Pender County Planning and Community Development

Planning Division

805 S. Walker Street PO Box 1519 Burgaw, NC 28425



Phone: 910-259-1202 Fax: 910-259-1295 www.pendercountync.gov

Application Information Major Site Development Plan

Case Number: SDP 2023-269

Application Type: Major Site Development Plan

Applicant & Owner: Dr. Sara Lewis, DVM

Location: Approximately 420 feet from the intersection of US HWY 17 and Whitebridge RD

on the southbound side of 17

Property ID #(s): 3282-21-9177-0000

Description: Major Site Development Plan application for the development of a veterinarian

facility/office.

Current Zoning: GB. General Business & IT, Industrial Transitional

Technical Review Committee Meeting: January 4th, 2023 at 9am

Board of County Commissioners/Planning Board Meeting: TBD

Application Materials

Application Package Site Plan

APPLICATION PACKAGE

Pender County Planning and Community Development

805 S. Walker Street PO Box 1519 Burgaw, NC 28425

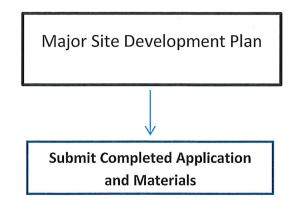


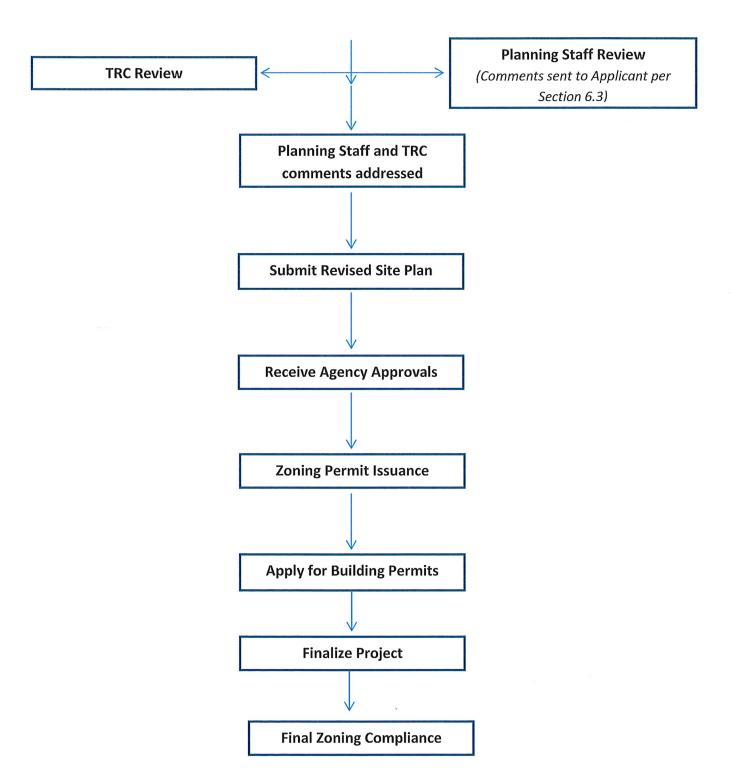
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Major Site Development Plan Submission

Applications will be considered for the Technical Review Committee hearing and reviewed by Staff only when deemed complete. The application will be regarded as incomplete until the following items are received by the Planning and Community Development Staff.

1.	Pre-submittal Meeting
	Date of Meeting 11/13/23
2.	Signed Application
3.	Payment
	\$250
4.	Paper Plan Sets
	Two (2) 24 x 36, Fifteen (15) 11 x 17
5	Digital Submission
	For all documents submitted in paper copy, bring a digital copy with paper
	submission.
6	Adjacent Property List
	A list of names and addresses, as obtained from the county tax listings and tax
	abstract, to the owners of all properties located within 500-feet of the
	perimeter of the project bounds.
7	Adjacent Property Envelopes
	The applicant shall provide a set of business envelopes addressed to each of the
	owners of all properties located within 500-feet of the perimeter of the project
	bounds and accompanied with the amount of postage required for first class
	postage.
8.	Permits
	Include any permits issued on the project including but not limited to
0	environmental, traffic, utility, or site specific conditions.
9.	Site Plan Requirements
	A prepared site plan in accordance with the Unified Development Ordinance
	standards Section 6.3, Pender County Collector Street Plan, Pender Count
	Transportation Plan, other approved State of Federal Transportatio Improvement Plan, or any other adopted plan in Pender County.
	(See Major Site Development Checklist)
	(See Major Site Development Checkist)
Leartify that all i	information presented in this application is accurate to the best of my knowledge.
r certify that all i	mormation presented in this application is accurate to the best of my knowledge.
Signature of Applicant	Date 11/29/23
Printed Name	Janker Carit Staff Initials:
	Date:





Major Site Development Plan Specific Requirements

1. Major Site Development Application Submittal

- Site Plan (per Section 6.3)
 - Scale
 - North Arrow
 - All property information (zoning, setbacks, PIN #)
 - Adjacent property info (owner, zoning, use, PIN #)
 - References to any previously approved plans
 - Utility providers
 - All existing and proposed structures
 - Buffering (Section 8.2.6) & Landscaping (8.3)
 - Parking (Section 7.10)
 - Lighting
 - Cross Access Connections (Section 7.4.4)
 - AM/PM Peak Hour Trip Calculations (TIA required with 100 AM/PM trips or >1,000 trips per day)
 - Soil Erosion and Sedimentation Control Plan
 - Location of all environmental features
 - Stormwater management features
 - Proposed accesses, easements, streets, and sidewalks
- Permits received

2. TRC Meeting

- Site Plan Review
- Agency comments/requirements

3. Post-TRC Meeting

- Submit site plan with revisions
- Receive agency approvals
- Forward all agency approvals to Planning Staff.

4. Approval of Site Plan

- All TRC comments and agency requirements addressed
- Zoning approval allows for building permit process to begin
- Apply for building permits

5. Final Zoning

- Site Visit to check the following:
 - Landscaping
 - Buffering
 - Parking

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MAJOR AND MINOR SITE DEVELOPMENT APPLICATION

THIS SECTION FOR OFFICE USE										
Date:	Permit Nu	ımber:	Permit F	ee:		Invoice	Numbe	er:		
*Zoning Approval ON	ILY: YES / N	10	Final Zo	ning	Complianc	e Appro	oved: YE	:S / N	O / N/A	
Type of Site Develop	□ Majo	r		l Minor						
SECTION 1: GENE	RAL INFO	DRMATION	•		>	•				
Applicant's Name:	Dr. Sara	a Lewis, DVM			Property Name:	Owne	er's	SA	ME	
Applicant's Address:	200 Kry	/stal Pond Dr.		100	Property Address:		er's	SA	ME	
City, State, & Zip	Wilmin	gton, NC 284	11		City, Sta	te, & Z	ip.	SA	AME	
Phone Number:	910-33	6-9540			Phone N	umber	'	SAME		
Email Address:	saralev	visdvm@gmai	il.com	1	Email Ad	ldress: SA		Si	SAME	
Legal relationship of landowner:	of applican	t to Owr	ner							
SECTION 2: PRO	IECT INFO	RMATION								
PIN (Property Id #):	3282-21-	9177-0000	9177-0000 To			ty acr	eage:		2.46	
Zoning:	GB/IT		Acreage to be			e dist	urbed:		1.75	
Water Provider:	PCU/Priv	ate Well	e Well Wastewater Provider: PCU					PCU		
Directions to Site:	1.5 miles	south from th	south from the intersection of Hwy 210 and US Hwy 17							
			1							
Lot Size: 2.46 ac		Sq Ft	of Buildi	ng: 5	,380 sf		Buildi	ng He	eight: 15 ft	
Setbacks Fron	t: 25		Side: 10	0		-	Rea	ar: 10)	
NAICS Code/Use:	541940/Ve	terinary Servi	ces							
Business Name:		Animal Urgent	Care and	d Sur	gery					
Describe activities									ingle metal building,	
undertaken on proj	ject site:	including dri	veway, pa	arking	ງ, and storn	nwater	manage	ment		
Ownership: Private Public	∀ Private		6:	Nur	nber of M	ember	s:		Seating Capacity:	

^{*}If the applicant is not the owner of the property, a notarized letter from the property owner may be required

*Zoning approval is for the use being proposed ONLY, other department approvals may be required i.e. Fire Marshal, Environmental Health, Permitting, etc...

SECTION 4: ADDITIONA	AL COMMENTS		
	·		
SECTION 5: SIGNATURE	.S //		
Applicant's Signature	2	Date:	11/29/23
Applicant's Name Printed	Janathan Lewis	Date:	11/24/23
Owner's Signature	7.	Date:	11/24/23
Owner's Name Printed	I Jona Ban Lawis	Date:	11/29/23
Planning Staff:		Date:	

SITE PLAN(S)

VET CROSS

ANIMAL URGENT CARE AND SURGERY

PARCEL: 3282-21-9177-0000 PENDER COUNTY, NC TRC SUBMITTAL DECEMBER 01, 2023

TITLE

COVER SHEET

SITE PLAN

DRIVEWAY PLAN

SITE DETAILS

UTILITY DETAILS

UTILITY DETAILS

EXISTING CONDITIONS & DEMOLITION PLAN

SEDIMENT & EROSION CONTROL PLAN

STORM DRAINAGE & GRADING PLAN

SEDIMENT & EROSION CONTROL DETAILS

STORM DRAINAGE & GRADING DETAILS

STORM DRAINAGE & GRADING DETAILS

SHEET INDEX

C-001

CE101 CS101

CS102

CG101

CE501

CE502

CE503

CE504

CS501

CG501

CG502

CU501

CU502

GENERAL NOTES

AND SPECIFICATIONS (LATEST EDITION).

PRIOR TO ANY EXCAVATION.





NC License No. P-1944

www.rivervieweng.com

PROJECT OWNER

DR. SARA LEWIS DVM MR. JOHN LEWIS

NOT FOR CONSTRUCTION

ISSUE DATE

DECEMBER 01, 2023

N. LAURETTA, PE, LEED AP

PROJECT ADDRESS

PROJECT NUMBER

SHEET NUMBER

COVER SHEET

1009.01

HAMPSTEAD, NC

DRAWN BY

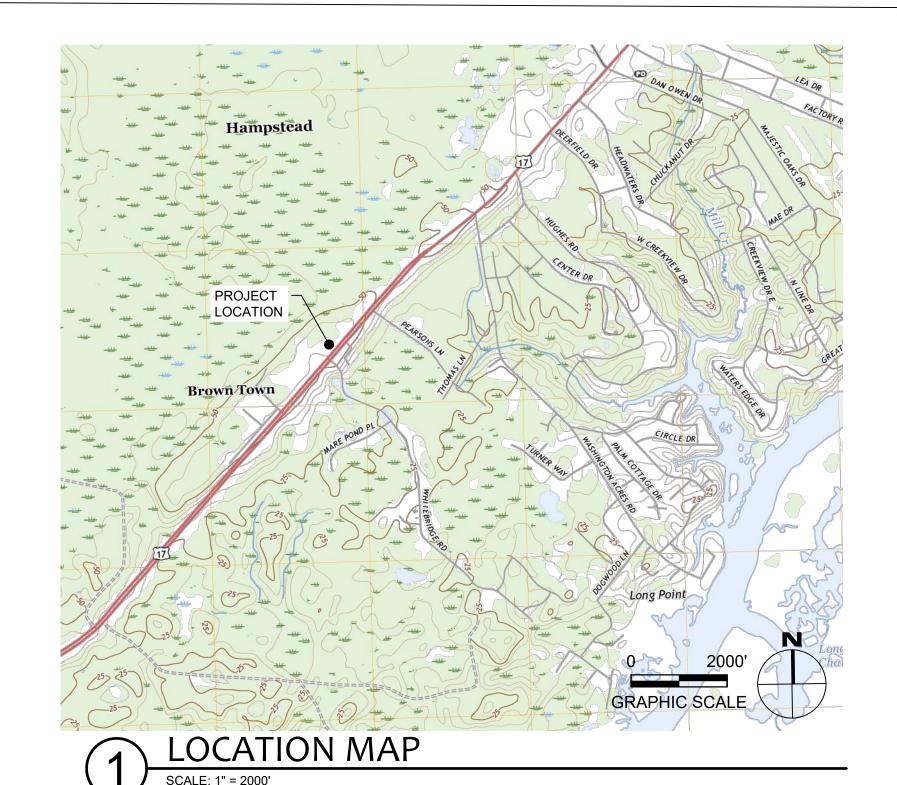
UNDERGROUND UTILITIES MAY EXIST ON, ALONG OR WITHIN CONFLICT OF THIS PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING NC 811 OR THE APPROPRIATE UTILITY COMPANIES

- THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE DEMOLITION OF ANY EXISTING ON SITE ITEMS AS SHOWN ON THE DEMO PLAN. ABOVE AND BELOW GROUND. THE CONTRACTOR IS ALSO RESPONSIBLE FOR REMOVAL OF ALL WASTE RESULTING FROM DEMOLITION.
- THE CONTRACTOR SHALL OBSERVE ALL REQUIRED SAFETY PRECAUTIONS IN THE PERFORMANCE OF ALL WORK IN ACCORDANCE WITH CURRENT OSHA REGULATIONS.

