PEARCE FARM

BURLINGTON MILLS ROAD
TOWN OF ROLESVILLE, NORTH CAROLINA

PRELIMINARY PLAT PLANS

PROJECT NUMBER: AGN-23001

DATE: DECEMBER 1, 2023

1.) The project number is PSP-23-04 for TOR

PARCEL OWNER LIST		
PIN	OWNER	AREA
1748891680	POGE LLC ESNE LLC PO BOX 97487 RALEIGH NC, 27624-7487	171.9233 AC.
1758081893	POGE LLC ESNE LLC PO BOX 97487 RALEIGH NC, 27624-7487	33.7998 AC.
1768051864	POGE LLC ESNE LLC PO BOX 97487 RALEIGH NC, 27624-7487	17.1034 AC.

DEVELOPER

ALLIANCE GROUP OF NC, LLC
7208 FALLS OF NEUSE RD, SUITE 101
RALEIGH, NC 27615
CONTACT: JACOB ANDERSON
PHONE: 919-239-9486

SURVEY BY:

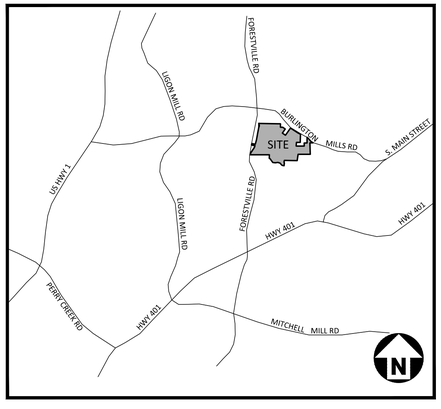
BASS, NIXON & KENNEDY, INC. CONSULTING ENGINEERS
6310 CHAPEL HILL ROAD, SUITE 250, RALEIGH, NC 27607
ALTA SURVEY NOVEMBER 13, 2023

DAN GREGORY, PROFESSIONAL LAND SURVEYOR
NC LICENSE # L-5240
919-851-4422

SURVEY NOTES

1. AREAS BY COORDINATE GEOMETRY UNLESS SHOWN OTHERWISE.
2. ALL DISTANCES ARE HORIZONTAL GROUND DISTANCES.
3. ALL STREETS ARE PUBLIC RIGHTS-OF-WAY UNLESS SHOWN OTHERWISE.
4. NO NCGS MONUMENT WITHIN 2,000 FEET OF PROPERTIES.
5. A PORTION OF THE PROPERTIES LIES IN A FEMA FLOOD HAZARD AREA PER FIRM NUMBERS 3720174800K, 3720174900K & 3720175800K DATED JULY 19, 2022.
6. PROPERTIES ARE IN WAKE COUNTY AND TOWN OF ROLESVILLE ETJ AS SHOWN.
7. PROPERTIES ARE ZONED "R-30" & "RL" AS SHOWN.
8. PROPERTY MAY BE SUBJECT TO NEUSE RIVER BUFFERS.
9. BUFFER DELINEATION TO BE DETERMINED BY DWR BEFORE FINAL APPROVAL.
10. THE COORDINATES SHOWN ON THIS PLAT WERE DERIVED BY VRS (VIRTUAL REFERENCE STATION) GPS USING DUAL FREQUENCY RECEIVER. THIS METHOD RESULTS IN (NAD 1983/2011) - (CORS 96) POSITIONS AND NAVD 88 (MSL) ELEVATIONS USING THE CONTINUOUSLY OPERATING STATIONS MAINTAINED BY NORTH CAROLINA GEODETIC SURVEY.
11. ITEM 6(A) & 6(B) - NO ZONING REPORT PROVIDED AT THIS TIME.
12. ITEM 9 - THERE ARE NO DELINEATED PARKING SPACES ON SUBJECT PROPERTY.
13. ITEM 16 - NO OBSERVED EVIDENCE OF CURRENT EARTH MOVING WORK, BUILDING CONSTRUCTION OR BUILDING ADDITIONS.
14. ITEM 17 - NO OBSERVED EVIDENCE OF RECENT STREET OR SIDEWALK CONSTRUCTION OR REPAIRS.
15. WETLANDS DELINEATED BY CAROLINA ECOSYSTEMS, INC. DATED AUGUST 2015.

NOTE: THE LOCATIONS OF UNDERGROUND UTILITIES AS SHOWN HEREON ARE BASED ON OBSERVED ABOVE GROUND STRUCTURES, FIELD MARKINGS AND DRAWINGS PROVIDED TO THE SURVEYOR. LOCATIONS OF UNDERGROUND UTILITIES/STRUCTURES MAY VARY FROM LOCATIONS SHOWN HEREON. ADDITIONAL BURIED UTILITIES/STRUCTURES MAY BE ENCOUNTERED. NO EXCAVATIONS WERE MADE DURING THE PROGRESS OF THIS SURVEY TO LOCATE BURIED UTILITIES/STRUCTURES. BEFORE EXCAVATIONS ARE BEGUN, FIEDL LOCATIONS AND THE UTILITIES/STRUCTURES SHOULD BE VERIFIED.



VICINITY MAP
N.T.S.

SITE DATA

PIN(S)	1748891680, 1758081893, 1748884104	
REID(S)	0318100, 0325091, 0063677	
BOOK OF MAPS/ DEED REFERENCE	TRACT 1 (1748891680): DB. 11033 PG. 85 DB. 14427 PG. 1034 BM. 2015 PG. 2033 BM. 2016 PG. 1918 TRACT 2 (1758081893): DB. 11146 PG. 339 BM. 1997 PG. 1970 BM. 2015 PG. 2033 TRACT 3 (1748884104): DB. 11180 PG. 1815	
SITE AREA	222.83 AC (9,706,323 SF)	
CURRENT ZONING	RM-CZ	
RIVER BASIN	NEUSE	
CURRENT USES	1748891680: VACANT 1758081893: VACANT 1748884104: FORESTRY	
PROPOSED USES	SINGLE FAMILY DETACHED	
CURRENT IMPERVIOUS	17,873 SF	
PROPOSED IMPERVIOUS	3,987855 SF	
VEGETATION PRESERVATION	REQUIRED	222.83 AC x 10% = 22.28 AC
	PROVIDED	23.41 AC (PRESERVED)
MAX. DENSITY PER APPROVED ZONING	2.70 DU/AC	
PROPOSED DENSITY	2.50 DU/AC (557 DU/222.83 AC)	

LOT DEVELOPMENT STANDARDS

	REQUIRED (PER LDO)	PROPOSED (PER APPROVED ZONING)
FRONT SETBACK	20'	20'
SIDE SETBACK	5'	5'
CORNER SETBACK	10'	10'
REAR SETBACK	20'	20'
LOT AREA	5,000 SF (MIN)	5,000 SF-7,500 SF
BUILDING HEIGHT	35' (MAX)	35' (MAX)

GENERAL DISTRICT CONDITIONS

1. THE FOLLOWING USES OTHERWISE PERMITTED IN THE DISTRICT ARE PROHIBITED: (I) MAJOR UTILITY, EXCLUDING CITY OF RALEIGH PUBLIC UTILITIES OR OTHER PUBLIC OR PRIVATE UTILITIES REQUIRED BY THE TOWN OF ROLESVILLE FOR PUBLIC BENEFIT (I.E. WATER TOWER), AND (II) TELECOMMUNICATION TOWER.
2. THE SUBJECT PROPERTY SHALL BE DEVELOPED GENERALLY IN ACCORDANCE WITH THE CONCEPT PLAN ATTACHED HERETO AND INCORPORATED HEREIN AS IF FULLY SET OUT.
3. THE SUBJECT PROPERTY SHALL BE DEVELOPED IN ACCORDANCE WITH THE ARCHITECTURAL REQUIREMENTS ATTACHED HERETO AND INCORPORATED HEREIN AS IF FULLY SET.
4. THE SUBJECT PROPERTY SHALL BE DEVELOPED IN ACCORDANCE WITH THE TRANSPORTATION IMPROVEMENTS ATTACHED HERETO AND INCORPORATED HEREIN AS IF FULLY SET OUT.
5. TOTAL RESIDENTIAL DENSITY SHALL NOT EXCEED 2.7 UNITS PER ACRE.
6. A HOMEOWNERS ASSOCIATION (HOA) SHALL BE ESTABLISHED IN ACCORDANCE WITH THE ROLESVILLE LAND DEVELOPMENT ORDINANCE. HOA DOCUMENTS MUST BE RECORDED WITH THE FIRST FINAL PLAT.
7. A MAIN CENTRAL AMENITY WILL BE CONSTRUCTED WITH DEVELOPMENT OF THESE PROPERTIES AND SHALL INCLUDE AT LEAST (I) CLUBHOUSE, (II) POOL, (III) PICKLEBALL COURTS, (IV) GRILLING STATION(S) AND/OR FIRE PIT(S) AND (V) OTHER RECREATIONAL OUTDOOR ACTIVITIES FOR RESIDENTS OF THE DEVELOPMENT (COLLECTIVELY, THE "AMENITY FACILITY").
8. IN ADDITION TO THE APPROXIMATELY 4,500-FEET OF GREENWAY, AS DEPICTED ON THE MASTER PLAN, DEVELOPMENT SHALL PROVIDE AT LEAST THE SAME LENGTH OF PRIVATE TRAILS (>4,500-FEET) TO CONNECT PROGRAMMED OPEN SPACES WITHIN THE PROPERTIES.
9. OPEN SPACE THROUGHOUT THE DEVELOPMENT SHALL INCLUDE:
   - GARBAGE AND PET WASTE RECEPTACLES TO BE MAINTAINED BY THE HOA.
   - REESTABLISHMENT OF GROUND COVER, SHRUBBERY, AND TREE PLANTINGS USING ONLY NATIVE SPECIES, AND TO SPECIFICALLY INCLUDE LOW-TO-NO MAINTENANCE PLANTINGS ON SLOPES GREATER THAN 4:1, ESPECIALLY PERENNIAL FLOWERING AND FRUIT-BEARING GROUNDCOVER AND TREE SPECIES WHICH PROVIDE FOOD AND HABITAT FOR POLLINATORS.
10. AT THE TIME OF THE RECORDING OF THE FIRST PLAT ADJOINING ANY PORTION OF 2017 FORESTVILLE ROAD (WAKE PIN: 174-869-4159), APPROXIMATELY 4 ACRES OF THIS PARCEL SHALL BE DEDICATED TO THE TOWN AS SHOWN ON THE CONCEPT PLAN. IN ADDITION, AT THE TIME OF THE RECORDING OF THE FIRST PLAT ADJOINING ANY PORTION OF 4124 BURLINGTON MILLS ROAD (WAKE PIN: 1749-80-8878), APPROXIMATELY 5 ACRES OF THIS PARCEL SHALL BE DEDICATED TO THE TOWN AS SHOWN ON CONCEPT PLAN. THESE AREAS SHALL BE DEDICATED AS PUBLIC PARK SPACE SUBJECT TO VARIOUS GRADING, LANDSCAPE, SLOPE, ROADWAY, PEDESTRIAN ACCESS, AND UTILITY EASEMENTS, ETC. AS MAY BE MUTUALLY BENEFICIAL TO THE DEVELOPMENT AND/OR THE TOWN FOR COMPLETION OF THE DEVELOPMENT AND/OR THE PARK SPACE.
11. AT THE TIME OF THE RECORDING OF THE FIRST PLAT DEDICATING ACCESS "B" UPON THE ADJOINING PARCEL KNOWN AS 4124 BURLINGTON MILLS ROAD (WAKE PIN: 1749-80-8878) AS SHOWN ON THE CONCEPT PLAT, ACCESS "B" SHALL BE CONSTRUCTED ACROSS SAID ADJOINING PARCEL THROUGH THE PUBLIC ACCESS EASEMENT.
12. PRIOR TO ISSUANCE OF THE 175TH BUILDING PERMIT FOR A HOME, A BUILDING PERMIT SHALL BE SUBMITTED FOR THE MAIN AMENITY FACILITY. THE MAIN AMENITY FACILITY SHALL BE SUBSTANTIALLY COMPLETE PRIOR TO ISSUANCE OF THE 325TH BUILDING PERMIT.
13. PRIOR TO THE ISSUANCE OF THE 175TH BUILDING PERMIT, THE EAST-WEST COLLECTOR STREET SHALL BE SUBSTANTIALLY COMPLETE AND OPEN FOR PUBLIC VEHICULAR SERVICE FROM ACCESS A (FORESTVILLE RD) TO ACCESS C (BURLINGTON MILLS RD).
14. CONSTRUCTION DOCUMENTS FOR THE PROPERTY TO INCLUDE ON-LOT GRADING INCLUDING (I) PROPOSED FINISHED FLOOR ELEVATIONS, (II) 4-CORNER FINISHED-PAD SPOT ELEVATIONS, (III) 1-FOOT CONTOURS OF THE PROPOSED GRADES, (IV) PROPOSED HIGH POINT(S), (V) PROPOSED SWALE DIRECTIONS, SPOT ELEVATIONS, AND SLOPES AT NOT LESS THAN 2%, AND (VI) OTHER INFORMATION AS NECESSARY TO DEMONSTRATE FUTURE FEASIBILITY OF COMPLIANCE WITH SECTION R401.3 OF THE NC RESIDENTIAL CODE.
15. AFTER HOME CONSTRUCTION, EACH LOT SHALL HAVE NOT LESS THAN: (I) 3 LARGE SHRUBS AND 6 SMALL SHRUBS BETWEEN THE R.O.W. AND THE FRONT FACADE OF THE HOME, AND (II) 1 LARGE SHRUB AND TOW SMALL SHRUBS IN THE REAR YARD OF THE HOME. LARGE SHRUBS SHALL BE THOSE WHOSE MATURE SIZE IS 5'-8' IN HEIGHT, AND SHALL BE PLANTED AT NOT LESS THAN 30" IN HEIGHT. SMALL SHRUBS SHALL BE THOSE WHOSE MATURE SIZE IS 2'-4" IN HEIGHT, AND SHALL BE PLANTED AT NOT LESS THAN 20" IN HEIGHT.
16. PRIOR TO THE ISSUANCE OF THE 325TH BUILDING PERMIT, A SINGLE FAMILY DETACHED LOT SHALL BE DEVELOPED AND DONATED AS PART OF WOUNDED WARRIOR HOMES, OPERATION COMING HOME, OPERATION FINALLY HOME, OR SIMILAR ORGANIZATION PROVIDING HOMES TO VETERANS. DEVELOPER AND BUILDER SHALL BE ENTITLED TO A WAIVER OF ALL TOWN OF ROLESVILLE PERMIT FEES OF THIS HOME.

OPEN SPACE / TRAILS SUMMARY

TOTAL PROJECT AREA	222.83 AC
TOTAL OPEN SPACE REQUIRED PER ZONING	91.00 AC
TOTAL OPEN SPACE PROVIDED	91.86 AC
DEVELOPED/ACTIVE RECREATION OPEN SPACE	PROVIDED: 22.15 AC (24.34% OF TOTAL OPEN SPACE)
PROGRAMMED/PASSIVE OPEN SPACE (EXCLUDES WETLANDS, FLOODPLAINS, FLOODWAYS, STEEP SLOPES, ROCK OUTCROPS ENVIRONMENTAL AREAS)	PROVIDED: 45.69 AC (50.21%)
UNPROGRAMMED OPEN SPACE (INCLUDES WETLANDS, FLOODPLAINS, FLOODWAYS, STEEP SLOPES, ROCK OUTCROPS, ENVIRONMENTAL AREAS)	PROVIDED: 18.20 AC (MAX. 20.00% OF TOTAL OPEN SPACE ALLOWED)
STORMWATER CONTROL MEASURES	5.82 AC (50% OF PASSIVE OPEN SPACE MAX.
ROLESVILLE PUBLIC GREENWAY TRAIL LINEAR FEET	PROPOSED: 4,500 LF (MIN.)
PRIVATE SOFT SURFACE TRAIL LINEAR FEET	PROPOSED: 4,500 LF (MIN.)
TOTAL VEGETATION PRESERVATION REQUIRED	222.83 AC X 10% = 22.28 AC
TOTAL VEGETATION PRESERVATION PROVIDED	23.41 AC

PARKING TABLE

	REQUIRED (PER LDO)	PROVIDED
DWELLING, SINGLE FAMILY	1,118 SPACES (2.0 X 559 DU)	1,118 SPACES (2.0 X 559 DU)
GUEST PARKING	140 SPACES (0.25 X 559 DU)	140 SPACES (0.25 X 559 DU)
* GUEST PARKING INCLUDES ON-STREET PARKING WITHIN PUBLIC ROW: 126 SPACES		

ARCHITECTURAL STANDARDS

- FOUNDATIONS WILL BE CRAWL SPACE OR RAISED SLAB WHICH VARY IN HEIGHT BASED ON TOPOGRAPHY AND DRAINAGE REQUIREMENTS. FOUNDATIONS WILL BE CONSTRUCTED AT A MINIMUM HEIGHT OF 18" IN NOT LESS THAN ONE LOCATION ON ANY HOME.
- FOUNDATIONS WILL BE BRICK OR STONE VENEERED ON THE FRONT ELEVATION OF ALL HOMES AND ON THE SIDE ELEVATION ON CORNER LOTS.
- ALL SINGLE-FAMILY DETACHED HOMES WILL BE CONSTRUCTED WITH A FRONT PORCH WITH A MINIMUM PORCH DEPTH OF 6'.
- EXTERIOR WALL MATERIALS MAY INCLUDE WOOD, SYNTHETIC WOOD, CEMENTITIOUS MATERIALS (HORIZONTAL SIDING, SHAKES, BOARD AND BATTEN), BRICK AND/OR STONE . FRONT FACADES AND THE SIDE ELEVATIONS ON CORNER LOTS WILL INCLUDE A MINIMUM OF TWO OF THESE MATERIALS.
- ANY PRIMARY ROOF PITCH FACING A STREET WILL BE GREATER THAN OR EQUAL TO 5:12 AND WILL BE CLAD IN ARCHITECTURAL ROOF SHINGLES. SECONDARY OR ACCENT ROOF PITCHES WILL BE GREATER THAN OR EQUAL TO 3:12 AND MAY BE CLAD IN ARCHITECTURAL SHINGLES OR METAL ROOFING MATERIALS.
- THERE WILL BE NO UNINTERRUPTED BUILDING PLANTS GREATER THAN 30' WHICH FACE A STREET, INCLUDING THE SIDE ELEVATIONS ON CORNER LOTS.
- THE DEPTH OF EAVES WILL BE A MINIMUM OF 6" EXCEPT FOR BAY WINDOW OR SIMILAR FACADE PROJECTIONS WHICH MAY HAVE EAVES OF NOT LESS THAN 2".
- GARAGE DOORS WILL INCLUDE GLASS INSERTS FOR ALL FRONT-ENTRY GARAGE HOMES. GLASS DESIGN WILL VARY, PER PLAN.
- ALL WINDOWS, SOFFITS, EAVES, SHUTTERS, FACIA, AND OTHER EXTERIOR TRIMS WILL BE CONSTRUCTED OF WEATHER-RESISTANT MATERIALS INCLUDING CEMENTITIOUS, VINYL, SYNTHETIC, OR METAL PRODUCTS.
- TO ENSURE ARCHITECTURAL DIVERSITY AND A VARIED STREETSCAPE IN THE COMMUNITY, NO FLOOR PLAN AND ELEVATION WILL BE REPEATED ON ADJOINING LOTS OR HOMES DIRECTLY ACROSS THE STREET FROM ONE ANOTHER. THE FRONT ELEVATIONS OFFERED WILL DIFFER WITH RESPECT TO THE FOLLOWING: (1) WALL MATERIALS AND SIDING CONFIGURATIONS, (2) PORCH ARCHITECTURE AND WIDTH, (3) MASONRY TYPES OR SELECTIONS, (4) ROOFLINES AND ROOFING SELECTIONS, (5) WINDOW SIZE, PLACEMENT AND GRILLE STYLES, AND (6) EXTERIOR COLOR PALETTES.

TRANSPORTATION IMPROVEMENTS

PRIOR TO THE ISSUANCE OF THE 100TH CERTIFICATE OF OCCUPANCY (C.O) FOR THE PROJECT:

BURLINGTON MILLS ROAD AT FORESTVILLE ROAD:
- CONSTRUCT AN EXCLUSIVE WESTBOUND RIGHT-TURN LANE WITH 150' OF STORAGE.
- CONSTRUCT AN EXCLUSIVE SOUTHBOUND RIGHT-TURN LANE WITH 200' OF STORAGE.
- EXTEND THE EXISTING SOUTHBOUND LEFT-TURN LANE TO PROVIDE 300' OF STORAGE.
- EXTEND THE EXISTING WESTBOUND LEFT-TURN LANE TO PROVIDE 225' OF STORAGE.
- EXTEND THE EXISTING NORTHBOUND LEFT-TURN LANE TO PROVIDE 225' OF STORAGE.
- EXTEND THE EXISTING EASTBOUND LEFT-TURN LANE TO PROVIDE 575' OF STORAGE.

PRIOR TO THE ISSUANCE OF ANY C.O. FOR THE PHASE OF DEVELOPMENT WHICH INCLUDES ACCESS A:

FORESTVILLE ROAD AT ACCESS A:
- CONSTRUCT AN EXCLUSIVE NORTHBOUND RIGHT-TURN LANE WITH 100' OF STORAGE.
- CONSTRUCT AN EXCLUSIVE SOUTHBOUND LEFT-TURN LANE WITH 100' OF STORAGE.
- MONITOR INTERSECTION FOR SIGNAL WARRANTS AND INSTALL IF/WHEN WARRANTED.

FORESTVILLE ROAD FRONTAGE:
- CONSTRUCTION OF ½ OF THE PLANNED ULTIMATE ROADWAY SECTION ALONG THE SITE FRONTAGE ON FORESTVILLE ROAD. THE ULTIMATE SECTION FOR FORESTVILLE ROAD CONSISTS OF A 4-LANE MEDIAN DIVIDED ROADWAY WITH SIDEPATHS.

PRIOR TO THE ISSUANCE OF ANY C.O. FOR THE PHASE OF DEVELOPMENT WHICH INCLUDES ACCESS B, C, OR D:

BURLINGTON MILLS ROAD:
- CONSTRUCTION OF ½ OF THE PLANNED ULTIMATE ROADWAY SECTION ALONG THE SITE FRONTAGE ON BURLINGTON MILL ROAD. THE ULTIMATE SECTION FOR BURLINGTON MILLS ROAD CONSISTS OF A 4-LANE MEDIAN DIVIDED ROADWAY WITH BIKE LANES AND SIDEWALKS.

PRIOR TO THE ISSUANCE OF ANY C.O. FOR THE PHASE OF DEVELOPMENT WHICH INCLUDES ACCESS B:

BURLINGTON MILLS ROAD AT ACCESS B:
- CONSTRUCT AN EXCLUSIVE EASTBOUND RIGHT TURN LANE WITH 50' OF STORAGE.

PRIOR TO THE ISSUANCE OF ANY C.O. FOR THE PHASE OF DEVELOPMENT WHICH INCLUDES ACCESS C:

BURLINGTON MILLS ROAD AT ACCESS C/CENTAUR ROAD:
- CONSTRUCT AN EXCLUSIVE EASTBOUND RIGHT TURN LANE WITH 50' OF STORAGE.
- CONSTRUCT AN EXCLUSIVE WESTBOUND LEFT-TURN LANE WITH 50' OF STORAGE.

PRIOR TO THE ISSUANCE OF ANY C.O. FOR THE PHASE OF DEVELOPMENT WHICH INCLUDES ACCESS D:

BURLINGTON MILLS ROAD AT ACCESS D/HUNTINGCREEK DRIVE:
- CONSTRUCT AN EXCLUSIVE EASTBOUND RIGHT TURN LANE WITH 50' OF STORAGE.
- CONSTRUCT AN EXCLUSIVE WESTBOUND LEFT-TURN LANE WITH 50' OF STORAGE.

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TRC PSP-23-04 memo, comments

TRC, comments requirements for future CD

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AGNC
BROKERAGE | CONSULTING | PLANNING

PROJECT DIRECTORY

PSP-23-04

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

REVISIONS

NO.	DATE	
1	04. 01. 2024	REVISED PER TOWN COMMENTS

PRELIMINARY PLAT PLANS FOR:

PEARCE FARM
ROLESVILLE, NORTH CAROLINA
PROJECT NUMBER: AGN-23001

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

M:\Projects\AGN\AGN23001\04-Production\Engineering\Preliminary Subdivision Plat\Current Drawings\AGN23001-CS1.dwg, 4/1/2024 12:52:54 PM, Sherrill Williams

SITE PLAN NOTES

1. ALL CONSTRUCTION SHALL CONFORM TO THE LATEST TOWN OF ROLESVILLE AND/OR NCDOT STANDARDS AND SPECIFICATIONS AS APPLICABLE.
2. ALL DIMENSIONS SHOWN ON SITE PLAN ARE MEASURED TO BACK OF CURB UNLESS OTHERWISE NOTED.
3. CONTRACTOR SHALL MAINTAIN AN "AS-BUILT" SET OF DRAWINGS TO RECORD THE EXACT LOCATION OF ALL PIPING PRIOR TO CONCEALMENT. DRAWINGS SHALL BE GIVEN TO THE ENGINEER UPON COMPLETION OF THE PROJECT WITH A COPY OF THE TRANSMITTAL LETTER TO THE OWNER.
4. EXISTING IMPROVEMENTS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED/RESTORED TO THEIR ORIGINAL CONDITION AND TO THE SATISFACTION OF THE OWNER, BY THE CONTRACTOR RESPONSIBLE FOR THE DAMAGE.
5. THE CONTRACTOR SHALL NOTE THAT THE DRAWINGS MAY NOT SHOW EVERY OFFSET, TRANSITION, FITTING, ETC. THAT MAY BE REQUIRED. THE CONTRACTOR SHALL INSTALL SUCH STANDARD APPURTENANCES AS REQUIRED TO CLOSELY FOLLOW THE GRADES AND ALIGNMENTS DEPICTED ON THE PLANS.
6. CONTRACTOR SHALL NOTIFY "NC811" (811) OR (1-800-632-4949) AT LEAST 3 FULL BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED. CONTRACTOR SHALL CONTACT ANY LOCAL UTILITIES THAT PROVIDE THEIR OWN LOCATOR SERVICES INDEPENDENT OF "NC811". REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.
7. CONTRACTOR IS RESPONSIBLE FOR COORDINATING CONSTRUCTION ACTIVITIES WITH THE APPROPRIATE UTILITY COMPANIES FOR ANY REQUIRED RELOCATIONS (I.E. POWER POLES, TELEPHONE PEDESTALS, WATER METERS, ETC.).
8. ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION, FOR NECESSARY PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR ANY WORK DONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
9. ACCESSIBLE RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH NCDOT AND/OR CITY OF RALEIGH DETAILS.
10. ALL SIDEWALKS THAT CONNECT TO THE PUBLIC RIGHT-OF-WAY MUST BE ACCESSIBLE TO PERSONS WHO ARE BLIND, HAVE LOW VISION AND PEOPLE WITH MOBILITY DISABILITIES. PEDESTRIAN EXISTING ROUTES AND ALTERNATE PEDESTRIAN ROUTES DURING CONSTRUCTION WILL BE REQUIRED TO BE COMPLIANT WITH THE PUBLIC RIGHTS OF WAY ACCESSIBILITY GUIDELINES (PROWAG), 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
11. TYPICAL PAVEMENT SECTION DETAILS ARE SHOWN WITHIN THIS SET AND INTENDED TO BE A MINIMUM PAVEMENT SECTION REQUIREMENT. THE CURRENT GEOTECHNICAL REPORT SHALL OVER-RIDE ALL TYPICAL PAVEMENT SECTIONS SHOWN, IF THE GEOTECHNICAL ENGINEER DEEMS A HEAVIER SECTION IS REQUIRED.
12. EQUIPMENT AND PRODUCTS OTHER THAN THOSE SPECIFIED MAY BE USED PROVIDED APPROVAL HAS BEEN OBTAINED FROM THE OWNER IN WRITING PRIOR TO ORDERING OR INSTALLATION. THE CONTRACTOR SHALL WAIVE ANY CLAIM FOR ADDITIONAL COST RELATED TO SUBSTITUTION OF ALTERNATE EQUIPMENT.
13. ALL SIGNAGE ASSOCIATED WITH THE PUBLIC STREET SYSTEM SHALL ADHERE TO MUTCD STANDARDS AND SPECIFICATIONS.

STORM DRAINAGE NOTES

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

NOTES:

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

RETAINING WALL NOTES

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

GRADING NOTES

1. ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION, FOR NECESSARY PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR ANY WORK DONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
2. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS, FINAL RULE 29CFR PART 1926, SUBPART "P" APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH. EXCAVATION EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRES THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER, PROVIDED BY CONTRACTOR RESPONSIBLE FOR EXCAVATION.
3. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TOWN OF ROLESVILLE AND/OR NCDOT STANDARDS AND SPECIFICATIONS AS APPLICABLE.
4. CONTRACTOR SHALL NOTIFY "NC811" (811) OR (1-800-632-4949) AT LEAST 3 FULL BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED. CONTRACTOR SHALL CONTACT ANY LOCAL UTILITIES THAT PROVIDE THEIR OWN LOCATOR SERVICES INDEPENDENT OF "NC811". REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.
5. CONSTRUCTION, MAINTENANCE AND REMOVAL OF ALL EROSION CONTROL DEVICES ARE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. TIMING OF REMOVAL SHALL BE COORDINATED WITH THE EROSION CONTROL INSPECTOR.
6. EXISTING UTILITIES AND STRUCTURES SHOWN, BOTH UNDERGROUND AND ABOVE GROUND, ARE BASED ON A FIELD SURVEY AND THE BEST AVAILABLE RECORD DRAWINGS. THE CONTRACTOR SHALL VERIFY FIELD CONDITIONS PRIOR TO BEGINNING RELATED CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
7. SOIL UNDER BUILDINGS, PAVED AREAS AND WITHIN SLOPES GREATER THAN 3:1 (H:V) SHALL BE APPROVED, PLACED AND COMPACTED AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.

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

SIGNAGE NOTES

1. ALL SIGNAGE INSTALLED SHALL CONFORM TO TO STANDARDS SET FORTH BY THE LATEST PUBLISHED EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION (NCDOT) STANDARD CONSTRUCTION DRAWINGS.
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 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 ONE-INCH (1 IN.) SPACING FOR THE ENTIRE LENGTH OF THE POST.
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. 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.

   C. STREET MARKERS SHALL BE DESIGNED IN A STACKED CONFIGURATION AND LOCATED IN A MANNER FOR VIABILITY 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-NCH 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 STREET NAME SHALL APPEAR CENTERED VERTICALLY ON THE LEFT 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" LONG CROSS MOUNT FOR FLAT BLADE STREET SIGNS AND ONE 12" LONG "U" CHANNEL OR SQUARE POST BRACKET FOR FLAT BLADE STREET NAME SIGNS. STREET MARKERS FOR DIFFERENT STREETS SHALL BE PLACED AT RIGHT ANGLES. THE STREET MARKER ASSEMBLY SHALL BE MOUNTED TO THE "U" CHANNEL OR SQUARE POST OVER 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.

   H. THE LENGTH OF THE STREET MARKER IS VARIABLE DEPENDING ON THE LENGTH OF THE STREET NAME, BUT SHOULD CONFORM TO THE TABLE. THE HEIGHT OF THE STREET MARKER SHOULD BE 9-INCHES.
7. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC MATERIAL.

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

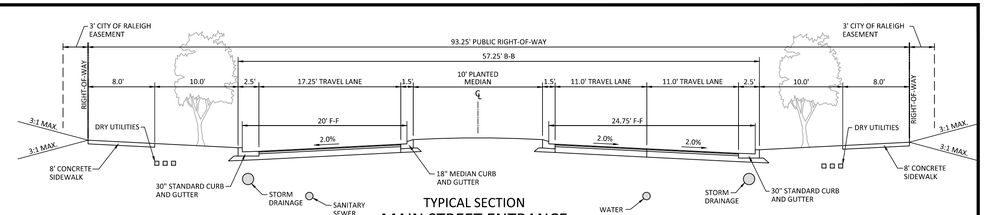
* NUMBER OF LETTERS REFERS TO THE NAME OF THE STREET, NOT THE ABBREVIATION FOR ROAD, DRIVE, STREET, ETC.

MAIL KIOSK CALCULATIONS

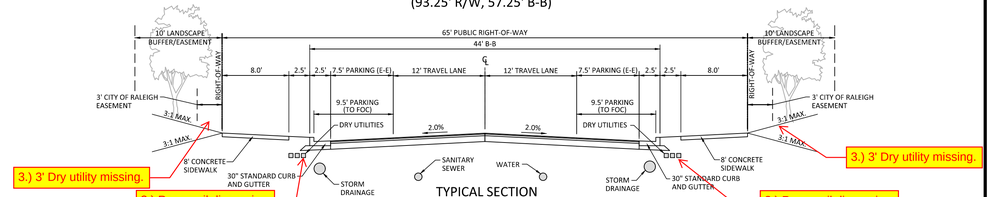
NUMBER OF MAIL BOXES(UNITS)	REQUIRED PARKING SPACES
52 OR LESS	2
53-78	3
79-104	4
105 OR MORE	4 PLUS 1 PER EACH ADDITIONAL 26 MAILBOXES

MAIL KIOSK AREA (MAIN AMENITY)
MAIL KIOSK CALCULATION:
558 UNITS @ 16 UNITS/KIOSK (CBU) = 35 KIOSKS (CBUs)

MAIL KIOSK PARKING: 558 UNITS
REQUIRED: 22 SPACES
PROVIDED: 22 SPACES (5 VAN ACCESSIBLE)

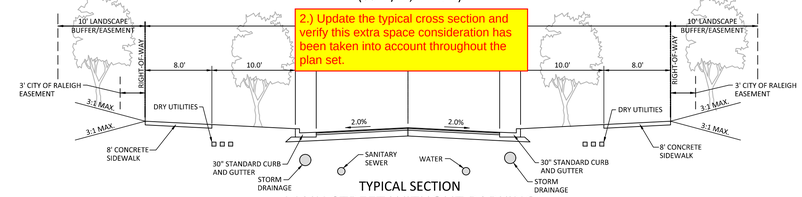


TYPICAL SECTION
MAIN STREET ENTRANCE
(93.25' R/W, 57.25' B-B)

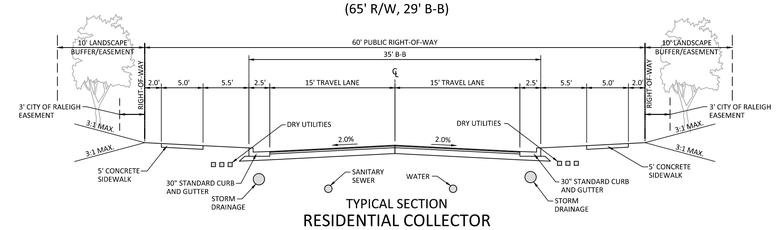


TYPICAL SECTION
MAIN STREET WITH PARKING
(65' R/W, 44' B-B)

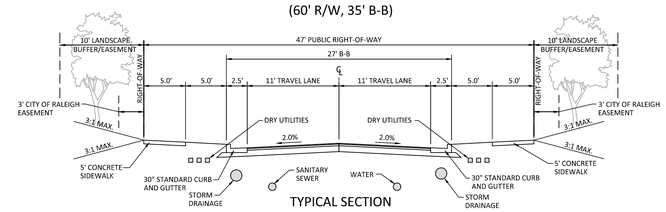
2.) Update the typical cross section and verify this extra space consideration has been taken into account throughout the plan set.



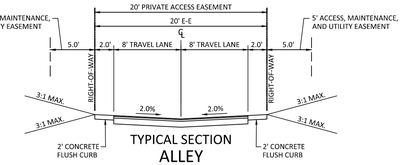
TYPICAL SECTION
MAIN STREET WITHOUT PARKING
(65' R/W, 29' B-B)



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



TYPICAL SECTION
LOCAL STREET
(47' R/W, 27' B-B)



TYPICAL SECTION
ALLEY
(20' PRIVATE ACCESS EASEMENT, 20' E-E)

Know what's below. Call before you dig.

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

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

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

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CLIENT

ALLIANCE GROUP OF NC, LLC
7208 FALLS OF NEUSE RD, SUITE 101
RALEIGH, NORTH CAROLINA 27615
CONTACT: JACOB ANDERSON
PHONE: 919. 239. 9486

AGNC BROKERAGE | CONSULTING | PLANNING

PEARCE FARM
PRELIMINARY PLAT PLANS
BURLINGTON MILLS ROAD
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP, WAKE COUNTY, NORTH CAROLINA

PSP-23-04

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

REVISIONS

NO.	DATE	
1	04. 01. 2024	REVISED PER TOWN COMMENTS

PLAN INFORMATION

PROJECT NO.	AGN23001
FILENAME	AGN23001-N1
CHECKED BY	.
DRAWN BY	.
SCALE	N.T.S.
DATE	12. 01. 2023

SHEET

PROJECT NOTES AND TYPICAL SECTIONS

C0.01

M:\Projects\AGN\AGN23001\04-Production\Engineering\Preliminary Subdivision Plat\Current Drawings\AGN23001-N1.dwg, 3/26/2024 3:52:06 PM, Sherrill Williams

SITE LEGEND

- SIGNAGE
- SITE LIGHTING
- LIGHT POLE
- TRAFFIC DIRECTIONAL ARROW
- ACC — ACCESSIBLE PARKING STALL
- VAN — VAN ACCESSIBLE PARKING STALL
- XX — PARKING SPACE COUNT
- ACCESSIBLE RAMPS
- PHASE LINE
- PROPERTY LINE
- RIGHT-OF-WAY LINE
- LOT LINE
- EASEMENT LINE
- CENTERLINE

SITE LEGEND

- WETLANDS
- UNPROGRAMMED OPEN SPACE
- PROGRAMMED/PASSIVE OPEN SPACE
- DEVELOPED / ACTIVE RECREATION SPACE
- STORMWATER CONTROL MEASURE
- VEGETATION PRESERVATION AREA
- OS-# — OPEN SPACE (OS) NUMBER
- ROLESVILLE PUBLIC GREENWAY TRAIL
- PRIVATE SOFT SURFACE TRAIL

OPEN SPACE AREAS AND PROGRAMMING

OPEN SPACE	AREA (AC) APPROXIMATE						USE DESCRIPTION
	DEVELOPED/ ACTIVE RECREATION	PROGRAMMED/ PASSIVE OPEN SPACE	UNPROGRAMMED/ PASSIVE OPEN SPACE	STORMWATER CONTROL MEASURES	TOTAL	OPEN SPACE TYPE	
OS-1	4.45	0.00	0.00	0.00	193,745 SF (4.45 AC)	LARGE	AMENITY FACILITY INCLUDING CLUBHOUSE, POOL, PICKLEBALL COURTS, GRILLING STATIONS AND/OR FIRE PITS
OS-2	5.36	0.00	0.00	0.00	233,607 SF (5.36 AC)	LARGE	PUBLIC PARK
OS-3	6.17	5.85	7.26	0.00	863,377 SF (19.82 AC)	LARGE	PARK SPACE WITH PUBLIC GREENWAY ACCESS AND STREAM BUFFER, WETLANDS AND POND AREA (EXCLUDES AREA OF SCM 'A')
OS-4	5.47	17.75	15.90	5.01	1,873,632 SF (43.06 AC)	MEDIUM	PASSIVE OPEN SPACE W/PUBLIC GREENWAY/TRAILHEAD(S) AND PRIVATE SOFT SURFACE TRAILS AND STREAM BUFFER, WETLANDS AND FLOODPLAIN
OS-5	0.00	3.52	0.00	0.00	153,185 SF (3.52 AC)	NOT APPLICABLE	PASSIVE OPEN SPACE W/PRIVATE SOFT SURFACE TRAIL
OS-6	0.00	3.95	0.30	0.00	185,113 SF (4.25 AC)	NOT APPLICABLE	PASSIVE OPEN SPACE W/ WETLAND AREA
OS-7	0.70	2.38	0.25	0.81	180,511 SF (4.14 AC)	SMALL	PASSIVE OPEN SPACE W/ PRIVATE SOFT SURFACE TRAILS AND WETLAND AREA AND STREAM BUFFER AREA; POCKET PARK
OS-8	0.00	6.84	0.00	0.00	297,961 SF (6.84 AC)	NOT APPLICABLE	PASSIVE OPEN SPACE W/ PRIVATE SOFT SURFACE TRAILS
OS-9	0.00	1.11	0.00	0.00	48,526 SF (1.11 AC)	NOT APPLICABLE	PASSIVE OPEN SPACE
OS-10	0.00	1.17	0.00	0.00	51,126 SF (1.17 AC)	NOT APPLICABLE	PASSIVE OPEN SPACE
OS-11	0.00	0.19	0.00	0.00	8,486 SF (0.19 AC)	NOT APPLICABLE	PASSIVE OPEN SPACE
OS-12	0.00	0.30	0.00	0.00	13,148 SF (0.30 AC)	NOT APPLICABLE	PASSIVE OPEN SPACE
OS-13	0.00	0.27	0.00	0.00	11,704 SF (0.27 AC)	NOT APPLICABLE	PASSIVE OPEN SPACE
OS-14	0.00	0.18	0.00	0.00	7,854 SF (0.18 AC)	NOT APPLICABLE	PASSIVE OPEN SPACE
OS-15	0.00	0.17	0.00	0.00	7,524 SF (0.17 AC)	NOT APPLICABLE	PASSIVE OPEN SPACE
OS-16	0.00	0.21	0.00	0.00	9,232 SF (0.21 AC)	NOT APPLICABLE	PASSIVE OPEN SPACE
OS-17	0.00	0.19	0.00	0.00	8,320 SF (0.19 AC)	NOT APPLICABLE	PASSIVE OPEN SPACE
OS-18	0.00	0.18	0.00	0.00	7,776 SF (0.18 AC)	NOT APPLICABLE	PASSIVE OPEN SPACE
OS-19	0.00	0.19	0.00	0.00	8,147 SF (0.19 AC)	NOT APPLICABLE	PASSIVE OPEN SPACE
OS-20	0.00	0.21	0.00	0.00	9,084 SF (0.21 AC)	NOT APPLICABLE	PASSIVE OPEN SPACE
OS-21	0.00	0.22	0.00	0.00	9,614 SF (0.22 AC)	NOT APPLICABLE	PASSIVE OPEN SPACE
OS-22	0.00	0.12	0.00	0.00	5,327 SF (0.12 AC)	NOT APPLICABLE	PASSIVE OPEN SPACE
OS-23	0.00	0.69	0.00	0.00	30,165 SF (0.69 AC)	NOT APPLICABLE	PASSIVE OPEN SPACE

OPEN SPACE / TRAILS SUMMARY

TOTAL PROJECT AREA	222.83 AC
TOTAL OPEN SPACE REQUIRED PER ZONING	91.00 AC
TOTAL OPEN SPACE PROVIDED	91.86 AC
DEVELOPED/ACTIVE RECREATION OPEN SPACE	PROVIDED: 22.15 AC (24.34% OF TOTAL OPEN SPACE)
PROGRAMMED/PASSIVE OPEN SPACE (EXCLUDES WETLANDS, FLOODPLAINS, FLOODWAYS, STEEP SLOPES, ROCK OUTCROPS ENVIRONMENTAL AREAS)	PROVIDED: 45.69 AC (50.21%)
UNPROGRAMMED OPEN SPACE (INCLUDES WETLANDS, FLOODPLAINS, FLOODWAYS, STEEP SLOPES, ROCK OUTCROPS, ENVIRONMENTAL AREAS)	PROVIDED: 18.20 AC (MAX. 20.00% OF TOTAL OPEN SPACE ALLOWED)
STORMWATER CONTROL MEASURES	5.82 AC (50% OF PASSIVE OPEN SPACE MAX.
ROLESVILLE PUBLIC GREENWAY TRAIL LINEAR FEET	PROPOSED: 4,500 LF (MIN.)
PRIVATE SOFT SURFACE TRAIL LINEAR FEET	PROPOSED: 4,500 LF (MIN.)
TOTAL VEGETATION PRESERVATION REQUIRED	222.83 AC X 10% = 22.28 AC
TOTAL VEGETATION PRESERVATION PROVIDED	23.41 AC

GENERAL NOTES:

1. PER LDO SECTION 6.2.1.G.4, OPEN SPACES SHALL MAKE ACCOMMODATIONS TO PROVIDE UNIVERSAL DESIGNS THAT CAN BE ENJOYED BY DIFFERENT TARGET USERS AND PROVIDE FOR ADA ACCESSIBILITY. THOSE SPACES THAT PROVIDE SUCH ACCOMMODATIONS WILL DEMONSTRATE HOW THIS IS BEING ACHIEVED AS OPEN SPACE DESIGNS DEVELOP AT TIME OF CONSTRUCTION DRAWINGS.
2. PER LDO SECTION 6.2.1.G.5, PUBLIC SEATING SHALL BE REQUIRED. PUBLIC SEATING SHALL BE APPROPRIATE TO THE INTENDED USE OF THE PARK AREA. THESE ELEMENTS WILL BE SHOWN AS OPEN SPACE DESIGNS DEVELOP AT TIME OF CONSTRUCTION DRAWINGS.
3. PER LDO SECTION 6.2.1.G.6, REFUSE AND RECYCLING RECEPTACLES ARE REQUIRED AT EACH ENTRANCE AND GATHERING SPACE. THESE ELEMENTS WILL BE SHOWN AS OPEN SPACE DESIGNS DEVELOP AT TIME OF CONSTRUCTION DRAWINGS.

GRAPHIC SCALE 0 100 200 400
1 inch = 200 ft.

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

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

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

www.mcadamsco.com

CLIENT

ALLIANCE GROUP OF NC, LLC
7208 FALLS OF NEUSE RD, SUITE 101
RALEIGH, NORTH CAROLINA 27615
CONTACT: JACOB ANDERSON
PHONE: 919. 239. 9486

PEARCE FARM
PRELIMINARY PLAT PLANS
BURLINGTON MILLS ROAD
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP, WAKE COUNTY, NORTH CAROLINA

PSP-23-04

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

REVISIONS

NO.	DATE	
1	04. 01. 2024	REVISED PER TOWN COMMENTS

PLAN INFORMATION

PROJECT NO.	AGN23001
FILENAME	AGN23001-OSP1
CHECKED BY	.
DRAWN BY	.
SCALE	1"=200'
DATE	12. 01. 2023

SHEET

OVERALL OPEN SPACE PLAN

C0.02

M:\Projects\AGN\AGN23001\04-Production\Engineering\Preliminary Subdivision Plat\Current Drawings\AGN23001-OSP1.dwg, 3/29/2024 3:54:19 PM, Sean Vanderslice

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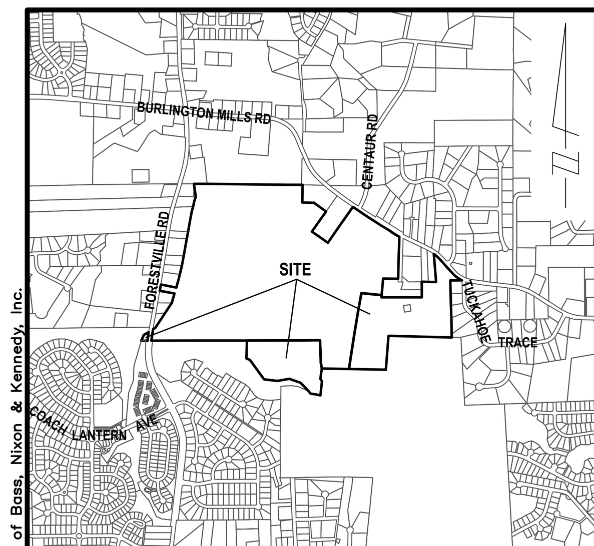


VICINITY MAP - 1" = 2000'

NOTE:
1. AREAS BY COORDINATE GEOMETRY UNLESS SHOWN OTHERWISE.
2. ALL DISTANCES ARE HORIZONTAL GROUND DISTANCES.
3. ALL STREETS ARE PUBLIC RIGHTS-OF-WAY UNLESS SHOWN OTHERWISE.
4. NO NCGS MONUMENT WITHIN 2,000 FEET OF PROPERTIES.
5. A PORTION OF THE PROPERTIES LIES IN A FEMA FLOOD HAZARD AREA PER FIRM NUMBERS 3720174800K, 3720174900K & 3720175800K DATED JULY 19, 2022.
6. PROPERTIES ARE IN WAKE COUNTY AND TOWN OF ROLESVILLE ETJ AS SHOWN.
7. PROPERTIES ARE ZONED "R-30" & "RL" AS SHOWN.
8. PROPERTY MAY BE SUBJECT TO NEUSE RIVER BUFFERS.
9. BUFFER DELINEATION TO BE DETERMINED BY DWR BEFORE FINAL APPROVAL.
10. THE COORDINATES SHOWN ON THIS PLAT WERE DERIVED BY VRS (VIRTUAL REFERENCE STATION) GPS USING DUAL FREQUENCY RECEIVER. THIS METHOD RESULTS IN (NAD 1983/2011) - (CORS 96) POSITIONS AND NAVD 88 (MSL) ELEVATIONS USING THE CONTINUOUSLY OPERATING STATIONS MAINTAINED BY NORTH CAROLINA GEODETIC SURVEY.
11. ITEM 6(A) & 6(B) - NO ZONING REPORT PROVIDED AT THIS TIME.
12. ITEM 9 - THERE ARE NO DELINEATED PARKING SPACES ON SUBJECT PROPERTY.
13. ITEM 16 - NO OBSERVED EVIDENCE OF CURRENT EARTH MOVING WORK, BUILDING CONSTRUCTION OR BUILDING ADDITIONS.
14. ITEM 17 - NO OBSERVED EVIDENCE OF RECENT STREET OR SIDEWALK CONSTRUCTION OR REPAIRS.
15. WETLANDS DELINEATED BY CAROLINA ECOSYSTEMS, INC., DATED AUGUST 2015.

NOTE:
THE LOCATIONS OF UNDERGROUND UTILITIES AS SHOWN HEREON ARE BASED ON OBSERVED ABOVE GROUND STRUCTURES, FIELD MARKINGS AND DRAWINGS PROVIDED TO THE SURVEYOR. LOCATIONS OF UNDERGROUND UTILITIES/STRUCTURES MAY VARY FROM LOCATIONS SHOWN HEREON. ADDITIONAL BURIED UTILITIES/STRUCTURES MAY BE ENCOUNTERED. NO EXCAVATIONS WERE MADE DURING THE PROGRESS OF THIS SURVEY TO LOCATE BURIED UTILITIES/STRUCTURES. BEFORE EXCAVATIONS ARE BEGUN, FIELD LOCATIONS AND THE TYPE OF UTILITIES/STRUCTURES SHOULD BE VERIFIED.

BUILDING SETBACKS

R-30 (WAKE COUNTY)	
FRONT & CORNER:	30 FEET
SIDE:	10 FEET
REAR:	30 FEET
RL (TOWN OF ROLESVILLE)	
FRONT:	30 FEET
SIDE:	12 FEET
CORNER:	17 FEET
REAR:	25 FEET

LINE TABLE

LINE	BEARING	DISTANCE
L1	N 77°03'18" W	82.83'
L2	N 81°12'37" W	75.13'
L3	N 40°14'28" W	51.36'
L4	N 42°57'15" W	65.28'
L5	N 68°25'53" W	57.67'
L6	S 36°22'14" E	43.80'
L7	S 07°28'23" W	97.45'
L8	S 11°05'36" W	66.94'
L9	N 59°34'48" E	44.62'
L10	N 89°56'19" W	99.63'
L11	N 25°32'05" E	98.45'
L12	N 59°29'06" E	86.17'
L13	S 01°35'31" E	59.97'
L14	N 12°19'25" E	88.64'
L15	N 18°21'09" E	82.04'
L16	S 01°53'22" W	39.97'
L17	S 02°39'31" W	61.06'
L18	N 11°28'44" W	87.28'
L19	N 81°15'55" E	104.50'
L20	S 08°44'05" E	104.50'
L21	S 81°15'55" W	104.50'
L22	N 08°44'05" W	104.50'
L23	N 89°56'19" W	60.28'
L24	N 01°45'19" W	81.83'
L25	N 00°42'26" W	198.78'

CURVE TABLE

CURVE	RADIUS	LENGTH	CHORD DIRECTION	CHORD
C1	1,906.64'	66.84'	S 62°01'11" E	66.83'
C2	1,906.64'	127.59'	S 59°05'54" E	127.57'
C3	2,159.61'	133.80'	S 07°19'14" W	133.78'
C4	2,099.61'	173.66'	S 08°04'20" W	173.61'
C5	663.20'	82.16'	N 45°38'16" W	82.10'
C6	515.68'	226.18'	S 54°26'47" E	224.37'

TBD TITLE INSURANCE COMPANY
COMMITMENT NUMBER:
COMMITMENT DATE:

SCHEDULE B, PART II
EXCEPTIONS

NC GRID (NAD '83/2011)

REFERENCES:

BM. 1997 PG. 911
BM. 1997 PG. 1970
BM. 2001 PG. 2256
BM. 2008 PG. 316
BM. 2011 PG. 665
BM. 2015 PG. 2033
BM. 2016 PG. 1918
DB. 11033 PG. 85
DB. 11146 PG. 339
DB. 11180 PG. 1815
DB. 14427 PG. 1034

LEGEND

- EIP = EXISTING IRON PIPE
- EIR = EXISTING REBAR
- IPS = IRON PIPE SET
- CP = CALCULATED POINT
- ELECTRIC POLE
- GUY WIRE
- GUY POLE
- WATER VALVE
- WELL
- FIRE HYDRANT
- FIBER-OPTIC MARKER
- TELEPHONE PEDESTAL
- GAS LINE VALVE
- SIGN
- GRAVE
- O/H ELECTRIC LINE
- STORM WATER LINE
- FENCE
- WETLANDS

PROPERTY DESCRIPTIONS PER RECORD:

TRACT 1: Wake County PIN 1748891680 & Real Estate ID 0318100:

BEGINNING at an existing iron pipe in the southern right of way of Burlington Mills Road (60 foot R/W), said iron pipe also being the northeast corner of the property described in Deed Book 2644, Page 187, Wake County Registry, and further described in Book of Maps 1978, Page 466, Wake County Registry; thence with said right of way south 57° 03 minutes 58 seconds east 751.01 feet to an iron pipe set; thence along the right of way, a curve to the left, having a radius of 1,906.64 feet, a length of 127.31 feet, and a chord bearing of south 59° 06 minutes 25 seconds east, a distance of 127.29 feet to an existing iron pipe; thence with said right of way a curve to the left, having a radius of 1,906.64 feet, a length of 67.07 feet, and a chord bearing of south 62° 01 minutes 39 seconds east, a distance of 67.07 feet to an iron pipe set; thence leaving said right of way, running south 1° 49 minutes 49 seconds west 535.06 feet to an existing iron pipe; thence south 2° 38 minutes 41 seconds west 61.06 feet to an existing iron pipe; thence south 1° 52 minutes 32 seconds west 89.98 feet to an existing iron pipe; thence north 89° 11 minutes 52 seconds west 612.55 feet to an existing iron pipe; thence south 9° 00 minutes 45 seconds west 1,416.63 feet to an existing iron pipe; thence north 88° 57 minutes 54 seconds west 428.57 feet to an existing iron pipe; thence north 11° 28 minutes 24 seconds west 87.29 feet to an existing iron pipe; thence north 2° 02 minutes 16 seconds west 362.50 feet to an existing iron pipe; thence south 89° 57 minutes 57 seconds west 1,159.79 feet to an existing iron pipe; thence north 89° 56 minutes 03 seconds west 1,514.37 feet to a point in the eastern right of way of Forestville Road (60 foot R/W); thence crossing Forestville Road north 89° 56 minutes 03 seconds west 60.28 to an iron pipe set in the western right of way of Forestville Road; thence north 89° 56 minutes 03 seconds west 99.63 feet to iron pipe set; thence north 25° 17 minutes 33 seconds east 98.59 feet to an existing iron pipe; thence north 59° 43 minutes 14 seconds east 86.29 feet to an existing iron pipe in the western right of way of Forestville Road; thence with the western right of way of Forestville Road a curve to the left, having a radius of 2,159.61 feet, a length of 133.87 feet, and a chord bearing of south 7° 18 minutes 00 seconds west, a distance of 133.85 feet to the iron pipe set in the western right of way of Forestville Road referenced in a prior call; thence crossing Forestville Road south 89° 56 minutes 03 seconds east 60.28 feet to a point in the eastern right of way of Forestville Road referenced in a prior call; thence with the eastern right of way of Forestville Road along a curve to the right having a radius of 2,099.61 feet, a length of 174.09 feet, and a chord bearing of north 08° 03 minutes 22 seconds east a distance of 174.04 feet to an iron pipe set in the eastern right of way of Forestville Road; thence leaving said right of way, running north 59° 43 minutes 48 seconds east 44.35 feet to an existing iron pipe; thence north 33° 56 minutes 01 seconds east 456.12 feet to an iron pipe set; thence north 15° 01 minutes 20 seconds east 160.64 feet to an existing iron pipe; thence north 15° 01 minutes 28 seconds east 330.10 feet to an existing iron pipe; thence north 15° 01 minutes 04 seconds east 147.82 feet to an existing iron pipe; thence north 10° 16 minutes 39 seconds east 545.20 feet to an existing iron pipe; thence north 11° 33 minutes 22 seconds east 498.01 feet to an existing iron pipe; thence north 1° 34 minutes 23 seconds west 81.56 feet to an existing iron pipe; thence north 0° 48 minutes 14 seconds west 199.03 feet to an existing iron pipe; thence south 89° 01 minutes 51 seconds east 1,539.25 feet to an existing iron pipe; thence south 0° 00 minutes 44 seconds east 280.95 feet to an existing iron pipe; thence north 89° 58 minutes 45 seconds east 363.19 feet to an existing iron pipe; thence north 28° 02 minutes 34 seconds east 140.81 feet to an existing iron pipe; thence south 62° 03 minutes 15 seconds east 41.37 feet to an existing iron pipe; thence north 28° 01 minutes 45 seconds east 170.37 feet to an iron pipe set in the southern right of way of Burlington Mills Road; thence along the southern right of way of Burlington Mills Road with a curve to the left, having a radius of 2,799.00 feet, a length of 182.48 feet, and a chord bearing of south 51° 06 minutes 15 seconds east, a distance of 182.45 feet to an iron pipe set; thence with said right of way south 52° 58 minutes 19 seconds east 53.86 feet to an existing iron pipe; thence leaving said right of way, running south 34° 48 minutes 14 seconds west 697.14 feet to an existing iron pipe; thence south 55° 15 minutes 03 seconds east 299.78 feet to an existing iron pipe; thence north 34° 50 minutes 22 seconds east 696.76 feet to an existing iron pipe in the southern right of way of Burlington Mills Road, being the point and place of beginning, containing 170.78 acres, as shown on survey entitled, "Property of Bobby E. Eddins and Betty M. Eddins, dated 8/18/04, prepared by Mulkey Engineers and Consultants."

and

BEING all of that 0.639 acre tract shown on plat entitled "Recombination Survey For POGE, LLC & ESNE, LLC", a copy of which is recorded in Book of Maps 2011, Page 665, Wake County Registry. This tract is bordered on the north by other land of Grantor, on the east by other land of Grantee, on the south by other land of Perry and on the west by the center line of Forestville Road.

TRACT 2: Wake County PIN 1758081893 and Real Estate ID 0063677:

BEGINNING at an existing iron pipe in the southern right of way of Burlington Mills Road, being the northeast corner of Herbert F. Faison Property (Deed Book 10986, Page 2004, Wake County Registry); thence with the Faison line south 0° 53 minutes 33 seconds east 416.19 feet to an iron pipe; thence south 89° 17 minutes 04 seconds west 234.59 feet to an existing iron pipe; thence south 0° 39 minutes 48 seconds east 124.39 feet to an existing iron pipe; thence south 89° 20 minutes 19 seconds west 330.37 feet to an existing iron pipe; thence south 15° 48 minutes 27 seconds west 115.81 feet to an existing iron pipe; thence north 84° 20 minutes 47 seconds west 599.08 feet to an existing iron pipe; thence south 09° 00 minutes 45 seconds west 1,229.37 feet to an existing iron pipe; thence south 89° 00 minutes 15 seconds east 590.45 feet to a bent axle; thence north 08° 39 minutes 21 seconds east 511.98 feet to an iron pipe; thence south 89° 46 minutes 10 seconds east 964.65 feet to an axle; thence north 01° 14 minutes 54 seconds west 59.88 feet to an iron pipe; thence north 01° 18 minutes 47 seconds west 255.38 feet to an iron pipe; thence north 01° 19 minutes 39 seconds west 195.03 feet to an iron pipe; thence north 01° 19 minutes 44 seconds west 399.16 feet to an iron pipe; thence north 89° 02 minutes 56 seconds east 206.09 feet to a point in the southern right of way of Burlington Mills Road; thence along with the southern right of way of Burlington Mills Road a curve to the right, having a radius of 515.68 feet, a length of 276.18 feet, and a chord bearing of north 54° 29 minutes 10 seconds west, a distance of 224.37 feet to an iron pipe set; thence with said right of way north 41° 55 minutes 16 seconds west 297.45 feet to an iron pipe set; thence with said right of way a curve to the left, having a radius of 663.20 feet, a length of 82.17 feet, and chord bearing of north 45° 28 minutes 14 seconds west, a distance of 82.12 feet to the point of beginning, and being all of Parcel 1, containing 34.928 acres, as shown on a survey entitled, "Boundary Survey for Ammons Development Group, Heritage/Trevaran Society," dated October 7, 2004, prepared by Mulkey Engineers & Consultants.

See also plat recorded in Book of Maps 1997, Page 1970, Wake County Registry.

TRACT 3: Wake County PIN 1748884104 and REAL ESTATE ID 0325091:

BEGINNING at an existing iron pipe located in the southern line of that property now or formerly belonging to Bobby E. Eddins and Betty M. Eddins as described in Book 2582, Page 261, Wake County Registry and the northeast corner of that property now or formerly belonging to Millridge Investments, Inc. as described in Book 9207, Page 1757, Wake County Registry, said existing iron pipe also having North Carolina Grid Coordinates of N=788,506.3698 and E=2,147,745.4989; runs thence with the southern line of the aforesaid Eddins property North 89° 57' 57" East 1159.79 feet to an existing iron pipe; runs thence continuing with the line of the Eddins property South 02° 02' 16" East 362.50 feet to an existing iron pipe and South 11° 28' 24" East 87.29 feet to an existing iron pipe northwest corner of that property now or formerly belonging to Ronald Gay, Ginger Ann Gay Caldwell and Amy Ruth Gay Ray as described in Book 5464, Page 540, Wake County Registry runs thence with the line of the Gay/Caldwell/Ray property the following courses and distances: South 11° 10' 13" West 67.04 feet to an existing iron pipe, South 07° 22' 24" West 97.35 feet to an existing iron pipe, South 36° 25' 26" East 43.76 feet to an existing iron pipe, South 06° 34' 04" West 230.02 to an existing iron pipe, North 77° 03' 15" West 82.83 feet to an existing iron pipe, North 81° 12' 34" West 75.13 feet to an existing iron pipe, and North 40° 14' 25" West 51.36 feet to an existing iron pipe; runs thence North 42° 57' 12" West 65.28 feet to a point; runs thence North 44° 16' 14" West 120.33 feet to a point; runs thence North 70° 44' 03" West 186.82 feet to a point; runs thence South 80° 12' 56" 193.30 feet to a point; runs thence North 83° 15' 07" West 211.03 feet to a point; runs thence North 36° 02' 11" West 382.28 feet to a point; runs thence North 68° 25' 50" West 57.67 feet to a point in the eastern line of that property now or formerly belonging to Millridge Investments, Inc.; runs thence with the eastern line of the aforesaid Millridge Investments property North 01° 28' 01" East 286.16 feet to an existing iron pipe, the point and place of Beginning, containing 17.10 acres as shown on that plat entitled "Exempt Subdivision Plat Property of Jerry William Ellisberg" prepared by Mulkey Engineers & Consultants and dated 08-18-2004.

