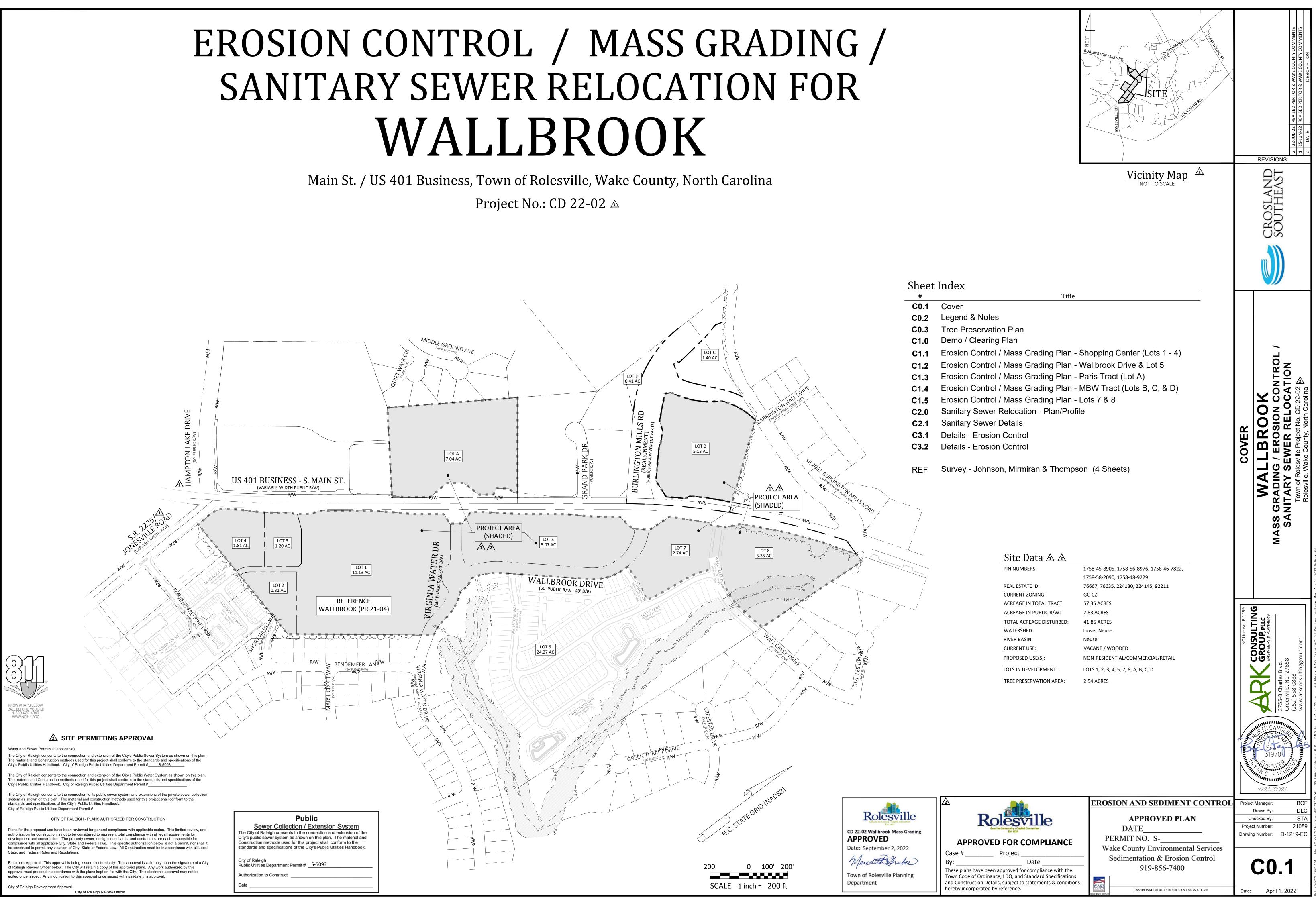
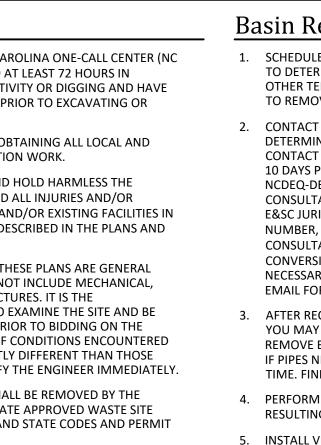
SANITARY SEWER RELOCATION FOR WALLBROOK



			Legend		Demolition Notes:
			EXISTING = FOUND MONUMENT AS NOTED O = SET IRON PIN	PROPOSED	 CONTRACTOR SHALL CONTACT NORTH CA 811) BY DIALING 811 OR 1-800-632-4949 / ADVANCE OF ANY LAND DISTURBING ACTI ALL UNDERGROUND UTILITIES LOCATED P
			\triangle = NCGS MONUMENT • = DIMENSION POINT (NOTHING SET) PL = PROPERTY LINE		TRENCHING. 2. THE CONTRACTOR IS RESPONSIBLE FOR O
			R/W = RIGHT OF WAY C&G = CURB AND GUTTER		STATE PERMITS REQUIRED FOR DEMOLITI
			CATV = CABLE TV PEDESTAL $DI = DROP INLET$ $ELEC = ELECTRIC BOX$		 THE CONTRACTOR SHALL INDEMNIFY AND OWNER AND/OR ENGINEER FOR ANY AND DAMAGES TO PERSONNEL, EQUIPMENT A
GROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE NCG01 CONSTRUCTION GENERAL PERMIT Implementing the details and specifications on this plan sheet will result in the construction	EQUIPMENT AND VEHICLE MAINTENANCE 1. Maintain vehicles and equipment to prevent discharge of fluids.	ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER	EM = ELECTRIC METER F/O = FIBER OPTIC		THE DEMOLITION AND CONSTRUCTION D SPECIFICATIONS.
activity being considered compliant with the Ground Stabilization and Materials Handling sections of the NCG01 Construction General Permit (Sections E and F, respectively). The	 Provide drip pans under any stored equipment. Identify leaks and repair as soon as feasible, or remove leaking equipment from the project. 		\overrightarrow{O} FH = FIRE HYDRANT $\left \overrightarrow{O}\right $ GV = GAS VALVE		4. EXISTING CONDITIONS AS DEPICTED ON T AND ILLUSTRATIVE IN NATURE AND DO N
permittee shall comply with the Erosion and Sediment Control plan approved by the delegated authority having jurisdiction. All details and specifications shown on this sheet may not apply depending on site conditions and the delegated authority having jurisdiction.	 Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle when possible). Remove leaking vehicles and construction equipment from service until the problem 		HBX = HAND BOX ☆ LP = LIGHT POLE ∅ PP = POWER POLE		ELECTRICAL AND MISCELLANEOUS STRUCT RESPONSIBILITY OF THE CONTRACTOR TO
SECTION E: GROUND STABILIZATION Required Ground Stabilization Timeframes	 has been corrected. 6. Bring used fuels, lubricants, coolants, hydraulic fluids and other petroleum products to a recycling or disposal center that handles these materials. 	1. AUGUS LOAAND BELEMING IN FEED 2. THE CONCIDENT WASHINGT IN FEED 2. THE CONCEPT WASHINGT IN FEED 3. THE FEED TO RE 3. THE FEED TO RE 3. THE FEED TO RE 4. T	\leftarrow = GUY WIRE RCP = REINFORCED CONCRETE PIPE		FAMILIAR WITH EXISTING CONDITIONS PR DEMOLITION WORK FOR THIS PROJECT. IF DURING EXAMINATION ARE SIGNIFICANTL
Stabilize within this Site Area Description many calendar Timeframe variations days after ceasing Timeframe variations	LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE	LOOKINGTE MUSEOUT STRUCTURE BELOW GRADE WASHOUT STRUCTURE NOT TO EXLE	S.F. = SQUARE FEET (AREA) = SIGN SIGNAL = TRAFFIC SIGNAL POLE		SHOWN, THE CONTRACTOR SHALL NOTIFY
Iand disturbance (a) Perimeter dikes, swales, ditches, and 7	 Never bury or burn waste. Place litter and debris in approved waste containers. Provide a sufficient number and size of waste containers (e.g dumpster, trash receptacle) on site to contain construction and domestic wastes. 	CONCRETE WASHOUTS 1. Do not discharge concrete or cement slurry from the site.	S = SANITARY SEWER MANHOLE S = SANITARY SEWER FORCE MAIN VALV	S /E	5. ALL DEMOLITION WASTE AND DEBRIS SHA CONTRACTOR AND DISPOSED OF IN A STA AND IN ACCORDANCE WITH ALL LOCAL AN
perimeter slopes (b) High Quality Water (HQW) Zones 7	 Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available. Locate waste containers on areas that do not receive substantial amounts of runoff 	2. Dispose of, or recycle settled, hardened concrete residue in accordance with local and state solid waste regulations and at an approved facility.	© = STORM DRAIN MANHOLE ^{TEL} = TELEPHONE PEDESTAL ^{TRAF} = TRAFFIC BOX	0	REQUIREMENTS. 6. THE BURNING OF CLEARED MATERIAL AND
(c)Slopes steeper than 3:17If slopes are 10' or less in length and are not steeper than 2:1, 14 days are	 Cover waste containers on areas that do not receive substantial annuals of wetland. Cover waste containers at the end of each workday and before storm events or provide secondary containment. Repair or replace damaged waste containers. 	 Manage washout from mortar mixers in accordance with the above item and in addition place the mixer and associated materials on impervious barrier and within lot perimeter silt fence. 	WATER = WATER BOX WM WM = WATER METER		ALLOWED UNLESS CONTRACTOR GETS WE THE LOCAL AUTHORITIES.
allowed -7 days for slopes greater than 50' in length and with slopes steeper than 4:1	 Anchor all lightweight items in waste containers during times of high winds. Empty waste containers as needed to prevent overflow. Clean up immediately if 	 Install temporary concrete washouts per local requirements, where applicable. If an alternate method or product is to be used, contact your approval authority for review and approval. If local standard details are not available, use one of the two temporary for the standard standard details are not available. 	 WMH = WATER MANHOLE WV = WATER VALVE WELL = WELL 		 ASBESTOS OR HAZARDOUS MATERIALS, IF REMOVED BY A LICENSED HAZARDOUS MA
(d) Slopes 3:1 to 4:1 14 -7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones	containers overflow.8. Dispose waste off-site at an approved disposal facility.9. On business days, clean up and dispose of waste in designated waste containers.	types of temporary concrete washouts provided on this detail.Do not use concrete washouts for dewatering or storing defective curb or sidewalk sections. Stormwater accumulated within the washout may not be pumped into or	\odot = PEDESTRIAN X-WALK POLE		CONTRACTOR SHALL NOTIFY OWNER IMM MATERIALS ARE ENCOUNTERED.
-10 days for Falls Lake Watershed -7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones	PAINT AND OTHER LIQUID WASTE 1. Do not dump paint and other liquid waste into storm drains, streams or wetlands.	 discharged to the storm drain system or receiving surface waters. Liquid waste must be pumped out and removed from project. 6. Locate washouts at least 50 feet from storm drain inlets and surface waters unless it can be shown that no other alternatives are reasonable available. At a minimum 	$ \begin{array}{c} \hline & \\ \hline \\ \hline$		8. CONTRACTOR SHALL PROTECT ALL CORNE PROPERTY CORNERS, AND BENCHMARKS I
flatter than 4:1 14 -10 days for Falls Lake Watershed unless there is zero slope	 Locate paint washouts at least 50 feet away from storm drain, streams of wetrands. Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available. Contain liquid wastes in a controlled area. 	can be shown that no other alternatives are reasonably available. At a minimum, install protection of storm drain inlet(s) closest to the washout which could receive spills or overflow.	G G = GAS LINE 	G	ACTIVITIES. IF DISTURBED, CONTRACTOR S RESET BY A LICENSED SURVEYOR AT NO AI
Note: After the permanent cessation of construction activities, any areas with temporary ground stabilization shall be converted to permanent ground stabilization as soon as practicable but in no case longer than 90 calendar days after the last land disturbing activity. Temporary ground stabilization shall be maintained in a manner to render the	 Containing the wastes in a controlled area. Containment must be labeled, sized and placed appropriately for the needs of site. Prevent the discharge of soaps, solvents, detergents and other liquid wastes from construction sites. 	 Locate washouts in an easily accessible area, on level ground and install a stone entrance pad in front of the washout. Additional controls may be required by the approving authority. Install to be a sing dispeties accessed to the back back within the page of the standard standard s	T = TELEPHONE LINE $ TV = CABLE TV LINE$	W.	OWNER. 9. CONTRACTOR SHALL ADHERE TO ALL LOCA
activity. Temporary ground stabilization shall be maintained in a manner to render the surface stable against accelerated erosion until permanent ground stabilization is achieved. GROUND STABILIZATION SPECIFICATION	PORTABLE TOILETS	 8. Install at least one sign directing concrete trucks to the washout within the project limits. Post signage on the washout itself to identify this location. 9. Remove leavings from the washout when at approximately 75% capacity to limit 		F	OSHA REGULATIONS WHEN OPERATING D AROUND UTILITIES.
Stabilize the ground sufficiently so that rain will not dislodge the soil. Use one of the techniques in the table below: Temporary Stabilization Permanent Stabilization	 Install portable toilets on level ground, at least 50 feet away from storm drains, streams or wetlands unless there is no alternative reasonably available. If 50 foot offset is not attainable, provide relocation of portable toilet behind silt fence or place on a gravel pad and surround with sand bags. 	overflow events. Replace the tarp, sand bags or other temporary structural components when no longer functional. When utilizing alternative or proprietary products, follow manufacturer's instructions.	= 12"ø WATER LINE $ -$ RIPARIAN BUFFER	12"W	10. CONTRACTOR SHALL PROVIDE AND MAIN MEASURES IN ACCORDANCE WITH THE NO
Temporary Stabilization Temporary Stabilization Temporary grass seed covered with straw or other mulches and tackifiers Hydroseeding Geotextile fabrics such as permanent soil	 Provide staking or anchoring of portable toilets during periods of high winds or in high foot traffic areas. 	 At the completion of the concrete work, remove remaining leavings and dispose of in an approved disposal facility. Fill pit, if applicable, and stabilize any disturbance caused by removal of washout. 		<u>50</u>	REQUIRED BY LOCAL AGENCIES WHEN WC STREETS, ROADS, HIGHWAYS, ETC. IT SHAI RESPONSIBILITY TO OBTAIN APPROVAL AN
Appropriately applied straw or other mulch Appropriately applied straw or other mulch	 Monitor portable toilets for leaking and properly dispose of any leaked material. Utilize a licensed sanitary waste hauler to remove leaking portable toilets and replace with properly operating unit. 	HERBICIDES. PESTICIDES AND RODENTICIDES	SIEL LENGE	SF	LOCAL AND/OR STATE AGENCIES REGARDI LIMITATIONS ASSOCIATED WITH INSTALLI
Plastic sheeting Plastic sheeting Uniform and evenly distributed ground cover sufficient to restrain erosion	EARTHEN STOCKPILE MANAGEMENT 1. Show stockpile locations on plans. Locate earthen-material stockpile areas at least	 Store and apply herbicides, pesticides and rodenticides in accordance with label restrictions. 		LOD LOD TPF	TRAFFIC CONTROL MEASURES. 11. CONTRACTOR SHALL PROTECT AT ALL TIM
 Structural methods such as concrete, asphalt or retaining walls Rolled erosion control products with grass seed 	50 feet away from storm drain inlets, sediment basins, perimeter sediment controls and surface waters unless it can be shown no other alternatives are reasonably available.	 Store herbicides, pesticides and rodenticides in their original containers with the label, which lists directions for use, ingredients and first aid steps in case of accidental poisoning. 	= SKIMMER BASIN DRAINAGE AREA		AND ITEMS FROM DAMAGE DUE TO DEMO ACTIVITIES.
POLYACRYLAMIDES (PAMS) AND FLOCCULANTS Select flocculants that are appropriate for the soils being exposed during	 Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile. Provide stable stone access point when feasible. 	 Do not store herbicides, pesticides and rodenticides in areas where flooding is possible or where they may spill or leak into wells, stormwater drains, ground water or surface water. If a spill occurs, clean area immediately. 	= SKIMMER OUTLET DEVICE = STONE CHECK DAM	压	12. CONTRACTOR SHALL REMOVE EXISTING V IMPROVEMENTS WITHIN LIMITS OF DISTU
 construction, selecting from the NC DWR List of Approved PAMS/Flocculants. Apply flocculants at or before the inlets to Erosion and Sediment Control Measures. Apply flocculants at the concentrations specified in the NC DWR List of Approved 	 A. Stabilize stockpile access point when reastore. 4. Stabilize stockpile within the timeframes provided on this sheet and in accordance with the approved plan and any additional requirements. Soil stabilization is defined as vegetative, physical or chemical coverage techniques that will restrain accelerated 	4. Do not stockpile these materials onsite.	= RIPARIAN BUFFER	— — — — RIP —	OTHERWISE. 13. TREES OUTSIDE OF CONSTRUCTION LIMIT
 Approved PAMS/Flocculants at the concentrations spectred in the NC DWN List of Approved PAMS/Flocculants and in accordance with the manufacturer's instructions. Provide ponding area for containment of treated Stormwater before discharging effects 	erosion on disturbed soils for temporary or permanent control needs.	 HAZARDOUS AND TOXIC WASTE 1. Create designated hazardous waste collection areas on-site. 2. Place hazardous waste containers under cover or in secondary containment. 			BE REMOVED SHALL BE PROTECTED.
 Store flocculants in leak-proof containers that are kept under storm-resistant cover or surrounded by secondary containment structures. 		3. Do not store hazardous chemicals, drums or bagged materials directly on the ground.	= ACCESS AND UTILITY EASEMENT		
NCG01 GROUND	STABILIZATION AND MATERIALS H	IANDLING EFFECTIVE: 04/01/19	= STORMWATER MAINT. EASEMENT		
			= RIGHT-OF-WAY TO BE DEDICATED		
PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING	PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING	PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING	AS PART OF U-6241		
Self-inspections are required during normal business hours in accordance with the table below. When adverse weather or site conditions would cause the safety of the inspection	SECTION B: RECORDKEEPING 1. E&SC Plan Documentation	SECTION C: REPORTING 1. Occurrences that must be reported Permittees shall report the following occurrences:	= PROJECT AREA		
personnel to be in jeopardy, the inspection may be delayed until the next business day on which it is safe to perform the inspection. In addition, when a storm event of equal to or greater than 1.0 inch occurs outside of normal business hours, the self-inspection shall be	The approved E&SC plan as well as any approved deviation shall be kept on the site. The approved E&SC plan must be kept up-to-date throughout the coverage under this permit. The following items pertaining to the E&SC plan shall be documented in the manner	(a) Visible sediment deposition in a stream or wetland.(b) Oil spills if:			
performed upon the commencement of the next business day. Any time when inspections were delayed shall be noted in the Inspection Record.	described:	 They are 25 gallons or more, They are less than 25 gallons but cannot be cleaned up within 24 hours, 			
Inspect (during normal Inspection records must include: outines hours)	item to Opcument Documentation Requirements (a) Each E&SC Measure has been installed Initial and date each E&SC Measure on a copy and does not significantly deviate from the of the approved E&SC Plan or complete, date	They cause sheen on surface waters (regardless of volume), orThey are within 100 feet of surface waters (regardless of volume).			
(1) Rain gauge Daily Daily rainfall amounts. maintained in If no daily rain gauge observations are made buring weekand or good working holiday periods, and no individual-day rainfail information is covariable, rectrict the constantive rain measurement for those on-	Iocations, dimensions and relative elevations and sign an inspection report that lists each shown on the approved E&SC Plan. E&SC Measures shown on the approved E&SC Plan This documentation is required upon the installation of the E&SC Measures or if	(a) Releases of hazardous substances in excess of reportable quantities under Section 311 of the Clean Water Act (Ref: 40 CFR 110.3 and 40 CFR 117.3) or Section 102 of CERCLA			
available, rectio the combinator in independent to those pro- attended ways (are the twin determine if a site inspection is needed). Days on which no ranket occorred shall be recorded as "saro." The permittee may use enother rem-monitoring device approved by the Division	the E&SC Measures are modified after initial Installation.	(Ref: 40 CFR 302.4) or G.S. 143-215.85.			
(2) ESSC At least once per 2. identification of the measures inspected. Measures 2 calandar days 2. Date and time of the inspection, and within 24 2. Name of the paradox performing the impaction,	(b) A phase of grading has been completed. Initial and date a copy of the approved E&SC Plan or complete, date and sign an inspection report to indicate completion of the construction phase.	(b) Anticipated bypasses and unanticipated bypasses.(c) Noncompliance with the conditions of this permit that may endanger health or the	Erosion Control Provisions:		
nours of a rain event > 1 G inch in 24 hours 4. Ind taxion of whether the measures were operating properly. 24 hours 5. Description of maintenance needs for the measure. 5. Description, evidence, and date of prometive actions taken.	Construction and passe Construction and passe (c) Ground cover is located and installed Initial and date a copy of the approved E&SC in accordance with the approved E&SC Plan or complete, date and sign an inspection Plan report to inducate compliance with approved	2. Reporting Timeframes and Other Requirements			WATERSHED MANAGEMENT OF THE DATE THAT THE LAND DIS
(3) Stormweter At least once per 3. identification of the discharge outfalls inspected, discharge 7 calondar days 2. Other and time of the inspection, contaits (SDOS) and within 24 3. Name of the person sector and other inspection, hours of a size 4. Evidence of indicates a soft	Bround cover specifications. (d) The maintenance and repair Complete, date and sign an inspection report. requirements for all EBSC Measures Complete, date and sign an inspection report.	After a permittee becomes aware of an occurrence that must be reported, he shall contact the appropriate Division regional office within the timeframes and in accordance with the	 LAND DISTURBING ACTIVITY BEYOND THAT REQUIRED TO 		
event <u>2</u> 1.0 vich in 24 hours sheen, floating to swapended solids or discoloration, 5. indication of visible sedement leaving the site, 6. Description, evidence, and date of corrective actions taken. (4) Perimeter of At least once per II visible sedimentation is found outside idealine, then a record	have been performed Initial and date a copy of the approved E&SC (e) Corrective actions have been taken Initial and date a copy of the approved E&SC to E&SC Measures Plan or complete, date and sign an inspection	other requirements listed below. Occurrences outside normal business hours may also be reported to the Division's Emergency Response personnel at (800) 662-7956, (800) 858-0368 or (919) 733-3300.	3. SCHEDULING OF A PRE-CONSTRUCTION CONFERENCE WI INSPECTION CALL 919-819-8907. 48 HOUR NOTICE IS RE		VIANAGER, JEEVAN NEUPANE, PE (919-819-8907) PRIOR TO IN
site 7 colonical days and within 24 2. Automs taken to clean op or stabilizations set insertitial has tell hours of a rain even 2 10 for the 3 for	report to indicate the completion of the corrective action	Occurrence Reporting Timeframes (After Discovery) and Other Requirements (a) Visible sediment • Within 24 hours, an oral or electronic notification.	4. INSTALL TREE PROTECTION FENCING AROUND ALL AREAS		ANCE AS SHOWN ON PLANS.
24 hours 3. An explanation as to the actions taken to control luture releases. (5) Streams or At least once per If the stream or wetland has increased visible sedimentation or a	2. Additional Documentation In addition to the E&SC Plan documents above, the following items shall be kept on the	(a) Visible sediment • Within 24 hours, an oral or electronic notification. deposition in a • Within 7 colendar days, a report that contains a description of the sediment and actions taken to address the cause of the deposition. stream or wetland Division staff may waive the requirement for a written report on a	5. PROVIDE 20' X 50' X 6" STONE CONSTRUCTION ENTRANC	ES AS SHOWN ON PLAN.	
or offsice and within 20 activity, then a record of the following shall be made (where hours of a rain 3. Description, evidence and date of corrective actions taken, and accessible! event > 1.0 inch in 2. Records of the required reports to the appropriate Division	site and available for agency inspectors at all times during normal business hours, unless the Division provides a site-specific exemption based on unique site conditions that make this	 case-by-case basis. If the stream is named on the <u>NC 303(d) list</u> as impaired for sediment-related causes, the permittee may be required to perform additional 	6. SEED OR OTHERWISE PROVIDE GROUND COVER DEVICES AREAS AND SLOPES STEEPER THAN 3:1. ALL OTHER AREA		TRAIN EROSION FOR ALL EXPOSED SLOPES WITHIN 7 DAYS OF YS.
24 hours Regional Office per Part III: Section C. (tem (2)(a) of this permit of this permit. (6) Ground After tack phace 1. The phase of grading (Installation of perimeter E&SC including including	requirement not practical: (a) This general permit as well as the certificate of coverage, after it is received.	monitoring, inspections or apply more stringent practices if staff determine that additional requirements are needed to assure compliance with the federal or state impaired-waters conditions.			A WEEKLY BASIS AND AFTER EACH MAJOR STORM EVENT. FA
measures drainage facilizades, complexize of all fan é-distucting activity, construction or redevelopment, permanent ground cover) 2. Documentation that the required ground stabilization	(b) Records of inspections made during the previous 30 days. The permittee shall record the required observations on the Inspection Record Form provided by the Division or	(b) Oil spills and • Within 24 hours, an oral or electronic notification. The notification release of shall include information about the date, time, nature, volume and hazardous location of the spill or release.	WORKING ORDER MAY RESULT IN A STOP WORK ORDER 8. THE ENGINEER RESERVES THE RIGHT TO REQUIRE ADDIT		PER DAY OF VIOLATION. 5 SHOULD THE PLAN OR ITS IMPLEMENTATION PROVE TO BE II
measures have been provided within the required timeframe or an assurance that they will be provided as show as possible.	a similar inspection form that includes all the required elements. Use of electronically-available records in lieu of the required paper copies will be allowed if shown to provide equal access and utility as the hard-copy records.	substances per item 1(b)-(c) above (c) Anticipated • A report at least ten days before the date of the bypass, if possible. bypasses [40 CFR The report shall include an evaluation of the anticipated quality and	9. ACCEPTANCE AND APPROVAL OF THIS PLAN IS CONDITIO	NED UPON YOUR COMPLIANCE WITH	I FEDERAL AND STATE WATER QUALITY LAWS, REGULATION A DOES NOT SUPERSEDE ANY OTHER PERMIT OR APPROVAL.
NOTE: The rain inspection resets the required 7 calendar day inspection requirement.	(c) All data used to complete the Notice of Intent and older inspection records shall be maintained for a period of three years after project completion and made available upon request. [40 CFR 122.41]	122.41(m)(3)] effect of the bypass. (d) Unanticipated • Within 24 hours, an oral or electronic notification. bypasses [40 CFR • Within 7 colendar days, a report that includes an evaluation of the	10. PLEASE BE ADVISED OF THE RULES TO PROTECT AND MA	INTAIN EXISTING BUFFERS ALONG WA	TERCOURSES IN THE NEUSE AND TAR RIVER BASINS. THESE RU
	upon request. [40 CFN 122.41]	122.41(m)(3)] quality and effect of the bypass. (e) Noncompliance • Within 24 hours, an oral or electronic notification. with the conditions • Within 7 calendar days, a report that contains a description of the period of poncompliance	(DWR). DIRECT ANY QUESTIONS ABOUT THE APPLICABIL ${ m m A}$ 11. ALL AREAS DOWNSTREAM OF TEMPORARY BASINS AND		T TO THE REGIONAL WATER QUALITY SUPERVISOR, RALEIGH R
		of this permit that noncompliance, and its causes; the period of noncompliance, may endanger including exact dates and times, and if the noncompliance has not health or the been corrected, the anticipated time noncompliance is expected to environment[40 continue; and steps taken or planned to reduce, eliminate, and	Construction Sequence:	UITUILS ARE TO BE STABILIZED IMME	
		CFR 122.41(I)(7)] continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance. [40 CFR 122.41(I)(6). Division staff may waive the requirement for a written report on a case-by-case basis.	^	O A CERTIFICATE OF COVERAGE (COC)	MUST BE OBTAINED BEFORE ANY LAND DISTURBING ACTIVITIE
NCG01 SELE ING	PECTION, RECORDKEEPING AND RE		3. ANY DEWATERING ON THE SITE SHALL BE DONE THROU	IGH A SILT BAG THAT IS CONSTANTLY	
	LUTION, NECONDREEFIND AND RE	$\begin{array}{c} \text{LTTECTIVE}, 04/01/19 \end{array}$	TEMPORARY DIVERSIONS, BERMS AND BASINS IMMEDI	ATELY AFTER CONSTRUCTION.	INS OR OTHER MEASURES AS SHOWN ON THE APPROVED PLAN
			 CALL WATERSHED MANAGER, JEEVAN NEUPANE FOR AI BEGIN CLEARING AND GRUBBING. MAINTAIN DEVICES ENSURE AS MUCH FLOW AS POSSIBLE IS DIRECTED TO T 	AS NEEDED. ROUGH GRADE SITE. INS	ERTIFICATE OF COMPLIANCE. TALL TEMPORARY SKIMMER SEDIMENT BASINS, ALONG WITH
			7. AS ROUGH MASS GRADING CONTINUES, SKIMMER SED	IMENT BASINS SHALL BE MAINTAINED	AND CLEANED OF SEDIMENT. GRADING OF THE BASINS CAN C WET POND (TSB-1) SHALL BE REMOVED AS FOLLOWS: DEWAT
			TO TORE SITE STEENING ENDSIDIN CONTROL FIASE, SEDIN		

