09/08/99

T.I.P NO.: EB-3314D

STATE	STATE PROJECT REFERENCE NO.		SHEET NO.	TOTAL SHEETS
N.C.	EB-3314D		1	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION		
33935.2.FD4	STPEB-0224(018)	CONST.		
3602.3.15		CONST.		

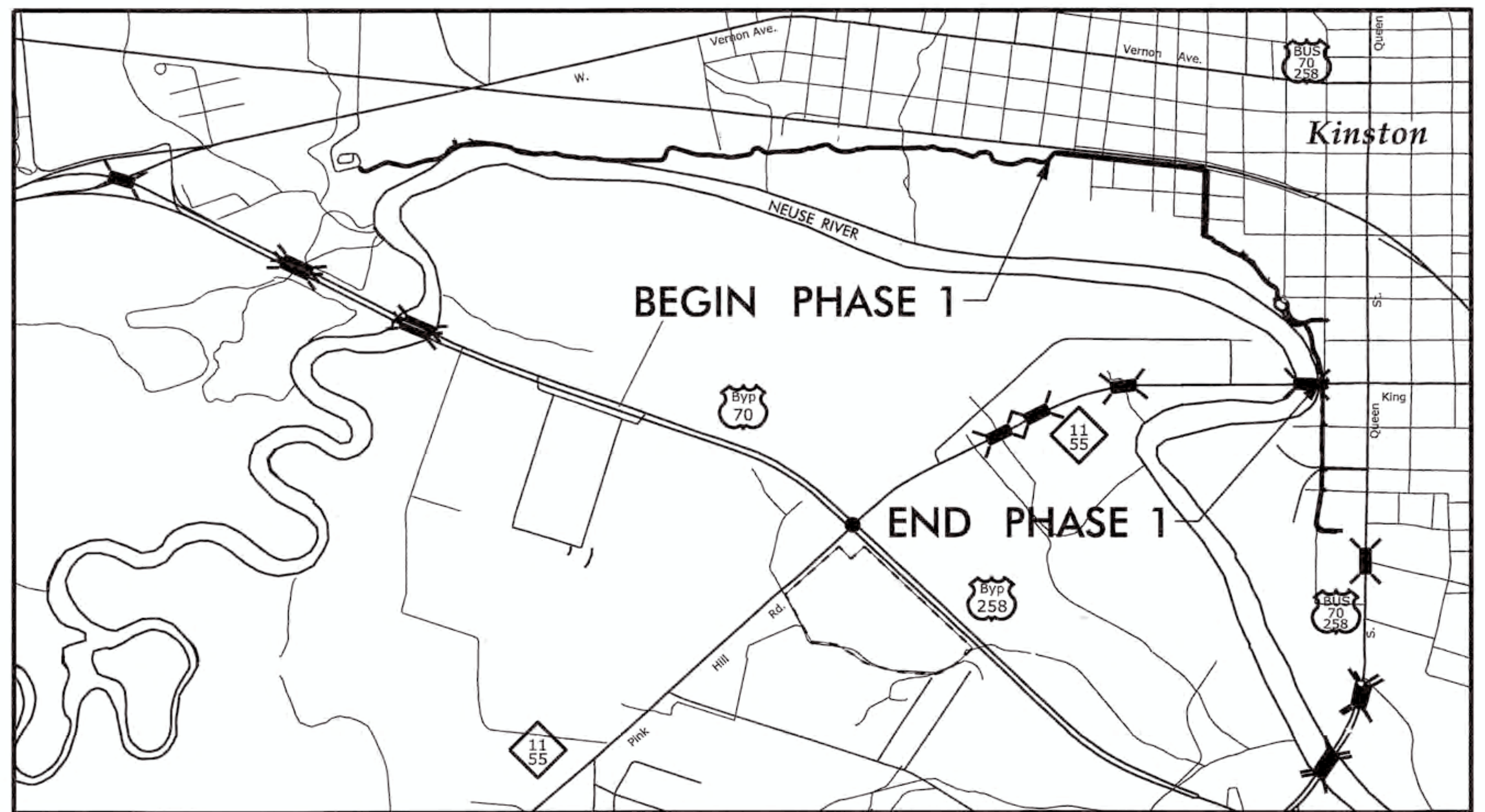
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

LENOIR COUNTY

PHASE 1

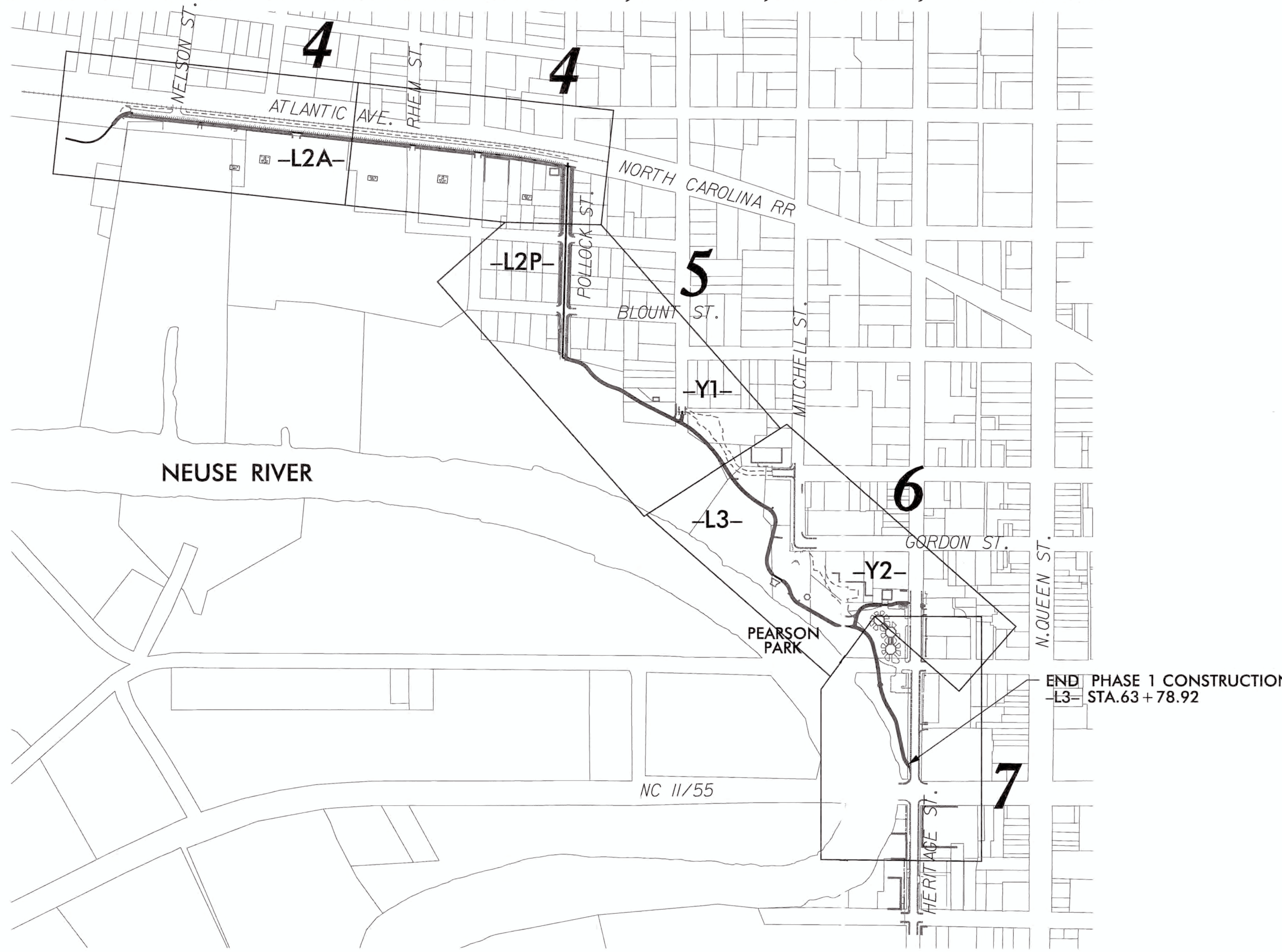
LOCATION: ***SECTIONS OF ATLANTIC AVE. AND POLLOCK STREET, THROUGH PEARSON PARK TO NC 11/55***

TYPE OF WORK: ***GREENWAY & SIDEWALK, GRADING, DRAINAGE, AND PAVING***



VICINITY MAP

See Sheet 1-A For Conventional Symbols



INDEX OF SHEETS

1	TITLE SHEET
1A	PLAN SHEET SYMBOLS
1B	GENERAL NOTES
2-2A	TYPICAL SECTIONS
2B-2I	DETAILS
3-3A	SUMMARIES
4-7	PLAN & PROFILE SHEETS
EC-1 - EC-11	EROSION CONTROL PLANS
X-1 - X-6	CROSS SECTIONS

CONTRACT:

GRAPHIC SCALES

50 25 0 50 100
PLANS

50 25 0 50 100
PROFILE (HORIZONTAL)

10 5 0 10 20
PROFILE (VERTICAL)

DESIGN DATA

DESIGN SPEED = 20 MPH

LEAN ANGLE = 15 DEGREES

FUNC. CLASS = GREENWAY

PROJECT LENGTH

LENGTH GREENWAY STATE PROJECT EB-3314D	=	0.524 mi.
LENGTH ON-STREET STATE PROJECT EB-3314D	=	0.486 mi.
TOTAL LENGTH STATE PROJECT EB-3314D	=	1.010 mi.

Prepared in the Office of:

STEWART
421 FAYETTEVILLE ST, STE 400
RALEIGH, NC 27601
T 919.380.8750
Firm License #: C-1051
www.stewartinc.com
PROJECT #:B12002

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
MAY 20, 2015

LETTING DATE:
JUNE 24, 2015

MATTHEW LUDWIG, PE
PROJECT ENGINEER

ANDIE COZZARELLI, EI
PROJECT DESIGN ENGINEER

JEFF CABANISS, PE
NCDOT CONTACT

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 14101 ENGINEER JOHN M. KAMPRATH

[illegible] 5/22/15

SIGNATURE: P.E.

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 40615 ENGINEER MATTHEW C. LUDWIG

[illegible] 5/22/15

SIGNATURE: P.E.

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

5/22/2015
...\HI4006_PHI_RDY_PSH01.dgn
USER:jcole

REVISIONS

Note: Not to Scale

****S.U.E. = Subsurface Utility Engineering***

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 — EIP
- 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
- Known Soil Contamination: Area or Site
- Potential Soil Contamination: Area or Site

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:

- Baseline Control Point
- Existing Right of Way Marker
- Existing Right of Way Line
- Proposed Right of Way Line — RW
- Proposed Right of Way Line with Iron Pin and Cap Marker — RW
- Proposed Right of Way Line with Concrete or Granite R/W Marker — RW
- Proposed Control of Access Line with Concrete C/A Marker — CA
- Existing Control of Access — CA
- Proposed Control of Access — CA
- Existing Easement Line — E
- Proposed Temporary Construction Easement — TCE
- Proposed Temporary Drainage Easement — TDE
- Proposed Permanent Drainage Easement — PDE
- Proposed Permanent Greenway Easement — PGE
- Proposed Permanent Utility Easement — PUE
- Proposed Temporary Utility Easement — TUE
- Proposed Aerial Utility Easement — AUE
- Proposed Permanent Easement with Iron Pin and Cap Marker

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
- Recorded U/G Power Line — P
- Designated U/G Power Line (S.U.E.*) — P

TELEPHONE:

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

WATER:

- Water Manhole — W
- Water Meter
- Water Valve
- Water Hydrant
- Recorded U/G Water Line — W
- Designated U/G Water Line (S.U.E.*) — W
- Above Ground Water Line — A/G Water

TV:

- TV Satellite Dish
- TV Pedestal — C
- TV Tower
- U/G TV Cable Hand Hole — HH
- Recorded U/G TV Cable — TV
- Designated U/G TV Cable (S.U.E.*) — TV
- Recorded U/G Fiber Optic Cable — TV FO
- Designated U/G Fiber Optic Cable (S.U.E.*) — TV FO

GAS:

- Gas Valve
- Gas Meter
- Recorded U/G Gas Line — G
- Designated U/G Gas Line (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
- Recorded SS Forced Main Line — FSS
- Designated SS Forced Main Line (S.U.E.*) — FSS

MISCELLANEOUS:

- Utility Pole
- Utility Pole with Base
- Utility Located Object
- Utility Traffic Signal Box — S
- Utility Unknown U/G Line — ?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 (S.U.E.*)
- Abandoned According to Utility Records — AATUR
- End of Information — E.O.I.

