

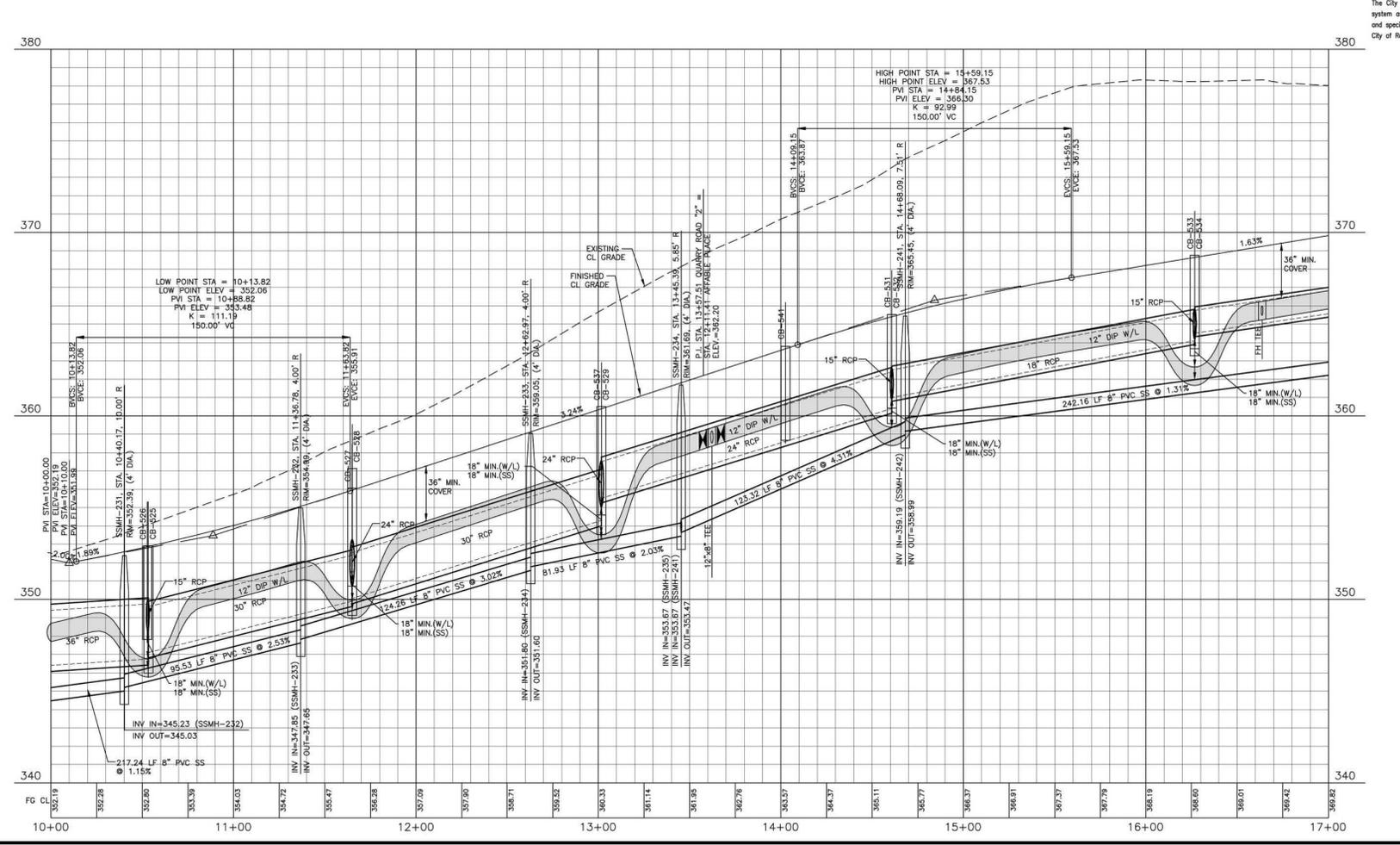
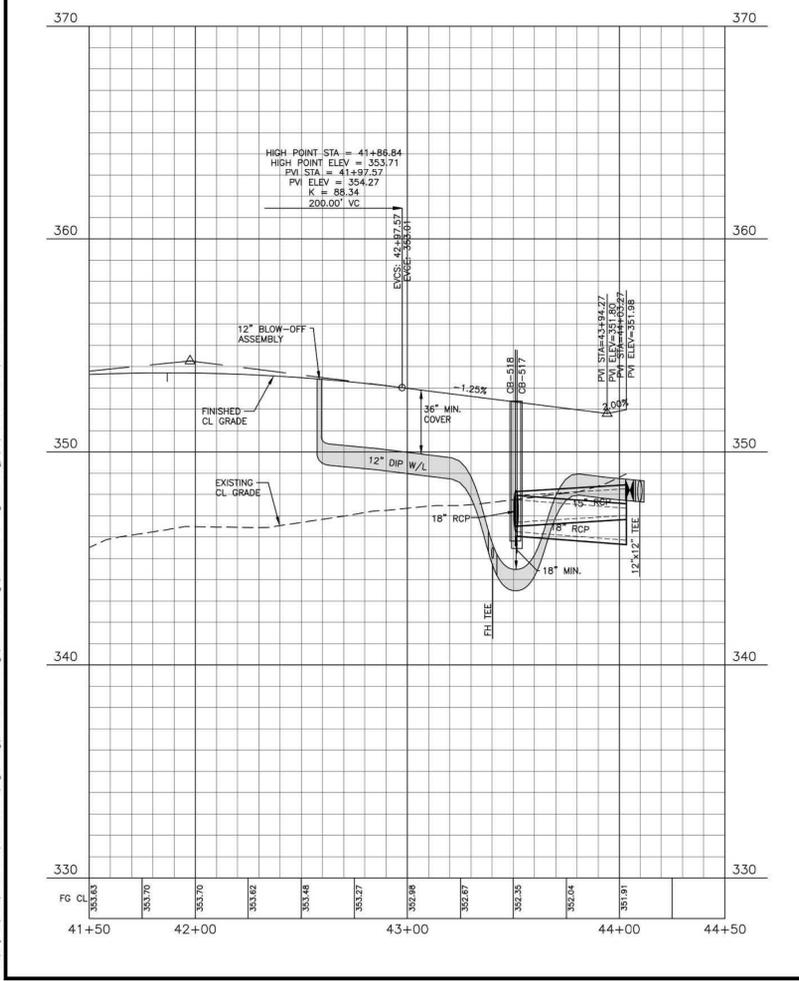
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CB-526 STA. 10+52.67 T/C=352.91 INV OUT=348.65	CB-533 STA. 16+26.80 T/C=368.75 INV IN=364.50 INV OUT=364.50
CB-527 STA. 11+64.95 T/C=356.07 INV IN=350.05 INV OUT=349.90	CB-534 STA. 16+26.80 T/C=368.75 INV IN=355.50 INV OUT=355.50
CB-528 STA. 11+64.96 T/C=357.13 INV IN=352.00 INV OUT=351.50	CB-535 STA. 13+01.64 T/C=360.50 INV IN=355.50 INV OUT=355.50
CB-529 STA. 13+01.64 T/C=360.50 INV IN=355.20 INV OUT=354.90	CB-536 STA. 14+02.51 T/C=363.78 INV IN=355.50 INV OUT=359.50
CB-530 STA. 14+02.51 T/C=363.78 INV IN=355.20 INV OUT=354.30	

## QUARRY ROAD "1"

## QUARRY ROAD "2"

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION  
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 Timothy Beasley  
 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 Permit # 5-5043.  
 The City of Raleigh consents to the connection and extension of the City's Public Water System as shown on this plan. The material and construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # W-3927.  
 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 # \_\_\_\_\_



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

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

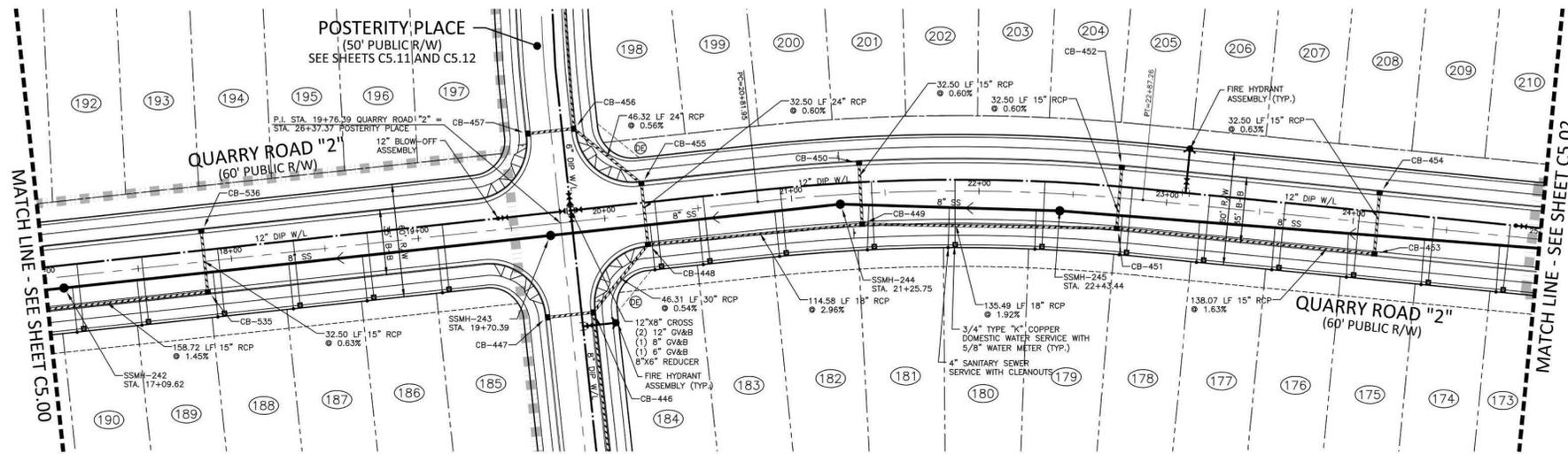
**REVISIONS**  
 NO. DATE

**Professional Engineer Seal**  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 22630  
 WILLIAM T. O'DANIEL  
 Todd O'Daniel  
 Apr 19 2022 1:02 PM

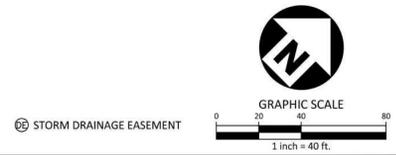
**THE POINT - PHASES 1, 2, 6 AND 9**  
 CONSTRUCTION DRAWINGS - PACKAGE 1  
 TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,  
 WAKE COUNTY, NORTH CAROLINA

**PLAN INFORMATION**  
 PROJECT NO. AWH-20000  
 FILENAME AWH20000-CD-PKG-01-P1  
 CHECKED BY WTO  
 DRAWN BY SRW  
 SCALE 1"=40'/1"=4'  
 DATE 03. 21. 2022

**PLAN AND PROFILE**  
 QUARRY ROAD "1", STA. 41+00 THRU STA. 44+50  
 QUARRY ROAD "2", STA. 10+00 THRU STA. 17+00  
**C5.00**



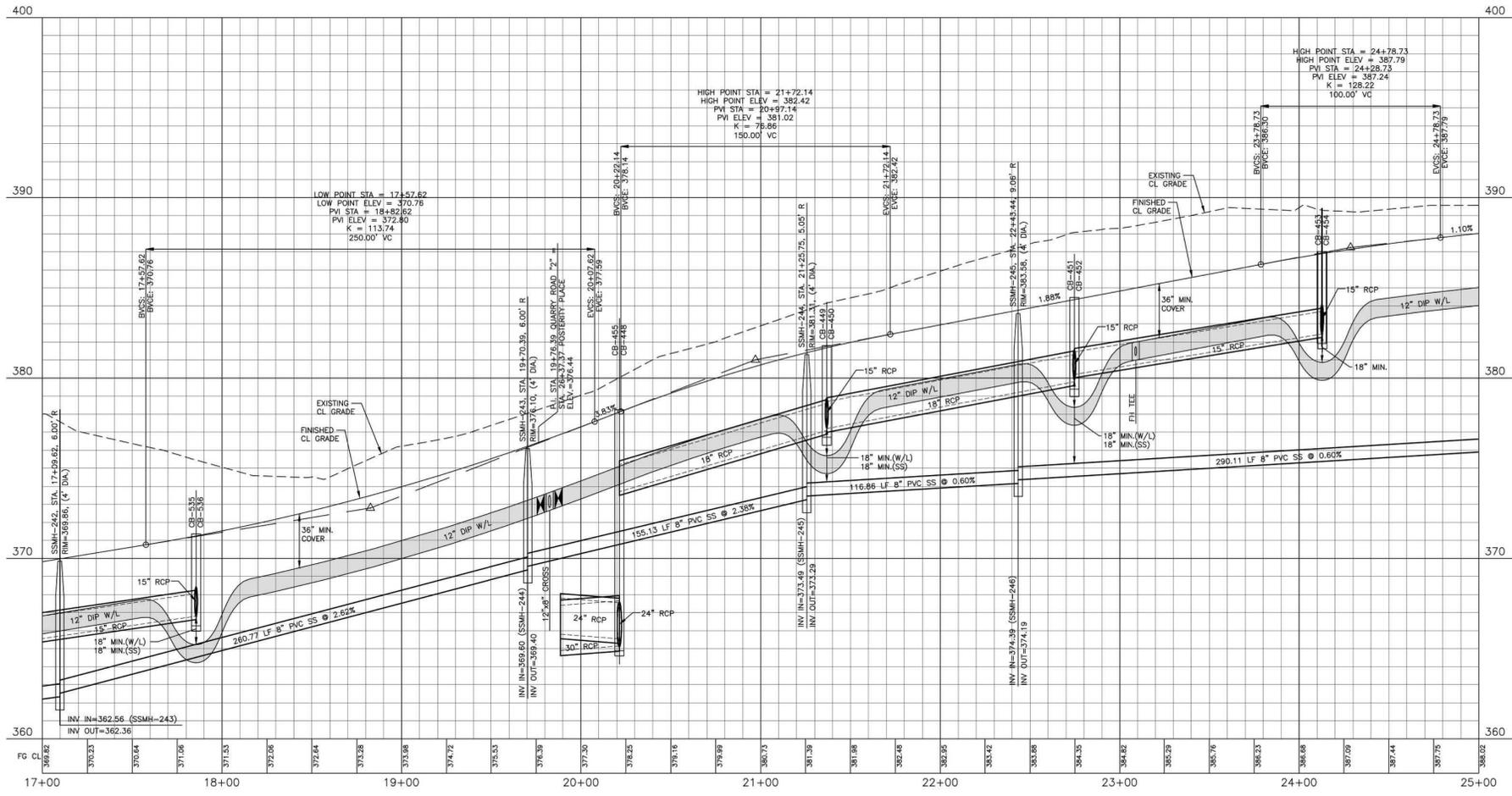
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CB-448 STA. 20+21.39 T/C=378.24 INV IN=365.25 (CB-455) INV IN=373.70 (CB-449) INV OUT=365.15	CB-455 STA. 20+21.40 T/C=378.24 INV IN=365.55 (CB-456) INV OUT=365.45
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CB-450 STA. 21+36.88 T/C=381.80 INV OUT=377.55	
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CB-452 STA. 22+74.72 T/C=384.47 INV OUT=380.22	



# QUARRY ROAD "2"

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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 Permit # 5-5043.  
 The City of Raleigh consents to the connection and extension of the City's Public Water System as shown on this plan. The material and construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # W-3927.  
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 City of Raleigh Public Utilities Department Permit # \_\_\_\_\_



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

ASHTON WOODS.

**REVISIONS**

NO.	DATE

Todd O'Daniel  
 Apr 19 2022 1:02 PM

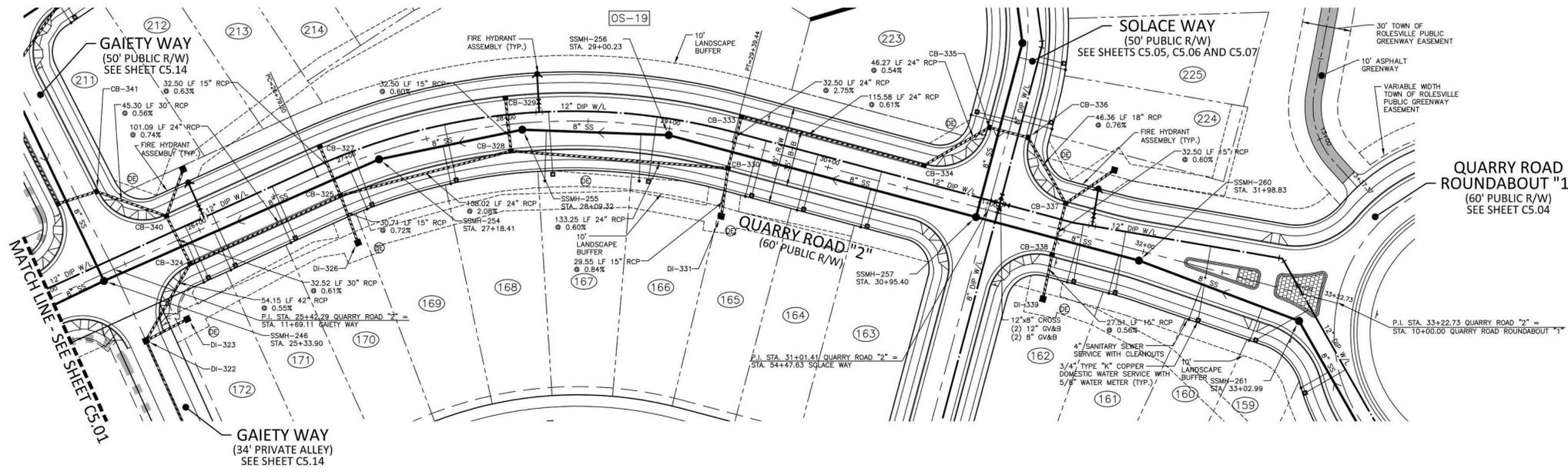
## THE POINT - PHASES 1, 2, 6 AND 9 CONSTRUCTION DRAWINGS - PACKAGE 1 TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP, WAKE COUNTY, NORTH CAROLINA

**PLAN INFORMATION**

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-01-P1
CHECKED BY	WTO
DRAWN BY	SRW
SCALE	1"=40'/1"=4'
DATE	03. 21. 2022

**PLAN AND PROFILE**  
 QUARRY ROAD "2", STA. 17+00 THRU STA. 25+00

# C5.01



CB-324 STA. 25+86.29 T/C=389.35 INV IN=379.00 (CB-340) INV IN=383.75 (CB-325) INV OUT=378.90	CB-334 STA. 30+56.52 T/C=397.54 INV IN=391.25 (CB-335) INV OUT=391.15
CB-325 STA. 26+87.75 T/C=391.50 INV IN=386.20 (CB-328) INV IN=387.04 (CB-327) INV IN=384.80 (DI-326) INV IN=384.50	CB-338 STA. 31+46.30 T/C=398.57 INV IN=392.95 (DI-339) INV OUT=392.85 STA. 31+46.52 T/C=398.57 INV IN=392.65 (CB-338) INV IN=393.60 (DI-337A) INV IN=392.45 STA. 25+85.07 T/C=389.33
CB-327 STA. 28+87.75 T/C=391.50 INV IN=387.25	CB-328 STA. 28+01.02 T/C=394.58 INV IN=388.55 (CB-330) INV IN=390.14 (CB-329) INV OUT=388.45
CB-329 STA. 28+01.02 T/C=394.58 INV IN=388.55 (CB-330) INV IN=390.14 (CB-329) INV OUT=388.45	CB-330 STA. 29+40.94 T/C=396.34 INV IN=389.45 (CB-333) INV IN=389.85 (DI-331) INV OUT=389.35
CB-333 STA. 29+40.94 T/C=396.34 INV IN=390.45 (CB-334) INV OUT=390.35	



# QUARRY ROAD "2"

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City of Raleigh Development Approval: \_\_\_\_\_  
City of Raleigh Review Officer: \_\_\_\_\_

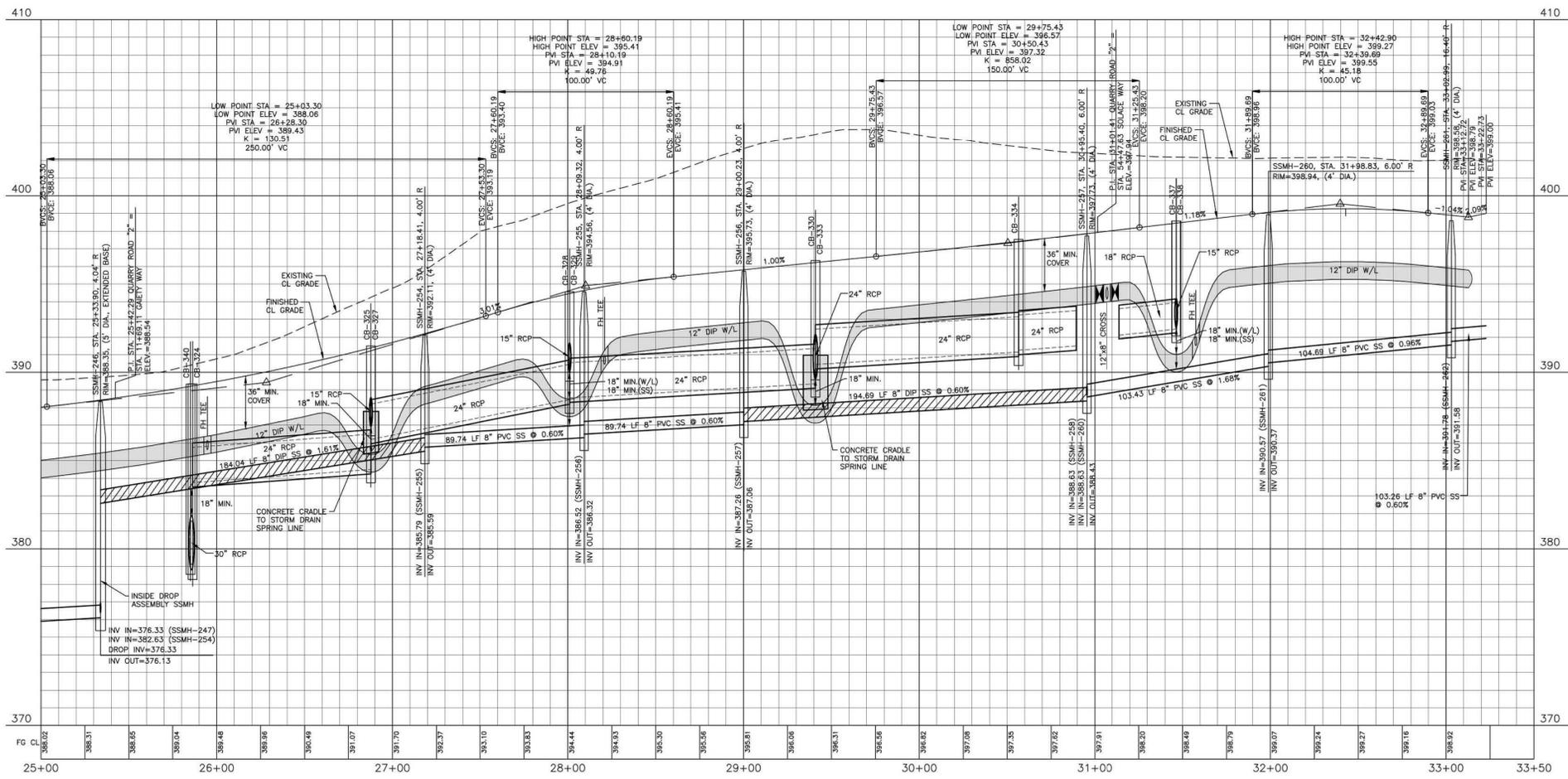
**SITE PERMITTING APPROVAL**

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 # S-5043.

The City of Raleigh consents to the connection and extension of the City's Public Water System as shown on this plan. The material and construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # W-3927.

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FINAL DRAWING - 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

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

ASHTON WOODS.

**REVISIONS**

NO.	DATE

Todd O'Daniel  
Apr 19 2022 1:02 PM

## THE POINT - PHASES 1, 2, 6 AND 9

### CONSTRUCTION DRAWINGS - PACKAGE 1

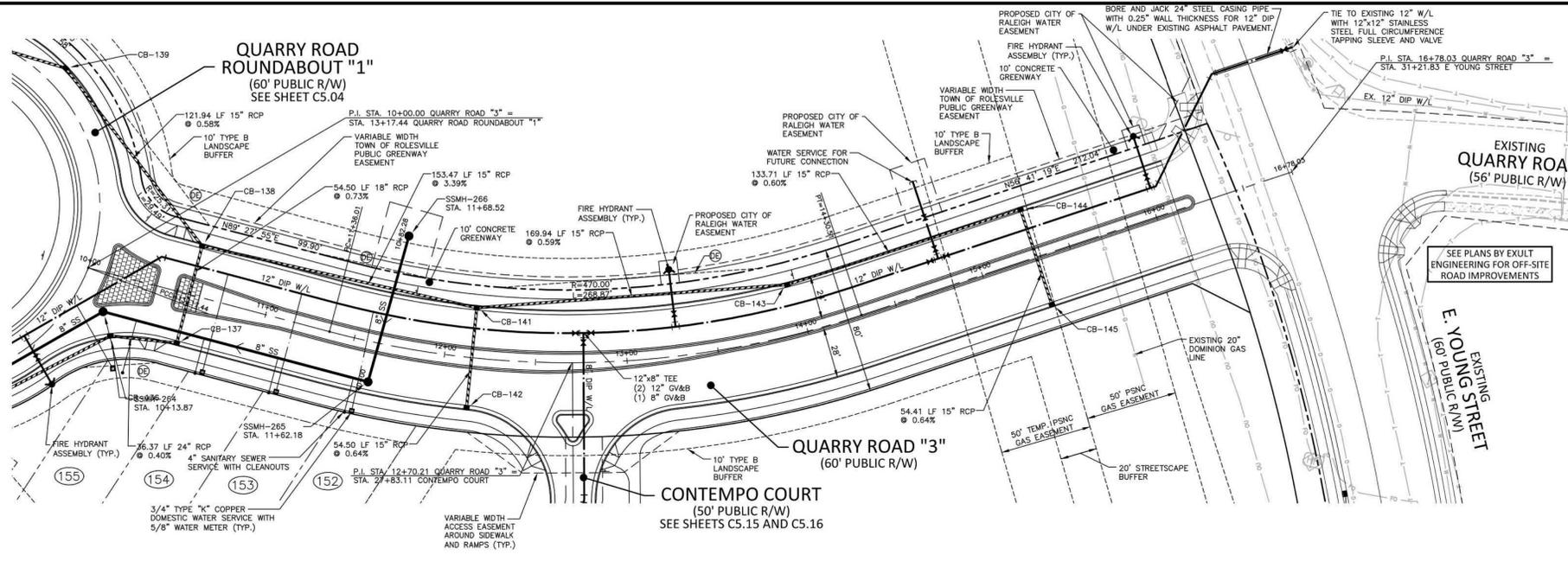
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,  
WAKE COUNTY, NORTH CAROLINA

**PLAN INFORMATION**

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-01-P1
CHECKED BY	WTO
DRAWN BY	SRW
SCALE	1"=40'/1"=4'
DATE	03. 21. 2022

**PLAN AND PROFILE**  
QUARRY ROAD "2", STA. 25+00 THRU STA. 33+50

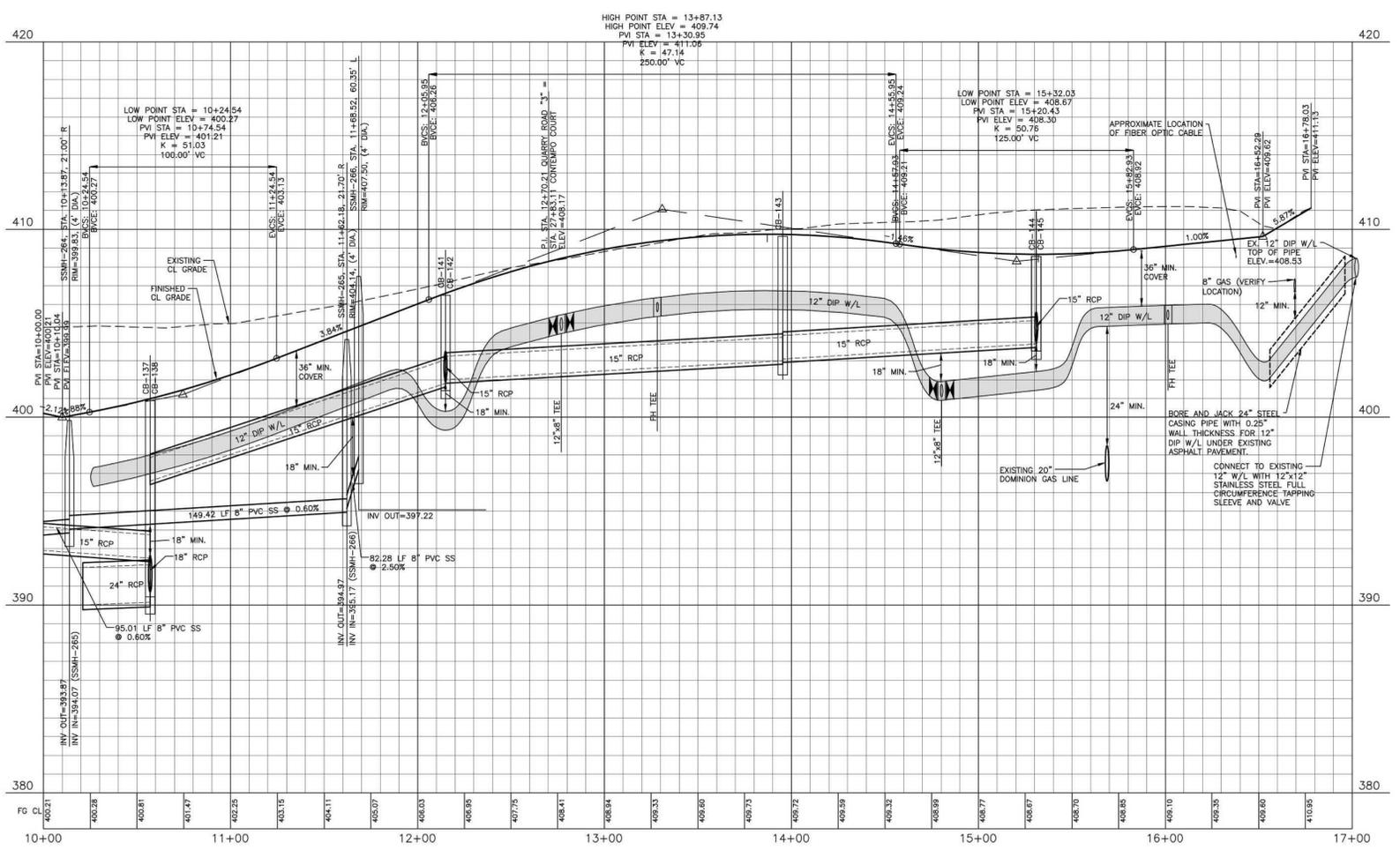
# C5.02



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CB-137 STA. 10+57.03 T/C=400.88 INV IN=390.70 (CB-138) INV OUT=390.15	CB-144 STA. 15+30.99 T/C=408.56 INV IN=404.00 (CB-145) INV OUT=403.90
CB-138 STA. 10+57.03 T/C=400.88 INV IN=396.60 (CB-141) INV IN=392.50 (CB-139) INV OUT=391.10	CB-145 STA. 15+30.83 T/C=408.56 INV IN=404.35 INV OUT=404.35
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CB-142 STA. 12+14.92 T/C=408.49 INV OUT=402.25	



## QUARRY ROAD "3"



CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION

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City of Raleigh Development Approval \_\_\_\_\_  
City of Raleigh Review Officer \_\_\_\_\_

**SITE PERMITTING APPROVAL**

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FINAL DRAWING - RELEASED FOR CONSTRUCTION

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Durham, NC 27713

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

ASHTON WOODS.

**REVISIONS**

NO.	DATE

Todd O'Daniel  
Apr 19 2022 1:03 PM

**THE POINT - PHASES 1, 2, 6 AND 9**  
**CONSTRUCTION DRAWINGS - PACKAGE 1**  
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,  
WAKE COUNTY, NORTH CAROLINA

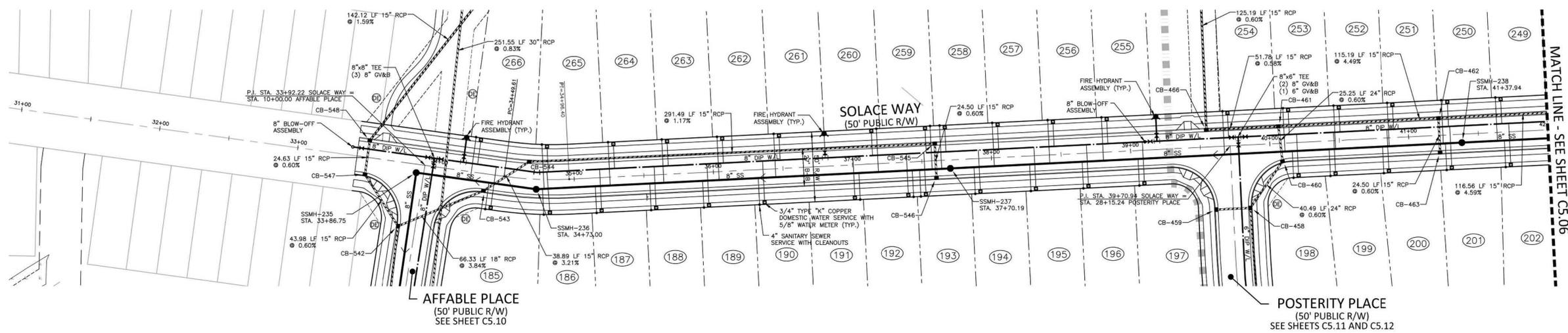
**PLAN INFORMATION**

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-01-P1
CHECKED BY	WTO
DRAWN BY	SRW
SCALE	1"=40'/1"=4'
DATE	03. 21. 2022

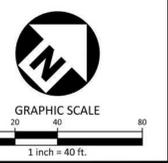
**PLAN AND PROFILE**  
QUARRY ROAD "3", STA. 10+00 THRU STA. 17+00

# C5.03





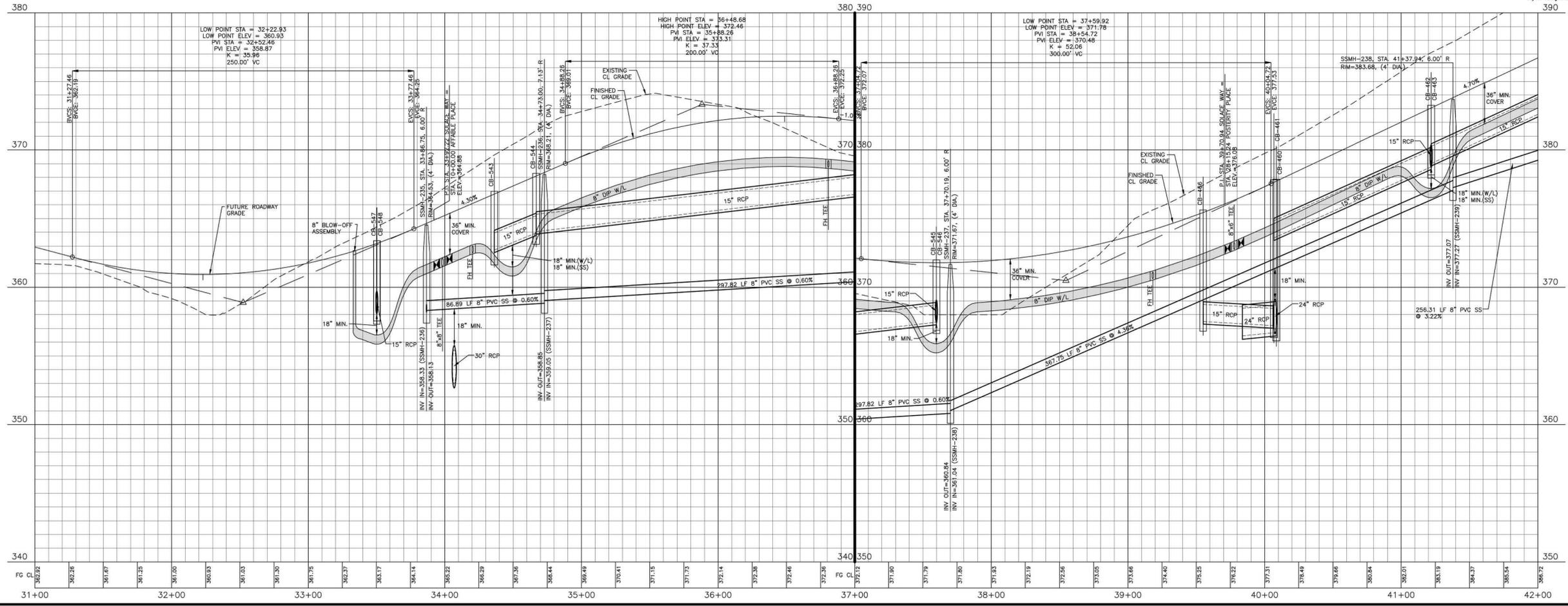
CB-542 STA. 33+79.03 T/C=364.44 INV IN=359.90 (CB-543) INV IN=357.84 (CB-547) INV OUT=357.25	CB-548 T/C=376.62 INV IN=366.45 (CB-460) INV IN=372.22 (CB-459) INV OUT=366.35	CB-460 STA. 40+08.53 T/C=368.98 INV IN=362.70 (CB-544) INV OUT=362.45	CB-461 STA. 40+08.80 T/C=377.83 INV IN=373.58 (CB-462) INV IN=364.05 (CB-545) INV OUT=363.95	CB-462 STA. 41+22.00 T/C=383.25 INV IN=379.00 (CB-464) INV OUT=367.45	CB-463 STA. 41+22.00 T/C=383.25 INV IN=379.00 (CB-464) INV OUT=367.45	CB-464 STA. 41+22.00 T/C=383.25 INV IN=379.00 (CB-464) INV OUT=367.45	CB-465 STA. 41+22.00 T/C=383.25 INV IN=379.00 (CB-464) INV OUT=367.45	CB-466 STA. 39+55.02 T/C=375.63 INV IN=359.20 (DI-467) INV OUT=367.50	CB-549 STA. 33+50.44 T/C=363.39 INV IN=358.45 (DI-549) INV OUT=358.35
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# SOLACE WAY

**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 # 5-5043.  
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 City of Raleigh Public Utilities Department Permit # \_\_\_\_\_



FINAL DRAWING - RELEASED FOR CONSTRUCTION

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 2905 Meridian Parkway  
 Durham, NC 27713  
 phone 919. 361. 5000  
 fax 919. 361. 2269  
 license number: C-0293, C-187  
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**CLIENT**  
 ASHTON RALEIGH RESIDENTIAL, LLC.  
 5711 SIX FORKS ROAD, SUITE 300  
 RALEIGH, NORTH CAROLINA 27609  
 PHONE: 919. 232. 3695  
 CONTACT: BOB MISHLER  
 ASHTON WOODS.

**REVISIONS**

NO.	DATE

Todd O'Daniel  
 Apr 19 2022 1:04 PM

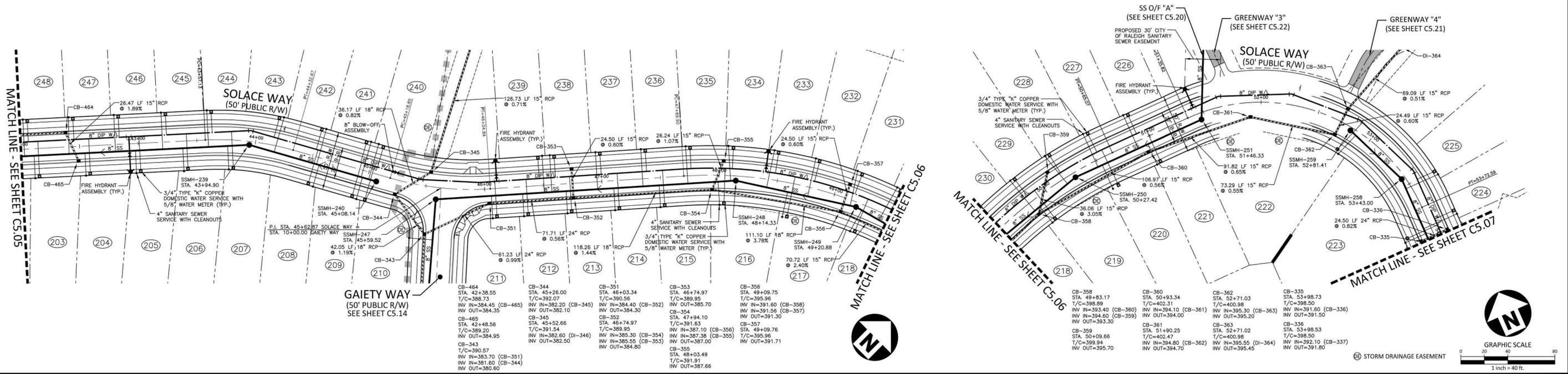
## THE POINT - PHASES 1, 2, 6 AND 9 CONSTRUCTION DRAWINGS - PACKAGE 1 TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP, WAKE COUNTY, NORTH CAROLINA

**PLAN INFORMATION**

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-01-P1
CHECKED BY	MYD
DRAWN BY	SRM
SCALE	1"=40'/1"=4'
DATE	03. 21. 2022

**PLAN AND PROFILE**  
 SOLACE WAY, STA. 31+00 THRU STA. 42+00

# C5.05

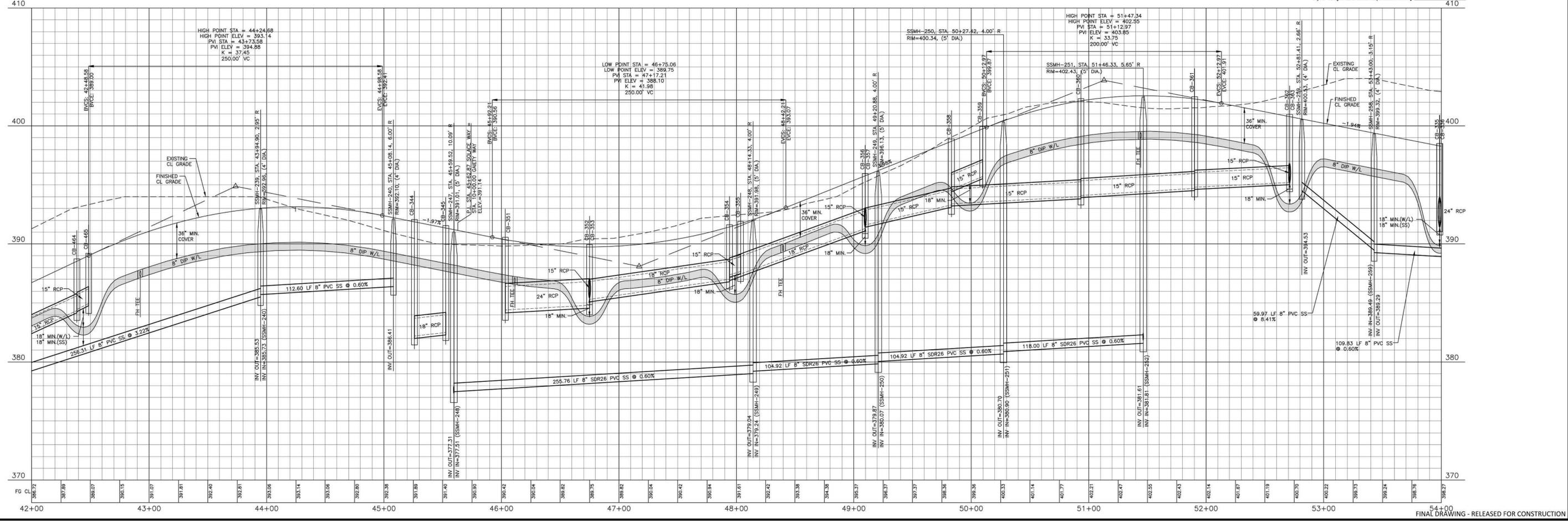


**GAIETY WAY**  
(50' PUBLIC R/W)  
SEE SHEET C5.14

# SOLACE WAY

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City of Raleigh Review Officer: \_\_\_\_\_

**SITE PERMITTING APPROVAL**  
Water and Sewer Permits (if applicable)  
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City of Raleigh Public Utilities Department Permit # \_\_\_\_\_



**McADAMS**  
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Durham, NC 27713  
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fax 919.361.2269  
license number: C-0293, C-187  
www.mcadamsco.com

**CLIENT**  
ASHTON RALEIGH RESIDENTIAL, LLC.  
5711 SIX FORKS ROAD, SUITE 300  
RALEIGH, NORTH CAROLINA 27609  
PHONE: 919.232.3695  
CONTACT: BOB MISHLER  
ASHTON WOODS

