

CIVIL CONSTRUCTIONS PLANS for

JOHNSTON DRIVE PARKING LOT

207 JOHNSTON DRIVE
PINEVILLE, MECKLENBURG COUNTY, NORTH CAROLINA, 28134

UTILITY AND GOVERNING AGENCIES
CONTACT LIST:

WATER COMPANY

CHARLOTTE WATER
5100 BROOKSHIRE BOULEVARD
CHARLOTTE, NC 28216
(704)336-7600

FIRE MARSHAL

CHARLOTTE FIRE STATION #24
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CHARLOTTE, NC 28226
(704)336-8002

EROSION CONTROL

CHARLOTTE STORM WATER SERVICES
CHANELL HATCH
(980)505-5775
2145 SUTTLE AVE.
CHARLOTTE, NC 28208

DEPARTMENT OF TRANSPORTATION

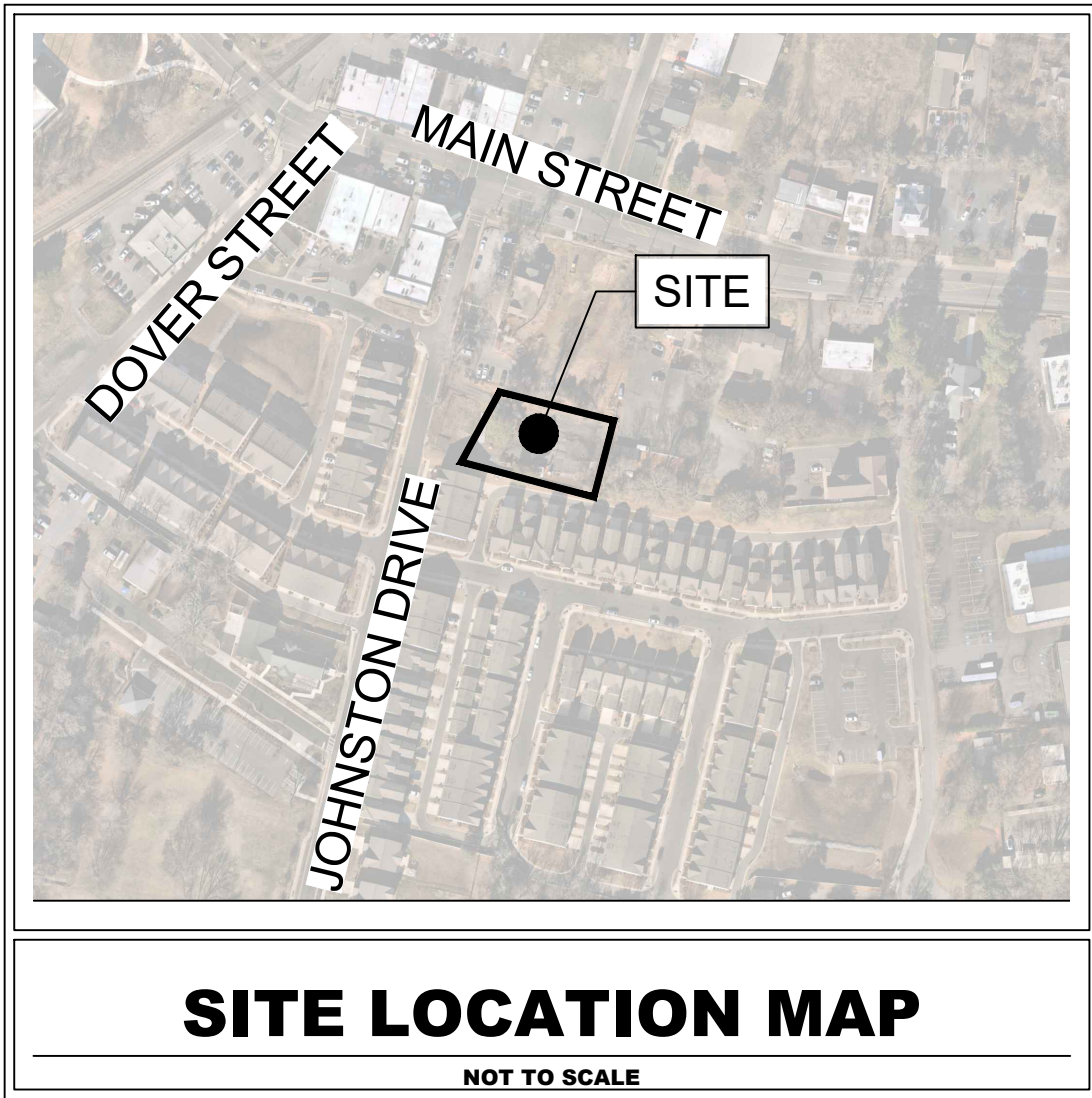
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
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TOWN OF PINEVILLE
TOWN MANAGER - RYAN PITZER
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KIMLEY-HORN SHALL HAVE NO LIABILITY WHATSOEVER FOR ANY COSTS ARISING OUT OF THE CLIENT'S DECISION TO OBTAIN BIDS OR PROCEED WITH CONSTRUCTION BEFORE KIMLEY-HORN HAS ISSUED FINAL, FULLY-APPROVED PLANS AND SPECIFICATIONS. THE CLIENT ACKNOWLEDGES THAT ALL PRELIMINARY PLANS ARE SUBJECT TO SUBSTANTIAL REVISION UNTIL PLANS ARE FULLY APPROVED AND ALL PERMITS OBTAINED.

NOTICE TO CONTRACTOR:

ALL WORK AND MATERIALS SHALL CONFORM TO THE MOST CURRENT STANDARDS AND SPECIFICATIONS AS PROVIDED IN THE:

PINEVILLE LAND DEVELOPMENT STANDARDS MANUAL
CHARLOTTE MECKLENBURG STORM WATER DESIGN MANUAL
NCDOT STANDARDS SPECIFICATIONS FOR ROADS AND STRUCTURES
OR THE MORE RESTRICTIVE OF ANY STANDARDS THAT CONFLICT.

PROJECT OWNER AND CONSULTANT INFORMATION

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200 DOVER STREET,
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CONTACT: TRAVIS MORGAN AICP

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200 SOUTH TRYON STREET
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(704) 333-5131

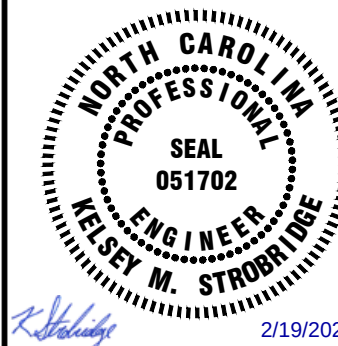
CONTACT: KELSEY TORRES, P.E.

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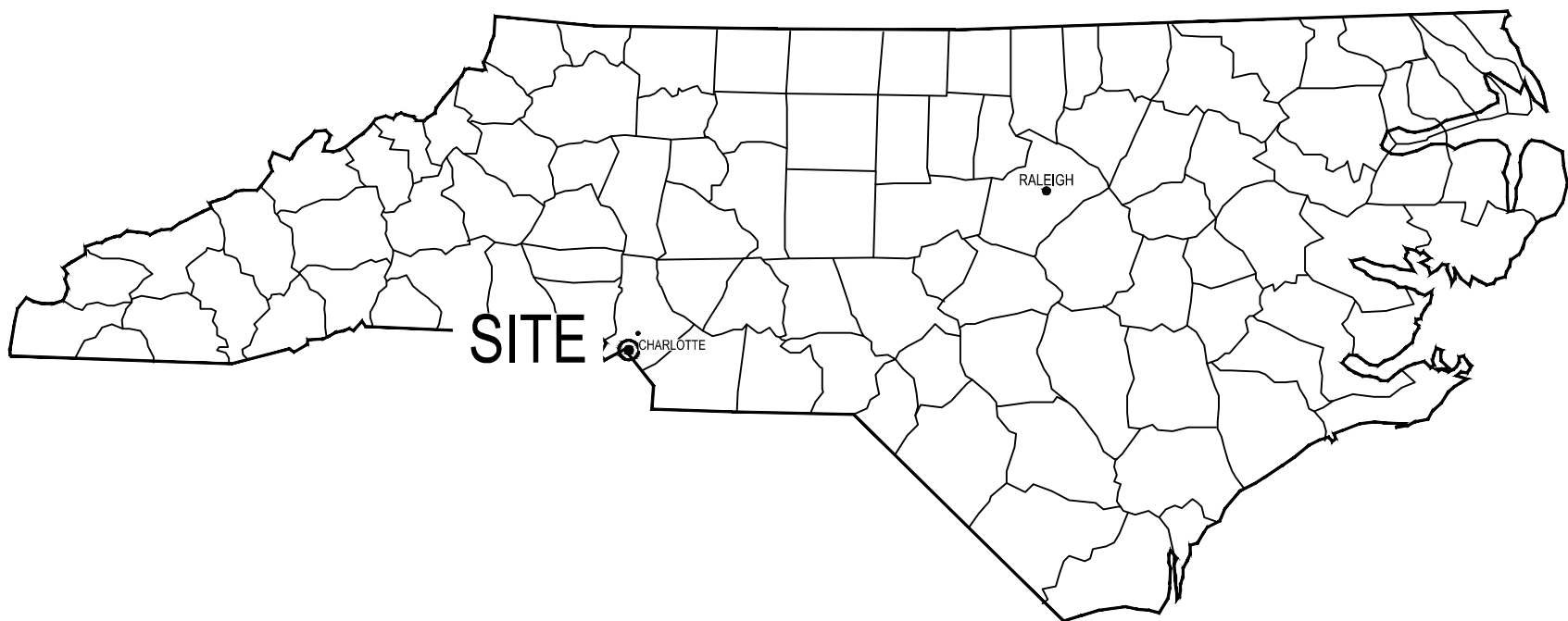


KH PROJECT 018036003	DATE 2/16/2026	SCALE AS SHOWN	DESIGNED BY TJR	DRAWN BY TJR	CHECKED BY KMS
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COVER SHEET

JOHNSTON DRIVE
PARKING LOT
PREPARED FOR
TOWN OF PINEVILLE

SHEET NUMBER
C001



GEOMETRIC
CONTROL
HORIZONTAL DATUM:
NAD 83 (2011)
VERTICAL DATUM:
NAVD 88
DRAWING UNITS:
U.S. SURVEY FEET



GENERAL NOTES

- ALL NECESSARY PERMITS ARE THE RESPONSIBILITY OF THE CONTRACTOR AND THE CONTRACTOR MUST OBTAIN ALL PERMITS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- THE CONTRACTOR MUST REVIEW AND MAINTAIN A COPY OF PERMITS COMPLETE WITH ALL CONDITIONS, ATTACHMENTS, EXHIBITS, AND COMMENTS IN GOOD CONDITION AT THE CONSTRUCTION SITE. THE COMPLETE PERMIT MUST BE AVAILABLE FOR REVIEW UPON REQUEST BY REGULATORY AGENCY REPRESENTATIVES.
- THE CONTRACTOR SHALL PROTECT ALL MONUMENTS, IRON PINS, AND PROPERTY CORNERS DURING CONSTRUCTION.
- CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.
- SITE BOUNDARY, TOPOGRAPHY, UTILITY AND ROAD INFORMATION TAKEN FROM A SURVEY BY RB PHARR. ALL INFORMATION IS TO BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS DURING CONSTRUCTION.
- THE CONTRACTOR AND SUBCONTRACTORS SHALL OBTAIN A COPY OF THE STATE DEPARTMENT OF TRANSPORTATION STRUCTURE STANDARDS AND REGULATIONS (LATEST EDITION) AND BECOME FAMILIAR WITH THE CONTENTS PRIOR TO COMMENCING WORK, AND, UNLESS OTHERWISE NOTED, ALL WORK SHALL CONFORM AS APPLICABLE TO THESE STANDARDS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE APPROVING AUTHORITIES, SPECIFICATIONS AND REQUIREMENTS. CONTRACTOR SHALL CLEAR AND GRUB ALL AREAS UNLESS OTHERWISE INDICATED, REMOVING TREES, STUMPS, ROOTS, MUCK, EXISTING PAVEMENT AND ALL OTHER DELETERIOUS MATERIAL.
- ALL WORK AND MATERIALS SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS AND CODES AND O.S.H. STANDARDS. IN THE EVENT THE REGULATIONS DO NOT AGREE, THE MOST STRINGENT SHALL GOVERN.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS, INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, STORM DRAINAGE, SIGNS, ETC. AS REQUIRED, ALL WORK SHALL BE IN ACCORDANCE WITH THE AUTHORITY HAVING JURISDICTIONS SPECIFICATIONS AND SHALL BE APPROVED BY SUCH. ALL COST SHALL BE INCLUDED IN BASE BID. AREAS TO BE DISTURBED SHALL BE IMPROVED PER THE CIVIL PLANS OR RESTORED TO THEIR ORIGINAL OR BETTER CONDITION. CONTRACTOR SHALL REPAIR ANY EXISTING FEATURES THAT ARE DAMAGED DURING CONSTRUCTION TO THE EXISTING OR BETTER CONDITION.
- THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE, AT ALL TIMES, ONE COPY OF THE CONSTRUCTION DOCUMENTS INCLUDING PLANS, SPECIFICATIONS, GEOTECHNICAL REPORT AND SPECIAL CONDITIONS AND COPIES OF ANY REQUIRED CONSTRUCTION PERMITS.
- ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE OWNER AND NOTIFICATION TO THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK THAT WOULD BE AFFECTED. FAILURE TO NOTIFY OWNER OF AN IDENTIFIABLE CONFLICT PRIOR TO PROCEEDING WITH INSTALLATION RELIEVES OWNER OF ANY OBLIGATION TO PAY FOR A RELATED CHANGE ORDER.
- ALL WELLS DISCOVERED ON SITE THAT WILL HAVE NO USE MUST BE PLUGGED BY A LICENSED WELL DRILLING CONTRACTOR IN A MANNER APPROVED BY ALL JURISDICTIONAL AGENCIES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY WELL ABANDONMENT PERMITS REQUIRED. ANY WELL DISCOVERED DURING CONSTRUCTION SHALL BE IMMEDIATELY REPORTED TO THE APPROPRIATE JURISDICTIONAL AGENCIES WITHIN 24 HOURS AFTER DISCOVERY IS MADE.
- TRAFFIC CONTROL ON ALL STATE, LOCAL, AND COUNTY RIGHTS-OF-WAY SHALL MEET THE REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (U.S. DOT/FHA) AND THE REQUIREMENTS OF THE STATE AND ANY LOCAL AGENCY HAVING JURISDICTION. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.

CONSTRUCTION TESTING

- IT IS THE CONTRACTORS RESPONSIBILITY TO OBTAIN ALL TESTS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
- DETERMINED BY THE OWNER, THE CONTRACTOR SHALL PROVIDE ADDITIONAL CONSTRUCTION TESTING. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER FOR REQUIRED CONSTRUCTION TESTING.
- TESTING OF MATERIALS REQUIRED FOR THE CONSTRUCTION OF THE PAVING IMPROVEMENTS SHALL BE PERFORMED BY AN APPROVED AGENCY FOR TESTING MATERIALS. THE TESTING LABORATORY AND TESTING OF SUCH TESTING SERVICES SHALL BE MADE BY THE OWNER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SHOW BY STANDARD TESTING PROCEDURES THAT THE WORK CONSTRUCTED DOES MEET THE REQUIREMENTS OF THE SPECIFICATIONS.
- ALL COPS OF COMPACTION, CONCRETE AND OTHER REQUIRED TEST RESULTS ARE TO BE SENT TO THE OWNER AND ENGINEER IMMEDIATELY AFTER THE TESTING AGENCY.
- EACH BACKFLOW PREVENTION ASSEMBLY IS REQUIRED TO BE TESTED BY JURISDICTIONALLY-APPROVED CERTIFIED TESTER PRIOR TO PLACING THE WATER SYSTEM IN SERVICE.

AS-BUILT/RECORD DRAWINGS

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING AND MAINTAINING AS-BUILT INFORMATION WHICH SHALL BE RECORDED AS CONSTRUCTION PROGRESSES OR AT THE COMPLETION OF APPROPRIATE CONSTRUCTION INTERVALS AND SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT DRAWINGS TO THE OWNER FOR THE PURPOSE OF CERTIFICATION TO JURISDICTIONAL AGENCIES AS REQUIRED. ALL AS-BUILT DATA SHALL BE COLLECTED BY A PROFESSIONAL LAND SURVEYOR LICENSED IN THE PROJECT STATE WHOSE SERVICES ARE ENGAGED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING TO THE ENGINEER A CERTIFIED RECORD SURVEY SEALED BY A PROFESSIONAL LAND SURVEYOR LICENSED IN THE PROJECT STATE DEPICTING THE ACTUAL FIELD LOCATION OF ALL CONSTRUCTED IMPROVEMENTS. THE RECORD DRAWINGS SHALL BE PREPARED TO THE SAME LEVEL OF DETAILS AS PROVIDED ON THE DESIGN DRAWINGS.
- THE CONTRACTOR SHALL PROVIDE TO THE ENGINEER AND OWNER RECORD DRAWINGS IN BOTH PDF AND AUTOCAD FORMAT FOR ALL PAVING, GRADING, AND STORMWATER BMPS, AND STORMWATER DRAINAGE PIPES AND STRUCTURES AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
- THE CONTRACTOR SHALL PROVIDE A SEPARATE UTILITY RECORD DRAWING IN AUTOCAD AND PDF FORMAT. THE RECORD DRAWINGS SHALL VERIFY ALL DESIGN INFORMATION INCLUDED ON THE DESIGN PLANS.
- IN ADDITION TO THE OWNER AND ENGINEER REQUIRED SURVEYS, THE CONTRACTOR SHALL PROVIDE ADDITIONAL RECORD DRAWINGS AND AS-BUILT INFORMATION AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.

GENERAL ACCESSIBILITY NOTES

- THE CONTRACTOR SHALL REVIEW ALL APPLICABLE STATE AND LOCAL GUIDELINES AS THEY APPLY TO THE ACCESSIBILITY AND SIGNAGE.
- ALL CONSTRUCTION SHALL BE VERIFIED BY THE CONTRACTOR TO BE IN COMPLIANCE WITH LOCALLY ADOPTED ACCESSIBILITY REGULATIONS. ANYTHING FOUND NOT IN COMPLIANCE SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
- THE PROPOSED IMPROVEMENTS SHALL BE CONSTRUCTED COMPLIANT WITH THE LATEST EDITION OF THE ADA STANDARDS FOR ACCESSIBLE DESIGN AS PUBLISHED BY THE DEPARTMENT OF JUSTICE, UNLESS AND EXCEPT IN AREAS WHERE AN APPROVED STATEMENT FROM A SITE ENGINEER, SURVEYOR, OR ARCHITECT VERIFIES THAT SITE CONDITIONS JUSTIFY WHERE THE TOPOGRAPHY OF THE SITE IS EXTREME AND ONLY ALTERNATE METHODS OF COMPLIANCE ARE POSSIBLE.
- CURB RAMPS ALONG PUBLIC STREETS AND IN THE PUBLIC RIGHT-OF-WAY SHALL BE CONSTRUCTED BASED ON THE CITY STANDARD CONSTRUCTION DETAILS AND SPECIFICATIONS.
- PRIVATE CURB RAMPS ON THE CITY OUTSIDE PUBLIC RIGHT-OF-WAY SHALL CONFORM TO THE ADA STANDARDS FOR ACCESSIBLE DESIGN AND SHALL HAVE A DETECTABLE WARNING SURFACE THAT IS FULL WIDTH OF THE CURB RAMP, NOT INCLUDING FLARES.
- ALL ACCESSIBLE ROUTES, GENERAL SITE AND BUILDING ELEMENTS, RAMPS, CURB RAMPS, STRIPING, AND PAVEMENT MARKINGS SHALL CONFORM TO ADA STANDARDS FOR ACCESSIBLE DESIGN, LATEST EDITION.
- BEFORE PLACING PAVEMENT, CONTRACTOR SHALL VERIFY THAT SUITABLE ACCESSIBLE PEDESTRIAN ROUTES (PER ADA AND FHA) EXIST TO AND FROM EVERY DOOR AND ALONG SIDEWALKS, ACCESSIBLE PARKING SPACES, ACCESS AISLES, AND ACCESSIBLE ROUTES. IN NO CASE SHALL AN ACCESSIBLE RAMP SLOPE EXCEED 1 VERTICAL TO 12 HORIZONTAL. IN NO CASE SHALL SIDEWALK CROSS SLOPE EXCEED 2.0 PERCENT. IN NO CASE SHALL LONGITUDINAL SIDEWALK SLOPE EXCEED 5.0 PERCENT. ACCESSIBLE PARKING SPACES AND ACCESS AISLES SHALL NOT EXCEED 2.0 PERCENT SLOPE IN ANY DIRECTION.
- CONTRACTOR SHALL TAKE FIELD SLOPE MEASUREMENTS ON FINISHED SUBGRADE AND FORM BOARDS PRIOR TO PLACING PAVEMENT TO VERIFY THAT ACCESSIBLE SLOPE REQUIREMENTS ARE PROVIDED. CONTRACTOR SHALL CONTACT ENGINEER PRIOR TO PAYING IF ANY EXCESSIVE SLOPES ARE ENCOUNTERED. NO CONTRACTOR CHANGE ORDERS WILL BE ACCEPTED FOR ADA COMPLIANCE ISSUES.
- ANY COMPONENTS OF THE PROJECT SERVING MULTIFAMILY DWELLINGS IN BUILDINGS THAT HAVE 4 OR MORE UNITS PER DWELLING SHALL ALSO CONFORM TO THE FAIR HOUSING ACT (FHA), AND COMPLY WITH THE FAIR HOUSING ACT DESIGN MANUAL BY THE US DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT.