PROJECT REFERENCE NO.	SHEET NO.
EB-3314D PHASE 1	1B

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 40615 ENGINEER MATTHEW C. LUDWIG

5/24/15

REVISIONS

NOTES

GENERAL NOTES

1 THE CONTRACTOR SHALL PERFORM ALL CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF THE JANUARY 2012 NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.

2 ALL DEMOLITION SHALL BE APPROVED BY THE CITY OF KINSTON.

3 ALL DEMOLITION AND SUBSEQUENT CONSTRUCTION TO BE IN ACCORDANCE WITH PERMITS ISSUED AND APPLICABLE STATE, COUNTY, AND LOCAL CODES. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL INSPECTIONS, CERTIFICATIONS, PERMITS, EQUIPMENT, ETC. THAT MAY BE REQUIRED.

4 WHERE ASPHALT SECTION IS REMOVED, CONTRACTOR SHALL USE A SAW CUT AT THE LIMITS OF DEMOLITION TO OBTAIN A CLEAN EDGE.

5 NO GRADING IS TO OCCUR IN THE TREE PROTECTION AREAS OR TREE CRITICAL ROOT ZONES.

6 THE CONTRACTOR MUST, AT ALL TIMES, KEEP THE PREMISES FREE FROM ACCUMULATIONS OF WASTE MATERIALS OR RUBBISH CAUSED BY HIM, HIS EMPLOYEES, OR HIS WORK. ALL DEBRIS SHALL BE REMOVED FROM THE SITE ON A DAILY BASIS.

7 RELOCATION OF EXISTING UTILITIES TO BE COORDINATED WITH THE LOCAL UTILITY PROVIDER(S).

8 EXISTING UTILITIES AND STRUCTURES SHOWN BOTH UNDERGROUND AND ABOVE ARE BASED ON THE BEST AVAILABLE RECORD DRAWINGS. THE CONTRACTOR SHALL VERIFY FIELD CONDITIONS PRIOR TO BEGINNING RELATED CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE IMMEDIATELY.

9 CONTRACTOR SHALL LOCATE ALL UTILITIES AND UTILITY ELEVATIONS PRIOR TO CONSTRUCTION. ALL UTILITIES TO REMAIN SHALL BE PROTECTED BY THE CONTRACTOR. ANY UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED BY CONTRACTOR AT HIS EXPENSE.

10 CONTRACTOR SHALL RESTORE ALL LAY DOWN AND STAGING AREAS TO ORIGINAL CONDITIONS AND TO THE SATISFACTION OF THE OWNER, PRIOR TO DEMOBILIZATION AT THE CONCLUSION OF THE PROJECT.

11 ANY EXCAVATION MUST BE FILLED IN AND TAMPED AT THE CONCLUSION OF EACH WORK PERIOD, AND EQUIPMENT AND SUPPLIES RETURNED TO THE CONSTRUCTION STAGING AREA.

12 CONSTRUCTION/SAFETY FENCING REMOVED TO FACILITATE ACCESS BY THE CONTRACTOR FOR CONSTRUCTION MUST BE REPLACED AT THE END OF EACH WORK PERIOD TO DIRECT PEDESTRIAN AND VEHICULAR TRAFFIC AWAY FROM HAZARDOUS AREAS.

13 DEMOLITION, AND SUBSEQUENT CONSTRUCTION OF STORM DRAINAGE FACILITIES SHALL BE PERFORMED IN SUCH A MANNER THAT THE OLD PIPE AND STRUCTURES ARE REMOVED AND NEW STRUCTURES AND PIPING ARE IMMEDIATELY PUT INTO SERVICE. CONTRACTOR SHALL ENSURE THAT STORM DRAINAGE DOES NOT REMAIN OUT OF SERVICE FOR LONGER THAN 12 HOURS AT A TIME. PROVISIONS SHALL BE MADE TO MAINTAIN STORM WATER DRAINAGE DURING CONSTRUCTION.

14 CONTRACTOR SHALL MAINTAIN ALL ABOVE AND BELOW GROUND STORM WATER DRAINAGE AND PATTERNS AND PIPING AS THEY CURRENTLY EXIST UNLESS NOTED OTHERWISE. ANY DISTURBANCE OF THE PATTERNS OR STRUCTURES BY THE CONTRACTOR SHALL BE CORRECTED BY THE CONTRACTOR TO CONDITION PRIOR TO DISTURBANCE. CLEAN OUT STORM WATER PIPE ONLY IF NOTED ON PLAN AND ACCORDING TO DETAIL.

15 CONTRACTOR SHALL STAKE CENTERLINE OF TRAIL ACCORDING TO PLANS AND OBTAIN APPROVAL FROM OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE RESOLVED PRIOR TO CONSTRUCTION.

16 CONTRACTOR SHALL VERIFY ALL STATIONING FOR APPLICABILITY TO EXISTING CONDITIONS PRIOR TO CONSTRUCTION. DEVIATION FROM ALIGNMENT DUE TO LARGE TREES OR OTHER OBSTACLES ETC SHALL BE APPROVED BY THE CITY OF KINSTON AND THE ENGINEER OF RECORD.

17 CONTRACTOR ACCESS FOR TRAIL CONSTRUCTION SHALL BE CONFIRMED BY CONTRACTOR WITH OWNER'S REPRESENTATIVE AND PROPERTY OWNER PRIOR TO CONSTRUCTION.

18 CONTRACTOR SHALL REVIEW TREE REMOVAL WITH OWNER'S REPRESENTATIVE AND OBTAIN APPROVAL PRIOR TO TREE REMOVAL. CONTRACTOR SHALL REMOVE ALL VEGETATION TO 3' BEYOND ASPHALT EDGE OF TRAIL OR WITH IN REQUIRED DRAINAGE DITCHES. TRIM UP BRANCHES OF TREES TO PROVIDE 10' VERTICAL CLEARANCE ABOVE PAVEMENT SURFACE.

19 ALL CONSTRUCTION SHALL COMPLY WITH CITY OF KINSTON AND NCDOT STANDARDS.

20 THE ENGINEER AND/OR OWNER DISCLAIM ANY ROLE IN THE CONSTRUCTION MEANS AND METHODS ASSOCIATED WITH PROJECT AS SET FORTH IN THESE PLANS. IF DEPARTURES FROM THE SPECIFICATIONS OR DRAWINGS ARE DEEMED NECESSARY BY THE CONTRACTOR, DETAILS OF SUCH DEPARTURES AND REASONS THEREOF SHALL BE SUBMITTED TO THE OWNER IN WRITING FOR REVIEW. NO DEPARTURES FROM THE CONTRACT DOCUMENTS SHALL BE MADE WITHOUT THE WRITTEN PERMISSION OF THE OWNER.

21 TREES AND PLANTS WILL NOT BE DAMAGED OR REMOVED IN ORDER TO SERVICE AND MAINTAIN THE UTILITY, SIDEWALK, GREENWAY OR OTHER SIMILAR FEATURE

22 SUPERELEVATION TRANSITION IS SHOWN ON THE PLAN VIEW.

2012 NCDOT ROADWAY ENGLISH STD. DRAWINGS

ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" HIGHWAY DESIGN BRANCH - N.C. DEPARTMENT OR TRANSPORTATION - RALEIGH, N.C., DATED JANUARY, 2012 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS.

PROJECT REFERENCE NO.	SHEET NO.
EB-3314D PHASE 1	2

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 40615 ENGINEER MATTHEW C. LUMSDEN

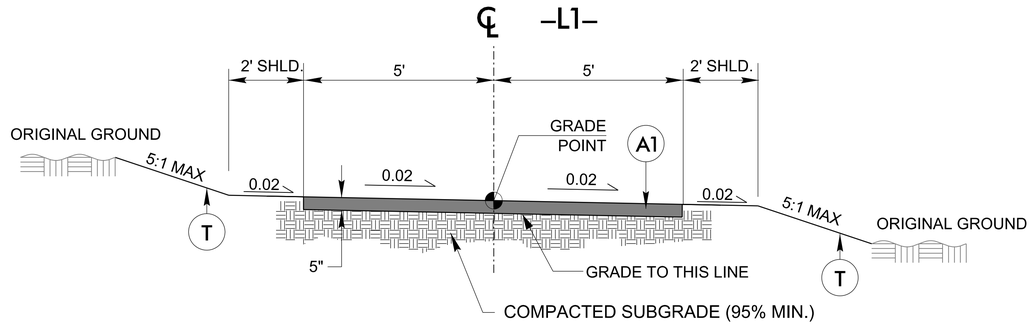
5/22/15

REVISIONS

PAVEMENT SCHEDULE	
A1	5″ PORTLAND CONCRETE CEMENT PAVEMENT (3500 PSI)
C1	PROPOSED 2″ ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
J1	PROPOSED 8″ AGGREGATE BASE COURSE.
S	4″ CONCRETE SIDEWALK
T	EARTH MATERIAL.
U	EXISTING PAVEMENT
V1	GEOTEXTILE SEPERATOR FABRIC.

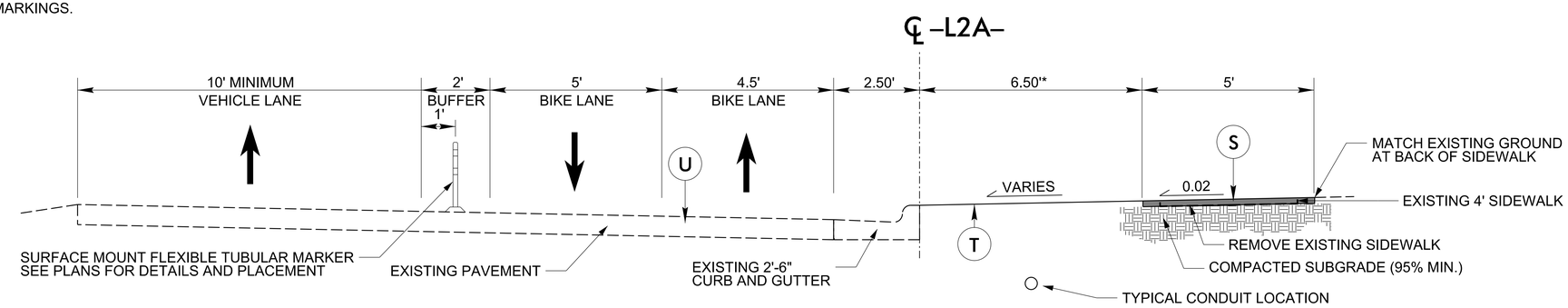
NOTES:
1. TRANSITION SUPERELEVATION AS SHOWN ON PLANS.
   TRANSITION DISTANCE SHALL BE 7.5' PER 1% CHANGE.

