CONTRACT: DB00585 **TIP PROJECT: HS-2002L/SM-6102B**

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	HS-2002L/SM-6102B	1	19

STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
49300.3.15		HS-2002L CONST.
50597		SM-6102B PE
50597		SM-6102B CONST.

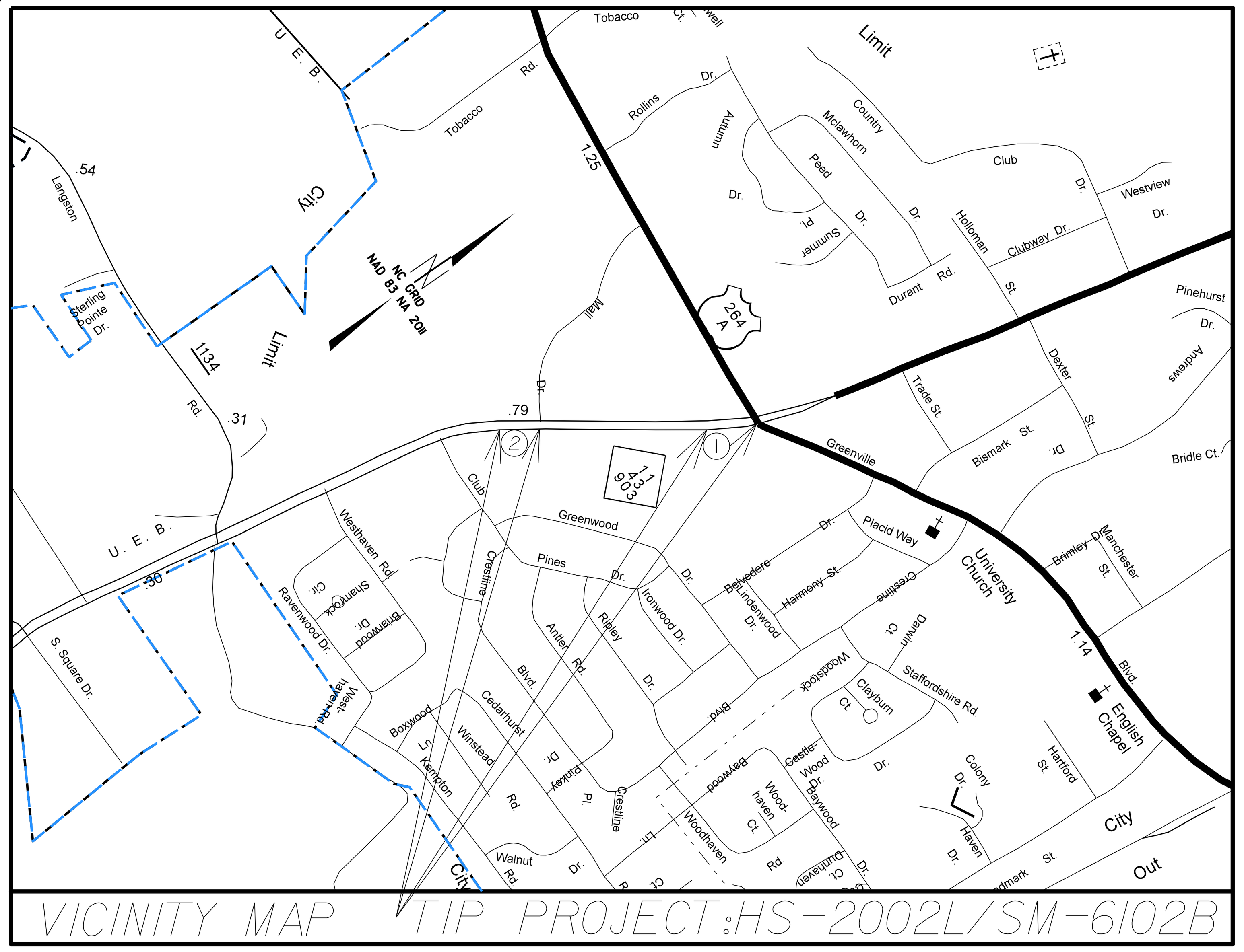
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

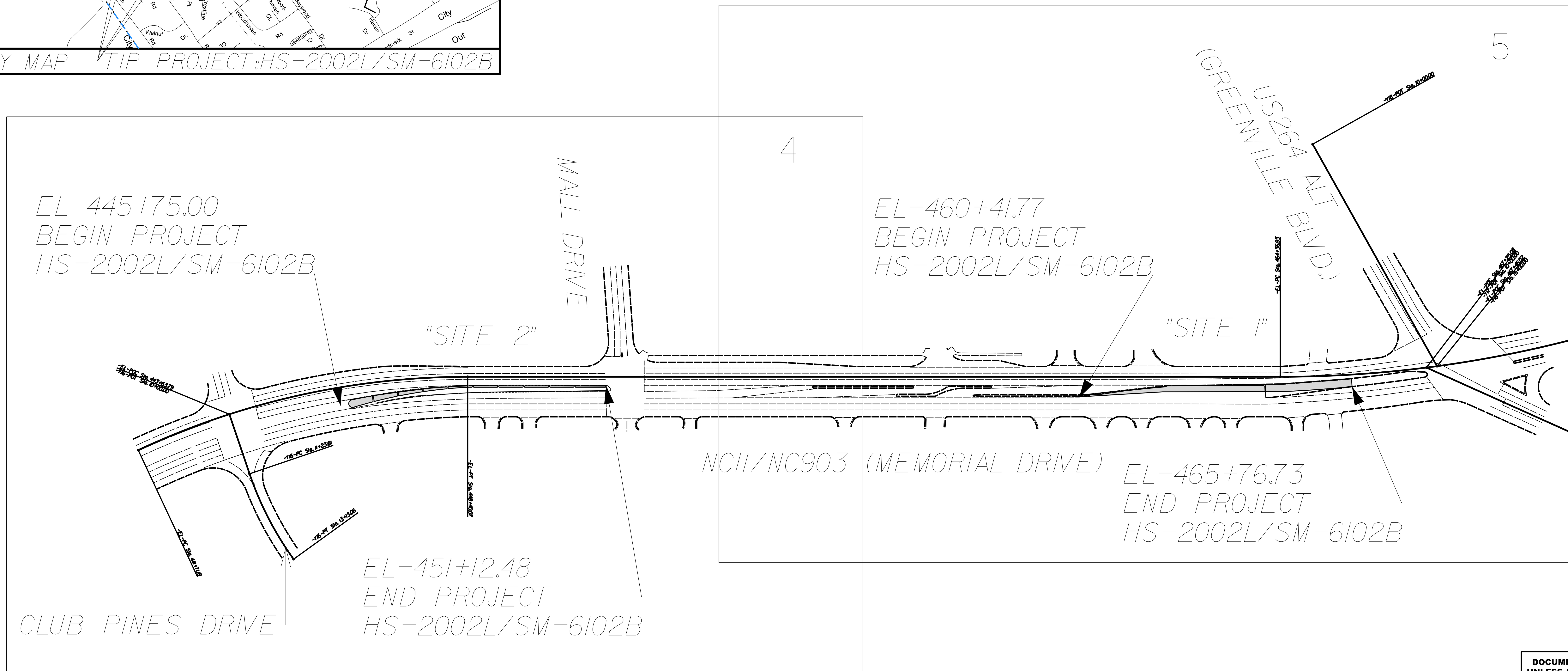
PITT COUNTY

NC GRID NAD 83 NA 2011

LOCATION: NC11 /NC903 (MEMORIAL DRIVE)
GREENVILLE

TYPE OF WORK: (1) NC11/NC903 (MEMORIAL DRIVE) AT US264 ALT (GREENVILLE BLVD.
EXTEND THE NORTHBOUND LEFT TURN LANE ON NC11/NC903
(2) NC11/NC903 (MEMORIAL DRIVE) AT MALL DRIVE
CONSTRUCT A SECOND NORTHBOUND LEFT TURN LANE ON NC11/NC903





See Sheet 1A For Index of Sheets

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

GRAPHIC SCALES

50 25 0 50 100
PLANS

0
PROFILE (HORIZONTAL)

0
PROFILE (VERTICAL)

DESIGN DATA

ADT =
ADT =
K = %
D = %
T = % *
V = MPH
* TTST = DUAL
FUNC CLASS =
TIER

PROJECT LENGTH

TIP PROJECT: HS-2002L/SM-6102B "SITE 1" LENGTH = 0.101 MI
TIP PROJECT: HS-2002L/SM-6102B "SITE 2" LENGTH = 0.101 MI
TIP PROJECT: HS-2002L/SM-6102B TOTAL LENGTH = 0.202 MI

