CHAMBLEE LAKE

1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA
PD 2023-01 / PROJECT NUMBER 891828

CONSTRUCTION DRAWINGS

PROJECT NUMBER: DRH-22004
DATE: MAY 31, 2024

REQUIRED SETBACKS

SFD DETACHED (FRONT LOADED)
FRONT SETBACK (MIN): 20 FT
SIDE SETBACK (MIN): 5 FT
CORNER SETBACK (MIN): 15 FT
REAR SETBACK (MIN): 20 FT

SFD DETACHED (REAR LOADED)
FRONT SETBACK (MIN): 10 FT
SIDE SETBACK (MIN): 3 FT
CORNER SETBACK (MIN): 10 FT
REAR SETBACK (MIN): 20 FT

ATTACHED RESIDENTIAL (TOWNHOMES)
FRONT/STREET SETBACK (MIN): 5 FT (OR 20' FOR FACE OF GARAGE ON FRONT-LOADED UNIT)
SIDE SETBACK (MIN): N/A
MIN. BUILDING SEPARATION: 10 FT
REAR SETBACK (MIN): 20 FT

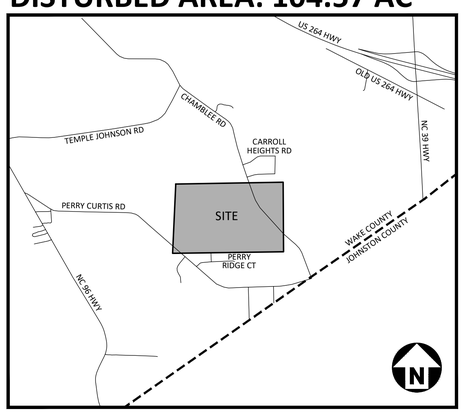
WATER ALLOCATION POINTS

POINTS	ITEM
10	BASE POINTS
7	CONSERVATION OF NATURAL HABITAT
10	ON-STREET PARKING
4	FOUNTAIN IN SCM FOR"OUTDOOR ENHANCEMENT"
10	ARCHITECTURAL STANDARDS
3	CLUBHOUSE WITH BATHROOMS - NO MEETING SPACE
2	RESORT STYLE POOL
1	DECK OR PATIO
2	WATER PLAY APPARATUS IN POOL
4	IPEMA PLAYGROUND
3	POLLINATOR GARDEN (225 SF MINIMUM)
3	POCKET PARK (5,000 SF MINIMUM)
9	INSTALLATION OF NATIVE SHADE TREE SPECIES (10+ TREES)
5	10% AFFORDABLE HOUSING (TOWNHOMES)
73	TOTAL POINTS

SITE DATA

PIN	2715-10-1559	
REAL ESTATE ID	0012701	
SITE AREA	136.00 AC	
RIVER BASIN	NEUSE	
WATERSHED	MOCCASIN CREEK	
EXISTING ZONING	R-30 (WAKE COUNTY ZONING)	
PROPOSED ZONING	PLANNED DEVELOPMENT (R4 BASE)	
PROPOSED USES	SINGLE FAMILY DETACHED AND TOWNHOUSES INCLUDING ACCESSORY USES	
DENSITY	355 UNITS / 136.00 AC = 2.61 DU/AC	
TREE SAVE	REQUIRED	136.00 AC x 5% = 6.80 AC
	PROVIDED	10.00 AC MINIMUM
OPEN SPACE	REQUIRED	136.00 AC x 10% = 13.60 AC
	PROVIDED	48.50 AC - PASSIVE 4.70 AC - ACTIVE 1.85 AC - AMENITY CENTER 1.07 AC - POCKET PARK "B" 0.30 AC - DOG PARK 1.48 AC - POCKET PARK "C" 53.20 AC - TOTAL
ACTIVE OPEN SPACE	REQUIRED	136.00 AC x 2.5% = 3.40 AC
	PROVIDED	4.70 AC
GUEST PARKING	REQUIRED	355 UNITS x 0.25 SPACES/UNIT = 89 SPACES
	PROVIDED	190 SPACES
PUBLIC IMPROVEMENT	LENGTH OF NEW PUBLIC ROADS - 14,790 LF	
	LENGTH OF MULTI-USE PATHS - 4,304 LF	
	LENGTH OF TRAILS - 6,389 LF	
	LENGTH OF SIDEWALKS - 27,104 LF	
CURRENT FUTURE LAND USE	SUBURBAN RESIDENTIAL (SR)	
PROPOSED FUTURE LAND USE	SUBURBAN RESIDENTIAL (SR)	
FEMA FLOODPLAIN	NOT PRESENT (FIRM PANEL 3720270500K, EFFECTIVE 7/19/2022)	
DISTURBED AREA	104.19 AC	

DISTURBED AREA: 104.57 AC



VICINITY MAP

N.T.S.

PROPOSED ZONING CONDITIONS

1. IN ORDER TO ACCOMMODATE A MORE COMPACT DESIGN THAT SUPPORTS PRESERVATION OF ENVIRONMENTAL SENSITIVE FEATURES, THIS PROJECT WOULD PERMIT FRONT-LOADING OF SFD DETACHED LOTS 50' AND LARGER (RATHER THAN 70'). THE APPLICANT HAS OFFERED TAILORED ARCHITECTURAL STANDARDS FOR THESE UNITS AS A CONDITION OF THE ZONING APPROVAL.

2. TO FACILITATE A MORE COMPACT DESIGN AND SUPPORT PRESERVATION OF OPEN SPACE AND ENVIRONMENTAL SENSITIVE FEATURES, CHAMBLEE LAKE SHALL ADHERE TO THE DIMENSIONAL STANDARDS OUTLINED IN THE PLANNED DEVELOPMENT DOCUMENT.

3. CHAMBLEE LAKE SHALL BE SUBJECT TO THE ARCHITECTURAL ZONING CONDITIONS INCLUDED WITHIN THE ASSOCIATED PLANNED DEVELOPMENT DOCUMENT.

4. THE ADOPTED COMPREHENSIVE TRANSPORTATION PLAN (CTP) CALLS FOR A 4-LANE DIVIDED ROADWAY TO TRAVERSE THE NORTHERN PORTION OF THIS PROPERTY, WEST OF CHAMBLEE ROAD. AS EXPLAINED IN THE APPLICANT'S CTP AMENDMENT REQUEST, THERE IS STRONG JUSTIFICATION FOR A DIFFERENT ROAD SECTION TO BE APPLIED. AS SUCH, THIS PLANNED DEVELOPMENT SHOWS A PROPOSED 2-LANE COLLECTOR ROAD WITH ON-STREET PARKING CONNECTING DIRECTLY TO PERRY CURTIS ROAD (IN LIEU OF THE CTP'S PROPOSED 4-LANE DIVIDED E-W ROADWAY). THIS PLAN ALSO INCORPORATES A 2-LANE DIVIDED SECTION WITH A MULTI-PURPOSE PATH ON ONE SIDE FOR CHAMBLEE ROAD.

5. CHAMBLEE LAKE WILL APPLY A 35% MAXIMUM IMPERVIOUS REQUIREMENT FOR THE DEVELOPMENT AS A WHOLE (BASED ON TOTAL ACREAGE).

6. PURSUANT TO UDO SECTION 3.5.5.B.4, THE APPLICANT REQUESTS AN EXEMPTION FROM SUBSEQUENT SITE PLAN REVIEW. THIS PD INCLUDES A MASTER PLAN THAT IS DETAILED AND MEETS THE REQUIREMENTS FOR A SITE PLAN, AS DEMONSTRATED BY THE INCLUDED ZEBULON SITE PLAN CHECKLIST. THEREFORE, UPON APPROVAL OF THIS PD, THE APPLICANT SHALL BE EXEMPT FROM SUBSEQUENT SITE PLAN REVIEW.

7. THE APPLICANT COMMITS TO PROVIDING 30' WIDE STREETSCAPE BUFFERS (EXCEEDING THE UDO REQUIRED 15').

8. THE APPLICANT COMMITS TO PROVIDING A 20' WIDE TYPE B BUFFER ALONG IT'S SHARED SOUTHERN BOUNDARY WITH PERRY RIDGE CT (EXCEEDING THE UDO REQUIRED 10' TYPE A BUFFER). WHERE EXISTING VEGETATION IS NOT USED TO SATISFY THE TYPE B BUFFER REQUIREMENT, A 6' PRIVACY FENCE WILL ALSO BE PROVIDED.

9. THE APPLICANT COMMITS (SUBJECT TO NCDOT REVIEW AND APPROVAL) TO PROVIDING 13' WIDE PLANTED AREAS WITHIN MEDIANS (EXCEEDING THE UDO REQUIRED 11').

10. PERIMETER AND STREETSCAPE BUFFERS SHALL BE COMPRISED OF NATIVE OR ADAPTIVE SPECIES.

11. BASED ON THE SITE'S ACREAGE, THE UDO WOULD REQUIRE A MINIMUM OF 13.6 ACRES OF DEDICATED OPEN SPACE (10% OF THE AND 6.8 ACRES OF TREE SAVE (5% OF THE SITE). THE APPLICANT HEREBY COMMITS TO PROVIDING A MINIMUM OF 41 ACRES OF OPEN SPACE (30% OF THE SITE) AND 13.6 ACRES OF TREE SAVE (10% OF THE SITE).

12. TO SUPPORT COMMUNITY GATHERINGS AND ACTIVE NEIGHBORHOODS, THE DEVELOPMENT'S MAIN AMENITY SITE AND 2 POCKET PARKS WILL INCORPORATE OFF-STREET PARKING OR MARKED ON-STREET PARKING TO ACCOMMODATE VISITORS WITHOUT IMPEDING TRAVEL LANES. SAID PARKING PROVIDES A SAFE AND CONVENIENT LOCATION FOR FOOD TRUCKS TO LOCATE IN SUPPORT OF COMMUNITY FUNCTIONS. FURTHERMORE, THE APPLICANT COMMITS TO PROVIDING A MINIMUM OF 2 LARGER PARKING SPACES WITHIN THE MAIN AMENITY SITE DESIGNED FOR FOOD TRUCKS OR DELIVERY VEHICLES, WITH AN ELECTRICAL OUTLET AVAILABLE.

13. IN ADDITION TO PROVIDING (AT A MINIMUM) SIDEWALKS ON BOTH SIDES OF ALL ROADS (SUBJECT TO NCDOT APPROVAL ALONG DOT MAINTAINED ROADWAYS), THE PROPOSED DEVELOPMENT WILL FURTHER SUPPORT PEDESTRIAN AND BICYCLE ACCESS THROUGH THE INCORPORATION OF A MULTI-USE PATH ALONG CHAMBLEE ROAD AND THE SITE'S PROPOSED EAST-WEST COLLECTOR ROAD. FURTHERMORE, CHAMBLEE LAKE WILL PROVIDE AN OFF-STREET PEDESTRIAN TRAIL NETWORK (BOTH PAVED AND UNPAVED) OF AT LEAST 1 MILE IN LENGTH, WITH A MINIMUM OF 4 EXERCISE STATIONS ALONG THE TRAIL. THIS PEDESTRIAN NETWORK, IN CONNECTION WITH SIDNEY CREEK'S COMMITTED IMPROVEMENTS, WILL PROVIDE A DIRECT CONNECTION TO FIVE COUNTY STADIUM.

14. ALL PLANNED IMPROVEMENTS TO ROADWAYS AND RIGHT-OF-WAY OWNED AND MAINTAINED BY THE NC DEPARTMENT OF TRANSPORTATION (NCDOT), INCLUDING IMPROVEMENTS THAT REQUIRE OFF-SITE PROPERTY ACQUISITION AND/OR EASEMENTS, ARE SUBJECT TO NCDOT APPROVAL DURING SUBSEQUENT PHASES OF DEVELOPMENT. IF ANY IMPROVEMENTS ARE NOT APPROVED BY NCDOT, ALTERNATIVE DESIGNS MAY BE ADMINISTRATIVELY APPROVED BY TOWN STAFF.

15. CONSTRUCTION OF A POOL AND CLUBHOUSE STRUCTURE SHALL BE COMPLETED AT THE EARLIER OF EITHER 24 MONTHS FROM RECORDATION OF THE PHASE 1 PLAT, OR PRIOR TO ISSUANCE OF THE 150TH CERTIFICATE OF OCCUPANCY.

16. IN ORDER TO PROTECT ADJACENT NEIGHBORHOODS, NO CONSTRUCTION TRAFFIC WILL UTILIZE PERRY RIDGE COURT OR RIDGE VALLEY WAY AS A MEANS OF ACCESS.

17. CHAMBLEE LAKE SHALL INCLUDE A PROMINENT ENTRY FEATURE AT THE PRIMARY ENTRANCES ON CHAMBLEE ROAD.

18. AT LEAST ONE STORMWATER CONTROL POND SHALL CONTAIN A FOUNTAIN. AT LEAST SEVENTY-FIVE PERCENT (75%) OF ANY REQUIRED PLANTS IN THE STORMWATER CONTROL MEASURE PONDS, EXCLUDING GRASSES, SHALL BE POLLINATOR PLANTS SUCH AS NATIVE MILKWEEDS AND OTHER NECTAR-RICH FLOWERS.

19. IF A BUS PICKUP LOCATION IS APPROVED BY WAKE COUNTY PUBLIC SCHOOLS IN THE NEIGHBORHOOD, ONE BUST STOP AREA, INCLUDING A SHELTER, A BENCH, A TRASH CAN, AND AT LEAST 5 BICYCLE SPACES SHALL BE PROVIDED WITH THE SECOND PHASE OF DEVELOPMENT.

20. A MINIMUM OF FOUR (4) PET WASTE STATIONS SHALL BE PROVIDED ALONG THE SITE'S SIDEWALKS, PATHS, OR TRAILS.

21. DUE TO EXISTING FEATURES WHICH PREVENT ADDITIONAL ROAD CONNECTIVITY, A MAXIMUM BLOCK LENGTH OF 950 LF SHALL APPLY TO STREET A, STREET B, AND STREET H.

22. IN ORDER TO FURTHER ACTIVATE THE EXISTING POND, A FISHING DOCK WILL BE PROVIDED, ACCESSIBLE FROM THE PEDESTRIAN TRAIL SURROUNDING CHAMBLEE MILL POND. THE EXACT LOCATION OF THIS FISHING DOCK WILL BE PROVIDED IN THE CONSTRUCTION DRAWINGS, PENDING FURTHER COORDINATION WITH ENVIRONMENTAL AGENCIES.

23. ALL FRONT-LOADED SINGLE-FAMILY ATTACHED UNITS IN THE DEVELOPMENT (12 UNITS, 10% OF ALL SINGLE-FAMILY ATTACHED UNITS) SHALL BE DEED-RESTRICTED AFFORDABLE HOUSING SINGLE-FAMILY MEDIAN-INCOME OWNERSHIP UNITS (THE "AFFORDABLE UNITS"). THE AFFORDABLE UNITS SHALL BE SOLD TO AND OCCUPIED BY LOW OR MEDIAN-INCOME HOUSEHOLDS EARNING NO MORE THAN 80% OF THE AREA MEDIAN INCOME, FOR A PERIOD OF AT LEAST SEVEN (7) YEARS. A RESTRICTIVE COVENANT MEMORIALIZING THIS ZONING CONDITION SHALL BE RECORDED IN THE WAKE COUNTY REGISTRY AGAINST EACH OF THE AFFORDABLE UNITS UPON THE SALE OF THE AFFORDABLE UNITS, AND A COVENANT BETWEEN THE TOWN AND APPLICANT SHALL BE RECORDED IN THE WAKE COUNTY REGISTRY AGAINST EACH OF THE LOTS FOR THE AFFORDABLE UNITS PRIOR TO THE ISSUANCE OF A BUILDING PERMIT FOR SUCH LOTS. TOWN STAFF WILL ASSIST WITH THE ADMINISTRATIVE DUTIES OF THE AFFORDABLE UNITS DURING THE AFFORDABILITY PERIOD.

24. PRIOR TO ISSUANCE OF THE FINAL PLAT FOR THE PHASE OF DEVELOPMENT THAT COMPLETES THE RIDGE VALLEY WAY EXTENSION, ANY TEMPORARY BARRIERS INSTALLED BY THE BUILDER IMPEDING VEHICULAR CIRCULATION ON RIDGE VALLEY WAY SHALL BE REMOVED.

25. ALONG THE SOUTHERN PROPERTY BOUNDARY WHERE ADJOINING PINS (2714191047, 2714193007, 2714194057, 2714195099, 2714197170) DEVELOPER WILL INSTALL A STORMWATER DRAINAGE SWALE TO COLLECT THE EXISTING REAR LOT RUNOFF AND DIRECT IT THROUGH THE SWALE TO THE PROPOSED SCM MANAGEMENT SYSTEM, WHERE THE STORMWATER RUNOFF WILL BE TREATED ONSITE PRIOR TO DISCHARGE TO THE NEUSE RIPARIAN SYSTEM. THE SWALE SHALL BE DESIGNED TO HANDLE A 25-YEAR INTENSITY STORM.

26. EROSION CONTROL CONTAINMENT DEVICES (SUCH AS RISER BASINS OR SEDIMENT TRAPS) SHALL BE SIZED TO ACCOMMODATE THE 25-YEAR PEAK FLOW OF RUNOFF COMING FROM DISTURBED ACREAGE. DENUDED AREAS, IF LEFT EXPOSED AND NOT BEING WORKED ON SHALL RECEIVE GROUND COVER WITHIN 7 DAYS. ALL DENUDED AREAS SHALL HAVE DOUBLE SILT FENCE INSTALLED WHERE ADJACENT TO RIPARIAN BUFFERS AND OR WETLANDS LOCATED ON THE SUBJECT PROPERTY.

PUBLIC IMPROVMENT QUANTITIES

WATER (LF)	24,425
WATER STUBS	355
SEWER (LF)	12,985
SEWER STUBS	355
STORM (LF)	15,680
REUSE (LF)	4,465
BEDROOM COUNT	1,297
AVERAGE FLOW (GPD)	250

UDO SUPPLEMENTAL USE STANDARDS

SINGLE FAMILY DWELLINGS (ATTACHED)
- A MINIMUM TEN FEET OF SEPARATION SHALL BE MAINTAINED BETWEEN ALL BUILDINGS IN THE DEVELOPMENT.
- BUILDINGS MUST BE SET BACK FROM PRIVATE DRIVES AND PARKING LOTS A MINIMUM OF 10 FEET.
- SINGLE FAMILY ATTACHED DEVELOPMENTS SHALL ABUT A PUBLIC STREET.
- GUEST PARKING SHALL ADHERE TO TABLE 5.8.4.H.

SINGLE FAMILY DWELLINGS (DETACHED)
- EXCEPT FOR SINGLE-FAMILY DETACHED DWELLINGS SUBJECT TO A DEED RESTRICTING LIMITING THE AGE OF RESIDENTS TO 55 YEARS OF AGE OR OLDER, THE FINISHED FLOOR ELEVATION SHALL BE AT LEAST 18 INCHES ABOVE THE FINISHED GRADE ADJACENT TO THE HOME'S PRIMARY ENTRANCE.
- SINGLE-FAMILY DETACHED DWELLINGS SHALL BE CONFIGURED SO THAT EACH SIDE OF THE DWELLING INCLUDES SOME FORM OF INGRESS OR EGRESS CAPABLE OF ALLOWING EMERGENCY EXIT FROM OR ENTRANCE INTO THE DWELLING.

SHEET INDEX

C0.00	PROJECT NOTES
C1.00	EXISTING CONDITIONS
C1.01	DEMOLITION PLAN
C1.02	PHASING PLAN
C2.00	OVERALL SITE PLAN
C2.01-C2.12	SITE PLAN - AREA "A" - "L"
C2.13-C2.24	LOT DIMENSIONS - AREA "A"-"L"
C3.00	OVERALL GRADING AND STORM DRAINAGE PLAN
C3.01-C3.12	GRADING AND STORM DRAINAGE PLAN - AREA "A" - "L"
C4.00	OVERALL UTILITY PLAN
C4.01-C4.12	UTILITY PLAN - AREA "A" - "L"
C5.00-C5.03	PLAN AND PROFILE - STREET "A"
C5.04-C5.06	PLAN AND PROFILE - STREET "B"
C5.07-C5.08	PLAN AND PROFILE - STREET "C"
C5.09	PLAN AND PROFILE - STREET "D"
C5.10-C5.12	PLAN AND PROFILE - STREET "E"
C5.13	PLAN AND PROFILE - STREET "F"
C5.14	PLAN AND PROFILE - STREET "G"
C5.15-C5.17	PLAN AND PROFILE - STREET "H"
C5.18	PLAN AND PROFILE - STREET "I" AND "J"
C5.19	PLAN AND PROFILE - STREET "K"
C5.20	PLAN AND PROFILE - STREET "L"
C5.21	PLAN AND PROFILE - STREET "M"
C5.22	PLAN AND PROFILE - STREET "N"
C5.23	PLAN AND PROFILE - ALLEY "1"
C5.24	PLAN AND PROFILE - ALLEY "1A" AND "1B"
C5.25-C5.26	PLAN AND PROFILE - ALLEY "2"
C5.27	PLAN AND PROFILE - ALLEY "2A" AND "3"
C5.28	PLAN AND PROFILE - ALLEY "3"
C5.29	PLAN AND PROFILE - ALLEY "3A" AND "4"
C5.30	PLAN AND PROFILE - ALLEY "4" AND "4A"
C5.31	PLAN AND PROFILE - ALLEY "5"
C5.32	PLAN AND PROFILE - ALLEY "5A" AND "5B"
C5.33	PLAN AND PROFILE - ALLEY "6"
C5.34	PLAN AND PROFILE - ALLEY "7"
C5.35	PLAN AND PROFILE - ALLEY "8" AND "8A"
C5.36	PLAN AND PROFILE - ALLEY "9" AND "10"
C5.37	PLAN AND PROFILE - ALLEY "11"
C5.38	PLAN AND PROFILE - ALLEY "12"
C5.39-C5.46	PERRY CURTIS WATERLINE
C5.47-C5.55	TRAIL 1-9
C5.46	CHAMBLEE WATERLINE
C8.00-C8.02	SITE DETAILS
C8.03-C8.05	WATER DETAILS
C8.06	STORM DRAINAGE DETAILS
C8.07	SANITARY SEWER DETAILS
C8.08	LANDSCAPE DETAILS
C9.A0	STORMWATER CONTROL MEASURE "A" PLAN VIEW
C9.A1	STORMWATER CONTROL MEASURE "A" DETAILS
C9.A2	STORMWATER CONTROL MEASURE "A" LANDSCAPE PLAN
C9.B0	STORMWATER CONTROL MEASURE "B" PLAN VIEW
C9.B1	STORMWATER CONTROL MEASURE "B" DETAILS
C9.B2	STORMWATER CONTROL MEASURE "B" LANDSCAPE PLAN
C9.C0	STORMWATER CONTROL MEASURE "C" PLAN VIEW
C9.C1	STORMWATER CONTROL MEASURE "C" DETAILS
C9.C2	STORMWATER CONTROL MEASURE "C" LANDSCAPE PLAN
C9.D0	STORMWATER CONTROL MEASURE "E" PLAN VIEW
C9.D1	STORMWATER CONTROL MEASURE "E" DETAILS
C9.D2	STORMWATER CONTROL MEASURE "E" LANDSCAPE PLAN
C9.E0	STORMWATER CONTROL MEASURE "F" PLAN VIEW
C9.E1	STORMWATER CONTROL MEASURE "F" DETAILS
C9.E2	STORMWATER CONTROL MEASURE "F" LANDSCAPE PLAN
C9.F0	STORMWATER CONTROL MEASURE "G" PLAN VIEW
C9.F1	STORMWATER CONTROL MEASURE "G" DETAILS
C9.F2	STORMWATER CONTROL MEASURE "G" LANDSCAPE PLAN
C9.G0	STORMWATER CONTROL MEASURE "H" PLAN VIEW
C9.G1	STORMWATER CONTROL MEASURE "H" DETAILS
C9.G2	STORMWATER CONTROL MEASURE "H" LANDSCAPE PLAN
C9.H0	STORMWATER CONTROL MEASURE "I" PLAN VIEW
C9.H1	STORMWATER CONTROL MEASURE "I" DETAILS
C9.H2	STORMWATER CONTROL MEASURE "I" LANDSCAPE VIEW
C9.I0	STORMWATER CONTROL MEASURE "J" PLAN VIEW
C9.I1	STORMWATER CONTROL MEASURE "J" DETAILS
C9.I2	STORMWATER CONTROL MEASURE "J" LANDSCAPE VIEW
L5.00	OVERALL LANDSCAPE PLAN
L5.01-L5.12	LANDSCAPE PLAN "A" - "L"
C10.01-C10.72	CHAMBLEE ROAD IMPROVEMENTS UNDER SEPARATE COVER

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 # _____

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CONTACT

RYAN BARKER
barker@mcadamsco.com
PHONE: 276. 333. 3293

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
CONTACT: JON HOLTVEDT
PHONE: 984-247-9614
EMAIL: JHoltvedt@drhorton.com

D·R·HORTON America's Builder

PROJECT DIRECTORY

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER RYAN K. BARKER

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

CONSTRUCTION DRAWINGS FOR:

CHAMBLEE LAKE
ZEBULON, NC, 27597
PROJECT NUMBER: DRH-22004

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-CS1.dwg, 7/23/2024 3:19:49 PM, Zach Lee

SITE PLAN NOTES

1. NON-ALLEY LOADED DRIVEWAYS MAY INTERSECT A STREET NO CLOSER THAN 5 FEET FROM THE INTERSECTION OF TWO STREET RIGHT-OF-WAYS. THE MINIMUM CORNER CLEARANCE FROM CURB LINE OR EDGE OF PAVEMENT OF INTERSECTING STREETS SHALL BE AT LEAST 3 FEET FROM THE POINT OF TANGENCY OF THE RADIUS OF CURVATURE, OR 5 FEET FROM THE INTERSECTION OF RIGHT-OF-WAY LINES, WHICH EVER IS GREATER. THE RADIUS OF THE DRIVEWAY SHALL NOT ENCROACH ON THE MINIMUM CORNER CLEARANCE.
2. RIGHT-OF-WAY SHALL BE CLEARED AND GRUBBED WITHIN 50' OF ALL MINOR RESIDENTIAL, RESIDENTIAL, AND RESIDENTIAL COLLECTOR INTERSECTIONS. THE FULL LENGTH OF THE RIGHT-OF-WAY SHALL BE CLEARED AND GRADED ALONG ALL MAJOR, MINOR, & SENSITIVE AREA THOROUGHFARES.
3. WITHIN THE AREA DEFINED SIGHT TRIANGLES SHOWN ON THESE PLANS, THERE SHALL BE NO SIGHT OBSTRUCTING OR PARTLY OBSTRUCTING WALL, FENCE, SIGN, FOLIAGE BERMS, OR PARKED VEHICLES BETWEEN THE HEIGHTS OF 24 INCHES AND 8 FEET ABOVE THE CURB LINE ELEVATION OR THE NEAREST TRAVEL WAY IF NO CURB LINE EXISTS.
4. ALL CONSTRUCTION SHALL CONFORM TO THE LATEST TOWN OF ZEBULON AND/OR NCDOT STANDARDS AND SPECIFICATIONS AS APPLICABLE.
5. ALL DIMENSIONS SHOWN ON SITE PLAN ARE MEASURED TO BACK OF CURB UNLESS OTHERWISE NOTED.
6. 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.
7. 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.
8. 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.
9. 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.
10. 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.).
11. PRIOR TO BEGINNING CONSTRUCTION BEYOND EROSION CONTROL MEASURES, THE GENERAL CONTRACTOR SHALL SCHEDULE AND ATTEND A PRE-CONSTRUCTION CONFERENCE WITH THE TOWN OF ZEBULON ENGINEERING INSPECTIONS DEPARTMENT 919-560-4326 (OPTION 1), THE ENGINEER AND A REPRESENTATIVE OF THE OWNER. THE PURPOSE OF THIS MEETING IS TO REVIEW THE SPECIFIC COMPONENTS OF THE PLAN AND OPERATION OF THE FACILITIES DURING CONSTRUCTION.
12. 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.
13. ACCESSIBLE RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TOWN OF ZEBULON STANDARD DETAILS.
14. 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).
15. 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.
16. 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.
17. ALL SIGNAGE ASSOCIATED WITH THE PUBLIC STREET SYSTEM SHALL ADHERE TO MUTCD STANDARDS AND SPECIFICATIONS.
18. THIS DEVELOPMENT WILL BE FULLY COMPLIANT WITH THE NORTH CAROLINA ACCESSIBILITY CODES (ANSI 117.1 -2009 AND CHAPTER 11 OF THE NCBC) UNLESS AND EXCEPT IN AREAS WHERE AN APPROVED STATEMENT FROM A SITE ENGINEER, SURVEYOR OR ARCHITECT VERIFIES THAT SITE CONDITIONS EXIST WHERE THE TOPOGRAPHY OF THE SITE IS EXTREME AND ONLY ALTERNATE METHODS OF COMPLIANCE ARE POSSIBLE. AN AS-BUILT SURVEY OF THE SITE, PERFORMED BY THE DESIGN PROFESSIONAL OR DESIGNEE, MUST BE SUBMITTED TO THE BUILDING INSPECTIONS DEPARTMENT CERTIFYING THAT ALL SITE ACCESSIBILITY CODE REQUIREMENTS SUCH AS CURB CUTS, RAMP SLOPES, SIDEWALK SLOPES AND WIDTHS, AND CROSS SLOPES MEET THE REQUIREMENTS OF THE NC ACCESSIBILITY CODE PRIOR TO CO ISSUANCE.

SIGNAGE CRITERIA NOTES

1. ALL SIGNAGE INSTALLED SHALL CONFORM TO STANDARDS SET FOR BY THE LATEST PUBLISHED EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION (NCDOT) STANDARD CONSTRUCTION DRAWINGS, AND TOWN OF ZEBULON STANDARDS.
2. SIGNAGE MATERIAL SHALL CONFORM TO MUTCD COLOR AND REFLECTIVITY STANDARDS AND SHALL BE HIGH INTENSITY PRISMATIC GRADE REFLECTIVE MATERIAL. STOP SIGNS SHALL BE ON A 30-INCH BY 30-INCH OCTAGONAL STOP SIGN BLANK.
3. ALL SIGNS, EXCEPT STREET MARKERS, SHALL BE MOUNTED IN A MANNER THAT THE BOTTOM OF THE SIGN IS A MINIMUM OF SEVEN FEET (7 FT) ABOVE GROUND LEVEL. STREET MARKER SIGNS SHALL BE MOUNTED OVER THE TOP OF THE STOP SIGNS ACCORDING TO THE STREET MARKER STANDARDS IN NUMBER 7 BELOW.
4. GROUND MOUNTED SIGN POSTS USED TO INSTALL STREET SIGNAGE SHALL BE 12 FT. LONG AND CONSTRUCTED OF 14- GAUGE GALVANIZED STEEL "U" CHANNEL POSTS OR TWO-INCH (2 IN.) GALVANIZED SQUARE STEEL TUBING. ALL "U" CHANNEL AND SQUARE SIGN POSTS SHALL HAVE 3/8-INCH HOLES DOWN THE CENTER OF THE POST DRILLED AT ONEINCH (1 IN.) SPACING FOR THE ENTIRE LENGTH OF THE POST. ALL NEW SIGN POSTS WITHIN DESIGN DISTRICTS SHALL COMPLY WITH THE STANDARDS FOUND IN THE ZEBULON DESIGN MANUAL, RATHER THAN THIS STANDARD.
5. GROUND MOUNTED SIGN POSTS SHALL BE DRIVEN TO A MINIMUM OF 30 INCHES BELOW GROUND LEVEL. ALL POSTS SHALL BE PLUMBED AND LEVELED AS THE POST IS INSTALLED. POSTS SHALL NOT BE SET IN CONCRETE.
6. IF DECORATIVE (NON-STANDARD) ITEMS (POLES, SIGNS, ETC) ARE INSTALLED, IT WILL BE THE RESPONSIBILITY OF THE DEVELOPER TO FABRICATE, INSTALL, AND MAINTAIN THE FIXTURES THROUGH A LICENSE AGREEMENT WITH THE TOWN OF ZEBULON.
7. ALL STREET MARKERS (STREET NAME SIGNS) SHALL BE DESIGNED AND INSTALLED AS FOLLOWS:
   a. STREET MARKERS SHALL BE INSTALLED AT ALL STREET INTERSECTIONS AND WILL INCLUDE THE BLOCK NUMBER FOR EACH STREET.
   b. ALL SIGNAGE PROVIDED AND INSTALLED SHALL BE CONSTRUCTED FROM A 0.080 GAUGE ANODIZED ALUMINUM SIGN BLANK AND CONFORM TO STANDARD MUTCD SIGN SIZES. TOWN OF ZEBULON REFERENCE GUIDE FOR DEVELOPMENT 2020-07-31 PAGE 235
   c. STREET MARKERS SHALL BE DESIGNED IN A STACKED CONFIGURATION AND LOCATED IN A MANNER FOR VISIBILITY FROM ALL DIRECTIONS OF TRAVEL.
   d. STREET NAMES SHALL BE DISPLAYED USING REFLECTIVE WHITE LETTERS ON A REFLECTIVE GREEN BACKGROUND. THE STREET NAME MUST BE DISPLAYED USING A COMBINATION OF 6-INCH UPPER CASE LETTERS AND 4.5- INCH LOWER CASE LETTERS. BLOCK NUMBERS AND ABBREVIATIONS (RD., DR., ST., ETC.) SHALL UTILIZE 3-INCH LETTERS/NUMBERS. ON PRIVATE STREETS, A NOTATION OF "PRIVATE STREET" IN 3-INCH BLACK LETTERS ON A WHITE BACKGROUND MUST BE ADDED ON THE EDGE OF THE SIGN CLOSEST TO THE ROAD. SIGNS MUST NOT HAVE BORDERS.
   e. THE LAYOUT OF THE STREET MARKERS SHALL CONFORM TO THE TOWN OF ZEBULON STANDARD DRAWINGS. THE STREET NAME SHALL APPEAR CENTERED VERTICALLY ON THE LEFT OF THE STREET MARKER. THE ABBREVIATION SHALL APPEAR TO THE TOP RIGHT OF THE STREET MARKER. THE BLOCK NUMBER SHALL APPEAR TO THE BOTTOM RIGHT OF THE STREET MARKER. EACH ITEM SHOULD BE SPACED TO BALANCE THE APPEARANCE OF THE STREET MARKER.
   f. THE LETTERS SHALL BE DESIGNED USING THE STANDARD HIGHWAY ALPHABET OF FHWA, SERIES B_SAE
   g. TWO SIGN BLANKS ARE REQUIRED FOR EACH STREET MARKER ASSEMBLY. EACH BLANK SHALL HAVE A STREET NAME ON BOTH SIDES. THE SIGN BLANKS SHALL BE INSTALLED IN A STACKED MANNER USING COMMERCIALLY AVAILABLE ALUMINUM MOUNTING HARDWARE. EACH ASSEMBLY SHALL CONTAIN ONE 12 IN. LONG CROSS MOUNT FOR FLAT BLADE STREET SIGNS AND ONE 12 IN. LONG "U" CHANNEL OR SQUARE POST BRACKET FOR FLAT BLADE STREET NAME SIGNS. STREET MARKERS FOR DIFFERENT STREETS SHALL BE PLACED AT RIGHT ANGLES (SEE TOWN OF ZEBULON STANDARD DRAWINGS FOR STREET MARKER SIGN AND STREET MARKER ASSEMBLY CONSTRUCTION). THE STREET MARKER ASSEMBLY SHALL BE MOUNTED TO THE "U" CHANNEL OR SQUARE POST OVER THE TOP OF THE STOP SIGNS. IF A STOP SIGN IS NOT PRESENT, OR THE STOP SIGN IS NOT AT AN APPROPRIATE LOCATION FOR STREET MARKERS, STREET MARKERS SHALL BE MOUNTED ON A SEPARATE "U" CHANNEL OR SQUARE POST AT THE APPROPRIATE LOCATION. THE STREET SIGN BRACKETS MUST BE 12 INCHES LONG
   h. THE LENGTH OF THE STREET MARKER IS VARIABLE DEPENDING OF THE LENGTH OF THE STREET NAME, BUT SHOULD CONFORM TO THE TABLE. THE HEIGHT OF THE STREET MARKER SHOULD BE 9-INCHES.

STREET NAME – NUMBER OF LETTERS *	STREET MARKER BLANK LENGTH
3 – 5 LETTERS	24-INCHES
6 – 7 LETTERS	30-INCHES
8 – 9 LETTERS	36-INCHES
ABOVE 9 LETTERS	36-INCHES PLUS 6-INCHES FOR EVERY 2 ADDITIONAL LETTERS

*NUMBER OF LETTERS REFERS TO THE NAME OF THE STREET, NOT THE ABBREVIATION FOR ROAD, DRIVE, STREET, ETC.

8. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC MATERIAL AND ADHERE TO SECTION 1200 OF THE NCDOT ROADWAY STANDARD DRAWINGS, LATEST EDITION.

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 ZEBULON 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. PRIOR TO BEGINNING CONSTRUCTION, THE GENERAL CONTRACTOR SHALL SCHEDULE AND ATTEND A PRE-CONSTRUCTION CONFERENCE WITH THE ZEBULON COUNTY STORMWATER AND EROSION CONTROL DEPARTMENT, THE ENGINEER AND A REPRESENTATIVE OF THE OWNER.
6. 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.
7. 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.
8. 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 HIGH-PERFORMANCE POLYPROPYLENE PIPE (HP) (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 ZEBULON 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.
13. "KNOCK-OUT" BOXES OR HDPE PIPE SHALL NOT BE ALLOWED WITHIN PUBLIC RIGHT-OF-WAYS UNLESS APPROVED IN WRITING BY TOWN OF ZEBULON STORMWATER DEPARTMENT.
14. ANY HEADWALLS OR ENDWALLS IN EXCESS OF 30" HIGH MUST HAVE A FENCE INSTALLED ALONG THE TOP OF THE WALL.
15. CONTRACTOR MUST FOLLOW DRAINAGE PATTERNS AND INSTALL SPILL CURB WHERE APPROPRIATE.
16. PER THE LETTER TO THE INDUSTRY FROM TOWN OF ZEBULON PUBLIC WORKS, DATED 11/26/12; ALL PERMITTED STORM DRAINAGE PIPE SHALL BE CCTV INSPECTED IN ACCORDANCE WITH THE NATIONAL ASSOCIATION OF SEWER SERVICE COMPANIES, INC. (NASSCO) PIPELINE ASSESSMENT CERTIFICATION PROGRAM (PACP). REFER TO THE FOLLOWING SITES FOR MORE INFORMATION ON CCTV REQUIREMENTS AND SPECIFICATIONS: http://nassco.org/training edu/te pacp.html AND http://nassco.org/training edu/te macp.html. A DVD OF THIS INSPECTION SHALL BE GIVEN TO THE DESIGN ENGINEER OF McADAMS COMPANY FOR REVIEW AND CERTIFICATION TO THE TOWN. IF CONSTRUCTION IS DEEMED UNSATISFACTORY, THE AREA(S) IN QUESTION SHALL BE REMOVED, REPLACED AND RE-CAMERA INSPECTED AT THE CONTRACTOR'S EXPENSE, UNTIL CONSTRUCTION IS ACCEPTABLE AND ABLE TO BE CERTIFIED. ALL REPAIRS/REMEDIATION SHALL BE IN ACCORDANCE WITH THE ACPA "POST INSTALLATION EVALUATION AND REPAIR OF INSTALLED REINFORCED CONCRETE PIPE". CCTV OF STORM DRAINAGE SYSTEMS WILL BE CONDUCTED AFTER SUBBASE STONE HAS BEEN COMPACTED AND SETUP, JUST PRIOR TO PLACEMENT OF FIRST LIFT OF PAVEMENT SURFACE, BUT NOT LESS THAN 30 DAYS AFTER INSTALLATION AND BACKFILL TO ALLOW FOR CONSOLIDATION AND SETTLEMENT OF BACKFILL MATERIAL. CCTV OF STORM DRAINAGE SYSTEMS WILL BE REQUIRED A SECOND TIME, JUST PRIOR TO TOWN ACCEPTANCE OF INFRASTRUCTURE, IF MORE THAN ONE YEAR HAS ELAPSED BETWEEN PLACEMENT OF FIRST LIFT AND FINAL LIFT OF PAVEMENT SURFACE.
17. CONTRACTOR ABLE TO USE ANY EQUIVALENT STORM DRAINAGE MATERIALS IN AS LONG AS THEY ARE APPROVED BY ZEBULON AND CITY OF RALEIGH

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 PART OF ANY RETAINING WALL THAT EXTENDS INTO THE RIGHT-OF-WAY WILL REQUIRE AN ENCROACHMENT AGREEMENT. ENCROACHMENT AGREEMENTS FOR RETAINING WALLS SHALL BE APPROVED PRIOR TO CONSTRUCTION DRAWING APPROVAL.
7. ANY TIEBACK SYSTEMS FOR THE RETAINING WALLS SHALL NOT BE ALLOWED WITHIN PUBLIC RIGHT-OF-WAY.
8. STORMWATER RUN-OFF SHALL BE DIRECTED AWAY FROM RETAINING WALLS. ANY RUN-OFF FLOWING TO AND OVER A RETAINING WALL SHALL BE KEPT TO AN ABSOLUTE MINIMUM AND BROUGHT TO THE ATTENTION OF THE WALL DESIGNER PRIOR TO THEIR DESIGN.

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

ADDITIONAL UTILITY NOTES

1. ALL WATER MAINS, SERVICES AND FIRE SERVICES GREATER THAN 2" DIAMETER ARE TO BE DUCTILE IRON PIPE. 2" & SMALLER DOMESTIC SERVICES MUST BE TYPE K SOFT COPPER (WITHOUT FITTINGS) TO THE WATER METER.
2. ALL SEWER MAINS SHALL BE EITHER PVC OR DUCTILE IRON PIPE AS SHOWN ON THE PLANS. ALL PIPE MATERIAL SHALL MEET CITY OF RALEIGH STANDARDS AND SPECIFICATIONS AS DEFINED IN THE LATEST ISSUE OF THE PUBLIC UTILITIES HANDBOOK AND/OR UNIFIED DEVELOPMENT ORDINANCE (UDO).
3. ALL FIRE HYDRANTS ALONG PUBLIC R/W LINES SHALL HAVE A 5'Wx5'L CITY OF RALEIGH WATERLINE EASEMENT ONTO ADJACENT PROPERTY.
4. ALL SANITARY SEWER INTERCEPTOR LINES (12" AND LARGER), AS WELL AS MANHOLES AND FITTINGS ASSOCIATED WITH THE INTERCEPTOR LINE, SHALL BE INTERNALLY LINED WITH PROTECTO 401 OR APPROVED EQUAL TO PREVENT HYDROGEN SULFIDE CORROSION. SEE THE CURRENT CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT HANDBOOK FOR APPROVED COATINGS AND APPLICATION METHODS.
5. IN ACCORDANCE WITH GENERAL STATUTE 87-121(G), ALL UNDERGROUND UTILITIES INSTALLED AFTER OCTOBER 1, 2014 SHALL BE ELECTRONICALLY LOCATABLE. CONTRACTOR SHALL COORDINATE DIRECTLY WITH THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT FOR DETAILS AND SPECIFICATIONS FOR MEETING THESE REQUIREMENTS.
6. EXISTING UTILITIES SHOWN ARE BASED ON FIELD SURVEYS AND THE BEST AVAILABLE RECORD DRAWINGS. THE CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO BEGINNING CONSTRUCTION. ANY DISCREPANCIES BETWEEN ACTUAL FIELD CONDITIONS AND THE PLANS SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
7. ALL WATER AND SEWER MAINS WITHIN PUBLIC EASEMENTS OR RIGHTS-OF-WAY TO BE OWNED, OPERATED, AND MAINTAINED BY THE CITY OF RALEIGH.
8. ALL WATER AND SEWER MAINS NOT WITHIN PUBLIC EASEMENTS OR RIGHTS-OF-WAY TO BE PRIVATELY OWNED, OPERATED, AND MAINTAINED BY THE PROPERTY OWNER.
9. WHERE SANITARY SERVICES ARE SERVING A BUILDING INSTALLED ON A FLOOR WITH A FINISHED FLOOR ELEVATION BELOW THE ELEVATION OF THE MANHOLE COVER OF THE NEXT UPSTREAM MANHOLE IN THE PUBLIC SEWER, SUCH FIXTURES SHALL BE PROTECTED BY A BACKWATER VALVE INSTALLED IN THE SERVICE LINE. SANITARY SERVICES SERVING A BUILDING WITH A FINISHED FLOOR ELEVATION ABOVE THE ELEVATION OF THE MANHOLE COVER OF THE NEXT UPSTREAM MANHOLE IN THE PUBLIC SEWER SHALL NOT DISCHARGE THROUGH A BACKWATER VALVE.
10. 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.
11. ALL UTILITY SLEEVES SHALL BE SCHEDULE 40 PVC AND INSTALLED WITH 2' MINIMUM COVER. BOTH ENDS SHALL BE CAPPED AND MARKED.

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

MCADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER RYAN K. BARKER
PRELIMINARY - NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-N1
CHECKED BY	RKB
DRAWN BY	
SCALE	NTS
DATE	05. 24. 2024

SHEET

PROJECT NOTES

C0.00

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-N1.dwg, 7/22/2024 5:17:53 PM, Zach Lee

1 CHAMBLEE, CAROLYN P PIN: 2715-01-9636 D.B. 2578, PG. E

2 JUAREZ, PEDRO CARREON JUAREZ, MARIA DEL PIN: 2715-11-6216

3 DOZIER, CLARA RHODES PIN: 2715-11-6128

4 WILLIAMS, GEORGETTE PIN: 2715-21-2207

5 WALL, JODY C PIN: 2715-21-2128 D.B. 18383, PG. 905

6 TELLEZ MAGANA, MARIA TERESA PIN: 2715-21-3285 D.B. 18921, PG. 2130

7 ROBERTSON, ROBERT J PIN: 2715-21-4284 D.B. 12371, PG. 190

8 POOLE, JOSHUA PIN: 2715-21-5283 D.B. 17214, PG. 2421

9 KHALIOUI, YOUNES PIN: 2715-21-7214 D.B. 14292, PG. 2155

10 HAUGH, PAUL G HAUGH, HEATHER W PIN: 2715-21-9341 D.B. 19172, PG. 1463

11 DAN RYAN BUILDERS - NORTH CAROLINA LLC PIN: 2715-41-0167 D.B. 17910, PG. 548

12 MCNABB, WILLIAM R PIN: 2714-38-3837 D.B. 8098, PG. 206

13 KILLETTE, PHILLIP KILLETTE, LINDA W PIN: 2714-29-9043 D.B. 8407, PG. 888

14 KILLETTE, PHILLIP KILLETTE, LINDA W PIN: 2714-28-6726 D.B. 8407, PG. 876

15 CRENSHAW, BARRY A PIN: 2714-28-2739 D.B. 8434, PG. 1792

16 HOAD, RYAN PATRICK HOAD, JAMIE LEIGH PIN: 2714-18-9947 D.B. 14710, PG. 1017

17 SMITH, KENNETH R SMITH, TONYA K PIN: 2714-19-7170 D.B. 9312, PG. 1963

18 BRODEUR, MADELINE PIN: 2714-19-5099 D.B. 11351, PG. 463

19 HINNANT, HULEY JR HINNANT, GERALDINE PIN: 2714-19-4057 D.B. 9115, PG. 106

20 FOUNTAIN, JAMES I III FOUNTAIN, LAURA E PIN: 2714-19-3007 D.B. 15985, PG. 1274

21 KIRIAZES, KENNETH E KIRIAZES, MARIE A PIN: 2714-19-1047 D.B. 9404, PG. 2496

22 SARNA, KERRY RICHARD PIN: 2714-09-8086 D.B. 12679, PG. 1130

23 GONZALEZ, ALFONSO GONZALES PIN: 2714-09-7005 D.B. 17117, PG. 139

24 NUNEZ, RICARDO RODRIGUEZ, ANGELICA MARIA PIN: 2714-08-5959

25 FOCA, KIMBERLY PIN: 2714-09-3190 D.B. 17931, PG. 15

26 OLIVERA, RAMON HERNANDEZ PIN: 2714-09-1017 D.B. 9063, PG. 640

27 HINTON, REBECCA H PIN: 2704-99-5359 D.B. 2244, PG. 189

28 HINTON, REBECCA H PIN: 2704-99-5359 D.B. 2244, PG. 189

29 PATE FAMILY I LTD PTNRP PIN: 2705-91-2377 D.B. 13664, PG. 2288

LEGEND(UNLESS OTHERWISE NOTED)

- AIR CONDITIONING
- BOLLARD
- CALCULATED POINT
- CLEAN OUT
- CONCRETE MONUMENT
- ELECTRIC METER
- EXISTING IRON PIPE
- FIBER OPTIC MARKER
- GUY WIRE
- IRON PIPE SET
- LIGHT POLE
- SATELLITE DISH
- TELEPHONE PEDESTAL
- UTILITY POLE
- WELL
- ADJOINER
- BOUNDARY
- BUFFER
- CENTERLINE
- CHAIN LINK FENCE
- OVERHEAD UTILITY
- POWER EASEMENT
- RIGHT OF WAY
- STORM DRAINAGE

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-OAG1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=150'
DATE	05. 24. 2024

SHEET

EXISTING CONDITIONS

C1.00

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-C1.dwg, 7/22/2024 5:17:59 PM, Zach Lee

1 CHAMBLEE, CAROLYN P PIN: 2715-01-9636 D.B. 2578, PG. E

2 JUAREZ, PEDRO CARREON JUAREZ, MARIA DEL PIN: 2715-11-6216

3 DOZIER, CLARA RHODES PIN: 2715-11-6128

4 WILLIAMS, GEORGETTE PIN: 2715-21-2207

5 WALL, JODY C PIN: 2715-21-2128 D.B. 18383, PG. 905

6 TELLEZ MAGANA, MARIA TERESA PIN: 2715-21-3285 D.B. 18921, PG. 2130

7 ROBERTSON, ROBERT J PIN: 2715-21-4284 D.B. 12371, PG. 190

8 POOLE, JOSHUA PIN: 2715-21-5283 D.B. 17214, PG. 2421

9 KHALIOUI, YOUNES PIN: 2715-21-7214 D.B. 14292, PG. 2155

10 HAUGH, PAUL G HAUGH, HEATHER W PIN: 2715-21-9341 D.B. 19172, PG. 1463

11 DAN RYAN BUILDERS – NORTH CAROLINA LLC PIN: 2715-41-0167 D.B. 17910, PG. 548

12 MCNABB, WILLIAM R PIN: 2714-38-3837 D.B. 8098, PG. 206

13 KILLETTE, PHILLIP KILLETTE, LINDA W PIN: 2714-29-9043 D.B. 8407, PG. 888

14 KILLETTE, PHILLIP KILLETTE, LINDA W PIN: 2714-28-6726 D.B. 8407, PG. 876

15 CRENSHAW, BARRY A PIN: 2714-28-2739 D.B. 8434, PG. 1792

16 HOAD, RYAN PATRICK HOAD, JAMIE LEIGH PIN: 2714-18-9947 D.B. 14710, PG. 1017

17 SMITH, KENNETH R SMITH, TONYA K PIN: 2714-19-7170 D.B. 9312, PG. 1963

18 BRODEUR, MADELINE PIN: 2714-19-5099 D.B. 11351, PG. 463

19 HINNANT, HULEY JR HINNANT, GERALDINE PIN: 2714-19-4057 D.B. 9115, PG. 106

20 FOUNTAIN, JAMES I III FOUNTAIN, LAURA E PIN: 2714-19-3007 D.B. 15985, PG. 1274

21 KIRIAZES, KENNETH E KIRIAZES, MARIE A PIN: 2714-19-1047 D.B. 9404, PG. 2496

22 SARNA, KERRY RICHARD PIN: 2714-09-8086 D.B. 12679, PG. 1130

23 GONZALEZ, ALFONSO GONZALES PIN: 2714-09-7005 D.B. 17117, PG. 139

24 NUNEZ, RICARDO RODRIGUEZ, ANGELICA MARIA PIN: 2714-08-5959

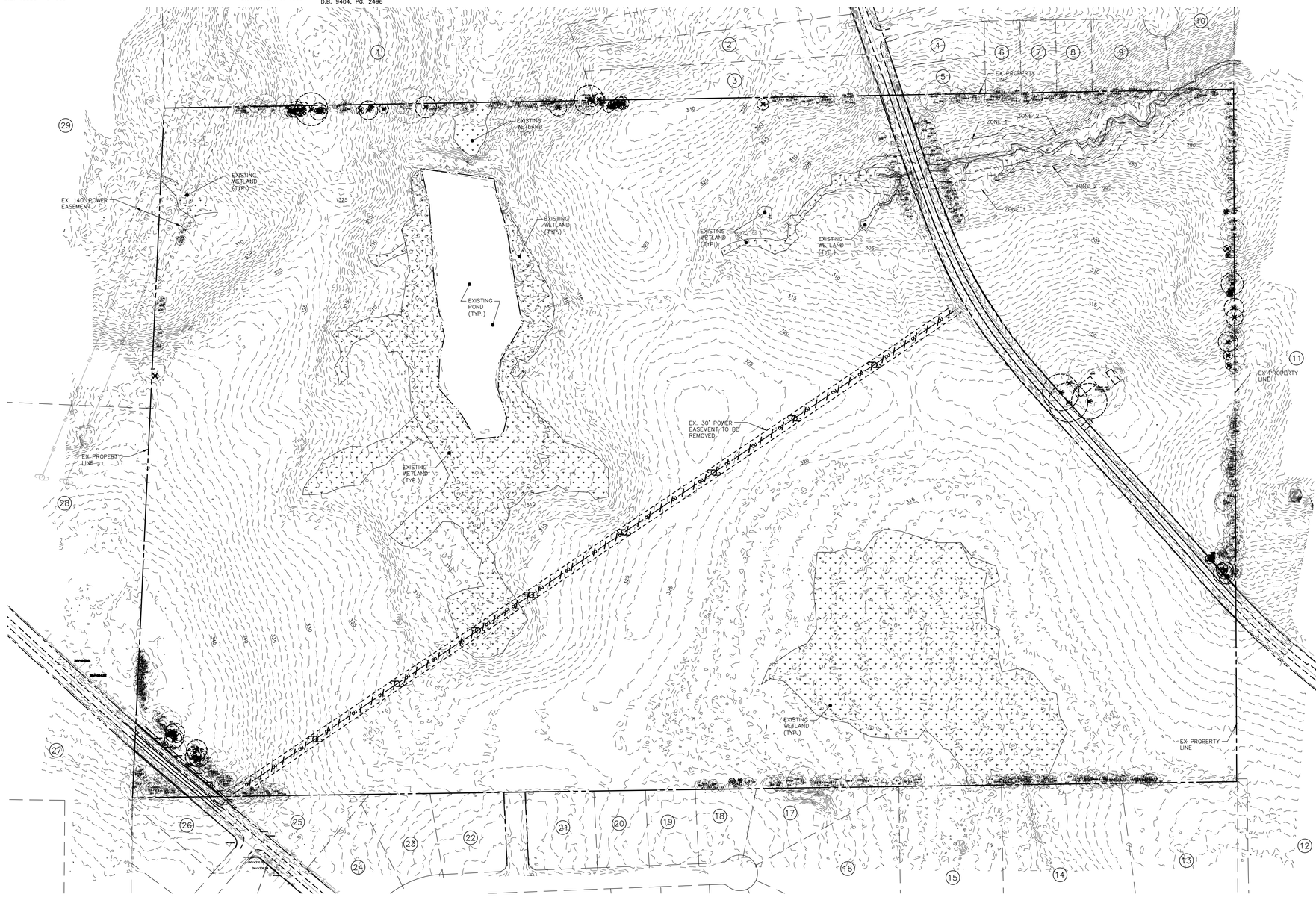
25 FOCA, KIMBERLY PIN: 2714-09-3190 D.B. 17931, PG. 15

26 OLIVERA, RAMON HERNANDEZ PIN: 2714-09-1017 D.B. 9063, PG. 640

27 HINTON, REBECCA H PIN: 2704-99-5359 D.B. 2244, PG. 189

28 HINTON, REBECCA H PIN: 2704-99-5359 D.B. 2244, PG. 189

29 PATE FAMILY I LTD PTNRP PIN: 2705-91-2377 D.B. 13664, PG. 2288



DEMOLITION LEGEND

TREE	TREE OR OTHER VEGETATION TO BE REMOVED
UNDERGROUND UTILITY	UNDERGROUND UTILITY TO BE REMOVED
	AREA TO BE REMOVED (SIDEWALK, CURB AND GUTTER, STRUCTURES, ASPHALT, CONCRETE PAVING, ETC.)

NOTE: SEE PLAN FOR DETAILED DEMOLITION PROCEDURES, SEQUENCING AND SPECIFICATIONS.

GRAPHIC SCALE
0 75 150 300
1 INCH = 150 FT.

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

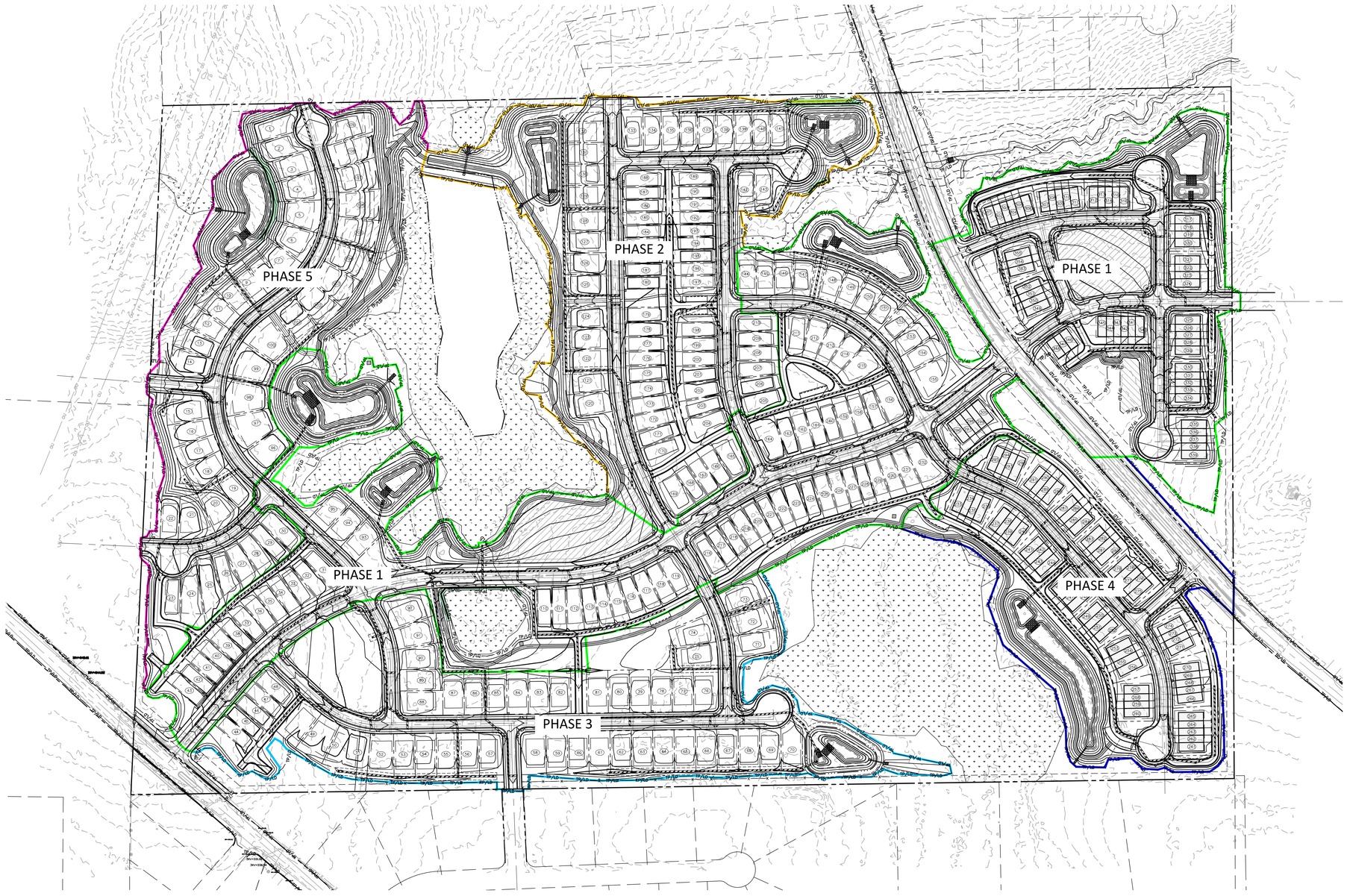
PLAN INFORMATION

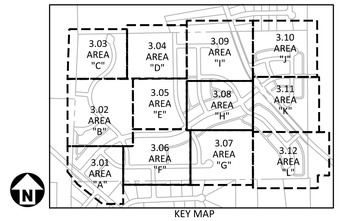
PROJECT NO.	DRH22004
FILENAME	DRH22004-OAG1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=150'
DATE	05. 24. 2024

SHEET

DEMOLITION PLAN
C1.01

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-DM1.dwg, 7/23/2024 5:18:05 PM, Zach Lee





KEY MAP

PHASING LEGEND

- PHASE 1
- PHASE 2
- PHASE 3
- PHASE 4
- PHASE 5

GRAPHIC SCALE

0 75 150 300

1 INCH = 150 FT.

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON
America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER RYAN K. BARKER
NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-OAP1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=150'
DATE	05. 24. 2024

SHEET

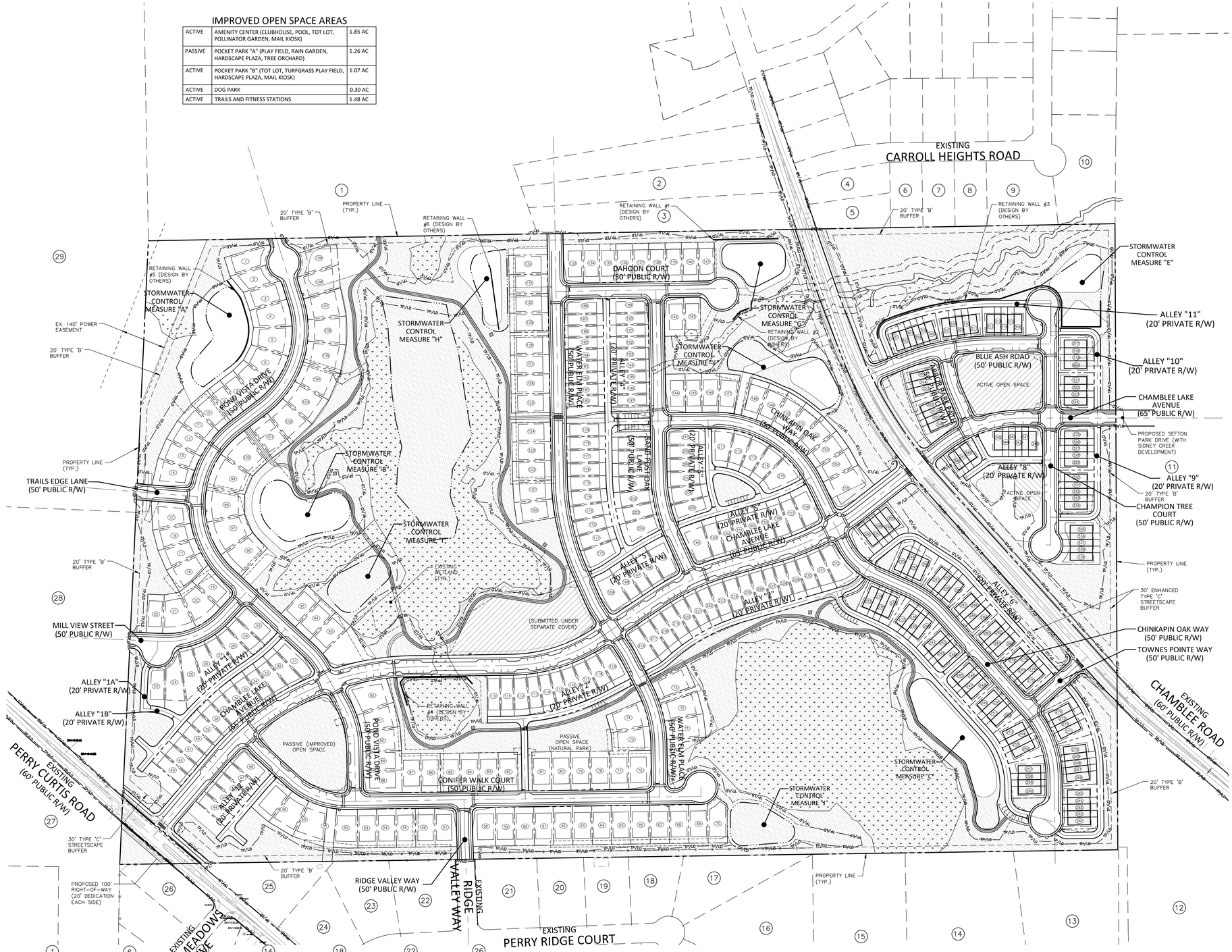
OVERALL PHASING PLAN

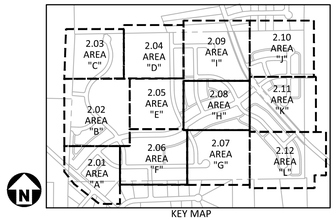
C1.02

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-OAP1.dwg, 7/22/2024 5:18:12 PM, Zach Lee

IMPROVED OPEN SPACE AREAS

ACTIVE	AMENITY CENTER (CLUBHOUSE, POOL, TOT LOT, POLLINATOR GARDEN, MAIL KIOSK)	1.85 AC
PASSIVE	POCKET PARK "A" (PLAY FIELD, RAIN GARDEN, HARDSCAPE PLAZA, TREE ORCHARD)	1.26 AC
ACTIVE	POCKET PARK "B" (TOT LOT, TURFGRASS PLAY FIELD, HARDSCAPE PLAZA, MAIL KIOSK)	1.07 AC
ACTIVE	DOG PARK	0.30 AC
ACTIVE	TRAILS AND FITNESS STATIONS	1.48 AC





SITE LEGEND

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

GENERAL NOTES

1. STREET LIGHTS: RESIDENTIAL FIXTURE TYPE - 16' FIBERGLASS POLE IN BLACK OR GREEN WITH TYPE "A" (ACORN) FIXTURE WITH 9500 LUMENS HIGH PRESSURE SODIUM. NO WOOD OR ALUMINUM POLES WILL BE ALLOWED. INSTALLATION MUST BE COORDINATED WITH DUKE PROGRESS ENERGY AND THE TOWN OF ZEBULON PUBLIC WORKS DEPARTMENT.

2. ALL PLANNED IMPROVEMENTS TO ROADWAYS AND RIGHT-OF-WAY OWNED AND MAINTAINED BY THE NC DEPARTMENT OF TRANSPORTATION (NCDOT), INCLUDING IMPROVEMENTS THAT REQUIRE OFF-SITE PROPERTY ACQUISITION AND/OR EASEMENTS, ARE SUBJECT TO NCDOT APPROVAL DURING SUBSEQUENT PHASES OF DEVELOPMENT. IF ANY IMPROVEMENTS ARE NOT APPROVED BY NCDOT, ALTERNATIVE DESIGNS MAY BE ADMINISTRATIVELY APPROVED BY TOWN STAFF.

NOTE: CHAMBLEE ROAD OFFSITE IMPROVEMENTS SUBMITTED UNDER SEPARATE COVER (SEE OFFSITE IMPROVEMENTS DRAWINGS FOR REFERENCE)

NOTE: PERRY CURTIS ROAD OFFSITE IMPROVEMENTS SUBMITTED UNDER SEPARATE COVER (SEE OFFSITE IMPROVEMENTS DRAWINGS FOR REFERENCE)

GRAPHIC SCALE
0 75 150 300
1 INCH = 150 FT.