TOWN OF PINEVILLE GENERAL NOTES

- THE PROPERTY OWNER, BUILDER, CONTRACTOR, AND ANY DELEGATED REPRESENTATIVES FOR THE PROJECT SHALL BE FAMILIAR WITH AND RESPONSIBLE FOR ADHERING TO ALL TOWN OF PINEVILLE STANDARDS.
- ALL WORK AND MATERIALS SHALL CONFORM TO THE LATEST EDITION OF THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES AND THE PINEVILLE LAND DEVELOPMENT STANDARDS MANUAL (PLDSM).
- CONCRETE SIDEWALK SHALL BE PLACED ON A BASE OF 6" ABC STONE COMPACTED TO 95% OF THE MAXIMUM DENSITY OBTAINABLE WITH THE STANDARD PROCTOR TEST, OR, PLACED ON SUBGRADE COMPACTED TO 95% OF THE DENSITY WITH GEGRID 1100 MAT. REFERENCE TOWN STANDARD DETAIL 10.22.
- ACCESSIBLE RAMPS SHALL BE INSTALLED WHERE SIDEWALKS INTERSECT CURBING AT ANY STREET INTERSECTION AND AT CURBED DRIVEWAY CONNECTIONS. ALL RAMPS AND SIDEWALKS SHALL BE CONSTRUCTED TO MEET THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA) AND PUBLIC RIGHT-OF-WAY ACCESSIBILITY GUIDELINES (PROVAG).
- CONCRETE CURB SHALL BE PLACED ON 4" ASPHALT CONCRETE BASE COURSE TYPE B25.08, OR 6 INCH ABC STONE COMPACTED TO 100% DENSITY. TOP 6 INCH SUBGRADE SHALL BE COMPACTED TO 100%. THE ASPHALT OR STONE BASE SHALL EXTEND 12 INCHES IN FRONT AN DBACK OF CURB AND GUTTER SECTION. REFERENCE TOWN STANDARD TYPICAL STREET SECTION DETAILS 10.01 THROUGH 10.10C, AND STANDARD DETAILS 10.17A AND 10.17B.
- PAVEMENT CUTS SHALL BE SAW CUT WITH SQUARE AND SMOOTH EDGES. BACKFILL DEPTH FOR FULL DEPTH ASPHALT PAVEMENT REPAIRS SHALL BE MINIMUM 9 INCHES TOTAL BELOW FINISHED PAVEMENT GRADE ON THROUGHFARE AND INDUSTRIAL STREETS AND 6 INCHES ON BUSINESS AND RESIDENTIAL STREETS. COMPACTION FOR PAVEMENT REPAIRS SHALL BE 92% FOR ASPHALT AND 95% FOR SUBGRADE.
- ASPHALT REPAIRS WITH LONGITUDINAL SEAMS EVIDENT IN THE TIRE TRAVEL AREA SHALL NOT BE ALLOWED. LONGITUDINAL SEAMS LOCATED WITHIN THE TIRE TRAVEL AREA SHALL REQUIRE A REPAIR OF MINIMUM 1 1/2 INCH MILL AND SURFACE COURSE OVERLAY TO COVER THE SEAM.
- THE CONTRACTOR SHALL SCHEDULE AN ONSITE INSPECTION WITH THE TOWN PUBLIC WORKS DIRECTOR (704-885-1467) AT LEAST 48 HOURS IN ADVANCE OF ANY STREET PAVEMENT REPAIR OR CONCRETE POUR FOR SIDEWALK, ACCESSIBLE RAMP, OR DRIVEWAY APRON. FAILURE TO SCHEDULE AN INSPECTION MAY RESULT IN REJECTION OF THE WORK.
- ALL EROSION CONTROL MEASURES SHALL CONFORM TO THE STANDARDS SET FORTH IN THE PINEVILLE LAND DEVELOPMENT STANDARDS MANUAL, THE NORTH CAROLINA EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN, OR THE MORE RESTRICTIVE OF ANY STANDARDS THAT MAY CONFLICT.
- ALL STORM DRAINAGE DESIGN SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS AS PROVIDED IN THE CHARLOTTE-MECKLENBURG STORM WATER DESIGN MANUAL, PINEVILLE LAND DEVELOPMENT STANDARDS MANUAL, OR THE MORE RESTRICTIVE OF ANY STANDARDS THAT MAY CONFLICT.
- IN AREAS WHERE THE FLOODWAY REGULATIONS ARE APPLICABLE, THE FEMA FLOOD FRINGE LINE AND FEMA ENCROACHMENT LINE SHALL BE SHOWN ON THE PRELIMINARY PLAN AND THE FINAL PLAT. AN APPLICATION FOR A FLOODPLAIN DEVELOPMENT PERMIT SHALL BE SUBMITTED TO THE FLOODPLAIN ADMINISTRATOR IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH IN THE TOWNS REGULATIONS.
- STANDARD DETAIL NUMBERS FOR ANY STRUCTURES OR SPECIFICS USED WITHIN THE PLANS SHALL REFERENCE THE MOST CURRENT EDITION OF THE PINEVILLE LAND DEVELOPMENT STANDARDS MANUAL.

STORMWATER NOTES

- REFER TO GENERAL UTILITY NOTES FOR ADDITIONAL REQUIREMENTS PERTAINING TO UNDERGROUND UTILITY AND STORMWATER PIPE INSTALLATION.
- ALL NECESSARY PERMITS ARE THE RESPONSIBILITY OF THE CONTRACTOR AND THE CONTRACTOR MUST OBTAIN ALL PERMITS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- PIPE LENGTHS, GRADES, ELEVATIONS AND LOCATIONS SHOWN ARE APPROXIMATE ONLY, AS DIRECTED BY THE ENGINEER. THEY MAY BE ADJUSTED TO ACCOMMODATE UNFORESEEN CONDITIONS.
- ALL STORM PIPE INSTALLED SHALL BE CLASS III RCP, UNLESS SPECIFICALLY NOTED OTHERWISE. EXISTING STORMWATER PIPE MATERIALS, MODIFIED, DAMAGED OR DEFORMED, ETC. SHALL NOT BE REUSED UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.
- ALL PIPES SHALL BE LAID ON STRAIGHT ALIGNMENT AND EVEN GRADES USING A PIPE LASER OR OTHER ACCURATE METHOD.
- ALL PIPES SHALL BE BEDDED PER MANUFACTURER'S RECOMMENDATIONS.
- ALL DRAINAGE STRUCTURES SHALL BE CONSTRUCTED WITH (4) SIZED BEARING HEAVY DUTY H-20 RATED TRAFFIC RIMS AND GRATES.
- ALL CLEANOUT COVERS WITHIN THE PAVEMENT SECTIONS SHALL BE RATED FOR HEAVY DUTY TRAFFIC (H-20 RATED).
- WEEPHOLES ARE TO BE CONSTRUCTED IN ALL DRAINAGE STRUCTURES. A MINIMUM OF 1/3 WEEPHOLE PER STRUCTURE. WEEPHOLES ARE TO BE CONSTRUCTED IN THE BOTTOM 1/3 OF STRUCTURE AND COVERED ON THE OUTSIDE OF THE STRUCTURE BY A BAG MADE OF FILTER FABRIC AND FILLED WITH #76 STONE.
- CONTRACTOR SHALL PROVIDE CATCH BASIN INLET PROTECTION ON ALL EXISTING AND NEW DRAINAGE INLETS WITHIN THE PROJECT. ALL DRAINAGE STRUCTURES SHALL BE CLEANED OF DEBRIS AS REQUIRED DURING AND AT THE END OF CONSTRUCTION TO PROVIDE POSITIVE DRAINAGE FLOWS.
- THE CONTRACTOR SHALL INSTALL ALL UNDERGROUND STORM WATER PIPING PER MANUFACTURER'S RECOMMENDATIONS.
- GRADE ALL AREAS TO MAINTAIN POSITIVE SLOPE AWAY FROM BUILDING.
- CONTRACTOR SHALL PROVIDE SMOOTH TRANSITION BETWEEN PROPOSED PAVEMENT AND EXISTING PAVEMENT AND STORM STRUCTURES.
- DURING CONSTRUCTION AND AFTER FINAL GRADING, NO SURFACE WATER RUNOFF MAY BE DIRECTED TO ADJACENT PROPERTIES, AND ALL SURFACE WATER RUNOFF MUST BE ROUTED TO APPROVED DRAINAGE FACILITIES OR BE RETAINED ON SITE. ALL RUNOFF FROM THE SITE, BOTH DURING AND AFTER CONSTRUCTION, MUST BE FREE OF POLLUTANTS, INCLUDING SEDIMENT, PRIOR TO DISCHARGE.

GENERAL DEMOLITION NOTES

- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR DEMOLITION AND DISPOSAL. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ANY PERMITS AND PAY FEES REQUIRED FOR DEMOLITION AND HAUL-OFF FROM THE APPROPRIATE AUTHORITIES. THESE FEES SHALL BE INCLUDED WITH THE BID. THE CONTRACTOR SHALL PREPARE ALL DOCUMENTS AND ACQUIRE APPROPRIATE PERMITS AS REQUIRED PRIOR TO THE DEMOLITION.
- DEMOLITION AS DEPICTED ON THE DEMOLITION PLAN IS INTENDED TO DESCRIBE GENERAL DEMOLITION AND UTILITY WORK. IT IS NOT INTENDED TO IDENTIFY EACH ELEMENT OF DEMOLITION OR RELOCATION. CONTRACTOR SHALL COORDINATE WITH THE OWNER AND APPROPRIATE UTILITY COMPANY PRIOR TO WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION, REMOVAL, AND LAWFUL DISPOSAL OF ALL STRUCTURES, PAVING, UTILITIES, ETC., SUCH THAT THE IMPROVEMENTS SHOWN ON THE PLANS CAN BE CONSTRUCTED. ALL FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL AS NECESSARY.
- ASBESTOS OR ANY OTHER HAZARDOUS MATERIAL, IF FOUND ON SITE, SHALL BE REMOVED BY A LICENSED HAZARDOUS MATERIAL CONTRACTOR ONLY AFTER NOTIFICATION OF THE ENGINEER AND AUTHORIZATION TO PROCEED IS GIVEN BY THE OWNER.
- THE CONTRACTOR SHALL PUMP OUT BUILDING FUEL AND WASTE OIL TANKS (IF ANY ARE ENCOUNTERED) AND REMOVE FUEL TO AN APPROVED DISPOSAL AREA BY AN APPROPRIATELY LICENSED WASTE OIL HANDLING CONTRACTOR IN STRICT ACCORDANCE WITH FEDERAL AND STATE REQUIREMENTS ONLY AFTER NOTIFICATION OF THE ENGINEER AND AUTHORIZATION TO PROCEED IS GIVEN BY THE OWNER.
- THE CONTRACTOR SHALL MAINTAIN ALL UTILITY SERVICES TO ALL EXISTING FACILITIES AND OUTLOTS AT ALL TIMES. UTILITY SERVICES SHALL NOT BE INTERRUPTED WITHOUT APPROVAL FROM THE SERVICE PROVIDERS AND COORDINATION THROUGH THE PROPERTY OWNERS. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES TO REMAIN IN PLACE.
- THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF UTILITIES. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY CONCERNING PORTIONS OF WORK WHICH MAY BE PERFORMED BY THE UTILITY COMPANY'S FORCES AND ANY FEES WHICH ARE TO BE PAID TO THE UTILITY COMPANY FOR THEIR SERVICES. THE CONTRACTOR IS RESPONSIBLE FOR PAYING ALL FEES AND CHARGES.
- THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THIS PLAN HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. THE ITEMS SHOWN ARE NOT TO BE INTERPRETED AS THE EXACT LOCATION, OR AS THE ONLY OBSTACLES THAT MAY OCCUR ON THE SITE. VERIFY EXISTING CONDITIONS AND PROCEED WITH CAUTION AGAINST ANY ANTICIPATED PESTERIES. PRIOR TO THE START OF ANY DEMOLITION ACTIVITY, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES FOR ONSITE LOCATIONS OF EXISTING UTILITIES.
- ELECTRICAL, TELEPHONE, CABLE, WATER, FIBER OPTIC CABLE AND/OR GAS LINES NEEDING TO BE REMOVED OR RELOCATED SHALL BE COORDINATED WITH THE AFFECTED UTILITY COMPANY. ADEQUATE TIME SHALL BE PROVIDED FOR RELOCATION AND CLOSE COORDINATION WITH THE UTILITY COMPANY. IT IS NECESSARY TO PROVIDE A SMOOTH TRANSITION IN UTILITY SERVICE. CONTRACTOR SHALL PAY CLOSE ATTENTION TO EXISTING UTILITIES WITHIN ANY ROAD RIGHT OF WAY DURING CONSTRUCTION.
- SHOULD ANY UNCHARTED OR INCORRECTLY CHARTED EXISTING PIPING OR OTHER UTILITY BE UNCOVERED DURING EXCAVATION, CONTRACTOR SHALL CONSULT THE ENGINEER AND OWNER IMMEDIATELY FOR DIRECTIONS BEFORE PROCEEDING FURTHER WITH WORK IN THIS AREA.
- CONTRACTOR MUST PROTECT THE PUBLIC AT ALL TIMES WITH FENCING, BARRICADES, ENCLOSURES, ETC. (AND OTHER APPROPRIATE BEST MANAGEMENT PRACTICES) AS APPROVED BY THE OWNER.
- CONTINUOUS ACCESS SHALL BE MAINTAINED FOR THE SURROUNDING BUSINESSES AND PROPERTIES AT ALL TIMES DURING DEMOLITION OF THE EXISTING IMPROVEMENTS. DURING CONSTRUCTION OF THE PROPOSED IMPROVEMENTS, CONTRACTOR SHALL COORDINATE WITH THE OWNER(S) LEASE(S) PRIOR TO ANY CONSTRUCTION TO ESTABLISH CUSTOMER ACCESS AND TRAFFIC FLOW DURING ALL PHASES.
- SHOULD CONSTRUCTION ACTIVITIES DAMAGE EXISTING FEATURES, THE CONTRACTOR SHALL REPLACE THE FEATURES WITH NEW MATERIALS. DAMAGE TO ANY EXISTING CONDITIONS TO REMAIN WILL BE REPLACED AT CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO AVOID UNNECESSARY DAMAGE TO EXISTING ROAD SURFACES. FINISHED SURFACES TO BE REMOVED OR DEMOLISHED SHALL BE CUT ALONG LINES OF JOINTS WHICH WILL PERMIT THE SURFACE TO BE REPAIRED. SAW CUT AT INTERFACE OF PAVEMENT OR CURB TO REMAIN. SAW CUT EXISTING PAVEMENT AT THE RIGHT-OF-WAY. SAW CUTS SHALL BE MADE FULL DEPTH THROUGH THE EXISTING PAVEMENT. DISCARDED PAVEMENT SHALL BE REMOVED WITHOUT UNDERMINING THE EXISTING PAVEMENT. IF ANY DAMAGE IS INCURRED ON ANY OF THE SURROUNDING AREAS, ETC., THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS REMOVAL AND REPAIR.
- CONTRACTOR SHALL MAINTAIN ALL EXISTING PARKING, SIDEWALKS, DRIVES, ETC. CLEAR AND FREE FROM ANY CONSTRUCTION ACTIVITY AND/OR MATERIAL TO ENSURE EASY AND SAFE PEDESTRIAN AND VEHICULAR TRAFFIC TO AND FROM THE SITE. CONTRACTOR SHALL COORDINATE EACH PHASE ALL CONSTRUCTION ACTIVITY WITHIN PROXIMITY OF THE BUILDING AND UTILITY INTERRUPTIONS WITH THE PROPERTY OWNERS AND UTILITY PROVIDERS TO MINIMIZE DISTURBANCE AND INCONVENIENCE.
- ALL EXISTING ITEMS TO REMAIN WHICH ARE DAMAGED DURING CONSTRUCTION SHALL BE RESTORED TO ITS ORIGINAL CONDITION FORMERLY SHOWN ON THE CONTRACTOR'S PLAN.
- ANY WATER WELLS ENCOUNTERED ARE TO BE BROUGHT TO THE PROJECT ENGINEER'S ATTENTION IMMEDIATELY AND PROPERLY ABANDONED BY A LICENSED WELL DRILLER.
- ANY SEPTIC SYSTEMS ENCOUNTERED SHALL BE BROUGHT TO THE PROJECT ENGINEER'S ATTENTION IMMEDIATELY AND SHALL BE PROPERLY DEMOLISHED.
- ALL MONITORING WELLS ENCOUNTERED ARE TO BE BROUGHT TO THE PROJECT ENGINEER'S ATTENTION IMMEDIATELY AND SHALL BE PROPERLY PROTECTED UNLESS OTHERWISE NOTED.

GENERAL PAVING NOTES

- CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE. CONTRACTOR SHALL PROVIDE SMOOTH TRANSITION BETWEEN PROPOSED PAVEMENT, EXISTING PAVEMENT AND ANY STRUCTURES.
- THE PROPOSED SPOOT ELEVATIONS SHOWN ARE FINISHED ELEVATIONS INCLUDING ASPHALT AND CONCRETE. REFER TO PAVEMENT SECTIONS AND CURB DETAILS TO ESTABLISH CORRECT SUBBASE OR AGGREGATE BASE COURSE ELEVATIONS TO BE COMPLETED UNDER THIS CONTRACT.
- ALL AREAS INDICATED AS PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TYPICAL PAVEMENT SECTIONS AS INDICATED ON THE DRAWINGS. CONTRACTOR SHALL REVIEW THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER PRIOR TO PAVING.
- WHERE EXISTING PAVEMENT IS INDICATED TO BE REMOVED AND REPLACED, THE CONTRACTOR SHALL SAW CUT A MINIMUM 2" DEEP FOR A SMOOTH AND STRAIGHT JOINT AND REPLACE THE PAVEMENT WITH THE SAME TYPE AND DEPTH OF MATERIAL AS EXISTING OR AS INDICATED.
- ALL PAVING, CONSTRUCTION, MATERIALS, AND WORKMANSHIP WITHIN JURISDICTIONAL RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH LOCAL OR COUNTY SPECIFICATIONS AND STANDARDS (LATEST EDITION) OR STATE DEPT. OF TRANSPORTATION SPECIFICATIONS AND STANDARDS (LATEST EDITION) IF NOT COVERED BY LOCAL OR COUNTY REGULATIONS.
- ALL ON-SITE STRIPING IS TO BE PAINTED, UNLESS OTHERWISE NOTED. ALL STRIPING IN PUBLIC RIGHT-OF-WAY TO BE THERMOPLASTIC STRIPING.
- TRANSVERSE EXPANSION JOINTS ARE TO BE PROVIDED IN CONCRETE SIDEWALKS AND COMBINED WALKS/CURBS WHERE SHOWN AND AT INTERVALS NOT TO EXCEED 12 X THE WIDTH OF THE WALK.
- EXPANSION JOINTS SHALL BE INSTALLED IN CONCRETE PAVEMENTS AND WALKS AT ALL LOCATIONS WHERE PAVEMENTS AND WALKS ABUT A VERTICAL SURFACE SUCH AS A CURB, WALL, COLUMN, ETC.
- CONTRACTION JOINTS SHALL BE PROVIDED AT EQUAL INTERVALS BETWEEN EXPANSION JOINTS IN CONCRETE WALKS. INSTALL CONTRACTION JOINTS AS SHOWN BUT IN NO CASE AT INTERVALS GREATER THAN 1.5 X THE WIDTH OF THE WALK.
- CONTRACTOR SHALL COORDINATE PAVING IMPROVEMENTS TO AVOID TIRE MARKS FROM CONSTRUCTION ACTIVITY. FINAL PAVING SHALL BE AS SMOOTH AS POSSIBLE AND FREE FROM ANY CRACKS, SPALLS, OR OTHER DEFECTS CAUSED DURING CONSTRUCTION.
- ALL NEW CONCRETE SHALL BE DOWELED INTO ALL EXISTING CONCRETE PAVING, SIDEWALKS, CURB, ETC.) ALL STRUCTURES SHALL BE ADJUSTED AS NECESSARY TO BE FLUSH WITH FINAL PAVEMENT.