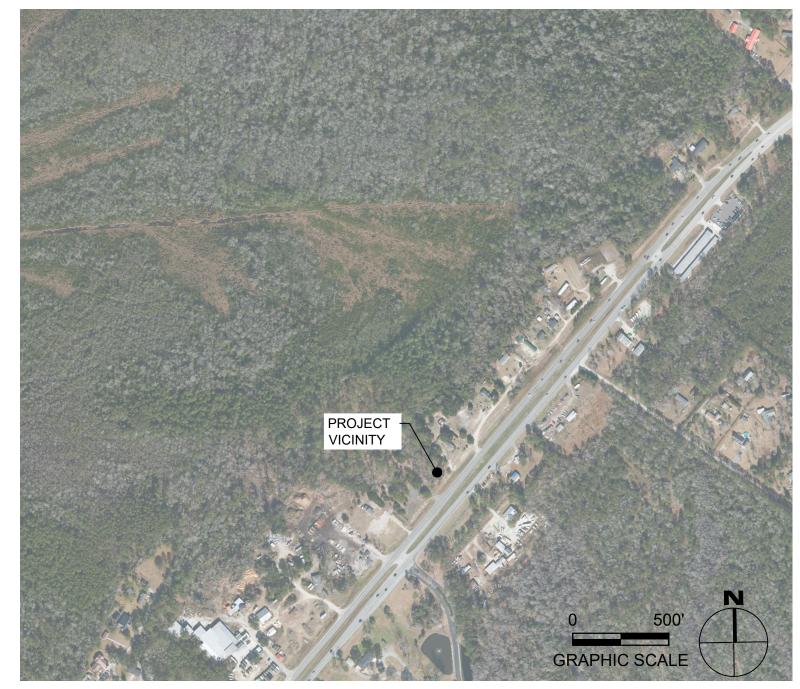
ALL MATERIALS AND CONSTRUCTION METHODS PER THE LATEST EDITION OF PENDER COUNTY SPECIFICATIONS

ALL SITE WORK, AT A MINIMUM, SHALL BE PERFORMED IN ACCORDANCE WITH THE 2024 NCDOT ROADWAY STANDARD DRAWINGS AND STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES UNLESS OTHERWISE NOTED OR DIRECTED. ROADS SHALL BE CONSTRUCTED TO NCDOT STANDARDS

- THE CONTRACTOR SHALL GRADE, SEED, AND SOD OR OTHERWISE PROVIDE TEMPORARY AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS.
- WORK WITHIN PUBLIC RIGHT-OF-WAYS SHALL BE IN ACCORDANCE WITH ALL STATE AND LOCAL REQUIREMENTS, NOTIFICATIONS, STANDARDS AND POLICIES. ANY SUBSTITUTIONS, CHANGES, OR MODIFICATIONS SHALL BE APPROVED BY THE PROJECT
- ENGINEER, PLANNING DEPARTMENT STAFF, AND OWNER PRIOR TO INSTALLATION/CONSTRUCTION. THE GRADE LINES DENOTE THE FINISHED ELEVATIONS OF THE PROPOSED SURFACE. GRADE LINES
- MAY BE ADJUSTED AT THEIR BEGINNING, ENDING AND AT STRUCTURES AS DIRECTED BY THE ENGINEER IN ORDER TO PROVIDE A PROPER TIE-IN. CONTRACTOR SHALL FIELD VERIFY ALL PROPOSED INVERTS, FFE'S, AND FINISHED SURFACES TO ENSURE THAT MINIMUM SLOPE AND COVER REQUIREMENTS ARE PROVIDED PRIOR TO INSTALLATION.
- THE EARTHWORK ON THIS PLAN DOES NOT NECESSARILY BALANCE. OFFSITE BORROW OR WASTE MAY
- ALL PIPE INVERTS TO BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTING GRAVITY SYSTEMS AND SHALL BE ADJUSTED BY THE ENGINEER IF NECESSARY. ALL CONCRETE PIPE SHALL BE REINFORCED
- NEW SIGNS REQUIRE ZONING COMPLIANCE AND BUILDING PERMITS PER UDO. A PERMIT IS REQUIRED FOR THE SITE IDENTIFICATION SIGN. SIGN SHALL MEET PENDER COUNTY STANDARDS.
- NO ADDITIONAL OUTDOOR LIGHTING IS PROPOSED. NEW LIGHTING REQUIRES ADDITIONAL PLANS AND PERMITS TO ENSURE COMPLIANCE WITH UDO.



WATER OAK



VICINITY MAP

AMERICAN HOLLY

TR	FF	RF	MAO	$\Lambda \Lambda \Lambda$

LIVE OAK

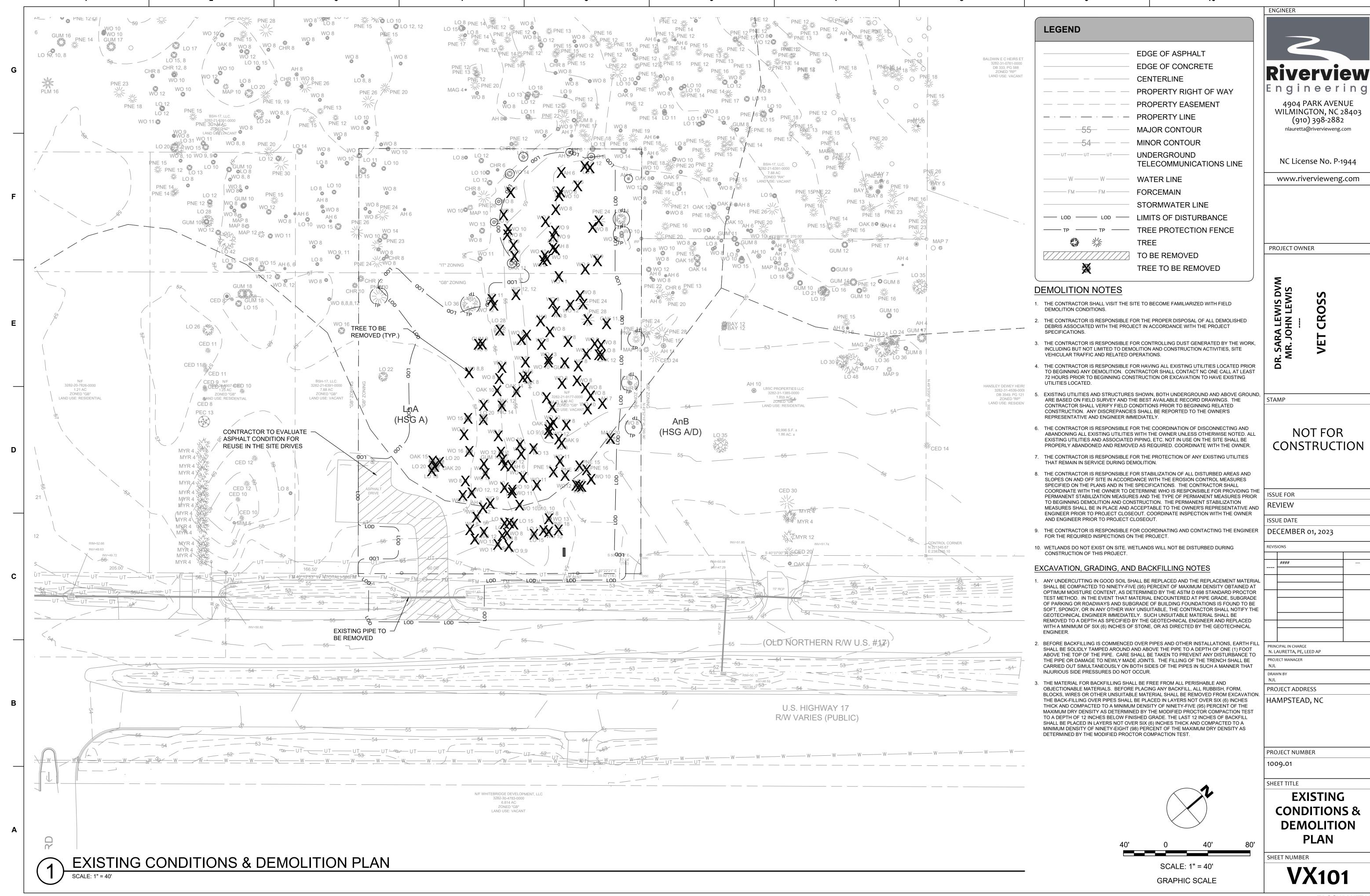
TREE TYPE	DBH (IN.)	(2" CAL.)	TREE TYPE	DBH (IN.)	(2" CAL.)	TREE TYPE	DBH (IN.)	(2" CAL.)	TREE TYPE	DBH (IN.)	(2" CAL.)	TREE TYPE	DBH (IN.)	(2" CAL.)
WATER OAK	9	2	OAK	20	2	WATER OAK	8	2	WATER OAK	8	2	PINE	24	0
WATER OAK	11	2	OAK	15	2	WATER OAK	10	2	WATER OAK	8	2	PINE	28	0
WATER OAK	8	2	WATER OAK	8	2	WATER OAK	8	2	WATER OAK	8	2	WATER OAK	9	2
WATER OAK	8	2	WATER OAK	12	2	LIVE OAK	8	2	WATER OAK	8	2	WATER OAK	9	2
WATER OAK	11	2	WATER OAK	8	2	LIVE OAK	9	2	WATER OAK	9	2	WATER OAK	10	2
WATER OAK	12	2	WATER OAK	16	2	LIVE OAK	20	2	WATER OAK	10	2	WATER OAK	10	2
WATER OAK	12	2	WATER OAK	12	2	LIVE OAK	8	2	WATER OAK	13	2	WATER OAK	8	2
WATER OAK	11	2	WATER OAK	8	2	OAK	9	2	WATER OAK	8	2	WATER OAK	9	2
WATER OAK	8	2	WATER OAK	15	2	OAK	8	2	WATER OAK	8	2	WATER OAK	8	2
AMERICAN HOLLY	8	2	PINE	18	0	OAK	12	2	WATER OAK	8	2	WATER OAK	10	2
LIVE OAK	8	2	GUM	10	0	OAK	10	2	WATER OAK	12	2	WATER OAK	8	2
LIVE OAK	9	2	WATER OAK	12	2	OAK	14	2	WATER OAK	11	2	WATER OAK	8	2
LIVE OAK	15	2	WATER OAK	11	2	OAK	8	2	LIVE OAK	28	2	WATER OAK	8	2
LIVE OAK	11	2	WATER OAK	10	2	HICKORY	14	2	OAK	12	2	WATER OAK	9	2
LIVE OAK	15	2	WATER OAK	12	2	MAGNOLIA	10	0	OAK	11	2	WATER OAK	9	2
WATER OAK	10	2	WATER OAK	9	2	MAGNOLIA	20	2	LIVE OAK	8	2	WATER OAK	8	2
WATER OAK	13	2	WATER OAK	13	2	WATER OAK	10	2	WATER OAK	8	2	WATER OAK	10	2
WATER OAK	8	2	WATER OAK	10	2	WATER OAK	8	2	WATER OAK	8	2	WATER OAK	8	2
WATER OAK	10	2	PINE	16	0	WATER OAK	8	2	WATER OAK	8	2	WATER OAK	8	2
WATER OAK	9	2	PINE	15	0	WATER OAK	8	2	WATER OAK	8	2	PINE	24	0
WATER OAK	12	2	PINE	15	0	WATER OAK	8	2	WATER OAK	8	2	LIVE OAK	8	2
WATER OAK	10	2	PINE	16	0	WATER OAK	8	2	WATER OAK	12	2	LIVE OAK	12	2
WATER OAK	10	2	LIVE OAK	8	2	WATER OAK	11	2	WATER OAK	8	2	AMERICAN HOLLY	8	2
WATER OAK	11	2	LIVE OAK	9	2	AMERICAN HOLLY	7	2	WATER OAK	8	2	AMERICAN HOLLY	12	2
LIVE OAK	20	2	WATER OAK	10	2	AMERICAN HOLLY	6	2	WATER OAK	11	2	WHERE ANY SIGNIFICANT		
LIVE OAK	18	2	WATER OAK	11	2	GUM	8	0	WATER OAK	12	2	PLANTING ON SITE OF TWO	(2) TREES OF THE	