**REVISIONS**

NO.	DATE

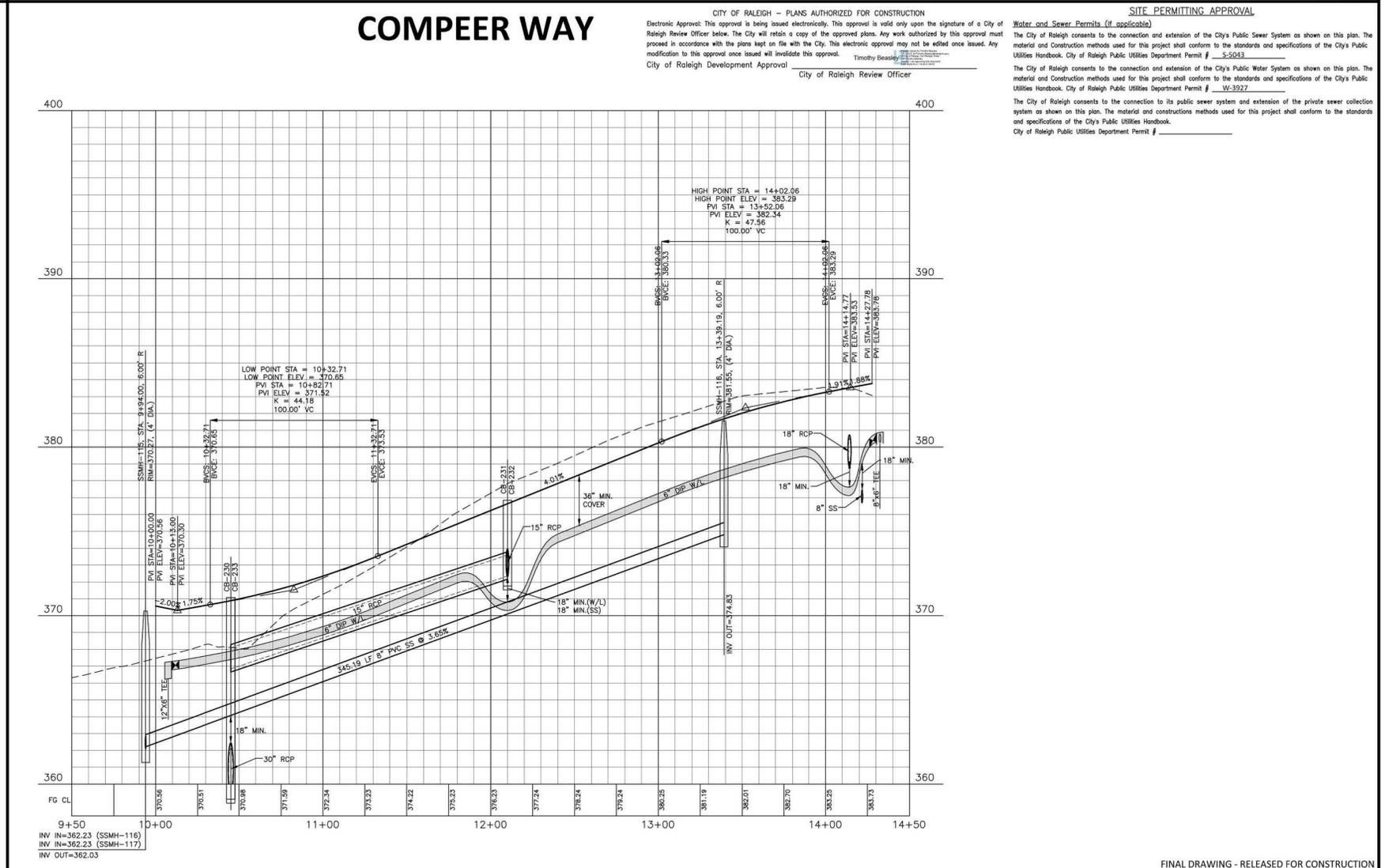
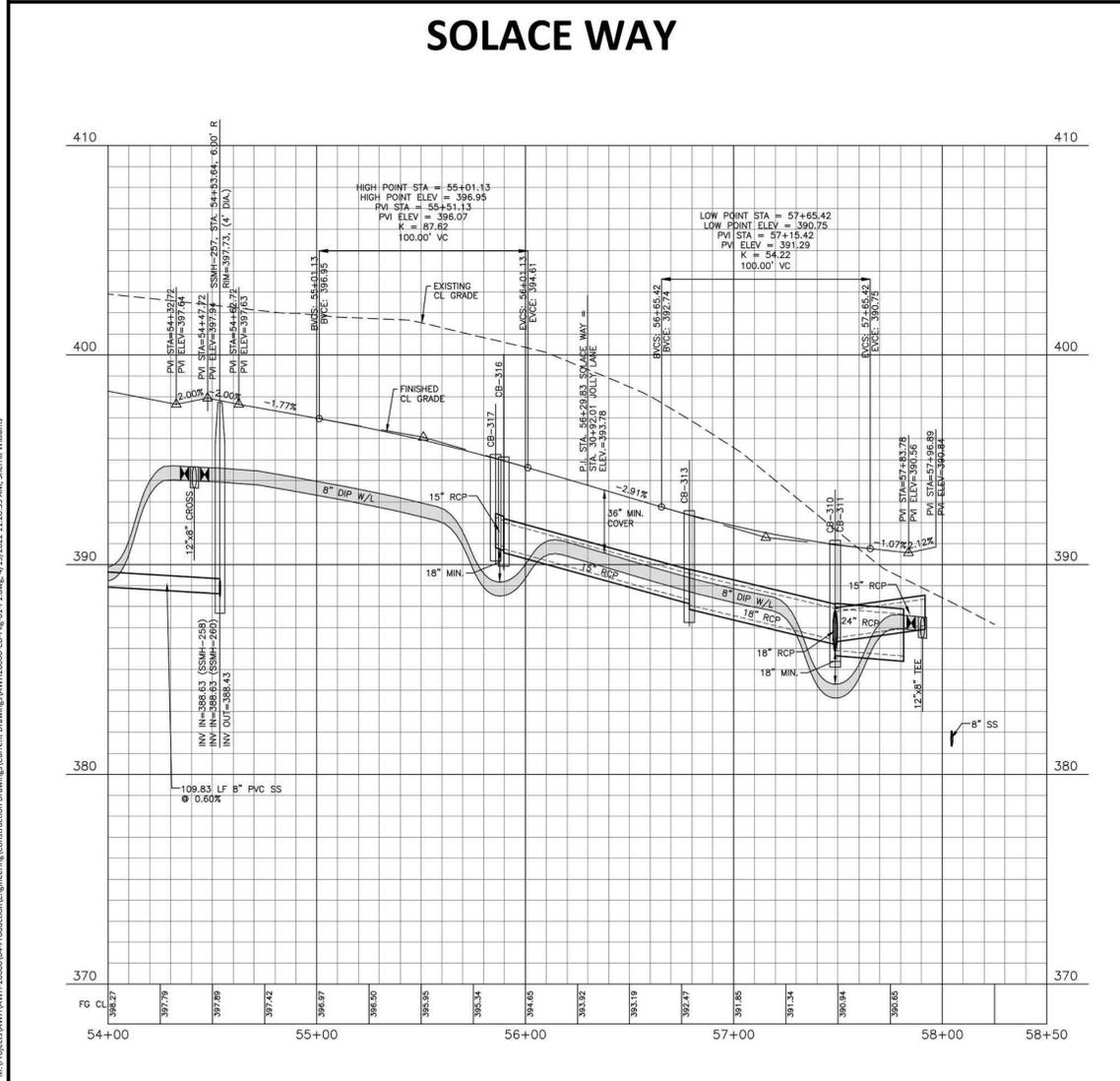
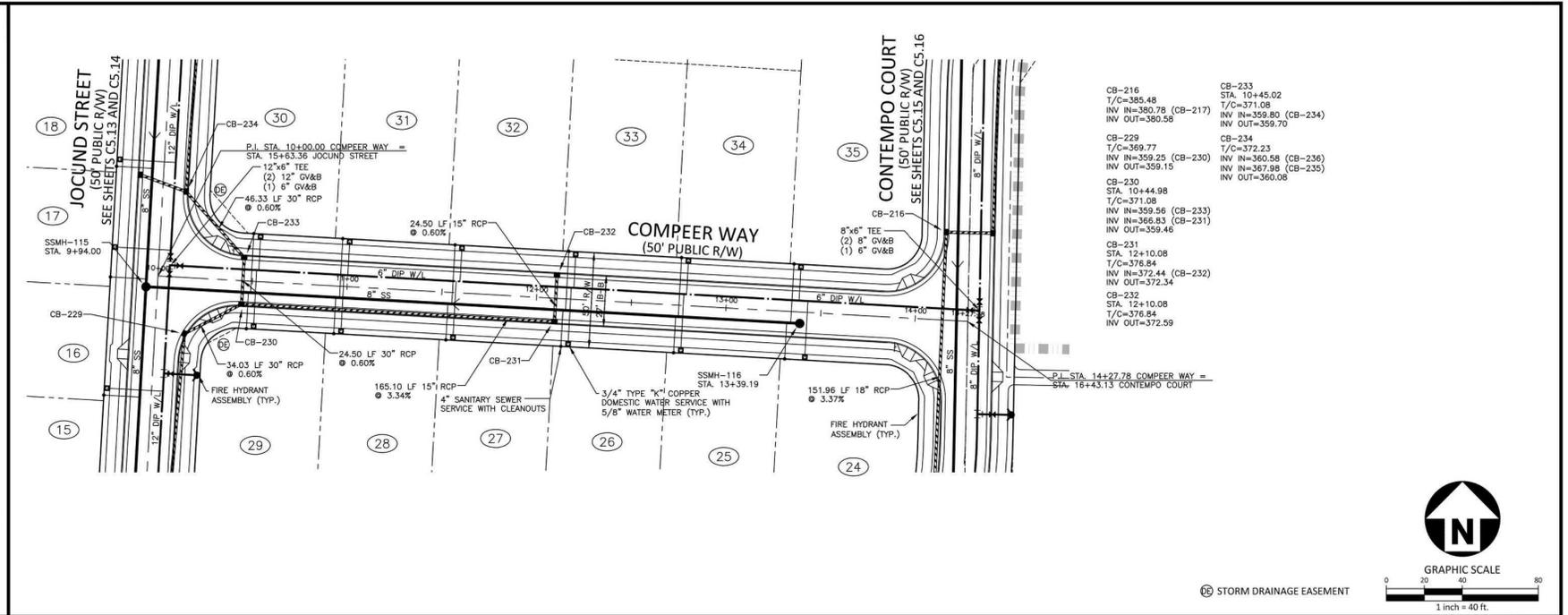
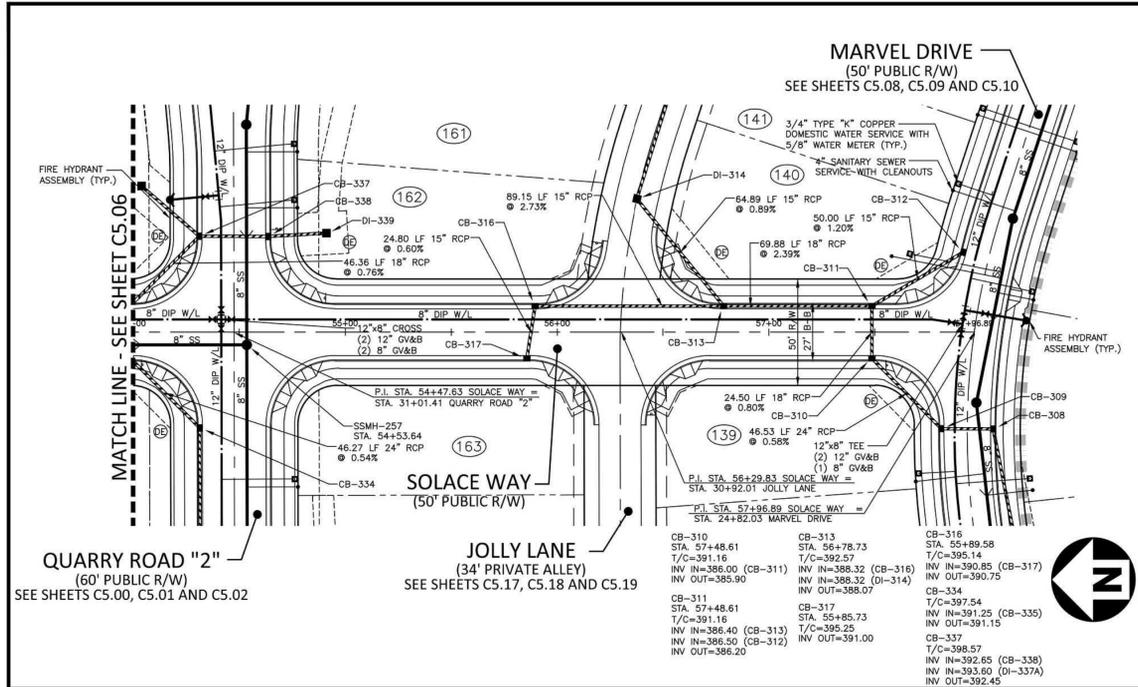
**PROFESSIONAL SEAL**  
NORTH CAROLINA PROFESSIONAL ENGINEER  
WILLIAM T. O'DANIEL  
Todd O'Daniel  
Apr 19 2022 1:04 PM

**THE POINT - PHASES 1, 2, 6 AND 9**  
CONSTRUCTION DRAWINGS - PACKAGE 1  
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,  
WAKE COUNTY, NORTH CAROLINA

**PLAN INFORMATION**

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-01-P1
CHECKED BY	WTO
DRAWN BY	SRW
SCALE	1"=40'/1"=4'
DATE	03.21.2022

**PLAN AND PROFILE**  
SOLACE WAY, STA. 42+00 THRU STA. 54+00  
**C5.06**



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

**CLIENT**  
ASHTON RALEIGH RESIDENTIAL, LLC.  
5711 SIX FORKS ROAD, SUITE 300  
RALEIGH, NORTH CAROLINA 27609  
PHONE: 919.232.3695  
CONTACT: BOB MISHLER

**ASHTON WOODS**

**REVISIONS**  
NO. DATE

**North Carolina Professional Engineer Seal:**  
WILLIAM T. O'DANIEL  
No. 22630

Todd O'Daniel  
Apr 19 2022 1:05 PM

**THE POINT - PHASES 1, 2, 6 AND 9**  
CONSTRUCTION DRAWINGS - PACKAGE 1  
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,  
WAKE COUNTY, NORTH CAROLINA

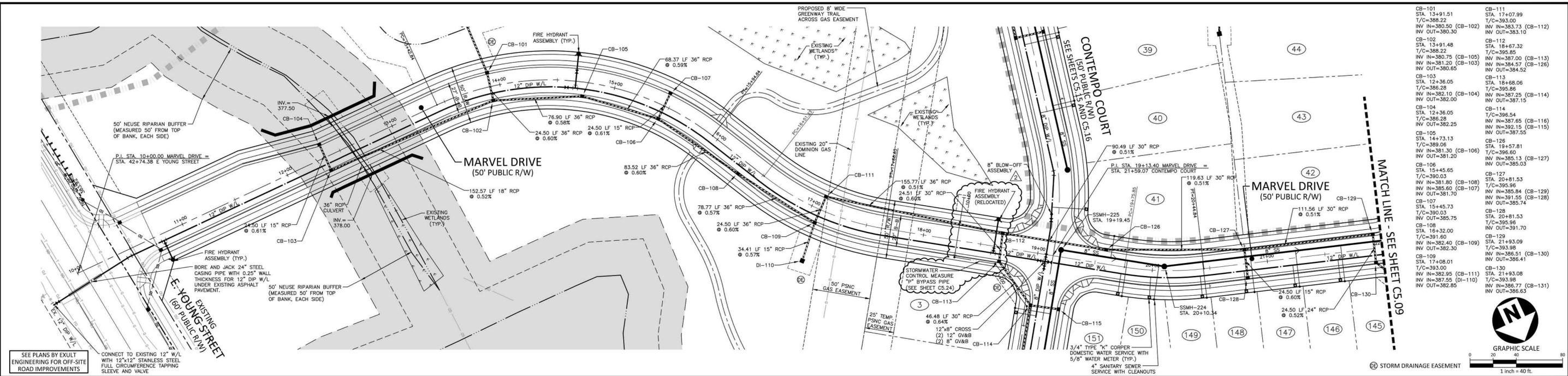
**PLAN INFORMATION**

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-01-P1
CHECKED BY	WTO
DRAWN BY	SRW
SCALE	1"=40'/1"=4'
DATE	03.21.2022

**PLAN AND PROFILE**  
SOLACE WAY, STA. 54+00 THRU STA. 58+00  
COMPEER WAY, STA. 10+00 THRU STA. 14+50

**C5.07**

FINAL DRAWING - RELEASED FOR CONSTRUCTION



**MARVEL DRIVE**

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION

Electronic Approval: This approval is being issued electronically. This approval is valid only upon the signature of a City of Raleigh Review Officer below. The City will retain a copy of the approved plans. Any work authorized by this approval must proceed in accordance with the plans kept on file with the City. This electronic approval may not be edited once issued. Any modification to this approval once issued will invalidate this approval.

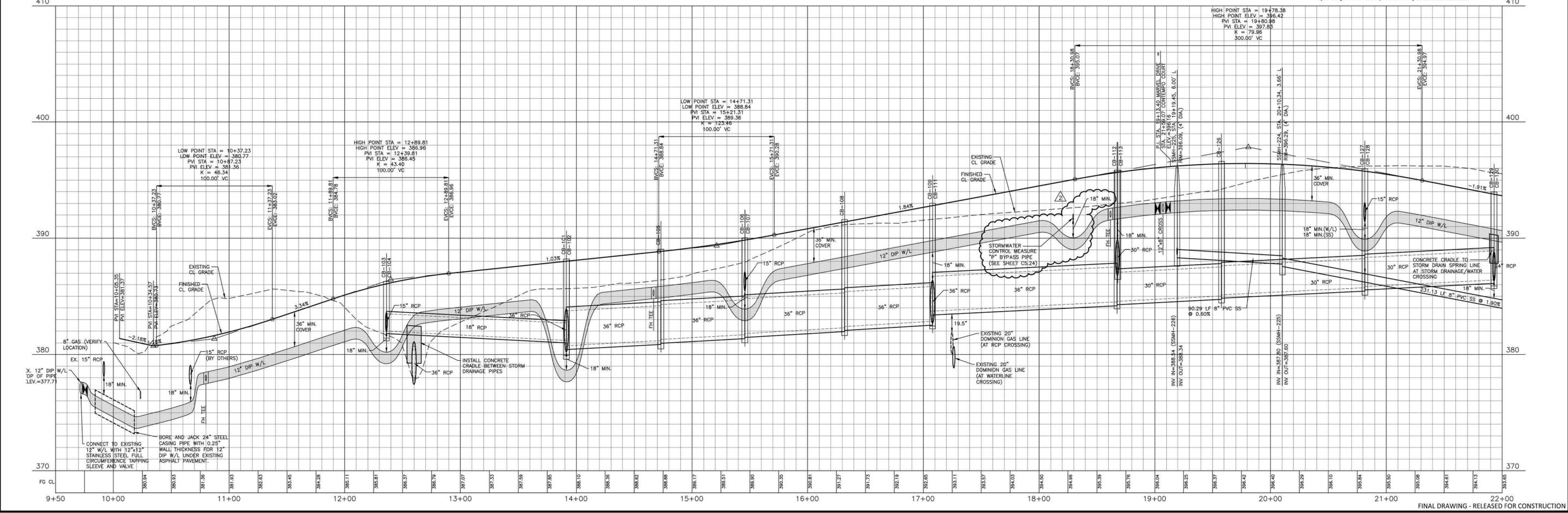
Timothy Beasley  
City of Raleigh Review Officer

SITING 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 # 5-5043

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 # 38-3927

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 # \_\_\_\_\_



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

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

www.mcadamsco.com

**CLIENT**  
ASHTON RALEIGH RESIDENTIAL, LLC.  
900 RIDGEMOUNT DRIVE, SUITE 335  
RALEIGH, NORTH CAROLINA 27609  
PHONE: 919. 422. 7663  
CONTACT: BOB MISHLER

ASHTON WOODS

**REVISIONS**

NO.	DATE	REVISION
1	07.13.2022	REVISED PER GAS LINE FIELD OBSERVATIONS
2	03.07.2023	ADDED SCM *P* AND BYPASS PIPE, RELOCATED FIRE HYDRANT

William T O'Daniel  
cn=William T O'Daniel, c=US,  
o=North Carolina,  
email=wdaniel@mcadamsco.com  
2023.03.20 12:32:36 -04'00'

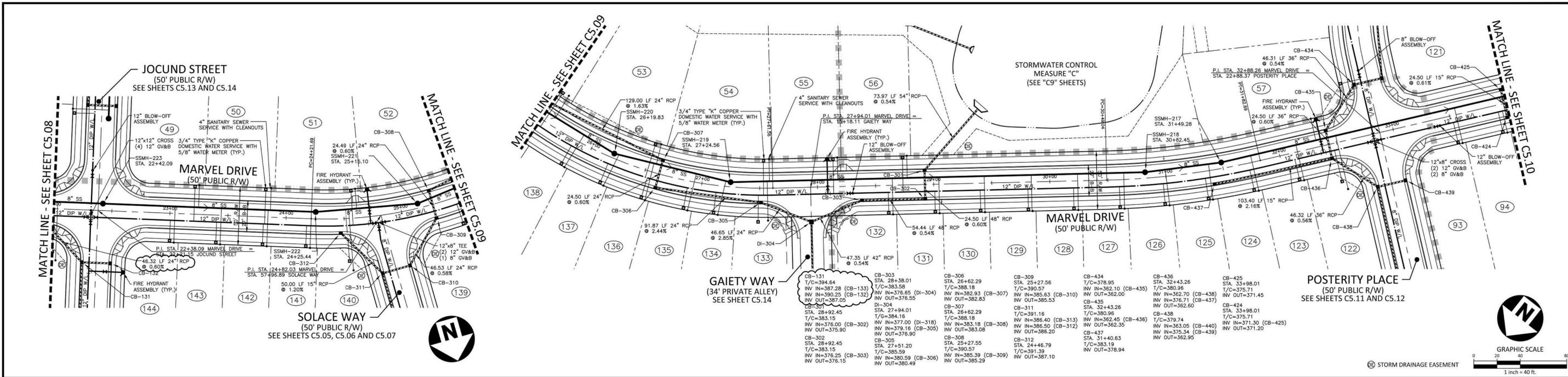
**THE POINT - PHASES 1, 2, 6 AND 9**  
**CONSTRUCTION DRAWINGS - PACKAGE 1**  
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,  
WAKE COUNTY, NORTH CAROLINA

**PLAN INFORMATION**

PROJECT NO. AWH-20000  
FILENAME AWH20000-CD-PKG-01-P1  
CHECKED BY WTO  
DRAWN BY SRW  
SCALE 1"=40'/1"=4'  
DATE 03.21.2022

**PLAN AND PROFILE**  
MARVEL DRIVE, STA. 10+00 THRU STA. 22+00

C5.08



# MARVEL DRIVE

**CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION**

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City of Raleigh Development Approval: **Timothy Beasley**

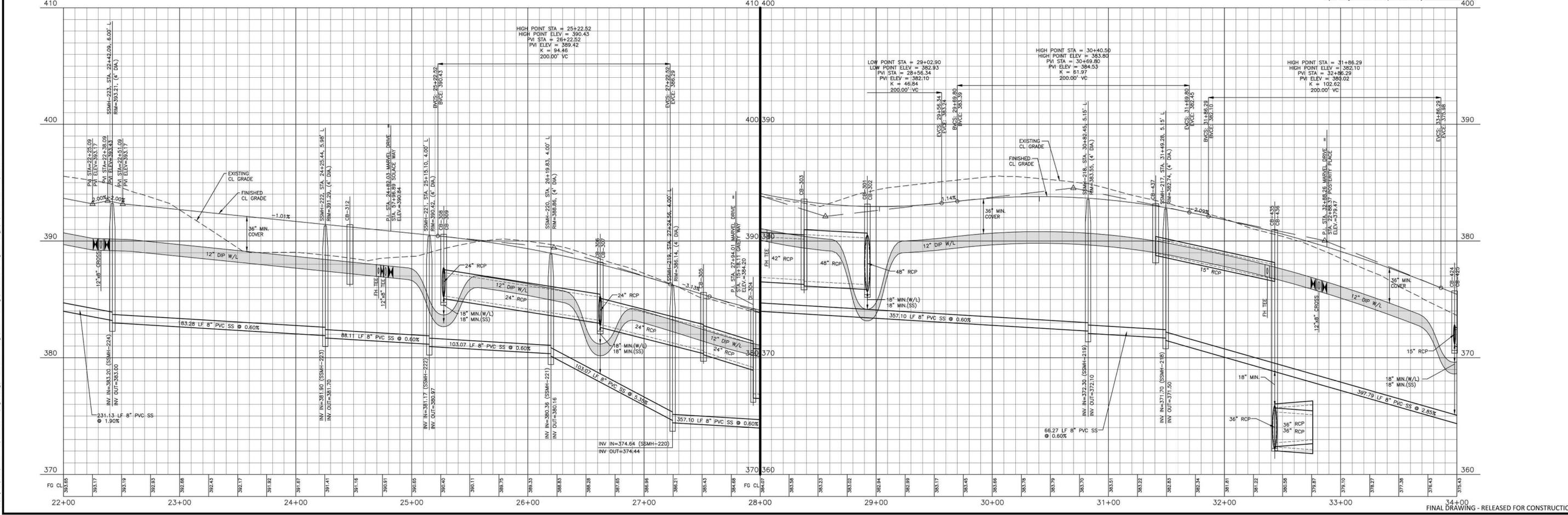
City of Raleigh Review Officer: \_\_\_\_\_

**SITE PERMITTING APPROVAL**

Water and Sewer Permits (if applicable): This approval is for 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 # 5-5043.

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 # 31-3327.

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 # \_\_\_\_\_.



**McADAMS**

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

**ASHTON WOODS**

**REVISIONS**

NO.	DATE	REVISION
1	07.13.2022	REVISED PER GAS LINE FIELD OBSERVATIONS

**PROFESSIONAL SEAL**  
NORTH CAROLINA  
SEAL  
22630  
ENGINEER  
WILLIAM T. O'DANIEL

Todd O'Daniel  
Jul 13 2022 2:03 PM

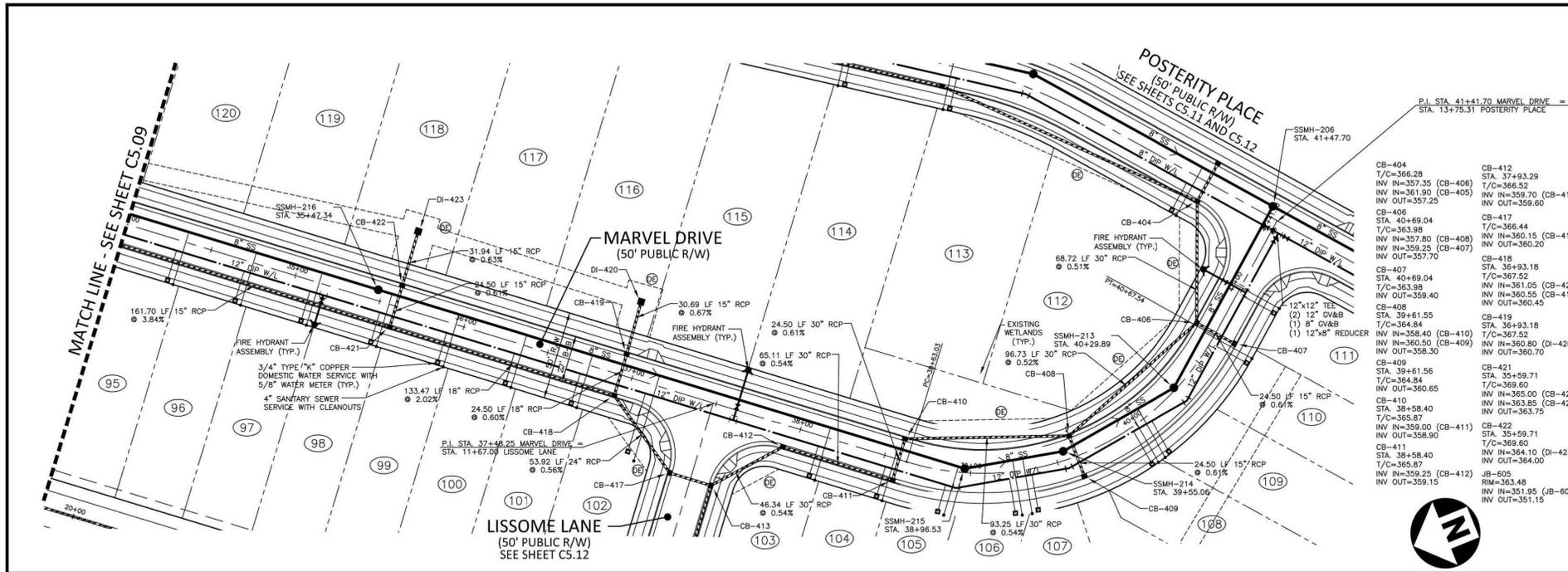
**THE POINT - PHASES 1, 2, 6 AND 9**  
**CONSTRUCTION DRAWINGS - PACKAGE 1**  
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,  
WAKE COUNTY, NORTH CAROLINA

**PLAN INFORMATION**

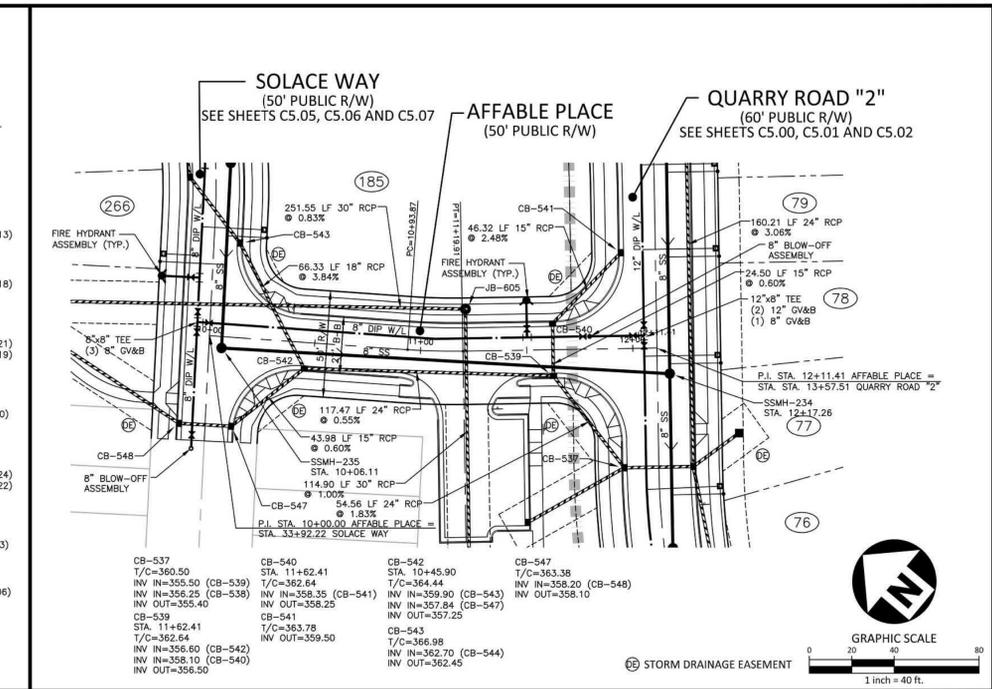
PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-01-P1
CHECKED BY	WTO
DRAWN BY	SRW
SCALE	1"=40'/1"=4'
DATE	03.21.2022

**PLAN AND PROFILE**  
MARVEL DRIVE, STA. 22+00 THRU STA. 34+00

# C5.09



### MARVEL DRIVE



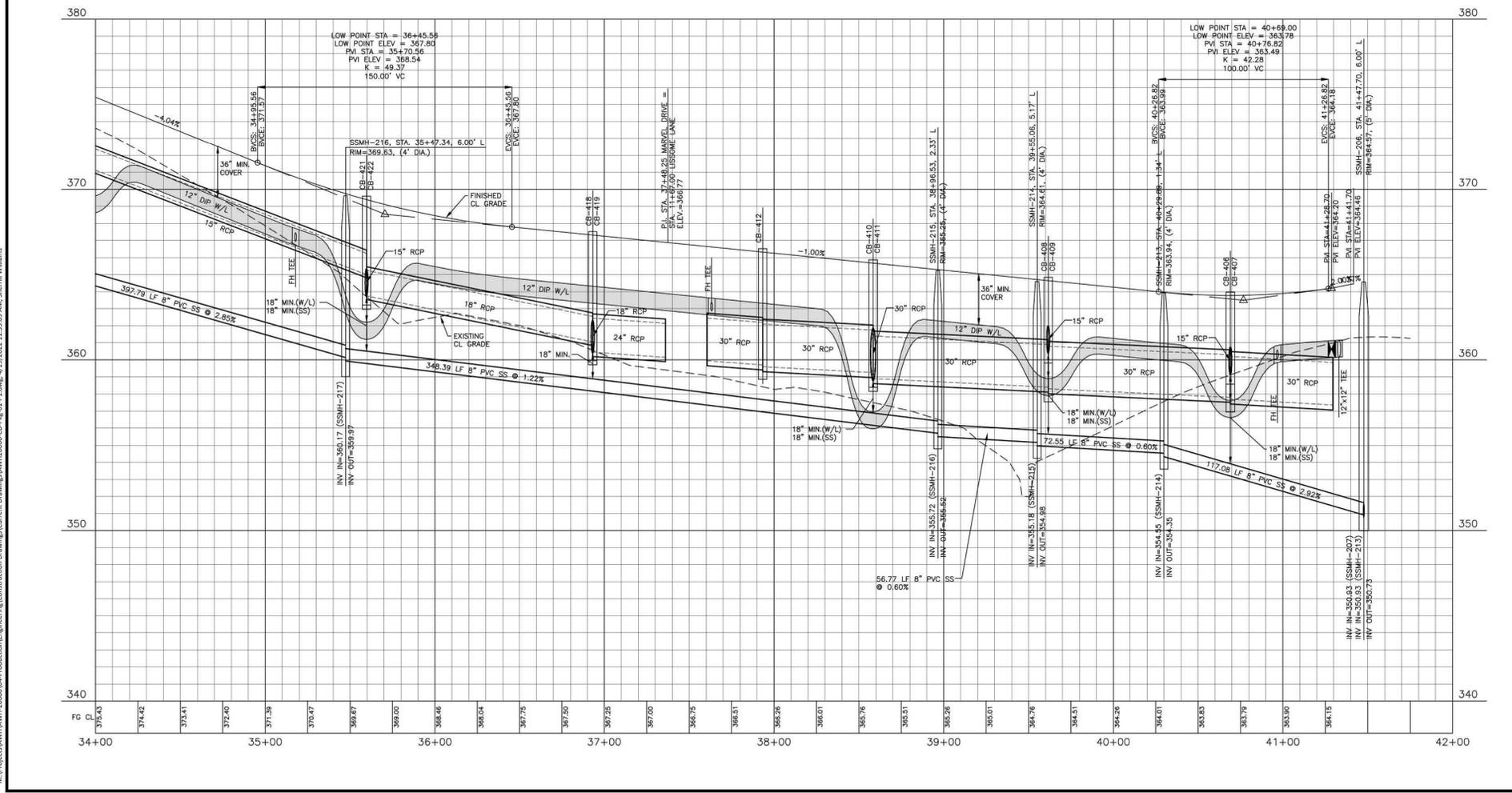
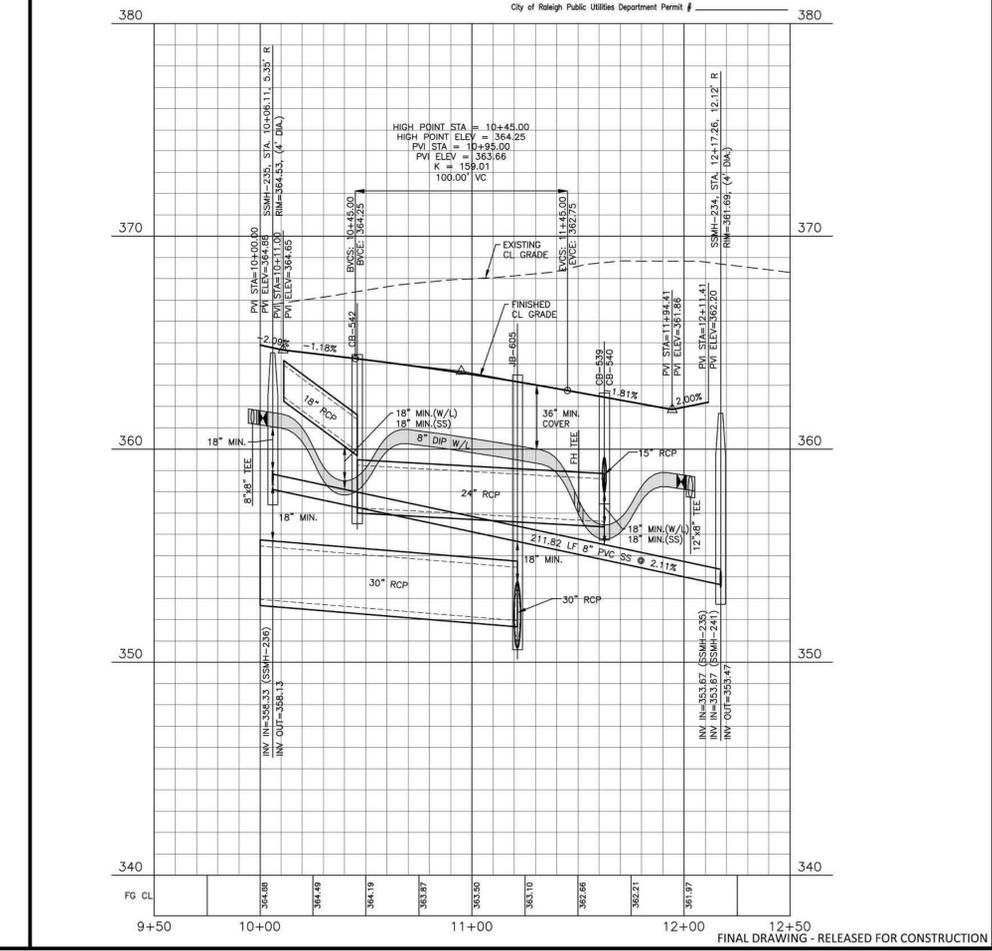
### AFFABLE PLACE

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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 City of Raleigh Public Utilities Department Permit #



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

**ASHTON WOODS**

**REVISIONS**  
 NO. DATE

1  
 2  
 3

**PROFESSIONAL SEAL**  
 WILLIAM T. O'DANIEL  
 ENGINEER  
 No. 22630

Todd O'Daniel  
 Apr 19 2022 1:06 PM

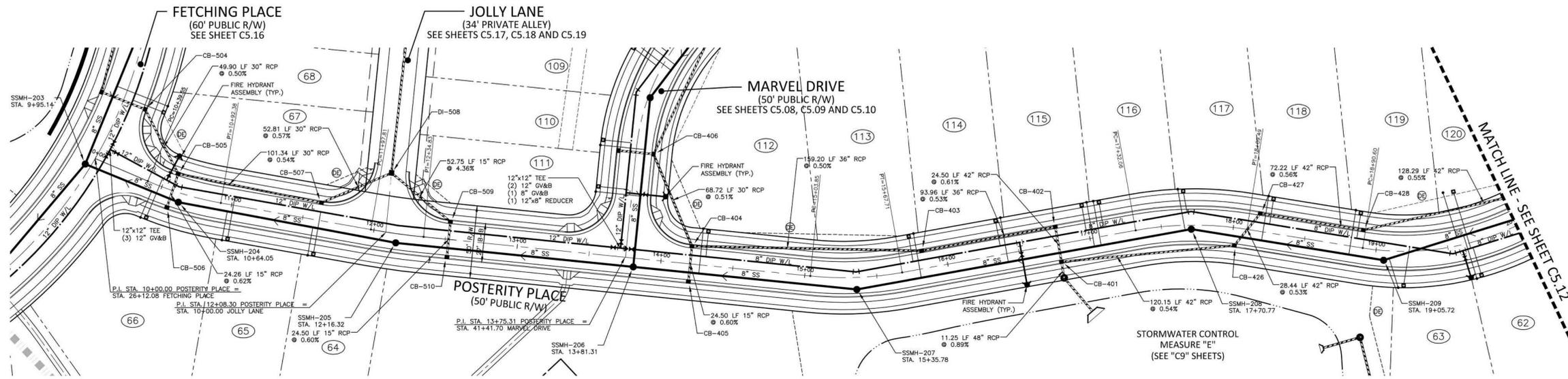
**THE POINT - PHASES 1, 2, 6 AND 9**  
 CONSTRUCTION DRAWINGS - PACKAGE 1  
 TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,  
 WAKE COUNTY, NORTH CAROLINA

**PLAN INFORMATION**

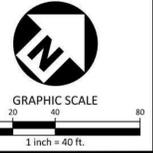
PROJECT NO. AWH-20000  
 FILENAME AWH20000-CD-PKG-01-P1  
 CHECKED BY WTO  
 DRAWN BY SRW  
 SCALE 1"=40'/1"=4'  
 DATE 03. 21. 2022

**PLAN AND PROFILE**  
 MARVEL DRIVE, STA. 34+00 THRU STA. 42+00  
 AFFABLE PLACE, STA. 10+00 THRU STA. 12+50

**C5.10**



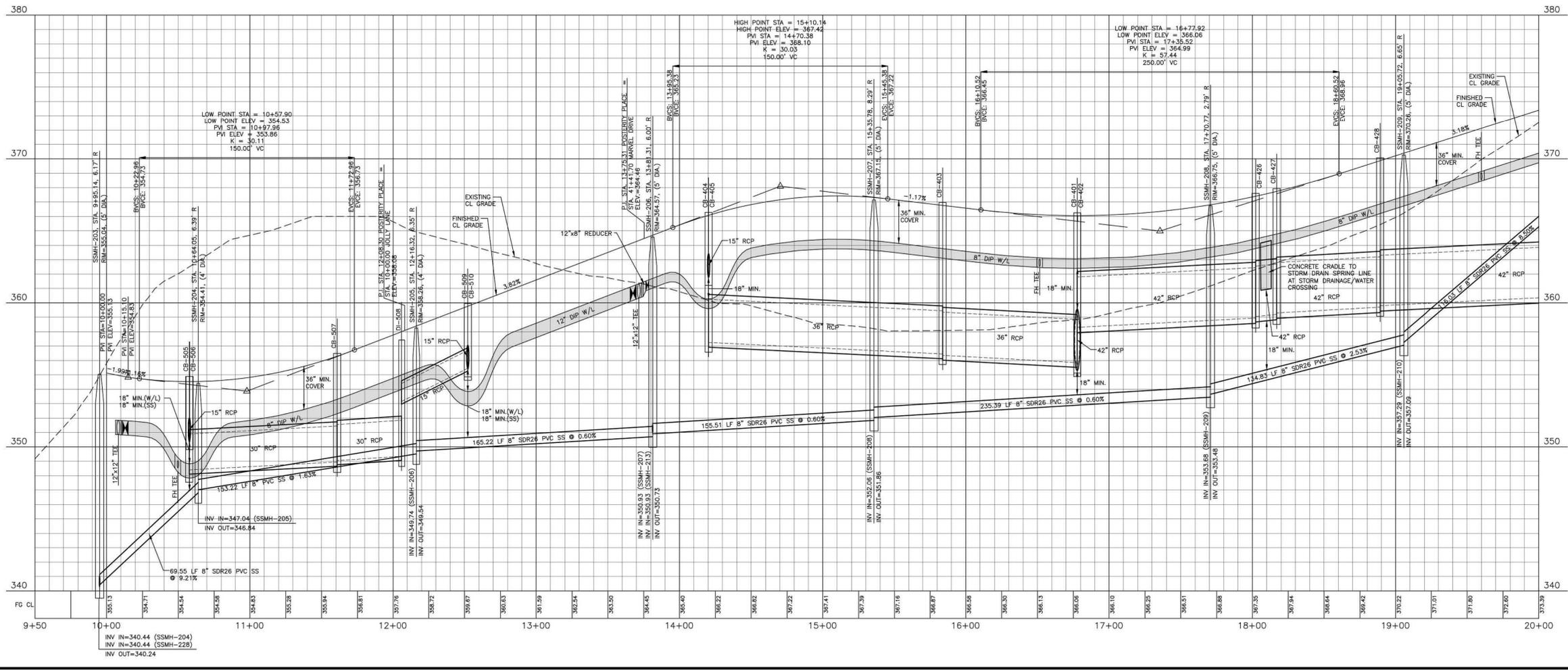
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(CB-402) INV OUT=355.95 STA. 18+02.24 T/C=367.60 INV IN=359.05 (CB-427) INV IN=356.95 (CB-428) INV OUT=359.25	CB-404 T/C=366.28 INV IN=358.30 (CB-426) INV IN=355.50 (CB-402) INV OUT=355.95 STA. 18+02.24 T/C=367.60 INV IN=359.05 (CB-427) INV IN=356.95 (CB-428) INV OUT=359.25	CB-405 T/C=366.28 INV IN=358.30 (CB-426) INV IN=355.50 (CB-402) INV OUT=355.95 STA. 18+02.24 T/C=367.60 INV IN=359.05 (CB-427) INV IN=356.95 (CB-428) INV OUT=359.25	CB-406 T/C=366.28 INV IN=358.30 (CB-426) INV IN=355.50 (CB-402) INV OUT=355.95 STA. 18+02.24 T/C=367.60 INV IN=359.05 (CB-427) INV IN=356.95 (CB-428) INV OUT=359.25	CB-407 T/C=366.28 INV IN=358.30 (CB-426) INV IN=355.50 (CB-402) INV OUT=355.95 STA. 18+02.24 T/C=367.60 INV IN=359.05 (CB-427) INV IN=356.95 (CB-428) INV OUT=359.25	CB-408 T/C=366.28 INV IN=358.30 (CB-426) INV IN=355.50 (CB-402) INV OUT=355.95 STA. 18+02.24 T/C=367.60 INV IN=359.05 (CB-427) INV IN=356.95 (CB-428) INV OUT=359.25	CB-409 T/C=366.28 INV IN=358.30 (CB-426) INV IN=355.50 (CB-402) INV OUT=355.95 STA. 18+02.24 T/C=367.60 INV IN=359.05 (CB-427) INV IN=356.95 (CB-428) INV OUT=359.25	CB-410 T/C=366.28 INV IN=358.30 (CB-426) INV IN=355.50 (CB-402) INV OUT=355.95 STA. 18+02.24 T/C=367.60 INV IN=359.05 (CB-427) INV IN=356.95 (CB-428) INV OUT=359.25	CB-411 T/C=366.28 INV IN=358.30 (CB-426) INV IN=355.50 (CB-402) INV OUT=355.95 STA. 18+02.24 T/C=367.60 INV IN=359.05 (CB-427) INV IN=356.95 (CB-428) INV OUT=359.25	CB-412 T/C=366.28 INV IN=358.30 (CB-426) INV IN=355.50 (CB-402) INV OUT=355.95 STA. 18+02.24 T/C=367.60 INV IN=359.05 (CB-427) INV IN=356.95 (CB-428) INV OUT=359.25	CB-413 T/C=366.28 INV IN=358.30 (CB-426) INV IN=355.50 (CB-402) INV OUT=355.95 STA. 18+02.24 T/C=367.60 INV IN=359.05 (CB-427) INV IN=356.95 (CB-428) INV OUT=359.25	CB-414 T/C=366.28 INV IN=358.30 (CB-426) INV IN=355.50 (CB-402) INV OUT=355.95 STA. 18+02.24 T/C=367.60 INV IN=359.05 (CB-427) INV IN=356.95 (CB-428) INV OUT=359.25	CB-415 T/C=366.28 INV IN=358.30 (CB-426) INV IN=355.50 (CB-402) INV OUT=355.95 STA. 18+02.24 T/C=367.60 INV IN=359.05 (CB-427) INV IN=356.95 (CB-428) INV OUT=359.25	CB-416 T/C=366.28 INV IN=358.30 (CB-426) INV IN=355.50 (CB-402) INV OUT=355.95 STA. 18+02.24 T/C=367.60 INV IN=359.05 (CB-427) INV IN=356.95 (CB-428) INV OUT=359.25	CB-417 T/C=366.28 INV IN=358.30 (CB-426) INV IN=355.50 (CB-402) INV OUT=355.95 STA. 18+02.24 T/C=367.60 INV IN=359.05 (CB-427) INV IN=356.95 (CB-428) INV OUT=359.25	CB-418 T/C=366.28 INV IN=358.30 (CB-426) INV IN=355.50 (CB-402) INV OUT=355.95 STA. 18+02.24 T/C=367.60 INV IN=359.05 (CB-427) INV IN=356.95 (CB-428) INV OUT=359.25	CB-419 T/C=366.28 INV IN=358.30 (CB-426) INV IN=355.50 (CB-402) INV OUT=355.95 STA. 18+02.24 T/C=367.60 INV IN=359.05 (CB-427) INV IN=356.95 (CB-428) INV OUT=359.25	CB-420 T/C=366.28 INV IN=358.30 (CB-426) INV IN=355.50 (CB-402) INV OUT=355.95 STA. 18+02.24 T/C=367.60 INV IN=359.05 (CB-427) INV IN=356.95 (CB-428) INV OUT=359.25	CB-421 T/C=366.28 INV IN=358.30 (CB-426) INV IN=355.50 (CB-402) INV OUT=355.95 STA. 18+02.24 T/C=367.60 INV IN=359.05 (CB-427) INV IN=356.95 (CB-428) INV OUT=359.25	CB-422 T/C=366.28 INV IN=358.30 (CB-426) INV IN=355.50 (CB-402) INV OUT=355.95 STA. 18+02.24 T/C=367.60 INV IN=359.05 (CB-427) INV IN=356.95 (CB-428) INV OUT=359.25	CB-423 T/C=366.28 INV IN=358.30 (CB-426) INV IN=355.50 (CB-402) INV OUT=355.95 STA. 18+02.24 T/C=367.60 INV IN=359.05 (CB-427) INV IN=356.95 (CB-428) INV OUT=359.25	CB-424 T/C=366.28 INV IN=358.30 (CB-426) INV IN=355.50 (CB-402) INV OUT=355.95 STA. 18+02.24 T/C=367.60 INV IN=359.05 (CB-427) INV IN=356.95 (CB-428) INV OUT=359.25	CB-425 T/C=366.28 INV IN=358.30 (CB-426) INV IN=355.50 (CB-402) INV OUT=355.95 STA. 18+02.24 T/C=367.60 INV IN=359.05 (CB-427) INV IN=356.95 (CB-428) INV OUT=359.25	CB-426 T/C=366.28 INV IN=358.30 (CB-426) INV IN=355.50 (CB-402) INV OUT=355.95 STA. 18+02.24 T/C=367.60 INV IN=359.05 (CB-427) INV IN=356.95 (CB-428) INV OUT=359.25	CB-427 T/C=366.28 INV IN=358.30 (CB-426) INV IN=355.50 (CB-402) INV OUT=355.95 STA. 18+02.24 T/C=367.60 INV IN=359.05 (CB-427) INV IN=356.95 (CB-428) INV OUT=359.25	CB-428 T/C=366.28 INV IN=358.30 (CB-426) INV IN=355.50 (CB-402) INV OUT=355.95 STA. 18+02.24 T/C=367.60 INV IN=359.05 (CB-427) INV IN=356.95 (CB-428) INV OUT=359.25	CB-429 T/C=366.28 INV IN=358.30 (CB-426) INV IN=355.50 (CB-402) INV OUT=355.95 STA. 18+02.24 T/C=367.60 INV IN=359.05 (CB-427) INV IN=356.95 (CB-428) INV OUT=359.25	CB-430 T/C=366.28 INV IN=358.30 (CB-426) INV IN=355.50 (CB-402) INV OUT=355.95 STA. 18+02.24 T/C=367.60 INV IN=359.05 (CB-427) INV IN=356.95 (CB-428) INV OUT=359.25
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# POSTERITY PLACE

**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 Permit # 5-5043



FINAL DRAWING - RELEASED FOR CONSTRUCTION

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 CONTACT: BOB MISHLER  
 ASHTON WOODS.