Prepared In the Office of:
DIVISION OF HIGHWAYS
1037 WH SMITH BLVD., GREENVILLE, NC 27835

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: N/A

LETTING DATE: NOVEMBER 2023

HEATHER C. LANE, PE
PROJECT ENGINEER

RICH GODLEY
PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER
DocuSigned by: Heather C. Lane
A1154E9594D7468...
SIGNATURE: P.E. 10/04/2023
NORTH CAROLINA PROFESSIONAL SEAL 042582 ENGINEER HEATHER C. LANE

ROADWAY DESIGN ENGINEER
DocuSigned by: Heather C. Lane
A1154E9594D7468...
SIGNATURE: P.E. 10/04/2023
NORTH CAROLINA PROFESSIONAL SEAL 042582 ENGINEER HEATHER C. LANE

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

09/08/99
26-SEP-2023 12:03
G:\PROJECTS\PITT\HS-2002L_SM-6102B_NC11_MallDrive to US 264A\HS-2002L_SM-6102B_psh 1.dgn
$$$$USERNAME$$$$

8/17/99

PROJECT REFERENCE NO.	SHEET NO.
HS-2002L/SM-6102B	1A

INDEX OF SHEETS

SHEET NUMBER	SHEET
1	TITLE SHEET
1A	INDEX OF SHEETS, GENERAL NOTES, AND STANDARD DRAWINGS
1B	CONVENTIONAL SYMBOLS
2	PAVEMENT SCHEDULE AND TYPICAL SECTIONS
2B	CONCRETE ISLAND LAYOUT DETAIL
3A	DRAINAGE AND EARTHWORK SUMMARIES
RW02-C	SURVEY CONTROL SHEET
4 THRU 5	PLAN SHEETS
TMP-1	TRANSPORATION OPERATIONS STRATEGIES AND NOTES
PMP-1 THRU PMP-2	PAVEMENT MARKING PLANS
EC-4	EROSION CONTROL PLANS
X-1A	CROSS-SECTION SUMMARY SHEET
X-1 THRU X-5	CROSS-SECTIONS

GENERAL NOTES:

2018 SPECIFICATIONS
EFFECTIVE: 01-16-2018
REVISED:

GRADE LINE:
GRADING AND SURFACING:

THE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED SURFACING AT GRADE POINTS SHOWN ON THE TYPICAL SECTIONS. GRADE LINES MAY BE ADJUSTED AT THEIR BEGINNING AND ENDING AND AT STRUCTURES AS DIRECTED BY THE ENGINEER IN ORDER TO SECURE A PROPER TIE-IN.

SHOULDER CONSTRUCTION:

ASPHALT, EARTH, AND CONCRETE SHOULDER CONSTRUCTION ON THE HIGH SIDE OF SUPERELEVATED CURVES SHALL BE IN ACCORDANCE WITH STD. NO. 560.02

SUBSURFACE PLANS:

NO SUBSURFACE PLANS ARE AVAILABLE ON THIS PROJECT. THE CONTRACTOR SHOULD MAKE HIS OWN INVESTIGATION AS TO THE SUBSURFACE CONDITIONS.

UTILITIES:

UTILITY OWNERS ON THIS PROJECT ARE:

AT&T
BRIGHTSPEED (FORMALLY CENTURYLINK)
CROWN CASTLE
CONTERRA ULTRA BROADBAND
PIEDMONT NATURAL GAS
CITY OF GREENVILLE PUBLIC WORKS
GREENVILLE UTILITIES COMMISSION
METRONET
OPTIMUM (FORMALLY SUDDENLINK COMMUNICATIONS)
VERIZON WIRELESS

ALL UTILITIES SHOWN IN THESE PLANS ARE FROM FIELD MARKINGS LOCATES AND/OR PLAN OF RECORDS PROVIDED BY OWNERS

SIGNALS:

NC11/NC903 (MEMORIAL DRIVE) AT MALL DRIVE:
PROPOSED SECOND NORTH BOUND LEFT TURN LANE ONTO MALL DRIVE REQUIRES THE ADDITION OF A SIGNAL HEAD.
THIS WORK WILL BE ACCOMPLISHED BY NCDOT TRAFFIC SERVICES. COORDINATION WITH THE DEPARMENT IS REQUIRED.

SIGNAGE:

FINAL SIGNAGE WILL BE PREFORMED BY NCDOT TRAFFIC SERVICES. COORDINATION WITH THE DEPARTMENT IS REQUIRED.

EFF. 01-16-2018
REV.

2018 ROADWAY ENGLISH STANDARD DRAWINGS

The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch - N. C. Department of Transportation - Raleigh, N. C., Dated January, 2018 are applicable to this project and by reference hereby are considered a part of these plans:

STD.NO.	TITLE
DIVISION 2 - EARTHWORK	
225.02	Guide for Grading Subgrade - Secondary and Local
225.05	Method of Obtaining Superelevation - Divided Highways
DIVISION 3 - PIPE CULVERTS	
300.01	Method of Pipe Installation
DIVISION 5 - SUBGRADE, BASES AND SHOULDERS	
560.02	Method of Shoulder Construction - High Side of Superelevated Curve - Method II
DIVISION 6 - ASPHALT BASES AND PAVEMENTS	
654.01	Pavement Repairs
DIVISION 8 - INCIDENTALS	
840.00	Concrete Base Pad for Drainage Structures
840.15	Brick Drop Inlet - 12" thru 30" Pipe
840.22	Frames and Wide Slot Sag Grates
840.32	Brick Junction Box - 12" thru 66" Pipe
840.54	Manhole Frame and Cover
852.02	Concrete Mountable Median
DIVISION 11 - WORK ZONE TRAFFIC CONTROL	
1101.01	WORK ZONE ADVANCE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
DIVISION 12 - PAVEMENT MARKINGS, MARKERS AND DELINEATION	
1205.1	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.2	PAVEMENT MARKINGS - DIVIDED AND UNDIVIDED ROADWAYS
1205.4	PAVEMENT MARKINGS - INTERSECTIONS
1205.5	PAVEMENT MARKINGS - TURN LANES
1205.8	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
DIVISION 16 - EROSION CONTROL AND ROADSIDE DEVELOPMENT	
1605.01	TEMPORARY SILT FENCE
1632.03	ROCK INLET SEDIMENT TRAP TYPE C

12/2/2016

PROJECT REFERENCE NO.	SHEET NO.
HS-2002L/SM-6102B	1B

STATE OF NORTH CAROLINA, DIVISION OF HIGHWAYS

CONVENTIONAL PLAN SHEET SYMBOLS

Note: Not to Scale **S.U.E. = Subsurface Utility Engineering*

BOUNDARIES AND PROPERTY:

- State Line
- County Line
- Township Line
- City Line
- Reservation Line
- Property Line
- Existing Iron Pin — EIP
- Computed Property Corner
- Property Monument — ECM
- Parcel/Sequence Number — 123
- Existing Fence Line
- Proposed Woven Wire Fence
- Proposed Chain Link Fence
- Proposed Barbed Wire Fence
- Existing Wetland Boundary — WLB
- Proposed Wetland Boundary — WLB
- Existing Endangered Animal Boundary — EAB
- Existing Endangered Plant Boundary — EPB
- Existing Historic Property Boundary — HPB
- Known Contamination Area: Soil — S
- Potential Contamination Area: Soil — S
- Known Contamination Area: Water — W
- Potential Contamination Area: Water — W
- Contaminated Site: Known or Potential

BUILDINGS AND OTHER CULTURE:

- Gas Pump Vent or U/G Tank Cap
- Sign — S
- Well — W
- Small Mine
- Foundation
- Area Outline
- Cemetery
- Building
- School
- Church
- Dam

HYDROLOGY:

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

RAILROADS:

- Standard Gauge — CSX TRANSPORTATION
- RR Signal Milepost — MILEPOST 35
- Switch — 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 Easement Pin and Cap
- Vertical Benchmark
- Existing Right of Way Marker
- Existing Right of Way Line
- New Right of Way Line — RW
- New Right of Way Line with Pin and Cap — RW
- New Right of Way Line with Concrete or Granite R/W Marker — RW
- New Control of Access Line with Concrete C/A Marker — CA
- Existing Control of Access — CA
- New Control of Access — CA
- Existing Easement Line — E
- New Temporary Construction Easement — E
- New Temporary Drainage Easement — TDE
- New Permanent Drainage Easement — PDE
- New Permanent Drainage / Utility Easement — DUE
- New Permanent Utility Easement — PUE
- New Temporary Utility Easement — TUE
- New Aerial Utility Easement — AUE

ROADS AND RELATED FEATURES:

- Existing Edge of Pavement
- Existing Curb
- Proposed Slope Stakes Cut — C
- Proposed Slope Stakes Fill — F
- Proposed Curb Ramp — CR
- 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 — Vineyard

EXISTING STRUCTURES:

MAJOR:

- Bridge, Tunnel or Box Culvert — CONC
- Bridge Wing Wall, Head Wall and End Wall — CONC WW

MINOR:

- Head and End Wall — CONC HW
- Pipe Culvert
- Footbridge
- Drainage Box: Catch Basin, DI or JB — CB
- Paved Ditch Gutter
- Storm Sewer Manhole — S
- Storm Sewer — S

UTILITIES:

POWER:

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

TELEPHONE:

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

WATER:

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

TV:

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

GAS:

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

SANITARY SEWER:

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

MISCELLANEOUS:

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

PROJECT REFERENCE NO.	SHEET NO.
HS-2002L/SM-6012B	2
R/W SHEET NO.	N/A

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 042582 ENGINEER HEATHER C. LANE

DocuSigned by: Heather C. Lane

10/04/2023

PAVEMENT DESIGN ENGINEER

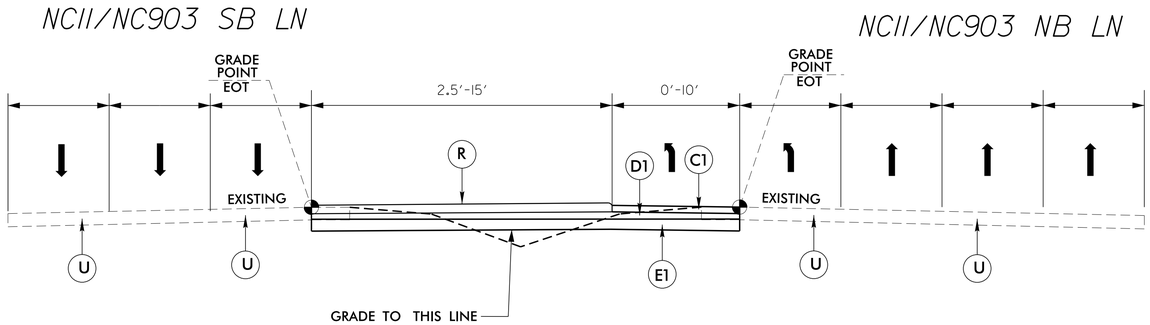
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 042582 ENGINEER HEATHER C. LANE

DocuSigned by: Heather C. Lane

10/04/2023

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

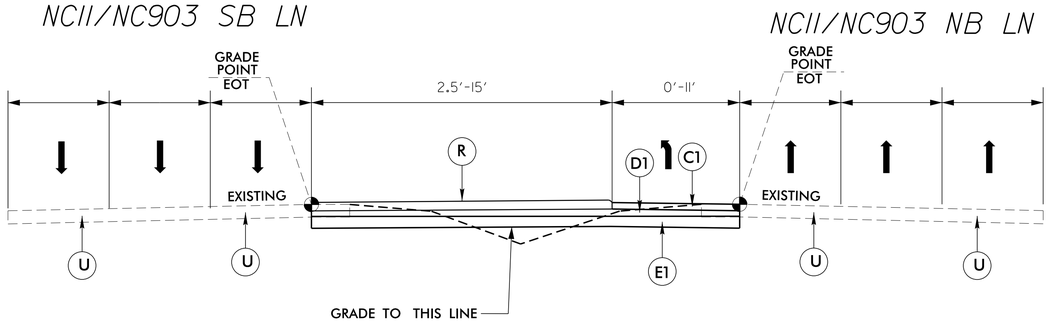
C1	PROP. APPROX. 3.0″ ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ.YD.TO BE PLACED IN LAYERS NOT TO EXCEED 1.5″ DEPTH.
D1	PROP. APPROX. 4.0″ ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
E1	PROP. APPROX. 4.0″ ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
R	PROP. CONC. MOUNTABLE MEDIAN
U	EXISTING PAVEMENT.



USE TYPICAL SECTION #1

-EL- STA. 445+95.60 - STA. 451+12.48

NCII/NC903 (MEMORIAL DRIVE)
AT MALL DRIVE



USE TYPICAL SECTION #2

-EL- STA. 460+41.77 - STA. 465+76.73

NCII/NC903 (MEMORIAL DRIVE)
AT US264 ALT (GREENVILLE BLVD.)

DRAWING NOT TO SCALE
SEE CROSS SECTIONS

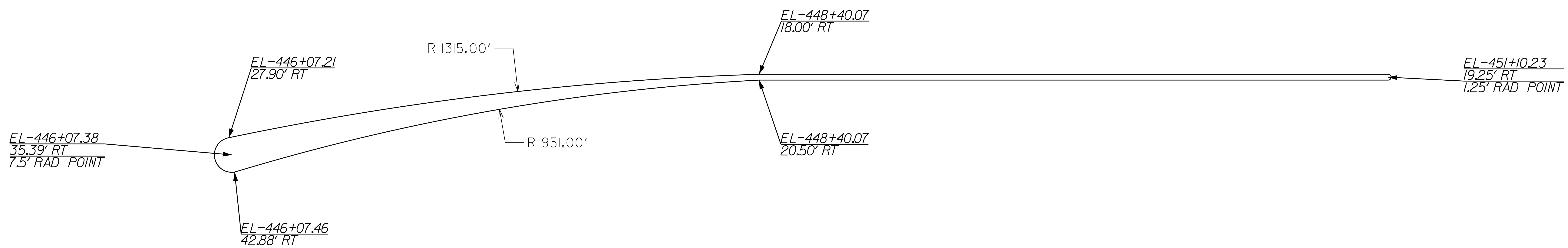
REVISIONS

8/17/99

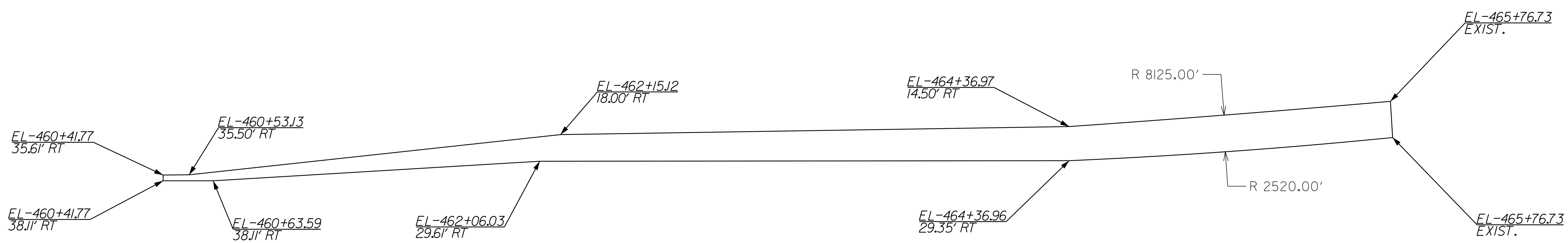
PROJECT REFERENCE NO.	SHEET NO.
HS-2002L/SM-6102B	2B

CONCRETE MOUNTABLE MEDIAN LAYOUT DETAIL

NCII/NC903 (MEMORIAL DRIVE) AT MALL DRIVE
CONSTRUCT 24" OPENINGS EVERY 50 FT PERPENDICULAR TO -EL-STATIONS



NCII/NC903 (MEMORIAL DRIVE) AT US264 ALT (GREENVILLE BLVD.)
NO OPENINGS REQUIRED



DRAWING NOT TO SCALE

8/17/99

REVISIONS

COMPUTED BY: RGG	DATE: 4/19/2023
CHECKED BY:	DATE:

PROJECT REFERENCE NO.	SHEET NO.
HS-2002L/SM-6102B	3A

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

NOTE: Invert Elevations are for Bid Purposes only and shall not be used for project construction stakeout.
See "Standard Specifications For Roads and Structures, Section 300–5".

