THE POINT - PHASES 3, 4, 5, 7 AND 10

EAST YOUNG STREET
ROLESVILLE, NORTH CAROLINA

CONSTRUCTION DRAWINGS - PACKAGE 2

PROJECT NUMBER: AWH-20000

DATE: JULY 28, 2021

15.4.5 - Streets

15.4.5.1
Type of Street Required All subdivision lots shall abut at least 20 feet on a public street. All public streets shall be dedicated to the Town of Rolesville, the State of North Carolina or the public as determined appropriate by the Board of Commissioners of the Town of Rolesville. All public streets shall be built to the standards of this ordinance and all other applicable standards of the Town of Rolesville and the North Carolina Department of Transportation. Public streets not dedicated to the Town which are eligible for acceptance into the State Highway System shall be constructed to the standards necessary to be put on the State Highway System or the standards in this ordinance, whichever is stricter, in regard to each particular item and shall be put on such system. Streets not dedicated to the Town which are not eligible to be put on the State Highway System because there are too few lots or residences shall, nevertheless, be dedicated to the public and shall be in accordance with the standards in this ordinance or the standards necessary to be put on the State Highway System, whichever is stricter in regard to each particular item, so as to be eligible to be put on the system at a
later date. A written maintenance agreement with provisions for maintenance of the street until it is put on the State System shall be included with the final plat.

15.4.5.2
Subdivision Street Disclosure Statement All streets shown on the final plat shall be designated in accordance with G.S. § 136-102.6 and designation as public shall be conclusively presumed an offer of dedication to the public. Where streets are dedicated to the public but not accepted into a municipal or the State system, before lots are sold, a statement explaining the status of the street shall be included with the final plat.

PARCEL OWNER LIST		
PIN	OWNER	AREA
1768266125	ASHTON RALEIGH RESIDENTIAL, LLC 5711 SIX FORKS ROAD, SUITE 300 RALEIGH, NC 27609	52.89 AC.
1768067597	ASHTON RALEIGH RESIDENTIAL, LLC 5711 SIX FORKS ROAD, SUITE 300 RALEIGH, NC 27609	3.74 AC.
1768044257	ASHTON RALEIGH RESIDENTIAL, LLC 5711 SIX FORKS ROAD, SUITE 300 RALEIGH, NC 27609	108.49 AC.
1758930017	ASHTON RALEIGH RESIDENTIAL, LLC 5711 SIX FORKS ROAD, SUITE 300 RALEIGH, NC 27609	38.43 AC.
1768068057	ASHTON RALEIGH RESIDENTIAL, LLC 5711 SIX FORKS ROAD, SUITE 300 RALEIGH, NC 27609	104.19 AC.

SURVEY BY:

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

TOPOGRAPHIC DECEMBER 22, 2019
ALTA SURVEY DECEMBER 12, 2019

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

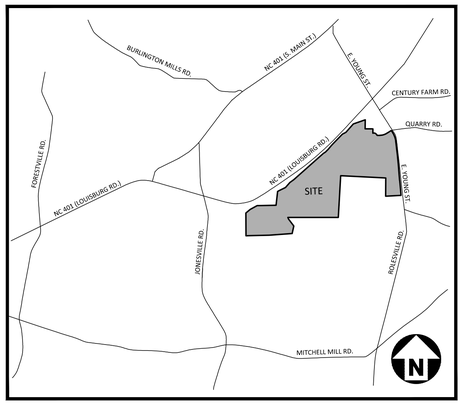
SURVEY NOTES

1. THE PROPERTY LIES IN ZONE "X" PER NATIONAL FLOOD INSURANCE PROGRAM RATE MAP 3720175800J & 3720176800J DATES 05/02/2006.
2. ALL DISTANCES ARE HORIZONTAL GROUND DISTANCES AND ALL BEARINGS ARE BASED ON OBSERVED GPS CONTROL. NAD 83 / NSRS 2011 / STATE PLANE COORDINATES.
3. SUBJECT PARCEL ZONED R & PUD PER WAKE COUNTY GIS.
4. SURVEY WAS PREPARED BY BATEMAN CIVIL SURVEY COMPANY UNDER THE SUPERVISION OF STEVEN P. CARSON, PLS. FIELD WORK WAS COMPLETED DEC 3 - 21, 2018.
5. AREAS COMPUTED BY COORDINATE METHOD.
6. SANITARY SEWER LINE EASEMENT WAS CREATED BASED ON CENTER LINES ON MANHOLES USING FIELD EVIDENCE.
7. NO CEMETERIES OBSERVED AS A RESULT OF THE SURVEY.
8. BUILDINGS ARE AS SHOWN ON SURVEY.

Impervious Summary		
Total Areas For Lots		
SF-60=	0	sf
SF-40=	0	sf
SF-39=	0	sf
SF-50=	1047229	sf
TH-22	343630	sf

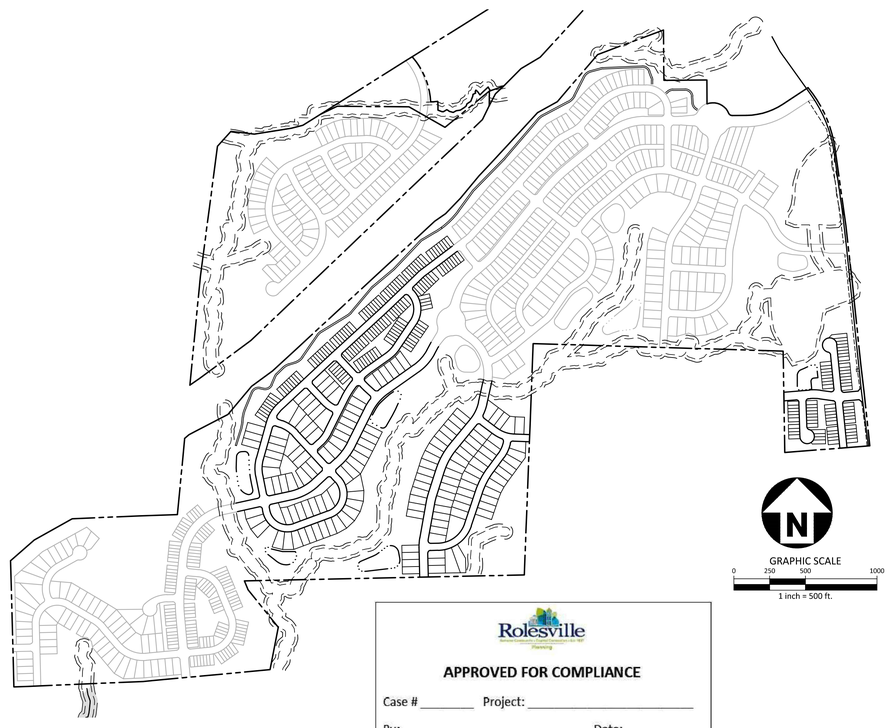
Lot Assumptions Breakdown	Impervious	Roof(70% Imp.)	Sidewalk(10% Imp.)	Driveway(20% Imp.)	Pervious
SF-60	0.00	0.00	0.00	0.00	0.00
SF-40	0.00	0.00	0.00	0.00	0.00
SF-39	0.00	0.00	0.00	0.00	0.00
SF-50	617865	432505	61786	123573	429364
TH-22	312703	218892	31270	62541	30927
Totals(sf)=	*930568*	*651398*	*93057*	*186114*	*460291*

Residential	Area	
Roadways=	638819	sf
Grassed Right-of-ways=	4524384	sf
Driveways=	186114	sf
Parking Lot=	0	sf
Roof=	651398	sf
Sidewalk(includes Patio)=	392258	sf
Lawn=	460291	sf
Managed Pervious=	0	sf
Woods(not on lots)=	3023652	sf
Woods(on Lots)=	74326	sf
Pond	365221	sf
Open(includes Crops)	6210066	sf



VICINITY MAP

N.T.S.



Rolesville
Planning

APPROVED FOR COMPLIANCE

Case # _____ Project: _____

By: _____ Date: _____

These plans have been approved for compliance with the Town Code of Ordinance, UDO, and Standard Specifications & Construction Details, subject to statements & conditions hereby incorporated by reference.

EROSION CONTROL, STORMWATER AND FLOODPLAIN MANAGEMENT

APPROVED

EROSION CONTROL ☐ S-_____

STORMWATER MGMT. ☐ S-_____

FLOOD STUDY ☐ S-_____

DATE_____

WAKE COUNTY NORTH CAROLINA EFFECTIVE 08/23/17

ENVIRONMENTAL CONSULTANT SIGNATURE

SITE PERMITTING APPROVAL

Water and Sewer Permits (If applicable)

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

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

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

CITY OF RALEIGH – PLANS AUTHORIZED FOR CONSTRUCTION

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

City of Raleigh Development Approval _____
City of Raleigh Review Officer

QUANTITIES :

STREETS

QUARRY ROAD "1""	60' R/W	1,833 LF
ATHIRST WAY	50' R/W	418 LF
CHERUBIC WAY	50' R/W	305 LF
CHARM COURT	50' R/W	968 LF
FETCHING PLACE	60' R/W	1,484 LF
LINEAGE PLACE	50' R/W	410 LF
MIRTH COURT	50' R/W	724 LF
ROSY COURT	50' R/W	290 LF
PARAGON PLACE	50' R/W	544 LF
SANGUINE WAY	50' R/W	1,429 LF
STRIPS DRIVE	60' R/W	564 LF
SERAPHIC WAY	50' R/W	1,060 LF
SOLACE WAY	50' R/W	2,342 LF

PUBLIC UTILITY IMPROVEMENTS QUANTITIES
(CONSTRUCTION DRAWINGS - PACKAGE 2)

PHASE NUMBER	ALL PHASES
NUMBER OF LOTS	357
LOT NUMBERS	267-623
6" PUBLIC WATER (LF)	616 LF
8" PUBLIC WATER (LF)	6,948 LF
12" PUBLIC WATER (LF)	3,802 LF
8" PUBLIC SEWER (LF)	12,298 LF
WATER SERVICE STUBS	357
SEWER SERVICE STUBS	357

SHEET INDEX

C0.00 PROJECT NOTES AND SITE DETAILS
C0.01 TYPICAL SECTIONS
C0.02 OPEN SPACE PLAN
C1.00 OVERALL EXISTING CONDITIONS
C1.02 EXISTING CONDITIONS AND DEMOLITION PLAN
C1.03 EXISTING CONDITIONS AND DEMOLITION PLAN
C1.04 EXISTING CONDITIONS AND DEMOLITION PLAN
C1.05 EXISTING CONDITIONS AND DEMOLITION PLAN
C2.00 OVERALL SITE PLAN
C2.03 SITE PLAN - AREA "C"
C2.06 SITE PLAN - AREA "F"
C2.07 SITE PLAN - AREA "G"
C2.09 SITE PLAN - AREA "I"
C2.10 SITE PLAN - AREA "J"
C2.11 SITE PLAN - AREA "K"
C2.12 SITE PLAN - AREA "L"
C2.15 SITE PLAN - AREA "O"
C2.16 SITE PLAN - AREA "P"
C3.00 OVERALL GRADING AND STORM DRAINAGE PLAN
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C3.06 GRADING AND STORM DRAINAGE PLAN - AREA "F"
C3.07 GRADING AND STORM DRAINAGE PLAN - AREA "G"
C3.09 GRADING AND STORM DRAINAGE PLAN - AREA "I"
C3.10 GRADING AND STORM DRAINAGE PLAN - AREA "J"
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C3.12 GRADING AND STORM DRAINAGE PLAN - AREA "L"
C3.15 GRADING AND STORM DRAINAGE PLAN - AREA "O"
C3.16 GRADING AND STORM DRAINAGE PLAN - AREA "P"
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C5.04 PLAN AND PROFILE - FETCHING PLACE STA. 10+00.00 THRU STA. 20+00.00
C5.05 PLAN AND PROFILE - FETCHING PLACE STA. 20+00.00 THRU STA. 25+00.00
PLAN AND PROFILE - LINEAGE PLACE
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PLAN AND PROFILE - ROSY COURT
C5.07 PLAN AND PROFILE - PARAGON PLACE
C5.08 PLAN AND PROFILE - SANGUINE WAY STA. 9+50.00 THRU STA. 21+00.00
C5.09 PLAN AND PROFILE - SANGUINE WAY STA. 21+00.00 THRU STA. 24+50.00
PLAN AND PROFILE - STRIPS DRIVE
C5.10 PLAN AND PROFILE - SERAPHIC WAY
C5.11 PLAN AND PROFILE - SOLACE WAY STA. 9+50.00 THRU STA. 22+00.00
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C5.13 PLAN AND PROFILE - SANITARY SEWER OUTFALL "D" AND "E"
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C8.02 SITE DETAILS
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C8.06 WATER DETAILS
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C9.01I STORMWATER CONTROL MEASURE "I" DETAILS
C9.02I STORMWATER CONTROL MEASURE "I" DETAILS
C9.03I STORMWATER CONTROL MEASURE "I"LANDSCAPE PLAN
C9.00J STORMWATER CONTROL MEASURE "J" PLAN VIEW
C9.01J STORMWATER CONTROL MEASURE "J" DETAILS
C9.02J STORMWATER CONTROL MEASURE "J" DETAILS
C9.03J STORMWATER CONTROL MEASURE "J"LANDSCAPE PLAN
L5.00 OVERALL LANDSCAPE PLAN
L5.03 LANDSCAPE PLAN AREA "C"
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L5.09 LANDSCAPE PLAN AREA "I"
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L5.11 LANDSCAPE PLAN AREA "K"
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L5.15 LANDSCAPE PLAN AREA "O"
L5.16 LANDSCAPE PLAN AREA "P"
L5.20 LANDSCAPE NOTES & CALCULATIONS

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

MCADAMS
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2905 Meridian Parkway
Durham, NC 27713

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fax 919. 361. 2269
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CONTACT

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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

PROJECT DIRECTORY

NORTH CAROLINA PROFESSIONAL SEAL 22630 ENGINEER WILLIAM T. O'DANIEL
NOT FOR CONSTRUCTION

REVISIONS

NO. DATE

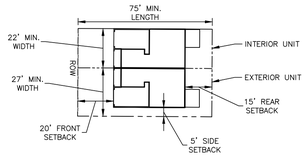
CONSTRUCTION DRAWINGS PACKAGE 1 FOR:

THE POINT
PHASES 1-10 AND 14
EAST YOUNG STREET
ROLESVILLE, NORTH CAROLINA
PROJECT NUMBER: AWH-20000

M:\Projects\AshtonWoods\AWH-20000\04-Production\Engineering\Construction Drawings\Current Drawings\AWH20000-CD-Pkg-02-C51.dwg, 6/7/2021 3:46:45 PM, Williams, Sherrill

TYPICAL LOT DIMENSIONS
SCALE 1" = 40'

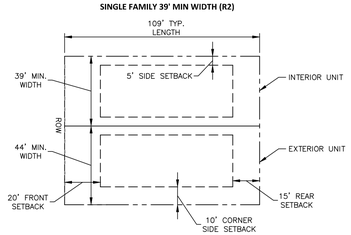
TOWNHOMES 22' INTERIOR LOT (R3)



SETBACKS:
15' REAR
20' FRONT
5' SIDE

MIN LOT AREA: 1645 SF
REFERENCE SHOWN FOR PRELIMINARY PLAN PURPOSES ONLY. TOWNHOME PLANS TO BE REMOVED UNDER SEPARATE SITE PLAN

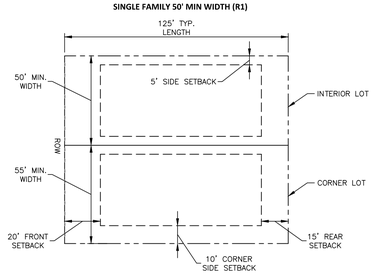
SINGLE FAMILY 39' MIN WIDTH (R2)



SETBACKS:
15' REAR
20' FRONT
5' SIDE
10' SIDE CORNER

MIN LOT AREA: 4,250 SF

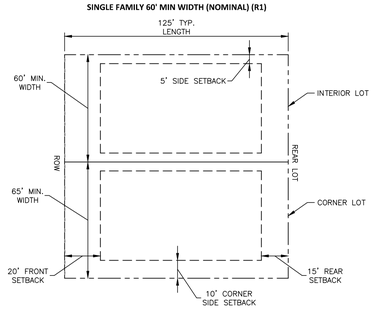
SINGLE FAMILY 50' MIN WIDTH (R1)



SETBACKS:
15' REAR
20' FRONT
5' SIDE
10' SIDE CORNER

MIN LOT AREA: 6,000 SF

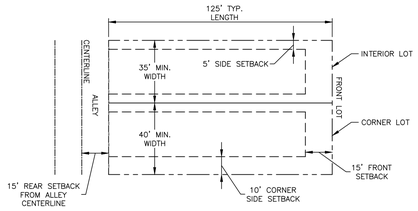
SINGLE FAMILY 60' MIN WIDTH (NOMINAL) (R1)



SETBACKS:
15' REAR
20' FRONT
5' SIDE
10' SIDE CORNER

MIN LOT AREA: 6,000 SF

SINGLE FAMILY 35' MIN WIDTH ALLEY LOAD (R2)



SETBACKS:
15' FRONT
15' REAR FROM ALLEY CENTERLINE
5' SIDE
10' SIDE CORNER

MIN LOT AREA: 4,225 SF

OPEN SPACE REQUIREMENTS

OPEN SPACE	AREA (AC) APPROXIMATE ACTIVE	PASSIVE	TOTAL	USE DESCRIPTION
OS-4		3.61	157,160 SF (3.61 AC)	
OS-5	2.38	10.74	571,471 SF (13.12 AC)	PUBLIC GREENWAY, EXERCISE STATION
OS-6	0.82	0.54	59,307 SF (1.36 AC)	PLAY AREA
OS-7	1.00	4.18	225,677 SF (5.18 AC)	PUBLIC GREENWAY WITH PRIVATE GREENWAY ACCESS
OS-8	1.60	12.94	633,331 SF (14.54 AC)	PUBLIC/PRIVATE GREENWAY WITH ACCESS TO PUBLIC GREENWAY, PLAY AREA, MAIL KIOSK
OS-9		5.52	240,571 SF (5.52 AC)	
OS-10		0.35	15,257 SF (0.35 AC)	
OS-11		0.71	30,965 SF (0.71 AC)	
OS-12	0.25	9.24	413,585 SF (9.49 AC)	DOG PARK
OS-13		0.37	16,056 SF (0.37 AC)	
OS-14	0.74	8.38	397,331 SF (9.12 AC)	PRIVATE GREENWAY TRAIL, PLAYGROUND, MAIL KIOSK
OS-15		1.14	49,771 SF (1.14 AC)	
OS-16		0.57	24,981 SF (0.57 AC)	
OS-17	3.13	2.91	263,131 SF (6.04 AC)	AMENITY WITH POOL, CLUBHOUSE, MAIL KIOSK, PRIVATE TRAIL CONNECTION
OS-18	4.88	11.01	692,094 SF (15.89 AC)	PUBLIC GREENWAY, STREET SIDE GREENWAY CONNECTION
OS-19		0.44	19,221 SF (0.44 AC)	
OS-20	0.77	1.59	102,892 SF (2.36 AC)	PLAYGROUND, PICNIC AREA
OS-21		0.94	40,830 SF (0.94 AC)	
OS-22		0.35	15,164 SF (0.35 AC)	
OS-23	0.19	0.24	18,826 SF (0.43 AC)	LINEAR PARK
OS-24		0.29	12,492 SF (0.29 AC)	
OS-25		0.43	18,907 SF (0.43 AC)	
OS-26		0.07	2,909 SF (0.07 AC)	
OS-27		0.12	5,072 SF (0.12 AC)	
OS-28		0.13	5,491 SF (0.13 AC)	
OS-29		0.20	8,566 SF (0.20 AC)	
OS-30		0.12	5,391 SF (0.12 AC)	
OS-31		0.33	14,304 SF (0.33 AC)	
OS-32		0.20	8,761 SF (0.20 AC)	
TOTAL	15.76	77.66	4,069,375 SF (93.42 AC)	SOUTH OF 401 BYPASS

SETBACKS (SOUTH OF 401 BYPASS)

R1 PUD	
FRONT (FRONT LOAD)	20 FT
SIDE	5 FT
AGGREGATE SIDE	10 FT
CORNER SIDE	10 FT
REAR	15 FT
MIN LOT WIDTH	50 FT
MIN LOT AREA	6,000 FT
R2 PUD	
FRONT (FRONT LOAD)	20 FT
FRONT (ALLEY LOAD)	10 FT
SIDE	5 FT
AGGREGATE SIDE	10 FT
CORNER SIDE	10 FT
REAR (FRONT LOAD)	15 FT
REAR (ALLEY LOAD)	5 FT (RIGHT-OF-WAY)
MIN LOT WIDTH	35 FT
R3 PUD	
FRONT	20 FT
SIDE	5 FT (END UNIT)
REAR	15 FT
MIN WIDTH	20 FT

SITE AND OPEN SPACE AREAS

TOTAL SITE AREA	264.27 AC
RETAIL	12.28 AC
RESIDENTIAL	251.99 AC
R3	319 PROPOSED TOWNHOMES
R1	295 SINGLE FAMILY DETACHED
R2	190 SINGLE FAMILY DETACHED
TOTAL UNITS	804
OVERALL DENSITY	3.20 DU/AC
TOWNHOME AREA	46.79 AC
TOWNHOME DENSITY	6.9 DU/AC
ALLOWED DENSITY	6 DU/AC (ENTIRE SITE) 10 DU/AC (TOWNHOME)
OPEN SPACE REQUIRED: SINGLE FAMILY 10% SFD AREA (205.2 AC)	20.52 AC REQUIRED
TOWNHOMES 15% TH AREA (46.79 AC) 35% ACTIVE OS AREA (7.02 AC)	7.02 ACRE REQUIRED 2.46 ACRE REQUIRED
TOTAL OPEN SPACE REQUIRED:	27.54 AC
TOTAL OPEN SPACE PROVIDED:	15.76 AC ACTIVE OPEN SPACE 77.66 AC PASSIVE OPEN SPACE 93.42 TOTAL OPEN SPACE PROVIDED

REQUIRED TOWNHOME PARKING

AREA 1	LOTS 626-740		
AREA 2	LOTS 406-469, 473-538, 620-625		
AREA 3	LOTS 268-335		
	AREA 1	AREA 2	AREA 3
TOTAL UNITS	115	136	68
TOTAL 3 BEDROOM HOMES	86	102	51
TOTAL 2 BEDROOM HOMES	29	34	17
VISITOR PARKING NEEDED	73	85	43
MAIL KIOSK PARKING	5	6	3
TOTAL REQUIRED PARKING	302	357	179
TOTAL END UNITS (END UNITS HAVE 2 SPACES FOR DRIVEWAY PARKING)	40	38	22
PROVIDED PARKING:			
GARAGE PARKING	115	136	68
DRIVEWAY PARKING	155	174	90
STREET PARKING	54	63	31
MAIL KIOSK PARKING	5	6	3
PARKING LOT SPACES	17	49	6
TOTAL PROVIDED PARKING	346	428	198

MAIL KIOSK CALCULATIONS

NUMBER OF MAIL BOXES(UNITS)	REQUIRED PARKING SPACES
52 OR LESS	2
53-78	3
79-104	4
105 OR MORE	4 PLUS 1 PER EACH ADDITIONAL 26 MAILBOXES

MAIL KIOSK AREA 1
MAIL KIOSK CALCULATION:
PHASES 1, 2, 6, 7, AND 9 (312 UNITS)
312 UNITS @ 16 UNITS/KIOSK (CBU) = 21 KIOSKS (CBUs)

MAIL KIOSK PARKING: 312 UNITS
REQUIRED: 12 SPACES
PROVIDED: 12 SPACES (1 ACCESSIBLE)

MAIL KIOSK AREA 2
MAIL KIOSK CALCULATION:
PHASE 10 (68 UNITS)
68 UNITS @ 16 UNITS/KIOSK (CBU) = 5 KIOSKS (CBUs)

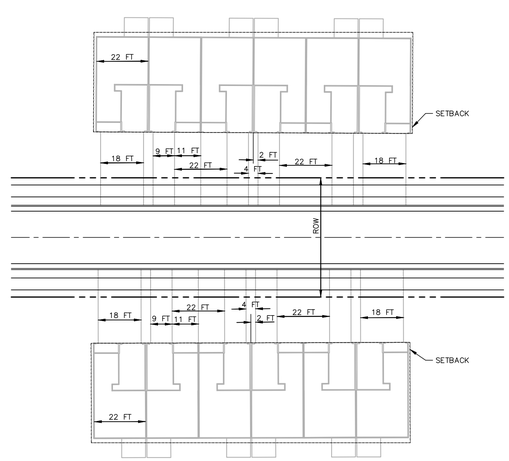
MAIL KIOSK PARKING: 68 UNITS
REQUIRED: 3 SPACES
PROVIDED: 9 SPACES (1 ACCESSIBLE)

MAIL KIOSK AREA 3
MAIL KIOSK CALCULATION:
PHASES 3, 4, AND 5 (245 UNITS)
245 UNITS @ 16 UNITS/KIOSK (CBU) = 16 KIOSKS (CBUs)

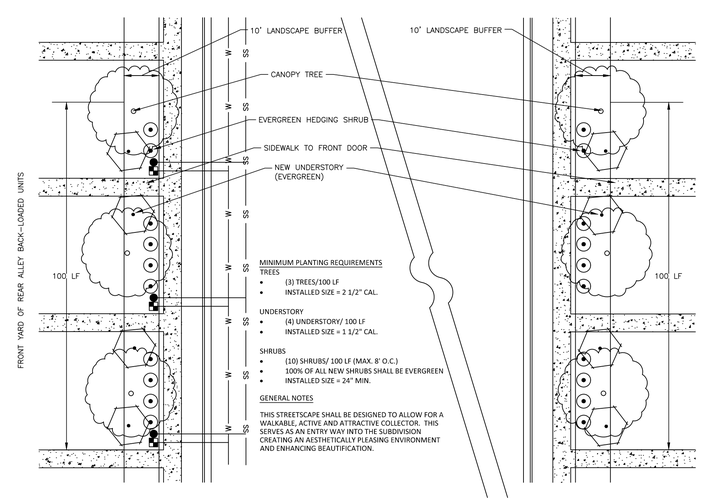
MAIL KIOSK PARKING: 245 UNITS
REQUIRED: 10 SPACES
PROVIDED: 11 SPACES (1 ACCESSIBLE)

MAIL KIOSK AREA 4
MAIL KIOSK CALCULATION:
PHASE 8 AND 14 (179 UNITS)
179 UNITS @ 16 UNITS/KIOSK (CBU) = 12 KIOSKS (CBUs)

MAIL KIOSK PARKING: 179 UNITS
REQUIRED: 7 SPACES
PROVIDED: 14 SPACES (2 ACCESSIBLE)



TYPICAL TOWNHOME DRIVEWAY
SCALE 1"=30



QUARRY ROAD STREETSCAPE
NTS

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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PHONE: 919. 232. 3695
CONTACT: BOB MISHLER

ASHTON WOODS

THE POINT
PHASES 3, 4, 5, 7 AND 10
CONSTRUCTION DRAWINGS - PACKAGE 2
EAST YOUNG STREET
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP, WAKE COUNTY, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 22630 ENGINEER WILLIAM T. O'DANIEL
FOR REVIEW PURPOSES ONLY
NOT FOR CONSTRUCTION

REVISIONS

NO. DATE

PLAN INFORMATION

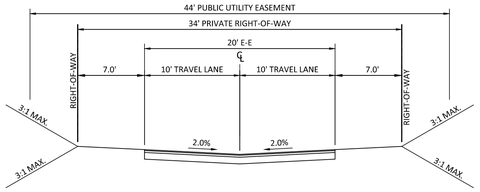
PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-02-N1
CHECKED BY	.
DRAWN BY	.
SCALE	N.T.S.
DATE	07. 28. 2021

SHEET

PROJECT NOTES AND SITE DETAILS

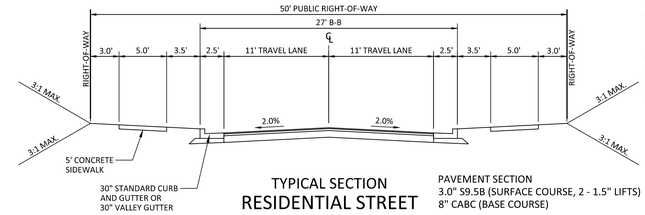
C0.00

M:\Projects\AshtonWoods\AWH-20000\04-Production\Engineering\Construction Drawing\Current Drawing\AWH20000-CD-Pkg-02-N1.dwg, 7/27/2021 11:55:14 AM, Williams, Sherrill



TYPICAL SECTION
ALLEY
(34' R/W, 20' E-E)

PAVEMENT SECTION
3.0" S9.5B (SURFACE COURSE, 2 - 1.5" LIFTS)
8" CABC (BASE COURSE)



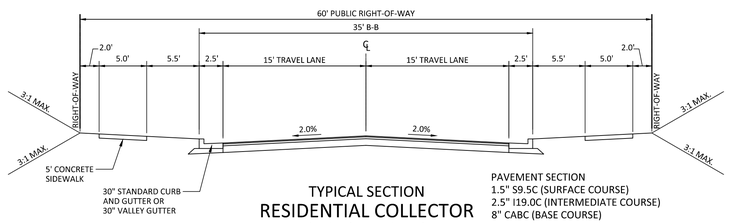
TYPICAL SECTION
RESIDENTIAL STREET
(50' R/W, 27' B-B)

PAVEMENT SECTION
3.0" S9.5B (SURFACE COURSE, 2 - 1.5" LIFTS)
8" CABC (BASE COURSE)

PROPOSED QUARRY RD.

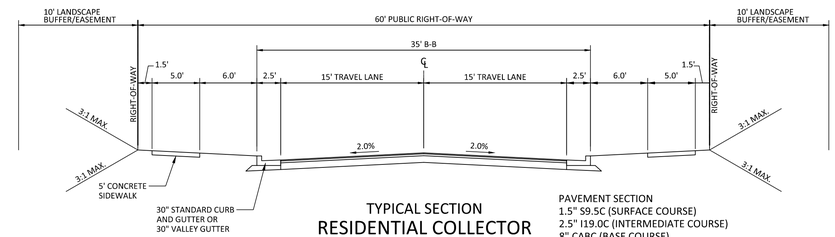
JOCUND STREET TO FETCHING PLACE
60' COLLECTOR
10' TYPE C ORNIMENTAL LANDSCAPE BUFFER/ GREENWAY ESMT NORTHSIDE
10' TYPE C ORNIMENTAL LANDSCAPE BUFFER. SOUTHSIDE

FETCHING PLACE TO E. YOUNG ST.
80' COLLECTOR
20' TYPE C ORNIMENTAL LANDSCAPE BUFFER/ GREENWAY ESMT NORTHSIDE
10' TYPE C ORNIMENTAL LANDSCAPE BUFFER. SOUTHSIDE.
9' LANDSCAPE MEDIAN ALONG CENTERLINE.



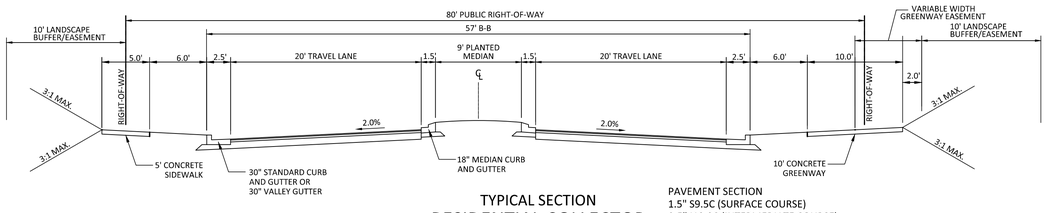
TYPICAL SECTION
RESIDENTIAL COLLECTOR
(60' R/W, 35' B-B)

PAVEMENT SECTION
1.5" S9.5C (SURFACE COURSE)
2.5" I19.0C (INTERMEDIATE COURSE)
8" CABC (BASE COURSE)



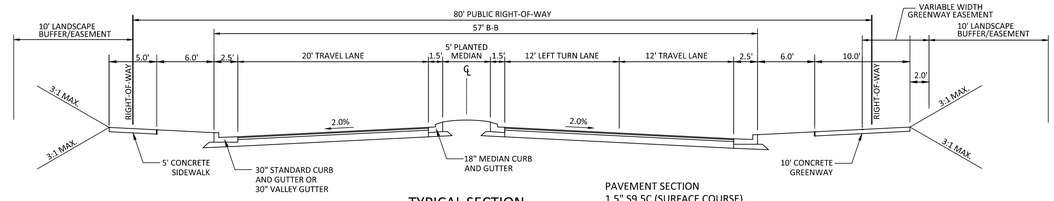
TYPICAL SECTION
RESIDENTIAL COLLECTOR
WITH LANDSCAPE BUFFER
(60' R/W, 35' B-B)

PAVEMENT SECTION
1.5" S9.5C (SURFACE COURSE)
2.5" I19.0C (INTERMEDIATE COURSE)
8" CABC (BASE COURSE)



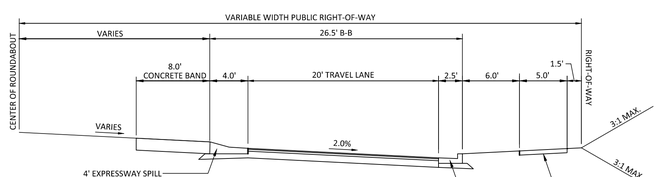
TYPICAL SECTION
RESIDENTIAL COLLECTOR
(80' R/W, 57' B-B)

PAVEMENT SECTION
1.5" S9.5C (SURFACE COURSE)
2.5" I19.0C (INTERMEDIATE COURSE)
8" CABC (BASE COURSE)



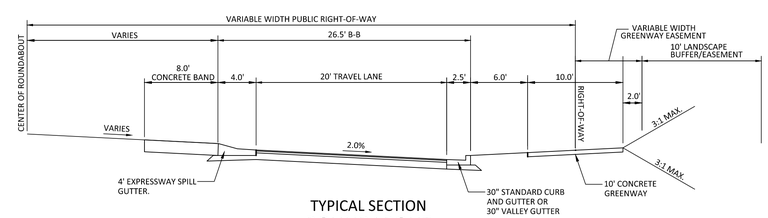
TYPICAL SECTION
RESIDENTIAL COLLECTOR
(80' R/W, 57' B-B)

PAVEMENT SECTION
1.5" S9.5C (SURFACE COURSE)
2.5" I19.0C (INTERMEDIATE COURSE)
8" CABC (BASE COURSE)



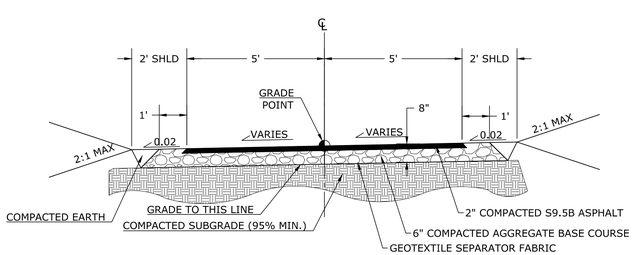
PAVEMENT SECTION
1.5" S9.5C (SURFACE COURSE)
2.5" I19.0C (INTERMEDIATE COURSE)
8" CABC (BASE COURSE)

TYPICAL SECTION
ROUNDABOUT
(VARIABLE R/W, 26.5' B-B)

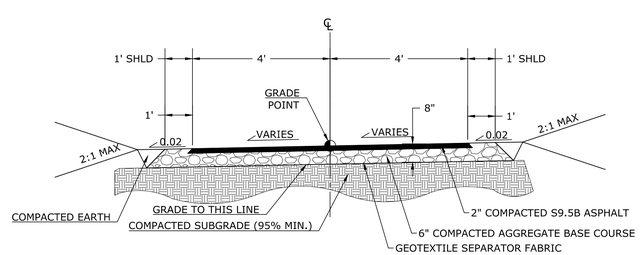


TYPICAL SECTION
ROUNDABOUT
(WITH GREENWAY)
(VARIABLE R/W, 26.5' B-B)

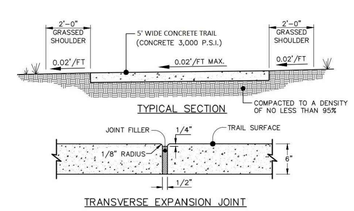
PAVEMENT SECTION
1.5" S9.5C (SURFACE COURSE)
2.5" I19.0C (INTERMEDIATE COURSE)
8" CABC (BASE COURSE)



TYPICAL SECTION
10' WIDE PUBLIC GREENWAY



TYPICAL SECTION
8' WIDE PRIVATE GREENWAY



NOTES:
1. TRANSVERSE EXPANSION JOINTS TO BE A MAXIMUM OF 50 FEET.
2. ALL CONCRETE TO BE FINISHED WITH CURING COMPOUND.
3. A 6 INCH DEPTH IS REQUIRED.
4. SAW CUT JOINTS TO WIDTH OF TRAIL.
5. NO ABOVE GROUND UTILITIES OR UTILITY SURFACE COVERS/PLATES/MANHOLES SHALL BE LOCATED WITHIN TRAIL AND SHALL BE MINIMUM 2 FEET FROM THE EDGE OF TRAIL.
6. TRAILS WILL MEANDER BUT SHALL BE LOCATED MINIMUM 5 FEET FROM THE BACK OF CURB.
7. SIDE SLOPES SHALL NOT EXCEED 3:1. CUT & FILL SLOPES SHALL TIE INTO EXISTING SLOPES TO CREATE AN EVEN TRANSITION.

TYPICAL SECTION
5' WIDE CONCRETE TRAIL

NOTE: THE PAVEMENT SECTIONS SHOWN ABOVE ARE PRELIMINARY AND HAVE NOT BEEN DESIGNED BASED ON EXISTING ON SITE SOIL CONDITIONS. FINAL DESIGN BY THE GEOTECHNICAL ENGINEER SHALL SUPERCEDE THE ABOVE PAVEMENT SECTION.

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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ASHTON WOODS

THE POINT
PHASES 3, 4, 5, 7 AND 10
CONSTRUCTION DRAWINGS - PACKAGE 2
EAST YOUNG STREET
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,
WAKE COUNTY, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 22630 ENGINEER WILLIAM T. O'DANIEL
FOR REVIEW NOT FOR CONSTRUCTION

REVISIONS

NO. DATE

PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-02-N1
CHECKED BY	.
DRAWN BY	.
SCALE	N.T.S.
DATE	07. 28. 2021

SHEET

TYPICAL SECTIONS

C0.01

M:\Projects\AshtonWoods\AWH-20000\04-Production\Engineering\Construction Drawing\Current Drawing\AWH20000-CD-Pkg-02-N1.dwg, 7/27/2021 11:55:28 AM, Williams, Sherrill

OPEN SPACE / TRAILS SUMMARY ENTIRE PROJECT

TOTAL PROJECT AREA	304.00 AC
TOTAL OPEN SPACE	PROVIDED: 146.59 AC
DEVELOPED/ACTIVE RECREATION OPEN SPACE	PROVIDED: 18.28 AC (12.4% OF TOTAL OPEN SPACE)
PROGRAMMED/PASSIVE OPEN SPACE (EXCLUDES WETLANDS, FLOODPLAINS, FLOODWAYS, STEEP SLOPES, ROCK OUTCROPS ENVIRONMENTAL AREAS)	PROVIDED: 92.13 AC (62.9%)
UNPROGRAMMED OPEN SPACE (INCLUDES WETLANDS, FLOODPLAINS, FLOODWAYS, STEEP SLOPES, ROCK OUTCROPS, ENVIRONMENTAL AREAS)	PROVIDED: 36.18 AC (25.7% OF TOTAL OPEN SPACE)
ROLESVILLE PUBLIC GREENWAY TRAIL LINEAR FEET	PROPOSED: 11,325 LF
PRIVATE WALKING TRAIL LINEAR FEET	PROPOSED: +/– 1,922 LF

OPEN SPACE AREAS ENTIRE PROJECT

OPEN SPACE	CD PACKAGE #	AREA (AC) APPROXIMATE			USE DESCRIPTION
		ACTIVE	PASSIVE	TOTAL	
THE POINT – NORTH					
OS–1	FUTURE	2.52	13.82	711,141 SF (16.33 AC)	OUTDOOR GRILLING W/ SEATING, PLAYGROUND, DOG PARK, MAIL KIOSK, 6' PAVED GREENWAY TRAIL WITH CONNECTION TO PUBLIC GREENWAY, 10' PRIVATE GREENWAY
OS–2	FUTURE		0.20	8,712 SF (0.20 AC)	
OS–3	FUTURE		0.45	19,616 SF (0.45 AC)	
THE POINT – SOUTH					
OS–4	FUTURE		3.61	157,160 SF (3.61 AC)	
OS–5	FUTURE	2.38	10.74	571,471 SF (10.12 AC)	PUBLIC GREENWAY, EXERCISE STATION
OS–6	FUTURE	0.82	0.54	59,307 SF (1.36 AC)	PLAY AREA
OS–7	FUTURE	1.00	4.18	225,677 SF (5.18 AC)	PUBLIC GREENWAY WITH PRIVATE GREENWAY ACCESS
OS–8	2	1.60	12.94	633,331 SF (14.54 AC)	PUBLIC/PRIVATE GREENWAY WITH ACCESS TO PUBLIC GREENWAY, PLAY AREA, MAIL KIOSK
OS–9	2		5.52	240,571 SF (5.52 AC)	
OS–10	2		0.35	15,257 SF (0.35 AC)	
OS–11	2		0.71	30,965 SF (0.71 AC)	
OS–12	1	0.25	9.24	413,585 SF (9.49 AC)	DOG PARK
OS–13	1		0.37	16,056 SF (.37 AC)	
OS–14	1	0.74	8.38	397,331 SF (9.12 AC)	PRIVATE GREENWAY TRAIL, PLAY AREA, MAIL KIOSK
OS–15	2		1.14	49,771 SF (1.14 AC)	
OS–16	2		0.57	24,981 SF (0.57 AC)	
OS–17	1	3.13	2.91	263,131 SF (6.04 AC)	AMENITY WITH POOL, CLUBHOUSE, MAIL KIOSK, PRIVATE TRAIL CONNECTION
OS–18	1	4.88	11.01	692,094 SF (15.89 AC)	PUBLIC GREENWAY, PUBLIC STREET SIDE GREENWAY CONNECTION
OS–19			0.44	19,221 SF (0.44 AC)	
OS–20	1	0.77	1.59	102,892 SF (2.36 AC)	PLAYGROUND, PICNIC AREA
OS–21	2		0.94	40,830 SF (0.94 AC)	
OS–22	2		0.35	15,164 SF (0.35 AC)	
OS–23	2	0.19	0.24	18,826 SF (0.43 AC)	LINEAR PARK
OS–24	1		0.29	12,492 SF (0.29 AC)	
OS–25	1		0.43	18,907 SF (0.43 AC)	
OS–26	1		0.07	2,909 SF (0.07 AC)	
OS–27	1		0.12	5,072 SF (0.12 AC)	
OS–28	1		0.13	5,491 SF (0.13 AC)	
OS–29	2		0.20	8,566 SF (0.20 AC)	
OS–30	2		0.12	5,391 SF (0.12 AC)	
OS–31	FUTURE		0.33	14,304 SF 0.33 AC)	
OS–32	FUTURE		0.20	8,761 SF (0.20 AC)	
TOTAL		18.28	92.13	4,809,459 SF (110.41 AC) ENTIRE PROJECT	

SITE LEGEND

- PHASE LINE
- WETLANDS
- UNPROGRAMMED OPEN SPACE
- PROGRAMMED/PASSIVE OPEN SPACE
- DEVELOPED / ACTIVE RECREATION SPACE
- OS–# OPEN SPACE (OS) NUMBER
- FUTURE PHASE

NOTE: FUTURE PHASES SHOWN FOR TOTAL OPEN SPACE CALCULATIONS ONLY

SITE AND OPEN SPACE AREAS - CD PKG 2

TOTAL SITE AREA	264.27 AC
RETAIL	12.28 AC
RESIDENTIAL	251.99 AC
R3	319 PROPOSED TOWNHOMES
R1	295 SINGLE FAMILY DETACHED
R2	190 SINGLE FAMILY DETACHED
TOTAL UNITS	804
OVERALL DENSITY	3.20 DU/AC
TOWNHOME AREA	46.79 AC
TOWNHOME DENSITY	6.9 DU/AC
ALLOWED DENSITY	6 DU/AC (ENTIRE SITE) 10 DU/AC (TOWNHOME)
OPEN SPACE REQUIRED: SINGLE FAMILY 10% SFD AREA (205.2 AC)	20.52 AC REQUIRED
TOWNHOMES 15% TH AREA (46.79 AC) 35% ACTIVE OS AREA (7.02 AC)	7.02 ACRE REQUIRED 2.46 ACRE REQUIRED
TOTAL OPEN SPACE REQUIRED:	27.54 AC
TOTAL OPEN SPACE PROVIDED:	15.76 AC ACTIVE OPEN SPACE 77.66 AC PASSIVE OPEN SPACE 93.42 TOTAL OPEN SPACE PROVIDED

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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ASHTON WOODS

THE POINT
PHASES 3, 4, 5, 7 AND 10
CONSTRUCTION DRAWINGS - PACKAGE 2
EAST YOUNG STREET
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,
WAKE COUNTY, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 2027 SARA RUNGE DONOVAN
FOR REVIEW AND COMMENT NOT FOR CONSTRUCTION

REVISIONS

NO. DATE

PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-01-OSP2
CHECKED BY	SRD
DRAWN BY	JGY
SCALE	1"=250'
DATE	07. 28. 2021

SHEET

OPEN SPACE PLAN

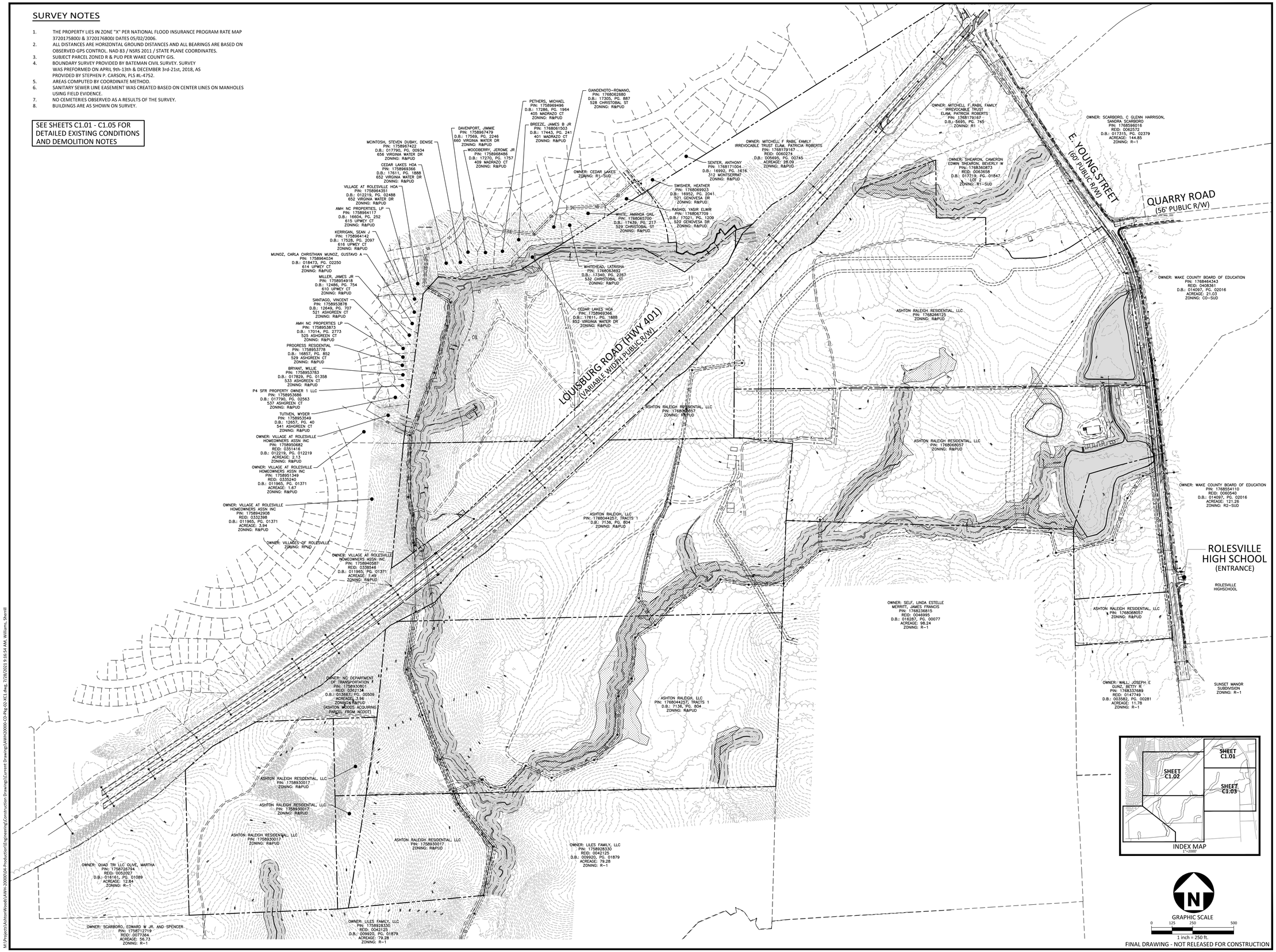
C0.02

M:\Projects\AshtonWoods\AWH-20000\04-Production\Engineering\Construction Drawing\Current Drawing\AWH20000-CD-Pkg-02-OSP1.dwg, 7/27/2021 3:31:52 PM, Hesselblad, Paul

SURVEY NOTES

1. THE PROPERTY LIES IN ZONE "X" PER NATIONAL FLOOD INSURANCE PROGRAM RATE MAP 3720175800J & 3720176800J DATES 05/02/2006.
2. ALL DISTANCES ARE HORIZONTAL GROUND DISTANCES AND ALL BEARINGS ARE BASED ON OBSERVED GPS CONTROL. NAD 83 / NSRS 2011 / STATE PLANE COORDINATES.
3. SUBJECT PARCEL ZONED R & PUD PER WAKE COUNTY GIS.
4. BOUNDARY SURVEY PROVIDED BY BATEMAN CIVIL SURVEY. SURVEY WAS PREFORMED ON APRIL 9th-13th & DECEMBER 3rd-21st, 2018, AS PROVIDED BY STEPHEN P. CARSON, PLS #L-4752.
5. AREAS COMPUTED BY COORDINATE METHOD.
6. SANITARY SEWER LINE EASEMENT WAS CREATED BASED ON CENTER LINES ON MANHOLES USING FIELD EVIDENCE.
7. NO CEMETERIES OBSERVED AS A RESULTS OF THE SURVEY.
8. BUILDINGS ARE AS SHOWN ON SURVEY.