GENERAL UTILITY NOTES

- CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR OBTAINING AN ENCROACHMENT AGREEMENT PERMIT, AS REQUIRED, TO CONSTRUCT UTILITY CONNECTIONS.
- ANY WELLS DISCOVERED ON SITE THAT WILL HAVE NO USE MUST BE PLUGGED BY A LICENSED WELL DRILLING CONTRACTOR IN A MANNER APPROVED BY ALL JURISDICTIONAL AGENCIES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY WELL ABANDONMENT PERMITS REQUIRED.
- REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING PLANS FOR CONTINUATION OF UTILITIES WITHIN 5 FEET OF STRUCTURES.
- THE CONTRACTOR IS RESPONSIBLE FOR HORIZONTALLY AND VERTICALLY LOCATING AND PROTECTING ALL PUBLIC OR PRIVATE UTILITIES (SHOWN OR NOT SHOWN) WHICH LIE IN OR ADJACENT TO THE CONSTRUCTION SITE. AT LEAST 72 HOURS PRIOR TO ANY DEMOLITION, GRADING, OR CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL CONTACT 811 FOR THE IDENTIFICATION OF EXISTING UTILITIES WITHIN THE SITE.
- EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF THE TOPOGRAPHIC SURVEY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE ENGINEER. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ENTIRELY ACCURATE. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTORS RESPONSIBILITY AND SHALL BE DONE BEFORE COMMENCING ANY WORK IN THE VICINITY. FURTHERMORE, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE OWNER OR ENGINEER WILL ASSUME NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES, NOR FOR TEMPORARY BRACING AND SHORINGS OF SAME. IF IT IS NECESSARY TO SHORE, BRACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH WORK.
- SHOULD ANY UNCHARTED OR INCORRECTLY CHARTED UTILITIES BE ENCOUNTERED, THE CONTRACTOR SHALL CONTACT THE OWNER IMMEDIATELY FOR DIRECTIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES DURING CONSTRUCTION. AT LEAST 72 HOURS PRIOR TO ANY DEMOLITION, GRADING, OR CONSTRUCTION ACTIVITY THE CONTRACTOR SHALL NOTIFY THE UTILITY PROVIDER FOR PROPER IDENTIFICATION OF EXISTING UTILITIES WITHIN THE PROJECT SITE. THE CONTRACTOR SHALL COORDINATE ANY INTERRUPTION OF UTILITY SERVICE WITH OWNER(S) AND RESPECTIVE UTILITY COMPANY REPRESENTATIVE.
- CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITIES INSPECTORS 72 HOURS BEFORE BEGINNING TO ANY EXISTING LINE.
- CONTRACTOR SHALL SAW CUT, REMOVE, AND REPLACE ASPHALT PAVEMENT AS NECESSARY TO INSTALL UNDERGROUND ELECTRIC, TELEPHONE, SEWER, WATER, AND COMMUNICATION CONDUITS/PAVEMENTS, WALKS, CURBS AND OTHER SURFACE IMPROVEMENTS REQUIRING REMOVAL FOR INSTALLATION OF UNDERGROUND UTILITIES SHALL BE RESTORED TO THEIR PRESENT CONDITION UNLESS OTHERWISE SHOWN.
- ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH LOCAL POWER COMPANY STANDARDS.
- CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND SPECIFICATIONS CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES.
- PRESSURE UTILITY MAINS AND SERVICE LINES MAY NEED TO BE INSTALLED AT A DEPTH GREATER THAN THAT SPECIFIED OR SHOWN ON THE DRAWINGS TO CLEAR EXISTING AND PROPOSED CROSSINGS. IN SUCH CASES, THE CONTRACTOR SHALL MAINTAIN ALL VERTICAL BENDS AS REQUIRED TO ACHIEVE APPROPRIATE CLEARANCE BETWEEN THE CROSSING UTILITIES.
- WHERE GRADE MODIFICATIONS (CUT OR FILL) ARE SHOWN ADJACENT TO EXISTING VALVE BOX COVERS AND MANHOLE CASTINGS, THE VALVE BOX COVERS AND MANHOLE CASTINGS SHALL BE ADJUSTED FLUSH WITH THE PROPOSED GRADE.
- THE CONTRACTOR SHALL MAINTAIN ALL FLOWS AND UTILITY CONNECTIONS TO EXISTING BUILDINGS, ETC. WITHOUT INTERRUPTION UNLESS/UNTIL AUTHORIZED TO DISCONNECT BY THE OWNER, UTILITY COMPANIES, AND GOVERNING AUTHORITIES. THE CONTRACTOR SHALL INSTALL ASBESTOS FREE TRENCH GAS, SANITARY WATER, STORM, ELECTRIC, TELEPHONE, AND CABLE SERVICES TO SERVICE BUILDING(S) TO REMAIN OPEN.
- ALL PROPOSED STUBS SHALL BE CAPPED AND SHALL BE PROVIDED WITH FIELD MARKERS.
- CONTRACTOR TO PROVIDE AND INSTALL CONDUIT FOR SITE LIGHTING PER SITE LIGHTING PLAN (BY OTHERS).
- CONTRACTOR TO PROVIDE AND INSTALL CONDUIT FOR IRRIGATION PER IRRIGATION PLAN (BY OTHERS).
- ALL LINES UNDERGROUND SHALL BE INSTALLED, INSPECTED, SURVEYED, AND APPROVED BEFORE BACKFILLING.
- MINIMUM TRENCH WIDTH SHALL BE 2 FEET.
- ALL CONDUIT SHALL BE INSTALLED PER CURRENT NATIONAL ELECTRIC CODE (N.E.C.) AND MANUFACTURER REQUIREMENTS.
- ALL UTILITIES SHOULD BE KEPT TEN (10) FEET (PARALLEL) OR WHEN CROSSING 18" VERTICAL CLEARANCE (OUTSIDE EDGE TO PIPE) OUTSIDE EDGE OF PIPE).
- THE CONTRACTOR SHALL CONSTRUCT GRAVITY SEWER LATERALS, MANHOLES GRAVITY SEWER LATERALS, AND MANHOLES. ALL SEWER LATERALS AND MANHOLES SHOWN ON THE PLANS, THE CONTRACTOR SHALL FURNISH ALL NECESSARY MATERIALS, EQUIPMENT, MACHINERY, TOOLS, MEANS OF TRANSPORTATION AND LABOR NECESSARY TO COMPLETE THE WORK IN FULL AND COMPLETE ACCORDANCE WITH THE SHOWN, DESCRIBED AND REASONABLY INTENDED REQUIREMENTS OF THE CONTRACT DOCUMENTS AND JURISDICTIONAL AGENCY REQUIREMENTS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
- DEFLECTION OF PIPE JOINTS AND CURVATURE OF PIPE SHALL NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS. SECURITY CLOSE ALL OPEN ENDS OF PIPE AND FITTINGS WITH A WATERTIGHT PLUG WHEN WORK IS NOT IN PROGRESS. THE INTERIOR OF ALL PIPES SHALL BE CLEAN AND JOINT SURFACES WIPED CLEAN AND DRY AFTER THE PIPE HAS BEEN LOWERED INTO THE TRENCH. VALVES SHALL BE PLUMB AND LOCATED ACCORDING TO THE PLANS.
- ALL PHASES OF INSTALLATION, INCLUDING UNLOADING, TRENCHING, LAYING AND BACK FILLING, SHALL BE DONE IN A FIRST CLASS WORKMANLIKE MANNER. ALL PIPE AND FITTINGS SHALL BE CAREFULLY STORED FOLLOWING MANUFACTURER'S RECOMMENDATIONS. CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE COATINGS OR LINING IN ANY DUCTILE IRON PIPE FITTINGS. ANY PIPE OR FITTING WHICH IS DAMAGED OR WHICH HAS FLAWS OR IMPERFECTIONS WHICH, IN THE OPINION OF THE ENGINEER, OWNER, OR INSPECTOR RENDERS IT UNFIT FOR USE, SHALL NOT BE USED. ANY PIPE NOT SATISFACTORY FOR USE SHALL BE CLEARLY MARKED AND IMMEDIATELY REMOVED FROM THE JOB SITE, AND SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- WATER FOR FIRE FIGHTING SHALL BE AVAILABLE FOR USE PRIOR TO COMBUSTIBLES BEING BROUGHT ON SITE.
- ALL UTILITY AND STORM DRAIN TRENCHES LOCATED UNDER AREAS TO RECEIVE PAVING SHALL BE COMPLETELY BACK FILLED IN ACCORDANCE WITH THE GOVERNING JURISDICTIONAL AGENCY'S SPECIFICATIONS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
- UNDERGROUND WATER AND SANITARY SEWER LINES SHALL BE SURVEYED BY A PROFESSIONAL LAND SURVEYOR LICENSED IN THE PROJECT STATE PRIOR TO BACK FILLING.
- CONTRACTOR SHALL PERFORM, AT HIS OWN EXPENSE, ANY AND ALL TESTS REQUIRED BY THE SPECIFICATIONS AND/OR ANY AGENCY HAVING JURISDICTION. THESE TESTS MAY INCLUDE, BUT MAY NOT BE LIMITED TO, INFILTRATION AND EXFILTRATION, TELEVISION INSPECTION, PRESSURE TESTS, AND A MANHOLE TEST ON GRAVITY SEWER. A COPY OF THE TEST RESULTS SHALL BE PROVIDED TO THE UTILITY PROVIDERS, OWNER AND JURISDICTIONAL AGENCY AS REQUIRED.
- IF DETERMINED NECESSARY BY THE LOCAL JURISDICTION, THE CONTRACTOR SHALL ABANDON EXISTING WATER METERS, CUT THE CORPORATION STOP OFF, AND AIR-GAP THE SERVICES.
- UNDERGROUND UTILITY, INCLUDING STORMWATER PIPES, SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING STANDARDS:
 - NO MORE THAN ONE LF OF TRENCH MAY BE OPENED AT ONE TIME.
 - EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES.

TREE PROTECTION NOTES

- THE CONTRACTOR SHALL PROTECT ALL TREES AND SHRUBS OUTSIDE OF CUT/FILL LINES. IN ADDITION TO THOSE THAT RECEIVE TREE/SHRUB PROTECTION BARRIERS, THE CONTRACTOR IS ALSO RESPONSIBLE TO SAVE ALL OTHER EXISTING TREES AND SHRUBS WHERE POSSIBLE.
- NO SOIL DISTURBANCE OR COMPACTION, CONSTRUCTION MATERIALS, TRAFFIC, BURIAL PITS, TRENCHING OR OTHER LAND DISTURBING ACTIVITY ALLOWED IN THE TREE PROTECTION ZONE. TREE BARRICADES MUST BE INSTALLED BEFORE ANY DEMOLITION, GRADING OR CONSTRUCTION BEGINS, AND NOT REMOVED UNTIL FINAL INSPECTION.
- NO GRUBBING WITHIN TREE PROTECTION ZONE. LEAVE SOIL AND LEAF LITTER UNDISTURBED, SUPPLEMENT WITH 1-2 INCHES OF MULCH. RE-SEED WITH GRASS ONLY IN DISTURBED/GRADED AREAS.
- TREE BARRICADES MUST BE INSTALLED BEFORE ANY DEMOLITION, CLEARING, GRADING OR CONSTRUCTION BEGINS AND IS NOT TO BE REMOVED UNTIL AFTER CONSTRUCTION.

GENERAL GRADING NOTES

- ALL NECESSARY PERMITS ARE THE RESPONSIBILITY OF THE CONTRACTOR AND THE CONTRACTOR MUST OBTAIN ALL PERMITS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION OR GRADING TO OBTAIN EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
- ALL ELEVATIONS ARE IN REFERENCE TO THE BENCHMARK, AND THIS MUST BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO GROUND BREAKING.
- CONTRACTOR SHALL REVIEW, UNDERSTAND AND IMPLEMENT ALL REQUIRED EROSION AND SEDIMENTATION CONTROL MEASURES PRIOR TO ANY DISTURBANCE.
- THE CONTRACTOR SHALL GRADE THE SITE TO THE ELEVATIONS INDICATED AND SHALL REGRADE WASHOUTS WHERE THEY OCCUR AFTER EVERY RAINFALL UNTIL A GRASS STAND IS WELL ESTABLISHED OR ADEQUATE STABILIZATION OCCURS.
- THE CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED FOR EXCAVATING BLASTING ROCK IF BLAST ROCK IS ENCOUNTERED. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL BLASTING AND SAFETY REQUIREMENTS.
- ALL UNPAVED AREAS IN EXISTING RIGHTS-OF-WAY DISTURBED BY CONSTRUCTION SHALL BE REGRADED AND SEEDED.
- THE CONTRACTOR SHALL CLEAR AND GRUB THE SITE AND PLACE, COMPACT, AND MOISTURE CONDITION ALL FILL PER THE GEOTECHNICAL ENGINEERS SPECIFICATIONS. FILL MATERIAL SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT.
- THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF ALL SHEETING, SHORING, BRACING AND SPECIAL EXCAVATION MEASURES REQUIRED TO MEET OSHA, FEDERAL, STATE AND LOCAL REGULATIONS PURSUANT TO THE INSTALLATION OF THE WORK INDICATED ON THESE DRAWINGS. THE DESIGN ENGINEER ACCEPTS NO RESPONSIBILITY FOR THE DESIGN(S) TO INSTALL SAID ITEMS.
- FIELD ADJUSTMENTS OF RIM ELEVATIONS OF STRUCTURES MAY BE REQUIRED TO MEET FIELD CONDITIONS. MAXIMUM HEIGHT OF ADJUSTING RINGS SHALL NOT EXCEED 12-INCHES. ADJUSTMENTS OF 12 INCHES OR MORE SHALL BE DONE IN TWO STEPS. THE TOTAL HEIGHT TO EXCEED 12 INCHES SHALL BE MADE BY REPLACING THE CONE AND/OR BARREL SECTION OF THE STRUCTURE.
- WHERE GRADE MODIFICATIONS ARE SHOWN ADJACENT TO EXISTING VALVE BOX COVERS AND MANHOLE CASTINGS, THE VALVE BOX COVERS AND MANHOLE CASTINGS SHALL BE ADJUSTED FLUSH WITH THE PROPOSED GRADE.
- ALL OPEN AREAS WITHIN THE PROJECT SITE SHALL BE SEEDED UNLESS INDICATED OTHERWISE ON THE LANDSCAPE PLAN.
- IF DETERMINING IS REQUIRED, THE CONTRACTOR SHALL OBTAIN ANY APPLICABLE REQUIRED PERMITS. THE CONTRACTOR IS TO COORDINATE WITH THE OWNER AND THE DESIGN ENGINEER PRIOR TO ANY EXCAVATION.
- STRIP TOPSOIL AND ORGANIC MATTER FROM ALL AREAS OF THE SITE AS REQUIRED. IN SOME CASES TOPSOIL MAY BE STOCKPILED ON SITE FOR PLACEMENT WITHIN LANDSCAPED AREAS BUT ONLY AS DIRECTED BY THE OWNER.
- FIELD DENSITY TESTS SHALL BE TAKEN AT INTERVALS IN ACCORDANCE WITH THE LOCAL JURISDICTIONAL AGENCY OR TO STATE DEPARTMENT OF TRANSPORTATION STANDARDS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
- ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED AS PER PLANS. THE AREAS SHALL THEN BE SEEDED AS SPECIFIED IN THE PLANS. FERTILIZED, MULCHED, WATERED AND MAINTAINED UNTIL HARDF GRASS GROWTH IS ESTABLISHED. ALL AREAS SHALL BE DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE JOB SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. ALL EARTHEN AREAS WILL BE SEEDED AND MULCHED AS SHOWN ON THE LANDSCAPING PLAN.
- ALL CUT OR FILL SLOPES SHALL BE 3 HORIZONTAL TO 1 VERTICAL OR FLATTER UNLESS OTHERWISE SHOWN. THE CONTRACTOR SHALL COORDINATE WITH THE GEOTECHNICAL ENGINEER FOR APPROPRIATE SLOPE STABILIZATION ON ALL SLOPES STEEPER THAN 3:1. CONTRACTOR SHALL BLEND NEW EARTHWORK SMOOTHLY TO TRANSITION BACK TO EXISTING GRADE.
- SEED MUST BE INSTALLED AND MAINTAINED ON EXPOSED SLOPES WITHIN 48 HOURS OF COMPLETING FINAL GRADING, AND AT ANY OTHER TIME AS NECESSARY, TO PREVENT EROSION, SEDIMENTATION OR TURBID DISCHARGES.
- THE CONTRACTOR SHALL ENSURE THAT ISLAND PLANTING AREAS AND OTHER PLANTING AREAS ARE NOT COMPACTED AND DO NOT CONTACT BASE MATERIALS. THE CONTRACTOR SHALL ALSO EXCAVATE AND REMOVE ALL UNSUITABLE MATERIAL FROM ALL AREAS ON THE SITE TO BE PLANTED AND PROPERLY DISPOSED OF IN A LEGAL MANNER.
- GRADE ALL AREAS TO MAINTAIN POSITIVE SLOPE AWAY FROM BUILDING.
- ALL SOIL USED FOR PLANTING SHALL CONSIST OF REGIONALLY APPROPRIATE SOILS.
- UNSATURABLE FILL BENEATH BUILDING PADDS AND PAVED SURFACES MUST BE EXCAVATED AND REPLACED AS RECOMMENDED BY A GEOTECHNICAL ENGINEER.
- ALL PAVEMENT SUB GRADES SHALL BE SCARIFIED TO A DEPTH OF 8 INCHES AND COMPACTED TO A MINIMUM DENSITY OF 98 PERCENT OF ASTM D-698 DENSITY AT OPTIMUM MOISTURE CONTENT UNLESS OTHERWISE SHOWN ON THE CONSTRUCTION PLANS OR AS DIRECTED BY A GEOTECHNICAL ENGINEER. FILL SHALL BE PLACED AND COMPACTED IN MAXIMUM 8" LIFTS. IN AREAS WHERE ROCKS ARE ENCOUNTERED AT FINAL SUB GRADE ELEVATION, THE GRADE SURFACE SHALL BE TOPPED WITH A LEVELING COURSE OF SANDY CLAY OR CLAYEY SAND (PI BETWEEN 4 AND 15) AS NEEDED TO PROVIDE A SMOOTH SURFACE FOR PAVING.

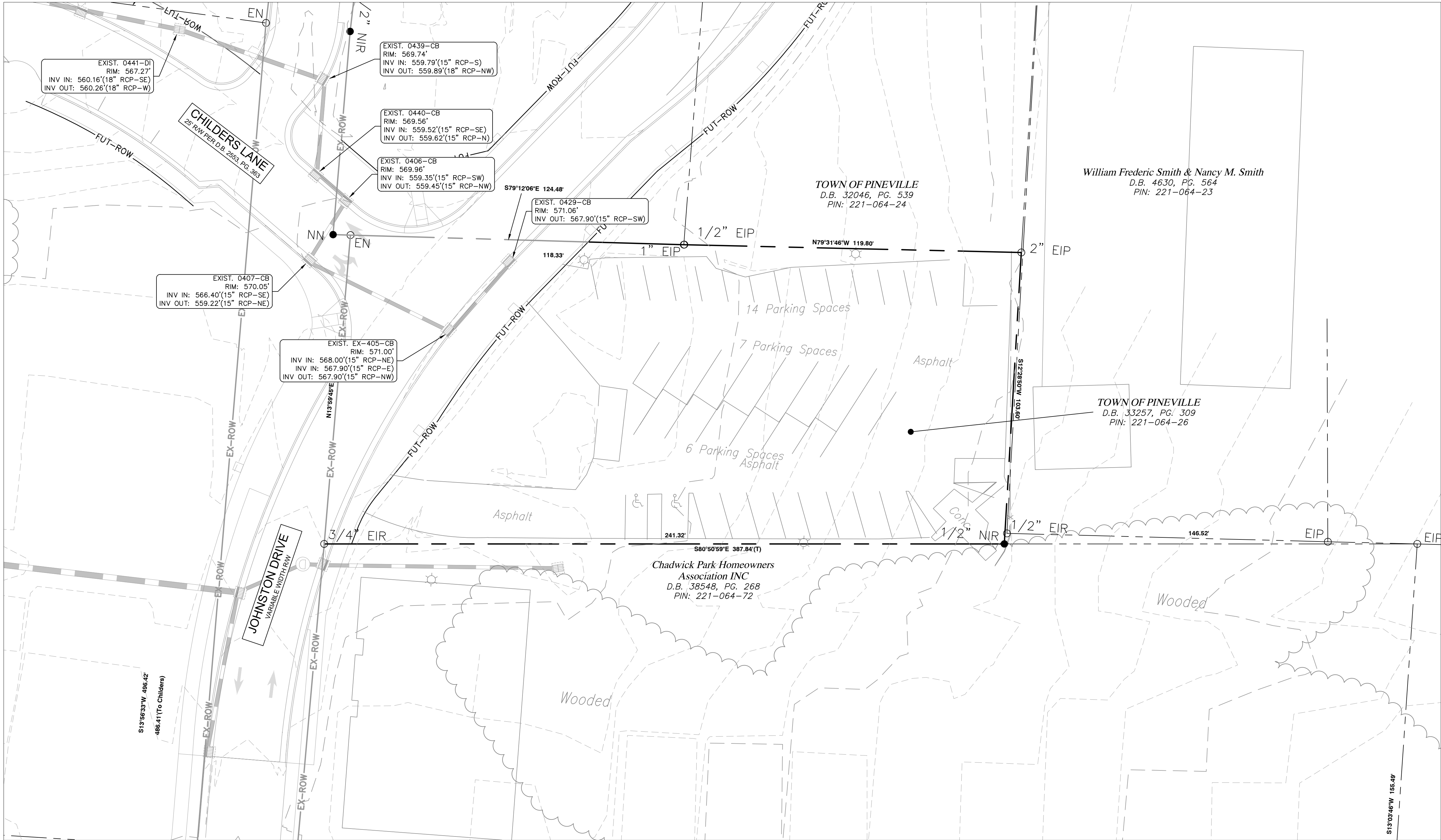
WATER DISTRIBUTION NOTES

- CONTRACTOR TO LOCATE TIE-INS TO ALL BUILDINGS BASED ON ARCH / MECHANICAL, ELECTRICAL AND PLUMBING PLANS.
- IN THE EVENT OF A VERTICAL CONFLICT BETWEEN WATER LINES, SANITARY LINES, STORM LINES AND GAS LINES (EXISTING AND PROPOSED), THE SANITARY LINE SHALL BE DUCTILE IRON PIPE WITH MECHANICAL JOINTS AT LEAST 10 FEET ON BOTH SIDES OF CROSSING. THE WATER LINE SHALL HAVE MECHANICAL JOINTS WITH APPROPRIATE THRUST BLOCKING AS REQUIRED TO PROVIDE A MINIMUM OF 18" CLEARANCE. MEETING REQUIREMENTS OF ANSI A21.10 OR ANSI 21.11 (AWWA C-151) (CLASS 50).
- WATER MAINS SHALL BE INSTALLED WITH A MINIMUM OF 48 INCHES OF COVER AS MEASURED FROM THE TOP OF THE PIPE TO THE FINAL FINISH GRADE ABOVE THE PIPE.
- THRUST BLOCKS OR JOINT RESTRAINTS SHALL BE INSTALLED ON ALL WATER LINES AT ALL BENDS, TEES AND HYDRANTS PER THE DETAILS.
- PIPE LENGTHS SHOWN ARE MEASURED FROM CENTER TO CENTER OF FITTINGS AND APPURTENANCES ROUNDED TO THE NEAREST FOOT.
- WATER LINES SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED ON THE PLANS:
 - 6" AND LARGER, PVC C-909, DR-18, PER ASTM D-2241
 - 6" AND LARGER DUCTILE IRON PIPE PER AWWA C150
 - SMALLER THAN 6" EITHER COPPER TUBE TYPE "L" (SOFT) PER ANSI B16.22 OR PVC, 200 P.S.I., PER ASTM D1784 AND D2241.
- ALL WATER JOINTS ARE TO BE MECHANICAL JOINTS WITH THRUST BLOCKING IF DICTATED BY THE AUTHORITY HAVING JURISDICTION.
- THERE SHALL BE NO TAPS, PIPING BRANCHES, UNAPPROVED BYPASS PIPING, HYDRANTS, FIRE DEPT. CONNECTION POINTS, OR OTHER WATER USING APPURTENANCES CONNECTED TO THE SUPPLY LINE BETWEEN ANY WATER METER AND ITS REQUIRED BACKFLOW PREVENTER.
- BACKFLOW PREVENTION ASSEMBLIES TO BE INSTALLED ABOVE-GROUND SHALL BE INSTALLED WITHIN INSULATED ENCLOSURE AND PER JURISDICTIONAL REQUIREMENTS. ENCLOSURES SHALL INCLUDE DRAIN PORT(S) FOR DISCHARGE WATER. CONTRACTOR SHALL ENSURE THE BACKFLOW PREVENTION ASSEMBLY AND ENCLOSURE IS INSTALLED OUTSIDE OF SIGHT DISTANCE TRIANGLES AT INTERSECTIONS WITH VEHICULAR TRAVEL WAYS.
- ALL BACKFLOW PREVENTERS SHALL BE HEATED.