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48" & UNDER)

STATION	LOCATION (LT,RT, OR MEDIAN)	STRUCTURE NO. FROM	STRUCTURE NO. TO	TOP ELEVATION	INVERT ELEVATION	INVERT ELEVATION	SLOPE CRITICAL	DRAINAGE PIPE (RCP, CSP, CAAP, HDPE, or PVC) 12"	15"	18"	24"	30"	36"	42"	48"	DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE
–EL–445+75	M	1	2	72.79'	70.70'	70.50'													
–EL–448+00	M	2		74.51'															
–EL–464+00																			
TOTAL																			

STATION	C.S. PIPE 12" .064	15" .064	18" .064	24" .064	36" .079	42" .109	48" .109	R.C. PIPE (CLASS III) 15"	18"	24"	30"	36"	42"	48"	R.C. PIPE (CLASS IV) 12"	15"	18"	24"	30"	36"	42"	48"
–EL–445+75																216'						
–EL–448+00																						
–EL–464+00																						
TOTAL																216'						

STATION	**" R. C. PIPE (CLASS V)	**" R. C. PIPE CULVERTS, CONTRACTOR DESIGN PIPE	**" R. C. PIPE CULVERTS, CONTRACTOR DESIGN PIPE	15" SIDE DRAIN PIPE	18" SIDE DRAIN PIPE	ENDWALLS STD. 838.01, STD. 838.11 OR STD. 838.80 (UNLESS NOTED OTHERWISE) CU. YDS. R.C.P.	C.S.P.	QUANTITIES FOR DRAINAGE STRUCTURES PER EACH (0' THRU 5.0')	* TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL.'B') LIN. *FT. A 5.0' THRU 10.0'	B 10.0' AND ABOVE	C.B. STD. 840.01 OR STD. 840.02	FRAME, GRATES AND HOOD STANDARD 840.03 TYPE OF GRATE E	F	G		CONCRETE TRANSITIONAL SECTION CATCH BASIN	DROP INLET
–EL–445+75								1									
–EL–448+00																	
–EL–464+00																	
TOTAL								1									

STATION	G.D.I. FRAME WITH GRATE STD. 840.22	G.D.I. FRAME WITH TWO GRATES STD. 840.22	G.D.I. (N.S.) FRAME WITH GRATE STD. 840.24	G.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.24	J.B. STD. 840.31 OR 840.32	M.H FRAME & COVER STD. 840.54	CORR. STEEL ELBOWS NO. & SIZE	CONC. COLLARS CL. "B" C.Y. STD 840.72	CONC. & BRICK PIPE PLUG, C.Y. STD. 840.71	PIPE REMOVAL LIN.FT.	REMARKS
–EL–445+75				1							
–EL–448+00						1					CONVERT DI TO JB WITH MH
–EL–464+00										46	REMOVE EXIST. DI
TOTAL				1		1				46	

ABBREVIATIONS

C.B.	CATCH BASIN
N.D.I.	NARROW DROP INLET
D.I.	DROP INLET
G.D.I.	GRATED DROP INLET
G.D.I. (N.S.)	GRATED DROP INLET (NARROW SLOT)
J.B.	JUNCTION BOX
M.H.	MANHOLE
T.B.D.I.	TRAFFIC BEARING DROP INLET
T.B.J.B.	TRAFFIC BEARING JUNCTION BOX

SUMMARY OF EARTHWORK
IN CUBIC YARDS

LOCATION	UNCLASSIFIED EXCAVATION	UNCLASSIFIED STR. EXCAVATION	UNDERCUT	EMBT+%	BORROW	WASTE
–EL–446+00.00 – 451+00.00	122			24		98
–EL–461+00.00 – 465+50.00	242			27		215
SUB TOTAL	364			51		313
SAY	370			55		315

PAVEMENT REMOVAL SUMMARY
IN SQUARE YARDS

LINE	STATION – STATION	LOCATION	REMOVAL (SY)
EL	445+95.64 – 451+12.48	RT	92.76
EL	446+53.37 – 451+12.48	RT	72.35
EL	460+53.07 – 464+05.31	RT	86.26
TOTAL			251.37
SAY			252

NOTE: Approximate quantities only. Unclassified Excavation, Borrow Excavation, Fine Grading, Clearing and Grubbing, and Removal of Existing Pavement will be paid for at the contract Lump Sum price for "Grading".

NOTE: EMBANKMENT COLUMN DOES NOT INCLUDE BACKFILL FOR UNDERCUT.

6/21/00
26-SEP-2023 12:04
G:\PROJECTS\PITT\HS-2002L_SM-6102B_NC11_Mall Drive to US 264A\HS-2002L_SM6102B_psh 3a.dgn
$$$$USERNAME$$$$

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

–BASELINE DESCRIPTION–

BL

POINT	DESC.	NORTH	EAST	ELEVATION	BL STATION	OFFSET
1	BL1	664834.0660	2474538.0940	77.37	5+00.00	0.00
2	BL2	665270.7190	2474791.1650	76.73	10+04.69	0.00
3	BL3	665690.0580	2475095.2850	74.30	15+22.70	0.00
4	BL4	666136.2800	2475393.9030	74.29	20+59.62	0.00
5	BL5	666582.7920	2475696.1270	74.24	25+98.80	0.00

–ALIGNMENT DESCRIPTIONS– NCDOT PROJECT REFERENCE: 6.2210019

EL

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	664487.377	2474480.916							
CURVE			N 22°03'13.1" E	663.56	25°04'59.9"(RT)	03°45'00.0"	668.89	339.89	1527.89
PT	665102.386	2474730.066							
LINE			N 34°35'43.1" E	1596.87					
PC	666416.898	2475636.728							
CURVE			N 23°23'43.1" E	890.30	22°24'00.0"(LT)	02°30'00.0"	896.00	453.79	2291.83
PT	667234.008	2475990.244							
LINE			N 12°11'43.1" E	157.86					
POT	667388.301	2476023.590							

Y16

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	664674.833	2474524.619							
LINE			S 74°10'34.3" E	123.61					
PC	664641.126	2474643.548							
CURVE			S 82°42'04.3" E	188.75	17°03'00.0"(LT)	09°00'00.0"	189.44	95.43	636.62
PT	664617.147	2474830.764							

Y17

POINT	N	E	BEARING	DIST
POT	666663.742	2475785.009		
LINE			N 58°46'33.8" E	400.00
POT	666871.096	2476127.068		

Y18

POINT	N	E	BEARING	DIST
POT	666728.876	2475296.724		
LINE			S 84°39'50.8" E	500.00
POT	666682.378	2475794.557		

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT
IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY
NCDOT FOR MONUMENT "-BL-3"
WITH NAD 83/NSRS 2011 STATE PLANE GRID COORDINATES OF
NORTHING: 665690.058(ft) EASTING: 2475095.285(ft)
ELEVATION: 74.298(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT
(GROUND TO GRID) IS: 0.999889911
THE N.C. LAMBERT GRID BEARING AND
LOCALIZED HORIZONTAL GROUND DISTANCE FROM
"-BL-3" TO -EL- STATION 441+71.18 IS
S 27°03'34" W 1,350.51'
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