SEE SHEETS C1.01 - C1.05 FOR DETAILED EXISTING CONDITIONS AND DEMOLITION NOTES



FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

M:\Projects\AshtonWoods\AWH-20000\04-Production\Engineering\Construction Drawings\Current Drawings\AWH20000-CD-Pkg-02-XC1.dwg, 7/28/2021 9:16:54 AM, Williams, Sherrill

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ASHTON WOODS

THE POINT
PHASES 3, 4, 5, 7 AND 10
CONSTRUCTION DRAWINGS - PACKAGE 2
EAST YOUNG STREET
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,
WAKE COUNTY, NORTH CAROLINA

REVISIONS

NO. DATE

PLAN INFORMATION

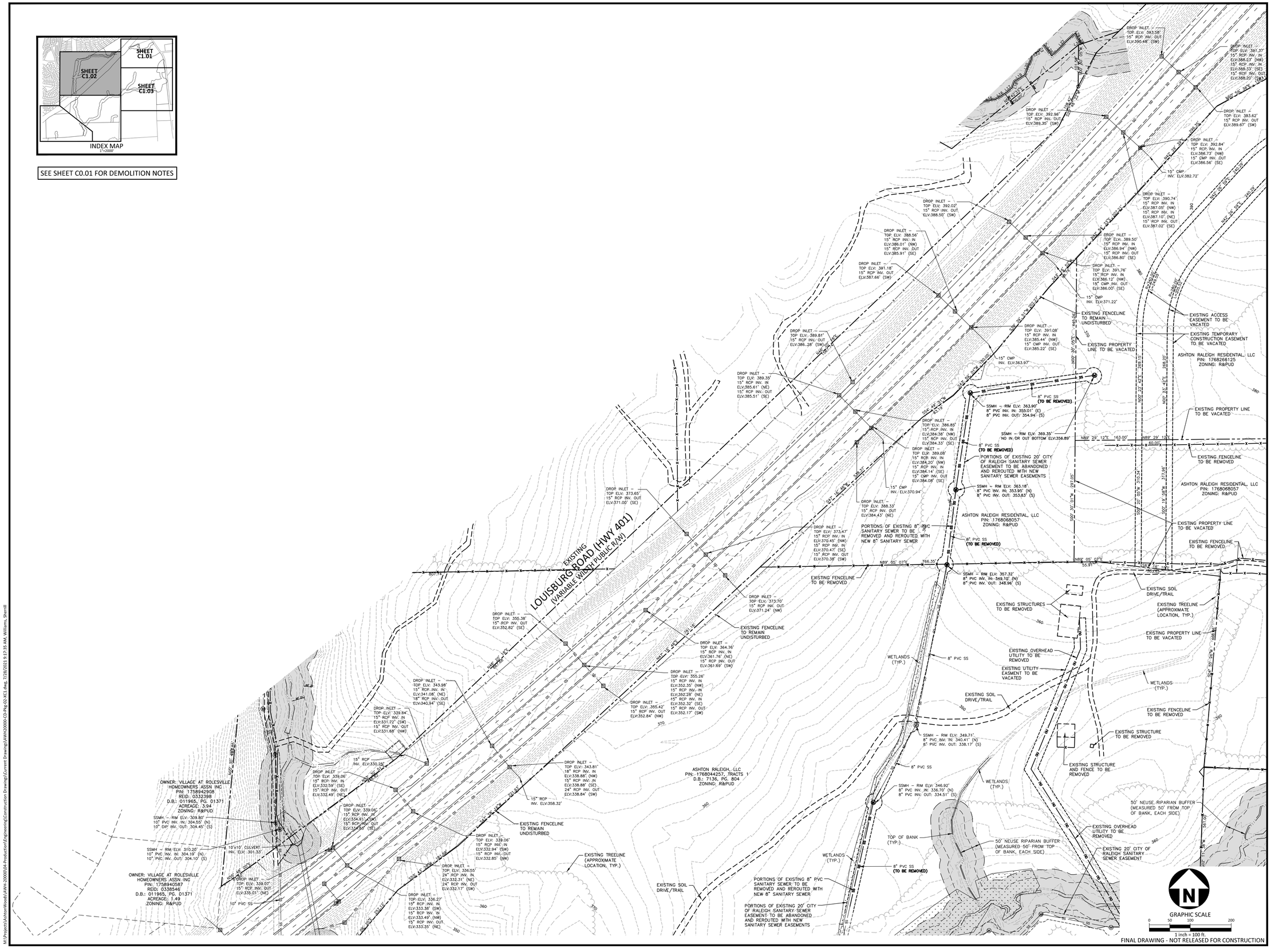
PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-01-XC1
CHECKED BY	.
DRAWN BY	.
SCALE	1"=250'
DATE	07. 28. 2021

SHEET

OVERALL EXISTING CONDITIONS

C1.00

SEE SHEET C0.01 FOR DEMOLITION NOTES



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PHONE: 919. 232. 3695
CONTACT: BOB MISHLER

ASHTON WOODS

THE POINT
PHASES 3, 4, 5, 7 AND 10
CONSTRUCTION DRAWINGS - PACKAGE 2
EAST YOUNG STREET
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP, WAKE COUNTY, NORTH CAROLINA

REVISIONS

NO. DATE

PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-01-XC1
CHECKED BY	.
DRAWN BY	.
SCALE	1"=100'
DATE	07. 28. 2021

SHEET

EXISTING CONDITIONS AND DEMOLITION PLAN

C1.02

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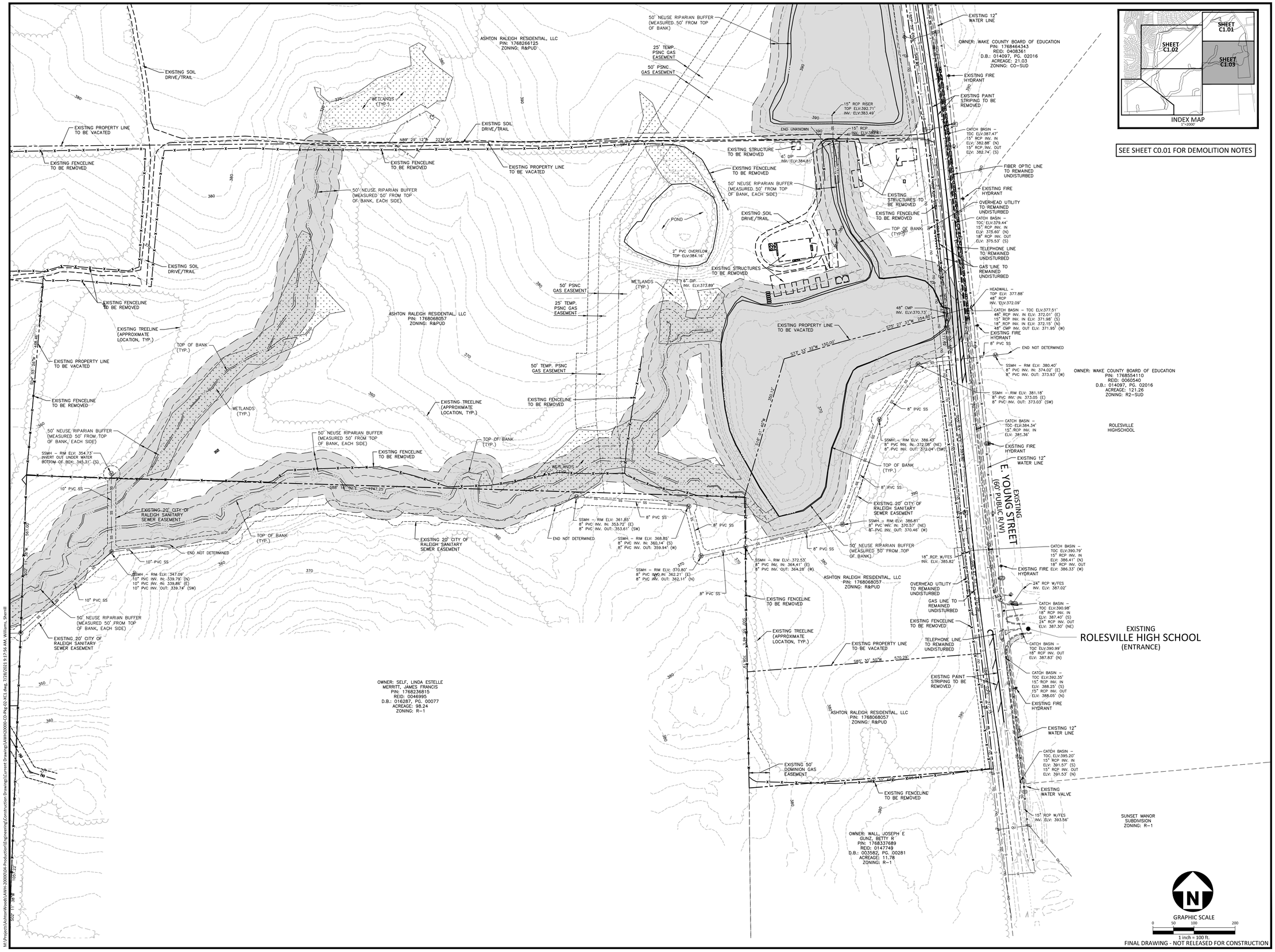

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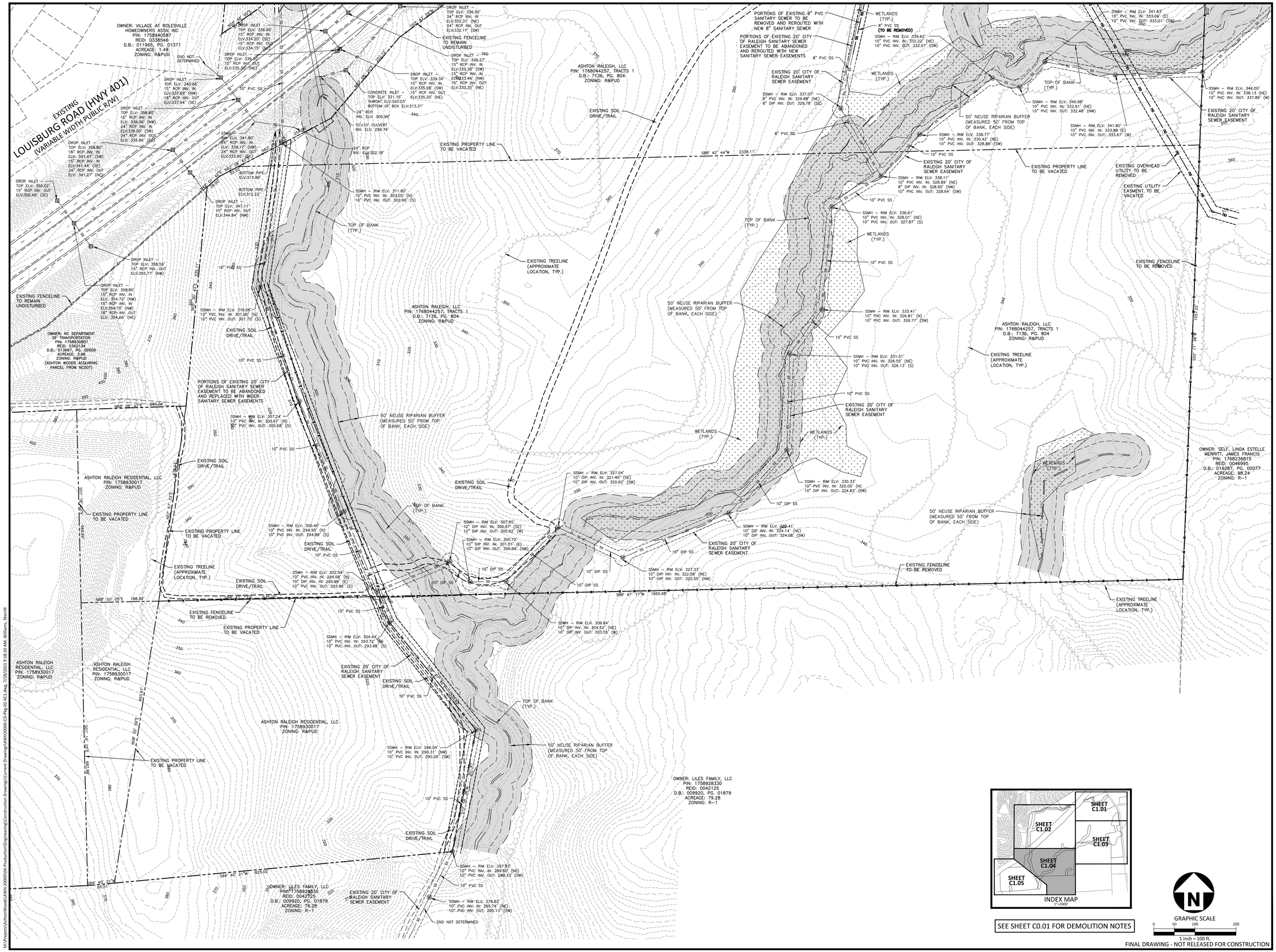
SHEET

EXISTING CONDITIONS AND DEMOLITION PLAN

C1.03



SEE SHEET C0.01 FOR DEMOLITION NOTES

GRAPHIC SCALE
0 50 100 200
1 inch = 100 ft.

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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EXISTING CONDITIONS AND DEMOLITION PLAN

C1.04

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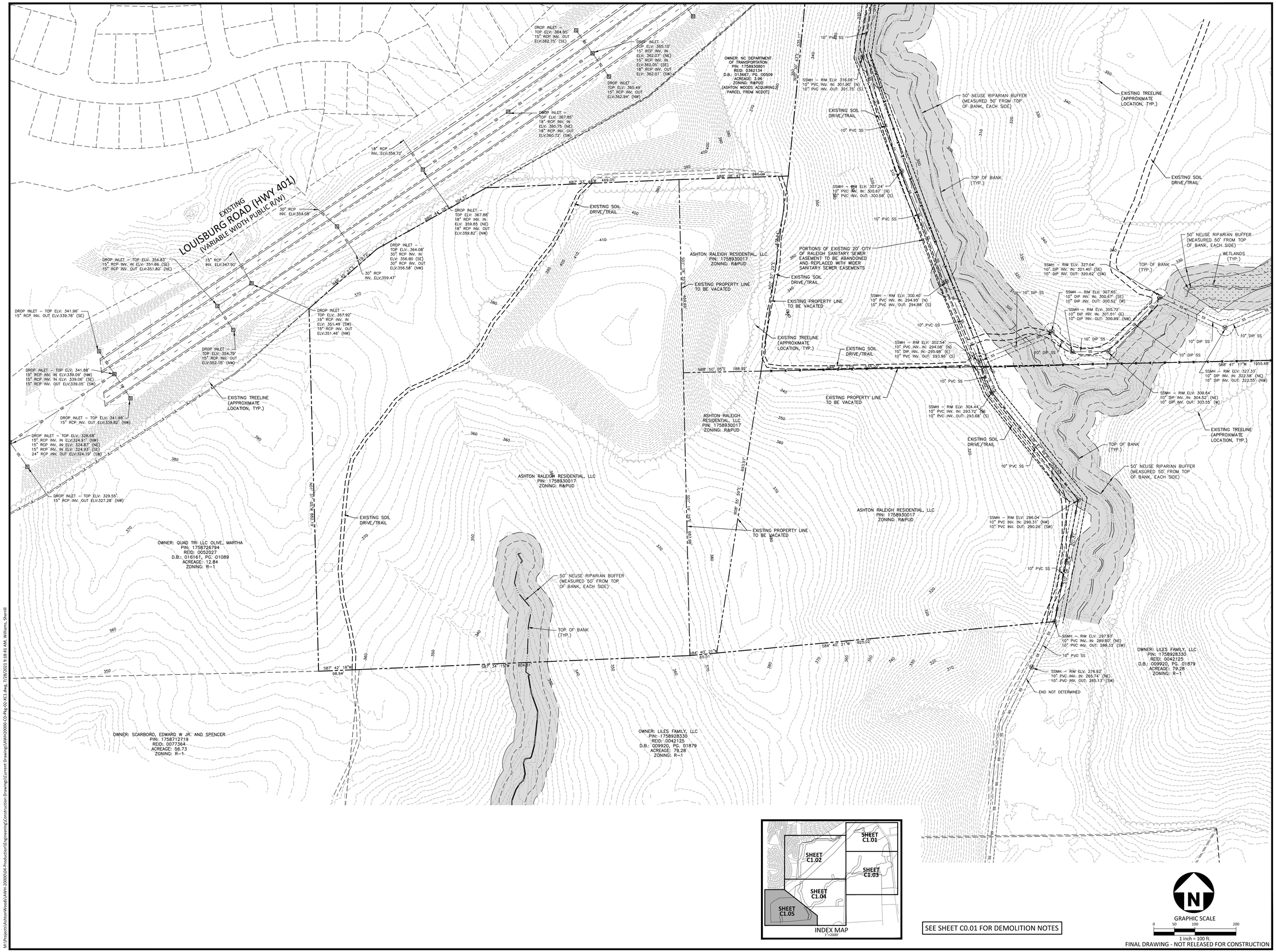

INDEX MAP
1"=2000'

SEE SHEET C0.01 FOR DEMOLITION NOTES

GRAPHIC SCALE
0 50 100 200
1 inch = 100 ft.

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SHEET

EXISTING CONDITIONS AND DEMOLITION PLAN

C1.05

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NOTES:

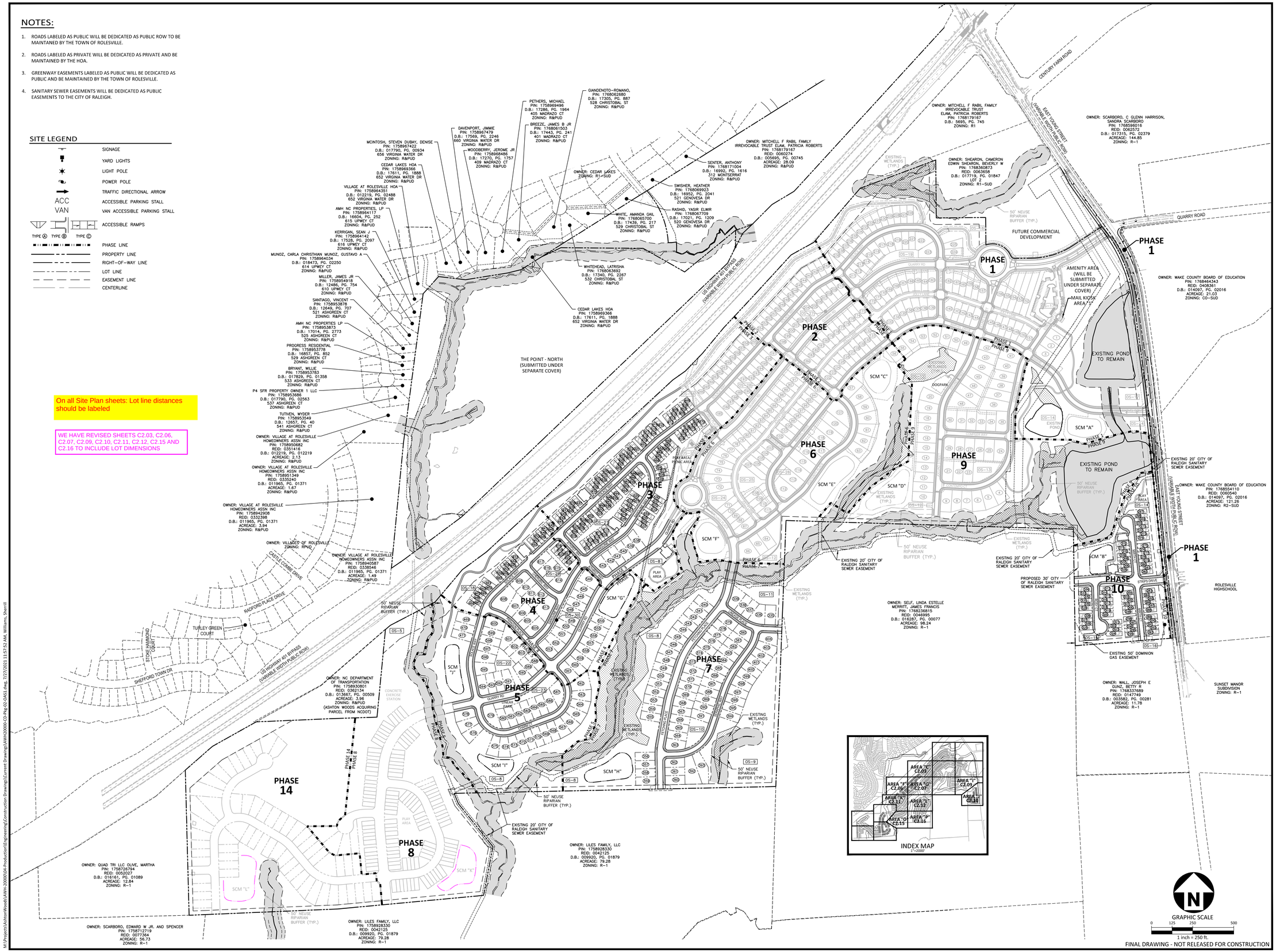
1. ROADS LABELED AS PUBLIC WILL BE DEDICATED AS PUBLIC ROW TO BE MAINTANED BY THE TOWN OF ROLESVILLE.
2. ROADS LABELED AS PRIVATE WILL BE DEDICATED AS PRIVATE AND BE MAINTAINED BY THE HOA.
3. GREENWAY EASEMENTS LABELED AS PUBLIC WILL BE DEDICATED AS PUBLIC AND BE MAINTAINED BY THE TOWN OF ROLESVILLE.
4. SANITARY SEWER EASEMENTS WILL BE DEDICATED AS PUBLIC EASEMENTS TO THE CITY OF RALEIGH.

SITE LEGEND

- SIGNAGE
- YARD LIGHTS
- LIGHT POLE
- POWER POLE
- TRAFFIC DIRECTIONAL ARROW
- ACC — ACCESSIBLE PARKING STALL
- VAN — VAN ACCESSIBLE PARKING STALL
- ACCESSIBLE RAMPS (TYPE A, TYPE B, TYPE C)
- PHASE LINE
- PROPERTY LINE
- RIGHT-OF-WAY LINE
- LOT LINE
- EASEMENT LINE
- CENTERLINE

On all Site Plan sheets: Lot line distances should be labeled

WE HAVE REVISED SHEETS C2.03, C2.06, C2.07, C2.09, C2.10, C2.11, C2.12, C2.15 AND C2.16 TO INCLUDE LOT DIMENSIONS



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SCALE	1"=250'
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SHEET

OVERALL SITE PLAN

C2.00

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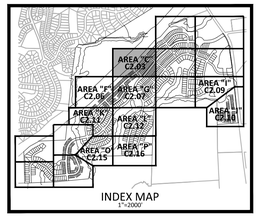

INDEX MAP
1"=2000'

30" VALLEY GUTTER WILL BE USED IN FRONT OF ALL FRONT LOADED SINGLE FAMILY LOTS AND TOWNHOME LOTS.

DE STORM DRAINAGE EASEMENT

SEE SHEET C2.01

EXISTING LOUISBURG ROAD (HWY 401) (VARIABLE WIDTH PUBLIC R/W)

SOLACE WAY (50' PUBLIC R/W)

POSTERITY PLACE (50' PUBLIC R/W)

QUARRY ROAD (50' PUBLIC R/W)

AFFABLE PLACE (50' PUBLIC R/W)

JOLLY LANE (34' PRIVATE ALLEY)

30' TOWN OF ROLESVILLE PUBLIC GREENWAY EASEMENT

10' ASPHALT GREENWAY

100' TYPE B LANDSCAPE BUFFER

10' LANDSCAPE BUFFER

PLAY AREA/ PICNIC AREA

OS-18

OS-28

SEE SHEET C2.07

GRAPHIC SCALE
1 inch = 40 ft.

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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SHEET

SITE PLAN
AREA "C"

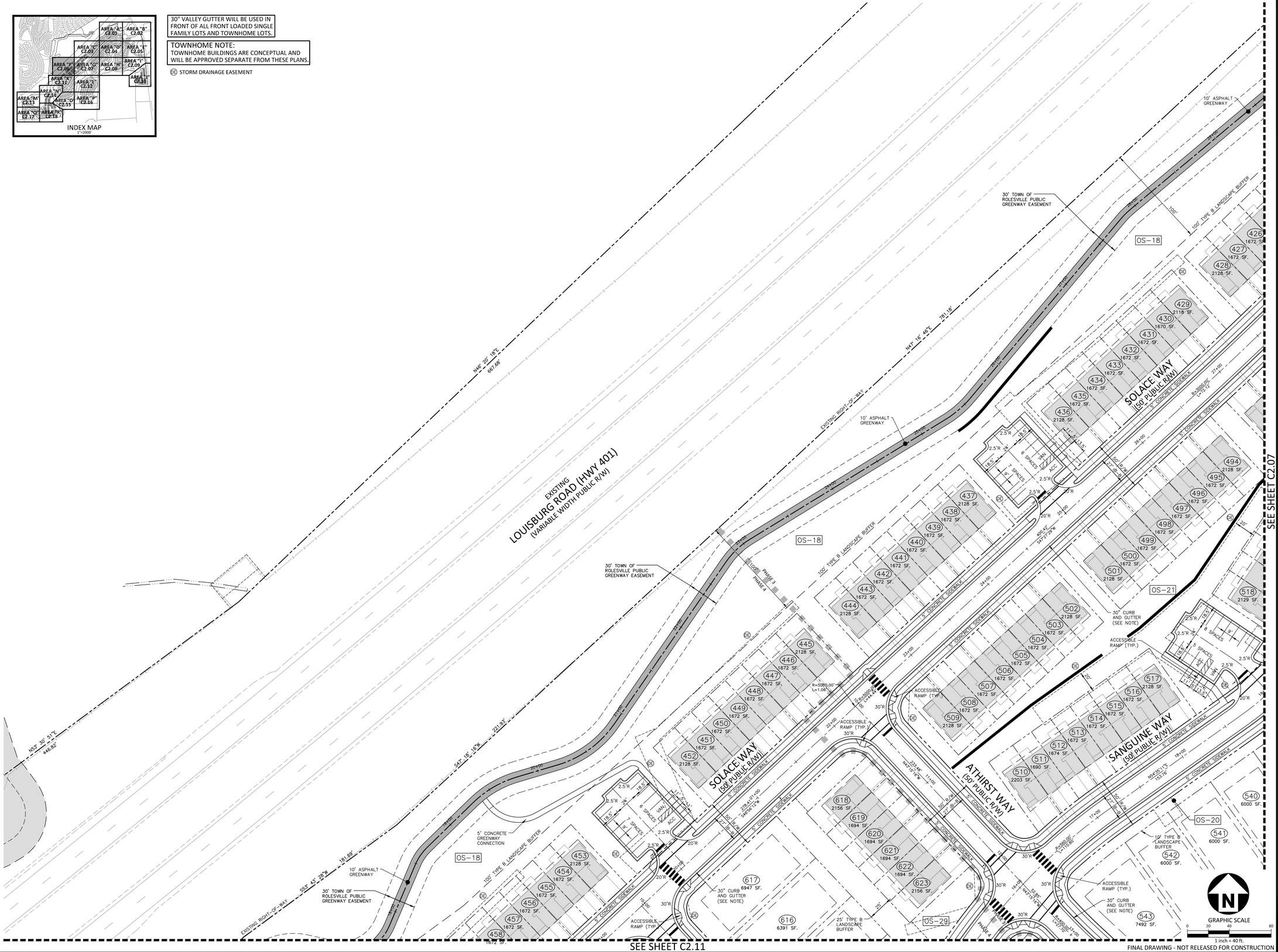
C2.03

INDEX MAP
1"=2000'

30" VALLEY GUTTER WILL BE USED IN FRONT OF ALL FRONT LOADED SINGLE FAMILY LOTS AND TOWNHOME LOTS.

TOWNHOME NOTE:
TOWNHOME BUILDINGS ARE CONCEPTUAL AND WILL BE APPROVED SEPARATE FROM THESE PLANS.

DE STORM DRAINAGE EASEMENT



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SHEET

SITE PLAN
AREA "F"
C2.06

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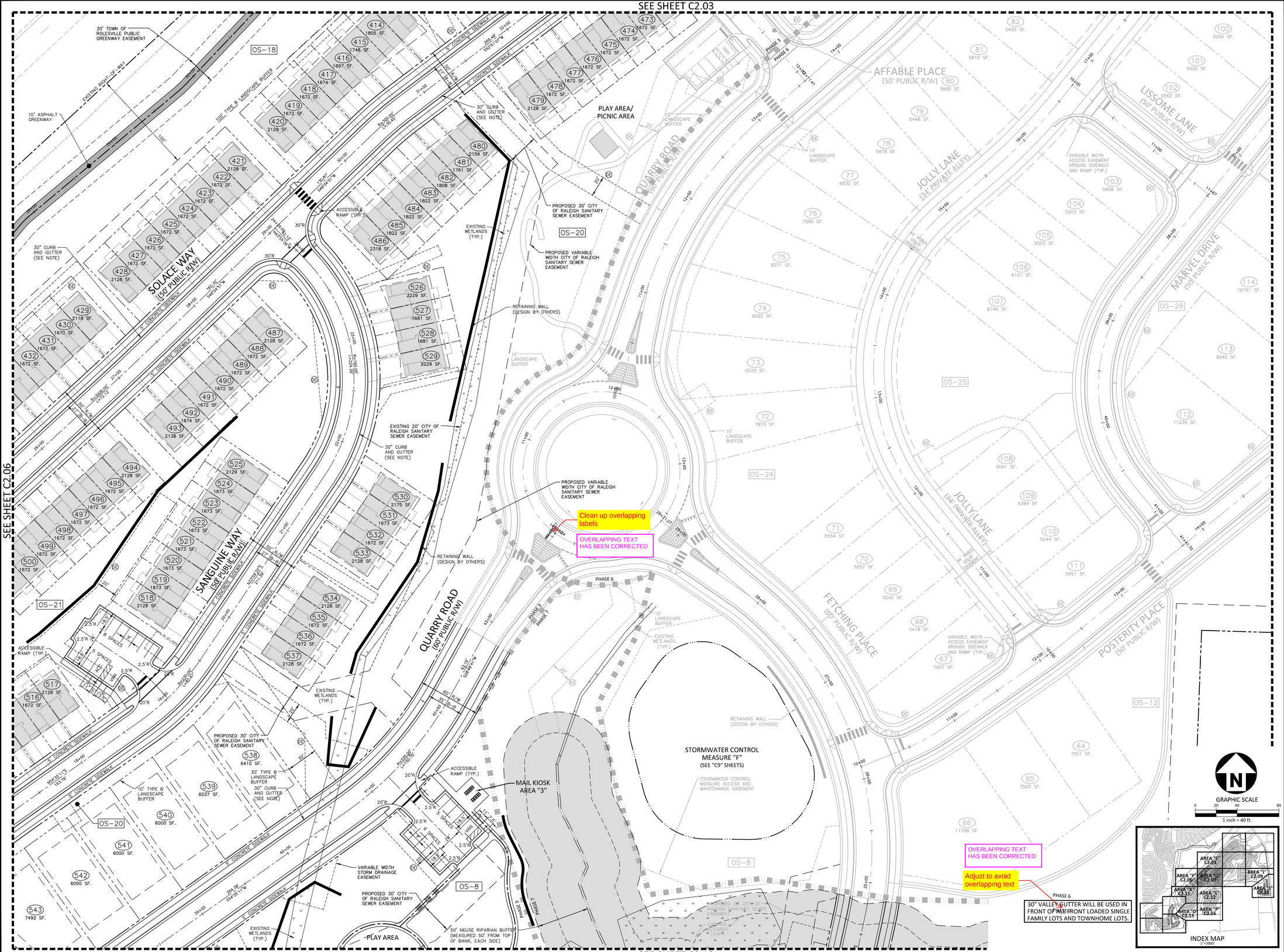
SEE SHEET C2.03



SEE SHEET C2.06

SEE SHEET C2.12

STORM DRAINAGE EASEMENT

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SHEET

SITE PLAN
AREA "G"

C2.07

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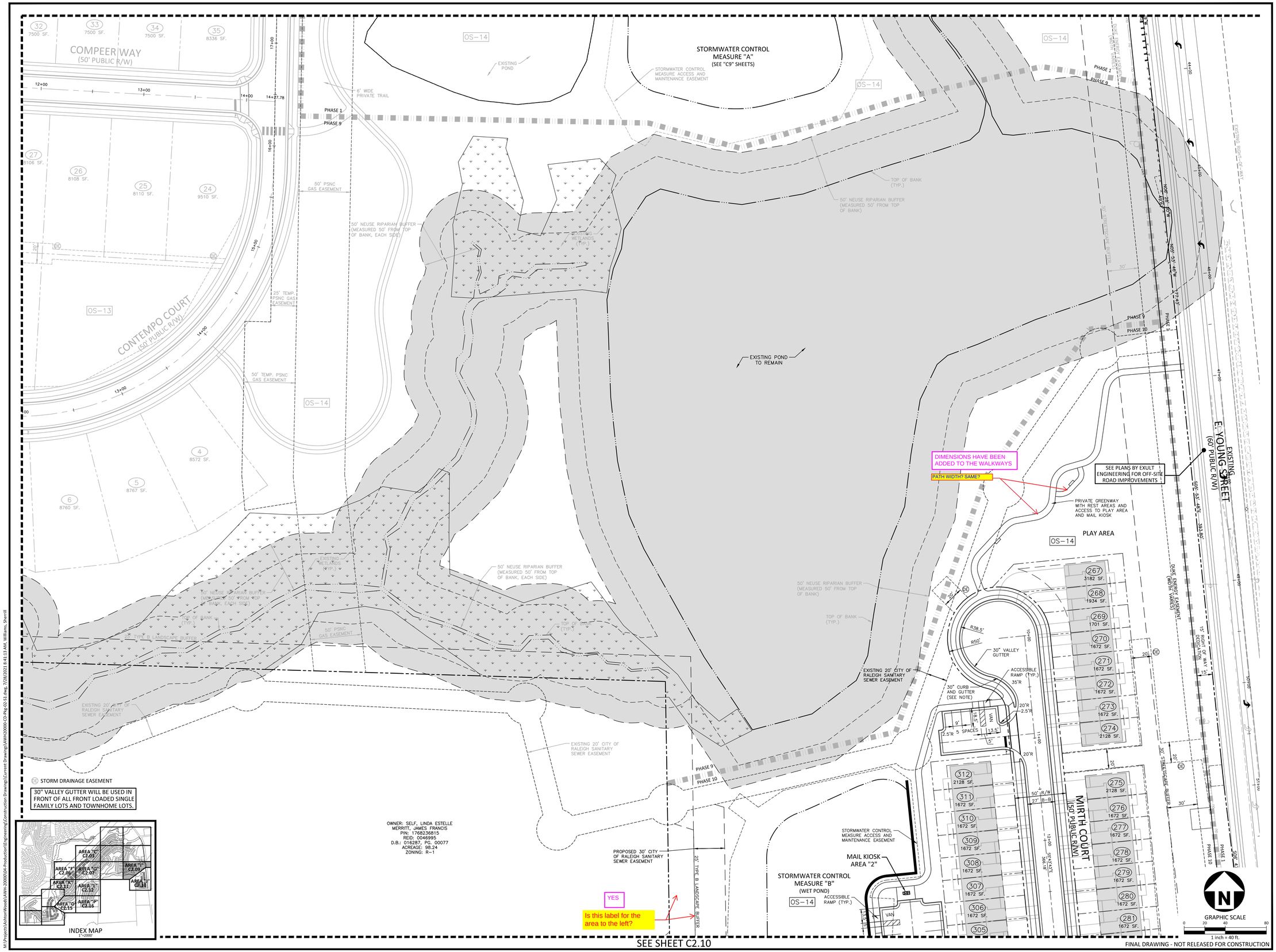

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SHEET

SITE PLAN
AREA "I"
C2.09

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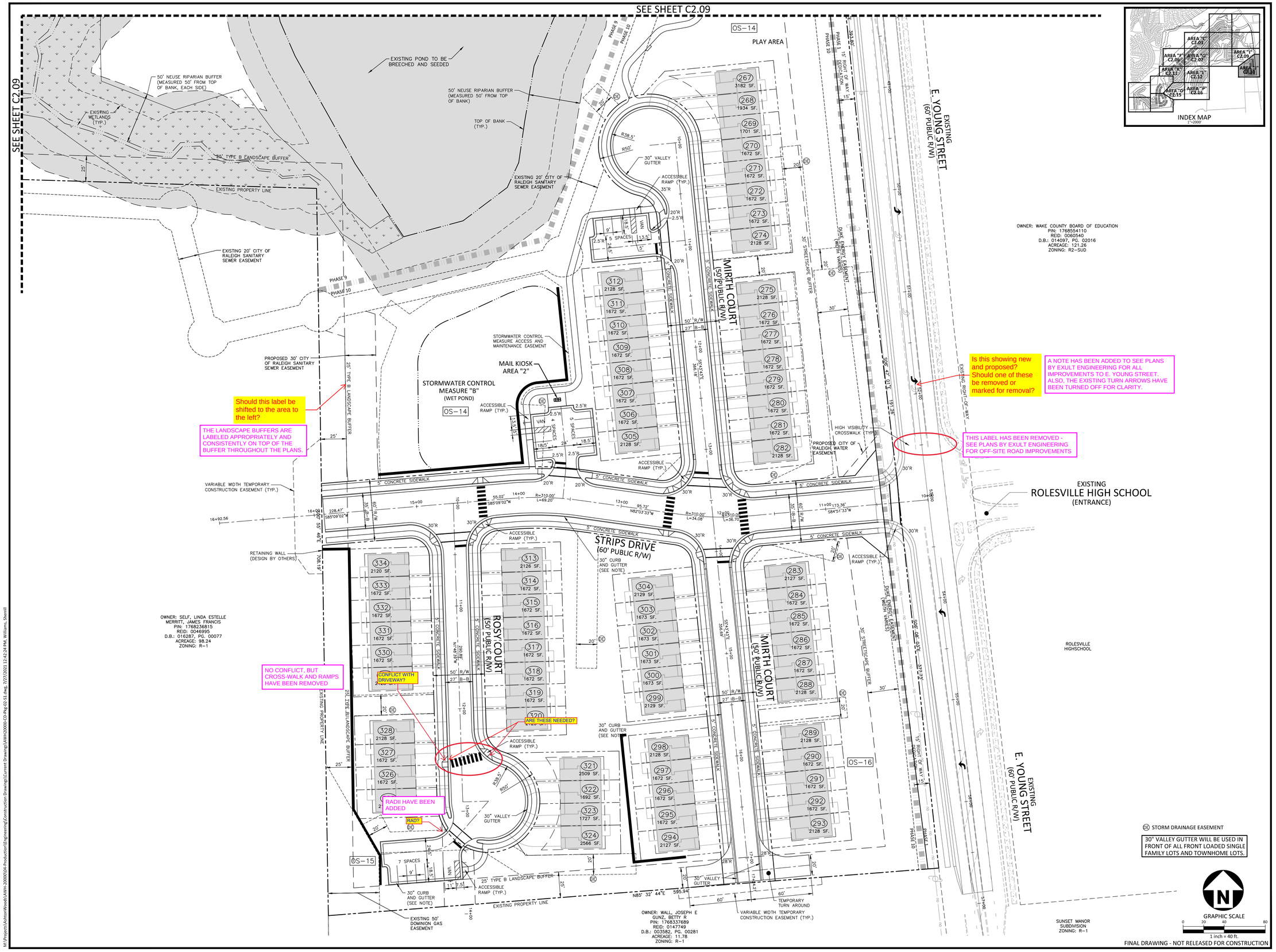

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SITE PLAN
AREA "J"
C2.10

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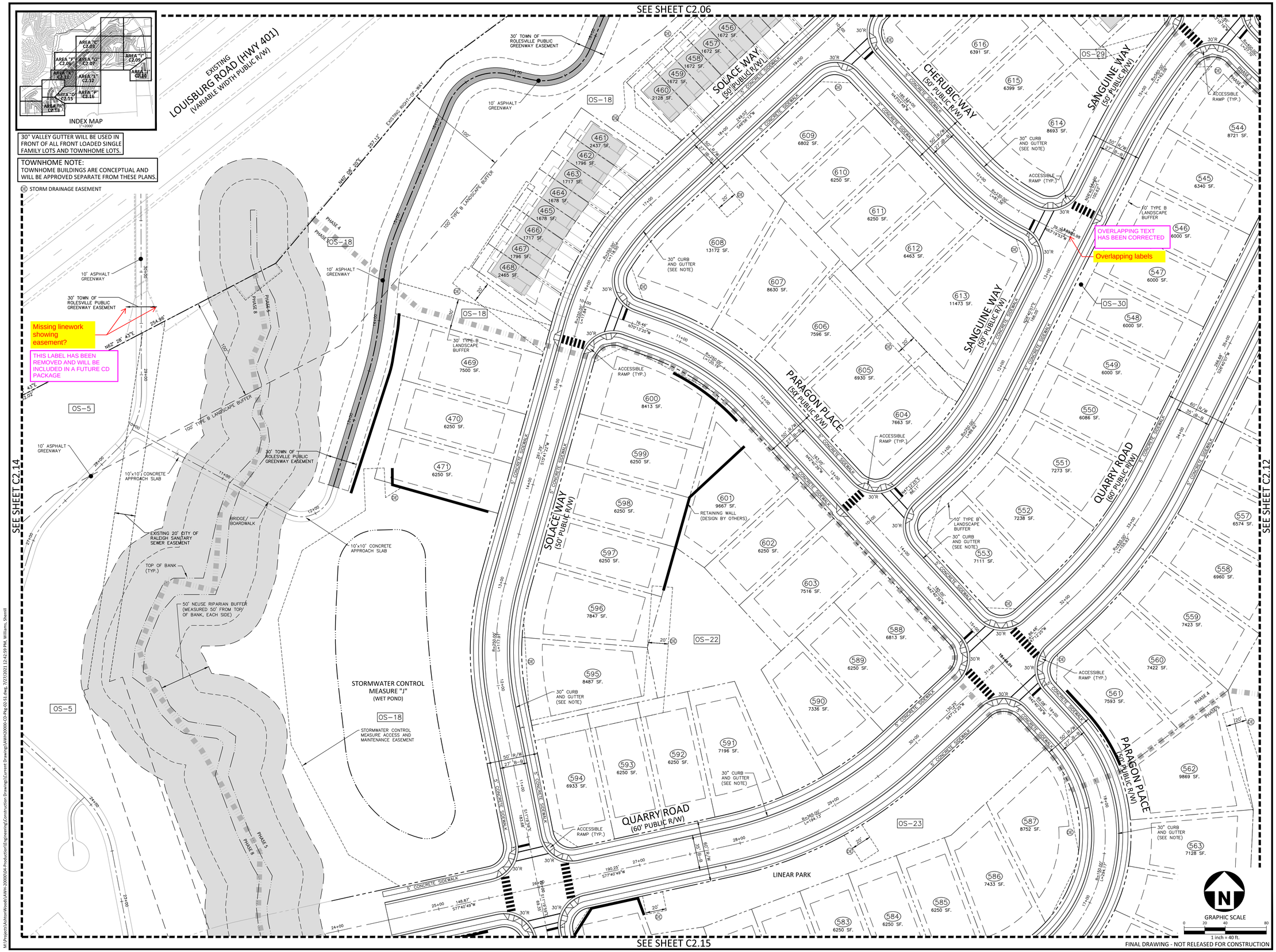

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SITE PLAN
AREA "K"

C2.11

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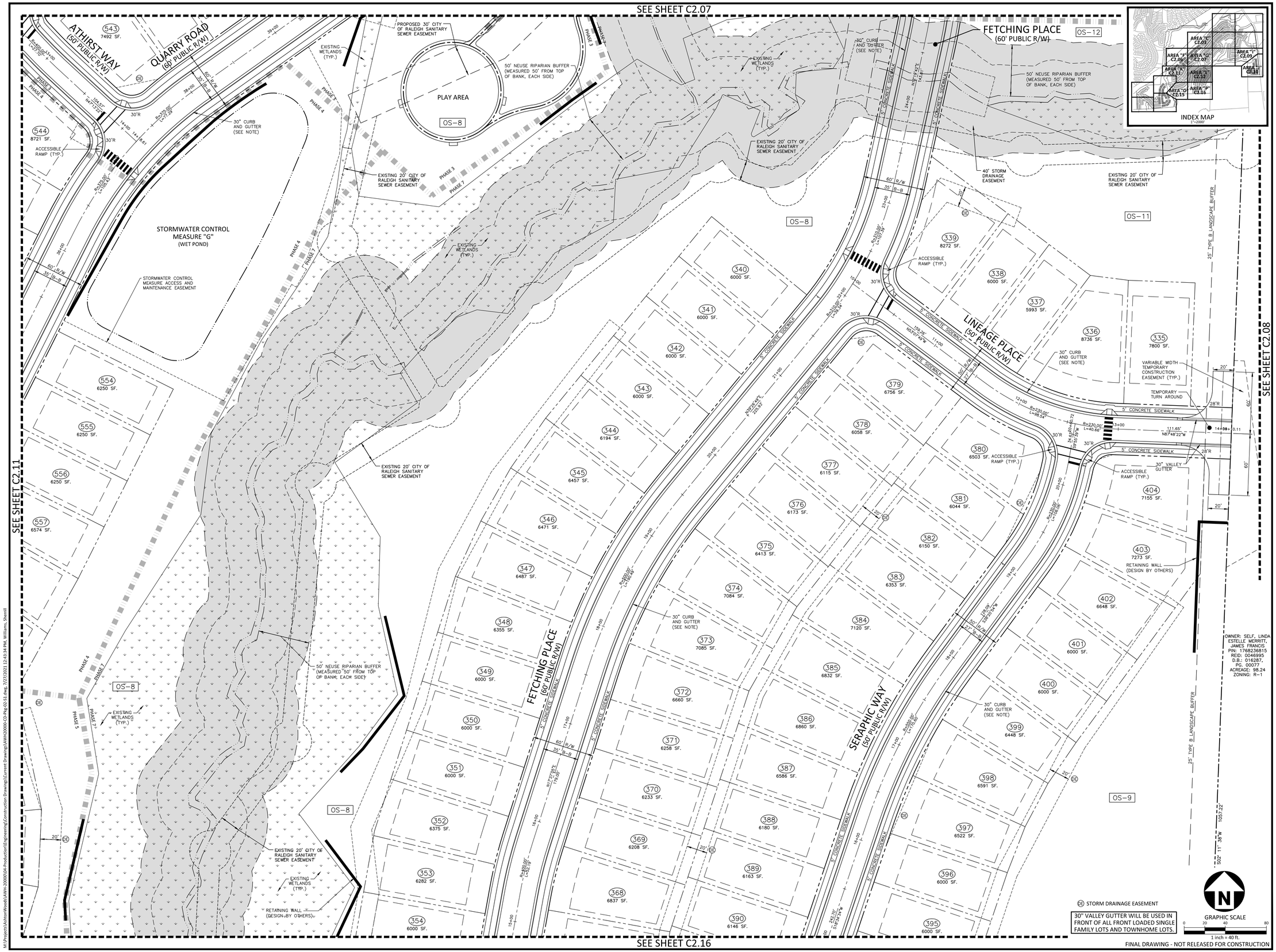

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SITE PLAN
AREA "L"

C2.12

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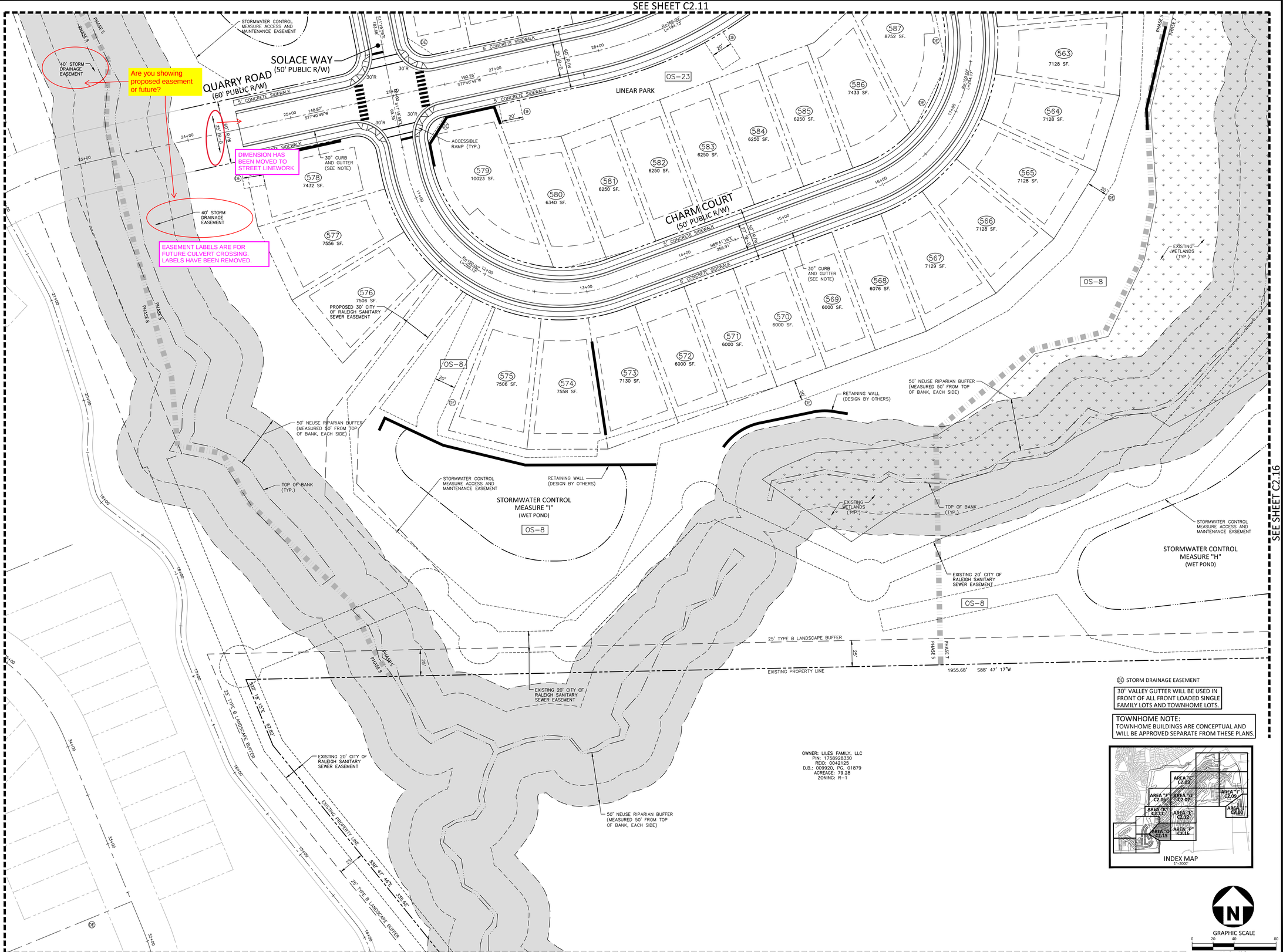
SEE SHEET C2.11



SEE SHEET C2.16

SEE SHEET C2.18

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SITE PLAN
AREA "O"
C2.15

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SEE SHEET C2.12

SEE SHEET C2.15

FETCHING PLACE (60' PUBLIC R/W)

SERAPHIC WAY (50' PUBLIC R/W)

352 6375 SF. | 353 6282 SF. | 354 6000 SF. | 355 6000 SF. | 356 6002 SF. | 357 6000 SF. | 358 6000 SF. | 359 6000 SF. | 360 6600 SF. | 361 6000 SF. | 362 6596 SF. | 363 7450 SF. | 364 6000 SF. | 365 6000 SF. | 366 6000 SF. | 367 6000 SF. | 368 6837 SF. | 369 6208 SF. | 388 6180 SF. | 389 6163 SF. | 390 6146 SF. | 391 6634 SF. | 392 13034 SF. | 393 11034 SF. | 394 6000 SF. | 395 6000 SF. | 396 6000 SF. | 397 6522 SF.

