Preliminary Subdivision Application

Site Review

Planning and Development Customer Service Center • One Exchange Plaza, Suite 400 | Raleigh, NC 27601 | 919-996-2500

Raleigh

INSTRUCTIONS: This form is used when submitting a Preliminary Subdivision (UDO Section 10.2.5). Please check the appropriate review type and include the plan checklist document. Please email all documents and your preliminary subdivision plans to SiteReview@raleighnc.gov.

DEVELOPMENT OPTIONS (UDO Chapter 2)		
☑ Conventional Subdivision	☐ Compact Development	☐ Conservation Development
☐ Cottage Court	☐ Flag lot	☐ Frequent Transit Development Option
NOTE: Subdivisions may require City Council approval if located in a Historic Overlay District.		

GENERAL INFORMATION				
Scoping/sketch plan case number(s):				
Development name (subject to approval): ROCK QUARRY ROAD SOUTH				
Property Address(es): 6720 ROCK QUARRY ROAD SOUTH RALEIGH, NC 27610				
Recorded Deed PIN(s): 1731741626				
Building type(s):	☐ Detached House	☐ Attached House	☑ Townhouse	☐ Apartment
☐ General Building	☐ Mixed Use Building	☐ Civic Building	☐ Open Lot	☐ Tiny House

CURRENT PROPERTY OWNER/APPLICANT/DEVELOPER INFORMATION	
Current Property Owner(s) Names: CAERUS ROTH LLC	
Company: CAERUS ROTH LLC	Title: CHRIS JUDY, MANAGER
Address: 4700 FALLS OF NEUSE RD, SUITE 400, RALEIGH NC 27609	
Phone #: 919-534-1230	Email: CHRIS.JUDY@TJTPA.COM
Applicant Name (If different from owner. See "who can apply" in instructions): ROBERT SHUNK	
Relationship to owner: ☐ Lessee or contract purchaser ☑ Owner's authorized agent ☐ Easement holder	
Company: STACKHOUSE DEVELOPMENT	Address: 2310 S MIAMI BLVD SUITE 238 DURHAM, NC 27703
Phone #: 919-308-2123	Email: ROBERT@GANDERDEV.COM
NOTE: please attach purchase agreement or contract, lease or easement when submitting this form.	
Developer Contact Names: ROBERT C SHUNK, Jr	
Company: GANDER DEVELOPMENT	Title: DIRECTOR OF ENTITLEMENTS
Address: 2310 S MIAMI BLVD SUITE 238 DURHAM, NC 27703	
Phone #: 919-308-2123	Email: ROBERT@GANDERDEV.COM

DEVELOPMENT TYPE + SITE DATE TABLE – ZONING INFORMATION		
Gross site acreage: 37.787		
Zoning districts (if more than one, provide acreage of each): CX-5-CU (4.069 AC), RX-3-CU (33.718 AC)		
Overlay district(s): N/A	Inside City Limits? ✔ Yes ☐ No	Historic District/Landmark: N/A ☐
Conditional Use District (CUD) Case # Z- 2-22	Board of Adjustment Case # BOA-	Design Alternate Case # DA-

STORMWATER INFORMATION	
Imperious Area on Parcel(s): Existing (sf) 0 Proposed total (sf) 567,343	Impervious Area for Compliance (includes right-of-way): Existing (sf) 0 Proposed total (sf) 567,343

NUMBER OF LOTS AND DENSITY		
# of Detached House Lots: 0	# of Attached House Lots: 0	# of Townhouse Lots: 228
# of Tiny House Lots: 0	# of Open Lots: 6	# of Other Lots (Apartment, General, Mixed Use, Civic): 1
Total # of Lots: 235	Total # Dwelling Units: 228	
Proposed density for each zoning district (UDO 1.5.2.F): N/A		

SIGNATURE BLOCK	
Pursuant to state law (N.C. Gen. Stat. § 160D-403(a)), applications for development approvals may be made by the landowner, a lessee or person holding an option or contract to purchase or lease land, or an authorized agent of the landowner. An easement holder may also apply for development approval for such development as is authorized by the easement. By submitting this application, the undersigned applicant acknowledges that they are either the property owner or one of the persons authorized by state law (N.C.G.S. 160D-403(a)) to make this application, as specified in the application. The undersigned also acknowledges that the information and statements made in the application are correct and the undersigned understands that development approvals are subject to revocation for false statements or misrepresentations made in securing the development approval, pursuant to N.C. Gen. Stat. § 160D-403(f). The undersigned indicates that the property owner(s) is aware of this application and that the proposed project described in this application will be maintained in all respects in accordance with the plans and specifications submitted herewith, and in accordance with the provisions and regulations of the City of Raleigh Unified Development Ordinance. The undersigned hereby acknowledges that, pursuant to state law (N.C.G.S. 143-755(b1), if this permit application is placed on hold at the request of the applicant for a period of six consecutive months or more, or if the applicant fails to respond to comments or provide additional information requested by the City for a period of six consecutive months or more, then the application review is discontinued and a new application is required to proceed and the development regulations in effect at the time permit processing is resumed shall apply to the new application.	
Signature:	Date: 04/28/2023
Printed Name: Robert C. Shunk, Jr.	
Signature:	Date:
Printed Name:	

ROCK QUARRY ROAD SOUTH

6720 ROCK QUARRY RD, RALEIGH NC 27610

CITY OF RALEIGH PSUB SUBMITTAL

SUBMITTED ON 04.28.2023

SHEET LIST

SHEET #	SHEET NAME
C0.00	COVER SHEET
C0.01	GENERAL NOTES
C1.00	EXISTING CONDITIONS PLAN
C1.01	PRELIMINARY RECOMBINATION PLAT
C2.00	DEMOLITION PLAN
C3.00	SITE PLAN
C3.10	SUBDIVISION PLAN
C3.11	AMENITY AREA PLAN
C3.12	TCA PLAN
C3.13	TRANSPORTATION PLAN
C5.00	GRADING& STORM DRAINAGE PLAN
C5.10	SCM DETAIL SHEET
C6.00	UTILITIES PLAN
C6.20	FIRE PROTECTION PLAN
C9.00	SITE DETAILS
L1.00	PLANTING PLAN
L2.00	PLANTING DETAILS

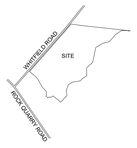
VICINITY MAP
SCALE 1" = 400'

SWIFT PARTNERS
414 FAYETTEVILLE ST
RALEIGH NC 27601
FIRM LICENSE: P-2187

NOT FOR CONSTRUCTION

No. Date Description

VICINITY



SCALE

ARROW

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Signature:	Date: 04/28/2023
Printed Name: Robert C. Shunk, Jr.	
Signature:	Date:
Printed Name:	

ZONING CONDITIONS (Z-2-22)

CX-5-CU

1. IN ADDITION TO THOSE OTHERWISE PROHIBITED BY THE UDO, THE FOLLOWING USES ARE PROHIBITED: ADULT ESTABLISHMENT; CEMETERY, DETENTION CENTER, JAIL, PRISON, VEHICLE FUEL SALES, VEHICLE SERVICE, COLLEGE, COMMUNITY COLLEGE, UNIVERSITY, SCHOOL, PUBLIC OR PRIVATE (K-12).
2. THE TOTAL NUMBER OF RESIDENTIAL UNITS SHALL NOT EXCEED 400.
THERE ARE NO RESIDENTIAL UNITS BEING PROPOSED WITHIN THIS PORTION OF THE PARCEL.

RX-3-CU

1. THE TOTAL NUMBER OF RESIDENTIAL UNITS SHALL NOT EXCEED 300.
THERE ARE 228 RESIDENTIAL UNITS BEING PROPOSED.

CONDITION FOR ENTIRE PROPERTY:

1. AT LEAST ONE (1) CONSTRUCTED WETLAND WILL BE INCORPORATED AS PART OF THE OVERALL STORMWATER MANAGEMENT PLAN FOR THE PROPERTY INCLUDED IN THIS REZONING.
WETLAND TO BE CONSTRUCTED DURING FUTURE DEVELOPMENT AS PART OF THE OVERALL STORMWATER MANAGEMENT PLAN.

GENERAL NOTES

1. ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN COMPLIANCE WITH THE OFFICE OF STATE CONSTRUCTION, DEPARTMENT OF INSURANCE, NCDENR, AND ALL OTHER APPLICABLE LOCAL, STATE AND FEDERAL GUIDELINES. ALL UTILITY CONSTRUCTION SHALL COMPLY WITH APPLICABLE LOCAL JURISDICTIONAL STANDARDS AND SPECIFICATIONS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF ANY WORK. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES OR CONFLICTS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING, COORDINATING AND PAYMENT FOR ALL NECESSARY LOCATING SERVICES INCLUDING INDEPENDENT LOCATING SERVICES. THE CONTRACTOR SHALL PROVIDE NOTICE OF EXCAVATION TO NOTIFICATI CENTER AND FACILITY OWNERS (PER NC STATUTE) NO LESS THAN 3 BUSINESS DAYS AND NO MORE THAN 12 WORKING DAYS PRIOR TO BEGINNING DEMOLITION, EXCAVATION OR ANY OTHER FORM OF CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES OR CONFLICTS. NO EXCAVATION OR DEMOLITION SHALL BE STARTED WITHOUT ALL UTILITIES BEING LOCATED.
4. ALL SUB-SURFACE UTILITIES IDENTIFIED ON THE CONSTRUCTION DOCUMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATION BASED ON SURVEY INFORMATION GATHERED FROM FIELD INSPECTION AND/OR ANY OTHER APPLICABLE RECORD DRAWINGS WHICH MAY BE AVAILABLE. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES OR CONFLICTS.
5. EXISTING IMPROVEMENTS DAMAGED OR DESTROYED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE RESTORED OR REPLACED TO ORIGINAL CONDITION AND TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE AT THE CONTRACTOR'S EXPENSE.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND COORDINATING PERMITS, INSPECTIONS, CERTIFICATIONS AND OTHER REQUIREMENTS WHICH MUST BE MET UNDER THIS CONTRACT.
7. THE CONTRACTOR SHALL MAINTAIN "AS-BUILT" DRAWINGS TO RECORD THE ACTUAL LOCATION OF ALL PIPING PRIOR TO CONCEALMENT, VALVE AND MANHOLE CHANGES, AND HARDSCAPE OR LANDSCAPE CHANGES. DRAWINGS SHALL BE PROVIDED TO THE OWNER'S REPRESENTATIVE AT REGULAR INTERVALS, OR AS REQUESTED THROUGHOUT THE PROJECT FOR RECORD KEEPING.
8. IF DEPARTURES FROM THE PROJECT DRAWINGS OR SPECIFICATIONS ARE DEEMED NECESSARY BY THE CONTRACTOR, DETAILS OF SUCH DEPARTURES AND REASONS THERE OF SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE FOR REVIEW. NO DEPARTURES FROM THE CONTRACT DOCUMENTS SHALL BE MADE WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE OWNER'S REPRESENTATIVE.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RELOCATION OF ANY EXISTING UTILITY LINES REQUIRED TO COMPLETE ANY PORTION OF CONSTRUCTION. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE COORDINATION AND COSTS OF THE RELOCATION AND ASSOCIATED WORK.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE PREMISES FREE FROM ACCUMULATIONS OF WASTE MATERIALS AND RUBBISH CAUSED BY THE CONTRACTOR. ALL DEBRIS SHALL BE REMOVED FROM THE PROJECT SITE ON A DAILY BASIS.
11. THE ENGINEER AND/OR OWNER DISCLAIM ANY ROLE IN THE CONSTRUCTION MEANS AND/OR METHODS ASSOCIATED WITH THE PROJECT AS SET FORTH IN THESE PLANS.
12. ROADWAYS (TEMPORARY OR PERMANENT) MUST BE CAPABLE OF SUPPORTING FIRE FIGHTING APPARATUS (85,000 LBS) DURING ALL PHASES OF CONSTRUCTION ONCE VERTICAL CONSTRUCTION HAS BEGUN.
13. RESIDENTIAL DRIVEWAY LOCATIONS AND WIDTHS WILL BE SUBJECT TO APPROVAL AT TIME OF SITE PERMITTING REVIEW. WHEN DESIGNING THE SITE, THE DESIGNER SHOULD KEEP IN MIND THE CITY OF RALEIGH RESIDENTIAL DRIVEWAY STANDARD DETAILS AND REGULATIONS AS FOUND IN RALEIGH STREET DESIGN MANUAL ARTICLE 9.5 AND SECTION 4.6.1.

SOLID WASTE:

1. SOLID WASTE TO BE HANDLED VIA ROLL OUT CART. CARTS ARE TO BE STORED IN GARAGES AND ROLLED OUT TO CURB ALONG PROPERTY FRONTAGE OF PUBLIC STREET. DEVELOPERS HAVE REVIEWED AND ARE IN COMPLIANCE WITH THE REQUIREMENTS SET FORTH IN THE SOLID WASTE DESIGN MANUAL.

TRAFFIC CONTROL AND PEDESTRIAN PLAN (TCPED) NOTES:

1. PRIOR TO ANY WORK THAT IMPACTS THE RIGHT-OF-WAY, CLOSING OR DETOURING OF ANY STREET, LANE, OR SIDEWALK, THE CONTRACTOR MUST APPLY FOR A PERMIT WITH RIGHT-OF-WAY SERVICES. PLEASE DIRECT ANY QUESTIONS TO RIGHTOFWAYSERVICES@RALEIGHNC.GOV.
2. THE STREET, LANE, SIDEWALK, CLOSURE PERMIT IS REQUIRED FOR ANY CLOSURE ON CITY STREETS AND ALL NCDOT STREETS WITHIN RALEIGH'S JURISDICTION.
3. A PERMIT REQUEST WITH A TCPED PLAN SHALL BE SUBMITTED TO RIGHT-OF-WAY SERVICES THROUGH THE CITY OF RALEIGH PERMIT AND DEVELOPMENT PORTAL.
4. PRIOR TO THE START OF WORK, THE CLIENT SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE ENGINEERING INSPECTIONS COORDINATOR TO REVIEW THE SPECIFIC COMPONENTS OF THE APPROVED PLAN, AND ENSURE ALL PERMITS ARE ISSUED.
5. ALL TCPED PLANS SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS AND STANDARDS, INCLUDING BUT NOT LIMITED TO:
   5.1. MANUAL ON UNIFORM TRAFFIC CONTROL (MUTCD);
   5.2. PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG);
   5.3. AMERICAN DISABILITY ACT (ADA) REQUIREMENTS;
   5.4. RALEIGH STREET DESIGN MANUAL (RSDM).
6. ALL PUBLIC SIDEWALKS MUST BE ACCESSIBLE TO PEDESTRIANS WHO ARE VISUALLY IMPAIRED AND/OR PEOPLE WITH MOBILITY CONCERNS. EXISTING AND ALTERNATIVE PEDESTRIAN ROUTES DURING CONSTRUCTION SHALL BE REQUIRED TO BE COMPLIANT WITH THE PUBLIC RIGHTS OF WAY ACCESSIBILITY GUIDELINES (PROWAG), THE ADA STANDARDS FOR ACCESSIBLE DESIGN AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
7. ALL PERMITS MUST BE AVAILABLE AND VISIBLE ON SITE DURING THE OPERATION.

SITE DATA

PROJECT NAME:	ROCK QUARRY ROAD SOUTH
SITE ADDRESS:	6720 ROCK QUARRY RD, RALEIGH NC 27610
COUNTY:	WAKE
PARCEL PIN #:	1731741626
LOT NUMBER:	NEW LOT 2
PARCEL OWNER:	CAERUS ROTH LLC
PARCEL AREA:	37.787 AC / 1,646,004 SF
TOTAL SITE GROSS ACREAGE:	37.787 AC / 1,646,004 SF
RIGHT-OF-WAY DEDICATION:	TOTAL DEDICATION: 6.739 AC / 293,572 SF WHITFIELD ROAD: 0.083 AC / 3,629 SF PROPOSED PUBLIC STREETS INTERNAL TO SITE: 6.656 AC / 289,943 SF
NET ACREAGE:	31.048 AC / 1,352,432 SF (6.739 AC / 293,572 SF ROW DEDICATION)
CURRENT ZONING:	CX-5-CU (4.069 AC) & RX-3-CU (33.718 AC)
PROPOSED ZONING:	CX-5-CU & RX-3-CU
EXISTING LAND USE:	VACANT
PROPOSED LAND USE:	TOWNHOUSE
FLOOD PLAIN DATA:	NONE
RIVER BASIN:	NEUSE
DEVELOPMENT TYPE:	ATTACHED TOWNHOUSE
MAX BUILDING HEIGHT:	50'
PROPOSED BUILDING HEIGHT:	TBD
PROPOSED NUMBER OF TOWNHOUSE LOTS:	228 (ALL 3 BEDROOM)
PROPOSED NUMBER OF OPEN AREA LOTS:	7
LIMITS OF DISTURBANCE:	34.317 AC / 1,494,831 SF
EXISTING IMPERVIOUS AREA:	0 AC / 0 SF
PROPOSED IMPERVIOUS AREA:	13.02 AC / 567,343 SF
REQUIRED AMENITY AREA (10%):	3.105 AC / 135,243 SF
PROPOSED AMENITY AREA:	3.501 AC / 153,366 SF (11.34%)
REQUIRED TREE CONSERVATION AREA (10%)	3.105 AC / 135,243 SF
PROPOSED TREE CONSERVATION AREA:	3.296 AC / 143,590 SF (10.62%)
PARKING DATA:	
REQUIRED PARKING - MULTI-UNIT LIVING (3 BEDROOM):	456 SPACES (2 SPACES PER UNIT)
PROPOSED PARKING - MULTI-UNIT LIVING (3 BEDROOM):	456 SPACES
PROPOSED PARKING - AMENITY AREA:	56 SPACES
TOTAL PARKING:	512 SPACES
REQUIRED BICYCLE PARKING:	14 (1 PER 20 UNITS, 4 MINIMUM)
PROPOSED BICYCLE PARKING:	14
BUILDING SETBACKS:	ATTACHED TOWNHOUSE
FROM PRIMARY STREET	10'
FROM SIDE STREET (MIN)	10'
FROM REAR LOT LINE (MIN)	20'
PARKING SETBACKS	ATTACHED TOWNHOUSE
FROM PRIMARY STREET	20'
FROM SIDE STREET (MIN)	10'
FROM SIDE LOT LINE (MIN)	0'
FROM REAR LOT LINE (MIN)	3'
FROM ALLEY, GARAGE ONLY (MIN)	4'

TRIP GENERATION ESTIMATE

LAND USE (ITE CODE)	INTENSITY	DAILY TRAFFIC (VPD)	AM		PM	
			ENTER (VPD)	EXIT (VPD)	ENTER (VPD)	EXIT (VPD)
MULTIFAMILY HOUSING LOW RISE (220)	228 UNITS	1658	25	83	83	47

SWIFT PARTNERS PLLC
414 FAYETTEVILLE ST
RALEIGH, NC 27601

LUKE PERKINS
828-735-1862
LUKE.PERKINS@SWIFT-PARTNERS.COM

DATE: 04.28.2023
CHECKED BY: LAP
DRAWN BY: LP, RP
PROJECT: ROCK QUARRY ROAD SOUTH
PROJECT #: C202307

SHEET TITLE
COVER SHEET

SHEET NO.
C0.00

SITE NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF THE CONSTRUCTION LAYDOWN AREA, PERIMETER FENCE, AND ASSOCIATED GATES. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE REMOVAL OF THE CONSTRUCTION LAYDOWN AREA PERIMETER FENCE AND ASSOCIATED GATES AT THE COMPLETION OF THE PROJECT.
2. THE CONTRACTOR SHALL REFERENCE THE DESIGN PLANS FOR DIMENSIONS, JOINT LOCATIONS, AND INLAY SPECIFICATIONS NEAR BUILDINGS AND IN COURTYARDS. CONTRACTOR SHALL PROVIDE JOINTS IN WALKWAYS AND HARDSCAPE PER DETAILS OR AS INDICATED ON LANDSCAPE/HARDSCAPE PLAN SHEETS.
3. ALL CONSTRUCTION TRAFFIC SHALL ENTER SITE FROM WHITFIELD ROAD UNLESS OTHERWISE APPROVED IN WRITING FROM THE OWNER'S REPRESENTATIVE FOR AN ALTERNATE POINT OF ACCESS.
4. REFER TO ARCHITECTURAL PLANS FOR BUILDING INFORMATION.
5. ALL DIMENSIONS ARE IN DECIMAL FEET TO OUTSIDE FACE OF BUILDINGS, TO CENTERLINES, AND/OR FACE OF CURB UNLESS OTHERWISE NOTED.
6. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND COORDINATES AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE PRIOR TO ANY CONSTRUCTION.
7. ALL WRITTEN DIMENSIONS SHALL PREVAIL. DO NOT SCALE FROM DRAWINGS.
8. ALL UTILITIES WITH SURFACE ACCESS SHALL BE LOCATED WITHIN THE PAVING PATTERN AND SHALL BE COORDINATED WITH LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. REFER TO LAYOUT DRAWINGS.
9. ALL ANGLES ARE 90 DEGREES UNLESS OTHERWISE NOTED.
10. ALIGN ALL JOINTS, CORNERS, AND EDGES AS SHOWN
11. CONTRACTOR SHALL REFER TO AND COORDINATE WITH ARCHITECTURAL, STRUCTURAL, AND MEP DRAWINGS AT ALL TIMES PRIOR TO AND DURING CONSTRUCTION.
12. ALL CURB TAPERS ARE SIX (6') FEET LONG UNLESS OTHERWISE SHOWN ON PLAN.
13. WHERE NEW SIDEWALK ADJOINS EXISTING WALK, PROVIDE EXPANSION JOINT BY DRILLING INTO THE FACE OF THE EXISTING WALK FOR PLACEMENT OF DOWELS. TIE NEW SIDEWALKS INTO NEAREST EXISTING PAVEMENT JOINT; MATCH WIDTH OF EXISTING WALKWAY.
14. WHERE SIDEWALK OR WALKWAYS ARE ADJACENT TO PARKING SPACES THE WALKWAY SHALL BE A MINIMUM 6.5' WIDE AS MEASURED FROM THE FACE OF CURB.
15. MAXIMUM RUNNING SLOPE FOR WALKING SURFACES CANNOT BE GREATER THAN 1:20 AND CROSS SLOPES CANNOT BE GREATER THAN 1:48. HANDICAP SPACES SURFACE SLOPES SHALL NOT EXCEED 1:48 IN ALL DIRECTIONS.
16. SIGHT TRIANGLES - NOTHING OVER 30" HIGH SHALL BE ALLOWED WITHIN THE SIGHT DISTANCE TRIANGLES.
17. THE SITE SHALL BE FULLY STABILIZED (90% COVERAGE) PRIOR TO ISSUANCE OF A BUILDING CERTIFICATE OF OCCUPANCY OR PROJECT APPROVAL
18. HANDICAP RAMPS SHALL BE INSTALLED PER LATEST EDITION OF THE NC BUILDING CODE AND ANSI 117.11 WITH DETECTABLE WARNING DOMES WITH A COLOR CONTRAST OF 70% MINIMUM. SEE DETAILS AND GRADING SPOT ELEVATIONS, IF THE EXISTING CONDITIONS PRECLUDE THE ABILITY TO PROVIDE A MAXIMUM SLOPE 1/12 FOR 6-FEET OR A MAXIMUM CROSS SLOPE OF 1:48 AND A 36" MINIMUM LANDING, THE CONTRACTOR SHALL NOTIFY ENGINEER OR OWNER REPRESENTATIVE PRIOR TO INSTALLATION.
19. THE TESTING AGENCY SHALL BE RESPONSIBLE FOR PROVIDING THE ASPHALT AND CONTRACTOR CERTIFICATION MEMO TO NCDOT FOR ALL ROADWAY IMPROVEMENTS WITHIN THE PUBLIC RIGHT-OF-WAY.

