRIVATE STORM DRAINAGE EASEMENT	⊖	HIGH VISIBILITY CROSSING
⊖	CITY OF RALEIGH WATERLINE EASEMENT	⊖	24" STOP SIGN
⊖	CITY OF RALEIGH SANITARY SEWER EASEMENT		
⊖	PUBLIC ACCESS EASEMENT		
⊖	SETBACKS		
⊖	RETAINING WALL EASEMENT		
⊖	TEMPORARY CONSTRUCTION EASEMENT		

LOTS LEGEND - PHASE 2 (287)

⊖	TOWNHOMES (LOT MIN = 18'x31') - 42
⊖	TOWNHOMES (LOT MIN = 22'x31') - 28
⊖	TOWNHOMES (LOT MIN = 26'x31') - 26
⊖	SINGLE FAMILY (LOT MIN = 42'x31') - 35
⊖	SINGLE FAMILY (LOT MIN = 44'x32.5') - 26
⊖	2 OVER 2 CONDOS - 130

REVISIONS

NO.	DATE
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PLAN INFORMATION

PROJECT NO.: AGN-21002
 FILENAME: AGN21002-P2-S1
 CHECKED BY: JCM / TEP
 DRAWN BY: MRC / LRS / RAD
 SCALE: 1" = 30'
 DATE: 10.13.2023

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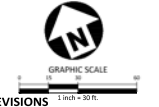
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DOWNTOWN NORTH AT KNIGHTDALE STATION CONSTRUCTION DRAWINGS - PHASE 2
 N SMITHFIELD ROAD
 KNIGHTDALE, NORTH CAROLINA



REVISIONS

NO.	DATE
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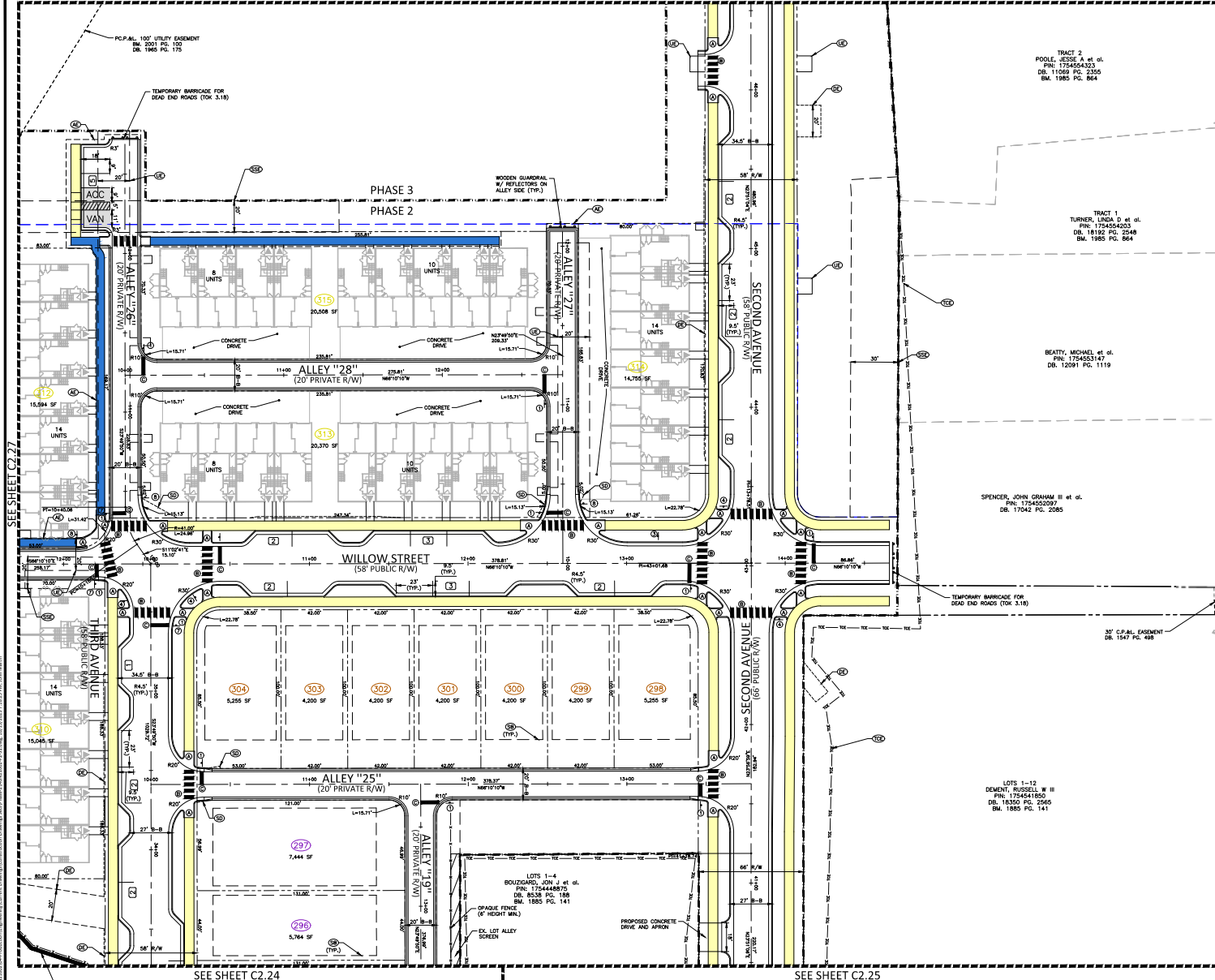
PLAN INFORMATION

PROJECT NO.: AGN-21002
 FILENAME: AGN21002-P2-S1
 CHECKED BY: JCM / TEP
 DRAWN BY: MRC / LRS / RAD
 SCALE: 1" = 30'
 DATE: 10.13.2023

SITE PLAN - AREA "K"

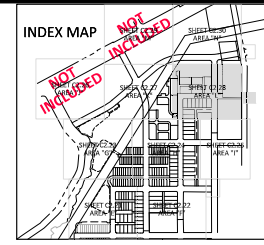
C2.27

SEE SHEET C2.30



SEE SHEET C2.24

SEE SHEET C2.25



SITE LEGEND

---	PROPERTY LINE
---	RIGHT-OF-WAY LINE
---	LOT LINE
---	CENTRELINE
5'	CONCRETE SIDEWALK
6'	CONCRETE SIDEWALK
8'	CONCRETE SIDEWALK
10'	CONCRETE SIDEWALK
30'	ASPHALT MULTI-USE PATH

SIGNAGE LEGEND

STOP (R1-1)	STOP (R1-1)	PEDESTRIAN CROSSING (W11-2 WITH W16-7P)
ALL WAY (R1-3P)	ALL WAY (R1-3P)	TRAFFIC CIRCLE (R2-6 WITH W16-17P)
YIELD (R1-2)	YIELD (R1-2)	ONE WAY (R6-4)
PUBLIC ACCESS GATEWAY	SPEED LIMIT (P2-1)	DEAD END (R14-1)
SPEED LIMIT 25		

EASEMENT LEGEND

⊗	PUBLIC STORM DRAINAGE EASEMENT	⊗	CURB RAMP
⊗	PRIVATE STORM DRAINAGE EASEMENT	⊗	HIGH VISIBILITY CROSSWALK
⊗	CITY OF RALEIGH WATERLINE EASEMENT	⊗	24" STOP SIGN
⊗	CITY OF RALEIGH SANITARY SEWER EASEMENT		
⊗	PUBLIC ACCESS GATEWAY		
⊗	SETBACKS		
⊗	RETAINING WALL EASEMENT		
⊗	TEMPORARY CONSTRUCTION EASEMENT		

LOTS LEGEND - PHASE 2 (287)

⊗	TOWNHOMES (LOT MIN = 18'x81') - 42
⊗	TOWNHOMES (LOT MIN = 22'x91') - 28
⊗	TOWNHOMES (LOT MIN = 26'x91') - 26
⊗	SINGLE FAMILY (LOT MIN = 42'x91') - 35
⊗	SINGLE FAMILY (LOT MIN = 44'x125') - 26
⊗	2 OVER 2 CONDOS - 130

LOTS 1-12
DEMENT, RUSSELL W III
PIN: 175441800
DB: 18350 PG. 2565
BM: 1885 PG. 141

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**DOWNTOWN NORTH AT
KNIGHTDALE STATION
CONSTRUCTION DRAWINGS - PHASE 2
N SMITHFIELD ROAD
KNIGHTDALE, NORTH CAROLINA**

NO. FILED & REGISTERED
NORTH CAROLINA
SEAL
NO. FILED & REGISTERED
NORTH CAROLINA
SEAL
GRAPHIC SCALE
1 inch = 30 ft.

REVISIONS

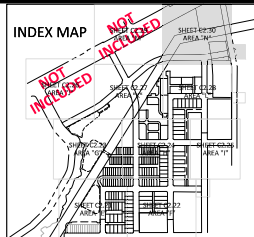
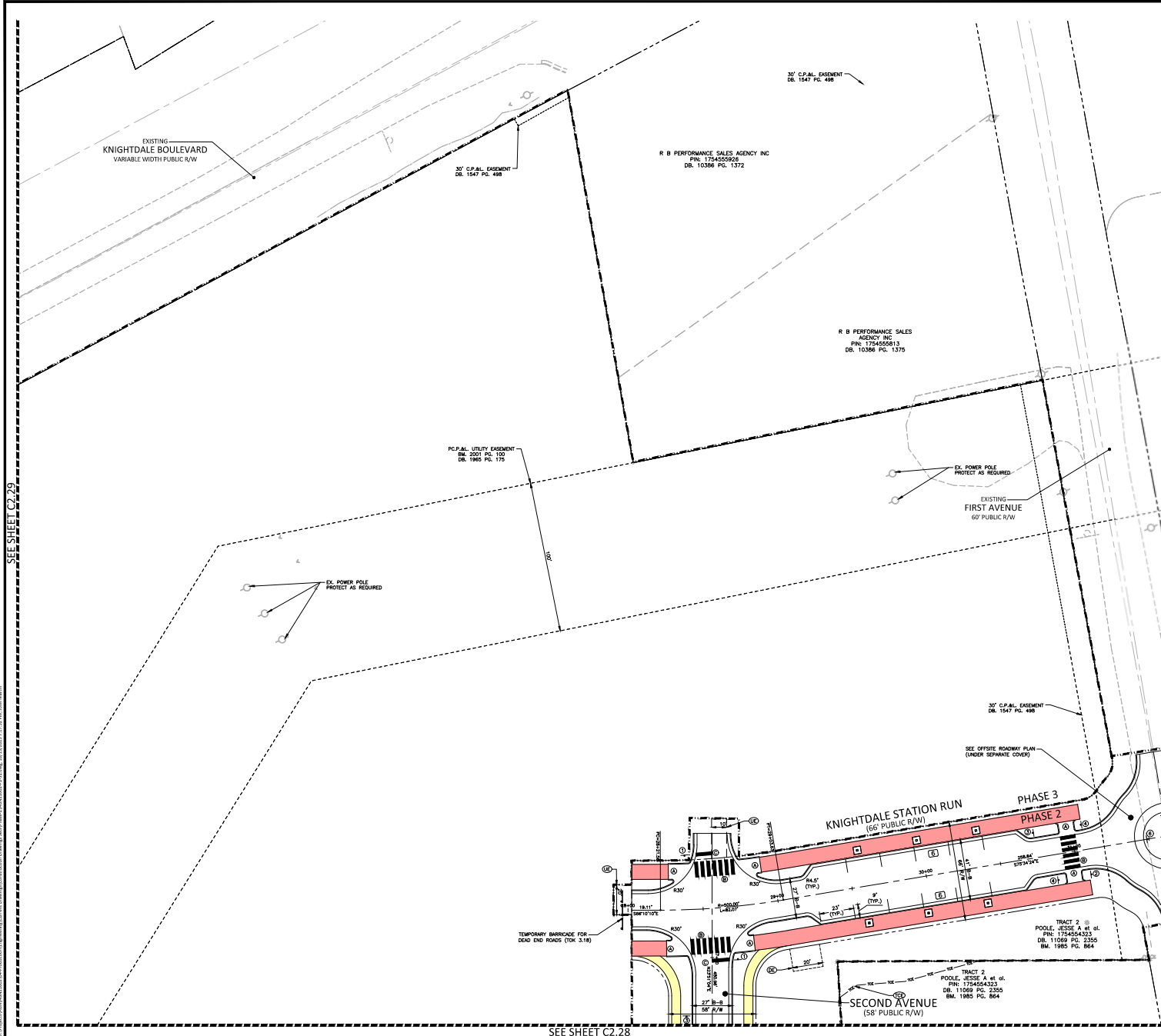
NO.	DATE
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PLAN INFORMATION

PROJECT NO: AGN-21002
FILENAME: AGN21002-P2-51
CHECKED BY: JCM / TEP
DRAWN BY: MRC / LRS / RAD
SCALE: 1" = 30'
DATE: 10.13.2023

SITE PLAN - AREA "1"

C2.28



SITE LEGEND

---	PROPERTY LINE
---	RIGHT-OF-WAY LINE
---	LOT LINE
---	CENTRELINE
---	5' CONCRETE SIDEWALK
---	6' CONCRETE SIDEWALK
---	8' CONCRETE SIDEWALK
---	10' CONCRETE SIDEWALK
---	30' ASPHALT MULTI-USE PATH

SIGNAGE LEGEND

STOP (R1-1)	STOP (R1-1)	PEDESTRIAN CROSSING (W15-2 WITH W16-7P)
ALL WAY (R1-3P)	ALL WAY (R1-3P)	TRAFFIC CIRCLE (W2-5 WITH W16-17P)
YIELD (R1-2)	YIELD (R1-2)	ONE WAY (R6-4)
SPEED LIMIT (P2-1)	SPEED LIMIT (P2-1)	DEAD END (W14-1)

EASEMENT LEGEND

⊙	PUBLIC STORM DRAINAGE EASEMENT	⊙	CURB RAMP
⊙	PRIVATE STORM DRAINAGE EASEMENT	⊙	HIGH VISIBILITY CROSSWALK
⊙	CITY OF RALEIGH WATERLINE EASEMENT	⊙	24" STOP SIGN
⊙	PUBLIC ACCESS EASEMENT		
⊙	SETBACKS		
⊙	RETAINING WALL EASEMENT		
⊙	TEMPORARY CONSTRUCTION EASEMENT		

LOTS LEGEND - PHASE 2 (287)

⊙	TOWNHOMES (LOT MIN = 16'x81') - 42
⊙	TOWNHOMES (LOT MIN = 22'x93') - 28
⊙	TOWNHOMES (LOT MIN = 26'x93') - 26
⊙	SINGLE FAMILY (LOT MIN = 42'x93') - 35
⊙	SINGLE FAMILY (LOT MIN = 44'x125') - 26
⊙	2 OVER 2 CONDOS - 130

KEY LEGEND

⊙	CURB RAMP
⊙	HIGH VISIBILITY CROSSWALK
⊙	24" STOP SIGN

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 CONSTRUCTION DRAWINGS - PHASE 2
 N SMITHFIELD ROAD
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GRAPHIC SCALE
 1 inch = 30 ft.

REVISIONS

NO.	DATE
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PLAN INFORMATION

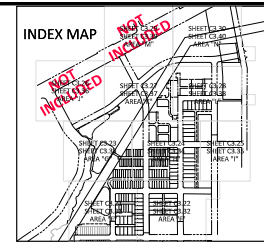
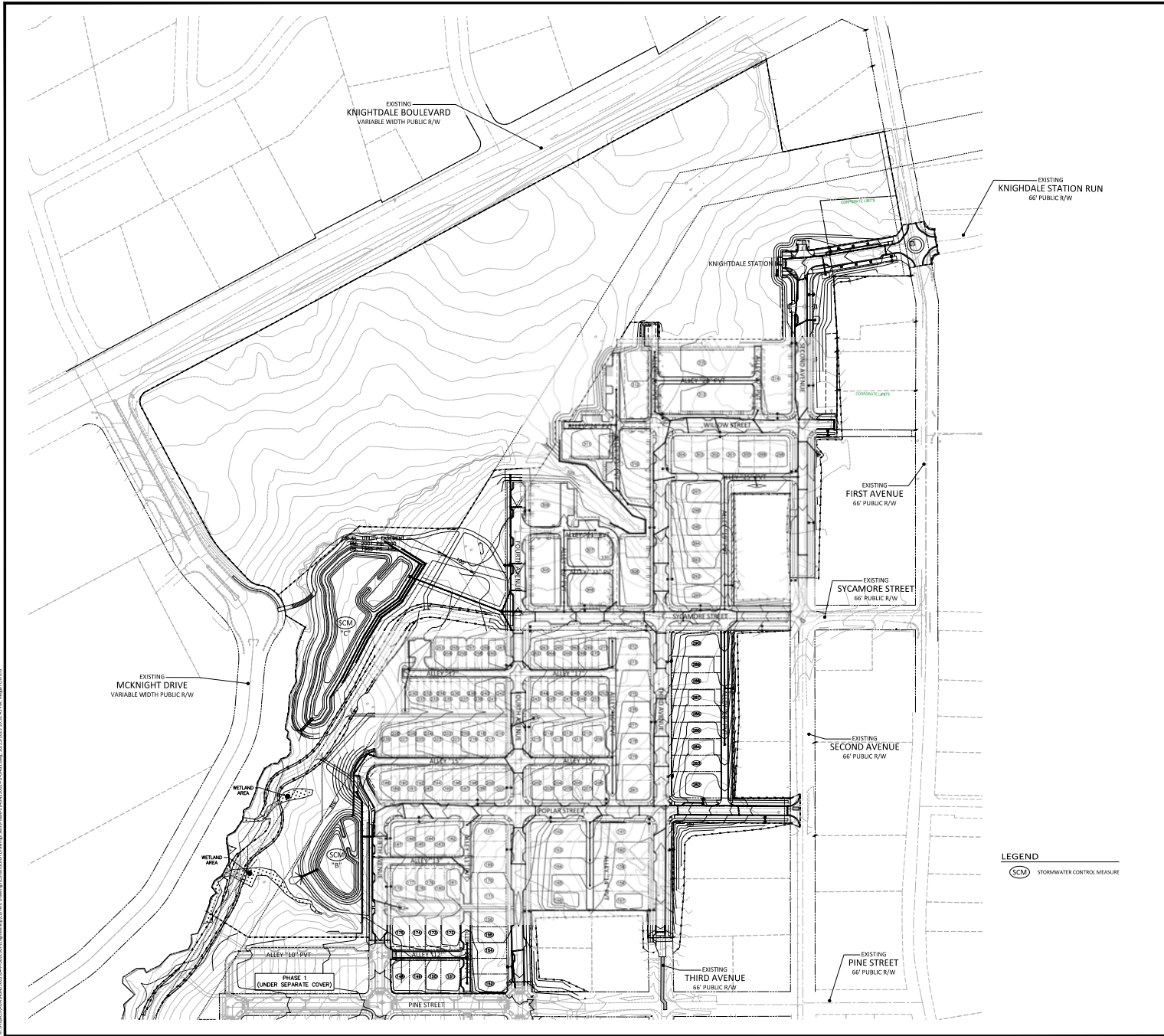
PROJECT NO: AGN-21002
 FILENAME: AGN21002-P2-S1
 CHECKED BY: JCM / TEP
 DRAWN BY: MRC / LRS / RAD
 SCALE: 1" = 30'
 DATE: 10.13.2023

SITE PLAN - AREA "N"

C2.30

SEE SHEET C2.29

SEE SHEET C2.28



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 CONSTRUCTION DRAWINGS - PHASE 2
 N SMITHFIELD ROAD
 KNIGHTDALE, NORTH CAROLINA**



REVISIONS

NO.	DATE
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PLAN INFORMATION

PROJECT NO: AGN-21002
 FILENAME: AGN21002-P2-0AG1
 CHECKED BY: JCM / TEP
 DRAWN BY: MRC / LRS / RAD
 SCALE: 1"=120'
 DATE: 10.13.2023

SHEET

**OVERALL GRADING &
 STORM DRAINAGE PLAN
 C3.20**

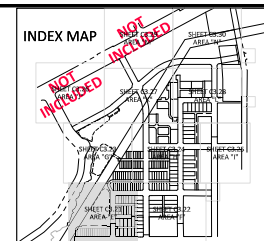
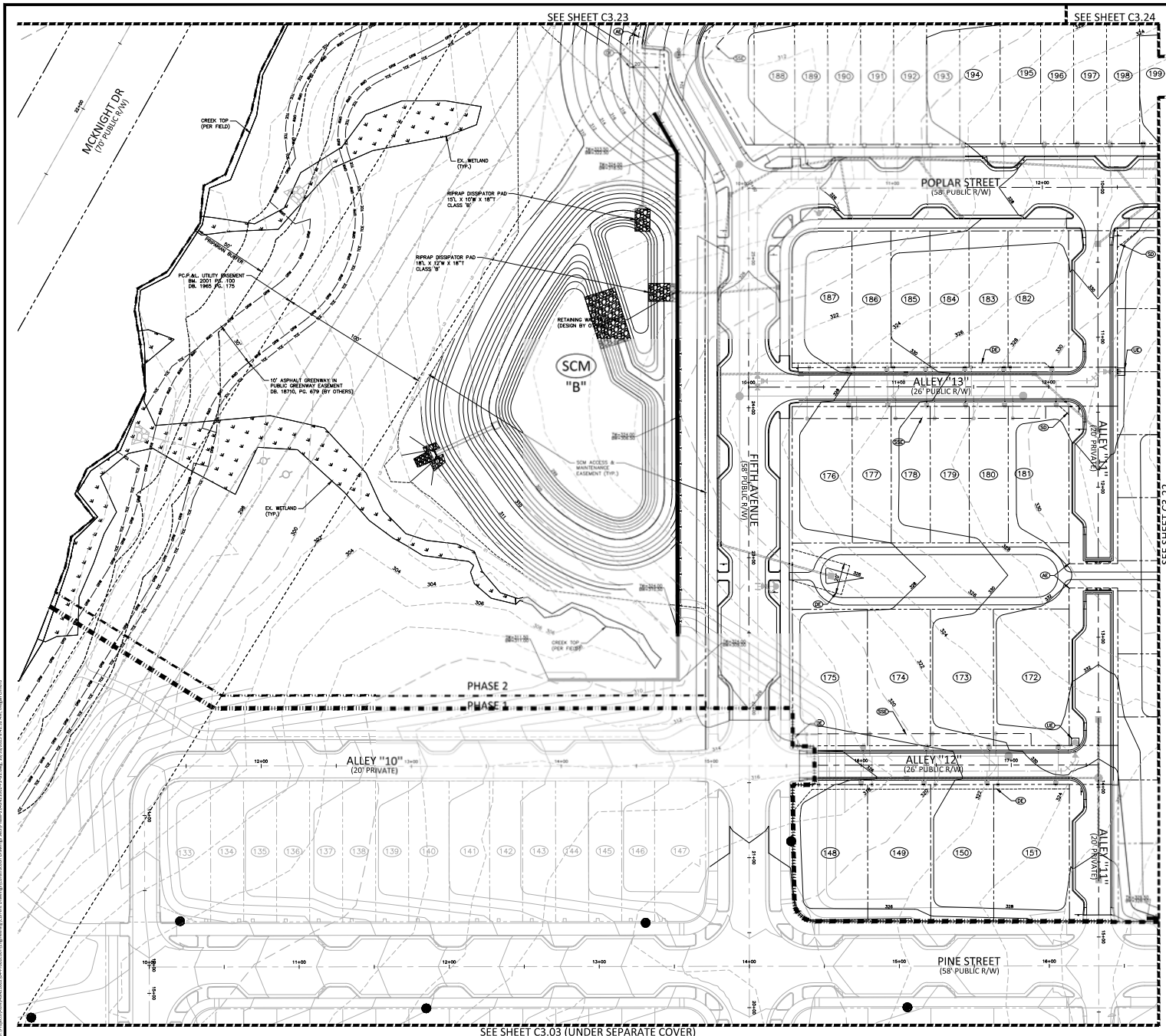
LEGEND
 (SCM) STORMWATER CONTROL MEASURE

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GRADING LEGEND

250	MAJOR CONTOUR
252	MINOR CONTOUR
250	EXISTING MAJOR CONTOUR
252	EXISTING MINOR CONTOUR
-	EXISTENCE LINE
250.50	TOP & BOTTOM CURB ELEVATIONS
250.00	TOP OF WALL ELEVATION
250.00	BOTTOM OF WALL ELEVATION
+ 250.60	SPOT ELEVATION

EASEMENT LEGEND

(PS)	PUBLIC STORM DRAINAGE EASEMENT
(PR)	PRIVATE STORM DRAINAGE EASEMENT
(CR)	CITY OF RALEIGH WATERLINE EASEMENT
(CS)	CITY OF RALEIGH SANITARY SEWER EASEMENT
(CA)	PUBLIC ACCESS EASEMENT
(SB)	SETBACKS
(RW)	RETAINING WALL EASEMENT
(TC)	TEMPORARY CONSTRUCTION EASEMENT

KEY LEGEND

(CR)	CURB RAMP
(H)	HIGH VISIBILITY CROSSWALK
(S)	34" STOP SIGN

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION

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City of Raleigh Development Approval: City of Raleigh Review Officer

SITE PERMITTING APPROVAL

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, Part 2.

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, Part 2.

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SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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

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.

Town Engineer: _____ Date: _____
 These plans are approved by the Town of Knightdale and serve as construction plans for this project.
 Administrator: _____ Date: _____

FINAL DRAWINGS - NOT RELEASED FOR CONSTRUCTION

McADAMS
 The John R. McAdams Company, Inc.
 2905 Meridian Parkway
 Durham, NC 27713
 phone 919.361.5000
 fax 919.361.2269
 license number: C-0299, C-187
 www.mcadamsco.com

CLIENT
 ALLIANCE GROUP OF NC, LLC
 7208 FALLS OF NEUSE RD, SUITE 101
 RALEIGH, NORTH CAROLINA 27615
 JACOB ANDERSON
 PHONE: 919.239.9486



DOWNTOWN NORTH AT KNIGHTDALE STATION CONSTRUCTION DRAWINGS - PHASE 2
 N SMITHFIELD ROAD
 KNIGHTDALE, NORTH CAROLINA

GRAPHIC SCALE
 1 inch = 30 feet

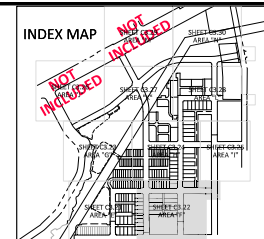
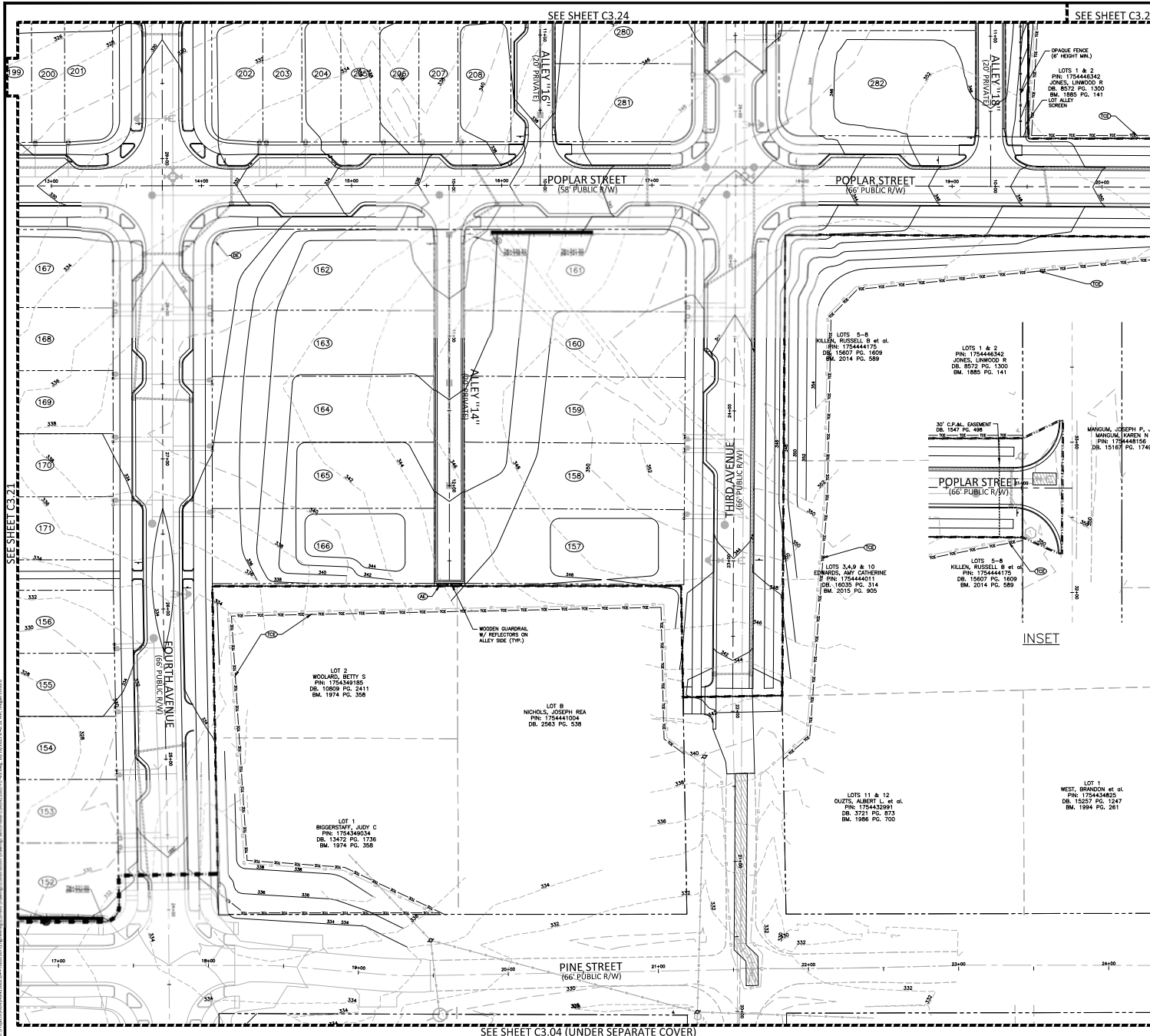
REVISIONS

NO.	DATE
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PLAN INFORMATION

PROJECT NO.	AGN-21002
FILENAME	AGN21002-P2-G1
CHECKED BY	JCM / TEP
DRAWN BY	MRC / LRS / RAD
SCALE	1" = 30'
DATE	10.13.2023

GRADING PLAN - AREA "E1"
C3.21



GRADING LEGEND

- 250 MAJOR CONTOUR
- 252 MINOR CONTOUR
- 250 EXISTING MAJOR CONTOUR
- 252 EXISTING MINOR CONTOUR
- EASEMENT LINE
- 250.50 TOP & BOTTOM CURB ELEVATIONS
- 250.00 TOP OF WALL ELEVATION
- 250.00 BOTTOM OF WALL ELEVATION (NOTE: BOTTOM OF WALL IS GROUND ELEVATION NOT WALL FOUNDATION)
- + 250.60 SPOT ELEVATION

EASEMENT LEGEND

- (P) PUBLIC STORM DRAINAGE EASEMENT
- (PS) PRIVATE STORM DRAINAGE EASEMENT
- (C) CITY OF RALEIGH WATERLINE SEWER EASEMENT
- (CS) CITY OF RALEIGH SANITARY SEWER EASEMENT
- (A) PUBLIC ACCESS EASEMENT
- (R) SETBACKS
- (RE) RETAINING WALL EASEMENT
- (TE) TEMPORARY CONSTRUCTION EASEMENT

KEY LEGEND

- (C) CURB RAMP
- (H) HIGH VISIBILITY CROSSWALK
- (S) 34" STOP SIGN

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION

Plans for the proposed work have been reviewed for general compliance with applicable codes. The limited review and authorization for construction is not to be considered to represent total compliance with all applicable codes and regulations. The property owner, design consultant, and contractor are each responsible for compliance with all applicable City, State and Federal laws. This specific authorization does not constitute 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.

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City of Raleigh Development Approval City of Raleigh Review Officer

SITE PERMITTING APPROVAL

Water and Sewer Permits (if applicable)

The City of Raleigh consents to the connection and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 5.

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Date: _____

Town Engineer: _____

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By: Administrator Date: _____

FINAL DRAWINGS - NOT RELEASED FOR CONSTRUCTION

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CLIENT

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RALEIGH, NORTH CAROLINA 27615
JACOB ANDERSON
PHONE: 919.239.9486



**DOWNTOWN NORTH AT
KNIGHTDALE STATION
CONSTRUCTION DRAWINGS - PHASE 2
N SMITHFIELD ROAD
KNIGHTDALE, NORTH CAROLINA**

GRAPHIC SCALE
1" = 30'

REVISIONS

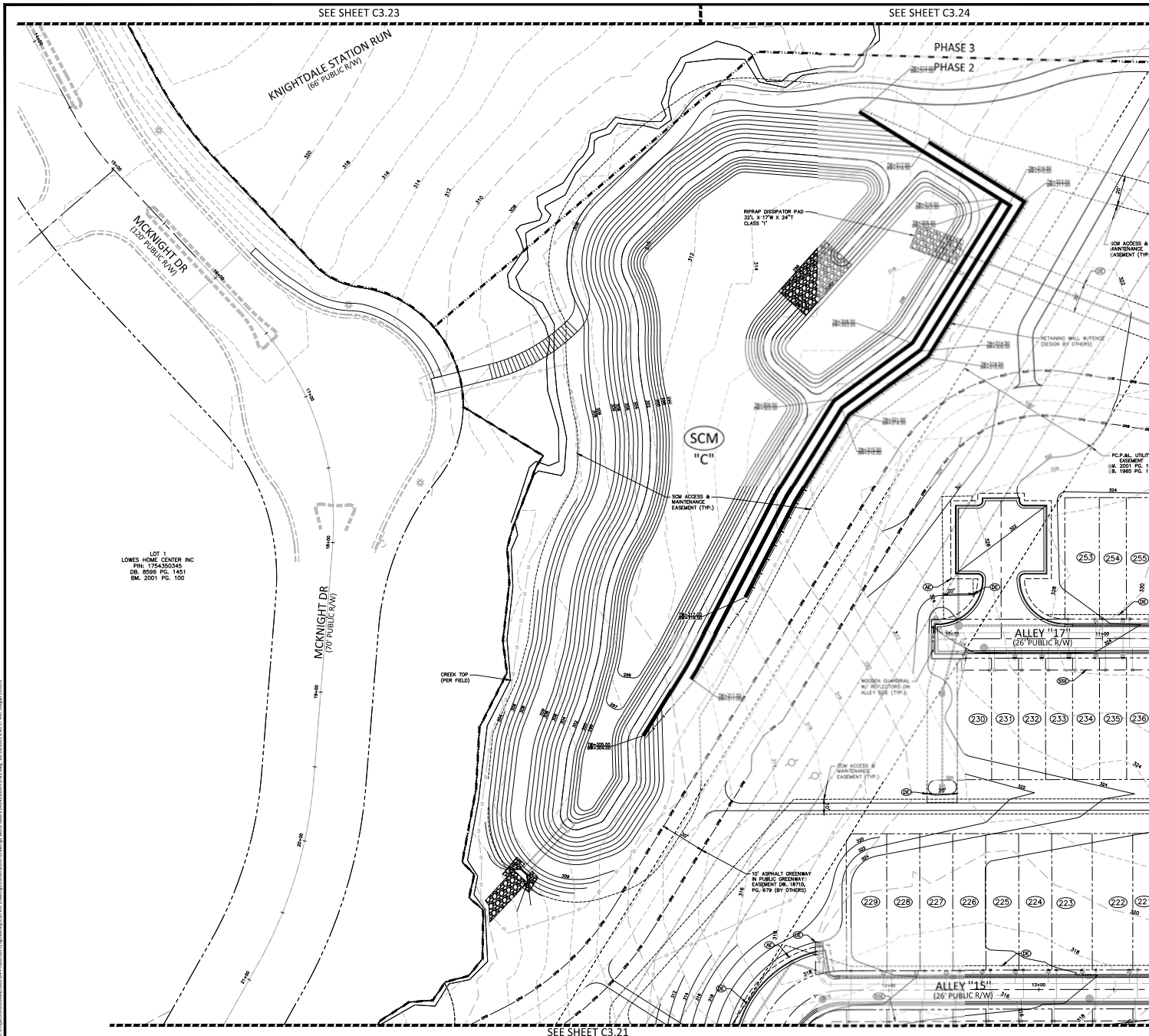
NO.	DATE
1	
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PLAN INFORMATION

PROJECT NO: AGN-21002
FILENAME: AGN21002-P2-G1
CHECKED BY: JCM / TEP
DRAWN BY: MRC / LRS / RAD
SCALE: 1" = 30'
DATE: 10.13.2023

SHHEET

**GRADING PLAN - AREA
"P1"
C3.22**



SEE SHEET C3.23

SEE SHEET C3.24

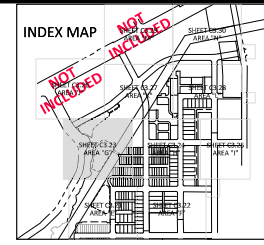
KNIGHTDALE STATION RUN
(66' PUBLIC R/W)

MCKNIGHT DR
(70' PUBLIC R/W)

LOT 1
LOWES HOME CENTER INC
P/N: 1754250345
DL: 8006 PG: 1451
EM: 2001 PG: 100

MCKNIGHT DR
(70' PUBLIC R/W)

SEE SHEET C3.21



GRADING LEGEND

250	MAJOR CONTOUR
252	MINOR CONTOUR
250	EXISTING MAJOR CONTOUR
252	EXISTING MINOR CONTOUR
-	EASEMENT LINE
250.50	TOP & BOTTOM CURB ELEVATIONS
250.00	TOP OF WALL ELEVATION
250.00	BOTTOM OF WALL ELEVATION
+ 250.60	SPOT ELEVATION

EASEMENT LEGEND

(P)	PUBLIC STORM DRAINAGE EASEMENT	(C)	CURB RAMP
(PR)	PRIVATE STORM DRAINAGE EASEMENT	(V)	VIEW VISIBILITY CROSSWALK
(C)	CITY OF RALEIGH WATERLINE EASEMENT	(S)	34" STOP SIGN
(SA)	CITY OF RALEIGH SANITARY SEWER EASEMENT		
(A)	SETBACKS		
(R)	RETAINING WALL EASEMENT		
(T)	TEMPORARY CONSTRUCTION EASEMENT		

KEY LEGEND

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION

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City of Raleigh Development Approval

City of Raleigh Review Officer

SITE PERMITTING APPROVAL

Water and Sewer Permits (if applicable)

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Town Engineer: _____ Date: _____

Administrator: _____ Date: _____

FINAL DRAWINGS - NOT RELEASED FOR CONSTRUCTION

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CLIENT
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RALEIGH, NORTH CAROLINA 27615
JACOB ANDERSON
PHONE: 919.239.9486



**DOWNTOWN NORTH AT
KNIGHTDALE STATION
CONSTRUCTION DRAWINGS - PHASE 2
N SMITHFIELD ROAD
KNIGHTDALE, NORTH CAROLINA**

GRAPHIC SCALE
1 inch = 30 ft.

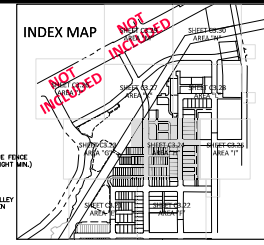
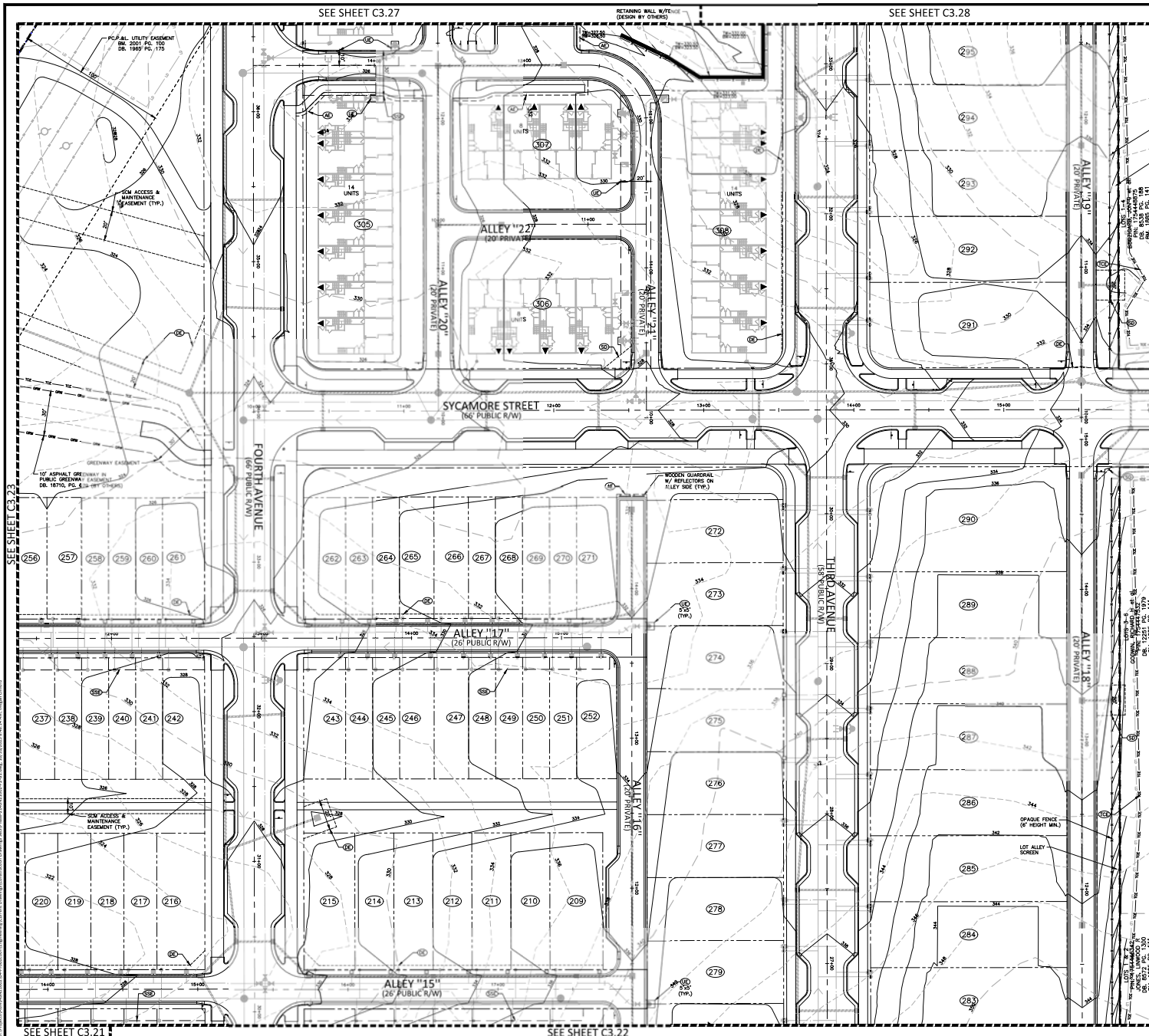
REVISIONS

NO.	DATE
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PLAN INFORMATION

PROJECT NO.	AGN-21002
FILENAME	AGN21002-P2-G1
CHECKED BY	JCM / TEP
DRAWN BY	MRC / LRS / RAD
SCALE	1" = 30'
DATE	10.13.2023

SHOOT
GRADING PLAN - AREA "G"
C3.23



GRADING LEGEND

250	MAJOR CONTOUR
252	MINOR CONTOUR
250	EXISTING MAJOR CONTOUR
252	EXISTING MINOR CONTOUR
---	EASEMENT LINE
250.50	TOP & BOTTOM CURB ELEVATIONS
250.00	TOP OF WALL ELEVATION
250.00	BOTTOM OF WALL ELEVATION
+	SPOT ELEVATION

EASEMENT LEGEND

- (P) PUBLIC STORM DRAINAGE EASEMENT
- (PR) PRIVATE STORM DRAINAGE EASEMENT
- (C) CITY OF RALEIGH WATERLINE EASEMENT
- (CS) CITY OF RALEIGH SANITARY SEWER EASEMENT
- (S) SETBACKS
- (RW) RETAINING WALL EASEMENT
- (TC) TEMPORARY CONSTRUCTION EASEMENT

KEY LEGEND

- (C) CURB RAMP
- (H) HIGH VISIBILITY CROSSWALK
- (S) 24" STOP SIGN

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION

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

SITE PERMITTING APPROVAL

Water and Sewer Permits (if applicable)

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FINAL DRAWINGS - NOT RELEASED FOR CONSTRUCTION

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 JACOB ANDERSON
 PHONE: 919.239.9486



**DOWNTOWN NORTH AT
 KNIGHTDALE STATION
 CONSTRUCTION DRAWINGS - PHASE 2
 N SMITHFIELD ROAD
 KNIGHTDALE, NORTH CAROLINA**

GRAPHIC SCALE
 1 inch = 30 ft.

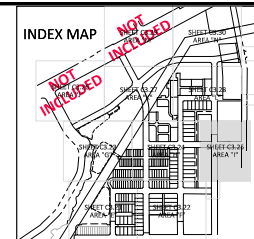
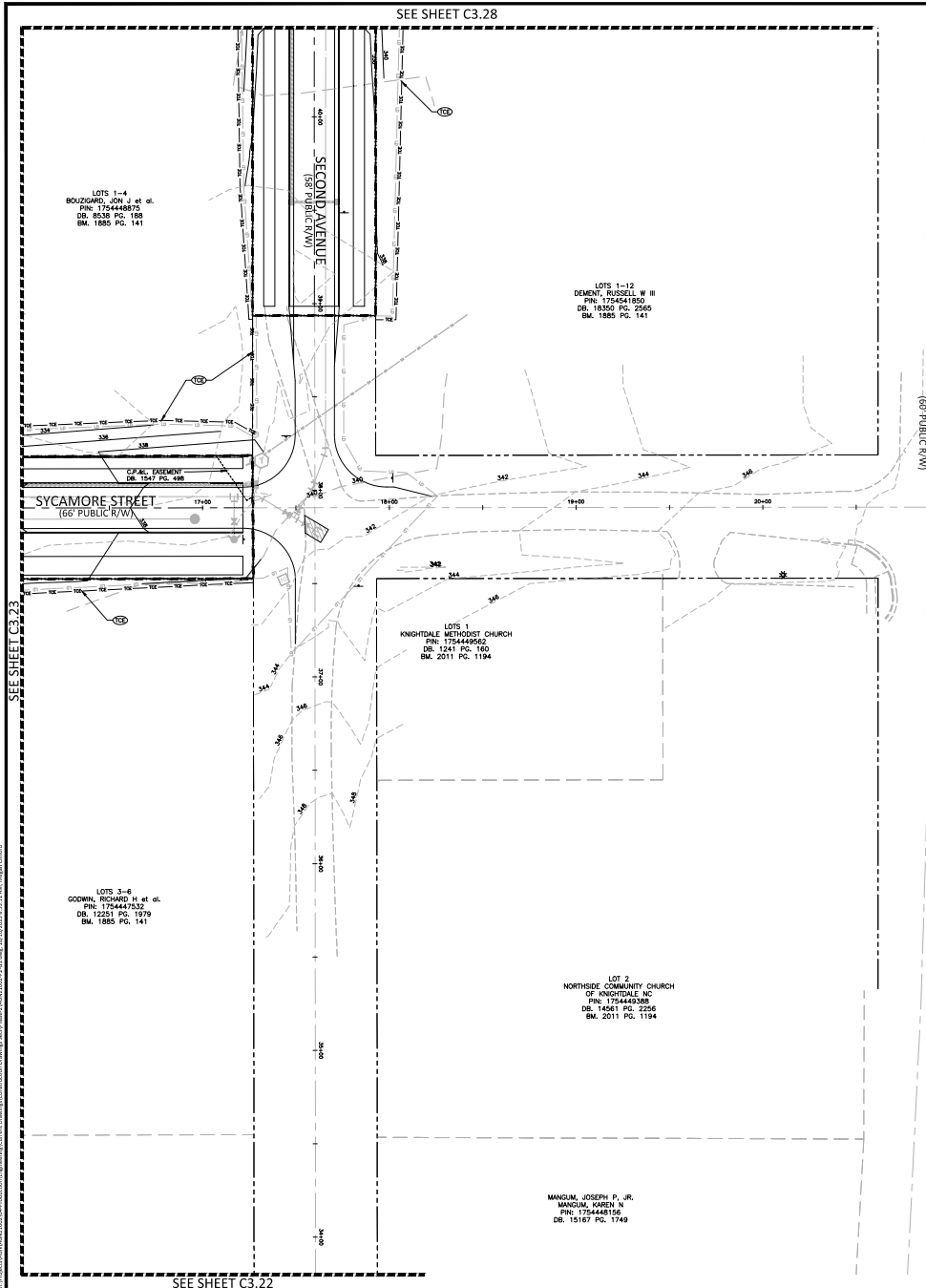
REVISIONS

NO.	DATE
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PLAN INFORMATION

PROJECT NO: AGN-11002
 FILENAME: AGN21002-P2-G1
 CHECKED BY: JCM / TEP
 DRAWN BY: MRC / LRS / RAD
 SCALE: 1" = 30'
 DATE: 10.13.2023

**GRADING PLAN - AREA
 "H"
 C3.24**



GRADING LEGEND

250	MAJOR CONTOUR
252	MINOR CONTOUR
250	EXISTING MAJOR CONTOUR
252	EXISTING MINOR CONTOUR
-	EASEMENT LINE
250.50 250.00	TOP & BOTTOM CURB ELEVATIONS
18-243.00 18-243.00	TOP OF WALL ELEVATION BOTTOM OF WALL ELEVATION (NOTE: BOTTOM OF WALL IS GROUND ELEVATION NOT WALL FOUNDATION)
+ 250.60	SPOT ELEVATION

EASEMENT LEGEND

(P)	PUBLIC STORM DRAINAGE EASEMENT	(C)	CURB RAMP
(PR)	PRIVATE STORM DRAINAGE EASEMENT	(V)	HIGH VISIBILITY CROSSWALK
(C)	CITY OF RALEIGH WATERLINE EASEMENT	(S)	34" STOP SIGN
(PA)	CITY OF RALEIGH SANITARY SEWER EASEMENT		
(P)	PUBLIC ACCESS EASEMENT		
(S)	SETBACKS		
(R)	RETAINING WALL EASEMENT		
(TC)	TEMPORARY CONSTRUCTION EASEMENT		

KEY LEGEND

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION

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City of Raleigh Development Approval _____
City of Raleigh Review Officer

SITE PERMITTING APPROVAL

Water and Sewer Permits (if applicable)

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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, NC.

Date: _____

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

By: _____
Administrator

FINAL DRAWINGS - NOT RELEASED FOR CONSTRUCTION

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JACOB ANDERSON
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**DOWNTOWN NORTH AT
KNIGHTDALE STATION
CONSTRUCTION DRAWINGS - PHASE 2
N SMITHFIELD ROAD
KNIGHTDALE, NORTH CAROLINA**

NO. FILED & ENGINEER

GRAPHIC SCALE
1 inch = 30 ft.

REVISIONS

NO.	DATE
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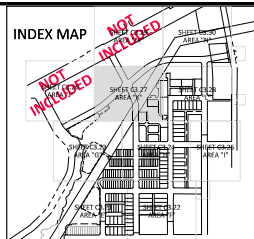
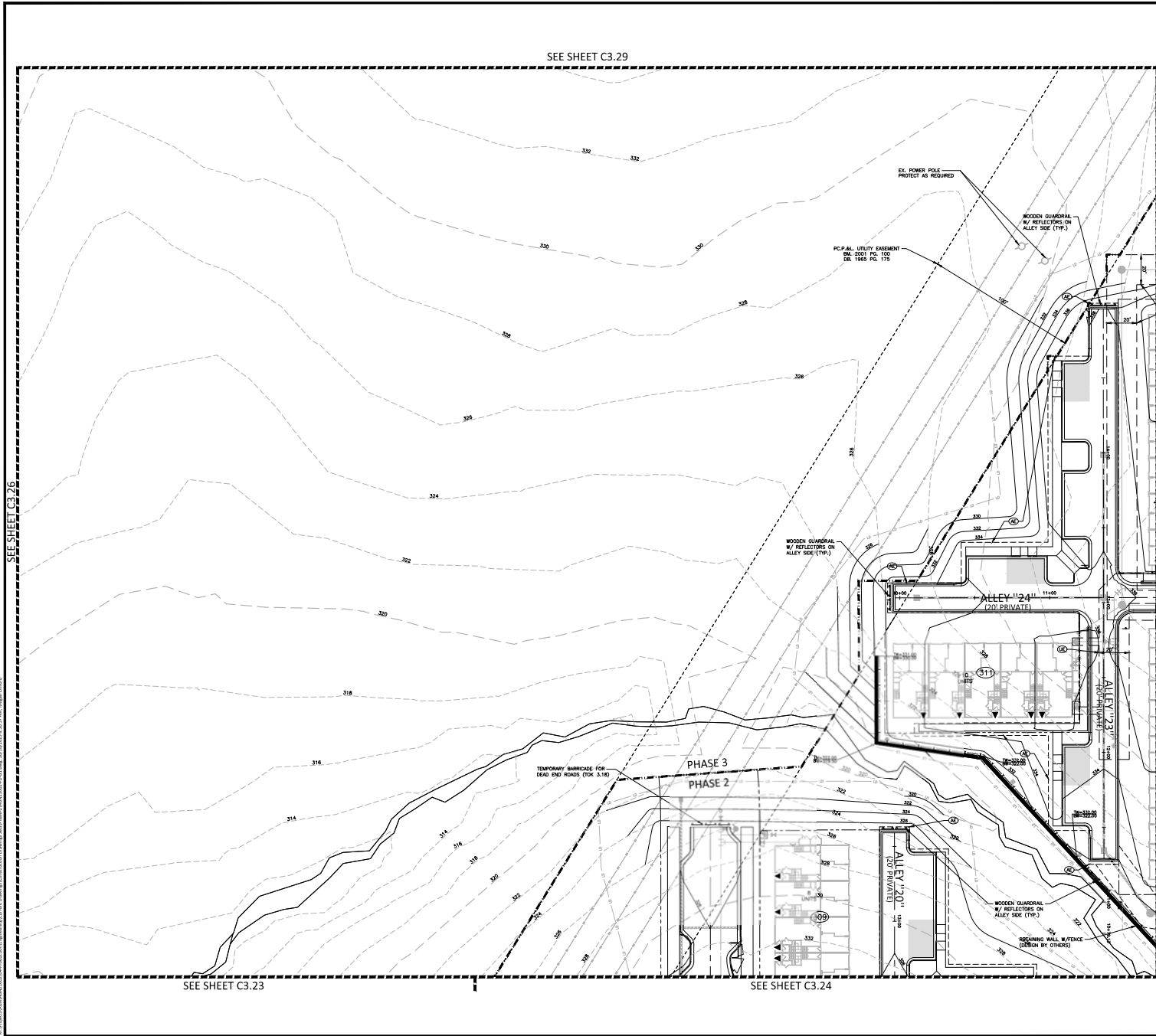
PLAN INFORMATION

PROJECT NO: AGN-21002
FILENAME: AGN21002-P2-G1
CHECKED BY: JCM / TEP
DRAWN BY: MRC / LRS / RAD
SCALE: 1" = 30'
DATE: 10.13.2023

SHEET

GRADING PLAN - AREA

C3.25



GRADING LEGEND

250	MAJOR CONTOUR
252	MINOR CONTOUR
250	EXISTING MAJOR CONTOUR
252	EXISTING MINOR CONTOUR
-	EASEMENT LINE
250.50	TOP & BOTTOM CURB ELEVATIONS
250.00	TOP OF WALL ELEVATION
248.00	BOTTOM OF WALL ELEVATION
+ 250.60	SPOT ELEVATION

EASEMENT LEGEND

(1)	PUBLIC STORM DRAINAGE EASEMENT
(2)	PRIVATE STORM DRAINAGE EASEMENT
(3)	CITY OF RALEIGH WATERLINE EASEMENT
(4)	CITY OF RALEIGH SANITARY SEWER EASEMENT
(5)	PUBLIC ACCESS EASEMENT
(6)	SETBACKS
(7)	RETAINING WALL EASEMENT
(8)	TEMPORARY CONSTRUCTION EASEMENT

KEY LEGEND

(A)	CURB RAMP
(B)	HIGH VISIBILITY CROSSWALK
(C)	34" STOP SIGN

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

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CLIENT
 ALLIANCE GROUP OF NC, LLC
 7208 FALLS OF NEUSE RD, SUITE 101
 RALEIGH, NORTH CAROLINA 27615
 JACOB ANDERSON
 PHONE: 919.239.9486



DOWNTOWN NORTH AT KNIGHTDALE STATION CONSTRUCTION DRAWINGS - PHASE 2
 N SMITHFIELD ROAD
 KNIGHTDALE, NORTH CAROLINA

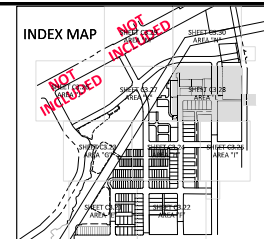
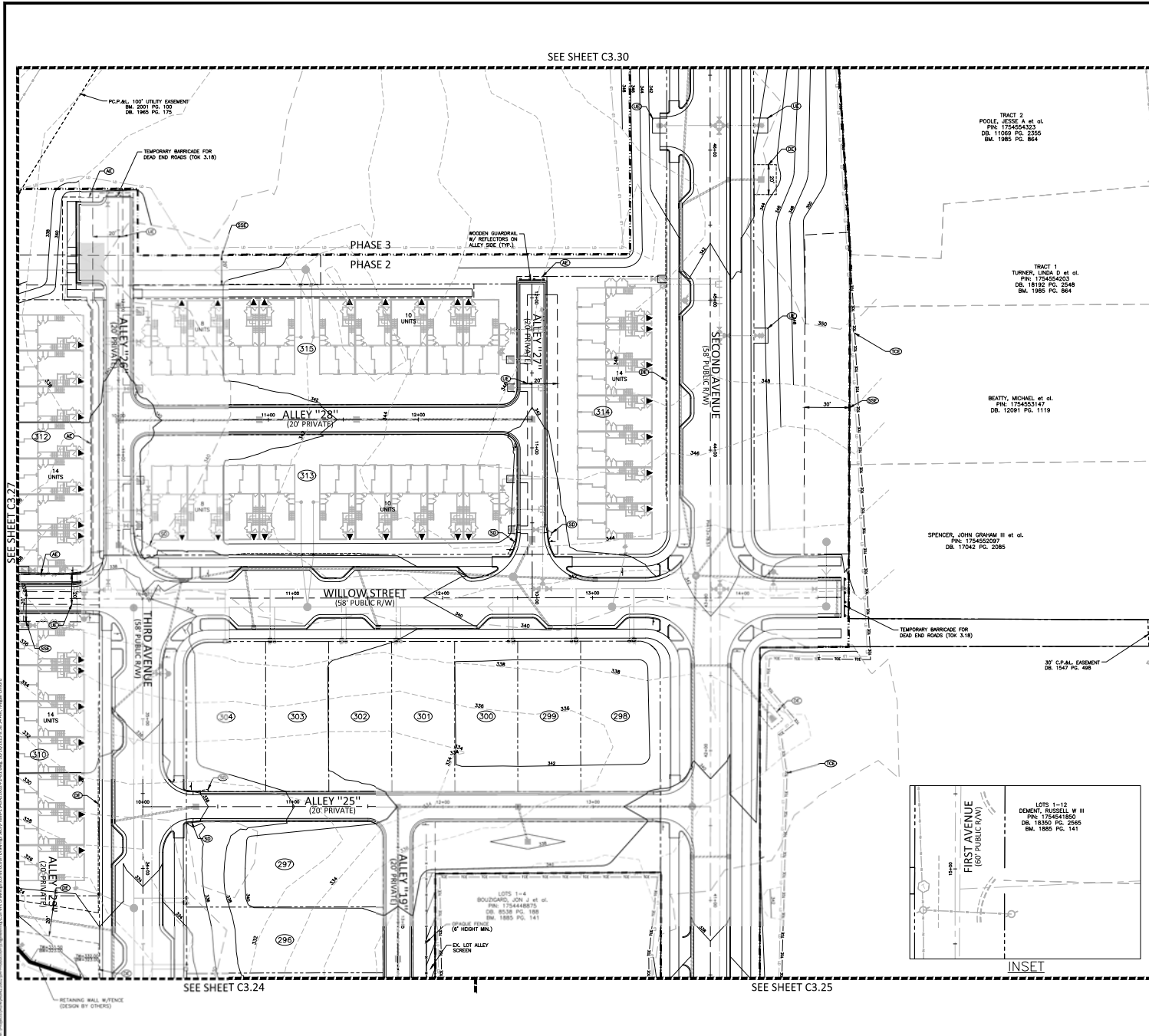
REVISIONS

NO.	DATE
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PLAN INFORMATION

PROJECT NO: AGN-21002
 FILENAME: AGN21002-P2-G1
 CHECKED BY: JCM / TEP
 DRAWN BY: MRC / LRS / RAD
 SCALE: 1" = 30'
 DATE: 10.13.2023

GRADING PLAN - AREA "K"
C3.27



GRADING LEGEND

250	MAJOR CONTOUR
252	MINOR CONTOUR
250	EXISTING MAJOR CONTOUR
252	EXISTING MINOR CONTOUR
---	EASEMENT LINE
250.50	TOP & BOTTOM CURB ELEVATIONS
250.00	TOP OF WALL ELEVATION
250.00	BOTTOM OF WALL ELEVATION
(NOTE: BOTTOM OF WALL IS GROUND ELEVATION NOT WALL FOUNDATION)	
+ 250.60	SPOT ELEVATION

EASEMENT LEGEND

- ⊕ PUBLIC STORM DRAINAGE EASEMENT
- ⊖ PRIVATE STORM DRAINAGE EASEMENT
- ⊗ CITY OF RALEIGH WATERLINE EASEMENT
- ⊙ CITY OF RALEIGH SANITARY SEWER EASEMENT
- ⊛ PUBLIC ACCESS EASEMENT
- ⊞ SETBACKS
- ⊟ RETAINING WALL EASEMENT
- ⊠ TEMPORARY CONSTRUCTION EASEMENT

KEY LEGEND

- ⊙ CURB RAMP
- ⊗ HIGH VISIBILITY CROSSWALK
- ⊠ 34" STOP SIGN

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION

Plans for the proposed work have been reviewed for general compliance with applicable codes. The 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 consultant, and contractor are each responsible for compliance with all applicable City, State and Federal laws. This specific authorization does not constitute 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 submitted by this approval must proceed in accordance with the plans kept on file with the City. This electronic approval may not be relied upon. Any modification to this approval must be submitted to the City of Raleigh Development Approval.