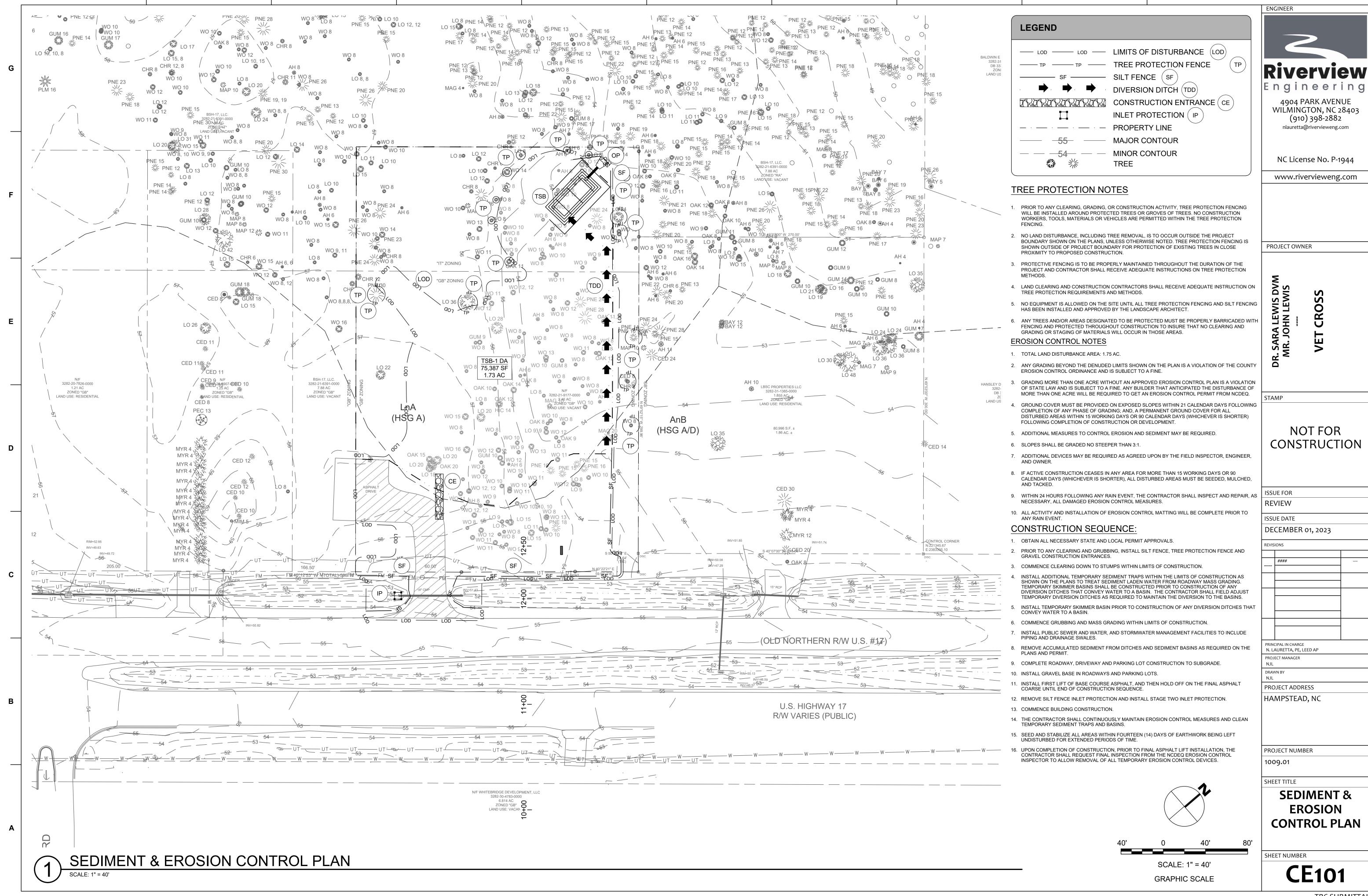
PLANTING ON SITE OF TWO (2) TREES OF THE SAME SPECIES WITH A