GRADING AND STORM DRAINAGE NOTES:

1. REFER TO SHEET C3.00 FOR GENERAL NOTES.
2. CONTRACTOR SHALL REPORT ANY GRADE DISCREPANCIES TO THE OWNER'S REPRESENTATIVE PRIOR TO BEGINNING CONSTRUCTION OPERATIONS.
3. THE MAXIMUM SLOPE ALONG ANY HANDICAP ACCESSIBLE PATHWAY SHALL NOT EXCEED 5.0% AND SHALL NOT EXCEED A 2.0% CROSS SLOPE. HANDICAP RAMPS INDICATED ON PLANS SHALL BE A MAXIMUM OF 1/12 SLOPES WITH A MAXIMUM RISE OF 30" BETWEEN LANDINGS. NON-CURB CUT RAMPS SHALL HAVE HANDRAILS AND GUARDS PER DETAILS WITH 5' LANDINGS AT THE BOTTOM AND TOP OF RAMP.
4. ALL PROPOSED ELEVATIONS SHOWN ARE EDGE OF PAVEMENT ELEVATIONS UNLESS OTHERWISE SPECIFIED.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL NEWLY CONSTRUCTED STORM DRAINAGE IMPROVEMENTS AND RECEIVING STORM DRAINAGE SYSTEMS REMAIN CLEAN OF SEDIMENT AND DEBRIS. PRIOR TO OWNER ACCEPTANCE OF SYSTEM, THE CONTRACTOR SHALL COORDINATE AND PROVIDE A VISUAL OBSERVATION VIDEO OF ALL STORM DRAINAGE IMPROVEMENTS 12" AND LARGER. THE VISUAL OBSERVATION SHALL BE PERFORMED IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL PROVIDE TWO (2) DVD COPIES OF THE ENTIRE DRAINAGE VISUAL OBSERVATION.
6. PRIOR TO ISSUANCE OF A BUILDING CERTIFICATE OF OCCUPANCY THE CONTRACTOR SHALL PROVIDE THE OWNER WITH THE VIDEO INSPECTION OF THE STORM SEWER SYSTEM. (BOTH PUBLIC AND PRIVATE). THIS SUBMITTAL MAY NEED TO BE REVIEWED AND ACCEPTED BY THE LOCAL JURISDICTION PRIOR TO THE ISSUANCE OF THE BUILDING CO.
7. REFER TO THE EROSION CONTROL DETAILS SHEET FOR THE SEQUENCE OF CONSTRUCTION
8. INTERIM GRADING SHALL BE PROVIDED THAT ENSURES THE PROTECTION OF STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, AND OTHER FACILITIES FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, AND WASHOUT.
9. INTERIM GRADING SHALL BE PROVIDED TO DIRECT WATER AWAY FROM BUILDINGS AND PREVENT PONDING.
10. TIE ROOF LEADERS WHERE POSSIBLE TO UNDERGROUND STORM SYSTEM. CONTRACTOR TO FIELD VERIFY LOCATE AND INSTALL WHERE POSSIBLE OR AS SHOWN ON PLANS. WHERE ROOF LEADERS DAYLIGHT AT GRADE A SPLASH BLOCK APPROVED BY THE OWNER'S REPRESENTATIVE SHALL BE INSTALLED.
11. MAXIMUM SLOPE ACROSS ANY HANDICAPPED PARKING SPACE AND AISLE SHALL NOT EXCEED 2% IN ANY DIRECTION.
12. PROPOSED CONTOURS ARE APPROXIMATE. SPOT ELEVATIONS AND ROADWAY PROFILES SHALL BE USED IN CASE OF DISCREPANCY.
13. PLACE BACKFILL AND FILL MATERIALS IN LAYER NOT MORE THAN 8 INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HEAVY COMPACTION EQUIPMENT, AND NOT MORE THAN 4 INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HAND-OPERATED TAMPERS. PLACE BACKFILL AND FILL MATERIALS EVENLY ON ALL SIDES TO REQUIRED ELEVATIONS, AND UNIFORMLY ALONG THE FULL LENGTH OF EACH STRUCTURE. COMPACT SOIL TO NOT LESS THAN 95 PERCENT OF MAXIMUM DRY UNIT WEIGHT ACCORDING TO ASTM D 698 FOR EACH LAYER OF BACKFILL OR FILL MATERIAL UP TO TWO FEET OF FINISHED GRADE. COMPACT SOIL TO NOT LESS THAN 98 PERCENT OF MAXIMUM DRY UNIT WEIGHT ACCORDING TO ASTM D 698 FOR EACH LAYER OF BACKFILL OR FILL MATERIAL FOR THE FINAL TWO FEET.
14. SITE GRADING IMMEDIATELY ADJACENT TO FOUNDATION OF BUILDING SHALL SLOPE NOT LESS THAN 1/20 AWAY FOR MINIMUM DISTANCE OF 10 FEET. ALTERNATIVE METHOD SHALL BE PROVIDED TO DIVERT WATER AWAY FROM FOUNDATION VIA SWALES SLOPED AT A MINIMUM OF 2% OR IMPERVIOUS SURFACES SLOPED AWAY A MINIMUM OF 2% AWAY FROM BUILDING.
15. CONTRACTOR SHALL ADJUST RIM ELEVATIONS OF EXISTING MANHOLES, METERS, VALVES, ETC. AS REQUIRED TO MEET NEW FINISHED GRADES.
16. CONTRACTOR SHALL SLOPE GRADES TO ASSURE POSITIVE STORMWATER FLOW TO KEEP WATER FROM POOLING ALONG CURBS AND WALLS.
17. TOP OF WALL ELEVATIONS INDICATE THE ELEVATION AT THE TOP OF THE CAP, UNLESS OTHERWISE NOTED.
18. BOTTOM OF WALL ELEVATIONS INDICATE THE ELEVATION OF THE FINISHED GRADE.

UTILITY NOTES:

1. REFER TO SHEET C3.00 FOR GENERAL NOTES.
2. UNLESS OTHERWISE NOTED, ALL MANHOLES SHALL BE PRE-CAST CONCRETE STRUCTURES.
3. THE CONTRACTOR SHALL COORDINATE THE CONSTRUCTION OF UNDERGROUND UTILITIES (WATER, SEWER, STORM, ELECTRICAL, GAS, OR OTHER) FOR THIS PROJECT WITH THE BUILDING PLANS. THE UTILITY CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE INSTALLATION OF ALL UTILITY SERVICES TO WITHIN FIVE (5) FEET OF THE BUILDING CONNECTION POINT.
4. THE CONTRACTOR SHALL COORDINATE WITH OTHER CONTRACTORS ON SITE AND UTILITY PROVIDERS DURING CONSTRUCTION TO ENSURE SMOOTH TRANSITION BETWEEN DISCIPLINES.
5. THE CONTRACTOR SHALL COORDINATE ALL PEDESTRIAN AND VEHICULAR INTERRUPTIONS WITH OWNER'S REPRESENTATIVE AT LEAST 72 HOURS PRIOR TO BEGINNING WORK.
6. THE CONTRACTOR SHALL NOT PROCEED WITH ANY WORK INSIDE THE PUBLIC RIGHT OF WAY PRIOR TO RECEIPT AND COMPLIANCE WITH ALL APPLICABLE NCDOT PERMITS. ADDITIONALLY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY FLAGGERS AND TRAFFIC CONTROL DURING ALL WORK INSIDE THE PUBLIC RIGHTS OF WAY.
7. THE CONTRACTOR SHALL NOT RE-USE ANY FIRE HYDRANT REMOVED AS PART OF THIS PROJECT. ANY FIRE HYDRANT SHOWN TO BE REMOVED OR RELOCATED SHALL BE REPLACED WITH A NEW FIRE HYDRANT MEETING THE LOCAL JURISDICTIONAL REQUIREMENTS AND STANDARDS.
8. ALL EXISTING SUB-SURFACE UTILITIES IDENTIFIED ON THE CONSTRUCTION DOCUMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATION BASED ON SURVEY INFORMATION GATHERED FROM FIELD INSPECTION AND/OR ANY OTHER APPLICABLE RECORD DRAWINGS WHICH MAY BE AVAILABLE. DEPTHS OF EXISTING UTILITIES SHOWN IN PROFILE VIEWS ARE BASED ON STANDARD ASSUMPTIONS. THE CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATION, DEPTH, SIZE AND MATERIAL OF ANY AND ALL SUB-SURFACE CONDITIONS REFERENCED IN THESE PLANS PRIOR TO ANY EXCAVATION OR CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES OR CONFLICTS.
9. ELEVATIONS OF UTILITIES ARE GIVEN TO THE EXTENT OF INFORMATION AVAILABLE. WHERE ELEVATIONS ARE NOT GIVEN AT POINTS OF EXISTING UTILITY CROSSINGS, SUCH ELEVATIONS SHALL BE DETERMINED BY THE CONTRACTOR AND REPORTED TO THE ENGINEER. WHEN UNKNOWN LINES ARE EXPOSED, THEIR LOCATIONS AND ELEVATIONS SHALL ALSO BE REPORTED TO THE ENGINEER.
10. UNDERGROUND UTILITIES SHOWN ON THIS PLAN SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION OF PARKING AREA, DRIVES, CURB AND GUTTER OR CONCRETE WALKS / PADS. IF UTILITIES SHOWN ON THIS PLAN CANNOT BE INSTALLED PRIOR TO INSTALLATION OF IMPERVIOUS (ASPHALT / CONCRETE) CONDUIT SHALL BE INSTALLED FOR THE "FUTURE" UTILITY INSTALLATION.
11. AS-BUILT DOCUMENTATION REQUIREMENTS: PRIOR TO APPROVAL FROM LOCAL JURISDICTION OR ENGINEER THE CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS (IN BOTH PAPER AND ELECTRONIC FORMAT (CAD / PDF) PREPARED AND SEALED BY A PROFESSIONAL LAND SURVEYOR SHOWING ALL UTILITY INSTALLATION. HORIZONTAL AND VERTICAL INFORMATION SHALL BE PROVIDED FOR WATER, SEWER, STORM INCLUDING ALL STRUCTURES, VALVES, HYDRANTS, AND OTHER APPURTENANCES.

PROPOSED UTILITY SEPARATION:

1. WATER MAINS SHALL BE LAID AT LEAST 10 FEET HORIZONTALLY FROM EXISTING OR PROPOSED SEWERS, UNLESS LOCAL CONDITIONS OR BARRIERS PREVENT A 10-FOOT HORIZONTAL SEPARATION IN WHICH CASE:
   a. THE WATER MAIN IS LAID IN A SEPARATE TRENCH, WITH THE ELEVATION OF THE BOTTOM OF THE WATER MAIN AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER; OR
   b. THE WATER MAIN IS LAID IN THE SAME TRENCH AS THE SEWER WITH THE WATER MAIN LOCATED AT ONE SIDE OF A BENCH OF UNDISTURBED EARTH, AND WITH THE ELEVATION OF THE BOTTOM OF THE WATER MAIN AT LEAST 18 INCHES ABOVE THE TOP TO THE SEWER.
2. CROSSING A WATER MAIN OVER A SEWER. WHENEVER IT IS NECESSARY FOR A WATER MAIN TO CROSS OVER A SEWER, THE WATER MAIN SHALL BE LAID AT SUCH AN ELEVATION THAT THE BOTTOM OF THE WATER MAIN IS AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER, UNLESS LOCAL CONDITIONS OR BARRIERS PREVENT AN 18 INCH VERTICAL SEPARATION, IN WHICH CASE BOTH THE WATER MAIN AND SEWER SHALL BE CONSTRUCTED OF FERROUS MATERIALS AND WITH JOINTS THAT ARE EQUIVALENT TO WATER MAIN STANDARDS FOR A DISTANCE OF 10 FEET ON EACH SIDE OF THE POINT OF CROSSING.
3. CROSSING A WATER MAIN UNDER A SEWER. WHENEVER IT IS NECESSARY FOR A WATER MAIN TO CROSS UNDER A SEWER, BOTH THE WATER MAIN AND THE SEWER SHALL BE CONSTRUCTED OF FERROUS MATERIALS AND WITH JOINTS EQUIVALENT TO WATER MAIN STANDARDS FOR A DISTANCE OF 10 FEET ON EACH SIDE OF THE POINT OF CROSSING. A SECTION OF WATER MAIN PIPE SHALL BE CENTERED AT THE POINT OF CROSSING.
4. SEPARATION OF SANITARY SEWERS AND STORM SEWERS:
   a. A 24" VERTICAL SEPARATION SHALL BE PROVIDED BETWEEN STORM SEWER AND SANITARY SEWER LINES OR BOTH THE SANITARY AND THE STORM LINES SHALL BE CONSTRUCTED OF FERROUS MATERIALS.

SEWER NOTES:

1. SANITARY SEWER CLEANOUTS LOCATED IN PAVEMENT AREAS SHALL BE HEAVY DUTY TRAFFIC BEARING CASTINGS.
2. UNLESS OTHERWISE NOTED, ALL SANITARY SEWER MANHOLES ARE 4' DIA.
3. MANHOLES LOCATED IN PAVEMENT, CONCRETE OR OTHER TRAFFIC AREAS SHALL BE SET AT GRADE. MANHOLES LOCATED IN OTHER AREAS (I.E. GRASS OR WOODED AREAS) SHALL HAVE THEIR RIMS RAISED SIX INCHES ABOVE THE SURROUNDING GRADE. MANHOLES SUBJECT TO POSSIBLE WATER INFILTRATION SHALL HAVE WATERTIGHT, BOLTED LIDS.
4. MINIMUM REQUIRED SLOPES FOR SEWER SERVICES:
   4" SEWER SERVICE - 2.00% SLOPE
   6" SEWER SERVICE - 1.00% SLOPE
   8" SEWER SERVICE - 0.50% SLOPE
5. UNLESS OTHERWISE NOTED, LOCATE SANITARY SERVICE CLEANOUTS AT ALL HORIZONTAL OR VERTICAL CHANGES IN DIRECTION. MAXIMUM SPACING BETWEEN CLEANOUTS SHALL BE 75 FEET.
6. SEWER LINES LESS THAN 3 FEET OF COVER SHALL BE CLASS 50 DUCTILE IRON PIPE. SEWER LINES WITH GREATER THAN 3 FEET OF COVER SHALL BE AS NOTED BELOW:
   4" SEWER SERVICE - SCH 80
   6" SEWER SERVICE - SCH 80
   8" SEWER SERVICE - SDR-35
7. SEWER LINES UNDER CONSTRUCTION SHALL BE PROTECTED FROM DIRT, DEBRIS OR OTHER CONTAMINANTS ENTERING THE NEW SYSTEM. A MECHANICAL PLUG SHALL BE UTILIZED BOTH IMMEDIATELY UPSTREAM OF THE NEW CONSTRUCTION AND AT THE FIRST MANHOLE DOWNSTREAM IN THE EXISTING SYSTEM. EXISTING STRUCTURES, PIPING AND APPURTENANCES SHALL BE PROTECTED FROM ANY INFLOW OF WATER, DIRT OR DEBRIS DUE TO NEW CONSTRUCTION CONNECTING TO OR IN THE VICINITY OF THE EXISTING SYSTEM. CONTRACTOR TO REMOVE DEBRIS AND PLUG PRIOR TO OCCUPANCY.
8. ALL MANHOLES COVERS SHALL BE PAINTED TO LOCAL JURISDICTIONAL REQUIREMENTS.

WATER NOTES:

1. AS INDICATED, ALL WATERLINES SHALL BE DUCTILE IRON PIPE MEETING THE REQUIREMENTS OF ANSI-AWWA C151 PRESSURE CLASS 350 OR SOFT COPPER TYPE K PIPE PER ASTM B88. IF PVC WATERLINE IS INDICATED ON THE PLANS IT SHALL MEET THE REQUIREMENTS OF AWWA C-900, CLASS 200.
2. ALL WATERLINES SHALL HAVE A MINIMUM OF 3.5 FEET OF COVER.
3. TESTING NOTES:
   PRESSURE:
   LEAKAGE SHALL NOT EXCEED THE MAXIMUM ALLOWABLE LEAKAGE SPECIFIED IN AWWA C 600.
   MINIMUM TEST PRESSURE SHALL BE 150 PSI FOR DOMESTIC AND 200 PSI FOR FIRE PROTECTION.
   BACTERIOLOGICAL:
   TWO SAMPLES FOR BACTERIOLOGICAL SAMPLING SHALL BE COLLECTED AT LEAST 24 HOURS APART. IF CONTAMINATION IS INDICATED, THEN THE DISINFECTION PROCEDURE AND TESTING SHALL BE REPEATED UNTIL SATISFACTORY RESULTS ARE OBTAINED.
4. THE CHLORINE IN HEAVILY CHLORINATED WATER FLUSHED FROM MAINS NEEDS TO BE NEUTRALIZED BEFORE DISCHARGE. CONTRACTORS SHALL NEUTRALIZE HEAVILY CHLORINATED WATER FLUSHED FROM MAINS PRIOR TO DISCHARGE OR TRANSPORT ALL HEAVILY CHLORINATED WATER OFFSITE FOR PROPER DISPOSAL.
5. PAINT VALVE COVERS, FIRE HYDRANTS AND OTHER WATER APPARATUS TO MEET THE LOCAL JURISDICTIONAL REQUIREMENTS.

MATERIALS AND FURNISHINGS NOTES:

1. ABBREVIATIONS FOR SPECIFIC HARDSCAPE MATERIALS AND FURNISHINGS ARE LISTED IN THE LEGEND AND ARE USED THROUGHOUT THE DRAWING SET'S HARDSCAPE & FURNISHINGS PLANS, PAVING PATTERN PLANS AND SITE DETAILS.
2. REFER TO RELATED SPECIFICATION SECTION FOR SPECIFIC SUBMITTALS OF PRODUCT DATA, SAMPLES, SHOP DRAWINGS, QUALITY ASSURANCE REQUIREMENTS, EXECUTION REQUIREMENTS, AND FOR FURTHER PRODUCT INFORMATION NOT INCLUDED IN THIS SCHEDULE
3. CONTRACTOR TO SUBMIT COLOR SAMPLES AND PROVIDE MOCK-UPS FOR ALL CAST IN PLACE CONCRETE FOR APPROVAL BY LANDSCAPE ARCHITECT.