* West

PROPERTY DESCRIPTION PER FIELD - TRACT 1

BEGINNING AT AN EXISTING IRON PIPE LOCATED ON THE EASTERN RIGHT-OF-WAY LINE OF FORESTVILLE ROAD, AND BEING LOCATED NORTH 89°56'19' WEST A DISTANCE OF 25.12 FEET FROM THE NORTHWESTERN PROPERTY CORNER OF LANDS NOW OR FORMERLY OF THE DRAYTON RESERVE PROPERTY OWNERS ASSOCIATION INC AS RECORDED IN DEED BOOK 15809, PAGE 2499 AND SHOWN IN BOOK OF MAPS 2009, PAGE 766, WAKE COUNTY REGISTRY, AND HAVING NC GRID (NAD '83/2011) COORDINATES OF NORTH 788508.27 FEET, EAST 2146231.02 FEET; THENCE CROSSING SAID RIGHT-OF-WAY NORTH 89°56'19" WEST A DISTANCE OF 60.28 FEET TO A POINT LOCATED ON THE WESTERN RIGHT-OF-WAY OF SAID FORESTVILLE ROAD; THENCE NORTH 89°56'19" WEST A DISTANCE OF 99.63 FEET TO A POINT LOCATED ON THE EASTERN PROPERTY LINE OF LANDS NOW OF FORMERLY OF HOMEOWNERS ASSOCIATION OF STONEGATE INC AS SHOWN IN BOOK OF MAPS 2006, PAGE 2455, WAKE COUNTY REGISTRY; THENCE ALONG AND WITH SAID EASTERN PROPERTY LINE NORTH 25°32'05" EAST A DISTANCE OF 98.45 FEET TO AN EXISTING IRON PIPE; THENCE NORTH 59°29'06" EAST A DISTANCE OF 86.17 FEET TO AN EXISTING IRON PIPE LOCATED ON THE WESTERN RIGHT-OF-WAY LINE OF FORESTVILLE ROAD; THENCE ALONG AND WITH SAID RIGHT-OF-WAY LINE ALONG A CURVE TO THE LEFT AN ARC DISTANCE OF 133.80 FEET, SAID CURVE HAVING A RADIUS OF 2,159.61 FEET, A CHORD DIRECTION OF SOUTH 07°19'14" WEST, AND A CHORD DISTANCE OF 133.78 FEET TO A POINT; THENCE CROSSING BACK OVER SAID RIGHT-OF-WAY SOUTH 89°56'19" EAST A DISTANCE OF 60.28 FEET TO SAID BEGINNING EXISTING IRON PIPE LOCATED ON SAID EASTERN RIGHT-OF-WAY LINE; THENCE ALONG A CURVE TO THE RIGHT AN ARC DISTANCE OF 173.66 FEET, SAID CURVE HAVING A RADIUS OF 2,099.61 FEET, A CHORD DIRECTION OF NORTH 08°04'20" EAST, AND A CHORD DISTANCE OF 173.61 FEET TO AN EXISTING IRON PIPE LOCATED ON THE SOUTHWESTERN PROPERTY CORNER OF LANDS NOW OR FORMERLY OF WILLIAM CHESTER HALL AS RECORDED IN DEED BOOK 15126, PAGE 738, WAKE COUNTY REGISTRY; THENCE ALONG AND WITH SAID SOUTHERN PROPERTY LINE NORTH 59°34'48" EAST A DISTANCE OF 44.62 FEET TO A NEW IRON PIPE; THENCE NORTH 33°53'22" EAST A DISTANCE OF 456.32 FEET TO AN EXISTING IRON PIPE LOCATED ON THE SOUTHEASTERN PROPERTY CORNER OF LANDS NOW OR FORMERLY OF EDWARD AND PATRICIA PERRY AS RECORDED IN DEED BOOK 4002, PAGE 867, AND SHOWN IN BOOK OF MAPS 1984, PAGE 1180, WAKE COUNTY REGISTRY; THENCE ALONG AND WITH SAID EASTERN PROPERTY LINE NORTH 15°07'01" EAST A DISTANCE OF 160.34 FEET TO AN EXISTING IRON PIPE; THENCE NORTH 80°13'48" WEST A DISTANCE OF 233.22 FEET TO AN EXISTING IRON PIPE LOCATED ON THE EASTERN RIGHT-OF-WAY LINE OF FORESTVILLE ROAD; THENCE ALONG AND WITH SAID RIGHT-OF-WAY NORTH 09°35'05" EAST A DISTANCE OF 118.67 FEET TO A POINT LOCATED ON THE SOUTHWESTERN PROPERTY CORNER OF LOT 2 AS SHOWN IN BOOK OF MAPS 2011, PAGE 665, WAKE COUNTY REGISTRY; THENCE ALONG AND WITH SAID SOUTHERN PROPERTY LINE SOUTH 79°13'24" EAST A DISTANCE OF 244.16 FEET TO A NEW IRON PIPE; THENCE NORTH 15°01'36" EAST A DISTANCE OF 215.27 FEET TO AN EXISTING IRON PIPE LOCATED ON THE SOUTHEASTERN PROPERTY CORNER OF LOT 1 AS SHOWN IN BOOK OF MAPS 1995, PAGE 1939, WAKE COUNTY REGISTRY; THENCE ALONG AND WITH SAID EASTERN PROPERTY LINE NORTH 15°01'01" EAST A DISTANCE OF 147.51 FEET TO AN EXISTING IRON PIPE LOCATED ON THE SOUTHEASTERN PROPERTY CORNER OF LOT 1A AS SHOWN IN BOOK OF MAPS 2015, PAGE 364, WAKE COUNTY REGISTRY; THENCE ALONG AND WITH SAID EASTERN PROPERTY LINE NORTH 10°15'02" EAST A DISTANCE OF 155.51 FEET TO AN EXISTING REBAR LOCATED ON THE SOUTHEASTERN PROPERTY CORNER OF LOT 2 AS SHOWN IN BOOK OF MAPS 2016, PAGE 996, WAKE COUNTY REGISTRY; THENCE ALONG AND WITH SAID EASTERN PROPERTY LINE NORTH 10°18'16" EAST A DISTANCE OF 180.76 FEET TO AN EXISTING IRON PIPE; THENCE NORTH 10°19'55" EAST A DISTANCE OF 208.81 FEET TO AN EXISTING IRON PIPE LOCATED ON THE SOUTHEASTERN PROPERTY CORNER OF LOT 1 AS SHOWN IN BOOK OF MAPS 2023, PAGE 1854, WAKE COUNTY REGISTRY; THENCE ALONG AND WITH SAID EASTERN PROPERTY LINE NORTH 11°23'06" EAST A DISTANCE OF 409.87 FEET TO AN EXISTING IRON PIPE LOCATED ON THE SOUTHEASTERN PROPERTY CORNER OF TRACT 2 AS SHOWN IN BOOK OF MAPS 2008, PAGE 316, WAKE COUNTY REGISTRY; THENCE ALONG AND WITH SAID EASTERN PROPERTY LINE NORTH 12°19'25" EAST A DISTANCE OF 88.64 FEET TO AN EXISTING IRON PIPE; THENCE NORTH 18°21'09" EAST A DISTANCE OF 82.04 FEET TO A NEW IRON PIPE; THENCE NORTH 08°38'18" WEST A DISTANCE OF 205.01 FEET TO AN EXISTING IRON PIPE LOCATED ON THE SOUTHERN PROPERTY LINE OF LOT 2 AS SHOWN IN BOOK OF MAPS 2015, PAGE 852, WAKE COUNTY REGISTRY; THENCE ALONG AND WITH SAID SOUTHERN PROPERTY LINE SOUTH 89°01'31" EAST A DISTANCE OF 1,539.33 FEET TO AN EXISTING IRON PIPE LOCATED ON THE SOUTHERN PROPERTY LINE OF LOT 1 AS SHOWN IN BOOK OF MAPS 2015, PAGE 852, WAKE COUNTY REGISTRY; THENCE ALONG AND WITH SAID SOUTHERN PROPERTY LINE SOUTH 89°57'39" EAST A DISTANCE OF 177.74 FEET TO A POINT LOCATED ON THE NORTHWESTERN PROPERTY CORNER OF LANDS NOW OR FORMERLY OF ROLESVILLE RURAL FIRE DEPARTMENT INC AS RECORDED IN DEED BOOK 16369, PAGE 2073 AND SHOWN IN BOOK OF MAPS 2016, PAGE 1918, WAKE COUNTY REGISTRY; THENCE ALONG AND WITH SAID WESTERN PROPERTY LINE SOUTH 00°01'31" EAST A DISTANCE OF 280.71 FEET TO A POINT; THENCE NORTH 89°58'29" EAST A DISTANCE OF 185.22 FEET TO AN EXISTING IRON PIPE; THENCE SOUTH 55°11'38" EAST A DISTANCE OF 240.08 FEET TO A POINT LOCATED ON THE WESTERN PROPERTY LINE OF LANDS NOW OR FORMERLY OF KENYON AND ABIGAIL BURNHAM AS RECORDED IN DEED BOOK 18853, PAGE 423 AND SHOWN IN BOOK OF MAPS 1978, PAGE 466, WAKE COUNTY REGISTRY; THENCE ALONG AND WITH SAID WESTERN PROPERTY LINE SOUTH 34°47'54" WEST A DISTANCE OF 398.38 FEET TO AN EXISTING IRON PIPE; THENCE SOUTH 55°16'09" EAST A DISTANCE OF 299.69 FEET TO AN EXISTING IRON PIPE; THENCE NORTH 34°50'35" EAST A DISTANCE OF 696.75 FEET TO AN EXISTING IRON PIPE LOCATED ON THE SOUTHERN RIGHT-OF-WAY LINE OF BURLINGTON MILLS ROAD; THENCE ALONG AND WITH SAID RIGHT-OF-WAY LINE SOUTH 57°04'22" EAST A DISTANCE OF 750.93 FEET TO AN EXISTING IRON PIPE; THENCE ALONG A CURVE TO THE LEFT AN ARC DISTANCE OF 127.59 FEET, SAID CURVE HAVING A RADIUS OF 1,906.64 FEET, A CHORD DIRECTION OF SOUTH 59°05'54" EAST, AND A CHORD DISTANCE OF 127.57 FEET TO A POINT; THENCE ALONG A CURVE TO THE LEFT AN ARC DISTANCE OF 66.84 FEET, SAID CURVE HAVING A RADIUS OF 1,906.64 FEET, A CHORD DIRECTION OF SOUTH 62°01'11" EAST, AND A CHORD DISTANCE OF 66.83 FEET TO AN EXISTING IRON PIPE LOCATED ON THE NORTHWESTERN PROPERTY CORNER OF LOT 1 AS SHOWN IN BOOK OF MAPS 1980, PAGE 1034, WAKE COUNTY REGISTRY; THENCE ALONG AND WITH SAID WESTERN PROPERTY LINE SOUTH 01°50'39" WEST A DISTANCE OF 535.07 FEET TO AN EXISTING IRON PIPE LOCATED ON THE NORTHWESTERN PROPERTY CORNER OF LOT 4 AS SHOWN IN BOOK OF MAPS 1980, PAGE 1034, WAKE COUNTY REGISTRY; THENCE ALONG AND WITH SAID WESTERN PROPERTY LINE SOUTH 02°39'31" WEST A DISTANCE OF 61.06 FEET TO A POINT LOCATED ON THE NORTHWESTERN PROPERTY CORNER OF LOT 2 AS SHOWN IN BOOK OF MAPS 2001, PAGE 2256, WAKE COUNTY REGISTRY; THENCE ALONG AND WITH SAID WESTERN PROPERTY LINE SOUTH 01°53'22" WEST A DISTANCE OF 39.97 FEET TO A NEW IRON PIPE LOCATED ON THE NORTHERN PROPERTY LINE OF LOT 1 AS SHOWN IN BOOK OF MAPS 2015, PAGE 2033, WAKE COUNTY REGISTRY; THENCE ALONG AND WITH SAID NORTHERN PROPERTY LINE NORTH 89°10'51" WEST A DISTANCE OF 298.78 FEET TO A NEW IRON PIPE; THENCE SOUTH 04°49'42" WEST A DISTANCE OF 263.28 FEET TO A NEW IRON PIPE LOCATED ON THE NORTHERN PROPERTY LINE OF TRACT 2 AS SHOWN IN BOOK OF MAPS 1997, PAGE 1970, WAKE COUNTY REGISTRY; THENCE ALONG AND WITH SAID NORTHERN PROPERTY LINE NORTH 84°20'42" WEST A DISTANCE OF 323.59 FEET TO AN EXISTING IRON PIPE; THENCE SOUTH 09°02'02" WEST A DISTANCE OF 1,229.10 FEET TO A NEW IRON PIPE LOCATED ON THE NORTHERN PROPERTY LINE OF LANDS NOW OR FORMERLY OF RONALD GAY REVOCABLE TRUST AS RECORDED IN DEED BOOK 15275, PAGE 1754, WAKE COUNTY REGISTRY; THENCE ALONG AND WITH SAID NORTHERN PROPERTY LINE NORTH 88°59'43" WEST A DISTANCE OF 428.61 FEET TO AN EXISTING AXLE LOCATED ON THE EASTERN PROPERTY LINE OF LANDS NOW OR FORMERLY OF POGE LLC AND ESNE LLC AS RECORDED IN DEED BOOK 11180, PAGE 1815, WAKE COUNTY REGISTRY; THENCE ALONG AND WITH SAID EASTERN PROPERTY LINE NORTH 11°28'44" WEST A DISTANCE OF 87.28 FEET TO AN EXISTING IRON PIPE; THENCE NORTH 02°01'43" WEST A DISTANCE OF 362.61 FEET TO AN EXISTING IRON PIPE; THENCE SOUTH 89°57'24" WEST A DISTANCE OF 1,159.90 FEET TO AN EXISTING IRON PIPE LOCATED ON THE NORTHEASTERN PROPERTY CORNER OF LANDS NOW OR FORMERLY OF THE DRAYTON RESERVE PROPERTY OWNERS ASSOCIATION INC AS RECORDED IN DEED BOOK 15809, PAGE 2499 AND SHOWN IN BOOK OF MAPS 2009, PAGE 766, WAKE COUNTY REGISTRY; THENCE ALONG AND WITH SAID NORTHERN PROPERTY LINE NORTH 89°56'19" WEST A DISTANCE OF 1,514.44 FEET TO THE POINT OF BEGINNING, CONTAINING 171.9233 ACRES.

PROPERTY DESCRIPTION PER FIELD - TRACT 2

BEGINNING AT AN EXISTING IRON REBAR LOCATED ON THE SOUTHERN RIGHT-OF-WAY LINE OF BURLINGTON MILLS ROAD, AND BEING THE NORTHEASTERN PROPERTY CORNER OF LANDS NOW OR FORMERLY OF HERBERT FAISON AS RECORDED IN DEED BOOK 13851, PAGE 1229, WAKE COUNTY REGISTRY, AND HAVING NC GRID (NAD '83/2011) COORDINATES OF NORTH: 789863.84 FEET, EAST: 2150740.71 FEET; THENCE ALONG AND WITH SAID RIGHT-OF-WAY LINE ALONG A CURVE TO THE RIGHT AN ARC DISTANCE OF 82.16 FEET, SAID CURVE HAVING A RADIUS OF 663.20 FEET, A CHORD DIRECTION OF SOUTH 45°38'16" EAST, AND A CHORD DISTANCE OF 82.10 FEET TO A POINT; THENCE SOUTH 42°13'20" EAST A DISTANCE OF 296.45 FEET TO A POINT; THENCE ALONG A CURVE TO THE LEFT AN ARC DISTANCE OF 226.18 FEET, SAID CURVE HAVING A RADIUS OF 515.68 FEET, A CHORD DIRECTION OF SOUTH 54°26'47" EAST, AND A CHORD DISTANCE OF 224.37 FEET TO A POINT; THENCE LEAVING SAID RIGHT-OF-WAY LINE SOUTH 89°05'19" WEST A DISTANCE OF 206.09 FEET TO AN EXISTING IRON PIPE LOCATED ON THE NORTHWESTERN PROPERTY CORNER OF LOT 1 OF TUCKAHOE SUBDIVISION AS RECORDED IN BOOK OF MAPS 1983, PAGE 1032, WAKE COUNTY REGISTRY; THENCE ALONG AND WITH SAID WESTERN SUBDIVISION LINE SOUTH 01°18'15" EAST A DISTANCE OF 209.92 FEET TO AN EXISTING IRON PIPE LOCATED ON THE NORTHWESTERN PROPERTY CORNER OF LOT 2; THENCE SOUTH 01°19'48" EAST A DISTANCE OF 639.56 FEET TO AN EXISTING IRON PIPE LOCATED ON THE NORTHWESTERN PROPERTY CORNER OF LOT 5; THENCE SOUTH 01°35'31" EAST A DISTANCE OF 59.97 FEET TO AN EXISTING IRON PIPE LOCATED ON THE NORTHERN PROPERTY LINE OF LANDS NOW OR FORMERLY OF RONALD GAY REVOCABLE TRUST AS RECORDED IN DEED BOOK 15275, PAGE 1754, WAKE COUNTY REGISTRY; THENCE ALONG AND WITH SAID NORTHERN PROPERTY LINE NORTH 89°46'05" WEST A DISTANCE OF 964.92 FEET TO AN EXISTING IRON PIPE; THENCE SOUTH 08°38'23" WEST A DISTANCE OF 511.94 FEET TO AN EXISTING IRON PIPE; THENCE NORTH 88°59'43" WEST A DISTANCE OF 590.55 FEET TO A NEW IRON PIPE LOCATED ON THE SOUTHEASTERN PROPERTY CORNER OF LANDS NOW OR FORMERLY OF POGE LLC AND ESNE LLC AS DESCRIBED IN DEED BOOK 11033, PAGE 85, WAKE COUNTY REGISTRY; THENCE ALONG AND WITH SAID EASTERN PROPERTY LINE NORTH 09°02'02" EAST A DISTANCE OF 1,229.10 FEET TO AN EXISTING IRON PIPE; THENCE SOUTH 84°20'42" EAST A DISTANCE OF 323.59 FEET TO A NEW IRON PIPE LOCATED ON THE WESTERN PROPERTY LINE OF LOT 1 AS RECORDED IN BOOK OF MAPS 2015, PAGE 2033, WAKE COUNTY REGISTRY; THENCE ALONG AND WITH SAID WESTERN PROPERTY LINE SOUTH 04°49'42" WEST A DISTANCE OF 35.52 FEET TO A NEW IRON PIPE; THENCE NORTH 90°00'00" EAST A DISTANCE OF 639.92 FEET TO A NEW IRON PIPE; THENCE NORTH 00°40'04" WEST A DISTANCE OF 247.97 FEET TO AN EXISTING IRON PIPE LOCATED ON THE SOUTHWESTERN PROPERTY CORNER OF LANDS NOW OR FORMERLY OF TAMMY AND JONATHAN TAYLOR AS RECORDED IN DEED BOOK 3304, PAGE 182, WAKE COUNTY REGISTRY; THENCE ALONG AND WITH SAID SOUTHERN PROPERTY LINE NORTH 89°17'06" EAST A DISTANCE OF 234.65 FEET TO AN EXISTING IRON PIPE LOCATED ON THE SOUTHEASTERN PROPERTY CORNER OF LANDS NOW OR FORMERLY OF HERBERT FAISON AS RECORDED IN DEED BOOK 13851, PAGE 1229, WAKE COUNTY REGISTRY; THENCE ALONG AND WITH SAID EASTERN PROPERTY LINE NORTH 00°58'44" WEST A DISTANCE OF 414.35 FEET TO THE POINT OF BEGINNING, CONTAINING 34.0505 ACRES LESS AND EXCEPT A 0.2507 ACRE CEMETERY LOT DESCRIBED BELOW LEAVING A NET AREA OF 33.7998 ACRES.

SAID ABOVE REFERENCED CEMETERY LOT BEING NOW OR FORMERLY OWNED BY ANTHONY N. CASH AS RECORDED IN BOOK OF MAPS 1997, PAGE 911, WAKE COUNTY REGISTRY, AND BEING FURTHER DESCRIBED AS:

COMMENCING AT AN EXISTING IRON REBAR LOCATED ON THE SOUTHERN RIGHT-OF-WAY LINE OF BURLINGTON MILLS ROAD, AND BEING THE NORTHEASTERN PROPERTY CORNER OF LANDS NOW OR FORMERLY OF HERBERT FAISON AS RECORDED IN DEED BOOK 13851, PAGE 1229, WAKE COUNTY REGISTRY, AND HAVING NC GRID (NAD '83/2011) COORDINATES OF NORTH: 789863.84 FEET, EAST: 2150740.71 FEET; THENCE ALONG AND WITH SAID EASTERN PROPERTY LINE SOUTH 00°58'44" EAST A DISTANCE OF 414.35 FEET TO AN EXISTING IRON PIPE; THENCE SOUTH 89°17'06" WEST A DISTANCE OF 234.65 FEET TO AN EXISTING IRON PIPE LOCATED ON THE NORTHEASTERN PROPERTY CORNER OF LOT 2 AS RECORDED IN BOOK OF MAPS 2001, PAGE 2256, WAKE COUNTY REGISTRY; THENCE ALONG AND WITH SAID EASTERN PROPERTY LINE SOUTH 00°40'04" EAST A DISTANCE OF 247.97 FEET TO A NEW IRON PIPE; THENCE SOUTH 55°55'34" WEST A DISTANCE OF 219.69 FEET TO THE POINT OF BEGINNING; THENCE SOUTH 08°44'05" EAST A DISTANCE OF 104.50 FEET TO AN EXISTING IRON PIPE; THENCE SOUTH 81°15'55" WEST A DISTANCE OF 104.50 FEET TO AN EXISTING IRON PIPE; THENCE NORTH 08°44'05" WEST A DISTANCE OF 104.50 FEET TO A POINT; THENCE NORTH 81°15'55" EAST A DISTANCE OF 104.50 FEET TO THE POINT OF BEGINNING, CONTAINING 0.2507 ACRES.

PROPERTY DESCRIPTION PER FIELD - TRACT 3

COMMENCING AT AN EXISTING IRON PIPE LOCATED ON THE EASTERN RIGHT-OF-WAY LINE OF FORESTVILLE ROAD, AND BEING LOCATED NORTH 89°56'19' WEST A DISTANCE OF 25.12 FEET FROM THE NORTHWESTERN PROPERTY CORNER OF LANDS NOW OR FORMERLY OF THE DRAYTON RESERVE PROPERTY OWNERS ASSOCIATION INC AS RECORDED IN DEED BOOK 15809, PAGE 2499 AND SHOWN IN BOOK OF MAPS 2009, PAGE 766, WAKE COUNTY REGISTRY, AND HAVING NC GRID (NAD '83/2011) COORDINATES OF NORTH 788508.27 FEET, EAST 2146231.02 FEET; THENCE LEAVING SAID RIGHT-OF-WAY LINE ALONG AND WITH SAID NORTHERN PROPERTY LINE SOUTH 89°56'19" EAST A DISTANCE OF 1514.44 FEET TO AN EXISTING IRON PIPE LOCATED ON THE SOUTHERN PROPERTY LINE OF LANDS NOW OR FORMERLY OF POGE LLC AND ESNE LLC AS RECORDED IN DEED BOOK 11033, PAGE 85, WAKE COUNTY REGISTRY, THE POINT OF BEGINNING; THENCE ALONG AND WITH SAID SOUTHERN PROPERTY LINE NORTH 89°57'24" EAST A DISTANCE OF 1,159.90 FEET TO AN EXISTING IRON PIPE; THENCE SOUTH 02°01'43" EAST A DISTANCE OF 362.61 FEET TO AN EXISTING IRON PIPE; THENCE SOUTH 11°28'44" EAST A DISTANCE OF 87.28 FEET TO AN EXISTING AXLE LOCATED ON THE NORTHWESTERN PROPERTY CORNER OF LANDS NOW OR FORMERLY OF RONALD GAY REVOCABLE TRUST AS RECORDED IN DEED BOOK 15275, PAGE 1754, WAKE COUNTY REGISTRY; THENCE ALONG AND WITH SAID WESTERN PROPERTY LINE SOUTH 11°05'36" WEST A DISTANCE OF 66.94 FEET TO AN EXISTING IRON PIPE; THENCE SOUTH 07°28'23" WEST A DISTANCE OF 97.45 FEET TO AN EXISTING IRON PIPE; THENCE SOUTH 36°22'14" EAST A DISTANCE OF 43.80 FEET TO AN EXISTING IRON PIPE; THENCE SOUTH 06°33'50" WEST A DISTANCE OF 230.03 FEET TO A POINT; THENCE NORTH 77°03'18" WEST A DISTANCE OF 82.83 FEET TO A POINT; THENCE NORTH 81°12'37" WEST A DISTANCE OF 75.13 FEET TO A POINT; THENCE NORTH 40°14'28" WEST A DISTANCE OF 51.36 FEET TO A POINT LOCATED ON THE NORTHERN PROPERTY LINE OF LANDS NOW OR FORMERLY OF THE DRAYTON RESERVE PROPERTY OWNERS ASSOCIATION INC AS RECORDED IN DEED BOOK 15809, PAGE 2499 AND SHOWN IN BOOK OF MAPS 2009, PAGE 766, WAKE COUNTY REGISTRY; THENCE ALONG AND WITH SAID NORTHERN PROPERTY LINE NORTH 42°57'15" WEST A DISTANCE OF 65.28 FEET TO A POINT; THENCE NORTH 44°16'17" WEST A DISTANCE OF 120.33 FEET TO A POINT; THENCE NORTH 70°44'06" WEST A DISTANCE OF 186.82 FEET TO A POINT; THENCE SOUTH 80°12'53" WEST A DISTANCE OF 193.30 FEET TO A POINT; THENCE NORTH 83°15'10" WEST A DISTANCE OF 211.03 FEET TO A POINT; THENCE NORTH 36°02'14" WEST A DISTANCE OF 382.28 FEET TO A NEW IRON PIPE; THENCE NORTH 68°25'53" WEST A DISTANCE OF 57.67 FEET TO A NEW IRON PIPE; THENCE NORTH 01°28'13" EAST A DISTANCE OF 286.15 FEET TO THE POINT OF BEGINNING, CONTAINING 17.1034 ACRES.

6.) See Notes from deed below.

Comment to remain until the flood study is reviewed.

NOTES:

There shall be no filling or the erection of permanent structures in the areas of Wake County Flood Hazard Soils or Federal Emergency Management Agency Zones until a flood study is approved by Wake County or FEMA.

Before acquiring a building permit for lots marked by an * (asterisk) the builder may need to obtain a Flood Hazard Permit from County Zoning Administrator. The builder's engineer, architect or surveyor must certify on any permit that all flood hazard requirements are met.

SURVEYOR'S CERTIFICATE

TO: ______________________

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2021 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 2, 3, 4, 6(A), 6(B), 7(A), 7(B)(1), 7(C), 8, 9, 13, 16, 17, AND 18 OF TABLE A THEREOF.

THE FIELDWORK WAS COMPLETED ON OCTOBER 6, 2023.

DATE OF PLAT OR MAP: ______________________
DAN GREGORY, PROFESSIONAL LAND SURVEYOR L-5240

OWNER:
POGE, LLC
ESNE, LLC
PO BOX 1615
WAKE FOREST NC 27588-1615

PRELIMINARY

SCALE: 1" = 200'
0 100 200 400 600 800

BNK

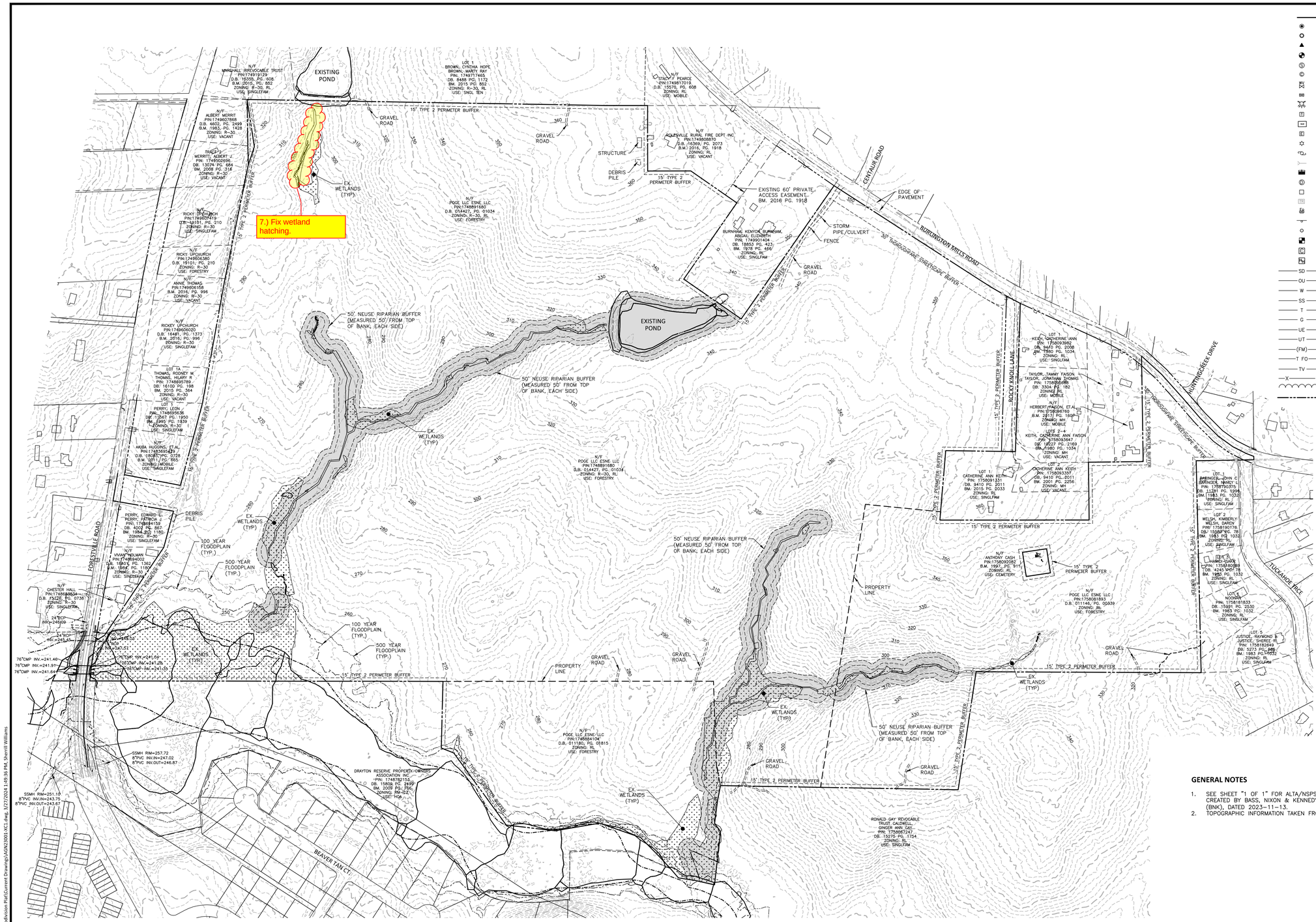
BASS, NIXON & KENNEDY, INC.
CONSULTING ENGINEERS
• 6310 CHAPEL HILL ROAD, SUITE 250, RALEIGH, NORTH CAROLINA 27607
• TELEPHONE: (919)851-4422 or (800)354-1879
FAX: (919)851-8968
• CERTIFICATION NUMBERS: NCBELS (C-0110); NCBLA (C-0267)

NO.	DATE	DESCRIPTION	BY
		REVISIONS	

15052	11-13-2023	JDW
JOB NO.	DATE	DRAWN BY
SCALE: 1" = 200'		CHK BY: DG

ALTA/NSPS LAND TITLE SURVEY
PROPERTY OF
POGE, LLC. & ESNE, LLC.
ROLESVILLE WAKE COUNTY NORTH CAROLINA

SHEET 1 OF 1



LEGEND

- EXISTING IRON PIPE
- IRON PIPE SET
- CALCULATED POINT
- BORE HOLE
- SANITARY SEWER MANHOLE
- SANITARY SEWER CLEANOUT
- WATER VALVE
- WATER METER
- FIRE HYDRANT
- TELEPHONE PEDESTAL
- BICYCLE RACK
- ELECTRIC BOX
- LIGHT POLE
- POWER POLE
- GUY WIRE
- CURB INLET
- STORM DRAINAGE MANHOLE
- YARD INLET
- TRANSFORMER
- FIBER OPTIC VAULT
- SIGN
- BOLLARD
- TELEPHONE HAND HOLE(ACCESS PANEL)
- CABLE PEDESTAL
- UTILITY HAND HOLE
- SD — STORM DRAIN PIPE
- OU — OVERHEAD UTILITY LINES
- W — WATER LINE
- SS — SANITARY SEWER LINE
- T — TELEPHONE LINE
- G — GAS LINE
- UE — UNDERGROUND ELECTRIC
- UT — UNDERGROUND TELEPHONE
- (FM) — TOWN OF APEX FORCE MAIN
- T FO — UNDERGROUND FIBER
- TV — UNDERGROUND TELEVISION
- X — X — FENCE LINE
- TREE LINE
- PROPERTY BOUNDARY LINE

GENERAL NOTES

1. SEE SHEET "1 OF 1" FOR ALTA/NSPS TITLE SURVEY INFORMATION, CREATED BY BASS, NIXON & KENNEDY, INC. CONSULTING ENGINEERS (BNK), DATED 2023-11-13.
2. TOPOGRAPHIC INFORMATION TAKEN FROM WAKE COUNTY GIS.

GRAPHIC SCALE
0 100 200 400
1 inch = 200 ft.

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

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

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

www.mcadamsco.com

CLIENT

ALLIANCE GROUP OF NC, LLC
7208 FALLS OF NEUSE RD, SUITE 101
RALEIGH, NORTH CAROLINA 27615
CONTACT: JACOB ANDERSON
PHONE: 919. 239. 9486

AGNC BROKERAGE | CONSULTING | PLANNING

PEARCE FARM
PRELIMINARY PLAT PLANS
BURLINGTON MILLS ROAD
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP, WAKE COUNTY, NORTH CAROLINA

PSP-23-04

REVISIONS

NO.	DATE	
1	04. 01. 2024	REVISED PER TOWN COMMENTS

PLAN INFORMATION

PROJECT NO.	AGN23001
FILENAME	AGN23001-XC1
CHECKED BY	.
DRAWN BY	.
SCALE	1"=200'
DATE	12. 01. 2023

SHEET

EXISTING CONDITIONS

C1.00

M:\Projects\AGN\AGN23001\04-Production\Engineering\Preliminary Subdivision Plat\Current Drawing\AGN23001-XC1.dwg, 3/27/2024 1:49:36 PM, Sherrill Williams

LEGEND

- EXISTING IRON PIPE
- IRON PIPE SET
- CALCULATED POINT
- BORE HOLE
- SANITARY SEWER MANHOLE
- SANITARY SEWER CLEANOUT
- WATER VALVE
- WATER METER
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- POWER POLE
- GUY WIRE
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- STORM DRAINAGE MANHOLE
- YARD INLET
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- FIBER OPTIC VAULT
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- BOLLARD
- TELEPHONE HAND HOLE(ACCESS PANEL)
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- UTILITY HAND HOLE
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- (FM) — TOWN OF APEX FORCE MAIN
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- X — X — FENCE LINE
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- PROPERTY BOUNDARY LINE

GENERAL NOTES

1. SEE SHEET "1 OF 1" FOR ALTA/NSPS TITLE SURVEY INFORMATION, CREATED BY BASS, NIXON & KENNEDY, INC. CONSULTING ENGINEERS (BNK), DATED 2023-11-13.
2. TOPOGRAPHIC INFORMATION TAKEN FROM WAKE COUNTY GIS.

DEMOLITION NOTES:

1. IN ACCORDANCE WITH 40 CFR, PART 61, SUBPART M, A THOROUGH INSPECTION SHALL BE CONDUCTED FOR ASBESTOS-CONTAINING MATERIALS, PRIOR TO CONDUCTING A RENOVATION OR DEMOLITION ACTIVITY OF AN EXISTING STRUCTURE. THE ASBESTOS INSPECTION MUST BE CONDUCTED BY A NORTH CAROLINA ACCREDITED ASBESTOS INSPECTOR. ALL REGULATED AND/OR FRIABLE ASBESTOS-CONTAINING MATERIALS IDENTIFIED DURING THE SURVEY, WHICH WILL BE DISTURBED, MUST BE PROPERLY REMOVED BY ACCREDITED INDIVIDUALS BEFORE BEGINNING THE RENOVATION OR DEMOLITION ACTIVITY. IF REGULATED AND/OR FRIABLE ASBESTOS CONTAINING MATERIALS TO BE REMOVED EXCEED 160 SQUARE FEET, 260 LINEAR FEET OR 35 CUBIC FEET, A PERMIT SHALL BE APPLIED FOR THROUGH THE NORTH CAROLINA DEPARTMENT OF HEALTH AND HUMAN SERVICES.
2. ALL MATERIAL TO BE DEMOLISHED SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT A PERMITTED SITE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL LAWS.

GRAPHIC SCALE
0 100 200 400
1 inch = 200 ft.

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

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

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

www.mcadamsco.com

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ALLIANCE GROUP OF NC, LLC
7208 FALLS OF NEUSE RD, SUITE 101
RALEIGH, NORTH CAROLINA 27615
CONTACT: JACOB ANDERSON
PHONE: 919. 239. 9486

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PEARCE FARM
PRELIMINARY PLAT PLANS
BURLINGTON MILLS ROAD
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP, WAKE COUNTY, NORTH CAROLINA

PSP-23-04

REVISIONS

NO.	DATE	
1	04. 01. 2024	REVISED PER TOWN COMMENTS

PLAN INFORMATION

PROJECT NO.	AGN23001
FILENAME	AGN23001-DM1
CHECKED BY	.
DRAWN BY	.
SCALE	1"=200'
DATE	12. 01. 2023

SHEET

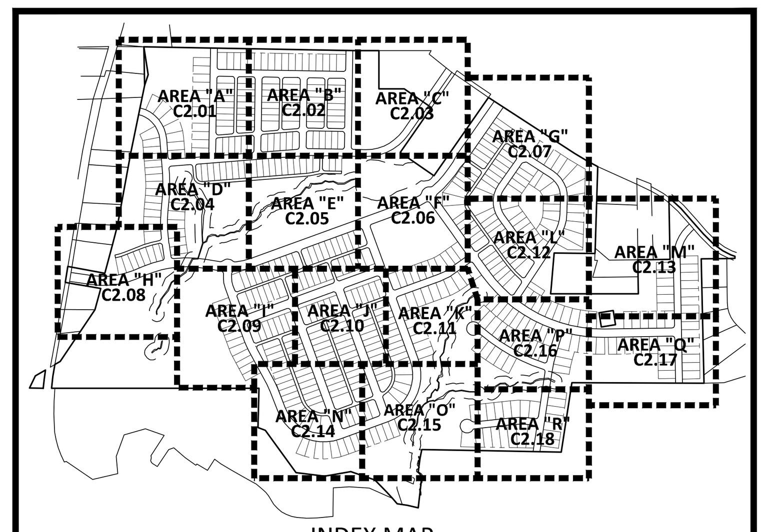
DEMOLITION PLAN

C1.01

M:\Projects\AGN\AGN23001\04-Production\Engineering\Preliminary Subdivision Plat\Current Drawing\AGN23001-DM1.dwg, 3/27/2024 1:49:08 PM, Sherrill Williams

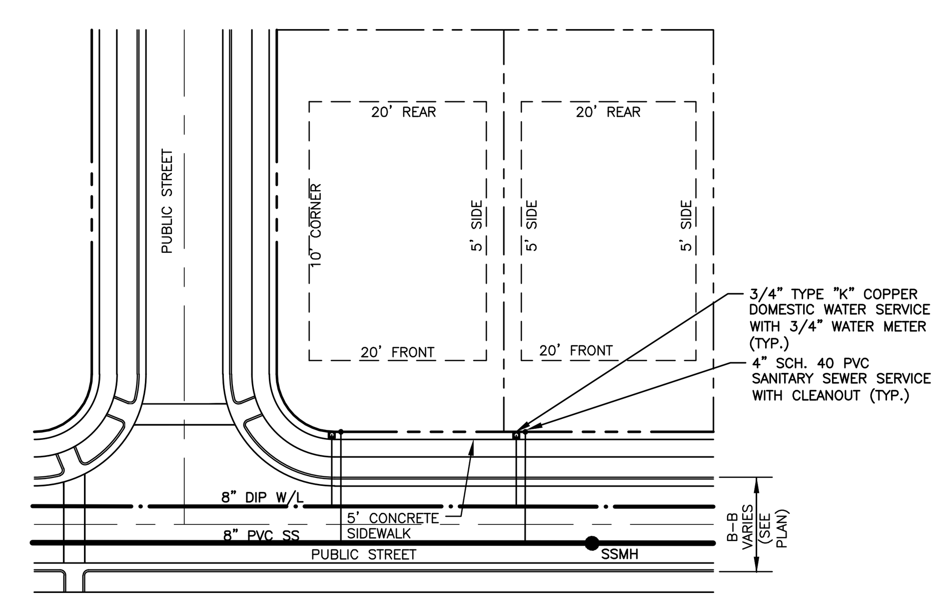
SITE LEGEND

- SIGNAGE
- SITE LIGHTING
- LIGHT POLE
- TRAFFIC DIRECTIONAL ARROW
- ACC — ACCESSIBLE PARKING STALL
- VAN — VAN ACCESSIBLE PARKING STALL
- XX — PARKING SPACE COUNT
- ACCESSIBLE RAMPS
- PHASE LINE
- PROPERTY LINE
- RIGHT-OF-WAY LINE
- LOT LINE
- EASEMENT LINE
- CENTERLINE



INDEX MAP
N.T.S.

8.) All dimensions on private access easements still refer to them as ROW. Update to reflect change from ROW to access easements. This applies to all sheets.



TYPICAL LOT LAYOUT
N.T.S.

GRAPHIC SCALE
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1 inch = 200 ft.

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PSP-23-04

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

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PLAN INFORMATION

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FILENAME	AGN23001-OAS1
CHECKED BY	.
DRAWN BY	.
SCALE	1"=200'
DATE	12. 01. 2023

SHEET

OVERALL PRELIMINARY PLAT

C2.00

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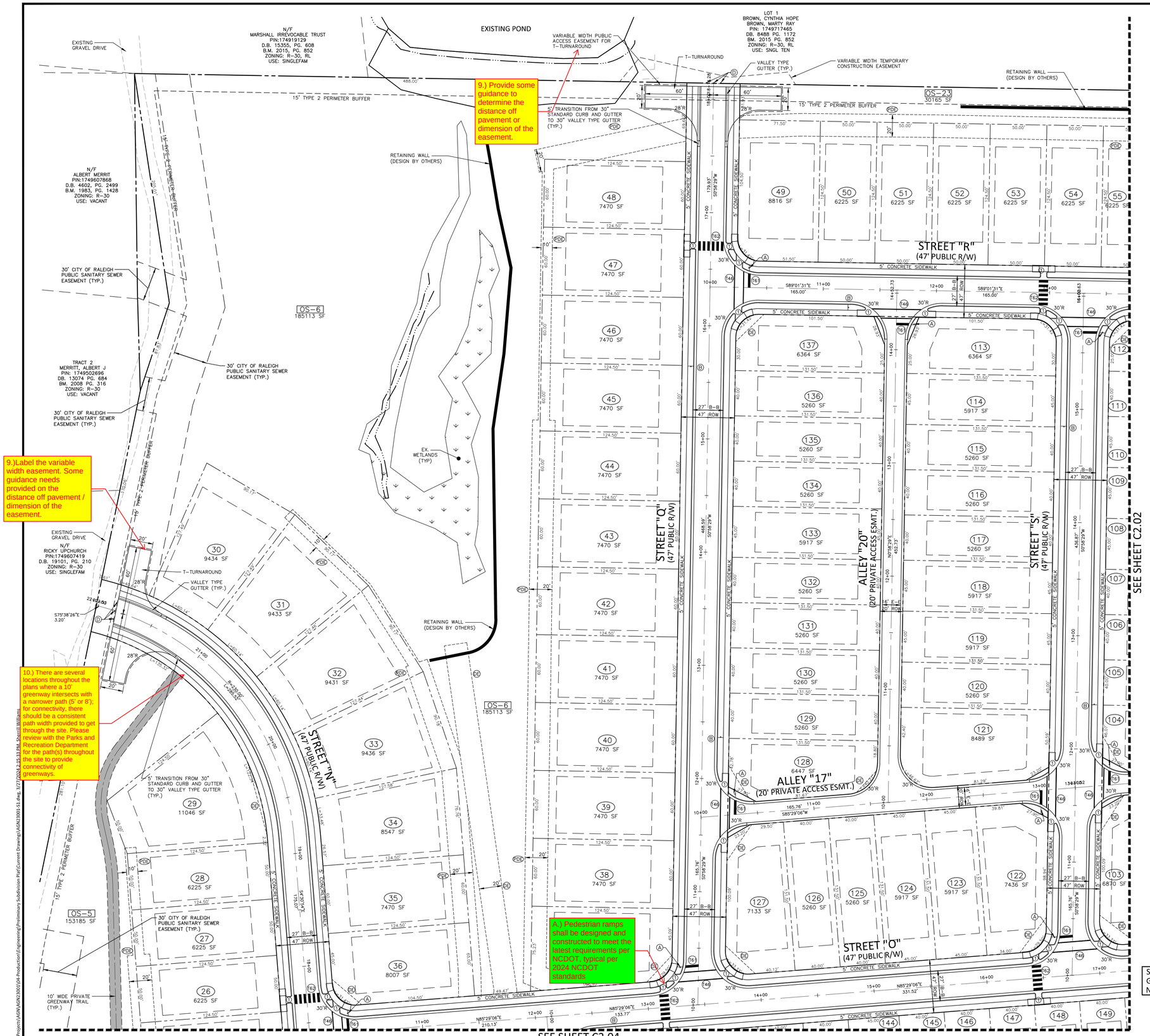
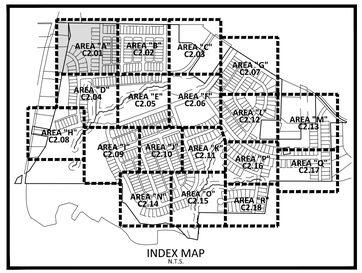


9.) Provide some guidance to determine the distance off pavement or dimension of the easement.

9.)Label the variable width easement. Some guidance needs provided on the distance off pavement / dimension of the easement.

10.) There are several locations throughout the plans where a 10' greenway intersects with a narrower path (5' or 8'); for connectivity, there should be a consistent path width provided to get through the site. Please review with the Parks and Recreation Department for the path(s) throughout the site to provide connectivity of greenways.

A.) Pedestrian ramps shall be designed and constructed to meet the latest requirements per NCDOT, typical per 2024 NCDOT standards



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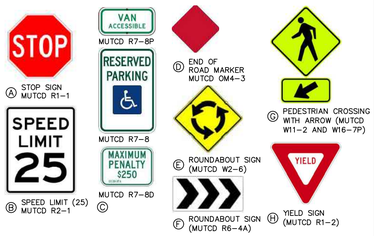
- CENTERLINE

KEY LEGEND

1. ACCESSIBLE RAMP (TYPE R-2B OR N-4 UNLESS OTHERWISE NOTED)
- PDE PRIVATE STORM DRAINAGE EASEMENT
- PE PUBLIC STORM DRAINAGE EASEMENT

11.) Reference ramp standards from NCDOT



NOTES:

1. SEE SHEET C0.01 FOR SIGNAGE CRITERIA NOTES
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC AND ARE TO BE PLACED PER NCDOT STANDARDS (REFERENCE NCDOT DETAILS (1205.01–1205.12)

PAVEMENT MARKING LEGEND

LANE LINES/MARKINGS

- T2 WHITE SOLID LANE LINE (4", 90 MIL)
- T5 2 FT. - 6 FT./SP WHITE MINISKIP (4", 90 MIL)
- T45 3 FT. - 3FT./SP WHITE MINISKIP (8", 90 MIL) (ROUNDABOUTS ONLY)
- T46 WHITE CROSSWALK LINE (8", 90 MIL)
- T61 WHITE STOPBAR (24", 90 MIL)
- T62 WHITE CROSSWALK LINE, HIGH VISIBILITY (24", 90 MIL)
- T103 24" YIELD LINE TRIANGLE (90 MIL)

ARROWS/CHARACTERS

- T70 LEFT TURN ARROW (90 MIL)
- T71 RIGHT TURN ARROW (90 MIL)

GENERAL NOTES:

1. ALL CURB AND GUTTER SHALL BE 30" STANDARD CURB AND GUTTER UNLESS OTHERWISE NOTED.

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

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PSP-23-04

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REVISIONS

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PLAN INFORMATION

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CHECKED BY	.
DRAWN BY	.
SCALE	1"=40'
DATE	12. 01. 2023

SHEET

PRELIMINARY PLAT AND PAVEMENT MARKING PLAN - AREA "A"

C2.01

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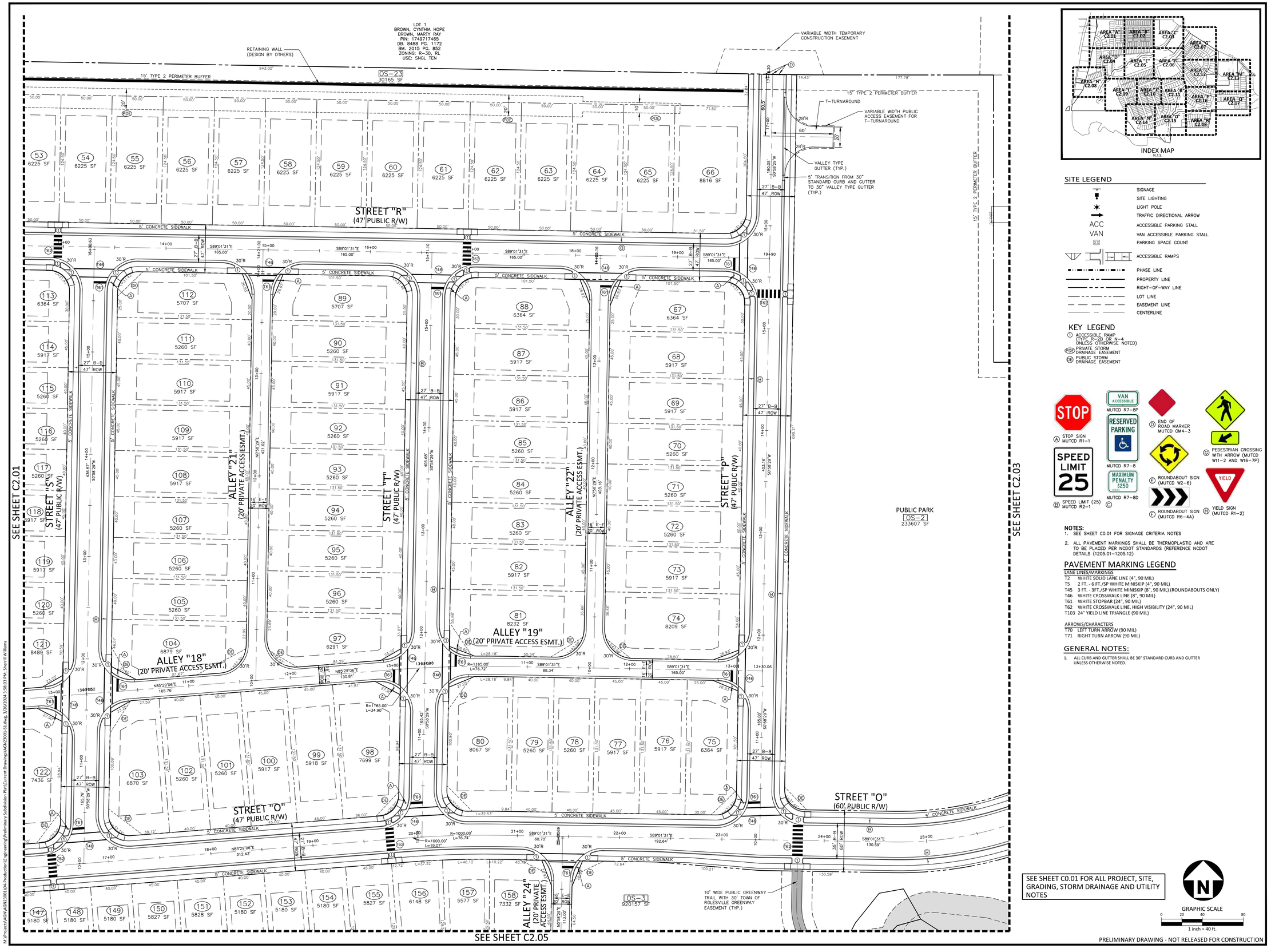

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- LOT LINE
- EASEMENT LINE
- CENTERLINE

KEY LEGEND

1. ACCESSIBLE RAMP (TYPE R-2B OR N-4 UNLESS OTHERWISE NOTED)
- (PDE) PRIVATE STORM DRAINAGE EASEMENT
- (DE) PUBLIC STORM DRAINAGE EASEMENT

(A) STOP SIGN MUTCD R1-1
(B) SPEED LIMIT (25) MUTCD R2-1
(C)
(D) END OF ROAD MARKER MUTCD OM4-3
(E) ROUNDABOUT SIGN (MUTCD W2-6)
(F) ROUNDABOUT SIGN (MUTCD R6-4A)
(G) PEDESTRIAN CROSSING WITH ARROW (MUTCD W11-2 AND W16-7P)
(H) YIELD SIGN (MUTCD R1-2)

NOTES:

1. SEE SHEET C0.01 FOR SIGNAGE CRITERIA NOTES
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC AND ARE TO BE PLACED PER NCDOT STANDARDS (REFERENCE NCDOT DETAILS (1205.01-1205.12)

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- T62 WHITE CROSSWALK LINE, HIGH VISIBILITY (24", 90 MIL)
- T103 24" YIELD LINE TRIANGLE (90 MIL)

ARROWS/CHARACTERS

- T70 LEFT TURN ARROW (90 MIL)
- T71 RIGHT TURN ARROW (90 MIL)

GENERAL NOTES:

1. ALL CURB AND GUTTER SHALL BE 30" STANDARD CURB AND GUTTER UNLESS OTHERWISE NOTED.

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

GRAPHIC SCALE
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1 inch = 40 ft.

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

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DRAWN BY	.
SCALE	1"=40'
DATE	12. 01. 2023

SHEET

PRELIMINARY PLAT AND PAVEMENT MARKING PLAN - AREA "B"

C2.02

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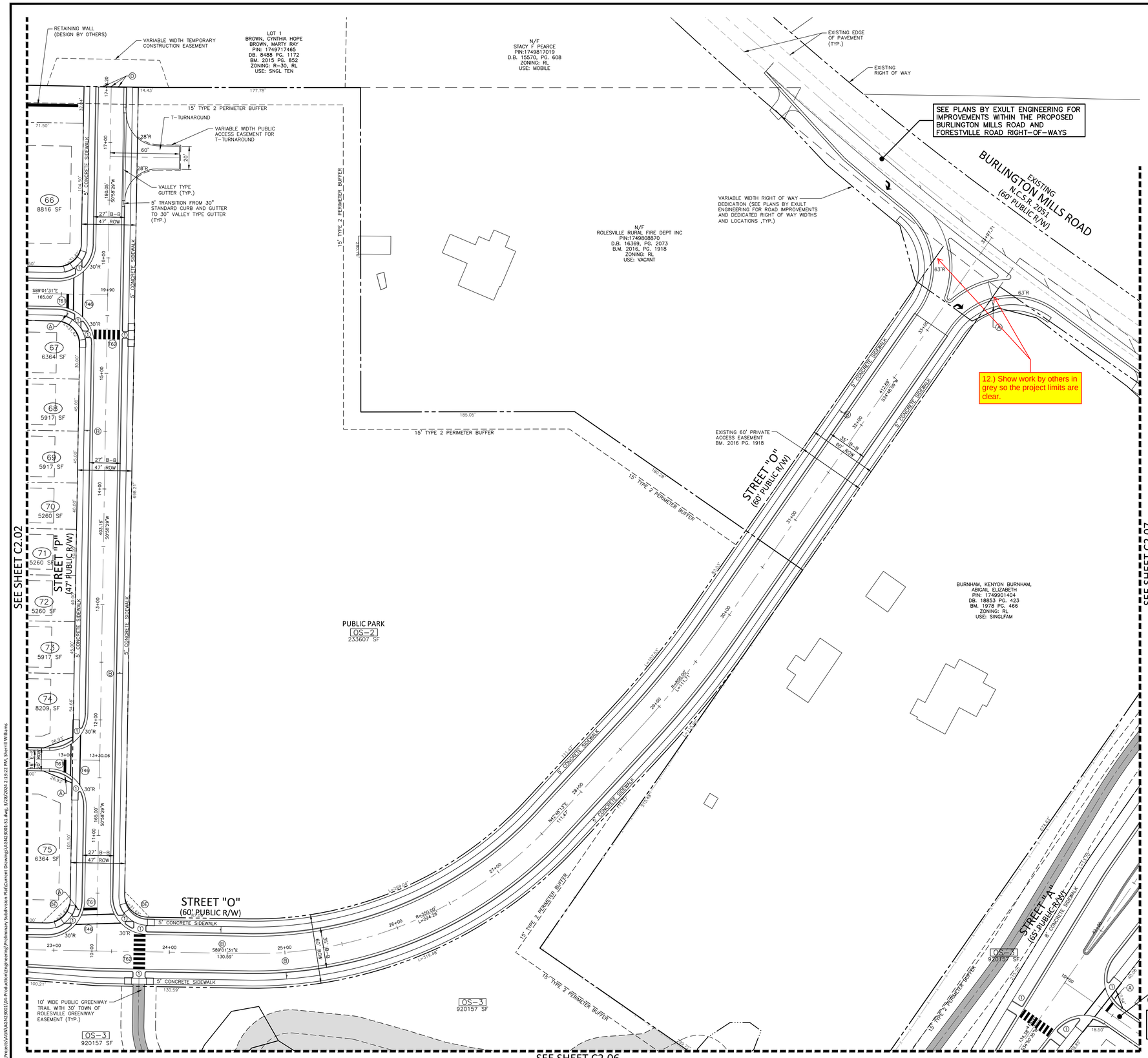
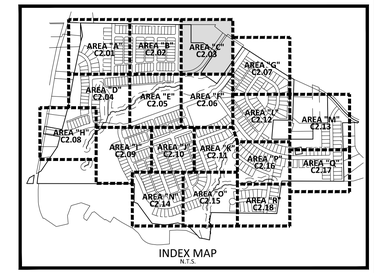


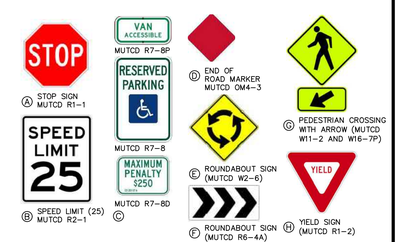


SITE LEGEND

- SIGNAGE
- SITE LIGHTING
- LIGHT POLE
- TRAFFIC DIRECTIONAL ARROW
- ACC / VAN — ACCESSIBLE PARKING STALL; VAN ACCESSIBLE PARKING STALL
- XX — PARKING SPACE COUNT
- ACCESSIBLE RAMPS
- PHASE LINE
- PROPERTY LINE
- RIGHT-OF-WAY LINE
- LOT LINE
- EASEMENT LINE
- CENTERLINE

KEY LEGEND

- (1) ACCESSIBLE RAMP (TYPE R-2B OR N-4 UNLESS OTHERWISE NOTED)
- (PDE) PRIVATE STORM DRAINAGE EASEMENT
- (PE) PUBLIC STORM DRAINAGE EASEMENT



NOTES:

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PAVEMENT MARKING LEGEND

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ARROWS/CHARACTERS

- T70 LEFT TURN ARROW (90 MIL)
- T71 RIGHT TURN ARROW (90 MIL)

GENERAL NOTES:

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

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

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PSP-23-04

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

REVISIONS

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PLAN INFORMATION

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FILENAME	AGN23001-S1
CHECKED BY	.
DRAWN BY	.
SCALE	1"=40'
DATE	12. 01. 2023

SHEET

PRELIMINARY PLAT AND PAVEMENT MARKING PLAN - AREA "C"

C2.03

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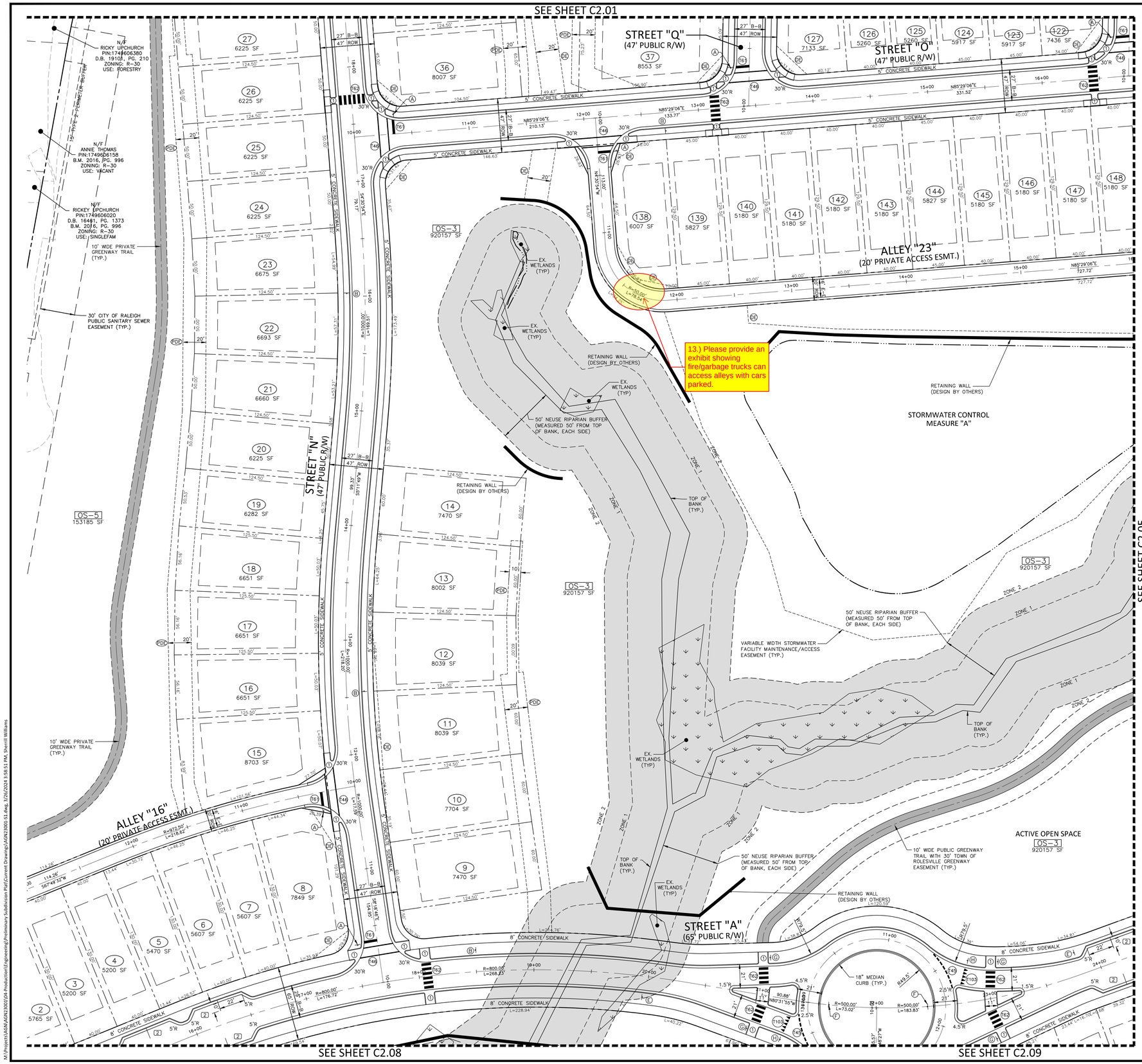

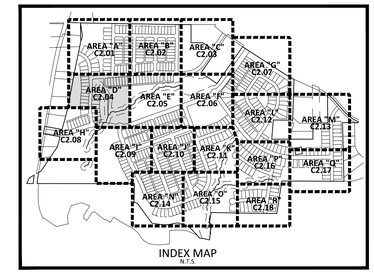

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- CENTERLINE

KEY LEGEND

1. ACCESSIBLE RAMP (TYPE R-2B OR N-4 UNLESS OTHERWISE NOTED)
- PDE — PRIVATE STORM DRAINAGE EASEMENT
- PE — PUBLIC STORM DRAINAGE EASEMENT