OS-8 | OS-9 | OS-10

EXISTING 20' CITY OF RALEIGH SANITARY SEWER EASEMENT

RETAINING WALL (DESIGN BY OTHERS)

EXISTING WETLANDS (TYP.)

TOP OF BANK (TYP.)

50' NEUSE RIPARIAN BUFFER (MEASURED 50' FROM TOP OF BANK, EACH SIDE)

PROPOSED 30" CITY OF RALEIGH SANITARY SEWER EASEMENT

STORMWATER CONTROL MEASURE ACCESS AND MAINTENANCE EASEMENT

STORMWATER CONTROL MEASURE "H" (WET POND)

30" CURB AND GUTTER (SEE NOTE)

ACCESSIBLE RAMP (TYP.)

30" VALLEY GUTTER

5' CONCRETE SIDEWALK

25' TYPE B LANDSCAPE BUFFER

EXISTING PROPERTY LINE

VARIABLE WIDTH TEMPORARY CONSTRUCTION EASEMENT (TYP.)

TEMPORARY TURN AROUND

OWNER: LILES FAMILY, LLC
PIN: 1758928330
REID: 0042125
D.B.: 009920, PG. 01879
ACREAGE: 79.28
ZONING: R-1

DE STORM DRAINAGE EASEMENT

30" VALLEY GUTTER WILL BE USED IN FRONT OF ALL FRONT LOADED SINGLE FAMILY LOTS AND TOWNHOME LOTS.

INDEX MAP
1"=2000'

GRAPHIC SCALE
0 20 40 80
1 inch = 40 ft.

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

M:\Projects\AshtonWoods\AWH-20000\04-Production\Engineering\Construction Drawings\Current Drawings\AWH20000-CD-Pkg-02-S1.dwg, 7/28/2021 8:42:12 AM, Williams, Sherrill

McADAMS
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CLIENT

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

ASHTON WOODS

THE POINT
PHASES 3, 4, 5, 7 AND 10
CONSTRUCTION DRAWINGS - PACKAGE 2
EAST YOUNG STREET
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP, WAKE COUNTY, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 22630 ENGINEER WILLIAM T. O'DANIEL
PRELIMINARY NOT FOR CONSTRUCTION

REVISIONS

NO. DATE

PLAN INFORMATION

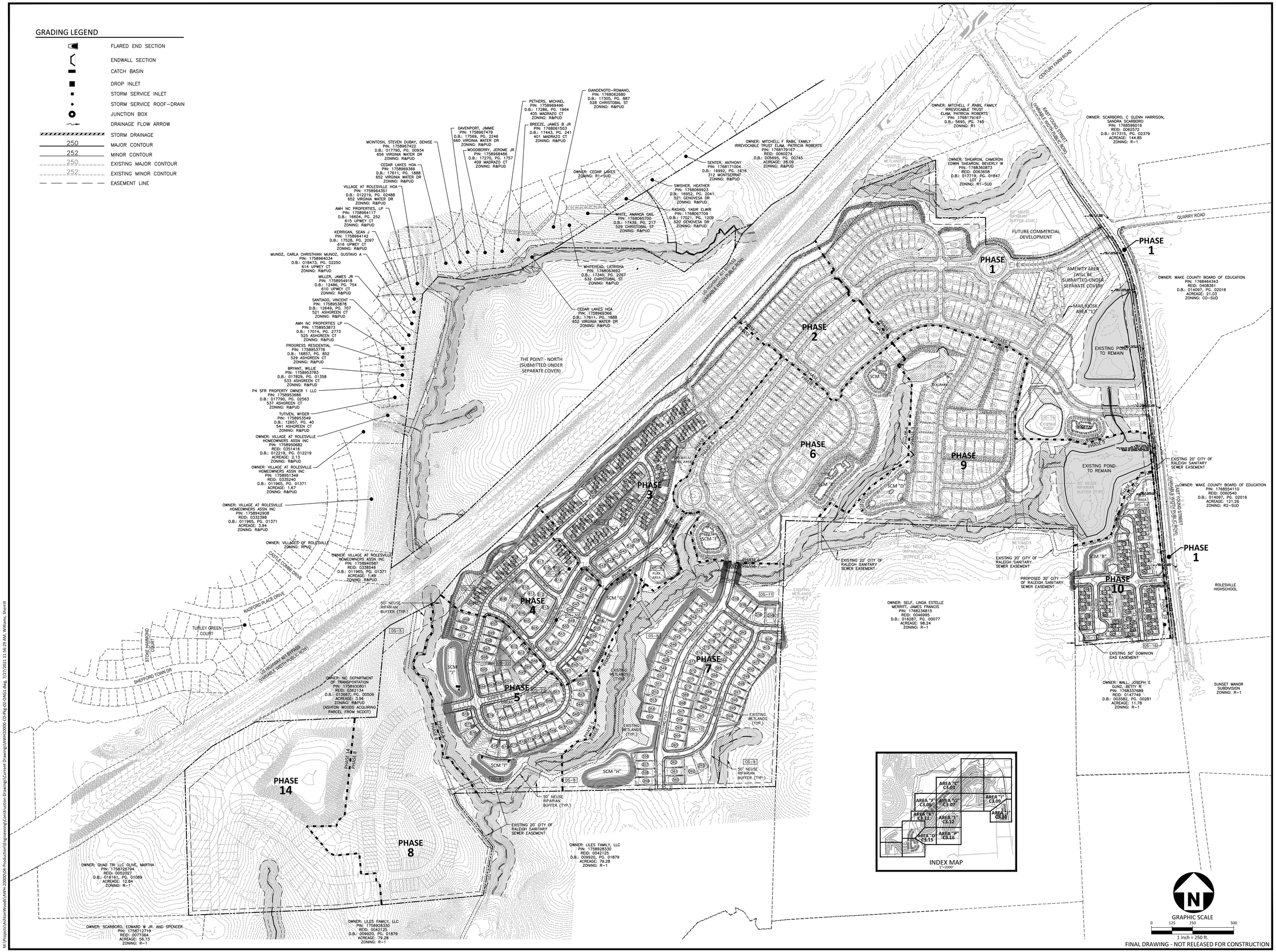
PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-02-S1
CHECKED BY	.
DRAWN BY	.
SCALE	1"=40'
DATE	07. 28. 2021

SHEET

SITE PLAN
AREA "P"
C2.16

GRADING LEGEND

- FLARED END SECTION
- ENDWALL SECTION
- CATCH BASIN
- DROP INLET
- STORM SERVICE INLET
- STORM SERVICE ROOF-DRAIN
- JUNCTION BOX
- DRAINAGE FLOW ARROW
- STORM DRAINAGE
- 250 MAJOR CONTOUR
- 252 MINOR CONTOUR
- 250 EXISTING MAJOR CONTOUR
- 252 EXISTING MINOR CONTOUR
- EASEMENT LINE



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M:\Projects\AshtonWoods\AWH-20000\04-Production\Engineering\Construction Drawings\Current Drawings\AWH20000-CD-PKG-02-OAG1.dwg, 7/27/2021 11:56:29 AM, Williams, Sherrill

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

NORTH CAROLINA PROFESSIONAL SEAL 22630 ENGINEER WILLIAM T. O'DANIEL
NOT FOR CONSTRUCTION

REVISIONS

NO. DATE

PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-02-OAG1
CHECKED BY	.
DRAWN BY	.
SCALE	1"=250'
DATE	07. 28. 2021

SHEET

OVERALL GRADING AND STORM DRAINAGE PLAN

C3.00

INDEX MAP
1"=2000'

CB-561
T/C=361.94
INV IN=355.60 (CB-566)
INV IN=357.10 (CB-564)
INV IN=357.00 (CB-562)
INV OUT=355.50

CB-562
T/C=361.13
INV IN=358.10 (CB-563)
INV OUT=358.00

CB-563
T/C=361.13
INV OUT=358.35

CB-566
T/C=361.94
INV IN=355.95 (DI-567)
INV OUT=355.85

DI-567
T/G=360.70
INV IN=358.40 (YI-570)
INV IN=356.60 (YI-568)
INV OUT=356.50

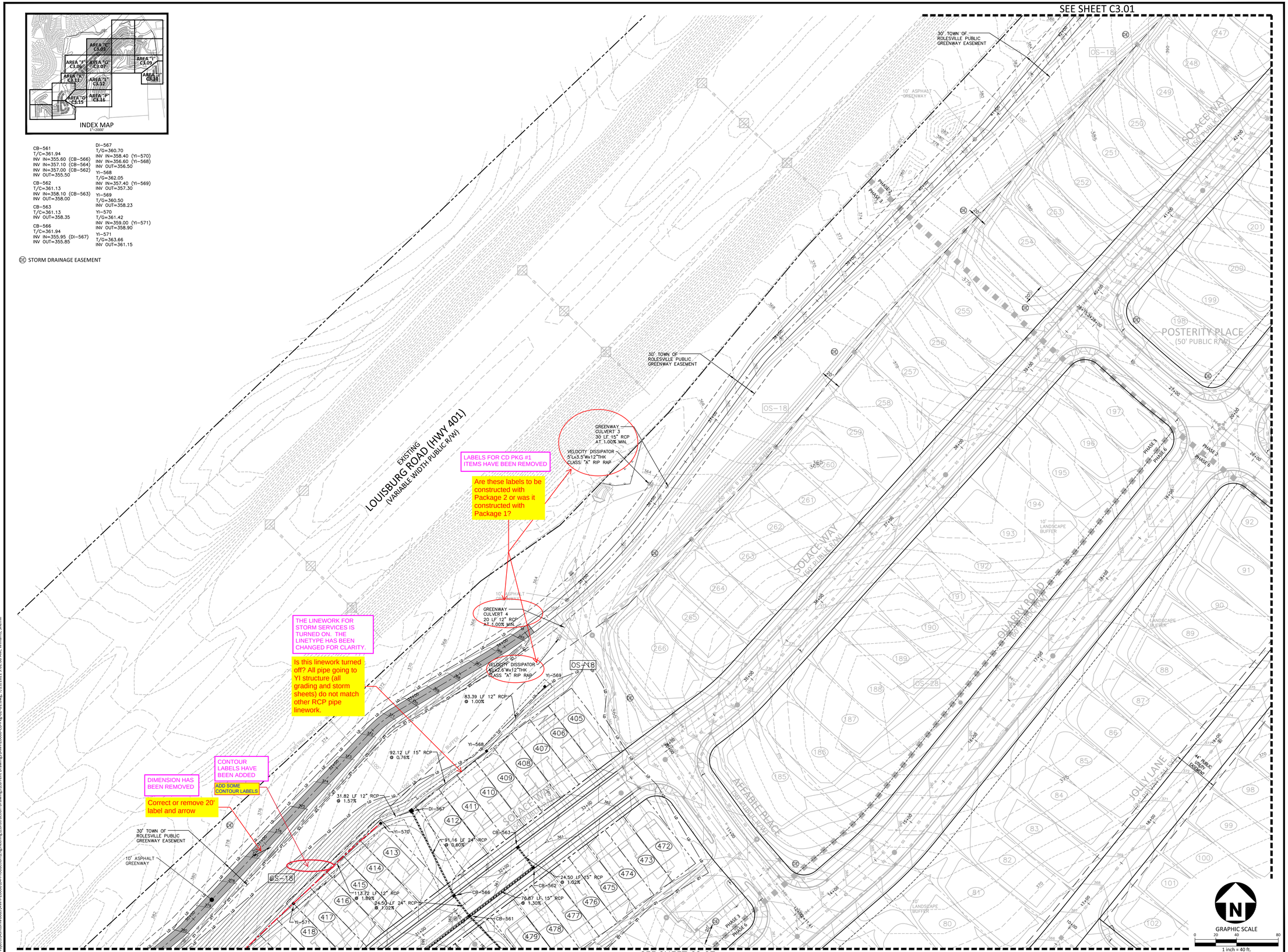
YI-568
T/G=362.05
INV IN=357.40 (YI-569)
INV OUT=357.30

YI-569
T/G=360.50
INV OUT=358.23

YI-570
T/G=361.42
INV IN=359.00 (YI-571)
INV OUT=358.90

YI-571
T/G=363.66
INV OUT=361.15

DE STORM DRAINAGE EASEMENT



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NORTH CAROLINA PROFESSIONAL SEAL 22630 ENGINEER WILLIAM T. O'DANIEL
NOT FOR CONSTRUCTION

REVISIONS

NO. DATE

PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-02-G1
CHECKED BY	.
DRAWN BY	.
SCALE	1"=40'
DATE	07. 28. 2021

SHEET

GRADING AND STORM DRAINAGE PLAN AREA "C"

C3.03

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(DE) STORM DRAINAGE EASEMENT

DI-708
T/C=342.02
INV IN=337.45 (DI-709)
INV OUT=337.35

DI-709
T/G=343.20
INV IN=337.95 (DI-710)
INV OUT=337.85

DI-710
T/G=346.80
INV IN=339.00 (DI-711)
INV OUT=338.75

DI-711
T/G=345.82
INV IN=339.85 (DI-712)
INV OUT=339.75

DI-712
T/G=343.63
INV IN=340.60 (DI-713)
INV OUT=340.50

DI-713
T/G=347.23
INV OUT=344.25

CB-714
T/C=344.39
INV IN=338.05 (CB-716)
INV IN=340.15 (CB-715)
INV OUT=337.95

CB-715
T/C=344.72
INV OUT=340.45

CB-716
T/C=346.13
INV IN=339.15 (CB-718)
INV IN=341.80 (CB-717)
INV OUT=339.05

CB-717
T/C=346.24
INV OUT=342.00

CB-718
T/C=347.95
INV IN=340.30 (CB-720)
INV IN=343.65 (CB-719)
INV OUT=340.20

CB-719
T/C=348.16
INV OUT=343.90

CB-720
T/C=349.71
INV IN=341.40 (CB-722)
INV IN=345.25 (CB-721)
INV OUT=341.30

CB-721
T/C=349.71
INV OUT=345.45

CB-722
T/C=351.12
INV IN=342.30 (CB-723)
INV OUT=342.20

CB-723
T/C=350.90
INV IN=342.85 (CB-726)
INV IN=345.96 (CB-724)
INV OUT=342.60

CB-724
T/C=350.73
INV IN=346.33 (CB-725)
INV OUT=346.23

CB-725
T/C=350.73
INV OUT=346.48

CB-726
T/C=351.93
INV IN=347.49 (CB-727)
INV IN=343.35 (JB-728)
INV OUT=343.25

CB-727
T/C=351.93
INV OUT=347.68

JB-728
RIM=351.24
INV IN=343.95 (DI-729)
INV OUT=343.85

DI-729
T/G=347.62
INV OUT=344.35

DI-737
T/G=341.00
INV IN=337.70 (DI-738)
INV OUT=337.25

DI-738
T/G=343.08
INV IN=339.80 (DI-739)
INV OUT=339.70

DI-739
T/G=344.00
INV IN=341.00 (DI-740)
INV OUT=340.75

DI-740
T/C=345.47
INV IN=342.40 (DI-741)
INV OUT=342.30

DI-741
T/G=348.25
INV OUT=345.30

DI-747
T/G=342.17
INV IN=338.90 (DI-748)
INV OUT=338.60

DI-748
T/G=345.87
INV IN=342.60 (DI-749)
INV OUT=342.50

DI-749
T/G=348.66
INV OUT=345.40

CB-750
T/C=344.23
INV IN=339.80 (CB-751)
INV OUT=339.55

CB-751
T/C=344.30
INV IN=340.05 (CB-752)
INV OUT=339.95

CB-752
T/C=347.78
INV IN=343.50 (CB-754)
INV IN=343.50 (CB-753)
INV OUT=343.40

CB-753
T/C=347.93
INV OUT=343.65

CB-754
T/C=350.94
INV IN=346.45 (CB-755)
INV OUT=346.35

CB-755
T/C=350.94
INV IN=346.70 (CB-756)
INV OUT=346.60

CB-756
T/C=353.14
INV IN=348.90 (CB-757)
INV OUT=348.80

CB-757
T/C=355.05
INV IN=350.70 (CB-758)
INV OUT=350.60

CB-758
T/C=355.12
INV OUT=350.85

EW-800
INV=340.00

CB-801
T/C=350.83
INV IN=340.40 (CB-806)
INV IN=346.00 (CB-802)
INV OUT=340.30

CB-802
T/C=351.26
INV IN=347.01 (CB-804)
INV IN=346.82 (CB-803)
INV OUT=346.57

CB-803
T/C=351.26
INV OUT=347.01

CB-804
T/C=353.08
INV IN=348.64 (CB-805)
INV OUT=347.80

CB-805
T/C=353.08
INV OUT=348.83

CB-806
T/C=350.83
INV IN=340.70 (CB-831)
INV IN=344.06 (CB-807)
INV OUT=340.60

CB-807
T/C=351.32
INV IN=344.53 (CB-808)
INV OUT=344.43

CB-808
T/C=351.32
INV IN=344.77 (CB-810)
INV IN=346.60 (DI-809)
INV OUT=344.67

DI-809
T/G=350.95
INV OUT=346.70

CB-810
T/C=353.94
INV IN=348.44 (CB-812)
INV IN=347.55 (DI-811)
INV OUT=345.31

CB-831
T/C=351.34
INV IN=341.70 (CB-833)
INV IN=347.90 (CB-832)
INV OUT=341.35

CB-832
T/C=351.34
INV OUT=348.10

DI-1207
T/G=338.30
INV IN=334.90 (DI-1208)
INV OUT=334.80

DI-1208
T/G=339.96
INV IN=336.70 (DI-1209)
INV OUT=336.60

CB-810
T/C=353.94
INV IN=348.44 (CB-812)
INV IN=347.55 (DI-811)
INV OUT=345.31

CB-812
T/C=355.94
INV IN=349.23 (CB-813)
INV OUT=348.74

CB-813
T/C=355.73
INV IN=349.90 (CB-815)
INV IN=352.10 (YI-814)
INV OUT=349.40

YI-814
T/G=356.00
INV OUT=353.05

CB-815
T/C=355.39
INV IN=350.25 (CB-816)
INV OUT=350.16

CB-816
T/C=355.51
INV IN=350.50 (CB-817)
INV OUT=350.40

CB-817
T/C=360.34
INV IN=355.35 (CB-818)
INV OUT=355.25

CB-818
T/C=361.82
INV IN=356.25 (CB-820)
INV IN=357.40 (CB-819)
INV OUT=356.15

CB-819
T/C=361.82
INV OUT=357.55

CB-820
T/C=363.30
INV IN=357.15 (CB-822)
INV IN=358.90 (CB-821)
INV OUT=357.05

CB-821
T/C=363.30
INV OUT=359.05

CB-822
T/C=364.69
INV IN=360.45 (CB-823)
INV IN=358.10 (CB-825)
INV OUT=357.90

CB-823
T/C=366.33
INV IN=361.95 (CB-824)
INV OUT=361.85

CB-824
T/C=366.42
INV OUT=362.15

CB-825
T/C=364.75
INV IN=358.35 (CB-826)
INV OUT=358.25

CB-826
T/C=364.99
INV IN=358.60 (DI-828)
INV IN=360.20 (CB-827)
INV OUT=358.50

CB-827
T/C=364.82
INV OUT=360.55

DI-828
T/G=361.92
INV IN=359.15 (YI-829)
INV OUT=359.05

YI-829
T/G=364.15
INV IN=361.40 (YI-830)
INV OUT=361.30

YI-830
T/G=366.15
INV OUT=363.30

CB-856
T/C=352.36
INV IN=348.05 (CB-857)
INV IN=346.60 (DI-858)
INV OUT=346.50

CB-857
T/C=352.54
INV OUT=348.25

DI-858
T/G=350.00
INV OUT=346.75

CB-859
T/C=350.76
INV IN=345.15 (CB-860)
INV OUT=345.05

CB-860
T/C=350.00
INV IN=345.45 (DI-861)
INV OUT=345.35

DI-861
T/G=349.99
INV IN=346.75 (DI-862)
INV IN=346.00 (DI-863)
INV OUT=345.90

DI-862
T/G=351.84
INV OUT=348.55

DI-863
T/G=349.80
INV IN=346.50 (DI-864)
INV OUT=346.40

YI-940
T/G=357.10
INV OUT=354.40

CB-942
T/C=357.12
INV OUT=352.85

CB-944
T/C=358.19
INV IN=350.30 (CB-945)
INV OUT=350.05

CB-945
T/C=358.49
INV IN=350.65 (CB-946)
INV OUT=350.55

CB-946
T/C=358.75
INV IN=351.10 (CB-947)
INV OUT=351.00

CB-947
T/C=358.68
INV IN=351.55 (DI-948)
INV OUT=351.45

DI-948
T/G=356.38
INV IN=352.10 (YI-949)
INV OUT=352.00

YI-949
T/G=360.08
INV OUT=355.80

Please confirm all structures on this sheet are listed; it appears that the bottom right 1/4 of the sheet is missing.

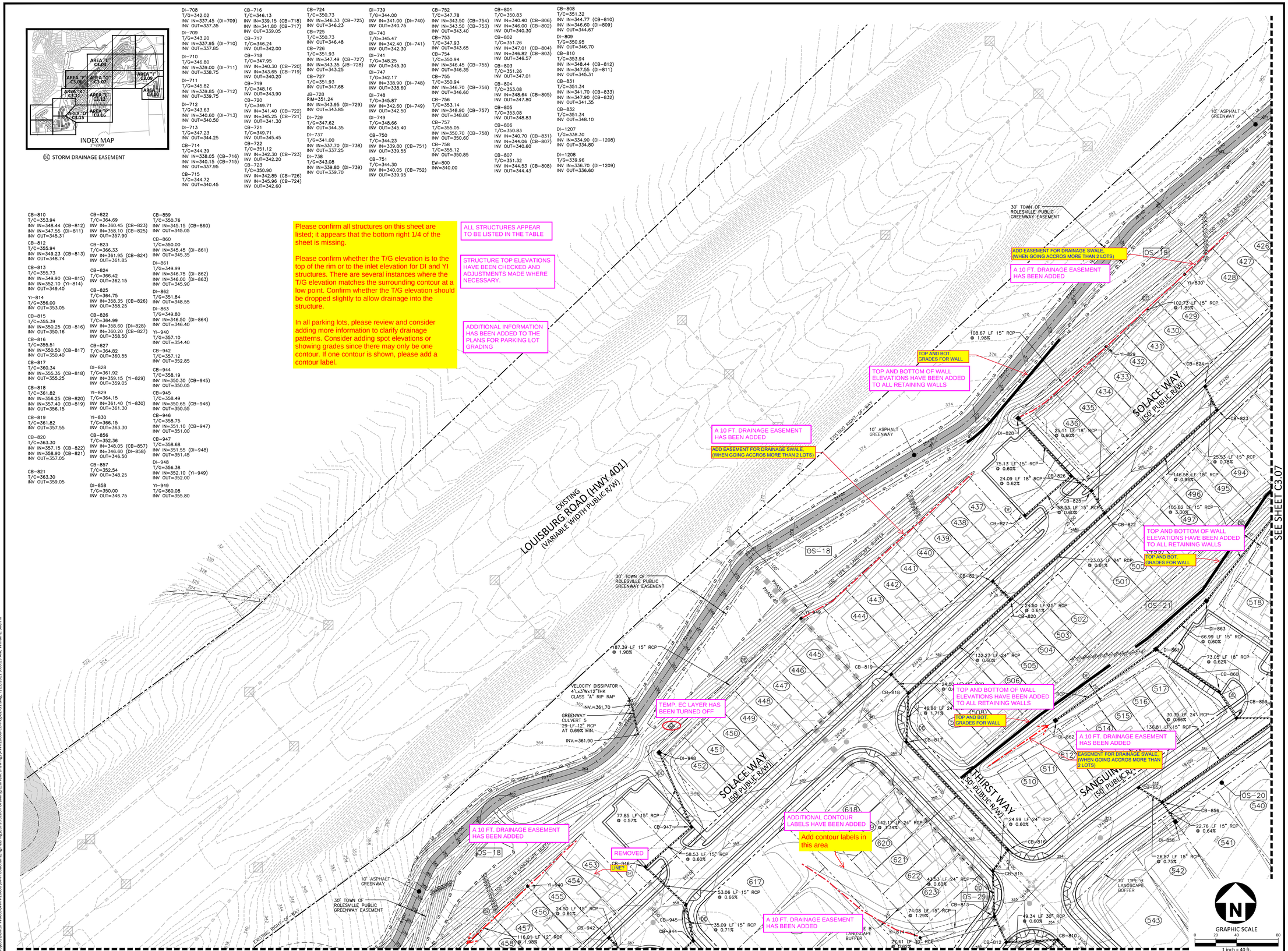
Please confirm whether the T/G elevation is to the top of the rim or to the inlet elevation for DI and YI structures. There are several instances where the T/G elevation matches the surrounding contour at a low point. Confirm whether the T/G elevation should be dropped slightly to allow drainage into the structure.

In all parking lots, please review and consider adding more information to clarify drainage patterns. Consider adding spot elevations or showing grades since there may only be one contour. If one contour is shown, please add a contour label.

ALL STRUCTURES APPEAR TO BE LISTED IN THE TABLE

STRUCTURE TOP ELEVATIONS HAVE BEEN CHECKED AND ADJUSTMENTS MADE WHERE NECESSARY.

ADDITIONAL INFORMATION HAS BEEN ADDED TO THE PLANS FOR PARKING LOT GRADING



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NORTH CAROLINA PROFESSIONAL SEAL 22630 ENGINEER WILLIAM T. O'DANIEL
NOT FOR CONSTRUCTION

REVISIONS

NO. DATE

PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-02-G1
CHECKED BY	.
DRAWN BY	.
SCALE	1"=40'
DATE	07. 28. 2021

SHEET

GRADING AND STORM DRAINAGE PLAN AREA "F"

C3.06

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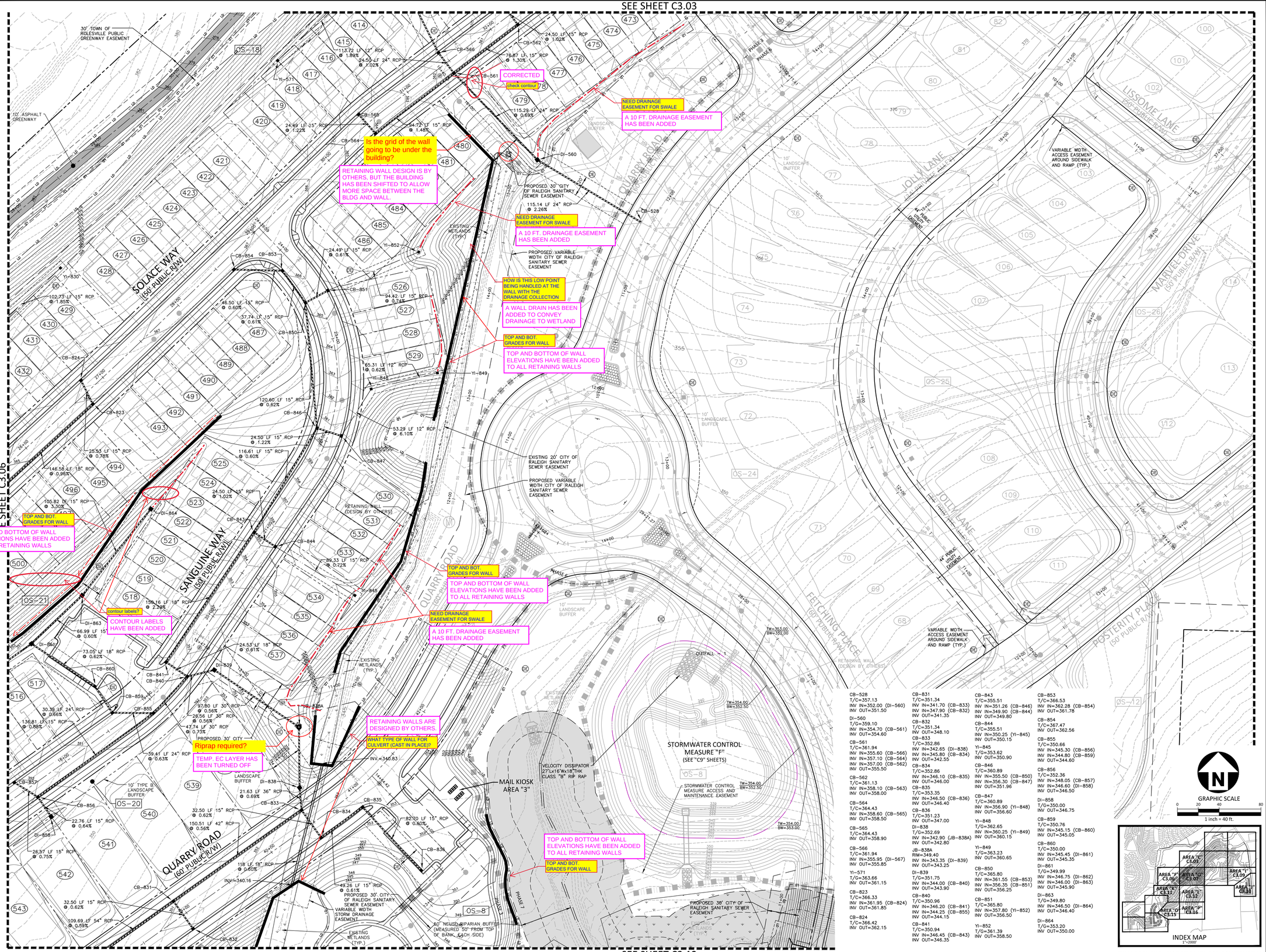
SEE SHEET C3.03



CB-528 T/C=357.13 INV IN=352.00 (DI-560) INV OUT=351.50 DI-560 T/G=359.10 INV IN=354.70 (CB-561) INV OUT=354.60 CB-561 T/C=361.94 INV IN=355.60 (CB-566) INV IN=357.10 (CB-564) INV IN=357.00 (CB-562) INV OUT=355.50 CB-562 T/C=361.13 INV IN=358.10 (CB-563) INV OUT=358.00 CB-564 T/C=364.43 INV IN=358.60 (CB-565) INV OUT=358.50 CB-565 T/C=364.43 INV OUT=358.90 CB-566 T/C=361.94 INV IN=355.95 (DI-567) INV OUT=355.85 YI-571 T/G=363.66 INV OUT=361.15 CB-823 T/C=366.33 INV IN=361.95 (CB-824) INV OUT=361.85 CB-824 T/C=366.42 INV OUT=362.15	CB-831 T/C=351.34 INV IN=241.70 (CB-833) INV IN=347.90 (CB-832) INV OUT=341.35 CB-832 T/C=351.34 INV OUT=348.10 CB-833 T/C=352.86 INV IN=342.65 (DI-838) INV IN=345.80 (CB-834) INV OUT=342.55 CB-834 T/C=352.86 INV IN=346.10 (CB-835) INV OUT=346.00 CB-835 T/C=353.35 INV IN=346.50 (CB-836) INV OUT=346.40 CB-836 T/C=351.23 INV OUT=347.00 DI-838 T/G=352.69 INV IN=342.90 (JB-838A) INV OUT=342.80 JB-838A RIM=349.40 INV IN=343.35 (DI-839) INV OUT=343.25 DI-839 T/G=351.75 INV IN=344.00 (CB-840) INV OUT=343.90 CB-840 T/C=350.96 INV IN=346.20 (CB-841) INV IN=344.25 (CB-855) INV OUT=344.15 CB-841 T/C=350.94 INV IN=346.45 (CB-843) INV OUT=346.35	CB-843 T/C=355.51 INV IN=351.26 (CB-846) INV IN=349.90 (CB-844) INV OUT=349.80 CB-844 T/C=355.51 INV IN=350.25 (YI-845) INV OUT=350.15 YI-845 T/G=353.62 INV OUT=350.90 CB-846 T/C=360.89 INV IN=355.50 (CB-850) INV IN=356.30 (CB-847) INV OUT=351.96 CB-847 T/C=360.89 INV IN=356.90 (YI-848) INV OUT=356.60 YI-848 T/G=362.65 INV IN=360.25 (YI-849) INV OUT=360.15 YI-849 T/G=363.23 INV OUT=360.65 CB-850 T/C=365.80 INV IN=361.55 (CB-853) INV IN=356.35 (CB-851) INV OUT=356.25 CB-851 T/C=365.80 INV IN=357.80 (YI-852) INV OUT=356.50 YI-852 T/G=361.39 INV OUT=358.50	CB-853 T/C=366.53 INV IN=362.28 (CB-854) INV OUT=361.78 CB-854 T/C=367.47 INV OUT=362.56 CB-855 T/C=350.66 INV IN=345.30 (CB-856) INV IN=344.80 (CB-859) INV OUT=344.60 CB-856 T/C=352.36 INV IN=348.05 (CB-857) INV IN=346.60 (DI-858) INV OUT=346.50 DI-858 T/G=350.00 INV OUT=346.75 CB-859 T/C=350.76 INV IN=345.15 (CB-860) INV OUT=345.05 CB-860 T/C=350.00 INV IN=345.45 (DI-861) INV OUT=345.35 DI-861 T/G=349.99 INV IN=346.75 (DI-862) INV IN=346.00 (DI-863) INV OUT=345.90 DI-863 T/G=349.80 INV IN=346.50 (DI-864) INV OUT=346.40 DI-864 T/G=353.20 INV OUT=350.00

SEE SHEET C3.12

SEE SHEET C3.06

M:\Projects\AshtonWoods\AWH-20000\04-Production\Engineering\Construction Drawings\Current Drawings\AWH20000-CD-Pkg-02-G1.dwg, 7/29/2021 9:01:14 AM, Williams, Sherrill

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ASHTON WOODS

THE POINT
PHASES 3, 4, 5, 7 AND 10
CONSTRUCTION DRAWINGS - PACKAGE 2
EAST YOUNG STREET
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,
WAKE COUNTY, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 22630 ENGINEER WILLIAM T. O'DANIEL
NOT FOR CONSTRUCTION

REVISIONS

NO. DATE

GRAPHIC SCALE
0 20 40 80
1 inch = 40 ft.

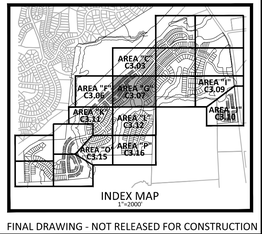
PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-02-G1
CHECKED BY	.
DRAWN BY	.
SCALE	1"=40'
DATE	07. 28. 2021

SHEET

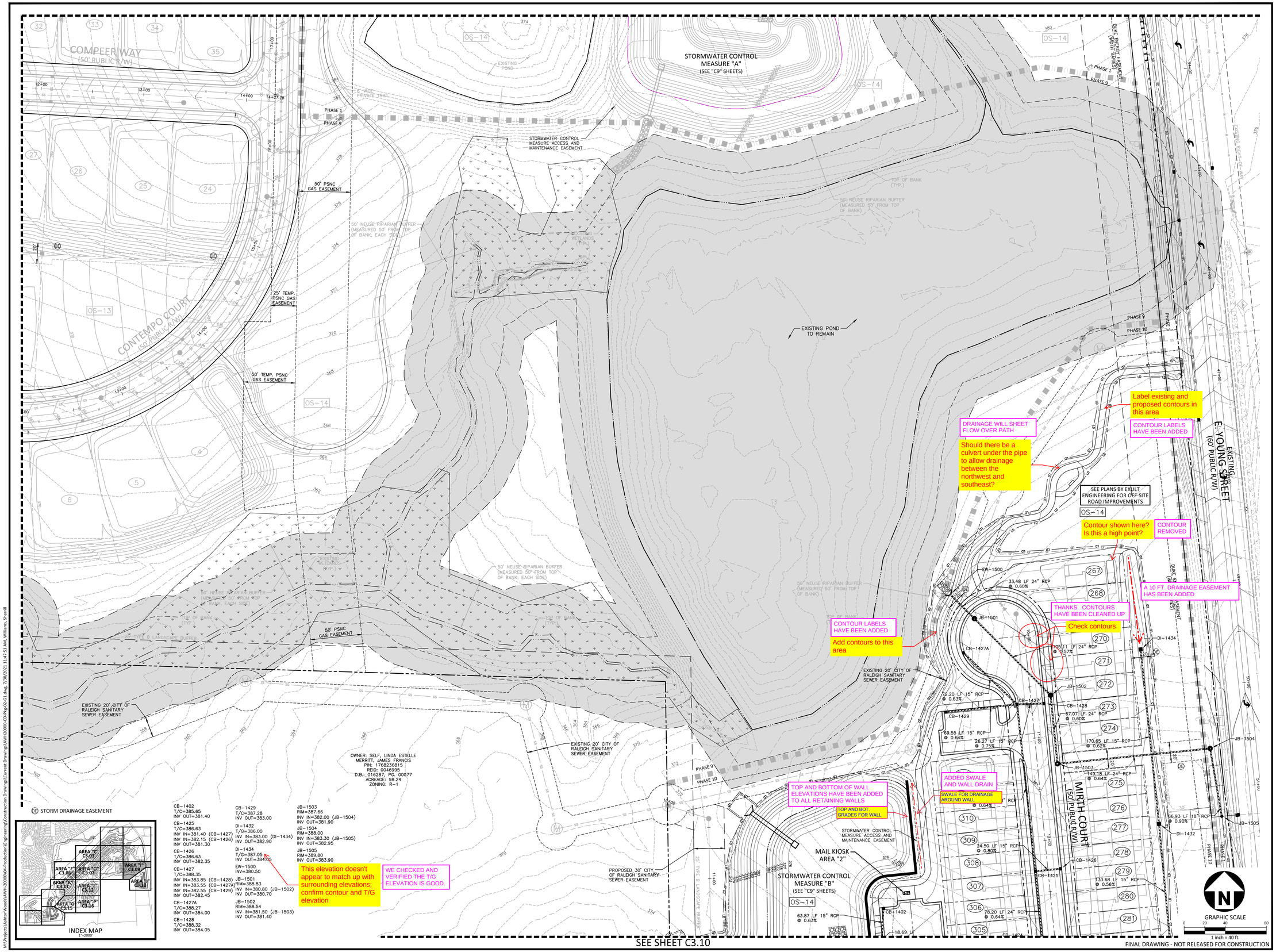
GRADING AND STORM DRAINAGE PLAN AREA "G"

C3.07



INDEX MAP
1"=2000'

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION



SEE SHEET C3.10

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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PHASES 3, 4, 5, 7 AND 10
CONSTRUCTION DRAWINGS - PACKAGE 2
EAST YOUNG STREET
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,
WAKE COUNTY, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 22630 ENGINEER WILLIAM T. O'DANIEL
NOT FOR CONSTRUCTION

REVISIONS

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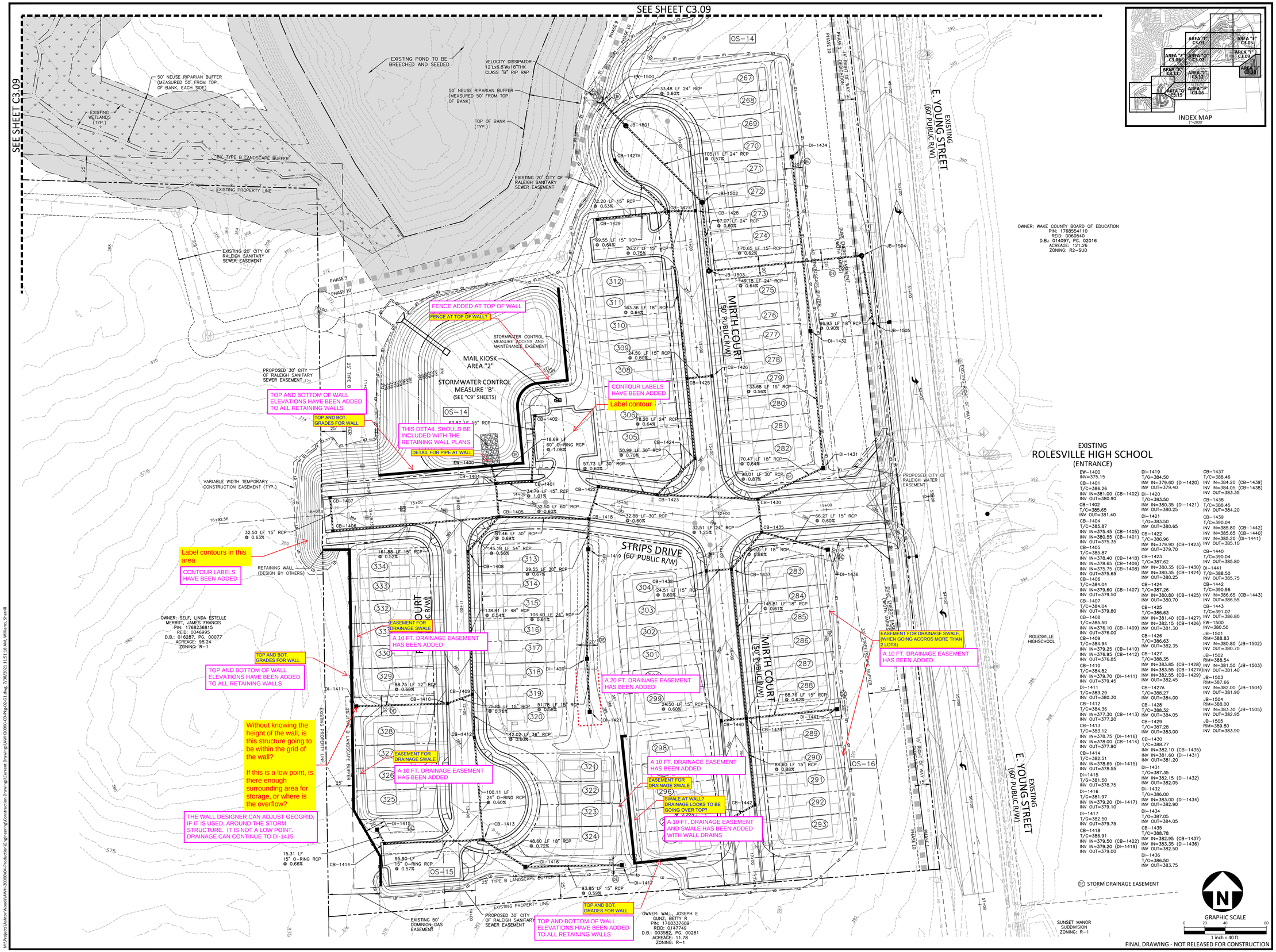
PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-02-G1
CHECKED BY	.
DRAWN BY	.
SCALE	1"=40'
DATE	07. 28. 2021

SHEET

GRADING AND STORM DRAINAGE PLAN AREA "I"

C3.09



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CONSTRUCTION DRAWINGS - PACKAGE 2
EAST YOUNG STREET
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP, WAKE COUNTY, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 22630 ENGINEER WILLIAM T. O'DANIEL
NOT FOR CONSTRUCTION

REVISIONS

NO. DATE

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DRAWN BY	.
SCALE	1"=40'
DATE	07. 28. 2021

SHEET

GRADING AND STORM DRAINAGE PLAN AREA "J"

C3.10

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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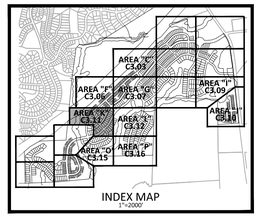
SEE SHEET C3.06



Confirm T/G elevation

YI-814 T/G HAS BEEN LOWERED TO 855.00

CB-805 T/C=353.08 INV OUT=348.83
CB-810 T/C=353.94 INV IN=348.44 (CB-812) INV IN=347.55 (DI-811) INV OUT=345.31
DI-811 T/G=351.00 INV OUT=347.75
CB-812 T/C=355.94 INV IN=349.23 (CB-813) INV OUT=348.74
CB-813 T/C=355.73 INV IN=349.90 (CB-815) INV IN=352.10 (YI-814) INV OUT=349.40
YI-814 T/G=356.00 INV OUT=353.05
EW-900 INV=310.00
CB-901 T/C=327.18 INV IN=319.80 (CB-902) INV OUT=315.50
CB-902 T/C=327.18 INV IN=321.00 (CB-915) INV IN=321.15 (CB-903) INV OUT=320.00
CB-903 T/C=327.35 INV IN=321.80 (CB-904) INV OUT=321.50
CB-904 T/C=330.10 INV IN=322.30 (CB-905) INV OUT=322.20
CB-905 T/C=330.02 INV IN=325.00 (CB-908) INV IN=323.35 (CB-906) INV OUT=322.60
CB-906 T/C=328.34 INV IN=323.95 (CB-907) INV OUT=323.65
CB-908 T/C=333.06 INV IN=328.55 (CB-910) INV IN=328.80 (DI-909) INV OUT=328.00
DI-909 T/G=334.49 INV OUT=331.20
CB-910 T/C=336.65 INV IN=331.90 (CB-911) INV OUT=331.70
CB-911 T/C=336.65 INV IN=332.25 (CB-912) INV OUT=332.15
CB-912 T/C=342.43 INV IN=333.95 (CB-913) INV OUT=333.60
CB-913 T/C=342.43 INV IN=334.45 (DI-914) INV OUT=334.25
DI-914 T/G=338.00 INV OUT=334.85
CB-915 T/C=327.52 INV IN=322.00 (CB-920) INV IN=322.65 (DI-916) INV OUT=321.40
DI-916 T/G=329.30 INV IN=323.10 (JB-917) INV OUT=323.00
JB-917 RIM=332.00 INV IN=324.20 (DI-918) INV OUT=323.80
DI-918 T/G=328.00 INV IN=324.75 (DI-919) INV OUT=324.40
DI-919 T/G=331.86 INV OUT=328.55
CB-920 T/C=330.59 INV IN=325.05 (CB-922) INV IN=326.10 (CB-921) INV OUT=324.65

CB-921 T/C=330.59 INV OUT=326.35
CB-922 T/C=337.33 INV IN=331.80 (CB-924) INV IN=333.05 (CB-923) INV OUT=331.70
CB-923 T/C=338.96 INV OUT=334.70
CB-924 T/C=342.19 INV IN=336.65 (CB-928) INV IN=337.65 (CB-925) INV OUT=336.05
CB-925 T/C=342.19 INV IN=337.95 (DI-926) INV OUT=337.85
DI-926 T/G=344.02 INV IN=341.00 (YI-927) INV OUT=340.75
YI-927 T/G=347.12 INV OUT=344.15
CB-928 T/C=344.93 INV IN=338.60 (CB-931) INV IN=340.65 (CB-929) INV OUT=338.50
CB-929 T/C=348.58 INV IN=344.15 (CB-930) INV OUT=344.05
CB-930 T/C=348.58 INV OUT=344.30
CB-931 T/C=344.97 INV IN=338.95 (CB-932) INV OUT=338.85
CB-932 T/C=347.03 INV IN=339.55 (CB-934) INV IN=342.75 (CB-933) INV OUT=339.45
CB-933 T/C=347.26 INV OUT=343.00
CB-934 T/C=352.58 INV IN=347.55 (CB-941) INV IN=348.00 (CB-937) INV IN=341.90 (DI-935) INV OUT=340.45
DI-935 T/G=345.57 INV OUT=342.30
CB-937 T/C=352.58 INV IN=348.35 (DI-938) INV OUT=348.25
DI-938 T/G=353.88 INV IN=351.15 (YI-939) INV OUT=350.90
YI-939 T/G=354.81 INV IN=352.10 (YI-940) INV OUT=352.00
CB-941 T/C=357.12 INV IN=352.70 (CB-942) INV IN=349.10 (CB-943) INV OUT=349.00
CB-942 T/C=357.12 INV OUT=352.85
CB-943 T/C=358.19 INV IN=349.90 (CB-944) INV OUT=349.40
CB-944 T/C=358.19 INV IN=350.30 (CB-945) INV OUT=350.05
CB-945 T/C=358.49 INV IN=350.65 (CB-946) INV OUT=350.55
CB-1010 T/C=341.20 INV IN=336.20 (CB-1011) INV OUT=336.10
CB-1011 T/C=344.15 INV IN=338.60 (CB-1013) INV IN=339.75 (CB-1012) INV OUT=338.50

CB-1012 T/C=344.15 INV OUT=339.90
CB-1013 T/C=348.93 INV IN=340.10 (CB-1014) INV OUT=340.00
CB-1014 T/C=349.38 INV IN=340.40 (CB-1015) INV OUT=340.30
CB-1015 T/C=351.09 INV IN=340.90 (CB-1016) INV OUT=340.80
CB-1016 T/C=353.41 INV IN=341.30 (CB-1017) INV OUT=341.20
CB-1017 T/C=353.41 INV IN=341.60 (CB-1018) INV OUT=341.50
CB-1018 T/C=352.18 INV IN=342.00 (CB-1020) INV IN=347.70 (CB-1019) INV OUT=341.90
CB-1019 T/C=352.18 INV OUT=347.90
CB-1020 T/C=353.19 INV IN=342.65 (CB-1021) INV OUT=342.55
CB-1021 T/C=352.68 INV IN=343.15 (CB-1022) INV OUT=343.05
CB-1022 T/C=352.68 INV IN=343.45 (CB-1023) INV OUT=343.35
CB-1023 T/C=353.59 INV IN=349.30 (CB-1028) INV IN=349.25 (CB-1024) INV IN=344.50 (DI-1026) INV OUT=344.00
CB-1024 T/C=353.70 INV IN=349.70 (DI-1025) INV OUT=349.45
DI-1025 T/G=353.79 INV OUT=350.50
DI-1026 T/G=352.66 INV IN=344.85 (DI-1027) INV OUT=344.75
DI-1027 T/G=348.96 INV OUT=345.70
CB-1028 T/C=355.66 INV IN=351.40 (CB-1029) INV OUT=351.30
CB-1029 T/C=356.69 INV IN=352.25 (CB-1030) INV OUT=352.15
CB-1030 T/C=356.72 INV OUT=352.45
EW-1100 INV=310.00
CB-1101 T/C=323.93 INV IN=313.00 (CB-1102) INV OUT=312.90
CB-1102 T/C=323.93 INV IN=313.35 (CB-1103) INV OUT=313.25
CB-1104 T/C=322.17 INV OUT=317.90
DI-1209 T/G=341.00 INV OUT=337.75
EW-1300 INV=311.50
DI-1301 T/G=329.20 INV OUT=317.10