PAVING PATTERN NOTES:

1. END ALL UNIT PAVING PATTERNS WITH A FULL OR HALF SIZE PAVER UNLESS OTHERWISE NOTED. USE OVERSIZE PAVERS WHERE PATTERN ENDS ON A UNIT SMALLER THAN HALF SIZE.
2. LAYOUT OF UNIT PAVING PATTERNS AND CONCRETE JOINTS AS INDICATED ON THIS PLAN. REFERENCE LAYOUT PLANS FOR FURTHER PAVING LAYOUT INFORMATION.
3. PAVERS ABUTTING TRUNCATED DOMES SHALL BE A CONTRASTING COLOR.
4. ALIGN ALL TRUNCATED DOME PAVER JOINTS WITH ABUTTING PAVER JOINTS.
5. PROVIDE CONTINUOUS EXPANSION JOINTS BETWEEN BACK OF CURB AND ADJOINING PAVEMENT.
6. PROVIDE CONTINUOUS EXPANSION JOINT BETWEEN ALL VERTICAL SURFACES AND ADJOINING PAVEMENT.
7. ALL DIMENSIONS MEASURED TO CENTERLINE OF JOINTS.
8. ALL WRITTEN DIMENSIONS SHALL PREVAIL. DO NOT SCALE FROM DRAWINGS.
9. ALL ANGLES 90 DEGREES UNLESS OTHERWISE NOTED.
10. ALIGN ALL JOINTS, CORNERS AND EDGES AS SHOWN.
11. FINAL LAYOUTS TO BE APPROVED BY LANDSCAPE ARCHITECT.

SIGNAGE, STRIPING AND MARKING NOTES:

1. ALL INTERNAL SIGNAGE SHALL BE COORDINATED WITH OWNER FOR ACTUAL LOCATION AT TIME OF INSTALLATION. SIGNAGE LEADING ONTO PUBLIC THOROUGHFARE SHALL BE INSTALLED AT RIGHT OF WAY PER DOT STANDARDS
2. ALL PAVEMENT STRIPING (EXCEPT INDIVIDUAL PARKING BAY STRIPING) SHALL BE THERMOPLASTIC REFLECTIVE PAINT. MATERIALS AND DIMENSIONS SHALL CONFORM TO NCDOT STANDARDS AND SPECIFICATIONS. PARKING BAY STRIPING SHALL BE WHITE REFLECTIVE PAINT.
3. CROSSWALKS SHALL BE CONSTRUCTED OF THERMOPLASTIC MATERIALS AND CONSTRUCTED IN ACCORDANCE WITH STATE DOT SPECIFICATIONS. CONTRACTOR TO INSTALL CROSSWALKS IN SUCH A MANNER THAT CROSSWALKS ARE ALIGNED BETWEEN HANDICAP/WALKWAY ACCESS POINTS OR PERPENDICULAR TO THE ROADWAY / DRIVE LANE.
4. ADA SYMBOLS SHOWN THESE DRAWINGS ARE FOR LOCATION PURPOSES ONLY AND NOT INTENDED TO BE PAINTED. CONTRACTOR RESPONSIBLE FOR INSTALLING ALL REQUIRED ADA SIGNAGE

LANDSCAPE NOTES:

1. VERIFY ALL QUANTITIES AND REPORT ANY DISCREPANCIES OR INACCURACIES IN THE PLANS TO THE OWNER'S REPRESENTATIVE PRIOR TO PLANTING.
2. LANDSCAPE WORK SHALL INCLUDE THE FURNISHING, INSTALLATION, AND WARRANTY OF ALL PLANTING MATERIALS WITHIN THE PROJECT AREA.
3. THE LANDSCAPE CONTRACTOR SHALL ASCERTAIN THE LOCATION OF ALL EXISTING AND NEW UNDERGROUND UTILITIES PRIOR TO EXCAVATION FOR PLANTING. DAMAGES TO UTILITIES CAUSED BY THE LANDSCAPE OPERATION SHALL BE CORRECTED BY THE LANDSCAPE CONTRACTOR AT NO COST TO THE OWNER.
4. LANDSCAPING SHALL REMAIN CLEAR FROM ANY FIRE HYDRANTS ON THE SITE.
5. ALL TREES TO BE A MINIMUM OF 2" IN CALIPER AND MUST MEET THE AMERICAN STANDARD FOR NURSERY STOCK.
6. TREE PROTECTION NOTE: TREE PROTECTION FENCING MUST BE IN PLACE PRIOR TO ANY DEMOLITION, LAND DISTURBANCE OR ISSUANCE OF A GRADING PERMIT AND SHALL INCLUDE WARNING SIGNS POSTED IN BOTH ENGLISH AND SPANISH, AS FOLLOWS: "NO TRESPASSING/TREE PROTECTION AREA/PROHIBIDO ENTRAR / ZONA PROTECTORA PARA LOS RBOLES."
7. PROTECTION OF EXISTING VEGETATION: AT THE START OF GRADING INVOLVING THE LOWERING OF EXISTING GRADE AROUND A TREE OR STRIPPING OF TOPSOIL, A CLEAN, SHARP, VERTICAL CUT SHALL BE MADE AT THE EDGE OF THE TREE SAVE AREA AT THE SAME TIME AS OTHER EROSION CONTROL MEASURES ARE INSTALLED. THE TREE PROTECTION FENCING SHALL BE INSTALLED ON THE SIDE OF THE CUT FARTHEST AWAY FROM THE TREE TRUNK AND SHALL REMAIN IN PLACE UNTIL ALL CONSTRUCTION IN THE VICINITY OF THE TREES IS COMPLETE. NO STORAGE OF MATERIALS, FILL, OR EQUIPMENT AND NO TRESPASSING SHALL BE ALLOWED WITHIN THE BOUNDARY OF THE PROTECTED AREA.
8. ROOT ZONE PROTECTION AREA: VARIES BASED ON LOCAL JURISDICTION HAVING AUTHORITY. CONTRACTOR SHALL COMPLY WITH LOCAL JURISDICTIONAL REQUIREMENTS. NO DISTURBANCE ALLOWED WITHIN THIS AREA. AREA MUST BE PROTECTED WITH BOTH TREE PROTECTION FENCING AND WARNING SIGNS.
9. SEED BED PREPARATION: ALL AREAS TO BE SEEDED ARE TO BE RECEIVE A MINIMUM OF 2" OF APPROVED TOPSOIL. ALL DEBRIS, ROCKS, ETC. LARGER THAN .5" ARE TO BE REMOVED. ALL LARGE CONCENTRATIONS OF GRAVEL & DEBRIS REGARDLESS OF SIZE ARE TO BE REMOVED PRIOR TO SEEDING OR PLANTING.
10. ALL PLANT BED AREAS ARE TO RECEIVE A MINIMUM OF 6" OF APPROVED TOPSOIL.
11. SOIL SHOULD BE TESTED AND AMENDED WITH LIME AND FERTILIZER FOR HARDWOOD TREES ACCORDING TO NCDA PROCEDURES. SCARIFY PLANT PIT WALLS. CONSULT LANDSCAPE ARCHITECT FOR ALTERNATE COMPLIANCE.
12. SHREDDED HARDWOOD MULCH 3" DEEP EXCEPT AT CROWN OF PLANT UNLESS OTHERWISE NOTED. FLARE AT CROWN SHOULD BE REVEALED. BACKFILL CONSISTS OF THOROUGHLY BROKEN UP NATIVE SOIL. TOTAL VOLUME OF BACKFILL SHOULD BE AMENDED WITH UP TO ONE THIRD PINE BARK MULCH. PIECES SHOULD BE NO LARGER THAN WHAT PASSES THROUGH A ONE INCH SCREEN. IF ADDITIONAL SOIL IS REQUIRED FOR BACKFILL DUE TO DETRIMENTAL SUBSOIL DRAINAGE CONDITIONS, USE SOIL SIMILAR TO EXISTING NATIVE SOIL. ADDITIONAL SOIL TO BE APPROVED BY LANDSCAPE ARCHITECT. MAXIMUM SAUCER HEIGHT IS 6 INCHES.
13. TOP OF ROOTBALL TO BE RAISED 2-3 INCHES ABOVE EXISTING GRADE.
14. FOR B&B PLANTS, NATURAL FIBER BURLAP SHOULD BE TURNED DOWN BY 1/3 TOTAL HEIGHT OF ROOT BALL. PLASTIC FIBER BURLAP AND WIRE BASKETS SHOULD BE REMOVED TO 2/3'S OF TOTAL HEIGHT OF ROOT BALL.
15. CONTRACTOR IS RESPONSIBLE FOR KEEPING THE TREE UPRIGHT AND PLUMB THROUGHOUT THE WARRANTY PERIOD. IF STABILIZATION IS NECESSARY SEE STAKING IN TREE DETAIL, ORANGE FLAGGING TAPE SHOULD BE ATTACHED TO SUPPORT WIRE. STAKING SHOULD BE REMOVED BY CONTRACTOR AT END OF ONE YEAR WARRANTY PERIOD OR AS DIRECTED BY GROUNDS MANAGEMENT.
16. USE STANDARD "GATOR" BAGS FOR WATERING TREES IN AREAS NOT UNDER IRRIGATION. INCORPORATE TERRA-SORB (OR EQUAL) AS PER MANUFACTURERS RECOMMENDATIONS, FOR AREAS NOT UNDER IRRIGATION.
17. USE "BIO-BARRIER" OR EQUIVALENT ACCORDING TO MANUFACTURER'S RECOMMENDATION FOR TREES THAT WILL BE PLANTED WITHIN 10' OF PAVEMENT
18. LANDSCAPING/C.O. STANDARDS NOTE: ALL LANDSCAPING MUST BE IN PLACE PRIOR TO REQUEST FOR A CERTIFICATE OF COMPLIANCE.

SWIFT PARTNE

414 FAYETTEVILLE ST
RALEIGH NC 27601
FIRM LICENSE: P-2187

[redacted]

ISSUED FOR REVIEW
NOT FOR CONSTRUCTION

No.	Date	Description

VICINITY

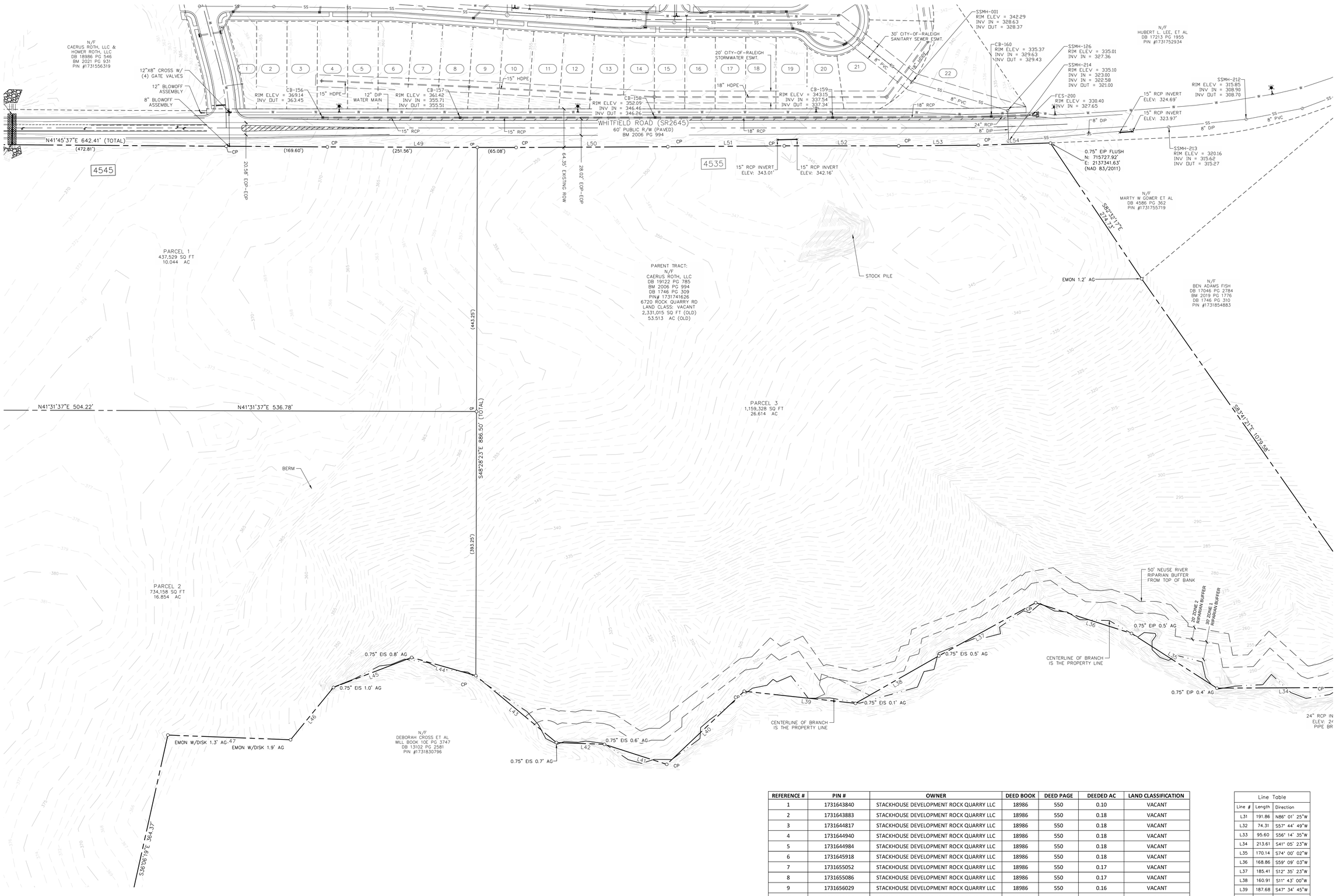
SCALE

ARROW

DATE: 04.28.2023
CHECKED BY: LAP
DRAWN BY: LP
PROJECT: ROCK QUARRY ROAD SOUTH
PROJECT #: C202307

SHEET TITLE
GENERAL NOTES

SHEET NO.
C0.01



NOTES:

1. SEE SHEET C0.10 FOR GENERAL AND EXISTING CONDITIONS NOTES.
2. CONTRACTOR TO FIELD VERIFY ALL UTILITY LOCATION AND SIZE.

REFERENCE #	PIN #	OWNER	DEED BOOK	DEED PAGE	DEEDED AC	LAND CLASSIFICATION
1	1731643840	STACKHOUSE DEVELOPMENT ROCK QUARRY LLC	18986	550	0.10	VACANT
2	1731643883	STACKHOUSE DEVELOPMENT ROCK QUARRY LLC	18986	550	0.18	VACANT
3	1731644817	STACKHOUSE DEVELOPMENT ROCK QUARRY LLC	18986	550	0.18	VACANT
4	1731644940	STACKHOUSE DEVELOPMENT ROCK QUARRY LLC	18986	550	0.18	VACANT
5	1731644984	STACKHOUSE DEVELOPMENT ROCK QUARRY LLC	18986	550	0.18	VACANT
6	1731645918	STACKHOUSE DEVELOPMENT ROCK QUARRY LLC	18986	550	0.18	VACANT
7	1731655052	STACKHOUSE DEVELOPMENT ROCK QUARRY LLC	18986	550	0.17	VACANT
8	1731655086	STACKHOUSE DEVELOPMENT ROCK QUARRY LLC	18986	550	0.17	VACANT
9	1731656029	STACKHOUSE DEVELOPMENT ROCK QUARRY LLC	18986	550	0.16	VACANT
10	1731656153	STACKHOUSE DEVELOPMENT ROCK QUARRY LLC	18986	550	0.16	VACANT
11	1731656197	STACKHOUSE DEVELOPMENT ROCK QUARRY LLC	18986	550	0.16	VACANT
12	1731657220	STACKHOUSE DEVELOPMENT ROCK QUARRY LLC	18986	550	0.15	VACANT
13	TBD	STACKHOUSE DEVELOPMENT ROCK QUARRY LLC	TBD	TBD	0.15	VACANT
14	TBD	STACKHOUSE DEVELOPMENT ROCK QUARRY LLC	TBD	TBD	0.14	VACANT
15	TBD	STACKHOUSE DEVELOPMENT ROCK QUARRY LLC	TBD	TBD	0.14	VACANT
16	TBD	STACKHOUSE DEVELOPMENT ROCK QUARRY LLC	TBD	TBD	0.14	VACANT
17	TBD	STACKHOUSE DEVELOPMENT ROCK QUARRY LLC	TBD	TBD	0.14	VACANT
18	TBD	STACKHOUSE DEVELOPMENT ROCK QUARRY LLC	TBD	TBD	0.14	VACANT
19	TBD	STACKHOUSE DEVELOPMENT ROCK QUARRY LLC	TBD	TBD	0.14	VACANT
20	TBD	STACKHOUSE DEVELOPMENT ROCK QUARRY LLC	TBD	TBD	0.12	VACANT
21	TBD	STACKHOUSE DEVELOPMENT ROCK QUARRY LLC	TBD	TBD	0.21	VACANT
22	TBD	STACKHOUSE DEVELOPMENT ROCK QUARRY LLC	TBD	TBD	1.48	VACANT

Line Table		
Line #	Length	Direction
L31	191.86	N86° 01' 25"W
L32	74.31	S57° 44' 49"W
L33	95.60	S56° 14' 35"W
L34	213.61	S41° 05' 23"W
L35	170.14	S74° 00' 02"W
L36	168.86	S59° 09' 03"W
L37	185.41	S12° 35' 23"W
L38	160.91	S11° 43' 00"W
L39	187.68	S47° 34' 45"W
L40	178.73	S01° 59' 37"E
L41	109.80	S59° 11' 07"W
L42	80.65	S43° 30' 47"W
L43	175.71	S81° 04' 03"W
L44	111.82	S57° 12' 37"W
L45	140.51	S20° 24' 14"W
L46	113.53	S09° 20' 07"E
L47	206.07	S43° 33' 20"W
L48	59.38	N03° 07' 22"E
L49	316.64	N41° 31' 37"E
L50	254.55	N41° 04' 55"E
L51	195.20	N40° 57' 04"E
L52	192.05	N41° 21' 28"E
L53	133.49	N40° 55' 16"E
L54	120.95	N39° 32' 14"E

SWIFT PARTNE

414 FAYETTEVILLE ST
RALEIGH NC 27601
FIRM LICENSE: P-2187

ISSUED FOR REVIEW
NOT FOR CONSTRUCTION

No.	Date	Description

VICINITY

SCALE

0 30 60 120

SCALE: 1" = 60'

ARROW

DATE: 04.28.2023
CHECKED BY: LAP
DRAWN BY: LAP
PROJECT: ROCK QUARRY ROAD SOUTH
PROJECT #: C202307

SHEET TITLE:
EXISTING CONDITIONS PLAN

SHEET NO.
C1.00

Line Table		
ne #	Length	Direction
26	19.71	S43° 28' 25"W
27	66.00	N46° 31' 35"W
28	19.71	N43° 28' 25"E
29	108.78	N42° 08' 06"W
30	166.96	N28° 49' 37"W
31	12.50	N48° 26' 21"W
32	6.15	S84° 31' 28"W
33	147.84	N48° 26' 21"W

Curve Table				
Curve #	Length	Radius	Chord Direction	Chord Length
C1	100.15	84.00	S72° 51' 05"W	94.33
C2	8.87	8.00	S75° 14' 28"W	8.42
C3	8.87	8.00	N11° 42' 22"E	8.42
C4	60.79	84.00	N0° 40' 09"E	59.47
C5	8.87	8.00	N10° 22' 04"W	8.42
C6	43.19	333.00	N38° 25' 12"W	43.16
C7	34.16	333.00	N31° 45' 57"W	34.15
C8	91.39	267.00	N38° 37' 59"W	90.95

PROPERTY OWNER
CAERUS ROTH, LLC
2310 S. MIAMI BOULEVARD STE 238
DURHAM, NC 27703-4900
919-308-2123

OWNER CERTIFICATION

THIS CERTIFIES AND WARRANTS THAT THE UNDERSIGNED (S)ARE) THE SOLE OWNER(S) OF THE PROPERTY SHOWN ON THE MAP OR PLAT AND ANY ACCOMPANYING SHEETS HAVING ACQUIRED THE PROPERTY IN FEE SIMPLE BY DEED(S) RECORDED IN THE COUNTY REGISTER OF DEEDS OFFICE WHERE THE PROPERTY IS LOCATED AND AS SUCH HAS (HAVE)THE RIGHT TO CONVEY THE PROPERTY IN FEE SIMPLE.