- BAFFLES. RE-SHAPE THE BASIN AS REQUIRED BY THE DESIGN DRAWINGS, INCLUDING EXCAVATION/SHAPING OF THE FOREBAY. SEED AND STABILIZE BASIN SLOPES. IN THE FUTURE SITE-SPECIFIC EROSION CONTROL PLAN SKIMMER SEDIMENT BASINS TO BE ABANDONED SHALL BE REMOVED AS FOLLOWS: DEWATER THROUGH SILT BAG, CLEAN SEDIMENT, REMOVE BAFFLES, BACKFILL BASIN AND STABILIZE IMMEDIATELY. DEWATERING OPERATIONS THROUGH SILT BAGS SHALL BE MONITORED CONTINUOUSLY.
- 8. STABILIZE STE AS AREAS ARE BROUGHT UP TO FINISH GRADE WITH VEGETATION, DITCH LININGS, ETC. SEED AND MULCH DENUDED AREAS PER GROUND STABILIZATION TIME FRAME. 9. WHEN MASS GRADING IS COMPLETE AND ALL AREAS ARE STABILIZED COMPLETELY, CALL WATERSHED MANAGER JEEVAN NEUPANE FOR INSPECTION. 10. IF SITE IS APPROVED, MAINTAIN TEMPORARY DIVERSIONS, SILT FENCE, SEDIMENT BASINS, ETC., AND SEED OR STABILIZED ANY RESULTING BARE AREAS. ALL REMAINING PERMANENT EROSION CONTROL DEVICES, SUCH AS
- VELOCITY DISSIPATERS, SHOULD NOW BE INSTALLED. 11. WHEN VEGETATION HAS BECOME ESTABLISHED, CALL FOR FINAL SITE INSPECTION BY THE WATERSHED MANAGER, JEEVAN NEUPANE. OBTAIN CERTIFICATE OF COMPLETION.



ND DEBRIS SHALL NOT BE RITTEN AUTHORIZATION FROM

F FOUND ON SITE, SHALL BE IATERIALS CONTRACTOR. MEDIATELY IF HAZARDOUS ER PINS, MONUMENTS,

DURING DEMOLITION SHALL HAVE DISTURBED ITEMS ADDITIONAL COST TO THE

CAL, STATE, FEDERAL, AND DEMOLITION EQUIPMENT

ITAIN TRAFFIC CONTROL CDOT STANDARDS, AND AS ORKING IN AND/OR ALONG ALL BE THE CONTRACTOR'S ND COORDINATE WITH THE DING THE NEED, EXTENT, AND ING AND MAINTAINING

AES ADJACENT STRUCTURES 10LITION OR CONSTRUCTION

/EGETATION AND URBANCE UNLESS NOTED

TS OR TREES NOT INDICATED TO

Basin Removal Sequence: 🖄 1. SCHEDULE A SITE MEETING WITH THE ENVIRONMENTAL CONSULTANT TO DETERMINE IF A BASIN CAN BE REMOVED. INSTALL SILT FENCING OR OTHER TEMPORARY EROSION CONTROL MEASURES AS NEEDED PRIOR TO REMOVAL OF THE BASIN. 2. CONTACT NCDEQ - RALEIGH REGIONAL OFFICE (919) 791-4200 TO DETERMINE THE DIVISION OF ENERGY, MINERAL AND LAND RESOURCES

CONTACT PERSON TO RECEIVE DEWATERING NOTIFICATIONS. AT LEAST 10 DAYS PRIOR TO BEGINNING DEWATERING ACTIVITY, SEND EMAIL TO NCDEQ-DEMLR CONTACT PERSON AND COPY ENVIRONMENTAL CONSULTANT THAT MET YOU ONSITE. THE EMAIL SHOULD INCLUDE: E&SC JURISDICTION: WAKE COUNTY, WAKE COUNTY PROJECT: NAME, NUMBER, AND LOCATION (CITY/TOWN), ENVIRONMENTAL CONSULTANT NAME, AND ADDRESS THE FOLLOWING: A) REASON FOR CONVERSION, B) BASIN #, C) DEWATERING METHOD, AND D) ALL OTHER NECESSARY INFO FROM PART II, SECTION G, ITEM 4 OF THE NCG01. KEEP EMAIL FOR YOUR NDPES MONITORING DOCUMENTATION

3. AFTER RECEIVING POSITIVE CONFIRMATION FROM NCDEQ-DEMLR THAT YOU MAY REMOVE THE BASIN OR ON > DAY 11, WHICHEVER IS SOONER, REMOVE BASIN(S) AND ASSOCIATED TEMPORARY DIVERSION DITCHES. IF PIPES NEED TO BE EXTENDED, PERFORM THIS OPERATION AT THIS TIME. FINE GRADE AREA IN PREPARATION FOR SEEDING.

4. PERFORM SEEDBED PREPARATION, SEED, MULCH AND ANCHOR ANY RESULTING BARE AREAS IMMEDIATELY.

5. INSTALL VELOCITY DISSIPATORS AND/OR LEVEL SPREADERS AS REQUIRED ON THE EROSION CONTROL PLAN.

6. WHEN SITE IS FULLY STABILIZED, CALL ENVIRONMENTAL CONSULTANT FOR APPROVAL OF REMOVING REMAINING TEMPORARY EROSION CONTROL MEASURES AND ADVICE ON WHEN SITE CAN BE ISSUED A CERTIFICATE OF COMPLETION. NOTE: A MEETING SHOULD ALSO BE SCHEDULED WITH THE ENVIRONMENTAL CONSULTANT TO DETERMINE WHEN A BASIN MAY BE CONVERTED FOR STORMWATER USE. SOME MUNICIPALITIES MAY ALSO REQUIRE THIS.

ATTENTION CONTRACTORS

The Construction Contractor responsible for the extension of water, sewer, and/or reuse, as approved in these plans, is responsible for contacting the Public Utilities Department at (919) 996-4540 at least twenty four hours prior to beginning any of their construction.

Failure to notify both City Departments in advance of beginning construction, will result in the issuance of monetary fines, and require reinstallation of any water or sewer facilities not inspected as a result of this notification failure.

Failure to call for Inspection, Install a Downstream Plug, have Permitted Plans on the Jobsite, or any other Violation of City of Raleigh Standards will result in a Fine and Possible Exclusion from future work in the City of Raleigh.

STURBING ACTIVITY WILL BEGIN.

RES ARE INSPECTED AND APPROVED BY THE ENGINEER.

NITIATING LAND DISTURBING ACTIVITIES IS REQUIRED. FOR

COMPLETION OF ANY PHASE OF GRADING ON PERIMETER

AILURE TO KEEP ALL EROSION CONTROL DEVICES IN PROPER

INADEQUATE. AND RULES. IN ADDITION LOCAL CITY AND COUNTY ORDINANCES

ULES ARE ENFORCED BY THE DIVISION OF WATER RESOURCES REGIONAL OFFICE AT (919) 791-4200.