(A) STOP SIGN MUTCD R1-1
(B) SPEED LIMIT (25) MUTCD R2-1
(C) MUTCD R7-8P, MUTCD R7-8, MUTCD R7-8D
(D) END OF ROAD MARKER MUTCD OM4-3
(E) ROUNDABOUT SIGN (MUTCD W2-6)
(F) ROUNDABOUT SIGN (MUTCD R6-4A)
(G) PEDESTRIAN CROSSING WTH ARROW (MUTCD W11-2 AND W16-7P)
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NOTES:

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ARROWS/CHARACTERS

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GENERAL NOTES:

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CHECKED BY	.
DRAWN BY	.
SCALE	1"=40'
DATE	12. 01. 2023

SHEET

PRELIMINARY PLAT AND PAVEMENT MARKING PLAN - AREA "D"

C2.04

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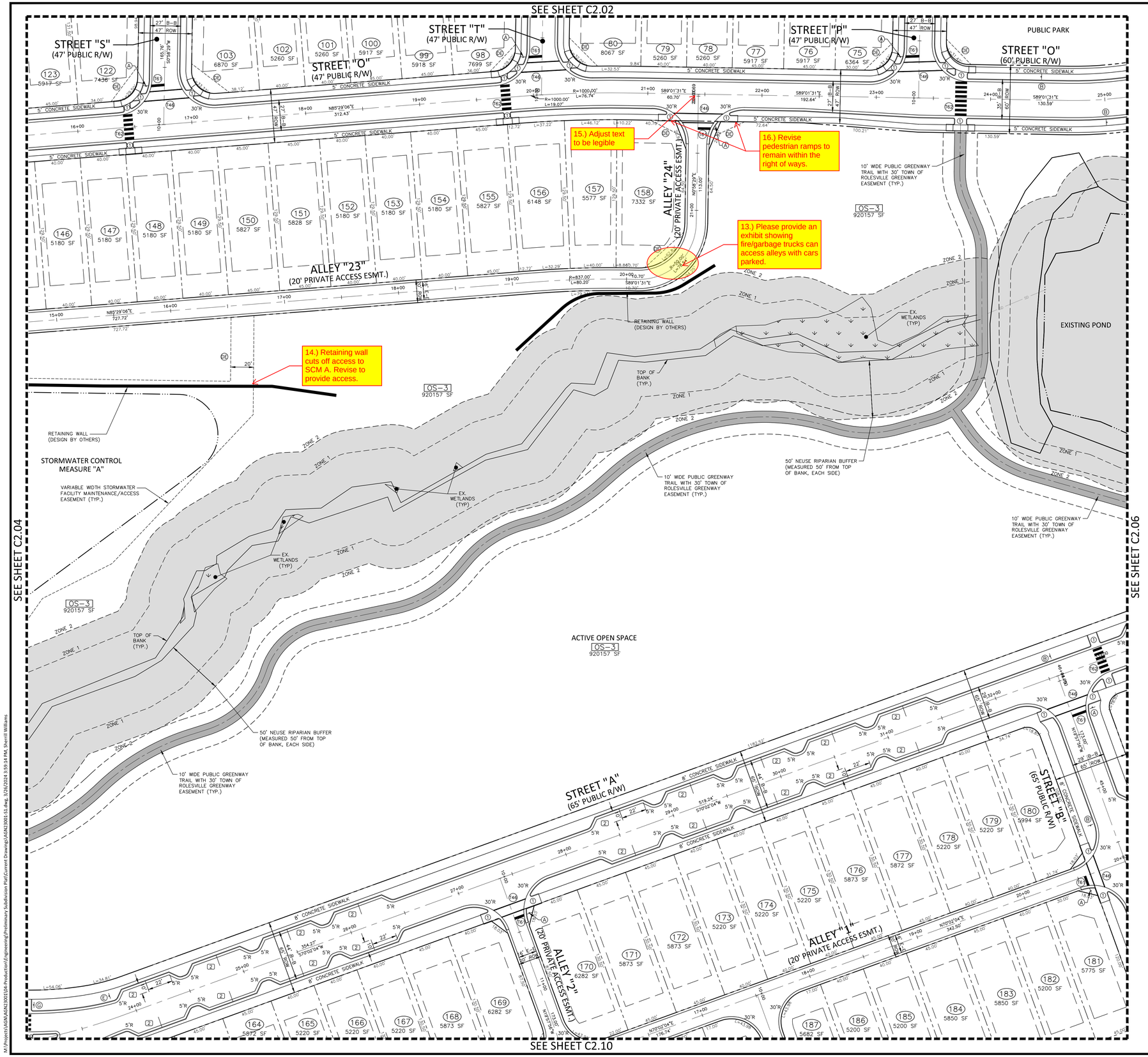

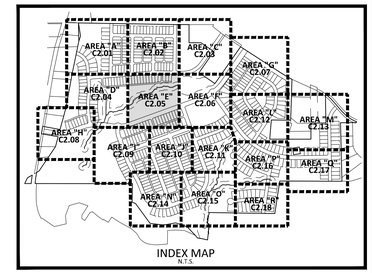

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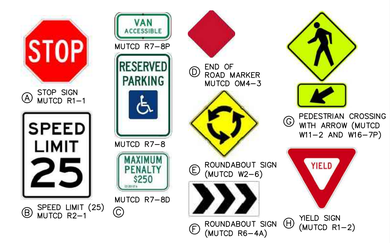

NOTES:

1. SEE SHEET C0.01 FOR SIGNAGE CRITERIA NOTES
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC AND ARE TO BE PLACED PER NCDOT STANDARDS (REFERENCE NCDOT DETAILS (1205.01-1205.12)

PAVEMENT MARKING LEGEND

LANE LINES/MARKINGS

- T2 WHITE SOLID LANE LINE (4", 90 MIL)
- T5 2 FT. - 6 FT./SP WHITE MINISKIP (4", 90 MIL)
- T45 3 FT. - 3FT./SP WHITE MINISKIP (8", 90 MIL) (ROUNDABOUTS ONLY)
- T46 WHITE CROSSWALK LINE (8", 90 MIL)
- T61 WHITE STOPBAR (24", 90 MIL)
- T62 WHITE CROSSWALK LINE, HIGH VISIBILITY (24", 90 MIL)
- T103 24" YIELD LINE TRIANGLE (90 MIL)

ARROWS/CHARACTERS

- T70 LEFT TURN ARROW (90 MIL)
- T71 RIGHT TURN ARROW (90 MIL)

GENERAL NOTES:

1. ALL CURB AND GUTTER SHALL BE 30" STANDARD CURB AND GUTTER UNLESS OTHERWISE NOTED.

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

MCADAMS
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Durham, NC 27713

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CLIENT

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RALEIGH, NORTH CAROLINA 27615
CONTACT: JACOB ANDERSON
PHONE: 919. 239. 9486

AGNC BROKERAGE | CONSULTING | PLANNING

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PRELIMINARY PLAT PLANS
BURLINGTON MILLS ROAD
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP, WAKE COUNTY, NORTH CAROLINA

PSP-23-04

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

REVISIONS

NO.	DATE	
1	04. 01. 2024	REVISED PER TOWN COMMENTS

PLAN INFORMATION

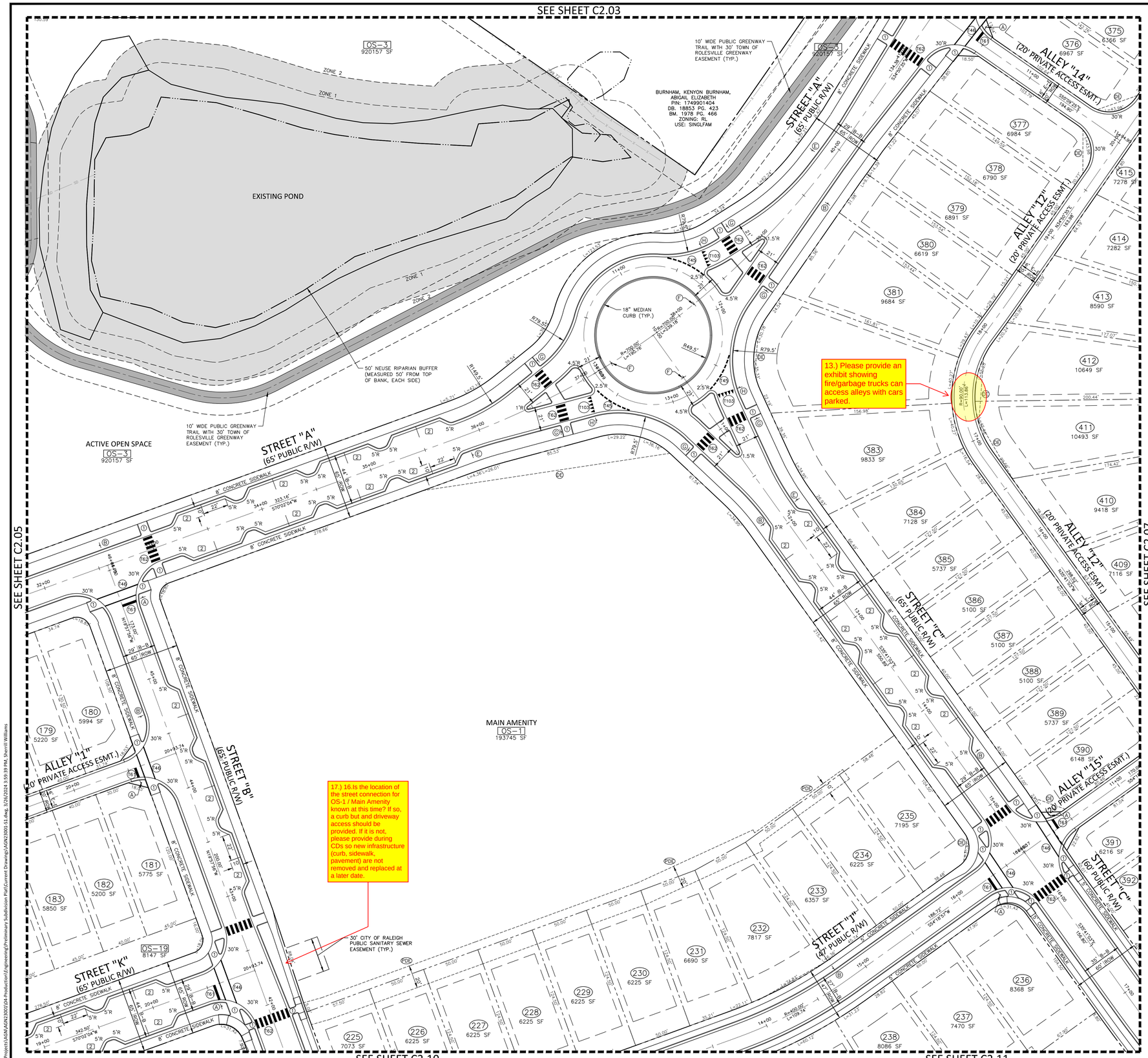
PROJECT NO.	AGN23001
FILENAME	AGN23001-S1
CHECKED BY	.
DRAWN BY	.
SCALE	1"=40'
DATE	12. 01. 2023

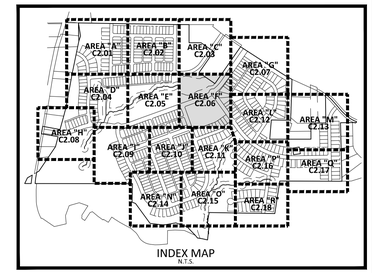
SHEET

PRELIMINARY PLAT AND PAVEMENT MARKING PLAN - AREA "E"

C2.05

M:\Projects\AGN\AGN23001\04-Production\Engineering\Preliminary Subdivision Plat\Current Drawings\AGN23001-S1.dwg, 7/26/2024 3:59:14 PM, Sherrill Williams





SITE LEGEND

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- LIGHT POLE
- TRAFFIC DIRECTIONAL ARROW
- ACC — ACCESSIBLE PARKING STALL
- VAN — VAN ACCESSIBLE PARKING STALL
- XX — PARKING SPACE COUNT
- ACCESSIBLE RAMPS
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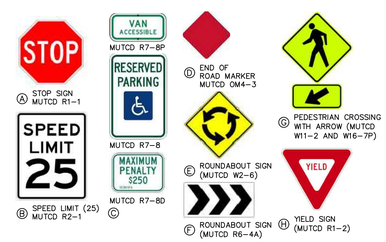
- PROPERTY LINE
- RIGHT-OF-WAY LINE
- LOT LINE
- EASEMENT LINE
- CENTERLINE

KEY LEGEND

1. ACCESSIBLE RAMP (TYPE R-2B OR N-4 UNLESS OTHERWISE NOTED)
- PDE — PRIVATE STORM DRAINAGE EASEMENT
- DE — PUBLIC STORM DRAINAGE EASEMENT



NOTES:

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- T62 WHITE CROSSWALK LINE, HIGH VISIBILITY (24", 90 MIL)
- T103 24" YIELD LINE TRIANGLE (90 MIL)

ARROWS/CHARACTERS

- T70 LEFT TURN ARROW (90 MIL)
- T71 RIGHT TURN ARROW (90 MIL)

GENERAL NOTES:

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SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

GRAPHIC SCALE
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1 inch = 40 ft.

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

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PSP-23-04

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

REVISIONS

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PLAN INFORMATION

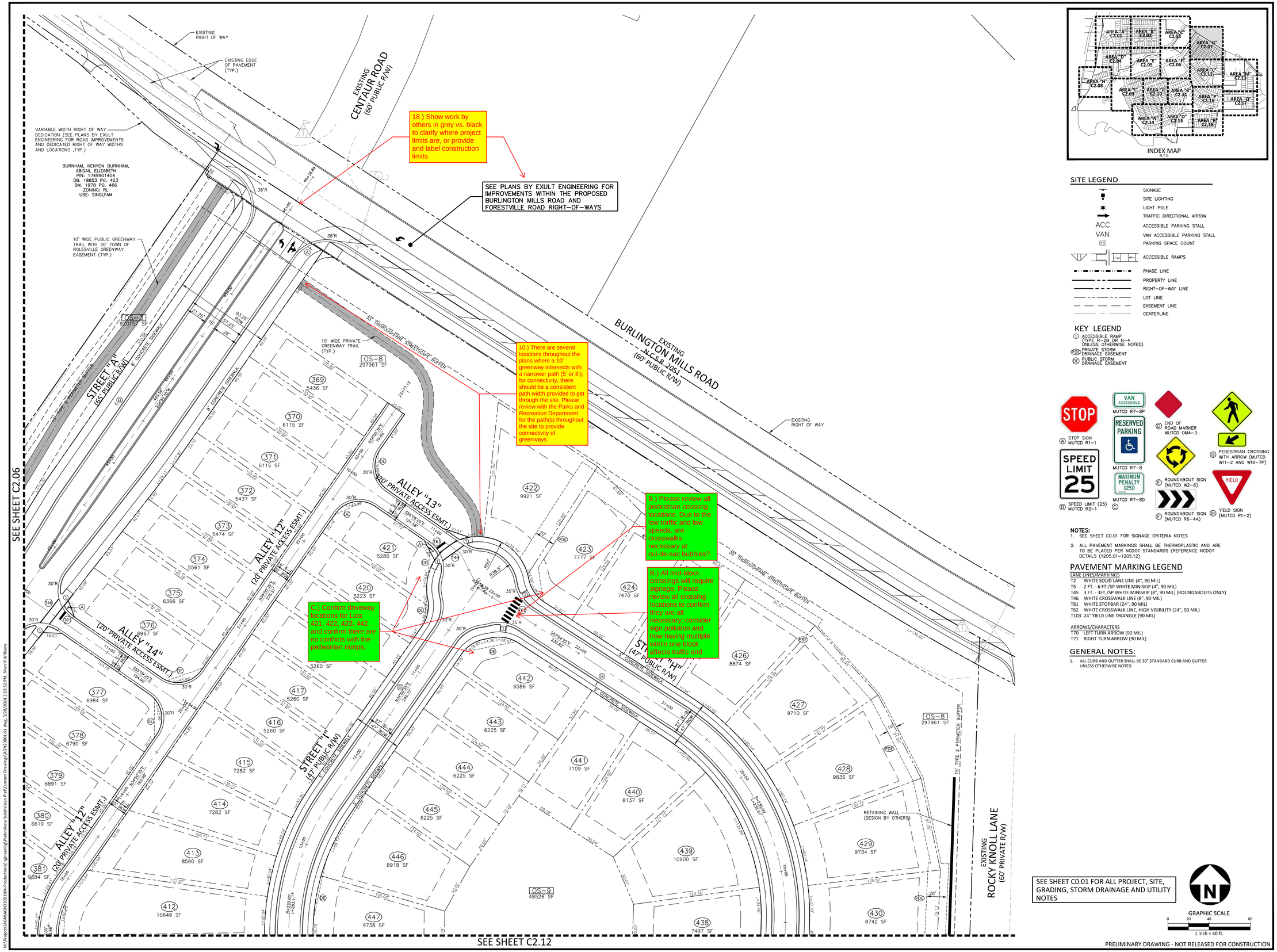
PROJECT NO.	AGN23001
FILENAME	AGN23001-S1
CHECKED BY	.
DRAWN BY	.
SCALE	1"=40'
DATE	12. 01. 2023

SHEET

PRELIMINARY PLAT AND PAVEMENT MARKING PLAN - AREA "F"

C2.06

M:\Projects\AGN\AGN23001\04-Production\Engineering\Preliminary Subdivision Plat\Current Drawings\AGN23001-S1.dwg, 3/26/2024 3:59:39 PM, Sherrill Williams



INDEX MAP
N.T.S.

SITE LEGEND

- SIGNAGE
- SITE LIGHTING
- LIGHT POLE
- TRAFFIC DIRECTIONAL ARROW
- ACC / VAN — ACCESSIBLE PARKING STALL; VAN ACCESSIBLE PARKING STALL
- XX — PARKING SPACE COUNT
- ACCESSIBLE RAMPS
- PHASE LINE
- PROPERTY LINE
- RIGHT-OF-WAY LINE
- LOT LINE
- EASEMENT LINE
- CENTERLINE

KEY LEGEND

1. ACCESSIBLE RAMP (TYPE R-2B OR N-4 UNLESS OTHERWISE NOTED)
- PDE PRIVATE STORM DRAINAGE EASEMENT
- DE PUBLIC STORM DRAINAGE EASEMENT

(A) STOP SIGN MUTCD R1-1
(B) SPEED LIMIT (25) MUTCD R2-1
(C)
(D) END OF ROAD MARKER MUTCD OM4-3
(E) ROUNDABOUT SIGN (MUTCD W2-6)
(F) ROUNDABOUT SIGN (MUTCD R6-4A)
(G) PEDESTRIAN CROSSING WTH ARROW (MUTCD W11-2 AND W16-7P)
(H) YIELD SIGN (MUTCD R1-2)

NOTES:

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ARROWS/CHARACTERS

- T70 LEFT TURN ARROW (90 MIL)
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GENERAL NOTES:

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GRAPHIC SCALE
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1 inch = 40 ft.

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

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REVISIONS

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PLAN INFORMATION

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CHECKED BY	.
DRAWN BY	.
SCALE	1"=40'
DATE	12. 01. 2023

SHEET

PRELIMINARY PLAT AND PAVEMENT MARKING PLAN - AREA "G"

C2.07

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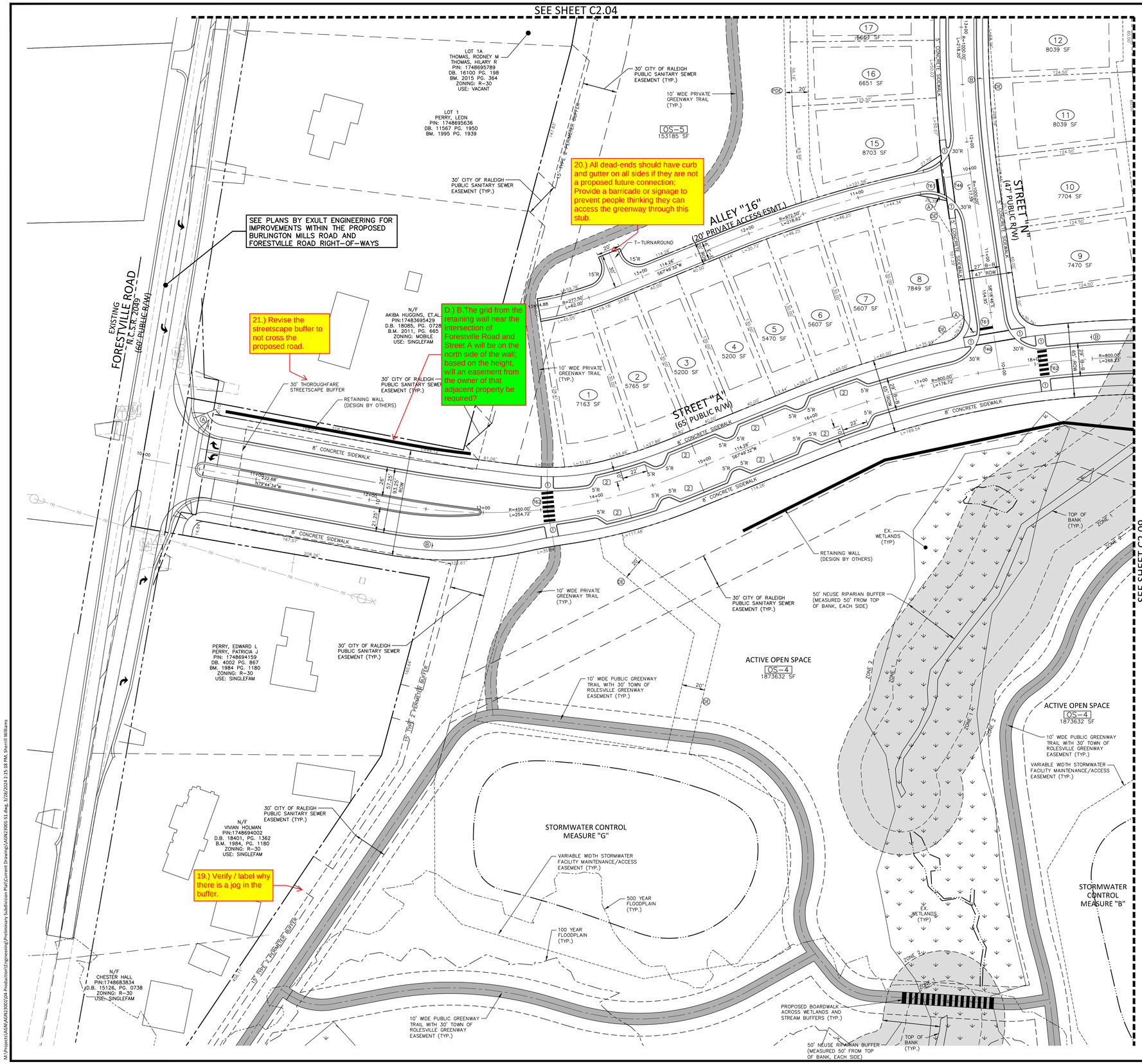

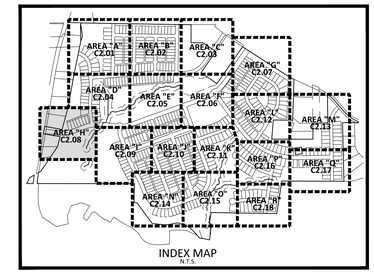

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KEY LEGEND

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NOTES:

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GRAPHIC SCALE
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PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

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PLAN INFORMATION

PROJECT NO.	AGN23001
FILENAME	AGN23001-S1
CHECKED BY	.
DRAWN BY	.
SCALE	1"=40'
DATE	12. 01. 2023

SHEET

PRELIMINARY PLAT AND PAVEMENT MARKING PLAN - AREA "H"

C2.08

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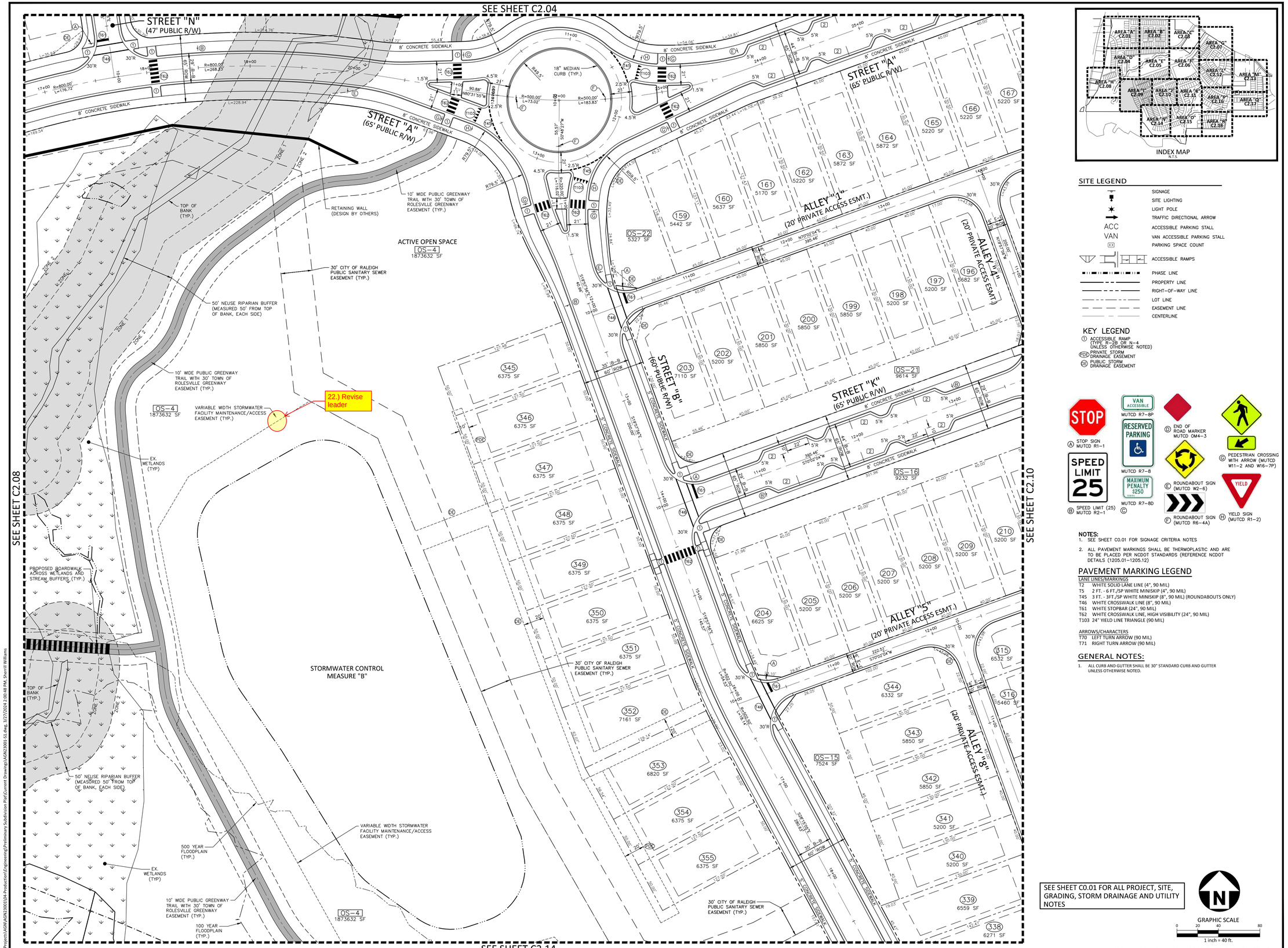

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B SPEED LIMIT (25) MUTCD R2-1
C MUTCD R7-8P
MUTCD R7-8
MUTCD R7-8D
D END OF ROAD MARKER MUTCD OM4-3
E ROUNDABOUT SIGN (MUTCD W2-6)
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PLAN INFORMATION

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FILENAME	AGN23001-S1
CHECKED BY	.
DRAWN BY	.
SCALE	1"=40'
DATE	12. 01. 2023

SHEET

PRELIMINARY PLAT AND PAVEMENT MARKING PLAN - AREA "I"

C2.09

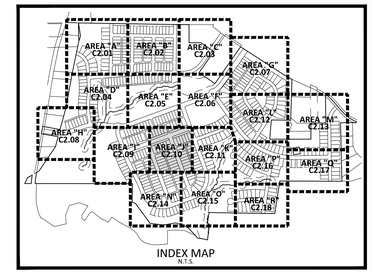
M:\Projects\AGN\AGN23001\04-Production\Engineering\Preliminary Subdivision Plat\Current Drawings\AGN23001-S1.dwg, 3/27/2024 2:00:48 PM, Sherrill Williams

SEE SHEET C2.06

SEE SHEET C2.09

SEE SHEET C2.11

SEE SHEET C2.14



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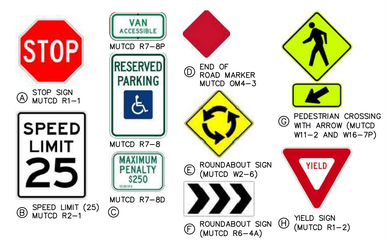

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N

GRAPHIC SCALE
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1 inch = 40 ft.

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

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PSP-23-04

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

REVISIONS

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PLAN INFORMATION

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DRAWN BY	.
SCALE	1"=40'
DATE	12. 01. 2023

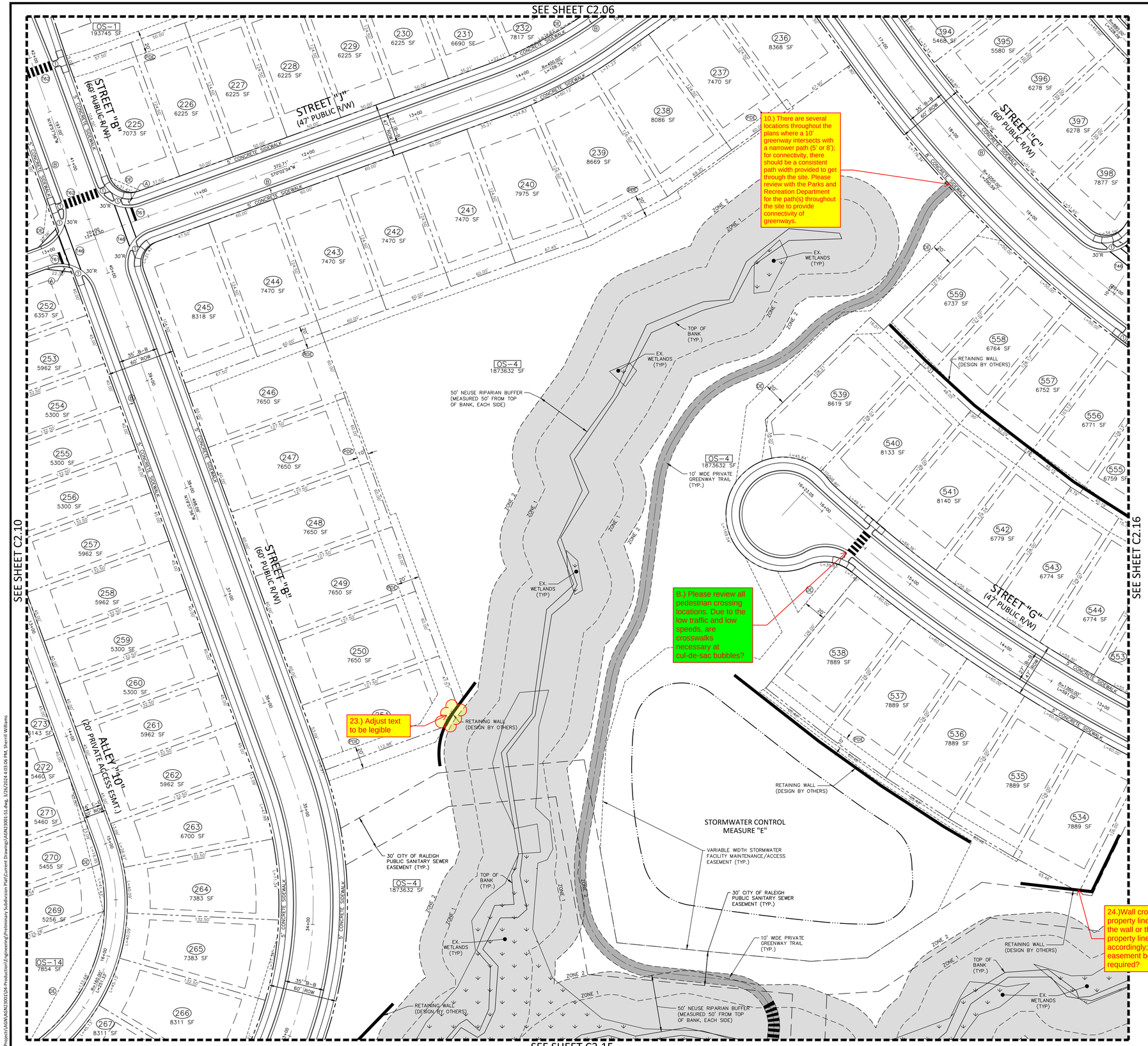
SHEET

PRELIMINARY PLAT AND PAVEMENT MARKING PLAN - AREA "J"

C2.10

M:\Projects\AGN\AGN23001\04-Production\Engineering\Preliminary Subdivision Plat\Current Drawings\AGN23001-S1.dwg, 3/26/2024 4:01:54 PM, Sherrill Williams

SEE SHEET C2.06



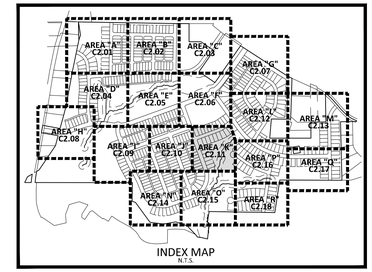
10.) There are several locations throughout the plans where a 10' greenway intersects with a narrower path (5' or 8'); for connectivity, there should be a consistent path width provided to get through the site. Please review with the Parks and Recreation Department for the path(s) throughout the site to provide connectivity of greenways.

8.) Please review all pedestrian crossing locations. Due to the low traffic and low speeds, are crosswalks necessary at cul-de-sac bubbles?

23.) Adjust text to be legible

24.)Wall crosses property line; Adjust the wall or the property line accordingly; will an easement be required?

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES



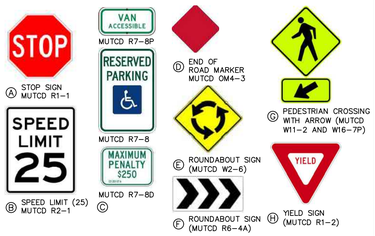
INDEX MAP
N.T.S.

SITE LEGEND

- SIGNAGE
- SITE LIGHTING
- LIGHT POLE
- TRAFFIC DIRECTIONAL ARROW
- ACC — ACCESSIBLE PARKING STALL
- VAN — VAN ACCESSIBLE PARKING STALL
- XX — PARKING SPACE COUNT
- ACCESSIBLE RAMPS
- PHASE LINE
- PROPERTY LINE
- RIGHT-OF-WAY LINE
- LOT LINE
- EASEMENT LINE
- CENTERLINE

KEY LEGEND

1. ACCESSIBLE RAMP (TYPE R-2B OR N-4 UNLESS OTHERWISE NOTED)
- PDE PRIVATE STORM DRAINAGE EASEMENT
- DE PUBLIC STORM DRAINAGE EASEMENT



NOTES:

1. SEE SHEET C0.01 FOR SIGNAGE CRITERIA NOTES
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC AND ARE TO BE PLACED PER NCDOT STANDARDS (REFERENCE NCDOT DETAILS (1205.01–1205.12)

PAVEMENT MARKING LEGEND

LANE LINES/MARKINGS

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- T46 WHITE CROSSWALK LINE (8", 90 MIL)
- T61 WHITE STOPBAR (24", 90 MIL)
- T62 WHITE CROSSWALK LINE, HIGH VISIBILITY (24", 90 MIL)
- T103 24" YIELD LINE TRIANGLE (90 MIL)

ARROWS/CHARACTERS

- T70 LEFT TURN ARROW (90 MIL)
- T71 RIGHT TURN ARROW (90 MIL)

GENERAL NOTES:

1. ALL CURB AND GUTTER SHALL BE 30" STANDARD CURB AND GUTTER UNLESS OTHERWISE NOTED.

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

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
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PSP-23-04

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

REVISIONS

NO.	DATE	
1	04. 01. 2024	REVISED PER TOWN COMMENTS

PLAN INFORMATION

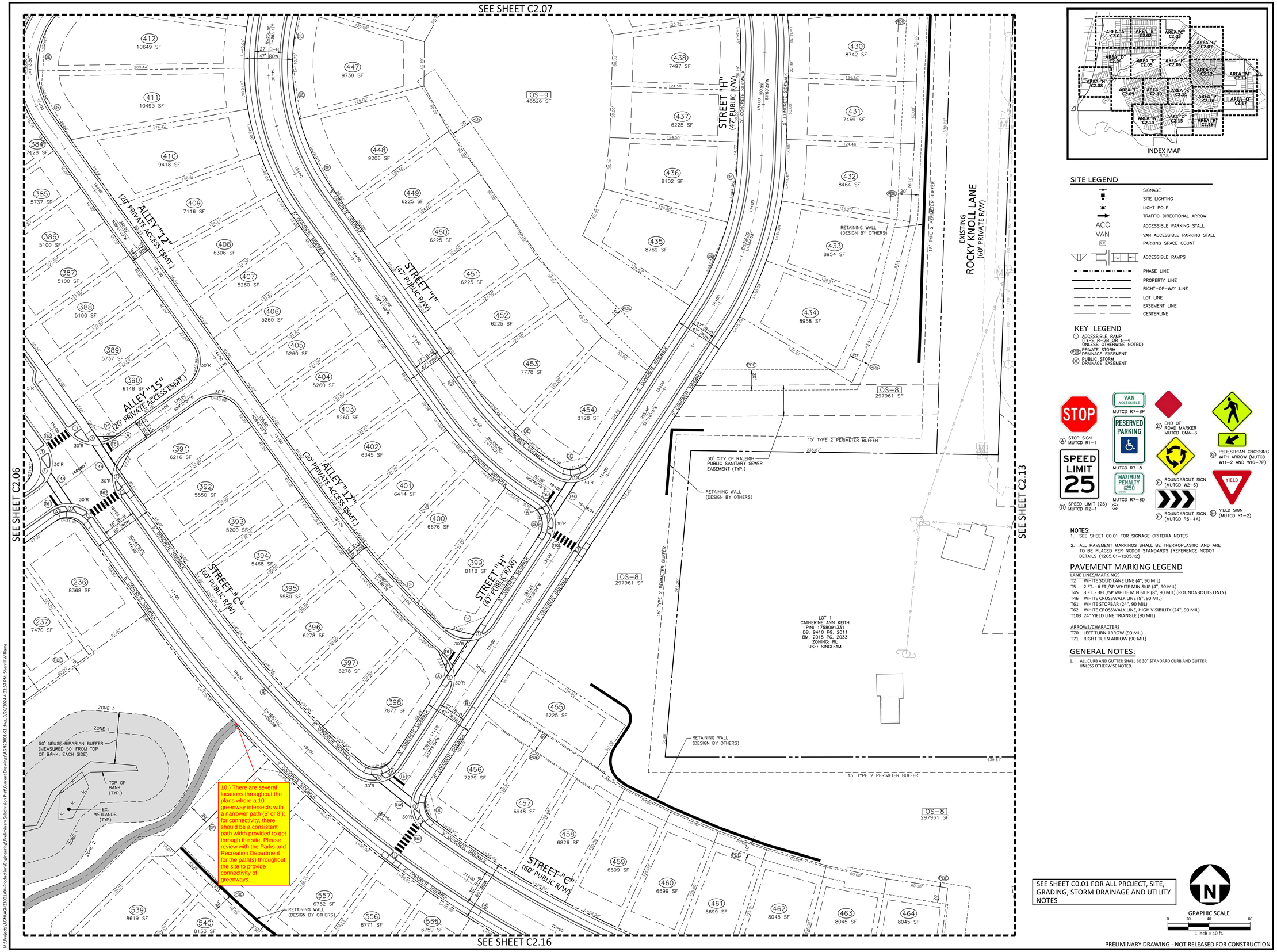
PROJECT NO.	AGN23001
FILENAME	AGN23001-S1
CHECKED BY	.
DRAWN BY	.
SCALE	1"=40'
DATE	12. 01. 2023

SHEET

PRELIMINARY PLAT AND PAVEMENT MARKING PLAN - AREA "K"

C2.11

M:\Projects\AGN\AGN23001\04-Production\Engineering\Preliminary Subdivision Plat\Current Drawing\AGN23001-S1.dwg, 3/26/2024 4:03:06 PM, Sherrill Williams



INDEX MAP
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- LOT LINE
- EASEMENT LINE
- CENTERLINE

KEY LEGEND

1. ACCESSIBLE RAMP (TYPE R-2B OR N-4 UNLESS OTHERWISE NOTED)

PDE PRIVATE STORM DRAINAGE EASEMENT

PE PUBLIC STORM DRAINAGE EASEMENT

A STOP SIGN MUTCD R1-1

B SPEED LIMIT (25) MUTCD R2-1

C MUTCD R7-8P, MUTCD R7-8, MUTCD R7-8D

D END OF ROAD MARKER MUTCD OM4-3

E ROUNDABOUT SIGN (MUTCD W2-6)

F ROUNDABOUT SIGN (MUTCD R6-4A)

G PEDESTRIAN CROSSING WTH ARROW (MUTCD W11-2 AND W16-7P)

H YIELD SIGN (MUTCD R1-2)

NOTES:

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GRAPHIC SCALE
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1 inch = 40 ft.

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PROJECT NO.	AGN23001
FILENAME	AGN23001-S1
CHECKED BY	.
DRAWN BY	.
SCALE	1"=40'
DATE	12. 01. 2023

SHEET

PRELIMINARY PLAT AND PAVEMENT MARKING PLAN - AREA "L"

C2.12

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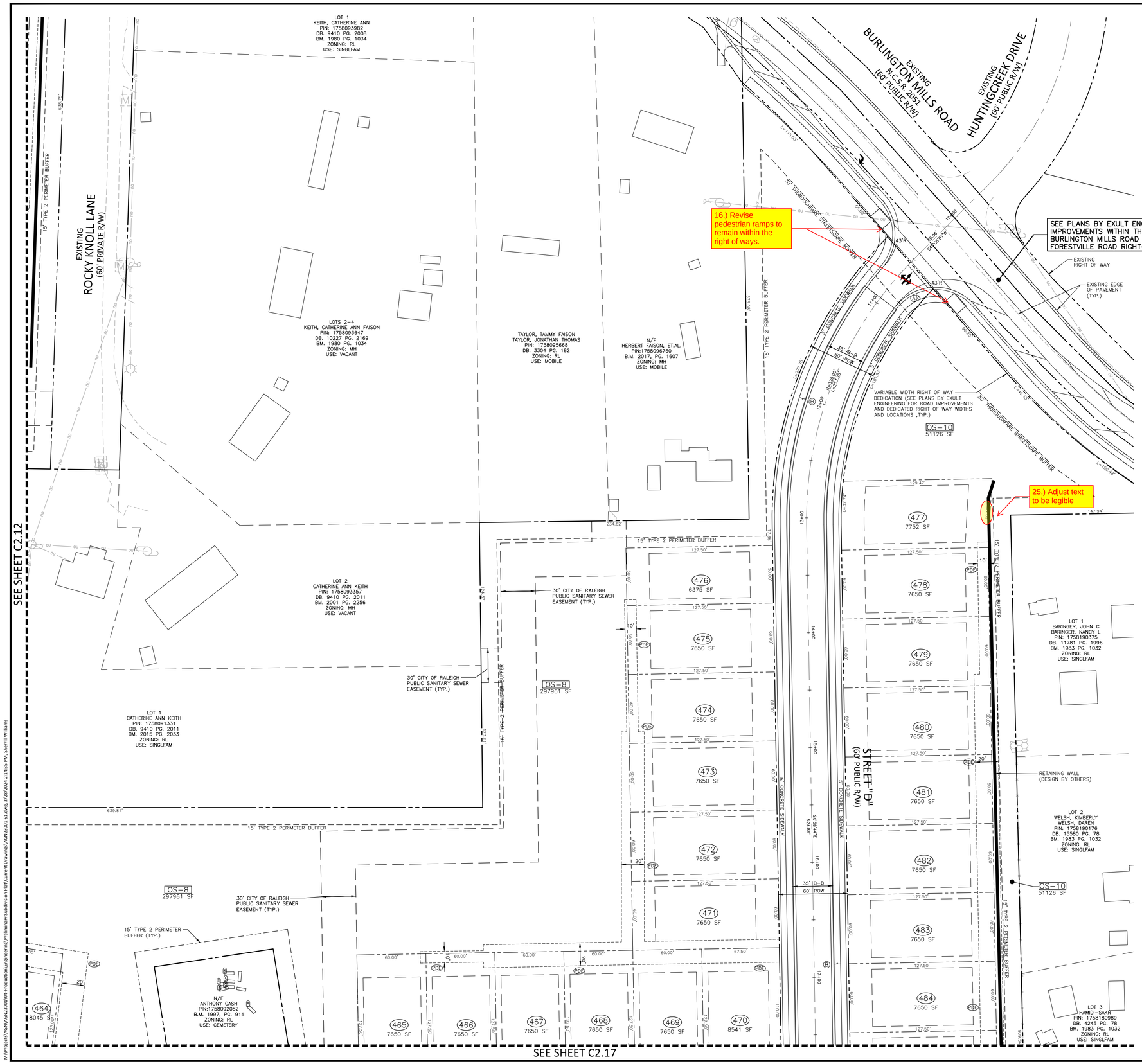

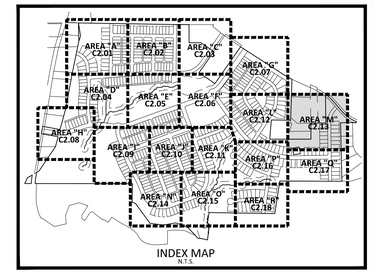

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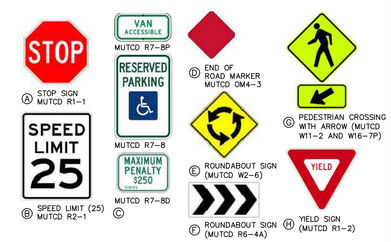
- RIGHT-OF-WAY LINE
- LOT LINE
- EASEMENT LINE
- CENTERLINE

KEY LEGEND

1. ACCESSIBLE RAMP (TYPE R-2B OR N-4 UNLESS OTHERWISE NOTED)
- PDE PRIVATE STORM DRAINAGE EASEMENT
- PE PUBLIC STORM DRAINAGE EASEMENT



A. STOP SIGN MUTCD R1-1
B. SPEED LIMIT (25) MUTCD R2-1
C. MUTCD R7-8P; MUTCD R7-8; MUTCD R7-8D
D. END OF ROAD MARKER MUTCD OM4-3
E. ROUNDABOUT SIGN (MUTCD W2-6)
F. ROUNDABOUT SIGN (MUTCD R6-4A)
G. PEDESTRIAN CROSSING WTH ARROW (MUTCD W11-2 AND W16-7P)
H. YIELD SIGN (MUTCD R1-2)

NOTES:

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PAVEMENT MARKING LEGEND

LANE LINES/MARKINGS

- T2 WHITE SOLID LANE LINE (4", 90 MIL)
- T5 2 FT. - 6 FT./SP WHITE MINISKIP (4", 90 MIL)
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ARROWS/CHARACTERS

- T70 LEFT TURN ARROW (90 MIL)
- T71 RIGHT TURN ARROW (90 MIL)

GENERAL NOTES:

1. ALL CURB AND GUTTER SHALL BE 30" STANDARD CURB AND GUTTER UNLESS OTHERWISE NOTED.

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

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

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PSP-23-04

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

REVISIONS

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PLAN INFORMATION

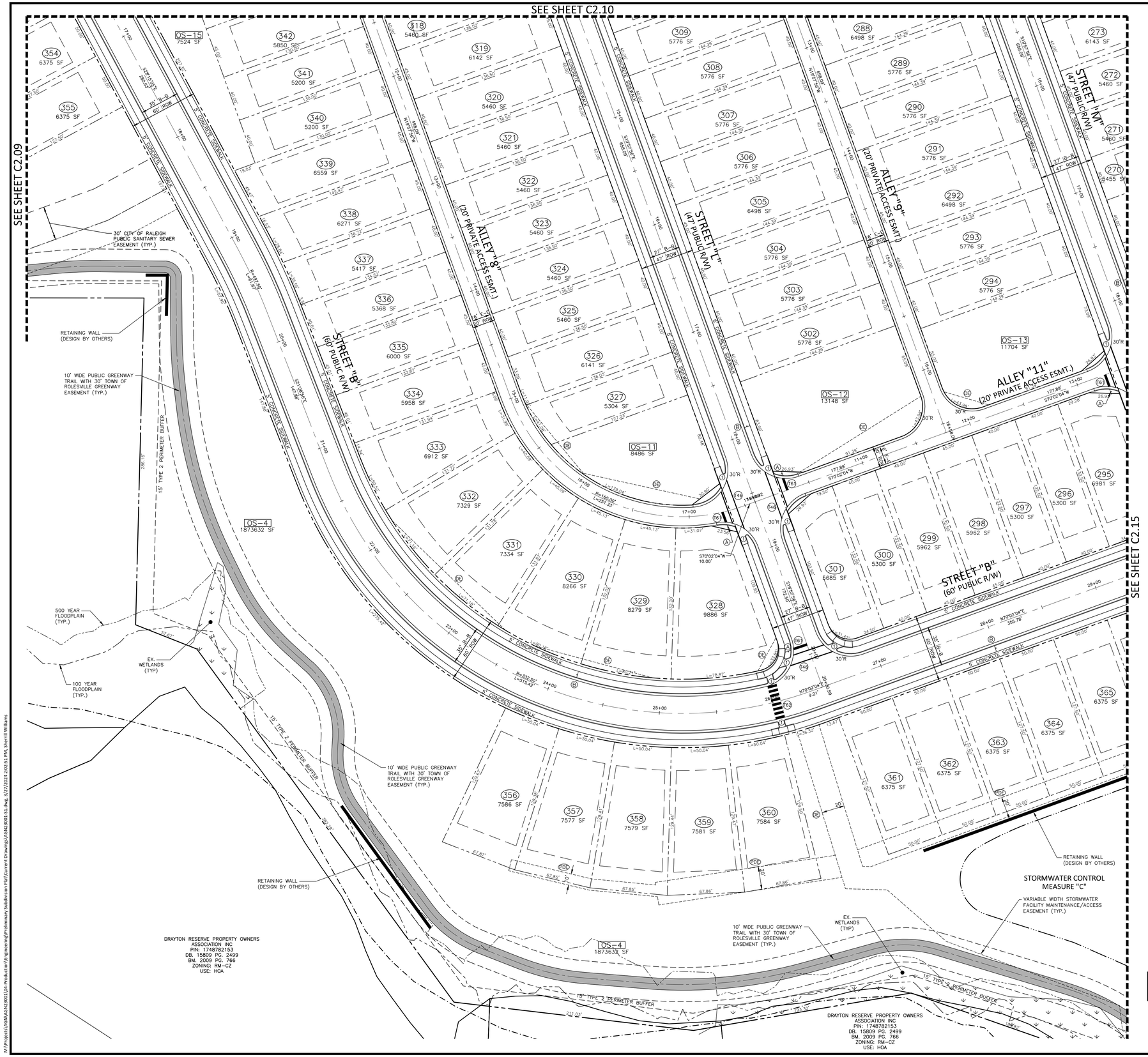
PROJECT NO.	AGN23001
FILENAME	AGN23001-S1
CHECKED BY	.
DRAWN BY	.
SCALE	1"=40'
DATE	12. 01. 2023

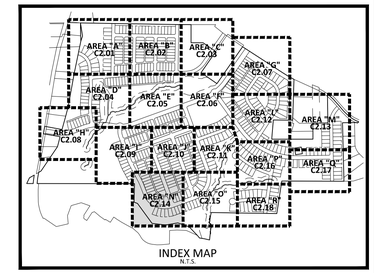
SHEET

PRELIMINARY PLAT AND PAVEMENT MARKING PLAN - AREA "M"

C2.13

M:\Project\AGN\AGN23001\04-Production\Engineering\Preliminary Subdivision Plat\Current Drawings\AGN23001-S1.dwg, 3/28/2024 2:14:35 PM, Sherrill Williams





INDEX MAP
N.T.S.

SITE LEGEND

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- ACCESSIBLE RAMPS
- PHASE LINE
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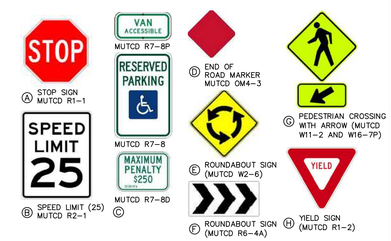
- LOT LINE
- EASEMENT LINE
- CENTERLINE

KEY LEGEND

1. ACCESSIBLE RAMP (TYPE R-2B OR N-4 UNLESS OTHERWISE NOTED)
- PDE PRIVATE STORM DRAINAGE EASEMENT
- DE PUBLIC STORM DRAINAGE EASEMENT



- A STOP SIGN MUTCD R1-1
- B SPEED LIMIT (25) MUTCD R2-1
- C MUTCD R7-8P, MUTCD R7-8, MUTCD R7-8D
- D END OF ROAD MARKER MUTCD OM4-3
- E ROUNDABOUT SIGN (MUTCD W2-6)
- F ROUNDABOUT SIGN (MUTCD R6-4A)
- G PEDESTRIAN CROSSING WITH ARROW (MUTCD W11-2 AND W16-7P)
- H YIELD SIGN (MUTCD R1-2)

NOTES:

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2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC AND ARE TO BE PLACED PER NCDOT STANDARDS (REFERENCE NCDOT DETAILS (1205.01-1205.12)

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LANE LINES/MARKINGS

- T2 WHITE SOLID LANE LINE (4", 90 MIL)
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- T103 24" YIELD LINE TRIANGLE (90 MIL)

ARROWS/CHARACTERS

- T70 LEFT TURN ARROW (90 MIL)
- T71 RIGHT TURN ARROW (90 MIL)

GENERAL NOTES:

1. ALL CURB AND GUTTER SHALL BE 30" STANDARD CURB AND GUTTER UNLESS OTHERWISE NOTED.

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N

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

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

MCADAMS
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PSP-23-04

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

REVISIONS

NO.	DATE	
1	04. 01. 2024	REVISED PER TOWN COMMENTS

PLAN INFORMATION

PROJECT NO.	AGN23001
FILENAME	AGN23001-S1
CHECKED BY	.
DRAWN BY	.
SCALE	1"=40'
DATE	12. 01. 2023

SHEET

PRELIMINARY PLAT AND PAVEMENT MARKING PLAN - AREA "N"

C2.14

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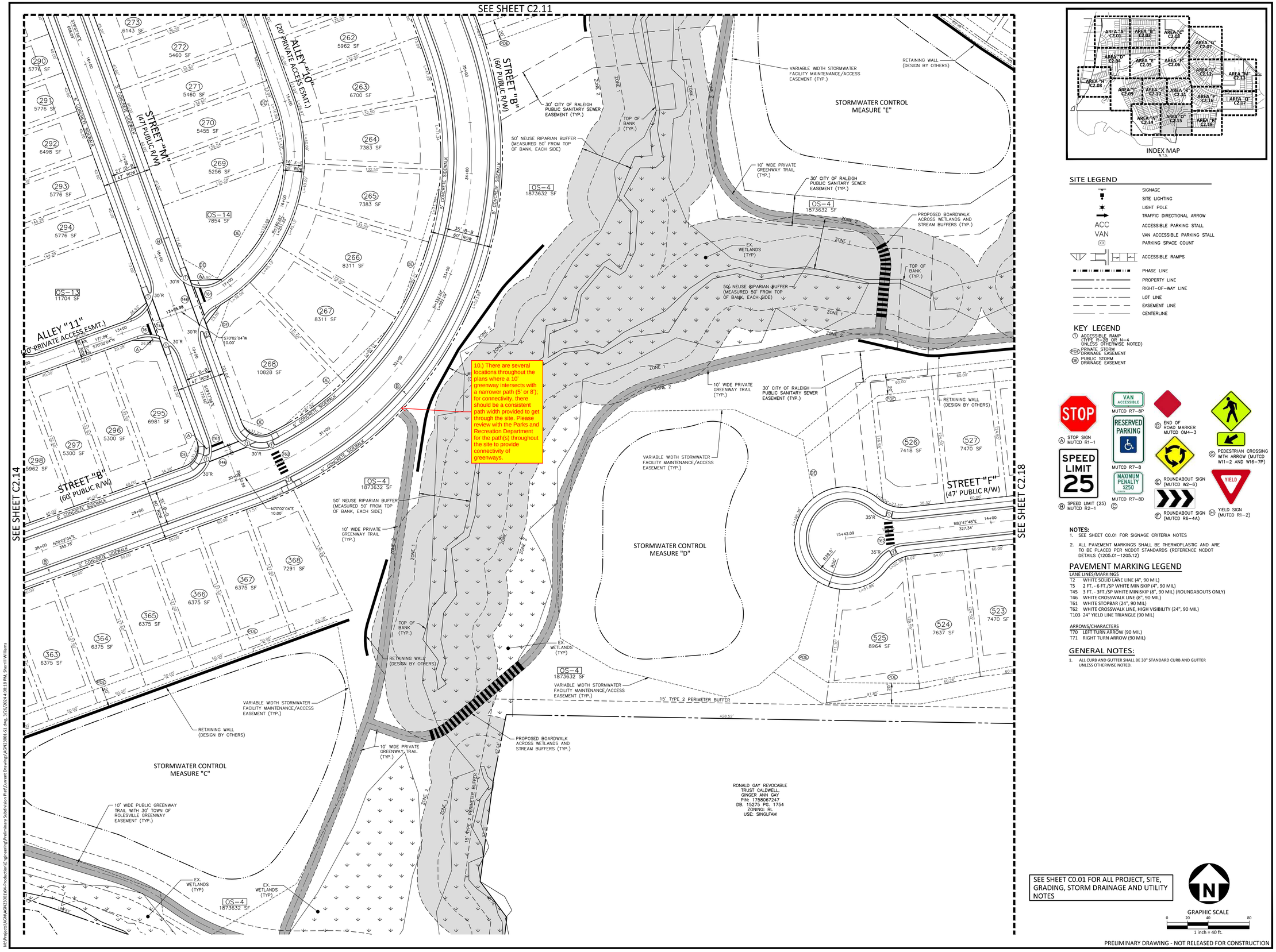

SITE LEGEND

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KEY LEGEND

- (1) ACCESSIBLE RAMP (TYPE R-2B OR N-4 UNLESS OTHERWISE NOTED)
- (PDE) PRIVATE STORM DRAINAGE EASEMENT
- (PE) PUBLIC STORM DRAINAGE EASEMENT

NOTES:

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CHECKED BY	.
DRAWN BY	.
SCALE	1"=40'
DATE	12. 01. 2023

SHEET

PRELIMINARY PLAT AND PAVEMENT MARKING PLAN - AREA "O"

C2.15

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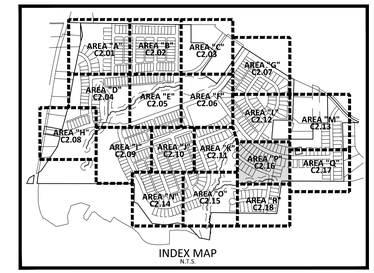

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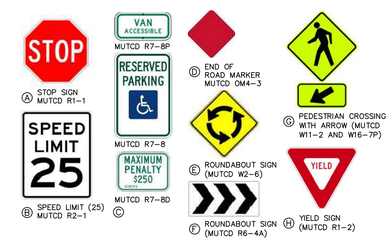

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PRELIMINARY PLAT PLANS
BURLINGTON MILLS ROAD
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP, WAKE COUNTY, NORTH CAROLINA

PSP-23-04

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

REVISIONS

NO.	DATE	
1	04. 01. 2024	REVISED PER TOWN COMMENTS

PLAN INFORMATION

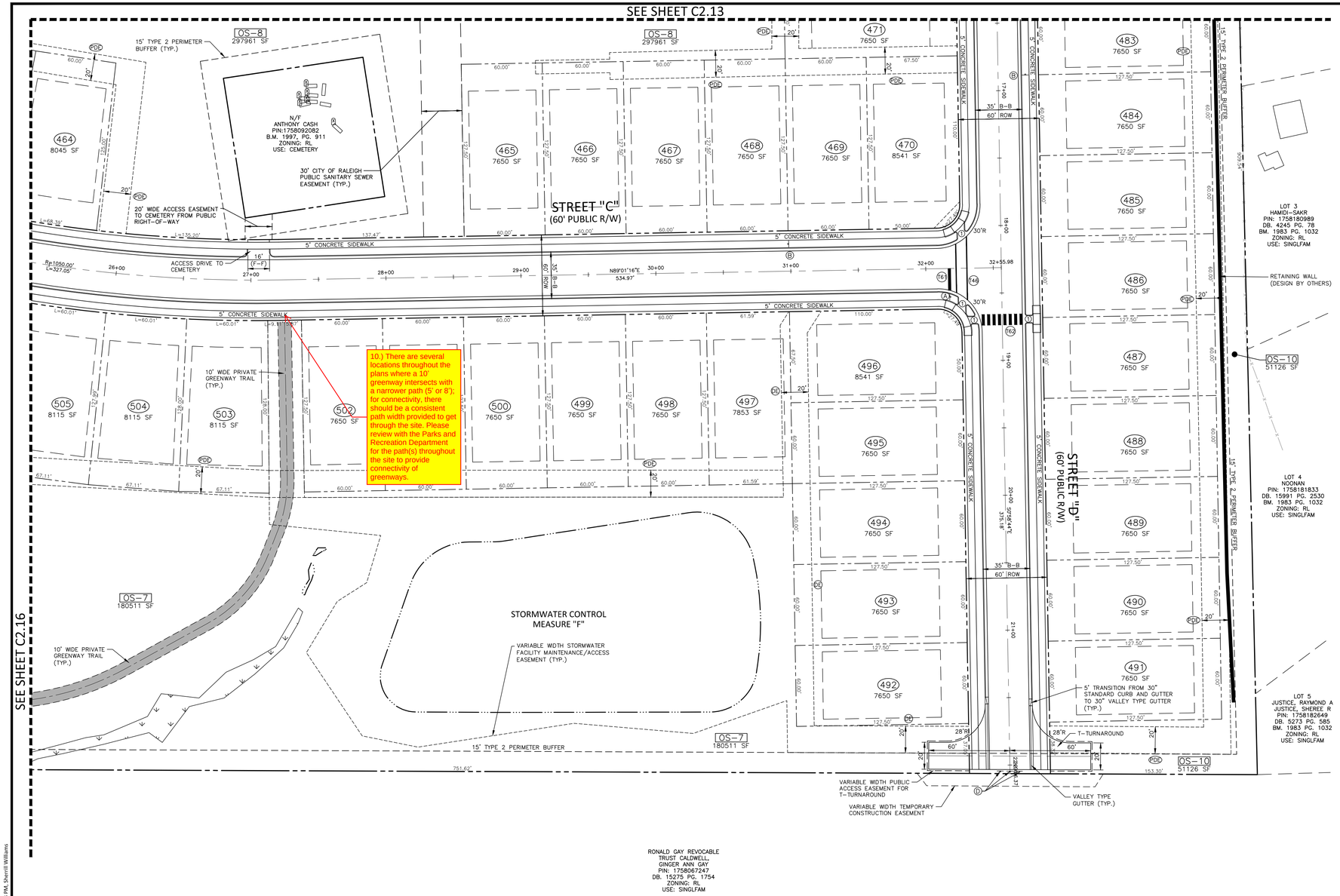
PROJECT NO.	AGN23001
FILENAME	AGN23001-S1
CHECKED BY	.
DRAWN BY	.
SCALE	1"=40'
DATE	12. 01. 2023

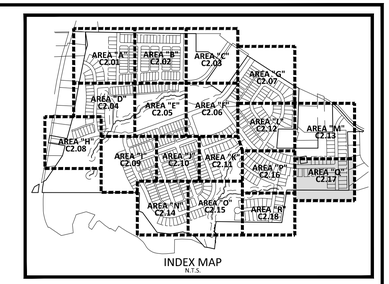
SHEET

PRELIMINARY PLAT AND PAVEMENT MARKING PLAN - AREA "P"

C2.16

M:\Projects\AGN\AGN23001\04-Production\Engineering\Preliminary Subdivision Plat\Current Drawings\AGN23001-S1.dwg, 3/26/2024 4:08:40 PM, Sherrill Williams





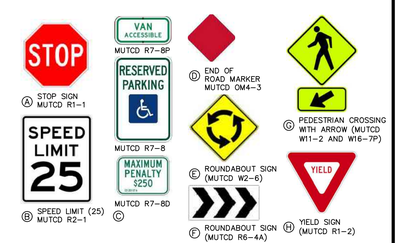
INDEX MAP
N.T.S.