SEE SHEET C3.15

SEE SHEET C3.12

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M:\Projects\AshtonWoods\AWH-20000\04-Production\Engineering\Construction Drawing\Current Drawing\AWH20000-CD-Pkg-02-G1.dwg, 7/29/2021 8:59:50 AM, Williams, Sherrill

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ASHTON WOODS

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

NORTH CAROLINA PROFESSIONAL SEAL 22630 ENGINEER WILLIAM T. O'DANIEL
NOT FOR CONSTRUCTION

REVISIONS

NO. DATE

PLAN INFORMATION

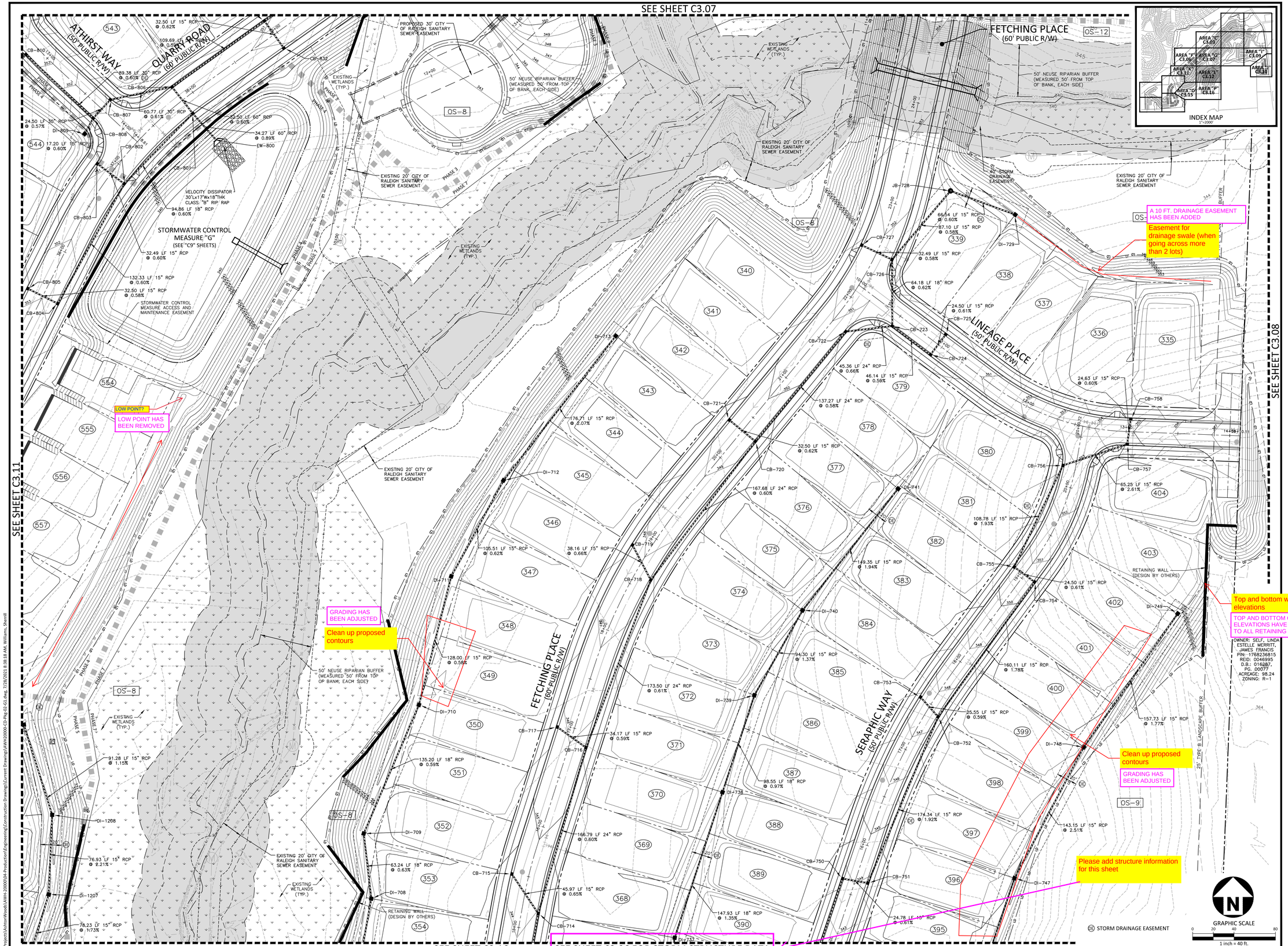
PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-02-G1
CHECKED BY	.
DRAWN BY	.
SCALE	1"=40'
DATE	07. 28. 2021

SHEET

GRADING AND STORM DRAINAGE PLAN AREA "K"

C3.11

SEE SHEET C3.07



SEE SHEET C3.11

SEE SHEET C3.08

SEE SHEET C3.16

SEE SHEET C3.06 FOR STORM STRUCTURE DATA

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

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

REVISIONS

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PLAN INFORMATION

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FILENAME	AWH20000-CD-PKG-02-G1
CHECKED BY	.
DRAWN BY	.
SCALE	1"=40'
DATE	07. 28. 2021

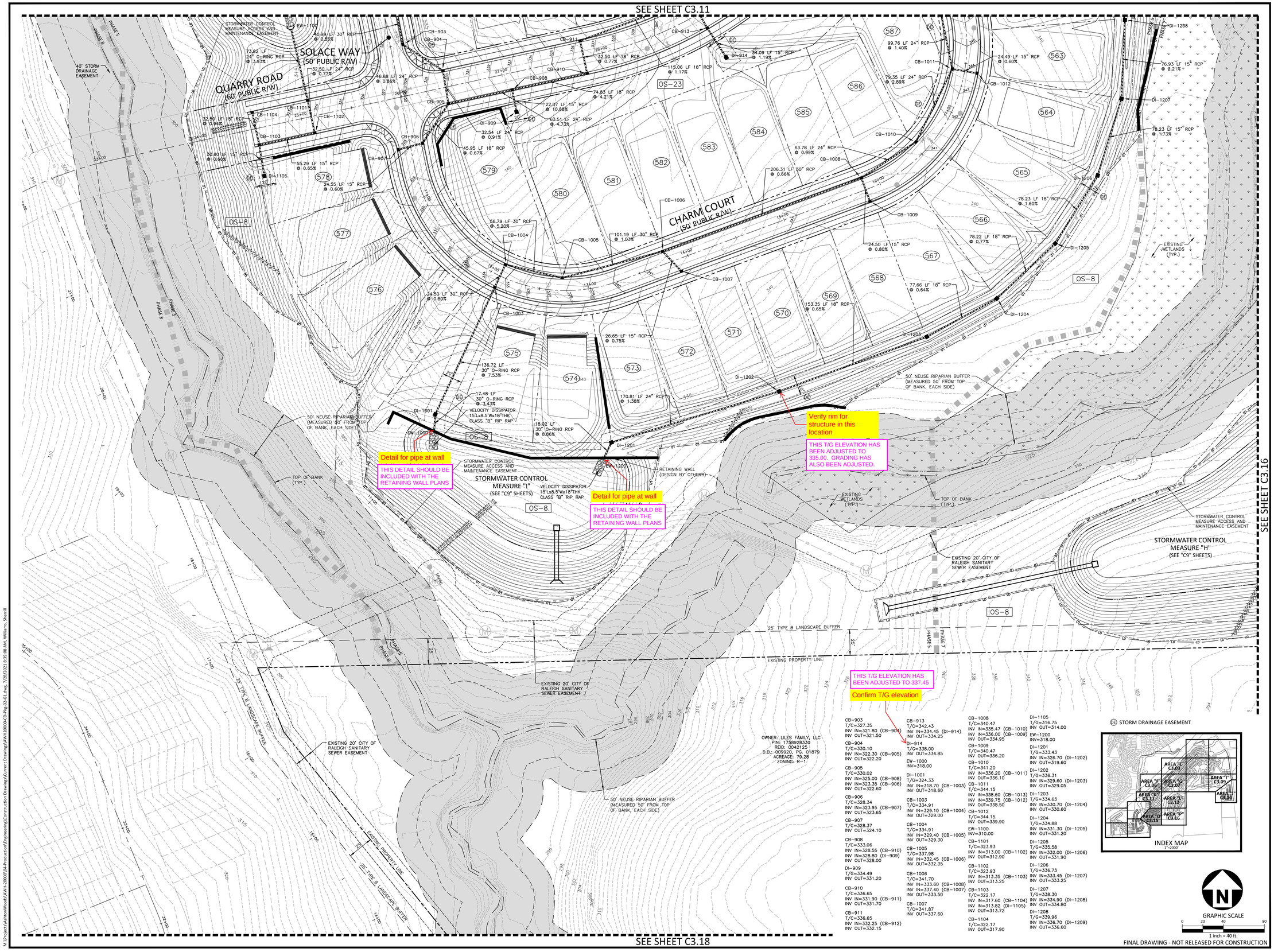
SHEET

GRADING AND STORM DRAINAGE PLAN AREA "L"

C3.12

M:\Projects\AshtonWoods\AWH-20000\04-Production\Engineering\Construction Drawings\Current Drawings\AWH20000-CD-Pkg-02-G1.dwg, 7/28/2021 8:38:18 AM, Williams, Sherrill

SEE SHEET C3.11



CB-903
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INV OUT=321.50

CB-904
T/C=330.10
INV IN=322.30 (CB-905)
INV OUT=322.20

CB-905
T/C=330.02
INV IN=325.00 (CB-908)
INV IN=323.35 (CB-906)
INV OUT=322.60

CB-906
T/C=328.34
INV IN=323.95 (CB-907)
INV OUT=323.65

CB-907
T/C=328.37
INV OUT=324.10

CB-908
T/C=333.06
INV IN=328.55 (CB-910)
INV IN=328.80 (DI-909)
INV OUT=328.00

DI-909
T/G=334.49
INV OUT=331.20

CB-910
T/C=336.65
INV IN=331.90 (CB-911)
INV OUT=331.70

CB-911
T/C=336.65
INV IN=332.25 (CB-912)
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CB-913
T/C=342.43
INV IN=334.45 (DI-914)
INV OUT=334.25

DI-914
T/G=338.00
INV OUT=334.85

EW-1000
INV=318.00

DI-1001
T/G=324.33
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CB-1003
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CB-1004
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CB-1005
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CB-1006
T/C=341.70
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CB-1007
T/C=341.87
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CB-1008
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CB-1009
T/C=340.47
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CB-1010
T/C=341.20
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CB-1011
T/C=344.15
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CB-1012
T/C=344.15
INV OUT=339.90

EW-1100
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CB-1101
T/C=323.93
INV IN=313.00 (CB-1102)
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CB-1102
T/C=323.93
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CB-1103
T/C=322.17
INV IN=317.60 (CB-1104)
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CB-1104
T/C=322.17
INV OUT=317.90

DI-1105
T/G=316.75
INV OUT=314.00

EW-1200
INV=318.00

DI-1201
T/G=333.43
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INV OUT=319.60

DI-1202
T/G=336.31
INV IN=329.60 (DI-1203)
INV OUT=329.05

DI-1203
T/G=334.63
INV IN=330.70 (DI-1204)
INV OUT=330.60

DI-1204
T/G=334.88
INV IN=331.30 (DI-1205)
INV OUT=331.20

DI-1205
T/G=335.58
INV IN=332.00 (DI-1206)
INV OUT=331.90

DI-1206
T/G=336.73
INV IN=333.45 (DI-1207)
INV OUT=333.25

DI-1207
T/G=338.30
INV IN=334.90 (DI-1208)
INV OUT=334.80

DI-1208
T/G=339.96
INV IN=336.70 (DI-1209)
INV OUT=336.60

SEE SHEET C3.18

SEE SHEET C3.16

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CONTACT: BOB MISHLER

ASHTON WOODS

THE POINT
PHASES 3, 4, 5, 7 AND 10
CONSTRUCTION DRAWINGS - PACKAGE 2
EAST YOUNG STREET
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,
WAKE COUNTY, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 22630 ENGINEER WILLIAM T. O'DANIEL
NOT FOR CONSTRUCTION

REVISIONS

NO. DATE

PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-02-G1
CHECKED BY	.
DRAWN BY	.
SCALE	1"=40'
DATE	07. 28. 2021

SHEET

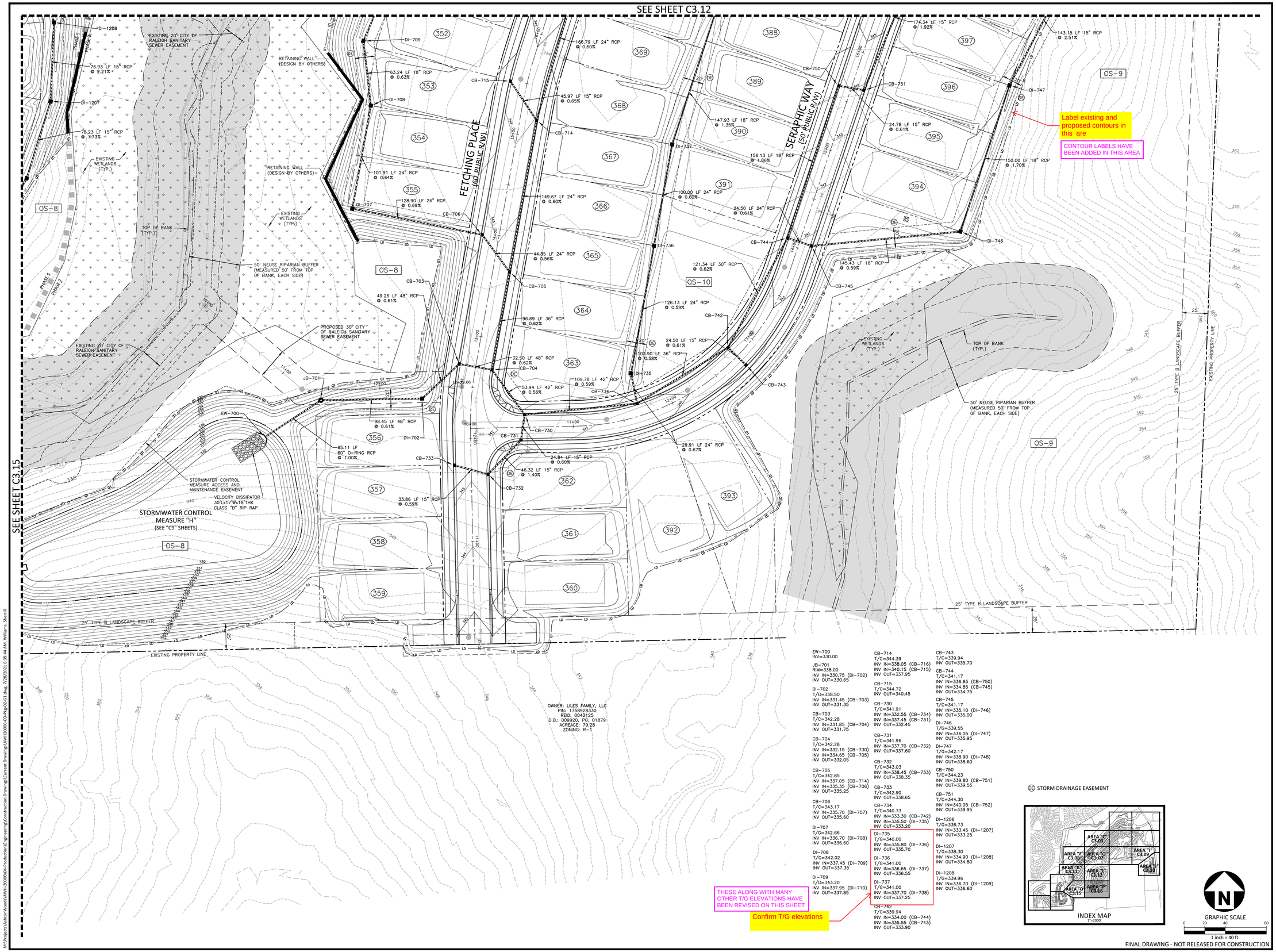
GRADING AND STORM DRAINAGE PLAN AREA "O"

C3.15

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

M:\Projects\AshtonWoods\AWH-20000\04-Production\Engineering\Construction Drawings\Current Drawings\AWH20000-CD-Pkg-02-G1.dwg, 7/28/2021 8:39:08 AM, Williams, Sherrill

SEE SHEET C3.12



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JB-701
RIM=338.00
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INV OUT=330.65

DI-702
T/G=338.50
INV IN=331.45 (CB-703)
INV OUT=331.35

CB-703
T/C=342.28
INV IN=331.85 (CB-704)
INV OUT=331.75

CB-704
T/C=342.28
INV IN=332.15 (CB-730)
INV IN=334.65 (CB-705)
INV OUT=332.05

CB-705
T/C=342.85
INV IN=337.05 (CB-714)
INV IN=335.35 (CB-706)
INV OUT=335.25

CB-706
T/C=343.17
INV IN=335.70 (DI-707)
INV OUT=335.60

DI-707
T/G=342.66
INV IN=336.70 (DI-708)
INV OUT=336.60

DI-708
T/G=342.02
INV IN=337.45 (DI-709)
INV OUT=337.35

DI-709
T/G=343.20
INV IN=337.95 (DI-710)
INV OUT=337.85

CB-714
T/C=344.39
INV IN=338.05 (CB-716)
INV IN=340.15 (CB-715)
INV OUT=337.95

CB-715
T/C=344.72
INV OUT=340.45

CB-730
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INV IN=337.45 (CB-731)
INV OUT=332.45

CB-731
T/C=341.96
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CB-732
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INV IN=338.45 (CB-733)
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CB-733
T/C=342.90
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CB-734
T/C=340.73
INV IN=333.30 (CB-742)
INV IN=335.50 (DI-735)
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DI-735
T/G=340.00
INV IN=335.80 (DI-736)
INV OUT=335.70

DI-736
T/G=341.00
INV IN=336.65 (DI-737)
INV OUT=336.55

DI-737
T/G=341.00
INV IN=337.70 (DI-738)
INV OUT=337.25

CB-742
T/G=339.94
INV IN=334.00 (CB-744)
INV IN=335.55 (CB-743)
INV OUT=333.90

CB-743
T/G=339.94
INV OUT=335.70

CB-744
T/C=341.17
INV IN=336.65 (CB-750)
INV IN=334.85 (CB-745)
INV OUT=334.75

CB-745
T/C=341.17
INV IN=335.10 (DI-746)
INV OUT=335.00

DI-746
T/G=339.55
INV IN=336.05 (DI-747)
INV OUT=335.95

DI-747
T/G=342.17
INV IN=338.90 (DI-748)
INV OUT=338.60

CB-750
T/C=344.23
INV IN=339.80 (CB-751)
INV OUT=339.55

CB-751
T/C=344.30
INV IN=340.05 (CB-752)
INV OUT=339.95

DI-1206
T/G=336.73
INV IN=333.45 (DI-1207)
INV OUT=333.25

DI-1207
T/G=338.30
INV IN=334.90 (DI-1208)
INV OUT=334.80

DI-1208
T/G=339.96
INV IN=336.70 (DI-1209)
INV OUT=336.60

THESE ALONG WITH MANY OTHER T/G ELEVATIONS HAVE BEEN REVISED ON THIS SHEET

Confirm T/G elevations

SE STORM DRAINAGE EASEMENT

INDEX MAP
1"=2000'

GRAPHIC SCALE
0 20 40 80
1 inch = 40 ft.

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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WAKE COUNTY, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 22630 ENGINEER WILLIAM T. O'DANIEL
NOT FOR CONSTRUCTION

REVISIONS

NO. DATE

PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-02-G1
CHECKED BY	.
DRAWN BY	.
SCALE	1"=40'
DATE	07. 28. 2021

SHEET

GRADING AND STORM DRAINAGE PLAN AREA "P"

C3.16

SEE SHEET C3.15

M:\Project\AshtonWoods\AWH-20000\04-Production\Engineering\Construction Drawings\Current Drawings\AWH20000-CD-Pkg-02-G1.dwg 7/28/2021 8:39:44 AM, Williams, Sherrill

CITY OF RALEIGH PUBLIC UTILITIES STANDARD UTILITY NOTES (AS APPLICABLE)

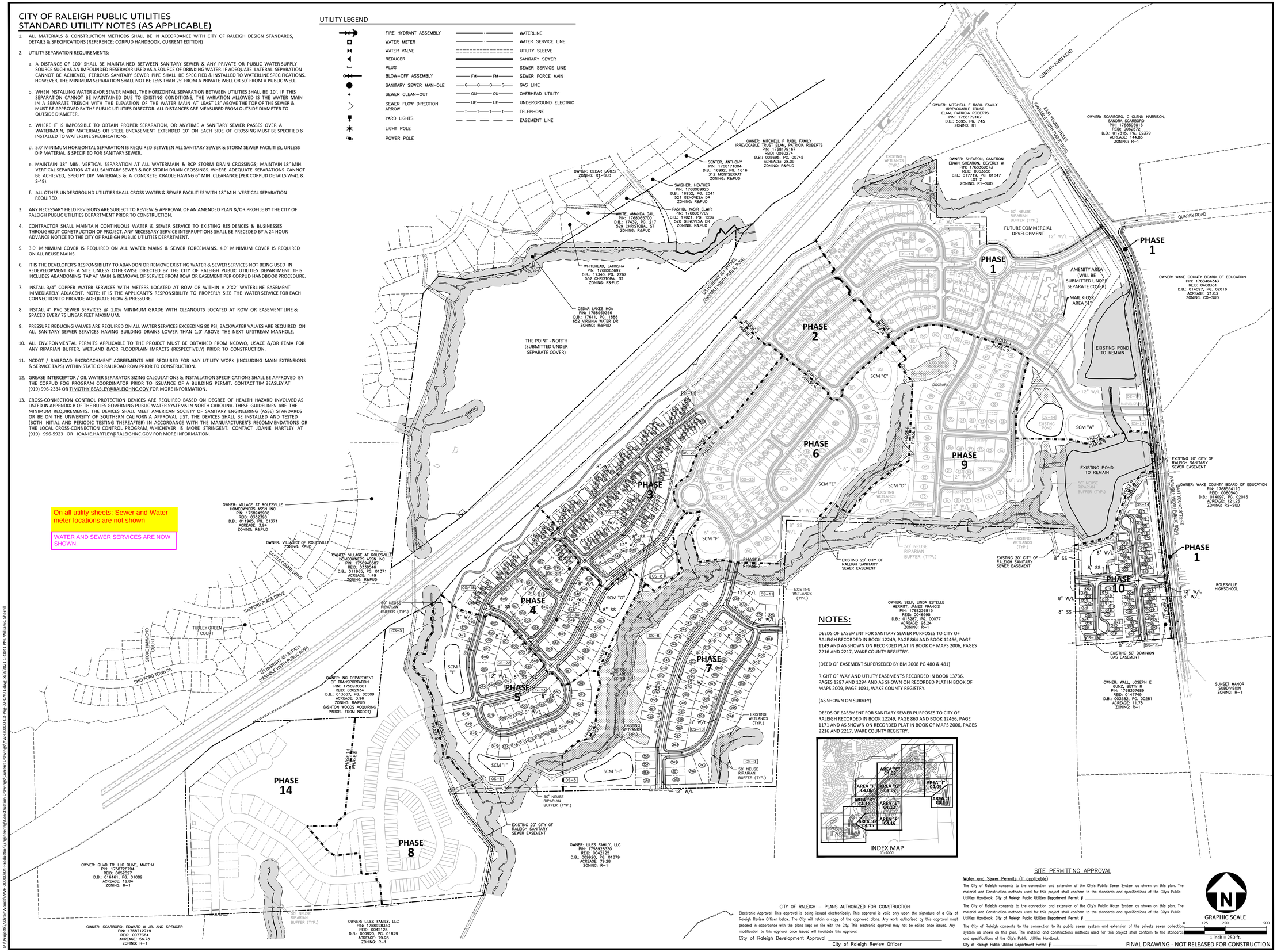
1. ALL MATERIALS & CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH CITY OF RALEIGH DESIGN STANDARDS, DETAILS & SPECIFICATIONS (REFERENCE: CORPUD HANDBOOK, CURRENT EDITION)
2. UTILITY SEPARATION REQUIREMENTS:
   a. A DISTANCE OF 100' SHALL BE MAINTAINED BETWEEN SANITARY SEWER & ANY PRIVATE OR PUBLIC WATER SUPPLY SOURCE SUCH AS AN IMPOUNDED RESERVOIR USED AS A SOURCE OF DRINKING WATER. IF ADEQUATE LATERAL SEPARATION CANNOT BE ACHIEVED, FERROUS SANITARY SEWER PIPE SHALL BE SPECIFIED & INSTALLED TO WATERLINE SPECIFICATIONS. HOWEVER, THE MINIMUM SEPARATION SHALL NOT BE LESS THAN 25' FROM A PRIVATE WELL OR 50' FROM A PUBLIC WELL.
   b. WHEN INSTALLING WATER &/OR SEWER MAINS, THE HORIZONTAL SEPARATION BETWEEN UTILITIES SHALL BE 10'. IF THIS SEPARATION CANNOT BE MAINTAINED DUE TO EXISTING CONDITIONS, THE VARIATION ALLOWED IS THE WATER MAIN IN A SEPARATE TRENCH WITH THE ELEVATION OF THE WATER MAIN AT LEAST 18" ABOVE THE TOP OF THE SEWER & MUST BE APPROVED BY THE PUBLIC UTILITIES DIRECTOR. ALL DISTANCES ARE MEASURED FROM OUTSIDE DIAMETER TO OUTSIDE DIAMETER.
   c. WHERE IT IS IMPOSSIBLE TO OBTAIN PROPER SEPARATION, OR ANYTIME A SANITARY SEWER PASSES OVER A WATERMAIN, DIP MATERIALS OR STEEL ENCASEMENT EXTENDED 10' ON EACH SIDE OF CROSSING MUST BE SPECIFIED & INSTALLED TO WATERLINE SPECIFICATIONS.
   d. 5.0' MINIMUM HORIZONTAL SEPARATION IS REQUIRED BETWEEN ALL SANITARY SEWER & STORM SEWER FACILITIES, UNLESS DIP MATERIAL IS SPECIFIED FOR SANITARY SEWER.
   e. MAINTAIN 18" MIN. VERTICAL SEPARATION AT ALL WATERMAIN & RCP STORM DRAIN CROSSINGS; MAINTAIN 18" MIN. VERTICAL SEPARATION AT ALL SANITARY SEWER & RCP STORM DRAIN CROSSINGS. WHERE ADEQUATE SEPARATIONS CANNOT BE ACHIEVED, SPECIFY DIP MATERIALS & A CONCRETE CRADLE HAVING 6" MIN. CLEARANCE (PER CORPUD DETAILS W-41 & S-49).
   f. ALL OTHER UNDERGROUND UTILITIES SHALL CROSS WATER & SEWER FACILITIES WITH 18" MIN. VERTICAL SEPARATION REQUIRED.
3. ANY NECESSARY FIELD REVISIONS ARE SUBJECT TO REVIEW & APPROVAL OF AN AMENDED PLAN &/OR PROFILE BY THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT PRIOR TO CONSTRUCTION.
4. CONTRACTOR SHALL MAINTAIN CONTINUOUS WATER & SEWER SERVICE TO EXISTING RESIDENCES & BUSINESSES THROUGHOUT CONSTRUCTION OF PROJECT. ANY NECESSARY SERVICE INTERRUPTIONS SHALL BE PRECEDED BY A 24 HOUR ADVANCE NOTICE TO THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT.
5. 3.0' MINIMUM COVER IS REQUIRED ON ALL WATER MAINS & SEWER FORCEMAINS. 4.0' MINIMUM COVER IS REQUIRED ON ALL REUSE MAINS.
6. IT IS THE DEVELOPER'S RESPONSIBILITY TO ABANDON OR REMOVE EXISTING WATER & SEWER SERVICES NOT BEING USED IN REDEVELOPMENT OF A SITE UNLESS OTHERWISE DIRECTED BY THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT. THIS INCLUDES ABANDONING TAP AT MAIN & REMOVAL OF SERVICE FROM ROW OR EASEMENT PER CORPUD HANDBOOK PROCEDURE.
7. INSTALL 3/4" COPPER WATER SERVICES WITH METERS LOCATED AT ROW OR WITHIN A 2'X2' WATERLINE EASEMENT IMMEDIATELY ADJACENT. NOTE: IT IS THE APPLICANT'S RESPONSIBILITY TO PROPERLY SIZE THE WATER SERVICE FOR EACH CONNECTION TO PROVIDE ADEQUATE FLOW & PRESSURE.
8. INSTALL 4" PVC SEWER SERVICES @ 1.0% MINIMUM GRADE WITH CLEANOUTS LOCATED AT ROW OR EASEMENT LINE & SPACED EVERY 75 LINEAR FEET MAXIMUM.
9. PRESSURE REDUCING VALVES ARE REQUIRED ON ALL WATER SERVICES EXCEEDING 80 PSI; BACKWATER VALVES ARE REQUIRED ON ALL SANITARY SEWER SERVICES HAVING BUILDING DRAINS LOWER THAN 1.0' ABOVE THE NEXT UPSTREAM MANHOLE.
10. ALL ENVIRONMENTAL PERMITS APPLICABLE TO THE PROJECT MUST BE OBTAINED FROM NCDWQ, USACE &/OR FEMA FOR ANY RIPARIAN BUFFER, WETLAND &/OR FLOODPLAIN IMPACTS (RESPECTIVELY) PRIOR TO CONSTRUCTION.
11. NCDOT / RAILROAD ENCROACHMENT AGREEMENTS ARE REQUIRED FOR ANY UTILITY WORK (INCLUDING MAIN EXTENSIONS & SERVICE TAPS) WITHIN STATE OR RAILROAD ROW PRIOR TO CONSTRUCTION.
12. GREASE INTERCEPTOR / OIL WATER SEPARATOR SIZING CALCULATIONS & INSTALLATION SPECIFICATIONS SHALL BE APPROVED BY THE CORPUD FOG PROGRAM COORDINATOR PRIOR TO ISSUANCE OF A BUILDING PERMIT. CONTACT TIM BEASLEY AT (919) 996-2334 OR TIMOTHY.BEASLEY@RALEIGHNC.GOV FOR MORE INFORMATION.
13. CROSS-CONNECTION CONTROL PROTECTION DEVICES ARE REQUIRED BASED ON DEGREE OF HEALTH HAZARD INVOLVED AS LISTED IN APPENDIX-B OF THE RULES GOVERNING PUBLIC WATER SYSTEMS IN NORTH CAROLINA. THESE GUIDELINES ARE THE MINIMUM REQUIREMENTS. THE DEVICES SHALL MEET AMERICAN SOCIETY OF SANITARY ENGINEERING (ASSE) STANDARDS OR BE ON THE UNIVERSITY OF SOUTHERN CALIFORNIA APPROVAL LIST. THE DEVICES SHALL BE INSTALLED AND TESTED (BOTH INITIAL AND PERIODIC TESTING THEREAFTER) IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS OR THE LOCAL CROSS-CONNECTION CONTROL PROGRAM, WHICHEVER IS MORE STRINGENT. CONTACT JOANIE HARTLEY AT (919) 996-5923 OR JOANIE.HARTLEY@RALEIGHNC.GOV FOR MORE INFORMATION.

UTILITY LEGEND

FIRE HYDRANT ASSEMBLY	WATERLINE
WATER METER	WATER SERVICE LINE
WATER VALVE	UTILITY SLEEVE
REDUCER	SANITARY SEWER
PLUG	SEWER SERVICE LINE
BLOW-OFF ASSEMBLY	SEWER FORCE MAIN
SANITARY SEWER MANHOLE	GAS LINE
SEWER CLEAN-OUT	OVERHEAD UTILITY
SEWER FLOW DIRECTION ARROW	UNDERGROUND ELECTRIC
YARD LIGHTS	TELEPHONE
LIGHT POLE	EASEMENT LINE
POWER POLE	

On all utility sheets: Sewer and Water meter locations are not shown

WATER AND SEWER SERVICES ARE NOW SHOWN.



NOTES:

DEEDS OF EASEMENT FOR SANITARY SEWER PURPOSES TO CITY OF RALEIGH RECORDED IN BOOK 12249, PAGE 864 AND BOOK 12466, PAGE 1149 AND AS SHOWN ON RECORDED PLAT IN BOOK OF MAPS 2006, PAGES 2216 AND 2217, WAKE COUNTY REGISTRY.

(DEED OF EASEMENT SUPERSEDED BY BM 2008 PG 480 & 481)

RIGHT OF WAY AND UTILITY EASEMENTS RECORDED IN BOOK 13736, PAGES 1287 AND 1294 AND AS SHOWN ON RECORDED PLAT IN BOOK OF MAPS 2009, PAGE 1091, WAKE COUNTY REGISTRY.

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SITE PERMITTING APPROVAL

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CITY OF RALEIGH – PLANS AUTHORIZED FOR CONSTRUCTION

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City of Raleigh Development Approval _____
City of Raleigh Review Officer

GRAPHIC SCALE
0 125 250 500
1 inch = 250 ft.

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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

NORTH CAROLINA PROFESSIONAL SEAL 22630 ENGINEER WILLIAM T. O'DANIEL
NOT FOR CONSTRUCTION

REVISIONS

NO. DATE

PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-02-OAU1
CHECKED BY	.
DRAWN BY	.
SCALE	1"=250'
DATE	07. 28. 2021

SHEET

OVERALL UTILITY PLAN

C4.00

M:\Projects\AshtonWoods\AWH-20000\04-Production\Engineering\Construction Drawings\Current Drawings\AWH20000-CD-Pkg-02-OAU1.dwg, 8/2/2021 1:48:41 PM, Williams, Sherrill

INDEX MAP
1"=200'

DE STORM DRAINAGE EASEMENT

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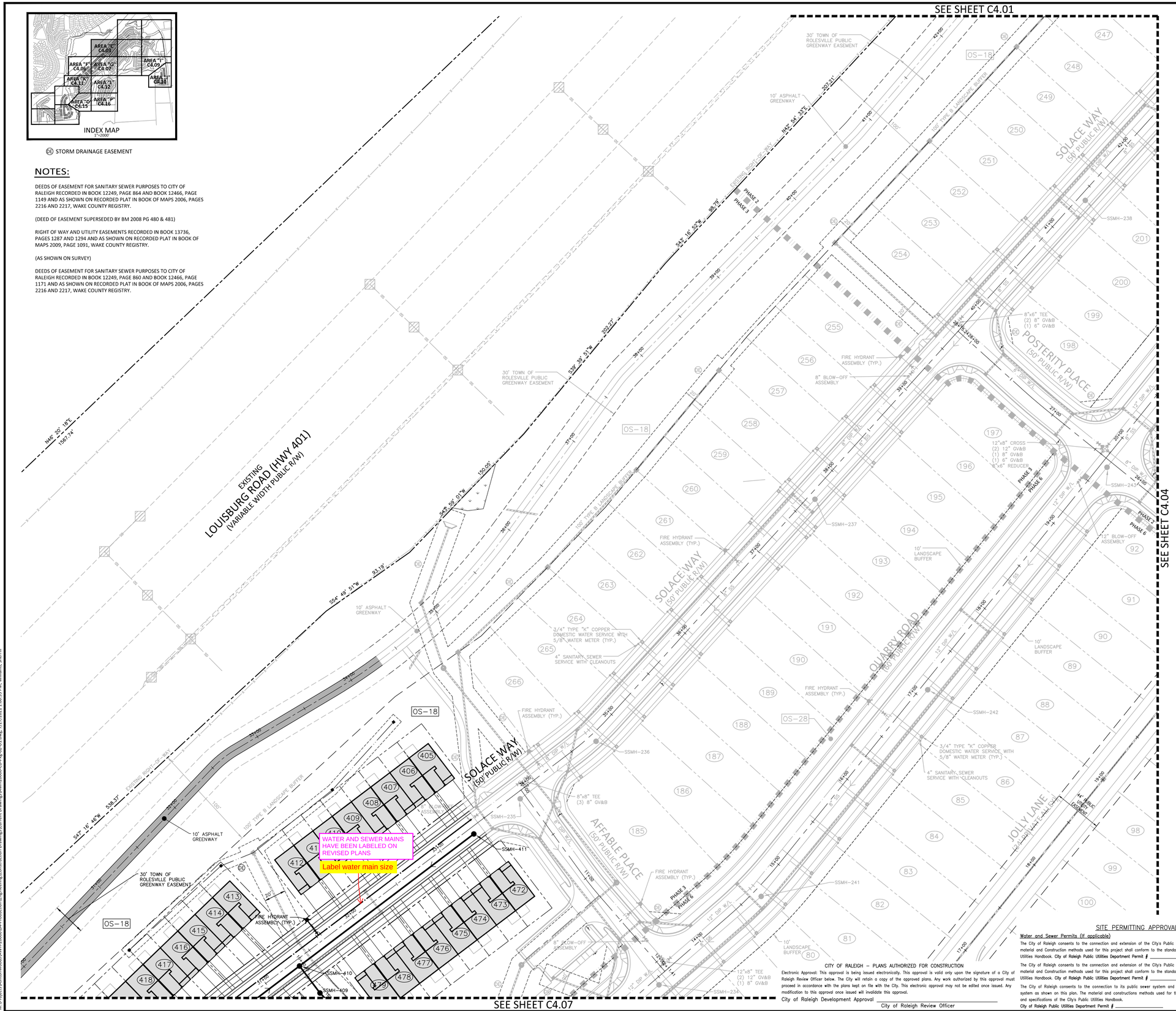

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GRAPHIC SCALE
0 20 40 80
1 inch = 40 ft.

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NORTH CAROLINA PROFESSIONAL SEAL 22630 ENGINEER WILLIAM T. O'DANIEL
NOT FOR CONSTRUCTION

REVISIONS

NO. DATE

PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-02-U1
CHECKED BY	.
DRAWN BY	.
SCALE	1"=40'
DATE	07. 28. 2021

SHEET

UTILITY PLAN
AREA "C"
C4.03

M:\Projects\AshtonWoods\AWH-20000\04-Production\Engineering\Construction Drawings\Current Drawings\AWH20000-CD-Pkg-02-U1.dwg, 7/27/2021 1:00:53 PM, Williams, Sherrill

INDEX MAP
1"=2000'

DE STORM DRAINAGE EASEMENT

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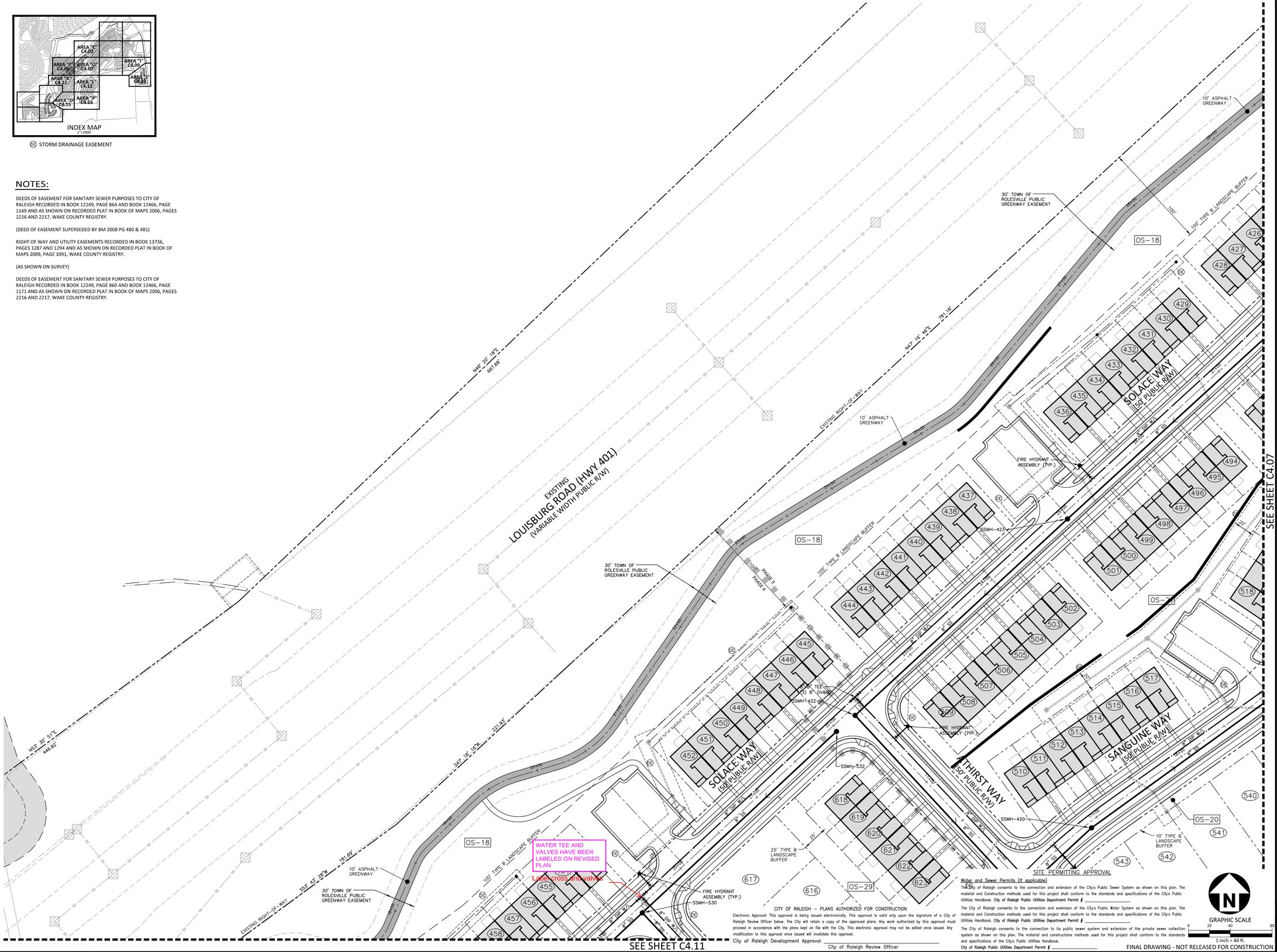

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NORTH CAROLINA PROFESSIONAL SEAL 22630 ENGINEER WILLIAM T. O'DANIEL
NOT FOR CONSTRUCTION

REVISIONS

NO. DATE

PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-02-U1
CHECKED BY	.
DRAWN BY	.
SCALE	1"=40'
DATE	07. 28. 2021

SHEET

UTILITY PLAN
AREA "F"
C4.06

M:\Projects\AshtonWoods\AWH-20000\04-Production\Engineering\Construction Drawings\Current Drawings\AWH20000-CD-Pkg-02-U1.dwg, 7/27/2021 1:01:35 PM, Williams, Sherrill

SEE SHEET C4.03

SEE SHEET C4.08

SEE SHEET C4.12

SITE PERMITTING APPROVAL

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City of Raleigh Development Approval _____ City of Raleigh Review Officer

GRAPHIC SCALE
0 20 40 80
1 inch = 40 ft.

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

MCADAMS
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CLIENT

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PHONE: 919. 232. 3695
CONTACT: BOB MISHLER

ASHTON WOODS

THE POINT
PHASES 3, 4, 5, 7 AND 10
CONSTRUCTION DRAWINGS - PACKAGE 2
EAST YOUNG STREET
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,
WAKE COUNTY, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 22630 ENGINEER WILLIAM T. O'DANIEL
NOT FOR CONSTRUCTION

REVISIONS

NO. DATE

PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-02-U1
CHECKED BY	.
DRAWN BY	.
SCALE	1"=40'
DATE	07. 28. 2021

SHEET

UTILITY PLAN
AREA "G"

C4.07

M:\Projects\AshtonWoods\AWH-20000\04-Production\Engineering\Construction Drawings\Current Drawings\AWH20000-CD-Pkg-02-U1.dwg, 7/28/2021 2:43:40 PM, Williams, Sherrill

SEE SHEET C4.05

SEE SHEET C4.08

COMPEER WAY
(50' PUBLIC R/W)

CONTEMPO COURT
(50' PUBLIC R/W)

MIRTH COURT
(50' PUBLIC R/W)

EXISTING E. YOUNG STREET
(60' PUBLIC R/W)

STORMWATER CONTROL MEASURE "A"
(SEE "C9" SHEETS)

STORMWATER CONTROL MEASURE "B"
(WET POND)

EXISTING POND TO REMAIN

SEE PLANS BY EXULT ENGINEERING FOR OFF-SITE ROAD IMPROVEMENTS

Label reducer

REDUCER HAS BEEN LABELED

THIS IS AN EXISTING SSMH. THE LABELING HAS BEEN ADJUSTED FOR BETTER CLARITY AND THE PROPOSED MH SYMBOL HAS BEEN REMOVED.

Is this a proposed or existing manhole?