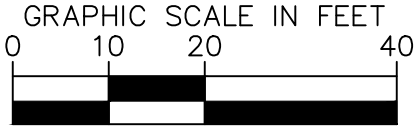
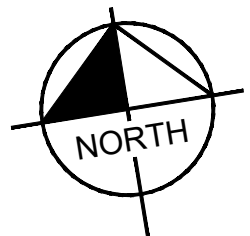
SANITARY SEWER NOTES

- CONTRACTOR TO LOCATE LATERAL CONNECTIONS TO BUILDING PER PLUMBING PLANS.
- PLACE CLEAN-OUTS ON SANITARY SEWER LATERALS AS REQUIRED BY PLUMBING CODE.
- PIPE LENGTHS SHOWN ARE MEASURED FROM CENTER TO CENTER OF STRUCTURES AND ARE ROUNDED TO THE NEAREST FOOT.
- A MINIMUM HORIZONTAL SEPARATION OF 10 FEET BETWEEN WATER LINES AND SEWERS SHALL BE MAINTAINED AT ALL TIMES. A MINIMUM VERTICAL SEPARATION OF 18 INCHES BETWEEN WATER LINES AND SEWERS SHALL BE MAINTAINED AT CROSSINGS. IN THE EVENT THAT MINIMUM SEPARATION REQUIREMENTS CANNOT BE MET, THE CONTRACTOR SHALL UTILIZE PRESSURE-TYPE WATER PIPE FOR THE SEWER PER DETAIL.
- SANITARY SEWER PIPE SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED ON THE PLANS:
 - 8" PVC SDR35 PER ASTM D 3034, FOR PIPES LESS THAN 12' DEEP
 - 8" PVC SD

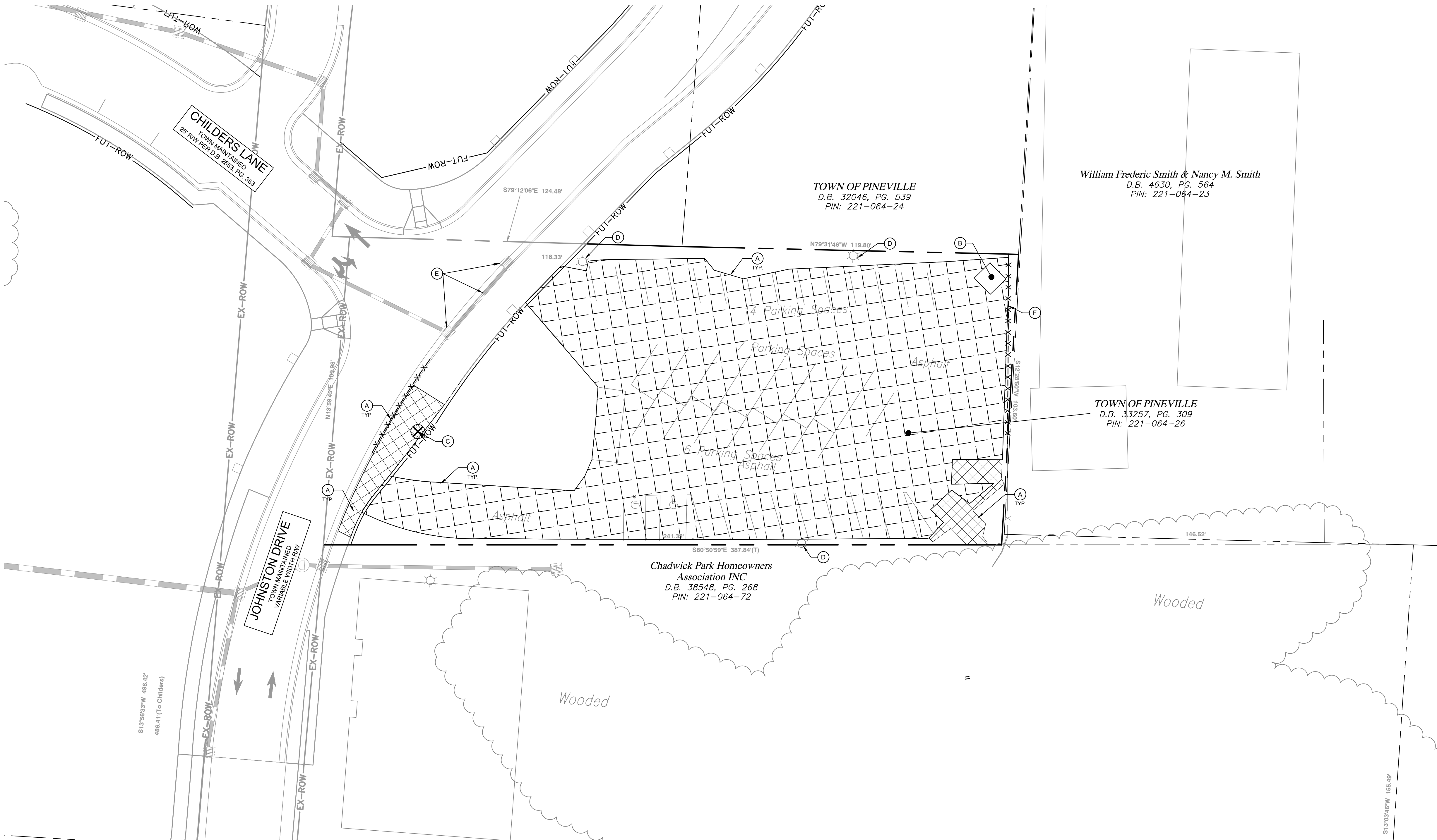
Plotted By: Warren, Garrett. Sheet Set: JOHNSTON DR PARKING LOT. Layout: C101 - EXIST COND PLAN. February 16, 2026 04:05:22pm K:\CHL\PRJ018036 Town of Pineville\003_ Johnston Dr Alignment - Design\04_CADD\10_SITE CIVIL\PlanSheets\C101 - EXIST COND PLAN.dwg



NOTE:
EXISTING CONDITIONS PLAN IS FOR REFERENCE ONLY. PLAN IS A CONSOLIDATION OF COMPOSITE SURVEY PREPARED BY RB PHARR & ASSOCIATES DATED 12/4/2024 AND AS-BUILT SURVEY PREPARED BY CAROLINA SURVEYORS INC. DATED 3/18/2021. CONTRACTOR TO VERIFY ALL EXISTING UTILITY LOCATIONS.



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NOTE TO CONTRACTOR

CONTRACTOR SHALL TAKE EXTREME CARE WHEN WORKING AROUND EXISTING UTILITIES. CONTRACTOR SHALL REPAIR ANY DAMAGED FEATURES/UTILITIES TO THAT OF EXISTING OR BETTER CONDITION.

CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL REPAIRS TO ANY DAMAGED ROADWAYS, CURB AND GUTTER, ASPHALT, ETC.

CONTRACTOR SHALL COMPLETELY REMOVE ALL FEATURES WITHIN THE LIMITS OF CONSTRUCTION / OVERALL PROJECT BOUNDARY IN ORDER TO CONSTRUCT PROPOSED IMPROVEMENTS AS SHOWN IN THESE PLANS.

ALERT TO CONTRACTOR

PRIOR TO THE CONSTRUCTION OF OR CONNECTION TO ANY STORM DRAIN, SANITARY SEWER, WATER MAIN OR ANY OF THE DRY UTILITIES, THE CONTRACTOR SHALL EXCAVATE, VERIFY AND CALCULATE ALL POINTS OF CONNECTION AND ALL UTILITY CROSSINGS AND INFORM CEC AND THE OWNER/DEVELOPER OF ANY CONFLICT OR REQUIRED DEVIATIONS FROM THE PLAN. NOTIFICATION SHALL BE MADE A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION. CEC AND ITS CLIENTS SHALL BE HELD HARMLESS IN THE EVENT THAT THE CONTRACTOR FAILS TO MAKE SUCH NOTIFICATION.

DEMOLITION KEY NOTE LEGEND

(A)

REMOVE EXISTING ASPHALT PAVEMENT, CURB AND GUTTER, OR CONCRETE WALK, SAWCUT A CLEAN EDGE.

(B)

REMOVE EXISTING BUILDING, REMOVE ALL FOUNDATION WALLS, SLABS AND FOOTINGS, REMOVE ANY EXISTING STONE OR OTHER MATERIAL TO EXPOSE SUBGRADE, BACKFILL WITH COMPACTED GRANULAR MATERIAL TO PROPOSED GRADE PER GRADING PLAN.

(C)

REMOVE EXISTING TREE PLANTING BOX

(D)

EXISTING LIGHT POLE TO REMAIN

(E)

EXISTING STORM DRAINAGE PIPE AND ASSOCIATED STRUCTURES TO REMAIN AND BE PROTECTED.

(F)

EXISTING FENCE TO BE REMOVED

DEMOLITION LEGEND

FULL DEPTH CONCRETE WALK REMOVAL

FULL DEPTH PAVEMENT REMOVAL

CLEAN SAWCUT EDGE

EXISTING LINEAR ITEM TO BE REMOVED

SAWCUT A CLEAN EDGE

EXISTING ITEM TO BE REMOVED

CAUTION!!

CONTRACTOR IS TO VERIFY PRESENCE AND EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.

0 10 20 40

NORTH

Know what's below.
Call before you dig.

JOHNSTON DRIVE
PARKING LOT
PREPARED FOR
TOWN OF PINEVILLE
PINEVILLE NC

DEMOLITION PLAN

KH PROJECT
018036003

DATE
2/16/2026

SCALE
AS SHOWN

DESIGNED BY
TJR

DRAWN BY
TJR

CHECKED BY
KMS

SEAL
051702
ENGINEER
WESLEY M. STROMBERG
2/19/2026

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GENERAL SWPPP NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL APPLICABLE PERMITS.
2. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL CITY, COUNTY AND STATE REGULATIONS AND CODES AND O.S.H.A. STANDARDS.
3. ALL PUBLIC FACILITIES ARE TO BE CONSTRUCTED AS SPECIFIED BY CITY/COUNTY STANDARDS.
4. NO WORK WITHIN NORTH CAROLINA DEPARTMENT OF TRANSPORTATION (NCDOT) RIGHT OF WAY SHALL TAKE PLACE WITHOUT ALL PERMITS.
5. EXISTING FEATURES WITHIN THE CONSTRUCTION LIMITS ARE TO BE ABANDONED, REMOVED OR RELOCATED AS NECESSARY EXCEPT AS OTHERWISE NOTED. ALL COST SHALL BE INCLUDED IN BASE BID.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS, INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, STORM DRAINAGE, SIGNS, ETC. AS REQUIRED. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING AUTHORITIES SPECIFICATIONS AND SHALL BE APPROVED BY SUCH. ALL COST SHALL BE INCLUDED IN BASE BID. AREAS TO BE DISTURBED SHALL BE IMPROVED PER THE CIVIL PLANS OR RESTORED TO THEIR ORIGINAL OR BETTER CONDITION. CONTRACTOR SHALL REPAIR ANY EXISTING FEATURES THAT ARE DAMAGED DURING CONSTRUCTION TO THE EXISTING OR BETTER CONDITION.
7. SITE BOUNDARY, TOPOGRAPHY, UTILITY AND ROAD INFORMATION TAKEN FROM A SURVEY BY RB PHARR & ASSOCIATES. ALL INFORMATION IS TO BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
8. THE CONTRACTOR SHALL EMPLOY ALL NECESSARY BARRICADES, SIGNS, FENCES, IN ACCORDANCE WITH THE STANDARDS OF NCDOT AND MECKLENBURG COUNTY.
9. THE CONTRACTOR SHALL PROTECT ALL MONUMENTS, IRON PINS, AND PROPERTY CORNERS DURING CONSTRUCTION.
10. THE CONTRACTOR SHALL IMMEDIATELY REPORT TO THE OWNER ANY DISCREPANCIES FOUND BETWEEN THE ACTUAL FIELD CONDITIONS AND THE CONSTRUCTION DOCUMENTS AND SHALL WAIT FOR INSTRUCTION PRIOR TO PROCEEDING.
11. THE CONTRACTOR SHALL MAINTAIN EACH STREAM, CREEK, OR BACKWASH CHANNEL IN A UNOBSERVED STATE AND SHALL REMOVE FROM THE CHANNEL AND BANKS OF THE STREAM ALL DEBRIS, LOGS, TIMBER, JUNK AND OTHER ACCUMULATIONS.
12. ALL WELLS DISCOVERED ON SITE THAT WILL HAVE NO USE MUST BE PLUGGED BY A LICENSED WELL DRILLING CONTRACTOR IN A MANNER APPROVED BY ALL JURISDICTIONAL AGENCIES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY WELL ABANDONMENT PERMITS REQUIRED ANY WELL DISCOVERED DURING EARTH MOVING OR EXCAVATION SHALL BE REPORTED TO THE APPROPRIATE JURISDICTIONAL AGENCIES WITHIN 24 HOURS AFTER DISCOVERY IS MADE.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK THAT WOULD BE AFFECTED. FAILURE TO NOTIFY OWNER OF AN IDENTIFIABLE CONFLICT PRIOR TO PROCEEDING WITH INSTALLATION RELIEVES OWNER OF ANY OBLIGATION TO PAY FOR A RELATED CHANGE ORDER.

GRADING NOTES

1. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
2. THE CONTRACTOR SHALL CLEAR AND GRUB THE SITE AND PLACE, COMPACT, AND MOISTURE CONDITION ALL FILL PER THE GEOTECHNICAL ENGINEERS SPECIFICATIONS. FILL MATERIAL SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT.
5. ALL CUT OR FILL SLOPES SHALL BE 3:1 OR FLATTER UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL COORDINATE WITH THE GEOTECHNICAL ENGINEER FOR APPROPRIATE SLOPE STABILIZATION ON ALL SLOPES STEEPER THAN 3:1.
6. THE CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED FOR BLASTING ROCK IF BLAST ROCK IS ENCOUNTERED. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL BLASTING AND SAFETY REQUIREMENTS.
7. CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.
8. ALL PROPOSED CONTOURS AND SPOT ELEVATIONS REFLECT FINISHED GRADES.
9. ALL ELEVATIONS ARE IN REFERENCE TO THE BENCHMARK PROVIDED BY THE SURVEYOR, AND THIS MUST BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO GROUND BREAKING.
10. CONTRACTOR SHALL BLEND NEW EARTHWORK SMOOTHLY TO TRANSITION BACK TO EXISTING GRADE.
11. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF ALL SHEETING, SHORING, BRACING AND SPECIAL EXCAVATION MEASURES REQUIRED TO MEET OSHA, FEDERAL, STATE AND LOCAL REGULATIONS PURSUANT TO THE INSTALLATION OF THE WORK INDICATED ON THESE DRAWINGS. THE DESIGN ENGINEER ACCEPTS NO RESPONSIBILITY FOR THE DESIGN(S) TO INSTALL SAID ITEMS.
12. THE CONTRACTOR SHALL INCLUDE IN THE CONTRACT PRICE ANY DEWATERING AND MOISTURE CONDITIONING NECESSARY TO CONSTRUCT THE PROJECT AS SHOWN ON THE PLANS.
13. ALL EARTHWORK SHALL CONFORM TO THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER.

DEMOLITION NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR DEMOLITION AND DISPOSAL.
2. THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION, REMOVAL, AND LAWFUL DISPOSAL OF ALL STRUCTURES, PAVING, UTILITIES, ETC., SUCH THAT THE IMPROVEMENTS SHOWN ON THE PLANS CAN BE CONSTRUCTED. ALL FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL AS NECESSARY.
3. THE CONTRACTOR SHALL MAINTAIN ALL UTILITY SERVICES TO ALL EXISTING FACILITIES AND OUTLOTS AT ALL TIMES. UTILITY SERVICES SHALL NOT BE INTERRUPTED WITHOUT APPROVAL FROM THE SERVICE PROVIDERS AND COORDINATION THROUGH THE PROPERTY OWNER(S).
4. THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF UTILITIES. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY CONCERNING PORTIONS OF WORK WHICH MAY BE PERFORMED BY THE UTILITY COMPANY'S FORCES AND ANY FEES WHICH ARE TO BE PAID TO THE UTILITY COMPANY FOR THEIR SERVICES. THE CONTRACTOR IS RESPONSIBLE FOR PAYING ALL FEES AND CHARGES.
5. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THIS PLAN HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. THE ITEMS SHOWN ARE NOT TO BE INTERPRETED AS THE EXACT LOCATION, OR AS THE ONLY OBSTACLES THAT MAY OCCUR ON THE SITE. VERIFY EXISTING CONDITIONS AND PROCEED WITH CAUTION AROUND ANY ANTICIPATED FEATURES. PRIOR TO THE START OF ANY DEMOLITION ACTIVITY, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES FOR ONSITE LOCATIONS OF EXISTING UTILITIES.
6. ELECTRICAL, TELEPHONE, CABLE, WATER, FIBER OPTIC CABLE AND/OR GAS LINES NEEDING TO BE REMOVED OR RELOCATED SHALL BE COORDINATED WITH THE AFFECTED UTILITY COMPANY. ADEQUATE TIME SHALL BE PROVIDED FOR RELOCATION AND CLOSE COORDINATION WITH THE UTILITY COMPANY IS NECESSARY TO PROVIDE A SMOOTH TRANSITION IN UTILITY SERVICE. CONTRACTOR SHALL PAY CLOSE ATTENTION TO EXISTING UTILITIES WITHIN THE ANY ROAD RIGHT OF WAY DURING CONSTRUCTION.
7. CONTRACTOR MUST PROTECT THE PUBLIC AT ALL TIMES WITH FENCING, BARRICADES, ENCLOSURES, ETC., (AND OTHER APPROPRIATE BEST MANAGEMENT PRACTICES) AS REQUIRED BY THE GOVERNING AGENCY.
8. CONTINUOUS ACCESS SHALL BE MAINTAINED FOR THE SURROUNDING BUSINESSES AND PROPERTIES AT ALL TIMES DURING DEMOLITION OF THE EXISTING IMPROVEMENTS AND CONSTRUCTION OF THE PROPOSED IMPROVEMENTS. CONTRACTOR SHALL COORDINATE WITH THE OWNER(S)/ LEASEE(S) PRIOR TO ANY CONSTRUCTION TO ESTABLISH CUSTOMER ACCESS AND TRAFFIC FLOW DURING ALL PHASES.
9. SHOULD CONSTRUCTION ACTIVITIES DAMAGE EXISTING FEATURES, THE CONTRACTOR SHALL REPLACE THE FEATURES WITH NEW MATERIALS. DAMAGE TO ANY EXISTING CONDITIONS TO REMAIN WILL BE REPLACED AT CONTRACTOR'S EXPENSE.
10. CONTRACTOR MAY LIMIT SAW-CUT & PAVEMENT REMOVAL TO ONLY THOSE AREAS WHERE IT IS NECESSARY AND AS SHOWN ON THESE PLANS. IF ANY DAMAGE IS INCURRED ON ANY OF THE SURROUNDING PAVEMENT, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS REMOVAL AND REPAIR.
11. DAMAGE TO ALL EXISTING CONDITIONS TO REMAIN WILL BE REPLACED AT CONTRACTOR'S EXPENSE.

GENERAL SWPPP NOTES

1. CONTRACTOR SHALL REVIEW THE GENERAL PERMIT PRIOR TO COMMENCING CONSTRUCTION ACTIVITY. IN NORTH CAROLINA THE APPROVED EROSION CONTROL PLAN AND THE NCDOT CONSTRUCTION GENERAL PERMIT ARE CONSIDERED THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP). THE CONTRACTOR SHALL KEEP A COPY OF THE APPROVED PLANS AND GENERAL PERMIT ONSITE AT ALL TIMES.
2. GRADING MORE THAN ONE ACRE WITHOUT AN APPROVED EROSION CONTROL PLAN IS A VIOLATION OF NORTH CAROLINA LAW AND IS SUBJECT TO A FINE.
3. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE NORTH CAROLINA EROSION AND SEDIMENT CONTROL HANDBOOK.
4. THE CONTRACTOR SHALL INSTALL AND MAINTAIN THROUGHOUT THE PROJECT CONSTRUCTION ALL EROSION CONTROL MEASURES SHOWN WITHIN THESE PLANS IN ACCORDANCE WITH APPLICABLE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY (NCEQ) EROSION AND SEDIMENT CONTROL REGULATIONS.
5. ALL CONSTRUCTION WORK SHALL BE IN COMPLIANCE WITH REGULATIONS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) STORM WATER GENERAL PERMIT.
6. SELF INSPECTIONS SHALL BE PERFORMED AS REQUIRED BY THE GENERAL PERMIT AND AS DESCRIBED ON THESE EROSION AND SEDIMENT CONTROL PLANS.
7. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO CLEARING AND/OR LAND DISTURBANCE.
8. CONSTRUCTION ENTRANCE SHALL BE LOCATED SO AS TO PROVIDE THE LEAST AMOUNT OF DISTURBANCE TO THE FLOW OF TRAFFIC IN AND OUT OF THE SITE. ADDITIONALLY, CONSTRUCTION ENTRANCE SHALL BE LOCATED TO COINCIDE WITH THE PHASING OF THE PAVEMENT REPLACEMENT.
9. POST CONSTRUCTION STORM WATER POLLUTION CONTROL MEASURES INCLUDE STABILIZATION BY PERMANENT PAVING, DRAINAGE SYSTEM STRUCTURE, OR LANDSCAPING.
10. TEMPORARY AND PERMANENT STABILIZATION PRACTICES AND BMP'S SHALL BE INSTALLED AT THE EARLIEST POSSIBLE TIME DURING THE CONSTRUCTION SEQUENCE. AS AN EXAMPLE, PERIMETER SILT FENCE SHALL BE INSTALLED BEFORE COMMENCEMENT OF ANY GRADING ACTIVITIES. OTHER BMP'S SHALL BE INSTALLED AS SOON AS PRACTICABLE AND SHALL BE MAINTAINED UNTIL FINAL SITE STABILIZATION IS ATTAINED. CONTRACTOR SHALL ALSO REFERENCE CIVIL AND LANDSCAPE PLANS SINCE PERMANENT STABILIZATION IS PROVIDED BY LANDSCAPING, THE BUILDING(S), AND SITE PAVING.
11. BMP'S HAVE BEEN LOCATED AS INDICATED ON THIS PLAN IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING PRACTICES IN ORDER TO MINIMIZE SEDIMENT TRANSFER. FOR EXAMPLE: SILT FENCES LOCATED AT TOE OF SLOPE AND INLET PROTECTION FOR INLETS RECEIVING SEDIMENT FROM SITE RUN-OFF.
12. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN AND PERMIT SHALL BE MAINTAINED ON THE SITE AT ALL TIMES. THE CONTRACTOR SHALL DILIGENTLY AND CONTINUOUSLY MAINTAIN ALL EROSION CONTROL DEVICES AND STRUCTURES TO MINIMIZE EROSION.
13. THE CONTRACTOR SHALL MAINTAIN CLOSE CONTACT WITH THE NCEQ EROSION CONTROL INSPECTOR SO THAT PERIODIC INSPECTIONS CAN BE PERFORMED AT APPROPRIATE STAGES OF CONSTRUCTION.
14. APPROVAL OF THIS PLAN IS NOT AN AUTHORIZATION TO GRADE ADJACENT PROPERTIES. WHEN FIELD CONDITIONS WARRANT OFF-SITE GRADING, PERMISSION MUST BE OBTAINED FROM THE AFFECTED PROPERTY OWNERS. CONTACT PROJECT ENGINEER AND PROJECT EROSION CONTROL INSPECTOR TO ENSURE ADDITIONAL EROSION CONTROL MEASURES ARE INSTALLED PRIOR TO OFF-SITE GRADING.
15. ANY SPILLS OF PETROLEUM PRODUCTS OR HAZARDOUS MATERIALS IN EXCESS OF REPORTABLE QUANTITIES AS DEFINED BY EPA OR THE STATE OR LOCAL AGENCY REGULATIONS, SHALL BE IMMEDIATELY REPORTED TO THE EPA NATIONAL RESPONSE CENTER (1-800-424-9802) AND THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL AND NATURAL RESOURCES (1-800-688-0388). THE STATE REPORTABLE QUANTITY FOR PETROLEUM PRODUCTS IS: 25 GALLONS MINIMUM OR IF IT CAUSES A SHEEN ON NEARBY SURFACE WATER OR IF IT IS 100 FEET OR LESS FROM A SURFACE BODY OF WATER. NC GENERAL STATUTES - CHAPTER 143 ARTICLE 21A
16. THE CONTRACTOR SHALL MAINTAIN JURISDICTIONALLY REQUIRED BUFFERS OF UNDISTURBED NATURAL VEGETATION BETWEEN THE DISTURBED PORTIONS OF THE SITE AND SURFACES WATERS AT ALL TIMES. BUFFERS SHALL BE MAINTAINED IN ACCORDANCE WITH THE REQUIREMENTS OF THE JURISDICTION.
17. PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING, BUT NOT LIMITED TO OFF-SITE BORROW OR WASTE AREAS, STAGING OR STORAGE AREAS), THE CONTRACTOR SHALL PREPARE AND SUBMIT A SUPPLEMENTARY EROSION CONTROL PLAN TO THE OWNER FOR REVIEW AND TO THE APPROPRIATE GOVERNING ENTITY FOR APPROVAL. CONTRACTOR SHALL PAY ALL FEES REQUIRED AND SHALL INSTALL NECESSARY MEASURES AT NO SEPARATE PAYMENT. THE CONTRACTOR SHALL PROVIDE THE OWNER AND THE ENGINEER A COPY OF THE AMENDED PERMIT.