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER RYAN K. BARKER
EXPIRATION DATE: 12/31/2024
NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

PLAN INFORMATION

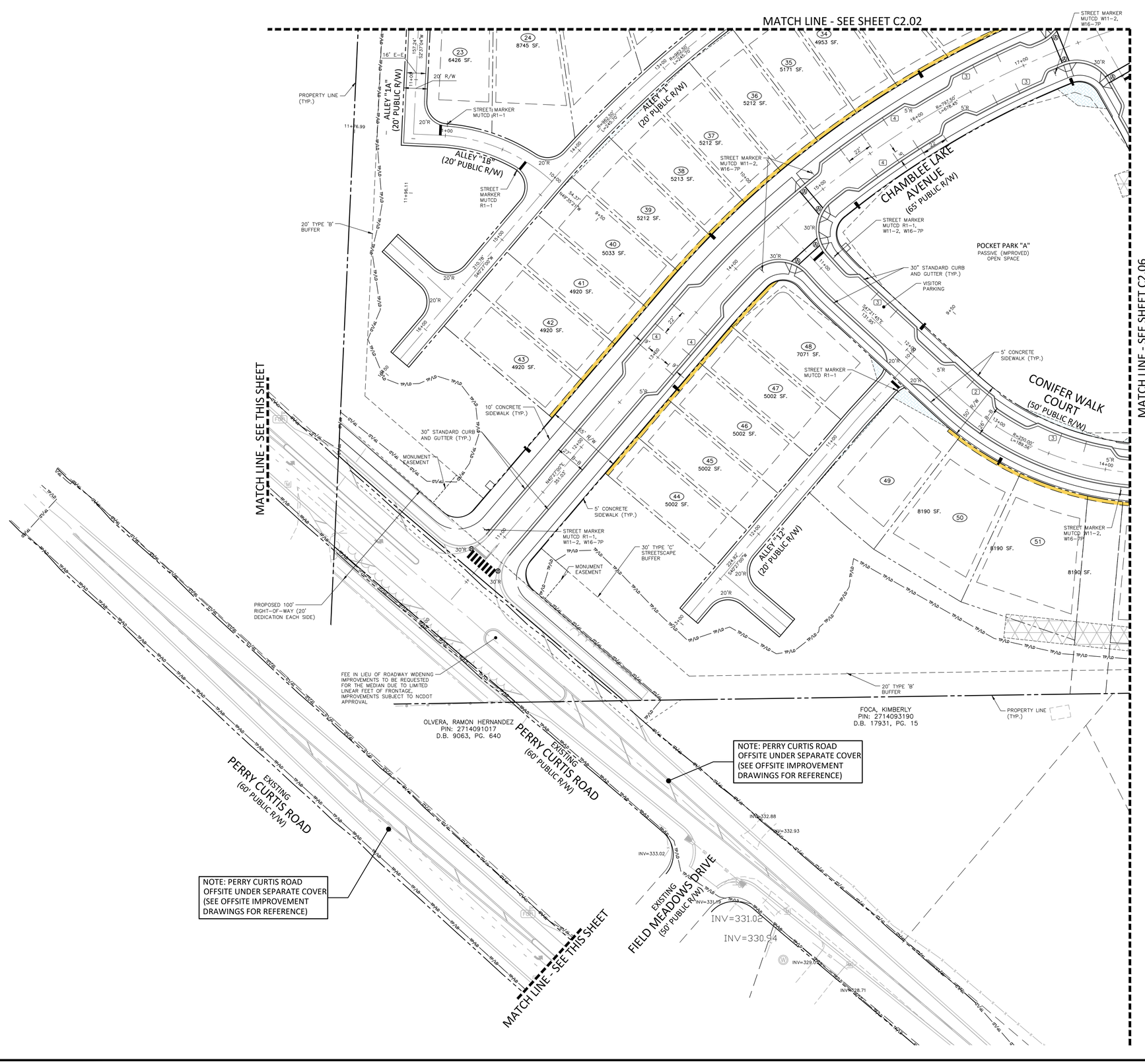
PROJECT NO.	DRH22004
FILENAME	DRH22004-OAS1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=150'
DATE	05. 24. 2024

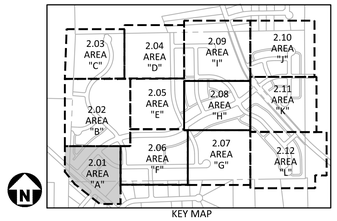
SHEET

OVERALL SITE PLAN

C2.00

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawing\Current Drawing\DRH22004-OAS1.dwg, 7/23/2024 5:18:17 PM, Zach Lee





KEY MAP

SITE LEGEND

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

MUTCD STREET MARKER LEGEND

R2-1 30"x30" SPEED LIMIT 25 | R1-1 30"x30" STOP | R6-5P 30"x30" | W11-2 W16-7P 30"x30" | R6-4 30"x30" | OM4-1 18"x18" | R7-8 12"x26" RESERVED PARKING | R7-1 12"x26" NO PARKING ANY TIME

SPEED LIMIT TABLE	
50' RIGHT OF WAY	25 MPH
54' RIGHT OF WAY	35 MPH
65' RIGHT OF WAY	35 MPH
74' RIGHT OF WAY	35 MPH

EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

N

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

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 049483 BRIAN K. BARKER
PRELIMINARY NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-S1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

SHEET

SITE PLAN AREA "A"

C2.01

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-S1.dwg, 7/22/2024 5:18:26 PM, Zach Lee

MATCH LINE - SEE SHEET C2.03

MATCH LINE - SEE SHEET C2.05

MATCH LINE - SEE SHEET C2.01

TRAILS EDGE LANE (50' PUBLIC R/W)

POND VISTA DRIVE (50' PUBLIC R/W)

MILL VIEW STREET (50' PUBLIC R/W)

ALLEY "1" (20' PUBLIC R/W)

ALLEY "1" (20' PUBLIC R/W)

CHAMBLEE LAKE AVENUE (65' PUBLIC R/W)

STORMWATER CONTROL MEASURE "B"

STORMWATER CONTROL MEASURE "I"

FITNESS STATION

PAVED TRAIL

UNPAVED TRAIL

BOARDWALK

EXISTING WETLAND (TYP.)

STREET MARKER MUTCD W11-2, W16-7P

STREET MARKER MUTCD R1-1, W11-2, W16-7P

STREET MARKER MUTCD R1-1

STREET MARKER MUTCD W11-2, W16-7P

STREET MARKER MUTCD R1-1, W11-2, W16-7P

STREET MARKER MUTCD W11-2, W16-7P

STREET MARKER MUTCD R1-1, W11-2, W16-7P

STREET MARKER MUTCD R1-1

STREET MARKER MUTCD W11-2, W16-7P

STREET MARKER MUTCD R1-1, W11-2, W16-7P

STREET MARKER MUTCD W11-2, W16-7P

30" STANDARD CURB AND GUTTER (TYP.)

5' CONCRETE SIDEWALK (TYP.)

10' CONCRETE SIDEWALK (TYP.)

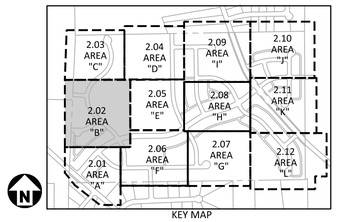
TEMPORARY CONSTRUCTION EASEMENT (TYP.)

20' TYPE 'B' BUFFER

PROPERTY LINE (TYP.)

INTON, REBECCA H
PIN: 2704995359
.B. 2244, PG. 189

12 6782 SF.
13 6782 SF.
14 8347 SF.
15 8775 SF.
16 6836 SF.
17 6836 SF.
18 7713 SF.
19 7885 SF.
20 8895 SF.
21 9357 SF.
22 6120 SF.
23 6426 SF.
24 8745 SF.
25 9045 SF.
26 7077 SF.
27 6236 SF.
28 6192 SF.
29 5734 SF.
30 7175 SF.
31 7218 SF.
32 5972 SF.
33 5484 SF.
34 4953 SF.
35 5171 SF.
36 5212 SF.
37 5212 SF.
92 11188 SF.
93 7390 SF.
94 7200 SF.
95 7200 SF.
96 9451 SF.
97 10390 SF.
98 10390 SF.
99 10390 SF.
100 10054 SF.
101 8497 SF.



KEY MAP

SITE LEGEND

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

MUTCD STREET MARKER LEGEND

R2-1 30"x30" SPEED LIMIT 25 | R1-1 30"x30" STOP | R6-5P 30"x30" | W11-2 W16-7P 30"x30" | R6-4 30"x30" | OM4-1 18"x18" | R7-8 12"x26" RESERVED PARKING | R7-1 12"x26" NO PARKING ANY TIME

SPEED LIMIT TABLE	
50' RIGHT OF WAY	25 MPH
54' RIGHT OF WAY	35 MPH
65' RIGHT OF WAY	35 MPH
74' RIGHT OF WAY	35 MPH

EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER RYAN K. BARKER — NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

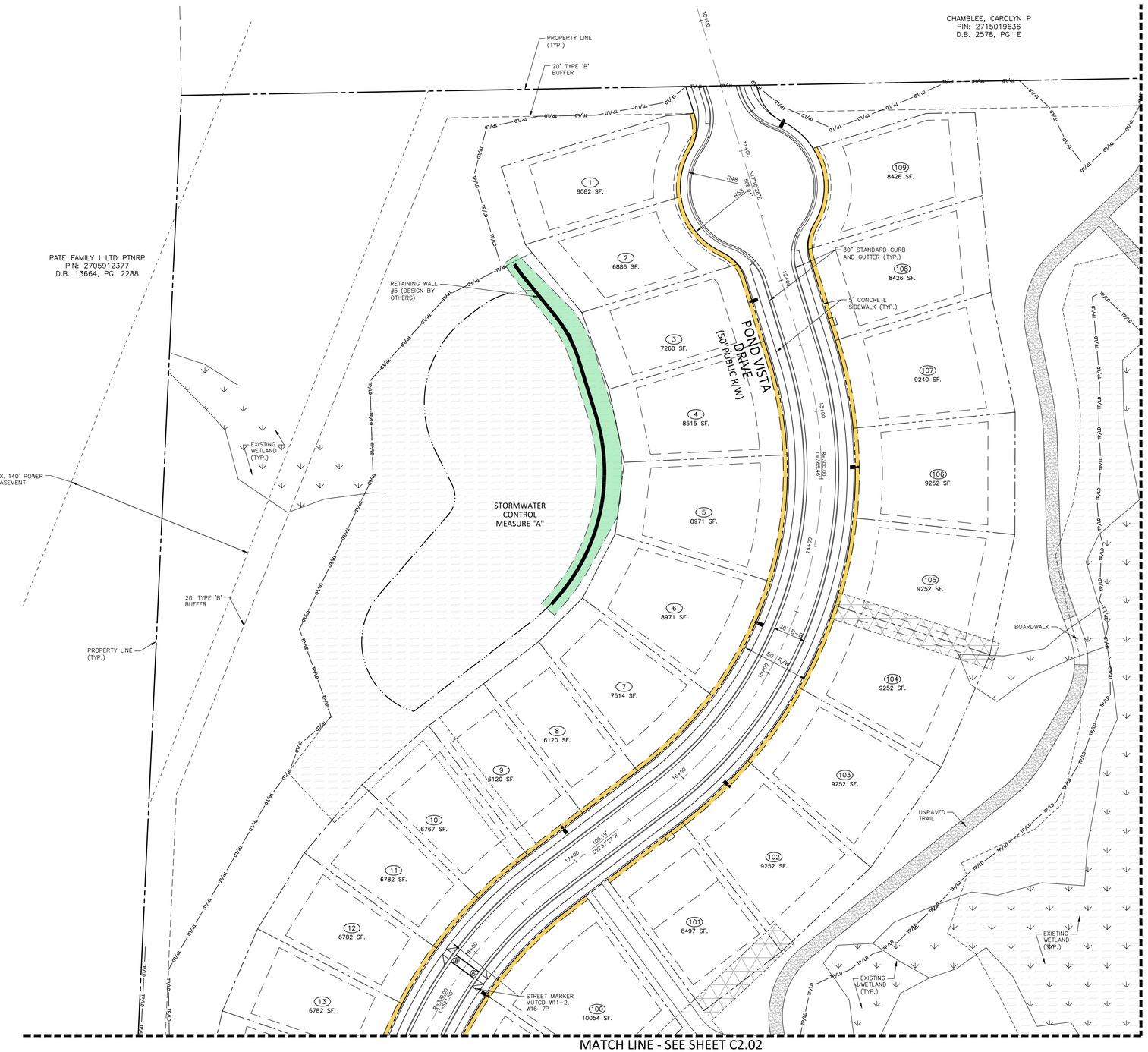
PLAN INFORMATION

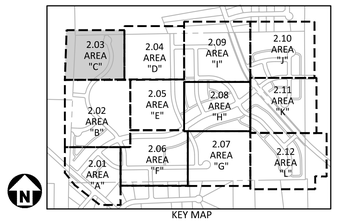
PROJECT NO.	DRH22004
FILENAME	DRH22004-S1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

SHEET

SITE PLAN AREA "B"
C2.02

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawing\Current Drawing\DRH22004-S1.dwg, 7/23/2024 5:18:28 PM, Zach Lee





KEY MAP

SITE LEGEND

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

MUTCD LEGEND

R2-1 30"x30" SPEED LIMIT 25 | R1-1 30"x30" STOP | R6-5P 30"x30" | W11-2 W16-7P 30"x30" | R6-4 30"x30" | OM4-1 18"x18" | R7-8 12"x26" RESERVED PARKING | R7-1 12"x26" NO PARKING ANY TIME

SPEED LIMIT TABLE	
50' RIGHT OF WAY	25 MPH
54' RIGHT OF WAY	35 MPH
65' RIGHT OF WAY	35 MPH
74' RIGHT OF WAY	35 MPH

EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 049483 ALAN K. BARKER — NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

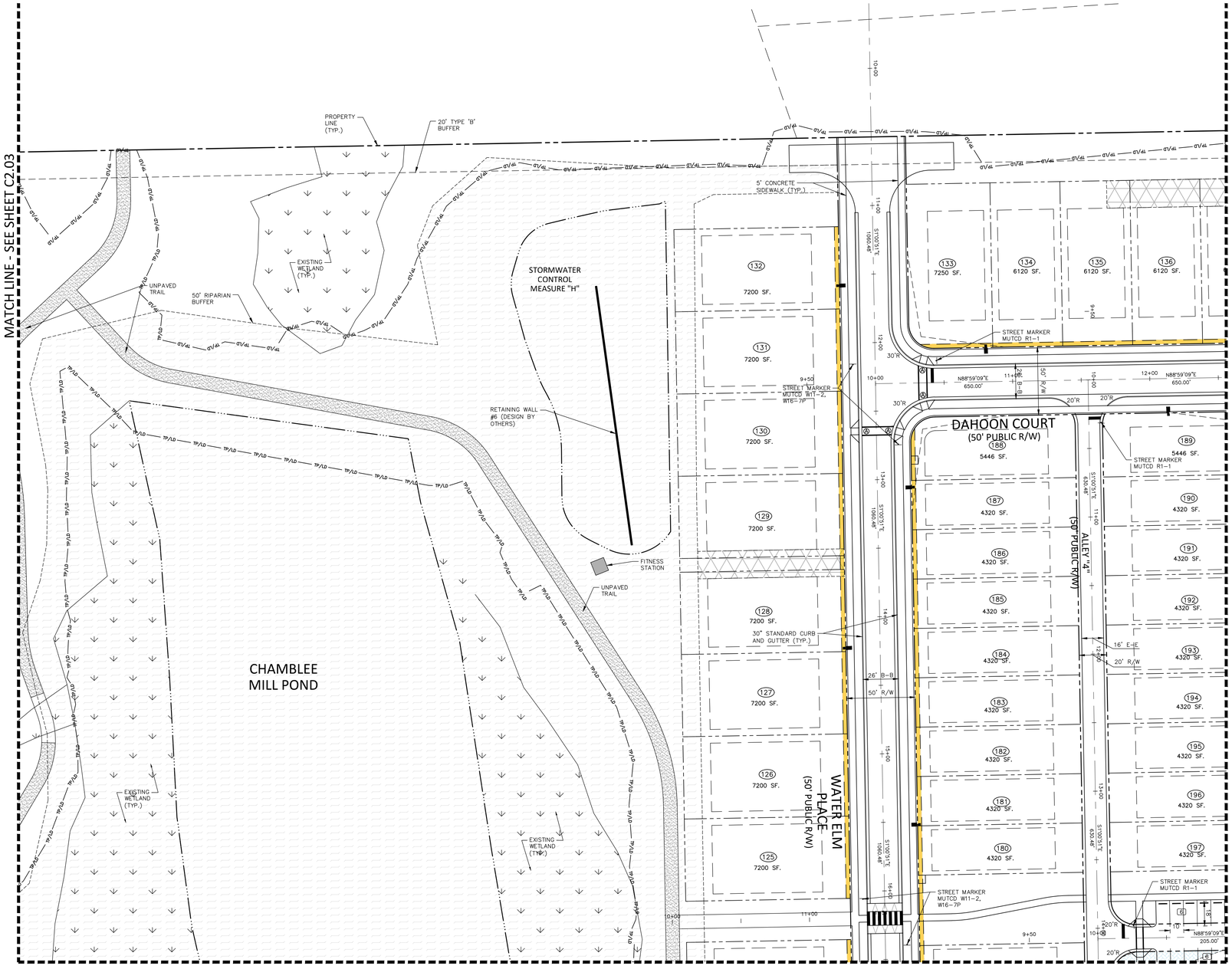
PLAN INFORMATION

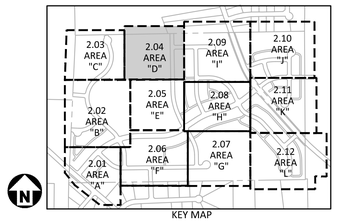
PROJECT NO.	DRH22004
FILENAME	DRH22004-S1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

SHEET

SITE PLAN
AREA "C"
C2.03

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-S1.dwg, 7/22/2024 5:18:30 PM, Zach Lee





SITE LEGEND

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

MUTCD STREET MARKER LEGEND

R2-1 30"x30" SPEED LIMIT 25 | R1-1 30"x30" STOP | R6-5P 30"x30" | W11-2 W16-7P 30"x30" | R6-4 30"x30" | OM4-1 18"x18" | R7-8 12"x26" RESERVED PARKING | R7-1 12"x26" NO PARKING ANY TIME

SPEED LIMIT TABLE	
50' RIGHT OF WAY	25 MPH
54' RIGHT OF WAY	35 MPH
65' RIGHT OF WAY	35 MPH
74' RIGHT OF WAY	35 MPH

EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 049483 RYAN K. BARKER — NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

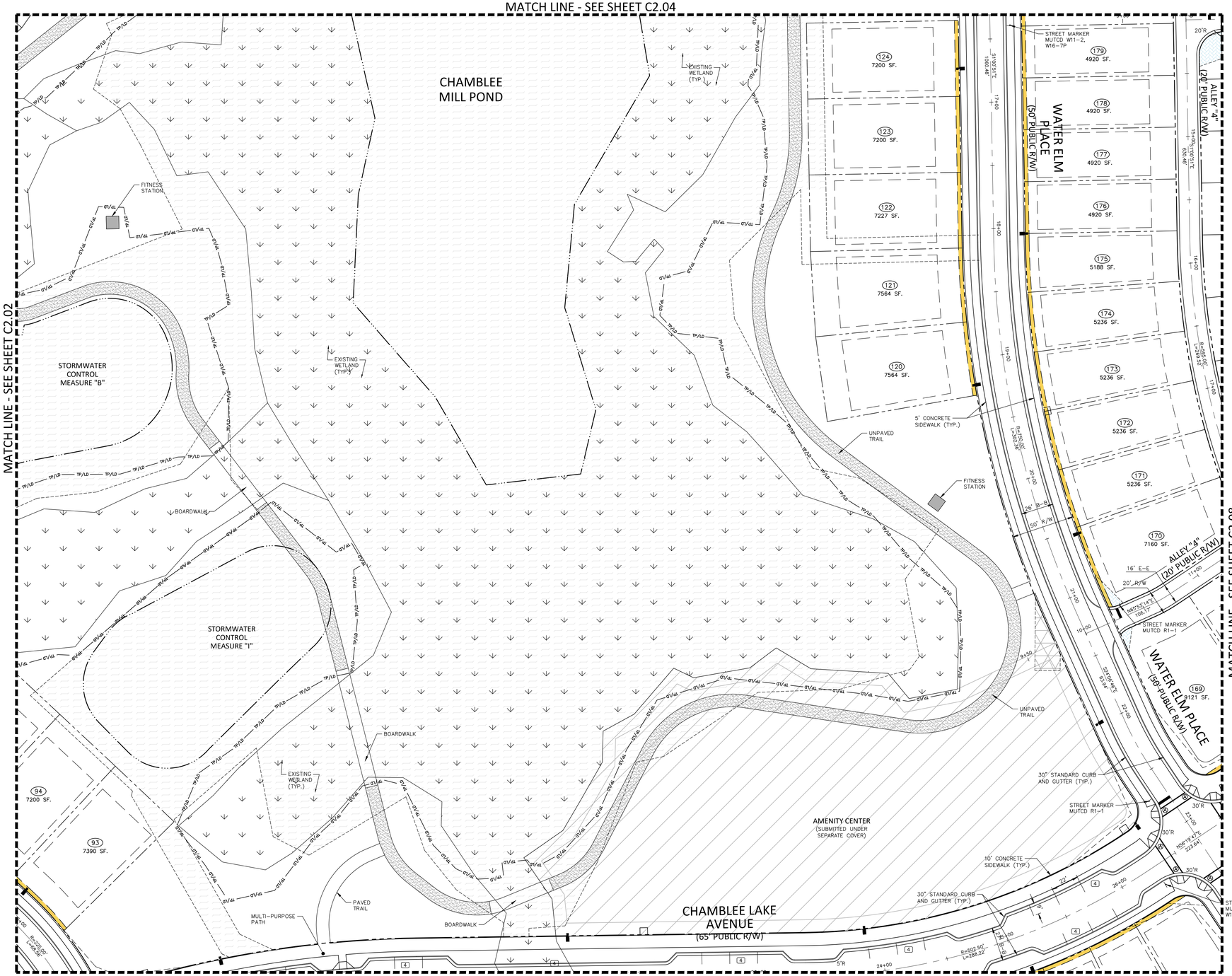
PLAN INFORMATION

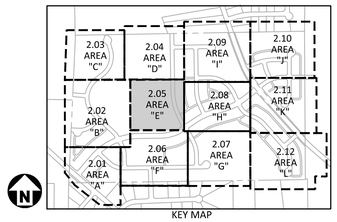
PROJECT NO.	DRH22004
FILENAME	DRH22004-S1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

SHEET

SITE PLAN
AREA "D"
C2.04

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\DRH22004-S1.dwg, 7/23/2024 5:18:31 PM, Zach Lee





SITE LEGEND

- SIGNAGE
- YARD LIGHTS
- LIGHT POLE
- POWER POLE
- TRAFFIC DIRECTIONAL ARROW
- ACC / VAN — ACCESSIBLE PARKING STALL; VAN ACCESSIBLE PARKING STALL
- XX — PARKING SPACE COUNT
- TYPE A, TYPE B, TYPE C — ACCESSIBLE RAMPS
- ACCESSIBLE ROUTE
- PHASE LINE
- PROPERTY LINE
- RIGHT-OF-WAY LINE
- LOT LINE
- EASEMENT LINE
- CENTERLINE

MUTCD STREET MARKER LEGEND

R2-1 30"x30" SPEED LIMIT 25 | R1-1 30"x30" STOP | R6-5P 30"x30" | W11-2 W16-7P 30"x30" | R6-4 30"x30" | OM4-1 18"x18" | R7-8 12"x26" RESERVED PARKING | R7-1 12"x26" NO PARKING ANY TIME

SPEED LIMIT TABLE	
50' RIGHT OF WAY	25 MPH
54' RIGHT OF WAY	35 MPH
65' RIGHT OF WAY	35 MPH
74' RIGHT OF WAY	35 MPH

EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 049483 RYAN K. BARKER — NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-S1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

SHEET

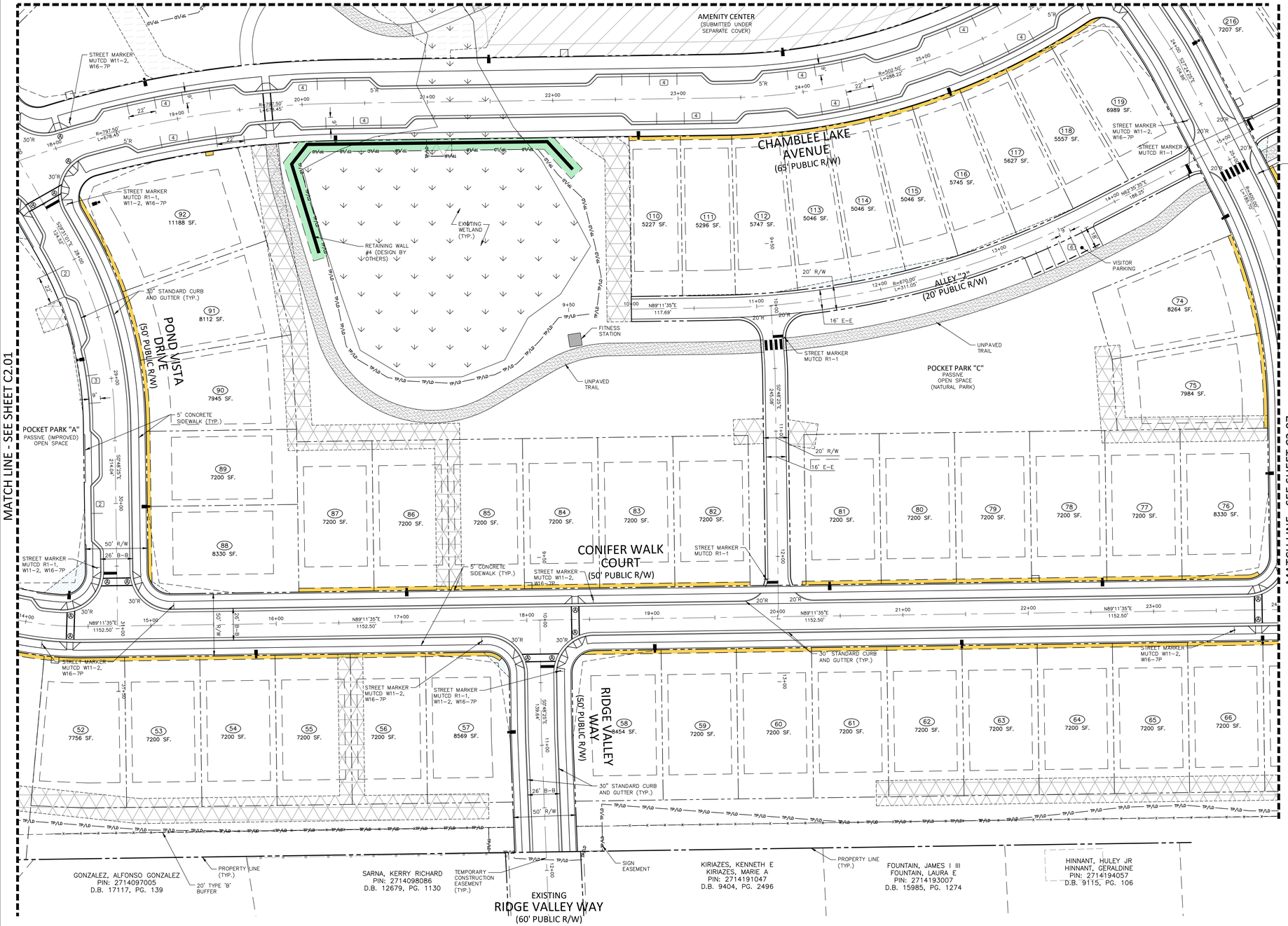
SITE PLAN AREA "E"
C2.05

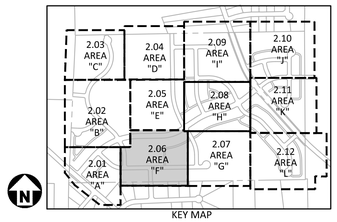
M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-S1.dwg, 7/22/2024 5:18:32 PM, Zach Lee

MATCH LINE - SEE SHEET C2.05

MATCH LINE - SEE SHEET C2.01

MATCH LINE - SEE SHEET C2.07





SITE LEGEND

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

MUTCD STREET MARKER LEGEND

R2-1 30"x30" SPEED LIMIT 25 | R1-1 30"x30" STOP | R6-5P 30"x30" | W11-2 W16-7P 30"x30" | R6-4 30"x30" | OM4-1 18"x18" | R7-8 12"x26" RESERVED PARKING | R7-1 12"x26" NO PARKING ANY TIME

SPEED LIMIT TABLE	
50' RIGHT OF WAY	25 MPH
54' RIGHT OF WAY	35 MPH
65' RIGHT OF WAY	35 MPH
74' RIGHT OF WAY	35 MPH

EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 049483 RYAN K. BARKER — NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-S1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

SHEET

SITE PLAN
AREA "F"
C2.06

X:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-S1.dwg, 7/22/2024 5:18:34 PM, ZachLee

MATCH LINE - SEE SHEET C2.08

MATCH LINE - SEE SHEET C2.06

MATCH LINE - SEE SHEET C2.12

ALLEY "2"
(20' PUBLIC R/W)

WATER ELM PLACE
(50' PUBLIC R/W)

CONIFER WALK COURT
(50' PUBLIC R/W)

FITNESS STATION

UNPAVED TRAIL

STREET MARKER MUTCD W11-2, W16-7P

STREET MARKER MUTCD R1-1

30" STANDARD CURB AND GUTTER (TYP.)

30" MOUNTABLE CURB AND GUTTER (TYP.)

4' CONCRETE SIDEWALK (TYP.)

EXISTING WETLAND (TYP.)

STORMWATER CONTROL MEASURE "J"

20' TYPE 'B' BUFFER

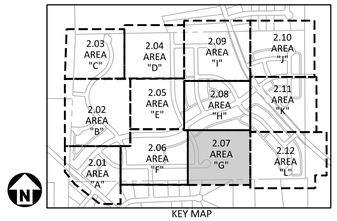
PROPERTY LINE (TYP.)

BRODEUR, MADELINE
PIN: 2714195099
D.B. 11351, PG. 463

SMITH, KENNETH R
SMITH, TONYA K
PIN: 2714197170
D.B. 9312, PG. 1963

CRENSHAW, BARRY A
PIN: 2714282739
D.B. 8434, PG. 1792

HOAD, RYAN PATRICK
HOAD, JAMIE LEIGH



KEY MAP

SITE LEGEND

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

MUTCD STREET MARKER LEGEND

R2-1 30"x30" SPEED LIMIT 25 | R1-1 30"x30" STOP | R6-5P 30"x30" | W11-2 W16-7P 30"x30" | R6-4 30"x30" | OM4-1 18"x18" | R7-8 12"x26" RESERVED PARKING | R7-1 12"x26" NO PARKING ANY TIME

SPEED LIMIT TABLE	
50' RIGHT OF WAY	25 MPH
54' RIGHT OF WAY	35 MPH
65' RIGHT OF WAY	35 MPH
74' RIGHT OF WAY	35 MPH

EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 049483 RYAN K. BARKER — NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

PLAN INFORMATION

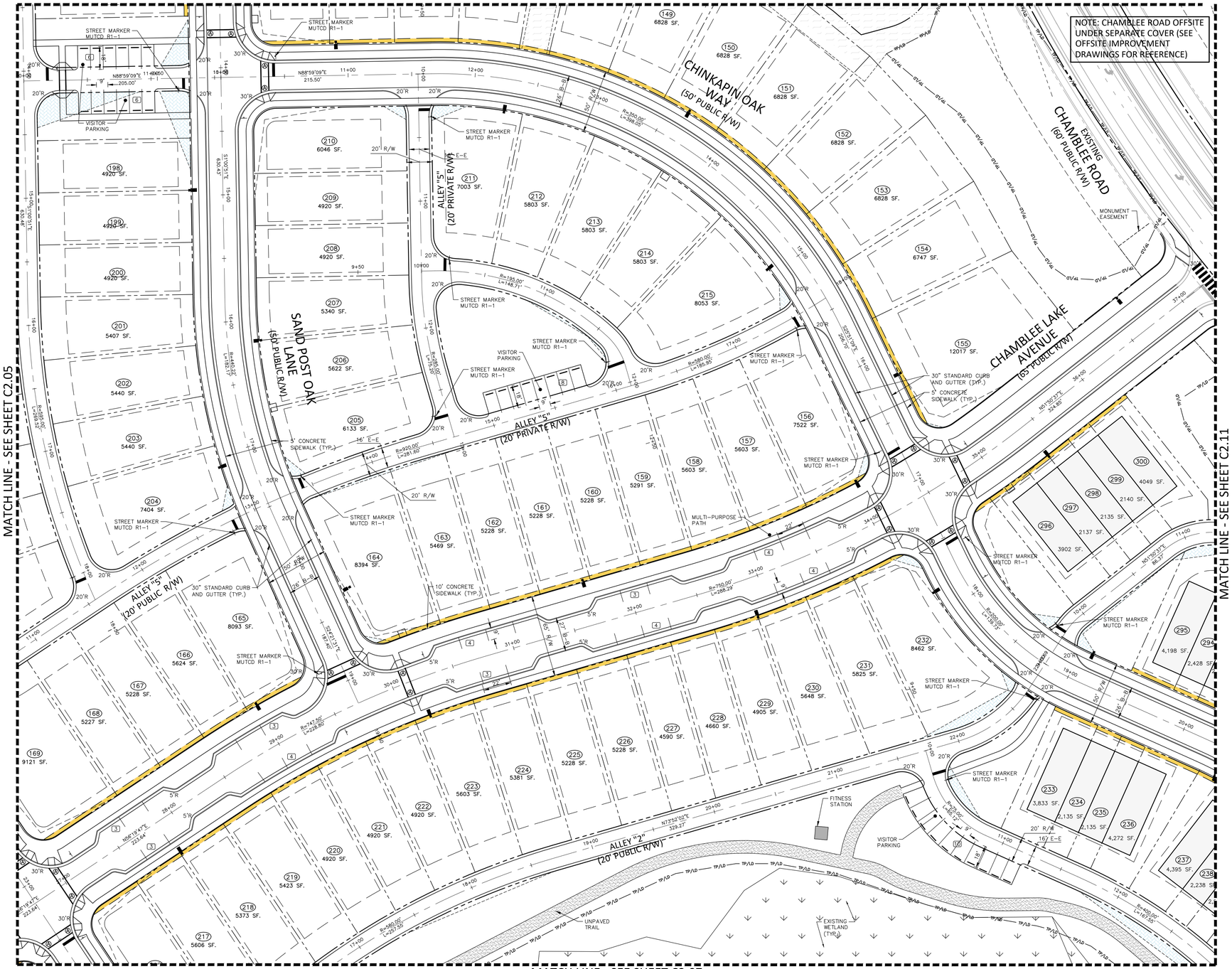
PROJECT NO.	DRH22004
FILENAME	DRH22004-S1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

SHEET

SITE PLAN
AREA "G"
C2.07

N:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-S1.dwg, 7/23/2024 5:18:35 PM, Zach Lee

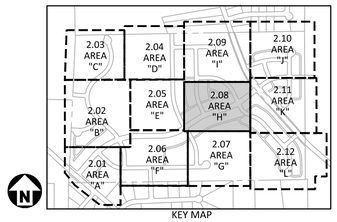
MATCH LINE - SEE SHEET C2.09



MATCH LINE - SEE SHEET C2.05

MATCH LINE - SEE SHEET C2.11

MATCH LINE - SEE SHEET C2.07



KEY MAP

SITE LEGEND

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

MUTCD STREET MARKER LEGEND

R2-1 30"x30" SPEED LIMIT 25 | R1-1 30"x30" STOP | R6-5P 30"x30" | W11-2 W16-7P 30"x30" | R6-4 30"x30" | OM4-1 18"x18" | R7-8 12"x26" RESERVED PARKING | R7-1 12"x26" NO PARKING ANY TIME

SPEED LIMIT TABLE	
50' RIGHT OF WAY	25 MPH
54' RIGHT OF WAY	35 MPH
65' RIGHT OF WAY	35 MPH
74' RIGHT OF WAY	35 MPH

EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 049483 RYAN K. BARKER

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

PLAN INFORMATION

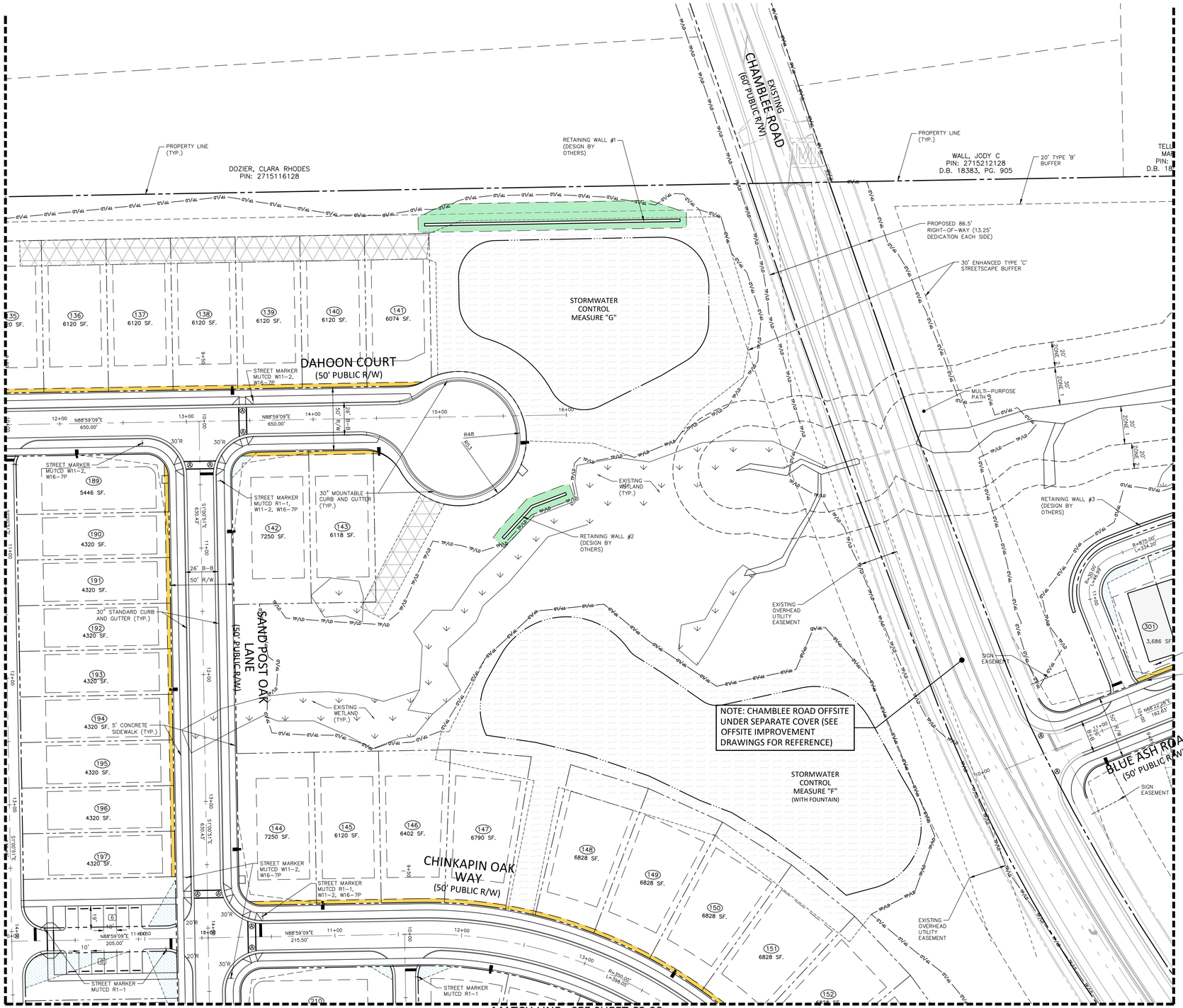
PROJECT NO.	DRH22004
FILENAME	DRH22004-S1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

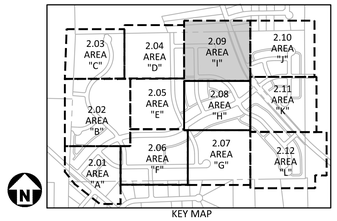
SHEET

SITE PLAN AREA "H"

C2.08

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-S1.dwg, 7/23/2024 5:18:38 PM, Zach Lee





SITE LEGEND

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

MUTCD STREET MARKER LEGEND

R2-1 30"x30" SPEED LIMIT 25 | R1-1 30"x30" STOP | R6-5P 30"x30" | W11-2 W16-7P 30"x30" | R6-4 30"x30" | OM4-1 18"x18" | R7-8 12"x26" RESERVED PARKING | R7-1 12"x26" NO PARKING ANY TIME

SPEED LIMIT TABLE	
50' RIGHT OF WAY	25 MPH
54' RIGHT OF WAY	35 MPH
65' RIGHT OF WAY	35 MPH
74' RIGHT OF WAY	35 MPH

EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER BRYAN K. BARKER
PRELIMINARY NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

PLAN INFORMATION

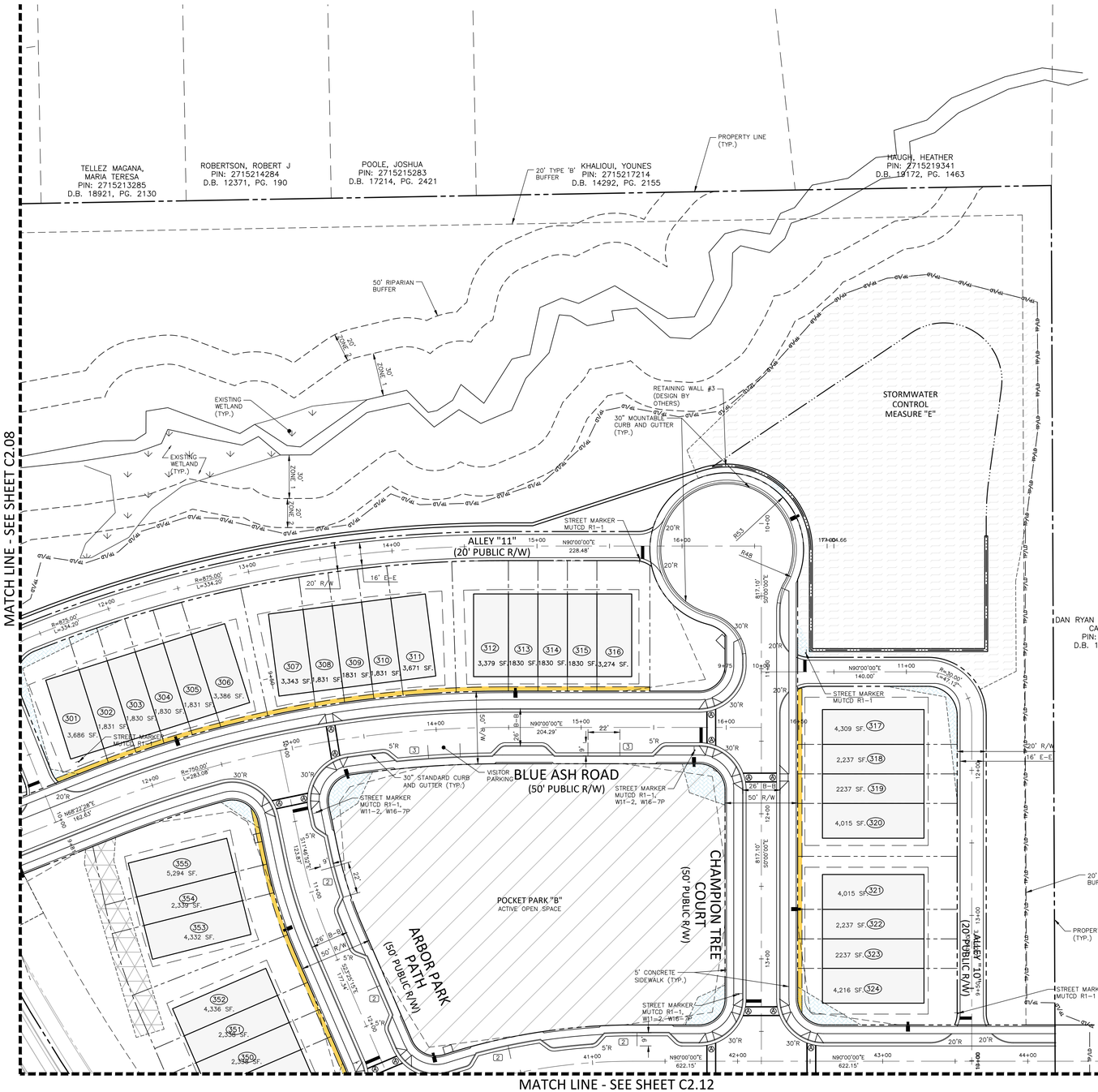
PROJECT NO.	DRH22004
FILENAME	DRH22004-S1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

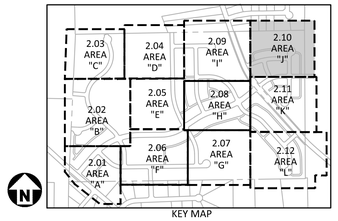
SHEET

SITE PLAN AREA "I"

C2.09

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawing\Current Drawing\DRH22004-S1.dwg, 7/22/2024 5:18:39 PM, Zach Lee





KEY MAP

SITE LEGEND

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

MUTCD STREET MARKER LEGEND

R2-1 30"x30" SPEED LIMIT 25 | R1-1 30"x30" STOP | R6-5P 30"x30" | W11-2 W16-7P 30"x30" | R6-4 30"x30" | OM4-1 18"x18" | R7-8 12"x26" RESERVED PARKING | R7-1 12"x26" NO PARKING ANY TIME

SPEED LIMIT TABLE	
50' RIGHT OF WAY	25 MPH
54' RIGHT OF WAY	35 MPH
65' RIGHT OF WAY	35 MPH
74' RIGHT OF WAY	35 MPH

EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 049483 RYAN K. BARKER NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-S1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

SHEET

SITE PLAN AREA "J"
C2.10

X:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-S1.dwg, 7/23/2024 5:18:40 PM, ZachLee

KEY MAP

SITE LEGEND

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

MUTCD STREET MARKER LEGEND

R2-1 30"x30" | R1-1 30"x30" | R6-5P 30"x30" | W11-2 W16-7P 30"x30" | R6-4 30"x30" | OM4-1 18"x18" | R7-8 12"x26" | R7-1 12"x26"

SPEED LIMIT 25 | STOP | RESERVED PARKING | NO PARKING ANY TIME

SPEED LIMIT TABLE	
50' RIGHT OF WAY	25 MPH
54' RIGHT OF WAY	35 MPH
65' RIGHT OF WAY	35 MPH
74' RIGHT OF WAY	35 MPH

EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER RYAN K. BARKER
PRELIMINARY NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

PLAN INFORMATION

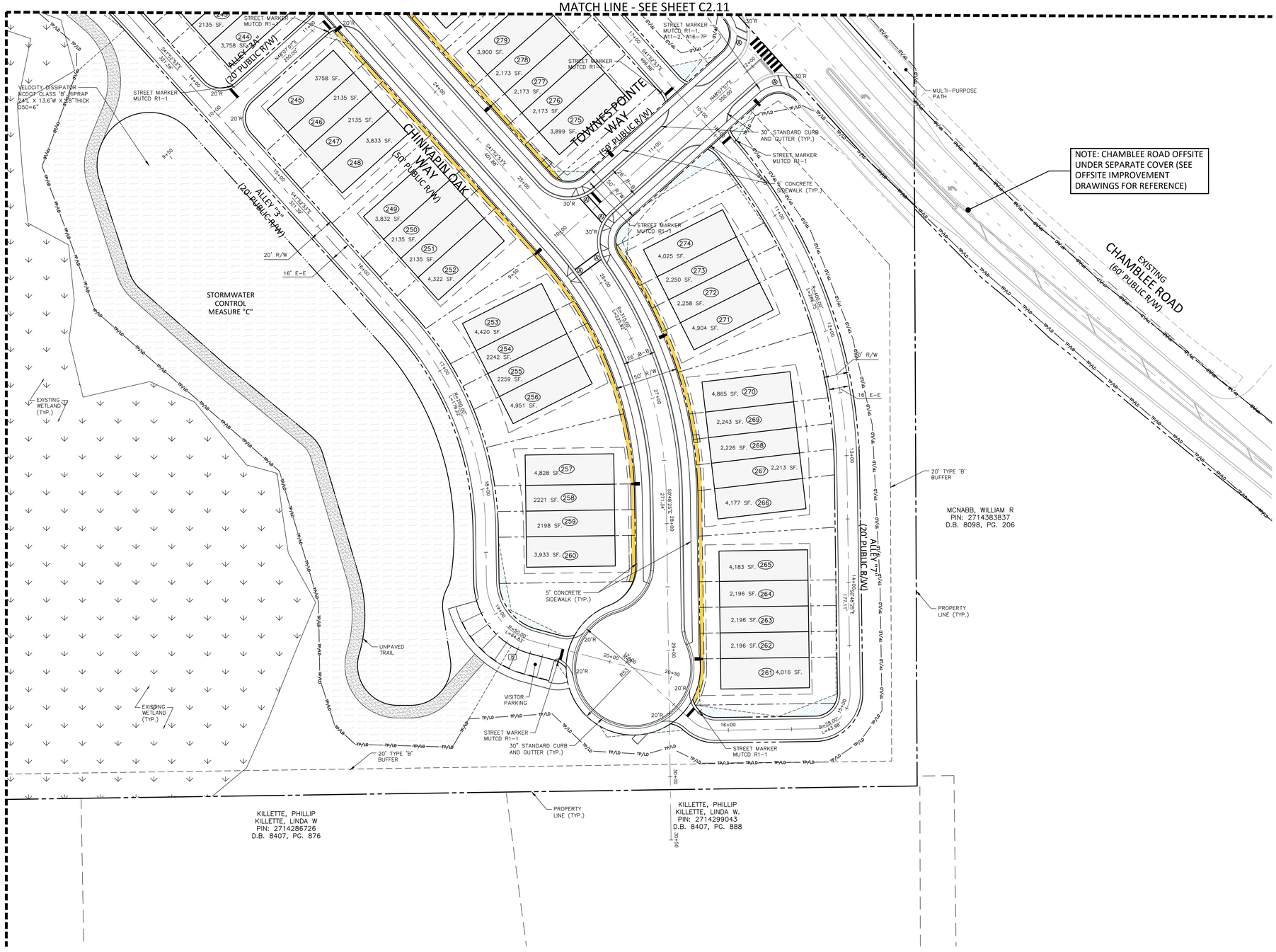
PROJECT NO.	DRH22004
FILENAME	DRH22004-S1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

SHEET

SITE PLAN
AREA "K"

C2.11

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-S1.dwg, 7/22/2024 5:18:42 PM, Zach Lee



SITE LEGEND

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

MUTCD STREET MARKER LEGEND

R2-1 30"x30" SPEED LIMIT 25 | R1-1 30"x30" STOP | R6-5P 30"x30" | W11-2 W16-7P 30"x30" | R6-4 30"x30" | OM4-1 18"x18" | R7-8 12"x26" RESERVED PARKING | R7-1 12"x26" NO PARKING ANY TIME

SPEED LIMIT TABLE	
50' RIGHT OF WAY	25 MPH
54' RIGHT OF WAY	35 MPH
65' RIGHT OF WAY	35 MPH
74' RIGHT OF WAY	35 MPH

EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 049483 BRIAN K. BARKER — NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

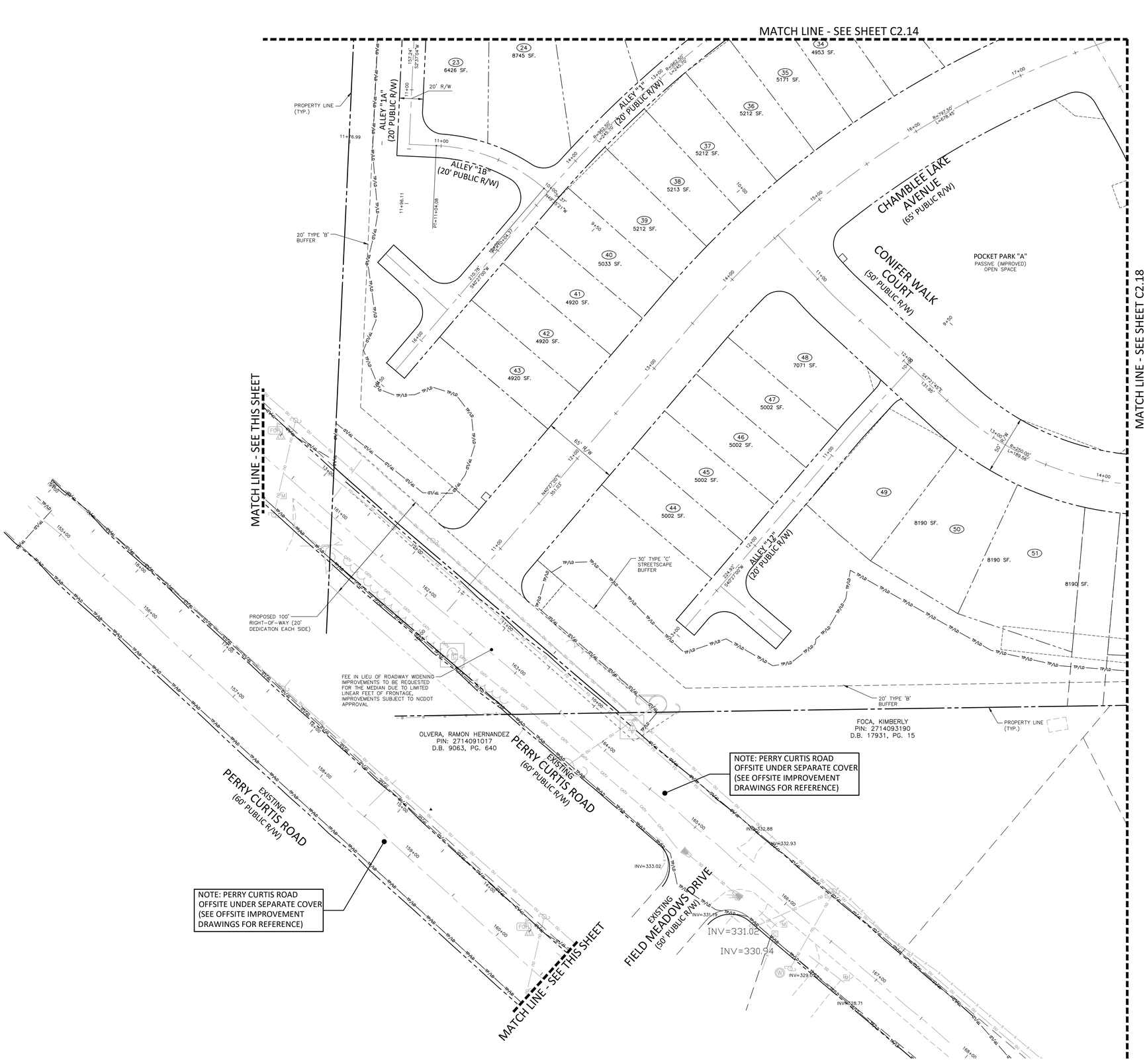
PLAN INFORMATION

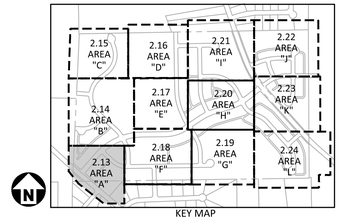
PROJECT NO.	DRH22004
FILENAME	DRH22004-S1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

SHEET

SITE PLAN AREA "L"
C2.12

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-S1.dwg, 7/22/2024 5:18:44 PM, Zach Lee





KEY MAP

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER RYAN K. BARKER

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-S1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

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

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

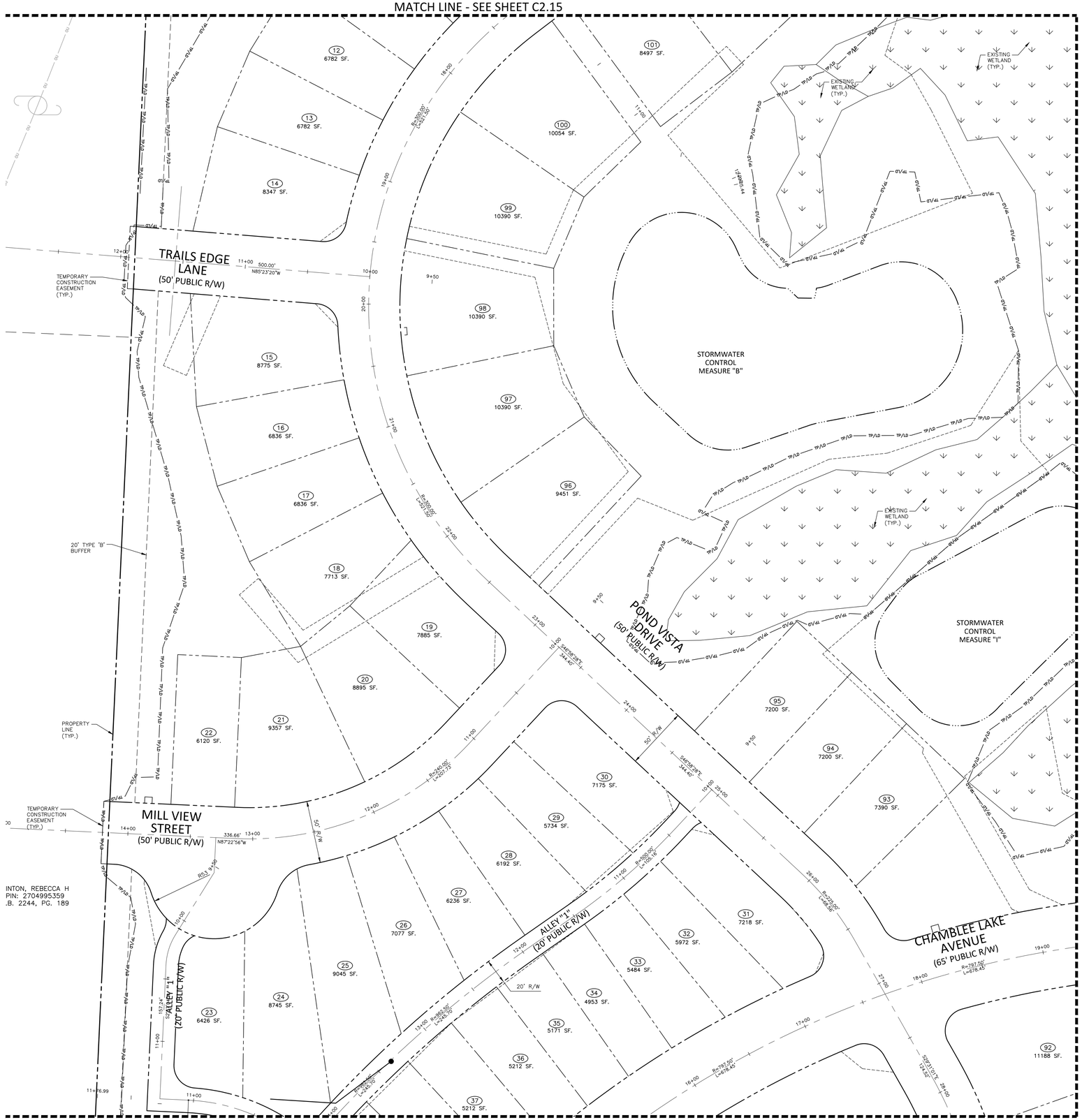
SHEET

LOT DIMENSION PLAN AREA "A"

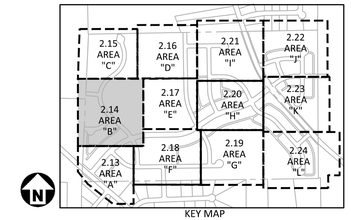
C2.13

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-S2.dwg, 7/22/2024 5:18:55 PM, Zach Lee

MATCH LINE - SEE SHEET C2.15



MATCH LINE - SEE SHEET C2.13



McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON
America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER RYAN K. BARKER
PRELIMINARY NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-S1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

SHEET

LOT DIMENSION PLAN AREA "B"

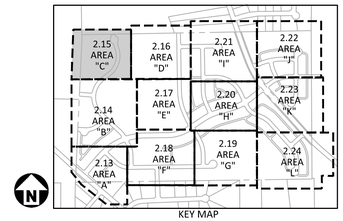
C2.14

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

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-S2.dwg, 7/23/2024 5:18:56 PM, Zach Lee



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

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER RYAN K. BARKER
EXPIRATION
NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

PLAN INFORMATION

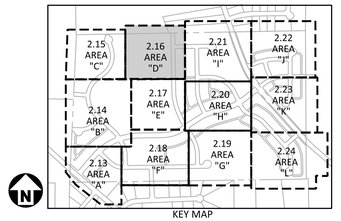
PROJECT NO.	DRH22004
FILENAME	DRH22004-S1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

SHEET

LOT DIMENSION PLAN AREA "C"

C2.15

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-S2.dwg, 7/22/2024 5:18:57 PM, Zach Lee



McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 049483 RYAN K. BARKER — NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-S1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

SHEET

LOT DIMENSION PLAN AREA "D"

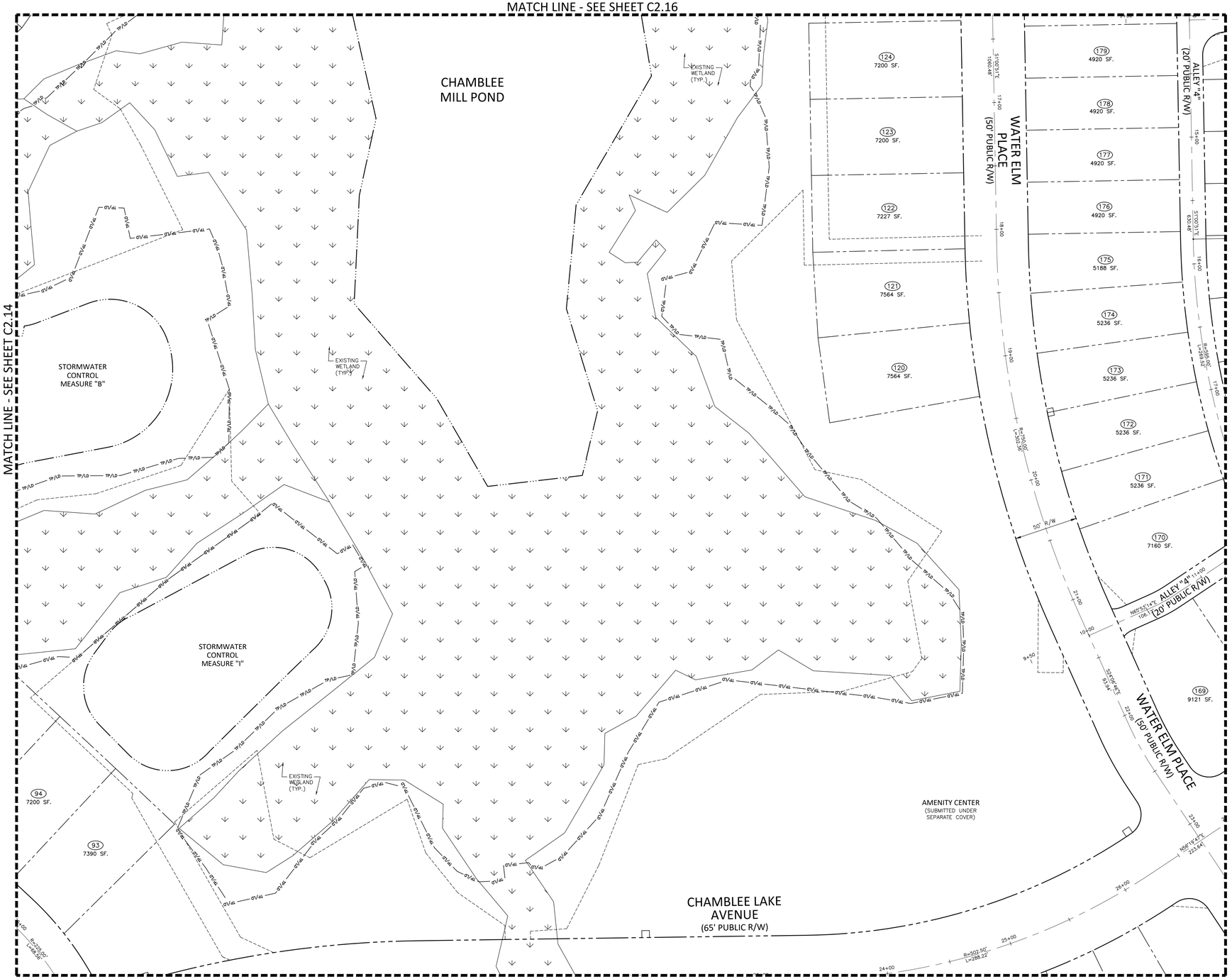
C2.16

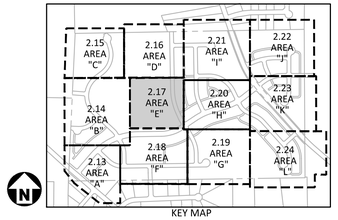
GRAPHIC SCALE
0 20 40 80
1 inch = 40 ft.

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

X:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-S2.dwg, 7/22/2024 5:18:58 PM, Zach Lee





McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-S1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

SHEET

LOT DIMENSION PLAN
AREA "E"
C2.17

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

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

X:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-S2.dwg, 7/23/2024 5:18:59 PM, ZachLee

MATCH LINE - SEE SHEET C2.17

MATCH LINE - SEE SHEET C2.13

MATCH LINE - SEE SHEET C2.19

AMENITY CENTER
(SUBMITTED UNDER SEPARATE COVER)

CHAMBLEE LAKE AVENUE
(65' PUBLIC R/W)

ALLEY "2"
(20' PUBLIC R/W)

POND VISTA DRIVE
(50' PUBLIC R/W)

POCKET PARK "A"
PASSIVE (IMPROVED) OPEN SPACE

POCKET PARK "C"
PASSIVE OPEN SPACE (NATURAL PARK)

CONIFER WALK COURT
(50' PUBLIC R/W)

RIDGE VALLEY WAY
(50' PUBLIC R/W)

EXISTING RIDGE VALLEY WAY
(60' PUBLIC R/W)

EXISTING WETLAND (TYP.)

RETAINING WALL #4 (DESIGN BY OTHERS)

20' TYPE 'B' BUFFER

TEMPORARY CONSTRUCTION EASEMENT (TYP.)

SIGN EASEMENT

PROPERTY LINE (TYP.)

92	11188 SF.	
91	8112 SF.	
90	7945 SF.	
89	7200 SF.	
88	8330 SF.	
87	7200 SF.	
86	7200 SF.	
85	7200 SF.	
84	7200 SF.	
83	7200 SF.	
82	7200 SF.	
81	7200 SF.	
80	7200 SF.	
79	7200 SF.	
78	7200 SF.	
77	7200 SF.	
76	8330 SF.	
75	7984 SF.	
74	8264 SF.	
119	6989 SF.	
118	5557 SF.	
117	5627 SF.	
116	5745 SF.	
115	5046 SF.	
114	5046 SF.	
113	5046 SF.	
112	5747 SF.	
111	5296 SF.	
110	5227 SF.	
216	7207 SF.	
52	7756 SF.	
53	7200 SF.	
54	7200 SF.	
55	7200 SF.	
56	7200 SF.	
57	8569 SF.	
58	8454 SF.	
59	7200 SF.	
60	7200 SF.	
61	7200 SF.	
62	7200 SF.	
63	7200 SF.	
64	7200 SF.	
65	7200 SF.	
66	7200 SF.	