2. SEE PLANS FOR ALL PAVEMENT MARKINGS.



TYPICAL SECTION #1- CONCRETE MULTI-USE PATH

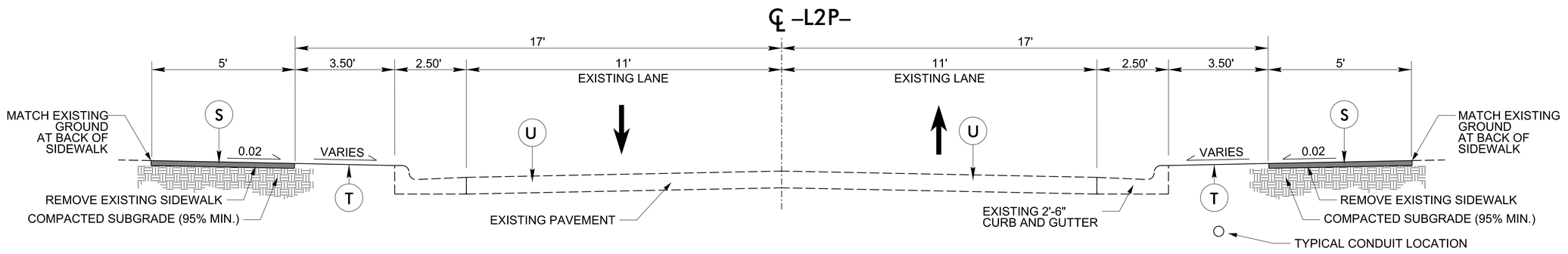
CHAIN	BEGIN STATION	END STATION
-L1-	STA. 97+10.00	STA. 97+97.47



TYPICAL SECTION #2- ATLANTIC AVENUE PROTECTED BIKE LANES AND SIDEWALK

-L2A- STA. 10+00.00 TO -L2A- STA. 27+62.75

* INCREASE THIS DISTANCE TO 7.50' BETWEEN -L2A- STA. 24+56.51 TO STA. 26+75.00 AS NEEDED TO TIE TO GRADE AT THE BACK OF EXISTING SIDEWALK.



TYPICAL SECTION #3- POLLOCK STREET CURB & GUTTER

-L2P- STA. 30+14.42 TO -L2P- STA. 36+00.00

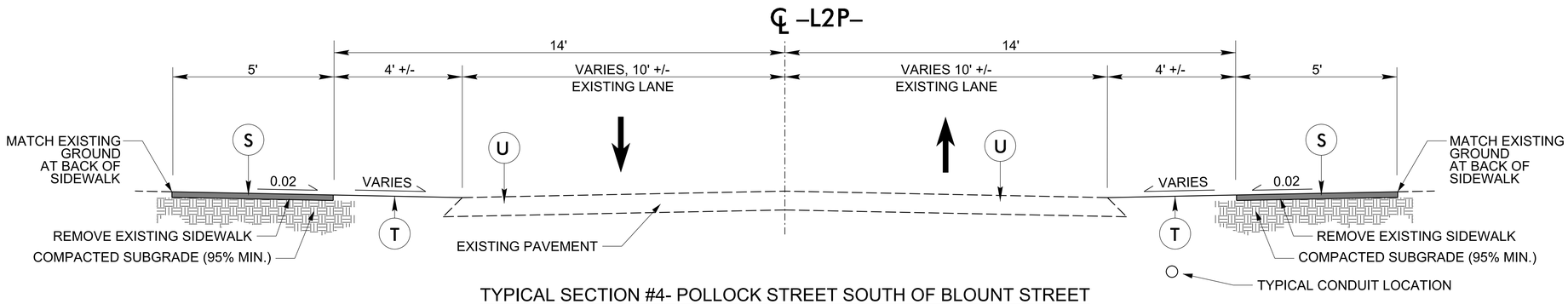
PROJECT REFERENCE NO.	SHEET NO.
EB-3314D PHASE I	2A

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 40615 ENGINEER MATTHEW C. LUMLEY

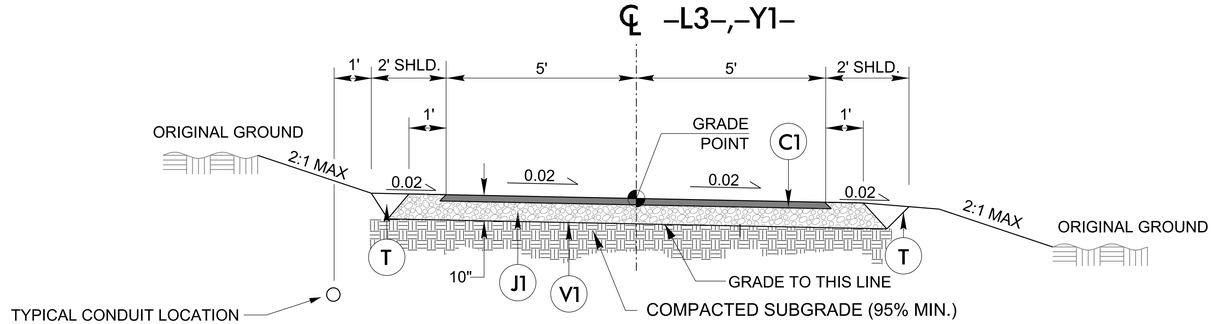
5/29/15

REVISIONS



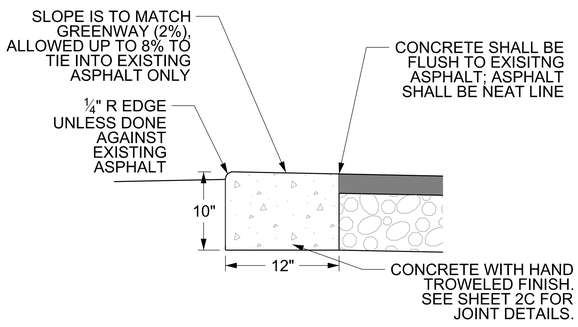
TYPICAL SECTION #4- POLLOCK STREET SOUTH OF BLOUNT STREET

-L2P- STA. 36+00.00 TO -L2P- STA. 37+93.36

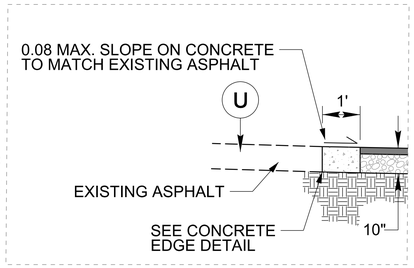


TYPICAL SECTION #5- STANDARD ASPHALT GREENWAY

CHAIN	BEGIN STATION	END STATION
-L3-	STA. 40+09.84	STA. 48+81.80
-L3-	STA. 63+66.75	STA. 63+78.92
-Y1-	STA. 10+11.32	STA. 10+43.03

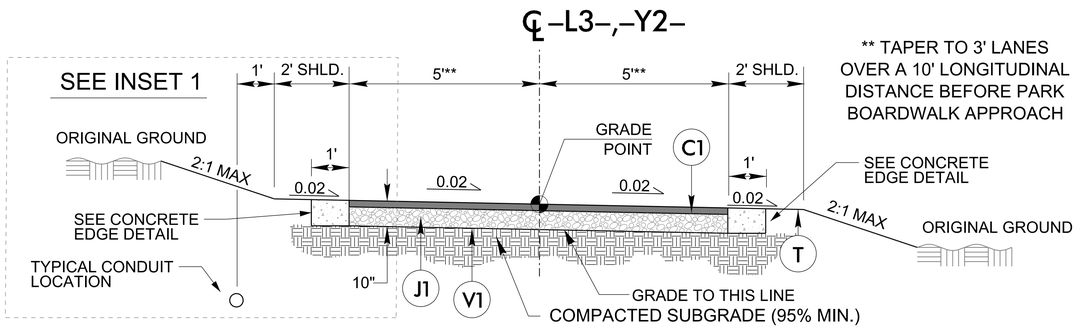


CONCRETE BAND DETAIL



INSET 1

-L3- STA. 58+07.20 TO -L3- STA. 59+08.34 (LEFT SIDE ONLY)
-Y2- STA. 10+29.40 TO -Y2- STA. 10+71.43 (RIGHT SIDE ONLY)



TYPICAL SECTION #6- ASPHALT MULTI-USE PATH W/ CONC. SHOULDER

CHAIN	BEGIN STATION	END STATION
-L3-	STA. 48+81.80	STA. 53+43.98
-L3-	STA. 53+92.06	STA. 56+96.30
-L3-	STA. 57+42.08	STA. 63+66.75
-Y2-	STA. 10+06.00	STA. 11+68.92
-Y2-	STA. 11+92.66	STA. 12+77.11

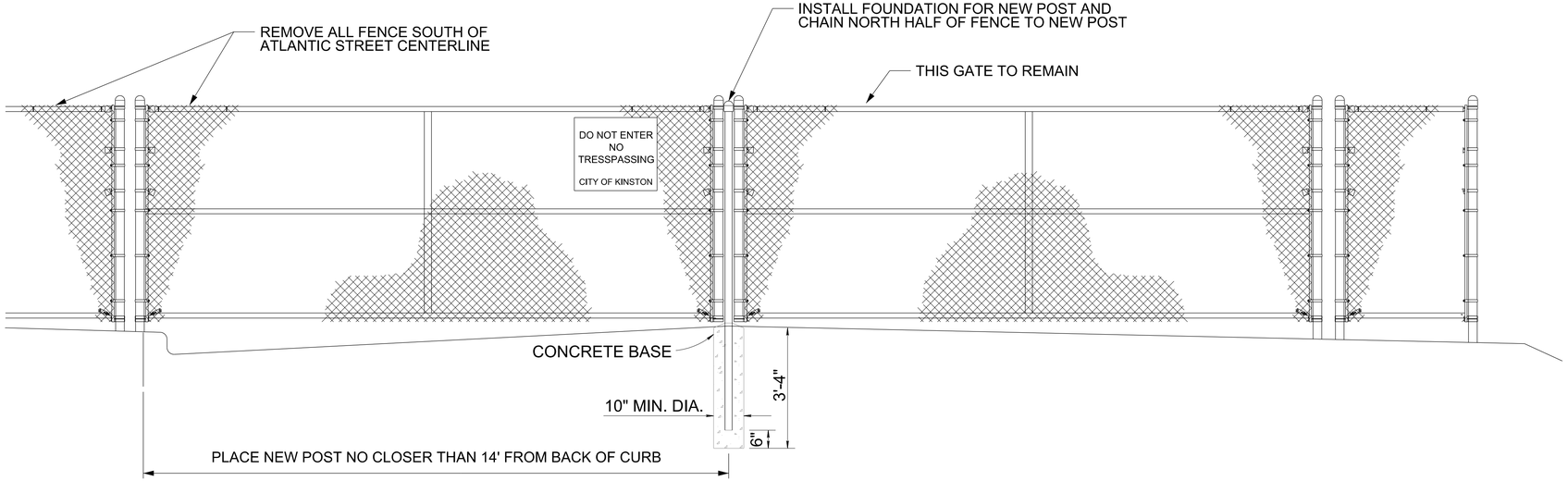
PROJECT REFERENCE NO.	SHEET NO.
EB-3314D PHASE 1	2B

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 40615 ENGINEER MATTHEW C. LUMLEY