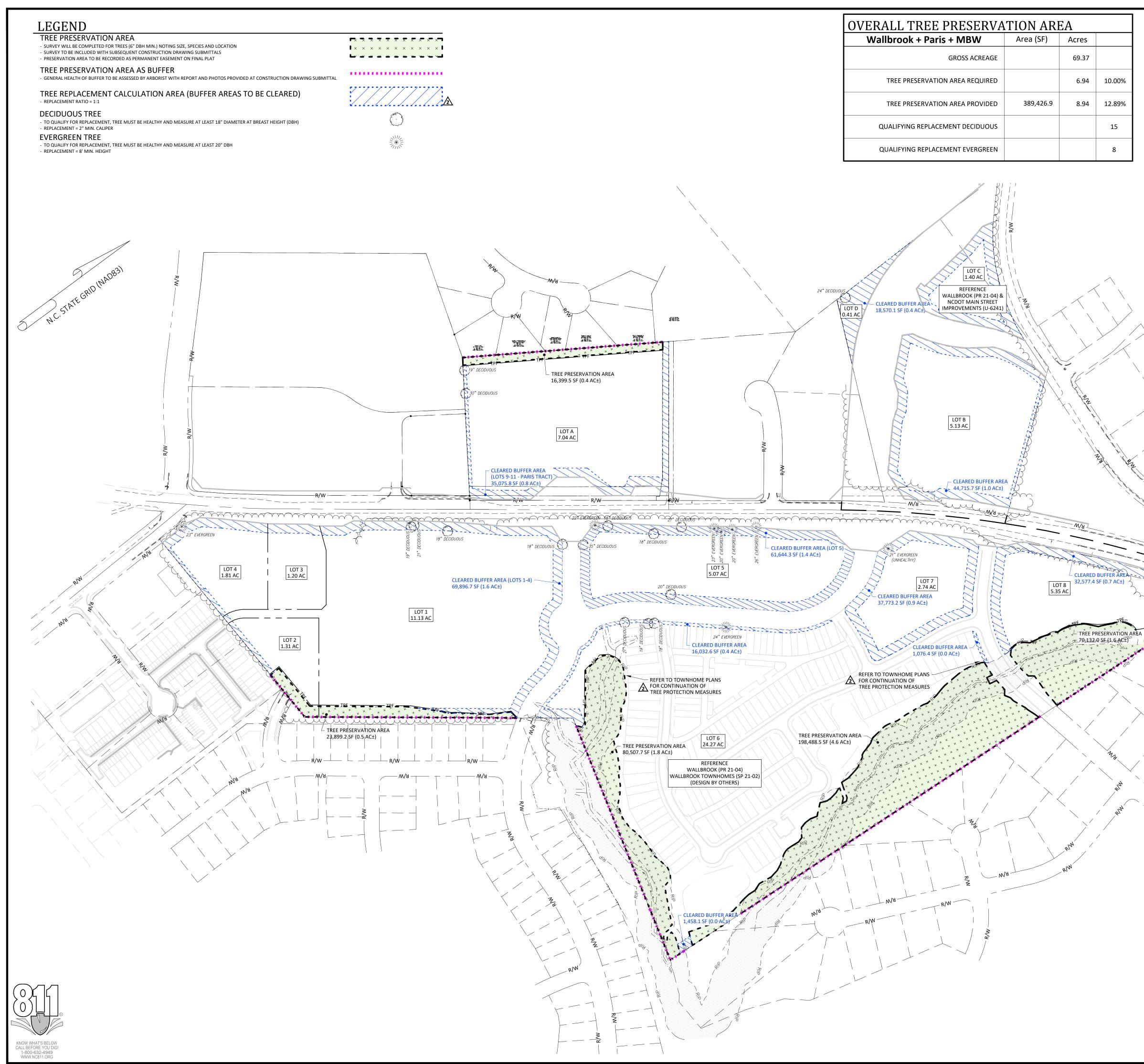
ES OCCUR. CTION MEETING AND FOR NOTIFICATION OF PROJECT START UP.

AN. CLEAR ONLY AS NECESSARY TO INSTALL THESE DEVICES. SEED

I TEMPORARY DIVERSION DITCHES THAT SHALL BE INSTALLED TO

CONTINUE WITH TSB-1 BECOMING A FUTURE WET POND. IN THE TER (THROUGH SILT BAG), CLEAN SEDIMENT, AND REMOVE





OVERALL TREE PRESERVATION AREA					
Wallbrook + Paris + MBW	Area (SF)	Acres			
GROSS ACREAGE		69.37			
TREE PRESERVATION AREA REQUIRED		6.94	10.00%		
TREE PRESERVATION AREA PROVIDED	389,426.9	8.94	12.89%		
QUALIFYING REPLACEMENT DECIDUOUS			15		
QUALIFYING REPLACEMENT EVERGREEN			8		

TREE PRESERVATION AREA Wallbrook Area (SF) Acres Lot 1 (Publix) 484,860.9 11.13 Lot 2 57,276.4 1.31 Lot 3 78,721.7 1.81 Lot 4 52,181.8 1.20 Lot 5 (Boat Tract) 220,767.8 5.07 Lot 6 (Townhomes) 876,206.2 20.11 Lot 7 119,306.6 2.74 Lot 8 232,855.7 5.35 Right-of-Way (Future) 230,799.5 6.68 WALLBROOK GROSS ACREAGE 55.39 TREE PRESERVATION AREA 373,027.4 8.56 QUALIFYING REPLACEMENT DECIDUOUS 12 QUALIFYING REPLACEMENT EVERGREEN 8 Paris Tract Area (SF) Acres Lot A 306,780.8 7.04 TREE PRESERVATION AREA 16,399.5 0.38 5.35% QUALIFYING REPLACEMENT DECIDUOUS 20 2 QUALIFYING REPLACEMENT DECIDUOUS 20 0 QUALIFYING REPLACEMENT DECIDUOUS 0 0							
Lot 1 (Publix) 484,860.9 11.13 Lot 2 57,276.4 1.31 Lot 3 78,721.7 1.81 Lot 4 52,181.8 1.20 Lot 5 (Boat Tract) 220,767.8 5.07 Lot 6 (Townhomes) 876,206.2 20.11 Lot 7 119,306.6 2.74 Lot 8 232,855.7 5.35 Right-of-Way (Future) 290,799.5 6.68 WALLBROOK GROSS ACREAGE 55.39 TREE PRESERVATION AREA 373,027.4 8.56 QUALIFYING REPLACEMENT DECIDUOUS 12 QUALIFYING REPLACEMENT EVERGREEN 8 THEE PRESERVATION AREA 306,780.8 7.04 PARIS TRACT GROSS ACREAGE 7.04 Lot A 306,780.8 7.04 QUALIFYING REPLACEMENT DECIDUOUS 2 QUALIFYING REPLACEMENT DECIDUOUS 0 QUALIFYING REPLACEMENT DECIDUOUS 2 QUALIFYING REPLACEMENT EVERGREEN 0 QUALIFYING REPLACEMENT EVERGREEN 0 QUALIFYING REPLACEMENT EVERGREEN<	TREE PRESERVATION AREA						
Lot 2 57,276.4 1.31 Lot 3 78,721.7 1.81 Lot 4 52,181.8 1.20 Lot 5 (Boat Tract) 220,767.8 5.07 Lot 6 (Townhomes) 876,206.2 20.11 Lot 7 119,306.6 2.74 Lot 8 232,855.7 5.35 Right-of-Way (Future) 290,799.5 6.68 WALLBROOK GROSS ACREAGE 55.39 QUALIFYING REPLACEMENT DECIDUOUS 112 QUALIFYING REPLACEMENT DECIDUOUS 12 QUALIFYING REPLACEMENT EVERGREEN 8 TREE PRESERVATION AREA Area (SF) Acres Lot A 306,780.8 7.04 Paris Tract Area (SF) Acres QUALIFYING REPLACEMENT DECIDUOUS 2 QUALIFYING REPLACE	Wallbrook	Area (SF)	Acres				
Lot 3 78,721.7 1.81 Lot 4 52,181.8 1.20 Lot 5 (Boat Tract) 220,767.8 5.07 Lot 6 (Townhomes) 876,206.2 20.11 Lot 7 119,306.6 2.74 Lot 8 232,855.7 5.35 Right-of-Way (Future) 290,799.5 6.68 WALLBROOK GROSS ACREAGE 55.39 TREE PRESERVATION AREA 373,027.4 8.56 QUALIFYING REPLACEMENT DECIDUOUS 12 QUALIFYING REPLACEMENT EVERGREEN 8 Paris Tract Area (SF) Acres Lot A 306,780.8 7.04 PARIS TRACT GROSS ACREAGE 7.04 2 QUALIFYING REPLACEMENT DECIDUOUS 2 0 UALIFYING REPLACEMENT DECIDUOUS 2 0 QUALIFYING REPLACEMENT EVERGREEN 0 0 Lot B 223,658.5	Lot 1 (Publix)	484,860.9	11.13				
Lot 4 52,181.8 1.20 Lot 5 (Boat Tract) 220,767.8 5.07 Lot 6 (Townhomes) 876,206.2 20.11 Lot 7 119,306.6 2.74 Lot 8 232,855.7 5.35 Right-of-Way (Future) 290,799.5 6.68 WALLBROOK GROSS ACREAGE 55.39 15.46% QUALIFYING REPLACEMENT DECIDUOUS 12 12 QUALIFYING REPLACEMENT DECIDUOUS 8 8 Paris Tract Area (SF) Acres Lot A 306,780.8 7.04 PARIS TRACT GROSS ACREAGE 7.04 2 QUALIFYING REPLACEMENT DECIDUOUS 22 0 Lot A 306,780.8 7.04 PARIS TRACT GROSS ACREAGE 7.04 2 QUALIFYING REPLACEMENT DECIDUOUS 22 0 QUALIFYING REPLACEMENT DECIDUOUS 22 0 QUALIFYING REPLACEMENT DECIDUOUS 22 0 QUALIFYING REPLACEMENT EVERGREEN 0 0 QUALIFYING REPLACEMENT EVERGREEN 0 0	Lot 2	57,276.4	1.31				
Lot 5 (Boat Tract) 220,767.8 5.07 Lot 6 (Townhomes) 876,206.2 20.11 Lot 7 119,306.6 2.74 Lot 8 232,855.7 5.35 Right-of-Way (Future) 290,799.5 6.68 WALLBROOK GROSS ACREAGE 55.39 WALLBROOK GROSS ACREAGE 55.39 QUALIFYING REPLACEMENT DECIDUOUS 12 QUALIFYING REPLACEMENT DECIDUOUS 8 V 8 Paris Tract Area (SF) Acres Lot A 306,780.8 7.04 PARIS TRACT GROSS ACREAGE 7.04 2 Lot A 306,780.8 7.04 PARIS TRACT GROSS ACREAGE 7.04 2 QUALIFYING REPLACEMENT DECIDUOUS 2 2 QUALIFYING REPLACEMENT DECIDUOUS 2 0 UALIFYING REPLACEMENT EVERGREEN 0 0 QUALIFYING REPLACEMENT EVERGREEN 0 0 QUALIFYING REPLACEMENT EVERGREEN 0 0 Lot A 223,658.5 5.13 1	Lot 3	78,721.7	1.81				
Lot 6 (Townhomes) 876,206.2 20.11 Lot 7 119,306.6 2.74 Lot 8 232,855.7 5.35 Right-of-Way (Future) 290,799.5 6.68 WALLBROOK GROSS ACREAGE 55.39 QUALIFYING REPLACEMENT DECIDUOUS 12 QUALIFYING REPLACEMENT DECIDUOUS 12 QUALIFYING REPLACEMENT EVERGREEN 8 Current Control 8 Paris Tract Area (SF) Acres Lot A 306,780.8 7.04 PARIS TRACT GROSS ACREAGE 7.04 2 QUALIFYING REPLACEMENT DECIDUOUS 2 2 QUALIFYING REPLACEMENT EVERGREEN 0 0 Ut A 306,780.8 7.04 PARIS TRACT GROSS ACREAGE 7.04 2 QUALIFYING REPLACEMENT DECIDUOUS 2 0 QUALIFYING REPLACEMENT DECIDUOUS 2 0 QUALIFYING REPLACEMENT EVERGREEN 0 0 QUALIFYING REPLACEMENT EVERGREEN 0 0 Lot B 223,658.5 5.13 1	Lot 4	52,181.8	1.20				
Lot 7 119,306.6 2.74 Lot 8 232,855.7 5.35 Right-of-Way (Future) 290,799.5 6.68 WALLBROOK GROSS ACREAGE 55.39 TREE PRESERVATION AREA 373,027.4 8.56 QUALIFYING REPLACEMENT DECIDUOUS 12 QUALIFYING REPLACEMENT EVERGREEN 8 CUALIFYING REPLACEMENT EVERGREEN 8 Paris Tract Area (SF) Acres Lot A 306,780.8 7.04 PARIS TRACT GROSS ACREAGE 7.04 2 QUALIFYING REPLACEMENT DECIDUOUS 0.38 5.35% QUALIFYING REPLACEMENT DECIDUOUS 2 2 QUALIFYING REPLACEMENT DECIDUOUS 2 0 QUALIFYING REPLACEMENT DECIDUOUS 2 2 QUALIFYING REPLACEMENT DECIDUOUS 0 0 UO 223,658.5 5.13 Lot B 223,658.5 5.13 Lot B 223,658.5 5.13 Lot C 60,807.1 1.40 Lot D 17,893.2 0.41	Lot 5 (Boat Tract)	220,767.8	5.07				
Lot 8 232,855.7 5.35 Right-of-Way (Future) 290,799.5 6.68 WALLBROOK GROSS ACREAGE 55.39 TREE PRESERVATION AREA 373,027.4 8.56 15.46% QUALIFYING REPLACEMENT DECIDUOUS 12 12 QUALIFYING REPLACEMENT EVERGREEN 8 8 CUUALIFYING REPLACEMENT EVERGREEN Area (SF) Acres Paris Tract Area (SF) Acres 12 Lot A 306,780.8 7.04 2 QUALIFYING REPLACEMENT DECIDUOUS 0.308 5.35% QUALIFYING REPLACEMENT DECIDUOUS 0.38 5.35% QUALIFYING REPLACEMENT DECIDUOUS 2 2 QUALIFYING REPLACEMENT EVERGREEN 0 0 QUALIFYING REPLACEMENT EVERGREEN 0 0 QUALIFYING REPLACEMENT EVERGREEN 223,658.5 5.13 Lot B 223,658.5 5.13 1 Lot C 60,807.1 1.400 1 Lot D MBW GROSS ACREAGE 6.94 1 MBW GROSS ACREAGE 6.94<	Lot 6 (Townhomes)	876,206.2	20.11				
Right-of-Way (Future) 290,799.5 6.68 WALLBROOK GROSS ACREAGE 55.39 15.46% QUALIFYING REPLACEMENT DECIDUOUS 12 12 QUALIFYING REPLACEMENT DECIDUOUS 12 8 Paris Tract Area (SF) Acres Lot A 306,780.8 7.04 PARIS TRACT GROSS ACREAGE 7.04 2 QUALIFYING REPLACEMENT DECIDUOUS 2 2 Lot A 306,780.8 7.04 PARIS TRACT GROSS ACREAGE 7.04 2 QUALIFYING REPLACEMENT DECIDUOUS 2 2 QUALIFYING REPLACEMENT DECIDUOUS 0 0 QUALIFYING REPLACEMENT EVERGREEN 0 0 UCALIFYING REPLACEMENT EVERGREEN 0 0 UCALIFYING REPLACEMENT EVERGREEN 0 0 Uct B 223,658.5 5.13 1 Lot C 60,807.1 1.40 1 Lot D 17,893.2 0.41 1 MBW GROSS ACREAGE 6.94 6.94 1 QUALIFYING REPLACEM	Lot 7	119,306.6	2.74				
WALLBROOK GROSS ACREAGE55.39TREE PRESERVATION AREA373,027.48.5615.46%QUALIFYING REPLACEMENT DECIDUOUS1212QUALIFYING REPLACEMENT EVERGREEN88Paris TractArea (SF)AcresLot A306,780.87.04PARIS TRACT GROSS ACREAGE7.04QUALIFYING REPLACEMENT DECIDUOUS2QUALIFYING REPLACEMENT DECIDUOUS2QUALIFYING REPLACEMENT DECIDUOUS2QUALIFYING REPLACEMENT DECIDUOUS0UALIFYING REPLACEMENT EVERGREEN0OUALIFYING REPLACEMENT EVERGREEN0UCALIFYING REPLACEMENT EVERGREEN0UCALIFYING REPLACEMENT DECIDUOUS0UCALIFYING REPLACEMENT EVERGREEN0UCALIFYING REPLACEMENT DECIDUOUS0UCALIFYING REPLACEMENT DECIDUOUS0.041Lot B223,658.5Lot C60,807.1Lot C60,807.1Lot D17,893.2MBW GROSS ACREAGE6.94TREE PRESERVATION AREA0.0QUALIFYING REPLACEMENT DECIDUOUS1	Lot 8	232,855.7	5.35				
TREE PRESERVATION AREA373,027.48.5615.46%QUALIFYING REPLACEMENT DECIDUOUS1212QUALIFYING REPLACEMENT EVERGREEN88Paris TractArea (SF)AcresLot A306,780.87.04PARIS TRACT GROSS ACREAGE7.04QUALIFYING REPLACEMENT DECIDUOUS0.38QUALIFYING REPLACEMENT DECIDUOUS0.38QUALIFYING REPLACEMENT DECIDUOUS2QUALIFYING REPLACEMENT EVERGREEN0DUALIFYING REPLACEMENT EVERGREEN0UC223,658.5Lot B223,658.5Lot C60,807.1Lot D17,893.2MBW GROSS ACREAGE6.94TREE PRESERVATION AREA0.000.00%QUALIFYING REPLACEMENT DECIDUOUS11	Right-of-Way (Future)	290,799.5	6.68				
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QUALIFYING REPLACEMENT EVERGREENImage: Constraint of the systemStatementParis TractArea (SF)AcresAcresLot A306,780.87.04Image: Constraint of the systemPARIS TRACT GROSS ACREAGE7.047.04PARIS TRACT GROSS ACREAGE7.04Image: Constraint of the systemQUALIFYING REPLACEMENT DECIDUOUS0.385.35%QUALIFYING REPLACEMENT DECIDUOUS12QUALIFYING REPLACEMENT EVERGREEN00International Constraint of the system00MBW TractArea (SF)AcresLot B223,658.55.13Lot C60,807.11.40Lot D17,893.20.41MBW GROSS ACREAGE6.94QUALIFYING REPLACEMENT DECIDUOUS0.000.00%QUALIFYING REPLACEMENT DECIDUOUS11	TREE PRESERVATION AREA	373,027.4	8.56	15.46%			
Paris TractArea (SF)AcresLot A306,780.87.04PARIS TRACT GROSS ACREAGE7.04TREE PRESERVATION AREA16,399.50.38QUALIFYING REPLACEMENT DECIDUOUS22QUALIFYING REPLACEMENT EVERGREEN00MBW TractArea (SF)AcresLot B223,658.55.13Lot C60,807.11.40Lot D17,893.20.41MBW GROSS ACREAGE6.941TREE PRESERVATION AREA0.00.00%QUALIFYING REPLACEMENT DECIDUOUS11	QUALIFYING REPLACEMENT DECIDUOUS			12			
Lot A 306,780.8 7.04 PARIS TRACT GROSS ACREAGE 7.04 TREE PRESERVATION AREA 16,399.5 0.38 5.35% QUALIFYING REPLACEMENT DECIDUOUS 2 2 QUALIFYING REPLACEMENT EVERGREEN 0 0 MBW Tract Area (SF) Acres 2 Lot B 223,658.5 5.13 1 Lot C 60,807.1 1.40 1 Lot D 17,893.2 0.41 1 MBW GROSS ACREAGE 6.94 1 1 QUALIFYING REPLACEMENT DECIDUOUS 1 1 1	QUALIFYING REPLACEMENT EVERGREEN			8			
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TREE PRESERVATION AREA16,399.50.385.35%QUALIFYING REPLACEMENT DECIDUOUS22QUALIFYING REPLACEMENT EVERGREEN00MBW TractArea (SF)AcresLot B223,658.55.13Lot C60,807.11.40Lot D17,893.20.41MBW GROSS ACREAGE6.94QUALIFYING REPLACEMENT DECIDUOUS0.00QUALIFYING REPLACEMENT DECIDUOUS1	Lot A	306,780.8	7.04				
QUALIFYING REPLACEMENT DECIDUOUS2QUALIFYING REPLACEMENT EVERGREEN0MBW TractArea (SF)AcresLot B223,658.55.13Lot C60,807.11.40Lot D17,893.20.41MBW GROSS ACREAGE6.94QUALIFYING REPLACEMENT DECIDUOUS0.000.00%	PARIS TRACT GROSS ACREAGE		7.04				
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MBW Tract Area (SF) Acres Lot B 223,658.5 5.13 Lot C 60,807.1 1.40 Lot D 117,893.2 0.41 MBW GROSS ACREAGE 6.94 0.00 QUALIFYING REPLACEMENT DECIDUOUS 1 1	QUALIFYING REPLACEMENT DECIDUOUS			2			
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Lot B 223,658.5 5.13 Lot C 60,807.1 1.40 Lot D 17,893.2 0.41 MBW GROSS ACREAGE 6.94 TREE PRESERVATION AREA 0.0 0.00% QUALIFYING REPLACEMENT DECIDUOUS 1 1							
Lot C 60,807.1 1.40 Lot D 17,893.2 0.41 MBW GROSS ACREAGE 6.94 TREE PRESERVATION AREA 0.0 0.00% QUALIFYING REPLACEMENT DECIDUOUS 1	MBW Tract	Area (SF)	Acres				
Lot D17,893.20.41MBW GROSS ACREAGE6.94TREE PRESERVATION AREA0.00.00QUALIFYING REPLACEMENT DECIDUOUS1	Lot B	223,658.5	5.13				
MBW GROSS ACREAGE6.94TREE PRESERVATION AREA0.00.00QUALIFYING REPLACEMENT DECIDUOUS1	Lot C	60,807.1	1.40				
TREE PRESERVATION AREA0.00.000.00%QUALIFYING REPLACEMENT DECIDUOUS1	Lot D	17,893.2	0.41				
QUALIFYING REPLACEMENT DECIDUOUS	MBW GROSS ACREAGE		6.94				
	TREE PRESERVATION AREA	0.0	0.00	0.00%			
QUALIFYING REPLACEMENT EVERGREEN 0	QUALIFYING REPLACEMENT DECIDUOUS			1			
	QUALIFYING REPLACEMENT EVERGREEN			0			