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

SITE PERMITTING APPROVAL

Water and Sewer Permits (if applicable)

The City of Raleigh consents to the connection and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 5.

The City of Raleigh consents to the connection and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 5.

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 construction methods used for this project shall conform to the standards and specifications of the City Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 7.

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES.

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.

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.

Date: _____

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

By: _____ Date: _____
Administrator

FINAL DRAWINGS - NOT RELEASED FOR CONSTRUCTION

McADAMS

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**DOWNTOWN NORTH AT
KNIGHTDALE STATION
CONSTRUCTION DRAWINGS - PHASE 2
N SMITHFIELD ROAD
KNIGHTDALE, NORTH CAROLINA**

GRAPHIC SCALE
1 inch = 30 ft.

REVISIONS

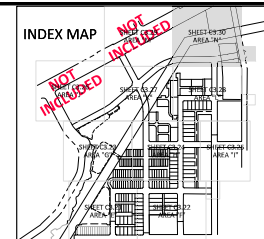
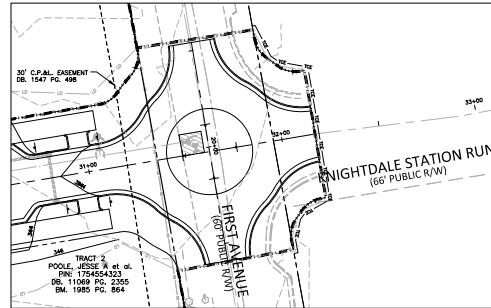
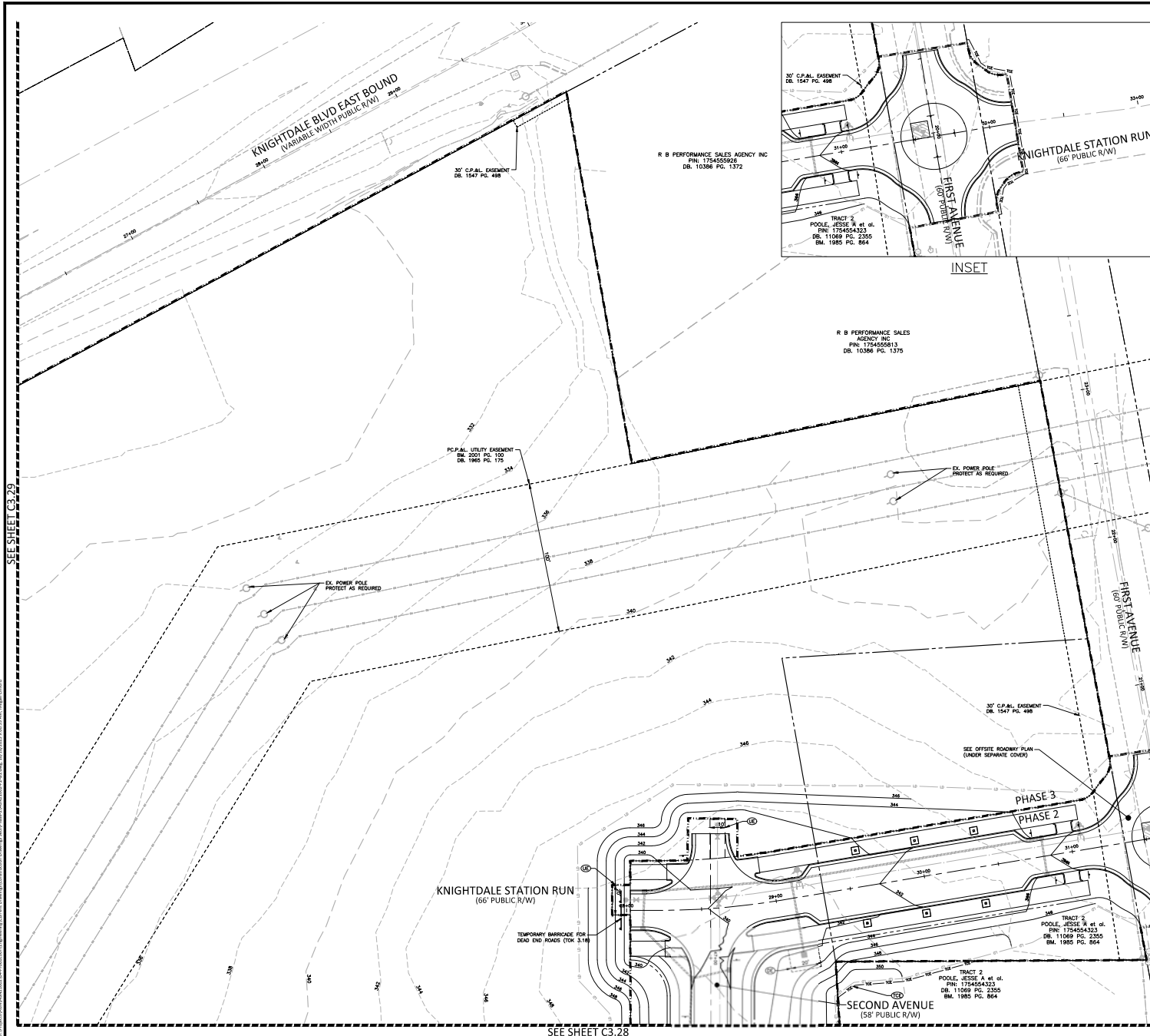
NO.	DATE
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PLAN INFORMATION

PROJECT NO: AGN-11002
FILENAME: AGN21002-P2-G1
CHECKED BY: JCM / TEP
DRAWN BY: MRC / LRS / RAD
SCALE: 1" = 30'
DATE: 10.13.2023

**GRADING PLAN - AREA
"A"**

C3.28



GRADING LEGEND

250	MAJOR CONTOUR
252	MINOR CONTOUR
250	EXISTING MAJOR CONTOUR
252	EXISTING MINOR CONTOUR
- - -	EASEMENT LINE
—+—	TOP & BOTTOM CURB ELEVATIONS
—+—	TOP OF WALL ELEVATION BOTTOM OF WALL ELEVATION (NOTED BOTTOM OF WALL IS GROUND ELEVATION NOT WALL FOUNDATION)
+ 250.60	SPOT ELEVATION

EASEMENT LEGEND

(P)	PUBLIC STORM DRAINAGE EASEMENT	(C)	CURB RAMP
(PR)	PRIVATE STORM DRAINAGE EASEMENT	(H)	HIGH VISIBILITY CROSSWALK
(C)	CITY OF RALEIGH WATERLINE EASEMENT	(S)	34" STOP SIGN
(CS)	CITY OF RALEIGH SANITARY SEWER EASEMENT		
(P)	PUBLIC ACCESS EASEMENT		
(R)	RETAINING WALL EASEMENT		
(T)	TEMPORARY CONSTRUCTION EASEMENT		

KEY LEGEND

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City of Raleigh Development Approval
 City of Raleigh Review Officer

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 Water and Sewer Permits (if applicable)

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SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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

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, NC.

Town Engineer
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 By: _____ Date: _____
 Administrator

FINAL DRAWINGS - NOT RELEASED FOR CONSTRUCTION

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**DOWNTOWN NORTH AT
 KNIGHTDALE STATION
 CONSTRUCTION DRAWINGS - PHASE 2
 N SMITHFIELD ROAD
 KNIGHTDALE, NORTH CAROLINA**

REVISIONS

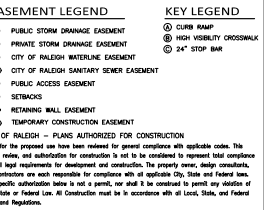
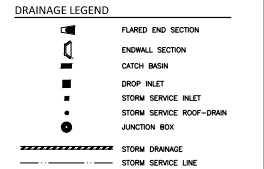
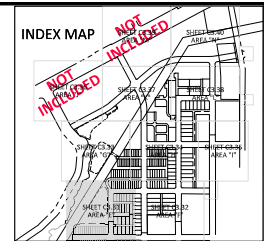
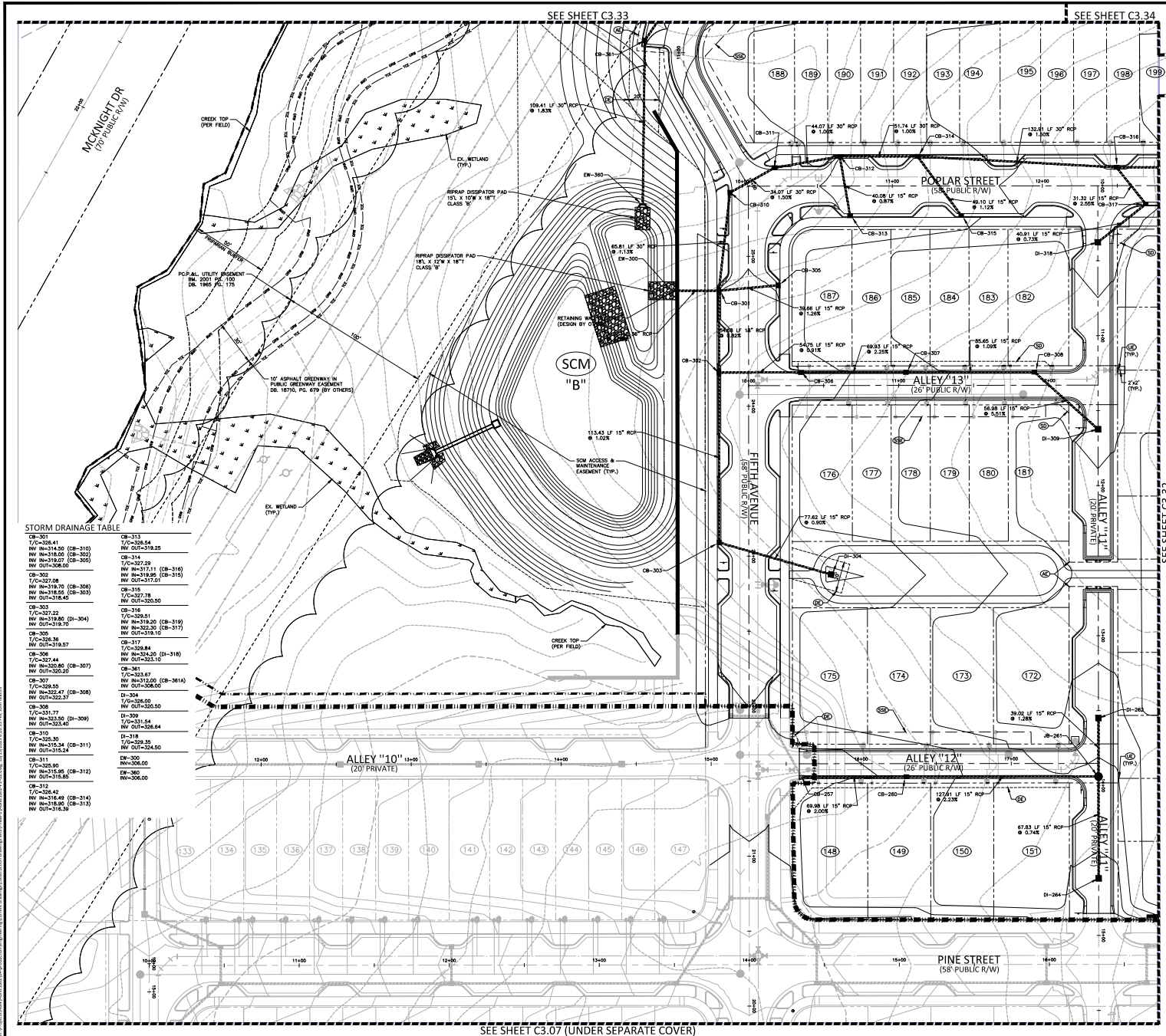
NO.	DATE
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PLAN INFORMATION

PROJECT NO: AGN-21002
 FILENAME: AGN21002-P2-G1
 CHECKED BY: JCM / TEP
 DRAWN BY: MRC / LRS / RAD
 SCALE: 1" = 30'
 DATE: 10.13.2023

SHIELD

**GRADING PLAN - AREA
 "N"
 C3.30**



EASEMENT APPROVED FOR CONSTRUCTION
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 Town Engineer: _____
 These plans were approved by the Town of Knightdale and serve as construction plans for this project.
 By: _____ Date: _____
 Administrator

FINAL DRAWINGS - NOT RELEASED FOR CONSTRUCTION

STORM DRAINAGE TABLE

CB-301 T/C=328.41 INV IN=314.50 (CB-310) INV IN=314.00 (CB-302) INV IN=319.07 (CB-305) INV OUT=306.00	CB-302 T/C=327.68 INV IN=318.70 (CB-308) INV IN=318.55 (CB-303) INV OUT=316.40	CB-303 T/C=327.22 INV IN=318.80 (DI-304) INV OUT=319.70	CB-304 T/C=328.38 INV IN=319.57	CB-305 T/C=327.44 INV IN=320.80 (CB-307) INV OUT=326.20	CB-307 T/C=328.55 INV IN=322.47 (CB-308) INV OUT=322.37	CB-308 T/C=331.77 INV IN=323.50 (DI-309) INV OUT=323.40	CB-310 T/C=326.30 INV IN=315.34 (CB-311) INV OUT=315.24	CB-311 T/C=328.80 INV IN=315.85 (CB-312) INV OUT=316.30	CB-312 T/C=328.49 INV IN=316.48 (CB-314) INV IN=318.80 (CB-313) INV OUT=316.30	CB-313 T/C=328.54 INV OUT=319.25	CB-314 T/C=327.29 INV IN=313.11 (CB-316) INV IN=319.95 (CB-315) INV OUT=317.01	CB-315 T/C=329.28 INV IN=319.28 INV OUT=330.50	CB-316 T/C=329.51 INV IN=319.50 (CB-319) INV IN=322.25 (CB-317) INV OUT=319.10	CB-317 T/C=328.84 INV IN=324.20 (DI-318) INV OUT=323.10	CB-318 T/C=329.35 INV IN=324.50 (CB-361A) INV OUT=308.00	DI-304 T/C=328.00 INV OUT=320.50	DI-309 T/C=331.54 INV OUT=328.84	EW-300 INV OUT=306.00	EW-305 INV=306.00
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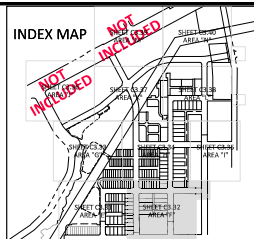
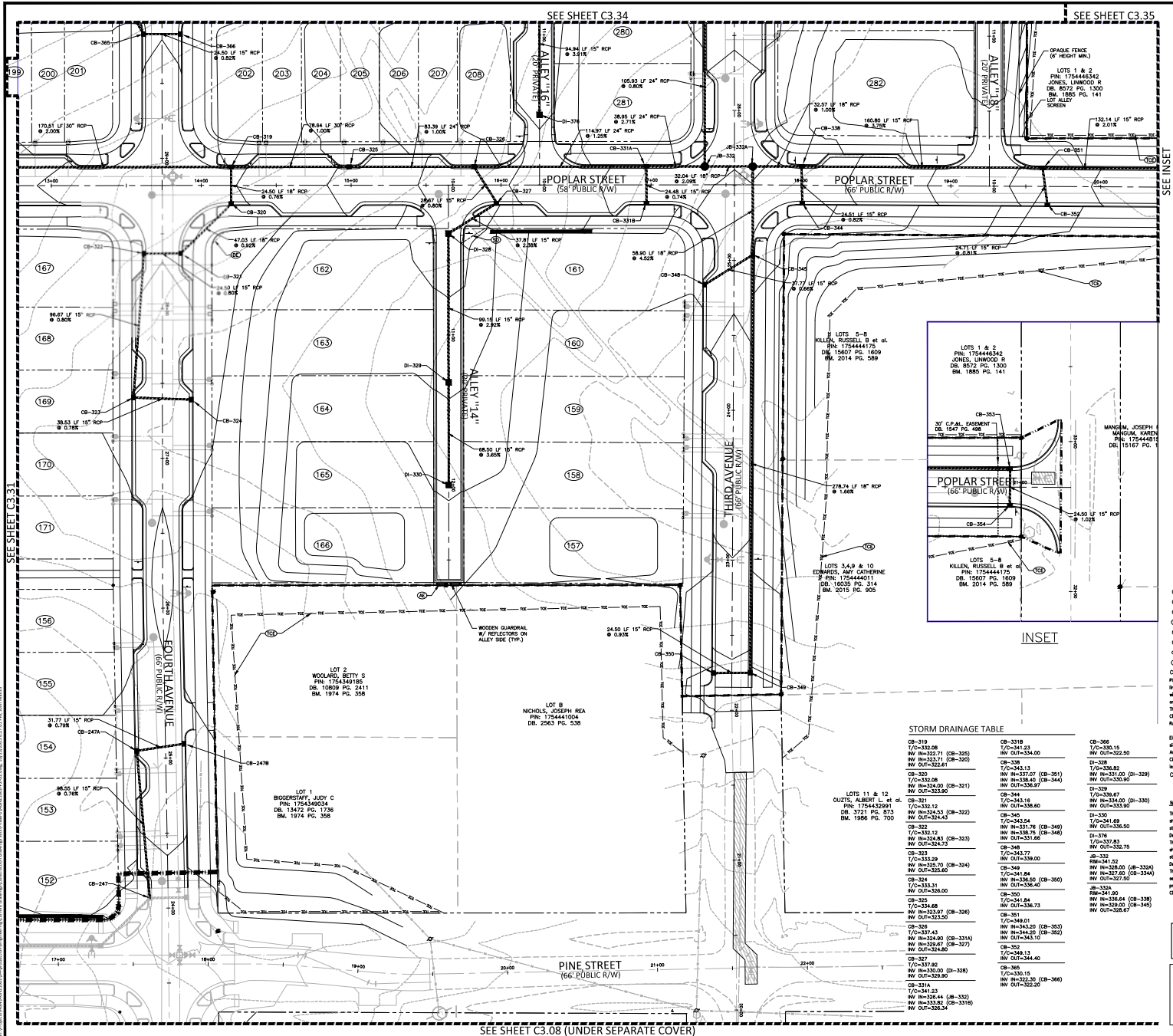
DOWNTOWN NORTH AT KNIGHTDALE STATION CONSTRUCTION DRAWINGS - PHASE 2
 N SMITHFIELD ROAD
 KNIGHTDALE, NORTH CAROLINA

REVISIONS
 1. DATE
 2.
 3.
 4.
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 6.

PLAN INFORMATION
 PROJECT NO: AGN-11002
 FILENAME: AGN21002-92-G2
 CHECKED BY: JCM / TEP
 DRAWN BY: MRC / LRS / RAD
 SCALE: 1" = 30'
 DATE: 10.13.2023

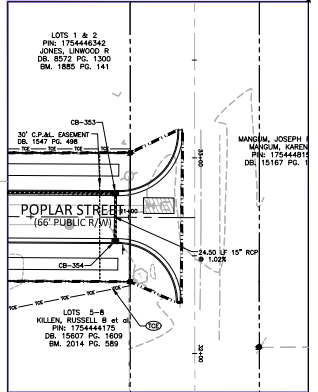
GRAPHIC SCALE
 1 inch = 30 feet

STORM DRAINAGE PLAN - AREA "E"
C3.31



DRAINAGE LEGEND

- FLARED END SECTION
- ENDWALL SECTION
- CATCH BASIN
- DROP INLET
- STORM SERVICE INLET
- STORM SERVICE ROOF-DRAIN
- JUNCTION BOX
- STORM DRAINAGE
- STORM SERVICE LINE



EASEMENT LEGEND

- Public Storm Drainage Easement
- Private Storm Drainage Easement
- City of Raleigh Waterline Easement
- City of Raleigh Sanitary Sewer Easement
- Public Access Easement
- Retainings
- Retaining Wall Easement
- Temporary Construction Easement

KEY LEGEND

- Curb Ramp
- High Visibility Crosswalk
- 24\"/>

STORM DRAINAGE TABLE

CB-318 1/0=332.08 1/1=332.08 1/2=332.08 1/3=332.08 1/4=332.08 1/5=332.08 1/6=332.08 1/7=332.08 1/8=332.08 1/9=332.08 1/10=332.08 1/11=332.08 1/12=332.08	CB-319 1/0=332.08 1/1=332.08 1/2=332.08 1/3=332.08 1/4=332.08 1/5=332.08 1/6=332.08 1/7=332.08 1/8=332.08 1/9=332.08 1/10=332.08 1/11=332.08 1/12=332.08	CB-320 1/0=332.08 1/1=332.08 1/2=332.08 1/3=332.08 1/4=332.08 1/5=332.08 1/6=332.08 1/7=332.08 1/8=332.08 1/9=332.08 1/10=332.08 1/11=332.08 1/12=332.08	CB-321 1/0=332.08 1/1=332.08 1/2=332.08 1/3=332.08 1/4=332.08 1/5=332.08 1/6=332.08 1/7=332.08 1/8=332.08 1/9=332.08 1/10=332.08 1/11=332.08 1/12=332.08	CB-322 1/0=332.08 1/1=332.08 1/2=332.08 1/3=332.08 1/4=332.08 1/5=332.08 1/6=332.08 1/7=332.08 1/8=332.08 1/9=332.08 1/10=332.08 1/11=332.08 1/12=332.08	CB-323 1/0=332.08 1/1=332.08 1/2=332.08 1/3=332.08 1/4=332.08 1/5=332.08 1/6=332.08 1/7=332.08 1/8=332.08 1/9=332.08 1/10=332.08 1/11=332.08 1/12=332.08	CB-324 1/0=332.08 1/1=332.08 1/2=332.08 1/3=332.08 1/4=332.08 1/5=332.08 1/6=332.08 1/7=332.08 1/8=332.08 1/9=332.08 1/10=332.08 1/11=332.08 1/12=332.08	CB-325 1/0=332.08 1/1=332.08 1/2=332.08 1/3=332.08 1/4=332.08 1/5=332.08 1/6=332.08 1/7=332.08 1/8=332.08 1/9=332.08 1/10=332.08 1/11=332.08 1/12=332.08	CB-326 1/0=332.08 1/1=332.08 1/2=332.08 1/3=332.08 1/4=332.08 1/5=332.08 1/6=332.08 1/7=332.08 1/8=332.08 1/9=332.08 1/10=332.08 1/11=332.08 1/12=332.08	CB-327 1/0=332.08 1/1=332.08 1/2=332.08 1/3=332.08 1/4=332.08 1/5=332.08 1/6=332.08 1/7=332.08 1/8=332.08 1/9=332.08 1/10=332.08 1/11=332.08 1/12=332.08	CB-328 1/0=332.08 1/1=332.08 1/2=332.08 1/3=332.08 1/4=332.08 1/5=332.08 1/6=332.08 1/7=332.08 1/8=332.08 1/9=332.08 1/10=332.08 1/11=332.08 1/12=332.08	CB-329 1/0=332.08 1/1=332.08 1/2=332.08 1/3=332.08 1/4=332.08 1/5=332.08 1/6=332.08 1/7=332.08 1/8=332.08 1/9=332.08 1/10=332.08 1/11=332.08 1/12=332.08	CB-330 1/0=332.08 1/1=332.08 1/2=332.08 1/3=332.08 1/4=332.08 1/5=332.08 1/6=332.08 1/7=332.08 1/8=332.08 1/9=332.08 1/10=332.08 1/11=332.08 1/12=332.08	CB-331 1/0=332.08 1/1=332.08 1/2=332.08 1/3=332.08 1/4=332.08 1/5=332.08 1/6=332.08 1/7=332.08 1/8=332.08 1/9=332.08 1/10=332.08 1/11=332.08 1/12=332.08	CB-332 1/0=332.08 1/1=332.08 1/2=332.08 1/3=332.08 1/4=332.08 1/5=332.08 1/6=332.08 1/7=332.08 1/8=332.08 1/9=332.08 1/10=332.08 1/11=332.08 1/12=332.08	CB-333 1/0=332.08 1/1=332.08 1/2=332.08 1/3=332.08 1/4=332.08 1/5=332.08 1/6=332.08 1/7=332.08 1/8=332.08 1/9=332.08 1/10=332.08 1/11=332.08 1/12=332.08	CB-334 1/0=332.08 1/1=332.08 1/2=332.08 1/3=332.08 1/4=332.08 1/5=332.08 1/6=332.08 1/7=332.08 1/8=332.08 1/9=332.08 1/10=332.08 1/11=332.08 1/12=332.08	CB-335 1/0=332.08 1/1=332.08 1/2=332.08 1/3=332.08 1/4=332.08 1/5=332.08 1/6=332.08 1/7=332.08 1/8=332.08 1/9=332.08 1/10=332.08 1/11=332.08 1/12=332.08	CB-336 1/0=332.08 1/1=332.08 1/2=332.08 1/3=332.08 1/4=332.08 1/5=332.08 1/6=332.08 1/7=332.08 1/8=332.08 1/9=332.08 1/10=332.08 1/11=332.08 1/12=332.08
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PERMITTING APPROVAL

City of Raleigh - Plans Authorized for Construction

WATER AND SEWER DEPARTMENT (AS APPLICABLE)

Water and Sewer Department

STORM DRAINAGE AND UTILITY NOTES

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

FINAL DRAWINGS - NOT RELEASED FOR CONSTRUCTION

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DOWNTOWN NORTH AT KNIGHTDALE STATION CONSTRUCTION DRAWINGS - PHASE 2

N SMITHFIELD ROAD
KNIGHTDALE, NORTH CAROLINA

GRAPHIC SCALE

1 inch = 30 feet

REVISIONS

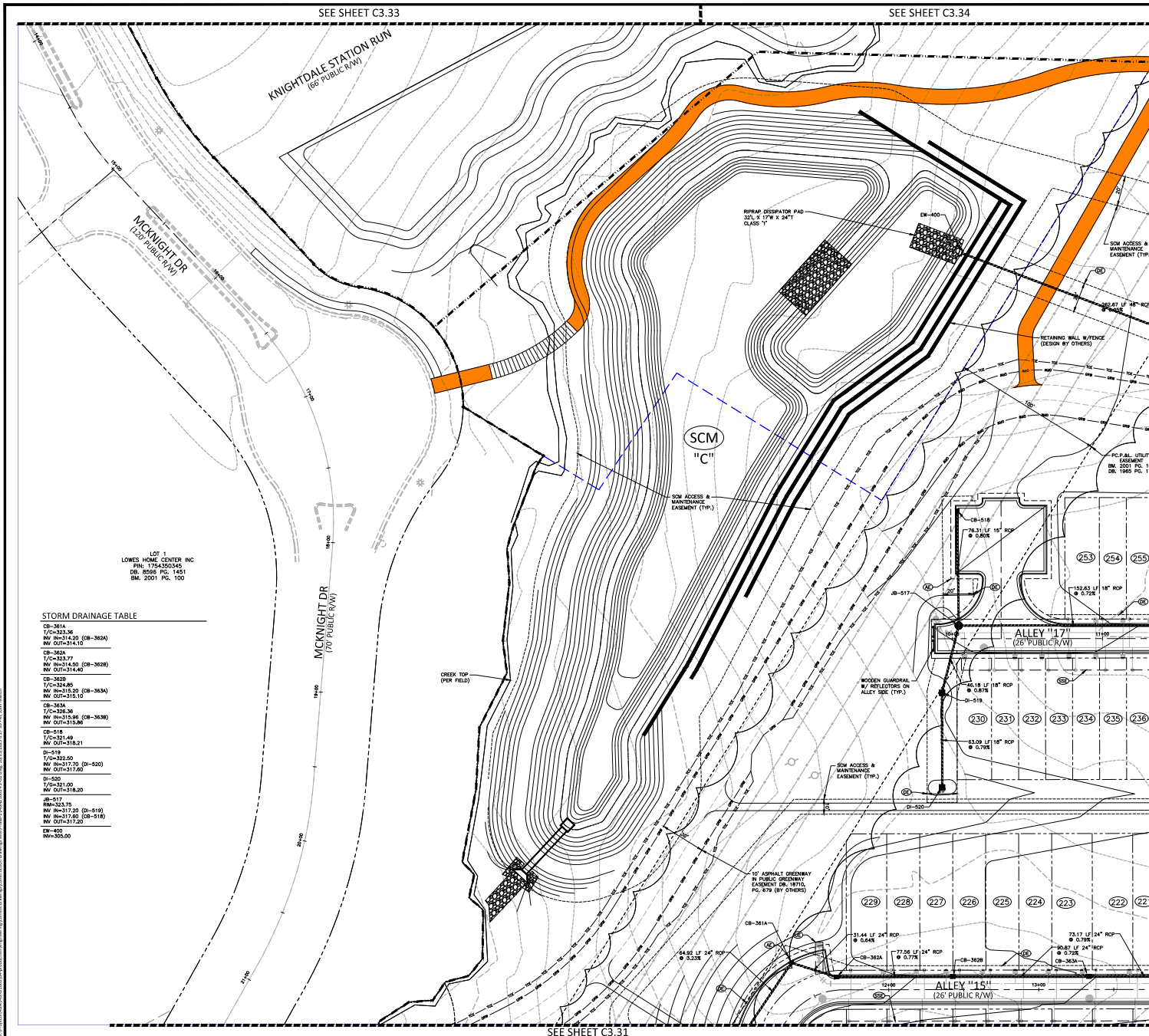
NO.	DATE	DESCRIPTION
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PLAN INFORMATION

PROJECT NO: AGN-21002
FILENAME: AGN21002-P2-62
CHECKED BY: JCM / TEP
DRAWN BY: MRC / LRS / RAD
SCALE: 1" = 30'
DATE: 10.13.2023

STORM DRAINAGE PLAN - AREA "A"

C3.32



SEE SHEET C3.32

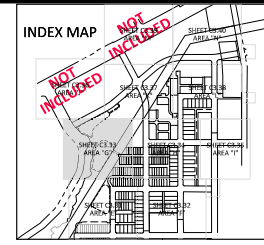
SEE SHEET C3.34

KNIGHTDALE STATION RUN
(66' PUBLIC R/W)

MCKNIGHT DR
(70' PUBLIC R/W)

MCKNIGHT DR
(70' PUBLIC R/W)

SEE SHEET C3.31



DRAINAGE LEGEND

- FLARED END SECTION
- ENDWALL SECTION
- CATCH BASIN
- DROP INLET
- STORM SERVICE INLET
- STORM SERVICE ROOF-DRAIN
- JUNCTION BOX
- STORM DRAINAGE
- STORM SERVICE LINE

EASEMENT LEGEND

- PUBLIC STORM DRAINAGE EASEMENT
- PRIVATE STORM DRAINAGE EASEMENT
- CITY OF RALEIGH WATERLINE EASEMENT
- CITY OF RALEIGH SANITARY SEWER EASEMENT
- PUBLIC ACCESS EASEMENT
- RETENINGS
- RETAINING WALL EASEMENT
- TEMPORARY CONSTRUCTION EASEMENT

KEY LEGEND

- CURB RAMP
- HIGH VISIBILITY CROSSWALK
- 24" STOP SIGN

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION

Plans for the proposed work have been reviewed for general compliance with applicable codes. The listed review and authorization for construction is not to be considered to represent total compliance with all applicable codes and regulations. The property owner, design consultant, and contractor are each responsible for compliance with all applicable City, State and Federal laws. The specific authorization herein 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.

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City of Raleigh Development Approval City of Raleigh Review Officer

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 # 1.

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 # 2.

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SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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

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.

Town Engineer: _____ Date: _____
 These plans are approved by the Town of Knightdale and serve as construction plans for this project.
 Administrator: _____ Date: _____

FINAL DRAWINGS - NOT RELEASED FOR CONSTRUCTION

STORM DRAINAGE TABLE

CB-361A	V/C=323.36	NW IN=214.20 (CB-362A)
NW OUT=114.10		
CB-362A	V/C=323.77	NW IN=214.00 (CB-362B)
NW OUT=114.40		
CB-362B	V/C=324.46	NW IN=215.20 (CB-363A)
NW OUT=115.10		
CB-363A	V/C=323.06	NW IN=213.06 (CB-363B)
NW OUT=115.80		
CB-363B	V/C=321.49	NW IN=213.82
NW OUT=116.21		
CB-364	V/C=322.50	NW IN=217.70 (CB-362)
NW OUT=117.80		
CB-365	V/C=321.06	NW IN=218.20
NW OUT=118.20		
CB-366	V/C=322.75	NW IN=217.20 (CB-367)
NW OUT=118.20		
CB-367	V/C=321.49	NW IN=217.20 (CB-368)
NW OUT=118.20		
CB-368	V/C=321.49	NW IN=217.20 (CB-369)
NW OUT=118.20		
CB-369	V/C=321.49	NW IN=217.20 (CB-370)
NW OUT=118.20		

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 www.mcadamsco.com

CLIENT

ALLIANCE GROUP OF NC, LLC
 7208 FALLS OF NEUSE RD, SUITE 101
 RALEIGH, NORTH CAROLINA 27615
 JACOB ANDERSON
 PHONE: 919.239.9486

**DOWNTOWN NORTH AT
 KNIGHTDALE STATION
 CONSTRUCTION DRAWINGS - PHASE 2
 N SMITHFIELD ROAD
 KNIGHTDALE, NORTH CAROLINA**

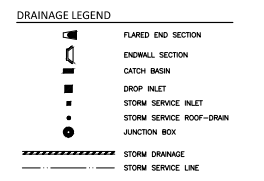
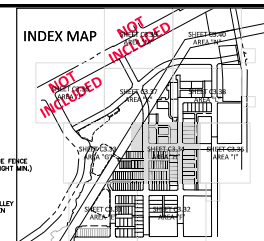
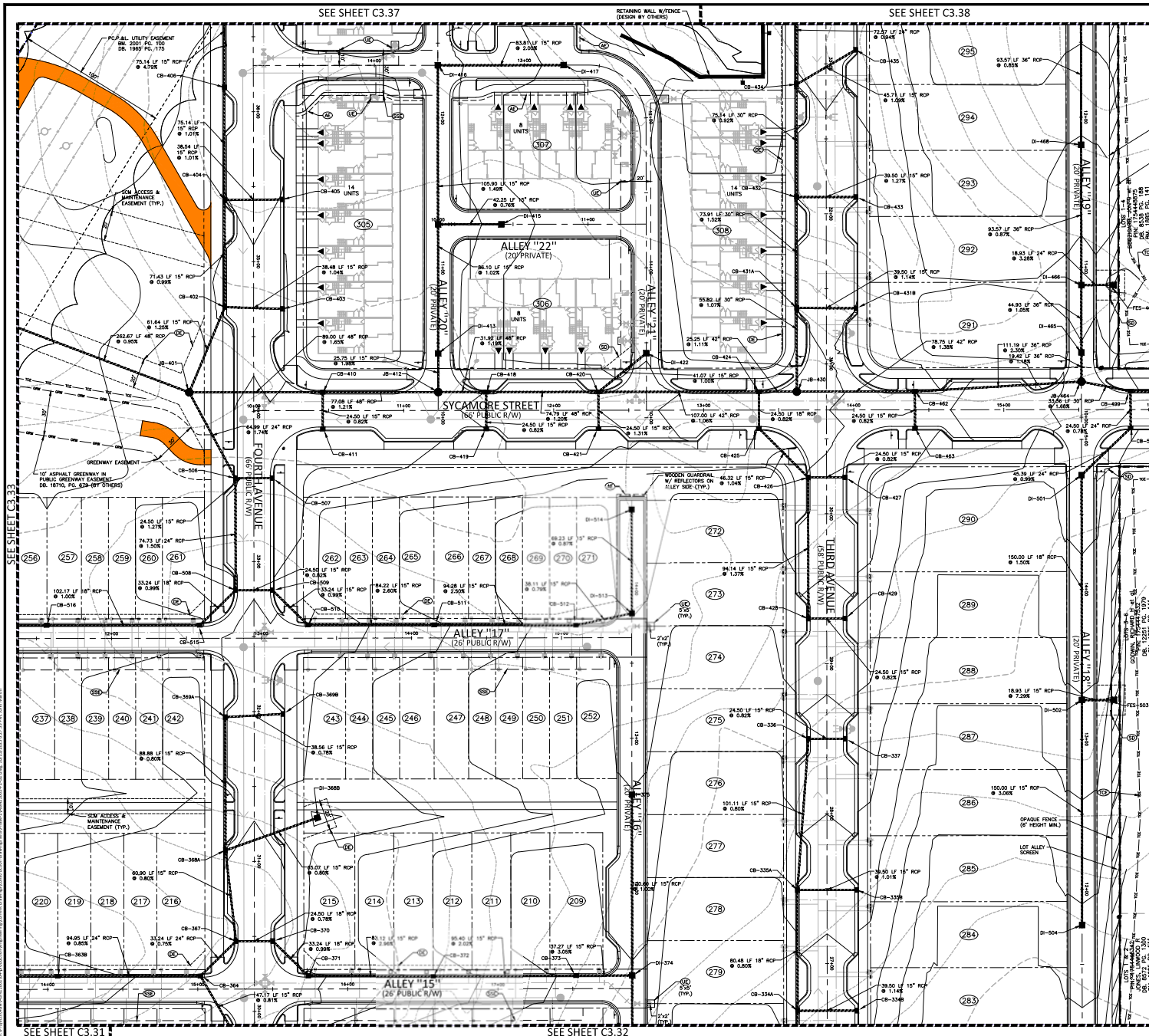
REVISIONS

NO.	DATE
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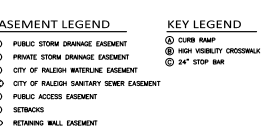
PLAN INFORMATION

PROJECT NO.: AGN-21002
 FILENAME: AGN21002-P2-G2
 CHECKED BY: JCM / TEP
 DRAWN BY: MRC / LRS / RAD
 SCALE: 1" = 30'
 DATE: 10.13.2023

**STORM DRAINAGE PLAN
 - AREA "G"
 C3.33**



STORM DRAINAGE TABLE
• SEE SHEET C3.35



CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION
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City of Raleigh Development Approval _____
City of Raleigh Review Officer _____

SITE PERMITTING APPROVAL
Water and Sewer Permits (if applicable)
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SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES.

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.

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.
Town Engineer _____ Date: _____
I hereby approve by the Town of Knightdale and serve as construction plans for this project.
Administrator _____

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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**DOWNTOWN NORTH AT KNIGHTDALE STATION
CONSTRUCTION DRAWINGS - PHASE 2
N SMITHFIELD ROAD
KNIGHTDALE, NORTH CAROLINA**



REVISIONS 1 inch = 30 ft.

NO.	DATE
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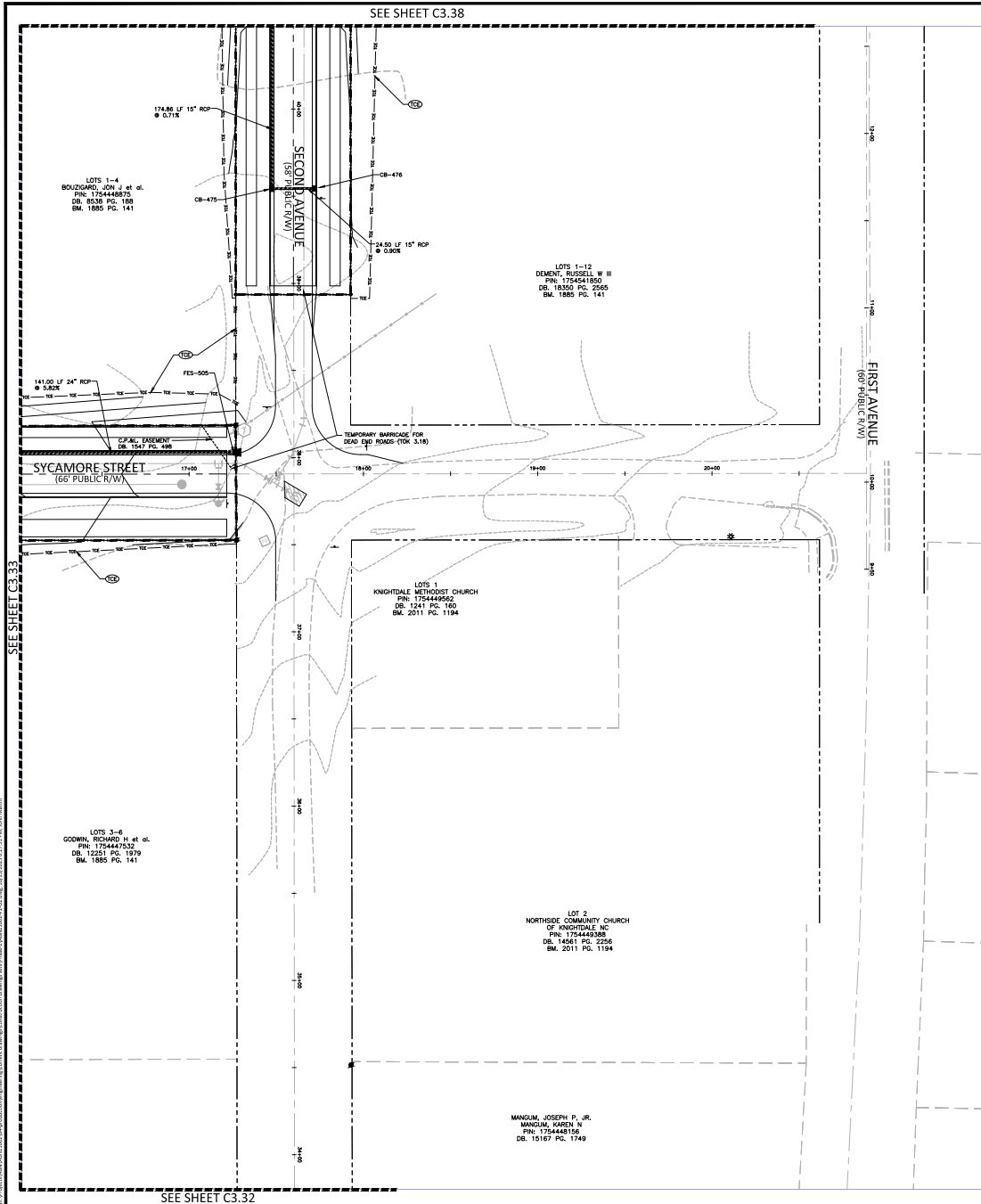
PLAN INFORMATION

PROJECT NO: AGN-11002
FILENAME: AGN21002-P2-G2
CHECKED BY: JCM / TEP
DRAWN BY: MRC / LRS / RAD
SCALE: 1" = 30'
DATE: 10.13.2023

SHEET

STORM DRAINAGE PLAN - AREA "H"

C3.34



SEE SHEET C3.38

SEE SHEET C3.33

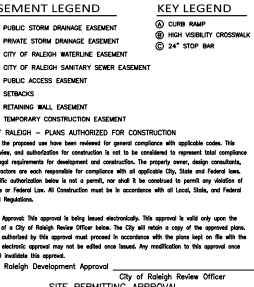
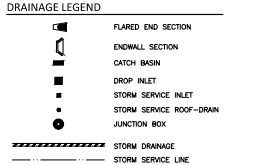
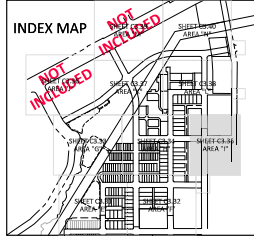
SEE SHEET C3.32

STORM DRAINAGE TABLE (SHEET C3.34)

CB-344 T/C=338.34 INV. IN=325.20 (CB-344) INV. IN=324.54 (CB-334) INV. OUT=328.44	CB-406 T/C=325.37 INV. IN=315.04 (CB-407) INV. OUT=314.69	CB-443 T/C=331.06 INV. IN=327.88 (CB-500) INV. IN=327.00 (FES-500) INV. OUT=328.50
CB-346 T/C=339.24 INV. IN=332.75	CB-410 T/C=348.41 INV. IN=309.17 (CB-412) INV. IN=312.30 (CB-411) INV. OUT=309.07	CB-500 T/C=335.84 INV. IN=327.88 (CB-500) INV. IN=327.00 (FES-500) INV. OUT=327.88
CB-356 T/C=337.41 INV. IN=329.28 (CB-356) INV. IN=328.54 (CB-359) INV. OUT=325.1	CB-418 T/C=324.4 INV. IN=311.18 (CB-420) INV. IN=319.38 (CB-419) INV. OUT=311.08	CB-506 T/C=325.11 INV. IN=313.23 (CB-508) INV. IN=317.90 (CB-507) INV. OUT=313.13
CB-358 T/C=335.00 INV. IN=330.26 (CB-337) INV. OUT=330.10	CB-419 T/C=328.46 INV. OUT=319.58	CB-509 T/C=325.11 INV. IN=320.32 (CB-510) INV. OUT=318.20
CB-359 T/C=332.00 INV. IN=330.40	CB-420 T/C=327.60 INV. IN=322.72 (CB-424) INV. IN=322.72 (CB-422) INV. IN=320.12 (CB-421) INV. OUT=312.08	CB-510 T/C=326.12 INV. IN=320.75 (CB-511) INV. OUT=320.60
CB-362 T/C=329.15 INV. IN=321.80 (CB-365) INV. OUT=337.40	CB-421 T/C=327.60 INV. IN=321.80 (CB-425) INV. OUT=337.40	CB-511 T/C=326.12 INV. IN=320.75 (CB-512) INV. OUT=322.84
CB-367 T/C=328.28 INV. IN=320.89 (CB-370) INV. IN=317.82 (CB-369) INV. OUT=317.80	CB-425 T/C=328.27 INV. IN=323.00 (CB-428) INV. OUT=322.00	CB-512 T/C=330.04 INV. IN=328.84 (CB-512) INV. OUT=322.84
CB-368 T/C=328.33 INV. IN=320.38 (CB-368) INV. IN=318.48 (CB-369) INV. OUT=318.39	CB-426 T/C=320.71 INV. IN=324.30 (CB-428) INV. IN=323.40 (CB-427) INV. OUT=325.40	CB-513 T/C=328.09 INV. IN=314.86 (CB-516) INV. OUT=314.86
CB-369 T/C=327.12 INV. IN=319.20 (CB-369) INV. OUT=319.20	CB-427 T/C=320.27 INV. OUT=323.60	CB-514 T/C=328.09 INV. IN=314.86 (CB-516) INV. OUT=314.86
CB-370 T/C=329.28 INV. IN=321.15 (CB-371) INV. OUT=321.08	CB-428 T/C=328.26 INV. OUT=325.69	CB-515 T/C=327.00 INV. OUT=320.90
CB-371 T/C=330.10 INV. IN=322.61 (CB-372) INV. OUT=322.51	CB-429 T/C=328.26 INV. OUT=325.69	CB-516 T/C=327.00 INV. OUT=320.90
CB-372 T/C=333.47 INV. IN=325.11 (CB-373) INV. OUT=325.07	CB-430 T/C=328.26 INV. OUT=325.69	CB-517 T/C=327.00 INV. OUT=320.90
CB-373 T/C=328.96 INV. IN=327.10 (CB-374) INV. OUT=327.10	CB-431A T/C=320.41 INV. IN=319.09 (CB-432) INV. IN=323.30 (CB-431B) INV. OUT=319.09	CB-518 T/C=327.00 INV. OUT=320.90
CB-402 T/C=323.83 INV. IN=313.37 (CB-404) INV. IN=313.37 (CB-403) INV. OUT=313.27	CB-431B T/C=320.41 INV. IN=319.09 (CB-432) INV. IN=323.30 (CB-431B) INV. OUT=319.09	CB-519 T/C=327.00 INV. OUT=320.90
CB-403 T/C=323.83 INV. IN=313.37 (CB-404) INV. IN=313.37 (CB-403) INV. OUT=313.27	CB-438 T/C=328.46 INV. OUT=323.75	CB-520 T/C=327.00 INV. OUT=320.90
CB-404 T/C=324.29 INV. IN=314.18 (CB-406) INV. IN=314.18 (CB-405) INV. OUT=314.08	CB-439 T/C=328.46 INV. OUT=323.75	CB-521 T/C=327.00 INV. OUT=320.90
CB-405 T/C=324.40 INV. OUT=314.07	CB-440 T/C=328.46 INV. OUT=323.75	CB-522 T/C=327.00 INV. OUT=320.90

STORM DRAINAGE TABLE (THIS SHEET)

CB-475 T/C=334.43 INV. IN=332.42 (CB-476) INV. OUT=332.32	CB-476 T/C=334.43 INV. OUT=332.44
FES-505 INV. IN=332.00	



WATER AND SEWER PERMITS (IF APPLICABLE)

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SITE PERMITTING APPROVAL

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Town Engineer: _____ Date: _____
 Administrator: _____

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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DOWNTOWN NORTH AT KNIGHTDALE STATION CONSTRUCTION DRAWINGS - PHASE 2
 N SMITHFIELD ROAD
 KNIGHTDALE, NORTH CAROLINA

GRAPHIC SCALE
 1 inch = 30 feet

REVISIONS

NO.	DATE
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PLAN INFORMATION

PROJECT NO: AGN-1000
 FILENAME: AGN21002-P2-G2
 CHECKED BY: JCM / TEP
 DRAWN BY: MRC / LRS / RAD
 SCALE: 1" = 30'
 DATE: 10.13.2023

STORM DRAINAGE PLAN - AREA "1"

C3.35

SEE SHEET C3.39

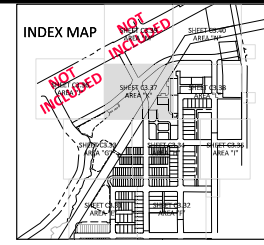
SEE SHEET C3.36

KNIGHTDALE STATION RUN
(66' PUBLIC R/W)

FOURTH AVENUE
(66' PUBLIC R/W)

SEE SHEET C3.33

SEE SHEET C3.34



DRAINAGE LEGEND

	FLARED END SECTION
	ENDWALL SECTION
	CATCH BASIN
	DROP INLET
	STORM SERVICE INLET
	STORM SERVICE ROOF-DRAIN
	JUNCTION BOX
	STORM DRAINAGE
	STORM SERVICE LINE

STORM DRAINAGE TABLE

CB-407	T/C=326.07
INV 501=518.64	(CB-408)
INV 501=518.64	
CB-408	T/C=326.07
INV 501=518.65	
D1-438	T/C=323.43
INV 501=324.38	(D1-439)
INV 501=324.38	
D1-439	T/C=325.56
INV 501=327.88	(D1-441)
INV 501=327.88	(D1-442)
INV 501=327.88	
D1-440	T/C=323.07
INV 501=329.07	
D1-441	T/C=326.87
INV 501=328.87	
JS-437	288-331.90
INV 501=332.57	(D1-438)
INV 501=332.47	

EASEMENT LEGEND

	PUBLIC STORM DRAINAGE EASEMENT
	PRIVATE STORM DRAINAGE EASEMENT
	CITY OF RALEIGH WATERLINE EASEMENT
	PUBLIC ACCESS EASEMENT
	SETBACKS
	RETAINING WALL EASEMENT
	TEMPORARY CONSTRUCTION EASEMENT

KEY LEGEND

	CURB RAMP
	HIGH VISIBILITY CROSSWALK
	24\" STOP SIGN

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City of Raleigh Development Approval
 City of Raleigh Review Officer

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 By: _____ Date: _____
 Administrator

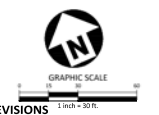
FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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**DOWNTOWN NORTH AT
 KNIGHTDALE STATION
 CONSTRUCTION DRAWINGS - PHASE 2
 N SMITHFIELD ROAD
 KNIGHTDALE, NORTH CAROLINA**



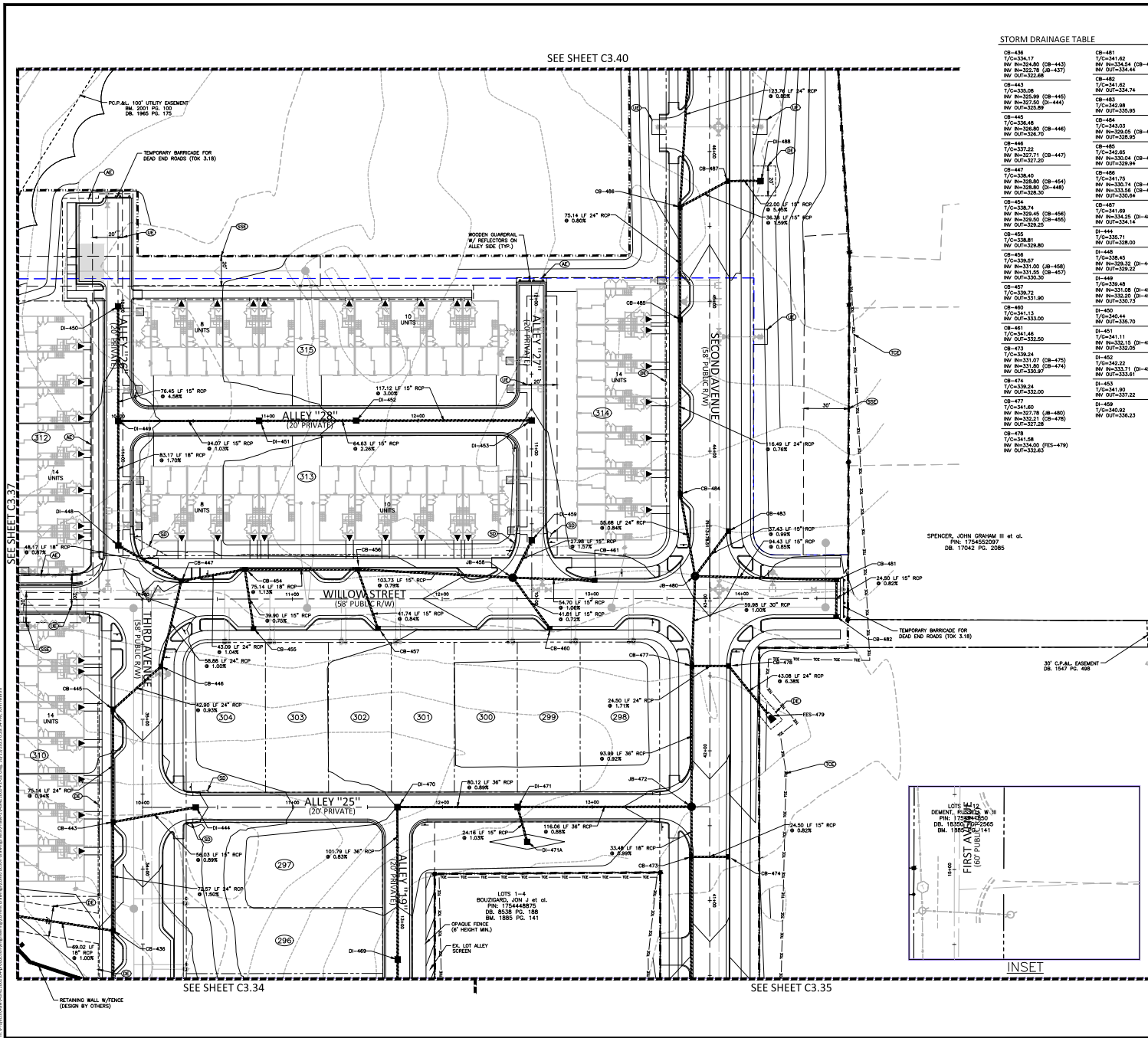
REVISIONS

NO.	DATE
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PLAN INFORMATION

PROJECT NO: AGN-21002
 FILENAME: AGN21002-P2-G2
 CHECKED BY: JCM / TEP
 DRAWN BY: MRC / LRS / RAD
 SCALE: 1" = 30'
 DATE: 10.13.2023

**STORM DRAINAGE PLAN
 - AREA "K"
 C3.37**



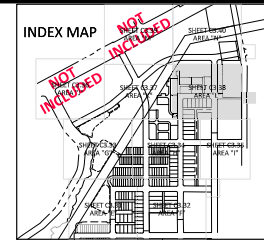
SEE SHEET C3.40

SEE SHEET C3.34

SEE SHEET C3.35

STORM DRAINAGE TABLE

CB-436 T/C=334.62 INV IN=324.80 (CB-443) INV IN=324.54 (CB-482) INV OUT=322.68	CB-481 T/C=334.62 INV IN=324.54 (CB-482) INV OUT=328.44
CB-443 T/C=335.08 INV IN=329.99 (CB-445) INV IN=327.92 (DI-444) INV OUT=325.89	CB-482 T/C=341.81 INV IN=324.81 INV OUT=325.95
CB-444 T/C=334.46 INV IN=330.80 (CB-444) INV OUT=328.70	CB-483 T/C=343.03 INV IN=329.10 (CB-485) INV OUT=328.90
CB-445 T/C=337.32 INV IN=337.71 (CB-447) INV OUT=327.20	CB-484 T/C=342.85 INV IN=330.04 (CB-486) INV OUT=329.94
CB-446 T/C=338.40 INV IN=328.80 (CB-454) INV IN=329.20 (CB-455) INV OUT=328.30	CB-485 T/C=341.70 INV IN=330.74 (CB-489) INV IN=333.56 (CB-487) INV OUT=330.64
CB-454 T/C=338.74 INV IN=329.45 (CB-456) INV IN=329.20 (CB-455) INV OUT=328.30	CB-486 T/C=341.70 INV IN=330.74 (CB-489) INV IN=333.56 (CB-487) INV OUT=330.64
CB-456 T/C=338.81 INV IN=338.71 INV OUT=329.80	CB-487 T/C=341.70 INV IN=330.74 (CB-489) INV IN=333.56 (CB-487) INV OUT=330.64
CB-458 T/C=338.57 INV IN=331.00 (CB-458) INV IN=331.25 (CB-457) INV OUT=330.50	DI-444 T/C=338.71 INV OUT=328.00
CB-457 T/C=338.49 INV IN=332.20 (DI-441) INV IN=332.20 (DI-450) INV OUT=326.19	DI-445 T/C=338.45 INV IN=328.32 (DI-449) INV OUT=329.22
CB-460 T/C=341.13 INV OUT=333.00	DI-446 T/C=338.49 INV IN=332.20 (DI-441) INV IN=332.20 (DI-450) INV OUT=326.19
CB-461 T/C=341.46 INV IN=332.15 (DI-452) INV OUT=332.20	DI-450 T/C=340.82 INV OUT=336.23
CB-473 T/C=338.24 INV IN=332.07 (CB-473) INV IN=331.90 (CB-474) INV OUT=330.27	DI-451 T/C=341.11 INV IN=332.15 (DI-452) INV OUT=332.20
CB-474 T/C=338.24 INV IN=332.00	DI-452 T/C=341.11 INV IN=332.15 (DI-452) INV OUT=332.20
CB-477 T/C=341.80 INV IN=337.76 (CB-480) INV IN=332.31 (CB-478) INV OUT=327.28	DI-453 T/C=341.80 INV IN=337.76 (CB-480) INV IN=332.31 (CB-478) INV OUT=327.28
CB-478 T/C=341.08 INV IN=332.60 (YES-479) INV OUT=332.63	



DRAINAGE LEGEND

- FLARED END SECTION
- ENWALL SECTION
- CATCH BASIN
- DROP INLET
- STORM SERVICE INLET
- STORM SERVICE ROOF-DRAIN
- JUNCTION BOX
- STORM DRAINAGE
- STORM SERVICE LINE

EASEMENT LEGEND

- PUBLIC STORM DRAINAGE EASEMENT
- PRIVATE STORM DRAINAGE EASEMENT
- CITY OF RALEIGH WATERLINE EASEMENT
- CITY OF RALEIGH SANITARY SEWER EASEMENT
- SEWER EASEMENT
- TEMPORARY CONSTRUCTION EASEMENT
- RETAINING WALL EASEMENT
- CONSTRUCTION EASEMENT

KEY LEGEND

- CURB RAMP
- HIGH VISIBILITY CROSSWALK
- 24" STOP SIGN

EASEMENT LEGEND

KEY LEGEND

SEWER EASEMENT

TEMPORARY CONSTRUCTION EASEMENT

RETAINING WALL EASEMENT

CONSTRUCTION EASEMENT

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION

Plans on the proposed site have been reviewed for general compliance with applicable codes. The listed 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 consultant, and contractor are each responsible for compliance with all applicable City, State and Federal laws. The specific authorization herein 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 electronic approval of a City of Raleigh Review Officer. The City will retain a copy of the approved plans. Any work submitted by this approval must proceed in accordance with the plans kept on file with the City. This electronic approval may not be relied upon for any other purpose. Any modification to this approval must be submitted to the City of Raleigh Review Officer.