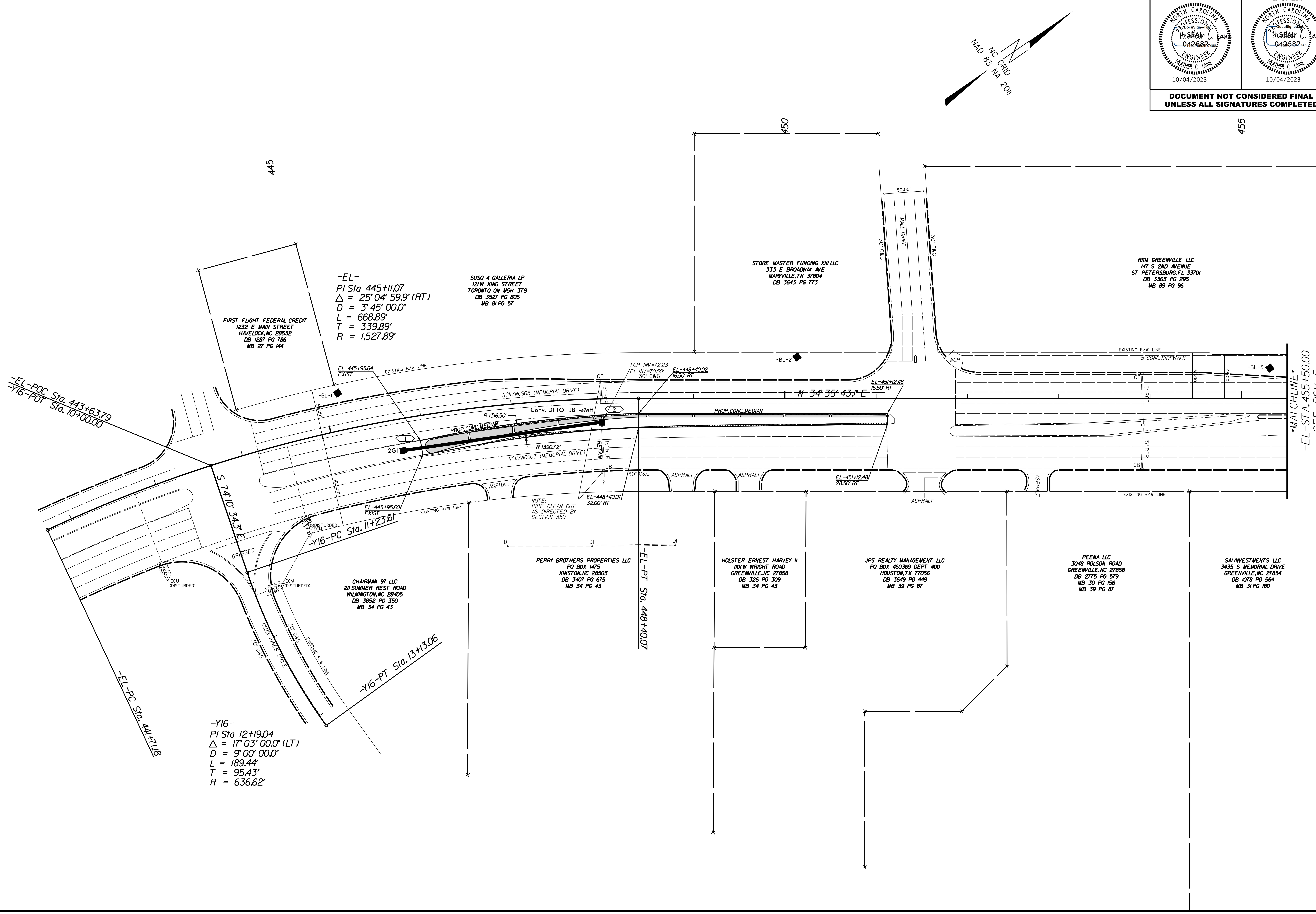
REVISIONS

8/17/99

PROJECT REFERENCE NO.	SHEET NO.
HS-2002L/SM-6102B	4
EC SHEET NO.	EC4

ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 042582 ENGINEER HEATHER C. LANE DocuSigned by: Heather C. Lane 10/04/2023	NORTH CAROLINA PROFESSIONAL SEAL 042582 ENGINEER HEATHER C. LANE DocuSigned by: Heather C. Lane 10/04/2023

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



REVISIONS

8/17/99

26-SEP-2023 12:04
G:\PROJECTS\PITT\HS-2002L_SM-6102B_NC11_Mall Drive to US 264A\HS-2002L_SM-6102B_psh 4.dgn
$$$$USERNAME$$$$

PROJECT REFERENCE NO.	SHEET NO.
HS-2002L/SM-6102B	5
R/W SHEET NO.	N/A

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 042582 ENGINEER HEATHER C LANE
10/04/2023

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 042582 ENGINEER HEATHER C LANE
10/04/2023

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

8/17/99

REVISIONS

NC GRID NAD 83 NA 2011

-Y18-POT Sta. 10+00.00

460

465

470

EXCHANGERIGHT ESSENTIAL INCOME STRATEGY PROPERTIES 2 LLC
1055 E COLORADO BV STE 310
PASADENA,CA 91106
DB 4037 PG 235
MB 80 PG 111

CFT NV DEVELOPMENT LLC
120 N TOWN CENTER DRIVE STE 150
LAS VEGAS,NV 89144
DB 4011 PG 79
MB 80 PG 111

GREENVILLE HO RE LLC
6000 MONROE ROAD STE 100
CHARLOTTE,NC 28212
DB 3152 PG 575
MB 32 PG 175

GREENVILLE HO RE LLC
6000 MONROE ROAD STE 100
CHARLOTTE,NC 28212
DB 3158 PG 810
MB 71 PG 122

-EL-PC Sta. 464+36.93

S 84° 39' 50.8" E

-EL-POC Sta. 467+25.08
-Y17-POT Sta. 10+00.00
-EL-POC Sta. 467+46.62
-Y18-POT Sta. 15+00.00

ECM (DISTURBED)

MATCHLINE -EL-STA. 455+50.00 SEE PSH 4

N 34° 35' 43.1" E

N 34° 35' 43.1" E

N 58° 46' 33.8" E

-BL-4

-BL-5

EXISTING R/W LINE

48.00'

30' C&G

ASPHALT

5' CONC. SIDEWALK

WCR

NCII/NC903 (MEMORIAL DRIVE)

US264ALT/NC43 (GREENVILLE BLVD)

CONC.

CB

ICB

15" RCP

18" RCP

24" RCP

TOP INV=739
FL INV=710.3

EL-462+15.06
17.00' RT

EL-460+41.77
34.50' RT

EL-460+53.01
34.50' RT

EL-460+41.77
EXIST

EL-464+36.95
13.50' RT

EL-465+76.73
EXIST

R 1634.00'

PROP. CONC. MEDIAN

REMOVE CONC. ISLAND

REMOVE CONC. DI

RETAIN CONC.

EL-464+08.19
EXIST

EL-464+22.29
EXIST

EL-464+42.85
EXIST

EL-465+76.73
EXIST

NOTE:
EXISTING 15" RCP FROM DITO CB TO BE PLUGGED AND FILLED WITH FLOWABLE FILL AND PAID FOR AS PIPE REMOVAL LF. AS DIRECTED BY SECTION 340

-EL-
PI Sta 468+90.73
Δ = 22° 24' 00.0" (LT)
D = 2° 30' 00.0"
L = 896.00'
T = 453.79'
R = 2,291.83'

TURNER CAROLYN H
200 CAMPDEN WAY
GREENVILLE,NC 27858
DB 2283 PG 271
MB 35 PG 97

ARNETTE PROPERTIES LLC
704 PADDINGTON DRIVE
GREENVILLE,NC 27838
DB 3927 PG 142
MB 35 PG 97

PHELPS GAYE HOPKINS
PO BOX 2306
GREENVILLE,NC 27836
DB DC99 PG 1444
MB 32 PG 19

PTSC PROPERTIES LLC
PO BOX 8045
GREENVILLE,NC 27835
DB 3472 PG 58
MB 32 PG 19

ALCOKE HOLDINGS IV LLC
1315 S GLENBURNIE ROAD STE 20
NEW BERN,NC 28562
DB 3855 PG 422
MB 24 PG 82

26-SEP-2023 12:04
C:\Users\hlane\Desktop\HS-2002L_SM-6102B_NCII_Mall Drive to US 264A\HS-2002L_SM-6102B_psh 5.dgn
$$$$USERNAME$$$$

PROJECT REFERENCE NO.	SHEET NO.
HS-2002L/SM-6102B	TMP1

GENERAL NOTES / LOCAL NOTES

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS OR RESULT IN DUPLICATE OR UNDESIRED OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED BY THE ENGINEER.

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT EXCEPT WHEN OTHERWISE NOTED IN THE PLAN OR DIRECTED BY THE ENGINEER.

LANE AND SHOULDER CLOSURE REQUIREMENTS

A) DO NOT STOP TRAFFIC AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
NC11 / NC 903 (MEMORIAL DRIVE	MONDAY - SUNDAY 6:00AM - 7:00 PM

B) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED OR AS DIRECTED BY THE ENGINEER.

C) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

D) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS, OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.

E) DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY, RAMP, OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.

PAVEMENT EDGE DROP OFF REQUIREMENTS

F) BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPENED TRAVEL LANE THAT HAS AN EDGE OF PAVEMENT DROP-OFF AS FOLLOWS:

BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.

BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.

BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.

G) DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

H) NOTIFY THE ENGINEER SEVEN (7) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

SIGNING

I) INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 40 FT FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.

J) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

TRAFFIC CONTROL DEVICES

K) WHEN LANE CLOSURES ARE NOT IN EFFECT SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER IN FEET THAN TWICE THE POSTED SPEED LIMIT (MPH) EXCEPT, 10 FT ON-CENTER IN RADII, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY. REFER TO STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES SECTIONS 1130 (DRUMS), 1135 (CONES) AND 1180 (SKINNY DRUMS) FOR ADDITIONAL REQUIREMENTS.

L) PORTABLE CHANGEABLE MESSAGE SIGN WILL BE MEASURED AND PAID AS THE MAXIMUM NUMBER OF PORTABLE CHANGEABLE MESSAGE SIGNS ACCEPTABLY PLACED AND IN OPERATION, AT ANY ONE TIME DURING THE LIFE OF THE PROJECT. AS DIRECTED BY THE ENGINEER.

COORDNATION WITH THE DEPARTMENT

M) FINAL SIGNAGE WILL BE PERFORMED BY NCDOT TRAFFIC SERVICES PROVIDE A THIRTY (30) DAY NOTICE TO THE DEPARTMENT PRIOR TO FINAL SIGNAGE REQUEST.