BOOK NO./PAGE NO. AS SHOWN ON THE FACE OF THE MAP

SIGNATURE(S) & TITLE/POSITION OF PROPERTY OWNER(S):

OWNER: CAERUS ROTH, LLC

DATE:

NOTARY CERTIFICATION

STATE OF:

COUNTY OF:

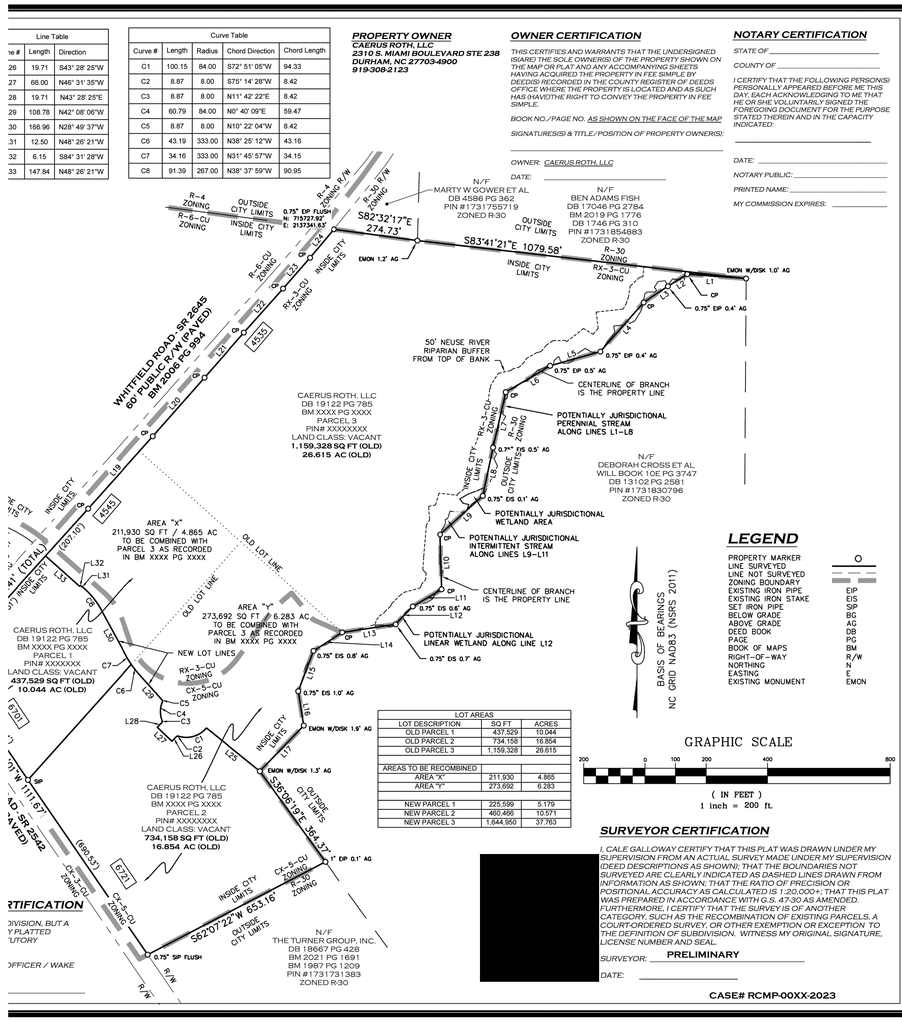
I CERTIFY THAT THE FOLLOWING PERSON(S) PERSONALLY APPEARED BEFORE ME THIS DAY, EACH ACKNOWLEDGING TO ME THAT HE OR SHE VOLUNTARILY SIGNED THE FOREGOING DOCUMENT FOR THE PURPOSE STATED THEREIN AND IN THE CAPACITY INDICATED:

DATE:

NOTARY PUBLIC:

PRINTED NAME:

MY COMMISSION EXPIRES:



LOT AREAS		
LOT DESCRIPTION	SQ FT	ACRES
OLD PARCEL 1	437,529	10.044
OLD PARCEL 2	734,158	16.854
OLD PARCEL 3	1,159,328	26.615
AREAS TO BE RECOMBINED		
AREA "X"	211,930	4.865
AREA "Y"	273,692	6.283
NEW PARCEL 1	225,599	5.179
NEW PARCEL 2	460,466	10.571
NEW PARCEL 3	1,644,950	37.763

LEGEND

PROPERTY MARKER	O
LINE SURVEYED	
LINE NOT SURVEYED	
ZONING BOUNDARY	
EXISTING IRON PIPE	EIP
EXISTING IRON STAKE	EIS
SET IRON PIPE	SIP
BELOW GRADE	BG
ABOVE GRADE	AG
DEED BOOK	DB
PAGE	PG
BOOK OF MAPS	BM
RIGHT-OF-WAY	R/W
NORTHING	N
EASTING	E
EXISTING MONUMENT	EMON

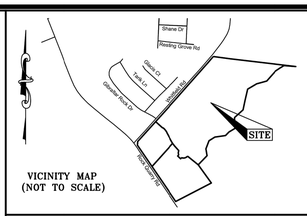
SURVEYOR CERTIFICATION

I, CALE GALLOWAY CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION (DEED DESCRIPTIONS AS SHOWN); THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DASHED LINES DRAWN FROM INFORMATION AS SHOWN; THAT THE RATIO OF PRECISION OR POSITIONAL ACCURACY AS CALCULATED IS 1:20,000+; THAT THIS PLAT WAS PREPARED IN ACCORDANCE WITH G.S. 47-30 AS AMENDED. FURTHERMORE, I CERTIFY THAT THE SURVEY IS OF ANOTHER CATEGORY, SUCH AS THE RECOMBINATION OF EXISTING PARCELS, A COURT-ORDERED SURVEY, OR OTHER EXEMPTION OR EXCEPTION TO THE DEFINITION OF SUBDIVISION. WITNESS MY ORIGINAL SIGNATURE, LICENSE NUMBER AND SEAL.

SURVEYOR: PRELIMINARY

DATE:

CASE# RCMP-00XX-2023



VICINITY MAP
(NOT TO SCALE)

GENERAL NOTES:

1. *BASIS OF BEARINGS: NAD 83 (2011), NORTH CAROLINA STATE PLANE COORDINATES FOR THIS PROJECT WERE ESTABLISHED BY THE VIRTUAL REFERENCING STATION (VRS) IN JANUARY 2021. THE INITIAL STATE PLANE COORDINATES WERE SCALED FROM AN EXISTING PROPERTY MONUMENT HAVING GRID COORDINATES OF N: 715727.92', E: 2137341.63' AND HAVING A COMBINED GRID TO GROUND SCALE FACTOR OF 1.0001054.*
2. *NO GEODETIC MONUMENT WAS FOUND WITHIN 2000' OF THE PROJECT SITE.*
3. *ALL DISTANCES SHOWN HEREON ARE HORIZONTAL GROUND MEASUREMENTS IN US SURVEY FEET, UNLESS OTHERWISE NOTED. AREAS ARE BY COORDINATE COMPUTATION.*
4. *REFERENCES ON THE FACE OF THE MAP WERE ACQUIRED FROM THE WAKE COUNTY REGISTER OF DEEDS.*
5. *THE SUBJECT PARCEL SHOWN HEREON LIES IN FLOOD ZONE X (MINIMAL FLOOD RISK) PER FEMA FIRM PANEL 3720173100K, EFFECTIVE DATE 07/19/2022.*
6. *THIS MAP WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND IS SUBJECT TO ANY MATTERS THAT A FULL TITLE SEARCH DISCLOSES.*
7. *AREAS IDENTIFIED AS NEUSE RIVER RIPARIAN BUFFER SHALL BE MAINTAINED IN PERPETUITY IN THEIR NATURAL OR MITIGATED CONDITION. NO PERSON OR ENTITY SHALL FILL, GRADE, EXCAVATE, OR PERFORM ANY OTHER LAND-DISTURBING ACTIVITIES; NOR CUT, REMOVE, OR HARM ANY VEGETATION; NOR CONSTRUCT ANY STRUCTURES NOR ADD ANY ADDITIONAL IMPERVIOUS SURFACE, NOR ALLOW ANIMAL GRAZING OR WATERING OR ANY OTHER AGRICULTURAL USE ON SUCH PROTECTED AREAS WITHOUT WRITTEN AUTHORIZATION OF THE DIVISION OF WATER RESOURCES (DWR) OR COMPLIANCE WITH THE RIPARIAN BUFFER PROTECTION RULES (15B9A NCAC 2B.0233 OR .0259). THIS COVENANT IS TO RUN WITH THE LAND, AND SHALL BE BINDING ON THE OWNER AND ALL PARTIES CLAIMING UNDER IT.*
8. *RIPARIAN BUFFER DETERMINATION REFERENCED FROM A MAP PROVIDED BY SOIL & ENVIRONMENTAL CONSULTANTS, PA PROJECT NO. 14313.W2, DATED 10/22/2020.*
9. *THE SUBJECT PROPERTY IS ZONED RX-3-CU & CX-5-CU, CITY OF RALEIGH.*
10. *0.75" SET IRON PIPES AT ALL NEW LOT LINES (NOT SHOWN FOR CLARITY).*

REVISION

DATE	DESCRIPTION
--/--/--	--

EXEMPT RECOMBINATION MAP
SITE LOCATION:
WHITFIELD RD & ROCK QUARRY RD
RALEIGH, NORTH CAROLINA
ST. MARY'S TOWNSHIP, WAKE COUNTY
PREPARED FOR:
STACKHOUSE DEVELOPMENT

GALLOWAY | PLLC
GEOSPATIAL
INFORMATICS & SURVEYING
463 Second Street - Ayden - NC - 28513
252-565-2657 - NC FIRM # P-2153

Title Search	N/A	Date	Proj. ID
Surveyed By	GFS	APRIL 28, 2023	20200915
Survey Date(s)	DEC 2021	Scale	Sheet No.
Field Book	GFS02	1" = 200'	1 OF 1

SWIFT PARTNE
414 FAYETTEVILLE ST
RALEIGH NC 27601
FIRM LICENSE: P-2187

ISSUED FOR REVIEW
NOT FOR CONSTRUCTION

No.	Date	Description

VICINITY

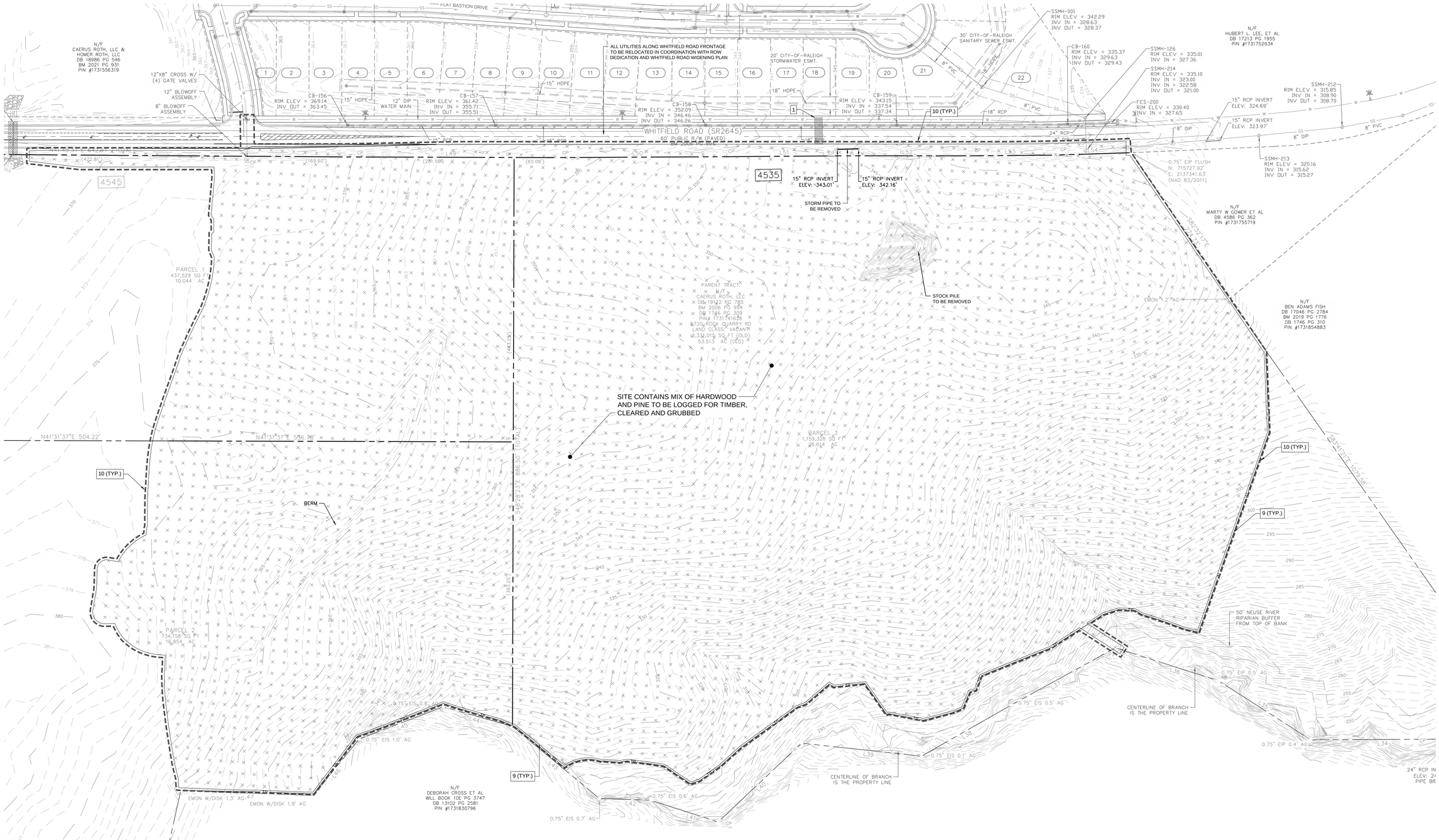
SCALE

ARROW

DATE: 04.28.2023
CHECKED BY: LAP
DRAWN BY: GS
PROJECT: ROCK QUARRY ROAD SOUTH
PROJECT #: C202307

SHEET TITLE
PRELIMINARY RECOMBINATION PLAT

SHEET NO.
C1.01



T C0.10 FOR GENERAL AND
ON NOTES.

FOR TO FIELD VERIFY ALL UTILITY
AND SIZE.

DEMOLITION LEGEND:

KEY NOTE	SYMBOL	DESCRIPTION
1		REMOVE ASPHALT
2		REMOVE GRAVEL
3		REMOVE CONCRETE
4		REMOVE RIPRAP
5		CLEARING AND GRUBBING
6	W	REMOVE WATER LINE
7	SS	REMOVE SANITARY SEWER LINE
8		REMOVE STORM DRAINAGE
9	TP	TREE PROTECTION FENCE
10		LIMITS OF DISTURBANCE
11		COORDINATE LIGHT POLE REMOVAL
12		REMOVE TREE
13		REMOVE TREELINE
14		REMOVE CURB & GUTTER
15		REMOVE SIGN

REFERENCE #	PIN #	OWNER	DEED BOOK	DEED PAGE	DEEDED AC	LAND CLASSIFICATION
1	1731643840	STACKHOUSE DEVELOPMENT ROCK QUARRY LLC	18986	550	0.10	VACANT
2	1731643883	STACKHOUSE DEVELOPMENT ROCK QUARRY LLC	18986	550	0.18	VACANT
3	1731644817	STACKHOUSE DEVELOPMENT ROCK QUARRY LLC	18986	550	0.18	VACANT
4	1731644940	STACKHOUSE DEVELOPMENT ROCK QUARRY LLC	18986	550	0.18	VACANT
5	1731644984	STACKHOUSE DEVELOPMENT ROCK QUARRY LLC	18986	550	0.18	VACANT
6	1731645918	STACKHOUSE DEVELOPMENT ROCK QUARRY LLC	18986	550	0.18	VACANT
7	1731655052	STACKHOUSE DEVELOPMENT ROCK QUARRY LLC	18986	550	0.17	VACANT
8	1731655086	STACKHOUSE DEVELOPMENT ROCK QUARRY LLC	18986	550	0.17	VACANT
9	1731656029	STACKHOUSE DEVELOPMENT ROCK QUARRY LLC	18986	550	0.16	VACANT
10	1731656153	STACKHOUSE DEVELOPMENT ROCK QUARRY LLC	18986	550	0.16	VACANT
11	1731656197	STACKHOUSE DEVELOPMENT ROCK QUARRY LLC	18986	550	0.16	VACANT
12	1731657220	STACKHOUSE DEVELOPMENT ROCK QUARRY LLC	18986	550	0.15	VACANT
13	TBD	STACKHOUSE DEVELOPMENT ROCK QUARRY LLC	TBD	TBD	0.15	VACANT
14	TBD	STACKHOUSE DEVELOPMENT ROCK QUARRY LLC	TBD	TBD	0.14	VACANT
15	TBD	STACKHOUSE DEVELOPMENT ROCK QUARRY LLC	TBD	TBD	0.14	VACANT
16	TBD	STACKHOUSE DEVELOPMENT ROCK QUARRY LLC	TBD	TBD	0.14	VACANT
17	TBD	STACKHOUSE DEVELOPMENT ROCK QUARRY LLC	TBD	TBD	0.14	VACANT
18	TBD	STACKHOUSE DEVELOPMENT ROCK QUARRY LLC	TBD	TBD	0.14	VACANT
19	TBD	STACKHOUSE DEVELOPMENT ROCK QUARRY LLC	TBD	TBD	0.14	VACANT
20	TBD	STACKHOUSE DEVELOPMENT ROCK QUARRY LLC	TBD	TBD	0.12	VACANT
21	TBD	STACKHOUSE DEVELOPMENT ROCK QUARRY LLC	TBD	TBD	0.21	VACANT
22	TBD	STACKHOUSE DEVELOPMENT ROCK QUARRY LLC	TBD	TBD	1.48	VACANT

Line Table

Line #	Length	Direction
L31	191.86	N86° 01' 25"W
L32	74.31	S57° 44' 49"W
L33	95.60	S56° 14' 35"W
L34	213.61	S41° 05' 23"W
L35	170.14	S74° 00' 02"W
L36	168.86	S59° 09' 03"W
L37	185.41	S12° 35' 23"W
L38	160.91	S11° 43' 00"W
L39	187.68	S47° 34' 45"W
L40	178.73	S01° 59' 37"E
L41	109.80	S59° 11' 07"W
L42	80.65	S43° 30' 47"W
L43	175.71	S81° 04' 03"W
L44	111.82	S57° 12' 37"W
L45	140.51	S20° 24' 14"W
L46	113.53	S09° 20' 07"E
L47	206.07	S43° 33' 20"W
L48	59.38	N03° 07' 22"E
L49	316.64	N41° 31' 37"E
L50	254.55	N41° 04' 55"E
L51	195.20	N40° 57' 04"E
L52	192.05	N41° 21' 28"E
L53	133.49	N40° 55' 16"E

SWIFT PARTNERS

414 FAYETTEVILLE ST
RALEIGH NC 27601
FIRM LICENSE: P-2187

[redacted]

ISSUED FOR REVIEW
NOT FOR CONSTRUCTION

No.	Date	Description

VICINITY

SCALE

0 30 60 120

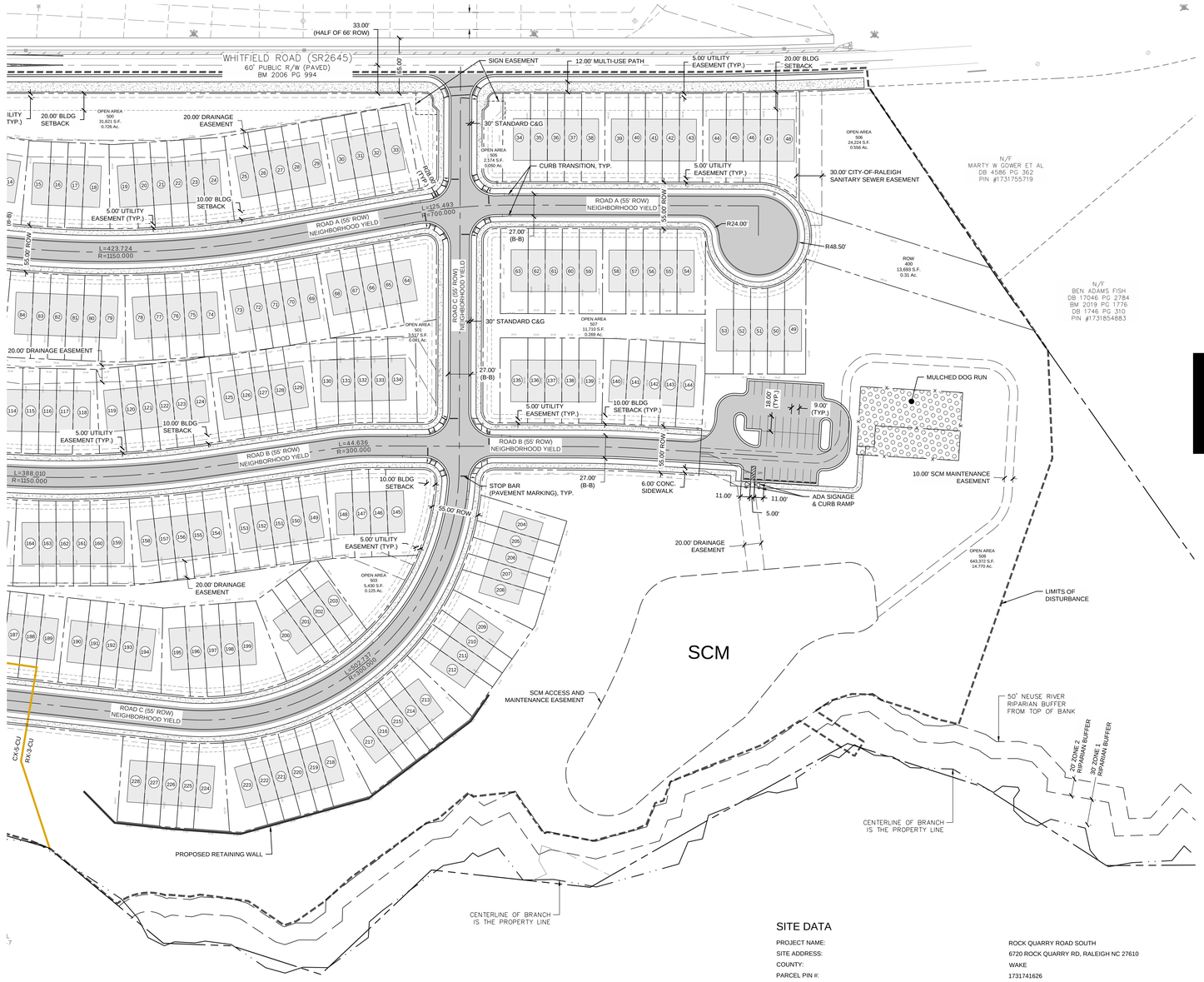
SCALE: 1" = 60'