STABILIZATION REQUIREMENTS

- 1) SOIL STABILIZATION SHALL BE ACHIEVED ON ANY AREA OF A SITE WHERE LAND-DISTURBING ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED ACCORDING TO THE FOLLOWING SCHEDULE:
 - i) ALL PERIMETER DIKES, SWALES, DITCHES, AND SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1) SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 7 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY.
 - ii) ALL OTHER DISTURBED AREAS SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 14 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY.
- 2) CONDITIONS - IN MEETING THE STABILIZATION REQUIREMENTS ABOVE, THE FOLLOWING CONDITIONS OR EXEMPTIONS SHALL APPLY:
 - i) EXTENSIONS OF TIME MAY BE APPROVED BY THE PERMITTING AUTHORITY BASED ON WEATHER OR OTHER SITE-SPECIFIC CONDITIONS THAT MAKE COMPLIANCE IMPRACTICABLE.
 - ii) ALL SLOPES 50' IN LENGTH OR GREATER SHALL APPLY THE GROUND COVER WITHIN 7 DAYS. EXCEPT WHEN THE SLOPE IS FLATTER THAN 4:1. SLOPES LESS THAN 50' SHALL APPLY GROUND COVER WITHIN 14 DAYS EXCEPT WHEN SLOPES ARE STEEPER THAN 3:1. THE 7 DAY REQUIREMENT APPLIES.
 - iii) ANY SLOPED AREA FLATTER THAN 4:1 SHALL BE EXEMPT FROM THE 7-DAY GROUND COVER REQUIREMENT BUT SHALL REQUIRE STABILIZATION WITHIN 14 CALENDAR DAYS.
 - iv) SLOPES 10' OR LESS IN LENGTH SHALL BE EXEMPT FROM THE 7-DAY GROUND COVER REQUIREMENT EXCEPT WHEN THE SLOPE IS STEEPER THAN 2:1 BUT SHALL REQUIRE STABILIZATION WITHIN 14 CALENDAR DAYS.
 - v) ALTHOUGH STABILIZATION IS USUALLY SPECIFIED AS GROUND COVER, OTHER METHODS, SUCH AS CHEMICAL STABILIZATION, MAY BE ALLOWED ON A CASE-BY-CASE BASIS.
 - vi) FOR PORTIONS OF PROJECTS WITHIN THE SEDIMENT CONTROL COMMISSION-DEFINED "HIGH QUALITY WATER ZONE" (BA NCAC 04A. 0109), STABILIZATION WITH GROUND COVER SHALL BE ACHIEVED AS SOON AS PRACTICABLE BUT IN ANY EVENT ON ALL AREAS OF THE SITE WITHIN 7 CALENDAR DAYS FROM THE LAST LAND DISTURBING ACT.
 - vii) PORTIONS OF A SITE THAT ARE LOWER IN ELEVATION THAN ADJACENT EXISTING UTILITY AND/OR LIGHT POLES. ALL EXISTING FACILITIES WHICH CONFLICT WITH THE IMPROVEMENTS UNDER THE SCOPE OF THIS PROJECT MUST BE RELOCATED AT THE EXPENSE OF THE CONTRACTOR.

EROSION CONTROL NOTES

1. PRIOR TO CONSTRUCTION THE CONTRACTOR MUST CLEARLY DELINEATE AND MARK OFF AREAS IDENTIFIED IN THE SWPPP OR IN THE FIELD, TO BE PROTECTED (SUCH AS STREAMS/NETLANDS, NATURAL BUFFERS, TREE, HABITATS OF ENDANGERED/THREATENED SPECIES, HISTORIC PROPERTIES, ETC.)
2. BMP'S PROPOSED FOR SITE DEVELOPMENT HAVE BEEN DESIGNED TO ADDRESS CONSTRUCTION STORMWATER RUNOFF. IN THE EVENT THE BMP'S BECOME INEFFECTIVE AT PREVENTING SEDIMENT FROM LEAVING THE SITE, IT IS THE CONTRACTORS RESPONSIBILITY TO IMPLEMENT ADDITIONAL BMP'S. THE CONTRACTOR SHALL CONTINUOUSLY MAINTAIN BMP'S AS DESCRIBED IN THE GENERAL PERMIT. ADDITIONAL MEASURES TO CONTROL EROSION AND SEDIMENT MAY BE REQUIRED BY A REPRESENTATIVE OF THE COUNTY OR NCEQ.
3. CONTRACTOR SHALL FIELD LOCATE WASTE, BARROW, AND EQUIPMENT STORAGE. LOCATIONS SHALL BE DENOTED BY THE CONTRACTOR ON THE SITE MAPS.
4. IT IS THE CONTRACTORS RESPONSIBILITY TO PERFORM REQUIRED MAINTENANCE OF ALL EROSION CONTROL AND SEDIMENT CONTROL DEVICES TO ENSURE THEIR FUNCTIONALITY AT ALL TIMES. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED CONTINUOUSLY, RELOCATED WHEN NECESSARY, AND SHALL BE CHECKED AFTER EVERY RAINFALL. SEEDED AREAS SHALL BE CHECKED REGULARLY AND SHALL BE WATERED, FERTILIZED, RE-SEEDDED AND MULCHED AS NECESSARY TO OBTAIN A DENSE STAND OF GRASS.
5. STABILIZATION MEASURES SUCH AS DAMS, DIKES AND DIVERSIONS SHALL BE APPLIED TO ALL EROSION CONTROL MEASURES IMMEDIATELY AFTER INSTALLATION.
6. ACCUMULATED SEDIMENT SHALL BE REMOVED FROM THE SEDIMENT BASINS WHEN THE BASIN IS 50% FULL.
7. ACCUMULATED SEDIMENT IN SEDIMENT TRAPS AND DIVERSION DITCHES SHALL BE CLEANED OUT WHEN THE STORAGE CAPACITY HAS BEEN APPROXIMATED 20% FILLED. GRAVEL SHALL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS PROPERLY.
8. SEDIMENT SHALL BE REMOVED FROM BEHIND THE SILT FENCE WHEN IT BECOMES 6 INCHES DEEP AT THE FENCE. THE FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A SUFFICIENT BARRIER.
9. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED ONTO ADJACENT ROADWAYS BY VEHICLES EXITING THE SITE SHALL BE CLEANED OR REMOVED IMMEDIATELY.
10. CONTRACTORS SHALL PREVENT ANY SILTATION FROM ENTERING THE STORM SEWER SYSTEM. ALL INLETS AND INLET OPENINGS SHALL BE FULLY ENCLOSED WITH APPROPRIATE INLET PROTECTION DEVICES.
11. CONSTRUCTION ENTRANCE SHALL BE LOCATED SO AS TO PROVIDE THE LEAST AMOUNT OF DISTURBANCE TO THE FLOW OF TRAFFIC IN AND OUT OF THE SITE. ADDITIONALLY THE CONSTRUCTION ENTRANCE SHALL BE LOCATED TO COINCIDE WITH THE PHASING OF CONSTRUCTION. TEMPORARY GRAVEL CONSTRUCTION ENTRANCE SHALL BE REQUIRED AT ALL CONSTRUCTION STAGING AREA ENTRANCES AND ALL CONSTRUCTION ACCESS LOCATIONS INTO NON-PAVED AREA. TWO TO THREE INCH STONE SHALL BE USED FOR THE TEMPORARY GRAVEL CONSTRUCTION ENTRANCE. SEE EROSION CONTROL DETAIL SHEET.
12. ACCUMULATIONS OF TRACKED AND DEPOSITED SEDIMENT MUST BE REMOVED FROM OFF-SITE PAVED SURFACES WITHIN 24 HOURS OR SOONER IF REQUIRED. SEDIMENT TRACKING MUST BE MINIMIZED BY THE APPROPRIATE MANAGEMENT PRACTICE, LIKE A DEDICATED SITE EXIT WITH AN AGGREGATE SURFACE OR DESIGNATED OFFSITE PARKING AREA. CONTRACTOR IS RESPONSIBLE FOR STREET SWEEPING AND/OR SCRAPING IF YOUR PRACTICES ARE NOT ADEQUATE TO PREVENT SEDIMENT FROM BEING TRACKED FROM THE SITE. MUD ON THE PUBLIC ROADWAYS MUST BE CLEANED IMMEDIATELY.
13. WHEN A CRUSHED STONE CONSTRUCTION ENTRANCE HAS BEEN COVERED WITH SOIL OR HAS BEEN PUSHED INTO THE SOIL BY CONSTRUCTION TRAFFIC, IT SHALL BE REPLACED WITH A DEPTH OF STONE EQUAL TO THAT OF THE ORIGINAL APPLICATION.
14. CONTRACTOR SHALL PROVIDE INLET PROTECTION FOR ANY AFFECTED INLETS DOWNSTREAM OF THE PROPOSED IMPROVEMENTS, IF NEEDED.
15. THE CONTRACTOR SHALL LOCATE STAGING AREAS TO LIMIT THE EXPOSURE OF CONSTRUCTION MATERIALS TO STORMWATER APPURTENANCES.
16. WEEKLY INSPECTIONS OF BMP'S ARE REQUIRED AND INSPECTIONS ARE REQUIRED WITHIN 24 HOURS AFTER EVERY RAIN EVENT OF 0.5 INCHES WITHIN A 24 HOUR PERIOD. REFER TO THE SWPPP AND GENERAL PERMIT DOCUMENTS FOR INSPECTION/RECORD KEEPING REQUIREMENTS.
17. CONTRACTOR SHALL PLACE EROSION CONTROL BLANKET (NORTH AMERICAN GREEN SC150 OR APPROVED EQUAL) ON ALL SITE AREAS WITH SLOPES GREATER THAN 2:1, AND IN THE BOTTOM AND SIDE SLOPES OF ALL SWALES.
18. PRIOR TO FINAL ACCEPTANCE, HAUL ROADS AND WATERWAY CROSSINGS CONSTRUCTED FOR TEMPORARY CONTRACTOR ACCESS MUST BE REMOVED, ACCUMULATED SEDIMENT REMOVED FROM THE WATERWAY AND THE AREA RESTORED TO THE ORIGINAL GRADE AND REVEGETATED. ALL LAND CLEARING SHALL BE DISPOSED OF IN APPROVED SPOIL DISPOSAL SITES.
19. CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED. PERMANENT STABILIZATION SHALL BE ESTABLISHED AS DEFINED BY THE GENERAL PERMIT PRIOR TO FINAL ACCEPTANCE.
20. ALL CONTROL DEVICES THAT FUNCTION SIMILARLY TO SILT FENCE OR FIBER ROLLS MUST BE REPAIRED, REPLACED OR SUPPLEMENTED WITH EFFECTIVE CONTROLS WHEN THEY BECOME NONFUNCTIONAL OR THE SEDIMENT REACHES ONE-THIRD THE HEIGHT OF THE DEVICE. THESE REPAIRS MUST BE MADE WITHIN 24 HOURS OF THE RAINFALL EVENT OR AS SOON AS FIELD CONDITIONS ALLOW ACCESS.
21. ALL SEDIMENT DELTAS AND DEPOSITS MUST BE REMOVED FROM SURFACE WATERS, DRAINAGE WAYS, CATCH BASINS AND OTHER DRAINAGE SYSTEMS. ALL AREAS WHERE SEDIMENT REMOVAL RESULTED IN EXPOSED SOIL MUST BE RESTABILIZED. THE REMOVAL AND STABILIZATION MUST TAKE PLACE IMMEDIATELY, BUT NO MORE THAN 7 DAYS AFTER THE RAINFALL EVENT UNLESS PRECLUDED BY LEGAL, REGULATORY OR PHYSICAL ACCESS CONSTRAINTS. ALL REASONABLE EFFORTS MUST BE USED TO OBTAIN ACCESS. ONCE ACCESS IS OBTAINED, REMOVAL AND STABILIZATION MUST TAKE PLACE IMMEDIATELY, BUT NO MORE THAN 7 DAYS LATER. CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL APPROPRIATE AUTHORITIES AND RECEIVING THE APPLICABLE PERMITS PRIOR TO CONDUCTING ANY WORK.
22. PUMPING SEDIMENT LADEN WATER INTO ANY STORMWATER FACILITY THAT IS NOT DESIGNATED TO BE A SEDIMENT TRAP, DRAINAGEWAY, OR OFF-SITE AREA EITHER DIRECTLY OR INDIRECTLY WITHOUT FILTRATION IS PROHIBITED.
23. SOIL STOCKPILES SHALL NOT BE LOCATED IN A DRAINAGEWAY, FLOOD PLAIN AREA OR A DESIGNATED BUFFER. ALL STOCKPILES SHALL BE IMMEDIATELY STABILIZED AS REQUIRED BY THE GENERAL PERMIT.
24. ALL TEMPORARY STORMWATER EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED TRAPPED SEDIMENT AND OTHER DISTURBED SOILS RESULTING FROM TEMPORARY MEASURES SHALL BE PROPERLY DISPOSED OF PRIOR TO PERMANENT STABILIZATION.
25. DURING DEWATERING OPERATIONS, WATER SHALL BE PUMPED INTO AN APPROVED FILTERING DEVICE PRIOR TO DISCHARGE TO RECEIVING OUTLET. WATER REMOVED FROM TRAPS, BASINS, AND OTHER WATER HOLDING DEPRESSIONS OR EXCAVATIONS MUST FIRST PASS THROUGH A SEDIMENT CONTROL AND/OR FILTRATION DEVICE. WHEN DEWATERING DEVICES ARE USED, DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION.
26. ALL DRAINAGE SWALES MUST BE GRADED AND RIP-RAP MUST BE REPLACED AS REQUIRED TO CONTROL EROSION. RIP-RAP WILL CONSIST OF 50 - 125 POUND STONES PLACED AT ALL HEADWALLS, AND WHERE NOTED ON CONSTRUCTION DRAWINGS. SEE DETAIL SHEET FOR OUTFALL PIPE SIZE CHART.
27. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED FOR ADDITIONAL CONTRACTOR LAYDOWN AREA. CONTRACTOR TO COORDINATE WITH ENGINEER DURING CONSTRUCTION. THE LIMITS OF DISTURBANCE SHOULD CONTAIN ANY ADDITIONAL LAYDOWN AREAS. IF ADDITIONAL LAYDOWN AREA IS NEEDED OUTSIDE THE LIMITS OF DISTURBANCE, A REVISED EROSION CONTROL PLAN SHOULD BE REVIEWED AND PERMITTED.
28. NO PARKING SHALL BE LOCATED OUTSIDE THE LIMITS OF DISTURBANCE.
29. NO CONSTRUCTION LAYDOWN OR STAGING SHALL BE LOCATED OUTSIDE THE LIMITS OF DISTURBANCE.
30. CONTRACTOR TO ENSURE THAT SEDIMENT LADEN RUNOFF DOES NOT LEAVE SITE LIMITS OR ENTER PROTECTED AREAS. ANY SEDIMENT DEPOSITED BEYOND DISTURBED AREA WITHIN SITE LIMITS SHALL BE REMOVED.

CONSTRUCTION SEQUENCE

ONCE THE TRAILER, PARKING, LAYDOWN, WHEEL WASH, CONCRETE WASHOUT, MASON'S AREA, FUEL AND MATERIAL STORAGE MATERIAL STORAGE CONTAINERS, SOLID WASTE CONTAINERS, PAVEMENT PULVERIZATION, ETC. ARE IN PLACE, CONTRACTOR SHALL DENOTE THE LOCATIONS ON THE PLAN. IN ADDITION, NOTE ALL AREAS WHERE FILL IS IMPORTED FROM OR SOIL IS EXPORTED TO ON THE PLANS.

PHASE I

1. STAKE/FLAG THE LIMITS OF DISTURBANCE (LOD). THE LOD IS TO REMAIN CONSPICUOUSLY MARKED THROUGHOUT THE ENTIRE CONSTRUCTION PROJECT.
2. INSTALL SWPPP SIGN AND STABILIZED CONSTRUCTION EXIT.
3. INSTALL PERIMETER CONTROL SILT FENCES AND INLET PROTECTION AS SHOWN ON THE SITE MAPS. CLEAR ONLY THE MINIMUM AREA NECESSARY TO INSTALL THE PERIMETER CONTROL BMP'S.
4. PREPARE TEMPORARY PARKING, STORAGE AND STOCKPILE AREAS.

PHASE II

1. BEGIN CLEARING, GRUBBING, AND STRIPPING THE SITE.
2. BEGIN EARTHWORK/GRADING ACTIVITIES. MAINTAIN AND VERTICALLY ADJUST ALL INLET PROTECTION DEVICES, AND PERIMETER CONTROLS THROUGHOUT GRADING ACTIVITIES TO MAINTAIN DRAINAGE PATTERNS.
3. BEGIN PLACEMENT OF MATERIAL FOR THE PARKING LOT.
4. AS CONSTRUCTION CONTINUES, TEMPORARILY SEED DENUDED AREAS THAT WILL BE INACTIVE AS SPECIFIED IN THE GENERAL PERMIT. INSTALL EROSION CONTROL BLANKET ON SLOPES 3:1 OR GREATER.
5. BEGIN INSTALLATION OF STORM SEWERS AND CURBS AND GUTTERS.
6. INSTALL INLET PROTECTION PER THE DETAILS AT ALL STORM SEWER STRUCTURES AS EACH INLET STRUCTURE IS INSTALLED.
7. DILIGENTLY AND CONTINUOUSLY MAINTAIN ALL EROSION CONTROL DEVICES AND STRUCTURES TO MINIMIZE EROSION. PERMANENTLY STABILIZE AREAS TO BE VEGETATED AS THEY ARE BROUGHT TO FINAL GRADE.
8. TEMPORARILY OR PERMANENTLY STABILIZATION ALL AREAS WITHIN 7 DAYS OF REACHING INTERMEDIATE GRADE OR AS SPECIFIED BY THE GENERAL PERMIT.
9. PREPARE SITE FOR PAVING AND PAVE SITE.
10. INSTALL APPROPRIATE INLET PROTECTION DEVICES FOR PAVED AREAS AS WORK PROGRESSES.
11. COMPLETE GRADING AND INSTALL PERMANENT STABILIZATION OVER ALL AREAS WITHIN 7 DAYS OF REACHING FINAL GRADE OR AS SPECIFIED BY THE GENERAL PERMIT.
12. UPON PERMANENT STABILIZATION, AND CONCURRENCE OF STABILIZATION FROM MECKLENBURG COUNTY, REMOVE ALL REMAINING BMP'S.

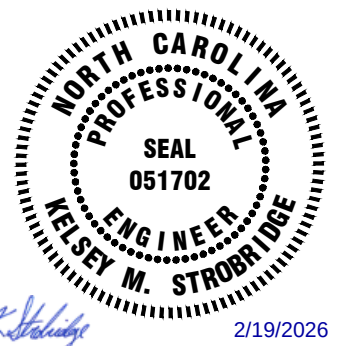


Know what's below.
Call before you dig.