**REVISIONS**  
 NO. DATE

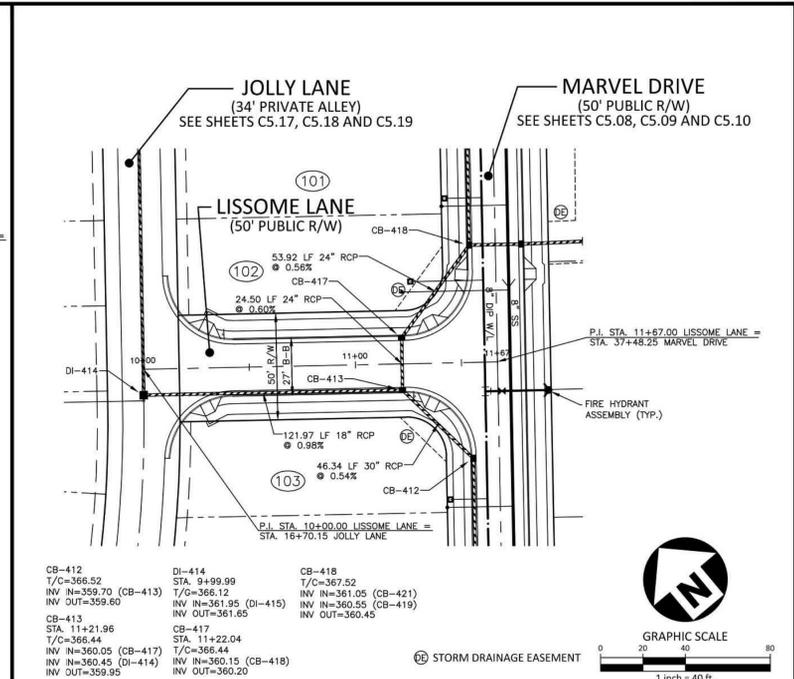
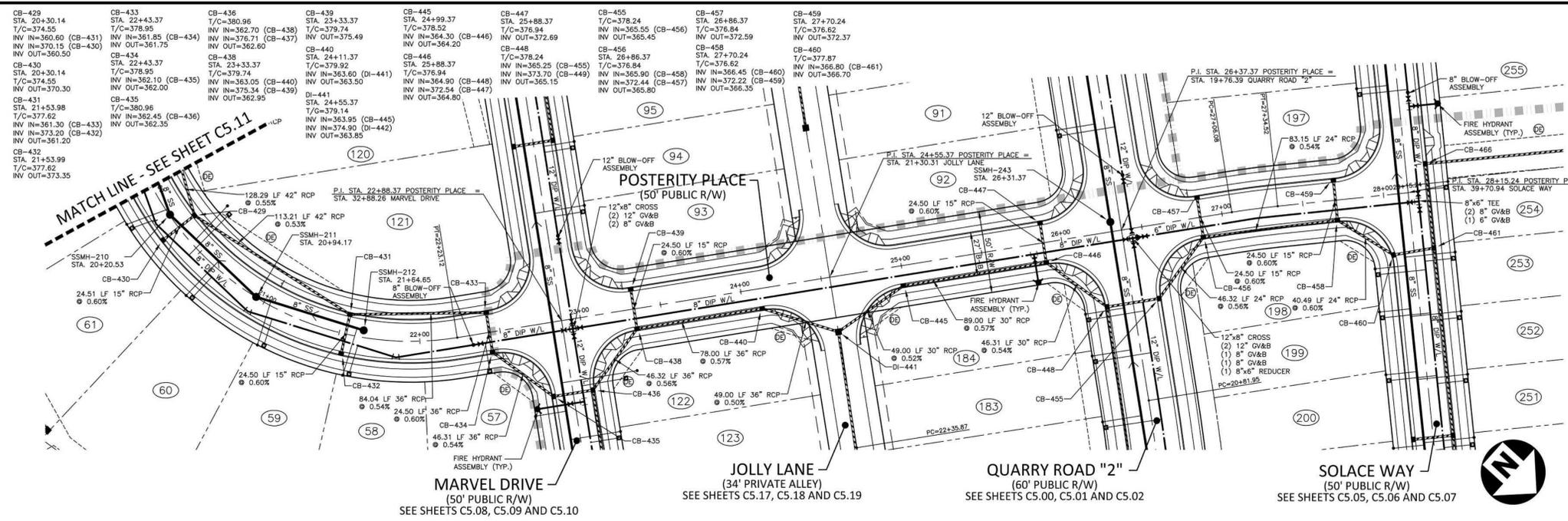
**THE POINT - PHASES 1, 2, 6 AND 9**  
 CONSTRUCTION DRAWINGS - PACKAGE 1  
 TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,  
 WAKE COUNTY, NORTH CAROLINA

Todd O'Daniel  
 Apr 19 2022 1:07 PM

**PLAN INFORMATION**  
 PROJECT NO. AWH-20000  
 FILENAME AWH20000-CD-PKG-01-P1  
 CHECKED BY WTO  
 DRAWN BY SRW  
 SCALE 1"=40'/1"=4'  
 DATE 03. 21. 2022

**PLAN AND PROFILE**  
 POSTERITY PLACE, STA. 10+00 THRU STA. 20+00

# C5.11



# POSTERTY PLACE

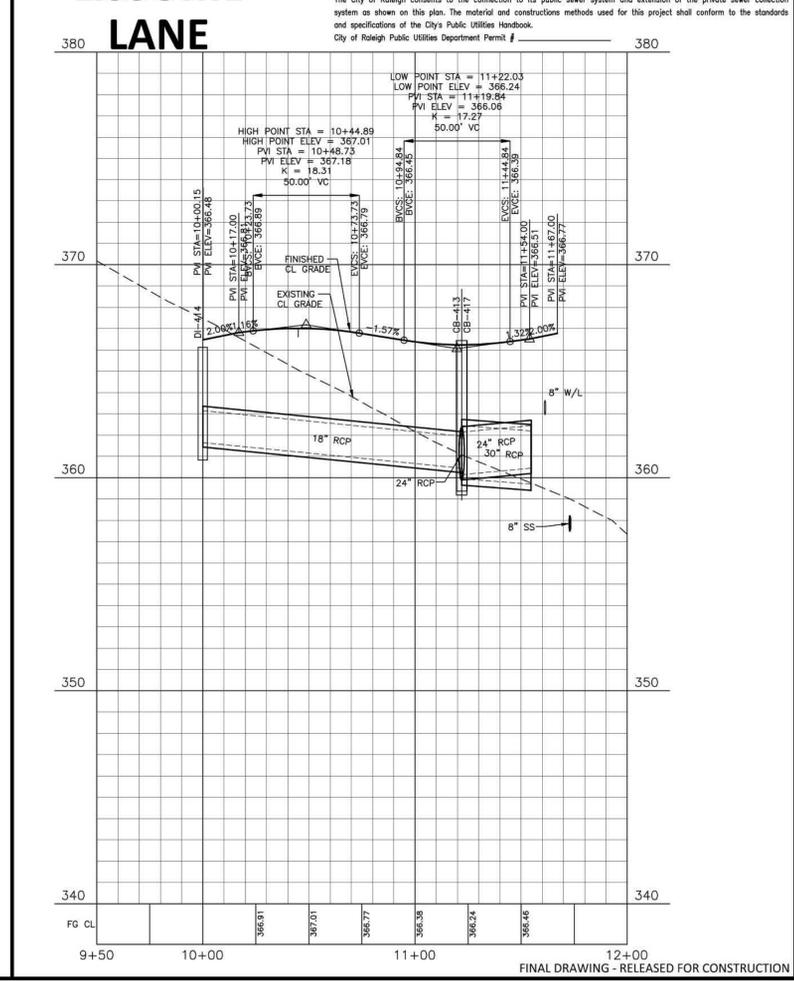
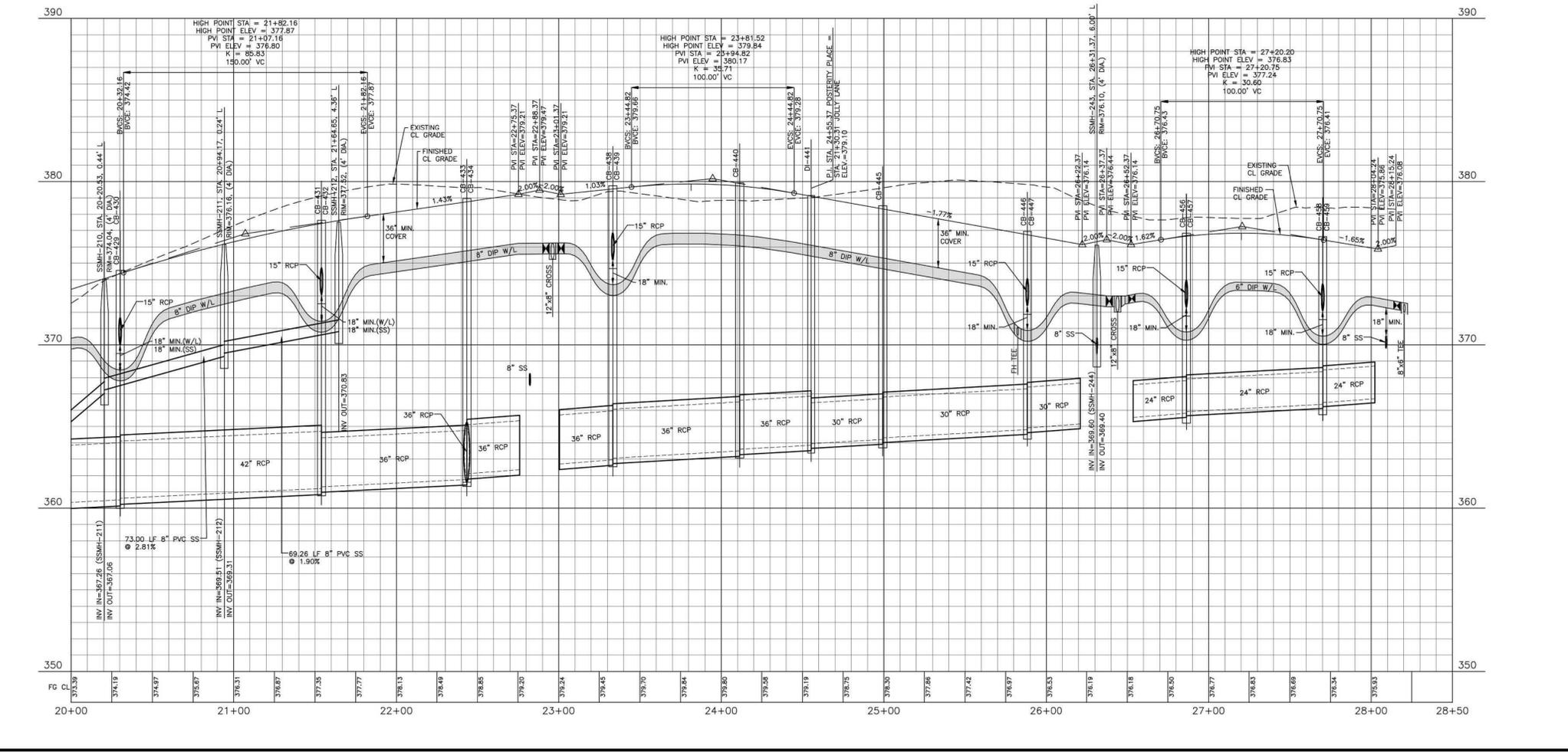


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 City of Raleigh Development Approval

**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'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 # 30-3922

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 #



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

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

**ASHTON WOODS**

**REVISIONS**  
 NO. DATE

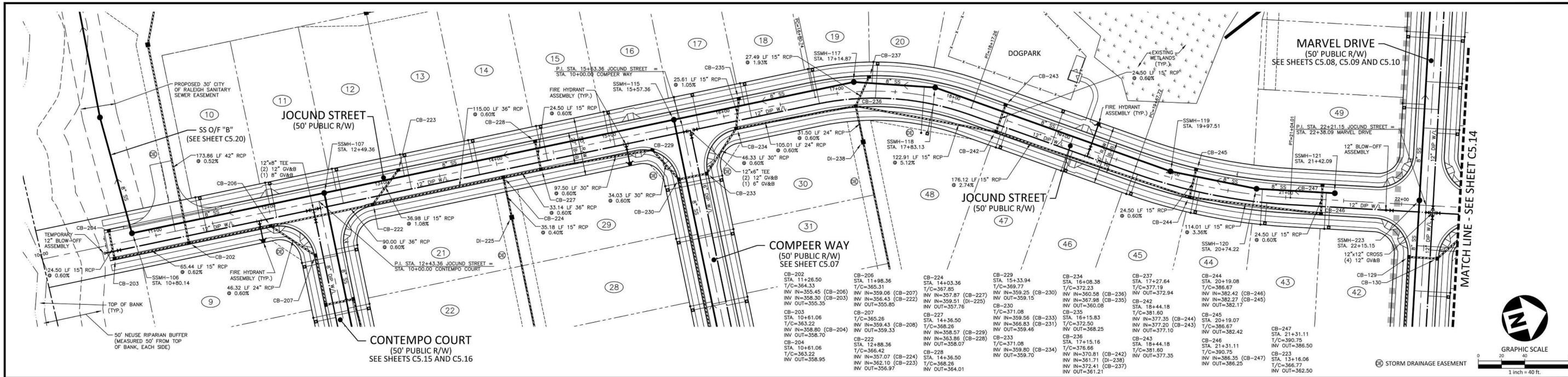
**PROFESSIONAL SEAL**  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 22630  
 WILLIAM T. O'DANIEL  
 Todd O'Daniel  
 Apr 19 2022 1:07 PM

**THE POINT - PHASES 1, 2, 6 AND 9**  
**CONSTRUCTION DRAWINGS - PACKAGE 1**  
 TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,  
 WAKE COUNTY, NORTH CAROLINA

**PLAN INFORMATION**  
 PROJECT NO. AWH-20000  
 FILENAME AWH20000-CD-PKG-01-P1  
 CHECKED BY WTO  
 DRAWN BY SRW  
 SCALE 1"=40'/1"=4'  
 DATE 03. 21. 2022

**PLAN AND PROFILE**  
 POSTERTY PLACE, STA. 20+00 THRU STA. 28+50  
 LISSOME LANE, STA. 10+00 THRU STA. 12+00

# C5.12



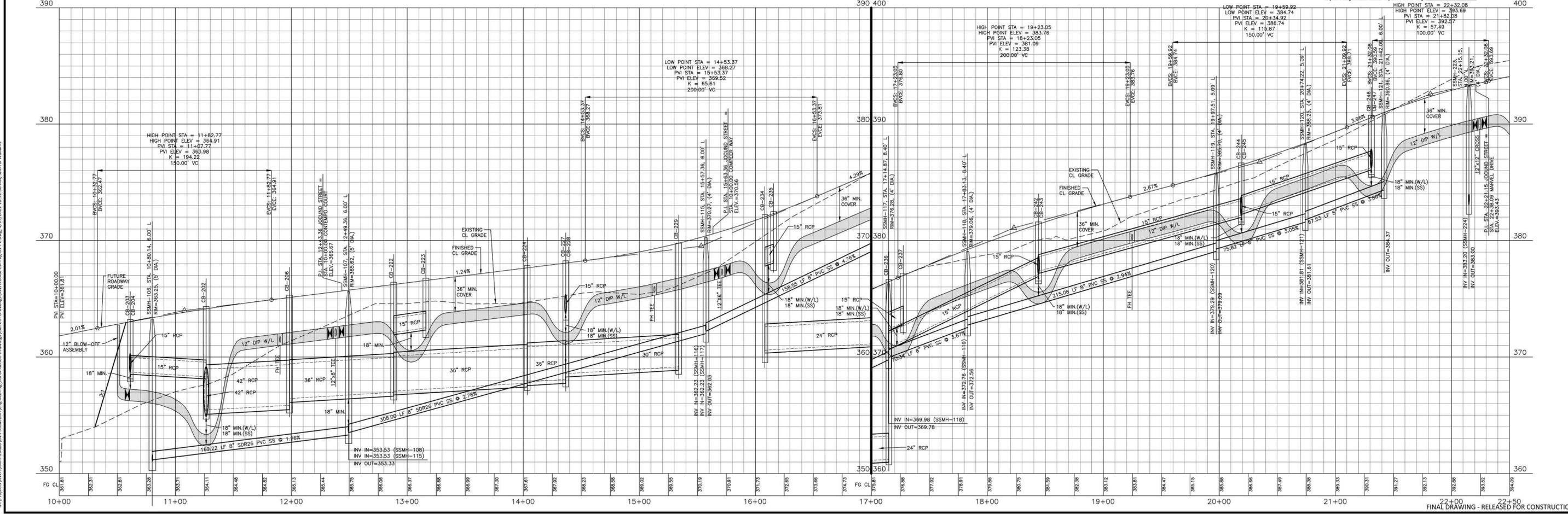
# JOCUND STREET

**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 # 5-5043

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 # 10-3922

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 # \_\_\_\_\_



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 RALEIGH, NORTH CAROLINA 27609  
 PHONE: 919. 232. 3695  
 CONTACT: BOB MISHLER

**REVISIONS**  
 NO. DATE

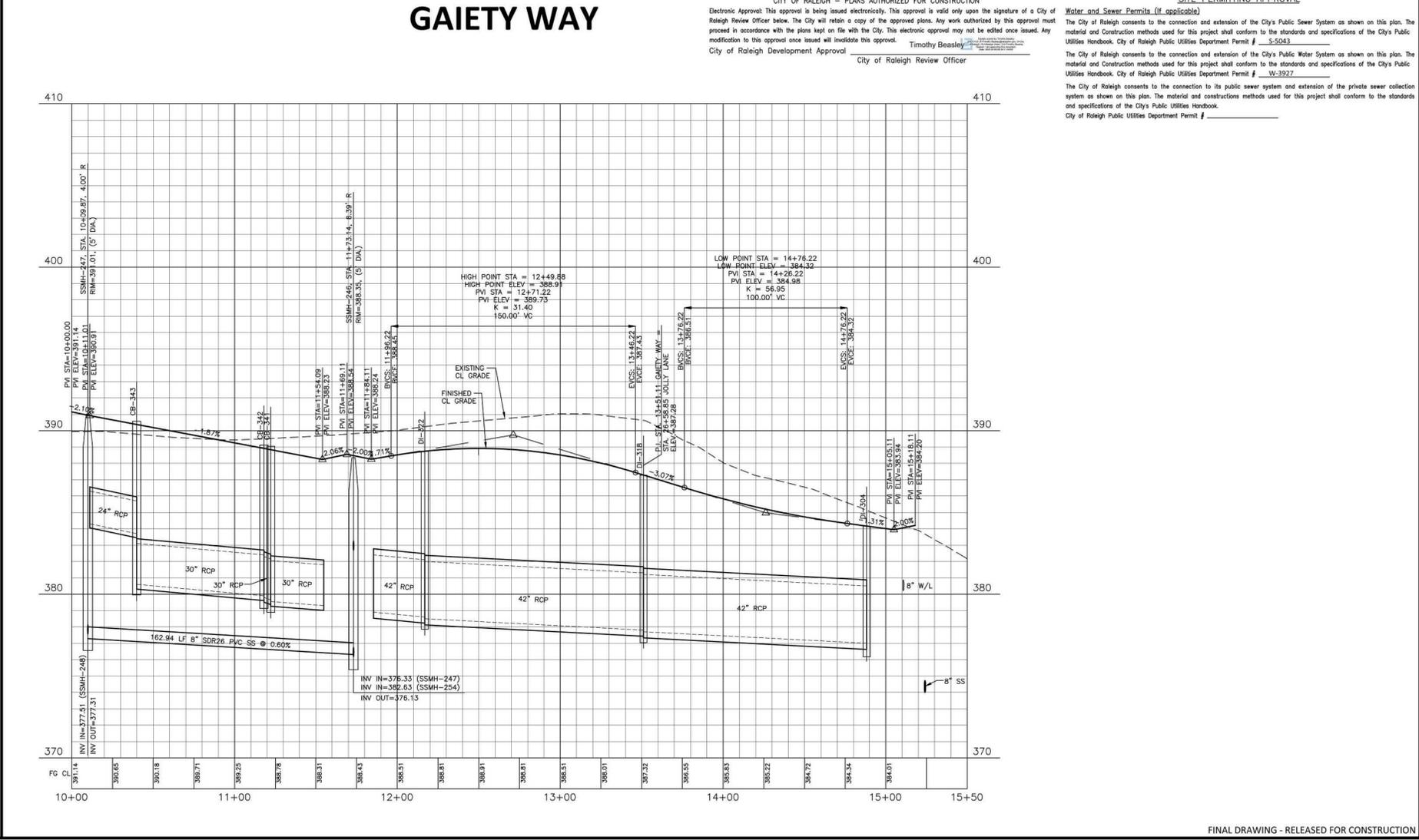
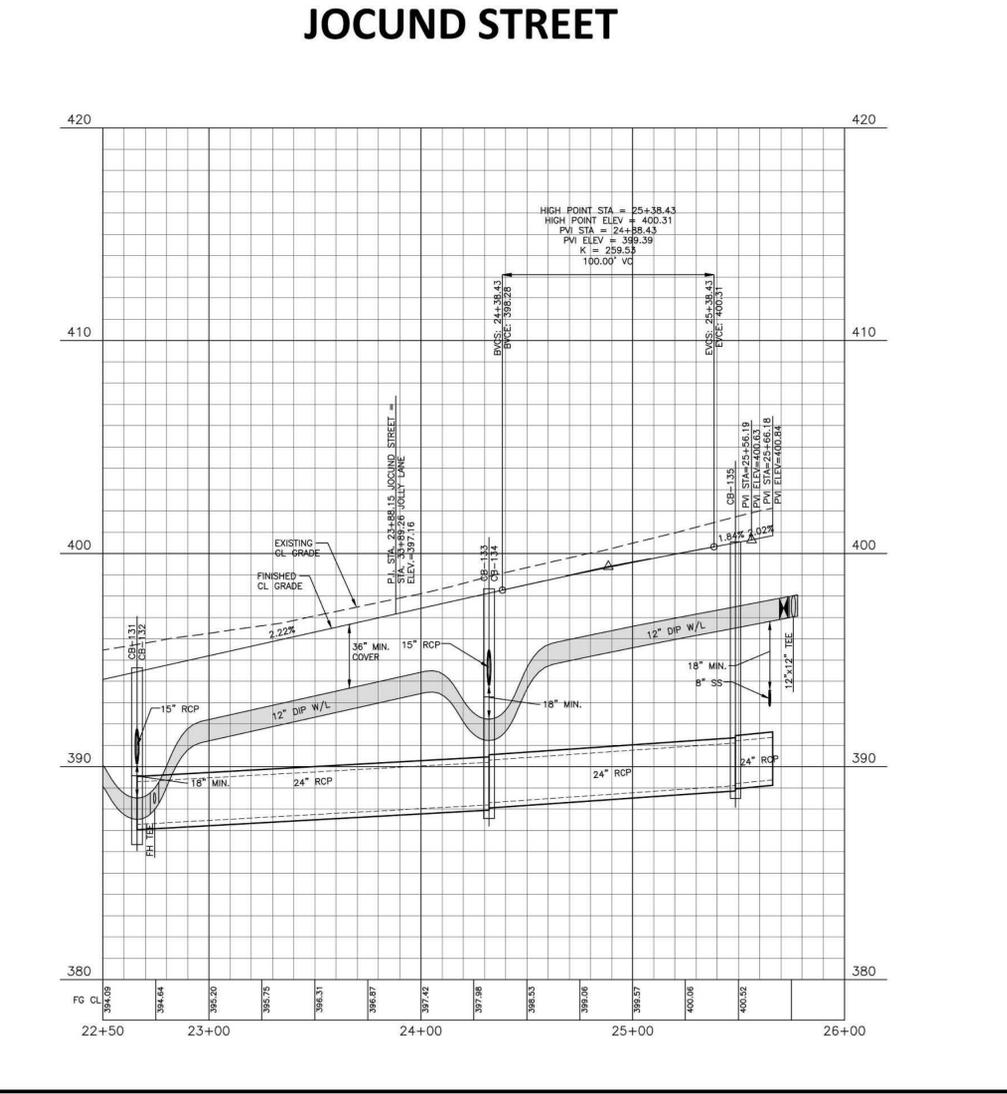
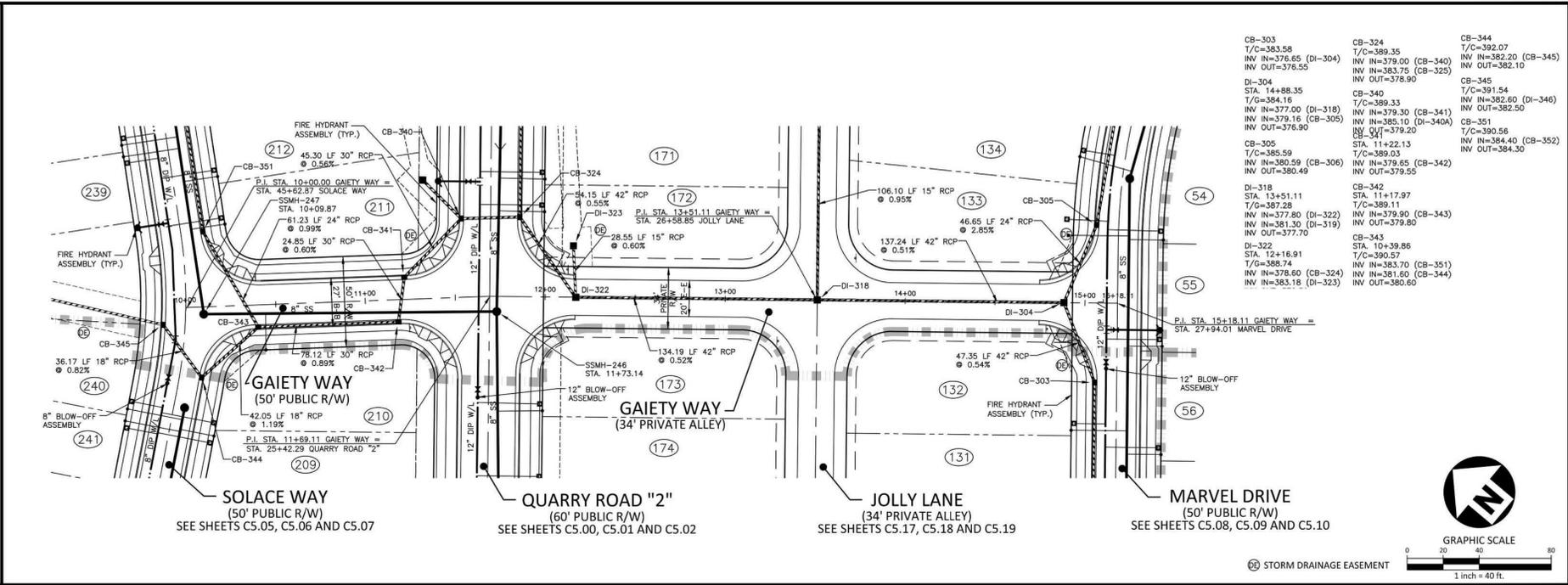
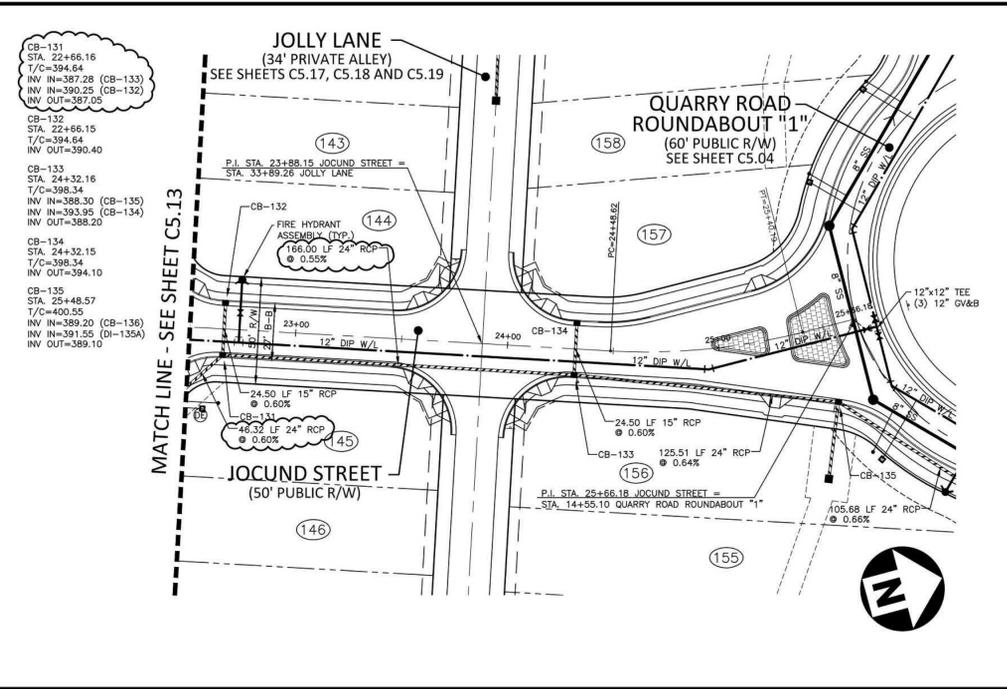
**THE POINT - PHASES 1, 2, 6 AND 9**  
 CONSTRUCTION DRAWINGS - PACKAGE 1  
 TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,  
 WAKE COUNTY, NORTH CAROLINA

Todd O'Daniel  
 Apr 19 2022 1:07 PM

**PLAN INFORMATION**  
 PROJECT NO. AWH-20000  
 FILENAME AWH20000-CD-PKG-01-P1  
 CHECKED BY WTO  
 DRAWN BY SRW  
 SCALE 1"=40'/1"=4'  
 DATE 03. 21. 2022

**PLAN AND PROFILE**  
 JOCUND STREET, STA. 10+00 THRU STA. 22+50

# C5.13



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PHONE: 919. 232. 3695  
CONTACT: BOB MISHLER  
ASHTON WOODS.

**REVISIONS**

NO.	DATE	REVISION
1	07.13.2022	REVISED PER GAS LINE FIELD OBSERVATIONS

**THE POINT - PHASES 1, 2, 6 AND 9**  
CONSTRUCTION DRAWINGS - PACKAGE 1  
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,  
WAKE COUNTY, NORTH CAROLINA

Todd O'Daniel  
Jul 13 2022 2:03 PM

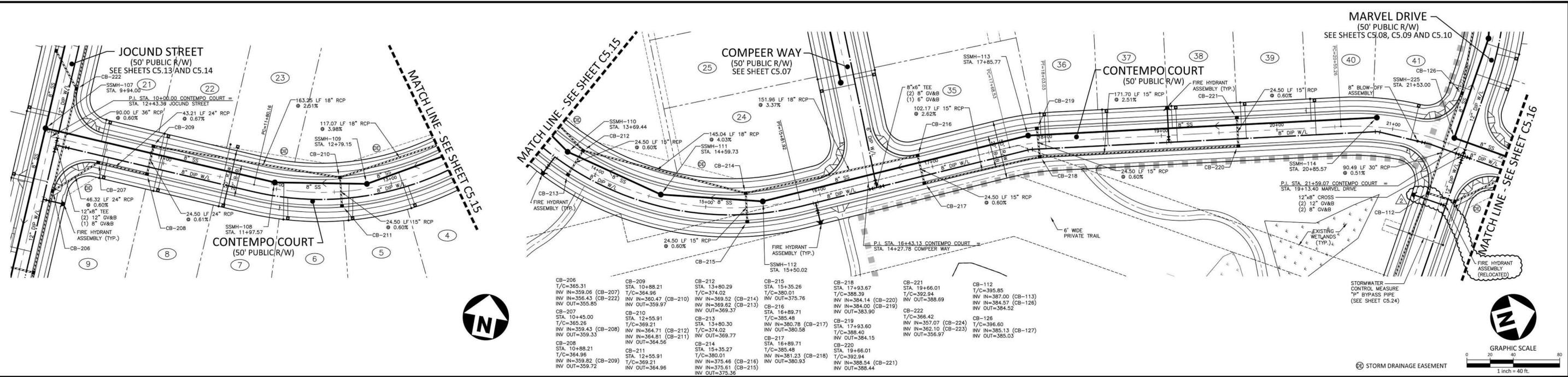
**PLAN INFORMATION**

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-01-P1
CHECKED BY	WTO
DRAWN BY	SRW
SCALE	1"=40'/1"=4'
DATE	03. 21. 2022

**PLAN AND PROFILE**  
JOCUND STREET, STA. 22+50 THRU STA. 26+00  
GAIEY WAY, STA. 10+00 THRU STA. 15+50

# C5.14

FINAL DRAWING - RELEASED FOR CONSTRUCTION



CB-206 T/C=365.31 STA. 10+88.21 INV IN=359.06 (CB-207) INV IN=356.43 (CB-222) INV OUT=355.85	CB-207 T/C=365.26 STA. 10+45.00 INV IN=359.43 (CB-208) INV OUT=359.33	CB-208 T/C=365.26 STA. 10+88.21 INV IN=359.43 (CB-209) INV OUT=359.72	CB-209 T/C=364.96 STA. 10+88.21 INV IN=360.47 (CB-210) INV OUT=359.97	CB-210 T/C=364.96 STA. 12+55.91 INV IN=364.71 (CB-212) INV OUT=364.56	CB-211 T/C=364.96 STA. 12+55.91 INV IN=364.81 (CB-211) INV OUT=364.96	CB-212 T/C=374.02 STA. 13+80.29 INV IN=369.52 (CB-214) INV OUT=369.37	CB-213 T/C=374.02 STA. 13+80.29 INV IN=369.52 (CB-214) INV OUT=369.37	CB-214 T/C=380.01 STA. 14+50.02 INV IN=375.46 (CB-215) INV OUT=375.36	CB-215 T/C=380.01 STA. 14+50.02 INV IN=375.46 (CB-215) INV OUT=375.36	CB-216 T/C=385.48 STA. 16+89.71 INV IN=384.14 (CB-220) INV OUT=383.90	CB-217 T/C=385.48 STA. 16+89.71 INV IN=384.14 (CB-220) INV OUT=383.90	CB-218 T/C=388.40 STA. 17+93.60 INV IN=384.14 (CB-220) INV OUT=384.14	CB-219 T/C=388.40 STA. 17+93.60 INV IN=384.14 (CB-220) INV OUT=384.14	CB-220 T/C=388.40 STA. 17+93.60 INV IN=384.14 (CB-220) INV OUT=384.14	CB-221 T/C=392.94 STA. 19+66.01 INV IN=388.69 INV OUT=388.69	CB-222 T/C=392.94 STA. 19+66.01 INV IN=388.69 INV OUT=388.69	CB-112 T/C=395.85 STA. 20+85.57 INV IN=387.00 (CB-113) INV IN=384.57 (CB-126) INV OUT=384.52	CB-126 T/C=395.85 STA. 20+85.57 INV IN=387.00 (CB-113) INV IN=384.57 (CB-126) INV OUT=384.52
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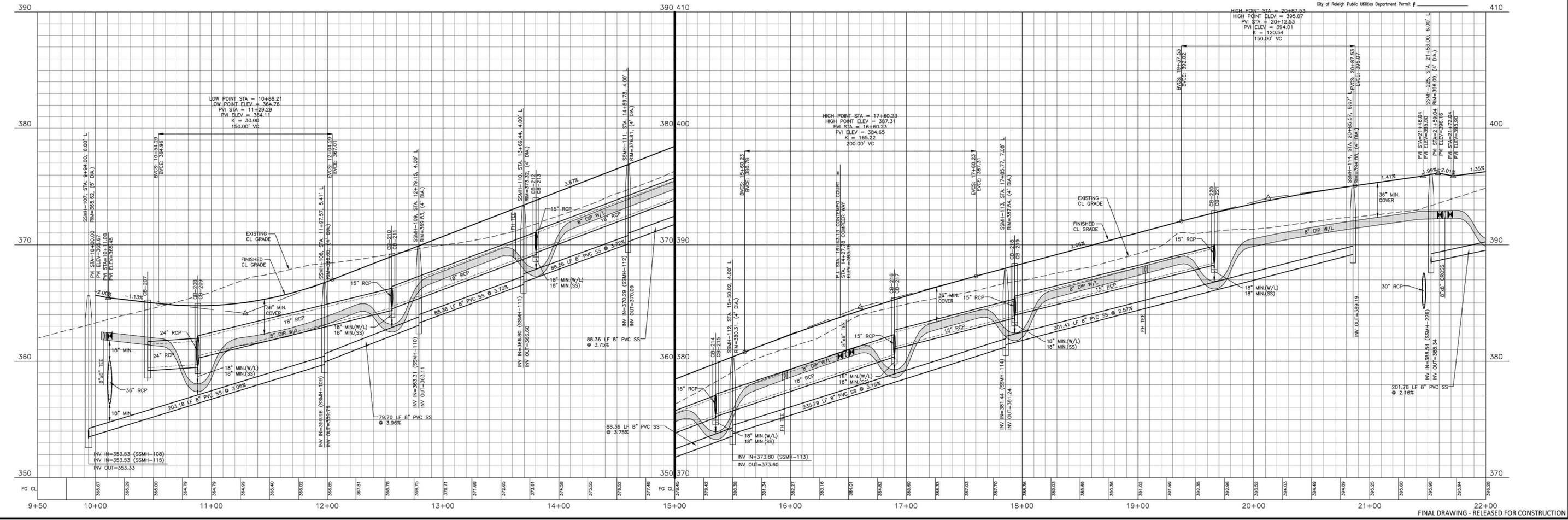
# CONTEMPO COURT

**CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION**  
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 Timothy Beasley, City of Raleigh Review Officer

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 Water and Sewer Permits (if applicable)  
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**STORM DRAINAGE EASEMENT**  
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**EXISTING WETLANDS (TYP.)**  
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**CLIENT**  
 ASHTON RALEIGH RESIDENTIAL, LLC.  
 900 RIDGEBLVD DRIVE, SUITE 335  
 RALEIGH, NORTH CAROLINA 27609  
 PHONE: 919. 422. 7663  
 CONTACT: BOB MISHLER  
 ASHTON WOODS

**REVISIONS**

NO.	DATE	DESCRIPTION
2	03.07.2023	ADDED SCM "F" AND BYPASS PIPE. RELOCATED FIRE HYDRANT

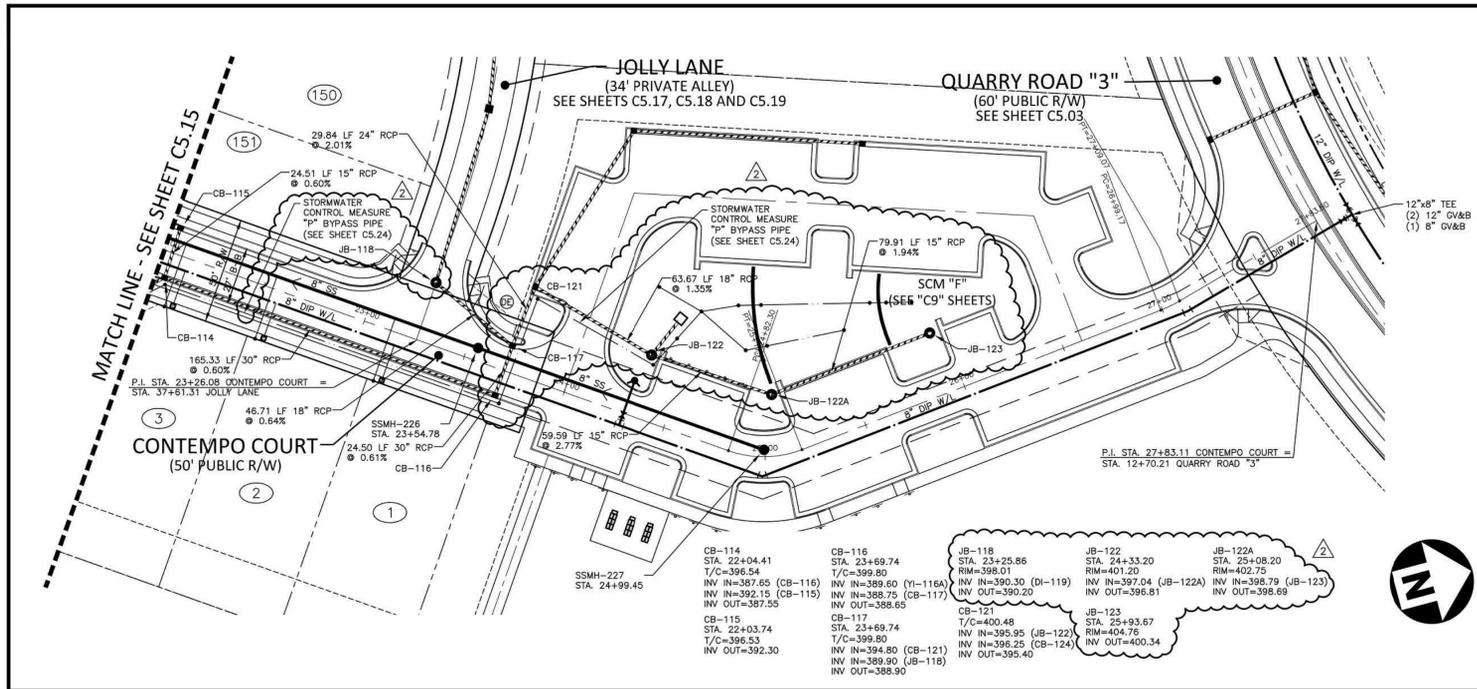
**Professional Engineer Seal**  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 22630  
 WILLIAM T. O'DANIEL  
 W.T. O'DANIEL  
 William T. O'Daniel  
 c/o William T. O'Daniel, c/o  
 c/o North Carolina  
 email: wtdaniel@mcadamsco.com  
 2023.03.20 12:35:30 04107

**THE POINT - PHASES 1, 2, 6 AND 9**  
 CONSTRUCTION DRAWINGS - PACKAGE 1  
 TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,  
 WAKE COUNTY, NORTH CAROLINA

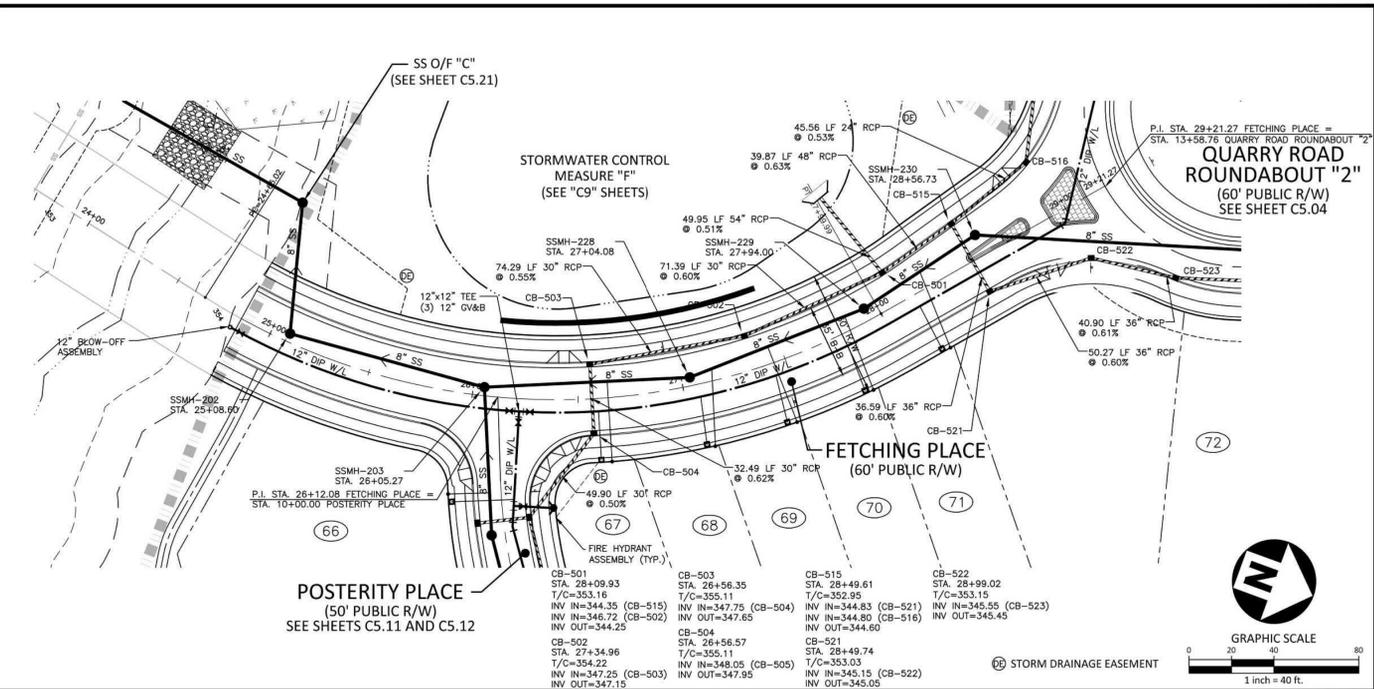
**PLAN INFORMATION**

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-01-P1
CHECKED BY	WTO
DRAWN BY	SRW
SCALE	1"=40'/1"=4'
DATE	03.21.2022