City of Raleigh Development Approval

City of Raleigh Review Officer

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, Part 2.1.

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, Part 2.2.

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 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, Part 2.3.

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES.

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.

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.

Town Engineer
These plans are approved by the Town of Knightdale and serve as construction plans for this project.
By: _____ Date: _____
Administrator

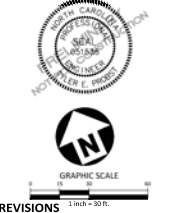
FINAL DRAWINGS - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
2905 Meridian Parkway
Durham, NC 27713
phone 919.361.5000
fax 919.361.2269
license number: C-0299, C-187
www.mcadams.com

CLIENT
ALLIANCE GROUP OF INC., LLC
7208 FALLS OF NEUSE RD, SUITE 101
RALEIGH, NORTH CAROLINA 27615
PHONE: 919.239.9486



DOWNTOWN NORTH AT KNIGHTDALE STATION CONSTRUCTION DRAWINGS - PHASE 2
N SMITHFIELD ROAD
KNIGHTDALE, NORTH CAROLINA



GRAPHIC SCALE 1 inch = 30 feet

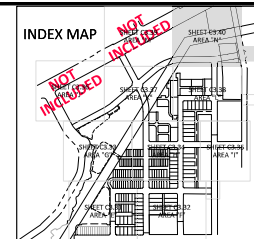
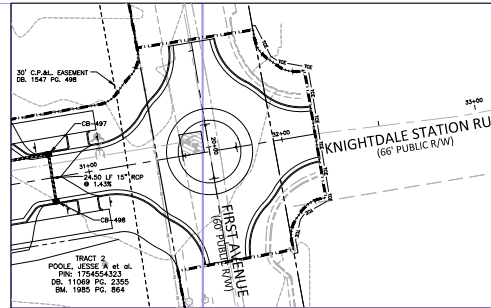
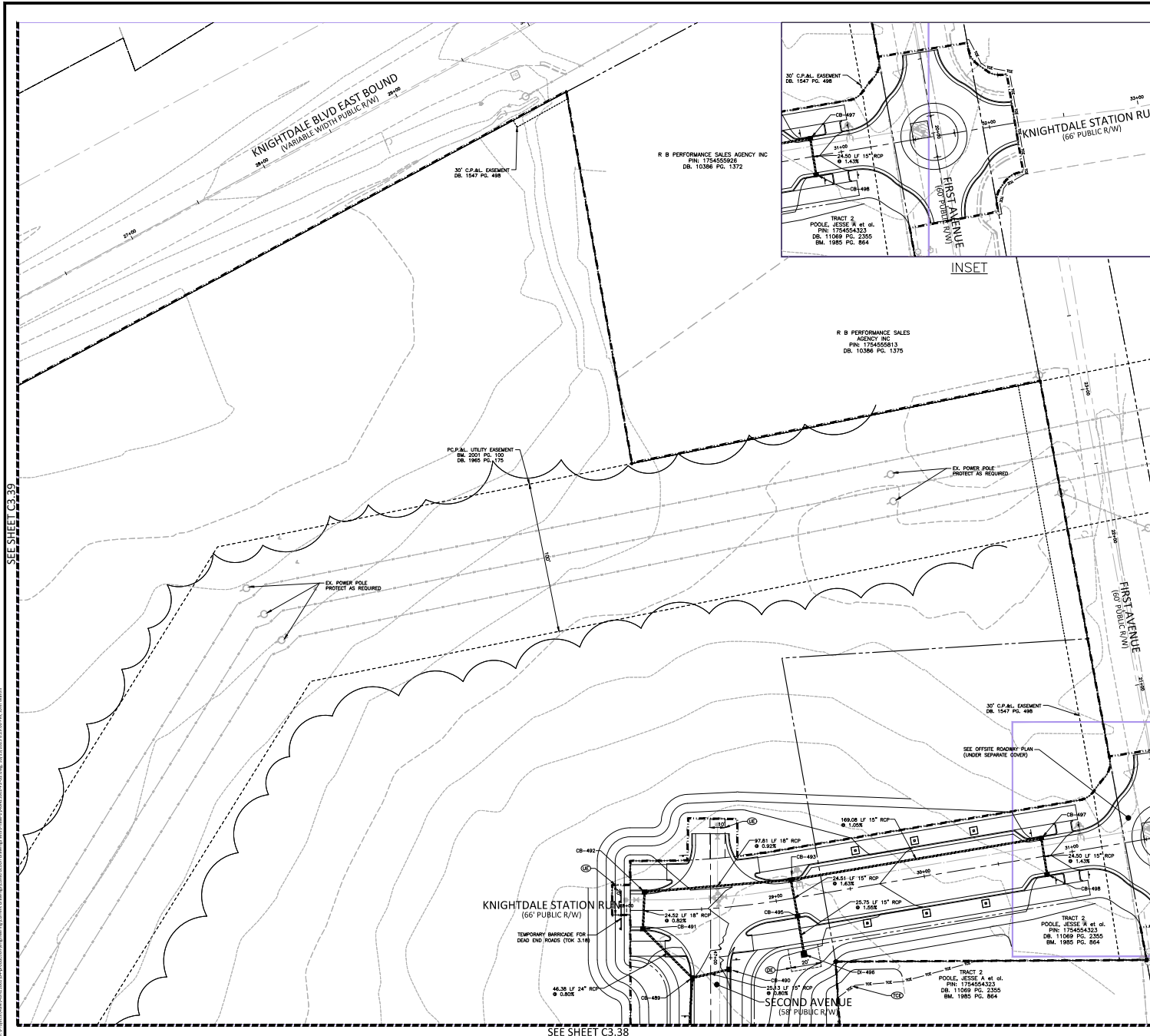
REVISIONS

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PLAN INFORMATION

PROJECT NO: AGN-21002
FILENAME: AGN21002-P2-G2
CHECKED BY: JCM / TEP
DRAWN BY: MRC / LRS / RAD
SCALE: 1" = 30'
DATE: 10.13.2023

STORM DRAINAGE PLAN - AREA "L"
C3.38



DRAINAGE LEGEND

- FLARED END SECTION
- ENWALL SECTION
- CATCH BASIN
- DROP INLET
- STORM SERVICE INLET
- STORM SERVICE ROOF-DRAIN
- JUNCTION BOX
- STORM DRAINAGE
- STORM SERVICE LINE

STORM DRAINAGE TABLE

CB-489	1/2"=348.42	RV IN=331.83 (CB-491)
	RV OUT=332.00 (CB-490)	RV OUT=331.73
CB-490	1/2"=342.25	RV IN=333.20
CB-491	1/2"=348.42	RV IN=335.30 (CB-492)
	RV IN=332.20	RV OUT=332.50
CB-492	1/2"=338.47	RV IN=332.00 (CB-493)
	RV OUT=332.50	
CB-493	1/2"=341.20	RV IN=334.02 (CB-497)
	RV IN=333.80 (CB-495)	RV OUT=333.50
CB-495	1/2"=341.21	RV IN=334.10 (CB-496)
	RV IN=334.00	RV OUT=334.50
CB-497	1/2"=344.12	RV IN=335.00 (CB-498)
	RV OUT=336.40	
CB-498	1/2"=344.12	RV IN=336.80
DI-496	1/2"=341.20	RV OUT=334.50

EASEMENT LEGEND

- PUBLIC STORM DRAINAGE EASEMENT
- PRIVATE STORM DRAINAGE EASEMENT
- CITY OF RALEIGH WATERLINE EASEMENT
- PUBLIC ACCESS EASEMENT
- RETAINING WALL EASEMENT
- TEMPORARY CONSTRUCTION EASEMENT

KEY LEGEND

- CURB RAMP
- HIGH VISIBILITY CROSSWALK
- 34" STOP SIGN

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION
 Plans for the proposed work 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 applicable codes and regulations. The property owner, design consultant, and contractor are each responsible for compliance with all applicable City, State and Federal laws. This specific authorization does not constitute 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. The City will retain a copy of the approved plans. Any work submitted by this approval must proceed in accordance with the plans kept on file with the City. This electronic approval may not be relied upon. Any modification to this approval must be made on the original plans.

City of Raleigh Development Approval
 City of Raleigh Review Officer

SITE PERMITTING APPROVAL
 Water and Sewer Permits (if applicable)
 The City of Raleigh consents to the connection and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 5.
 The City of Raleigh consents to the connection and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 5.

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 construction methods used for this project shall conform to the standards and specifications of the City Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 5.

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES
 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

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.
 Town Engineer: _____
 These plans are approved by the Town of Knightdale and serve as construction plans for this project.
 Administrator: _____ Date: _____

FINAL DRAWINGS - NOT RELEASED FOR CONSTRUCTION

McADAMS
 The John R. McAdams Company, Inc.
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 RALEIGH, NORTH CAROLINA 27615
 JACOB ANDERSON
 PHONE: 919.239.9486



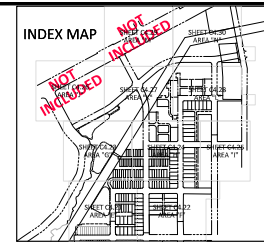
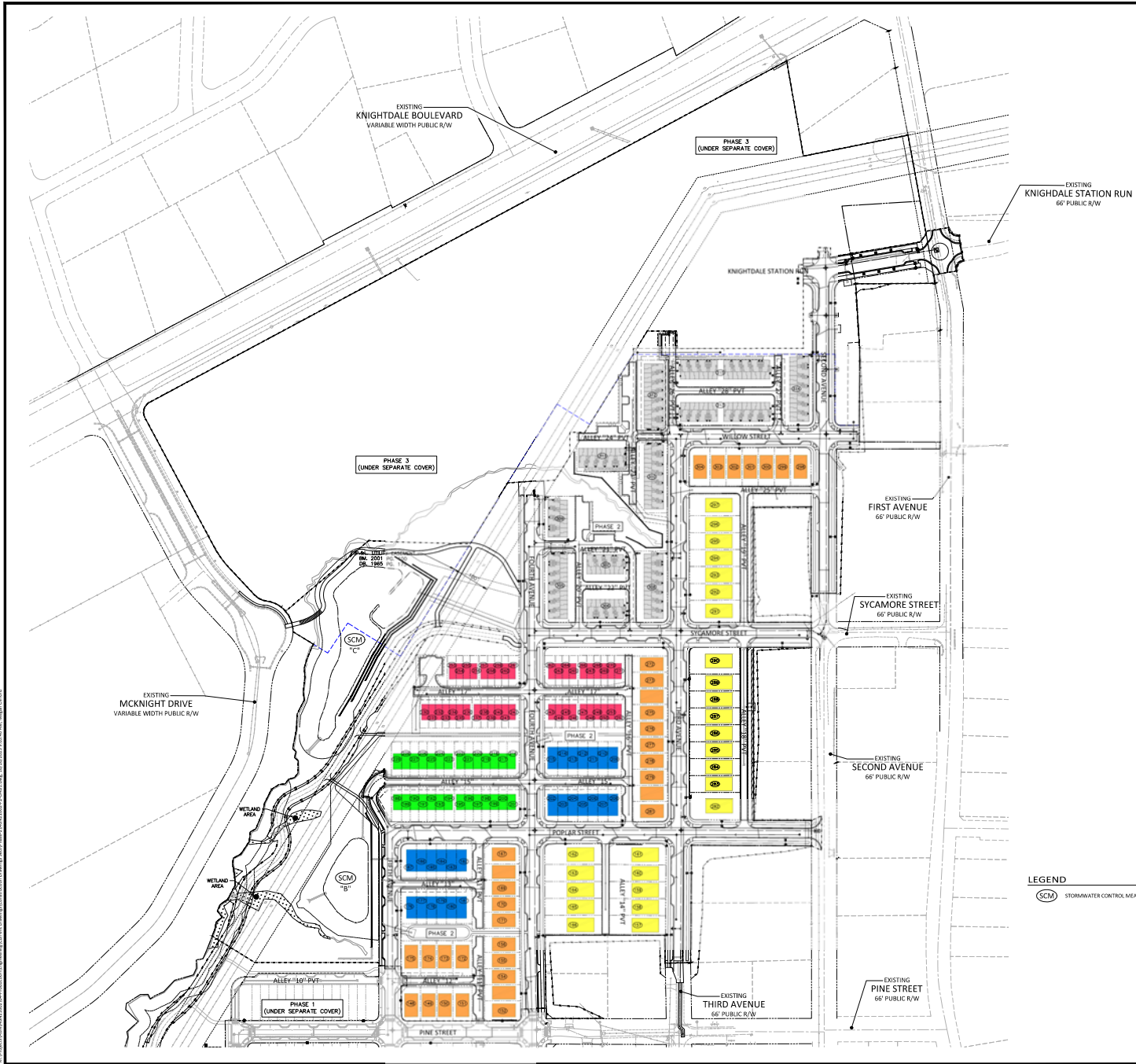
**DOWNTOWN NORTH AT
 KNIGHTDALE STATION
 CONSTRUCTION DRAWINGS - PHASE 2
 N SMITHFIELD ROAD
 KNIGHTDALE, NORTH CAROLINA**

REVISIONS

NO.	DATE
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PLAN INFORMATION
 PROJECT NO: AGN-21002
 FILENAME: AGN21002-P2-G2
 CHECKED BY: JCM / TEP
 DRAWN BY: MRC / LRS / RAD
 SCALE: 1" = 30'
 DATE: 10.13.2023

**STORM DRAINAGE PLAN
 - AREA "N"
 C3.40**



Public Sewer Collection / Extension System	
The City of Raleigh consents to the connection and extension of the City Public Sewer System to the site shown on this plan. The property owner, design consultant, and contractor are each responsible for compliance with all applicable City, State and Federal laws. This specific authorization does not constitute 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.	
City of Raleigh Department Permit #	SC-2021-09-1985
Authorization to Construct	See 2021-09-1985
Public Water Distribution / Extension System	
The City of Raleigh consents to the connection and extension of the City Public Water System to the site shown on this plan. The property owner, design consultant, and contractor are each responsible for compliance with all applicable City, State and Federal laws. This specific authorization does not constitute 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.	
City of Raleigh Department Permit #	SC-2021-09-1985
Authorization to Construct	See 2021-09-1985

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION

Plans for the proposed work have been reviewed for general compliance with applicable codes. This limited review and authorization for construction is not to be construed to represent total compliance with all legal requirements for construction and construction. The property owner, design consultant, and contractor are each responsible for compliance with all applicable City, State and Federal laws. This specific authorization does not constitute 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 submitted by this approval must proceed in accordance with the plans kept on file with the City. This electronic approval may not be altered once issued. Any modification to this approval once issued will invalidate this approval.

City of Raleigh Development Approval
 City of Raleigh Review Officer
SITE PERMITTING APPROVAL

Water and Sewer Permits (if applicable)

The City of Raleigh consents to the connection and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 5.

The City of Raleigh consents to the connection and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 5.

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 construction methods used for this project shall conform to the standards and specifications of the City Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 5.

SEE SHEET CD.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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

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, NC.

Town Engineer: _____ Date: _____
 These plans are approved by the Town of Knightdale and serve as construction plans for this project.
 By: _____ Date: _____
 Administrator

FINAL DRAWINGS - NOT RELEASED FOR CONSTRUCTION

LEGEND

SCM STORMWATER CONTROL MEASURE

McADAMS
 The John R. McAdams Company, Inc.
 2905 Meridian Parkway
 Durham, NC 27713
 phone 919.361.5000
 fax 919.361.2269
 license number: C-0299, C-187
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CLIENT
 ALLIANCE GROUP OF NC, LLC
 7208 FALLS OF NEUSE RD, SUITE 101
 RALEIGH, NORTH CAROLINA 27615
 JACOB ANDERSON
 PHONE: 919.239.9485



**DOWNTOWN NORTH AT
 KNIGHTDALE STATION
 CONSTRUCTION DRAWINGS - PHASE 2
 N SMITHFIELD ROAD
 KNIGHTDALE, NORTH CAROLINA**



REVISIONS

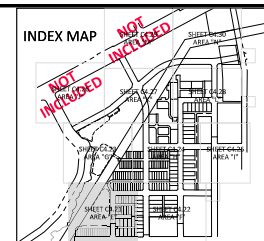
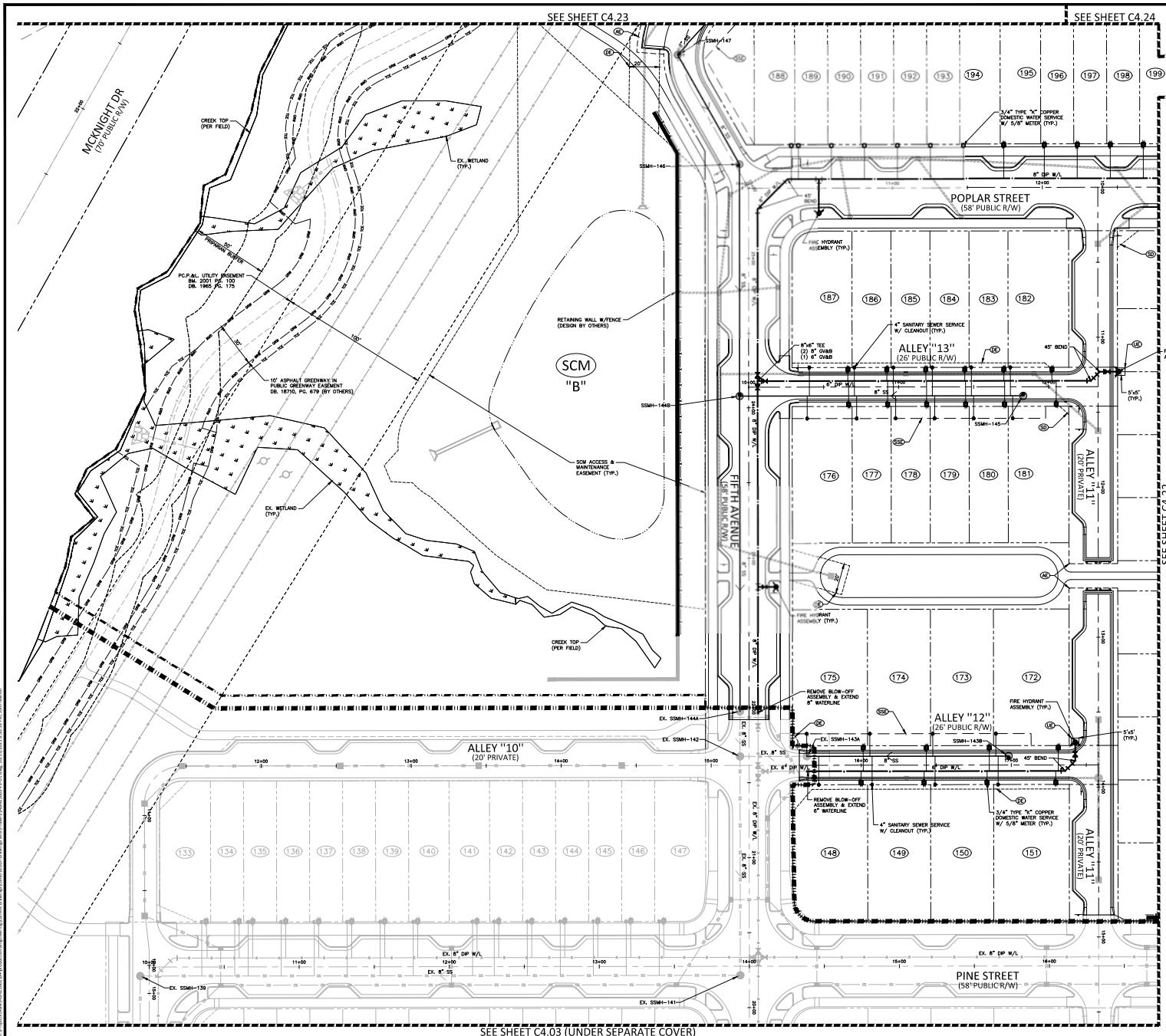
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PLAN INFORMATION

PROJECT NO: AGN-21002
 FILENAME: AGN21002-P2-01A11
 CHECKED BY: JCM / TEP
 DRAWN BY: MRC / LRS / RAD
 SCALE: 1"=120'
 DATE: 10.13.2023
SHEET

OVERALL UTILITY PLAN

C4.20



- UTILITY LEGEND**
- FIRE HYDRANT ASSEMBLY (FHA)
 - WATER METER
 - FIRE DEPARTMENT CONNECTION (FDC)
 - POST INDICATOR VALVE
 - WATER VALVE (OV&M)
 - VALVE IN MANHOLE
 - REDUCER
 - PLUG
 - BLOW-OFF ASSEMBLY
 - SANITARY SEWER MANHOLE (SSM) WITH FRAME ROTATION SPECIFIED
 - SEWER FLOW DIRECTION ARROW
 - LIGHT
 - WATERLINE (DIP W/L)
 - WATER SERVICE LINE
 - UTILITY SLEEVE
 - SANITARY SEWER (SS)
 - SEWER SERVICE LINE
 - EASEMENT LINE

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 Department. Permit # _____
 Authority to Construct: See 2008 Ordinance.

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 material and construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Department. Permit # _____
 Authority to Construct: See 2008 Ordinance.

- EASEMENT LEGEND**
- PUBLIC STORM DRAINAGE EASEMENT
 - PRIVATE STORM DRAINAGE EASEMENT
 - CITY OF RALEIGH WATERLINE EASEMENT
 - PUBLIC ACCESS EASEMENT
 - SETBACKS
 - RETAINING WALL EASEMENT
 - TEMPORARY CONSTRUCTION EASEMENT

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION
 Plans for the proposed work have been reviewed for general compliance with applicable codes. This review, and authorization for construction is not to be considered to represent total compliance with all legal requirements for construction and construction. The property owner, design consultant, and contractor are each responsible for compliance with all applicable City, State and Federal laws. This specific authorization does not constitute 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 a signed approval. 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 relied upon in court. Any modification to this approval must be made on a separate sheet.

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

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 Department. 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 Department. City of Raleigh Public Utilities Department Permit # _____

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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

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, NC.

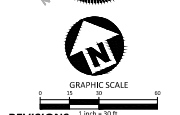
Town Engineer: _____ Date: _____
 These plans are approved by the Town of Knightdale and serve as construction plans for this project.
 By: Administrator

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 RALEIGH, NORTH CAROLINA 27615
 JACOB ANDERSON
 PHONE: 919.239.9486



DOWNTOWN NORTH AT KNIGHTDALE STATION CONSTRUCTION DRAWINGS - PHASE 2
 N SMITHFIELD ROAD
 KNIGHTDALE, NORTH CAROLINA



REVISIONS

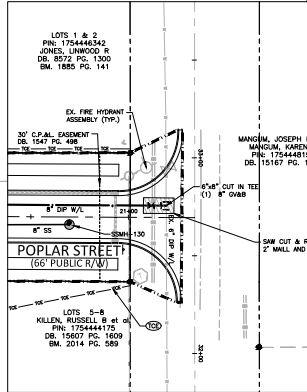
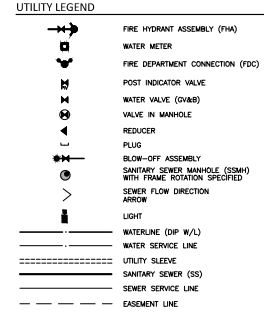
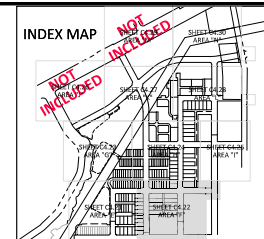
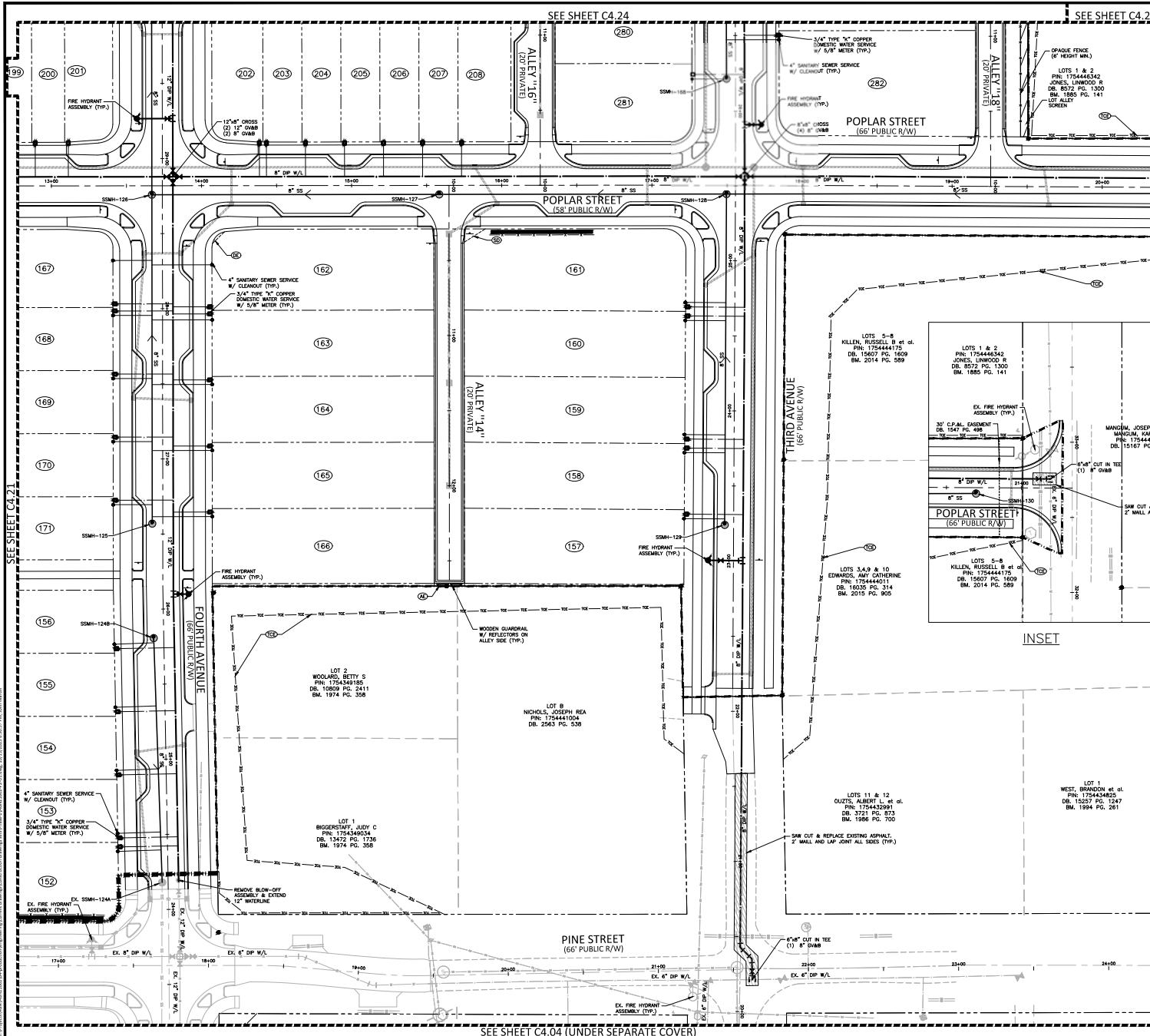
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PLAN INFORMATION

PROJECT NO: AGN-21002
 FILENAME: AGN21002-92-011
 CHECKED BY: JCM / TEP
 DRAWN BY: MRC / LRS / RAD
 SCALE: 1" = 30'
 DATE: 10.13.2023

SHEET
 UTILITY PLAN - AREA "E"
C4.21

FINAL DRAWINGS - NOT RELEASED FOR CONSTRUCTION



Public Sewer Collection / Extension System
 The City of Raleigh certifies to the accuracy and extension of the 300-foot sewer system shown on this plan. The material and construction methods used for this project shall conform to the standards and specifications of the City of Raleigh Public Utilities Department Permit # 2.
 Authority to Construct: See 0808.01010101

Public Water Distribution / Extension System
 The City of Raleigh certifies to the accuracy and extension of the 300-foot water system shown on this plan. The material and construction methods used for this project shall conform to the standards and specifications of the City of Raleigh Public Utilities Department Permit # 2.
 Authority to Construct: See 0808.01010101

EASEMENT LEGEND

- ⊙ PUBLIC STORM DRAINAGE EASEMENT
- ⊙ PRIVATE STORM DRAINAGE EASEMENT
- ⊙ CITY OF RALEIGH WATERLINE EASEMENT
- ⊙ PUBLIC ACCESS EASEMENT
- ⊙ SETBACKS
- ⊙ RETAINING WALL EASEMENT
- ⊙ TEMPORARY CONSTRUCTION EASEMENT
- ⊙ CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION

Plans for the proposed work 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 applicable codes and regulations. The property owner, design consultant, and contractor are each responsible for compliance with all applicable City, State and Federal laws. The specific authorization herein 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. 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 relied upon for any other purpose. Any modification to this approval must be submitted to the City of Raleigh Development Approval City of Raleigh Review Officer.

SITE PERMITTING / APPROVAL
 Water and Sewer Permits (if applicable)
 The City of Raleigh certifies to the connection and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 2.
 The City of Raleigh certifies to the connection and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 2.

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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

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.

Town Engineer: _____ Date: _____
 Administrator: _____

UTILITY PLAN - AREA "P"
C4.22

FINAL DRAWINGS - NOT RELEASED FOR CONSTRUCTION

McADAMS
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 RALEIGH, NORTH CAROLINA 27615
 JACOB ANDERSON
 PHONE: 919.239.9486



DOWNTOWN NORTH AT KNIGHTDALE STATION CONSTRUCTION DRAWINGS - PHASE 2
 N SMITHFIELD ROAD
 KNIGHTDALE, NORTH CAROLINA



REVISIONS 1 inch = 30 ft.

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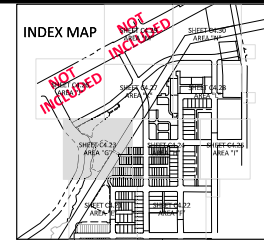
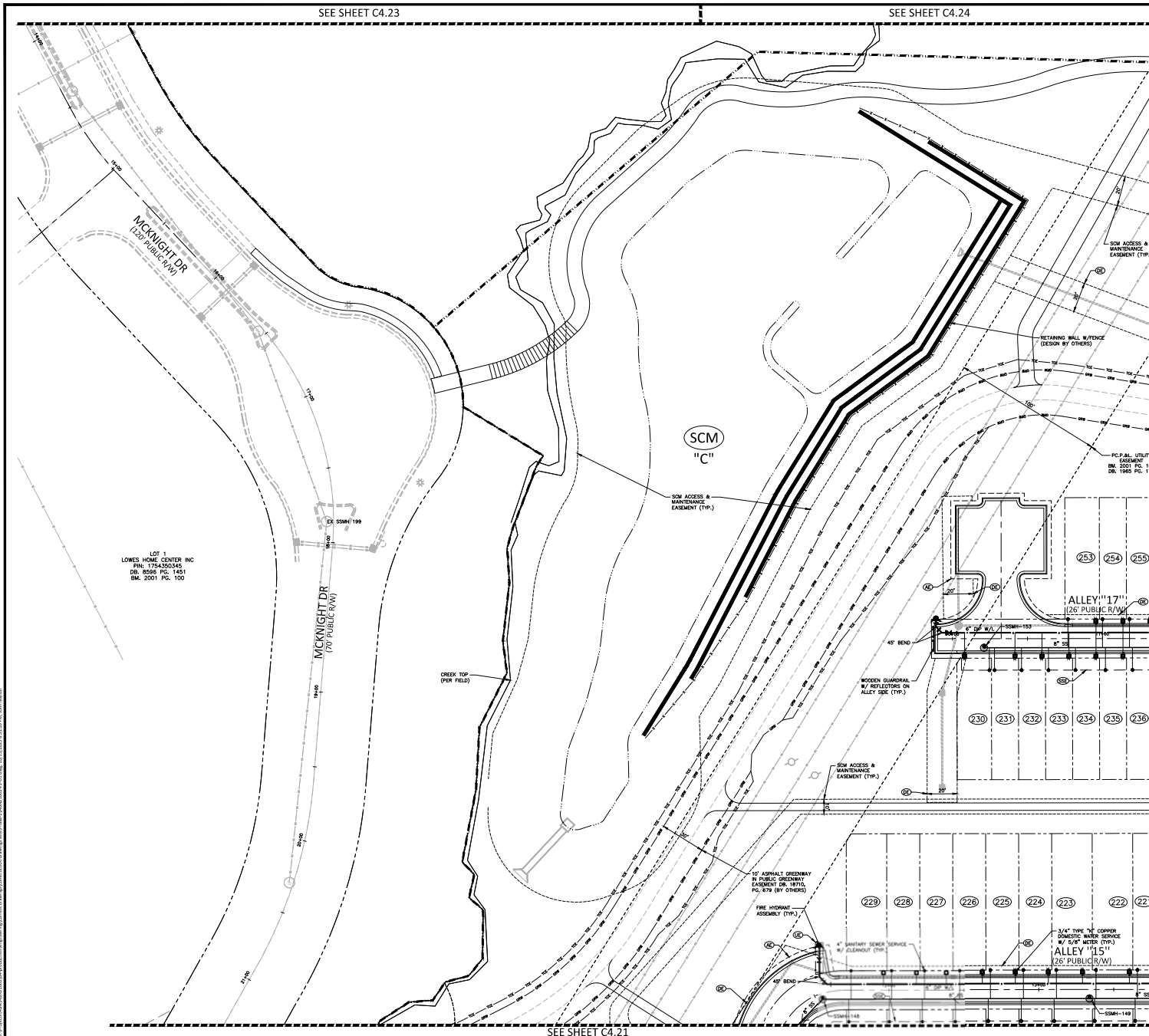
PLAN INFORMATION

PROJECT NO: AGN-21002
 FILENAME: AGN21002-P2-011
 CHECKED BY: JCM / TEP
 DRAWN BY: MRC / LRS / RAD
 SCALE: 1" = 30'
 DATE: 10.13.2023

UTILITY PLAN - AREA "P"
C4.22

SEE SHEET C4.23

SEE SHEET C4.24



UTILITY LEGEND

[Symbol]	FIRE HYDRANT ASSEMBLY (FHA)
[Symbol]	WATER METER
[Symbol]	FIRE DEPARTMENT CONNECTION (FDC)
[Symbol]	POST INDICATOR VALVE
[Symbol]	WATER VALVE (GV&M)
[Symbol]	VALVE IN MANHOLE
[Symbol]	REDUCER
[Symbol]	PLUG
[Symbol]	BLOW-OFF ASSEMBLY
[Symbol]	SANITARY SEWER MANHOLE (SSM#) WITH FRAME ROTATION SPECIFIED
[Symbol]	SEWER FLOW DIRECTION ARROW
[Symbol]	LIGHT
[Symbol]	WATERLINE (DIP W/L)
[Symbol]	WATER SERVICE LINE
[Symbol]	UTILITY SLEEVE
[Symbol]	SANITARY SEWER (SS)
[Symbol]	SEWER SERVICE LINE
[Symbol]	EASEMENT LINE

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 Department Permit # 5-2.

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 material and construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Department Permit # 5-2.

SEE SHEET C4.24

EASEMENT LEGEND

[Symbol]	PUBLIC STORM DRAINAGE EASEMENT
[Symbol]	PRIVATE STORM DRAINAGE EASEMENT
[Symbol]	CITY OF RALEIGH WATERLINE EASEMENT
[Symbol]	CITY OF RALEIGH SANITARY SEWER EASEMENT
[Symbol]	PUBLIC ACCESS EASEMENT
[Symbol]	SETBACKS
[Symbol]	RETAINING WALL EASEMENT
[Symbol]	TEMPORARY CONSTRUCTION EASEMENT

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION
 Plans for the proposed work have been reviewed for general compliance with applicable codes. The listed review and authorization for construction is not to be considered to represent total compliance with all legal requirements for construction and construction. The property owner, design consultant, and contractor are each responsible for compliance with all applicable City, State and Federal laws. This specific authorization does not constitute 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.

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City of Raleigh Development Approval
 City of Raleigh Review Officer

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 # 5-2.

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 # 5-2.

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 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 # 5-2.

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES.

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

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, NC.

Town Engineer: _____ Date: _____
 These plans are approved by the Town of Knightdale and serve as construction plans for this project.
 Administrator: _____ Date: _____

FINAL DRAWINGS - NOT RELEASED FOR CONSTRUCTION

McADAMS
 The John R. McAdams Company, Inc.
 2905 Meridian Parkway
 Durham, NC 27713
 phone 919.361.5000
 fax 919.361.2269
 license number: C-0299, C-187
 www.mcadamsco.com

CLIENT
 ALLIANCE GROUP OF NC, LLC
 7208 FALLS OF NEUSE RD, SUITE 101
 RALEIGH, NORTH CAROLINA 27615
 JACOB ANDERSON
 PHONE: 919.239.9486

DOWNTOWN NORTH AT KNIGHTDALE STATION CONSTRUCTION DRAWINGS - PHASE 2
 N SMITHFIELD ROAD
 KNIGHTDALE, NORTH CAROLINA

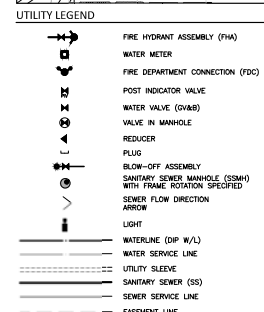
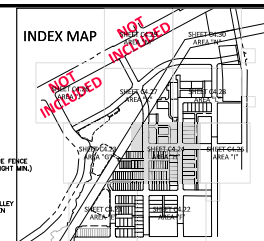
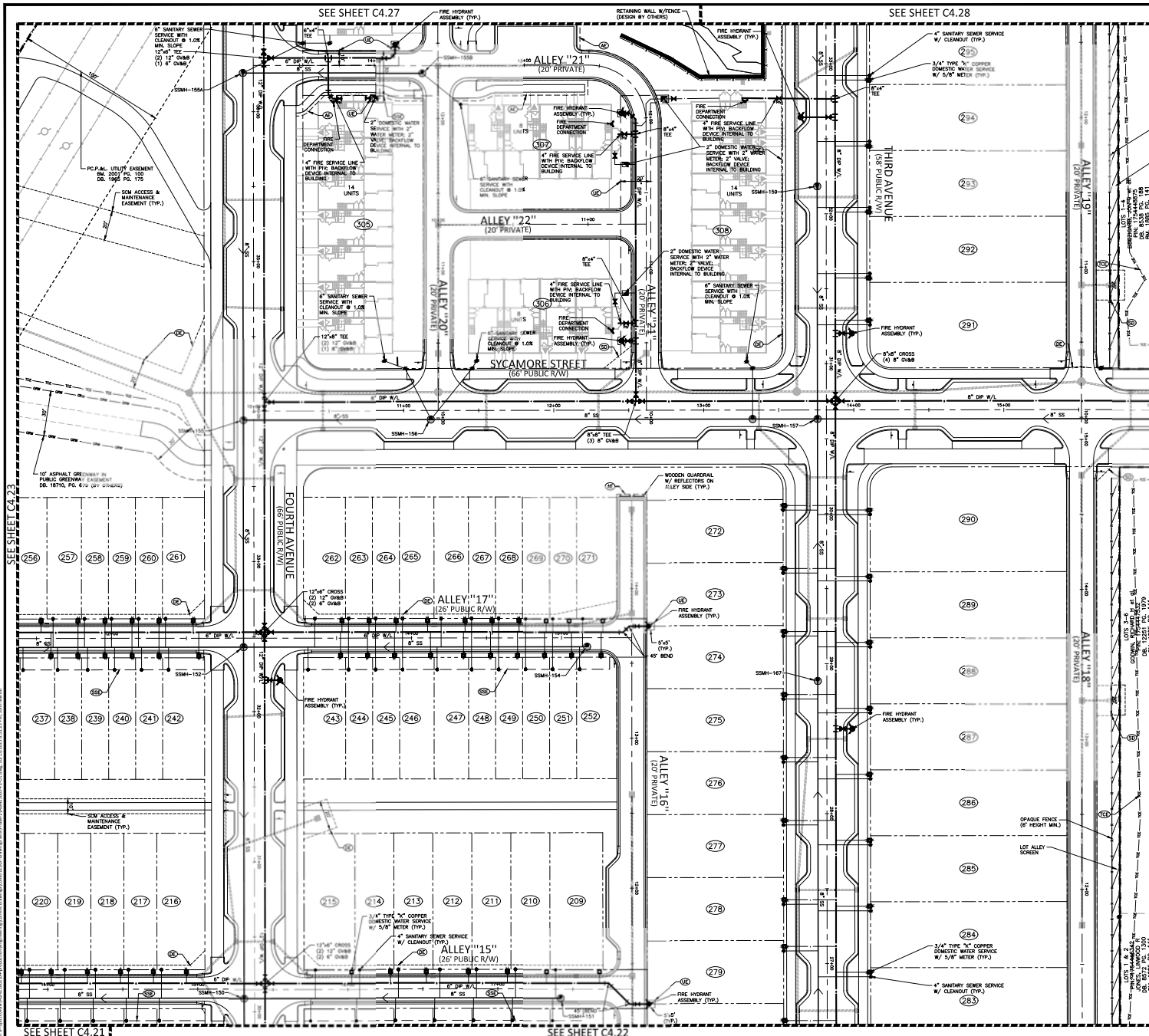
REVISIONS

NO.	DATE
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PLAN INFORMATION

PROJECT NO.	AGN-11002
FILENAME	AGN21002-P2-011
CHECKED BY	JCM / TEP
DRAWN BY	MRC / LRS / RAD
SCALE	1" = 30'
DATE	10.13.2023

UTILITY PLAN - AREA "G"
C4.23



Public Sewer Collection / Extension System
 The City of Raleigh consents to the connection and extension of the City 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 Public Utilities Department Permit # 5-2.
 Authority to Construct: See 805.05(1)(b).

Public Water Distribution / Extension System
 The City of Raleigh consents to the connection and extension of the City 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 Public Utilities Department Permit # 5-2.
 Authority to Construct: See 805.05(1)(b).

- EASEMENT LEGEND**
- (S) PUBLIC STORM DRAINAGE EASEMENT
 - (P) PRIVATE STORM DRAINAGE EASEMENT
 - (C) CITY OF RALEIGH WATERLINE EASEMENT
 - (SS) CITY OF RALEIGH SANITARY SEWER EASEMENT
 - (A) PUBLIC ACCESS EASEMENT
 - (R) SETBACKS
 - (W) RETAINING WALL EASEMENT
 - (T) TEMPORARY CONSTRUCTION EASEMENT

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION
 Plans for the proposed work have been reviewed for general compliance with applicable codes. The United review, and authorization for construction is not to be construed to represent total compliance with all legal requirements for construction and construction. The property owner, design consultant, and contractor are each responsible for compliance with all applicable City, State and Federal laws. This specific authorization does not constitute 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: _____

SITE PERMITTING APPROVAL
 Water and Sewer Permits (if applicable)
 The City of Raleigh consents to the connection and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 5-2.
 The City of Raleigh consents to the connection and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 5-2.
 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 construction methods used for this project shall conform to the standards and specifications of the City Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 5-2.

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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

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.

Town Engineer: _____ Date: _____
 These plans are approved by the Town of Knightdale and serve as construction plans for this project.
 Administrator: _____

FINAL DRAWINGS - NOT RELEASED FOR CONSTRUCTION

McADAMS
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DOWNTOWN NORTH AT KNIGHTDALE STATION CONSTRUCTION DRAWINGS - PHASE 2
 N SMITHFIELD ROAD
 KNIGHTDALE, NORTH CAROLINA

GRAPHIC SCALE
 1 inch = 30 feet

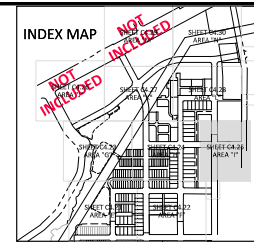
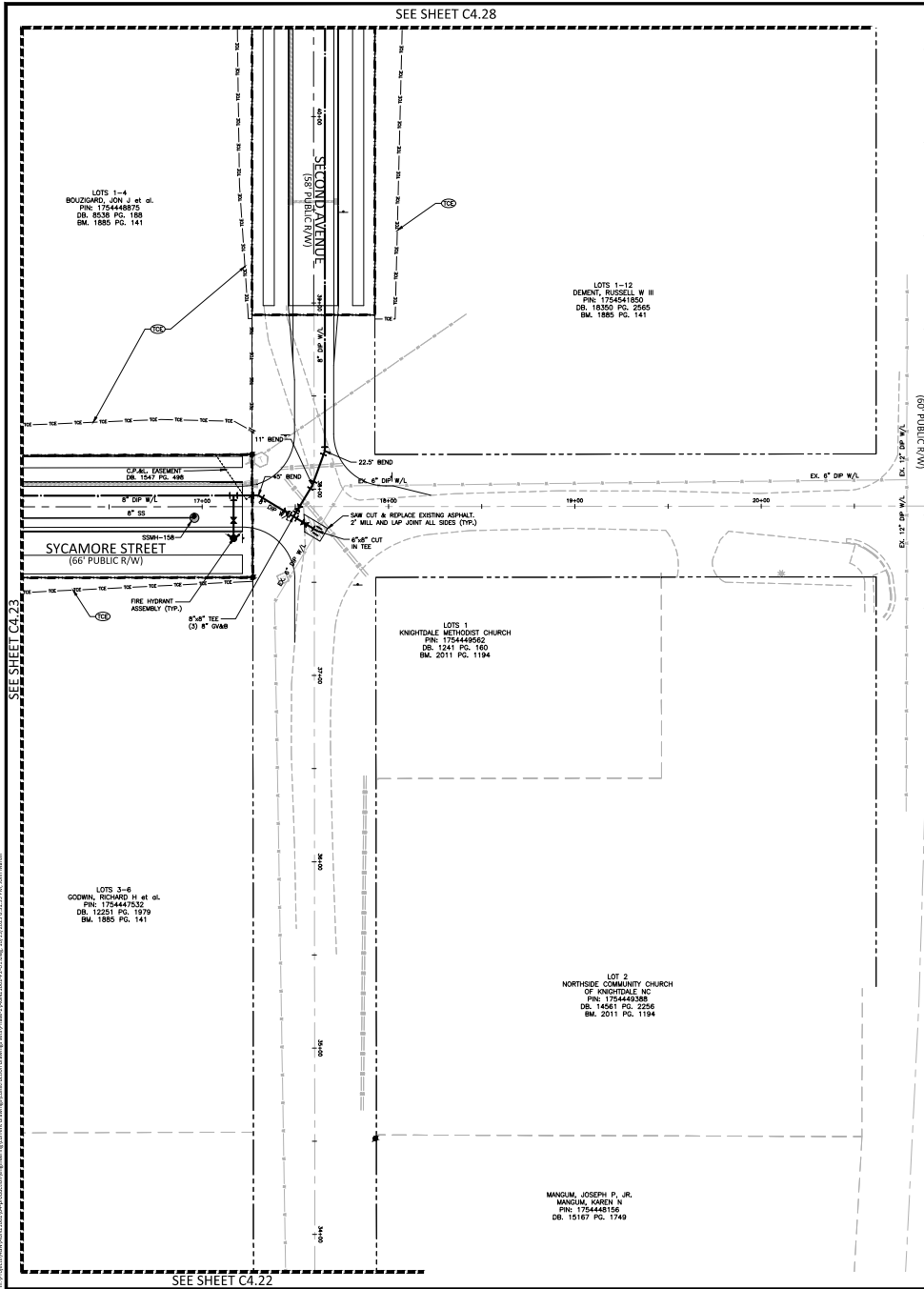
REVISIONS

NO.	DATE
1	
2	
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PLAN INFORMATION

PROJECT NO: AGN-1002
 FILENAME: AGN21002-P2-011
 CHECKED BY: JCM / TEP
 DRAWN BY: MRC / LRS / RAD
 SCALE: 1" = 30'
 DATE: 10.13.2023

UTILITY PLAN - AREA "H"
C4.24



McADAMS
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JACOB ANDERSON
PHONE: 919.239.9486



**DOWNTOWN NORTH AT
KNIGHTDALE STATION
CONSTRUCTION DRAWINGS - PHASE 2
N SMITHFIELD ROAD
KNIGHTDALE, NORTH CAROLINA**

- UTILITY LEGEND**
- FIRE HYDRANT ASSEMBLY (FHA)
 - WATER METER
 - FIRE DEPARTMENT CONNECTION (FDC)
 - POST INDICATOR VALVE
 - WATER VALVE (GV&B)
 - VALVE IN MANHOLE
 - REDUCER
 - PLUG
 - BLOW-OFF ASSEMBLY
 - SANITARY SEWER MANHOLE (SSMH) WITH FRAME ROTATION SPECIFIED
 - SEWER FLOW DIRECTION ARROW
 - LIGHT
 - WATERLINE (DIP W/L)
 - WATER SERVICE LINE
 - UTILITY SLEEVE
 - SANITARY SEWER (SS)
 - SEWER SERVICE LINE
 - EASEMENT LINE

Public
Sewer Collection / Extension System
The City of Raleigh consents to the installation and extension of the City's Public Sewer System as shown on this plan. The materials and construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Department Permit # 5-3-1.
Authority to Construct: **Sec. 200-200-0101(a)**

Public
Water Distribution / Extension System
The City of Raleigh consents to the installation and extension of the City's Public Water System as shown on this plan. The materials and construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Department Permit # 5-3-1.
Authority to Construct: **Sec. 200-200-0101(a)**

- EASEMENT LEGEND**
- PUBLIC STORM DRAINAGE EASEMENT
 - PRIVATE STORM DRAINAGE EASEMENT
 - CITY OF RALEIGH WATERLINE EASEMENT
 - CITY OF RALEIGH SANITARY SEWER EASEMENT
 - PUBLIC ACCESS EASEMENT
 - SETBACKS
 - RETAINING WALL EASEMENT
 - TEMPORARY CONSTRUCTION EASEMENT

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION
Plans for the proposed work 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 construction 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 does not constitute 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 Laws, 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 herein. 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 relied upon in any way. Any modification to this approval must be submitted to the City.

City of Raleigh Development Approval City of Raleigh Review Officer
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 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 # 5-3-1.
The City of Raleigh consents to the connection and extension of the City's Public Water System as shown on this plan. 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 # 5-3-1.
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 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 # 5-3-1.

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES.

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.

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, NC. Date: _____
Town Engineer: _____
These plans are approved by the Town of Knightdale and serve as construction plans for this project.
By: _____ Date: _____
Administrator



REVISIONS

NO.	DATE
1.	
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PLAN INFORMATION

PROJECT NO: AGN-21002
FILENAME: AGN21002-P2-4J1
CHECKED BY: JCM / TEP
DRAWN BY: MRC / LRS / RAD
SCALE: 1" = 30'
DATE: 10.13.2023

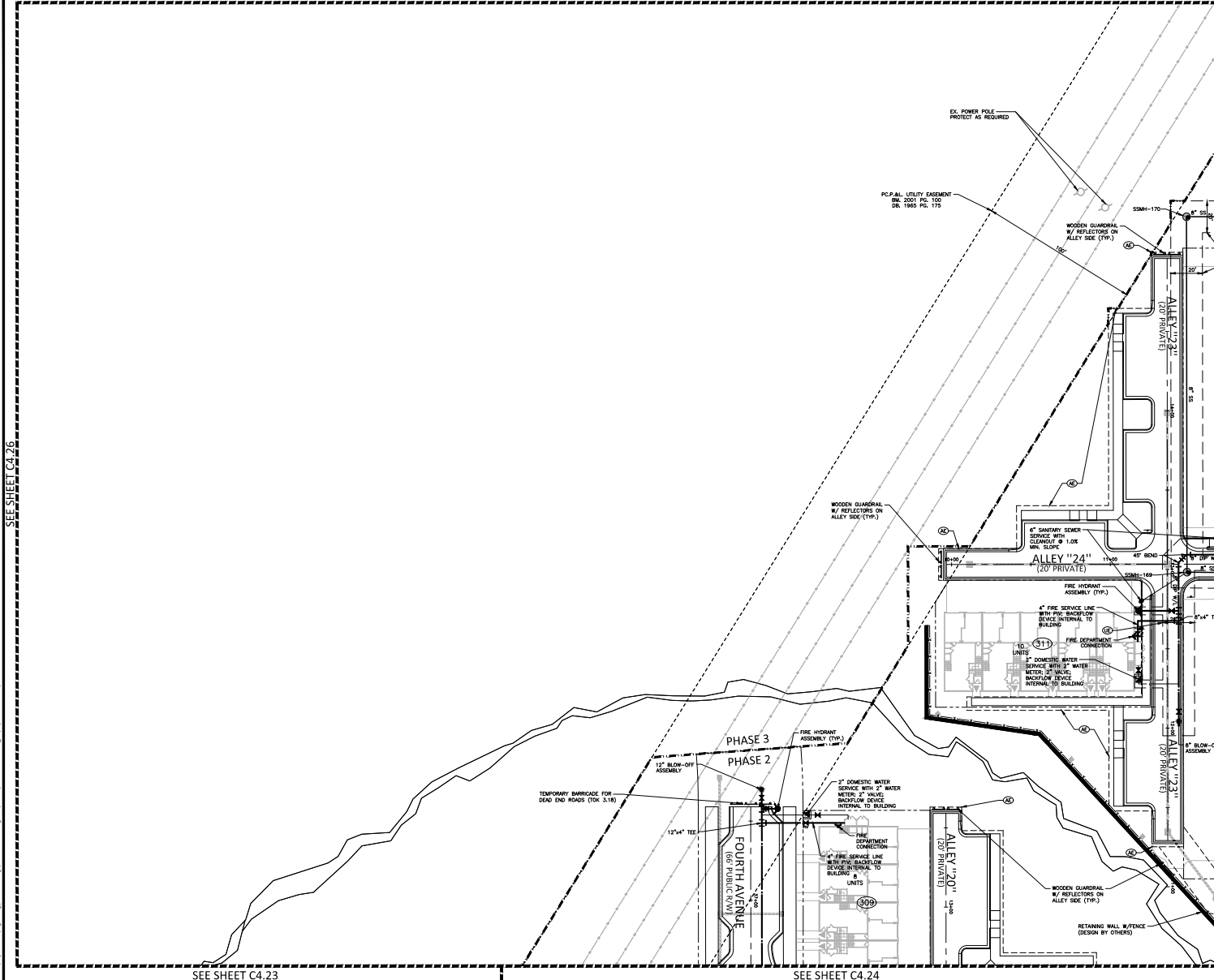
SHEET

UTILITY PLAN - AREA "1"

C4.25

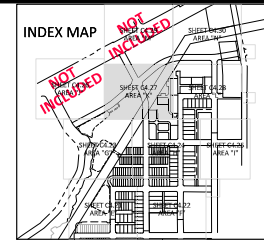
SEE SHEET C4.29

SEE SHEET C4.26



SEE SHEET C4.23

SEE SHEET C4.24



UTILITY LEGEND

- FIRE HYDRANT ASSEMBLY (FHA)
- WATER METER
- FIRE DEPARTMENT CONNECTION (FDC)
- POST INDICATOR VALVE
- WATER VALVE (GV&B)
- VALVE IN MANHOLE
- REDUCER
- PLUG
- BLOW-OFF ASSEMBLY
- SANITARY SEWER MANHOLE (SSMH) WITH FRAME ROTATION SPECIFIED
- SEWER FLOW DIRECTION ARROW
- LIGHT
- WATERLINE (DIP W/L)
- WATER SERVICE LINE
- UTILITY SLEEVE
- SANITARY SEWER (SS)
- SEWER SERVICE LINE
- EASEMENT LINE

Public Sewer Collection / Extension System
 The City of Raleigh consents to the installation and extension of the 4" sanitary sewer service line to the property shown on this plan. This consent is subject to the approval of the City of Raleigh Public Utilities Department. This consent is not to be construed as a warranty of performance or a guarantee of results. The City of Raleigh reserves the right to modify or terminate this consent at any time without notice. This consent is not to be construed as a warranty of performance or a guarantee of results. The City of Raleigh reserves the right to modify or terminate this consent at any time without notice.

Public Water Distribution / Extension System
 The City of Raleigh consents to the installation and extension of the 2" domestic water service line to the property shown on this plan. This consent is subject to the approval of the City of Raleigh Public Utilities Department. This consent is not to be construed as a warranty of performance or a guarantee of results. The City of Raleigh reserves the right to modify or terminate this consent at any time without notice.

EASEMENT LEGEND

- ⊗ PUBLIC STORM DRAINAGE EASEMENT
- ⊖ PRIVATE STORM DRAINAGE EASEMENT
- ⊕ CITY OF RALEIGH WATERLINE EASEMENT
- ⊙ CITY OF RALEIGH SANITARY SEWER EASEMENT
- ⊚ PUBLIC ACCESS EASEMENT
- ⊛ SETBACKS
- ⊜ RETAINING WALL EASEMENT
- ⊝ TEMPORARY CONSTRUCTION EASEMENT

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 construed 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 does not constitute 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 Laws, Rules, and Federal Rules and Regulations.

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

SITE PERMITTING APPROVAL
 Water and Sewer Permits (if applicable)
 The City of Raleigh consents to the connection and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department, Part 2. _____

The City of Raleigh consents to the connection and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department, Part 2. _____

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 construction methods used for this project shall conform to the standards and specifications of the City Public Utilities Handbook, City of Raleigh Public Utilities Department, Part 2. _____

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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

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.

Town Engineer: _____ Date: _____
 These plans are approved by the Town of Knightdale and serve as construction plans for this project.
 By: _____ Date: _____
 Administrator

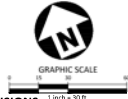
FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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**DOWNTOWN NORTH AT
 KNIGHTDALE STATION
 CONSTRUCTION DRAWINGS - PHASE 2
 N SMITHFIELD ROAD
 KNIGHTDALE, NORTH CAROLINA**



REVISIONS

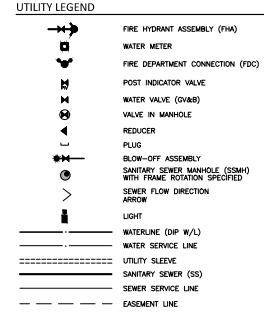
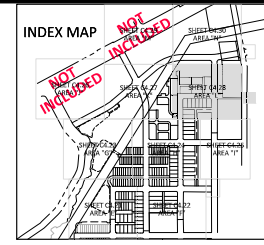
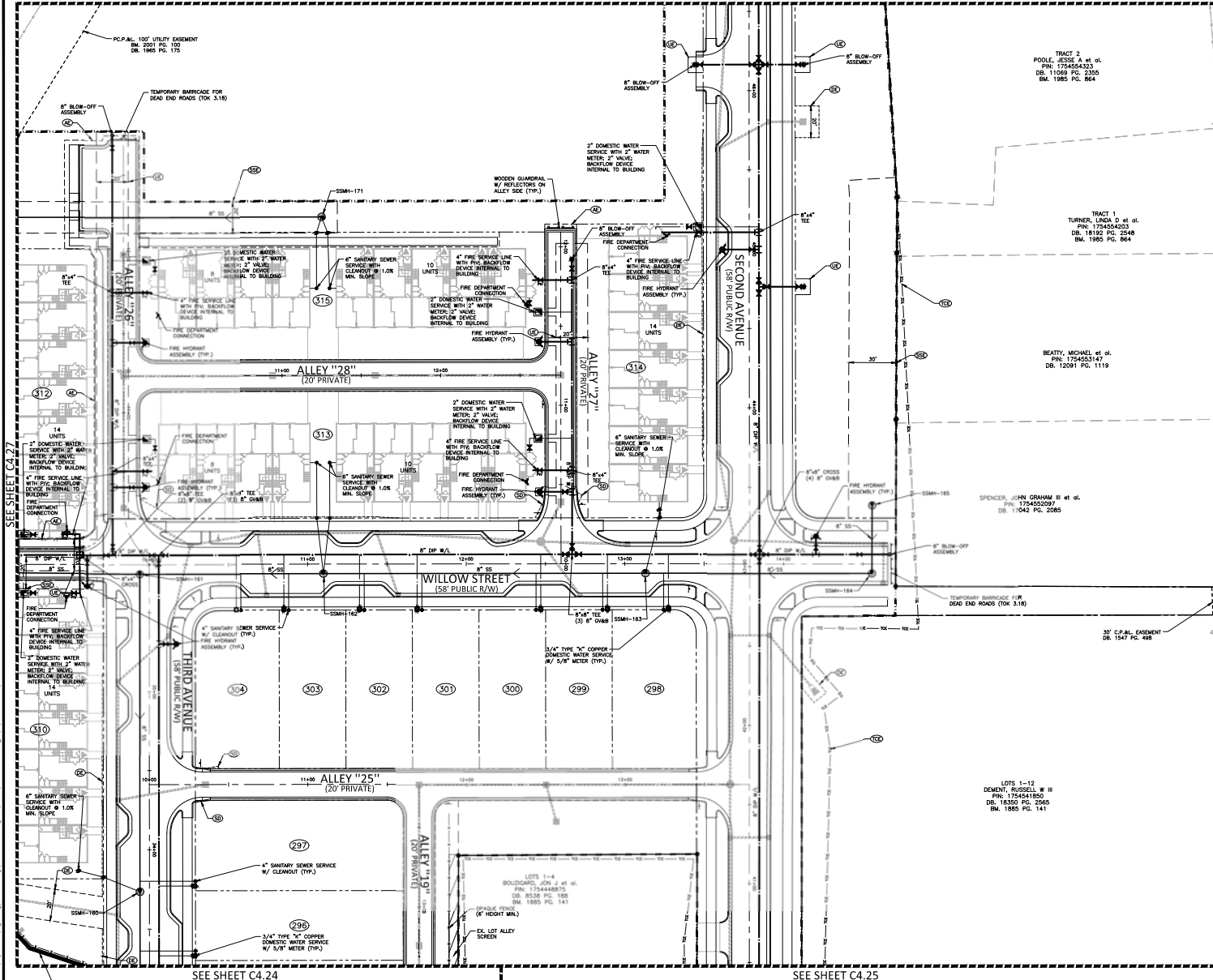
NO.	DATE	DESCRIPTION
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PLAN INFORMATION

PROJECT NO.: AGN-21002
 FILENAME: AGN21002-P2-A11
 CHECKED BY: JCM / TEP
 DRAWN BY: MRC / LRS / RAD
 SCALE: 1" = 30'
 DATE: 10.13.2023

UTILITY PLAN - AREA "K"
C4.27

SEE SHEET C4.30



Public Sewer Collection / Extension System
 The City of Raleigh reserves the authority and jurisdiction of the City of Raleigh Public Utilities Department to review and approve all plans and specifications for the collection and extension of the City of Raleigh Public Utilities Department's sewer system. The City of Raleigh Public Utilities Department reserves the right to require the applicant to provide a performance bond for the construction of the sewer system. The City of Raleigh Public Utilities Department reserves the right to require the applicant to provide a performance bond for the construction of the sewer system. The City of Raleigh Public Utilities Department reserves the right to require the applicant to provide a performance bond for the construction of the sewer system.

