

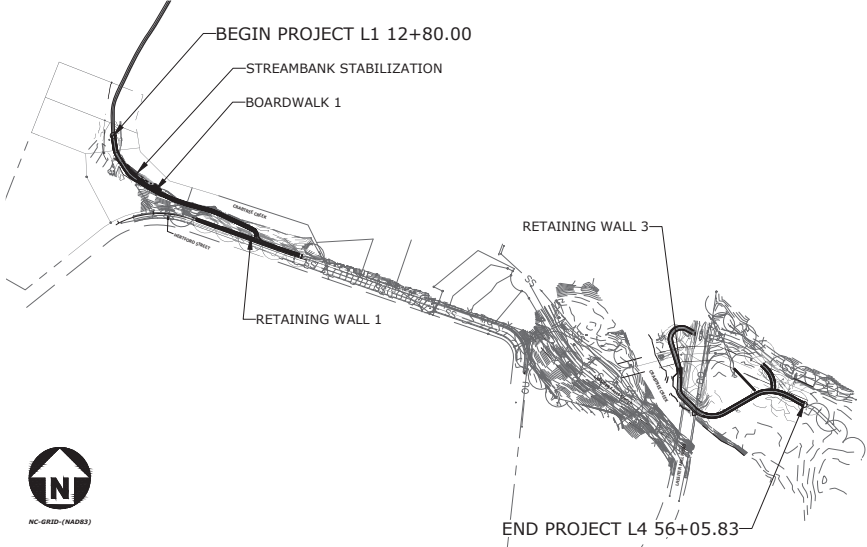
RALEIGH, WAKE COUNTY NORTH CAROLINA

CRABTREE CREEK GREENWAY LASSITER MILL

TYPE OF WORK:
GRADING, PAVING, STRUCTURE,
DRAINAGE,
& EROSION CONTROL

CITY OF RALEIGH #: SPR-0081-2025
TIP# BL-0027
WBS# 49611.3.1
FEDERAL AID# 0520129

VICINITY MAP



METHOD OF GRADING: CLEARING ON THIS PROJECT SHALL BE TO LIMITS ESTABLISHED USING METHOD II.

PROJECT LENGTH	DESIGN DATA	GRAPHIC SCALES
LENGTH OF ASPHALT = 0.13 MILES LENGTH OF CONCRETE = 0.19 MILES LENGTH OF BOARDWALK = 0.09 MILES TOTAL LENGTH OF PROJECT = 0.41 MILES	DESIGN SPEED = 10 MPH LEAN ANGLE = 20 DEGREES FUNC. CLASSIFICATION = TRANSPORTATION	<div>GRAPHIC SCALE HORIZONTAL 1 inch = 50 ft</div> <div>GRAPHIC SCALE PROFILE (HORIZONTAL) 1 inch = 50 ft</div> <div>GRAPHIC SCALE PROFILE (VERTICAL) 0 inch = 10 ft</div>

INDEX OF SHEETS

SHEET NO.	SHEET TITLE
1	COVER SHEET
1A	GENERAL NOTES
1B	CONVENTIONAL SYMBOLS
1C	STATEMENTS OF SPECIAL INSPECTION
2A-1 THRU 2A-2	TYPICAL SECTIONS
2B-1 THRU 2B-6	DETAILS
2C-1 THRU 2C-8	STREAMBANK STABILIZATION
3B AND 3D	SUMMARY SHEETS
4 THRU 11	PLAN & PROFILE SHEETS
T-1 THRU T-4	TREE SURVEY AND CRZ IMPACTS
TMP-1 THRU TMP-6	TRANSPORTATION MANAGEMENT PLANS
PMP-1 THRU PMP-3	PAVEMENT MARKING PLANS
EC-1 THRU EC-13	EROSION CONTROL SHEETS
SIGN-1 THRU SIGN-2	SIGNING PLANS
W-1 THRU W-5	RETAINING WALL SHEETS
S1-1 THRU S1-10	STRUCTURE SHEETS - BOARDWALK
S2-1 THRU S2-6	STRUCTURE SHEETS - LASSITER MILL RD BRIDGE
X-1A	CROSS SECTION INDEX
X-1 THRU X-8	CROSS SECTION SHEETS

Public Improvement Quantities

INFRASTRUCTURE INSPECTIONS QUANTITIES TABLE	PHASE 1	PHASE 2	PHASE 3
NUMBER OF LOTS(S)			
LOT NUMBER(S) BY PHASE			
NUMBER OF UNITS			
UNABLE BUILDINGS			
OPEN SPACE?			
NUMBER OF OPEN SPACE LOTS			
PUBLIC WATER (LF)			
PRIVATE WATER* (LF)			
PUBLIC SEWER (LF)			
PUBLIC FORCE MAIN (LF)			
PRIVATE SEWER** (LF)			
PUBLIC STREET (LF) - FULL			
PUBLIC STREET (LF) - PARTIAL			
PUBLIC SIDEWALK (LF) - FULL			
PUBLIC SIDEWALK (LF) - PARTIAL			
MULTI-USE PATH*** (LF)	2,365 LF		
PUBLIC STORMDRAIN (LF)			
STREET SIGN (LF)			
WATER SERVICE STUBS	5		
SEWER SERVICE STUBS			
AVERAGE DAILY FLOW PER PHASE****			

***** 10 or 12 ft wide path in lieu of sidewalk or a Multi-Use path in part of a development amenity
***** Stormwater Flow: Based on 100-year return period for residential (apartments, single family dwellings, townhouses, condos), or based on USA NCAC (2014) Stormwater Design Flow Rates for Commercial and Industrial.

RETAINING WALL SUMMARY			
Wall ID	Low Point Elevation	High Point Elevation	Sheet #
RW1	217.5	211	5
RW3	202	207.9	9

FENCE SUMMARY				
Fence Type	Plan Sheet	Length	Detail Sheet	Detail No.
Safety Rail	4	85'	2B-3	01
Safety Rail	5	273'	2B-3	01
Safety Rail	9	134'	2B-3	01
White Vinyl Fence	9	135'	2B-3	02

TRAFFIC CONTROL AND PEDESTRIAN PLAN (TCPED) NOTES:

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

Project Data Sheet

Planning and Development Customer Service Center | One S. Salisbury Pl., Suite 400 | Raleigh, NC 27601 | 919-996-2000

This form must be completed and applied to the cover sheet of drawings submitted with a Non-Residential building permit associated with a Site Permit Review, or permits for an apartment, office, and/or commercial uses.

