THE POINT - PHASES 8 AND 14

EAST YOUNG STREET
ROLESVILLE, NORTH CAROLINA

CONSTRUCTION DRAWINGS - PACKAGE 3

PROJECT NUMBER: AWH-20000
DATE: DECEMBER 13, 2023

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
1768131851	ASHTON RALEIGH RESIDENTIAL, LLC 4025 LAKE BOONE TRAIL, SUITE 200 RALEIGH, NORTH CAROLINA 27607	31.13 AC.
1768254698	BROOKFIELD HOLDINGS (THE POINTE) LLC ANDREW BRAUSA 250 VESEY STREET FL 15 NEW YORK, NY 10281-1065	109.24 AC.
1768347557	ASHTON RALEIGH RESIDENTIAL, LLC 4025 LAKE BOONE TRAIL, SUITE 200 RALEIGH, NORTH CAROLINA 27607	11.90 AC.
1758839170	ASHTON RALEIGH RESIDENTIAL, LLC 4025 LAKE BOONE TRAIL, SUITE 200 RALEIGH, NORTH CAROLINA 27607	47.53 AC.
1768043342	ASHTON RALEIGH RESIDENTIAL, LLC 4025 LAKE BOONE TRAIL, SUITE 200 RALEIGH, NORTH CAROLINA 27607	52.45 AC.

SURVEY BY:

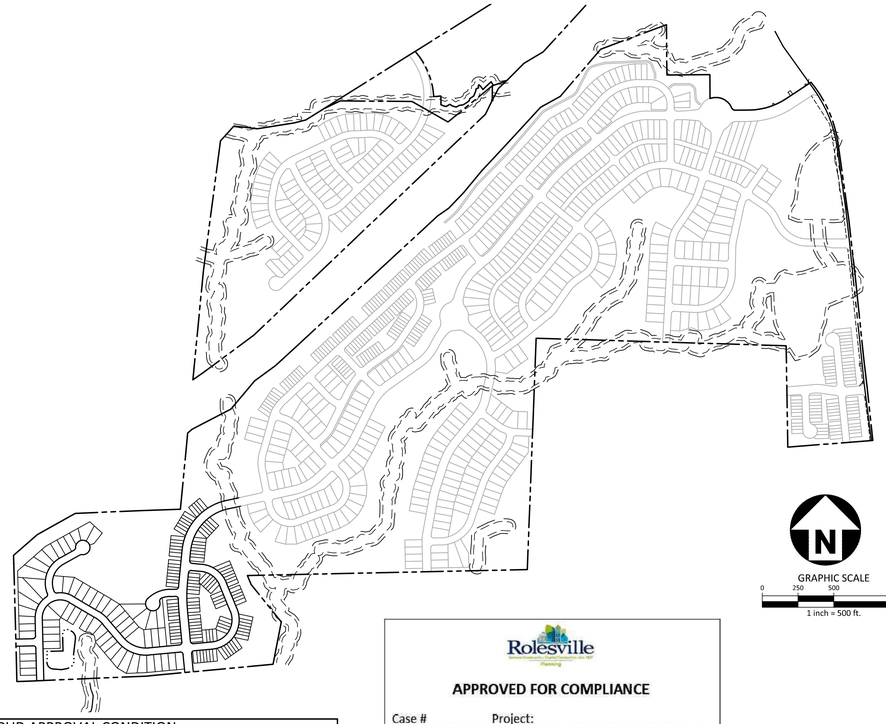
BATEMAN CIVIL SURVEY COMPANY
2424 RELIANCE AVENUE, APEX, NC 27539

TOPOGRAPHIC DECEMBER 22, 2019
ALTA SURVEY DECEMBER 12, 2019

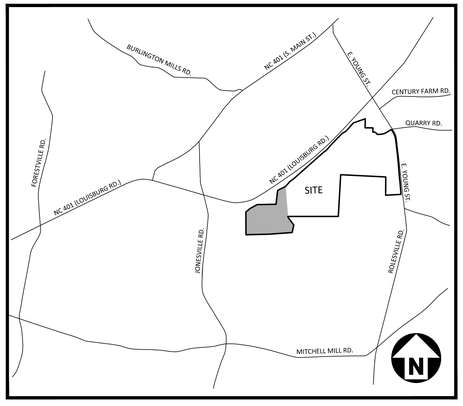
STEVEN P CARSON, PLS
NC LICENSE # 4752
919-577-1081

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.



GRAPHIC SCALE
0 250 500 1000
1 inch = 500 ft.



VICINITY MAP
N.T.S.

CORPUD APPROVAL CONDITION:

CONVEYANCE OF SEWAGE FROM THE PROPOSED LOTS WITHIN THE POINT SOUTH CD PACKAGE #3 WILL RELY ON IMPROVEMENTS TO THE HARRIS CREEK INTERCEPTOR THAT ARE BEING DESIGNED BY McADAMS AND AMERICAN ENGINEERING. THE PLAN SET BY McADAMS IS TITLED HARRIS CREEK INTERCEPTOR IMPROVEMENTS AND WILL BE ASSIGNED PERMIT # S-4979. THE PLAN SET BY AMERICAN ENGINEERING IS TITLED HARRIS CREEK SANITARY SEWER REPLACEMENT AND WILL BE ASSIGNED PERMIT # S-5037. THE POINT SOUTH CD PACKAGE #3 LOTS WILL NOT BE RECORDED AND THE ONSITE WATER/SEWER UTILITIES WILL NOT BE ACCEPTED BY RALEIGH UNTIL THE HARRIS CREEK INTERCEPTOR IMPROVEMENTS UNDER PERMITS # S-4979 AND # S-5037 ARE APPROVED, INSTALLED, AND ACCEPTED BY RALEIGH FOR MAINTENANCE.

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

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.

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	1,450 LF
REVERIE WAY	50' R/W	2,719 LF
MARROW COURT	50' R/W	467 LF
MYRIAD COURT	50' R/W	235 LF
TROUPE WAY	50' R/W	163 LF

PUBLIC UTILITY IMPROVEMENTS QUANTITIES
(CONSTRUCTION DRAWINGS - PACKAGE 3)

PHASE NUMBER	ALL PHASES
NUMBER OF LOTS	179
LOT NUMBERS	624-802
6" PUBLIC WATER (LF)	603 LF
8" PUBLIC WATER (LF)	1,336 LF
12" PUBLIC WATER (LF)	3,123 LF
8" PUBLIC SEWER (LF)	4,615 LF
WATER SERVICE STUBS	179
SEWER SERVICE STUBS	179

SHEET INDEX

C0.00	PROJECT NOTES AND SITE DETAILS
C0.01	TYPICAL SECTIONS
C0.02	OPEN SPACE PLAN
C1.00	OVERALL EXISTING CONDITIONS
C1.05	EXISTING CONDITIONS AND DEMOLITION PLAN
C2.00	OVERALL SITE PLAN
C2.13	SITE PLAN - AREA "M"
C2.14	SITE PLAN - AREA "N"
C2.17	SITE PLAN - AREA "Q"
C2.18	SITE PLAN - AREA "R"
C3.00	OVERALL GRADING AND STORM DRAINAGE PLAN
C3.13	GRADING AND STORM DRAINAGE PLAN - AREA "M"
C3.14	GRADING AND STORM DRAINAGE PLAN - AREA "N"
C3.17	GRADING AND STORM DRAINAGE PLAN - AREA "Q"
C3.18	GRADING AND STORM DRAINAGE PLAN - AREA "R"
C4.00	OVERALL UTILITY PLAN
C4.13	UTILITY PLAN - AREA "M"
C4.14	UTILITY PLAN - AREA "N"
C4.17	UTILITY PLAN - AREA "Q"
C4.18	UTILITY PLAN - AREA "R"
C5.00	PLAN AND PROFILE - REVERIE WAY STA. 10+00.00 THRU STA. 18+00.00
C5.01	PLAN AND PROFILE - REVERIE WAY STA. 18+00.00 THRU STA. 29+00.00
C5.02	PLAN AND PROFILE - REVERIE WAY STA. 29+00.00 THRU STA. 37+19.46
C5.03	PLAN AND PROFILE - QUARRY ROAD "1" STA. 10+00.00 THRU STA. 20+00.00
C5.04	PLAN AND PROFILE - QUARRY ROAD "1" STA. 20+00.00 THRU STA. 25+00.00 PLAN AND PROFILE - MYRIAD COURT
C5.05	PLAN AND PROFILE - MARROW COURT PLAN AND PROFILE - TROUPE WAY
C5.06	PLAN AND PROFILE - SS O/F "K"
C5.07	PLAN AND PROFILE - GREENWAY "1" STA. 10+00.00 THRU STA. 22+00.00
C5.08	PLAN AND PROFILE - GREENWAY "1" STA. 22+00.00 THRU STA. 29+91.05
C5.09	PLAN AND PROFILE - GREENWAY "2" STA. 10+00.00 THRU STA. 22+50.00
C5.10	PLAN AND PROFILE - GREENWAY "2" STA. 22+50.00 THRU STA. 27+31.33
C6.00	EROSION CONTROL NOTES
C6.13A	EROSION CONTROL PLAN - STAGE 1 - AREA "M"
C6.14A	EROSION CONTROL PLAN - STAGE 1 - AREA "N"
C6.17A	EROSION CONTROL PLAN - STAGE 1 - AREA "Q"
C6.18A	EROSION CONTROL PLAN - STAGE 1 - AREA "R"
C6.13B	EROSION CONTROL PLAN - STAGE 2 - AREA "M"
C6.14B	EROSION CONTROL PLAN - STAGE 2 - AREA "N"
C6.17B	EROSION CONTROL PLAN - STAGE 2 - AREA "Q"
C6.18B	EROSION CONTROL PLAN - STAGE 2 - AREA "R"
C6.13C	EROSION CONTROL PLAN - STAGE 3 - AREA "M"
C6.14C	EROSION CONTROL PLAN - STAGE 3 - AREA "N"
C6.17C	EROSION CONTROL PLAN - STAGE 3 - AREA "Q"
C6.18C	EROSION CONTROL PLAN - STAGE 3 - AREA "R"
C6.04	EROSION CONTROL DETAILS
C6.05	EROSION CONTROL DETAILS
C6.06	EROSION CONTROL DETAILS
C6.07	EROSION CONTROL DETAILS
C7.13	PAVEMENT MARKING AND SIGNAGE PLAN - AREA "M"
C7.14	PAVEMENT MARKING AND SIGNAGE PLAN - AREA "N"
C7.17	PAVEMENT MARKING AND SIGNAGE PLAN - AREA "Q"
C7.18	PAVEMENT MARKING AND SIGNAGE PLAN - AREA "R"
C8.00	SITE DETAILS
C8.01	SITE DETAILS
C8.02	STORM DRAINAGE DETAILS
C8.03	STORM DRAINAGE DETAILS
C8.04	WATER DETAILS
C8.05	WATER DETAILS
C8.06	SANITARY SEWER DETAILS
C8.07	SANITARY SEWER DETAILS
C9.00K	STORMWATER CONTROL MEASURE "K" PLAN VIEW
C9.01K	STORMWATER CONTROL MEASURE "K" DETAILS
C9.02K	STORMWATER CONTROL MEASURE "K" DETAILS
C9.03K	STORMWATER CONTROL MEASURE "K" LANDSCAPE PLAN
C9.00L	STORMWATER CONTROL MEASURE "L" PLAN VIEW
C9.01L	STORMWATER CONTROL MEASURE "L" DETAILS
C9.02L	STORMWATER CONTROL MEASURE "L" DETAILS
C9.03L	STORMWATER CONTROL MEASURE "L" LANDSCAPE PLAN
L5.13	LANDSCAPE PLAN - AREA "M"
L5.14	LANDSCAPE PLAN - AREA "N"
L5.17	LANDSCAPE PLAN - AREA "Q"
L5.18	LANDSCAPE PLAN - AREA "R"
L5.20	LANDSCAPE NOTES AND CALCULATIONS
1 OF 1	SITE LIGHTING ARRANGEMENT

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

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

www.mcadamsco.com

CONTACT

MIKE SANCHEZ
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PHONE: 919. 361. 5000

CLIENT

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

ASHTON WOODS

PROJECT DIRECTORY

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

REVISIONS

NO. DATE

CONSTRUCTION DRAWINGS PACKAGE 3 FOR:

THE POINT
PHASES 8 AND 14
EAST YOUNG STREET
ROLESVILLE, NORTH CAROLINA
PROJECT NUMBER: AWH-20000

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

M:\Projects\AWH\AWH-20000\04-Production\Engineering\CD PKG 3\Current Drawings\AWH20000-CD-Pkg-03-CS1.dwg, 12/13/2023 11:51:11 AM, Tommy Daboll

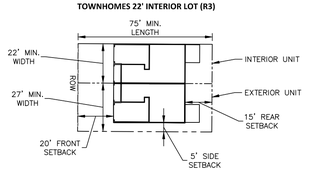
SITE AND OPEN SPACE AREAS

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) TOWNHOMES 15% TH AREA (46.79 AC) 35% ACTIVE OS AREA (7.02 AC) TOTAL OPEN SPACE REQUIRED:	 20.52 AC REQUIRED 7.02 ACRE REQUIRED 2.46 ACRE 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

TYPICAL LOT DIMENSIONS

SCALE 1" = 40'

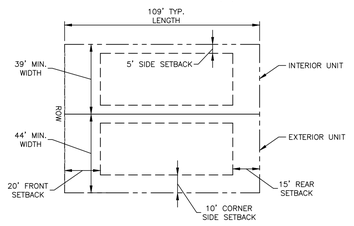
TOWNHOMES 22' INTERIOR LOT (R3)



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

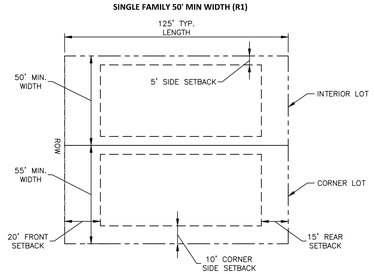
SINGLE FAMILY 39' MIN WIDTH (R2)



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

MIN LOT AREA: 4,250 SF

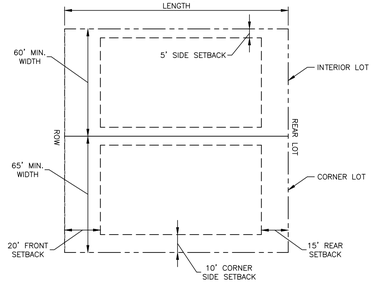
SINGLE FAMILY 50' MIN WIDTH (R1)



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

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	8.26	392,111 SF (9.00 AC)	PRIVATE GREENWAY TRAIL, PLAYGROUND, MAIL KIOSK
OS-15		1.02	44,524 SF (1.02 AC)	
OS-16		0.51	22,321 SF (0.51 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	10.94	689,086 SF (15.82 AC)	PUBLIC GREENWAY, STREET SIDE GREENWAY CONNECTION
OS-19		0.44	19,221 SF (0.44 AC)	
OS-20	0.77	1.56	101,556 SF (2.33 AC)	PLAYGROUND, PICNIC AREA
OS-21		0.90	39,370 SF (0.90 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		0.19	8,278 SF (0.19 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	77.21	4,051,989 SF (93.02 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

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)

SITE PLAN NOTES

1. ALL CONSTRUCTION SHALL CONFORM TO THE LATEST TOWN OF ROLESVILLE AND/OR NCDOT STANDARDS AND SPECIFICATIONS AS APPLICABLE.
2. ALL DIMENSIONS SHOWN ON SITE PLAN ARE MEASURED TO BACK OF CURB UNLESS OTHERWISE NOTED.
3. CONTRACTOR SHALL MAINTAIN AN "AS-BUILT" SET OF DRAWINGS TO RECORD THE EXACT LOCATION OF ALL PIPING PRIOR TO CONCEALMENT. DRAWINGS SHALL BE GIVEN TO THE ENGINEER UPON COMPLETION OF THE PROJECT WITH A COPY OF THE TRANSMITTAL LETTER TO THE OWNER.
4. EXISTING IMPROVEMENTS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED/RESTORED TO THEIR ORIGINAL CONDITION AND TO THE SATISFACTION OF THE OWNER, BY THE CONTRACTOR RESPONSIBLE FOR THE DAMAGE.
5. THE CONTRACTOR SHALL NOTE THAT THE DRAWINGS MAY NOT SHOW EVERY OFFSET, TRANSITION, FITTING, ETC. THAT MAY BE REQUIRED. THE CONTRACTOR SHALL INSTALL SUCH STANDARD APPURTENANCES AS REQUIRED TO CLOSELY FOLLOW THE GRADES AND ALIGNMENTS DEPICTED ON THE PLANS.
6. 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.
7. CONTRACTOR IS RESPONSIBLE FOR COORDINATING CONSTRUCTION ACTIVITIES WITH THE APPROPRIATE UTILITY COMPANIES FOR ANY REQUIRED RELOCATIONS (I.E. POWER POLES, TELEPHONE PEDESTALS, WATER METERS, ETC.).
8. ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION, FOR NECESSARY PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO CONTRACTOR FOR ANY WORK DONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
9. ACCESSIBLE RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH NCDOT DETAILS.
10. ALL SIDEWALKS THAT CONNECT TO THE PUBLIC RIGHT-OF-WAY MUST BE ACCESSIBLE TO PERSONS WHO ARE BLIND, HAVE LOW VISION AND PEOPLE WITH MOBILITY DISABILITIES. PEDESTRIAN EXISTING ROUTES AND ALTERNATE PEDESTRIAN ROUTES DURING CONSTRUCTION WILL BE REQUIRED TO BE COMPLIANT WITH THE PUBLIC RIGHTS OF WAY ACCESSIBILITY GUIDELINES (PROWAG), 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
11. TYPICAL PAVEMENT SECTION DETAILS ARE SHOWN WITHIN THIS SET AND INTENDED TO BE A MINIMUM PAVEMENT SECTION REQUIREMENT. THE CURRENT GEOTECHNICAL REPORT SHALL OVER-RIDE ALL TYPICAL PAVEMENT SECTIONS SHOWN, IF THE GEOTECHNICAL ENGINEER DEEMS A HEAVIER SECTION IS REQUIRED.
12. EQUIPMENT AND PRODUCTS OTHER THAN THOSE SPECIFIED MAY BE USED PROVIDED APPROVAL HAS BEEN OBTAINED FROM THE OWNER IN WRITING PRIOR TO ORDERING OR INSTALLATION. THE CONTRACTOR SHALL WAIVE ANY CLAIM FOR ADDITIONAL COST RELATED TO SUBSTITUTION OF ALTERNATE EQUIPMENT.
13. ALL SIGNAGE ASSOCIATED WITH THE PUBLIC STREET SYSTEM SHALL ADHERE TO MUTCD STANDARDS AND SPECIFICATIONS.

FIRE LANE NOTES:

1. FIRE LANES SHOWN ON THESE PLANS WILL INCLUDE A 20' WIDE LANE PAVED WITH "GRASSPAVE2" PAVER SYSTEM, OR APPROVED EQUAL.
2. FIRE LANES SHALL BE MARKED WITH PRECAST CONCRETE OR BRICK PAVERS 12"x12" PLACED ALONG EACH SIDE OF THE FIRELANE FOR EVERY 10 FEET OF LENGTH.
3. IF FIRE LANE ENCROACHES INTO A LOT, AN EASEMENT WILL BE INCLUDED 1 FOOT AROUND FIRE LANE.

RETAINING WALL NOTES

1. THE RETAINING WALL ALIGNMENT SHOWN ON THESE PLANS DEPICTS THE LOCATION OF THE FRONT FACE OF THE RETAINING WALL AT THE TOP OF THE WALL. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING RETAINING WALLS ARE NOT LOCATED IN ANY STREAM BUFFERS, AND THEIR CONSTRUCTION DOES NOT ENCROACH INTO ANY ADJACENT PROPERTIES DUE TO ANY BATTER INCORPORATED IN THE DESIGN OF THE WALLS.
2. RETAINING WALLS ARE TO BE DESIGN-BUILD PROJECTS BY THE CONTRACTOR. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN FINAL CONSTRUCTION DRAWINGS FROM A REGISTERED ENGINEER AND GAIN ALL REQUIRED PERMITS NECESSARY FOR THE CONSTRUCTION OF THE RETAINING WALLS.
3. RETAINING WALLS SHALL BE ASSUMED TO BE BACKFILLED WITH OFF-SITE BORROW MATERIAL OR PROCESSED FILL, UNLESS THE CONTRACTOR CAN PROVIDE TO THE OWNER WITH CONFIRMATION FROM THE GEOTECHNICAL ENGINEER AND THE RETAINING WALL DESIGNER, THAT READILY AVAILABLE ON-SITE SOILS CAN BE USED.
4. THE TOP AND BOTTOM OF WALL ELEVATIONS SHOWN ON THESE PLANS IDENTIFY FINISHED GRADE ELEVATIONS ONLY. THE EXTENT THAT THE RETAINING WALL WILL BE EXTENDED BELOW GRADE TO THE FOOTING OR ABOVE GRADE TO THE TOP OF THE CAP BLOCK COURSE SHALL BE IDENTIFIED ON THE RETAINING WALL CONSTRUCTION DRAWINGS.
5. ALL RETAINING WALLS OVER 30" HIGH SHALL HAVE A SAFETY FENCE (DESIGN BY OTHERS).
6. ANY TIEBACK SYSTEMS FOR THE RETAINING WALLS SHALL NOT BE ALLOWED WITHIN PUBLIC RIGHT-OF-WAY.

CORPUD APPROVAL CONDITION:

CONVEYANCE OF SEWAGE FROM THE PROPOSED LOTS WITHIN THE POINT SOUTH CD PACKAGE #3 WILL RELY ON IMPROVEMENTS TO THE HARRIS CREEK INTERCEPTOR THAT ARE BEING DESIGNED BY McADAMS AND AMERICAN ENGINEERING. THE PLAN SET BY McADAMS IS TITLED HARRIS CREEK INTERCEPTOR IMPROVEMENTS AND WILL BE ASSIGNED PERMIT # S-4979. THE PLAN SET BY AMERICAN ENGINEERING IS TITLED HARRIS CREEK SANITARY SEWER REPLACEMENT AND WILL BE ASSIGNED PERMIT # S-5037. THE POINT SOUTH CD PACKAGE #3 LOTS WILL NOT BE RECORDED AND THE ONSITE WATER/SEWER UTILITIES WILL NOT BE ACCEPTED BY RALEIGH UNTIL THE HARRIS CREEK INTERCEPTOR IMPROVEMENTS UNDER PERMITS # S-4979 AND # S-5037 ARE APPROVED, INSTALLED, AND ACCEPTED BY RALEIGH FOR MAINTENANCE.

GRADING NOTES

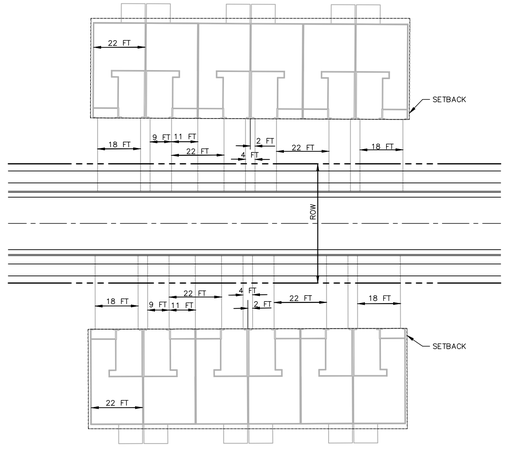
1. ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION, FOR NECESSARY PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR ANY WORK DONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
2. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS; FINAL RULE 29CFR PART 1926, SUBPART "P" APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH. EXCAVATION EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRES THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER, PROVIDED BY CONTRACTOR RESPONSIBLE FOR EXCAVATION.
3. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TOWN OF ROLESVILLE AND/OR NCDOT STANDARDS AND SPECIFICATIONS AS APPLICABLE.
4. 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.
5. CONSTRUCTION, MAINTENANCE AND REMOVAL OF ALL EROSION CONTROL DEVICES ARE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. TIMING OF REMOVAL SHALL BE COORDINATED WITH THE EROSION CONTROL INSPECTOR.
6. EXISTING UTILITIES AND STRUCTURES SHOWN, BOTH UNDERGROUND AND ABOVE GROUND, ARE BASED ON A FIELD SURVEY AND THE BEST AVAILABLE RECORD DRAWINGS. THE CONTRACTOR SHALL VERIFY FIELD CONDITIONS PRIOR TO BEGINNING RELATED CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
7. SOIL UNDER BUILDINGS, PAVED AREAS AND WITHIN SLOPES GREATER THAN 3:1 (H:V) SHALL BE APPROVED, PLACED AND COMPACTED AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.

STORM DRAINAGE NOTES

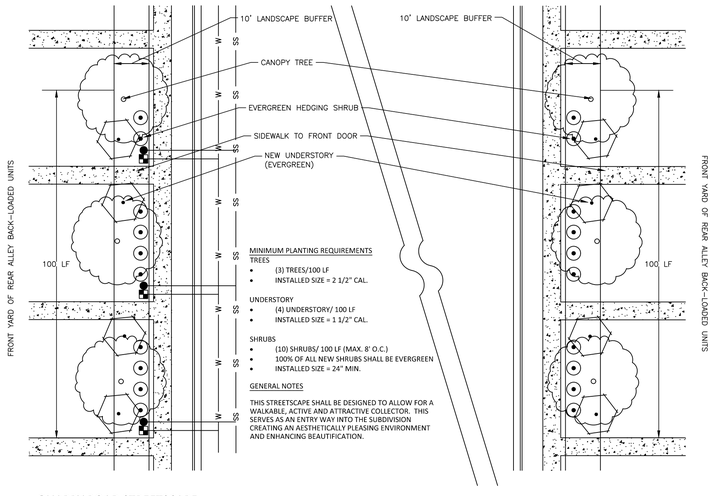
1. ALL STORM DRAINAGE PIPES SHOWN SHALL BE REINFORCED CONCRETE (RCP) (MINIMUM CLASS III) UNLESS NOTED OTHERWISE. CONTRACTOR TO COORDINATE WITH THE GEOTECH TO VERIFY TYPE OF BEDDING REQUIRED BASED ON SOIL CONDITIONS. CONTRACTOR TO SELECT REQUIRED CLASS OF PIPE BASED ON DEPTH OF PIPE AND BEDDING PROVIDED PER THE AMERICAN CONCRETE PIPE ASSOCIATION GUIDELINES.
2. ALL STORM DRAINAGE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TOWN OF ROLESVILLE STANDARDS.
3. ALL CONCRETE SHALL MEET A MINIMUM 3000 PSI COMPRESSIVE STRENGTH.
4. ALL PIPE IN STORM DRAIN STRUCTURES SHALL BE STRUCK EVEN WITH INSIDE WALL.
5. ALL PIPE JOINTS SHALL BE MADE WITH PREFORMED JOINT SEALER, WHICH CONFORMS TO AASHTO SPECIFICATION M-198 FOR TYPE B FLEXIBLE PLASTIC GASKETS UNLESS OTHERWISE NOTED.
6. THE INTERIOR SURFACES OF ALL STORM DRAINAGE STRUCTURES SHALL BE POINTED UP AND SMOOTHED TO AN ACCEPTABLE STANDARD, USING MORTAR MIXED TO MANUFACTURER'S SPECIFICATIONS.
7. ALL BACKFILL SHALL BE NON-PLASTIC IN NATURE, FREE FROM ROOTS, VEGETATION MATTER, WASTE CONSTRUCTION MATERIAL OR OTHER OBJECTIONABLE MATERIAL. SAID MATERIAL SHALL BE CAPABLE OF BEING COMPACTED BY MECHANICAL MEANS AND SHALL HAVE NO TENDENCY TO FLOW OR BEHAVE IN A PLASTIC MANNER UNDER THE TAMPING BLOWS OR PROOF ROLLING.
8. MATERIALS DEEMED BY THE OWNER'S REPRESENTATIVE OR GEOTECH AS UNSUITABLE FOR BACKFILL PURPOSES SHALL BE REMOVED AND REPLACED WITH SUITABLE MATERIAL.
9. BACKFILLING OF TRENCHES SHALL BE ACCOMPLISHED IMMEDIATELY AFTER PIPE IS LAID. THE FILL AROUND THE PIPE SHALL BE THOROUGHLY COMPACTED TO 95 % OF THE MAXIMUM DRY DENSITY OBTAINABLE WITH THE STANDARD PROCTOR TEST. THE TOP EIGHT (8) INCHES SHALL BE COMPACTED TO 100 PERCENT STANDARD PROCTOR.
10. UNDER NO CIRCUMSTANCES SHALL WATER BE ALLOWED TO RISE IN UNBACKFILLED TRENCHES AFTER PIPE HAS BEEN PLACED.
11. ALL CONCRETE PIPE AND PRECAST STORM STRUCTURES SHALL MEET NCDOT STANDARDS BY MANUFACTURER.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING ALL PIPE AND STRUCTURES FOR CRACKS OR BREAKS, PRIOR TO INSTALLATION. ANY DAMAGED ITEMS SHALL NOT BE INSTALLED.

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.