N) THE PROPOSED SIGNAL HEAD FOR THE NEWLY CONSTRUCTED LEFT TURN ONTO MALL DRIVE WILL BE PERFORMED BY NCDOT TRAFFIC SERVICES. PROVIDE A THIRTY (30) DAY NOTICE TO THE DEPARTMENT PRIOR TO SIGNAL HEAD INSTALLATION REQUEST.

LOCAL NOTES

LOCAL NOTES:

1) **EMERGENCY VEHICLE ACCESS MUST BE MAINTAINED AT ALL TIMES.**
2) **NOTIFY THE FIRE DEPT, E.M.S., AND PITT COUNTY SCHOOL BOARD THIRTY (30) DAYS PRIOR TO STARTING PROPOSED WORK.**
3) **LOCAL ACCESS TO ALL RESIDENCES AND BUSINESSES WILL BE MAINTAINED BETWEEN CLOSURE POINTS AT ALL TIMES DURING CONSTRUCTION.**

APPROVED: DocuSigned by: Heather L. Lane DATE: 10/04/2023

NORTH CAROLINA PROFESSIONAL SEAL 042582 ENGINEER HEATHER C. LANE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DIVISION OF HIGHWAYS · STATE OF NORTH CAROLINA · DEPARTMENT OF TRANSPORTATION · WORK ZONE TRAFFIC CONTROL

TRANSPORTATION OPERATIONS PLAN

(MANAGEMENT STRATEGIES & GENERAL NOTES)

REVISIONS 8/17/99

PROJECT REFERENCE NO.	SHEET NO.
HS-2002L/SM-6102B	PMP1

ROADWAY DESIGN ENGINEER	TRAFFIC DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 042582 HEATHER C LANE	NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 042582 HEATHER C LANE
10/04/2023	10/04/2023

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NC11/NC903 (MEMORIAL DRIVE) AT MALL DRIVE

FINAL PAVEMENT MARKING SCHEDULE

THERMOPLASTIC (6″ 90 MILS)

T21	WHITE SOLID LANE LINE
T22	WHITE 10′ SKIP LINE
T23	3 FT. - 9 FT. / SP WHITE MINISKIP
T24	2 FT. - 6 FT. / SP WHITE MINISKIP
T30	YELLOW EDGELINE

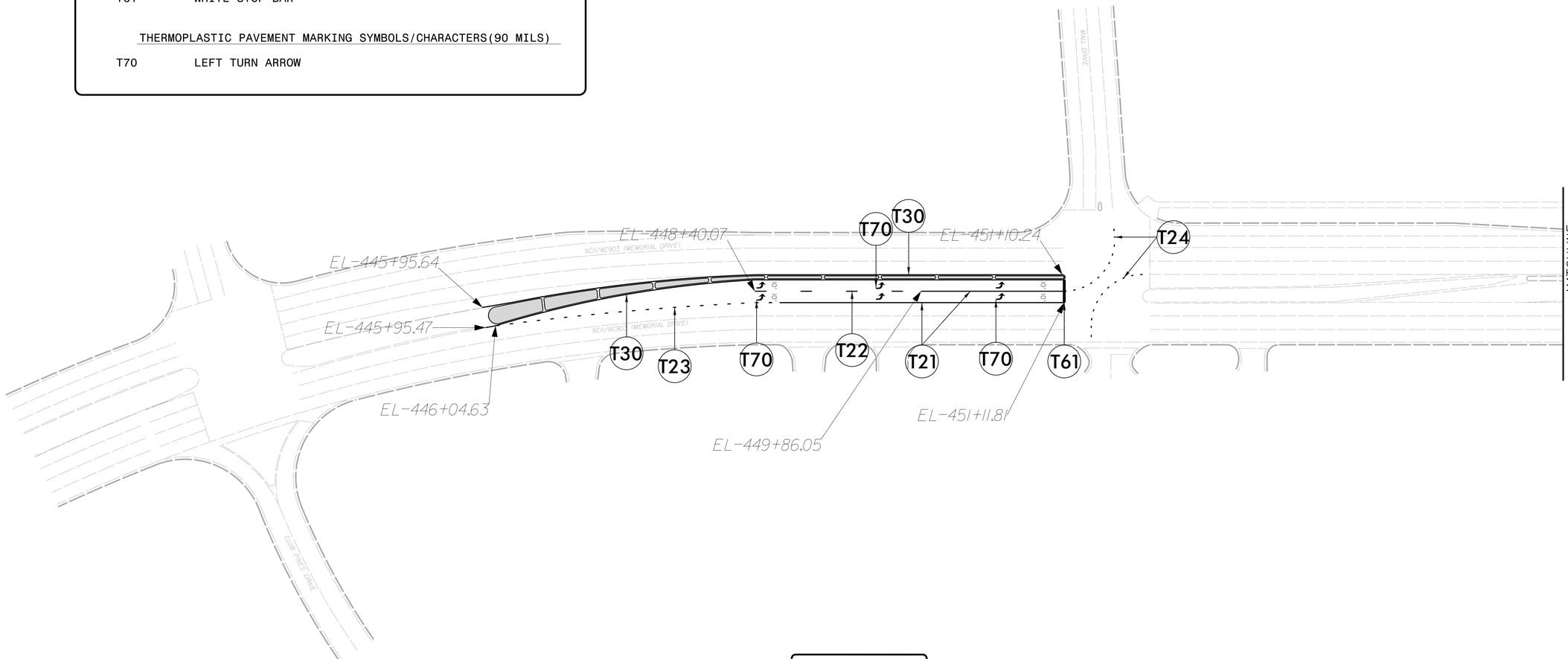
THERMOPLASTIC (24″ 90 MILS)

T61	WHITE STOP BAR

THERMOPLASTIC PAVEMENT MARKING SYMBOLS/CHARACTERS(90 MILS)

T70	LEFT TURN ARROW

NC GRID NAD 83 NA 2011



ROADWAY STANDARD DRAWING

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - DIVIDED AND UNDIVIDED ROADWAYS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1250.01	PAVEMENT MARKER SPACING

GENERAL NOTES

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT, EXCEPT WHEN OTHERWISE NOTED IN THE PLAN, OR DIRECTED BY THE ENGINEER.

A) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:

ROAD NAME	MARKING
NC11 / NC903 AT MALL DRIVE	THERMOPLASTIC

B) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

C) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.

D) FINAL SIGNAGE WILL BE PERFORMED BY NCDOT TRAFFIC SERVICES
PROVIDE A THIRTY (30) DAY NOTICE TO THE DEPARTMENT PRIOR TO SIGNAGE REQUEST.

E) THE PROPOSED SIGNAL HEAD FOR THE NEWLY CONSTRUCTED
LEFT TURN WILL BE INSTALLED BY NCDOT TRAFFIC SERVICES

PROVIDE A THIRTY (30) DAY NOTICE TO THE DEPARTMENT
PRIOR TO SIGNAL HEAD INSTALLATION REQUEST.

REVISIONS 8/17/99

8/17/99

REVISIONS

PROJECT REFERENCE NO.	SHEET NO.
HS-2002L/SM-6102B	PMP2

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 042582 ENGINEER HEATHER C LANE

DocuSigned by: Heather C. Lane

10/04/2023

TRAFFIC DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 042582 ENGINEER HEATHER C LANE

DocuSigned by: Heather C. Lane

10/04/2023

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NC11/NC903 (MEMORIAL DRIVE) AT US264 ALT (GREENVILLE BLVD.)

NAD 83 NA 2011 NC GRID

FINAL PAVEMENT MARKING SCHEDULE

THERMOPLASTIC (6″ 90 MILS)

T21	WHITE SOLID LANE LINE
T22	WHITE 10′ SKIP LINE
T23	3 FT. - 9 FT. / SP WHITE MINISKIP
T24	2 FT. - 6 FT. / SP WHITE MINISKIP
T30	YELLOW EDGELINE

THERMOPLASTIC (24″ 90 MILS)

T61	WHITE STOP BAR

THERMOPLASTIC PAVEMENT MARKING SYMBOLS/CHARACTERS(90 MILS)

T70	LEFT TURN ARROW

ROADWAY STANDARD DRAWING

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - DIVIDED AND UNDIVIDED ROADWAYS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1250.01	PAVEMENT MARKER SPACING

GENERAL NOTES

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT, EXCEPT WHEN OTHERWISE NOTED IN THE PLAN, OR DIRECTED BY THE ENGINEER.