Development Name: Crabtree Creek Greenway | Proposed Use: Greenway and Multi-use Path
Property Address(es): Lassiter Mill Rd, Hertford St, Crabtree Creek

Wake County Property Identification Number(s) (PIN) for each parcel to which these guidelines will apply:

PIN #	N/A	PIN #	N/A	PIN #	N/A
<input type="checkbox"/> Apartment	<input type="checkbox"/> Bank	<input type="checkbox"/> Congregate care	<input type="checkbox"/> Hospital	<input type="checkbox"/> Non-residential condos	<input type="checkbox"/> Retail
<input type="checkbox"/> Healthcare	<input type="checkbox"/> Industrial building	<input type="checkbox"/> Mixed residential	<input type="checkbox"/> Office	<input type="checkbox"/> Religious institution	<input type="checkbox"/> School
<input type="checkbox"/> Shopping center	<input type="checkbox"/> Single-family residential	<input type="checkbox"/> Telecommunication center	<input type="checkbox"/> Townhouse	<input type="checkbox"/> Civic use, Park, community center, museum or government facility	<input type="checkbox"/> Other

Scope of work: Grading, Paving, Drainage, Pavement Marking, Signing, Erosion Control, & Stream Restoration

FOR APARTMENTS, CONDOS AND TOWNHOMES ONLY

- Total number of townhouse lots: Number attached: Number detached:
- Total number of apartment or condominium units:
- Total number of Congregate Care or Life Care Dwelling units:
- Overall total number of dwelling units (from 1-3 above):
- Number of bedroom units: 1BR: 2BR: 3BR: 4BR or more:
- Overall units per acre developed per zoning district:

DEVELOPMENT TYPE AND SITE DATA TABLE (applicable to all developments)

Zoning district(s):	Building Information
1-4	Proposed use of building(s):
If more than one district, provide acreage of each:	Proposed sq. ft. of building(s) gross:
Overlay district(s):	Existing sq. ft. of building(s) gross:
Total site acreage: 3.12 ac	Total sq. ft. gross (existing and proposed):
Off-street parking: Required	Proposed height of building(s):
COA (Certificate of Appropriateness) case #:	FAR (floor area ratio) %:
BOA (Board of Adjustment) case #:	Building lot coverage %:
COA Conditional Use District case #:	Inside City Limits? Yes <input type="checkbox"/> No <input type="checkbox"/>

100% DRAWING - RELEASED FOR CONSTRUCTION


STORMWATER INFORMATION

Existing impervious surface: 0.74 (32.304) acres/square feet	Proposed impervious surface: 1.01 (43.867) acres/square feet
Drainage River buffer: Yes <input type="checkbox"/> No <input type="checkbox"/>	Wetlands: Yes <input type="checkbox"/> No <input type="checkbox"/>
Flood Hazard Area: Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes, Alluvial soils ???
Flood Study: Yes (FS 799)	FEMA Map Panel # 17201070500K
Total drained area: 3.12 (123.867) acres/square feet	

THE WORK INCLUDED IN THIS
SPR-0081-2025 WAS MODELED IN
LOCAL FLOOD STUDY FS 799.



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222 W. HARGETT STREET
SUITE 600
RALEIGH, NC 27601
919-996-3762
CONTACT:
LEXI YATES, PROJECT MANAGER

REVISIONS	
NO.	DATE
#1	06/03/2025 - 1st Reissued/Initial
#2	07/17/2025 - 2nd Reissued/Initial



GREENWAY ENGINEER
HYDRAULICS ENGINEER

CRABTREE CREEK GREENWAY BL-0027 LASSITER MILL LASSITER MILL ROAD TO HERTFORD STREET

PLAN INFORMATION
PROJECT NO. RAL-18000
FILENAME RAL18000_CS.dwg
CHECKED BY AH
DRAWN BY GDB
SCALE NTS
DATE 06/28/2025
CITY FILE NO. SPR-0081-2025

STATE OF NORTH CAROLINA, DIVISION OF HIGHWAYS
CONVENTIONAL PLAN SHEET SYMBOLS

BOUNDARIES AND PROPERTY:

State Line	-----
County Line	-----
Township Line	-----
City Line	-----
Reservation Line	-----
Property Line	-----
Existing Iron Pin	⊙
Computed Property Corner	⊙
Property Monument	⊙
Parcel/Sequence Number	23
Existing Fence Line	---x---x---x---
Proposed Woven Wire Fence	---o---o---o---
Proposed Chain Link Fence	---b---b---b---
Proposed Barbed Wire Fence	---d---d---d---
Existing Wetland Boundary	-----
Proposed Wetland Boundary	-----
Existing Endangered Animal Boundary	-----
Existing Endangered Plant Boundary	-----
Existing Historic Property Boundary	-----
Known Contamination Area: Soil	---s---s---s---
Potential Contamination Area: Soil	---s---s---s---
Known Contamination Area: Water	---w---w---w---
Potential Contamination Area: Water	---w---w---w---
Contaminated Site: Known or Potential	---s---s---s---

BUILDINGS AND OTHER CULTURE:

Gas Pump Vent or U/G Tank Cap	⊙
Sign	⊙
Wall	⊙
Small Mine	⊙
Foundation	⊙
Area Outline	⊙
Cemetery	⊙
Building	⊙
School	⊙
Church	⊙
Dam	⊙

HYDROLOGY:

Stream or Body of Water	-----
Hydro, Pool or Reservoir	-----
Jurisdictional Stream	-----
Buffer Zone 1	-----
Buffer Zone 2	-----
Flow Arrow	-----
Disappearing Stream	-----
Spring	-----
Wetland	-----
Proposed Lateral, Tail, Head Ditch	-----
False Sump	-----

RAILROADS:

Standard Gauge	-----
RR Signal Milepost	-----
Switch	-----
RR Abandoned	-----
RR Dismantled	-----

RIGHT OF WAY & PROJECT CONTROL:

Secondary Horiz and Vert Control Point	-----
Primary Horiz Control Point	-----
Primary Horiz and Vert Control Point	-----
Exist Permanent Easment Pin and Cap	-----
New Permanent Easment Pin and Cap	-----
Vertical Benchmark	-----
Existing Right of Way Marker	-----
Existing Right of Way Line	-----
New Right of Way Line	-----
New Right of Way Line with Pin and Cap	-----
New Right of Way Line with Concrete or Granite R/W Marker	-----
New Control of Access Line with Concrete C/A Marker	-----
Existing Control of Access	-----
New Control of Access	-----
Existing Easement Line	-----
New Temporary Construction Easement	-----
New Temporary Drainage Easement	-----
New Permanent Drainage Easement	-----
New Permanent Drainage / Utility Easement	-----
New Permanent Utility Easement	-----
New Temporary Utility Easement	-----
New Aerial Utility Easement	-----

ROADS AND RELATED FEATURES:

Existing Edge of Pavement	-----
Existing Curb	-----
Proposed Slope Stakes Cut	-----
Proposed Slope Stakes Fill	-----
Proposed Curb Ramp	-----
Existing Metal Guardrail	-----
Proposed Guardrail	-----
Existing Cable Guiderail	-----
Proposed Cable Guiderail	-----
Equality Symbol	-----
Pavement Removal	-----

VEGETATION:

Single Tree	-----
Single Shrub	-----

Hedge	-----
Woods Line	-----
Orchard	-----
Vineyard	-----

EXISTING STRUCTURES:

MAJOR:	-----
Bridge, Tunnel or Box Culvert	-----
Bridge Wing Wall, Head Wall and End Wall	-----
MINOR:	-----
Head and End Wall	-----
Pipe Culvert	-----
Footbridge	-----
Drainage Box: Catch Basin, DI or JB	-----
Paved Ditch Gutter	-----
Storm Sewer Manhole	-----
Storm Sewer	-----

UTILITIES:

POWER:	-----
Existing Power Pole	-----
Proposed Power Pole	-----
Existing Joint Use Pole	-----
Proposed Joint Use Pole	-----
Power Manhole	-----
Power Line Tower	-----
Power Transformer	-----
U/G Power Cable Hand Hole	-----
H-Frame Pole	-----
U/G Power Line LOS B (S.U.E.*)	-----
U/G Power Line LOS C (S.U.E.*)	-----
U/G Power Line LOS D (S.U.E.*)	-----

TELEPHONE:

Existing Telephone Pole	-----
Proposed Telephone Pole	-----
Telephone Manhole	-----
Telephone Pedestal	-----
Telephone Cell Tower	-----
U/G Telephone Cable Hand Hole	-----
U/G Telephone Cable LOS B (S.U.E.*)	-----
U/G Telephone Cable LOS C (S.U.E.*)	-----
U/G Telephone Cable LOS D (S.U.E.*)	-----
U/G Telephone Conduit LOS B (S.U.E.*)	-----
U/G Telephone Conduit LOS C (S.U.E.*)	-----
U/G Telephone Conduit LOS D (S.U.E.*)	-----
U/G Fiber Optics Cable LOS B (S.U.E.*)	-----
U/G Fiber Optics Cable LOS C (S.U.E.*)	-----
U/G Fiber Optics Cable LOS D (S.U.E.*)	-----

WATER:

Water Manhole	-----
Water Meter	-----
Water Valve	-----
Water Hydrant	-----
U/G Water Line LOS B (S.U.E.*)	-----
U/G Water Line LOS C (S.U.E.*)	-----
U/G Water Line LOS D (S.U.E.*)	-----
Above Ground Water Line	-----

TV:

TV Pedestal	-----
TV Tower	-----
U/G TV Cable Hand Hole	-----
U/G TV Cable LOS B (S.U.E.*)	-----
U/G TV Cable LOS C (S.U.E.*)	-----
U/G TV Cable LOS D (S.U.E.*)	-----
U/G Fiber Optic Cable LOS B (S.U.E.*)	-----
U/G Fiber Optic Cable LOS C (S.U.E.*)	-----
U/G Fiber Optic Cable LOS D (S.U.E.*)	-----

GAS:

Gas Valve	-----
Gas Meter	-----
U/G Gas Line LOS B (S.U.E.*)	-----
U/G Gas Line LOS C (S.U.E.*)	-----
U/G Gas Line LOS D (S.U.E.*)	-----
Above Ground Gas Line	-----

SANITARY SEWER:

Sanitary Sewer Manhole	-----
Sanitary Sewer Cleanout	-----
U/G Sanitary Sewer Line	-----
Above Ground Sanitary Sewer	-----
SS Forced Main Line LOS B (S.U.E.*)	-----
SS Forced Main Line LOS C (S.U.E.*)	-----
SS Forced Main Line LOS D (S.U.E.*)	-----

MISCELLANEOUS:

Utility Pole	-----
Utility Pole with Base	-----
Utility Located Object	-----
Utility Traffic Signal Box	-----
Utility Unknown U/G Line LOS B (S.U.E.*)	-----
U/G Tank; Water, Gas, Oil	-----
Underground Storage Tank, Approx. Loc.	-----
A/G Tank; Water, Gas, Oil	-----
Geoenvironmental Boring	-----
U/G Test Hole LOS A (S.U.E.*)	-----
Abandoned According to Utility Records	-----
End of Information	-----

1. 08/28/2025, 1:00 PM Greenway Construction Drawing Control Drawing 18000-N.dwg, 4/28/2025, 4:20:23 PM, J. Adams



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NO. DATE
#1 06/03/2025 - 1st Reissued
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HYDRAULICS ENGINEER

CRABTREE CREEK GREENWAY
BL-0027
LASSITER MILL
LASSITER MILL ROAD TO HERTFORD STREET

PLAN INFORMATION
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CHECKED BY --
DRAWN BY GDB
SCALE 1" = 50' / 1" = 10'
DATE 08/28/2025
CITY FILE NO. SPR-0081-2025

1B

100% DRAWING - RELEASED FOR CONSTRUCTION

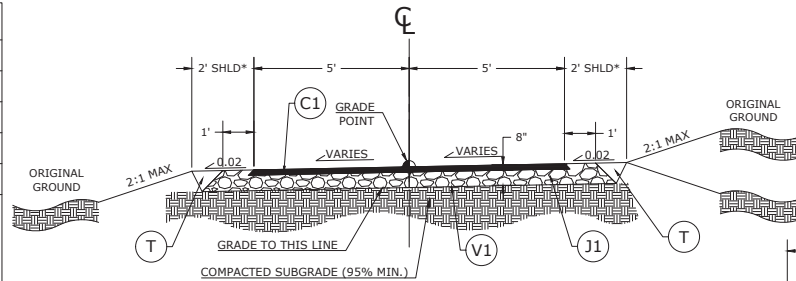
\\johnr.mcadams.com\18000\Greenway Construction\Drawings\2A-1.dwg, 01 Aug 2025 10:33:32 AM, 2A-1.dwg, 18000

PAVEMENT SCHEDULE

A1	PROPOSED 4.5" PORTLAND CEMENT CONCRETE PAVEMENT WITH WELDED WIRE MESH.
A2	PROPOSED 6" LIGHT-WEIGHT PORTLAND CEMENT CONCRETE PAVEMENT WITH WELDED WIRE MESH.
C1	PROPOSED 2" ASPHALT CONCRETE SURFACE COURSE, TYPE 59.5B, AT AN AVERAGE RATE OF 224 LBS.PER SQ.YD.
J1	PROPOSED 6" AGGREGATE BASE COURSE
V1	PROPOSED GEOTEXTILE SEPARATOR FABRIC
T	EARTH MATERIAL STRUCTURAL FILL SHOULD BE PLACED IN UNIFORM LIFTS OF 8 INCHES OR LESS (LOOSE MEASURE), AND COMPACTED TO AT LEAST 95 PERCENT OF MAXIMUM DRY DENSITY AND WITHIN 3 PERCENT OF THE OPTIMUM MOISTURE AS DEFINED BY THE STANDARD PROCTOR COMPACTION TEST. THE UPPER 12 INCHES OF THE STRUCTURAL FILL PLACED SHOULD BE COMPACTED TO 98 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY. TO CONFIRM THAT THE SPECIFIED DEGREE OF COMPACTION IS OBTAINED, FIELD DENSITY TESTING SHOULD BE PERFORMED IN EACH LIFT BY A SOILS TECHNICIAN. SEE PROJECT GEOTECH REPORT FOR MORE DETAILED INFORMATION

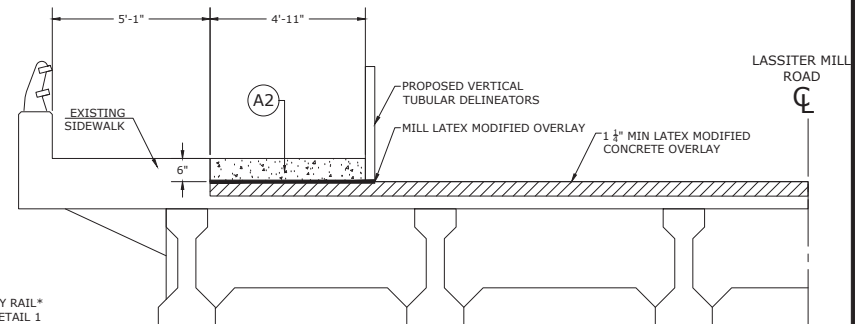
NOTES:

1. TRANSITION SUPERELEVATION AS SHOWN ON PLANS. TRANSITION DISTANCE SHALL BE 10' PER 1% CHANGE.
2. SHOULDERS TO MATCH CROSS SLOPE OF GREENWAY TRAIL.
3. PROVIDE SAFETY RAIL FOR THE FOLLOWING CIRCUMSTANCES:
SLOPE $\geq 3:1$ AND DROP OF 6'
SLOPE $\geq 2:1$ AND DROP OF 4'
SLOPE $\geq 1:1$ AND DROP OF 1'
4. CONTRACTOR IS RESPONSIBLE FOR RE-ESTABLISHING ALL SLOPES DISTURBED BY CONSTRUCTION.
5. *SHOULDERS SHALL BE INCLUDED IN THE SEEDING AND MULCHING.
6. ALL PROPOSED 2:1 SLOPES SHALL BE LINED WITH A COIR FIBER MAT FOR STABILIZATION.



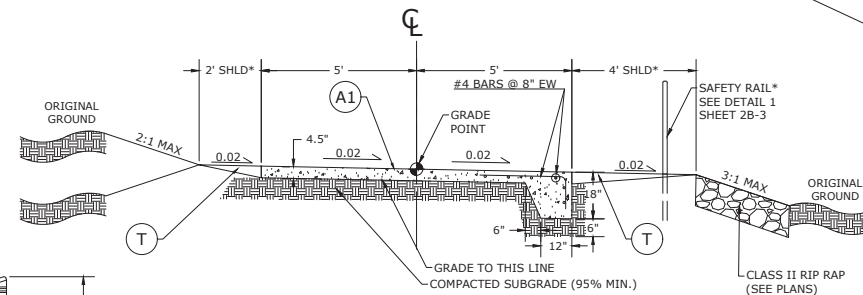
TYPICAL SECTION #1 - 10' ASPHALT MULTI-USE PATH
NOT TO SCALE