JOHNSTON DRIVE
PARKING LOT
PREPARED FOR
TOWN OF PINEVILLE
PINEVILLE NC

SHEET NUMBER
C201

EROSION CONTROL
GENERAL NOTES

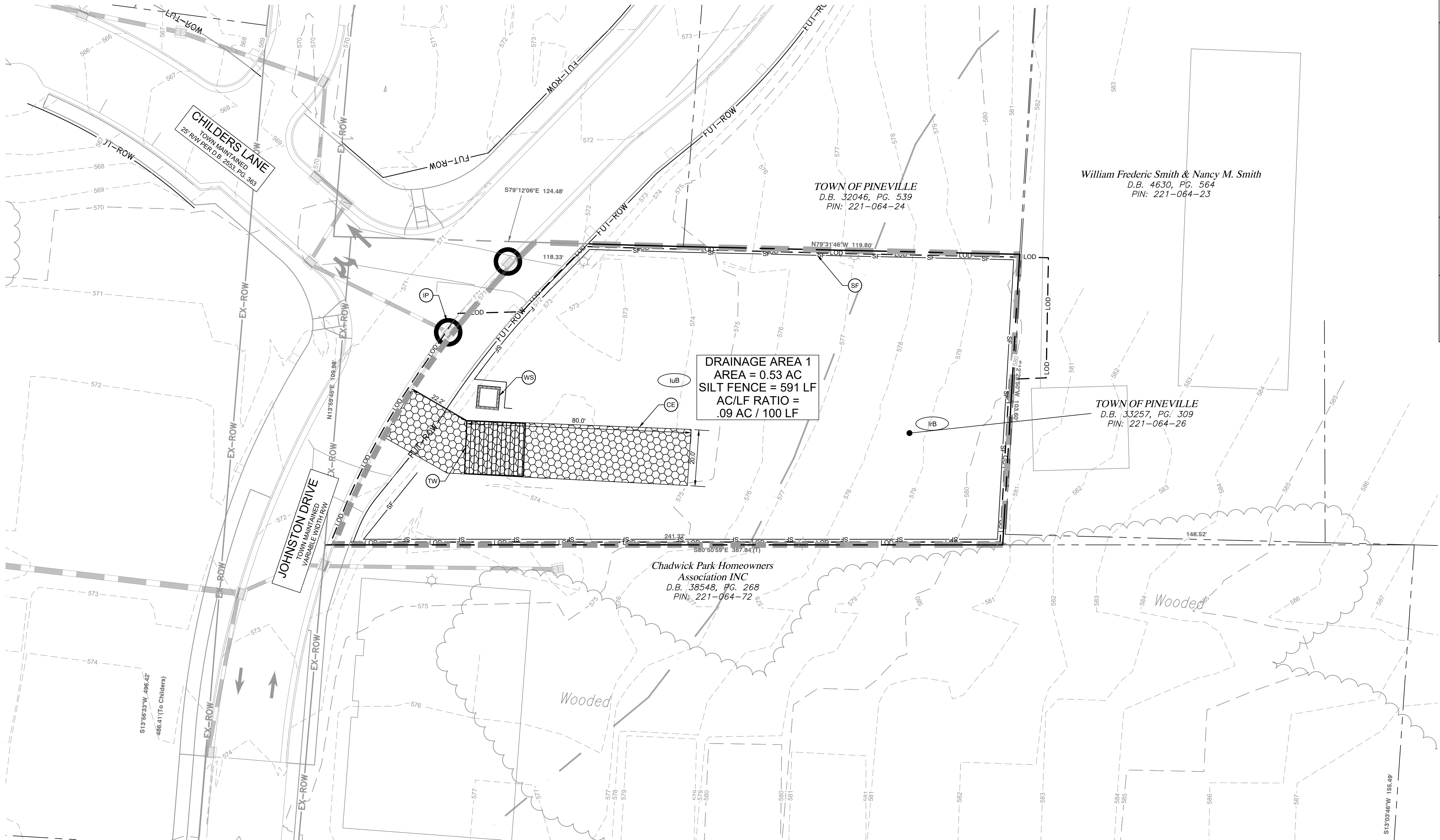


KH PROJECT
018036003
DATE
2/16/2026
SCALE
AS SHOWN
DESIGNED BY
TJR
DRAWN BY
TJR
CHECKED BY
KMS

Kimley»Horn
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200 SOUTH TRYON ST. SUITE 200, CHARLOTTE, NC 28202
PHONE: 704-335-5131
WWW.KIMLEY-HORN.COM
NC LICENSE #F-9102

REVISIONS	DATE	BY
No.		

Plotted By: Warren, Garrett Sheet Set: JOHNSTON DR PARKING LOT Layout: C202 - ESCP PH1 February 16, 2026 04:06:15pm K:\CHL_PRA\018036 Town of Pineville\03 Johnson Dr Alignment Design\02 CADD\10 SITE CIVIL\PlanSheets\C202 - ESCP PH1.dwg



PROPOSED ESCP LEGEND

LOD LIMITS OF DISTURBANCE
XX MAJOR CONTOUR
XX MINOR CONTOUR
XX EXISTING MAJOR CONTOUR
XX EXISTING MINOR CONTOUR
LIMITS OF DRAINAGE AREA
XxX SOIL TYPE
SOIL TYPE BOUNDARY
SF TEMPORARY SILT FENCE
CE CONSTRUCTION ENTRANCE
IP INLET PROTECTION
TW CONSTRUCTION ENTRANCE TIRE WASH
WS CONCRETE WASHOUT STATION
SA 0.00% SLOPE ARROW / FLOW ARROW

NOTES TO CONTRACTOR

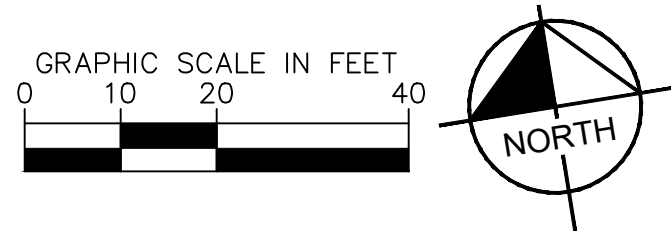
- REFER TO GENERAL NOTES SHEET FOR EROSION CONTROL NOTES.
- LITTLE SUGAR CREEK WATERSHED OF THE CATAWBA RIVER BASIN IS THE RECEIVING WATER BODY OF STORMWATER DISCHARGE FROM THIS SITE.
- ANY OFF-SITE BORROW AND WASTE REQUIRED FOR THIS PROJECT MUST COME FROM A SITE WITH AN APPROVED EROSION CONTROL PLAN. A SITE REGULATED UNDER THE MINING ACT OF 1971, OR A LANDFILL REGULATED BY THE DIVISION OF SOLID WASTE MANAGEMENT. TRASH/DEBRIS FROM DEMOLITION ACTIVITIES OR GENERATED BY ANY ACTIVITIES ON SITE MUST BE DISPOSED OF AT A FACILITY REGULATED BY THE DIVISION OF SOLID WASTE MANAGEMENT OR PER DIVISION OF SOLID WASTE MANAGEMENT OR DIVISION OF WATER RESOURCES RULES AND REGULATIONS.
- STOCKPILES SHOULD NOT BE LOCATED WITHIN 50 FEET OF ANY STORM DRAIN, BASIN, OR STREAM UNLESS NO ALTERNATIVE IS FEASIBLE.
- EFFECTIVE OCTOBER 1, 2010, PERSONS RESPONSIBLE FOR LAND DISTURBING ACTIVITIES MUST INSPECT THE SEDIMENT AND EROSION CONTROL MEASURES ON A PROJECT AFTER EACH PHASE OF THE PROJECT TO MAKE SURE THAT THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN IS BEING FOLLOWED. SELF INSPECTION REPORTS ARE REQUIRED. A SAMPLE SELF-INSPECTION REPORT, AS WELL AS DETAILS OF THE SELF-INSPECTION PROGRAM, CAN BE FOUND ON THE LAND QUALITY WEB SITE.

DISTURBED AREA

TOTAL - ± 0.52 - ACRE

SOIL TYPES LEGEND:

lB - Iredell fine sandy loam, 1 to 8 percent slopes
luB - Iredell-Urban land complex, 0 to 8 percent slopes



JOHNSTON DRIVE
PARKING LOT
PREPARED FOR
TOWN OF PINEVILLE
PINEVILLE

EROSION CONTROL
PLAN - PHASE 1

NC

811
Know what's below.
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SHEET NUMBER
C202

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PHONE: 704-335-5131
WWW.KIMLEY-HORN.COM
NC LICENSE #F-9102

PROFESSIONAL
ENGINEER
SEAL
051702
WESLEY M. STROMBERG

01/19/2026

KH PROJECT
018036003

DATE
2/16/2026

SCALE AS SHOWN

DESIGNED BY TJR

DRAWN BY TJR

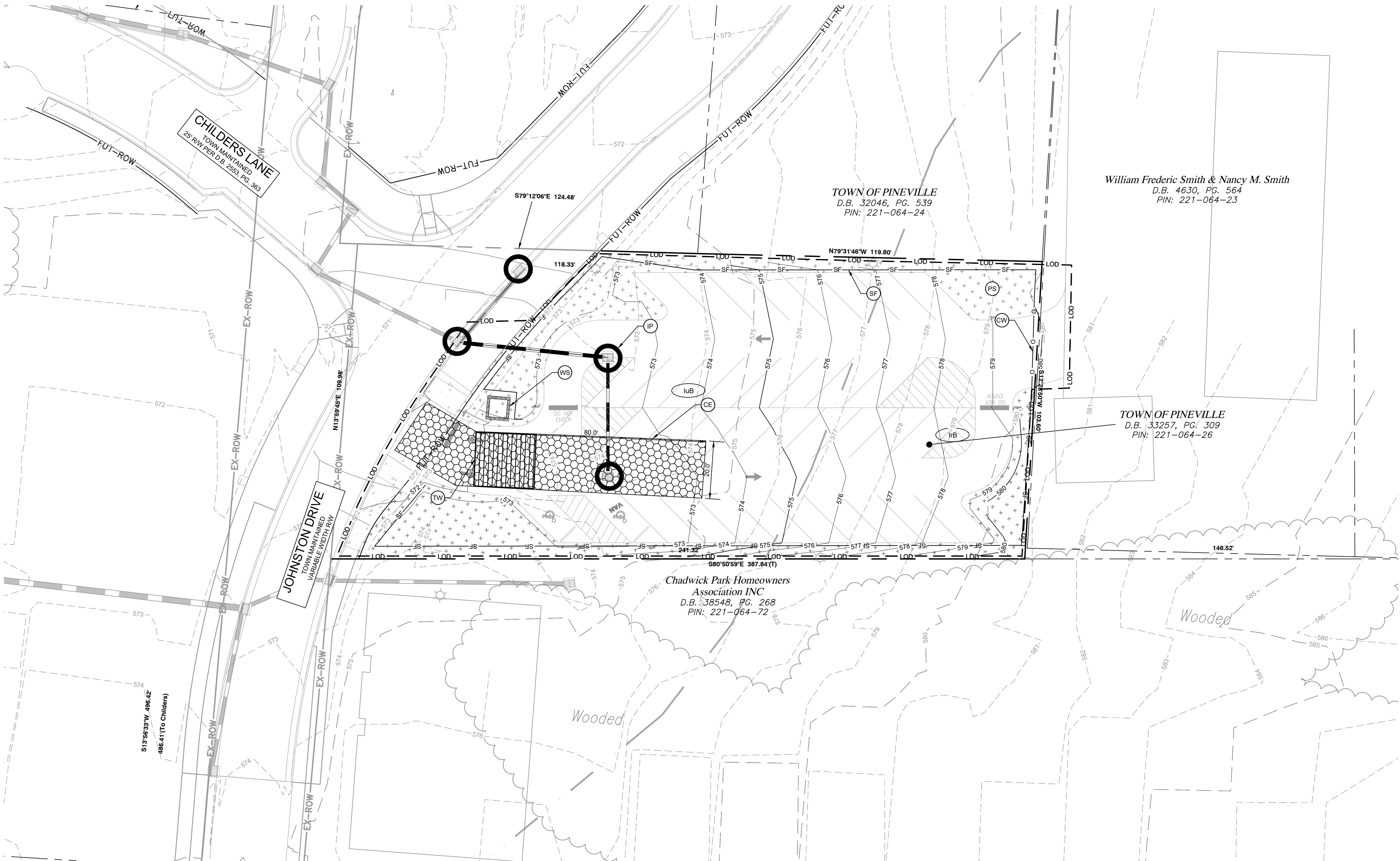
CHECKED BY KMS

REVISIONS

DATE

BY

Plotted By:Warren, Garrett Sheet Set:JOHNSTON DR PARKING LOT Layout:C203 - ESCP PH2 February 16, 2026 04:06:47pm K:\CHL_PRA\018036 Town of Pineville\03 Johnston Dr Alignment Design\02 CADD\10 SITE CIVIL\PlanSheets\C203 - ESCP PH2.dwg



PROPOSED ESCP LEGEND

LOD ——— LIMITS OF DISTURBANCE
XX ——— MAJOR CONTOUR
XX ——— MINOR CONTOUR
XX ——— EXISTING MAJOR CONTOUR
XX ——— EXISTING MINOR CONTOUR
——— LIMITS OF DRAINAGE AREA
Xxx SOIL TYPE
——— SOIL TYPE BOUNDARY
SF ——— TEMPORARY SILT FENCE
O ——— 12" COIR WATTLE/FILTREX FILTER SOXX
CE CONSTRUCTION ENTRANCE
IP INLET PROTECTION
TW CONSTRUCTION ENTRANCE TIRE WASH
WS CONCRETE WASHOUT STATION
SA 0.00% SLOPE ARROW / FLOW ARROW
PS PERMANENT SEEDING/STABILIZATION

NOTES TO CONTRACTOR

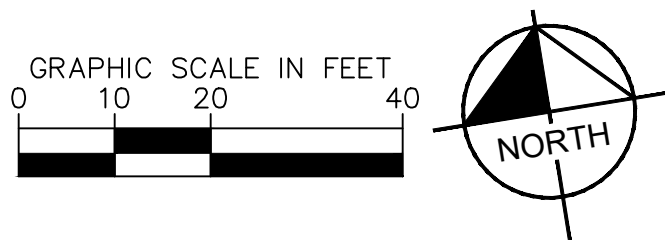
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- LITTLE SUGAR CREEK WATERSHED OF THE CATAWBA RIVER BASIN IS THE RECEIVING WATER BODY OF STORMWATER DISCHARGE FROM THIS SITE.
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DISTURBED AREA

TOTAL - ± 0.52 - ACRE

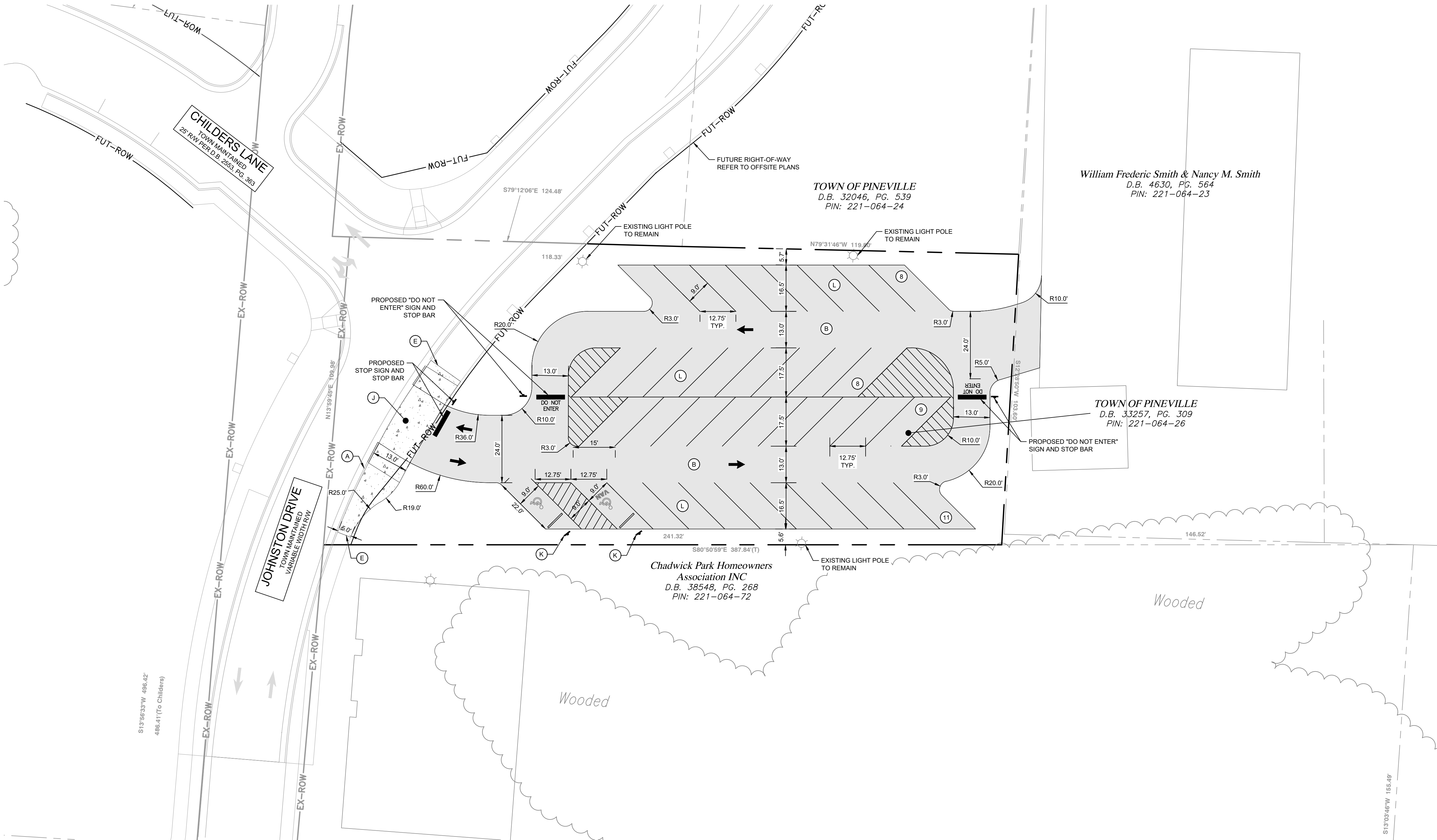
SOIL TYPES LEGEND:

IB - Irredell fine sandy loam, 1 to 8 percent slopes
IUB - Irredell-Urban land complex, 0 to 8 percent slopes



JOHNSTON DRIVE PARKING LOT PREPARED FOR TOWN OF PINEVILLE	SHEET NUMBER C203	EROSION CONTROL PLAN - PHASE 2	KH PROJECT 018036003 DATE 2/16/2026 SCALE AS SHOWN DESIGNED BY TJR DRAWN BY TJR CHECKED BY KMS	NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 051702 WESLEY M. STROMBERG 2/19/2026	Kimley»Horn © 2026 KIMLEY-HORN AND ASSOCIATES, INC. 200 SOUTH TRYON ST. SUITE 200, CHARLOTTE, NC 28202 PHONE: 704-335-5131 WWW.KIMLEY-HORN.COM NC LICENSE #F-5102	REVISIONS	DATE	BY

Plotted By: Warren, Garrett Sheet Set: JOHNSTON DR PARKING LOT Layout: C301 - SITE OVERALL February 16, 2026 04:07:14pm K:\CHL PRJ0718038 Town of Pineville\003 Johnston Dr. Alignment - Design\04 CADD\10 SITE CIVIL\PlanSheets\C301 - SITE OA.dwg



SITE LEGEND	
(A)	2'-6" CONCRETE CURB AND GUTTER, TYP. (SEE DETAIL SHEETS)
(B)	STANDARD DUTY ASPHALT PAVEMENT (SEE DETAIL SHEETS)
(C)	STANDARD DUTY CONCRETE SIDEWALK
(D)	TIE IN CURB TO EXISTING, MATCH ELEVATION.
(E)	TIE INTO EXISTING SIDEWALK, MATCH ELEVATION.
(F)	EXISTING LIGHT POLE TO REMAIN
(G)	EXISTING POWER POLE TO REMAIN
(H)	STOP BAR (SEE DETAIL SHEETS)
(I)	"STOP" SIGN (SEE DETAIL SHEETS)
(J)	COMMERCIAL TYPE II DRIVEWAY PER PLDSM 10.24A
(K)	ACCESSIBLE PARKING SIGNAGE PER PLDSM 50.10A
(L)	45° ANGLED PARKING PER PLDSM 50.09A

SITE PLAN LEGEND:

FUT-ROW

FUTURE ROW LINE

STANDARD DUTY ASPHALT PAVEMENT

STANDARD DUTY CONCRETE SIDEWALK

ADA PEDESTRIAN CROSSWALK

PAINTED ISLANDS (~2' O.C. @ 45°)

TRAFFIC ARROWS

SIGNS - SINGLE / DOUBLE

BOLLARD / WHEEL STOP

STOP BAR, "STOP" MARKING & SIGN

NOTE TO CONTRACTOR:
CONTRACTOR TO REFERENCE CITY OF PINEVILLE
LAND DEVELOPMENT STANDARDS MANUAL (PLDSM)
FOR MINIMUM DESIGN AND MATERIAL STANDARDS
FOR ALL STREETS AND SIDEWALKS

- SITE NOTES**
- ALL DIMENSIONS ARE BASED FROM FACE OF CURB TO FACE OF CURB UNLESS OTHERWISE NOTED.
 - SEE EXISTING CONDITIONS SHEET FOR COMPLETE BOUNDARY DESCRIPTION, ADJOINING PROPERTIES, ZONING AND USE.
 - SEE GENERAL NOTES SHEET FOR SITE PLAN AND ZONING NOTES.
 - ALL ON-SITE STRIPING IS TO BE PAINTED, UNLESS OTHERWISE NOTED.
 - WHERE SURFACE MATERIALS CHANGE AND/OR SPECIALTY PAVERS ARE INDICATED, THERE SHALL BE A SMOOTH TRANSITION. NO LEVEL CHANGE SHALL EXCEED $\frac{1}{4}"$ VERTICAL RISE OR $\frac{1}{4}"$ BEVELED WITH A MAXIMUM 1:2 SLOPE. SEE GRADING PLAN.

PARKING SUMMARY	
EXISTING PARKING COUNT	35 SPACES
PROPOSED PARKING COUNT	36 SPACES

GRAPHIC SCALE IN FEET

0 10 20 40

NORTH

811

Know what's below.
Call before you dig.