Public Water Distribution / Extension System
 The City of Raleigh reserves the authority and jurisdiction of the City of Raleigh Public Utilities Department to review and approve all plans and specifications for the distribution and extension of the City of Raleigh Public Utilities Department's water system. The City of Raleigh Public Utilities Department reserves the right to require the applicant to provide a performance bond for the construction of the water system. The City of Raleigh Public Utilities Department reserves the right to require the applicant to provide a performance bond for the construction of the water system. The City of Raleigh Public Utilities Department reserves the right to require the applicant to provide a performance bond for the construction of the water system.

EASEMENT LEGEND

- (S) PUBLIC STORM DRAINAGE EASEMENT
- (P) PRIVATE STORM DRAINAGE EASEMENT
- (C) CITY OF RALEIGH WATERLINE EASEMENT
- (A) PUBLIC ACCESS EASEMENT
- (B) SETBACKS
- (T) TEMPORARY WALL EASEMENT
- (E) TEMPORARY CONSTRUCTION EASEMENT
- (R) CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION

Plans for the proposed work have been reviewed for general compliance with applicable codes. The United review, and authorization for construction is not to be considered to represent total compliance with all applicable requirements for construction and construction. The property owner, design consultant, and contractor are each responsible for compliance with all applicable City, State and Federal laws. The specific authorization herein 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.

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City of Raleigh Development Approval
 City of Raleigh Review Officer

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, Part 3 - 2.

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, Part 3 - 2.

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 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, Part 3 - 2.

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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

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.

Town Engineer
 These plans are approved by the Town of Knightdale and serve as construction plans for this project.
 By: Administrator Date: _____

FINAL DRAWINGS - NOT RELEASED FOR CONSTRUCTION

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 JACOB ANDERSON
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DOWNTOWN NORTH AT KNIGHTDALE STATION CONSTRUCTION DRAWINGS - PHASE 2
 N SMITHFIELD ROAD
 KNIGHTDALE, NORTH CAROLINA



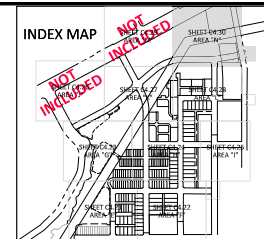
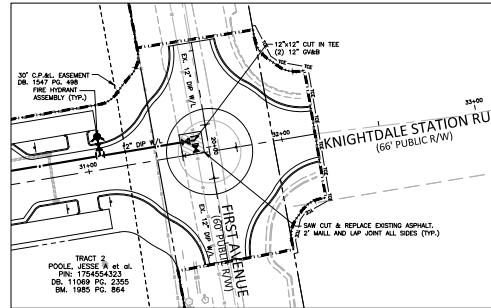
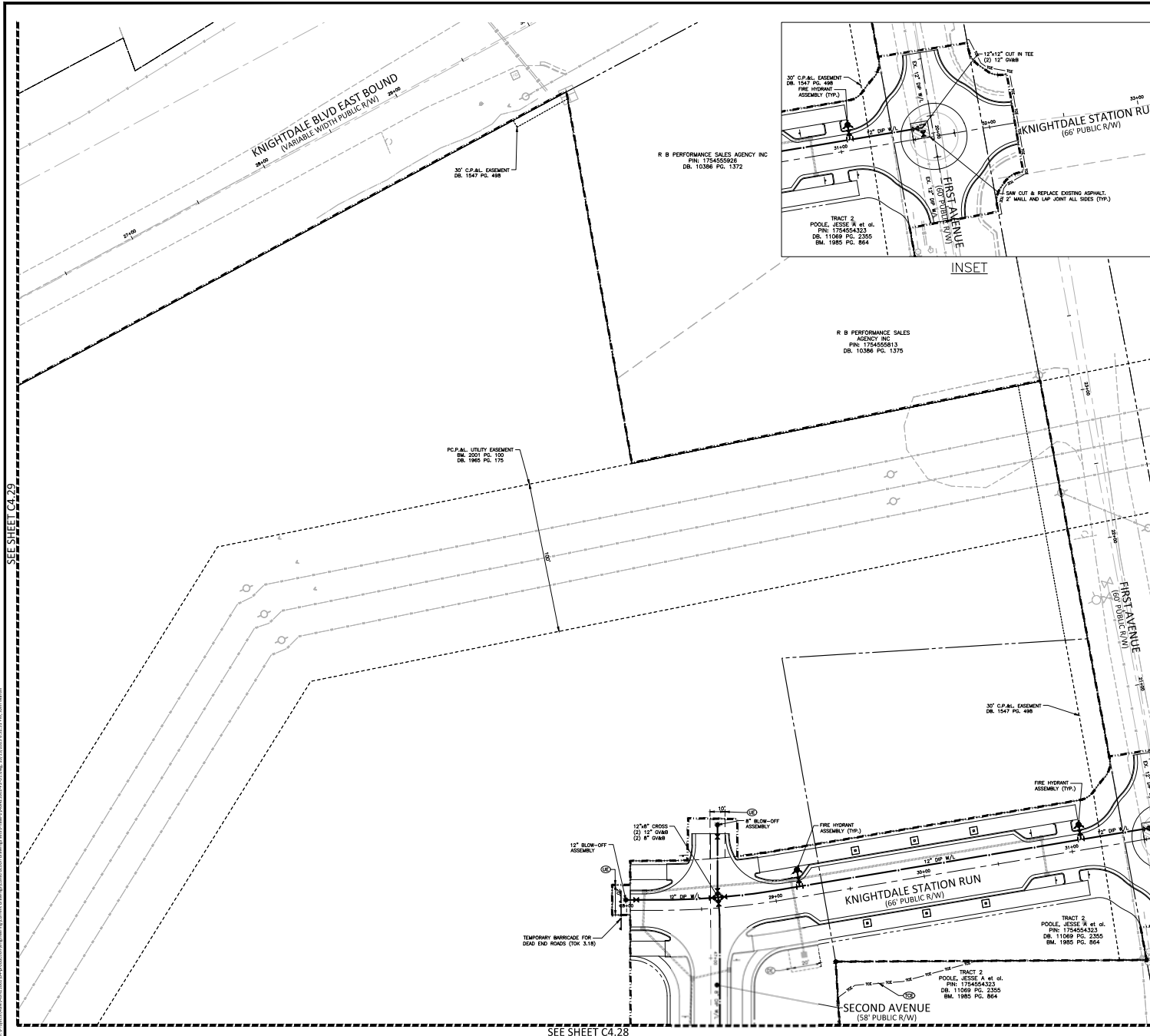
REVISIONS

NO.	DATE	DESCRIPTION
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PLAN INFORMATION

PROJECT NO: AGN-21002
 FILENAME: AGN21002-P2-011
 CHECKED BY: JCM / TEP
 DRAWN BY: MRC / LRS / RAD
 SCALE: 1" = 30'
 DATE: 10.13.2023

UTILITY PLAN - AREA "L1"
C4.28



UTILITY LEGEND

	FIRE HYDRANT ASSEMBLY (FHA)
	WATER METER
	FIRE DEPARTMENT CONNECTION (FDC)
	POST INDICATOR VALVE
	WATER VALVE (GV&B)
	VALVE IN MANHOLE
	REDUCER
	PLUG
	BLOW-OFF ASSEMBLY
	SANITARY SEWER MANHOLE (SSMH) WITH FRAME ROTATION SPECIFIED
	SEWER FLOW DIRECTION ARROW
	LIGHT
	WATERLINE (DIP W/L)
	WATER SERVICE LINE
	UTILITY SLEEVE
	SANITARY SEWER (SS)
	SEWER SERVICE LINE
	EASEMENT LINE

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 Department Permit # 5-...

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 material and construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Department Permit # 5-...

EASEMENT LEGEND

- Public Storm Drainage Easement
- Private Storm Drainage Easement
- City of Raleigh Waterline Easement
- City of Raleigh Sanitary Sewer Easement
- Public Access Easement
- Setbacks
- Retaining Wall Easement
- Temporary Construction Easement

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION

Plans for the proposed work 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 construction and construction. The property owner, design consultant, and contractor are each responsible for compliance with all applicable City, State and Federal laws. This specific authorization does not constitute 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 Laws, Rules 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 herein. The City will retain a copy of the approved plans. Any work submitted 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

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 Department Permit # 5-...

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 Department Permit # 5-...

SEE SHEET C4.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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

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.

Town Engineer: _____ Date: _____
 These plans are approved by the Town of Knightdale and serve as construction plans for this project.
 By: Administrator Date: _____

McADAMS
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CLIENT
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 RALEIGH, NORTH CAROLINA 27615
 JACOB ANDERSON
 PHONE: 919.239.9486



DOWNTOWN NORTH AT KNIGHTDALE STATION CONSTRUCTION DRAWINGS - PHASE 2
 N SMITHFIELD ROAD
 KNIGHTDALE, NORTH CAROLINA



REVISIONS

NO.	DATE
1	
2	
3	
4	
5	

PLAN INFORMATION

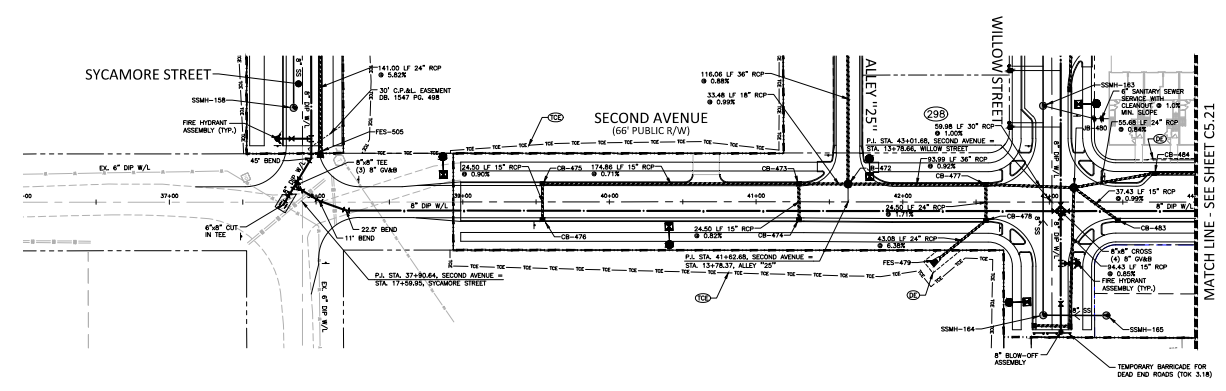
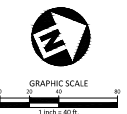
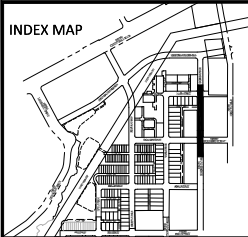
PROJECT NO: AGN-21002
 FILENAME: AGN21002-P2-011
 CHECKED BY: JCM / TEP
 DRAWN BY: MRC / LRS / RAD
 SCALE: 1" = 30'
 DATE: 10.13.2023

UTILITY PLAN - AREA "N"
C4.30

SEE SHEET C4.29

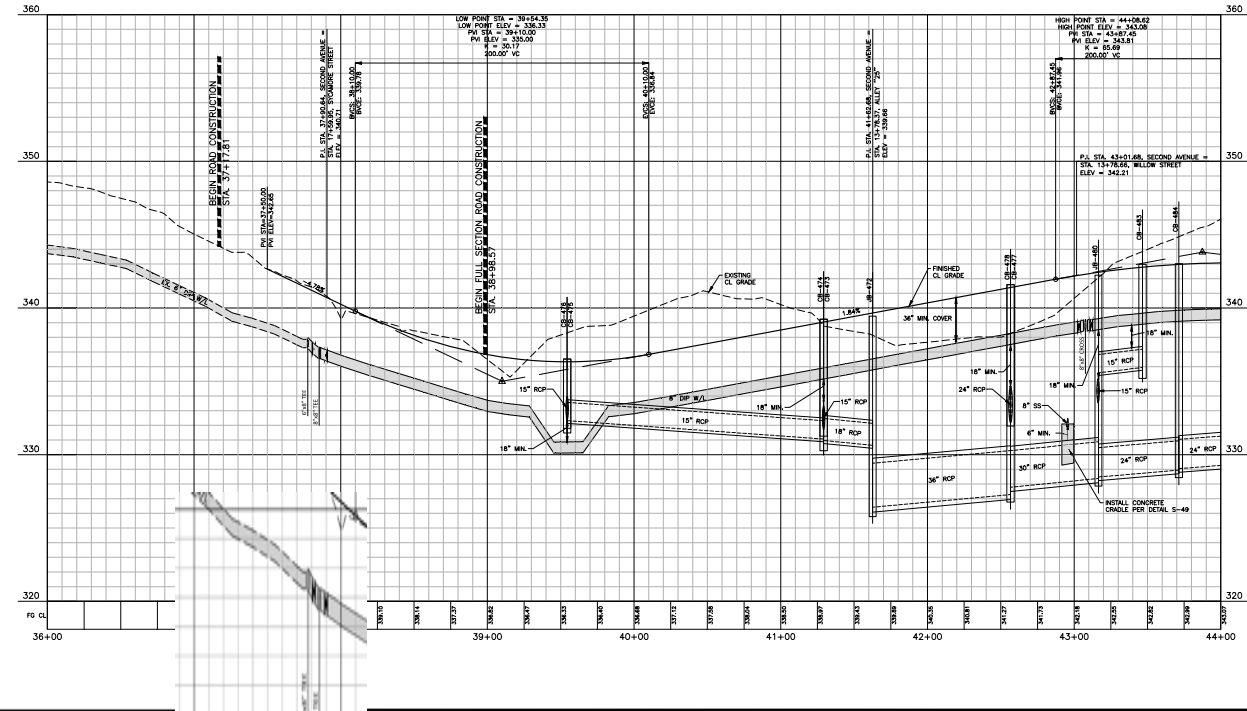
SEE SHEET C4.28

FINAL DRAWINGS - NOT RELEASED FOR CONSTRUCTION



- CB-473 (NCDOT) 84(0.03)
STA 41+29.17
T/C=336.29
NV N=331.07 (CB-475)
NV N=331.80 (CB-474)
NV CUT=330.97
- CB-474 (NCDOT) 84(0.03)
STA 42+29.29
T/C=336.29
NV CUT=332.00
- CB-475 (NCDOT) 84(0.03)
STA 38+54.33
T/C=336.29
NV N=332.42 (CB-476)
NV CUT=332.52
- CB-476 (NCDOT) 84(0.03)
T/C=336.29
NV CUT=332.64
- CB-477 (NCDOT) 84(0.03)
STA 42+40.64
T/C=336.29
NV N=327.78 (CB-480)
NV N=328.21 (CB-478)
NV CUT=327.28
- CB-478 (NCDOT) 84(0.03)
STA 42+40.64
T/C=336.29
NV N=324.00 (FES-479)
NV CUT=328.00
- CB-481 (NCDOT) 84(0.03)
STA 43+46.68
NV CUT=336.99
- CB-484 (NCDOT) 84(0.03)
STA 43+71.43
T/C=336.29
NV N=329.05 (CB-485)
NV CUT=328.00
- JB-472 (STANDARD)
STA 41+42.00
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RM=328.45
NV N=328.45 (CB-477)
NV N=330.64 (CB-475)
NV CUT=328.50
- JB-480 (STANDARD)
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RM=342.24
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NV N=335.58 (CB-483)
NV N=333.64 (CB-475)
NV CUT=328.38
- FES-479
NV=346.75
- FES-508
NV=336.20

SECOND AVENUE



EASEMENT LEGEND

- ⊖ PUBLIC STORM DRAINAGE EASEMENT
- ⊖ PRIVATE STORM DRAINAGE EASEMENT
- ⊖ CITY OF RALEIGH WATERLINE EASEMENT
- ⊖ CITY OF RALEIGH SANITARY SEWER EASEMENT
- ⊖ PUBLIC ACCESS EASEMENT
- ⊖ RETAINING WALL EASEMENT
- ⊖ TEMPORARY CONSTRUCTION EASEMENT

SEE SHEET C5.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION
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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 filed on file with the City. This electronic approval may not be relied upon outside the approved project.
City of Raleigh Development Approval
City of Raleigh Review Officer

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 # 3-...
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 # 3-...
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 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 # 3-...

Public Sewer Collection / Extension System	Public Water Distribution / 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 # 3-...	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 # 3-...
Authorization to Construct: See Utility Division	Authorization to Construct: See Utility Division

Seal Confirmation: 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: _____
These plans are approved by the Town of Knightdale and serve as construction plans for this project.
By: _____ Date: _____
Administrator

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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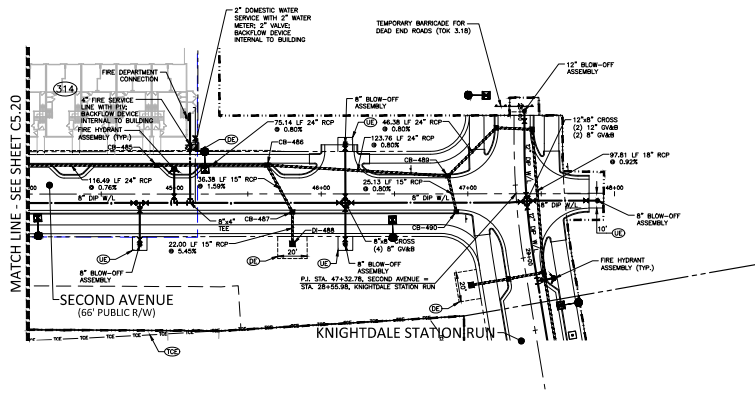
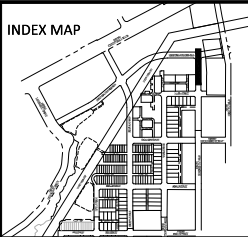
CLIENT
ALLIANCE GROUP OF NC, LLC
7208 FALLS OF NEUSE RD, SUITE 10
RALEIGH, NORTH CAROLINA 27615
JACOB ANDERSON
PHONE: 919.239.9486



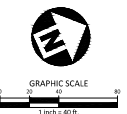
DOWNTOWN NORTH AT KNIGHTDALE STATION
CONSTRUCTION DRAWINGS - PHASE 2
N SMITHFIELD ROAD
KNIGHTDALE, NORTH CAROLINA

PLAN INFORMATION
PROJECT NO. AGN-21002
FILENAME: AGN21002 P2-P1
CHECKED BY: JCM / JEP
DRAWN BY: MRC / LRS / RAD
SCALE: 1" = 40' / 1" = 4'
DATE: 10.13.2023

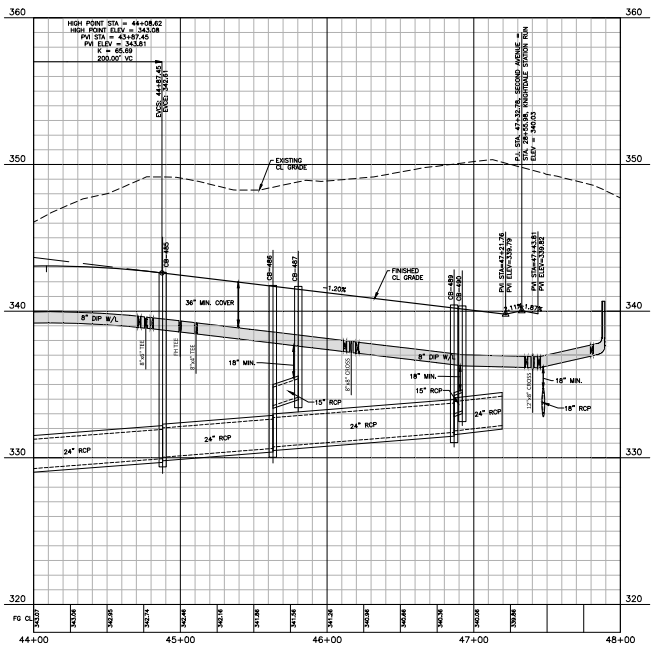
PLAN AND PROFILE
SECOND AVENUE
STA. 36+00 THRU STA. 44+00
C5.20



- CB-485 (NCDOT 840.03)
STA 44+87.52
1/0-342.65
INV 330.04 (CB-485)
INV 329.2814
- CB-486 (NCDOT 840.03)
STA 45+00.00
1/0-341.75
INV 330.34 (CB-486)
INV 333.54 (CB-487)
INV 330.54
- CB-487 (NCDOT 840.03)
STA 45+00.37
1/0-341.69
INV 333.25 (D1-488)
INV 329.5414
- CB-489 (NCDOT 840.03)
STA 45+58.29
1/0-340.42
INV 331.83 (CB-491)
INV 333.50 (CB-490)
INV 331.12
- CB-490 (NCDOT 840.03)
STA 46+22.21
1/0-340.33
INV 333.20
- D1-488 (NCDOT 840.16)
STA 45+36.38
1/0-342.50
INV 335.45



SECOND AVENUE



- ### EASEMENT LEGEND
- PUBLIC STORM DRAINAGE EASEMENT
 - PRIVATE STORM DRAINAGE EASEMENT
 - CITY OF RALEIGH WATERLINE EASEMENT
 - CITY OF RALEIGH SANITARY SEWER EASEMENT
 - PUBLIC ACCESS EASEMENT
 - RETAINING WALL EASEMENT
 - TEMPORARY CONSTRUCTION EASEMENT

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION
These for the project use have been reviewed for general compliance with applicable codes. This includes review, and authorization for construction is not to be considered to represent total compliance with all applicable requirements for development and construction. The property owner, design consultant, and contractor are each responsible for compliance with all applicable City, State and Federal laws. This specific authorization herein 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 held on file with the City. This electronic approval may not be added onto issued. Any modification to this approval must be issued all in accordance with this approval.
City of Raleigh Development Approval
City of Raleigh Review Officer

SITE PERMITTING APPROVAL

Water and Sewer Permits (if applicable)
The City of Raleigh consents to the connection and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 3-2.
The City of Raleigh consents to the connection and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 3-1.
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 construction methods used for this project shall conform to the standards and specifications of the City Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 3-1.

Public		Public	
Water Collection / Extension System	Water Distribution / Extension System	Water Collection / Extension System	Water Distribution / Extension System
The City of Raleigh consents to the connection and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 3-2.	The City of Raleigh consents to the connection and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 3-2.	The City of Raleigh consents to the connection and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 3-1.	The City of Raleigh consents to the connection and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 3-1.
Advertisement to Construct - See Utility Division	Advertisement to Construct - See Utility Division	Advertisement to Construct - See Utility Division	Advertisement to Construct - See Utility Division

I, the undersigned, being a duly licensed Professional Engineer for the Town of Knightdale, and to the best of my knowledge and belief, I certify that the requirements established in the Standard Specifications of the Town of Knightdale have been observed in the preparation and execution of this plan. The design and construction methods used for this project shall conform to the standards and specifications of the City Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 3-1.
These plans are approved by the Town of Knightdale and serve as construction plans for this project.
Date: _____
Administrator

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

The John R. McAdams Company, Inc.
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JACOB ANDERSON
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REVISIONS

NO.	DATE
1	
2	
3	
4	
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6	



DOWNTOWN NORTH AT KNIGHTDALE STATION

CONSTRUCTION DRAWINGS - PHASE 2

N SMITHFIELD ROAD KNIGHTDALE, NORTH CAROLINA

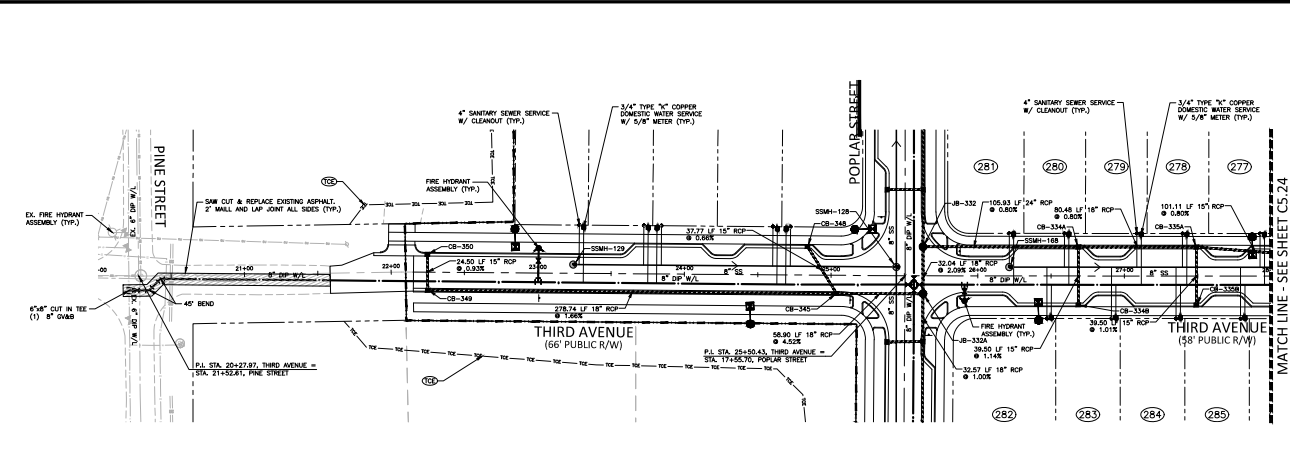
PLAN INFORMATION

PROJECT NO.	AGN-21002
FILENAME	AGN21002 P2-P1
CHECKED BY	JCM / TEP
DRAWN BY	MRC / LRS / RAD
SCALE	1" = 40'/1" = 4'
DATE	10.13.2023

PLAN AND PROFILE
SECOND AVENUE
STA. 44+00 THRU STA. 48+00

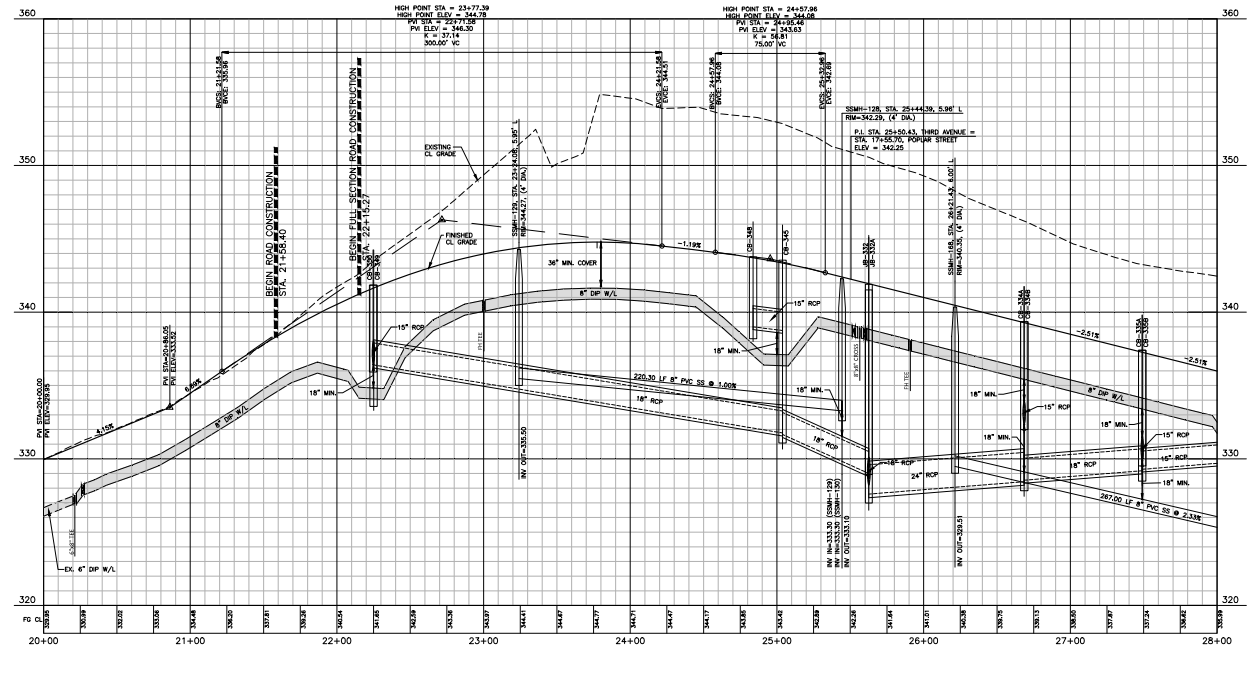
C5.21

INDEX MAP



- CB-334A (NCDOT 840.03) STA 25+48.50
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- INV N=328.54 (CB-335A)
- INV O/U=328.44
- CB-334B (NCDOT 840.03) STA 25+48.50
- T/O-339.34
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- T/O-337.41
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- CB-335B (NCDOT 840.03) STA 27+46.04
- T/O-337.41
- INV N=332.20 (CB-336)
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- INV O/U=328.19
- CB-340 (NCDOT 840.03) STA 22+25.00
- T/O-341.64
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- T/O-341.64
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- INV N=327.00 (CB-350B)
- INV O/U=327.00
- CB-340 (NCDOT 840.03) STA 22+24.87
- T/O-341.64
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- INV N=327.00 (CB-350B)
- INV O/U=327.00
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- T/O-341.64
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- INV N=327.00 (CB-350B)
- INV O/U=327.00

THIRD AVENUE



- EASEMENT LEGEND**
- Ⓢ PUBLIC STORM DRAINAGE EASEMENT
 - Ⓢ PRIVATE STORM DRAINAGE EASEMENT
 - Ⓢ CITY OF RALEIGH WATERLINE EASEMENT
 - Ⓢ CITY OF RALEIGH SANITARY SEWER EASEMENT
 - Ⓢ PUBLIC ACCESS EASEMENT
 - Ⓢ RETAINING WALL EASEMENT
 - Ⓢ TEMPORARY CONSTRUCTION EASEMENT

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION
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 City of Raleigh Development Approval
 City of Raleigh Review Officer

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 # 1-3.
 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 # 1-3.
 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 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 # 1-3.

Public	
Sanitary Collection / Extension System The City of Raleigh consents to the connection and extension of the City's Public Sanitary 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 # 1-3. Authorization to Construct: <u>See Official Stationing</u>	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 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 # 1-3. Authorization to Construct: <u>See Official Stationing</u>

I, the undersigned, being duly qualified and licensed as a Professional Engineer for the Town of Knightdale, and to the best of my knowledge and belief, I confirm that the requirements established in the Standard Specifications of the Town of Knightdale.
 By: _____ Date: _____
 These plans are approved by the Town of Knightdale and serve as construction plans for this project.
 By: _____ Date: _____
 Administrator

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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AGNC

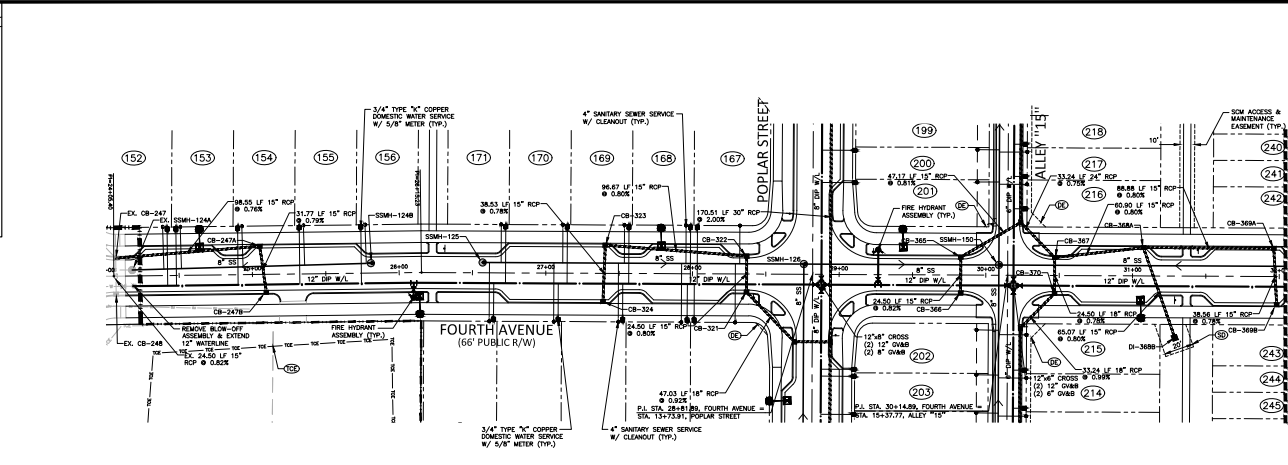
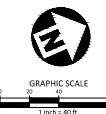


DOWNTOWN NORTH AT KNIGHTDALE STATION
CONSTRUCTION DRAWINGS - PHASE 2
 N SMITHFIELD ROAD
 KNIGHTDALE, NORTH CAROLINA

PLAN INFORMATION
 PROJECT NO. AGN-21002
 FILENAME: AGN21002-P2-P1
 CHECKED BY JCM / TEP
 DRAWN BY MRC / LRS / RAD
 SCALE 1" = 40' / 1" = 4'
 DATE 10.13.2023

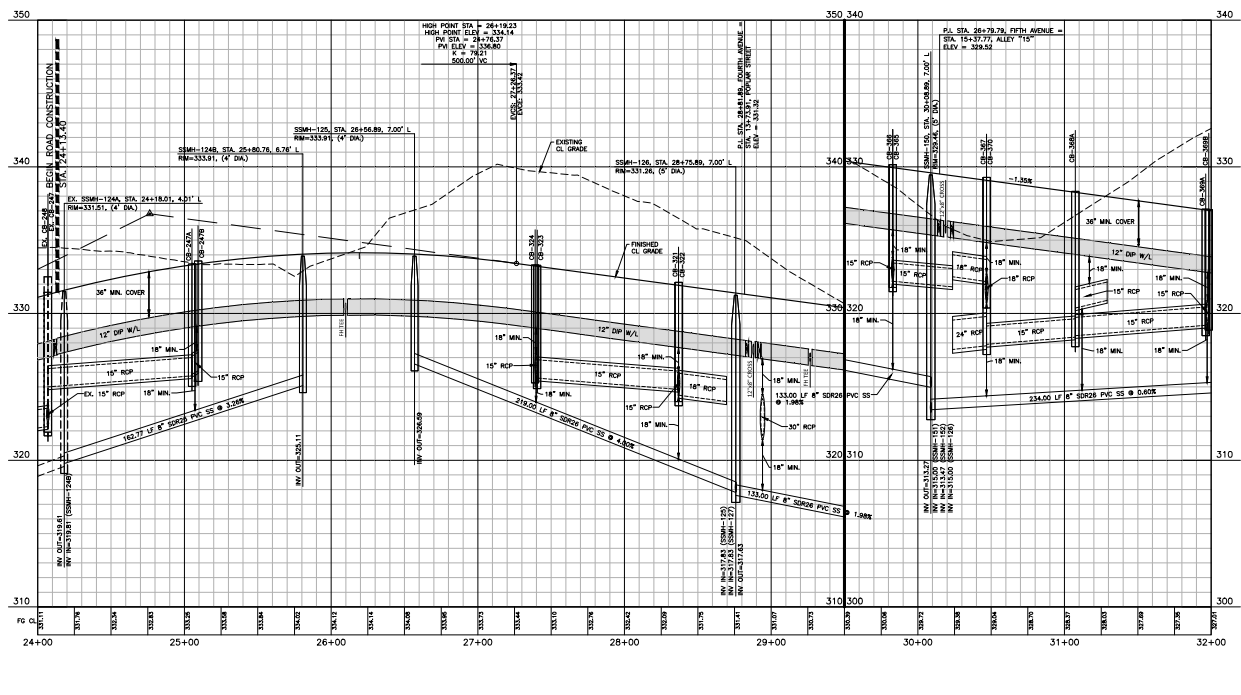
PLAN AND PROFILE
 STA. 20+00 THRU STA. 28+00
C5.22

INDEX MAP



CB-247 (NCDOT 840.03) STA 24+08.00 T/C=332.21 INV #=322.40 (CB-248) INV #=322.00 (CB-247A) INV OUT=322.30	CB-248 (NCDOT 840.03) T/C=328.28 INV #=322.89 (CB-370) INV #=322.00 (CB-369A) INV OUT=317.90	CB-249 (NCDOT 840.03) STA 25+02.00 T/C=333.38 INV #=322.89 (CB-247B) INV #=318.49 (CB-369A) INV OUT=318.30	CB-250 (NCDOT 840.03) STA 25+08.32 T/C=333.28 INV #=326.10 (CB-390) STA 25+18.30 STA 31+08.30 T/C=327.70 T/C=327.00 INV OUT=318.60	CB-251 (NCDOT 840.03) STA 25+28.89 T/C=332.72 INV #=322.89 (CB-322) INV #=322.89 (CB-371) INV #=322.18 (CB-371) INV #=321.90	CB-252 (NCDOT 840.14) CB-368 (NCDOT 840.14) STA 31+08.30 STA 31+29.07 T/C=327.00 INV OUT=320.90	CB-253 (NCDOT 840.03) STA 27+44.47 T/C=333.29 INV #=325.70 (CB-324) INV OUT=325.60	CB-254 (NCDOT 840.03) STA 27+50.00 T/C=333.29 INV #=325.70 (CB-324) INV OUT=325.60	CB-255 (NCDOT 840.03) STA 28+42.89 T/C=333.15 INV #=325.70 (CB-324) INV OUT=325.60	CB-256 (NCDOT 840.03) STA 28+48.89 T/C=333.15 INV #=325.70 (CB-324) INV OUT=325.60
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FOURTH AVENUE



EASEMENT LEGEND

- ⊖ PUBLIC STORM DRAINAGE EASEMENT
- ⊖ PRIVATE STORM DRAINAGE EASEMENT
- ⊖ CITY OF RALEIGH WATERLINE EASEMENT
- ⊖ CITY OF RALEIGH SANITARY SEWER EASEMENT
- ⊖ PUBLIC ACCESS EASEMENT
- ⊖ RETAINING WALL EASEMENT
- ⊖ TEMPORARY CONSTRUCTION EASEMENT

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION
These for the project use have been reviewed for general compliance with applicable codes. This includes review and authorization for construction is not to be considered to represent total compliance with all applicable requirements for development and construction. The property owner, design consultant, and contractor are each responsible for compliance with all applicable City, State and Federal laws. This specific authorization herein is not a permit, nor shall it be construed to preclude 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 based on the date 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

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 # 1-
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 # 2-
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Public	Public
<p>Water 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 # 1- 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 # 2- 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 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 # 3-</p>	<p>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 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 # 2- 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 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 # 3-</p>

Seal and Signature Block for the Engineer, including project name, date, and administrative information.

McAdams
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AGNC
CLIENT
ALLIANCE GROUP OF NC, LLC
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RALEIGH, NORTH CAROLINA 27615
JACOB ANDERSON
PHONE: 919.239.9486



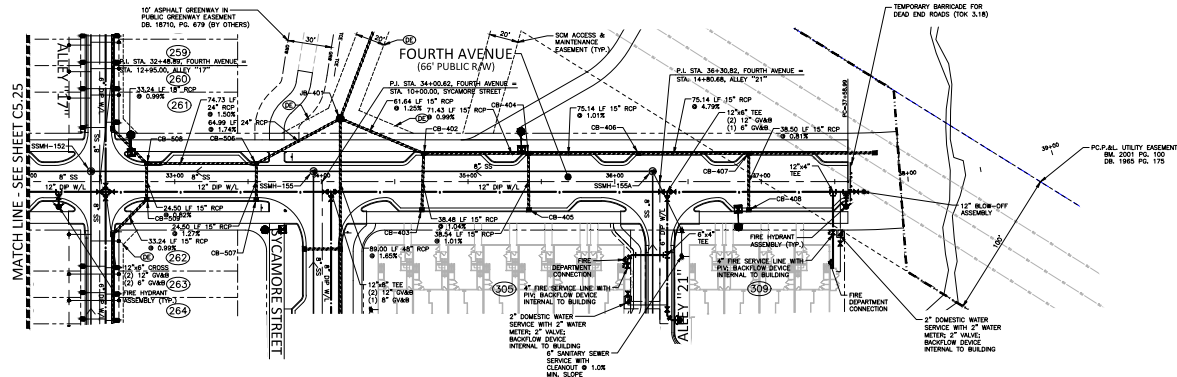
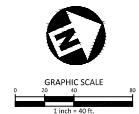
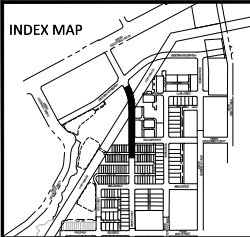
DOWNTOWN NORTH AT KNIGHTDALE STATION
CONSTRUCTION DRAWINGS - PHASE 2
N SMITHFIELD ROAD
KNIGHTDALE, NORTH CAROLINA

PLAN INFORMATION

PROJECT NO.	AGN-21002
FILENAME	AGN21002-P2-P1
CHECKED BY	JCM / JEP
DRAWN BY	MRC / LRS / RAD
SCALE	1" = 40' / 1" = 4'
DATE	10.13.2023

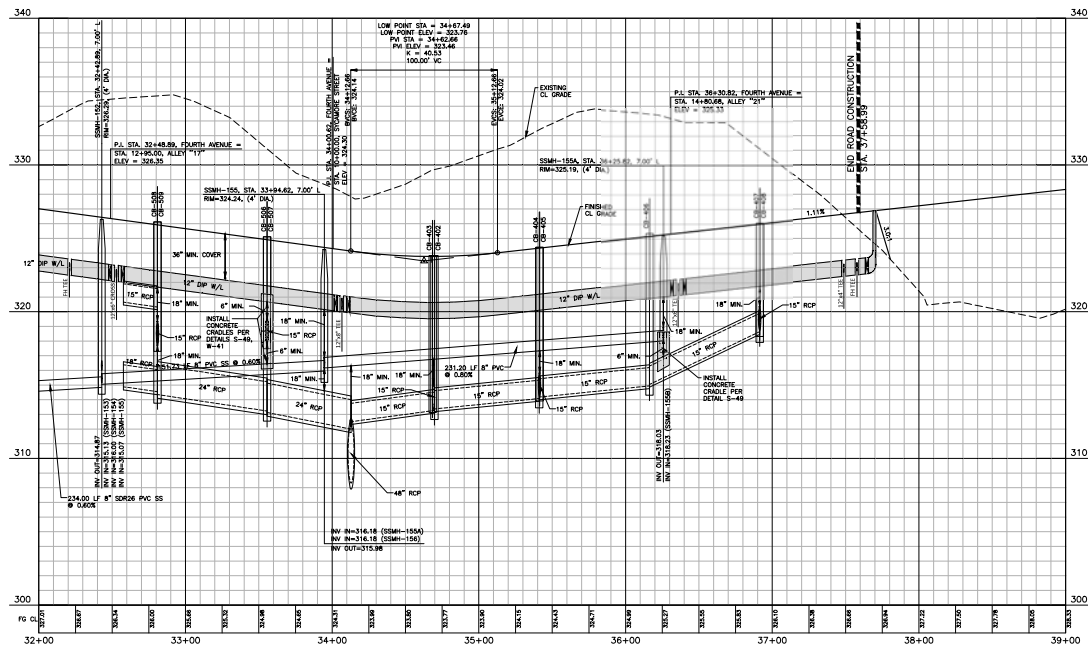
PLAN AND PROFILE
FOURTH AVENUE
STA. 24+00 THRU STA. 32+00
C5.24

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION



- CB-402 (NCDOT 840.03)
STA 32+48.39
7/0-328.83
NW IN=315.57 (CB-404)
NW IN=313.37 (CB-403)
NW OUT=318.00
- CB-403 (NCDOT 840.03)
STA 32+48.39
7/0-328.83
NW IN=315.57
NW OUT=317.77
- CB-404 (NCDOT 840.03)
STA 32+41.16
7/0-324.39
NW IN=314.18 (CB-406)
NW IN=314.18 (CB-405)
NW OUT=314.08
- CB-405 (NCDOT 840.03)
STA 32+41.48
7/0-324.40
NW IN=314.07
- CB-406 (NCDOT 840.03)
STA 32+41.30
7/0-325.37
NW IN=315.04 (CB-407)
NW OUT=318.64
- CB-407 (NCDOT 840.03)
STA 32+41.34
7/0-326.07
NW IN=318.14 (CB-408)
NW OUT=318.64
- CB-408 (NCDOT 840.03)
STA 32+41.30
7/0-325.07
NW OUT=319.05
- CB-506 (NCDOT 840.03)
STA 33+00.00
7/0-325.11
NW IN=315.53 (CB-508)
NW IN=317.00 (CB-507)
NW OUT=315.13
- CB-507 (NCDOT 840.03)
STA 33+00.00
7/0-325.11
NW OUT=318.21
- CB-508 (NCDOT 840.03)
STA 32+40.89
7/0-325.15
NW IN=317.00 (CB-509)
NW IN=314.25 (CB-515)
NW OUT=314.35

FOURTH AVENUE



- EASEMENT LEGEND**
- Ⓢ PUBLIC STORM DRAINAGE EASEMENT
 - Ⓣ PRIVATE STORM DRAINAGE EASEMENT
 - Ⓤ CITY OF RALEIGH WATERLINE EASEMENT
 - Ⓦ CITY OF RALEIGH SANITARY SEWER EASEMENT
 - Ⓧ PUBLIC ACCESS EASEMENT
 - Ⓨ RETAINING WALL EASEMENT
 - Ⓩ TEMPORARY CONSTRUCTION EASEMENT

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION

Plans for this project have been reviewed for general compliance with applicable codes. This includes review and authorization for construction is not to be considered to represent total compliance with all applicable requirements for development and construction. The property owner, design consultant, and contractor are each responsible for compliance with all applicable City, State and Federal laws. This electronic authorization does not constitute a permit. No work shall be commenced until a copy of this approval is received by the City of Raleigh. All construction must be in accordance with all applicable City, 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 this approval. Any work authorized by this approval must proceed in accordance with the plans filed on file with the City. This electronic approval may not be edited once issued. Any modification to this approval must be issued as a new approval.

City of Raleigh Development Approval
City of Raleigh Review Officer

SITE PERMITTING APPROVAL

Water and Sewer Permits (if applicable)

The City of Raleigh consents to the construction and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 2.

The City of Raleigh consents to the construction and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 3.

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 construction methods used for this project shall conform to the standards and specifications of the City Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 4.

Public	
Water Collection / Sanitation System	Public
The City of Raleigh consents to the construction and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 2.	The City of Raleigh consents to the construction and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 3.
Adoption to Construct - See 0816.0101	Adoption to Construct - See 0816.0101

Plan 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: _____

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

By: _____ Date: _____
Administrator

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS

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Durham, NC 27713

phone 919.361.5000
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CLIENT

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7208 FALLS OF NEUSE RD, SUITE 101
RALEIGH, NORTH CAROLINA 27615
JACOB ANDERSON
PHONE: 919.239.9486

AGNC

REVISIONS

NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		

Seal: NORTH CAROLINA PROFESSIONAL ENGINEER
No. 051538
J. R. McADAMS

DOWNTOWN NORTH AT KNIGHTDALE STATION

CONSTRUCTION DRAWINGS - PHASE 2

N SMITHFIELD ROAD

KNIGHTDALE, NORTH CAROLINA

PLAN INFORMATION

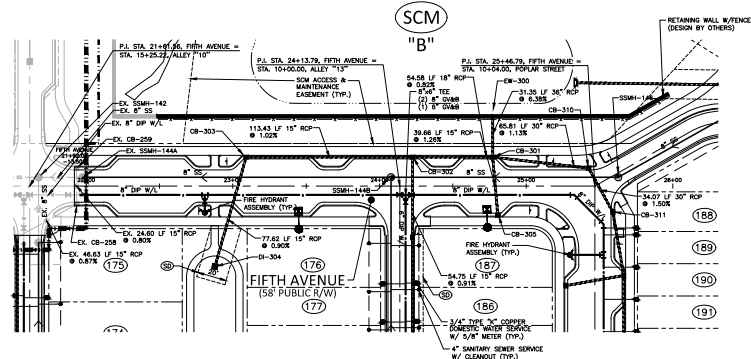
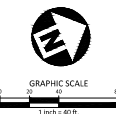
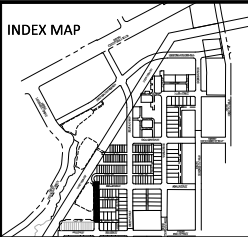
PROJECT NO. AGN-21002
FILENAME: AGN21002.P2-P1
CHECKED BY: JCM / JEP
DRAWN BY: MRC / LRS / RAD
SCALE: 1" = 40'/1" = 4'
DATE: 10.13.2023

PLAN AND PROFILE

FOURTH AVENUE

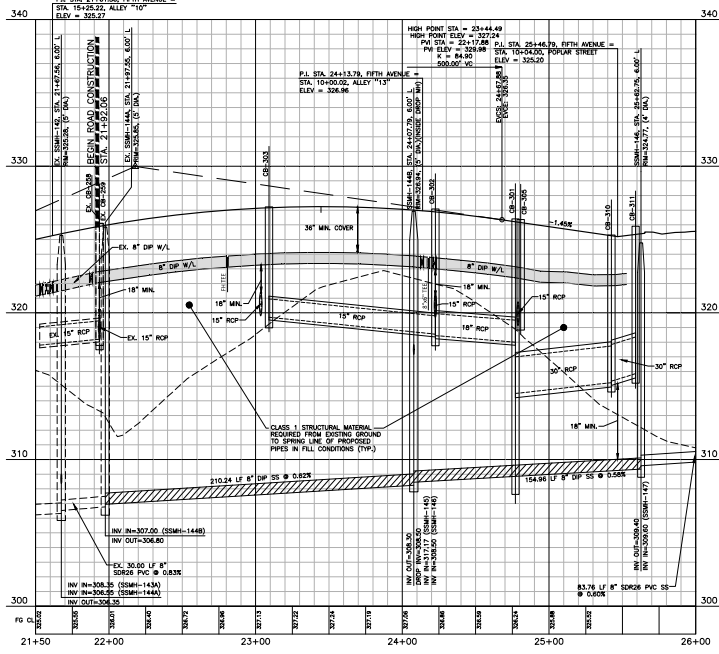
STA. 32+00 THRU STA. 41+00

C5.25



- CB-258 (NCCOT 840.03)
STA 21+46.28
1/2-326.10
INV IN=316.26 (CB-258)
INV OUT=318.20
- CB-259 (NCCOT 840.03)
STA 21+46.28
1/2-326.10
INV OUT=318.20
- CB-301 (NCCOT 840.03)
STA 24+77.52
1/2-326.41
INV IN=318.00 (CB-301)
INV IN=318.00 (CB-302)
INV IN=318.07 (CB-303)
INV OUT=308.00
- CB-302 (NCCOT 840.03)
STA 24+77.52
1/2-327.01
INV IN=319.70 (CB-302)
INV IN=318.20 (CB-303)
INV OUT=318.45
- CB-303 (NCCOT 840.03)
STA 23+28.11
1/2-327.12
INV IN=319.70 (CB-303)
INV IN=318.20 (CB-304)
INV OUT=318.10
- CB-305 (NCCOT 840.03)
STA 24+02.64
1/2-329.36
INV OUT=318.57
- CB-310 (NCCOT 840.03)
STA 23+42.50
1/2-329.20
INV IN=313.34 (CB-311)
INV OUT=315.24
- CB-311 (NCCOT 840.03)
STA 10+11.04
1/2-325.00
INV IN=315.00 (CB-312)
INV OUT=315.80
- DI-304 (NCCOT 840.14)
STA 22+47.74
1/2-320.00
INV OUT=320.50

FIFTH AVENUE



- #### EASEMENT LEGEND
- Ⓢ PUBLIC STORM DRAINAGE EASEMENT
 - Ⓢ PRIVATE STORM DRAINAGE EASEMENT
 - Ⓢ CITY OF RALEIGH WATERLINE EASEMENT
 - Ⓢ CITY OF RALEIGH SANITARY SEWER EASEMENT
 - Ⓢ PUBLIC ACCESS EASEMENT
 - Ⓢ RETAINING WALL EASEMENT
 - Ⓢ TEMPORARY CONSTRUCTION EASEMENT
- SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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City of Raleigh Development Approval
City of Raleigh Review Officer

SITE PERMITTING APPROVAL

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Public	Public
Water Collection / Extension System The City of Raleigh consents to the connection and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 3- Administration to Construct - See 0316-01010	Water Distribution / Extension System The City of Raleigh consents to the connection and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 3- Administration to Construct - See 0316-01010

Seal Confirmation: 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.
I, _____ Date: _____
Town Engineer
These plans are approved by the Town of Knightdale and serve as construction plans for this project.
I, _____ Date: _____
Administrator

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

The John R. McAdams Company, Inc.
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JACOB ANDERSON
PHONE: 919.239.9486

SEAL OF THE STATE ENGINEER
JACOB ANDERSON
REGISTERED PROFESSIONAL ENGINEER
NO. 15128

DOWNTOWN NORTH AT KNIGHTDALE STATION

CONSTRUCTION DRAWINGS - PHASE 2

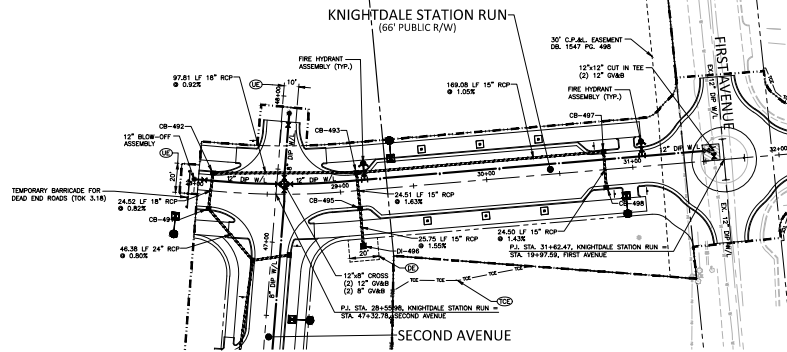
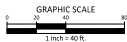
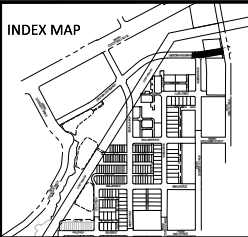
N SMITHFIELD ROAD

KNIGHTDALE, NORTH CAROLINA

PLAN INFORMATION
PROJECT NO. AGN-21002
FILENAME: AGN21002 P2-P1
CHECKED BY JCM / TEP
DRAWN BY MRC / LRS / RAD
SCALE 1" = 40' / 1" = 4'
DATE 10.13.2023

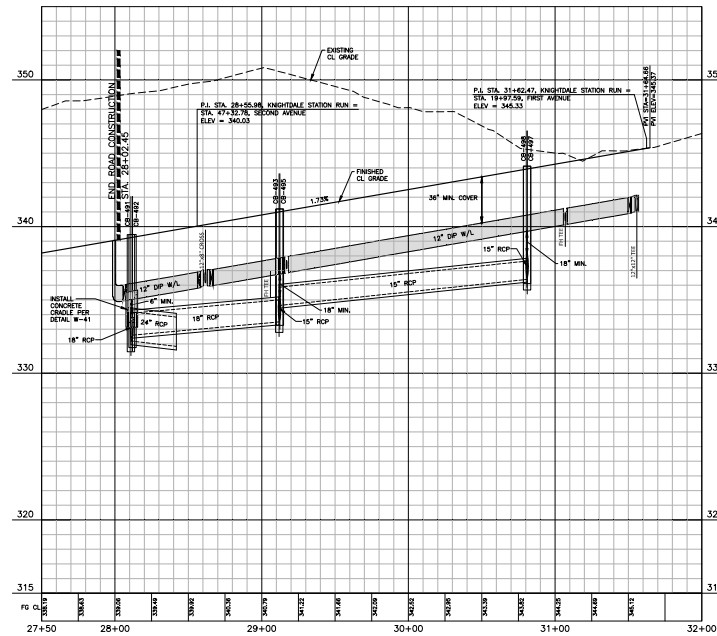
PLAN AND PROFILE
STA. 21+50 THRU STA. 27+00

C5.26



- CB-491 (NCDOT 840.03) STA 29+10.87 7/2=-338.45 INV 28+332.20 (CB-492) INV OUT=332.20
- CB-492 (NCDOT 840.03) STA 28+17.30 7/2=-341.22 INV 28+332.60 (CB-493) INV OUT=332.20
- CB-493 (NCDOT 840.03) STA 29+11.92 7/2=-341.12 INV 28+332.60 (CB-497) INV 28+332.60 (CB-495) INV OUT=332.20
- CB-495 (NCDOT 840.03) STA 29+12.44 7/2=-341.21 INV 28+334.00
- CB-497 (NCDOT 840.03) STA 30+45.00 7/2=-344.12 INV 28+332.60 (CB-496) INV OUT=336.40
- CB-496 (NCDOT 840.03) STA 30+42.89 7/2=-344.12 INV 28+336.85
- CB-498 (NCDOT 840.16) STA 29+15.44 7/2=-341.00 INV OUT=334.30

KNIGHTDALE STATION RUN



- ### EASEMENT LEGEND
- Ⓢ PUBLIC STORM DRAINAGE EASEMENT
 - Ⓢ PRIVATE STORM DRAINAGE EASEMENT
 - Ⓢ CITY OF RALEIGH WATERLINE EASEMENT
 - Ⓢ CITY OF RALEIGH SANITARY SEWER EASEMENT
 - Ⓢ PUBLIC ACCESS EASEMENT
 - Ⓢ RETAINING WALL EASEMENT
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City of Raleigh Development Approval
City of Raleigh Review Officer

SITE PERMITTING APPROVAL

Water and Sewer Permits (if applicable)
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The City of Raleigh consents to the connection and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 3-
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 construction methods used for this project shall conform to the standards and specifications of the City Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 4-

Public	
Sewer Collection / Substation System The City of Raleigh consents to the connection and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 2- Authorization to Construct: See Utility Department	Water Distribution / Substation System The City of Raleigh consents to the connection and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 3- Authorization to Construct: See Utility Department

I, the undersigned, being duly qualified, have examined the above-mentioned plans and specifications, and to the best of my knowledge and belief, I confirm that the same conform to the standards and specifications of the Town of Knightdale.
Date: _____
These plans are approved by the Town of Knightdale and serve as construction plans for this project.
Date: _____
Administrator

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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DOWNTOWN NORTH AT KNIGHTDALE STATION

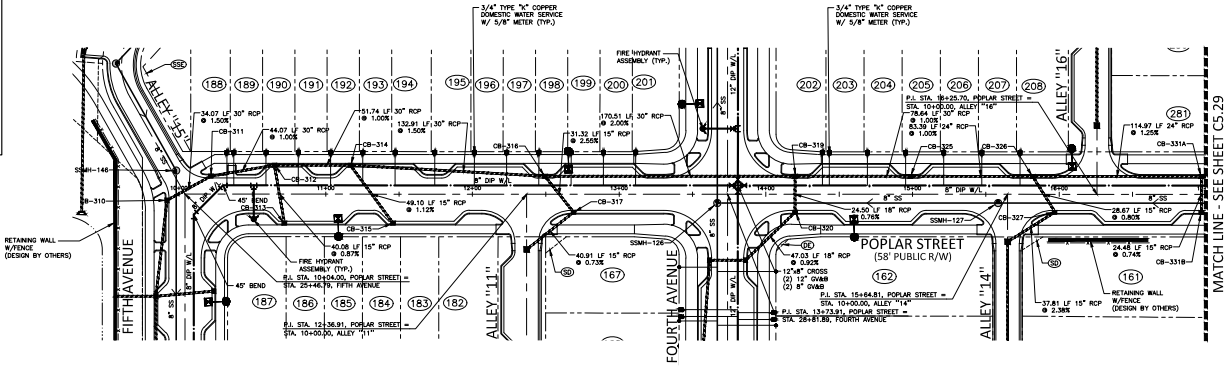
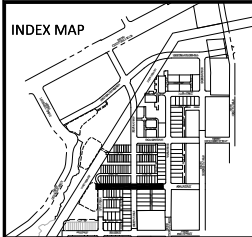
CONSTRUCTION DRAWINGS - PHASE 2

N SMITHFIELD ROAD
KNIGHTDALE, NORTH CAROLINA

PLAN INFORMATION
PROJECT NO. AGN-21002
FILENAME: AGN21002 P2-P1
CHECKED BY JCM / TEP
DRAWN BY MRC / LRS / RAD
SCALE 1" = 40'/1" = 4'
DATE 10.13.2023

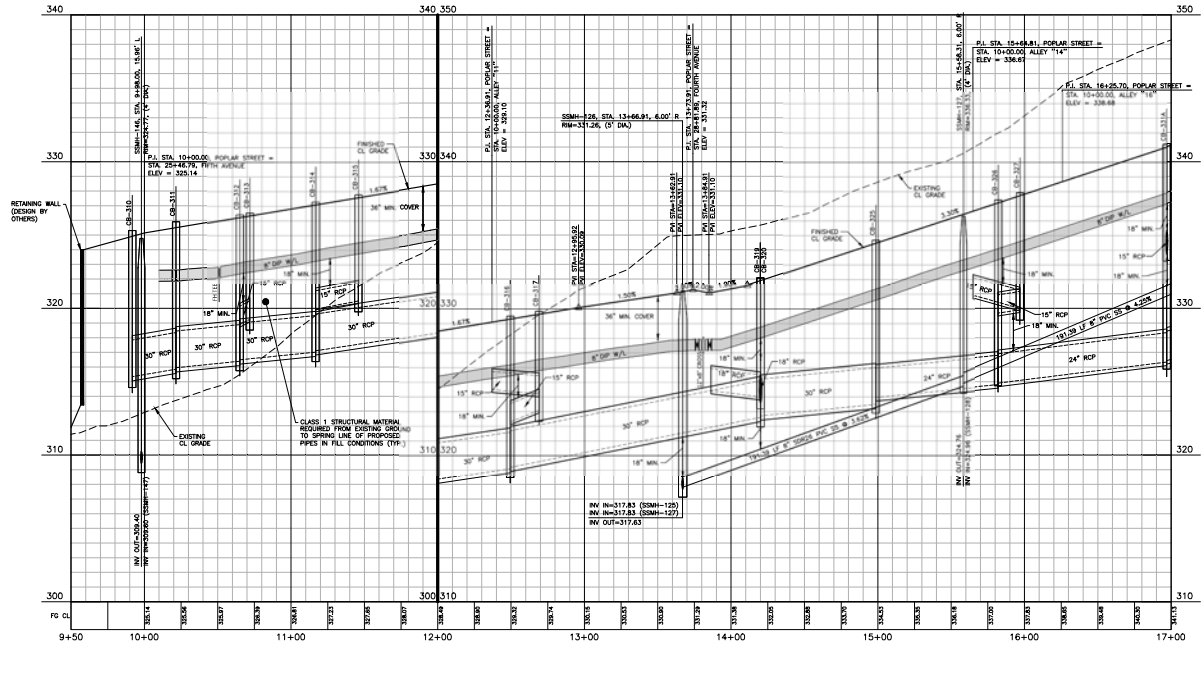
PLAN AND PROFILE
KNIGHTDALE STATION RUN
STA. 25+00 THRU STA. 32+00

C5.27



CB-310 (NCDOT 840.03) STA 114+82.50 T/C=25.50 NW IN=232.54 (CB-311) NW OUT=232.54	CB-311 (NCDOT 840.03) STA 109+21.54 T/C=25.50 NW IN=232.50 (CB-312) NW OUT=232.50	CB-312 (NCDOT 840.03) T/C=25.44 NW IN=232.49 (CB-314) NW IN=231.90 (CB-313) NW OUT=231.90	CB-313 (NCDOT 840.03) T/C=25.44 NW IN=231.90 NW OUT=231.90	CB-314 (NCDOT 840.03) STA 114+82.50 T/C=25.50 NW IN=232.50 (CB-319) NW IN=232.50 (CB-317) NW OUT=232.50	CB-315 (NCDOT 840.03) STA 114+82.50 T/C=25.50 NW IN=232.50 (CB-319) NW IN=232.50 (CB-317) NW OUT=232.50	CB-316 (NCDOT 840.03) STA 114+82.50 T/C=25.50 NW IN=232.50 (CB-319) NW IN=232.50 (CB-317) NW OUT=232.50	CB-317 (NCDOT 840.03) STA 114+82.50 T/C=25.50 NW IN=232.50 (CB-319) NW IN=232.50 (CB-317) NW OUT=232.50	CB-318 (NCDOT 840.03) STA 114+82.50 T/C=25.50 NW IN=232.50 (CB-319) NW IN=232.50 (CB-317) NW OUT=232.50	CB-319 (NCDOT 840.03) STA 114+82.50 T/C=25.50 NW IN=232.50 (CB-319) NW IN=232.50 (CB-317) NW OUT=232.50	CB-320 (NCDOT 840.03) STA 114+82.50 T/C=25.50 NW IN=232.50 (CB-319) NW IN=232.50 (CB-317) NW OUT=232.50	CB-321 (NCDOT 840.03) STA 114+82.50 T/C=25.50 NW IN=232.50 (CB-319) NW IN=232.50 (CB-317) NW OUT=232.50	CB-322 (NCDOT 840.03) STA 114+82.50 T/C=25.50 NW IN=232.50 (CB-319) NW IN=232.50 (CB-317) NW OUT=232.50	CB-323 (NCDOT 840.03) STA 114+82.50 T/C=25.50 NW IN=232.50 (CB-319) NW IN=232.50 (CB-317) NW OUT=232.50	CB-324 (NCDOT 840.03) STA 114+82.50 T/C=25.50 NW IN=232.50 (CB-319) NW IN=232.50 (CB-317) NW OUT=232.50	CB-325 (NCDOT 840.03) STA 114+82.50 T/C=25.50 NW IN=232.50 (CB-319) NW IN=232.50 (CB-317) NW OUT=232.50	CB-326 (NCDOT 840.03) STA 114+82.50 T/C=25.50 NW IN=232.50 (CB-319) NW IN=232.50 (CB-317) NW OUT=232.50	CB-327 (NCDOT 840.03) STA 114+82.50 T/C=25.50 NW IN=232.50 (CB-319) NW IN=232.50 (CB-317) NW OUT=232.50	CB-328 (NCDOT 840.03) STA 114+82.50 T/C=25.50 NW IN=232.50 (CB-319) NW IN=232.50 (CB-317) NW OUT=232.50	CB-329 (NCDOT 840.03) STA 114+82.50 T/C=25.50 NW IN=232.50 (CB-319) NW IN=232.50 (CB-317) NW OUT=232.50	CB-330 (NCDOT 840.03) STA 114+82.50 T/C=25.50 NW IN=232.50 (CB-319) NW IN=232.50 (CB-317) NW OUT=232.50	CB-331 (NCDOT 840.03) STA 114+82.50 T/C=25.50 NW IN=232.50 (CB-319) NW IN=232.50 (CB-317) NW OUT=232.50	CB-332 (NCDOT 840.03) STA 114+82.50 T/C=25.50 NW IN=232.50 (CB-319) NW IN=232.50 (CB-317) NW OUT=232.50	CB-333 (NCDOT 840.03) STA 114+82.50 T/C=25.50 NW IN=232.50 (CB-319) NW IN=232.50 (CB-317) NW OUT=232.50	CB-334 (NCDOT 840.03) STA 114+82.50 T/C=25.50 NW IN=232.50 (CB-319) NW IN=232.50 (CB-317) NW OUT=232.50	CB-335 (NCDOT 840.03) STA 114+82.50 T/C=25.50 NW IN=232.50 (CB-319) NW IN=232.50 (CB-317) NW OUT=232.50	CB-336 (NCDOT 840.03) STA 114+82.50 T/C=25.50 NW IN=232.50 (CB-319) NW IN=232.50 (CB-317) NW OUT=232.50	CB-337 (NCDOT 840.03) STA 114+82.50 T/C=25.50 NW IN=232.50 (CB-319) NW IN=232.50 (CB-317) NW OUT=232.50	CB-338 (NCDOT 840.03) STA 114+82.50 T/C=25.50 NW IN=232.50 (CB-319) NW IN=232.50 (CB-317) NW OUT=232.50	CB-339 (NCDOT 840.03) STA 114+82.50 T/C=25.50 NW IN=232.50 (CB-319) NW IN=232.50 (CB-317) NW OUT=232.50	CB-340 (NCDOT 840.03) STA 114+82.50 T/C=25.50 NW IN=232.50 (CB-319) NW IN=232.50 (CB-317) NW OUT=232.50
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POPLAR STREET



EASEMENT LEGEND

- Ⓢ PUBLIC STORM DRAINAGE EASEMENT
- Ⓢ PRIVATE STORM DRAINAGE EASEMENT
- Ⓢ CITY OF RALEIGH WATERLINE SEWER EASEMENT
- Ⓢ PUBLIC ACCESS EASEMENT
- Ⓢ RETAINING WALL EASEMENT
- Ⓢ TEMPORARY CONSTRUCTION EASEMENT

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION

These 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 applicable requirements for development and construction. The property owner, design consultant, and contractor are each responsible for compliance with all applicable City, State and Federal laws. This specific authorization does not constitute a permit, nor shall it be construed to prevent 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 filed on file with the City. This electronic approval may not be relied upon outside. Any modification to this approval must be issued all in accordance with the approval.