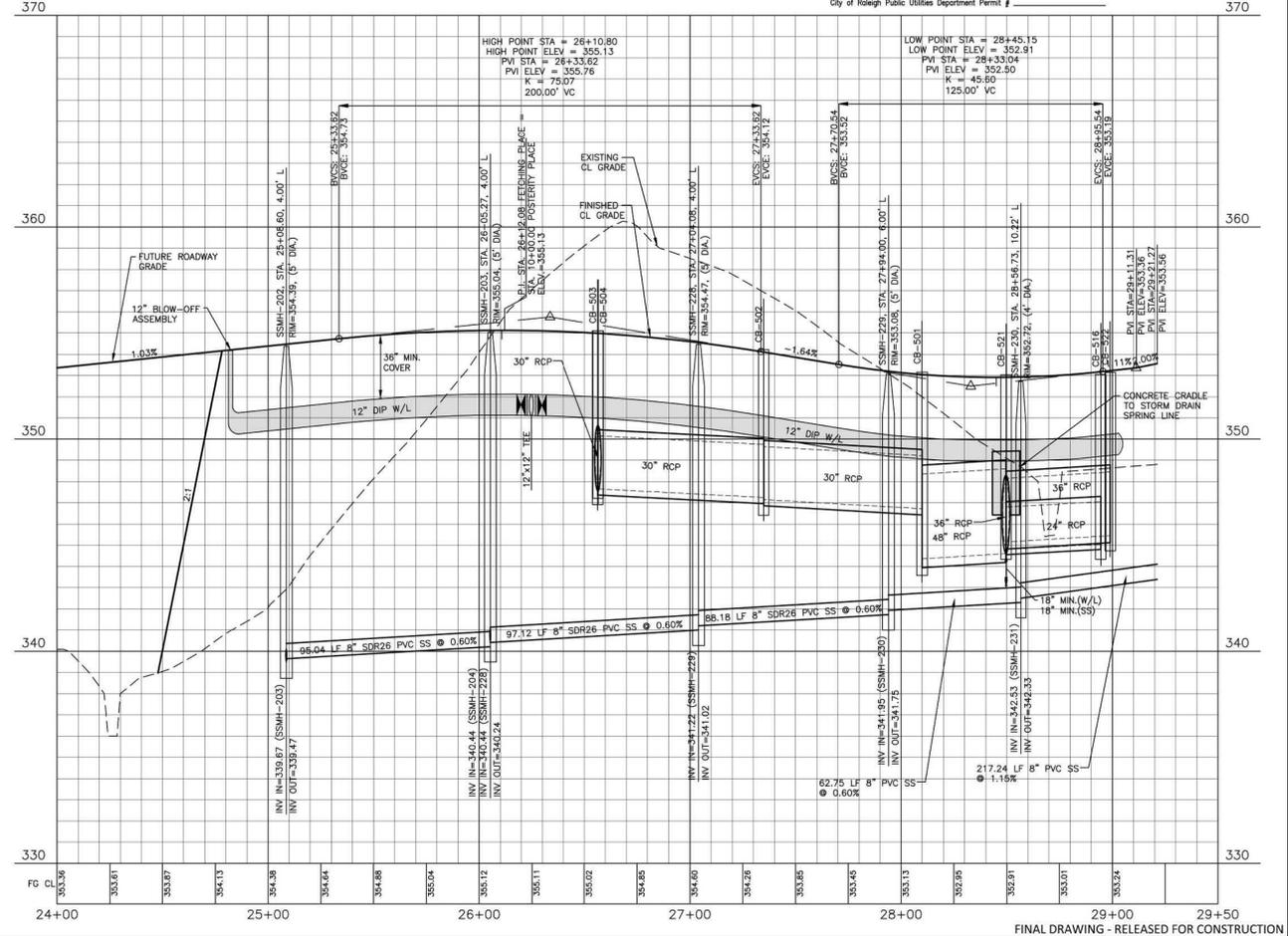
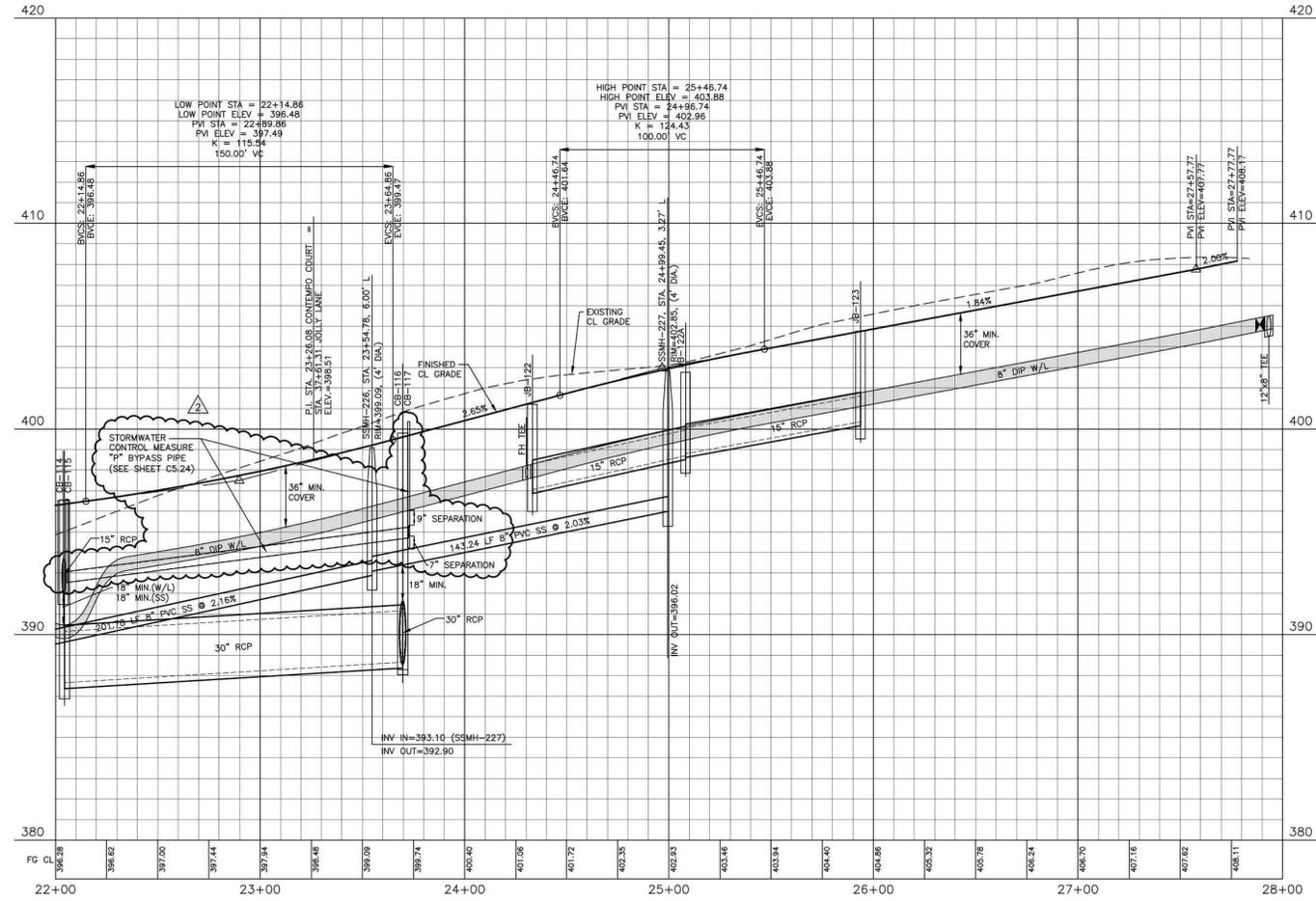
**PLAN AND PROFILE**  
 CONTEMPO COURT, STA. 10+00 THRU STA. 22+00  
**C5.15**



### CONTEMPO COURT



### FETCHING PLACE



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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 # 30-3322

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 City of Raleigh Public Utilities Department Permit #

M:\Projects\AWH\20000\Production\Engineering\Construction Drawings\AWH20000-CD-Pkg-01-P2.dwg, 3/7/2023 10:12:05 AM, Sherill Williams



The John R. McAdams Company, Inc.  
 2905 Meridian Parkway  
 Durham, NC 27713  
 phone 919. 361. 5000  
 fax 919. 361. 2269  
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 PHONE: 919. 422. 7663  
 CONTACT: BOB MISHLER  
 ASHTON WOODS.

**REVISIONS**

NO.	DATE	DESCRIPTION
2	03.07.2023	ADDED SCM 'F' AND BYPASS PIPE.



William T. O'Daniel  
 c/o William T. O'Daniel, c/o US,  
 o=North Carolina,  
 email=odaniel@mcadamsco.com  
 2023.03.20 12:33:57 -04'00'

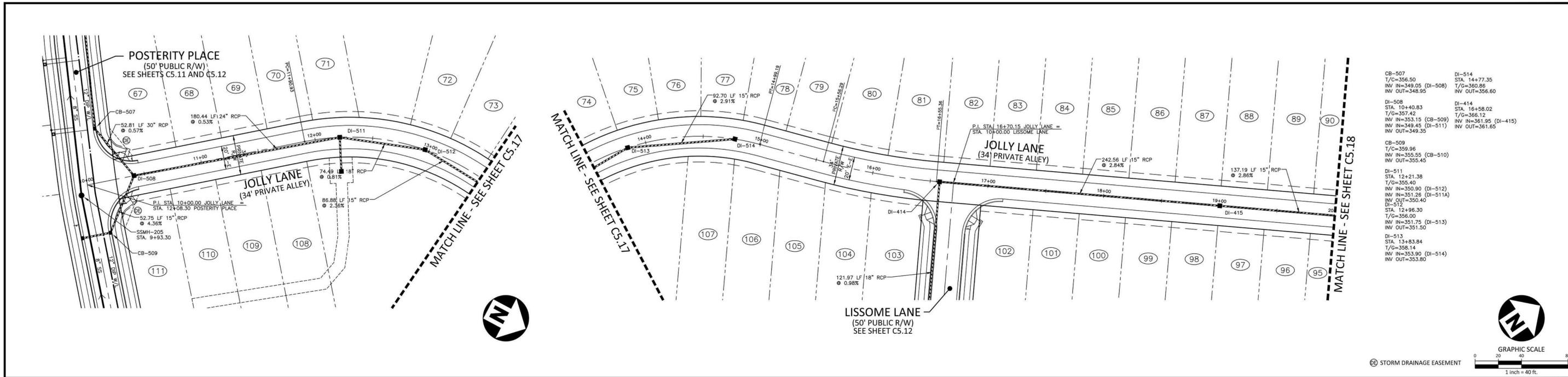
## THE POINT - PHASES 1, 2, 6 AND 9 CONSTRUCTION DRAWINGS - PACKAGE 1 TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP, WAKE COUNTY, NORTH CAROLINA

**PLAN INFORMATION**

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-01-P1
CHECKED BY	WTO
DRAWN BY	SRW
SCALE	1"=40'/1"=4'
DATE	03.21.2022

**PLAN AND PROFILE**  
 CONTEMPO COURT, STA. 22+00 THRU STA. 25+50  
 FETCHING PLACE, STA. 24+00 THRU STA. 29+50

# C5.16

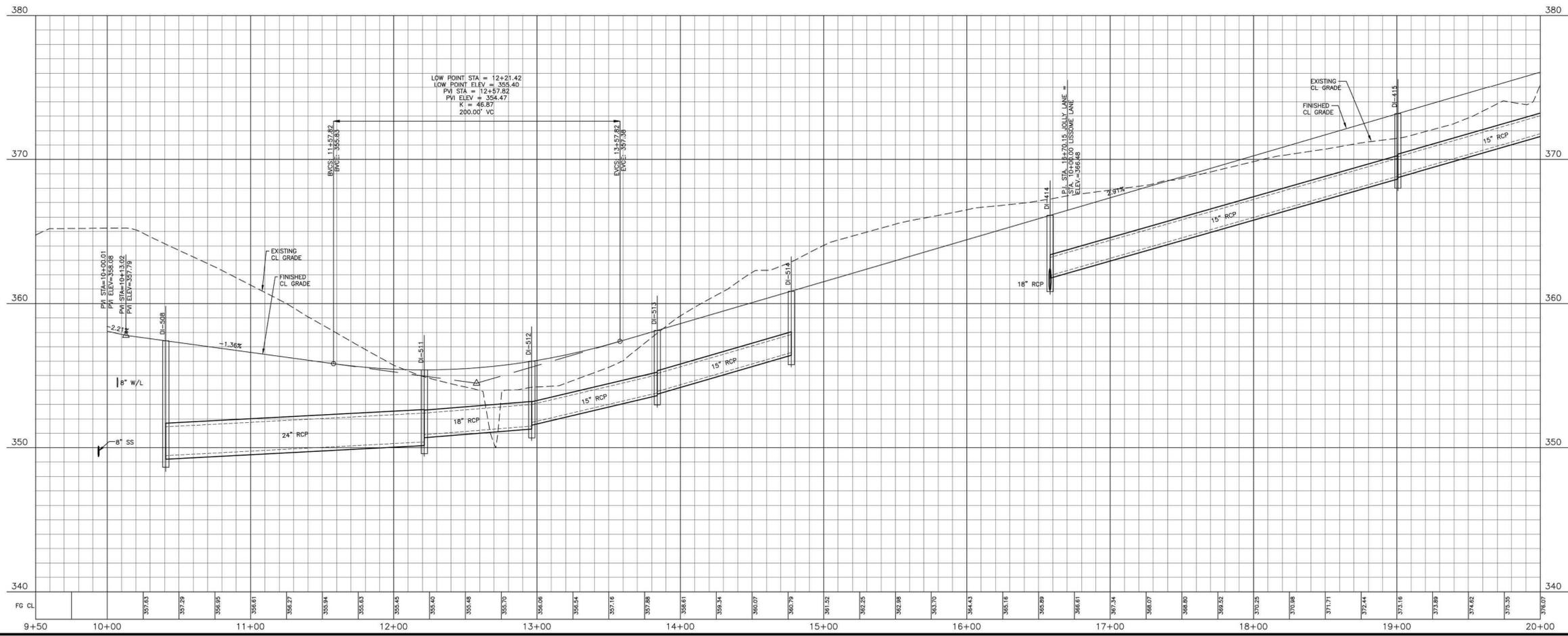


CB-507 T/G=356.50 INV IN=349.05 (DI-508) INV OUT=348.95	DI-514 STA. 14+77.35 T/G=350.86 INV OUT=356.60
DI-508 STA. 10+40.83 T/G=357.42 INV IN=353.15 (CB-509) INV IN=349.45 (DI-511) INV OUT=349.35	DI-414 STA. 16+58.02 T/G=366.12 INV IN=361.95 (DI-415) INV OUT=361.65
CB-509 T/G=359.96 INV IN=355.55 (CB-510) INV OUT=355.45	DI-511 STA. 12+21.38 T/G=355.40 INV IN=350.90 (DI-512) INV IN=351.26 (DI-511A) INV OUT=350.40 DI-512 STA. 12+96.30 T/G=356.00 INV IN=351.75 (DI-513) INV OUT=351.50
DI-513 STA. 13+83.84 T/G=358.14 INV IN=353.90 (DI-514) INV OUT=353.80	

# JOLLY LANE

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 City of Raleigh Review Officer: \_\_\_\_\_

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 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 # 13-3322  
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 City of Raleigh Public Utilities Department Permit # \_\_\_\_\_



FINAL DRAWING - RELEASED FOR CONSTRUCTION

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

**REVISIONS**

NO.	DATE

Todd O'Daniel  
 Apr 19 2022 1:09 PM

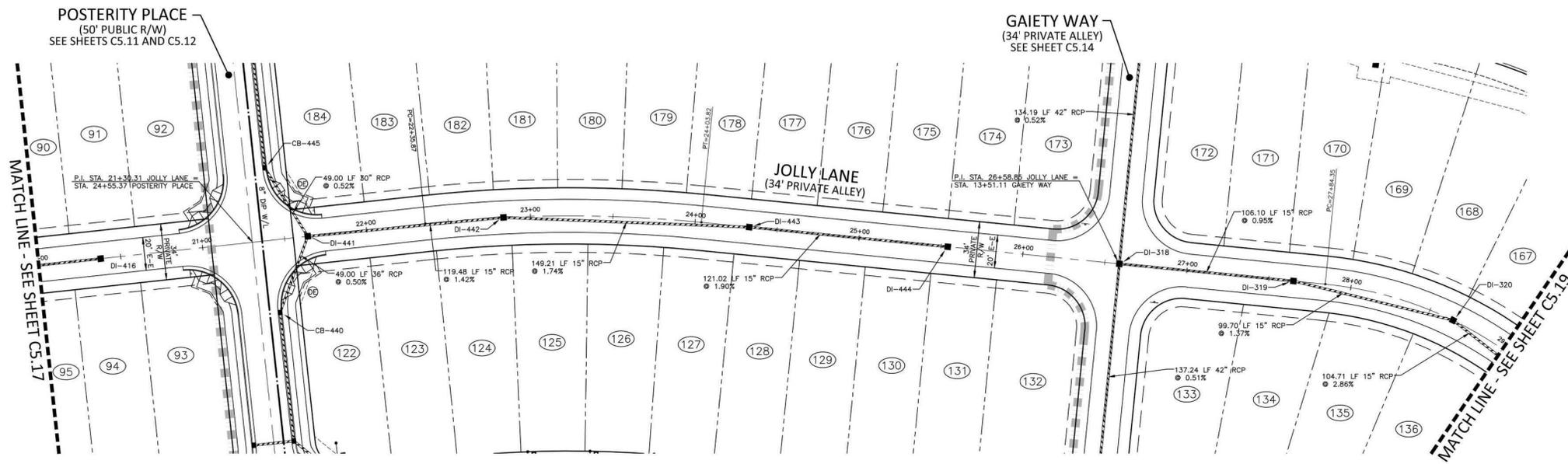
## THE POINT - PHASES 1, 2, 6 AND 9 CONSTRUCTION DRAWINGS - PACKAGE 1 TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP, WAKE COUNTY, NORTH CAROLINA

**PLAN INFORMATION**

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-01-P1
CHECKED BY	WTO
DRAWN BY	SRW
SCALE	1"=40'/1"=4'
DATE	03. 21. 2022

**PLAN AND PROFILE**  
 JOLLY LANE, STA. 10+00 THRU STA. 20+00

# C5.17



DI-318 STA. 26+58.85 T/G=387.28 INV IN=377.80 (DI-322) INV IN=381.30 (DI-319) INV OUT=377.70	DI-441 STA. 21+64.12 T/G=379.14 INV IN=363.85 (CB-445) INV IN=374.90 (DI-442) INV OUT=363.85
DI-319 STA. 27+64.95 T/G=386.66 INV IN=382.41 (DI-320) INV OUT=382.31	DI-442 STA. 22+83.62 T/G=380.95 INV IN=376.70 (DI-443) INV OUT=376.60
DI-320 STA. 28+65.31 T/G=388.13 INV IN=383.88 (DI-321) INV OUT=383.78	DI-443 STA. 24+33.00 T/G=383.66 INV IN=379.40 (DI-444) INV OUT=379.30
DI-416 STA. 20+37.78 T/G=377.11 INV OUT=372.86	DI-444 STA. 25+54.02 T/G=385.95 INV IN=381.70 INV OUT=381.70
CB-440 T/C=379.92 INV IN=363.60 (DI-441) INV OUT=363.50	CB-445 T/C=378.52 INV IN=364.30 (CB-446) INV OUT=364.20



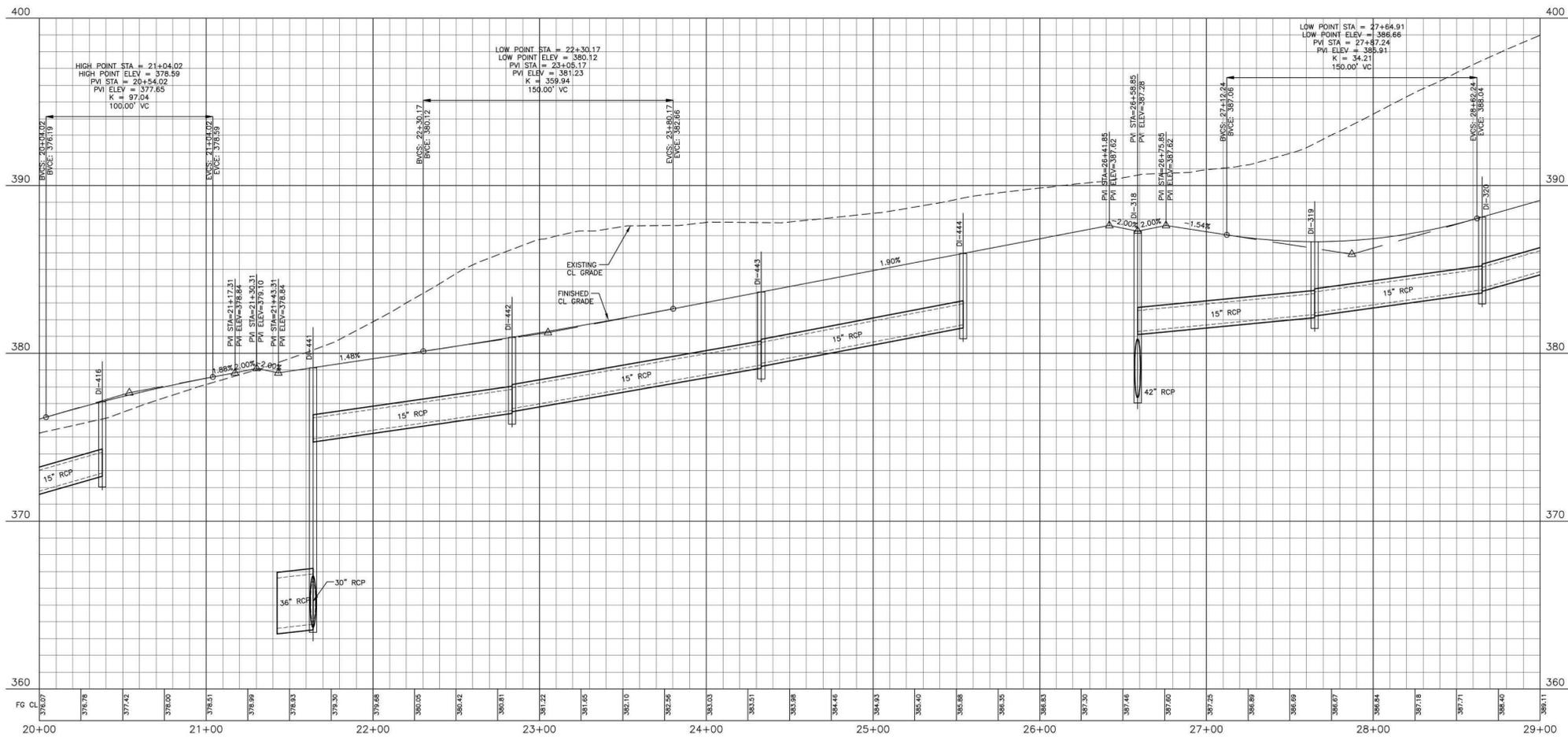
GRAPHIC SCALE  
1 inch = 40 ft.

STORM DRAINAGE EASEMENT

# JOLLY LANE

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION  
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FINAL DRAWING - RELEASED FOR CONSTRUCTION



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CONTACT: BOB MISHLER  
ASHTON WOODS.

**REVISIONS**  
NO. DATE

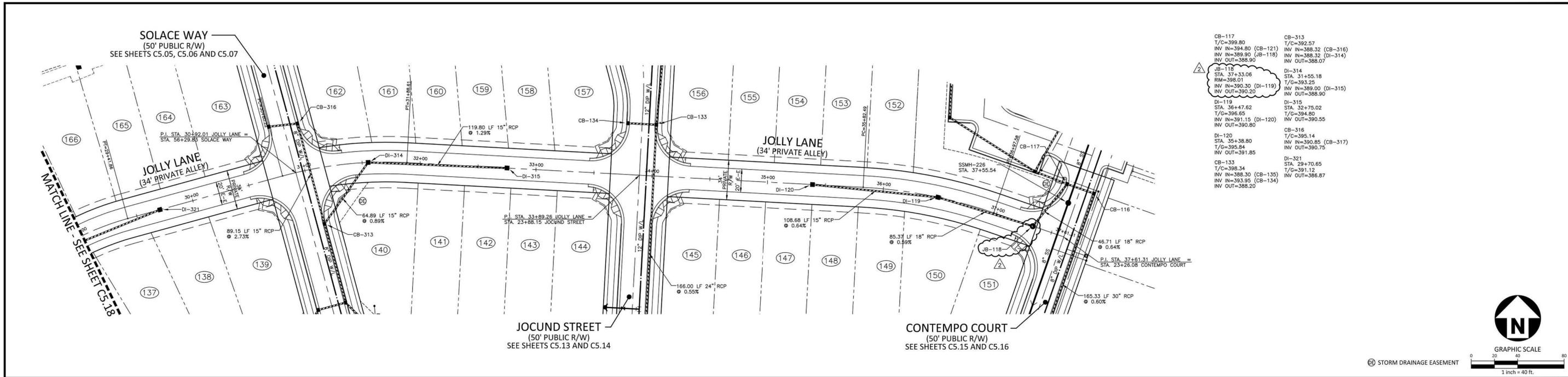


Todd O'Daniel  
Apr 19 2022 1:09 PM

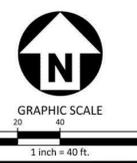
**THE POINT - PHASES 1, 2, 6 AND 9**  
**CONSTRUCTION DRAWINGS - PACKAGE 1**  
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,  
WAKE COUNTY, NORTH CAROLINA

**PLAN INFORMATION**  
PROJECT NO. AWH-20000  
FILENAME AWH20000-CD-PKG-01-P1  
CHECKED BY WTO  
DRAWN BY SRW  
SCALE 1"=40'/1"=4'  
DATE 03. 21. 2022

**PLAN AND PROFILE**  
JOLLY LANE, STA. 20+00 THRU STA. 29+00  
**C5.18**



CB-117 T/C=399.80 INV IN=394.80 (CB-121) INV IN=389.90 (JB-118) INV OUT=388.90	CB-313 T/C=392.57 INV IN=388.32 (CB-316) INV IN=388.32 (DI-314) INV OUT=388.07
JB-118 STA. 37+33.06 RIM=398.01 INV IN=390.30 (DI-119) INV OUT=390.20	DI-314 STA. 31+55.18 T/C=393.25 INV IN=389.00 (DI-315) INV OUT=388.90
DI-119 STA. 36+47.62 T/C=396.65 INV IN=391.15 (DI-120) INV OUT=390.80	DI-315 STA. 32+75.02 T/C=394.80 INV IN=390.55 (DI-120) INV OUT=390.55
CB-133 T/C=398.34 INV IN=388.33 (CB-135) INV OUT=388.20	DI-321 STA. 29+70.65 T/C=391.12 INV IN=388.87 (CB-134) INV OUT=388.20
CB-316 T/C=395.14 INV IN=390.85 (CB-317) INV OUT=390.75	



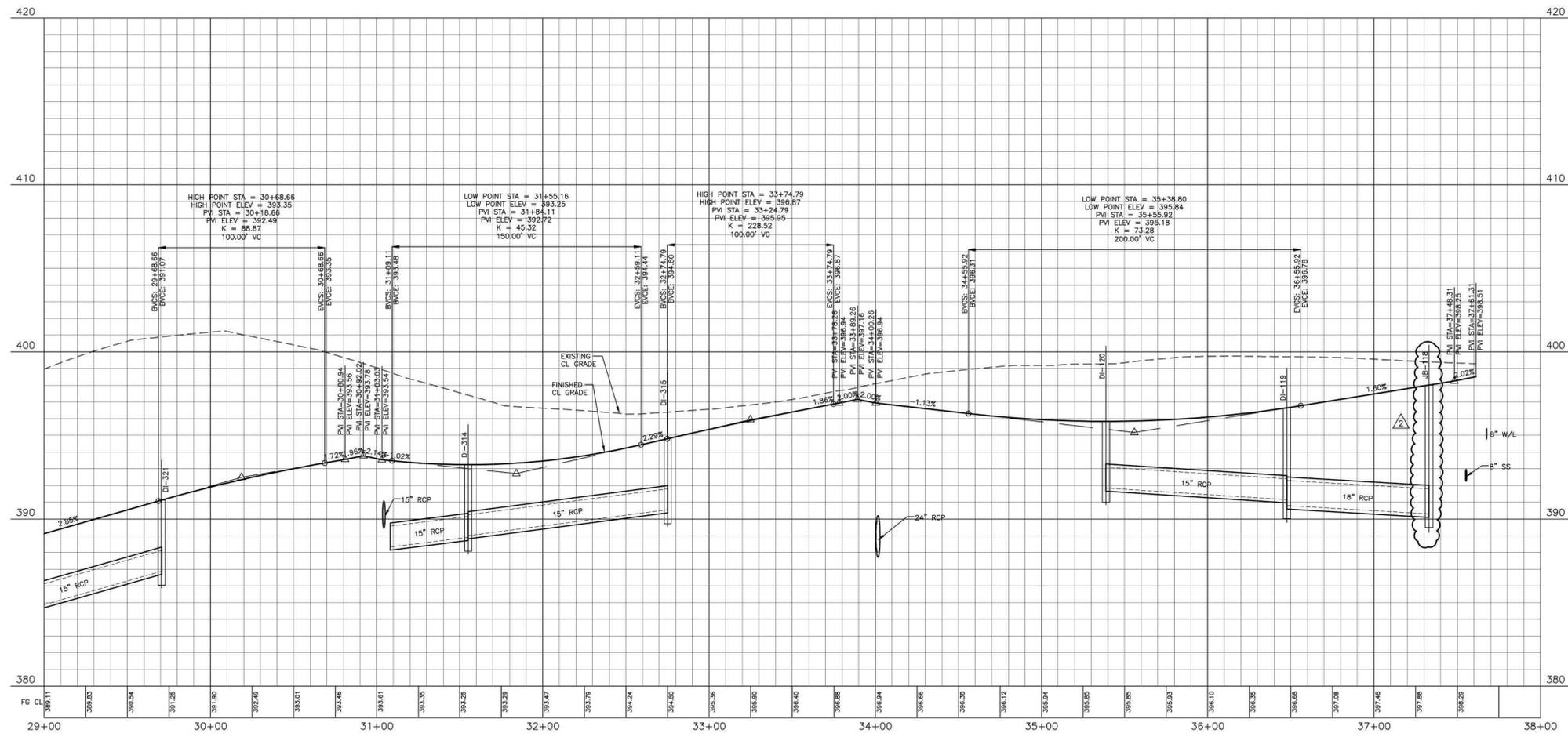
# JOLLY LANE

**CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION**  
Electronic Approval: This approval is being issued electronically. This approval is valid only upon the signature of a City of Raleigh Review Officer below. The City will retain a copy of the approved plans. Any work authorized by this approval must proceed in accordance with the plans kept on file with the City. This electronic approval may not be edited once issued. Any modification to this approval once issued will invalidate this approval.  
City of Raleigh Development Approval: \_\_\_\_\_  
City of Raleigh Review Officer: \_\_\_\_\_

**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 # 5-5043

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 # 13-3322

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 # \_\_\_\_\_



M:\Projects\AWH\20000\Production\Engineering\Construction Drawings\Current Drawings\AWH20000-CD-Pkg-01-P2.dwg, 3/7/2023 10:13:38 AM, Sherill Williams

FINAL DRAWING - 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**  
ASHTON RALEIGH RESIDENTIAL, LLC.  
900 RIDGEFIELD DRIVE, SUITE 335  
RALEIGH, NORTH CAROLINA 27609  
PHONE: 919. 422. 7663  
CONTACT: BOB MISHLER  
ASHTON WOODS.

**REVISIONS**

NO.	DATE	DESCRIPTION
2	03.07.2023	CHANGE STRUCTURE 118 TO JB



William T. O'Daniel  
Civil Engineer, State of North Carolina  
email: rodaniel@mcadamsco.com  
2023.03.20 12:34:38 -04'00'

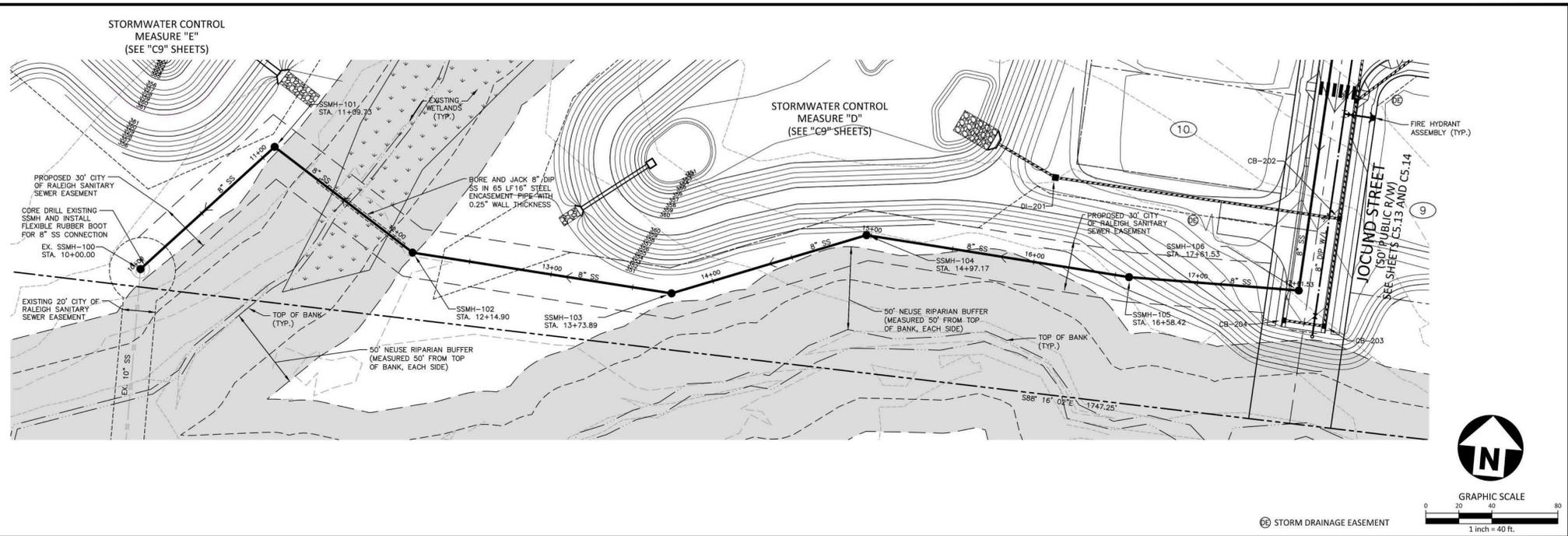
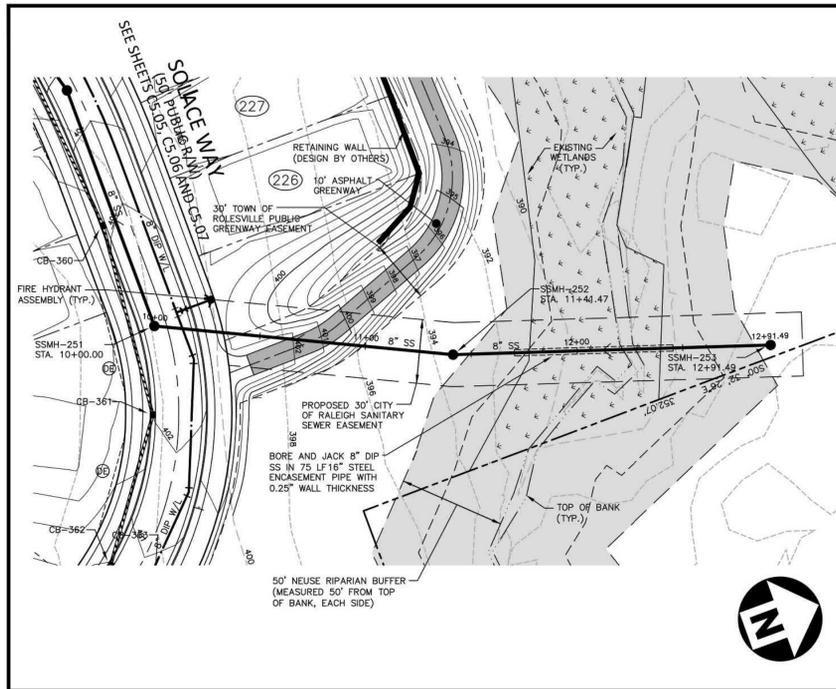
## THE POINT - PHASES 1, 2, 6 AND 9 CONSTRUCTION DRAWINGS - PACKAGE 1 TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP, WAKE COUNTY, NORTH CAROLINA

**PLAN INFORMATION**

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-01-P1
CHECKED BY	WTO
DRAWN BY	SRW
SCALE	1"=40'/1"=4'
DATE	03.21.2022

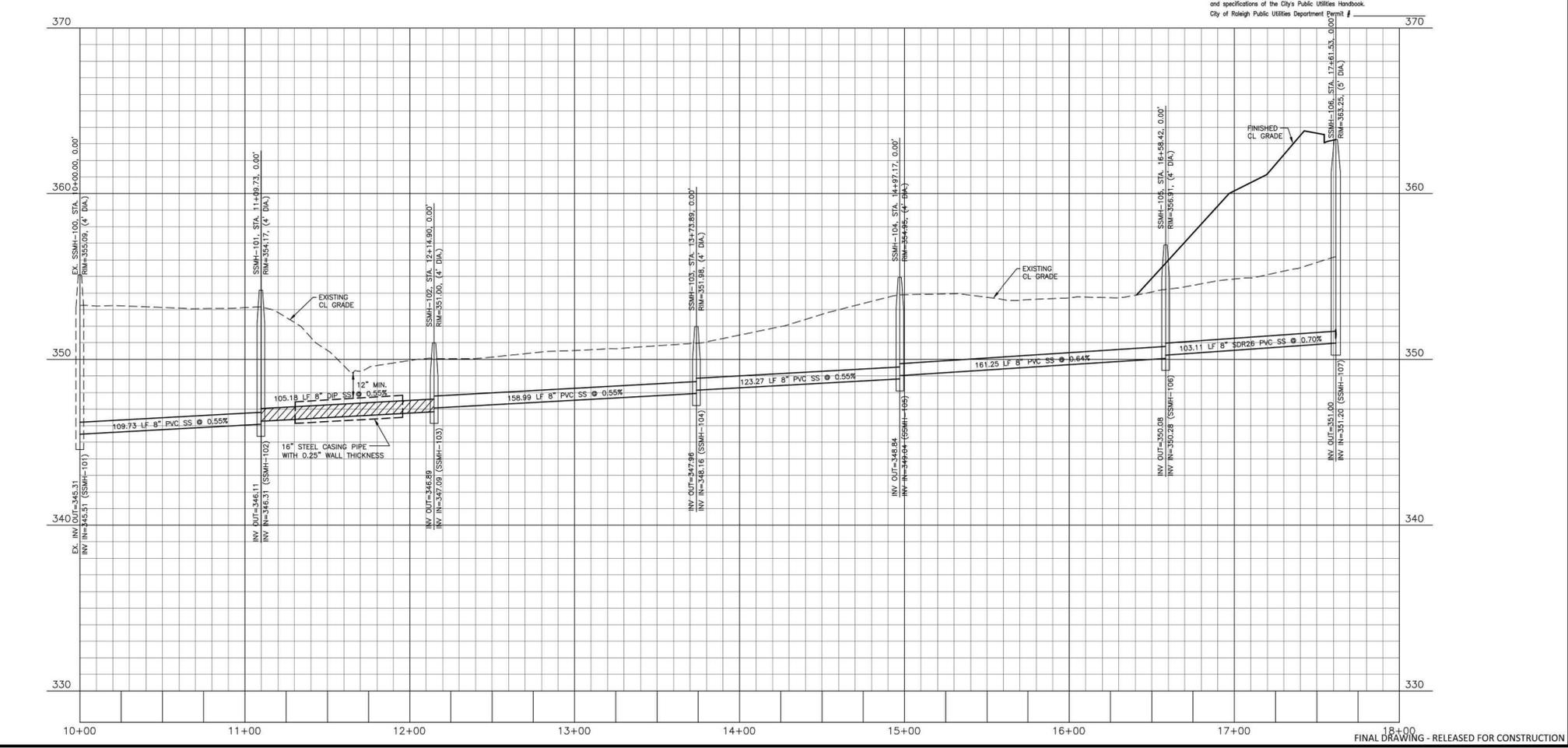
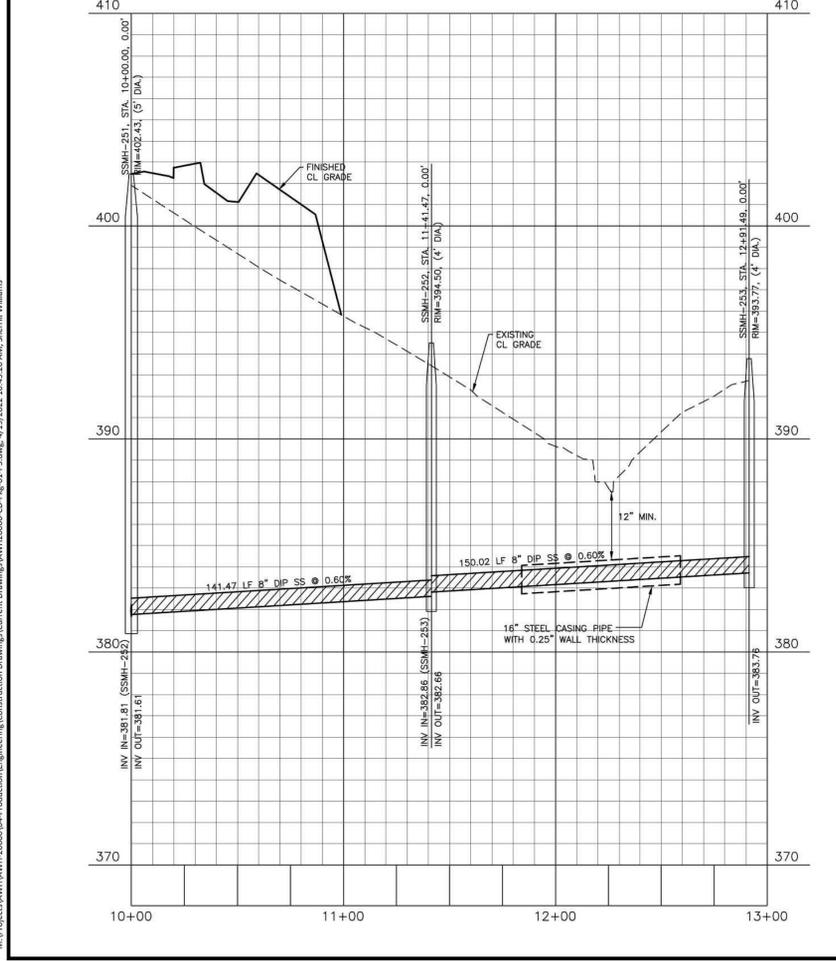
**PLAN AND PROFILE**  
JOLLY LANE, STA. 29+00 THRU STA. 38+00

# C5.19



**SANITARY SEWER OUTFALL "A"**

**SANITARY SEWER OUTFALL "B"**



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 City of Raleigh Review Officer

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 City of Raleigh Public Utilities Department Permit #