5/22/15

REVISIONS



1 FENCE MODIFICATIONS AT END OF ATLANTIC AVENUE

CROSS SECTION LOOKING WEST

STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

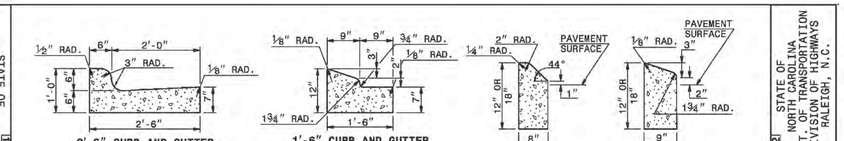
1-12

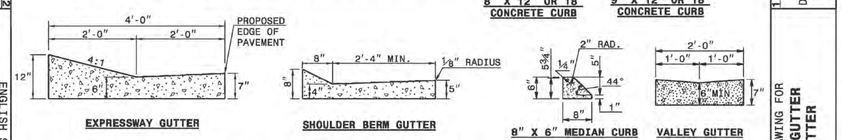
ENGLISH STANDARD DRAWING FOR

CONCRETE CURB, GUTTER AND CURB & GUTTER

SHEET 1 OF 3

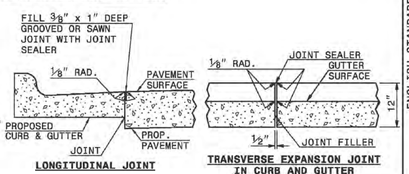
846.01





SECTION VIEW OF CURBS OR CURBS AND GUTTERS

GENERAL NOTES:
- PLACE CONTRACTION JOINTS AT 10' INTERVALS, EXCEPT THAT A 15' SPACING MAY BE USED WHEN A MACHINE IS USED OR WHEN SATISFACTORY SUPPORT FOR THE FACE FORM CAN BE OBTAINED WITHOUT THE USE OF TEMPLATES AT 10' INTERVALS.
- JOINT SPACING MAY BE ALTERED IF REQUIRED BY THE ENGINEER.
- CONTRACTION JOINTS MAY BE INSTALLED WITH THE USE OF TEMPLATES OR FORMED BY OTHER APPROVED METHODS. CONSTRUCT NON-TEMPLATE FORMED JOINTS A MIN. OF 1½" DEEP.
- FILL ALL CONSTRUCTION JOINTS, EXCEPT IN 8"x6" MEDIAN CURB, WITH JOINT FILLER AND SEALER.
- SPACE EXPANSION JOINTS AT 90' INTERVALS AND ADJACENT TO ALL RIGID OBJECTS.



SECTION VIEW OF JOINTS

STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

1-12

ENGLISH STANDARD DRAWING FOR

CONCRETE CURB, GUTTER AND CURB & GUTTER

SHEET 1 OF 3

846.01

STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

1-12

ENGLISH STANDARD DRAWING FOR

CONCRETE SIDEWALK

SHEET 1 OF 1

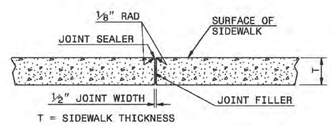
848.01

NOTES:

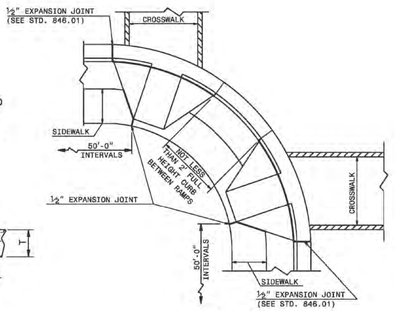
CONSTRUCT STANDARD SIDEWALK 5' WIDE AND 4" THICK UNLESS OTHERWISE DENOTED ON PLANS.

PLACE A GROOVE JOINT 1" DEEP WITH ⅛" RADII IN THE CONCRETE SIDEWALK AT 5' INTERVALS. ONE ½" EXPANSION JOINT WILL BE REQUIRED AT 50' INTERVALS. A ½" EXPANSION JOINT WILL BE REQUIRED WHERE THE SIDEWALK JOINS ANY RIGID STRUCTURE.

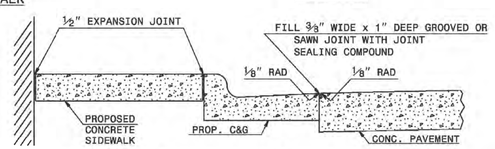
SEE STD. DWG. 848.05 FOR WHEELCHAIR RAMP LOCATION REQUIREMENTS AND CONSTRUCTION GUIDELINES.



TRANSVERSE EXPANSION JOINT IN SIDEWALK



PLAN VIEW



DETAILS SHOWING JOINTS IN CONCRETE SIDEWALK

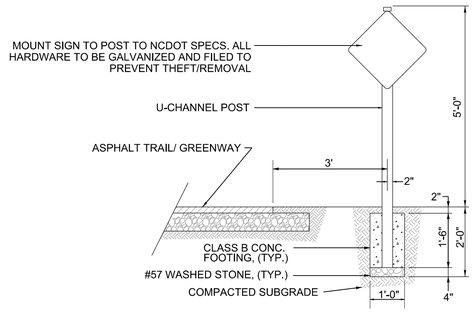
PROJECT REFERENCE NO.	SHEET NO.
EB-3314D PHASE I	2C

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 40615 ENGINEER MATTHEW C. LUDWIG

6/1/2015

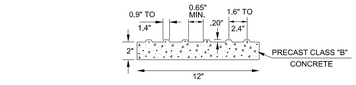
REVISIONS



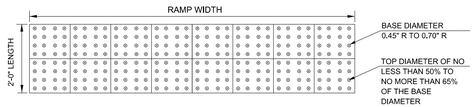
NOTES:

1. SEE PLANS FOR SIGN TYPE AND SIZE.
2. SIGNS ASSOCIATED WITH VEHICULAR TRAFFIC AND SIGNS ALONG ROADWAYS SHALL MEET NCDOT AND MUTCD SIGN REQUIREMENTS, AND BE INSTALLED PER NCDOT STANDARD DRAWING 904.50

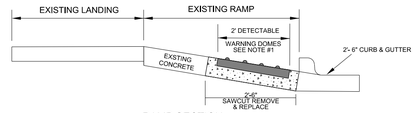
2 GREENWAY TYPICAL SIGN INSTALLATION



DETECTABLE WARNING DOMES CONCRETE PAVER

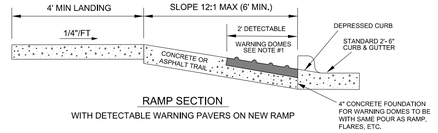


3 TRUNCATED DOME PAVERS



RAMP SECTION

WITH DETECTABLE WARNING PAVERS ON EXISTING RAMPS

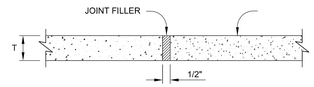


RAMP SECTION

WITH DETECTABLE WARNING PAVERS ON NEW RAMP

NOTES:

1. OBTAIN 70% CONTRAST VISIBILITY WITH ADJOINING SURFACE , EITHER LIGHT ON DARK, OR DARK ON LIGHT SEQUENCE COVERING THE DETECTABLE WARNING AREA.
2. DETECTABLE WARNING DOMES SHALL COVER 2'-0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON DETAIL.



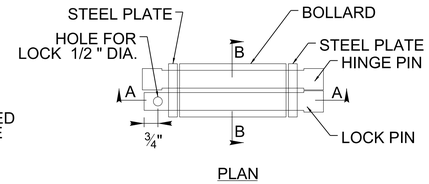
TRANSVERSE EXPANSION JOINT

NOTES:

1. TRANSVERSE EXPANSION JOINTS TO BE A MAXIMUM OF 40 FEET.
2. PLACE A GROOVE JOINT 1" DEEP AT 10' INTERVALS

4 CONCRETE GREENWAY & EDGING EXPANSION JOINTS

PERMANENT BARRIER WOOD BOLLARD



PLAN

HINGED BOLLLARD

5 BOLLARDS

6 TYPICAL BOLLARD PLACEMENT & PAVEMENT MARKING "SET OF THREE BOLLARDS"

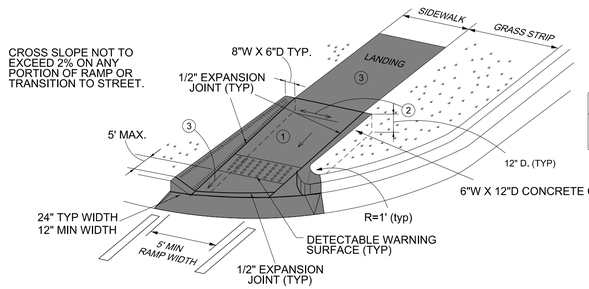
PROJECT REFERENCE NO.	SHEET NO.
EB-3314D PHASE 1	2D

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 40615 ENGINEER MATTHEW C. LUMLEY

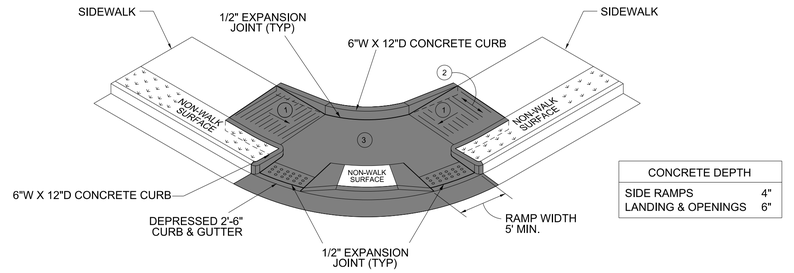
5/22/15

REVISIONS



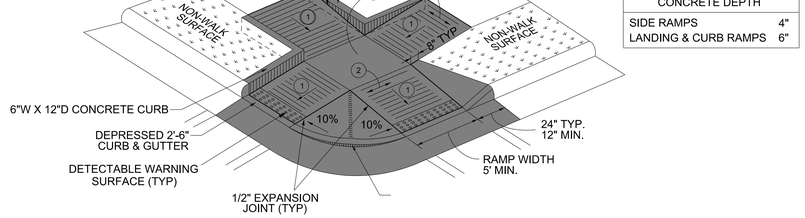
CONCRETE DEPTH	
RAMP / FLARE	6"
LANDING	4"

7 TYPE A RAMP



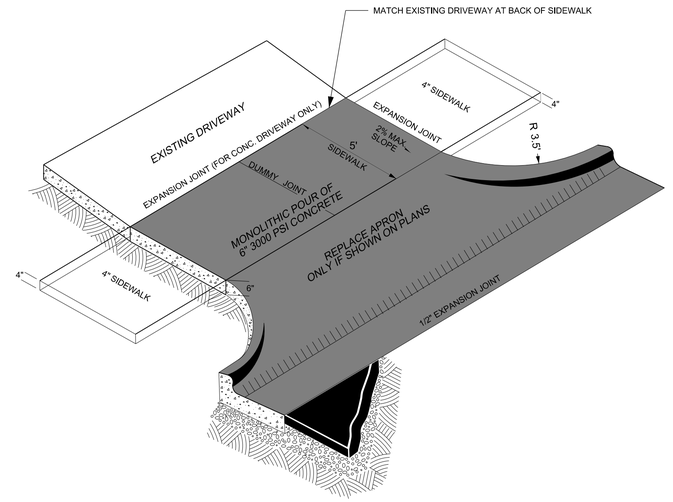
CONCRETE DEPTH	
SIDE RAMPS	4"
LANDING & OPENINGS	6"