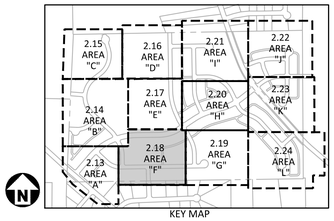
GONZALEZ, ALFONSO GONZALEZ
PIN: 2714097005
D.B. 17117, PG. 139

SARNA, KERRY RICHARD
PIN: 2714098086
D.B. 12679, PG. 1130

KIRIAZES, KENNETH E
KIRIAZES, MARIE A
PIN: 2714191047
D.B. 9404, PG. 2496

FOUNTAIN, JAMES I III
FOUNTAIN, LAURA E
PIN: 2714193007
D.B. 15985, PG. 1274

HINNANT, HULEY JR
HINNANT, GERALDINE
PIN: 2714194057
D.B. 9115, PG. 106



KEY MAP

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

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 049483 ROBIN K. BARKER
NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

PLAN INFORMATION

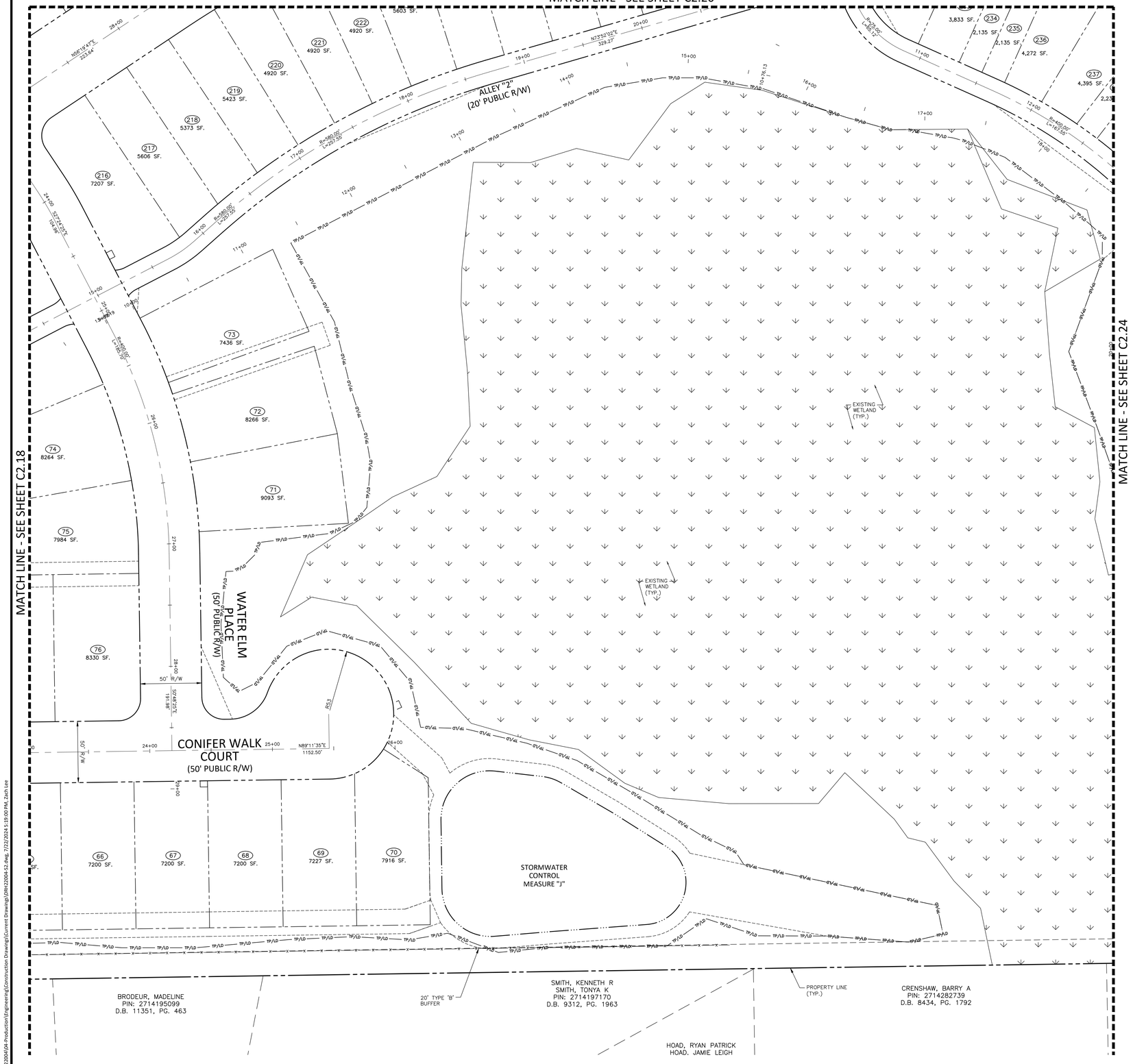
PROJECT NO.	DRH22004
FILENAME	DRH22004-S1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

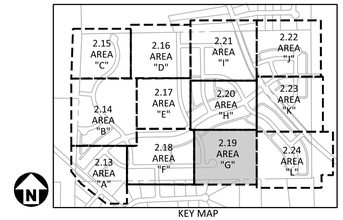
SHEET

LOT DIMENSION PLAN
AREA "F"

C2.18

X:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-S1.dwg, 7/22/2024 5:19:00 PM, ZachLee





McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON
America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER RYAN K. BARKER
NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-S1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

SHEET

LOT DIMENSION PLAN AREA "G"

C2.19

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

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-S2.dwg, 7/22/2024 5:19:00 PM, Zach Lee

MATCH LINE - SEE SHEET C2.21

MATCH LINE - SEE SHEET C2.17

MATCH LINE - SEE SHEET C2.23

MATCH LINE - SEE SHEET C2.19

NOTE: CHAMBLEE ROAD OFFSITE UNDER SEPARATE COVER (SEE OFFSITE IMPROVEMENT DRAWINGS FOR REFERENCE)

CHINKAPIN OAK WAY (50' PUBLIC R/W)

CHAMBLEE ROAD (EXISTING 60' PUBLIC R/W)

SAND POST OAK LANE (50' PUBLIC R/W)

CHAMBLEE LAKE AVENUE (65' PUBLIC R/W)

ALLEY "1" (20' PUBLIC R/W)

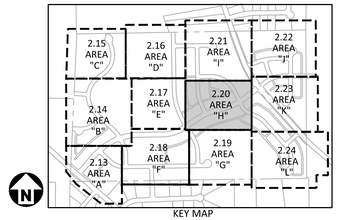
ALLEY "2" (20' PUBLIC R/W)

ALLEY "3" (20' PRIVATE R/W)

ALLEY "4" (20' PRIVATE R/W)

ALLEY "5" (20' PRIVATE R/W)

ALLEY "5" (20' PUBLIC R/W)



KEY MAP

McADAMS

The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603

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

www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON
America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER RYAN K. BARKER
NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-S1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

SHEET

LOT DIMENSION PLAN AREA "H"

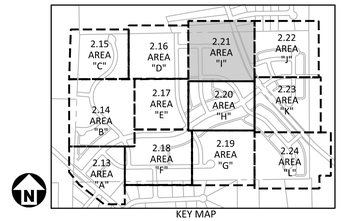
C2.20

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

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-S2.dwg, 7/22/2024 5:19:01 PM, Zach Lev



McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 049483 RYAN K. BARKER
NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-S1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

SHEET

LOT DIMENSION PLAN
AREA "I"

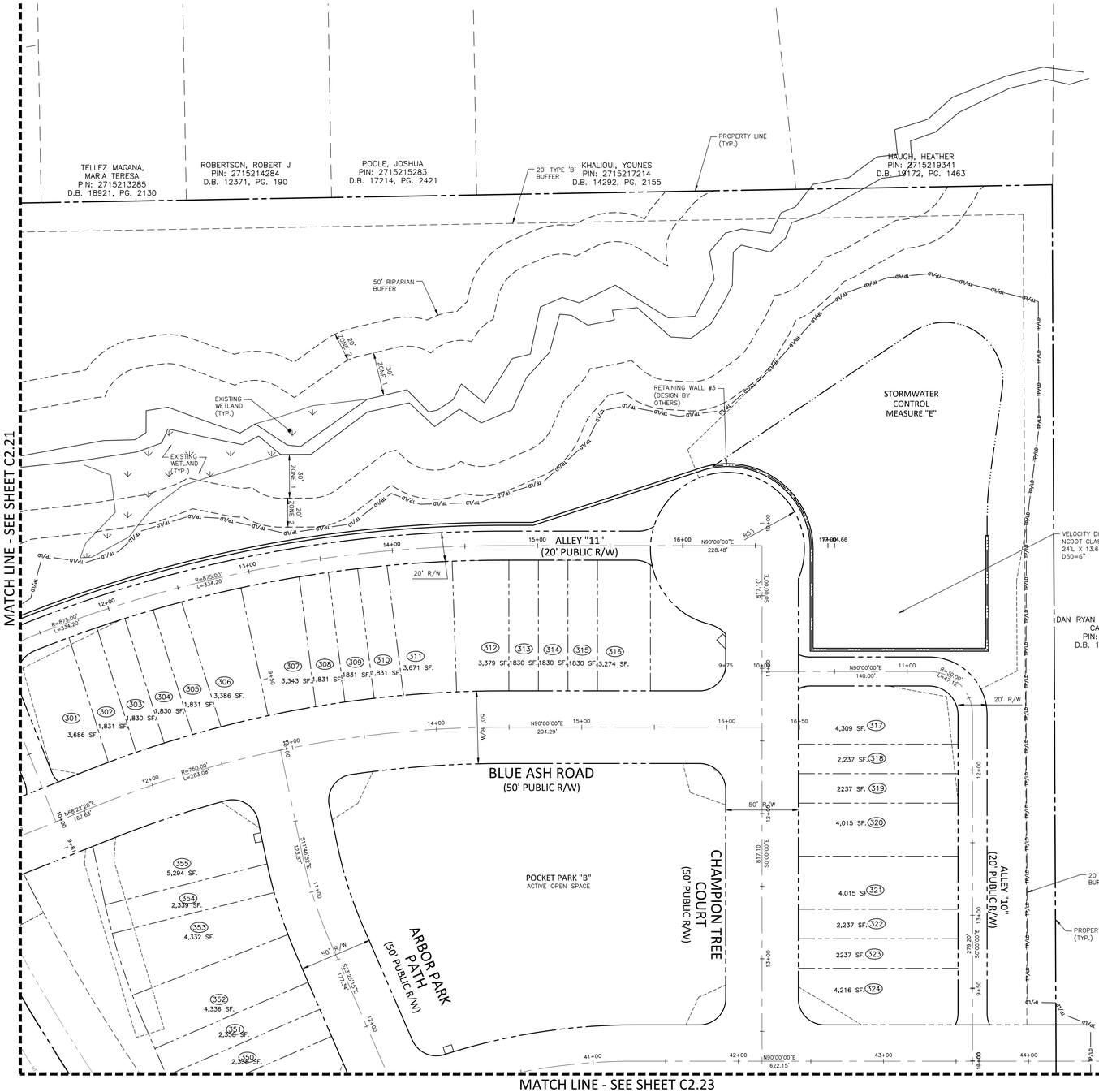
C2.21

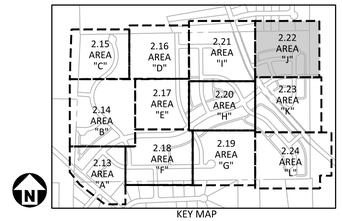
GRAPHIC SCALE
0 20 40 80
1 inch = 40 ft.

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-S2.dwg, 7/22/2024 5:19:02 PM, Zach Lee





KEY MAP

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 049483 RYAN K. BARKER

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-S1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

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

SHEET

LOT DIMENSION PLAN AREA "J"

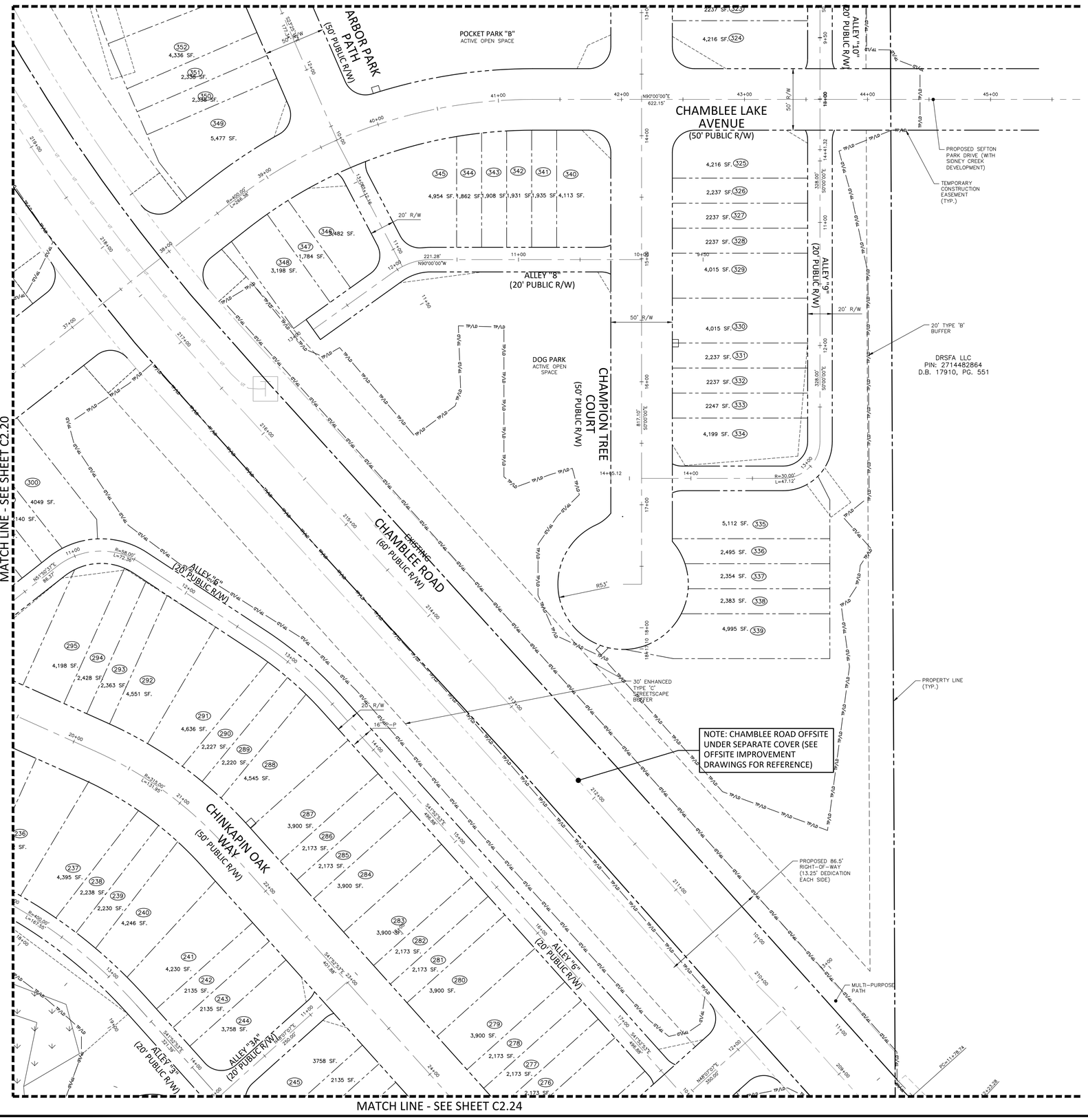
C2.22

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

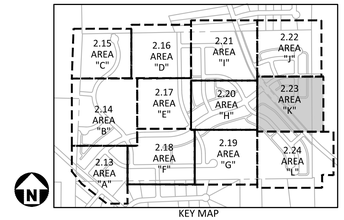
M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-S2.dwg, 7/22/2024 5:19:03 PM, Zach Lee

MATCH LINE - SEE SHEET C2.22



MATCH LINE - SEE SHEET C2.20

MATCH LINE - SEE SHEET C2.24



KEY MAP

McADAMS

The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603

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

www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON
America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER RYAN K. BARKER
ELECTRONIC INFORMATION NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-S1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

SHEET

LOT DIMENSION PLAN
AREA "K"

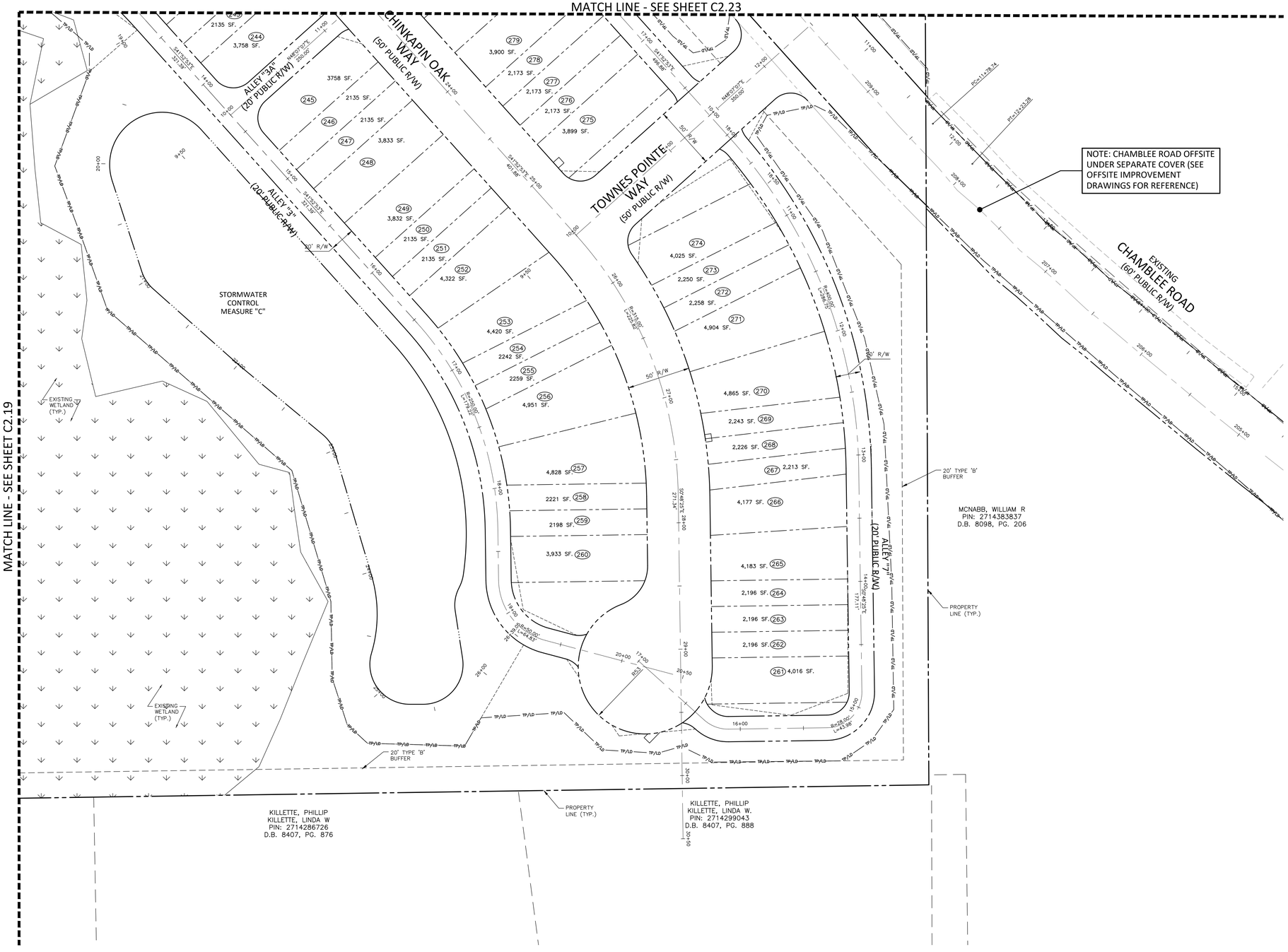
C2.23

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

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-S1.dwg, 7/23/2024 5:19:04 PM, Zach Lee



McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON
America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 049483 RYAN K. BARKER
NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-S1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

SHEET

LOT DIMENSION PLAN
AREA "L"

C2.24

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

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-S2.dwg, 7/22/2024 5:19:05 PM, Zach Lee

1 CHAMBLEE, CAROLYN P PIN: 2715-01-9636 D.B. 2578, PG. E

2 JUAREZ, PEDRO CARREON JUAREZ, MARIA DEL PIN: 2715-11-6216

3 DOZIER, CLARA RHODES PIN: 2715-11-6128

4 WILLIAMS, GEORGETTE PIN: 2715-21-2207

5 WALL, JODY C PIN: 2715-21-2128 D.B. 18383, PG. 905

6 TELLEZ MAGANA, MARIA TERESA PIN: 2715-21-3285 D.B. 18921, PG. 2130

7 ROBERTSON, ROBERT J PIN: 2715-21-4284 D.B. 12371, PG. 190

8 POOLE, JOSHUA PIN: 2715-21-5283 D.B. 17214, PG. 2421

9 KHALIOUI, YOUNES PIN: 2715-21-7214 D.B. 14292, PG. 2155

10 HAUGH, PAUL G HAUGH, HEATHER W PIN: 2715-21-9341 D.B. 19172, PG. 1463

11 DAN RYAN BUILDERS - NORTH CAROLINA LLC PIN: 2715-41-0167 D.B. 17910, PG. 548

12 MCNABB, WILLIAM R PIN: 2714-38-3837 D.B. 8098, PG. 206

13 KILLETTE, PHILLIP KILLETTE, LINDA W PIN: 2714-29-9043 D.B. 8407, PG. 888

14 KILLETTE, PHILLIP KILLETTE, LINDA W PIN: 2714-28-6726 D.B. 8407, PG. 876

15 CRENSHAW, BARRY A PIN: 2714-28-2739 D.B. 8434, PG. 1792

16 HOAD, RYAN PATRICK HOAD, JAMIE LEIGH PIN: 2714-18-9947 D.B. 14710, PG. 1017

17 SMITH, KENNETH R SMITH, TONYA K PIN: 2714-19-7170 D.B. 9312, PG. 1963

18 BRODEUR, MADELINE PIN: 2714-19-5099 D.B. 11351, PG. 463

19 HINNANT, HULEY JR HINNANT, GERALDINE PIN: 2714-19-4057 D.B. 9115, PG. 106

20 FOUNTAIN, JAMES I III FOUNTAIN, LAURA E PIN: 2714-19-3007 D.B. 15985, PG. 1274

21 KIRIAZES, KENNETH E KIRIAZES, MARIE A PIN: 2714-19-1047 D.B. 9404, PG. 2496

22 SARNA, KERRY RICHARD PIN: 2714-09-8086 D.B. 12679, PG. 1130

23 GONZALEZ, ALFONSO GONZALES PIN: 2714-09-7005 D.B. 17117, PG. 139

24 NUNEZ, RICARDO RODRIGUEZ, ANGELICA MARIA PIN: 2714-08-5959

25 FOCA, KIMBERLY PIN: 2714-09-3190 D.B. 17931, PG. 15

26 OLIVERA, RAMON HERNANDEZ PIN: 2714-09-1017 D.B. 9063, PG. 640

27 HINTON, REBECCA H PIN: 2704-99-5359 D.B. 2244, PG. 189

28 HINTON, REBECCA H PIN: 2704-99-5359 D.B. 2244, PG. 189

29 PATE FAMILY I LTD PTNRP PIN: 2705-91-2377 D.B. 13664, PG. 2288

EXISTING CARROLL HEIGHTS ROAD

PROPERTY LINE (TYP.)

20' TYPE 'B' BUFFER

RETAINING WALL #1 (DESIGN BY OTHERS)

RETAINING WALL #6 (DESIGN BY OTHERS)

RETAINING WALL #3 (DESIGN BY OTHERS)

RETAINING WALL #5 (DESIGN BY OTHERS)

STORMWATER CONTROL MEASURE "A"

STORMWATER CONTROL MEASURE "H"

STORMWATER CONTROL MEASURE "G"

STORMWATER CONTROL MEASURE "F"

STORMWATER CONTROL MEASURE "E"

EX. 140' POWER EASEMENT

DAHOON COURT (50' PUBLIC R/W)

POND VISTA DRIVE (50' PUBLIC R/W)

CHAMBLEE MILL POND

ALLEY "11" (20' PRIVATE R/W)

ALLEY "10" (20' PRIVATE R/W)

BLUE ASH ROAD (50' PUBLIC R/W)

POCKET PARK "B" PASSIVE OPEN SPACE

CHAMBLEE LAKE AVENUE (65' PUBLIC R/W)

PROPOSED SEFTON PARK DRIVE (WITH SIDNEY CREEK DEVELOPMENT)

ALLEY "8" (20' PRIVATE R/W)

ALLEY "9" (20' PRIVATE R/W)

DOG PARK ACTIVE OPEN SPACE

CHAMPION TREE COURT (50' PUBLIC R/W)

TRAILS EDGE LANE (50' PUBLIC R/W)

STORMWATER CONTROL MEASURE "B"

STORMWATER CONTROL MEASURE "I"

EXISTING WETLAND (TYP.)

AMENITY CENTER (SUBMITTED UNDER SEPARATE COVER)

ALLEY "3" (20' PRIVATE R/W)

ALLEY "4" (20' PRIVATE R/W)

ALLEY "5" (20' PRIVATE R/W)

ALLEY "6" (20' PRIVATE R/W)

ALLEY "7" (20' PRIVATE R/W)

30' ENHANCED TYPE 'C' STREETSCAPE BUFFER

CHINKAPIN OAK WAY (50' PUBLIC R/W)

TOWNES POINTE WAY (50' PUBLIC R/W)

MILL VIEW STREET (50' PUBLIC R/W)

ALLEY "1A" (20' PRIVATE R/W)

ALLEY "1B" (20' PRIVATE R/W)

ALLEY "1" (20' PRIVATE R/W)

CHAMBLEE LAKE AVENUE (65' PUBLIC R/W)

ALLEY "2" (20' PRIVATE R/W)

RETAINING WALL #4 (DESIGN BY OTHERS)

POCKET PARK "A" PASSIVE (IMPROVED) OPEN SPACE

POCKET PARK "C" PASSIVE OPEN SPACE (NATURAL PARK)

WATERELM PLACE (50' PUBLIC R/W)

CONIFER WALK COURT (50' PUBLIC R/W)

STORMWATER CONTROL MEASURE "C"

STORMWATER CONTROL MEASURE "I"

EXISTING CHAMBLEE ROAD (60' PUBLIC R/W)

EXISTING PERRY CURTIS ROAD (60' PUBLIC R/W)

30' TYPE 'C' STREETSCAPE BUFFER

PROPOSED 100' RIGHT-OF-WAY (20' DEDICATION EACH SIDE)

RIDGE VALLEY WAY (50' PUBLIC R/W)

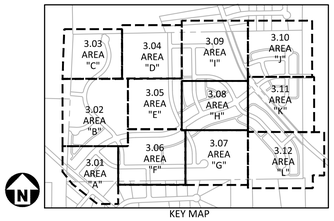
EXISTING RIDGE VALLEY WAY

EXISTING PERRY RIDGE COURT

EXISTING FIELD MEADOWS DRIVE

NOTE: CHAMBLEE ROAD OFFSITE IMPROVEMENTS SUBMITTED UNDER SEPARATE COVER (SEE OFFSITE IMPROVEMENTS DRAWINGS FOR REFERENCE)

NOTE: PERRY CURTIS ROAD OFFSITE IMPROVEMENTS SUBMITTED UNDER SEPARATE COVER (SEE OFFSITE IMPROVEMENTS DRAWINGS FOR REFERENCE)



KEY MAP

GRADING LEGEND

- FLARED END SECTION
- ENDWALL SECTION
- CATCH BASIN
- DROP INLET
- STORM SERVICE INLET
- STORM SERVICE ROOF-DRAIN
- JUNCTION BOX
- DRAINAGE FLOW ARROW
- LINE BREAK SYMBOL
- 250.50 / 250.00 — TOP & BOTTOM CURB ELEVATIONS
- TW=223.00 / BW=213.00 — TOP OF WALL ELEVATION / BOTTOM OF WALL ELEVATION (NOTE: BOTTOM OF WALL IS GROUND ELEVATION NOT WALL FOUNDATION)
- + 250.60 — SPOT ELEVATION
- STORM DRAINAGE
- STORM SERVICE LINE
- RD RD RD — ROOF DRAIN, 8" ADS NON-PERFORATED TUBING OR EQUAL 1.0% MIN. SLOPE 3' MIN. COVER PVC SCHEDULE 40 IN TRAFFIC AREAS
- TP TP TP — TREE PROTECTION FENCE
- LD LD — LIMITS OF DISTURBANCE
- WOODED AREA
- 250 — MAJOR CONTOUR
- 252 — MINOR CONTOUR
- 250 — EXISTING MAJOR CONTOUR
- 252 — EXISTING MINOR CONTOUR
- EASEMENT LINE
- ACCESSIBLE PARKING AREA (2% MAX. SLOPE IN ALL DIRECTIONS)

GRAPHIC SCALE
0 75 150 300
1 INCH = 150 FT.

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER RYAN K. BARKER
PRELIMINARY NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-OAG1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=150'
DATE	05. 24. 2024

SHEET

OVERALL GRADING & STORM DRAINAGE PLAN
C3.00

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawing\Current Drawing\DRH22004-OAG1.dwg, 7/23/2024 5:19:11 PM, Zach Lee

CB–331
T/C=326.70
INV IN=323.00 (CB–332)
INV IN=313.40 (CB–342)
INV OUT=313.30

CB–332
T/C=330.01
INV IN=326.05 (CB–334)
INV IN=326.30 (CB–333)
INV OUT=325.80

CB–333
T/C=330.01
INV OUT=326.50

CB–334
T/C=334.20
INV IN=330.50 (CB–336)
INV IN=330.60 (CB–335)
INV OUT=330.20

CB–335
T/C=334.20
INV OUT=330.80

CB–336
T/C=335.36
INV IN=331.80 (CB–338)
INV IN=331.80 (CB–337)
INV OUT=331.55

CB–337
T/C=335.39
INV OUT=332.00

CB–339
T/C=337.50
INV OUT=334.10

CB–340
T/C=341.58
INV IN=338.00 (CB–341)
INV OUT=337.90

CB–341
T/C=341.58
INV OUT=338.20

CB–342
T/C=326.48
INV IN=313.65 (DI–343)
INV OUT=313.55

CB–344
T/C=324.99
INV IN=314.25 (CB–346)
INV IN=321.40 (CB–345)
INV OUT=314.15

CB–352
T/C=328.75
INV IN=325.00 (CB–354)
INV IN=325.15 (CB–353)
INV OUT=324.70

CB–353
T/C=328.69
INV OUT=325.30

CB–354
T/C=329.98
INV IN=326.20 (CB–356)
INV IN=326.20 (CB–355)
INV OUT=326.10

CB–355
T/C=330.00
INV IN=326.60 (DI–358)
INV OUT=326.40

CB–356
T/C=331.20
INV OUT=327.40

CB–357
T/C=331.77
INV OUT=328.30

DI–324
T/G=336.19
INV IN=332.70 (DI–325)
INV OUT=332.40

DI–325
T/G=341.18
INV IN=337.80 (DI–327)
INV IN=337.80 (DI–326)
INV OUT=337.70

DI–326
T/G=341.93
INV OUT=338.50

DI–327
T/G=342.51
INV OUT=339.10

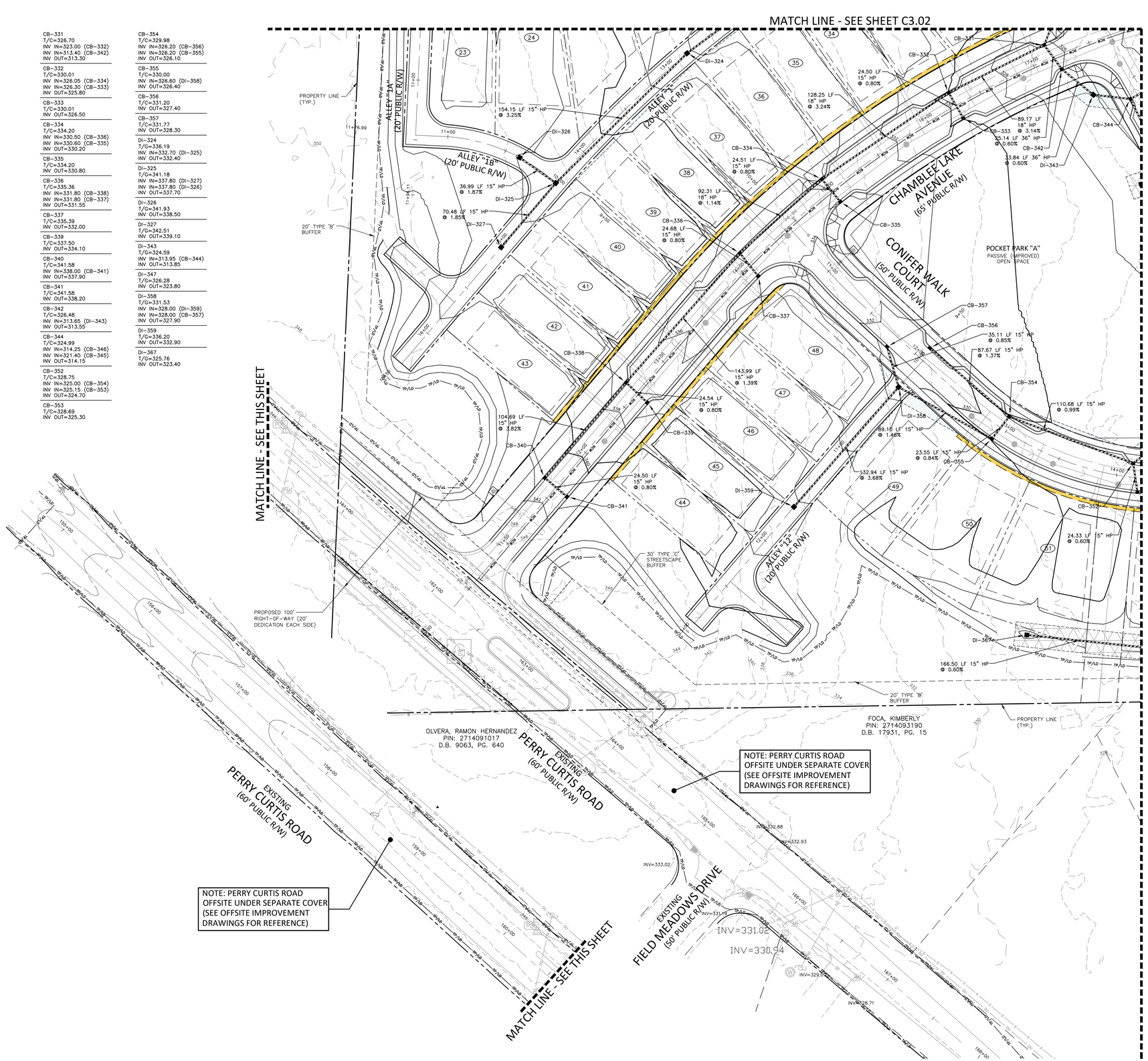
DI–343
T/G=324.59
INV IN=313.95 (CB–344)
INV OUT=313.85

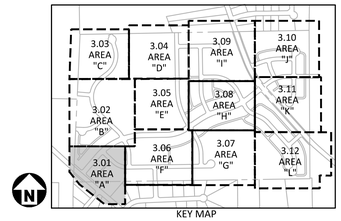
DI–347
T/G=326.28
INV OUT=323.80

DI–358
T/G=331.53
INV IN=328.00 (DI–359)
INV IN=328.00 (CB–357)
INV OUT=327.90

DI–359
T/G=336.20
INV OUT=332.90

DI–367
T/G=325.76
INV OUT=323.40





GRADING LEGEND

- FLARED END SECTION
- ENDWALL SECTION
- CATCH BASIN
- DROP INLET
- STORM SERVICE INLET
- STORM SERVICE ROOF–DRAIN
- JUNCTION BOX
- DRAINAGE FLOW ARROW
- LINE BREAK SYMBOL
- 250.50 / 250.00 — TOP & BOTTOM CURB ELEVATIONS
- TW=223.00 / BW=213.00 — TOP OF WALL ELEVATION / BOTTOM OF WALL ELEVATION (NOTE: BOTTOM OF WALL IS GROUND ELEVATION NOT WALL FOUNDATION)
- + 250.60 — SPOT ELEVATION
- STORM DRAINAGE
- STORM SERVICE LINE
- RD RD RD — ROOF DRAIN, 8" ADS NON–PERFORATED TUBING OR EQUAL 1.0% MIN. SLOPE 3' MIN. COVER PVC SCHEDULE 40 IN TRAFFIC AREAS
- TP TP TP — TREE PROTECTION FENCE
- LD LD — LIMITS OF DISTURBANCE
- WOODED AREA
- 250 — MAJOR CONTOUR
- 252 — MINOR CONTOUR
- 250 — EXISTING MAJOR CONTOUR
- 252 — EXISTING MINOR CONTOUR
- EASEMENT LINE
- ACCESSIBLE PARKING AREA (2% MAX. SLOPE IN ALL DIRECTIONS)

EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER RYAN K. BARKER — NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-G1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

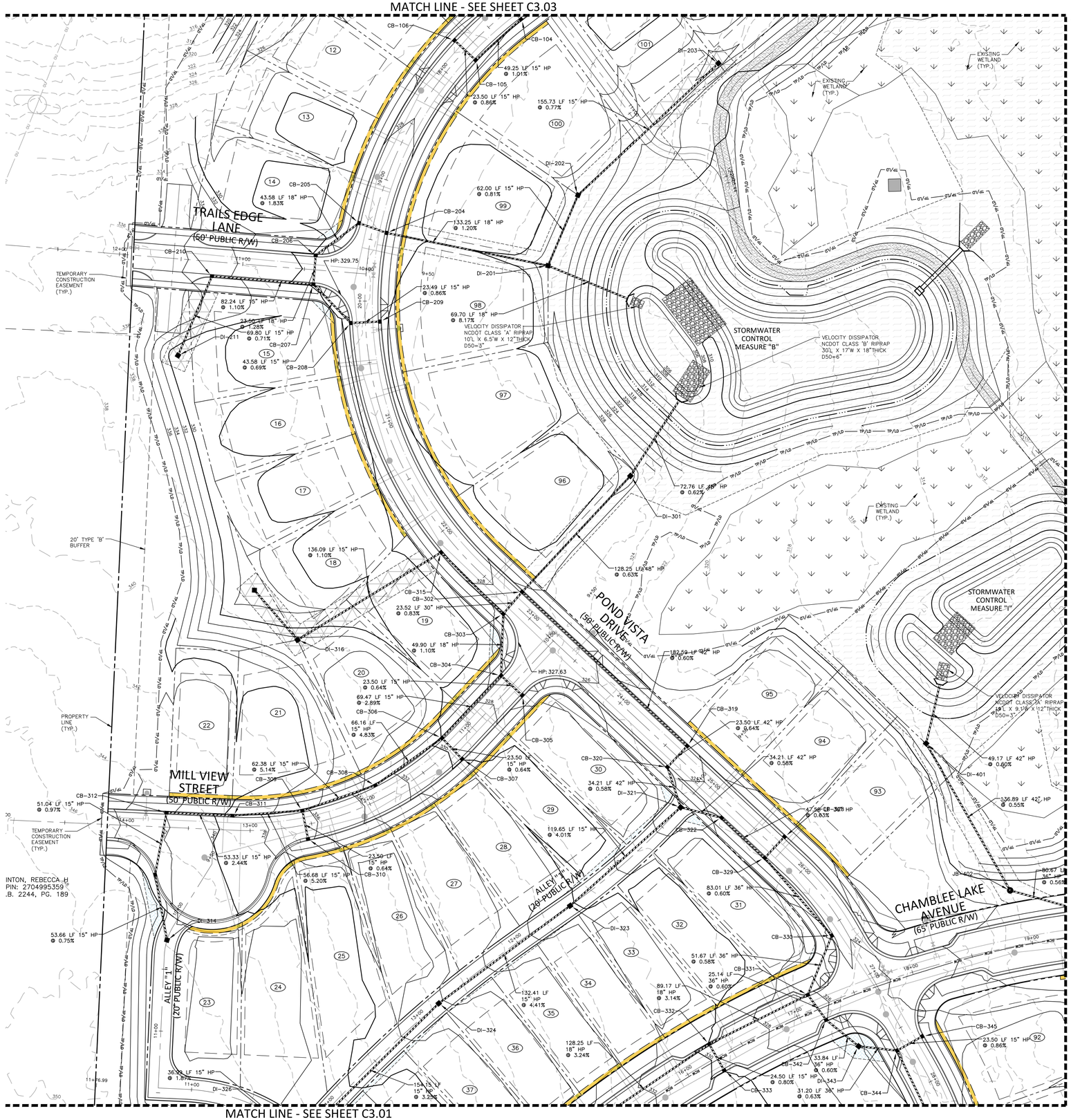
SHEET

GRADING PLAN AREA "A"

C3.01

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-G1.dwg, 7/23/2024 5:19:26 PM, Zach Lee

MATCH LINE - SEE SHEET C3.03



MATCH LINE - SEE SHEET C3.01

MATCH LINE - SEE SHEET C3.05

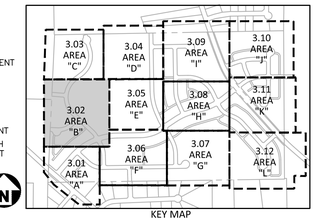
EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

GRAPHIC SCALE

0 20 40 80

1 inch = 40 ft.



KEY MAP

GRADING LEGEND

- FLARED END SECTION
- ENDWALL SECTION
- CATCH BASIN
- DROP INLET
- STORM SERVICE INLET
- STORM SERVICE ROOF–DRAIN
- JUNCTION BOX
- DRAINAGE FLOW ARROW
- LINE BREAK SYMBOL
- 250.50 / 250.00 — TOP & BOTTOM CURB ELEVATIONS
- TW=223.00 / BW=213.00 — TOP OF WALL ELEVATION / BOTTOM OF WALL ELEVATION (NOTE: BOTTOM OF WALL IS GROUND ELEVATION NOT WALL FOUNDATION)
- + 250.60 — SPOT ELEVATION
- STORM DRAINAGE
- STORM SERVICE LINE
- RD RD RD — ROOF DRAIN, 8" ADS NON–PERFORATED TUBING OR EQUAL 1.0% MIN. SLOPE 3' MIN. COVER PVC SCHEDULE 40 IN TRAFFIC AREAS
- TP TP TP — TREE PROTECTION FENCE
- LD LD — LIMITS OF DISTURBANCE
- WOODED AREA
- 250 — MAJOR CONTOUR
- 252 — MINOR CONTOUR
- 250 — EXISTING MAJOR CONTOUR
- 252 — EXISTING MINOR CONTOUR
- EASEMENT LINE
- ACCESSIBLE PARKING AREA (2% MAX. SLOPE IN ALL DIRECTIONS)

CB–104
T/C=328.18
INV IN=319.50 (CB–105)
INV OUT=319.40

CB–105
T/C=327.86
INV IN=320.10 (CB–106)
INV OUT=320.00

CB–106
T/C=327.86
INV OUT=320.30

CB–204
T/C=329.19
INV IN=318.30 (CB–205)
INV OUT=318.00

CB–205
T/C=329.15
INV IN=322.20 (CB–206)
INV OUT=318.60

CB–206
T/C=329.96
INV IN=323.30 (CB–207)
INV OUT=323.00

CB–207
T/C=329.96
INV IN=325.90 (CB–208)
INV IN=323.90 (CB–210)
INV OUT=323.60

CB–208
T/C=329.77
INV IN=326.30 (CB–209)
INV OUT=326.20

CB–209
T/C=329.77
INV OUT=326.50

CB–210
T/C=333.20
INV IN=325.10 (DI–211)
INV OUT=324.80

CB–302
T/C=327.84
INV IN=309.95 (CB–319)
INV IN=313.00 (CB–303)
INV OUT=309.85

CB–303
T/C=327.82
INV IN=323.10 (CB–304)
INV IN=320.40 (CB–315)
INV OUT=313.20

CB–304
T/C=327.64
INV IN=323.90 (CB–306)
INV IN=324.15 (CB–305)
INV OUT=323.65

CB–305
T/C=327.64
INV OUT=324.30

CB–306
T/C=330.02
INV IN=326.60 (CB–308)
INV IN=326.45 (CB–307)
INV OUT=325.90

CB–307
T/C=330.01
INV OUT=326.60

CB–308
T/C=333.44
INV IN=329.90 (CB–309)
INV OUT=329.80

CB–309
T/C=336.73
INV IN=333.25 (CB–311)
INV IN=333.25 (CB–310)
INV OUT=333.10

CB–310
T/C=336.73
INV OUT=333.40

CB–311
T/C=339.71
INV IN=336.30 (CB–312)
INV OUT=336.20

CB–312
T/C=342.37
INV IN=337.70 (CB–313)
INV OUT=337.60

CB–319
T/C=324.71
INV IN=311.15 (CB–320)
INV OUT=311.05

CB–320
T/C=324.71
INV IN=311.40 (DI–321)
INV OUT=311.30

CB–322
T/C=323.72
INV IN=312.00 (CB–329)
INV OUT=311.90

CB–328
T/C=323.42
INV OUT=320.10

CB–329
T/C=323.42
INV IN=312.40 (CB–330)
INV IN=319.90 (CB–328)
INV OUT=312.30

CB–330
T/C=324.10
INV IN=313.00 (CB–331)
INV OUT=312.90

CB–331
T/C=326.70
INV IN=323.00 (CB–332)
INV IN=313.40 (CB–342)
INV OUT=313.30

CB–332
T/C=330.01
INV IN=326.05 (CB–334)
INV IN=326.30 (CB–333)
INV OUT=325.80

CB–333
T/C=330.01
INV OUT=326.50

CB–342
T/C=326.48
INV IN=313.65 (DI–343)
INV OUT=313.55

CB–344
T/C=324.99
INV IN=314.25 (CB–346)
INV IN=321.40 (CB–345)
INV OUT=314.15

CB–345
T/C=324.99
INV OUT=321.60

DI–201
T/C=326.24
INV IN=316.40 (CB–204)
INV IN=319.40 (DI–202)
INV OUT=315.70

DI–202
T/G=326.59
INV IN=320.00 (DI–203)
INV OUT=319.90

DI–203
T/G=323.53
INV OUT=321.20

DI–211
T/G=328.02
INV OUT=325.60

DI–301
T/G=327.45
INV IN=309.05 (CB–302)
INV OUT=308.95

DI–314
T/G=342.20
INV OUT=338.70

DI–316
T/G=332.12
INV IN=323.60 (DI–317)
INV OUT=323.50

DI–321
T/G=324.74
INV IN=311.70 (CB–322)
INV IN=321.25 (DI–323)
INV OUT=311.60

DI–323
T/G=330.18
INV IN=326.55 (DI–324)
INV OUT=326.05

DI–324
T/G=336.19
INV IN=332.70 (DI–325)
INV OUT=332.40

DI–325
T/G=341.18
INV IN=337.80 (DI–327)
INV IN=337.80 (DI–326)
INV OUT=337.70

DI–326
T/G=341.93
INV OUT=338.50

DI–327
T/G=342.51
INV OUT=339.10

DI–343
T/G=324.59
INV IN=313.95 (CB–344)
INV OUT=313.85

DI–401
T/G=315.50
INV IN=309.50 (JB–402)
INV OUT=309.40

JB–402
RIM=321.00
INV IN=310.35 (CB–403)
INV OUT=310.25

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 049483 ENGINEER: RYAN K. BARKER NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-G1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

SHEET

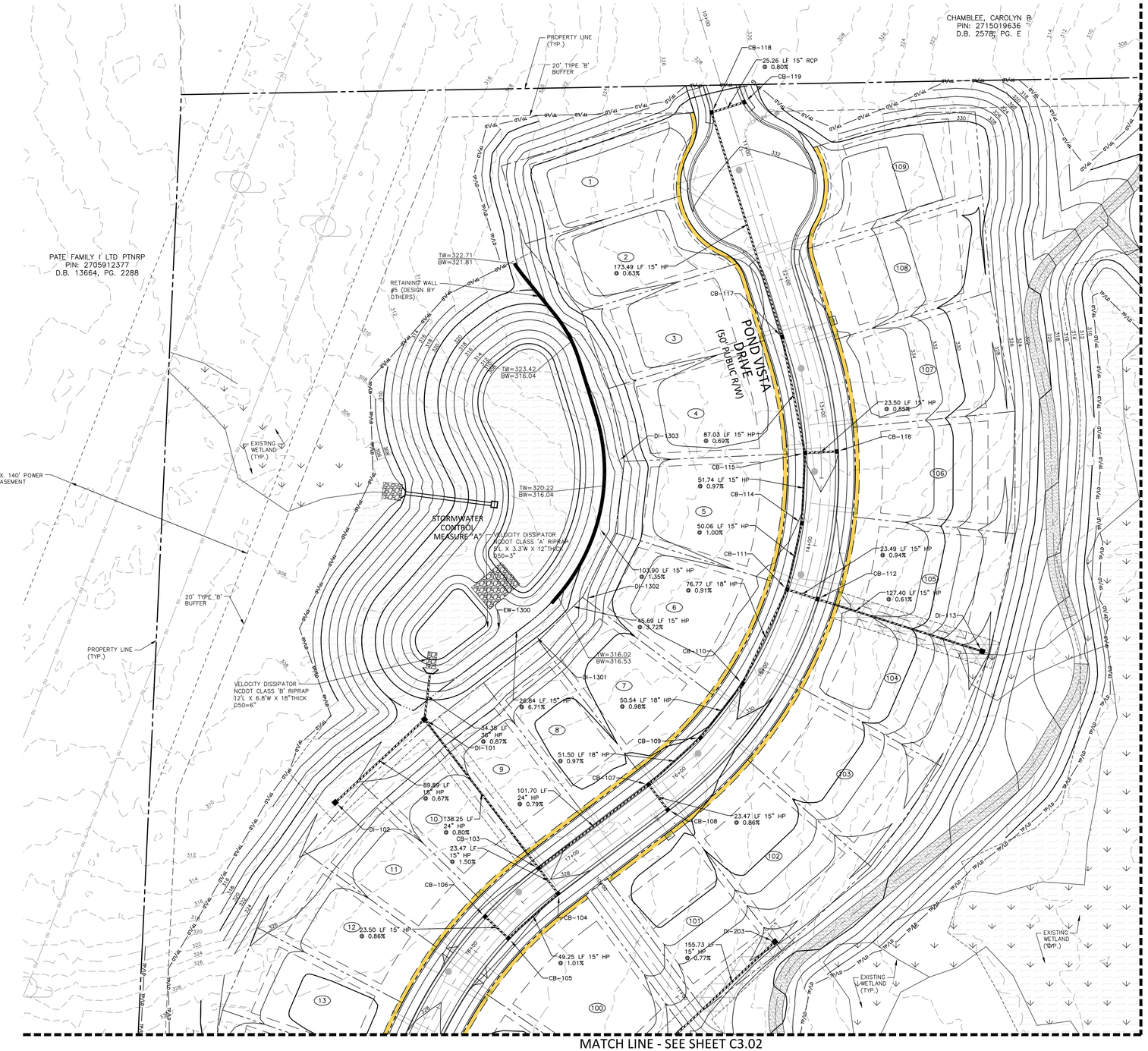
GRADING PLAN AREA "B"

C3.02

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

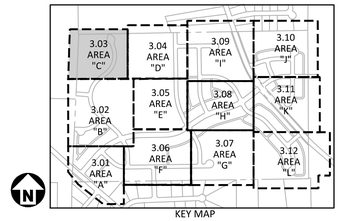
FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

X:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-G1.dwg, 7/23/2024 5:19:30 PM, Zach Lee



MATCH LINE - SEE SHEET C3.04

MATCH LINE - SEE SHEET C3.02



KEY MAP

GRADING LEGEND

- FLARED END SECTION
- ENDWALL SECTION
- CATCH BASIN
- DROP INLET
- STORM SERVICE INLET
- STORM SERVICE ROOF-DRAIN
- JUNCTION BOX
- DRAINAGE FLOW ARROW
- LINE BREAK SYMBOL
- 250.50 / 250.00 — TOP & BOTTOM CURB ELEVATIONS
- TW=223.00 / BW=213.00 — TOP OF WALL ELEVATION / BOTTOM OF WALL ELEVATION (NOTE: BOTTOM OF WALL IS GROUND ELEVATION NOT WALL FOUNDATION)
- + 250.60 — SPOT ELEVATION
- STORM DRAINAGE
- STORM SERVICE LINE
- RD — RD — RD — ROOF DRAIN, 8" ADS NON-PERFORATED TUBING OR EQUAL 1.0% MIN. SLOPE 3' MIN. COVER PVC SCHEDULE 40 IN TRAFFIC AREAS
- TP — TP — TP — TREE PROTECTION FENCE
- LD — LD — LIMITS OF DISTURBANCE
- WOODED AREA
- 250 — MAJOR CONTOUR
- 252 — MINOR CONTOUR
- 250 — EXISTING MAJOR CONTOUR
- 252 — EXISTING MINOR CONTOUR
- EASEMENT LINE
- ACCESSIBLE PARKING AREA (2% MAX. SLOPE IN ALL DIRECTIONS)

EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

CB-103
T/C=328.18
INV IN=319.20 (CB-107)
INV IN=319.05 (CB-104)
INV OUT=318.20

CB-104
T/C=328.18
INV IN=319.50 (CB-105)
INV OUT=319.40

CB-105
T/C=327.86
INV IN=320.10 (CB-106)
INV OUT=320.00

CB-106
T/C=327.86
INV OUT=320.30

CB-107
T/C=329.30
INV IN=320.60 (CB-109)
INV IN=321.30 (CB-108)
INV OUT=320.00

CB-108
T/C=329.30
INV OUT=321.50

CB-109
T/C=329.89
INV IN=321.20 (CB-110)
INV OUT=321.10

CB-110
T/C=330.47
INV IN=321.80 (CB-111)
INV OUT=321.70

CB-111
T/C=331.35
INV IN=322.80 (CB-114)
INV IN=322.90 (CB-112)
INV OUT=322.50

CB-112
T/C=331.35
INV IN=324.52 (DI-113)
INV OUT=323.12

CB-114
T/C=331.93
INV IN=323.40 (CB-115)
INV OUT=323.30

CB-115
T/C=332.52
INV IN=324.00 (CB-117)
INV IN=324.00 (CB-116)
INV OUT=323.90

CB-116
T/C=332.52
INV OUT=324.20

CB-117
T/C=333.52
INV IN=324.70 (CB-118)
INV OUT=324.60

CB-118
T/C=330.94
INV IN=326.40 (CB-119)
INV OUT=325.80

CB-119
T/C=330.93
INV OUT=326.60

DI-101
T/G=327.32
INV IN=317.10 (CB-103)
INV IN=322.10 (DI-102)
INV OUT=314.30

DI-102
T/G=327.02
INV OUT=322.70

DI-113
T/G=329.64
INV OUT=325.30

DI-203
T/G=323.53
INV OUT=321.20

DI-1301
T/G=325.64
INV IN=322.80 (DI-1302)
INV OUT=315.80

DI-1302
T/G=327.45
INV IN=324.60 (DI-1303)
INV OUT=324.50

DI-1303
T/G=328.86
INV OUT=326.00

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

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-G1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

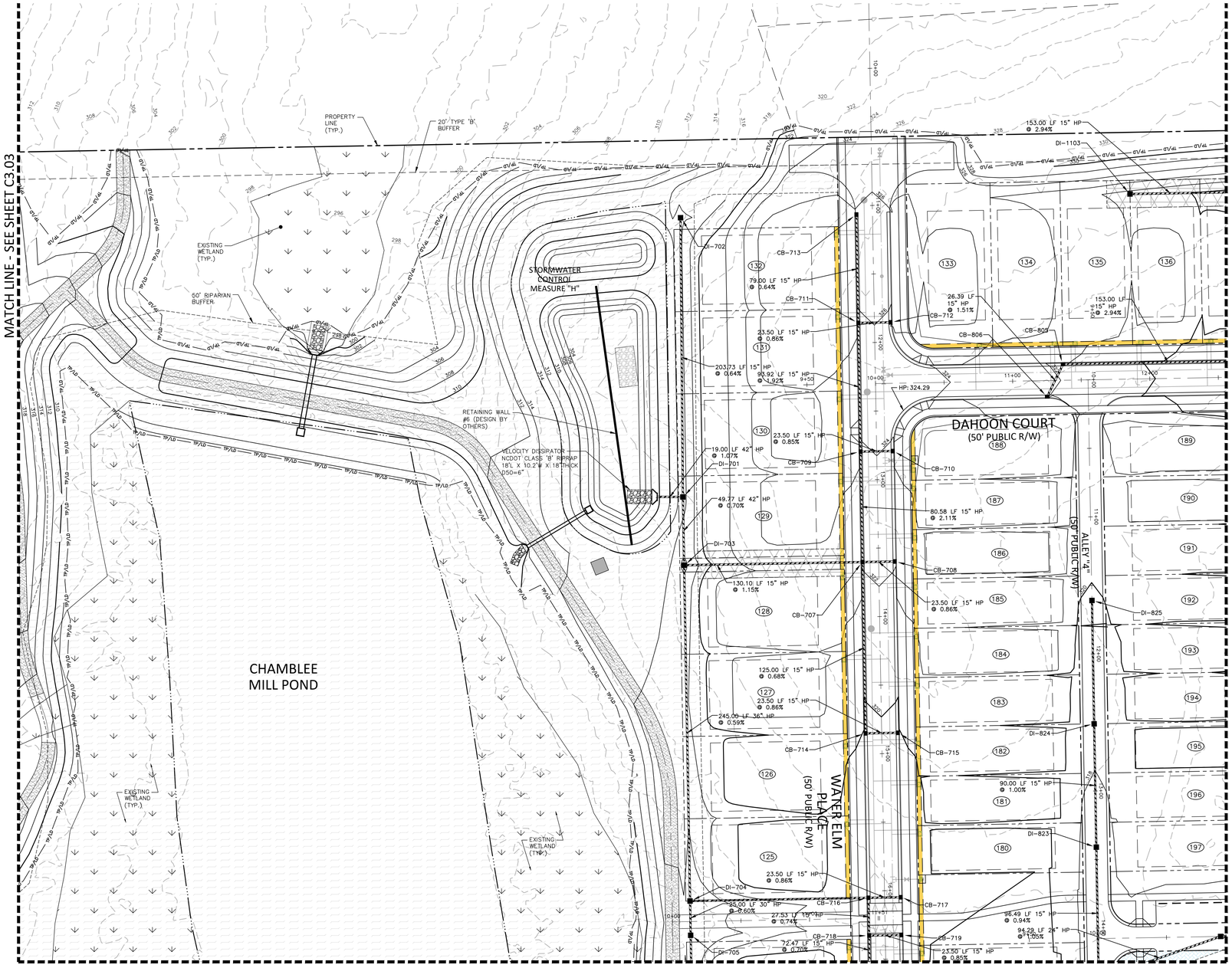
SHEET

GRADING PLAN AREA "C"

C3.03

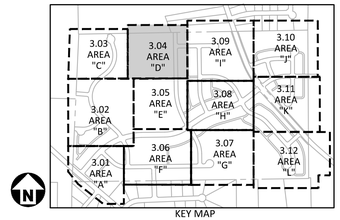
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 049483 ROBIN K. BARKER
NOT FOR CONSTRUCTION

X:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-G1.dwg, 7/23/2024 5:19:34 PM, Zach Lee



MATCH LINE - SEE SHEET C3.05

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



KEY MAP

GRADING LEGEND

- FLARED END SECTION
- ENDWALL SECTION
- CATCH BASIN
- DROP INLET
- STORM SERVICE INLET
- STORM SERVICE ROOF–DRAIN
- JUNCTION BOX
- DRAINAGE FLOW ARROW
- LINE BREAK SYMBOL
- 250.50 / 250.00 — TOP & BOTTOM CURB ELEVATIONS
- TW=223.00 / BW=213.00 — TOP OF WALL ELEVATION / BOTTOM OF WALL ELEVATION (NOTE: BOTTOM OF WALL IS GROUND ELEVATION NOT WALL FOUNDATION)
- + 250.60 — SPOT ELEVATION
- STORM DRAINAGE
- STORM SERVICE LINE
- RD RD RD — ROOF DRAIN, 8" ADS NON–PERFORATED TUBING OR EQUAL 1.0% MIN. SLOPE 3' MIN. COVER PVC SCHEDULE 40 IN TRAFFIC AREAS
- TP TP TP — TREE PROTECTION FENCE
- LD LD — LIMITS OF DISTURBANCE
- WOODED AREA
- 250 — MAJOR CONTOUR
- 252 — MINOR CONTOUR
- 250 — EXISTING MAJOR CONTOUR
- 252 — EXISTING MINOR CONTOUR
- EASEMENT LINE
- ACCESSIBLE PARKING AREA (2% MAX. SLOPE IN ALL DIRECTIONS)

EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

CB–707
T/C=322.58
INV IN=316.30 (CB–709)
INV IN=316.20 (CB–708)
INV IN=313.55 (CB–714)
INV OUT=313.15

CB–708
T/C=322.58
INV OUT=316.40

CB–709
T/C=324.27
INV IN=318.10 (CB–711)
INV IN=318.10 (CB–710)
INV OUT=318.00

CB–710
T/C=324.27
INV OUT=318.30

CB–711
T/C=326.24
INV IN=320.00 (CB–712)
INV IN=322.60 (CB–713)
INV OUT=319.90

CB–712
T/C=326.24
INV OUT=320.20

CB–713
T/C=326.53
INV OUT=323.10

CB–714
T/C=319.96
INV IN=314.50 (CB–715)
INV OUT=314.40

CB–715
T/C=319.96
INV OUT=314.70

CB–716
T/C=318.77
INV IN=315.00 (CB–718)
INV IN=315.20 (CB–717)
INV OUT=314.90

CB–717
T/C=318.77
INV OUT=315.40

CB–718
T/C=318.82
INV IN=315.30 (CB–719)
INV IN=315.40 (CB–720)
INV OUT=315.20

CB–719
T/C=318.82
INV OUT=315.50

CB–805
T/C=322.15
INV IN=315.80 (CB–806)
INV OUT=315.70

CB–806
T/C=322.49
INV OUT=316.20

DI–701
T/G=315.22
INV IN=308.95 (DI–703)
INV IN=312.10 (DI–702)
INV OUT=308.80

DI–702
T/G=315.81
INV OUT=313.40

DI–703
T/G=315.87
INV IN=311.65 (CB–707)
INV IN=309.40 (DI–704)
INV OUT=309.30

DI–704
T/G=314.95
INV IN=310.95 (DI–705)
INV IN=312.65 (CB–716)
INV OUT=310.85

DI–705
T/G=314.70
INV IN=311.20 (DI–706)
INV OUT=311.10

DI–706
T/G=315.92
INV IN=312.45 (CB–723)
INV OUT=312.35

DI–821
T/G=316.11
INV IN=311.40 (DI–822)
INV OUT=311.30

DI–823
T/G=317.51
INV IN=314.00 (DI–824)
INV OUT=313.90

DI–824
T/G=318.44
INV IN=315.00 (DI–825)
INV OUT=314.90

DI–825
T/G=319.80
INV OUT=316.40

DI–1103
T/G=321.16
INV OUT=318.50

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 049483 RYAN K. BARKER

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

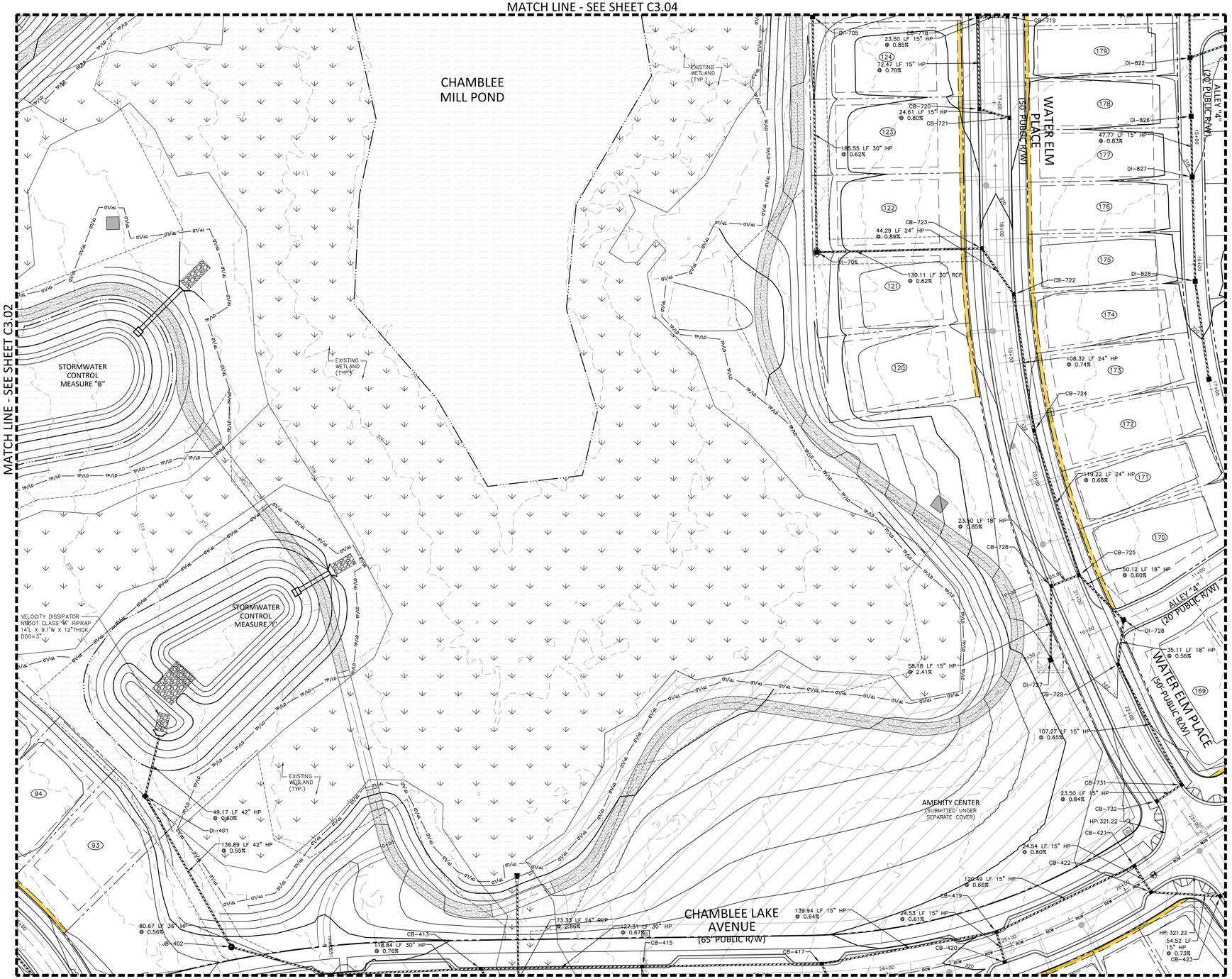
PLAN INFORMATION

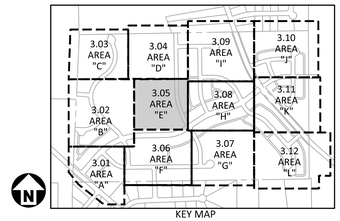
PROJECT NO.	DRH22004
FILENAME	DRH22004-G1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

SHEET

GRADING PLAN AREA "D"
C3.04

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-G1.dwg, 7/23/2024 5:19:37 PM, Zach Lee





KEY MAP

GRADING LEGEND

- FLARED END SECTION
- ENDWALL SECTION
- CATCH BASIN
- DROP INLET
- STORM SERVICE INLET
- STORM SERVICE ROOF–DRAIN
- JUNCTION BOX
- DRAINAGE FLOW ARROW
- LINE BREAK SYMBOL
- 250.50 / 250.00 — TOP & BOTTOM CURB ELEVATIONS
- TW=223.00 — TOP OF WALL ELEVATION
  BW=213.00 — BOTTOM OF WALL ELEVATION (NOTE: BOTTOM OF WALL IS GROUND ELEVATION NOT WALL FOUNDATION)
- + 250.60 — SPOT ELEVATION
- STORM DRAINAGE
- STORM SERVICE LINE
- RD RD RD — ROOF DRAIN, 8" ADS NON–PERFORATED TUBING OR EQUAL 1.0% MIN. SLOPE 3' MIN. COVER PVC SCHEDULE 40 IN TRAFFIC AREAS
- TP TP TP — TREE PROTECTION FENCE
- LD LD — LIMITS OF DISTURBANCE
- WOODED AREA
- 250 — MAJOR CONTOUR
- 252 — MINOR CONTOUR
- 250 — EXISTING MAJOR CONTOUR
- 252 — EXISTING MINOR CONTOUR
- EASEMENT LINE
- ACCESSIBLE PARKING AREA (2% MAX. SLOPE IN ALL DIRECTIONS)