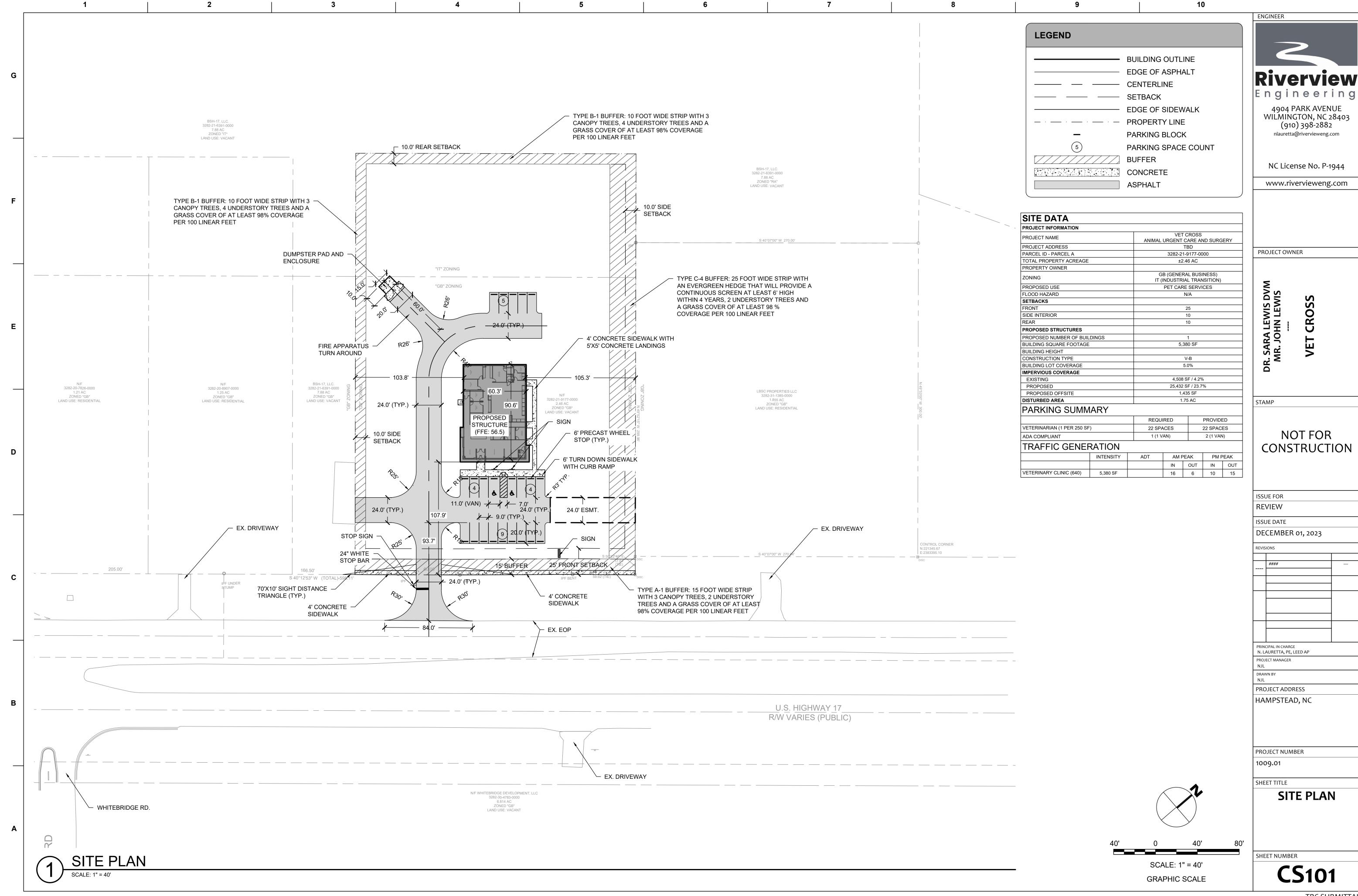
240 (2" CALIPER) TREES SHALL BE PLANTED

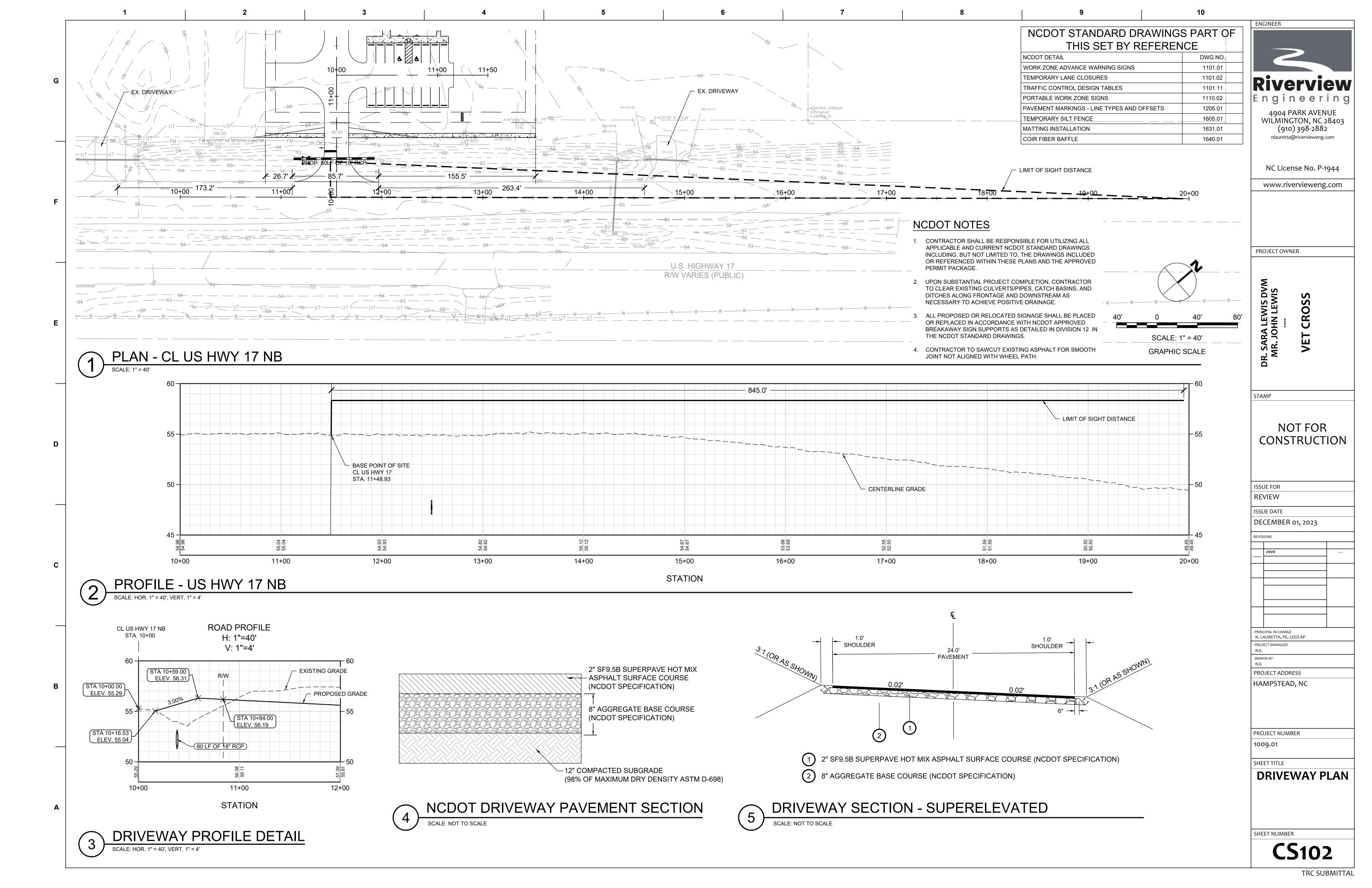
C-001 TRC SUBMITTAL

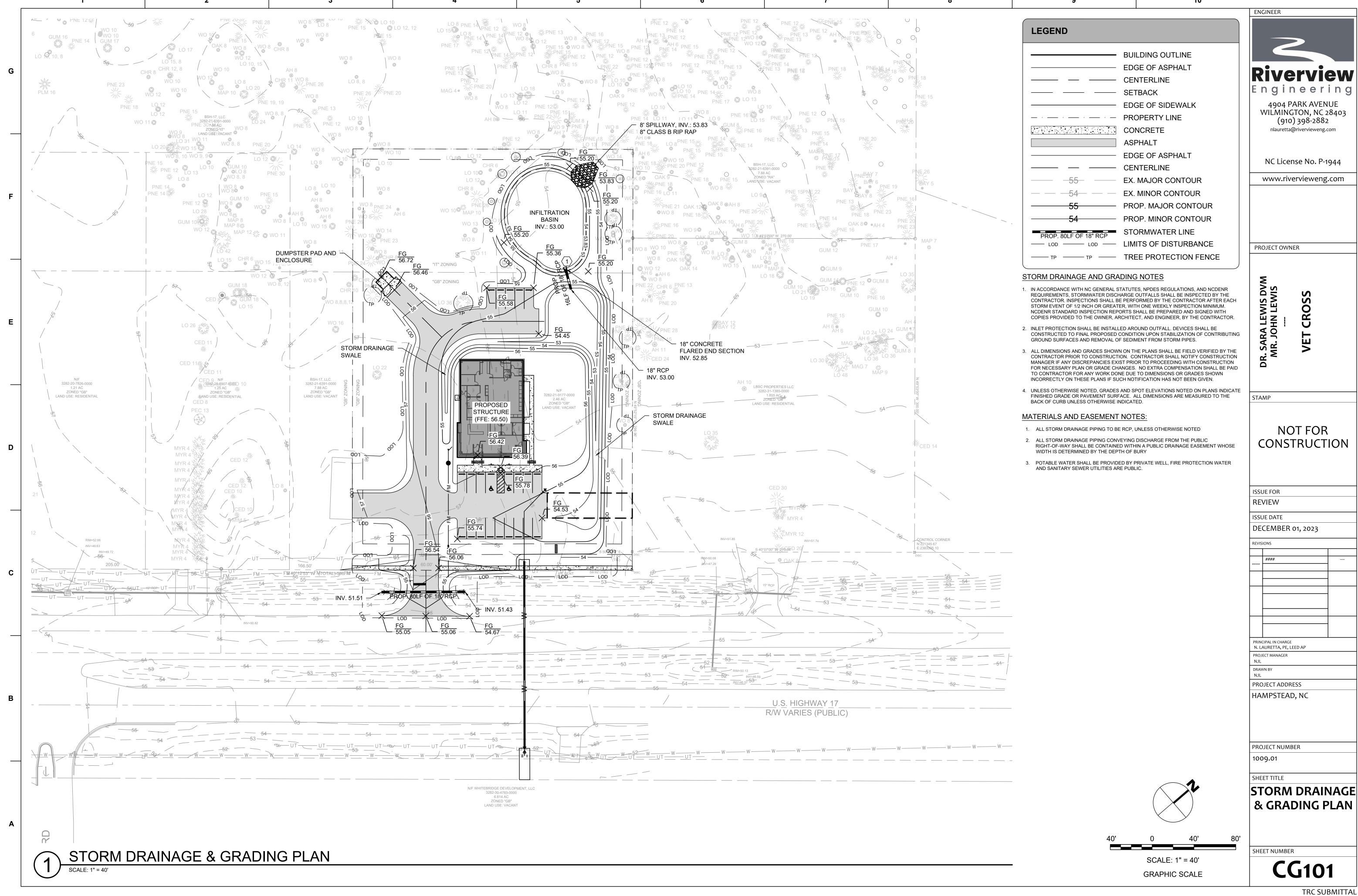
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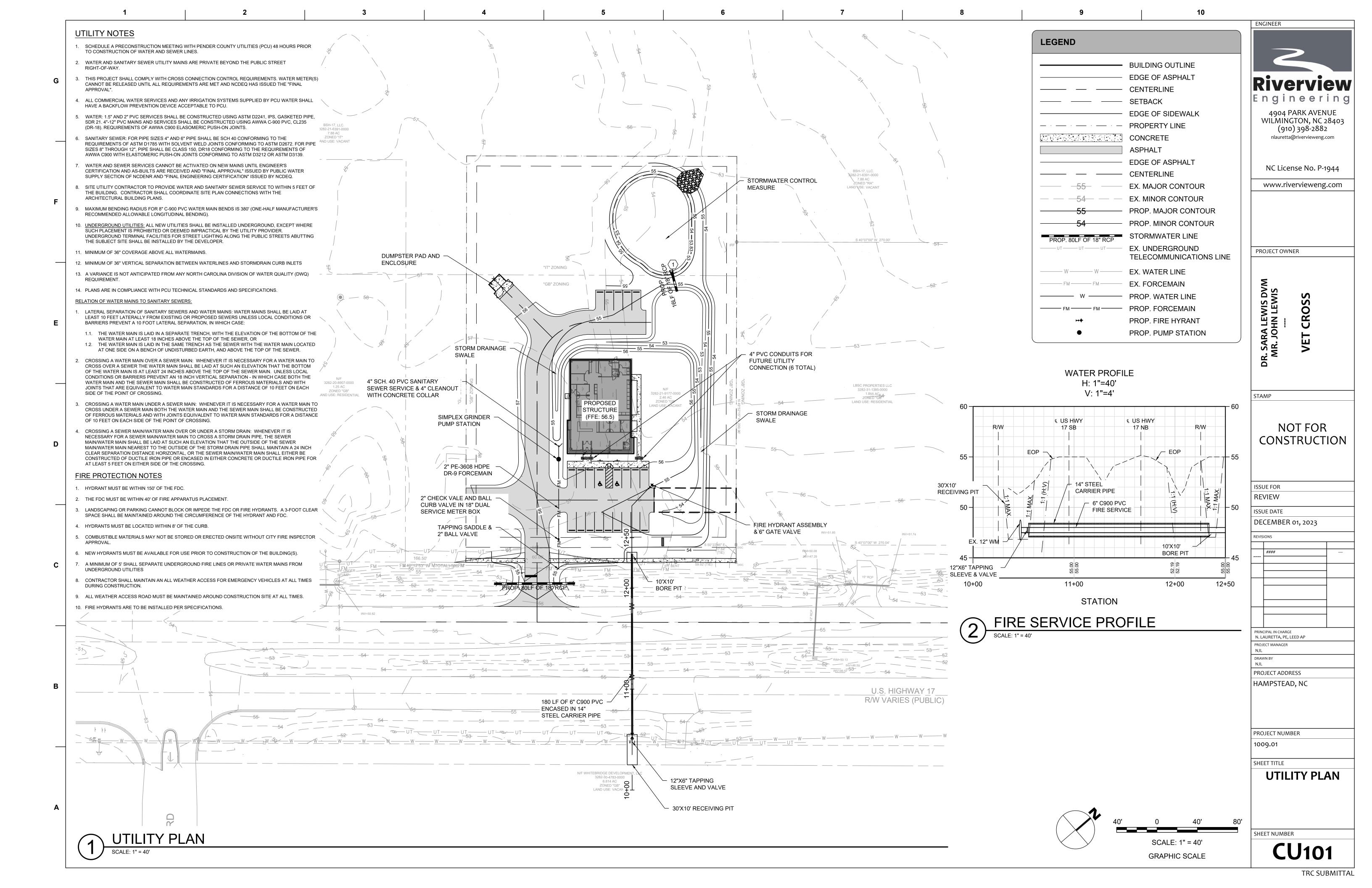


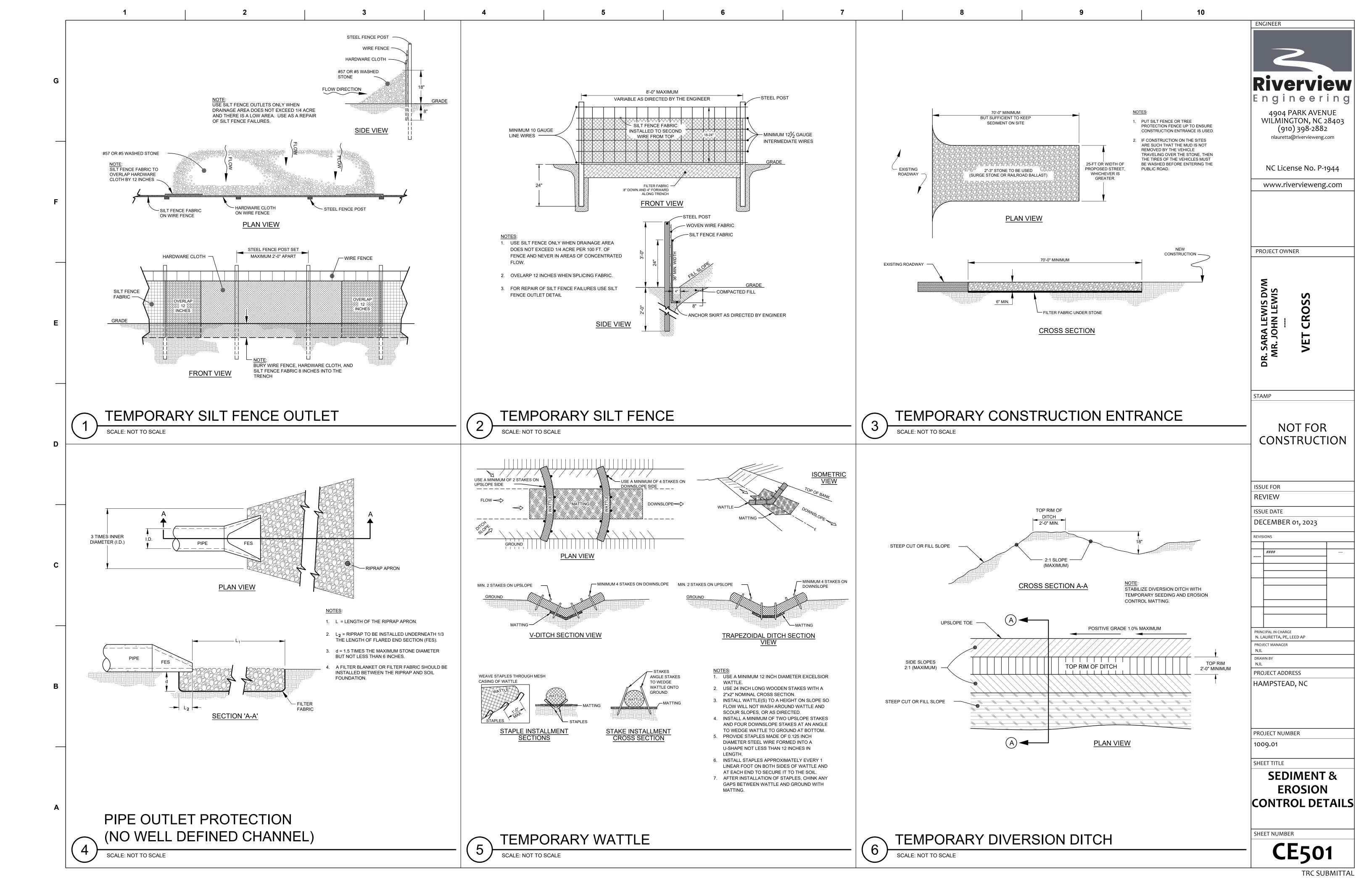


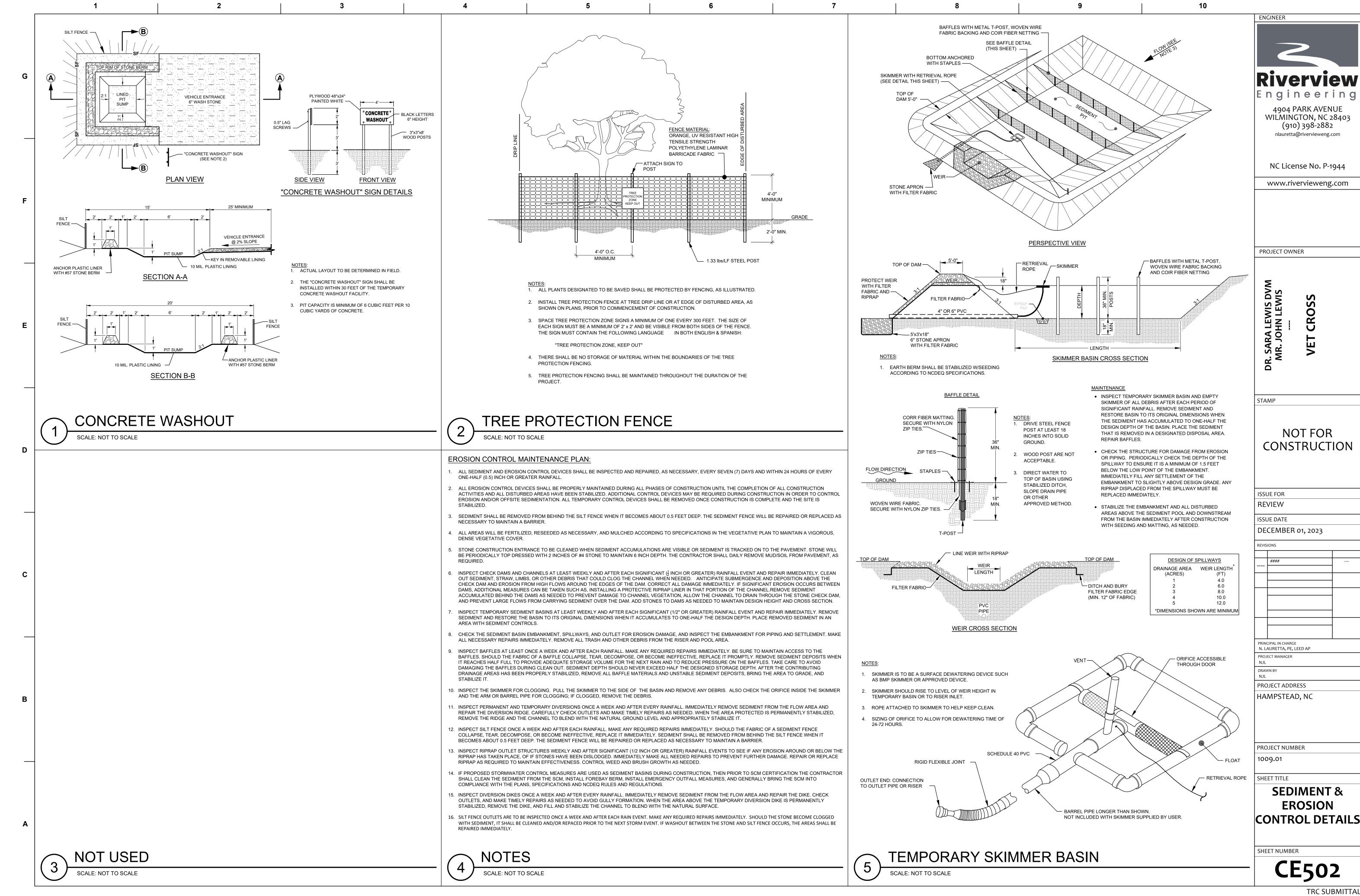












Implementing the details and specifications on this plan sheet will result in the construction activity being considered compliant with the Ground Stabilization and Materials Handling sections of the NCG01 Construction General Permit (Sections E and F, respectively). The permittee shall comply with the 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.