TYPICAL TOWNHOME DRIVEWAY
SCALE 1"=30



QUARRY ROAD STREETSCAPE
NTS

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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CONTACT: BOB MISHLER

ASHTON WOODS

THE POINT
PHASES 8 AND 14
CONSTRUCTION DRAWINGS - PACKAGE 3
EAST YOUNG STREET
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP, WAKE COUNTY, NORTH CAROLINA

CD XX-XX

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

REVISIONS

NO.	DATE

PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-03-N1
CHECKED BY	WTO
DRAWN BY	TKD
SCALE	N.T.S.
DATE	12. 13. 2023

SHEET

PROJECT NOTES AND SITE DETAILS

C0.00

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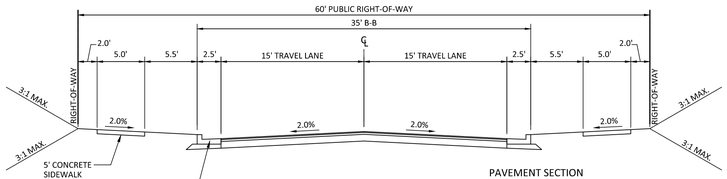
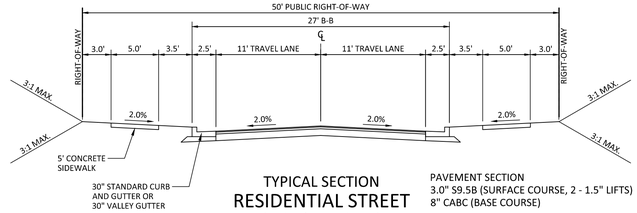


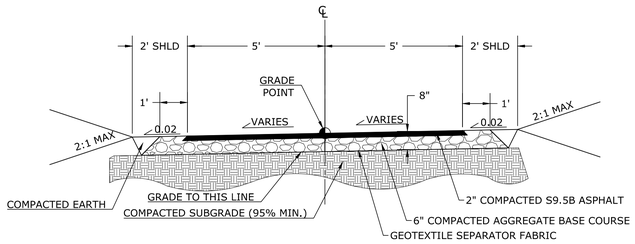
TYPICAL SECTION
RESIDENTIAL COLLECTOR
(60' R/W, 35' B-B)

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



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

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



TYPICAL SECTION
10' WIDE PUBLIC GREENWAY

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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THE POINT
PHASES 8 AND 14
CONSTRUCTION DRAWINGS - PACKAGE 3
EAST YOUNG STREET
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP, WAKE COUNTY, NORTH CAROLINA

CD XX-XX

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-03-N1
CHECKED BY	WTO
DRAWN BY	TKD
SCALE	N.T.S.
DATE	12. 13. 2023

SHEET

TYPICAL SECTIONS

C0.01

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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	3		3.61	157,160 SF (3.61 AC)	
OS–5	3	2.38	10.74	571,471 SF (10.12 AC)	PUBLIC GREENWAY, EXERCISE STATION
OS–6	3	0.82	0.54	59,307 SF (1.36 AC)	PLAY AREA
OS–7	3	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	8.26	392,111 SF (9.00 AC)	PRIVATE GREENWAY TRAIL, PLAY AREA, MAIL KIOSK
OS–15	2		1.02	44,524SF (1.02 AC)	
OS–16	2		0.51	22,321 SF (0.51 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	10.94	689,086 SF (15.82 AC)	PUBLIC GREENWAY, PUBLIC STREET SIDE GREENWAY CONNECTION
OS–19			0.44	19,221 SF (0.44 AC)	
OS–20	1	0.77	1.56	101,556 SF (2.33 AC)	PLAYGROUND, PICNIC AREA
OS–21	2		0.90	39,370 SF (0.90 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		0.19	8,278 SF (0.19 AC)	
OS–30	2		0.12	5,391 SF (0.12 AC)	
OS–31	3		0.33	14,304 SF (0.33 AC)	
OS–32	3		0.20	8,761 SF (0.20 AC)	
TOTAL		18.28	91.68	4,791,458 SF (110 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 3

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 77.21 AC PASSIVE OPEN SPACE 93.02 TOTAL OPEN SPACE PROVIDED

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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ASHTON WOODS

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

CD XX-XX

NORTH CAROLINA PROFESSIONAL LANDSCAPE ARCHITECT SARA RUNGE DONOHOE 2027

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	12. 13. 2023

SHEET

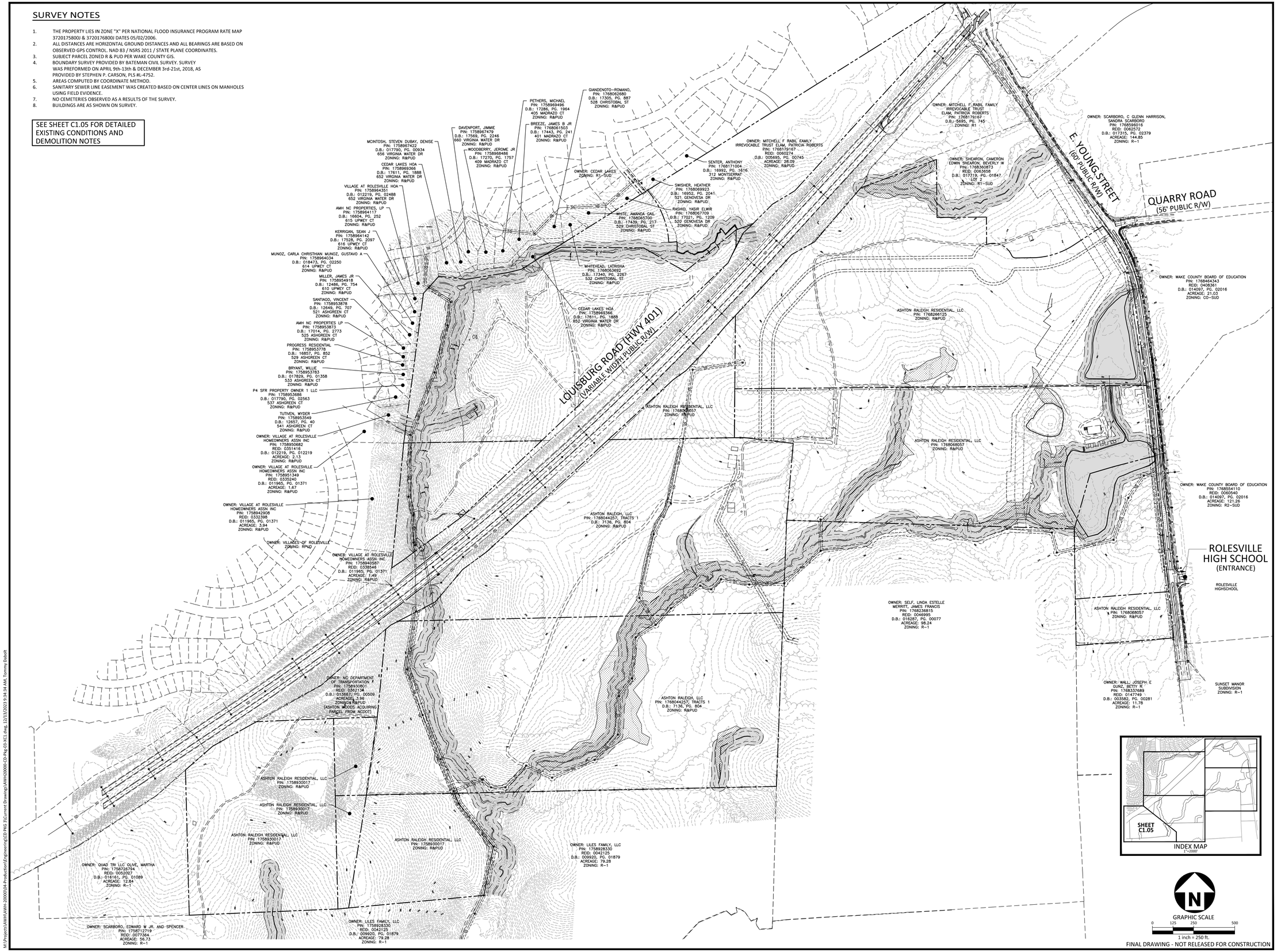
OPEN SPACE PLAN

C0.02

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 SHEET C1.05 FOR DETAILED EXISTING CONDITIONS AND DEMOLITION NOTES



FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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

CD XX-XX

REVISIONS

NO. DATE

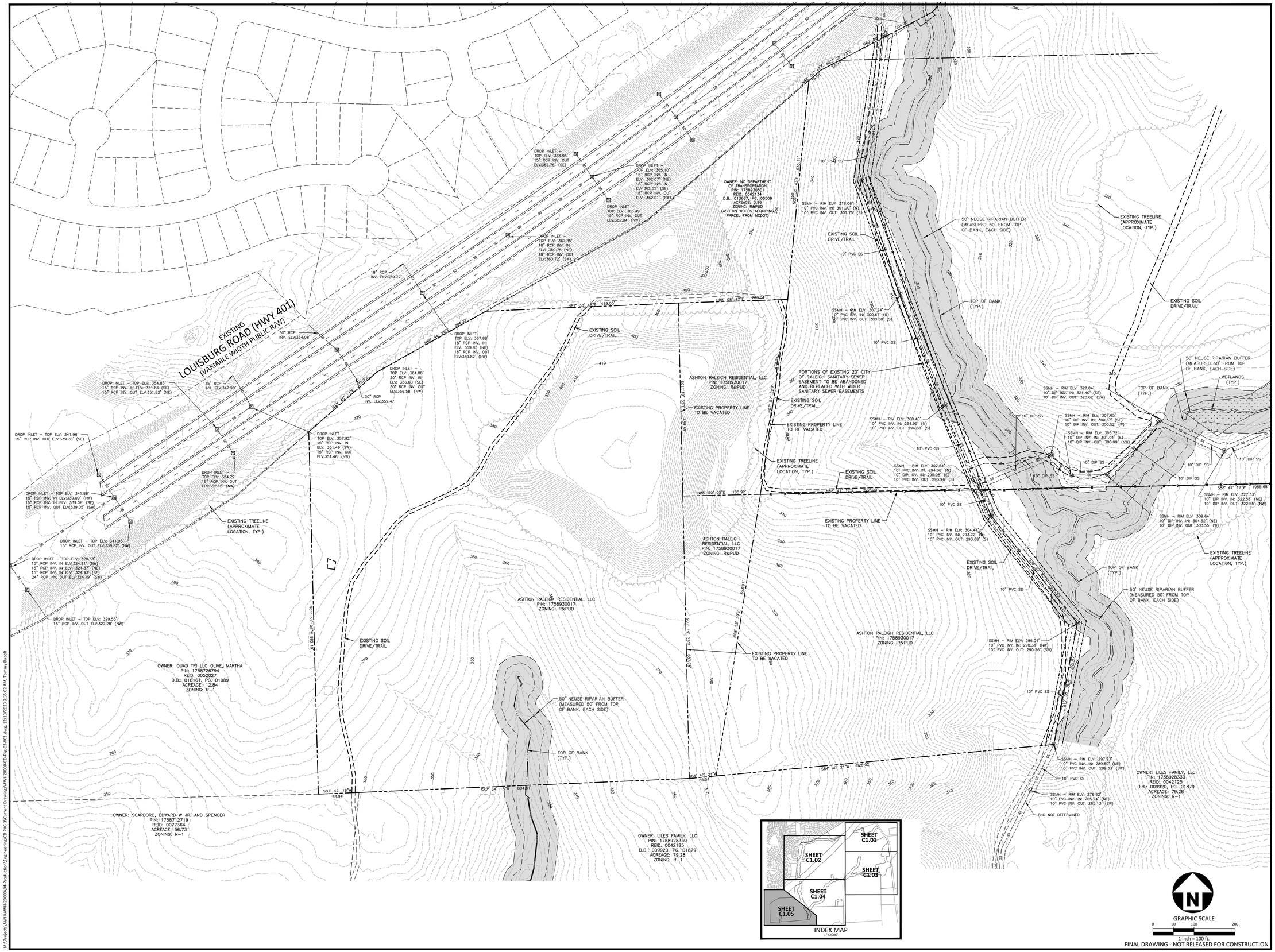
PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-03-XC1
CHECKED BY	WTO
DRAWN BY	TKD
SCALE	1"=250'
DATE	12. 13. 2023

SHEET

OVERALL EXISTING CONDITIONS

C1.00



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McADAMS

The John R. McAdams Company, Inc.
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ASHTON RALEIGH RESIDENTIAL, LLC.
900 RIDGEFIELD DRIVE, SUITE 335
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PHONE: 919. 422. 7663
CONTACT: BOB MISHLER

ASHTON WOODS

THE POINT
PHASES 8 AND 14
CONSTRUCTION DRAWINGS - PACKAGE 3
EAST YOUNG STREET
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP, WAKE COUNTY, NORTH CAROLINA

CD XX-XX

REVISIONS

NO.	DATE

PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-01-XC1
CHECKED BY	WTO
DRAWN BY	TKD
SCALE	1"=100'
DATE	12. 13. 2023

SHEET

EXISTING CONDITIONS AND DEMOLITION PLAN

C1.05

SITE PLAN NOTES

1. ALL CONSTRUCTION SHALL CONFORM TO THE LATEST TOWN OF ROLESVILLE AND/OR NCDOT STANDARDS AND SPECIFICATIONS AS APPLICABLE.
2. ALL DIMENSIONS SHOWN ON SITE PLAN ARE MEASURED TO BACK OF CURB UNLESS OTHERWISE NOTED.
3. CONTRACTOR SHALL MAINTAIN AN "AS-BUILT" SET OF DRAWINGS TO RECORD THE EXACT LOCATION OF ALL PIPING PRIOR TO CONCEALMENT. DRAWINGS SHALL BE GIVEN TO THE ENGINEER UPON COMPLETION OF THE PROJECT WITH A COPY OF THE TRANSMITTAL LETTER TO THE OWNER.
4. EXISTING IMPROVEMENTS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED/RESTORED TO THEIR ORIGINAL CONDITION AND TO THE SATISFACTION OF THE OWNER, BY THE CONTRACTOR RESPONSIBLE FOR THE DAMAGE.
5. THE CONTRACTOR SHALL NOTE THAT THE DRAWINGS MAY NOT SHOW EVERY OFFSET, TRANSITION, FITTING, ETC. THAT MAY BE REQUIRED. THE CONTRACTOR SHALL INSTALL SUCH STANDARD APPURTENANCES AS REQUIRED TO CLOSELY FOLLOW THE GRADES AND ALIGNMENTS DEPICTED ON THE PLANS.
6. 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.
7. CONTRACTOR IS RESPONSIBLE FOR COORDINATING CONSTRUCTION ACTIVITIES WITH THE APPROPRIATE UTILITY COMPANIES FOR ANY REQUIRED RELOCATIONS (I.E. POWER POLES, TELEPHONE PEDESTALS, WATER METERS, ETC.).
8. ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION, FOR NECESSARY PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO CONTRACTOR FOR ANY WORK DONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
9. ACCESSIBLE RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH NCDOT DETAILS.
10. ALL SIDEWALKS THAT CONNECT TO THE PUBLIC RIGHT-OF-WAY MUST BE ACCESSIBLE TO PERSONS WHO ARE BLIND, HAVE LOW VISION AND PEOPLE WITH MOBILITY DISABILITIES. PEDESTRIAN EXISTING ROUTES AND ALTERNATE PEDESTRIAN ROUTES DURING CONSTRUCTION WILL BE REQUIRED TO BE COMPLIANT WITH THE PUBLIC RIGHTS OF WAY ACCESSIBILITY GUIDELINES (PROWAG), 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
11. TYPICAL PAVEMENT SECTION DETAILS ARE SHOWN WITHIN THIS SET AND INTENDED TO BE A MINIMUM PAVEMENT SECTION REQUIREMENT. THE CURRENT GEOTECHNICAL REPORT SHALL OVER-RIDE ALL TYPICAL PAVEMENT SECTIONS SHOWN, IF THE GEOTECHNICAL ENGINEER DEEMS A HEAVIER SECTION IS REQUIRED.
12. EQUIPMENT AND PRODUCTS OTHER THAN THOSE SPECIFIED MAY BE USED PROVIDED APPROVAL HAS BEEN OBTAINED FROM THE OWNER IN WRITING PRIOR TO ORDERING OR INSTALLATION. THE CONTRACTOR SHALL WAIVE ANY CLAIM FOR ADDITIONAL COST RELATED TO SUBSTITUTION OF ALTERNATE EQUIPMENT.
13. ALL SIGNAGE ASSOCIATED WITH THE PUBLIC STREET SYSTEM SHALL ADHERE TO MUTCD STANDARDS AND SPECIFICATIONS.

NOTES:

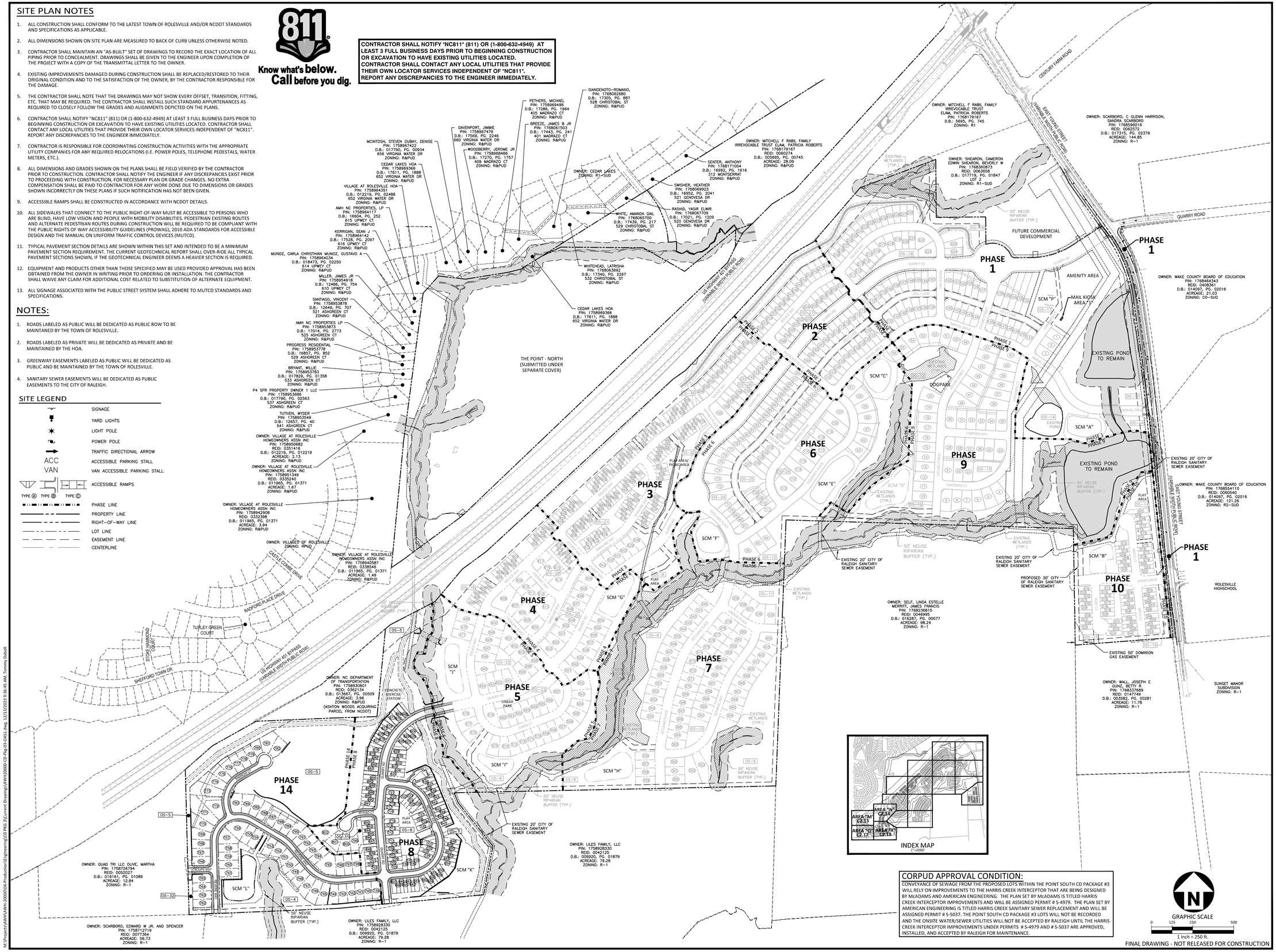
1. ROADS LABELED AS PUBLIC WILL BE DEDICATED AS PUBLIC ROW TO BE MAINTANED BY THE TOWN OF ROLESVILLE.
2. ROADS LABELED AS PRIVATE WILL BE DEDICATED AS PRIVATE AND BE MAINTAINED BY THE HOA.
3. GREENWAY EASEMENTS LABELED AS PUBLIC WILL BE DEDICATED AS PUBLIC AND BE MAINTAINED BY THE TOWN OF ROLESVILLE.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

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

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.



CORPUD APPROVAL CONDITION:

CONVEYANCE OF SEWAGE FROM THE PROPOSED LOTS WITHIN THE POINT SOUTH CD PACKAGE #3 WILL RELY ON IMPROVEMENTS TO THE HARRIS CREEK INTERCEPTOR THAT ARE BEING DESIGNED BY McADAMS AND AMERICAN ENGINEERING. THE PLAN SET BY McADAMS IS TITLED HARRIS CREEK INTERCEPTOR IMPROVEMENTS AND WILL BE ASSIGNED PERMIT # S-4979. THE PLAN SET BY AMERICAN ENGINEERING IS TITLED HARRIS CREEK SANITARY SEWER REPLACEMENT AND WILL BE ASSIGNED PERMIT # S-5037. THE POINT SOUTH CD PACKAGE #3 LOTS WILL NOT BE RECORDED AND THE ONSITE WATER/SEWER UTILITIES WILL NOT BE ACCEPTED BY RALEIGH UNTIL THE HARRIS CREEK INTERCEPTOR IMPROVEMENTS UNDER PERMITS # S-4979 AND # S-5037 ARE APPROVED, INSTALLED, AND ACCEPTED BY RALEIGH FOR MAINTENANCE.

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

M:\Projects\AWH\AWH-20000\04-Production\Engineering\CD PKG 3\Current Drawing\AWH20000-CD-Pkg-03-OAS1.dwg, 12/13/2023 9:36:45 AM, Tommy Daboll

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

CD XX-XX

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

REVISIONS

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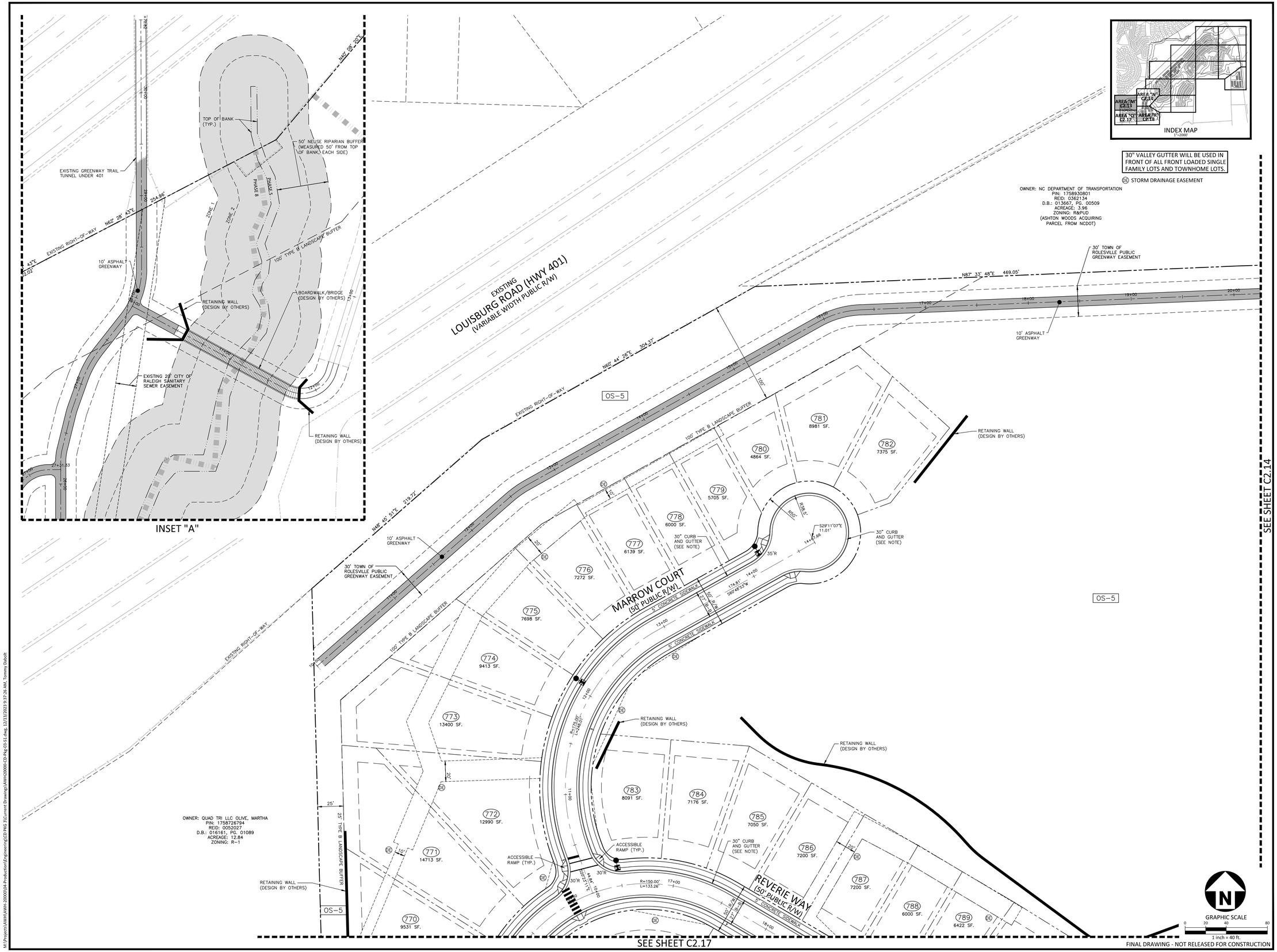
SHEET

OVERALL SITE PLAN

C2.00



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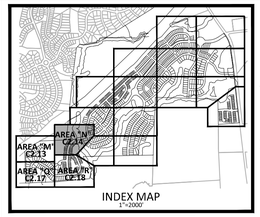
SHEET

SITE PLAN
AREA "M"

C2.13

M:\Projects\AWH\AWH-20000\04-Production\Engineering\CD PKG 3\Current Drawings\AWH20000-CD-Pkg-03-S1.dwg, 12/13/2023 9:37:26 AM, Tommy Dabolt



INDEX MAP
1"=2000'

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

SEE INSET "A" - SHEET C2.13

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

EXISTING RIGHT-OF-WAY

DE STORM DRAINAGE EASEMENT

OWNER: NC DEPARTMENT OF TRANSPORTATION
PIN: 1758930801
REID: 0362134
D.B.: 013667, PG. 00509
ACREAGE: 3.96
ZONING: R&PUD
(ASHTON WOODS ACQUIRING PARCEL FROM NCDOT)

30' TOWN OF ROLESVILLE PUBLIC GREENWAY EASEMENT

N88° 08' 47"E 266.04'

10' ASPHALT GREENWAY

100' TYPE B LANDSCAPE BUFFER

10' ASPHALT GREENWAY

30' TOWN OF ROLESVILLE PUBLIC GREENWAY EASEMENT

N04° 30' 43"E 535.11'

10' ASPHALT GREENWAY

10' ASPHALT GREENWAY

OS-5

CONCRETE EXERCISE STATION

R=15'

EXISTING 20' CITY OF RALEIGH SANITARY SEWER EASEMENT

PHASE 8

PHASE 5

ZONE 1

ZONE 2

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

TOP OF BANK (TYP.)

STORMWATER CONTROL MEASURE "I" (WET POND)
OS-18

STORMWATER CONTROL MEASURE ACCESS AND MAINTENANCE EASEMENT

PROPOSED 40' CITY OF RALEIGH SANITARY SEWER EASEMENT

RETAINING WALL (DESIGN BY OTHERS)

40' STORM DRAINAGE EASEMENT

QUARRY ROAD (60' PUBLIC R/W)

HIGH VISIBILITY CROSSWALK (TYP.)

RETAINING WALL (DESIGN BY OTHERS)

668 2474 SF.
669 1910 SF.
670 1910 SF.
671 2474 SF.
672 2529 SF.
673 1922 SF.
674 1895 SF.
675 1895 SF.
676 1922 SF.
677 2529 SF.
678 2668 SF.
679 1997 SF.
680 1940 SF.
681 1911 SF.
682 1905 SF.
683 2424 SF.
684 2421 SF.
685 1902 SF.
686 1902 SF.
687 1902 SF.

624 2462 SF.
625 1993 SF.
626 2008 SF.
627 1993 SF.
628 2462 SF.
629 2506 SF.
630 2091 SF.
631 2161 SF.
632 2199 SF.
633 2208 SF.
634 2208 SF.
635 2811 SF.
636 3270 SF.
637 2239 SF.
638 2630 SF.
639 1884 SF.

30" CURB AND GUTTER (SEE NOTE)

ACCESSIBLE RAMP (TYP.)

5' CONCRETE SIDEWALK

REVERIE WAY (50' PUBLIC R/W)

MAIL KIOSK AREA "4"

6' CONCRETE SIDEWALK

8 SPACES

ACCESSIBLE PARKING SIGN

VAN

OS-6

OS-7

OS-8

598 6250 SF.
597 7847 SF.
596 8487 SF.
595 6933 SF.
594 6250 SF.
593 6250 SF.
580 10023 SF.
579 7432 SF.
578 7556 SF.
577 7506 SF.
575 7506 SF.
574 7558 SF.
581 6340 SF.

SOLACE WAY (50' PUBLIC R/W)

CHARNT COURT (50' PUBLIC R/W)

OS-22

OS-23

50' R/W 27' B-B

60' R/W 35' B-B

5' CONCRETE SIDEWALK

30' CURB AND GUTTER (SEE NOTE)

ACCESSIBLE RAMP (TYP.)