SITE LEGEND

- SIGNAGE
- SITE LIGHTING
- LIGHT POLE
- TRAFFIC DIRECTIONAL ARROW
- ACC / VAN — ACCESSIBLE PARKING STALL; VAN ACCESSIBLE PARKING STALL
- XX — PARKING SPACE COUNT
- ACCESSIBLE RAMPS
- PHASE LINE
- PROPERTY LINE
- RIGHT-OF-WAY LINE
- LOT LINE
- EASEMENT LINE
- CENTERLINE

KEY LEGEND

1. ACCESSIBLE RAMP (TYPE R-2B OR N-4 UNLESS OTHERWISE NOTED)
- PDE PRIVATE STORM DRAINAGE EASEMENT
- PE PUBLIC STORM DRAINAGE EASEMENT



(A) STOP SIGN MUTCD R1-1
(B) SPEED LIMIT (25) MUTCD R2-1
(C)
(D) END OF ROAD MARKER MUTCD OM4-3
(E) ROUNDABOUT SIGN (MUTCD W2-6)
(F) ROUNDABOUT SIGN (MUTCD R6-4A)
(G) PEDESTRIAN CROSSING WTH ARROW (MUTCD W11-2 AND W16-7P)
(H) YIELD SIGN (MUTCD R1-2)

NOTES:

1. SEE SHEET C0.01 FOR SIGNAGE CRITERIA NOTES
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC AND ARE TO BE PLACED PER NCDOT STANDARDS (REFERENCE NCDOT DETAILS (1205.01-1205.12)

PAVEMENT MARKING LEGEND

LANE LINES/MARKINGS

- T2 WHITE SOLID LANE LINE (4", 90 MIL)
- T5 2 FT. - 6 FT./SP WHITE MINISKIP (4", 90 MIL)
- T45 3 FT. - 3FT./SP WHITE MINISKIP (8", 90 MIL) (ROUNDABOUTS ONLY)
- T46 WHITE CROSSWALK LINE (8", 90 MIL)
- T61 WHITE STOPBAR (24", 90 MIL)
- T62 WHITE CROSSWALK LINE, HIGH VISIBILITY (24", 90 MIL)
- T103 24" YIELD LINE TRIANGLE (90 MIL)

ARROWS/CHARACTERS

- T70 LEFT TURN ARROW (90 MIL)
- T71 RIGHT TURN ARROW (90 MIL)

GENERAL NOTES:

1. ALL CURB AND GUTTER SHALL BE 30" STANDARD CURB AND GUTTER UNLESS OTHERWISE NOTED.

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
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PEARCE FARM
PRELIMINARY PLAT PLANS
BURLINGTON MILLS ROAD
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP, WAKE COUNTY, NORTH CAROLINA

PSP-23-04

NORTH CAROLINA PROFESSIONAL SEAL 22630 ENGINEER WILLIAM T. O'DANIEL
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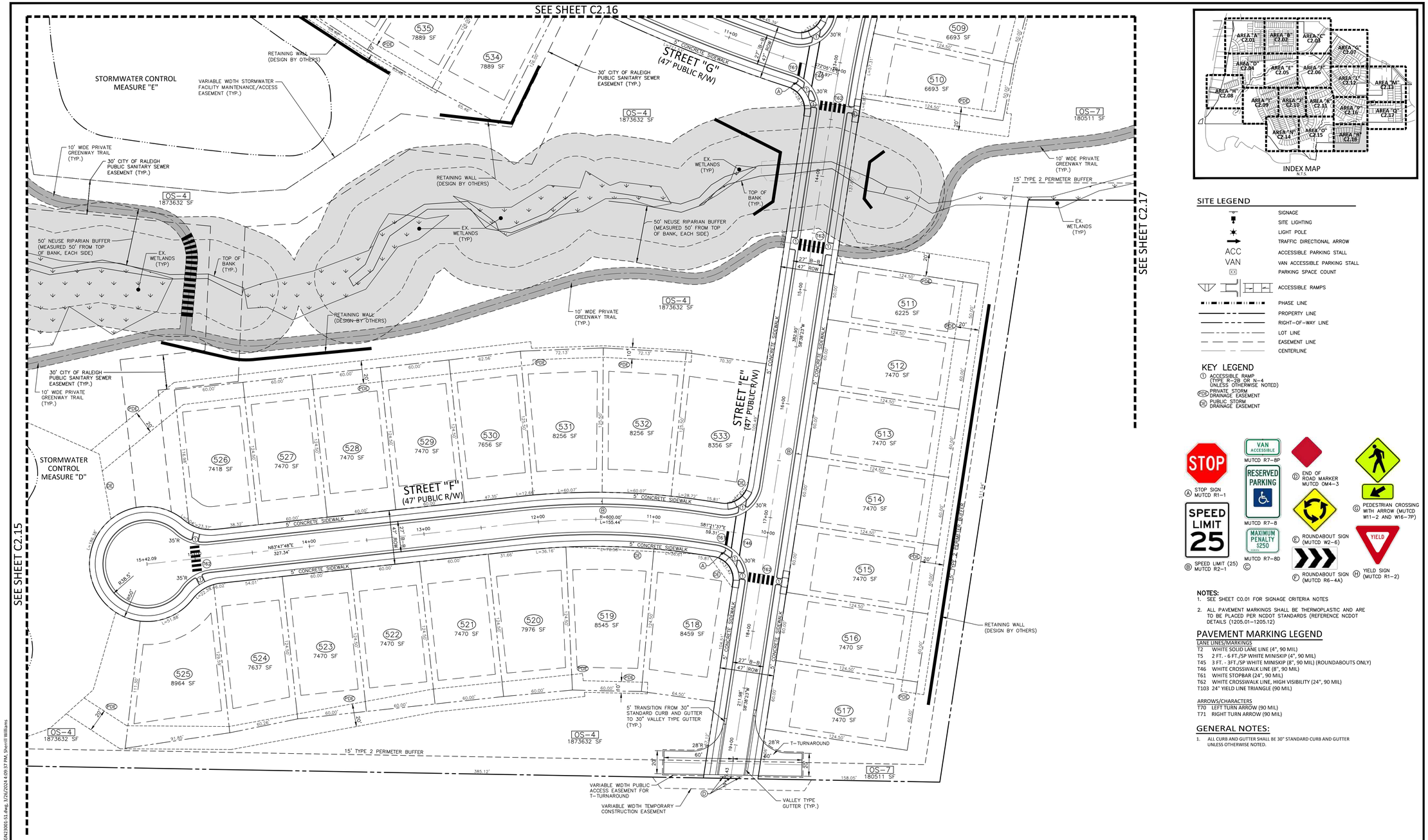
DRAWN BY	.
SCALE	1"=40'
DATE	12. 01. 2023

SHEET

PRELIMINARY PLAT AND PAVEMENT MARKING PLAN - AREA "Q"

C2.17

M:\Projects\AGN\AGN23001\04-Production\Engineering\Preliminary Subdivision Plat\Current Drawing\AGN23001-S1.dwg, 3/28/2024 4:09:03 PM, Sherrill Williams



RONALD GAY REVOCABLE TRUST CALDWELL, GINGER ANN GAY
PIN: 1758067247
DB. 15275 PG. 1754
ZONING: RL
USE: SINGLFAM

INDEX MAP
N.T.S.

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- SIGNAGE
- SITE LIGHTING
- LIGHT POLE
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- VAN — VAN ACCESSIBLE PARKING STALL
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KEY LEGEND

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- PDE — PRIVATE STORM DRAINAGE EASEMENT
- PE — PUBLIC STORM DRAINAGE EASEMENT

A. STOP SIGN MUTCD R1-1
B. SPEED LIMIT (25) MUTCD R2-1
C. MUTCD R7-8P, MUTCD R7-8, MUTCD R7-8D
D. END OF ROAD MARKER MUTCD OM4-3
E. ROUNDABOUT SIGN (MUTCD W2-6)
F. ROUNDABOUT SIGN (MUTCD R6-4A)
G. PEDESTRIAN CROSSING WTH ARROW (MUTCD W11-2 AND W16-7P)
H. YIELD SIGN (MUTCD R1-2)

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

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

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PSP-23-04

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

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PLAN INFORMATION

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DRAWN BY	.
SCALE	1"=40'
DATE	12. 01. 2023

SHEET

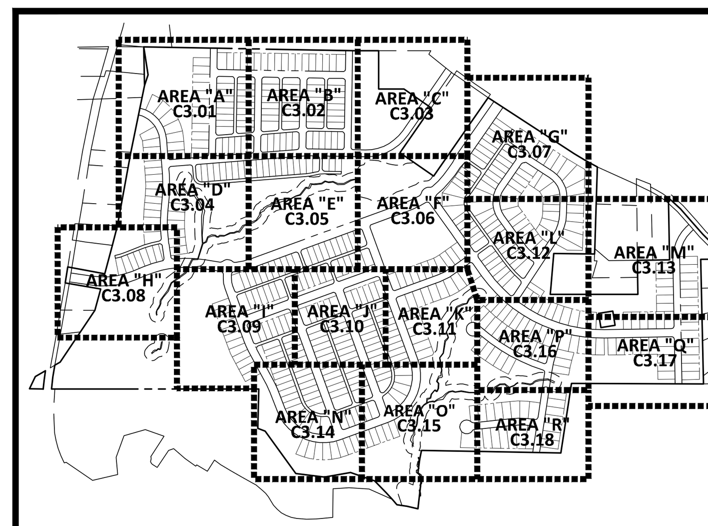
PRELIMINARY PLAT AND PAVEMENT MARKING PLAN - AREA "R"

C2.18

M:\Projects\AGN\AGN23001\04-Production\Engineering\Preliminary Subdivision Plat\Current Drawing\AGN23001-S1.dwg, 3/26/2024 4:09:37 PM, Sherrill Williams

GRADING LEGEND

Symbol	Description
	FLARED END SECTION
	ENDWALL SECTION
	CATCH BASIN
	DROP INLET
	STORM SERVICE INLET
	JUNCTION BOX
	DRAINAGE FLOW ARROW
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
TP — TP — TP	TREE PROTECTION FENCE
LD — LD	LIMITS OF DISTURBANCE
250	MAJOR CONTOUR
252	MINOR CONTOUR
250	EXISTING MAJOR CONTOUR
252	EXISTING MINOR CONTOUR
	EASEMENT LINE



INDEX MAP
N.T.S.

GRAPHIC SCALE
0 100 200 400
1 inch = 200 ft.

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

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WAKE COUNTY, NORTH CAROLINA

PSP-23-04

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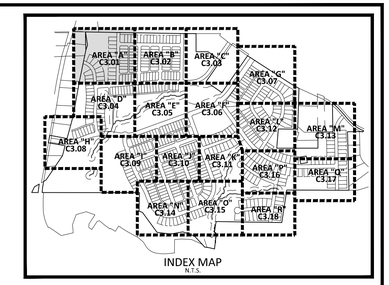
PLAN INFORMATION

PROJECT NO.	AGN23001
FILENAME	AGN23001-OAG1
CHECKED BY	.
DRAWN BY	.
SCALE	1"=200'
DATE	12. 01. 2023

SHEET

OVERALL GRADING AND STORM DRAINAGE PLAN

C3.00



INDEX MAP
N.T.S.

GRADING LEGEND

- FLARED END SECTION
- ENDWALL SECTION
- CATCH BASIN
- DROP INLET
- STORM SERVICE INLET
- JUNCTION BOX
- DRAINAGE FLOW ARROW
- 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
- —TP— TP — TP— * TREE PROTECTION FENCE
- —TP/LD— TP/LD— * TREE PROTECTION FENCE/ LIMITS OF DISTURBANCE
- —LD— LD— LIMITS OF DISTURBANCE
- 250 — MAJOR CONTOUR
- 252 — MINOR CONTOUR
- 250 — EXISTING MAJOR CONTOUR
- 252 — EXISTING MINOR CONTOUR
- EASEMENT LINE

* SEE TREE PROTECTION FENCE DETAIL, SHEET C8.00

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

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

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PLAN INFORMATION

PROJECT NO.	AGN23001
FILENAME	AGN23001-G1
CHECKED BY	.
DRAWN BY	.
SCALE	1"=40'
DATE	12. 01. 2023

SHEET

GRADING AND STORM DRAINAGE PLAN AREA "A"

C3.01

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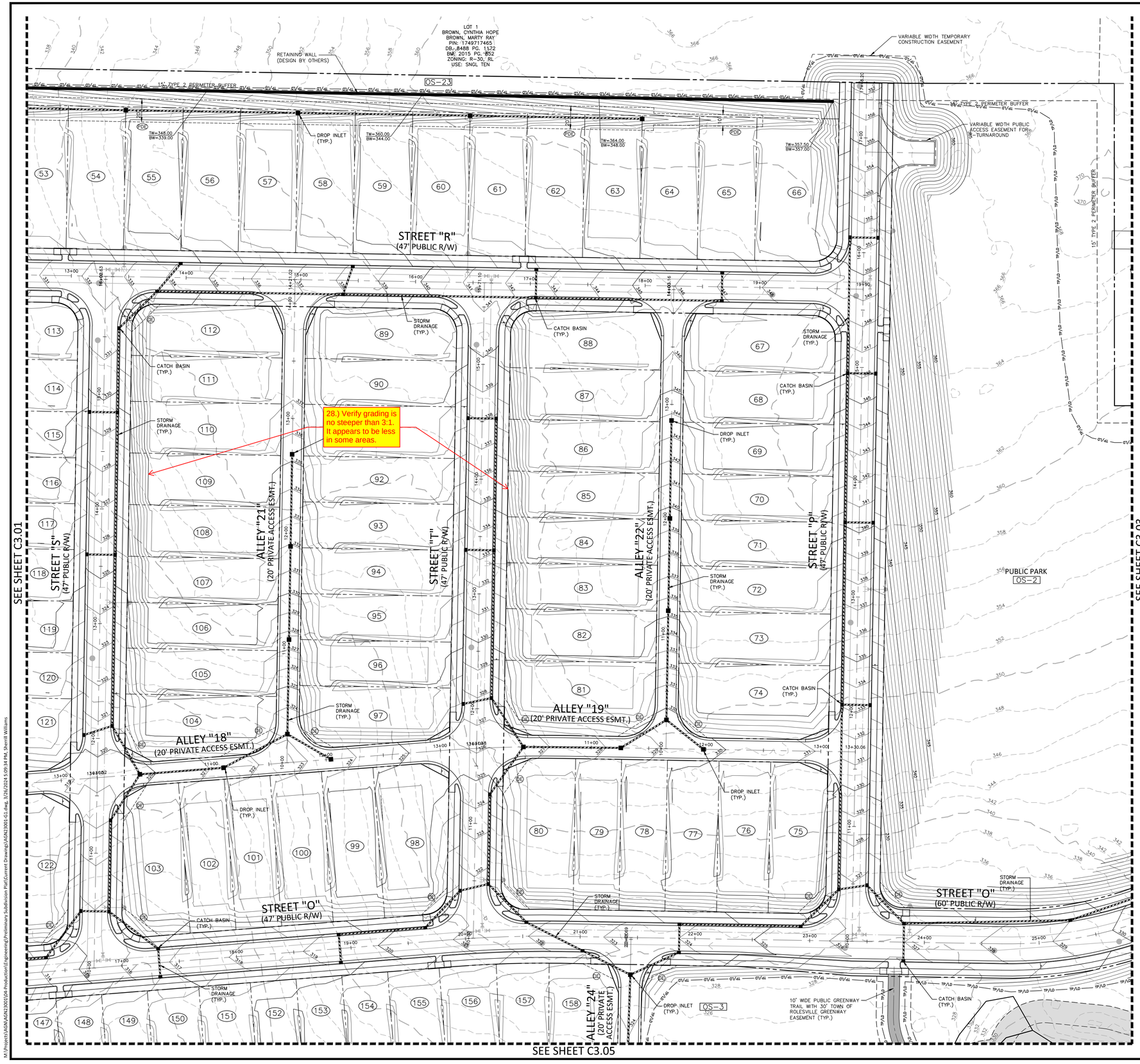

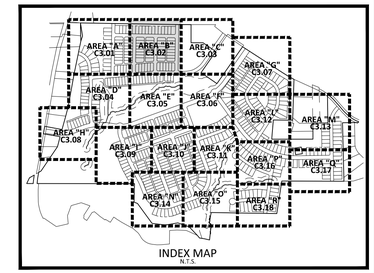

INDEX MAP
N.T.S.

GRADING LEGEND

	FLARED END SECTION
	ENDWALL SECTION
	CATCH BASIN
	DROP INLET
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	JUNCTION BOX
	DRAINAGE FLOW ARROW
250.50 / 250.00	TOP & BOTTOM CURB ELEVATIONS
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+ 250.60	SPOT ELEVATION
	STORM DRAINAGE
	STORM SERVICE LINE
TP TP TP	* TREE PROTECTION FENCE
TP/LD TP/LD	* TREE PROTECTION FENCE/ LIMITS OF DISTURBANCE
LD LD	LIMITS OF DISTURBANCE
250	MAJOR CONTOUR
252	MINOR CONTOUR
250	EXISTING MAJOR CONTOUR
252	EXISTING MINOR CONTOUR
	EASEMENT LINE

* SEE TREE PROTECTION FENCE DETAIL, SHEET C8.00

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

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PSP-23-04

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

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PLAN INFORMATION

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CHECKED BY	.
DRAWN BY	.
SCALE	1"=40'
DATE	12. 01. 2023

SHEET

GRADING AND STORM DRAINAGE PLAN AREA "B"

C3.02

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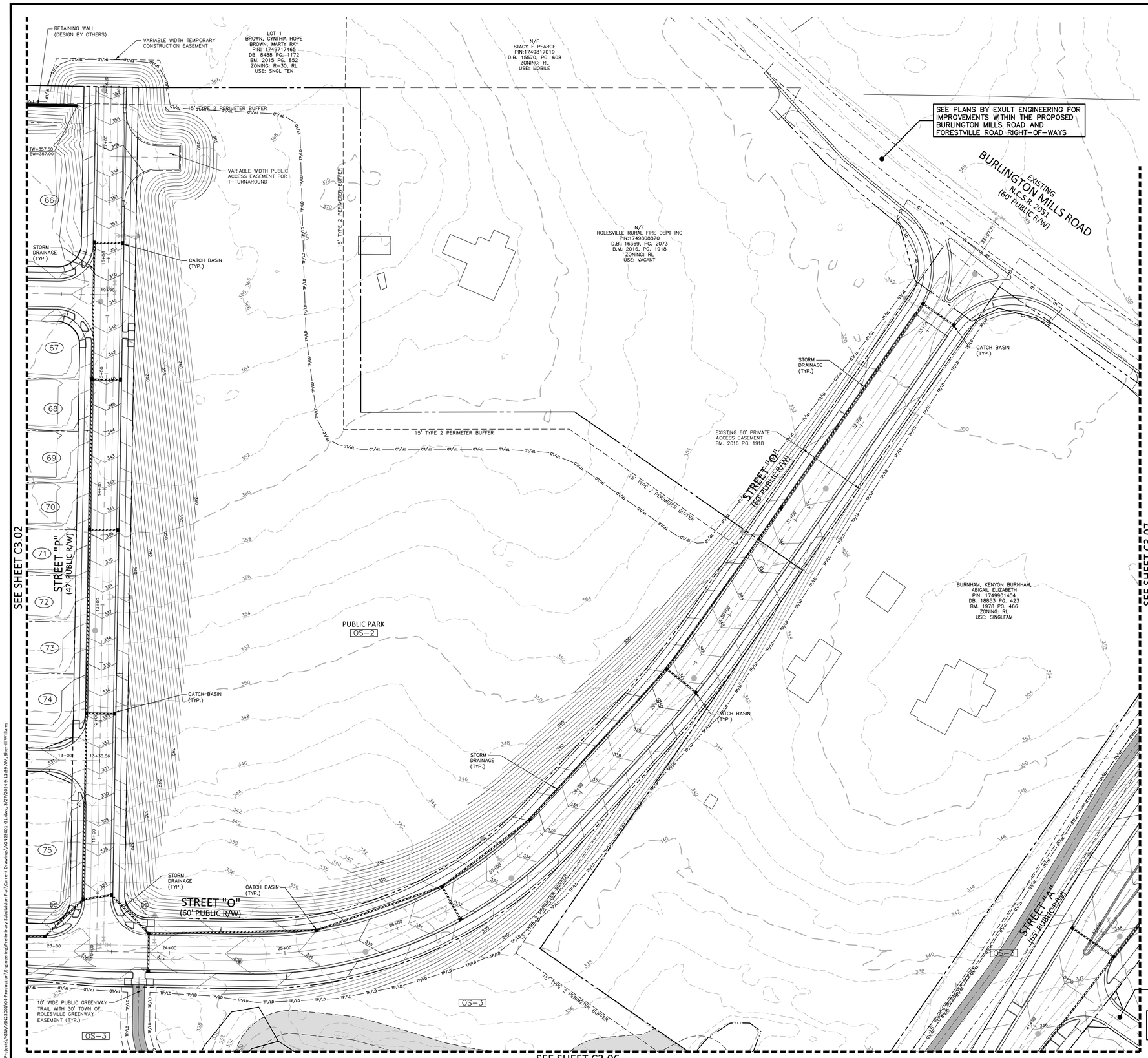

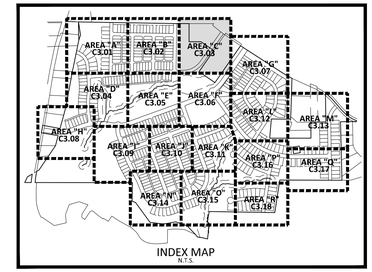

INDEX MAP
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GRADING LEGEND

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SCALE	1"=40'
DATE	12. 01. 2023

SHEET

GRADING AND STORM DRAINAGE PLAN AREA "C"

C3.03

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

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SEE SHEET C3.01

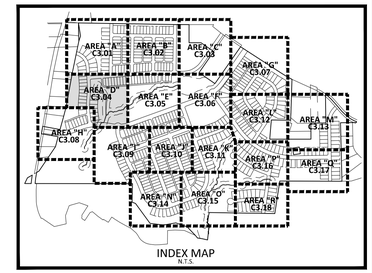
29.) Confirm how access is being provided to SCM A. Revise accordingly.

E.) Grading for greenways needs to be taking into account and all areas with the right-of-way need to be accounted for.
a.) It might be worth looking into this now to account for tree protection, easements, and limits of construction are appropriate.

SEE SHEET C3.05

SEE SHEET C3.08

SEE SHEET C3.09



INDEX MAP
N.T.S.

GRADING LEGEND

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	STORM DRAINAGE
	STORM SERVICE LINE
—TP— TP — TP—	* TREE PROTECTION FENCE
—TP/LD— TP/LD—	* TREE PROTECTION FENCE/ LIMITS OF DISTURBANCE
—LD— LD—	LIMITS OF DISTURBANCE
250	MAJOR CONTOUR
252	MINOR CONTOUR
250	EXISTING MAJOR CONTOUR
252	EXISTING MINOR CONTOUR
	EASEMENT LINE

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1 inch = 40 ft.

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REVISIONS

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1	04. 01. 2024	REVISED PER TOWN COMMENTS

PLAN INFORMATION

PROJECT NO.	AGN23001
FILENAME	AGN23001-G1
CHECKED BY	.
DRAWN BY	.
SCALE	1"=40'
DATE	12. 01. 2023

SHEET

GRADING AND STORM DRAINAGE PLAN AREA "D"

C3.04

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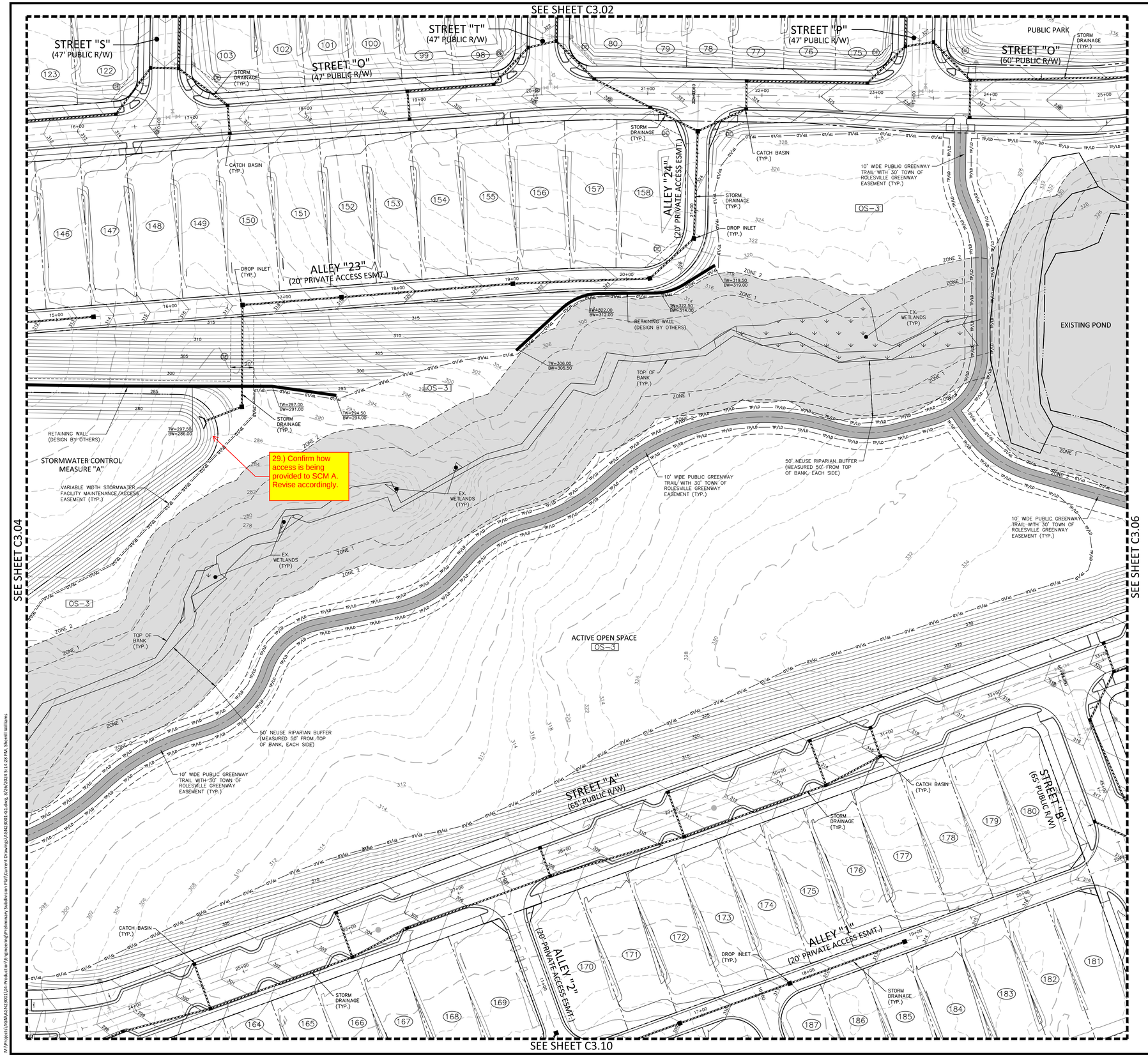

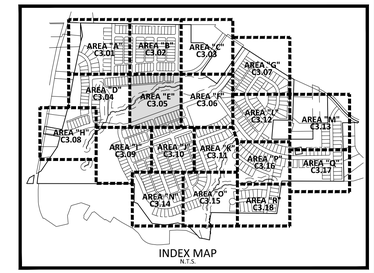

INDEX MAP
N.T.S.

GRADING LEGEND

	FLARED END SECTION
	ENDWALL SECTION
	CATCH BASIN
	DROP INLET
	STORM SERVICE INLET
	JUNCTION BOX
	DRAINAGE FLOW ARROW
250.50 / 250.00	TOP & BOTTOM CURB ELEVATIONS
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+ 250.60	SPOT ELEVATION
	STORM DRAINAGE
	STORM SERVICE LINE
TP TP TP	* TREE PROTECTION FENCE
TP/LD TP/LD	* TREE PROTECTION FENCE/ LIMITS OF DISTURBANCE
LD LD	LIMITS OF DISTURBANCE
250	MAJOR CONTOUR
252	MINOR CONTOUR
250	EXISTING MAJOR CONTOUR
252	EXISTING MINOR CONTOUR
	EASEMENT LINE

* SEE TREE PROTECTION FENCE DETAIL, SHEET C8.00

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
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PSP-23-04

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

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SHEET

GRADING AND STORM DRAINAGE PLAN AREA "E"

C3.05

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SEE SHEET C3.03

SEE SHEET C3.05

SEE SHEET C3.07

SEE SHEET C3.10

SEE SHEET C3.11

EXISTING POND

ZONE 2

ZONE 1

OS-3

10' WIDE PUBLIC GREENWAY TRAIL WITH 30' TOWN OF ROLESVILLE GREENWAY EASEMENT (TYP.)

BURNHAM, KENYON BURNHAM, ABIGAIL ELIZABETH
PIN: 1749901404
DB. 18853 PG. 423
BM. 1978 PG. 466
ZONING: RL
USE: SINGLFAM

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

ACTIVE OPEN SPACE
OS-3

STREET "A"
(65' PUBLIC R/W)

ALLEY "14"
(20' PRIVATE ACCESS ESMT.)

ALLEY "12"
(20' PRIVATE ACCESS ESMT.)

ALLEY "15"
(20' PRIVATE ACCESS ESMT.)

STREET "C"
(65' PUBLIC R/W)

STREET "B"
(65' PUBLIC R/W)

ALLEY "1"
(20' PRIVATE ACCESS ESMT.)

STREET "K"
(65' PUBLIC R/W)

STREET "J"
(47' PUBLIC R/W)

MAIN AMENITY
OS-1

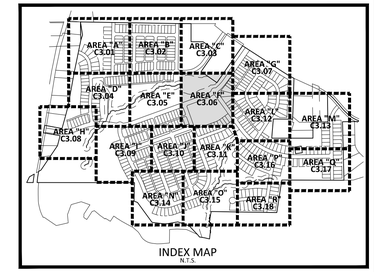
OS-19

CATCH BASIN (TYP.)

STORM DRAINAGE (TYP.)

DROP INLET (TYP.)

30' CITY OF RALEIGH PUBLIC SANITARY SEWER EASEMENT (TYP.)



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SHEET

GRADING AND STORM DRAINAGE PLAN AREA "F"

C3.06

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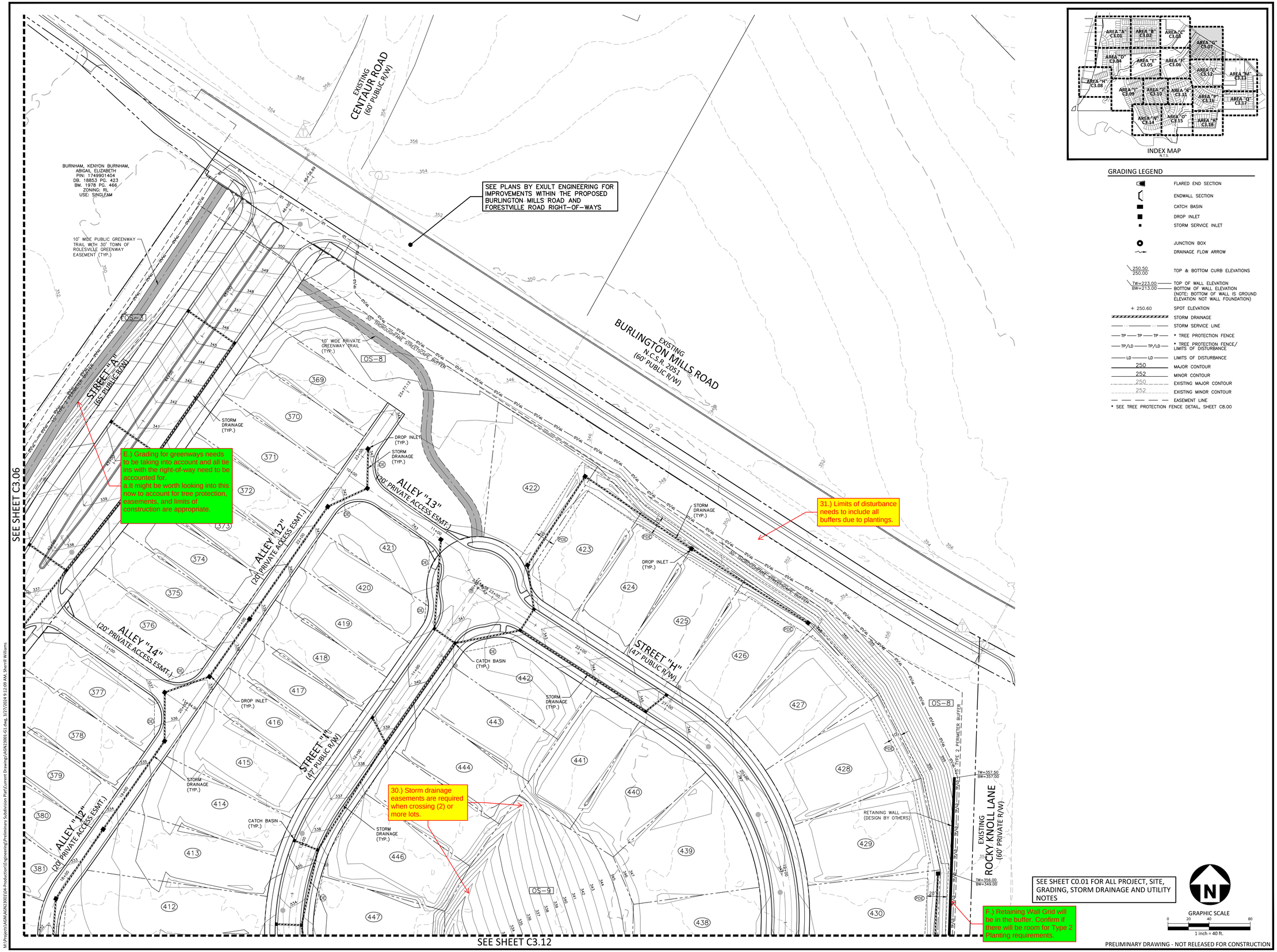

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SHEET

GRADING AND STORM DRAINAGE PLAN AREA "G"

C3.07

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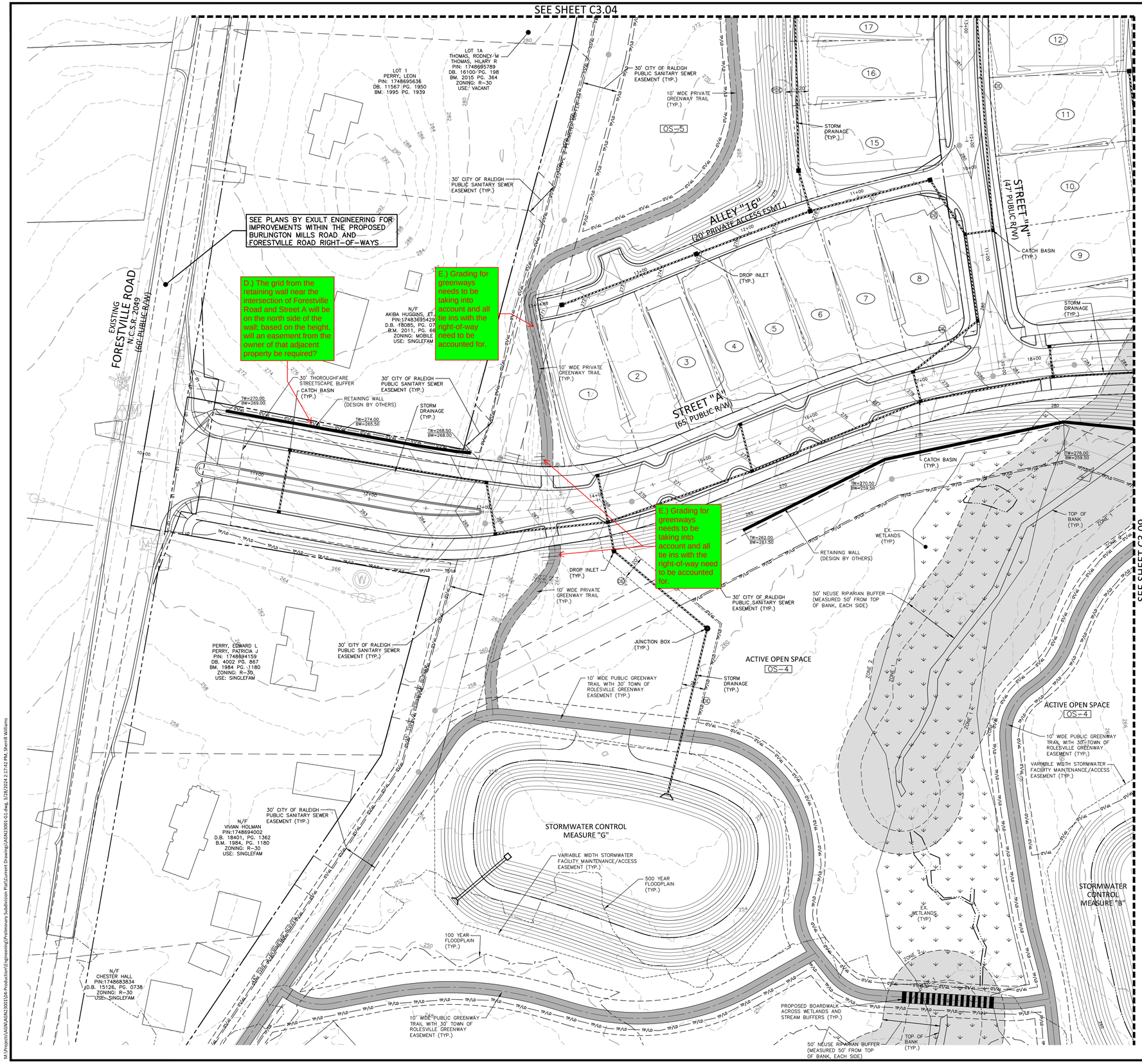

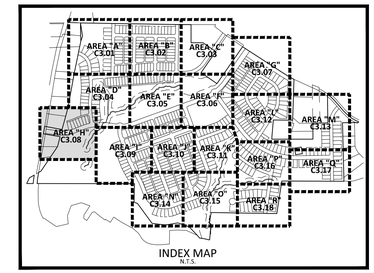

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SHEET

GRADING AND STORM DRAINAGE PLAN AREA "H"

C3.08

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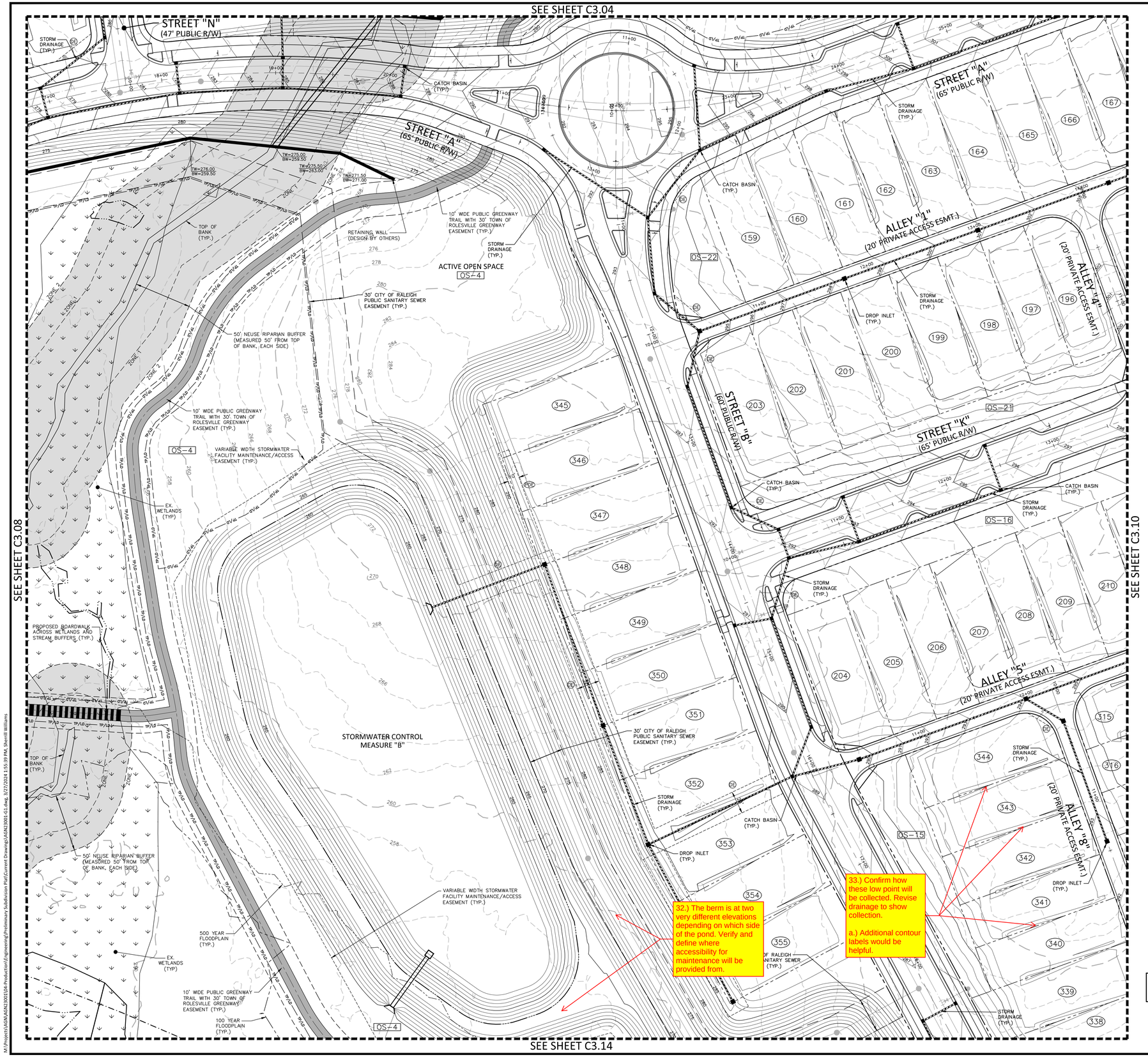

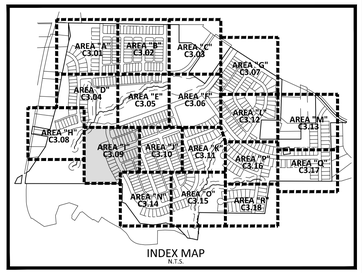

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SHEET

GRADING AND STORM DRAINAGE PLAN AREA "I"

C3.09

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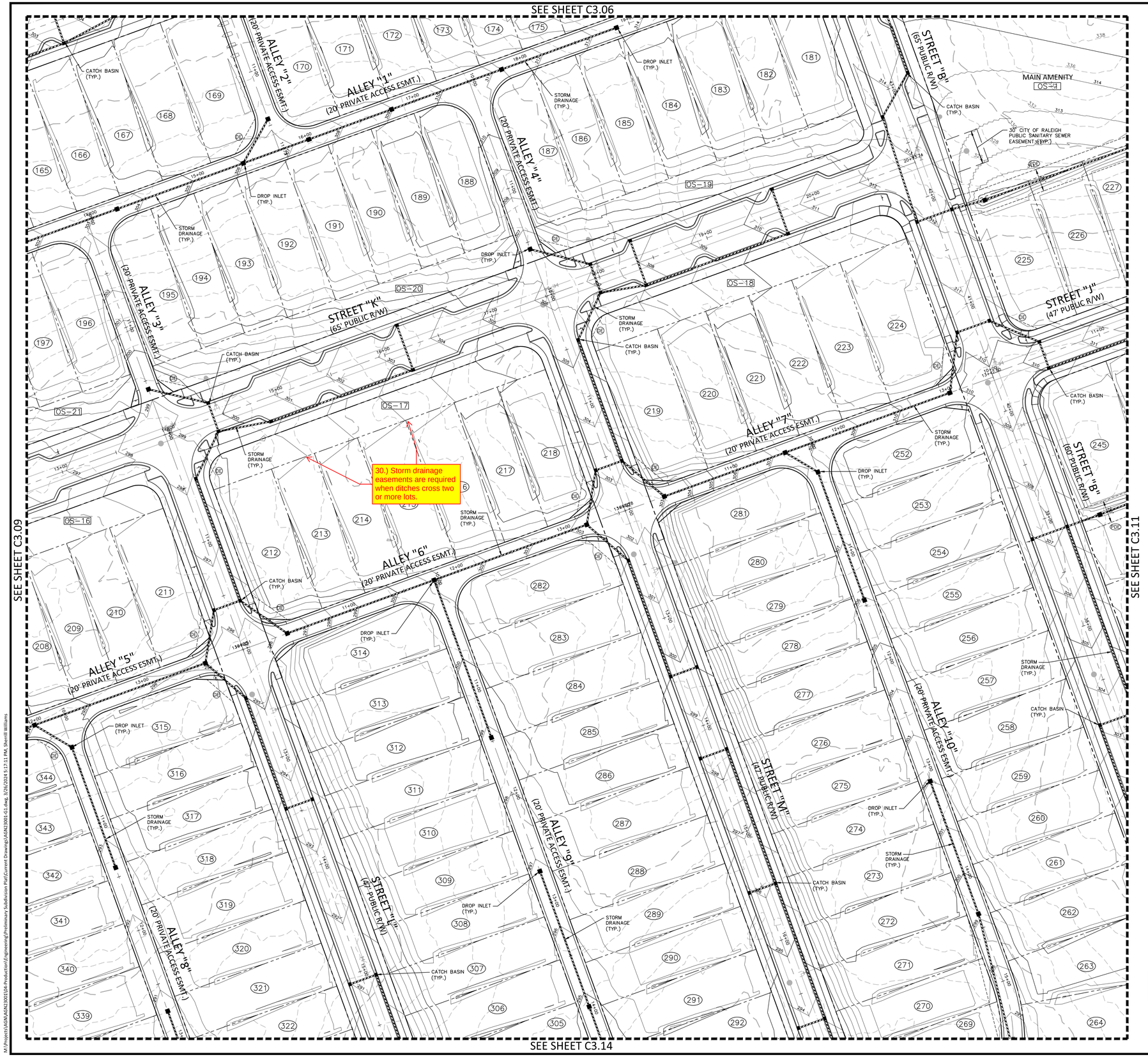

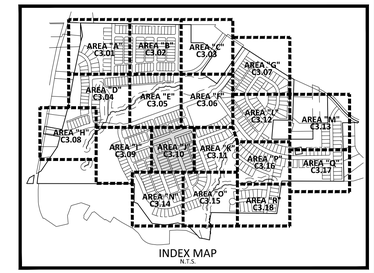

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SHEET

GRADING AND STORM DRAINAGE PLAN AREA "J"

C3.10

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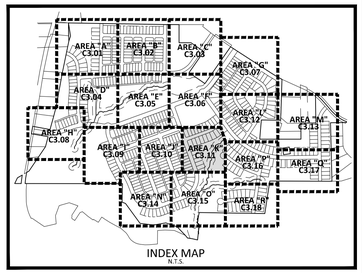

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GRADING AND STORM DRAINAGE PLAN AREA "K"

C3.11

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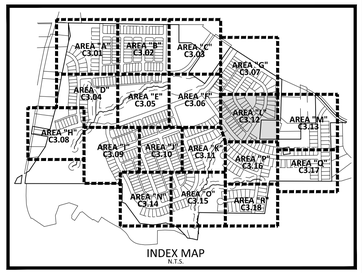
SEE SHEET C3.07

SEE SHEET C3.06

SEE SHEET C3.13

SEE SHEET C3.16

F.) Retaining Wall Grid will be in the buffer. Confirm if there will be room for Type 2 Planting requirements.



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TP TP TP	* TREE PROTECTION FENCE
TP/LD TP/LD	* TREE PROTECTION FENCE/ LIMITS OF DISTURBANCE
LD LD	LIMITS OF DISTURBANCE
250	MAJOR CONTOUR
252	MINOR CONTOUR
250	EXISTING MAJOR CONTOUR
252	EXISTING MINOR CONTOUR
	EASEMENT LINE

* SEE TREE PROTECTION FENCE DETAIL, SHEET C8.00

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

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PSP-23-04

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

REVISIONS

NO.	DATE	
1	04. 01. 2024	REVISED PER TOWN COMMENTS

PLAN INFORMATION

PROJECT NO.	AGN23001
FILENAME	AGN23001-G1
CHECKED BY	.
DRAWN BY	.
SCALE	1"=40'
DATE	12. 01. 2023

SHEET

GRADING AND STORM DRAINAGE PLAN AREA "L"

C3.12

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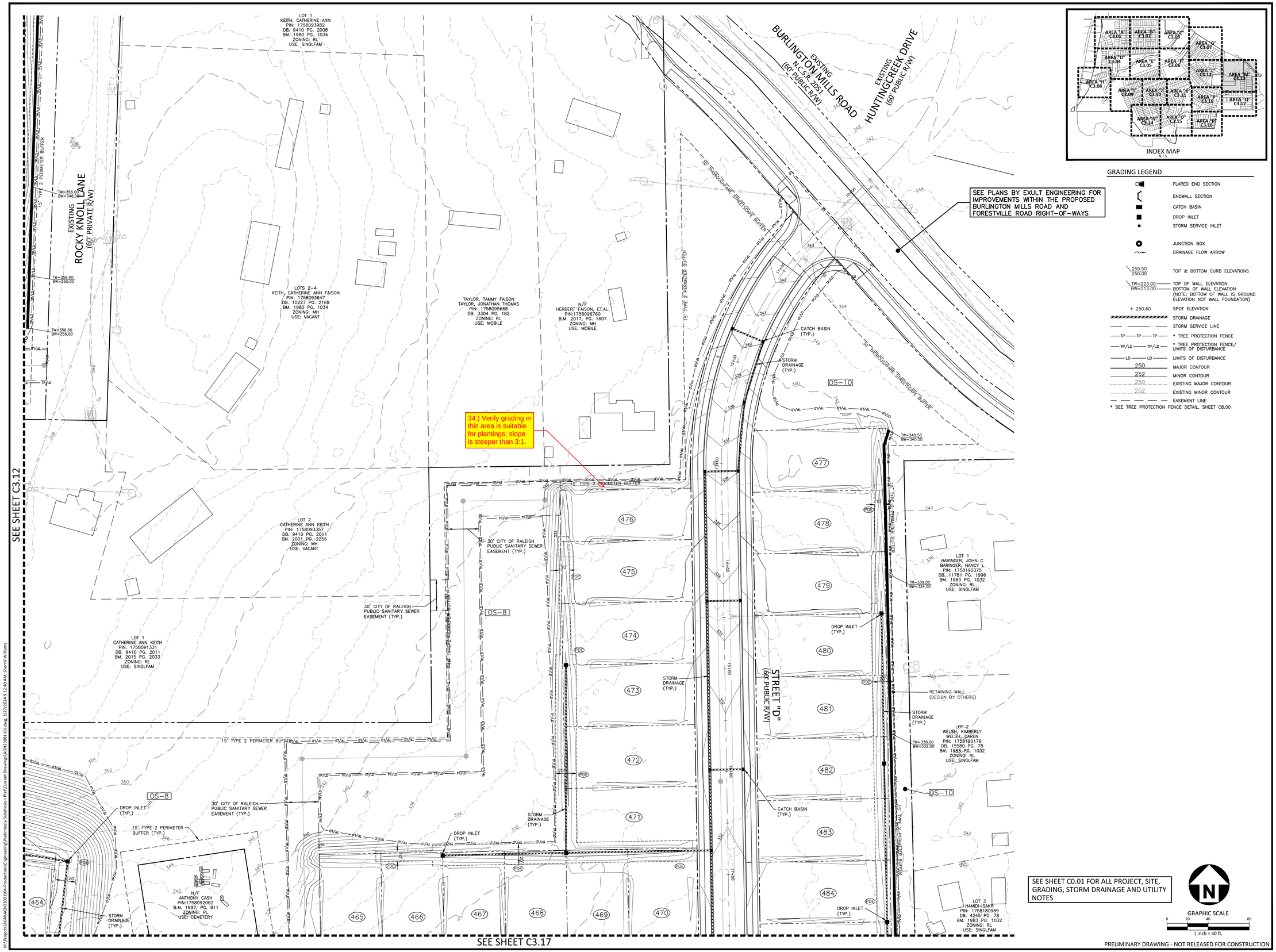

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DRAWN BY	.
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DATE	12. 01. 2023

SHEET

GRADING AND STORM DRAINAGE PLAN AREA "M"

C3.13

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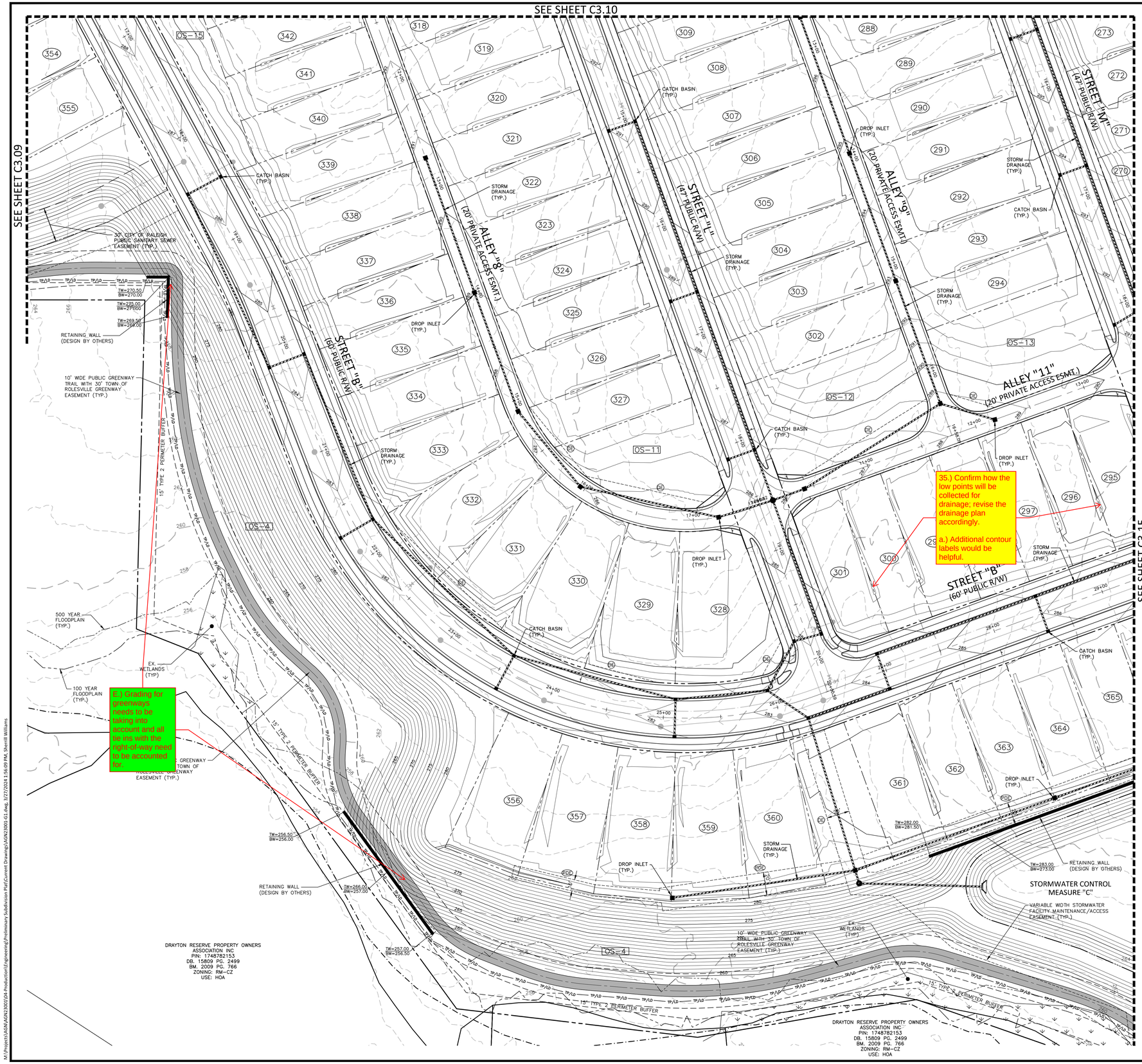

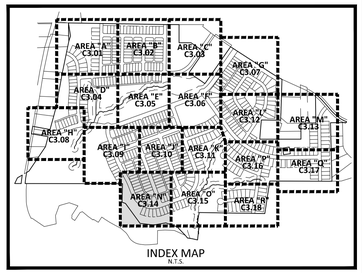

INDEX MAP
N.T.S.