	CROSLAND SOUTHEAST	2 22-JUL-22 REVISED PER TOR & WAKE COUNTY COMMENTS	1 15-JUN-22 REVISED PER TOR & WAKE COUNTY COMMENTS	# DATE DESCRIPTION
TREE PRESERVATION PLAN	WALLBROOK MASS GRADING / EROSION CONTROL /			Rolesville, Wake County, North Carolina
Project	C. FAG SEACO 31970 71/22/2022 Manager: Drawn By:	N N N N N N N N N N N N N N N N N N N		

DLC STA

21089

Drawing Number: D-1219-EC

C0.3

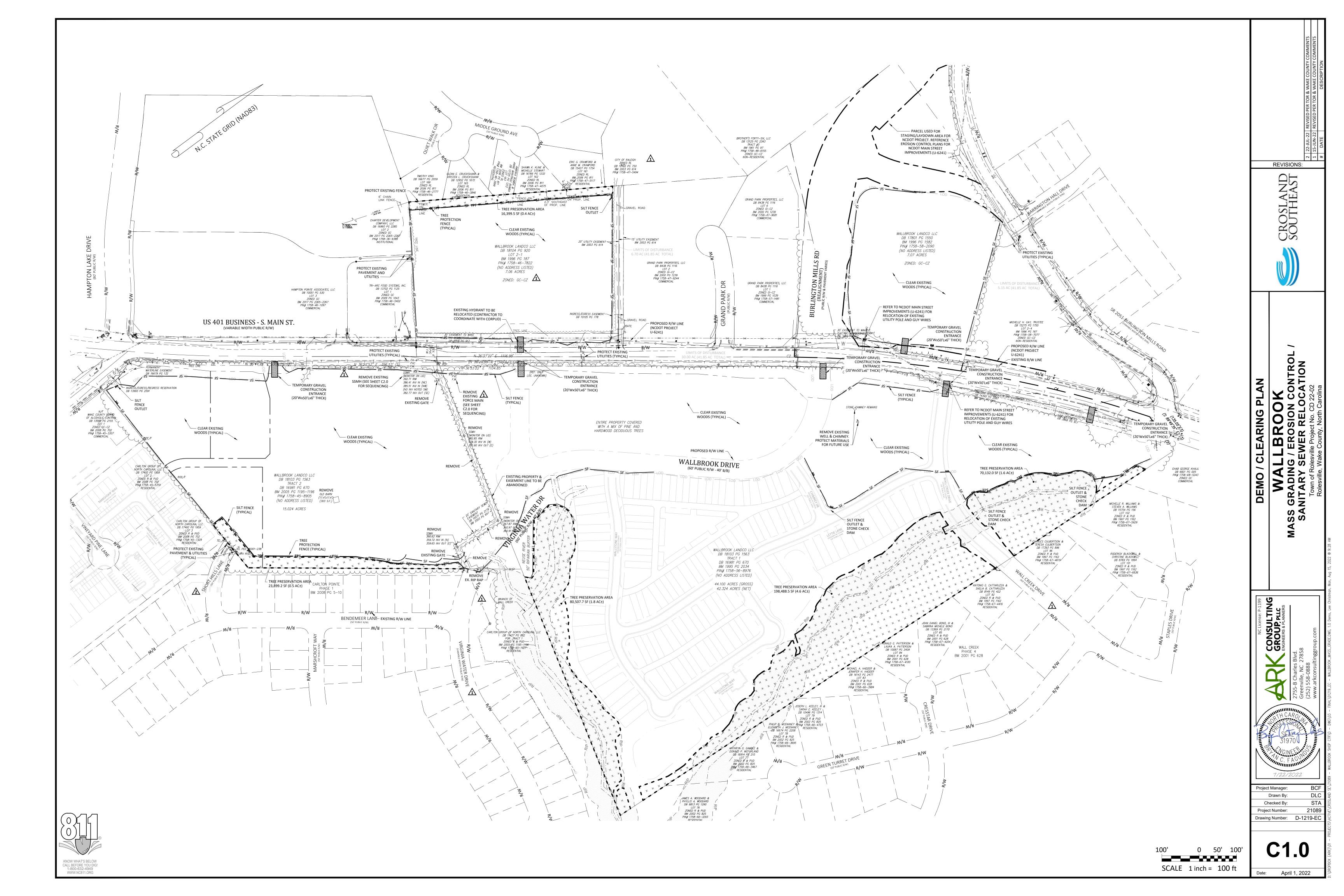
Date: April 1, 2022

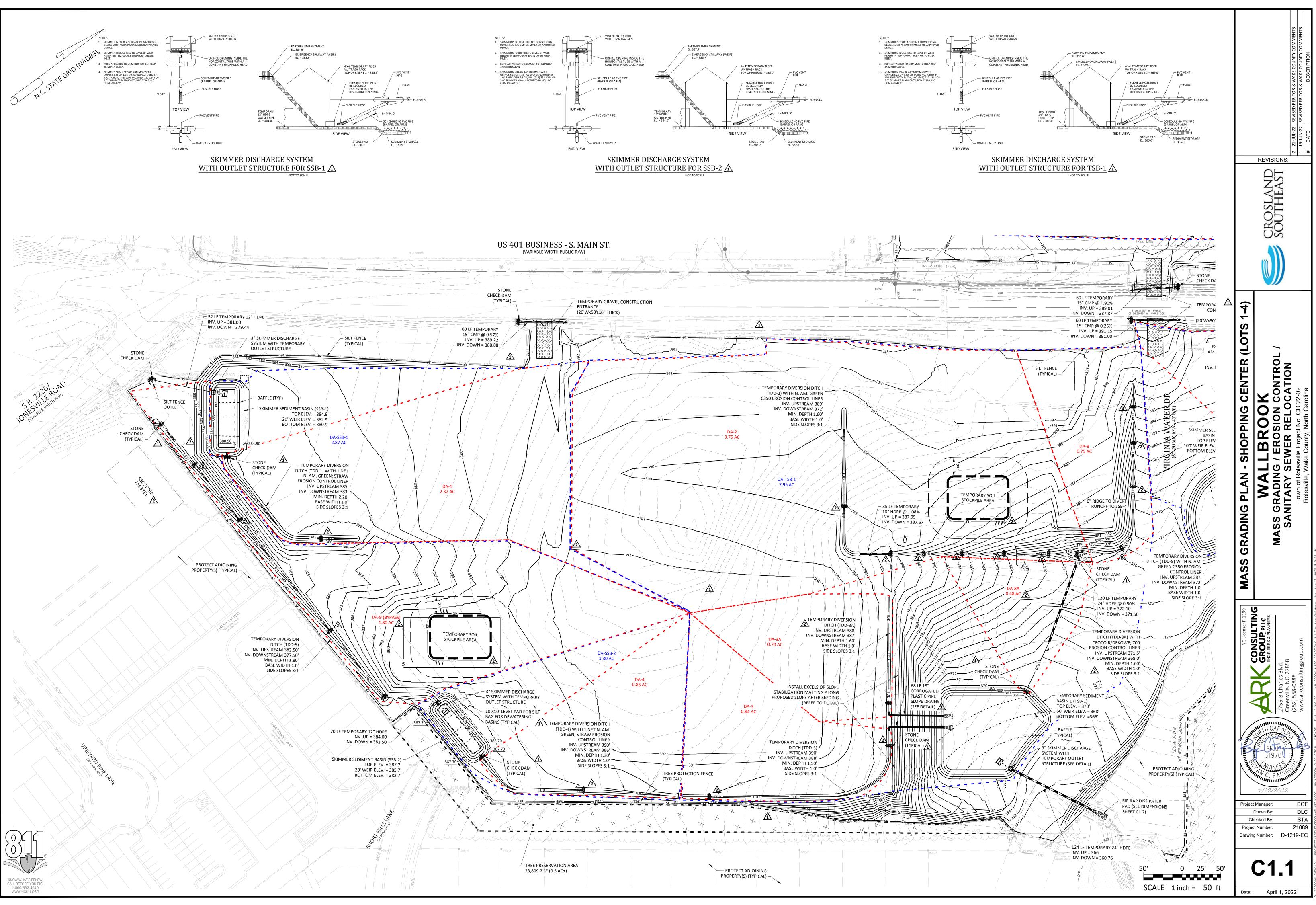
Checked By:

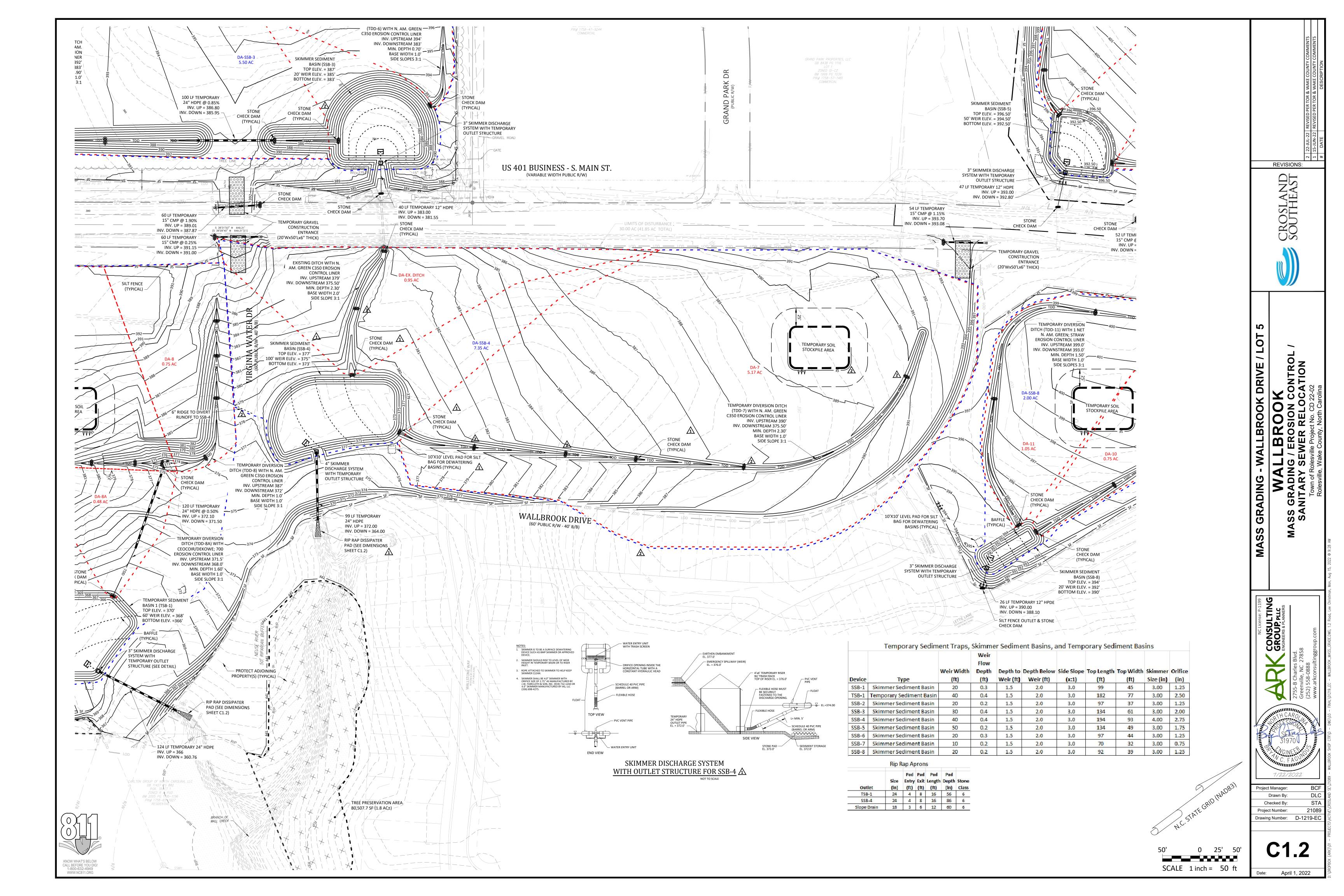
Project Number:

150' 0 75' 150'

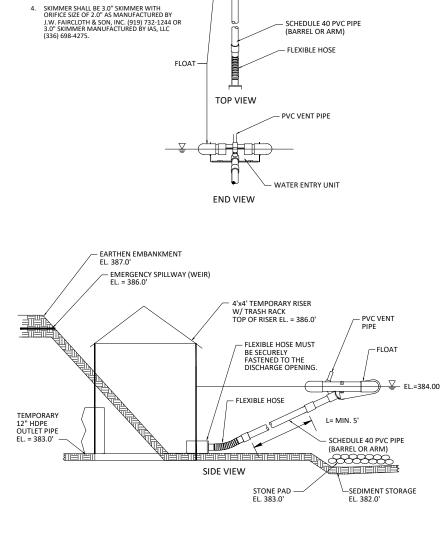
SCALE 1 inch = 150 ft











NOTES: 1. SKIMMER IS TO BE A SURFACE DEWATERING DEVICE. WATER ENTRY UNIT WITH TRASH SCREEN WITH TRASH SCREEN

ORIFICE OPENING INSIDE THE HORIZONTAL TUBE WITH A CONSTANT HYDRAULIC HEAD

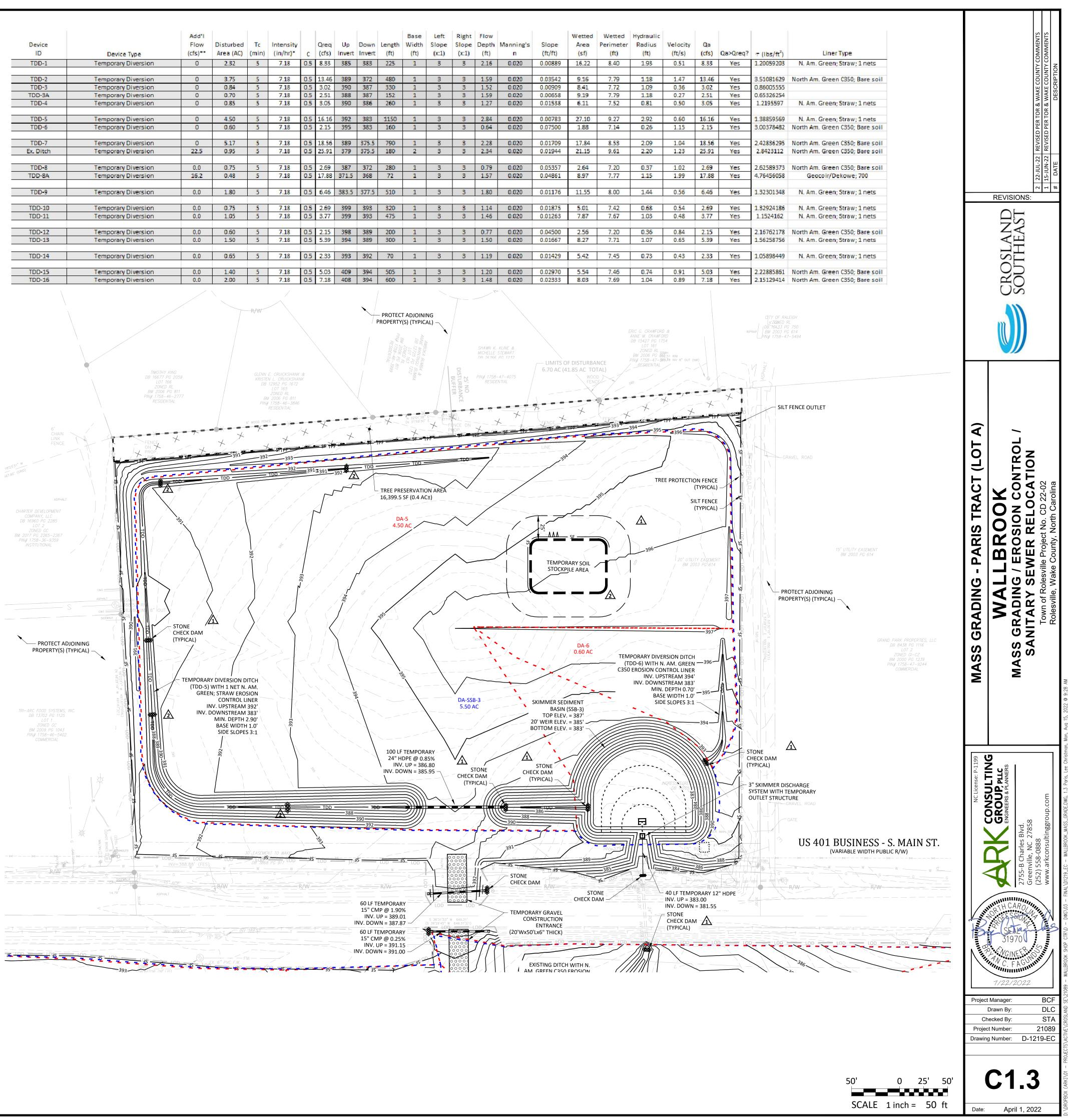
SKIMMER SHOULD RISE TO LEVEL OF WEIR HEIGHT IN TEMPORARY BASIN OR TO RISER INLET.