STORMWATER CONTROL MEASURE "K" (WET POND)
OS-8

EXISTING 20' CITY OF RALEIGH SANITARY SEWER EASEMENT

20' TYPE B LANDSCAPE BUFFER

SEE SHEET C2.13

SEE SHEET C2.18

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

M:\Projects\AWH\AWH-20000\04-Production\Engineering\CD PKG 3\Current Drawing\AWH20000-CD-PKG-03-S1.dwg, 12/13/2023 9:45:21 AM, Tommy Daboll

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CD XX-XX

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PLAN INFORMATION

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SHEET

SITE PLAN
AREA "N"
C2.14

SEE SHEET C2.13

SEE SHEET C2.18

MARROW COURT
(50' PUBLIC R/W)

TROUPE WAY
(50' PUBLIC R/W)

REVERIE WAY
(50' PUBLIC R/W)

REVERIE WAY
(50' PUBLIC R/W)

REVERIE WAY
(50' PUBLIC R/W)

EXISTING PROPERTY LINE

OWNER: QUAD TRI LLC OLIVE, MARTHA
PIN: 1758726794
REID: 0052027
D.B.: 016161, PG. 01089
ACREAGE: 12.84
ZONING: R-1

OWNER: SCARBORO, EDWARD W JR. AND SPENCER
PIN: 1758712719
REID: 0077364
ACREAGE: 56.73
ZONING: R-1

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

STORMWATER CONTROL MEASURE "L"
(WET POND)

OS-4

OS-5

OS-32

770 9531 SF.
771 14713 SF.
772 12990 SF.
786 7200 SF.
787 7200 SF.
788 6000 SF.
789 6422 SF.
790 7187 SF.
791 7003 SF.
792 6500 SF.
793 6500 SF.
794 6498 SF.
795 12769 SF.
801 9922 SF.
802 11627 SF.
769 7290 SF.
768 5996 SF.
767 5675 SF.
766 6169 SF.
765 6189 SF.
764 5675 SF.
763 5675 SF.
762 5675 SF.
757 8356 SF.
758 6000 SF.
759 6000 SF.
760 6000 SF.
761 6000 SF.
756 10112 SF.
755 6000 SF.
754 6000 SF.
753 6000 SF.
752 6748 SF.
751 6006 SF.
750 5989 SF.
749 6000 SF.
748 6891 SF.
747 7789 SF.
746 8725 SF.
745 8201 SF.
744 7169 SF.

ACCESSIBLE RAMP (TYP.)
30" CURB AND GUTTER (SEE NOTE)
RETAINING WALL (DESIGN BY OTHERS)
VARIABLE WIDTH TEMPORARY CONSTRUCTION EASEMENT (TYP.)
30" VALLEY CURB AND GUTTER
(3) OM4-3 END OF ROAD MARKERS WITH "FUTURE ROAD EXTENSION" ATTACHED TO CENTER MARKER
TEMPORARY TURN AROUND
25' TYPE B LANDSCAPE BUFFER
STORMWATER CONTROL MEASURE ACCESS AND MAINTENANCE EASEMENT
50' NEUSE RIPARIAN BUFFER (MEASURED 50' FROM TOP OF BANK, EACH SIDE)
TOP OF BANK (TYP.)
ZONE 1
ZONE 2
PHASE 14
PHASE 8
PHASE 5
PHASE 14

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

SE STORM DRAINAGE EASEMENT

INDEX MAP
1"=2000'
AREA "M" C2.13
AREA "N" C2.14
AREA "O" C2.15
AREA "Q" C2.17
AREA "R" C2.18

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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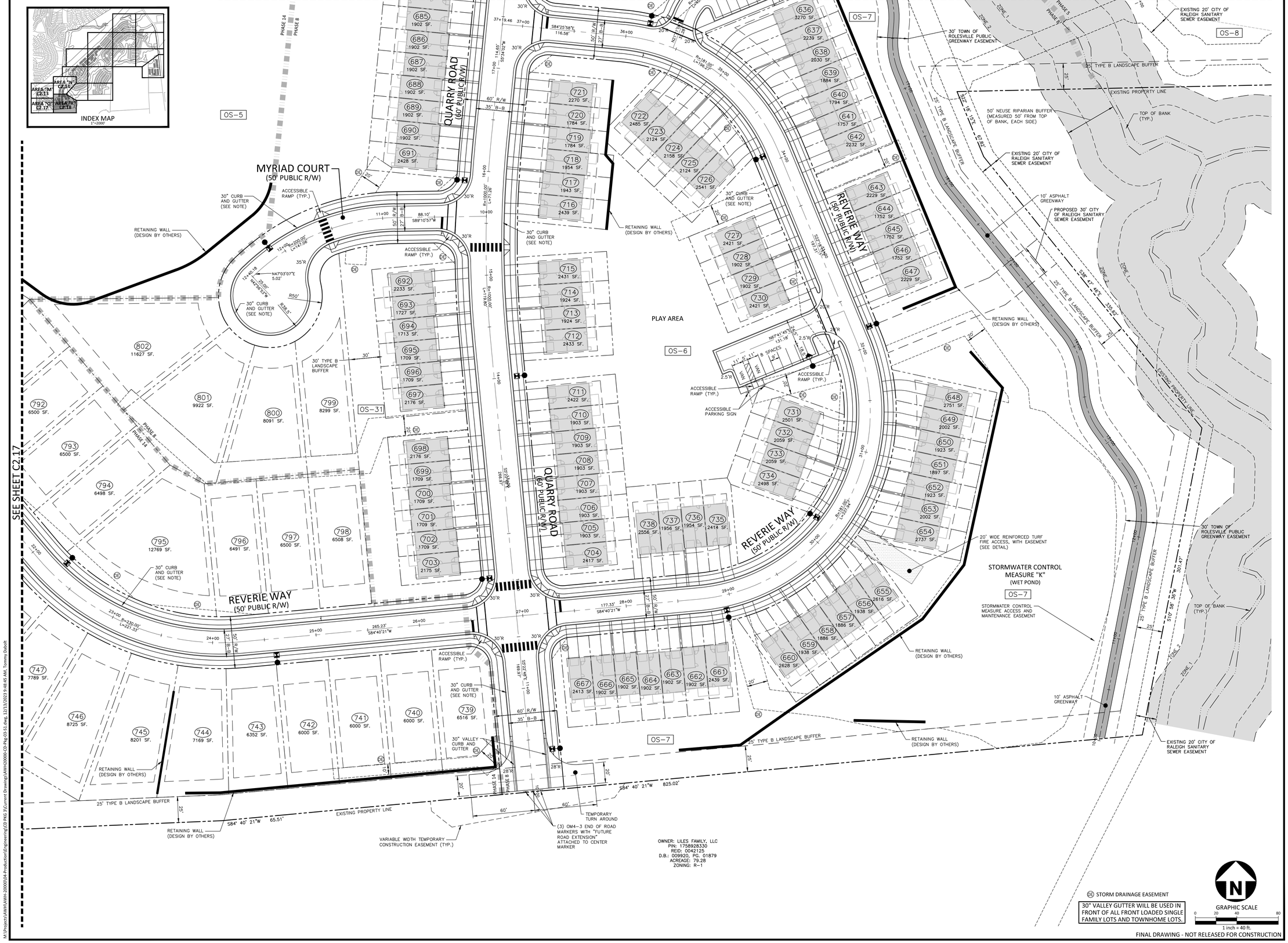
SITE PLAN
AREA "Q"
C2.17

M:\Projects\AWH\AWH-20000\04-Production\Engineering\CD PKG 3\Current Drawing\AWH20000-CD-PKG-03-S1.dwg, 12/13/2023 9:46:03 AM, Tommy Diboll



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SITE PLAN
AREA "R"
C2.18

STORM DRAINAGE NOTES

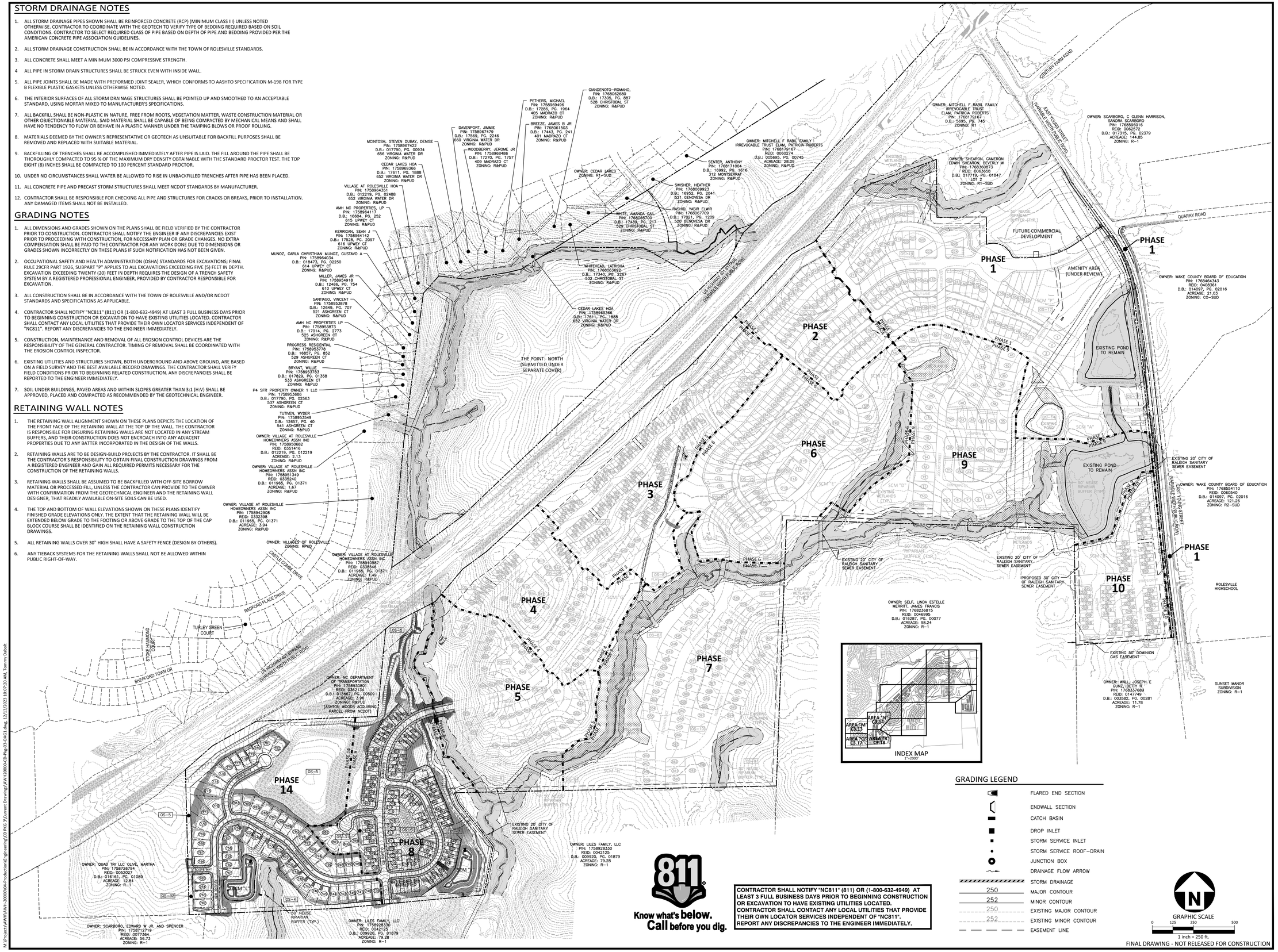
1. ALL STORM DRAINAGE PIPES SHOWN SHALL BE REINFORCED CONCRETE (RCP) (MINIMUM CLASS III) UNLESS NOTED OTHERWISE. CONTRACTOR TO COORDINATE WITH THE GEOTECH TO VERIFY TYPE OF BEDDING REQUIRED BASED ON SOIL CONDITIONS. CONTRACTOR TO SELECT REQUIRED CLASS OF PIPE BASED ON DEPTH OF PIPE AND BEDDING PROVIDED PER THE AMERICAN CONCRETE PIPE ASSOCIATION GUIDELINES.
2. ALL STORM DRAINAGE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TOWN OF ROLESVILLE STANDARDS.
3. ALL CONCRETE SHALL MEET A MINIMUM 3000 PSI COMPRESSIVE STRENGTH.
4. ALL PIPE IN STORM DRAIN STRUCTURES SHALL BE STRUCK EVEN WITH INSIDE WALL.
5. ALL PIPE JOINTS SHALL BE MADE WITH PREFORMED JOINT SEALER, WHICH CONFORMS TO AASHTO SPECIFICATION M-198 FOR TYPE B FLEXIBLE PLASTIC GASKETS UNLESS OTHERWISE NOTED.
6. THE INTERIOR SURFACES OF ALL STORM DRAINAGE STRUCTURES SHALL BE POINTED UP AND SMOOTHED TO AN ACCEPTABLE STANDARD, USING MORTAR MIXED TO MANUFACTURER'S SPECIFICATIONS.
7. ALL BACKFILL SHALL BE NON-PLASTIC IN NATURE, FREE FROM ROOTS, VEGETATION MATTER, WASTE CONSTRUCTION MATERIAL OR OTHER OBJECTIONABLE MATERIAL. SAID MATERIAL SHALL BE CAPABLE OF BEING COMPACTED BY MECHANICAL MEANS AND SHALL HAVE NO TENDENCY TO FLOW OR BEHAVE IN A PLASTIC MANNER UNDER THE TAMPING BLOWS OR PROOF ROLLING.
8. MATERIALS DEEMED BY THE OWNER'S REPRESENTATIVE OR GEOTECH AS UNSUITABLE FOR BACKFILL PURPOSES SHALL BE REMOVED AND REPLACED WITH SUITABLE MATERIAL.
9. BACKFILLING OF TRENCHES SHALL BE ACCOMPLISHED IMMEDIATELY AFTER PIPE IS LAID. THE FILL AROUND THE PIPE SHALL BE THOROUGHLY COMPACTED TO 95 % OF THE MAXIMUM DRY DENSITY OBTAINABLE WITH THE STANDARD PROCTOR TEST. THE TOP EIGHT (8) INCHES SHALL BE COMPACTED TO 100 PERCENT STANDARD PROCTOR.
10. UNDER NO CIRCUMSTANCES SHALL WATER BE ALLOWED TO RISE IN UNBACKFILLED TRENCHES AFTER PIPE HAS BEEN PLACED.
11. ALL CONCRETE PIPE AND PRECAST STORM STRUCTURES SHALL MEET NCDOT STANDARDS BY MANUFACTURER.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING ALL PIPE AND STRUCTURES FOR CRACKS OR BREAKS, PRIOR TO INSTALLATION. ANY DAMAGED ITEMS SHALL NOT BE INSTALLED.

GRADING NOTES

1. ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER 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.
2. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS; FINAL RULE 29CFR PART 1926, SUBPART "P" APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH. EXCAVATION EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRES THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER, PROVIDED BY CONTRACTOR RESPONSIBLE FOR EXCAVATION.
3. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TOWN OF ROLESVILLE AND/OR NCDOT STANDARDS AND SPECIFICATIONS AS APPLICABLE.
4. 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.
5. CONSTRUCTION, MAINTENANCE AND REMOVAL OF ALL EROSION CONTROL DEVICES ARE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. TIMING OF REMOVAL SHALL BE COORDINATED WITH THE EROSION CONTROL INSPECTOR.
6. EXISTING UTILITIES AND STRUCTURES SHOWN, BOTH UNDERGROUND AND ABOVE GROUND, ARE BASED ON A FIELD SURVEY AND THE BEST AVAILABLE RECORD DRAWINGS. THE CONTRACTOR SHALL VERIFY FIELD CONDITIONS PRIOR TO BEGINNING RELATED CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
7. SOIL UNDER BUILDINGS, PAVED AREAS AND WITHIN SLOPES GREATER THAN 3:1 (H:V) SHALL BE APPROVED, PLACED AND COMPACTED AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.

RETAINING WALL NOTES

1. THE RETAINING WALL ALIGNMENT SHOWN ON THESE PLANS DEPICTS THE LOCATION OF THE FRONT FACE OF THE RETAINING WALL AT THE TOP OF THE WALL. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING RETAINING WALLS ARE NOT LOCATED IN ANY STREAM BUFFERS, AND THEIR CONSTRUCTION DOES NOT ENCROACH INTO ANY ADJACENT PROPERTIES DUE TO ANY BATTER INCORPORATED IN THE DESIGN OF THE WALLS.
2. RETAINING WALLS ARE TO BE DESIGN-BUILD PROJECTS BY THE CONTRACTOR. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN FINAL CONSTRUCTION DRAWINGS FROM A REGISTERED ENGINEER AND GAIN ALL REQUIRED PERMITS NECESSARY FOR THE CONSTRUCTION OF THE RETAINING WALLS.
3. RETAINING WALLS SHALL BE ASSUMED TO BE BACKFILLED WITH OFF-SITE BORROW MATERIAL OR PROCESSED FILL, UNLESS THE CONTRACTOR CAN PROVIDE TO THE OWNER WITH CONFIRMATION FROM THE GEOTECHNICAL ENGINEER AND THE RETAINING WALL DESIGNER, THAT READILY AVAILABLE ON-SITE SOILS CAN BE USED.
4. THE TOP AND BOTTOM OF WALL ELEVATIONS SHOWN ON THESE PLANS IDENTIFY FINISHED GRADE ELEVATIONS ONLY. THE EXTENT THAT THE RETAINING WALL WILL BE EXTENDED BELOW GRADE TO THE FOOTING OR ABOVE GRADE TO THE TOP OF THE CAP BLOCK COURSE SHALL BE IDENTIFIED ON THE RETAINING WALL CONSTRUCTION DRAWINGS.
5. ALL RETAINING WALLS OVER 30" HIGH SHALL HAVE A SAFETY FENCE (DESIGN BY OTHERS).
6. ANY TIEBACK SYSTEMS FOR THE RETAINING WALLS SHALL NOT BE ALLOWED WITHIN PUBLIC RIGHT-OF-WAY.



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PHONE: 919. 422. 7663
CONTACT: BOB MISHLER

ASHTON WOODS

REVISIONS

NO.	DATE

PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-03-OAG1
CHECKED BY	WTO
DRAWN BY	TKD
SCALE	1"=250'
DATE	12. 13. 2023

SHEET

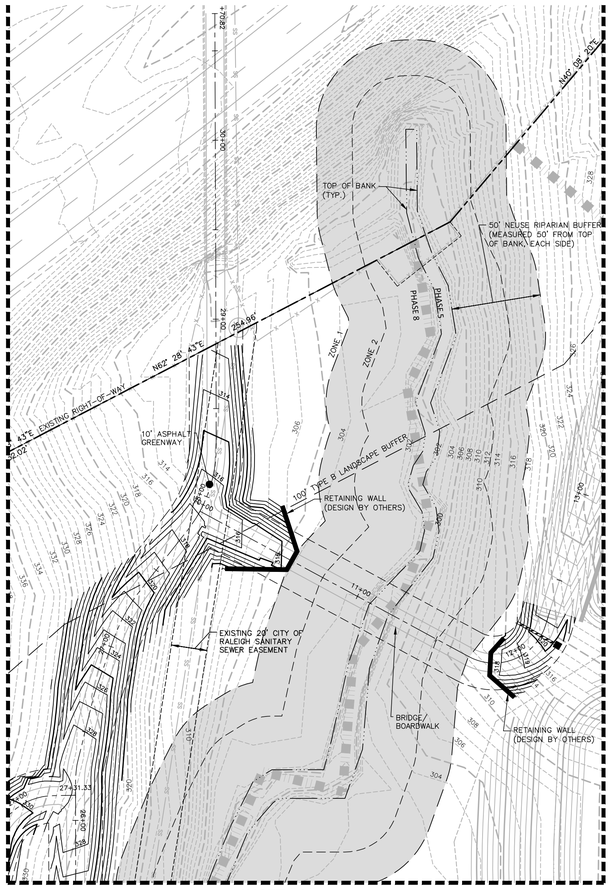
OVERALL GRADING AND STORM DRAINAGE PLAN

C3.00

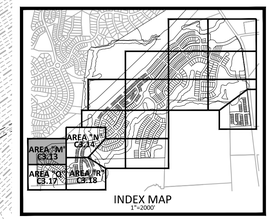
NORTH CAROLINA PROFESSIONAL SEAL 22630 ENGINEER WILLIAM T. O'DANIEL

NOT FOR CONSTRUCTION

M:\Projects\AWH\AWH-20000\04-Production\Engineering\CD PKG 3\Current Drawing\AWH20000-CD-Pkg-03-OAG1.dwg, 12/13/2023 10:07:20 AM, Tommy Daboll



INSET "A"



INDEX MAP
1"=2000'

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

SD STORM DRAINAGE EASEMENT

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

OWNER: NC DEPARTMENT OF TRANSPORTATION
PIN: 1758930801
REID: 0362134
D.B.: 013667, PG. 00509
ACREAGE: 3.96
ZONING: R&PUD
(ASHTON WOODS ACQUIRING PARCEL FROM NCDOT)

30' TOWN OF ROLESVILLE PUBLIC GREENWAY EASEMENT

N87° 33' 48"E 469.05'

10' ASPHALT GREENWAY

N60° 44' 26"E 304.37'

EXISTING RIGHT-OF-WAY

OS-5

100' TYPE B LANDSCAPE BUFFER

DI-2043

160.74 LF 12" HDPE @ 2.70%

15" RCP CULVERT

N48° 45' 51"E 219.72'

DI-2042

63.26 LF 15" HDPE @ 2.73%

DI-2041

71.37 LF 15" HDPE @ 2.58%

DI-2040

121.54 LF 15" HDPE @ 5.10%

DI-2039

50.79 LF 18" HDPE @ 0.60%

DI-2036

68.29 LF 15" HDPE @ 1.10%

DI-2037

117.57 LF 12" HDPE @ 0.61%

MARROW COURT (50' PUBLIC R/W)

CB-2034

CB-2033

24.50 LF 15" RCP @ 0.60%

CB-2032

135.85 LF 15" RCP @ 4.52%

CB-2031

24.50 LF 18" RCP @ 0.60%

104.88 LF 18" RCP @ 5.57%

CB-2035

CB-2030

24.50 LF 24" RCP @ 0.60%

116.37 LF 18" RCP @ 1.20%

CB-2036

74.84 LF 30" RCP @ 0.60%

CB-2029

57.88 LF 30" RCP @ 0.95%

86.60 LF 30" RCP @ 1.13%

REVERIE WAY (50' PUBLIC R/W)

24.50 LF 30" RCP @ 0.60%

CB-2028

44.38 LF 30" RCP @ 0.60%

CB-2027

24.48 LF 30" RCP @ 0.60%

CB-2023

CB-2024

CB-2022

CB-2021

26.46 LF 30" RCP @ 0.60%

62.10 LF 30" RCP @ 2.69%

DI-2018

60.08 LF 15" HDPE @ 1.27%

DI-2019

105.02 LF 15" HDPE @ 1.36%

DI-2017

67.77 LF 15" HDPE @ 0.60%

DI-2020

65.00 LF 36" RCP @ 1.06%

TW=397.50
BW=397.00

TW=393.00
BW=389.00

RETAINING WALL (DESIGN BY OTHERS)

TW=389.50
BW=388.50

TW=376.50
BW=376.00

TW=376.00
BW=375.00

TW=374.00
BW=366.00

RETAINING WALL (DESIGN BY OTHERS)

TW=370.00
BW=365.00

TW=370.00
BW=368.00

TW=376.00
BW=372.00

TW=373.00
BW=368.00

TW=380.00
BW=369.00

TW=384.00
BW=383.50

100' TYPE B LANDSCAPE BUFFER

RETAINING WALL (DESIGN BY OTHERS)

OWNER: QUAD TRI LLC OLIVE, MARTHA
PIN: 1758726794
REID: 0052027
D.B.: 016161, PG. 01089
ACREAGE: 12.84
ZONING: R-10

781 782 780 779 778 777 776 775 774 773 772 771 770 783 784 785 786 787 788 789

DI-2017
T/G=359.80
INV IN=353.00 (CB-2021)
INV IN=351.56 (DI-2018)
INV OUT=350.11

DI-2018
T/G=358.20
INV IN=353.19 (DI-2019)
INV OUT=352.99

DI-2019
T/G=357.00
INV IN=354.05 (DI-2020)
INV OUT=353.95

DI-2020
T/G=358.00
INV OUT=354.70

CB-2021
T/C=360.74
INV IN=355.24 (CB-2022)
INV OUT=354.67

CB-2022
T/C=361.01
INV IN=355.51 (CB-2023)
INV OUT=355.40

CB-2023
T/C=364.57
INV IN=356.70 (CB-2024)
INV OUT=356.60

CB-2024
T/C=366.73
INV IN=357.35 (CB-2027)
INV IN=362.48 (CB-2025)
INV OUT=357.25

CB-2027
T/C=366.73
INV IN=357.59 (CB-2028)
INV OUT=357.49

CB-2028
T/C=366.06
INV IN=357.96 (CB-2029)
INV OUT=357.86

CB-2029
T/C=366.06
INV IN=358.21 (CB-2030)
INV OUT=358.11

CB-2030
T/C=369.24
INV IN=361.65 (CB-2031)
INV IN=359.15 (CB-2035)
INV OUT=358.65

CB-2031
T/C=374.62
INV IN=370.37 (CB-2033)
INV IN=367.59 (CB-2032)
INV OUT=367.49

CB-2032
T/C=374.62
INV OUT=367.74

CB-2033
T/C=381.01
INV IN=378.61 (CB-2034)
INV OUT=376.51

CB-2034
T/C=381.01
INV OUT=376.76

CB-2035
T/C=369.24
INV IN=359.80 (DI-2036)
INV OUT=359.30

DI-2036
T/G=365.00
INV IN=361.70 (DI-2039)
INV IN=361.95 (DI-2037)
INV OUT=361.20

DI-2037
T/G=366.17
INV IN=362.80 (DI-2038)
INV OUT=362.70

DI-2039
T/G=366.09
INV IN=362.28 (DI-2040)
INV OUT=362.00

DI-2040
T/G=371.86
INV IN=368.58 (DI-2041)
INV OUT=368.48

DI-2041
T/G=373.77
INV IN=370.52 (DI-2042)
INV OUT=370.42

DI-2042
T/G=375.50
INV IN=372.50 (DI-2043)
INV OUT=372.25

DI-2043
T/G=379.84
INV OUT=376.84

SEE SHEET C3.14

SEE SHEET C3.17

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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

M:\Projects\AWH\AWH-20000\04-Production\Engineering\CD PKG 3\Current Drawings\AWH20000-CD-Pkg-03-G1.dwg, 12/13/2023 9:54:33 AM, Tommy Daboit

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ASHTON WOODS

THE POINT
PHASES 8 AND 14
CONSTRUCTION DRAWINGS - PACKAGE 3
EAST YOUNG STREET
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP, WAKE COUNTY, NORTH CAROLINA

CD XX-XX

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

REVISIONS

NO.	DATE

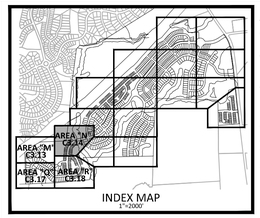
PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-03-G1
CHECKED BY	WTO
DRAWN BY	TKD
SCALE	1"=40'
DATE	12. 13. 2023

SHEET

GRADING AND STORM DRAINAGE PLAN AREA "M"

C3.13



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.

SD STORM DRAINAGE EASEMENT

SEE INSET "A" - SHEET C3.13

SEE SHEET C3.13

SEE SHEET C3.18

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

EXISTING RIGHT-OF-WAY

100' TYPE B LANDSCAPE BUFFER

10' ASPHALT GREENWAY

30' TOWN OF ROLESVILLE PUBLIC GREENWAY EASEMENT

EXISTING 20' CITY OF RALEIGH SANITARY SEWER EASEMENT

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

TOP OF BANK (TYP.)