GRADING LEGEND

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	CATCH BASIN
	DROP INLET
	STORM SERVICE INLET
	JUNCTION BOX
	DRAINAGE FLOW ARROW
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
—TP—	* TREE PROTECTION FENCE
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250	MAJOR CONTOUR
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SHEET

GRADING AND STORM DRAINAGE PLAN AREA "N"

C3.14

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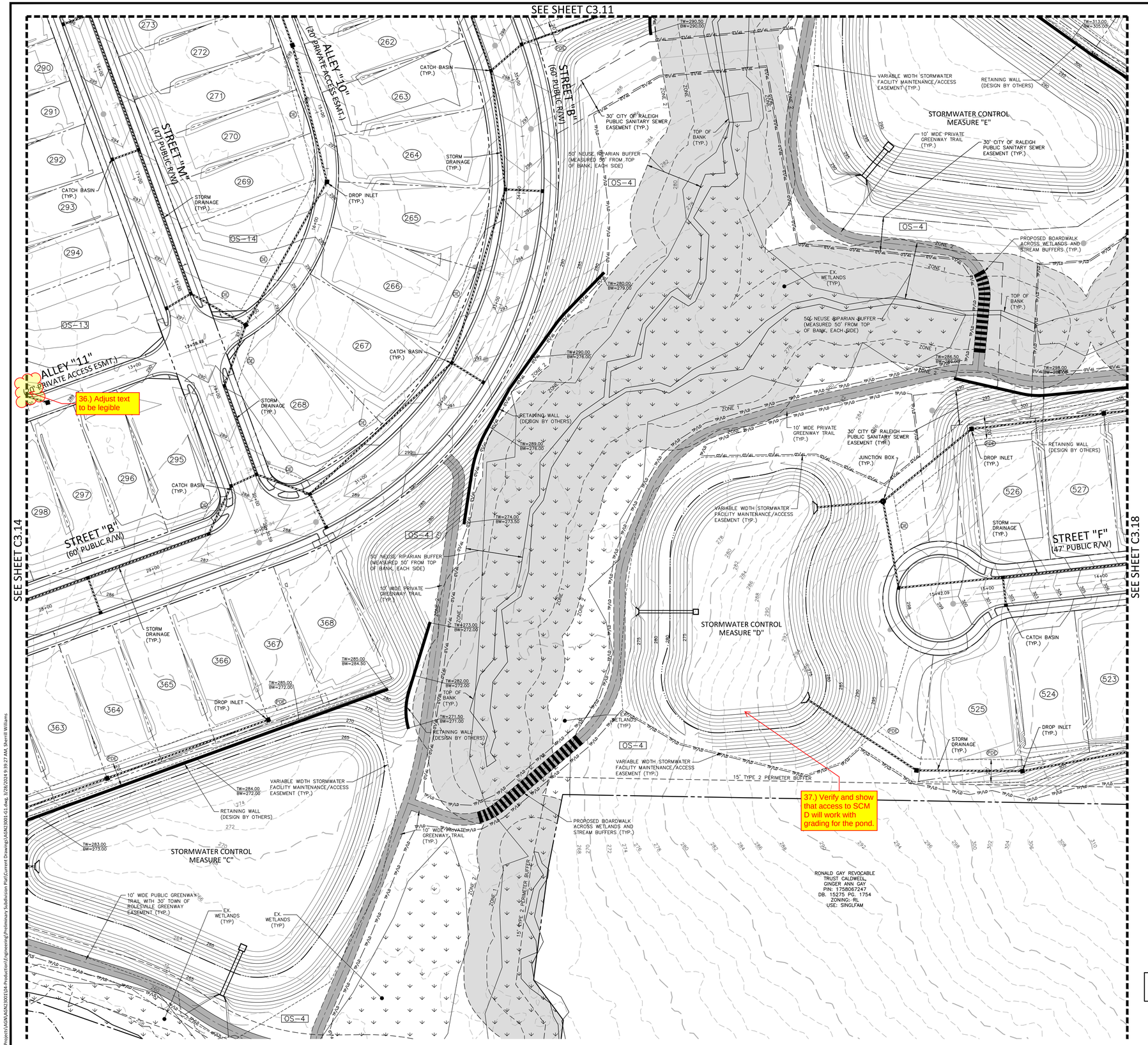

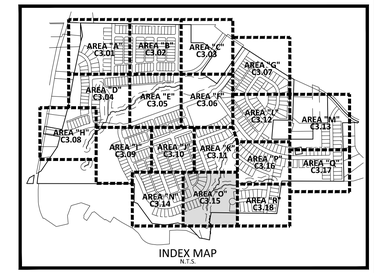

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GRADING LEGEND

- FLARED END SECTION
- ENDWALL SECTION
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- DROP INLET
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- JUNCTION BOX
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- 250.50 / 250.00 — TOP & BOTTOM CURB ELEVATIONS
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- + 250.60 — SPOT ELEVATION
- STORM DRAINAGE
- STORM SERVICE LINE
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- 252 — MINOR CONTOUR
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SHEET

GRADING AND STORM DRAINAGE PLAN AREA "O"

C3.15

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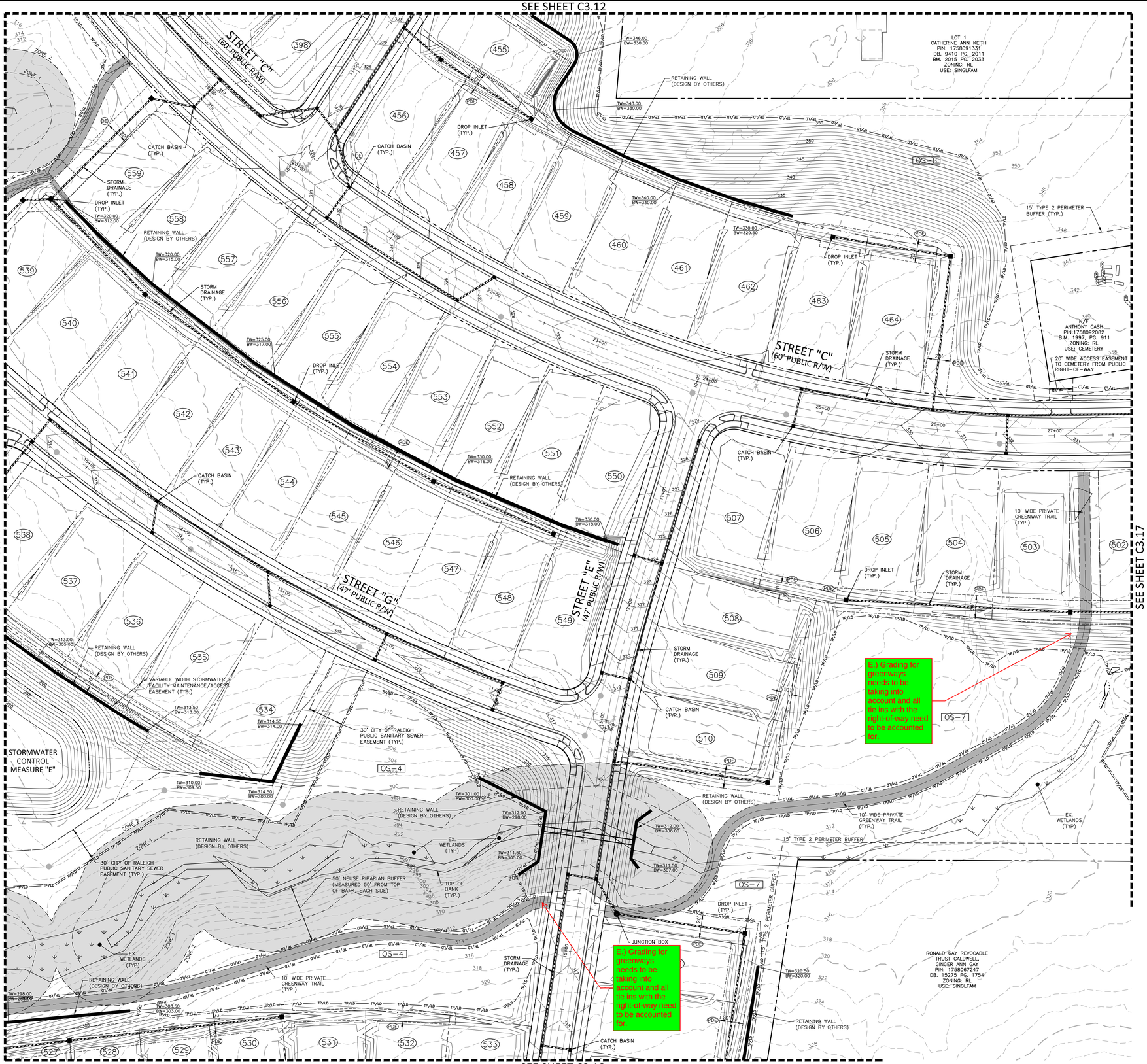
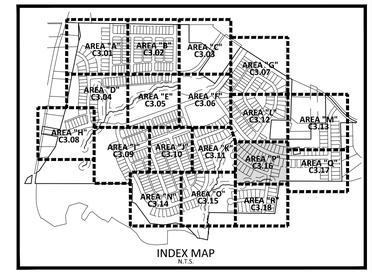
SEE SHEET C3.11

SEE SHEET C3.17

SEE SHEET C3.18





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SHEET

GRADING AND STORM DRAINAGE PLAN AREA "P"

C3.16

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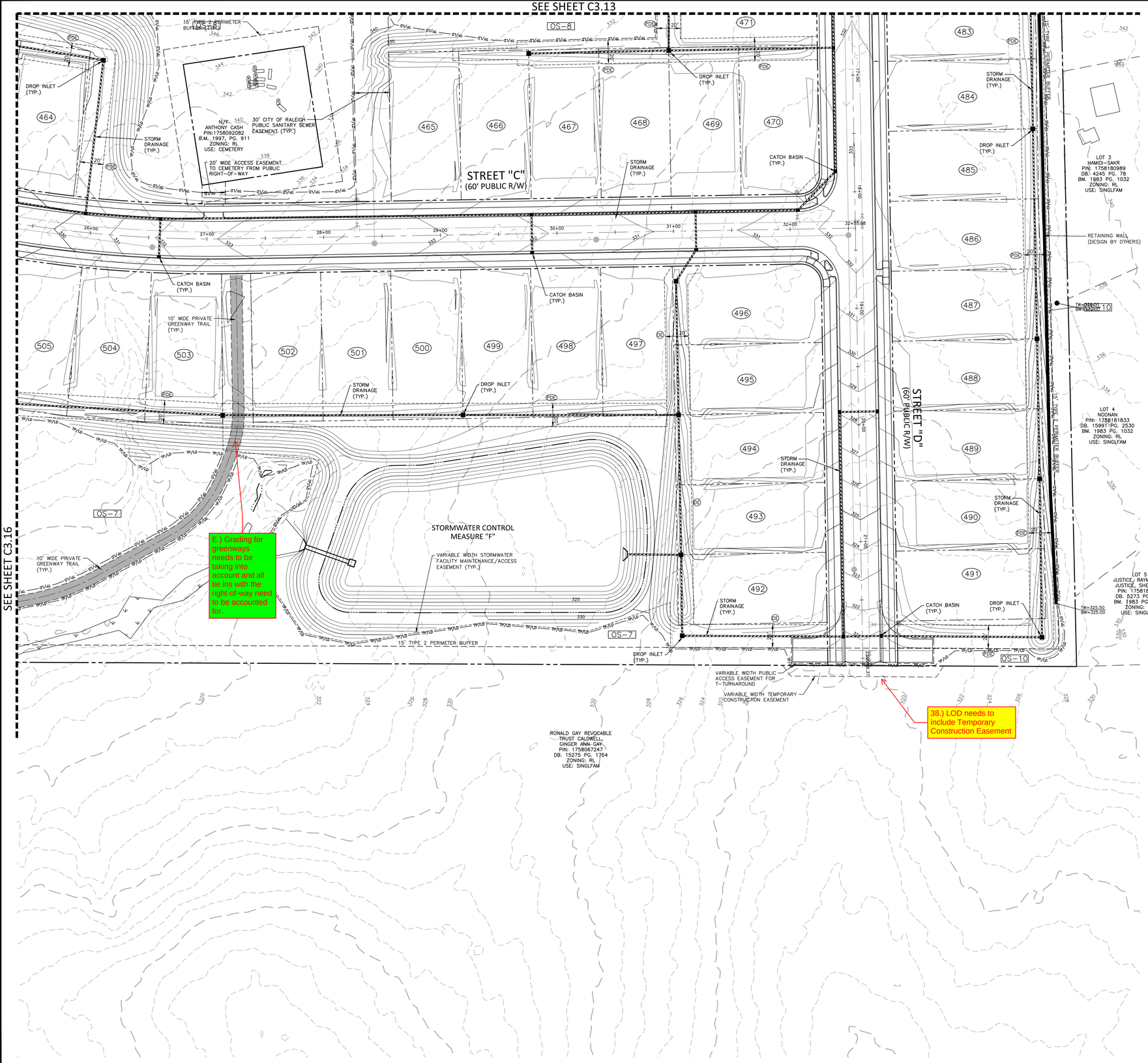
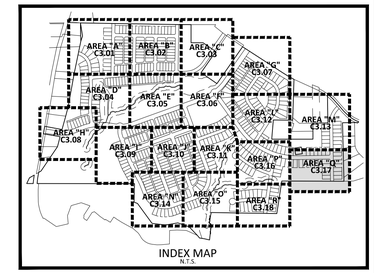
SEE SHEET C3.13

SEE SHEET C3.16





INDEX MAP
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SHEET

GRADING AND STORM DRAINAGE PLAN AREA "Q"

C3.17

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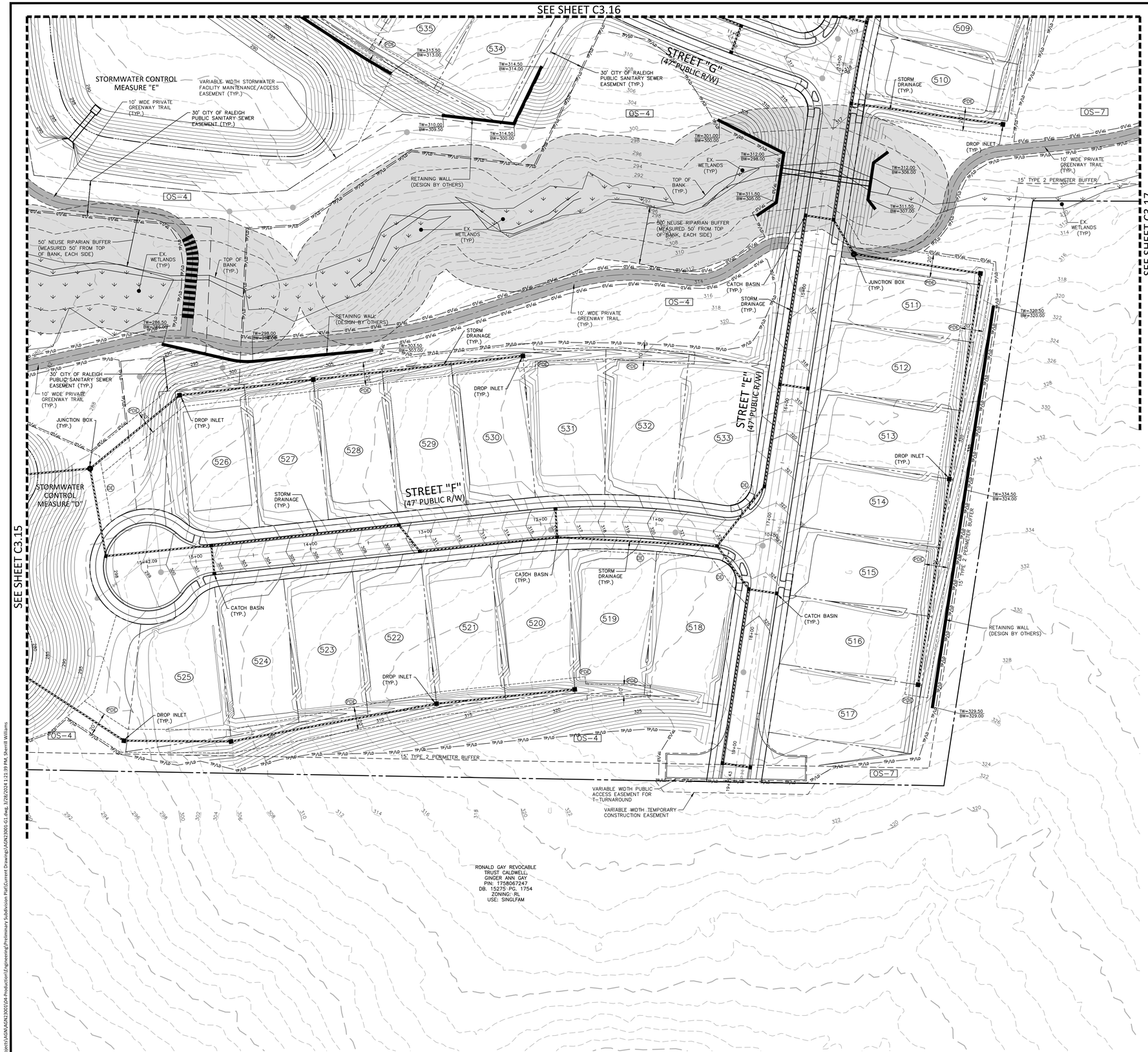
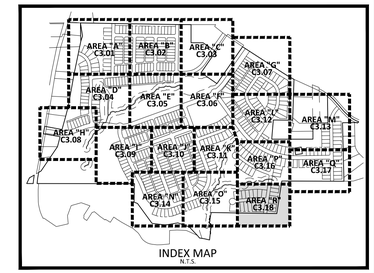
SEE SHEET C3.16





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SHEET

GRADING AND STORM DRAINAGE PLAN AREA "R"

C3.18

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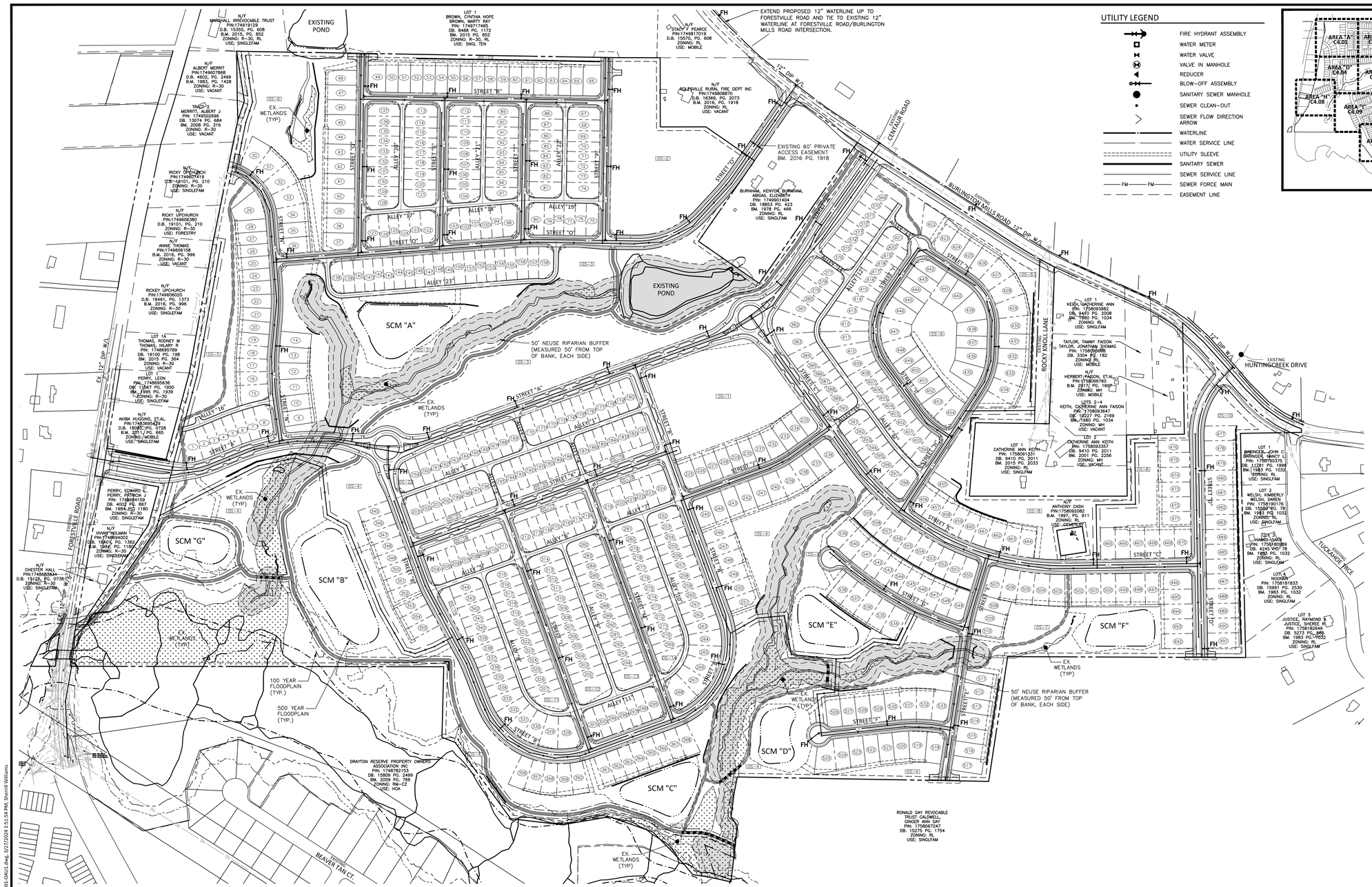
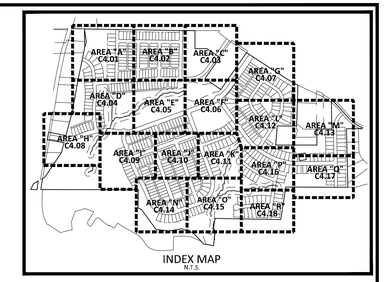


UTILITY LEGEND

- FIRE HYDRANT ASSEMBLY
- WATER METER
- WATER VALVE
- VALVE IN MANHOLE
- REDUCER
- BLOW-OFF ASSEMBLY
- SANITARY SEWER MANHOLE
- SEWER CLEAN-OUT
- SEWER FLOW DIRECTION ARROW
- WATERLINE
- WATER SERVICE LINE
- UTILITY SLEEVE
- SANITARY SEWER
- SEWER SERVICE LINE
- FM — FM — SEWER FORCE MAIN
- EASEMENT LINE



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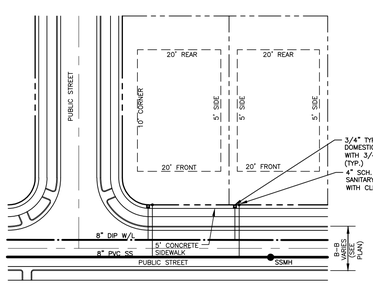

TYPICAL LOT LAYOUT
N.T.S.

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'X3' 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

GRAPHIC SCALE
0 100 200 400
1 inch = 200 ft.

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

McADAMS
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PHONE: 919. 239. 9486

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

PSP-23-04

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

REVISIONS

NO.	DATE	
1	04. 01. 2024	REVISED PER TOWN COMMENTS

PLAN INFORMATION

PROJECT NO.	AGN23001
FILENAME	AGN23001-OAU1
CHECKED BY	.
DRAWN BY	.
SCALE	1"=200'
DATE	12. 01. 2023

SHEET

OVERALL UTILITY PLAN

C4.00

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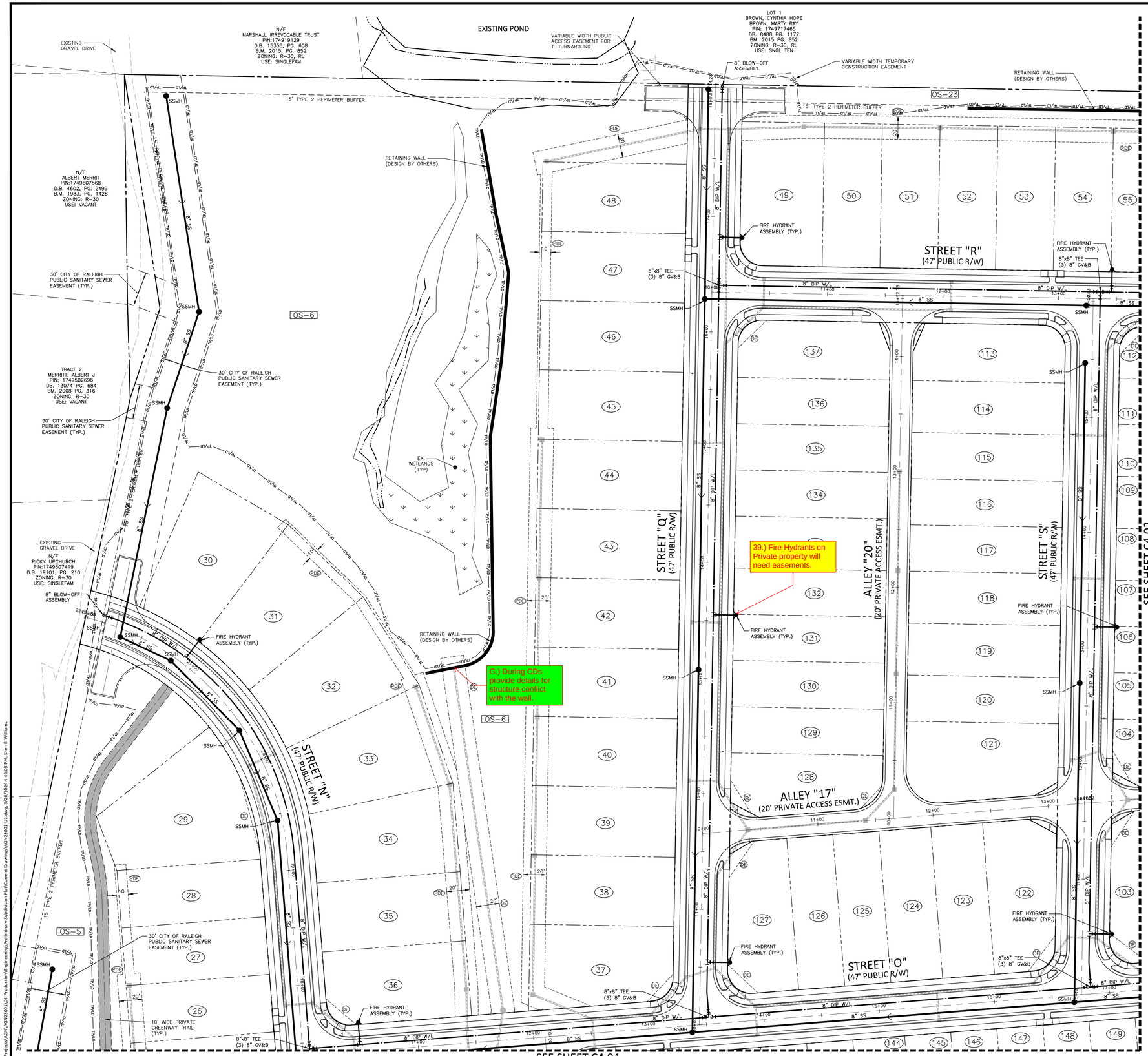

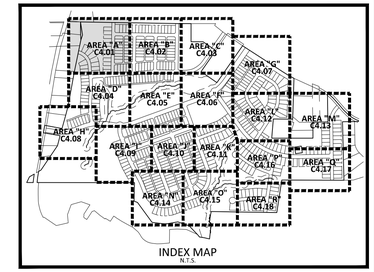

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GRAPHIC SCALE
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PLAN INFORMATION

PROJECT NO.	AGN23001
FILENAME	AGN23001-U1
CHECKED BY	.
DRAWN BY	.
SCALE	1"=40'
DATE	12. 01. 2023

SHEET

UTILITY PLAN
AREA "A"

C4.01

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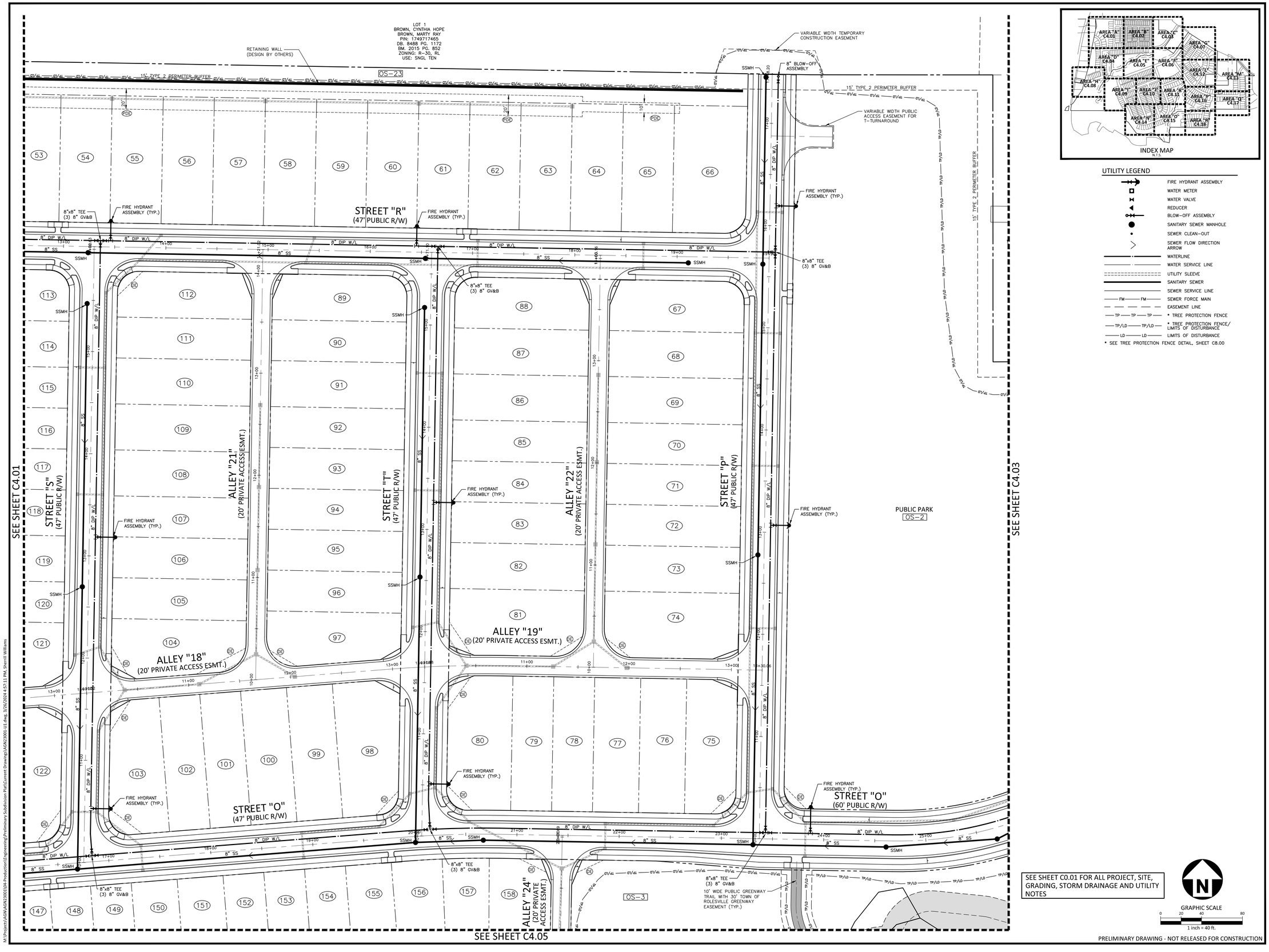

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DATE	12. 01. 2023

SHEET

UTILITY PLAN AREA "B"

C4.02

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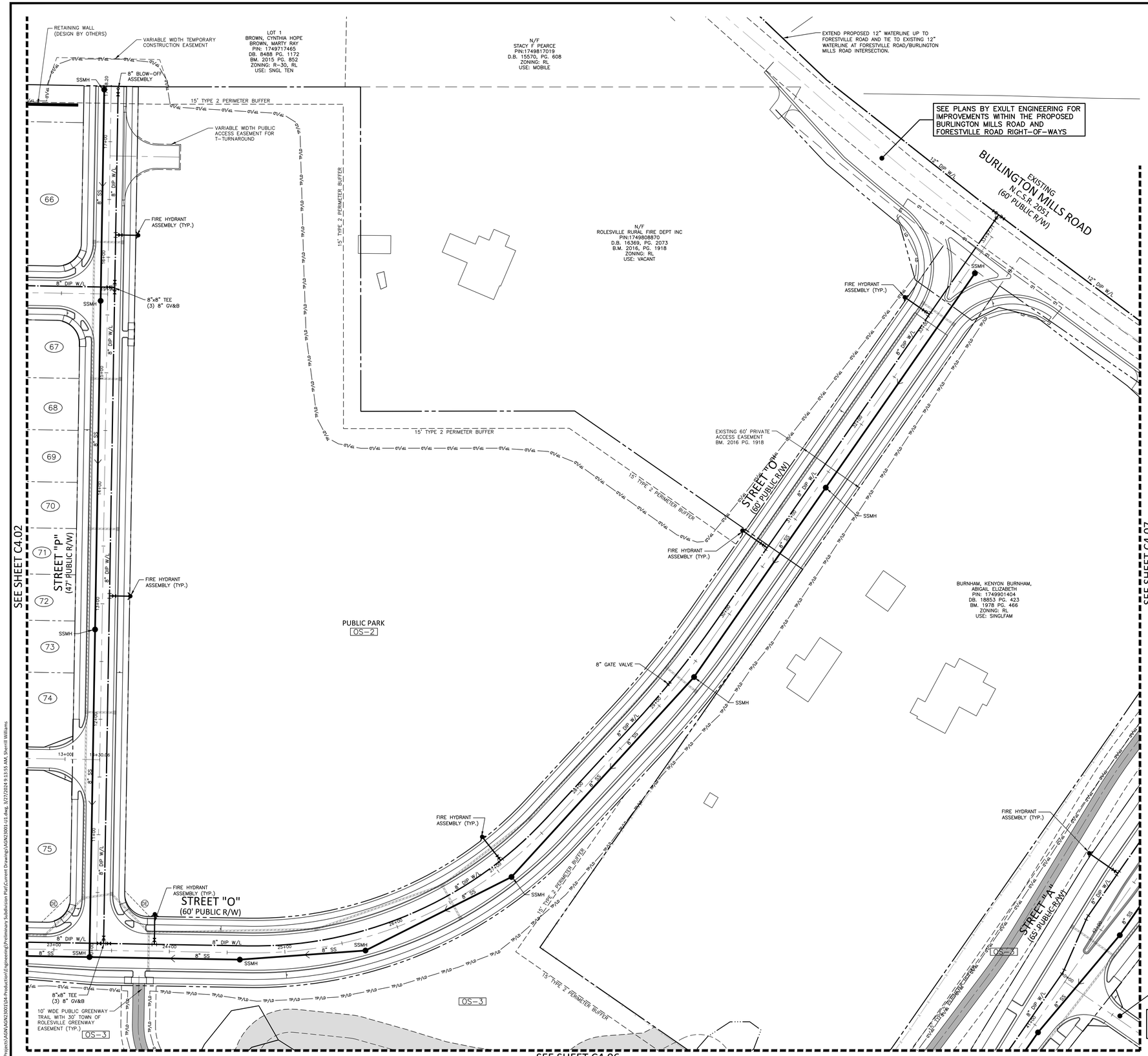

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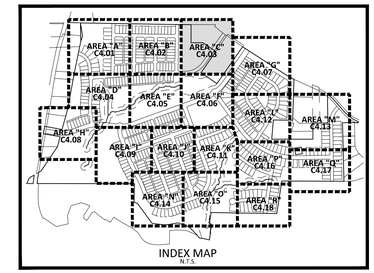

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PLAN INFORMATION

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FILENAME	AGN23001-U1
CHECKED BY	.
DRAWN BY	.
SCALE	1"=40'
DATE	12. 01. 2023

SHEET

UTILITY PLAN
AREA "C"
C4.03

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

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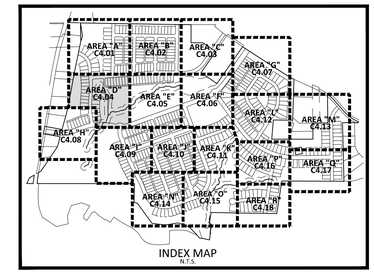

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CHECKED BY	.
DRAWN BY	.
SCALE	1"=40'
DATE	12. 01. 2023

SHEET

UTILITY PLAN AREA "D"

C4.04

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SEE SHEET C4.02

STREET "S" (47' PUBLIC R/W)

STREET "T" (47' PUBLIC R/W)

STREET "P" (47' PUBLIC R/W)

STREET "O" (47' PUBLIC R/W)

STREET "O" (60' PUBLIC R/W)

PUBLIC PARK

FIRE HYDRANT ASSEMBLY (TYP.)

8"x8" TEE (3) 8" GV&B

ALLEY "24" (20' PRIVATE ACCESS ESMT.)

ALLEY "23" (20' PRIVATE ACCESS ESMT.)

10' WIDE PUBLIC GREENWAY TRAIL WITH 30' TOWN OF ROLESVILLE GREENWAY EASEMENT (TYP.)

OS-3

RETAINING WALL (DESIGN BY OTHERS)

EX. WETLANDS (TYP)

EXISTING POND

TOP OF BANK (TYP.)

ZONE 1

ZONE 2

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

STORMWATER CONTROL MEASURE "A"

VARIABLE WIDTH STORMWATER FACILITY MAINTENANCE/ACCESS EASEMENT (TYP.)

ACTIVE OPEN SPACE

OS-3

STREET "A" (65' PUBLIC R/W)

STREET "B" (65' PUBLIC R/W)

ALLEY "2" (20' PRIVATE ACCESS ESMT.)

ALLEY "1" (20' PRIVATE ACCESS ESMT.)

8" GATE VALVE

SSMH

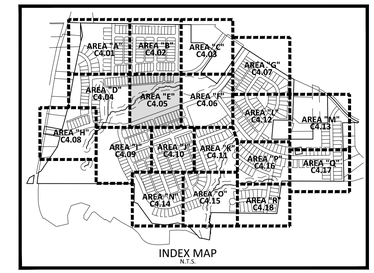
8" DIP W/L

8" SS

SEE SHEET C4.04

SEE SHEET C4.06

SEE SHEET C4.10



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DRAWN BY	.
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DATE	12. 01. 2023

SHEET

UTILITY PLAN
AREA "E"

C4.05

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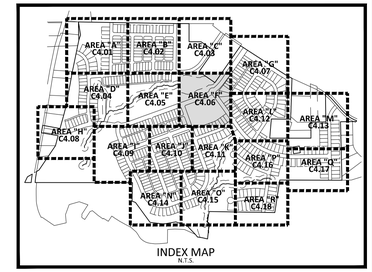
SEE SHEET C4.03



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SHEET

UTILITY PLAN AREA "F"

C4.06

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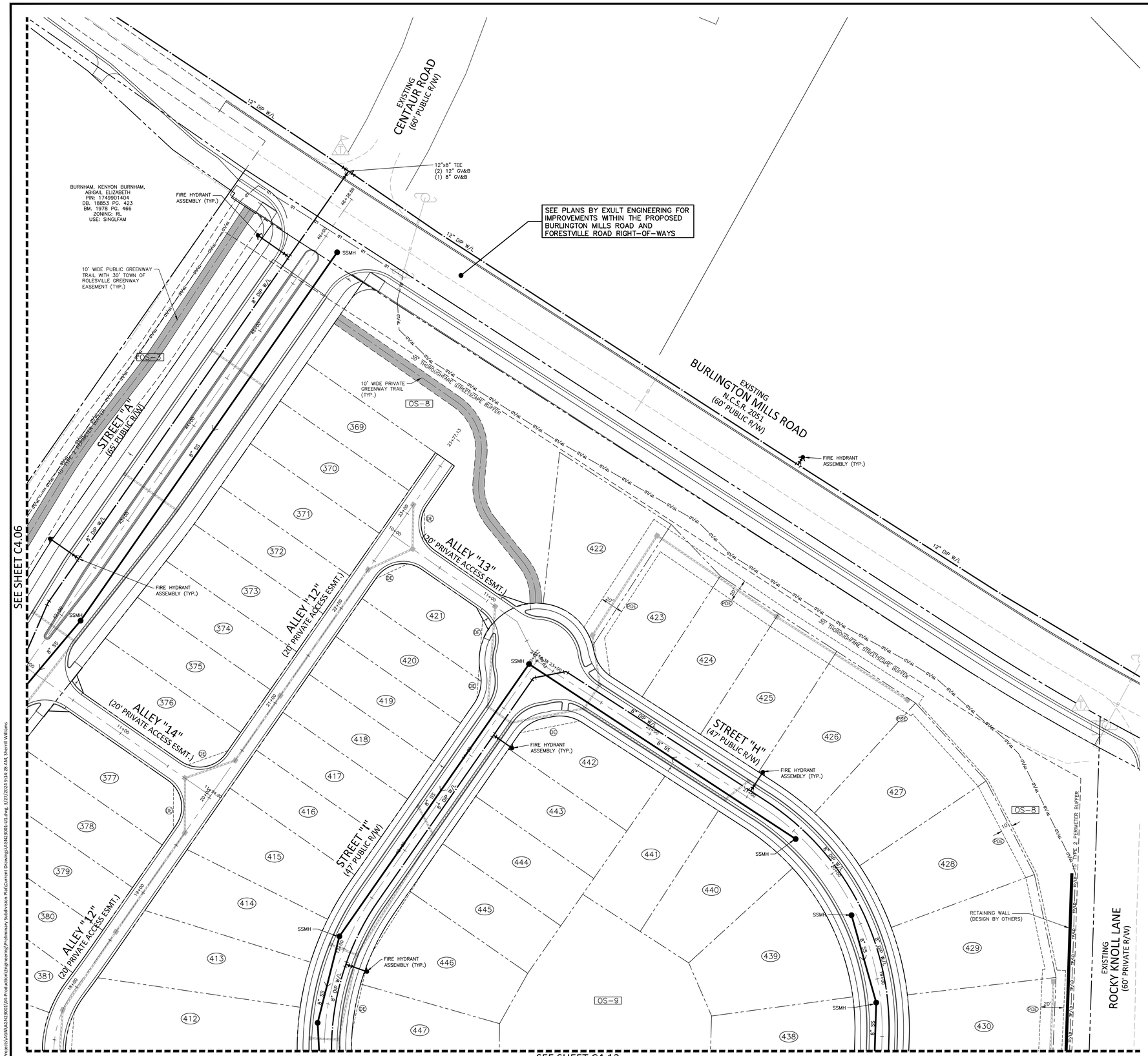

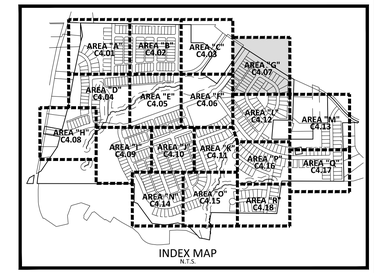

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- BLOW-OFF ASSEMBLY
- SANITARY SEWER MANHOLE
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- EASEMENT LINE
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- TP/LD — TP/LD — * TREE PROTECTION FENCE/ LIMITS OF DISTURBANCE
- LD — LD — LIMITS OF DISTURBANCE

* SEE TREE PROTECTION FENCE DETAIL, SHEET C8.00

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

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fax 919. 361. 2269
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PHONE: 919. 239. 9486

AGNC
BROKERAGE | CONSULTING | PLANNING

PEARCE FARM
PRELIMINARY PLAT PLANS
BURLINGTON MILLS ROAD
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP, WAKE COUNTY, NORTH CAROLINA

PSP-23-04

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

REVISIONS

NO.	DATE	
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PLAN INFORMATION

PROJECT NO.	AGN23001
FILENAME	AGN23001-U1
CHECKED BY	.
DRAWN BY	.
SCALE	1"=40'
DATE	12. 01. 2023

SHEET

UTILITY PLAN AREA "G"

C4.07

M:\Projects\AGN\AGN23001\04-Production\Engineering\Preliminary Subdivision Plat\Current Drawing\AGN23001-U1.dwg, 3/27/2024 9:14:28 AM, Sherrill Williams

SEE SHEET C4.04

LOT 1A
THOMAS, RODNEY M
THOMAS, HILARY R
PIN: 1748695789
DB. 16100 PG. 198
BM. 2015 PG. 364
ZONING: R-30
USE: VACANT

LOT 1
PERRY, LEON
PIN: 1748695636
DB. 11567 PG. 1950
BM. 1995 PG. 1939

30' CITY OF RALEIGH PUBLIC SANITARY SEWER EASEMENT (TYP.)

10' WIDE PRIVATE GREENWAY TRAIL (TYP.)

OS-5

SEE PLANS BY EXULT ENGINEERING FOR IMPROVEMENTS WITHIN THE PROPOSED BURLINGTON MILLS ROAD AND FORESTVILLE ROAD RIGHT-OF-WAYS

EXISTING FORESTVILLE ROAD N.C.S.R. 2069 (60' PUBLIC R/W)

EX. 12" DIP W/L

N/F
AKIBA HUGGINS, ET.AL.
PIN:1748369542 9
D.B. 18085, PG. 0728
B.M. 2011, PG. 665
ZONING: MOBILE
USE: SINGLEFAM

ALLEY "16"
(20' PRIVATE ACCESS ESMT.)

STREET "N"
(47' PUBLIC R/W)

STREET "A"
(65' PUBLIC R/W)

EX. FIRE HYDRANT ASSEMBLY (TYP.)

12"x8" TAPPING SLEEVE AND VALVE

30' THOROUGHFARE STREETSCAPE BUFFER

RETAINING WALL (DESIGN BY OTHERS)

FIRE HYDRANT ASSEMBLY (TYP.)

8" DIP W/L

8" SS

SSMH

8"x8" TEE
(3) 8" GV&B

TOP OF BANK (TYP.)

EX. WETLANDS (TYP)

ZONE 1

ZONE 2

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

PERRY, EDWARD L
PERRY, PATRICIA J
PIN: 1748694159
DB. 4002 PG. 867
BM. 1984 PG. 1180
ZONING: R-30
USE: SINGLEFAM

15' TYPE 2 PERIMETER BUFFER

ACTIVE OPEN SPACE
OS-4

10' WIDE PUBLIC GREENWAY TRAIL WITH 30' TOWN OF ROLESVILLE GREENWAY EASEMENT (TYP.)

VARIABLE WIDTH STORMWATER FACILITY MAINTENANCE/ACCESS EASEMENT (TYP.)

STORMWATER CONTROL MEASURE "B"

N/F
VIVIAN HOLMAN
PIN:1748694002
D.B. 18401, PG. 1362
B.M. 1984, PG. 1180
ZONING: R-30
USE: SINGLEFAM

STORMWATER CONTROL MEASURE "G"

VARIABLE WIDTH STORMWATER FACILITY MAINTENANCE/ACCESS EASEMENT (TYP.)

500 YEAR FLOODPLAIN (TYP.)

100 YEAR FLOODPLAIN (TYP.)

N/F
CHESTER HALL
PIN:1748683834
D.B. 15126, PG. 0738
ZONING: R-30
USE: SINGLEFAM

PROPOSED BOARDWALK ACROSS WETLANDS AND STREAM BUFFERS (TYP.)

SEE SHEET C4.09

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

GRAPHIC SCALE
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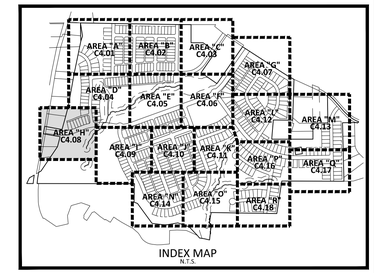
PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION



INDEX MAP
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PSP-23-04

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SCALE	1"=40'
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SHEET

UTILITY PLAN AREA "H"

C4.08

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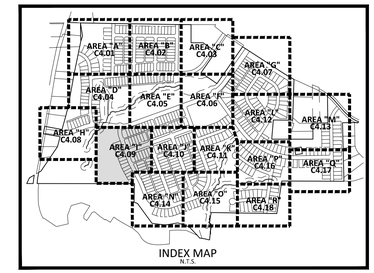

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UTILITY PLAN AREA "I"

C4.09

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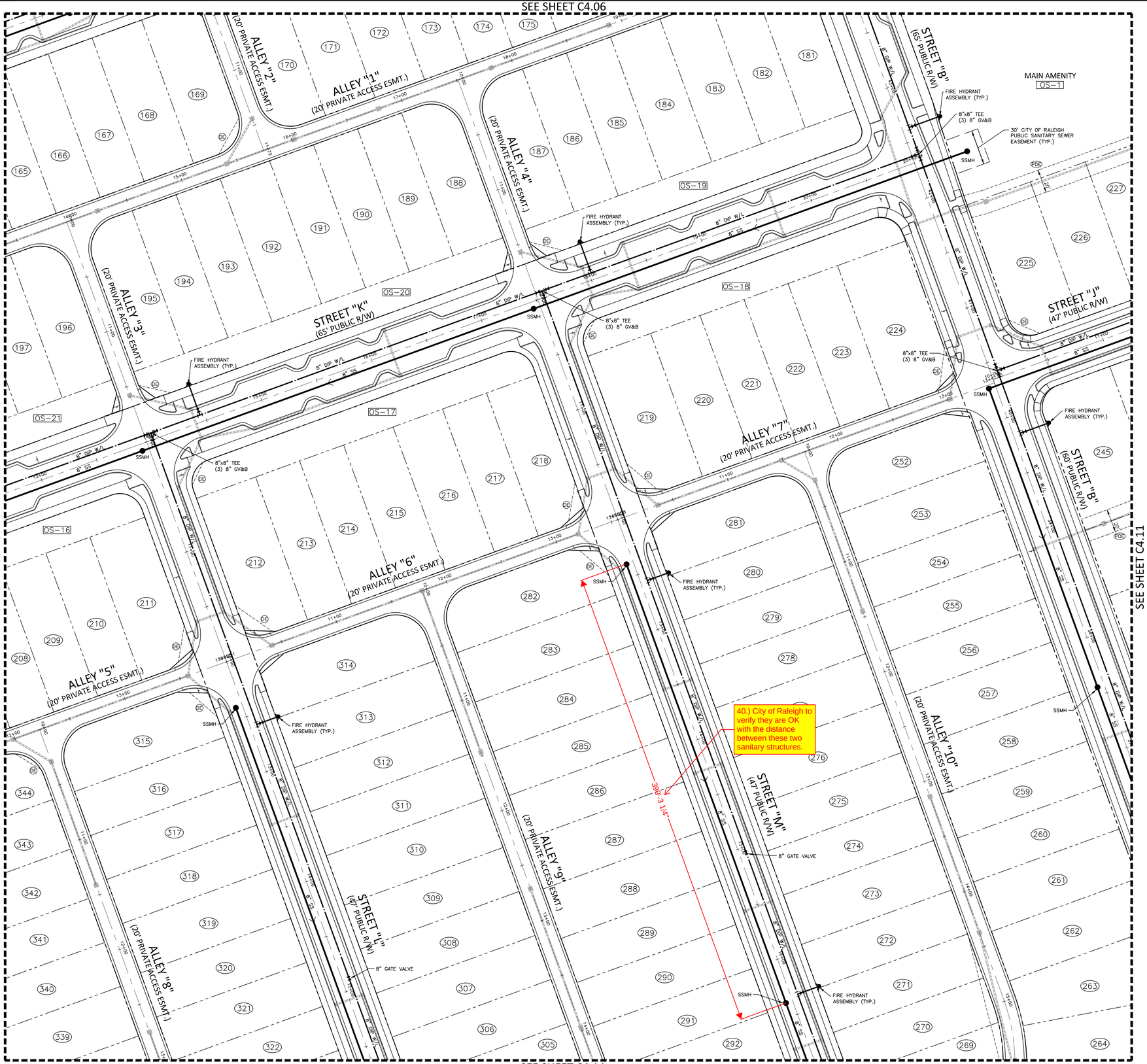
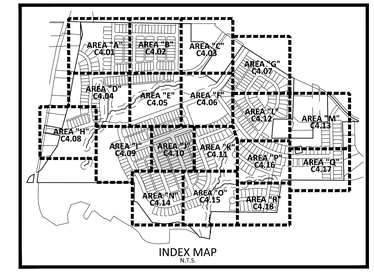
SEE SHEET C4.06



SEE SHEET C4.09

SEE SHEET C4.11

SEE SHEET C4.14



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PSP-23-04

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SHEET

UTILITY PLAN AREA "J"

C4.10

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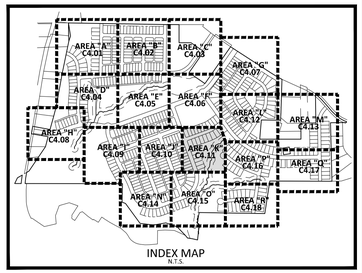
SEE SHEET C4.06



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PSP-23-04

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CHECKED BY	.
DRAWN BY	.
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DATE	12. 01. 2023

SHEET

UTILITY PLAN AREA "K"

C4.11

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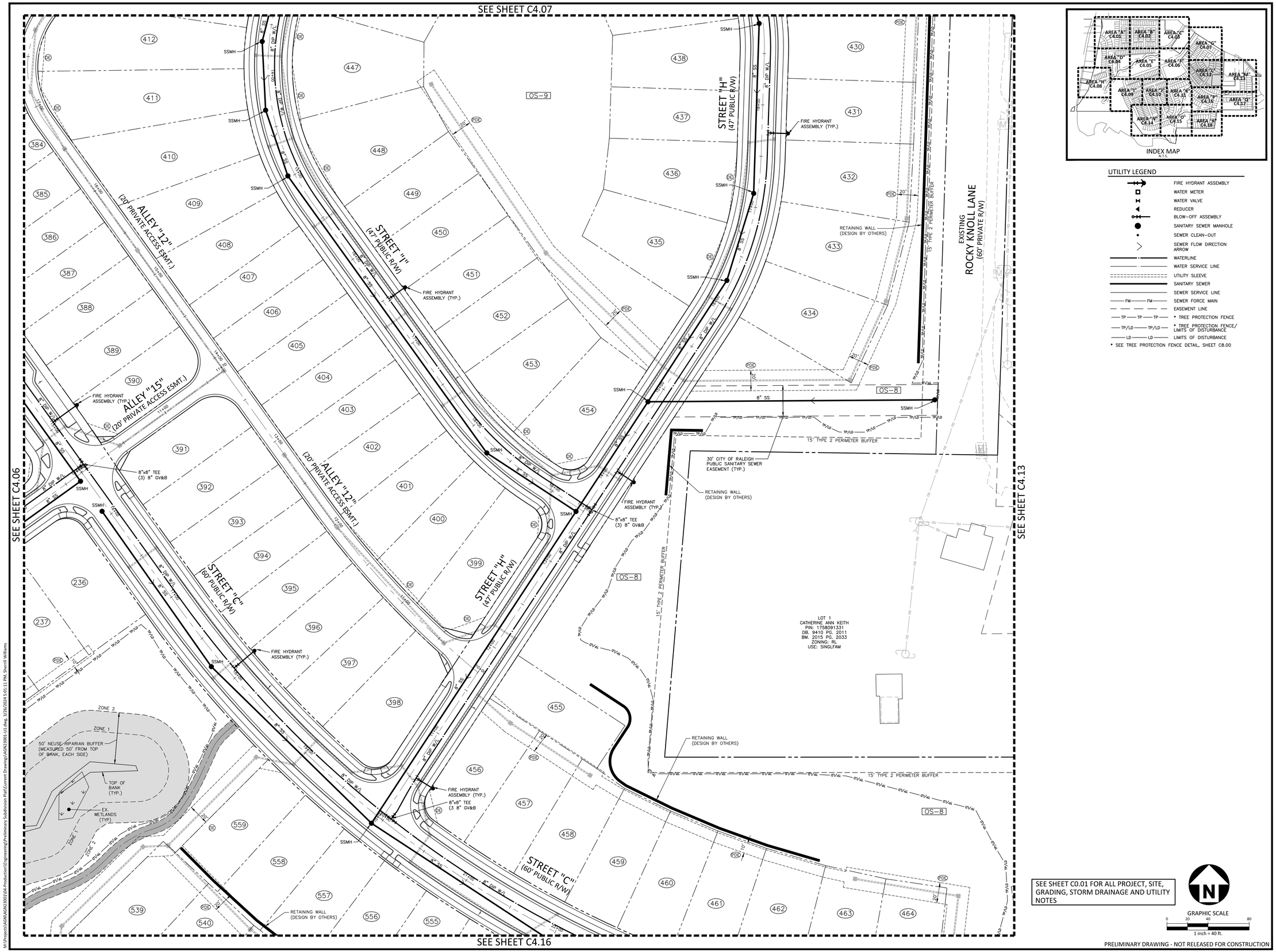

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SHEET

UTILITY PLAN
AREA "L"
C4.12

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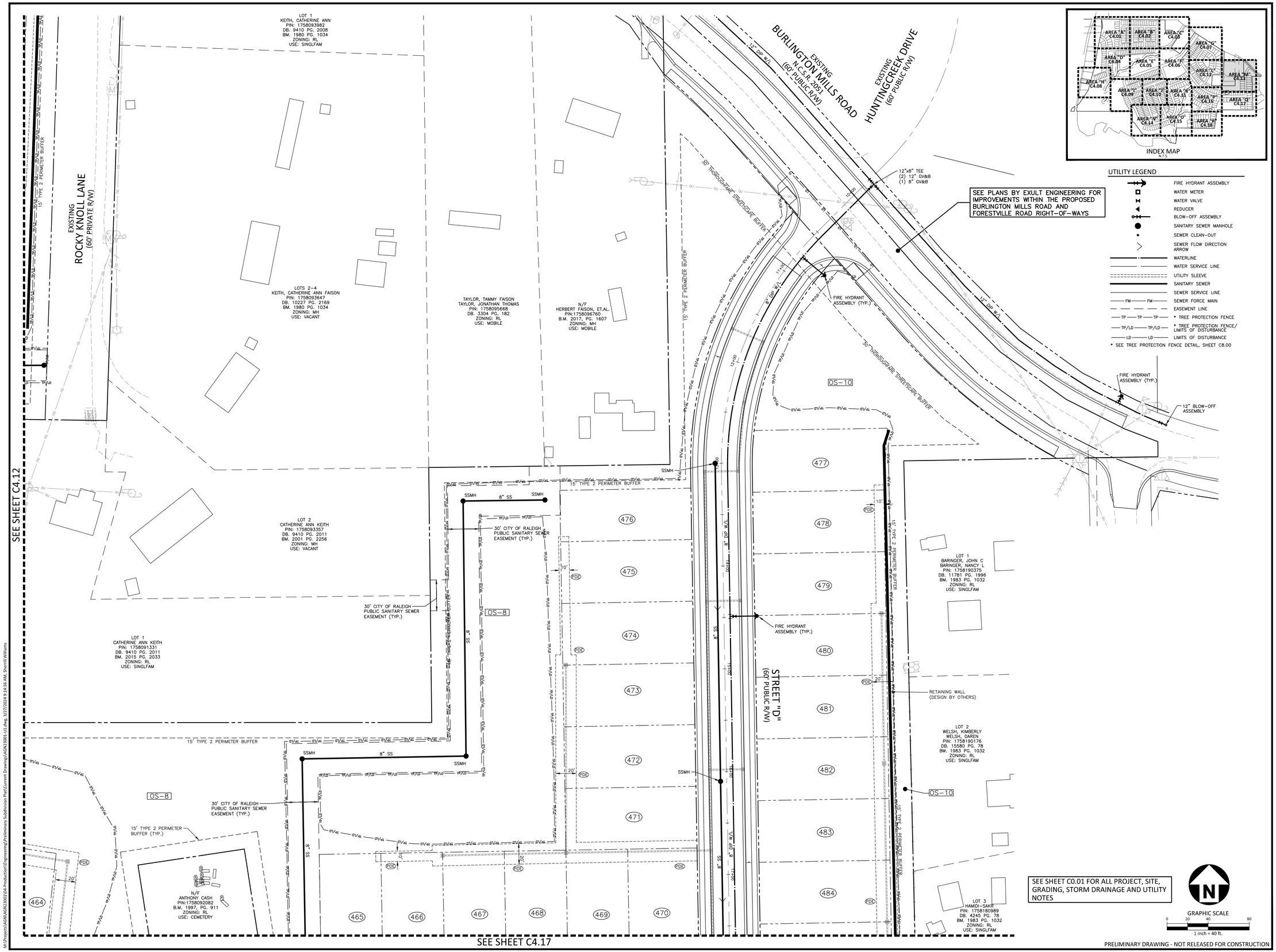

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SHEET

UTILITY PLAN AREA "M"

C4.13

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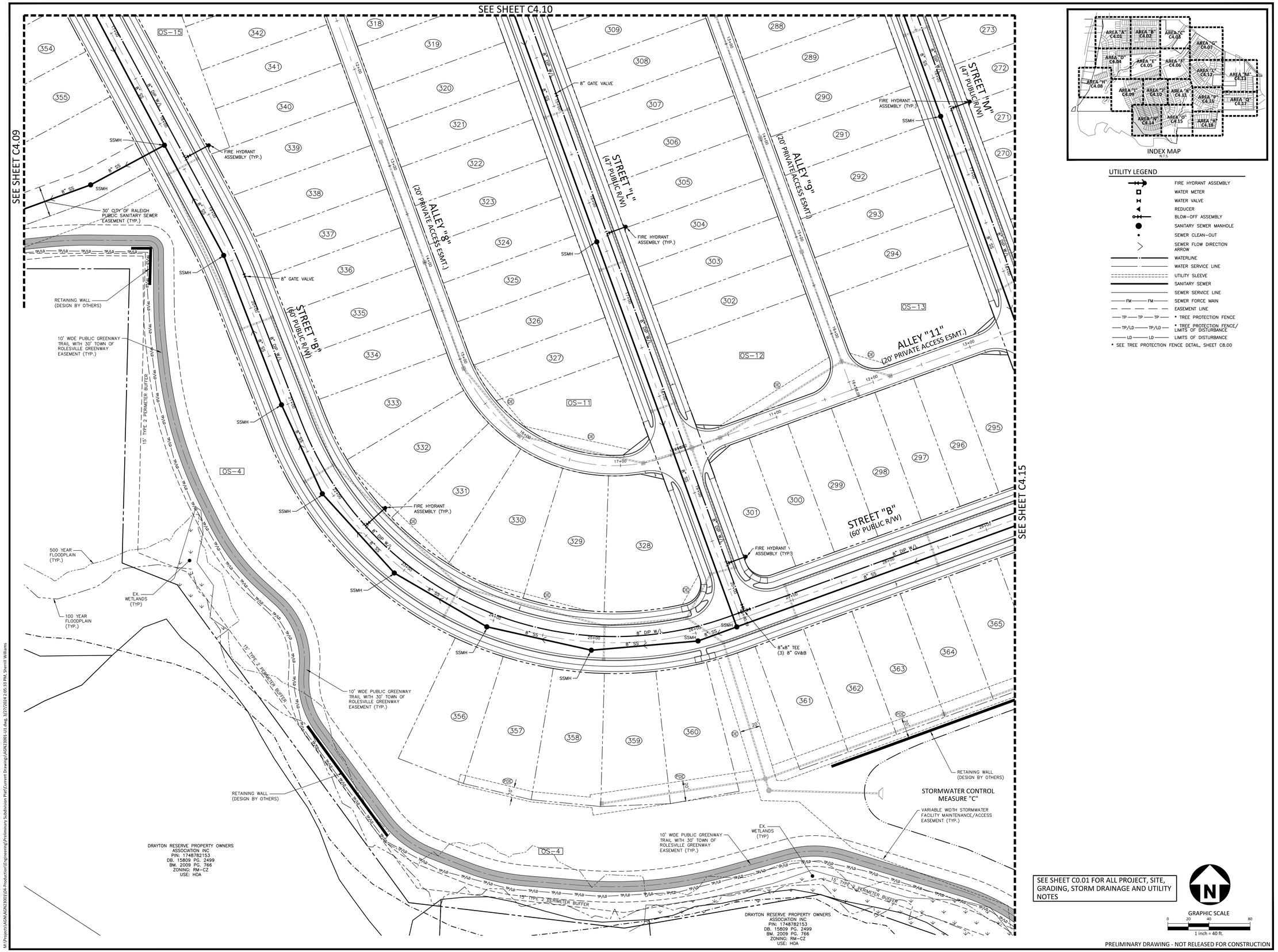

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UTILITY PLAN AREA "N"

C4.14

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SEE SHEET C4.11

SEE SHEET C4.14

SEE SHEET C4.18

ALLEY "10"
(20' PRIVATE ACCESS ESMT.)

ALLEY "11"
(20' PRIVATE ACCESS ESMT.)

STREET "M"
(47' PUBLIC R/W)

STREET "B"
(60' PUBLIC R/W)

STREET "F"
(47' PUBLIC R/W)

STORMWATER CONTROL MEASURE "E"

STORMWATER CONTROL MEASURE "D"

STORMWATER CONTROL MEASURE "C"

OS-4

OS-13

OS-14

FIRE HYDRANT ASSEMBLY (TYP.)

SSMH

8" SS

8" DIP W/L

8"x8" TEE (3) 8" GV&B

30' CITY OF RALEIGH PUBLIC SANITARY SEWER EASEMENT (TYP.)

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

TOP OF BANK (TYP.)

EX. WETLANDS (TYP)

10' WIDE PRIVATE GREENWAY TRAIL (TYP.)

VARIABLE WIDTH STORMWATER FACILITY MAINTENANCE/ACCESS EASEMENT (TYP.)

PROPOSED BOARDWALK ACROSS WETLANDS AND STREAM BUFFERS (TYP.)

RETAINING WALL (DESIGN BY OTHERS)

15' TYPE 2 PERIMETER BUFFER

10' WIDE PUBLIC GREENWAY TRAIL WITH 30' TOWN OF ROLESVILLE GREENWAY EASEMENT (TYP.)

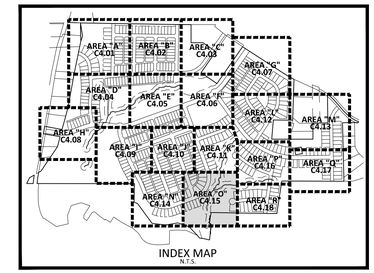
ZONE 1

ZONE 2

TP/LD

41.) City of Raleigh to confirm they are OK with the training wall over the sanitary sewer pipe.

RONALD GAY REVOCABLE TRUST CALDWELL, GINGER ANN GAY
PIN: 1758067247
DB. 15275 PG. 1754
ZONING: RL
USE: SINGLFAM



INDEX MAP
N.T.S.

UTILITY LEGEND

- FIRE HYDRANT ASSEMBLY
- WATER METER
- WATER VALVE
- REDUCER
- BLOW-OFF ASSEMBLY
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- SEWER CLEAN-OUT
- SEWER FLOW DIRECTION ARROW
- WATERLINE
- WATER SERVICE LINE
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- LD — LIMITS OF DISTURBANCE

* SEE TREE PROTECTION FENCE DETAIL, SHEET C8.00

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

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

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

www.mcadamsco.com

CLIENT

ALLIANCE GROUP OF NC, LLC
7208 FALLS OF NEUSE RD, SUITE 101
RALEIGH, NORTH CAROLINA 27615
CONTACT: JACOB ANDERSON
PHONE: 919. 239. 9486

AGNC BROKERAGE | CONSULTING | PLANNING

PEARCE FARM
PRELIMINARY PLAT PLANS
BURLINGTON MILLS ROAD
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP, WAKE COUNTY, NORTH CAROLINA

PSP-23-04

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

REVISIONS

NO.	DATE	
1	04. 01. 2024	REVISED PER TOWN COMMENTS

PLAN INFORMATION

PROJECT NO.	AGN23001
FILENAME	AGN23001-U1
CHECKED BY	.
DRAWN BY	.
SCALE	1"=40'
DATE	12. 01. 2023

SHEET

UTILITY PLAN
AREA "O"

C4.15

M:\Projects\AGN\AGN23001\04-Production\Engineering\Preliminary Subdivision Plat\Current Drawings\AGN23001-U1.dwg, 3/26/2024 5:03:16 PM, Sherrill Williams

SEE SHEET C4.12

SEE SHEET C4.11

SEE SHEET C4.17

SEE SHEET C4.18

STREET "C" (60' PUBLIC R/W)

STREET "G" (47' PUBLIC R/W)

STREET "E" (47' PUBLIC R/W)

LOT 1
CATHERINE ANN KEITH
PIN: 1758091331
DB. 9410 PG. 2011
BM. 2015 PG. 2033
ZONING: RL
USE: SINGLFAM

N/F
ANTHONY CASH
PIN:1758092082
B.M. 1997, PG. 911
ZONING: RL
USE: CEMETERY

RONALD GAY REVOCABLE TRUST CALDWELL, GINGER ANN GAY
PIN: 1758067247
DB. 15275 PG. 1754
ZONING: RL
USE: SINGLFAM

STORMWATER CONTROL MEASURE "E"

RETAINING WALL (DESIGN BY OTHERS)

FIRE HYDRANT ASSEMBLY (TYP.)

8"x8" TEE (3) 8" GV&B

SSMH

8" SS

8" DIP W/L

15' TYPE 2 PERIMETER BUFFER (TYP.)

20' WIDE ACCESS EASEMENT TO CEMETERY FROM PUBLIC RIGHT-OF-WAY

10' WIDE PRIVATE GREENWAY TRAIL (TYP.)

VARIABLE WIDTH STORMWATER FACILITY MAINTENANCE/ACCESS EASEMENT (TYP.)

30' CITY OF RALEIGH PUBLIC SANITARY SEWER EASEMENT (TYP.)

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

TOP OF BANK (TYP.)