3. ROPE ATTACHED TO SKIMMER TO HELP KEEP SKIMMER CLEAN.

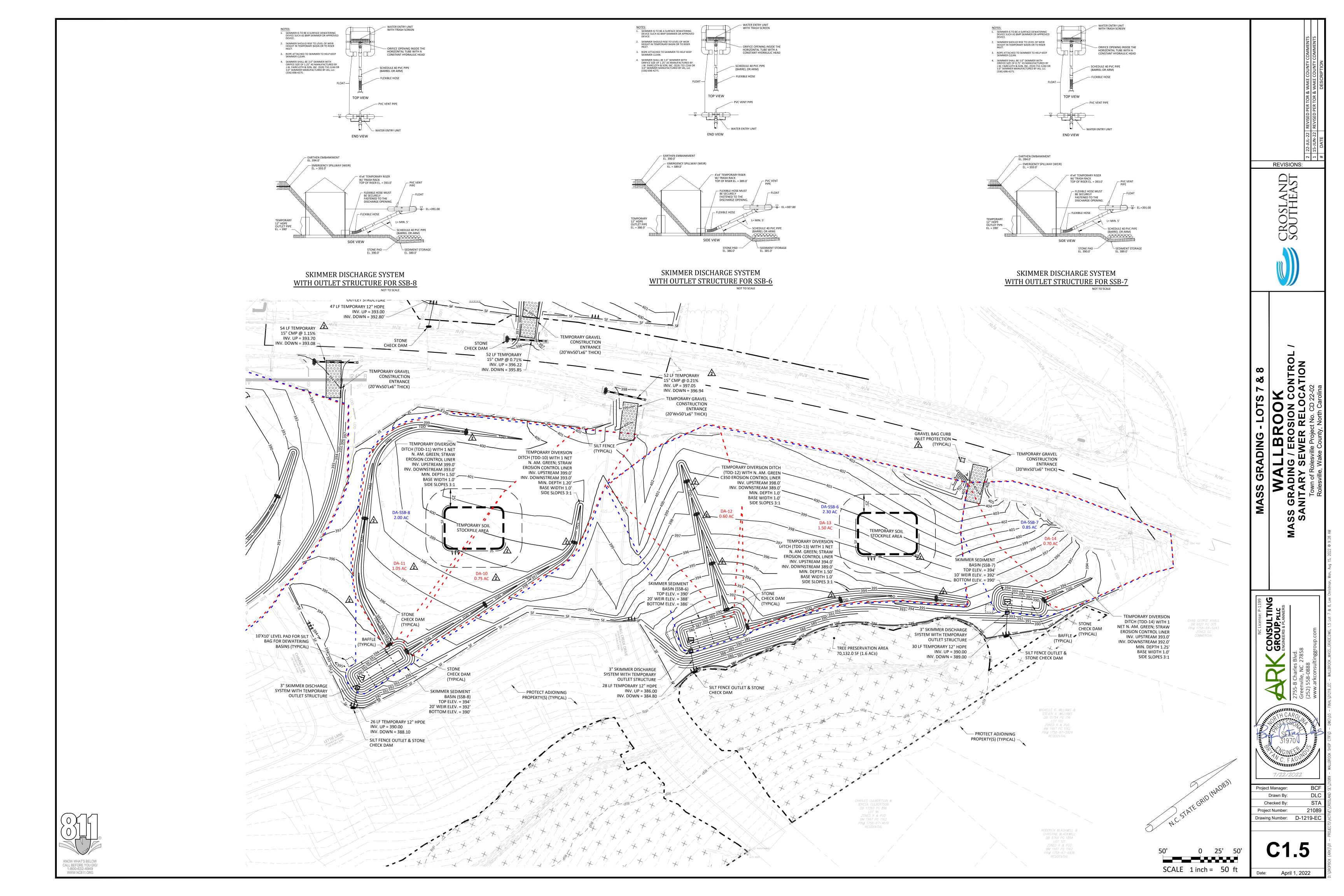
N.C. STATE GRID (NAD83)

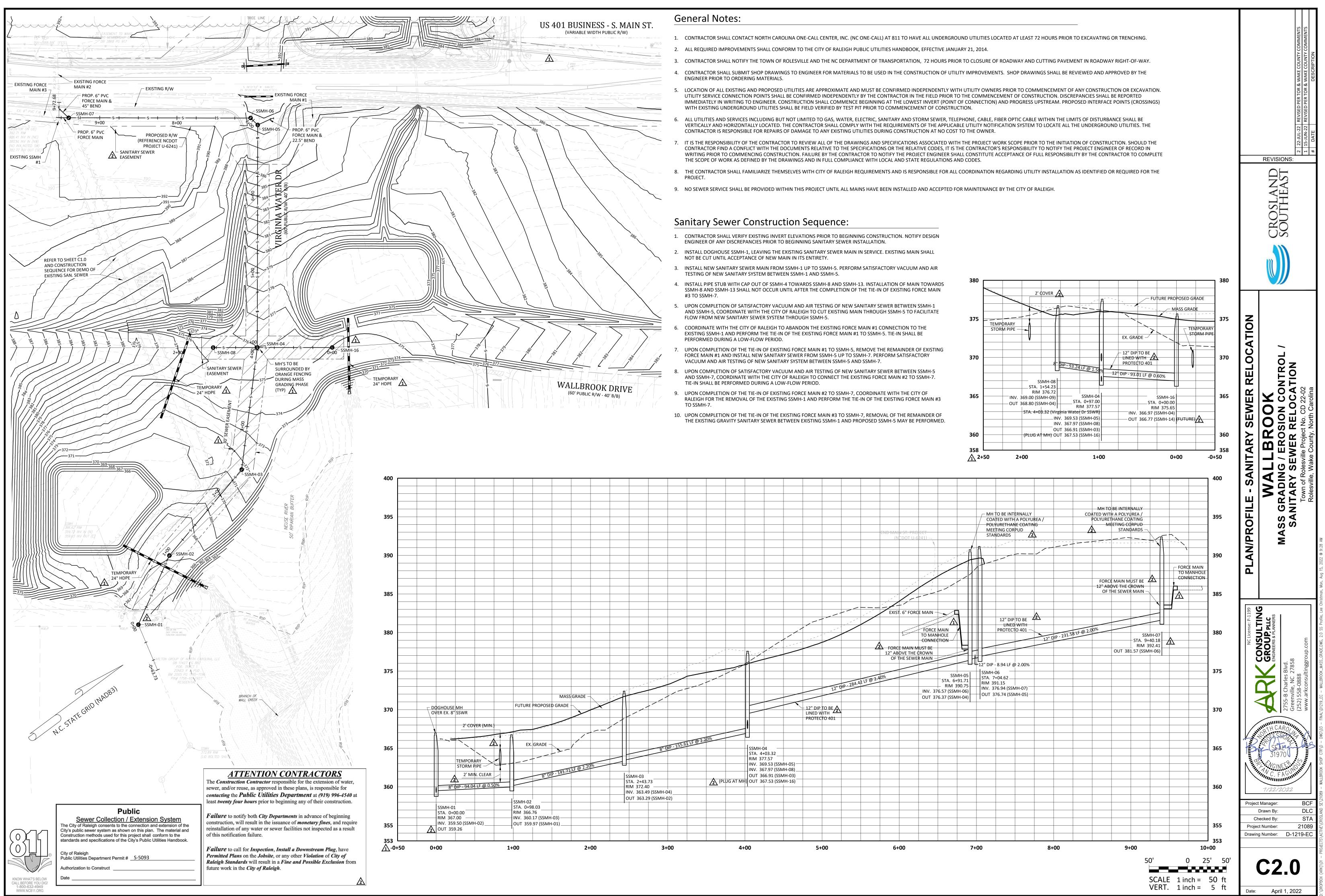
SKIMMER DISCHARGE SYSTEM <u>WITH OUTLET STRUCTURE FOR SSB-3</u> \triangle NOT TO SCALE

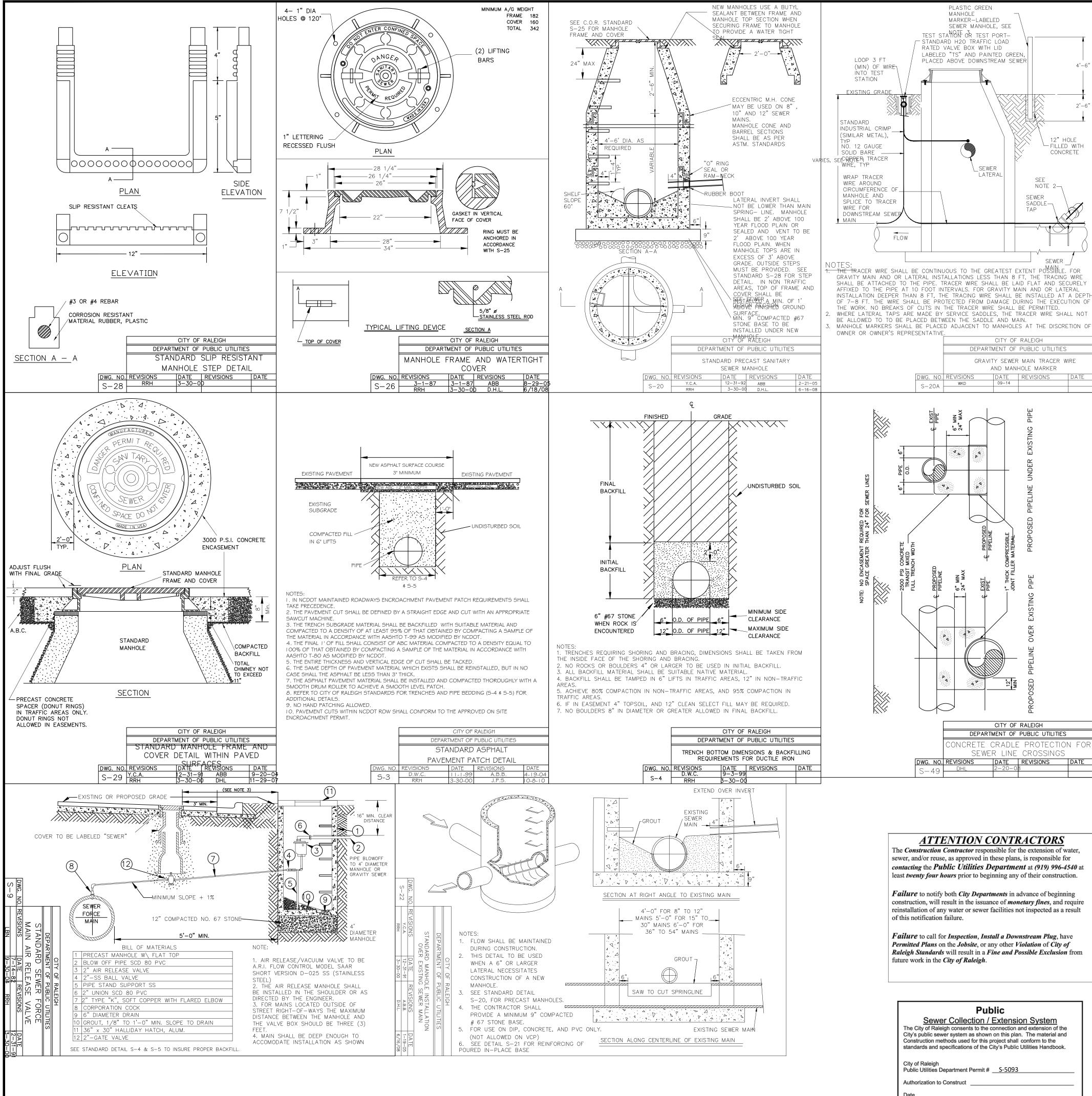
Device ID	Device Type	Add'l Flow (cfs)**	Disturbed Area (AC)	Tc (min)	Intensity (in/hr)*	с	Qreq (cfs)	Up Invert	Down Invert	Length (ft)	Base Width (ft)	Left Slope (x:1)	Right Slope (x:1)		Manning's n	Slope (ft/ft)
TDD-1	Temporary Diversion	0	2.32	5	7.18	0.5	8.33	385	383	225	1	3	3	2.16	0.020	0.0088
TDD-2	Temporary Diversion	0	3.75	5	7.18	0.5	13.46	389	372	480	1	3	3	1.59	0.020	0.0354
TDD-3	Temporary Diversion	0	0.84	5	7.18	0.5	3.02	390	387	330	1	3	3	1.52	0.020	0.0090
TDD-3A	Temporary Diversion	0	0.70	5	7.18	0.5	2.51	388	387	152	1	3	3	1.59	0.020	0.0065
TDD-4	Temporary Diversion	0	0.85	5	7.18	0.5	3.05	390	386	260	1	3	3	1.27	0.020	0.0153
TDD-5	Temporary Diversion	0	4.50	5	7.18	0.5	16.16	392	383	1150	1	3	3	2.84	0.020	0.0078
TDD-6	Temporary Diversion	0	0.60	5	7.18	0.5	2.15	395	383	160	1	3	3	0.64	0.020	0.0750
TDD-7	Temporary Diversion	0	5.17	5	7.18	0.5	18.56	389	375.5	790	1	3	3	2.28	0.020	0.0170
Ex. Ditch	Temporary Diversion	22.5	0.95	5	7.18	0.5	25.91	379	375.5	180	2	3	3	2.34	0.020	0.0194
700.0			0.75	-	7.40		0.50	207	070	200		_	_	0.70	0.000	0.0505
TDD-8	Temporary Diversion	0.0	0.75	5	7.18	0.5	2.69	387	372	280	1	3	3	0.79	0.020	0.0535
TDD-8A	Temporary Diversion	16.2	0.48	5	7.18	0.5	17.88	371.5	368	72	1	3	3	1.57	0.020	0.0486
TDD-9	Temporary Diversion	0.0	1.80	5	7.18	0.5	6.46	383.5	377.5	510	1	3	3	1.80	0.020	0.0117
TDD-10	Temporary Diversion	0.0	0.75	5	7.18	0.5	2.69	399	393	320	1	3	3	1.14	0.020	0.0187
TDD-11	Temporary Diversion	0.0	1.05	5	7.18	0.5	3.77	399	393	475	1	3	3	1.46	0.020	0.0126
TDD-12	Temporary Diversion	0.0	0.60	5	7.18	0.5	2.15	398	389	200	1	3	3	0.77	0.020	0.0450
TDD-13	Temporary Diversion	0.0	1.50	5	7.18	0.5		394	389	300	1	3	3	1.50	0.020	0.0166
TDD-14	Temporary Diversion	0.0	0.65	5	7.18	0.5	2.33	393	392	70	1	3	3	1.19	0.020	0.0142
100 11	remporary pricipion	0.0	0.05		1.10	0.0	2.00	000	UJE	10	-	0	-		0.010	0.0172
TDD-15	Temporary Diversion	0.0	1.40	5	7.18	0.5	5.03	409	394	505	1	3	3	1.20	0.020	0.0297
TDD-16	Temporary Diversion	0.0	2.00	5	7.18	0.5	7.18	408	394	600	1	3	3	1.48	0.020	0.0233



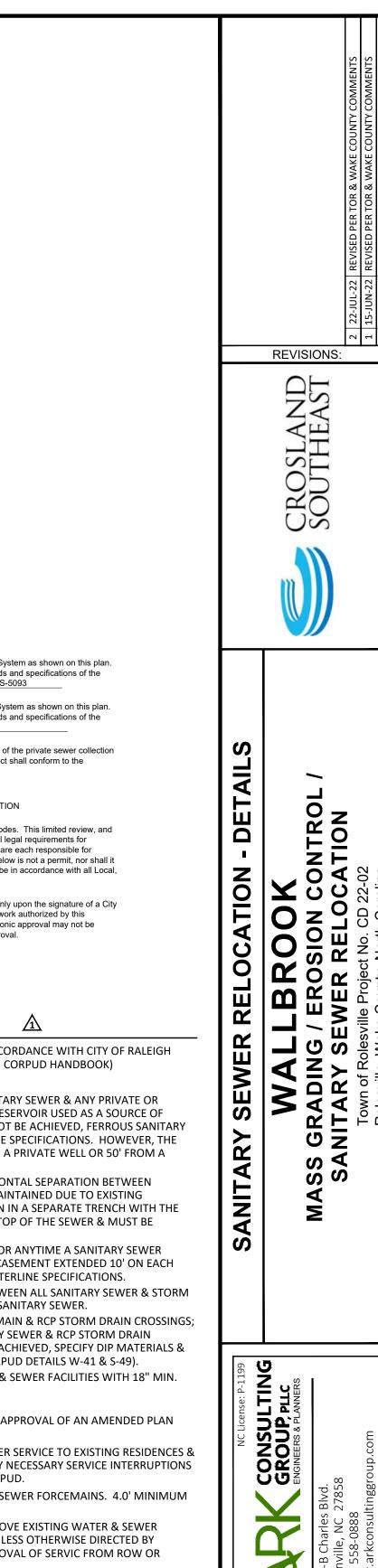








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▲ SITE PERMITTING APPROVAL

Water and Sewer Permits (if applicable) The City of Raleigh consents to the connection and extension of the City's Public Sewer System as shown on this plan. The material and Construction methods used for this project shall conform to the standards and specifications of the

City's Public Utilities Handbook. City of Raleigh Public Utilities Department Permit #____S-5093 The City of Raleigh consents to the connection and extension of the City's Public Water System as shown on this plan. The material and Construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook. City of Raleigh Public Utilities Department Permit #_____

The City of Raleigh consents to the connection to its public sewer system and extensions of the private sewer collection system as shown on this plan. The material and construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook.

City of Raleigh Public Utilities Department Permit #_____

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION

Plans for the proposed use have been reviewed for general compliance with applicable codes. This limited review, and authorization for construction is not to be considered to represent total compliance with all legal requirements for development and construction. The property owner, design consultants, and contractors are each responsible for compliance with all applicable City, State and Federal laws. This specific authorization below is not a permit, nor shall it be construed to permit any violation of City, State or Federal Law. All Construction must be in accordance with all Local, State, and Federal Rules and Regulations.