STORMWATER CONTROL MEASURE "I" (WET POND)
OS-18

STORMWATER CONTROL MEASURE ACCESS AND MAINTENANCE EASEMENT

SOLACE WAY (50' PUBLIC R/W)

OS-22

OS-23

OS-5

OS-7

OS-8

CONCRETE EXERCISE STATION

QUARRY ROAD (60' PUBLIC R/W)

REVERIE WAY (50' PUBLIC R/W)

CHARM COURT (50' PUBLIC R/W)

MAIL KIOSK AREA "4"

STORMWATER CONTROL MEASURE "K" (WET POND)
OS-8

RETAINING WALL (DESIGN BY OTHERS)

PROPOSED 40' CITY OF RALEIGH SANITARY SEWER EASEMENT

EXISTING 20' CITY OF RALEIGH SANITARY SEWER EASEMENT

40' STORM DRAINAGE EASEMENT

VELOCITY DISSIPATOR 28'Lx25.87'Wx24"TH CLASS "1" RIP RAP

15" RCP CULVERT

10' ASPHALT GREENWAY

30' TOWN OF ROLESVILLE PUBLIC GREENWAY EASEMENT

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

20' TYPE B LANDSCAPE BUFFER

PHASE 5

PHASE 8

PHASE 8A

PHASE 8B

ZONE 1

ZONE 2

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-1103 T/C=322.17 INV IN=317.60 (CB-1104) INV IN=314.22 (DI-1105) INV IN=313.82 (CB-1106) INV OUT=313.72

CB-1104 T/C=322.17 INV OUT=317.90

DI-1105 T/G=317.05 INV OUT=314.40

CB-1106 T/C=320.31 INV IN=315.66 (CB-1107) INV IN=314.75 (CB-1108) INV OUT=314.65

CB-1107 T/C=320.31 INV OUT=316.06

CB-1108 T/C=321.90 INV IN=315.85 (DI-1109) INV IN=317.19 (CB-1110) INV IN=315.79 (CB-1112) INV OUT=315.49

DI-1109 T/G=320.00 INV OUT=316.32

CB-1110 T/C=321.90 INV IN=317.65 (DI-1111) INV OUT=317.55

DI-1111 T/G=323.00 INV OUT=318.75

CB-1112 T/C=325.40 INV IN=320.76 (CB-1113) INV OUT=320.66

CB-1113 T/C=325.40 INV IN=321.06 (DI-1114) INV OUT=320.96

DI-1114 T/G=325.80 INV OUT=321.55

CB-1822 T/C=332.20 INV IN=327.28 (CB-1823) INV OUT=327.18

CB-1820 T/C=337.50 INV IN=321.63 (CB-1825) INV IN=326.18 (CB-1821) INV OUT=321.53

CB-1821 T/C=337.50 INV IN=326.42 (CB-1822) INV OUT=326.32

CB-1823 T/C=332.00 INV IN=327.75 (DI-1824) INV OUT=327.65

DI-1824 T/C=333.00 INV OUT=327.94

CB-1825 T/C=340.36 INV IN=333.96 (CB-1836) INV IN=323.68 (CB-1826) INV OUT=322.18

CB-1827 T/C=339.34 INV IN=324.32 (CB-1828) INV OUT=324.22

CB-1828 T/C=339.31 INV IN=334.50 (DI-1829) INV IN=324.76 (CB-1830) INV OUT=324.51

DI-1829 T/G=340.00 INV OUT=335.60

CB-1830 T/C=336.19 INV IN=326.41 (CB-1831) INV IN=325.26 (CB-1832) INV OUT=325.16

CB-1831 T/C=335.16 INV OUT=326.64

CB-1832 T/C=331.98 INV IN=325.91 (DI-1833) INV IN=325.91 (CB-1834) INV OUT=325.81

DI-1833 T/G=332.70 INV OUT=328.24

CB-1834 T/C=331.33 INV IN=326.22 (DI-1835) INV OUT=326.12

DI-1835 T/G=331.00 INV OUT=326.75

CB-1836 T/C=342.67 INV IN=336.70 (CB-1837) INV OUT=335.96

CB-1837 T/C=342.86 INV IN=337.36 (CB-1838) INV OUT=337.26

FLARED END SECTION INV=310.00

OWNER: NC DEPARTMENT OF TRANSPORTATION
PIN: 1758930801
REID: 0362134
D.B.: 013667, PG: 00509
ACREAGE: 3.98
ZONING: R&PUD
(ASHTON WOODS ACQUIRING PARCEL FROM NCDOT)

N88° 08' 47"E 266.04'

S00° 30' 43"E 535.11'

TW=355.00 BW=328.00

TW=354.50 BW=333.00

TW=354.00 BW=334.00

TW=341.00 BW=340.00

TW=343.50 BW=328.00

TW=330.00 BW=329.00

TW=302.00 BW=301.50

TW=313.00 BW=300.50

TW=313.50 BW=301.50

TW=304.00 BW=303.50

TW=313.50 BW=300.50

TW=305.00 BW=304.50

TW=319.00 BW=317.00

TW=303.00 BW=302.50

TW=314.00 BW=300.50

TW=317.50 BW=314.00

TW=315.50 BW=315.00

TW=333.00 BW=304.00

TW=333.00 BW=302.00

TW=333.00 BW=308.50

92.69 LF 84" RCP @ 1.08%

72" INV. IN=299.00

93.04 LF 72" RCP @ 1.07%

32.50 LF 15" RCP @ 1.22%

92.93 LF 15" RCP @ 1.18%

32.50 LF 15" RCP @ 1.12%

88.45 LF 15" RCP @ 0.56%

32.50 LF 15" RCP @ 0.60%

97.01 LF 15" RCP @ 5.00%

85.15 LF 15" RCP @ 0.55%

39.20 LF 15" RCP @ 0.60%

85.11 LF 15" RCP @ 2.74%

87.94 LF 15" RCP @ 0.60%

91.90 LF 15" RCP @ 0.60%

39.01 LF 15" RCP @ 0.60%

85.61 LF 15" RCP @ 1.29%

66.41 LF 15" RCP @ 0.60%

48.76 LF 18" RCP @ 0.60%

25.80 LF 15" RCP @ 0.60%

32.51 LF 18" RCP @ 0.60%

24.50 LF 18" RCP @ 0.60%

24.49 LF 15" RCP @ 0.60%

46.32 LF 36" RCP @ 4.11%

20.84 LF 36" RCP @ 0.60%

31.36 LF 15" RCP @ 0.60%

76.21 LF 36" RCP @ 0.60%

122.60 LF 18" RCP @ 0.60%

93.35 LF 72" RCP @ 1.07%

139.35 LF 24" RCP @ 0.60%

61.82 LF 15" RCP @ 0.60%

72" INV. IN=298.00

84" INV. IN=295.00

10' ASPHALT GREENWAY

EXISTING 20' CITY OF RALEIGH SANITARY SEWER EASEMENT

RETAINING WALL (DESIGN BY OTHERS)

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

M:\Projects\AWH\AWH-20000\04-Production\Engineering\CD PKG 3\Current Drawing\AWH20000-CD-PKG-03-G1.dwg, 12/13/2023 1:58:39 PM, Tommy Daboll

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2905 Meridian Parkway
Durham, NC 27713

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

www.mcadamsco.com

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900 RIDGEFIELD DRIVE, SUITE 335
RALEIGH, NORTH CAROLINA 27609
PHONE: 919. 422. 7663
CONTACT: BOB MISHLER

ASHTON WOODS

THE POINT
PHASES 8 AND 14
CONSTRUCTION DRAWINGS - PACKAGE 3
EAST YOUNG STREET
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP, WAKE COUNTY, NORTH CAROLINA

CD XX-XX

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-03-G1
CHECKED BY	WTO
DRAWN BY	TKD
SCALE	1"=40'
DATE	12. 13. 2023

SHEET

GRADING AND STORM DRAINAGE PLAN AREA "N"

C3.14

SEE SHEET C3.13

SEE SHEET C3.18

MARROW COURT
(50' PUBLIC R/W)

REVERIE WAY
(50' PUBLIC R/W)

TROUPE WAY
(50' PUBLIC R/W)

STORMWATER CONTROL MEASURE "L"
(WET POND)

OS-4

OS-5

EXISTING PROPERTY LINE

25' TYPE B LANDSCAPE BUFFER

RETAINING WALL (DESIGN BY OTHERS)

VARIABLE WIDTH TEMPORARY CONSTRUCTION EASEMENT (TYP.)

STORMWATER CONTROL MEASURE ACCESS AND MAINTENANCE EASEMENT

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

TOP OF BANK (TYP.)

VELOCITY DISSIPATOR 21'Lx7.9'Wx18"THK CLASS "B" RIP RAP

OWNER: QUAD TRI LLC OLIVE, MARTHA
PIN: 1758726794
REID: 0052027
D.B.: 016161; PG. 01089
ACREAGE: 12.84
ZONING: R-1

OWNER: SCARBORO, EDWARD W JR. AND SPENCER
PIN: 1758712719
REID: 0077364
ACREAGE: 56.73
ZONING: R-1

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

EW-2000
INV=340.50

JB-2001
RIM=348.50
INV IN=342.00 (JB-2006)
INV IN=343.80 (DI-2002)
INV IN=343.90 (DI-2001A)
INV OUT=341.90

DI-2001A
T/G=347.35
INV OUT=344.09

DI-2002
T/G=347.83
INV IN=344.11 (DI-2003)
INV OUT=344.01

DI-2003
T/G=350.36
INV IN=344.88 (DI-2004)
INV OUT=344.78

DI-2004
T/G=348.00
INV IN=345.55 (DI-2005)
INV OUT=345.40

DI-2005
T/G=348.48
INV OUT=346.39

JB-2006
RIM=359.40
INV IN=348.54 (CB-2007)
INV OUT=348.44

CB-2007
T/C=359.17
INV IN=348.77 (CB-2016)
INV IN=352.19 (CB-2008)
INV OUT=348.67

CB-2008
T/C=361.28
INV IN=353.11 (CB-2009)
INV OUT=353.01

CB-2009
T/C=361.28
INV IN=353.36 (CB-2010)
INV OUT=353.26

CB-2010
T/C=363.73
INV IN=354.00 (CB-2011)
INV OUT=353.90

CB-2011
T/C=363.79
INV IN=359.29 (CB-2012)
INV IN=355.39 (CB-2013)
INV OUT=355.14

CB-2012
T/C=363.79
INV OUT=359.54

CB-2016
T/C=359.17
INV IN=349.42 (DI-2017)
INV OUT=349.32

DI-2017
T/G=359.80
INV IN=353.00 (CB-2021)
INV IN=351.56 (DI-2018)
INV OUT=350.11

DI-2018
T/G=357.00
INV IN=354.05 (DI-2020)
INV OUT=353.95

DI-2020
T/G=358.00
INV OUT=354.70

CB-2021
T/C=360.74
INV IN=355.24 (CB-2022)
INV OUT=354.67

CB-2022
T/C=361.01
INV IN=355.51 (CB-2023)
INV OUT=355.40

CB-2023
T/C=364.57
INV IN=356.70 (CB-2024)
INV OUT=356.60

CB-2024
T/C=366.73
INV IN=357.35 (CB-2027)
INV IN=362.48 (CB-2025)
INV OUT=357.25

CB-2025
T/C=369.91
INV IN=365.51 (CB-2026)
INV OUT=365.41

CB-2026
T/C=369.91
INV OUT=365.66

CB-2027
T/C=366.73
INV IN=357.59 (CB-2028)
INV OUT=357.49

CB-2028
T/C=366.06
INV IN=357.96 (CB-2029)
INV OUT=357.86

DI-2038
T/G=367.34
INV OUT=363.52

EW-2100
INV=340.00

CB-2101
T/C=367.12
INV IN=359.31 (CB-2102)
INV OUT=345.25

CB-2102
T/C=367.12
INV IN=362.87 (CB-2107)
INV IN=359.74 (CB-2103)
INV OUT=359.49

CB-2103
T/C=365.35
INV IN=360.40 (CB-2104)
INV IN=360.34 (DI-2105)
INV OUT=360.24

CB-2104
T/C=365.35
INV OUT=361.10

DI-2105
T/G=365.50
INV IN=360.70 (DI-2106)
INV OUT=360.50

DI-2106
T/G=363.76
INV OUT=361.35

CB-2107
T/C=369.29
INV IN=364.94 (CB-2108)
INV OUT=364.84

CB-2108
T/C=370.15
INV IN=365.45 (CB-2109)
INV OUT=365.35

CB-2109
T/C=370.15
INV IN=365.90 (CB-2110)
INV IN=365.90 (CB-2112)
INV OUT=365.80

CB-2110
T/C=370.71
INV IN=366.28 (CB-2111)
INV OUT=366.18

CB-2111
T/C=370.81
INV OUT=366.56

CB-2112
T/C=372.78
INV IN=366.50 (DI-2113)
INV OUT=366.40

DI-2113
T/G=369.05
INV OUT=366.64

DI-1852
T/G=354.54
INV OUT=349.75

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

(SD) STORM DRAINAGE EASEMENT

INDEX MAP
1"=2000'

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

M:\Projects\AWH\AWH-20000\04-Production\Engineering\CD PKG 3\Current Drawing\AWH20000-CD Pkg-03-G1.dwg, 12/13/2023 10:04:03 AM, Tommy Dalbit

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RALEIGH, NORTH CAROLINA 27609
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CONTACT: BOB MISHLER

ASHTON WOODS

THE POINT
PHASES 8 AND 14
CONSTRUCTION DRAWINGS - PACKAGE 3
EAST YOUNG STREET
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP, WAKE COUNTY, NORTH CAROLINA

CD XX-XX

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-03-G1
CHECKED BY	WTO
DRAWN BY	TKD
SCALE	1"=40'
DATE	12. 13. 2023

SHEET

GRADING AND STORM DRAINAGE PLAN AREA "Q"

C3.17

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

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

DE STORM DRAINAGE EASEMENT

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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WAKE COUNTY, NORTH CAROLINA

CD XX-XX

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

REVISIONS

NO.	DATE

PLAN INFORMATION

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CHECKED BY	WTO
DRAWN BY	TKD
SCALE	1"=40'
DATE	12. 13. 2023

SHEET

GRADING AND STORM DRAINAGE PLAN AREA "R"

C3.18

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

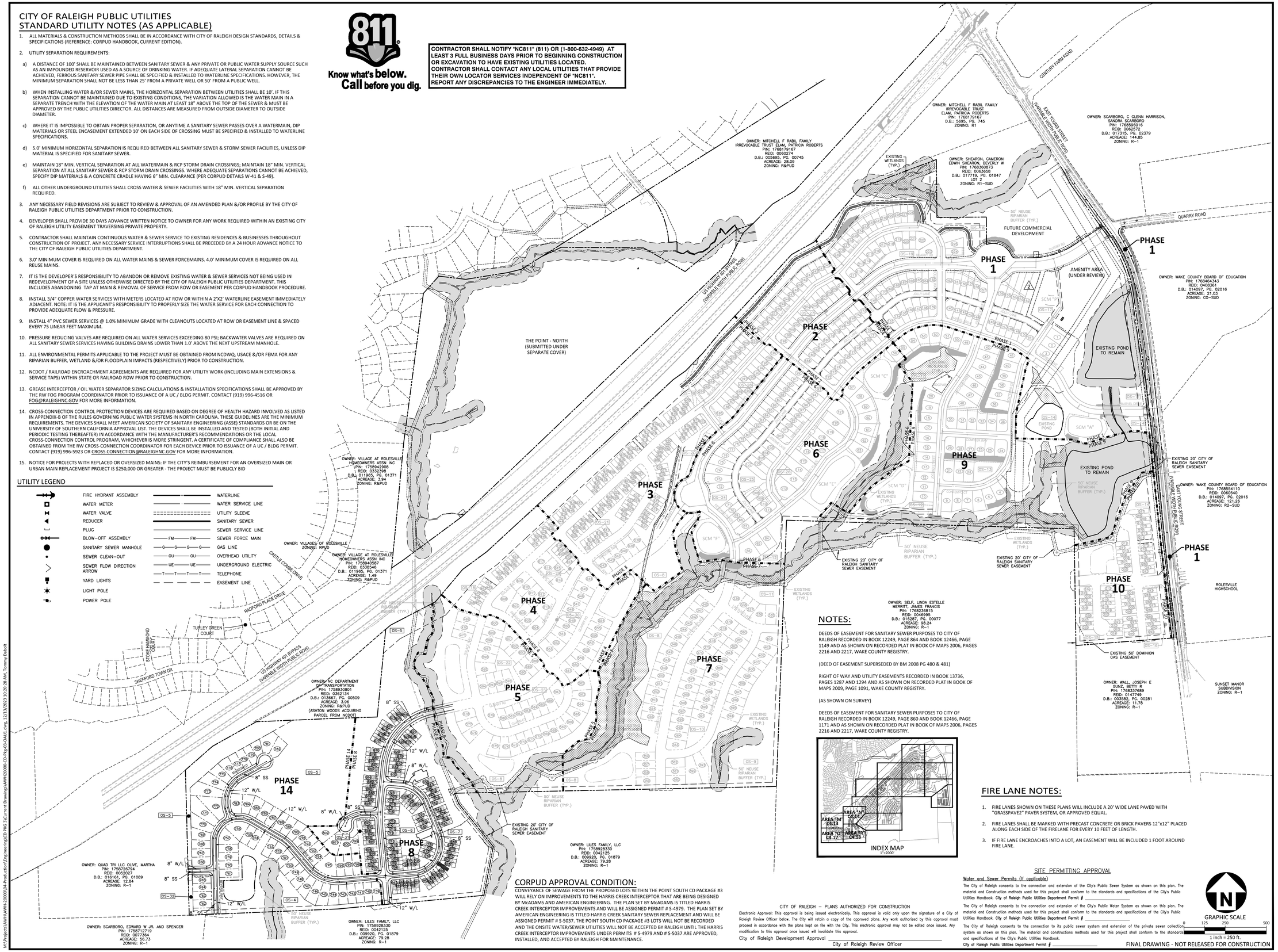
1. ALL MATERIALS & CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH CITY OF RALEIGH DESIGN STANDARDS, DETAILS & SPECIFICATIONS (REFERENCE: CORPUD HANDBOOK, CURRENT EDITION).
2. UTILITY SEPARATION REQUIREMENTS:
   a) A DISTANCE OF 100' SHALL BE MAINTAINED BETWEEN SANITARY SEWER & ANY PRIVATE OR PUBLIC 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. DEVELOPER SHALL PROVIDE 30 DAYS ADVANCE WRITTEN NOTICE TO OWNER FOR ANY WORK REQUIRED WITHIN AN EXISTING CITY OF RALEIGH UTILITY EASEMENT TRAVERSING PRIVATE PROPERTY.
5. 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.
6. 3.0' MINIMUM COVER IS REQUIRED ON ALL WATER MAINS & SEWER FORCEMAINS. 4.0' MINIMUM COVER IS REQUIRED ON ALL REUSE MAINS.
7. 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.
8. 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.
9. INSTALL 4" PVC SEWER SERVICES @ 1.0% MINIMUM GRADE WITH CLEANOUTS LOCATED AT ROW OR EASEMENT LINE & SPACED EVERY 75 LINEAR FEET MAXIMUM.
10. 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.
11. 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.
12. NCDOT / RAILROAD ENCROACHMENT AGREEMENTS ARE REQUIRED FOR ANY UTILITY WORK (INCLUDING MAIN EXTENSIONS & SERVICE TAPS) WITHIN STATE OR RAILROAD ROW PRIOR TO CONSTRUCTION.
13. GREASE INTERCEPTOR / OIL WATER SEPARATOR SIZING CALCULATIONS & INSTALLATION SPECIFICATIONS SHALL BE APPROVED BY THE RW FOG PROGRAM COORDINATOR PRIOR TO ISSUANCE OF A UC / BLDG PERMIT. CONTACT (919) 996-4516 OR FOG@RALEIGHNC.GOV FOR MORE INFORMATION.
14. 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. A CERTIFICATE OF COMPLIANCE SHALL ALSO BE OBTAINED FROM THE RW CROSS-CONNECTION COORDINATOR FOR EACH DEVICE PRIOR TO ISSUANCE OF A UC / BLDG PERMIT. CONTACT (919) 996-5923 OR CROSS.CONNECTION@RALEIGHNC.GOV FOR MORE INFORMATION.
15. NOTICE FOR PROJECTS WITH REPLACED OR OVERSIZED MAINS: IF THE CITY'S REIMBURSEMENT FOR AN OVERSIZED MAIN OR URBAN MAIN REPLACEMENT PROJECT IS $250,000 OR GREATER - THE PROJECT MUST BE PUBLICLY BID

Know what's below. Call before you dig.

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.

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	



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.

(AS SHOWN ON SURVEY)

DEEDS OF EASEMENT FOR SANITARY SEWER PURPOSES TO CITY OF RALEIGH RECORDED IN BOOK 12249, PAGE 860 AND BOOK 12466, PAGE 1171 AND AS SHOWN ON RECORDED PLAT IN BOOK OF MAPS 2006, PAGES 2216 AND 2217, WAKE COUNTY REGISTRY.

FIRE LANE NOTES:

1. FIRE LANES SHOWN ON THESE PLANS WILL INCLUDE A 20' WIDE LANE PAVED WITH "GRASSPAVE2" PAVER SYSTEM, OR APPROVED EQUAL.
2. FIRE LANES SHALL BE MARKED WITH PRECAST CONCRETE OR BRICK PAVERS 12"x12" PLACED ALONG EACH SIDE OF THE FIRELANE FOR EVERY 10 FEET OF LENGTH.
3. IF FIRE LANE ENCROACHES INTO A LOT, AN EASEMENT WILL BE INCLUDED 1 FOOT AROUND FIRE LANE.

CORPUD APPROVAL CONDITION:

CONVEYANCE OF SEWAGE FROM THE PROPOSED LOTS WITHIN THE POINT SOUTH CD PACKAGE #3 WILL RELY ON IMPROVEMENTS TO THE HARRIS CREEK INTERCEPTOR THAT ARE BEING DESIGNED BY McADAMS AND AMERICAN ENGINEERING. THE PLAN SET BY McADAMS IS TITLED HARRIS CREEK INTERCEPTOR IMPROVEMENTS AND WILL BE ASSIGNED PERMIT # S-4979. THE PLAN SET BY AMERICAN ENGINEERING IS TITLED HARRIS CREEK SANITARY SEWER REPLACEMENT AND WILL BE ASSIGNED PERMIT # S-5037. THE POINT SOUTH CD PACKAGE #3 LOTS WILL NOT BE RECORDED AND THE ONSITE WATER/SEWER UTILITIES WILL NOT BE ACCEPTED BY RALEIGH UNTIL THE HARRIS CREEK INTERCEPTOR IMPROVEMENTS UNDER PERMITS # S-4979 AND # S-5037 ARE APPROVED, INSTALLED, AND ACCEPTED BY RALEIGH FOR MAINTENANCE.

CITY OF RALEIGH – PLANS AUTHORIZED FOR CONSTRUCTION

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

City of Raleigh Development Approval _____
City of Raleigh Review Officer

SITE PERMITTING APPROVAL

Water and Sewer Permits (if applicable)

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

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 # _____

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
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PHONE: 919. 422. 7663
CONTACT: BOB MISHLER

ASHTON WOODS

THE POINT
PHASES 8 AND 14
CONSTRUCTION DRAWINGS - PACKAGE 3
EAST YOUNG STREET
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP, WAKE COUNTY, NORTH CAROLINA

CD XX-XX

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

REVISIONS

NO.	DATE

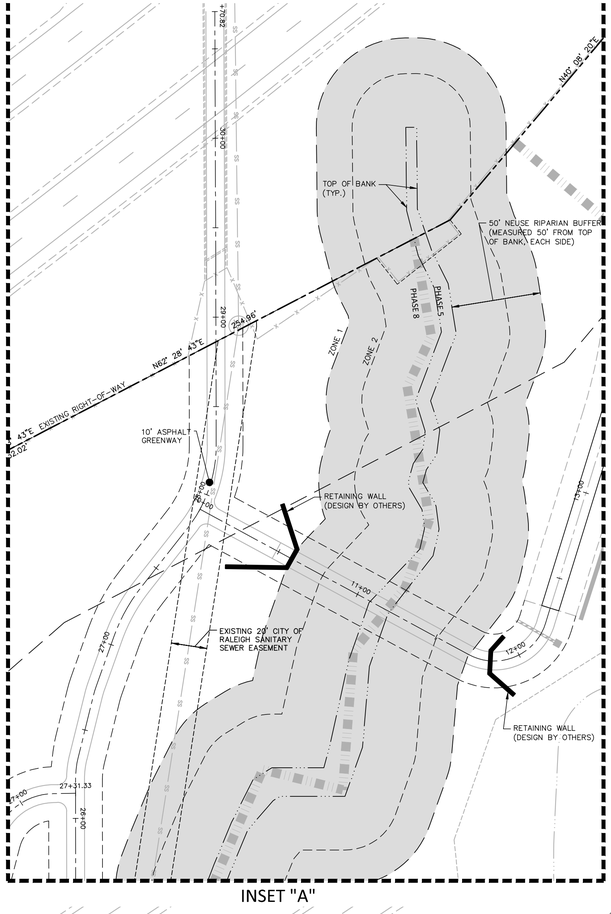
PLAN INFORMATION

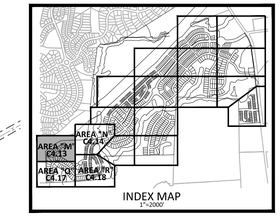
PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-03-OAU1
CHECKED BY	WTO
DRAWN BY	TKD
SCALE	1"=250'
DATE	12. 13. 2023

SHEET

OVERALL UTILITY PLAN
C4.00

M:\Projects\AWH\AWH-20000\04-Production\Engineering\CD PKG 3\Current Drawings\AWH20000-CD-Pkg-03-OAU1.dwg, 12/13/2023 10:20:28 AM, Tommy Daboll





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

DE STORM DRAINAGE EASEMENT

OWNER: NC DEPARTMENT OF TRANSPORTATION
PIN: 1758930801
REID: 0362134
D.B.: 013667, PG. 00509
ACREAGE: 3.96
ZONING: R&PUD
(ASHTON WOODS ACQUIRING PARCEL FROM NCDOT)

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

N87° 33' 48"E 469.05'

30' TOWN OF ROLESVILLE PUBLIC GREENWAY EASEMENT

10' ASPHALT GREENWAY

17+00 18+00 19+00 20+00

N60° 44' 26"E 304.37'

EXISTING RIGHT-OF-WAY

OS-5

15+00 14+00

100' TYPE B LANDSCAPE BUFFER

781 780 782 779 778 777 776 775 774 773 772 771 770 783 784 785 786 787 788 789

MARROW COURT (50' PUBLIC R/W)

REVERIE WAY (50' PUBLIC R/W)

FIRE HYDRANT ASSEMBLY (TYP.)
6" GATE VALVE
12" X 6" REDUCER
SSMH-722
SSMH-721
SSMH-720
SSMH-719
SSMH-718
SSMH-716
SSMH-715
SSMH-717
SSMH-723
12"x12" TEE (3) 12" GV&B
4" SANITARY SEWER SERVICE WITH CLEANOUTS
3/4" TYPE "K" COPPER DOMESTIC WATER SERVICE WITH 5/8" WATER METER (TYP.)
RETAINING WALL (DESIGN BY OTHERS)
RETAINING WALL (DESIGN BY OTHERS)
8" SS
12" DIP W/L

SEE SHEET C4.14

SEE SHEET C4.17

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

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CD XX-XX

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

REVISIONS

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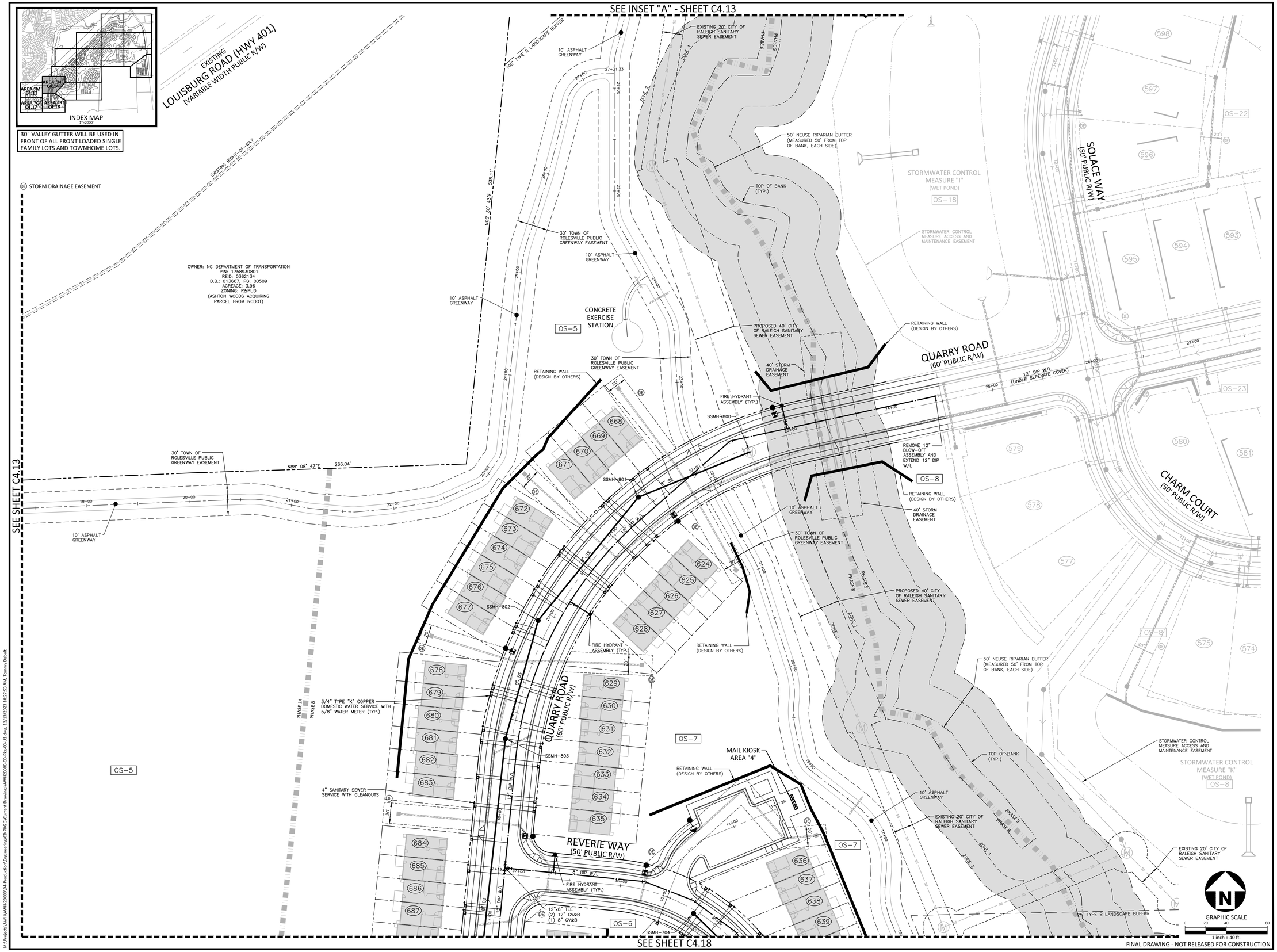
PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-03-U1
CHECKED BY	WTO
DRAWN BY	TKD
SCALE	1"=40'
DATE	12. 13. 2023

SHEET

UTILITY PLAN
AREA "M"
C4.13

M:\Projects\AWH\AWH-20000\04-Production\Engineering\CD PKG 3\Current Drawings\AWH20000-CD-Pkg-03-U1.dwg, 12/13/2023 10:21:55 AM, Tommy Dabolt