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

**REVISIONS**  
 NO. DATE

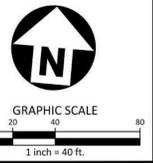


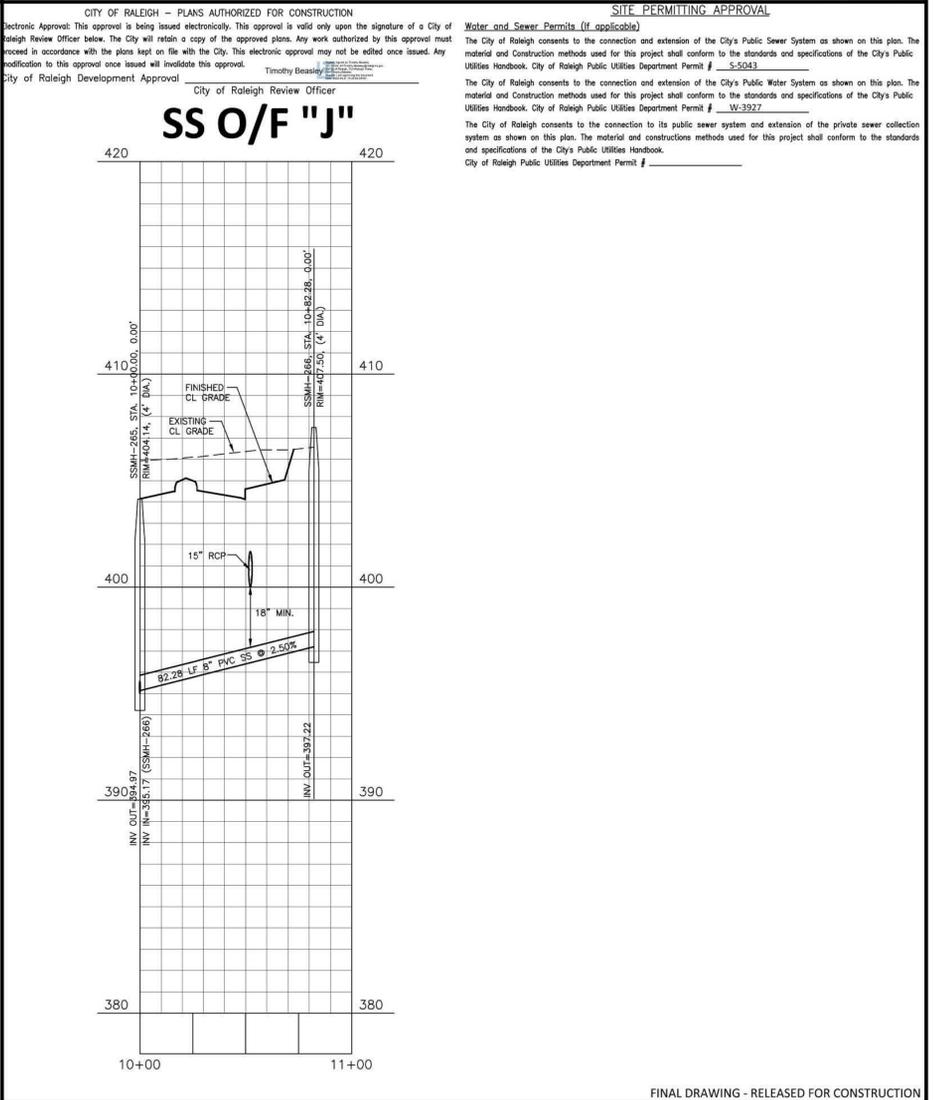
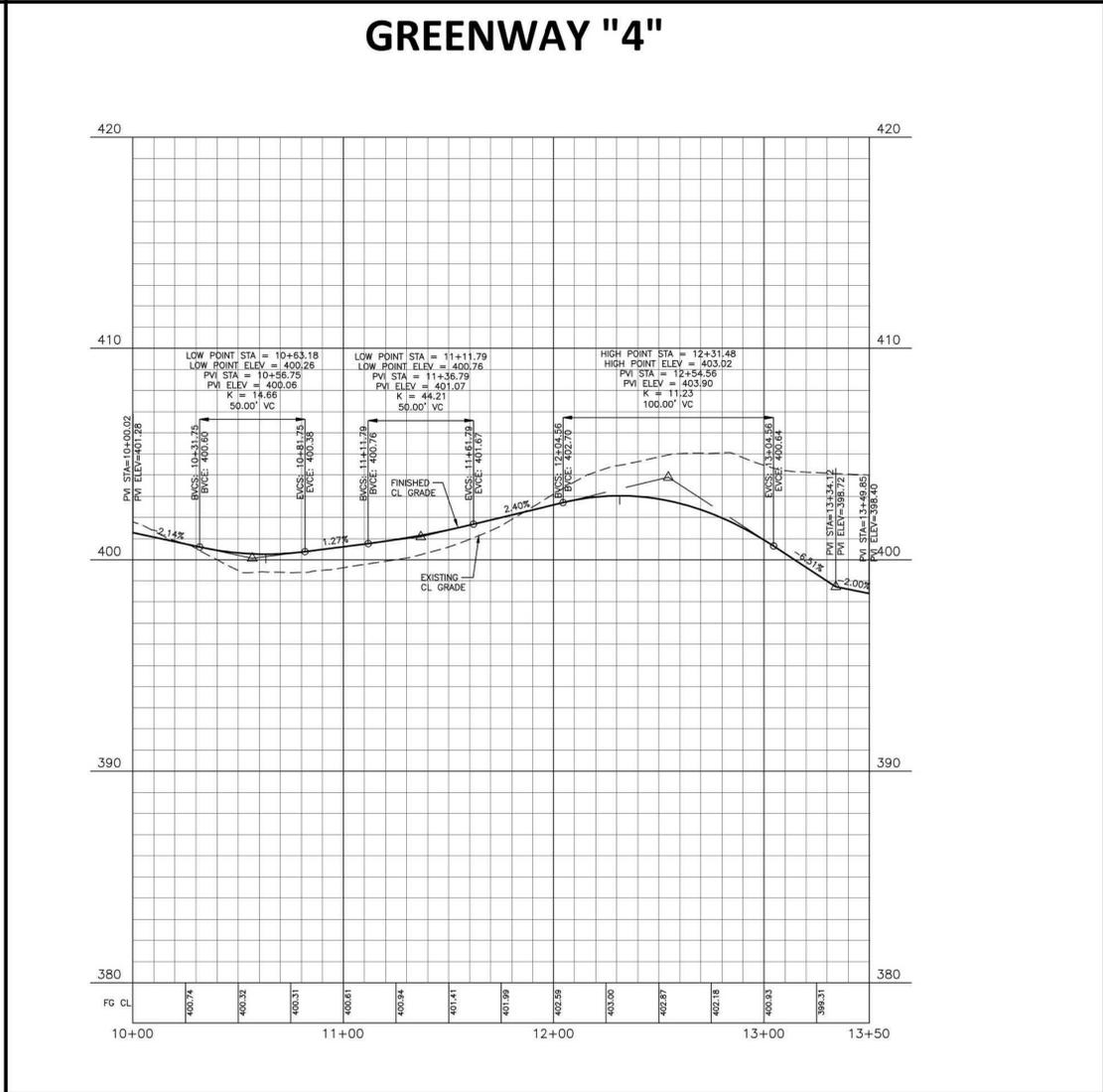
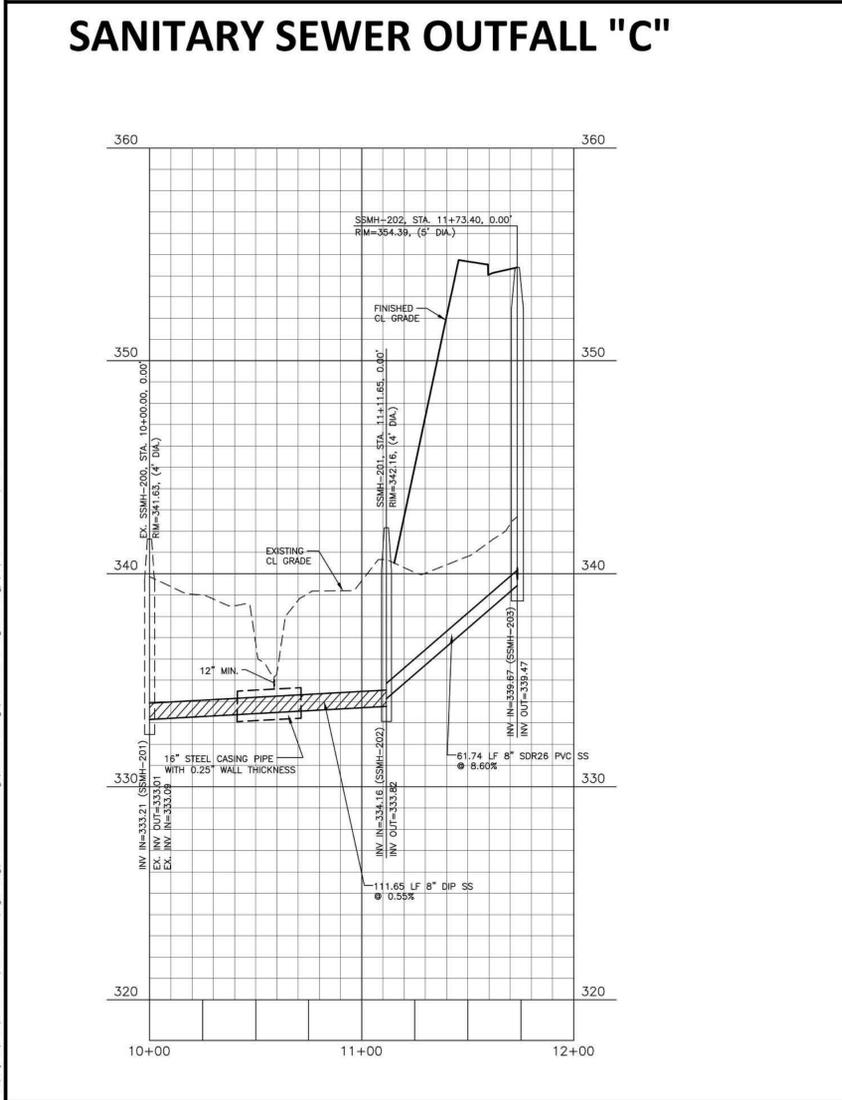
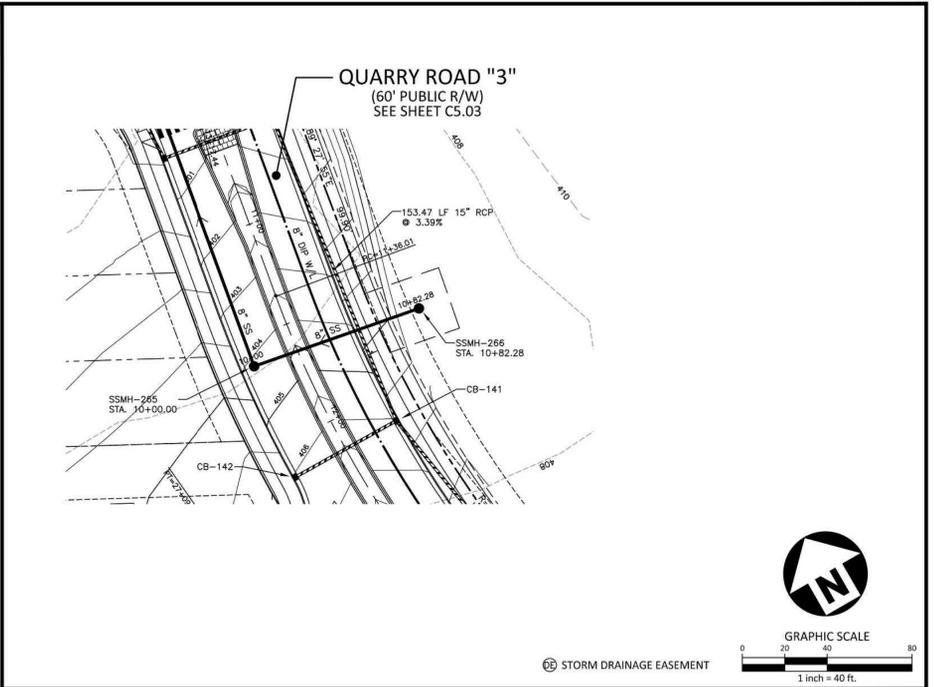
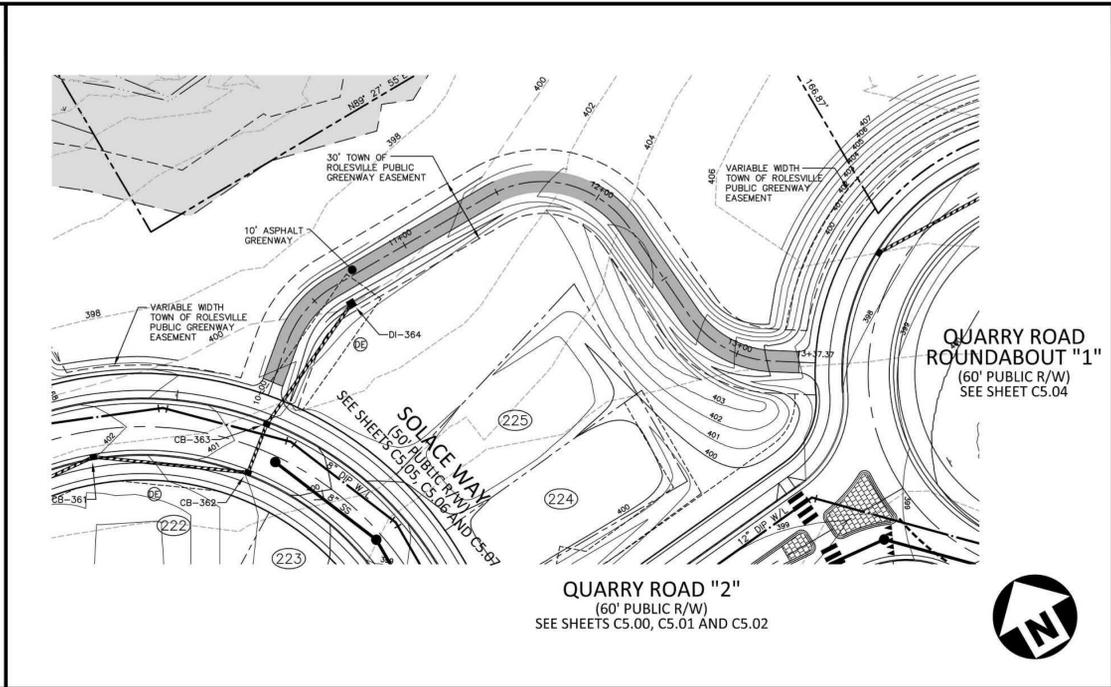
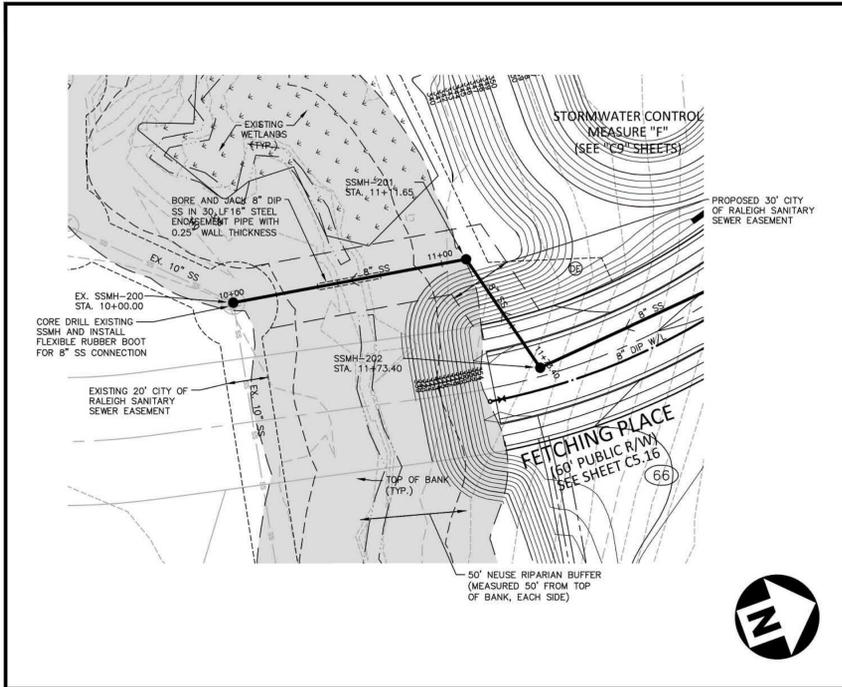
Todd O'Daniel  
 Apr 19 2022 1:10 PM

**THE POINT - PHASES 1, 2, 6 AND 9**  
**CONSTRUCTION DRAWINGS - PACKAGE 1**  
 TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,  
 WAKE COUNTY, NORTH CAROLINA

**PLAN INFORMATION**  
 PROJECT NO. AWH-20000  
 FILENAME AWH20000-CD-PKG-01-P3  
 CHECKED BY WTO  
 DRAWN BY SRW  
 SCALE 1"=40'/1"=4'  
 DATE 03. 21. 2022

**PLAN AND PROFILE**  
 SS O/F "A", STA. 10+00 THRU STA. 13+00  
 SS O/F "B", STA. 10+00 THRU STA. 18+00  
**C5.20**





CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION  
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 City of Raleigh Review Officer: \_\_\_\_\_

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 City of Raleigh Public Utilities Department Permit # \_\_\_\_\_

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

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

**REVISIONS**  
 NO. DATE

**THE POINT - PHASES 1, 2, 6 AND 9**  
**CONSTRUCTION DRAWINGS - PACKAGE 1**  
 TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,  
 WAKE COUNTY, NORTH CAROLINA

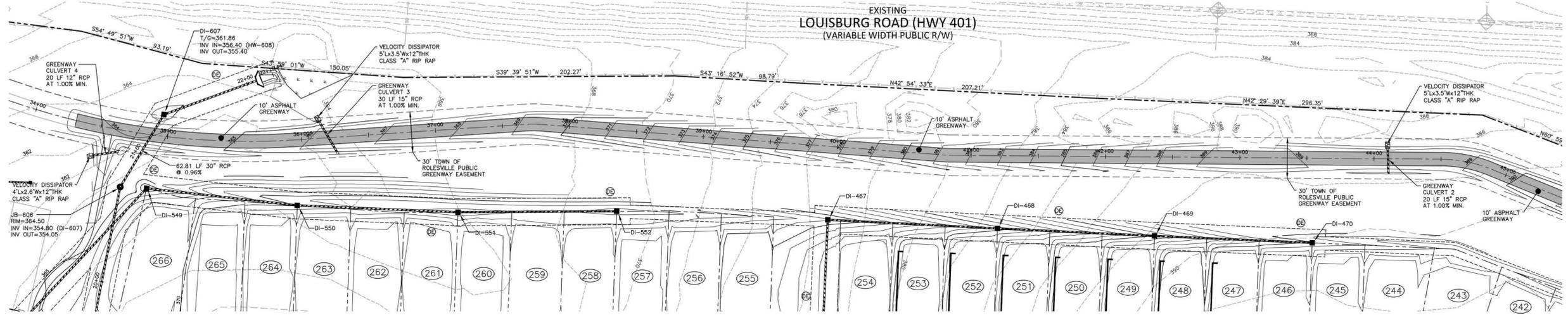
**Professional Engineer Seal:**  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 22630  
 WILLIAM T. O'DANIEL  
 Todd O'Daniel  
 Apr 19 2022 1:10 PM

**PLAN INFORMATION**  
 PROJECT NO. AWH-20000  
 FILENAME AWH20000-CD-PKG-01-P3  
 CHECKED BY WTO  
 DRAWN BY SRW  
 SCALE 1"=40'/1"=4'  
 DATE 03.21.2022

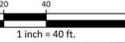
**PLAN AND PROFILE**  
 SS O/F "C", STA. 10+00 THRU STA. 12+00  
 GREENWAY "4", STA. 10+00 THRU STA. 13+50  
 SS O/F "J", STA. 10+00 THRU STA. 11+00

**C5.21**

FINAL DRAWING - RELEASED FOR CONSTRUCTION

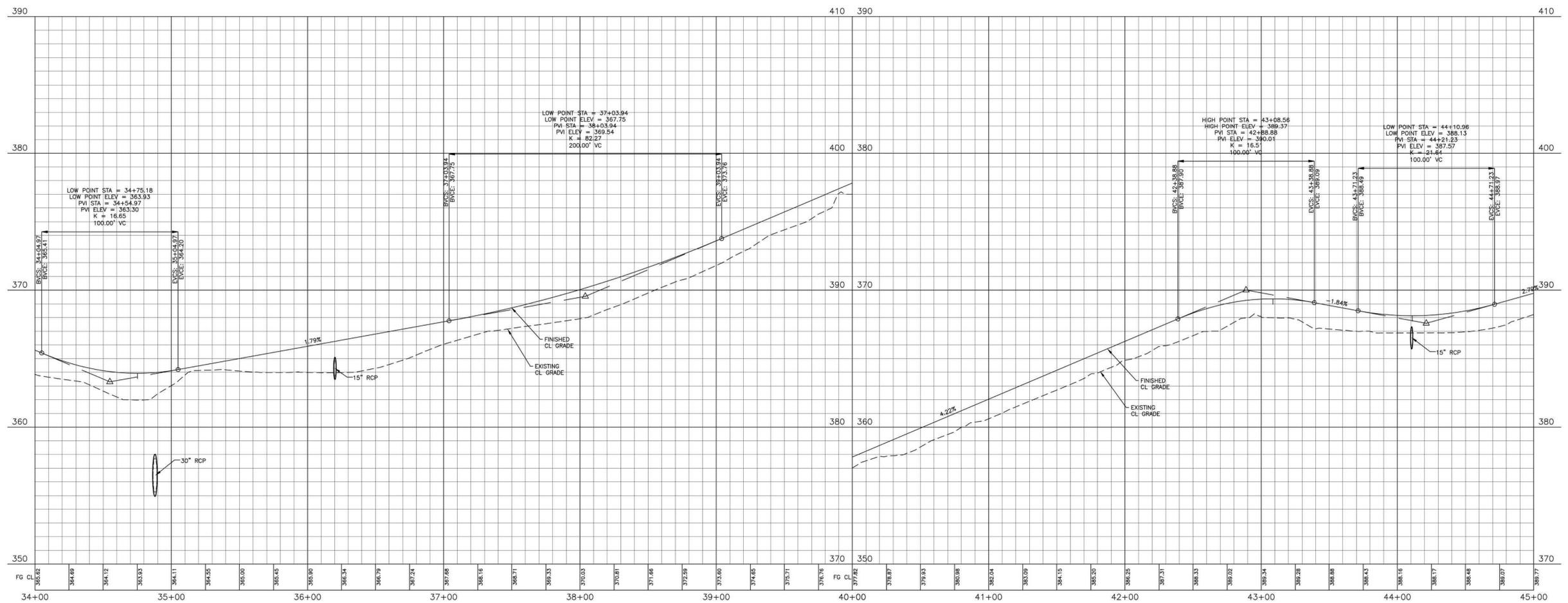


GRAPHIC SCALE



STORM DRAINAGE EASEMENT

## GREENWAY "3"



FINAL DRAWING - RELEASED FOR CONSTRUCTION



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ASHTON WOODS.

**REVISIONS**  
NO. DATE



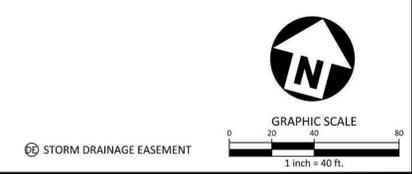
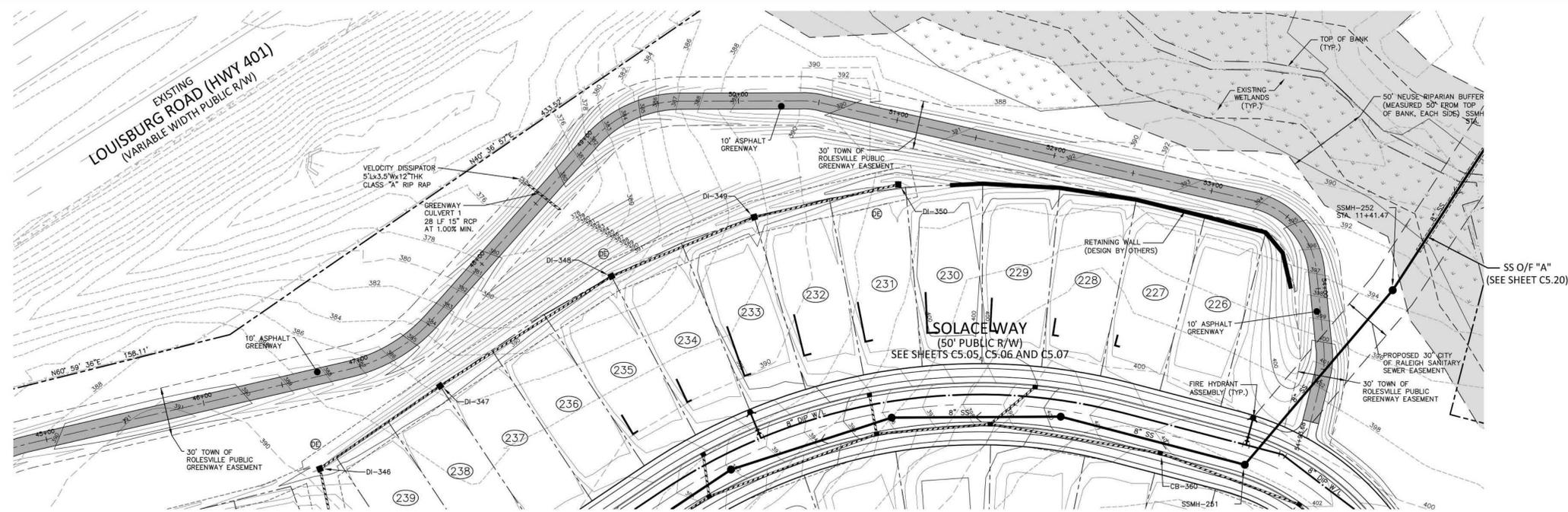
Todd O'Daniel  
Apr 6 2022 2:38 PM

**THE POINT - PHASES 1, 2, 6 AND 9**  
**CONSTRUCTION DRAWINGS - PACKAGE 1**  
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,  
WAKE COUNTY, NORTH CAROLINA

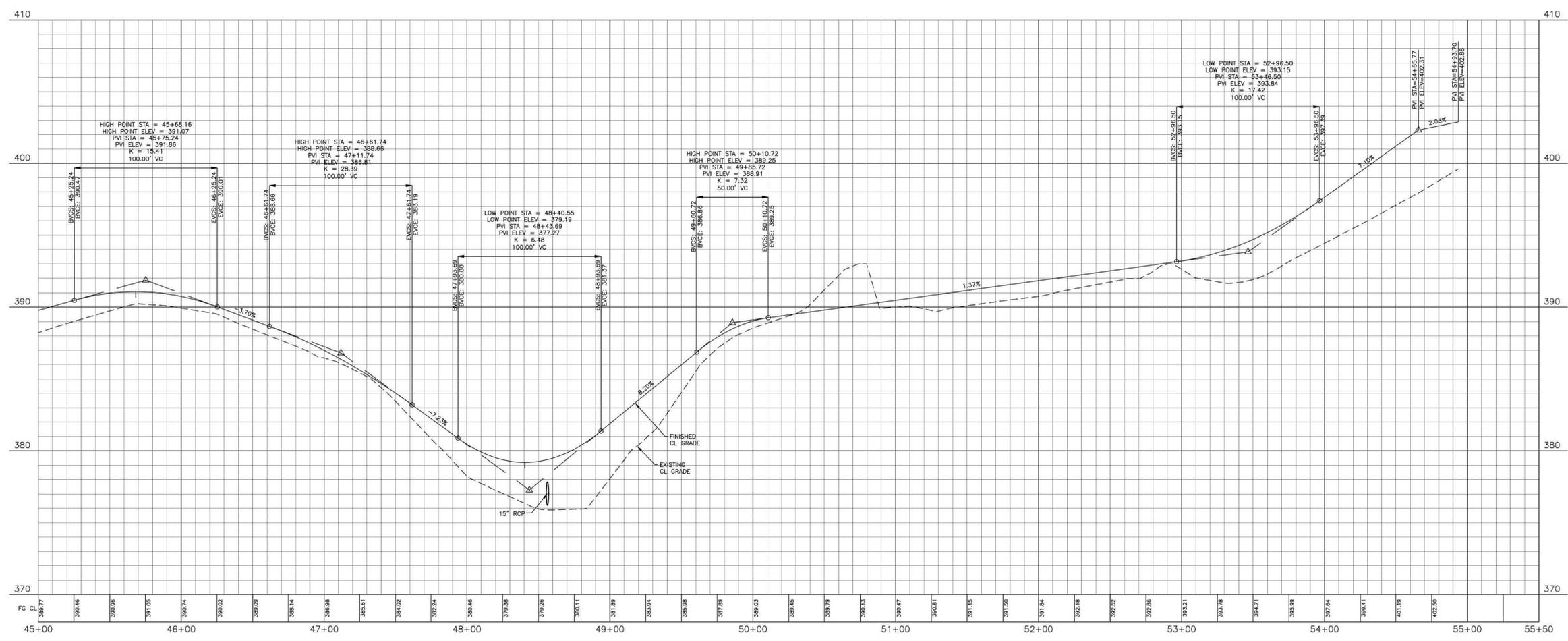
**PLAN INFORMATION**  
PROJECT NO. AWH-20000  
FILENAME AWH20000-CD-PKG-01-P3  
CHECKED BY WTO  
DRAWN BY SRW  
SCALE 1"=40'/1"=4'  
DATE 03. 21. 2022

**PLAN AND PROFILE**  
GREENWAY "3", STA. 34+00 THRU STA. 45+00

**C5.22**



## GREENWAY "3"



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FINAL DRAWING - RELEASED FOR CONSTRUCTION



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 ASHTON WOODS.

**REVISIONS**

NO.	DATE

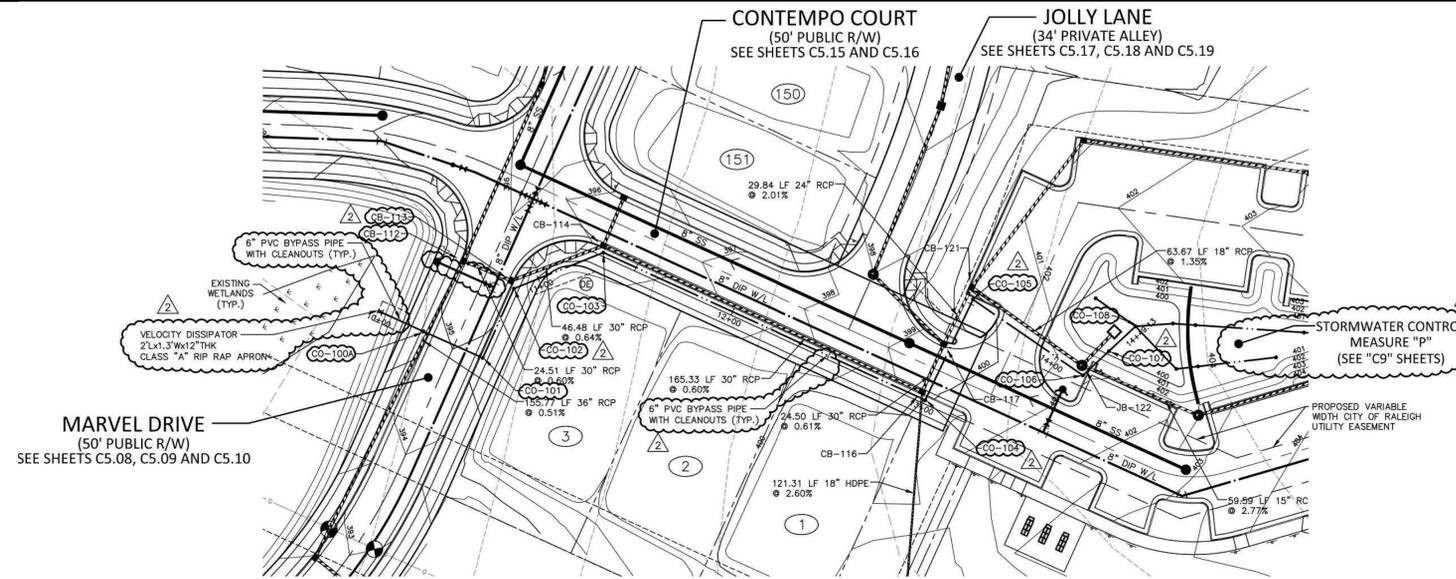
T. O'Daniel  
 Apr 6 2022 2:38 PM

**THE POINT - PHASES 1, 2, 6 AND 9**  
**CONSTRUCTION DRAWINGS - PACKAGE 1**  
 TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,  
 WAKE COUNTY, NORTH CAROLINA

**PLAN INFORMATION**

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-01-P3
CHECKED BY	WTO
DRAWN BY	SRW
SCALE	1"=40'/1"=4'
DATE	03. 21. 2022

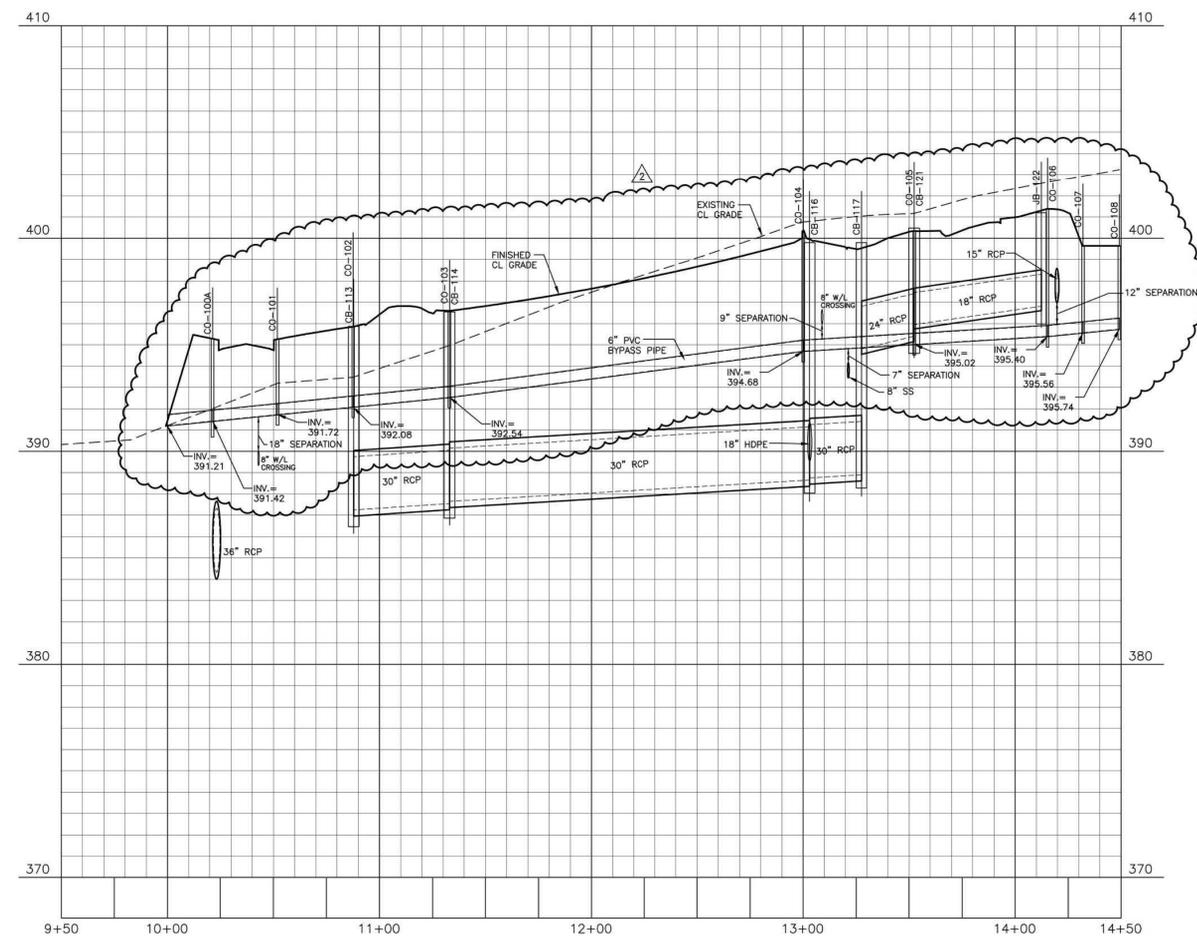
**PLAN AND PROFILE**  
 GREENWAY "3", STA. 45+00 THRU STA. 55+00  
  
C5.23



STORM DRAINAGE EASEMENT



## STORMWATER CONTROL MEASURE "P" BYPASS PIPE



M:\Projects\AWH\AWH-20000\Production\Engineering\Construction Drawings\AWH20000-CD-Pkg-01-P3.dwg, 3/27/2023 11:03:21 AM, Sherill Williams

FINAL DRAWING - RELEASED FOR CONSTRUCTION



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PHONE: 919. 422. 7663  
CONTACT: BOB MISHLER  
  
  
ASHTON WOODS.

**REVISIONS**

NO.	DATE	DESCRIPTION
2	03.07.2023	ADDED SCM "P" AND BYPASS PIPE.



William T O'Daniel  
c/o=William T O'Daniel, c=US,  
o=North Carolina,  
email=rodaniel@mcadamsco.com  
2023.03.20 12:35:06 -0400

**THE POINT - PHASES 1, 2, 6 AND 9**  
**CONSTRUCTION DRAWINGS - PACKAGE 1**  
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,  
WAKE COUNTY, NORTH CAROLINA

**PLAN INFORMATION**

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-01-P3
CHECKED BY	WTO
DRAWN BY	SRW
SCALE	1"=40'/1"=4'
DATE	03. 21. 2022

**PLAN AND PROFILE**  
SCM "P" BYPASS PIPE, STA. 10+00 THRU STA. 14+50  
  
**C5.24**

**EROSION CONTROL NOTES**

- ALL CONSTRUCTION SHALL CONFORM TO THE LATEST TOWN OF WENDELL AND WAKE COUNTY STANDARDS, SPECIFICATIONS AND DETAILS.
- GRADING AND EROSION CONTROL METHODS SHALL ADHERE TO THE WAKE COUNTY SOIL AND EROSION CONTROL STANDARDS AND SPECIFICATIONS.
- GRADING AND EROSION CONTROL METHODS SHALL ADHERE TO THE NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES DIVISION OF WATER QUALITY (DWQ) STANDARDS AND SPECIFICATIONS. WHERE DIFFERENT FROM WAKE COUNTY STANDARDS, THE MORE STRINGENT METHOD SHALL BE APPLIED.
- FAILURE TO FOLLOW THE APPROVED PLAN SEQUENCE AND DETAILS COULD SUBJECT THE CONTRACTOR TO FINES AND PENALTIES ISSUED BY EITHER THE COUNTY EROSION CONTROL DEPARTMENT OR THE DWQ.
- CONTRACTOR SHALL SEED AND STABILIZE ALL STEEP SLOPES (GREATER THAN 2H:1V) WITHIN 7 DAYS, 10 DAYS FOR MODERATE SLOPES (3H:1V OR GREATER) AND WITHIN 14 CALENDAR DAYS EVERYWHERE ELSE (STATE LAW 2009-486).
- FOR ANY LAND-DISTURBING ACTIVITY WHERE GRADING ACTIVITIES HAVE BEEN COMPLETED, TEMPORARY OR PERMANENT GROUND COVER SUFFICIENT TO RESTRAIN EROSION SHALL BE PROVIDED AS SOON AS PRACTICAL, BUT IN NO CASE LATER THAN SEVEN (7) DAYS AFTER COMPLETING THE WORK. STABILIZATION IS THE BEST FORM OF EROSION CONTROL. TEMPORARY SEEDING IS NECESSARY TO ACHIEVE EROSION CONTROL ON LARGE DENUDED AREAS AND ESPECIALLY WHEN SPECIFICALLY REQUIRED AS PART OF THE CONSTRUCTION SEQUENCE ON THE PLAN.
- NO DEBRIS SHALL BE TRACKED ONTO PUBLIC RIGHT OF WAY. IF THE SITUATION OCCURS WHERE MUD, ROCK AND DEBRIS IS TRACKED ONTO PAVEMENT, THE CONTRACTOR SHALL CLEAN THE PAVEMENT AND INSTALL ADDITIONAL MEASURES TO PREVENT THE FUTURE OCCURRENCE.
- THE EROSION CONTROL INSPECTOR MAY REQUIRE ADDITIONAL FIELD MEASURES AS NECESSARY TO PROVIDE ADEQUATE PROTECTION FROM RECEIVING WATER COURSES.
- EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSTALLED AND INSPECTED PRIOR TO ANY GRADING ON SITE. THE CONTRACTOR SHALL CALL FOR AN INSPECTION BY WAKE COUNTY SEDIMENTATION AND EROSION CONTROL (SEC) ONCE INITIAL MEASURES ARE IN PLACE. (SEE CONSTRUCTION SEQUENCE)
- CONTRACTOR SHALL INSPECT ALL SEDIMENT /EROSION CONTROL DEVICES AFTER EACH STORM EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE.
- A COPY OF THE APPROVED EROSION CONTROL PLAN MUST BE ON FILE AT THE JOB SITE AT ALL TIMES.
- CONSTRUCTION, MAINTENANCE, AND REMOVAL OF ALL EROSION CONTROL DEVICES ARE THE RESPONSIBILITY OF THE GRADING CONTRACTOR UNLESS OTHERWISE NOTED.
- ANY GRADING BEYOND THE DENUDED LIMITS SHOWN ON THE PLAN IS A VIOLATION OF THE CITY/COUNTY EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE.
- ADDITIONAL MEASURES TO CONTROL EROSION AND SEDIMENT MAY BE REQUIRED BY A REPRESENTATIVE OF THE CITY/COUNTY ENGINEERING DEPARTMENT AND ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- PROTECTION OF EXISTING VEGETATION: AT THE START OF GRADING INVOLVING THE STRIPPING OF TOPSOIL OR LOWERING OF EXISTING GRADE AROUND A TREE, A CLEAN, SHARP, VERTICAL CUT SHALL BE MADE AT THE EDGE OF THE TREE SAVE AREA AT THE SAME TIME AS OTHER EROSION CONTROL MEASURES ARE INSTALLED. THE TREE PROTECTION FENCING SHALL BE INSTALLED ON THE SIDE OF THE CUT FARTHEST AWAY FROM THE TREE TRUNK AND SHALL REMAIN IN PLACE UNTIL ALL CONSTRUCTION IN THE VICINITY OF THE TREES IS COMPLETE. NO STORAGE OF MATERIALS, FILL, OR EQUIPMENT AND NO TRESPASSING SHALL BE ALLOWED WITHIN THE BOUNDARY OF THE PROTECTED AREA AND SHALL BE POSTED ON THE PROTECTION FENCE. A PROTECTION FENCE CONSTRUCTED OF MATERIAL RESISTANT TO DEGRADATION BY SUN, WIND, AND MOISTURE FOR THE DURATION OF THE CONSTRUCTION, SHALL BE INSTALLED AT THE SAME TIME AS THE EROSION CONTROL MEASURES AND SHALL BE IN PLACE UNTIL ALL CONSTRUCTION IN THE VICINITY OF THE TREES IS COMPLETE.
- A CONSTRUCTION SEQUENCE HAS BEEN PROVIDED. INSTALLATION OF ALL PROPOSED SEDIMENTATION & EROSION CONTROL MEASURES IN THE SEQUENCE(S) PROVIDED AND MAINTENANCE OF THOSE DEVICES IS REQUIRED. THE CONTRACTOR MAY BE ALLOWED, WITH PRIOR APPROVAL FROM THE OWNER, TO COORDINATE CHANGES TO THE PLAN WITH THE ON-SITE SEDIMENTATION & EROSION CONTROL INSPECTOR AND THE ENGINEER.
- PROVIDE INLET PROTECTION AROUND ALL SITE STORM INLETS. PROTECT OPEN PIPES UNDER CONSTRUCTION WITH EITHER PLYWOOD OR WITH MESH AND GRAVEL WEIRS. RUNOFF SHALL NOT BE ALLOWED IN ANY OPEN TRENCH.
- CONTRACTOR WILL FIELD LOCATE SILT FENCE OUTLETS AT LOW POINTS IN SILT FENCE AS REQUIRED TO PROVIDE RELIEF FROM CONCENTRATED FLOWS.
- TEMPORARY DIVERSIONS SHALL BE MAINTAINED DAILY BY CONTRACTOR SO THAT THEY ARE FUNCTIONAL AT THE END OF EACH WORKDAY AND WHEN STOPPING WORK FOR RAIN.
- ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE OWNER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR ANY WORK DONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
- DISTURBANCE OUTSIDE OF THE SITE PROPERTY LIMITS OR PUBLIC RIGHT-OF-WAY SHALL ONLY BE AS ALLOWED BY SIGNED GRADING AGREEMENTS AND/OR EASEMENTS BETWEEN THE DEVELOPER AND THE OFFSITE PROPERTY OWNER.
- THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN SAFE OPEN ACCESS TO ALL PROPERTIES ALONG ADJACENT PROPERTIES DURING CONSTRUCTION PERIOD FOR IMPROVEMENTS.
- STORM DRAINAGE STRUCTURE LOCATIONS AND PIPE SIZES SUBJECT TO FINAL CONSTRUCTION DRAWING APPROVAL.

**CONSTRUCTION SEQUENCE - STAGE 1:**

- OBTAIN GRADING PERMIT FROM THE WAKE COUNTY ENVIRONMENTAL SERVICES DEPARTMENT.
- CALL ENVIRONMENTAL CONSULTANT JEEVAN NEUPANE, PE (919-819-8907) TO SCHEDULE A PRE-CONSTRUCTION MEETING. NOTIFY OWNER AND ENGINEER WHEN PRECON IS SCHEDULED SO THEY MAY ALSO ATTEND.
- CONTRACTOR WILL BE REQUIRED TO SUBMIT SITE NPDES STORMWATER PERMIT FOR CONSTRUCTION ACTIVITY (NCGD10000) TO WAKE COUNTY INSPECTIONS THROUGHOUT THE PROJECT.
- INSTALL THE FOLLOWING EROSION AND SEDIMENTATION CONTROL DEVICES PER THE APPROVED PLAN IN THE FOLLOWING ORDER:
  - GRAVEL CONSTRUCTION ENTRANCES AND TEMPORARY ACCESS ROADS.
  - TREE PROTECTION FENCE
  - SILT FENCING SURROUNDING SITE WITH SILT FENCE OUTLETS.
  - INLET PROTECTION FOR EXISTING INLETS WITHIN ROADWAYS.
  - SKIMMER BASINS WITH POROUS BAFFLES AND OUTLET PROTECTION.
  - TEMPORARY DIVERSION DITCHES WITH SPECIFIED LINERS.
  - RETAINING WALL AT SEDIMENT BASIN SB-1.
  - STORM DRAINAGE BY-PASS SYSTEM "600" FROM EW-600 AT ON-SITE STREAM BUFFER TO HW-608 NEAR NC HWY 401.
- CLEAR ONLY AS NECESSARY TO INSTALL THESE DEVICES.
- CLEAR AND GRUB AREA FOR FUTURE CONSTRUCTION. CONTRACTOR TO COORDINATE WITH DEVELOPER TO OBTAIN NECESSARY OFFSITE EASEMENTS.
- WHEN STAGE 1 CONSTRUCTION IS COMPLETE, CALL WAKE COUNTY ENVIRONMENTAL SERVICES FOR INSPECTION. PROCEED TO STAGE 2.
- MAINTAIN DEVICES AS NEEDED IN ACCORDANCE WITH THE NOTES ON THIS SHEET.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN 14 DAYS OF INACTIVITY.
- CONTRACTOR SHALL INSPECT AND REPAIR ALL EROSION CONTROL DEVICES ONCE PER WEEK AND AFTER EVERY RAINFALL EVENT. GRADING ACTIVITY SHALL BE PROHIBITED IN THE AREAS OF THE SEDIMENT CONTROL DEVICES UNTIL THE AREAS UPSTREAM OF THESE DEVICES HAVE BEEN STABILIZED AND APPROVED.

**CONSTRUCTION SEQUENCE - STAGE 2:**

- BEGIN MASS GRADING OF SITE. AS AREAS ARE BROUGHT UP TO PROPOSED GRADE, STABILIZE SITE WITH VEGETATION. ADJUST DIVERSION DITCHES AS NECESSARY TO MAINTAIN FLOW TO SKIMMER BASINS.
- CONTRACTOR TO MAINTAIN POSITIVE DRAINAGE IN DIVERSION DITCHES AND TO SEDIMENT BASINS AT ALL TIMES THROUGHOUT CONSTRUCTION
- SUBMIT DOCUMENTATION REQUIRED UNDER THE SITE NPDES STORMWATER PERMIT FOR CONSTRUCTION ACTIVITY (NCGD10000) TO WAKE COUNTY THROUGHOUT THE PROJECT.
- ALL OFF-SITE STREETS SHALL BE KEPT CLEAN AS NOTED IN EROSION CONTROL NOTES DURING HAUL OFF OF EXCAVATED MATERIAL.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN 14 DAYS OF INACTIVITY.
- PRIOR TO THE REMOVAL, REDUCTION OR CONVERSION OF ANY SEDIMENT BASIN, THE CONTRACTOR IS TO CONTACT THE WAKE COUNTY ENVIRONMENTAL CONSULTANT JEEVAN NEUPANE, PE (919-819-8907).

**EROSION CONTROL MAINTENANCE PLAN**

- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CHECKED BY THE SITE CONTRACTOR FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCING RAINFALL BUT IN NO CASE LESS THAN ONCE EVERY WEEK. ANY NEEDED REPAIRS SHALL BE MADE IMMEDIATELY TO MAINTAIN ALL MEASURES AS DESIGNED.
- THE SEDIMENT BASINS SHALL BE INSPECTED REGULARLY DURING LAND DISTURBING ACTIVITIES AND AFTER EACH RUNOFF-PRODUCING RAINFALL. SEDIMENT SHALL BE REMOVED AND THE BASIN RESTORED TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH OF EACH BASIN. PORTIONS OF THE BASIN'S GRAVEL FACING THAT ARE CONTAMINATED BY SEDIMENT SHALL BE REPLACED WITH FRESH GRAVEL DURING EACH SEDIMENT REMOVAL EPISODE.
- SEDIMENT FENCES SHALL BE INSPECTED AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. REPAIRS SHALL BE MADE IMMEDIATELY. SEDIMENT DEPOSITS SHALL BE REMOVED AS NEEDED TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAINFALL EVENT, AND TO REDUCE PRESSURE ON THE FENCE. FENCING MATERIALS AND SEDIMENT DEPOSITS SHALL BE REMOVED, AND THE AREA BROUGHT TO GRADE FOLLOWING STABILIZATION OF UPGRADIENT DISTURBED AREAS.
- DIVERSION DITCHES MUST REMAIN IN PLACE UNTIL PROJECT IS STABILIZED. PERMISSION SHALL BE GIVEN BY THE EROSION CONTROL INSPECTOR FOR REMOVAL UPON COMPLETION OF PERMANENT UPSTREAM STABILIZATION.