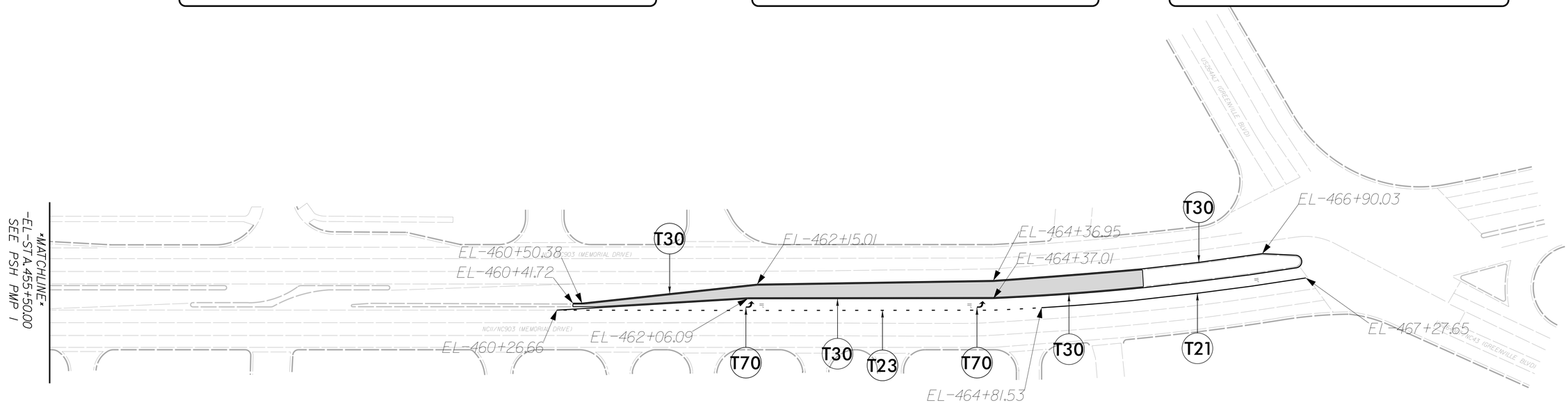
A) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:

ROAD NAME	MARKING
NC11 / NC903 AT US264 ALT	THERMOPLASTIC

B) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

C) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.

D) FINAL SIGNAGE WILL BE PERFORMED BY NCDOT TRAFFIC SERVICES
PROVIDE A THIRTY (30) DAY NOTICE TO THE DEPARTMENT PRIOR TO SIGNAGE REQUEST.



PROJECT REFERENCE NO.	SHEET NO.
HS-2002L/SM-6102B	EC4
PLAN SHEET NO.	4

EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1630.05	Temporary Silt Ditch	TD
1630.05	Temporary Diversion	TD
1605.01	Temporary Silt Fence	SF
1606.01	Special Sediment Control Fence	
1622.01	Temporary Berms and Slope Drains	
1630.02	Silt Basin Type B	
1633.01	Temporary Rock Silt Check Type-A	
	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	
1633.02	Temporary Rock Silt Check Type-B	
	Wattle / Coir Fiber Wattle	ST CFW
	Wattle / Coir Fiber Wattle with Polyacrylamide (PAM)	
1634.01	Temporary Rock Sediment Dam Type-A	
1634.02	Temporary Rock Sediment Dam Type-B	
1635.01	Rock Pipe Inlet Sediment Trap Type-A	
1635.02	Rock Pipe Inlet Sediment Trap Type-B	
1630.04	Stilling Basin	
1630.06	Special Stilling Basin	
	Rock Inlet Sediment Trap:	
1632.01	Type A	A
1632.02	Type B	B
1632.03	Type C	C
	Skimmer Basin	SK
	Tiered Skimmer Basin	
	Infiltration Basin	

SOIL STABILIZATION TIMEFRAMES

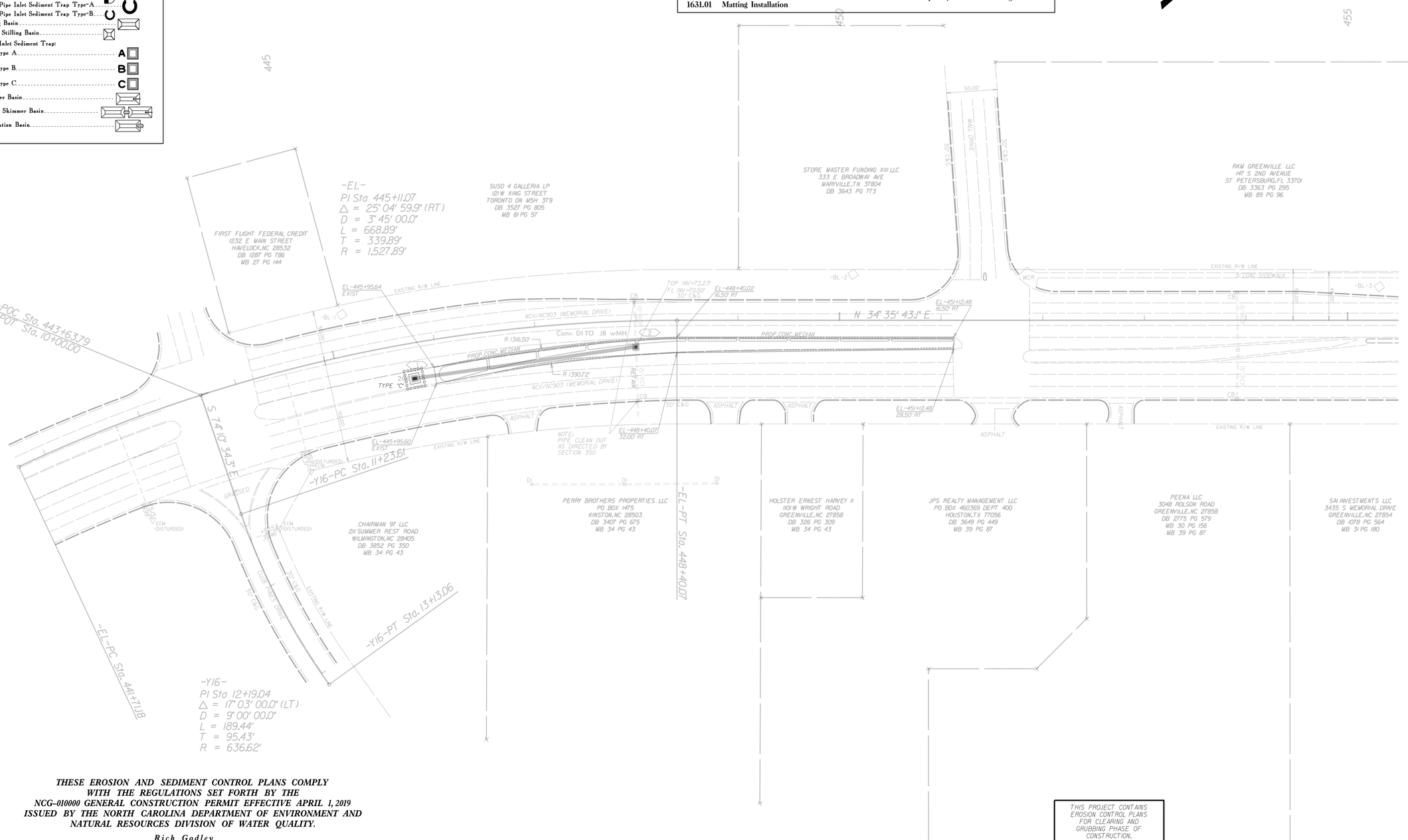
SITE DESCRIPTION	STABILIZATION TIME	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HQW ZONES.

Roadway Standard Drawings

The following roadway english standards as appear in "Roadway Standard Drawings"– Roadway Design Unit – N. C. Department of Transportation – Raleigh, N. C., dated January 2018 and the latest revison thereto are applicable to this project and by reference hereby are considered a part of these plans.

1604.01	Railroad Erosion Control Detail	1632.01	Rock Inlet Sediment Trap Type A
1605.01	Temporary Silt Fence	1632.02	Rock Inlet Sediment Trap Type B
1606.01	Special Sediment Control Fence	1632.03	Rock Inlet Sediment Trap Type C
1607.01	Gravel Construction Entrance	1633.01	Temporary Rock Silt Check Type A
1622.01	Temporary Berms and Slope Drains	1633.02	Temporary Rock Silt Check Type B
1630.01	Riser Basin	1634.01	Temporary Rock Sediment Dam Type
1630.02	Silt Basin Type B	1634.02	Temporary Rock Sediment Dam Type
1630.03	Temporary Silt Ditch	1635.01	Rock Pipe Inlet Sediment Trap Type
1630.04	Stilling Basin	1635.02	Rock Pipe Inlet Sediment Trap Type
1630.05	Temporary Diversion	1640.01	Coir Fiber Baffle
1630.06	Special Stilling Basin	1645.01	Temporary Stream Crossing
1631.01	Matting Installation		

NC GRID NAD 83 NA 2011



THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH THE REGULATIONS SET FORTH BY THE NCG-010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE APRIL 1, 2019 ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES DIVISION OF WATER QUALITY.