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NOT FOR CONSTRUCTION

REVISIONS

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DRAWN BY	TKD
SCALE	1"=40'
DATE	12. 13. 2023

SHEET

UTILITY PLAN
AREA "N"

C4.14

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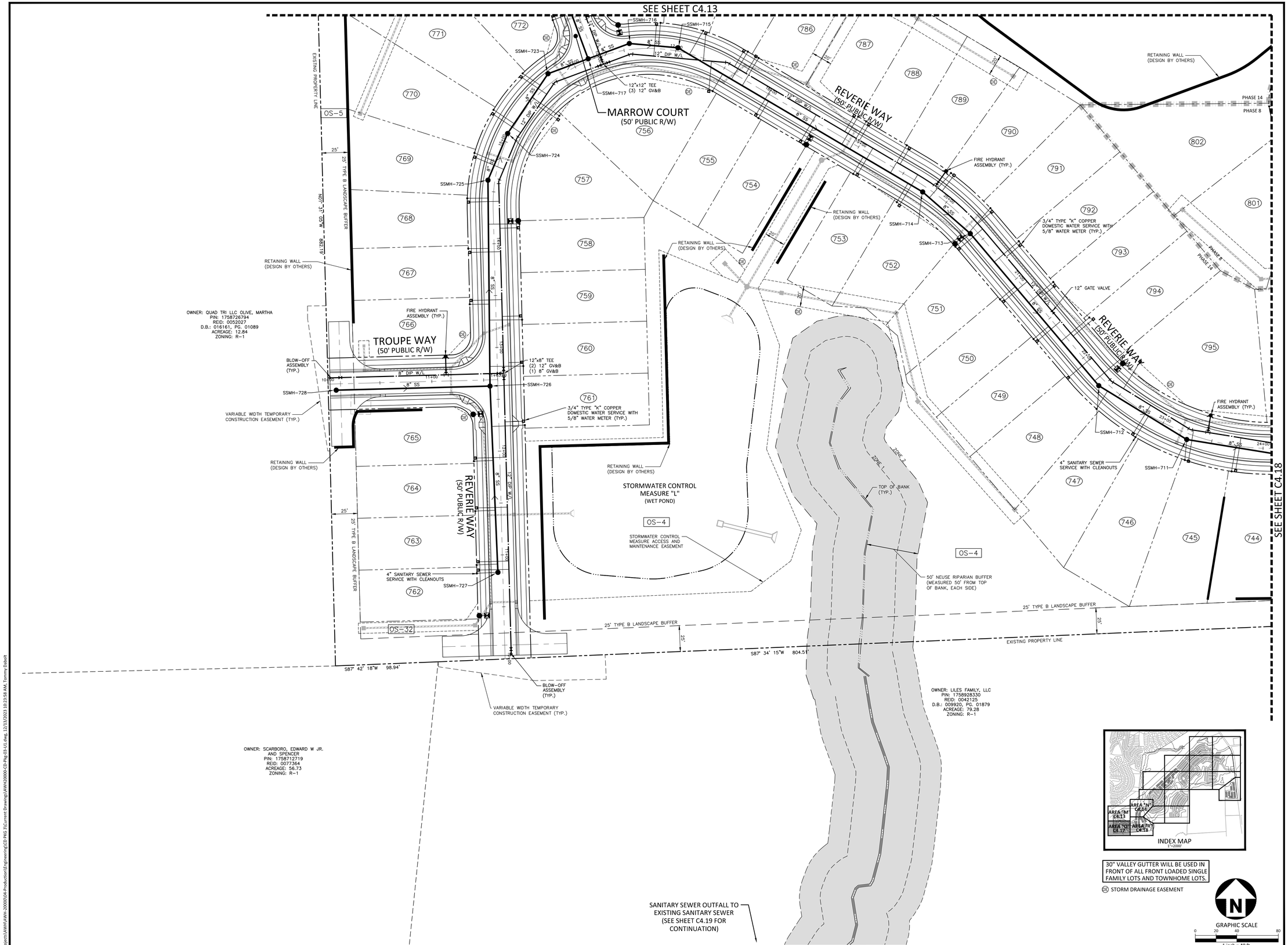

McADAMS
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fax 919. 361. 2269
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RALEIGH, NORTH CAROLINA 27609
PHONE: 919. 422. 7663
CONTACT: BOB MISHLER

ASHTON WOODS

THE POINT
PHASES 8 AND 14
CONSTRUCTION DRAWINGS - PACKAGE 3
EAST YOUNG STREET
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP, WAKE COUNTY, NORTH CAROLINA

CD XX-XX

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-03-U1
CHECKED BY	WTO
DRAWN BY	TKD
SCALE	1"=40'
DATE	12. 13. 2023

SHEET

UTILITY PLAN
AREA "Q"
C4.17

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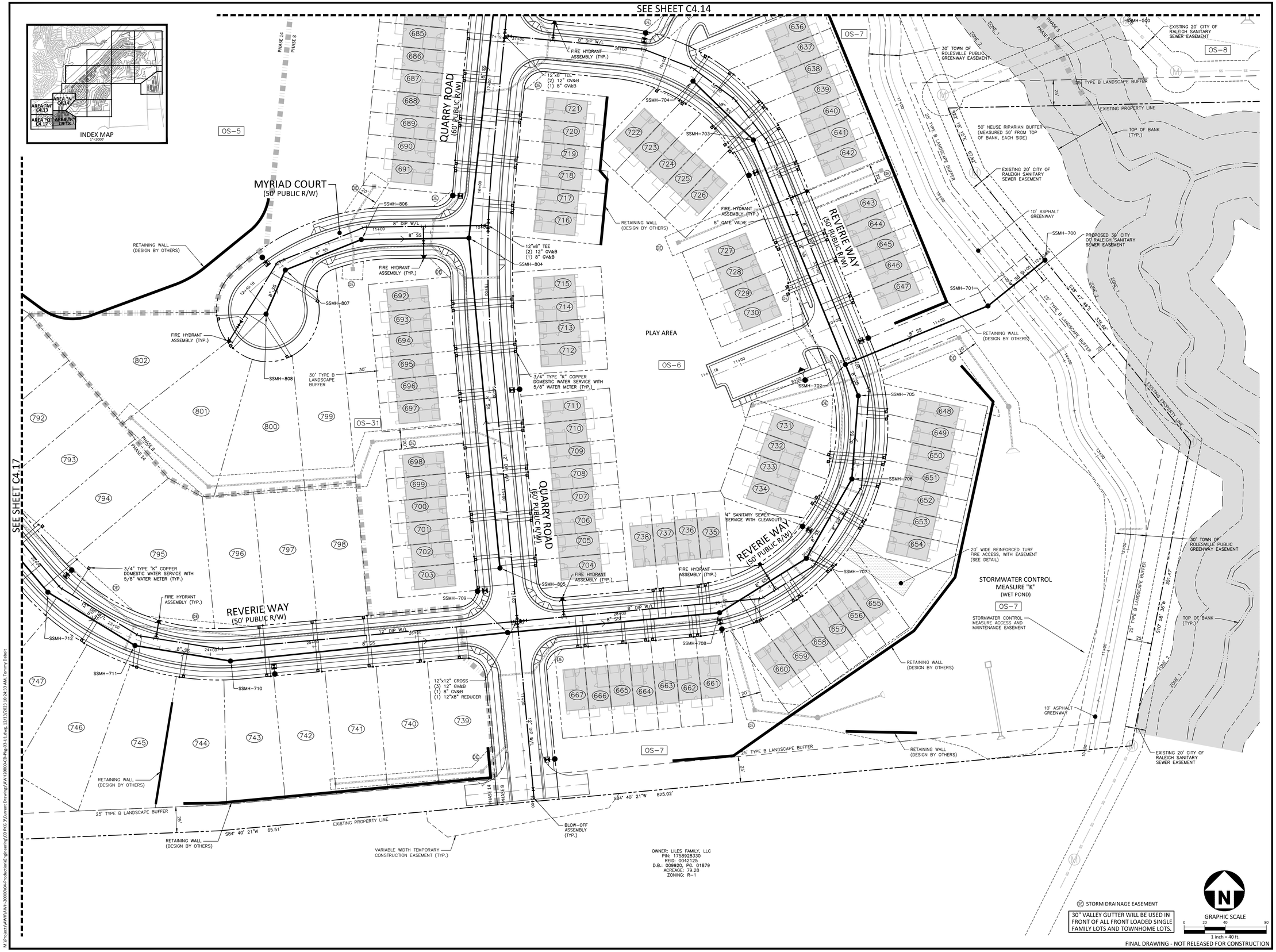

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ASHTON WOODS

THE POINT
PHASES 8 AND 14
CONSTRUCTION DRAWINGS - PACKAGE 3
EAST YOUNG STREET
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,
WAKE COUNTY, NORTH CAROLINA

CD XX-XX

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

REVISIONS

NO.	DATE

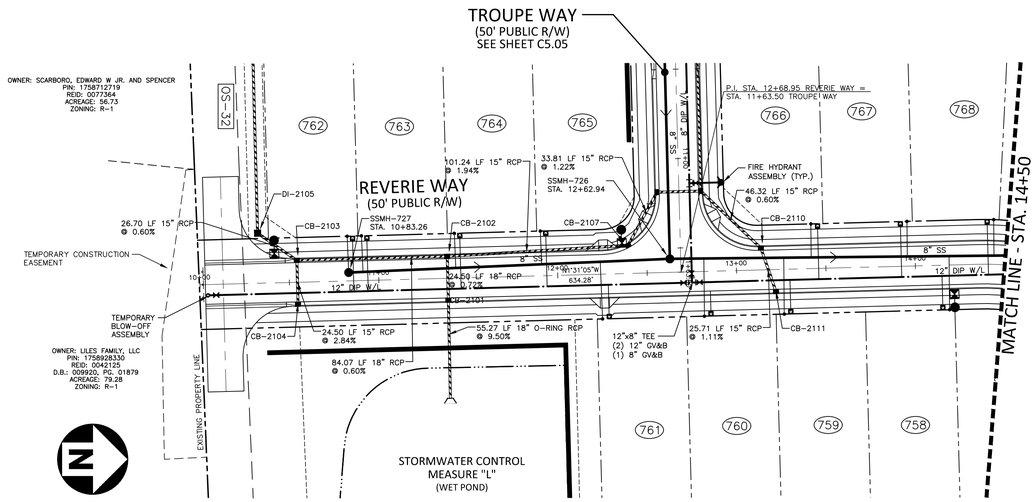
PLAN INFORMATION

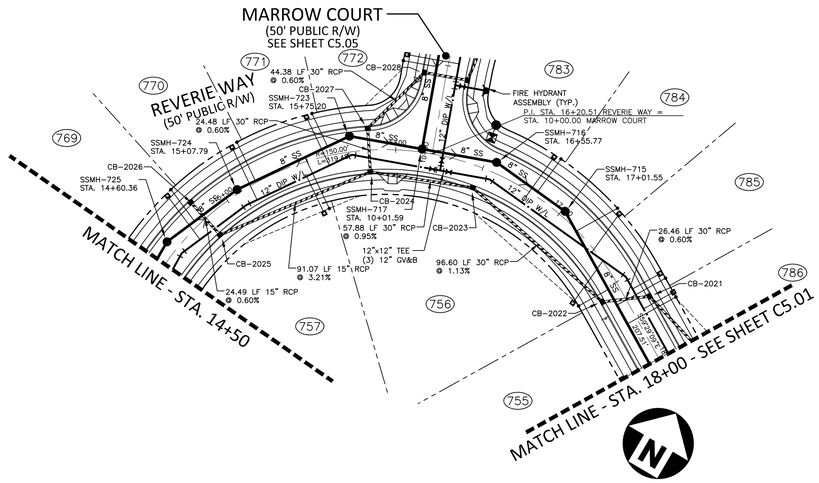
PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-03-U1
CHECKED BY	WTO
DRAWN BY	TKD
SCALE	1"=40'
DATE	12. 13. 2023

SHEET

UTILITY PLAN
AREA "R"
C4.18

M:\Projects\AWH\AWH-20000\04-Production\Engineering\CD PKG 3\Current Drawings\AWH20000-CD-Pkg-03-U1.dwg, 12/13/2023 10:24:33 AM, Tommy Diboit





CB-2021
STA. 17+65.90
T/C=360.74
INV IN=355.24 (CB-2022)
INV OUT=354.67

CB-2022
STA. 17+55.90
T/C=361.01
INV IN=355.51 (CB-2023)
INV OUT=355.40

CB-2023
STA. 16+48.61
T/C=364.57
INV IN=356.70 (CB-2024)
INV OUT=356.60

CB-2024
STA. 15+85.11
T/C=366.73
INV IN=357.35 (CB-2027)
INV IN=362.48 (CB-2025)
INV OUT=357.25

CB-2025
STA. 14+84.04
T/C=369.91
INV IN=365.51 (CB-2026)
INV OUT=365.41

CB-2026
STA. 14+84.03
T/C=369.91
INV OUT=365.66

CB-2027
STA. 15+85.09
T/C=366.73
INV IN=357.59 (CB-2028)
INV OUT=357.49

CB-2101
STA. 11+38.57
T/C=367.12
INV IN=359.31 (CB-2102)
INV OUT=345.25

CB-2102
STA. 11+38.57
T/C=367.12
INV IN=362.87 (CB-2107)
INV IN=359.74 (CB-2103)
INV OUT=359.49

CB-2103
STA. 10+54.50
T/C=365.35
INV IN=360.40 (CB-2104)
INV IN=360.34 (DI-2105)
INV OUT=360.24

CB-2104
STA. 10+54.50
T/C=365.35
INV OUT=361.10

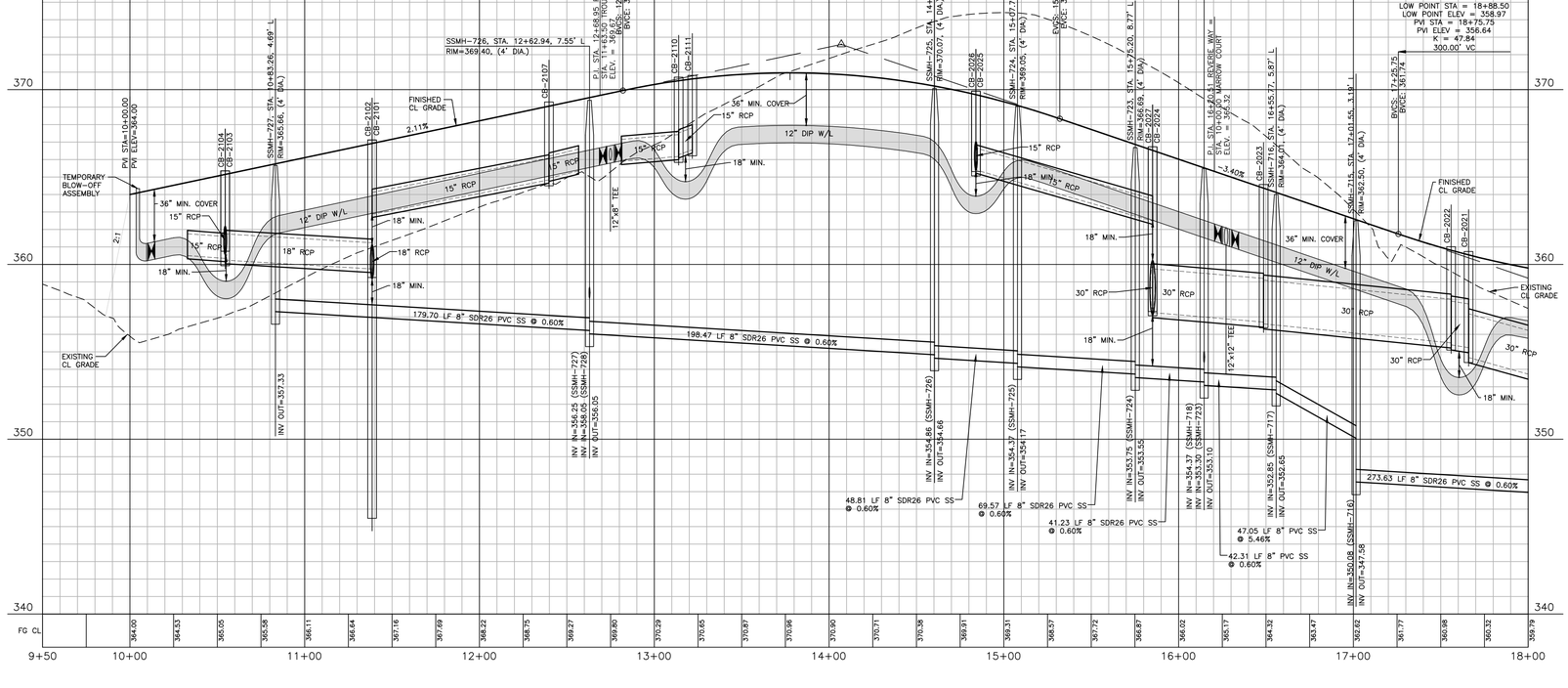
CB-2107
STA. 12+39.75
T/C=369.29
INV IN=364.94 (CB-2108)
INV OUT=364.84

CB-2110
STA. 13+13.94
T/C=370.71
INV IN=366.28 (CB-2111)
INV OUT=366.18

CB-2111
STA. 13+21.73
T/C=370.81
INV OUT=366.56

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

REVERIE WAY



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ASHTON WOODS

REVISIONS
NO. DATE

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

THE POINT - PHASES 8, AND 14
CONSTRUCTION DRAWINGS - PACKAGE 3
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,
WAKE COUNTY, NORTH CAROLINA

PLAN INFORMATION

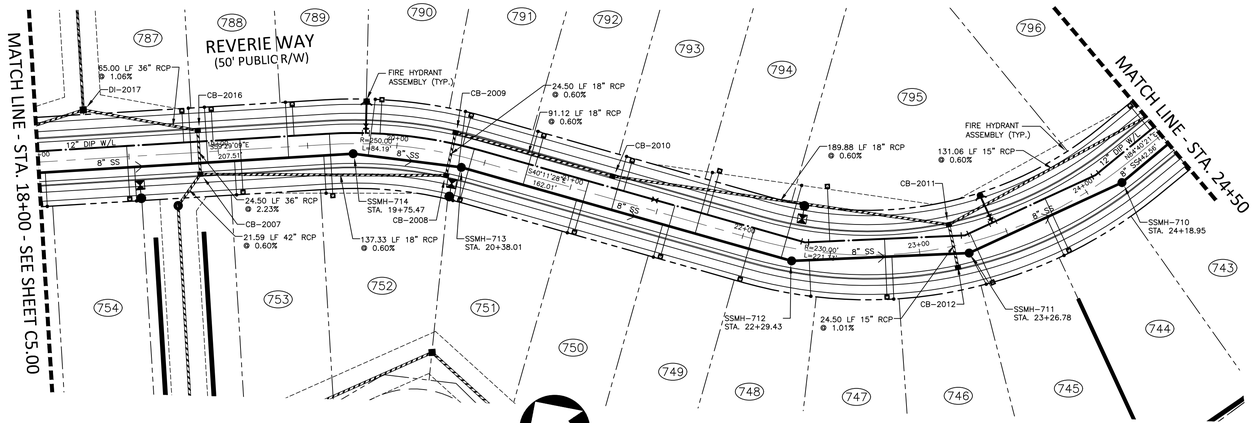
PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-Pkg-03-P1
CHECKED BY	WTO
DRAWN BY	TKD
SCALE	1"=40'/1"=4'
DATE	12. 13. 2023

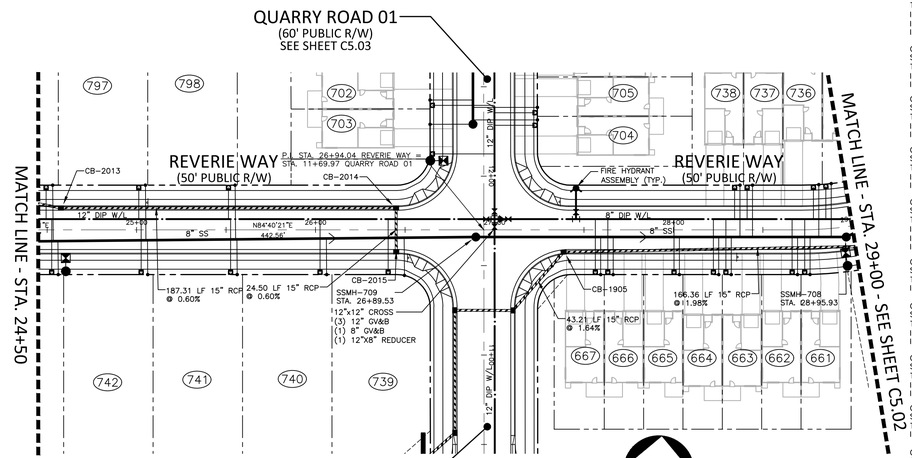
CD XX-XX

PLAN AND PROFILE
REVERIE WAY, STA. 10+00 THRU STA. 18+00

C5.00

M:\Projects\AWH\AWH-20000\04-Production\Engineering\CD PKG 3\Current Drawings\AWH20000-CD-Pkg-03-P1.dwg, 12/13/2023 10:47:36 AM, Tommy Daboit





CB-2007
STA. 18+89.25
T/C=359.17
INV IN=348.77 (CB-2016)
INV IN=352.19 (CB-2008)
INV OUT=348.67

CB-2008
STA. 20+30.51
T/C=361.28
INV IN=353.11 (CB-2009)
INV OUT=353.01

CB-2009
STA. 20+30.51
T/C=361.28
INV IN=353.36 (CB-2010)
INV OUT=353.26

CB-2010
STA. 21+20.91
T/C=363.73
INV IN=354.00 (CB-2011)
INV OUT=353.90

CB-2011
STA. 23+19.17
T/C=363.79
INV IN=359.29 (CB-2012)
INV IN=355.39 (CB-2013)
INV OUT=355.14

CB-2012
STA. 23+19.19
T/C=363.79
INV OUT=359.54

CB-2013
STA. 24+57.69
T/C=364.40
INV IN=356.28 (CB-2014)
INV OUT=356.18

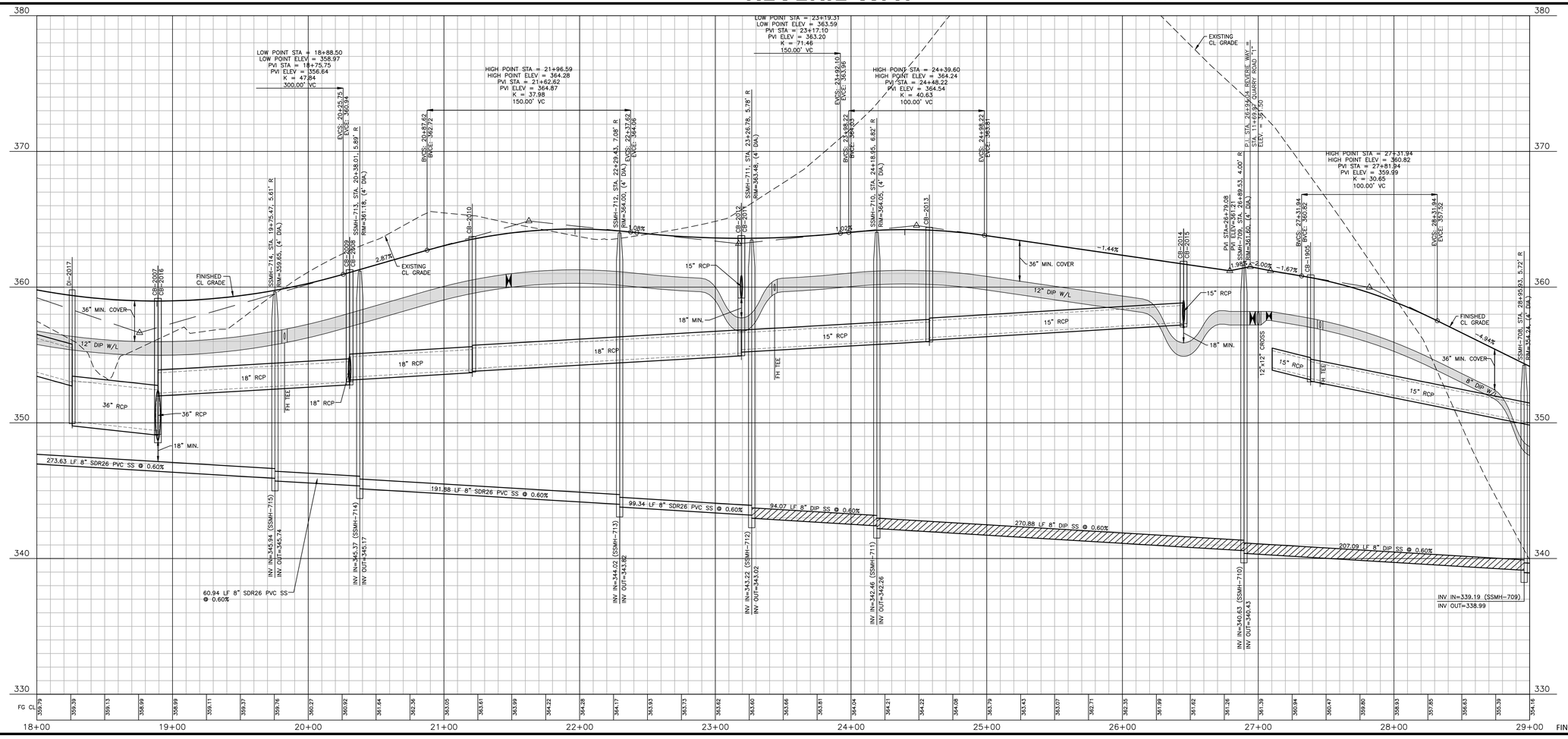
CB-2014
STA. 26+45.00
T/C=361.90
INV IN=357.50 (CB-2015)
INV OUT=357.40

CB-2015
STA. 26+45.08
T/C=361.90
INV OUT=357.65

CB-2016
STA. 18+89.25
T/C=359.17
INV IN=349.42 (DI-2017)
INV OUT=349.32

CB-1905
STA. 27+38.64
T/C=360.90
INV IN=353.36 (CB-1906)
INV OUT=353.26

REVERIE WAY



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REVISIONS
NO. DATE

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

THE POINT - PHASES 8, AND 14
CONSTRUCTION DRAWINGS - PACKAGE 3
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,
WAKE COUNTY, NORTH CAROLINA

PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-Pkg-03-P1
CHECKED BY	WTO
DRAWN BY	TKD
SCALE	1"=40'/1"=4'
DATE	12. 13. 2023

CD XX-XX

PLAN AND PROFILE
REVERIE WAY, STA. 18+00 THRU STA. 29+00

C5.01

CB-1903
STA. 29+03.00
T/C=354.21
INV IN=349.96 (CB-1905)
INV IN=349.81 (CB-1904)
INV OUT=349.56

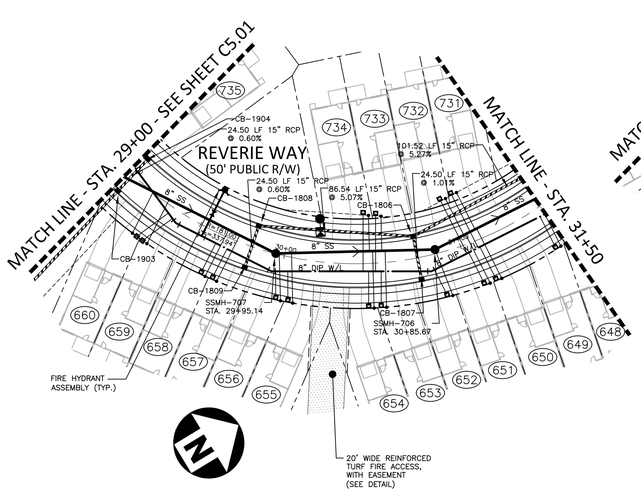
CB-1904
STA. 29+03.00
T/C=354.21
INV OUT=349.96

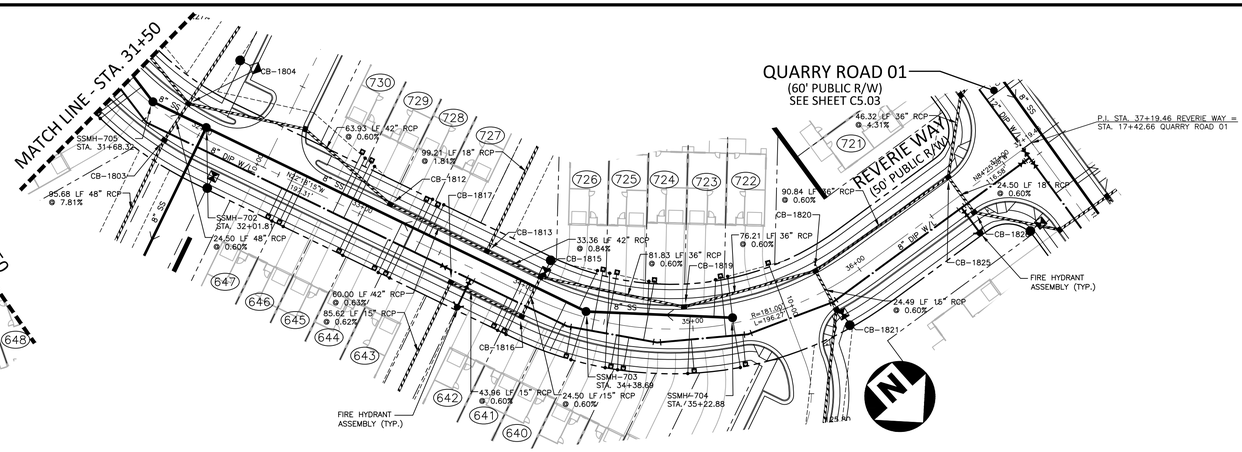
CB-1806
STA. 30+74.99
T/C=345.72
INV IN=341.22 (CB-1807)
INV IN=341.47 (CB-1808)
INV OUT=341.37