**STOCKPILE NOTES**

- DESIGN CRITERIA
- STOCKPILE FOOTPRINTS SHALL BE SETBACK A MINIMUM OF 25' FROM ADJACENT PROPERTY LINES.
  - STOCKPILE HEIGHT SHALL NOT EXCEED 35 FEET.
  - STOCKPILE SLOPES SHALL BE 2:1 OR FLATTER.
  - OFF-SITE SPOIL OR BORROW AREAS MUST BE IN COMPLIANCE WITH WAKE COUNTY UDO AND STATE REGULATIONS. ALL SPOIL AREAS OVER AN ACRE ARE REQUIRED TO HAVE AN APPROVED SEDIMENT CONTROL PLAN. DEVELOPER/CONTRACTOR SHALL NOTIFY WAKE COUNTY OF ANY OFFSITE DISPOSAL OF SOIL, PRIOR TO DISPOSAL. FILL OF FEMA FLOODWAYS AND NON-ENCROACHMENT AREAS ARE PROHIBITED EXCEPT AS OTHERWISE PROVIDED BY SUBSECTION 14-19-2 OF THE WAKE COUNTY UNIFIED DEVELOPMENT ORDINANCE (CERTIFICATIONS AND PERMITS REQUIRED).
  - SEEDING OR COVERING STOCKPILES WITH TARPS OR MULCH IS REQUIRED AND WILL REDUCE EROSION PROBLEMS. TARPS SHOULD BE KEED IN AT THE TOP OF THE SLOPE TO KEEP WATER FROM RUNNING UNDERNEATH THE PLASTIC.
  - IF A STOCKPILE IS TO REMAIN FOR FUTURE USE AFTER THE PROJECT IS COMPLETE (BUILDERS, ETC.), THE FINANCIAL RESPONSIBLE PARTY MUST NOTIFY WAKE COUNTY OF A NEW RESPONSIBLE PARTY FOR THAT STOCKPILE.
  - THE USE OF STAGED SEEDING AND MULCHING ON A CONTINUAL BASIS WHILE THE STOCKPILE IS IN USE IS REQUIRED.
  - ESTABLISH AND MAINTAIN A VEGETATIVE BUFFER AT THE TOE OF THE SLOPE (WHERE PRACTICAL).
  - STOCKPILE MUST HAVE SILT FENCE WRAPPED AROUND THE LOW SIDE(S) AND A SILT FENCE OUTLET AT ALL LOW POINTS.

**Basin Removal Sequence**

- SCHEDULE A SITE MEETING WITH THE ENVIRONMENTAL ENGINEER/CONSULTANT TO DETERMINE IF A BASIN CAN BE REMOVED. INSTALL SILT FENCING OR OTHER TEMPORARY EROSION CONTROL MEASURES AS NEEDED PRIOR TO REMOVAL OF THE BASIN.
- REMOVE BASIN(S) AND ASSOCIATED TEMPORARY DIVERSION DITCHES. IF CULVERT PIPES NEED TO BE EXTENDED, PERFORM THIS OPERATION AT THIS TIME. FINE GRADE AREA IN PREPARATION FOR SEEDING.
- PERFORM SEEDBED PREPARATION, SEED, MULCH AND ASPHALT TACK ANY RESULTING BARE AREAS IMMEDIATELY.
- INSTALL VELOCITY DISSIPATORS AND/OR LEVEL SPREADERS AS REQUIRED ON THE EROSION CONTROL PLAN.
- WHEN SITE IS FULLY STABILIZED, CALL ENVIRONMENTAL ENGINEER/CONSULTANT FOR APPROVAL OF REMOVING REMAINING TEMPORARY EROSION CONTROL MEASURES AND ADVICE ON WHEN SITE CAN BE ISSUED A CERTIFICATE OF COMPLETION.

NOTE: A MEETING SHOULD ALSO BE SCHEDULED WITH THE ENVIRONMENTAL ENGINEER/CONSULTANT TO DETERMINE WHEN A BASIN MAY BE CONVERTED FOR STORMWATER USE. SOME MUNICIPALITIES MAY ALSO REQUIRE THIS.

**TEMPORARY DIVERSION DITCH DESIGN TABLE**

TEMPORARY DIVERSION ID	TD-1	TD-2	TD-3	TD-4	TD-5	TD-6	TD-7	TD-8	TD-9	TD-10	TD-11	TD-12	TD-13	TD-14	TD-15
MINIMUM DEPTH (FT)	1.11	0.53	0.58	0.61	0.79	1.15	1.03	0.80	1.20	1.14	0.71	1.37	1.0	1.19	0.70
MINIMUM BOTTOM WIDTH (FT)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CALCULATED VELOCITY	8.27	1.10	6.05	6.91	2.12	3.33	3.11	6.96	6.89	2.47	2.25	3.18	2.52	3.21	1.74
ALLOWABLE VELOCITY	10.5	5.0	10.0	10.0	5.0	5.0	5.0	10.0	9.0	5.00	5.00	5.0	5.0	5.0	5.0
CALCULATED SHEAR STRESS	5.33	0.33	1.63	1.97	0.96	1.29	1.35	1.60	2.49	0.71	1.09	0.85	0.94	1.19	0.66
ALLOWABLE SHEAR STRESS	10.0	1.55	2.25	2.25	1.55	1.55	1.55	2.25	8.00	1.55	1.55	1.55	1.55	1.55	1.55
TEMPORARY LINER SPECIFICATION*	ERONET S75	ERONET S75	ERONET S75	ERONET S75	ERONET S75	ERONET S75	ERONET S75	ERONET S75	ERONET S75	ERONET S75	ERONET S75	ERONET S75	ERONET S75	ERONET S75	ERONET S75

\* ALL SPECIFICATIONS ARE NORTH AMERICAN GREEN ROLLMAX PRODUCTS OR EQUAL

SEDIMENT TRAP ID	SEDIMENT TRAP DESIGN TABLE							
	SB-1	SB-2	SB-3	SB-A	SB-C	SB-D	SB-E	SB-F
Qto (CFS)	34.5 cfs	36.1 cfs	22.5 cfs	35.1 cfs	42.0 cfs	57.7 cfs	31.7 cfs	26.2 cfs
Bottom Length	162 ft	164 ft	129 ft	N/A	N/A	N/A	N/A	N/A
Bottom Width	81 ft	84 ft	64 ft	N/A	N/A	N/A	N/A	N/A
Sediment Depth	2.0 ft	2.0 ft	2.0 ft	3.8 ft	4.0 ft	4.0 ft	4.0 ft	3.5 ft
Freeboard (from Sediment Depth)	1.5 ft	1.5 ft	1.5 ft	2.3 ft	2.0 ft	2.0 ft	3.5 ft	2.0 ft
Depth to Crest of Spillway	2.0 ft	2.0 ft	2.0 ft	2.0 ft	4.0 ft	4.0 ft	4.0 ft	3.5 ft
Side Slopes <sup>1</sup>	2.0H:1V	2.0H:1V	2.0H:1V	3.0H:1V	3.0H:1V	3.0H:1V	3.0H:1V	3.0H:1V
Spillway Length	12 ft	15 ft	15 ft	16 ft	20 ft	16 ft	16 ft	24 ft
Height of Berm	4 ft	4 ft	4 ft	6 ft	6 ft	6 ft	6 ft	6 ft
Top of Trap Length	176 ft	178 ft	143 ft	N/A	N/A	N/A	N/A	N/A
Top of Trap Width	95 ft	98 ft	78 ft	N/A	N/A	N/A	N/A	N/A
Storage Volume Required	14328 cf	15282 cf	9360 cf	16164 cf	20934 cf	34884 cf	15822 cf	11394 cf
Storage Volume Prov'd.	28230 cf	29570 cf	18090 cf	49130 cf	62666 cf	87680 cf	116590 cf	88650 cf
Sediment Surface Area Req'd	15000 sf	15720 sf	9800 sf	15250 sf	18270 sf	25120 sf	13810 sf	11390 sf
Sediment Surface Area Prov'd	15130 sf	15820 sf	9860 sf	15970 sf	18760 sf	25620 sf	13470 sf	22660 sf
Drainage Area (AC.)	7.96 ac	8.49 ac	5.20 ac	8.98 ac	11.63 ac	19.38 ac	8.79 ac	6.33 ac
Disturbed Area (AC.)	7.96 ac	8.49 ac	5.20 ac	8.98 ac	11.63 ac	19.38 ac	8.79 ac	6.33 ac

Trap ID	Drawdown	Skimmer Type(s)
SB-1	3 DAYS	1 - 2.5 inch Skimmers with a(n) 2.25 inch orifice
SB-2	3 DAYS	1 - 2.5 inch Skimmers with a(n) 2.5 inch orifice
SB-3	3 DAYS	1 - 2.0 inch Skimmers with a(n) 2.0 inch orifice
SB-A	3 DAYS	1 - 2.5 inch Skimmers with a(n) 2.5 inch orifice
SB-C	3 DAYS	1 - 3.0 inch Skimmers with a(n) 2.75 inch orifice
SB-D	3 DAYS	1 - 4.0 inch Skimmers with a(n) 3.25 inch orifice
SB-E	3 DAYS	1 - 2.5 inch Skimmers with a(n) 2.5 inch orifice
SB-F	3 DAYS	1 - 2.0 inch Skimmers with a(n) 1.75 inch orifice

Notes:  
 1. Side slopes pertain only for the vertical height from the base to the top of berm, 2H:1V above that.  
 2. See details regarding skimmer design specifications  
 3. See details on all fence baffle spacing.

**SEEDING AND MULCHING**

SEEDING AND MULCHING SHALL BE CARRIED OUT IMMEDIATELY BEHIND CONSTRUCTION IN ACCORDANCE WITH FOLLOWING SPECIFICATIONS.

SEEDING SPECIFICATIONS			
SHOULDER, SIDE DITCHES, SLOPES (MAX 3:1)			
SEEDING PERIOD	TYPE	APPLICATION RATE	
		PER ACRE	PER 1000 SF
AUGUST 15 - NOVEMBER 1	TALL FESCUE	300#	7#
NOVEMBER 1 - MARCH 1	TALL FESCUE AND	300#	7#
	ABRUZZI RYE	25#	0.6#
MARCH 1 - APRIL 15	TALL FESCUE	300#	7#
APRIL 15 - JUNE 30	HULLED COMMON BERMUDAGRASS	25#	0.6#
JULY 1 - AUGUST 15	TALL FESCUE AND	120#	2.8#
	*BROWNTOP MILLET	35#	0.8#
	*OR SORGHUM-SUDAN HYBRIDS	30#	0.7#

SEEDING SPECIFICATIONS			
SLOPES (3:1 TO 2:1)			
SEEDING PERIOD	TYPE	APPLICATION RATE	
		PER ACRE	PER 1000 SF
MARCH 1 - JUNE 1	SERICA LESPEDeza (SCARIFIED)	50#	1.2#
	AND		
MARCH 1 - APRIL 15	ADD TALL FESCUE	120#	2.8#
MARCH 1 - JUNE 30	OR ADD WEEPING LOVE GRASS	10#	0.2#
MARCH 1 - JUNE 30	OR ADD HULLED COMMON BERMUDAGRASS	25#	0.6#
JUNE 1 - SEPTEMBER 1	*TALL FESCUE AND	120#	2.8#
	*OR BROWNTOP MILLET	35#	0.8#
	*OR SORGHUM-SUDAN HYBRIDS	30#	0.7#
SEPTEMBER 1 - MARCH 1	SERICA LESPEDeza (UNHULLED, UNSCARIFIED)	70#	1.6#
	AND TALL FESCUE	120#	2.8#
NOVEMBER 1 - MARCH 1	ADD ABRUZZI RYE	25#	0.6#

\*TEMPORARY - RESEED ACCORDING TO OPTIMUM SEASON FOR DESIRED PERMANENT VEGETATION. DO NOT ALLOW TEMPORARY COVER TO GROW TO MORE THAN 12 INCHES HEIGHT BEFORE MOWING, OTHERWISE FESCUE MAY BE SHADED OUT.

CONSULT WAKE SOIL AND WATER CONSERVATION DISTRICT OR NORTH CAROLINA DIVISION OF SOIL AND WATER CONSERVATION FOR ADDITIONAL INFORMATION CONCERNING OTHER ALTERNATIVES FOR VEGETATION OF DENUDED AREAS. THE ABOVE VEGETATION RATES ARE THOSE THAT DO WELL UNDER LOCAL CONDITIONS; OTHER SEEDING RATE COMBINATIONS ARE POSSIBLE.

**SEEDBED PREPARATION**

- CHISEL COMPACTED AREAS AND SPREAD TOPSOIL 3 INCHES DEEP OVER ADVERSE SOIL CONDITIONS, IF AVAILABLE.
- RIP THE ENTIRE AREA TO 6-INCH DEPTH.
- REMOVE ALL LOOSE ROCK, ROOTS AND OTHER OBSTRUCTIONS LEAVING SURFACE REASONABLE SMOOTH AND UNIFORM.
- APPLY AGRICULTURAL LIME, FERTILIZER AND SUPERPHOSPHATE UNIFORMLY AND MIX WITH SOIL (SEE BELOW).
- CONTINUE TILLAGE UNTIL A WELL-PULVERIZED, FIRM, REASONABLE UNIFORM SEEDBED IS PREPARED 4 TO 6 INCHES DEEP.
- SEED ON A FRESHLY PREPARED SEEDBED AND COVER SEED LIGHTLY WITH SEEDING EQUIPMENT OR CULTIPACK AFTER SEEDING.
- MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH.
- INSPECT ALL SEEDBED AREAS AND MAKE NECESSARY REPAIRS OR RESEEDINGS WITHIN THE PLANTING SEASON, IF POSSIBLE. IF STAND SHOULD BE OVER 60 PERCENT DAMAGED, RE-ESTABLISH FOLLOWING ORIGINAL LIME, FERTILIZER AND SEEDING RATES.
- CONSULT WAKE SOIL AND WATER CONSERVATION DISTRICT ON MAINTENANCE TREATMENT AND FERTILIZATION AFTER PERMANENT COVER IS ESTABLISHED.
- APPLY:
 

AGRICULTURAL LIMESTONE	- 2 TONS/ACRE (3/TONS/ACRES IN CLAY SOILS)
FERTILIZER	- 1000 LB/ACRE -10-10-10
SUPERPHOSPHATE	- 500 LB/ACRE - 20 PERCENT ANALYSIS
MULCH	- 2 TONS/ACRE - SMALL GRAIN STRAW
ANCHOR	- ASPHALT EMULSION @ 300 GALS/ACRE



Know what's below.  
Call before you dig.

ALL CONSTRUCTION SHALL CONFORM WITH THE LATEST VERSION OF THE TOWN OF ROLESVILLE AND WAKE COUNTY SPECIFICATIONS AND DETAILS.

CONTRACTOR SHALL NOTIFY "NC811" (811) OR (1-800-632-4949) AT LEAST 3 FULL BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED. CONTRACTOR SHALL CONTACT ANY LOCAL UTILITIES THAT PROVIDE THEIR OWN LOCATOR SERVICES INDEPENDENT OF "NC811". REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.

DISTURBED AREA = 80.36 AC.



**McADAMS**

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license number: C-0293, C-187

www.mcadamsco.com

**CLIENT**

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



**THE POINT**  
**PHASES 1, 2, 6 AND 9**  
**CONSTRUCTION DRAWINGS - PACKAGE 1**  
**EAST YOUNG STREET**  
 TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,  
 WAKE COUNTY, NORTH CAROLINA



William T. O'Daniel  
Mar 21 2022 8:54 AM

**REVISIONS**

NO. DATE

**PLAN INFORMATION**

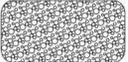
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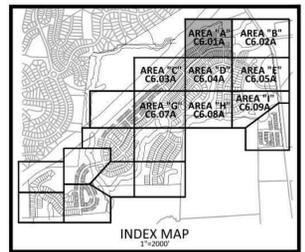
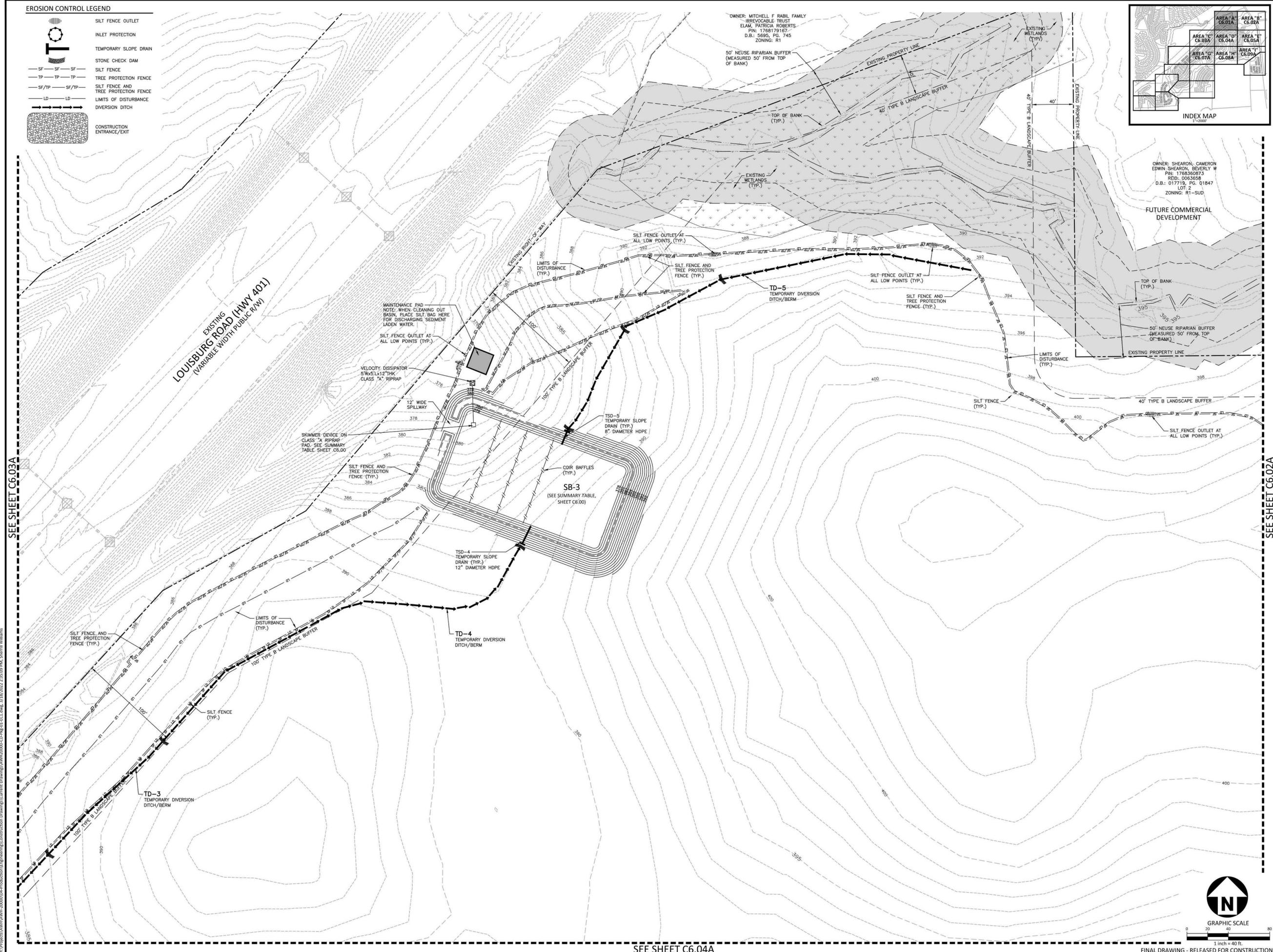
**SHEET**

**EROSION CONTROL NOTES**

**C6.00**

EROSION CONTROL LEGEND

-  SILT FENCE OUTLET
-  INLET PROTECTION
-  TEMPORARY SLOPE DRAIN
-  STONE CHECK DAM
-  SILT FENCE
-  TREE PROTECTION FENCE
-  SILT FENCE AND TREE PROTECTION FENCE
-  LIMITS OF DISTURBANCE
-  DIVERSION DITCH
-  CONSTRUCTION ENTRANCE/EXIT




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ASHTON WOODS.

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



Todd O'Daniel  
Mar 21 2022 8:54 AM  
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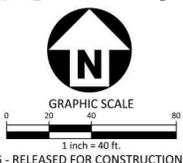
**REVISIONS**

NO.	DATE

**PLAN INFORMATION**

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FILENAME	AWH20000-CD-PKG-01-EC1
CHECKED BY	.
DRAWN BY	.
SCALE	1"=40'
DATE	03. 21. 2022

**SHEET**  
**EROSION CONTROL PLAN**  
**STAGE 1**  
**AREA "A"**  
**C6.01A**



SEE SHEET C6.03A

SEE SHEET C6.02A

SEE SHEET C6.04A

FINAL DRAWING - RELEASED FOR CONSTRUCTION

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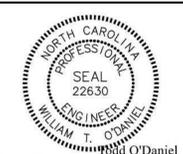
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TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,  
WAKE COUNTY, NORTH CAROLINA



W.T. O'Daniel Mar 21 2022 8:55 AM

**REVISIONS**

NO.	DATE

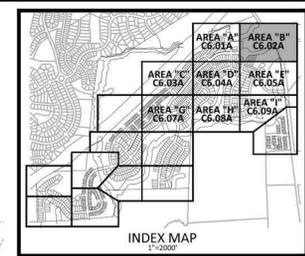
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 DATE 03. 21. 2022

**SHEET**

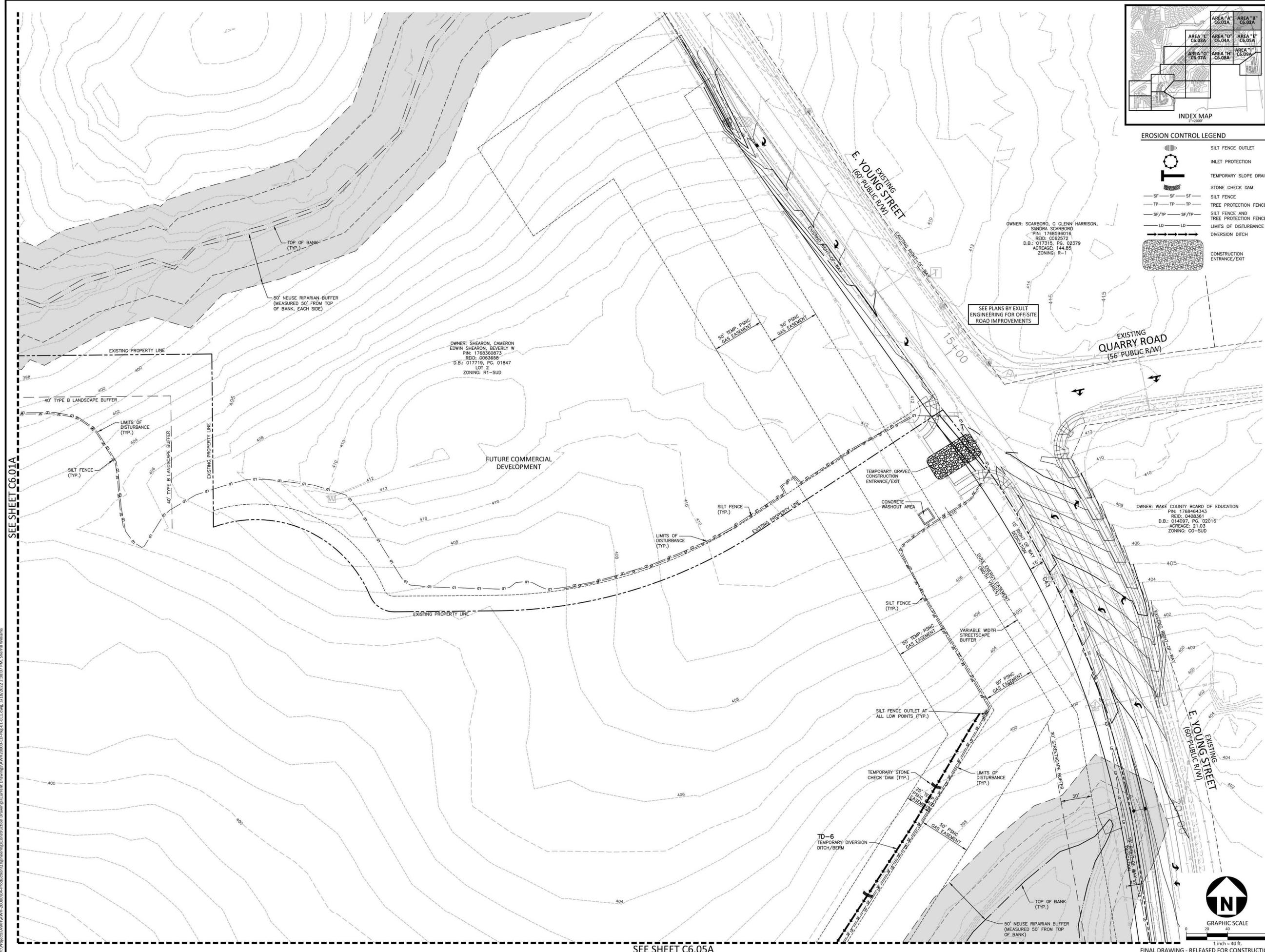
**EROSION CONTROL PLAN  
STAGE 1  
AREA "B"**

**C6.02A**



**EROSION CONTROL LEGEND**

- SILT FENCE OUTLET
- INLET PROTECTION
- TEMPORARY SLOPE DRAIN
- STONE CHECK DAM
- SILT FENCE
- TREE PROTECTION FENCE
- SILT FENCE AND TREE PROTECTION FENCE
- LIMITS OF DISTURBANCE
- DIVERSION DITCH
- CONSTRUCTION ENTRANCE/EXIT



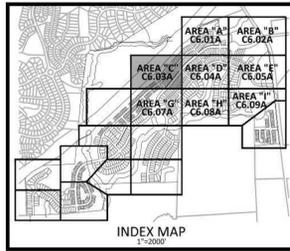
SEE SHEET C6.01A

SEE SHEET C6.05A

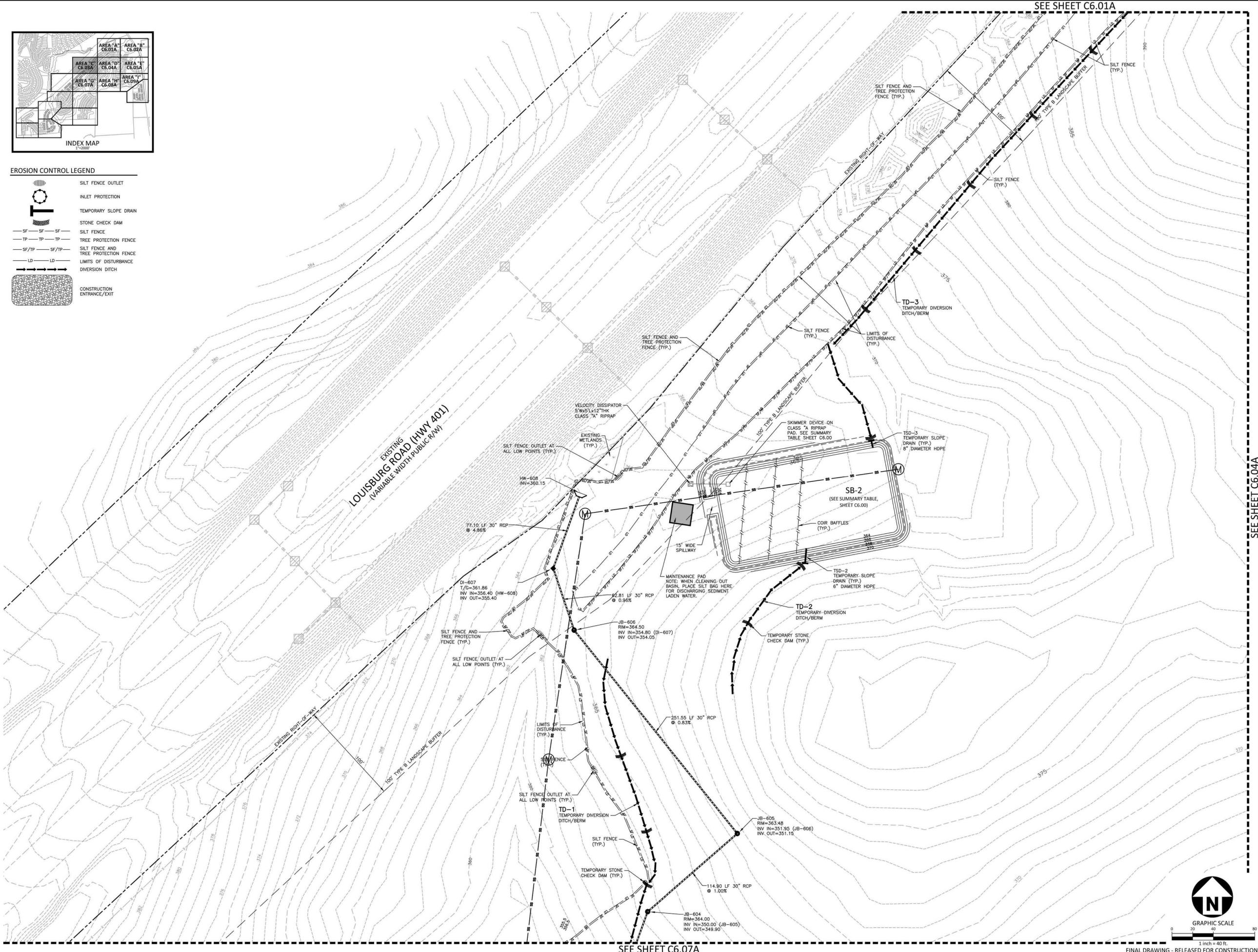


FINAL DRAWING - RELEASED FOR CONSTRUCTION

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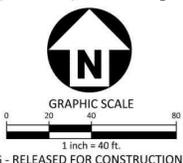
**EROSION CONTROL LEGEND**



SEE SHEET C6.01A

SEE SHEET C6.04A

SEE SHEET C6.07A



FINAL DRAWING - RELEASED FOR CONSTRUCTION

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WAKE COUNTY, NORTH CAROLINA



Todd O'Daniel  
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**REVISIONS**

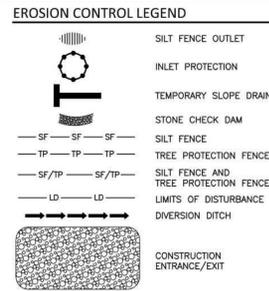
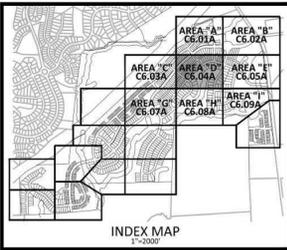
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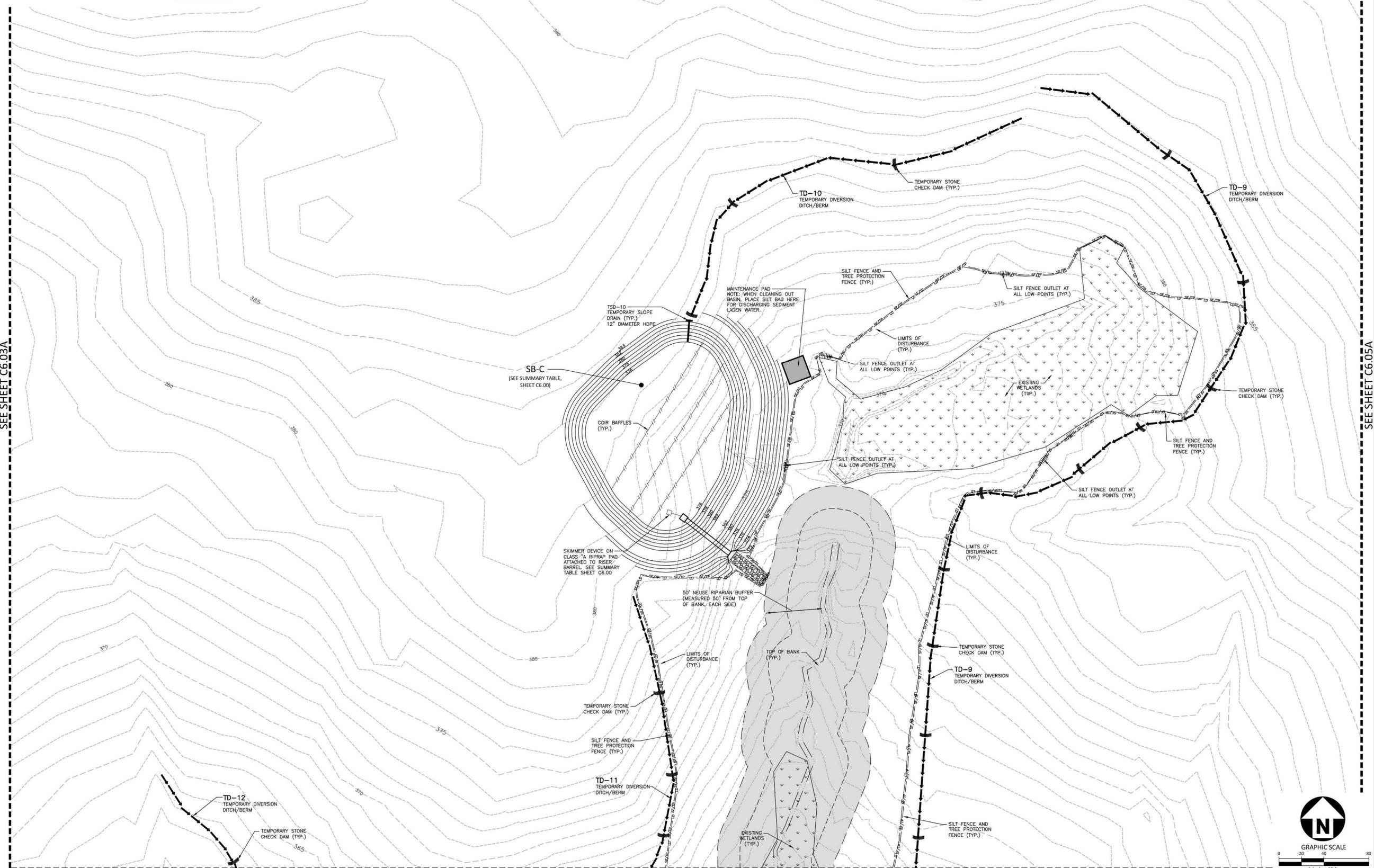
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SCALE 1"=40'  
DATE 03. 21. 2022

**SHEET**  
**EROSION CONTROL PLAN**  
**STAGE 1**  
**AREA "C"**  
**C6.03A**

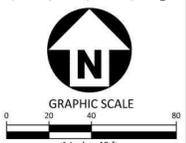
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SEE SHEET C6.01A



SEE SHEET C6.08A



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Durham, NC 27713  
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fax 919. 361. 2269  
license number: C-0293, C-187  
www.mcadamsco.com

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



**THE POINT**  
**PHASES 1, 2, 6 AND 9**  
**CONSTRUCTION DRAWINGS - PACKAGE 1**  
EAST YOUNG STREET  
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,  
WAKE COUNTY, NORTH CAROLINA

W.T. O'Daniel  
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**REVISIONS**

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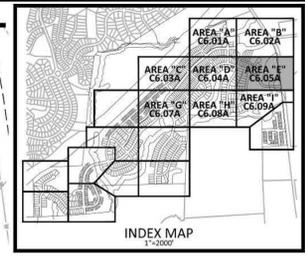
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**SHEET**  
**EROSION CONTROL PLAN**  
**STAGE 1**  
**AREA "D"**  
**C6.04A**

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SEE SHEET C6.02A



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**ASHTON WOODS**

**THE POINT**  
**PHASES 1, 2, 6 AND 9**  
**CONSTRUCTION DRAWINGS - PACKAGE 1**  
**EAST YOUNG STREET**  
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,  
WAKE COUNTY, NORTH CAROLINA

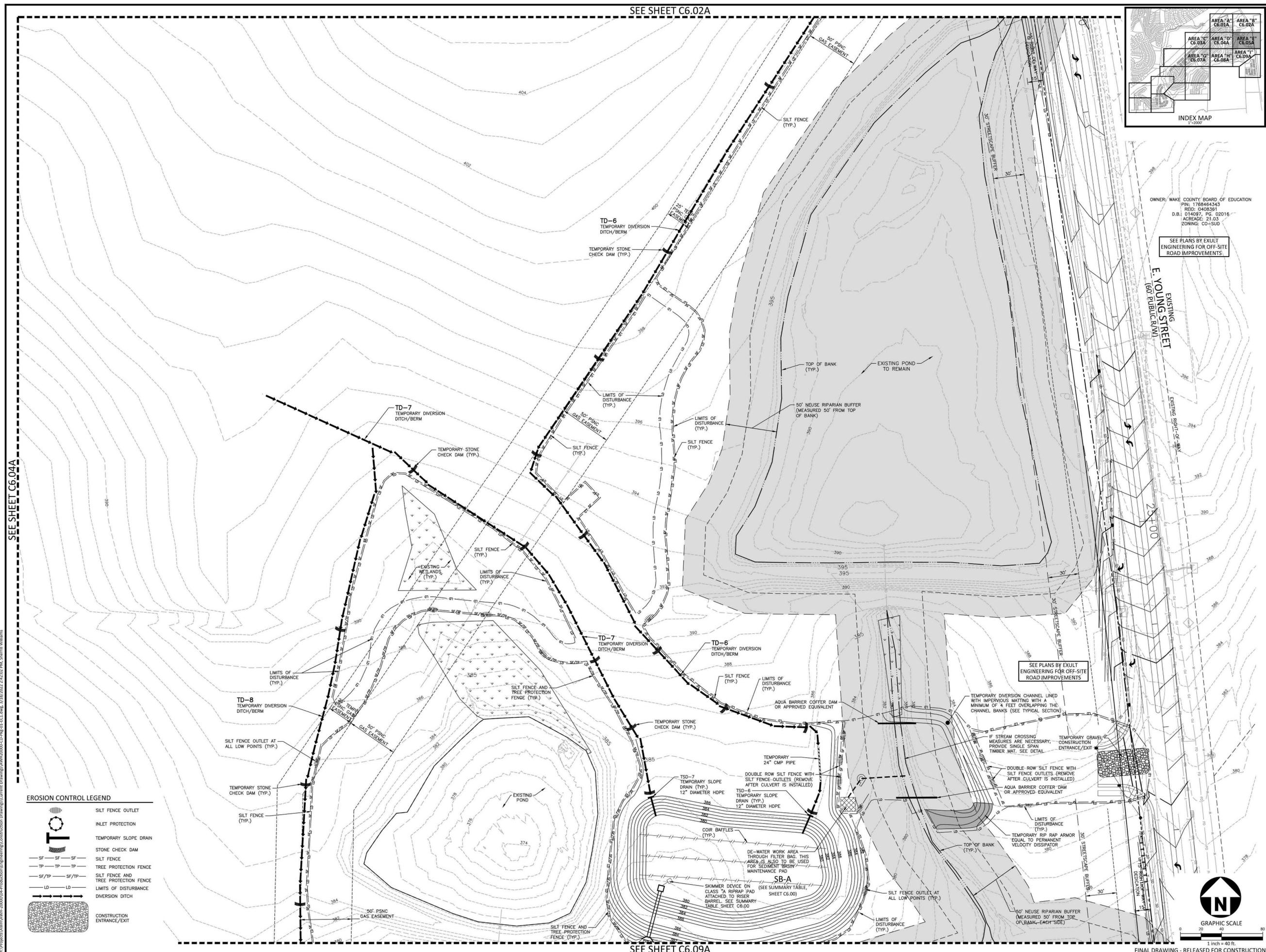
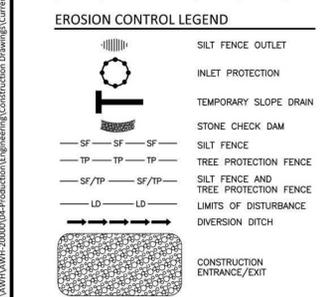
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W. T. O'Daniel  
Daniel  
Mar 21 2022 8:57 AM

**REVISIONS**  
NO. DATE

**PLAN INFORMATION**  
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DATE 03.21.2022

**SHEET**  
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**STAGE 1**  
**AREA "E"**  
**C6.05A**

SEE SHEET C6.04A

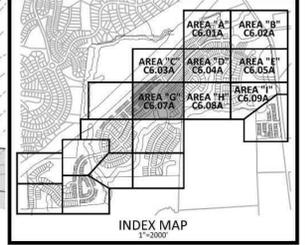
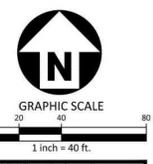
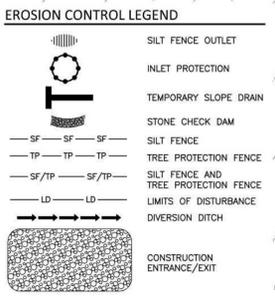
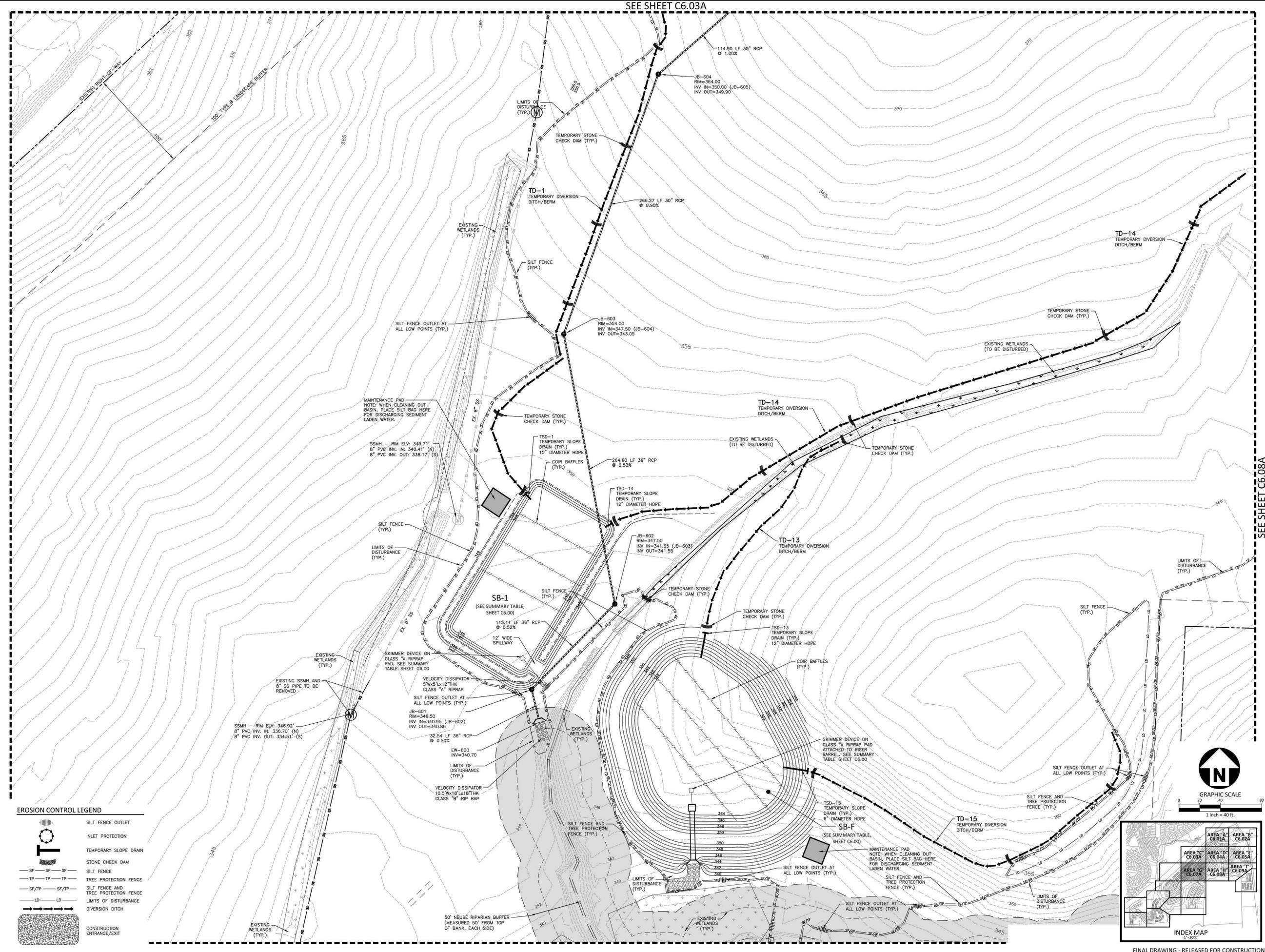


SEE SHEET C6.09A

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SEE SHEET C6.03A



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**ASHTON WOODS.**

**THE POINT**  
**PHASES 1, 2, 6 AND 9**  
**CONSTRUCTION DRAWINGS - PACKAGE 1**  
EAST YOUNG STREET  
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,  
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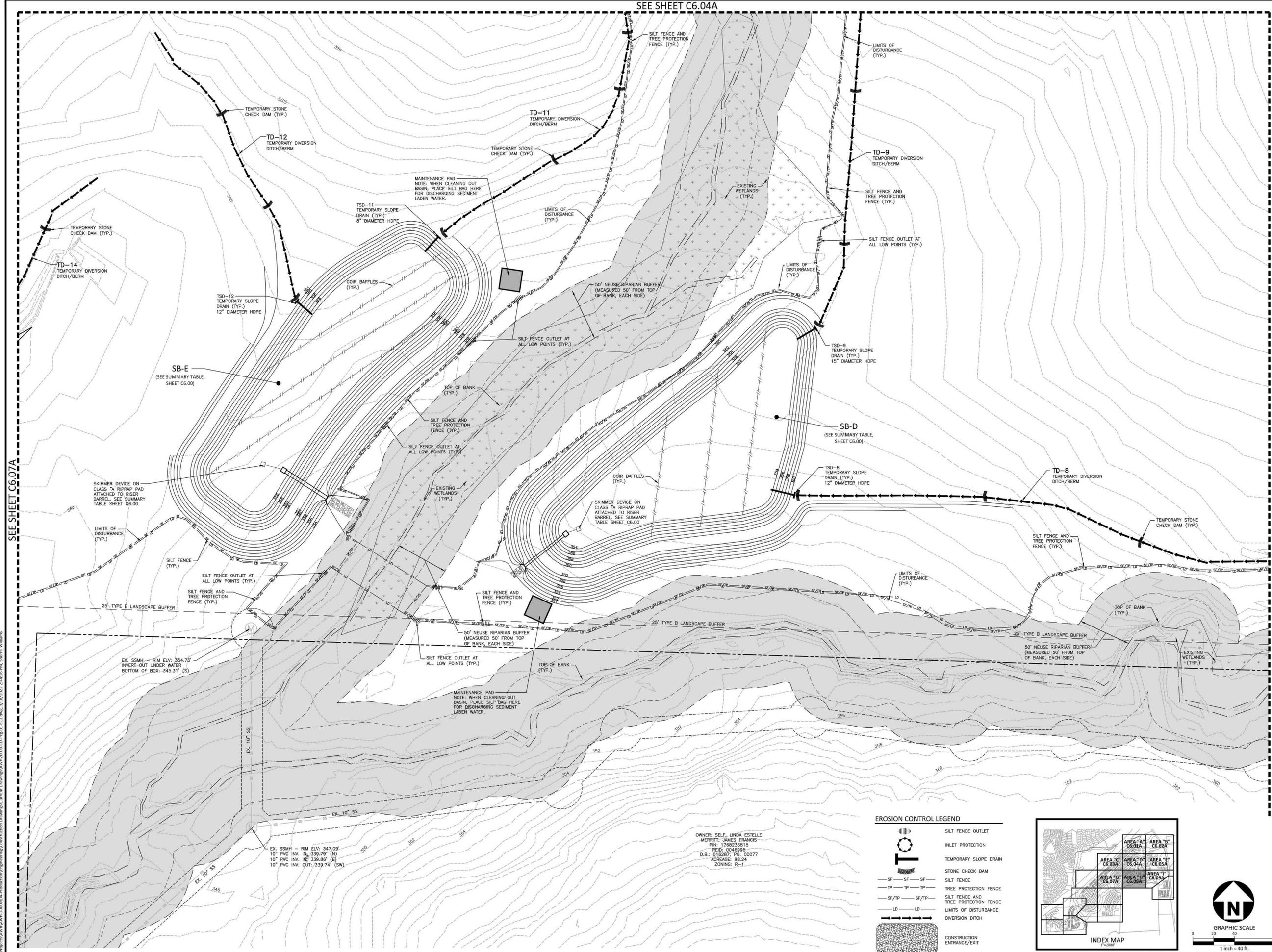
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**EROSION CONTROL PLAN**  
STAGE 1  
AREA "G"

# C6.07A

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SEE SHEET C6.04A



SEE SHEET C6.07A

SEE SHEET C6.09A

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**THE POINT**  
**PHASES 1, 2, 6 AND 9**  
**CONSTRUCTION DRAWINGS - PACKAGE 1**  
EAST YOUNG STREET  
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,  
WAKE COUNTY, NORTH CAROLINA

Todd O'Daniel  
Mar 21 2022 8:58 AM  
w.t.o.  
DocuSign

**REVISIONS**

NO.	DATE

**PLAN INFORMATION**

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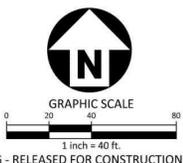
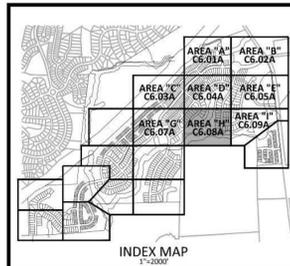
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**EROSION CONTROL PLAN**  
**STAGE 1**  
**AREA "H"**  
**C6.08A**

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MERRITT, JAMES FRANCIS  
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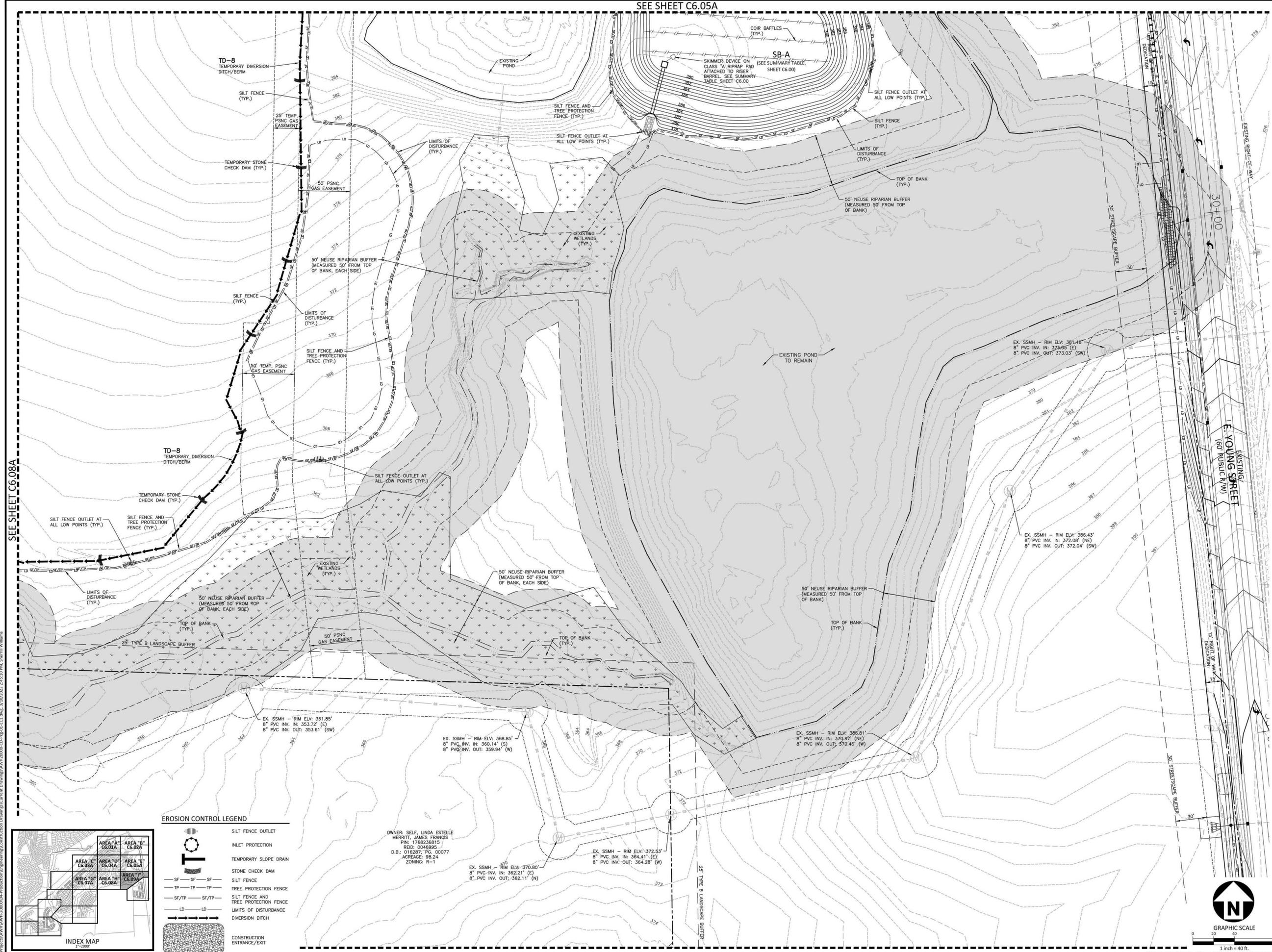
**EROSION CONTROL LEGEND**

- SILT FENCE OUTLET
- INLET PROTECTION
- TEMPORARY SLOPE DRAIN
- STONE CHECK DAM
- SILT FENCE
- TREE PROTECTION FENCE
- SILT FENCE AND TREE PROTECTION FENCE
- LIMITS OF DISTURBANCE
- DIVERSION DITCH
- CONSTRUCTION ENTRANCE/EXIT

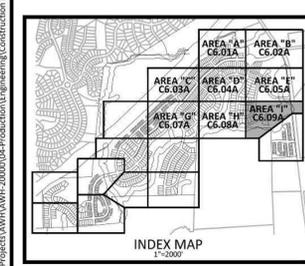


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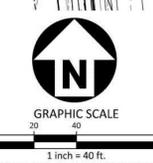
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**EROSION CONTROL LEGEND**

	SILT FENCE OUTLET
	INLET PROTECTION
	TEMPORARY SLOPE DRAIN
	STONE CHECK DAM
	SILT FENCE
	TREE PROTECTION FENCE
	SILT FENCE AND TREE PROTECTION FENCE
	LIMITS OF DISTURBANCE
	DIVERSION DITCH
	CONSTRUCTION ENTRANCE/EXIT

OWNER: SELF, LINDA ESTELLE  
 MERRITT, JAMES FRANCIS  
 PIN: 1766238815  
 REID: 0048995  
 D.B.: 016287, PG. 00077  
 ACRAGE: 98.24  
 ZONING: R-1



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 CONTACT: BOB MISHLER

ASHTON WOODS.