MAIL KIOSK AREA "2"

EX. SSMH – RIM ELV: 361.85'
8" PVC INV. IN: 353.72' (E)
8" PVC INV. OUT: 353.61' (SW)

EX. SSMH – RIM ELV: 368.85'
8" PVC INV. IN: 360.14' (S)
8" PVC INV. OUT: 359.94' (W)

EX. SSMH – RIM ELV: 386.81'
8" PVC INV. IN: 370.87' (NE)
8" PVC INV. OUT: 370.46' (W)

EX. SSMH – RIM ELV: 381.18'
8" PVC INV. IN: 373.05' (E)
8" PVC INV. OUT: 373.03' (SW)

EX. SSMH – RIM ELV: 386.43'
8" PVC INV. IN: 372.08' (NE)
8" PVC INV. OUT: 372.04' (SW)

EX. SSMH – RIM ELV: 370.80'
8" PVC INV. IN: 362.21' (E)
8" PVC INV. OUT: 362.11' (N)

EX. SSMH – RIM ELV: 372.53'
8" PVC INV. IN: 364.41' (E)
8" PVC INV. OUT: 364.28' (W)

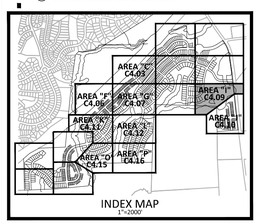
PROPOSED 30' CITY OF RALEIGH SANITARY SEWER EASEMENT

EXISTING 20' CITY OF RALEIGH SANITARY SEWER EASEMENT

50' NEUSE RIPARIAN BUFFER (MEASURED 50' FROM TOP OF BANK, EACH SIDE)

TYPE B LANDSCAPE BUFFER

STORM DRAINAGE EASEMENT



INDEX MAP
1"=2000'

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FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

M:\Projects\AshtonWoods\AWH-20000\04-Production\Engineering\Construction Drawings\Current Drawings\AWH20000-CD-Pkg-02-U1.dwg, 7/28/2021 8:46:13 AM, Williams, Sherrill

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WAKE COUNTY, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 22630 ENGINEER WILLIAM T. COMMELL
NOT FOR CONSTRUCTION

REVISIONS

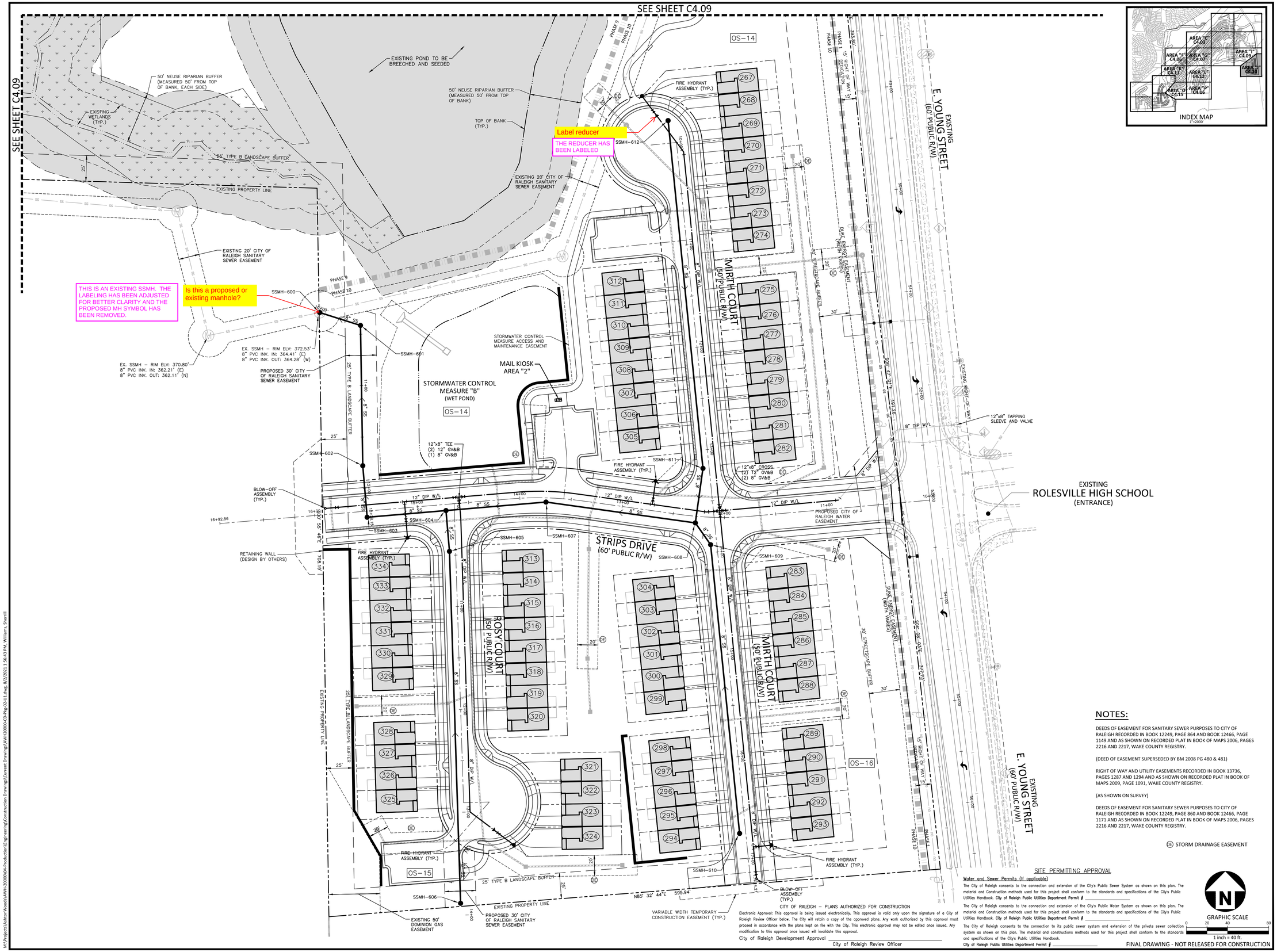
NO. DATE

PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-02-U1
CHECKED BY	.
DRAWN BY	.
SCALE	1"=40'
DATE	07. 28. 2021

SHEET

UTILITY PLAN
AREA "I"
C4.09



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(SE) STORM DRAINAGE EASEMENT

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WAKE COUNTY, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 22630 ENGINEER WILLIAM T. O'DANIEL
NOT FOR CONSTRUCTION

REVISIONS

NO. DATE

PLAN INFORMATION

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FILENAME	AWH20000-CD-PKG-02-U1
CHECKED BY	.
DRAWN BY	.
SCALE	1"=40'
DATE	07. 28. 2021

SHEET

UTILITY PLAN
AREA "J"
C4.10

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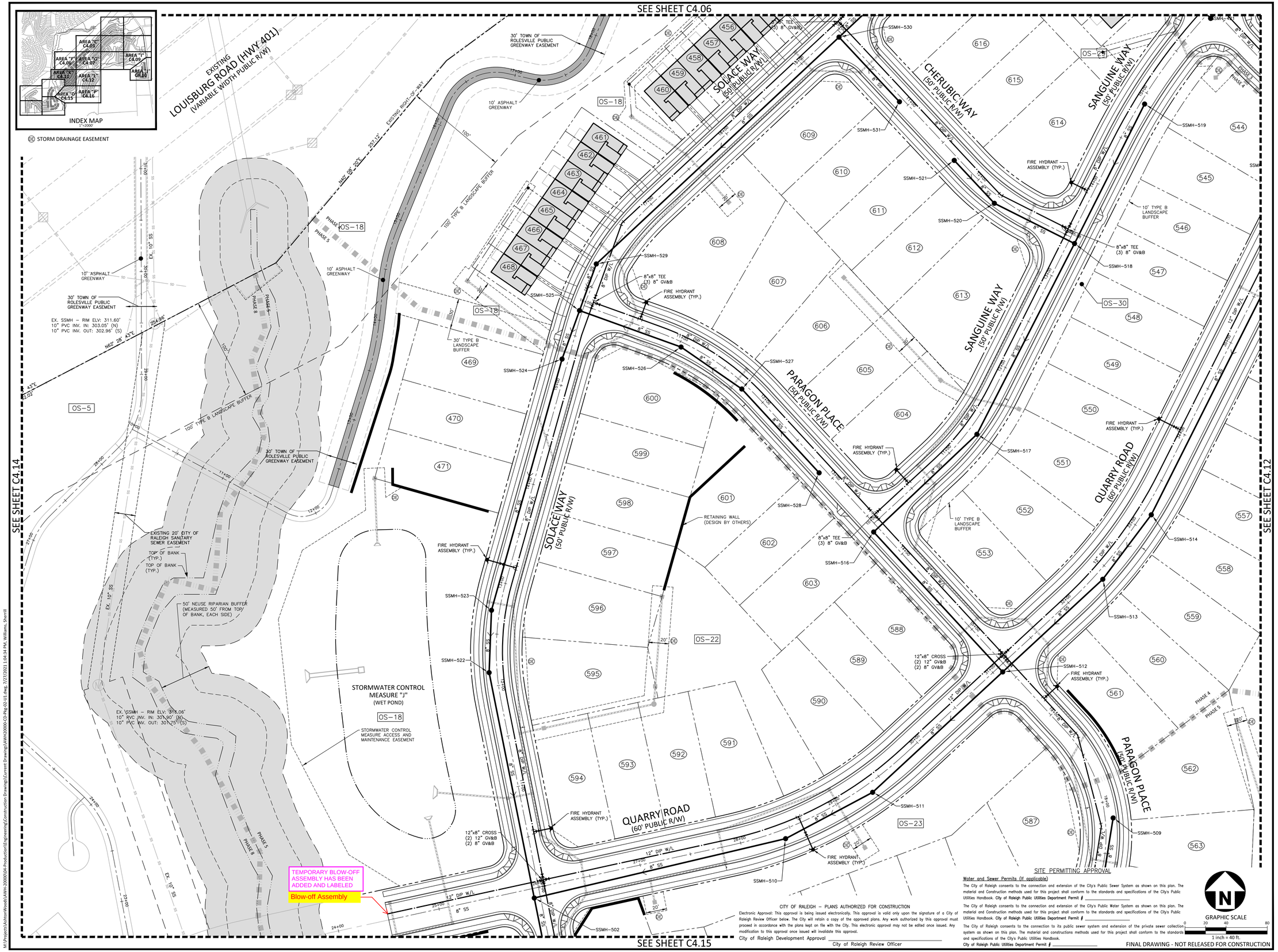

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GRAPHIC SCALE

0 20 40 80

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FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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

NOT FOR CONSTRUCTION

REVISIONS

NO. DATE

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CHECKED BY	.
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SCALE	1"=40'
DATE	07. 28. 2021

SHEET

UTILITY PLAN
AREA "K"

C4.11

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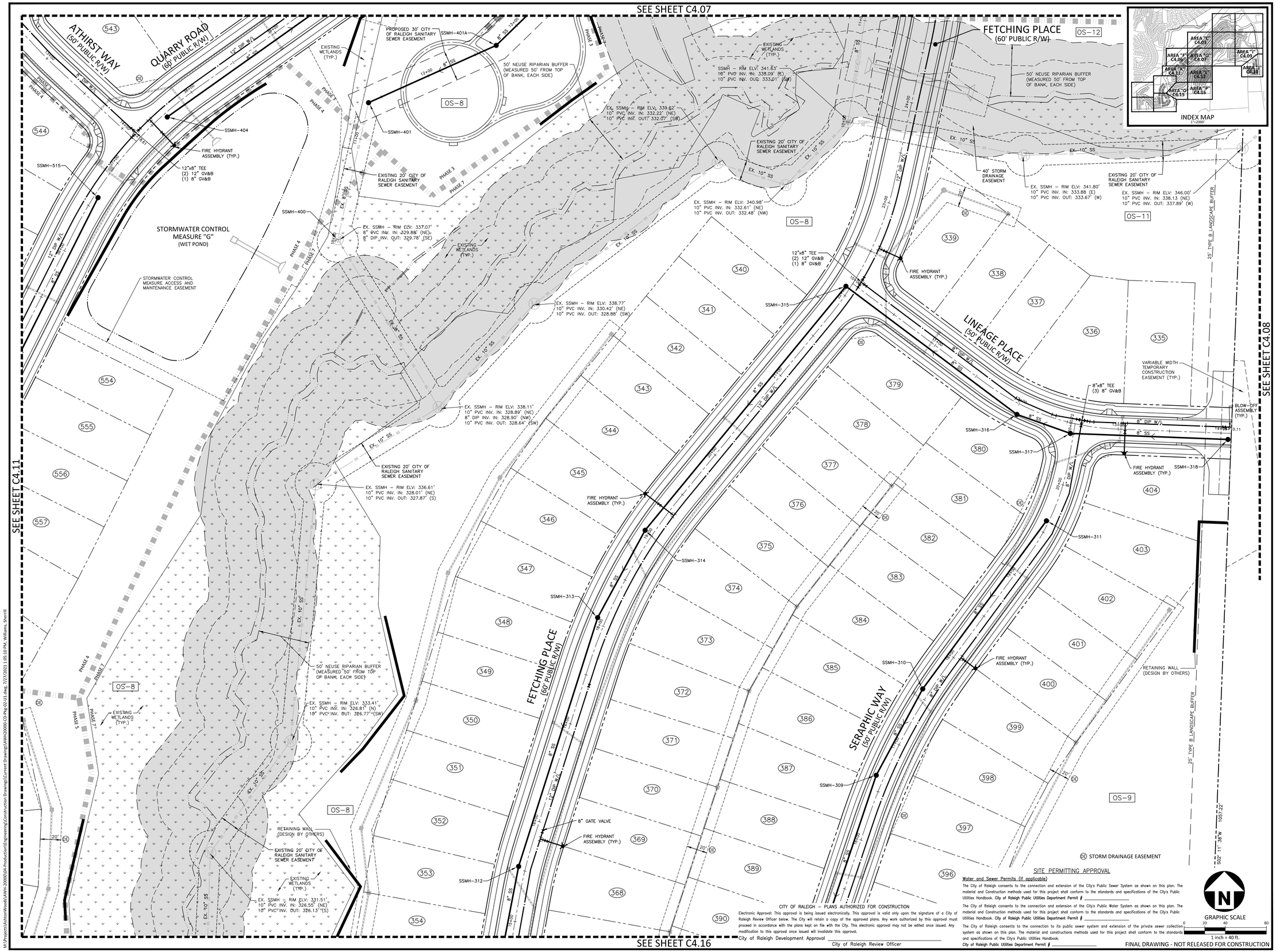

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NOT FOR CONSTRUCTION

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DATE	07. 28. 2021

SHEET

UTILITY PLAN
AREA "L"

C4.12

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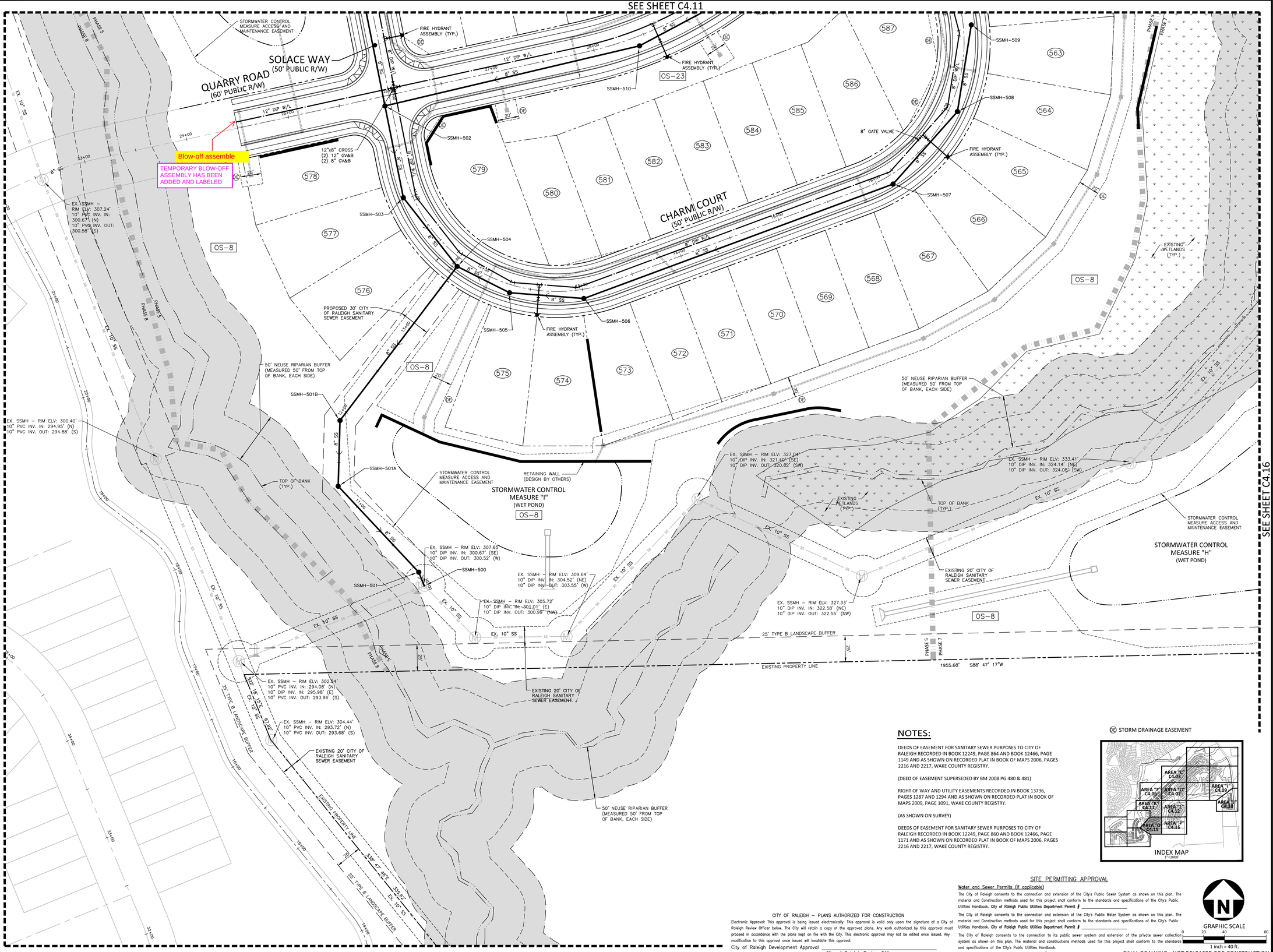
SEE SHEET C4.11



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DE STORM DRAINAGE EASEMENT

INDEX MAP
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N
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SHEET

UTILITY PLAN
AREA "O"
C4.15

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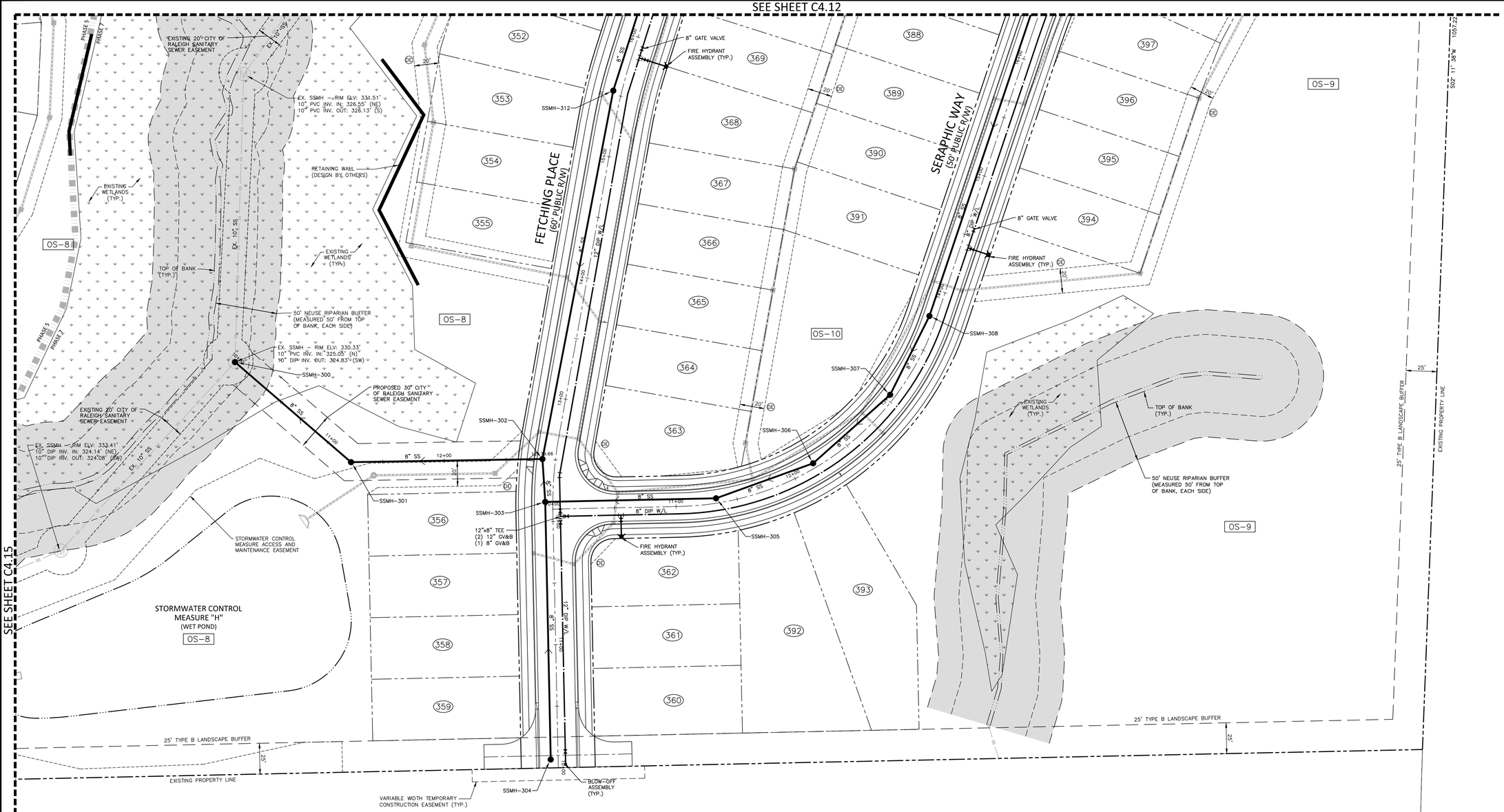
SEE SHEET C4.12



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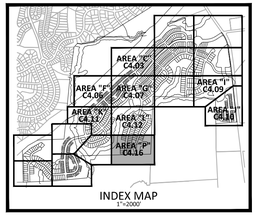

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PRELIMINARY NOT FOR CONSTRUCTION

REVISIONS

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SHEET

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C4.16

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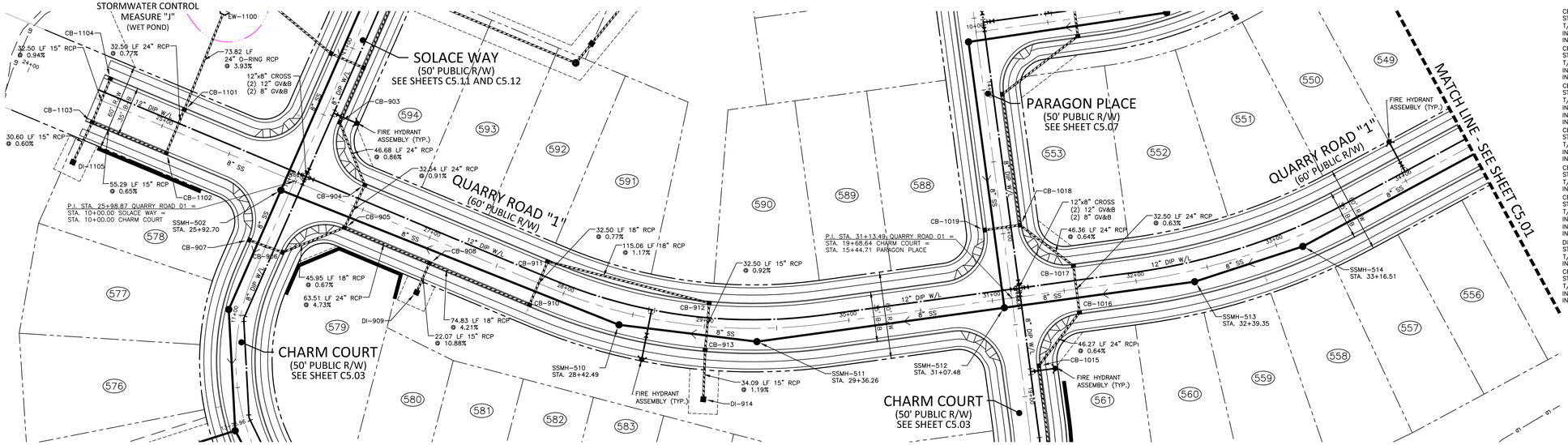

CB-903
STA. 26+11.97
T/C=327.35
INV IN=321.80 (CB-904)
INV OUT=321.50

CB-904
STA. 26+44.69
T/C=330.10
INV IN=322.30 (CB-905)
INV OUT=322.20

CB-905
STA. 26+43.05
T/C=330.02
INV IN=325.00 (CB-908)
INV IN=323.35 (CB-906)
INV OUT=322.60

CB-906
STA. 26+10.28
T/C=328.34
INV IN=323.95 (CB-907)
INV OUT=323.65

CB-907
STA. 25+85.76
T/C=328.37
INV OUT=324.10

CB-908
STA. 27+06.57
T/C=333.06
INV IN=328.55 (CB-910)
INV IN=328.80 (DI-909)
INV OUT=328.00

DI-909
STA. 27+06.17
T/C=334.49
INV OUT=331.20

CB-910
STA. 27+81.40
T/C=336.65
INV IN=331.90 (CB-911)
INV OUT=331.70

CB-911
STA. 27+81.40
T/C=336.66
INV IN=332.25 (CB-912)
INV OUT=332.15

CB-912
STA. 29+02.00
T/C=342.43
INV IN=333.95 (CB-913)
INV OUT=333.60

CB-913
STA. 29+02.00
T/C=342.43
INV IN=334.45 (DI-914)
INV OUT=334.25

CB-1015
STA. 31+25.64
T/C=351.09
INV IN=340.90 (CB-1016)
INV OUT=340.80

CB-1016
STA. 31+58.39
T/C=353.41
INV IN=341.30 (CB-1017)
INV OUT=341.20

CB-1017
STA. 31+58.58
T/C=353.41
INV IN=341.60 (CB-1018)
INV OUT=341.50

CB-1018
STA. 31+25.84
T/C=352.18
INV IN=342.00 (CB-1020)
INV IN=347.70 (CB-1019)
INV OUT=341.90

CB-1019
STA. 31+01.34
T/C=352.18
INV OUT=347.90

OUTFALL – 1
STA. 25+08.86
???=312.33
INV IN=310.00 (CB-1101)

CB-1101
STA. 25+09.79
T/C=323.93
INV IN=313.00 (CB-1102)
INV OUT=312.90

CB-1102
STA. 25+09.79
T/C=323.93
INV IN=313.35 (CB-1103)
INV OUT=313.25

CB-1103
STA. 24+54.50
T/C=322.17
INV IN=317.60 (CB-1104)
INV IN=313.82 (DI-1105)
INV OUT=313.72

CB-1104
STA. 24+54.50
T/C=322.17
INV OUT=317.90

DI-1105
STA. 24+52.90
T/C=316.75
INV OUT=314.00

QUARRY ROAD "1"

CITY OF RALEIGH – PLANS AUTHORIZED FOR CONSTRUCTION

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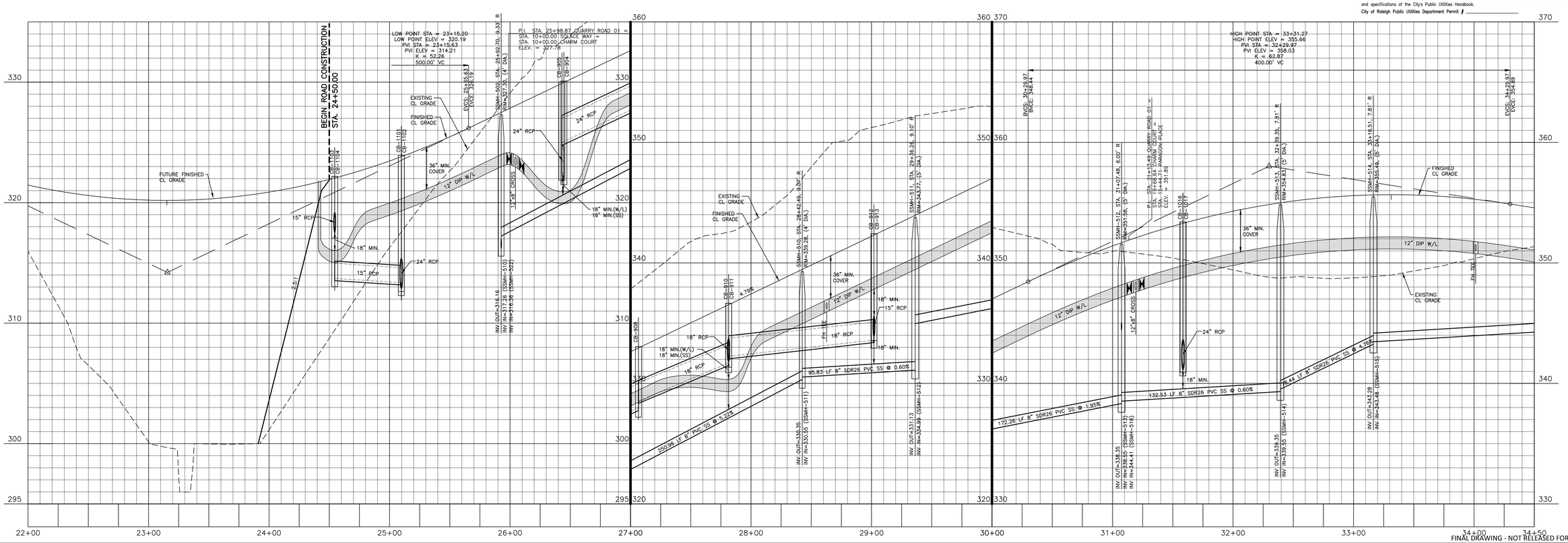

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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

REVISIONS
NO. DATE

NORTH CAROLINA PROFESSIONAL SEAL 22630 ENGINEER WILLIAM T. O'DANIEL
NOT FOR CONSTRUCTION UNTIL FINAL APPROVAL

THE POINT - PHASES 3, 4, 5, 7 AND 10

CONSTRUCTION DRAWINGS - PACKAGE 2

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

PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-02-P1
CHECKED BY	WTO
DRAWN BY	SRW
SCALE	1"=40'/1"=4'
DATE	07. 28. 2021

PLAN AND PROFILE
QUARRY ROAD "1", STA. 23+00 THRU STA. 34+50

C5.00

CB-801
STA. 37+87.34
T/C=350.83
INV IN=340.40 (CB-806)
INV IN=346.00 (CB-802)
INV OUT=340.30

CB-802
STA. 36+87.89
T/C=351.26
INV IN=347.01 (CB-804)
INV IN=346.82 (CB-803)
INV OUT=346.57

CB-803
STA. 36+87.88
T/C=351.26
INV OUT=347.01

CB-804
STA. 35+52.53
T/C=353.08
INV IN=348.64 (CB-805)
INV OUT=347.80

CB-805
STA. 35+52.53
T/C=353.08
INV OUT=348.83

CB-806
STA. 37+87.34
T/C=350.83
INV IN=340.70 (CB-831)
INV IN=344.06 (CB-807)
INV OUT=340.60

CB-807
STA. 37+38.90
T/C=351.32
INV IN=344.53 (CB-808)
INV OUT=344.43

CB-808
STA. 37+17.12
T/C=351.32
INV IN=344.77 (CB-810)
INV IN=346.60 (DI-809)
INV OUT=344.67

DI-809
STA. 37+02.06
T/G=350.95
INV OUT=346.70

CB-831
STA. 38+96.26
T/C=351.34
INV IN=341.70 (CB-833)
INV IN=347.90 (CB-832)
INV OUT=341.35

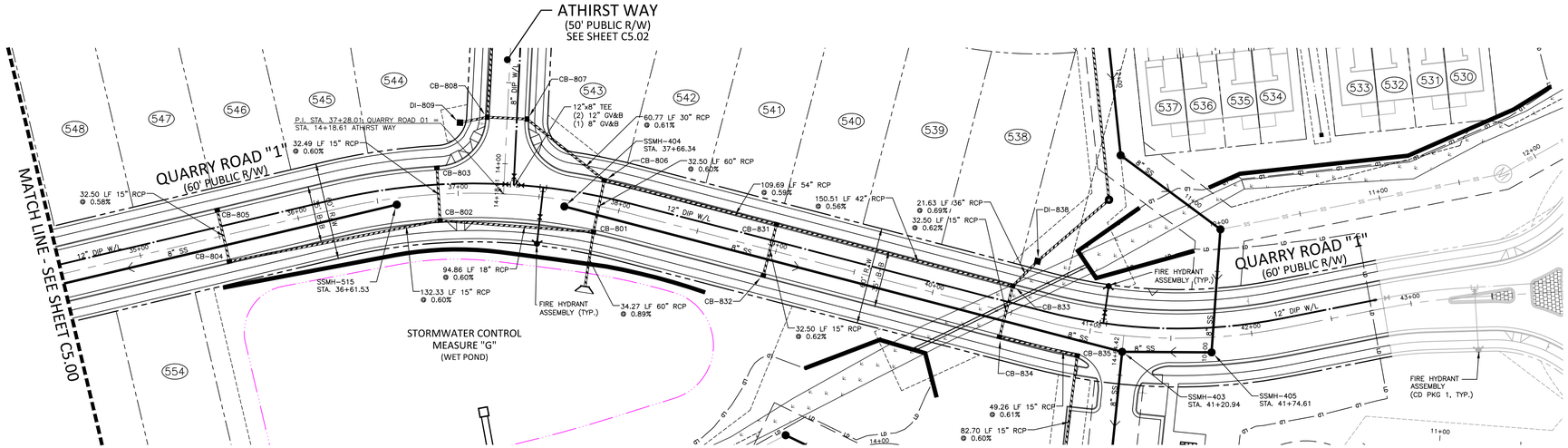
CB-832
STA. 38+96.26
T/C=351.34
INV OUT=348.10

CB-833
STA. 40+46.77
T/C=352.86
INV IN=342.65 (DI-838)
INV IN=345.80 (CB-834)
INV OUT=342.55

CB-834
STA. 40+46.77
T/C=352.86
INV IN=346.10 (CB-835)
INV OUT=346.00

CB-835
STA. 40+94.83
T/C=353.35
INV IN=346.50 (CB-836)
INV OUT=346.40

DI-838
STA. 40+57.75
T/G=352.69
INV IN=342.90 (JB-838A)
INV OUT=342.80



STORM DRAINAGE EASEMENT

GRAPHIC SCALE
0 20 40 80
1 inch = 40 ft.

QUARRY ROAD "1"

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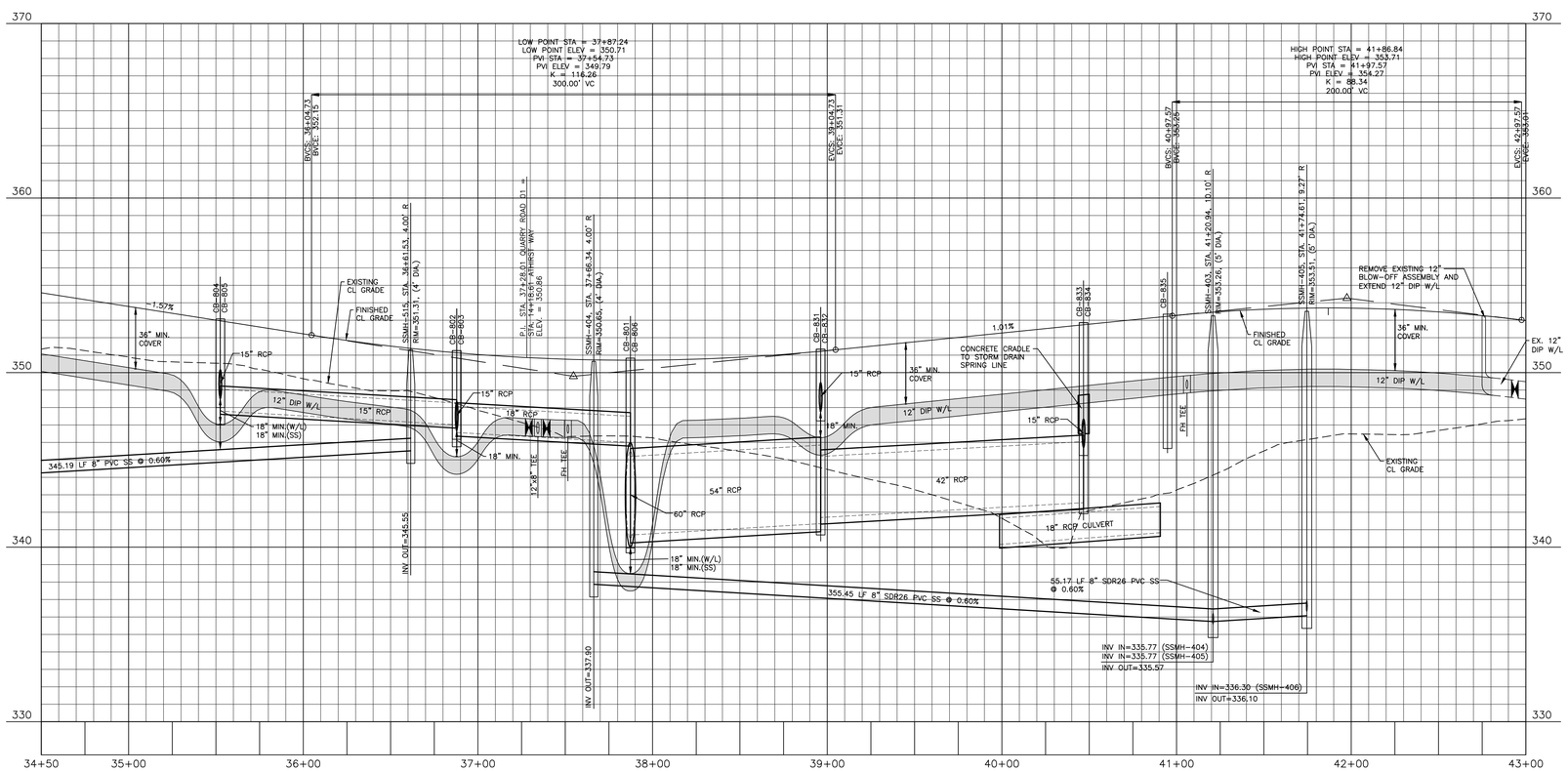

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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REVISIONS
NO. DATE

NORTH CAROLINA PROFESSIONAL SEAL 22630 ENGINEER WILLIAM T. O'DANIEL
NOT FOR CONSTRUCTION

THE POINT - PHASES 3, 4, 5, 7 AND 10

CONSTRUCTION DRAWINGS - PACKAGE 2

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

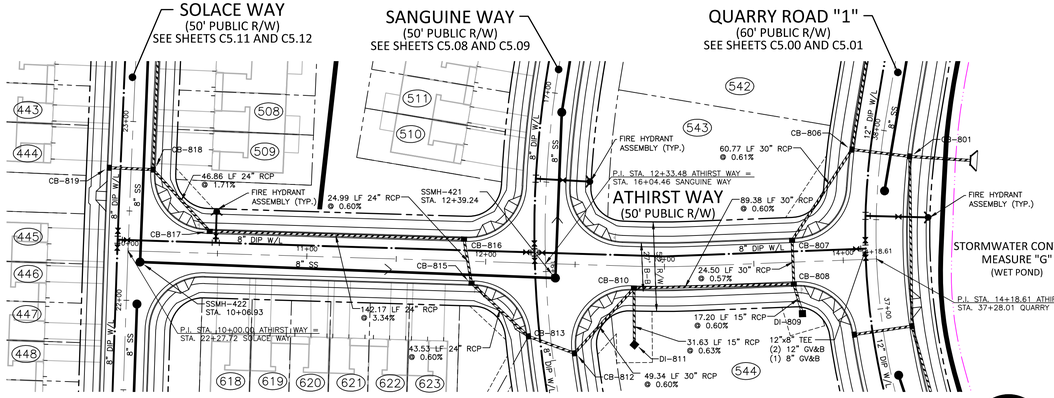
PLAN INFORMATION

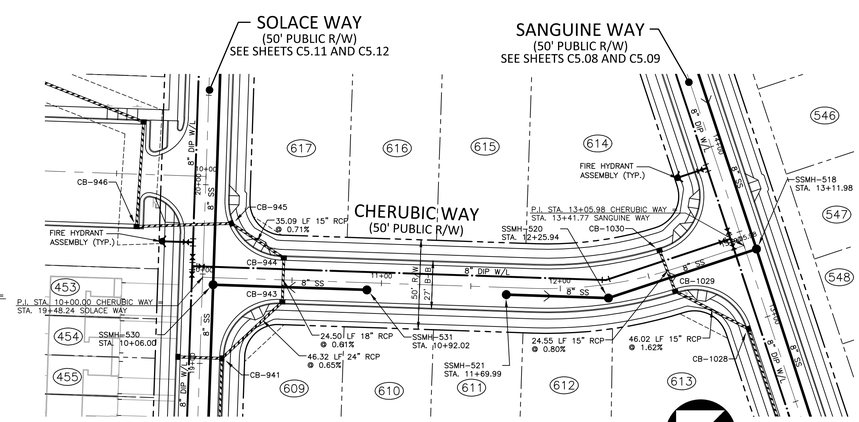
PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-02-P1
CHECKED BY	WTO
DRAWN BY	SRW
SCALE	1"=40'/1"=4'
DATE	07. 28. 2021

PLAN AND PROFILE
QUARRY ROAD "1", STA. 34+50 THRU STA. 43+00

C5.01

M:\Projects\AshtonWoods\AWH-20000\04-Production\Engineering\Construction Drawings\Current Drawings\AWH20000-CD-Pkg-02-P1.dwg, 8/2/2021 3:39:59 PM, Williams, Sherrill





GRAPHIC SCALE
0 20 40 80
1 inch = 40 ft.

(26) STORM DRAINAGE EASEMENT

CB-801
STA. ???
T/C=350.83
INV IN=340.40 (CB-806)
INV IN=346.00 (CB-802)
INV OUT=340.30

CB-806
STA. 14+07.25
T/C=350.83
INV IN=340.70 (CB-831)
INV IN=344.06 (CB-807)
INV OUT=340.60

CB-807
STA. 13+71.86
T/C=351.32
INV IN=344.53 (CB-808)
INV OUT=344.43

DI-809
STA. 13+76.05
T/G=350.95
INV OUT=346.70

CB-808
STA. 13+71.86
T/C=351.32
INV IN=344.77 (CB-810)
INV IN=346.60 (DI-809)
INV OUT=344.67

CB-810
STA. 12+83.30
T/C=353.94
INV IN=348.44 (CB-812)
INV IN=347.55 (DI-811)
INV OUT=345.31

DI-811
STA. 12+84.52
T/G=351.00
INV OUT=347.75

CB-812
STA. 12+51.15
T/C=355.94
INV IN=349.23 (CB-813)
INV OUT=348.74

CB-813
STA. 12+25.15
T/C=355.73
INV IN=349.90 (CB-815)
INV IN=352.10 (YI-814)
INV OUT=349.40

CB-815
STA. 11+92.46
T/C=355.39
INV IN=350.25 (CB-816)
INV OUT=350.16

CB-816
STA. 11+87.51
T/C=355.51
INV IN=350.50 (CB-817)
INV OUT=350.40

CB-817
STA. 10+45.35
T/C=360.34
INV IN=355.35 (CB-818)
INV OUT=355.25

CB-818
STA. 10+12.62
T/C=361.82
INV IN=356.25 (CB-820)
INV IN=357.40 (CB-819)
INV OUT=356.15

CB-819
STA. ???
T/C=361.82
INV OUT=357.55

CB-941
STA. 10+12.25
T/C=357.12
INV IN=352.70 (CB-942)
INV IN=349.10 (CB-943)
INV OUT=349.00

CB-943
STA. 10+45.00
T/C=358.19
INV IN=349.90 (CB-944)
INV OUT=349.40

CB-944
STA. 10+45.00
T/C=358.19
INV IN=350.30 (CB-945)
INV OUT=350.05

CB-945
STA. 10+15.07
T/C=358.49
INV IN=350.65 (CB-946)
INV OUT=350.55

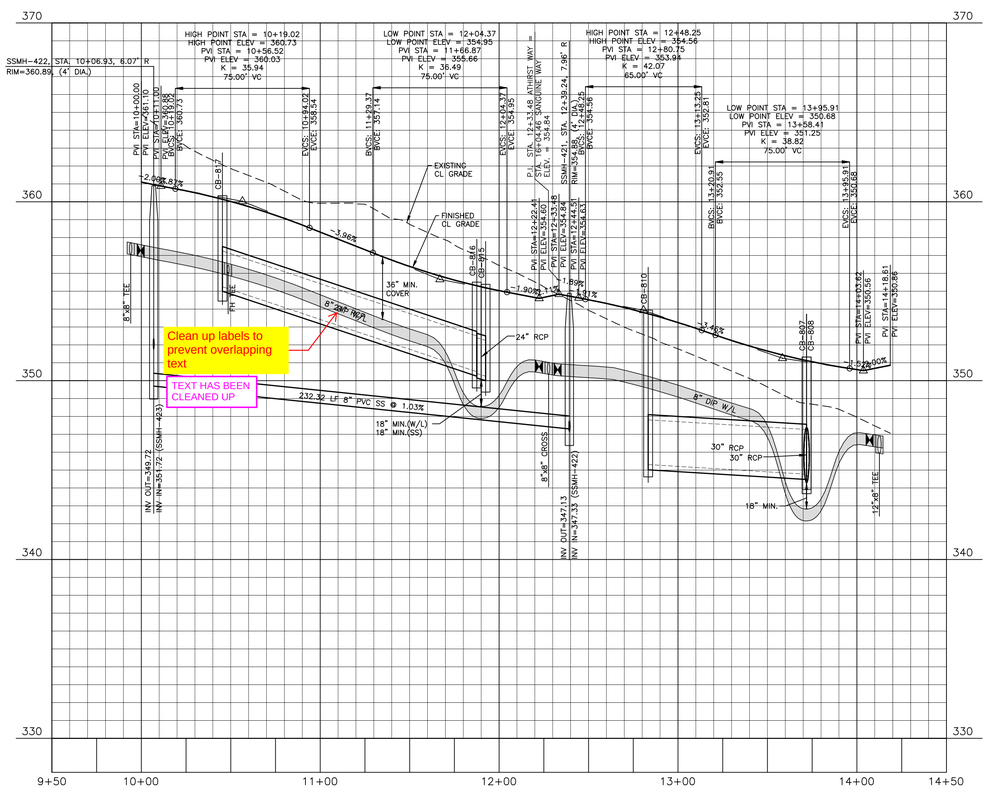
CB-946
STA. ???
T/C=358.75
INV IN=351.10 (CB-947)
INV OUT=351.00

CB-1028
STA. 12+93.73
T/C=355.66
INV IN=351.40 (CB-1029)
INV OUT=351.30

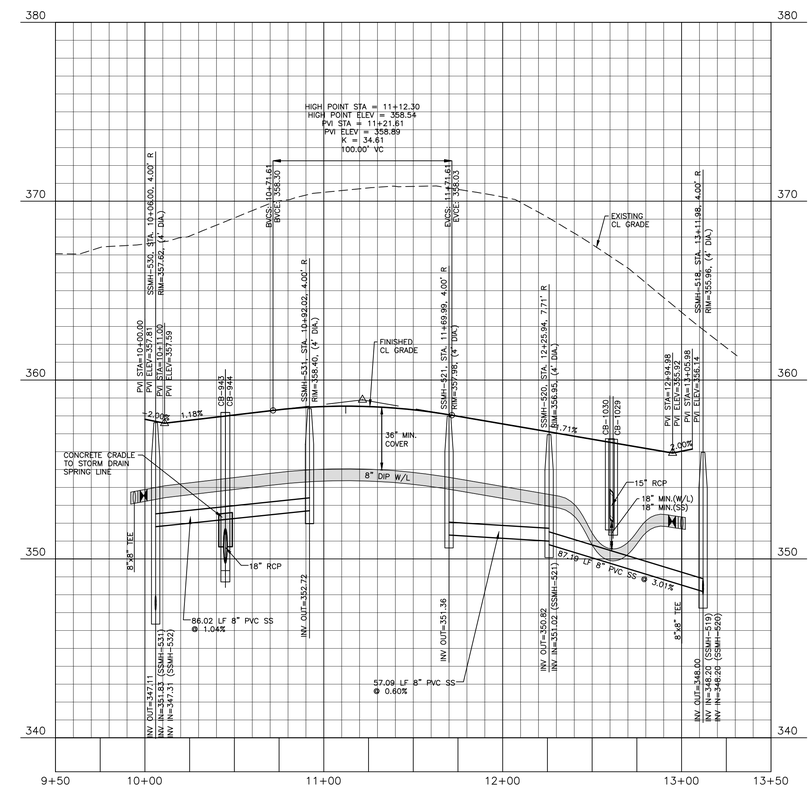
CB-1029
STA. 12+61.73
T/C=356.69
INV IN=352.25 (CB-1030)
INV OUT=352.15

CB-1030
STA. 12+59.92
T/C=356.72
INV OUT=352.45

ATHIRST WAY



CHERUBIC WAY



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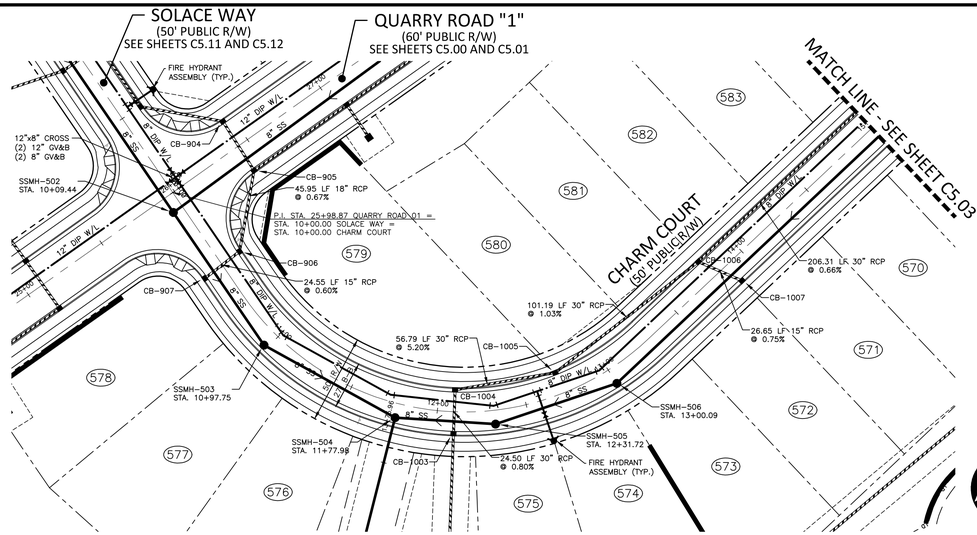
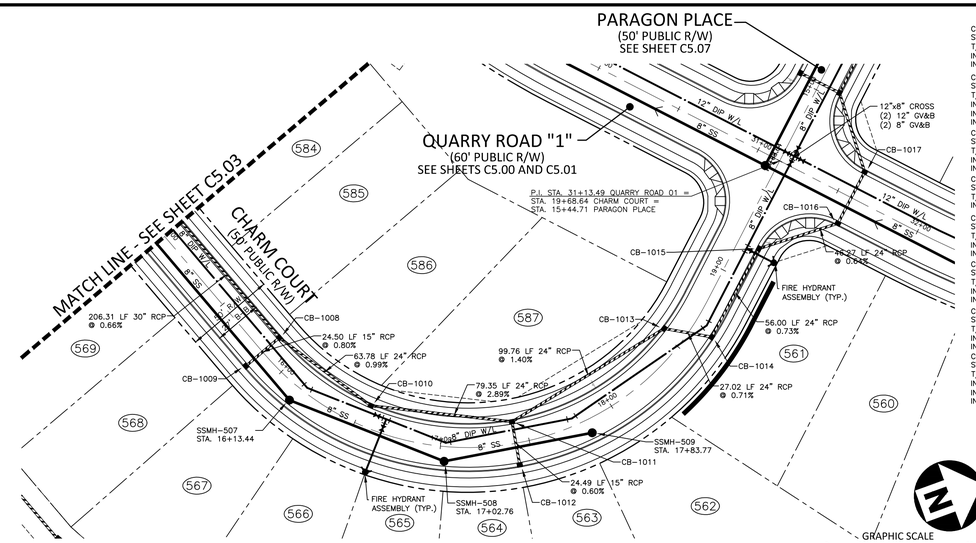
CHECKED BY	WTO
DRAWN BY	SRW
SCALE	1"=40'/1"=4'
DATE	07. 28. 2021

PLAN AND PROFILE
ATHIRST WAY, STA. 9+50 THRU STA. 14+50
CHERUBIC WAY, STA. 9+50 THRU STA. 13+50

C5.02

M:\Project\AshtonWoods\AWH-20000\04-Production\Engineering\Construction Drawings\Current Drawings\AWH20000-CD-Pkg-02-P1.dwg, 7/28/2021 9:57:51 AM, Williams, Sherrill





CB-904
STA. ???
T/C=330.10
INV IN=322.30 (CB-905)
INV OUT=322.20

CB-905
STA. 10+15.49
T/C=330.02
INV IN=325.00 (CB-908)
INV IN=323.35 (CB-906)
INV OUT=322.60

CB-906
STA. 10+48.26
T/C=328.34
INV IN=323.95 (CB-907)
INV OUT=323.65

CB-907
STA. 10+49.76
T/C=328.37
INV OUT=324.10

CB-1003
STA. 12+09.47
T/C=334.91
INV IN=329.10 (CB-1004)
INV OUT=329.00

CB-1004
STA. 12+09.47
T/C=334.91
INV IN=329.40 (CB-1005)
INV OUT=329.30

CB-1005
STA. 12+71.76
T/C=337.98
INV IN=332.45 (CB-1006)
INV OUT=332.35

CB-1006
STA. 13+78.35
T/C=341.70
INV IN=333.60 (CB-1008)
INV IN=337.40 (CB-1007)
INV OUT=333.50

CB-1007
STA. 13+88.83
T/C=341.87
INV OUT=337.60

CB-1008
STA. 15+84.66
T/C=340.47
INV IN=335.47 (CB-1010)
INV IN=336.00 (CB-1009)
INV OUT=334.95

CB-1009
STA. 15+84.66
T/C=340.47
INV OUT=336.20

CB-1010
STA. 16+54.69
T/C=341.20
INV IN=336.20 (CB-1011)
INV OUT=336.10

CB-1011
STA. 17+42.33
T/C=344.15
INV IN=338.60 (CB-1013)
INV IN=339.75 (CB-1012)
INV OUT=338.50

CB-1012
STA. 17+42.35
T/C=344.15
INV OUT=339.90

CB-1013
STA. 18+53.49
T/C=348.93
INV IN=340.10 (CB-1014)
INV OUT=340.00

CB-1014
STA. 18+64.90
T/C=349.38
INV IN=340.40 (CB-1015)
INV OUT=340.30

CB-1015
STA. 19+19.73
T/C=351.09
INV IN=340.90 (CB-1016)
INV OUT=340.80

CB-1016
STA. 19+52.48
T/C=353.41
INV IN=341.30 (CB-1017)
INV OUT=341.20

CB-1017
STA. ???
T/C=353.41
INV IN=341.60 (CB-1018)
INV OUT=341.50

SE STORM DRAINAGE EASEMENT

GRAPHIC SCALE
0 20 40 80
1 inch = 40 ft.