Rich Godley
Level III
Certification #3559

THIS PROJECT CONTAINS EROSION CONTROL PLANS FOR CLEARING AND GRUBBING PHASE OF CONSTRUCTION.

REVISIONS 8/17/99

26-SEP-2023 12:05
C:\Projects\HS-2002L_SM-6102B_NC11_Mall Drive to US 264A\HS-2002L_SM-6102B_psh ec4.dgn
$$$$USERNAME

PROJECT REFERENCE NO.	SHEET NO.
HS-2002L/SM-6102B	XIA

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SUMMARY OF EARTHWORK

IN CUBIC YARDS

LOCATION (–EL–)	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBANKMENT
446 + 00.00	*0*		*0*
446 + 50.00	*14*		*1*
447 + 00.00	*10*		*2*
447 + 50.00	*8*		*4*
448 + 00.00	*7*		*9*
448 + 50.00	*7*		*7*
449 + 00.00	*12*		*1*
449 + 50.00	*16*		*0*
450 + 00.00	*15*		*0*
450 + 50.00	*15*		*0*
451 + 00.00	*18*		*0*

LOCATION (–EL–)	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBANKMENT
461 + 00.00	*0*		*0*
461 + 50.00	*16*		*0*
462 + 00.00	*20*		*1*
462 + 50.00	*20*		*3*
463 + 00.00	*19*		*7*
463 + 50.00	*19*		*10*
464 + 00.00	*23*		*6*
464 + 50.00	*39*		*0*
465 + 00.00	*46*		*0*
465 + 50.00	*40*		*0*

NOTE: Approximate quantities only. Unclassified Excavation, Borrow Excavation, Fine Grading, Clearing and Grubbing, and Removal of Existing Pavement will be paid for at the contract Lump Sum price for "Grading".

NOTE: EMBANKMENT COLUMN DOES NOT INCLUDE BACKFILL FOR UNDERCUT.

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	HS-2002L/SM-6102B	X-1

447+50.00

73.74 74.35 74.48

EXISTING 1.50 % EXISTING

447+00.00

73.56 74.37 74.51

EXISTING 2.00 % EXISTING

446+50.00

73.54 74.61 74.54

EXISTING 1.35 %

446+00.00

73.54 74.55

EXISTING 6.96 %

445+75.00

73.58 74.50

EXISTING

—EL—

26-SEP-2023 12:05
C:\PROJECTS\HS-2002L_SM-6102B_NC11_Mall Drive to US 264A\HS-2002L_SM-6102B_xpl.dgn
$$$$USERNAME$$$$

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	HS-2002L/SM-6102B	X-2

449+50.00

EXISTING 74.89 74.59 1.50 % 74.72 EXISTING

449+00.00

EXISTING 74.60 74.49 1.50 % 74.63 EXISTING

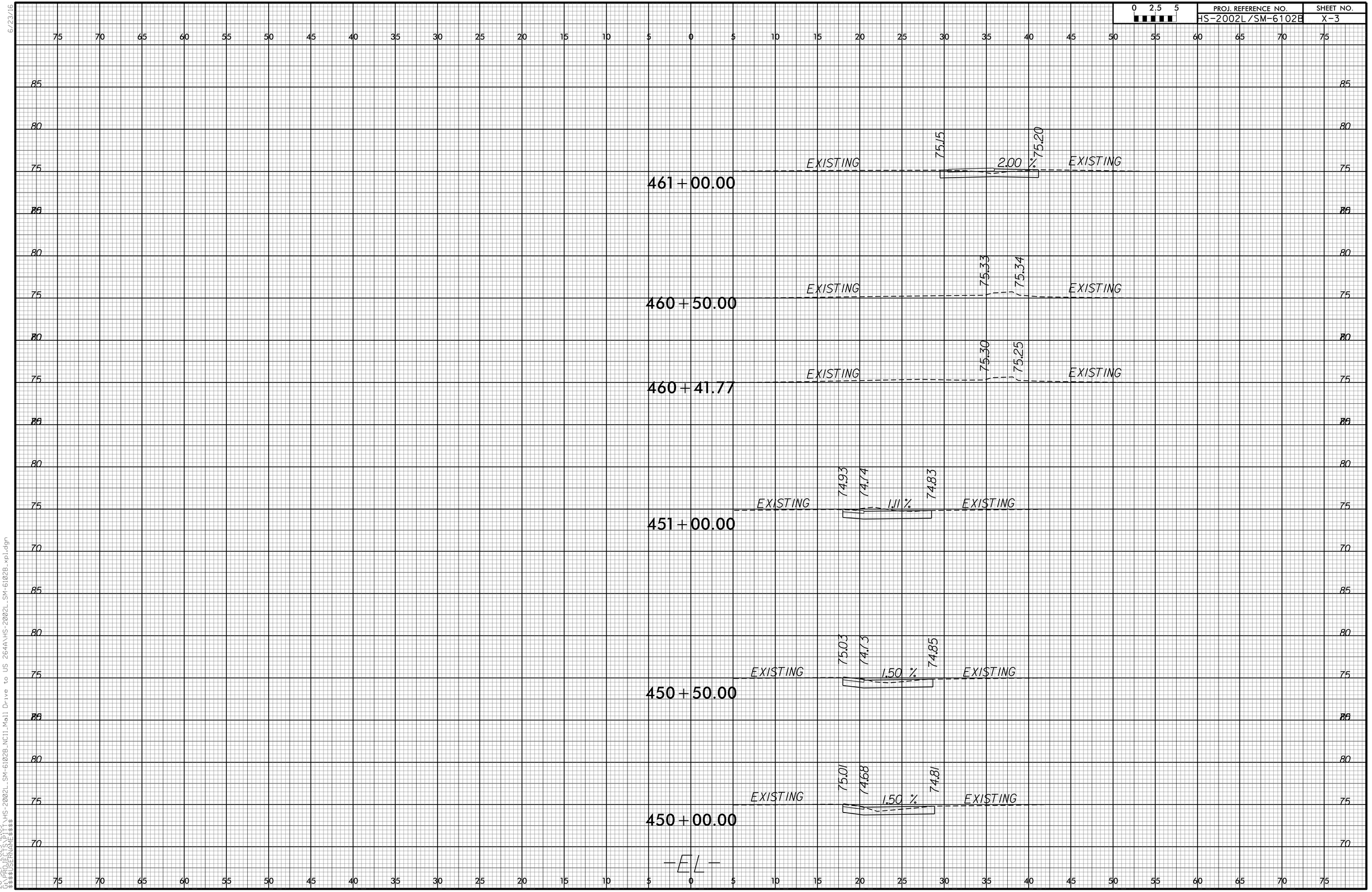
448+50.00

EXISTING 74.25 74.50 2.50 % 74.78 EXISTING

448+00.00

EXISTING 74.00 74.45 2.00 % 74.66 EXISTING

—EL—



6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	HS-2002L/SM-6102B	X-4

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

80 75 70

464+00.00

75.10 EXISTING 75.11 2.00 % 75.15 EXISTING 74.98

80 75 70

463+50.00

75.11 EXISTING 75.16 2.00 % 75.17 EXISTING 75.06

80 75 70

463+00.00

75.06 EXISTING 75.16 2.00 % 75.20 EXISTING 75.11

80 75 70

462+50.00

74.97 EXISTING 75.18 2.00 % 75.18 EXISTING 75.06

80 75 70

462+00.00

74.95 EXISTING 75.12 2.00 % 75.14 EXISTING 75.06

80 75 70

461+50.00

75.20 EXISTING 2.00 % 75.16 EXISTING

80 75 70

-EL-

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

26-SEP-2023 12:05
C:\PROJECTS\HS-2002L_SM-6102B_NC11_Mall Drive to US 264A\HS-2002L_SM-6102B_xpl.dgn
$$$$USERNAME$$$$

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	HS-2002L/SM-6102B	X-5

467+00.00

466+50.00

466+00.00

74.78 EXISTING 74.99 EXISTING 75.00 EXISTING 74.90

465+76.73

74.84 EXISTING 75.02 75.04 1.05 % 74.94 EXISTING

465+50.00

74.93 EXISTING 75.02 1.62 % 75.12 75.02 EXISTING

465+00.00

75.02 EXISTING 75.02 2.00 % 75.09 EXISTING 74.93

464+50.00

-EL-