**THE POINT**  
**PHASES 1, 2, 6 AND 9**  
 CONSTRUCTION DRAWINGS - PACKAGE 1  
 EAST YOUNG STREET  
 TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,  
 WAKE COUNTY, NORTH CAROLINA

W.T. O'Daniel  
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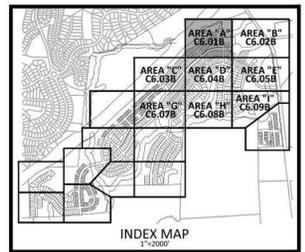
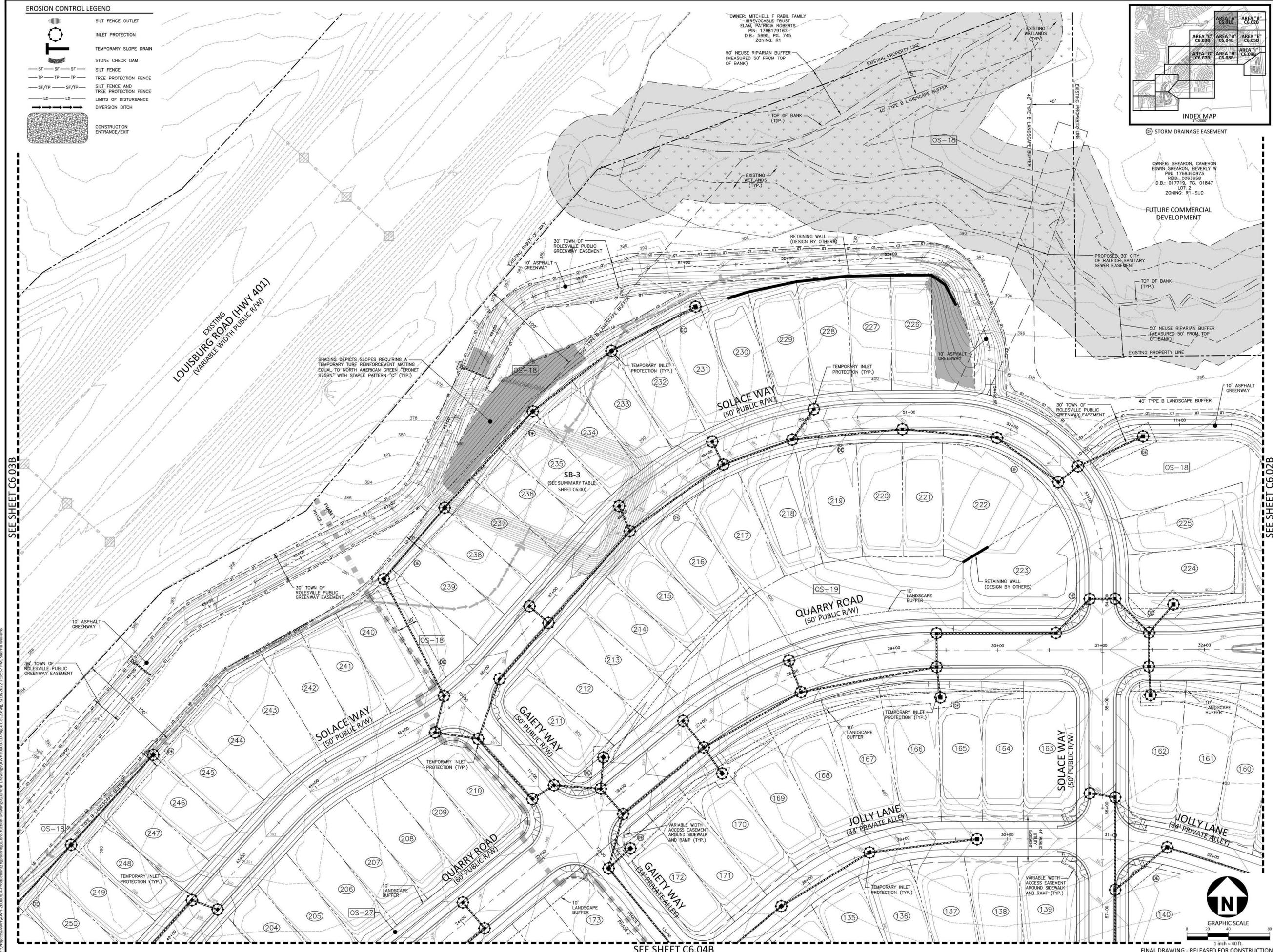
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**SHEET**  
**EROSION CONTROL PLAN**  
**STAGE 1**  
**AREA "I"**  
**C6.09A**

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EROSION CONTROL LEGEND

-  SILT FENCE OUTLET
-  INLET PROTECTION
-  TEMPORARY SLOPE DRAIN
-  STONE CHECK DAM
-  SILT FENCE
-  TREE PROTECTION FENCE
-  SILT FENCE AND TREE PROTECTION FENCE
-  LIMITS OF DISTURBANCE
-  DIVERSION DITCH
-  CONSTRUCTION ENTRANCE/EXIT




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 CONTACT: BOB MISHLER

  
 ASHTON WOODS.

**THE POINT**  
**PHASES 1, 2, 6 AND 9**  
 CONSTRUCTION DRAWINGS - PACKAGE 1  
 EAST YOUNG STREET  
 TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,  
 WAKE COUNTY, NORTH CAROLINA



Todd O'Daniel  
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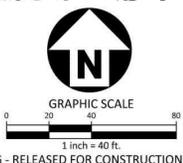
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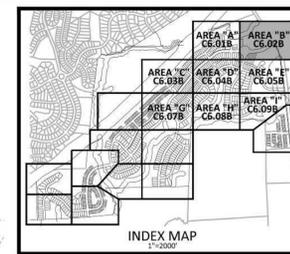
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**EROSION CONTROL PLAN**  
**STAGE 2**  
**AREA "A"**  
**C6.01B**



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INDEX MAP  
1"=2000'

EROSION CONTROL LEGEND

- SILT FENCE OUTLET
- INLET PROTECTION
- INLET PROTECTION (FLUME)
- TEMPORARY SLOPE DRAIN
- STONE CHECK DAM
- TREE PROTECTION FENCE
- SILT FENCE AND TREE PROTECTION FENCE
- LIMITS OF DISTURBANCE
- DIVERSION DITCH
- CONSTRUCTION ENTRANCE/EXIT

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ASHTON WOODS RESIDENTIAL, LLC.  
900 RIDGEFIELD DRIVE, SUITE 335  
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PHONE: 919. 422. 7663  
CONTACT: BOB MISHLER



**THE POINT**  
**PHASES 1, 2, 6 AND 9**  
**CONSTRUCTION DRAWINGS - PACKAGE 1**  
EAST YOUNG STREET  
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,  
WAKE COUNTY, NORTH CAROLINA

William T. O'Daniel  
Professional Engineer  
Seal No. 22630  
W.T. O'Daniel

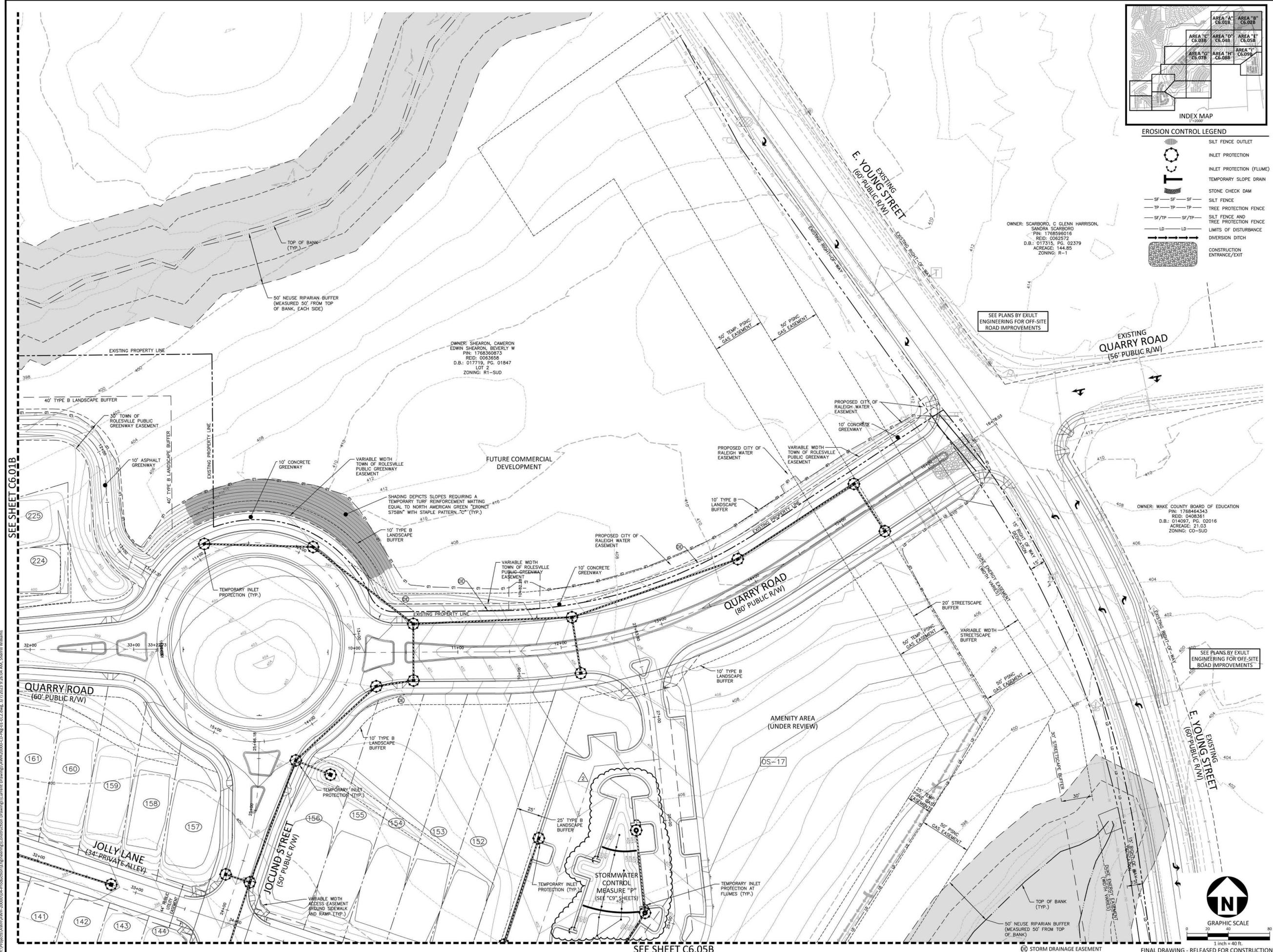
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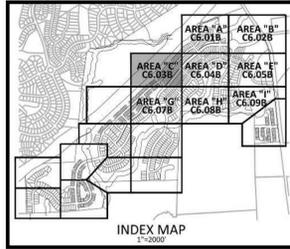
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**SHEET**  
**EROSION CONTROL PLAN**  
**STAGE 2**  
**AREA "B"**  
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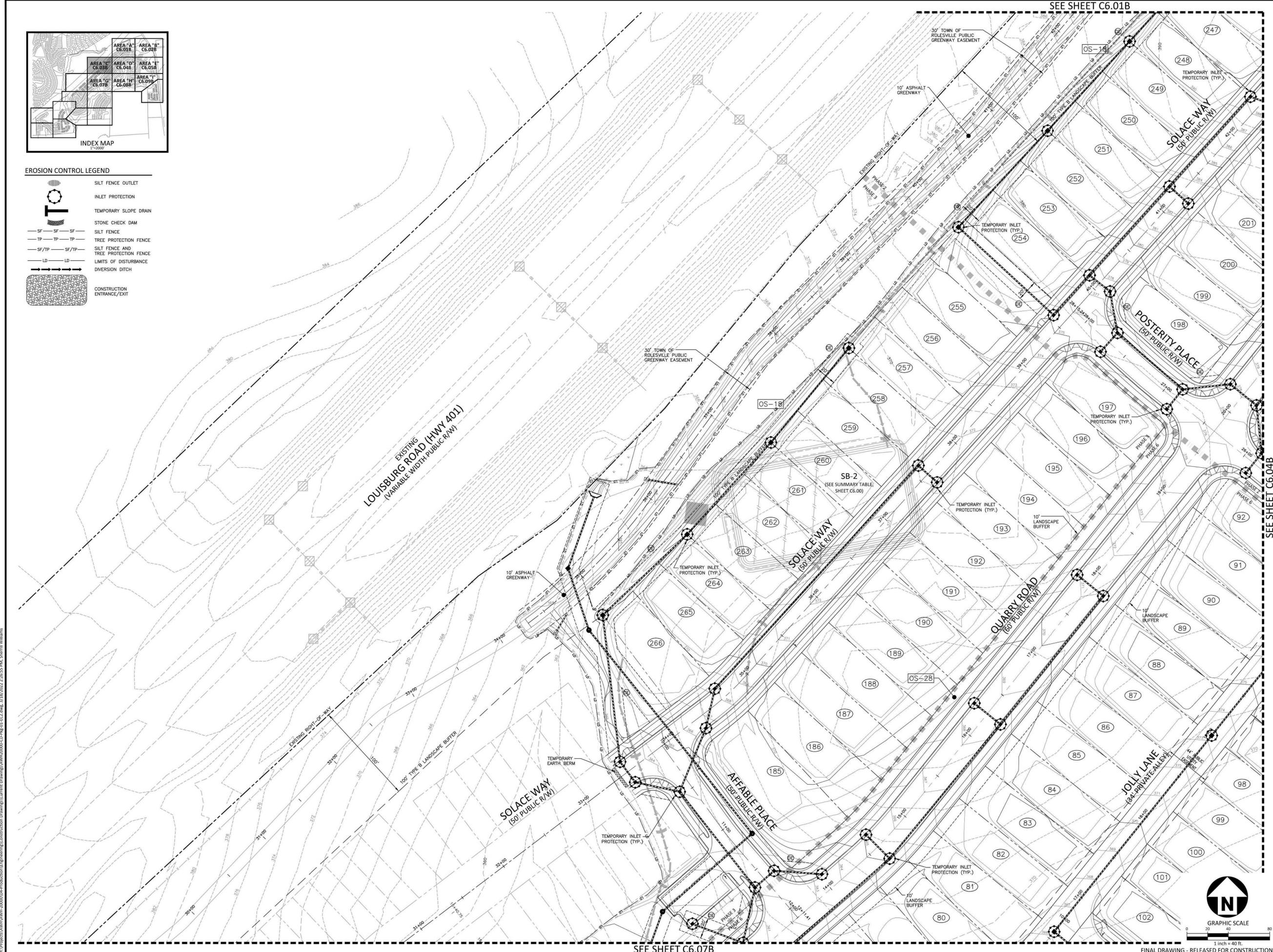


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**EROSION CONTROL LEGEND**

- SILT FENCE OUTLET
- INLET PROTECTION
- TEMPORARY SLOPE DRAIN
- STONE CHECK DAM
- SILT FENCE
- TREE PROTECTION FENCE
- SILT FENCE AND TREE PROTECTION FENCE
- LIMITS OF DISTURBANCE
- DIVERSION DITCH
- CONSTRUCTION ENTRANCE/EXIT




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 CONTACT: BOB MISHLER



**ASHTON WOODS.**

**THE POINT**  
**PHASES 1, 2, 6 AND 9**  
**CONSTRUCTION DRAWINGS - PACKAGE 1**  
**EAST YOUNG STREET**  
 TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,  
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W.T. O'Daniel  
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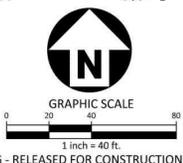
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**SHEET**  
**EROSION CONTROL PLAN**  
**STAGE 2**  
**AREA "C"**

C6.03B



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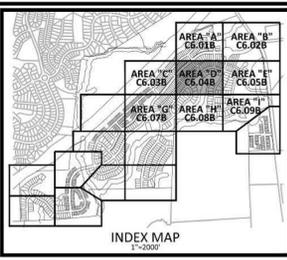
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SEE SHEET C6.01B

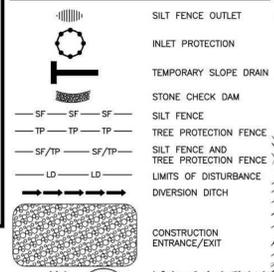
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SEE SHEET C6.01B



EROSION CONTROL LEGEND



SEE SHEET C6.08B

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**ASHTON WOODS**

**THE POINT**  
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**CONSTRUCTION DRAWINGS - PACKAGE 1**  
**EAST YOUNG STREET**  
 TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,  
 WAKE COUNTY, NORTH CAROLINA

**PROFESSIONAL SEAL**  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 22630  
 WILLIAM T. O'DANIEL  
 W.T. O'Daniel  
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 DocuSign

**REVISIONS**

NO.	DATE

**PLAN INFORMATION**

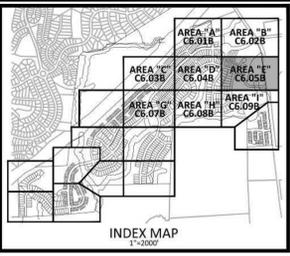
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**SHEET**  
**EROSION CONTROL PLAN**  
**STAGE 2**  
**AREA "D"**  
**C6.04B**

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SEE SHEET C6.02B

SEE SHEET C6.09B

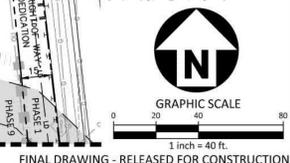


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 PINE: 1768464343  
 REID: 1408361  
 D.B.I: 014097, PG. 02016  
 ACREAGE: 21.03  
 ZONING: C-3UD

SEE PLANS BY EXULT ENGINEERING FOR OFF-SITE ROAD IMPROVEMENTS

**EROSION CONTROL LEGEND**

	SILT FENCE
	INLET PROTECTION
	INLET PROTECTION (FLUME)
	TEMPORARY SLOPE DRAIN
	STONE CHECK DAM
	SILT FENCE
	TREE PROTECTION FENCE
	SILT FENCE AND TREE PROTECTION FENCE
	LIMITS OF DISTURBANCE
	DIVERSION DITCH
	CONSTRUCTION ENTRANCE/EXIT



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 900 RIDGEFIELD DRIVE, SUITE 335  
 RALEIGH, NORTH CAROLINA 27609  
 PHONE: 919.422.7663  
 CONTACT: BOB MISHLER



**THE POINT**  
**PHASES 1, 2, 6 AND 9**  
**CONSTRUCTION DRAWINGS - PACKAGE 1**  
**EAST YOUNG STREET**  
 TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,  
 WAKE COUNTY, NORTH CAROLINA

William T. O'Daniel  
 or William T. O'Daniel, c/o US,  
 o=North Carolina,  
 email=odaniel@mcadamsco.com  
 2023.03.20 12:36:13 -0400

**REVISIONS**

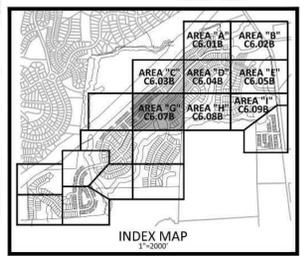
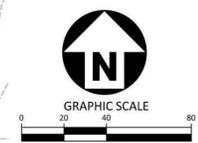
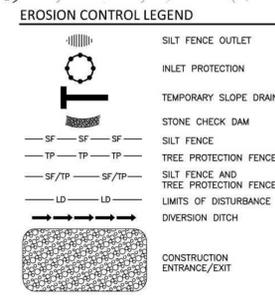
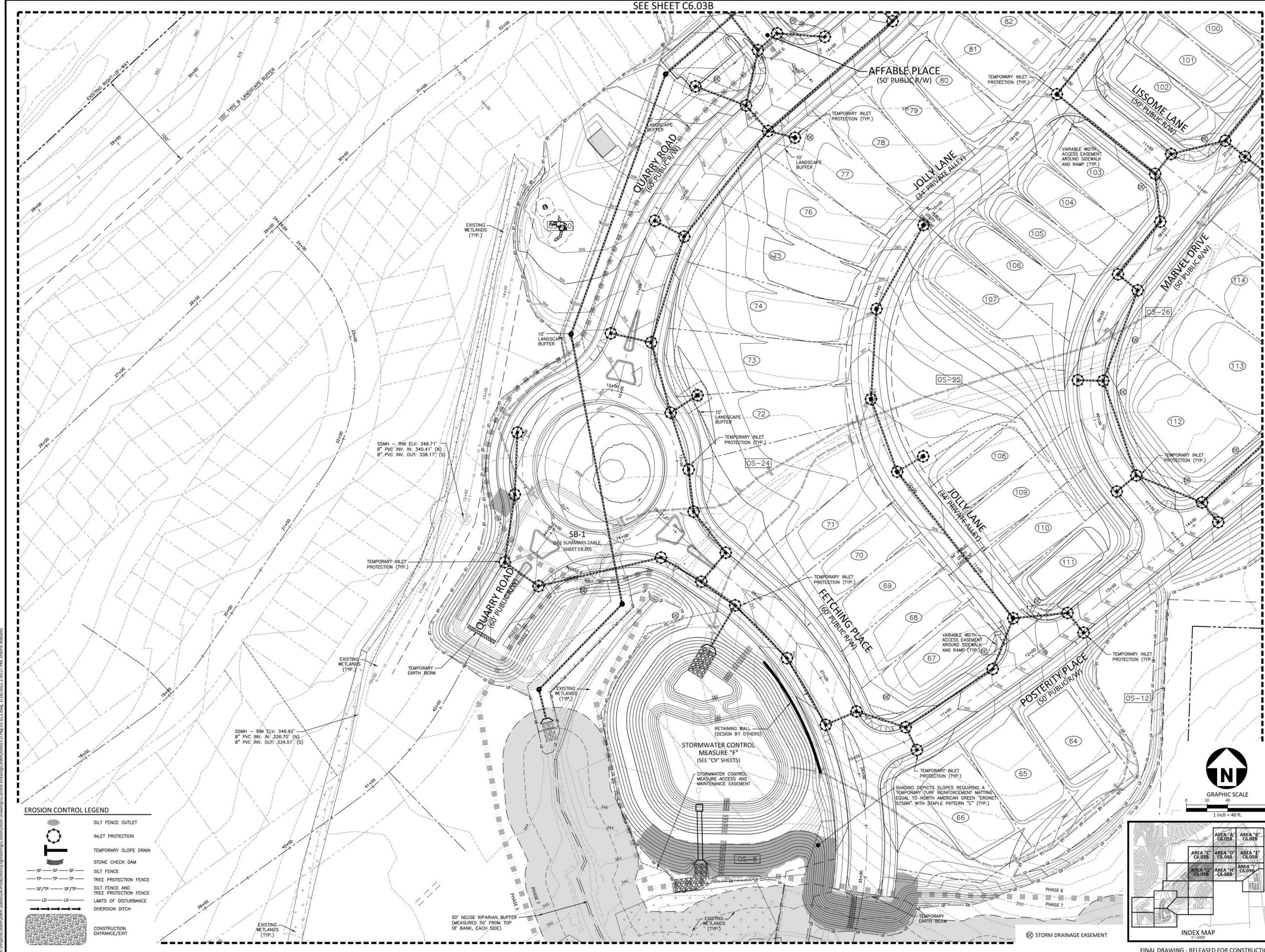
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**PLAN INFORMATION**

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 CHECKED BY .  
 DRAWN BY .  
 SCALE 1"=40'  
 DATE 03.21.2022

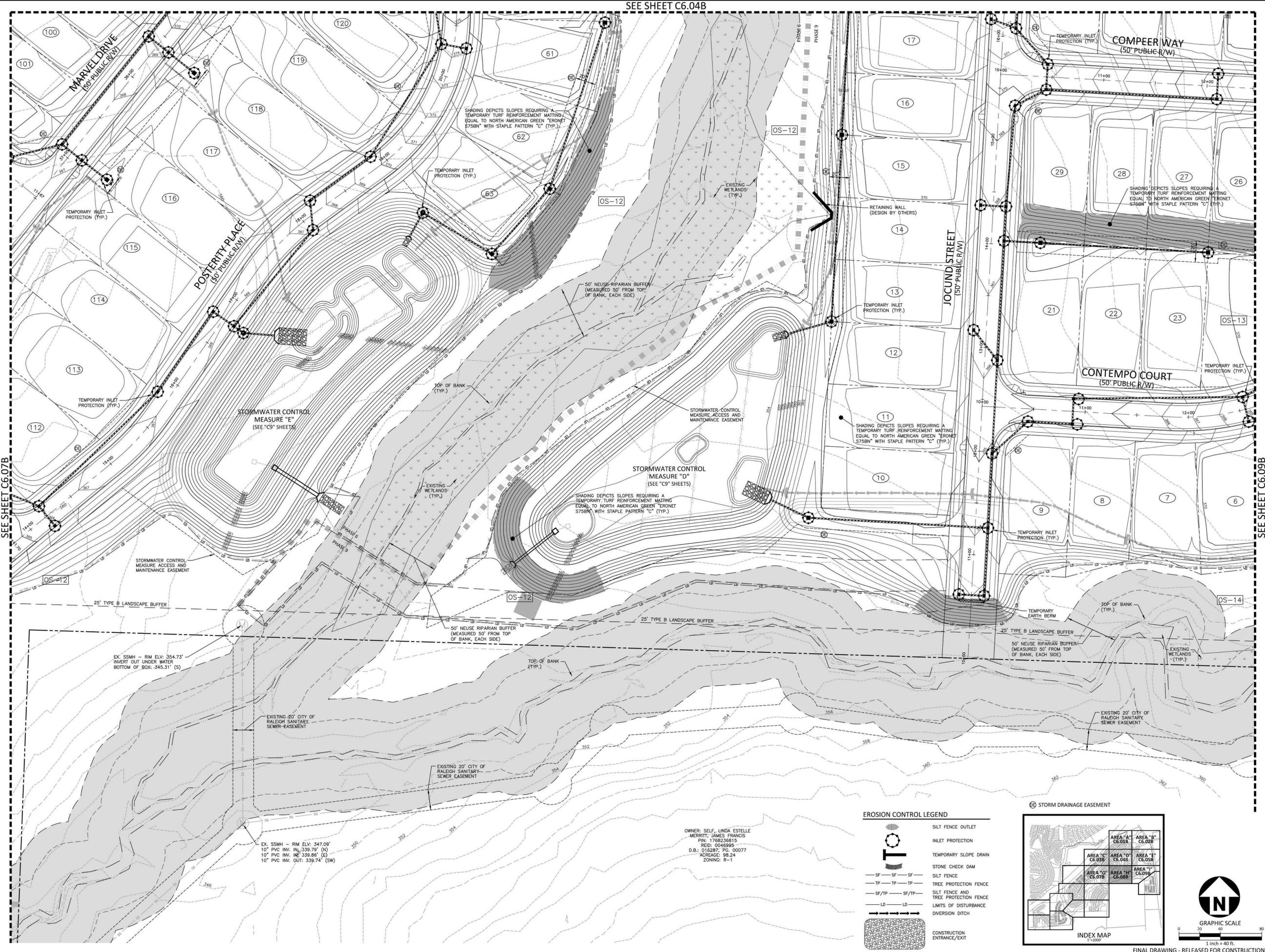
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**EROSION CONTROL PLAN**  
**STAGE 2**  
**AREA "E"**  
**C6.05B**

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SEE SHEET C6.04B



SEE SHEET C6.07B

SEE SHEET C6.09B

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**ASHTON WOODS.**

**THE POINT**  
**PHASES 1, 2, 6 AND 9**  
**CONSTRUCTION DRAWINGS - PACKAGE 1**  
EAST YOUNG STREET  
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,  
WAKE COUNTY, NORTH CAROLINA

W.T. O'Daniel  
Mar 21 2022 9:02 AM  
DocuSign

**REVISIONS**

NO.	DATE

**PLAN INFORMATION**

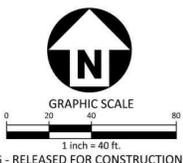
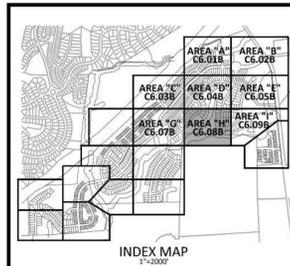
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FILENAME AWH20000-CD-PKG-01-EC2  
CHECKED BY  
DRAWN BY  
SCALE 1"=40'  
DATE 03. 21. 2022

**SHEET**  
**EROSION CONTROL PLAN**  
**STAGE 2**  
**AREA "H"**  
**C6.08B**

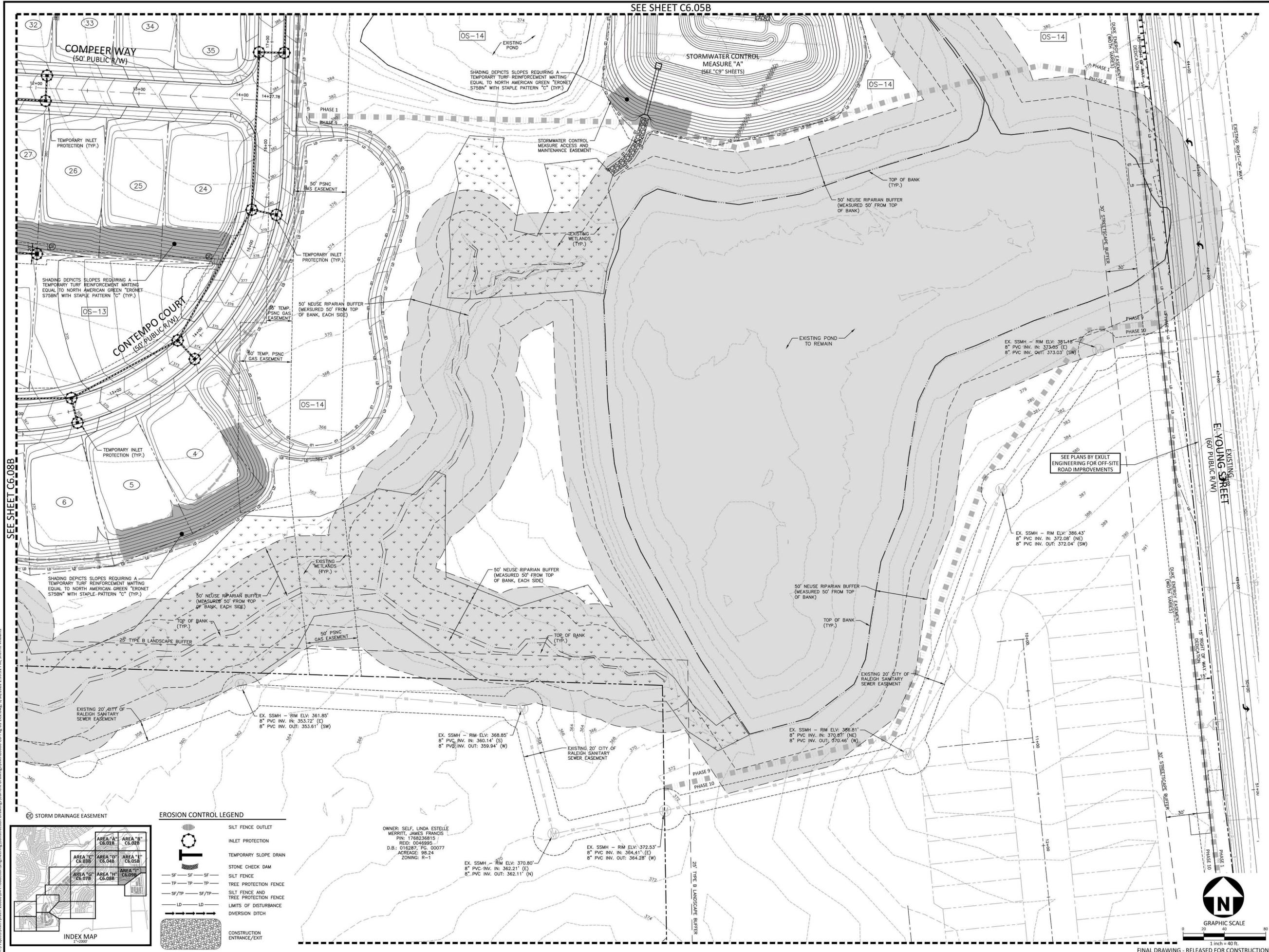
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MERRITT, JAMES FRANCIS  
PIN: 1768238815  
REID: 00469985  
D.B.: 018287; PG. 00077  
ACREAGE: 98.24  
ZONING: R-1

**EROSION CONTROL LEGEND**

	SILT FENCE OUTLET
	INLET PROTECTION
	TEMPORARY SLOPE DRAIN
	STONE CHECK DAM
	TREE PROTECTION FENCE
	SILT FENCE AND TREE PROTECTION FENCE
	LIMITS OF DISTURBANCE
	DIVERSION DITCH
	CONSTRUCTION ENTRANCE/EXIT

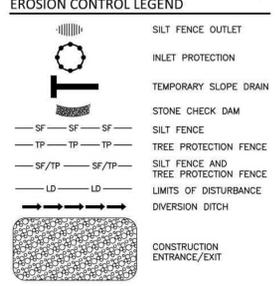
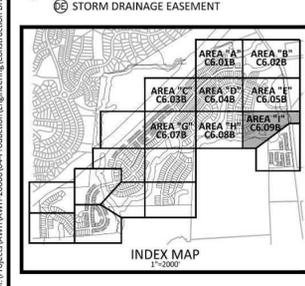


FINAL DRAWING - RELEASED FOR CONSTRUCTION

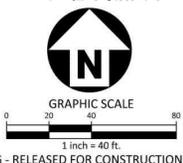


SEE SHEET C6.08B

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OWNER: SELF, LINDA ESTELLE MERRITT, JAMES FRANCIS  
 PIN: 1766238815  
 REID: 0048995  
 D.B.: 016287, PG. 00077  
 ACRAGE: 98.24  
 ZONING: R-1



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 EAST YOUNG STREET  
 TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,  
 WAKE COUNTY, NORTH CAROLINA

**PROFESSIONAL SEAL**  
 NORTH CAROLINA  
 22630  
 WILLIAM T. O'DANIEL  
 ENGINEER  
 W.T. O'Daniel  
 Mar 21 2022 9:03 AM

**REVISIONS**

NO.	DATE

**PLAN INFORMATION**

PROJECT NO. AWH-20000  
 FILENAME AWH20000-CD-PKG-01-EC2  
 CHECKED BY  
 DRAWN BY  
 SCALE 1"=40'  
 DATE 03. 21. 2022

**SHEET**  
**EROSION CONTROL PLAN**  
**STAGE 2**  
**AREA "I"**  
**C6.09B**

**GROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE NCG01 CONSTRUCTION GENERAL PERMIT**

Implementing the details and specifications on this plan sheet will result in the construction activity being considered compliant with the Ground Stabilization and Materials Handling sections of the NCG01 Construction General Permit (Sections E and F, respectively). The permittee shall comply with the Erosion and Sediment Control plan approved by the delegated authority having jurisdiction. All details and specifications shown on this sheet may not apply depending on site conditions and the delegated authority having jurisdiction.

**SECTION E: GROUND STABILIZATION**

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

**Note:** After the permanent cessation of construction activities, any areas with temporary ground stabilization shall be converted to permanent ground stabilization as soon as practicable but in no case longer than 90 calendar days after the last land disturbing activity. Temporary ground stabilization shall be maintained in a manner to render the surface stable against accelerated erosion until permanent ground stabilization is achieved.

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

Temporary Stabilization	Permanent Stabilization
<ul style="list-style-type: none"> <li>Temporary grass seed covered with straw or other mulches and tackifiers</li> <li>Hydroseeding</li> <li>Rollled erosion control products with or without temporary grass seed</li> <li>Appropriately applied straw or other mulch</li> <li>Plastic sheeting</li> </ul>	<ul style="list-style-type: none"> <li>Permanent grass seed covered with straw or other mulches and tackifiers</li> <li>Geotextile fabrics such as permanent soil reinforcement matting</li> <li>Hydroseeding</li> <li>Shrubs or other permanent plantings covered with mulch</li> <li>Uniform and evenly distributed ground cover sufficient to restrain erosion</li> <li>Structural materials such as concrete, asphalt or retaining walls</li> <li>Rollled erosion control products with grass seed</li> </ul>

- POLYACRYLAMIDES (PAMS) AND FLOCCULANTS**
- Select flocculants that are appropriate for the soils being exposed during construction, selecting from the *NC DWR List of Approved PAMS/Flocculants*.
  - Apply flocculants at or before the inlets to Erosion and Sediment Control Measures.
  - Apply flocculants at the concentrations specified in the *NC DWR List of Approved PAMS/Flocculants* and in accordance with the manufacturer's instructions.
  - Provide ponding area for containment of treated Stormwater before discharging offsite.
  - Store flocculants in leak-proof containers that are kept under storm-resistant cover or surrounded by secondary containment structures.

- EQUIPMENT AND VEHICLE MAINTENANCE**
- Maintain vehicles and equipment to prevent discharge of fluids.
  - Provide drip pans under any stored equipment.
  - Identify leaks and repair as soon as feasible, or remove leaking equipment from the project.
  - Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle when possible).
  - Remove leaking vehicles and construction equipment from service until the problem has been corrected.
  - Bring used fuels, lubricants, coolants, hydraulic fluids and other petroleum products to a recycling or disposal center that handles these materials.

- LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE**
- Never bury or burn waste. Place litter and debris in approved waste containers.
  - Provide a sufficient number and size of waste containers (e.g. dumpster, trash receptacle) on site to contain construction and domestic wastes.
  - Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
  - Locate waste containers on areas that do not receive substantial amounts of runoff from upland areas and does not drain directly to a storm drain, stream or wetland.
  - Cover waste containers at the end of each workday and before storm events or temporary secondary containment. Repair or replace damaged waste containers.
  - Anchor all lightweight items in waste containers during times of high winds.
  - Empty waste containers as needed to prevent overflow. Clean up immediately if containers overflow.
  - Dispose waste off-site at an approved disposal facility.
  - On business days, clean up and dispose of waste in designated waste containers.

- PAINT AND OTHER LIQUID WASTE**
- Do not dump paint and other liquid waste into storm drains, streams or wetlands.
  - Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
  - Contain liquid wastes in a controlled area.
  - Containment must be labeled, sized and placed appropriately for the needs of site.
  - Prevent the discharge of soaps, solvents, detergents and other liquid wastes from construction sites.

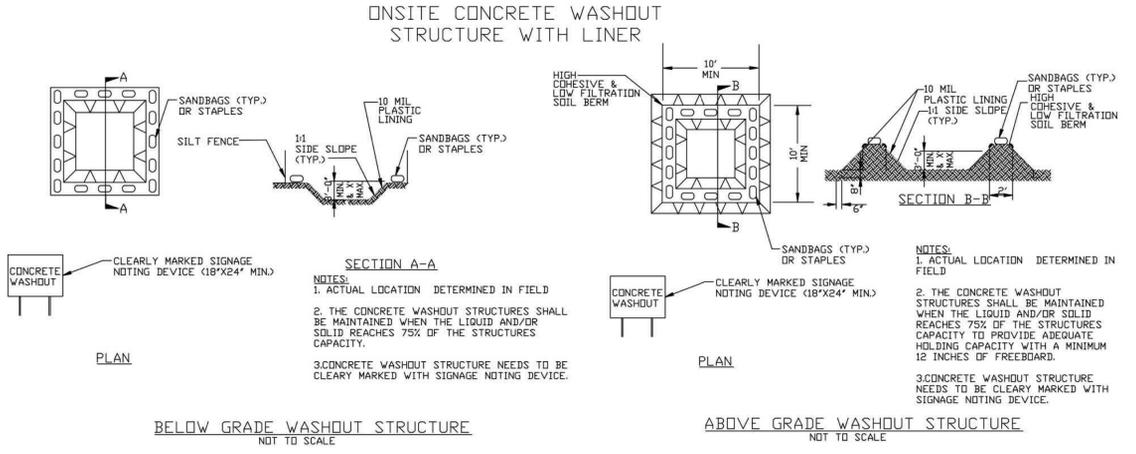
- PORTABLE TOILETS**
- Install portable toilets on level ground, at least 50 feet away from storm drains, streams or wetlands unless there is no alternative reasonably available. If 50 foot offset is not attainable, provide relocation of portable toilet behind silt fence or place on a gravel pad and surround with sand bags.
  - Provide staking or anchoring of portable toilets during periods of high winds or in high foot traffic areas.
  - Monitor portable toilets for leaking and properly dispose of any leaked material. Utilize a licensed sanitary waste hauler to remove leaking portable toilets and replace with properly operating unit.

- EARTHEN STOCKPILE MANAGEMENT**
- Show stockpile locations on plans. Locate earthen-material stockpile areas at least 50 feet away from storm drain inlets, sediment basins, perimeter sediment controls and surface waters unless it can be shown no other alternatives are reasonably available.
  - Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile.
  - Provide stable stone access point when feasible.
  - Stabilize stockpile within the timeframes provided on this sheet and in accordance with the approved plan and any additional requirements. Soil stabilization is defined as vegetative, physical or chemical coverage techniques that will restrain accelerated erosion on disturbed soils for temporary or permanent control needs.