JOHNSTON DRIVE
PARKING LOT
PREPARED FOR
TOWN OF PINEVILLE

PINEVILLE NC

SHEET NUMBER
C301

Kimley»Horn

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NC LICENSE #F-002

NORTH CAROLINA
PROFESSIONAL
ENGINEER
JAMES M. STROMBERG

SEAL
051702

2/19/2026

KH PROJECT
018036003

DATE
2/16/2026

SCALE AS SHOWN

DESIGNED BY TJR

DRAWN BY TJR

CHECKED BY KMS

REVISIONS

DATE

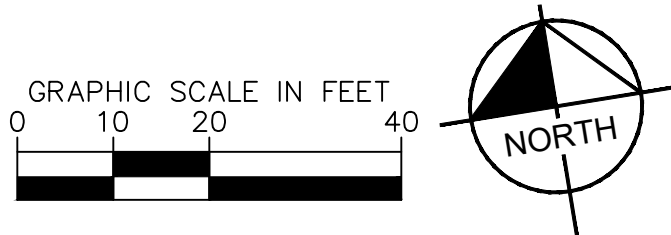
BY

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



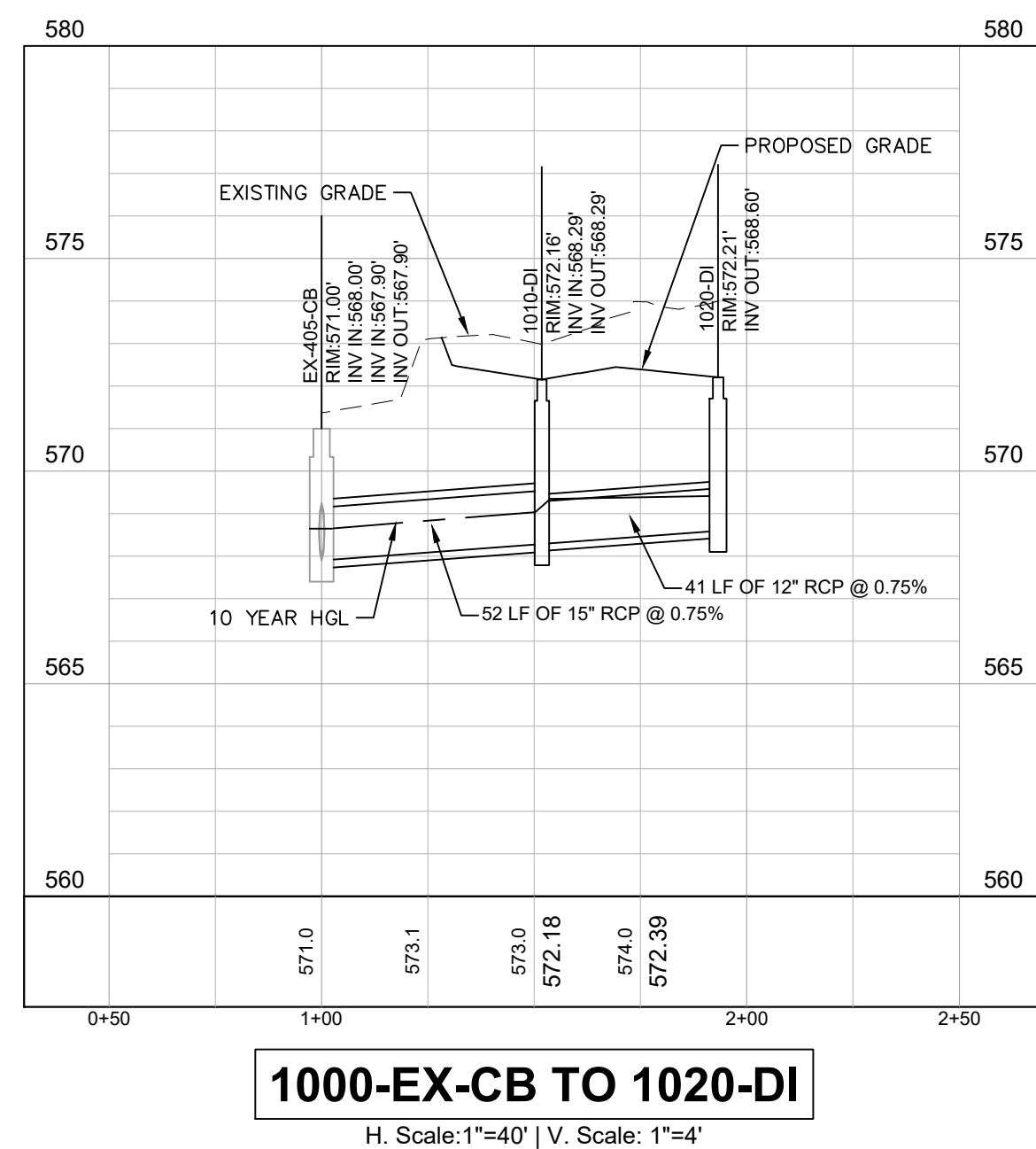
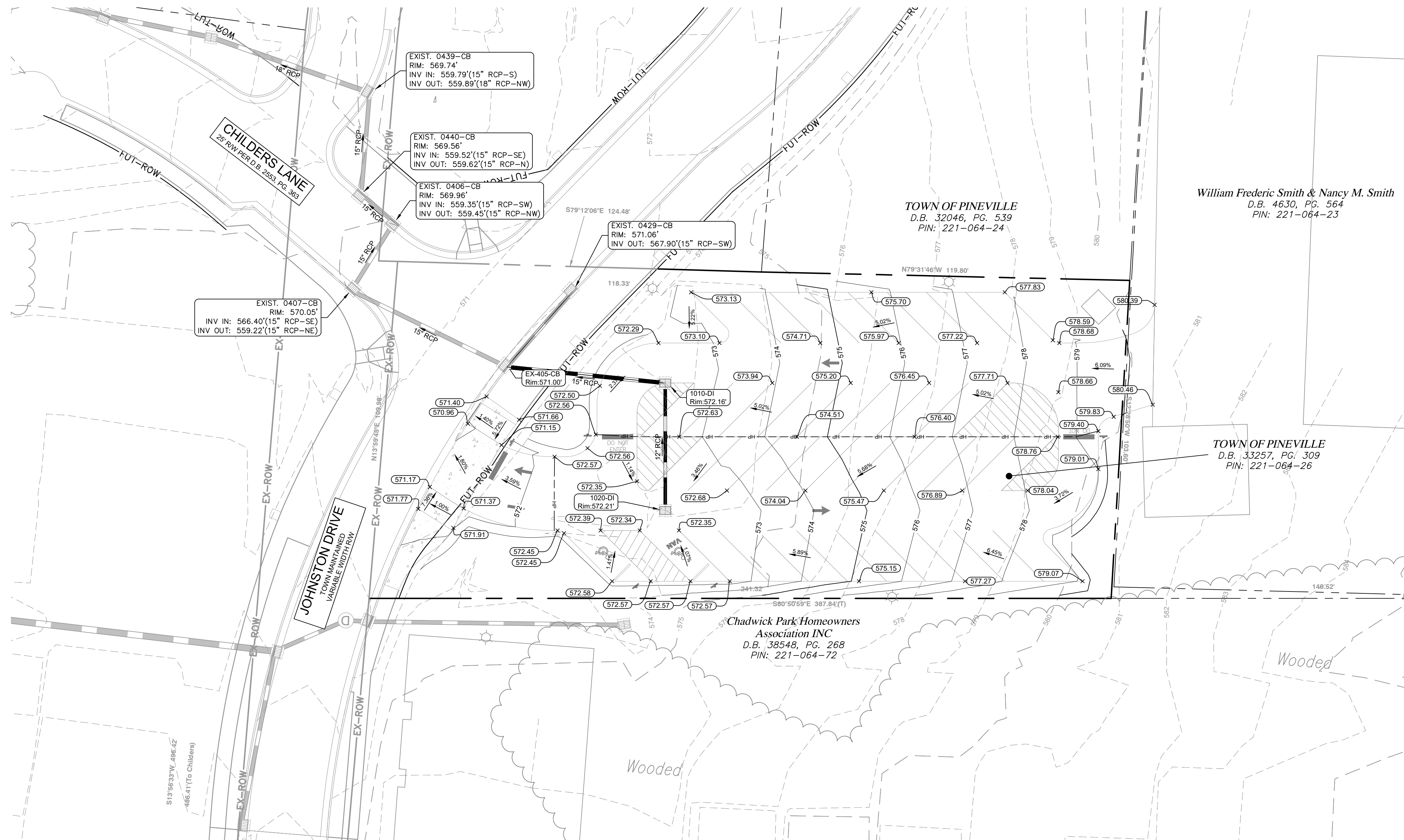
1. ALL DIMENSIONS ARE BASED FROM FACE OF CURB TO FACE OF CURB UNLESS OTHERWISE NOTED.
2. SEE EXISTING CONDITIONS SHEET FOR COMPLETE BOUNDARY DESCRIPTION, ADJOINING PROPERTIES, ZONING AND USE.
3. SEE GENERAL NOTES SHEET FOR SITE PLAN AND ZONING NOTES.
4. ALL ON-SITE STRIPING IS TO BE PAINTED, UNLESS OTHERWISE NOTED.
5. WHERE SURFACE MATERIALS CHANGE AND/OR SPECIALTY PAVERS ARE INDICATED, THERE SHALL BE A SMOOTH TRANSITION. NO LEVEL CHANGE SHALL EXCEED $\frac{1}{4}$ " VERTICAL RISE OR $\frac{1}{4}$ " BEVELED WITH A MAXIMUM 1:2 SLOPE. SEE GRADING PLAN.

F150 SuperCab 4x4 STYLESIDE 8' Box	
Overall Length	20.858ft
Overall Width	6.575ft
Overall Body Height	6.392ft
Min Body Ground Clearance	0.833ft
Track Width	6.575ft
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	26.150ft



Know what's below.
Call before you dig.

SHEET NUMBER
C302
JOHNSTON DRIVE PARKING LOT PREPARED FOR TOWN OF PINEVILLE PINEVILLE NC
TRUCK TURN
KH PROJECT 018036003
DATE 2/16/2026
SCALE AS SHOWN
DESIGNED BY TJR
DRAWN BY TJR
CHECKED BY KMS
NORTH CAROLINA PROFESSIONAL SEAL 051702 ELSET M. STROMBERG  2/19/2026
Kimley»Horn © 2026 KIMLEY-HORN AND ASSOCIATES, INC. 200 SOUTH TRYON STREET SUITE 200 CHARLOTTE NC 28202 PHONE 704-335-5101 WWW.KIMLEY-HORN.COM NC LICENSE #F-0102
No.
REVISIONS
DATE
BY



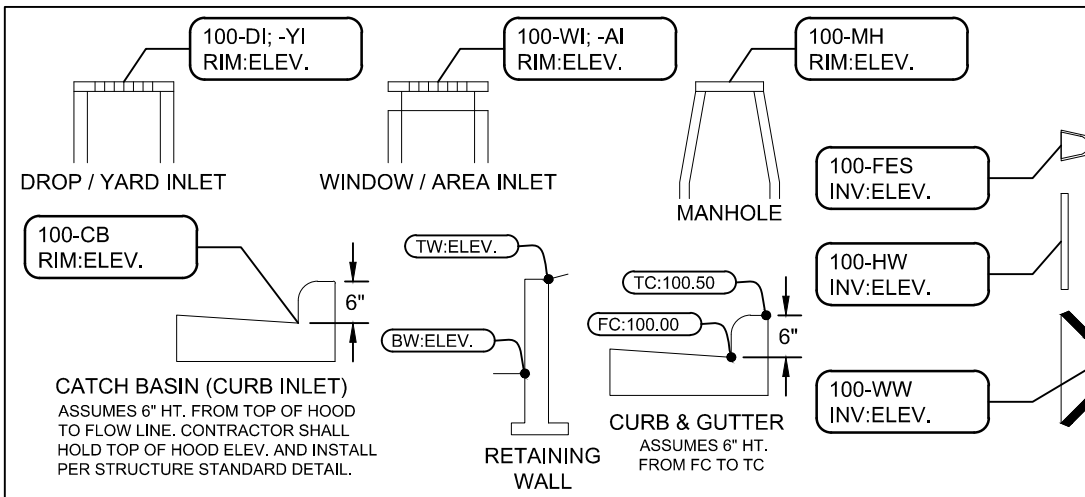
GRADING NOTES:

1. REFER TO THE GENERAL NOTES SHEET FOR NOTES PERTAINING TO PAVING, GRADING, ACCESSIBILITY, AND STORM DRAINAGE.
2. EXISTING AND PROPOSED GRADE CONTOURS INTERVALS SHOWN AT 1 FOOT.
3. ALL SPOT ELEVATIONS WITH FC: REPRESENTS THE FACE OF CURB AT THE GUTTER LINE. (ADD 0.50' FOR TOP OF CURB.)
4. ALL SPOT ELEVATIONS WITH TC: REPRESENTS THE TOP OF CURB ELEVATION. (SUBTRACT 0.50' FOR PAVEMENT OR ELEVATION OF GUTTER AT CURB LINE.)
5. RIM: ELEVATIONS OF CATCH BASINS (CURB INLETS) EQUALS THE FLOW LINE OF THE GUTTER PLUS THE ELEVATION OF THE DROP INLETS, MANHOLES, AND CLEANOUTS EQUALS THE CENTER OF GRADE OR LID ELEVATION.
6. ALL STRUCTURES SHALL BE ADJUSTED AS NECESSARY TO BE FLUSH WITH FINAL PAVEMENT.
7. MANHOLES WITHIN NON PAVED AREAS SHALL BE 6" ABOVE ADJACENT GRADES. UNLESS OTHERWISE SHOWN.
8. CONTRACTOR SHALL PROVIDE SMOOTH TRANSITION BETWEEN PROPOSED PAVEMENT AND EXISTING PAVEMENT AND STORM STRUCTURES
9. DURING CONSTRUCTION AND AFTER FINAL GRADING, NO SURFACE WATER RUNOFF MAY BE DIRECTED TO ADJACENT PROPERTIES, AND ALL SURFACE WATER RUNOFF MUST BE ROUTED TO APPROVED DRAINAGE FACILITIES OR BE RETAINED ON SITE. ALL RUNOFF FROM THE SITE, BOTH DURING AND AFTER CONSTRUCTION, MUST BE FREE OF POLLUTANTS, INCLUDING SEDIMENT, PRIOR TO DISCHARGE.

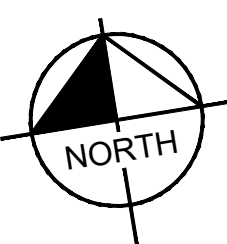
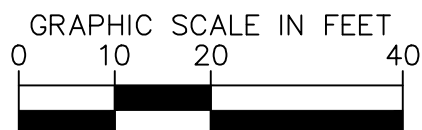
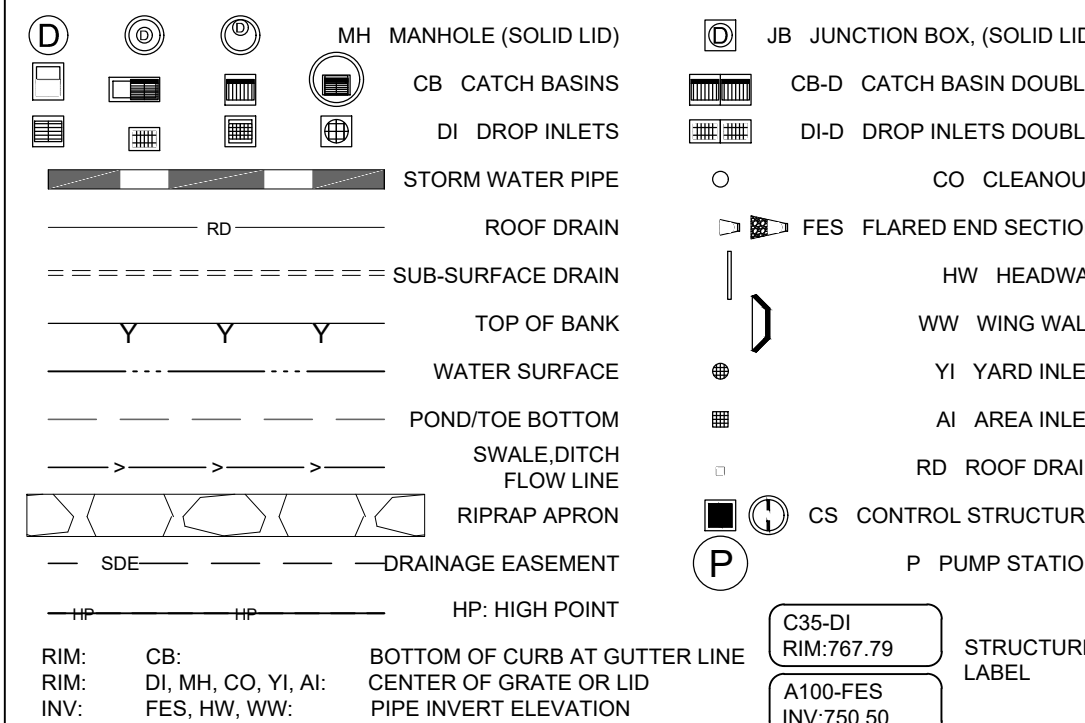
ADA COMPLIANCE:

- A. CURB RAMPS ALONG PUBLIC STREETS AND IN THE PUBLIC RIGHT-OF-WAY SHALL BE CONSTRUCTED BASED ON THE CITY STANDARD CONSTRUCTION DETAILS AND SPECIFICATIONS.
- B. PRIVATE CURB RAMPS ON THE SITE (I.E. OUTSIDE PUBLIC STREET RIGHT-OF-WAY) SHALL CONFORM TO THE ADA STANDARDS FOR ACCESSIBLE DESIGN AND SHALL HAVE A DETECTABLE WARNING SURFACE IF IT IS LOCATED AT A CROSSWALK OR CROSSING INCLUDING:
 - 1. ALL ACCESSIBLE ROUTES, GENERAL SITE AND BUILDING ELEMENTS, RAMPS, CURB RAMPS, STRIPING, AND PAVEMENT MARKINGS SHALL CONFORM TO ADA STANDARDS FOR ACCESSIBLE DESIGN, LATEST EDITION.
- D. ANY COMPONENTS OF THE PROJECT SERVING MULTIFAMILY DWELLINGS IN BUILDINGS THAT HAVE 4 OR MORE UNITS PER DWELLING SHALL ALSO CONFORM TO THE FAIR HOUSING ACT (FHA), AND COMPLY WITH THE FAIR HOUSING ACT DESIGN MANUAL BY THE US DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT.
- E. BEFORE PLACING PAVEMENT, CONTRACTOR SHALL VERIFY THAT SUITABLE ACCESSIBLE PEDESTRIAN ROUTES (PER ADA AND FHA) EXIST TO AND FROM EVERY DOOR AND ALONG SIDEWALKS, ACCESSIBLE PARKING SPACES, ACCESS AISLES, AND ACCESSIBLE ROUTES. IN NO CASE SHALL AN ACCESSIBLE RAMP SLOPE EXCEED 1 VERTICAL TO 12 HORIZONTAL. IN NO CASE SHALL SIDEWALK CROSS SLOPE EXCEED 2.0 PERCENT. IN NO CASE SHALL LONGITUDINAL SIDEWALK SLOPE EXCEED 5 PERCENT. ACCESSIBLE PARKING SPACES AND ACCESS AISLES SHALL NOT EXCEED 2.0 PERCENT SLOPE IN ANY DIRECTION.
- F. CONTRACTOR SHALL TAKE FIELD SLOPE MEASUREMENTS ON FINISHED SUBGRADE AND FORM BOARDS PRIOR TO PLACING PAVEMENT TO VERIFY THAT ACCESSIBLE SLOPE REQUIREMENTS ARE PROVIDED. CONTRACTOR SHALL CONTACT ENGINEER PRIOR TO PAVING IF ANY EXISTING SLOPE ARE ENCOUNTERED. NO CONTRACTOR CHANGE ORDERS WILL BE ACCEPTED FOR ADA COMPLIANCE ISSUES.

SPOT GRADE SCHEMATIC



STORM WATER & DRAINAGE LEGEND



Know what's below
Call before you dig

**JOHNSTON DRIVE
PARKING LOT
PREPARED FOR
TOWN OF PINEVILLE**

GRADING AND DRAINAGE PLAN

KH PROJECT
018036003DATE
2/16/2026

SCALE	AS SHOW	DESIGNED BY	TJ
-------	---------	-------------	----

DRAWN BY T.



Kimley»Horn

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PHONE: 704-333-5131
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NC LICENSE #F-0102

Plotted By: Warren, Garrett Sheet Set: JOHNSTON DR PARKING LOT Layout: C401-GRDG DRNG OA February 16, 2026 04:07:44pm K:\CHL_PRJ\018036 Town of Pineville\003 Johnston Dr Alignment - Design\04 CADD\10 SITE CIVIL\PlanSheets\C401 - GRDG DRNG OA.dwg

Plotted By:Warren, Garrett, Sheet Set:JOHNSTON DR PARKING LOT, Layout:SITE-DET-1, February 16, 2026, 04:08:31pm, K:\CHL - PRE\JO18038 Town of Pineville\003 Johnson Dr Alignment - Design\04_CADD\10_SITE CIVIL\PlanSheets\C901 - SITE-DTLS.dwg

GROOVE JOINT IN SIDEWALK

TRANSVERSE EXPANSION JOINT IN SIDEWALK

GENERAL NOTES:

- A GROOVE JOINT 1" DEEP WITH 1/8" RADI SHALL BE REQUIRED IN THE CONCRETE SIDEWALK AT 5' INTERVALS. ONE 1/2" EXPANSION JOINT WILL BE REQUIRED AT 45' INTERVALS NOT TO EXCEED 50' AND MATCHING EXPANSION/CONSTRUCTION JOINT IN ADJACENT CURB. A SEALED 1/2" EXPANSION JOINT WILL BE REQUIRED WHERE THE SIDEWALK JOINS ANY RIGID STRUCTURE.
- SIDEWALK AT DRIVEWAY ENTRANCES TO BE 6" THICK.
- WIDTH OF SIDEWALK ON THOROUGHFARE STREETS SHALL BE A MINIMUM OF 5'. WIDTH OF SIDEWALKS IN THE CENTRAL BUSINESS DISTRICT WILL BE DETERMINED BY THE TOWN PLANNING DEPT.
- WIDTH OF SIDEWALKS ON NON-THOROUGHFARE STREETS SHALL BE A MINIMUM OF 5'.
- SIDEWALK TO BE POURED TO END OF RADIUS AT INTERSECTING STREETS.
- CONCRETE COMPRESSIVE STRENGTH SHALL BE 3600 PSI. IN 28 DAYS.
- ZONING CONDITIONS MAY REQUIRE ADDITIONAL WIDTH SIDEWALKS WHICH SHALL SUPERSEDE THESE STANDARD DIMENSIONS SHOWN.
- TRANSVERSE EXPANSION JOINTS SHALL BE FILLED WITH AN ELASTIC EPOXY FROM THE FILLER TO FLUSH WITH THE TOP OF THE SIDEWALK.
- CONCRETE SHALL BE PLACED ON MINIMUM 6" ABC STONE COMPACTED TO 95% DENSITY, OR PLACED ON SUBGRADE COMPACTED TO 95% DENSITY WITH GEGRID 1100 MAT.

DETAILS SHOWING EXPANSION JOINTS IN CONCRETE SIDEWALK

NOT TO SCALE

REV. DATE
2/29/20

SID. NO. REV.
10.22 4

TOWN OF PINEVILLE
LAND DEVELOPMENT
STANDARDS

CONCRETE SIDEWALKS

NOTE:

- 1/2" EXPANSION JOINTS REQUIRE INSTALLATION OF ONE 1/2" THICK PIECE OF BITUMINOUS FIBER THROUGH THE ENTIRE SLAB.
- TO LIMIT STORM WATER FLOW DOWN DRIVEWAYS, USE PLDS 10.24C FOR DRIVEWAYS NEAR LOW POINTS.
- ALL DRIVEWAYS MUST MEET THE CURRENT TOWN DRIVEWAY REGULATIONS AND NOTOT REQUIREMENTS FOR SPACING, SIGHT DISTANCE AND OFFSETS FROM PROPERTY LINES AND INTERSECTIONS.
- *A* BREAKOVER SHALL BE 8% OR LESS (A = ALGEBRAIC DIFFERENCE).
- PRIOR APPROVAL IS REQUIRED BY CDOT ON GRADES EXCEEDING WHAT ARE SHOWN.