SECTION E: GROUND STABILIZATION

	Required Ground Stabilization Timeframes							
Si	te Area Description	Stabilize within this many calendar days after ceasing land disturbance	Timeframe variations					
(a)	Perimeter dikes, swales, ditches, and perimeter slopes	7	None					
(b)	High Quality Water (HQW) Zones	7	None					
(c)	Slopes steeper than 3:1	7	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed					
(d)	Slopes 3:1 to 4:1	14	-7 days for slopes greater than 50' in length and with slopes steeper than 4:1 -7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed					
(e)	Areas with slopes flatter than 4:1	14	-7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed unless there is zero slope					

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 surface stable against accelerated erosion until permanent ground stabilization is achieved.

GROUND STABILIZATION SPECIFICATION

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
Temporary grass seed covered with straw or	Permanent grass seed covered with straw or
other mulches and tackifiers	other mulches and tackifiers
Hydroseeding	Geotextile fabrics such as permanent soil
Rolled erosion control products with or	reinforcement matting
without temporary grass seed	Hydroseeding
Appropriately applied straw or other mulchPlastic sheeting	Shrubs or other permanent plantings covered with mulch
	 Uniform and evenly distributed ground cover sufficient to restrain erosion
	Structural methods such as concrete, asphalt or retaining walls
	Rolled erosion control products with grass seed

POLYACRYLAMIDES (PAMS) AND FLOCCULANTS

- 1. Select flocculants that are appropriate for the soils being exposed during construction, selecting from the NC DWR List of Approved PAMS/Flocculants.
- 2. Apply flocculants at or before the inlets to Erosion and Sediment Control Measures.
- 3. Apply flocculants at the concentrations specified in the NC DWR List of Approved PAMS/Flocculants and in accordance with the manufacturer's instructions.
- 4. Provide BASINing area for containment of treated Stormwater before discharging
- 5. Store flocculants in leak-proof containers that are kept under storm-resistant cover or surrounded by secondary containment structures.

EQUIPMENT AND VEHICLE MAINTENANCE

- 1. Maintain vehicles and equipment to prevent discharge of fluids.
- 2. Provide drip pans under any stored equipment.
- 3. Identify leaks and repair as soon as feasible, or remove leaking equipment from the project.
- 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 has been corrected.
- Bring used fuels, lubricants, coolants, hydraulic fluids and other petroleum products to a recycling or disposal center that handles these materials.

LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE

- 1. Never bury or burn waste. Place litter and debris in approved waste containers.
- 2. Provide a sufficient number and size of waste containers (e.g dumpster, trash receptacle) on site to contain construction and domestic wastes.
- 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 from upland areas and does not drain directly to a storm drain, stream or wetland.
- 5. Cover waste containers at the end of each workday and before storm events or provide secondary containment. Repair or replace damaged waste containers.
- Anchor all lightweight items in waste containers during times of high winds.
- Empty waste containers as needed to prevent overflow. Clean up immediately if containers overflow.
- Dispose waste off-site at an approved disposal facility.
- On business days, clean up and dispose of waste in designated waste containers.

PAINT AND OTHER LIQUID WASTE

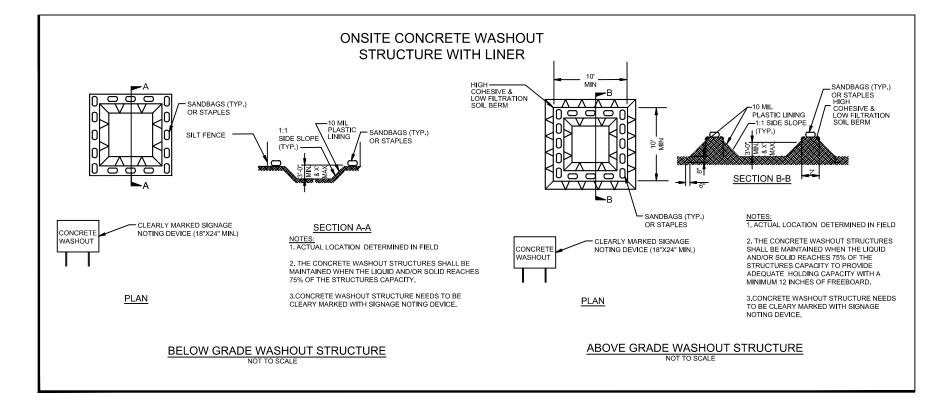
- Do not dump paint and other liquid waste into storm drains, streams or wetlands.
- Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Contain liquid wastes in a controlled area.
- Containment must be labeled, sized and placed appropriately for the needs of site.
- Prevent the discharge of soaps, solvents, detergents and other liquid wastes from construction sites.

PORTABLE TOILETS

- 1. 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.
- Provide staking or anchoring of portable toilets during periods of high winds or in high foot traffic areas.
- 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.

EARTHEN STOCKPILE MANAGEMENT

- Show stockpile locations on plans. Locate earthen-material stockpile areas at least 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
- 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.
- 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 erosion on disturbed soils for temporary or permanent control needs.



CONCRETE WASHOUTS

- 1. Do not discharge concrete or cement slurry from the site.
- 2. Dispose of, or recycle settled, hardened concrete residue in accordance with local and state solid waste regulations and at an approved facility.
- 3. 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.
- 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 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 discharged to the storm drain system or receiving surface waters. Liquid waste must be pumped out and removed from project.
- Locate washouts at least 50 feet from storm drain inlets and surface waters unless it 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.
- 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 at least one sign directing concrete trucks to the washout within the project limits. Post signage on the washout itself to identify this location.
- Remove leavings from the washout when at approximately 75% capacity to limit 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.
- 10. 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.

HERBICIDES, PESTICIDES AND RODENTICIDES

- 1. Store and apply herbicides, pesticides and rodenticides in accordance with label restrictions.
- 2. 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.
- 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.
- Do not stockpile these materials onsite.

HAZARDOUS AND TOXIC WASTE

- 1. Create designated hazardous waste collection areas on-site.
- 2. Place hazardous waste containers under cover or in secondary containment.
- Do not store hazardous chemicals, drums or bagged materials directly on the ground.

ENGINEER Riverview Engineering 4904 PARK AVENUE WILMINGTON, NC 28403 (910) 398-2882 nlauretta@rivervieweng.com

NC License No. P-1944

www.rivervieweng.com

PROJECT OWNER

DR. SARA LEWIS DVM MR. JOHN LEWIS

NOT FOR CONSTRUCTION

ISSUE FOR
DEVIEW

ISSUE DATE DECEMBER 01, 2023

		,	
REVIS	IONS		
	####		

PRINCIPAL IN CHARGE
N. LAURETTA, PE, LEED AP

PROJECT ADDRESS

HAMPSTEAD, NC

1009.01

SEDIMENT & EROSION CONTROL DETAILS EFFECTIVE: 04/01/19

CE503

TRC SUBMITTAL

NCG01 GROUND STABILIZATION AND MATERIALS HANDLING

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION A: SELF-INSPECTION

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 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 performed upon the commencement of the next business day. Any time when inspections were delayed shall be noted in the Inspection Record.

Inspect	Frequency (during normal business hours)	Inspection records must include:
(1) Rain gauge maintained in good working order	Daily	Daily rainfall amounts. If no daily rain gauge observations are made during weekend or holiday periods, and no individual-day rainfall information is available, record the cumulative rain measurement for those unattended days (and this will determine if a site inspection is needed). Days on which no rainfall occurred shall be recorded as "zero." The permittee may use another rain-monitoring devices.
(2) E&SC Measures	At least once per 7 calendar days and within 24 hours of a rain event > 1.0 inch in 24 hours	 approved by the Division. Identification of the measures inspected, Date and time of the inspection, Name of the person performing the inspection, Indication of whether the measures were operating properly, Description of maintenance needs for the measure, Description, evidence, and date of corrective actions taken.
(3) Stormwater discharge outfalls (SDOs)	At least once per 7 calendar days and within 24 hours of a rain event \geq 1.0 inch in 24 hours	 Identification of the discharge outfalls inspected, Date and time of the inspection, Name of the person performing the inspection, Evidence of indicators of stormwater pollution such as oil sheen, floating or suspended solids or discoloration, Indication of visible sediment leaving the site, Description, evidence, and date of corrective actions taken.
(4) Perimeter of site	At least once per 7 calendar days and within 24 hours of a rain event \geq 1.0 inch in 24 hours	 If visible sedimentation is found outside site limits, then a record of the following shall be made: 1. Actions taken to clean up or stabilize the sediment that has left the site limits, 2. Description, evidence, and date of corrective actions taken, and 3. An explanation as to the actions taken to control future releases.
(5) Streams or wetlands onsite or offsite (where accessible)	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	If the stream or wetland has increased visible sedimentation or a stream has visible increased turbidity from the construction activity, then a record of the following shall be made: 1. Description, evidence and date of corrective actions taken, and 2. Records of the required reports to the appropriate Division Regional Office per Part III, Section C, Item (2)(a) of this permit.
(6) Ground stabilization measures	After each phase of grading	 The phase of grading (installation of perimeter E&SC measures, clearing and grubbing, installation of storm drainage facilities, completion of all land-disturbing activity, construction or redevelopment, permanent ground cover). Documentation that the required ground stabilization measures have been provided within the required timeframe or an assurance that they will be provided as soon as possible.

NOTE: The rain inspection resets the required 7 calendar day inspection requirement

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION B: RECORDKEEPING

1. E&SC Plan Documentation

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 kept on site and available for inspection at all times during normal business hours.

Item to Document	Documentation Requirements
(a) Each E&SC measure has been installed and does not significantly deviate from the locations, dimensions and relative elevations shown on the approved E&SC plan.	Initial and date each E&SC measure on a copy of the approved E&SC plan or complete, date and sign an inspection report that lists each E&SC measure shown on the approved E&SC plan. This documentation is required upon the initial installation of the E&SC measures or if the E&SC measures are modified after initial installation.
(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.
(c) Ground cover is located and installed in accordance with the approved E&SC plan.	Initial and date a copy of the approved E&SC plan or complete, date and sign an inspection report to indicate compliance with approved ground cover specifications.
(d) The maintenance and repair requirements for all E&SC measures have been performed.	Complete, date and sign an inspection report.
(e) Corrective actions have been taken to E&SC measures.	Initial and date a copy of the approved E&SC plan or complete, date and sign an inspection report to indicate the completion of the corrective action.

2. Additional Documentation to be Kept on Site

In addition to the E&SC plan documents above, the following items shall be kept on the site and available for inspectors at all times during normal business hours, unless the Division provides a site-specific exemption based on unique site conditions that make this requirement not practical:

- This General Permit as well as the Certificate of Coverage, after it is received.
- Records of inspections made during the previous twelve months. The permittee shall record the required observations on the Inspection Record Form provided by the Division or 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.

3. Documentation to be Retained for Three Years

All data used to complete the e-NOI and all inspection records shall be maintained for a period of three years after project completion and made available upon request. [40 CFR 122.41]

PART II, SECTION G, ITEM (4) DRAW DOWN OF SEDIMENT BASINS FOR MAINTENANCE OR CLOSE OUT

Sediment basins and traps that receive runoff from drainage areas of one acre or more shall use outlet structures that withdraw water from the surface when these devices need to be drawn down for maintenance or close out unless this is infeasible. The circumstances in which it is not feasible to withdraw water from the surface shall be rare (for example, times with extended cold weather) Non-surface withdrawals from sediment basins shall be allowed only when all of the following criteria have been met:

- (a) The E&SC plan authority has been provided with documentation of the non-surface withdrawal and the specific time periods or conditions in which it will occur. The non-surface withdrawal shall not commence until the E&SC plan authority has approved these items,
- (b) The non-surface withdrawal has been reported as an anticipated bypass in accordance with Part III, Section C, Item (2)(c) and (d) of this permit,
- (c) Dewatering discharges are treated with controls to minimize discharges of pollutants from stormwater that is removed from the sediment basin. Examples of appropriate controls include properly sited, designed and maintained dewatering tanks, weir tanks, and filtration systems,
- (d) Vegetated, upland areas of the sites or a properly designed stone pad is used to the extent feasible at the outlet of the dewatering treatment devices described in Item (c) above,
- Velocity dissipation devices such as check dams, sediment traps, and riprap are provided at the discharge points of all dewatering devices, and
- (f) Sediment removed from the dewatering treatment devices described in Item (c) above is disposed of in a manner that does not cause deposition of sediment into waters of the United States.

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION C: REPORTING

1. Occurrences that Must be Reported

Permittees shall report the following occurrences:

- (a) Visible sediment deposition in a stream or wetland.
- (b) Oil spills if:
 - They are 25 gallons or more,
 - They are less than 25 gallons but cannot be cleaned up within 24 hours,
- They cause sheen on surface waters (regardless of volume), or
- They are within 100 feet of surface waters (regardless of volume).
- 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 (Ref: 40 CFR 302.4) or G.S. 143-215.85.
- (d) Anticipated bypasses and unanticipated bypasses.
- (e) Noncompliance with the conditions of this permit that may endanger health or the environment.

2. Reporting Timeframes and Other Requirements

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 other requirements listed below. Occurrences outside normal business hours may also be reported to the Department's Environmental Emergency Center personnel at (800) 858-0368.