ARROW

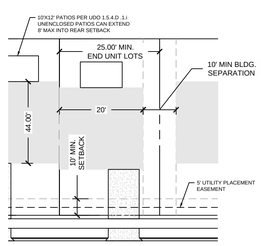
DATE: 04.28.2023
CHECKED BY: LAP
DRAWN BY: DWS
PROJECT: ROCK QUARRY ROAD SOUTH
PROJECT #: C202307

SHEET TITLE
DEMOLITION PLAN

SHEET NO.
C2.00



LIMITS OF DISTURBANCE



OWNHOME LOT LAYOUT

SITE LEGEND:

SYMBOL	DESCRIPTION
	PROPOSED BUILDING
	PROPOSED CONCRETE SIDEWALK
	PROPOSED MILL & OVERLAY
	PROPOSED FULL DEPTH PAVEMENT
	PROPOSED CURB & GUTTER
	PROPOSED STOP BAR
	PROPOSED CROSSWALK
	PROPOSED 6' WIDE STANDARD CROSSWALK
	PROPOSED 10' WIDE HIGH VISIBILITY CROSSWALK
	PROPOSED SIGN
H/C	PROPOSED ADA PARKING SPACE
	PROPOSED KEYSTONE WALL
X	PROPOSED FENCE
	PROPOSED BIKE RACK
	ZONING LINE (CX-5-CU & RX-3-CU)

SITE DATA

PROJECT NAME:	ROCK QUARRY ROAD SOUTH
SITE ADDRESS:	6720 ROCK QUARRY RD, RALEIGH NC 27610
COUNTY:	WAKE
PARCEL PIN #:	1731741626
LOT NUMBER:	NEW LOT 2
PARCEL OWNER:	CAERUS ROTH LLC
PARCEL AREA:	37.787 AC / 1,646,004 SF
TOTAL SITE GROSS ACREAGE:	37.787 AC / 1,646,004 SF
RIGHT-OF-WAY DEDICATION:	TOTAL DEDICATION: 6.739 AC / 293,572 SF WHITFIELD ROAD: 0.083 AC / 3,629 SF PROPOSED PUBLIC STREETS INTERNAL TO SITE: 6.656 AC / 289,943 SF
NET ACREAGE:	31.048 AC / 1,352,432 SF (6.739 AC / 293,572 SF ROW DEDICATION)
CURRENT ZONING:	CX-5-CU (4.069 AC) & RX-3-CU (33.718 AC)
PROPOSED ZONING:	CX-5-CU & RX-3-CU
EXISTING LAND USE:	VACANT
PROPOSED LAND USE:	TOWNHOUSE
FLOOD PLAIN DATA:	NONE
RIVER BASIN:	NEUSE
DEVELOPMENT TYPE:	ATTACHED TOWNHOUSE
MAX BUILDING HEIGHT:	50'
PROPOSED BUILDING HEIGHT:	TBD
PROPOSED NUMBER OF TOWNHOUSE LOTS:	228 (ALL 3 BEDROOM)
PROPOSED NUMBER OF OPEN AREA LOTS:	7
LIMITS OF DISTURBANCE:	34.317 AC / 1,494,831 SF
EXISTING IMPERVIOUS AREA:	0 AC / 0 SF
PROPOSED IMPERVIOUS AREA:	13.02 AC / 567,343 SF
REQUIRED AMENITY AREA (10%):	3.105 AC / 135,243 SF
PROPOSED AMENITY AREA:	3.501 AC / 153,366 SF (11.34%)
REQUIRED TREE CONSERVATION AREA (10%)	3.105 AC / 135,243 SF
PROPOSED TREE CONSERVATION AREA:	3.296 AC / 143,590 SF (10.62%)
PARKING DATA:	
REQUIRED PARKING - MULTI-UNIT LIVING (3 BEDROOM):	456 SPACES (2 SPACES PER UNIT)
PROPOSED PARKING - MULTI-UNIT LIVING (3 BEDROOM):	456 SPACES
PROPOSED PARKING - AMENITY AREA:	56 SPACES
TOTAL PARKING:	512 SPACES
REQUIRED BICYCLE PARKING:	14 (1 PER 20 UNITS, 4 MINIMUM)
PROPOSED BICYCLE PARKING:	14

SWIFT PARTNERS

414 FAYETTEVILLE ST
RALEIGH NC 27601
FIRM LICENSE: P-2187

[redacted]

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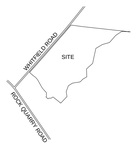
No.	Date	Description

VICINITY



SCALE

0 30 60 120

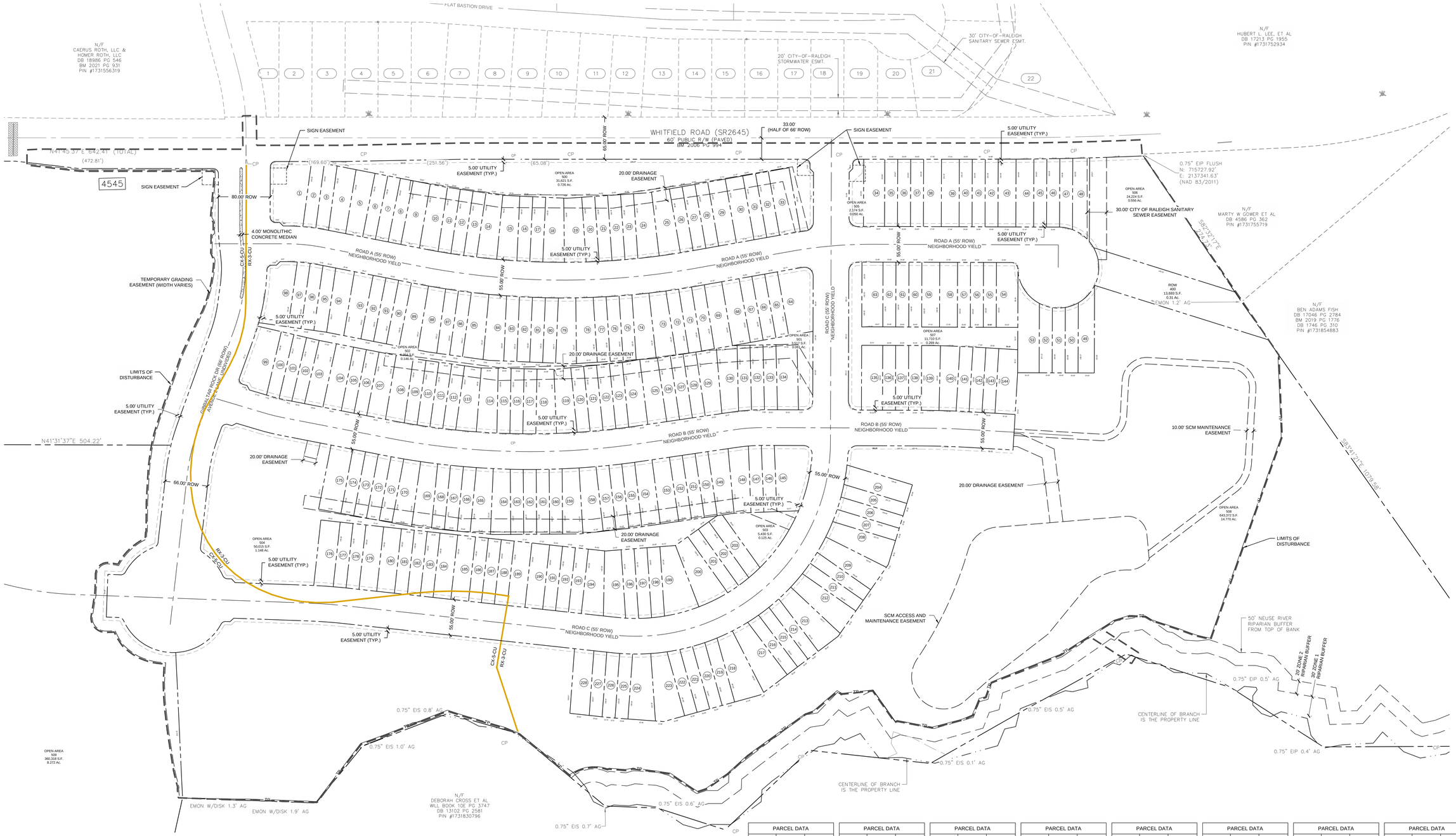
SCALE: 1" = 60'

ARROW

DATE: 04.28.2023
CHECKED BY:LAP
DRAWN BY: LAP
PROJECT: ROCK QUARRY ROAD SOUTH
PROJECT #: C202307

SHEET TITLE
SITE PLAN

SHEET NO.
C3.00



Line Table		
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L37	185.41	S12° 35' 23"W
L38	160.91	S11° 43' 00"W
L39	187.68	S47° 34' 45"W
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L44	111.82	S57° 12' 37"W
L45	140.51	S20° 24' 14"W
L46	113.53	S09° 20' 07"E
L47	206.07	S43° 33' 20"W
L48	59.38	N03° 07' 22"E
L49	316.64	N41° 31' 37"E
L50	254.55	N41° 04' 55"E
L51	195.20	N40° 57' 04"E
L52	192.05	N41° 21' 28"E
L53	133.49	N40° 55' 16"E
L54	120.95	N39° 32' 14"E

ED BOOK	DEED PAGE	DEEDED AC	LAND CLASSIFICATION
18986	550	0.10	VACANT
18986	550	0.18	VACANT
18986	550	0.18	VACANT
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18986	550	0.18	VACANT
18986	550	0.18	VACANT
18986	550	0.17	VACANT
18986	550	0.17	VACANT
18986	550	0.16	VACANT
18986	550	0.16	VACANT
18986	550	0.16	VACANT
18986	550	0.15	VACANT
TBD	TBD	0.15	VACANT
TBD	TBD	0.14	VACANT
TBD	TBD	0.14	VACANT
TBD	TBD	0.14	VACANT
TBD	TBD	0.14	VACANT
TBD	TBD	0.14	VACANT
TBD	TBD	0.12	VACANT
TBD	TBD	0.21	VACANT
TBD	TBD	1.48	VACANT

PARCEL DATA		
PARCEL #	AREA (SF)	AREA (AC)
1	5,566	0.13
2	2,002	0.05
3	2,003	0.05
4	2,833	0.07
5	2,827	0.06
6	2,000	0.05
7	2,000	0.05
8	2,000	0.05
9	2,807	0.06
10	2,809	0.06
11	2,005	0.05
12	2,009	0.05
13	2,005	0.05
14	2,861	0.07
15	2,863	0.07
16	2,003	0.05
17	2,003	0.05
18	3,050	0.07
19	3,045	0.07
20	2,007	0.05
21	2,014	0.05
22	2,014	0.05
23	2,007	0.05
24	3,036	0.07
25	3,040	0.07
26	2,001	0.05
27	2,002	0.05
28	2,001	0.05
29	2,758	0.06

PARCEL DATA		
PARCEL #	AREA (SF)	AREA (AC)
30	2,758	0.06
31	2,001	0.05
32	2,000	0.05
33	3,252	0.07
34	3,372	0.08
35	2,077	0.05
36	2,078	0.05
37	2,079	0.05
38	2,862	0.07
39	2,864	0.07
40	2,085	0.05
41	2,086	0.05
42	2,087	0.05
43	2,874	0.07
44	2,880	0.07
45	2,102	0.05
46	2,109	0.05
47	2,146	0.05
48	3,065	0.07
49	2,972	0.07
50	2,080	0.05
51	2,006	0.05
52	2,065	0.05
53	4,075	0.09
54	3,297	0.08
55	2,000	0.05
56	2,000	0.05
57	2,000	0.05
58	2,751	0.06

PARCEL DATA		
PARCEL #	AREA (SF)	AREA (AC)
59	2,750	0.06
60	2,000	0.05
61	2,000	0.05
62	2,000	0.05
63	3,249	0.07
64	4,646	0.11
65	2,000	0.05
66	2,000	0.05
67	2,000	0.05
68	2,774	0.06
69	2,774	0.06
70	2,000	0.05
71	2,000	0.05
72	2,002	0.05
73	2,884	0.07
74	2,888	0.07
75	2,003	0.05
76	2,000	0.05
77	2,003	0.05
78	2,977	0.07
79	2,994	0.07
80	2,009	0.05
81	2,002	0.05
82	2,001	0.05
83	2,007	0.05
84	3,001	0.07
85	2,984	0.07
86	2,001	0.05
87	2,001	0.05

PARCEL DATA		
PARCEL #	AREA (SF)	AREA (AC)
88	2,831	0.06
89	2,821	0.06
90	2,000	0.05
91	2,000	0.05
92	2,000	0.05
93	2,814	0.06
94	2,819	0.06
95	2,013	0.05
96	2,032	0.05
97	2,032	0.05
98	4,201	0.10
99	4,114	0.09
100	2,019	0.05
101	2,022	0.05
102	2,009	0.05
103	2,796	0.06
104	2,794	0.06
105	2,000	0.05
106	2,000	0.05
107	2,816	0.06
108	2,818	0.06
109	2,007	0.05
110	2,014	0.05
111	2,014	0.05
112	2,007	0.05
113	2,880	0.07
114	2,882	0.07
115	2,005	0.05
116	2,009	0.05

PARCEL DATA		
PARCEL #	AREA (SF)	AREA (AC)
117	2,005	0.05
118	2,882	0.07
119	2,881	0.07
120	2,008	0.05
121	2,015	0.05
122	2,015	0.05
123	2,008	0.05
124	2,860	0.07
125	2,840	0.07
126	1,984	0.05
127	1,988	0.05
128	1,993	0.05
129	2,900	0.07
130	2,950	0.07
131	2,013	0.05
132	2,000	0.05
133	2,008	0.05
134	3,285	0.08
135	3,252	0.07
136	2,000	0.05
137	2,000	0.05
138	2,000	0.05
139	2,816	0.06
140	2,823	0.06
141	2,000	0.05
142	2,000	0.05
143	2,000	0.05
144	3,083	0.07
145	4,981	0.11

PARCEL DATA		
PARCEL #	AREA (SF)	AREA (AC)
146	2,053	0.05
147	2,061	0.05
148	2,932	0.07
149	2,880	0.07
150	2,000	0.05
151	2,000	0.05
152	2,000	0.05
153	2,792	0.06
154	2,794	0.06
155	2,002	0.05
156	2,000	0.05
157	2,003	0.05
158	2,901	0.07
159	2,915	0.07
160	2,008	0.05
161	2,001	0.05
162	2,001	0.05
163	2,008	0.05
164	2,915	0.07
165	2,902	0.07
166	2,003	0.05
167	2,000	0.05
168	2,003	0.05
169	2,884	0.07
170	2,876	0.07
171	2,001	0.05
172	2,001	0.05
173	2,004	0.05
174	2,007	0.05

PARCEL DATA		
PARCEL #	AREA (SF)	AREA (AC)
175	3,478	0.08
176	3,028	0.07
177	2,002	0.05
178	2,000	0.05
179	2,750	0.06
180	2,752	0.06
181	2,000	0.05
182	2,000	0.05
183	2,000	0.05
184	2,749	0.06
185	2,752	0.06
186	2,000	0.05
187	2,000	0.05
188	2,000	0.05
189	2,749	0.06
190	2,751	0.06
191	2,000	0.05
192	2,000	0.05
193	2,000	0.05
194	2,978	0.07
195	3,079	0.07
196	2,138	0.05
197	2,163	0.05
198	2,159	0.05
199	4,120	0.09
200	3,766	0.09
201	2,133	0.05
202	2,133	0.05
203	2,402	0.06

PARCEL DATA		
PARCEL #	AREA (SF)	AREA (AC)
204	3,094	0.07
205	2,011	0.05
206	1,999	0.05
207	2,011	0.05
208	3,584	0.08
209	3,543	0.08
210	2,004	0.05
211	2,004	0.05
212	3,547	0.08
213	3,589	0.08
214	2,011	0.05
215	1,999	0.05
216	2,011	0.05
217	3,744	0.09
218	3,840	0.09
219	2,029	0.05
220	2,004	0.05
221	2,004	0.05
222	2,028	0.05
223	3,720	0.09
224	3,590	0.08
225	2,003	0.05
226	2,001	0.05
227	2,001	0.05
228	3,002	0.07

SWIFT PARTNE
414 FAYETTEVILLE ST
RALEIGH NC 27601
FIRM LICENSE: P-2187

[redacted]

STATUS
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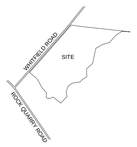
No.	Date	Description

VICINITY



SCALE

0 30 60 120

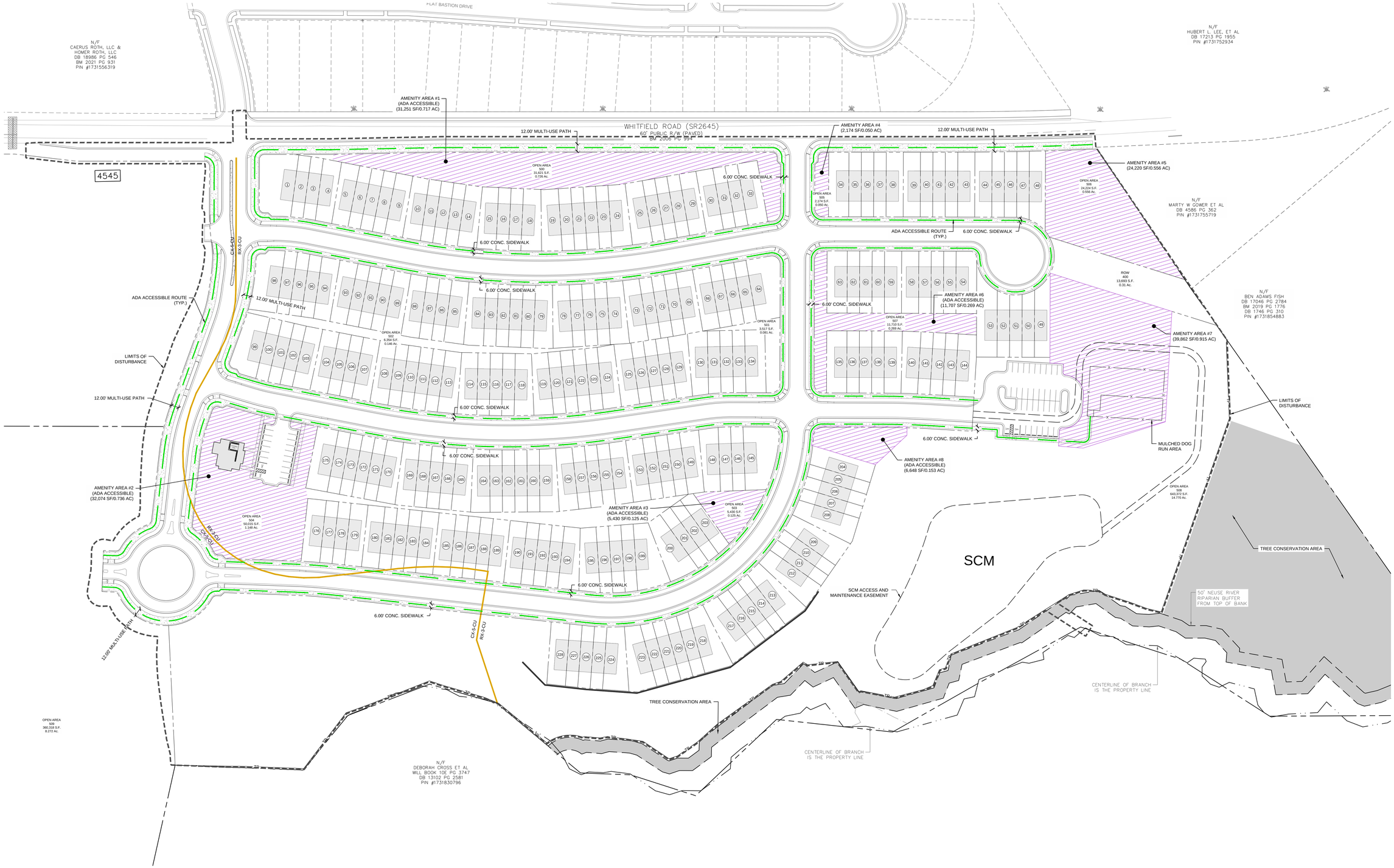
SCALE: 1" = 60'

ARROW

DATE: 04.28.2023
CHECKED BY:LAP
DRAWN BY: JS
PROJECT: ROCK QUARRY ROAD SOUTH
PROJECT #: C202307

SHEET TITLE
SUBDIVISION PLAN

SHEET NO.
C3.10



AMENITY AREA CALCULATIONS		
AMENITY AREA	AREA (SF)	PERCENTAGE (%)
SITE AREA (GROSS)	1,646,004	
SITE AREA (NET)	1,352,432	
TOTAL AMENITY AREA REQUIRED	135,243	10.00%
ADA ACCESSIBLE AMENITY AREA PROVIDED		
AREA #1	31,251	
AREA #2	32,074	
AREA #3	5,430	
AREA #4	2,174	
AREA #5	24,220	
AREA #6	11,707	
AREA #7	39,862	
AREA #8	6,648	
TOTAL AMENITY AREA PROVIDED	153,366	11.34%

AMENITY AREA LEGEND:

- LIMITS OF DISTURBANCE
- ZONING LINE (CX-5-CU & RX-3-CU)
- TP — TREE PROTECTION FENCE
- ADA ACCESSIBLE ROUTE
- ADA ACCESSIBLE AMENITY AREA
- AMENITY AREA

AMENITY AREA NOTES:

1. AMENITY AREAS MEET THE REQUIRED 10% OF THE TOTAL AREA.
2. AT LEAST 50% OF THE AMENITY AREA SPACE IS ADA ACCESSIBLE.

SWIFT PARTNE

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RALEIGH NC 27601
FIRM LICENSE: P-2187

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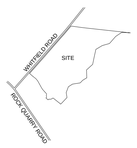
VICINITY



SCALE

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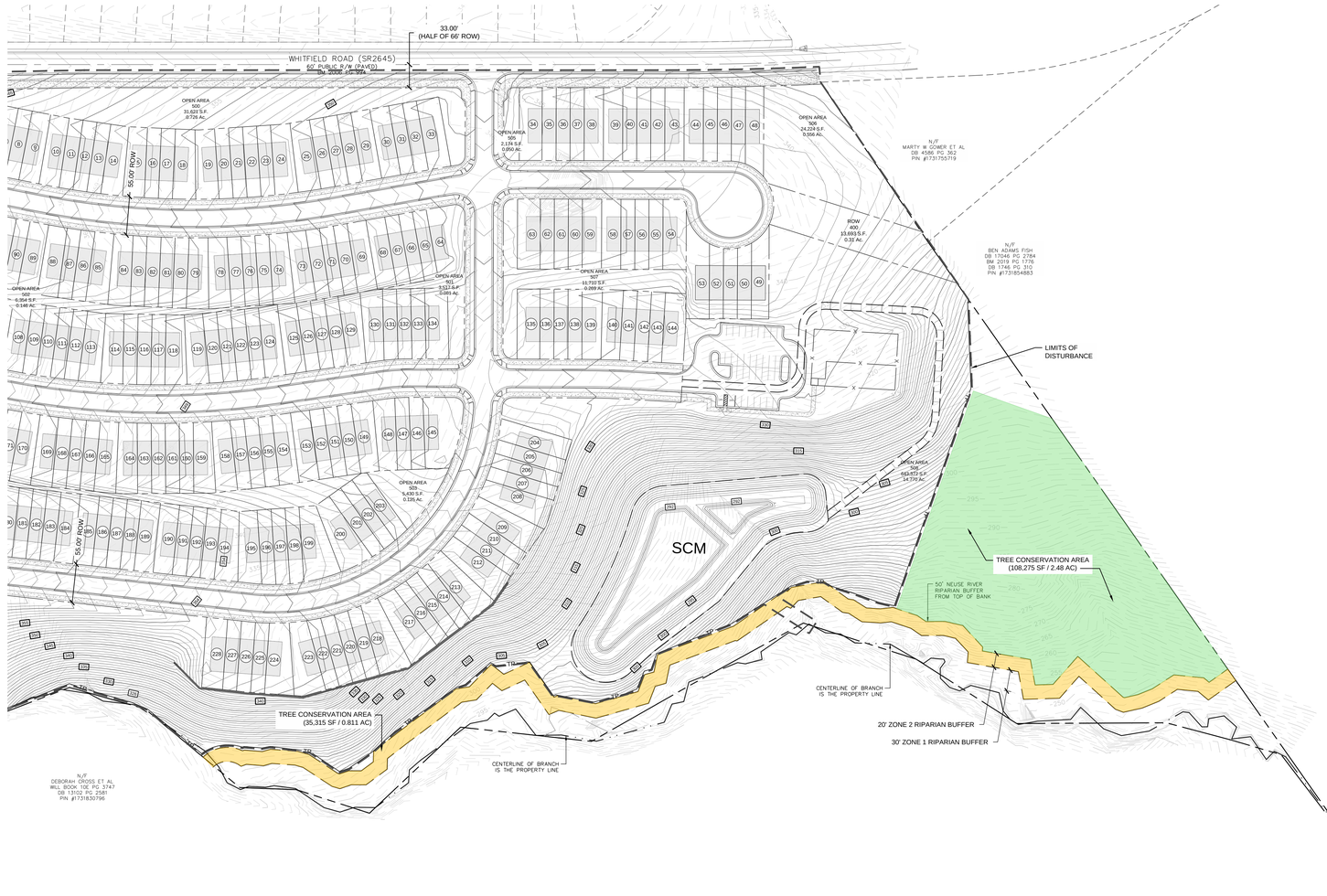
SCALE: 1" = 60'

ARROW

DATE: 04.28.2023
CHECKED BY:LAP
DRAWN BY:LAP
PROJECT: ROCK QUARRY ROAD SOUTH
PROJECT #: C202307

SHEET TITLE
AMENITY AREA PLAN

SHEET NO.
C3.11



TREE CONSERVATION AREA CALCULATIONS		
AMENITY AREA	AREA (SF)	PERCENTAGE (%)
SITE AREA (GROSS)	1,646,004	
SITE AREA (NET)	1,352,432	
TREE CONSERVATION AREA REQUIRED	135,243	10.00%
TREE CONSERVATION AREA PROVIDED		
PRIMARY	35,315	
SECONDARY	108,275	
TOTAL TREE CONSERVATION AREA PROVIDED	143,590	10.62%

TREE CONSERVATION AREA LEGEND:

SYMBOL	DESCRIPTION
	TREE CONSERVATION AREA (PRIMARY)
	TREE CONSERVATION AREA (SECONDARY)
	LIMITS OF DISTURBANCE
200	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
200	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
TP	TREE PROTECTION FENCE

TREE CONSERVATION AREA NOTE:

1. TREE CONSERVATION AREA MEETS THE REQUIRED 10% OF THE TOTAL AREA.

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RALEIGH NC 27601
FIRM LICENSE: P-2187

[redacted]

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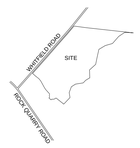
VICINITY



SCALE

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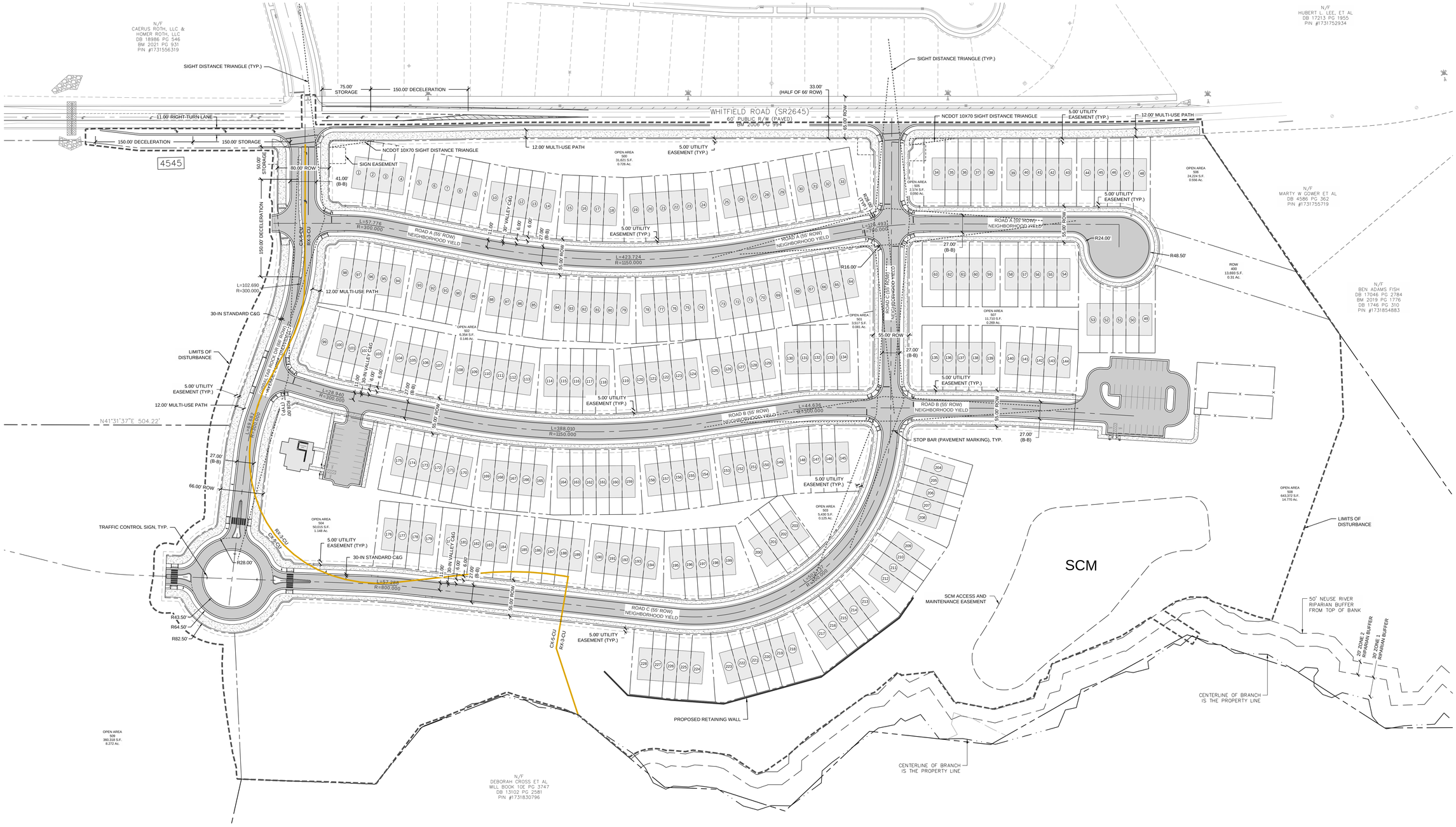
SCALE: 1" = 80'

ARROW

DATE: 04.28.2023
CHECKED BY:LAP
DRAWN BY:LAP
PROJECT: ROCK QUARRY ROAD SOUTH
PROJECT #: C202307

SHEET TITLE
TCA PLAN

SHEET NO.
C3.12



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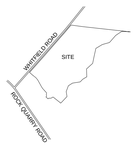
RALEIGH NC 27601
FIRM LICENSE: P-2187

NOT FOR CONSTRUCTION

No.	Date	Description

VICINITY



SCALE

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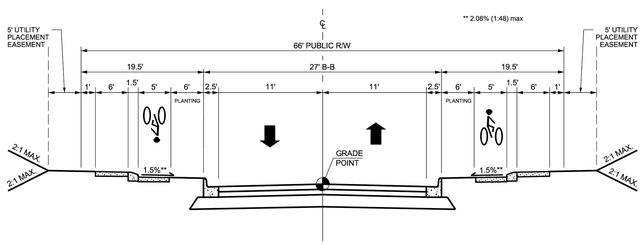
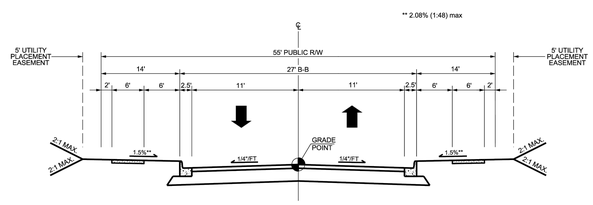
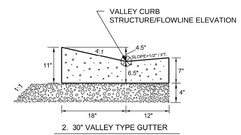
SCALE: 1" = 60'

ARROW

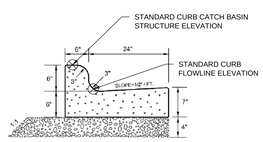




NEIGHBORHOOD YIELD
(ROAD A, ROAD B AND ROAD C)



2. 30" VALLEY TYPE GUTTER



1. 30" CURB & GUTTER

Table 10.Intersection Stopping Sight Distance

Speed limit (mph)	Minimum Intersection Sight Distance (ft)							
	2 Lane Undivided		3 Lane Undivided or 2 Lane Divided w/ 12' median		4 Lane Undivided		5 Lane Undivided or 4 Lane Divided w/ 12' median	
	LEFT TURN	RIGHT TURN	LEFT TURN	RIGHT TURN	LEFT TURN	RIGHT TURN	LEFT TURN	RIGHT TURN
20	230	200	240	200	250	200	270	200
25	280	240	300	240	320	240	340	240
30	340	290	360	290	380	290	400	290
35	390	340	420	340	440	340	470	340
40	450	390	480	390	500	390	530	390
45	500	430	530	430	570	430	600	430
50	560	480	590	480	630	480	670	480
55	610	530	650	530	690	530	730	530

SITE LEGEND:

SYMBOL	DESCRIPTION
	PROPOSED BUILDING
	PROPOSED CONCRETE SIDEWALK
	PROPOSED MILL & OVERLAY
	PROPOSED FULL DEPTH PAVEMENT
	PROPOSED CURB & GUTTER
	PROPOSED STOP BAR
	PROPOSED CROSSWALK
	PROPOSED 6' WIDE STANDARD CROSSWALK
	PROPOSED 10' WIDE HIGH VISIBILITY CROSSWALK
	PROPOSED SIGN
H/C	PROPOSED ADA PARKING SPACE
	PROPOSED KEYSTONE WALL
x	PROPOSED FENCE
	PROPOSED BIKE RACK
	ZONING LINE (CX-5-CU & RX-3-CU)
	LIMITS OF DISTURBANCE

DATE: 04.28.2023
CHECKED BY:LAP
DRAWN BY:CLC
PROJECT: ROCK QUARRY ROAD SOUTH
PROJECT #: C202307

SHEET TITLE
TRANSPORTATION PLAN

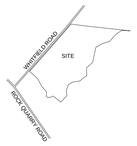
SHEET NO.
C3.13

414 FAYETTEVILLE ST
RALEIGH NC 27601
FIRM LICENSE: P-2187

ISSUED FOR REVIEW
NOT FOR CONSTRUCTION

No.	Date	Description

VICINITY



SCALE

0 30 60 120

SCALE: 1" = 60'

ARROW

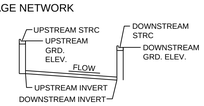
IMPERVIOUS CALCULATION

EXISTING IMPERVIOUS AREA:	0 AC / 0 SF
PROPOSED IMPERVIOUS AREA:	13.02 AC / 567,343 SF

STORM DRAINAGE NETWORK

TYPE CODE:
AD = AREA DRAIN
FES = FLARED END SECTION
JB = JUNCTION BOX
RI = RISER
YI = YARD INLET
CB = CATCH BASIN
CI = CURB INLET
CO = CLEANOUT
TD = TRENCH DRAIN

TYPE CODE:
L-AD = AREA DRAIN
L-JB = JUNCTION BOX
L-TD = TRENCH DRAIN
L-CO = CLEANOUT



NOTES:
1. STRUCTURES WITHIN NCDOT RIGHT-OF-WAY SHALL BE TO NCDOT STANDARDS.
2. STRUCTURES NOT WITHIN RIGHT OF WAY SHALL EITHER ALL BE TO NCDOT STANDARDS OR SHALL ALL BE TO LOCAL JURISDICTIONAL STANDARDS.
3. ALL STORM PIPES TO BE CLASS III RCP UNLESS OTHERWISE NOTED.

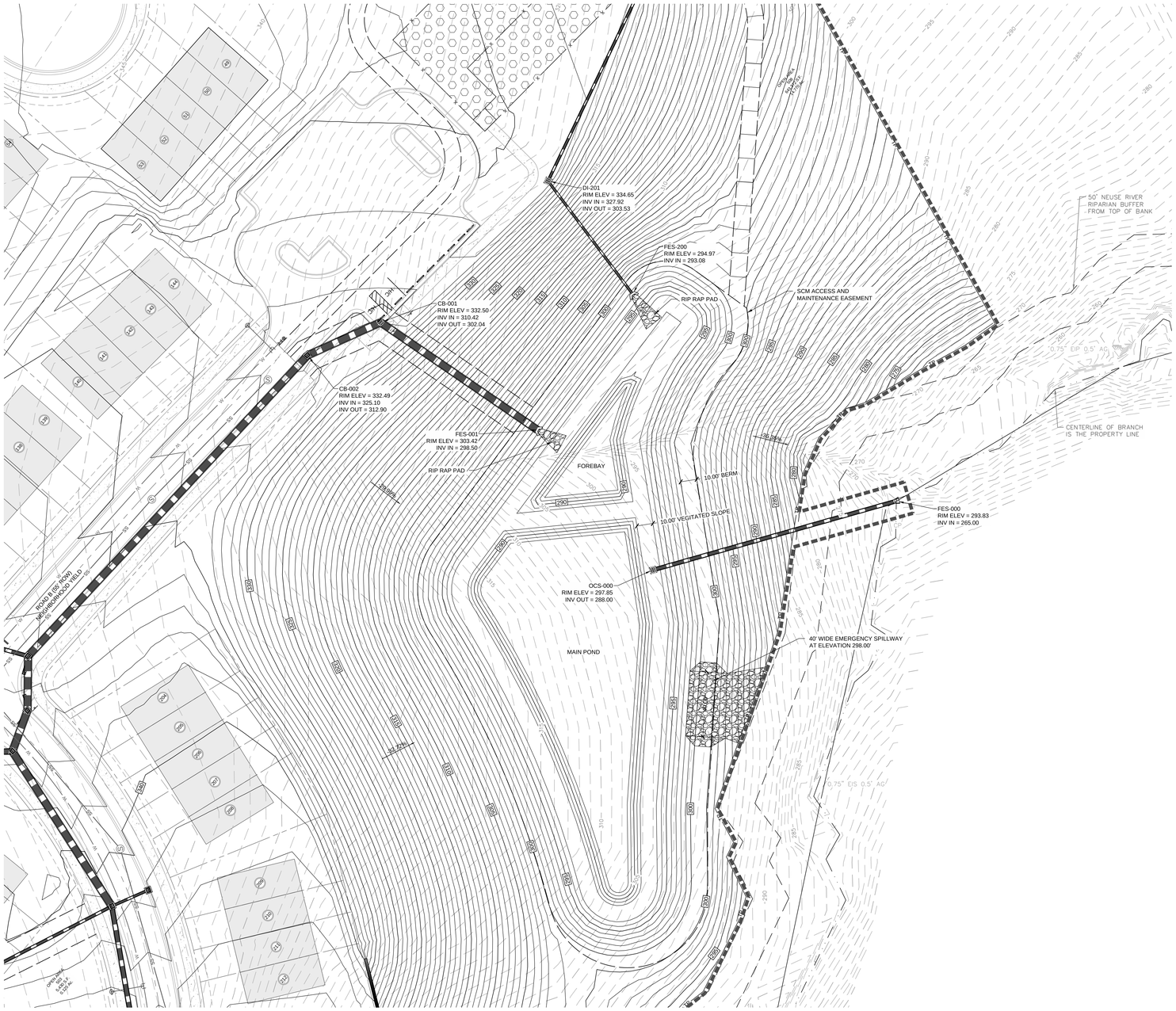
GRADING LEGEND:

SYMBOL	DESCRIPTION
	LIMITS OF DISTURBANCE
200	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
200	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	PROPOSED STORM DRAINAGE
D	PROPOSED JUNCTION BOX
	CITY OF RALEIGH CONVERSION STYLE CATCH BASIN SW10.13
	STANDARD CITY OF RALEIGH CATCH BASIN
D	OPEN THROAT AREA DRAIN
	STANDARD CITY OF RALEIGH DROP INLET
	RIPRAP DISSIPATOR
	FLOW DIRECTION
44.50	PROPOSED ELEVATION
TC 44.50 / BC 44.00	TOP/BOTTOM OF CURB
TW 46.00 / BW 44.00	TOP/BOTTOM OF WALL
	BUILDING PAD
TOS	TOP OF SLAB
BP	BOTTOM OF PAD

DATE: 04.28.2023
CHECKED BY: LAP
DRAWN BY: LAS
PROJECT: ROCK QUARRY ROAD SOUTH
PROJECT #: C202307

SHEET TITLE
GRADING& STORM DRAINAGE PLAN

SHEET NO.
C5.00



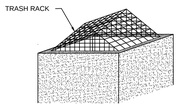
- CONNECTOR MEETING ASTM C-1478 (A-LOK PRODUCTS, TULLYTOWN, PA).
4. SHOP DRAWINGS MUST BE SUBMITTED AND APPROVED BY THE ENGINEER BEFORE CONSTRUCTION.
5. GEOTECHNICAL ENGINEER SHALL MONITOR DAM AND OUTLET STRUCTURE INSTALLATION. ALL FILL AREAS SHALL BE COMPACTED TO 95% OF THE MATERIALS MAXIMUM DRY DENSITY UNLESS OTHERWISE DICTATED BY GEOTECHNICAL ENGINEER.
6. DRAINAGE AREA MUST BE STABILIZED PRIOR TO INSTALLATION PERMANENT STORMWATER CONTROL MEASURE.
7. PRIOR TO FINAL CERTIFICATE OF OCCUPANCY, SURVEYOR SEALED AS-BUILT DRAWINGS OF WATER QUALITY BASIN AND OUTLET STRUCTURE SHALL BE SUBMITTED TO ENGINEER FOR APPROVAL AND WET POND TO PASS INSPECTION.
8. PER NCDEQ MANUAL, INTERIOR SLOPES MAY BE NO STEEPER THAN 3:1.

PROPOSED JUNCTION BOX
PROPOSED CATCH BASIN
PROPOSED AREA DRAIN
RIPRAP DISSIPATOR
FLOW DIRECTION
44.50 PROPOSED ELEVATION
TC 44.50 / BC 44.00 TOP/BOTTOM OF CURB
TW 46.00 / BW 44.00 TOP/BOTTOM OF WALL

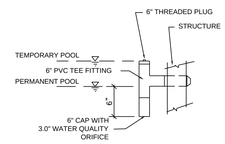
NOTES:
1. SEE SHEET C0.10 FOR GENERAL AND GRADING NOTES.