CHARM COURT

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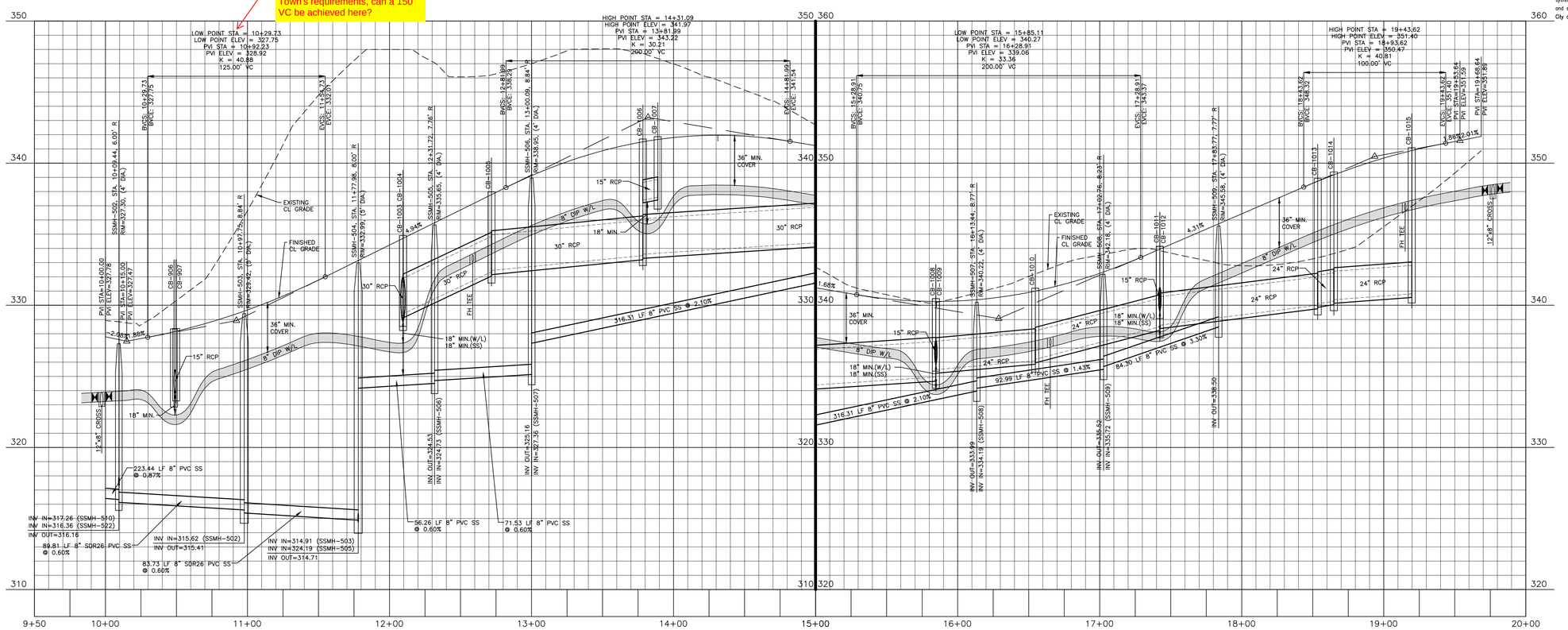
WE REVISED THIS VC TO 150 FT.

While recognizing this is a stopping condition, based on the Town's requirements, can a 150' VC be achieved here?



FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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

REVISIONS
NO. DATE

NORTH CAROLINA PROFESSIONAL SEAL 22630 ENGINEER WILLIAM T. O'DANIEL
FOR REVIEW AND COORDINATION NOT FOR CONSTRUCTION

THE POINT - PHASES 3, 4, 5, 7 AND 10

CONSTRUCTION DRAWINGS - PACKAGE 2

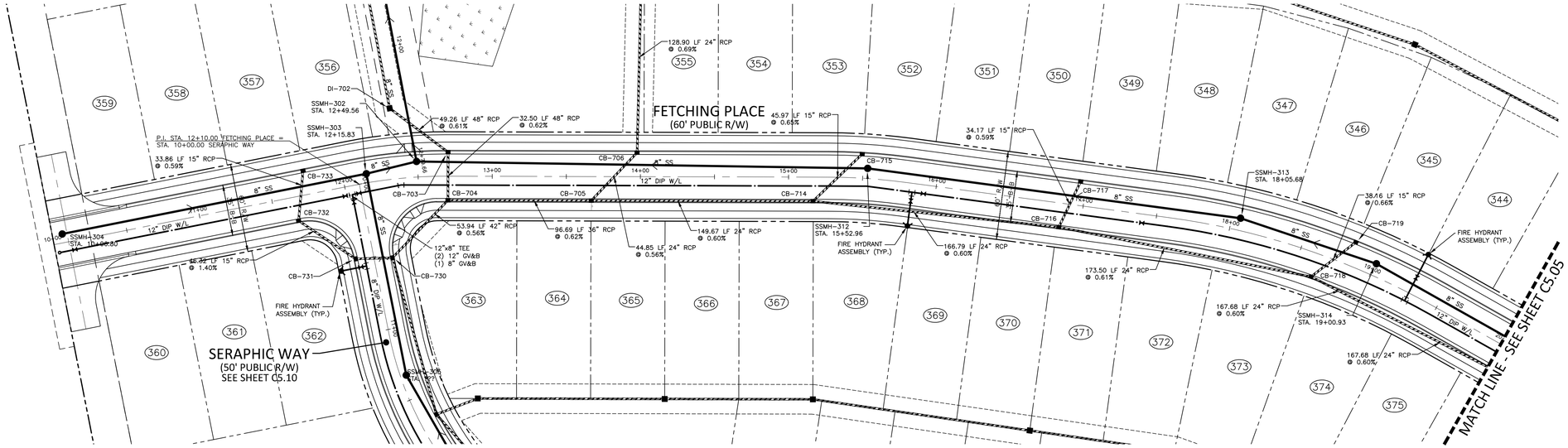
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,
WAKE COUNTY, NORTH CAROLINA

PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-02-P1
CHECKED BY	WTO
DRAWN BY	SRW
SCALE	1"=40'/1"=4'
DATE	07. 28. 2021

PLAN AND PROFILE
CHARM COURT, STA. 9+50 THRU STA. 20+00

C5.03



DI-702
STA. 12+35.71
T/G=338.50
INV IN=331.45 (CB-703)
INV OUT=331.35

CB-703
STA. 12+70.16
T/C=342.28
INV IN=331.85 (CB-704)
INV OUT=331.75

CB-704
STA. 12+70.16
T/C=342.28
INV IN=332.15 (CB-730)
INV IN=334.65 (CB-705)
INV OUT=332.05

CB-705
STA. 13+66.85
T/C=342.85
INV IN=337.05 (CB-714)
INV IN=335.35 (CB-706)
INV OUT=335.25

CB-706
STA. 13+97.75
T/C=343.17
INV IN=335.70 (DI-707)
INV OUT=335.60

CB-714
STA. 15+16.52
T/C=344.39
INV IN=338.05 (CB-716)
INV IN=340.15 (CB-715)
INV OUT=337.95

CB-715
STA. 15+48.77
T/C=344.72
INV OUT=340.45

CB-716
STA. 16+85.60
T/C=346.13
INV IN=339.15 (CB-718)
INV IN=341.80 (CB-717)
INV OUT=339.05

CB-717
STA. 16+96.15
T/C=346.24
INV OUT=342.00

CB-718
STA. 18+62.93
T/C=347.95
INV IN=340.30 (CB-720)
INV IN=343.65 (CB-719)
INV OUT=340.20

CB-719
STA. 18+82.93
T/C=348.16
INV OUT=343.90

CB-730
STA. 12+25.33
T/C=341.91
INV IN=332.55 (CB-734)
INV IN=337.45 (CB-731)
INV OUT=332.45

CB-731
STA. 11+97.75
T/C=341.96
INV IN=337.70 (CB-732)
INV OUT=337.60

CB-732
STA. 11+65.00
T/C=343.03
INV IN=338.45 (CB-733)
INV OUT=338.35

CB-733
STA. 11+74.50
T/C=342.90
INV OUT=338.65

FETCHING PLACE

CITY OF RALEIGH – PLANS AUTHORIZED FOR CONSTRUCTION

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City of Raleigh Review Officer

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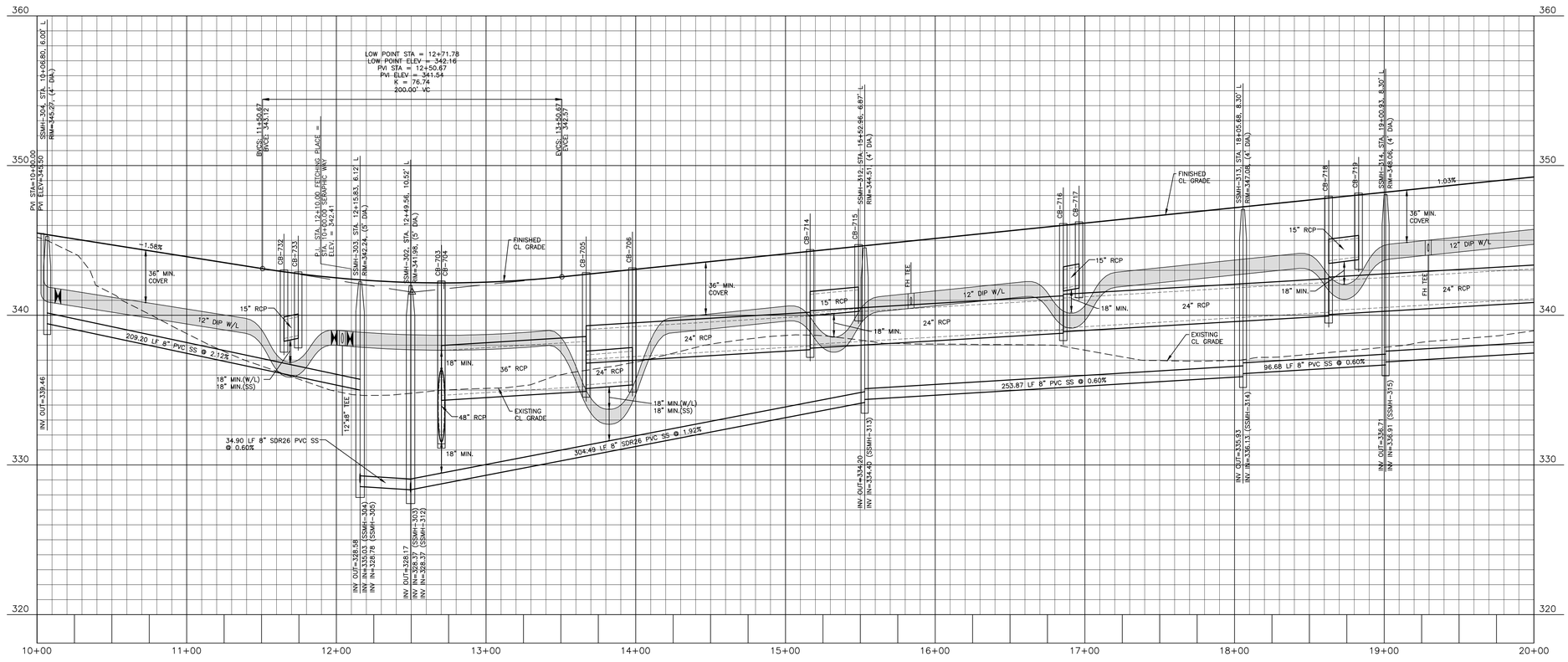

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

M:\Projects\AshtonWoods\AWH-20000\04-Production\Engineering\Construction Drawings\Current Drawings\AWH20000-CD-Pkg-02-P2.dwg, 8/7/2021 3:26:42 PM, Williams, Sherrill

MCADAMS

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ASHTON WOODS

REVISIONS
NO. DATE

NORTH CAROLINA PROFESSIONAL SEAL 22630 ENGINEER WILLIAM T. O'DANIEL
FOR REVIEW AND COORDINATION PURPOSES ONLY
NOT FOR CONSTRUCTION

THE POINT - PHASES 3, 4, 5, 7 AND 10

CONSTRUCTION DRAWINGS - PACKAGE 2

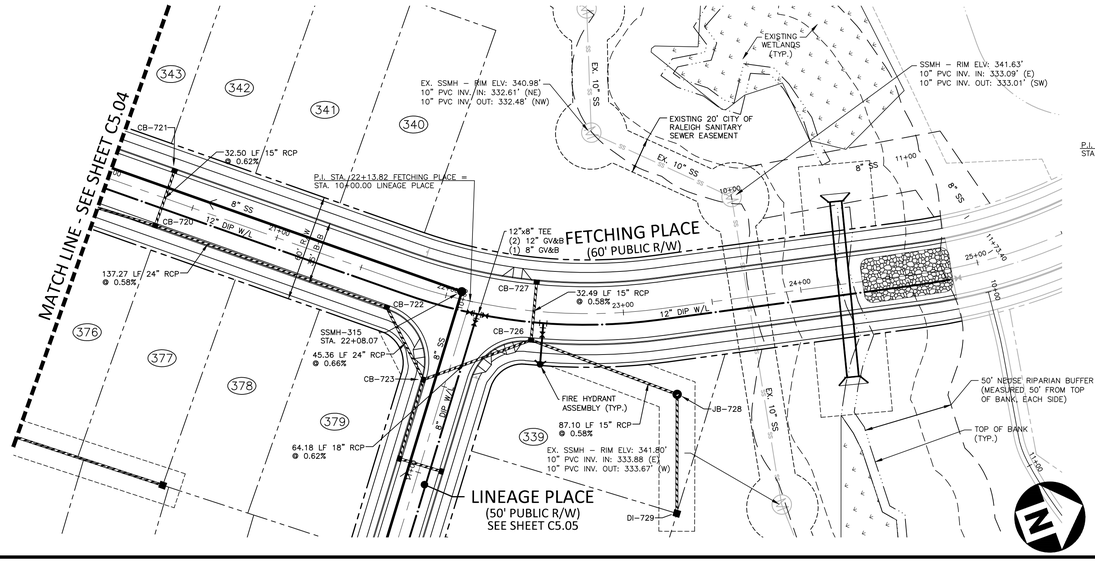
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,
WAKE COUNTY, NORTH CAROLINA

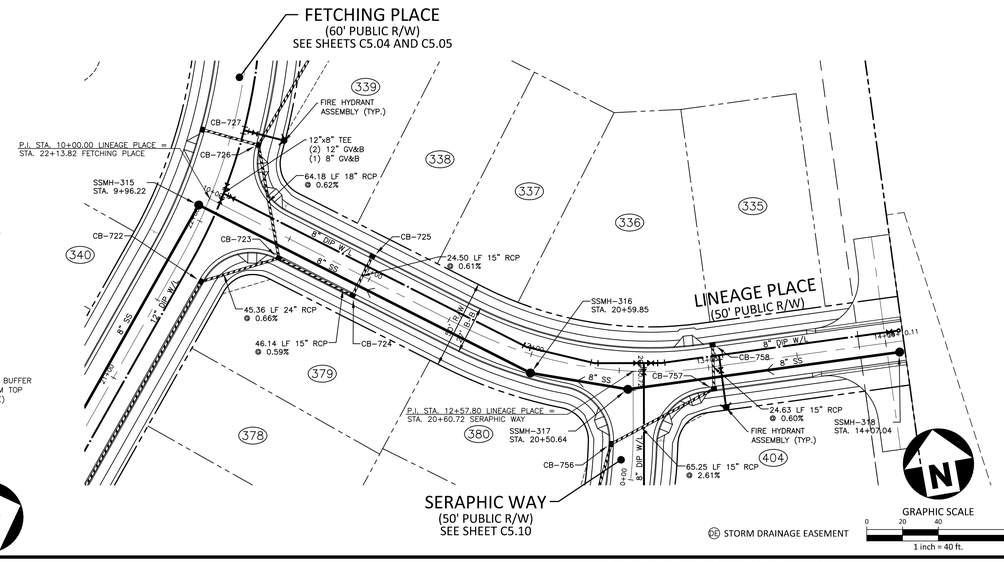
PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-02-P1
CHECKED BY	WTO
DRAWN BY	SRW
SCALE	1"=40'/1"=4'
DATE	07. 28. 2021

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

C5.04

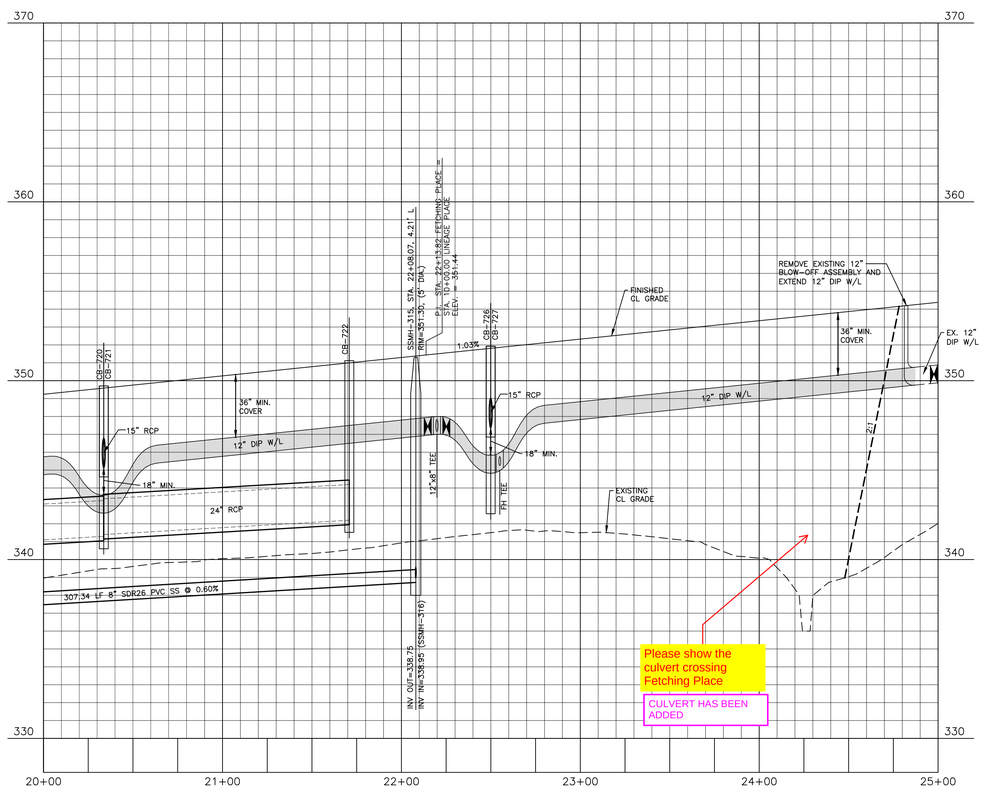




CB-720 STA. 20+33.65 T/C=349.71 INV IN=341.40 (CB-722) INV IN=345.25 (CB-721) INV OUT=341.30	CB-726 STA. 22+49.93 T/C=351.93 INV IN=347.49 (CB-727) INV IN=343.35 (JB-728) INV OUT=343.25
CB-721 STA. 20+33.65 T/C=349.71 INV OUT=345.45	CB-727 STA. 22+49.93 T/C=351.93 INV OUT=347.68
CB-722 STA. 21+70.92 T/C=351.12 INV IN=342.30 (CB-723) INV OUT=342.20	JB-728 STA. 23+23.70 RIM=351.24 INV IN=343.95 (DI-729) INV OUT=343.85
CB-723 STA. 21+99.76 T/C=350.90 INV IN=342.85 (CB-726) INV IN=345.96 (CB-724) INV OUT=342.60	DI-729 STA. 23+16.40 T/C=347.62 INV OUT=344.35

CB-722 STA. 10+16.80 T/C=351.12 INV IN=342.30 (CB-723) INV OUT=342.20	CB-727 STA. 9+79.03 T/C=351.93 INV OUT=347.68
CB-723 STA. 10+49.59 T/C=350.90 INV IN=342.85 (CB-726) INV IN=345.96 (CB-724) INV OUT=342.60	CB-756 STA. 12+48.78 T/C=353.14 INV IN=348.90 (CB-757) INV OUT=348.80
CB-724 STA. 10+95.72 T/C=350.73 INV IN=346.33 (CB-725) INV OUT=346.23	CB-757 STA. 13+01.45 T/C=355.05 INV IN=350.70 (CB-758) INV OUT=350.60
CB-725 STA. 10+95.72 T/C=350.73 INV OUT=346.48	CB-758 STA. 13+03.97 T/C=355.12 INV OUT=350.85
CB-726 STA. 10+10.88 T/C=351.93 INV IN=347.49 (CB-727) INV IN=343.35 (JB-728) INV OUT=343.25	

FETCHING PLACE



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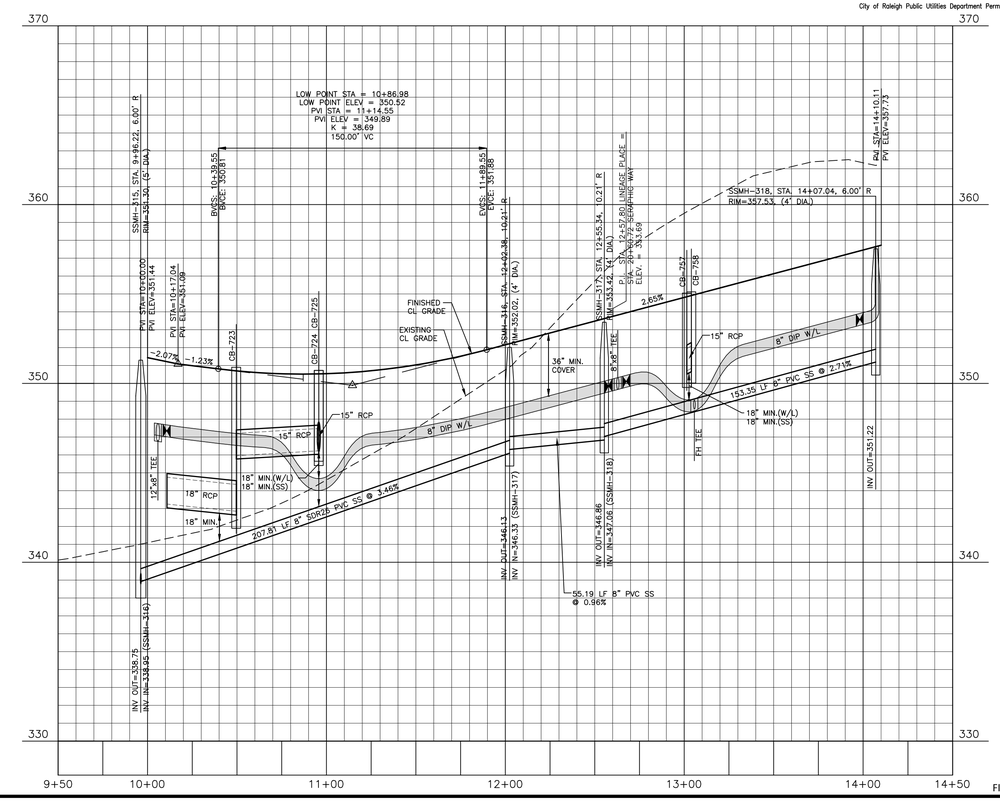
LINEAGE PLACE



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REVISIONS
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THE POINT - PHASES 3, 4, 5, 7 AND 10

CONSTRUCTION DRAWINGS - PACKAGE 2

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

PLAN INFORMATION

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FILENAME	AWH20000-CD-PKG-02-P1
CHECKED BY	WTO
DRAWN BY	SRW
SCALE	1"=40'/1"=4'
DATE	07. 28. 2021

PLAN AND PROFILE
FETCHING PLACE, STA. 20+00 THRU STA. 25+00
LINEAGE PLACE, STA. 9+50 THRU STA. 14+50

C5.05

OUTFALL – 1
STA. 9+52.52
???=385.00
INV IN=380.50 (JB-1501)

CB-1423
STA. 13+38.65
T/C=387.62
INV IN=380.35 (CB-1430)
INV IN=380.35 (CB-1424)
INV OUT=380.25

CB-1424
STA. 13+07.14
T/C=387.26
INV IN=380.80 (CB-1425)
INV OUT=380.70

CB-1425
STA. 12+28.94
T/C=386.63
INV IN=381.40 (CB-1427)
INV IN=382.15 (CB-1426)
INV OUT=381.30

CB-1426
STA. 12+28.94
T/C=386.63
INV OUT=382.35

CB-1427
STA. 10+65.59
T/C=388.35
INV IN=383.85 (CB-1428)
INV IN=383.55 (CB-1427A)
INV IN=382.55 (CB-1429)
INV OUT=382.45

CB-1428
STA. 10+67.45
T/C=388.32
INV OUT=384.05

CB-1429
STA. 10+66.26
T/C=387.28
INV OUT=383.00

CB-1430
STA. 13+52.56
T/C=388.77
INV IN=382.10 (CB-1435)
INV IN=381.60 (DI-1431)
INV OUT=381.20

CB-1435
STA. 13+85.07
T/C=388.78
INV IN=382.95 (CB-1437)
INV IN=383.35 (DI-1436)
INV OUT=382.50

CB-1437
STA. 14+17.80
T/C=388.46
INV IN=384.20 (CB-1439)
INV IN=384.05 (CB-1438)
INV OUT=383.35

CB-1438
STA. 14+17.06
T/C=388.45
INV OUT=384.20

CB-1439
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T/C=390.04
INV IN=385.80 (CB-1442)
INV IN=385.65 (CB-1440)
INV IN=385.20 (DI-1441)
INV OUT=385.10

CB-1440
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T/C=390.04
INV OUT=385.80

CB-1442
STA. 16+48.21
T/C=390.96
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INV OUT=386.55

CB-1443
STA. 16+58.83
T/C=391.07
INV OUT=386.80

JB-1501
STA. 9+78.50
RIM=388.83
INV IN=380.80 (JB-1502)
INV OUT=380.70

JB-1502
STA. 10+60.01
RIM=388.54
INV IN=381.50 (JB-1503)
INV OUT=381.40

JB-1503
STA. 11+27.09
RIM=387.66
INV IN=382.00 (JB-1504)
INV OUT=381.90

CB-1405
STA. 10+13.97
T/C=385.87
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INV IN=378.65 (CB-1406)
INV IN=375.75 (CB-1408)
INV OUT=375.65

CB-1408
STA. 10+46.76
T/C=385.50
INV IN=376.10 (CB-1409)
INV OUT=376.00

CB-1409
STA. 11+85.57
T/C=384.94
INV IN=379.25 (CB-1410)
INV IN=376.95 (CB-1412)
INV OUT=376.85

CB-1410
STA. 11+93.81
T/C=384.82
INV IN=379.70 (DI-1411)
INV OUT=379.45

CB-1412
STA. 12+27.59
T/C=384.36
INV IN=377.30 (CB-1413)
INV OUT=377.20

CB-1413
STA. 13+27.55
T/C=383.12
INV IN=378.75 (DI-1416)
INV IN=378.00 (CB-1414)
INV OUT=377.90

DI-1416
STA. 13+54.85
T/C=381.97
INV IN=379.20 (DI-1417)
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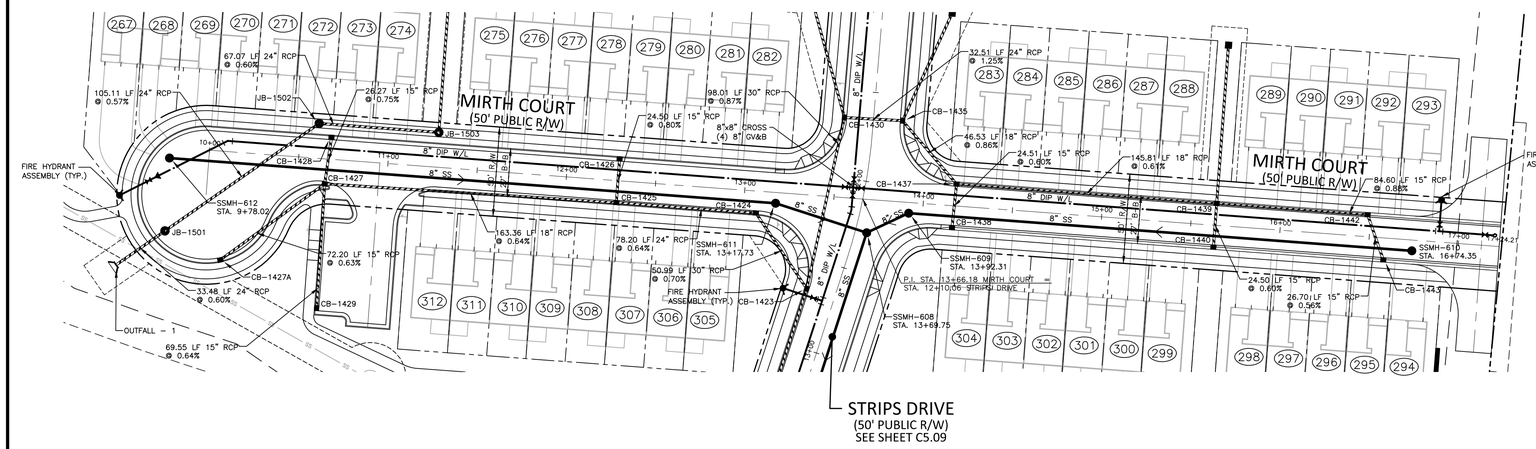
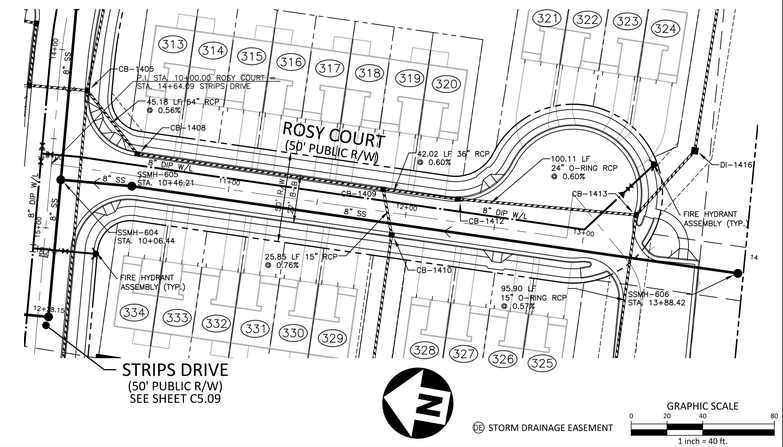
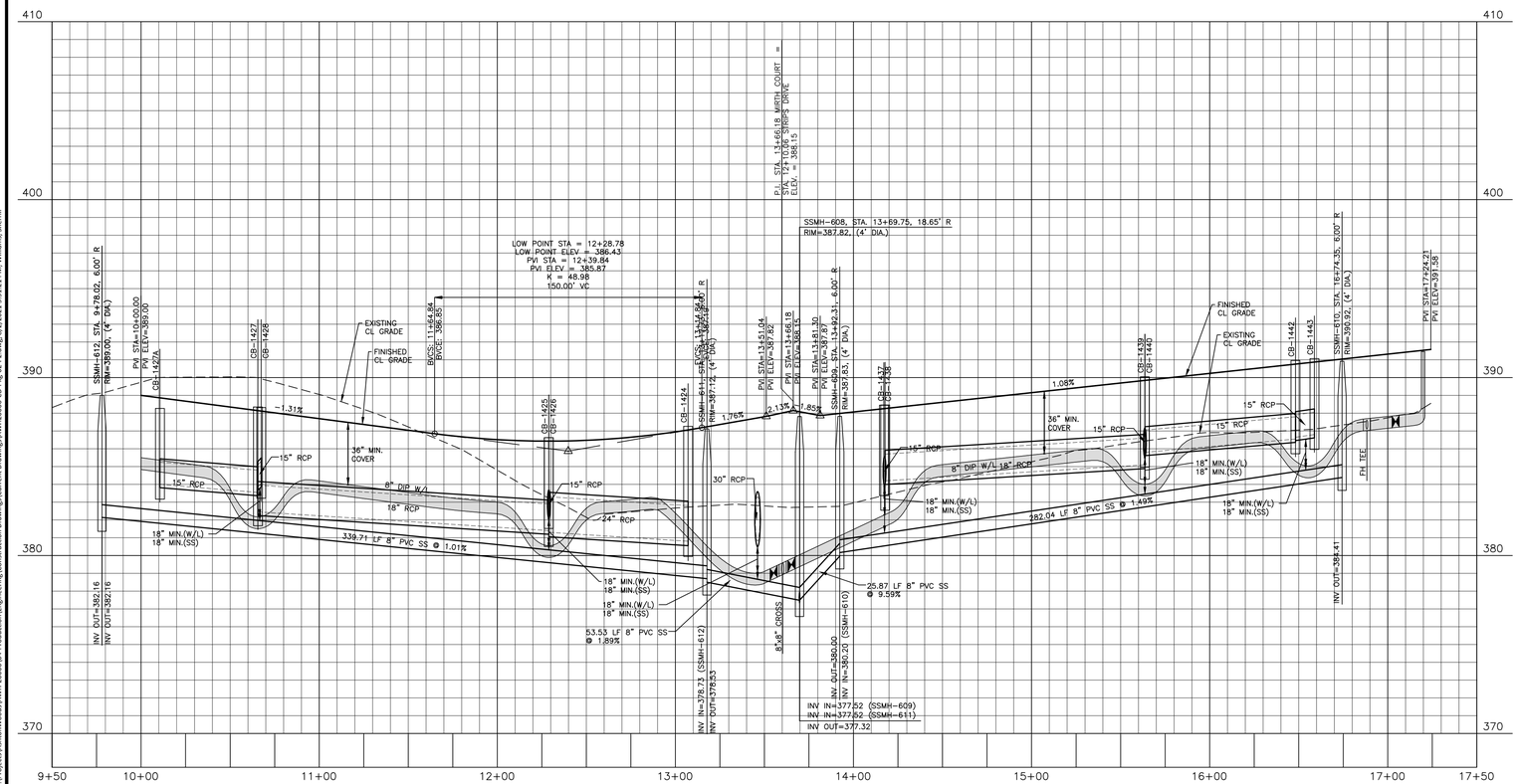




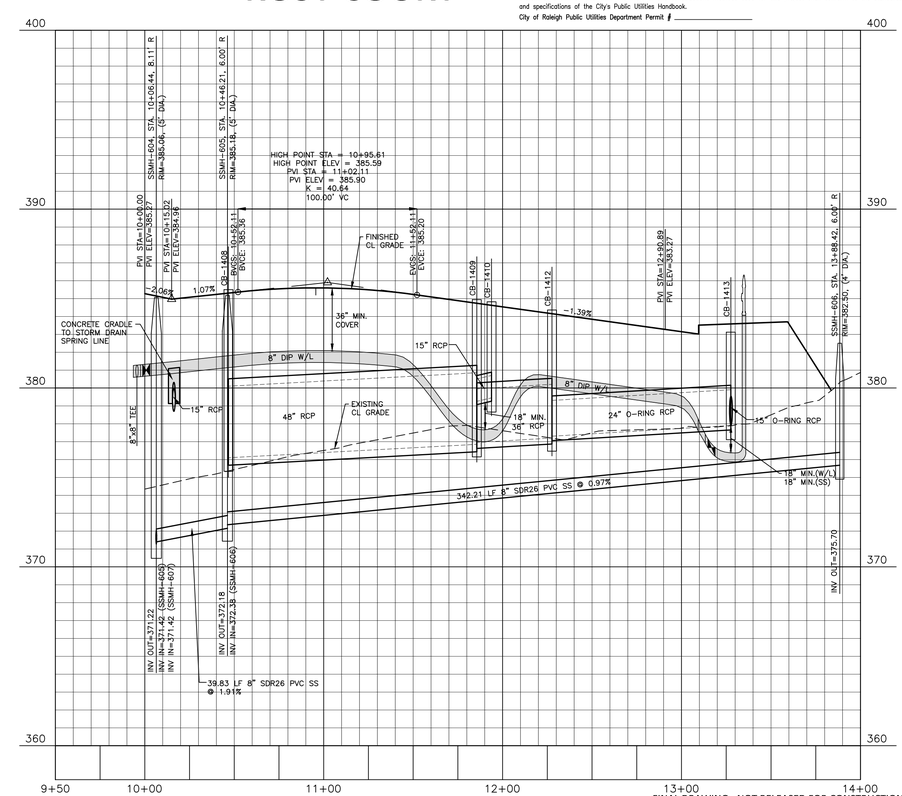
DE STORM DRAINAGE EASEMENT

GRAPHIC SCALE
0 20 40 80
1 inch = 40 ft.

MIRTH COURT



ROSY COURT



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THE POINT - PHASES 3, 4, 5, 7 AND 10

CONSTRUCTION DRAWINGS - PACKAGE 2

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PLAN AND PROFILE
MIRTH COURT, STA. 10+00 THRU STA. 17+50
ROSY COURT, STA. 9+50 THRU STA. 13+00

C5.06

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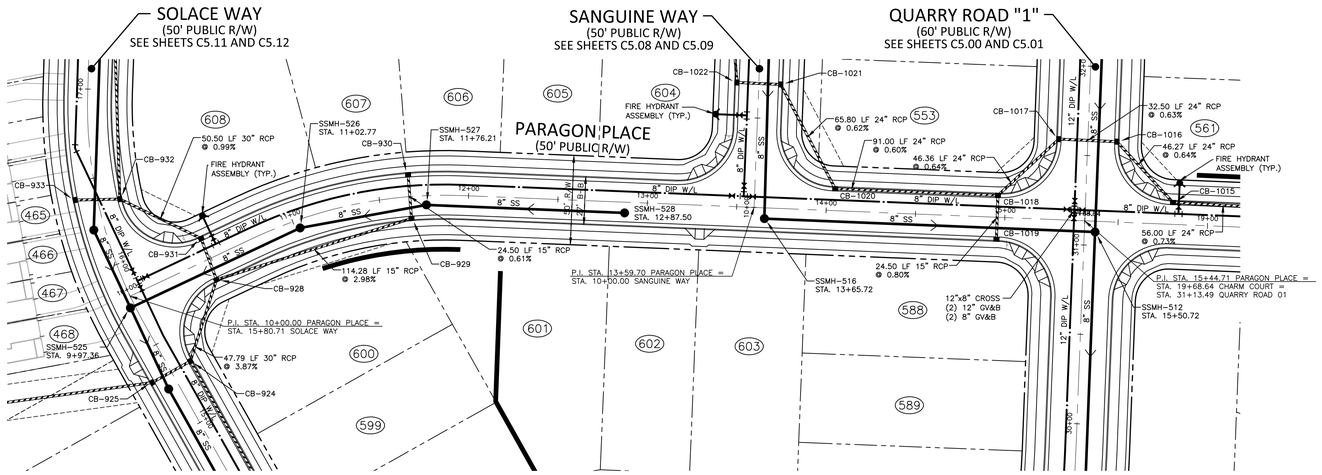

CB-924
STA. 10+15.02
T/C=342.19
INV IN=336.65 (CB-928)
INV IN=337.65 (CB-925)
INV OUT=336.05

CB-925
STA. 9+90.58
T/C=342.19
INV IN=337.95 (DI-926)
INV OUT=337.85

CB-928
STA. 10+47.58
T/C=344.93
INV IN=338.60 (CB-931)
INV IN=340.65 (CB-929)
INV OUT=338.50

CB-929
STA. 11+67.13
T/C=348.58
INV IN=344.15 (CB-930)
INV OUT=344.05

CB-930
STA. 11+67.12
T/C=348.58
INV OUT=344.30

CB-931
STA. 10+49.63
T/C=344.97
INV IN=338.95 (CB-932)
INV OUT=338.85

CB-932
STA. 10+17.91
T/C=347.03
INV IN=339.55 (CB-934)
INV IN=342.75 (CB-933)
INV OUT=339.45

CB-933
STA. 9+95.11
T/C=347.26
INV OUT=343.00

CB-1015
STA. ???
T/C=351.09
INV IN=340.90 (CB-1016)
INV OUT=340.80

CB-1016
STA. 15+60.86
T/C=353.41
INV IN=341.30 (CB-1017)
INV OUT=341.20

CB-1017
STA. 15+28.36
T/C=353.41
INV IN=341.60 (CB-1018)
INV OUT=341.50

CB-1018
STA. 14+95.62
T/C=352.18
INV IN=342.00 (CB-1020)
INV IN=347.70 (CB-1019)
INV OUT=341.90

CB-1019
STA. 14+95.79
T/C=352.18
INV OUT=347.90

CB-1020
STA. 14+04.62
T/C=353.19
INV IN=342.65 (CB-1021)
INV OUT=342.55

CB-1021
STA. 13+71.81
T/C=352.68
INV IN=343.15 (CB-1022)
INV OUT=343.05

CB-1022
STA. 13+47.31
T/C=352.68
INV IN=343.45 (CB-1023)
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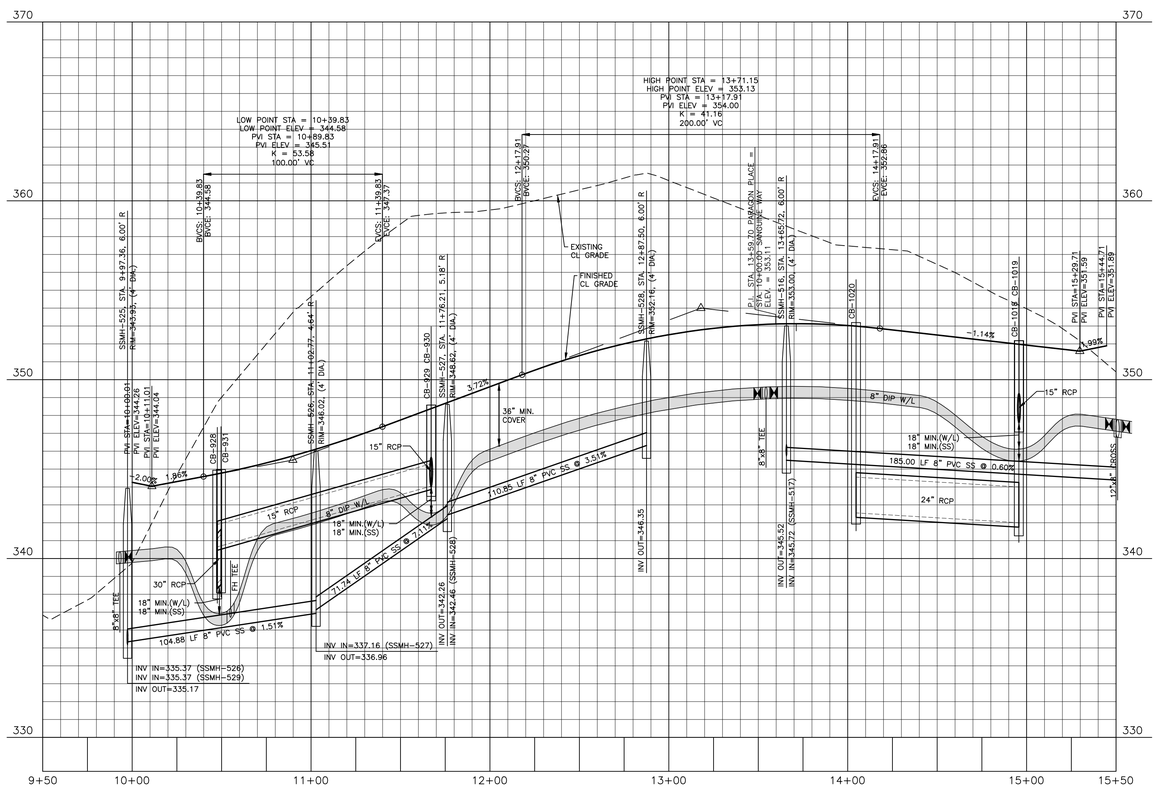
PARAGON PLACE



CITY OF RALEIGH – PLANS AUTHORIZED FOR CONSTRUCTION

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City of Raleigh Review Officer

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FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS

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

ASHTON WOODS

REVISIONS
NO. DATE

NORTH CAROLINA PROFESSIONAL SEAL 22630 ENGINEER WILLIAM T. O'DANIEL
NOT VALID WITHOUT ORIGINAL SEAL OR SIGNATURE

THE POINT - PHASES 3, 4, 5, 7 AND 10

CONSTRUCTION DRAWINGS - PACKAGE 2

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

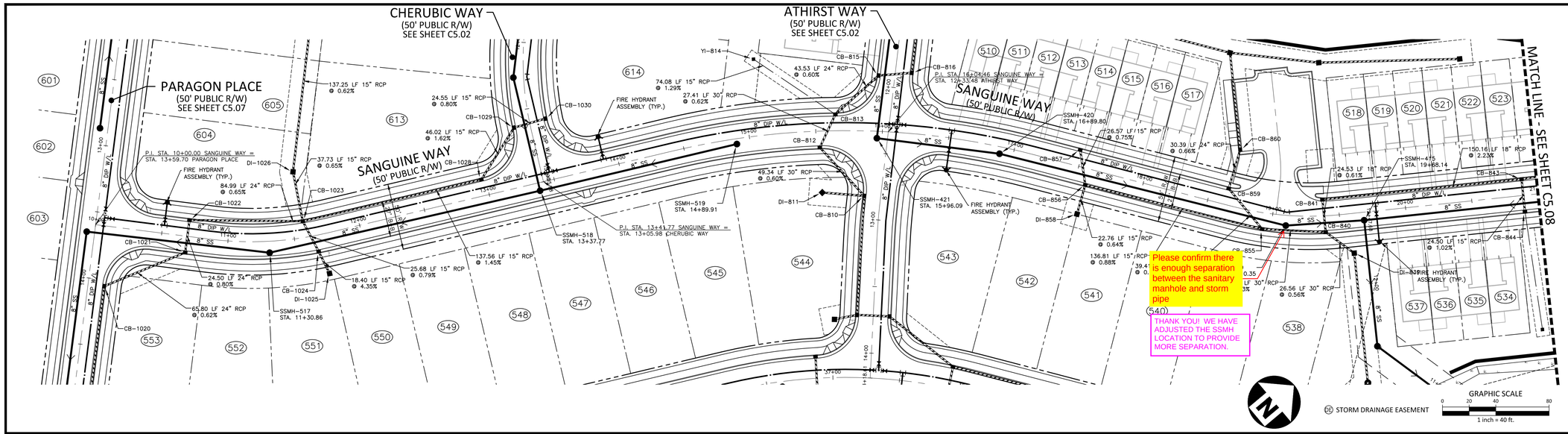
PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-02-P1
CHECKED BY	WTO
DRAWN BY	SRW
SCALE	1"=40'/1"=4'
DATE	07. 28. 2021

PLAN AND PROFILE
PARAGON PLACE, STA. 9+50 THRU STA. 15+50

C5.07

M:\Projects\AshtonWoods\AWH-20000\04-Production\Engineering\Construction Drawings\Current Drawings\AWH20000-CD-Pkg-02-P2.dwg, 7/28/2021 10:12:07 AM, Williams, Sherrill



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INV IN=347.55 (DI-811)
INV OUT=345.31

DI-811
STA. 15+53.30
T/G=351.00
INV OUT=347.75

CB-812
STA. 15+52.60
T/C=355.94
INV IN=349.23 (CB-813)
INV OUT=348.74

CB-813
STA. 15+64.90
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INV IN=349.90 (CB-815)
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INV IN=344.00 (CB-840)
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CB-841
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CB-844
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T/C=355.51
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INV OUT=350.15

CB-855
STA. 18+93.75
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DI-1025
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T/G=353.79
INV OUT=350.50

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CB-1028
STA. 12+96.77
T/C=355.66
INV IN=351.40 (CB-1029)
INV OUT=351.30

CB-1029
STA. 13+29.59
T/C=356.69
INV IN=352.25 (CB-1030)
INV OUT=352.15

CB-1030
STA. 13+54.11
T/C=356.72
INV OUT=352.45

SANGUINE WAY

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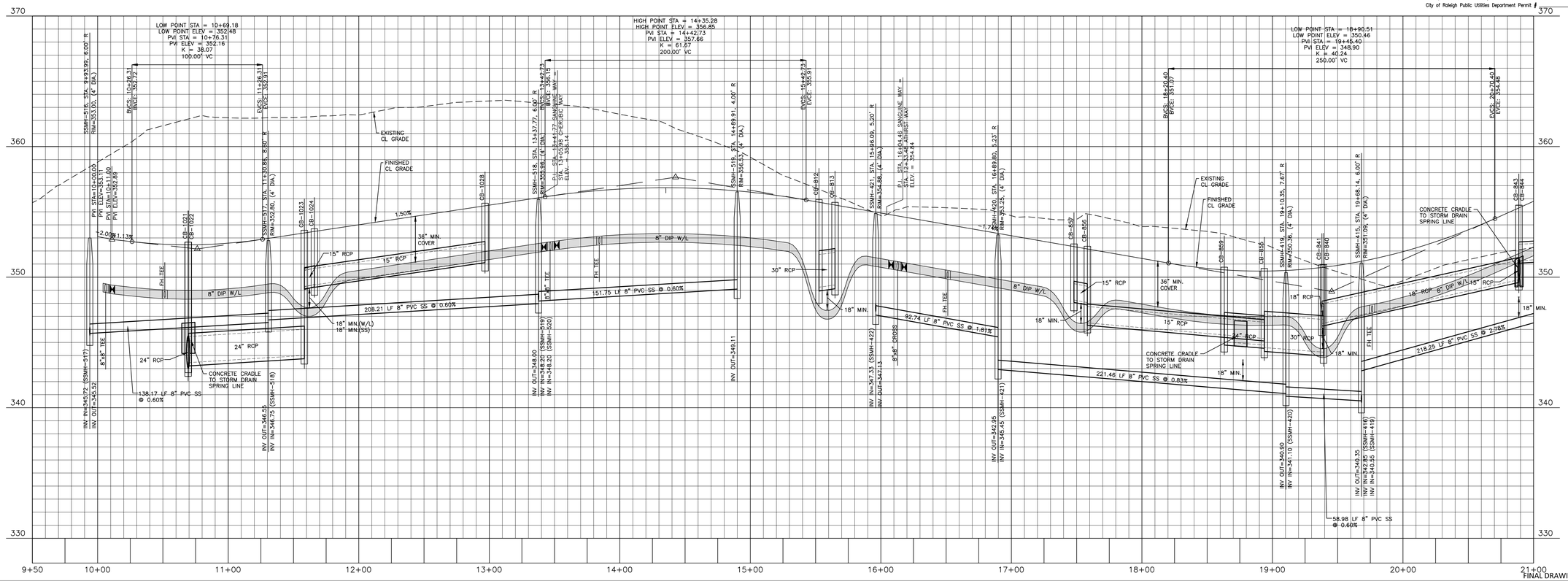

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CONTACT: BOB MISHLER

ASHTON WOODS.