CB-1807
STA. 30+75.00
T/C=345.72
INV OUT=341.47

CB-1808
STA. 29+81.12
T/C=350.36
INV IN=345.96 (CB-1809)
INV OUT=345.86

CB-1809
STA. 29+81.13
T/C=350.36
INV OUT=346.11





CB-1803
STA. 31+85.59
T/C=340.27
INV IN=317.69 (CB-1804)
INV OUT=317.57

CB-1804
STA. 31+85.59
T/C=340.27
INV IN=318.30 (CB-1811)
INV IN=336.02 (CB-1806)
INV IN=333.26 (DI-1805)
INV OUT=317.83

CB-1811
STA. 32+51.83
T/C=337.97
INV IN=318.84 (CB-1812)
INV OUT=318.74

CB-1812
STA. 33+13.39
T/C=334.87
INV IN=319.32 (CB-1813)
INV OUT=319.22

CB-1813
STA. 33+73.39
T/C=333.78
INV IN=319.70 (CB-1815)
INV IN=328.20 (DI-1814)
INV OUT=319.70

CB-1815
STA. 34+06.77
T/C=333.62
INV IN=320.48 (CB-1819)
INV IN=329.04 (CB-1816)
INV OUT=319.98

CB-1816
STA. 34+06.77
T/C=333.62
INV IN=329.29 (CB-1817)
INV OUT=329.19

CB-1817
STA. 33+62.82
T/C=333.90
INV IN=329.65 (DI-1818)
INV OUT=329.55

CB-1819
STA. 34+95.42
T/C=334.74
INV IN=321.07 (CB-1820)
INV OUT=320.97

CB-1820
STA. 35+77.87
T/C=337.50
INV IN=321.63 (CB-1825)
INV IN=326.18 (CB-1821)
INV OUT=321.53

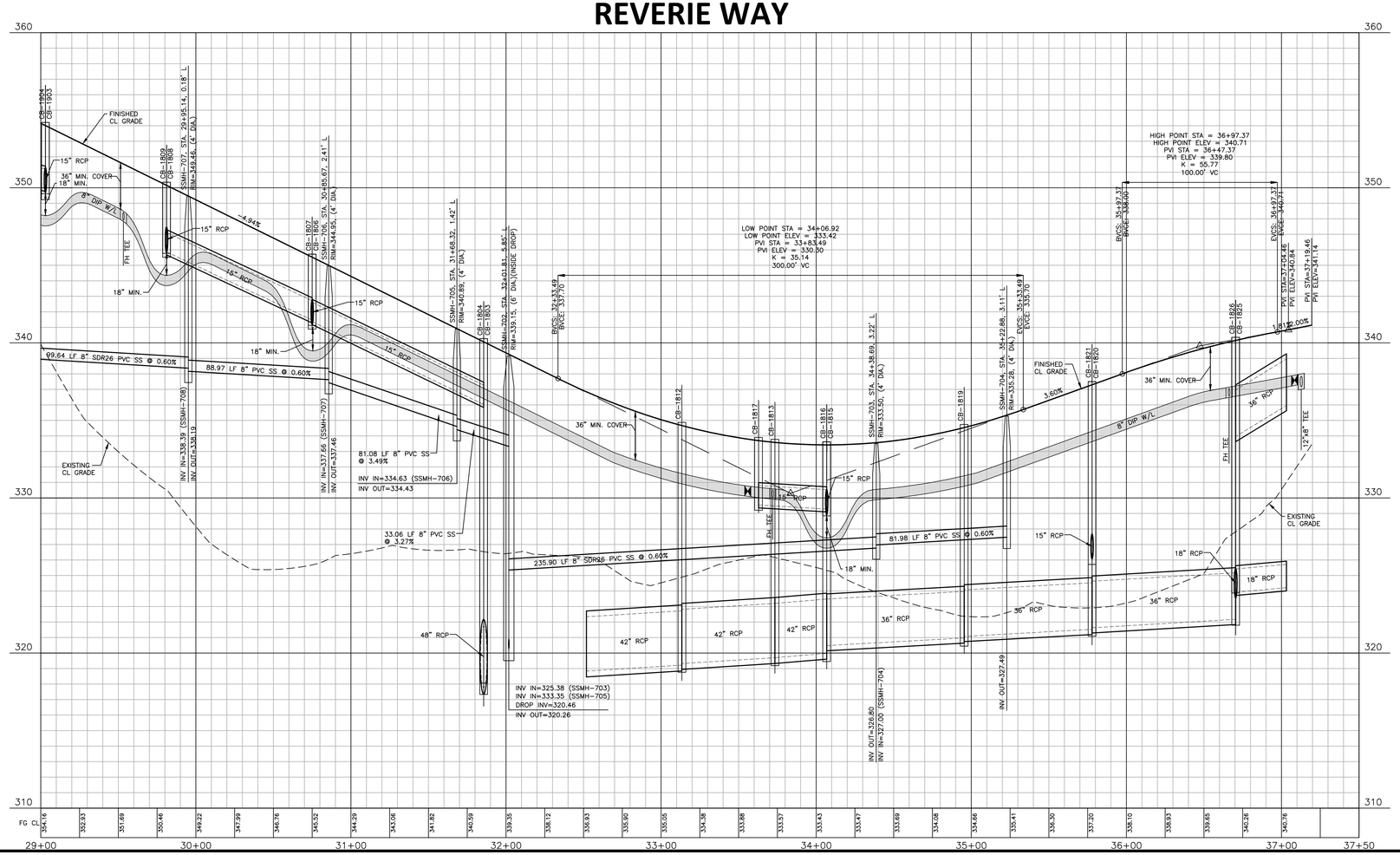
CB-1821
STA. 35+77.88
T/C=337.50
INV IN=326.42 (CB-1822)
INV OUT=326.32

CB-1825
STA. 36+70.46
T/C=340.36
INV IN=333.96 (CB-1836)
INV IN=323.68 (CB-1826)
INV OUT=322.18

CB-1826
STA. 36+70.46
T/C=340.36
INV IN=323.92 (CB-1827)
INV OUT=323.82

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

REVERIE WAY



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ASHTON WOODS

REVISIONS
NO. DATE

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

THE POINT - PHASES 8, AND 14
CONSTRUCTION DRAWINGS - PACKAGE 3
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,
WAKE COUNTY, NORTH CAROLINA

PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-Pkg-03-P1
CHECKED BY	WTO
DRAWN BY	TKD
SCALE	1"=40'/1"=4'
DATE	12. 13. 2023

CD XX-XX

PLAN AND PROFILE
STREET "A", STA. 29+00 THRU STA. 37+19.46

C5.02

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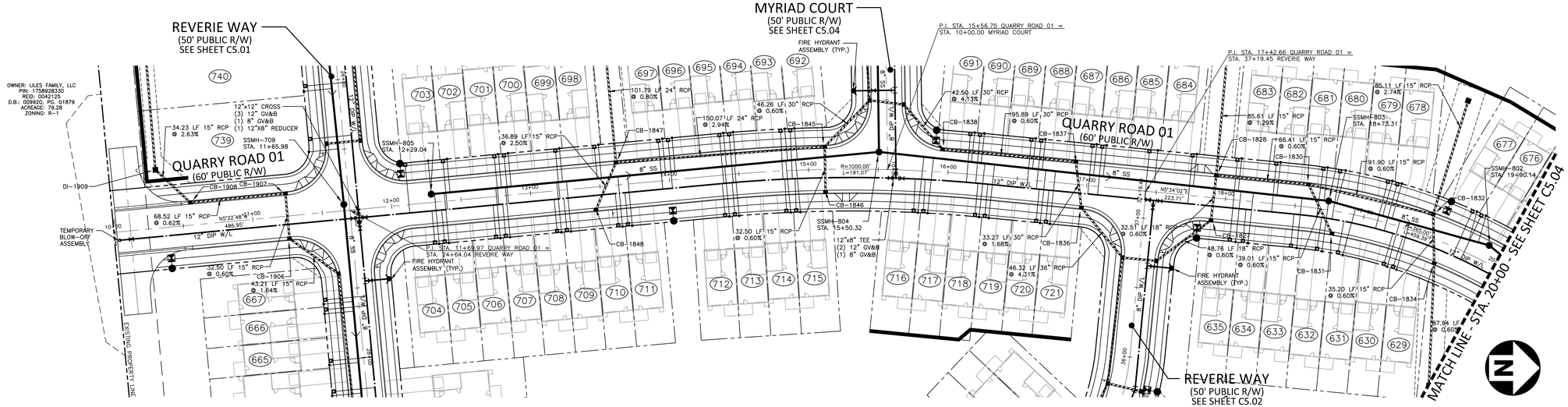


CB-1827
STA. 17+91.04
T/C=339.34
INV IN=324.32 (CB-1828)
INV OUT=324.22

CB-1828
STA. 17+91.73
T/C=339.31
INV IN=334.50 (DI-1829)
INV IN=324.76 (CB-1830)
INV OUT=324.51

CB-1830
STA. 18+57.87
T/C=336.19
INV IN=326.41 (CB-1831)
INV IN=325.26 (CB-1832)
INV OUT=325.16

CB-1831
STA. 18+79.47
T/C=335.16
INV OUT=326.64

CB-1832
STA. 19+46.06
T/C=331.98
INV IN=325.91 (DI-1833)
INV IN=325.91 (CB-1834)
INV OUT=325.81

CB-1834
STA. 19+59.58
T/C=331.33
INV IN=326.22 (DI-1835)
INV OUT=326.12

CB-1836
STA. 16+97.66
T/C=342.67
INV IN=336.70 (CB-1837)
INV OUT=335.96

CB-1837
STA. 16+90.53
T/C=342.86
INV IN=337.36 (CB-1838)
INV OUT=337.26

CB-1838
STA. 15+95.17
T/C=344.96
INV IN=338.04 (CB-1839)
INV OUT=337.94

CB-1845
STA. 15+11.91
T/C=346.79
INV IN=342.34 (CB-1846)
INV IN=341.79 (CB-1847)
INV OUT=341.04

CB-1846
STA. 15+11.92
T/C=346.79
INV OUT=342.54

CB-1847
STA. 13+63.02
T/C=352.13
INV IN=347.80 (CB-1848)
INV IN=346.30 (DI-1849)
INV OUT=346.20

CB-1848
STA. 13+45.56
T/C=352.97
INV OUT=348.72

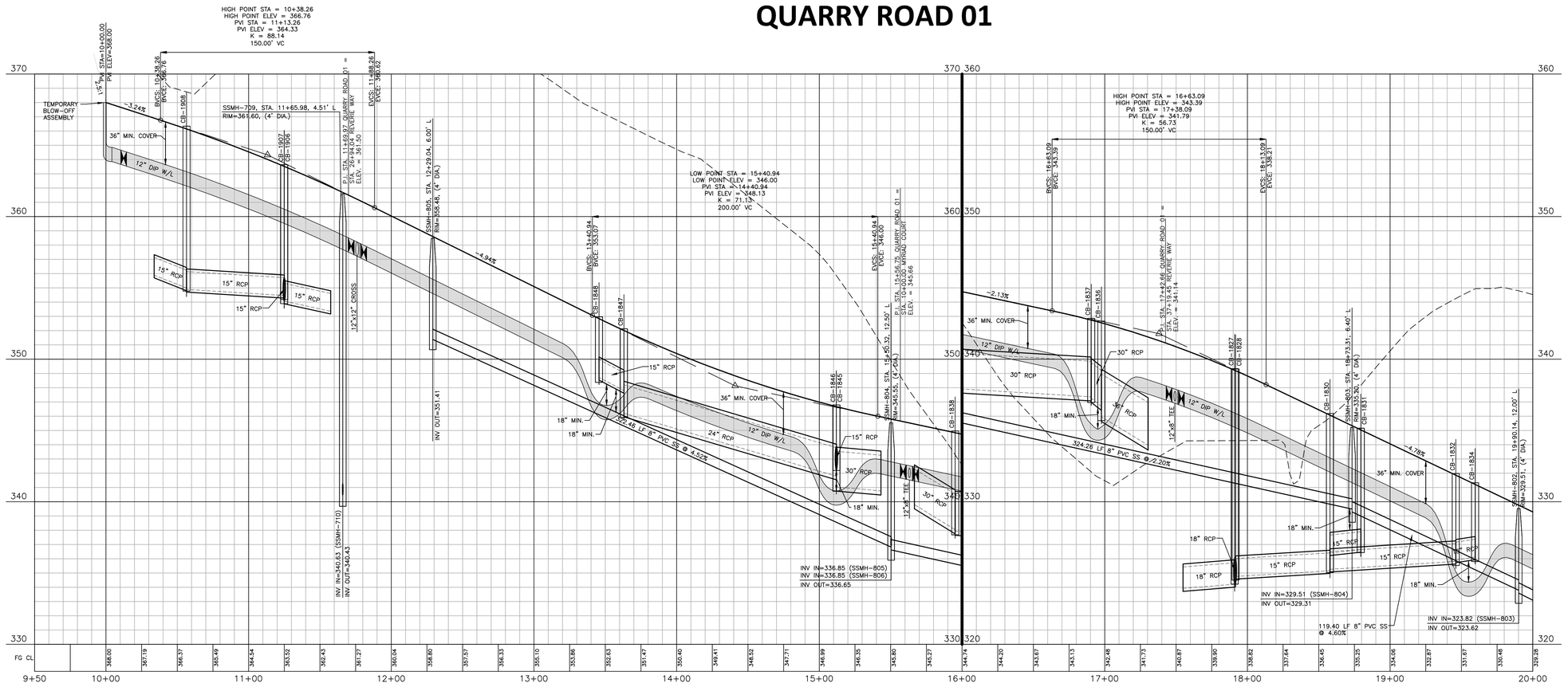
CB-1906
STA. 11+24.93
T/C=363.64
INV IN=354.17 (CB-1907)
INV OUT=354.07

CB-1907
STA. 11+25.02
T/C=363.64
INV IN=354.47 (CB-1908)
INV OUT=354.37

CB-1908
STA. 10+56.50
T/C=366.34
INV IN=354.99 (DI-1909)
INV OUT=354.89

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

QUARRY ROAD 01



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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 8, AND 14
CONSTRUCTION DRAWINGS - PACKAGE 3
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,
WAKE COUNTY, NORTH CAROLINA

PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-Pkg-03-P1
CHECKED BY	WTO
DRAWN BY	TKD
SCALE	1"=40'/1"=4'
DATE	12. 13. 2023

CD XX-XX

PLAN AND PROFILE
QUARRY ROAD 01, STA. 10+00 THRU STA. 20+00

C5.03

M:\Projects\AWH\AWH-20000\04-Production\Engineering\CD PKG 3\Current Drawing\AWH20000-CD Pkg-03-P1.dwg, 12/13/2023 10:59:18 AM, Tommy Diabolt

CB–1106
STA. 23+15.15
T/C=320.31
INV IN=315.66 (CB–1107)
INV IN=314.75 (CB–1108)
INV OUT=314.65

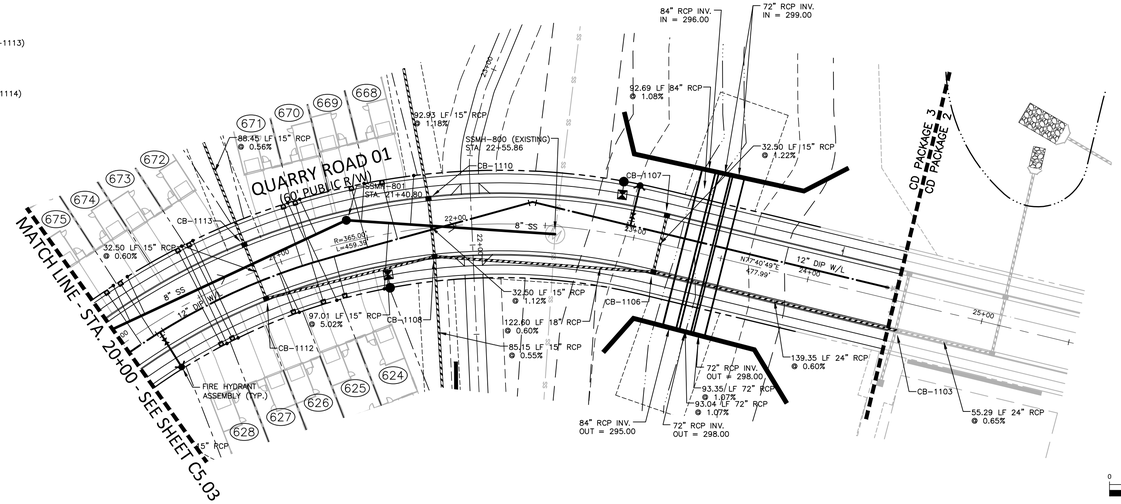
CB–1107
STA. 23+15.15
T/C=320.31
INV OUT=316.06

CB–1108
STA. 21+86.36
T/C=321.90
INV IN=315.85 (DI–1109)
INV IN=317.19 (CB–1110)
INV IN=315.79 (CB–1112)
INV OUT=315.49

CB–1110
STA. 21+86.37
T/C=321.90
INV IN=317.65 (DI–1111)
INV OUT=317.55

CB–1112
STA. 20+84.51
T/C=325.40
INV IN=320.76 (CB–1113)
INV OUT=320.66

CB–1113
STA. 20+84.51
T/C=325.40
INV IN=321.06 (DI–1114)
INV OUT=320.96



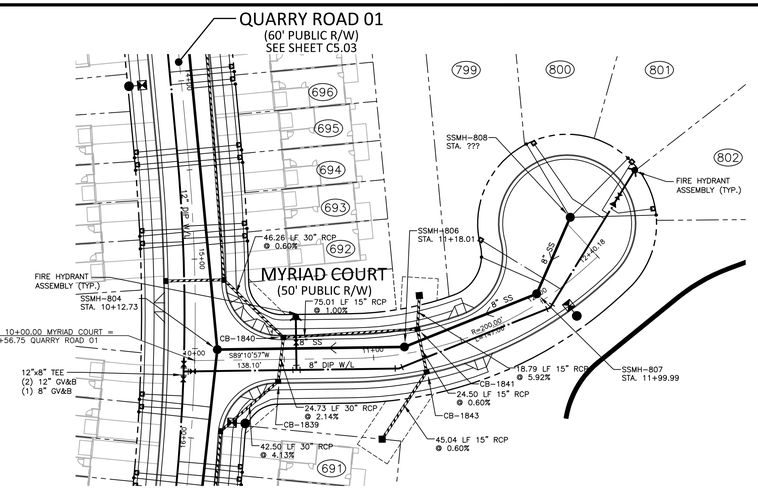
GRAPHIC SCALE
0 20 40 80
1 inch = 40 ft.

CB–1839
STA. 10+46.46
T/C=346.18
INV IN=339.90 (CB–1840)
INV OUT=339.80

CB–1840
STA. 10+49.80
T/C=346.26
INV IN=341.38 (CB–1841)
INV IN=340.76 (CB–1845)
INV OUT=340.43

CB–1841
STA. 11+27.36
T/C=349.16
INV IN=342.23 (DI–1842)
INV IN=342.23 (CB–1843)
INV OUT=342.13

CB–1843
STA. 11+27.36
T/C=349.16
INV IN=342.48 (DI–1844)
INV OUT=342.38



GRAPHIC SCALE
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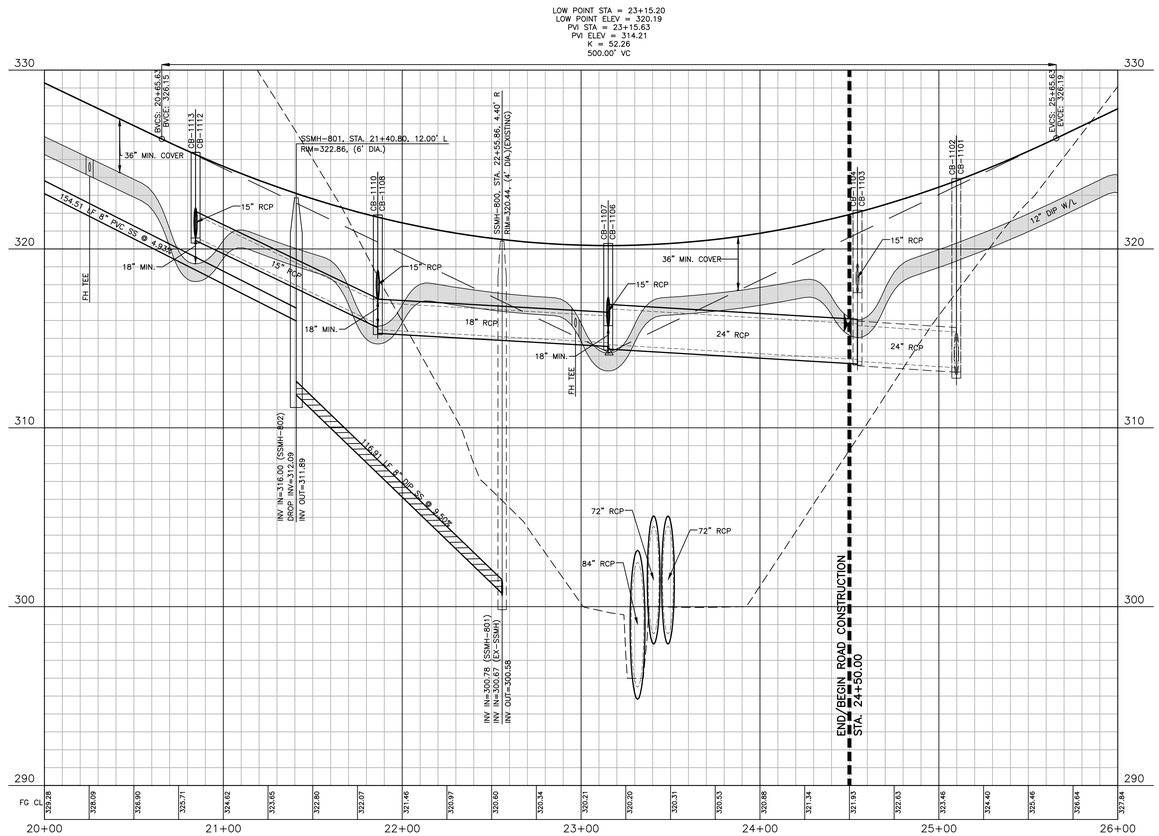
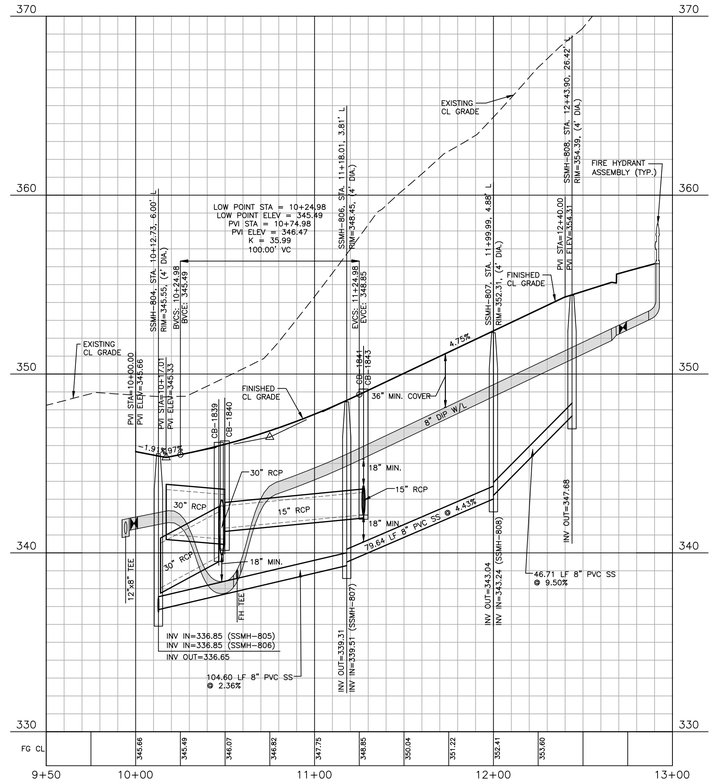
1 inch = 40 ft.

QUARRY ROAD 01



MYRIAD COURT



FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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PHONE: 919. 422. 7663
CONTACT: BOB MISHLER

ASHTON WOODS

REVISIONS
NO. DATE

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

THE POINT - PHASES 8, AND 14
CONSTRUCTION DRAWINGS - PACKAGE 3
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,
WAKE COUNTY, NORTH CAROLINA

PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-Pkg-03-P1
CHECKED BY	WTO
DRAWN BY	TKD
SCALE	1"=40'/1"=4'
DATE	12. 13. 2023

CD XX-XX

PLAN AND PROFILE
QUARRY ROAD 01, STA. 20+00 THRU STA. 25+00
MYRIAD COURT, STA. 10+00 THRU STA. 13+00

C5.04

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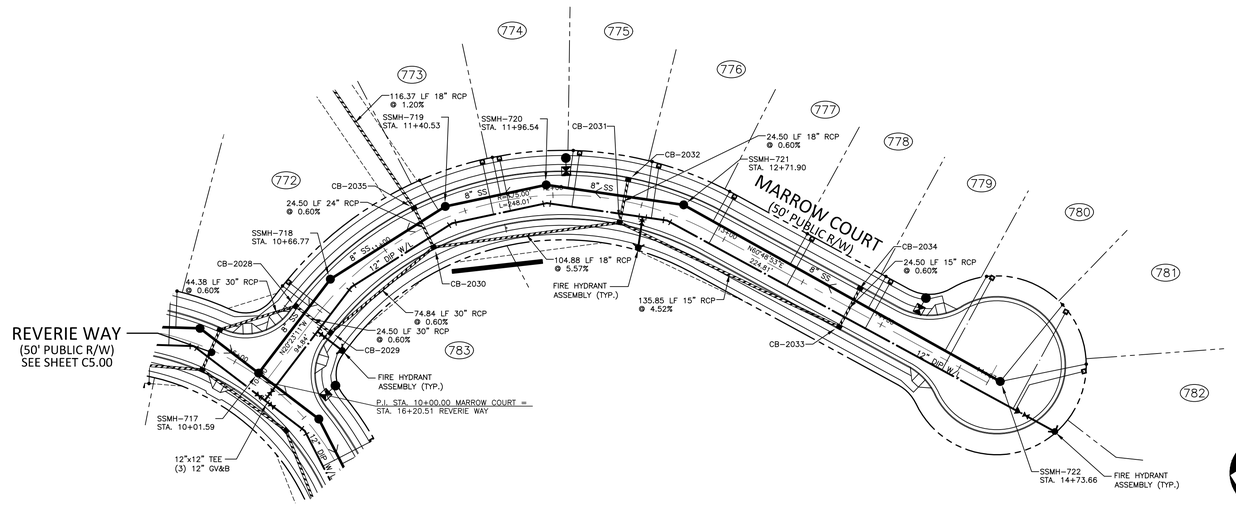


CB-2028
STA. 10+43.91
T/C=366.06
INV IN=357.96 (CB-2029)
INV OUT=357.86

CB-2029
STA. 10+43.91
T/C=366.06
INV IN=358.21 (CB-2030)
INV OUT=358.11

CB-2030
STA. 11+25.05
T/C=369.24
INV IN=361.65 (CB-2031)
INV IN=359.15 (CB-2035)
INV OUT=358.65

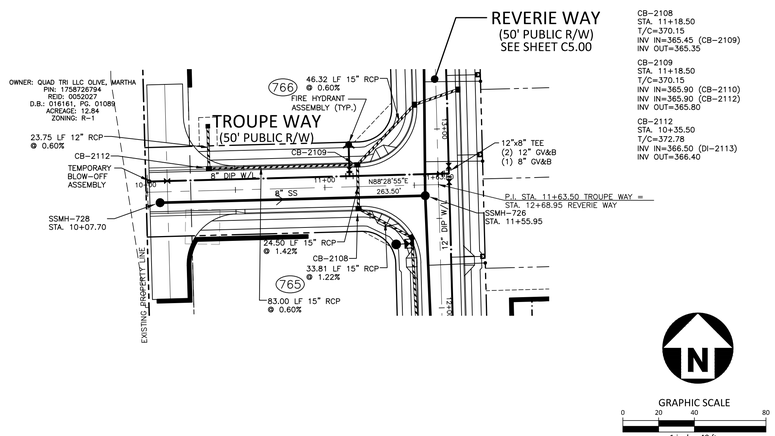
CB-2031
STA. 12+39.86
T/C=374.62
INV IN=370.37 (CB-2033)
INV IN=367.59 (CB-2032)
INV OUT=367.49