EX. WETLANDS (TYP)

OS-4

OS-7

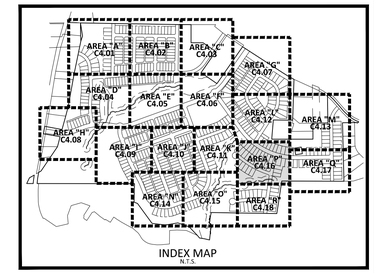
OS-8

ZONE 1

ZONE 2

PDE

DE



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BURLINGTON MILLS ROAD
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP, WAKE COUNTY, NORTH CAROLINA

PSP-23-04

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

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CHECKED BY	.
DRAWN BY	.
SCALE	1"=40'
DATE	12. 01. 2023

SHEET

UTILITY PLAN AREA "P"

C4.16

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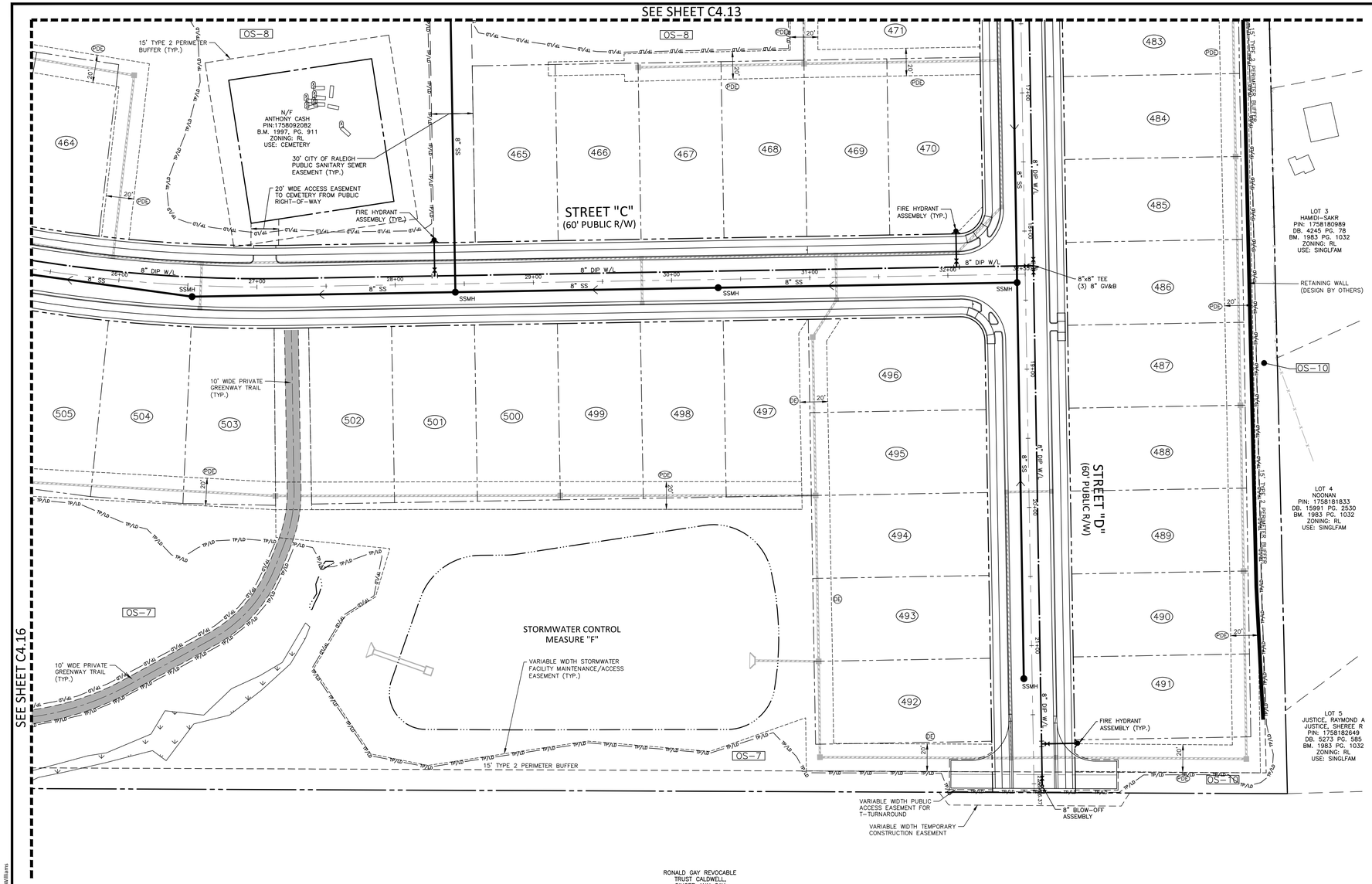

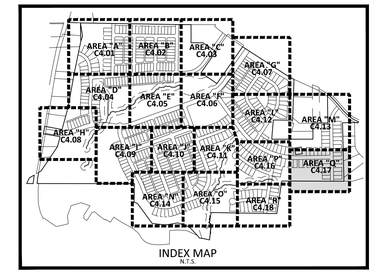

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PSP-23-04

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

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DRAWN BY	.
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DATE	12. 01. 2023

SHEET

UTILITY PLAN
AREA "Q"

C4.17

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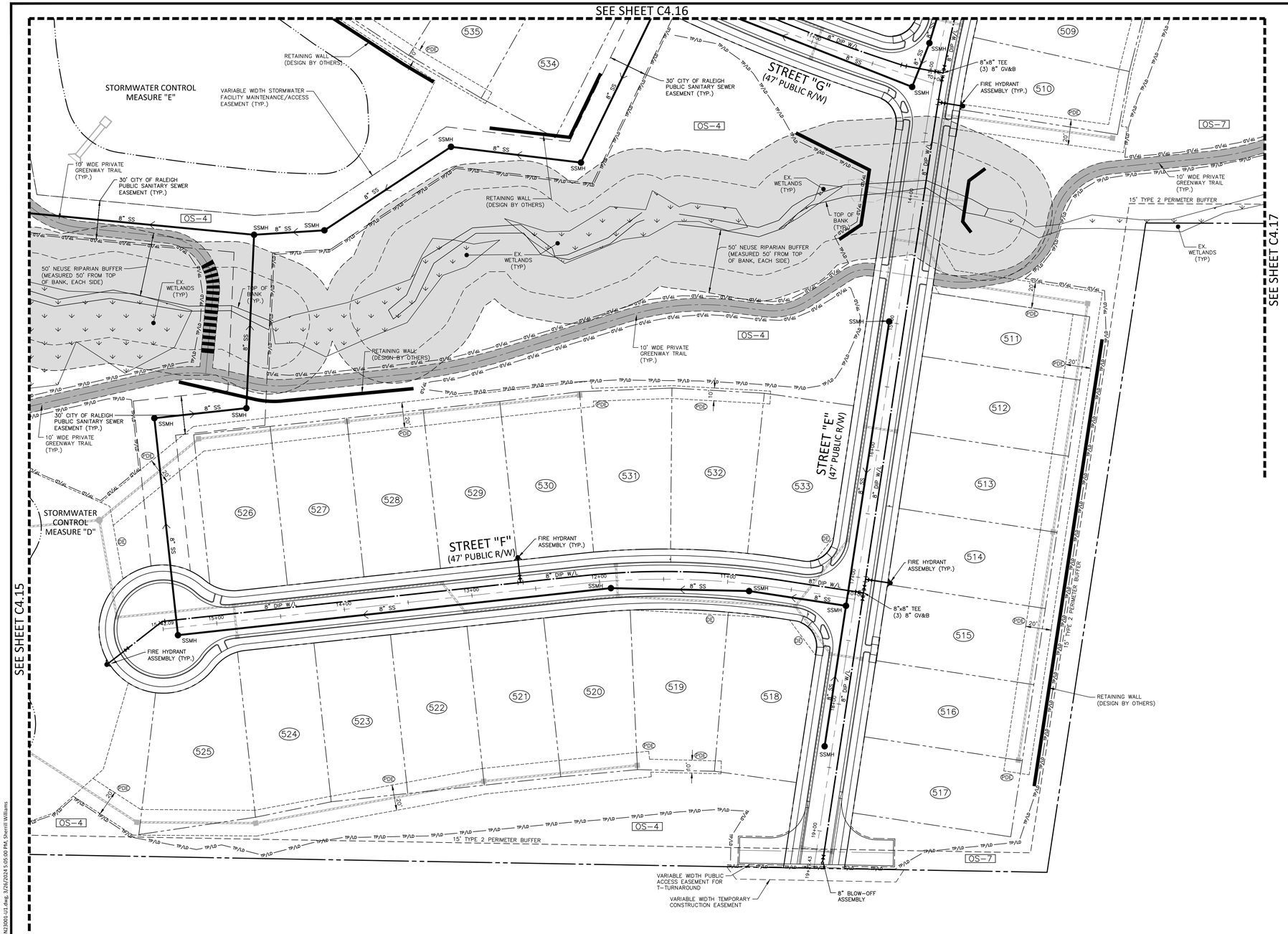

RONALD GAY REVOCABLE TRUST CALDWELL, GINGER ANN GAY
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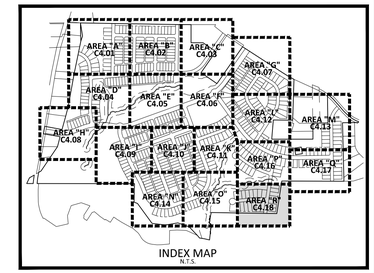
DB. 15275 PG. 1754
ZONING: RL
USE: SINGLFAM



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DRAWN BY	.
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DATE	12. 01. 2023

SHEET

UTILITY PLAN AREA "R"

C4.18

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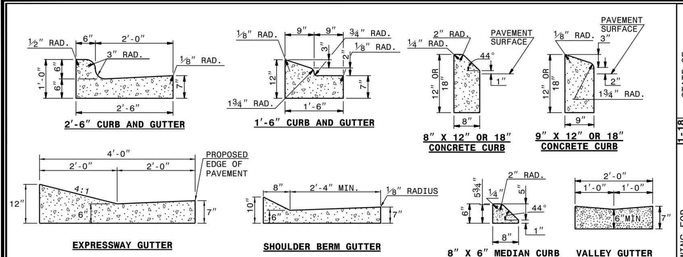
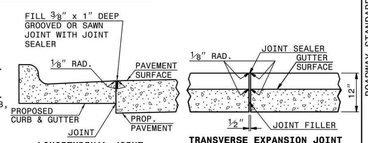


SECTION VIEW OF CURBS OR CURBS AND GUTTERS

GENERAL NOTES:
- PLACE CONTRACTION JOINTS AT 10' INTERVALS, EXCEPT THAT A 15' SPACING MAY BE USED WHEN A MACHINE IS USED OR WHEN SATISFACTORY SUPPORT FOR THE FACE FORM CAN BE OBTAINED WITHOUT THE USE OF TEMPLATES AT 10' INTERVALS.
- JOINT SPACING MAY BE ALTERED IF REQUIRED BY THE ENGINEER.
- CONTRACTION JOINTS MAY BE INSTALLED WITH THE USE OF TEMPLATES OR FORMED BY OTHER APPROVED METHODS.
- CONSTRUCT NON-TEMPLATE FORMED JOINTS A MIN. OF 1½" DEEP.
- FILL ALL CONSTRUCTION JOINTS, EXCEPT IN 8"x6" MEDIAN CURB, WITH JOINT FILLER AND SEALER.
- SPACE EXPANSION JOINTS AT 90' INTERVALS AND ADJACENT TO ALL RIGID OBJECTS.



SECTION VIEW OF JOINTS

STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

1-18

ROADWAY STANDARD DRAWING FOR
CONCRETE CURB, GUTTER AND CURB & GUTTER

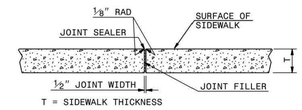
SHEET 1 OF 3
846.01

NOTES:

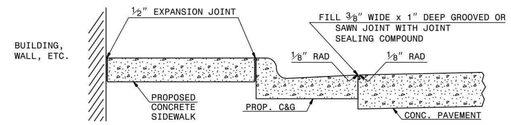
CONSTRUCT STANDARD SIDEWALK 5' WIDE AND 4" THICK UNLESS OTHERWISE DENOTED ON PLANS.

PLACE A GROOVE JOINT 1" DEEP WITH ⅛" RADII IN THE CONCRETE SIDEWALK AT 5' INTERVALS. ONE ½" EXPANSION JOINT WILL BE REQUIRED AT 50' INTERVALS. A ½" EXPANSION JOINT WILL BE REQUIRED WHERE THE SIDEWALK JOINS ANY RIGID STRUCTURE.

SEE STD. DWG. 848.05 FOR CURB RAMP LOCATION REQUIREMENTS AND CONSTRUCTION GUIDELINES.



TRANSVERSE EXPANSION JOINT IN SIDEWALK



DETAILS SHOWING JOINTS IN CONCRETE SIDEWALK

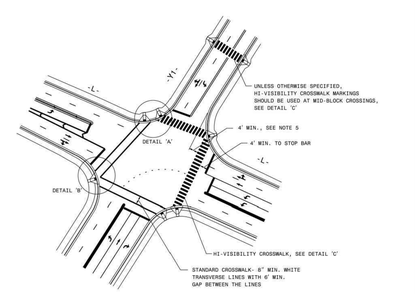
STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

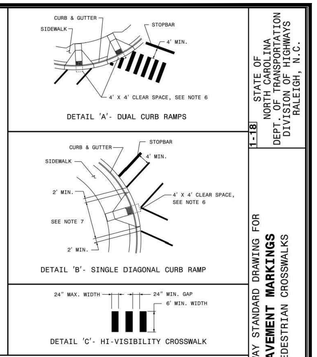
1-18

ROADWAY STANDARD DRAWING FOR
CONCRETE SIDEWALK

SHEET 1 OF 1
848.01

CROSSWALK PLACEMENT GUIDANCE





GENERAL NOTES:

1- USE THE DETAILS ABOVE AND THE FOLLOWING NOTES FOR GUIDANCE IN PLACING CROSSWALK MARKINGS. REFER TO NCDOT ROADWAY STANDARD DRAWINGS, MUTCD AND ADA STANDARDS FOR ADDITIONAL GUIDANCE.

2- THE LOCATION AND TYPE OF CROSSWALK MARKINGS SHOWN ON THE ABOVE DETAILS ARE FOR REFERENCE ONLY. LOCATE CROSSWALK MARKINGS AS SHOWN ON THE PROJECT DETAIL SHEETS OR AS DIRECTED BY THE ENGINEER. THE CROSSWALK MARKING TYPE, STANDARD OR HI-VISIBILITY, SHALL BE INSTALLED AS SPECIFIED ON THE PROJECT DETAIL SHEETS OR AS DIRECTED BY THE ENGINEER.

3- THE STANDARD CROSSWALK IS TWO WHITE 8" WIN. TRANSVERSE LINES WITH A 6' MIN. GAP BETWEEN THE LINES. THE HI-VISIBILITY CROSSWALK IS WHITE 24" WAX. WIDE LONGITUDINAL LINES WITH 24" MIN. GAPS BETWEEN LINES, SEE DETAIL 'C'. HI-VISIBILITY CROSSWALKS SHOULD BE A MINIMUM OF 6' WIDE. CURB RAMPS SHALL BE WHOLLY CONTAINED WITHIN THE MARKINGS, EXCLUDING ANY FLARES.

4- STOP BARS SHOULD BE PLACED A 4' MIN. IN ADVANCE OF NEAREST CROSSWALK LINE.

5- SET BACK DISTANCE FROM INSIDE CROSSWALK MARKING TO NEAREST EDGE OF TRAVEL IS 4' MIN.

6- BEYOND THE BOTTOM GRADE BREAK, A CLEAR SPACE OF 4' X 4' MIN. SHALL BE PROVIDED WITHIN THE MARKINGS.

7- SINGLE DIAGONAL CURB RAMPS WITH FLARED SIDES SHALL HAVE A SEGMENT OF CURB 2' MIN. LONG LOCATED ON EACH SIDE OF THE CURB RAMP AND WITHIN THE MARKED CROSSING, SEE DETAIL 'B'.

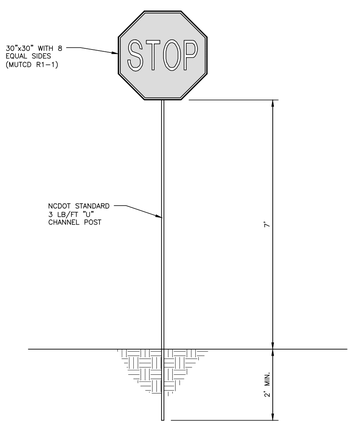
8- CURB RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE TO THE LATEST NCDOT ROADWAY STANDARD DRAWINGS. CURB RAMPS THROUGH MEDIAN ISLANDS, SINGLE RAMPS AT DUAL CROSSWALKS OR LIMITED R/W SITUATIONS, WILL BE HANDLED BY SPECIAL DETAILS. CONTACT THE CONTRACT STANDARDS AND DEVELOPMENT UNIT FOR DETAILS OR A SPECIAL DESIGN.

STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

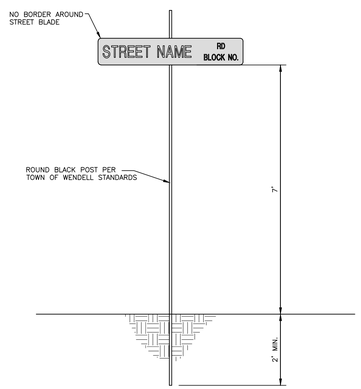
1-18

ROADWAY STANDARD DRAWING FOR
PAVEMENT MARKINGS
PEDESTRIAN CROSSWALKS

SHEET 1 OF 1
1205.07



STOP SIGN DETAIL
N.T.S.



STREET SIGN DETAIL
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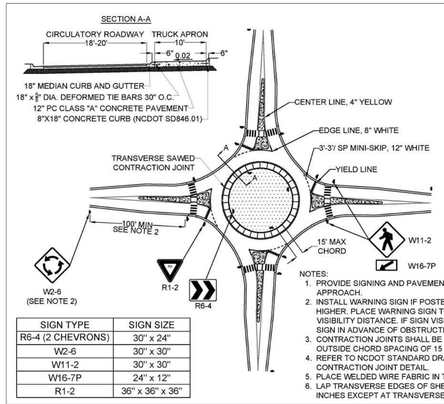
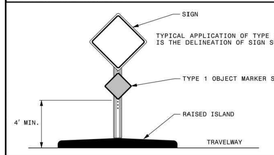


SIGN TYPE	SIGN SIZE
R6-4 (2 CHEVRONS)	30" x 24"
W2-6	30" x 30"
W11-2	30" x 30"
W16-7P	24" x 12"
R1-2	36" x 36" x 36"

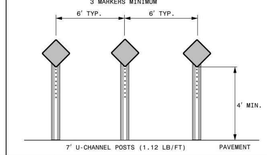
NOTES:
1. PROVIDE SIGNING AND PAVEMENT MARKINGS ON EACH LEG OF THE APPROACH.
2. INSTALL WARNING SIGN IF POSTED SPEED LIMIT IS 40 MPH OR HIGHER. PLACE WARNING SIGN TO PROVIDE 180 FEET MINIMUM VISIBILITY DISTANCE. IF SIGN VISIBILITY IS OBSTRUCTED, PLACE SIGN IN ADVANCE OF OBSTRUCTION.
3. CONTRACTION JOINTS SHALL BE EQUALLY SPACED, WITH MAX OUTSIDE CHORD SPACING OF 15 FEET.
4. REFER TO NCDOT STANDARD DRAWINGS 700.01 FOR TRANSVERSE CONTRACTION JOINT DETAIL.
5. PLACE WELDED WIRE FABRIC IN THE CENTER OF SLAB.
6. LAP TRANSVERSE EDGES OF SHEETS OF WELDED WIRE FABRIC 12 INCHES EXCEPT AT TRANSVERSE EXPANSION JOINTS.

SINGLE-LANE ROUNDABOUT

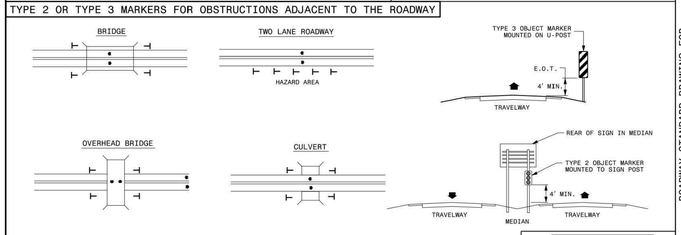
TYPE 1 OR TYPE 3 MARKERS FOR OBSTRUCTIONS WITHIN THE ROADWAY



TYPE 4 MARKERS FOR END OF ROADWAY



TYPE 2 OR TYPE 3 MARKERS FOR OBSTRUCTIONS ADJACENT TO THE ROADWAY



TYPICAL APPLICATIONS OF TYPE 2 OR TYPE 3 OBJECT MARKERS INCLUDES DELINEATION OF BRIDGE PIERS, ABUTMENTS, HANDRAILS, CULVERT HEADWALLS, NARROW SHOULDERS, DROP-OFFS, OR OTHER UNDESIRABLE CONDITIONS WHEN GUARDRAIL OR OTHER ROADSIDE PROTECTION IS NOT IN PLACE.

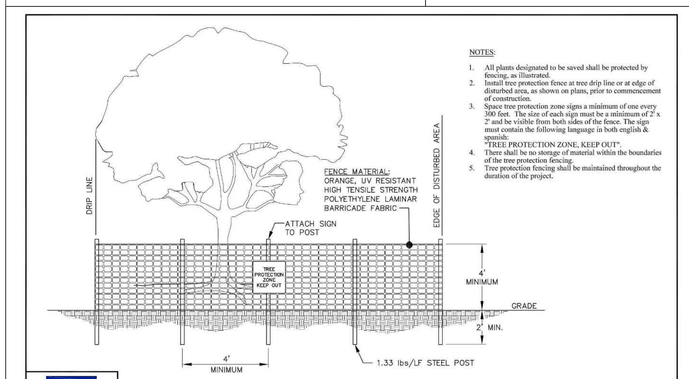
LEGEND
- OBJECT MARKER
- DIRECTION OF TRAFFIC FLOW

STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

1-18

ROADWAY STANDARD DRAWING FOR
OBJECT MARKERS
INSTALLATION

SHEET 1 OF 1
1264.02



NOTES:
1. All plants designated to be saved shall be protected by fencing, as illustrated.
2. Install tree protection fence at tree drip line or at edge of disturbed area, as shown on plans, prior to commencement of construction.
3. Space tree protection zone signs a minimum of one every 300 feet. The size of each sign must be a minimum of 2' x 2' and be visible from both sides of the fence. The sign must contain the following language in both english & spanish:
"TREE PROTECTION ZONE, KEEP OUT".
4. There shall be no storage of material within the boundaries of the tree protection fencing.
5. Tree protection fencing shall be maintained throughout the duration of the project.

WAKE COUNTY NORTH CAROLINA

REVISED: 1/2/2020

STANDARD TREE PROTECTION FENCE DETAIL

A-11

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

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

www.mcadamsco.com

CLIENT

ALLIANCE GROUP OF NC, LLC
7208 FALLS OF NEUSE RD, SUITE 101
RALEIGH, NORTH CAROLINA 27615
CONTACT: JACOB ANDERSON
PHONE: 919. 239. 9486

AGNC BROKERAGE | CONSULTING | PLANNING

PEARCE FARM
PRELIMINARY PLAT PLANS
BURLINGTON MILLS ROAD
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP, WAKE COUNTY, NORTH CAROLINA

PSP-23-04

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

REVISIONS

NO.	DATE	
1	04. 01. 2024	REVISED PER TOWN COMMENTS

PLAN INFORMATION

PROJECT NO.	AGN23001
FILENAME	AGN23001-D1
CHECKED BY	.
DRAWN BY	.
SCALE	N.T.S.
DATE	12. 01. 2023

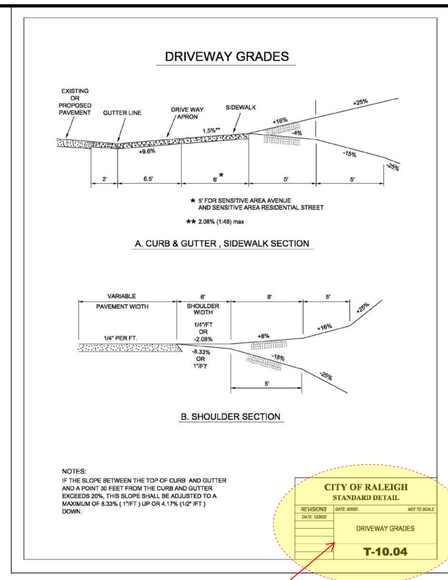
SHEET

SITE DETAILS

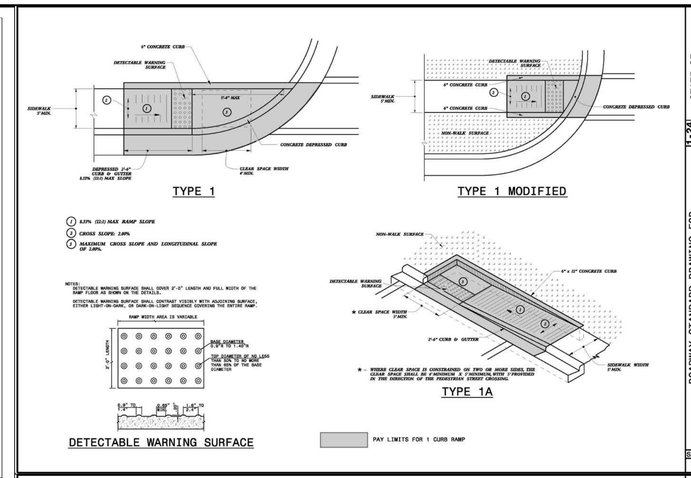
C8.00

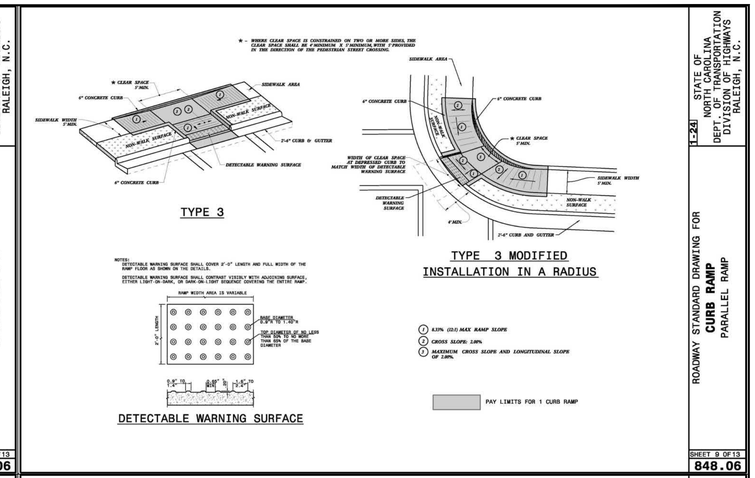
PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

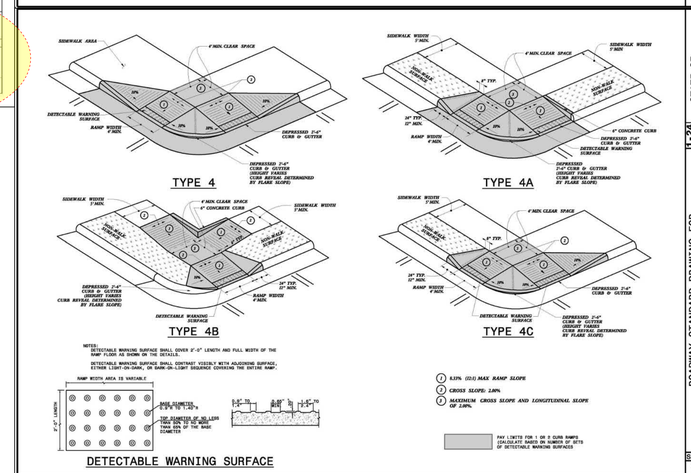
M:\Projects\AGN\AGN23001\04-Production\Engineering\Preliminary Subdivision Plat\Current Drawing\AGN23001-D1.dwg, 3/26/2024 3:48:13 PM, Sherrill Williams



42.) Town of Rolesville defaults to NCDOT details; please use NCDOT details when applicable. If they don't apply, please remove the COR label and provide "custom" details.



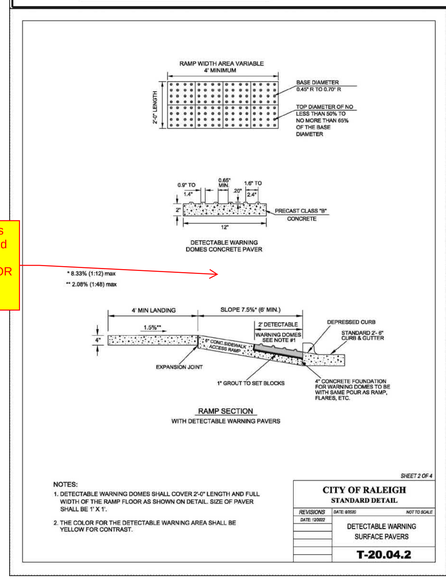




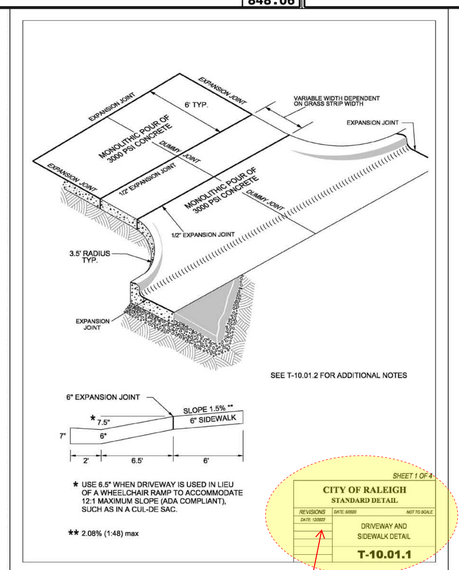
NOTES:

1. CONSTRUCT THE RAMP SURFACE TO BE STABLE, FIRM, AND SLIP RESISTANT. CONSTRUCT THE CURB RAMP TYPE AS SHOWN IN THE PAVEMENT MARKING PLANS OR AS DIRECTED BY THE ENGINEER.
2. LOCATE CURB RAMPS AND PLACE PEDESTRIAN CROSSWALK MARKINGS AS SHOWN IN THE PAVEMENT MARKING PLANS. WHEN FIELD ADJUSTMENTS REQUIRE MOVING CURB RAMPS OR MARKINGS AS SHOWN, CONTACT THE SIGNING AND DELINEATION UNIT OR LOCATE AS DIRECTED BY THE ENGINEER.
3. COORDINATE THE CURB RAMP AND THE PEDESTRIAN CROSSWALK MARKINGS SO A 4'x4' CLEAR SPACE AT THE BASE OF THE CURB RAMP WILL FALL WITHIN THE PEDESTRIAN CROSSWALK LINES.
4. SET BACK DISTANCE FROM INSIDE CROSSWALK MARKING TO NEAREST EDGE OF TRAVEL LANE IS 4' MINIMUM.
5. REFER TO THE PAVEMENT MARKING PLANS FOR STOP BAR LOCATIONS AT SIGNALIZED INTERSECTIONS. IF A PAVEMENT MARKING PLAN IS NOT PROVIDED, CONTACT THE SIGNAL DESIGN SECTION FOR THE TOP BAR LOCATIONS OR LOCATE AS DIRECTED BY THE ENGINEER.
6. TERMINATE PARKING A MINIMUM OF 20' FROM THE BACK OF PEDESTRIAN CROSSWALK.
7. CONSTRUCT CURB RAMPS A MINIMUM OF 4' WIDE.
8. CONSTRUCT THE RUNNING SLOPE OF THE RAMP 8.33% MAXIMUM.
9. ALLOWABLE CROSS SLOPE ON SIDEWALKS AND CURB RAMPS WILL BE 2% MAXIMUM.
10. CONSTRUCT THE SIDE FLARE SLOPE A MAXIMUM OF 10% MEASURED ALONG THE CURB LINE.
11. CONSTRUCT THE COUNTER SLOPE OF THE GUTTER OR STREET AT THE BASE OF THE CURB RAMP A MAXIMUM OF 5% AND MAINTAIN A SMOOTH TRANSITION.
12. CONSTRUCT CLEAR SPACES FOR SIDEWALK A MINIMUM OF 4'x4' WITH A MAXIMUM SLOPE OF 2% IN ANY DIRECTION. CONSTRUCT CLEAR SPACES FOR MEDIAN ISLANDS A MINIMUM OF 5'x5' WITH A MAXIMUM SLOPE OF 2% IN ANY DIRECTION. IF CONSTRAINED ON TWO OR MORE SIDES, THE THE CLEAR SPACE SHALL BE 4' MINIMUM X 5' MINIMUM, WITH 5' PROVIDED IN THE DIRECTION OF THE PEDESTRIAN STREET CROSSING.
13. TO USE A MEDIAN ISLAND AS A PEDESTRIAN REFUGE AREA, MEDIAN ISLANDS WILL BE A MINIMUM OF 6' WIDE. CONSTRUCT MEDIAN ISLANDS TO PROVIDE PASSAGE OVER OR THROUGH THE ISLAND.
14. SMALL CHANNELIZATION ISLANDS THAT CAN NOT PROVIDE A 5'X5' CLEAR SPACE AT THE TOP OF RAMPS, WILL BE CUT THROUGH LEVEL WITH THE SURFACE STREET.
15. CURB RAMPS WITH RETURNED CURBS MAY BE USED ONLY WHERE PEDESTRIANS WOULD NOT NORMALLY WALK ACROSS THE RAMP, WHERE THE ADJACENT SURFACE IS PLANTING OR OTHER NON-WALKING SURFACE, OR THE SIDE APPROACH IS SUBSTANTIALLY OBSTRUCTED.
16. PLACE A ½" EXPANSION JOINT WHERE THE CONCRETE CURB RAMP JOINS THE CURB AS SHOWN IN ROADWAY STANDARD DRAWING 848.01.
17. PLACE ALL PEDESTRIAN PUSH BUTTON ACTUATORS AND CROSSING SIGNALS AS SHOWN IN THE PLANS OR AS SHOWN IN THE MUTCD.
18. DETECTABLE WARNING SURFACES WILL COVER 2'-0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON THE DETAILS.
19. DETECTABLE WARNING SURFACES WILL CONTRAST VISIBLY WITH ADJOINING SURFACE, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT SEQUENCE COVERING THE ENTIRE RAMP.

STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.
1-24
ROADWAY STANDARD DRAWING FOR CURB RAMP NOTES
SHEET 13 OF 13
848.06



43.) NCDOT details 848.06 needed. Add the NCDOT detail and remove the COR ones that are not needed.



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PSP-23-04

NORTH CAROLINA PROFESSIONAL SEAL 22630 ENGINEER WILLIAM T. O'DANIEL
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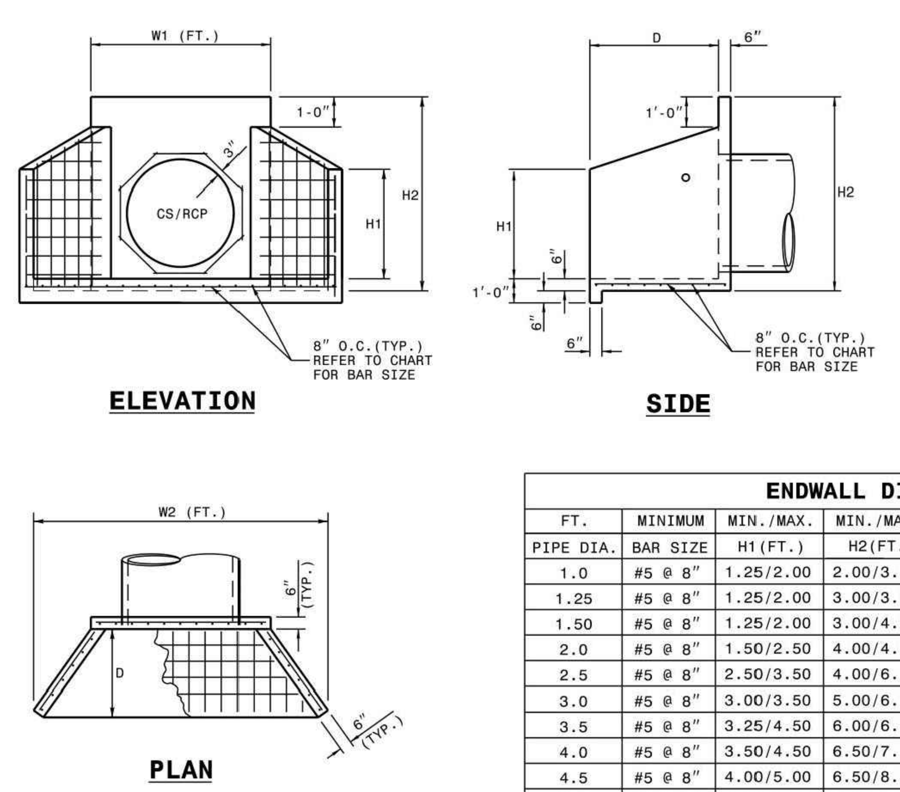
DATE	12. 01. 2023

SHEET

SITE DETAILS

C8.01

M:\Projects\AGN\AGN23001\04-Production\Engineering\Preliminary Subdivision Plat\Current Drawings\AGN23001-D1.dwg, 3/16/2024 3:48:30 PM, Sherrill Williams



NOTES:

* THIS PRECAST ENDWALL MAY BE USED FOR THE FOLLOWING STANDARDS: 838.01, 838.11, 838.21, 838.27, 838.33, 838.39, 838.51, 838.57, 838.63 AND 838.69.
* INSTALL PRECAST ENDWALLS WITH WINGS AND PAY FOR IN ACCORDANCE WITH SPECIFICATION SECTION 838.
* USE 4000 PSI CONCRETE.
* PROVIDE ALL REINFORCING STEEL WHICH MEETS ASTM A615 FOR GRADE 60 AND WELDED WIRE FABRIC CONFORMING TO ASTM A185 WITH 2" MIN. CLEARANCE.
* PLACE LIFT HOLES OR PINS IN ACCORDANCE WITH OSHA STANDARD 1926.704.
* PIPE TO BE GROUTED INTO HEADWALL AT JOB SITE BY CONTRACTOR
* ALL ELEMENTS PRECAST TO MEET ASTM C913.
* WELDED WIRE FABRIC MAY BE SUBSTITUTED FOR REBAR AS LONG AS THE SAME AREA OF STEEL IS PROVIDED.
* CHAMFER ALL CORNERS 1" OR HAVE A RADIUS OF 1".

NOTE: THE MINIMUM BAR SIZE SHALL BE #5 BARS AT 8" CTS. THE CONTRACTOR WILL HAVE THE OPTION TO INCREASE THIS BAR SIZE AS NEEDED.

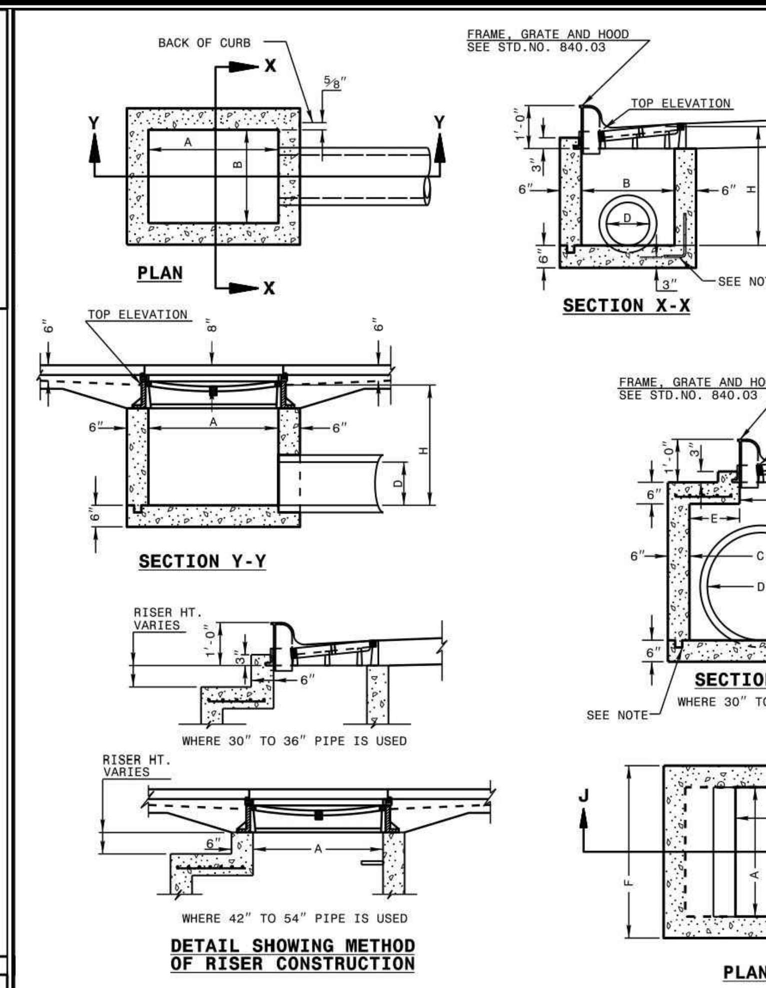
ENDWALL DIMENSIONS

FT.	MINIMUM	MIN./MAX.	MIN./MAX.	MIN./MAX.	MIN./MAX.	MIN./MAX.
PIPE DIA.	BAR SIZE	H1(FT.)	H2(FT.)	D (FT.)	W1	W2
1.0	#5 @ 8"	1.25/2.00	2.00/3.75	1.25/1.75	3.00/3.75	5.50/6.00
1.25	#5 @ 8"	1.25/2.00	3.00/3.75	1.25/2.00	3.50/3.75	6.50/6.75
1.50	#5 @ 8"	1.25/2.00	3.00/4.25	1.50/2.50	3.50/3.75	6.50/6.75
2.0	#5 @ 8"	1.50/2.50	4.00/4.75	1.75/2.50	4.00/4.25	7.50/8.25
2.5	#5 @ 8"	2.50/3.50	4.00/6.00	2.00/3.00	4.50/5.50	10.00/11.50
3.0	#5 @ 8"	3.00/3.50	5.00/6.00	2.75/3.50	5.25/5.75	11.50/11.75
3.5	#5 @ 8"	3.25/4.50	6.00/6.75	3.25/3.50	6.00/6.75	12.00/13.25
4.0	#5 @ 8"	3.50/4.50	6.50/7.00	3.25/3.50	6.50/6.75	13.00/13.25
4.5	#5 @ 8"	4.00/5.00	6.50/8.50	3.25/4.00	7.00/9.25	13.50/15.75
5.0	#5 @ 8"	4.50/5.00	7.00/8.50	3.25/4.00	7.25/9.25	13.75/15.75
5.5	#5 @ 8"	4.50/5.00	7.50/8.50	3.25/4.00	7.25/9.25	14.00/15.75
6.0	#5 @ 8"	4.50/5.00	7.50/8.50	3.25/4.00	7.75/9.25	14.75/16.75

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.
1-18

ROADWAY STANDARD DRAWING FOR
PRECAST CONCRETE ENDWALL
FOR SINGLE 12" THRU 72" PIPE - 90° SKEW

SHEET 1 OF 1
838.80



GENERAL NOTES:

USE CLASS "B" CONCRETE THROUGHOUT.

PROVIDE ALL CATCH BASINS OVER 3'-6" IN DEPTH WITH STEPS 12" ON CENTER. USE STEPS WHICH COMPLY WITH STD. DRAWING 840.66.

OPTIONAL CONSTRUCTION - MONOLITHIC POUR, 2" KEYWAY, OR #4 BAR DOWELS AT 12" CENTERS AS DIRECTED BY THE ENGINEER.

USE FORMS FOR THE CONSTRUCTION OF THE BOTTOM SLAB.

IF REINFORCED CONCRETE PIPE IS SET IN BOTTOM SLAB OF BOX, ADD TO SLAB AS SHOWN ON STD. NO. 840.00.

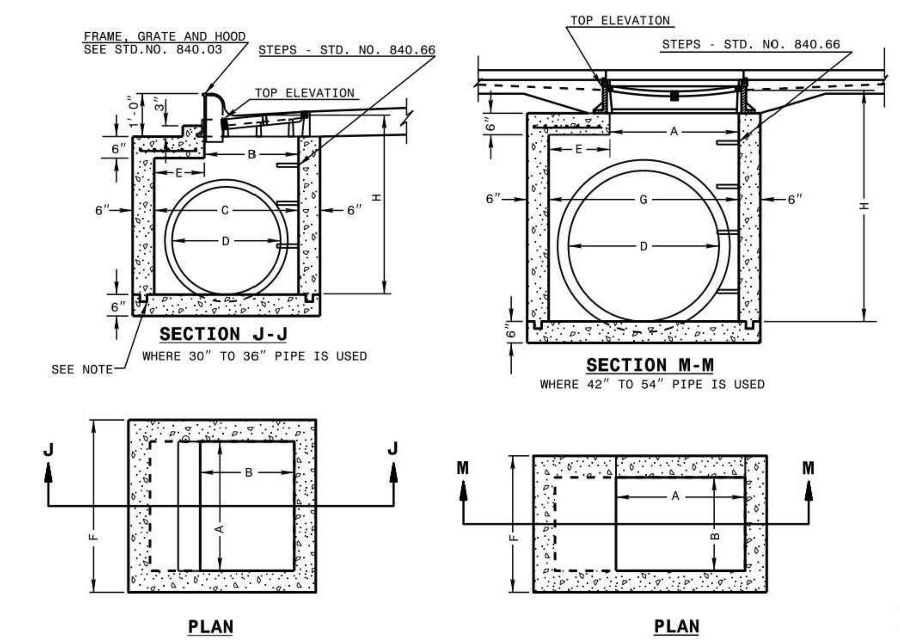
USE TYPE "E", "F" AND "G" GRATES UNLESS OTHERWISE INDICATED.

FOR 8'-0" IN HEIGHT OR LESS USE 6" WALLS AND BOTTOM SLAB. OVER 8'-0" TO 16'-0" IN HEIGHT USE 8" WALLS AND BOTTOM SLAB. ADJUST QUANTITIES ACCORDINGLY.

CONSTRUCT WITH PIPE CROWNS MATCHING.

CHAMFER ALL EXPOSED CORNERS 1".

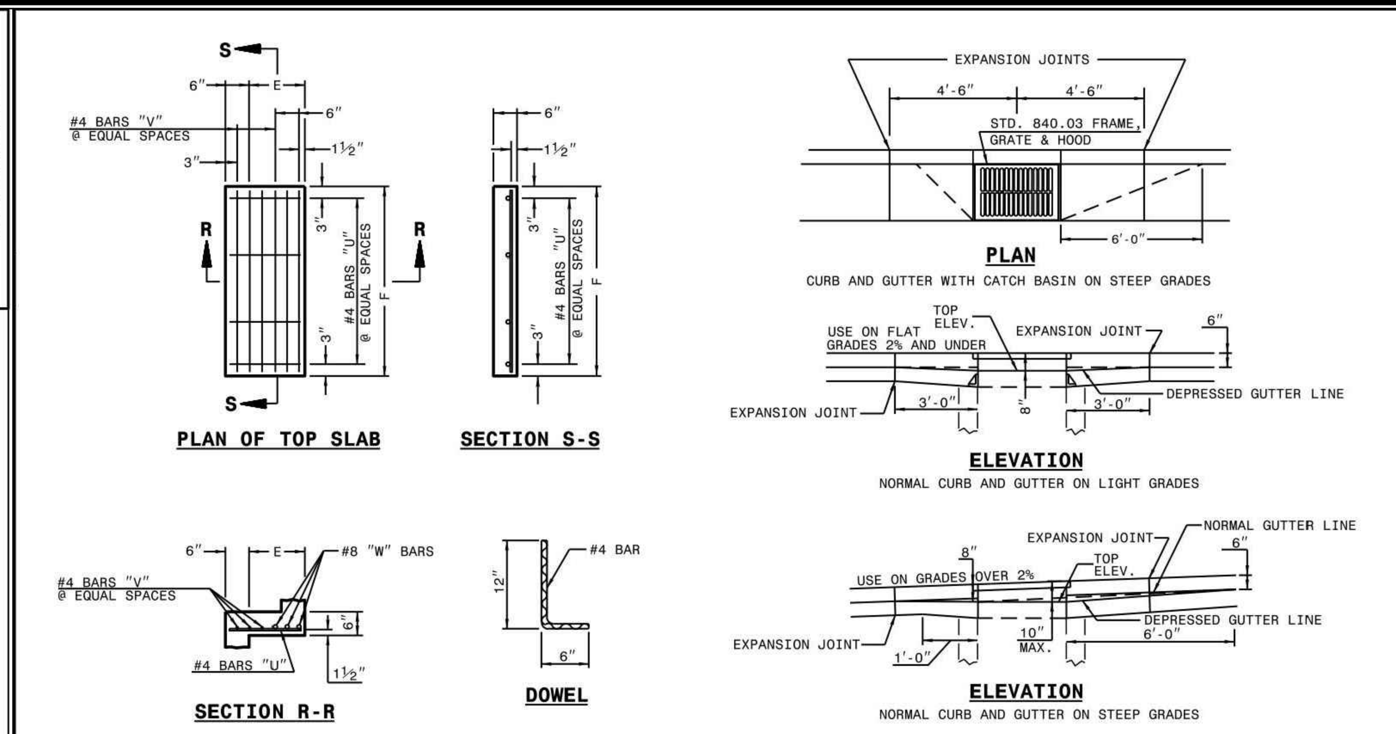
DRAWING NOT TO SCALE.



STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.
1-18

ROADWAY STANDARD DRAWING FOR
CONCRETE CATCH BASIN
12" THRU 54" PIPE

SHEET 1 OF 2
840.02



MINIMUM DIMENSIONS AND QUANTITIES FOR CONCRETE CATCH BASIN(BASED ON MIN. HEIGHT, H, WITH NO RISER) *

DIMENSIONS OF BOX AND PIPE						COVER DIMENSION									CU.YDS. CONC. IN BOX			DEDUCTIONS ONE PIPE	
PIPE	SPAN	WIDTH	WIDTH	SPAN	MIN. HEIGHT			BARS-U		BARS-V		BARS-W		TOTAL LBS.	TOP SLAB	BOTTOM SLAB	TOT. CONC. FOR MINIMUM HEIGHT, H		
D	A	B	C	G	H	E	F	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH					C.M.	R.C.
12"	3'-0"	2'-2"	--	--	2'-9"	--	--	--	--	--	--	--	--	--	--	0.235	0.772	0.015	0.026
15"	3'-0"	2'-2"			3'-0"											0.235	0.829	0.023	0.036
18"	3'-0"	2'-2"			3'-3"											0.235	0.887	0.033	0.049
24"	3'-0"	2'-2"			3'-9"											0.235	1.001	0.059	0.085
30"	3'-0"	2'-2"	3'-4"		4'-3"	1'-2"	4'-0"	4	1'-5"	2	3'-9"	3	3'-9"	39	0.123	0.321	1.433	0.092	0.127
36"	3'-0"	2'-2"	3'-10"		4'-9"	1'-8"	4'-0"	4	1'-11"	3	3'-9"	3	3'-9"	43	0.161	0.358	1.714	0.132	0.178
42"	3'-0"	2'-2"		4'-5"	5'-3"	1'-5"	3'-2"	4	1'-8"	2	2'-11"	3	2'-11"	32	0.112	0.318	1.738	0.180	0.243
48"	3'-0"	2'-2"		5'-0"	5'-9"	2'-0"	3'-2"	4	2'-3"	3	2'-11"	3	2'-11"	35	0.145	0.352	2.052	0.235	0.317
54"	3'-0"	2'-2"		5'-7"	6'-3"	2'-7"	3'-2"	4	2'-10"	5	2'-11"	3	2'-11"	41	0.180	0.386	2.387	0.297	0.401

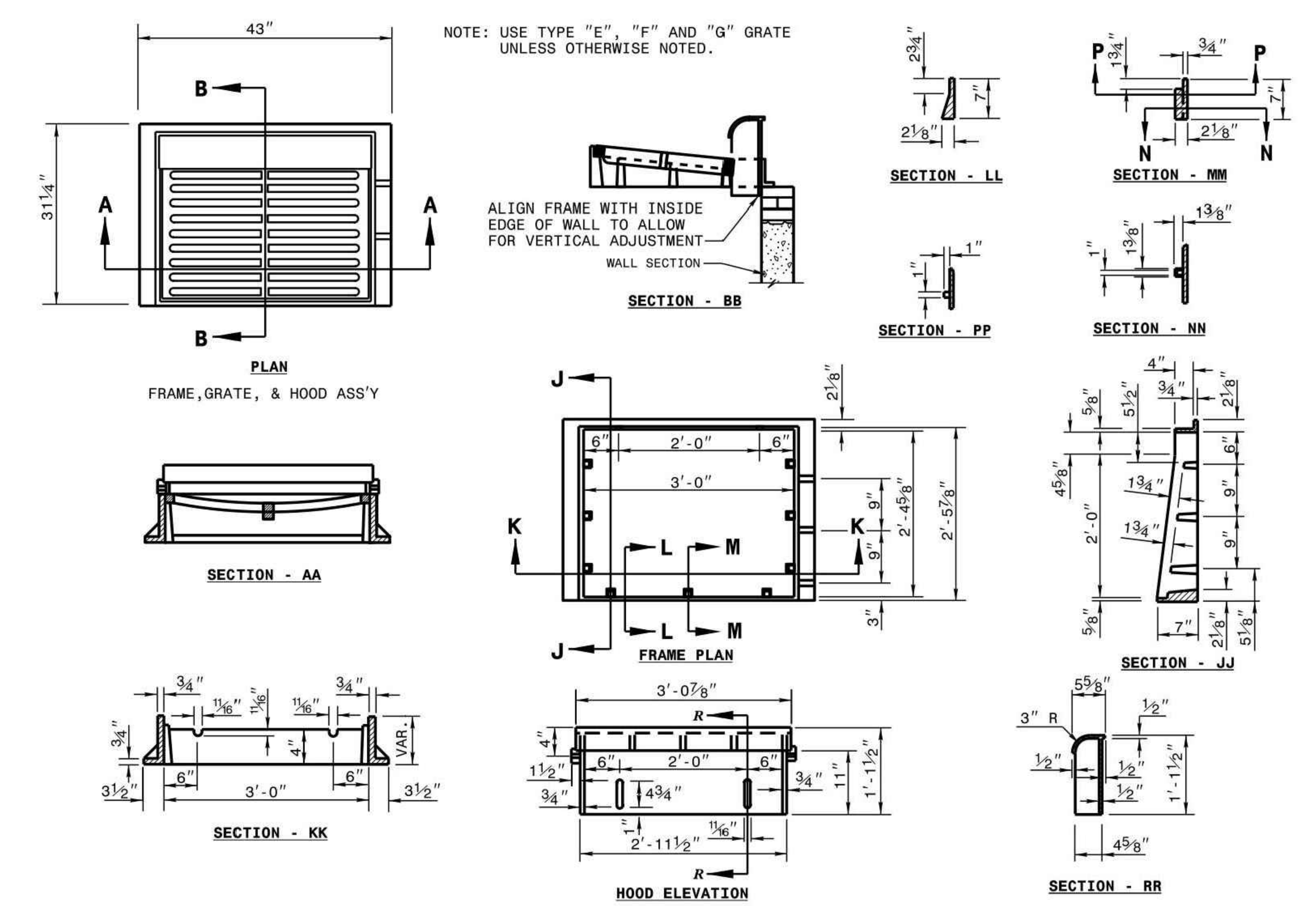
* RISER HAS .228 CUBIC YARDS OF CONCRETE PER FOOT HEIGHT

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.
1-18

ROADWAY STANDARD DRAWING FOR
CONCRETE CATCH BASIN
12" THRU 54" PIPE

SHEET 2 OF 2
840.02

NOTE: USE TYPE "E", "F" AND "G" GRATE UNLESS OTHERWISE NOTED.

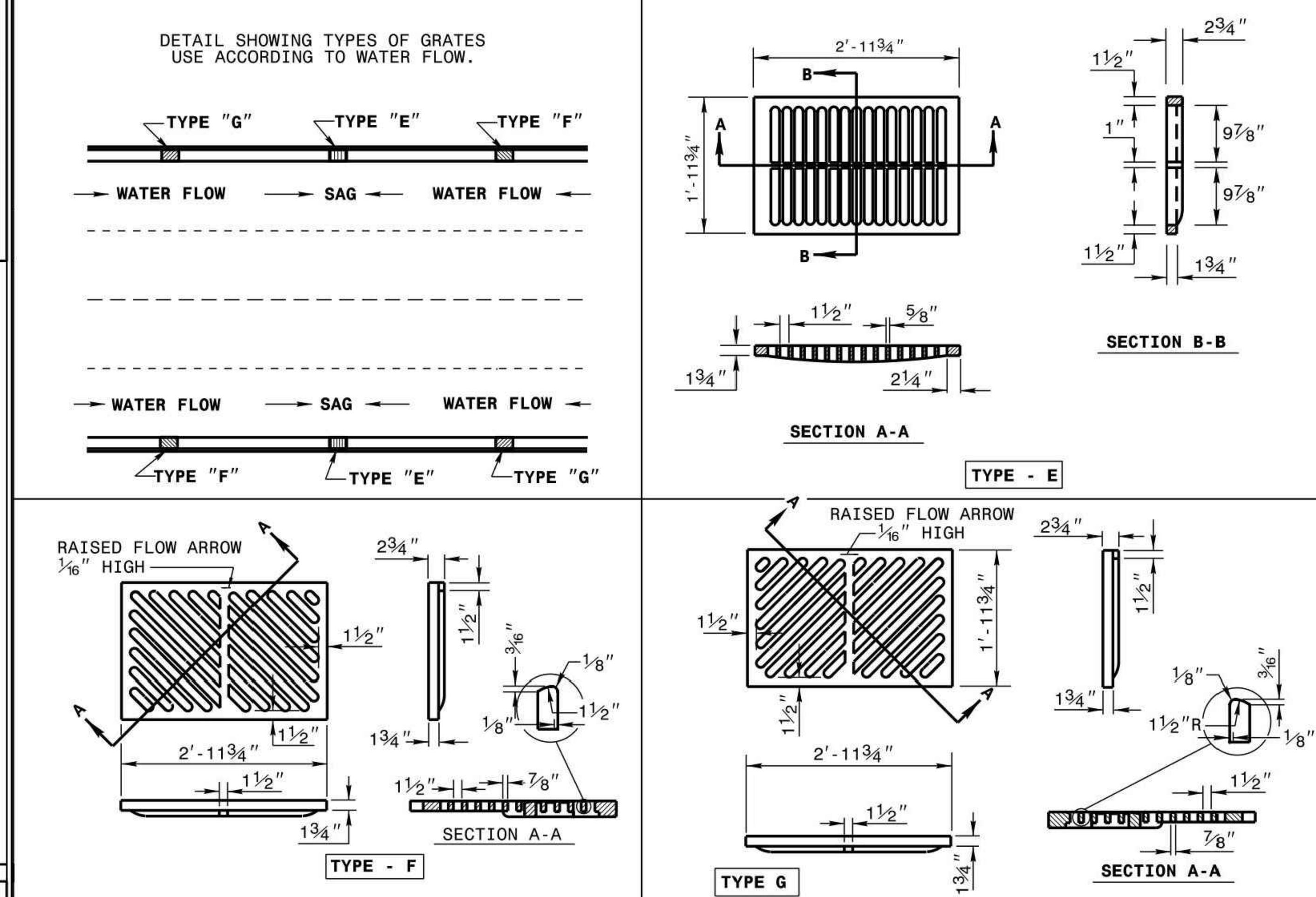


STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.
1-18

ROADWAY STANDARD DRAWING FOR
FRAME, GRATES, AND HOOD
FOR USE ON STANDARD CATCH BASIN

SHEET 1 OF 2
840.03

DETAIL SHOWING TYPES OF GRATES USE ACCORDING TO WATER FLOW.



STATE OF NORTH CAROLINA
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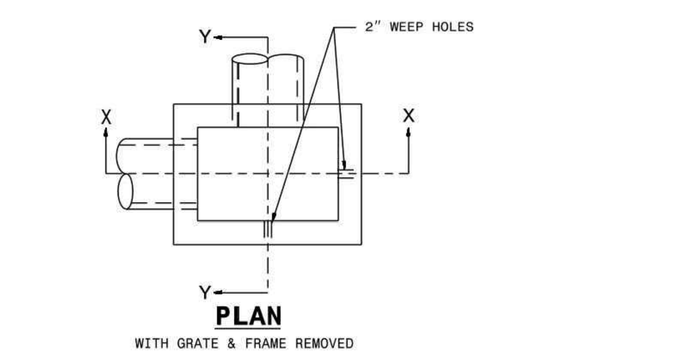
RALEIGH, N.C.
1-18

ROADWAY STANDARD DRAWING FOR
FRAME, GRATES, AND HOOD
FOR USE ON STANDARD CATCH BASIN

SHEET 2 OF 2
840.03



GENERAL NOTES:

USE CLASS "B" CONCRETE THROUGHOUT.

PROVIDE ALL DROP INLETS OVER 3'-6" IN DEPTH WITH STEPS 12" ON CENTER. USE STEPS WHICH COMPLY WITH STD. DRAWING 840.66.

OPTIONAL CONSTRUCTION - MONOLITHIC POUR 2" KEYWAY OR #4 BAR DOWELS AT 12" CENTERS AS DIRECTED BY THE ENGINEER.

USE FORMS FOR THE CONSTRUCTION OF THE BOTTOM SLAB.

IF REINFORCED CONCRETE PIPE IS SET IN BOTTOM SLAB OF BOX, ADD TO SLAB AS SHOWN ON STD. NO. 840.00.

CONSTRUCT WITH PIPE CROWNS MATCHING.

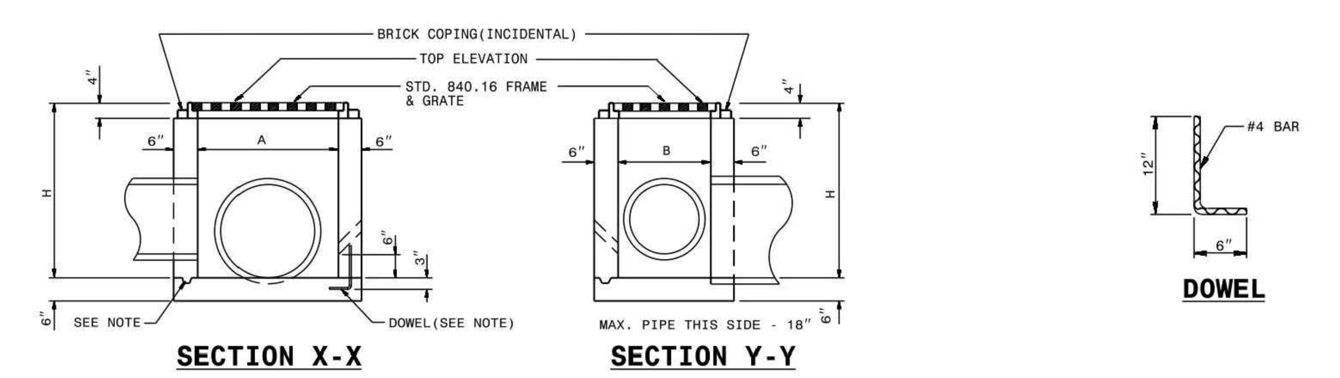
SEE STANDARD DRAWING 840.25 FOR ATTACHMENT OF FRAMES AND GRATES NOT SHOWN.

INSTALL 2" WEEPHOLES AS DIRECTED BY THE ENGINEER.

INSTALL STONE DRAINS, OF A MINIMUM OF 1 CUBIC FOOT OF NO. 78M STONE IN A POROUS FABRIC BAG OR WRAP, AT EACH WEEP HOLE OR AS DIRECTED BY THE ENGINEER.

CHAMFER ALL EXPOSED CORNERS 1".

DRAWING NOT TO SCALE.