Occurrence	Reporting Timeframes (After Discovery) and Other Requirements
(a) Visible sediment deposition in a stream or wetland	 Within 24 hours, an oral or electronic notification. Within 7 calendar days, a report that contains a description of the sediment and actions taken to address the cause of the deposition. Division staff may waive the requirement for a written report on a case-by-case basis. If the stream is named on the NC 303(d) list as impaired for sediment-related causes, the permittee may be required to perform additional 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.
(b) Oil spills and release of hazardous substances per Item 1(b)-(c) above	Within 24 hours, an oral or electronic notification. The notification shall include information about the date, time, nature, volume and location of the spill or release.
(c) Anticipated bypasses [40 CFR 122.41(m)(3)]	 A report at least ten days before the date of the bypass, if possible. The report shall include an evaluation of the anticipated quality and effect of the bypass.
(d) Unanticipated bypasses [40 CFR 122.41(m)(3)]	 Within 24 hours, an oral or electronic notification. Within 7 calendar days, a report that includes an evaluation of the quality and effect of the bypass.
(e) Noncompliance with the conditions of this permit that may endanger health or the environment[40 CFR 122.41(I)(7)]	 Within 24 hours, an oral or electronic notification. Within 7 calendar days, a report that contains a description of the noncompliance, and its causes; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time noncompliance is expected to 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.

Riverview

ENGINEER

Engineering 4904 PARK AVENUE WILMINGTON, NC 28403 (910) 398-2882 nlauretta@rivervieweng.com

NC License No. P-1944

www.rivervieweng.com

PROJECT OWNER

OR. SARA LEWIS DVM MR. JOHN LEWIS

NOT FOR CONSTRUCTION

ISSUE FOR

REVIEW

ISSUE DATE

DECEMBER 01, 2023

PRINCIPAL IN CHARGE N. LAURETTA. PE. LEED A

PROJECT ADDRESS

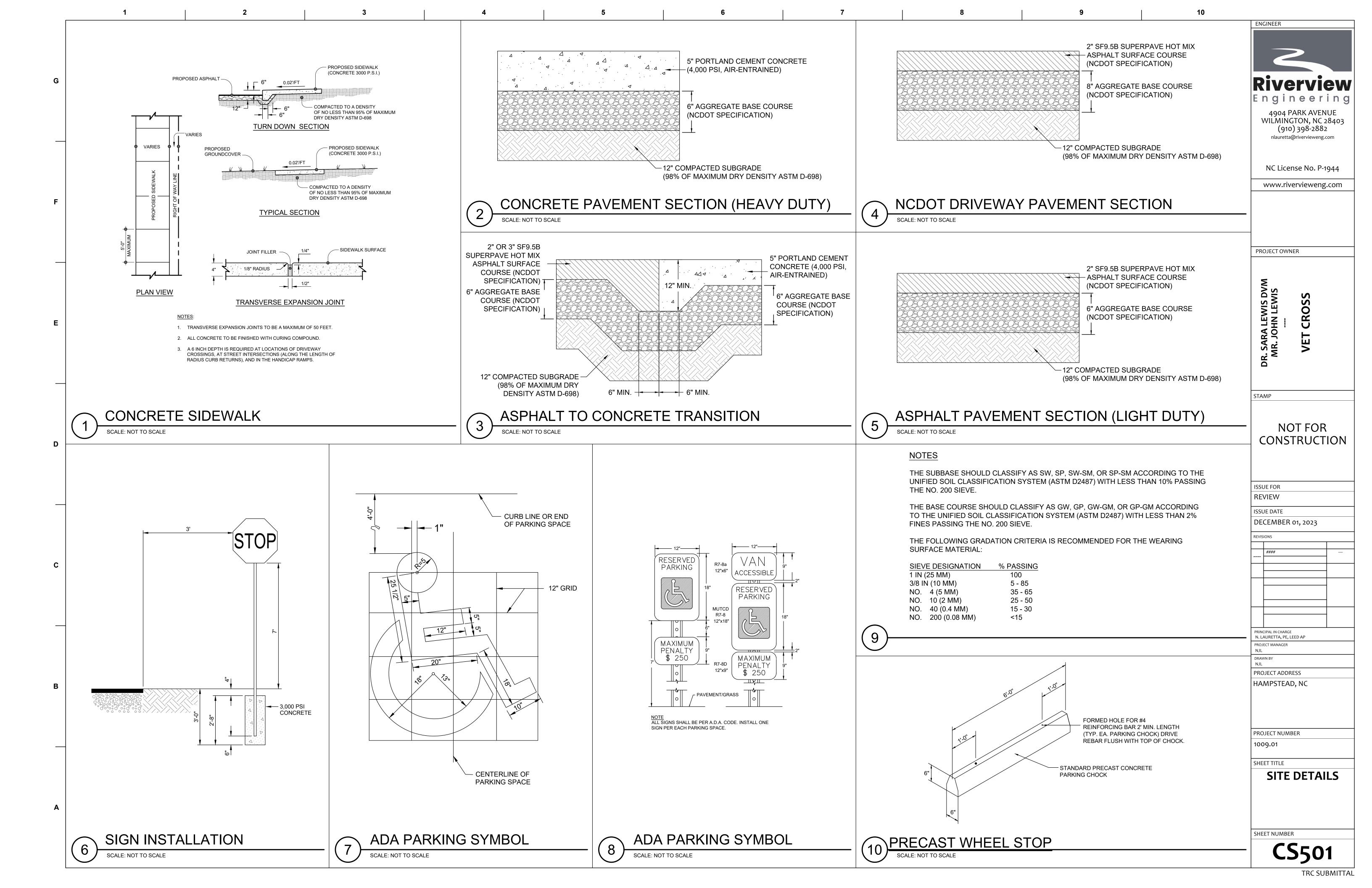
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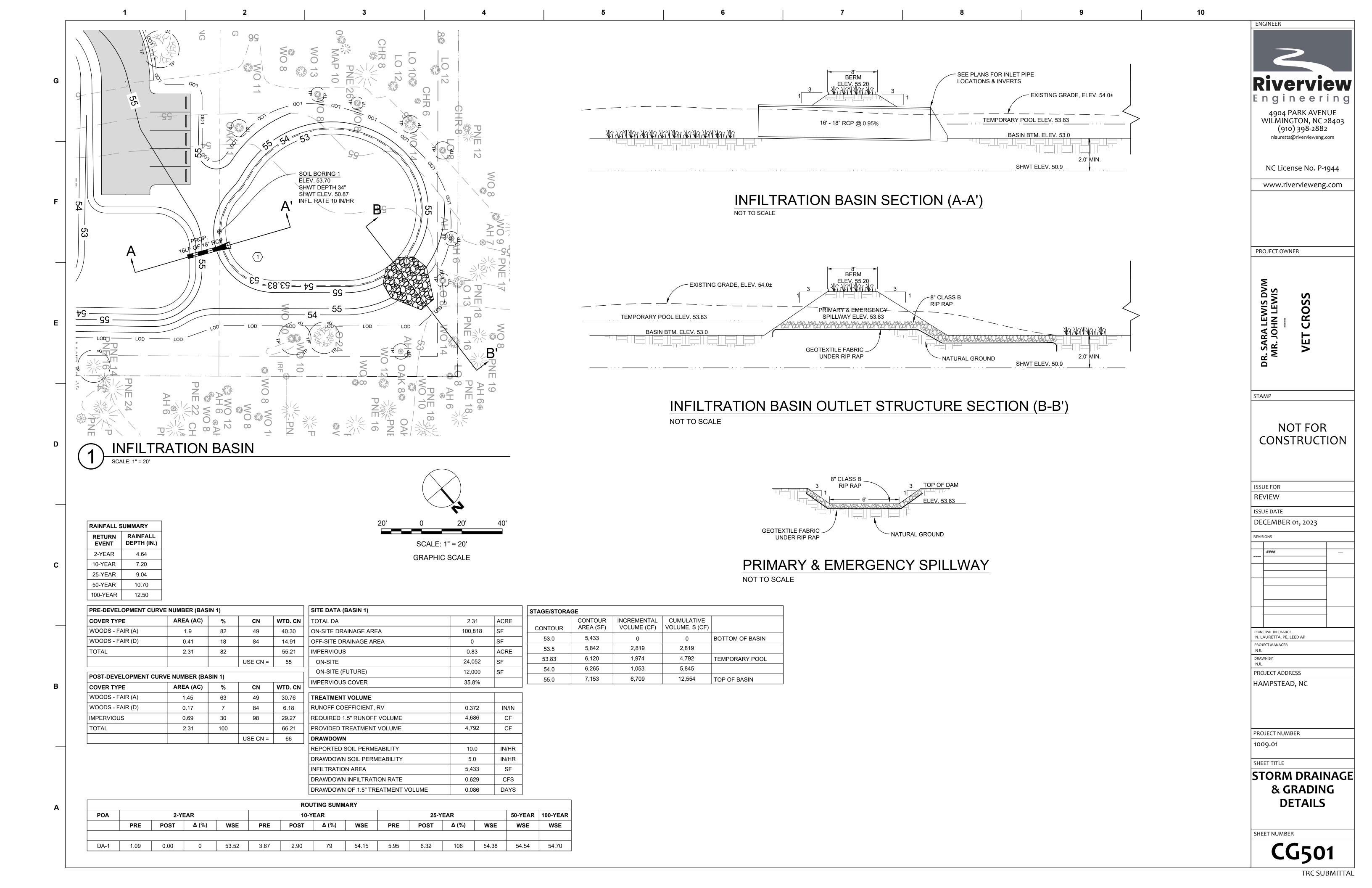
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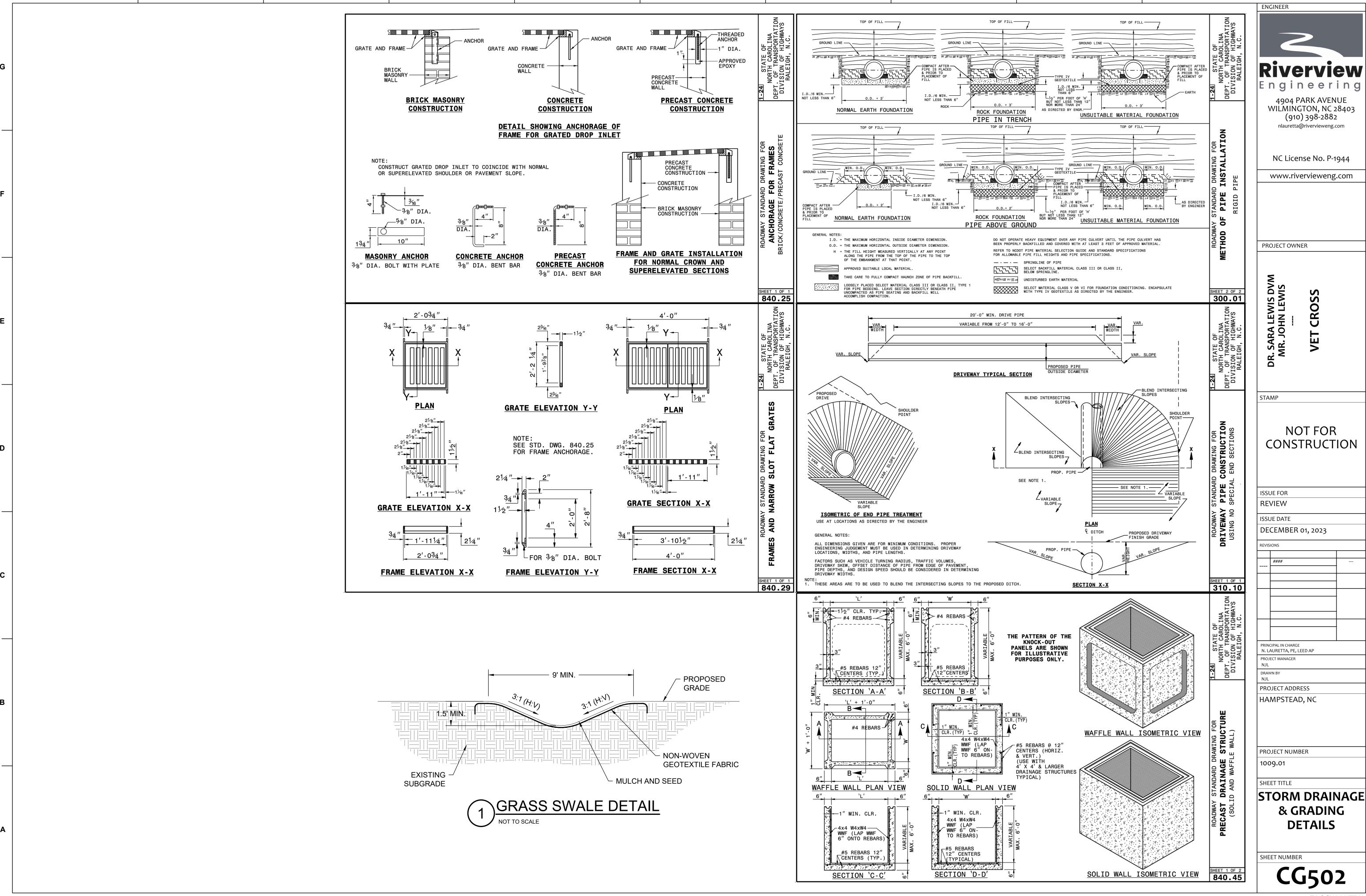
SEDIMENT & EROSION CONTROL DETAILS EFFECTIVE: 04/01/19