8 TYPE B RAMP



CONCRETE DEPTH	
SIDE RAMPS	4"
LANDING & CURB RAMPS	6"

9 TYPE C RAMP



10 DRIVEWAY REPLACEMENTS

REVISIONS

PROJECT REFERENCE NO.	SHEET NO.
EB-3314D PHASE 1	2E

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 40615 ENGINEER MATTHEW C. LUMLEY

5/22/15

STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

1-12

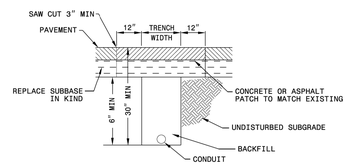
ENGLISH STANDARD DRAWING FOR

UNDERGROUND CONDUIT-TRENCHING

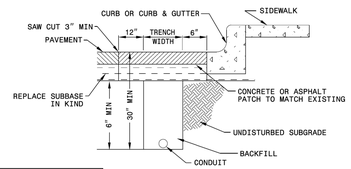
SHEET 1 OF 2

1715.01

IN EXISTING PAVEMENT (NOT AT GUTTER)

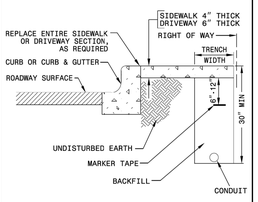


IN EXISTING PAVEMENT (AT GUTTER)

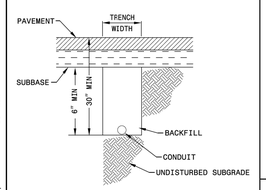


THE REMOVAL OF PAVEMENT BEYOND THE EDGES OF THE TRENCH, AS SHOWN, WILL NOT BE REQUIRED IF SAID EDGES ARE SAW CUT AND MAINTAINED NEATLY WITH NO SHATTER.

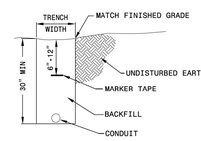
IN SIDEWALK OR DRIVEWAY



IN NEW PAVEMENT



IN EARTH



NOTE

DIG TRENCH WIDE ENOUGH TO ACCEPT THE REQUIRED CONDUITS AND TO PERMIT PROPER COMPACTION.

SHEET 1 OF 2

1715.01

STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

1-12

ENGLISH STANDARD DRAWING FOR

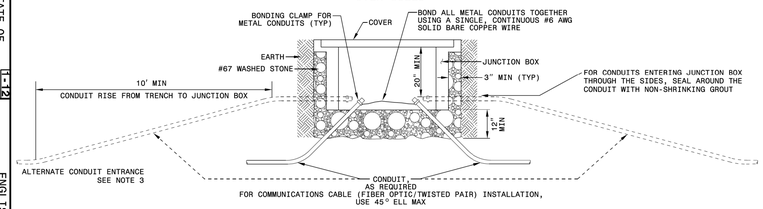
JUNCTION BOXES

SHEET 1 OF 1

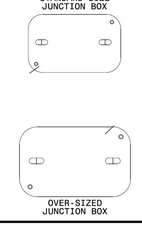
1716.01

INSTALLATION CROSS-SECTION

JUNCTION BOX OVER-SIZED



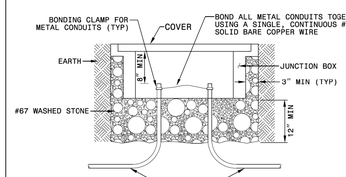
TOP VIEW OF COVER



NOTES

1. OTHER STYLES OF JUNCTION BOXES WILL BE ACCEPTABLE PROVIDED THEY SATISFY REQUIREMENTS OF SECTION 1716 OF THE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
2. SECURE COVER WITH TWO HEX BOLTS.
3. INSTALL CONDUIT THROUGH BOTTOM OF JUNCTION BOX. AS AN ALTERNATIVE, CONDUIT MAY ENTER THROUGH "MOUSE HOLE" INTO SIDE OF JUNCTION BOX.
4. FOR CURB AND GUTTER SECTIONS, LOCATE JUNCTION BOXES A MINIMUM OF 6" BEHIND BACK OF CURB AND FOR PAVEMENT SECTIONS A MINIMUM OF 2' FROM PAVEMENT EDGE OR WITHIN RIGHT OF WAY.
5. COIL AND STORE 10' OF TRACER WIRE IN ALL JUNCTION BOXES WITH FIBER OPTIC CABLE.

JUNCTION BOX STANDARD SIZE



SHEET 1 OF 1

1716.01

STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

1-12

ENGLISH STANDARD DRAWING FOR

UNDERGROUND CONDUIT-TRENCHING

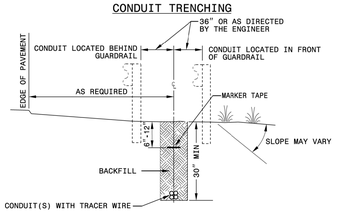
SHEET 2 OF 2

1715.01

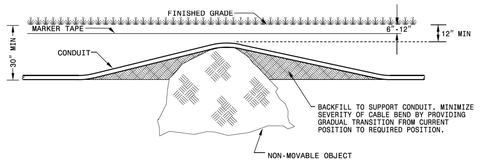
NOTE

THE CONTRACTOR, WITH APPROVAL FROM THE ENGINEER, MAY ADJUST FINAL BURIAL DEPTH OF CONDUIT(S) IN ORDER TO TRAVERSE NON-MOVABLE OBJECTS.

CONDUIT TRENCHING



CONDUIT TRENCHING AROUND NON-MOVABLE OBJECT



SHEET 2 OF 2

1715.01

NOTES:
REFER TO TYPICAL SECTIONS FOR NORMAL CONDUIT PLACEMENT.

IN LOCATIONS WHERE TREES OR OTHER OBSTACLES EXIST ON POLLOCK OR ATLANTIC, CONDUIT MAY BE PLACED UNDER SIDEWALK.

PROJECT REFERENCE NO.	SHEET NO.
EB-3314D PHASE I	2F

ROADWAY DESIGN ENGINEER

REVISIONS

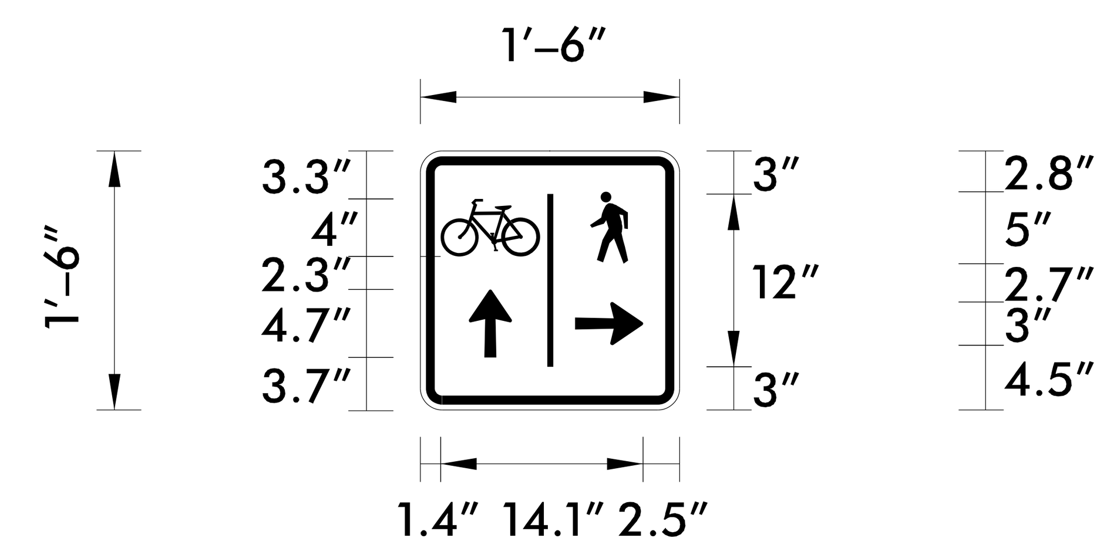
SIGN NUMBER:
TYPE: STATIONARY
QUANTITY: SEE PLANS
SIGN WIDTH: 1'-6"
HEIGHT: 1'-6"
TOTAL AREA: 2.3 Sq.Ft.
BORDER TYPE: INSET
RECESS: 0.38"
WIDTH: 0.63"
RADII: 1.13"
NO. Z BARS:
LENGTH:

BACKG COLOR: White
COPY COLOR: Black

SYMBOL	X	Y	WID	HT
Bicycle	1.4	10.7	6.9	4
Pedestrain	11.8	10.2	2.7	5
ARMED	3.4	3.6	3	4.7
ARMED	10.7	4.5	3	4.7

MAT'L: 0.080" (2.0 mm) ALUMINUM

DESIGN BY: MB
PROJECT ID: EB-3314D
CHECKED BY: ML
DIV: 2
DATE: Apr 01, 2015



USE NOTES: 1,2

1. Legend and border shall be direct applied black non-reflective sheeting.
2. Background shall be NC GRADE C white retroreflective sheeting.

BORDER
R=1.13"
TH=0.63"
IN=0.38"

Panel Style: regulatory.ssi
M.U.T.C.D.: 2009 Edition
Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter locations are panel edge to lower left corner

Series/Size
Text Length

FILENAME: H14006_PH1_RDY_PSH02
NORTH CAROLINA D.O.T. SIGN DETAIL

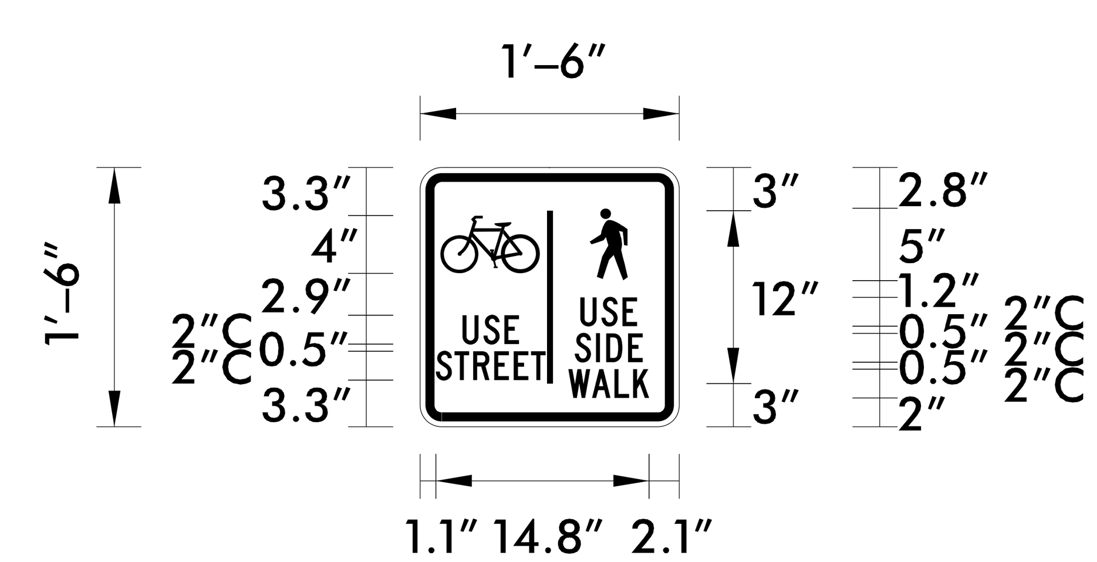
SIGN NUMBER:
TYPE: STATIONARY
QUANTITY: SEE PLANS
SIGN WIDTH: 1'-6"
HEIGHT: 1'-6"
TOTAL AREA: 2.3 Sq.Ft.
BORDER TYPE: INSET
RECESS: 0.38"
WIDTH: 0.63"
RADII: 1.13"
NO. Z BARS:
LENGTH:

BACKG COLOR: White
COPY COLOR: Black

SYMBOL	X	Y	WID	HT
Bicycle	1.4	10.7	6.9	4
Pedestrain	11.8	10.2	2.7	5

MAT'L: 0.080" (2.0 mm) ALUMINUM

DESIGN BY: MB
PROJECT ID: EB-3314D
CHECKED BY: ML
DIV: 2
DATE: Apr 01, 2015



USE NOTES: 1,2

1. Legend and border shall be direct applied black non-reflective sheeting.
2. Background shall be NC GRADE C white retroreflective sheeting.