DIMENSION CHART

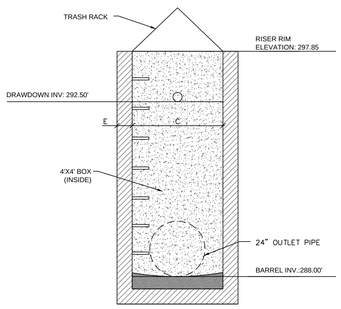
DESCRIPTION	DIMENSION
Inside Dimension of Outlet Structure (ft) (Square Box)	4'X4'
Width of Outlet Structure Walls (in)	6.00
Outlet Pipe Diameter (in)	24.00
Emergency Weir Width (ft)	40.00
Anti-seep Collar Length and Width (ft)	7.00
Clearance between Outlet Structure and Anti-seep Collar (ft)	10.00
Additional Anti-seep Collar Spacing Downstream (O.C.) (ft)	20.00



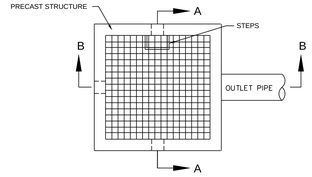
ISOMETRIC DETAIL
NTS



WATER QUALITY ORIFICE DETAIL



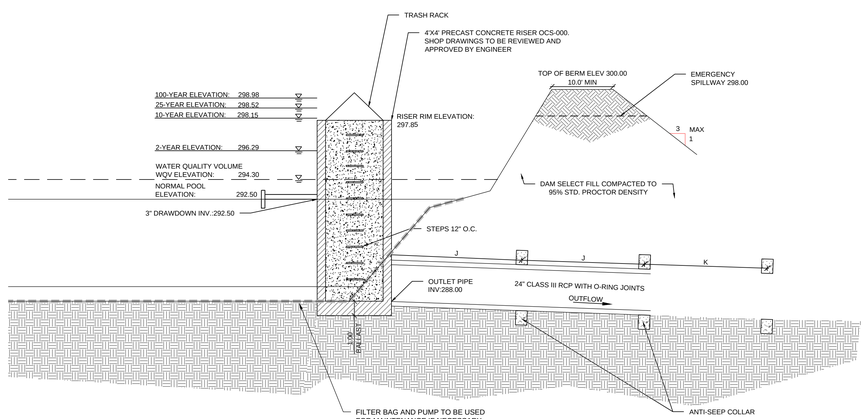
SECTION A-A



PLAN

BERM SOIL AND COMPACTION SPECIFICATIONS

1. ALL FILL SOILS FOR BERM/DAM SECTION SHALL BE CLEAN, IMPERMEABLE MATERIAL AND COMPACTED TO AT LEAST 98% STANDARD PROCTOR MAXIMUM DRY DENSITY, AT OPTIMUM MOISTURE CONTENT. NO BLASTED MATERIALS SHALL BE USED IN THE EMBANKMENT CONSTRUCTION. SOILS SHALL NOT EXHIBIT SIGNIFICANT SHRINKSWELL OR DISPERSIVE CHARACTERISTICS. ON-SITE GEOTECHNICAL ENGINEER SHALL APPROVE THE SOILS FOR PLACEMENT WITHIN THE BERM/DAM SECTION. THE GEOTECHNICAL ENGINEER SHALL ALSO SPECIFY THE METHODS TO BE USED FOR PLACEMENT OF FILL.
2. IN ALL FILL AREAS OF THE BERM/DAM, A SOILS COMPACTION TEST SHALL BE CONDUCTED EACH 2500 SQUARE FEET PER VERTICAL FOOT OF FILL.
3. A KEY TRENCH IS TO BE PROVIDED IN ALL FILL AREAS. TRENCH TO EXTEND A MINIMUM OF FIVE FEET BELOW EXISTING GRADE. SOILS AND COMPACTION FOR KEY TRENCH SHALL MEET ALL REQUIREMENT OF #1 ABOVE.
4. NO WOODY VEGETATION OF ANY TYPE MAY BE LOCATED WITHIN 7' OF THE TOE OF THE BERM/DAM SLOPE.
5. FILL PLACEMENT SHALL NOT EXCEED A MAXIMUM 8" LIFT. EACH LIFT SHALL BE CONTINUOUS FOR THE ENTIRE LENGTH OF EMBANKMENT. BEFORE PLACEMENT OF FILL FOR THE BERM/DAM SECTION, ALL UNSUITABLE MATERIAL SHALL BE REMOVED AND THE SURFACE PROPERLY PREPARED FOR FILL PLACEMENT.
6. AN ADDITIONAL FIVE PERCENT (5%) OF THE DESIGN HEIGHT OF AN EARTHEN EMBANKMENT DAM SHALL BE ADDED TO THE TOP OF DAM ELEVATION DURING FILL PLACEMENT TO NEGATE FUTURE SETTLEMENT.
7. TO HELP ENSURE THE STORMWATER BMP BERM/DAMS HAVE MET THE STATE DAM SAFETY REGULATIONS AND THAT THE BERMS/DAMS HAVE BEEN DESIGNED WITH PUBLIC HEALTH, SAFETY, AND WELFARE IN MIND THE ENGINEER'S STATEMENT OF POND AND DAM SAFETY IS REQUIRED FOR BERMS/DAMS PROPOSED TO BE CONSTRUCT FOR STORMWATER BMPS THAT TEMPORARILY OR PERMANENTLY STORE WATER.
8. CONCRETE DAMS AND SPILLWAY STRUCTURES SHALL BE DESIGNED AND BUILT IN ACCORDANCE WITH THE AMERICAN CONCRETE INSTITUTE'S (ACI) LATEST GUIDELINES. PARTICULAR ATTENTION SHALL BE PAID TO DESIGN AND ANALYSIS, WATER TIGHTNESS, CONCRETE QUALITY AND CONSTRUCTION PRACTICES. STRUCTURES SHALL BE DESIGNED AND CONSTRUCTED TO MAINTAIN WATER TIGHTNESS BY CONTROLLING AND LIMITING CRACKING WITH THE PROPER JOINT DESIGN AND SPACING. DOCUMENTATION IS TO BE SUBMITTED WITH POND CERTIFICATION.
9. WHEN BLASTING IS USED TO REMOVE ROCK FROM THE POOL AREA, THE BLASTED AREA SHOULD BE OVER EXCAVATED TO A SUFFICIENT DEPTH BELOW FINISH GRADE AND BROUGHT BACK TO FINISH GRADE WITH IMPERVIOUS SOIL MATERIAL COMPACTED IN PLACE OR AN ALTERNATE METHOD CAN BE SUBMITTED FOR APPROVAL. DOCUMENTATION IS TO BE SUBMITTED WITH POND CERTIFICATION.



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414 FAYETTEVILLE ST
RALEIGH NC 27601
FIRM LICENSE: P-2187

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ISSUED FOR REVIEW
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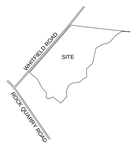
No.	Date	Description

VICINITY

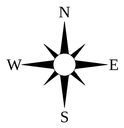


SCALE

0 15 30 60

SCALE: 1" = 30'

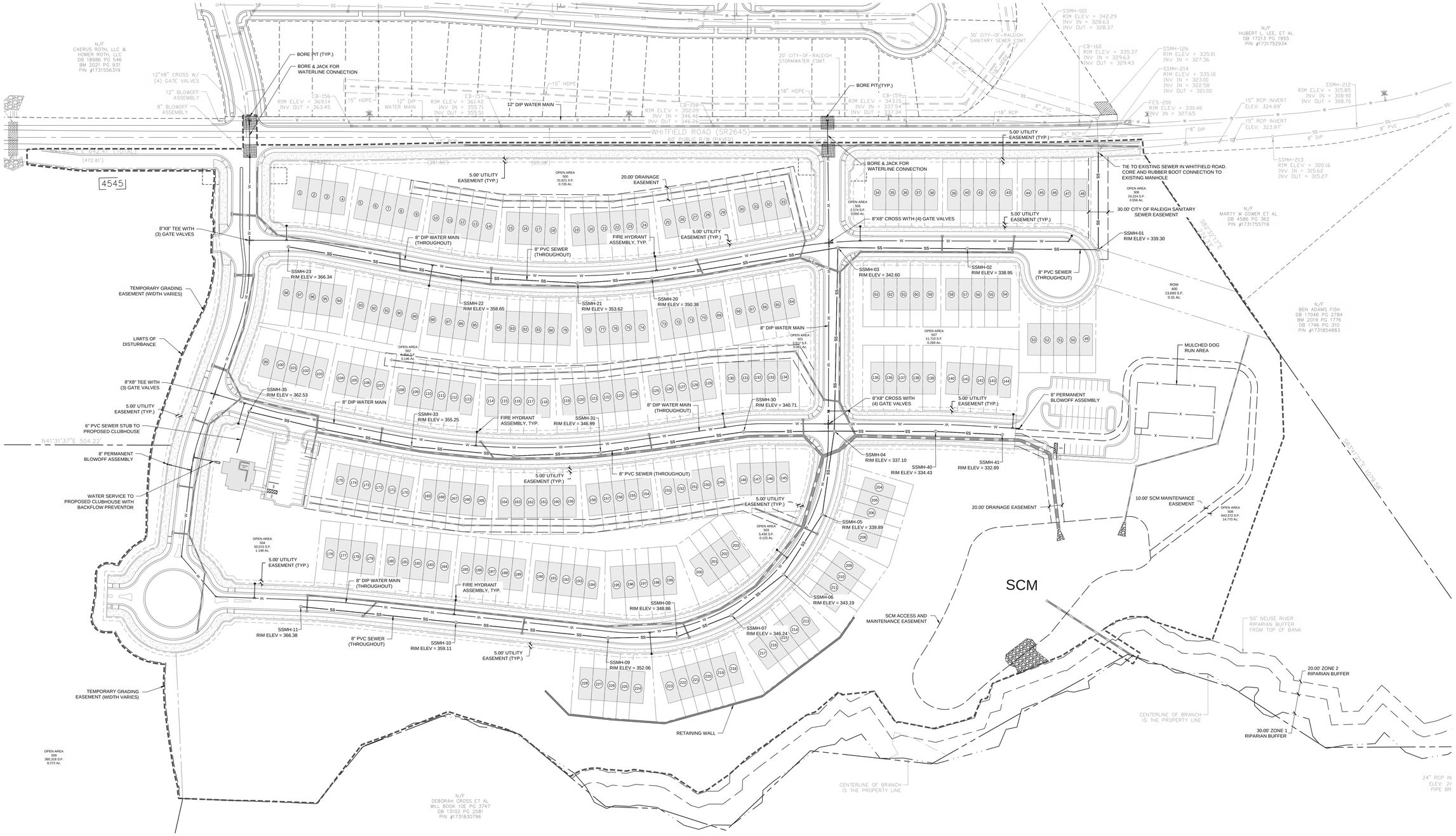
ARROW

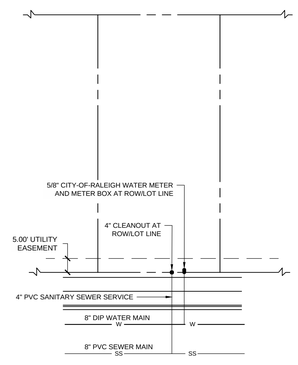


DATE: 04.28.2023
CHECKED BY: LAP
DRAWN BY: LAP
PROJECT: ROCK QUARRY ROAD SOUTH
PROJECT #: C202307

SHEET TITLE
SCM DETAIL SHEET

SHEET NO.
C5.10





STANDARD UTILITY NOTES:

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:
   - 2.A. A DISTANCE OF 10' 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
   - 2.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
   - 2.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
   - 2.D. 5.0' MINIMUM HORIZONTAL SEPARATION IS REQUIRED BETWEEN ALL SANITARY SEWER & STORM SEWER FACILITIES, UNLESS DIP MATERIAL IS SPECIFIED FOR SANITARY SEWER
   - 2.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)
   - 2.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 15 DAYS ADVANCE 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 " 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 CORPUD FOG PROGRAM COORDINATOR PRIOR TO ISSUANCE OF A BUILDING PERMIT. CONTACT STEPHEN CALVERLEY AT (919) 996-2334 OR STEPHEN.CALVERLEY@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. CONTACT JOANIE HARTLEY AT (919) 996-5923 OR JOANIE.HARTLEY@RALEIGHNC.GOV FOR MORE INFORMATION

UTILITY LEGEND:

SYMBOL	DESCRIPTION
W	EXISTING WATER LINE
W	PROPOSED WATER LINE
SS	EXISTING SANITARY SEWER LINE
SS	PROPOSED SANITARY SEWER LINE
	PROPOSED FIRE HYDRANT
	PROPOSED WATER VALVE
S	EXISTING SANITARY SEWER MANHOLE
S	PROPOSED SANITARY SEWER MANHOLE
CO	PROPOSED CLEANOUT
FDC	PROPOSED FDC
	PROPOSED BACKFLOW METER
PIV	PROPOSED POST INDICATOR VALVE (PIV)
	GREASE INTERCEPTOR
	400' HYDRANT COVERAGE CIRCLE
	LIMITS OF DISTURBANCE

NOTES:

1. SEE SHEET C0.10 FOR GENERAL AND UTILITY NOTES.

SWIFT PARTNE

414 FAYETTEVILLE ST
RALEIGH NC 27601
FIRM LICENSE: P-2187

[redacted]

ISSUED FOR REVIEW
NOT FOR CONSTRUCTION

No.	Date	Description

VICINITY

SCALE

0 30 60 120

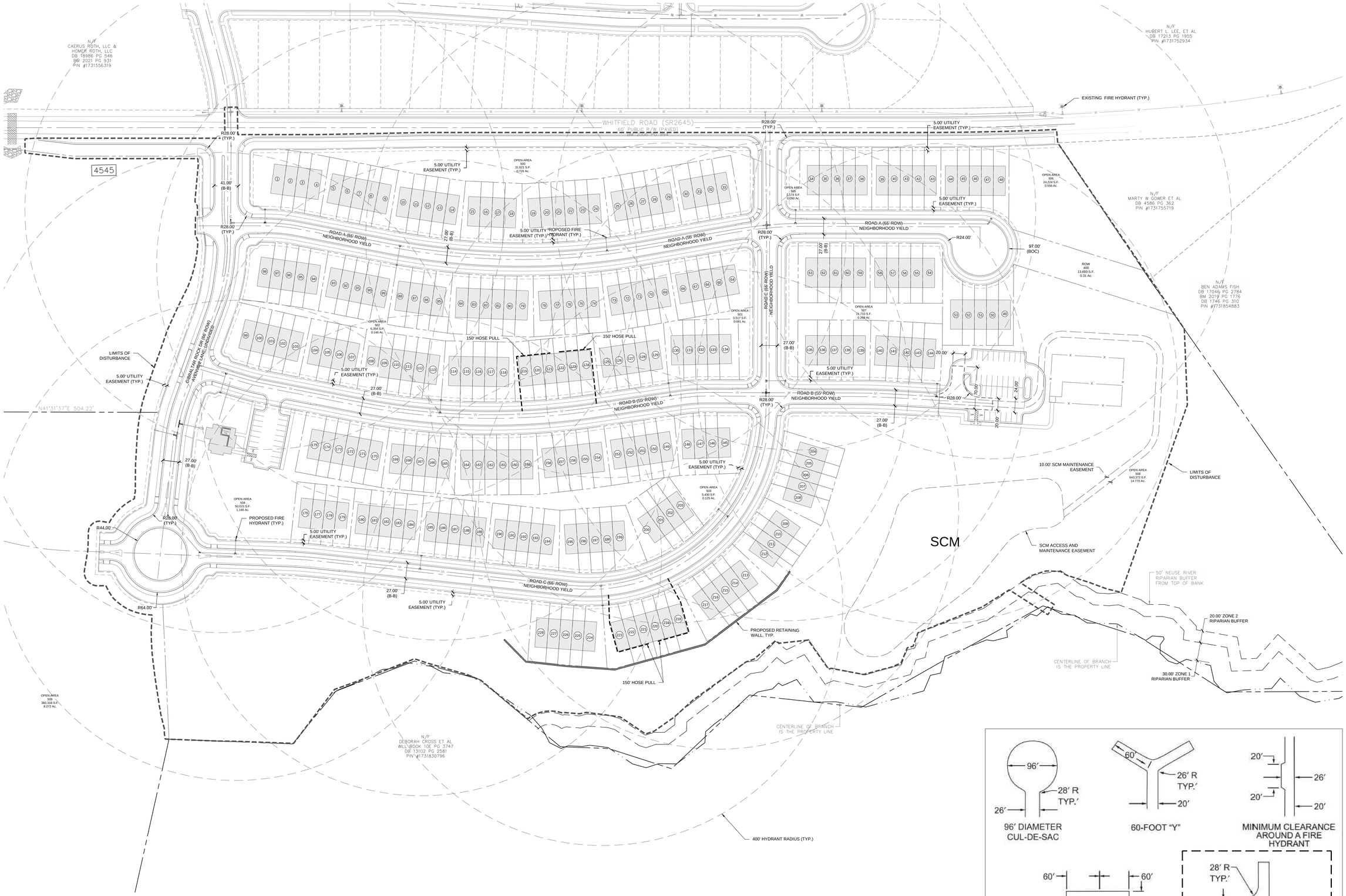
SCALE: 1" = 60'

ARROW

DATE: 04.28.2023
CHECKED BY: LAP
DRAWN BY: LAP
PROJECT: ROCK QUARRY ROAD SOUTH
PROJECT #: C202307

SHEET TITLE
UTILITIES PLAN

SHEET NO.
C6.00

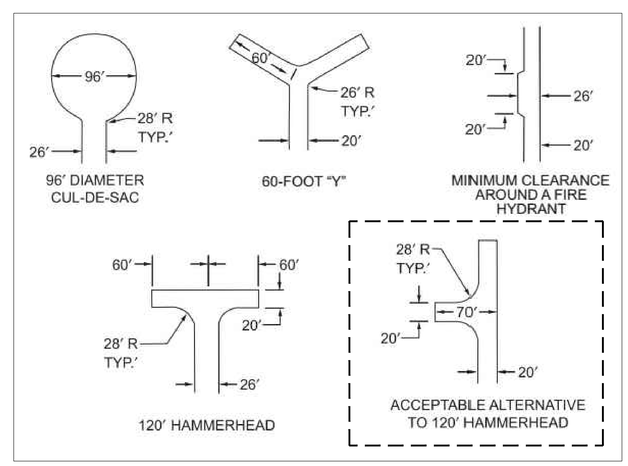


UTILITY LEGEND:

SYMBOL	DESCRIPTION
—W—	EXISTING WATER LINE
—W—	PROPOSED WATER LINE
	PROPOSED FIRE HYDRANT
	PROPOSED WATER VALVE
	400' HYDRANT COVERAGE CIRCLE
	LIMITS OF DISTURBANCE

NOTES:

1. SEE SHEET C0.10 FOR GENERAL AND UTILITY NOTES.



DEAD-END FIRE APPARATUS ACCESS ROAD TURNAROUND (APPENDIX D)

SWIFT PARTNE

414 FAYETTEVILLE ST
RALEIGH NC 27601
FIRM LICENSE: P-2187

[redacted]

ISSUED FOR REVIEW
NOT FOR CONSTRUCTION

No.	Date	Description

VICINITY

SCALE

0 30 60 120

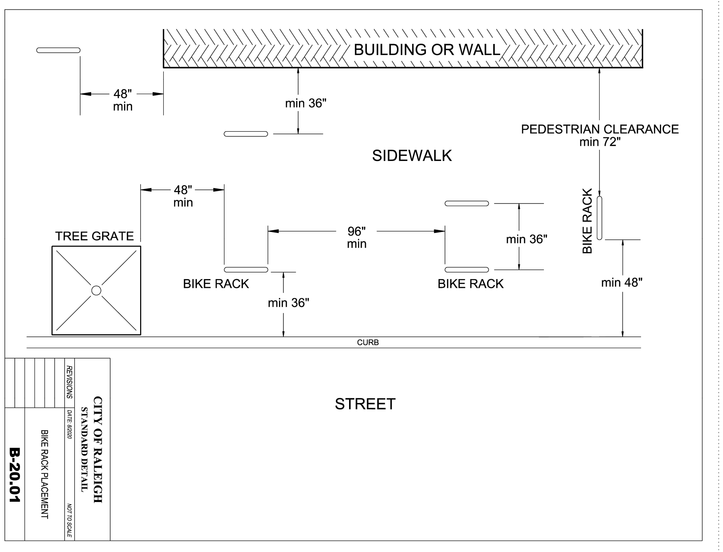
SCALE: 1" = 60'

ARROW

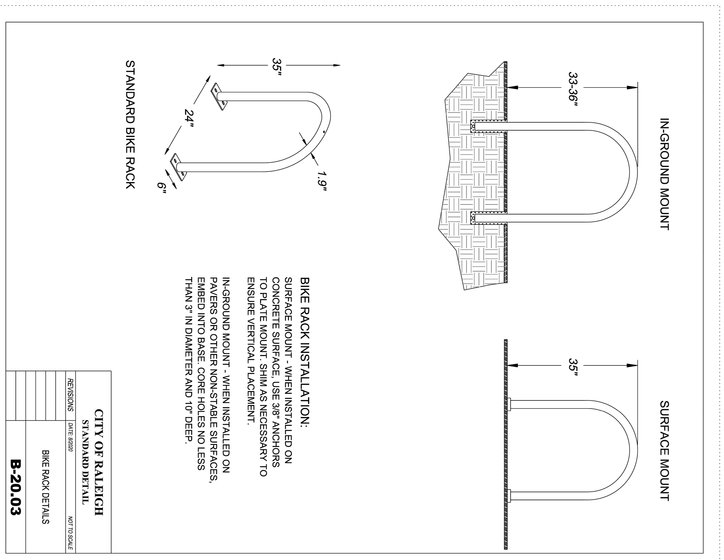
DATE: 04.28.2023
CHECKED BY: LAP
DRAWN BY: LAP
PROJECT: ROCK QUARRY ROAD SOUTH
PROJECT #: C202307

SHEET TITLE
FIRE PROTECTION PLAN

SHEET NO.
C6.20



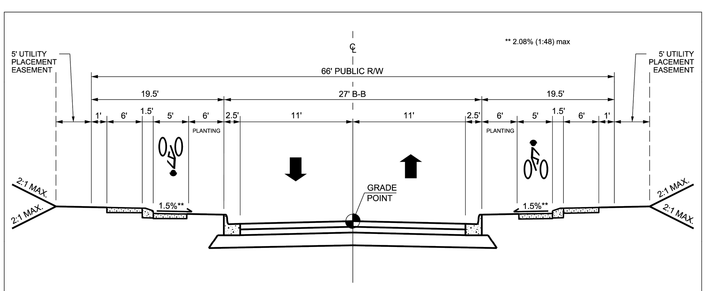
CITY OF RALEIGH
STANDARD DETAIL
REVISIONS | DATE 8/2020 | NOT TO SCALE
BIKE RACK PLACEMENT
B-20.01



BIKE RACK INSTALLATION:
SURFACE MOUNT - WHEN INSTALLED ON SURFACE MOUNT FLANGES SHALL BE CONCRETE SURFACE. USE MOUNT SHIM AS NECESSARY TO PLATE MOUNT TO ENSURE VERTICAL PLACEMENT.