CB–413 T/C=319.10 INV IN=311.90 (CB–415) INV IN=313.30 (CB–414) INV OUT=311.80	CB–723 T/C=320.67 INV IN=313.50 (CB–722) INV OUT=313.25
CB–415 T/C=318.54 INV IN=313.30 (CB–417) INV IN=312.85 (CB–415A) INV OUT=312.75	CB–724 T/C=322.29 INV IN=314.90 (CB–725) INV OUT=314.80
CB–417 T/C=319.24 INV IN=314.40 (CB–419) INV IN=314.70 (CB–418) INV OUT=314.20	CB–725 T/C=323.12 INV IN=316.05 (DI–728) INV IN=316.05 (CB–726) INV OUT=315.70
CB–419 T/C=320.68 INV IN=315.50 (CB–421) INV IN=315.55 (CB–420) INV OUT=315.30	CB–726 T/C=323.12 INV IN=316.75 (DI–727) INV OUT=316.25
CB–420 T/C=320.66 INV OUT=315.70	CB–729 T/C=322.45 INV IN=316.75 (CB–731) INV OUT=316.65
CB–421 T/C=321.39 INV IN=316.40 (CB–422) INV OUT=316.30	CB–731 T/C=321.35 INV IN=317.55 (CB–732) INV OUT=317.45
CB–422 T/C=321.39 INV IN=316.70 (CB–423) INV OUT=316.60	CB–732 T/C=321.35 INV OUT=317.75
CB–423 T/C=321.35 INV IN=317.20 (CB–424) INV OUT=317.10	DI–401 T/G=315.50 INV IN=309.50 (JB–402) INV OUT=309.40
CB–718 T/C=318.82 INV IN=315.30 (CB–719) INV IN=315.40 (CB–720) INV OUT=315.20	DI–705 T/G=314.70 INV IN=311.20 (DI–706) INV OUT=311.10
CB–719 T/C=318.82 INV OUT=315.50	DI–706 T/G=315.92 INV IN=312.45 (CB–723) INV OUT=312.35
CB–720 T/C=319.47 INV IN=316.00 (CB–721) INV OUT=315.90	DI–727 T/G=321.00 INV OUT=318.15
CB–721 T/C=319.55 INV OUT=316.20	DI–728 T/G=323.04 INV IN=316.45 (CB–729) INV OUT=316.35
CB–722 T/C=321.08 INV IN=314.00 (CB–724) INV OUT=313.90	JB–402 RIM=321.00 INV IN=310.35 (CB–403) INV OUT=310.25

EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

N

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

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 049483 RYAN K. BARKER

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

PLAN INFORMATION

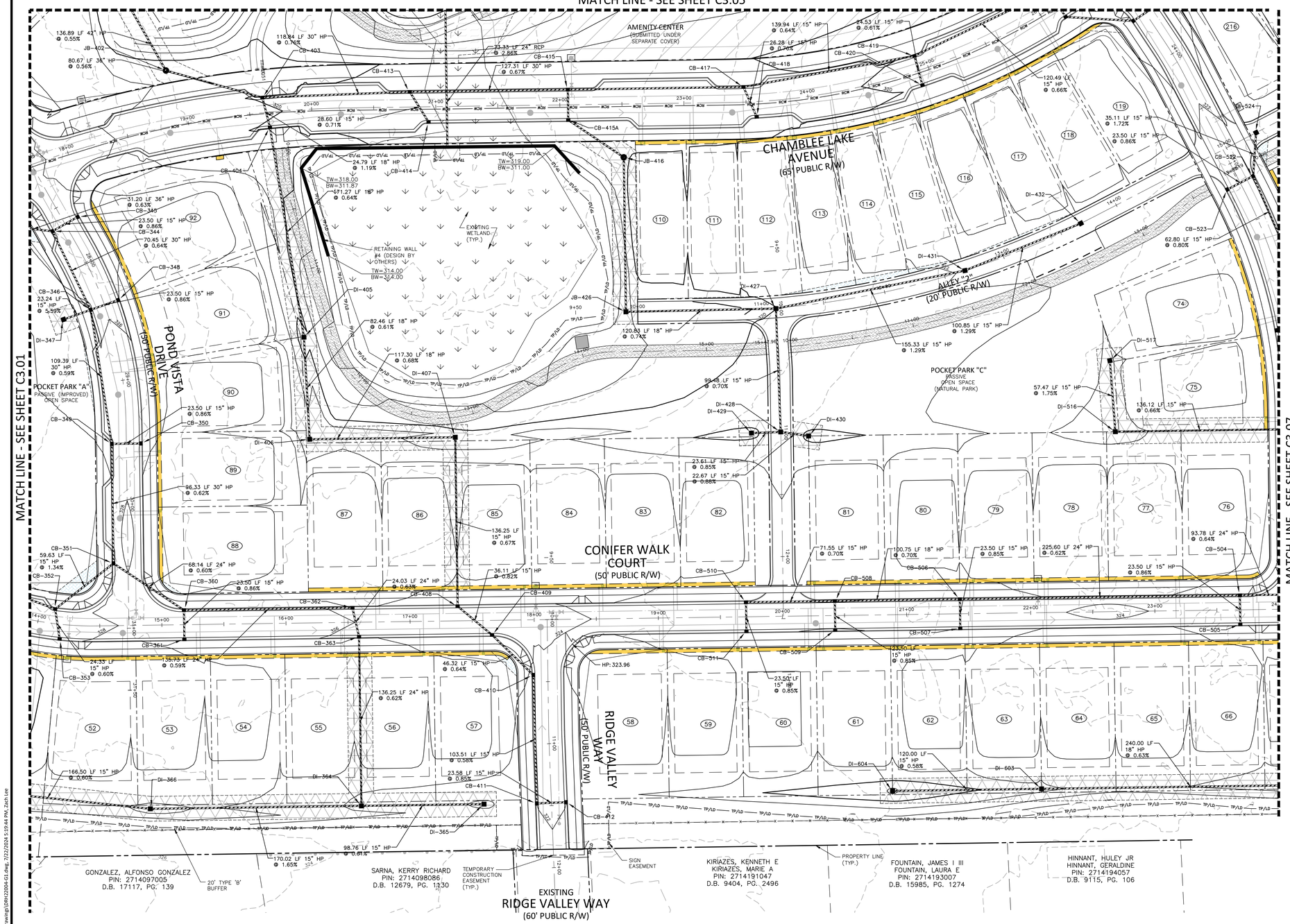
PROJECT NO.	DRH22004
FILENAME	DRH22004-G1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

SHEET

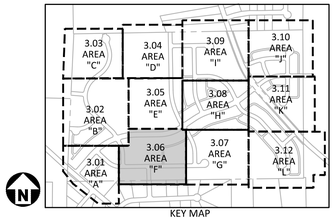
GRADING PLAN AREA "E"

C3.05

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-G1.dwg, 7/22/2024 5:19:41 PM, Zach Lee



CB–344 T/C=324.99 INV IN=314.25 (CB–346) INV IN=321.40 (CB–345) INV OUT=314.15	CB–351 T/C=328.25 INV IN=323.90 (CB–352) INV IN=316.25 (CB–360) INV OUT=316.15	CB–363 T/C=326.17 INV IN=317.90 (DI–364) INV OUT=317.80	CB–411 T/C=322.49 INV IN=318.80 (CB–412) INV OUT=318.70	CB–418 T/C=319.33 INV OUT=314.90	CB–507 T/C=323.29 INV OUT=319.90	DI–364 T/G=323.80 INV IN=319.55 (DI–366) INV IN=318.85 (DI–365) INV OUT=318.75	DI–516 T/G=320.26 INV IN=318.00 (DI–517) INV OUT=317.90	DI–427 T/G=319.99 INV IN=315.80 (DI–428) INV IN=316.50 (DI–431) INV OUT=315.40
CB–345 T/C=324.99 INV OUT=321.60	CB–352 T/C=328.75 INV IN=325.00 (CB–354) INV IN=325.15 (CB–353) INV OUT=324.70	CB–403 T/C=320.36 INV IN=310.90 (CB–413) INV IN=313.10 (CB–404) INV OUT=310.80	CB–412 T/C=322.49 INV OUT=319.00	CB–419 T/C=320.68 INV IN=315.50 (CB–421) INV IN=315.55 (CB–420) INV OUT=315.30	CB–508 T/C=322.43 INV IN=318.60 (CB–510) INV IN=318.80 (CB–509) INV OUT=318.40	DI–365 T/G=321.73 INV OUT=319.45	DI–517 T/G=321.40 INV OUT=319.00	DI–428 T/G=321.31 INV IN=316.60 (DI–429) INV IN=316.60 (DI–430) INV OUT=316.50
CB–346 T/C=326.03 INV IN=314.80 (CB–349) INV IN=322.50 (DI–347) INV IN=322.40 (CB–346) INV OUT=314.70	CB–353 T/C=328.69 INV OUT=325.30	CB–404 T/C=320.31 INV IN=313.50 (DI–405) INV OUT=313.40	CB–413 T/C=319.10 INV IN=311.90 (CB–415) INV IN=313.30 (CB–414) INV OUT=311.80	CB–420 T/C=320.66 INV OUT=315.70	CB–509 T/C=322.43 INV OUT=319.00	DI–366 T/G=325.31 INV IN=322.40 (DI–367) INV OUT=322.30	DI–603 T/G=321.45 INV IN=314.90 (DI–604) INV OUT=314.60	DI–429 T/G=319.06 INV OUT=316.80
CB–348 T/C=326.03 INV OUT=322.60	CB–360 T/C=327.65 INV IN=316.75 (CB–362) INV IN=324.00 (CB–361) INV OUT=316.65	CB–408 T/C=325.33 INV IN=317.30 (CB–409) INV OUT=317.20	CB–414 T/C=318.98 INV OUT=313.50	CB–422 T/C=321.39 INV IN=316.70 (CB–423) INV OUT=316.60	CB–510 T/C=322.89 INV IN=319.20 (CB–511) INV OUT=319.10	DI–405 T/G=319.63 INV IN=314.70 (DI–406) INV OUT=314.60	DI–604 T/G=317.90 INV OUT=315.60	DI–430 T/G=319.09 INV OUT=316.80
CB–349 T/C=327.65 INV IN=315.55 (CB–351) INV IN=324.10 (CB–350) INV OUT=315.45	CB–361 T/C=327.65 INV OUT=324.20	CB–409 T/C=325.04 INV IN=317.70 (CB–410) INV OUT=317.60	CB–415 T/C=318.54 INV IN=313.30 (CB–417) INV IN=312.85 (CB–415A) INV OUT=312.75	CB–423 T/C=321.35 INV IN=317.20 (CB–424) INV OUT=317.10	CB–511 T/C=322.89 INV OUT=319.40	DI–406 T/G=322.72 INV IN=315.30 (DI–407) INV OUT=315.20	JB–402 RIM=321.00 INV IN=310.35 (CB–403) INV OUT=310.25	DI–431 T/G=322.10 INV IN=318.60 (DI–432) INV OUT=318.50
CB–350 T/C=327.65 INV OUT=324.30	CB–362 T/C=326.22 INV IN=317.65 (CB–363) INV IN=317.55	CB–410 T/C=323.90 INV IN=318.10 (CB–411) INV OUT=318.00	CB–417 T/C=319.24 INV IN=314.40 (CB–419) INV IN=314.70 (CB–418) INV OUT=314.20	CB–506 T/C=323.29 INV IN=319.70 (CB–507) INV IN=317.70 (CB–508) INV OUT=317.60	DI–347 T/G=326.28 INV OUT=323.80	DI–407 T/G=320.34 INV IN=316.30 (CB–408) INV OUT=316.10	JB–426 RIM=318.13	DI–432 T/G=323.36 INV OUT=319.90



KEY MAP

GRADING LEGEND

- FLARED END SECTION
- ENDWALL SECTION
- CATCH BASIN
- DROP INLET
- STORM SERVICE INLET
- STORM SERVICE ROOF–DRAIN
- JUNCTION BOX
- DRAINAGE FLOW ARROW
- LINE BREAK SYMBOL
- 250.50 / 250.00 — TOP & BOTTOM CURB ELEVATIONS
- TW=223.00 / BW=213.00 — TOP OF WALL ELEVATION / BOTTOM OF WALL ELEVATION (NOTE: BOTTOM OF WALL IS GROUND ELEVATION NOT WALL FOUNDATION)
- + 250.60 — SPOT ELEVATION
- STORM DRAINAGE
- STORM SERVICE LINE
- RD — RD — RD — ROOF DRAIN, 8" ADS NON–PERFORATED TUBING OR EQUAL 1.0% MIN. SLOPE 3' MIN. COVER PVC SCHEDULE 40 IN TRAFFIC AREAS
- TP — TP — TP — TREE PROTECTION FENCE
- LD — LD — LIMITS OF DISTURBANCE
- WOODED AREA
- 250 — MAJOR CONTOUR
- 252 — MINOR CONTOUR
- 250 — EXISTING MAJOR CONTOUR
- 252 — EXISTING MINOR CONTOUR
- EASEMENT LINE
- ACCESSIBLE PARKING AREA (2% MAX. SLOPE IN ALL DIRECTIONS)

EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 049483 ROBIN K. BARKER NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-G1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

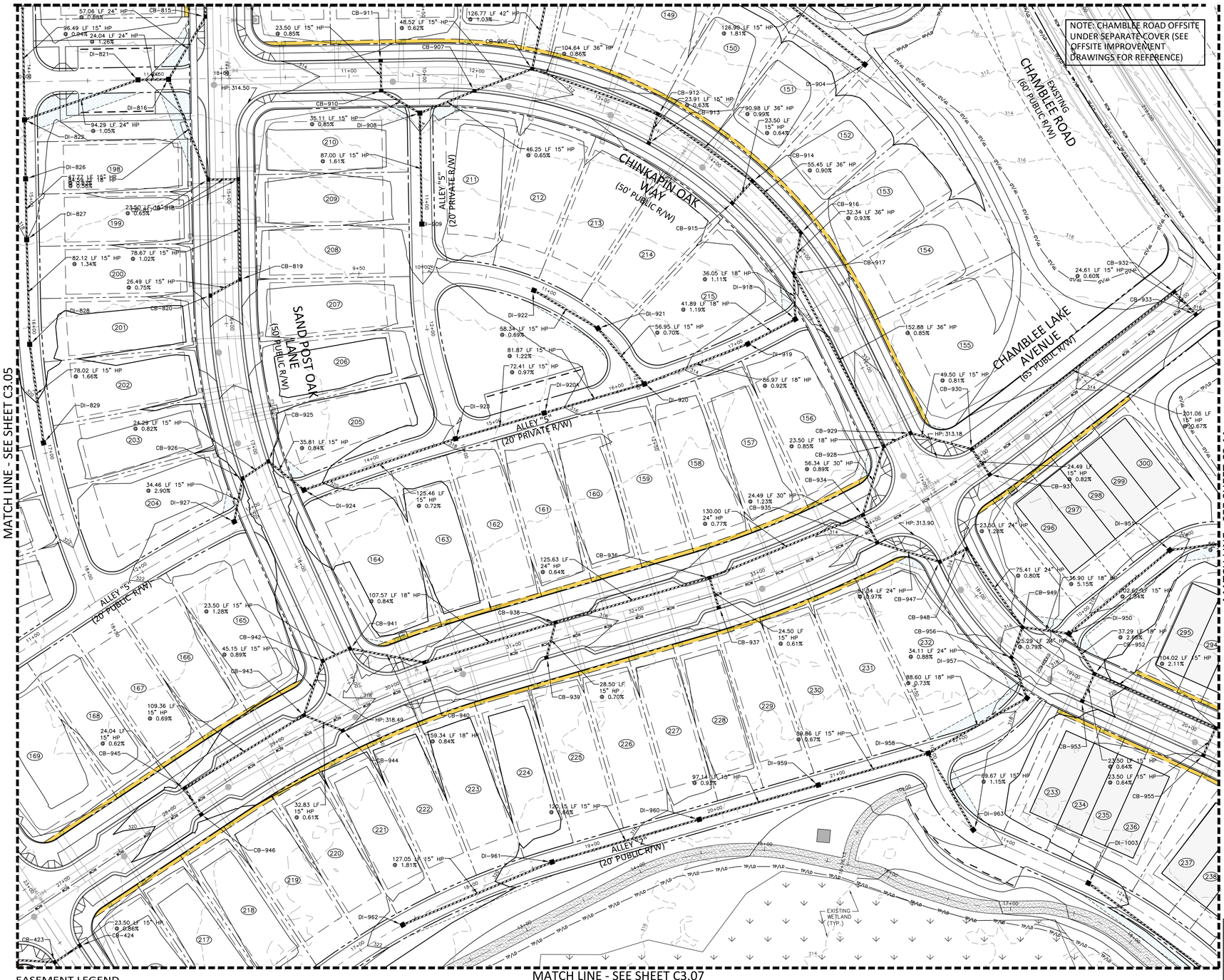
SHEET

GRADING PLAN AREA "F"

C3.06

X:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawing\DRH22004-G1.dwg, 7/23/2024 5:19:44 PM, Zach Lee

MATCH LINE - SEE SHEET C3.09



EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

GRADING LEGEND

- FLARED END SECTION
- ENDWALL SECTION
- CATCH BASIN
- DROP INLET
- STORM SERVICE INLET
- STORM SERVICE ROOF–DRAIN
- JUNCTION BOX
- DRAINAGE FLOW ARROW
- LINE BREAK SYMBOL
- 250.50 / 250.00 — TOP & BOTTOM CURB ELEVATIONS
- TW=223.00 / BW=213.00 — TOP OF WALL ELEVATION; BOTTOM OF WALL ELEVATION (NOTE: BOTTOM OF WALL IS GROUND ELEVATION NOT WALL FOUNDATION)
- + 250.60 — SPOT ELEVATION
- STORM DRAINAGE
- STORM SERVICE LINE
- RD—RD—RD — ROOF DRAIN, 8" ADS NON–PERFORATED TUBING OR EQUAL 1.0% MIN. SLOPE 3' MIN. COVER PVC SCHEDULE 40 IN TRAFFIC AREAS
- TP—TP—TP — TREE PROTECTION FENCE
- LD—LD — LIMITS OF DISTURBANCE
- WOODED AREA
- 250 — MAJOR CONTOUR
- 252 — MINOR CONTOUR
- 250 — EXISTING MAJOR CONTOUR
- 252 — EXISTING MINOR CONTOUR
- EASEMENT LINE
- ACCESSIBLE PARKING AREA (2% MAX. SLOPE IN ALL DIRECTIONS)

CB–423
T/C=321.35
INV IN=317.20 (CB–424)
INV OUT=317.10

CB–424
T/C=321.35
INV OUT=317.40

CB–815
T/C=315.57
INV IN=309.10 (DI–816)
INV OUT=308.80

CB–817
T/C=314.45
INV IN=310.90 (CB–818)
INV OUT=310.80

CB–818
T/C=314.45
INV IN=311.15 (CB–819)
INV OUT=311.05

CB–819
T/C=315.41
INV IN=312.05 (CB–820)
INV OUT=311.95

CB–820
T/C=315.73
INV OUT=312.25

CB–906
T/C=312.56
INV IN=300.40 (CB–912)
INV IN=306.50 (CB–907)
INV OUT=299.90

CB–907
T/C=312.98
INV IN=306.90 (DI–908)
INV OUT=306.80

CB–910
T/C=313.72
INV IN=307.70 (CB–911)
INV OUT=307.60

CB–911
T/C=313.72
INV OUT=307.90

CB–912
T/C=311.54
INV IN=301.60 (CB–914)
INV IN=304.85 (CB–913)
INV OUT=301.30

CB–913
T/C=311.50
INV OUT=305.00

CB–914
T/C=311.04
INV IN=302.90 (CB–916)
INV IN=304.45 (CB–915)
INV OUT=302.50

CB–915
T/C=311.04
INV OUT=304.60

CB–916
T/C=311.22
INV IN=303.70 (CB–917)
INV OUT=303.40

CB–917
T/C=311.42
INV IN=304.30 (CB–928)
INV IN=307.30 (DI–918)
INV OUT=304.00

CB–925
T/C=319.89
INV IN=313.60 (CB–926)
INV OUT=313.50

CB–926
T/C=319.97
INV IN=316.20 (DI–927)
INV OUT=313.80

CB–928
T/C=312.97
INV IN=306.10 (CB–934)
INV IN=307.50 (CB–929)
INV OUT=305.60

CB–929
T/C=312.97
INV IN=307.80 (CB–930)
INV OUT=307.70

CB–930
T/C=313.32
INV IN=308.30 (CB–932)
INV IN=309.70 (CB–931)
INV OUT=308.20

CB–931
T/C=313.32
INV OUT=309.90

CB–932
T/C=316.30
INV IN=309.75 (CB–933)
INV OUT=309.65

CB–933
T/C=316.34
INV OUT=309.90

CB–934
T/C=314.08
INV IN=307.00 (CB–935)
INV IN=307.50 (CB–936)
INV OUT=306.60

CB–935
T/C=314.09
INV IN=307.70 (CB–947)
INV OUT=307.30

CB–936
T/C=315.41
INV IN=308.60 (CB–938)
INV IN=309.25 (CB–937)
INV OUT=308.50

CB–937
T/C=315.41
INV OUT=309.40

CB–938
T/C=316.67
INV IN=309.90 (CB–940)
INV IN=310.20 (CB–939)
INV OUT=309.40

CB–939
T/C=316.81
INV OUT=310.40

CB–940
T/C=317.74
INV IN=310.90 (CB–941)
INV OUT=310.80

CB–941
T/C=318.63
INV IN=311.60 (CB–942)
INV OUT=311.40

CB–942
T/C=318.63
INV IN=312.00 (CB–943)
INV OUT=311.90

CB–943
T/C=318.75
INV IN=312.70 (CB–945)
INV IN=312.80 (CB–944)
INV OUT=312.40

CB–944
T/C=318.53
INV OUT=313.00

CB–945
T/C=319.83
INV IN=313.55 (CB–946)
INV OUT=313.45

CB–946
T/C=319.84
INV OUT=313.70

CB–947
T/C=314.14
INV IN=308.40 (CB–948)
INV OUT=308.20

CB–948
T/C=314.14
INV IN=309.10 (CB–949)
INV OUT=308.70

CB–949
T/C=316.54
INV IN=312.50 (DI–950)
INV IN=309.90 (CB–956)
INV OUT=309.70

CB–952
T/C=319.53
INV IN=315.70 (CB–954)
INV IN=315.55 (CB–953)
INV OUT=315.40

CB–953
T/C=319.53
INV OUT=315.70

CB–954
T/C=322.01
INV IN=318.05 (CB–955)
INV OUT=317.90

CB–955
T/C=322.01
INV OUT=318.20

CB–956
T/C=316.92
INV IN=310.20 (DI–957)
INV OUT=310.10

DI–816
T/G=315.64
INV IN=311.00 (DI–821)
INV IN=310.30 (CB–817)
INV OUT=309.60

DI–821
T/G=316.11
INV IN=311.40 (DI–822)
INV OUT=311.30

DI–822
T/G=317.34
INV IN=313.30 (DI–826)
INV IN=313.00 (DI–823)
INV OUT=312.40

DI–826
T/G=317.56
INV IN=314.20 (DI–827)
INV IN=313.80
INV OUT=313.80

DI–827
T/G=318.00
INV IN=314.70 (DI–828)
INV OUT=314.60

DI–828
T/G=319.22
INV IN=315.90 (DI–829)
INV OUT=315.80

DI–904
T/G=307.00
INV OUT=304.50

DI–908
T/G=313.75
INV IN=307.30 (CB–910)
INV IN=310.30 (DI–909)
INV OUT=307.20

DI–909
T/G=315.21
INV OUT=311.70

DI–918
T/G=312.14
INV IN=308.20 (DI–919)
INV OUT=307.70

DI–919
T/G=312.93
INV IN=309.00 (DI–920)
INV OUT=308.70

DI–920
T/G=314.68
INV IN=310.20 (DI–920A)
INV IN=310.70 (DI–921)
INV OUT=309.80

DI–920A
T/G=316.33
INV IN=311.40 (DI–923)
INV OUT=311.20

DI–921
T/G=314.89
INV IN=311.20 (DI–922)
INV OUT=311.10

DI–922
T/G=314.97
INV OUT=311.60

DI–923
T/G=317.79
INV IN=312.20 (DI–924)
INV OUT=312.10

DI–924
T/G=320.31
INV IN=313.20 (DI–925)
INV OUT=313.10

DI–927
T/G=320.49
INV OUT=317.20

DI–945
T/G=318.23
INV IN=315.10 (DI–951)
INV IN=314.40 (CB–952)
INV OUT=314.40

DI–951
T/G=317.73
INV IN=317.60 (DI–964)
INV OUT=317.50

DI–957
T/G=318.21
INV IN=311.10 (DI–958)
INV OUT=310.50

DI–958
T/G=316.85
INV IN=312.00 (DI–959)
INV IN=313.50 (DI–963)
INV OUT=311.75

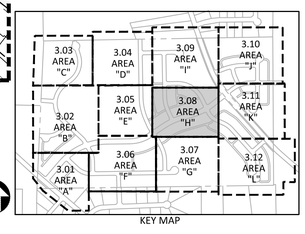
DI–959
T/G=316.02
INV IN=312.70 (DI–960)
INV OUT=312.60

DI–960
T/G=317.02
INV IN=313.70 (DI–961)
INV OUT=313.60

DI–961
T/G=319.16
INV IN=315.80 (DI–962)
INV OUT=315.70

DI–962
T/G=321.43
INV OUT=318.10

DI–963
T/G=317.67
INV OUT=314.30



KEY MAP

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

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER RYAN K. BARKER
NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-G1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

SHEET

GRADING PLAN
AREA "H"

C3.08

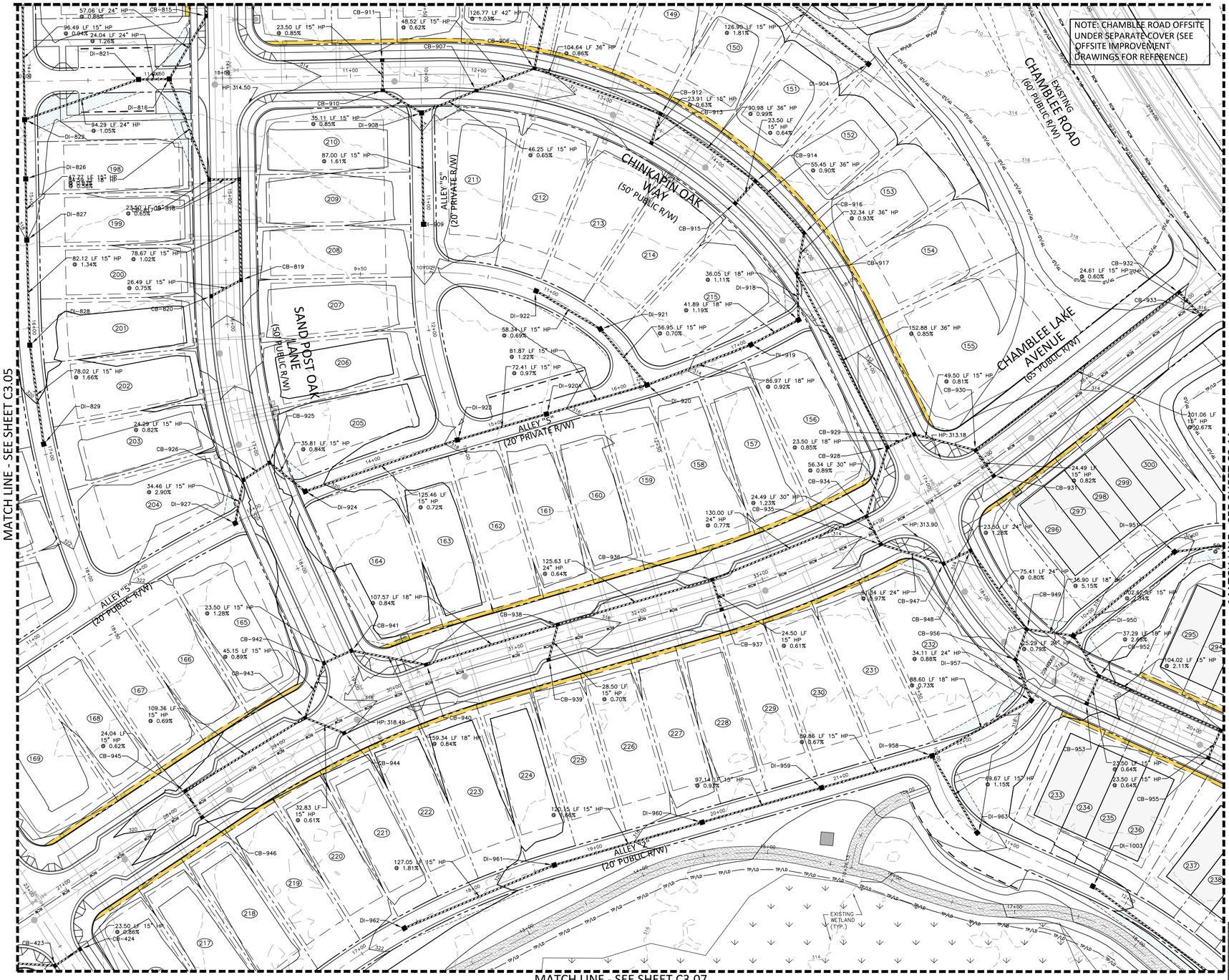
M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-G1.dwg, 7/22/2024 5:19:49 PM, Zach Lee

MATCH LINE - SEE SHEET C3.09

MATCH LINE - SEE SHEET C3.05

MATCH LINE - SEE SHEET C3.11

MATCH LINE - SEE SHEET C3.07



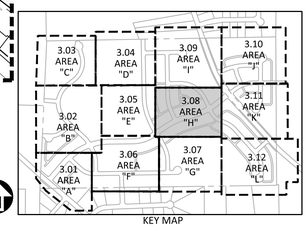
CB-423 T/C=321.35 INV IN=317.20 (CB-424) INV OUT=317.10	CB-937 T/C=315.41 INV OUT=309.40	DI-919 T/G=312.93 INV IN=309.00 (DI-920) INV OUT=308.70
CB-424 T/C=321.35 INV OUT=317.40	CB-938 T/C=316.67 INV IN=309.90 (CB-940) INV IN=310.20 (CB-939) INV OUT=309.40	DI-920 T/G=314.68 INV IN=310.20 (DI-920A) INV IN=310.70 (DI-921) INV OUT=309.80
CB-815 T/C=315.57 INV IN=309.10 (DI-816) INV OUT=308.80	CB-939 T/C=316.81 INV OUT=310.40	DI-920A T/G=316.33 INV IN=311.40 (DI-923) INV OUT=311.20
CB-817 T/C=314.45 INV IN=310.90 (CB-818) INV OUT=310.80	CB-940 T/C=317.74 INV IN=310.90 (CB-941) INV OUT=310.80	DI-921 T/G=314.89 INV IN=311.20 (DI-922) INV OUT=311.10
CB-818 T/C=314.45 INV IN=311.15 (CB-819) INV OUT=311.05	CB-941 T/C=318.63 INV IN=311.60 (CB-942) INV OUT=311.40	DI-922 T/G=314.97 INV OUT=311.60
CB-819 T/C=315.41 INV IN=312.05 (CB-820) INV OUT=311.95	CB-942 T/C=318.63 INV IN=312.00 (CB-943) INV OUT=311.90	DI-923 T/G=317.79 INV IN=312.20 (DI-924) INV OUT=312.10
CB-820 T/C=315.73 INV OUT=312.25	CB-943 T/C=318.75 INV IN=312.70 (CB-945) INV IN=312.80 (CB-944) INV OUT=312.40	DI-924 T/G=320.31 INV IN=313.20 (CB-925) INV OUT=313.10
CB-906 T/C=312.56 INV IN=300.40 (CB-912) INV IN=306.50 (CB-907) INV OUT=299.90	CB-944 T/C=318.53 INV OUT=313.00	DI-927 T/G=320.49 INV OUT=317.20
CB-907 T/C=312.98 INV IN=306.90 (DI-908) INV OUT=306.80	CB-945 T/C=319.83 INV IN=313.55 (CB-946) INV OUT=313.45	DI-950 T/G=318.23 INV IN=315.10 (DI-951) INV IN=314.40 (CB-952) INV OUT=314.40
CB-910 T/C=313.72 INV IN=307.70 (CB-911) INV OUT=307.60	CB-946 T/C=319.84 INV OUT=313.70	DI-951 T/G=317.73 INV IN=317.60 (DI-964) INV OUT=317.50
CB-911 T/C=313.72 INV OUT=307.90	CB-947 T/C=314.14 INV IN=308.40 (CB-948) INV OUT=308.20	DI-957 T/G=318.21 INV IN=311.10 (DI-958) INV OUT=310.50
CB-912 T/C=311.54 INV IN=301.60 (CB-914) INV IN=304.85 (CB-913) INV OUT=301.30	CB-948 T/C=314.14 INV IN=309.10 (CB-949) INV OUT=308.70	DI-958 T/G=316.85 INV IN=312.00 (DI-959) INV IN=313.50 (DI-963) INV OUT=311.75
CB-913 T/C=311.50 INV OUT=305.00	CB-949 T/C=316.54 INV IN=312.50 (DI-950) INV IN=309.90 (CB-956) INV OUT=309.70	DI-959 T/G=316.02 INV IN=312.70 (DI-960) INV OUT=312.60
CB-914 T/C=311.04 INV IN=302.90 (CB-916) INV IN=304.45 (CB-915) INV OUT=302.50	CB-952 T/C=319.53 INV IN=315.70 (CB-954) INV IN=315.55 (CB-953) INV OUT=315.40	DI-960 T/G=317.02 INV IN=313.70 (DI-961) INV OUT=313.60
CB-915 T/C=311.04 INV OUT=304.60	CB-953 T/C=319.53 INV OUT=315.70	DI-961 T/G=319.16 INV IN=315.80 (DI-962) INV OUT=315.70
CB-916 T/C=311.22 INV IN=303.70 (CB-917) INV OUT=303.40	CB-954 T/C=322.01 INV IN=318.05 (CB-955) INV OUT=317.90	DI-962 T/G=321.43 INV OUT=318.10
CB-917 T/C=311.42 INV IN=304.30 (CB-928) INV IN=307.30 (DI-918) INV OUT=304.00	CB-955 T/C=322.01 INV OUT=318.20	DI-963 T/G=317.67 INV OUT=314.30
CB-925 T/C=319.89 INV IN=313.60 (CB-926) INV OUT=313.50	CB-956 T/C=316.92 INV IN=310.20 (DI-957) INV OUT=310.10	
CB-926 T/C=319.97 INV IN=316.20 (DI-927) INV OUT=313.80	DI-816 T/G=315.64 INV IN=311.00 (DI-821) INV IN=310.30 (CB-817) INV OUT=309.60	
CB-928 T/C=312.97 INV IN=306.10 (CB-934) INV IN=307.50 (CB-929) INV OUT=305.60	DI-821 T/G=316.11 INV IN=311.40 (DI-822) INV OUT=311.30	
CB-929 T/C=312.97 INV IN=307.80 (CB-930) INV OUT=307.70	DI-822 T/G=317.34 INV IN=313.30 (DI-826) INV IN=313.00 (DI-823) INV OUT=312.40	
CB-930 T/C=313.32 INV IN=308.30 (CB-932) INV IN=309.70 (CB-931) INV OUT=308.20	DI-826 T/G=317.56 INV IN=314.20 (DI-827) INV OUT=313.80	
CB-931 T/C=313.32 INV OUT=309.90	DI-827 T/G=318.00 INV IN=314.70 (DI-828) INV OUT=314.60	
CB-932 T/C=316.30 INV IN=309.75 (CB-933) INV OUT=309.65	DI-828 T/G=319.22 INV IN=315.90 (DI-829) INV OUT=315.80	
CB-933 T/C=316.34 INV OUT=309.90	DI-904 T/G=307.00 INV OUT=304.50	
CB-934 T/C=314.08 INV IN=307.00 (CB-935) INV IN=307.50 (CB-936) INV OUT=306.60	DI-908 T/G=313.75 INV IN=307.30 (CB-910) INV IN=310.30 (DI-909) INV OUT=307.20	
CB-935 T/C=314.09 INV IN=307.70 (CB-947) INV OUT=307.30	DI-909 T/G=315.21 INV OUT=311.70	
CB-936 T/C=315.41 INV IN=308.60 (CB-938) INV IN=309.25 (CB-937) INV OUT=308.50	DI-918 T/G=312.14 INV IN=308.20 (DI-919) INV OUT=307.70	

EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

GRADING LEGEND

- FLARED END SECTION
- ENDWALL SECTION
- CATCH BASIN
- DROP INLET
- STORM SERVICE INLET
- STORM SERVICE ROOF–DRAIN
- JUNCTION BOX
- DRAINAGE FLOW ARROW
- LINE BREAK SYMBOL
- 250.50 / 250.00 — TOP & BOTTOM CURB ELEVATIONS
- TW=223.00 / BW=213.00 — TOP OF WALL ELEVATION / BOTTOM OF WALL ELEVATION (NOTE: BOTTOM OF WALL IS GROUND ELEVATION NOT WALL FOUNDATION)
- + 250.60 — SPOT ELEVATION
- STORM DRAINAGE
- STORM SERVICE LINE
- RD—RD—RD — ROOF DRAIN, 8" ADS NON–PERFORATED TUBING OR EQUAL 1.0% MIN. SLOPE 3' MIN. COVER PVC SCHEDULE 40 IN TRAFFIC AREAS
- TP—TP—TP — TREE PROTECTION FENCE
- LD—LD — LIMITS OF DISTURBANCE
- WOODED AREA
- 250 — MAJOR CONTOUR
- 252 — MINOR CONTOUR
- 250 — EXISTING MAJOR CONTOUR
- 252 — EXISTING MINOR CONTOUR
- EASEMENT LINE
- ACCESSIBLE PARKING AREA (2% MAX. SLOPE IN ALL DIRECTIONS)



KEY MAP

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

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER RYAN K. BARKER — NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-G1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

SHEET

GRADING PLAN
AREA "H"

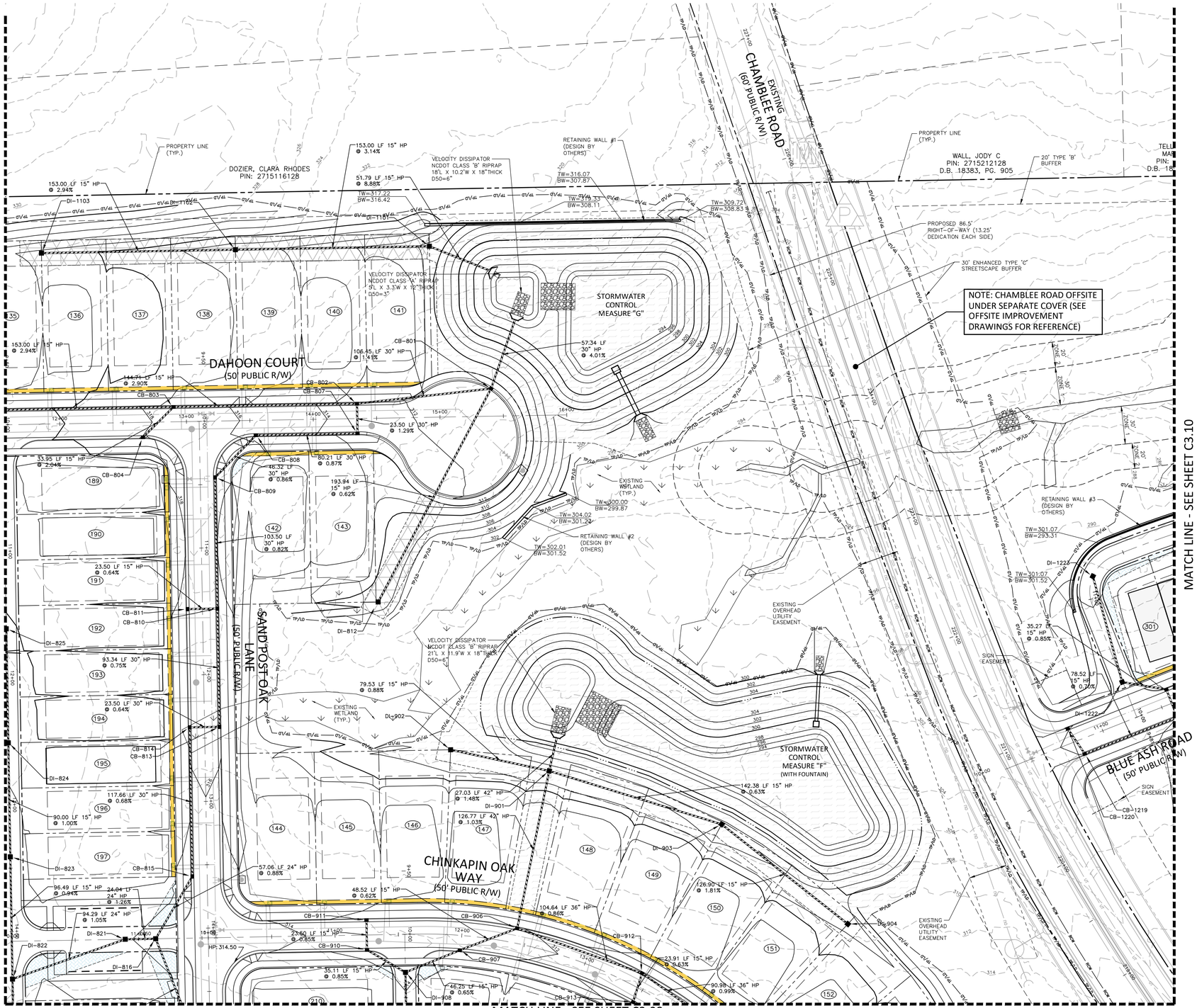
C3.08

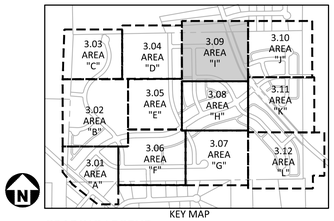
M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-G1.dwg, 7/22/2024 5:19:53 PM, Zach Lee

EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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





KEY MAP

GRADING LEGEND

- FLARED END SECTION
- ENDWALL SECTION
- CATCH BASIN
- DROP INLET
- STORM SERVICE INLET
- STORM SERVICE ROOF–DRAIN
- JUNCTION BOX
- DRAINAGE FLOW ARROW
- LINE BREAK SYMBOL
- 250.50 / 250.00 — TOP & BOTTOM CURB ELEVATIONS
- TW=223.00 / BW=213.00 — TOP OF WALL ELEVATION / BOTTOM OF WALL ELEVATION (NOTE: BOTTOM OF WALL IS GROUND ELEVATION NOT WALL FOUNDATION)
- + 250.60 — SPOT ELEVATION
- STORM DRAINAGE
- STORM SERVICE LINE
- RD — RD — RD — ROOF DRAIN, 8" ADS NON–PERFORATED TUBING OR EQUAL 1.0% MIN. SLOPE 3' MIN. COVER PVC SCHEDULE 40 IN TRAFFIC AREAS
- TP — TP — TP — TREE PROTECTION FENCE
- LD — LD — LIMITS OF DISTURBANCE
- WOODED AREA
- 250 — MAJOR CONTOUR
- 252 — MINOR CONTOUR
- 250 — EXISTING MAJOR CONTOUR
- 252 — EXISTING MINOR CONTOUR
- EASEMENT LINE
- ACCESSIBLE PARKING AREA (2% MAX. SLOPE IN ALL DIRECTIONS)

CB–801 T/C=311.39 INV IN=302.60 (CB–802) INV IN=305.00 (DI–812) INV OUT=302.30	CB–906 T/C=312.56 INV IN=300.40 (CB–912) INV IN=306.50 (CB–907) INV OUT=299.90	DI–825 T/G=319.80 INV OUT=316.40
CB–802 T/C=313.51 INV IN=306.90 (CB–803) INV IN=304.30 (CB–807) INV OUT=304.10	CB–907 T/C=312.98 INV IN=306.90 (DI–908) INV OUT=306.80	DI–901 T/G=306.32 INV IN=298.60 (CB–906) INV IN=302.80 (DI–902) INV IN=301.20 (DI–903) INV OUT=298.40
CB–803 T/C=317.71 INV IN=311.20 (CB–805) INV IN=311.20 (CB–804) INV OUT=311.10	CB–910 T/C=313.72 INV IN=307.70 (CB–911) INV OUT=307.60	DI–902 T/G=306.21 INV OUT=303.50
CB–804 T/C=318.42 INV OUT=311.90	CB–911 T/C=313.72 INV OUT=307.90	DI–903 T/G=304.60 INV IN=302.20 (DI–904) INV OUT=302.10
CB–807 T/C=313.51 INV IN=304.70 (CB–808) INV OUT=304.60	CB–912 T/C=311.54 INV IN=301.60 (CB–914) INV IN=304.85 (CB–913) INV OUT=301.30	DI–904 T/G=307.00 INV OUT=304.50
CB–808 T/C=315.84 INV IN=305.50 (CB–809) INV OUT=305.40	CB–913 T/C=311.50 INV OUT=305.00	DI–908 T/G=313.75 INV IN=307.30 (CB–910) INV IN=310.30 (DI–909) INV OUT=307.20
CB–809 T/C=317.57 INV IN=306.00 (CB–810) INV OUT=305.90	CB–1219 T/C=302.51 INV IN=298.45 (CB–1220) INV OUT=298.35	DI–1101 T/G=311.81 INV IN=309.10 (DI–1102) INV OUT=302.60
CB–810 T/C=317.69 INV IN=306.95 (CB–813) INV IN=311.25 (CB–811) INV OUT=306.85	CB–1220 T/C=302.41 INV OUT=298.60	DI–1102 T/G=316.70 INV IN=314.00 (DI–1103) INV OUT=313.90
CB–811 T/C=317.69 INV OUT=311.40	CB–1221 T/C=304.04 INV IN=297.60 (DI–1222) INV OUT=297.50	DI–1103 T/G=321.16 INV OUT=318.50
CB–813 T/C=316.76 INV IN=307.75 (CB–814) INV OUT=307.65	DI–812 T/G=308.69 INV OUT=306.20	DI–1222 T/G=303.90 INV OUT=297.90
CB–814 T/C=316.76 INV IN=308.00 (CB–815) INV OUT=307.90	DI–816 T/G=315.64 INV IN=311.00 (DI–821) INV IN=310.30 (DI–817) INV OUT=309.60	DI–1223 T/G=301.93 INV OUT=298.60
CB–815 T/C=315.57 INV IN=309.10 (DI–816) INV OUT=308.80	DI–821 T/G=316.11 INV IN=311.40 (DI–822) INV OUT=311.30	
CB–817 T/C=314.45 INV IN=310.90 (CB–818) INV OUT=310.80	DI–822 T/G=317.34 INV IN=313.30 (DI–826) INV IN=313.00 (DI–823) INV OUT=312.40	
CB–818 T/C=314.45 INV IN=311.15 (CB–819) INV OUT=311.05	DI–824 T/G=318.44 INV IN=315.00 (DI–825) INV OUT=314.90	

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 049483 BRIAN K. BARKER

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-G1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

SHEET

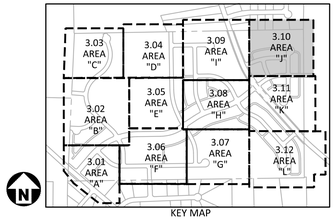
GRADING PLAN AREA "I"

C3.09

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-G1.dwg, 7/22/2024 5:19:56 PM, Zach Lee

EASEMENT LEGEND

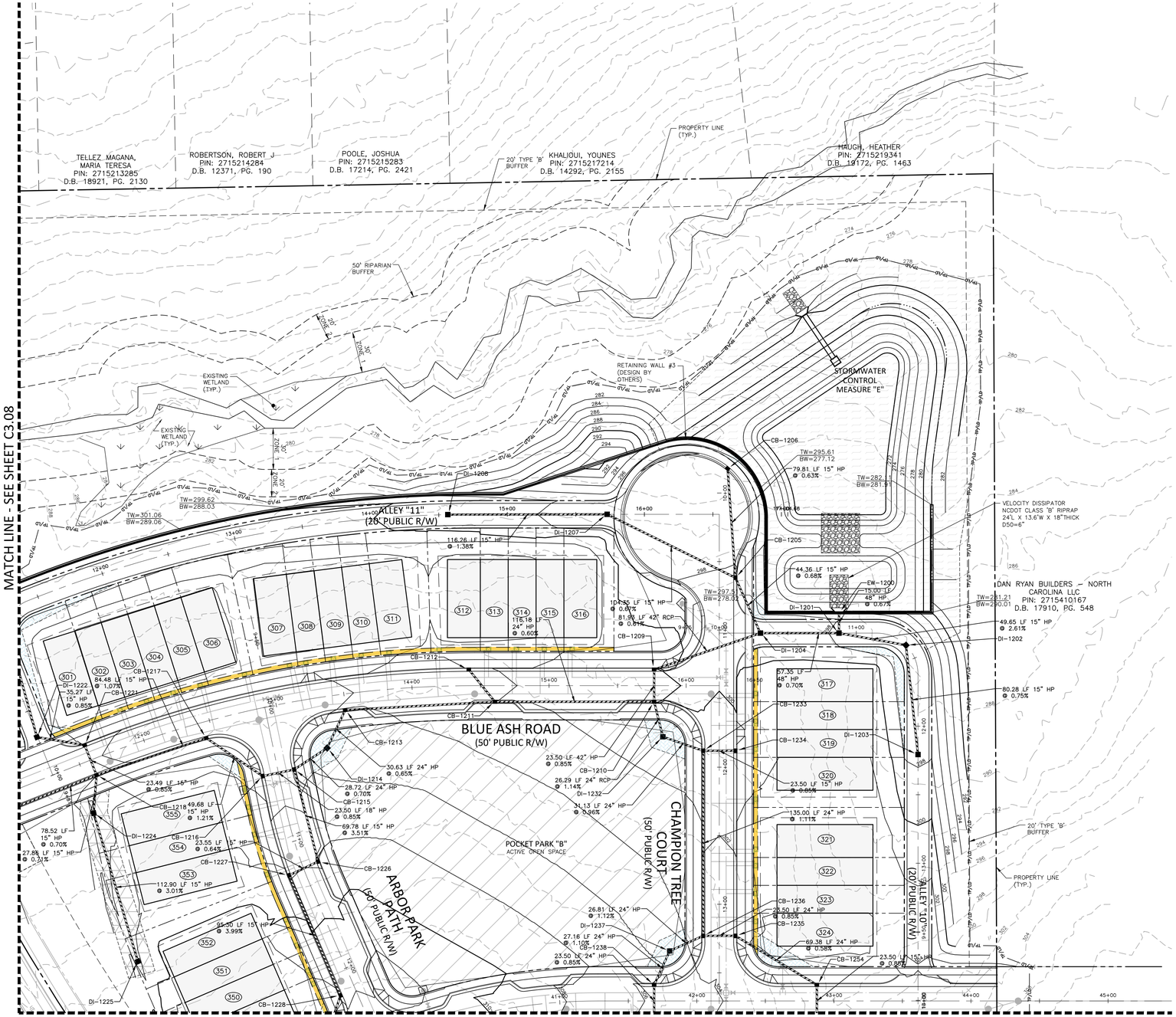
- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT



KEY MAP

GRADING LEGEND

- FLARED END SECTION
- ENDWALL SECTION
- CATCH BASIN
- DROP INLET
- STORM SERVICE INLET
- STORM SERVICE ROOF–DRAIN
- JUNCTION BOX
- DRAINAGE FLOW ARROW
- LINE BREAK SYMBOL
- 250.50 / 250.00 — TOP & BOTTOM CURB ELEVATIONS
- TW=223.00 / BW=213.00 — TOP OF WALL ELEVATION / BOTTOM OF WALL ELEVATION (NOTE: BOTTOM OF WALL IS GROUND ELEVATION NOT WALL FOUNDATION)
- + 250.60 — SPOT ELEVATION
- STORM DRAINAGE
- STORM SERVICE LINE
- RD RD RD — ROOF DRAIN, 8" ADS NON–PERFORATED TUBING OR EQUAL 1.0% MIN. SLOPE 3' MIN. COVER PVC SCHEDULE 40 IN TRAFFIC AREAS
- TP TP TP — TREE PROTECTION FENCE
- LD LD — LIMITS OF DISTURBANCE
- WOODED AREA
- 250 — MAJOR CONTOUR
- 252 — MINOR CONTOUR
- 250 — EXISTING MAJOR CONTOUR
- 252 — EXISTING MINOR CONTOUR
- EASEMENT LINE
- ACCESSIBLE PARKING AREA (2% MAX. SLOPE IN ALL DIRECTIONS)



CB–1205 T/C=298.64 INV IN=293.90 (DI–1207) INV IN=292.50 (CB–1206) INV OUT=292.30	CB–1235 T/C=303.60 INV IN=298.00 (CB–1254) INV OUT=297.90
CB–1206 T/C=296.82 INV OUT=293.00	CB–1236 T/C=303.60 INV IN=295.80 (DI–1237) INV IN=297.70 (CB–1235) INV OUT=295.60
CB–1209 T/C=300.52 INV IN=290.70 (CB–1210) INV OUT=290.60	CB–1238 T/C=305.96 INV IN=296.60 (CB–1239) INV OUT=296.50
CB–1210 T/C=300.52 INV IN=293.00 (DI–1232) INV IN=292.50 (CB–1211) INV OUT=290.90	CB–1254 T/C=302.79 INV IN=298.60 (CB–1255) INV OUT=298.40
CB–1211 T/C=302.47 INV IN=293.30 (CB–1213) INV IN=298.70 (CB–1212) INV OUT=293.20	DI–1201 T/G=297.17 INV IN=289.20 (DI–1204) INV IN=293.90 (DI–1202) INV OUT=274.10
CB–1212 T/C=302.79 INV OUT=299.00	DI–1202 T/G=298.56 INV IN=295.30 (DI–1203) INV OUT=295.20
CB–1213 T/C=304.33 INV IN=294.10 (DI–1214) INV OUT=294.00	DI–1203 T/G=299.16 INV OUT=295.90
CB–1215 T/C=305.50 INV IN=301.70 (CB–1226) INV IN=294.90 (CB–1216) INV OUT=294.60	DI–1204 T/G=298.86 INV IN=290.10 (CB–1209) INV IN=292.00 (CB–1205) INV OUT=289.60
CB–1216 T/C=305.50 INV IN=295.40 (CB–1217) INV OUT=295.10	DI–1207 T/G=297.96 INV IN=294.70 (DI–1208) INV OUT=294.60
CB–1217 T/C=304.98 INV IN=296.20 (CB–1218) INV OUT=296.00	DI–1208 T/G=299.56 INV OUT=296.30
CB–1218 T/C=304.04 INV IN=297.30 (CB–1221) INV IN=297.80 (CB–1219) INV IN=300.20 (DI–1224) INV OUT=297.10	DI–1214 T/G=305.82 INV IN=294.40 (CB–1215) INV OUT=294.30
CB–1221 T/C=304.04 INV IN=297.60 (DI–1222) INV OUT=297.50	DI–1222 T/G=303.90 INV IN=298.00 (DI–1223) INV OUT=297.90
CB–1226 T/C=308.21 INV IN=304.25 (CB–1227) INV OUT=304.15	DI–1224 T/G=304.29 INV IN=300.50 (DI–1225) INV OUT=300.40
CB–1227 T/C=308.28 INV IN=304.50 (CB–1228) INV OUT=304.40	DI–1225 T/G=307.72 INV OUT=303.90
CB–1228 T/C=312.17 INV IN=308.40 (CB–1229) INV OUT=308.30	DI–1232 T/G=301.72 INV IN=293.60 (CB–1233) INV OUT=293.30
CB–1233 T/C=301.03 INV IN=294.10 (CB–1236) INV IN=298.70 (CB–1234) INV OUT=293.90	DI–1237 T/G=305.66 INV IN=296.20 (CB–1238) INV OUT=296.10
CB–1234 T/C=301.03 INV OUT=298.90	

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

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 049483 ALAN K. BARKER

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-G1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

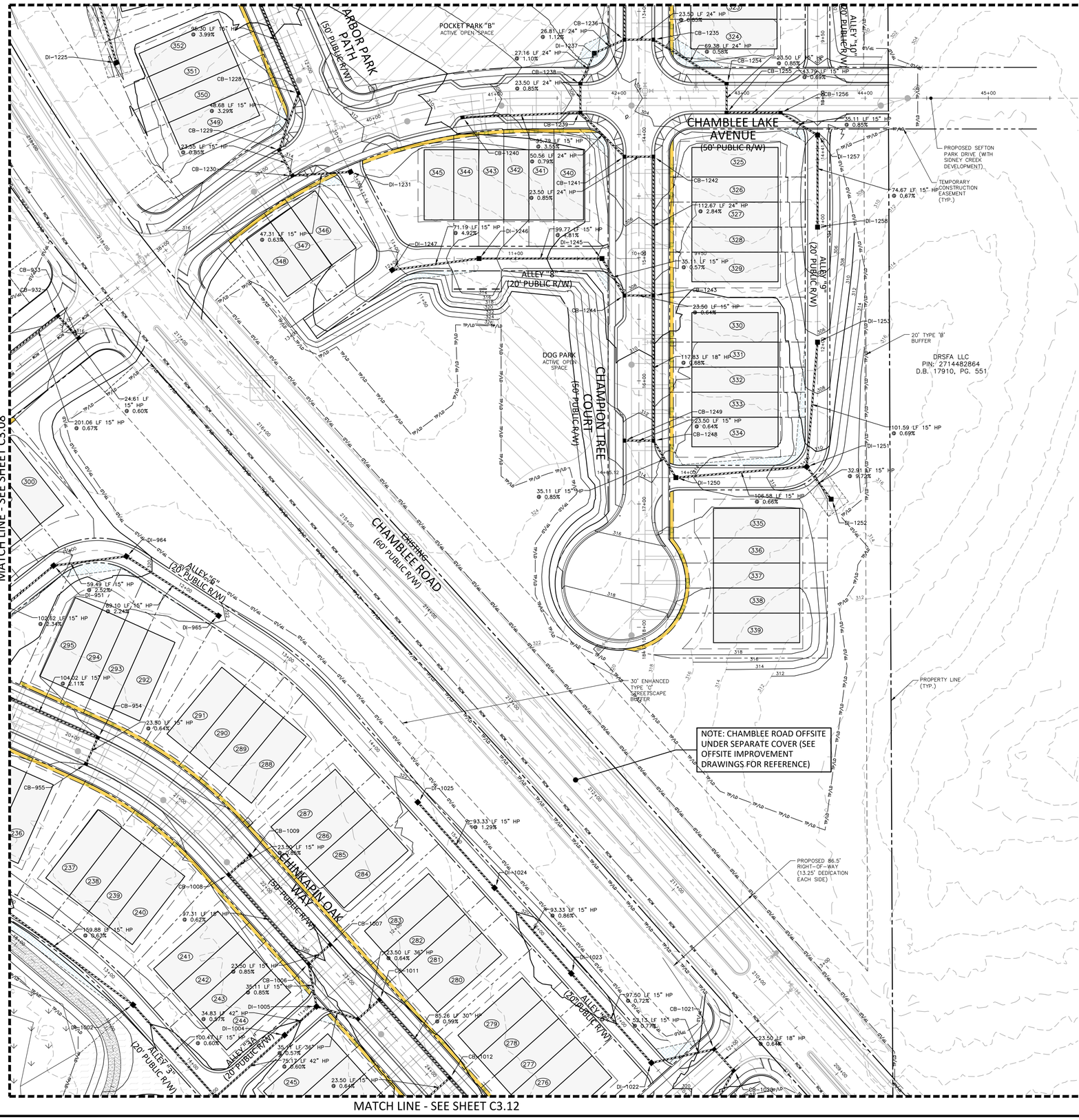
SHEET

GRADING PLAN AREA "J"

C3.10

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-G1.dwg, 7/22/2024 5:19:59 PM, Zach Lee

MATCH LINE - SEE SHEET C3.10



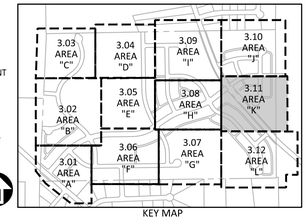
MATCH LINE - SEE SHEET C3.08

MATCH LINE - SEE SHEET C3.12

EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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



KEY MAP

GRADING LEGEND

- FLARED END SECTION
- ENDWALL SECTION
- CATCH BASIN
- DROP INLET
- STORM SERVICE INLET
- STORM SERVICE ROOF-DRAIN
- JUNCTION BOX
- DRAINAGE FLOW ARROW
- LINE BREAK SYMBOL
- 250.50 / 250.00 — TOP & BOTTOM CURB ELEVATIONS
- TW=223.00 / BW=213.00 — TOP OF WALL ELEVATION / BOTTOM OF WALL ELEVATION (NOTE: BOTTOM OF WALL IS GROUND ELEVATION NOT WALL FOUNDATION)
- + 250.60 — SPOT ELEVATION
- STORM DRAINAGE
- STORM SERVICE LINE
- RD RD RD — ROOF DRAIN, 8" ADS NON-PERFORATED TUBING OR EQUAL 1.0% MIN. SLOPE 3' MIN. COVER PVC SCHEDULE 40 IN TRAFFIC AREAS
- TP TP TP — TREE PROTECTION FENCE
- LD LD — LIMITS OF DISTURBANCE
- WOODED AREA
- 250 — MAJOR CONTOUR
- 252 — MINOR CONTOUR
- 250 — EXISTING MAJOR CONTOUR
- 252 — EXISTING MINOR CONTOUR
- EASEMENT LINE
- ACCESSIBLE PARKING AREA (2% MAX. SLOPE IN ALL DIRECTIONS)

CB-954 T/C=322.01 INV IN=318.05 (CB-955) INV OUT=317.90	CB-1256 T/C=303.28 INV IN=299.30 (DI-1257) INV OUT=299.20	DI-1250 T/G=314.90 INV IN=302.50 (DI-1251) INV OUT=302.40
CB-955 T/C=322.01 INV OUT=318.20	DI-951 T/G=317.73 INV IN=317.60 (DI-964) INV OUT=317.50	DI-1251 T/G=311.09 INV IN=307.80 (DI-1252) INV IN=303.30 (DI-1253) INV OUT=303.20
CB-1228 T/C=312.17 INV IN=308.40 (CB-1229) INV OUT=308.30	DI-964 T/G=319.22 INV IN=319.20 (DI-965) INV OUT=319.10	DI-1252 T/G=317.45 INV OUT=311.00
CB-1229 T/C=314.34 INV IN=310.10 (CB-1230) INV OUT=310.00	DI-965 T/G=321.85 INV OUT=321.20	DI-1253 T/G=307.26 INV OUT=304.00
CB-1230 T/C=314.36 INV IN=310.40 (DI-1231) INV OUT=310.30	DI-1001 T/G=318.98 INV IN=314.20 (DI-1002) INV IN=310.30 (DI-1004) INV IN=311.50 (DI-1028) INV OUT=310.20	DI-1257 T/G=304.41 INV IN=299.70 (DI-1258) INV OUT=299.60
CB-1235 T/C=303.60 INV IN=298.00 (CB-1254) INV OUT=297.90	DI-1002 T/G=320.27 INV IN=314.90 (DI-1003) INV OUT=314.80	DI-1258 T/G=303.54 INV OUT=300.20
CB-1236 T/C=303.60 INV IN=295.80 (DI-1237) INV IN=297.70 (CB-1235) INV OUT=295.60	DI-1004 T/G=319.82 INV IN=310.85 (DI-1005) INV OUT=310.75	
CB-1238 T/C=305.96 INV IN=296.60 (CB-1239) INV OUT=296.50	DI-1005 T/G=320.17 INV IN=313.70 (CB-1006) INV IN=311.15 (CB-1010) INV OUT=311.05	
CB-1239 T/C=305.96 INV IN=296.90 (CB-1241) INV IN=302.20 (CB-1240) INV OUT=296.80	DI-1022 T/G=320.49 INV IN=315.40 (DI-1023) INV OUT=315.30	
CB-1240 T/C=309.38 INV OUT=305.60	DI-1023 T/G=319.56 INV IN=316.20 (DI-1024) INV OUT=316.10	
CB-1241 T/C=304.98 INV IN=297.40 (CB-1242) INV OUT=297.30	DI-1024 T/G=320.36 INV IN=317.10 (DI-1025) INV OUT=317.00	
CB-1242 T/C=304.98 INV IN=297.70 (CB-1243) INV OUT=297.60	DI-1025 T/G=321.62 INV OUT=318.30	
CB-1243 T/C=308.48 INV IN=301.00 (CB-1248) INV IN=304.45 (CB-1244) INV OUT=300.90	DI-1225 T/G=307.72 INV OUT=303.90	
CB-1244 T/C=308.48 INV IN=304.70 (DI-1245) INV OUT=304.60	DI-1231 T/G=313.96 INV OUT=310.70	
CB-1248 T/C=313.09 INV IN=302.10 (DI-1250) INV IN=309.15 (CB-1249) INV OUT=301.80	DI-1237 T/C=305.66 INV IN=296.20 (CB-1238) INV OUT=296.10	
CB-1249 T/C=313.09 INV OUT=309.30	DI-1245 T/G=308.27 INV IN=305.00 (DI-1246) INV OUT=304.90	
CB-1254 T/C=302.79 INV IN=298.60 (CB-1255) INV OUT=298.40	DI-1246 T/G=313.17 INV IN=309.90 (DI-1247) INV OUT=309.80	
CB-1255 T/C=302.79 INV IN=298.90 (CB-1256) INV OUT=298.80	DI-1247 T/G=316.72 INV OUT=313.40	

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 049483 RYAN K. BARKER NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

PLAN INFORMATION

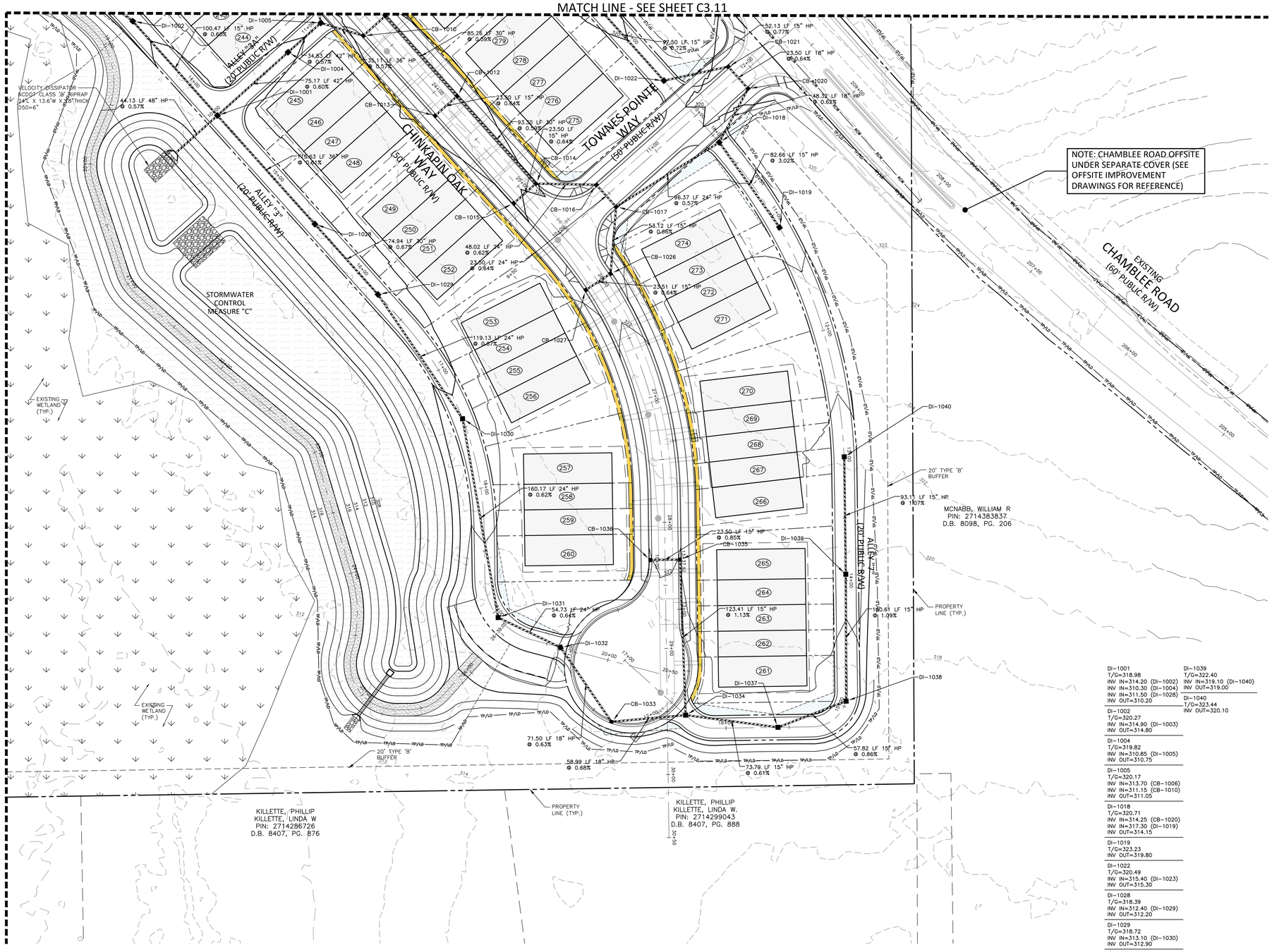
PROJECT NO.	DRH22004
FILENAME	DRH22004-G1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

SHEET

GRADING PLAN AREA "K"

C3.11

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-G1.dwg, 7/22/2024 5:20:03 PM, Zach Lee



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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 049483 ENGINEER: ROBIN K. BARKER NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-G1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

SHEET

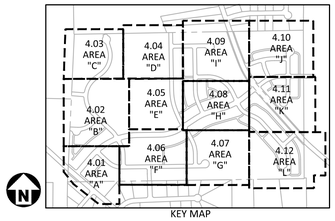
GRADING PLAN AREA "L"

C3.12

X:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-G1.dwg, 7/23/2024 5:20:07 PM, Zach Lee

1 CHAMBLEE, CAROLYN P PIN: 2715-01-9636 D.B. 2578, PG. E
2 JUAREZ, PEDRO CARREON JUAREZ, MARIA DEL PIN: 2715-11-6216
3 DOZIER, CLARA RHODES PIN: 2715-11-6128
4 WILLIAMS, GEORGETTE PIN: 2715-21-2207
5 WALL, JODY C PIN: 2715-21-2128 D.B. 18383, PG. 905
6 TELLEZ MAGANA, MARIA TERESA PIN: 2715-21-3285 D.B. 18921, PG. 2130
7 ROBERTSON, ROBERT J PIN: 2715-21-4284 D.B. 12371, PG. 190
8 POOLE, JOSHUA PIN: 2715-21-5283 D.B. 17214, PG. 2421
9 KHALIOUI, YOUNES PIN: 2715-21-7214 D.B. 14292, PG. 2155
10 HAUGH, PAUL G HAUGH, HEATHER W PIN: 2715-21-9341 D.B. 19172, PG. 1463
11 DAN RYAN BUILDERS – NORTH CAROLINA LLC PIN: 2715-41-0167 D.B. 17910, PG. 548
12 MCNABB, WILLIAM R PIN: 2714-38-3837 D.B. 8098, PG. 206
13 KILLETTE, PHILLIP KILLETTE, LINDA W PIN: 2714-29-9043 D.B. 8407, PG. 888
14 KILLETTE, PHILLIP KILLETTE, LINDA W PIN: 2714-28-6726 D.B. 8407, PG. 876
15 CRENSHAW, BARRY A PIN: 2714-28-2739 D.B. 8434, PG. 1792
16 HOAD, RYAN PATRICK HOAD, JAMIE LEIGH PIN: 2714-18-9947 D.B. 14710, PG. 1017
17 SMITH, KENNETH R SMITH, TONYA K PIN: 2714-19-7170 D.B. 9312, PG. 1963
18 BRODEUR, MADELINE PIN: 2714-19-5099 D.B. 11351, PG. 463
19 HINNANT, HULEY JR HINNANT, GERALDINE PIN: 2714-19-4057 D.B. 9115, PG. 106
20 FOUNTAIN, JAMES I III FOUNTAIN, LAURA E PIN: 2714-19-3007 D.B. 15985, PG. 1274
21 KIRIAZES, KENNETH E KIRIAZES, MARIE A PIN: 2714-19-1047 D.B. 9404, PG. 2496
22 SARNA, KERRY RICHARD PIN: 2714-09-8086 D.B. 12679, PG. 1130
23 GONZALEZ, ALFONSO GONZALES PIN: 2714-09-7005 D.B. 17117, PG. 139
24 NUNEZ, RICARDO RODRIGUEZ, ANGELICA MARIA PIN: 2714-08-5959
25 FOCA, KIMBERLY PIN: 2705-91-2377 D.B. 17931, PG. 15
26 OLIVERA, RAMON HERNANDEZ PIN: 2714-09-1017 D.B. 9063, PG. 640
27 HINTON, REBECCA H PIN: 2704-99-5359 D.B. 2244, PG. 189
28 HINTON, REBECCA H PIN: 2704-99-5359 D.B. 2244, PG. 189
29 PATE FAMILY I LTD PTNRP PIN: 2705-91-2377 D.B. 13664, PG. 2288

EXISTING CARROLL HEIGHTS ROAD
PROPERTY LINE (TYP.)
20' TYPE 'B' BUFFER
RETAINING WALL #6 (DESIGN BY OTHERS)
RETAINING WALL #1 (DESIGN BY OTHERS)
RETAINING WALL #3 (DESIGN BY OTHERS)
RETAINING WALL #5 (DESIGN BY OTHERS)
RETAINING WALL #2 (DESIGN BY OTHERS)
RETAINING WALL #4 (DESIGN BY OTHERS)
EX. 140' POWER EASEMENT
STORMWATER CONTROL MEASURE "A"
STORMWATER CONTROL MEASURE "B"
STORMWATER CONTROL MEASURE "C"
STORMWATER CONTROL MEASURE "D"
STORMWATER CONTROL MEASURE "E"
STORMWATER CONTROL MEASURE "F"
STORMWATER CONTROL MEASURE "G"
STORMWATER CONTROL MEASURE "H"
STORMWATER CONTROL MEASURE "I"
DAHOON COURT (50' PUBLIC R/W)
POND VISTA DRIVE (50' PUBLIC R/W)
WATER ELM PLACE (50' PUBLIC R/W)
SAND POST LANE (50' PUBLIC R/W)
CHINKAPIN OAK WAY (50' PUBLIC R/W)
BLUE ASH ROAD (50' PUBLIC R/W)
ACTIVE OPEN SPACE
CHAMBLEE LAKE AVENUE (65' PUBLIC R/W)
PROPOSED SEFTON PARK DRIVE (WITH SIDNEY CREEK DEVELOPMENT)
CHAMPION TREE COURT (50' PUBLIC R/W)
TRAILS EDGE LANE (50' PUBLIC R/W)
MILL VIEW STREET (50' PUBLIC R/W)
ALLEY "1" (20' PRIVATE R/W)
ALLEY "1A" (20' PRIVATE R/W)
ALLEY "1B" (20' PRIVATE R/W)
ALLEY "2" (20' PRIVATE R/W)
ALLEY "3" (20' PRIVATE R/W)
ALLEY "4" (20' PRIVATE R/W)
ALLEY "5" (20' PRIVATE R/W)
ALLEY "6" (20' PRIVATE R/W)
ALLEY "7" (20' PRIVATE R/W)
ALLEY "8" (20' PRIVATE R/W)
ALLEY "9" (20' PRIVATE R/W)
ALLEY "10" (20' PRIVATE R/W)
ALLEY "11" (20' PRIVATE R/W)
CHAMBLEE LAKE AVENUE (65' PUBLIC R/W)
CONIFER WALK COURT (50' PUBLIC R/W)
RIDGE VALLEY WAY (50' PUBLIC R/W)
EXISTING CHAMBLEE ROAD (60' PUBLIC R/W)
EXISTING PERRY CURTIS ROAD (60' PUBLIC R/W)
EXISTING FIELD MEADOWS DRIVE
EXISTING PERRY RIDGE COURT
EXISTING WETLAND (TYP.)
(SUBMITTED UNDER SEPARATE COVER)
PASSIVE (IMPROVED) OPEN SPACE
PASSIVE OPEN SPACE
30' TYPE 'C' STREETSCAPE BUFFER
30' ENHANCED TYPE 'C' STREETSCAPE BUFFER
PROPOSED 100' RIGHT-OF-WAY (20' DEDICATION EACH SIDE)



KEY MAP

NOTE: CHAMBLEE ROAD OFFSITE IMPROVEMENTS SUBMITTED UNDER SEPARATE COVER (SEE OFFSITE IMPROVEMENTS DRAWINGS FOR REFERENCE)

NOTE: PERRY CURTIS ROAD OFFSITE IMPROVEMENTS SUBMITTED UNDER SEPARATE COVER (SEE OFFSITE IMPROVEMENTS DRAWINGS FOR REFERENCE)

UTILITY LEGEND

- FIRE HYDRANT ASSEMBLY
- FIRE DEPARTMENT CONNECTION (FDC)
- WATER METER
- WATER VALVE
- POST INDICATOR VALVE
- VALVE IN MANHOLE
- METER & VAULT
- BACKFLOW PREVENTER
- REDUCER
- PLUG
- BLOW-OFF ASSEMBLY
- SANITARY SEWER MANHOLE
- SEWER CLEAN-OUT
- GREASE TRAP
- SEWER FLOW DIRECTION ARROW
- YARD LIGHTS
- LIGHT POLE
- POWER POLE
- LINE BREAK SYMBOL
- WATERLINE
- WATER SERVICE LINE
- UTILITY SLEEVE
- SANITARY SEWER
- SEWER SERVICE LINE
- SEWER FORCE MAIN
- GAS LINE
- OVERHEAD UTILITY
- UNDERGROUND ELECTRIC
- TELEPHONE
- EASEMENT LINE

GRAPHIC SCALE
0 75 150 300
1 INCH = 150 FT.