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

City of Raleigh Development Approval ______ City of Raleigh Review Officer

CORPUD Standard Utility Notes:

 ALL MATERIALS & CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH CITY OF RALEIGH DESIGN STANDARDS, DETAILS & SPECIFICATIONS (REFERENCE: CORPUD HANDBOOK)
 UTILITY SEPARATION REQUIREMENTS:

- a) A DISTANCE OF 100' SHALL BE MAINTAINED BETWEEN SANITARY SEWER & ANY PRIVATE OR PUBLIC WATER SUPPLY SOURCE SUCH AS AN IMPOUNDED RESERVOIR USED AS A SOURCE OF DRINKING WATER. IF ADEQUATE LATER SEPARATION CANNOT BE ACHIEVED, FERROUS SANITARY SEWER PIPE SHALL BE SPECIFIED & INSTALLED TO WATERLINE SPECIFICATIONS. HOWEVER, THE MINIMUM SEPARATION SHALL NOT BE LESS THAN 25' FROM A PRIVATE WELL OR 50' FROM A PUBLIC WELL.
- b) WHEN INSTALLING WATER &/OR SEWER MAINS, THE HORIZONTAL SEPARATION BETWEEN UTILITIES SHALL BE 10'. IF THIS SEPARATION CONNOT BE MAINTAINED DUE TO EXISTING CONDITIONS, THE VARIATION ALLOWED IS THE WATER MAIN IN A SEPARATE TRENCH WITH THE ELEVATION OF THE WATER MAIN AT LEAST 18" ABOVE THE TOP OF THE SEWER & MUST BE APPROVED BY THE PUBLIC UTILITIES DIRECTOR.
- c) WHERE IT IS IMPOSSIBLE TO OBTAIN PROPER SEPARATION, OR ANYTIME A SANITARY SEWER PASSES OVER A WATER MAIN, DIP MATERIALS OR STEEL ENCASEMENT EXTENDED 10' ON EACH SIDE OF CROSSING MUST BE SPECIFIED & INSTALLED TO WATERLINE SPECIFICATIONS.
- d) 5.0' MINIMUM HORIZONTAL SEPARATION IS REQUIRED BETWEEN ALL SANITARY SEWER & STORM SEWER FACILITIES, UNLESS DIP MATERIAL IS SPECIFIED FOR SANITARY SEWER.
- e) MAINTAIN 18" MIN. VERTICAL SEPARATION AT ALL WATER MAIN & RCP STORM DRAIN CROSSINGS; MAINTAIN 24" MIN. VERTICAL SEPARATION AT ALL SANITARY SEWER & RCP STORM DRAIN CROSSINGS. WHERE ADEQUATE SEPARATIONS CANNOT BE ACHIEVED, SPECIFY DIP MATERIALS & A CONCRETE CRADLE HAVING 6" MIN. CLEARANCE (PER CORPUD DETAILS W-41 & S-49).
- f) ALL OTHER UNDERGROUND UTILITIES SHALL CROSS WATER & SEWER FACILITIES WITH 18" MIN. VERTICAL SEPARATION REQUIRED.
- 3. ANY NECESSARY FIELD REVISIONS ARE SUBJECT TO REVIEW & APPROVAL OF AN AMENDED PLAN &/OR PROFILE BY CORPUD PRIOR TO CONSTRUCTION.
- 4. CONTRACTOR SHALL MAINTAIN CONTINUOUS WATER & SEWER SERVICE TO EXISTING RESIDENCES & BUSINESSES THROUGHOUT CONSTRUCTION OF PROJECT. ANY NECESSARY SERVICE INTERRUPTIONS SHALL BE PRECEDED BY A 24 HOUR ADVANCE NOTICE TO CORPUD.
- 5. 3.0' MINIMUM COVER IS REQUIRED ON ALL WATER MAINS & SEWER FORCEMAINS. 4.0' MINIMUM COVER IS REQUIRED ON ALL REUSE MAINS.
- 6. IT IS THE DEVELOPERS RESPONSIBILITY TO ABANDON OR REMOVE EXISTING WATER & SEWER SERVICES NOT BEING USED IN REDEVELOPMENT OF A SITE UNLESS OTHERWISE DIRECTED BY CORPUD. THIS INCLUDES ABANDONING TAP AT MAIN & REMOVAL OF SERVIC FROM ROW OR EASEMENT PER CORPUD HANDBOOK PROCEDURE.
- INSTALL PVC WATER SERVICES WITH METERS LOCATED AT ROW OR WITHIN A 2' X 2' WATERLINE EASEMENT IMMEDIATELY ADJACENT.
 INSTALL PVC SEWER SERVICES @ 1.0% MINIMUM GRADE WITH CLEANOUTS LOCATED AT ROW OR
- EASEMENT LINE & SPACED EVERY 75 LINEAR FEET MAXIMUM.
 PRESSURE REDUCING VALVES ARE REQUIRED ON ALL WATER SERVICES EXCEEDING 80 PSI; BACKWATER VALVES ARE REQUIRED ON ALL SANITARY SEWER SERVICES HAVING BUILDING DRAINS
- LOWER THAN 1.0' ABOVE THE NEXT UPSTREAM MANHOLE.
 10. ALL ENVIRONMENTAL PERMITS APPLICABLE TO THE PROJECT MUST BE OBTAINED FROM NCDWQ, USACE &/OR FEMA FOR ANY RIPARIAN BUFFER, WETLAND &/OR FLOODPLAIN IMPACTS PRIOR TO
- CONSTRUCTION. 11. NCDOT / RAILROAD ENCROACHMENT AGREEMENTS ARE REQUIRED FOR ANY UTILITY WORK (INCLUDING MAIN EXTENSIONS & SERVICE TAPS) WITHIN STATE OR RAILROAD ROW PRIOR TO
- CONSTRUCTION.
 12. GREASE INTERCEPTOR / OIL WATER SEPARATOR SIZING CALCULATIONS & INSTALLATION SPECIFICATIONS SHALL BE APPROVED BY THE CORPUD FOG PROGRAM COORDINATOR PRIOR TO ISSUANCE OF A BUILDING PERMIT. CONTACT TIM BEASLEY AT (919) 996-2334 OR
- TIMOTHY.BEASLEY@RALEIGHNC.GOV FOR MORE INFORMATION.
 13. CROSS-CONNECTION CONTROL PROTECTION DEVICES ARE REQUIRED BASED ON DEGREE OF HEALTH HAZARD INVOLVED AS LISTED IN APPENDIX-B OF THE RULES GOVERNING PUBLIC WATER SYSTEMS IN NC. THESE GUIDELINES ARE THE MINIMUM REQUIREMENTS. THE DEVICES SHALL MEET AMERICAN SOCIETY SANITARY ENGINEERING (ASSE) STANDARDS OR BE ON THE UNIVERSITY OF SOUTHERN CALIFORNIA APPROVAL LIST. THE DEVICES SHALL BE INSTALLED AND TESTED (BOTH INITIAL AND PERIODIC TESTING THEREAFTER) IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS OR THE LOCAL CROSS-CONNECTION CONTROL PROGRAM, WHICHEVER IS MORE STRINGENT. CONTACT JOANIE HARTLEY AT (919) 996-5923 OR JOANIE.HARTLEY@RALEIGHNC.GOV FOR MORE INFORMATION.

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Project Manager:

Drawn Bv

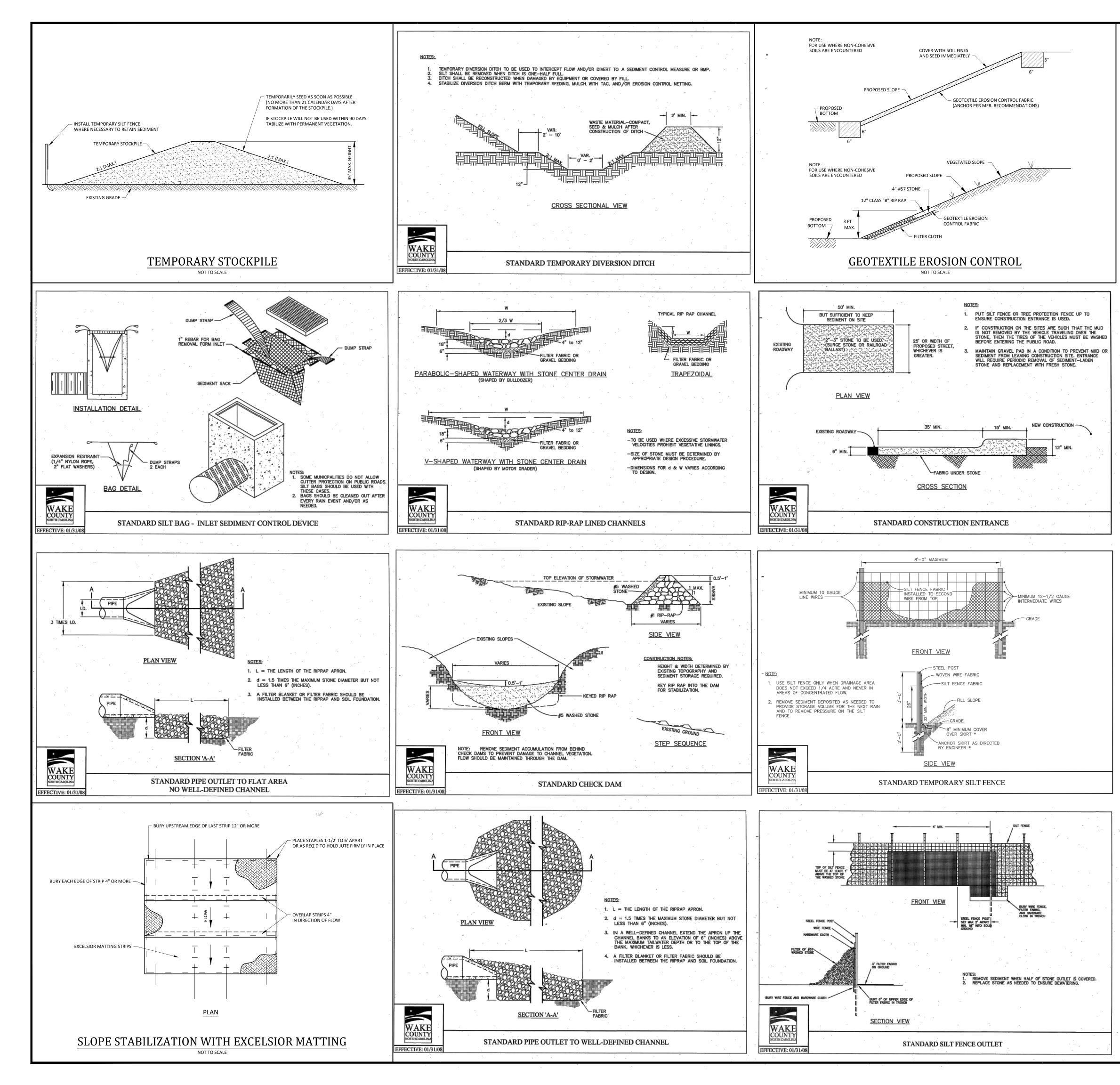
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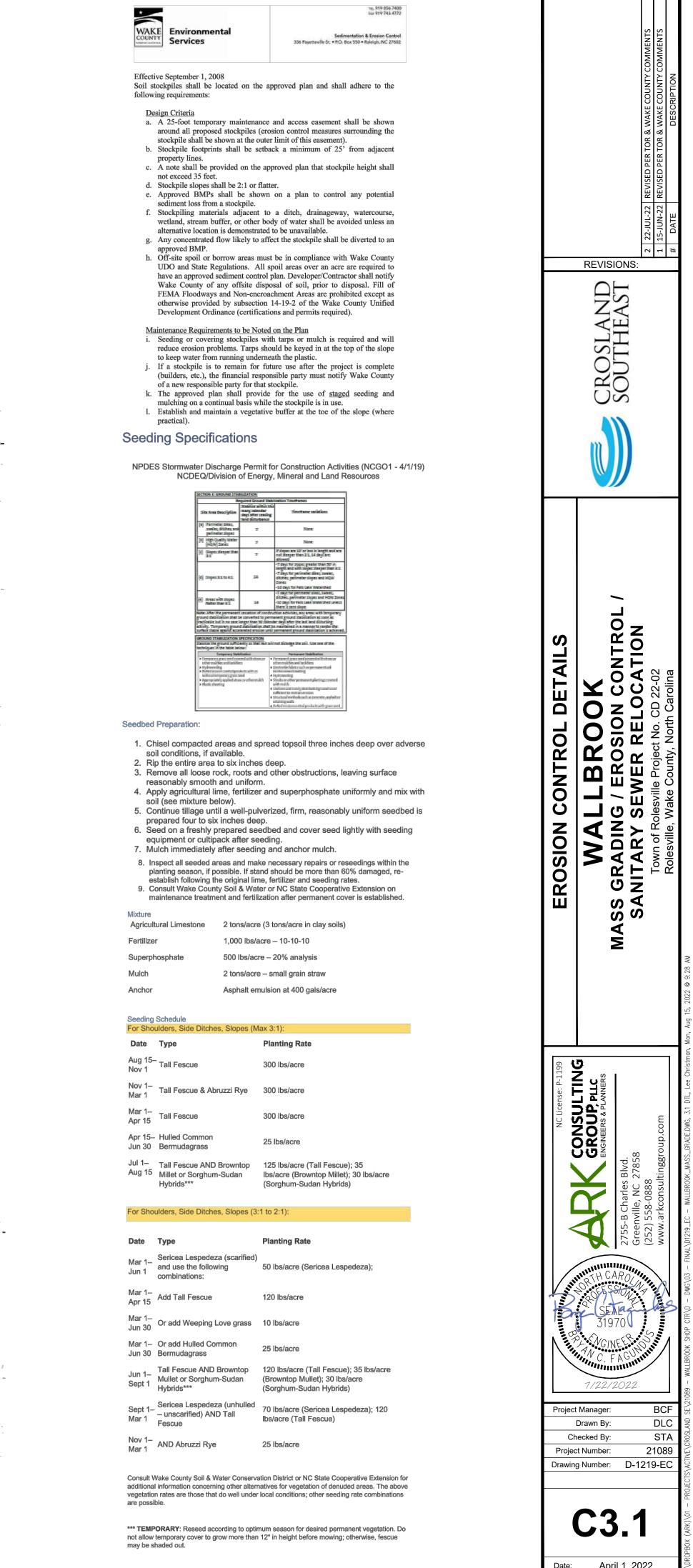
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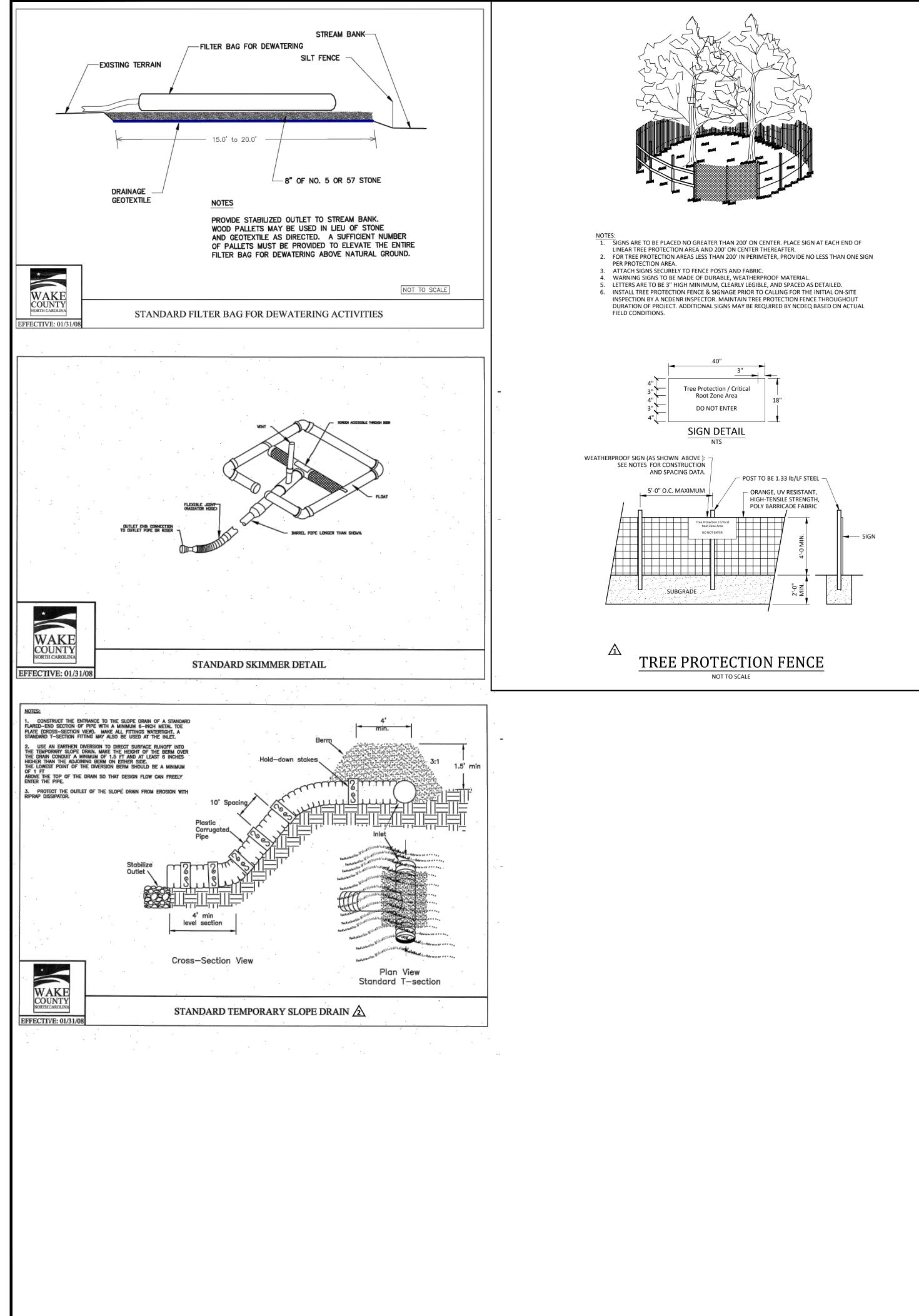
April 1, 2022