City of Raleigh Development Approval
City of Raleigh Review Officer

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 # 1-2.

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 # 1-3.

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 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 # 1-4.

Public	Public
<p>Water Collection / Substation System</p> <p>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 # 1-2.</p> <p>Adoption to Construct: See 0.01.01.01.</p>	<p>Water Distribution / Substation System</p> <p>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 # 1-3.</p> <p>Adoption to Construct: See 0.01.01.01.</p>

I, the Engineer, certify that the 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.

Date: _____

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

Date: _____

Administrator

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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

AGNC

CLIENT
ALLIANCE GROUP OF NC, LLC
7208 FALLS OF NEUSE RD, SUITE 101
RALEIGH, NORTH CAROLINA 27615
JACOB ANDERSON
PHONE: 919.239.9486

REVISIONS

NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		



DOWNTOWN NORTH AT KNIGHTDALE STATION

CONSTRUCTION DRAWINGS - PHASE 2

N SMITHFIELD ROAD

KNIGHTDALE, NORTH CAROLINA

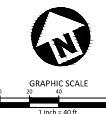
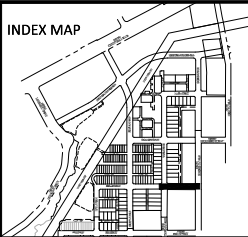
PLAN INFORMATION

PROJECT NO.	AGN-21002
FILENAME	AGN21002_P2-P2
CHECKED BY	JCM / JEP
DRAWN BY	MRC / LRS / RAD
SCALE	1" = 40' / 1" = 4'
DATE	10.13.2023

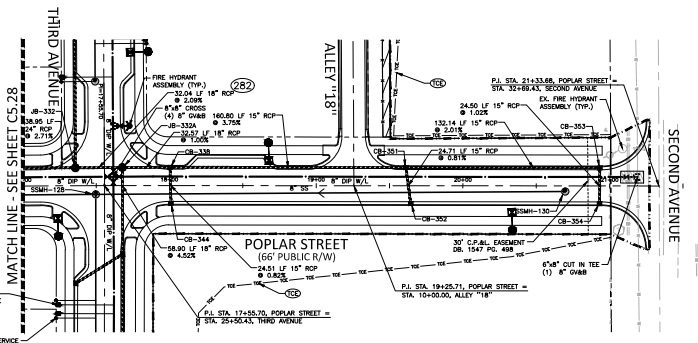
PLAN AND PROFILE

POPLAR STREET
STA. 9+50 THRU STA. 17+00

C5.28

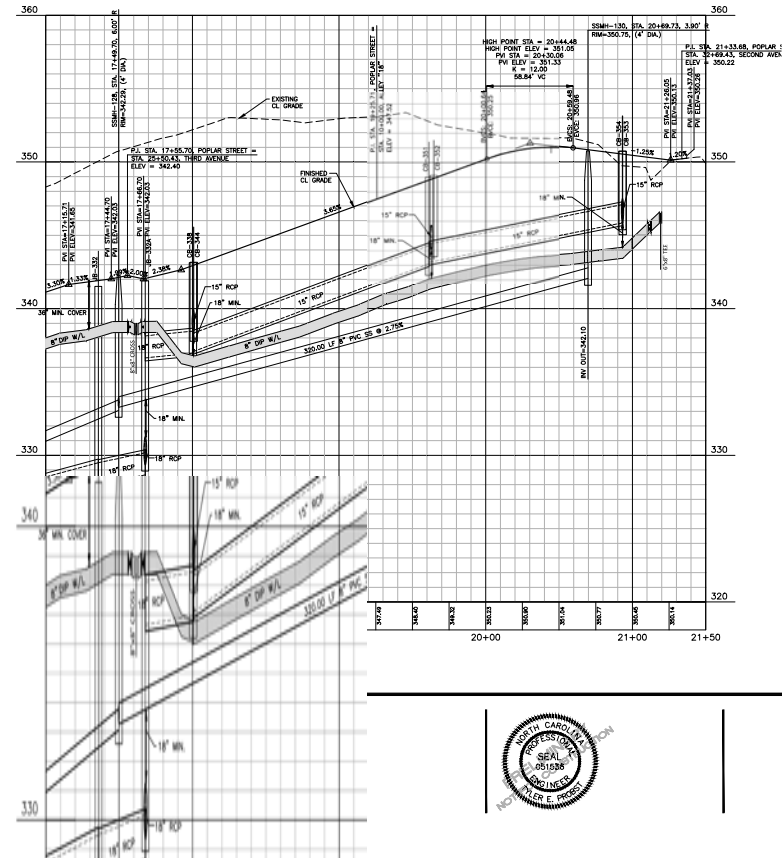


3/4" TYPE "C" COPPER DOMESTIC WATER SERVICE W/ 5/8" METER (TYP.)
 4" SANITARY SEWER SERVICE W/ CLEANOUT (TYP.)



- CB-338 (NCDOT) 840.03
 STA 18+00.39
 T/O=343.13
 INV IN=337.07 (CB-351)
 INV IN=338.40 (CB-344)
 INV OUT=336.97
- CB-344 (NCDOT) 840.03
 STA 18+00.92
 T/O=343.16
 INV OUT=336.60
- CB-351 (NCDOT) 840.03
 STA 18+01.19
 T/O=343.03
 INV IN=343.20 (CB-353)
 INV IN=343.20 (CB-352)
 INV OUT=343.10
- CB-352 (NCDOT) 840.03
 STA 18+04.42
 T/O=343.13
 INV OUT=344.40
- CB-353 (NCDOT) 840.03
 STA 20+02.53
 T/O=350.74
 INV IN=345.45 (CB-354)
 INV OUT=346.85
- CB-354 (NCDOT) 840.03
 STA 20+02.13
 T/O=350.74
 INV OUT=346.20
- JB-332 (STANDARD)
 STA 20+02.64
 RM=341.90
 INV IN=327.86 (CB-334)
 INV OUT=327.50
- JB-334 (STANDARD)
 STA 20+02.64
 RM=341.90
 INV IN=328.64 (CB-338)
 INV IN=329.00 (CB-345)
 INV OUT=328.67

POPLAR STREET



- EASEMENT LEGEND**
- ⊖ PUBLIC STORM DRAINAGE EASEMENT
 - ⊖ PRIVATE STORM DRAINAGE EASEMENT
 - ⊖ CITY OF RALEIGH WATERLINE EASEMENT
 - ⊖ CITY OF RALEIGH SANITARY SEWER EASEMENT
 - ⊖ PUBLIC ACCESS EASEMENT
 - ⊖ RETAINING WALL EASEMENT
 - ⊖ TEMPORARY CONSTRUCTION EASEMENT

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION
 These for the project 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 applicable requirements for development and construction. The property owner, design consultant, and contractor are each responsible for compliance with all applicable City, State and Federal laws. This specific authorization herein 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 based on the date the City. This electronic approval may not be added once issued. Any modification to this approval once issued will invalidate this approval.
 City of Raleigh Development Approval
 City of Raleigh Review Officer

SITE PERMITTING APPROVAL

Water and Sewer Permits (if applicable)
 The City of Raleigh consents to the connection and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 2-
 The City of Raleigh consents to the connection and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 3-
 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 construction methods used for this project shall conform to the standards and specifications of the City Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 4-

Public Sewer Collection / Extension System	Public Water Distribution / Extension System
The City of Raleigh consents to the connection and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 2- Authorization to Construct - See Utility Department	The City of Raleigh consents to the connection and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 3- Authorization to Construct - See Utility Department

I, the undersigned, being duly qualified, certify that this plan 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.
 Town Engineer: _____ Date: _____
 These plans are approved by the Town of Knightdale and serve as construction plans for this project.
 Date: _____
 Administrator: _____

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

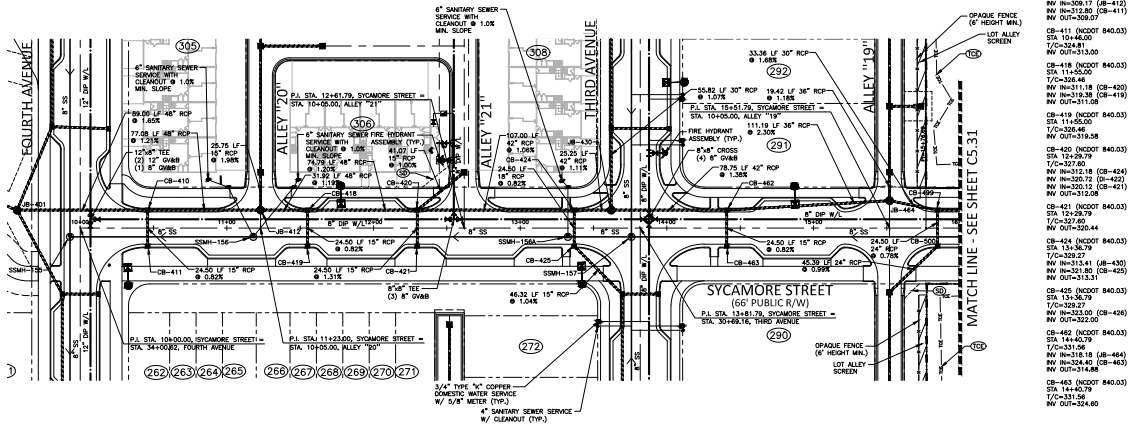
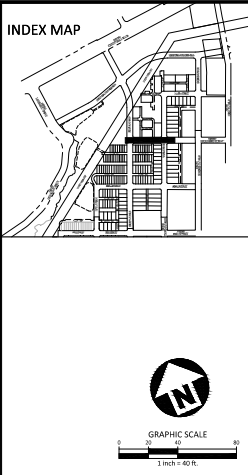
McAdams
 The John R. McAdams Company,
 2905 Meridian Parkway
 Durham, NC 27713
 phone 919.361.5000
 fax 919.361.2269
 license number: C-0293, C-187
 www.mcadamsco.com



DOWNTOWN NORTH AT KNIGHTDALE STATION
CONSTRUCTION DRAWINGS - PHASE 2
 N SMITHFIELD ROAD
 KNIGHTDALE, NORTH CAROLINA

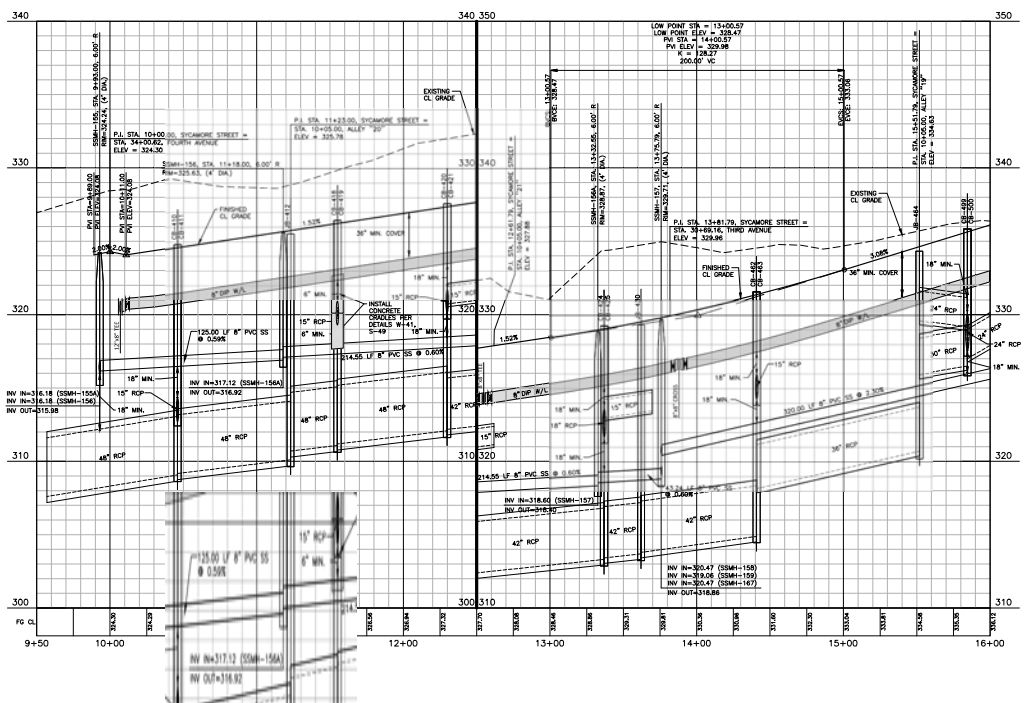
PLAN INFORMATION
 PROJECT NO. AGN-21002
 FILENAME AGN21002 P2-P2
 CHECKED BY JCM / TEP
 DRAWN BY MRC / LRS / RAD
 SCALE 1" = 40'/1" = 4'
 DATE 10.13.2023

PLAN AND PROFILE
 POPLAR STREET
 STA. 17+00 THRU STA. 21+50
C5.29



CB-410 (NCDOT 840.03) STA 10+00.00 T/C=324.81 WV IN=3026.17 (CB-412) WV IN=312.80 (CB-411) WV OUT=328.07	CB-411 (NCDOT 840.03) STA 10+00.00 T/C=324.81 WV IN=3026.17 (CB-412) WV OUT=328.07	CB-412 (ESTANDARD) STA 10+00.00 T/C=324.81 WV IN=3026.17 (CB-412) WV OUT=328.07	CB-413 (ESTANDARD) STA 10+00.00 T/C=324.81 WV IN=3026.17 (CB-412) WV OUT=328.07	CB-414 (ESTANDARD) STA 10+00.00 T/C=324.81 WV IN=3026.17 (CB-412) WV OUT=328.07	CB-415 (ESTANDARD) STA 10+00.00 T/C=324.81 WV IN=3026.17 (CB-412) WV OUT=328.07	CB-416 (ESTANDARD) STA 10+00.00 T/C=324.81 WV IN=3026.17 (CB-412) WV OUT=328.07	CB-417 (ESTANDARD) STA 10+00.00 T/C=324.81 WV IN=3026.17 (CB-412) WV OUT=328.07	CB-418 (ESTANDARD) STA 10+00.00 T/C=324.81 WV IN=3026.17 (CB-412) WV OUT=328.07	CB-419 (ESTANDARD) STA 10+00.00 T/C=324.81 WV IN=3026.17 (CB-412) WV OUT=328.07	CB-420 (ESTANDARD) STA 10+00.00 T/C=324.81 WV IN=3026.17 (CB-412) WV OUT=328.07	CB-421 (ESTANDARD) STA 10+00.00 T/C=324.81 WV IN=3026.17 (CB-412) WV OUT=328.07	CB-422 (ESTANDARD) STA 10+00.00 T/C=324.81 WV IN=3026.17 (CB-412) WV OUT=328.07	CB-423 (ESTANDARD) STA 10+00.00 T/C=324.81 WV IN=3026.17 (CB-412) WV OUT=328.07	CB-424 (ESTANDARD) STA 10+00.00 T/C=324.81 WV IN=3026.17 (CB-412) WV OUT=328.07	CB-425 (ESTANDARD) STA 10+00.00 T/C=324.81 WV IN=3026.17 (CB-412) WV OUT=328.07	CB-426 (ESTANDARD) STA 10+00.00 T/C=324.81 WV IN=3026.17 (CB-412) WV OUT=328.07	CB-427 (ESTANDARD) STA 10+00.00 T/C=324.81 WV IN=3026.17 (CB-412) WV OUT=328.07	CB-428 (ESTANDARD) STA 10+00.00 T/C=324.81 WV IN=3026.17 (CB-412) WV OUT=328.07	CB-429 (ESTANDARD) STA 10+00.00 T/C=324.81 WV IN=3026.17 (CB-412) WV OUT=328.07	CB-430 (ESTANDARD) STA 10+00.00 T/C=324.81 WV IN=3026.17 (CB-412) WV OUT=328.07
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SYCAMORE STREET



EASEMENT LEGEND

- Ⓢ PUBLIC STORM DRAINAGE EASEMENT
- Ⓣ PRIVATE STORM DRAINAGE EASEMENT
- Ⓤ CITY OF RALEIGH WATERLINE EASEMENT
- Ⓦ CITY OF RALEIGH SANITARY SEWER EASEMENT
- Ⓧ PUBLIC ACCESS EASEMENT
- Ⓨ RETAINING WALL EASEMENT
- Ⓩ TEMPORARY CONSTRUCTION EASEMENT

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION

Plans for this project have been reviewed for general compliance with applicable codes. This includes review, and authorization for construction is not to be considered to represent total compliance with all applicable requirements for development and construction. The property owner, design consultant, and contractor are each responsible for compliance with all applicable City, State and Federal laws. This specific authorization herein is not a permit, nor shall it be construed to prevent any violation of City, State or Federal Law. All Construction must be in accordance with all Local, State, and Federal Rules and Regulations.

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City of Raleigh Development Approval
City of Raleigh Review Officer

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 # 1.

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 # 2.

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 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 # 3.

Public Sewer Collection / Extension System	Public Water Distribution / Extension System
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Adoption to Conform: See Utility Division	Adoption to Conform: See Utility Division

Plan 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.

Date: _____

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

Date: _____

Administrator

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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

phone 919.361.5000
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CLIENT
ALLIANCE GROUP OF NC, LLC
7208 FALLS OF NEUSE RD, SUITE 10
RALEIGH, NORTH CAROLINA 27615
JACOB ANDERSON
PHONE: 919.239.9486

DOWNTOWN NORTH AT KNIGHTDALE STATION

CONSTRUCTION DRAWINGS - PHASE 2

N SMITHFIELD ROAD KNIGHTDALE, NORTH CAROLINA

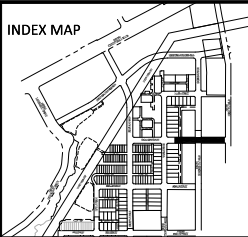
PLAN INFORMATION

PROJECT NO.	AGN-21002
FILENAME	AGN21002 P2-P2
CHECKED BY	JCM / TEP
DRAWN BY	MRC / LRS / RAD
SCALE	1" = 40'/1" = 4'
DATE	10.13.2023

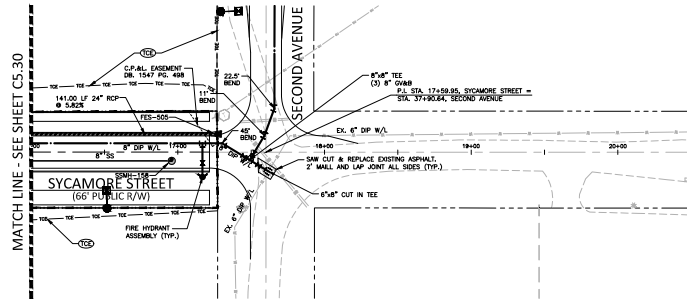
PLAN AND PROFILE

SYCAMORE STREET
STA. 9+50 THRU STA. 16+00

C5.30

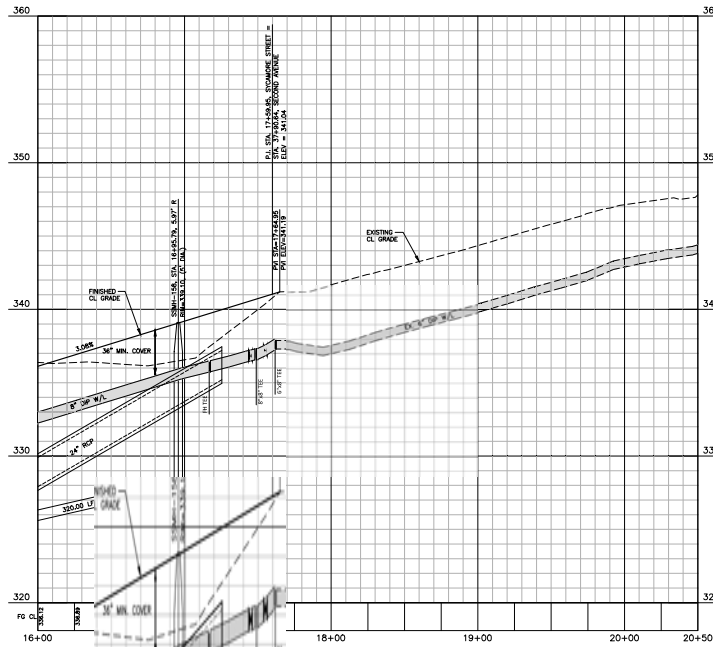


GRAPHIC SCALE
1 inch = 40 ft.



FES-505
1/14/2024

SYCAMORE STREET



EASEMENT LEGEND

- PUBLIC STORM DRAINAGE EASEMENT
- PRIVATE STORM DRAINAGE EASEMENT
- CITY OF RALEIGH WATERLINE EASEMENT
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WITH THE CURRENT TOWN OF KNIGHTDALE, CITY OF RALEIGH
PUBLIC UTILITIES, AND NCDOT (WHERE APPLICABLE)
ENGINEERING DESIGN AND CONSTRUCTION STANDARDS

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION

Plans for this project 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 applicable requirements for development and construction. The property owner, design consultant, and contractor are each responsible for compliance with all applicable City, State and Federal laws. This specific authorization herein 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 filed on file with the City. This electronic approval may not be altered once issued. Any modification to this approval once issued will invalidate this approval.

City of Raleigh, Development Approval
City of Raleigh Review Officer

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 # 1-2.
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 # 3-2.
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 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 # 4-2.

Public	
Sewer Collection / Extension System The City of Raleigh consents to the connection and extension of its 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 # 1-2. Authorization to Construct - See 0102-0102a	Water Distribution / Extension System The City of Raleigh consents to the connection and extension of 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 # 3-2. Authorization to Construct - See 0102-0102a

Seal 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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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
ALLIANCE GROUP OF NC, LLC
7208 FALLS OF NEUSE RD, SUITE 10
RALEIGH, NORTH CAROLINA 27615
JACOB ANDERSON
PHONE: 919.239.9486



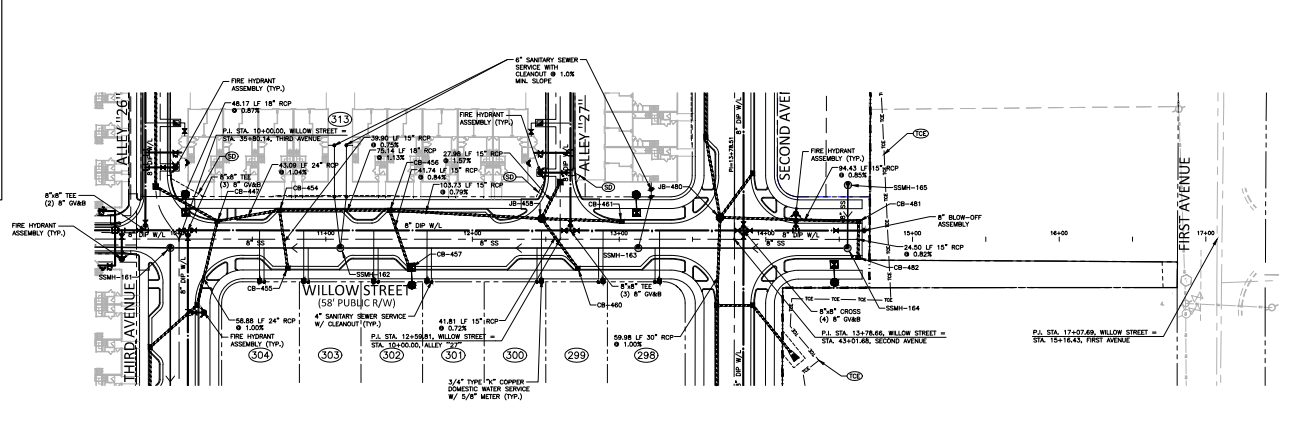
**DOWNTOWN NORTH AT
KNIGHTDALE STATION
CONSTRUCTION DRAWINGS - PHASE 2**
N SMITHFIELD ROAD
KNIGHTDALE, NORTH CAROLINA

PLAN INFORMATION
PROJECT NO. AGN-21002
FILENAME: AGN21002 P2-P2
CHECKED BY JCM / TEP
DRAWN BY MRC / LRS / RAD
SCALE 1" = 40' / 1" = 4'
DATE 10.13.2023

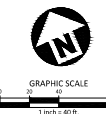
PLAN AND PROFILE
SYCAMORE STREET
STA. 15+50 THRU STA. 20+50

C5.31

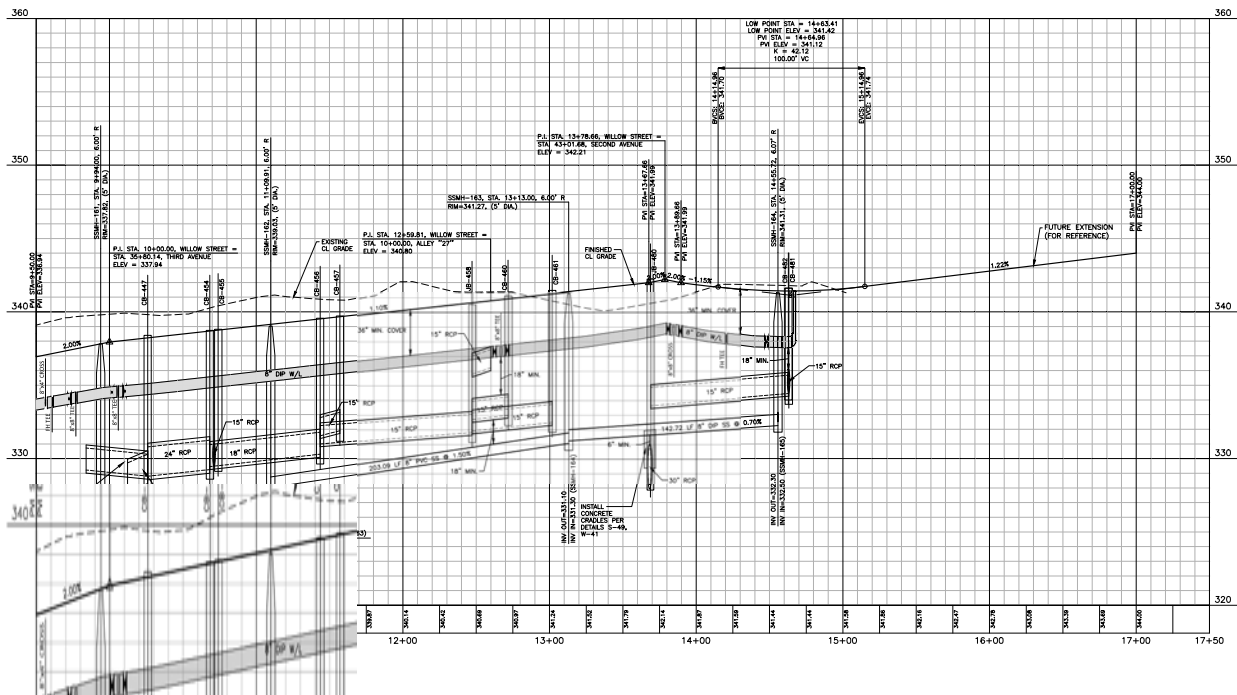
INDEX MAP



CB-447 (NCDOT #40.03) STA 10+26.01 T/C=338.61 INV IN=328.80 (CB-454) INV IN=328.80 (CB-448) INV OUT=328.30	CB-448 (NCDOT #40.03) STA 10+68.44 T/C=338.14 INV IN=329.45 (CB-456) INV IN=329.05 (CB-450) INV OUT=329.25	CB-456 (NCDOT #40.03) STA 11+45.08 T/C=339.57 INV IN=331.00 (B-458) INV IN=331.05 (CB-457) INV OUT=330.50	CB-457 (NCDOT #40.03) STA 11+45.08 T/C=339.72 INV OUT=331.90	CB-460 (NCDOT #40.03) STA 13+01.82 T/C=341.13 INV OUT=333.00	CB-461 (NCDOT #40.03) STA 13+01.82 INV OUT=332.00	CB-461 (NCDOT #40.03) STA 14+43.19 T/C=341.62 INV IN=334.24 (CB-482) INV OUT=334.44	CB-482 (NCDOT #40.03) STA 14+43.19 T/C=341.62 INV OUT=334.74	B-458 (STANDARD) STA 12+1.75 RM=340.54 INV IN=332.70 (CB-450) INV IN=332.70 (CB-460) INV OUT=331.82
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WILLOW STREET



- EASEMENT LEGEND**
- Ⓢ PUBLIC STORM DRAINAGE EASEMENT
 - Ⓣ PRIVATE STORM DRAINAGE EASEMENT
 - Ⓤ CITY OF RALEIGH WATERLINE EASEMENT
 - Ⓦ CITY OF RALEIGH SANITARY SEWER EASEMENT
 - Ⓧ PUBLIC ACCESS EASEMENT
 - Ⓨ RETAINING WALL EASEMENT
 - Ⓩ TEMPORARY CONSTRUCTION EASEMENT

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION
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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 this approved plan. Any work authorized by this approval must proceed in accordance with the plans filed on file with the City. This electronic approval may not be relied upon if it is not accompanied by a physical copy of this approval and all associated notes.

City of Raleigh Development Approval
City of Raleigh Review Officer

SITE PERMITTING APPROVAL

Water and Sewer Permits (if applicable)
The City of Raleigh consents to the connection and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 1-2.
The City of Raleigh consents to the connection and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 1-3.
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 construction methods used for this project shall conform to the standards and specifications of the City Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 1-4.

Public	Public
Sewer Collection / Extension System The City of Raleigh consents to the connection and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 1-2. Authorization to Construct: <u>See Official Station</u>	Water Distribution / Extension System The City of Raleigh consents to the connection and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 1-3. Authorization to Construct: <u>See Official Station</u>

Plan 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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

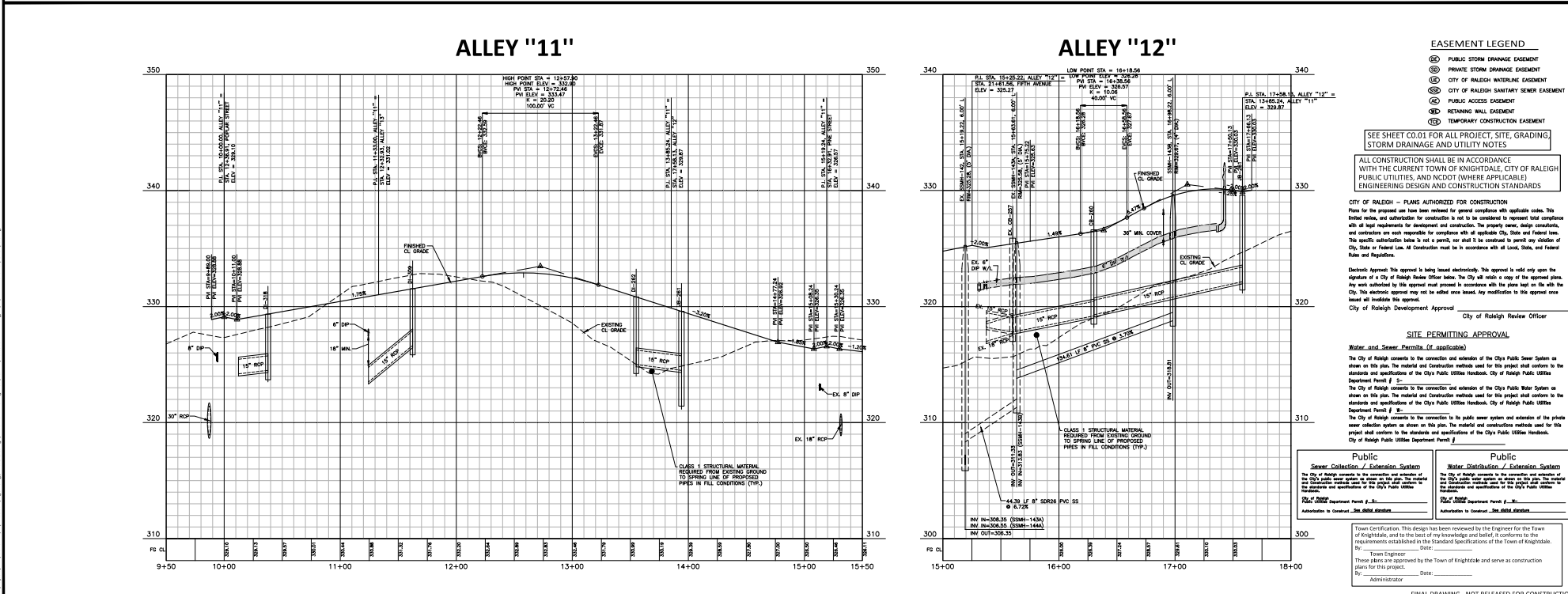
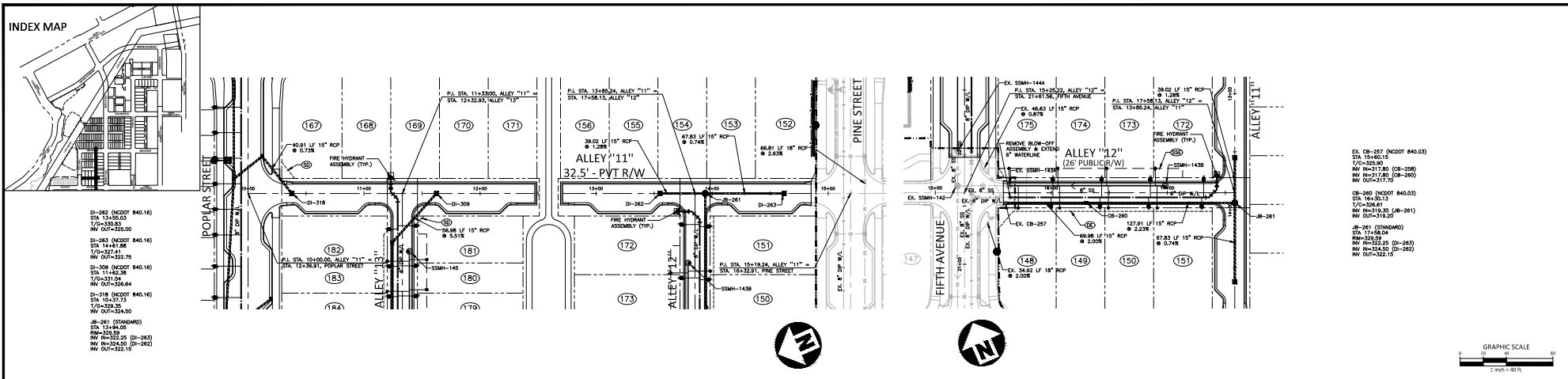
The John R. McAdams Company
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fax 919.361.2269
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www.mcadamsco.com



DOWNTOWN NORTH AT KNIGHTDALE STATION
CONSTRUCTION DRAWINGS - PHASE 2
N SMITHFIELD ROAD
KNIGHTDALE, NORTH CAROLINA

PLAN INFORMATION
PROJECT NO. AGN-21002
FILENAME: AGN21002 P2-P2
CHECKED BY: JCM / JEP
DRAWN BY: MRC / LRS / RAD
SCALE: 1" = 40'/1" = 4'
DATE: 10.13.2023

PLAN AND PROFILE
WILLOW STREET
STA. 9+50 THRU STA. 17+50
C5.32



- EASEMENT LEGEND**
- ⊖ PUBLIC STORM DRAINAGE EASEMENT
 - ⊖ PRIVATE STORM DRAINAGE EASEMENT
 - ⊖ CITY OF RALEIGH WATERLINE EASEMENT
 - ⊖ CITY OF RALEIGH SANITARY SEWER EASEMENT
 - ⊖ PUBLIC ACCESS EASEMENT
 - ⊖ RETAINING WALL EASEMENT
 - ⊖ TEMPORARY CONSTRUCTION EASEMENT

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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City of Raleigh Development Approval
 City of Raleigh Review Officer

SITE PERMITTING APPROVAL
 Water and Sewer Permits (if applicable)
 The City of Raleigh consents to the connection and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 3-2.
 The City of Raleigh consents to the connection and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 3-2.
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Public	Public
Sewer Collection / Extension System The City of Raleigh consents to the connection and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 3-2. Authorization to Construct: See Utility Division	Water Distribution / Extension System The City of Raleigh consents to the connection and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 3-2. Authorization to Construct: See Utility Division

Seal Confirmation: 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.
 Date: _____
 These plans are approved by the Town of Knightdale and serve as construction plans for this project.
 Date: _____
 Administrator

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 7208 FALLS OF NEUSE RD, SUITE 101
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REVISIONS

NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		

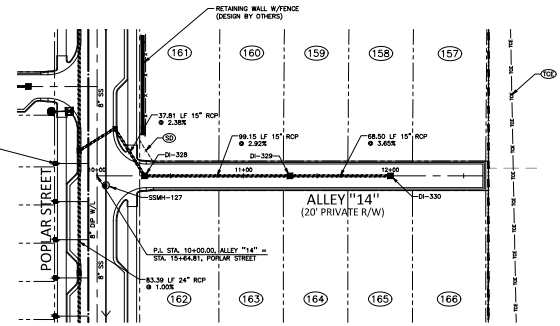
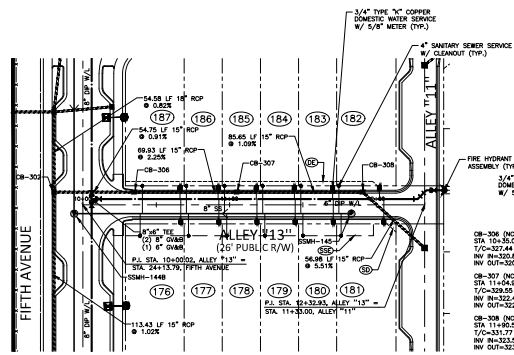
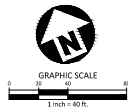


DOWNTOWN NORTH AT KNIGHTDALE STATION CONSTRUCTION DRAWINGS - PHASE 2
 N SMITHFIELD ROAD
 KNIGHTDALE, NORTH CAROLINA

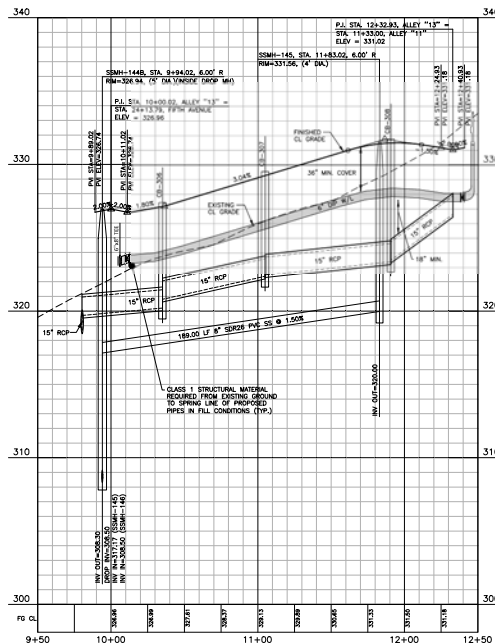
PLAN INFORMATION
 PROJECT NO. AGN-21002
 FILENAME: AGN21002 P2-P2
 CHECKED BY: JCM / JEP
 DRAWN BY: MRC / LRS / RAD
 SCALE: 1" = 40'/1" = 4'
 DATE: 10.13.2023

PLAN AND PROFILE
 ALLEY '11' & ALLEY '12'
 STA. 9+50 THRU STA. 15+50
 STA. 15+00 THRU STA. 18+00
C5.33

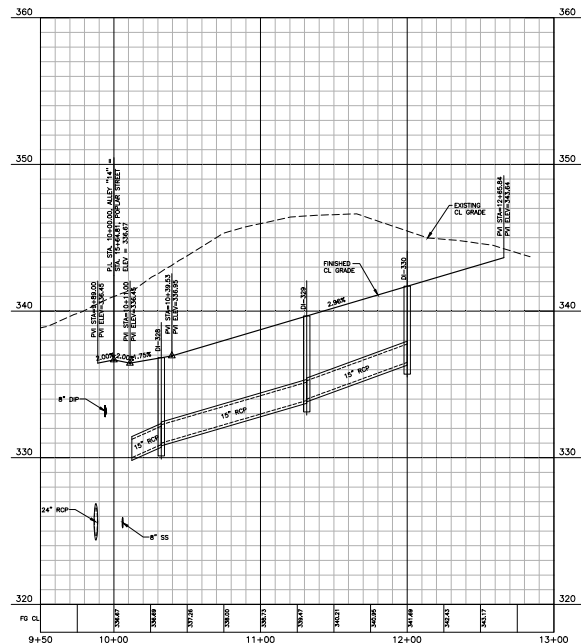
INDEX MAP



ALLEY "13"



ALLEY "14"



EASEMENT LEGEND

- Ⓢ PUBLIC STORM DRAINAGE EASEMENT
- Ⓣ PRIVATE STORM DRAINAGE EASEMENT
- Ⓤ CITY OF RALEIGH WATERLINE EASEMENT
- Ⓡ CITY OF RALEIGH SANITARY SEWER EASEMENT
- Ⓜ PUBLIC ACCESS EASEMENT
- Ⓜ RETAINING WALL EASEMENT
- Ⓜ TEMPORARY CONSTRUCTION EASEMENT

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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 based on the date the City of Raleigh Development Approval is issued. Any modification to this approval must be issued and recorded by the City of Raleigh Development Approval.

City of Raleigh Review Officer

SITE PERMITTING APPROVAL

Water and Sewer Permits (if applicable)
The City of Raleigh consents to the connection and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 2-...
The City of Raleigh consents to the connection and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 3-...
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 construction methods used for this project shall conform to the standards and specifications of the City Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 4-...

Public	
<p>Water Collection / Extension System The City of Raleigh consents to the connection and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 2-... Authorization to Construct: See utility drawings.</p>	<p>Water Distribution / Extension System The City of Raleigh consents to the connection and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 3-... Authorization to Construct: See utility drawings.</p>

Plan 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.
Town Engineer: _____ Date: _____
These plans are approved by the Town of Knightdale and serve as construction plans for this project.
Date: _____
Administrator: _____

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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JACOB ANDERSON
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REVISIONS

NO.	DATE	DESCRIPTION
1		
2		
3		
4		
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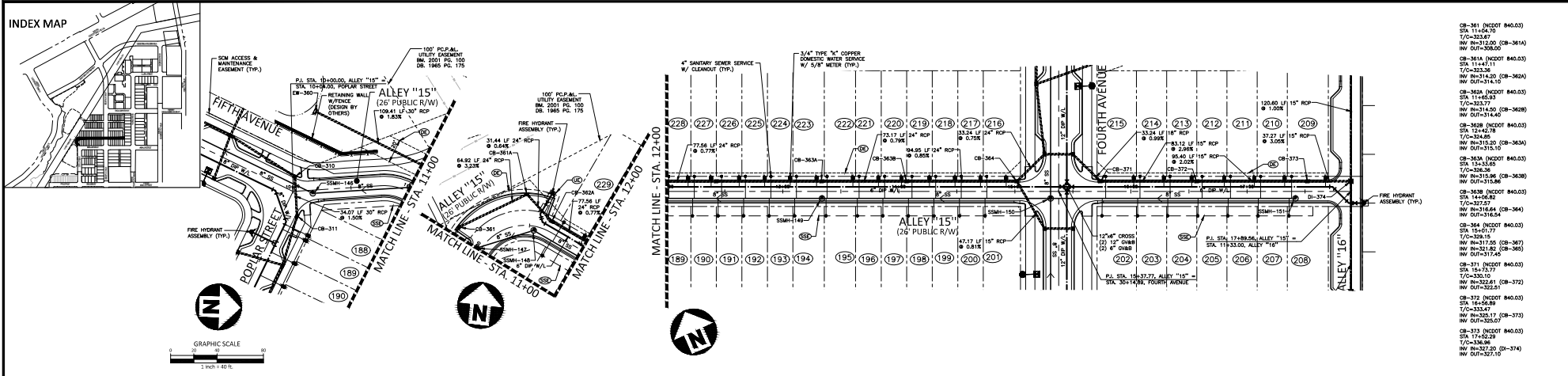


DOWNTOWN NORTH AT KNIGHTDALE STATION
CONSTRUCTION DRAWINGS - PHASE 2
N SMITHFIELD ROAD
KNIGHTDALE, NORTH CAROLINA

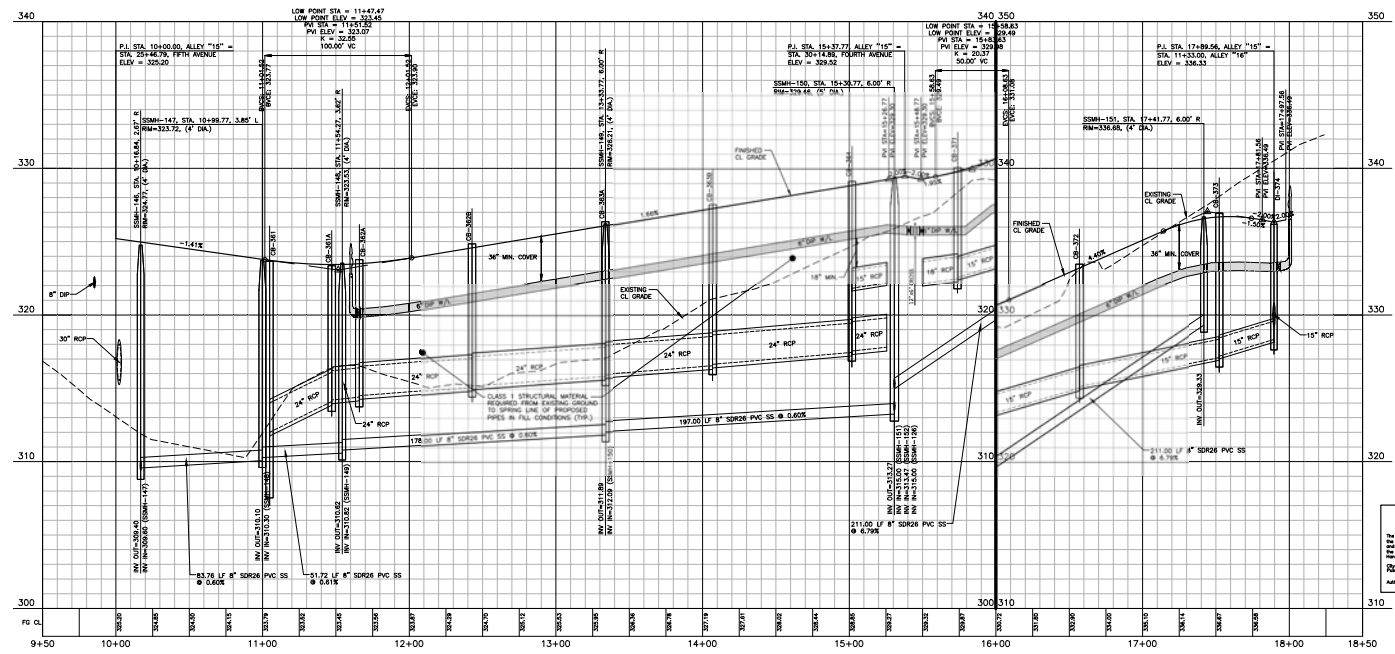
PLAN INFORMATION
PROJECT NO. AGN-21002
FILENAME: AGN21002 P2-P2
CHECKED BY JCM / TEP
DRAWN BY MRC / LRS / RAD
SCALE 1" = 40' / 1" = 4'
DATE 10.13.2023

PLAN AND PROFILE
ALLEY "13" & ALLEY "14"
STA. 9+50 THRU STA. 12+50
STA. 9+50 THRU STA. 13+00

C5.34



ALLEY "15"



EASEMENT LEGEND

- Ⓢ PUBLIC STORM DRAINAGE EASEMENT
- Ⓣ PRIVATE STORM DRAINAGE EASEMENT
- Ⓤ CITY OF RALEIGH SANITARY SEWER EASEMENT
- Ⓦ CITY OF RALEIGH SANITARY SEWER EASEMENT
- Ⓧ PUBLIC ACCESS EASEMENT
- Ⓨ RETAINING WALL EASEMENT
- Ⓩ TEMPORARY CONSTRUCTION EASEMENT

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION
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 City of Raleigh Development Approval
 City of Raleigh Review Officer

SITE PERMITTING APPROVAL

Water and Sewer Permits (if applicable)
 The City of Raleigh consents to the connection and extension of the City 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 Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 1-...
 The City of Raleigh consents to the connection and extension of the City Public Water System as shown on this plan. The material and construction methods used for this project and conform to the standards and specifications of the City Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 1-...
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Public	Public
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Seal 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.
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FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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 JACOB ANDERSON
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AGNC

REVISIONS

NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		



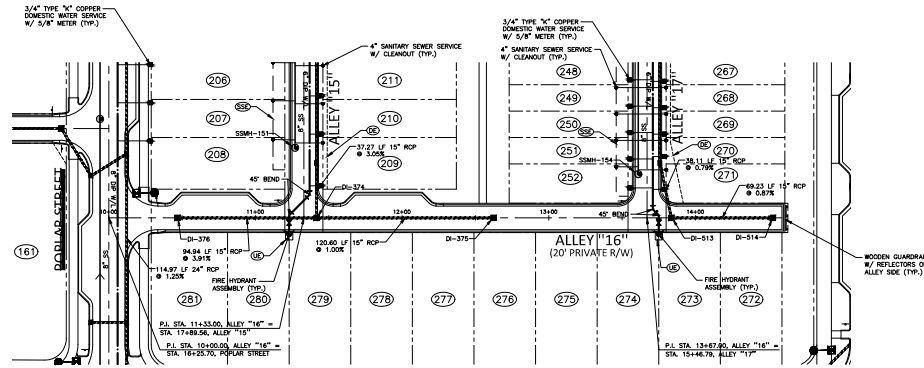
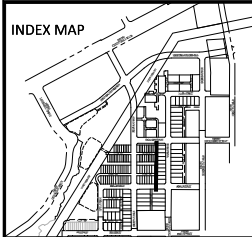
DOWNTOWN NORTH AT KNIGHTDALE STATION

CONSTRUCTION DRAWINGS - PHASE 2

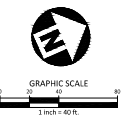
N SMITHFIELD ROAD KNIGHTDALE, NORTH CAROLINA

PLAN INFORMATION
 PROJECT NO. AGN-21002
 FILENAME: AGN21002-P2-P2
 CHECKED BY JCM / TEP
 DRAWN BY MRC / LRS / RAD
 SCALE 1" = 40' / 1" = 4'
 DATE 10.13.2023

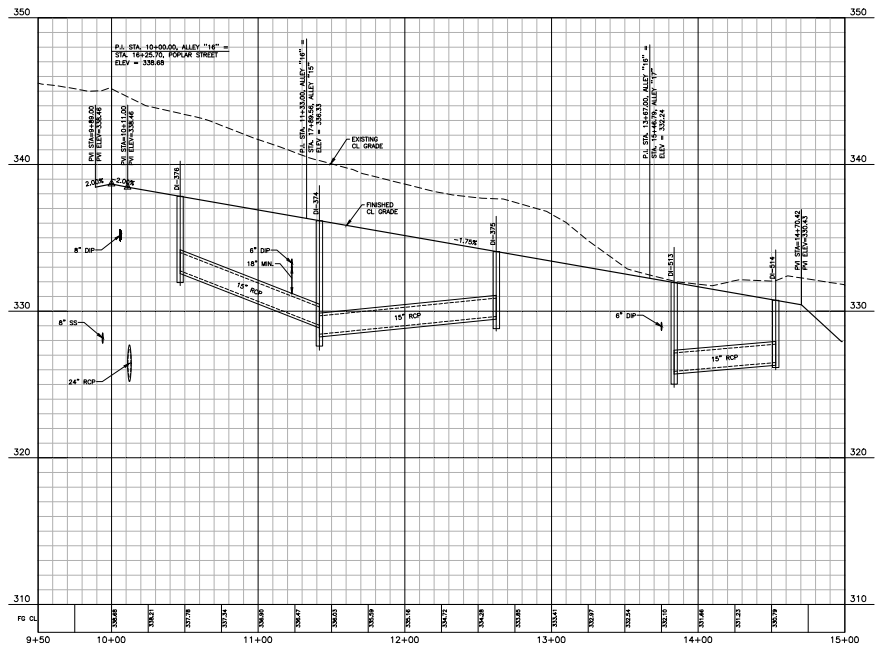
PLAN AND PROFILE
 ALLEY "15"
 STA. 9+50 THRU STA. 18+00
C5.35



- D-374 (NCDOT #40.16) STA 11+41.72 7/0=38.17
- INV =329.04 (D-376) NY =328.43 (D-375) INV OUT=328.34
- D-375 (NCDOT #40.16) STA 11+42.20 7/0=38.87
- INV OUT=329.64
- D-376 (NCDOT #40.16) STA 11+42.81 7/0=37.83
- INV OUT=331.25
- D-513 (NCDOT #40.16) STA 15+51.51 7/0=331.95
- INV OUT=325.80 (D-514)
- D-514 (NCDOT #40.16) STA 14+52.84 7/0=332.14
- INV OUT=326.50



ALLEY "16"