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 049483 RYAN K. BARKER — NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

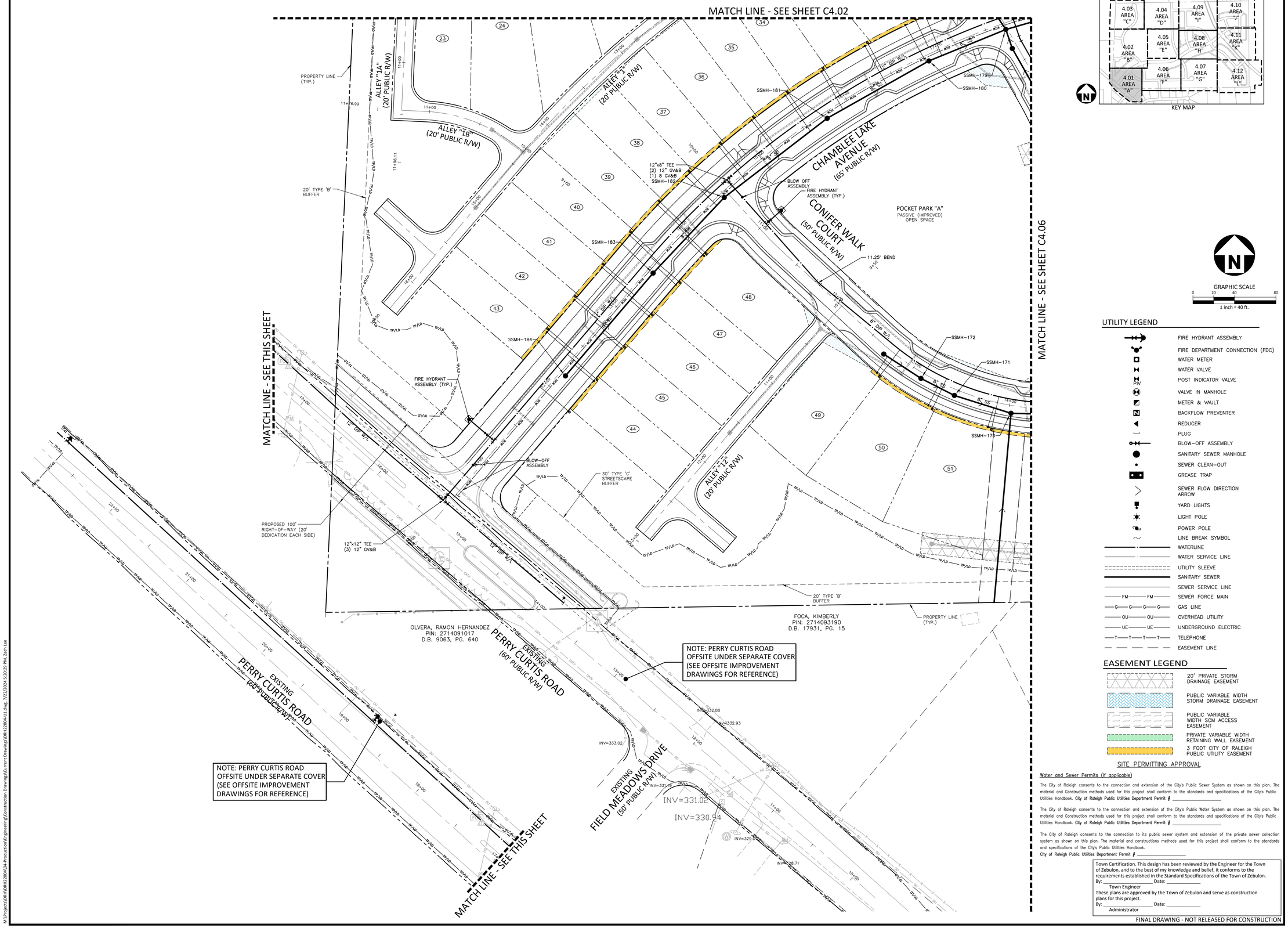
PLAN INFORMATION

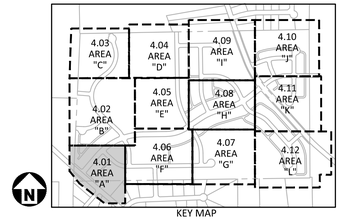
PROJECT NO.	DRH22004
FILENAME	DRH22004-OAU1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=150'
DATE	05. 24. 2024

SHEET

OVERALL UTILITY PLAN
C4.00

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-OAU1.dwg, 7/22/2024 5:20:15 PM, Zach Lee





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

UTILITY LEGEND

- FIRE HYDRANT ASSEMBLY
- FIRE DEPARTMENT CONNECTION (FDC)
- WATER METER
- WATER VALVE
- POST INDICATOR VALVE
- VALVE IN MANHOLE
- METER & VAULT
- BACKFLOW PREVENTER
- REDUCER
- PLUG
- BLOW-OFF ASSEMBLY
- SANITARY SEWER MANHOLE
- SEWER CLEAN-OUT
- GREASE TRAP
- SEWER FLOW DIRECTION ARROW
- YARD LIGHTS
- LIGHT POLE
- POWER POLE
- LINE BREAK SYMBOL
- WATERLINE
- WATER SERVICE LINE
- UTILITY SLEEVE
- SANITARY SEWER
- SEWER SERVICE LINE
- SEWER FORCE MAIN
- GAS LINE
- OVERHEAD UTILITY
- UNDERGROUND ELECTRIC
- TELEPHONE
- EASEMENT LINE

EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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 # _____

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER BRIAN K. BARKER

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

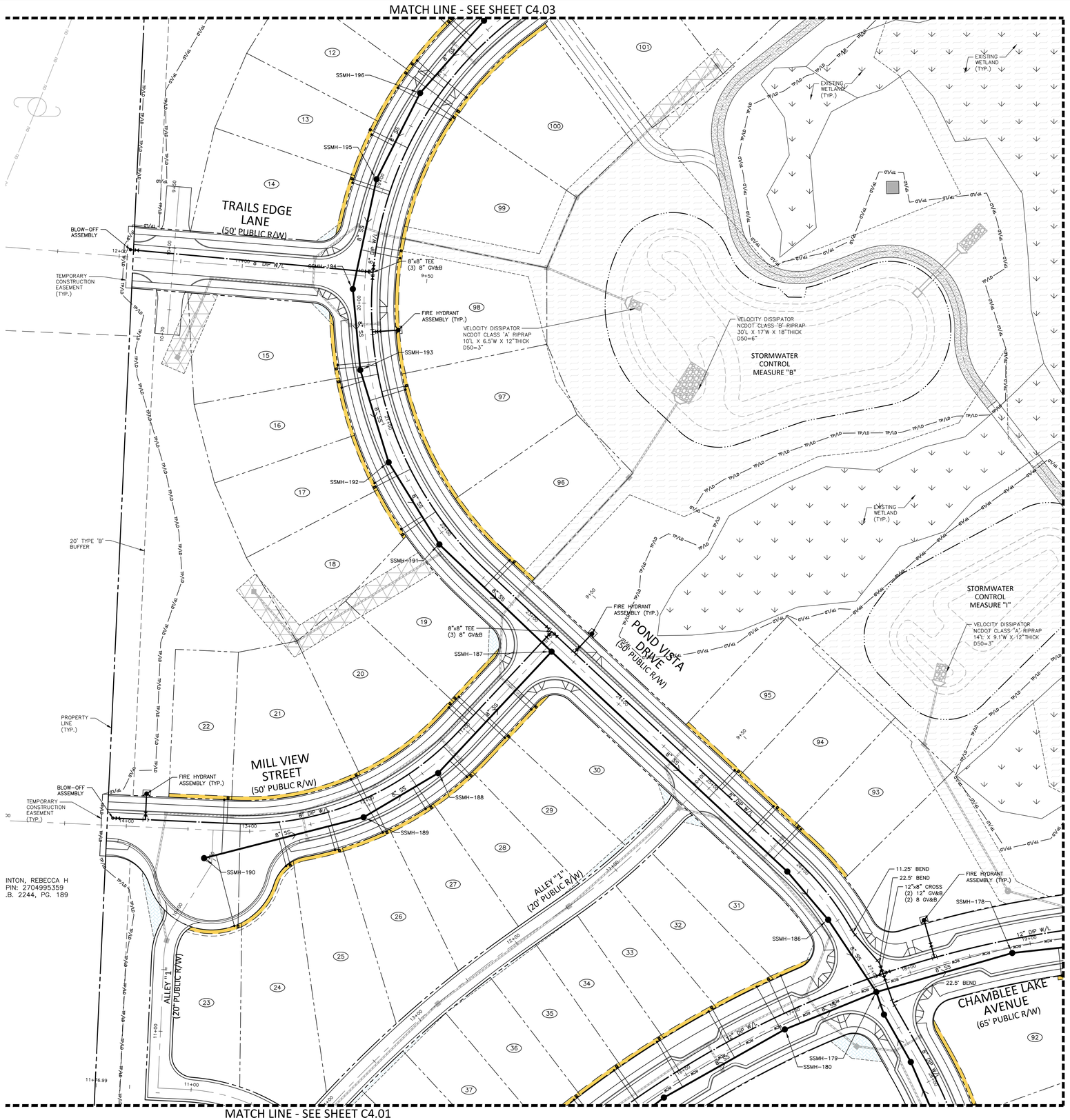
PLAN INFORMATION

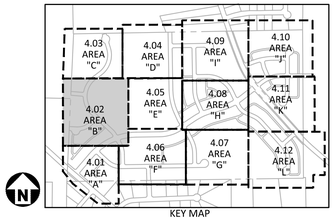
PROJECT NO.	DRH22004
FILENAME	DRH22004-U1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

SHEET

UTILITY PLAN
AREA "A"
C4.01

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-U1.dwg, 7/22/2024 5:20:29 PM, Zach Lee





KEY MAP

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

UTILITY LEGEND

- FIRE HYDRANT ASSEMBLY
- FIRE DEPARTMENT CONNECTION (FDC)
- WATER METER
- WATER VALVE
- POST INDICATOR VALVE
- VALVE IN MANHOLE
- METER & VAULT
- BACKFLOW PREVENTER
- REDUCER
- PLUG
- BLOW-OFF ASSEMBLY
- SANITARY SEWER MANHOLE
- SEWER CLEAN-OUT
- GREASE TRAP
- SEWER FLOW DIRECTION ARROW
- YARD LIGHTS
- LIGHT POLE
- POWER POLE
- LINE BREAK SYMBOL
- WATERLINE
- WATER SERVICE LINE
- UTILITY SLEEVE
- SANITARY SEWER
- SEWER SERVICE LINE
- SEWER FORCE MAIN
- GAS LINE
- OVERHEAD UTILITY
- UNDERGROUND ELECTRIC
- TELEPHONE
- EASEMENT LINE

EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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 # _____

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 049483 ROBIN K. BARKER NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

PLAN INFORMATION

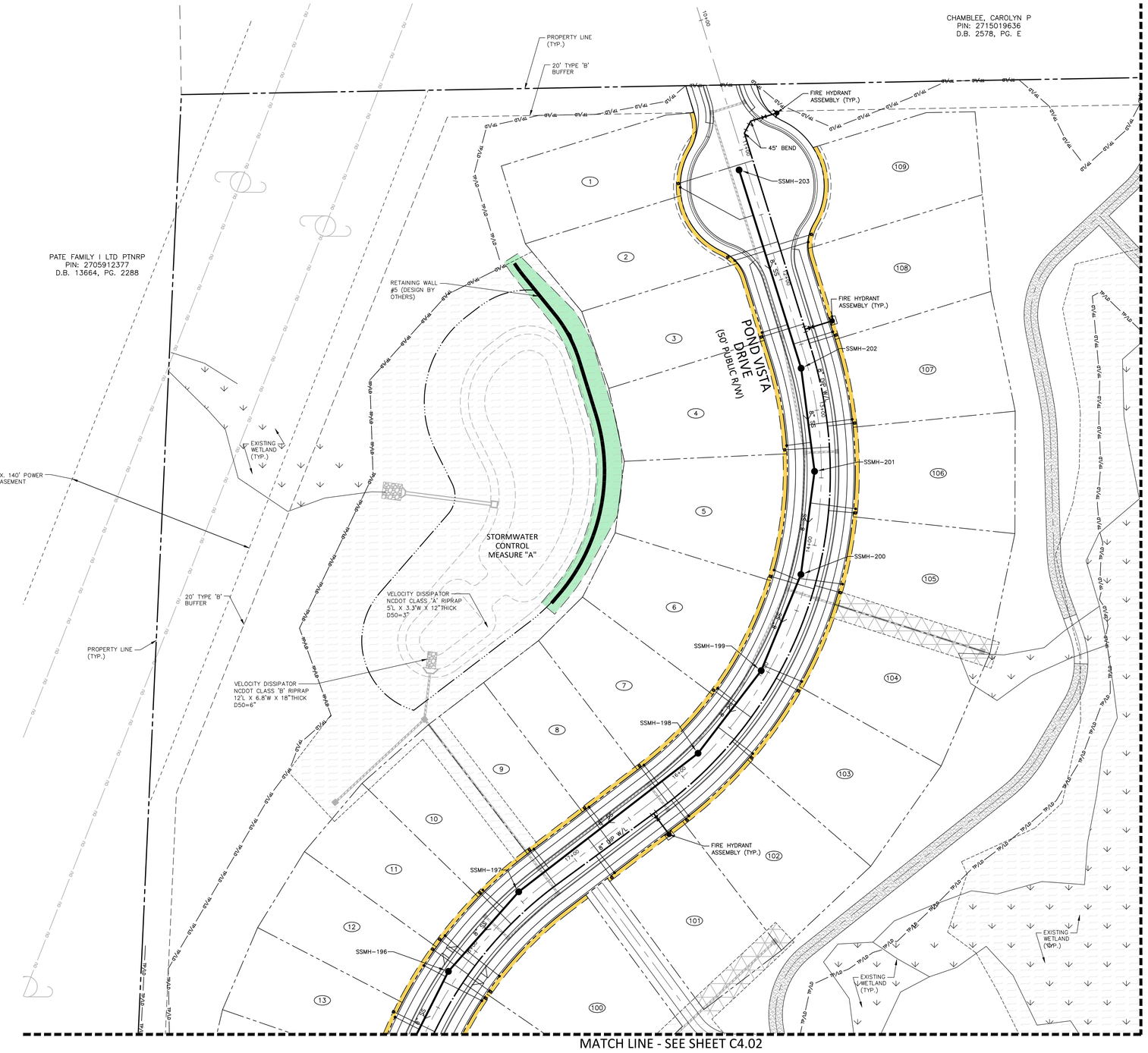
PROJECT NO.	DRH22004
FILENAME	DRH22004-U1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

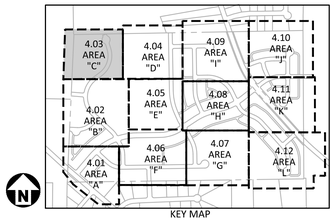
SHEET

UTILITY PLAN AREA "B"

C4.02

X:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-U1.dwg, 7/23/2024 5:20:31 PM, Zach Lee





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

UTILITY LEGEND

- FIRE HYDRANT ASSEMBLY
- FIRE DEPARTMENT CONNECTION (FDC)
- WATER METER
- WATER VALVE
- POST INDICATOR VALVE
- VALVE IN MANHOLE
- METER & VAULT
- BACKFLOW PREVENTER
- REDUCER
- PLUG
- BLOW-OFF ASSEMBLY
- SANITARY SEWER MANHOLE
- SEWER CLEAN-OUT
- GREASE TRAP
- SEWER FLOW DIRECTION ARROW
- YARD LIGHTS
- LIGHT POLE
- POWER POLE
- LINE BREAK SYMBOL
- WATERLINE
- WATER SERVICE LINE
- UTILITY SLEEVE
- SANITARY SEWER
- SEWER SERVICE LINE
- FM FM — SEWER FORCE MAIN
- G G G G — GAS LINE
- OU OU — OVERHEAD UTILITY
- UE UE — UNDERGROUND ELECTRIC
- T T T T — TELEPHONE
- EASEMENT LINE

EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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 # _____

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER RYAN K. BARKER
EXPIRES 12/31/2024
NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

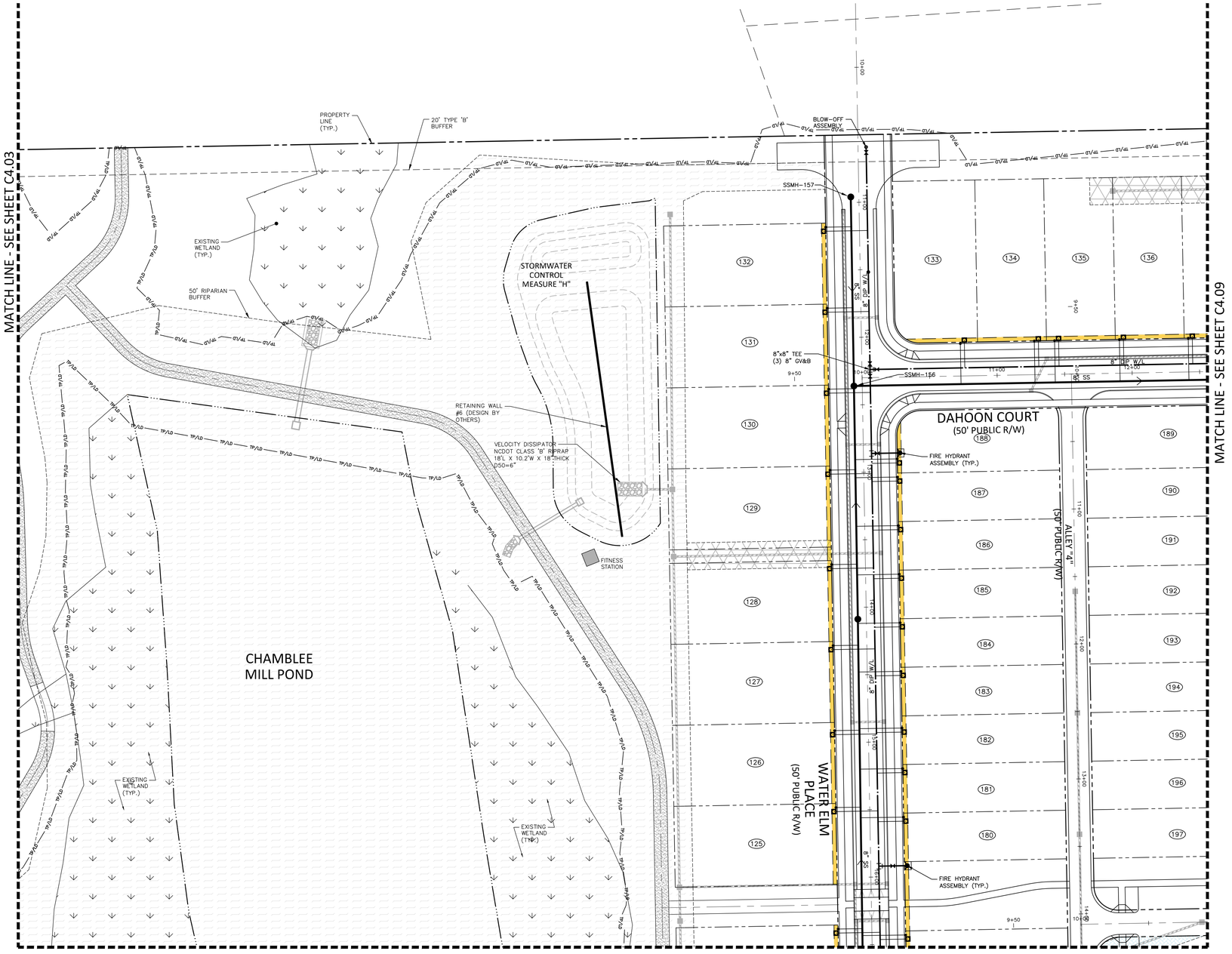
PLAN INFORMATION

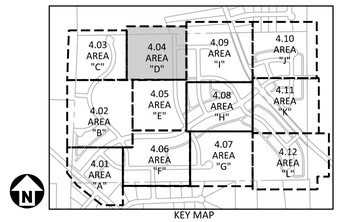
PROJECT NO.	DRH22004
FILENAME	DRH22004-U1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

SHEET

UTILITY PLAN
AREA "C"
C4.03

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-U1.dwg, 7/22/2024 5:20:33 PM, Zach Lee





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

UTILITY LEGEND

- FIRE HYDRANT ASSEMBLY
- FIRE DEPARTMENT CONNECTION (FDC)
- WATER METER
- WATER VALVE
- POST INDICATOR VALVE
- VALVE IN MANHOLE
- METER & VAULT
- BACKFLOW PREVENTER
- REDUCER
- PLUG
- BLOW-OFF ASSEMBLY
- SANITARY SEWER MANHOLE
- SEWER CLEAN-OUT
- GREASE TRAP
- SEWER FLOW DIRECTION ARROW
- YARD LIGHTS
- LIGHT POLE
- POWER POLE
- LINE BREAK SYMBOL
- WATERLINE
- WATER SERVICE LINE
- UTILITY SLEEVE
- SANITARY SEWER
- SEWER SERVICE LINE
- SEWER FORCE MAIN
- GAS LINE
- OVERHEAD UTILITY
- UNDERGROUND ELECTRIC
- TELEPHONE
- EASEMENT LINE

EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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 # _____

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER RYAN K. BARKER
PRELIMINARY NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

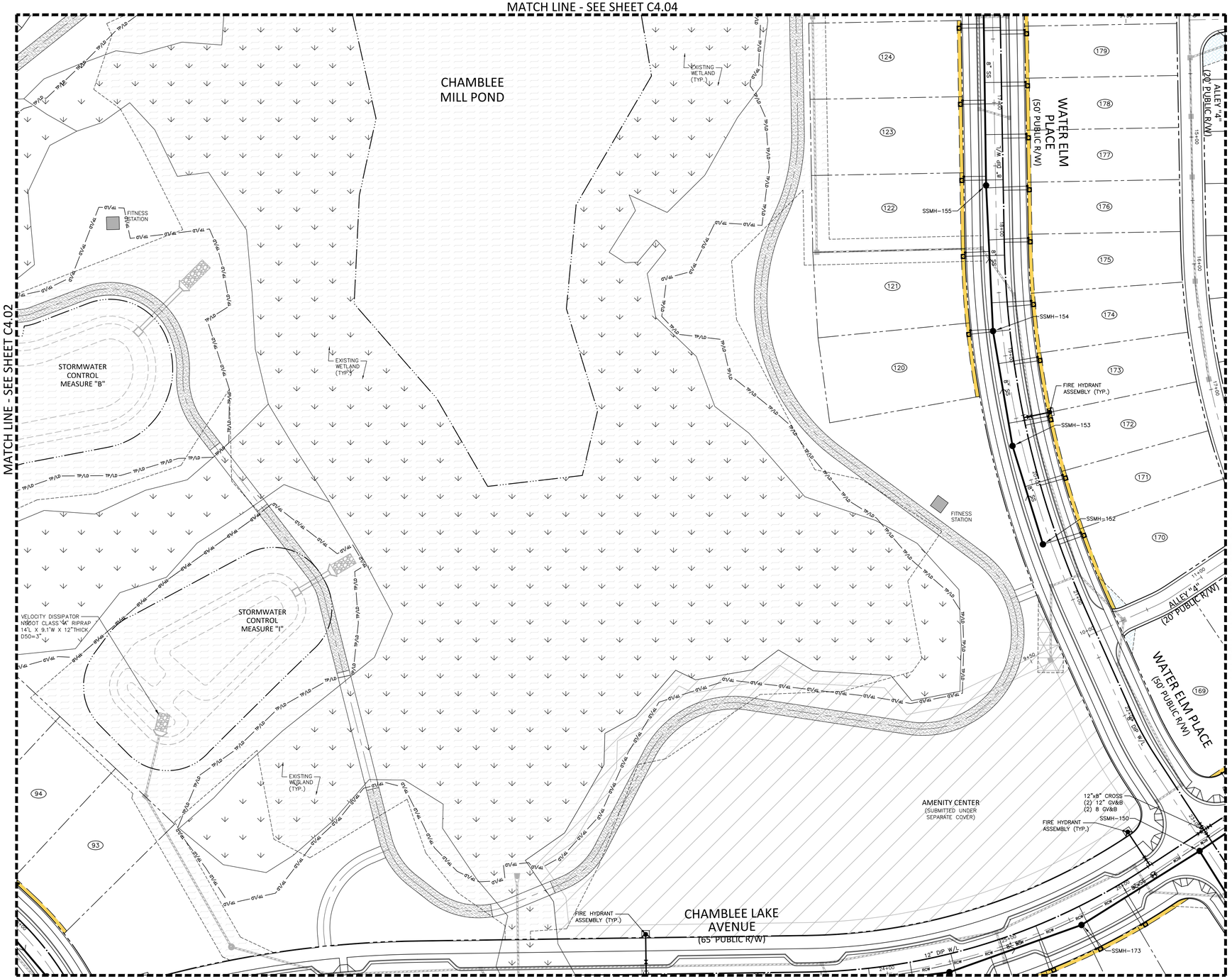
PLAN INFORMATION

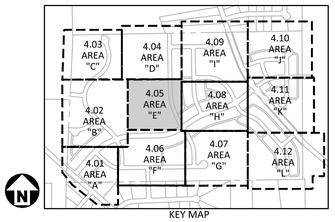
PROJECT NO.	DRH22004
FILENAME	DRH22004-U1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

SHEET

UTILITY PLAN
AREA "D"
C4.04

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-U1.dwg, 7/22/2024 5:20:35 PM, Zach Lee





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

UTILITY LEGEND

- FIRE HYDRANT ASSEMBLY
- FIRE DEPARTMENT CONNECTION (FDC)
- WATER METER
- WATER VALVE
- POST INDICATOR VALVE
- VALVE IN MANHOLE
- METER & VAULT
- BACKFLOW PREVENTER
- REDUCER
- PLUG
- BLOW-OFF ASSEMBLY
- SANITARY SEWER MANHOLE
- SEWER CLEAN-OUT
- GREASE TRAP
- SEWER FLOW DIRECTION ARROW
- YARD LIGHTS
- LIGHT POLE
- POWER POLE
- LINE BREAK SYMBOL
- WATERLINE
- WATER SERVICE LINE
- UTILITY SLEEVE
- SANITARY SEWER
- SEWER SERVICE LINE
- SEWER FORCE MAIN
- GAS LINE
- OVERHEAD UTILITY
- UNDERGROUND ELECTRIC
- TELEPHONE
- EASEMENT LINE

EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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 # _____

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 049483 ENGINEER ROBIN K. BARKER NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-U1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

SHEET

UTILITY PLAN AREA "E"

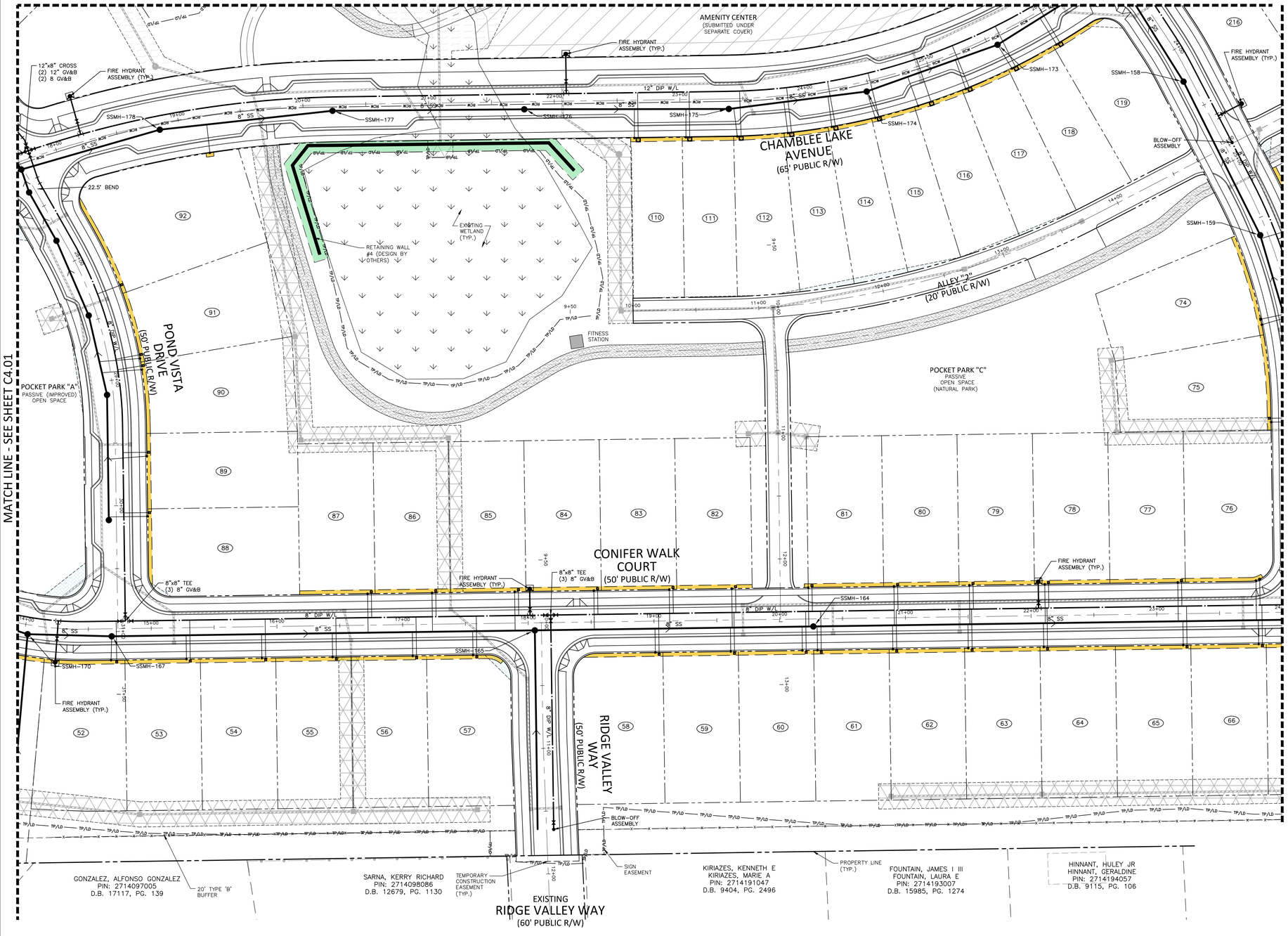
C4.05

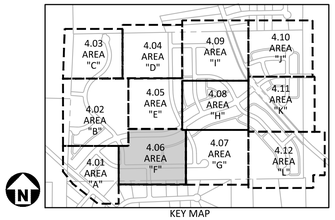
X:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-U1.dwg, 7/23/2024 5:20:36 PM, Zach Lee

MATCH LINE - SEE SHEET C4.05

MATCH LINE - SEE SHEET C4.01

MATCH LINE - SEE SHEET C4.07





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

UTILITY LEGEND

- FIRE HYDRANT ASSEMBLY
- FIRE DEPARTMENT CONNECTION (FDC)
- WATER METER
- WATER VALVE
- POST INDICATOR VALVE
- VALVE IN MANHOLE
- METER & VAULT
- BACKFLOW PREVENTER
- REDUCER
- PLUG
- BLOW-OFF ASSEMBLY
- SANITARY SEWER MANHOLE
- SEWER CLEAN-OUT
- GREASE TRAP
- SEWER FLOW DIRECTION ARROW
- YARD LIGHTS
- LIGHT POLE
- POWER POLE
- LINE BREAK SYMBOL
- WATERLINE
- WATER SERVICE LINE
- UTILITY SLEEVE
- SANITARY SEWER
- SEWER SERVICE LINE
- FM FM — SEWER FORCE MAIN
- G G G G — GAS LINE
- OU OU — OVERHEAD UTILITY
- UE UE — UNDERGROUND ELECTRIC
- T T T T — TELEPHONE
- EASEMENT LINE

EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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 # _____

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER RYAN K. BARKER
NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

PLAN INFORMATION

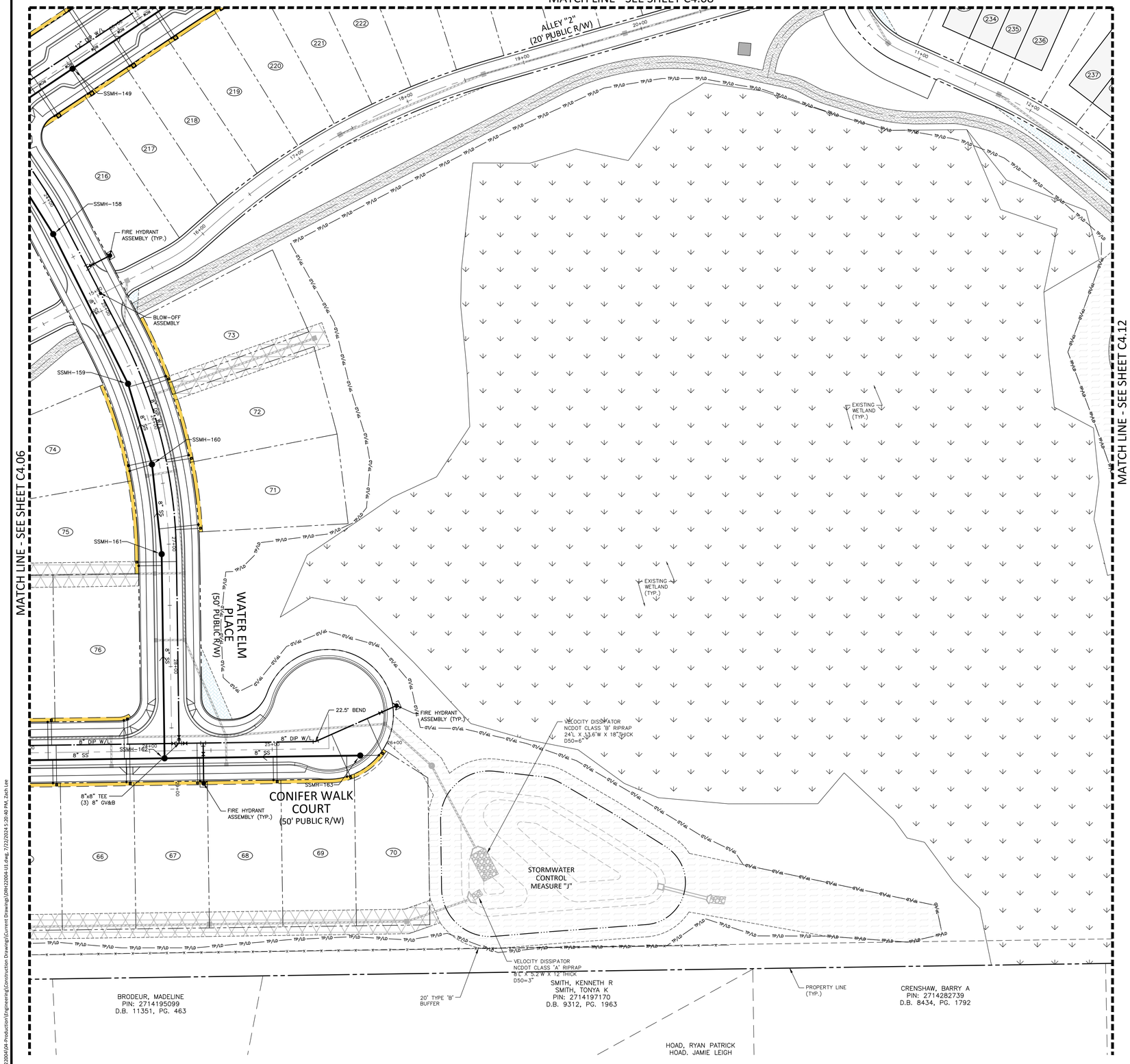
PROJECT NO.	DRH22004
FILENAME	DRH22004-U1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

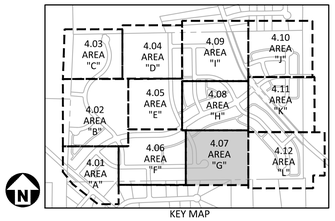
SHEET

UTILITY PLAN
AREA "F"

C4.06

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-U1.dwg, 7/22/2024 5:00:38 PM, Zach Lee





KEY MAP

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

UTILITY LEGEND

- FIRE HYDRANT ASSEMBLY
- FIRE DEPARTMENT CONNECTION (FDC)
- WATER METER
- WATER VALVE
- POST INDICATOR VALVE
- VALVE IN MANHOLE
- METER & VAULT
- BACKFLOW PREVENTER
- REDUCER
- PLUG
- BLOW-OFF ASSEMBLY
- SANITARY SEWER MANHOLE
- SEWER CLEAN-OUT
- GREASE TRAP
- SEWER FLOW DIRECTION ARROW
- YARD LIGHTS
- LIGHT POLE
- POWER POLE
- LINE BREAK SYMBOL
- WATERLINE
- WATER SERVICE LINE
- UTILITY SLEEVE
- SANITARY SEWER
- SEWER SERVICE LINE
- SEWER FORCE MAIN
- GAS LINE
- OVERHEAD UTILITY
- UNDERGROUND ELECTRIC
- TELEPHONE
- EASEMENT LINE

EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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 # _____

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 049483 RYAN K. BARKER
NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-U1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

SHEET

UTILITY PLAN
AREA "G"
C4.07

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-U1.dwg, 7/22/2024 5:20:40 PM, Zach Lee

MATCH LINE - SEE SHEET C4.09

MATCH LINE - SEE SHEET C4.05

MATCH LINE - SEE SHEET C4.11

MATCH LINE - SEE SHEET C4.07

CHINKAPIN OAK WAY (50' PUBLIC R/W)

SAND POST OAK LANE (50' PUBLIC R/W)

CHAMBLEE LAKE AVENUE (65' PUBLIC R/W)

EXISTING CHAMBLEE ROAD (60' PUBLIC R/W)

ALLEY "15" (20' PRIVATE R/W)

ALLEY "15" (20' PUBLIC R/W)

ALLEY "2" (20' PUBLIC R/W)

FITNESS STATION

FIRE HYDRANT ASSEMBLY (TYP.)

SSMH-120, SSMH-121, SSMH-122, SSMH-123, SSMH-124, SSMH-118, SSMH-119, SSMH-116, SSMH-117, SSMH-118A, SSMH-129, SSMH-130, SSMH-131, SSMH-141, SSMH-142, SSMH-143, SSMH-145, SSMH-146, SSMH-148, SSMH-149

8" SS, 8" DIP W/L, 12" DIP W/L

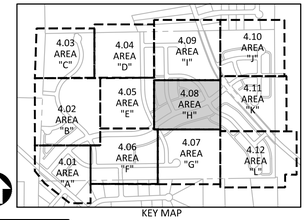
8"x8" TEE (3) 8" GV&B

12"x8" TEE (2) 12" GV&B (1) 8 GV&B

12"x8" CROSS (2) 12" GV&B (2) 8 GV&B

11.25° BEND

NOTE: CHAMBLEE ROAD OFFSITE UNDER SEPARATE COVER (SEE OFFSITE IMPROVEMENT DRAWINGS FOR REFERENCE)



KEY MAP

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

UTILITY LEGEND

- FIRE HYDRANT ASSEMBLY
- FIRE DEPARTMENT CONNECTION (FDC)
- WATER METER
- WATER VALVE
- POST INDICATOR VALVE
- VALVE IN MANHOLE
- METER & VAULT
- BACKFLOW PREVENTER
- REDUCER
- PLUG
- BLOW-OFF ASSEMBLY
- SANITARY SEWER MANHOLE
- SEWER CLEAN-OUT
- GREASE TRAP
- SEWER FLOW DIRECTION ARROW
- YARD LIGHTS
- LIGHT POLE
- POWER POLE
- LINE BREAK SYMBOL
- WATERLINE
- WATER SERVICE LINE
- UTILITY SLEEVE
- SANITARY SEWER
- SEWER SERVICE LINE
- SEWER FORCE MAIN
- GAS LINE
- OVERHEAD UTILITY
- UNDERGROUND ELECTRIC
- TELEPHONE
- EASEMENT LINE

EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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 # _____

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 049483 ENGINEER RYAN K. BARKER NOT TO BE USED FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

PLAN INFORMATION

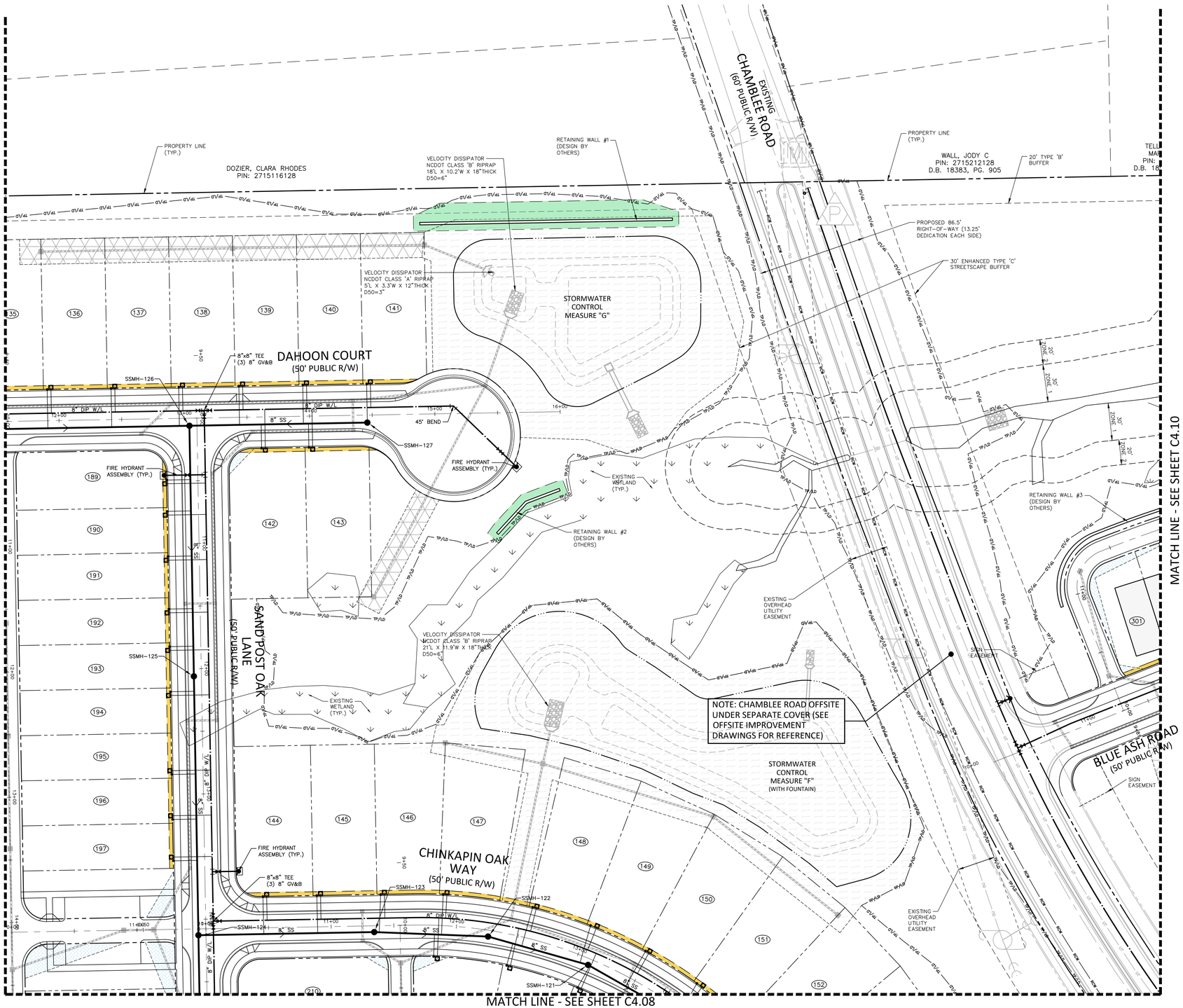
PROJECT NO.	DRH22004
FILENAME	DRH22004-U1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

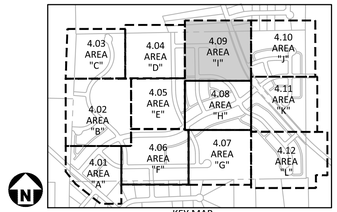
SHEET

UTILITY PLAN
AREA "H"

C4.08

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-U1.dwg, 7/22/2024 5:20:43 PM, Zach Lee





KEY MAP

NOTE: CHAMBLEE ROAD OFFSITE IMPROVEMENTS SUBMITTED UNDER SEPARATE COVER (SEE OFFSITE IMPROVEMENTS DRAWINGS FOR REFERENCE)

N

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

UTILITY LEGEND

- FIRE HYDRANT ASSEMBLY
- FIRE DEPARTMENT CONNECTION (FDC)
- WATER METER
- WATER VALVE
- POST INDICATOR VALVE
- VALVE IN MANHOLE
- METER & VAULT
- BACKFLOW PREVENTER
- REDUCER
- PLUG
- BLOW-OFF ASSEMBLY
- SANITARY SEWER MANHOLE
- SEWER CLEAN-OUT
- GREASE TRAP
- SEWER FLOW DIRECTION ARROW
- YARD LIGHTS
- LIGHT POLE
- POWER POLE
- LINE BREAK SYMBOL
- WATERLINE
- WATER SERVICE LINE
- UTILITY SLEEVE
- SANITARY SEWER
- SEWER SERVICE LINE
- FM — FM — SEWER FORCE MAIN
- G — G — G — G — GAS LINE
- OU — OU — OVERHEAD UTILITY
- UE — UE — UNDERGROUND ELECTRIC
- T — T — T — T — TELEPHONE
- EASEMENT LINE

EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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 # _____

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER RYAN K. BARKER — NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

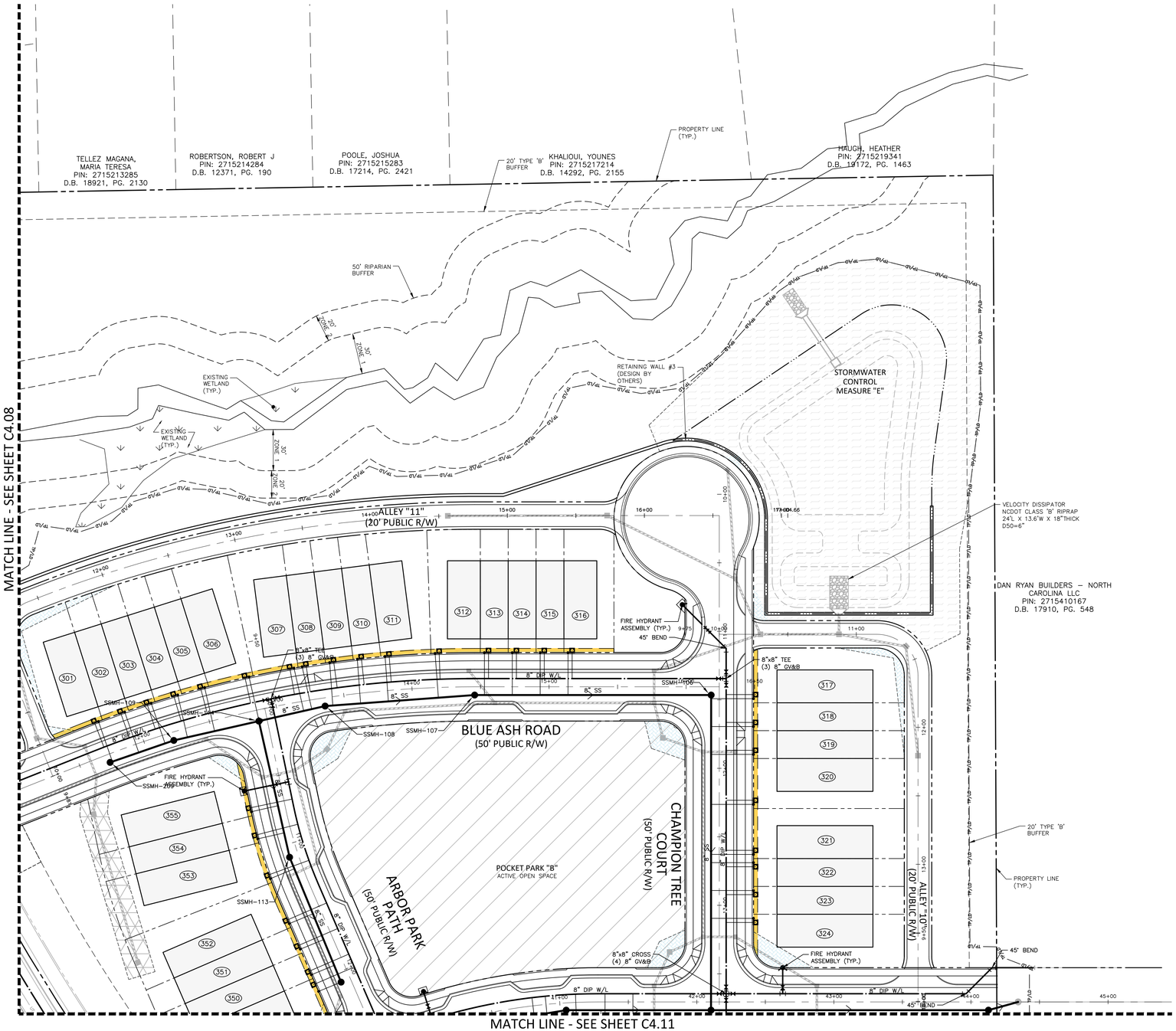
PLAN INFORMATION

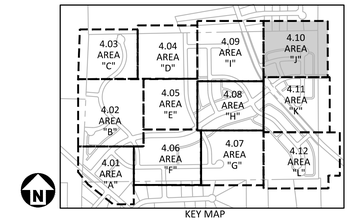
PROJECT NO.	DRH22004
FILENAME	DRH22004-U1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

SHEET

UTILITY PLAN
AREA "I"
C4.09

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-U1.dwg, 7/22/2024 5:20:44 PM, Zach Lee





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

UTILITY LEGEND

- FIRE HYDRANT ASSEMBLY
- FIRE DEPARTMENT CONNECTION (FDC)
- WATER METER
- WATER VALVE
- POST INDICATOR VALVE
- VALVE IN MANHOLE
- METER & VAULT
- BACKFLOW PREVENTER
- REDUCER
- PLUG
- BLOW–OFF ASSEMBLY
- SANITARY SEWER MANHOLE
- SEWER CLEAN–OUT
- GREASE TRAP
- SEWER FLOW DIRECTION ARROW
- YARD LIGHTS
- LIGHT POLE
- POWER POLE
- LINE BREAK SYMBOL
- WATERLINE
- WATER SERVICE LINE
- UTILITY SLEEVE
- SANITARY SEWER
- SEWER SERVICE LINE
- SEWER FORCE MAIN
- GAS LINE
- OVERHEAD UTILITY
- UNDERGROUND ELECTRIC
- TELEPHONE
- EASEMENT LINE

EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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 # _____

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 049483 RYAN K. BARKER NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

PLAN INFORMATION

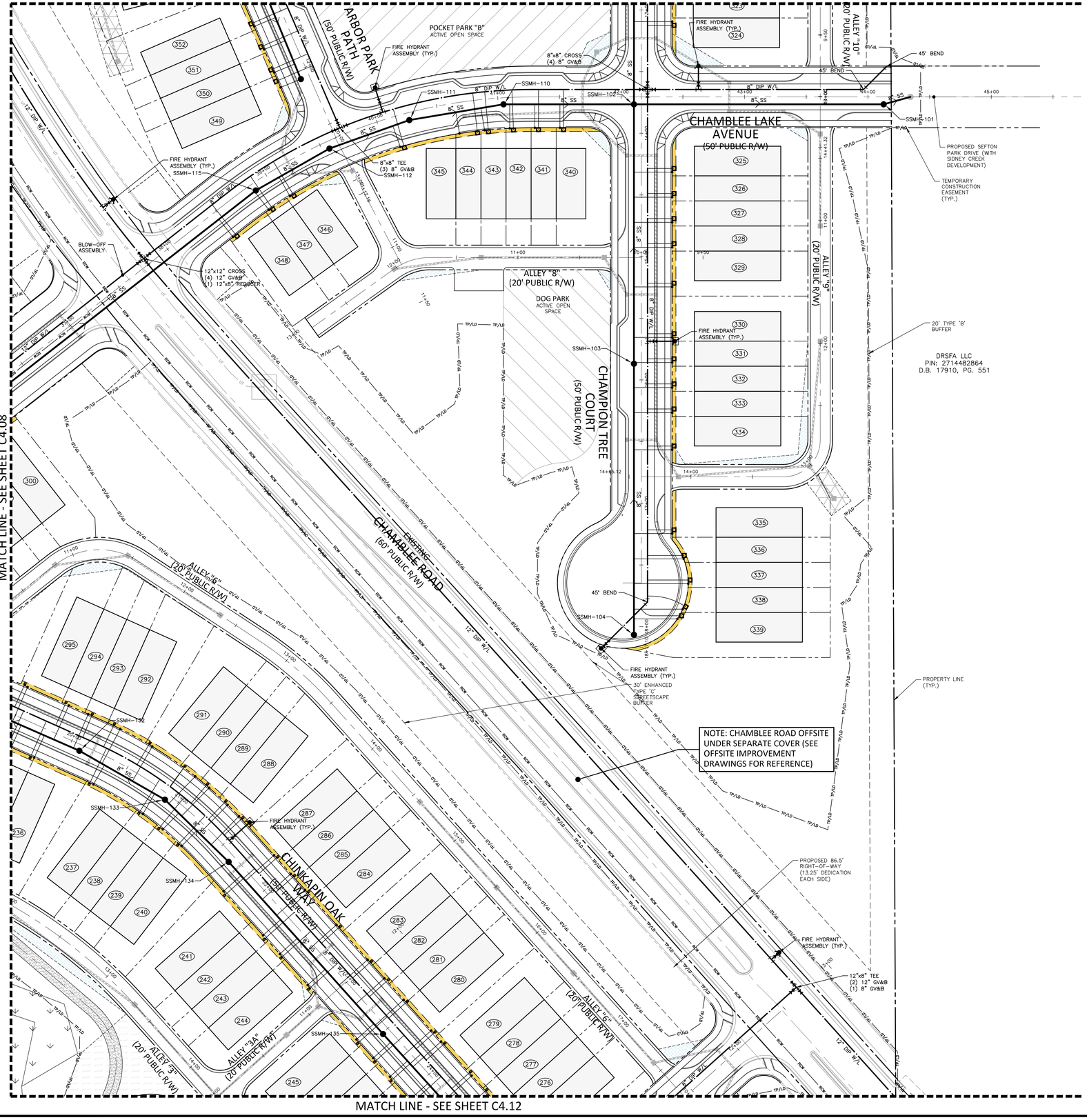
PROJECT NO.	DRH22004
FILENAME	DRH22004-U1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

SHEET

UTILITY PLAN
AREA "J"
C4.10

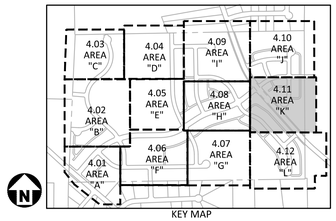
X:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-U1.dwg, 7/23/2024 5:20:46 PM, Zach Lee

MATCH LINE - SEE SHEET C4.10



MATCH LINE - SEE SHEET C4.08

MATCH LINE - SEE SHEET C4.12



KEY MAP

N

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

UTILITY LEGEND

- FIRE HYDRANT ASSEMBLY
- FIRE DEPARTMENT CONNECTION (FDC)
- WATER METER
- WATER VALVE
- POST INDICATOR VALVE
- VALVE IN MANHOLE
- METER & VAULT
- BACKFLOW PREVENTER
- REDUCER
- PLUG
- BLOW-OFF ASSEMBLY
- SANITARY SEWER MANHOLE
- SEWER CLEAN-OUT
- GREASE TRAP
- SEWER FLOW DIRECTION ARROW
- YARD LIGHTS
- LIGHT POLE
- POWER POLE
- LINE BREAK SYMBOL
- WATERLINE
- WATER SERVICE LINE
- UTILITY SLEEVE
- SANITARY SEWER
- SEWER SERVICE LINE
- SEWER FORCE MAIN
- GAS LINE
- OVERHEAD UTILITY
- UNDERGROUND ELECTRIC
- TELEPHONE
- EASEMENT LINE

EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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 # _____

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER RYAN K. BARKER — NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

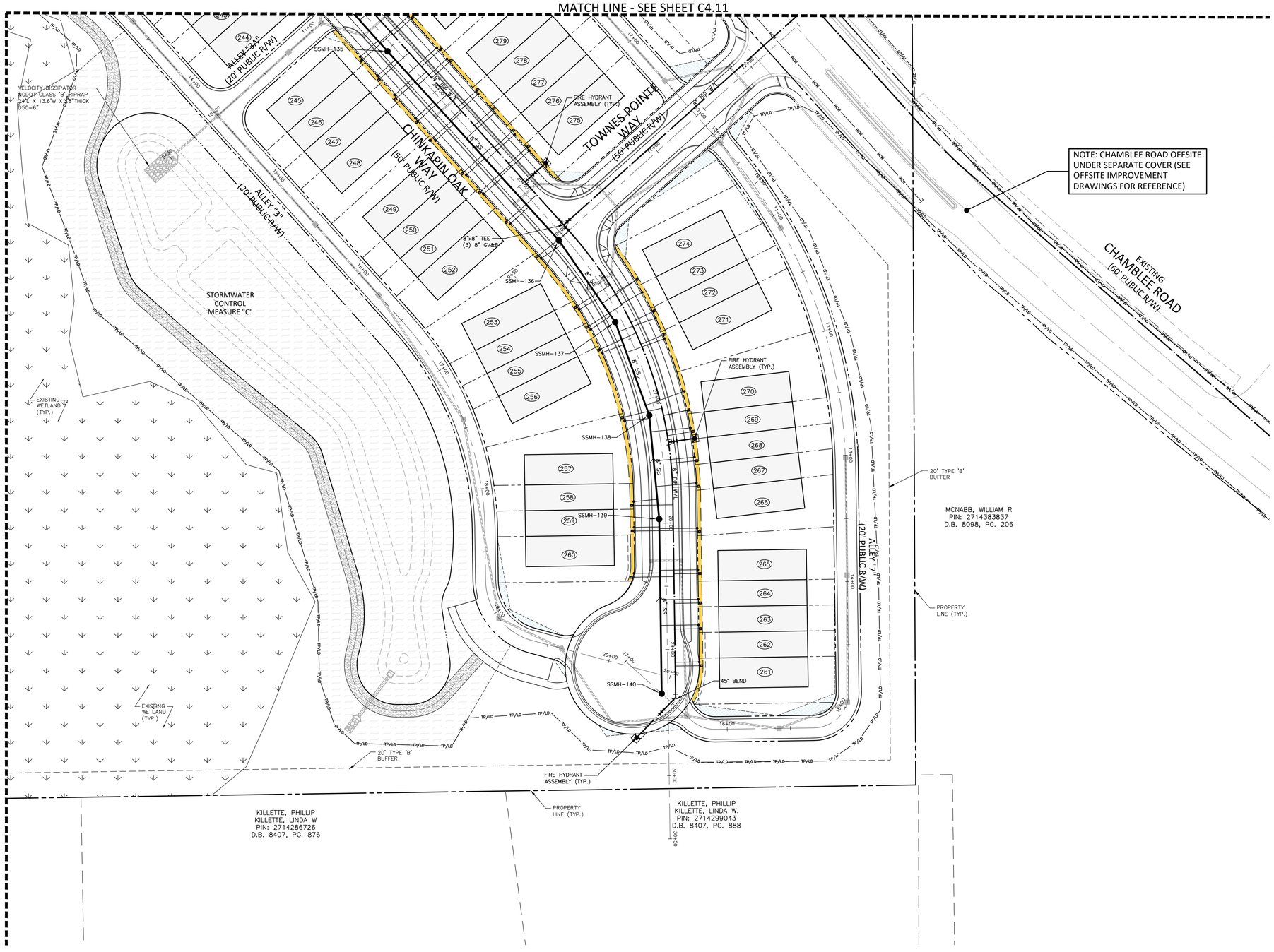
PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-U1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