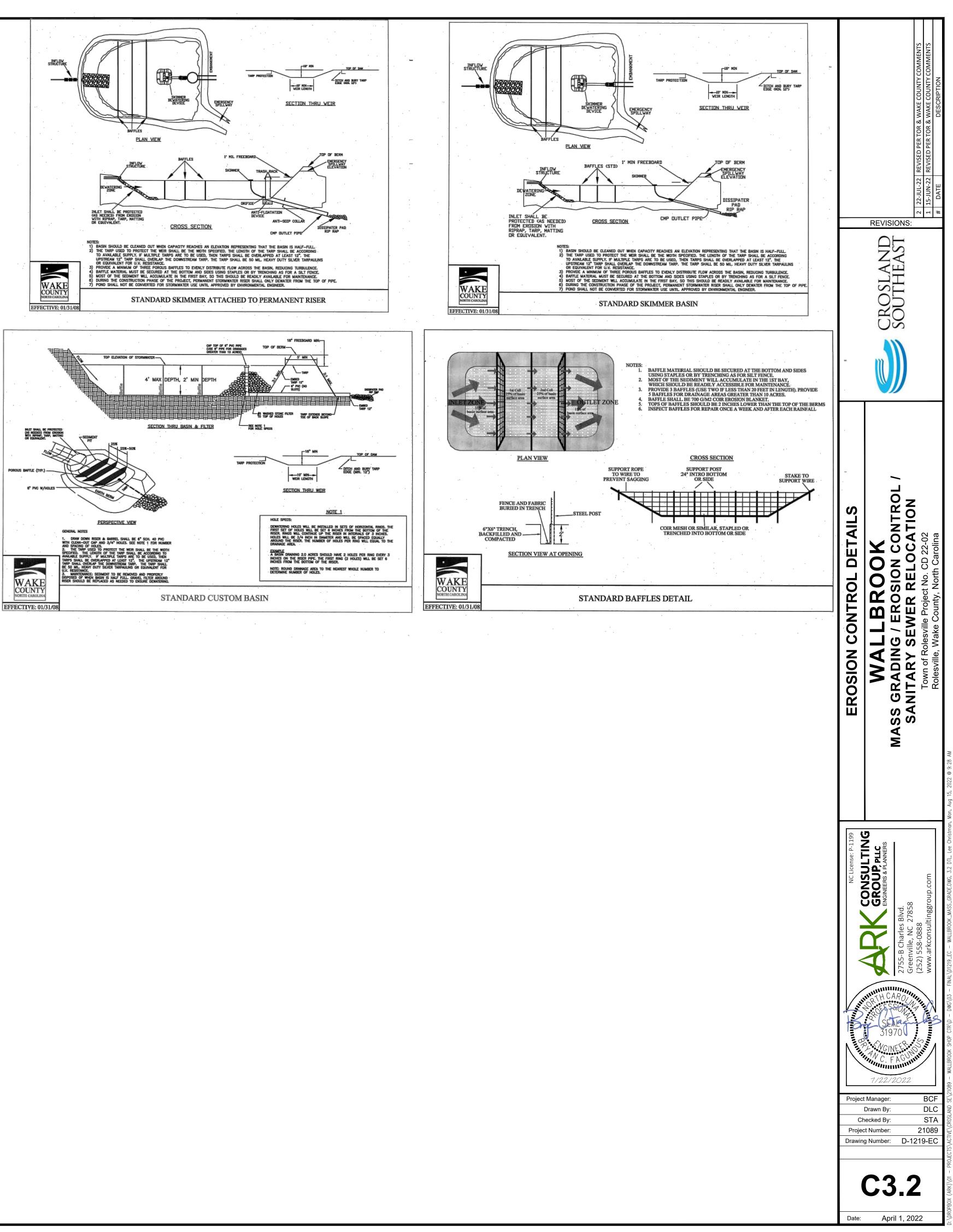
Project Number





April 1, 2022





GENERAL NOTES:

- 1. THIS ALTA/NSPS LAND TITLE SURVEY WAS PREPARED FOR THE BENEFIT OF WALLBROOK LANDCO, LLC, ITS SUCCESSORS AND/OR ASSIGNS AS THEIR INTERESTS MAY APPEAR, AND INVESTORS TITLE INSURANCE COMPANY.
- 2. THE PROPERTY AS SHOWN HEREON IS BASED ON A FIELD-RUN BOUNDARY SURVEY WITH A RAW CLOSURE OF 1:34,600.
- 3. THE IMPROVEMENTS SHOWN HEREON ARE BASED ON A FIELD-RUN PLANIMETRIC SURVEY PERFORMED BY JOHNSON, MIRMIRAN & THOMPSON FROM DECEMBER 2019 THROUGH MARCH 2020 AND REFLECTS SITE CONDITIONS AS OF THAT DATE.
- 4. ELEVATIONS ARE BASED ON NAVD88 DATUM.
- 5. THE SURVEY IS REFERENCED TO THE NORTH CAROLINA STATE PLANE COORDINATE SYSTEM (NCSPCS), NORTH AMERICAN DATUM, 1983, 2001 ADJUSTMENT, NAD83(2001).
- 6. THE USE OF THE WORD CERTIFY OR CERTIFICATION CONSTITUTES AN EXPRESSION OF PROFESSIONAL OPINION REGARDING THOSE FACTS OR FINDINGS WHICH ARE THE SUBJECT OF THE UNDERSIGNED PROFESSIONAL'S KNOWLEDGE, INFORMATION AND BELIEF, AND IN ACCORDANCE WITH THE COMMONLY ACCEPTED PROCEDURE CONSISTENT WITH THE APPLICABLE STANDARDS OF PRACTICE AND DOES NOT CONSTITUTE A WARRANTY OR GUARANTEE EITHER EXPRESSED OR IMPLIED.
- 7. THE SUBJECT PROPERTY IS LOCATED IN FLOOD ZONE X, AREA OF MINIMAL FLOODING, AS SHOWN ON NATIONAL FLOOD INSURANCE RATE MAP (FIRM), WAKE COUNTY, NORTH CAROLINA, PANEL 1758, MAP NO. 3720175800J, EFFECTIVE DATE: MAY 2, 2006.
- 8. AT THE TIME OF THE SURVEY, THERE WERE NO PARKING SPACES.
- 9. AT THE TIME OF THE SURVEY. THERE WAS NO OBSERVABLE EVIDENCE OF THE SITE BEING USED AS A SOLID WASTE DUMP, SUMP OR LANDFILL.
- 10. AT THE TIME OF THE SURVEY, THERE WAS NO OBSERVABLE EVIDENCE OF A CEMETERY.
- 11. AT THE TIME OF THE SURVEY, THERE WAS NO OBSERVABLE EVIDENCE OF BUILDING CONSTRUCTION OR BUILDING ADDITIONS.

AREA TABULATION

MATCH LINE

PIN#	NET (AC.)	GROSS (AC.)
1758-48-9229	0.828	0.828
1758-58-2090	10.742	11.168
1758-56-8976	42.324	44.100
1758-45-8905	15.024	15.024
TOTALS:	68.918	71.120
	1758-48-9229 1758-58-2090 1758-56-8976 1758-45-8905	1758-48-92290.8281758-58-209010.7421758-56-897642.3241758-45-890515.024

RECORD LEGAL DESCRIPTIONS FOR TAX PARCELS 1758-48-9229 & 1758-58-2090:

PER INVESTORS TITLE INSURANCE COMPANY. TITLE COMMITMENT NO. 201800776CA2, WITH AN EFFECTIVE DATE OF SEPTEMBER 14, 2018 AT 5:00 P.M.

IN THE STATE OF NC, COUNTY OF WAKE,

PARCEL ONE (REID #: 0224145) (PIN #1758-58-2090) (PARCEL 'B'): BEING LOT 2-3, CONTAINING 10.723 NET ACRES, AS THE SAME IS SHOWN ON THAT PLAT RECORDED IN BOOK OF MAPS 1996, PAGE 1582. WAKE COUNTY REGISTRY.

PARCEL TWO (REID #: 0092211) (PIN #1758-48-9229) (PARCEL 'A'): BEING THAT PARCEL DESCRIBED AS FOLLOWS:

BEGINNING AT A STAKE IN THE EDGE OF THE ROLESVILLE-WALKERS CROSSROAD ROAD, CORNER OF O. V. WIGGINS; THENCE IN A SOUTHWESTERN DIRECTION ABOUT 300 FEET TO A STAKE AND W. H. MARSHALL'S LINE: THENCE IN A NORTHWESTERN DIRECTION 246 FEET WITH MARSHALL'S LINE TO THE EDGE OF THE ROAD; THENCE IN AN EASTERN DIRECTION WITH SAID ROAD ABOUT 410 FEET TO THE POINT OF BEGINNING, CONTAINING & OF AN ACRE BY ESTIMATION. BEING A PART OF THE LAND FORMERLY OWNED BY JAMES WALL.

RECORD LEGAL DESCRIPTIONS FOR TAX PARCELS 1758-56-8976 & 1758-45-8905:

PER INVESTORS TITLE INSURANCE COMPANY, TITLE COMMITMENT NO. 201800751CA2, WITH AN EFFECTIVE DATE OF SEPTEMBER 10, 2018 AT 5:00 P.M.

IN THE STATE OF NC, COUNTY OF WAKE,

TRACT 1 (PIN #1758-56-8976) (PARCEL 'C'):

BEING ALL OF TRACT 2A (2.894 ACRES) AND TRACT 3 (41.221 ACRES) AS SHOWN ON PLAT ENTITLED "RECOMBINATION SURVEY FOR TOMMY TWITTY" DATED NOVEMBER 17, 1995, PREPARED BY W. GRAHAM HAWTHORNE, JR., RLS AND RECORDED IN BOOK OF MAPS 1995, PAGE 2034. WAKE COUNTY REGISTRY.

LESS AND EXCEPT FROM TRACT 1 THAT 0.175 ACRE PORTION AS CONVEYED TO THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION IN DEED RECORDED IN BOOK 14395, PAGE 2080, WAKE COUNTY REGISTRY.

TRACT 2 (PIN #1758-45-8905) (PARCEL 'D'):

BEING ALL OF TRACT 2 (15.057 ACRE) AS SHOWN ON PLAT ENTITLED "RECOMBINATION MAP OF BOBBY L. MURRAY TRUST. TRACTS 1 & 2" DATED NOVEMBER 7, 2002, PREPARED BY MICHAEL D. GOODFRED, RLS. AND RECORDED IN BOOK OF MAPS 2005, PAGES 1195 AND 1196. WAKE COUNTY REGISTRY.

LESS AND EXCEPT FROM TRACT 2 THAT 0.03 ACRE PORTION AS CONVEYED TO CARLTON GROUP OF NORTH CAROLINA, LLC IN DEED RECORDED IN BOOK 13993, PAGE 2591, WAKE COUNTY REGISTRY.

SCHEDULE B. PART II EXCEPTIONS:

PER INVESTORS TITLE INSURANCE COMPANY, TITLE COMMITMENT NO. 201800776CA2, WITH AN EFFECTIVE DATE OF SEPTEMBER 14, 2018 AT 5:00 P.M.

- 1. (ITEM 3) MATTERS SHOWN ON RECORDED BOOK OF MAPS 1996 AT PAGE 1582 SHOWS THE FOLLOWING LOCATED ON THE LAND:
 - (a) OVERHEAD LINES [PLOTTED HEREON] (b) POWER POLE [PLOTTED HEREON] (c) RIGHT OF WAY FOR U.S. HWY 401 LOUISBURG ROAD
- [PLOTTED HEREON] 2. (ITEM 4) EASEMENT(S) AND/OR RIGHT(S) OF WAY RECORDED IN

SCHEDULE B. PART II EXCEPTIONS:

PER INVESTORS TITLE INSURANCE COMPANY, TITLE COMMITMENT NO. 201800751CA2, WITH AN EFFECTIVE DATE OF SEPTEMBER 10, 2018 AT 5:00 P.M.

- 3. (ITEM 2) TITLE TO THAT PORTION OF THE LAND WITHIN THE RIGHT-OF-WAY OF U.S. HIGHWAY 401 (LOUISBURG ROAD). [PLOTTED HEREON
- 4. (ITEM 3) RIGHTS OF OTHERS THERETO ENTITLED IN AND TO THE CONTINUED UNINTERRUPTED FLOW OF THE CREEK, LOCATED ON THE LAND. [CREEK LOCATION PLOTTED HEREON]
- 5. (ITEM 4) ELECTRIC LINE RIGHT-OF-WAY EASEMENT TO WAKE ELECTRIC MEMBERSHIP CORPORATION RECORDED IN BOOK 3868 AT PAGE 917. [PLOTTED HEREON]
- AS TO TRACT 1 ONLY (PIN #1758-56-8976):
- MAPS 1995 AT PAGE 2034 SHOWS THE FOLLOWING LOCATED ON THE LAND: (a) OVERHEAD LINE [PLOTTED HEREON]
- (b) POWER POLE [PLOTTED HEREON] 7. (ITEM 9) EASEMENT(S) TO WAKE ELECTRIC MEMBERSHIP
- CORPORATION RECORDED IN BOOK 863 AT PAGES 211 AND 212. [BLANKET EASEMENT - EXISTING ELECTRIC LINES PLOTTED HEREON]
- 8. (ITEM 10) RURAL LINE PERMIT TO CAROLINA TELEPHONE AND TELEGRAPH COMPANY RECORDED IN BOOK 1338 AT PAGES 143 AND 145. [LOCATIONS CANNOT BE DETERMINED FROM THE RECORD DOCUMENT, EXISTING POLES AND GUY WIRES PLOTTED HEREON]
- 9. (ITEM 11) SLOPE EASEMENT RECORDED IN BOOK 14395 AT PAGE 2087 AS SHOWN ON PLAT RECORDED IN BOOK OF MAPS 2011 AT PAGE 383. [PLOTTED HEREON]
- AS TO TRACT 2 ONLY (PIN #1758-45-8905): 10. SUBJECT TO MATTERS SHOWN ON RECORDED BOOK OF MAPS 2005 AT PAGES 1195 AND 1196 SHOWS THE FOLLOWING LOCATED ON THE LAND:
- (a) UNDERGROUND SEWER MAIN MARKER [NOT FOUND] (b) POWER BOX [NOT FOUND] (c) RIGHTS OF OTHERS IN AND TO THE USE OF THE SOIL PATH (TO BE ABANDONED) [PATH NO LONGER VISIBLE]
- 11. (ITEM 13) DEED OF EASEMENT WITH GENERAL WARRANTY FOR WATERLINE EASEMENT TEMPORARY CONSTRUCTION EASEMENT RECORDED IN BOOK 16679 AT PAGE 132. [WATERLINE EASEMENT PLOTTED HEREON, TEMPORARY CONSTRUCTION EASEMENT NOT PLOTTED]
- 12. (ITEM 14) SANITARY SEWER EASEMENT RECORDED IN BOOK 10071 AT PAGE 2179 AS SHOWN ON PLAT RECORDED IN BOOK OF MAPS 2003 AT PAGE 647. [PLOTTED HEREON]
- 13. (ITEM 15) RESERVATION OF EASEMENT RECORDED IN BOOK 13993 AT PAGE 2591. [PLOTTED HEREON]
- 14. (ITEM 16) TITLE TO THAT PORTION OF THE LAND WITHIN THE RIGHT-OF-WAY OF S.R. 2226. [RIGHT OF WAY OF S.R. 2226 PLOTTED HEREON - PROPERTY DOES NOT EXTEND INTO RIGHT OF WAY
- 15. (ITEM 17) RIGHT OF WAY AGREEMENT TO STATE HIGHWAY COMMISSION RECORDED IN BOOK 2052 AT PAGE 545. [RIGHT OF WAY OF S.R. 2226 PLOTTED HEREON]
- 16. (ITEM 18) RIGHTS OF OTHERS THERETO ENTITLED IN AND TO THE CONTINUED UNINTERRUPTED FLOW OF BRANCH/CREEK, LOCATED ON THE LAND. [BRANCH/CREEK LOCATION PLOTTED HEREON]

CUR	KENI ZU	INING	SEIBA	ACK R	EQUIREMEN	15:
TAX	PARCEL	1758	3-48-	9229:	R-1	(SIN
TAX	PARCEL	1759	9-58-	2090:	R-1-SUD	(SIN
TAX	PARCEL	1758	8-56-	8976:	CO-SUD	(CO)
TAX	PARCEL	1758	3-45-	8905:	CO-SUD	
	FROM	П	SIDE	С	ORNER	REA

R-1	30'	12'	22'		25
со	20'	15'	25'		35
NOTE	701110	INFORMATION	DACED	-	

NOTE: ZONING INFORMATION BASED ON INFORMATION AS SUPPLIED BY CURRENT COUNTY ZONING DEPARTMENT, NO ZONING REPORT OR LETTER WAS PROVIDED TO SURVEYOR AT TIME OF SURVEY.

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NEW LEGAL DESCRIPTIONS

PARCEL 'A' (PIN #1758-48-9229)

BOOK 3868 AT PAGE 917 (PARCEL ONE). [PLOTTED HEREON]

6. (ITEM 8) SUBJECT TO MATTERS SHOWN ON RECORDED BOOK OF

ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE TOWN OF ROLESVILLE, COUNTY OF WAKE, STATE OF NORTH CAROLINA, DESCRIBED AS FOLLOWS:

BEGINNING AT A FOUND IRON PIPE MARKING THE NORTHWEST CORNER OF LOT 2-3 AS SAID LOT IS SHOWN AND SO DESIGNATED ON THAT CERTAIN PLAT ENTITLED "RECOMBINATION SURVEY FOR TOMMY TWITTY, TRACTS 2-2 & 2-3, TWITTY PROP.", BY W. GRAHAM CAWTHORNE, JR., RLS, DATED NOVEMBER 17, 1995, REVISED JANUARY 12, 1996 AND RECORDED IN BOOK OF MAPS 1996, PAGE 1582, WAKE COUNTY RECORDS, SAID PIPE ALSO BEING ON THE EAST LINE OF TRACT #3 AS SAID TRACT IS SHOWN AND SO DESIGNATED ON THAT CERTAIN PLAT ENTITLED "W. H. MARSHALL ESTATE", BY C. W. RUSSUM, RLS, DATED JULY, 1961 AND RECORDED IN BOOK OF MAPS 1961, PAGE 97, WAKE COUNTY RECORDS; THENCE ALONG SAID EAST LINE OF TRACT 3 NO1*11'04"W 240.24' TO AN IRON PIPE ON THE SOUTHWEST RIGHT OF WAY LINE OF BURLINGTON MILLS ROAD (S.R. 2051); THENCE ALONG SAID SOUTHWEST RIGHT OF WAY LINE THE FOLLOWING FOUR COURSES: (1) S47°12'51"E 130.81'; (2) ALONG THE ARC OF A TANGENT CURVE TO THE LEFT, CONCAVE TO THE NORTHEAST, HAVING A RADIUS OF 600.00', THROUGH A CENTRAL ANGLE OF 26'22'04", AN ARC LENGTH OF 276.12' AND BEING SUBTENDED BY A CHORD BEARING S60.23'53"E 273.69'; (3) S75'02'10"E 50.12'; AND (4) S77'31'31"E 22.85' TO THE NORTH LINE OF AFORESAID LOT 2-3; THENCE ALONG SAID NORTH LINE OF LOT 2-3 N89'45'02"W 399.74' TO THE POINT OF BEGINNING.

CONTAINING 0.828 ACRES, MORE OR LESS.