CE504

NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING







10

PCU STANDARD NOTES

- A PRE-CONSTRUCTION MEETING IS REQUIRED BEFORE BEGINNING WORK. THE MEETING MUST BE SCHEDULED WITH PENDER COUNTY UTILITIES (PCU) AT LEAST ONE WEEK IN ADVANCE. ATTENDEES MUST INCLUDE PCU, THE UTILITY CONTRACTOR'S SUPERINTENDENT, THE SUPPLIER, AND THE CONSULTING ENGINEER.
- 2. ALL MATERIALS USED SHALL CONFORM TO PENDER COUNTY UTILITIES REQUIREMENTS. NON-CONFORMING MATERIAL WILL NOT BE ACCEPTED FOR FINAL CERTIFICATION.
- 3. ALL PIPE SHALL BE C900 CR18 PVC, UNLESS OTHERWISE NOTED (SEE PCU STANDARD DETAIL). PCU MUST APPROVE THE USE OF DIP IN THE FIELD BEFORE INSTALLATION. PIPE SHOULD NEVER BE UNDER THE ROADWAY, PARKING LOT, OR SIDEWALKS. PENDER COUNTY UTILITIES DOES NOT ALLOW SIZE-ON-SIZE TAPS.
- 4. PCU STANDARD WATERLINE PIPE RESTRAINING METHOD IS MEGA LUGS. AT A MINIMUM ALL FITTINGS, VALVES, ETC. MUST BE RESTRAINED (SEE PCU STANDARD DETAIL).
- 5. PCU MUST INSPECT CASING INSTALLATIONS PRIOR TO BACKFILL. PCU MUST WITNESS PRESSURE TESTS, AND WITHDRAWAL OF BACTERIOLOGICAL SMAPLES. CONTACT PENDER COUNTY UTILITIES INSPECTOR TO SCHEDULE
- 6. CLOSE-OUT DOCUMENTS WHICH MUST BE RECEIVED PRIOR TO PCU SIGNING THE NCDEQ PWSS APPLICANT CERTIFICATION INCLUDE: BACTERIOLOGICAL TESTS, PRESSURE TESTS, DEED OF DEDICATION AFFIDAVIT/RELEASE OF LIENS, WARRANTY, AND RECORDS DRAWINGS (PDF & GIO REFERENCED CAD).
- 7. AN 18-MONTH WARRANTY PERIOD APPLIES TO ALL WATERLINE CONSTRUCTION. THIS WARRANTY PERIOD DOES NOT BEGIN UNTIL FINAL APPROVAL OF THE SYSTEM HAS BEEN RECEIVED FROM NCDEQ PWSS.

PENDER COUNTY UTILITIES 605 E FREMONT STREET PO BOX 995. BURGAW. NC 28425

CFPUA DETAIL DATE

01/01/2023

Stewardship, Sustainability, Service

SCALE: NOT TO SCALE

MIN./

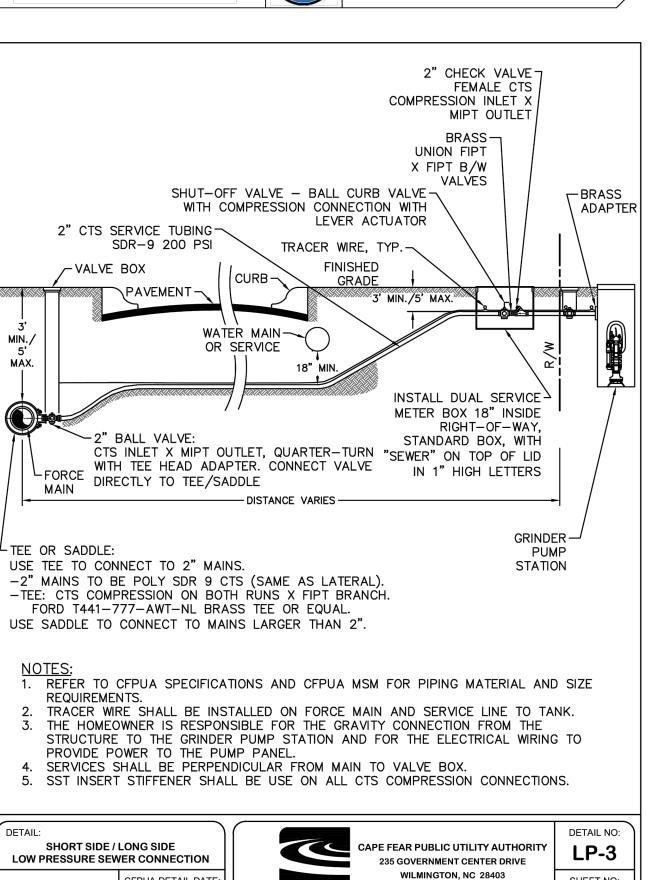
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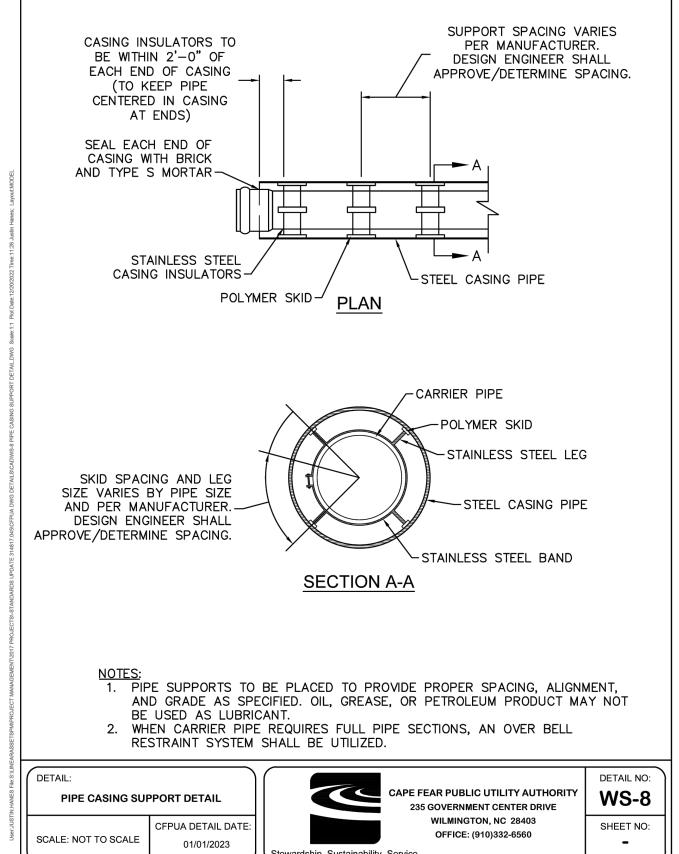


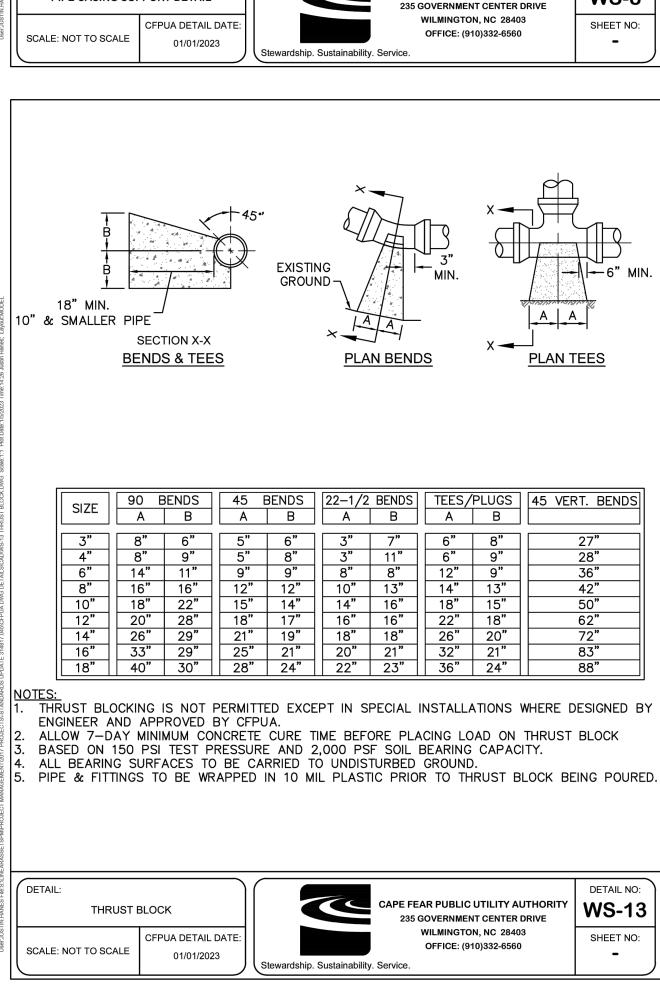
STANDARD NOTES **PCU WATER SYSTEMS** VERSION #4 - OCTOBER 2023

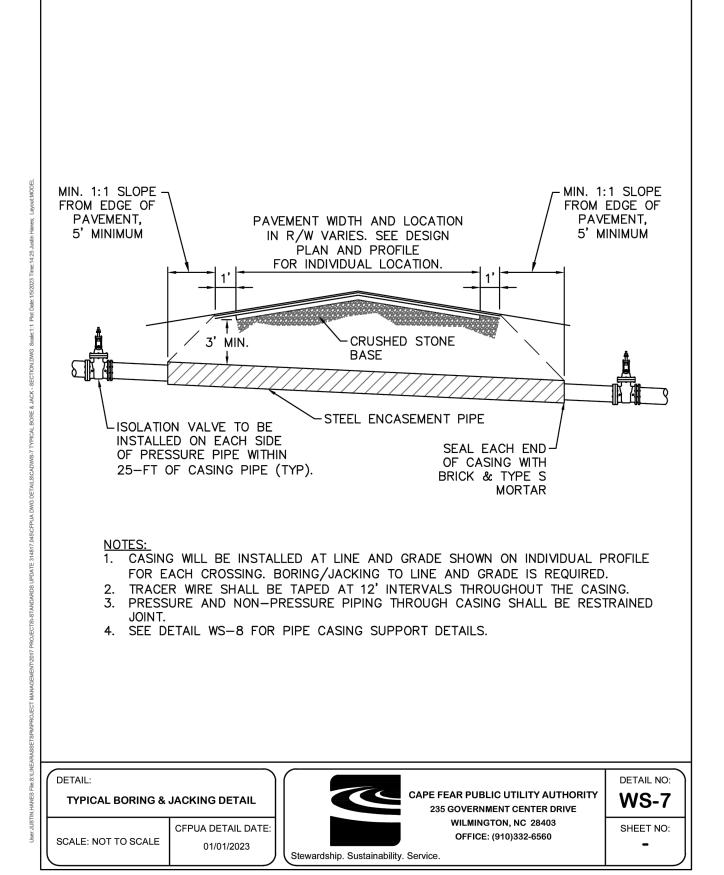
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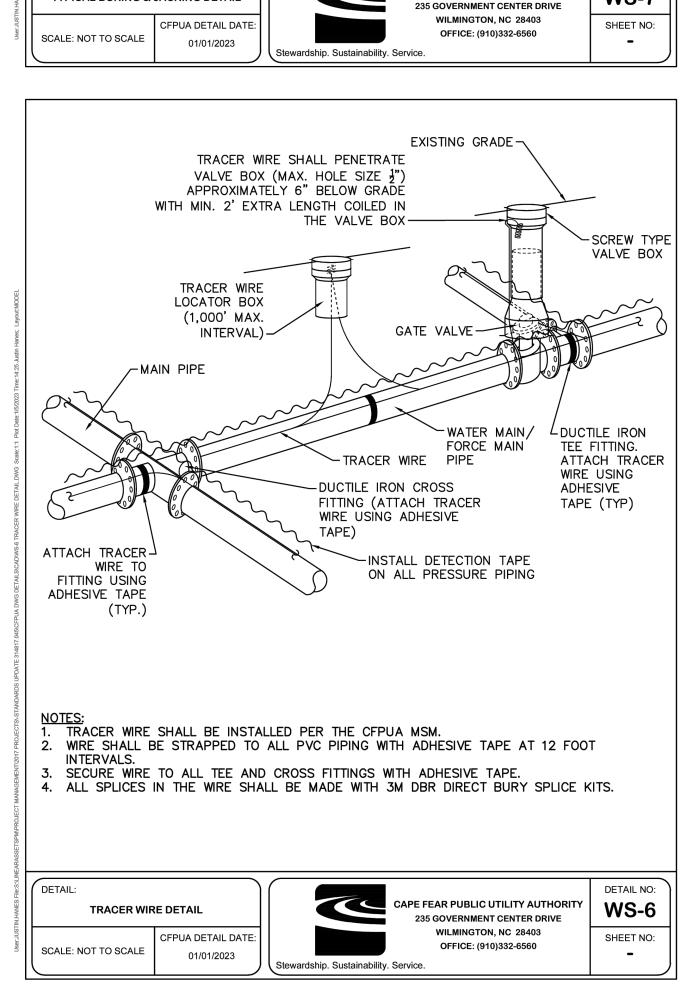
OFFICE: (910)332-6560