CB-2032
STA. 12+39.91
T/C=374.62
INV OUT=367.74

CB-2033
STA. 13+79.98
T/C=381.01
INV IN=376.61 (CB-2034)
INV OUT=376.51

CB-2034
STA. 13+79.98
T/C=381.01
INV OUT=376.76

CB-2035
STA. 11+25.00
T/C=369.24
INV IN=359.80 (DI-2036)
INV OUT=359.30

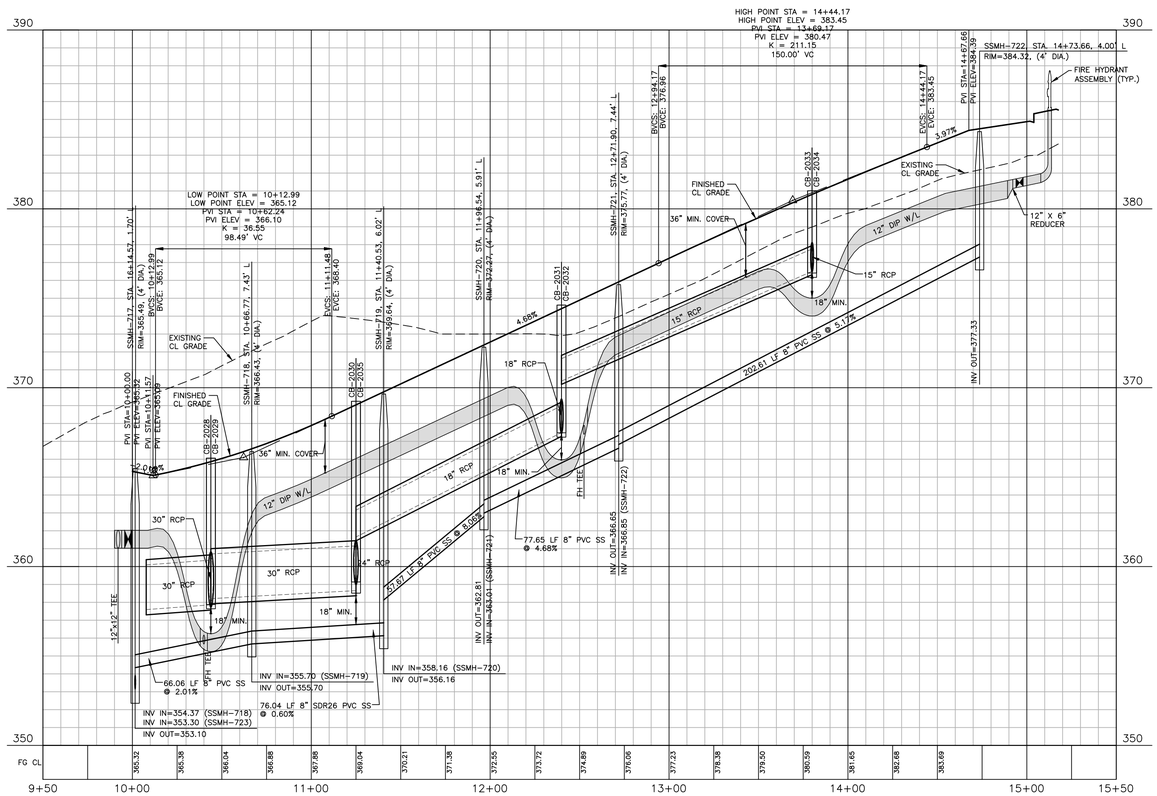


CB-2108
STA. 11+18.50
T/C=370.15
INV IN=365.45 (CB-2109)
INV OUT=365.35

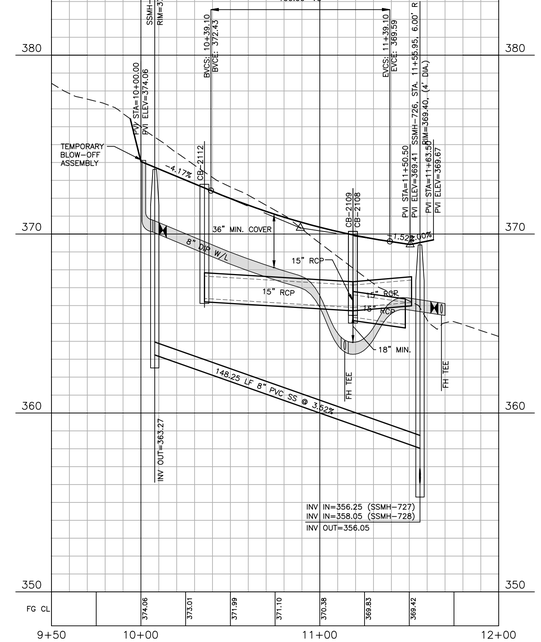
CB-2109
STA. 11+18.50
T/C=370.15
INV IN=365.90 (CB-2110)
INV IN=365.90 (CB-2112)
INV OUT=365.80

CB-2112
STA. 10+35.50
T/C=372.78
INV IN=366.50 (DI-2113)
INV OUT=366.40

MARROW COURT



TROUPE WAY



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CONTACT: BOB MISHLER
ASHTON WOODS

REVISIONS
NO. DATE

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

THE POINT - PHASES 8, AND 14
CONSTRUCTION DRAWINGS - PACKAGE 3
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,
WAKE COUNTY, NORTH CAROLINA

PLAN INFORMATION

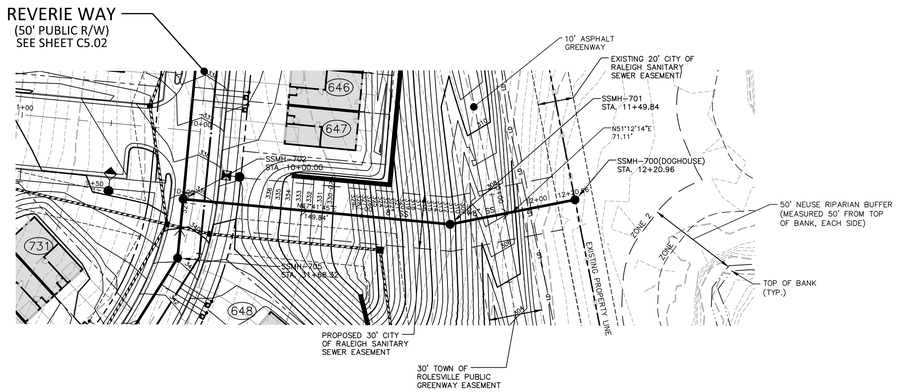
PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-Pkg-03-P1
CHECKED BY	WTO
DRAWN BY	TKD
SCALE	1"=40'/1"=4'
DATE	12. 13. 2023

CD XX-XX

PLAN AND PROFILE
STREET "A", STA. 10+00 THRU STA. 22+00
SS O/F "A", STA. 10+00 THRU STA. 22+00

C5.05

M:\Projects\AWH\AWH-20000\04-Production\Engineering\CD PKG 3\Current Drawings\AWH20000-CD-Pkg-03-P1.dwg, 12/13/2023 11:04:16 AM, Tommy Daboll



GRAPHIC SCALE
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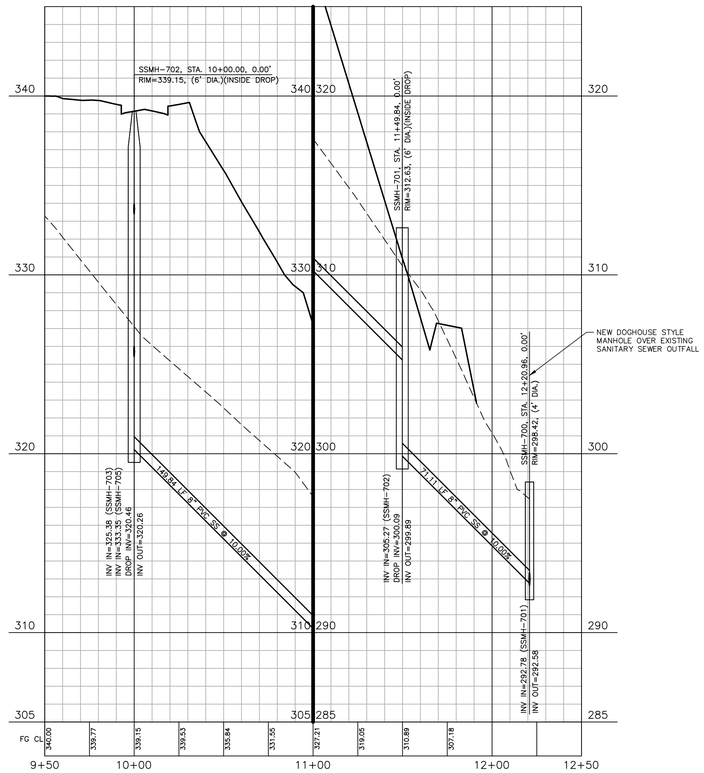
1 inch = 40 ft.

SS O/F "K"



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REVISIONS
NO. DATE

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

THE POINT - PHASES 8, AND 14
CONSTRUCTION DRAWINGS - PACKAGE 3
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,
WAKE COUNTY, NORTH CAROLINA

PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-Pkg-03-P2
CHECKED BY	WTO
DRAWN BY	TKD
SCALE	1"=40'/1"=4'
DATE	12. 13. 2023

CD XX-XX

PLAN AND PROFILE
SS O/F "K", STA. 10+00 THRU STA. 12+20.96

C5.06

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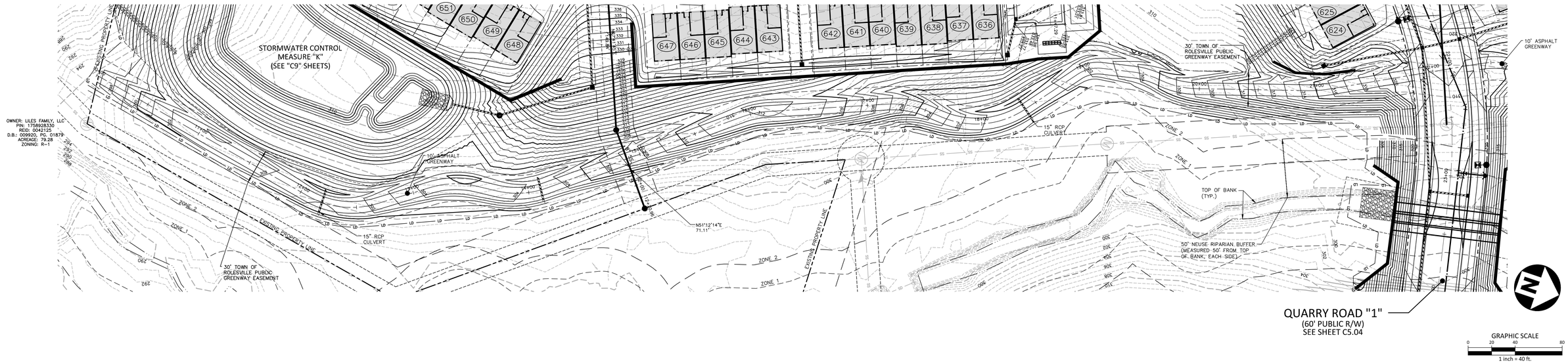
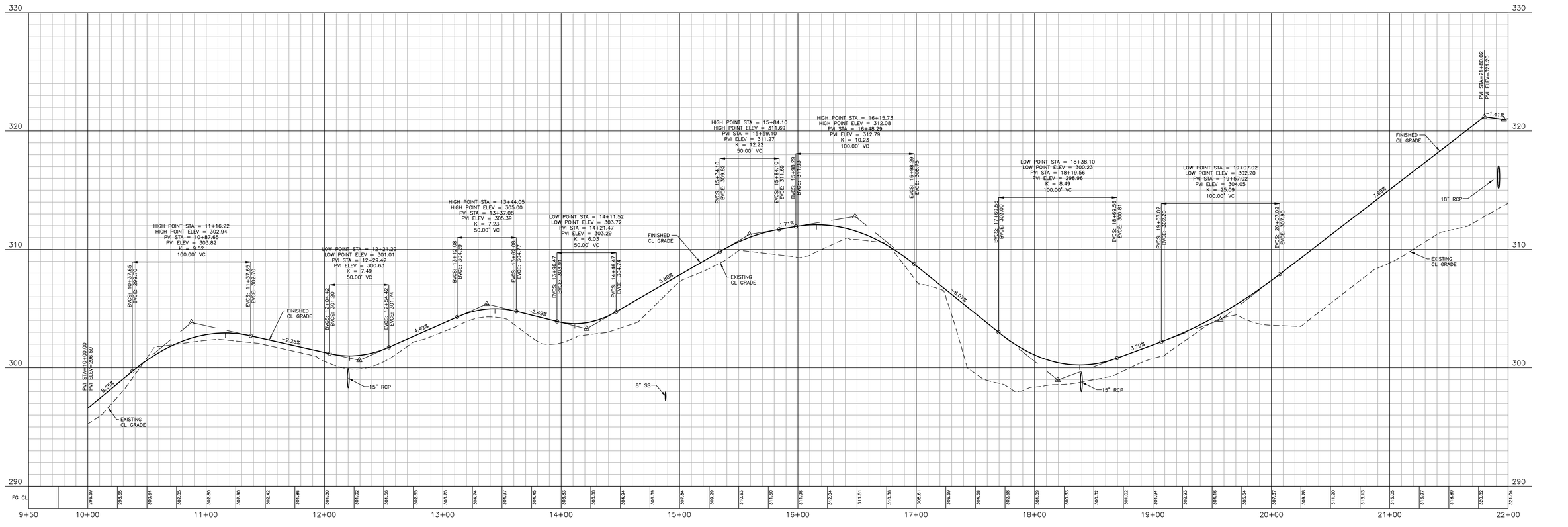


GREENWAY "1"



FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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ASHTON WOODS

REVISIONS
NO. DATE

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 22630 WILLIAM T. O'DANIEL — NOT FOR CONSTRUCTION — FINAL PLANNING SUBMISSION

THE POINT - PHASES 8, AND 14
CONSTRUCTION DRAWINGS - PACKAGE 3
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,
WAKE COUNTY, NORTH CAROLINA

PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-Pkg-03-P2
CHECKED BY	WTO
DRAWN BY	TKD
SCALE	1"=40'/1"=4'
DATE	12. 13. 2023

CD XX-XX

PLAN AND PROFILE
GREENWAY "1", STA. 10+00 THRU STA. 22+00

C5.07

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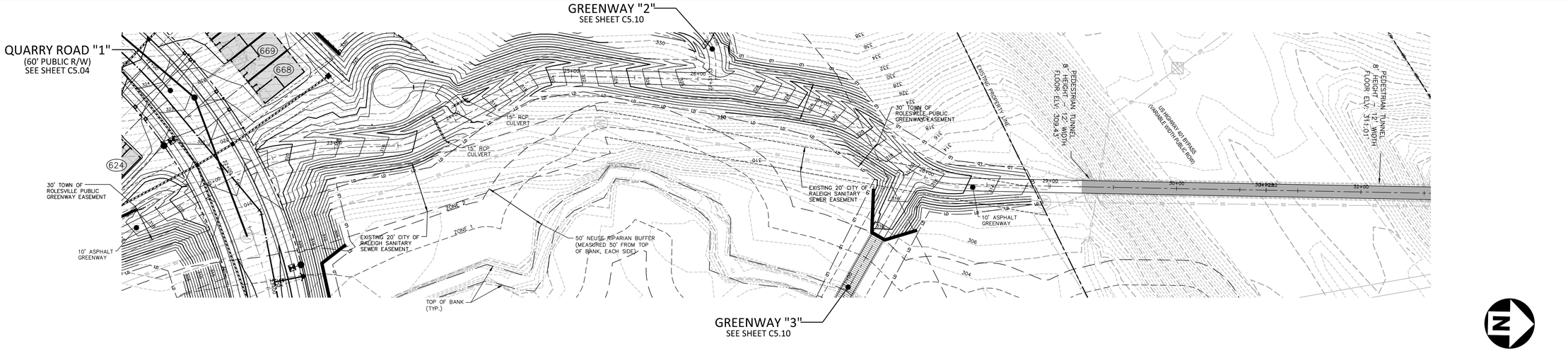

GRAPHIC SCALE
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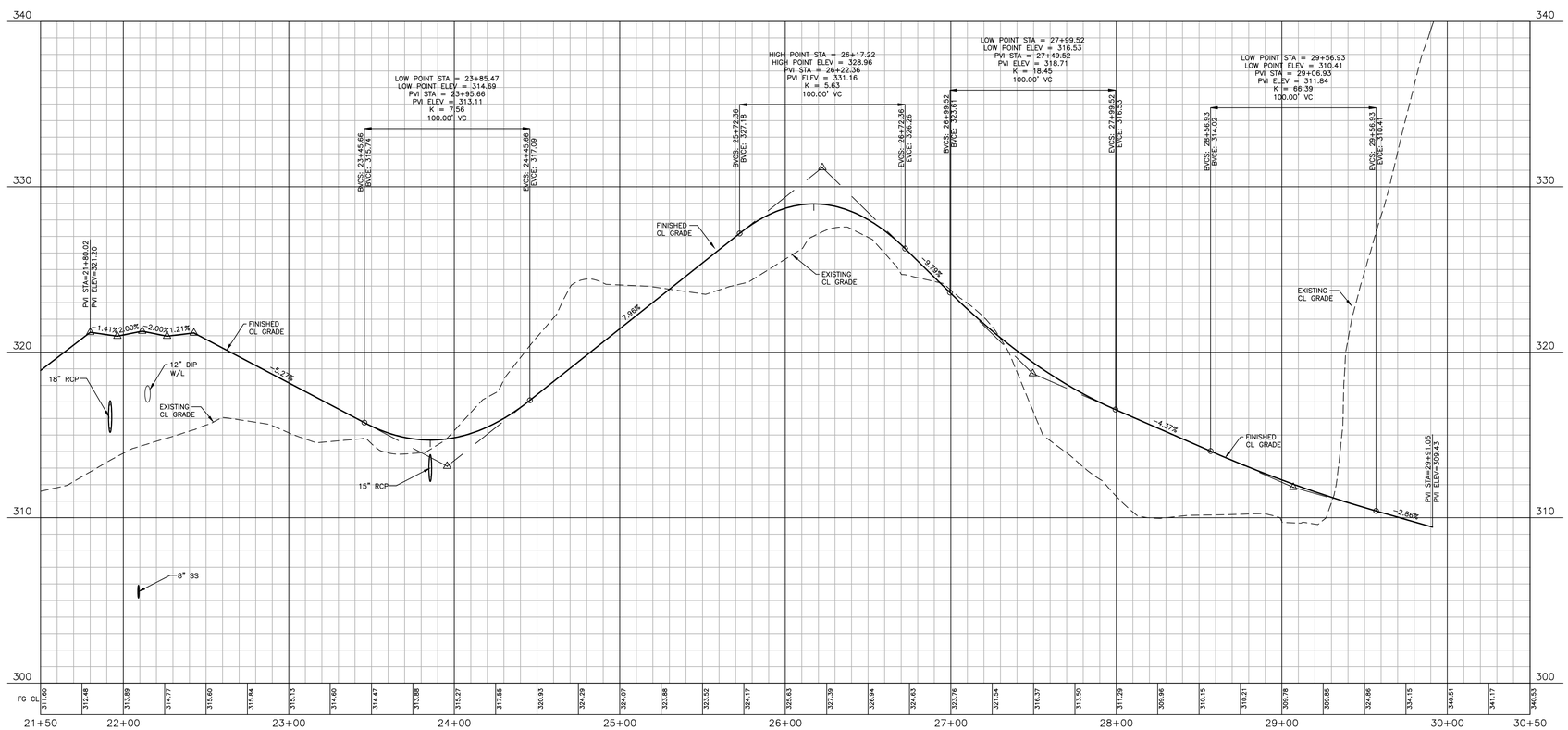
1 inch = 40 ft.

GREENWAY "1"



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REVISIONS
NO. DATE

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

THE POINT - PHASES 8, AND 14
CONSTRUCTION DRAWINGS - PACKAGE 3
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,
WAKE COUNTY, NORTH CAROLINA

PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-Pkg-03-P2
CHECKED BY	WTO
DRAWN BY	TKD
SCALE	1"=40'/1"=4'
DATE	12. 13. 2023

CD XX-XX

PLAN AND PROFILE
GREENWAY "1", STA. 22+00 THRU STA. 29+91.05

C5.08

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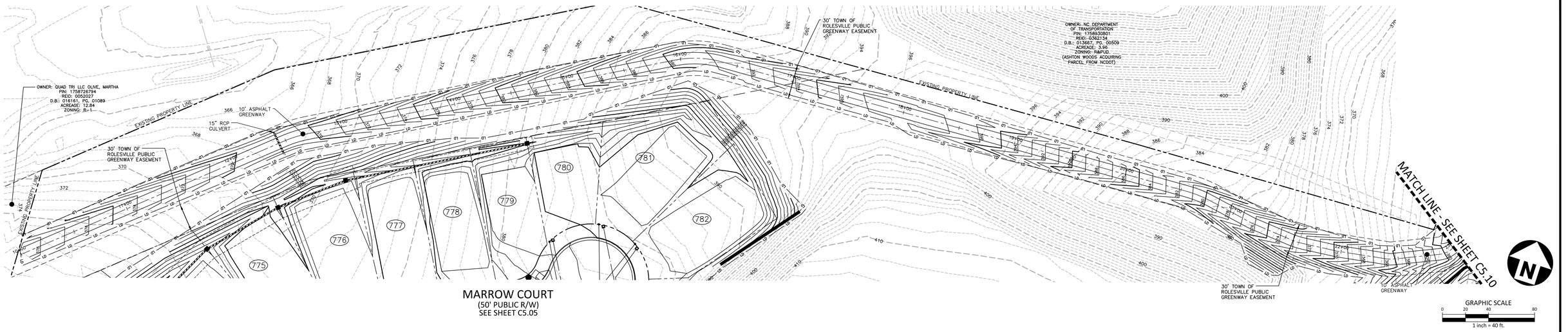

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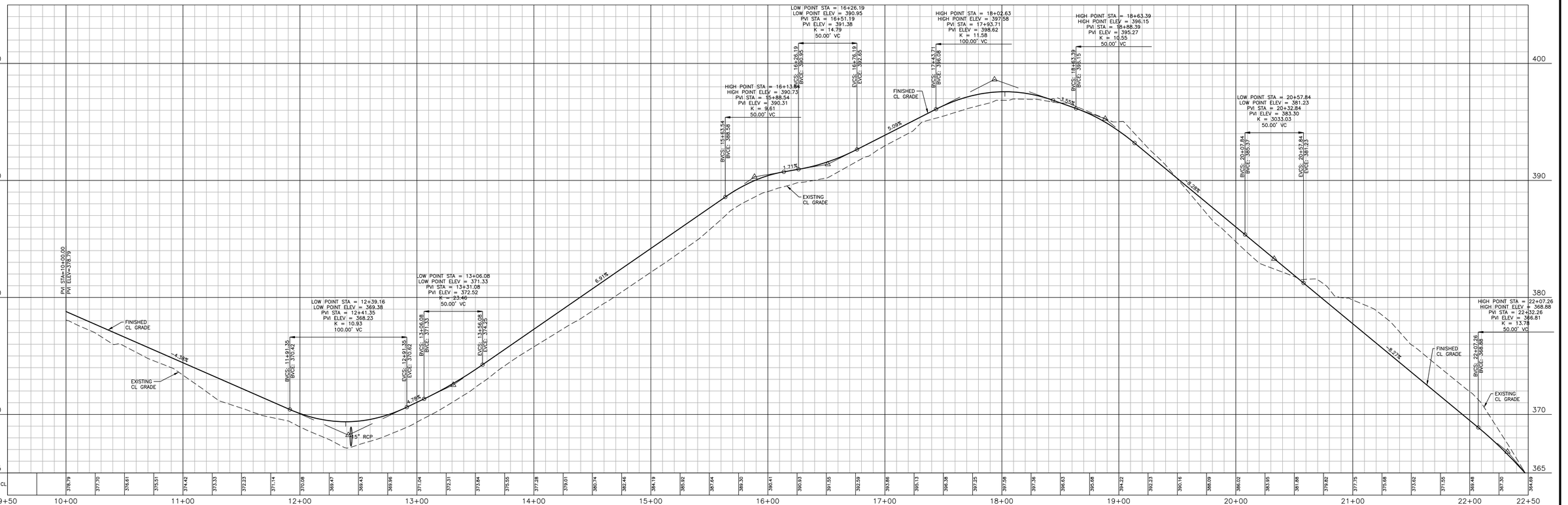

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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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 8, AND 14
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PLAN INFORMATION

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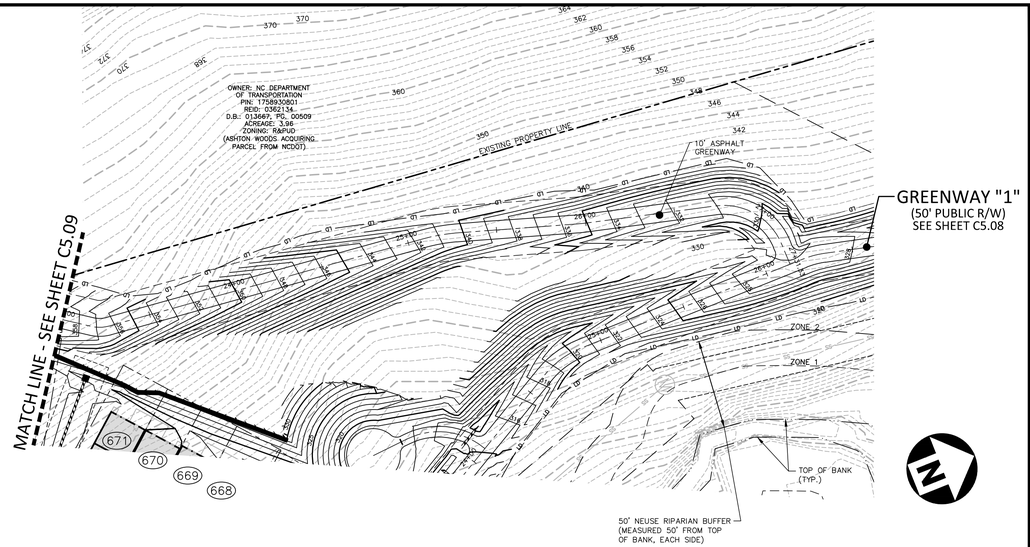
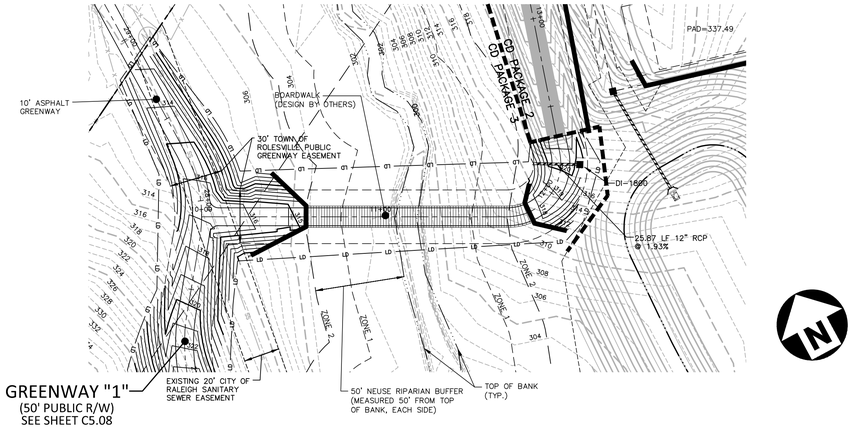
SCALE	1"=40'/1"=4'
DATE	12. 13. 2023

CD XX-XX

PLAN AND PROFILE
GREENWAY "2", STA. 10+00 THRU STA. 22+50

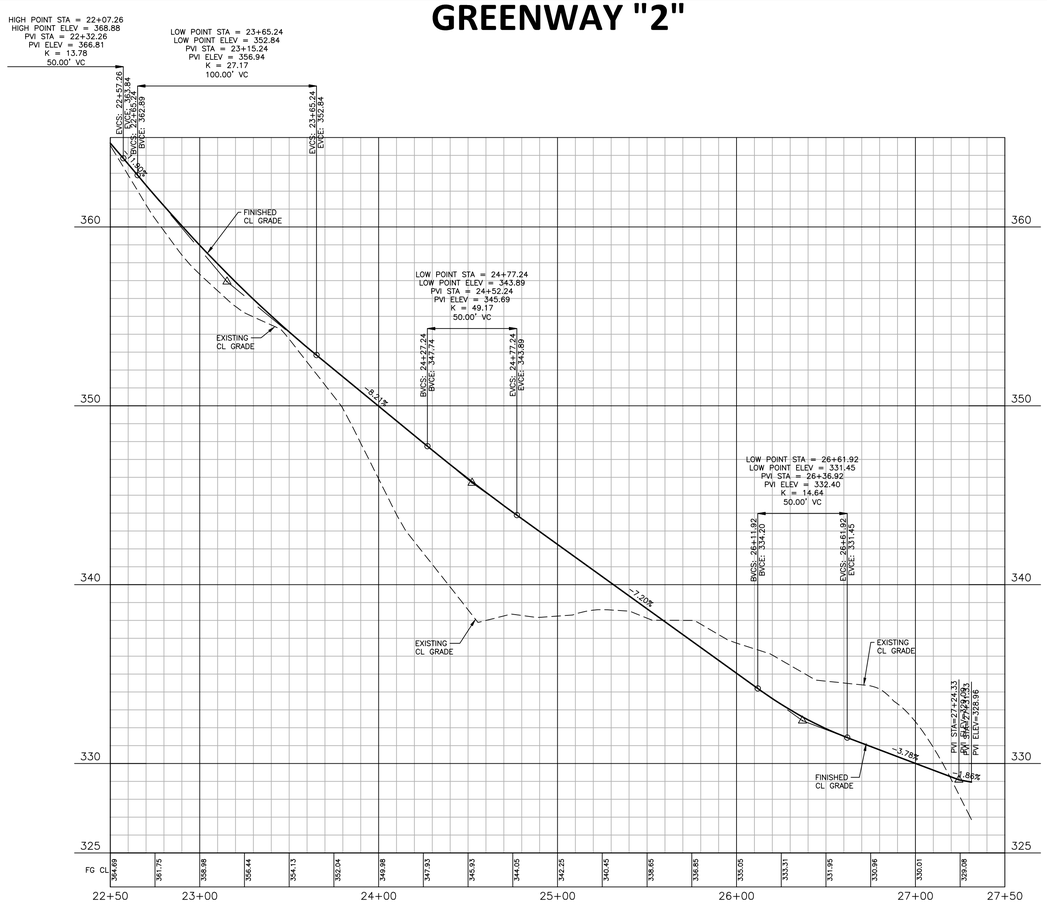
C5.09



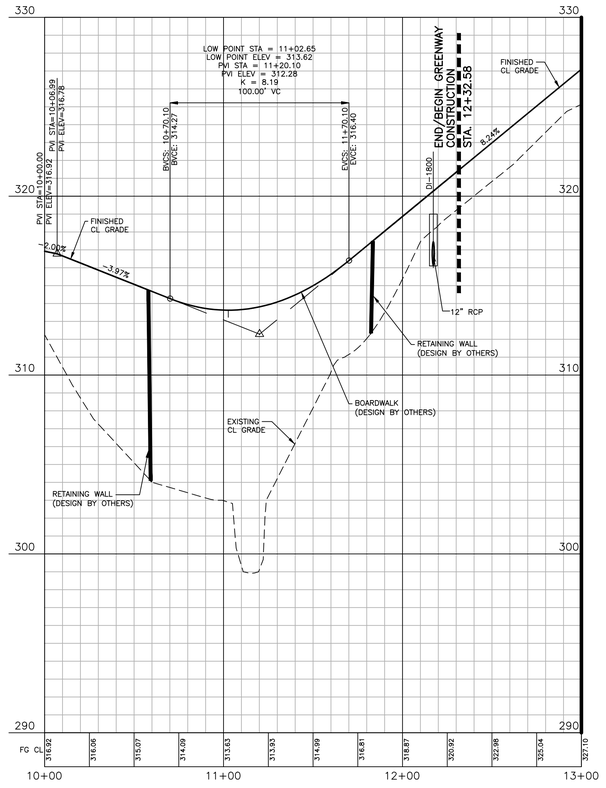


GRAPHIC SCALE
0 20 40 80
1 inch = 40 ft.