- EASEMENT LEGEND**
- Ⓢ PUBLIC STORM DRAINAGE EASEMENT
 - Ⓣ PRIVATE STORM DRAINAGE EASEMENT
 - Ⓤ CITY OF RALEIGH WATERLINE EASEMENT
 - Ⓦ CITY OF RALEIGH SANITARY SEWER EASEMENT
 - Ⓧ PUBLIC ACCESS EASEMENT
 - Ⓨ RETAINING WALL EASEMENT
 - Ⓩ TEMPORARY CONSTRUCTION EASEMENT

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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

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

SITE PERMITTING APPROVAL

Water and Sewer Permits (if applicable)
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Public Sewer Collection / Extension System	Public Water Distribution / 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 # 2- Authorization to Construct: See utility drawings	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 # 3- Authorization to Construct: See utility drawings

Plan Confirmation: 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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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
 ALLIANCE GROUP OF NC, LLC
 7208 FALLS OF NEUSE RD, SUITE 101
 RALEIGH, NORTH CAROLINA 27615
 JACOB ANDERSON
 PHONE: 919.239.9486

AGNC

REVISIONS

NO.	DATE
1	
2	
3	
4	
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7	
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10	



DOWNTOWN NORTH AT KNIGHTDALE STATION

CONSTRUCTION DRAWINGS - PHASE 2

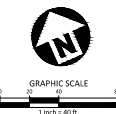
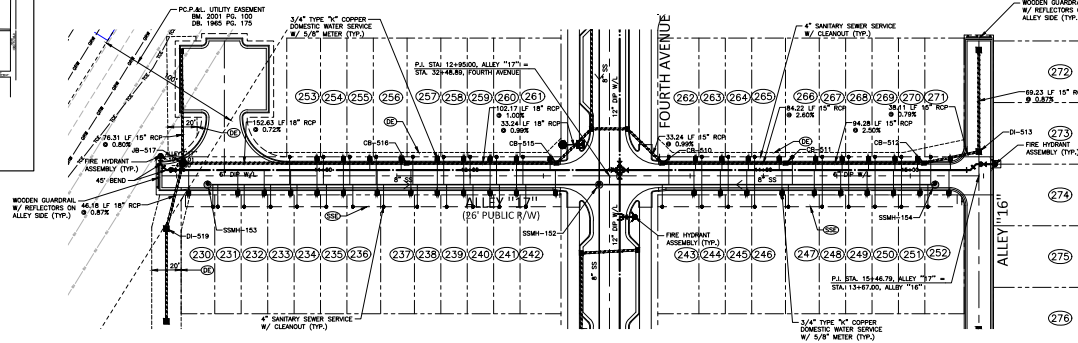
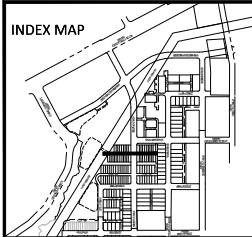
N SMITHFIELD ROAD
 KNIGHTDALE, NORTH CAROLINA

PLAN INFORMATION

PROJECT NO.	AGN-21002
FILENAME	AGN21002 P2-P3
CHECKED BY	JCM / JEP
DRAWN BY	MRC / LRS / RAD
SCALE	1" = 40'/1" = 4'
DATE	10.13.2023

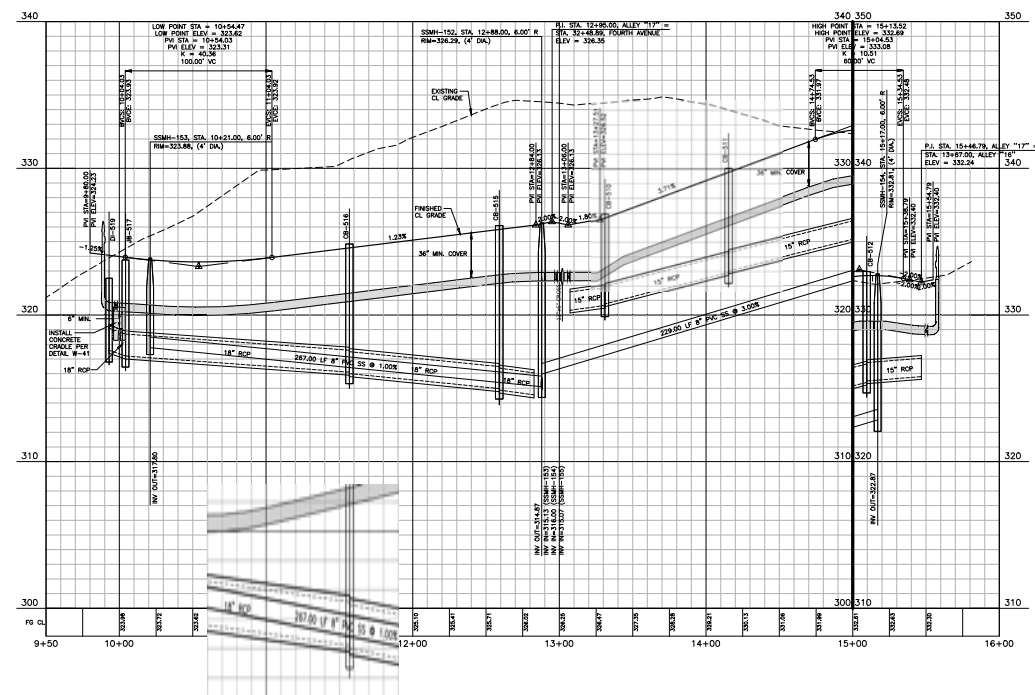
PLAN AND PROFILE
 ALLEY 16
 STA. 9+50 THRU STA. 15+00

C5.36



- CB-510 (NCDOT 840.03) STA 13+31.00 7/0=204.00 INV BN-200.75 (CB-511) INV OUT=200.65
- CB-511 (NCDOT 840.03) STA 14+15.22 INV BN-203.04 (CB-512) INV OUT=202.94
- CB-512 (NCDOT 840.03) STA 15+09.20 7/0=202.00 INV BN-205.50 (CB-513) INV OUT=202.40
- CB-513 (NCDOT 840.03) STA 11+56.91 7/0=204.00 INV BN-216.10 (CB-517) INV OUT=216.00
- CB-518 (NCDOT 840.14) STA 9+03.00 7/0=202.00 INV BN-217.70 (CB-520) INV OUT=217.60
- JB-517 (STANDARD) STA 10+16.79 RM=353.79 INV BN-217.20 (CB-518) INV BN-217.80 (CB-518) INV OUT=217.50

ALLEY "17"



- EASEMENT LEGEND**
- Ⓢ PUBLIC STORM DRAINAGE EASEMENT
 - Ⓣ PRIVATE STORM DRAINAGE EASEMENT
 - Ⓤ CITY OF RALEIGH WATERLINE EASEMENT
 - Ⓦ CITY OF RALEIGH SANITARY SEWER EASEMENT
 - Ⓧ PUBLIC ACCESS EASEMENT
 - Ⓨ RETAINING WALL EASEMENT
 - Ⓩ TEMPORARY CONSTRUCTION EASEMENT

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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 City of Raleigh Review Officer

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Public		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 # 2-...	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 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 # 3-...
Advertisement to Construct - See 0812-010101	Advertisement to Construct - See 0812-010101	Advertisement to Construct - See 0812-010101	Advertisement to Construct - See 0812-010101

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 Administrator: _____

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 JACOB ANDERSON
 PHONE: 919.239.9486



DOWNTOWN NORTH AT KNIGHTDALE STATION

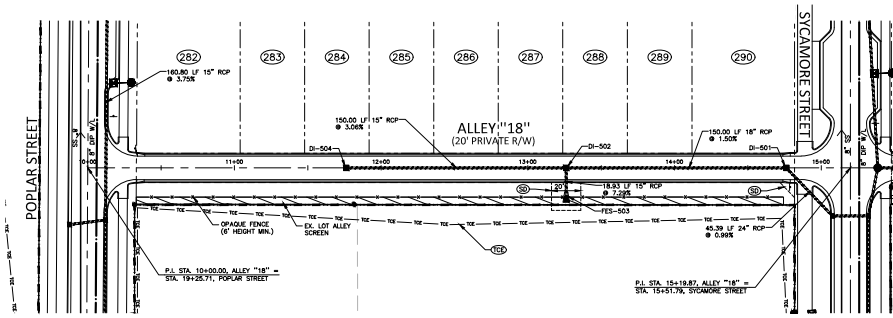
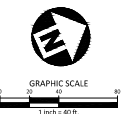
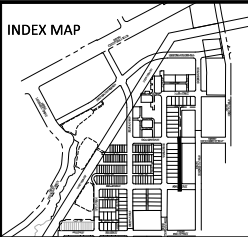
CONSTRUCTION DRAWINGS - PHASE 2

N SMITHFIELD ROAD KNIGHTDALE, NORTH CAROLINA

PLAN INFORMATION
 PROJECT NO. AGN-21002
 FILENAME: AGS21002-P2-P3
 CHECKED BY JCM / JEP
 DRAWN BY MRC / LRS / RAD
 SCALE 1" = 40'/1" = 4'
 DATE 10.13.2023

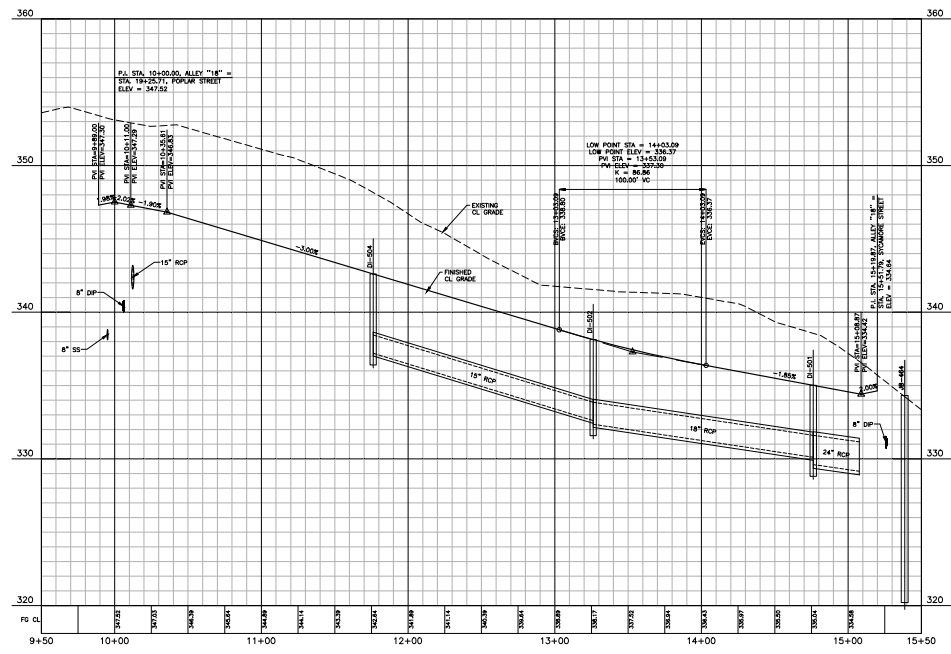
PLAN AND PROFILE
 ALLEY # 011
 STA. 9+50 THRU STA. 16+00

C5.37



D=501 (NCDOT 840.14)
 STA 14+78.19
 1/2"=330.02
 INV 507-328.61
 D=502 (NCDOT 840.14)
 STA 12+58.15
 1/2"=338.14
 INV 508-552.32 (FES-503)
 INV 508-532.61 (D=504)
 INV 507-333.30
 D=504 (NCDOT 840.14)
 STA 11+76.15
 1/2"=342.81
 INV 507-331.20
 FES-503
 INV=337.10

ALLEY "18"



- EASEMENT LEGEND**
- ⊖ PUBLIC STORM DRAINAGE EASEMENT
 - ⊖ PRIVATE STORM DRAINAGE EASEMENT
 - ⊖ CITY OF RALEIGH WATERLINE EASEMENT
 - ⊖ CITY OF RALEIGH SANITARY SEWER EASEMENT
 - ⊖ PUBLIC ACCESS EASEMENT
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Public Sewer Collection / Substation System	Public Water Distribution / Substation System
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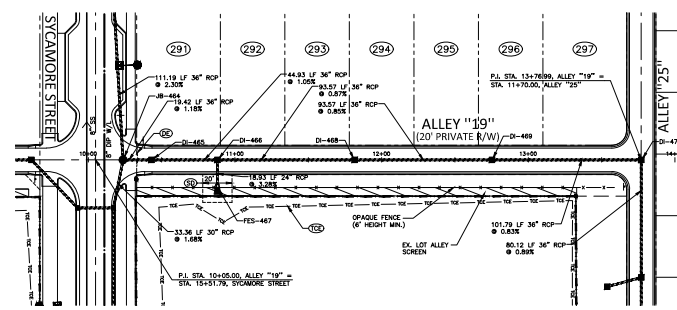
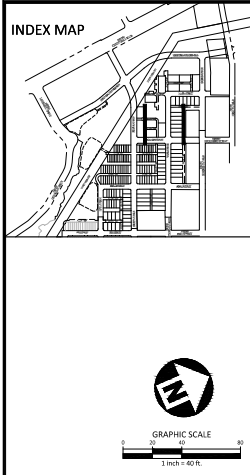
AGNC



DOWNTOWN NORTH AT KNIGHTDALE STATION
CONSTRUCTION DRAWINGS - PHASE 2
 N SMITHFIELD ROAD
 KNIGHTDALE, NORTH CAROLINA

PLAN INFORMATION
 PROJECT NO. AGN-21002
 FILENAME: AGN21002 P2-P3
 CHECKED BY JCM / TEP
 DRAWN BY MRC / LRS / RAD
 SCALE 1" = 40'/1" = 4'
 DATE 10.13.2023

PLAN AND PROFILE
 ALLEY 18
 STA. 9+50 THRU STA. 15+50
C5.38



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7/0=334.09
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HW OUT=321.07

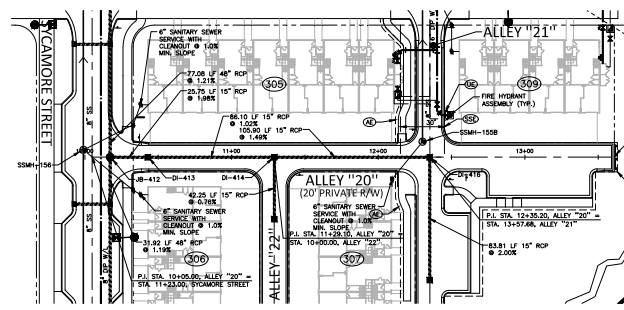
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STA 11453.96
7/0=333.77
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HW OUT=321.64

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STA 11483.63
7/0=338.40
HW IN=322.65 (DI-468)
HW OUT=322.55

DI-470 (NCDOT 840.16)
STA 11479.20
7/0=338.40
HW IN=322.55 (DI-470)
HW OUT=322.45

DI-469 (NCDOT 840.16)
STA 11479.20
7/0=338.40
HW IN=322.49 (DI-471)
HW OUT=322.39

DI-464 (STANDARD)
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7/0=338.40
HW IN=320.84 (DI-465)
HW OUT=320.74 (DI-469)

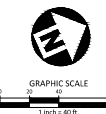


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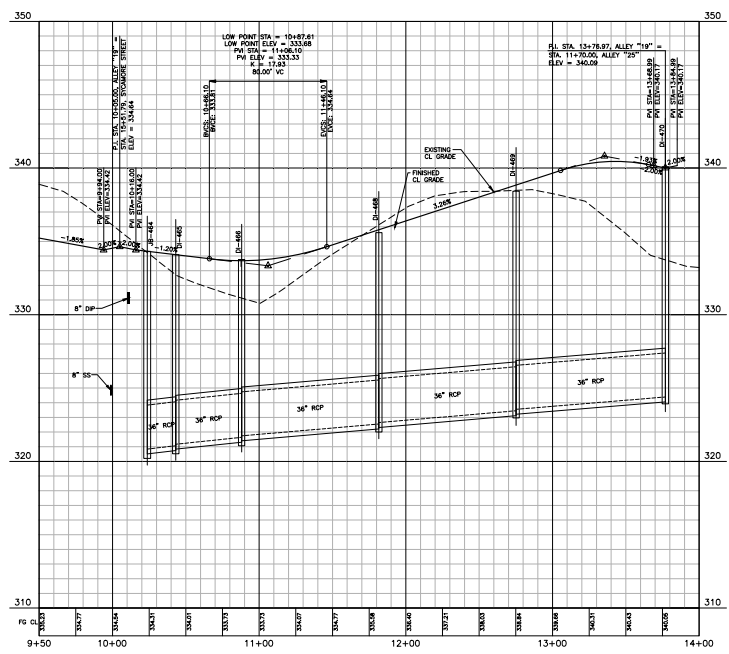
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HW IN=318.88 (DI-415)
HW OUT=317.68

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7/0=324.44
HW IN=318.88 (DI-415)
HW OUT=317.68

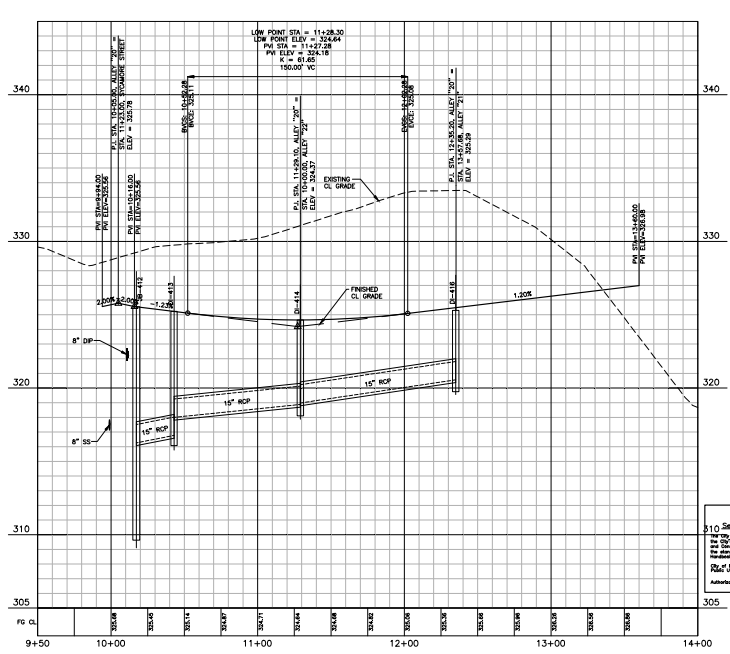
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STA 10412.25
7/0=324.44
HW IN=316.26 (DI-413)
HW OUT=315.10



ALLEY "19"



ALLEY "20"



EASEMENT LEGEND

- Ⓢ PUBLIC STORM DRAINAGE EASEMENT
- Ⓢ PRIVATE STORM DRAINAGE EASEMENT
- Ⓢ CITY OF RALEIGH WATERLINE EASEMENT
- Ⓢ CITY OF RALEIGH SANITARY SEWER EASEMENT
- Ⓢ PUBLIC ACCESS EASEMENT
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City of Raleigh Development Approval
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SITE PERMITTING APPROVAL

Water and Sewer Permits (if applicable)
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Public	Public
310 Sewer Collection / Extension System The City of Raleigh consents to the connection and extension of the City Public Sewer System on shown on this plan. The material and Construction methods used for this project shall conform to the standards and specifications of the City Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 2- Authorization to Construct: See 0816-010101	Public Extension System The City of Raleigh consents to the connection and extension of the City Public Water System on shown on this plan. The material and Construction methods used for this project shall conform to the standards and specifications of the City Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # 3- Authorization to Construct: See 0816-010101

Seal 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.
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REVISIONS

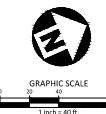
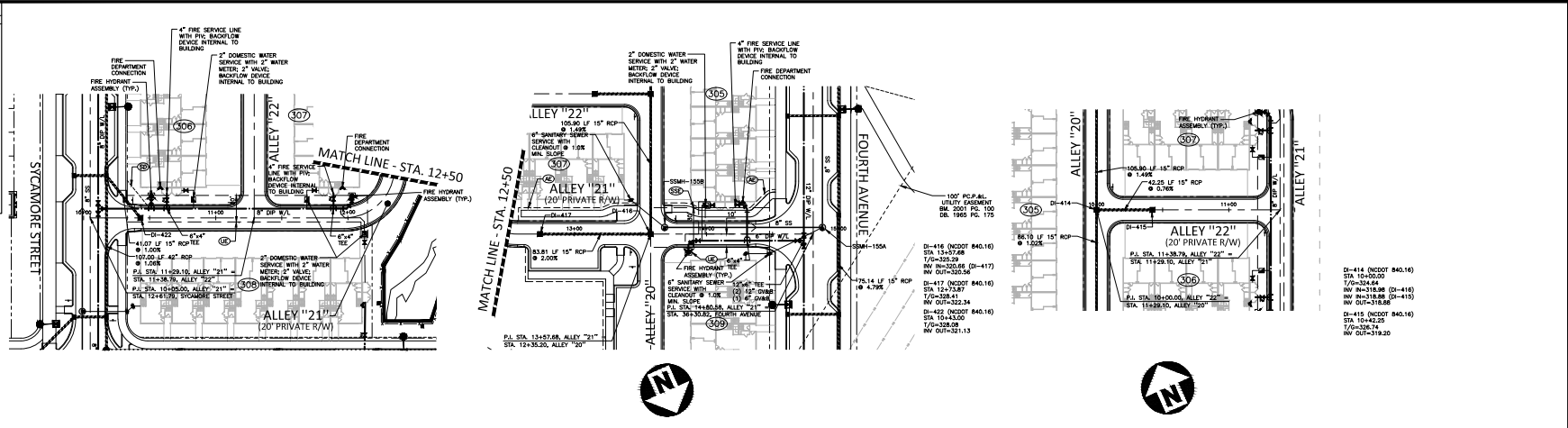
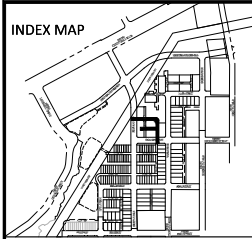
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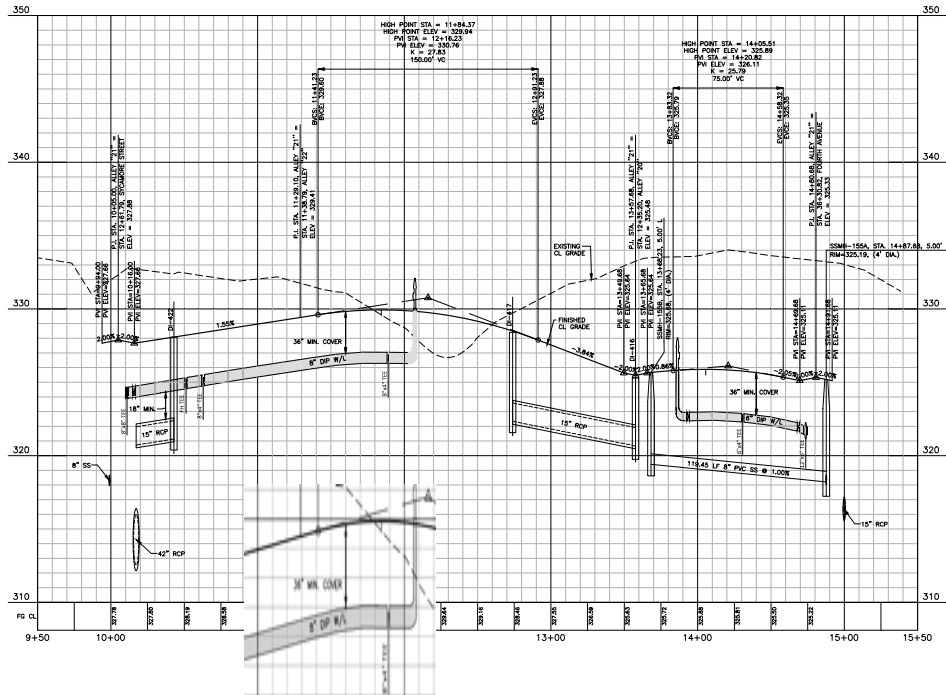
DOWNTOWN NORTH AT KNIGHTDALE STATION CONSTRUCTION DRAWINGS - PHASE 2 N SMITHFIELD ROAD KNIGHTDALE, NORTH CAROLINA

PLAN INFORMATION
PROJECT NO. AGN-21002
FILENAME: AGN21002 P2-P3
CHECKED BY: JCM / TEP
DRAWN BY: MRC / LRS / RAD
SCALE: 1" = 40'/1" = 4'
DATE: 10.13.2023

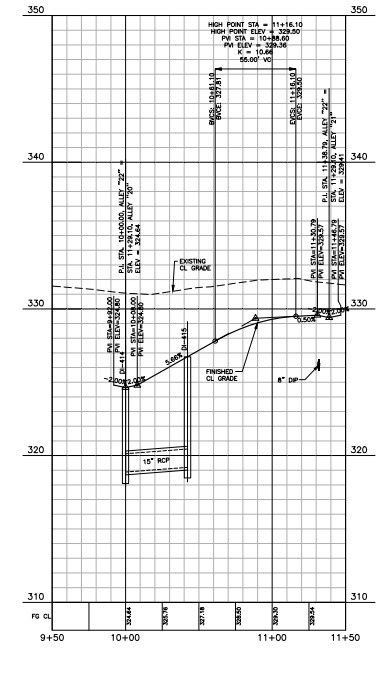
PLAN AND PROFILE
ALLEY 19 (DI-465) ALLEY 20 (DI-413)
STA. 9+50 THRU STA. 14+00
STA. 9+50 THRU STA. 14+00
C5.39



ALLEY "21"



ALLEY "22"



- EASEMENT LEGEND**
- ⊖ PUBLIC STORM DRAINAGE EASEMENT
 - ⊖ PRIVATE STORM DRAINAGE EASEMENT
 - ⊖ CITY OF RALEIGH WATERLINE EASEMENT
 - ⊖ CITY OF RALEIGH SANITARY SEWER EASEMENT
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 Town Engineer: _____ Date: _____
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 Date: _____
 Administrator: _____

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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

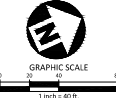
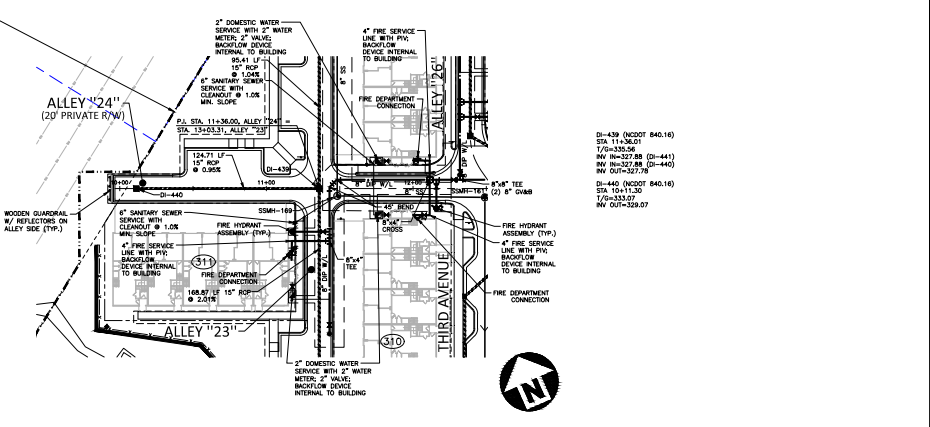
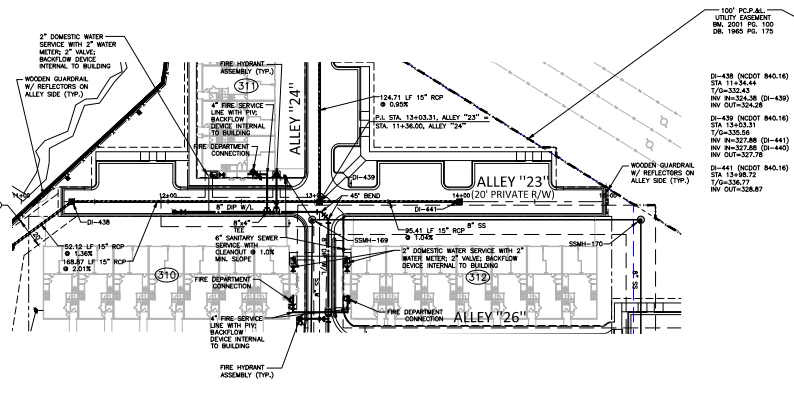
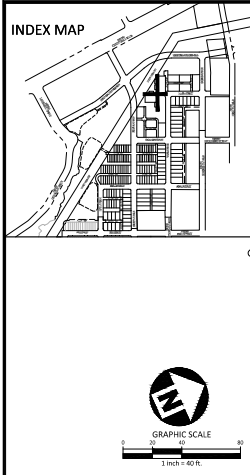
CLIENT
 ALLIANCE GROUP OF NC, LLC
 7208 FALLS OF NEUSE RD, SUITE 10
 RALEIGH, NORTH CAROLINA 27615
 JACOB ANDERSON
 PHONE: 919.239.9486



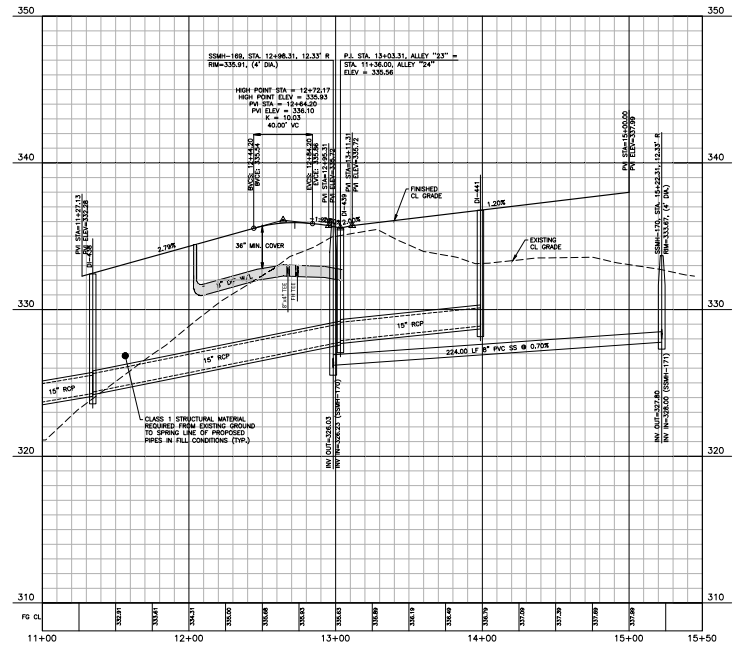
DOWNTOWN NORTH AT KNIGHTDALE STATION
CONSTRUCTION DRAWINGS - PHASE 2
N SMITHFIELD ROAD
KNIGHTDALE, NORTH CAROLINA

PLAN INFORMATION
 PROJECT NO. AGN-21002
 FILENAME: AGN21002-P2-P3
 CHECKED BY: JCM / JEP
 DRAWN BY: MRC / LRS / RAD
 SCALE: 1" = 40'/1" = 4'
 DATE: 10.13.2023

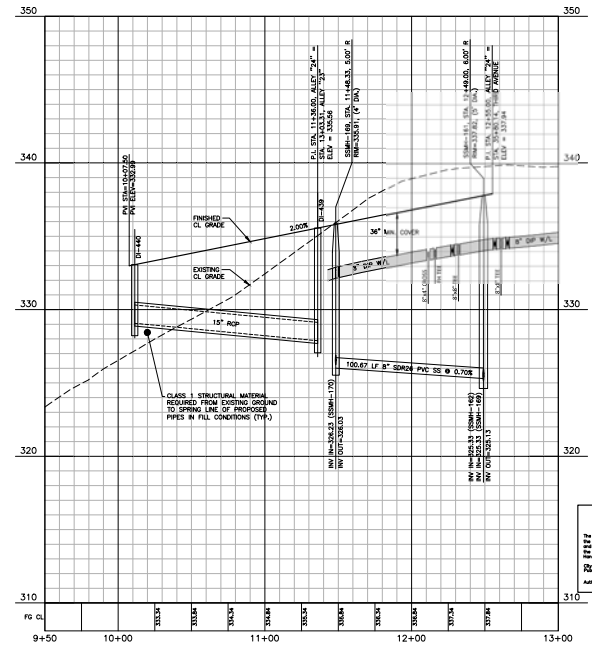
PLAN AND PROFILE
 ALLEY "21" & ALLEY "22"
 STA. 9+50 THRU STA. 15+00
 STA. 9+50 THRU STA. 11+50
C5.40



ALLEY "23"



ALLEY "24"



- EASEMENT LEGEND**
- ⊕ PUBLIC STORM DRAINAGE EASEMENT
 - ⊖ PRIVATE STORM DRAINAGE EASEMENT
 - ⊙ CITY OF RALEIGH WATERLINE EASEMENT
 - ⊖ RETAINING WALL EASEMENT
 - ⊕ PUBLIC ACCESS EASEMENT
 - ⊖ TEMPORARY CONSTRUCTION EASEMENT
- SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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 Date: _____
 I, _____, Town Engineer
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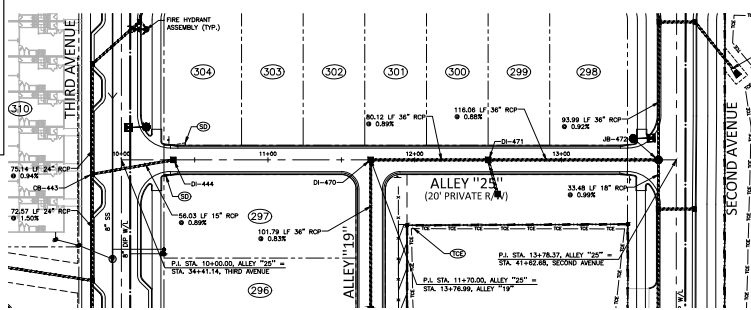
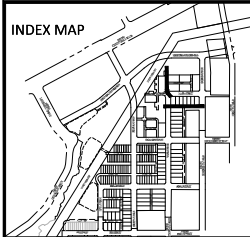
AGNC



DOWNTOWN NORTH AT KNIGHTDALE STATION
CONSTRUCTION DRAWINGS - PHASE 2
 N SMITHFIELD ROAD
 KNIGHTDALE, NORTH CAROLINA

PLAN INFORMATION
 PROJECT NO. AGN-21002
 FILENAME: AGN21002 P2-P3
 CHECKED BY: JCM / TEP
 DRAWN BY: MRC / LRS / RAD
 SCALE: 1" = 40' / 1" = 4'
 DATE: 10.13.2023

PLAN AND PROFILE
 ALLEY "23" & ALLEY "24"
 STA. 9+50 THRU STA. 15+50
 STA. 9+50 THRU STA. 11+50
C5.41

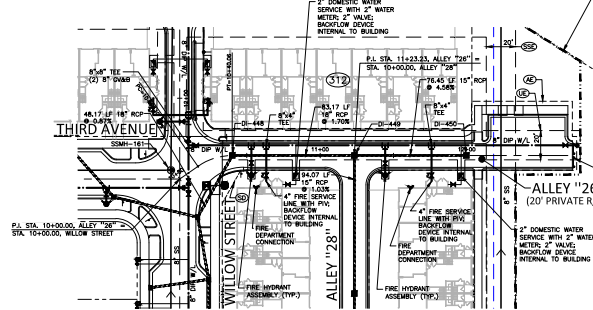


CB-443 (NCDOT 840.03)
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7/0=335.58
INV 8+325.89 (CB-443)
INV 8+327.50 (CB-444)
INV CUT=325.89

DI-444 (NCDOT 840.16)
STA 10+00.00
7/0=336.14
INV 10+326.17
INV CUT=328.00

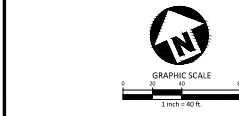
DI-470 (NCDOT 840.16)
STA 11+07.00
7/0=340.09
INV 8+324.49 (DI-471)
INV CUT=324.39

DI-471 (NCDOT 840.16)
STA 11+30.12
7/0=343.75
INV 8+325.30 (DI-472)
INV 8+326.65 (DI-471A)
STA 11+30.12
7/0=343.75
INV 8+325.30
STA 11+30.12 (DI-471A)
STA 11+30.12
7/0=343.75
INV 8+325.30 (DI-472)
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STA 11+30.12
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INV 8+325.30
STA 11+30.12 (DI-471A)

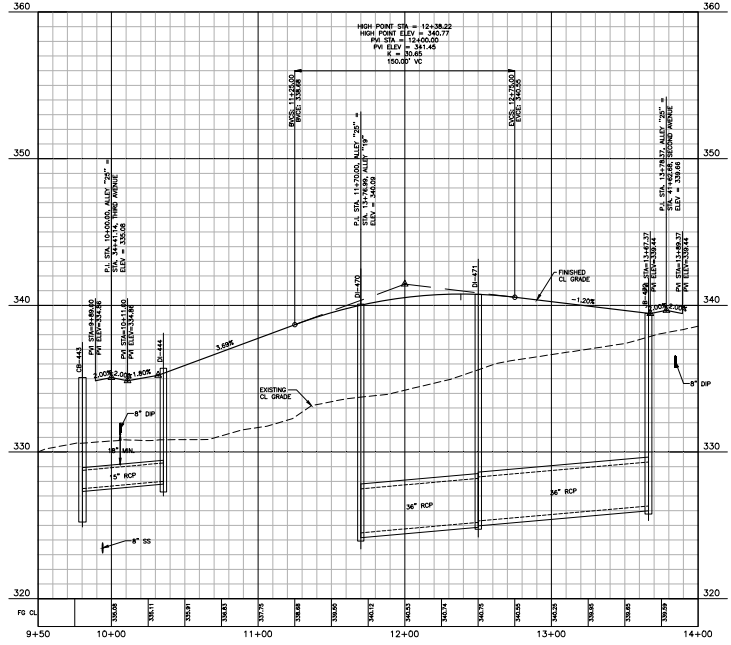


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7/0=328.48
INV 8+329.32 (DI-448)
INV 8+329.22

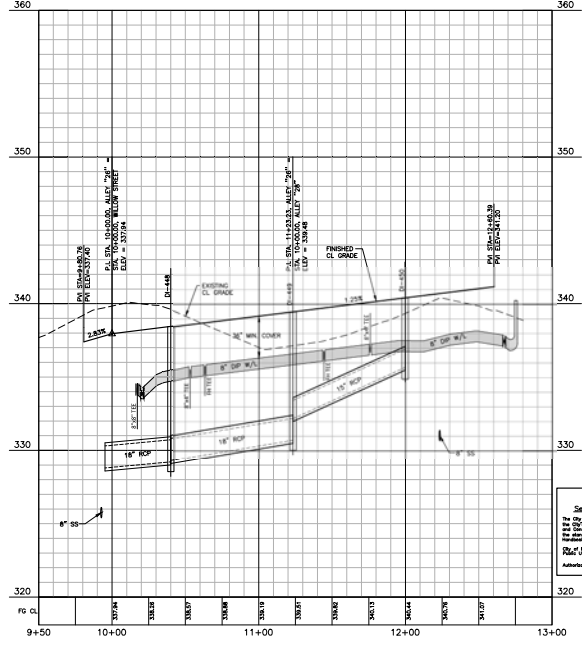
DI-449 (NCDOT 840.10)
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7/0=328.48
INV 8+331.08 (DI-451)
INV 8+332.20 (DI-450)
7/0=340.44
INV CUT=335.70



ALLEY "25"



ALLEY "26"



- EASEMENT LEGEND**
- ⊕ PUBLIC STORM DRAINAGE EASEMENT
 - ⊕ PRIVATE STORM DRAINAGE EASEMENT
 - ⊕ CITY OF RALEIGH WATERLINE EASEMENT
 - ⊕ CITY OF RALEIGH SANITARY SEWER EASEMENT
 - ⊕ PUBLIC ACCESS EASEMENT
 - ⊕ RETAINING WALL EASEMENT
 - ⊕ TEMPORARY CONSTRUCTION EASEMENT

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION

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City of Raleigh Development Approval

City of Raleigh Review Officer

SITE PERMITTING APPROVAL

Water and Sewer Permits (if applicable)

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Public Sewer Collection / Extension System	Public Water Distribution / Extension System
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Seal Confirmation: 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.

Date: _____

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Administrator

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CLIENT

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REVISIONS

NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		



DOWNTOWN NORTH AT KNIGHTDALE STATION

CONSTRUCTION DRAWINGS - PHASE 2

N SMITHFIELD ROAD
KNIGHTDALE, NORTH CAROLINA

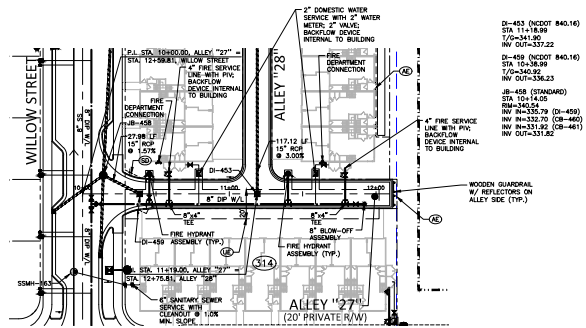
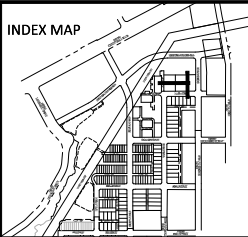
PLAN INFORMATION

PROJECT NO. AGN-21002
FILENAME: AGN21002 P2-P3
CHECKED BY: JCM / JEP
DRAWN BY: MRC / LRS / RAD
SCALE: 1" = 40'/1" = 4'
DATE: 10.13.2023

PLAN AND PROFILE

ALLEY "25" & ALLEY "26"
STA. 9+50 THRU STA. 14+00
STA. 9+50 THRU STA. 13+00

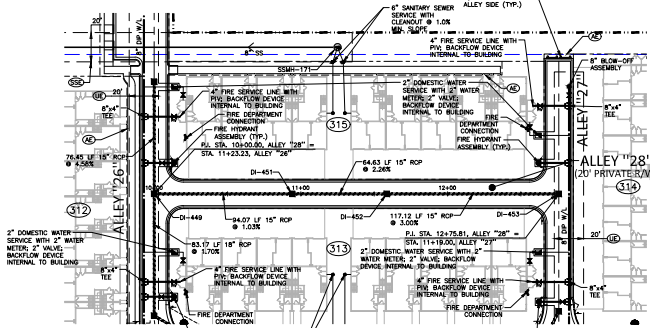
C5.42



D-453 (NCDOT 840.16)
STA 11+8.99
17'-0"=341.88
INV OUT=337.22

D-459 (NCDOT 840.16)
STA 12+0.00
17'-0"=341.88
INV OUT=336.23

JB-458 (STANDARD)
STA 12+4.00
RW=2435.79 (D=459)
RW=332.70 (D=460)
RW=331.85 (D=461)
INV OUT=335.82

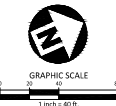


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RW=332.25 (D=450)
RW OUT=330.73

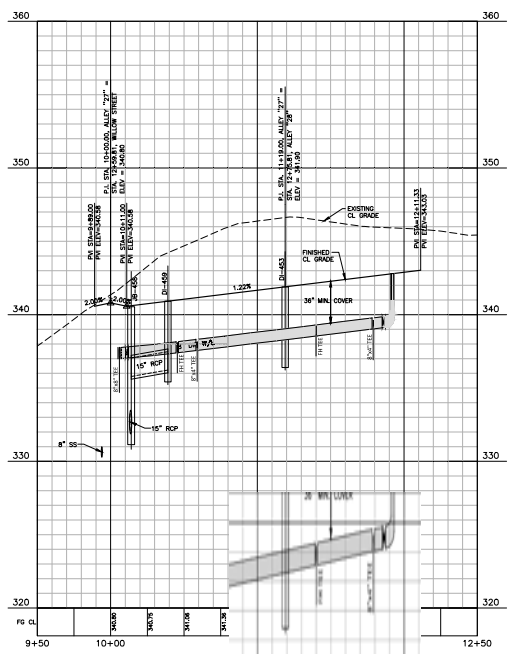
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17'-0"=341.88
RW=331.13 (D=452)
RW OUT=331.05

D-452 (NCDOT 840.16)
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17'-0"=341.88
RW=333.71 (D=453)
RW OUT=333.61

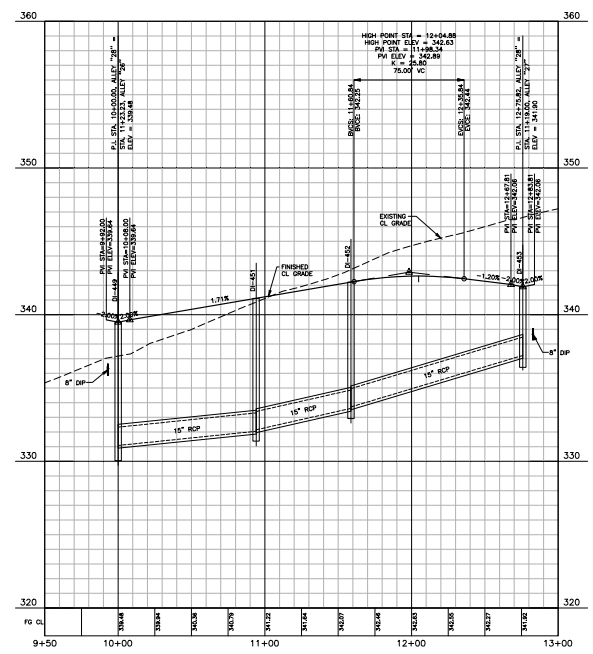
D-453 (NCDOT 840.16)
STA 12+15.00
17'-0"=341.88
RW OUT=337.22



ALLEY "27"



ALLEY "28"



- EASEMENT LEGEND**
- ⊖ PUBLIC STORM DRAINAGE EASEMENT
 - ⊖ PRIVATE STORM DRAINAGE EASEMENT
 - ⊖ CITY OF RALEIGH WATERLINE EASEMENT
 - ⊖ CITY OF RALEIGH SANITARY SEWER EASEMENT
 - ⊖ PUBLIC ACCESS EASEMENT
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Town Engineer
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McAdams
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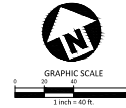
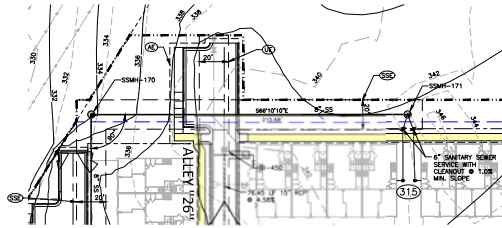
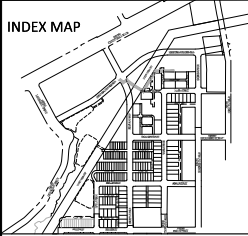


DOWNTOWN NORTH AT KNIGHTDALE STATION
CONSTRUCTION DRAWINGS - PHASE 2
N SMITHFIELD ROAD
KNIGHTDALE, NORTH CAROLINA

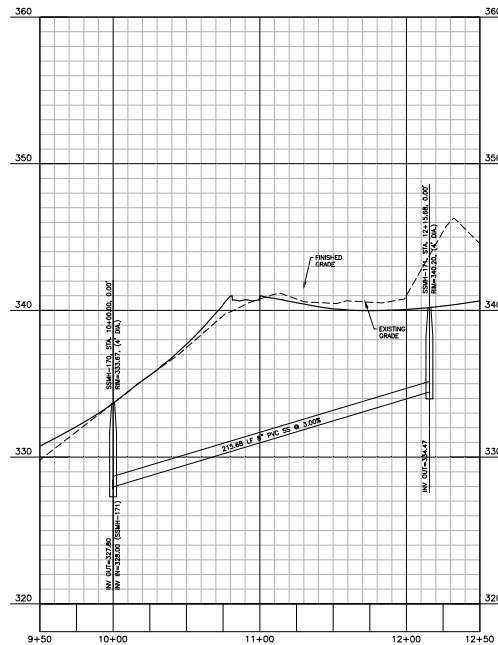
PLAN INFORMATION
PROJECT NO. AGN-21002
FILENAME: AGS21002 P2-P3
CHECKED BY: JCM / TEP
DRAWN BY: MRC / LRS / RAD
SCALE: 1" = 40' / 1" = 4'
DATE: 10.13.2023

PLAN AND PROFILE
ALLEY "27" & ALLEY "28"
STA. 9+50 THRU STA. 12+50
STA. 9+50 THRU STA. 13+00
C5.43

INDEX MAP



SS OUTFALL "100" - "B"



EASEMENT LEGEND

- Ⓢ PUBLIC STORM DRAINAGE EASEMENT
- Ⓣ PRIVATE STORM DRAINAGE EASEMENT
- Ⓤ CITY OF RALEIGH WATERLINE EASEMENT
- Ⓦ CITY OF RALEIGH SANITARY SEWER EASEMENT
- Ⓧ PUBLIC ACCESS EASEMENT
- Ⓨ RETAINING WALL EASEMENT
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City of Raleigh Review Officer

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By: _____ Date: _____
Administrator

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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
ALLIANCE GROUP OF NC, LLC
7208 FALLS OF NEUSE RD, SUITE 101
RALEIGH, NORTH CAROLINA 27615
JACOB ANDERSON
PHONE: 919.239.9486



DOWNTOWN NORTH AT KNIGHTDALE STATION CONSTRUCTION DRAWINGS - PHASE 2
N SMITHFIELD ROAD
KNIGHTDALE, NORTH CAROLINA

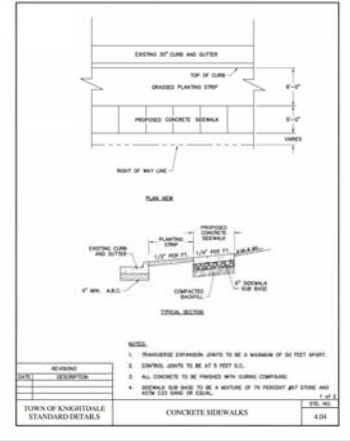
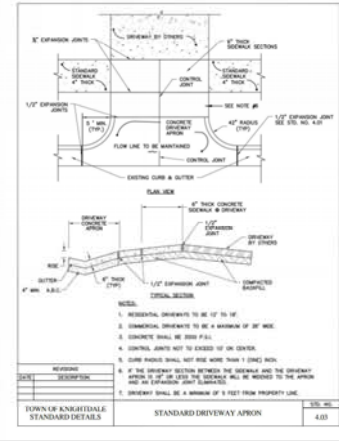
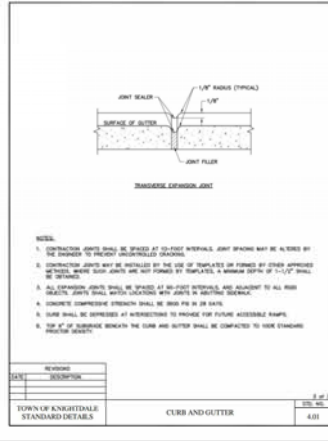
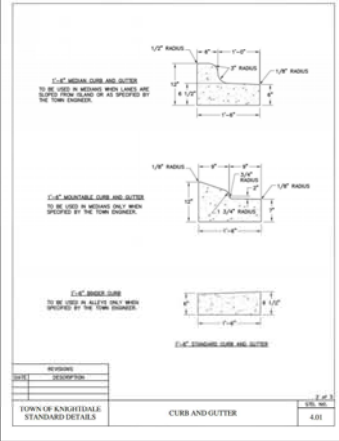
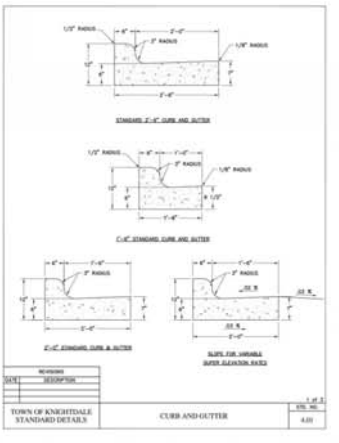
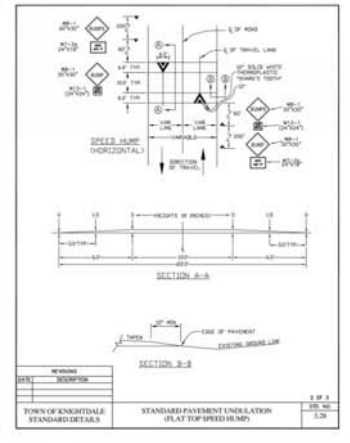
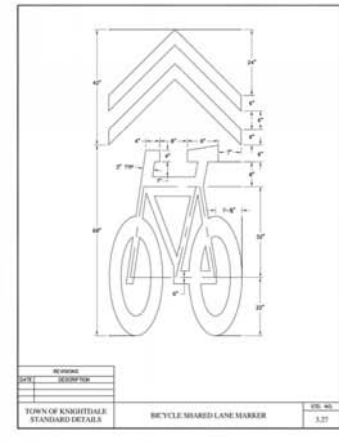
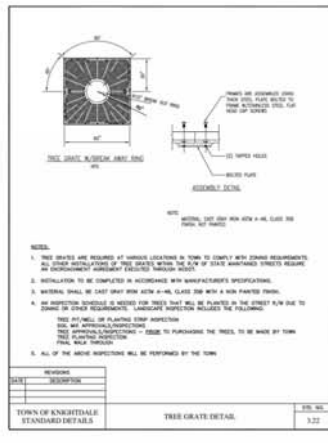
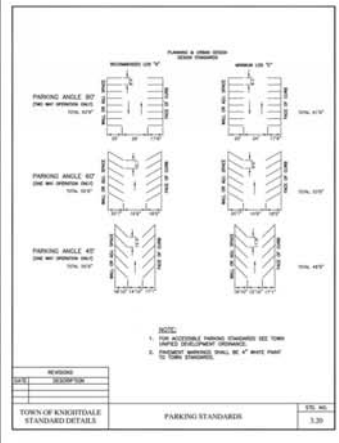
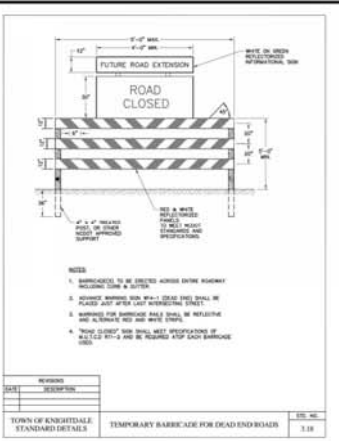
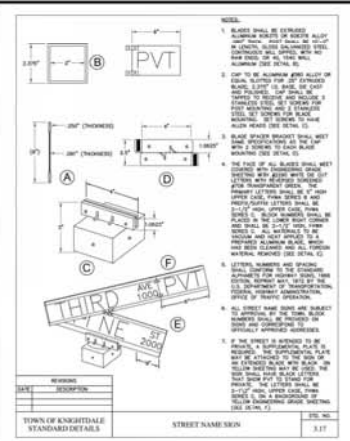
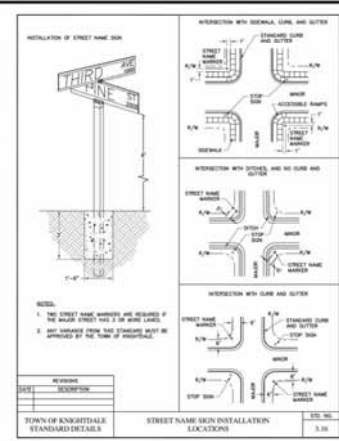
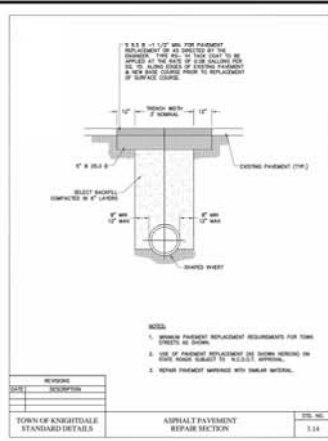
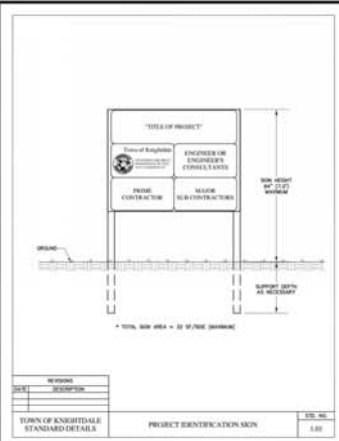
PLAN INFORMATION
PROJECT NO. AGN-21002
FILENAME: AGN21002 P2-P4
CHECKED BY JCM / TEP
DRAWN BY MRC / LRS / RAD
SCALE 1" = 40'/1" = 4'
DATE 10.13.2023

PLAN AND PROFILE
SS OUTFALL "100" - "B"
STA. 9+50 THRU STA. 12+50
C5.44

CLIENT
ALLIANCE GROUP OF NC, LLC
7208 FALLS OF NEUSE RD, SUITE 101
RALEIGH, NORTH CAROLINA 27615
JACOB ANDERSON
PHONE: 919.226.9486



**DOWNTOWN NORTH AT
KNIGHTDALE STATION
CONSTRUCTION DRAWINGS
N SMITHFIELD ROAD
KNIGHTDALE, NORTH CAROLINA**



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. For approval of this project, I certify that the design complies with the requirements of the Standard Specifications of the Town of Knightdale. I hereby approve this project.