ALIGNMENT	BEGIN STATION	END STATION
-L1-	12+80.00	14+50.00
-L4-	52+40.00	56+05.83
-Y2-	10+05.00	11+04.37



TYPICAL SECTION #3 - 10' CONCRETE ON BRIDGE SIDEWALK
SEE STRUCTURAL SHEETS FOR ADDITIONAL DETAIL - NOT TO SCALE

ALIGNMENT	BEGIN STATION	END STATION
-L4-	44+32.00	46+24.00

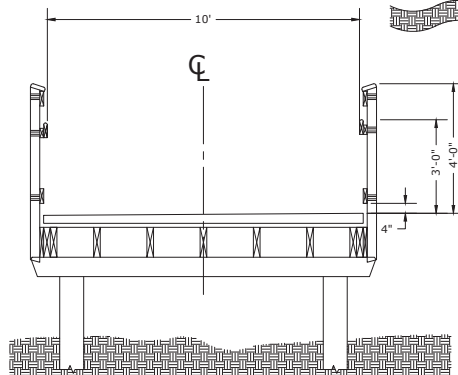


TYPICAL SECTION #2 - 10' CONCRETE MULTI-USE PATH WITH TURN-OUT
NOT TO SCALE

ALIGNMENT	BEGIN STATION	END STATION
-L4-	51+85.00	52+40.00

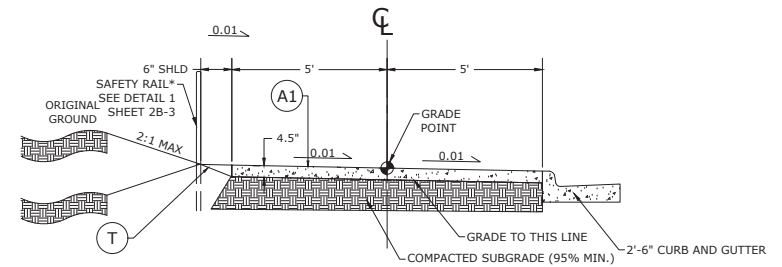
BOARDWALK APPROACH SLABS

ALIGNMENT	BEGIN STATION	END STATION
-L1-	14+50.00	14+60.00
-L1-	19+20.00	19+30.00



BOARDWALK TYPICAL SECTION
NOT TO SCALE

BOARDWALK NO.	ALIGNMENT	BEGIN STATION	END STATION
1	-L1-	14+60.00	19+20.00



TYPICAL SECTION #4 - 10' CONCRETE MULTI-USE PATH BEHIND CURB
NOT TO SCALE

ALIGNMENT	BEGIN STATION	END STATION
-L4-	44+12.00	44+32.00
-L4-	46+24.00	48+25.00



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GREENWAY ENGINEER



HYDRAULICS ENGINEER

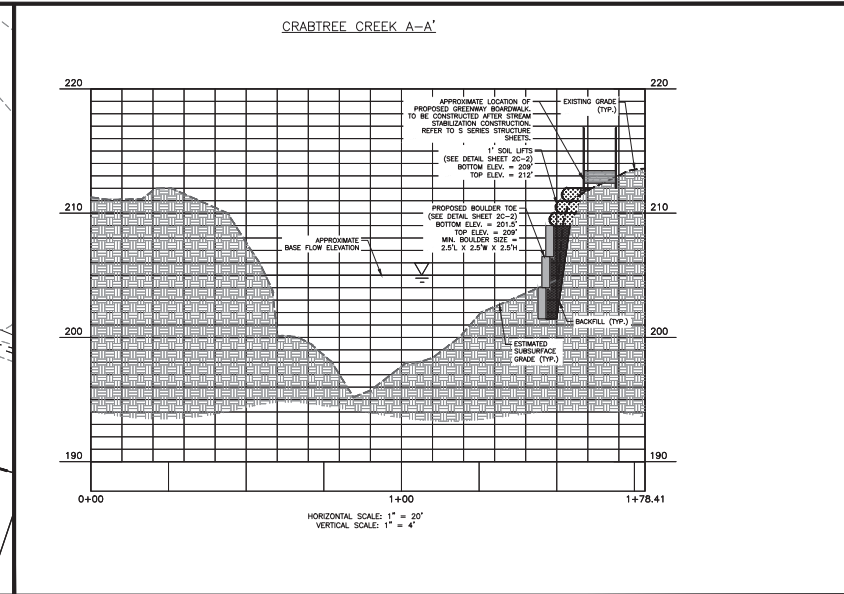
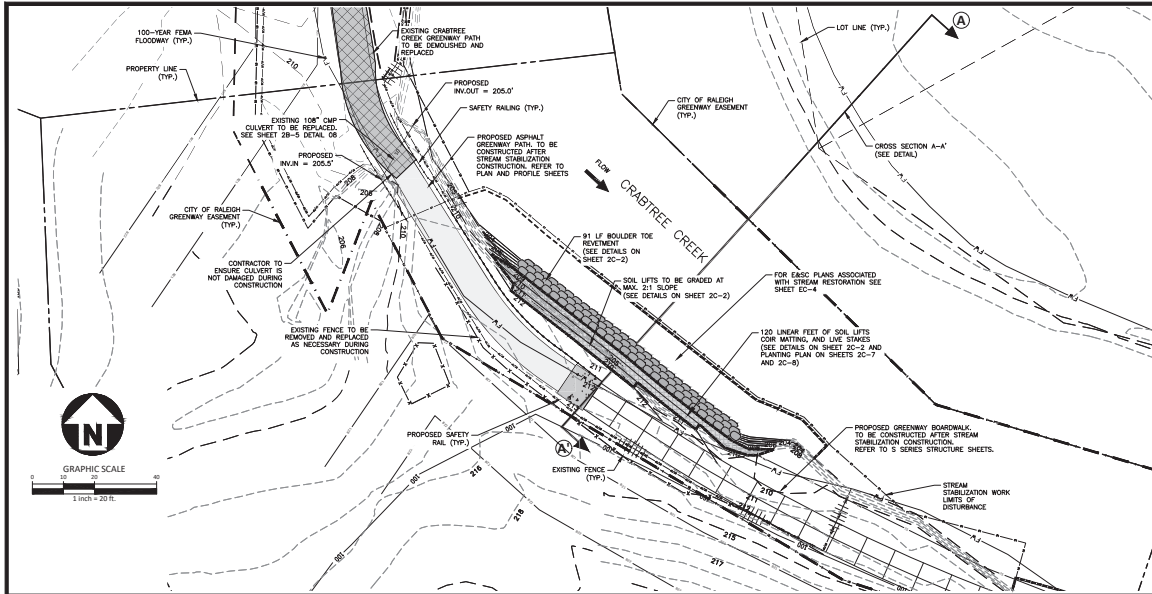
CRABTREE CREEK GREENWAY
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LASSITER MILL ROAD TO HERTFORD STREET

PLAN INFORMATION

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DRAWN BY GDB
SCALE 1" = 20' / 1" = 4'
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CITY FILE NO. SPR-0081-2025

2A-1

100% DRAWING - RELEASED FOR CONSTRUCTION



SITE LEGEND	
	SIGNAGE
	DRAINAGE FLOW ARROW
	SPOT ELEVATION
	CITY OF RALEIGH GREENWAY EASEMENT
	PROPERTY LINE
	LOT LINE
	EXISTING FENCE
	TREE PROTECTION FENCE
	LIMITS OF DISTURBANCE
	MAJOR CONTOUR
	MINOR CONTOUR
	EXISTING MINOR CONTOUR
	EASEMENT LINE
	STORM DRAINAGE
	STORM SERVICE LINE
	CLASS 1 RIPRAP
	BOULDER TOE REINFORCEMENT
	SOIL LIFTS
	EXISTING GREENWAY PATH TO BE REPLACED
	PROPOSED ASPHALT GREENWAY PATH
	PROPOSED GREENWAY BOARDWALK

GENERAL NOTES:

- CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE BUILDING CODES, ORDINANCES, AND LOCAL REGULATIONS.
- PROJECT LOCATED WITHIN FEMA SPECIAL FLOOD HAZARD AREA
STREAM NAME: CRABTREE CREEK
MAP #: 372017500K
EFFECTIVE DATE: 07/14/2023
FLOOD ZONES: FLOODWAY, AE, ZONE X
- ALL CONSTRUCTION SHALL CONFORM TO OR EXCEED REGULATIONS OF THE AMERICANS WITH DISABILITIES ACT AND OTHER APPLICABLE STANDARDS AND GOVERNING AUTHORITIES.
- ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ALL APPLICABLE LOCAL, STATE, AND FEDERAL AGENCIES AND REGULATIONS.
- CONTRACTOR IS REQUIRED TO MEET ALL APPLICABLE FEDERAL, OSHA, STATE AND LOCAL REGULATIONS CONCERNING PROJECT SAFETY AND ASSUMES RESPONSIBILITY FOR SAFETY ON THE PROJECT.
- CONTRACTOR SHALL PROTECT THE PUBLIC FROM CONSTRUCTION AREAS AND ASSOCIATED ACTIVITY DURING CONSTRUCTION. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS, FINAL RULE 29CFR PART 1926, SUBPART "F" APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH. EXCAVATION EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRES THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER, PROVIDED BY CONTRACTOR RESPONSIBLE FOR EXCAVATION.
- EQUIPMENT AND PRODUCTS OTHER THAN THOSE SPECIFIED MAY BE USED PROVIDED APPROVAL HAS BEEN OBTAINED FROM THE ENGINEER IN WRITING PRIOR TO ORDERING OR INSTALLATION. THE CONTRACTOR SHALL WAIVE ANY CLAIM FOR ADDITIONAL COST RELATED TO THE SUBSTITUTION OF ALTERNATE EQUIPMENT.
- CONTRACTOR SHALL MAINTAIN AN "AS-BUILT" SET OF DRAWINGS TO RECORD THE EXACT LOCATION OF STREAM STABILIZATION STRUCTURES. DRAWINGS SHALL BE GIVEN TO THE DESIGN ENGINEER UPON COMPLETION OF THE PROJECT.
- EXISTING IMPROVEMENTS SLATED TO REMAIN THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE REPLACED/RESTORED TO THEIR ORIGINAL CONDITION OR TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE BY THE CONTRACTOR RESPONSIBLE FOR THE DAMAGE.
- CONTRACTOR SHALL NOTIFY "NC811" (811) OR (1-800-632-4949) AT LEAST 3 FULL BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED. CONTRACTOR SHALL CONTACT ANY LOCAL UTILITIES THAT PROVIDE THEIR OWN LOCATOR SERVICES INDEPENDENT OF "NC811". REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE IMMEDIATELY.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATING CONSTRUCTION ACTIVITIES WITH THE APPROPRIATE UTILITY COMPANIES FOR ANY REQUIRED RELOCATION (I.E. POWER POLES, TELEPHONE PEDESTALS, WATER METERS, ETC.).
- EXISTING UTILITIES SHOWN ARE BASED ON FIELD SURVEYS AND THE BEST AVAILABLE RECORD DRAWINGS. THE CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO BEGINNING CONSTRUCTION. ANY DISCREPANCIES BETWEEN ACTUAL FIELD CONDITIONS AND THE PLANS SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE IMMEDIATELY.
- ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO CONTRACTOR FOR ANY WORK DONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
- CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION IS MINIMIZED.
- ALL DISTURBED AREAS TO BE SEEDING PER SCHEDULING ON SHEET 2C-8.
- PHASE 1 EROSION AND SEDIMENTATION CONTROL PLANS ASSOCIATED WITH THE STREAM RESTORATION CAN BE FOUND ON SHEET 2C-4.
- PHASE 2 EROSION AND SEDIMENTATION CONTROL PLANS ASSOCIATED WITH GREENWAY CONSTRUCTION CAN BE FOUND ON SHEETS 2C-5 THRU 2C-12.



ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CURRENT CITY OF RALEIGH ENGINEERING DESIGN AND CONSTRUCTION STANDARDS

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

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CONTACT:
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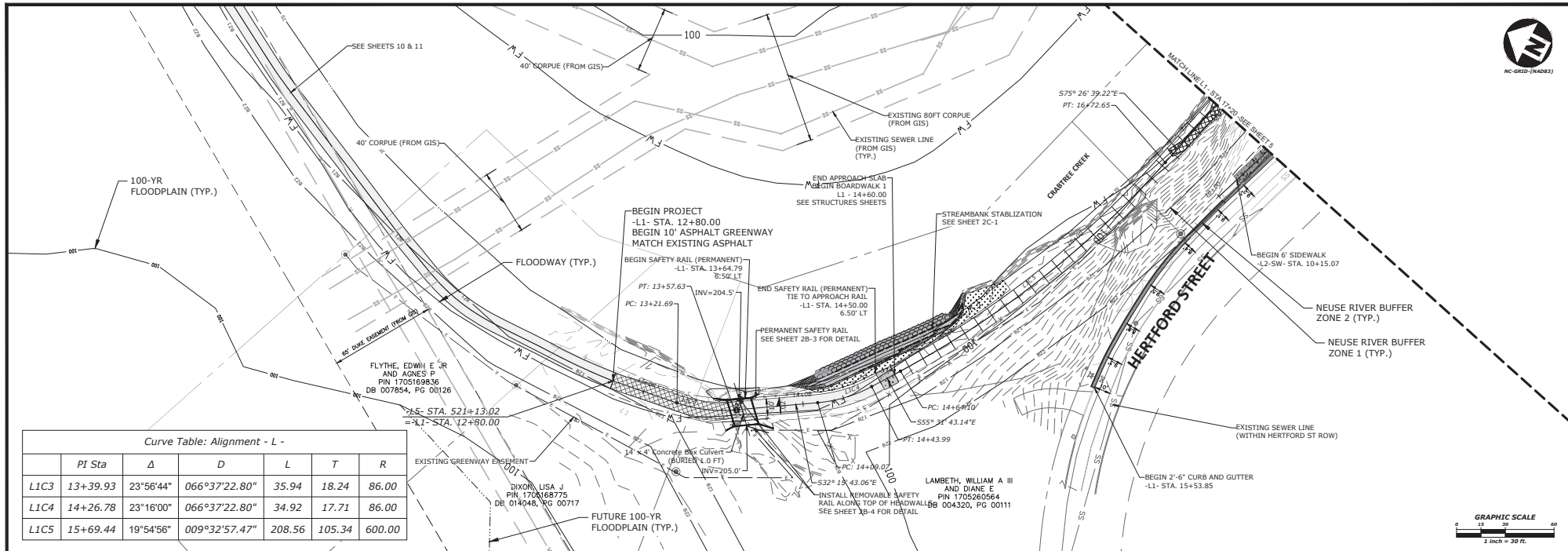
REVISIONS
NO. DATE
#1 06/03/2025 - 1st SPR Reasumittal
#2 07/21/2025 - 2nd SPR Reasumittal



CRABTREE CREEK GREENWAY
BL-0027
LASSITER MILL
LASSITER MILL ROAD TO HERTFORD STREET

PLAN INFORMATION
PROJECT NO. RAL-18000
FILENAME RAL18000-SW.dwg
CHECKED BY RAS
DRAWN BY KEG
SCALE 1" = 20'
DATE 08/28/2025
CITY FILE NO. SPR-0081-2025

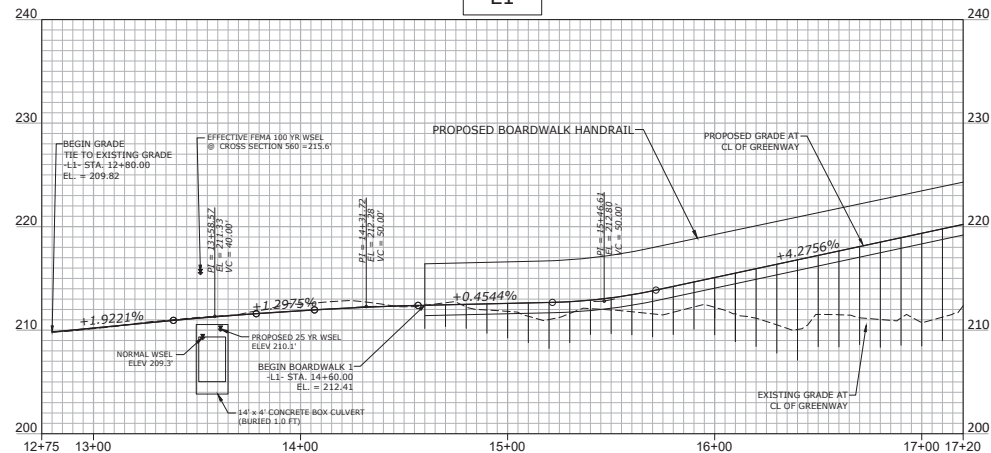
GRADING PLAN
2C-1



	PI Sta	Δ	D	L	T	R
L1C3	13+39.93	23°56'44"	066°37'22.80"	35.94	18.24	86.00
L1C4	14+26.78	23°16'00"	069°37'22.80"	34.92	17.71	86.00
L1C5	15+69.44	19°54'56"	009°32'57.42"	208.56	105.34	600.00

- L1 -

DRAINAGE AREA	= 150.2	ACRES
DESIGN FREQUENCY	= 25	YEAR
DESIGN DISCHARGE	= 275.4	CFS
DESIGN HW ELEVATION	= 210.1	FEET
100-YEAR DISCHARGE	= 320.5	CFS
100-YEAR HW ELEVATION	= 210.7	FEET
OVERTOPPING FREQUENCY	= 500	YEAR
OVERTOPPING DISCHARGE	= 364.0	CFS
OVERTOPPING ELEVATION	= 211.4	FEET



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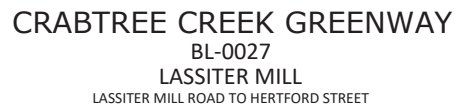
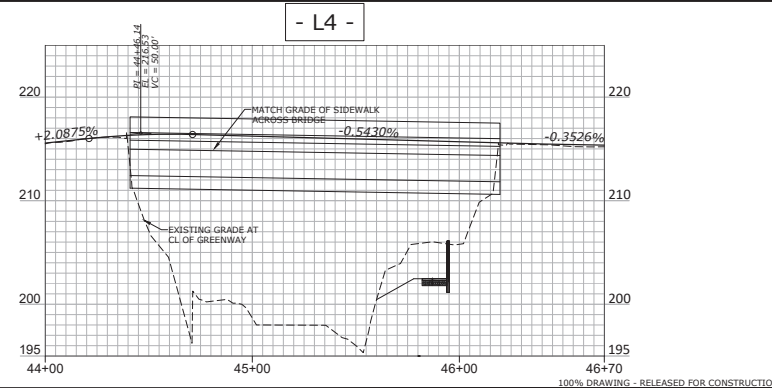
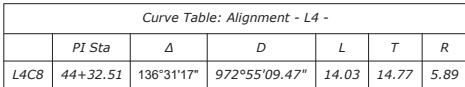
REVISIONS	
NO.	DATE
#1	06/03/2025 - 1st Resubmittal
#2	07/17/2025 - 2nd Resubmittal