GREENWAY "2"



GREENWAY "3"



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ASHTON WOODS

REVISIONS
NO. DATE

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

THE POINT - PHASES 8, AND 14
CONSTRUCTION DRAWINGS - PACKAGE 3
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,
WAKE COUNTY, NORTH CAROLINA

PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-Pkg-03-P2
CHECKED BY	WTO
DRAWN BY	TKD
SCALE	1"=40'/1"=4'
DATE	12. 13. 2023

CD XX-XX

PLAN AND PROFILE
GREENWAY "2", STA. 22+50 THRU STA. 27+31.33
GREENWAY "3", STA. 22+50 THRU STA. 27+31.33

C5.10

M:\Projects\AWH\AWH-20000\04-Production\Engineering\CD PKG 3\Current Drawings\AWH20000-CD-Pkg-03-P2.dwg, 12/13/2023 11:10:55 AM, Tommy Dubois

EROSION CONTROL NOTES

1. ALL CONSTRUCTION SHALL CONFORM TO THE LATEST TOWN OF ROLESVILLE AND WAKE COUNTY 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 C6.01A.
   c. TREE PROTECTION FENCE
   d. SILT FENCING SURROUNDING SITE WITH SILT FENCE OUTLETS.
   e. INLET PROTECTION FOR EXISTING INLETS WITHIN ROADWAYS.
5. INSTALL THE FOLLOWING EROSION AND SEDIMENTATION CONTROL DEVICES PER THE APPROVED PLAN IN THE FOLLOWING ORDER:
   a. SKIMMER BASINS WITH POROUS BAFFLES AND OUTLET PROTECTION.
   b. TEMPORARY DIVERSION DITCHES WITH SPECIFIED LINERS.
6. AFTER TEMPORARY DIVERSION DITCHES, SILT FENCING, AND RIP RAP BASINS ARE IN PLACE; BEGIN INSTALLING THE STREAM DIVERSION/PUMP-AROUND AS SHOWN ON SHEET C6.02A. FOLLOW THE SEQUENCE BELOW:
   a. INSTALL "AQUA BARRIER" (OR EQUIVALENT) COFFER DAMS AS SHOWN ON THE PLAN
   b. PROVIDE PUMP AND DIVERT PUMPED FLOW THROUGH A FILTER BAG AS SHOWN AND DISCHARGE FLOW DOWNSTREAM OF THE STREAM CROSSING AREA.
   c. MAINTAIN THE ABOVE DEVICES UNTIL THE PERMANENT STREAM CROSSING IS COMPLETE AND STABILIZED.
7. CLEAR ONLY AS NECESSARY TO INSTALL THESE DEVICES.
8. CLEAR AND GRUB AREA FOR FUTURE CONSTRUCTION. CONTRACTOR TO COORDINATE WITH DEVELOPER TO OBTAIN NECESSARY OFFSITE EASEMENTS.
9. WHEN STAGE 1 CONSTRUCTION IS COMPLETE, CALL WAKE COUNTY ENVIRONMENTAL SERVICES FOR INSPECTION. PROCEED TO STAGE 2.

CONSTRUCTION SEQUENCE - STAGE 2:

1. MAINTAIN DEVICES AS NEEDED IN ACCORDANCE WITH THE NOTES ON THIS SHEET.
2. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN 14 DAYS OF INACTIVITY.
3. 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.
4. 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.
5. CONTRACTOR TO MAINTAIN POSITIVE DRAINAGE IN DIVERSION DITCHES AND TO SEDIMENT BASINS AT ALL TIMES THROUGHOUT CONSTRUCTION.
6. SUBMIT DOCUMENTATION REQUIRED UNDER THE SITE NPDES STORMWATER PERMIT FOR CONSTRUCTION ACTIVITY (NCG010000) TO WAKE COUNTY THROUGHOUT THE PROJECT.
7. SEED AND MULCH AREAS DISTURBED ALONG PROJECT PERIMETER AND AREAS DOWNSTREAM OF SEDIMENT BASINS SHALL BE STABILIZED IMMEDIATELY UPON CONSTRUCTION. SEE "SEEDING AND MULCHING" NOTES ON THIS SHEET.
8. ALL OFF-SITE STREETS SHALL BE KEPT CLEAN AS NOTED IN EROSION CONTROL NOTES DURING HAUL OFF OF EXCAVATED MATERIAL.
9. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN 14 DAYS OF INACTIVITY.

CONSTRUCTION SEQUENCE - STAGE 3:

1. COMPLETE FINE GRADING OF SITE. CONTINUE TO STABILIZE DISTURBED AREAS WITH VEGETATION AS GRADING IS COMPLETED.
2. INSTALL AND MAINTAIN PERMANENT SLOPE PROTECTION LINERS AS SHOWN ON PLAN.
3. NOTIFY NCDEQ-DEMLR AND WAKE COUNTY E&SC INSPECTOR, A MINIMUM OF 10 DAYS PRIOR TO INITIATING BASIN DEWATERING/REMOVAL SEQUENCE, PER NCG01 PERMIT.
4. SEE BASIN REMOVAL SEQUENCE ON THIS SHEET.
5. 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-4	TD-5	TD-6	TD-7	TD-8
MINIMUM DEPTH (FT)	1.23	0.95	0.7	1.15	0.68	0.41	0.93	0.28
MINIMUM BOTTOM WIDTH (FT)	0	0	0	0	0	0	0	0
CALCULATED VELOCITY	8.91	3.01	2.28	3.72	2.50	2.25	7.82	1.18
ALLOWABLE VELOCITY	9.0	6.0	6.0	6.0	6.0	6.0	10.0	5.0
CALCULATED SHEAR STRESS	4.12	1.43	1.12	1.61	1.41	1.58	1.92	0.49
ALLOWABLE SHEAR STRESS	8.0	1.75	1.75	1.75	1.75	1.75	2.35	1.55
TEMPORARY LINER SPECIFICATION*	NO LINER	ERONET S150	ERONET S150	ERONET S150	ERONET S150	ERONET S150	BIONET C125BN	NO LINER
PERMANENT LINER SPECIFICATION*	ERONET P300	NO LINER	NO LINER	NO LINER	NO LINER	NO LINER	NO LINER	ERONET S75

* ALL SPECIFICATIONS ARE NORTH AMERICAN GREEN ROLLMAX PRODUCTS OR EQUAL

SEDIMENT TRAP DESIGN TABLE

SEDIMENT TRAP ID	SB-K	SB-L	ST-1	ST-2	ST-3	RB-1	RB-2	RB-3
Q10 (CFS)	49.1 cfs	58.3 cfs	11.5 cfs	28.6 cfs	14.9 cfs	0.1 cfs	0.1 cfs	0.1 cfs
Bottom Length	N/A	N/A	80	130 ft	100 ft	10 ft	10 ft	6 ft
Bottom Width	N/A	N/A	40	60 ft	40 ft	5 ft	5 ft	3 ft
Sediment Depth	5.5 ft	3.5 ft	2.0 ft	2.0 ft	2.0 ft	2.0 ft	2.0 ft	2.0 ft
Freeboard (from Sediment Depth)	2.0 ft	2.0 ft	2.0 ft	2.0 ft	2.0 ft	1.0 ft	1.0 ft	1.0 ft
Depth to Crest of Spillway	5.5 ft	3.5 ft	2.0 ft	2.0 ft	2.0 ft	2.0 ft	2.0 ft	2.0 ft
Side Slopes1	3.0H:1V	3.0H:1V	2.0H:1V	2.0H:1V	2.0H:1V	2.0H:1V	2.0H:1V	2.0H:1V
Spillway Length	16 ft	16 ft	12 ft	28 ft	15 ft	5 ft	5 ft	5 ft
Height of Berm	7.5 ft	5.5 ft	4 ft	4 ft	4 ft	3 ft	3 ft	3 ft
Top of Trap Length	N/A	N/A	96	146 ft	116 ft	22 ft	22 ft	18 ft
Top of Trap Width	N/A	N/A	56	76 ft	56 ft	17 ft	17 ft	15 ft
Storage Volume Required	27217 cf	32274 cf	6346 cf	15845 cf	8249 cf	175 cf	187 cf	140 cf
Storage Volume Prov'd.	128370 cf	90040 cf	3989 cf	17148 cf	9148 cf	260 cf	260 cf	150 cf
Sediment Surface Area Req'd	21380 sf	25350 sf	3720 sf	9300 sf	4840 sf	140 sf	150 sf	110 sf
Sediment Surface Area Prov'd	28927 sf	29400 sf	4204 sf	9362 sf	5162 sf	230 sf	230 sf	150 sf
Drainage Area (AC.)	15.12 ac	17.93 ac	3.53 ac	8.80 ac	4.58 ac	0.10 ac	0.10 ac	0.08 ac
Disturbed Area (AC.)	15.12 ac	17.93 ac	3.53 ac	8.80 ac	4.58 ac	0.10 ac	0.10 ac	0.08 ac

Trap ID	Drawdown	Skimmer Type(s)
SB-K	3 DAYS	1 – 3 inch Skimmers with a 2.9 inch orifice
SB-L	3 DAYS	1 – 4 inch Skimmers with a 2.9 inch orifice
ST-1	3 DAYS	1 – 2 inch Skimmers with a 1.5 inch orifice
ST-2	3 DAYS	1 – 2.5 inch Skimmers with a 2.3 inch orifice
ST-3	3 DAYS	1 – 2 inch Skimmers with a 1.8 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 = 34.40 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.

811 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.
900 RIDGEFIELD DRIVE, SUITE 335
RALEIGH, NORTH CAROLINA 27609
PHONE: 919. 422. 7663
CONTACT: BOB MISHLER

ASHTON WOODS

THE POINT
PHASES 8 AND 14
CONSTRUCTION DRAWINGS - PACKAGE 3
EAST YOUNG STREET
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP, WAKE COUNTY, NORTH CAROLINA

CD XX-XX

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

REVISIONS

NO.	DATE

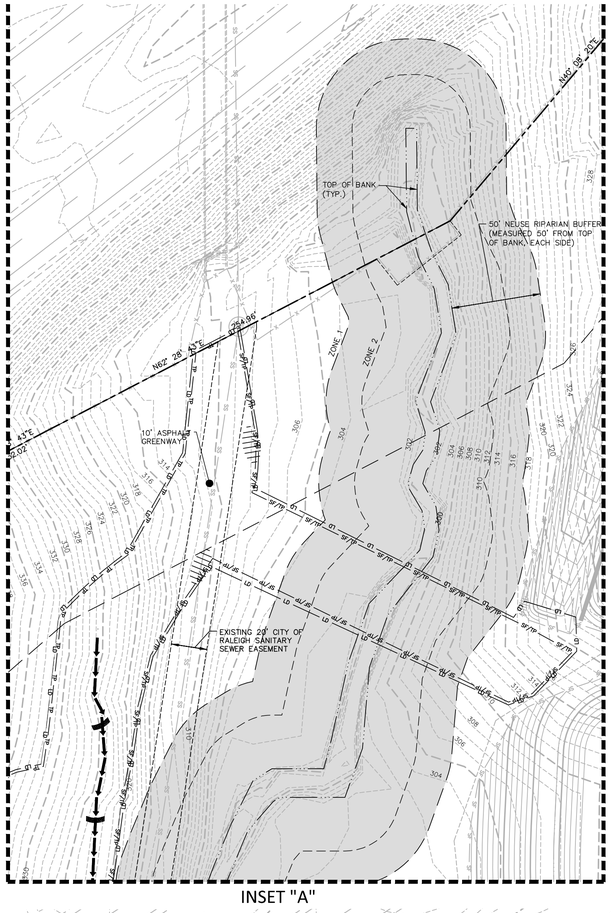
PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-02-EC4
CHECKED BY	.
DRAWN BY	.
SCALE	N.T.S.
DATE	11. 17. 2023

SHEET

EROSION CONTROL NOTES
C6.00

M:\Projects\AWH\AWH-20000\04-Production\Engineering\CD PKG 3\Current Drawing\AWH20000-CD Pkg-03-EC4.dwg, 11/16/2023 12:09:20 AM, Ashley Abbott



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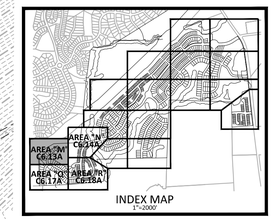

INDEX MAP
1"=2000'

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

OWNER: NC DEPARTMENT OF TRANSPORTATION
PIN: 1758930801
REID: 0362134
D.B.: 013667, PG. 00509
ACREAGE: 3.96
ZONING: R&PUD
(ASHTON WOODS ACQUIRING PARCEL FROM NCDOT)

LIMITS OF DISTURBANCE (TYP.)
TREE PROTECTION FENCE (TYP.)
N87° 33' 48"E 469.05'
N60° 44' 26"E 304.37'
EXISTING RIGHT-OF-WAY
N48° 45' 51"E 219.22'
SILT FENCE OUTLET AT ALL LOW POINTS (TYP.)
12' EMERGENCY SPILLWAY
SILT FENCE (TYP.)
TD-6 TEMPORARY DIVERSION DITCH/BERM
TEMPORARY CHECK DAM (TYP.)
MAINTENANCE PAD NOTE: WHEN CLEANING OUT BASIN, PLACE SILT BAG HERE FOR DISCHARGING SEDIMENT LADEN WATER.
6" HDPE TEMPORARY SLOPE DRAIN (TSD-6)
COIR BAFFLES (TYP.)
ST-1 (SEE SUMMARY TABLE)
SKIMMER DEVICE, SEE SUMMARY TABLE
EXISTING RIGHT-OF-WAY
LIMITS OF DISTURBANCE (TYP.)
SILT FENCE (TYP.)
FILTER BERM
LIMITS OF DISTURBANCE (TYP.)
TREE PROTECTION FENCE (TYP.)

OWNER: QUAD TRI LLC OLIVE, MARTHA
PIN: 1758726794
REID: 0052027
D.B.: 016161, PG. 01089
ACREAGE: 12.84
ZONING: R-10

SEE SHEET C6.14A

EROSION CONTROL LEGEND

- SILT FENCE OUTLET
- INLET PROTECTION
- INLET PROTECTION FOR EXISTING STRUCTURES
- TEMPORARY SLOPE DRAIN
- FILTER BERM
- CHECK DAM
- SF — SF — SF — SILT FENCE
- TP — TP — TP — TREE PROTECTION FENCE
- LD — LD — LIMITS OF DISTURBANCE
- WOODED AREA
- DIVERSION DITCH
- CONSTRUCTION ENTRANCE/EXIT

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

SEE SHEET C6.17A

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

M:\Projects\AWH-20000\04-Production\Engineering\CD PKG 3\Current Drawings\AWH20000-CD-Pkg-03-EC1.dwg, 11/15/2023 11:48:33 PM, Ashley Abbott

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ASHTON WOODS

THE POINT
PHASES 8 AND 14
CONSTRUCTION DRAWINGS - PACKAGE 3
EAST YOUNG STREET
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP, WAKE COUNTY, NORTH CAROLINA

CD XX-XX

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

REVISIONS

NO.	DATE

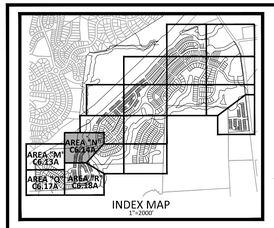
PLAN INFORMATION

PROJECT NO.	AWH-20000
FILENAME	AWH20000-CD-PKG-03-E2
CHECKED BY	.
DRAWN BY	.
SCALE	1"=40'
DATE	11. 17. 2023

SHEET

EROSION CONTROL PLAN
STAGE 1
AREA "M"

C6.13A



INDEX MAP
1"=2000'

EROSION CONTROL LEGEND

- SILT FENCE OUTLET
- INLET PROTECTION
- INLET PROTECTION FOR EXISTING STRUCTURES
- TEMPORARY SLOPE DRAIN
- FILTER BERM
- CHECK DAM
- SF SF SF — SILT FENCE
- TP TP TP — TREE PROTECTION FENCE
- LD LD — LIMITS OF DISTURBANCE
- WOODED AREA
- DIVERSION DITCH
- CONSTRUCTION ENTRANCE/EXIT

SEE INSET "A" - SHEET C6.13A

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

EXISTING RIGHT-OF-WAY

N09° 20' 43"E 535.11'

EXISTING 20' CITY OF RALEIGH SANITARY SEWER EASEMENT

SILT FENCE (TYP.)

TREE PROTECTION FENCE (TYP.)

LIMITS OF DISTURBANCE (TYP.)

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

TOP OF BANK (TYP.)

STORMWATER CONTROL MEASURE "J" UNDER CONSTRUCTION

SOLACE WAY (50' PUBLIC R/W)

CD PACKAGE 2 CURRENTLY UNDER CONSTRUCTION

AQUA BARRIER COFFER DAM OR APPROVED EQUIVALENT

TEMPORARY CONCRETE WASHOUT

PUMP AROUND WORK AREA THROUGH FILTER BAG

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT

SILT FENCE OUTLET AT ALL LOW POINTS (TYP.)

TD-7
TEMPORARY DIVERSION DITCH/BERM

RIP RAP BASIN RB-1
WEIR=5' LONG
DRAINAGE AREA=0.10 AC.
STORAGE REQUIRED=175 CF
STORAGE PROVIDED=260 CF
WEIR ELEVATION=301.00
TOP OF BERM ELEVATION=302.00

40' STORM DRAINAGE EASEMENT

QUARRY ROAD (60' PUBLIC R/W)

TEMPORARY CHECK DAM (TYP.)

PROVIDE SINGLE-SPAN TIMBER MAT. SEE DETAIL ON SHEET C6.06

SSMH - RIM ELV: 307.24'
10" PVC INV. IN: 300.67' (N)
10" PVC INV. OUT: 300.58' (S)

TEMPORARY 12" CMP PIPE

RIP RAP BASIN RB-2
WEIR=5' LONG
DRAINAGE AREA=0.10 AC.
STORAGE REQUIRED=187 CF
STORAGE PROVIDED=260 CF
WEIR ELEVATION=301.00
TOP OF BERM ELEVATION=302.00

PUMP TO DIVERT STREAM FLOW REQUIRED TO INSTALL PERMANENT STREAM CROSSING

RIP RAP BASIN RB-3
WEIR=5' LONG
DRAINAGE AREA=0.08 AC.
STORAGE REQUIRED=140 CF
STORAGE PROVIDED=150 CF
WEIR ELEVATION=301.00
TOP OF BERM ELEVATION=302.00

CHARM COURT (50' PUBLIC R/W)

40' STORM DRAINAGE EASEMENT

AQUA BARRIER COFFER DAM OR APPROVED EQUIVALENT

OWNER: NC DEPARTMENT OF TRANSPORTATION
PIN: 1758930801
REID: 0362134
D.B.: 013667, PG: 00509
ACREAGE: 3.98
ZONING: R&PUD
(ASHTON WOODS ACQUIRING PARCEL FROM NCDOT)

N88° 08' 47"E 266.04'

LIMITS OF DISTURBANCE (TYP.)

TREE PROTECTION FENCE (TYP.)

TD-1
TEMPORARY DIVERSION DITCH/BERM

TREE PROTECTION FENCE (TYP.)

LIMITS OF DISTURBANCE (TYP.)

TEMPORARY CHECK DAM (TYP.)

SILT FENCE (TYP.)

TREE PROTECTION FENCE (TYP.)

LIMITS OF DISTURBANCE (TYP.)

15" HDPE TEMPORARY SLOPE DRAIN (TSD-7)

SKIMMER DEVICE SEE SUMMARY TABLE

TD-1
TEMPORARY DIVERSION DITCH/BERM

COIR BAFFLES (TYP.)

ST-2
(SEE SUMMARY TABLE)

TEMPORARY SLOPE DRAIN (TSD-8)

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

TD-8
TEMPORARY DIVERSION DITCH/BERM

28' EMERGENCY SPILLWAY

SILT FENCE OUTLET AT ALL LOW POINTS (TYP.)

EXISTING 20' CITY OF RALEIGH SANITARY SEWER EASEMENT

SSMH - RIM ELV: 300.40'
10" PVC INV. IN: 294.95' (N)
10" PVC INV. OUT: 294.88' (S)

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

TOP OF BANK (TYP.)

6" HDPE TEMPORARY CHECK DAM (TYP.)

EXISTING 20' CITY OF RALEIGH SANITARY SEWER EASEMENT

25' TYPE B LANDSCAPE BUFFER

SEE SHEET C6.13A

SEE SHEET C6.18A

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

M:\Projects\AWH\AWH-20000\04-Production\Engineering\CD PKG 3\Current Drawings\AWH20000-CD-PKG-03-EC1.dwg, 12/6/2023 4:43:45 PM, Ashley Abbott

McADAMS
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RALEIGH, NORTH CAROLINA 27609
PHONE: 919. 422. 7663
CONTACT: BOB MISHLER

ASHTON WOODS

THE POINT
PHASES 8 AND 14
CONSTRUCTION DRAWINGS - PACKAGE 3
EAST YOUNG STREET
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP, WAKE COUNTY, NORTH CAROLINA

CD XX-XX

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-03-E2
CHECKED BY	WTO
DRAWN BY	.
SCALE	1"=40'
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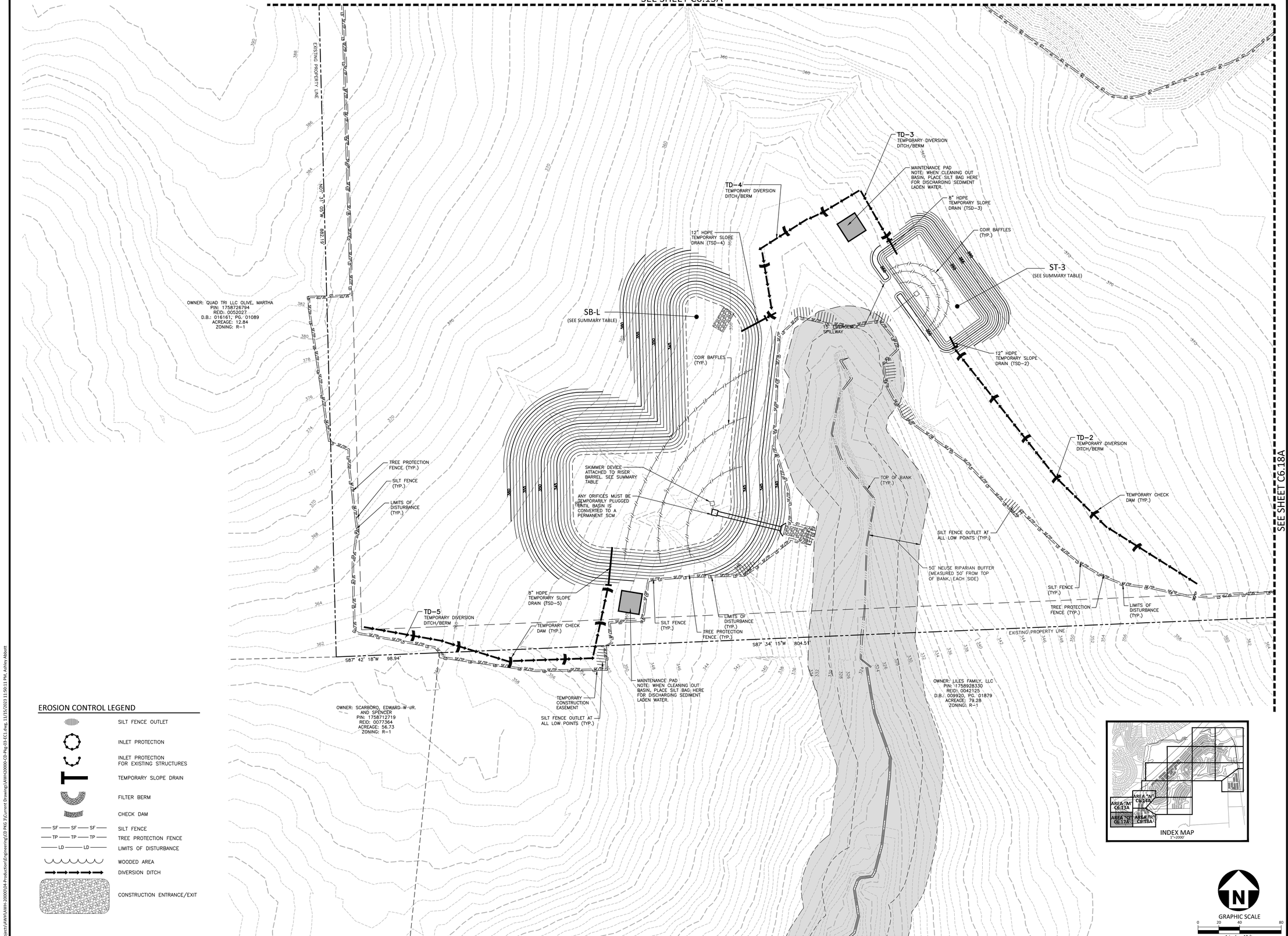
SHEET

EROSION CONTROL PLAN
STAGE 1
AREA "N"

C6.14A

SEE SHEET C6.13A

SEE SHEET C6.18A



EROSION CONTROL LEGEND

- SILT FENCE OUTLET
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- INLET PROTECTION FOR EXISTING STRUCTURES
- TEMPORARY SLOPE DRAIN
- FILTER BERM
- CHECK DAM
- SF — SF — SF — SILT FENCE
- TP — TP — TP — TREE PROTECTION FENCE
- LD — LD — LIMITS OF DISTURBANCE
- WOODED AREA
- DIVERSION DITCH
- CONSTRUCTION ENTRANCE/EXIT

INDEX MAP
1"=2000'

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

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CD XX-XX

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

REVISIONS

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DRAWN BY	.
SCALE	1"=40'
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SHEET

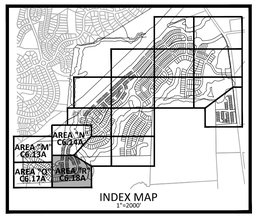
EROSION CONTROL PLAN
STAGE 1
AREA "Q"

C6.17A

M:\Projects\AWH\AWH-20000\04-Production\Engineering\CD PKG 3\Current Drawing\AWH20000-CD-PKG-03-EC1.dwg, 11/15/2023 11:50:11 PM, Ashley Abbott

SEE SHEET C6.14A

SEE SHEET C6.17A



INDEX MAP
1"=2000'

TD-1
TEMPORARY DIVERSION DITCH/BERM

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

TEMPORARY CHECK DAM (TYP.)

25' TYPE B LANDSCAPE BUFFER

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

EXISTING 20' CITY OF RALEIGH SANITARY SEWER EASEMENT

EXISTING PROPERTY LINE

TOP OF BANK (TYP.)

SILT FENCE (TYP.)

TREE PROTECTION FENCE (TYP.)

LIMITS OF DISTURBANCE (TYP.)

S22° 18' 15"E 512.66'

S38° 12' 45"E 339.66'

SILT FENCE OUTLET AT ALL LOW POINTS (TYP.)

15" HDPE TEMPORARY SLOPE DRAIN (TSD-1)

COIR BAFFLES (TYP.)

SB-K
(SEE SUMMARY TABLE)

SKIMMER DEVICE ATTACHED TO RISER BARREL. SEE SUMMARY TABLE.

ANY ORIFICES MUST BE TEMPORARILY PLUGGED UNTIL BASIN IS CONVERTED TO A PERMANENT SCM

15" HDPE TEMPORARY SLOPE DRAIN (TSD-9)

S10° 59' 36"W 391.47'

TD-2
TEMPORARY DIVERSION DITCH/BERM

TEMPORARY CHECK DAM (TYP.)

S84° 40' 21"W 825.02'

S84° 40' 21"W 65.51'

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

VARIABLE WIDTH TEMPORARY CONSTRUCTION EASEMENT (TYP.)

EROSION CONTROL LEGEND

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GRAPHIC SCALE
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DRAWN BY	TKD
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DATE	12. 6. 2023

SHEET

EROSION CONTROL PLAN
STAGE 1
AREA "R"

C6.18A

M:\Projects\AWH\AWH-20000\04-Production\Engineering\CD PKG 3\Current Drawings\AWH20000-CD-Plg-03-EC1.dwg, 12/5/2023 9:14:16 AM, Ashley Abbott