SHEET

UTILITY PLAN
AREA "K"
C4.11

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawing\Current Drawings\DRH22004-U1.dwg, 7/22/2024 5:20:49 PM, Zach Lee



UTILITY LEGEND

- FIRE HYDRANT ASSEMBLY
- FIRE DEPARTMENT CONNECTION (FDC)
- WATER METER
- WATER VALVE
- POST INDICATOR VALVE
- VALVE IN MANHOLE
- METER & VAULT
- BACKFLOW PREVENTER
- REDUCER
- PLUG
- BLOW-OFF ASSEMBLY
- SANITARY SEWER MANHOLE
- SEWER CLEAN-OUT
- GREASE TRAP
- SEWER FLOW DIRECTION ARROW
- YARD LIGHTS
- LIGHT POLE
- POWER POLE
- LINE BREAK SYMBOL
- WATERLINE
- WATER SERVICE LINE
- UTILITY SLEEVE
- SANITARY SEWER
- SEWER SERVICE LINE
- SEWER FORCE MAIN
- GAS LINE
- OVERHEAD UTILITY
- UNDERGROUND ELECTRIC
- TELEPHONE
- EASEMENT LINE

EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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 # _____

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER ALAN K. BARKER
PRELIMINARY NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

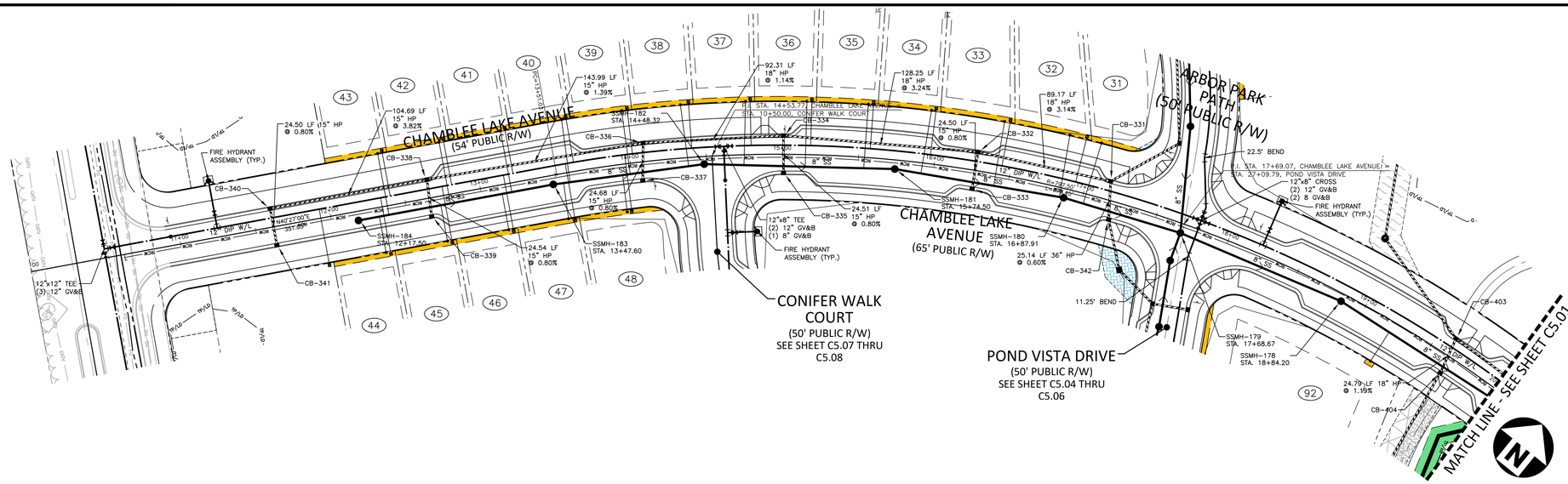
PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-U1
CHECKED BY	RKB
DRAWN BY	
SCALE	1"=40'
DATE	05. 24. 2024

SHEET

UTILITY PLAN
AREA "L"
C4.12

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-U1.dwg, 7/22/2024 5:20:51 PM, Zach Lee



CB-331
STA 17+14.97
T/C=326.70
INV IN=323.00 (CB-332)
INV IN=313.40 (CB-342)
INV OUT=313.30

CB-332
STA 16+27.10
T/C=330.01
INV IN=326.05 (CB-334)
INV IN=326.30 (CB-333)
INV OUT=325.80

CB-333
STA 16+27.10
T/C=330.01
INV OUT=326.50

CB-334
STA 15+00.65
T/C=334.20
INV IN=330.50 (CB-336)
INV IN=330.60 (CB-335)
INV OUT=330.20

CB-335
STA 15+00.81
T/C=334.20
INV OUT=330.80

CB-336
STA 14+09.69
T/C=335.36
INV IN=331.80 (CB-338)
INV IN=331.80 (CB-337)
INV OUT=331.55

CB-337
STA 14+06.74
T/C=335.39
INV OUT=332.00

CB-338
STA 12+66.57
T/C=337.46
INV IN=333.90 (CB-340)
INV IN=333.90 (CB-339)
INV OUT=333.80

CB-339
STA 12+65.25
T/C=337.50
INV OUT=334.10

CB-340
STA 11+61.88
T/C=341.58
INV IN=338.00 (CB-341)
INV OUT=337.90

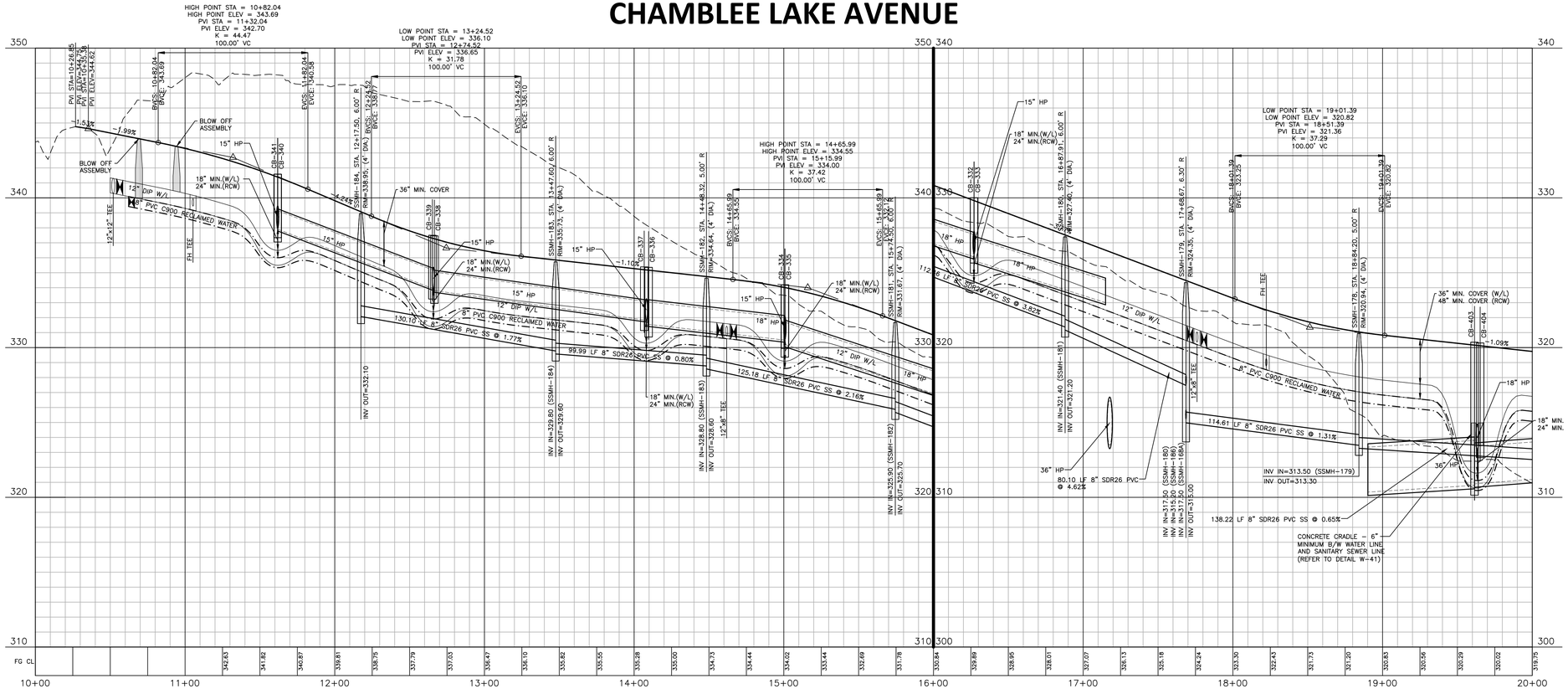
CB-341
STA 11+61.88
T/C=341.58
INV OUT=338.20

CB-342
STA 17+20.57
T/C=326.48
INV IN=313.65 (DI-343)
INV OUT=313.55

CB-403
STA 19+61.43
T/C=320.36
INV IN=310.90 (CB-413)
INV IN=313.10 (CB-404)
INV OUT=310.80

CB-404
STA 19+65.22
T/C=320.31
INV IN=313.50 (DI-405)
INV OUT=313.40

CHAMBLEE LAKE AVENUE



EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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

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 # _____

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McAdams
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT
D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER RYAN K. BARKER
NOT FOR CONSTRUCTION

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

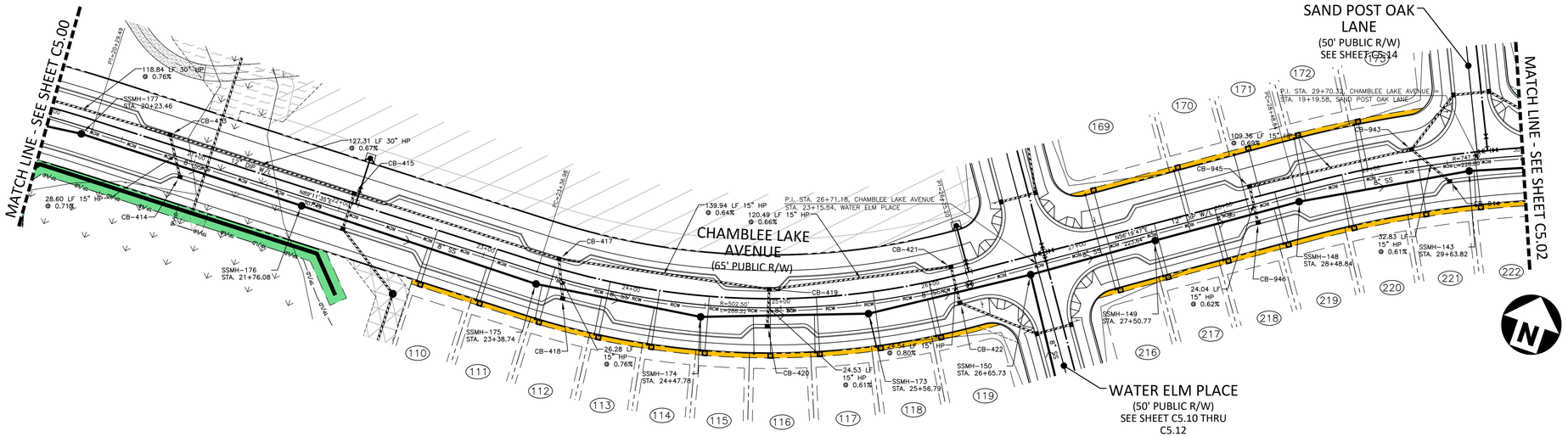
PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-P1
CHECKED BY	RKB
DRAWN BY	CAJ
SCALE	1"=40'/1"=4'
DATE	02. 26. 2024

PLAN AND PROFILE
CHAMBLEE LAKE AVENUE, STA. 10+00 THRU STA. 20+00

C5.00

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-P1.dwg, 7/22/2024 5:21:07 PM, Zach Lee



CB-413
STA 20+79.28
T/C=319.10
INV IN=311.90 (CB-415)
INV IN=313.30 (CB-414)
INV OUT=311.80

CB-414
STA 20+94.03
T/C=318.98
INV OUT=313.50

CB-415
STA 22+06.59
T/C=318.54
INV IN=313.30 (CB-417)
INV IN=312.85 (CB-415A)
INV OUT=312.75

CB-417
STA 23+48.38
T/C=319.24
INV IN=314.40 (CB-419)
INV IN=314.70 (CB-418)
INV OUT=314.20

CB-418
STA 23+57.91
T/C=319.33
INV OUT=314.90

CB-419
STA 24+92.31
T/C=320.68
INV IN=315.50 (CB-421)
INV IN=315.55 (CB-420)
INV OUT=315.30

CB-420
STA 24+91.00
T/C=320.66
INV OUT=315.70

CB-421
STA 26+16.12
T/C=321.39
INV IN=316.40 (CB-422)
INV OUT=316.30

CB-422
STA 26+16.12
T/C=321.39
INV IN=316.70 (CB-423)
INV OUT=316.60

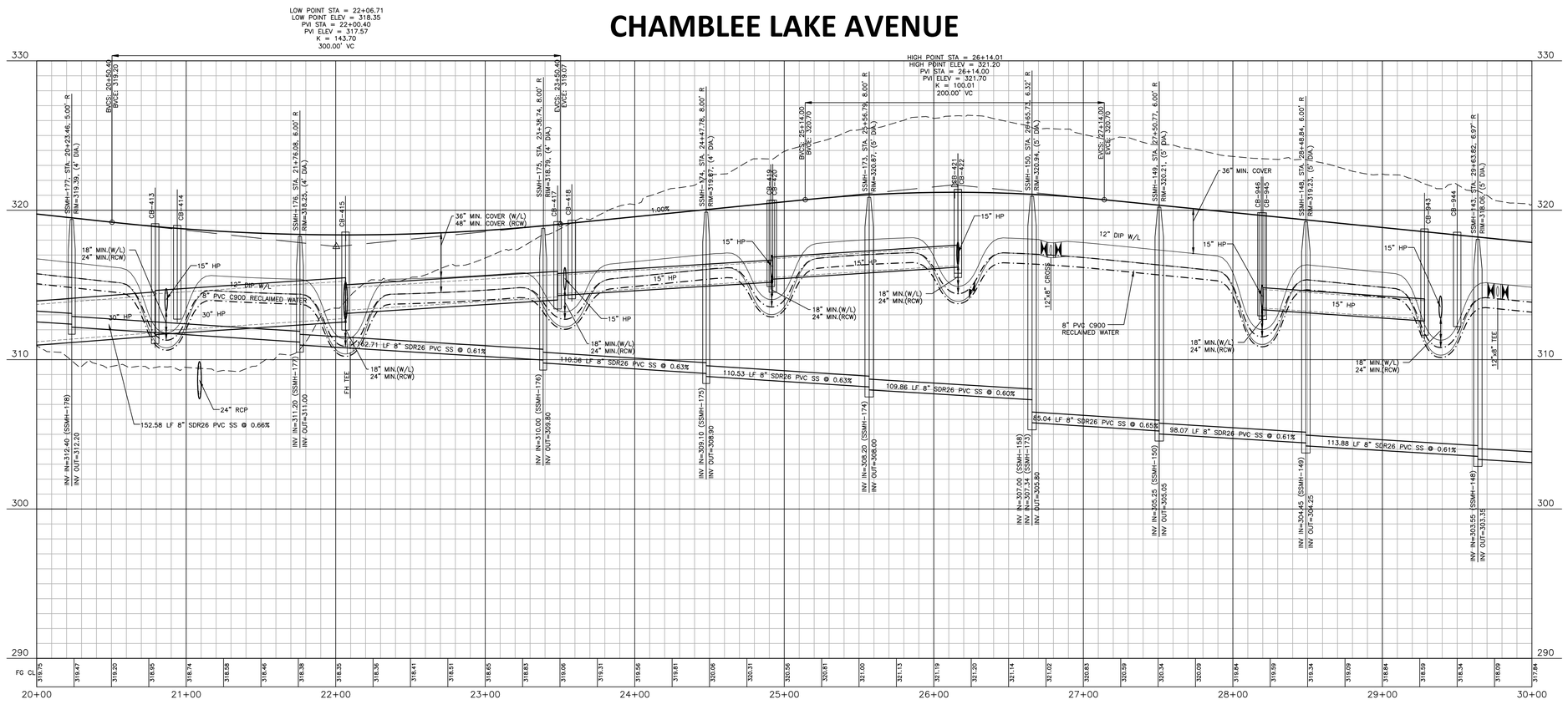
CB-943
STA ???
T/C=318.75
INV IN=312.70 (CB-945)
INV IN=312.80 (CB-944)
INV OUT=312.40

CB-944
STA ???
T/C=318.53
INV OUT=313.00

CB-945
STA ???
T/C=319.83
INV IN=313.55 (CB-946)
INV OUT=313.45

CB-946
STA ???
T/C=319.84
INV OUT=313.70

CHAMBLEE LAKE AVENUE



EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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

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 # _____

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT
D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614
D·R·HORTON America's Builder

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 049483 BRIAN K. BARKER

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

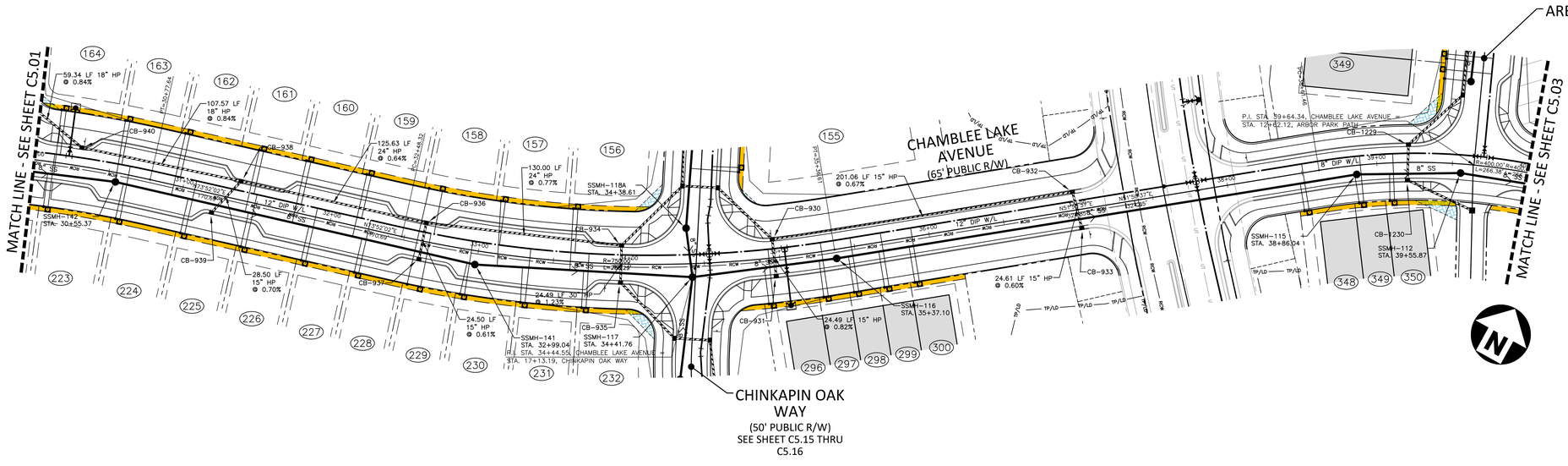
PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-P1
CHECKED BY	RKB
DRAWN BY	CAJ
SCALE	1"=40'/1"=4'
DATE	02. 26. 2024

PLAN AND PROFILE
CHAMBLEE LAKE AVENUE, STA. 20+00 THRU STA. 30+00

C5.01

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-P1.dwg, 7/22/2024 5:21:11 PM, Zach Lee



CB-930
STA ???
T/C=313.32
INV IN=308.30 (CB-932)
INV IN=309.70 (CB-931)
INV OUT=308.20

CB-931
STA ???
T/C=313.32
INV OUT=309.90

CB-932
STA ???
T/C=316.30
INV IN=309.75 (CB-933)
INV OUT=309.65

CB-933
STA ???
T/C=316.34
INV OUT=309.90

CB-934
STA ???
T/C=314.08
INV IN=307.00 (CB-935)
INV IN=307.50 (CB-936)
INV OUT=306.60

CB-935
STA ???
T/C=314.09
INV IN=307.70 (CB-947)
INV OUT=307.30

CB-936
STA ???
T/C=315.41
INV IN=308.60 (CB-938)
INV IN=309.25 (CB-937)
INV OUT=308.50

CB-937
STA ???
T/C=315.41
INV OUT=309.40

CB-938
STA ???
T/C=316.67
INV IN=309.90 (CB-940)
INV IN=310.20 (CB-939)
INV OUT=309.40

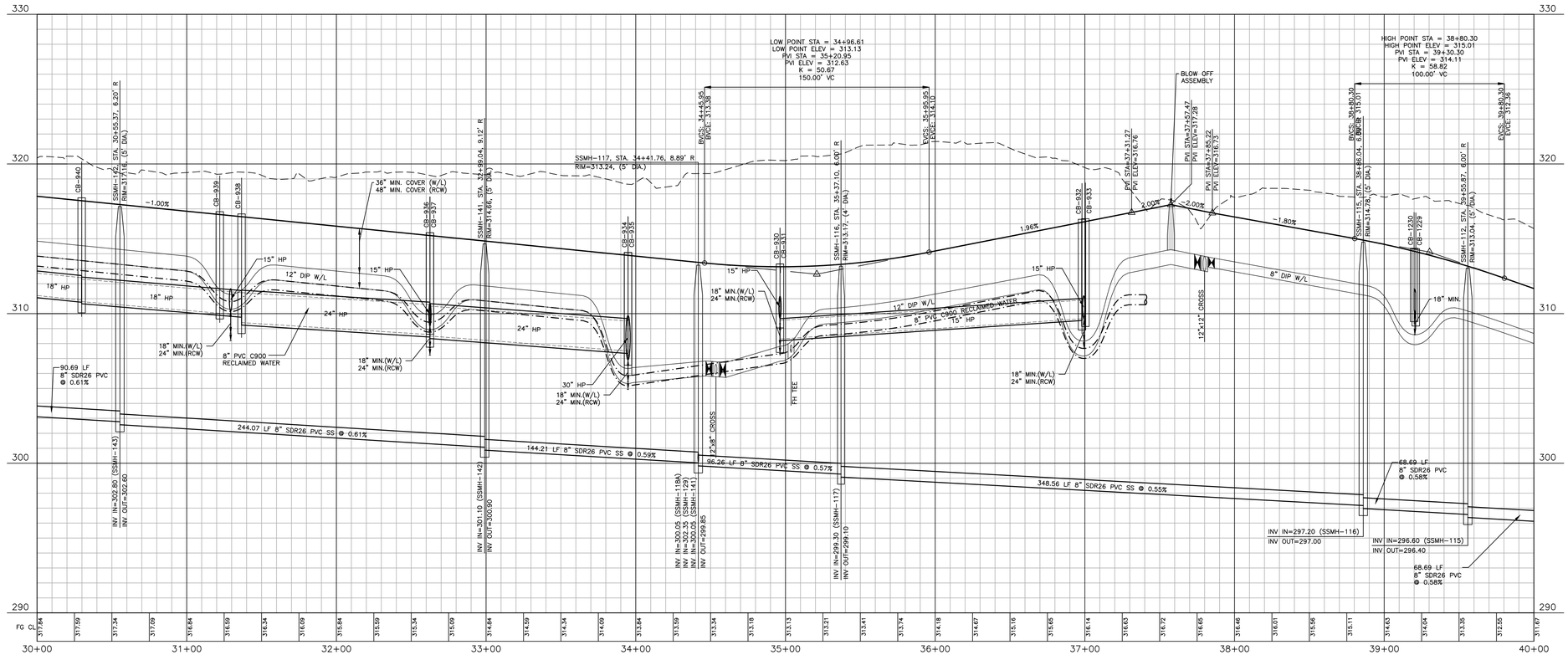
CB-939
STA ???
T/C=316.81
INV OUT=310.40

CB-940
STA ???
T/C=317.74
INV IN=310.90 (CB-941)
INV OUT=310.80

CB-1229
STA 39+21.08
T/C=314.34
INV IN=310.10 (CB-1230)
INV OUT=310.00

CB-1230
STA 39+20.00
T/C=314.36
INV IN=310.40 (DI-1231)
INV OUT=310.30

CHAMBLEE LAKE AVENUE



EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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

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 # _____

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

M:\Projects\DRH\DRH22004\04 Production\Engineering\Construction Drawings\Current Drawings\DRH22004-P1.dwg, 7/22/2024 5:23:14 PM, Zach Lee

McAdams
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT
D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614
D·R·HORTON America's Builder

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER RYAN K. BARKER
NOT FOR CONSTRUCTION

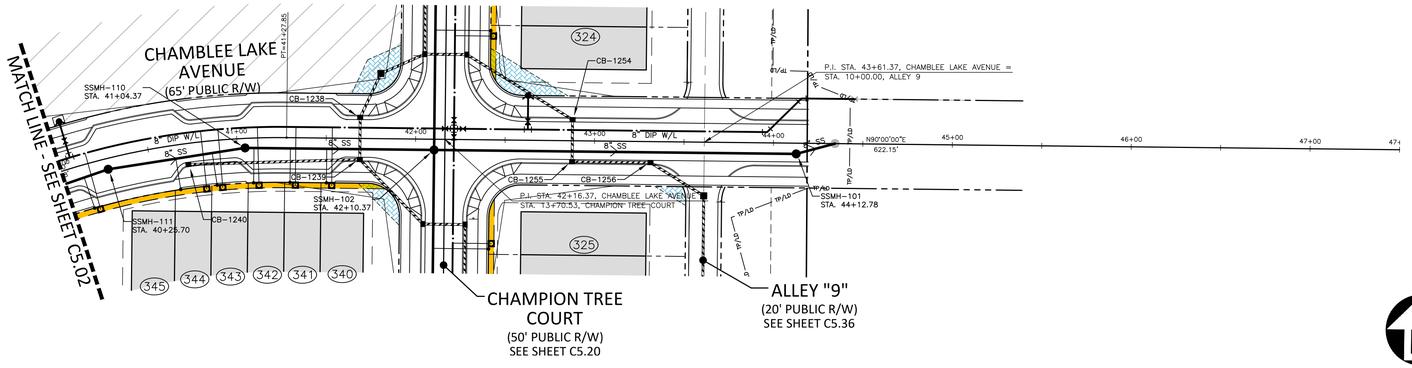
CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-P1
CHECKED BY	RKB
DRAWN BY	CAJ
SCALE	1"=40'/1"=4'
DATE	02. 26. 2024

PLAN AND PROFILE
CHAMBLEE LAKE AVENUE, STA. 30+00 THRU STA. 40+00

C5.02



CB-1238
STA 41+68.87
T/C=305.96
INV IN=296.60 (CB-1239)
INV OUT=296.50

CB-1239
STA 41+68.87
T/C=305.96
INV IN=296.90 (CB-1241)
INV IN=302.20 (CB-1240)
INV OUT=296.80

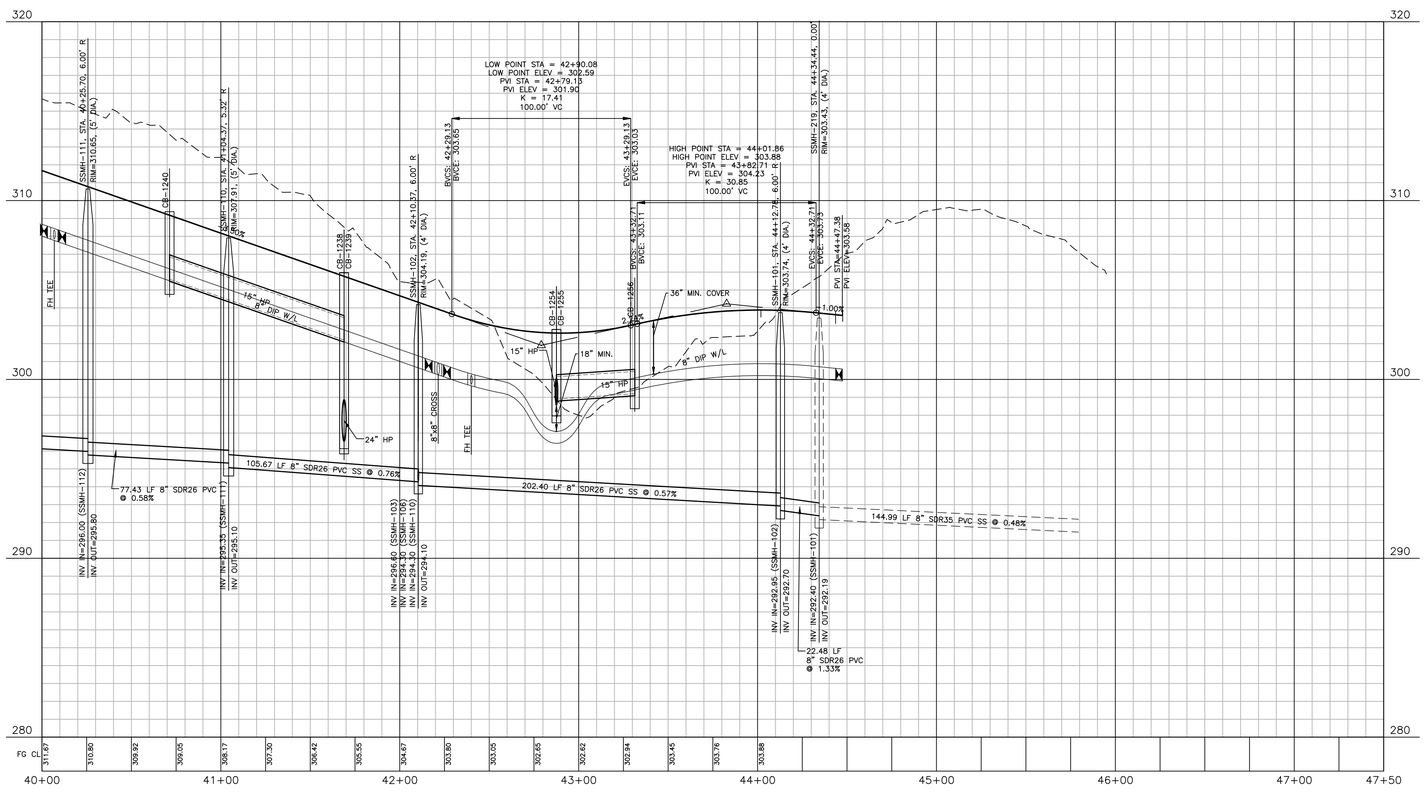
CB-1240
STA 40+71.31
T/C=309.38
INV OUT=305.60

CB-1254
STA 42+87.59
T/C=302.79
INV IN=298.60 (CB-1255)
INV OUT=298.40

CB-1255
STA 42+87.59
T/C=302.79
INV IN=298.90 (CB-1256)
INV OUT=298.80

CB-1256
STA 43+31.37
T/C=303.28
INV IN=299.30 (DI-1257)
INV OUT=299.20

CHAMBLEE LAKE AVENUE



EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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

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 # _____

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603

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

www.mcadamsco.com

CLIENT
D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 049483 BRIAN K. BARKER

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

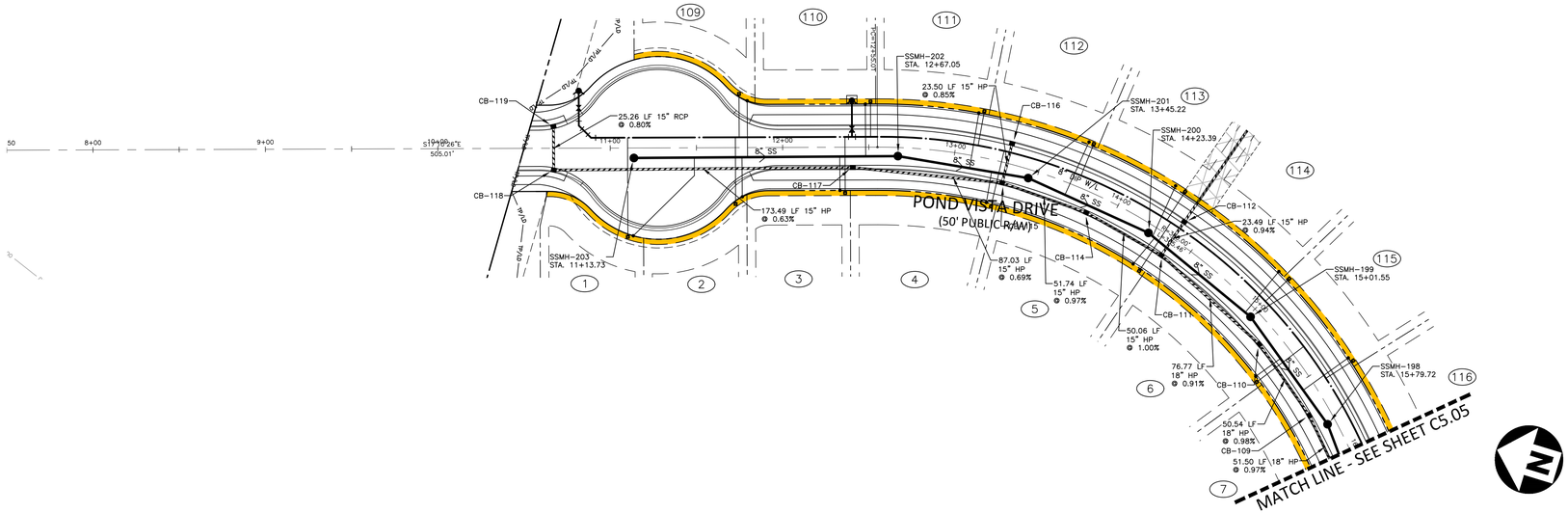
PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-P1
CHECKED BY	RKB
DRAWN BY	CAJ
SCALE	1"=40'/1"=4'
DATE	02. 26. 2024

PLAN AND PROFILE
CHAMBLEE LAKE AVENUE, STA. 40+00 THRU STA. 47+50

C5.03

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-P1.dwg, 7/22/2024 5:21:17 PM, Zach Lee



CB-109
STA 15+69.91
T/C=329.89
INV IN=321.20 (CB-110)
INV OUT=321.10

CB-110
STA 15+17.24
T/C=330.47
INV IN=321.80 (CB-111)
INV OUT=321.70

CB-111
STA 14+37.11
T/C=331.35
INV IN=322.80 (CB-114)
INV IN=322.90 (CB-112)
INV OUT=322.50

CB-112
STA 14+37.11
T/C=331.35
INV IN=324.52 (DI-113)
INV OUT=323.12

CB-114
STA 13+84.94
T/C=331.93
INV IN=323.40 (CB-115)
INV OUT=323.30

CB-115
STA 13+31.01
T/C=332.52
INV IN=324.00 (CB-117)
INV IN=324.00 (CB-116)
INV OUT=323.90

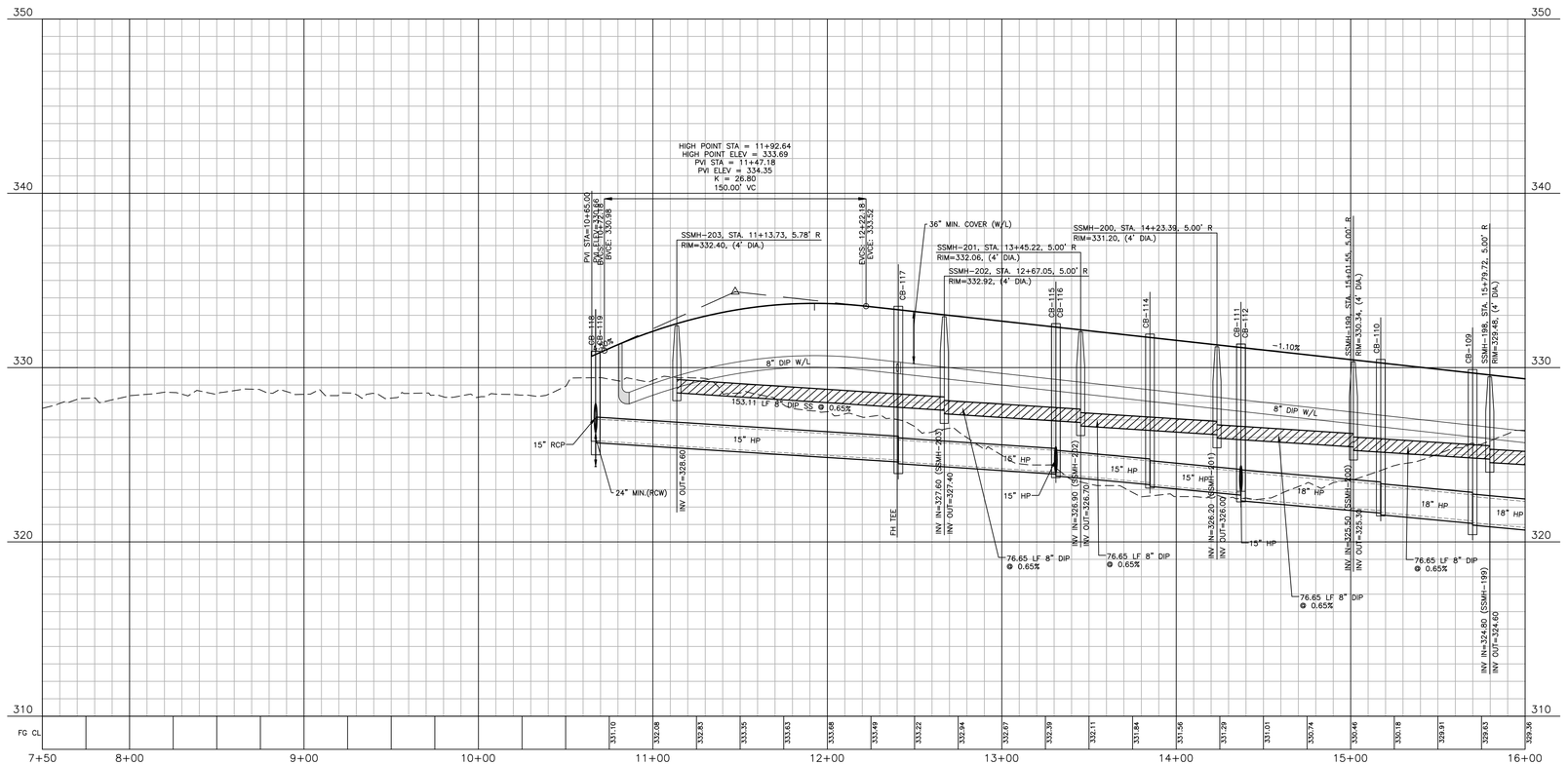
CB-116
STA 13+31.01
T/C=332.52
INV OUT=324.20

CB-117
STA 12+40.71
T/C=333.52
INV IN=324.70 (CB-118)
INV OUT=324.60

CB-118
STA 10+67.23
T/C=330.94
INV IN=326.40 (CB-119)
INV OUT=325.80

CB-119
STA 10+67.12
T/C=330.93
INV OUT=326.60

POND VISTA DRIVE



EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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

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 # _____

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawing\DRH22004-P1.dwg, 7/23/2024 5:23:23 PM, Zach Lee

The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603

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

www.mcadamsco.com

CLIENT
D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER RYAN K. BARKER

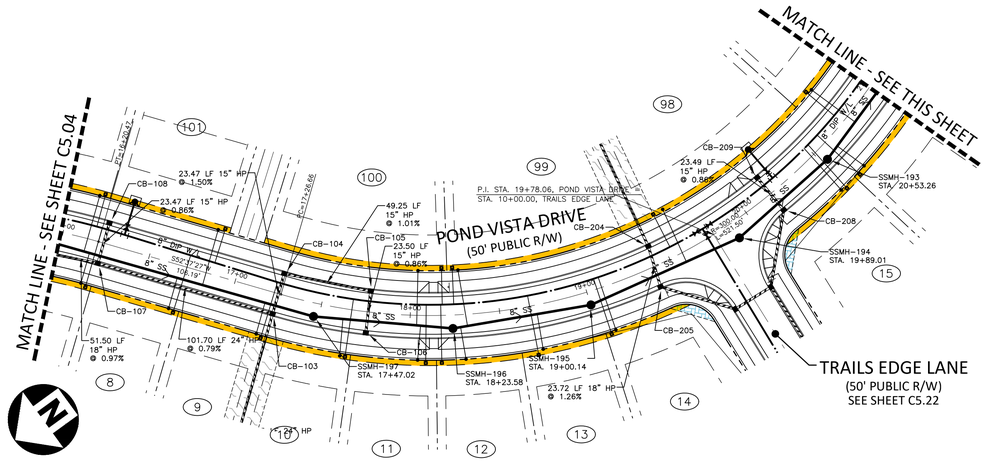
CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

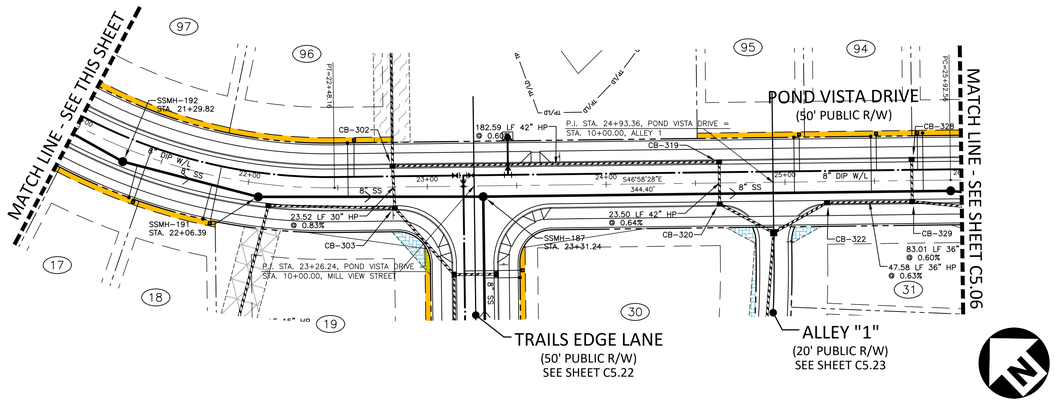
PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-P1
CHECKED BY	RKB
DRAWN BY	CAJ
SCALE	1"=40'/1"=4'
DATE	02. 26. 2024

PLAN AND PROFILE
POND VISTA DRIVE, STA. 7+50 THRU STA. 16+00

C5.04





CB-103
STA 17+25.16
T/C=328.18
INV IN=319.20 (CB-107)
INV IN=319.05 (CB-104)
INV OUT=318.20

CB-104
STA 17+25.19
T/C=328.18
INV IN=319.50 (CB-105)
INV OUT=319.40

CB-105
STA 17+76.45
T/C=327.86
INV IN=320.10 (CB-106)
INV OUT=320.00

CB-106
STA 17+76.45
T/C=327.86
INV OUT=320.30

CB-107
STA 16+23.46
T/C=329.30
INV IN=320.60 (CB-109)
INV IN=321.30 (CB-108)
INV OUT=320.00

CB-108
STA 16+23.46
T/C=329.30
INV OUT=321.50

CB-204
STA 19+42.14
T/C=329.19
INV IN=318.30 (CB-205)
INV OUT=318.00

CB-205
STA 19+38.91
T/C=329.15
INV IN=322.20 (CB-206)
INV OUT=318.60

CB-208
STA 20+17.20
T/C=329.77
INV IN=326.30 (CB-209)
INV OUT=326.20

CB-209
STA 20+17.20
T/C=329.77
INV OUT=326.50

CB-302
STA 22+80.77
T/C=327.84
INV IN=309.95 (CB-319)
INV IN=313.00 (CB-303)
INV OUT=309.85

CB-303
STA 22+81.74
T/C=327.82
INV IN=323.10 (CB-304)
INV IN=320.40 (CB-315)
INV OUT=313.20

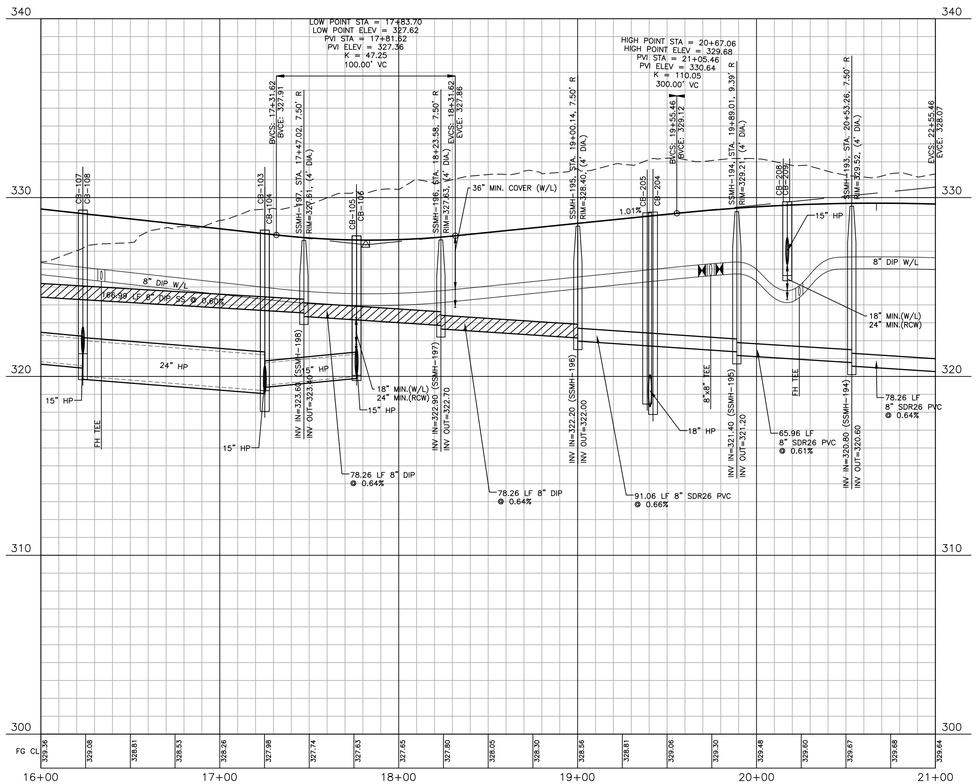
CB-319
STA 24+63.36
T/C=324.71
INV IN=311.15 (CB-320)
INV OUT=311.05

CB-320
STA 24+63.36
T/C=324.71
INV IN=311.40 (DI-321)
INV OUT=311.30

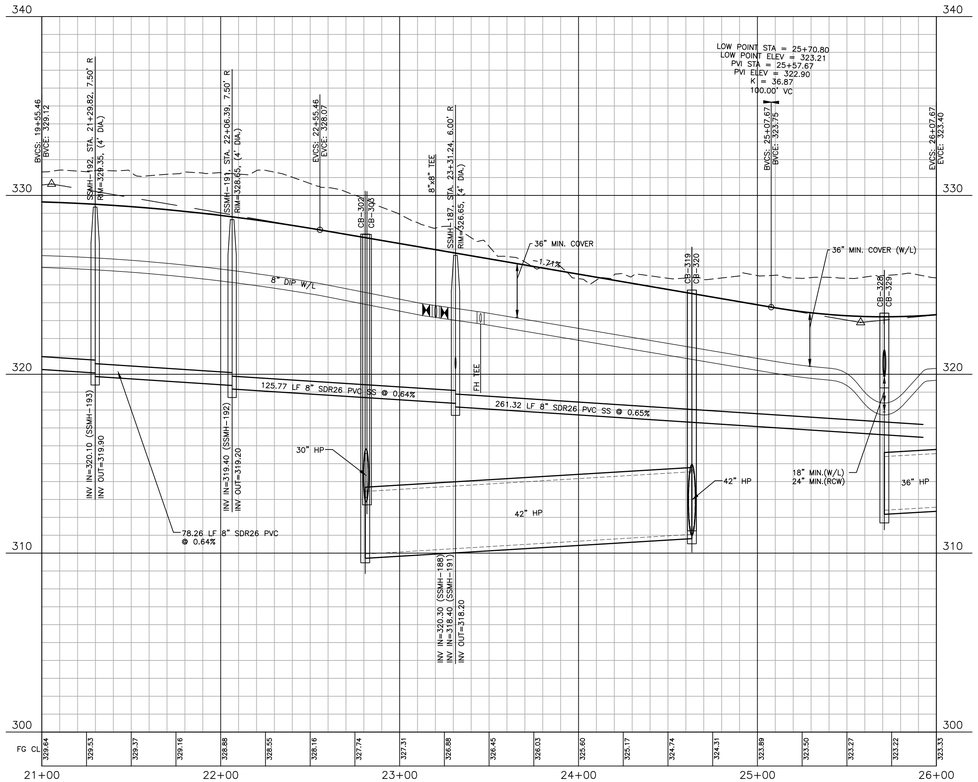
CB-328
STA 25+70.94
T/C=323.42
INV OUT=320.10

CB-329
STA 25+70.94
T/C=323.42
INV IN=312.40 (CB-330)
INV IN=319.90 (CB-328)
INV OUT=312.30

POND VISTA DRIVE



POND VISTA DRIVE



EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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

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 # _____

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-P1.dwg, 7/22/2024 5:21:25 PM, Zach.tre

McAdams
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT
D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614
D·R·HORTON America's Builder

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER RYAN K. BARKER
FOR REVIEW PURPOSES ONLY NOT FOR CONSTRUCTION

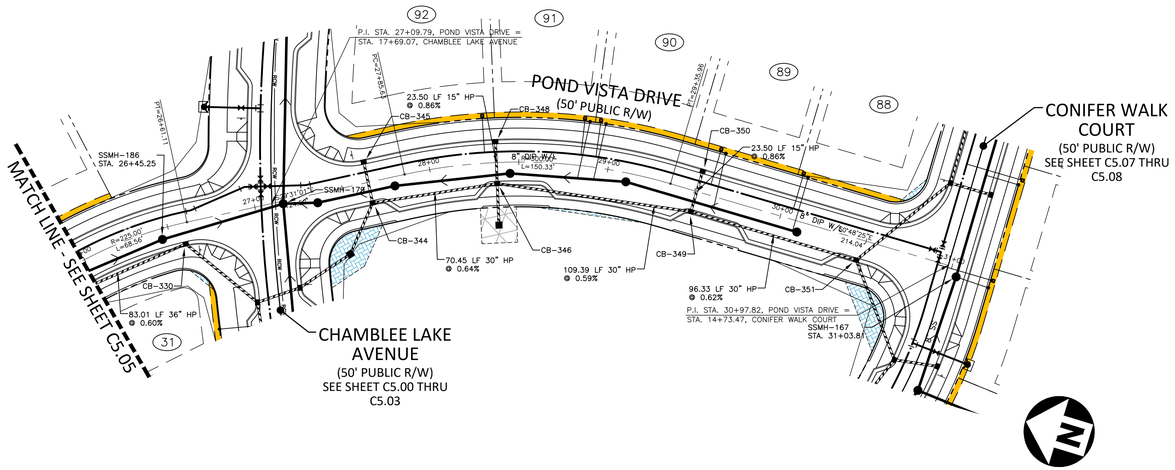
CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-P1
CHECKED BY	RKB
DRAWN BY	CAJ
SCALE	1"=40'/1"=4'
DATE	02. 26. 2024

PLAN AND PROFILE
CHAMBLEE LAKE AVENUE, STA. 16+00 THRU STA. 26+00

C5.05



CB-330
STA 26+57.75
T/C=324.10
INV IN=313.00 (CB-331)
INV OUT=312.90

CB-344
STA 27+64.84
T/C=324.99
INV IN=314.25 (CB-346)
INV IN=321.40 (CB-345)
INV OUT=314.15

CB-345
STA 27+64.84
T/C=324.99
INV OUT=321.60

CB-346
STA 28+37.43
T/C=326.03
INV IN=314.80 (CB-349)
INV IN=322.50 (DI-347)
INV IN=322.40 (CB-348)
INV OUT=314.70

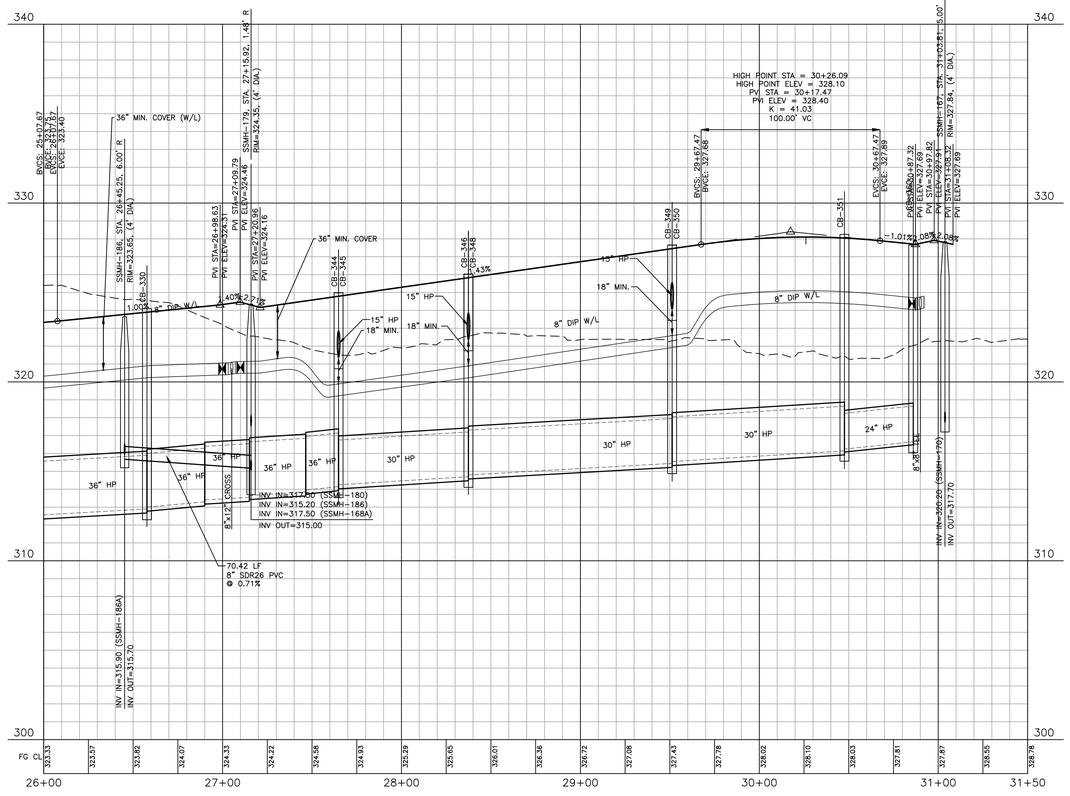
CB-348
STA 28+37.43
T/C=326.03
INV OUT=322.60

CB-349
STA 29+51.28
T/C=327.65
INV IN=315.55 (CB-351)
INV IN=324.10 (CB-350)
INV OUT=315.45

CB-350
STA 29+51.28
T/C=327.65
INV OUT=324.30

CB-351
STA 30+47.61
T/C=328.25
INV IN=323.90 (CB-352)
INV IN=316.25 (CB-360)
INV OUT=316.15

POND VISTA DRIVE



EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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

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 # _____

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-P1.dwg, 7/22/2024 5:21:29 PM, Zach Lee

MCADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT
D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER RYAN K. BARKER
NOT FOR CONSTRUCTION

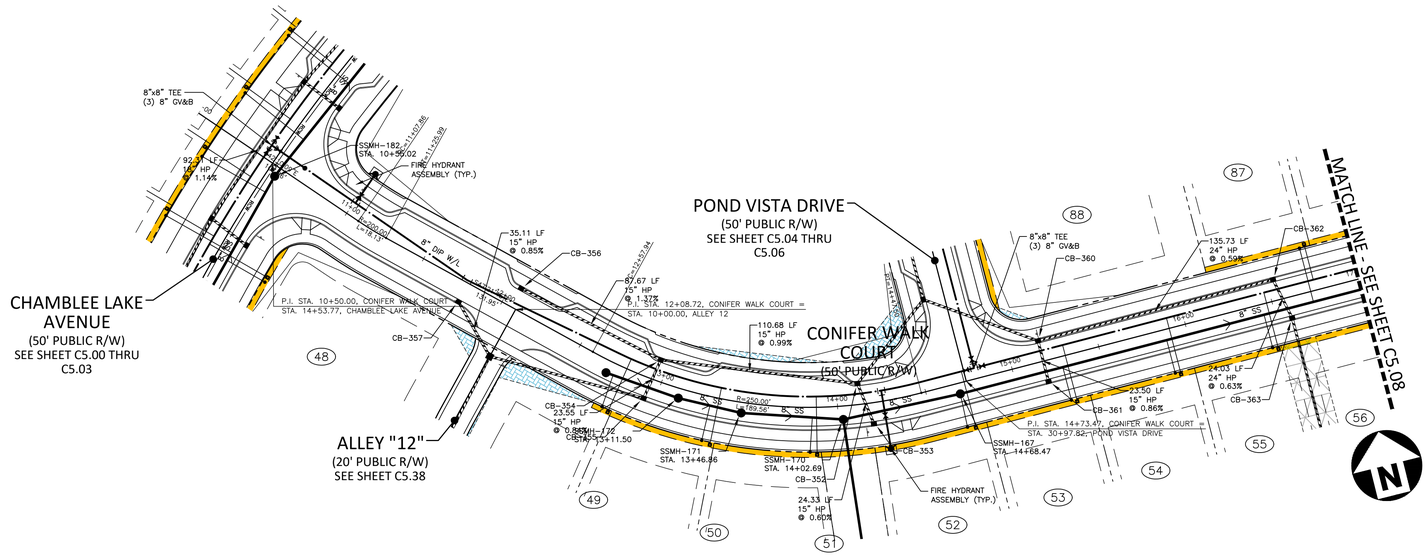
CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-P1
CHECKED BY	RKB
DRAWN BY	CAJ
SCALE	1"=40'/1"=4'
DATE	02. 26. 2024

PLAN AND PROFILE
POND VISTA DRIVE, STA. 26+00 THRU STA. 31+50

C5.06



CB-352
STA 14+12.52
T/C=328.75
INV IN=325.00 (CB-354)
INV IN=325.15 (CB-353)
INV OUT=324.70

CB-353
STA 14+18.80
T/C=328.69
INV OUT=325.30

CB-354
STA 12+95.30
T/C=329.98
INV IN=326.20 (CB-356)
INV IN=326.20 (CB-355)
INV OUT=326.10

CB-355
STA 12+93.78
T/C=330.00
INV IN=326.60 (DI-358)
INV OUT=326.40

CB-356
STA 12+05.78
T/C=331.20
INV OUT=327.40

CB-357
STA 11+78.72
T/C=331.77
INV OUT=328.30

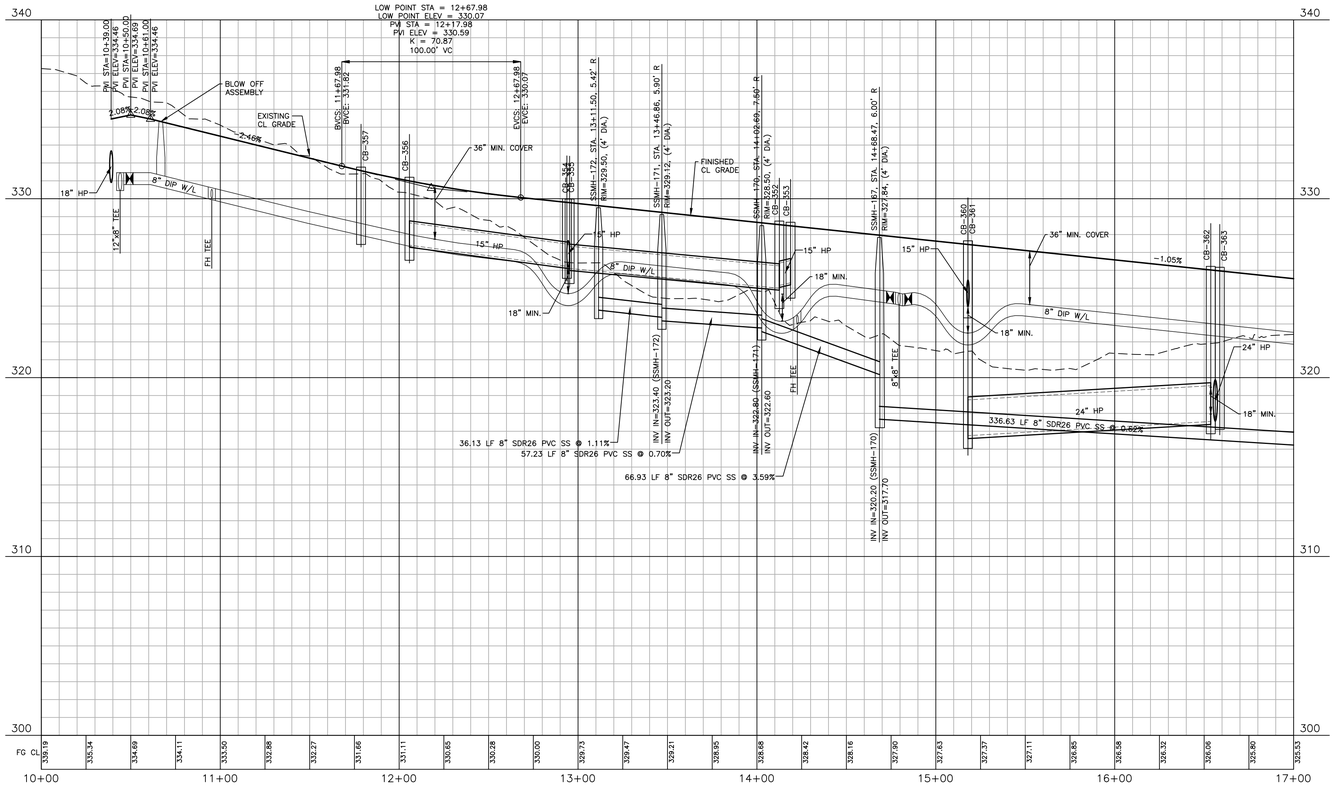
CB-360
STA 15+17.97
T/C=327.65
INV IN=316.75 (CB-362)
INV IN=324.00 (CB-361)
INV OUT=316.65

CB-361
STA 15+17.97
T/C=327.65
INV OUT=324.20

CB-362
STA 16+53.70
T/C=326.22
INV IN=317.65 (CB-363)
INV OUT=317.55

CB-363
STA 16+58.70
T/C=326.17
INV IN=317.90 (DI-364)
INV OUT=317.80

CONIFER WALK COURT



EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

GRAPHIC SCALE

0 20 40 80

1 inch = 40 ft.