Date: _____
Title: Administrator

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

REVISIONS

NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		

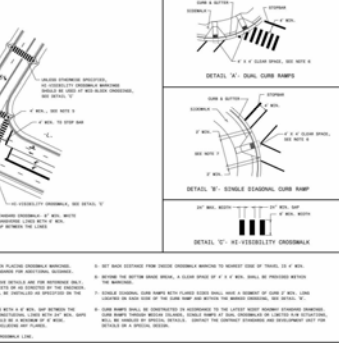
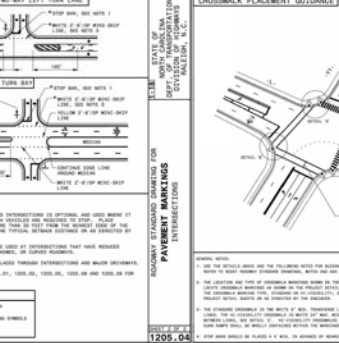
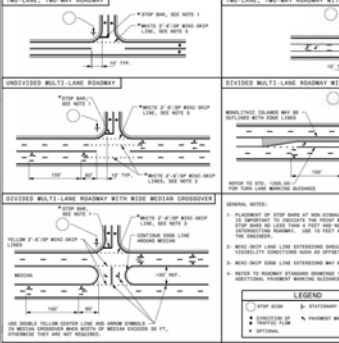
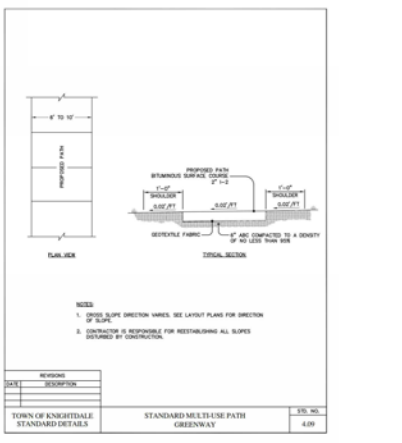
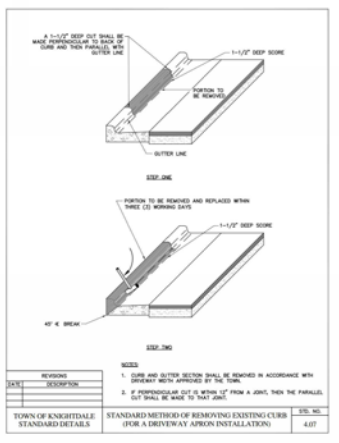
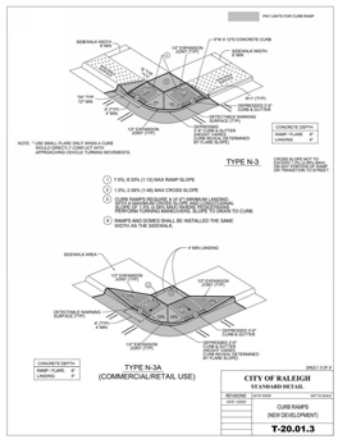
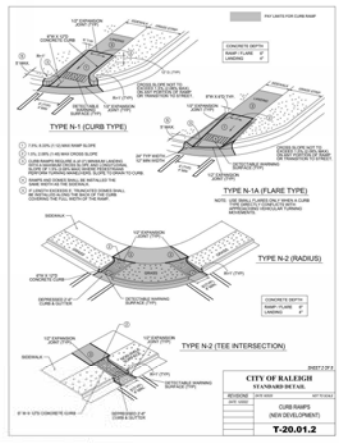
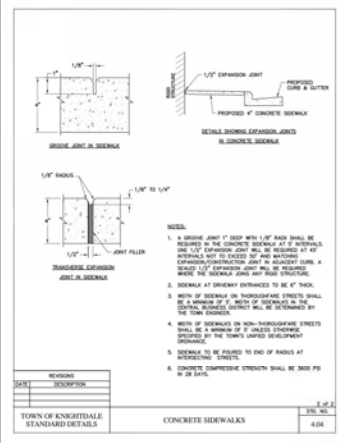
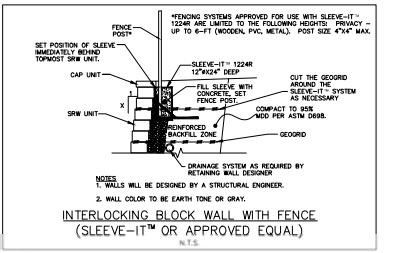
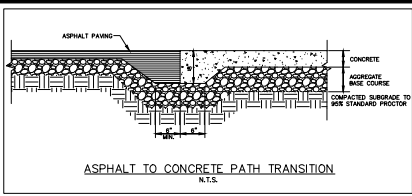
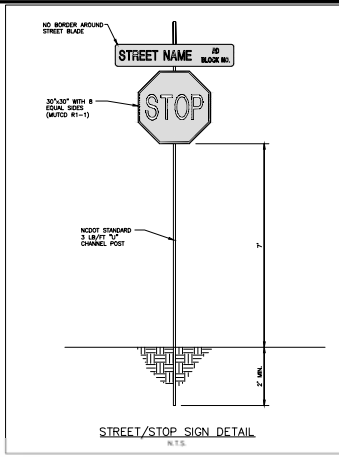
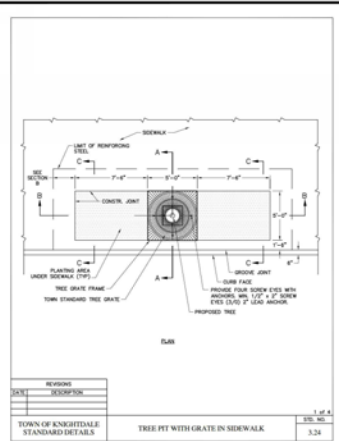
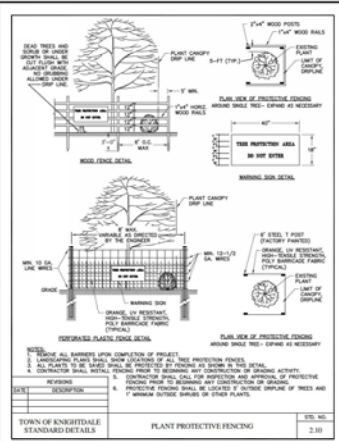
PLAN INFORMATION

PROJECT NO. AGN-21002
FILENAME: AGN21002-P2-D1
CHECKED BY: TEP
DRAWN BY: RUF
SCALE: N/A
DATE: 10.13.2023

SHEET

SITE DETAILS

C8.20



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, NC.
Town Engineer
These plans are approved by the Town of Knightdale and serve as construction plans for this project.
By: _____ Date: _____
Administrator

REVISIONS

NO.	DATE
1.	
2.	
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PLAN INFORMATION

PROJECT NO. AGN-21002
FILENAME AGN21002-P2-01
CHECKED BY TEP
DRAWN BY RIF
SCALE N/A
DATE 10.13.2023

SHEET

**DOWNTOWN NORTH AT
KNIGHTDALE STATION
CONSTRUCTION DRAWINGS
N SMITHFIELD ROAD
KNIGHTDALE, NORTH CAROLINA**



REVISIONS

NO.	DATE
1	
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3	
4	
5	

PLAN INFORMATION

PROJECT NO. AGN-21002
FILENAME AGN21002-P2-01
CHECKED BY TEP
DRAWN BY RIF
SCALE N/A
DATE 10.13.2023

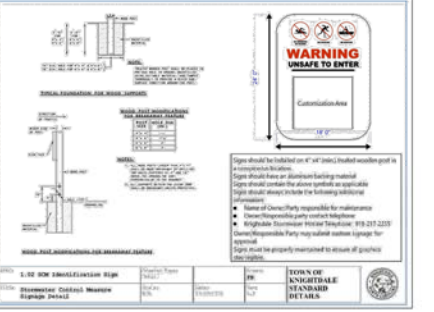
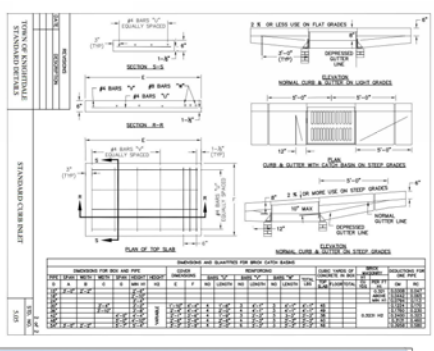
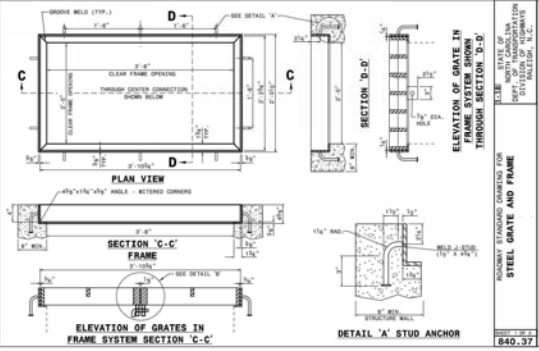
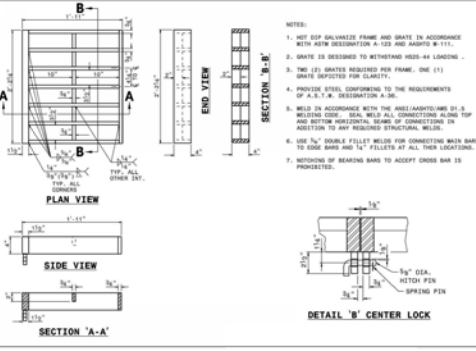
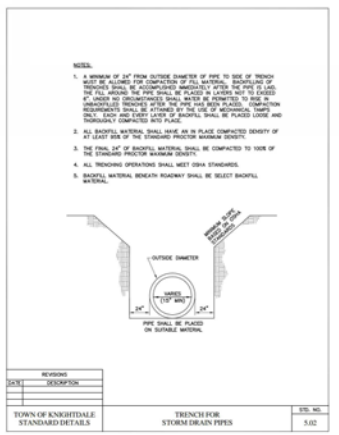
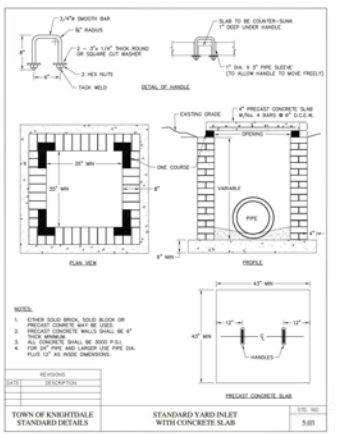
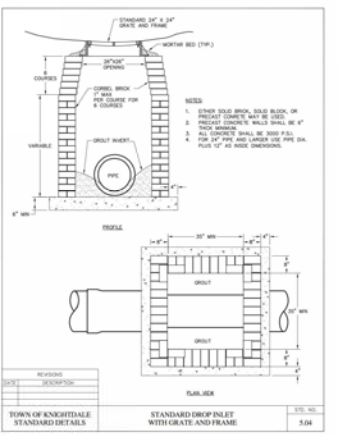
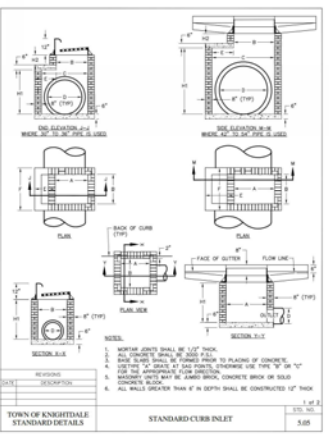
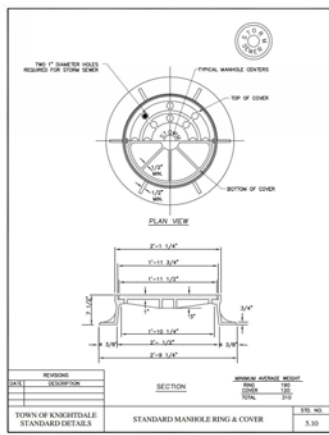
SHEET

STORM DETAILS

C8.22

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, NC.
Town Engineer _____ Date _____
These plans are approved by the Town of Knightdale and serve as construction plans for this project.
Administrator _____

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION





McADAMS

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CLIENT

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7208 FALLS OF NEUSE RD, SUITE 101
RALEIGH, NORTH CAROLINA 27615
JACOB ANDERSON
PHONE: 919.239.9485



DOWNTOWN NORTH AT
KNIGHTDALE STATION
CONSTRUCTION DRAWINGS
N SMITHFIELD ROAD
KNIGHTDALE, NORTH CAROLINA

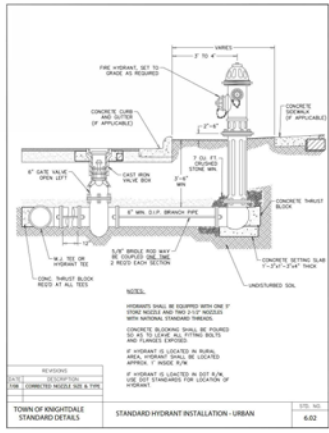


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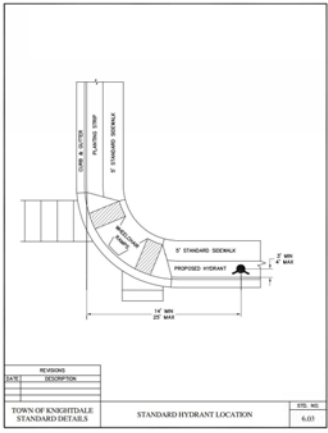


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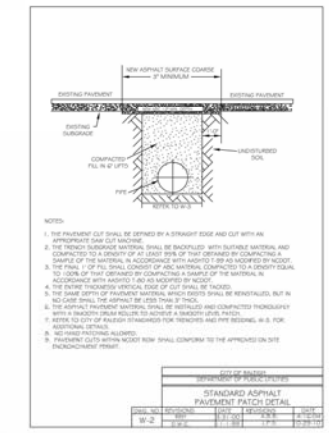


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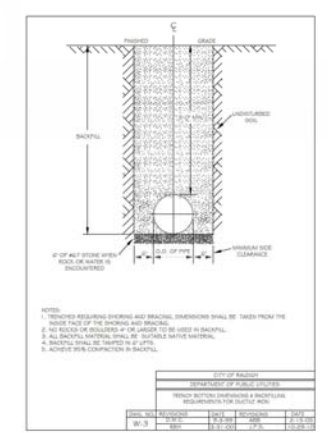


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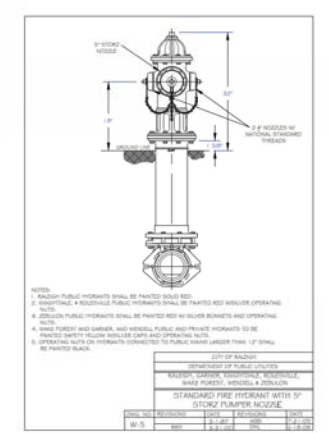


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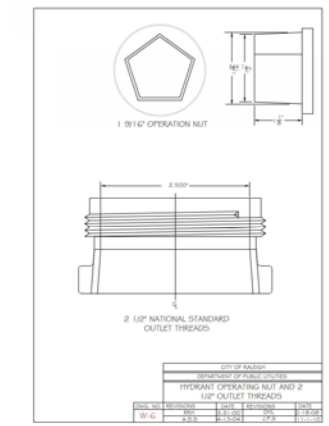


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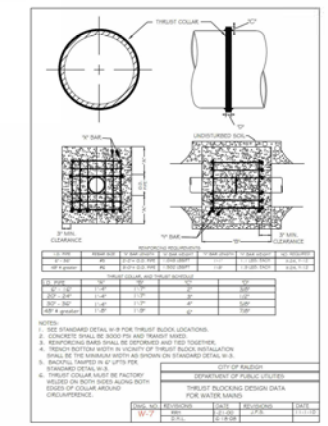


Table with 3 columns: REVISION, DATE, DESCRIPTION. Includes title block for TOWN OF KNIGHTDALE STANDARD DETAILS.

Reaction Restraint Areas for Horizontal Water Pipe Bends table with columns for pipe size, bend angle, and reaction forces.

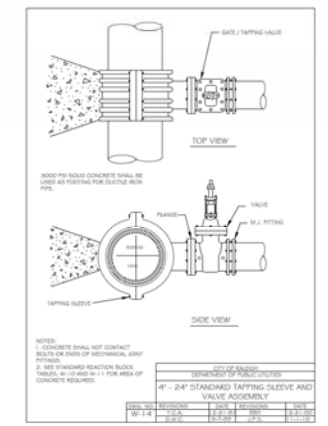


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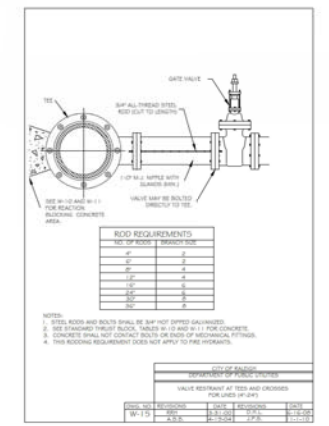


Table with 3 columns: REVISION, DATE, DESCRIPTION. Includes title block for TOWN OF KNIGHTDALE STANDARD DETAILS.

REVISIONS

Table with 2 columns: NO., DATE. Includes PLAN INFORMATION section with project details.

PLAN INFORMATION

PROJECT NO. AGN-21002
FILENAME AGN21002-P2-01
CHECKED BY TEP
DRAWN BY RIF
SCALE N/A
DATE 10.13.2023

SHEET

WATER DETAILS

C8.23

Public Water Distribution / Extension System
The City of Raleigh, in the exercise of its authority and subject to the requirements established in the Standard Specifications of the Town of Knightdale, NC, has approved this plan for construction.

Town Engineer
These plans are approved by the Town of Knightdale and serve as construction plans for this project.
By: Administrator Date: _____

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION



McADAMS

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Durham, NC 27713

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CLIENT

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RALEIGH, NORTH CAROLINA 27615
JACOB ANDERSON
PHONE: 919.239.9485



DOWNTOWN NORTH AT
KNIGHTDALE STATION
CONSTRUCTION DRAWINGS
N SMITHFIELD ROAD
KNIGHTDALE, NORTH CAROLINA



REVISIONS

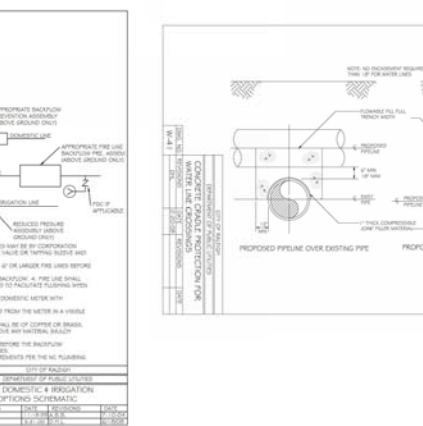
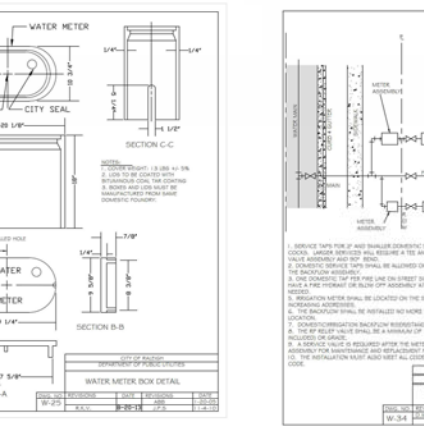
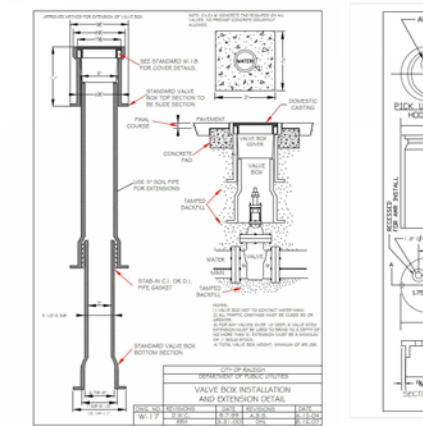
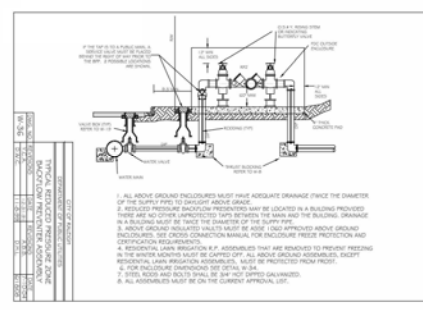
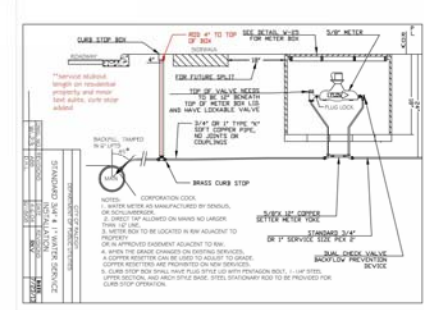
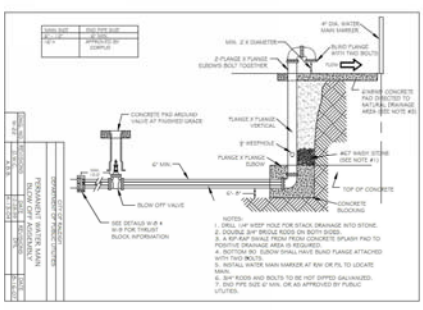
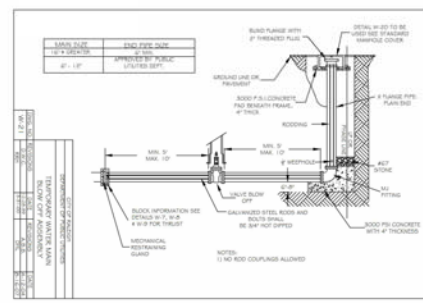
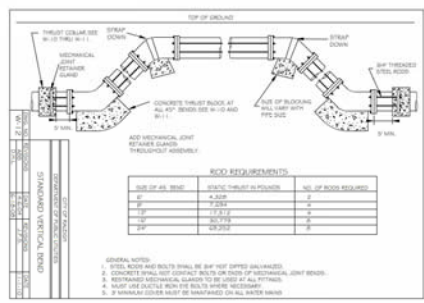
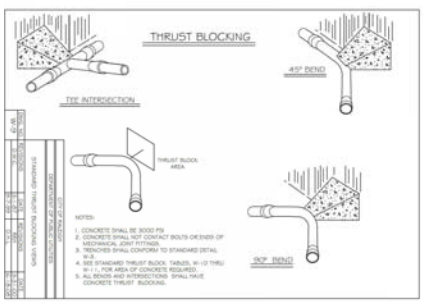
NO.	DATE
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PROJECT NO.: AGN-21002
 FILENAME: AGN21002-P2-01
 CHECKED BY: TEP
 DRAWN BY: RIF
 SCALE: N/A
 DATE: 10.13.2023

PLAN INFORMATION

WATER DETAILS

C8.24



Public
 Water Distribution / Extension System
 The City of Knightdale is the owner of the water and sewer utility system in the City of Knightdale. The City of Knightdale is the owner of the water and sewer utility system in the City of Knightdale. The City of Knightdale is the owner of the water and sewer utility system in the City of Knightdale.

Final 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, NC.

Town Engineer
 These plans are approved by the Town of Knightdale and serve as construction plans for this project.
 By: _____ Date: _____
 Administrator

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION



McADAMS

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DOWNTOWN NORTH AT
KNIGHTDALE STATION
CONSTRUCTION DRAWINGS
N SMITHFIELD ROAD
KNIGHTDALE, NORTH CAROLINA



REVISIONS

Table with 2 columns: NO. and DATE. Contains 5 empty rows for revisions.

PLAN INFORMATION

PROJECT NO. AGN-21002
FILENAME AGN21002-P2-01
CHECKED BY TEP
DRAWN BY RIF
SCALE N/A
DATE 10.13.2023

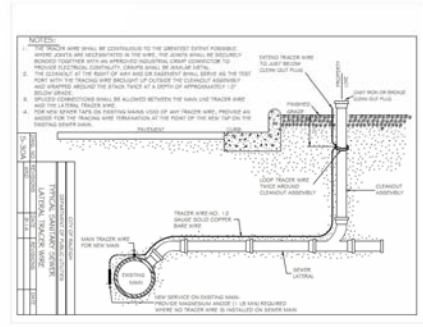
SHEET

SANITARY SEWER
DETAILS
C8.26

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, NC.
Town Engineer: _____ Date: _____
Administrator: _____

Public
Sewer Collection / Extension System
The City of Knightdale is the recipient and proprietor of the City of Knightdale's Sewer System. It is the responsibility of the City of Knightdale to maintain the City of Knightdale's Sewer System.
This is a Standard Specification for the City of Knightdale.
Approved by: _____
Administrator: _____

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION



ROD REQUIREMENTS table with columns: SIZE OF 45 BEND, STATIC CHARGE IN POUNDS, NO. OF RODS REQUIRED.

- GENERAL NOTES: 1. STEEL RODS AND BOLTS SHALL BE SIF HOT DIPPED GALVANIZED. 2. CONCRETE SHALL BE COMPACTED TO THE FULL DEPTH OF ALL FITTINGS. 3. REINFORCED MECHANICAL JOINTS TO BE USED AT ALL FITTINGS. 4. HOIST USE DUCTILE IRON RODS WHEN NECESSARY. 5. ALL FITTING IN VERTICAL BENDS MUST BE DUCTILE IRON. 6. FITTINGS SHALL BE DUCTILE IRON A MINIMUM OF ONE JOINT IN EACH DIRECTION. 7. IF WINDRAY COVER MUST BE MAINTAINED ON ALL FORCE MAINS.

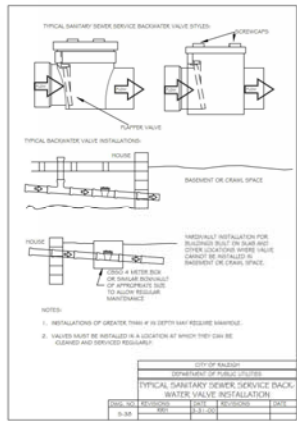
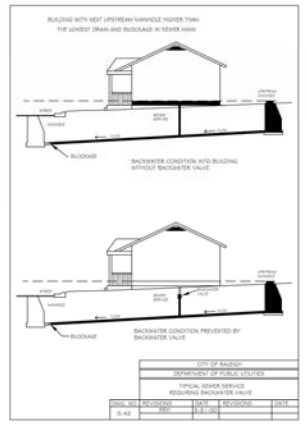
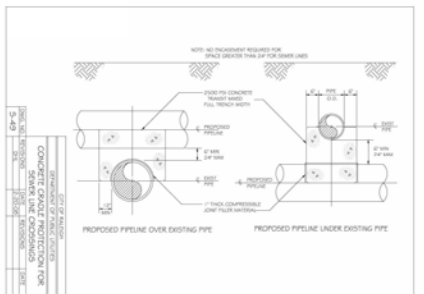
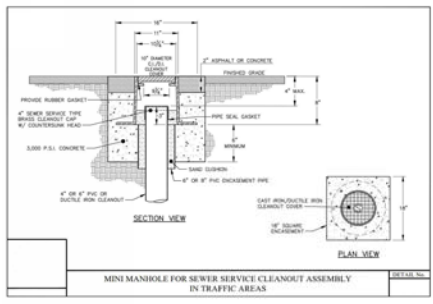
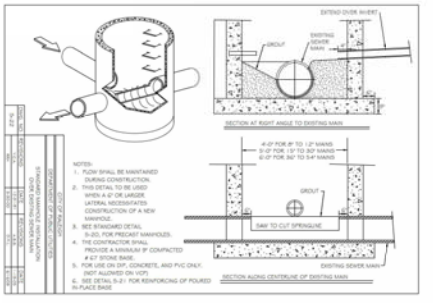
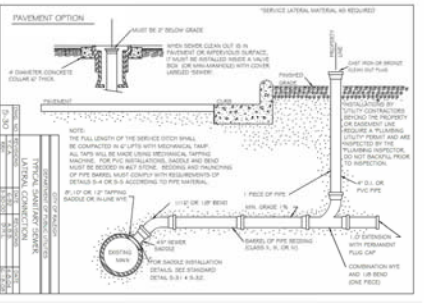
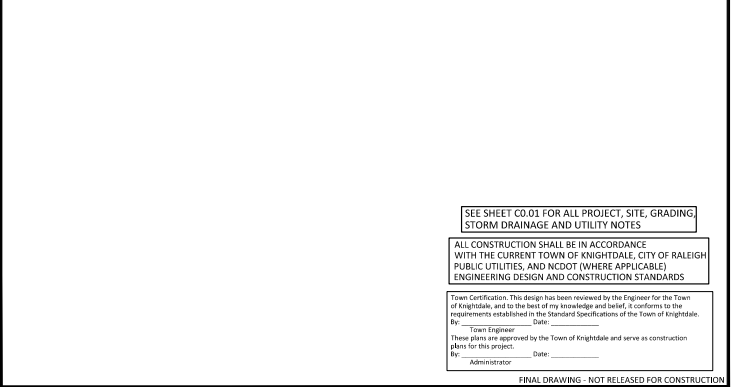
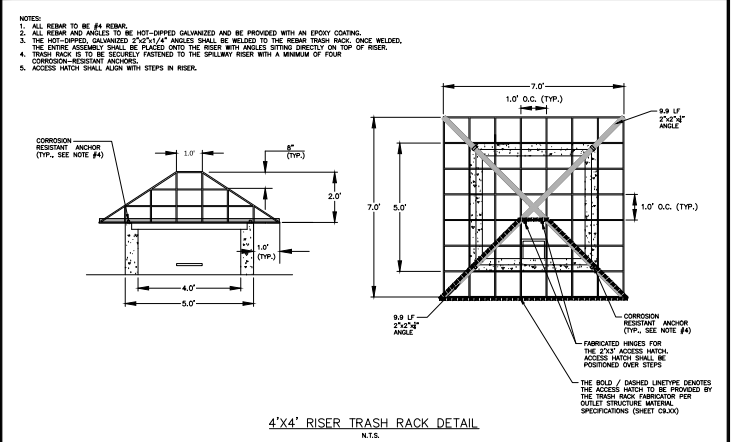
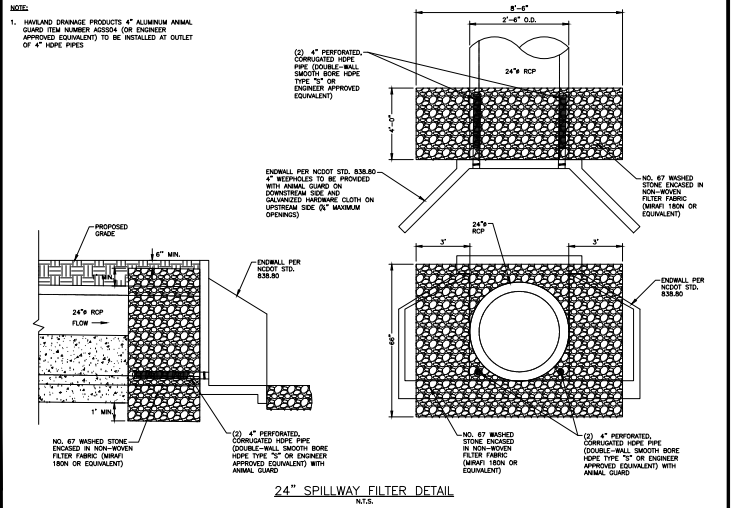
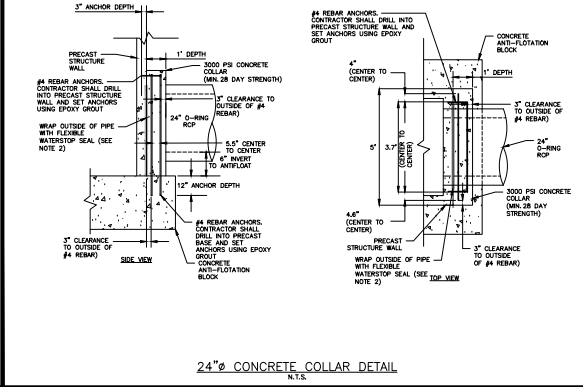
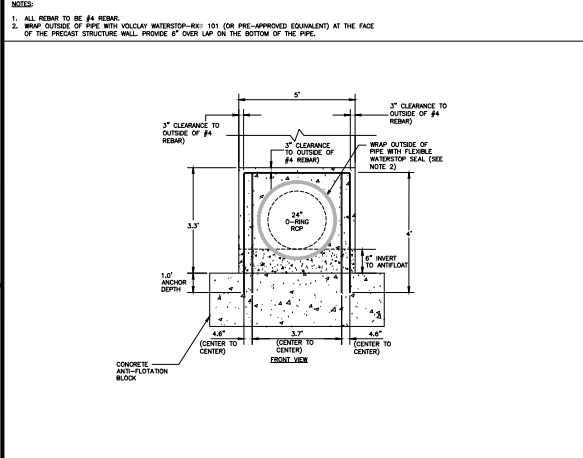
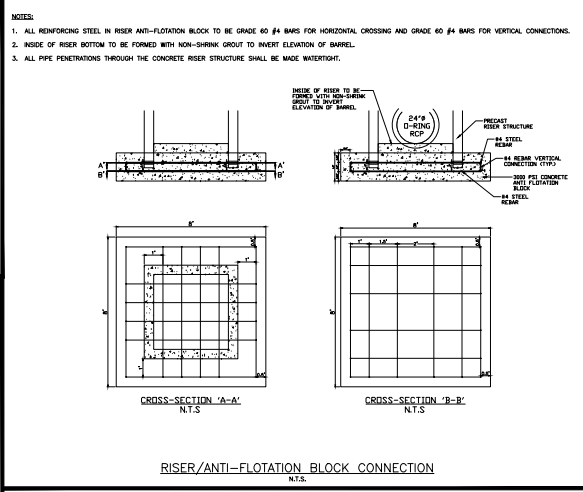
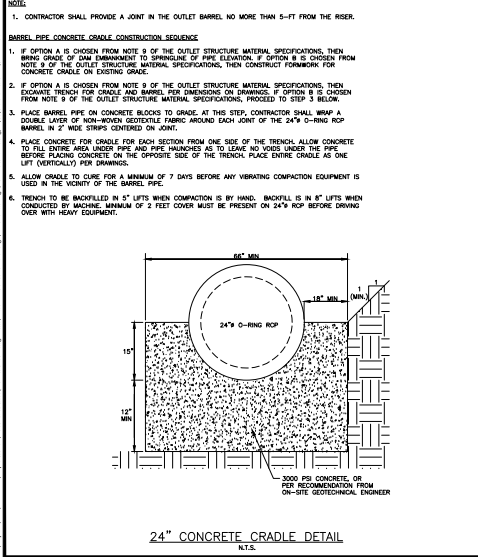
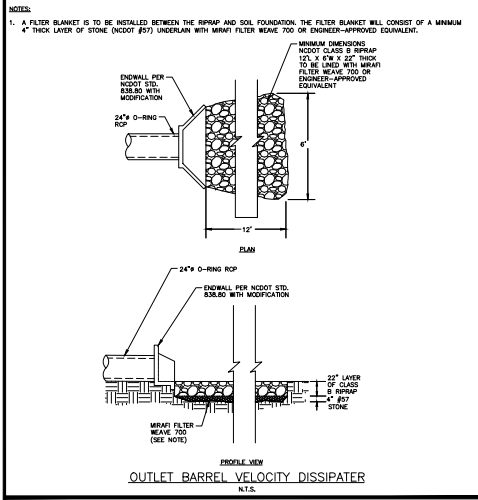
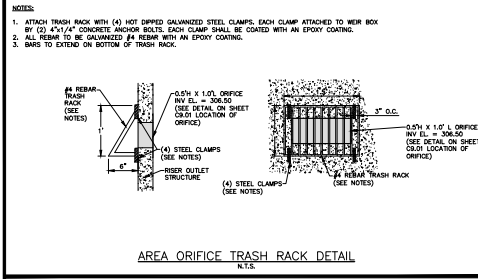


Table with 4 columns: TYPE, DATE, REVISION, BY.

Table with 4 columns: TYPE, DATE, REVISION, BY.

\\p01m16016\0203100716\production\mcaadams\james\Drawings\Sanitary Sewer Collection\AGN21002-P2-01.dwg, 10/13/2023 5:42:18 PM, JRM



McADAMS
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JACOB ANDERSON
PHONE: 919.239.9486



DOWNTOWN NORTH AT KNIGHTDALE STATION
CONSTRUCTION DRAWINGS - PHASE 2
N SMITHFIELD ROAD
KNIGHTDALE, NORTH CAROLINA



REVISIONS

NO.	DATE
1	
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PLAN INFORMATION

PROJECT NO. AGN-21002
FILENAME: AGN21002-SW2
CHECKED BY: KEG
DRAWN BY: SDD/EMB
SCALE: NTS
DATE: 10-13-2023

SHEET

SCM "B" DETAILS
C9.02

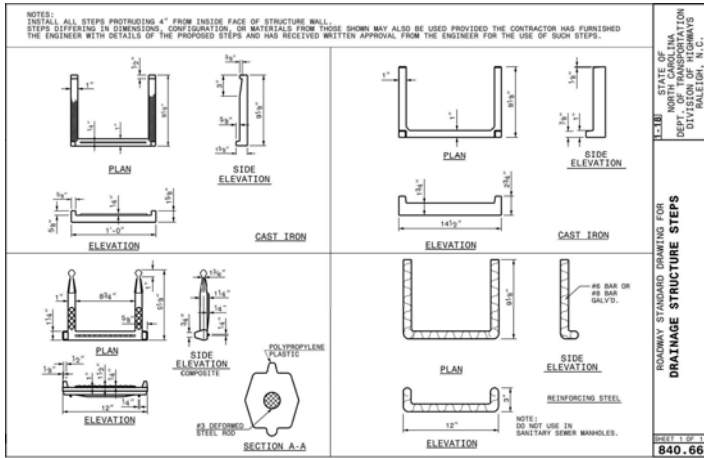
SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES.

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

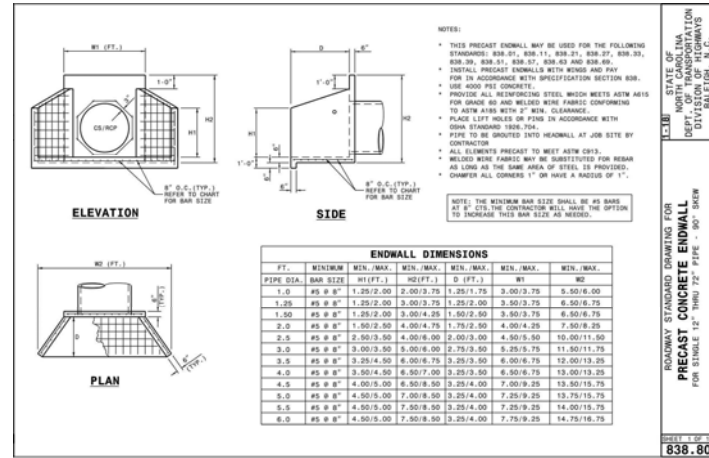


STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY STANDARD DRAWING FOR
DRAINAGE STRUCTURE STEPS

SCALE: 1" = 6"

840.66

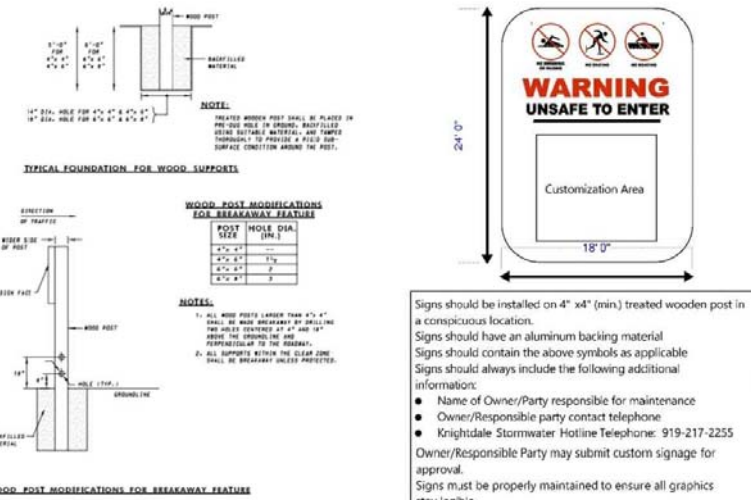


STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY STANDARD DRAWING FOR
PRECAST CONCRETE ENDWALL
FOR SINGLE 12" THRU 72" PIPE - 90° SHEAR

SCALE: 1" = 6"

838.80



PROJECT:	1.02 SCM Identification Sign	Traffic Type:	PB	DATE:	11-23-2020
TITLE:	Stormwater Control Measure Signage Detail	SCALE:	N/A	PROJECT:	TOWN OF KNIGHTSDALE STANDARD DETAILS



SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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Date: _____

Administrator

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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DOWNTOWN NORTH AT KNIGHTSDALE STATION CONSTRUCTION DRAWINGS - PHASE 2

N SMITHFIELD ROAD
KNIGHTSDALE, NORTH CAROLINA



REVISIONS

NO.	DATE
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PLAN INFORMATION

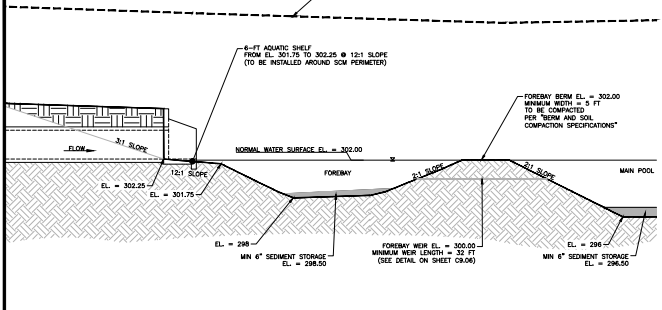
PROJECT NO.: AGN-21002
FILENAME: AGN21002-SW2
CHECKED BY: KEG
DRAWN BY: SDD
SCALE: N.T.S.
DATE: 10.13.2023

SCM "B" DETAILS

C9.03

NOTES

1. REMOVED TOPSOIL SHALL BE STOCKPILED FOR USE IN PLANTING (SECOND) THE DAM EMBANKMENT ONCE FINAL GRADES (AS SHOWN ON THE GRADING PLANS) HAVE BEEN ESTABLISHED WITH COMPACTED FILL. PRIOR TO TOPSOIL INSTALLATION, THE CONTRACTOR SHALL SCAFFY THE TOP 2" TO 3 INCHES OF THE BERM SECTION TO PROMOTE BONDING OF THE TOPSOIL WITH THE COMPACTED FILL. THE TOPSOIL DEPTH SHALL RANGE FROM 3" TO 4 INCHES ON THE DAM EMBANKMENT.

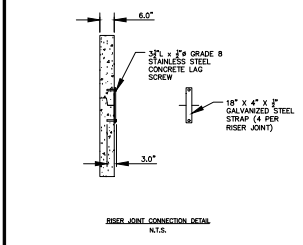


PERMANENT DAM CROSS SECTION
N.T.S.

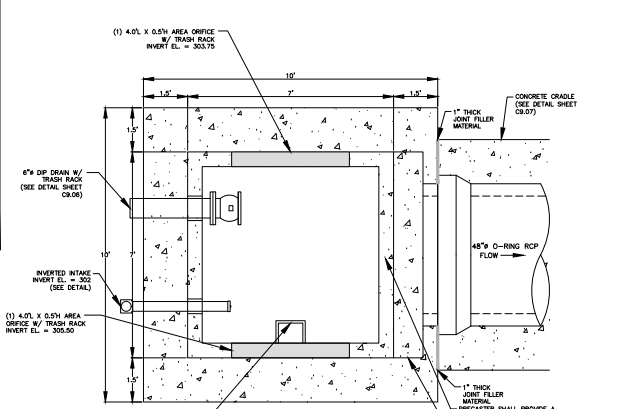
TOP OF DAM EL. = 309.00
100-YR STORM EL. = 308.18
10-YR STORM EL. = 302.41
2-YR STORM EL. = 304.04
1-YR STORM EL. = 304.25
NORMAL WATER SURFACE EL. = 302.00
48" O-RING RCP INVERT EL. = 301.50

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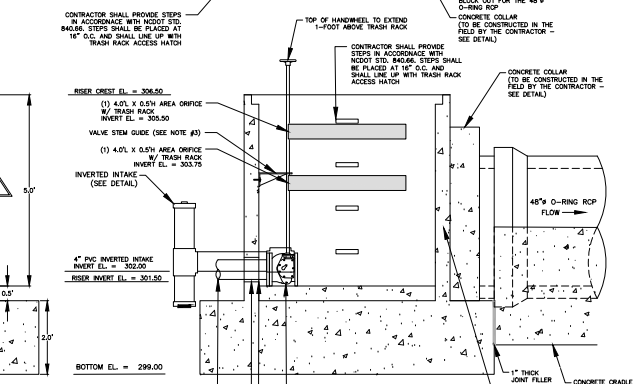
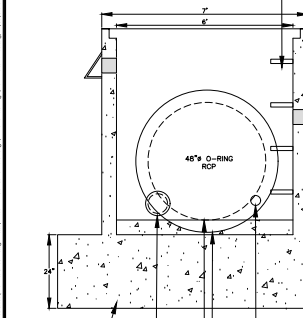
CLIENT
ALLIANCE GROUP OF NC, LLC
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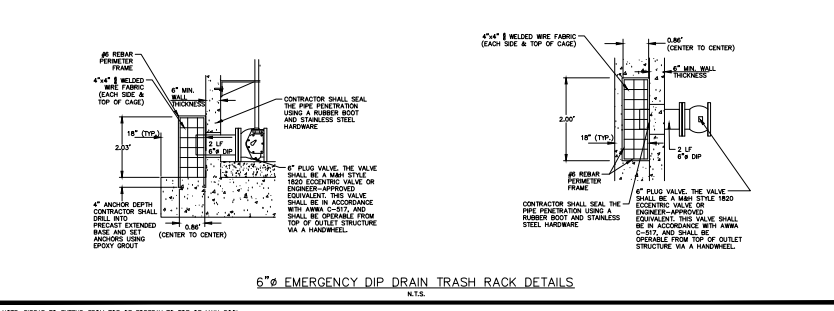
- NOTES
1. CONCRETE ANTI-FLOATATION BLOCK TO BE PROVIDED WITH MINIMUM TEMPERATURE AND SHrinkAGE STEEL REINFORCEMENT.
 2. TRASH RACKS NOT SHOWN FOR CLARITY.
 3. THE NUMBER OF GUIDES FOR THE VALVE STEM SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR. THE VALVE STEM MUST BE OPERABLE FROM THE TOP OF THE RISER VIA THE HANDWHEEL WITH AN INSIGNIFICANT AMOUNT OF PLAY IN THE VALVE STEM.
 4. CONTRACTOR SHALL PROVIDE A JOINT IN THE OUTLET BARREL NO MORE THAN 5-FT FROM THE RISER.



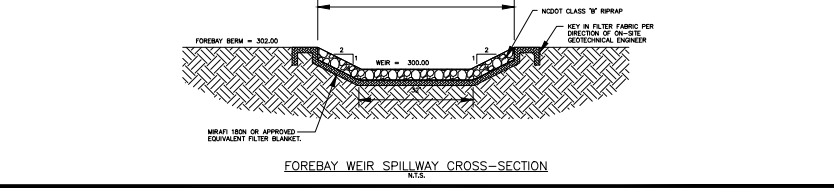
CONTRACTOR SHALL PROVIDE STEPS IN ACCORDANCE WITH NCDOT STD. 840.95. STEPS SHALL BE PLACED AT 18" O.C. AND SHALL LINE UP WITH TRASH RACK ACCESS HATCH



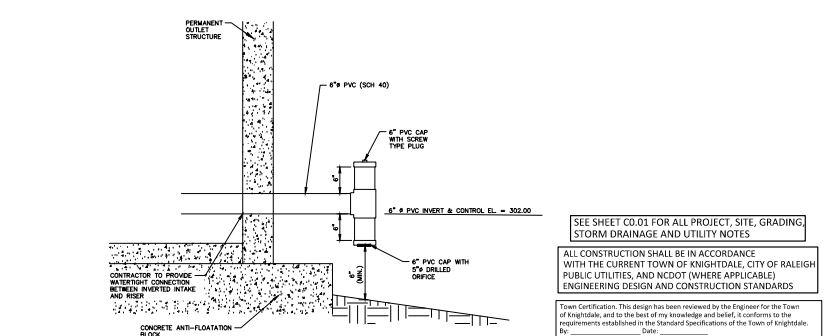
PERMANENT OUTLET STRUCTURE DETAILS
N.T.S.



6" EMERGENCY DIP DRAIN TRASH RACK DETAILS
N.T.S.



FOREBAY WEIR SPILLWAY CROSS-SECTION
N.T.S.



INVERTED INTAKE DETAIL (RISER)
N.T.S.

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FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

DOWNTOWN NORTH AT KNIGHTDALE STATION
CONSTRUCTION DRAWINGS - PHASE 2
N SMITHFIELD ROAD
KNIGHTDALE, NORTH CAROLINA



REVISIONS

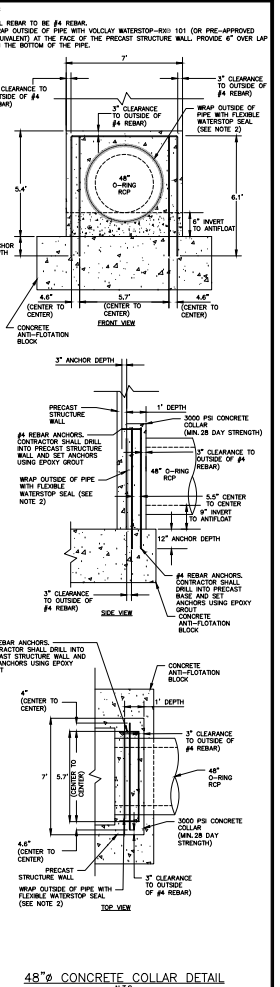
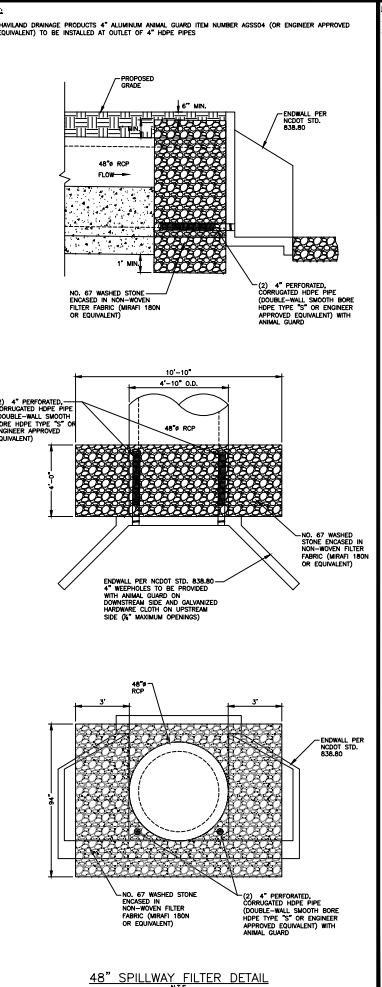
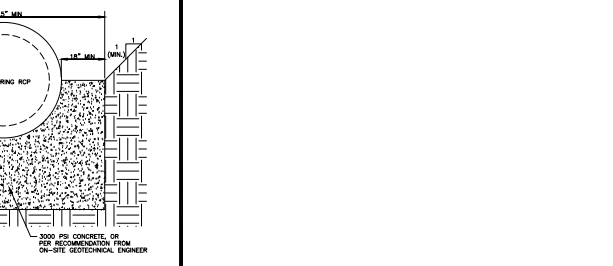
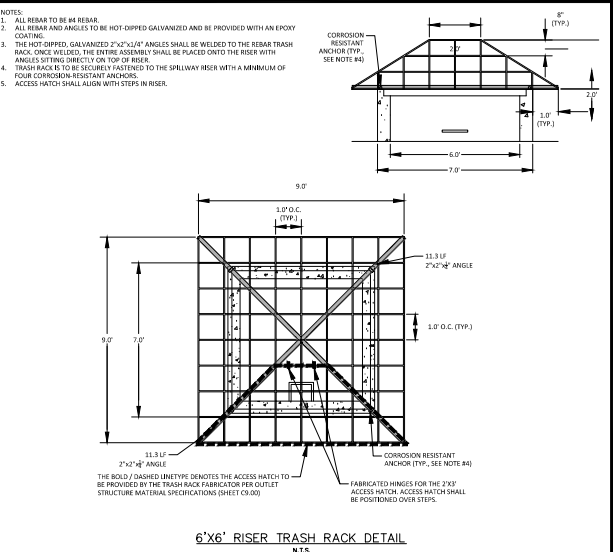
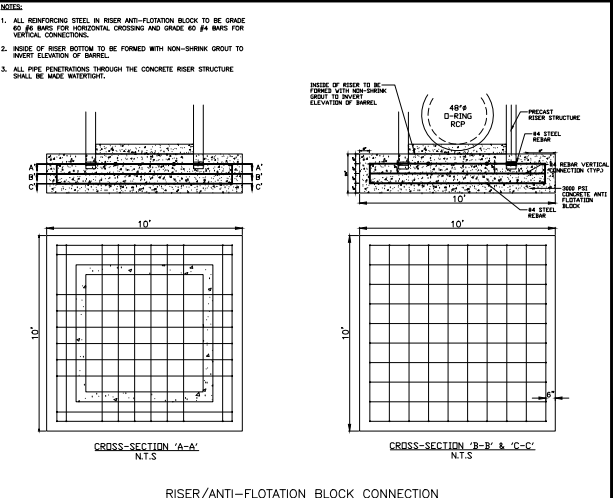
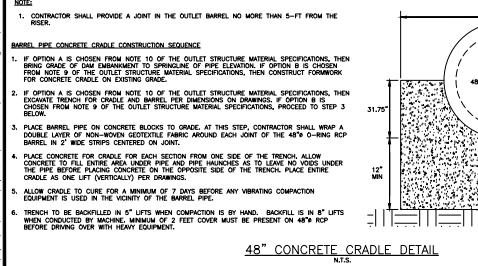
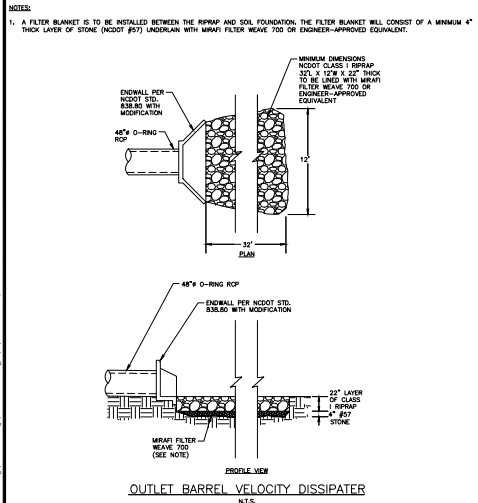
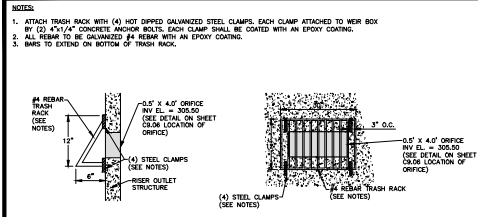
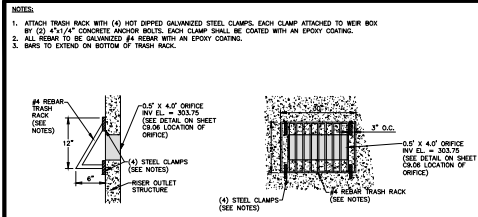
NO.	DATE
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PLAN INFORMATION

PROJECT NO. AGN-21002
FILENAME: AGN21002-SW3
CHECKED BY: KEG
DRAWN BY: SDD/EMB
SCALE: NTS
DATE: 10.13.2023

SHEET

SCM "C" DETAILS
C9.06



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RALEIGH, NORTH CAROLINA 27615
JACOB ANDERSON
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DOWNTOWN NORTH AT KNIGHTDALE STATION
CONSTRUCTION DRAWINGS - PHASE 2
N SMITHFIELD ROAD
KNIGHTDALE, NORTH CAROLINA



REVISIONS

NO.	DATE	DESCRIPTION
1		
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PLAN INFORMATION

PROJECT NO.	AGN-11002
FILENAME	AGN21002-SWS3
CHECKED BY	KEG
DRAWN BY	SDD/EMB
SCALE	N.T.S.
DATE	10-13-2023

SCALE
SCALE: N.T.S.
DATE: 10-13-2023

SCALE
SCALE: N.T.S.
DATE: 10-13-2023

SCALE
SCALE: N.T.S.
DATE: 10-13-2023

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SCALE
SCALE: N.T.S.
DATE: 10-13-2023

SCALE
SCALE: N.T.S.
DATE: 10-13-2023

SCALE
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SCALE
SCALE: N.T.S.
DATE: 10-13-2023

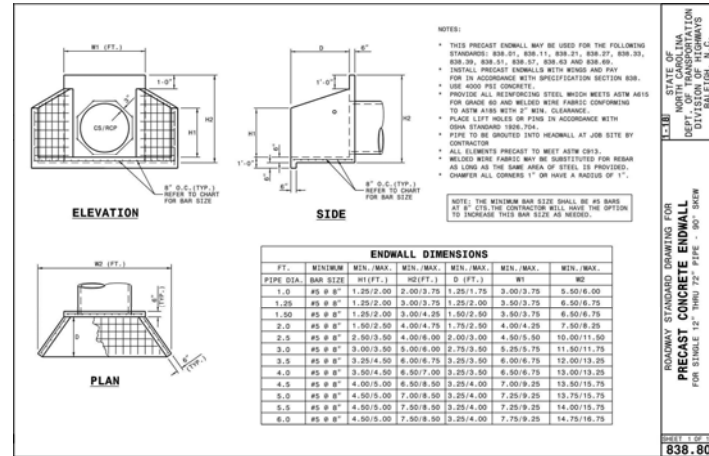
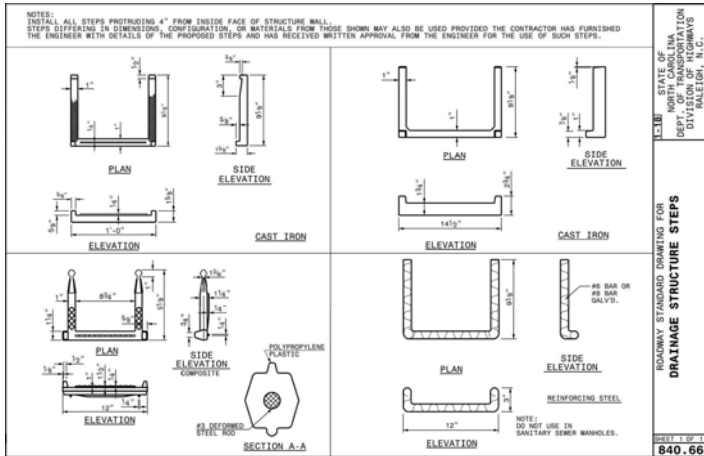
SCALE
SCALE: N.T.S.
DATE: 10-13-2023

SCALE
SCALE: N.T.S.
DATE: 10-13-2023

SCALE
SCALE: N.T.S.
DATE: 10-13-2023

SCALE
SCALE: N.T.S.
DATE: 10-13-2023

PROJECT: D:\Projects\2023\AGN-11002\Drawings\AGN21002-SWS3.dwg
 DATE: 10/13/2023 10:13:23 AM
 USER: JACOB.ANDERSON
 PLOT: 10/13/2023 10:13:23 AM
 PLOTTER: HP DesignJet T1100PS



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**DOWNTOWN NORTH AT
KNIGHTDALE STATION
CONSTRUCTION DRAWINGS - PHASE 2**
N SMITHFIELD ROAD
KNIGHTDALE, NORTH CAROLINA



REVISIONS

NO.	DATE
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PLAN INFORMATION

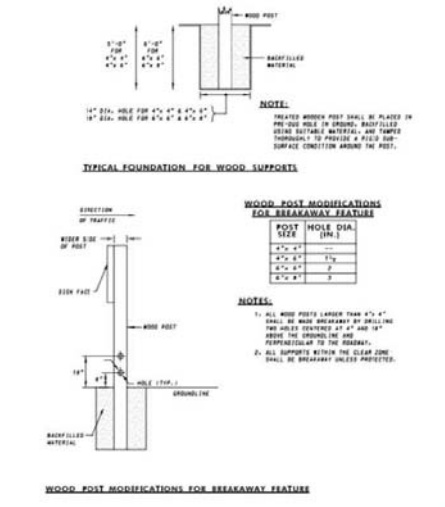
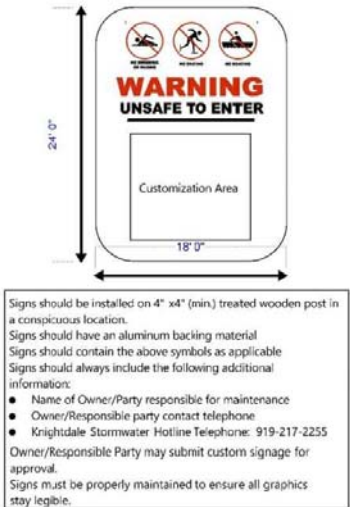
PROJECT NO. AGN-21002
FILENAME AGN21002-SW3
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PROJECT: 1.02 SCM Identification Sign	Drawing Type: Detail	Drawn by: PB	TOWN OF KNIGHTDALE STANDARD DETAILS
VICIN: Stormwater Control Measure Signage Detail	SCM #: N/A	Sheet: 11-23-0270	1 of 1



SCM "C" DETAILS
C9.08

GROUND COVERS	CODE	QTY	COMMON NAME	BOTANICAL NAME	CONT	SPACING
	ASM	319	Swamp Milkweed	Asclepias incarnata	4" pot	24" oc.
	CTS	245	Quill Sedge	Carex tenera	4" pot	24" oc.
	LCF	303	Cardinal Flower	Lobelia cardinalis	4" pot	24" oc.
	LEL	494	Longleaf Lobelia	Lobelia elongata	4" pot	24" oc.
	RWS	286	White-topped Sedge	Rhynchospora colorata	4" pot	24" oc.
	STS	324	Softstem Bulrush	Scheuchzeria palustris	4" pot	24" oc.

NOTE: SEED EMBANKMENTS PER PERMANENT SEEDING SCHEDULE BELOW.

SEEDBED PREPARATION

- CHISEL COMPACTED AREAS AND SPREAD TOPSOIL: 3-4 INCHES DEEP OVER ADVERSE SOIL CONDITIONS. TOPSOIL SHOULD BE INCORPORATED INTO THE FINAL GRADING OF THE BASIN SIDE SLOPES AND AQUATIC SHELF. CONTRACTOR SHOULD SCRAPE THE TOP 3-4 INCHES OF THE COMPACTED FILL TO PROMOTE BONDING WITH TOPSOIL.
- RIP THE ENTIRE AREA TO 6 INCHES DEPTH.
- REMOVE ALL LOOSE ROOTS, ROCKS, AND OTHER OBSTRUCTIONS LEAVING SURFACE REASONABLY SMOOTH AND UNIFORM.
- PER ONE TIME ONLY, APPLY AGRICULTURAL LIME, FERTILIZER, AND SUPERPHOSPHATE UNIFORMLY AND MIX WITH SOIL.
- CONTINUE TILLAGE UNTIL A WELL-PULVERIZED, FIRM REASONABLY UNIFORM SEEDBED IS PREPARED 4 TO 6 INCHES DEEP.
- SEED ON A FRESHLY PREPARED SEEDBED AND COVER.
- MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH.
- INSPECT ALL SEEDBED AREAS AND MAKE NECESSARY REPAIRS OR RESEEDINGS WITHIN THE PLANTING SEASON, IF POSSIBLE. AFTER PERMANENT COVER IS ESTABLISHED.
- CONSULT CONSERVATION INSPECTOR ON MAINTENANCE TREATMENT.

TEMPORARY SEEDING SCHEDULE

SEEDING DATE	SEEDING MIXTURE	APPLICATION RATE
JAN 1 - MAY 1	PYE (60:40)	120 LBS/AC
MAY 1 - AUG 15	KOBE LSP/PDZA	50 LBS/AC
AUG 15 - DEC 31	PYE (60:40)	120 LBS/AC

SOIL AMENDMENTS
FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 LB/AC GROUND AGRICULTURE LIMESTONE AND 750 LB/AC 10-10-10 FERTILIZER (FROM AUG 15 - DEC 15, INCREASE 10-10-10 FERTILIZER TO 1,000 LB/AC).

MULCH
APPLY 4,000 LB/AC STRAW. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE
JAN 1 - AUG 15: FERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, FERTILIZE, AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

AUG 15 - DEC 31: REPAIR AND RESEED DAMAGED AREAS IMMEDIATELY. TOP DRESS WITH 50 LB/AC OF NITROGEN IN MARCH. IF IT IS NECESSARY TO EXTEND TEMPORARY COVER BEYOND JUNE 15, OVERSEED WITH 50 LB/AC KOBE LSP/PDZA IN LATE FEBRUARY OR EARLY MARCH.

NOTE: USE THE TEMPORARY SEEDING SCHEDULE ONLY WHEN DATE IS NOT CORRECT TO USE THE PERMANENT SEEDING SCHEDULE.