REVISIONS
NO. DATE

NORTH CAROLINA PROFESSIONAL SEAL 22630 ENGINEER WILLIAM T. O'DANIEL
NOT FOR CONSTRUCTION UNTIL SEALED

THE POINT - PHASES 3, 4, 5, 7 AND 10

CONSTRUCTION DRAWINGS - PACKAGE 2

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

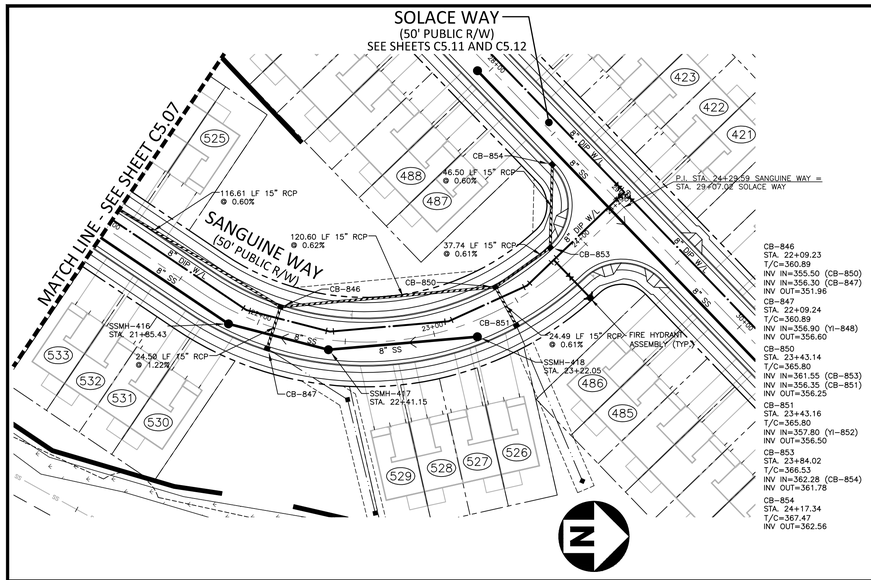
PLAN INFORMATION

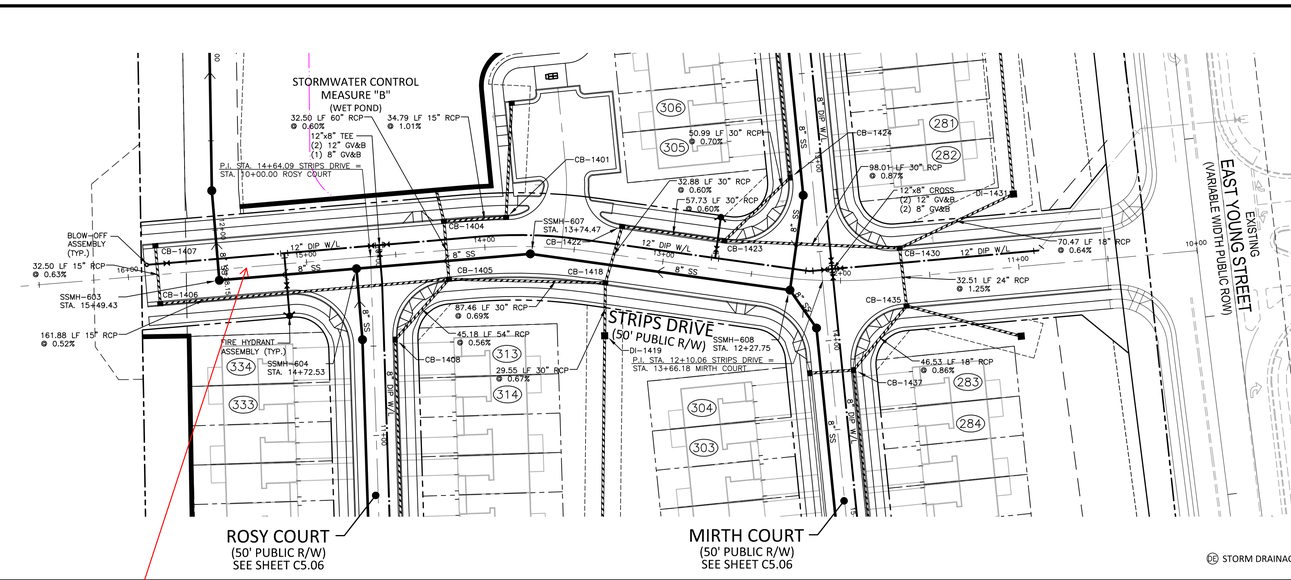
PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-02-P1
CHECKED BY	WTO
DRAWN BY	SRW
SCALE	1"=40'/1"=4'
DATE	07. 28. 2021

PLAN AND PROFILE
SANGUINE WAY, STA. 9+50 THRU STA. 21+00

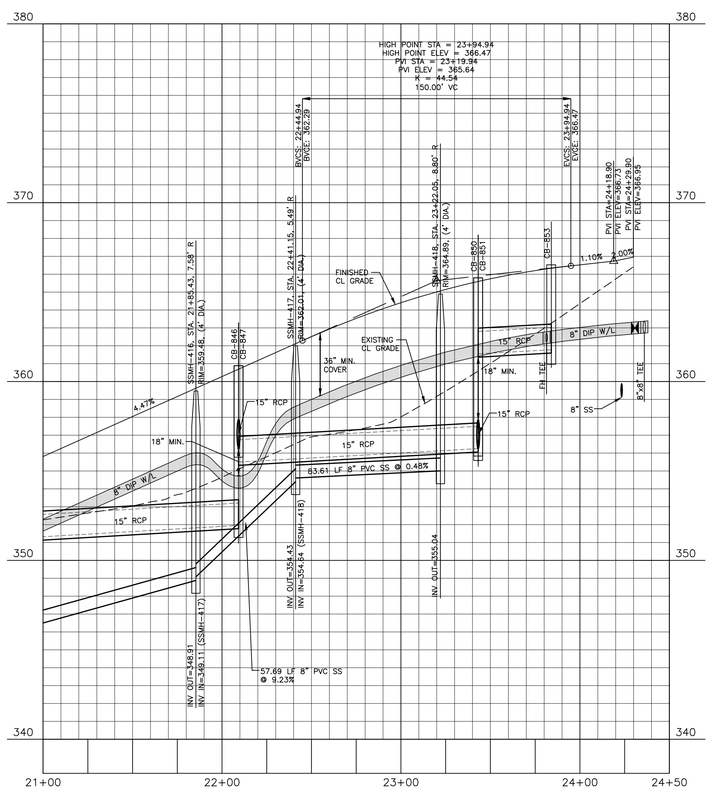
C5.08

M:\Project\AshtonWoods\AWH-20000\04-Production\Engineering\Construction Drawings\Current Drawings\AWH20000-CD-Pkg-02-P1.dwg, 7/28/2021 10:19:20 AM, Williams, Sherrill





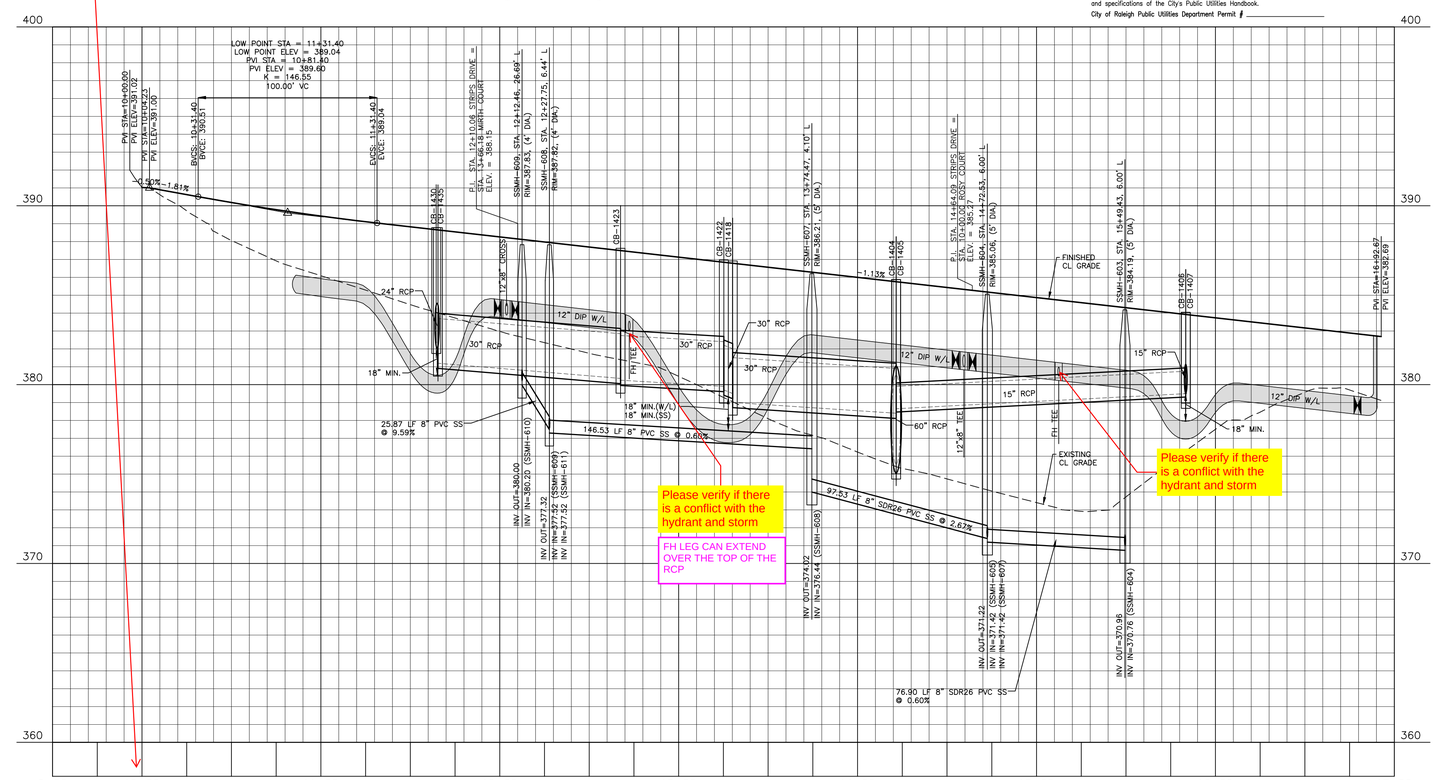
SANGUINE WAY



Plan view and profile view are reversed for stationing

THANK YOU! THE ORDER HAS BEEN CORRECTED.

STRIPS DRIVE



Please verify if there is a conflict with the hydrant and storm

FH LEG CAN EXTEND OVER THE TOP OF THE RCP

Please verify if there is a conflict with the hydrant and storm

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M:\Projects\AshtonWoods\AWH-20000\04-Production\Engineering\Construction Drawings\Current Drawings\AWH20000-CD-Pkg-02-P1.dwg, 8/27/2021 2:46:38 PM, Williams, Sherrill

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ASHTON WOODS

REVISIONS
NO. DATE

NORTH CAROLINA PROFESSIONAL SEAL 22630 ENGINEER WILLIAM T. O'DANIEL
NOT FOR CONSTRUCTION

THE POINT - PHASES 3, 4, 5, 7 AND 10

CONSTRUCTION DRAWINGS - PACKAGE 2

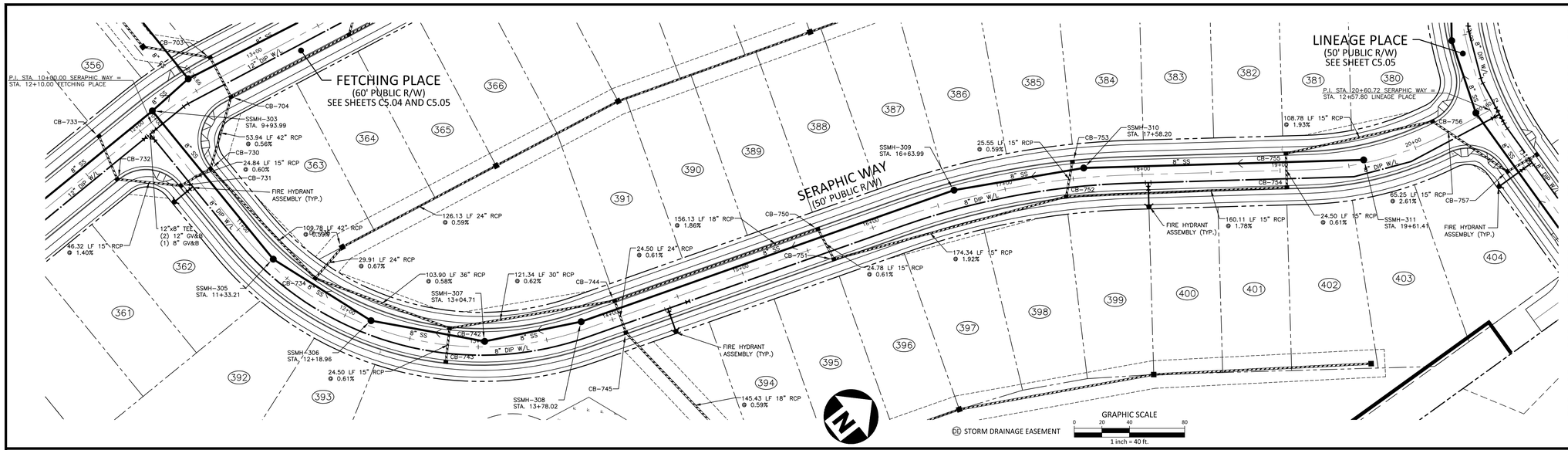
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,
WAKE COUNTY, NORTH CAROLINA

PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-02-P1
CHECKED BY	WTO
DRAWN BY	SRW
SCALE	1"=40'/1"=4'
DATE	07. 28. 2021

PLAN AND PROFILE
SANGUINE WAY, STA. 21+00 THRU STA. 24+50
STRIPS DRIVE, STA. 9+50 THRU STA. 17+00

C5.09



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INV OUT=331.75

CB-704
STA. 10+22.28
T/C=342.28
INV IN=332.15 (CB-730)
INV IN=334.65 (CB-705)
INV OUT=332.05

CB-730
STA. 10+53.07
T/C=341.91
INV IN=332.55 (CB-734)
INV IN=337.45 (CB-731)
INV OUT=332.45

CB-731
STA. 10+48.99
T/C=341.96
INV IN=337.70 (CB-732)
INV OUT=337.60

CB-732
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T/C=343.03
INV IN=338.45 (CB-733)
INV OUT=338.35

CB-733
STA. 9+83.74
T/C=342.90
INV OUT=338.65

CB-734
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T/C=340.73
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CB-742
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CB-743
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T/C=339.94
INV OUT=335.70

CB-744
STA. 14+05.97
T/C=341.17
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INV OUT=334.75

CB-745
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INV OUT=339.95

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INV IN=343.50 (CB-753)
INV OUT=343.40

CB-753
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INV OUT=343.65

CB-754
STA. 19+04.58
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INV OUT=346.35

CB-755
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INV OUT=346.60

CB-756
STA. 20+19.72
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INV OUT=348.80

CB-757
STA. 20+50.87
T/C=355.05
INV IN=350.70 (CB-758)
INV OUT=350.60

SERAPHIC WAY

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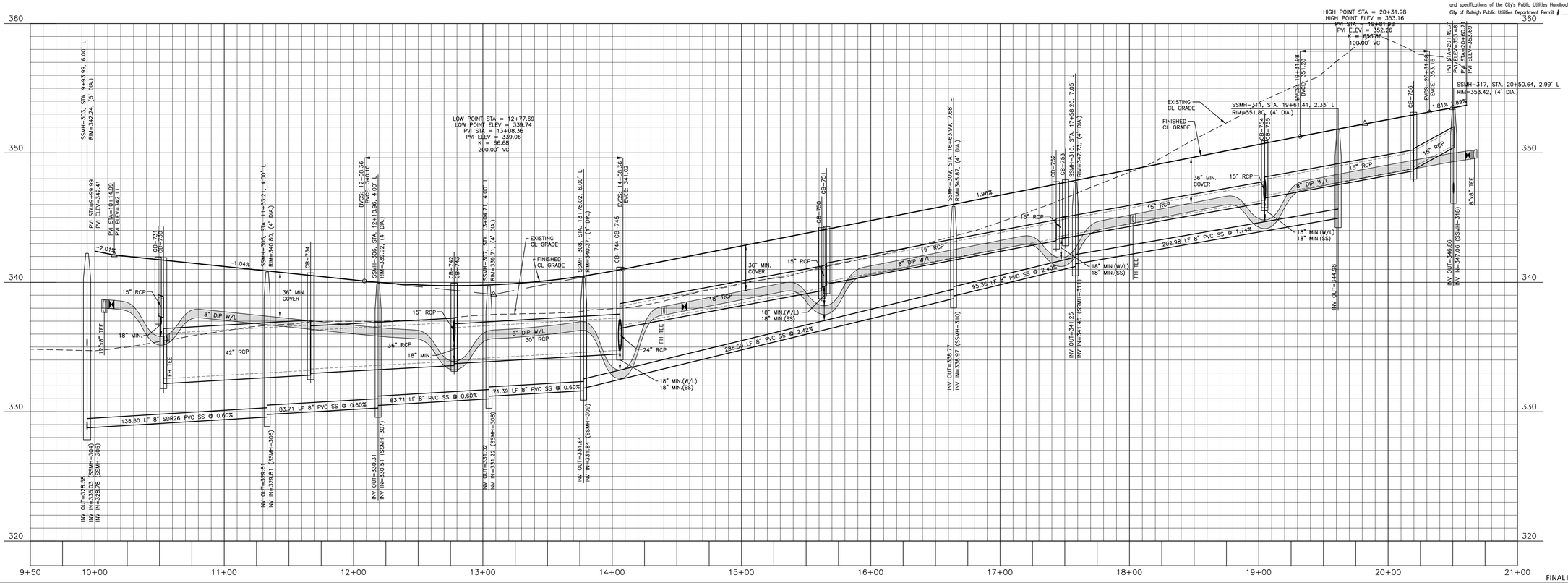

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

M:\Projects\AshtonWoods\AWH-20000\04-Production\Engineering\Construction Drawings\Current Drawings\AWH20000-CD-Pkg-02-P3.dwg, 8/27/2021 2:47:43 PM, Williams, Sherrill

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ASHTON WOODS

REVISIONS
NO. DATE

NORTH CAROLINA PROFESSIONAL SEAL 22630 ENGINEER WILLIAM T. O'DANIEL
FOR REVIEW AND COORDINATION PURPOSES ONLY
NOT FOR CONSTRUCTION

THE POINT - PHASES 3, 4, 5, 7 AND 10

CONSTRUCTION DRAWINGS - PACKAGE 2

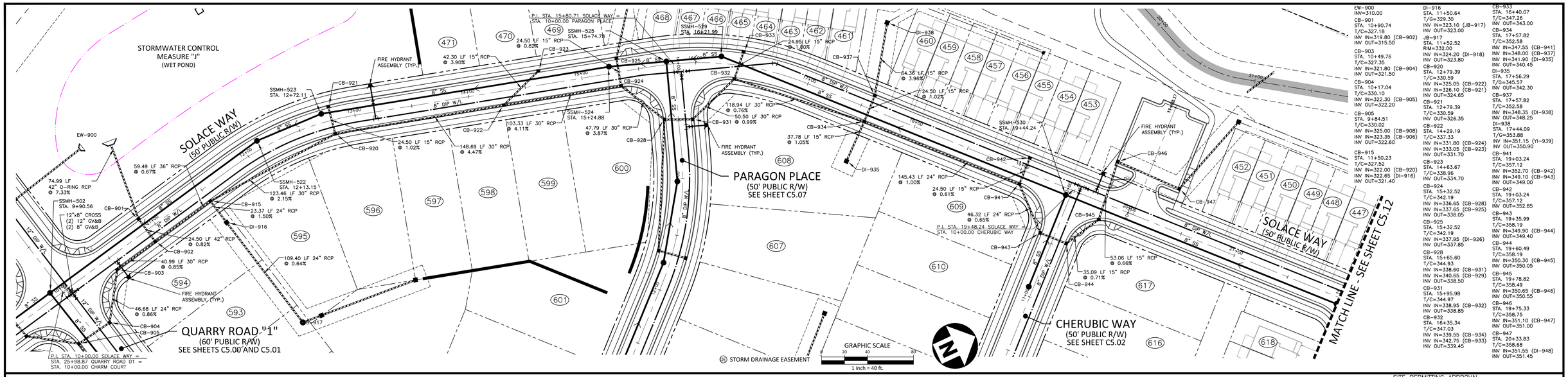
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,
WAKE COUNTY, NORTH CAROLINA

PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-02-P1
CHECKED BY	WTO
DRAWN BY	SRW
SCALE	1"=40'/1"=4'
DATE	07. 28. 2021

PLAN AND PROFILE
SERAPHIC WAY, STA. 9+50 THRU STA. 21+00

C5.10



SOLACE WAY

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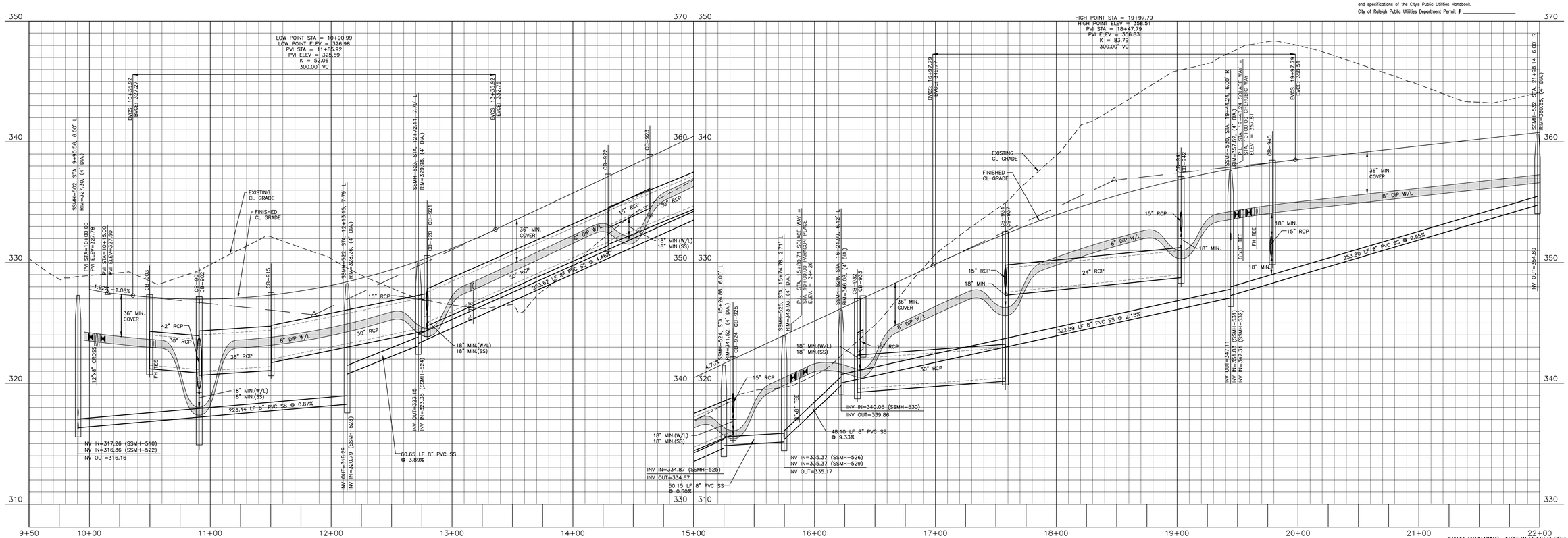

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REVISIONS
NO. DATE

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

THE POINT - PHASES 3, 4, 5, 7 AND 10

CONSTRUCTION DRAWINGS - PACKAGE 2

TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,
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PLAN INFORMATION

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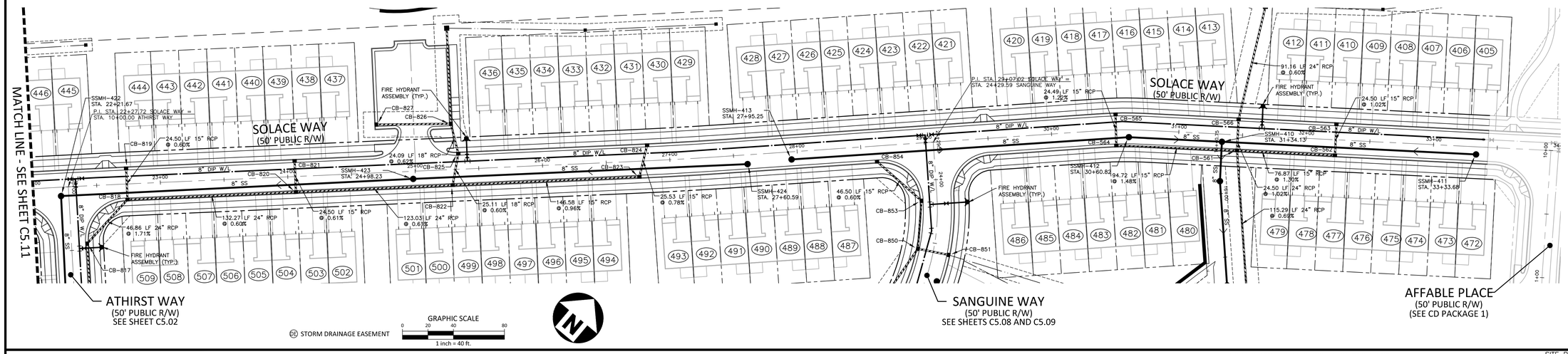
CHECKED BY	WTO
DRAWN BY	SRW
SCALE	1"=40'/1"=4'
DATE	07. 28. 2021

PLAN AND PROFILE
SOLACE WAY, STA. 9+50 THRU STA. 22+00

C5.11



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INV IN=355.95 (DI-567)
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CB-817
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T/C=360.34
INV IN=355.35 (CB-818)
INV OUT=355.25
CB-818
STA. 22+73.66
T/C=361.82
INV IN=356.25 (CB-820)
INV IN=357.40 (CB-819)
INV OUT=356.15
CB-819
STA. 22+73.66
T/C=361.82
INV OUT=357.55
CB-820
STA. 24+05.93
T/C=363.30
INV IN=357.15 (CB-822)
INV IN=358.90 (CB-821)
INV OUT=357.05
CB-821
STA. 24+05.93
T/C=363.30
INV OUT=359.05
CB-822
STA. 25+28.95
T/C=364.69
INV IN=360.45 (CB-823)
INV IN=358.10 (CB-825)
INV OUT=357.90
CB-823
STA. 26+75.52
T/C=366.33
INV IN=361.95 (CB-824)
INV OUT=361.85
CB-824
STA. 26+82.70
T/C=366.42
INV OUT=362.15
CB-825
STA. 25+34.45
T/C=364.75
INV IN=358.35 (CB-826)
INV OUT=358.25
CB-826
STA. 25+29.70
T/C=364.99
INV IN=358.60 (DI-828)
INV IN=360.20 (CB-827)
INV OUT=358.50
CB-827
STA. 24+71.20
T/C=364.82
INV OUT=360.55
CB-854
STA. 28+62.02
T/C=367.47
INV OUT=362.56
CB-853
STA. 28+94.71
T/C=366.53
INV IN=362.28 (CB-854)
INV OUT=361.78
CB-850
STA. 28+89.30
T/C=365.80
INV IN=361.55 (CB-853)
INV IN=356.35 (CB-851)
INV OUT=356.25
CB-561
STA. 31+46.30
T/C=361.94
INV IN=355.60 (CB-566)
INV IN=357.10 (CB-564)
INV IN=357.00 (CB-562)
INV OUT=355.50
CB-562
STA. 32+23.17
T/C=361.13
INV IN=358.10 (CB-563)
INV OUT=358.00
CB-563
STA. 32+23.17
T/C=361.13
INV OUT=358.35
CB-564
STA. 30+50.64
T/C=364.43
INV IN=358.60 (CB-565)
INV OUT=358.50
CB-565
STA. 30+50.64
T/C=364.43
INV OUT=358.90

SOLACE WAY

CITY OF RALEIGH – PLANS AUTHORIZED FOR CONSTRUCTION

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City of Raleigh Review Officer

SITE PERMITTING APPROVAL

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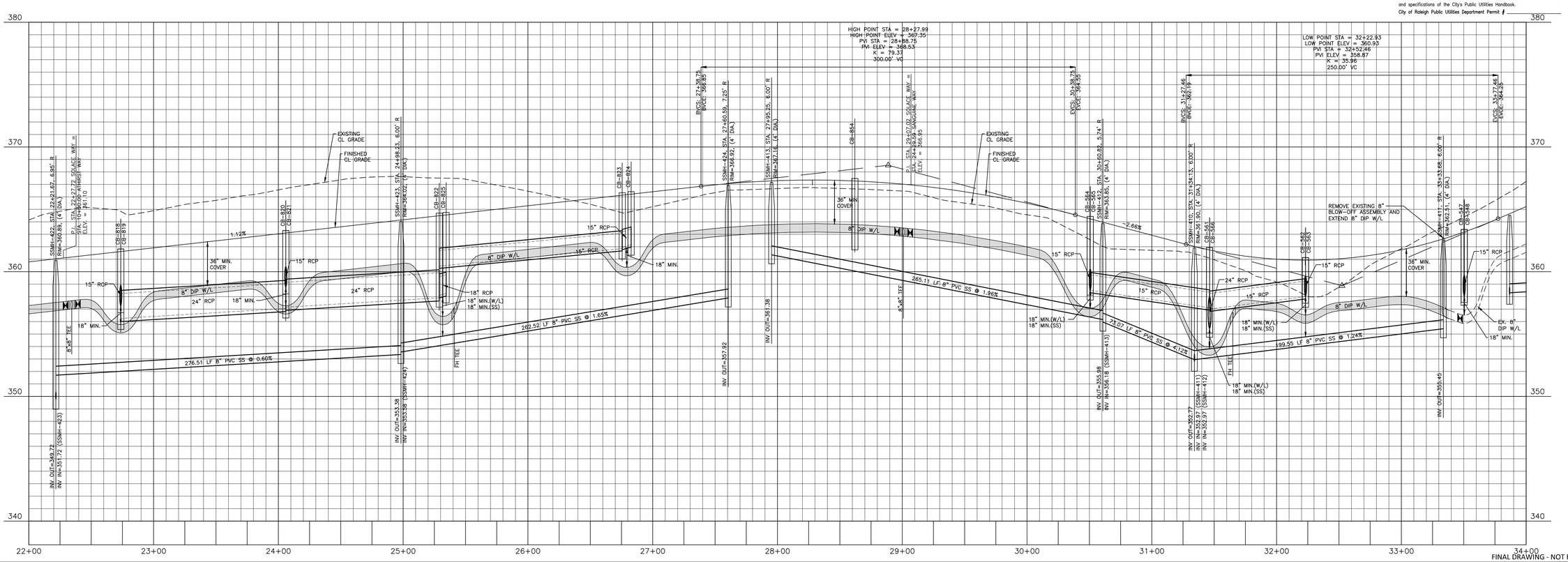
City of Raleigh Public Utilities Department Permit # _____



FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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

REVISIONS
NO. DATE

NORTH CAROLINA PROFESSIONAL SEAL 22630 ENGINEER WILLIAM T. O'DANIEL
NOT FOR CONSTRUCTION

THE POINT - PHASES 3, 4, 5, 7 AND 10

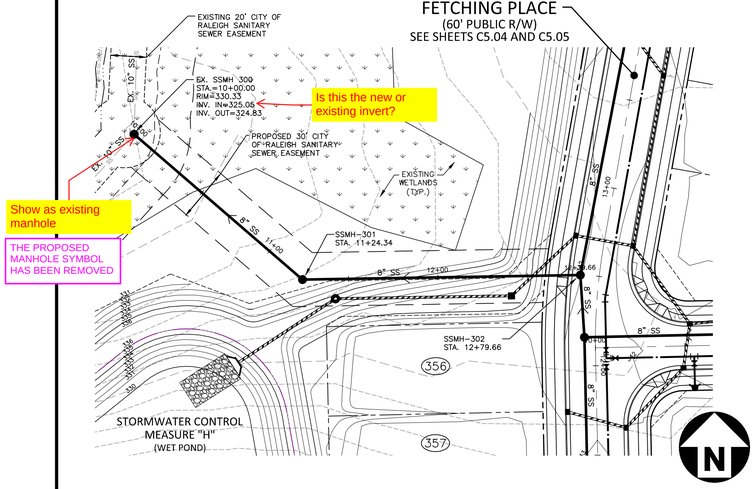
CONSTRUCTION DRAWINGS - PACKAGE 2
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,
WAKE COUNTY, NORTH CAROLINA

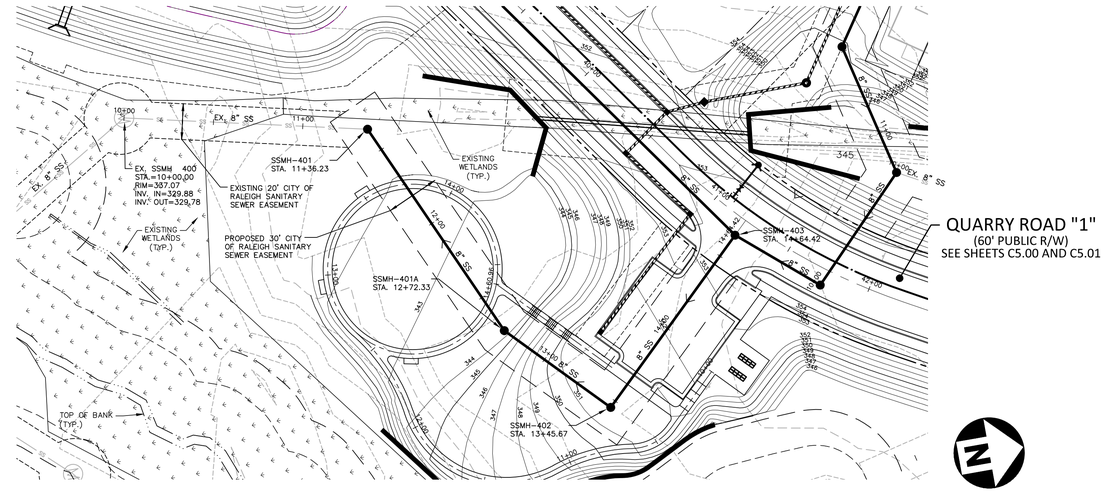
PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-02-P1
CHECKED BY	WTO
DRAWN BY	SRW
SCALE	1"=40'/1"=4'
DATE	07. 28. 2021

PLAN AND PROFILE
SOLACE WAY, STA. 22+00 THRU STA. 34+00

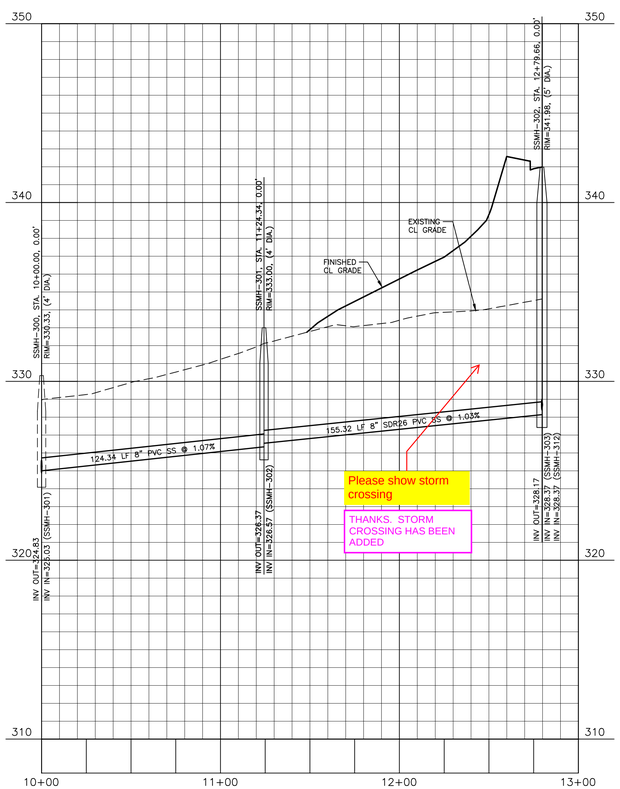
C5.12





GRAPHIC SCALE
0 20 40 80
1 inch = 40 ft.

SANITARY SEWER O/F "D"



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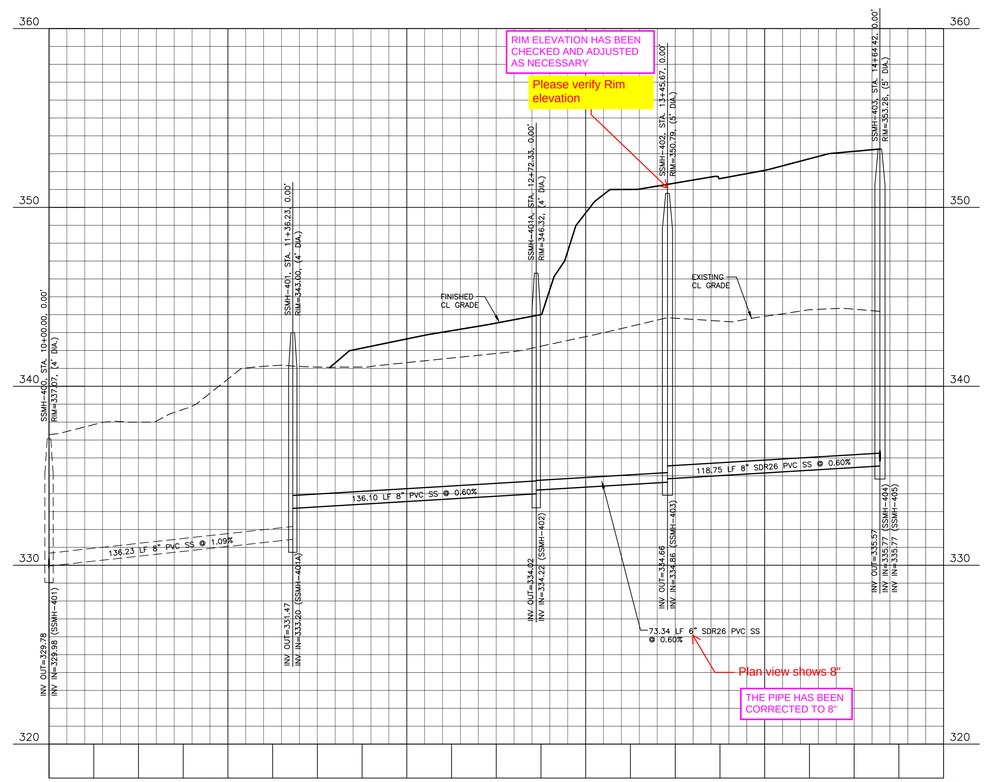

It was noticed that some outfalls are set 2' above finished grade while others are not. Please confirm if all outfalls should be set 2' above grade.

IN MAINTAINED AREAS, THE OUTFALL RIMS ARE AT GRADE. AT NON-MAINTAINED AREAS, THE RIMS ARE SET AT LEAST 1 FOOT ABOVE GRADE PER RALEIGH STANDARDS.

CITY OF RALEIGH – PLANS AUTHORIZED FOR CONSTRUCTION

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M:\Projects\AshtonWoods\AWH-20000\04-Production\Engineering\Construction Drawings\Current Drawings\AWH20000-CD-Pkg-02-P4.dwg, 8/12/2021 2:56:02 PM, Williams, Sherrill

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ASHTON WOODS

REVISIONS
NO. DATE

NORTH CAROLINA PROFESSIONAL SEAL 22630 ENGINEER WILLIAM T. O'DANIEL
NOT FOR CONSTRUCTION

THE POINT - PHASES 3, 4, 5, 7 AND 10

CONSTRUCTION DRAWINGS - PACKAGE 2

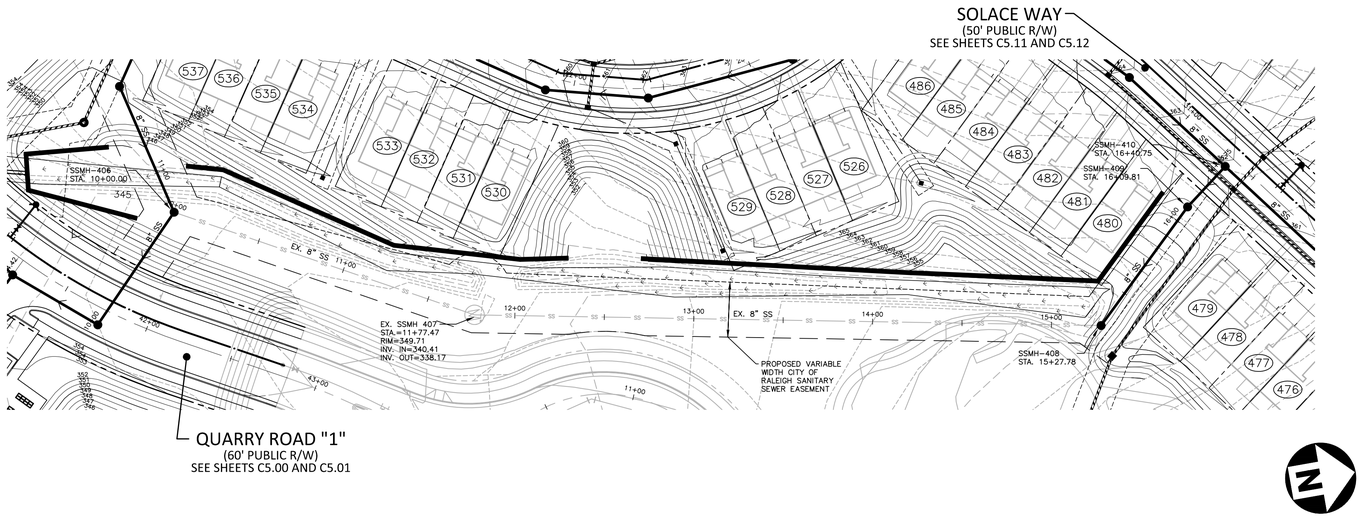
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,
WAKE COUNTY, NORTH CAROLINA

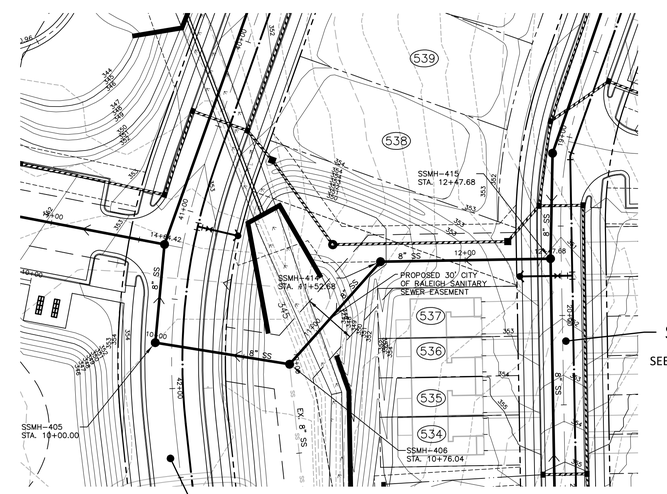
PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-02-P4
CHECKED BY	WTO
DRAWN BY	SRW
SCALE	1"=40'/1"=4'
DATE	07. 28. 2021

PLAN AND PROFILE
SS O/F "D", STA. 10+00 THRU STA. 13+00
SS O/F "E", STA. 10+00 THRU STA. 15+00

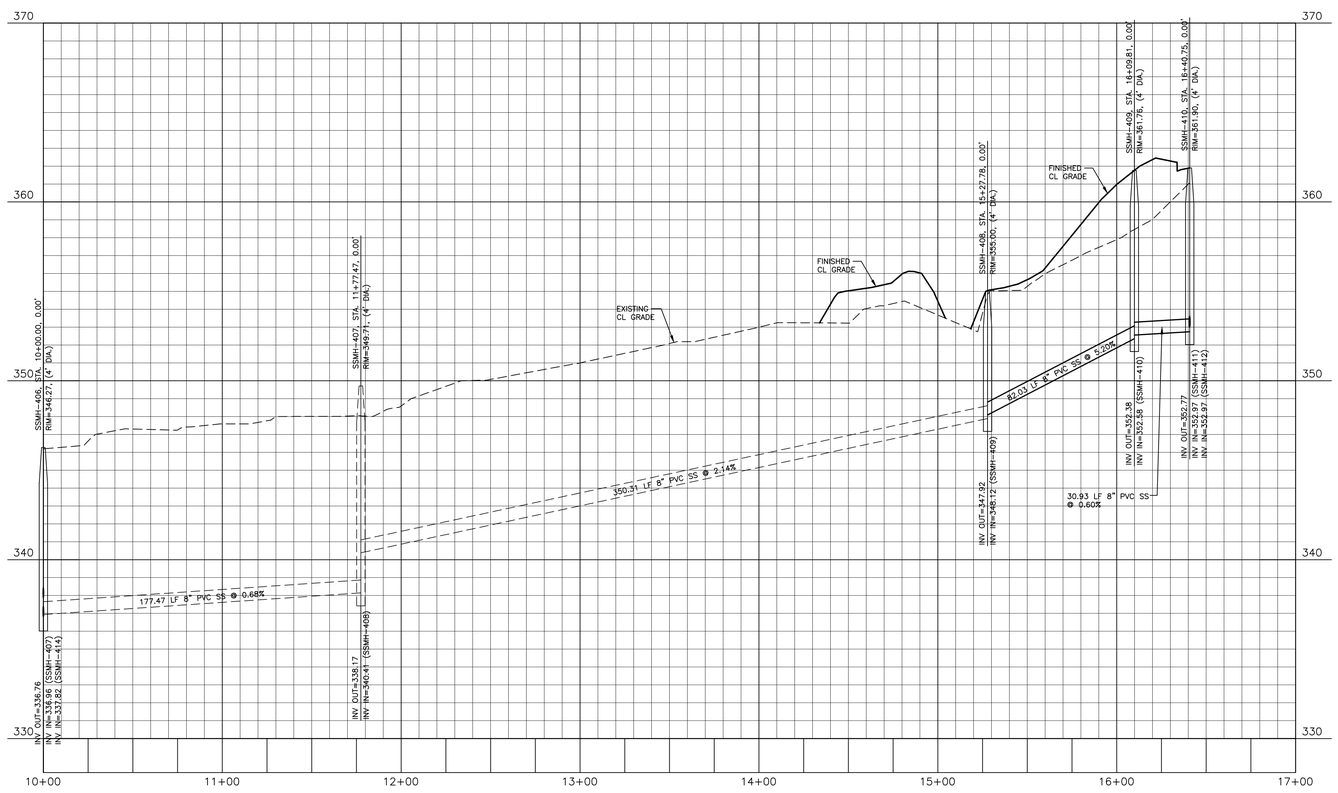
C5.13





GRAPHIC SCALE
0 20 40 80
1 inch = 40 ft.

SANITARY SEWER O/F "G"



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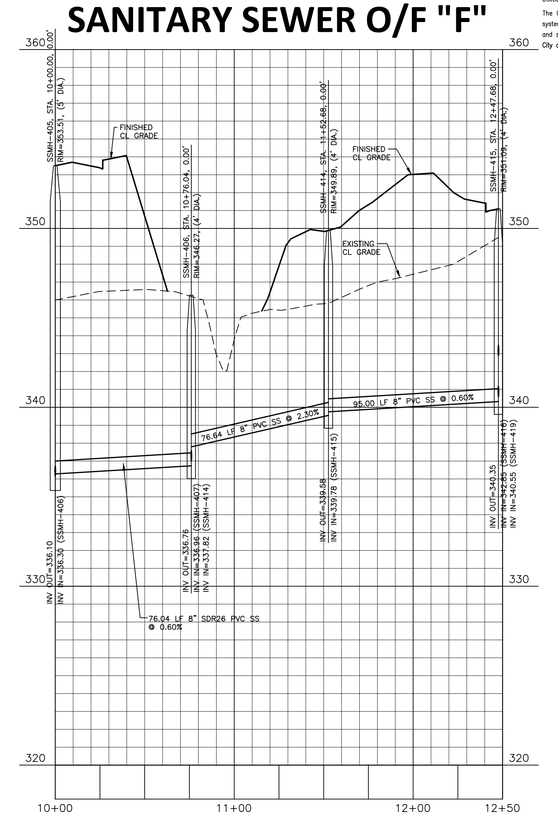

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CONTACT: BOB MISHLER
ASHTON WOODS

REVISIONS
NO. DATE

NORTH CAROLINA PROFESSIONAL SEAL 22630 ENGINEER WILLIAM T. O'DANIEL
FOR REVIEW AND COORDINATION NOT FOR CONSTRUCTION

THE POINT - PHASES 3, 4, 5, 7 AND 10

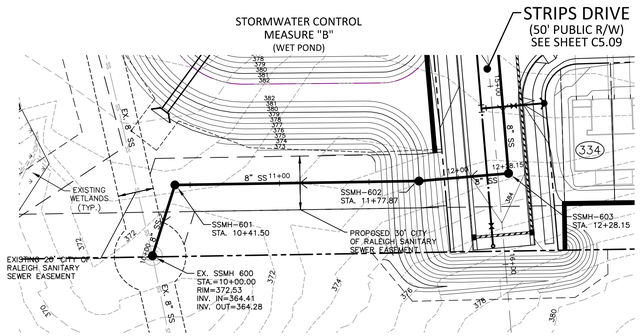
CONSTRUCTION DRAWINGS - PACKAGE 2
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,
WAKE COUNTY, NORTH CAROLINA

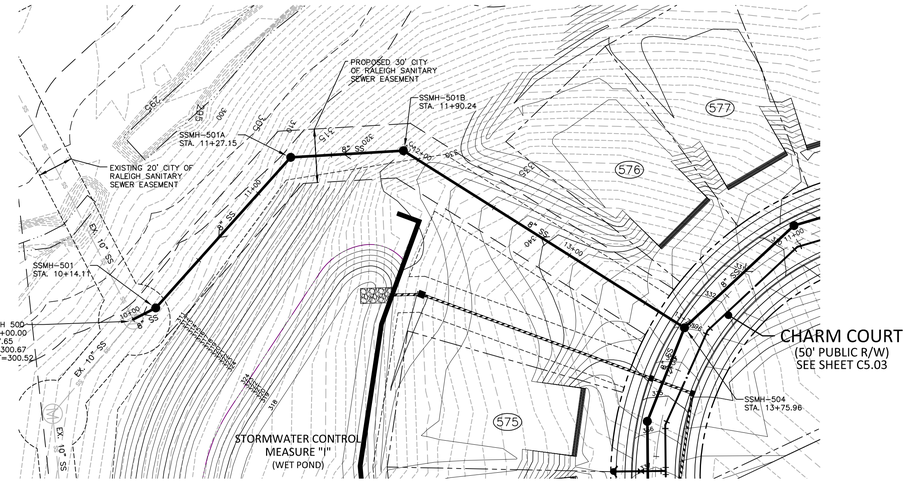
PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-02-P4
CHECKED BY	WTO
DRAWN BY	SRW
SCALE	1"=40'/1"=4'
DATE	07. 28. 2021

PLAN AND PROFILE
SS O/F "G", STA. 10+00 THRU STA. 17+00
SS O/F "F", STA. 10+00 THRU STA. 12+50

C5.14





GRAPHIC SCALE
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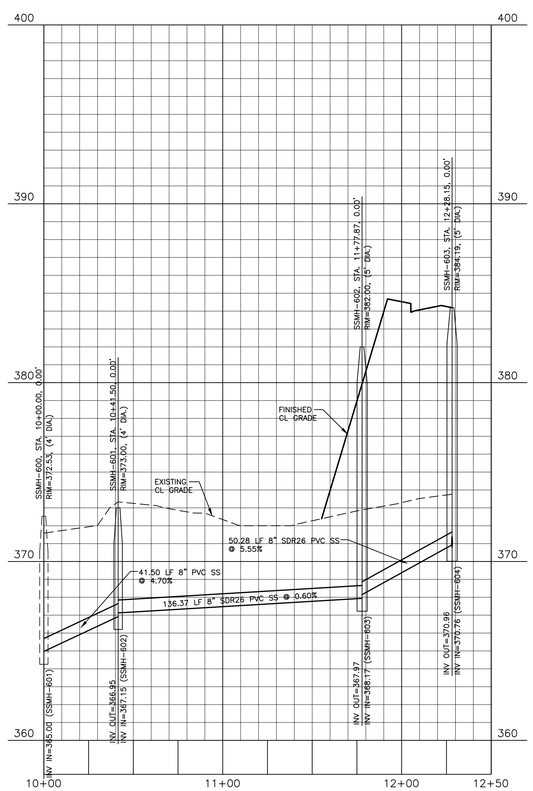
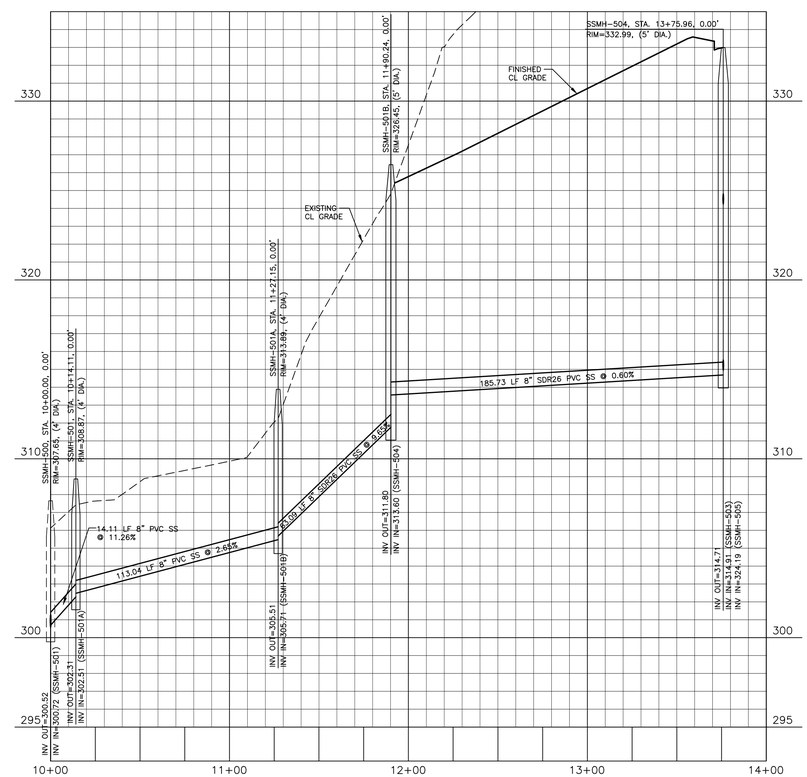
1 inch = 40 ft.