DIMENSIONS AND QUANTITIES FOR DROP INLET(BASED ON MIN. HEIGHT, H)								
DIMENSIONS OF BOX & PIPE				CUBIC YARDS CONC. IN BOX			DEDUCTIONS FOR ONE PIPE	
PIPE	SPAN	WIDTH	MIN. HEIGHT					
D	A	B	H	BOTTOM SLAB	WALL PER FT. HT.	TOTAL CONCRETE FOR MINIMUM HEIGHT, H	C.M.	R.C.
12"	3'-0"	2'-0"	2'-0"	0.222	0.222	0.592	0.015	0.026
15"			2'-3"			0.648	0.023	0.036
18"			2'-6"			0.703	0.033	0.049
24"			3'-0"			0.814	0.059	0.085
30"	3'-0"	2'-0"	3'-6"	0.222	0.222	0.925	0.092	0.127

STATE OF NORTH CAROLINA
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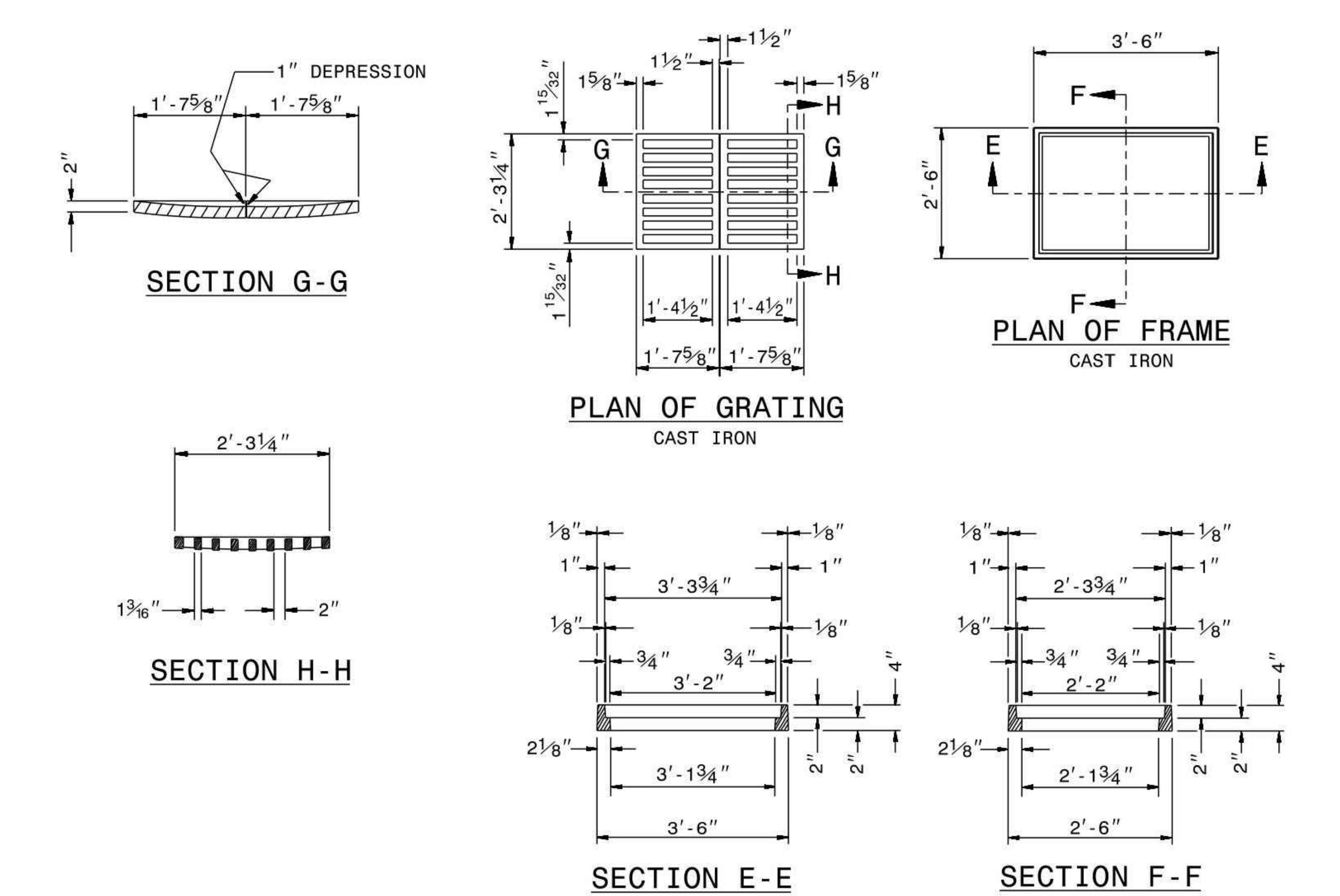
DIVISION OF HIGHWAYS
RALEIGH, N.C.
1-18

ROADWAY STANDARD DRAWING FOR
CONCRETE DROP INLET
12" THRU 30" PIPE

SHEET 1 OF 1
840.14



STATE OF NORTH CAROLINA
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DIVISION OF HIGHWAYS
RALEIGH, N.C.
1-18

ROADWAY STANDARD DRAWING FOR
DROP INLET FRAME AND GRATES
FOR USE WITH STD. DWG.S 840.14 AND 840.15

SHEET 1 OF 1
840.16

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

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PSP-23-04

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PRELIMINARY NOT FOR CONSTRUCTION

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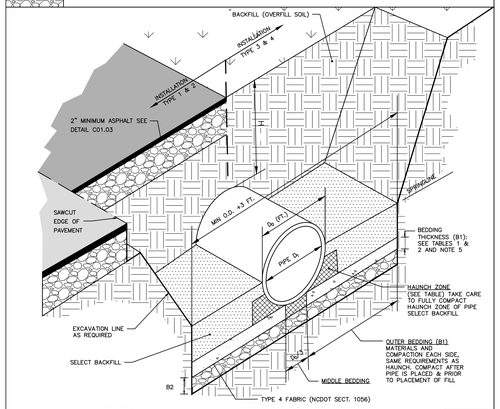
SHEET

STORM DRAINAGE DETAILS

C8.02

M:\Projects\AGN\AGN23001\04-Production\Engineering\Preliminary Subdivision Plat\Current Drawings\AGN23001-D1.dwg, 3/26/2024 3:48:46 PM, Sherrill Williams

H=	THE FILL HEIGHT MEASURED VERTICALLY AT ANY POINT ALONG THE PIPE FROM THE TOP OF THE EMBANKMENT AT THE POINT. DO NOT OPERATE HEAVY EQUIPMENT OVER ANY PIPE CULVERT UNTIL THE PIPE HAS BEEN PROPERLY BACKFILLED AND COVERED WITH AT LEAST 3 FEET OF APPROVED MATERIAL.
	UNDISTURBED EARTH MATERIAL
	BEDDING (MIDDLE AND OUTER): LOOSELY PLACED SELECT BACKFILL MATERIAL MEETING NCDOT CLASS II, TYPE 1 (WASHED OR UNWASHED CRUSHED STONE SCREENINGS) OR CLASS III, TYPE 1 (NCDOT 25 OR 2MS FINE AGGREGATE). LEAVE SECTION DIRECTLY BENEATH PIPE UNCOMPACTED AS PIPE SEATING AND BACKFILL WILL ACCOMPLISH COMPACTION.
	SELECT BACKFILL (BELOW SPRINGLINE): SELECT BACKFILL MATERIAL MEETING NCDOT CLASS II, TYPES 1 OR 2 OR NCDOT CLASS III, TYPES 1 OR 2
	BACKFILL: APPROVED SUITABLE LOCAL COMPACTABLE MATERIAL ABOVE SPRINGLINE OF PIPE MEETING LOCAL MUNICIPAL SPECIFICATIONS.
	ROCK FOUNDATION OR UNSUITABLE MATERIAL FOUNDATION: SELECT MATERIAL NCDOT CLASS V (#78M STONE) OR NCDOT CLASS VI (#57 STONE) FOR FOUNDATION CONDITIONING. ENCAPSULATE WITH ENGINEERING FABRIC AS DIRECTED BY THE ENGINEER: TYPE 4 SOIL STABILIZATION FABRIC (NCDOT TABLE 1056-1). OVERLAP ALL TRANSVERSE AND LONGITUDINAL JOINTS IN FABRIC AT LEAST 18 INCHES. MAINTAIN THE PIPE FOUNDATION IN A DRY CONDITION.



STORM DRAIN PIPE INSTALLATION

N.T.S.

TABLE 1
EQUIVALENT USCS[a] AND AASHTO SOIL CLASSIFICATION FOR SIDD[b] SOIL DESIGNATIONS

SIDD	USCS	NCDOT/AASHTO
GRAVELLY SAND (CATEGORY I)	SW, SP, GW, GP	–NCDOT CLASS II–TYPE I (CRUSHED STONE SCREENINGS), LL<30; PI≤6 –NCDOT CLASS III, TYPE I (2S OR 2MS), LL<30; PI≤6
SANDY SILT (CATEGORY II)	GM, SM, ALSO GC, SC WITH LESS THAN 20% PASSING #200 SIEVE	–NCDOT CLASS II TYPE I (CRUSHED STONE SCREENINGS) AND CLASS II, TYPE 2 (AASHTO M145 FOR A–2–4 WITH MAX PI OF 6, A–4 W/ MAX 45% PASSING #200 SIEVE AND A MAX PI OF 6) –NCDOT CLASS III, TYPE 1 (2S OR 2MS) OR CLASS III, TYPE 2 (AASHTO M145 FOR SOIL CLASSIFICATION A–1 OR A–3)
SILTY CLAY (CATEGORY III)	CL, MH, GC, SC	A5, A6

[a] UNIFOLD SOIL CLASSIFICATION SYSTEM
[b] STANDARD INSTALLATIONS DIRECT DESIGN

TABLE 2
STANDARD INSTALLATIONS SOILS AND MINIMUM COMPACTION REQUIREMENTS

INSTALLATION TYPE	BEDDING THICKNESS	OUTER BEDDING (B1) NOTE 5 (% COMPACTION/CATEGORY)	HAUNCH ZONE & SELECT BACKFILL AREA (% COMPACTION/CATEGORY)	LOCATION
TYPE 1	B1 = D/6 (6" MIN) B2=IF ROCK FOUNDATION OR OVER UNSUITABLE FOUNDATION, 2" /FT OF "H", 12" MIN/24" MAX	95% CATEGORY 1	90% CATEGORY 1 95% CATEGORY II	PAVED AREAS WITH 2' OR LESS BURY
TYPE 2	B1 = D/6 (6" MIN) B2=IF ROCK FOUNDATION OR OVER UNSUITABLE FOUNDATION, 2" /FT OF "H", 12" MIN/24" MAX	90% CATEGORY 1	85% CATEGORY 1 90% CATEGORY II	PAVED AREAS WITH GREATER THAN 2' OF BURY
TYPE 3	B1 = D/6 (6" MIN) B2=IF ROCK FOUNDATION OR OVER UNSUITABLE FOUNDATION, 2" /FT OF "H", 12" MIN/24" MAX	85% CATEGORY 1 90% CATEGORY II	85% CATEGORY 1 90% CATEGORY II OR 95% CATEGORY III	IN R/W OUTSIDE OF PAVEMENT
TYPE 4	B1 = D/6 (6" MIN) B2=IF ROCK FOUNDATION OR OVER UNSUITABLE FOUNDATION, 2" /FT OF "H", 12" MIN/24" MAX	NO COMPACTION REQUIRED, EXCEPT IF CATEGORY III, USE 85% CATEGORY III	NO COMPACTION REQUIRED, EXCEPT IF CATEGORY III, USE 85% CATEGORY III	NATURAL AREAS

NOTES:

1. COMPACTION AND SOIL SYMBOLS – I.E. "95% CATEGORY I" – REFERS TO CATEGORY I SOIL MATERIAL WITH MINIMUM STANDARD PROCTOR COMPACTION OF 95%.
2. SOIL IN THE OUTER BEDDING, HAUNCH, AND LOWER SIDE ZONES, EXCEPT UNDER THE MIDDLE $\frac{1}{3}$ OF THE PIPE, SHALL BE COMPACTED TO AT LEAST THE SAME COMPACTION AS THE MAJORITY OF THE SOIL IN THE OVERFILL (BACKFILL) ZONE.
3. FOR TRENCHES. THE TOP ELEVATION SHALL BE NO LOWER THAN 0.1H BELOW FINISHED GRADE OR, FOR ROADWAYS, ITS TOP SHALL BE NO LOWER THAN AN ELEVATION OF 1–FOOT BELOW THE BOTTOM OF THE PAVEMENT BASE MATERIAL.
4. FOR TRENCHES, THE WIDTH SHALL BE WIDER THAN SHOWN IF REQUIRED FOR ADEQUATE SPACE TO ATTAIN THE SPECIFIED COMPACTION IN THE HAUNCH AND BEDDING ZONES.
5. COMPACT OUTER BEDDING AFTER PIPE IS PLACED AND PRIOR TO PLACEMENT OF SELECT FILL. MIDDLE BEDDING IS UNCOMPACTED.
6. OVERFILL (BACKFILL) SOILS TO BE PLACED PER STANDARD SPECIFICATION 02700 STORM DRAINAGE FOR THE APPLICABLE BACKFILL TYPE AND BURY LIMITATIONS.
7. THESE TWO TABLES WERE MODIFIED TO GENERALLY CONFORM TO THE NCDOT STANDARDS AS SHOWN IN DETAIL 300.01 RIGID PIPE IN TRENCH CONDITION.

REFERENCE SOURCES:

1. AMERICAN CONCRETE PIPE ASSOCIATION DESIGN STANDARDS
2. 2012 NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES AND NCDOT STANDARD DETAILS 300.01 FOR RIGID PIPE, TRENCH CONDITIONS."

STORM DRAIN PIPE INSTALLATION

FILL HEIGHT TABLE[a]

INSIDE PIPE DIAMETER Di (INCHES)	TYPE 3 (BEDDING) INSTALLATION (0.01 INCH CRACK) CLASS III PIPE MAXIMUM BURY H (FEET)	CLASS IV PIPE MAXIMUM BURY H (FEET)	TYPE 4 (BEDDING) INSTALLATION (0.01 INCH CRACK) CLASS III PIPE MAXIMUM BURY H (FEET)	CLASS IV PIPE MAXIMUM BURY H (FEET)
15	2 MIN, 12 MAX	1 MIN, 20 MAX	3 MIN, 7 MAX	2 MIN, 12 MAX
18	2 MIN, 12 MAX	1 MIN, 20 MAX	3 MIN, 7 MAX	1 MIN, 13 MAX
24	1 MIN, 12 MAX	1 MIN, 20 MAX	2 MIN, 8 MAX	1 MIN, 13 MAX
30	1 MIN, 12 MAX	1 MIN, 20 MAX	1 MIN, 8 MAX	1 MIN, 13 MAX
36	1 MIN, 12 MAX	1 MIN, 20 MAX	1 MIN, 8 MAX	1 MIN, 13 MAX
42	1 MIN, 12 MAX	1 MIN, 20 MAX	1 MIN, 8 MAX	1 MIN, 13 MAX
48	1 MIN, 12 MAX	1 MIN, 19 MAX	1 MIN, 8 MAX	1 MIN, 13 MAX
54	1 MIN, 12 MAX	1 MIN, 19 MAX	1 MIN, 8 MAX	1 MIN, 13 MAX
60	1 MIN, 12 MAX	1 MIN, 19 MAX	1 MIN, 8 MAX	1 MIN, 13 MAX
72	1 MIN, 11 MAX	1 MIN, 19 MAX	1 MIN, 7 MAX	1 MIN, 13 MAX

FILL HEIGHT TABLE BASE ON:

1. Ys = 120 PCF (BACKFILL LOAD)
2. AASHTO HL–93 LIVE LOAD
3. POSITIVE PROJECTING EMBANKMENT CONDITION (THIS GIVES CONSERVATIVE RESULTS IN COMPARISON TO TRENCH CONDITIONS)
4. PIPE = REINFORCED CONCRETE PIPE MEETING ASTM C76 (AASHTO M170), WALL C THICKNESS
5. CONCRETE PIPE SHOULD BE INSTALLED IN ACCORDANCE WITH AASHTO LRFD BRIDGE CONSTRUCTION SPECIFICATIONS SECTION 27 OR ASTM C1479.

[a] FILL HEIGHT TABLES, THE PORTION EXCERPTED HERE. WAS DEVELOPED BY THE AMERICAN CONCRETE PIPE ASSOCIATION (ACPA) USING THE INDIRECT DESIGN METHOD IN ACCORDANCE WITH SECTION 12.10.4.3 OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATION, 4TH, 2007 WITH 2008 INTERIM.

NOTES:

1. GREATER BURY DEPTHS THAN THOSE SHOWN ABOVE ARE ACHIEVABLE BY EITHER USING TYPE 1 OR 2 INSTALLATION, USING CLASS V PIPE, CONTROLLING BACKFILL TYPE, CALCULATING DEPTH USING A TRENCH CONDITION, OR BY SPECIAL DESIGN. SEE ALSO DESIGN DATA 9 PUBLISHED BY THE ACPA FOR DESIGN METHODOLOGY.
2. IN LIEU OF CALCULATING BURY DEPTH FOR OTHER CONDITIONS, FIRST SEE "LRFD FILL HEIGHT TABLES FOR CONCRETE PIPE", LAST REVISED JULY 2009 OR LATER), PREPARED BY THE ACPA FOR OTHER BURY DEPTH POSSIBILITIES

STORM DRAIN PIPE INSTALLATION

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PSP-23-04

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

REVISIONS

NO.	DATE	
1	04. 01. 2024	REVISED PER TOWN COMMENTS

PLAN INFORMATION

PROJECT NO.	AGN23001
FILENAME	AGN23001-D1
CHECKED BY	.
DRAWN BY	.
SCALE	N.T.S.
DATE	12. 01. 2023

SHEET

STORM DRAINAGE DETAILS

C8.03

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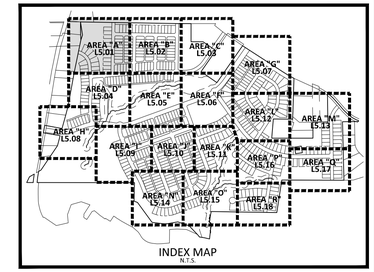

INDEX MAP
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KEY LEGEND

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PLANT SCHEDULE AREA A

SYMBOL	CODE	COMMON NAME
CANOPY TREES		
	ARA	Autumn Blaze Red Maple
	GBA	Maidenhair Tree
	ZSM	Myrimar Zelkova
	QNN	Nuttall Oak
	CBS	Southern Catalpa
	LTT	Tulip Tree
	QAW	White Oak
	QPW	Willow Oak
EVERGREEN TREES		
	MGD	Southern Magnolia

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

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WAKE COUNTY, NORTH CAROLINA

PSP-23-04

NORTH CAROLINA PROFESSIONAL LANDSCAPE ARCHITECT SARA RUNGE DONOHOE 2027
PRELIMINARY NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	04. 01. 2024	REVISED PER TOWN COMMENTS

PLAN INFORMATION

PROJECT NO.	AGN23001
FILENAME	AGN23001-L5.1
CHECKED BY	SRD
DRAWN BY	AAL
SCALE	1"=40'
DATE	12. 01. 2023

SHEET

CODE COMPLIANT LANDSCAPE PLAN AREA "A"

L5.01

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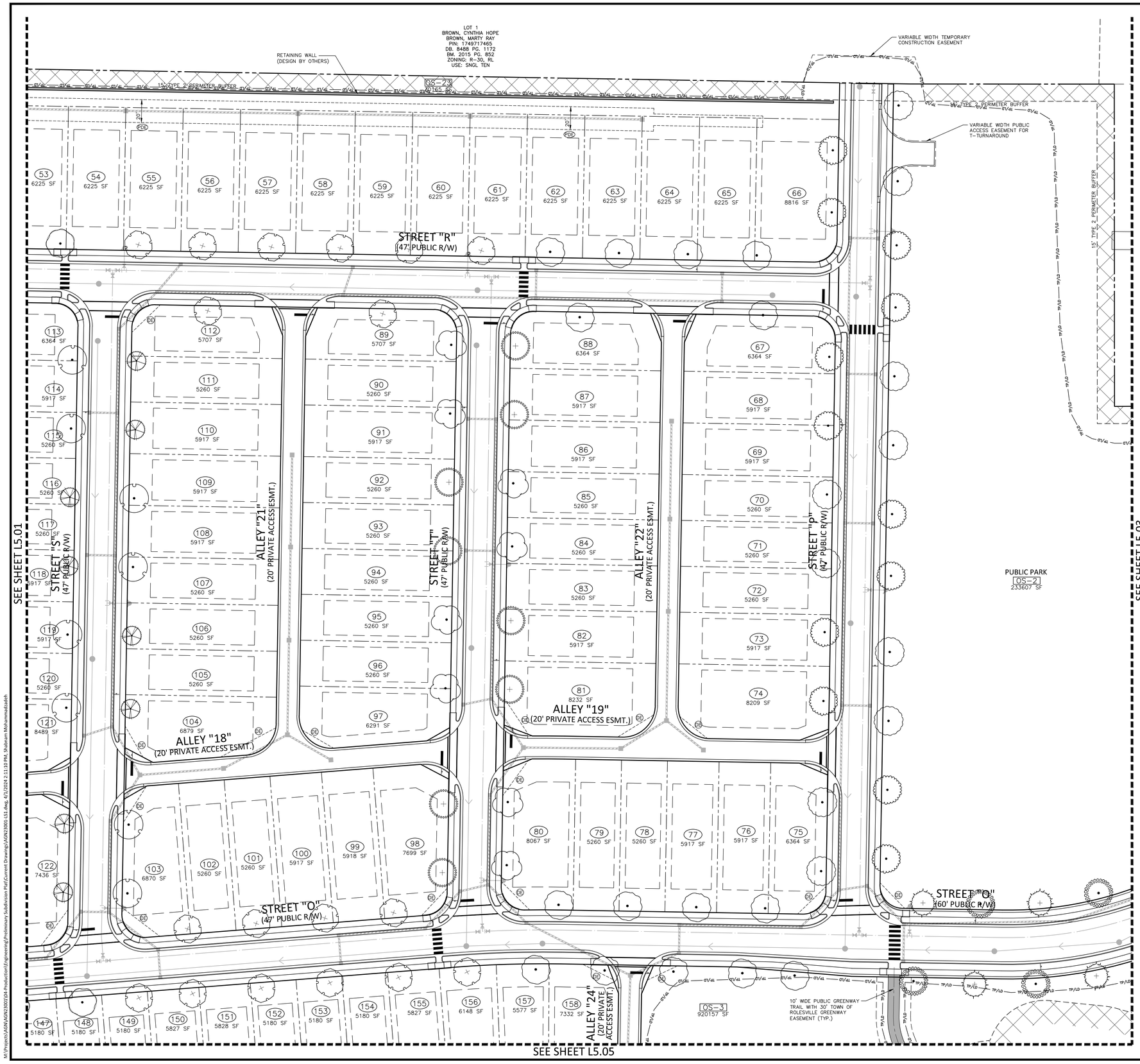

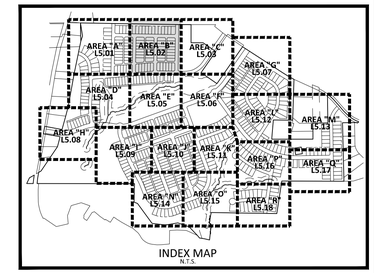

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PLANT SCHEDULE AREA B

SYMBOL	CODE	COMMON NAME
CANOPY TREES		
	ARA	Autumn Blaze Red Maple
	TDB	Bald Cypress
	QMB	Blackjack Oak
	ZSM	Myrimar Zelkova
	QNN	Nuttall Oak
	QLO	Overcup Oak
	QPP	Pin Oak
	NSS	Sour Gum
	QVS	Southern Live Oak
	QAW	White Oak
EVERGREEN TREES		
	MGD	Southern Magnolia

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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

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PLAN INFORMATION

PROJECT NO.	AGN23001
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DATE	12. 01. 2023

SHEET

CODE COMPLIANT LANDSCAPE PLAN AREA "B"

L5.02

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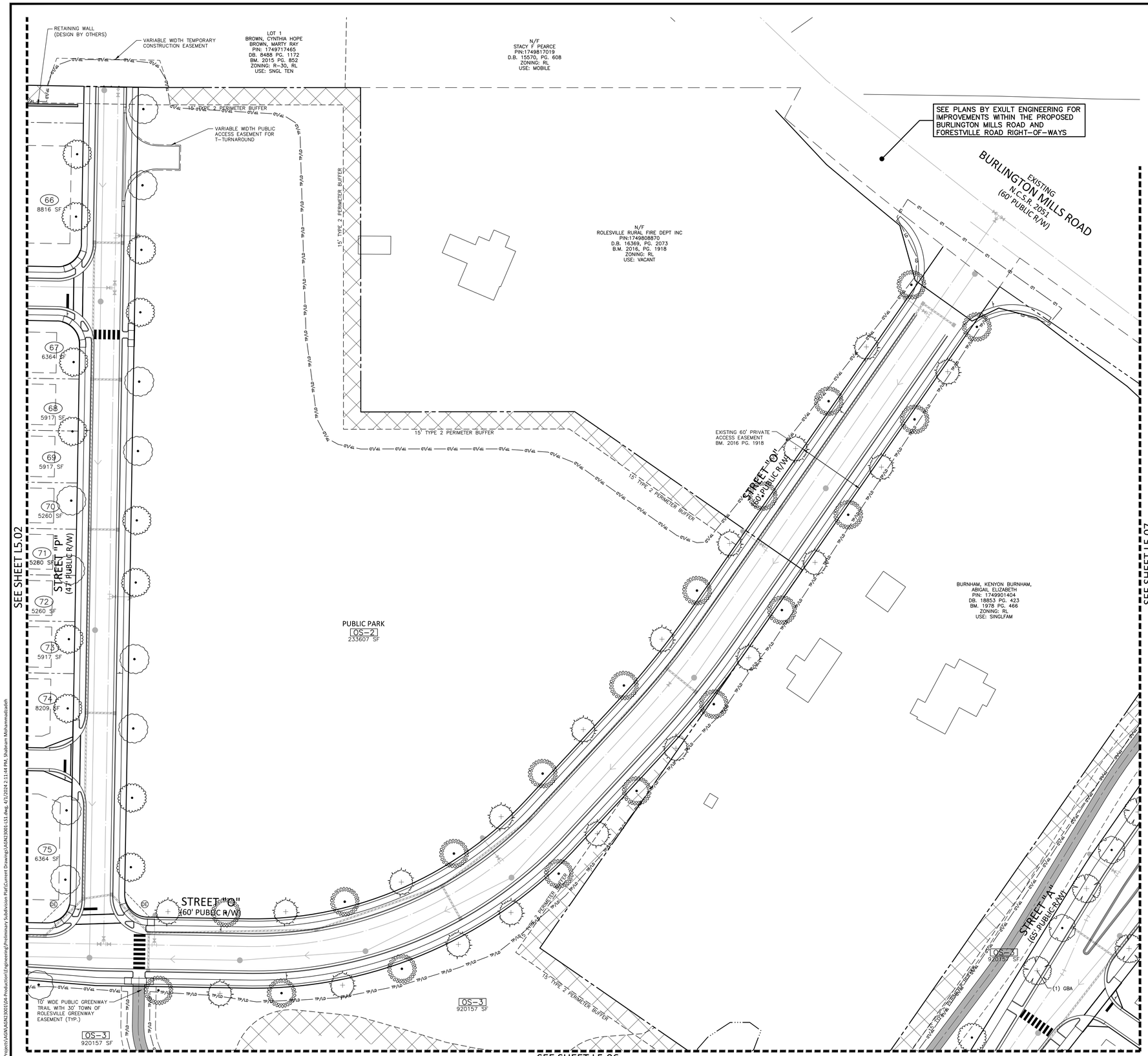

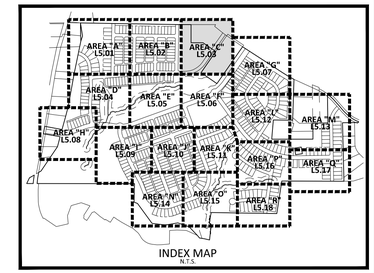

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PLANT SCHEDULE AREA C

SYMBOL	CODE	COMMON NAME
CANOPY TREES		
	TDB	Bald Cypress
	GBA	Maidenhair Tree
	ZSM	Myrimar Zelkova
	QLO	Overcup Oak
	QPP	Pin Oak
	NSS	Sour Gum
	ARS	Summer Red Red Maple

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

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DATE	12. 01. 2023

SHEET

CODE COMPLIANT LANDSCAPE PLAN AREA "C"

L5.03

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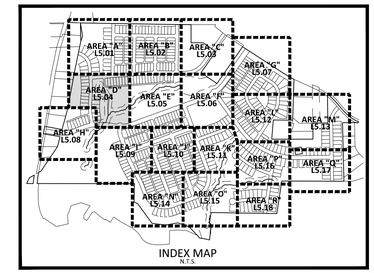

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PLANT SCHEDULE AREA D

SYMBOL	CODE	COMMON NAME
CANOPY TREES		
	UAP	American Elm
	ASL	Legacy Sugar Maple
	GBA	Maidenhair Tree
	ZSM	Myrimar Zelkova
	QNN	Nuttall Oak
	CIP	Pecan
	NSS	Sour Gum
	CBS	Southern Catalpa
	LTT	Tulip Tree
	QAW	White Oak
	QPW	Willow Oak

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

GRAPHIC SCALE
0 20 40 80
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PSP-23-04

NORTH CAROLINA
REGISTERED LANDSCAPE ARCHITECT
2027
SARA RUNGE DONOHOE
PRELIMINARY
NOT FOR CONSTRUCTION

REVISIONS

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DATE	12. 01. 2023

SHEET

CODE COMPLIANT LANDSCAPE PLAN AREA "D"

L5.04

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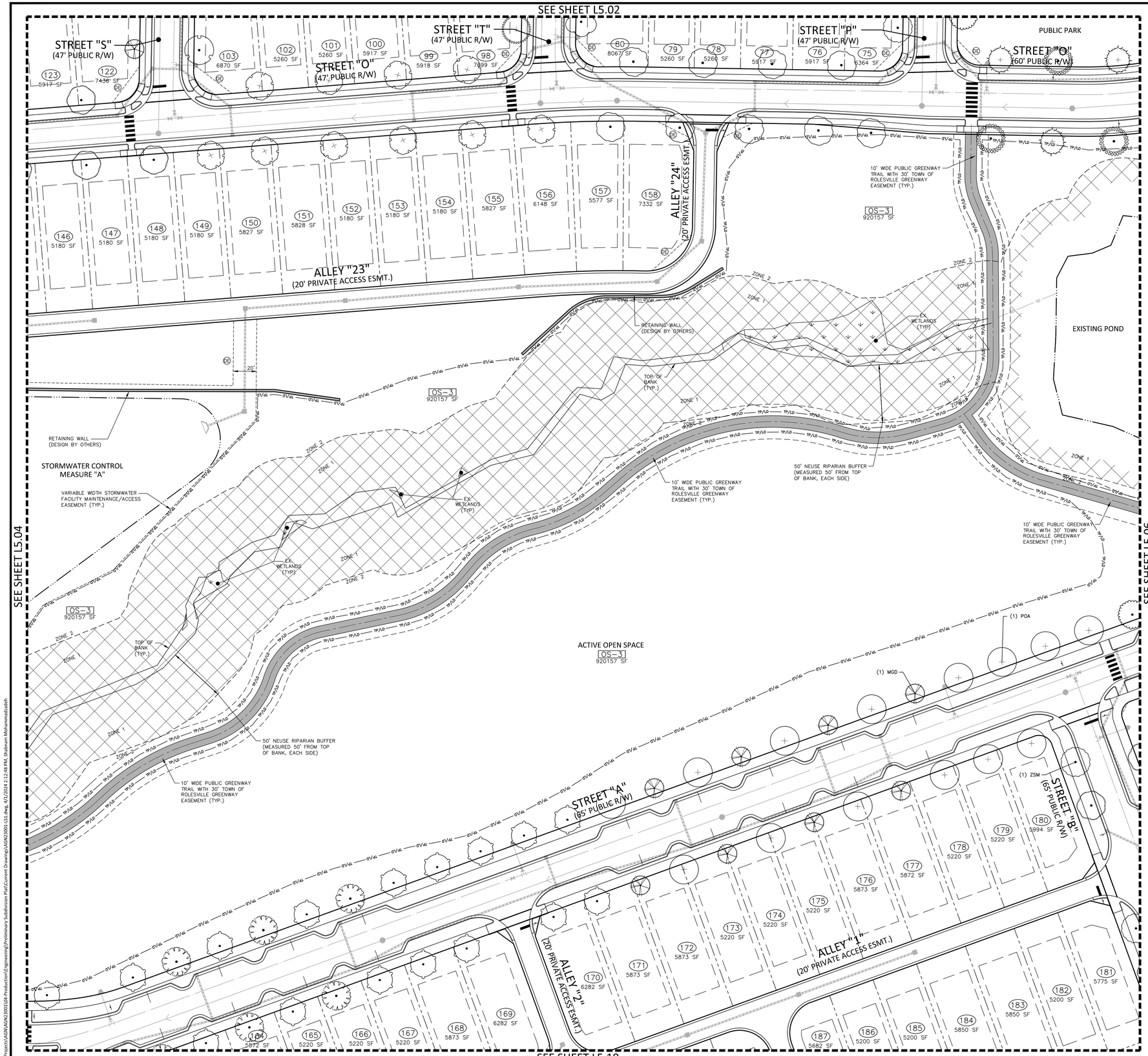

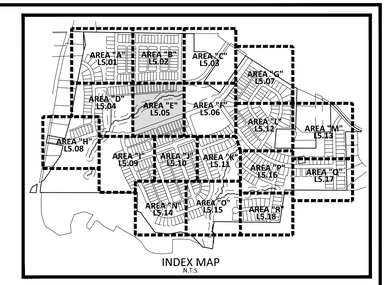

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PLANT SCHEDULE AREA E

SYMBOL	CODE	COMMON NAME
CANOPY TREES		
	POA	American Sycamore
	ARA	Autumn Blaze Red Maple
	TDB	Bald Cypress
	QMB	Blackjack Oak
	ASL	Legacy Sugar Maple
	ZSM	Myrimar Zelkova
	QNN	Nuttall Oak
	QLO	Overcup Oak
	CIP	Pecan
	QPP	Pin Oak
	NSS	Sour Gum
	QVS	Southern Live Oak
	QAW	White Oak
EVERGREEN TREES		
	MGD	Southern Magnolia

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0 20 40 80
1 inch = 40 ft.

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

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ALLIANCE GROUP OF NC, LLC
7208 FALLS OF NEUSE RD, SUITE 101
RALEIGH, NORTH CAROLINA 27615
CONTACT: JACOB ANDERSON
PHONE: 919. 239. 9486

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BURLINGTON MILLS ROAD
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP, WAKE COUNTY, NORTH CAROLINA

PSP-23-04

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 2027 SARA RUNGE DONOHOE
PRELIMINARY NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	04. 01. 2024	REVISED PER TOWN COMMENTS

PLAN INFORMATION

PROJECT NO.	AGN23001
FILENAME	AGN23001-LS1
CHECKED BY	SRD
DRAWN BY	AAL
SCALE	1"=40'
DATE	12. 01. 2023

SHEET

CODE COMPLIANT LANDSCAPE PLAN AREA "E"

L5.05

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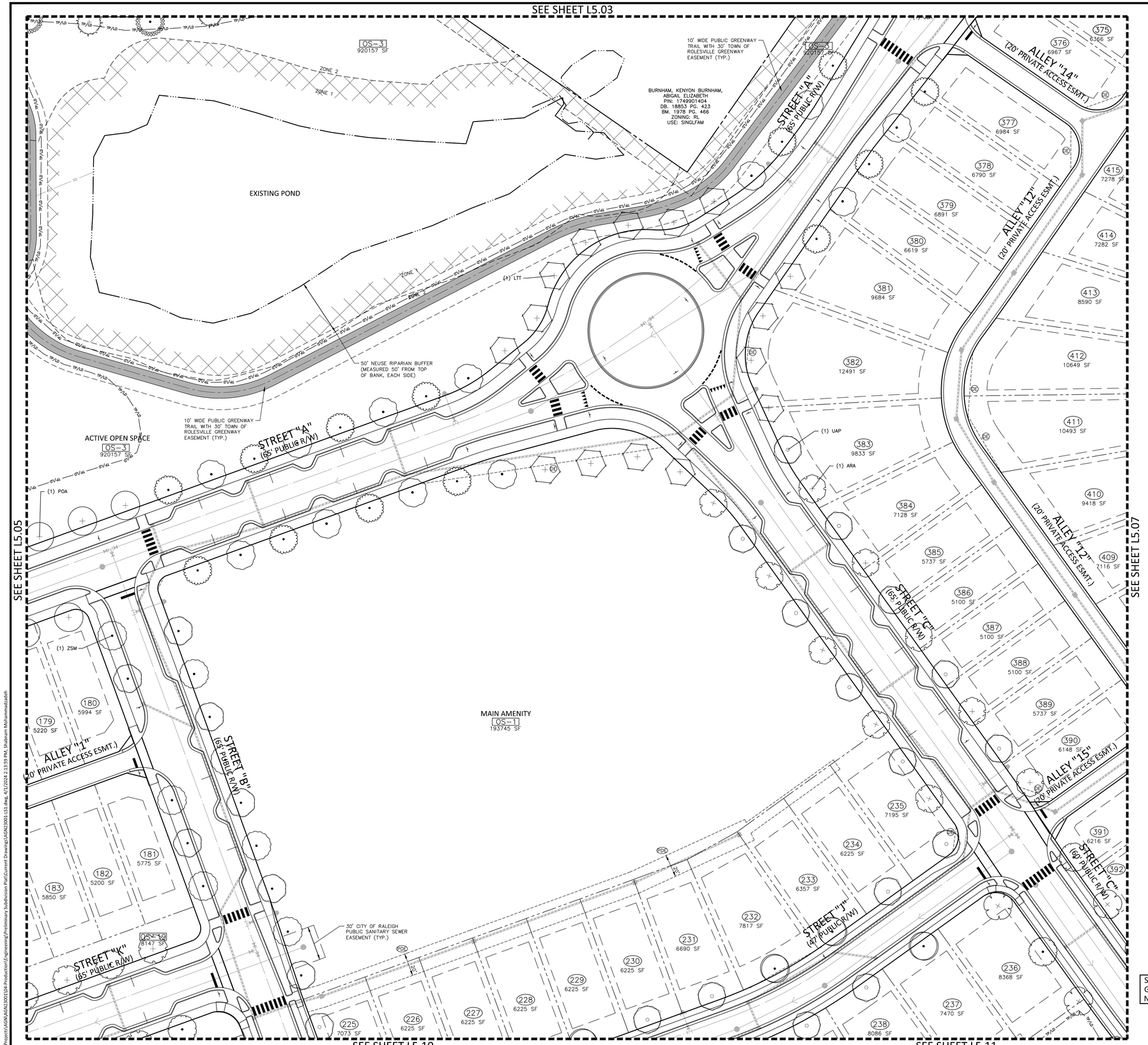

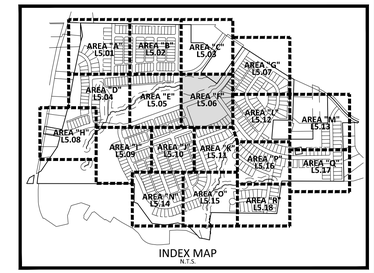

SITE LEGEND

- SIGNAGE
- SITE LIGHTING
- LIGHT POLE
- TRAFFIC DIRECTIONAL ARROW
- ACC — ACCESSIBLE PARKING STALL
- VAN — VAN ACCESSIBLE PARKING STALL
- XX — PARKING SPACE COUNT
- ACCESSIBLE RAMPS
- PHASE LINE
- PROPERTY LINE
- RIGHT-OF-WAY LINE
- LOT LINE
- EASEMENT LINE
- CENTERLINE

KEY LEGEND

- ACCESSIBLE RAMP (TYPE R-28 OR N-4 UNLESS OTHERWISE NOTED)
- PDE — PRIVATE STORM DRAINAGE EASEMENT
- PDE — PUBLIC STORM DRAINAGE EASEMENT

PLANT SCHEDULE AREA F

SYMBOL	CODE	COMMON NAME
CANOPY TREES		
	FGA	American Beech
	UAP	American Elm
	POA	American Sycamore
	ARA	Autumn Blaze Red Maple
	TDB	Bald Cypress
	UPB	Bosque Elm
	CBE	European Hornbeam
	ZSM	Myrimar Zelkova
	QNN	Nuttall Oak
	QLO	Overcup Oak
	QPP	Pin Oak
	ARR	Red Sunset Maple
	NSS	Sour Gum
	LTT	Tulip Tree
	QPW	Willow Oak

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

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PSP-23-04

NORTH CAROLINA PROFESSIONAL LANDSCAPE ARCHITECT SARA RUNGE DONOGHUE 2027
FOR PRELIMINARY NOT FOR CONSTRUCTION

REVISIONS

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PLAN INFORMATION

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DATE	12. 01. 2023

SHEET

CODE COMPLIANT LANDSCAPE PLAN AREA "F"

L5.06

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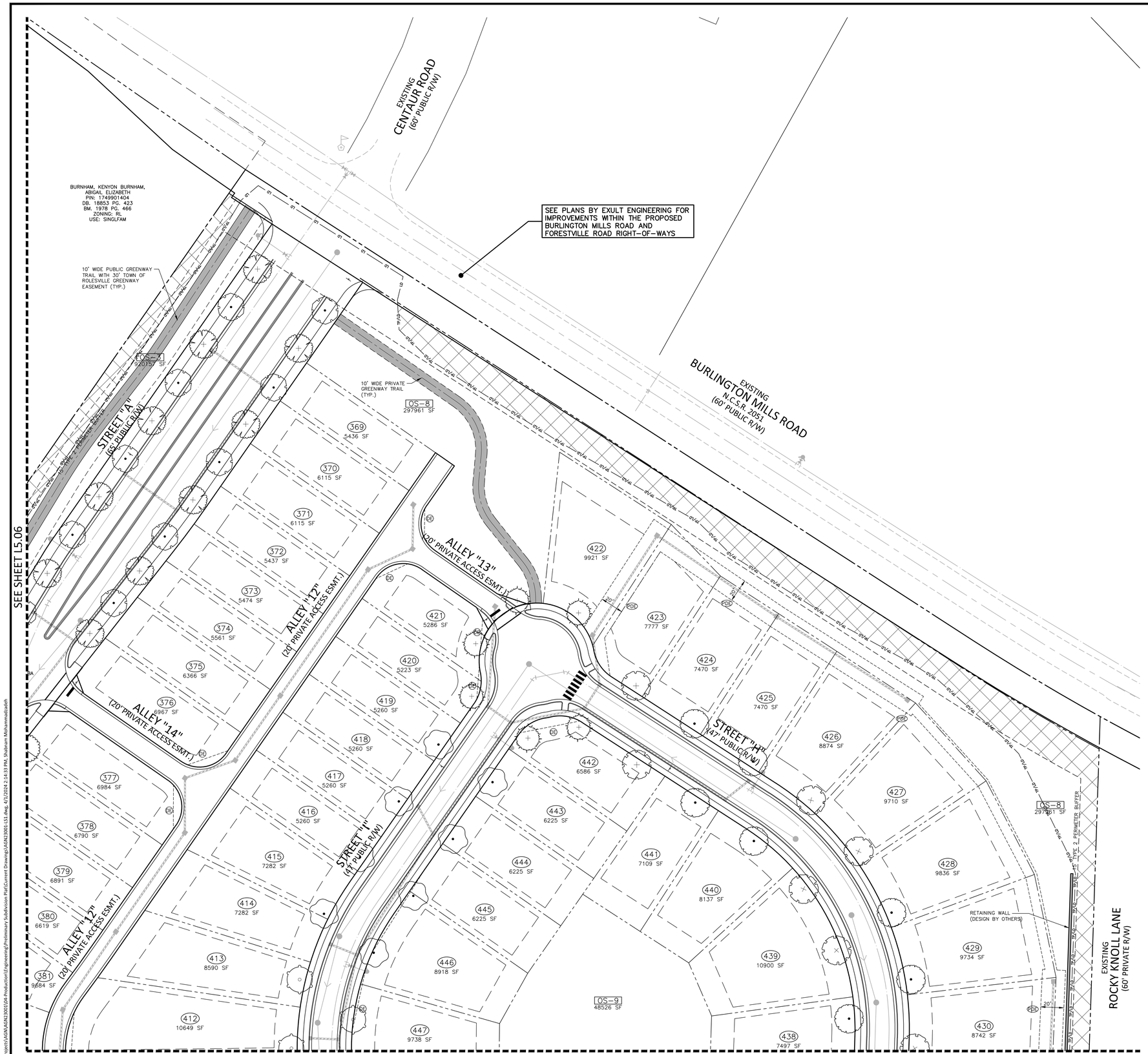

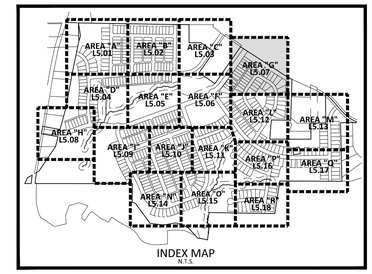

INDEX MAP
N.T.S.

SITE LEGEND

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- LIGHT POLE
- TRAFFIC DIRECTIONAL ARROW
- ACC — ACCESSIBLE PARKING STALL
- VAN — VAN ACCESSIBLE PARKING STALL
- XX — PARKING SPACE COUNT
- ACCESSIBLE RAMPS
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- PROPERTY LINE
- RIGHT-OF-WAY LINE
- LOT LINE
- EASEMENT LINE
- CENTERLINE

KEY LEGEND

- ACCESSIBLE RAMP (TYPE R-2B OR N-4 UNLESS OTHERWISE NOTED)
- PDE — PRIVATE STORM DRAINAGE EASEMENT
- PE — PUBLIC STORM DRAINAGE EASEMENT

PLANT SCHEDULE AREA G

SYMBOL	CODE	COMMON NAME
CANOPY TREES		
	FGA	American Beech
	TDB	Bald Cypress
	GBA	Maidenhair Tree
	ARR	Red Sunset Maple
	ZSG	Sawleaf Zelkova
	QCS	Scarlet Oak
	ARS	Summer Red Red Maple

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

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PSP-23-04

NORTH CAROLINA PROFESSIONAL SEAL 2027 SHRA RUNGE DONDORE
FOR PRELIMINARY NOT FOR CONSTRUCTION

REVISIONS

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PLAN INFORMATION

PROJECT NO.	AGN23001
FILENAME	AGN23001-LS1
CHECKED BY	SRD
DRAWN BY	AAL
SCALE	1"=40'
DATE	12. 01. 2023

SHEET

CODE COMPLIANT LANDSCAPE PLAN AREA "G"

L5.07

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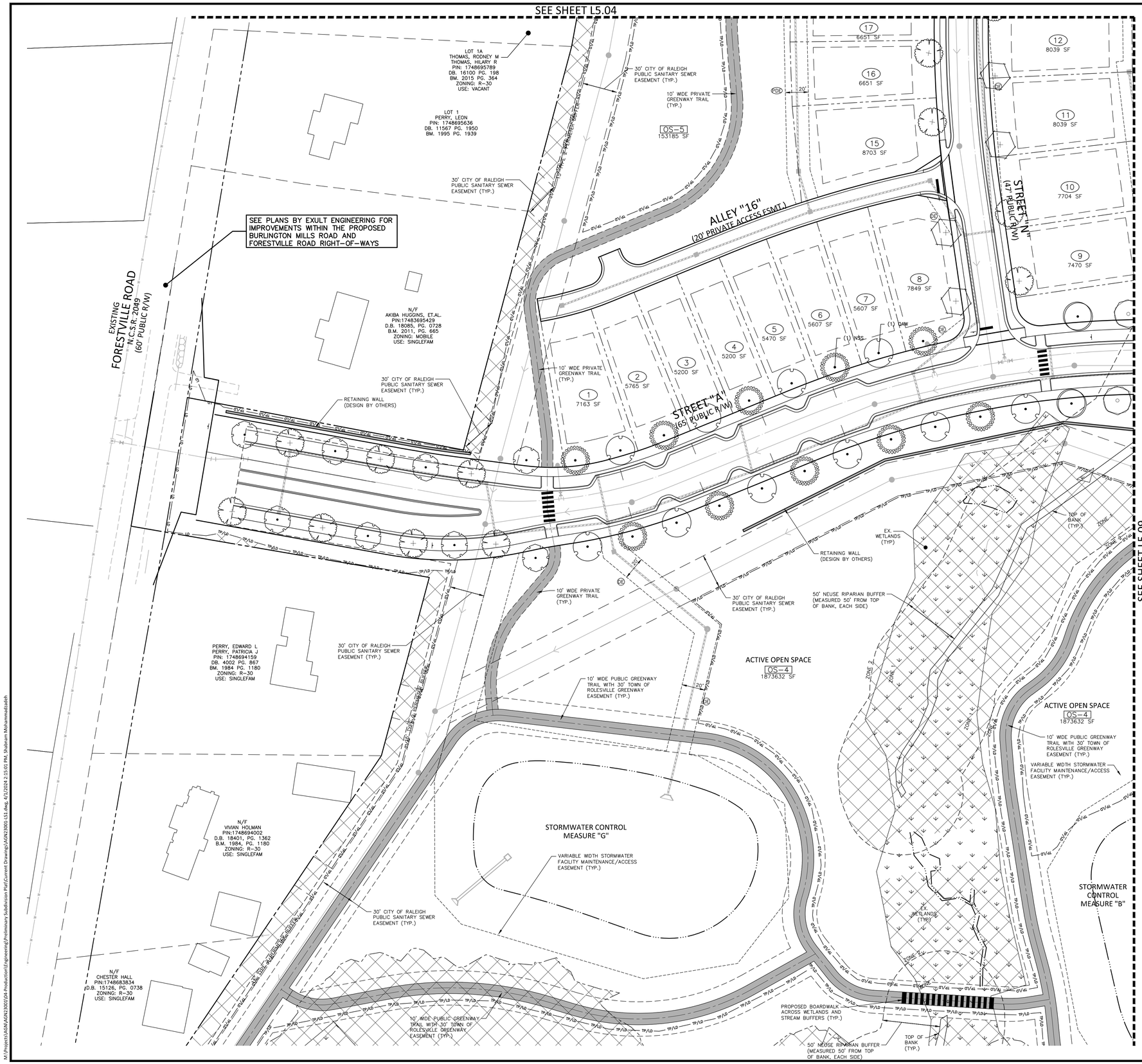

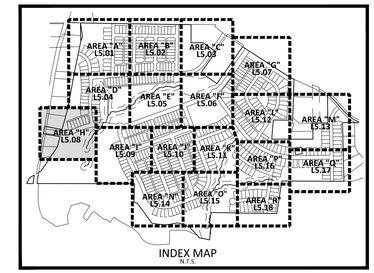

SITE LEGEND

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- EASEMENT LINE
- CENTERLINE

KEY LEGEND

- ACCESSIBLE RAMP (TYPE R-2B OR N-4 UNLESS OTHERWISE NOTED)
- PDE — PRIVATE STORM DRAINAGE EASEMENT
- DE — PUBLIC STORM DRAINAGE EASEMENT

PLANT SCHEDULE AREA H

SYMBOL	CODE	COMMON NAME
CANOPY TREES		
	UAP	American Elm
	GBA	Maidenhair Tree
	NSS	Sour Gum
	ARS	Summer Red Red Maple
	LTT	Tulip Tree
	QAW	White Oak
	QPW	Willow Oak

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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

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

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PLAN INFORMATION

PROJECT NO.	AGN23001
FILENAME	AGN23001-LS1
CHECKED BY	SRD
DRAWN BY	AAL
SCALE	1"=40'
DATE	12. 01. 2023

SHEET

CODE COMPLIANT LANDSCAPE PLAN AREA "H"

L5.08

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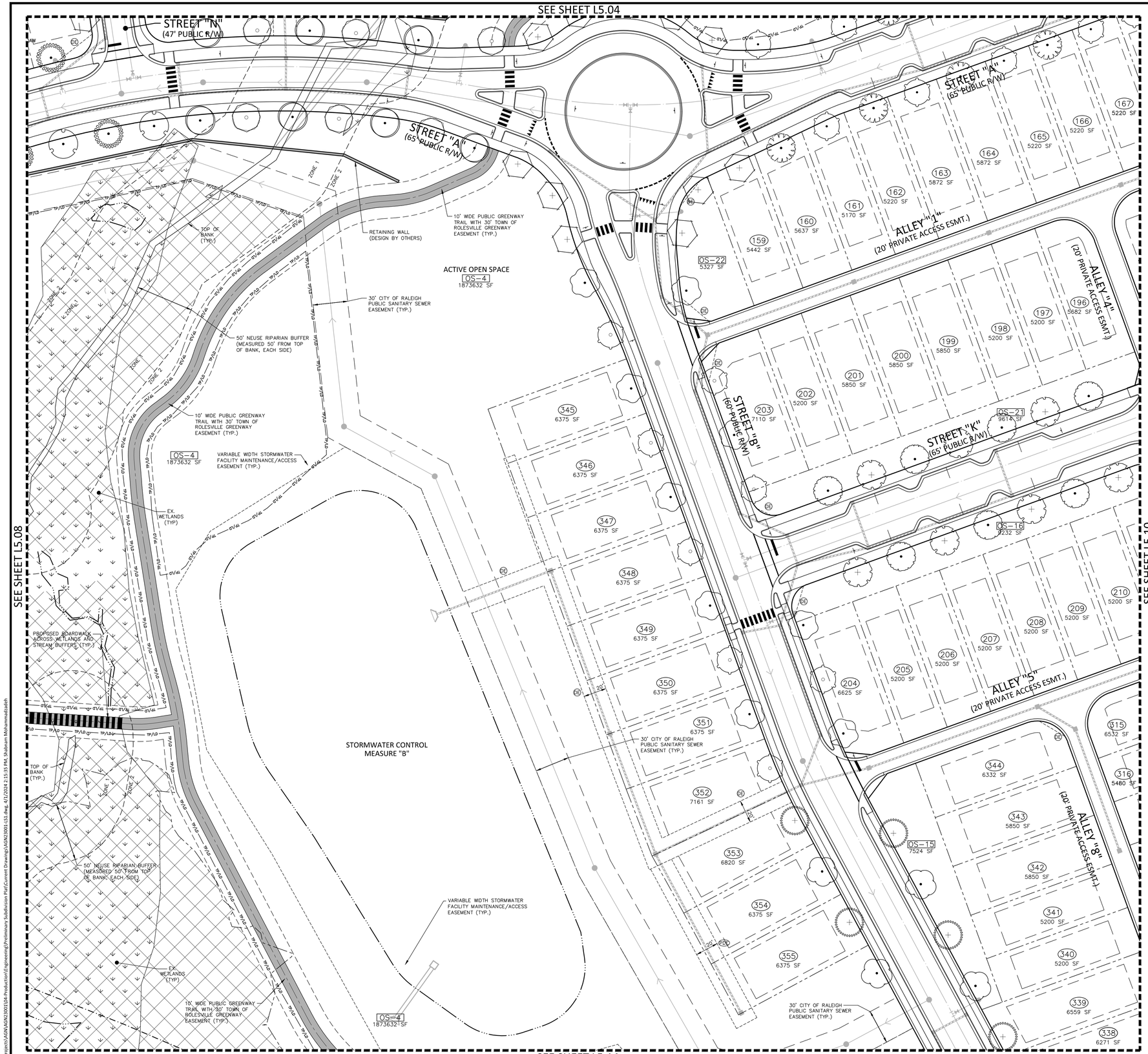

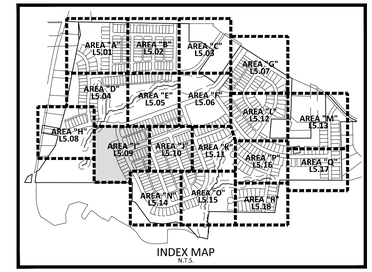

SITE LEGEND

- SIGNAGE
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- CENTERLINE

KEY LEGEND

- ACCESSIBLE RAMP (TYPE R-2B OR N-4 UNLESS OTHERWISE NOTED)
- PDE — PRIVATE STORM DRAINAGE EASEMENT
- DE — PUBLIC STORM DRAINAGE EASEMENT

PLANT SCHEDULE AREA I

SYMBOL	CODE	COMMON NAME
CANOPY TREES		
	FGA	American Beech
	UAP	American Elm
	FPG	Green Ash
	ASL	Legacy Sugar Maple
	CIP	Pecan
	ARR	Red Sunset Maple
	ZSG	Sawleaf Zelkova
	QCS	Scarlet Oak
	NSS	Sour Gum
	QVS	Southern Live Oak
	LTT	Tulip Tree
	QAW	White Oak
	QPW	Willow Oak

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

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PSP-23-04

NORTH CAROLINA PROFESSIONAL SEAL LANDSCAPE ARCHITECT 2027 SARA RUNGE DONOCE
FOR PRELIMINARY REVIEW NOT FOR CONSTRUCTION

REVISIONS

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PLAN INFORMATION

PROJECT NO.	AGN23001
FILENAME	AGN23001-LS1
CHECKED BY	SRD
DRAWN BY	AAL
SCALE	1"=40'
DATE	12. 01. 2023

SHEET

CODE COMPLIANT LANDSCAPE PLAN AREA "I"

L5.09

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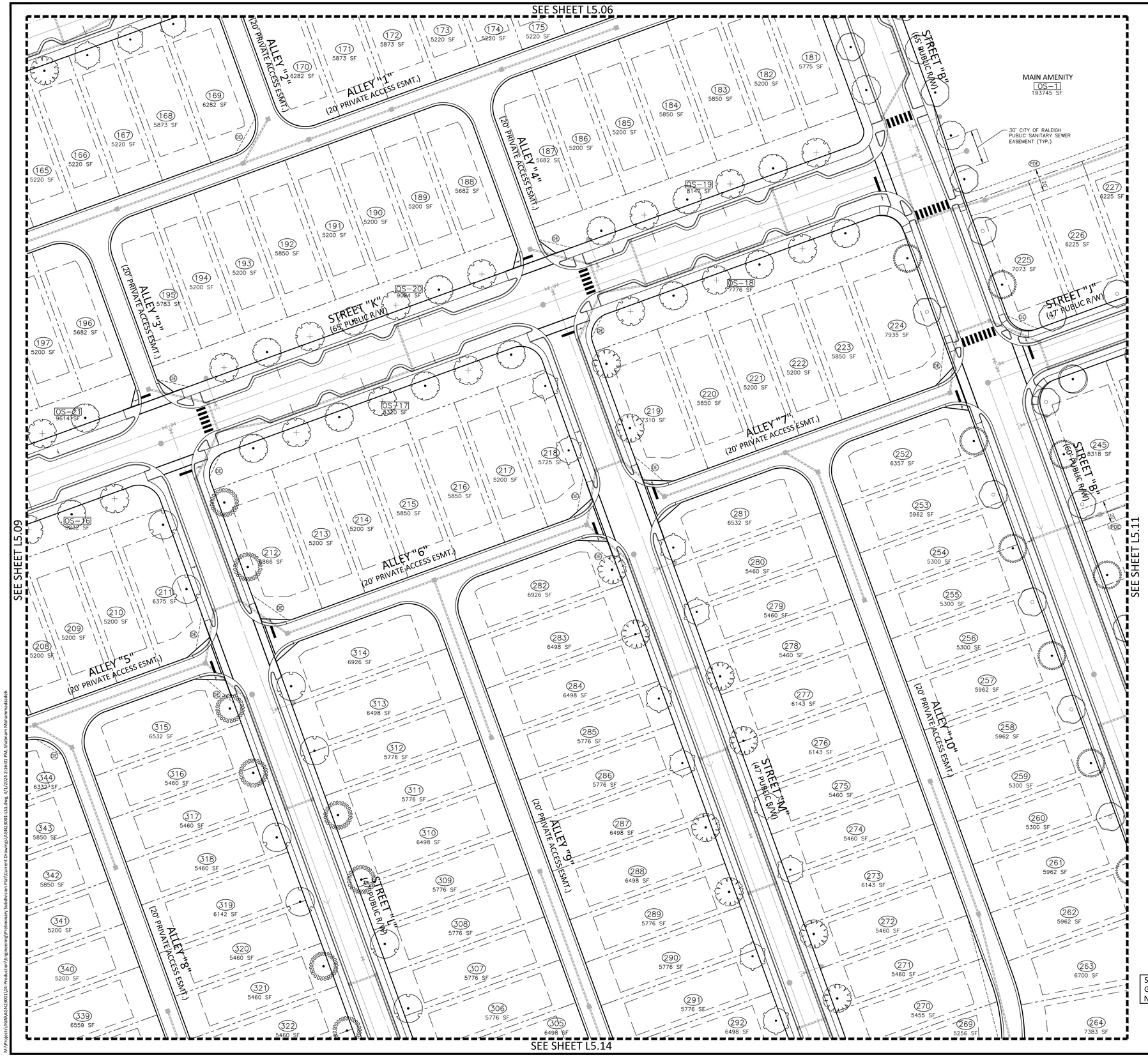

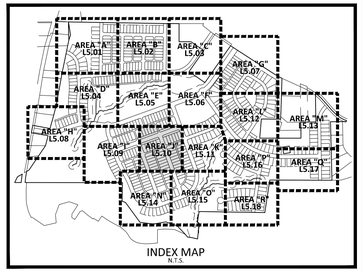

INDEX MAP
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KEY LEGEND

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- DE — PUBLIC STORM DRAINAGE EASEMENT

PLANT SCHEDULE AREA J

SYMBOL	CODE	COMMON NAME
CANOPY TREES		
	FGA	American Beech
	UAP	American Elm
	UPB	Bosque Elm
	ASL	Legacy Sugar Maple
	ZSM	Myrimar Zelkova
	QNN	Nuttall Oak
	CIP	Pecan
	ARR	Red Sunset Maple
	NSS	Sour Gum
	CBS	Southern Catalpa
	QAW	White Oak
	QPW	Willow Oak

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

GRAPHIC SCALE
0 20 40 80
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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 2027 SARA RUNGE DONOVAN
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FILENAME	AGN23001-LS1
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SCALE	1"=40'
DATE	12. 01. 2023

SHEET

CODE COMPLIANT LANDSCAPE PLAN AREA "J"

L5.10

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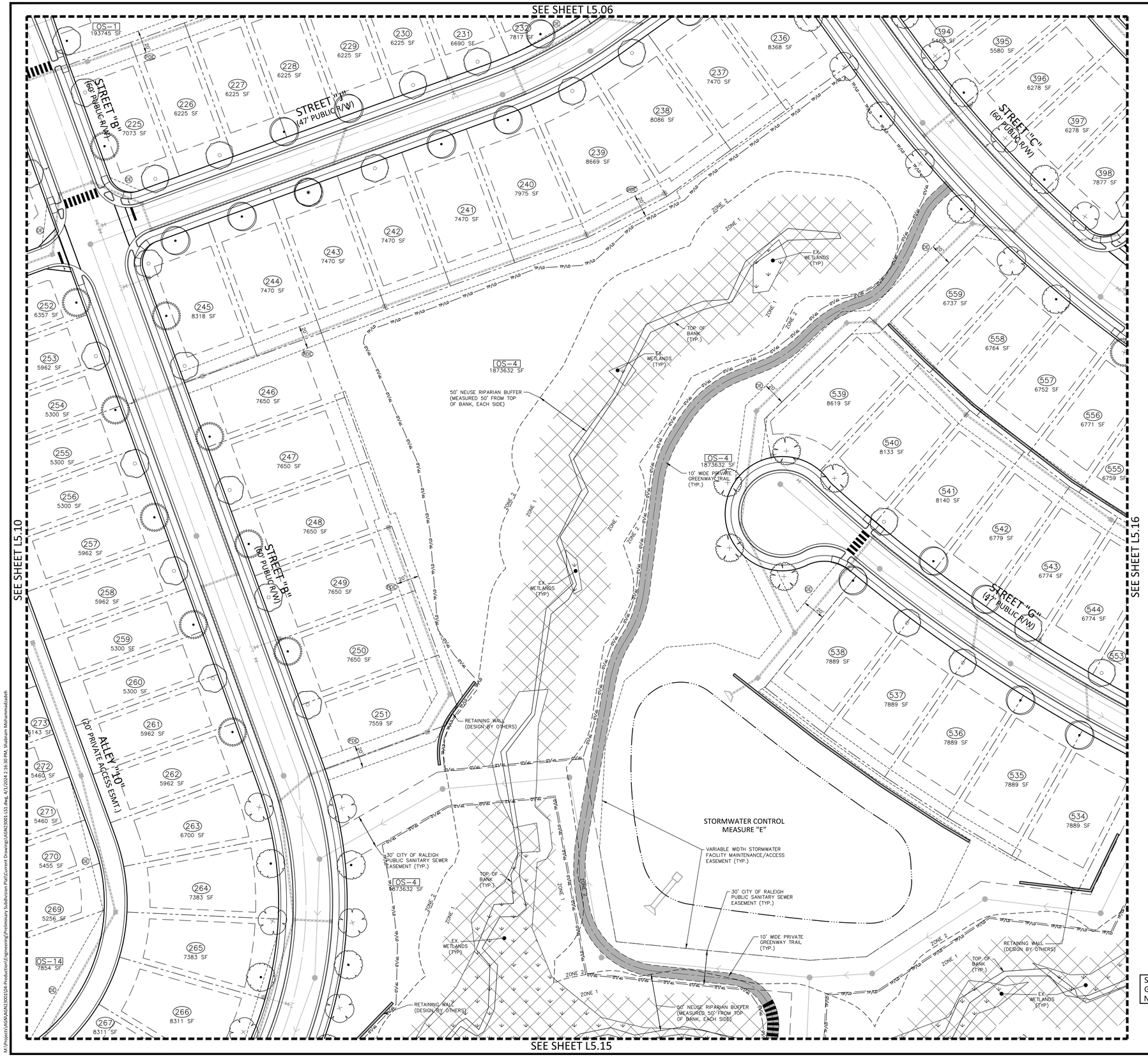

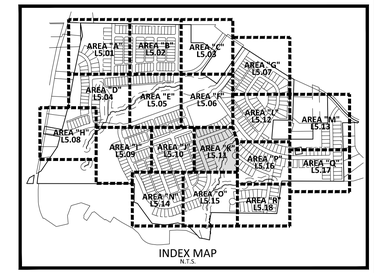

INDEX MAP
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PLANT SCHEDULE AREA K

SYMBOL	CODE	COMMON NAME
CANOPY TREES		
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	UAP	American Elm
	UPB	Bosque Elm
	CBE	European Hornbeam
	GBA	Maidenhair Tree
	QNN	Nuttall Oak
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	QVS	Southern Live Oak
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DRAWN BY	AAL
SCALE	1"=40'
DATE	12. 01. 2023

SHEET

CODE COMPLIANT LANDSCAPE PLAN AREA "K"

L5.11

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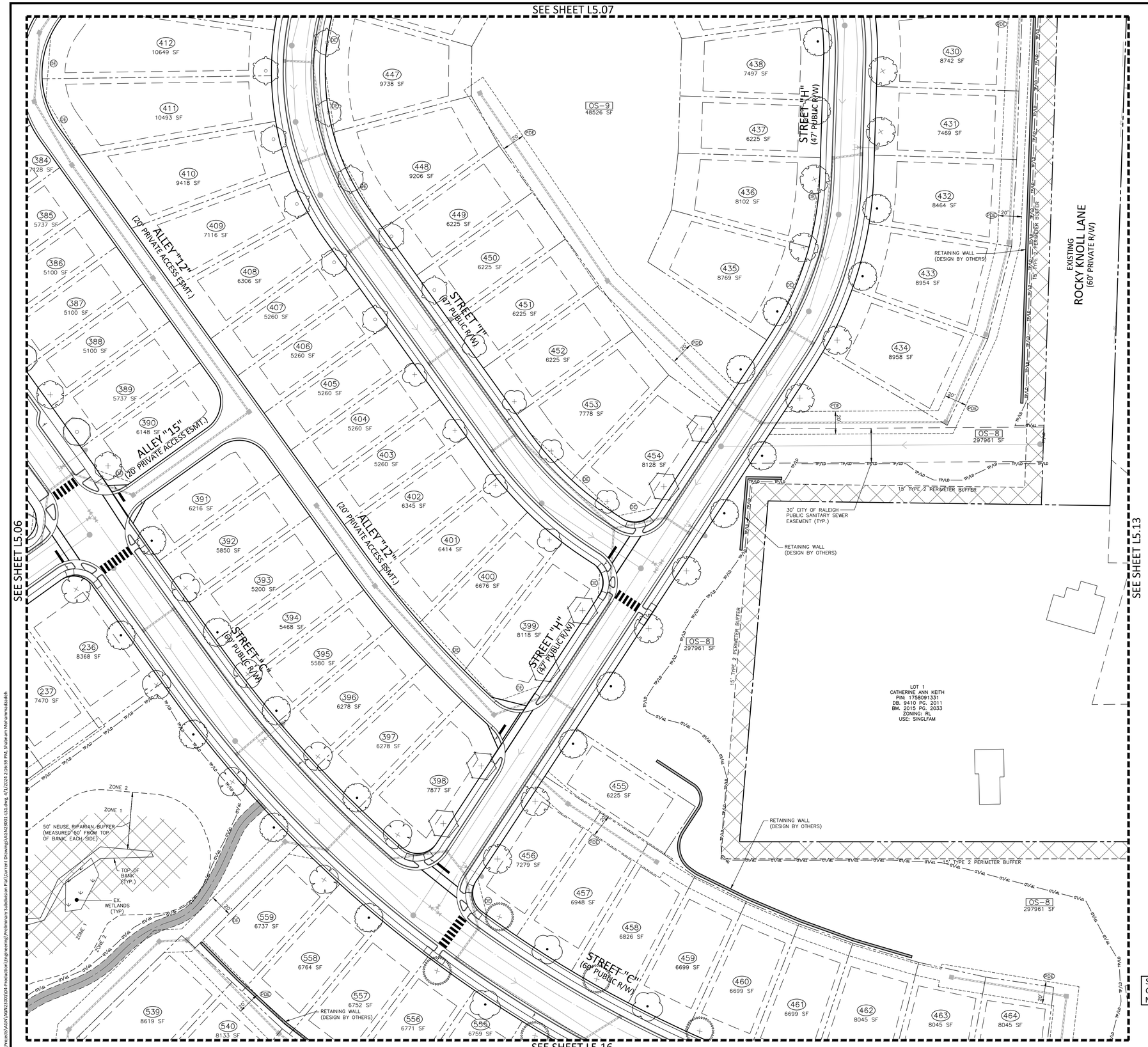

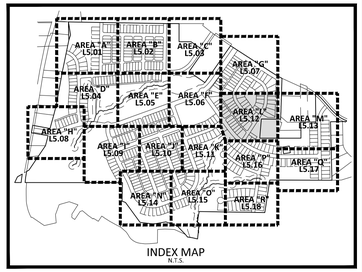

INDEX MAP
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PLANT SCHEDULE AREA L

SYMBOL	CODE	COMMON NAME
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	UAP	American Elm
	ARA	Autumn Blaze Red Maple
	QMB	Blackjack Oak
	CBE	European Hornbeam
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GRAPHIC SCALE
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PLAN INFORMATION

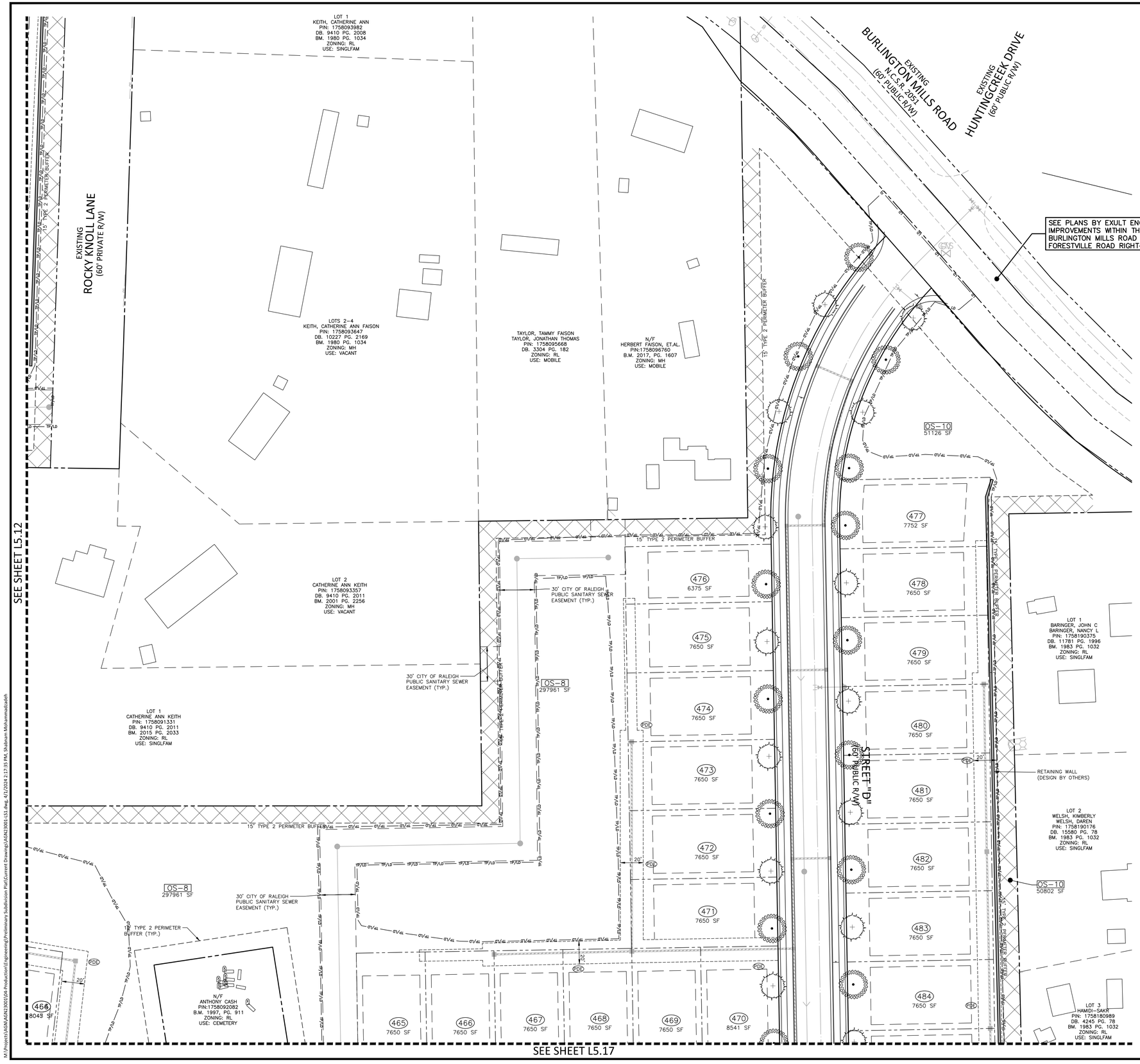
PROJECT NO.	AGN23001
FILENAME	AGN23001-LS1
CHECKED BY	SRD
DRAWN BY	AAL
SCALE	1"=40'
DATE	12. 01. 2023

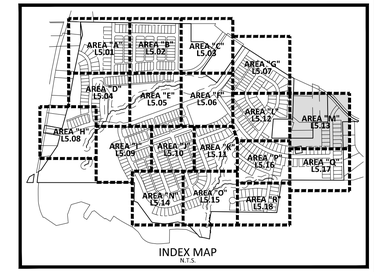
SHEET

CODE COMPLIANT LANDSCAPE PLAN AREA "L"

L5.12

M:\Projects\AGN\AGN23001\04-Production\Engineering\Preliminary Subdivision Plat\Current Drawings\AGN23001-LS1.dwg, 4/1/2024 2:16:59 PM, Shabnam Mohammadzadeh





INDEX MAP
N.T.S.