PERMANENT SEEDING SCHEDULE (DAM EMBANKMENTS)

SEEDING DATE	SEEDING MIXTURE OPTIONS (CHOOSE ONE)	APPLICATION RATE
MARCH 1 - JUNE 31	HYBRID BERMOUDA GRASS	1 LB/1,000 SF (OR MANUFACTURER SPECIFICATIONS)
SEPT 1 - OCT 31		1 LB/1,000 SF (OR MANUFACTURER SPECIFICATIONS)

SOIL AMENDMENTS
FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 4,000 LB/AC GROUND AGRICULTURE LIMESTONE AND 1,000 LB/AC 10-10-10 FERTILIZER.

MULCH
APPLY 4,000 LB/AC STRAW. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE
INSPECT AND REPAIR MULCH FREQUENTLY. REFER FERTILIZER IN LATE WINTER OF THE FOLLOWING YEAR. USE SOIL TESTS OR APPLY 150 LB/AC 10-10-10 FERTILIZER. MOW REGULARLY TO A HEIGHT OF 2-4 INCHES.

NOTE: PERMANENT SEEDING SCHEDULE IS FOR SLOPES OF THE BASIN AND TOP OF BERM. SEE REQUIRED TOWN OF KNIGHTDALE SCM BASIN REMOVAL SEQUENCE NOTE 13 ON SHEET C9.00 FOR PERMANENT SEEDING CONSTRUCTION SEQUENCE.

PERMANENT SEEDING AREA

PLANTING INSTRUCTIONS

PLANTING TECHNIQUE
A. THROUGH TOP ROOTS, ONCE REMOVED FROM POT, ARE STRAIGHTENED AND FACE DOWNWARD.
B. CREATE PLANTING AREA FOR EACH PLANT AND DECAVATE PIT.
C. PLACE PLANTS IN PIT, ENSURING ROOTS ARE FACING COMPLETELY DOWNWARD.
D. HELL IN SOIL AROUND PLANT AND PROCEED TO NEXT PLANTING LOCATION.
E. NEWLY PLANTED PLANTS NEED TO BE WATERED TO THE SUBSTRATE FOR THE ESTABLISHMENT OF NEW ROOTS.
F. ROOTS SHALL BE SPREAD IN THEIR NORMAL POSITION. ALL BROKEN OR FRAYED ROOTS SHALL BE CUT OFF CLEAN.
G. THE DIAMETER OF THE PITS FOR ALL VEGETATIVE STOCK SHALL BE AT LEAST THREE TIMES THE DIAMETER OF THE ROOT MASS. PLANT PIT WALL SHALL BE SCAVED PRIOR TO PLANT INSTALLATION.
H. SET THE PLANTS UPRIGHT, IN THE CENTER OF THE PIT. THE BOTTOM OF THE ROOT MASS SHOULD BE RESTING ON UNDISTURBED SOIL.
I. PLACE THE BAGGELS AROUND THE BASE AND SIDES OF THE ROOT MASS, AND WORK EACH LAYER TO SETtle BAGGELS AND TO ELIMINATE VOIDS AND AIR Pockets. WHEN PIT IS APPROXIMATELY 2/3 FULL, WATER THOROUGHLY. BEFORE FINISH REMOVAL OF THE BAGGELL, WATER AGAIN AFTER PLACING FINAL LAYER OF BAGGELL.
J. BROKEN OR DAMAGED PARTS WILL BE CUT BACK TO UNDamAGED TISSUE, LEAVING AS MUCH GREEN BAGGELL TISSUE AS POSSIBLE ABOVE THE ROOTS. IF MORE THAN FIFTY PERCENT (50%) OF THE PLANT IS DAMAGED THEN CONTRACTOR SHALL CUT THE PLANT.

CONTAINER STOCK / BARE ROOT
A. STOCK SHOULD BE SET BROWN IN A CONTAINER, LONG ENOUGH FOR THE ROOT SYSTEM TO HAVE DEVELOPED SUFFICIENTLY TO HOLD ITS SOIL TOGETHER ONCE REMOVED FROM THE CONTAINER.
B. CONTAINER PLANTS WILL NEED TO BE WATERED REGULARLY AND PLACED IN SHADY CONDITIONS UNTIL PLANTING OCCURS.
C. BARE ROOT PLANTS ARE FOR IMMEDIATE PLANTING, OTHERWISE SEE (I) BELOW.
D. IF BARE ROOT SPECIMENS ARE NOT TO BE PLANTED WITHIN FOUR (4) DAYS, TEMPORARY HOLDING OR BARE ROOT SPECIMENS ARE TO BE COVERED ENTIRELY BY A SUITABLE MEDIUM (ETC. SOIL, SAWDUST, MULCH OR THE LIKE) AND WATERED REGULARLY SO AS TO NOT DRY OUT.

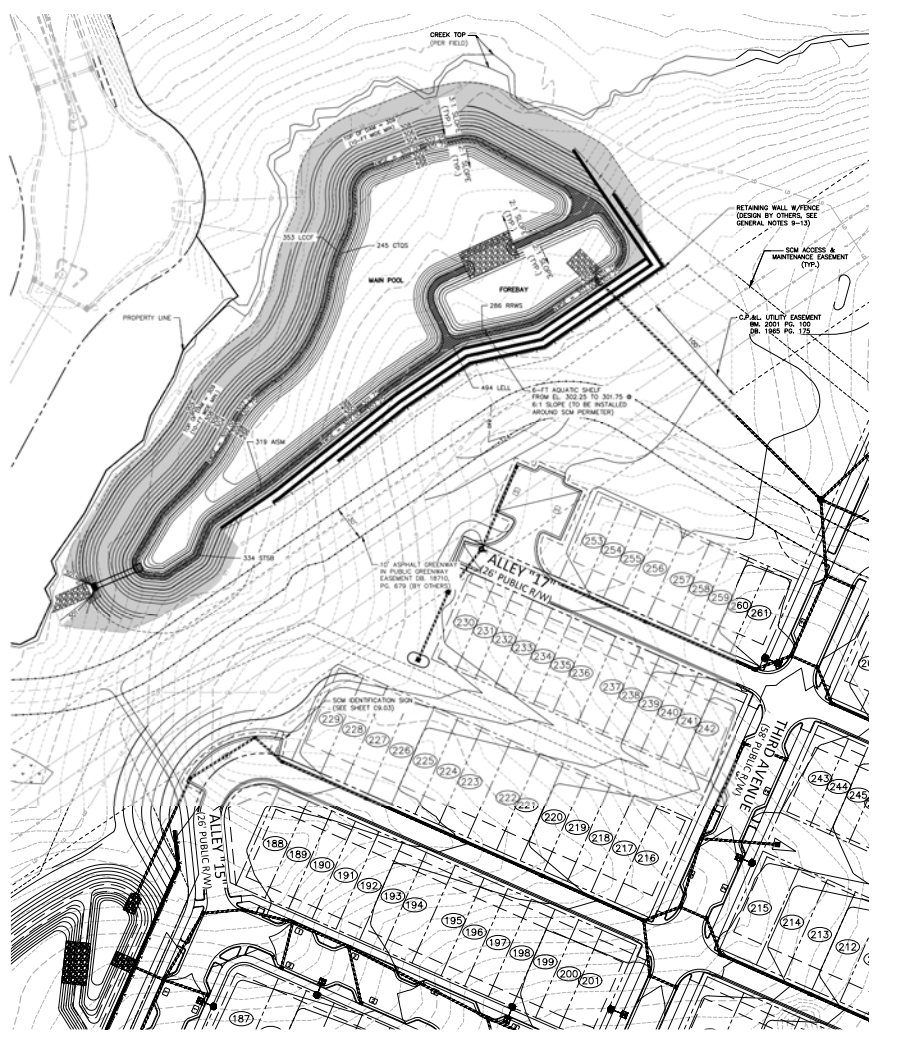
PLANT LOCATIONS
A. NEW PLANTINGS SHALL BE LOCATED WHERE SHOWN ON PLAN EXCEPT WHERE CHANGES HAVE BEEN MADE IN PROPOSED CONSTRUCTION.
B. NECESSARY ADJUSTMENTS SHALL BE MADE ONLY AFTER APPROVAL BY THE OWNER OR THE OWNER'S REPRESENTATIVE.
C. WATER SHALL BE POTABLE AND SHALL NOT CONTAIN ELEMENTS TOXIC TO PLANT LIFE.

PLANTING SCHEDULE

- ONCE THE GRADING IS COMPLETE, THE CONTRACTOR SHALL REQUEST AN ON-SITE INSPECTION AND AN AS-BUILT SURVEY PRIOR TO INSTALLATION OF THE STORMWATER MANAGEMENT FACILITY PLANTS. IF THE CONTRACTOR PLANTS THE PROPOSED VEGETATION PRIOR TO AN AS-BUILT SURVEY (AND SUBSEQUENT APPROVAL) ANY CHANGES TO THE GRADING / RE-PLANTING OF PLANTS WILL BE AT THE CONTRACTOR'S EXPENSE.
- ONCE THE ENGINEER HAS APPROVED THE AS-BUILT GRADING, THE CONTRACTOR SHALL PLANT THE PROPOSED STORMWATER MANAGEMENT FACILITY PLANTS SHOWN ON THE LANDSCAPE PLAN FOR THE FACILITY. AFTER COMPLETION OF THE PLANTING, THE CONTRACTOR SHALL PROVIDE A LETTER TO THE ENGINEER CERTIFYING THAT THE PLANTS HAVE BEEN INSTALLED PER THE APPROVED STORMWATER MANAGEMENT FACILITY PLANTING PLAN. SOIL CERTIFICATION REQUIRED FOR NON-CLUMPING TURF GRASS PRIOR TO FINAL CERTIFICATION.
- OPTIMAL PLANTING PERIODS RANGE APPROXIMATELY FROM APRIL 15th THROUGH JUNE 30th AND SEPTEMBER 1st THROUGH OCTOBER 31st. FOR FINAL DETERMINATION OF THE SITE'S PLANTING PERIOD, THE CONTRACTOR SHALL COORDINATE WITH A LANDSCAPE PROFESSIONAL REGARDING SCHEDULING FOR PLANT INSTALLATION.
- IT IS RECOMMENDED THAT THE CONTRACTOR TAKE MEASURES TO PREVENT WILDLIFE FROM DAMAGING OR CONSUMING WETLAND PLANTINGS.

TOWN OF KNIGHTDALE SCM PLANTING NOTES

- THE DAM STRUCTURE, INCLUDING FRONT AND BACK EMBANKMENT SLOPES, OF THE POND SHALL BE VEGETATED WITH NON-CLUMPING TURF GRASS OR SOO. (CENTER) HYBRID BERMOUDA (NON-GERMINATION OR NON-CLUMPING TURF) WILL BE REQUIRED PRIOR TO FINAL CERTIFICATION FROM THE TOWN.
- THE VEGETATED SHELF SHALL BE PLANTED WITH A MINIMUM OF THREE DIFFERENT SPECIES OF HERBACEOUS, NATIVE VEGETATION AT A MINIMUM DENSITY OF 50 PLANTS PER 200 FEET OF SHELF AREA.
- CONTRACTOR TO WORK WITH SOILS SCIENTIST TO ENSURE SOILS ARE ADEQUATE TO SUPPORT PROPER ESTABLISHMENT AND GROWTH OF THE AQUATIC PLANTINGS. CONTRACTOR TO ATTEMPT SOILS AND INITIAL SOILS IN PLACE. SHRUB, AND TREE AREAS PER DETAILS, SOIL SPECIFICATIONS, NICKEN'S SPECIFICATION, AND SOIL SCIENTIST RECOMMENDATIONS.
- ALL AQUATIC PLANTINGS ARE TO BE INSTALLED DURING THE APPROPRIATE TIME OF YEAR TO ENSURE SURVIVABILITY (EAST SPRING FROST AND THE FIRST FALL FROST).
- ALL DISTURBED AREAS AROUND THE OUTSIDE OF THE DEVICE SHALL BE SEEDED WITH A LAWN AREA SEED MIX (PER SEEDING SPECIFICATIONS) NATIVE GRASSES, LEGUMES, CLOVERS, AND WILDOFLOWERS.
- IF THE DEVICE WAS USED DURING CONSTRUCTION AS A SEDIMENT BASIN OR TRAP, THE BASIN MUST BE CLEANED OUT, GRADED, APPROPRIATE AREAS COVERED WITH 4" OF TOPSOIL, AS SPECIFIED IN NOTE 42 AND AREAL AND VEGETATED WITHIN 14 DAYS OF THE COMPLETION OF CONSTRUCTION.
- CONTRACTOR SHALL WATER ALL VEGETATION AND GRASS ON A WEEKLY BASIS AS NEEDED TO ENSURE GRASS AND PLANT SURVIVAL UNTIL AFTER THE SOIL IS CERTIFIED AND ACCEPTED BY THE TOWN.



STORMWATER CONTROL MEASURE 'C' LANDSCAPE PLAN

1"=50'



SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES.

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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, NC.

Town Engineer: _____
These plans are approved by the Town of Knightdale and serve as construction plans for this project.
By: _____ Date: _____
Administrator

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
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www.mcadams.com

CLIENT
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RALEIGH, NORTH CAROLINA 27615
JACOB ANDERSON
PHONE: 919.239.9486

DOWNTOWN NORTH AT KNIGHTDALE STATION CONSTRUCTION DRAWINGS - PHASE 2
N SMITHFIELD ROAD
KNIGHTDALE, NORTH CAROLINA



REVISIONS

NO.	DATE
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PLAN INFORMATION

PROJECT NO. AGN-21002
FILENAME AGN21002-SWS3
CHECKED BY KEG
DRAWN BY SDD/EMB
SCALE 1" = 50'
DATE 10.13.2023

SHEET

SCM "C" LANDSCAPE PLAN
C9.09

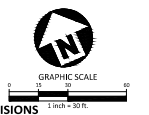


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**DOWNTOWN NORTH AT
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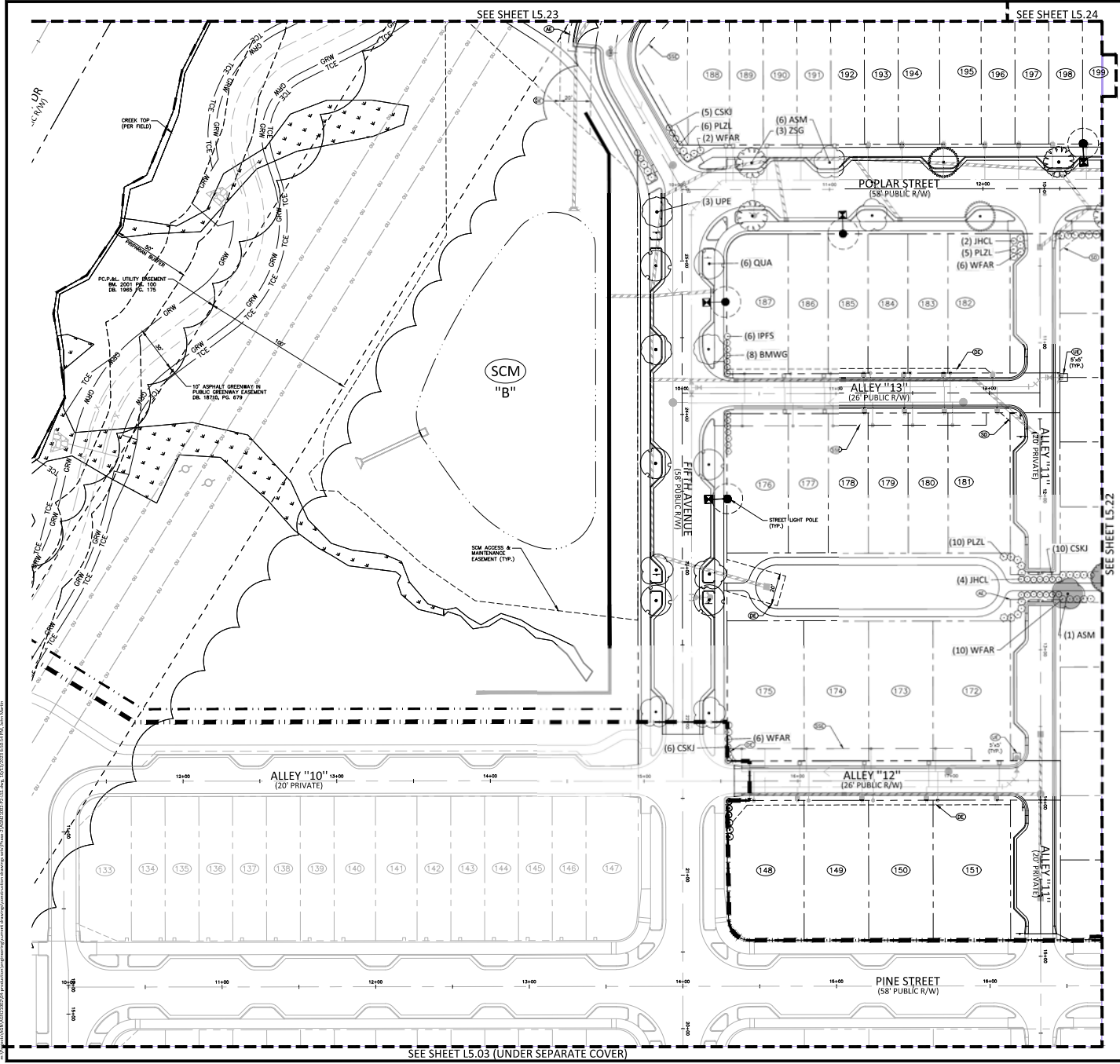
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PLAN INFORMATION

PROJECT NO.: AGN-21002
 FILENAME: AGN21002-P2-L51
 CHECKED BY: JCM / TEP
 DRAWN BY: MRC / LRS / RAD
 SCALE: 1" = 30'
 DATE: 10.13.2023

SEE SHEET

**LANDSCAPE PLAN -
 AREA "E"
 L5.21**



PLANT SCHEDULE AREA "E"

CANOPY TYPES	CODE	BOTANICAL / COMMON NAME
	ASM	Acer saccharum / Maple / Lacep Sugar Maple
	PSC	Platanus chinensis / Chinese Platane
	QUA	Quercus acutissima / Sawtooth Oak
	UPE	Ulmus parvifolia / Yew Elm / Yew Elm
	ZSG	Zelkova serrata / Green Vase / Green Vase Japanese Zelkova
DECIDUOUS SHRUBS		
	WFAR	Weigelia florida / Weigelia / Winter Gem Weigelia
EVERGREEN SHRUBS		
	BMWG	Buxus microphylla japonica / Winter Gem / Winter Gem Japanese Boxwood
	CSKJ	Camelletia sasanqua / Kamogiri / Kamogiri Camellia
	IPFS	Illicium parviflorum / Florida Sunshine / Florida Sunshine Anise Tree
	JHCL	Juniperus horizontalis / Columnar / Columnar Juniper
	PLZL	Prunus laurocerasus / Zabelian / Zabel English Laurel

TER 3 TREE REPLACEMENT (SEE CALCULATIONS SHEET L5.04)

SEE SHEET CD.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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 Town Engineer: _____ Date: _____
 Administrator: _____

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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**DOWNTOWN NORTH AT
KNIGHTDALE STATION
CONSTRUCTION DRAWINGS - PHASE 2
N SMITHFIELD ROAD
KNIGHTDALE, NORTH CAROLINA**



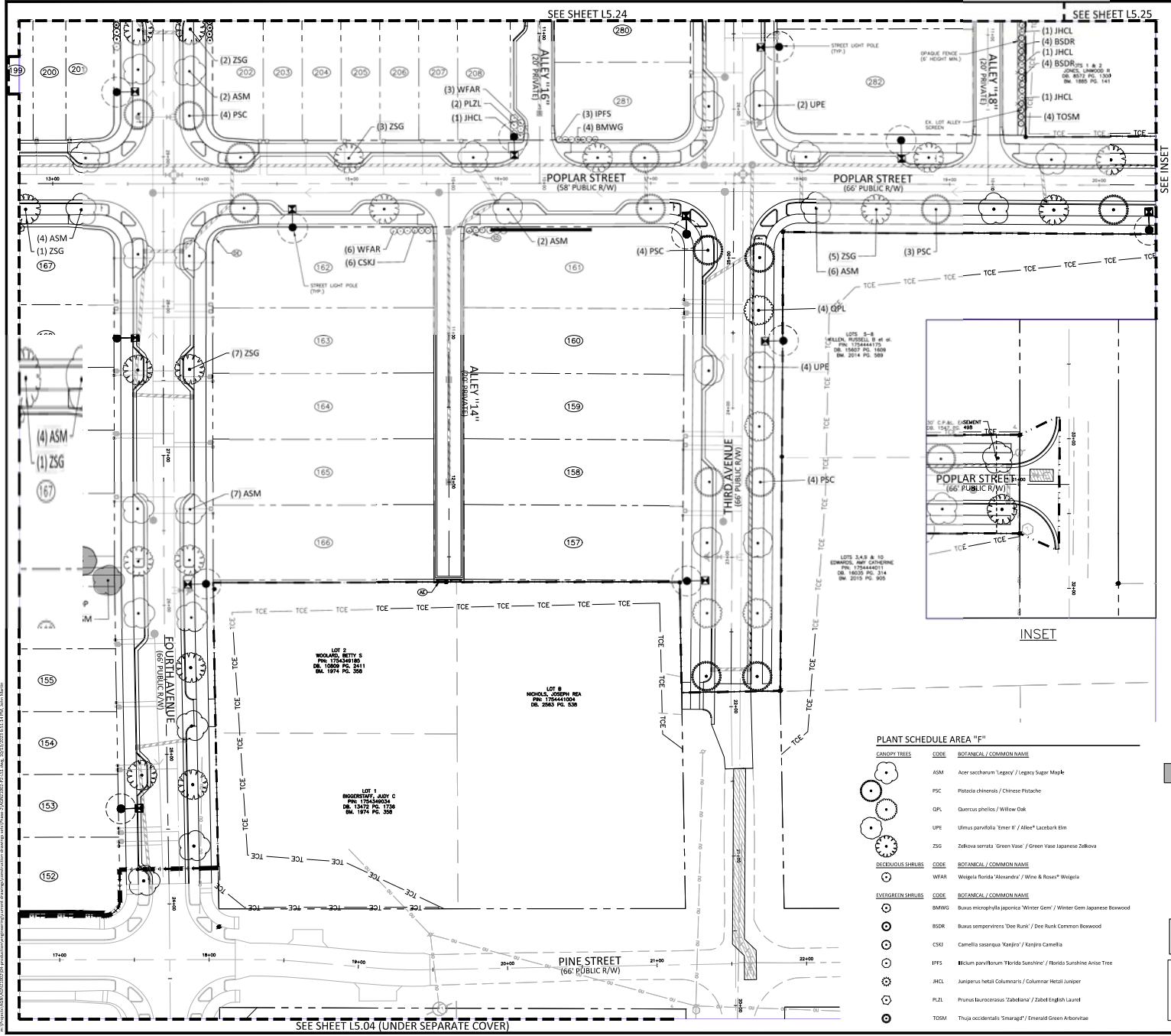
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PLAN INFORMATION

PROJECT NO.	AGN-21002
FILENAME	AGN21002-P2-L51
CHECKED BY	JCM / TEP
DRAWN BY	MRC / LRS / RAD
SCALE	1" = 30'
DATE	10.13.2023

**LANDSCAPE PLAN -
AREA "F"
L5.22**



PLANT SCHEDULE AREA "F"

CANOPY TREES	CODE	BOTANICAL / COMMON NAME
	ASM	Acer saccharum 'Lacey' / Lacey Sugar Maple
	PSC	Pistacia chinensis / Chinese Pistache
	QPL	Quercus phellos / Willow Oak
	UPE	Ulmus parviflora 'Emer II' / Allen* Lacebark Elm
	ZSG	Zelkova serrata 'Green Vase' / Green Vase Japanese Zelkova
DECIDUOUS SHRUBS	CODE	BOTANICAL / COMMON NAME
	WFA	Weigela florida 'Alexandra' / Wine & Roses* Weigela
EVERGREEN SHRUBS	CODE	BOTANICAL / COMMON NAME
	BMWG	Buxus microphylla japonica 'Winter Gem' / Winter Gem Japanese Boxwood
	BSDR	Buxus sempervirens 'Dee Runi' / Dee Runk Common Boxwood
	CAME	Camelia sasanqua 'Kanjiro' / Kanjira Camellia
	IPFS	Ilicium parviflorum 'Florida Sunshine' / Florida Sunshine Anise Tree
	JHCL	Jasminum heterophyllum 'Columbian' / Columbian Hetero Juniper
	PLZL	Prunus laurocerasus 'Zabotiana' / Zabol English Laurel
	TOSM	Thuja occidentalis 'Smaragd' / Emerald Green Arborvitae

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SEE SHEET L5.23

SEE SHEET L5.24

KNIGHTDALE STATION RUN
(66' PUBLIC R/W)

MCKNIGHT DR
(70' PUBLIC R/W)

CREEK TOP
(PER FIELD)

10' ASPHALT GREENWAY IN
PUBLIC GREENWAY EASEMENT
OR 18" TO 24" FC 6" R/W

SCM
"C"

SON ACCESS &
MAINTENANCE
EASEMENT (TYP.)

PCP-AL UTILITY EASEMENT
IML 2003 PC 100
DL 1960 PC 170

ALLEY "17"
(26' PUBLIC R/W)

ALLEY "15"
(26' PUBLIC R/W)

PLANT SCHEDULE AREA "G"

GANTRY TREES	CODE	BOTANICAL / COMMON NAME	CAL	HEIGHT	REMARKS
	ASM	Acer saccharum / Legacy / Legacy Sugar Maple	2" min	8' min	STREET TREE/REPLACEMENT
	LOP	Platanus x acerifolia / Columbia / Columbia London Plane Tree	2" min	8' min	REPLACEMENT
	QPL	Quercus phellos / Willow Oak	2" min	8' min	REPLACEMENT
	TIA	Tilia americana / American Linden	2" min	8' min	REPLACEMENT

TIER 3 TREE REPLACEMENT (SEE CALCULATIONS SHEET L5-04)



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JACOB ANDERSON
PHONE: 919.239.9486



DOWNTOWN NORTH AT
KNIGHTDALE STATION
CONSTRUCTION DRAWINGS - PHASE 2
N SMITHFIELD ROAD
KNIGHTDALE, NORTH CAROLINA



REVISIONS

NO.	DATE
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PLAN INFORMATION

PROJECT NO: AGN-21002
FILENAME: AGN21002-P2-151
CHECKED BY: JCM / TEP
DRAWN BY: MRC / LRS / RAD
SCALE: 1" = 30'
DATE: 10.13.2023

SHEET

LANDSCAPE PLAN -
AREA "G"

L5.23

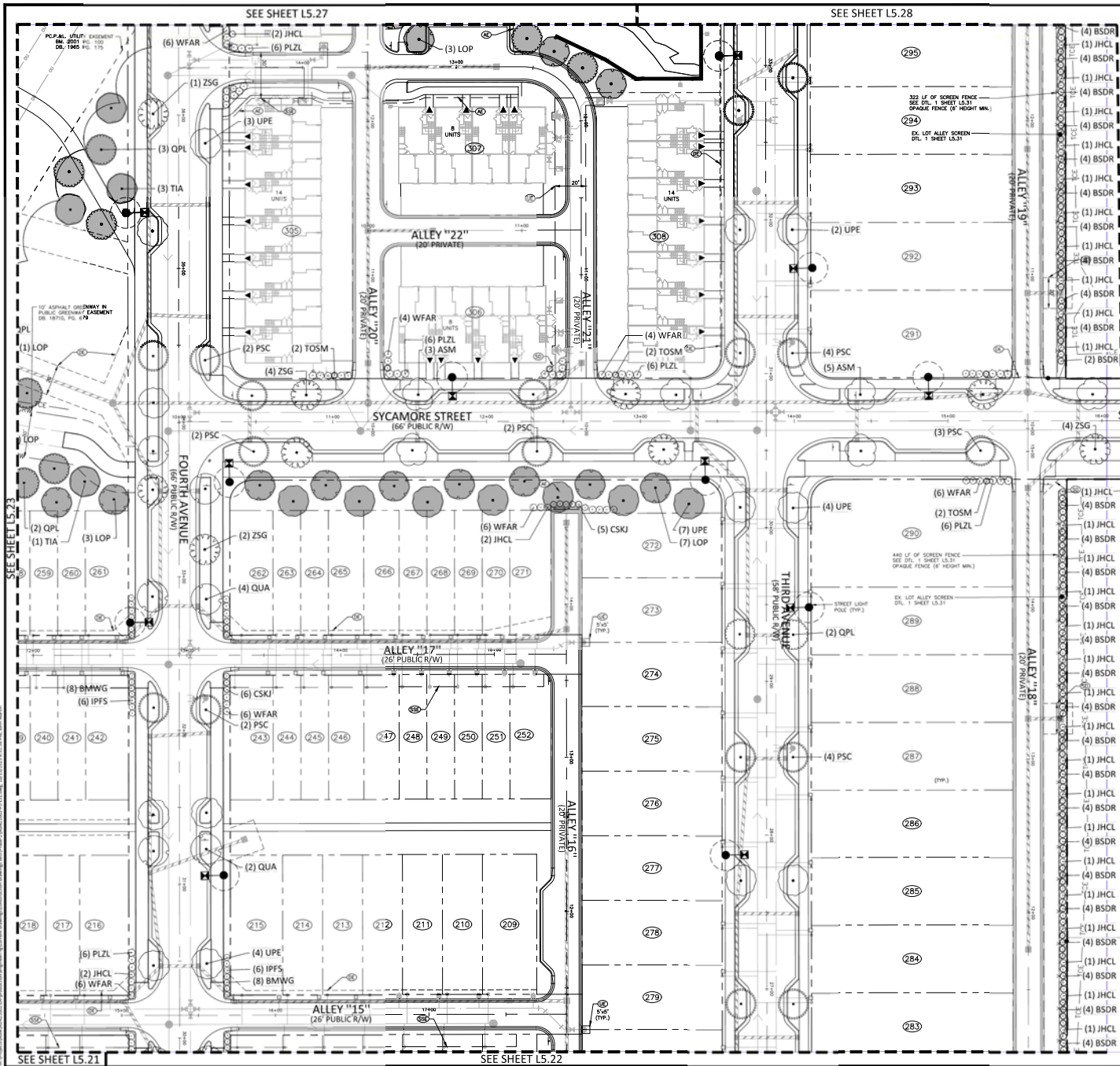
SEE SHEET CD.01 FOR ALL PROJECT, SITE, GRADING,
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ENGINEERING DESIGN AND CONSTRUCTION STANDARDS

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By: _____ Date: _____

Town Engineer
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By: _____ Date: _____
Administrator

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION



PLANT SCHEDULE AREA "H"

CANOPY TREES	CODE	BOTANICAL / COMMON NAME
(1) JHCL	ASM	Acer saccharum / Tree / Legacy Sugar Maple
(4) BSDR	PSC	Pistacia chinensis / Chinese Pistache
(1) JHCL	LOP	Ficus s aerifolia / Columbia / Columbia Lone Pine Tree
(4) BSDR	QUA	Quercus acutissima / Sawtooth Oak
(1) JHCL	QPL	Quercus phellos / Willow Oak
(4) BSDR	TIA	Tilia americana / American Linden
(1) JHCL	UPE	Ulmus parviflora / 'Emer II' / 'Alison' Lacebark Elm
(4) BSDR	ZSG	Zelkova serotina 'Green Vase' / Green Vase Japanese Zelkova
(1) JHCL	WFAR	Wegelia florida 'Alexandre' / 'Wine & Roses' Weigela
(4) BSDR	WFAR	Wegelia florida 'Alexandre' / 'Wine & Roses' Weigela
(1) JHCL	BMWG	Buxus microphylla japonica 'Winter Gem' / Winter Gem Japanese Boxwood
(4) BSDR	BMWG	Buxus sempervirens 'Dee Runki' / Dee Runki Common Boxwood
(1) JHCL	CSKJ	Camellia sasanqua 'Kanjio' / Kanjio Camellia
(4) BSDR	IPFS	Ilexum parviflorum 'Florida Sunshine' / Florida Sunshine Anise Tree
(1) JHCL	JHCL	Juniperus hetero Columnaris / Columular Hetz2 Juniper
(4) BSDR	PLZL	Prunus barceacensis 'Zabellana' / Zabl English Laurel
(1) JHCL	TOSM	Thuja occidentalis 'Swainson' / Emerald Green Arborvitae

TER 3 TREE REPLACEMENT (SEE CALCULATIONS SHEET L5.04)

SEE SHEET L5.25

REVISIONS

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PLAN INFORMATION

PROJECT NO: AGN-21002
 FILENAME: AGN21002-92-151
 CHECKED BY: JCM / TEP
 DRAWN BY: MRC / LRS / RAD
 SCALE: 1" = 30'
 DATE: 10.13.2023

SEE SHEET CO.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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CLIENT

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 JACOB ANDERSON
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DOWNTOWN NORTH AT KNIGHTDALE STATION CONSTRUCTION DRAWINGS - PHASE 2

N SMITHFIELD ROAD
 KNIGHTDALE, NORTH CAROLINA

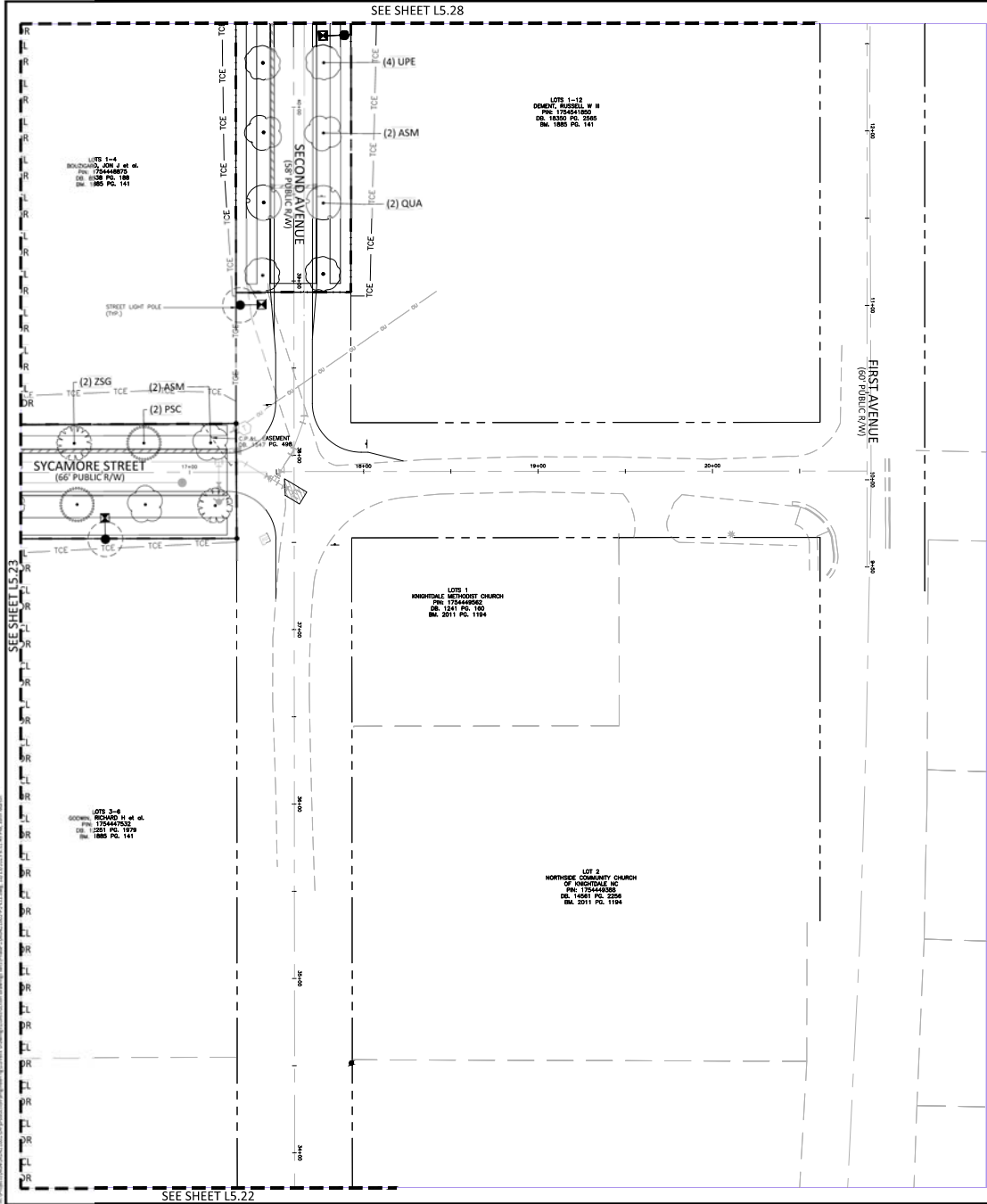
MARK D. SHINN
 NORTH CAROLINA
 REGISTERED PROFESSIONAL ENGINEER
 NO. 50706

REVISIONS

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LANDSCAPE PLAN - AREA "H"

L5.24



PLANT SCHEDULE AREA "L"

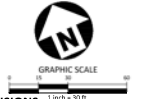
CANOPY TREES	CODE	BOTANICAL / COMMON NAME
	ASM	Acer saccharum 'Sugar' / Legacy Sugar Maple
	PSC	Pistacia chinensis / Chinese Pistache
	QUA	Quercus acutissima / Sawtooth Oak
	UPE	Ulmus parvifolia 'Emer II' / Alice* Lacebark Elm
DECIDUOUS SHRUBS	CODE	BOTANICAL / COMMON NAME
	WPAR	Wingelo Florida 'Alexandra' / Wine & Roses* Wingelo
EVERGREEN SHRUBS	CODE	BOTANICAL / COMMON NAME
	BSDR	Buxus sempervirens 'Dee Runk' / Dee Runk Common Boxwood
	CSU	Camellia lasanqua 'Kanjin' / Kanjin Camellia
	JHCL	Juniperus hetero Columnaris / Columnar* hetero Juniper
	PLZL	Phytolacca americana 'Zabellena' / Zabel English Laurel
	TOSM	Thuja occidentalis 'Smaragd' / Emerald Green Arborvitae

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JACOB ANDERSON
PHONE: 919.239.9485



**DOWNTOWN NORTH AT
KNIGHTDALE STATION
CONSTRUCTION DRAWINGS - PHASE 2
N SMITHFIELD ROAD
KNIGHTDALE, NORTH CAROLINA**



REVISIONS

NO.	DATE
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PLAN INFORMATION

PROJECT NO. AGN-21002
FILENAME AGN21002-P2-L51
CHECKED BY JCM / TEP
DRAWN BY MRC / LRS / RAD
SCALE 1" = 30'
DATE 10.13.2023

SHEET

**LANDSCAPE PLAN -
AREA "L"
L5.25**

SEE SHEET CD.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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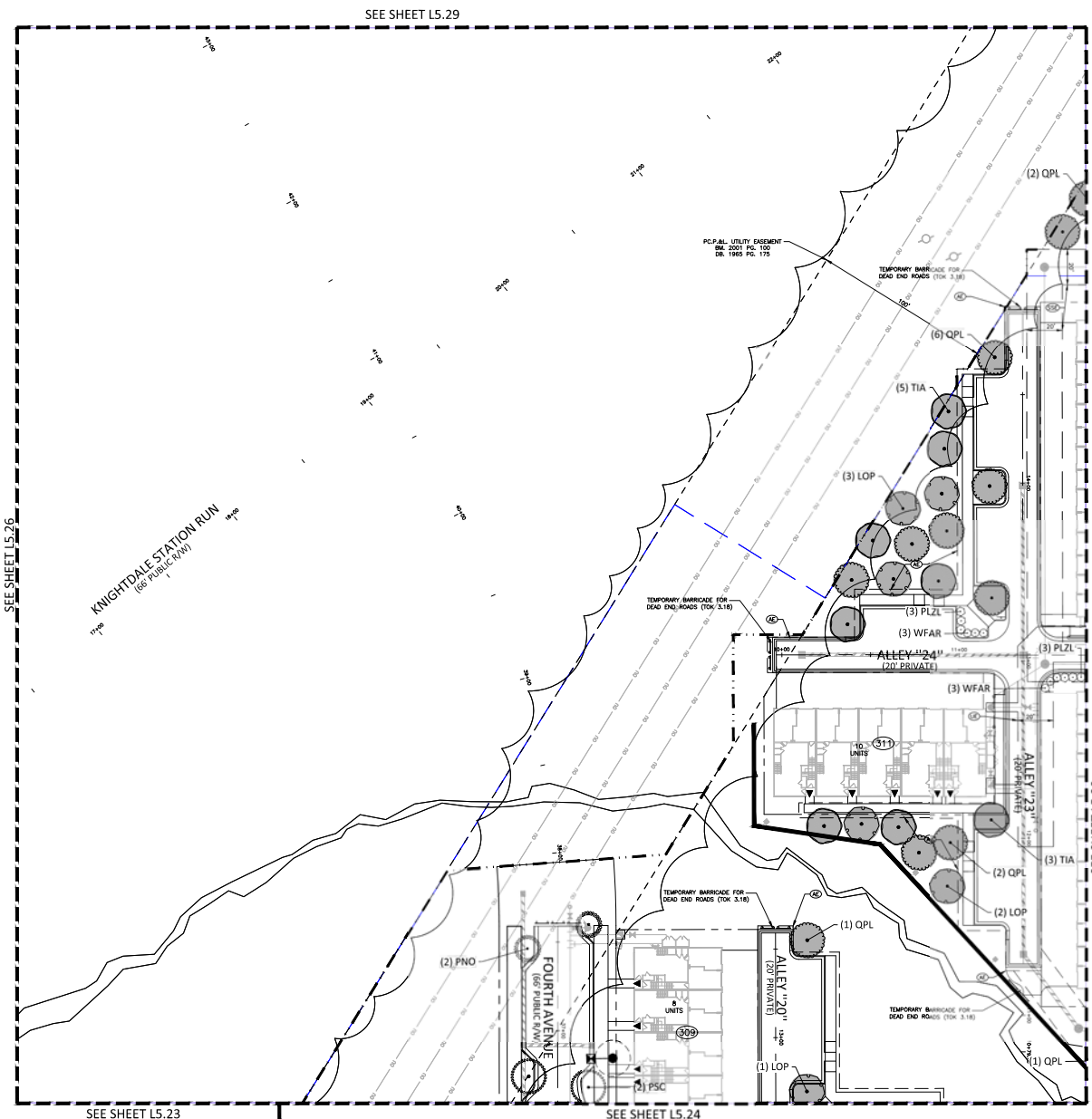
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DRAWN BY MRC / LRS / RAD
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DATE 10.13.2023

SHEET

**LANDSCAPE PLAN -
AREA "K"
L5.27**



PLANT SCHEDULE AREA "H"

CANOPY TREES	CODE	BOTANICAL / COMMON NAME	QTY	HEIGHT	REMARKS
	ASM	Acer saccharum 'Legacy' / Legacy Sugar Maple	2'	8' min	STREET TREE/REPLACEMENT
	PSC	Pistacia chinensis / Chinese Pistache	2'	8' min	STREET TREE
	LOP	Platanus x acerifolia 'Columbia' / Columbia London Plane Tree	2'	8' min	REPLACEMENT
	QUA	Quercus scotisma / Sawtooth Oak	2'	8' min	STREET TREE
	QPL	Quercus phellos / Willow Oak	2'	8' min	REPLACEMENT
	TIA	Tilia americana / American Linden	2'	8' min	REPLACEMENT
	UPE	Ulmus parvifolia 'Emer II' / Alce [®] Lacebark Elm	2'	8' min	STREET TREE
	ZSG	Zelkova serrata 'Green Vase' / Green Vase Japanese Zelkova	2'	8' min	STREET TREE
DECIDUOUS SHRUBS					
CODE	BOTANICAL / COMMON NAME	CONT	HEIGHT	REMARKS	
WFA	Weigela florida 'Rosandra' / Wino & Rosen [®] Weigela	3 gal	15' min	SCREEN	
EVERGREEN SHRUBS					
CODE	BOTANICAL / COMMON NAME	CONT	HEIGHT	REMARKS	
BMW	Buxus microphylla japonica 'Winter Gem' / Winter Gem Japanese Boxwood	3 gal	12" min	SCREEN	
BDR	Buxus sempervirens 'Dee Runk' / Dee Runk Common Boxwood	7 gal	36" min	SCREEN	
CSK	Camellia sasanqua 'Kanjiro' / Kanjiro Camellia	5 gal	18" min	SCREEN	
IPS	Illicium parviflorum 'Florida Sunshine' / Florida Sunshine Anise Tree	3 gal	12" min	SCREEN	
JHL	Jurpenus hetero Columnaris / Columnar Hetsi Juniper	7 gal	60" min	SCREEN	
PLZ	Prunus laurocerasus 'Zabala' / Zabal English Laurel	3 gal	15" min	SCREEN	
TDM	Thuja occidentalis 'Emerald Green Arborvitae	7 gal	36" min	SCREEN	

TIER 3 TREE REPLACEMENT (SEE CALCULATIONS SHEET L5.04)

SEE SHEET CD.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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

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, NC.
Town Engineer: _____ Date: _____
Administrator: _____

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION



McADAMS

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

phone 919.361.5000
fax 919.361.2269
license number: C-0299, C-187

www.mcadamsco.com

CLIENT

ALLIANCE GROUP OF N.C., LLC
7208 FALLS OF NEUSE RD, SUITE 101
RALEIGH, NORTH CAROLINA 27615
JACOB ANDERSON
PHONE: 919.239.9485



DOWNTOWN NORTH AT
KNIGHTDALE STATION
CONSTRUCTION DRAWINGS - PHASE 2
N SMITHFIELD ROAD
KNIGHTDALE, NORTH CAROLINA



REVISIONS

Table with 2 columns: No. and DATE

PLAN INFORMATION

PROJECT NO.: AGN-21002
FILENAME: AGN21002-P2-LS1
CHECKED BY: JCM / TEP
DRAWN BY: MRC / LRS / RAD
SCALE: 1" = 30'
DATE: 10.13.2023

SEE SHEET

LANDSCAPE PLAN - AREA "L"
L5.28

SEE SHEET L5.30

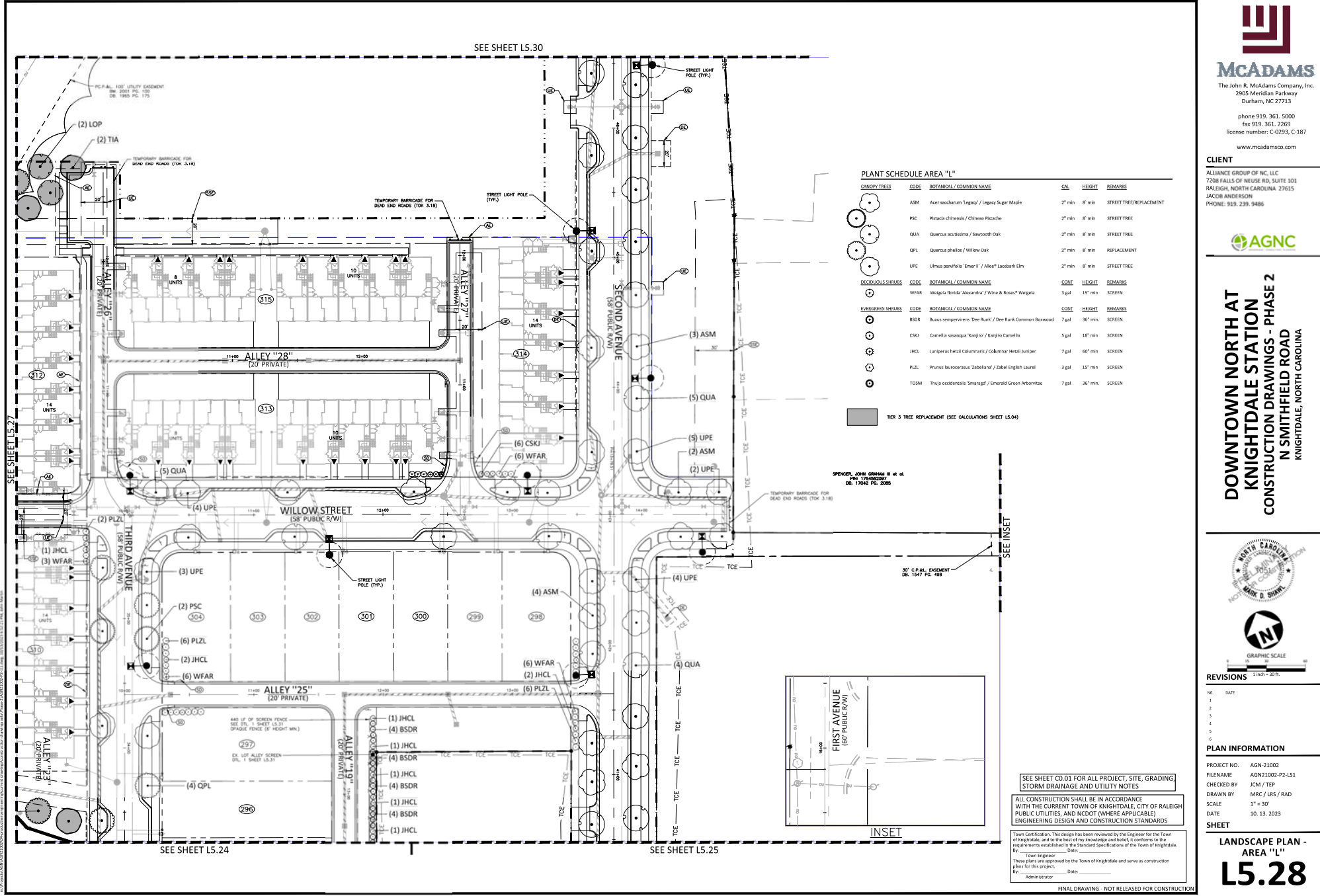
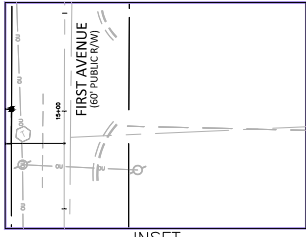
PLANT SCHEDULE AREA "L"

Table with columns: CANOPY TREES, CODE, BOTANICAL / COMMON NAME, CAL., HEIGHT, REMARKS. Includes entries for ASM, PSC, QUA, QPL, UPE, etc.

TIER 3 TREE REPLACEMENT (SEE CALCULATIONS SHEET L5.04)

SPENCER, JOHN DRAWMAN II et al.
P.E. 17549-0009
DB: 17042 PG. 2085

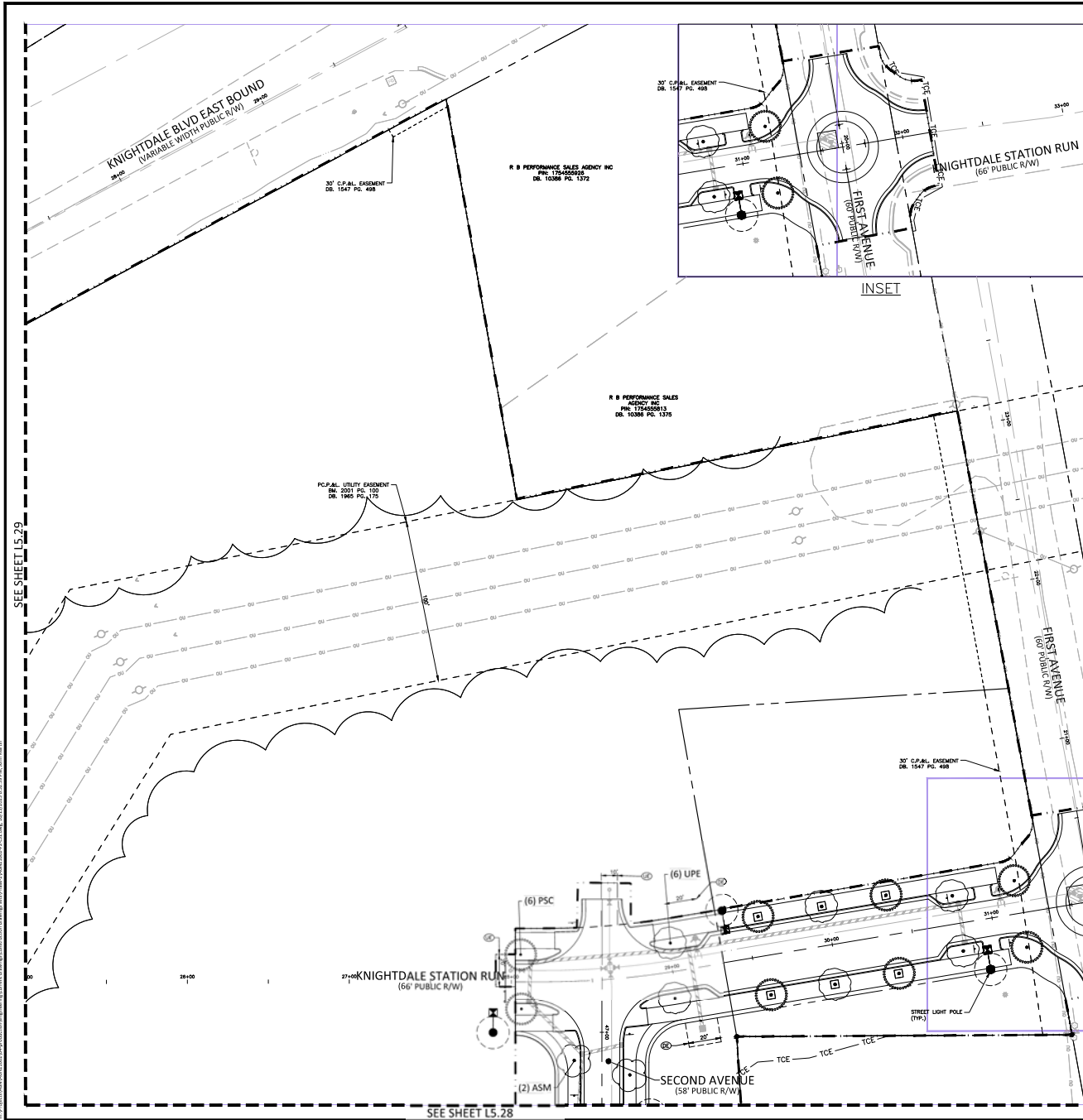
30' C.F.A.B. EASEMENT
DB: 1547 PG. 499



SEE SHEET L5.24

SEE SHEET L5.25

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION



PLANT SCHEDULE AREA "N"

CANOPY TREES	CODE	BOTANICAL / COMMON NAME	CAL	HEIGHT	REMARKS
	ASM	Acer saccharum / Legacy / Legacy Sugar Maple	2' min	8' min	STREET TREE/REPLACEMENT
	PSC	Pistacia chinensis / Chinese Pistache	2' min	8' min	STREET TREE
	UPE	Ulmus parvifolia / Elm 'I' / Abbey* Lacebark Elm	2' min	8' min	STREET TREE

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**DOWNTOWN NORTH AT
KNIGHTDALE STATION
CONSTRUCTION DRAWINGS - PHASE 2
N SMITHFIELD ROAD
KNIGHTDALE, NORTH CAROLINA**

GRAPHIC SCALE
1 inch = 30 ft.

REVISIONS

NO.	DATE
1	
2	
3	
4	
5	
6	

PLAN INFORMATION

PROJECT NO. AGN-21002
FILENAME AGN21002-P2-L51
CHECKED BY JCM / TEP
DRAWN BY MRC / LRS / RAD
SCALE 1" = 30'
DATE 10.13.2023

SEE SHEET CD.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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

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, NC.
Town Engineer: _____ Date: _____
Administrator: _____

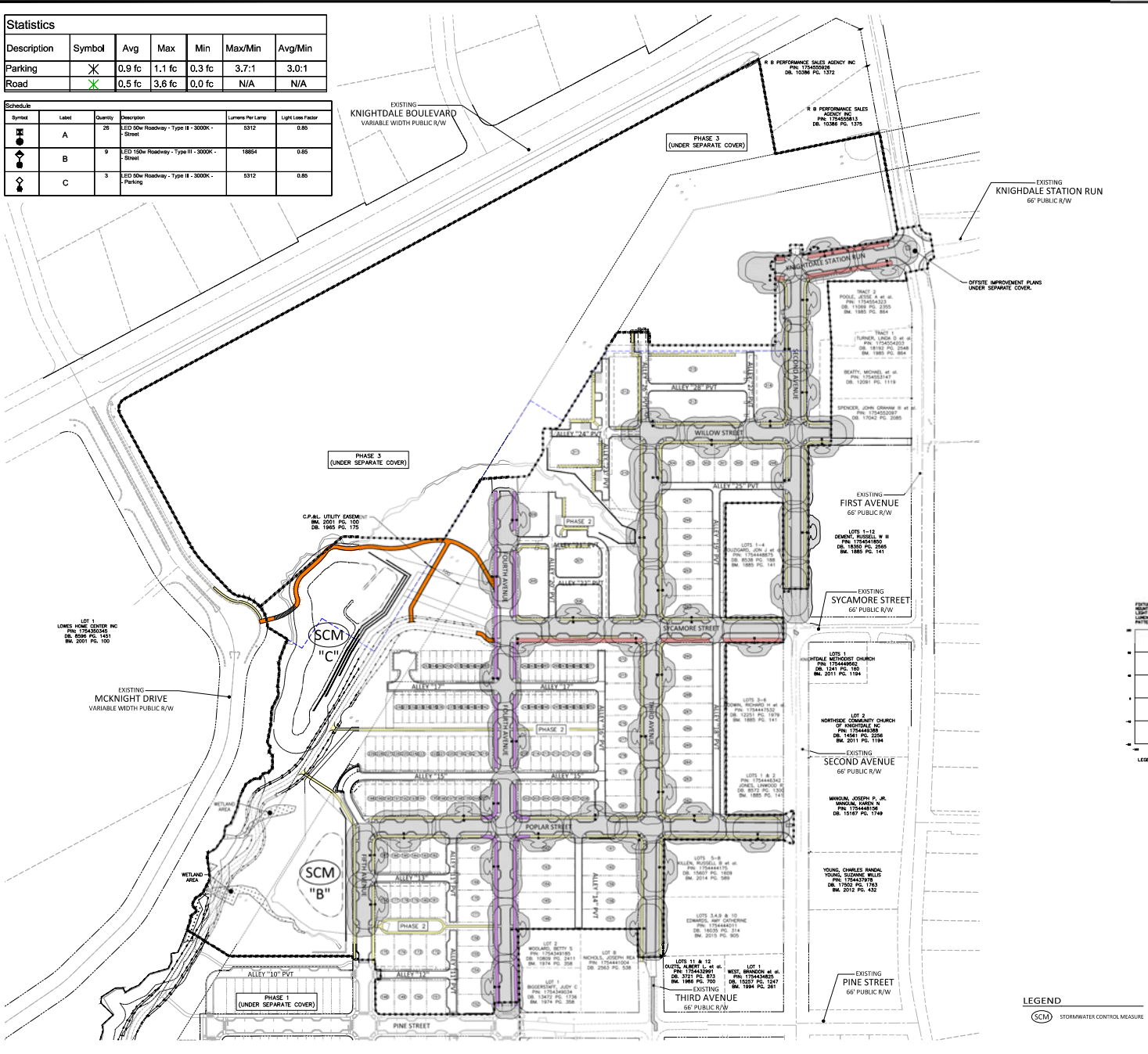
FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

**LANDSCAPE PLAN -
AREA "N"
L5.30**

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Parking	X	0,9 fc	1,1 fc	0,3 fc	3,7:1	3,0:1
Road	X	0,5 fc	3,6 fc	0,0 fc	N/A	N/A

Symbol	Label	Quantity	Description	Lumens Per Lamp	Light Loss Factor
☉	A	28	LED 50w Roadway - Type II - 3000k - Street	5312	0,85
☉	B	9	LED 150w Roadway - Type III - 3000k - Street	16954	0,85
☉	C	3	LED 50w Roadway - Type II - 3000k - Parking	5312	0,85

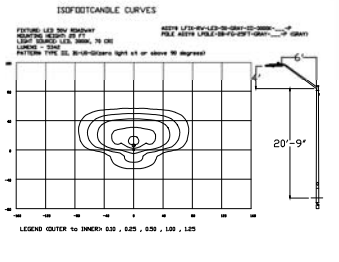


Outdoor Lighting

Light fixture: LED
 Beam angle: 120°
 Mounting height: 10-12 ft
 Luminaire: LED
 Color: 3000K
 Lumens: 5312
 Light loss factor: 0,85

Outdoor Lighting

Light fixture: LED
 Beam angle: 120°
 Mounting height: 10-12 ft
 Luminaire: LED
 Color: 3000K
 Lumens: 16954
 Light loss factor: 0,85



LEGEND
 (SCM) STORMWATER CONTROL MEASURE

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.
 Town Engineer: _____ Date: _____
 These plans are approved by the Town of Knightdale and serve as construction plans for this project.
 Administrator: _____ Date: _____

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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 JACOB ANDERSON
 PHONE: 919.239.9486



**DOWNTOWN NORTH AT
 KNIGHTDALE STATION
 CONSTRUCTION DRAWINGS - PHASE 2
 N SMITHFIELD ROAD
 KNIGHTDALE, NORTH CAROLINA**

TYLER E. PROFFITT
 No. 17444
 State of North Carolina
 PROFESSIONAL ENGINEER

GRAPHIC SCALE
 1" = 120'

REVISIONS

NO.	DATE
1	
2	
3	
4	
5	
6	

PLAN INFORMATION

PROJECT NO.: AGN-21002
 FILENAME: AGN21002-P2-411
 CHECKED BY: JCM / TEP
 DRAWN BY: MRC / LRS / RAD
 SCALE: 1"=120'
 DATE: 10.13.2023

SHEET
LIGHTING PLAN
L6.20