SANITARY SEWER O/F "H"



SANITARY SEWER O/F "I"



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REVISIONS
NO. DATE

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 22630 WILLIAM T. O'DANIEL
FOR REVIEW AND COORDINATION NOT FOR CONSTRUCTION

THE POINT - PHASES 3, 4, 5, 7 AND 10

CONSTRUCTION DRAWINGS - PACKAGE 2

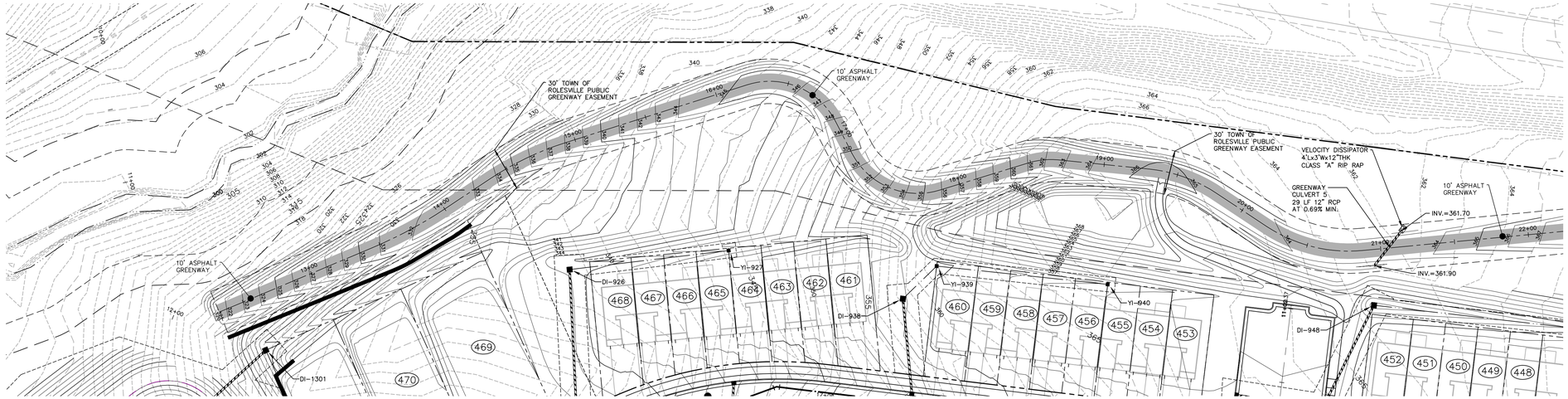
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,
WAKE COUNTY, NORTH CAROLINA

PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-02-P4
CHECKED BY	WTO
DRAWN BY	SRW
SCALE	1"=40'/1"=4'
DATE	07. 28. 2021

PLAN AND PROFILE
SS O/F "H", STA. 10+00 THRU STA. 12+50
SS O/F "I", STA. 10+00 THRU STA. 14+00

C5.15

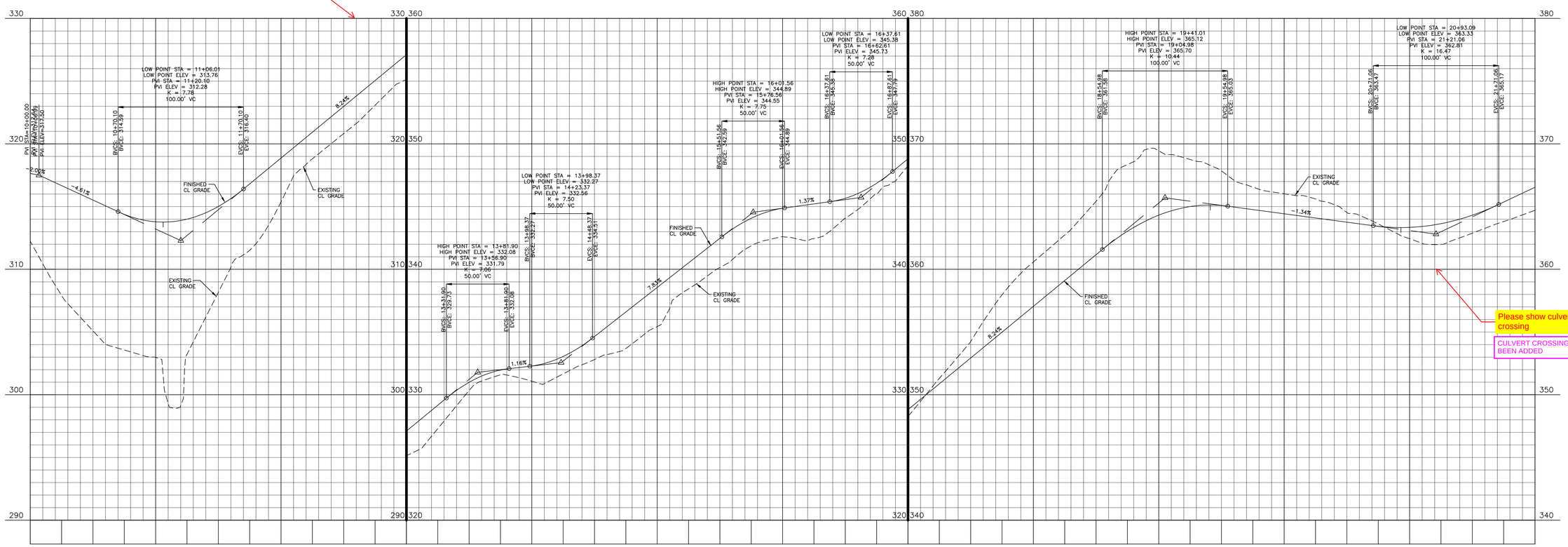


GRAPHIC SCALE
0 20 40 80
1 inch = 40 ft.

Please show construction limits or where the trail for this Package will end

A CONSTRUCTION BEGIN/END LINE HAS BEEN ADDED TO THE PROFILE

GREENWAY "3"



FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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THE POINT - PHASES 3, 4, 5, 7 AND 10

CONSTRUCTION DRAWINGS - PACKAGE 2

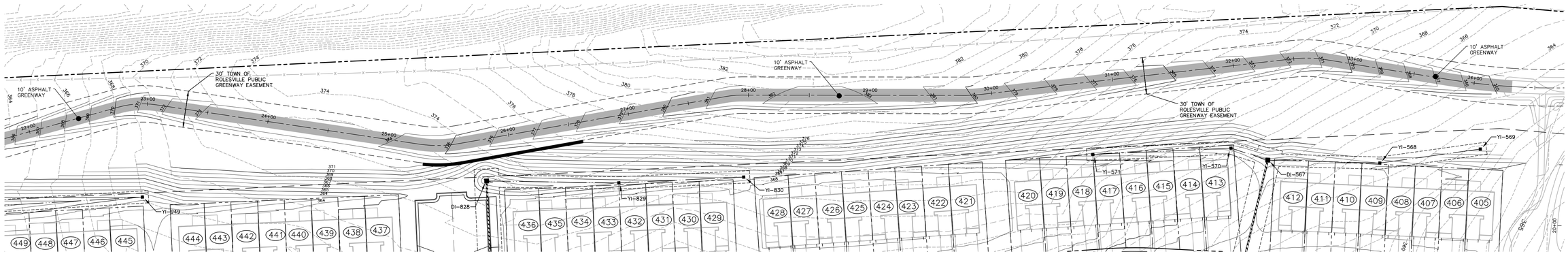
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,
WAKE COUNTY, NORTH CAROLINA

PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-02-P4
CHECKED BY	WTO
DRAWN BY	SRW
SCALE	1"=40'/1"=4'
DATE	07. 28. 2021

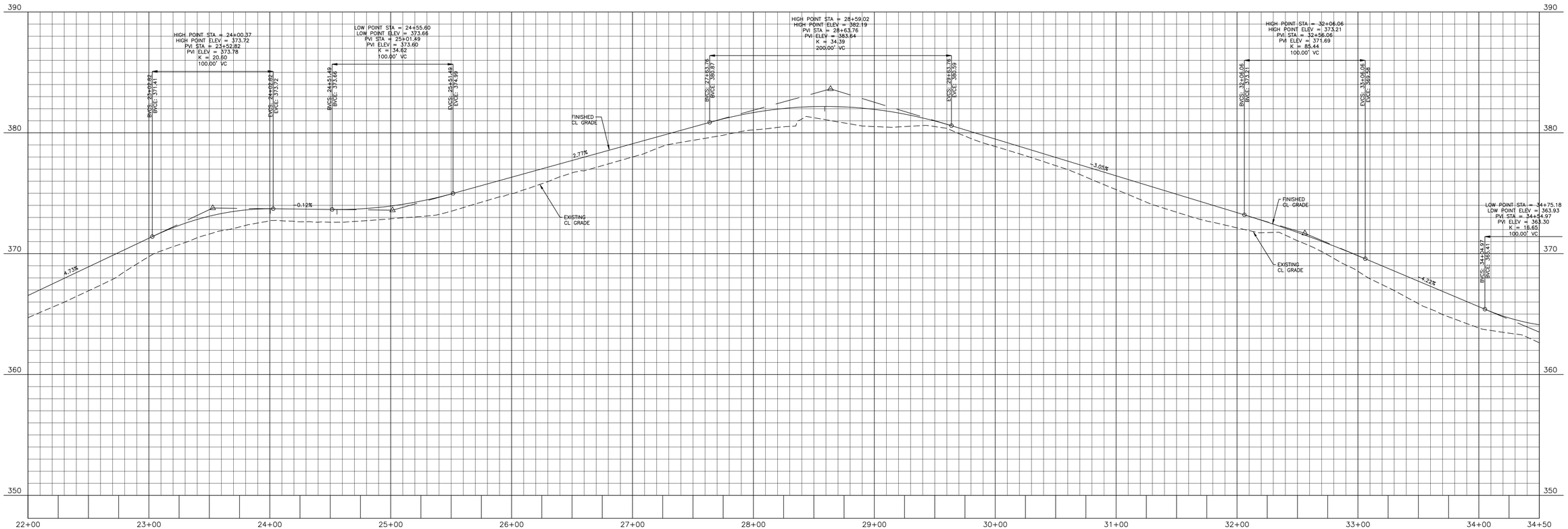
PLAN AND PROFILE
GREENWAY "3", STA. 10+00 THRU STA. 22+00

C5.16



GRAPHIC SCALE
0 20 40 80
1 inch = 40 ft.

GREENWAY "3"



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THE POINT - PHASES 3, 4, 5, 7 AND 10

CONSTRUCTION DRAWINGS - PACKAGE 2

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WAKE COUNTY, NORTH CAROLINA

PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-02-P4
CHECKED BY	WTO
DRAWN BY	SRW
SCALE	1"=40'/1"=4'
DATE	07. 28. 2021

PLAN AND PROFILE
GREENWAY "3", STA. 22+00 THRU STA. 34+50

C5.17

EROSION CONTROL NOTES

1. ALL CONSTRUCTION SHALL CONFORM TO THE LATEST TOWN OF WENDELL AND WAKE COUNTY ENVIRONMENTAL STANDARDS, SPECIFICATIONS AND DETAILS.
2. GRADING AND EROSION CONTROL METHODS SHALL ADHERE TO THE WAKE COUNTY SOIL AND EROSION CONTROL STANDARDS AND SPECIFICATIONS.
3. 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.
4. 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.
5. 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).
6. 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.
7. 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.
8. THE EROSION CONTROL INSPECTOR MAY REQUIRE ADDITIONAL FIELD MEASURES AS NECESSARY TO PROVIDE ADEQUATE PROTECTION FROM RECEIVING WATER COURSES.
9. 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)
10. 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.
11. A COPY OF THE APPROVED EROSION CONTROL PLAN MUST BE ON FILE AT THE JOB SITE AT ALL TIMES.
12. CONSTRUCTION, MAINTENANCE, AND REMOVAL OF ALL EROSION CONTROL DEVICES ARE THE RESPONSIBILITY OF THE GRADING CONTRACTOR UNLESS OTHERWISE NOTED.
13. 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.
14. 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.
15. 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.
16. 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.
17. 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.
18. CONTRACTOR WILL FIELD LOCATE SILT FENCE OUTLETS AT LOW POINTS IN SILT FENCE AS REQUIRED TO PROVIDE RELIEF FROM CONCENTRATED FLOWS.
19. 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.
20. 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.
21. 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.
22. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN SAFE OPEN ACCESS TO ALL PROPERTIES ALONG ADJACENT PROPERTIES DURING CONSTRUCTION PERIOD FOR IMPROVEMENTS.
23. STORM DRAINAGE STRUCTURE LOCATIONS AND PIPE SIZES SUBJECT TO FINAL CONSTRUCTION DRAWING APPROVAL.

CONSTRUCTION SEQUENCE - STAGE 1:

1. OBTAIN GRADING PERMIT FROM THE WAKE COUNTY ENVIRONMENTAL SERVICES DEPARTMENT.
2. 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.
3. CONTRACTOR WILL BE REQUIRED TO SUBMIT SITE NPDES STORMWATER PERMIT FOR CONSTRUCTION ACTIVITY (NCG010000) TO WAKE COUNTY INSPECTIONS THROUGHOUT THE PROJECT.
4. INSTALL THE FOLLOWING EROSION AND SEDIMENTATION CONTROL DEVICES PER THE APPROVED PLAN IN THE FOLLOWING ORDER:
   a. GRAVEL CONSTRUCTION ENTRANCES AND TEMPORARY ACCESS ROADS.
   b. INSTALL TEMPORARY "CLEAN WATER" DIVERSION DITCHES AS SHOWN ON SHEET C6.10A.
   c. TREE PROTECTION FENCE
   d. SILT FENCING SURROUNDING SITE WITH SILT FENCE OUTLETS.
   e. INLET PROTECTION FOR EXISTING INLETS WITHIN ROADWAYS.
   f. SKIMMER BASINS WITH POROUS BAFFLES AND OUTLET PROTECTION.
   g. TEMPORARY DIVERSION DITCHES WITH SPECIFIED LINERS.
   h. STORM DRAINAGE BY-PASS SYSTEM "1500" FROM EW-1500 AT ON-SITE STREAM BUFFER TO JB-1505 NEAR E. YOUNG STREET.
5. CLEAR ONLY AS NECESSARY TO INSTALL THESE DEVICES.
6. CLEAR AND GRUB AREA FOR FUTURE CONSTRUCTION. CONTRACTOR TO COORDINATE WITH DEVELOPER TO OBTAIN NECESSARY OFFSITE EASEMENTS.
7. WHEN STAGE 1 CONSTRUCTION IS COMPLETE, CALL WAKE COUNTY ENVIRONMENTAL SERVICES FOR INSPECTION. PROCEED TO STAGE 2.
8. MAINTAIN DEVICES AS NEEDED IN ACCORDANCE WITH THE NOTES ON THIS SHEET.
9. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN 14 DAYS OF INACTIVITY.
10. 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:

1. 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.
2. CONTRACTOR TO MAINTAIN POSITIVE DRAINAGE IN DIVERSION DITCHES AND TO SEDIMENT BASINS AT ALL TIMES THROUGHOUT CONSTRUCTION.
3. SUBMIT DOCUMENTATION REQUIRED UNDER THE SITE NPDES STORMWATER PERMIT FOR CONSTRUCTION ACTIVITY (NCG010000) TO WAKE COUNTY THROUGHOUT THE PROJECT.
4. ALL OFF-SITE STREETS SHALL BE KEPT CLEAN AS NOTED IN EROSION CONTROL NOTES DURING HAUL OFF OF EXCAVATED MATERIAL.
5. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN 14 DAYS OF INACTIVITY.
6. 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

1. 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.
2. 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.
3. 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.
4. 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

A. STOCKPILE FOOTPRINTS SHALL BE SETBACK A MINIMUM OF 25' FROM ADJACENT PROPERTY LINES.
B. STOCKPILE HEIGHT SHALL NOT EXCEED 35 FEET.
C. STOCKPILE SLOPES SHALL BE 2:1 OR FLATTER.
D. 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).
E. SEEDING OR COVERING STOCKPILES WITH TARPS OR MULCH IS REQUIRED AND WILL REDUCE EROSION PROBLEMS. TARPS SHOULD BE KEYED IN AT THE TOP OF THE SLOPE TO KEEP WATER FROM RUNNING UNDERNEATH THE PLASTIC.
F. 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.
G. THE USE OF STAGED SEEDING AND MULCHING ON A CONTINUAL BASIS WHILE THE STOCKPILE IS IN USE IS REQUIRED.
H. ESTABLISH AND MAINTAIN A VEGETATIVE BUFFER AT THE TOE OF THE SLOPE (WHERE PRACTICAL).
I. STOCKPILE MUST HAVE SILT FENCE WRAPPED AROUND THE LOW SIDE(S) AND A SILT FENCE OUTLET AT ALL LOW POINTS.

BASIN REMOVAL SEQUENCE

1. 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.
2. 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.
3. PERFORM SEEDBED PREPARATION, SEED, MULCH AND ASPHALT TACK ANY RESULTING BARE AREAS IMMEDIATELY.
4. INSTALL VELOCITY DISSIPATORS AND/OR LEVEL SPREADERS AS REQUIRED ON THE EROSION CONTROL PLAN.
5. 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-5	TD-6	TD-7	TD-8	TD-9	TD-10	TD-11	TD-12	TD-13	TD-14	TD-15	TD-16	TD-17	TD-18	TD-19	TD-20	TD-21	TD-22	TD-23
MINIMUM DEPTH (FT)	0.10	0.27	0.5	1.09	0.98	0.9	0.93	0.53	1.14	0.71	0.9	0.89	0.33	1.1	1.4	0.75	0.28	0.88	1.36	0.75	0.95	0.92
MINIMUM BOTTOM WIDTH (FT)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CALCULATED VELOCITY	1.98	1.34	2.01	2.87	2.15	1.86	3.06	1.61	2.47	2.37	1.87	2.38	1.21	2.49	3.37	1.67	1.68	2.97	3.51	2.15	2.74	2.28
ALLOWABLE VELOCITY	2.00	5.0	5.0	5.0	5.0	5.0	6.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
CALCULATED SHEAR STRESS	0.31	0.64	0.30	1.08	0.69	0.58	1.49	0.71	0.71	0.27	0.58	0.96	0.49	0.77	0.95	0.56	1.00	1.49	1.10	0.94	1.19	0.86
ALLOWABLE SHEAR STRESS	N/A	1.55	1.55	1.55	1.55	1.55	1.75	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
TEMPORARY LINER SPECIFICATION*	NONE	ERONET S75	ERONET S75	ERONET S75	ERONET S75	ERONET S75	ERONET S150	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 DESIGN TABLE

SEDIMENT TRAP ID	SB-1	SB-2	SB-3	SB-4	SB-5	SB-6	SB-B	SB-G	SB-H	SB-I	SB-J
Q10 (CFS)	10.0 cfs	27.3 cfs	3.0 cfs	13.4 cfs	12.7 cfs	22.7 cfs	32.0 cfs	41.0 cfs	44.4 cfs	14.3 cfs	44.6 cfs
Bottom Length	86 ft	144 ft	40 ft	96 ft	94 ft	130 ft	N/A	N/A	N/A	N/A	N/A
Bottom Width	58 ft	70 ft	19 ft	48 ft	47 ft	64 ft	N/A	N/A	N/A	N/A	N/A
Sediment Depth	2.0 ft	2.0 ft	2.0 ft	2.0 ft	2.0 ft	2.0 ft	4.0 ft	4.0 ft	5.0 ft	5.0 ft	5.0 ft
Freeboard (from Sediment Depth)	1.5 ft	1.5 ft	1.5 ft	1.5 ft	1.5 ft	1.5 ft	2.3 ft	2.3 ft	2.3 ft	2.3 ft	2.3 ft
Depth to Crest of Spillway	2.0 ft	2.0 ft	2.0 ft	2.0 ft	2.0 ft	2.0 ft	4.0 ft	4.0 ft	5.0 ft	5.0 ft	5.0 ft
Side Slopes1	2.0H:1V	2.0H:1V	2.0H:1V	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	10 ft	22 ft	10 ft	14 ft	14 ft	22 ft	16 ft	20 ft	20 ft	16 ft	20 ft
Height of Berm	3.5 ft	3.5 ft	3.5 ft	3.5 ft	3.5 ft	3.5 ft	6.25 ft	6.25 ft	7.25 ft	7.25 ft	7.25 ft
Top of Trap Length	100 ft	158 ft	54 ft	110 ft	108 ft	144 ft	N/A	N/A	N/A	N/A	N/A
Top of Trap Width	72 ft	84 ft	33 ft	62 ft	61 ft	78 ft	N/A	N/A	N/A	N/A	N/A
Storage Volume Required	4158 cf	11322 cf	1242 cf	5562 cf	3654 cf	9414 cf	14328 cf	17028 cf	19584 cf	5958 cf	18540 cf
Storage Volume Prov'd.	11170 cf	21920 cf	2040 cf	10400 cf	10000 cf	18240 cf	69570 cf	80750 cf	118740 cf	61880 cf	91120 cf
Sediment Surface Area Req'd	4350 sf	11860 sf	1300 sf	5820 sf	5540 sf	9860 sf	13940 sf	17830 sf	19320 sf	6240 sf	19420 sf
Sediment Surface Area Prov'd	6200 sf	11860 sf	1300 sf	5820 sf	5610 sf	9940 sf	20670 sf	24250 sf	29160 sf	16400 sf	23320 sf
Drainage Area (AC.)	2.31 ac	6.29 ac	0.69 ac	3.09 ac	3.36 ac	5.23 ac	7.96 ac	9.46 ac	11.75 ac	3.31 ac	10.30 ac
Disturbed Area (AC.)	2.31 ac	6.29 ac	0.69 ac	3.09 ac	2.03 ac	5.23 ac	7.96 ac	9.46 ac	10.88 ac	3.31 ac	10.30 ac

Trap ID	Drawdown	Skimmer Type(s)
SB-1	3 DAYS	1 – 2.0 inch Skimmers with a(n) 1.5 inch orifice
SB-2	3 DAYS	1 – 2.5 inch Skimmers with a(n) 2.0 inch orifice
SB-3	3 DAYS	1 – 2.0 inch Skimmers with a(n) 0.75 inch orifice
SB-4	3 DAYS	1 – 2.0 inch Skimmers with a(n) 1.5 inch orifice
SB-5	3 DAYS	1 – 2.0 inch Skimmers with a(n) 1.25 inch orifice
SB-6	3 DAYS	1 – 2.0 inch Skimmers with a(n) 2.0 inch orifice
SB-B	3 DAYS	1 – 2.5 inch Skimmers with a(n) 2.25 inch orifice
SB-G	3 DAYS	1 – 2.5 inch Skimmers with a(n) 2.5 inch orifice
SB-H	3 DAYS	1 – 3.0 inch Skimmers with a(n) 2.5 inch orifice
SB-I	3 DAYS	1 – 2.0 inch Skimmers with a(n) 1.75 inch orifice
SB-J	3 DAYS	1 – 2.5 inch Skimmers with a(n) 2.5 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 silt 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 SORHGUM-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	SERICEA 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	SERICEA 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

1. CHISEL COMPACTED AREAS AND SPREAD TOPSOIL 3 INCHES DEEP OVER ADVERSE SOIL CONDITIONS,IF AVAILABLE.
2. RIP THE ENTIRE AREA TO 6-INCH DEPTH.
3. REMOVE ALL LOOSE ROCK, ROOTS AND OTHER OBSTRUCTIONS LEAVING SURFACE REASONABLE SMOOTH AND UNIFORM.
4. APPLY AGRICULTURAL LIME, FERTILIZER AND SUPERPHOSPHATE UNIFORMLY AND MIX WITH SOIL (SEE BELOW).
5. CONTINUE TILLAGE UNTIL A WELL-PULVERIZED, FIRM, REASONABLE UNIFORM SEEDBED IS PREPARED 4 TO 6 INCHES DEEP.
6. SEED ON A FRESHLY PREPARED SEEDBED AND COVER SEED LIGHTLY WITH SEEDING EQUIPMENT OR CULTIPACK AFTER SEEDING.
7. MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH.
8. INSPECT ALL SEEDED 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.
9. 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

DISTURBED AREA = 66.18 AC.

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.

Know what's below. Call before you dig.

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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

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

www.mcadamsco.com

CLIENT

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

ASHTON WOODS

THE POINT
PHASES 3, 4, 5, 7 AND 10
CONSTRUCTION DRAWINGS - PACKAGE 2
EAST YOUNG STREET
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP, WAKE COUNTY, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 22630 WILLIAM T. O'DANIEL
NOT FOR CONSTRUCTION

REVISIONS

NO. DATE

PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-02-EC3
CHECKED BY	.
DRAWN BY	.
SCALE	N.T.S.
DATE	07. 28. 2021

SHEET

EROSION CONTROL NOTES

C6.00

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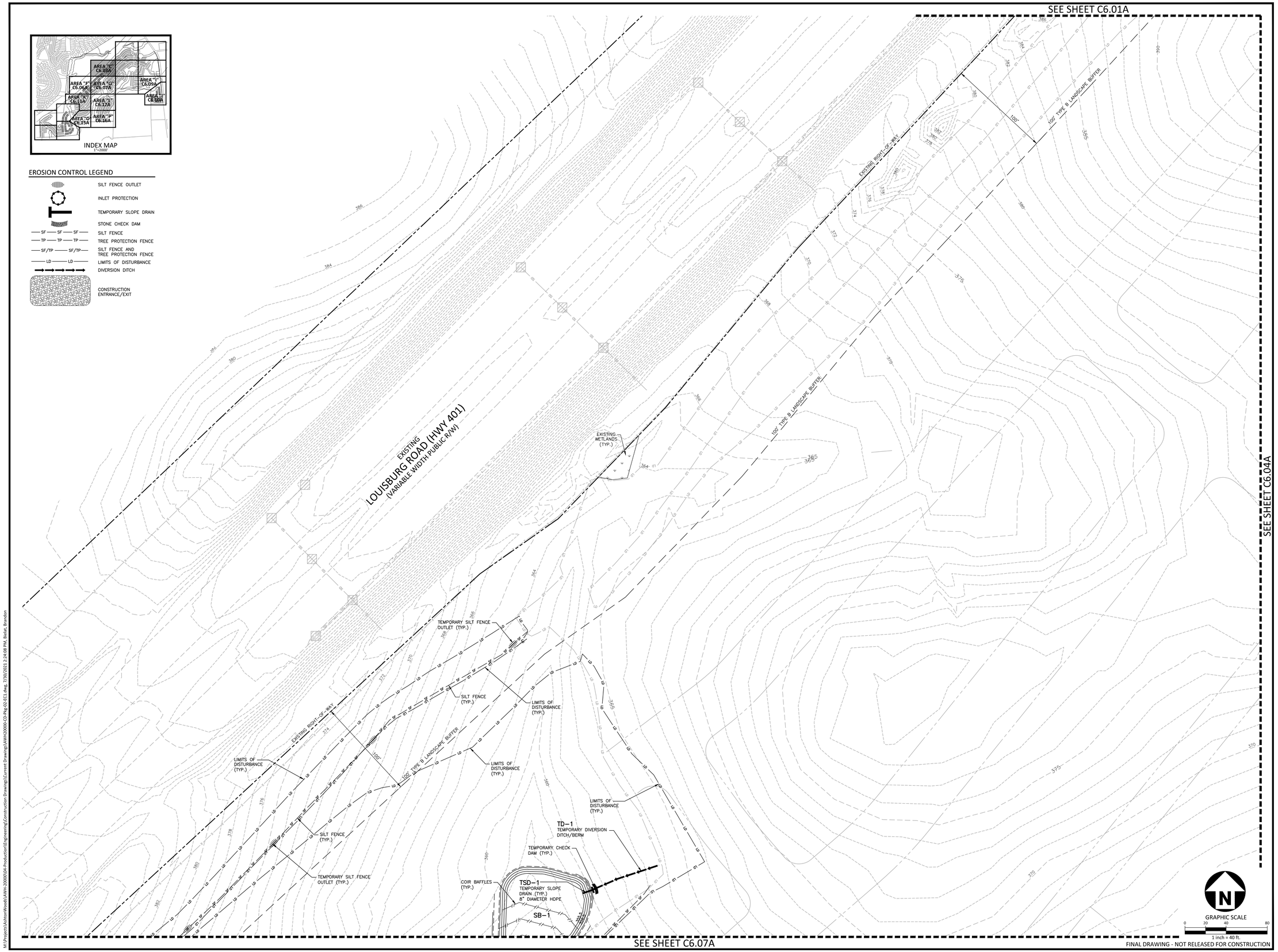

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PHONE: 919. 232. 3695
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ASHTON WOODS

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

NORTH CAROLINA PROFESSIONAL SEAL 22630 ENGINEER WILLIAM T. O'DANIEL
FINAL DRAWING - NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	02. 05. 2021	REV PER TOWN AND CITY COMMENTS
2	03. 17. 2021	REV PER WAKE COUNTY COMMENTS
3	07. 16. 2021	REV PER TOWN AND CITY COMMENTS

PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-02-EC1
CHECKED BY	.
DRAWN BY	.
SCALE	1"=40'
DATE	11. 25. 2020

SHEET

EROSION CONTROL PLAN
STAGE 1
AREA "C"

C6.03A

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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INDEX MAP
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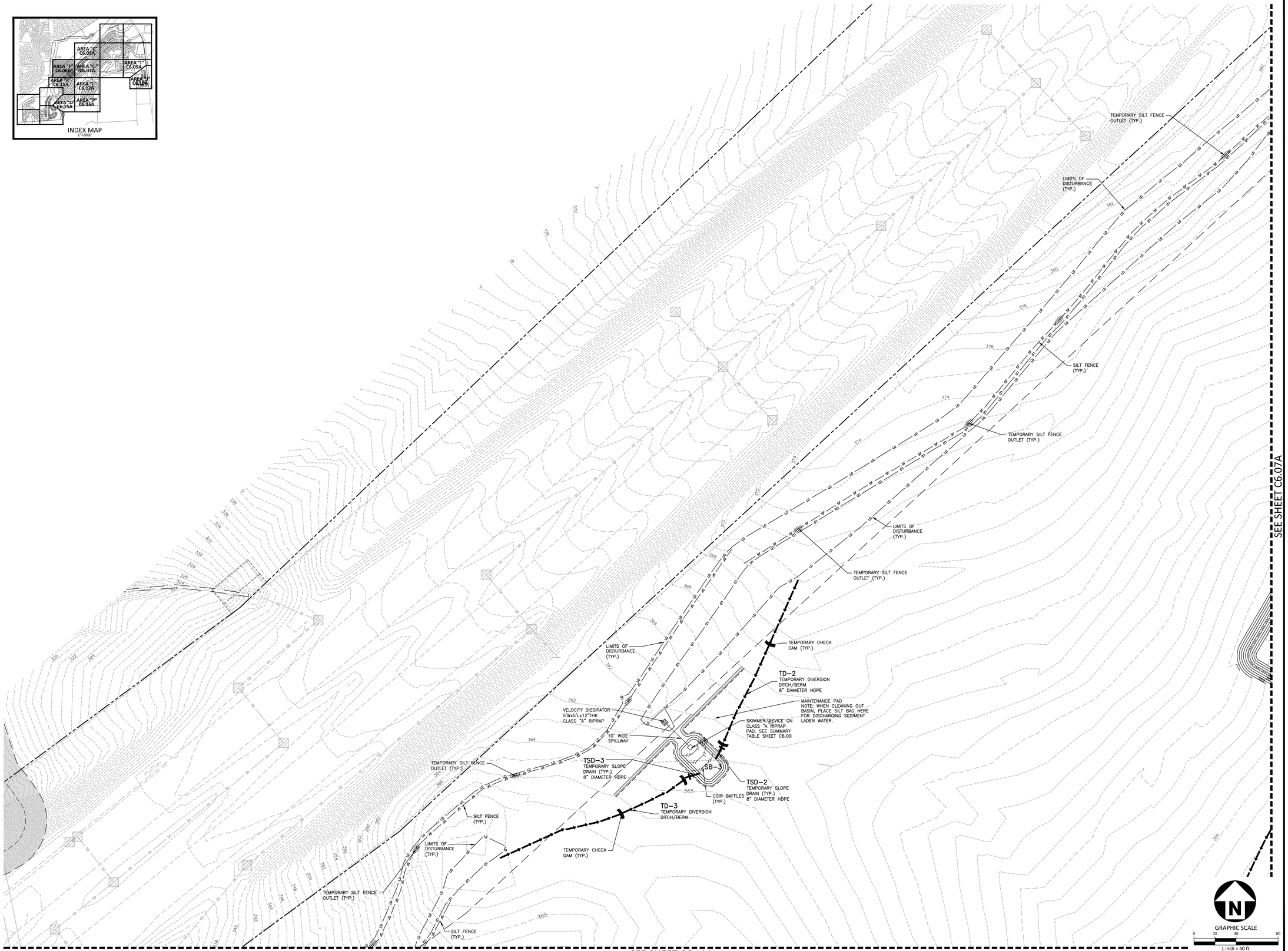

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NORTH CAROLINA PROFESSIONAL SEAL 22630 ENGINEER WILLIAM T. O'DANIEL
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3	07. 16. 2021	REV PER TOWN AND CITY COMMENTS

PLAN INFORMATION

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CHECKED BY	.
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SCALE	1"=40'
DATE	11. 25. 2020

SHEET

EROSION CONTROL PLAN
STAGE 1
AREA "F"

C6.06A

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SEE SHEET C6.03A

SEE SHEET C6.06A

SEE SHEET C6.08A

SEE SHEET C6.12A

EXISTING RIGHT-OF-WAY

100' TYPE B LANDSCAPE BUFFER

TSD-1
TEMPORARY SLOPE DRAIN (TYP.)
8" DIAMETER HDPE

LIMITS OF DISTURBANCE (TYP.)

COIR BAFFLES (TYP.)

SB-1
(SEE SUMMARY TABLE, SHEET C6.00)

SKIMMER DEVICE ON CLASS "A RIPRAP PAD. SEE SUMMARY TABLE SHEET C6.00

MAINTENANCE PAD
NOTE: WHEN CLEANING OUT BASIN, PLACE SILT BAG HERE FOR DISCHARGING SEDIMENT LADEN WATER.

SILT FENCE (TYP.)

TEMPORARY SILT FENCE OUTLET (TYP.)

10' WIDE SPILLWAY

VELOCITY DISSIPATOR
5'Wx5'Lx12"THK
CLASS "A" RIPRAP

EXISTING WETLANDS (TYP.)

TEMPORARY SILT FENCE OUTLET (TYP.)

TD-5
TEMPORARY DIVERSION DITCH/BERM

SILT FENCE (TYP.)

LIMITS OF DISTURBANCE (TYP.)

TEMPORARY CHECK DAM (TYP.)

TEMPORARY SILT FENCE OUTLET (TYP.)

EX. 6" SS

SSMH – RIM ELV: 349.71'
8" PVC INV. IN: 340.41' (N)
8" PVC INV. OUT: 338.17' (S)

TEMPORARY CHECK DAM (TYP.)

TSD-5
TEMPORARY SLOPE DRAIN (TYP.)
12" DIAMETER HDPE

SILT FENCE (TYP.)

EXISTING WETLANDS (TYP.)

TEMPORARY SILT FENCE OUTLET (TYP.)

SB-2
(SEE SUMMARY TABLE, SHEET C6.00)

COIR BAFFLES (TYP.)

22' WIDE SPILLWAY

EX. 8" SS

SSMH – RIM ELV: 346.92'
8" PVC INV. IN: 336.70' (N)
8" PVC INV. OUT: 334.51' (S)

VELOCITY DISSIPATOR
5'Wx5'Lx12"THK
CLASS "A" RIPRAP

TD-6
TEMPORARY DIVERSION DITCH/BERM

SKIMMER DEVICE ON CLASS "A RIPRAP PAD. SEE SUMMARY TABLE SHEET C6.00

MAINTENANCE PAD
NOTE: WHEN CLEANING OUT BASIN, PLACE SILT BAG HERE FOR DISCHARGING SEDIMENT LADEN WATER.

TEMPORARY SILT FENCE OUTLET (TYP.)

TEMPORARY SILT FENCE OUTLET (TYP.)

SILT FENCE (TYP.)

EXISTING WETLANDS (TYP.)

LIMITS OF DISTURBANCE (TYP.)

50' NEUSE RIPARIAN BUFFER (MEASURED 50' FROM TOP OF BANK, EACH SIDE)

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT

EXISTING WETLANDS (TYP.)

EXISTING WETLANDS (TO BE DISTURBED)

EXISTING WETLANDS (TO BE DISTURBED)

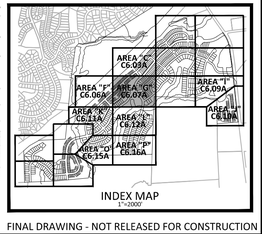
EXISTING WETLANDS (TYP.)

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT

EROSION CONTROL LEGEND

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

GRAPHIC SCALE
0 20 40 80
1 inch = 40 ft.



INDEX MAP
1"=2000'

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ASHTON WOODS

THE POINT
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WAKE COUNTY, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 22630 ENGINEER WILLIAM T. O'DANIEL
NOT FOR CONSTRUCTION

REVISIONS

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2	03. 17. 2021	REV PER WAKE COUNTY COMMENTS
3	07. 16. 2021	REV PER TOWN AND CITY COMMENTS

PLAN INFORMATION

PROJECT NO.	AWH-20000
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SHEET

EROSION CONTROL PLAN
STAGE 1
AREA "G"

C6.07A

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SEE SHEET C6.05A

SEE SHEET C6.08A

SEE SHEET C6.10A

EXISTING POND

25' TEMP. PSNC GAS EASEMENT

50' PSNC GAS EASEMENT

50' TEMP. PSNC GAS EASEMENT

50' NEUSE RIPARIAN BUFFER (MEASURED 50' FROM TOP OF BANK, EACH SIDE)

EXISTING WETLANDS (TYP.)

TOP OF BANK (TYP.)

50' NEUSE RIPARIAN BUFFER (MEASURED 50' FROM TOP OF BANK)

EXISTING POND TO REMAIN

25' TYPE B LANDSCAPE BUFFER

30' STREETSCAPE BUFFER

EXISTING RIGHT-OF-WAY

15' RIGHT OF WAY DEDICATION

EXISTING E. YOUNG STREET (60' PUBLIC R/W)

EX. SSMH – RIM ELV: 361.18'
8" PVC INV. IN: 373.05' (E)
8" PVC INV. OUT: 373.03' (SW)

EX. SSMH – RIM ELV: 386.43'
8" PVC INV. IN: 372.08' (NE)
8" PVC INV. OUT: 372.04' (SW)

SILT FENCE (TYP.)

EW-1500
INV=380.50

33.48 LF 24" RCP
@ 0.60%

JB-1501
RIM=388.83
INV IN=380.80 (JB-1502)
INV OUT=380.70

105.11 LF 24" RCP
@ 0.57%

JB-1502
RIM=388.54
INV IN=381.50 (JB-1503)
INV OUT=381.40

TEMPORARY SILT FENCE OUTLET (TYP.)

JB-1504
RIM=388.00
INV IN=383.30 (JB-1505)
INV OUT=382.95

149.18 LF 24" RCP
@ 0.64%

67.07 LF 24" RCP
@ 0.60%

JB-1503
RIM=387.66
INV IN=382.00 (JB-1504)
INV OUT=381.90

66.93 LF 18" RCP
@ 0.90%

JB-1505
RIM=389.80
INV OUT=383.90

LIMITS OF DISTURBANCE (TYP.)

EX. SSMH – RIM ELV: 361.85'
8" PVC INV. IN: 353.72' (E)
8" PVC INV. OUT: 353.61' (SW)

EX. SSMH – RIM ELV: 368.85'
8" PVC INV. IN: 360.14' (S)
8" PVC INV. OUT: 359.94' (W)

EX. SSMH – RIM ELV: 372.53'
8" PVC INV. IN: 364.41' (E)
8" PVC INV. OUT: 364.28' (W)

EX. SSMH – RIM ELV: 386.81'
8" PVC INV. IN: 370.87' (NE)
8" PVC INV. OUT: 370.46' (W)

EX. SSMH – RIM ELV: 370.80'
8" PVC INV. IN: 362.21' (E)
8" PVC INV. OUT: 362.11' (N)

MAINTENANCE PAD
NOTE: WHEN CLEANING OUT BASIN, PLACE SILT BAG HERE FOR DISCHARGING SEDIMENT LADEN WATER.

TEMPORARY CLEAN WATER DIVERSION DITCH

TEMPORARY SILT FENCE OUTLET (TYP.)

SB-B
(SEE SUMMARY TABLE, SHEET C6.00)

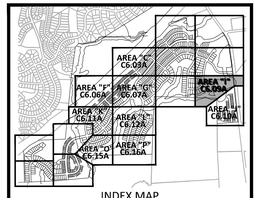
TSD-23
TEMPORARY SLOPE DRAIN (TYP.)
8" DIAMETER HDPE

TD-22
TEMPORARY DIVERSION DITCH/BERM

TD-23
TEMPORARY DIVERSION DITCH/BERM

EROSION CONTROL LEGEND

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



INDEX MAP
1"=2000'

GRAPHIC SCALE
0 20 40 80
1 inch = 40 ft.

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PLAN INFORMATION

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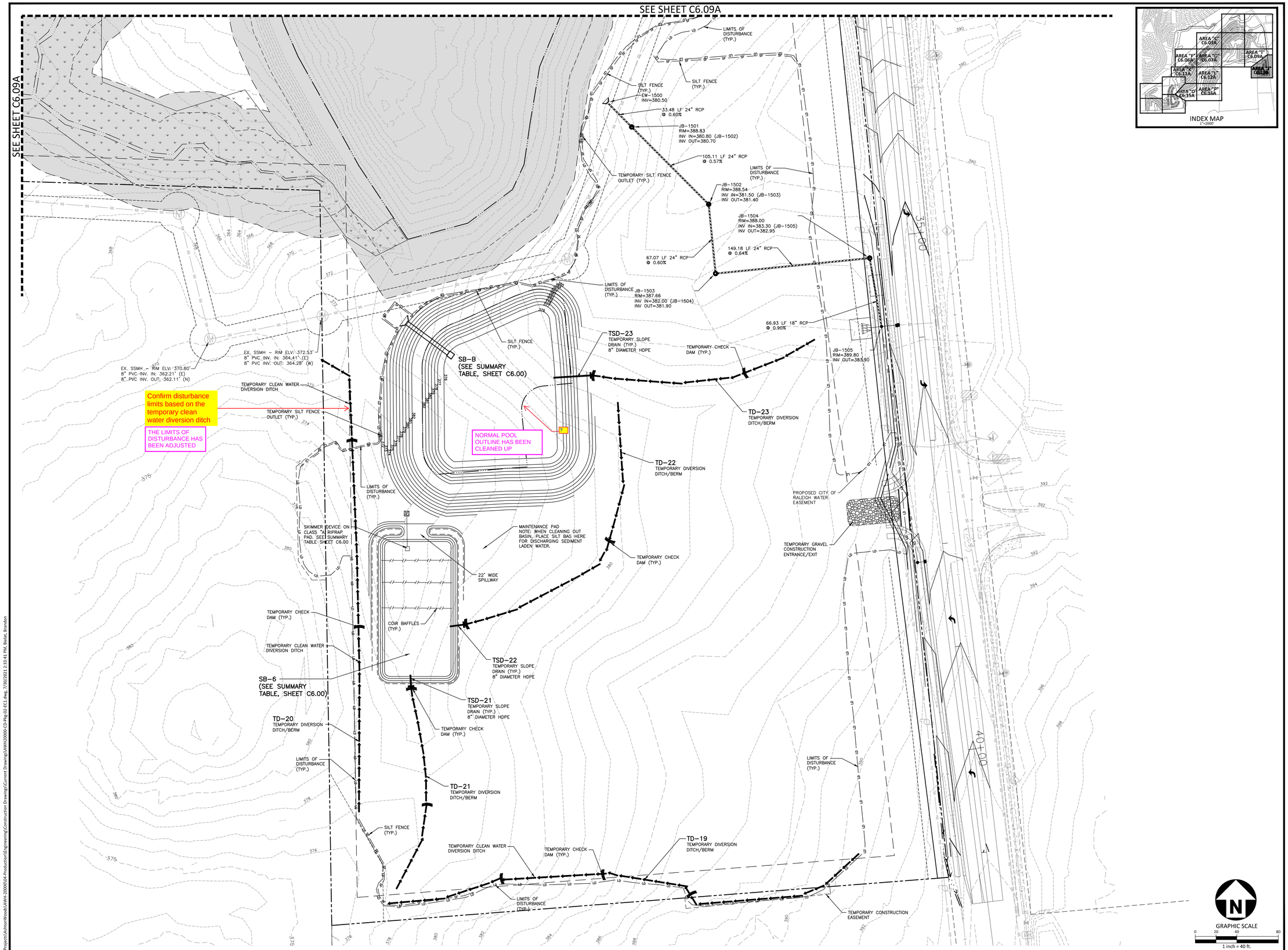
SCALE	1"=40'
DATE	11. 25. 2020

SHEET

EROSION CONTROL PLAN
STAGE 1
AREA "I"

C6.09A



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EROSION CONTROL PLAN STAGE 1 AREA "J"

C6.10A

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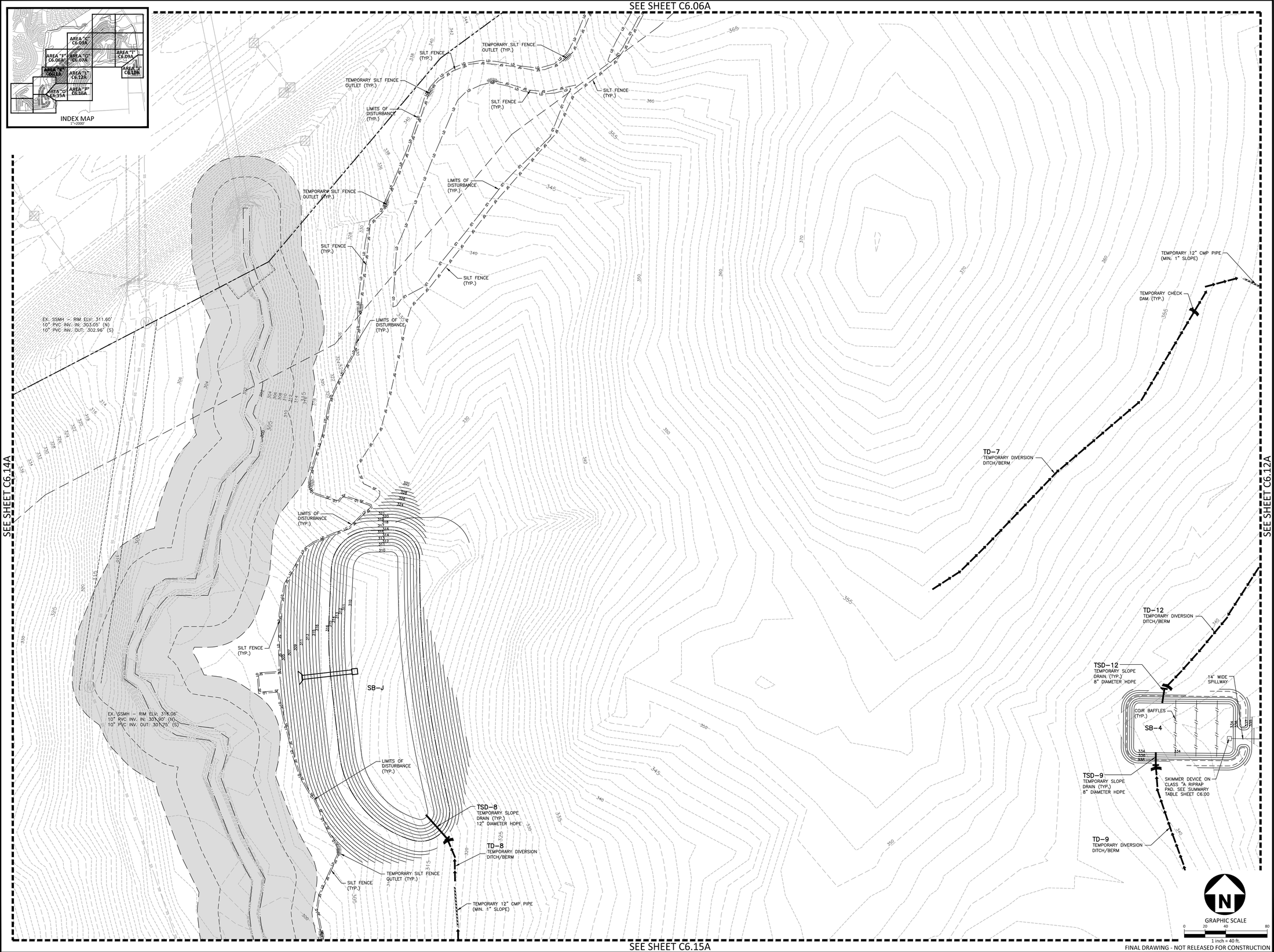
SEE SHEET C6.06A



SEE SHEET C6.14A

SEE SHEET C6.12A

SEE SHEET C6.15A

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EROSION CONTROL PLAN STAGE 1 AREA "K"

C6.11A