BORDER
R=1.13"
TH=0.63"
IN=0.38"

Panel Style: regulatory.ssi
M.U.T.C.D.: 2009 Edition
Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter locations are panel edge to lower left corner

						Series/Size Text Length
U	S	E				C 2000
11.1	12.6	14.1				3.9
U	S	E				C 2000
2.9	4.4	5.9				3.9
S	I	D	E			C 2000
10.7	12.2	12.9	14.4			4.7
S	T	R	E	E	T	C 2000
1.1	2.4	3.7	5.1	6.5	7.7	7.6
W	A	L	K			C 2000
10.3	11.9	13.5	14.8			5.6

FILENAME: H14006_PH1_RDY_PSH02
NORTH CAROLINA D.O.T. SIGN DETAIL

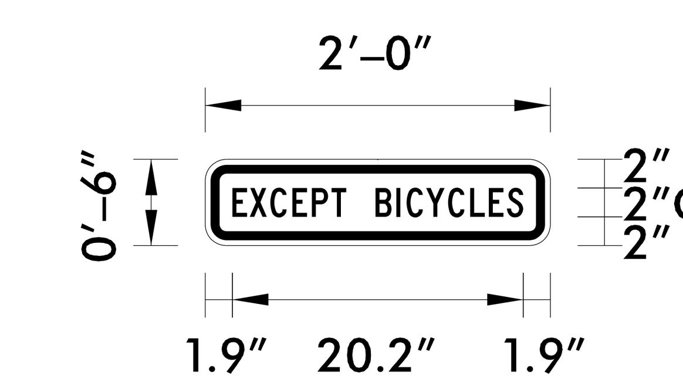
SIGN NUMBER:
TYPE: STATIONARY
QUANTITY: SEE PLANS
SIGN WIDTH: 2'-0"
HEIGHT: 0'-6"
TOTAL AREA: 1.0 Sq.Ft.
BORDER TYPE: INSET
RECESS: 0.38"
WIDTH: 0.63"
RADII: 1.13"
NO. Z BARS:
LENGTH:

BACKG COLOR: White
COPY COLOR: Black

SYMBOL	X	Y	WID	HT

MAT'L: 0.080" (2.0 mm) ALUMINUM

DESIGN BY: MB
PROJECT ID: EB-3314D
CHECKED BY: ML
DIV: 2
DATE: Apr 01, 2015



USE NOTES: 1,2

1. Legend and border shall be direct applied black non-reflective sheeting.
2. Background shall be NC GRADE C white retroreflective sheeting.

BORDER
R=1.13"
TH=0.63"
IN=0.38"

Panel Style: regulatory.ssi
M.U.T.C.D.: 2009 Edition
Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

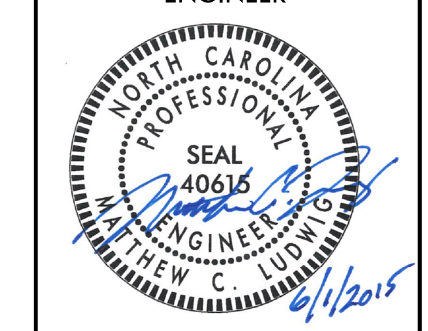
Letter locations are panel edge to lower left corner

															Series/Size Text Length
E	X	C	E	P	T		B	I	C	Y	C	L	E	S	C 2000
1.9	3.1	4.5	6.1	7.4	8.8	9.8	11.8	13.3	14	15.4	16.9	18.4	19.7	21	20.2

FILENAME: H14006_PH1_RDY_PSH02
NORTH CAROLINA D.O.T. SIGN DETAIL

PROJECT REFERENCE NO.	SHEET NO.
EB-3314D PHASE I	2G

ROADWAY DESIGN ENGINEER



REVISIONS

SIGN NUMBER:
TYPE: STATIONARY
QUANTITY: SEE PLANS

SIGN WIDTH: 2′-6″
HEIGHT: 3′-3″
TOTAL AREA: 8.13 Sq.Ft.

BORDER TYPE: INSET
RECESS: 0″
WIDTH: 0″
RADII: 0″

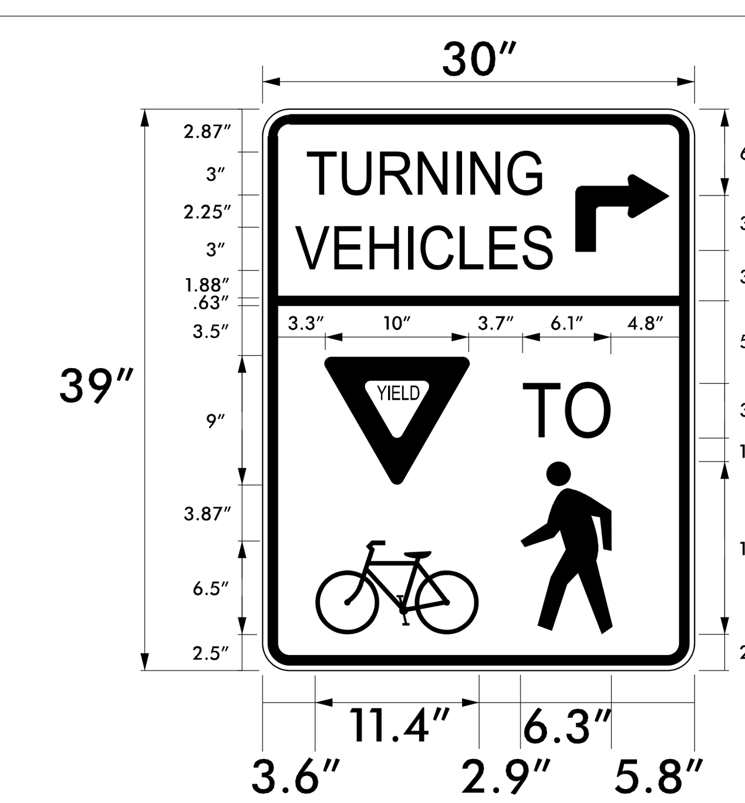
NO. Z BARS:
LENGTH:

BACKG COLOR: White
COPY COLOR: Black/Red

SYMBOL	X	Y	WID	HT
Bicycle	3.6	2.5	11.4	6.5
Pedestrain	17.9	2.5	6.3	12
Yield	4.3	12.9	10	9
ARMED	21.6	29.2	6.4	5.3

MAT′L: 0.080″ (2.0 mm) ALUMINUM

DESIGN BY: MB
PROJECT ID: EB-3314D
CHECKED BY: ML
DIV: 2
DATE: June 01, 2015



BORDER
R=1.13″
TH=0.63″
IN=0.38″

USE NOTES: 1,2,3

1. Border, arrow, pedestrian & bike lane logo shall be direct applied black non-reflective sheeting.
2. Yield sign logo shall be NC GRADE C red retroreflective sheeting.
3. Background shall be NC GRADE C white retroreflective sheeting.

Panel Style: regulatory.ssi
M.U.T.C.D.: 2009 Edition
Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter locations are panel edge to lower left corner

Series/Size
Text Length

FILENAME: H14006_PH1_RDY_PSH02

NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER:
TYPE: STATIONARY
QUANTITY: SEE PLANS

SIGN WIDTH: 2′-6″
HEIGHT: 2′-0″
TOTAL AREA: 5.0 Sq.Ft.

BORDER TYPE: INSET
RECESS: 0.38″
WIDTH: 0.63″
RADII: 1.13″

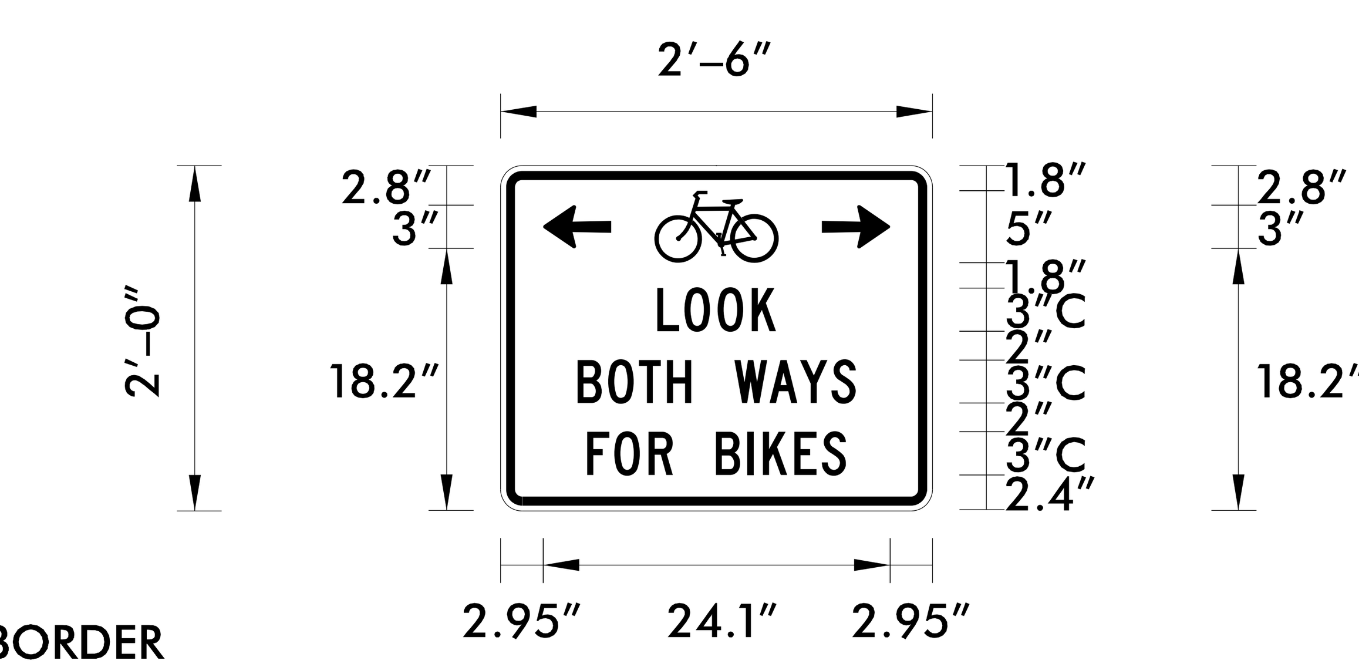
NO. Z BARS:
LENGTH:

BACKG COLOR: Fluorescent Yellow-Green
COPY COLOR: Black

SYMBOL	X	Y	WID	HT
ARMED	3	18.3	3	4.7
Bicycle	10.7	17.3	8.6	5
ARMED	22.3	18.3	3	4.7

MAT′L: 0.080″ (2.0 mm) ALUMINUM

DESIGN BY: MB
PROJECT ID: EB-3314D
CHECKED BY: ML
DIV: 2
DATE: Apr 01, 2015



BORDER
R=1.13″
TH=0.63″
IN=0.38″

USE NOTES: 1,2

1. Legend and border shall be direct applied black non-reflective sheeting.
2. Background shall be NC GRADE B flourescent yellow-green retroreflective sheeting.