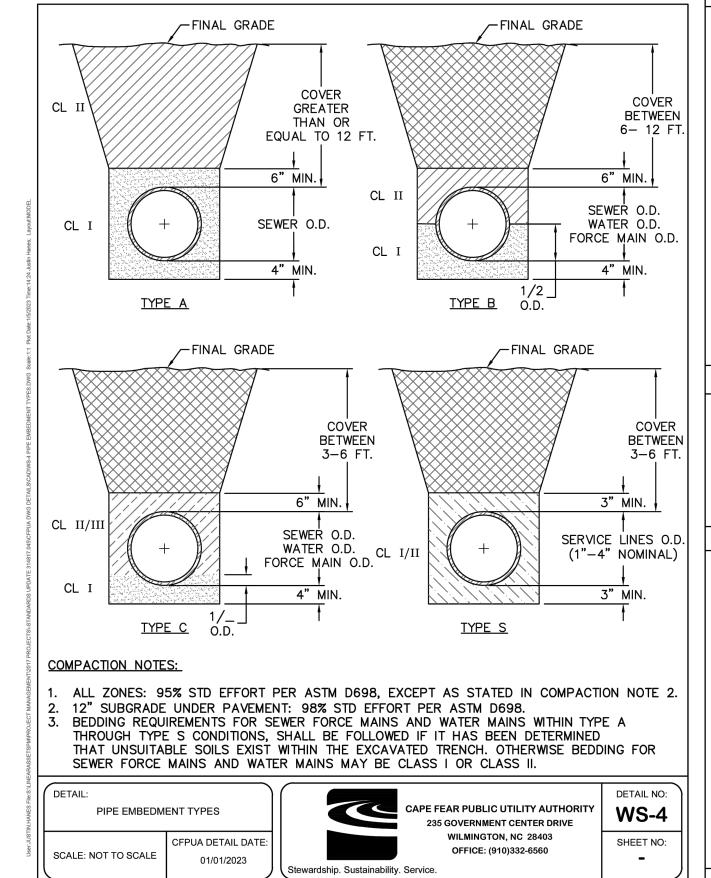


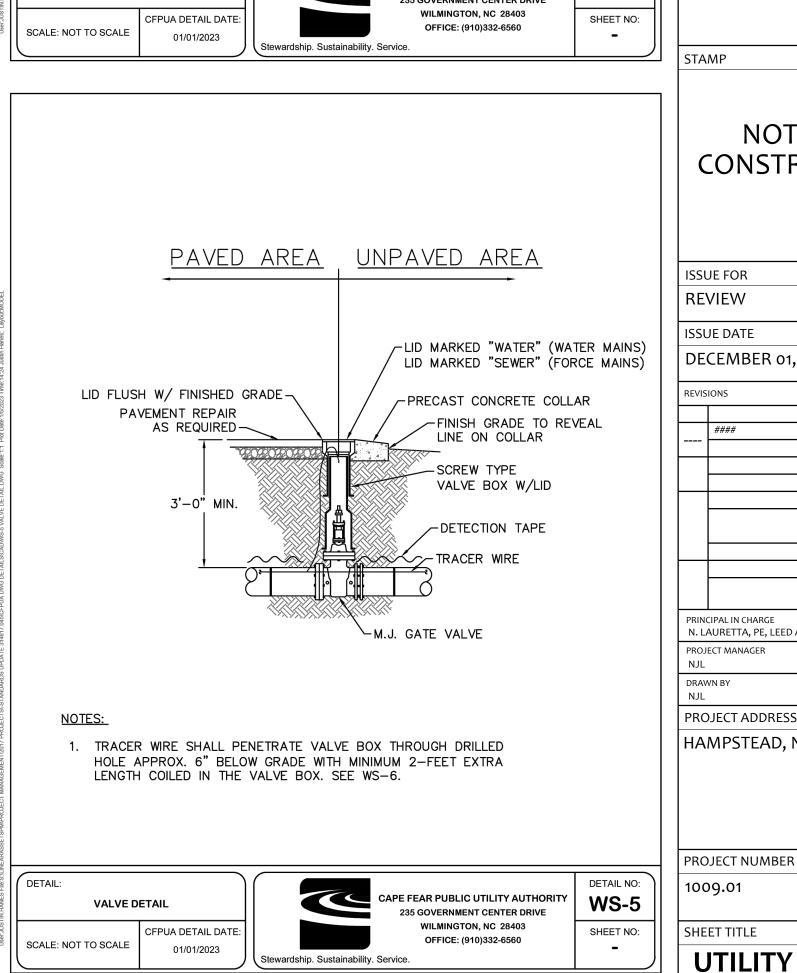


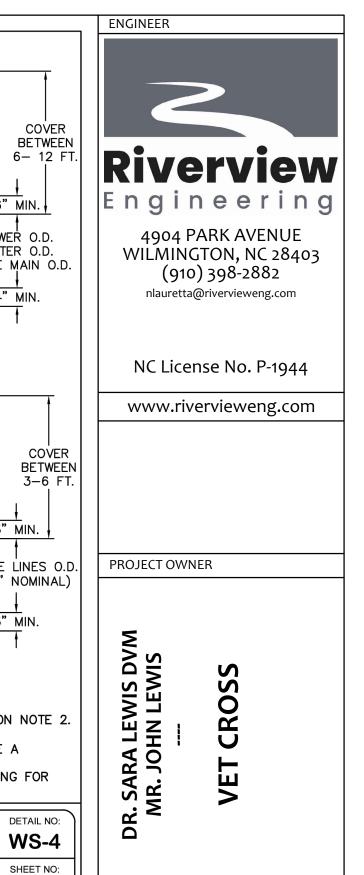




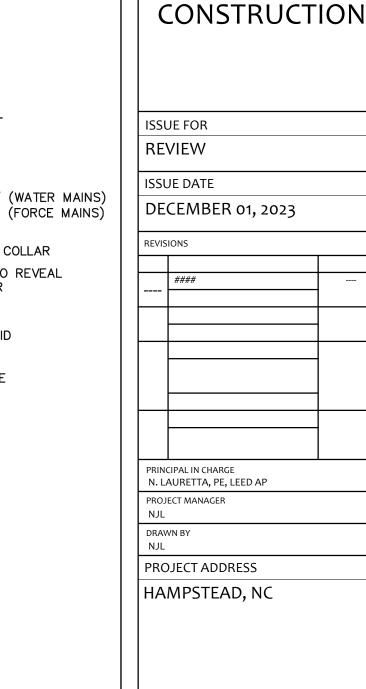






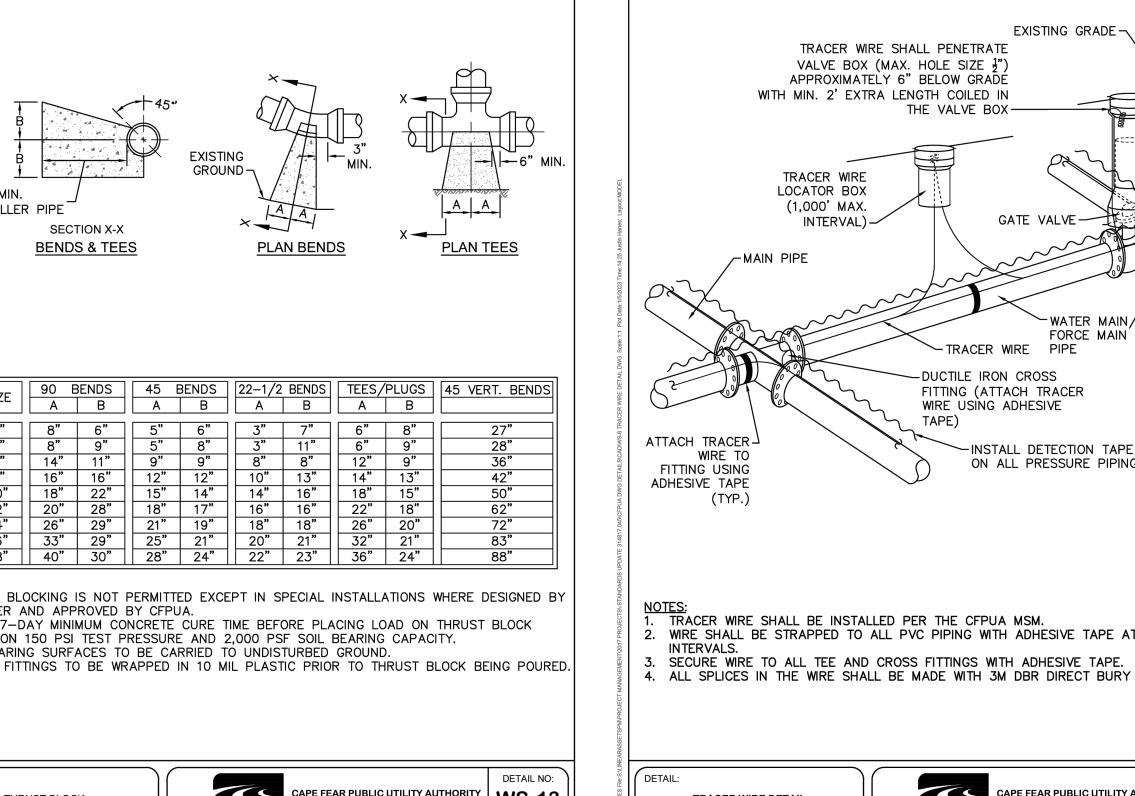


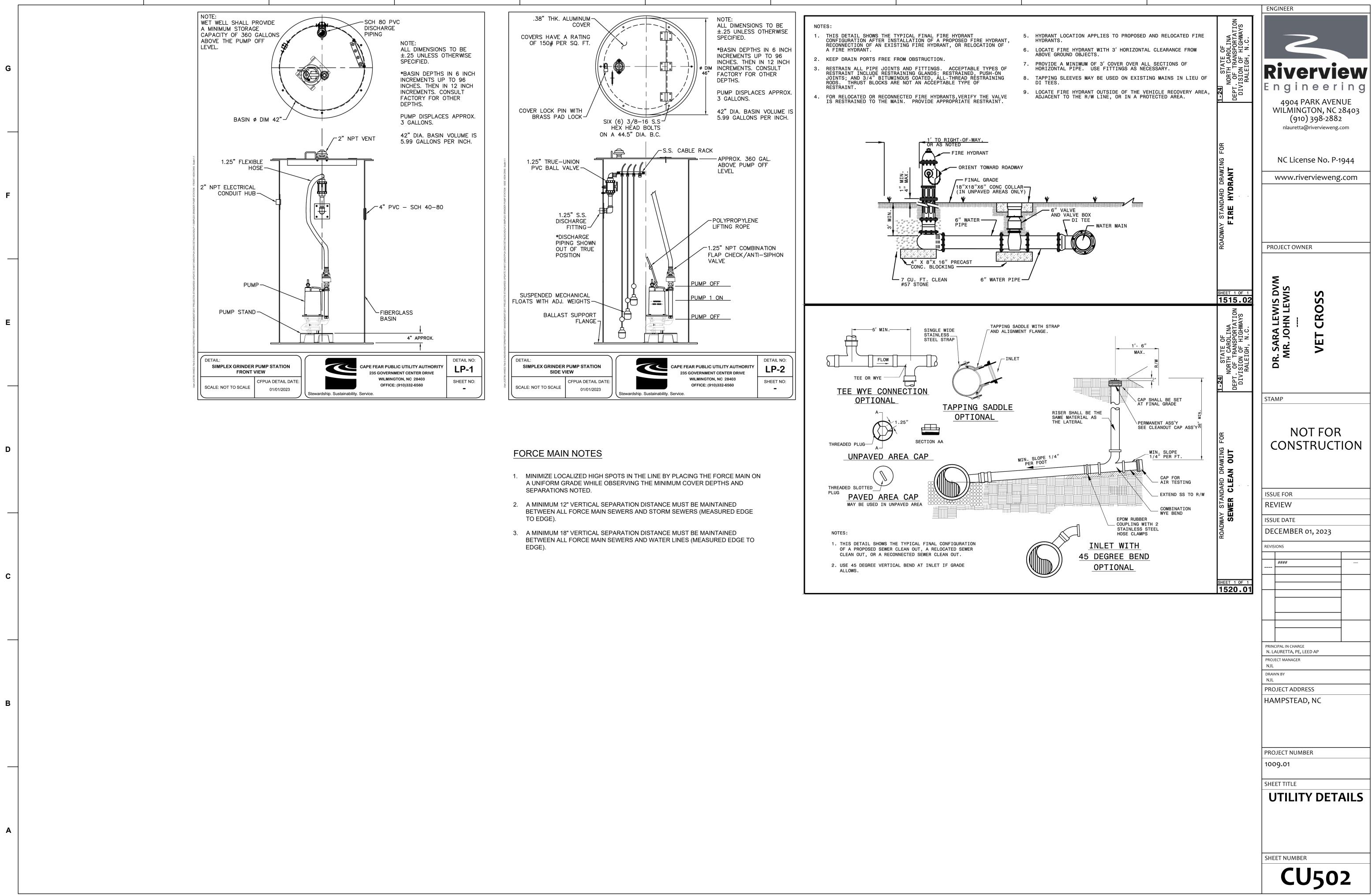
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UTILITY DETAILS

SHEET NUMBER





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