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 # _____

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-P2.dwg, 7/22/2024 5:21:46 PM, Zach Lee

McAdams

The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603

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

www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER RYAN K. BARKER

CHAMBLEE LAKE

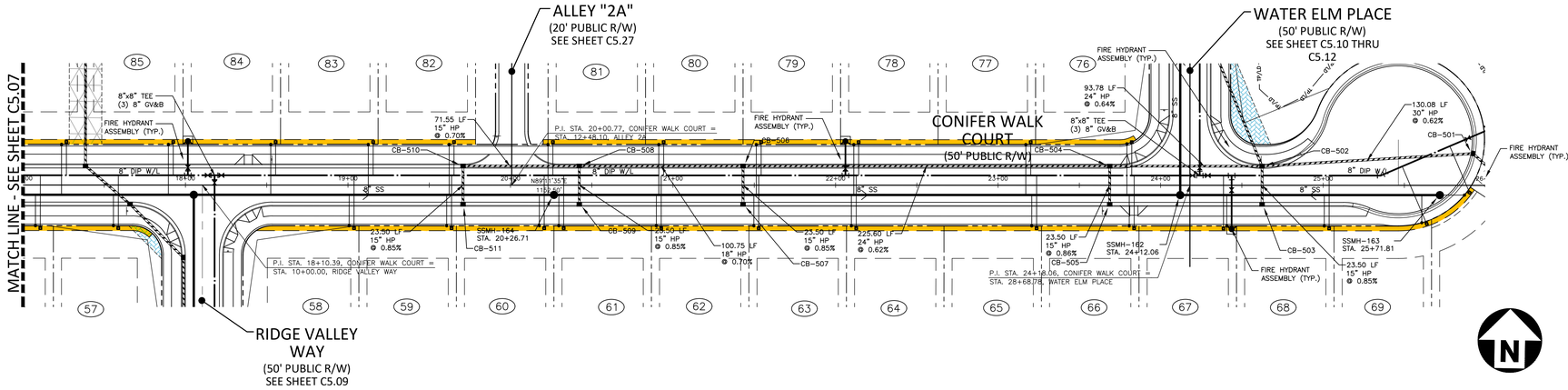
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-P2
CHECKED BY	RKB
DRAWN BY	CAJ
SCALE	1"=40'/1"=4'
DATE	02. 26. 2024

PLAN AND PROFILE
CONIFER WALK COURT, STA. 10+00 THRU STA. 17+00

C5.07



CB-408
STA 17+38.47
T/C=325.33
INV IN=317.30 (CB-409)
INV OUT=317.20

CB-409
STA 17+65.89
T/C=325.04
INV IN=317.70 (CB-410)
INV OUT=317.60

CB-501
STA 25+92.29
T/C=320.59
INV IN=314.20 (CB-502)
INV OUT=314.10

CB-502
STA 24+62.44
T/C=322.24
INV IN=315.50 (CB-504)
INV IN=315.10 (CB-512)
INV IN=318.60 (CB-503)
INV OUT=315.00

CB-503
STA 24+62.44
T/C=322.24
INV OUT=318.80

CB-504
STA 23+68.66
T/C=323.36
INV IN=316.20 (CB-506)
INV IN=317.20 (CB-505)
INV OUT=316.10

CB-505
STA 23+68.66
T/C=323.36
INV OUT=317.40

CB-506
STA 21+43.06
T/C=323.29
INV IN=319.70 (CB-507)
INV IN=317.70 (CB-508)
INV OUT=317.60

CB-507
STA 21+43.06
T/C=323.29
INV OUT=319.90

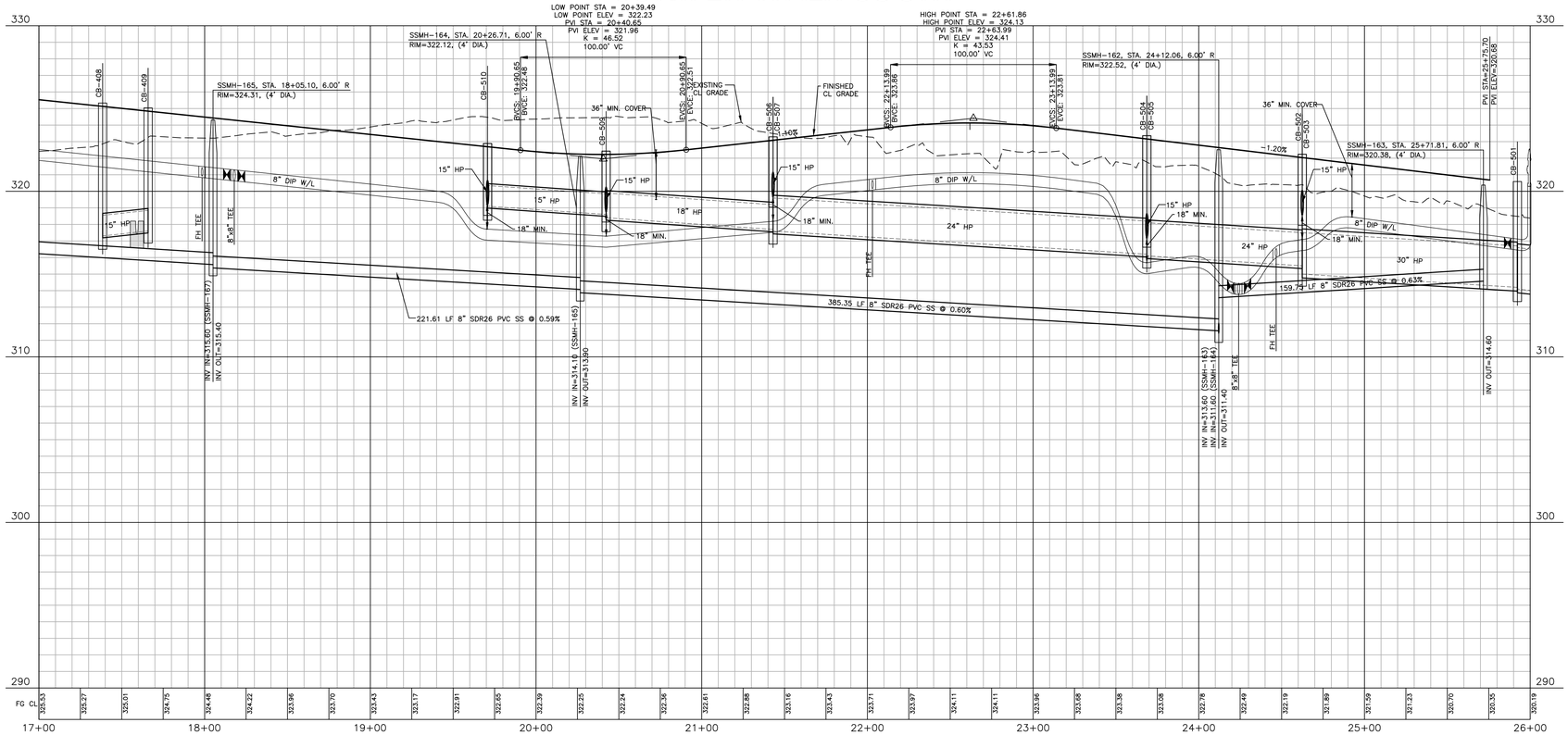
CB-508
STA 20+42.32
T/C=322.43
INV IN=318.60 (CB-510)
INV IN=318.80 (CB-509)
INV OUT=318.40

CB-509
STA 20+42.32
T/C=322.43
INV OUT=319.00

CB-510
STA 19+70.77
T/C=322.89
INV IN=319.20 (CB-511)
INV OUT=319.10

CB-511
STA 19+70.77
T/C=322.89
INV OUT=319.40

CONIFER WALK COURT



EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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

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 # _____

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT
D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614
D·R·HORTON America's Builder

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER RYAN K. BARKER
PRELIMINARY NOT FOR CONSTRUCTION

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

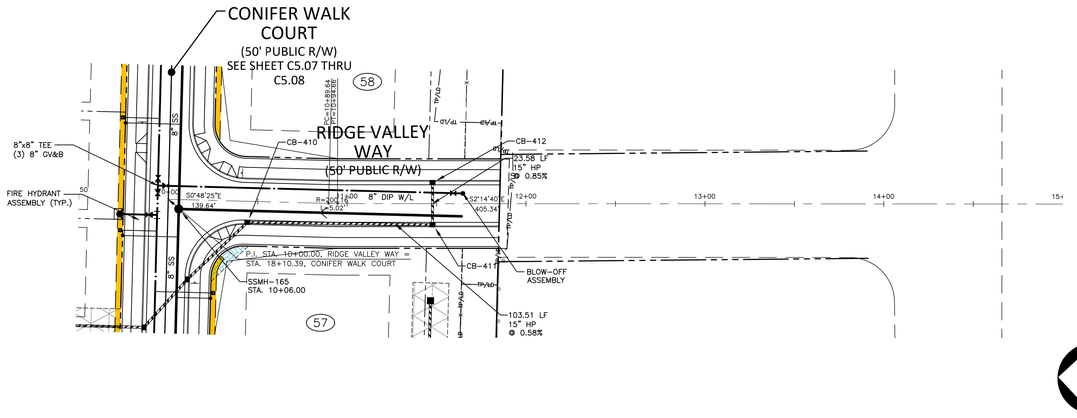
PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-P2
CHECKED BY	RKB
DRAWN BY	CAJ
SCALE	1"=40'/1"=4'
DATE	02. 26. 2024

PLAN AND PROFILE
CONIFER WALK COURT, STA. 17+00 THRU STA. 26+00

C5.08

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawing\DRH22004-P2.dwg, 7/23/2024 5:23:49 PM, Zach Lee

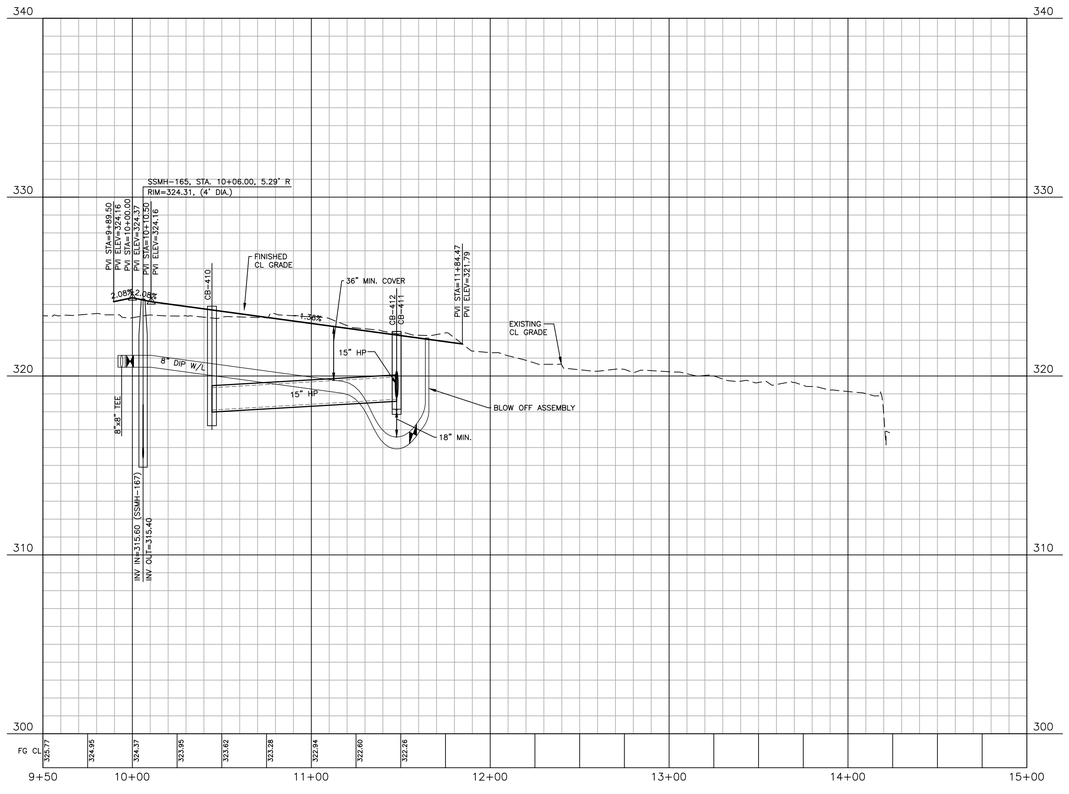


CB-410
STA 10+44.50
T/C=323.90
INV IN=318.10 (CB-411)
INV OUT=318.00

CB-411
STA 11+47.72
T/C=322.49
INV IN=318.80 (CB-412)
INV OUT=318.70

CB-412
STA 11+47.72
T/C=322.49
INV OUT=319.00

RIDGE VALLEY WAY



EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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

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 # _____

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McAdams
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT
D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614
D·R·HORTON America's Builder

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 049483 BRIAN K. BARKER
NOT FOR CONSTRUCTION

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

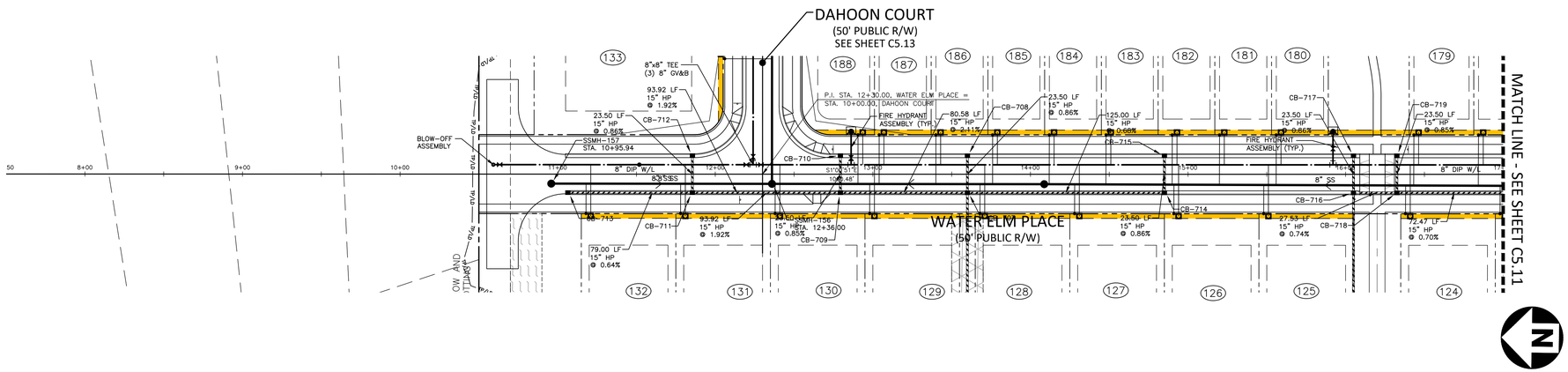
PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-P2
CHECKED BY	RKB
DRAWN BY	CAJ
SCALE	1"=40'/1"=4'
DATE	02. 26. 2024

PLAN AND PROFILE
RIDGE VALLEY WAY, STA. 9+50 THRU STA. 15+00

C5.09

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-P2.dwg, 7/22/2024 5:21:51 PM, Zach Lee



CB-707
STA 13+60.00
T/C=322.58
INV IN=316.30 (CB-709)
INV IN=316.20 (CB-708)
INV IN=313.55 (CB-714)
INV OUT=313.15

CB-708
STA 13+60.00
T/C=322.58
INV OUT=316.40

CB-709
STA 12+79.42
T/C=324.27
INV IN=318.10 (CB-711)
INV IN=318.10 (CB-710)
INV OUT=318.00

CB-710
STA 12+79.42
T/C=324.27
INV OUT=318.30

CB-711
STA 11+85.50
T/C=326.24
INV IN=320.00 (CB-712)
INV IN=322.60 (CB-713)
INV OUT=319.90

CB-712
STA 11+85.50
T/C=326.24
INV OUT=320.20

CB-713
STA 11+06.50
T/C=326.53
INV OUT=323.10

CB-714
STA 14+85.00
T/C=319.96
INV IN=314.50 (CB-715)
INV OUT=314.40

CB-715
STA 14+85.00
T/C=319.96
INV OUT=314.70

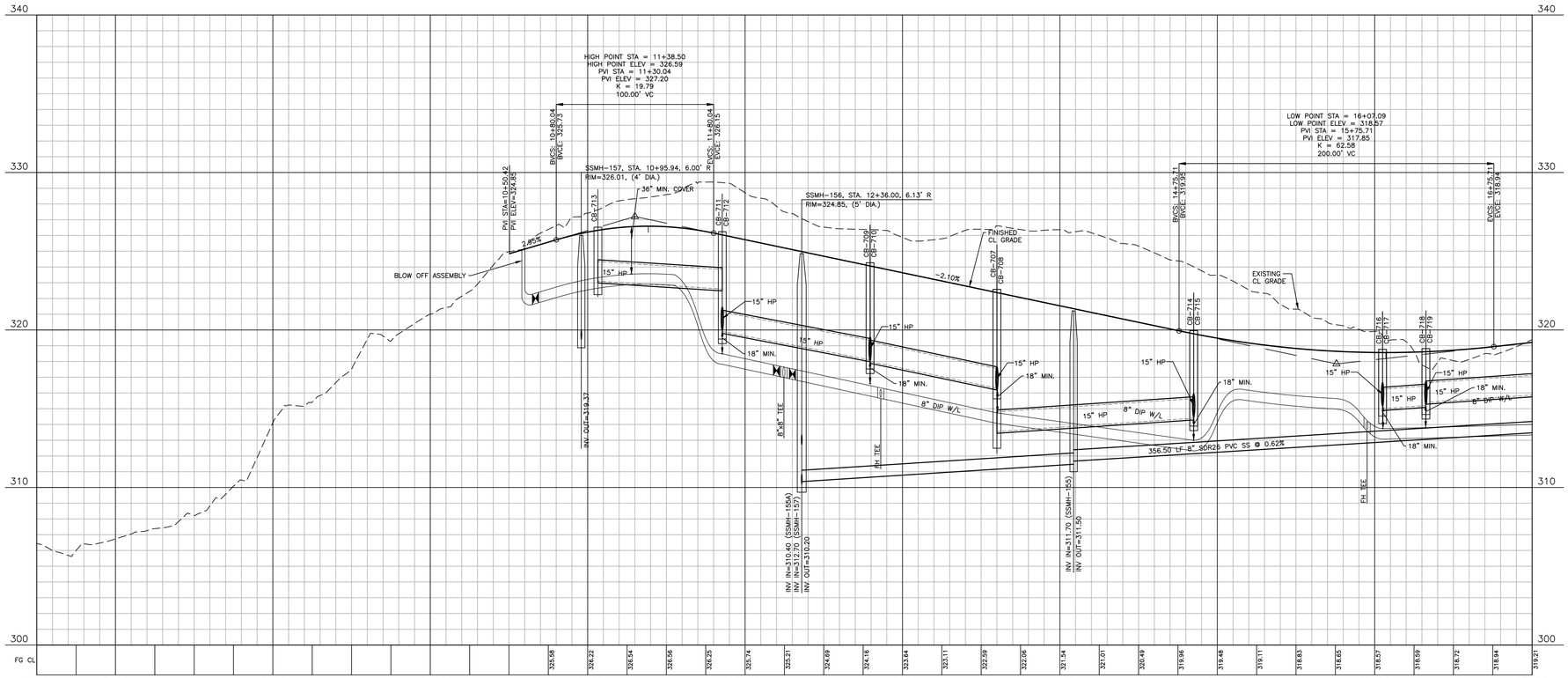
CB-716
STA 16+05.00
T/C=318.77
INV IN=315.00 (CB-718)
INV IN=315.20 (CB-717)
INV OUT=314.90

CB-717
STA 16+05.00
T/C=318.77
INV OUT=315.40

CB-718
STA 16+32.53
T/C=318.82
INV IN=315.30 (CB-719)
INV IN=315.40 (CB-720)
INV OUT=315.20

CB-719
STA 16+32.53
T/C=318.82
INV OUT=315.50

WATER ELM PLACE



EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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

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 # _____

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawing\DRH22004-P2.dwg, 7/22/2024 5:21:54 PM, Zach Lee

McADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT
D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614
D·R·HORTON America's Builder

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER RYAN K. BARKER

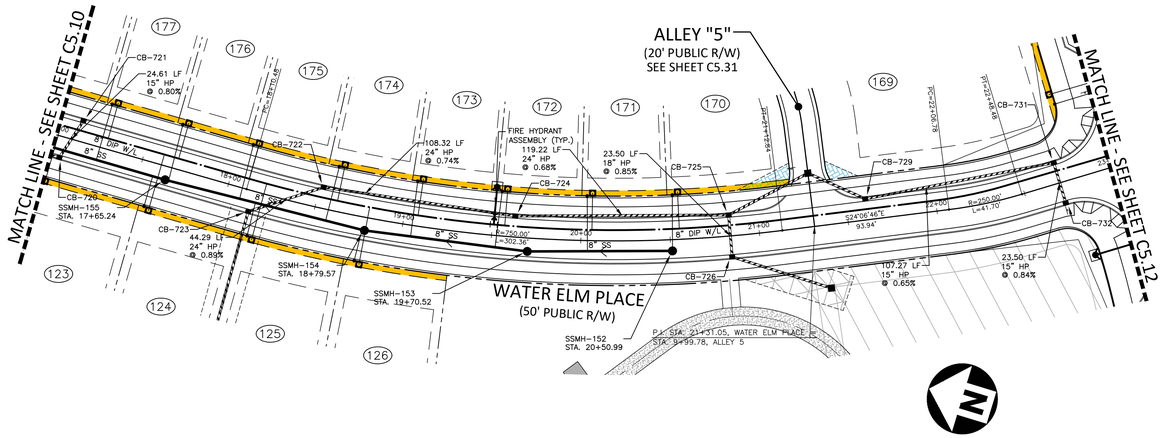
CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

PLAN INFORMATION

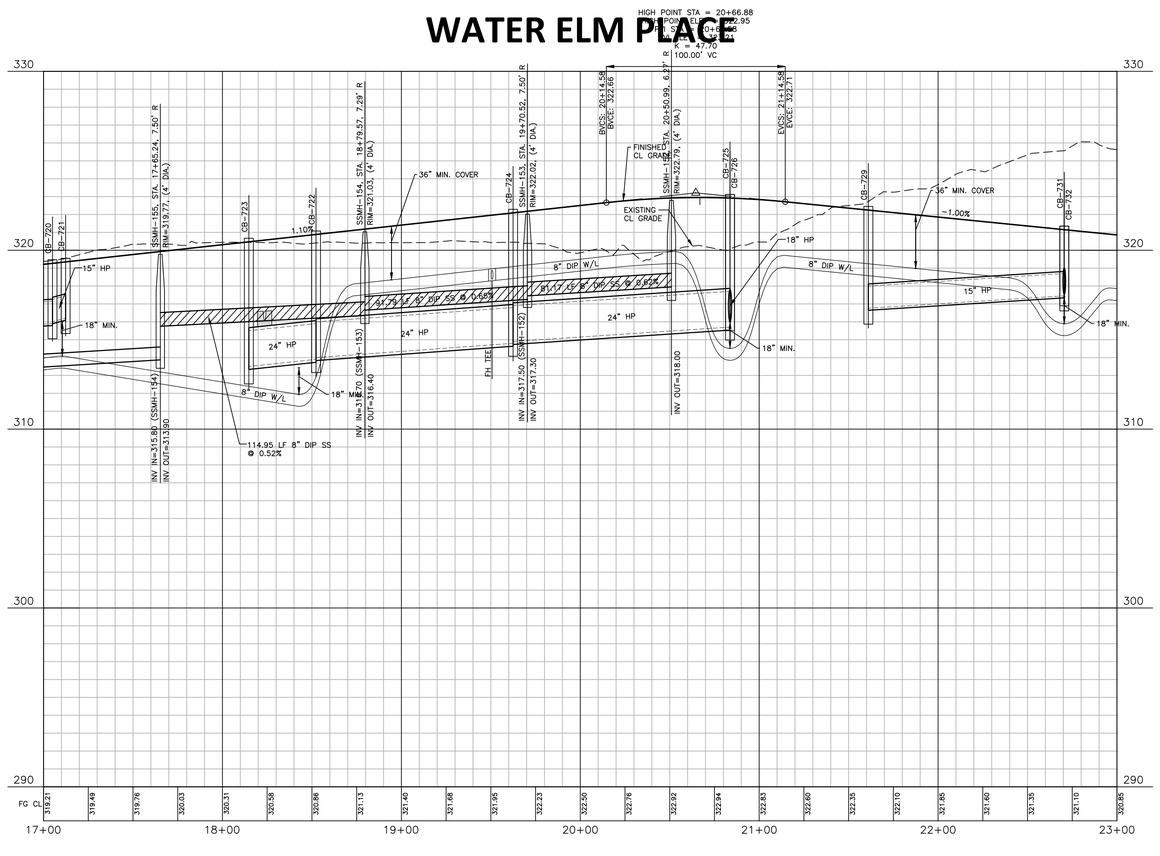
PROJECT NO.	DRH22004
FILENAME	DRH22004-P2
CHECKED BY	RKB
DRAWN BY	CAJ
SCALE	1"=40'/1"=4'
DATE	02. 26. 2024

PLAN AND PROFILE
WATER ELM PLACE, STA. 7+50 THRU STA. 17+00

C5.10



WATER ELM PLACE



EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

GRAPHIC SCALE

0 20 40 80

1 inch = 40 ft.

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 # _____

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-P2.dwg, 7/22/2024 5:21:58 PM, Zach Lee

McAdams

The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603

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

www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER RYAN K. BARKER — NOT FOR CONSTRUCTION

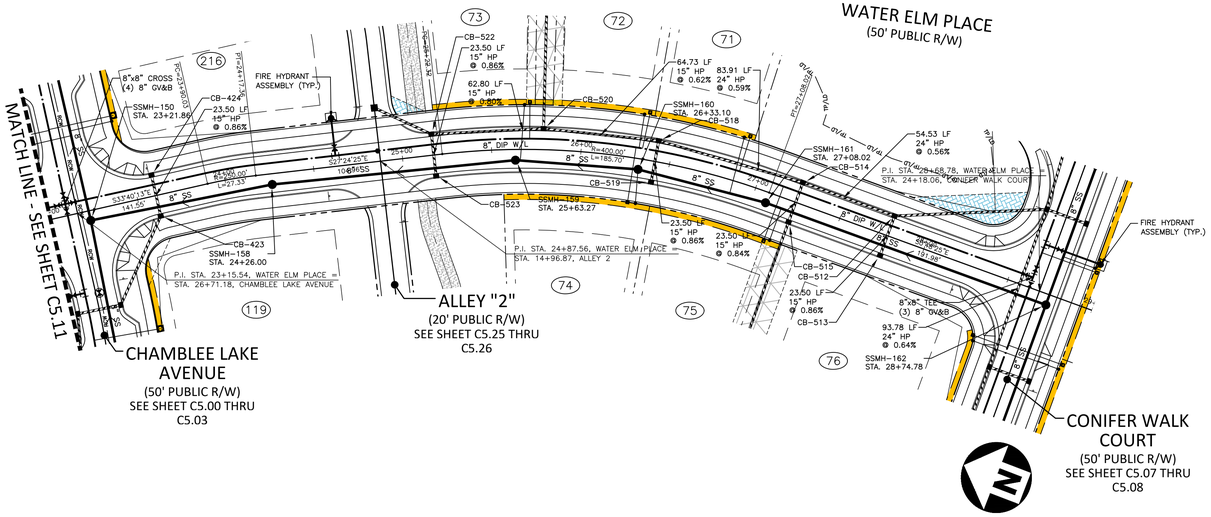
CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-P2
CHECKED BY	RKB
DRAWN BY	CAJ
SCALE	1"=40'/1"=4'
DATE	02. 26. 2024

PLAN AND PROFILE
WATER ELM PLACE, STA. 17+00 THRU STA. 23+00

C5.11



CB-423
STA 23+60.53
T/C=321.35
INV IN=317.20 (CB-424)
INV OUT=317.10

CB-424
STA 23+60.54
T/C=321.35
INV OUT=317.40

CB-512
STA 27+78.31
T/C=321.95
INV IN=315.80 (CB-514)
INV IN=318.30 (CB-513)
INV OUT=315.70

CB-513
STA 27+78.28
T/C=321.95
INV OUT=318.50

CB-514
STA 27+23.78
T/C=322.27
INV IN=316.20 (CB-518)
INV IN=316.70 (CB-515)
INV OUT=316.10

CB-515
STA 27+23.78
T/C=322.27
INV IN=317.00 (DI-516)
INV OUT=316.90

CB-518
STA 26+41.70
T/C=323.17
INV IN=316.80 (CB-520)
INV IN=317.50 (CB-519)
INV OUT=316.70

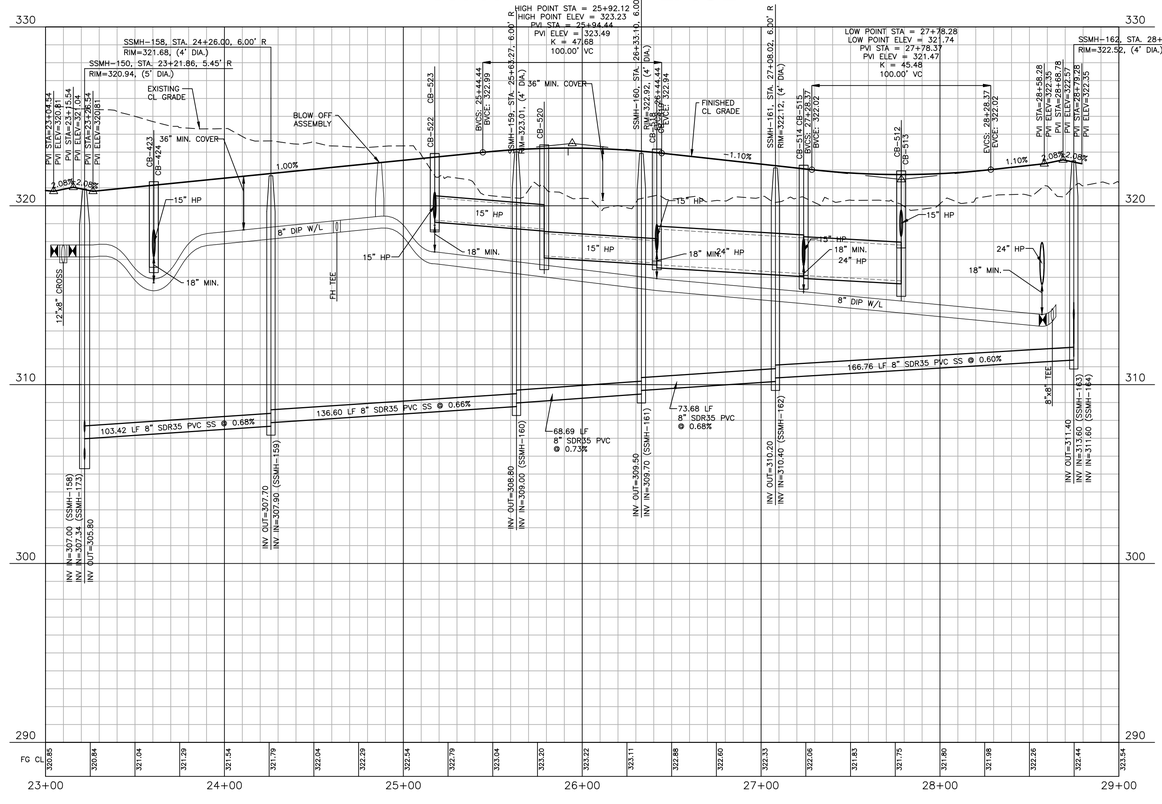
CB-519
STA 26+41.70
T/C=323.17
INV OUT=317.70

CB-520
STA 25+78.76
T/C=323.41
INV IN=318.70 (CB-522)
INV IN=317.30 (DI-521)
INV OUT=317.20

CB-522
STA 25+17.56
T/C=322.92
INV IN=319.30 (CB-523)
INV IN=318.90 (DI-524)
INV OUT=319.20

CB-523
STA 25+17.56
T/C=322.92
INV OUT=319.50

WATER ELM PLACE



EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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

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 # _____

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603

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

www.mcadamsco.com

CLIENT
D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 04948 RYAN K. BARKER NOT FOR CONSTRUCTION

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

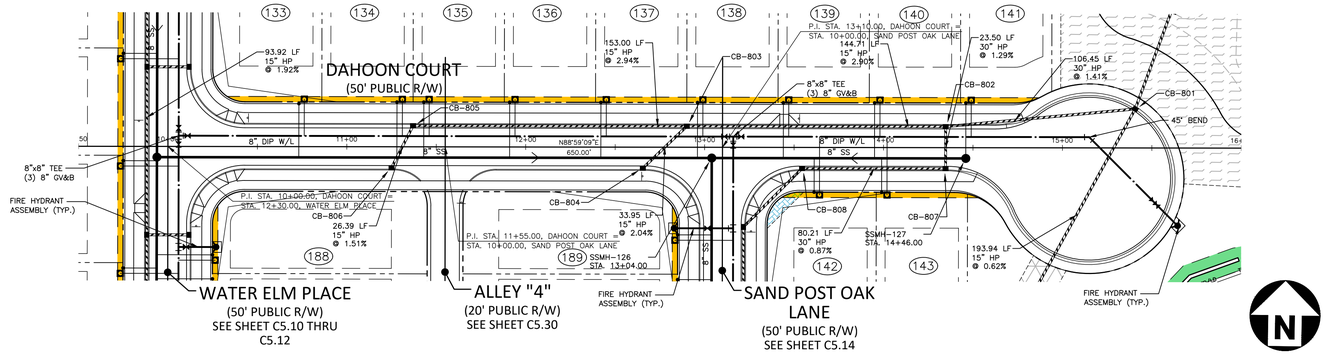
PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-P2
CHECKED BY	RKB
DRAWN BY	CAJ
SCALE	1"=40'/1"=4'
DATE	02. 26. 2024

PLAN AND PROFILE
WATER ELM PLACE, STA. 23+00 THRU STA. 29+00

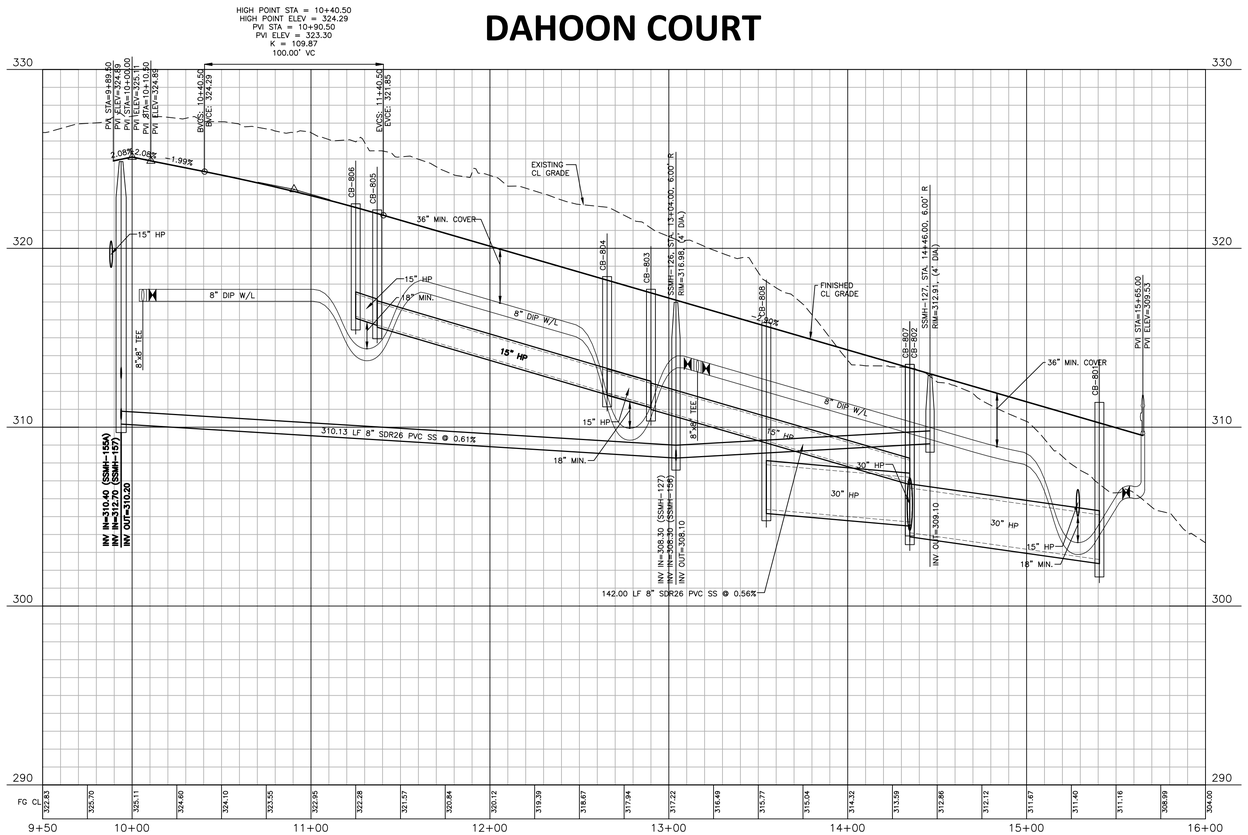
C5.12

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-P2.dwg, 7/22/2024 5:22:00 PM, Zach Lee



CB-801	CB-805
STA 15+40.68	STA 11+37.00
T/C=311.39	T/C=322.15
INV IN=302.60 (CB-802)	INV IN=315.80 (CB-806)
INV IN=305.00 (DI-812)	INV OUT=315.70
INV OUT=302.30	
CB-802	**CB-806**
STA 14+34.71	STA 11+25.00
T/C=313.51	T/C=322.49
INV IN=306.90 (CB-803)	INV OUT=316.20
INV IN=304.30 (CB-807)	
INV OUT=304.10	**CB-807**
	STA 14+34.71
CB-803	T/C=313.51
STA 12+90.00	INV IN=304.70 (CB-808)
T/C=317.71	INV OUT=304.60
INV IN=311.20 (CB-805)	
INV IN=311.20 (CB-804)	**CB-808**
INV OUT=311.10	STA 13+54.50
	T/C=315.84
CB-804	INV IN=305.50 (CB-809)
STA 12+65.50	INV OUT=305.40
T/C=318.42	
INV OUT=311.90	

DAHOON COURT



EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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

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 # _____

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McAdams
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT
D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER RYAN K. BARKER
NOT FOR CONSTRUCTION

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

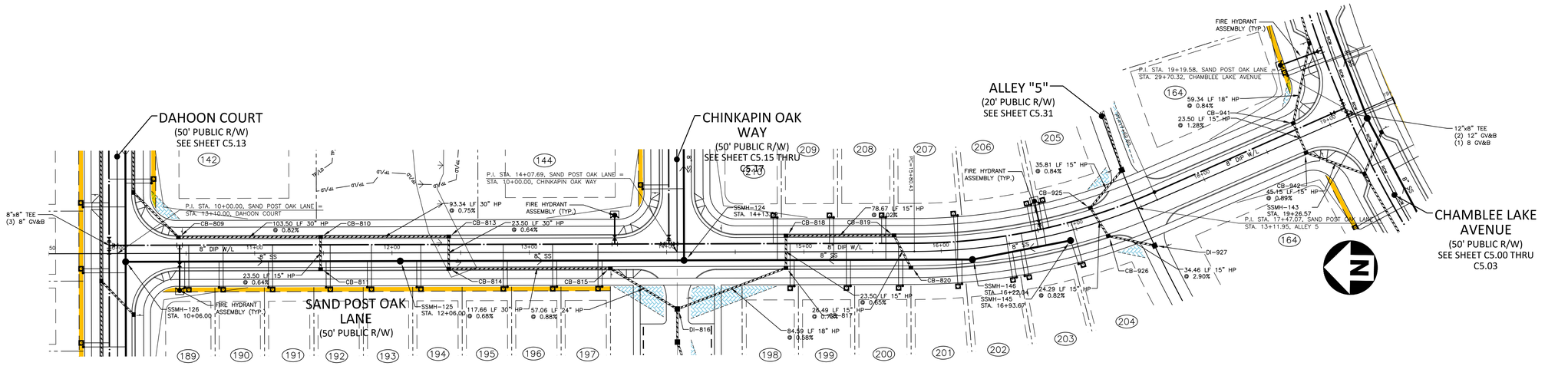
PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-P2
CHECKED BY	RKB
DRAWN BY	CAJ
SCALE	1"=40'/1"=4'
DATE	02. 26. 2024

PLAN AND PROFILE
DAHOON COURT, STA. 9+50 THRU STA. 16+00

C5.13

I:\A Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-P2.dwg, 7/22/2024 5:23:03 PM, Zach Lee



CB-809
STA 10+44.50
T/C=317.57
INV IN=306.00 (CB-810)
INV OUT=305.90

CB-810
STA 11+48.00
T/C=317.69
INV IN=306.95 (CB-813)
INV IN=311.25 (CB-811)
INV OUT=306.85

CB-811
STA 11+48.00
T/C=317.69
INV OUT=311.40

CB-813
STA 12+41.34
T/C=316.76
INV IN=307.75 (CB-814)
INV OUT=307.65

CB-814
STA 12+41.34
T/C=316.76
INV IN=308.00 (CB-815)
INV OUT=307.90

CB-815
STA 13+59.00
T/C=315.57
INV IN=309.10 (DI-816)
INV OUT=308.80

CB-817
STA 14+86.87
T/C=314.45
INV IN=310.90 (CB-818)
INV OUT=310.80

CB-818
STA 14+87.02
T/C=314.45
INV IN=311.15 (CB-819)
INV OUT=311.05

CB-819
STA 15+65.69
T/C=315.41
INV IN=312.05 (CB-820)
INV OUT=311.95

CB-820
STA 15+77.91
T/C=315.73
INV OUT=312.25

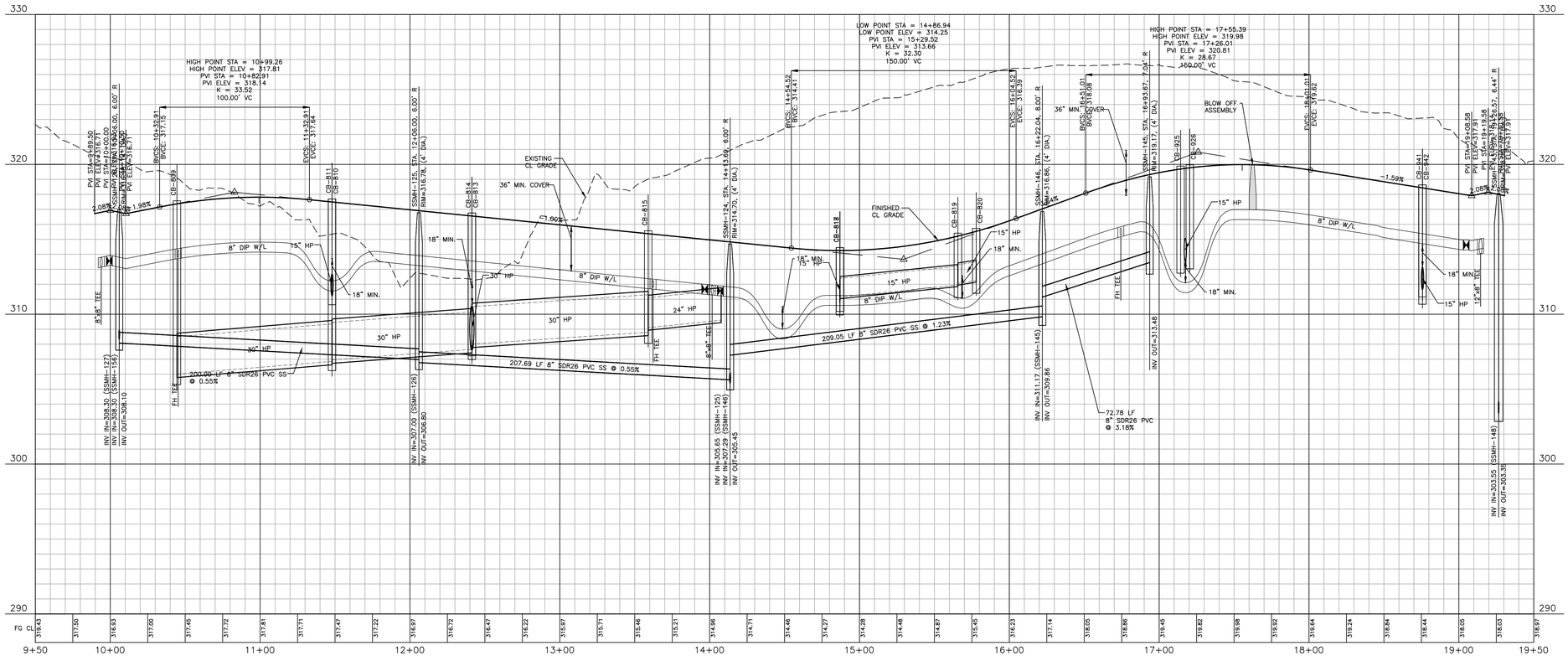
CB-925
STA ???
T/C=319.89
INV IN=313.60 (CB-926)
INV OUT=313.50

CB-926
STA ???
T/C=319.97
INV IN=316.20 (DI-927)
INV OUT=313.80

CB-941
STA ???
T/C=318.63
INV IN=311.60 (CB-942)
INV OUT=311.40

CB-942
STA ???
T/C=318.63
INV IN=312.00 (CB-943)
INV OUT=311.90

SAND POST OAK LANE



EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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

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 # _____

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-P3.dwg, 7/22/2024 5:23:19 PM, Zach Lee

McAdams
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT
D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614
D·R·HORTON America's Builder

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER RYAN K. BARKER

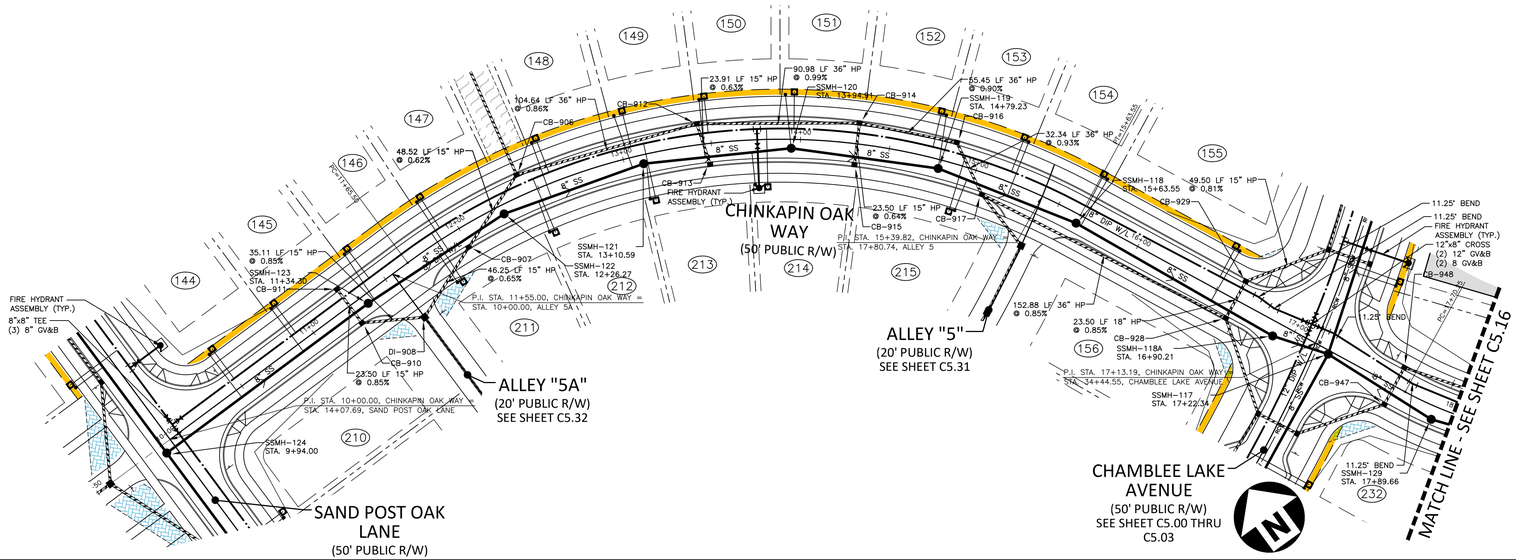
CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-P3
CHECKED BY	RKB
DRAWN BY	CAJ
SCALE	1"=40'/1"=4'
DATE	02. 26. 2024

PLAN AND PROFILE
SAND POST OAK LANE, STA. 9+50 THRU STA. 19+50

C5.14



CB-906
STA ???
T/C=312.56
INV IN=300.40 (CB-912)
INV IN=306.50 (CB-907)
INV OUT=299.90

CB-907
STA ???
T/C=312.98
INV IN=306.90 (DI-908)
INV OUT=306.80

CB-910
STA ???
T/C=313.72
INV IN=307.70 (CB-911)
INV OUT=307.60

CB-911
STA ???
T/C=313.72
INV OUT=307.90

CB-912
STA ???
T/C=311.54
INV IN=301.60 (CB-914)
INV IN=304.85 (CB-913)
INV OUT=301.30

CB-913
STA ???
T/C=311.50
INV OUT=305.00

CB-914
STA ???
T/C=311.04
INV IN=302.90 (CB-916)
INV IN=304.45 (CB-915)
INV OUT=302.50

CB-915
STA ???
T/C=311.04
INV OUT=304.60

CB-916
STA ???
T/C=311.22
INV IN=303.70 (CB-917)
INV OUT=303.40

CB-917
STA ???
T/C=311.42
INV IN=304.30 (CB-928)
INV IN=307.30 (DI-918)
INV OUT=304.00

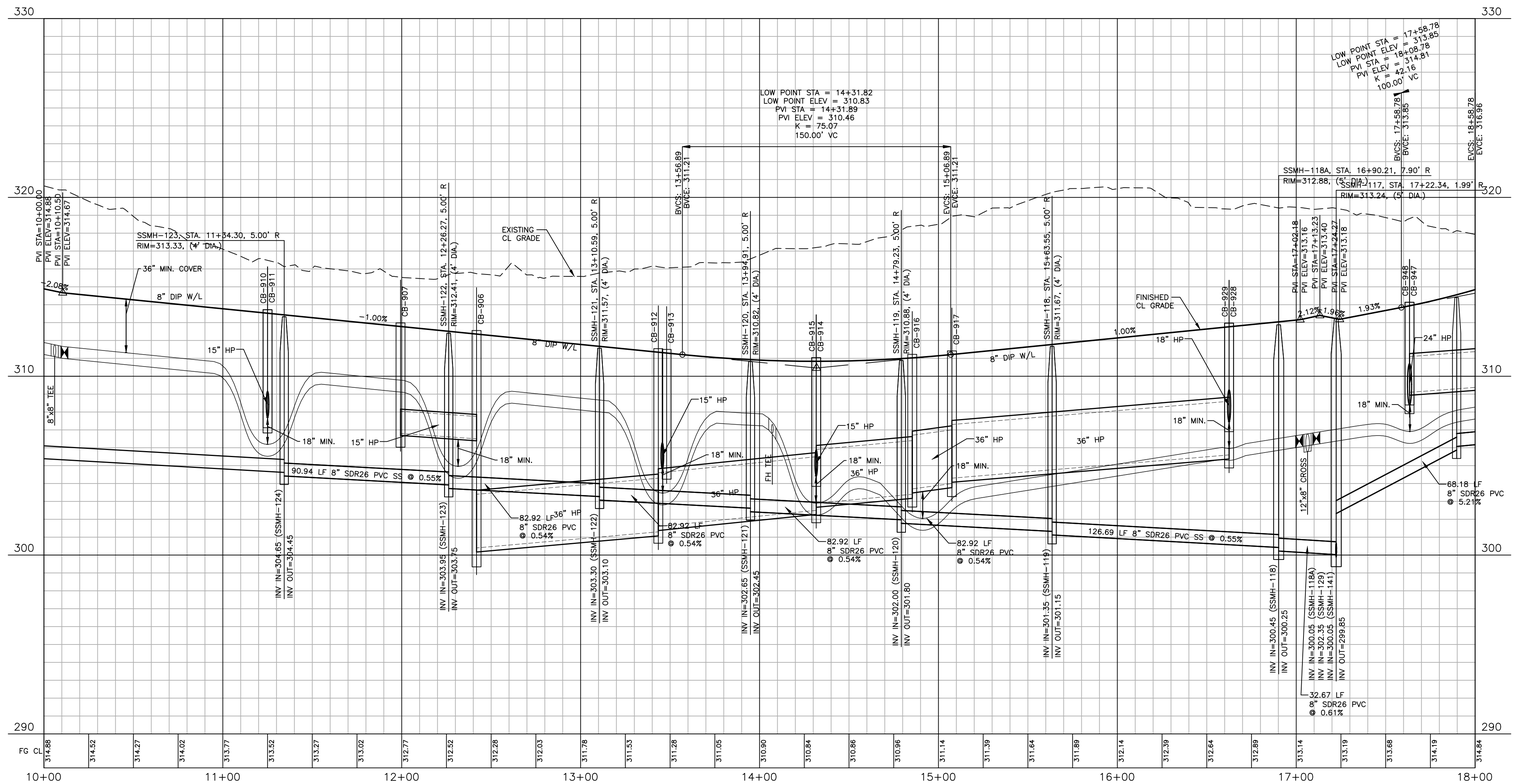
CB-928
STA ???
T/C=312.97
INV IN=306.10 (CB-934)
INV IN=307.50 (CB-929)
INV OUT=305.60

CB-929
STA ???
T/C=312.97
INV IN=307.80 (CB-930)
INV OUT=307.70

CB-947
STA ???
T/C=314.14
INV IN=308.40 (CB-948)
INV OUT=308.20

CB-948
STA ???
T/C=314.14
INV IN=309.10 (CB-949)
INV OUT=308.70

CHINKAPIN OAK WAY



EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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

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 # _____

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-P3.dwg, 7/22/2024 5:23:22 PM, Zach Lee

McAdams
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT
D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

REVISIONS
NO. DATE
1 07. 19. 2024 RESPONSE TO MUNICIPALITY COMMENTS

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER RYAN K. BARKER NOT FOR CONSTRUCTION

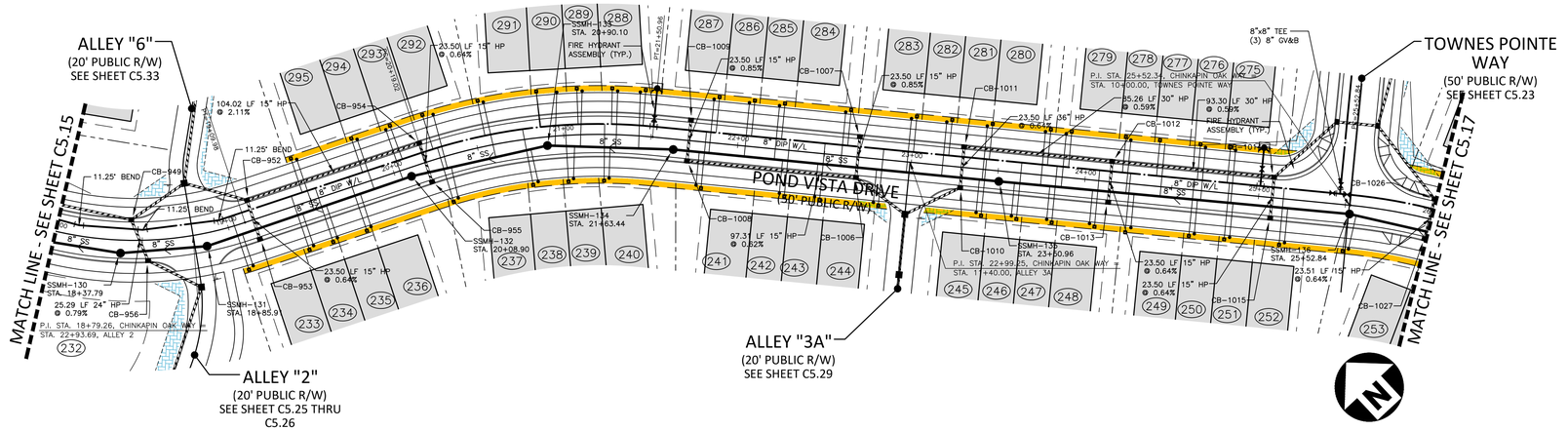
CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-P3
CHECKED BY	RKB
DRAWN BY	CAJ
SCALE	1"=40'/1"=4'
DATE	02. 26. 2024

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

C5.15



CB-949
STA ???
T/C=316.54
INV IN=312.50 (DI-950)
INV IN=309.90 (CB-956)
INV OUT=309.70

CB-952
STA ???
T/C=319.53
INV IN=315.70 (CB-954)
INV IN=315.55 (CB-953)
INV OUT=315.40

CB-953
STA ???
T/C=319.53
INV OUT=315.70

CB-954
STA ???
T/C=322.01
INV IN=318.05 (CB-955)
INV OUT=317.90

CB-955
STA ???
T/C=322.01
INV OUT=318.20

CB-956
STA ???
T/C=316.92
INV IN=310.20 (DI-957)
INV OUT=310.10

CB-1006
STA 22+69.25
T/C=320.27
INV IN=314.10 (CB-1008)
INV IN=314.10 (CB-1007)
INV OUT=314.00

CB-1007
STA 22+69.25
T/C=320.27
INV OUT=314.30

CB-1008
STA 21+71.94
T/C=321.24
INV IN=314.80 (CB-1009)
INV OUT=314.70

CB-1009
STA 21+71.94
T/C=321.24
INV OUT=315.00

CB-1010
STA 23+29.25
T/C=319.74
INV IN=311.45 (CB-1011)
INV OUT=311.35

CB-1011
STA 23+29.25
T/C=319.74
INV IN=311.70 (CB-1012)
INV OUT=311.60

CB-1012
STA 24+14.51
T/C=319.57
INV IN=312.30 (CB-1014)
INV IN=316.05 (CB-1013)
INV OUT=312.20

CB-1013
STA 24+14.51
T/C=319.57
INV OUT=316.20

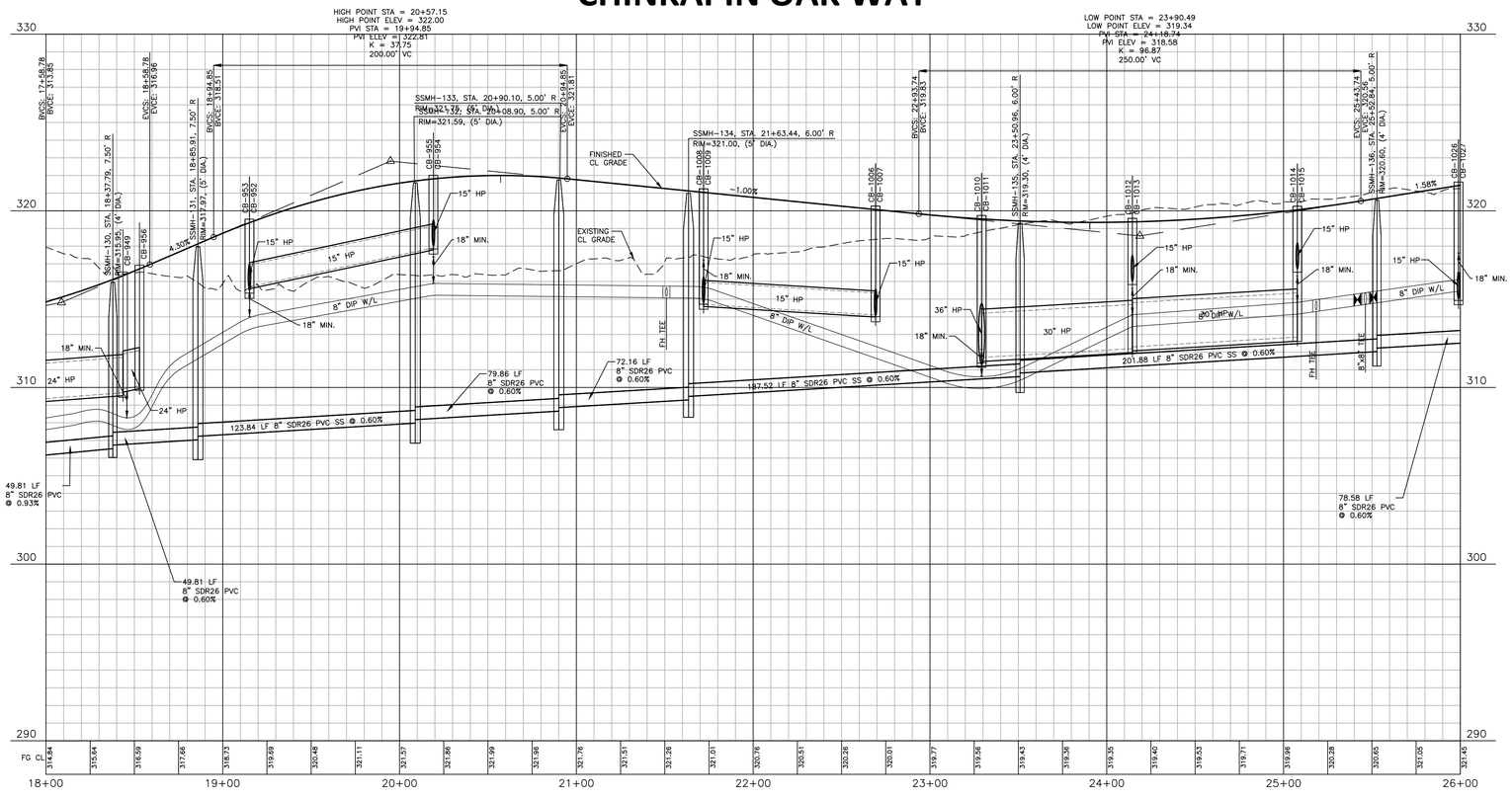
CB-1014
STA 25+07.81
T/C=320.26
INV IN=312.95 (CB-1016)
INV IN=316.75 (CB-1015)
INV OUT=312.85

CB-1015
STA 25+07.81
T/C=320.26
INV OUT=316.90

CB-1026
STA 25+98.98
T/C=321.63
INV IN=315.05 (CB-1027)
INV OUT=314.95

CB-1027
STA 25+98.97
T/C=321.63
INV OUT=315.20

CHINKAPIN OAK WAY



EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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

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 # _____

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603

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

www.mcadamsco.com

CLIENT
D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER RYAN K. BARKER

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

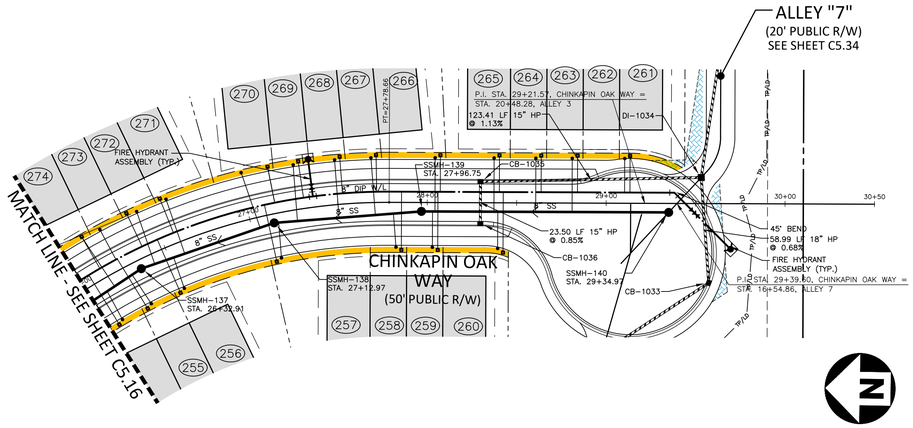
PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-P3
CHECKED BY	RKB
DRAWN BY	CAJ
SCALE	1"=40'/1"=4'
DATE	02. 26. 2024

PLAN AND PROFILE
CHINKAPIN OAK WAY, STA. 18+00 THRU STA. 26+00

C5.16

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-P3.dwg, 7/23/2024 5:23:25 PM, Zach Lee



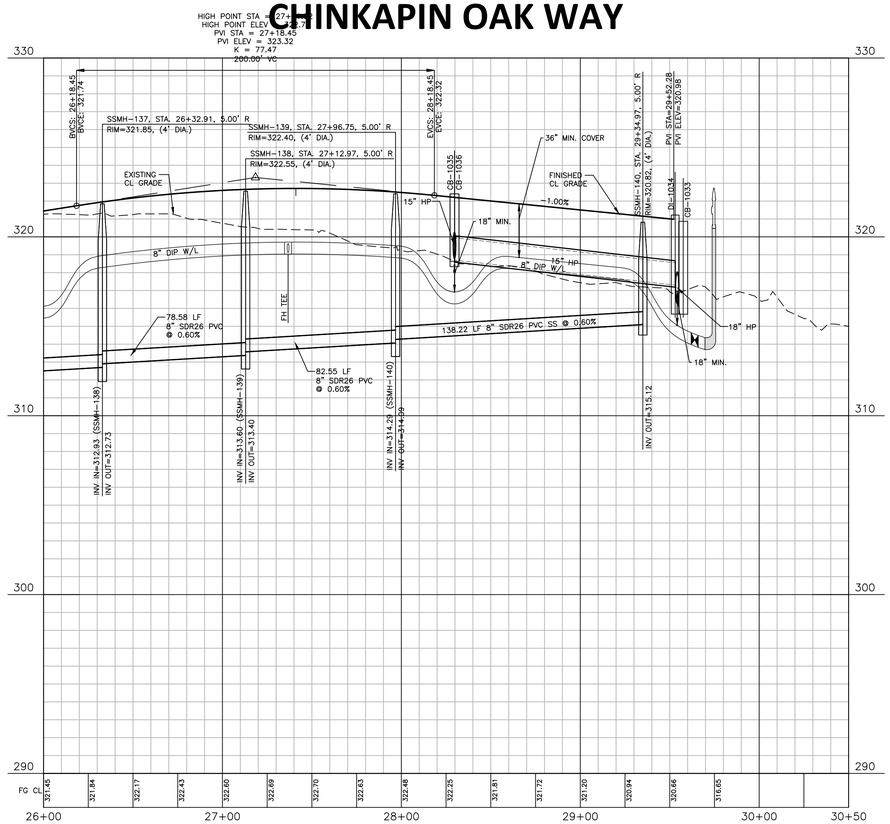
CB-1033
STA 29+57.52
T/C=320.87
INV IN=316.10 (DI-1034)
INV OUT=316.00

CB-1035
STA 28+29.70
T/C=322.41
INV IN=318.80 (CB-1036)
INV OUT=318.70

CB-1036
STA 28+29.70
T/C=322.41
INV OUT=319.00

DI-1034
STA 29+53.08
T/C=321.22
INV IN=316.75 (DI-1037)
INV IN=317.30 (CB-1035)
INV OUT=316.50

CHINKAPIN OAK WAY



EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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

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 # _____

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

M:\Projects\DRH\08H22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-P3.dwg, 7/22/2024 5:22:28 PM, Zach Lee

McAdams
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603

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

www.mcadamsco.com

CLIENT
D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER RYAN K. BARKER
NOT FOR CONSTRUCTION

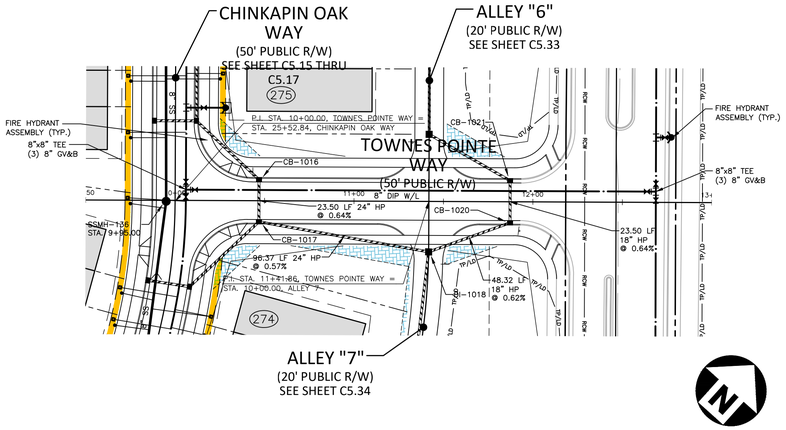
CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-P3
CHECKED BY	RKB
DRAWN BY	CAJ
SCALE	1"=40'/1"=4'
DATE	02. 26. 2024

PLAN AND PROFILE
CHINKAPIN OAK WAY, STA. 26+00 THRU STA. 30+50

C5.17



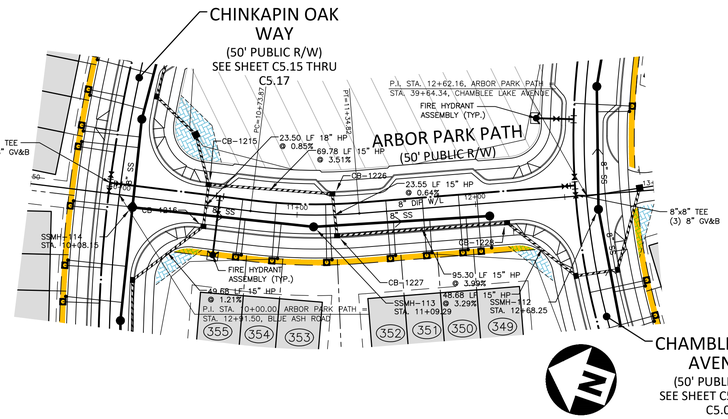
CB-1016
STA 10+46.87
T/C=321.07
INV IN=313.35 (CB-1017)
INV OUT=313.25

CB-1017
STA 10+46.87
T/C=321.07
INV IN=313.60 (DI-1018)
INV IN=314.60 (CB-1026)
INV OUT=313.50

CB-1020
STA 11+87.26
T/C=319.54
INV IN=314.65 (CB-1021)
INV OUT=314.55

CB-1021
STA 11+87.18
T/C=319.54
INV IN=314.90 (DI-1022)
INV OUT=314.80

DI-1018
STA 11+41.83
T/G=320.71
INV IN=314.25 (CB-1020)
INV IN=317.30 (DI-1019)
INV OUT=314.15



CB-1215
STA 10+48.81
T/C=305.50
INV IN=301.70 (CB-1226)
INV IN=294.90 (CB-1216)
INV OUT=294.60

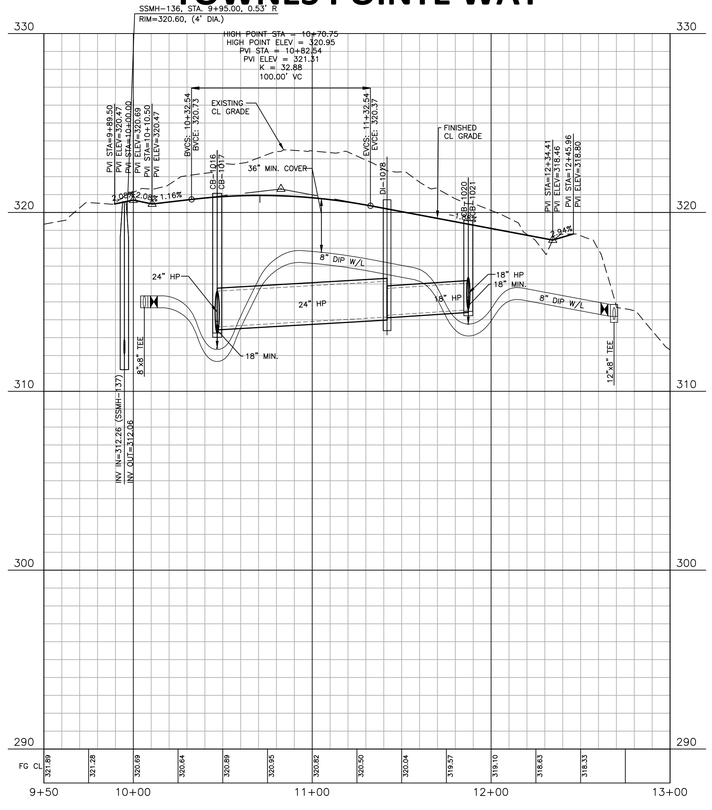
CB-1216
STA 10+48.81
T/C=305.50
INV IN=295.40 (CB-1217)
INV OUT=295.10

CB-1226
STA 11+20.51
T/C=308.21
INV IN=304.25 (CB-1227)
INV OUT=304.15

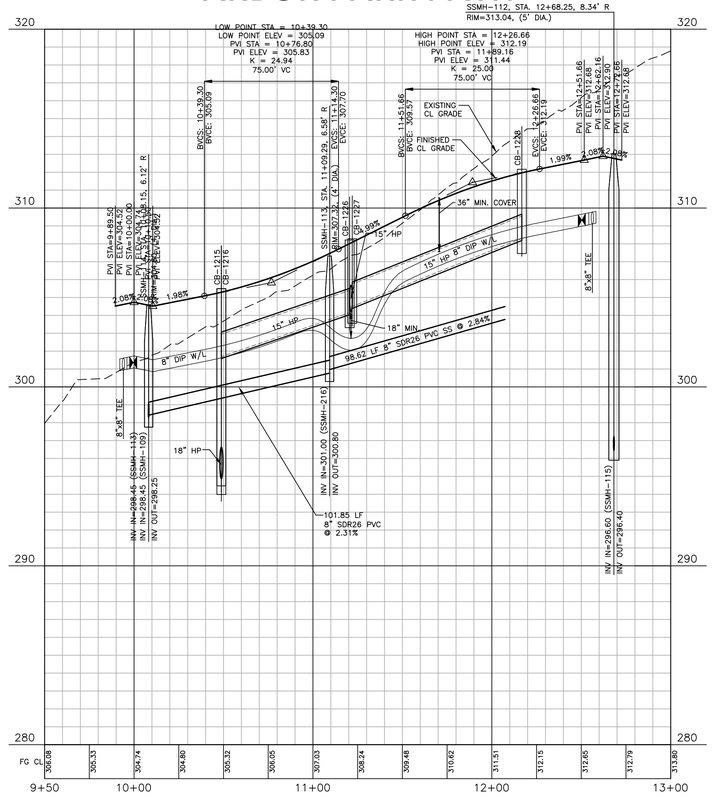
CB-1227
STA 11+21.95
T/C=308.28
INV IN=304.50 (CB-1228)
INV OUT=304.40