PARCEL 'B' (PIN #1758-58-2090)

ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE TOWN OF ROLESVILLE, COUNTY OF WAKE, STATE OF NORTH CAROLINA, DESCRIBED AS FOLLOWS:

BEGINNING AT A FOUND IRON PIPE MARKING THE SOUTHWEST CORNER OF PARCEL 2 AS SAID PARCEL IS DESCRIBED IN DEED BOOK 15498, PAGE 1302, WAKE COUNTY RECORDS; THENCE ALONG THE SOUTH LINE OF SAID PARCEL 2 S89'45'02"E 399.74' TO THE SOUTHWEST RIGHT OF WAY LINE OF BURLINGTON MILLS ROAD (S.R. 2051); THENCE CONTINUING S89'45'02"E 200.72' TO THE NORTHWEST CORNER OF LOT 2-4 AS SAID LOT IS SHOWN AND SO DESIGNATED ON THAT CERTAIN PLAT ENTITLED "RECOMBINATION SURVEY FOR TOMMY TWITTY, TRACTS 2-2 & 2-3, TWITTY PROP.", BY W. GRAHAM CAWTHORNE, JR., RLS, DATED NOVEMBER 17, 1995, REVISED JANUARY 12, 1996 AND RECORDED IN BOOK OF MAPS 1996, PAGE 1582, WAKE COUNTY RECORDS; THENCE ALONG THE SOUTHWEST LINE OF SAID LOT 2-4 S37'53'38"E 39.01' TO A FOUND BENT IRON PIPE AT AN ANGLE POINT IN THE SOUTH RIGHT OF WAY LINE OF BURLINGTON MILLS ROAD; THENCE CONTINUING \$37'53'38"E 454.70' TO A FOUND IRON PIPE AT AN ANGLE POINT IN THE NORTHWEST RIGHT OF WAY LINE OF LOUISBURG ROAD (U.S. 401); THENCE CONTINUING S37'53'38"E 45.31' TO THE CENTERLINE OF LOUISBURG ROAD: THENCE ALONG THE CENTERLINE OF SAID ROAD, ALONG THE ARC OF A CURVE TO THE LEFT, CONCAVE TO THE SOUTHEAST, HAVING A RADIUS OF 3,750.00' THROUGH A CENTRAL ANGLE OF 08'13'06", AN ARC LENGTH OF 537.89' AND BEING SUBTENDED BY A CHORD BEARING S41'12'09"W 537.43': THENCE LEAVING SAID CENTERLINE, ALONG THE NORTHEAST LINE OF LOTS 1 AND 2 AS SAID LOTS ARE SHOWN AND SO DESIGNATED ON THAT CERTAIN PLAT ENTITLED "SURVEY FOR GRAND PARK PROPERTIES. LOTS 1 AND 2", BY CAWTHORNE, MOSS & PANCIERA, P.C., DATED OCTOBER 7, 1998 AND RECORDED IN BOOK OF MAPS 1999, PAGE 1039, WAKE COUNTY RECORDS, N49'16'09"W 479.09' TO A FOUND IRON PIPE MARKING AN ANGLE POINT IN SAID LOT 2; THENCE CONTINUING ALONG THE NORTHEAST LINE OF SAID LOT 2 N66"40'58"W 215.40' TO A FOUND IRON PIPE AT THE NORTHWEST CORNER THEREOF. SAID PIPE ALSO BEING ON THE EAST LINE OF TRACT #3 AS SAID TRACT IS SHOWN AND SO DESIGNATED ON THAT CERTAIN PLAT ENTITLED "W. H. MARSHALL ESTATE", BY C. W. RUSSUM, RLS. DATED JULY, 1961 AND RECORDED IN BOOK OF MAPS 1961. PAGE 97. WAKE COUNTY RECORDS: THENCE ALONG SAID EAST LINE OF TRACT 3 NO1'36'18"W 428.68' TO THE POINT OF BEGINNING.

THIS PARCEL IS THE SAME AS LOT 2-3 AS SHOWN AND SO DESIGNATED ON THAT CERTAIN PLAT ENTITLED "RECOMBINATION SURVEY FOR TOMMY TWITTY. TRACTS 2-2 & 2-3. TWITTY PROP.". BY W. GRAHAM CAWTHORNE, JR., RLS, DATED NOVEMBER 17, 1995, REVISED JANUARY 12, 1996 AND RECORDED IN BOOK OF MAPS 1996, PAGE 1582. WAKE COUNTY RECORDS.

CONTAINING 11.168 ACRES, MORE OR LESS.

NEW LEGAL DESCRIPTIONS

PARCEL 'C' (PIN #1758-56-8976)

ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE TOWN OF ROLESVILLE, COUNTY OF WAKE, STATE OF NORTH CAROLINA, DESCRIBED AS FOLLOWS:

BEGINNING AT A FOUND IRON PIPE MARKING THE NORTHEAST CORNER OF TRACT 2 AS SAID TRACT IS SHOWN AND SO DESIGNATED ON THAT CERTAIN PLAT ENTITLED "RECOMBINATION MAP OF BOBBY L. MURRAY TRUST, TRACTS 1+2", BY KENNETH CLOSE, INC., DATED NOVEMBER 7 2002 AND RECORDED IN BOOK OF MAPS 2005, PAGES 1195 AND 1196, WAKE COUNTY RECORDS; THENCE ALONG THE NORTH LINE OF SAID TRACT 2 N75°27'01"W 704.12' TO A FOUND IRON PIPE ON THE SOUTHEAST RIGHT OF WAY LINE OF LOUISBURG ROAD (U.S. 401); THENCE CONTINUING N75'27'01"W 32.34' TO THE CENTERLINE OF LOUISBURG ROAD; THENCE ALONG THE CENTERLINE OF SAID ROAD N36*33'22"E 1.116.98': THENCE CONTINUING ALONG SAID CENTERLINE. ALONG THE ARC OF A TANGENT CURVE TO THE RIGHT, CONCAVE TO THE SOUTHEAST, HAVING A RADIUS OF 3,750.00', THROUGH A CENTRAL ANGLE OF 18'18'05", AN ARC LENGTH OF 1,197.82' AND BEING SUBTENDED BY A CHORD BEARING N45'42'25"E 1,192.73'; THENCE LEAVING SAID CENTERLINE S89'44'38"E 134.33' TO AN ANGLE POINT IN THE SOUTHWEST LINE OF THAT CERTAIN PARCEL DESCRIBED IN DEED BOOK 6821, PAGE 005, WAKE COUNTY RECORDS; THENCE ALONG THE SOUTHWEST LINE OF SAID PARCEL AND ALONG THE WEST LINE OF WALL CREEK SUBDIVISION, PHASES 2, 4 AND 5-A AS RECORDED IN BOOK OF MAPS 1997, PAGE 1162, BOOK OF MAPS 2001, PAGE 628 AND BOOK OF MAPS 2002, PAGE 825, WAKE COUNTY RECORDS, S03'05'32"W 2,131.93' TO A POINT ON THE NORTH LINE OF CARLTON POINTE SUBDIVISION. PHASE I AS RECORDED IN BOOK OF MAPS 2008. PAGES 5 TO 10, WAKE COUNTY RECORDS; THENCE ALONG SAID NORTH LINE OF CARLTON POINTE SUBDIVISION N75'27'01"W 852.86' TO THE POINT OF BEGINNING.

THIS PARCEL IS THE SAME AS TRACTS 2A AND 3 AS SHOWN AND SO DESIGNATED ON THAT CERTAIN PLAT ENTITLED "RECOMBINATION SURVEY FOR TOMMY TWITTY", BY W. GRAHAM CAWTHORNE, JR., RLS, DATED NOVEMBER 17, 1995 AND RECORDED IN BOOK OF MAPS 1995, PAGE 2034, WAKE COUNTY RECORDS.

CONTAINING 44.100 ACRES, MORE OR LESS.

PARCEL 'D' (PIN #1758-45-8905)

ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE TOWN OF ROLESVILLE, COUNTY OF WAKE, STATE OF NORTH CAROLINA, DESCRIBED AS FOLLOWS:

BEGINNING AT A FOUND IRON PIPE ON THE SOUTH LINE OF TRACT 3 AS SAID TRACT IS SHOWN AND SO DESIGNATED ON THAT CERTAIN PLAT ENTITLED "RECOMBINATION SURVEY FOR TOMMY TWITTY". BY W. GRAHAM CAWTHORNE, JR., RLS. DATED NOVEMBER 17, 1995 AND RECORDED IN BOOK OF MAPS 1995, PAGE 2034, WAKE COUNTY RECORDS, SAID PIPE ALSO BEING AN ANGLE POINT IN THE NORTHWEST LINE OF CARLTON POINTE SUBDIVISION, PHASE I AS RECORDED IN BOOK OF MAPS 2008, PAGES 5 TO 10, WAKE COUNTY RECORDS; THENCE ALONG THE NORTHWEST LINE OF SAID CARLTON POINTE SUBDIVISION S36'44'45"W 877.98' TO AN ANGLE POINT: THENCE CONTINUING ALONG SAID NORTHWEST LINE AND ALONG THE NORTH LINE OF LOTS 1. 2 AND 3 AS SAID LOTS ARE SHOWN AND SO DESIGNATED ON THAT CERTAIN PLAT ENTITLED "SUBDIVISION PLAT FOR BARRETT VENTURES. LLC". BY CAWTHORNE, MOSS & PANCIERA, P.C., DATED APRIL 4, 2007 AND RECORDED IN BOOK OF MAPS 2008, PAGE 702, WAKE COUNTY RECORDS. S87'10'58"W 737.24' TO AN ANGLE POINT IN THE EAST RIGHT OF WAY LINE OF JONESVILLE ROAD (S.R. 2226) AND THE SOUTHEAST CORNER OF THAT CERTAIN PARCEL DESCRIBED IN DEED BOOK 13993, PAGE 2591, WAKE COUNTY RECORDS; THENCE ALONG THE EAST LINE OF SAID PARCEL NO2'07'15"W 48.32': THENCE CONTINUING ALONG SAID EAST LINE, ALONG THE ARC OF A CURVE TO THE LEFT, CONCAVE TO THE WEST, HAVING A RADIUS OF 123.92' THROUGH A CENTRAL ANGLE OF 30°27'05". AN ARC LENGTH OF 65.86' AND BEING SUBTENDED BY A CHORD BEARING N1721'49"W 65.09' TO THE EAST RIGHT OF WAY LINE OF JONESVILLE ROAD; THENCE ALONG SAID EAST RIGHT OF WAY LINE NO3"10'03"W 17.67' TO THE SOUTHEAST RIGHT OF WAY LINE OF LOUISBURG ROAD (U.S. 401); THENCE ALONG SAID SOUTHEAST RIGHT OF WAY LINE THE FOLLOWING EIGHT COURSES: (1) N41°10'16"E 41.30'; (2) N40°37'47"E 49.15'; (3) N39°31'43"E 50.83'; (4) N38'52'58"E 49.80'; (5) N38'22'04"E 50.40'; (6) N37'17'31"E 50.37'; (7) N36'44'45"E 304.20'; AND (8) N36'27'57"E 396.53' TO A FOUND IRON PIPE ON THE SOUTH LINE OF THE AFORESAID TRACT 3; THENCE ALONG SAID SOUTH LINE OF TRACT 3 S75'27'01"E 704.12' TO THE POINT OF BEGINNING.

CONTAINING 15.024 ACRES. MORE OR LESS.

NGLE FAMILY RESIDENTIAL) NGLE FAMILY RESIDENTIAL SPECIAL USE DISTRICT) MMERCIAL OUTLYING SPECIAL USE DISTRICT)

(SETBACKS INCLUDE SPECIAL USE DISTRICTS)

SURVEYOR'S CERTIFICATION:

TO WALLBROOK LANDCO. LLC. ITS SUCCESSORS AND/OR ASSIGNS AS THEIR INTERESTS MAY APPEAR, AND INVESTORS TITLE INSURANCE COMPANY:

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2016 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS. AND INCLUDES ITEMS 1, 2, 3, 4, 6A, 7A, 7B1, 8, 9, 11, 13, 16 AND 17 OF TABLE "A" THEREOF. THE FIELDWORK WAS COMPLETED ON MARCH 6, 2020.

WILLIAM T. ROBBINS, II

P.L.S. #L-4192

10/1/2020

DATE

8.1	VICI	NITY MAP LE: 1"=2000'	
) = RECORD DATA PEI = FOUND MONUMENT = SET IRON PIN = NCGS MONUMENT 	R BM 1995 PG 2034 R BM 2002 PG 825 R BM 2005 PG 1195-119 R DB 13993 PG 2591 T AS NOTED	6
	= ELECTRIC BOX = ELECTRIC METER = FIBER OPTIC = FIBER OPTIC = FIRE HYDRANT = GAS VALVE = HAND BOX = LIGHT POLE = POWER POLE = GUY WIRE = GUY WIRE = GUY WIRE = SQUARE FEET (AR = SIGN = TRAFFIC SIGNAL P = SANITARY SEWER = SANITARY SEWER = STORM DRAIN MAN = TELEPHONE PEDES = TRAFFIC BOX = WATER METER MH = WATER MANHOLE	AL CRETE PIPE EA) OLE MANHOLE FORCE MAIN VALVE NHOLE STAL ALK POLE FORCE MAIN	MAT
PHC REVISION #	NE: (804)-323-9900 EMAIL: jmtva@jmt-	N, MIRMIRAN & THOME ing A Brighter Future [®] Im Parkway Suite 310 Richmond, Virginia FAX: (804)-323-0596 engineering.com REASON FOR REVISION IPARIAN BUFFER ALONG WALL (a 23236

S.R. 205

BURLINGTON

MILLS RD

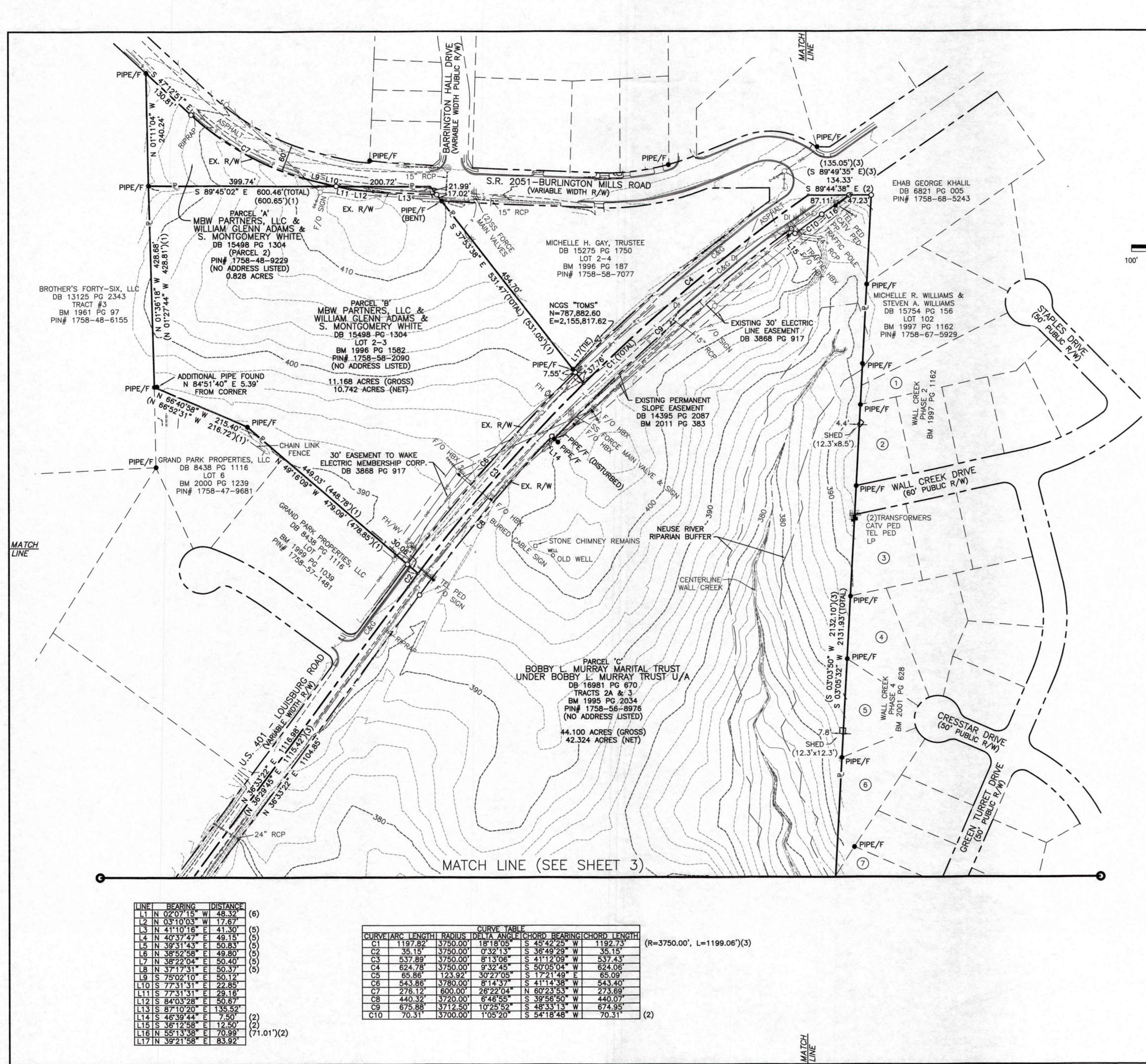
SITE



TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA DRAWN BY: JSZ PROJECT

CHECKED BY: WTR | CONTRACT#: DATE: 03/25/2020 SCALE: 1"=100' JMT#: 17-10946-001

SHEET 1 OF 3



and the second	
N.C. STATE GRID	
GRAPHIC SCALE 1"=100' ADJOINING PROPERTY OWNERS	
(1) RODERICK BLACKWELL & CHRISTINE BLACKWELL DB 8769 PG 1894 LOT 101 BM 1997 PG 1162 PIN# 1758-67-6836 (2) CHARLES CULBERTSON & TERESA CULBERTSON & TERESA CULBERTSON DB 17393 PG 896 LOT 96 BM 1997 PG 1162 PIN# 1758-67-4619 (3) ANTONIO G. CATTARUZZA & SHELIA B. CATTARUZZA & SHELIA B. CATTARUZZA & SHELIA B. CATTARUZZA &	LEGEND(1) = RECORD DATA PER BM 1996 PG 1582(2) = RECORD DATA PER BM 2011 PG 383(3) = RECORD DATA PER BM 1995 PG 2034(4) = RECORD DATA PER BM 2002 PG 825(5) = RECORD DATA PER BM 2005 PG 1195-1196(6) = RECORD DATA PER BM 2005 PG 1195-1196(6) = RECORD DATA PER BM 2005 PG 2591• = FOUND MONUMENT AS NOTEDO = SET IRON PIN Δ = NCGS MONUMENT• = DIMENSION POINT (NOTHING SET)PL = PROPERTY LINER/W = RIGHT OF WAYC&G = CURB AND GUTTEROI = DROP INLETELECTRIC BOXMATCH
BM 1997 PG 1162 PIN# 1758-67-4416 (4) JOHN DANIEL BONO, III & SABRINA MICHELE BONO DB 13369 PG 2170 LOT 85 BM 2001 PG 628 PIN# 1758-67-4204 (5) RONALD G. PATTERSON & LAURA A. PATTERSON DB 10087 PG 2409 LOT 84 BM 2001 PG 628 PIN# 1758-67-4100 (6) MICHAEL A. HADDER & JENNIFER H. HADDER DB 16143 PG 2477 LOT 83 BM 2001 PG 628 PIN# 1758-66-3984 (7) JOSEPH L. KEELEY, III & SARAH E. KEELEY DB 10496 PG 1314	$ \begin{array}{c} \begin{tabular}{lllllllllllllllllllllllllllllllllll$
LOT 79 BM 2002 PG 825 PIN# 1758-66-4723	Image: Warter waretre warter warter warte
Developeration of the second s	PREPARED FOR WALLBROOK LANDCO, LLC WAKE FOREST TOWNSHIP TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA DRAWN BY: JSZ PROJECT#: CHECKED BY: WTR CONTRACT#: JMT#: 17-10946-001 DATE: 03/25/2020 SCALE: 1"=100' SHEET 2 OF 3