HYDRAULICS ENGINEER

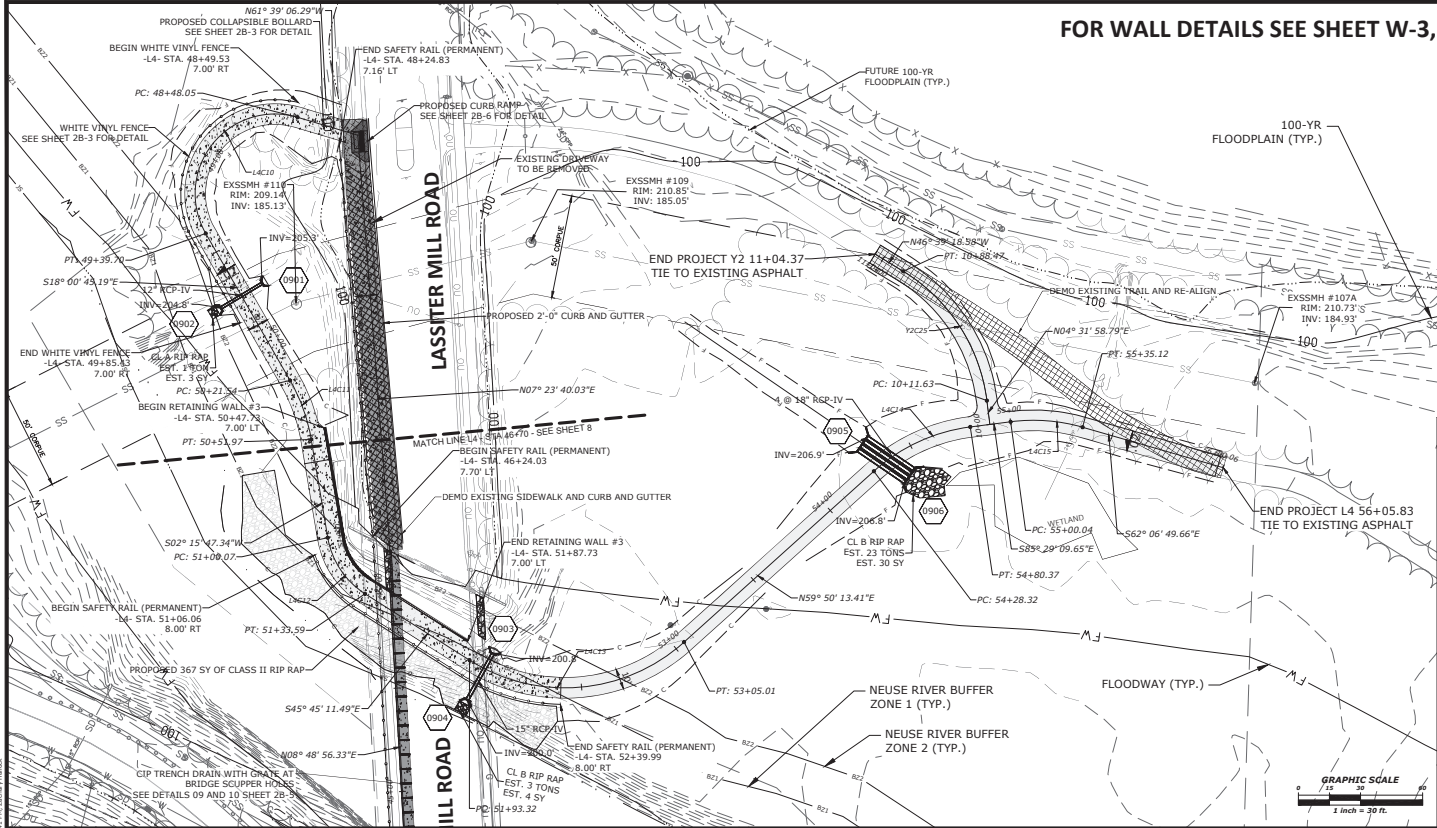
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8

FOR WALL DETAILS SEE SHEET W-3, FOR WALL ENVELOPE SEE SHEET W-4

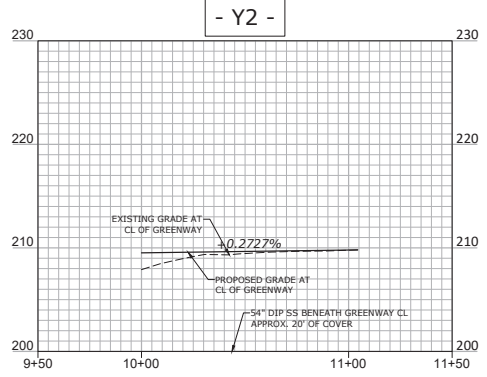


Curve Table: Alignment -L4-

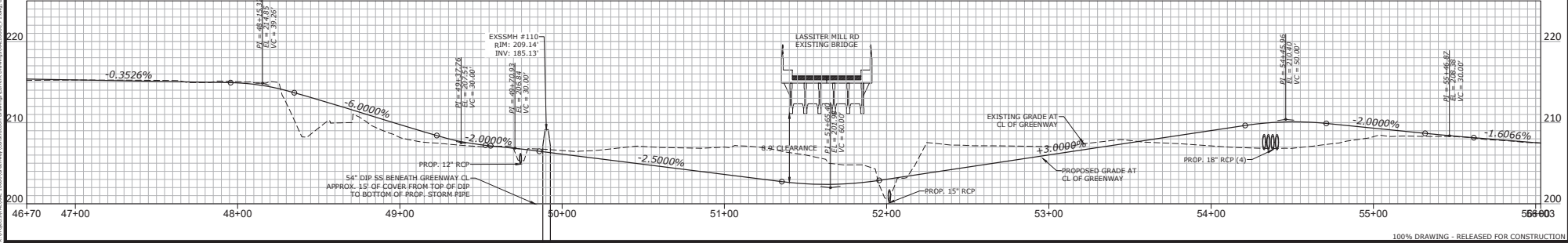
	PI Sta	Δ	D	L	T	R
L4C12	51+17.88	48°00'59"	143°14'22.02"	33.52	17.82	40.00
L4C13	52+58.61	74°24'35"	066°37'22.80"	111.69	65.29	86.00
L4C14	54+55.17	34°40'37"	066°37'22.80"	52.05	26.85	86.00
L4C15	55+17.82	23°22'20"	066°37'22.80"	35.08	17.79	86.00