SECTION A - A

SECTION B - B

NOT TO SCALE

GENERAL NOTES:

ALL CONCRETE TO BE 3600 P.S.I. COMPRESSIVE STRENGTH.

ALL CURB, CURB AND GUTTER AND SIDEWALKS ARE TO BE REMOVED TO THE NEAREST JOINT BEYOND NEW CONSTRUCTION OR CUT WITH A SAW AND REMOVED. SAW OUT JOINT TO BE PERPENDICULAR TO EDGE OF EXISTING PAVEMENT.

SEE PLDS 10.17B FOR DETAIL OF EXPANSION JOINT AND GROOVE JOINT.

* MUST PROVIDE ON-SITE TURNAROUND

DRIVEWAY WIDTH		
TYPE DRIVEWAY	MINIMUM	MAXIMUM
TYPE I-RESIDENTIAL: LOCAL/COLLECTOR THOROUGHFARE*	10'	30'
ONE-WAY TYPE II COMMERCIAL	20'	30'
TWO-WAY TYPE II COMMERCIAL	26'	50'

TOWN OF PINEVILLE
LAND DEVELOPMENT
STANDARDS

COMMERCIAL TYPE II AND RESIDENTIAL TYPE I DROP CURB DRIVEWAY WITH SIDEWALK ABUTTING CURB (2'-6" CURB AND GUTTER)

RECOMMENDED

PARKING ANGLE 90° (TWO WAY OPERATION ONLY)

PARKING ANGLE 60° (ONE WAY OPERATION ONLY)

PARKING ANGLE 45° (ONE WAY OPERATION ONLY)

NOTES:

- FOR ACCESSIBLE PARKING STANDARDS/SIGNAGE, SEE PLDS 50.10A AND B.
- PAVEMENT MARKINGS SHALL BE 4" WHITE PAINT.
- ALTERNATIVE PARKING ANGLES, AISLE WIDTHS, AND OPERATION (TWO-WAY ANGLED PARKING OR REVERSE-ANGLE PARKING) WILL BE CONSIDERED BY TOWN ENGINEER ON A CASE-BY-CASE BASIS.

NOT TO SCALE

REV. DATE
8/1/19

SID. NO. REV.
50.09A 3

TOWN OF PINEVILLE
LAND DEVELOPMENT
STANDARDS

PARKING STANDARDS

PARKING ON ONE SIDE OF A SIDEWALK

PARKING ON BOTH SIDES OF A SIDEWALK

NOTES:

- REVERSE CURVES NOT NECESSARY IF ADEQUATE DRAINAGE CAN BE PROVIDED THAT WILL ENSURE THAT SEDIMENT, WATER, DEBRIS, ETC., DOES NOT COLLECT IN 90-DEGREE CORNERS.
- PARALLEL ACCESSIBLE SPACES AND LOADING ZONES TO BE REVIEWED ON A CASE-BY-CASE BASIS.
- FOR PARKING BAYS THAT ARE 8 FEET IN WIDTH OR GREATER, THE PAVEMENT MARKINGS SHALL BE SET AT ONE (1) FOOT LESS THAN THE STALL WIDTH.
- GREATER SEPARATION FROM INTERVENING STREETS THAN THE DISTANCES PROVIDED BELOW MAY BE REQUIRED AT THE TOWN ENGINEER'S DISCRETION.
- POSITIVE DRAINAGE SHALL BE PROVIDED EITHER BY INSTALLATION OF APPROPRIATE DRAINAGE STRUCTURES OR SLOPE PARKING AREA TO STREET FLOW LINE. SLOPING PARKING AREA TO STREET FLOW LINE ONLY PERMITTED IF ROAD GRADE IS GREATER THAN 2%.
- IF A BIKE LANE IS REQUIRED ADJACENT TO PARALLEL PARKING, THE MINIMUM WIDTH OF BIKE LANE IS 6'.

PARALLEL PARKING STANDARDS

NOT TO SCALE

REV. DATE
2/29/20

SID. NO. REV.
50.09B 4

TOWN OF PINEVILLE
LAND DEVELOPMENT
STANDARDS

PARKING STANDARDS, CONT.

ACCESSIBLE PARKING REQUIREMENTS

TOTAL PARKING SPACES PROVIDED	MINIMUM NUMBER OF ACCESSIBLE SPACES REQUIRED	MINIMUM NUMBER OF ACCESSIBLE SPACES REQUIRED TO BE VAN ACCESSIBLE
1 TO 25	1	1
26 TO 50	2	1
51 TO 75	3	1
76 TO 100	4	1
101 TO 150	5	1
151 TO 200	6	1
201 TO 300	7	1
301 TO 400	8	1
401 TO 500	9	2
501 TO 1000	2% OF TOTAL	1 IN EVERY 8 ACCESSIBLE SPACES
1001 AND OVER	20 PLUS 1 FOR EACH 100 OVER 1000	1 IN EVERY 8 ACCESSIBLE SPACES

REF.: SECTION 208 OF THE ADA STANDARDS FOR ACCESSIBLE DESIGN

PARKING SPACE PAVEMENT MARKINGS

NOT TO SCALE

NOTES:

- ALL 12"x18" ACCESSIBLE SIGNS (R7-8 & R7-1) SHALL BE MOUNTED AT 7 FEET FROM GRADE TO BOTTOM EDGE OF SIGN FACE (MUTCD). MOUNTING HEIGHT CAN BE REDUCED TO 5 FEET IF PLACED IN AN AREA BETWEEN SIDEWALK AND BUILDING FACE IN WHICH PEDESTRIANS ARE NOT EXPECTED TO USE.
- REFER TO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, (MUTCD) U.S. DEPARTMENT OF TRANSPORTATION AND NORTH CAROLINA DEPARTMENT OF TRANSPORTATION SUPPLEMENT.
- IF ACCESSIBLE ROUTE IS A RAISED SIDEWALK AREA, THEN RAMPS ARE REQUIRED AT LOADING ZONE AREA.
- SIGNAGE MUST NOT OBSTRUCT ACCESSIBLE ROUTE OR RAMPS.

TOWN OF PINEVILLE
LAND DEVELOPMENT
STANDARDS

ACCESSIBLE PARKING AND SIGNAGE STANDARDS

SUPPLEMENTAL VAN ACCESSIBLE SIGN (R7-8P)

NOT TO SCALE

NOTES:

- SUPPLEMENTAL VAN ACCESSIBLE SIGN (R7-8P) USED IF THERE IS ONLY ONE REQUIRED ACCESSIBLE PARKING SPACE (MUST BE VAN ACCESSIBLE) AND AT EACH ADDITIONAL REQUIRED VAN ACCESSIBLE SPACE. (SEE PLDS NO. 50.10A)

NOT TO SCALE

REV. DATE
8/1/19

SID. NO. REV.
50.10B 3

TOWN OF PINEVILLE
LAND DEVELOPMENT
STANDARDS

SUPPLEMENTAL VAN ACCESSIBLE SIGN (R7-8P)

CONCRETE WHEEL STOP

Not to Scale

JOHNSTON DRIVE
PARKING LOT
PREPARED FOR
TOWN OF PINEVILLE

PINEVILLE

SHEET NUMBER
C902

Kimley-Horn logo

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NC LICENSE #F-9102

PROFESSIONAL ENGINEER
SEAL
051702
WESLEY M. STROMBERG

KH PROJECT
018036003

DATE
2/16/2026

SCALE
AS SHOWN

DESIGNED BY
TJR

DRAWN BY
TJR

CHECKED BY
KMS

DATE

REVISIONS

BY

Plotted By:Warren, Garrett Sheet Set:JOHNSTON DR PARKING LOT Layout:SITE-DET1-1 February 16, 2026 04:08:55pm K:\CHL_PFL\JO18038 Town of Pineville\003 Johnson Dr Alignment - Design\04_CADD\10_SITE CIVIL\PlanSheets\C903 - STRM-DTLS.dwg

DWG	SHEET TITLE	SPECIAL REQUIREMENTS AND NOTES
300.01	METHOD OF PIPE INSTALLATION – METHOD A	
310.02	PARALLEL PIPE END SECTION—PRECAST CONCRETE FOR 15" TO 24" PIPE	REQUIRED IN RIGHT OF WAY WITHIN THE ETJ
310.03	CROSS PIPE END SECTION—PRECAST CONCRETE FOR 18" TO 30" PIPE	REQUIRED IN RIGHT OF WAY WITHIN THE ETJ
310.10	DRIVEWAY PIPE CONSTRUCTION USING NO SPECIAL END SECTIONS	ONLY AT LOCATIONS APPROVED BY THE TOWN ENGINEER
815.03	PIPE UNDERDRAIN AND BLIND DRAIN	
816.03	GEOCOMPOSITE SHOULDER DRAIN	
838.01	CONCRETE ENDWALL FOR SINGLE AND DOUBLE PIPE CULVERTS	NOTE 1
15" THRU 48" PIPE 90° SKEW		NOTE 1
838.02	CONCRETE ENDWALL AND SLUICE GATE 15" THRU 36" PIPE–90° SKEW	NOTE 1
838.04	CONCRETE ENDWALL FOR SINGLE AND DOUBLE PIPE CULVERTS	NOTE 1
17"x13" THRU 71"x47" PIPE ARCH 90° SKEW		NOTE 1
838.05	CONCRETE "L" ENDWALL FOR SINGLE PIPE CULVERTS 15" THRU 48" PIPE	NOTE 1
838.06	CONCRETE "L" ENDWALL FOR SINGLE PIPE CULVERTS 17"x13" THRU 71"x47"	NOTE 1
71"x47" ARCH PIPE		NOTE 1
838.07	CONCRETE ENDWALL FOR SINGLE AND DOUBLE PIPE CULVERTS	NOTE 1
40"x31" THRU 66"x51" PIPE ARCH 90° SKEW		NOTE 1
838.08	CONCRETE "L" ENDWALL FOR SINGLE PIPE CULVERTS 40"x32"	NOTE 1
THRU 66"x51" PIPE ARCH		NOTE 1
838.10	CONCRETE ENDWALL FOR OUTFALL 4', 6" OR 8" PIPE	NOTE 1
838.11	BRICK ENDWALL FOR SINGLE AND DOUBLE PIPE CULVERTS	NOTE 1
15" THRU 48" 90° SKEW		NOTE 1
838.14	BRICK ENDWALL FOR SINGLE AND DOUBLE PIPE CULVERTS 17"x31"	NOTE 1
THRU 71"x47" 90° SKEW		NOTE 1
838.15	BRICK "L" ENDWALL FOR SINGLE PIPE CULVERTS 15" THRU 48" PIPE	NOTE 1
838.16	BRICK "L" ENDWALL FOR SINGLE PIPE CULVERTS 17"x13" THRU	NOTE 1
71"x47" PIPE ARCH		NOTE 1
838.17	BRICK ENDWALL FOR SINGLE AND DOUBLE PIPE CULVERTS 40"x31"	NOTE 1
THRU 66"x51" PIPE ARCH 90° SKEW		NOTE 1
838.18	BRICK ENDWALL FOR SINGLE PIPE CULVERTS 40"x31" THRU	NOTE 1
66"x51" PIPE ARCH		NOTE 1
838.20	BRICK ENDWALL FOR OUTFALL 4", 6" AND 8" PIPE	NOTE 1
838.21	REINFORCED CONCRETE ENDWALL FOR SINGLE 54" PIPE 90° SKEW	NOTE 1 SEE PLDS 20.17 A&B FOR SPLASH PAD
838.22	REINFORCED CONCRETE ENDWALL FOR DOUBLE & TRIPLE 54" PIPE 90° SKEW	NOTE 1 SEE PLDS 20.17 A&B FOR SPLASH PAD
838.27	REINFORCED CONCRETE ENDWALL FOR SINGLE 60" PIPE 90° SKEW	NOTE 1 SEE PLDS 20.17 A&B FOR SPLASH PAD
838.28	REINFORCED CONCRETE ENDWALL FOR DOUBLE & TRIPLE 60" PIPE 90° SKEW	NOTE 1 SEE PLDS 20.17 A&B FOR SPLASH PAD
838.33	REINFORCED CONCRETE ENDWALL FOR SINGLE 66" PIPE 90° SKEW	NOTE 1 SEE PLDS 20.17 A&B FOR SPLASH PAD
838.34	REINFORCED CONCRETE ENDWALL FOR DOUBLE & TRIPLE 66" PIPE 90° SKEW	NOTE 1 SEE PLDS 20.17 A&B FOR SPLASH PAD
838.39	REINFORCED CONCRETE ENDWALL FOR SINGLE 72" PIPE 90° SKEW	NOTE 1 SEE PLDS 20.17 A&B FOR SPLASH PAD
838.40	REINFORCED CONCRETE ENDWALL FOR DOUBLE & TRIPLE 72" PIPE 90° SKEW	NOTE 1 SEE PLDS 20.17 A&B FOR SPLASH PAD
NOTE 1: FOR ALL STRUCTURES – NCDOT REQUIRES CLASS B CONCRETE (2500 PSI). THE TOWN REQUIRES 3600 PSI CONCRETE STRENGTH @ 28 DAYS. 3600 PSI CONCRETE SHALL BE USED IN ALL TOWN PROJECTS.		

NOT TO SCALE



TOWN OF PINEVILLE
LAND DEVELOPMENT
STANDARDS

NCDOT STANDARDS
APPROVED FOR USE IN THE TOWN OF PINEVILLE

8/1/19
STD. NO. REV.
20.00A 3



TOWN OF PINEVILLE
LAND DEVELOPMENT
STANDARDS

NCDOT STANDARDS
APPROVED FOR USE IN THE TOWN OF PINEVILLE

8/1/19
STD. NO. REV.
20.00B 3

NOTE 1: FOR ALL STRUCTURES – NCDOT REQUIRES CLASS B CONCRETE (2500 PSI). THE TOWN REQUIRES 3600 PSI CONCRETE STRENGTH @ 28 DAYS. 3600 PSI CONCRETE SHALL BE USED IN ALL TOWN PROJECTS.

NOT TO SCALE



TOWN OF PINEVILLE
LAND DEVELOPMENT
STANDARDS

NCDOT STANDARDS
APPROVED FOR USE IN THE TOWN OF PINEVILLE

8/1/19
STD. NO. REV.
20.00C 3

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NOT TO SCALE

DWG	SHEET TITLE	SPECIAL REQUIREMENTS AND NOTES
838.45	NOTES FOR REINFORCED CONCRETE ENDWALL STANDARD DRAWINGS	NOTE 1 SEE STD. 20.17 A&B FOR SPLASH PAD
838.21 THRU 838.40		
838.51	REINFORCED BRICK ENDWALL FOR SINGLE 54" PIPE 90° SKEW	NOTE 1 SEE STD. 20.17 A&B FOR SPLASH PAD
838.52	REINFORCED BRICK ENDWALL FOR DOUBLE & TRIPLE 54" PIPES 90° SKEW	NOTE 1 SEE STD. 20.17 A&B FOR SPLASH PAD
838.57	REINFORCED BRICK ENDWALL FOR SINGLE 60" PIPE 90° SKEW	NOTE 1 SEE STD. 20.17 A&B FOR SPLASH PAD
838.58	REINFORCED BRICK ENDWALL FOR DOUBLE & TRIPLE 60" PIPES 90° SKEW	NOTE 1 SEE STD. 20.17 A&B FOR SPLASH PAD
838.63	REINFORCED BRICK ENDWALL FOR SINGLE 66" PIPE 90° SKEW	NOTE 1 SEE STD. 20.17 A&B FOR SPLASH PAD
838.64	REINFORCED BRICK ENDWALL FOR DOUBLE & TRIPLE 66" PIPES 90° SKEW	NOTE 1 SEE STD. 20.17 A&B FOR SPLASH PAD
838.69	REINFORCED BRICK ENDWALL FOR SINGLE 72" PIPE 90° SKEW	NOTE 1 SEE STD. 20.17 A&B FOR SPLASH PAD
838.70	REINFORCED BRICK ENDWALL FOR DOUBLE & TRIPLE 72" PIPES 90° SKEW	NOTE 1 SEE STD. 20.17 A&B FOR SPLASH PAD
838.75	NOTES FOR REINFORCED BRICK ENDWALL STANDARD DRAWINGS 838.51 THRU 838.70	NOTE 1 SEE STD. 20.17 A&B FOR SPLASH PAD
838.80	PRECAST CONCRETE ENDWALL FOR SINGLE 12" THRU 72" PIPE 90° SKEW	
840.00	CONCRETE BASE PAD FOR DRAINAGE STRUCTURES	
840.01	BRICK CATCH BASIN 15" THRU 54" PIPE	
840.02	CONCRETE CATCH BASIN 12" THRU 54" PIPE	
840.03	FRAME, GRATES, AND HOOD FOR USE ON STANDARD CATCH BASIN	
840.04	CONCRETE OPEN THROAT CATCH BASIN 12" THRU 48" PIPE	NOTE 1; OPENINGS PERMITTED IN 4 SIDES OUTSIDE OF STREET R/W
840.05	BRICK OPEN THROAT CATCH BASIN 15" THRU 48" PIPE	MANHOLE RING AND COVER REQUIRED IN TOP SLAB SEE PLDS 20.05 A&B
840.14	CONCRETE DROP INLET 12" THRU 30" PIPE	NOTE 1
840.15	BRICK DROP INLET 12" THRU 30" PIPE	NOTE 1
840.16	DROP INLET FRAME AND GRATE FOR USE WITH STANDARD DRAWINGS 840.14 & 840.15	NOTE 1
840.17	CONCRETE GRATED DROP INLET TYPE "A" 12" THRU 72" PIPE	NOTE 1
840.18	CONCRETE GRATED DROP INLET TYPE "B" 12" THRU 36" PIPE	NOTE 1
840.19	CONCRETE GRATED DROP INLET TYPE "D" 12" THRU 36" PIPE	NOTE 1
840.20	FRAMES AND WIDE SLOT FLAT GRATES	NOT FOR USE IN PEDESTRIAN AREAS
840.22	FRAMES AND WIDE SLOT SAG GRATES	NOT FOR USE IN PEDESTRIAN AREAS
840.24	FRAMES AND NARROW SLOT SAG GRATES	
840.25	ANCHORAGE FOR FRAMES BRICK OR CONCRETE	
840.26	BRICK GRATED DROP INLET TYPE "A" 12" THRU 72" PIPE	
840.27	BRICK GRATED DROP INLET TYPE "D" 12" THRU 36" PIPE	
840.28	BRICK GRATED DROP INLET TYPE "D" 12" THRU 36" PIPE	
840.29	FRAMES AND NARROW SLOT FLAT GRATES	
840.30	DRIVEWAY DROP INLET	

DWG	SHEET TITLE	SPECIAL REQUIREMENTS AND NOTES
840.31	CONCRETE JUNCTION BOX (WITH OPTIONAL MANHOLE) 12" THRU 66" PIPE	NOTE 1; OPTIONAL MANHOLE IS REQUIRED
840.32	BRICK JUNCTION BOX 12" THRU 66" PIPE	NOTE 1; OPTIONAL MANHOLE IS REQUIRED
840.34	TRAFFIC BEARING JUNCTION BOX FOR USE WITH PIPES 42" AND UNDER	NOTE 1; OPTIONAL MANHOLE IS REQUIRED; AS MEASURED FROM BOTTOM OF TOP SLAB --- FOR JUNCTION BOX HEIGHT 0'-4'9" USE 8" THICK WALL, FROM 4'8" HEIGHT TO 10' HEIGHT, USE 12" THICK WALL. IF PROPOSED STRUCTURE EXCEEDS 12'-0" HEIGHT A SPECIAL DESIGN WILL BE REQUIRED
840.35	TRAFFIC BEARING DROP INLET FOR CAST IRON DOUBLE FRAME AND GRATES	
840.36	TRAFFIC BEARING DROP INLET FOR STEEL (840.37) DOUBLE FRAME AND GRATES	NOT FOR USE IN PEDESTRIAN AREAS
840.37	STEEL GRATE AND FRAME	NOT FOR USE IN PEDESTRIAN AREAS
840.41	SPRING BOX CONCRETE OR BRICK	
840.45	PRECAST DRAINAGE STRUCTURE (SOLID AND WAFFLE WALL)	WAFFLE WALL IS NOT PERMITTED IN ROADWAY, PLANTING STRIPS, OR MEDIANS. ALL OPENINGS SHALL BE PRE-CAST
840.46	TRAFFIC BEARING PRECAST DRAINAGE STRUCTURE	
840.51	BRICK MANHOLE 12" 36" PIPE	
840.52	PRECAST MANHOLE 4', 5' AND 6' DIAMETER 12" THRU 42" PIPE	
840.53	PRECAST MANHOLE WITH MASONRY BASE 12" THRU 42" PIPE	
840.54	MANHOLE FRAME AND COVER	
840.60	DRAINAGE STRUCTURE STEPS	
840.71	CONCRETE PAVED DITCHES	
840.72	PIPE COLLAR	
850.01	CONCRETE PAVED DITCHES	
852.04	METHOD FOR PLACEMENT OF DROP INLETS IN GRASSED MEDIAN (USING 1'-6" CURB AND GUTTER)	
852.05	MEDIAN CURB FOR CATCH BASIN (FOR USE WITH 1'-6" CURB AND GUTTER)	
852.06	METHOD OF PLACEMENT OF DROP INLETS IN CONCRETE ISLANDS	
876.01	RIP RAP IN CHANNELS	
876.03	DRAINAGE DITCHES WITH CLASS "A" RIP RAP	
876.04	DRAINAGE DITCHES WITH CLASS "B" RIP RAP	

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NOT TO SCALE

JOHNSTON DRIVE
PARKING LOT
PREPARED FOR
TOWN OF PINEVILLE

NC

SHEET NUMBER
C903

Kimley»Horn

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SEAL
051702
ENGINEER
M. STROMBME

2/19/2026

PROJECT
018036003

DATE
2/16/2026

SCALE AS SHOWN

DESIGNED BY TJR

DRAWN BY TJR

CHECKED BY KMS

STORM DETAILS

REVISIONS

DATE

BY