Panel Style: regulatory.ssi
M.U.T.C.D.: 2009 Edition
Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter locations are panel edge to lower left corner

									Series/Size Text Length
L	O	O	K						C 2000
10.9	12.8	15.1	17.4						8.3
B	O	T	H		W	A	Y	S	C 2000
5.3	7.5	9.6	11.6	13.2	16.2	18.7	20.8	23	19.3
F	O	R		B	I	K	E	S	C 2000
6	7.9	10.3	12	15	17.1	18.2	20.4	22.3	18

FILENAME: H14006_PH1_RDY_PSH02

NORTH CAROLINA D.O.T. SIGN DETAIL

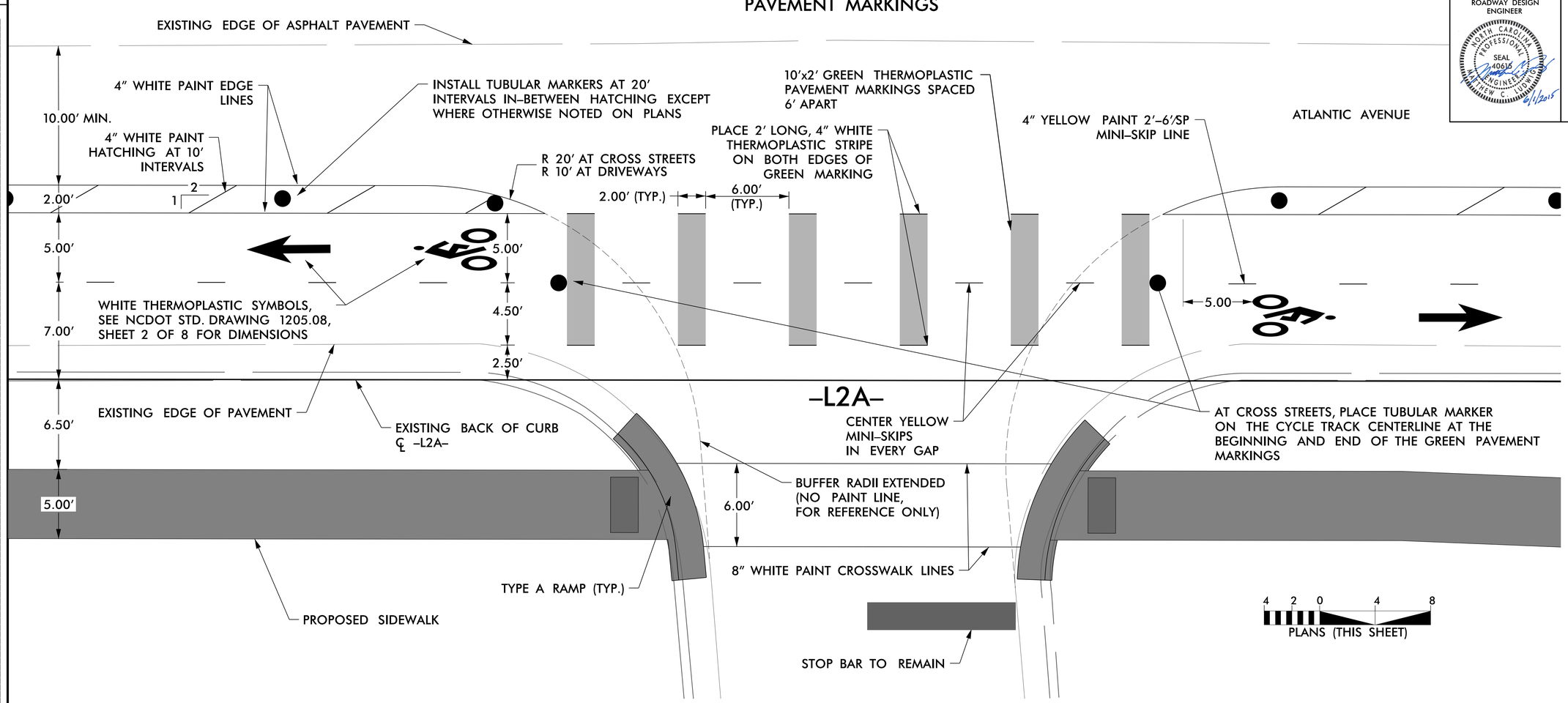
ATLANTIC AVENUE TYPICAL PAVEMENT MARKINGS

PROJECT REFERENCE NO.	SHEET NO.
EB-3314D PHASE I	2H

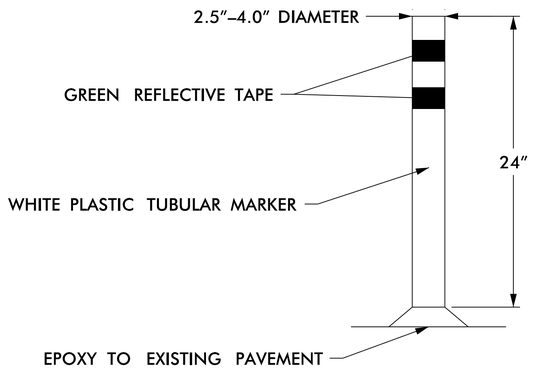
ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 40615 ENGINEER MATTHEW C. LUDWIG
6/1/2015

REVISIONS



TUBULAR MARKER DETAIL



NOTES:
1. SEE SHEET 11 FOR ALL SIGNAGE ON ATLANTIC AVENUE.
2. SEE SPECIFICATIONS FOR SPECIFIC INSTALLATION REQUIREMENTS.

PROJECT REFERENCE NO.	SHEET NO.
EB-3314D PHASE 1	21

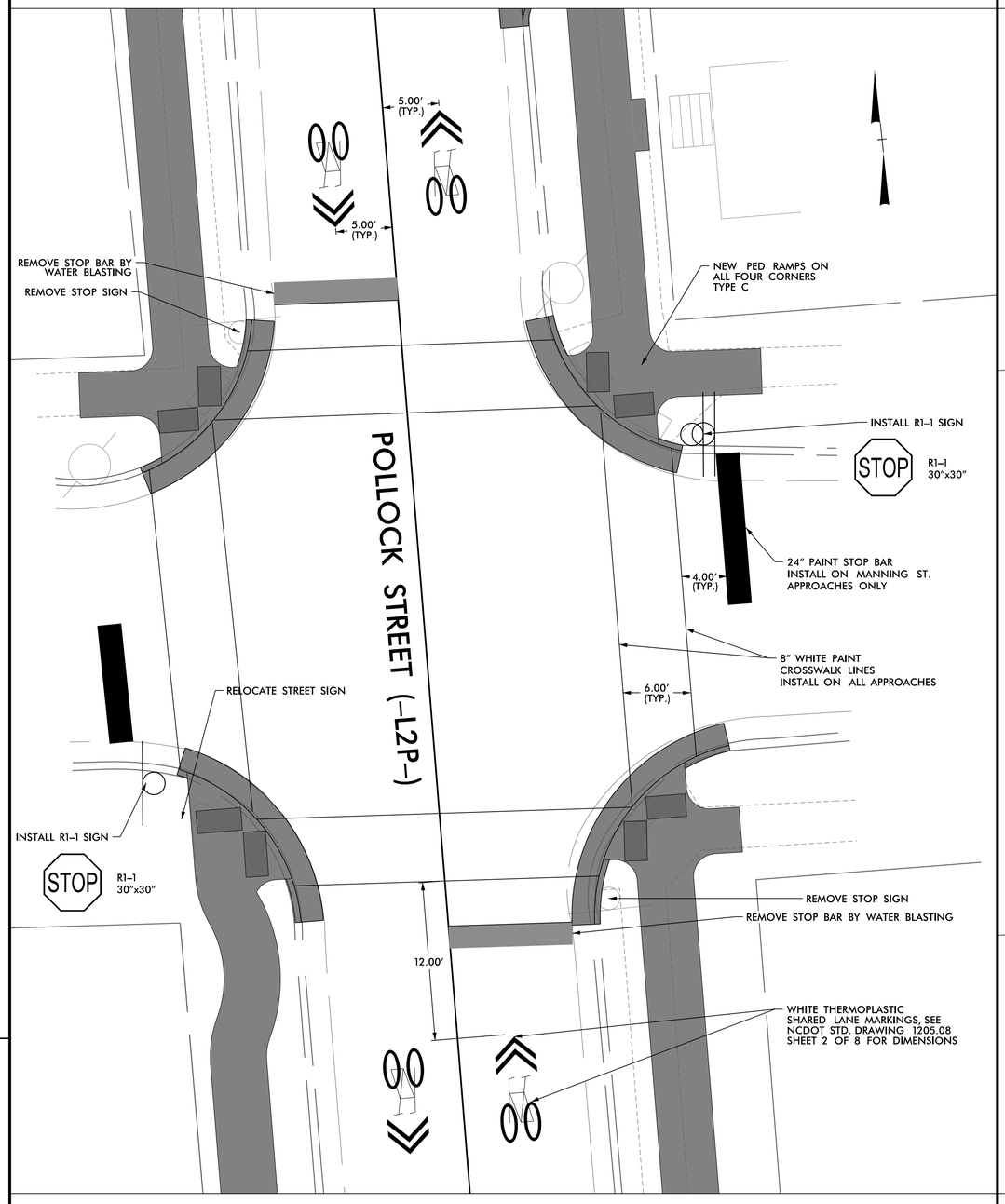
ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 40615 ENGINEER MATTHEW C. LUDWIG