CB-1228
STA 12+16.75
T/C=312.17
INV IN=308.40 (CB-1229)
INV OUT=308.30

TOWNES POINTE WAY



ARBOR PARK PATH



NOTE: CHAMBLEE ROAD OFFSITE IMPROVEMENTS SUBMITTED UNDER SEPARATE COVER (SEE OFFSITE IMPROVEMENTS DRAWINGS FOR REFERENCE)

EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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

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 # _____

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-P3.dwg, 7/22/2024 5:23:32 PM, Zach Lee

MCADAMS

The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603

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

www.mcadamsco.com

CLIENT

D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

D·R·HORTON America's Builder

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER RYAN K. BARKER

CHAMBLEE LAKE

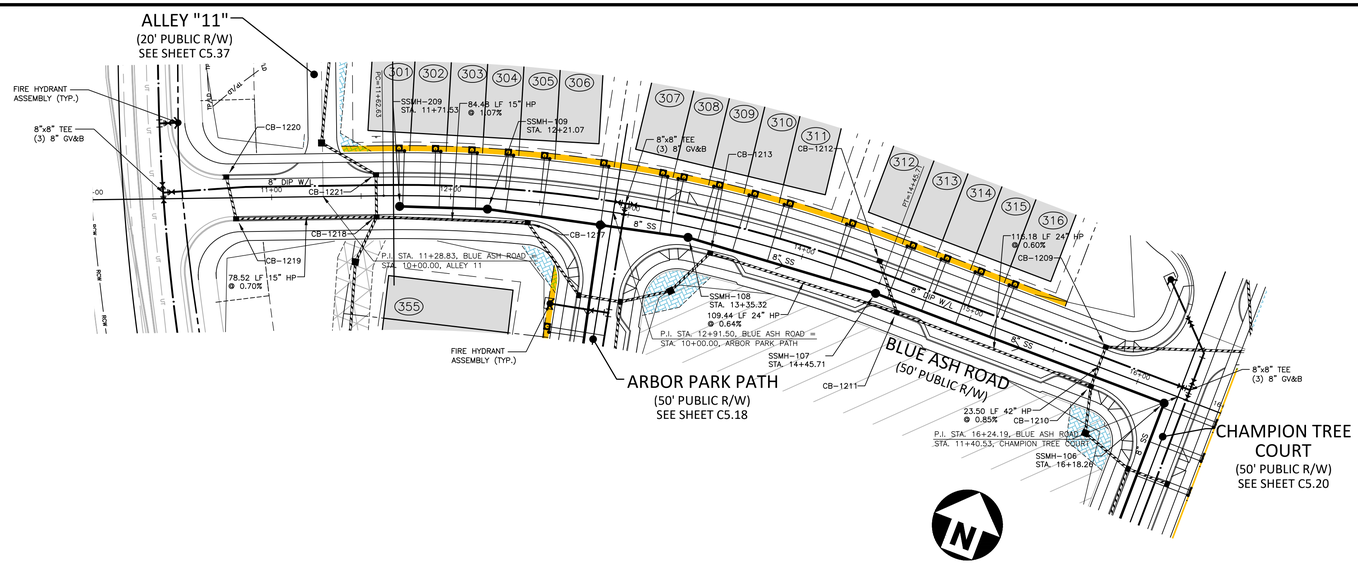
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-P3
CHECKED BY	RKB
DRAWN BY	CAJ
SCALE	1"=40'/1"=4'
DATE	02. 26. 2024

PLAN AND PROFILE
TOWNES POINTE WAY, STA. 9+50 THRU STA. 13+00
ARBOR PARK PATH, STA. 9+50 THRU STA. 13+00

C5.18



CB-1209
STA 15+76.69
T/C=300.52
INV IN=290.70 (CB-1210)
INV OUT=290.60

CB-1210
STA 15+76.69
T/C=300.52
INV IN=293.00 (DI-1232)
INV IN=292.50 (CB-1211)
INV OUT=290.90

CB-1211
STA 14+60.51
T/C=302.47
INV IN=293.30 (CB-1213)
INV IN=298.70 (CB-1212)
INV OUT=293.20

CB-1212
STA 14+41.52
T/C=302.79
INV OUT=299.00

CB-1213
STA 13+49.48
T/C=304.33
INV IN=294.10 (DI-1214)
INV OUT=294.00

CB-1217
STA 12+44.33
T/C=304.98
INV IN=296.20 (CB-1218)
INV OUT=296.00

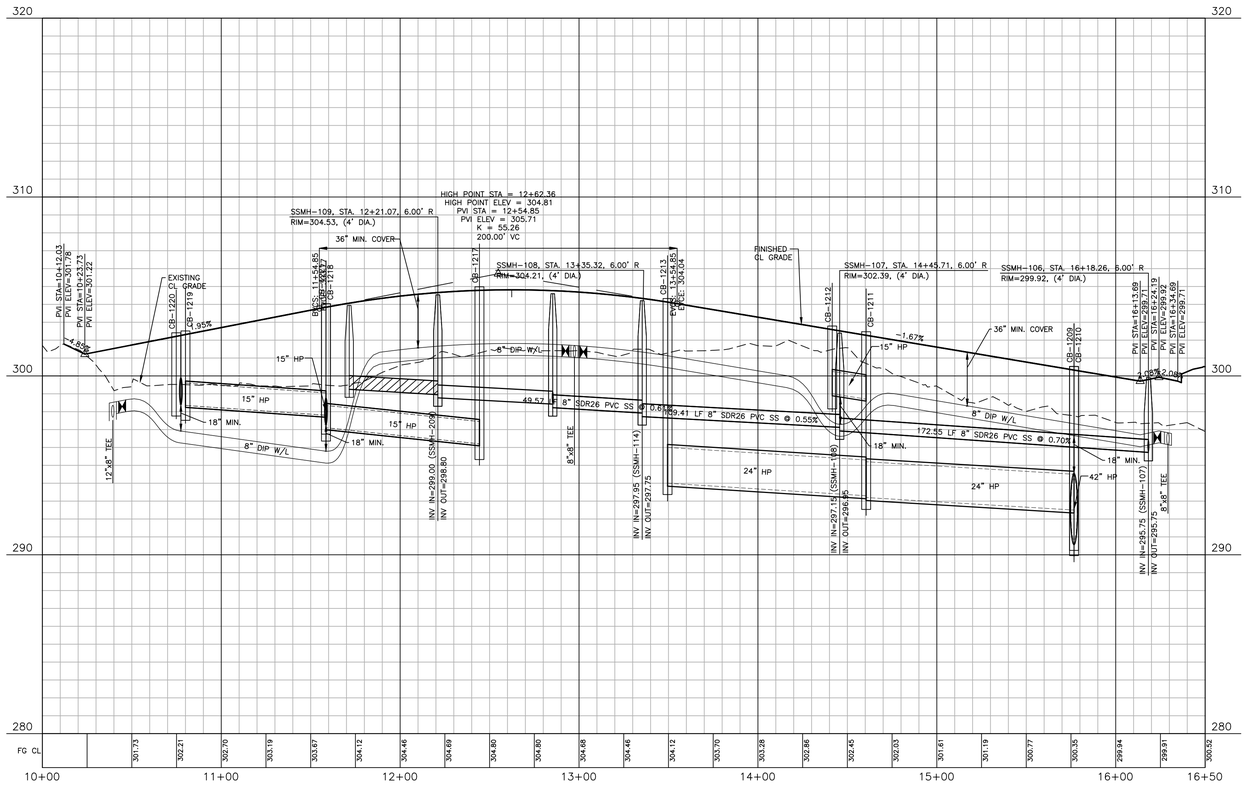
CB-1218
STA 11+58.52
T/C=304.04
INV IN=297.30 (CB-1221)
INV IN=297.80 (CB-1219)
INV IN=300.20 (DI-1224)
INV OUT=297.10

CB-1219
STA 10+80.01
T/C=302.51
INV IN=298.45 (CB-1220)
INV OUT=298.35

CB-1220
STA 10+74.84
T/C=302.41
INV OUT=298.60

CB-1221
STA 11+58.52
T/C=304.04
INV IN=297.60 (DI-1222)
INV OUT=297.50

BLUE ASH ROAD



NOTE: CHAMBLEE ROAD OFFSITE IMPROVEMENTS SUBMITTED UNDER SEPARATE COVER (SEE OFFSITE IMPROVEMENTS DRAWINGS FOR REFERENCE)

EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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

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 # _____

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603

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

www.mcadamsco.com

CLIENT
D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 049483 BRIAN K. BARKER

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

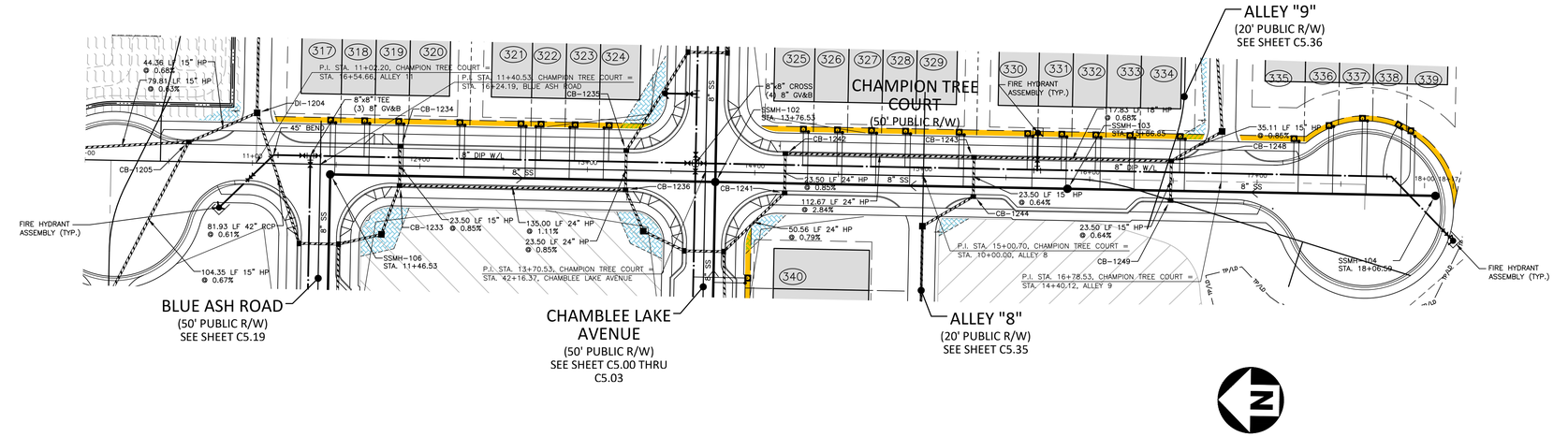
PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-P3
CHECKED BY	RKB
DRAWN BY	CAJ
SCALE	1"=40'/1"=4'
DATE	02. 26. 2024

PLAN AND PROFILE
BLUE ASH ROAD, STA. 10+00 THRU STA. 16+50

C5.19

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawing\DRH22004-P3.dwg, 7/22/2024 5:23:35 PM, Zach Lee



CB-1205
STA 10+61.76
T/C=298.64
INV IN=293.90 (DI-1207)
INV IN=292.50 (CB-1206)
INV OUT=292.30

CB-1233
STA 11+88.03
T/C=301.03
INV IN=294.10 (CB-1236)
INV IN=298.70 (CB-1234)
INV OUT=293.90

CB-1234
STA 11+88.03
T/C=301.03
INV OUT=298.90

CB-1235
STA 13+23.03
T/C=303.60
INV IN=298.00 (CB-1254)
INV OUT=297.90

CB-1236
STA 13+23.03
T/C=303.60
INV IN=295.80 (DI-1237)
INV IN=297.70 (CB-1235)
INV OUT=295.60

CB-1241
STA 14+18.03
T/C=304.98
INV IN=297.40 (CB-1242)
INV OUT=297.30

CB-1242
STA 14+18.03
T/C=304.98
INV IN=297.70 (CB-1243)
INV OUT=297.60

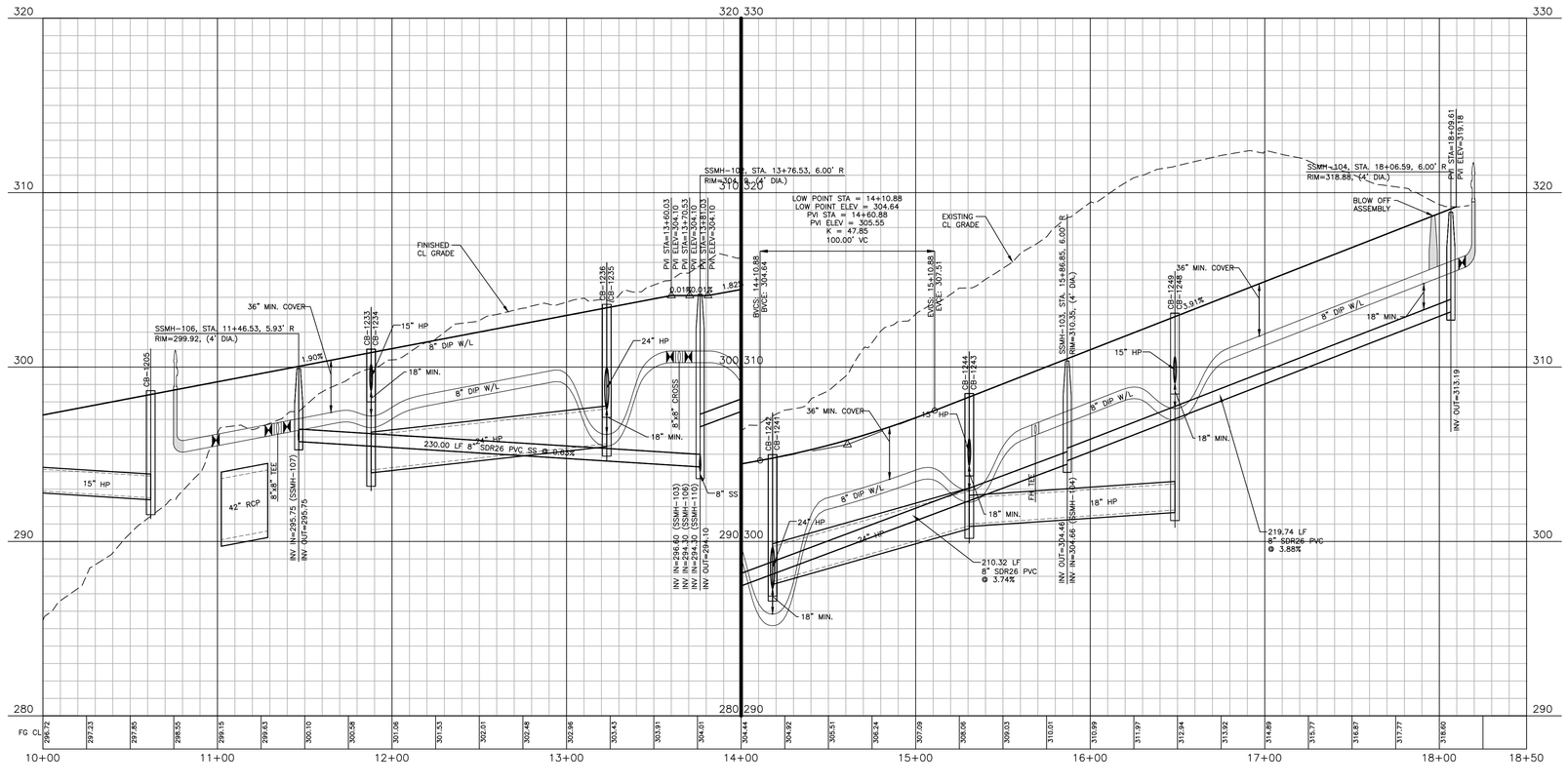
CB-1243
STA 15+30.70
T/C=308.48
INV IN=301.00 (CB-1248)
INV IN=304.45 (CB-1244)
INV OUT=300.90

CB-1244
STA 15+30.70
T/C=308.48
INV IN=304.70 (DI-1245)
INV OUT=304.60

CB-1248
STA 16+48.53
T/C=313.09
INV IN=302.10 (DI-1250)
INV IN=309.15 (CB-1249)
INV OUT=301.80

CB-1249
STA 16+48.53
T/C=313.09
INV OUT=309.30

CHAMPION TREE COURT



EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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

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 # _____

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603

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

www.mcadamsco.com

CLIENT
D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER BRIAN K. BARKER

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

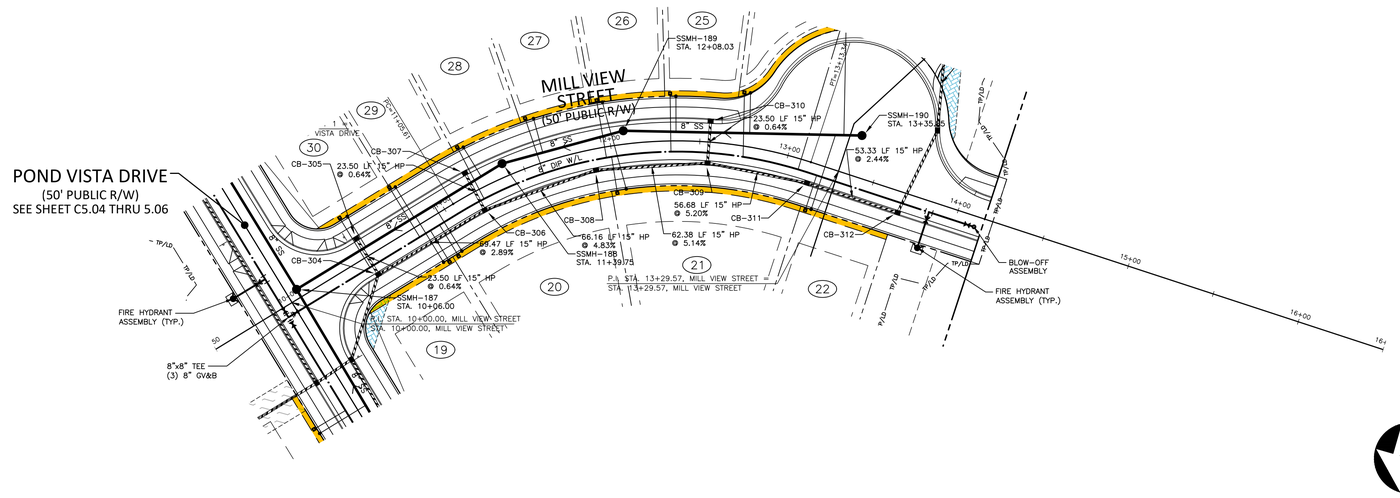
PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-P3
CHECKED BY	RKB
DRAWN BY	CAJ
SCALE	1"=40'/1"=4'
DATE	02. 26. 2024

PLAN AND PROFILE
CHAMPION TREE COURT, STA. 10+00 THRU STA. 18+50

C5.20

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawing\\Current Drawing\\DRH22004-P3.dwg, 7/22/2024 5:23:38 PM, Zach Lee



CB-304
STA 10+49.40
T/C=327.64
INV IN=323.90 (CB-306)
INV IN=324.15 (CB-305)
INV OUT=323.65

CB-305
STA 10+49.40
T/C=327.64
INV OUT=324.30

CB-306
STA 11+19.55
T/C=330.02
INV IN=326.60 (CB-308)
INV IN=326.45 (CB-307)
INV OUT=325.90

CB-307
STA 11+19.55
T/C=330.01
INV OUT=326.60

CB-308
STA 11+89.37
T/C=333.44
INV IN=329.90 (CB-309)
INV OUT=329.80

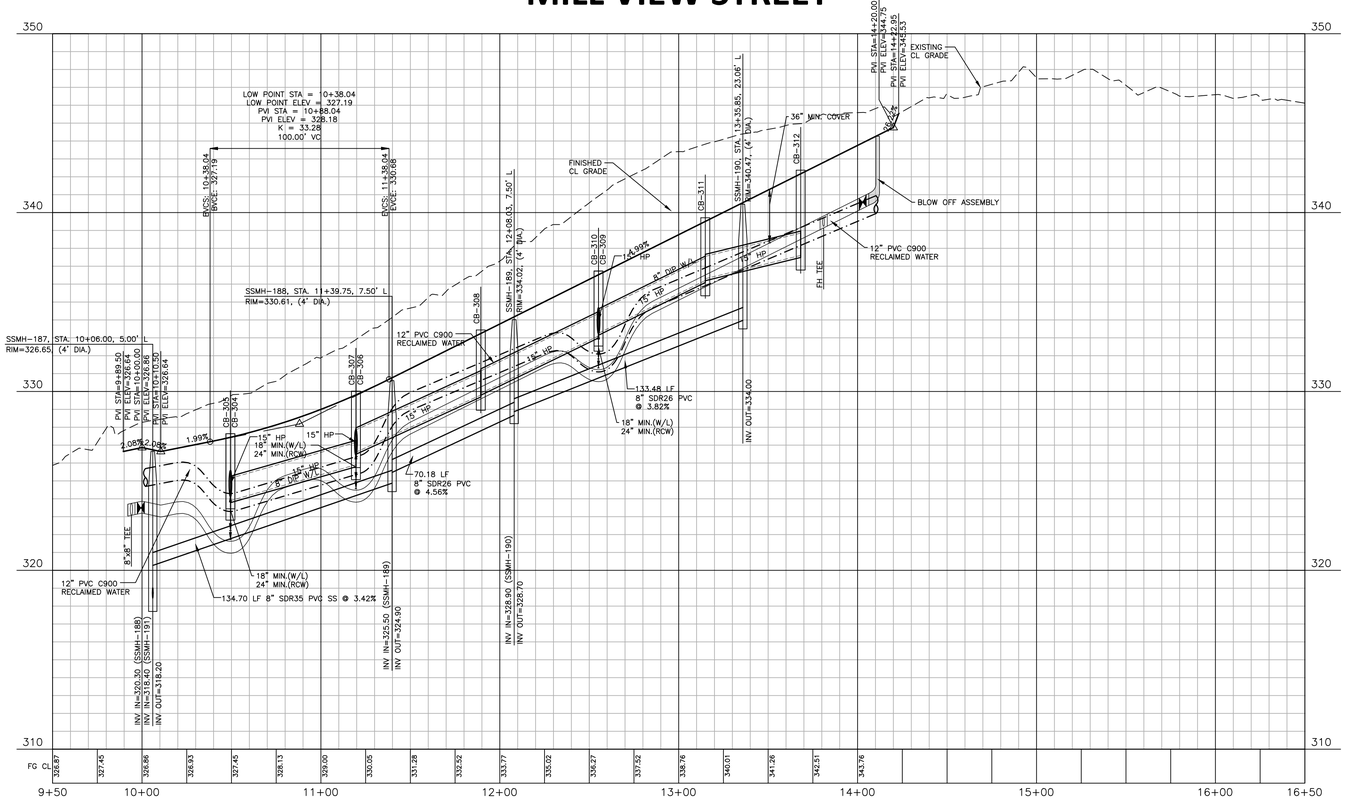
CB-309
STA 12+55.17
T/C=336.73
INV IN=333.25 (CB-311)
INV IN=333.25 (CB-310)
INV OUT=333.10

CB-310
STA 12+55.17
T/C=336.73
INV OUT=333.40

CB-311
STA 13+14.84
T/C=339.71
INV IN=336.30 (CB-312)
INV OUT=336.20

CB-312
STA 13+68.17
T/C=342.37
INV IN=337.70 (CB-313)
INV OUT=337.60

MILL VIEW STREET



EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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

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 # _____

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-P4.dwg, 7/22/2024 5:23:55 PM, Zach Lee

MCADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT
D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614
D·R·HORTON America's Builder

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER RYAN K. BARKER NOT FOR CONSTRUCTION

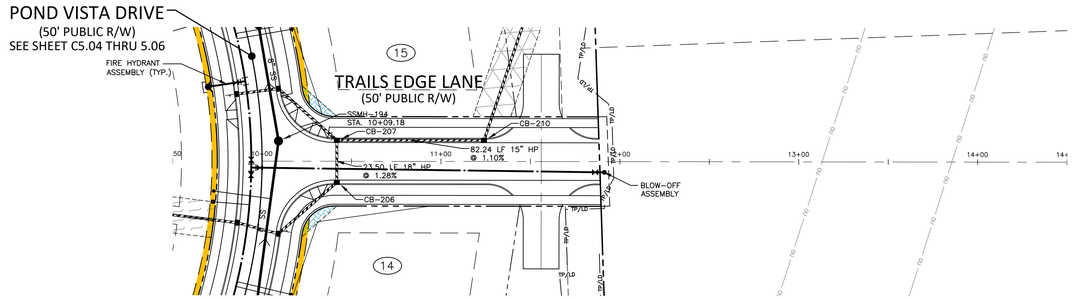
CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-P4
CHECKED BY	RKB
DRAWN BY	CAJ
SCALE	1"=40'/1"=4'
DATE	02. 26. 2024

PLAN AND PROFILE
MILL VIEW STREET, STA. 9+50 THRU STA. 16+50

C5.21

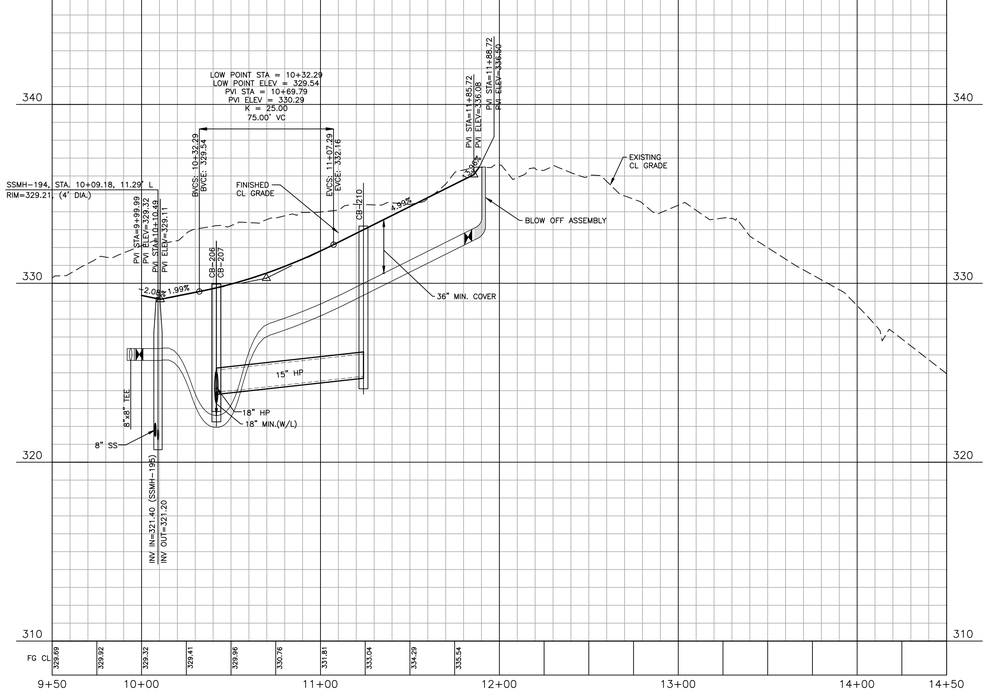


CB-206
STA 10+41.79
T/C=329.96
INV IN=323.30 (CB-207)
INV OUT=323.00

CB-207
STA 10+41.79
T/C=329.96
INV IN=325.90 (CB-208)
INV IN=323.90 (CB-210)
INV OUT=323.60

CB-210
STA 11+24.04
T/C=333.20
INV IN=325.10 (DI-211)
INV OUT=324.80

TRAILS EDGE LANE



EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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

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 # _____

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McAdams
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT
D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 049483 RYAN K. BARKER — NOT FOR CONSTRUCTION

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

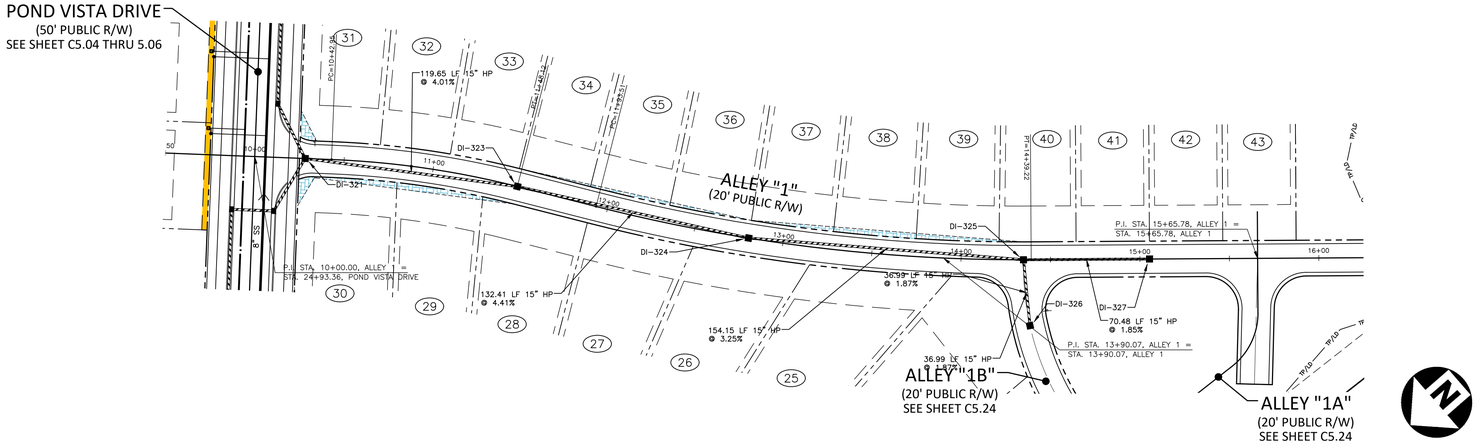
PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-P4
CHECKED BY	RKB
DRAWN BY	CAJ
SCALE	1"=40'/1"=4'
DATE	02. 26. 2024

PLAN AND PROFILE
TRAILS EDGE LANE, STA. 9+50 THRU STA. 14+50

C5.22

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-P4.dwg, 7/22/2024 5:22:58 PM, Zach Lee



DI-321
STA 10+28.20
T/G=324.74
INV IN=311.70 (CB-322)
INV IN=321.25 (DI-323)
INV OUT=311.60

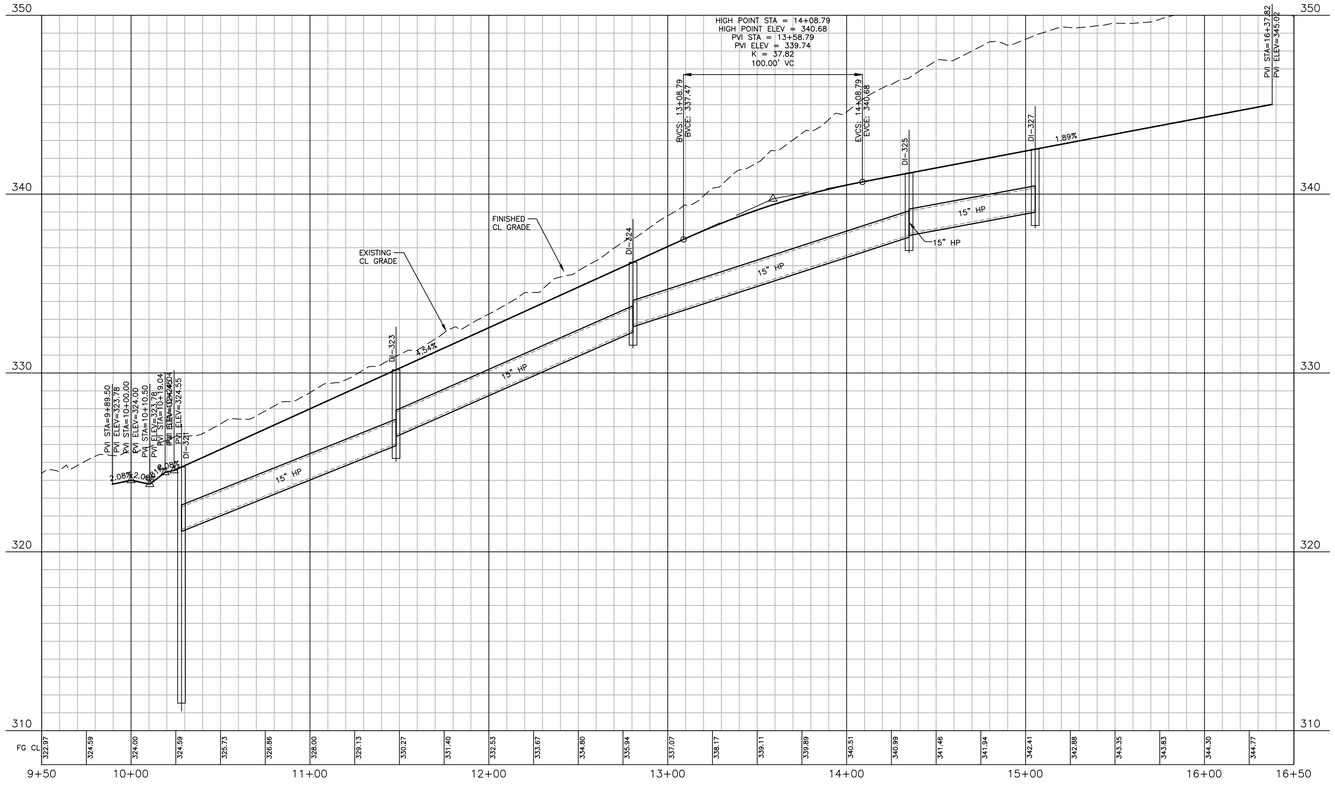
DI-323
STA 11+48.12
T/G=330.18
INV IN=326.55 (DI-324)
INV OUT=326.05

DI-324
STA 12+80.58
T/G=336.19
INV IN=332.70 (DI-325)
INV OUT=332.40

DI-325
STA 14+34.89
T/G=341.18
INV IN=337.80 (DI-327)
INV IN=337.80 (DI-326)
INV OUT=337.70

DI-327
STA 15+05.37
T/G=342.51
INV OUT=339.10

ALLEY 1



EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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

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 # _____

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McAdams
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT
D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

REVISIONS

NO.	DATE	
1.	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER RYAN K. BARKER
NOT FOR CONSTRUCTION

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

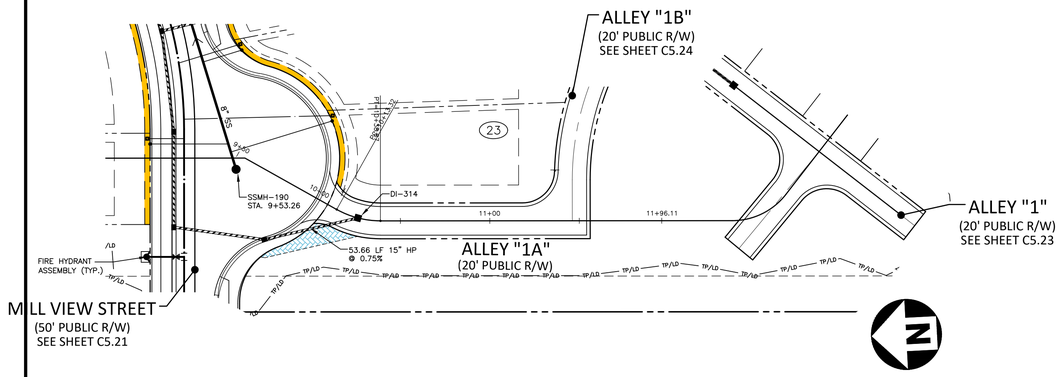
PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-P4
CHECKED BY	RKB
DRAWN BY	CAJ
SCALE	1"=40'/1"=4'
DATE	02. 26. 2024

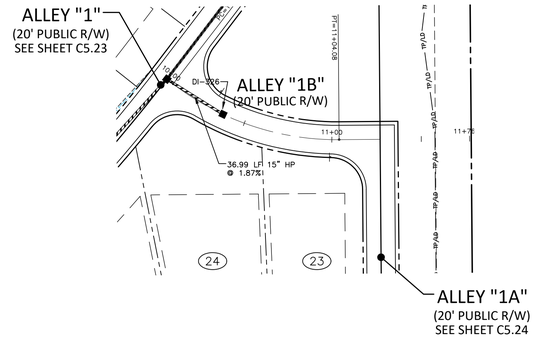
PLAN AND PROFILE
ALLEY "1", STA. 9+50 THRU STA. 16+50

C5.23

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-P4.dwg, 7/22/2024 5:33:01 PM, Zach Lee



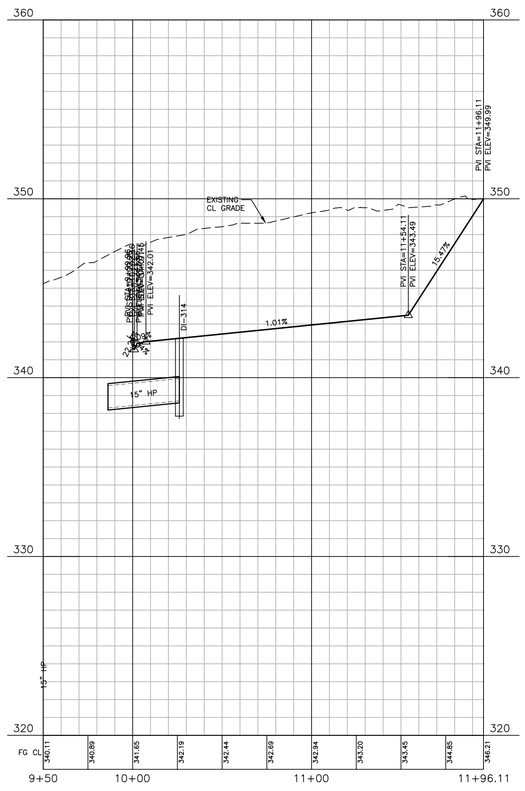
DI-314
STA 10+26.09
T/G=342.20
INV OUT=338.70



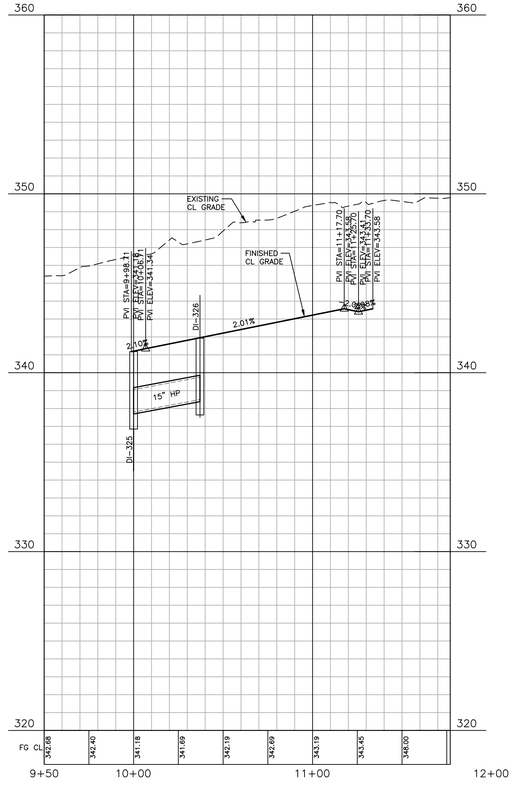
DI-325
STA 14+34.89
T/G=341.18
INV IN=337.80 (DI-327)
INV IN=337.80 (DI-326)
INV OUT=337.70

DI-326
STA 14+38.34
T/G=341.93
INV OUT=338.50

ALLEY 1A



ALLEY 1B



EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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

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 # _____

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawing\DRH22004-P4.dwg, 7/23/2024 5:23:06 PM, Zach Lee

The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603

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

www.mcadamsco.com

CLIENT
D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 049483 RYAN K. BARKER

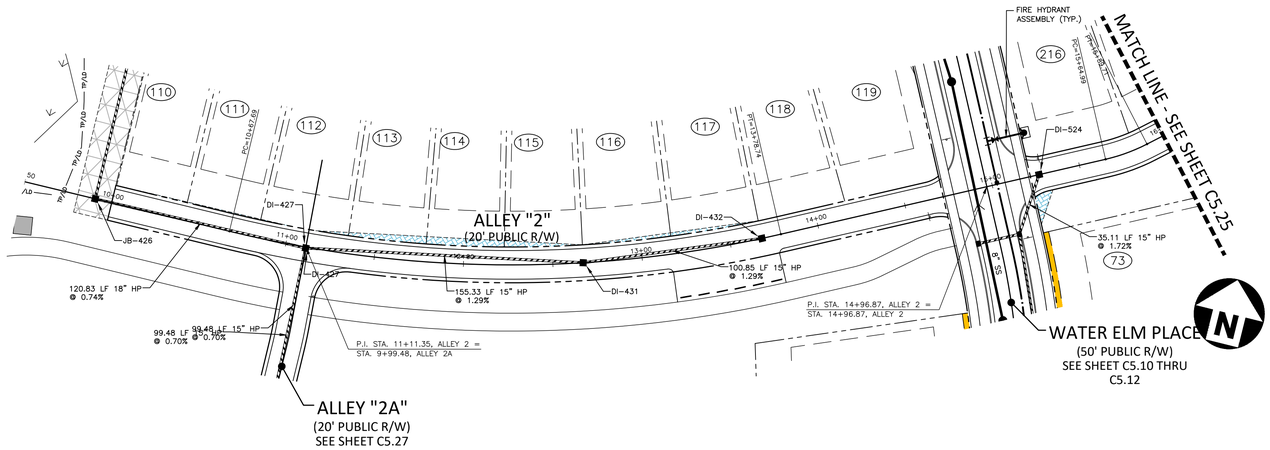
CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-P4
CHECKED BY	RKB
DRAWN BY	CAJ
SCALE	1"=40'/1"=4'
DATE	02. 26. 2024

PLAN AND PROFILE
ALLEY "1A", STA. 9+50 THRU STA. 14+00
ALLEY "1B", STA. 9+50 THRU STA. 12+00

C5.24



DI-427
STA 10+00.00
T/G=319.99
INV IN=315.80 (DI-428)
INV IN=316.50 (DI-431)
INV OUT=315.40

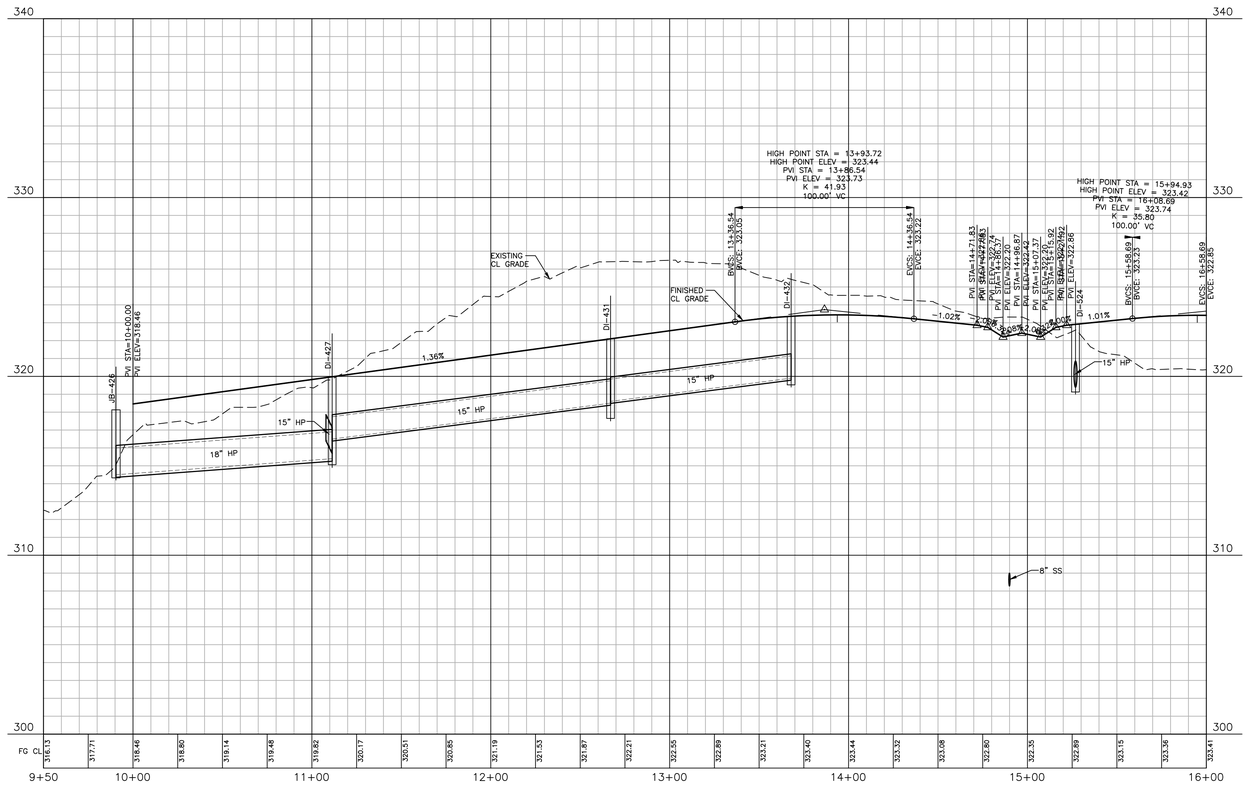
DI-431
STA 12+66.96
T/G=322.10
INV IN=318.60 (DI-432)
INV OUT=318.50

DI-432
STA 13+67.90
T/G=323.36
INV OUT=319.90

DI-524
STA 15+26.87
T/G=322.91
INV OUT=319.50

JB-426
STA 9+90.52
RIM=318.13

ALLEY 2



EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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

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 # _____

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-P4.dwg, 7/22/2024 5:23:08 PM, Zach Lee

McAdams
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT
D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614
D·R·HORTON America's Builder

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER RYAN K. BARKER — NOT FOR CONSTRUCTION

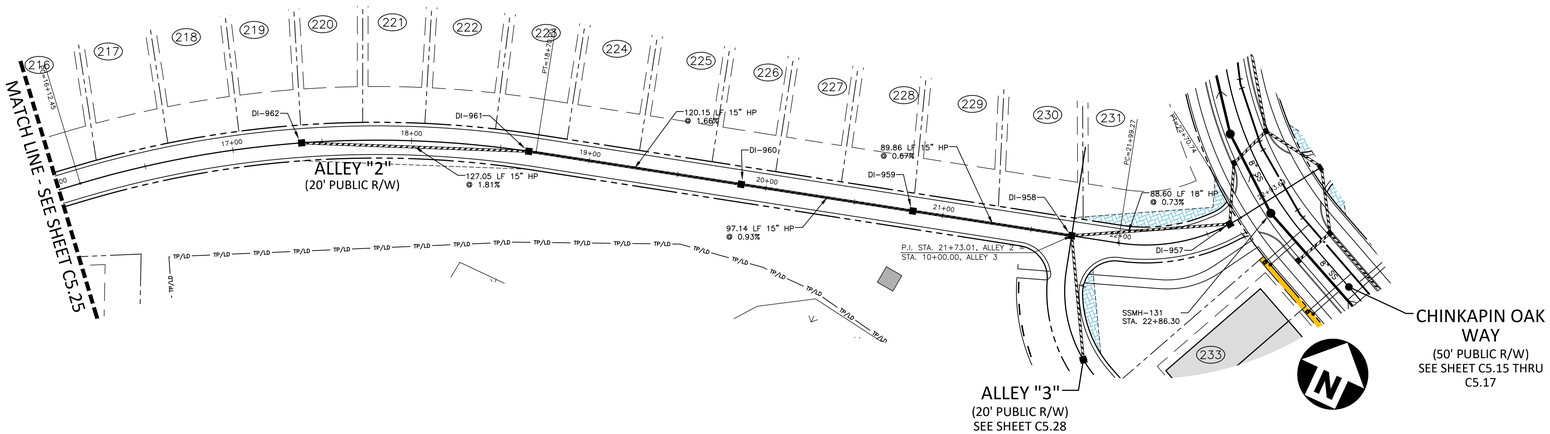
CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-P4
CHECKED BY	RKB
DRAWN BY	CAJ
SCALE	1"=40'/1"=4'
DATE	02. 26. 2024

PLAN AND PROFILE
ALLEY "2", STA. 9+50 THRU STA. 16+00

C5.25



DI-957
STA ???
T/G=318.21
INV IN=311.10 (DI-958)
INV OUT=310.50

DI-958
STA ???
T/G=316.85
INV IN=312.00 (DI-959)
INV IN=313.50 (DI-963)
INV OUT=311.75

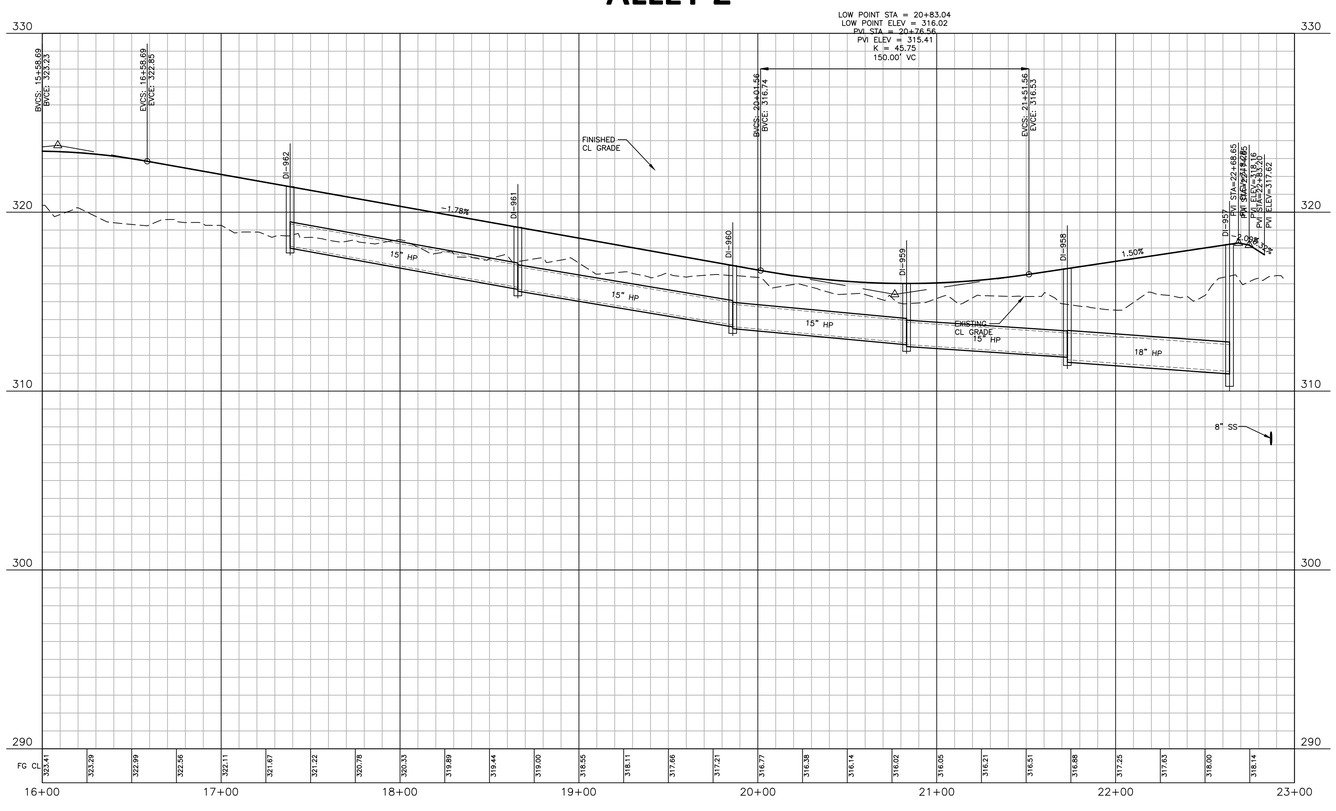
DI-959
STA ???
T/G=316.02
INV IN=312.70 (DI-960)
INV OUT=312.60

DI-960
STA ???
T/G=317.02
INV IN=313.70 (DI-961)
INV OUT=313.60

DI-961
STA ???
T/G=319.16
INV IN=315.80 (DI-962)
INV OUT=315.70

DI-962
STA ???
T/G=321.43
INV OUT=318.10

ALLEY 2



EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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

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 # _____

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-P4.dwg, 7/22/2024 5:23:11 PM, Zach Lev

MCADAMS
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603

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

www.mcadamsco.com

CLIENT
D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 049483 RYAN K. BARKER

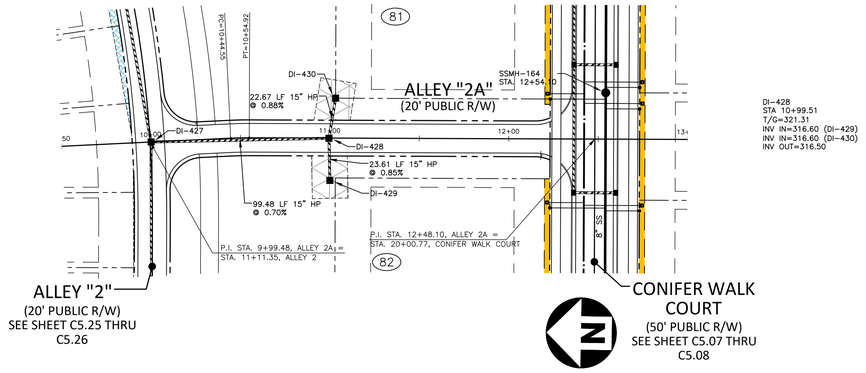
CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

PLAN INFORMATION

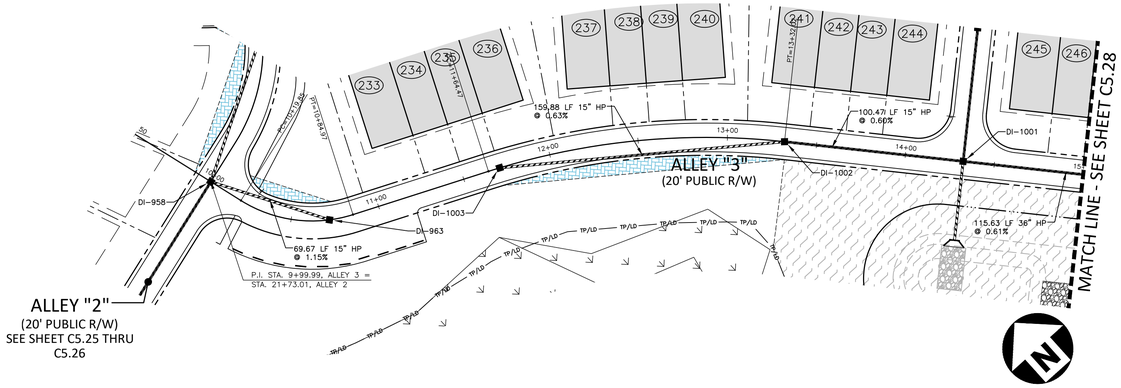
PROJECT NO.	DRH22004
FILENAME	DRH22004-P4
CHECKED BY	RKB
DRAWN BY	CAJ
SCALE	1"=40'/1"=4'
DATE	02. 26. 2024

PLAN AND PROFILE
ALLEY "2", STA. 16+00 THRU STA. 23+00

C5.26



DI-428
STA 10+99.51
T/G=321.31
INV IN=316.60 (DI-429)
INV IN=316.60 (DI-430)
INV OUT=316.50



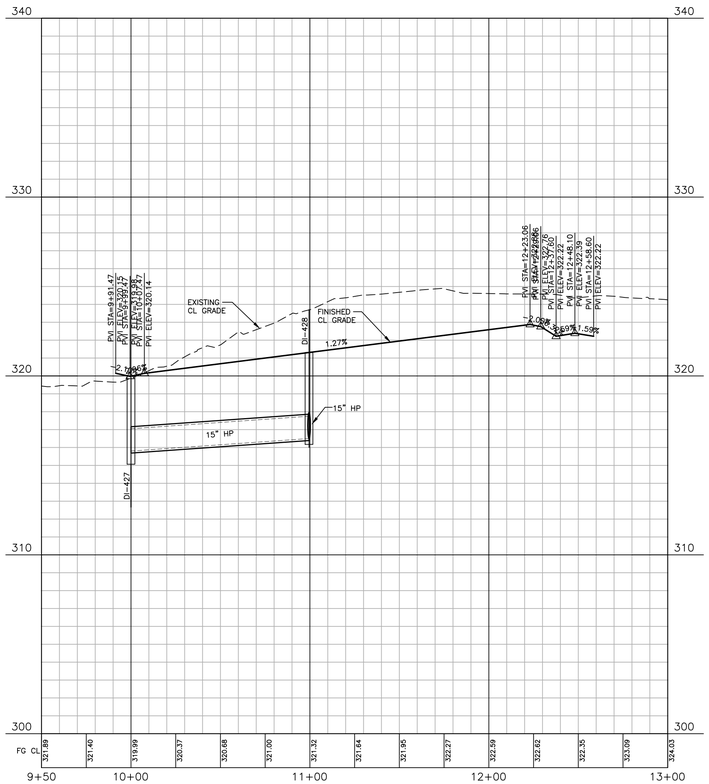
DI-963
STA ???
T/G=317.67
INV OUT=314.30

DI-1001
STA 14+32.48
T/G=318.98
INV IN=314.20 (DI-1002)
INV IN=310.30 (DI-1004)
INV IN=311.50 (DI-1028)
INV OUT=310.20

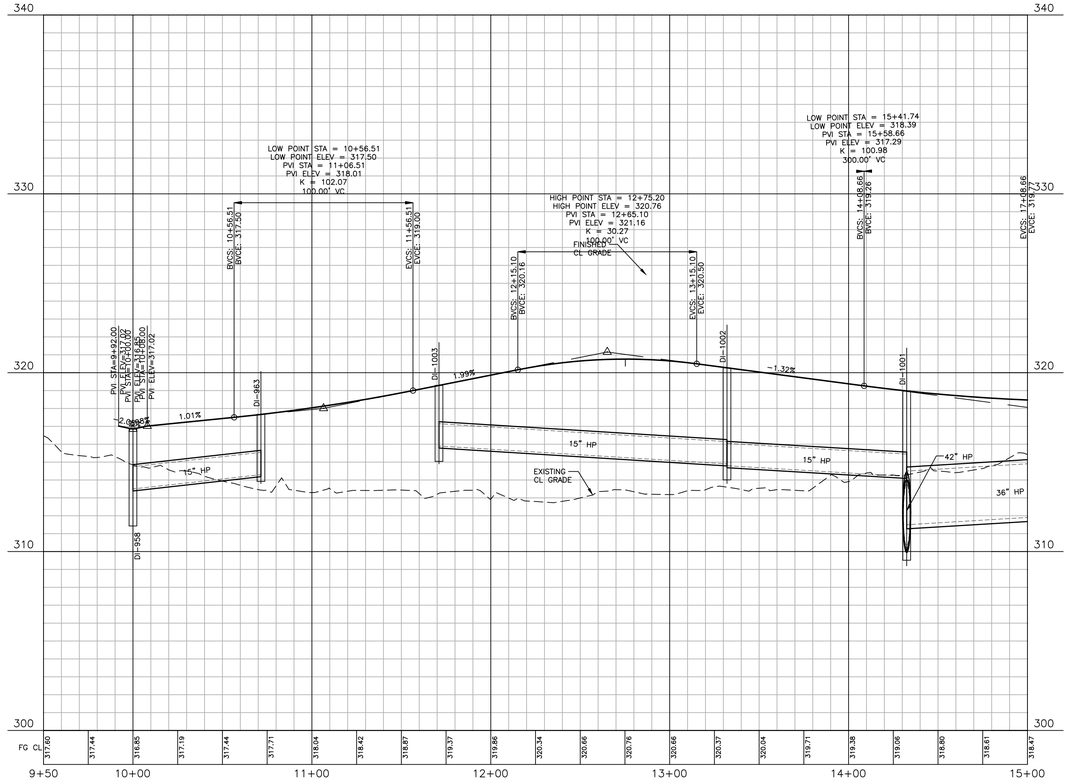
DI-1002
STA 13+32.02
T/G=320.27
INV IN=314.90 (DI-1003)
INV OUT=314.80

DI-1003
STA 11+71.06
T/G=319.29
INV OUT=315.90

ALLEY 2A



ALLEY 3



EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

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

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 # _____

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McAdams
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT
D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER RYAN K. BARKER — NOT FOR CONSTRUCTION

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

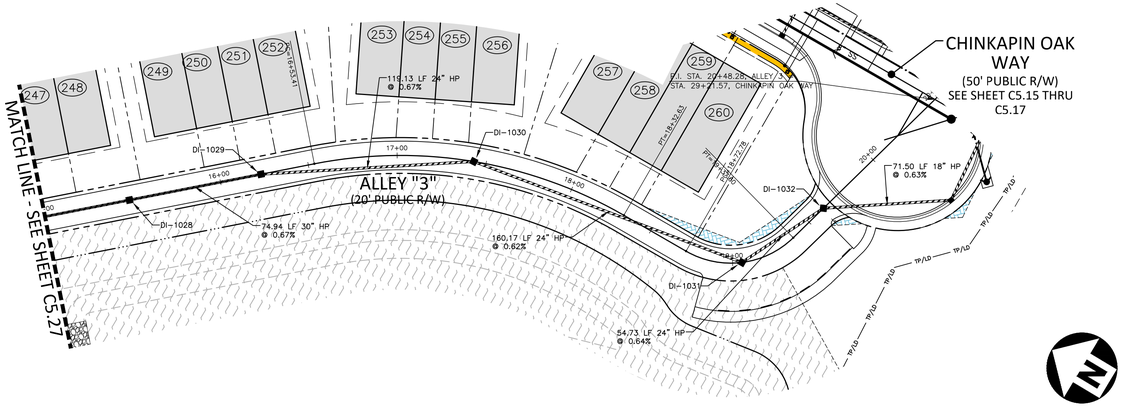
PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-P4
CHECKED BY	RKB
DRAWN BY	CAJ
SCALE	1"=40'/1"=4'
DATE	02. 26. 2024

PLAN AND PROFILE
ALLEY "2A", STA. 9+50 THRU STA. 13+00
ALLEY "3", STA. 9+50 THRU STA. 15+00

C5.27

I:\A Projects\DRH\R22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-P4.dwg, 7/22/2024 5:23:15 PM, Zach Lee



DI-1001
STA 14+32.48
T/G=318.98
INV IN=314.20 (DI-1002)
INV IN=310.30 (DI-1004)
INV IN=311.50 (DI-1028)
INV OUT=310.20

DI-1028
STA 15+48.11
T/G=318.39
INV IN=312.40 (DI-1029)
INV OUT=312.20

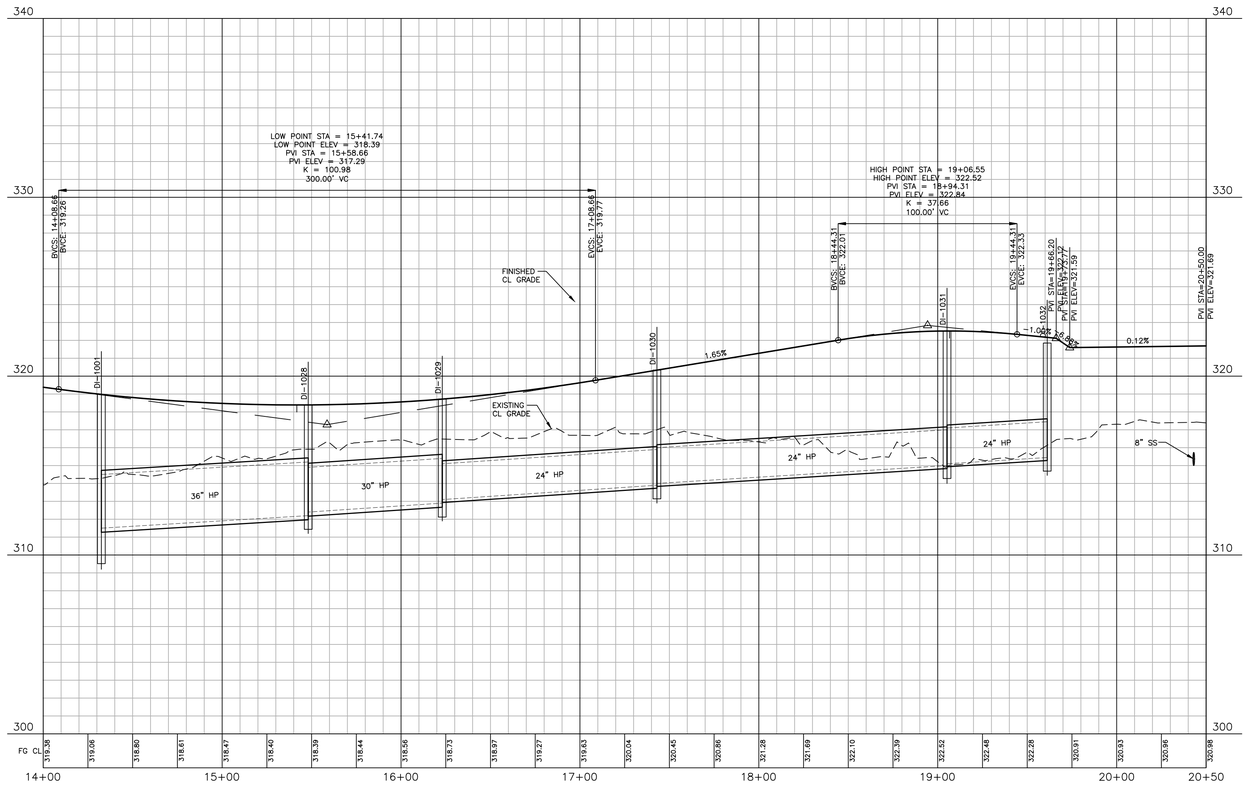
DI-1029
STA 16+23.05
T/G=318.72
INV IN=313.10 (DI-1030)
INV OUT=312.90

DI-1030
STA 17+43.02
T/G=320.34
INV IN=314.00 (DI-1031)
INV OUT=313.90

DI-1031
STA 19+05.19
T/G=322.52
INV IN=315.10 (DI-1032)
INV OUT=315.00

DI-1032
STA 19+61.20
T/G=321.85
INV IN=315.55 (CB-1033)
INV OUT=315.45

ALLEY 3



EASEMENT LEGEND

- 20' PRIVATE STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH STORM DRAINAGE EASEMENT
- PUBLIC VARIABLE WIDTH SCM ACCESS EASEMENT
- PRIVATE VARIABLE WIDTH RETAINING WALL EASEMENT
- 3 FOOT CITY OF RALEIGH PUBLIC UTILITY EASEMENT

GRAPHIC SCALE

0 20 40 80

1 inch = 40 ft.

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 # _____

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

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

McAdams
The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT
D.R. HORTON, INC.
7208 FALLS OF NEUSE ROAD, SUITE 201
RALEIGH, NC 27615
PHONE: 984. 247. 9614

REVISIONS

NO.	DATE	
1	07. 19. 2024	RESPONSE TO MUNICIPALITY COMMENTS

NORTH CAROLINA PROFESSIONAL SEAL 049483 ENGINEER RYAN K. BARKER
NOT FOR CONSTRUCTION

CHAMBLEE LAKE
CONSTRUCTION DRAWINGS
1509 CHAMBLEE ROAD
ZEBULON, NORTH CAROLINA

PLAN INFORMATION

PROJECT NO.	DRH22004
FILENAME	DRH22004-P4
CHECKED BY	RKB
DRAWN BY	CAJ
SCALE	1"=40'/1"=4'
DATE	02. 26. 2024

PLAN AND PROFILE
ALLEY "3", STA. 14+00 THRU STA. 20+50

C5.28

M:\Projects\DRH\DRH22004\04-Production\Engineering\Construction Drawings\Current Drawings\DRH22004-P4.dwg, 7/22/2024 5:23:18 PM, Zach Lee