Curve Table: Alignment -Y2-

	PI Sta	Δ	D	L	T	R
Y2C25	10+52.83	51°11'17"	066°37'22.80"	76.83	41.19	86.00



- L4 -



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REVISIONS

NO.	DATE	DESCRIPTION
#1	06/03/2025	1st Revisions
#2	07/17/2025	2nd Revisions

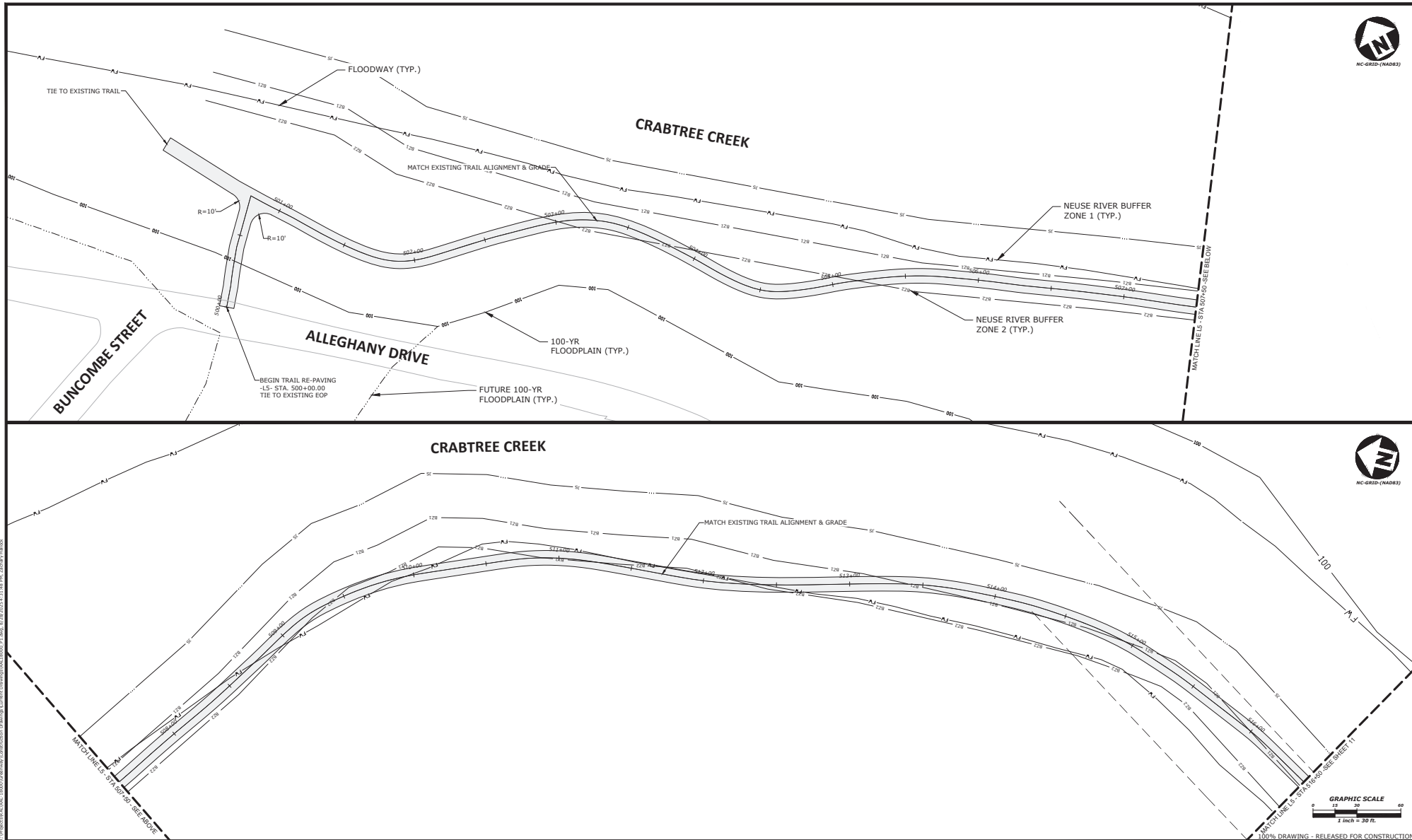
GREENWAY ENGINEER

HYDRAULICS ENGINEER

CRABTREE CREEK GREENWAY
BL-0027
LASSITER MILL
LASSITER MILL ROAD TO HERTFORD STREET

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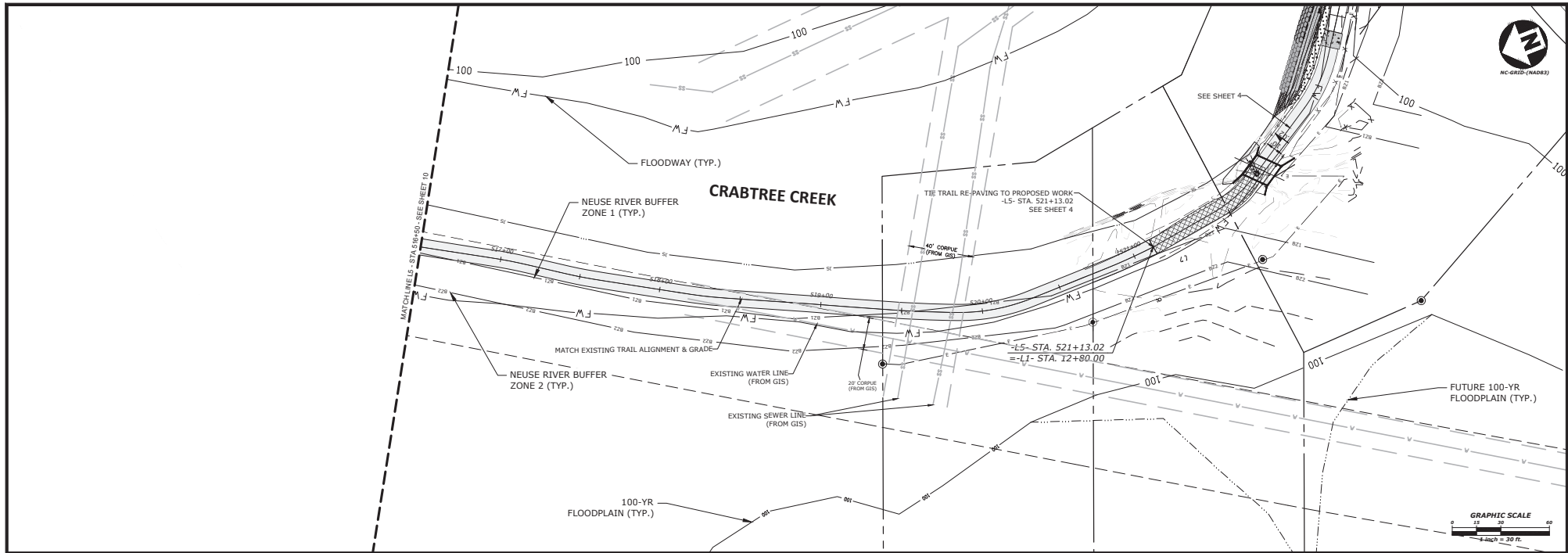
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GREENWAY ENGINEER
HYDRAULICS ENGINEER
PROFESSIONAL SEAL
042574
NORTH CAROLINA
ENGINEER
08/28/2025

CRABTREE CREEK GREENWAY
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GREENWAY ENGINEER HYDRAULICS ENGINEER

CRABTREE CREEK GREENWAY BL-0027 LASSITER MILL LASSITER MILL ROAD TO HERTFORD STREET

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