- CONCRETE WASHOUTS**
- Do not discharge concrete or cement slurry from the site.
  - Dispose of, or recycle settled, hardened concrete residue in accordance with local and state solid waste regulations and at an approved facility.
  - Manage washout from mortar mixers in accordance with the above item and in addition place the mixer and associated materials on impervious barrier and within lot perimeter silt fence.
  - Install temporary concrete washouts per local requirements, where applicable. If an alternate method or product is to be used, contact your approval authority for review and approval. If local standard details are not available, use one of the two types of temporary concrete washouts provided on this detail.
  - Do not use concrete washouts for dewatering or storing defective curb or sidewalk sections. Stormwater accumulated within the washout may not be pumped into or discharged to the storm drain system or receiving surface waters. Liquid waste must be pumped out and removed from project.
  - Locate washouts at least 50 feet from storm drain inlets and surface waters unless it can be shown that no other alternatives are reasonably available. At a minimum, install protection of storm drain inlet(s) closest to the washout which could receive spills or overflow.
  - Locate washouts in an easily accessible area, on level ground and install a stone entrance pad in front of the washout. Additional controls may be required by the approving authority.
  - Install at least one sign directing concrete trucks to the washout within the project limits. Post signage on the washout itself to identify this location.
  - Remove leavings from the washout when at approximately 75% capacity to limit overflow events. Replace the tarp, sand bags or other temporary structural components when no longer functional. When utilizing alternative or proprietary products, follow manufacturer's instructions.
  - At the completion of the concrete work, remove remaining leavings and dispose of in an approved disposal facility. Fill pit, if applicable, and stabilize any disturbance caused by removal of washout.

- HERBICIDES, PESTICIDES AND RODENTICIDES**
- Store and apply herbicides, pesticides and rodenticides in accordance with label restrictions.
  - Store herbicides, pesticides and rodenticides in their original containers with the label, which lists directions for use, ingredients and first aid steps in case of accidental poisoning.
  - Do not store herbicides, pesticides and rodenticides in areas where flooding is possible or where they may spill or leak into wells, stormwater drains, ground water or surface water. If a spill occurs, clean area immediately.
  - Do not stockpile these materials onsite.

- HAZARDOUS AND TOXIC WASTE**
- Create designated hazardous waste collection areas on-site.
  - Place hazardous waste containers under cover or in secondary containment.
  - Do not store hazardous chemicals, drums or bagged materials directly on the ground.



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

**PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING**

**SECTION A: SELF-INSPECTION**  
Self-inspections are required during normal business hours in accordance with the table below. When adverse weather or site conditions would cause the safety of the inspection personnel to be in jeopardy, the inspection may be delayed until the next business day on which it is safe to perform the inspection. In addition, when a storm event of equal to or greater than 1.0 inch occurs outside of normal business hours, the self-inspection shall be performed upon the commencement of the next business day. Any time when inspections were delayed shall be noted in the Inspection Record.

Inspect	Frequency (during normal business hours)	Inspection records must include:
(1) Rain gauge maintained in good working order	Daily	Daily rainfall amounts. If no daily rain gauge observations are made during weekend or holiday periods, and no individual-day rainfall information is available, record the cumulative rain measurement for those unattended days (and this will determine if a site inspection is needed); days on which no rainfall occurred shall be recorded as "zero." The permittee may use another rain-monitoring device approved by the Division.
(2) E&SC Measures	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	1. Identification of the measures inspected, 2. Date and time of the inspection, 3. Name of the person performing the inspection, 4. Indication of whether the measures were operating properly, 5. Description of maintenance needs for the measure, 6. Description, evidence, and date of corrective actions taken.
(3) Stormwater discharge outfalls (SODs)	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	1. Identification of the discharge outfalls inspected, 2. Date and time of the inspection, 3. Name of the person performing the inspection, 4. Evidence of indicators of stormwater pollution such as oil sheen, floating or suspended solids or discoloration, 5. Indication of visible sediment leaving the site, 6. Description, evidence, and date of corrective actions taken.
(4) Perimeter of site	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	If visible sedimentation is found outside site limits, then a record of the following shall be made: 1. Actions taken to clean up or stabilize the sediment that has left the site limits, 2. Description, evidence, and date of corrective actions taken, 3. An explanation as to the actions taken to control future releases.
(5) Streams or wetlands onsite or offsite (where accessible)	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	If the stream or wetland has increased visible sedimentation or a stream has visible increased turbidity from the construction activity, then a record of the following shall be made: 1. Description, evidence and date of corrective actions taken, and 2. Records of the required reports to the appropriate Division Regional Office per Part III, Section C, Item (2)(c) of the permit.
(6) Ground stabilization measures	After each phase of grading	1. The phase of grading (installation of perimeter E&SC measures, clearing and grubbing, installation of storm drainage facilities, completion of all land disturbing activity, construction or redevelopment, permanent ground cover). 2. Documentation that the required ground stabilization measures have been provided within the required timeframe or an assurance that they will be provided as soon as possible.

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

**PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING**

**SECTION B: RECORDKEEPING**  
1. E&SC Plan Documentation  
The approved E&SC plan as well as any approved deviation shall be kept on the site. The approved E&SC plan must be kept up-to-date throughout the coverage under this permit. The following items pertaining to the E&SC plan shall be kept on site and available for inspection at all times during normal business hours.

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

2. Additional Documentation to be Kept on Site  
In addition to the E&SC plan documents above, the following items shall be kept on the site and available for inspectors at all times during normal business hours, unless the Division provides a site-specific exemption based on unique site conditions that make this requirement not practical.

(a) This General Permit as well as the Certificate of Coverage, after it is received.

(b) Records of inspections made during the previous twelve months. The permittee shall record the required inspections on the Inspection Record Form provided by the Division or a similar inspection form that includes all the required elements. Use of electronically-available records in lieu of the required paper copies will be allowed if shown to provide equal access and utility as the hard-copy records.

3. Documentation to be Retained for Three Years  
All data used to complete the e-NOI and all inspection records shall be maintained for a period of three years after project completion and made available upon request. [40 CFR 122.41]

**PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING**

**SECTION C: REPORTING**  
1. Occurrences that Must be Reported  
Permittees shall report the following occurrences:  
(a) Visible sediment deposition in a stream or wetland.  
(b) Oil spills if:  
• They are 25 gallons or more,  
• They are less than 25 gallons but cannot be cleaned up within 24 hours,  
• They cause sheen on surface waters (regardless of volume), or  
• They are within 100 feet of surface waters (regardless of volume).  
(c) Releases of hazardous substances in excess of reportable quantities under Section 311 of the Clean Water Act (Ref: 40 CFR 110.3 and 40 CFR 117.3) or Section 102 of CERCLA (Ref: 40 CFR 302.4) or G.S. 143-215.85.  
(d) Anticipated bypasses and unanticipated bypasses.  
(e) Noncompliance with the conditions of this permit that may endanger health or the environment.

2. Reporting Timeframes and Other Requirements  
After a permittee becomes aware of an occurrence that must be reported, he shall contact the appropriate Division regional office within the timeframes and in accordance with the other requirements listed below. Occurrences outside normal business hours may also be reported to the Department's Environmental Emergency Center personnel at (800) 858-0368.

Occurrence	Reporting Timeframes (After Discovery) and Other Requirements
(a) Visible sediment deposition in a stream or wetland	• <b>Within 24 hours</b> , an oral or electronic notification. • <b>Within 7 calendar days</b> , a report that contains a description of the sediment and actions taken to address the cause of the deposition. Division staff may waive the requirement for a written report on a case-by-case basis. • If the stream is named on the <i>NC 303(d) list</i> as impaired for sediment-related causes, the permittee may be required to perform additional monitoring, inspections or apply more stringent practices if staff determine that additional requirements are needed to assure compliance with the federal or state impaired-waters conditions.
(b) Oil spills and release of hazardous substances per Item 1(b)-(c) above	• <b>Within 24 hours</b> , an oral or electronic notification. The notification shall include information about the date, time, nature, volume and location of the spill or release.
(c) Anticipated bypasses [40 CFR 122.41(m)(3)]	• <b>A report at least ten days before the date of the bypass, if possible.</b> The report shall include an evaluation of the anticipated quality and effect of the bypass.
(d) Unanticipated bypasses [40 CFR 122.41(m)(3)]	• <b>Within 24 hours</b> , an oral or electronic notification. • <b>Within 7 calendar days</b> , a report that includes an evaluation of the quality and effect of the bypass.
(e) Noncompliance with the conditions of this permit that may endanger health or the environment [40 CFR 122.41(i)(7)]	• <b>Within 24 hours</b> , an oral or electronic notification. • <b>Within 7 calendar days</b> , a report that contains a description of the noncompliance, and its causes; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time noncompliance is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. [40 CFR 122.41(i)(6)]. • Division staff may waive the requirement for a written report on a case-by-case basis.

**PART II, SECTION G, ITEM (4) DRAW DOWN OF SEDIMENT BASINS FOR MAINTENANCE OR CLOSE OUT**

Sediment basins and traps that receive runoff from drainage areas of one acre or more shall use outlet structures that withdraw water from the surface when these devices need to be drawn down for maintenance or close out unless this is infeasible. The circumstances in which it is not feasible to withdraw water from the surface shall be rare (for example, times with extended cold weather). Non-surface withdrawals from sediment basins shall be allowed only when all of the following criteria have been met:

- The E&SC plan authority has been provided with documentation of the non-surface withdrawal and the specific time periods or conditions in which it will occur. The non-surface withdrawal shall not commence until the E&SC plan authority has approved these items.
- The non-surface withdrawal has been reported as an anticipated bypass in accordance with Part III, Section C, Item (2)(c) and (d) of this permit.
- Dewatering discharges are treated with controls to minimize discharges of pollutants from stormwater from the sediment basin. Examples of appropriate controls include properly sited, designed and maintained dewatering tanks, weir tanks, and filtration systems.
- Vegetated, upland areas of the sites or a properly designed stone pad is used to the extent feasible at the outlet of the dewatering treatment devices described in Item (c) above.
- Velocity dissipation devices such as check dams, sediment traps, and riprap are provided at the discharge points of all dewatering devices, and
- Sediment removed from the dewatering treatment devices described in Item (c) above is disposed of in a manner that does not cause deposition of sediment into waters of the United States.

**NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING EFFECTIVE: 04/01/19**



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ASHTON WOODS

**THE POINT**  
**PHASES 1, 2, 6 AND 9**  
**CONSTRUCTION DRAWINGS - PACKAGE 1**  
EAST YOUNG STREET  
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,  
WAKE COUNTY, NORTH CAROLINA



W. T. O'Daniel  
Mar 21 2022 9:03 AM

**REVISIONS**

NO.	DATE

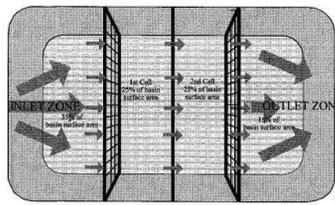
**PLAN INFORMATION**

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-01-ECS
CHECKED BY	.
DRAWN BY	.
SCALE	N.T.S.
DATE	03. 21. 2022

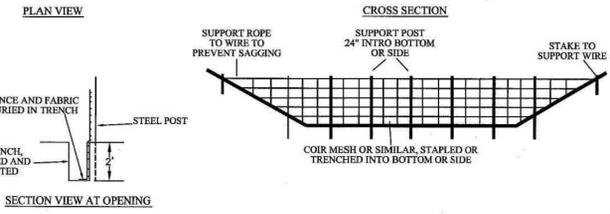
**SHEET**

**EROSION CONTROL DETAILS**

**C6.10**



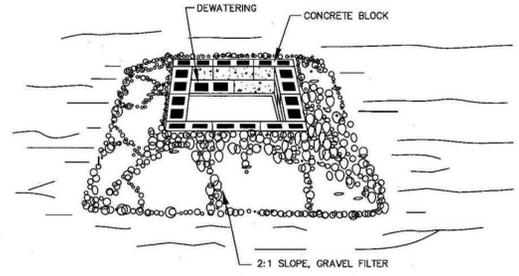
- NOTES:
1. BAFFLE MATERIAL SHOULD BE SECURED AT THE BOTTOM AND SIDES USING STAPLES OR BY TRENCHING AS FOR SILT FENCE.
  2. MOST OF THE SEDIMENT WILL ACCUMULATE IN THE 1ST BAY, WHICH SHOULD BE READILY ACCESSIBLE FOR MAINTENANCE.
  3. PROVIDE 3 BAFFLES (USE TWO IF LESS THAN 20 FEET IN LENGTH), PROVIDE 5 BAFFLES FOR DRAINAGE AREAS GREATER THAN 10 ACRES.
  4. BAFFLES SHALL BE 700 GPM COIR EROSION BLANKET.
  5. TOPS OF BAFFLES SHOULD BE 2 INCHES LOWER THAN THE TOP OF THE BERMS.
  6. INSPECT BAFFLES FOR REPAIR ONCE A WEEK AND AFTER EACH RAINFALL.



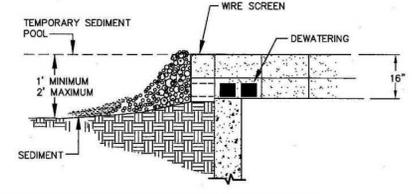
STANDARD BAFFLES DETAIL



EFFECTIVE: 01/31/08



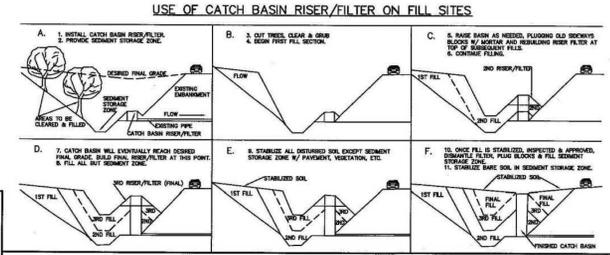
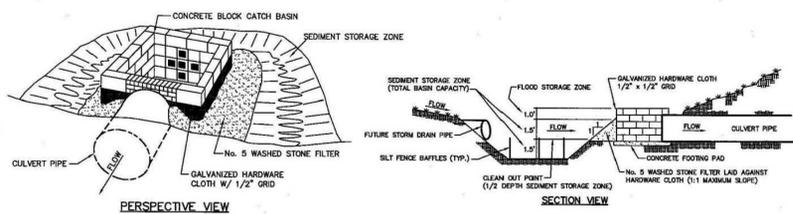
- CONSTRUCTION SPECIFICATIONS
1. LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE IN THE BOTTOM ROW TO ALLOW POOL DRAINAGE. THE FOUNDATION SHOULD BE EXCAVATED AT LEAST 2 INCHES BELOW THE CREST OF THE STORM DRAIN. PLACE THE BOTTOM ROW OF BLOCKS AGAINST THE EDGE OF THE STORM DRAIN FOR LATERAL SUPPORT AND TO AVOID WASHOUTS WHEN OVERFLOW OCCURS. IF NEEDED, GIVE LATERAL SUPPORT TO SUBSEQUENT ROWS BY PLACING 2x4 WOOD STUDS THROUGH BLOCK OPENINGS.
  2. CAREFULLY FIT HARDWARE CLOTH OR COMPARABLE WIRE MESH WITH 1/2 INCH OPENINGS OVER ALL BLOCK OPENINGS TO HOLD GRAVEL IN PLACE.
  3. USE CLEAN GRAVEL, 3/4 TO 1 1/2 INCH DIAMETER, PLACED 2 INCHES BELOW THE TOP OF THE BLOCK ON A 2:1 SLOPE OR FLATTER AND SMOOTH IT TO AN EVEN GRADE. DOT #57 WASHED STONE IS RECOMMENDED.



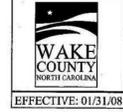
STANDARD BLOCK & GRAVEL DROP INLET PROTECTION



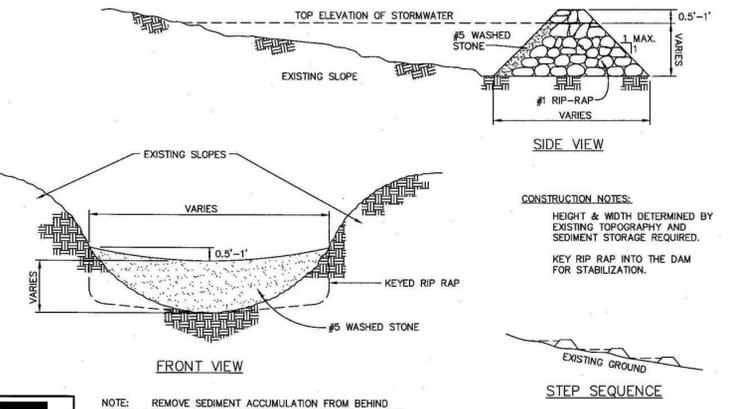
EFFECTIVE: 01/31/08



STANDARD CATCH BASIN RISER/FILTER



EFFECTIVE: 01/31/08

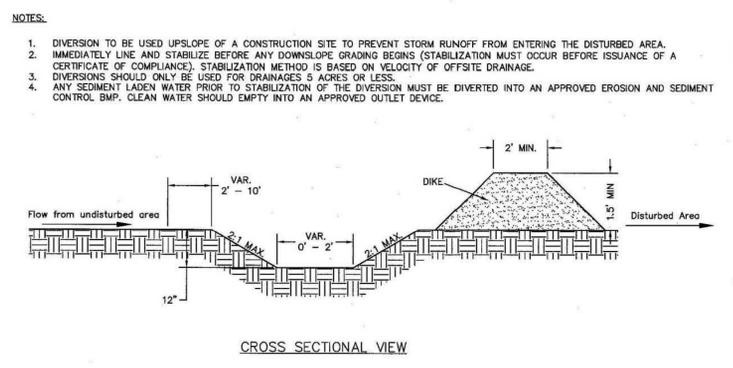


- CONSTRUCTION NOTES:
- HEIGHT & WIDTH DETERMINED BY EXISTING TOPOGRAPHY AND SEDIMENT STORAGE REQUIRED.
- KEY RIP RAP INTO THE DAM FOR STABILIZATION.

STANDARD CHECK DAM



EFFECTIVE: 01/31/08

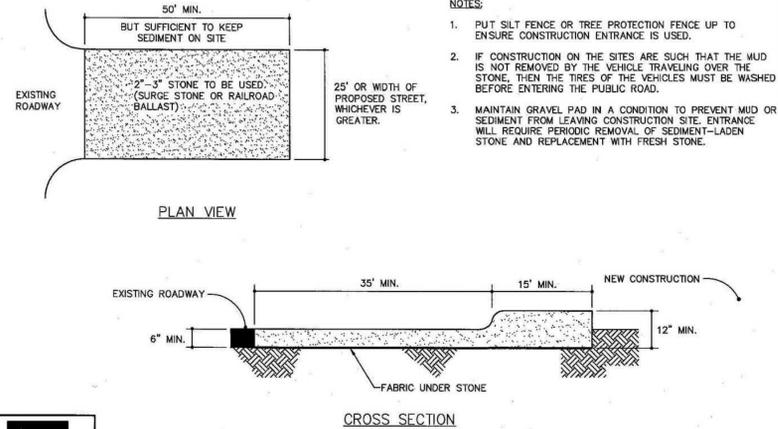


- NOTES:
1. DIVERSION TO BE USED UPSLOPE OF A CONSTRUCTION SITE TO PREVENT STORM RUNOFF FROM ENTERING THE DISTURBED AREA.
  2. IMMEDIATELY LINE AND STABILIZE BEFORE ANY DOWNSLOPE GRADING BEGINS (STABILIZATION MUST OCCUR BEFORE ISSUANCE OF A CERTIFICATE OF COMPLIANCE). STABILIZATION METHOD IS BASED ON VELOCITY OF OFFSITE DRAINAGE.
  3. DIVERSIONS SHOULD ONLY BE USED FOR DRAINAGES 5 ACRES OR LESS.
  4. ANY SEDIMENT LADEN WATER PRIOR TO STABILIZATION OF THE DIVERSION MUST BE DIVERTED INTO AN APPROVED EROSION AND SEDIMENT CONTROL BMP. CLEAN WATER SHOULD EMPTY INTO AN APPROVED OUTLET DEVICE.

STANDARD CLEAN WATER DIVERSION

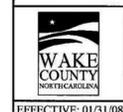


EFFECTIVE: 01/31/08

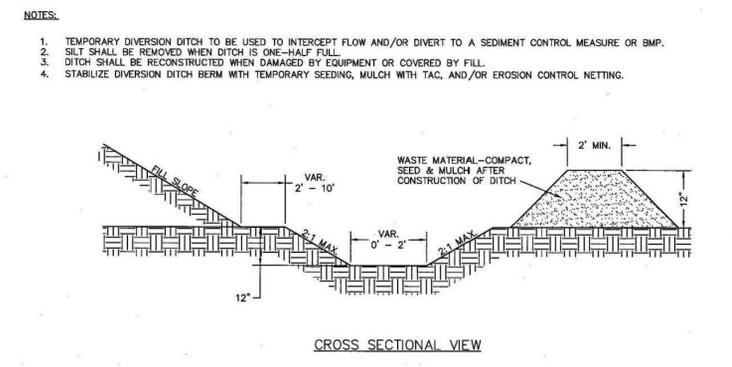


- NOTES:
1. PUT SILT FENCE OR TREE PROTECTION FENCE UP TO ENSURE CONSTRUCTION ENTRANCE IS USED.
  2. IF CONSTRUCTION ON THE SITES ARE SUCH THAT THE MUD IS NOT REMOVED BY THE VEHICLE TRAVELING OVER THE STONE, THEN THE TIRES OF THE VEHICLES MUST BE WASHED BEFORE ENTERING THE PUBLIC ROAD.
  3. MAINTAIN GRAVEL PAD IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING CONSTRUCTION SITE. ENTRANCE WILL REQUIRE PERIODIC REMOVAL OF SEDIMENT-LADEN STONE AND REPLACEMENT WITH FRESH STONE.

STANDARD CONSTRUCTION ENTRANCE



EFFECTIVE: 01/31/08

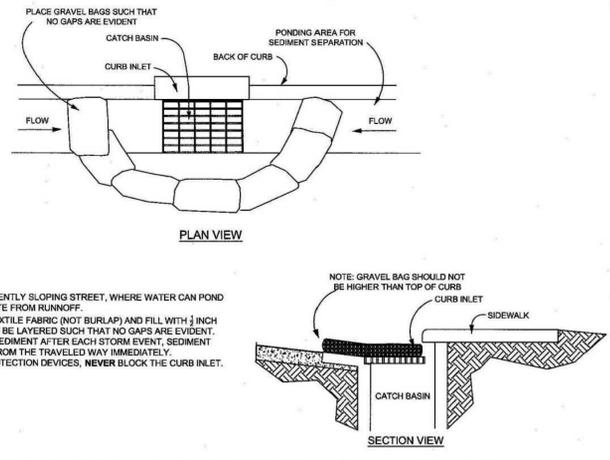


- NOTES:
1. TEMPORARY DIVERSION DITCH TO BE USED TO INTERCEPT FLOW AND/OR DIVERT TO A SEDIMENT CONTROL MEASURE OR BMP.
  2. SILT SHALL BE REMOVED WHEN DITCH IS ONE-HALF FULL.
  3. DITCH SHALL BE RECONSTRUCTED WHEN DAMAGED BY EQUIPMENT OR COVERED BY FILL.
  4. STABILIZE DIVERSION DITCH BERM WITH TEMPORARY SEEDING, MULCH WITH TAC, AND/OR EROSION CONTROL NETTING.

STANDARD TEMPORARY DIVERSION DITCH

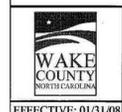


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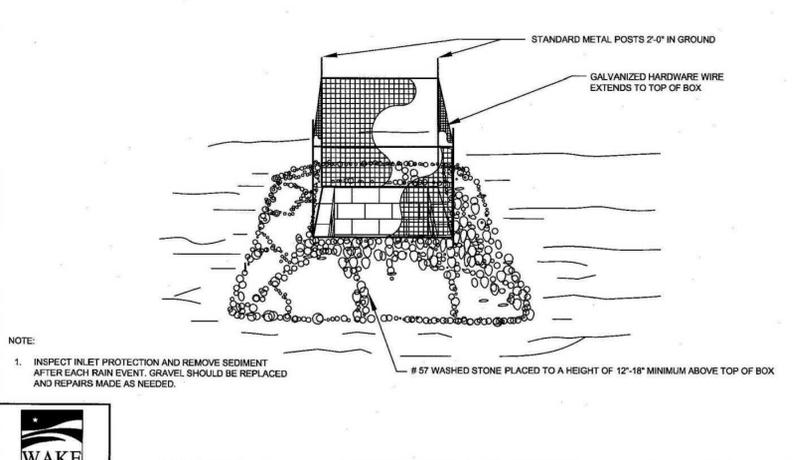


- NOTES:
1. PLACE GRAVEL BAG BARRIER ON GENTLY SLOPING STREET, WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
  2. USE SAND BAGS OF WOVEN GEOTEXTILE FABRIC (NOT BURLAP) AND FILL WITH 1/2 INCH (OR SMALLER) GRAVEL. BAGS MUST BE LAYERED SUCH THAT NO GAPS ARE EVIDENT.
  3. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.
  4. WHEN INSTALLING CURB INLET PROTECTION DEVICES, NEVER BLOCK THE CURB INLET.

STANDARD GRAVEL BAG CURB INLET PROTECTION



EFFECTIVE: 01/31/08



- NOTE:
1. INSPECT INLET PROTECTION AND REMOVE SEDIMENT AFTER EACH RAIN EVENT. GRAVEL SHOULD BE REPLACED AND REPAIRS MADE AS NEEDED.

STANDARD GRAVEL YARD INLET PROTECTION



EFFECTIVE: 01/31/08



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**ASHTON WOODS.**

**THE POINT**  
**PHASES 1, 2, 6 AND 9**  
**CONSTRUCTION DRAWINGS - PACKAGE 1**  
EAST YOUNG STREET  
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,  
WAKE COUNTY, NORTH CAROLINA



Todd O'Daniel  
Mar 21 2022 9:04 AM

**REVISIONS**

NO. DATE

**PLAN INFORMATION**

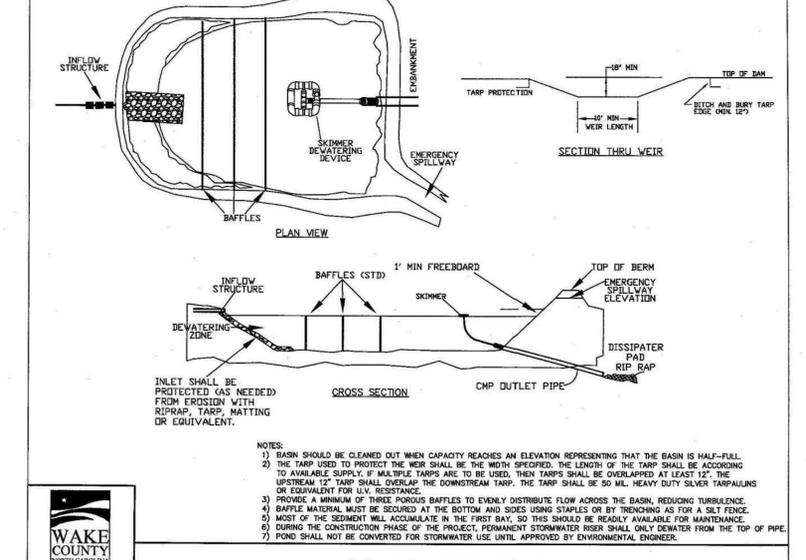
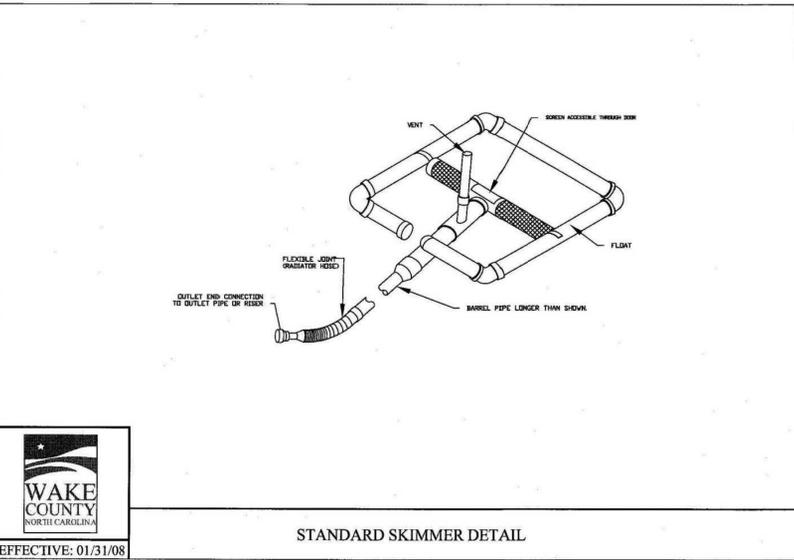
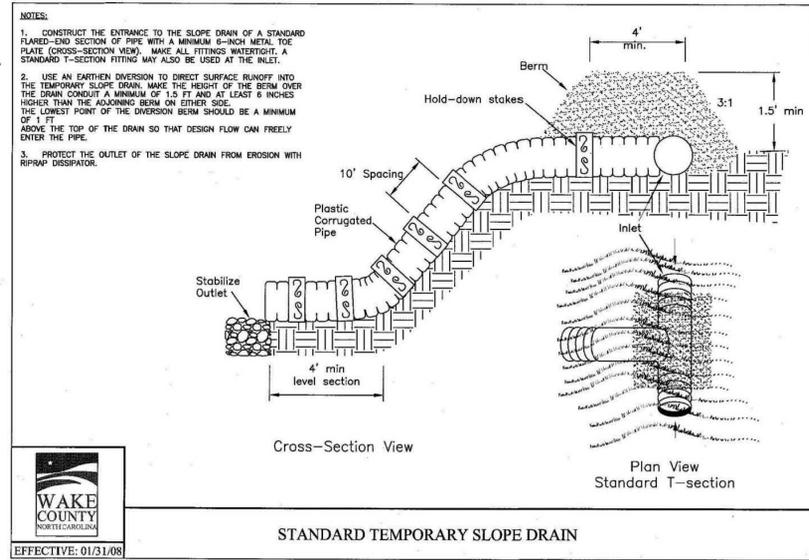
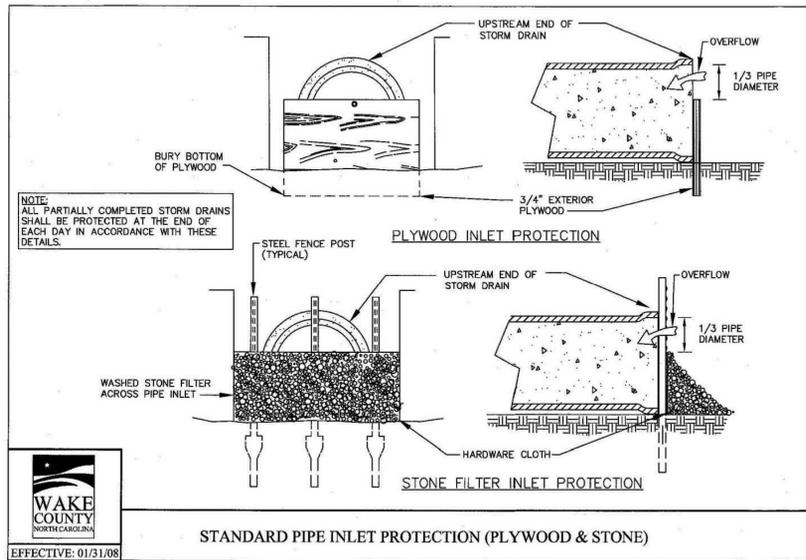
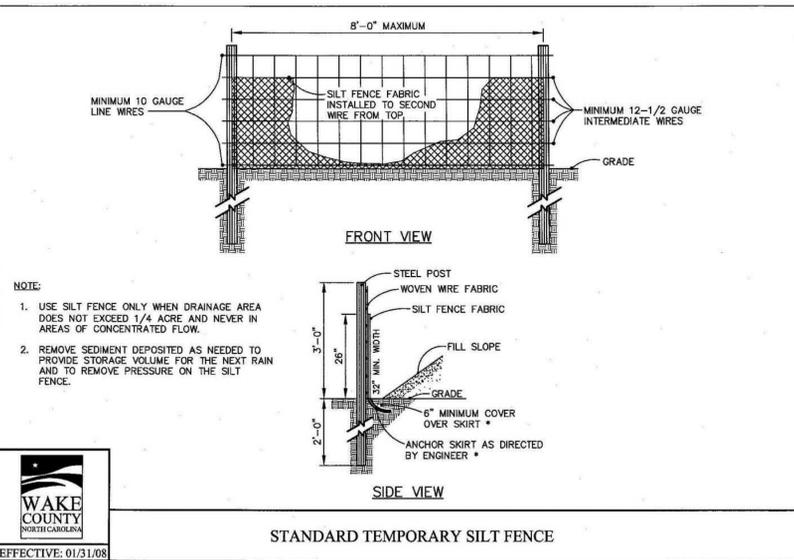
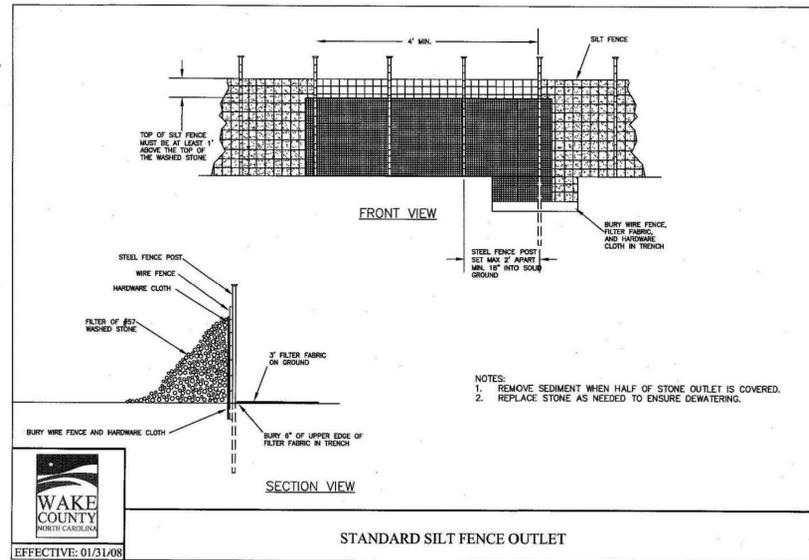
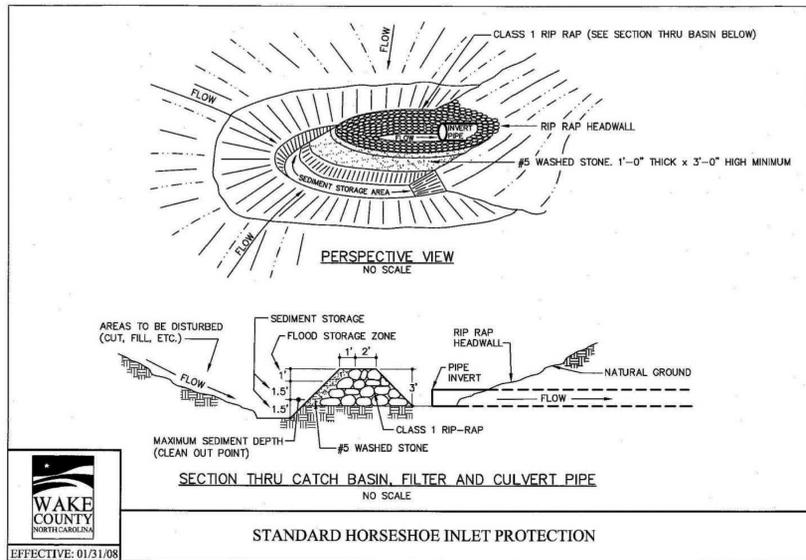
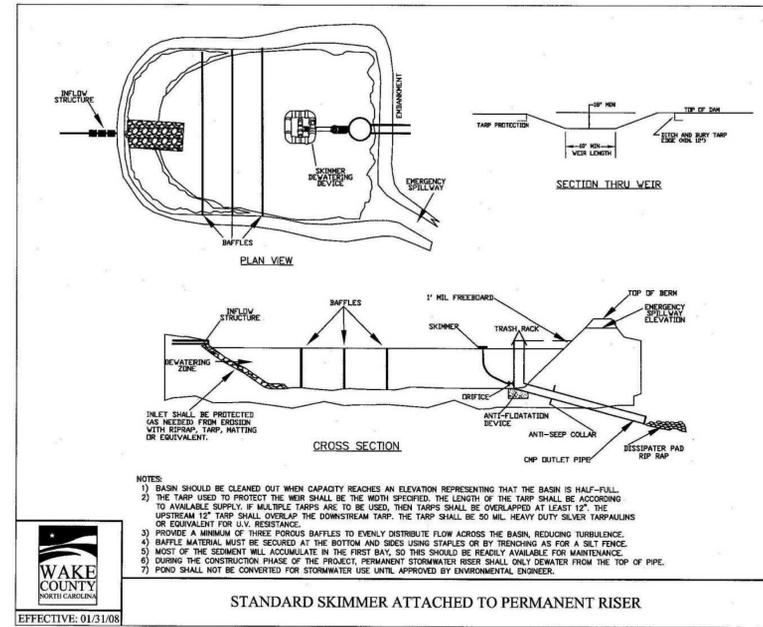
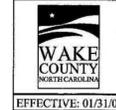
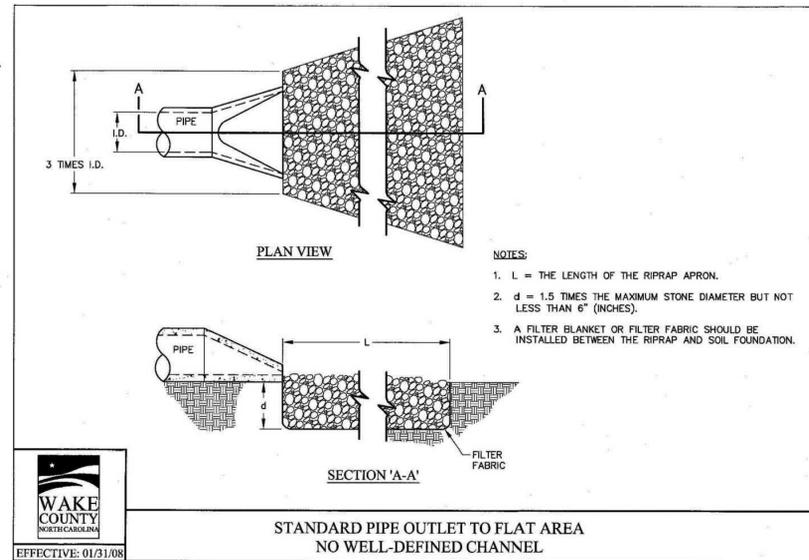
PROJECT NO. AWH-20000  
FILENAME AWH20000-CD-PKG-01-ECS  
CHECKED BY  
DRAWN BY  
SCALE N.T.S.  
DATE 03.21.2022

**SHEET**

**EROSION CONTROL  
DETAILS**

**C6.12**

FINAL DRAWING - RELEASED FOR CONSTRUCTION



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ASHTON WOODS

THE POINT  
PHASES 1, 2, 6 AND 9  
CONSTRUCTION DRAWINGS - PACKAGE 1  
EAST YOUNG STREET  
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,  
WAKE COUNTY, NORTH CAROLINA



William O'Daniel  
Mar 21 2022 9:05 AM  
W.T. O'Daniel

REVISIONS

NO. DATE

PLAN INFORMATION

PROJECT NO. AWH-20000  
FILENAME AWH20000-CD-PKG-01-EC3  
CHECKED BY  
DRAWN BY  
SCALE N.T.S.  
DATE 03.21.2022

SHEET

EROSION CONTROL  
DETAILS

C6.13

### CHANNEL INSTALLATION DETAIL

- Prepare soil before installing rolled erosion control products (RECPs), including any necessary application of lime, fertilizer, and seed.
- Begin at the top of the slope by anchoring the RECPs in a 6" (15cm) deep X 6" (15cm) wide trench with approximately 12" (30cm) of RECPs extended beyond the up-slope portion of the trench. Backfill and compact the trench after stapling. Apply seed to the compacted soil and fold the remaining 12" (30cm) portion of RECPs back over the seed and compacted soil. Secure RECPs over compacted soil with a row of staples/staples spaced approximately 12" (30cm) apart across the width of the RECPs.
- Roll center RECPs in direction of water flow in bottom of channel. RECPs will unroll with appropriate side against the soil surface. All RECPs must be secured to soil surface by placing staples/staples in appropriate locations as shown in the staple pattern guide.
- Place consecutive RECPs end-over-end (single style) with a 4"-6" overlap. Use a double row of staples staggered 4" apart and 4" on center to secure RECPs.
- Full length edge of RECPs at top of side slopes must be anchored with a row of staples/staples approximately 12" (30cm) apart in a 6" (15cm) deep X 6" (15cm) wide trench. Backfill and compact the trench after stapling.
- Adjacent RECPs must be overlapped approximately 2" (5cm) (depending on RECPs type) and stapled.
- In high flow channel applications a staple check aid is recommended at 30 to 40 foot (9-12m) intervals. Use a double row of staples staggered 4" (10cm) apart and 4" (10cm) on center over entire width of the channel.
- The terminal end of the RECPs must be anchored with a row of staples/staples approximately 12" (30cm) apart in a 6" (15cm) deep X 6" (15cm) wide trench. Backfill and compact the trench after stapling.

**CRITICAL POINTS**  
A. Overlaps and Seams  
B. Projected Water Line  
C. Channel Bottom/Side Slope Vertices

**NOTES:**  
\*Horizontal staple spacing should be altered if necessary to allow staples to secure the critical points along the channel surface.  
\*\*In loose soil conditions, the use of staple or stake lengths greater than 6" (15cm) may be necessary to properly secure the RECPs.

**Disclaimer:**  
The information presented herein is general design information only. For specific applications, consult an independent professional for further design guidance.

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### STAPLE PATTERN GUIDE

- 4:1 Slopes (A)
- 3:1 Slopes (B)
- 2:1 Slopes (C)
- 1:1 & Steeper Slopes (D)
- Medium/High Flow Channel (D)
- High Flow Channel And Shoreline (E)

**NOTES:**  
\* Use ECMS<sup>®</sup> for more accurate staple pattern selection.

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### CHANNEL INSTALLATION DETAIL

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### INSTALLATION DETAIL

**BAG DETAIL**

**NOTES:**  
1. SOME MUNICIPALITIES DO NOT ALLOW GUTTER PROTECTION ON PUBLIC ROADS. SILT BAGS SHOULD BE USED WITH THESE CASES.  
2. BAGS SHOULD BE CLEANED OUT AFTER EVERY RAIN EVENT AND/OR AS NEEDED.

**STANDARD SILT BAG - INLET SEDIMENT CONTROL DEVICE**

**WAKE COUNTY**  
NORTH CAROLINA  
EFFECTIVE: 01/31/08

### SILT BAG

**NOTES:**  
1. USE NO. 5 OR NO. 57 STONE FOR SEDIMENT CONTROL STONE.  
2. PROVIDE STABILIZED OUTLET TO STREAM BANK.  
3. WOOD PALLETS MAY BE USED IN LIEU OF STONE AND GEOTEXTILE AS DIRECTED. A SUFFICIENT NUMBER OF PALLETS MUST BE PROVIDED TO ELEVATE THE ENTIRE SPECIAL STILLING BASIN ABOVE NATURAL GROUND.  
4. THE SIZE AND NUMBER OF SILT BAGS SHOULD BE BASED ON THE DEWATERING PUMP AND MANUFACTURER RECOMMENDATIONS.  
5. TIGHTLY SECURE THE PUMP DISCHARGE TO THE SILT BAG SLEEVE WITH A STRAP OR SIMILAR DEVICE TO PREVENT WATER/SEDIMENT FROM LEAKING WITHOUT TREATMENT.  
6. CONTROL PUMPING RATE TO PREVENT EXCESSIVE PRESSURE WITHIN THE SILT BAG IN ACCORDANCE WITH THE MANUFACTURER RECOMMENDATIONS. AS THE BAG FILLS WITHIN SEDIMENT, REDUCE THE PUMP RATE.  
7. REPLACE THE SILT BAG WHEN ONE HALF (1/2) FULL OF SEDIMENT.  
8. SILT BAG DEVICE MUST BE 2.5FT FROM THE TOP OF THE STREAM BANK AND WATER MUST BE DISCHARGED IN A DIFFUSE MANNER.

**NOT TO SCALE**

### TEMPORARY WATTLE DETAIL

**NOTES:**  
1. USE MINIMUM 12" DIAMETER WATTLE (LARGER WATTLES MAY BE REQUIRED TO KEEP SEDIMENT ON SITE).  
2. USE 2" WOODEN STAKES WITH A 2" NOMINAL CROSS SECTION.  
3. INSTALL A MINIMUM OF TWO UP SLOPE STAKES AND 4 DOWN SLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO EXISTING GRADE.  
4. PROVIDE STAPLES OF 0.125" DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 6" IN LENGTH.  
5. INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON THE UP SLOPE SIDE OF THE WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

**MAINTENANCE:**  
1. WATTLES SHOULD BE CHECKED AND CLEARED OF ACCUMULATED DEBRIS AND SEDIMENT.  
2. REPLACE AS REQUIRED.

**TEMPORARY WATTLE DETAIL**  
N.T.S.

### PERSPECTIVE VIEW

**INSTALLATION NOTES:**  
1. REFER TO "NORTH CAROLINA DIVISION OF FOREST RESOURCES" LITERATURE, "INSTALLATION MAINTENANCE GUIDELINES, & "NORTH CAROLINA FORESTRY BMP MANUAL-2008".  
2. INSTALL WATER DIVERSION DEVICES (WATER BARS, TURNOUTS, BROAD-BASED DIPS, ETC.) ON BOTH SIDES OF THE MATS.  
3. STABILIZE EXPOSED MINERAL SOIL WITH TREE TOPS OR BRUSH DURING MAT INSTALLATION, AND SEEDING/MULCH AFTER MAT REMOVAL.  
4. INSTALL MATS TO CREATE A MINIMUM TEN FOOT BRIDGE WIDTH.  
5. INCLUDE COARSE AGGREGATE ON THE APPROACHWAY FOR A MINIMUM OF 25 FEET AND SILT FENCE ALONG STREAMBANKS ADJACENT TO CROSSING FOR A MINIMUM OF 25 FEET.

**MAINTENANCE NOTES:**  
1. KEEP MATS' SURFACE FREE OF MINERAL SOIL AND DEBRIS THAT COULD ENTER STREAM.  
2. PERIODICALLY CHECK MAT HARDWARE. RETIGHTEN NUTS & CABLE CLAMPS AS NECESSARY TO MAINTAIN BRIDGE STRENGTH AND INTEGRITY.  
3. IMMEDIATELY REMOVE ANY DEBRIS WHICH ENTERS THE STREAM AT THE CROSSING LOCATION.

**REMOVAL NOTES:**  
1. CLEAN OFF BRIDGE SURFACE.  
2. REMOVE MATS BY USING MAT CABLE LOOP OR SKIDDER GRAPPLE.  
3. PERMANENTLY STABILIZE DISTURBED PORTIONS OF STREAMBANK AND APPROACH ROADS WITH PERENNIAL GRASSES/MULCH (OR WETLAND MIX WHEN APPLICABLE).  
4. LEAVE APPROPRIATE WATER DIVERSION STRUCTURES IN PLACE ON BOTH SIDES OF STREAM.  
5. RESTORE THE STREAM CHANNEL TO ITS ORIGINAL CROSS-SECTION, AND SMOOTH AND APPROPRIATELY STABILIZE ALL DISTURBED AREAS.

**STANDARD TEMPORARY STREAM CROSSING OPTION**

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