SITE LEGEND

- SIGNAGE
- SITE LIGHTING
- LIGHT POLE
- TRAFFIC DIRECTIONAL ARROW
- ACC — ACCESSIBLE PARKING STALL
- VAN — VAN ACCESSIBLE PARKING STALL
- (XX) — PARKING SPACE COUNT
- ACCESSIBLE RAMPS
- PHASE LINE
- PROPERTY LINE
- RIGHT-OF-WAY LINE
- LOT LINE
- EASEMENT LINE
- CENTERLINE

KEY LEGEND

- ACCESSIBLE RAMP (TYPE R-2B OR N-4 UNLESS OTHERWISE NOTED)
- PDE — PRIVATE STORM DRAINAGE EASEMENT
- PE — PUBLIC STORM DRAINAGE EASEMENT

PLANT SCHEDULE AREA M

SYMBOL	CODE	COMMON NAME
CANOPY TREES		
	TDB	Bald Cypress
	NSS	Sour Gum

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

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

PSP-23-04

NORTH CAROLINA PROFESSIONAL LANDSCAPE ARCHITECT SARA RUNGE DONOHOE 2027
PRELIMINARY NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
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PLAN INFORMATION

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FILENAME	AGN23001-LS1
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DRAWN BY	AAL
SCALE	1"=40'
DATE	12. 01. 2023

SHEET

CODE COMPLIANT LANDSCAPE PLAN AREA "M"

L5.13

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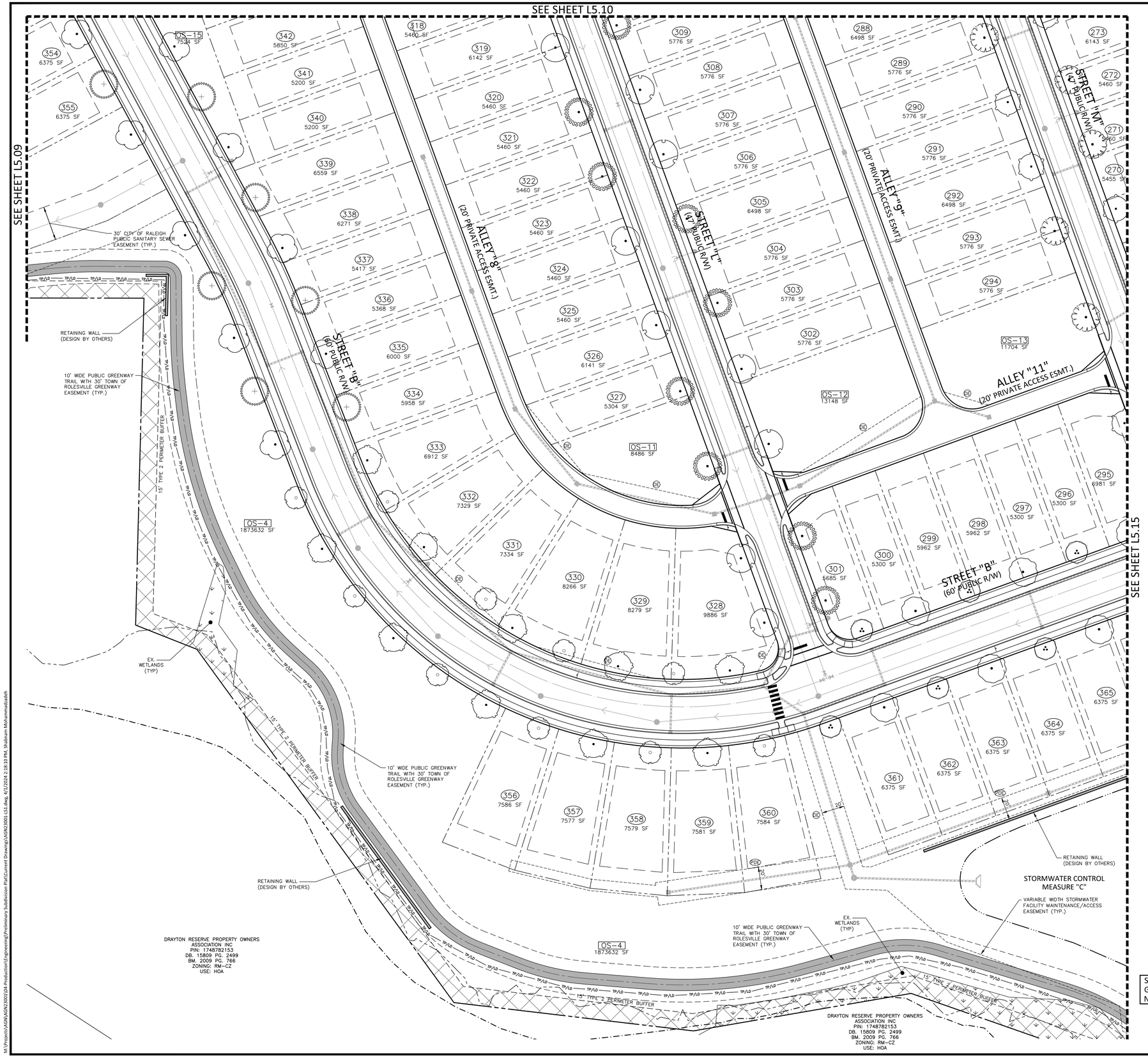

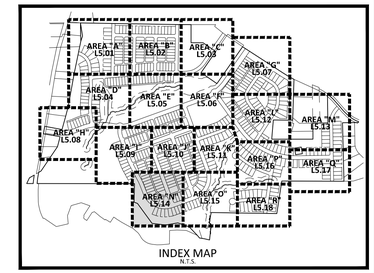

INDEX MAP
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KEY LEGEND

- ACCESSIBLE RAMP (TYPE R-2B OR N-4 UNLESS OTHERWISE NOTED)
- PDE — PRIVATE STORM DRAINAGE EASEMENT
- DE — PUBLIC STORM DRAINAGE EASEMENT

PLANT SCHEDULE AREA N

SYMBOL	CODE	COMMON NAME
CANOPY TREES		
	QMB	Blackjack Oak
	PCC	Chinese Pistache
	BND	Duraheat River Birch
	FPG	Green Ash
	ASL	Legacy Sugar Maple
	CIP	Pecan
	QSS	Shumard Red Oak
	NSS	Sour Gum
	QVS	Southern Live Oak
	FAW	White Ash
	QAW	White Oak

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

N

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

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SHEET

CODE COMPLIANT LANDSCAPE PLAN AREA "N"

L5.14

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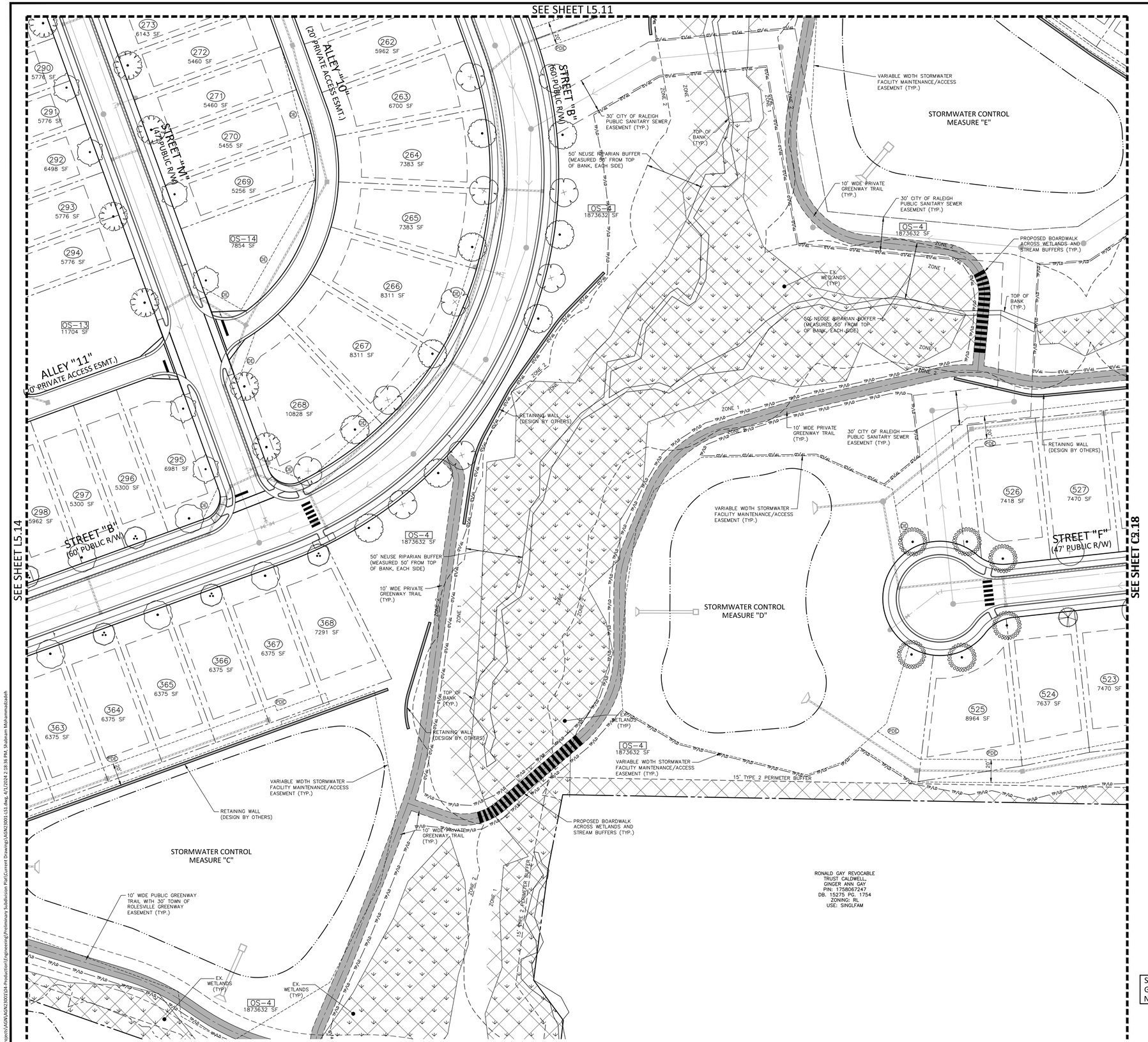

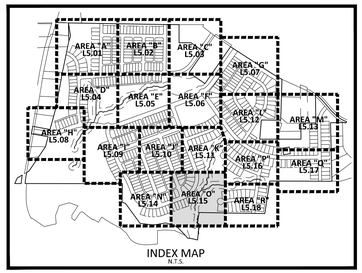

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- DE — PUBLIC STORM DRAINAGE EASEMENT

PLANT SCHEDULE AREA O

SYMBOL	CODE	COMMON NAME
CANOPY TREES		
	FGA	American Beech
	POA	American Sycamore
	BND	Duraheat River Birch
	CBE	European Hornbeam
	ASL	Legacy Sugar Maple
	CIP	Pecan
	QSS	Shumard Red Oak
	NSS	Sour Gum
EVERGREEN TREES		
	MGD	Southern Magnolia

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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

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SHEET

CODE COMPLIANT LANDSCAPE PLAN AREA "O"

L5.15

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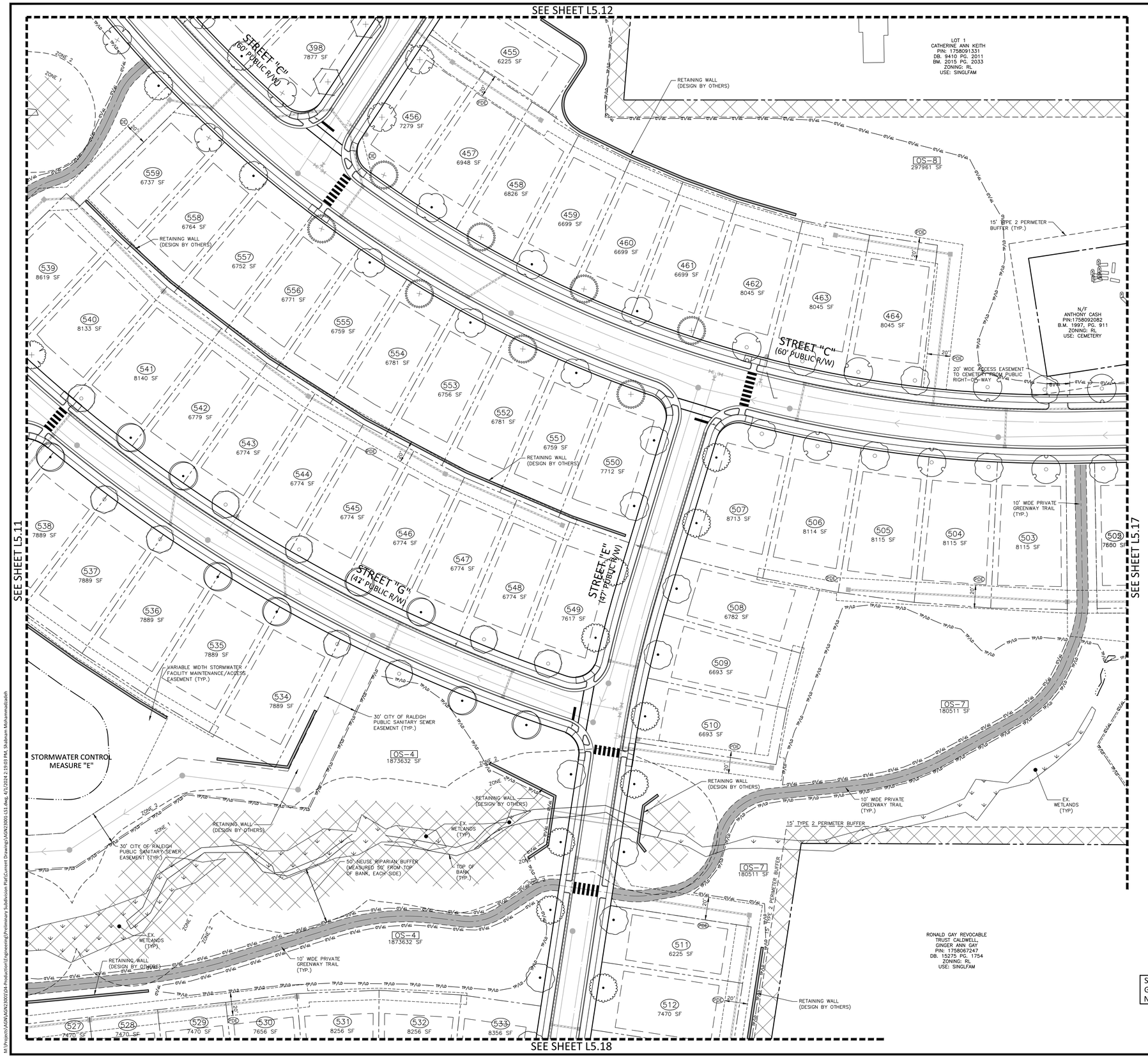

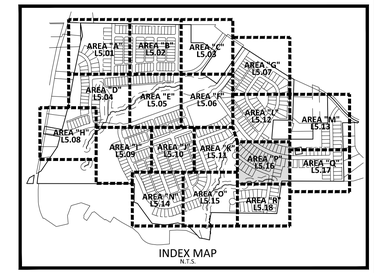

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PLANT SCHEDULE AREA P

SYMBOL	CODE	COMMON NAME
CANOPY TREES		
	FGA	American Beech
	UAP	American Elm
	QMB	Blackjack Oak
	CBE	European Hornbeam
	TCL	Littleleaf Linden
	GBA	Maidenhair Tree
	QLO	Overcup Oak
	QPP	Pin Oak
	ARR	Red Sunset Maple
	QVS	Southern Live Oak
	LTT	Tulip Tree
	QPW	Willow Oak
	UAW	Winged Elm

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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

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PSP-23-04

NORTH CAROLINA PROFESSIONAL LANDSCAPE ARCHITECT SARA RUNGE DONOVAN 2027
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SHEET

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L5.16

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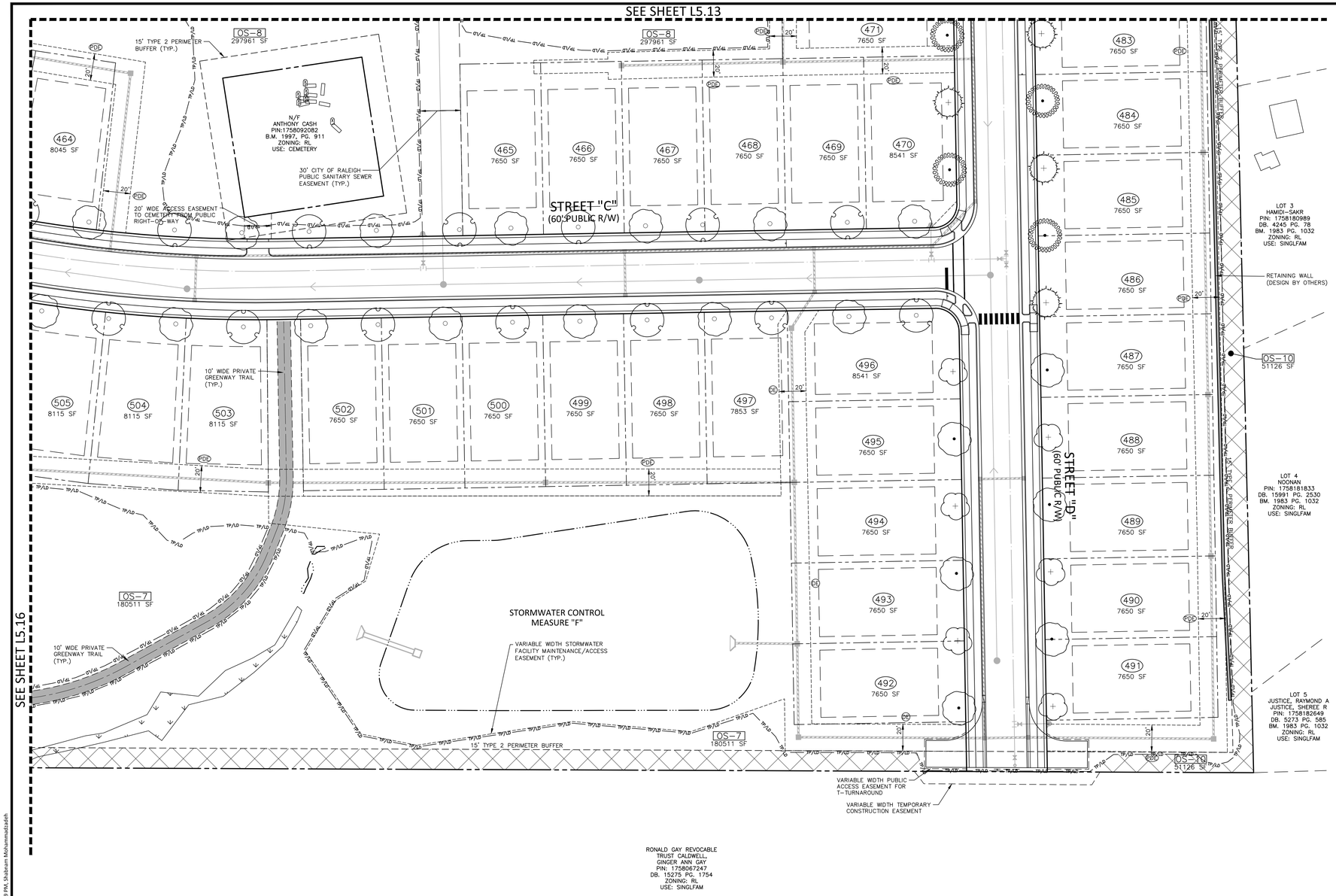

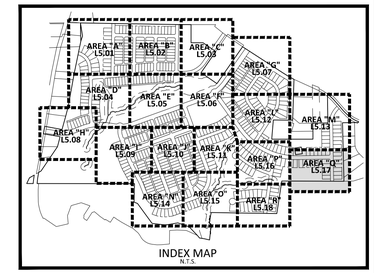

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PLANT SCHEDULE AREA Q

SYMBOL	CODE	COMMON NAME
CANOPY TREES		
	TDB	Bald Cypress
	AFA	Freeman Maple
	TCL	Littleleaf Linden
	QPP	Pin Oak
	NSS	Sour Gum
	UAW	Winged Elm

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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

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SHEET

CODE COMPLIANT LANDSCAPE PLAN AREA "Q"

L5.17

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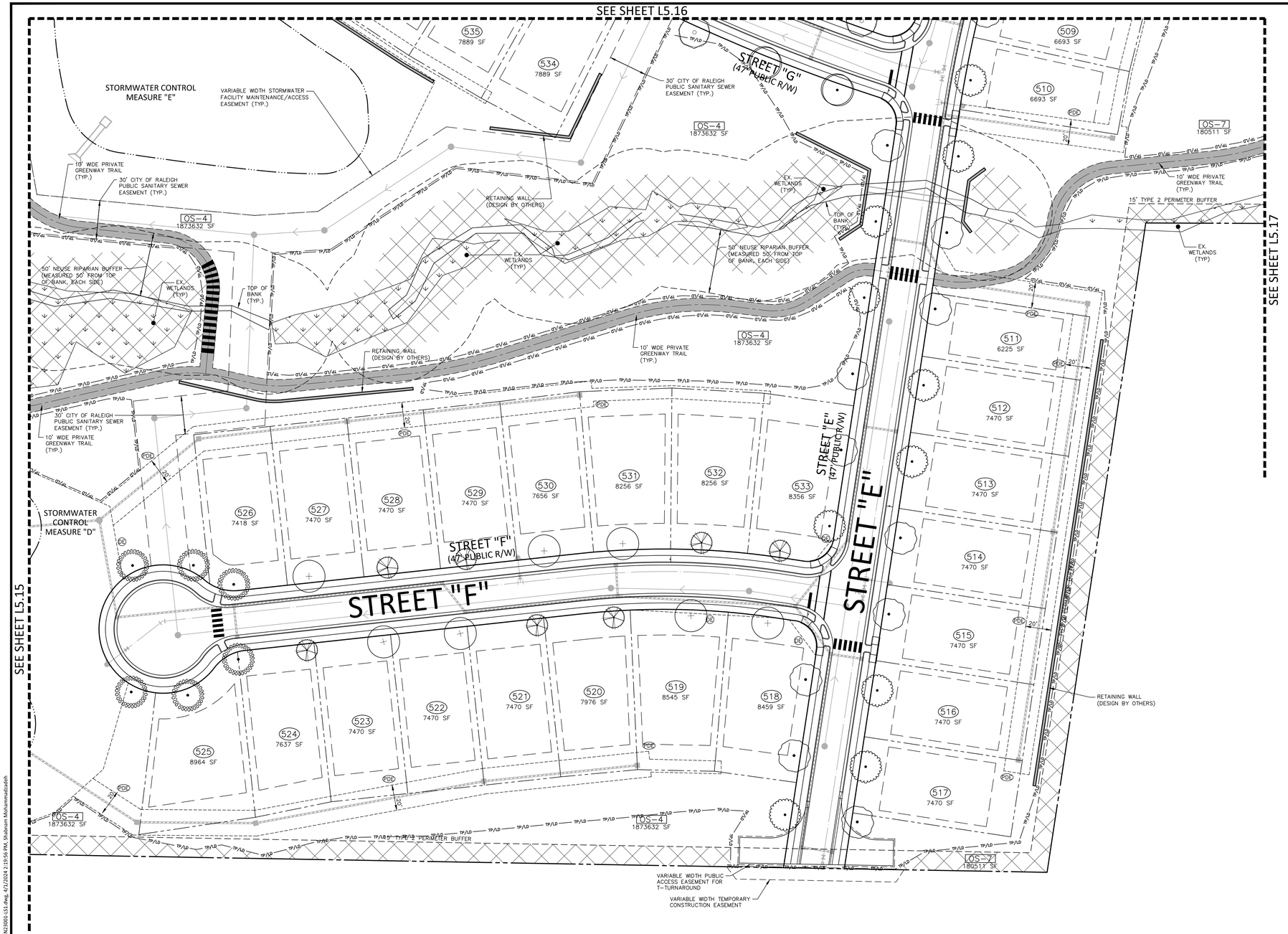

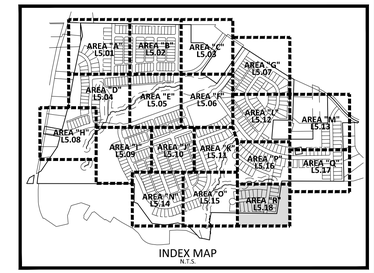

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PLANT SCHEDULE AREA R

SYMBOL	CODE	COMMON NAME
CANOPY TREES		
	UAP	American Elm
	POA	American Sycamore
	QLO	Overcup Oak
	QPP	Pin Oak
	NSS	Sour Gum
	QPW	Willow Oak
EVERGREEN TREES		
	MGD	Southern Magnolia

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SHEET

CODE COMPLIANT LANDSCAPE PLAN AREA "R"

L5.18

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GENERAL LANDSCAPE NOTES:

1. ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TOWN OF ROLESVILLE AND THE STATE OF NORTH CAROLINA STANDARDS AND SPECIFICATIONS.
2. CONTRACTOR IS RESPONSIBLE FOR THE SITE INSPECTION BEFORE LANDSCAPE CONSTRUCTION AND INSTALLATION IN ORDER TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS.
3. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES BEFORE BEGINNING DEMOLITION OR INSTALLATION.
4. CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES BETWEEN THE NOTES, SPECIFICATIONS, DRAWINGS OR SITE CONDITIONS FOR RESOLUTION PRIOR TO INSTALLATION.
5. ANY DAMAGE TO UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
6. THIS PLAN IS FOR PLANTING PURPOSES ONLY. FOR INFORMATION REGARDING BUILDINGS, GRADING, WALLS, ETC., REFER TO ARCHITECTURE, SITE AND GRADING PLANS.
7. VERIFICATION OF TOTAL PLANT QUANTITIES AS SHOWN IN THE PLANT SCHEDULE SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT.
8. CONTRACTOR TO ENSURE PROPER STABILIZATION AND SEEDING OF THE SITE IN ACCORDANCE WITH APPLICABLE REGULATIONS.
9. LANDSCAPE MATERIAL SHALL BE WELL FORMED, VIGOROUS, GROWING SPECIMENS WITH GROWTH TYPICAL OF VARIETIES SPECIFIED AND SHALL BE FREE FROM DAMAGE, INSECTS AND DISEASES. MATERIAL SHALL EQUAL OR SURPASS #1 QUALITY AS DEFINED IN THE CURRENT ISSUE OF "AMERICAN STANDARD FOR NURSERY STOCK" AS PUBLISHED BY THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION.
10. ALL PLANT MATERIAL IS TO BE CAREFULLY HANDLED BY THE ROOT BALL, NOT THE TRUNK, BRANCHES AND/OR FOLIAGE OF THE PLANT. MISHANDLED PLANT MATERIAL MAY BE REJECTED BY THE OWNER OR LANDSCAPE ARCHITECT.
11. ALL PLANT MATERIAL IS TO BE WELL ROOTED, NOT ROOT BOUND, SUCH THAT THE ROOT BALL REMAINS INTACT THROUGHOUT THE PLANTING PROCESS. DEFICIENT PLANT MATERIAL MAY BE REJECTED BY THE LANDSCAPE ARCHITECT OR OWNER.
12. ALL PLANTS TO BE A MINIMUM OF WHAT IS SPECIFIED IN THE PLANT SCHEDULE. ANY CHANGES OR SUBSTITUTIONS SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT AND GOVERNING JURISDICTION PRIOR TO ANY HOLE BEING DUG.
13. CONTRACTOR TO COORDINATE WITH OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT TO ESTABLISH THE EXTENTS OF MULCH/SEED/SOD IF NOT SPECIFICALLY SHOWN ON PLANS.
14. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE IN ALL PLANTING AREAS.
15. PROPOSED TREES TO BE PLANTED A MINIMUM 10 FEET FROM ANY LIGHT POLE AS MEASURED FROM TRUNK OF THE TREE TO THE POLE.
16. PROPOSED TREES TO BE PLANTED A MINIMUM 10 FEET FROM ANY FIRE HYDRANT AS MEASURED FROM TRUNK OF THE TREE TO THE HYDRANT.
17. CONTRACTOR SHALL COMPLETE SOIL TEST IN ALL PLANTING AREAS TO DETERMINE SOIL AMENDMENT REQUIREMENTS UNLESS WAIVED BY OWNER'S REPRESENTATIVE. CONTRACTOR SHALL ADJUST PH AND FERTILITY BASED UPON THE SOIL TEST RESULTS.
18. TOPSOIL SHALL BE FREE OF MATERIAL LARGER THAN 1.0 INCH IN DIAMETER OR LENGTH AND SHALL NOT CONTAIN SLAG, CINDERS, STONES, LUMPS OF SOIL, STICKS, ROOTS, TRASH, OR OTHER EXTRANEOUS MATERIAL.
19. LOOSEN SUBGRADE / SURFACE SOIL TO A MINIMUM DEPTH OF 6 INCHES. APPLY SOIL AMENDMENTS AND FERTILIZERS AS REQUIRED BY THE SOIL TEST RESULTS TO ACHIEVE A HEALTHY GROWING MEDIA AND MIX THOROUGHLY INTO TOP 4 INCHES OF SOIL. SPREAD PLANTING SOIL MIX TO A DEPTH OF 6 INCHES BUT NOT LESS THAN REQUIRED TO MEET FINISH GRADES AFTER NATURAL SETTLEMENT. DO NOT SPREAD IF PLANTING SOIL OR SUBGRADE IS FROZEN, MUDDY, OR EXCESSIVELY WET.
20. IF IMPORTED TOPSOIL IS REQUIRED, THE SUBGRADE SHALL BE SCARIFIED OR TILLED TO A DEPTH OF AT LEAST 6 INCHES PRIOR TO INSTALLATION OF IMPORTED TOPSOIL. FOLLOWING INSTALLATION OF IMPORTED TOPSOIL, THE TOPSOIL SHALL BE TILLED TO INTEGRATE THE SOIL PROFILES.
21. PLANT MATERIALS ARE TO BE GUARANTEED FOR A PERIOD OF 12 MONTHS. PLANT MATERIALS WHICH REMAIN UNHEALTHY WILL BE REPLACED BY THE LANDSCAPE CONTRACTOR BEFORE THE EXPIRATION OF THE GUARANTEE PERIOD OR IMMEDIATELY IF SO DIRECTED BY THE OWNER'S REPRESENTATIVE OR LANDSCAPE ARCHITECT.
22. ALL TREE PLANTINGS SHALL BE MULCHED TO A DEPTH OF 3 INCHES, AND WITH A MINIMUM 3 FOOT RADIUS FROM BASE OF TREE OR TO DRIPLINE. MULCH SHALL BE FREE OF TRASH AND MAINTAINED WEED FREE. MULCH SHALL NOT COVER THE ROOT FLARE. CONFIRM MULCH SPECIFICATIONS WITH OWNER'S REPRESENTATIVE OR LANDSCAPE ARCHITECT.
23. DO NOT PRUNE TREES AND SHRUBS BEFORE DELIVERY. PROTECT BARK, BRANCHES, AND ROOT SYSTEMS FROM SUN SCALD, DRYING, SWEATING, WHIPPING, AND OTHER HANDLING AND TYING DAMAGE. DO NOT BEND OR BIND-TIE TREES OR SHRUBS IN SUCH A MANNER AS TO DESTROY THEIR NATURAL SHAPE. PROVIDE PROTECTIVE COVERING OF EXTERIOR PLANTS DURING DELIVERY. DO NOT DROP EXTERIOR PLANTS DURING DELIVERY AND HANDLING.
24. DELIVER EXTERIOR PLANTS AFTER PREPARATIONS FOR PLANTING HAVE BEEN COMPLETED AND INSTALL IMMEDIATELY. IMMEDIATELY AFTER UNLOADING, STAND THE TREES UP TO REDUCE THE RISK OF SUN SCALD. PROPERLY STAGED TREES ARE STANDING, UNTIED AND SPACED. UNLESS IMMEDIATELY INSTALLED, SET EXTERIOR PLANTS AND TREES IN SHADE, PROTECT FROM WEATHER AND MECHANICAL DAMAGE, AND KEEP ROOTS MOIST.
25. CONTRACTOR SHALL REMOVE DEBRIS AND FINE GRADE ALL PLANTING AREAS PRIOR TO INSTALLATION.
26. REMOVE GUY WIRES AND STAKES AT END OF WARRANTY PERIOD OR ESTABLISHMENT.
27. FINISH GRADING: GRADE PLANTING AREAS TO A SMOOTH, UNIFORM SURFACE PLANE WITH LOOSE, UNIFORMLY FINE TEXTURE. GRADE TO WITHIN PLUS OR MINUS 1/2 INCH OF FINISH ELEVATION. ROLL AND RAKE, REMOVE RIDGES, AND FILL DEPRESSIONS TO MEET FINISH GRADES. LIMIT FINISHED GRADING TO AREAS THAT CAN BE PLANTED IN THE IMMEDIATE FUTURE.

WARRANTY & MAINTENANCE:

1. WARRANTY: INSTALLER SHALL REPAIR OR REPLACE ANY PLANTINGS THAT FAIL IN MATERIALS, WORKMANSHIP, OR GROWTH WITHIN ONE YEAR AFTER THE DATE OF SUBSTANTIAL COMPLETION. FAILURES INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
   - DEATH AND UNSATISFACTORY GROWTH, EXCEPT FOR DEFECTS RESULTING FROM NEGLECT, ABUSE BY OWNER, OR INCIDENTS THAT ARE BEYOND CONTRACTOR'S CONTROL.
2. MAINTENANCE: INITIAL MAINTENANCE SHALL BE PROVIDED IMMEDIATELY AFTER EACH AREA IS PLANTED AND CONTINUE UNTIL SUBSTANTIAL COMPLETION. UPON SUBSTANTIAL COMPLETION, MAINTENANCE FOR ALL PLANT MATERIAL SHALL BE PROVIDED FOR ONE YEAR AT A MINIMUM SHALL INCLUDE:
   - TREE AND SHRUB MAINTENANCE: MAINTAIN PLANTINGS BY PRUNING, CULTIVATING, WATERING, WEEDING, FERTILIZING, RESTORING PLANTING SAUCERS, AND RESETTING TO PROPER GRADES OR VERTICAL POSITION, AS REQUIRED TO ESTABLISH HEALTHY, VIABLE PLANTINGS. SPRAY OR TREAT AS REQUIRED TO KEEP TREES AND SHRUBS FREE OF INSECTS AND DISEASE.
   - PROTECT EXTERIOR PLANTS FROM DAMAGE DUE TO LANDSCAPE OPERATIONS, OPERATIONS BY OTHER CONTRACTORS AND TRADES, AND OTHERS. MAINTAIN PROTECTION DURING INSTALLATION AND MAINTENANCE PERIODS. TREAT, REPAIR, OR REPLACE DAMAGED PLANTINGS.

LANDSCAPE CALCULATIONS - TOWN OF ROLESVILLE

PERIMETER BUFFERS (LDO 6.2.2.1)

SUBJECT PROPERTY ZONED RM-CU, ZONING DISTRICT OF ADJACENT PROPERTIES IS RL OR R-30.
A TYPE 2 BUFFER (15' WIDTH) IS REQUIRED PER LDO 6.2.2.1.G AND IS PROPOSED HEREIN.

PLANT MATERIAL SHALL BE PROVIDED IN ACCORDANCE WITH THE BELOW MINIMUM STANDARDS

CANOPY TREES	3/100 LF
UNDERSTORY TREES	1/100 LF
SHRUBS	50/100 LF

TOTAL PERIMETER BUFFER 16,488 LF

PERIMETER BUFFER AREAS LEFT IN AN UNDISTURBED, VEGETATED CONDITION DO NOT REQUIRE REPLANTING OR FENCE INSTALLATION. WHERE BUFFER REPLANTING IS REQUIRED, AN ADDITIONAL 3 EVERGREEN UNDERSTORY TREES PER 100' MAY BE PROVIDED IN LIEU OF A 6' FENCE.

TOTAL LINEAR FEET TO BE REPLANTED: TBD

CANOPY TREES	MINIMUM 2" CALIPER, 8' HT AT TIME OF INSTALL (LDO 6.2.4.3.A)
REQUIRED:	495
PROVIDED:	495
UNDERSTORY TREES	MINIMUM 1" CALIPER, 8' HT AT TIME OF INSTALL (LDO 6.2.4.3.A)
REQUIRED:	165
PROVIDED:	165
SHRUBS WITHIN THREE YEARS	SHALL REACH MINIMUM HEIGHT OF 30" AND SPREAD OF 30"
REQUIRED:	8244
PROVIDED:	8244

STREET BUFFERS

STREET 'A' (MAIN)	
TOTAL LENGTH:	6,484 LF
REQUIRED:	162 STREET TREES (1/40LF)
PROVIDED:	166
STREET 'B' (MAIN)	
TOTAL LENGTH:	708 LF
REQUIRED:	18 STREET TREES (1/40LF)
PROVIDED:	14
STREET 'B' (COLLECTOR)	
TOTAL LENGTH:	5,215 LF
REQUIRED:	105 STREET TREES (1/50LF)
PROVIDED:	112
STREET 'C' (MAIN)	
TOTAL LENGTH:	640 LF
REQUIRED:	16 STREET TREES (1/40LF)
PROVIDED:	19
STREET 'C' (COLLECTOR)	
TOTAL LENGTH:	2,999 LF
REQUIRED:	60 STREET TREES (1/50LF)
PROVIDED:	62
STREET 'D' (COLLECTOR)	
TOTAL LENGTH:	2,107 LF
REQUIRED:	43 STREET TREES (1/50LF)
PROVIDED:	43
STREET 'E' (LOCAL)	
TOTAL LENGTH:	1,931 LF
REQUIRED:	33 STREET TREES (1/60LF)
PROVIDED:	28
STREET 'F' (LOCAL)	
TOTAL LENGTH:	1,043 LF
REQUIRED:	18 STREET TREES (1/60LF)
PROVIDED:	20
STREET 'G' (LOCAL)	
TOTAL LENGTH:	1,258 LF
REQUIRED:	21 STREET TREES (1/60LF)
PROVIDED:	23
STREET 'H' (LOCAL)	
TOTAL LENGTH:	2,191 LF
REQUIRED:	37 STREET TREES (1/60LF)
PROVIDED:	41
STREET 'I' (LOCAL)	
TOTAL LENGTH:	1,656 LF
REQUIRED:	28 STREET TREES (1/60LF)
PROVIDED:	30
STREET 'J' (LOCAL)	
TOTAL LENGTH:	1,126 LF
REQUIRED:	19 STREET TREES (1/60LF)
PROVIDED:	19
STREET 'K' (MAIN)	
TOTAL LENGTH:	1,701 LF
REQUIRED:	43 STREET TREES (1/40LF)
PROVIDED:	40
STREET 'L' (LOCAL)	
TOTAL LENGTH:	1,548 LF
REQUIRED:	26 STREET TREES (1/60LF)
PROVIDED:	28
STREET 'M' (LOCAL)	
TOTAL LENGTH:	1,526 LF
REQUIRED:	26 STREET TREES (1/60LF)
PROVIDED:	28
STREET 'N' (LOCAL)	
TOTAL LENGTH:	1,921 LF
REQUIRED:	32 STREET TREES (1/60LF)
PROVIDED:	36
STREET 'O' (COLLECTOR)	
TOTAL LENGTH:	3,383 LF
REQUIRED:	68 STREET TREES (1/50LF)
PROVIDED:	74
STREET 'P' (LOCAL)	
TOTAL LENGTH:	1,319 LF
REQUIRED:	24 STREET TREES (1/60LF)
PROVIDED:	22
STREET 'Q' (LOCAL)	
TOTAL LENGTH:	1,260 LF
REQUIRED:	21 STREET TREES (1/60LF)
PROVIDED:	23
STREET 'R' (LOCAL)	
TOTAL LENGTH:	1,409 LF
REQUIRED:	24 STREET TREES (1/60LF)
PROVIDED:	21
STREET 'S' (LOCAL)	
TOTAL LENGTH:	856 LF
REQUIRED:	15 STREET TREES (1/60LF)
PROVIDED:	17
STREET 'T' (LOCAL)	
TOTAL LENGTH:	807 LF
REQUIRED:	14 STREET TREES (1/60LF)
PROVIDED:	16

PLANT DIVERSITY (LDO 6.2.4.3)

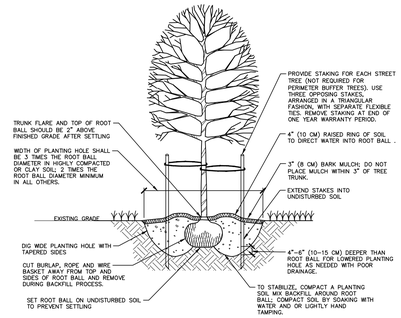
- THERE ARE GREATER THAN 100 TREES PLANTED ON SITE
- THE MINIMUM NUMBER OF GENERA REQUIRED IS FOUR (4)
- A MAXIMUM OF 40% OF ANY ONE GENERA IS ALLOWED

TOTAL CANOPY TREES PROVIDED:	881 CANOPY TREES
MAXIMUM OF ANY GENERA ALLOWED:	353 (40%)
MAXIMUM OF ANY GENERA PROPOSED:	65

*CALCULATIONS REFLECT STREET TREE QUANTITIES, FINAL CALCULATIONS TO BE PROVIDED UPON DETERMINATION OF PERIMETER BUFFER REPLANTING TOTAL LINEAR FOOTAGE.

ADDITIONAL LDO PLANTING NOTES

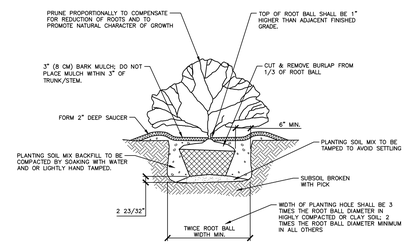
- NO TREE MAY BE PLANTED CLOSER THAN 35' OF A STREET CORNER, MEASURED FROM THE POINT OF NEAREST INTERSECTION CURBS.
- NO STREET TREE SHALL BE PLANTED CLOSER THAN 10' FROM ANY FIRE HYDRANT.



NOTES:
1. SELECT TREES THAT HAVE: STRONG CENTRAL LEADER; CROWN WITH FULL FOLIAGE; ARE GROWN IN HEAVY CLAY SOIL WITH DRIP IRRIGATION.
2. BEFORE INSTALLING PLANTING SOIL MIX BACKFILL AROUND ROOT BALL, BE SURE TO SOAK HOLE TO CONFIRM WATER FILTERS THROUGH UNDISTURBED SOIL. DESIGN ALTERNATIVE DRAINAGE SYSTEM IF REQUIRED.
3. A SOIL EXPERT CAN BE CONSULTED TO HELP MODIFY AND FERTILIZE TOPSOIL TO CREATE AN ACCEPTABLE PLANTING SOIL MIX FOR THE SITE CONDITIONS AND SPECIFIC TREE SPECIES.
4. USING CONTAINER GROWN TREES, USE FINGERS OR SMALL HAND TOOLS TO PULL ROOTS OUT OF THE OUTER LAYER OF POTTING SOIL; THEN CUT OR PULL APART ANY ROOTS CIRCLING THE PERIMETER OF THE CONTAINER.
5. THOROUGHLY SOAK THE TREE ROOT BALL AND ADJACENT PREPARED SOIL SEVERAL TIMES DURING THE FIRST MONTH AFTER PLANTING AND DURING DRY PERIODS.

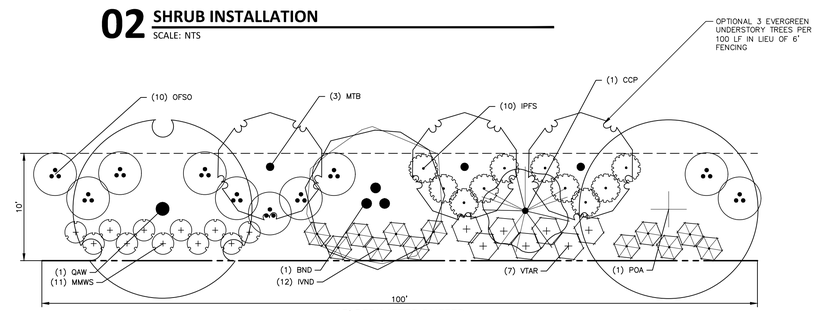
01 TREE INSTALLATION

SCALE: NTS



02 SHRUB INSTALLATION

SCALE: NTS



15' PERIMETER BUFFER
(100' TYPICAL DETAIL)

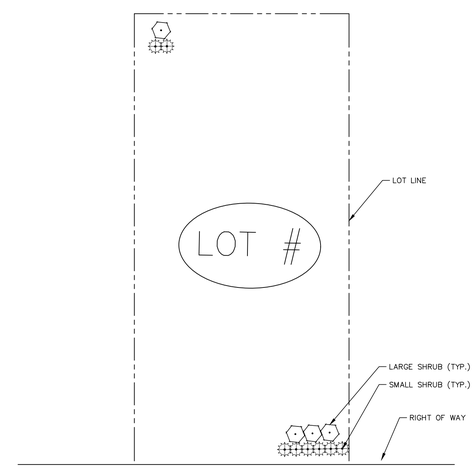
SCALE: 1" = 10'

NOTES:
1. WHERE BUFFER REPLANTING IS REQUIRED, AN ADDITIONAL 3 EVERGREEN UNDERSTORY TREES PER 100' MAY BE PROVIDED IN LIEU OF A 6' FENCE.

PLANT SCHEDULE 15' PERIMETER BUFFER (PER 100 LF)

SYMBOL	CODE	QTY	COMMON NAME	BOTANICAL NAME	CAL	HEIGHT
CANOPY TREES						
	BND	1	Duraheat River Birch	Betula nigra 'Duraheat'	2.5"	12' min
	POA	1	American Sycamore	Platanus occidentalis	2.5"	12' min
	QAW	1	White Oak	Quercus alba	2.5"	12' min
UNDERSTORY TREES						
	CCP	1	Forest Pansy Redbud	Cercis canadensis 'Forest Pansy' TM	1"	8'
	MTB	3	Teddy Bear® Southern Magnolia	Magnolia grandiflora 'Southern Charm'	–	12' min

SYMBOL	CODE	QTY	COMMON NAME	BOTANICAL NAME	HEIGHT
EVERGREEN SHRUBS					
	IVND	12	Dwarf Yaupon	Ilex vomitoria 'Nana'	18" min
	IPFS	10	Florida Sunshine Anise Tree	Illicium parviflorum 'Florida Sunshine'	24" min
	MMWS	11	Mahonia hybrid	Mahonia x media 'Winter Sun'	18" min
	OFSO	10	Sweet Olive	Osmanthus fragrans	24" min
	VTAR	7	Arrowwood	Viburnum tinus	18" min



INDIVIDUAL LOT LANDSCAPING
(TYPICAL DETAIL)

SCALE: 1" = 20'

INDIVIDUAL LOTS APPROVED PLANT SPECIES

LARGE SHRUB SPECIES:	30" MIN. PLANTING HEIGHT
LOROPETALUM CHINENSE (CHINESE FRINGE)	5'–8" MATURE HT.
MYRICA PENSYLVANICA (BAYBERRY)	6'–10' MATURE HT.
HYDRANGEA QUERCIFOLIA (OAKLEAF HYDRANGEA)	6'–8' MATURE HT.
LINDERA BENZOIN (SPICEBUSH)	6'–8' MATURE HT.
VIBURNUM TINUS (ARROWOOD)	

SMALL SHRUB SPECIES:	20" MIN. PLANTING HEIGHT
ANDROPOGON GERARDII 'RED OCTOBER' (BIG BLUESTEM)	2'–4' MATURE HT.
CALAMAGROSTIS BRACHYTRICHA (REED GRASS)	3' MATURE HT.
ILEX GLABRA 'SHAMROCK (INKBERRY HOLLY)	3'–4' MATURE HT.
LEUCOTHOE FONTANESIANA (DROOPING LEUCOTHOE)	3'–4' MATURE HT.
MUHLENBERGIA CAPILLARIS (PINK MUHKY GRASS)	3'–4' MATURE HT.

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

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AGNC BROKERAGE | CONSULTING | PLANNING

PEARCE FARM
PRELIMINARY PLAT PLANS
BURLINGTON MILLS ROAD
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP, WAKE COUNTY, NORTH CAROLINA

PSP-23-04

NORTH CAROLINA PROFESSIONAL LANDSCAPE ARCHITECT SARA RUNGE DONOVAN 2027 FOR PRELIMINARY NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	04. 01. 2024	REVISED PER TOWN COMMENTS

PLAN INFORMATION

PROJECT NO.	AGN23001
FILENAME	AGN23001-LS1
CHECKED BY	SRD
DRAWN BY	AAL
SCALE	NTS
DATE	12. 01. 2023

SHEET

LANDSCAPE CALCULATIONS AND DETAILS

L5.19

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PLANT SCHEDULE OVERALL

SYMBOL	CODE	QTY	COMMON NAME	BOTANICAL NAME	CAL	HEIGHT	REMARKS
CANOPY TREES							
	AFA	14	Freeman Maple	Acer freemanii 'Armstrong'	2.5"	12' min	Street Tree, Mature Height: 45'–70',Caliper Size: 35'–50'
	ARA	28	Autumn Blaze Red Maple	Acer rubrum 'Autumn Blaze'	2.5"	12' min	Street Tree, Mature Height: 40'–60', Caliper Size: 30'–50'
	ARR	36	Red Sunset Maple	Acer rubrum 'Red Sunset'	2.5"	12' min	Street Tree, Mature Height: 40'–50', Caliper Size: 30'–40'
	ARS	18	Summer Red Red Maple	Acer rubrum 'Summer Red'	2.5"	12' min	Street Tree, Mature Height: 35'–40', Mature Width: 20'–25'
	ASL	31	Legacy Sugar Maple	Acer saccharum 'Legacy'	2.5"	12' min	Street Tree, Mature Height: 40'–50', Caliper Size: 25'–35'
	BND	8	Duraheat River Birch	Betula nigra 'Duraheat'	2.5"	12' min	Street Tree, Mature Height: 30'–40', Caliper Size: 25'–35'
	CBE	18	European Hornbeam	Carpinus betulus	2.5"	12' min	Street Tree, Mature Height: 30'–40', Caliper Size: 20'–30'
	CIP	21	Pecan	Carya illinoinensis	2.5"	12' min	Street Tree, Mature Height: 70'–100', Caliper Size: 40'–75'
	CBS	23	Southern Catalpa	Catalpa bignoniodes	2.5"	12' min	Street Tree, Mature Height: 30'–60', Caliper Size: 20'–40'
	FGA	53	American Beech	Fagus grandifolia	2.5"	12' min	Street Tree, Mature Height: 50'–80', Caliper Size: 40'–80'
	FAW	10	White Ash	Fraxinus americana	2.5"	12' min	Street Tree, Mature Height: 60'–120', Caliper Size: 50'–75'
	FPG	4	Green Ash	Fraxinus pennsylvanica	2.5"	12' min	Street Tree, Mature Height: 50'–70', Caliper Size: 35'–50'
	GBA	41	Maidenhair Tree	Ginkgo biloba 'Autumn Gold' TM	2.5"	12' min	Street Tree, Mature Height: 40'–50', Caliper Size: 25'–30'
	LTT	50	Tulip Tree	Liriodendron tulipifera	2.5"	12' min	Street Tree, Mature Height: 40'–90', Caliper Size: 30'–50'
	NSS	65	Sour Gum	Nyssa sylvatica	2.5"	12' min	Street Tree, Mature Height: 30'–50', Caliper Size: 20'–30'
	PCC	10	Chinese Pistache	Pistacia chinensis	2.5"	12' min	Street Tree, Mature Height: 30'–35', Caliper Size: 20'–30'
	POA	21	American Sycamore	Platanus accidentalis	2.5"	12' min	Street Tree, Mature Height: 75'–100', Caliper Size: 75'–100'
	QAW	32	White Oak	Quercus alba	2.5"	12' min	Street Tree, Mature Height: 50'–80', Caliper Size: 50'–80'
	QCS	17	Scarlet Oak	Quercus coccinea	2.5"	12' min	Street Tree, Mature Height: 50'–80', Caliper Size: 45'–60'
	QLO	39	Overcup Oak	Quercus lyrata	2.5"	12' min	Street Tree, Mature Height: 40'–60', Caliper Size: 40'–60'
	QMB	19	Blackjack Oak	Quercus marilandica	2.5"	12' min	Street Tree, Mature Height: 30'–50', Caliper Size: 20'–40'
	QNN	24	Nuttall Oak	Quercus nuttallii	2.5"	12' min	Street Tree, Mature Height: 50'–80', Caliper Size: 40'–65'
	QPP	47	Pin Oak	Quercus palustris	2.5"	12' min	Street Tree, Mature Height: 50'–70', Caliper Size: 40'–60'
	QPW	37	Willow Oak	Quercus phellos	2.5"	12' min	Street Tree, Mature Height: 40'–75', Caliper Size: 25'–50'
	QSS	7	Shumard Red Oak	Quercus shumardii	2.5"	12' min	Street Tree, Mature Height: 40'–50', Caliper Size: 30'–40'
	QVS	25	Southern Live Oak	Quercus virginiana	2.5"	12' min	Street Tree, Mature Height: 40'–80', Caliper Size: 60'–100'
	TDB	40	Bald Cypress	Taxodium distichum	2.5"	12' min	Street Tree, Mature Height: 50'–70', Caliper Size: 20'–45'
	TCL	16	Littleleaf Linden	Tilia cordata	2.5"	12' min	Street Tree, Mature Height: 40'–50', Caliper Size: 20'–30'
	UAW	16	Winged Elm	Ulmus alata	2.5"	12' min	Street Tree, Mature Height: 20'–30', Caliper Size: 15'–20'
	UAP	34	American Elm	Ulmus americana 'Princeton'	2.5"	12' min	Street Tree, Mature Height: 50'–70', Caliper Size: 30'–50'
	UPB	11	Bosque Elm	Ulmus parvifolia 'Bosque'	2.5"	12' min	Street Tree, Mature Height: 40'–80', Caliper Size: 30'–50'
	ZSG	19	Sawleaf Zelkova	Zelkova serrata 'Green Vase'	2.5"	12' min	Street Tree, Mature Height: 60'–80', Caliper Size: 40'–50'
	ZSM	24	Myrimar Zelkova	Zelkova serrata 'Myrimar'	2.5"	12' min	Street Tree, Mature Height: 60'–80', Caliper Size: 40'–50'
EVERGREEN TREES							
	MGD	23	Southern Magnolia	Magnolia grandiflora 'D.D. Blanchard' TM	–	12' min	Street Tree, Mature Height: 50'–70', Mature Width: 20'–35'

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WAKE COUNTY, NORTH CAROLINA

PSP-23-04

NORTH CAROLINA
REGISTERED LANDSCAPE ARCHITECT
SHEA RUNGE DONOGHE
2027
PRELIMINARY
NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	
1	04. 01. 2024	REVISED PER TOWN COMMENTS

PLAN INFORMATION

PROJECT NO.	AGN23001
FILENAME	AGN23001-LS1
CHECKED BY	SRD
DRAWN BY	AAL
SCALE	NTS
DATE	12. 01. 2023

SHEET

LANDSCAPE SCHEDULE

L5.20

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

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