IN-GROUND MOUNT - WHEN INSTALLED ON PAVERS OR OTHER NON-STABLE SURFACES, EMBED INTO BASE. CORE HOLES NO LESS THAN 3" IN DIAMETER AND 10" DEEP.

CITY OF RALEIGH
STANDARD DETAIL
REVISIONS | DATE 8/2020 | NOT TO SCALE
BIKE RACK DETAILS
B-20.03

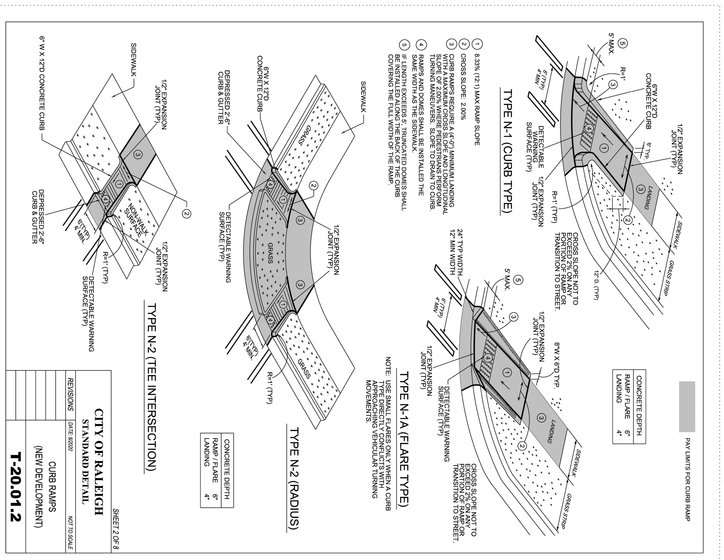


NOTE
1. THE BIKE LANE MATERIAL SHALL BE BLACK-DYED CONCRETE, SEE T-30.01.2.
2. THE BUFFER WIDTH BETWEEN THE SIDEWALK AND BIKE LANE IS A MAXIMUM AND MAY BE REDUCED AS LONG AS A) NOTE 3 IS MET AND B) THE TOTAL WIDTH OF THE SIDEWALK, BUFFER AND BIKEWAY IS 12'5.
3. THE BUFFER BETWEEN THE BIKE LANE AND THE SIDEWALK MUST BE DETECTABLE BY PEOPLE WITH VISION DISABILITIES. OPTIONS INCLUDE A ROLLED OR BEVELED CURB WHERE THE HEIGHT DIFFERENTIAL BETWEEN THE SIDEWALK AND BIKE LANE IS BETWEEN 2" AND 3" OR A DETECTABLE GUIDANCE SURFACE SET 1' OFF THE EDGE OF THE BIKEWAY IF THE SIDEWALK AND BIKEWAY ARE FLUSH
4. WHERE A CURB IS USED, THE CURB HEIGHT SHALL BE BETWEEN 8" AND 12" AND THE CURB WIDTH SHALL BE BETWEEN 6" AND 9". AN EXPANSION JOINT SHALL BE PROVIDED ON EACH SIDE OF THE CURB.
5. IN CONTEXTS WITH A LOW VOLUME OF PEDESTRIANS, THE SIDEWALK, BUFFER AND BIKE LANE CAN BE COMBINED INTO A 12.5' WIDE MULTI-USE PATH. PENDING THE APPROVAL OF THE OFFICE OF TRANSPORTATION PLANNING

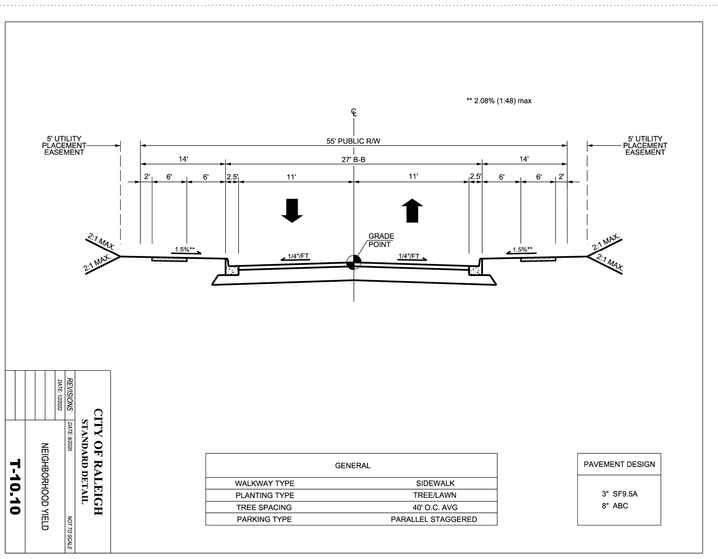
GENERAL	
WALKWAY TYPE	SIDEWALK
BIKEWAY TYPE	CURB-LEVEL BIKE LANE
PLANTING TYPE	TREE / LAWN
TREE SPACING	40' O.C. AVG
PARKING TYPE	NONE

STREET PAVEMENT DESIGN
3" S9.5B
3" I19.0B
8" ABC

CITY OF RALEIGH
STANDARD DETAIL
REVISIONS | DATE 8/2020 | NOT TO SCALE
AVENUE 2 LANE, UNDIVIDED
T-10.14



CITY OF RALEIGH
STANDARD DETAIL
SHEET 2 OF 8
REVISIONS | DATE 8/2020 | NOT TO SCALE
CURB RAMPS (NEW DEVELOPMENT)
T-20.01.2



GENERAL	
WALKWAY TYPE	SIDEWALK
PLANTING TYPE	TREE/LAWN
TREE SPACING	40' O.C. AVG
PARKING TYPE	PARALLEL STAGGERED

PAVEMENT DESIGN
3" SF9.5A
8" ABC

CITY OF RALEIGH
STANDARD DETAIL
REVISIONS | DATE 8/2020 | NOT TO SCALE
NEIGHBORHOOD YIELD
T-10.10

SHEET NO.
C9.00

DATE: 04.28.2023
CHECKED BY: LAP
DRAWN BY: LAP
PROJECT: ROCK QUARRY ROAD SOUTH
PROJECT #: C202307

SHEET TITLE
SITE DETAILS

ARROW

SCALE

VICINITY

No.	Date	Description

414 FAYETTEVILLE ST
RALEIGH NC 27601
FIRM LICENSE: P-2187

SWIFT PARTNERS

PLANT SCHEDULE

TREES	CODE	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	QTY	REMARKS
	ZB	Zelkova serrata `Burgundy Vase`	Burgundy Vase Zelkova	3" Cal.	B&B	86	Matching
	CB	Carpinus betulus	European Hornbeam	3" Cal.	B&B	104	
	TD	Taxodium distichum	Bald Cypress	1.5" Cal.	B&B	8	
	QL	Quercus lyrata	Overcup Oak	1.5" Cal.	Pot	34	Matching
	NS	Nyssa sylvatica 'Wildfire'	Black Gum	3" Cal.	B&B	38	
	UA	Ulmus parvifolia 'Allee'	Allee Lacebark Elm	3" Cal.	B&B	4	Matching
SHRUBS	**CODE**	**BOTANICAL NAME**	**COMMON NAME**	**SIZE**	**CONTAINER**	**QTY**	**REMARKS**
	MC	Myrica Cerifera	Wax Myrtle	5 gal.	Pot	37	
	CR	Clethra alnifolia 'Ruby Spice'	Ruby Spice Summersweet	3 gal.	Pot	93	
	MS	Magnolia Virginiana	Sweet Bay	1.5 gal.	Pot	128	
	IV	Itea Virginica	Virginia Sweetspire	3 gal.	Pot	150	
	IV2	Ilex vomitoria	Yaupon Holly	3 gal.	Pot	43	
GROUND COVERS	**CODE**	**BOTANICAL NAME**	**COMMON NAME**	**SIZE**	**CONTAINER**	**QTY**	**REMARKS**
	MT	Mulch Triple-Shredded		---		25,019 sf	Provide 2-4" depth in areas shown
	TT	Turf Seed Bermuda TifTuf	Bermuda grass	seed		14,116 sf	Seed in Spring

SWIFT PARTNE

414 FAYETTEVILLE ST
RALEIGH NC 27601
FIRM LICENSE: P-2187

[redacted]

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NOT FOR CONSTRUCTION

No. Date Description

VICINITY

SCALE

0 30 60 120

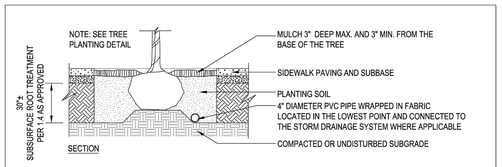
SCALE: 1" = 60'

ARROW

DATE: 04.28.2023
CHECKED BY:LAP
DRAWN BY:LAP
PROJECT: ROCK QUARRY ROAD SOUTH
PROJECT #: C202307

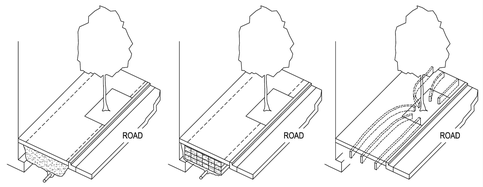
SHEET TITLE
PLANTING PLAN

SHEET NO.
L1.00



NOTES:

1. A SITE SPECIFIC PLAN MUST BE DEVELOPED TO ENSURE THAT:
   - 1.1. EACH TREE IS PROVIDED A MIN. ROOT-ACCESSIBLE SOIL VOLUME OF 600 CUBIC FEET.
   - 1.2. THE TREE ROOT AREA BENEATH THE SIDEWALK IS EXPANDED TO MAXIMIZE ROOT ACCESSIBLE SOIL SPACE UNDER THE PAVEMENT.
   - 1.3. CONNECT SOIL SPACE FOR ROOT EXPANSION WHERE POSSIBLE TO ALLOW ROOT SYSTEMS OF TREES TO OVERLAP AND COLONIZE A SHARED SOIL SPACE.
   - 1.4. ANY COMBINATION OF STRUCTURAL SOILS, SOIL CONTAINMENT SYSTEM (e.g., SILVA CELL), OR ROOT CHANNELING (e.g., SOIL STRIP DRAIN/AERATION SYSTEM) THAT PERFORMS AS SPECIFIED IS ACCEPTABLE.
3. 40' X 6' WIDTH MINIMUM APPLIES TO BOTH STRUCTURAL SOILS AND SUBSURFACE SOIL CONTAINMENT SYSTEMS.
4. SUBSURFACE APPLICATION SHALL BE REVIEWED AND APPROVED BY CITY OF RALEIGH PARKS, RECREATION AND CULTURAL RESOURCES URBAN FORESTRY DIVISION PRIOR TO INSTALLATION.

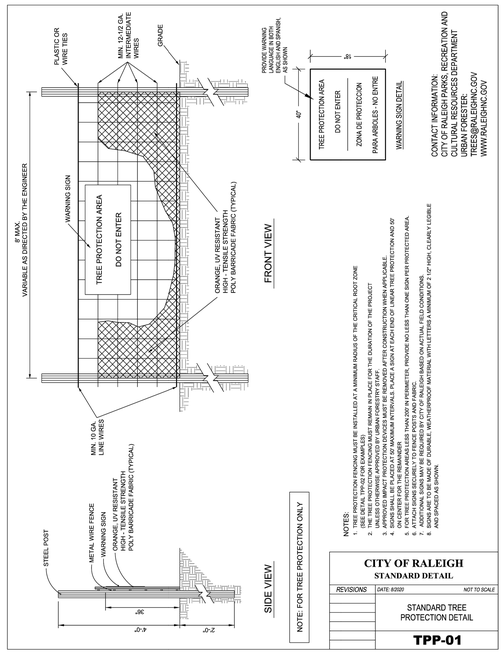


STRUCTURAL SOIL SYSTEM — SOIL CONTAINMENT SYSTEM — ROOT CHANNELING/PATHWAYS

CONTACT INFORMATION:
CITY OF RALEIGH PARKS, RECREATION AND CULTURAL RESOURCES DEPARTMENT
URBAN FORESTER: TREES@RALEIGHNC.GOV
WWW.RALEIGHNC.GOV

CITY OF RALEIGH
STANDARD DETAIL

REVISIONS	DATE: 8/2020	NOT TO SCALE
		TREE PLANTING IN SIDEWALK WITHIN ROW
		TPP-07



NOTES:
1. TREE PROTECTION FENCING MUST BE INSTALLED AT A MINIMUM RADIUS OF THE CRITICAL ROOT ZONE (SEE DETAIL TPP-02 FOR EXAMPLES).
2. THE TREE PROTECTION FENCE REMAIN IN PLACE FOR THE DURATION OF THE PROJECT UNLESS OTHERWISE APPROVED BY URBAN FORESTRY STAFF.
3. ALL APPROVED ACTIVITIES WITHIN THE TREE PROTECTION AREA AFTER CONSTRUCTION MAY BE PERMITTED.
4. SIGNS SHALL BE PLACED AT MAXIMUM INTERVALS. PLACE A SIGN AT EACH END OF LINEAR TREE PROTECTION AND 30' ON CENTER ALONG LONGER RUNS.
5. FOR TREE PROTECTION AREAS LESS THAN 200' IN PERIMETER, PROVIDE NO LESS THAN ONE SIGN PER PROTECTED AREA.
6. LOCATIONS SHOWN ARE FOR REFERENCE ONLY. FINAL LOCATIONS MAY VARY.
7. ADDITIONAL SIGNS MAY BE REQUIRED BY CITY OF RALEIGH BASED ON ACTUAL FIELD CONDITIONS.
8. SIGN PANELS MUST BE MADE OF DURABLE, WEATHERPROOF MATERIAL WITH LETTERING A MINIMUM OF 2 1/2" HIGH, CLEARLY LEGIBLE FROM A DISTANCE OF 50 FEET.

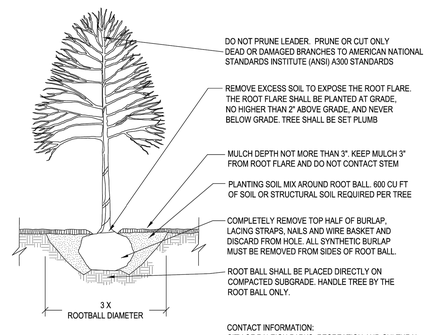
CITY OF RALEIGH
STANDARD DETAIL

REVISIONS	DATE: 8/2020	NOT TO SCALE
		STANDARD TREE PROTECTION DETAIL
		TPP-01

CONTACT INFORMATION:
CITY OF RALEIGH PARKS, RECREATION AND CULTURAL RESOURCES DEPARTMENT
URBAN FORESTER:
TREES@RALEIGHNC.GOV
WWW.RALEIGHNC.GOV

PLANTING NOTES:

1. DO NOT STAKE TREES EXCEPT WHERE SPECIFIED BY LANDSCAPE ARCHITECT. STAKING IS REQUIRED FOR TREES PLANTED ON SLOPES.
2. WHERE SEVERAL TREES WILL BE PLANTED CLOSE TOGETHER SUCH THAT THEY WILL LIKELY SHARE ROOT SPACE, TILL IN SOIL AMENDMENTS TO A DEPTH OF 4-6" OVER THE ENTIRE AREA.
3. FOR CONTAINER GROWN TREES, USE FINGERS OR SMALL HAND TOOLS TO PULL THE ROOTS OUT OF THE OUTER LAYER OF POTTING SOIL, THEN CUT OR PULL APART ANY ROOTS CIRCLING THE PERIMETER OF THE CONTAINER.
4. FOR FIELD GROWN TREES, CUT BURLAP, ROPE AND WIRE BASKET AWAY FROM TOP AND SIDES OF ROOT BALL.
5. THOROUGHLY SOAK THE TREE ROOT BALL AND ADJACENT PREPARED SOIL SEVERAL TIMES DURING THE FIRST MONTH AFTER PLANTING AND REGULARLY THROUGHOUT THE FOLLOWING TWO SUMMERS.
6. THE PLANTING PROCESS IS SIMILAR FOR DECIDUOUS AND EVERGREEN TREES.
7. DO NOT WRAP TRUNK; MARK NORTH SIDE OF TREE IN THE NURSERY AND LOCATE TO THE NORTH IN THE FIELD.
8. WIDTH OF PLANTING HOLE IS 3X ROOT BALL AT THE SURFACE, SLOPING TO 2X THE ROOT BALL DIAMETER AT THE DEPTH OF THE ROOT BALL.
9. BEFORE PLANTING, ADD 3-4" OF WELL COMPOSTED LEAVES, RECYCLED YARD WASTE OR OTHER COMPOST AND TILL INTO TOP 6" OF PREPARED SOIL. ADD COMPOST AT 20-35% BY VOLUME TO BACKFILL.
10. PERFORM PERCOLATION TEST FOR EACH TREE PIT TO CONFIRM THAT WATER DRAINS OUT OF THE SOIL. PROVIDE GRAVEL SUMP FILTER FABRIC & VENT PIPE IF DRAINAGE DOES NOT OCCUR WITHIN 24 HOURS. INCLUDE ALL SUMPS IN BASE BID. SHOULD SUMPS NOT BE NECESSARY AFTER PERCOLATION TEST, PROVIDE CHANGE ORDER DEDUCT TO OWNER.
11. IF PLANTING HOLES ARE DUG WITH A LARGE AUGER BREAKING DOWN THE SIDES WITH A SHOVEL CAN ELIMINATE GLAZING AND CREATE THE PREFERRED SLOPING SIDE.
12. TREES SHALL HAVE SINGLE LEADERS. TREES WITH 2 LEADERS WILL BE REJECTED.
13. DO NOT PLACE MULCH IN CONTACT WITH TRUNK.
14. PROVIDE GATOR BAGS FOR ALL TREES WHERE IRRIGATION IS NOT PROVIDED.



CONTACT INFORMATION:
CITY OF RALEIGH PARKS, RECREATION AND CULTURAL RESOURCES DEPARTMENT URBAN FORESTER:
TREES@RALEIGHNC.GOV
WWW.RALEIGHNC.GOV

NOTES:
1. TREES MUST MEET THE TREE QUALITY STANDARDS IN CH. 2 OF THE CITY TREE MANUAL.
2. CONTRACTOR IS RESPONSIBLE FOR ADEQUATE DRAINAGE OF ALL PLANTING PITS. (POSITIVE DRAINAGE AWAY FROM PIT)
3. TREES SHALL BE PLANTED BETWEEN OCTOBER 1ST AND APRIL 30TH.
4. A TREE IMPACT PERMIT IS REQUIRED.
5. ELECTRICAL OUTLETS AND OTHER UTILITIES ARE PROHIBITED IN THE PLANTING AREA IMMEDIATELY SURROUNDING THE TREE.
6. IF STAKING IN ACCORDANCE WITH THE CITY TREE MANUAL, THE STAKING MUST BE REMOVED WITHIN ONE YEAR.
7. TREES WILL HAVE A MINIMUM 1 YEAR WARRANTY AFTER THE INITIAL PLANTING IS APPROVED BY THE CITY.

CITY OF RALEIGH
STANDARD DETAIL

REVISIONS	DATE: 8/2020	NOT TO SCALE
10/2019		TREE PLANTING DETAIL
		TPP-03

SWIFT PARTNERS

414 FAYETTEVILLE ST
RALEIGH NC 27601
FIRM LICENSE: P-2187

No.	Date	Description

VICINITY

SCALE

ARROW

DATE: 04.28.2023
CHECKED BY: LAP
DRAWN BY: VS
PROJECT: ROCK QUARRY ROAD SOUTH
PROJECT #: C202307

SHEET TITLE
PLANTING DETAILS

SHEET NO.
L2.00