5/22/15

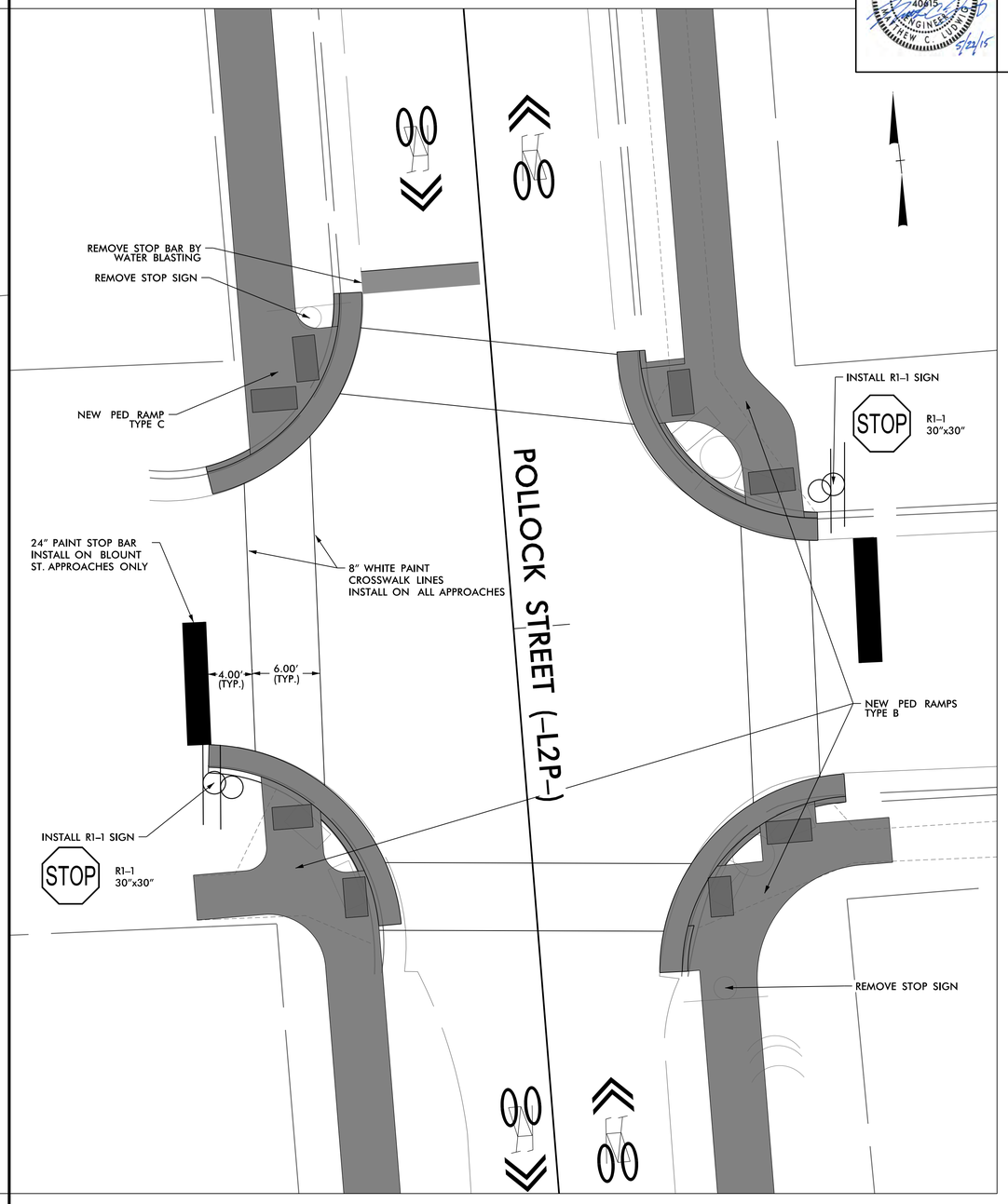
REVISIONS

TYPICAL SIGNING & STRIPING OF POLLOCK STREET AT MANNING STREET



5 2.5 0 5 10
PLANS (THIS SHEET)

TYPICAL SIGNING & STRIPING OF POLLOCK STREET AT BLOUNT STREET



5 2.5 0 5 10
PLANS (THIS SHEET)

REVISIONS

Note: Invert Elevations indicated are for Bid Purposes only and shall not be used for project construction stakeoout.
See "Standard Specifications For Roads and Structures, Section 300-5".

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

STATION (SIZE / THICKNESS OR GAUGE)	LOCATION (LT,RT, OR CL)	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	R.C. PIPE (CLASS III) 15"	18"	24"	30"	36"	42"	48"
51+72 -L3-	LT	601		40.00	37.16																					
51+72 -L3-	LT	601	EXIST		37.16	37.10															12					
59+52 -L3-	CL	0701			36.20	35.60				21																
TOTALS										21											12					

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')	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	D.I. FRAME WITH GRATE STD. 840.16	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	D.I. STD. 840.14 OR STD. 840.15	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
51+72 -L3-								1										1					1		0.45			REMOVE EXISTING D.I.
51+72 -L3-																												
59+52 -L3-																											12	
TOTALS								1										1					1		0.45		12	

* TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL.'B')

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

REVISIONS

LIST OF SIGNAGE ALONG TRAIL

				TYPE OF SIGNS																									
SIGNAGE SYMBOL				A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	Q	R	S	T	U	V	W	X	Y	Z	
ALIGNMENT	STATION	LOCATION (LT OR RT)	OFFSET (FT)	CUSTOM 1	BIKES YIELD TO PEDS	AUTHORIZED VEHICLES ONLY	STOP	CUSTOM 2	ONE-WAY	MODIFIED R10-15	NOT USED	CUSTOM 3	DO NOT ENTER	CUSTOM 1A	YIELD	IN-STREET PED CROSSING	BICYLES/PEDESTRIANS	TRAIL X-ING	DIAGONAL ARROW DOWN										COMMENTS
L1	97+40	RT	8'	1																									CUSTOM
L1	97+65	LT	8'		1																								R9-6
L2A	11+50	LT	27.5'			1																							R5-11
L2A	11+63	RT	4'				1																						R1-1
L2A	11+63	RT	4'					1																					CUSTOM
L2A	11+88	RT	4'						1																				R6-1L
L2A	11+88	RT	4'					1																					CUSTOM
L2A	13+95	RT	4'							1																			MODIFIED R10-15
L2A	14+41	RT	13'									1																	CUSTOM
L2A	16+84	LT	31'					1																					CUSTOM
L2A	21+33	RT	4'							1																			MODIFIED R10-15
L2A	21+47	LT	32'					1																					CUSTOM
L2A	21+65	RT	14'									1																	CUSTOM
L2A	23+93.50	RT	4'							1																			MODIFIED R10-15
L2A	24+14	LT	30					1																					CUSTOM
L2A	24+33	RT	16'									1																	CUSTOM
L2A	27+37	LT	30'										1																R5-1
L2A	27+37	LT	30'					1																					CUSTOM
L2A	27+63.50	RT	2'							1																			MODIFIED R10-15
L2A	27+73	LT	31.5'					1																					CUSTOM
L2P	32+99	LT	25'				1																						R1-1
L2P	33+26	RT	25'				1																						R1-1
L2P	35+90	LT	28'				1																						R1-1
L2P	36+12	RT	26'				1																						R1-1
L3	40+25	LT	8'											1															CUSTOM
L3	56+96	RT	8'		1																								R9-6
L3	57+44	LT	8'		1																								R9-6
Y1	10+35	RT	9'												1														R1-2
Y2	10+12	LT	9'												1														R1-2
Y2	12+83.50	LT	3'				1																						R1-1
HERITAGE ST.																1													R1-6 (SEE SHEET 6 FOR LOCATION)
HERITAGE ST.																	1												W11-15 (SEE SHEET 6 FOR LOCATION)
HERITAGE ST.																		1											W11-15P (SEE SHEET 6 FOR LOCATION)
HERITAGE ST.																			1										W16-7P (SEE SHEET 6 FOR LOCATION)
HERITAGE ST.																	1												W11-15 (SEE SHEET 6 FOR LOCATION)
HERITAGE ST.																		1											W11-15P (SEE SHEET 6 FOR LOCATION)
HERITAGE ST.																			1										W16-7P (SEE SHEET 6 FOR LOCATION)
SUBTOTAL				1	3	1	6	7	1	4		3	1	1	2	1	2	2	2										
SIGNAGE SYMBOL				A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	Q	R	S	T	U	V	W	X	Y	Z	

SIGN A

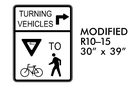
SIGN B

SIGN C

SIGN D

SIGN E

SIGN F



SIGN G

SIGN I

SIGN J

SIGN K

SIGN L

SIGN M


W11-15
30"x30"
SIGN N

W11-15P
24"x18"
SIGN P

W16-7P
24"x12"
SIGN Q

PROJECT REFERENCE NO.	SHEET NO.
EB-3314D PHASE 1	4

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 40615 ENGINEER MATTHEW C. LUDWIG
6/1/2015

REVISIONS

END CONCRETE PAVING
MATCH EXISTING ROADWAY
BEGIN PROTECTED BIKE LANES
–L1– STA. 97+97.47 =
–L2A– STA. 10+00.21, 6.71' LT

INSTALL SIGN
–L1– STA. 97+65, 8' LT

R9–6
12"x18"

INSTALL PULL BOX
BEGIN 2" CONDUIT
–L1– STA. 97+55, 8' LT

PC Sta.97+33.92

BEGIN PHASE 1 CONSTRUCTION
CONCRETE GREENWAY
–L1– STA. 97+10.00

PHASE 2 TO BE COMPLETED
AT A FUTURE DATE

PT Sta.96+60.80

–L1–

END GRADE
TIE TO EXISTING PAVEMENT
–L1– STA. 97+97.47
EL. = 44.24

BEGIN GRADE
–L1– STA. 97+10.00
EL. = 43.98

(+)0.3000%

60 / 50 / 40 — 96 / 97 / 98

N/F
CAROLINA POWER & LIGHT
D.B. 673, PG. 165
PIN 4515942239

N/F
CAROLINA POWER & LIGHT
D.B. 138, PG. 158
PIN 4515947632

REMOVE SOUTH HALF
OF EXISTING FENCE,
SEE DETAILS

REPLACE EXISTING 24"x24"
INLET GRATE WITH BICYCLE
SAFE GRATE AND CLEAN
DEBRIS OUT OF STREET

INSTALL SIGN
–L1– STA. 97+40, 8' RT

CUSTOM
18"x18"

N/F
CITY OF KINSTON
D.B. 30, PG. 243
PIN 4515948250

INSTALL SIGN
–L2A– STA. 11+50, 27.5'LT

R5–11
30"x24"

NELSON STREET

RR CROSSING

4" WHITE PAINT
2'–6'/SP MINI–SKIP, R 30'

THERMOPLASTIC LEFT TURN ARROW

NCRR CORRIDOR BOUNDARY

PLACE TUBULAR MARKERS
AT 5' INTERVALS
–L2A– STA. 11+85 TO 12+70

REMOVE EXISTING W1–7 SIGN
INSTALL NEW SIGNS
–L2A– STA. 11+88, 4.0'RT

ONE WAY
EXCEPT BICYCLES

R6–1L
36"x12"

CUSTOM
24"x6"

INSTALL TYPE A CURB RAMP

REPLACE EXISTING STOP SIGN
–L2A– STA. 11+63, 4.0'RT

STOP
EXCEPT BICYCLES

R1–1
30"x30"

CUSTOM
24"x6"

INSTALL PULL BOX
–L2A– STA. 14+45, 5' RT

RELOCATE
GUYWIRE
(BY OTHERS)

INSTALL SIGN
–L2A– STA. 13+95, 4.0'RT

TURNING VEHICLES
TO

MODIFIED R10–15
(30"x39")

INSTALL PULL BOXES ON
BOTH SIDES OF DRIVEWAY,
5' BEHIND CURB

MOUNT SIGN BELOW EXISTING R6–1R
–L2A– STA. 16+84, 31' LT

ONE WAY
EXCEPT BICYCLES

R6–1R (EXISTING)

CUSTOM
24"x6"

ROUTE 2" CONDUIT UNDER
SIDEWALK TO AVOID TREES
WHERE NECESSARY (TYP.)

NORTH CAROLINA RAILROAD

ATLANTIC AVENUE

–L2A–

KEEP EXISTING R1–1 SIGN
INSTALL SIGN BELOW R1–1
–L2A– STA. 14+41, 13'RT

STOP
LOOK BOTH WAYS FOR BIKES

R1–1 (EXISTING)

CUSTOM
30"x24"

PROPERTY LINE

REMOVE DRIVEWAY APRONS, REPLACE
WITH 2'–6" CURB & GUTTER

N/F
MCCONNELL HOLDINGS, INC.
D.B. 1439, PG. 328
PIN 4525047216

N/F
CITY OF KINSTON
PIN 4525043645

MATCH LINE –L2A– STA. 19+00

NOTES:
1. SEE SHEETS 2E & 2F FOR MORE DETAILS ON PAVEMENT MARKINGS AND TUBULAR MARKERS.
2. SEE TYPICAL SECTIONS FOR DIMENSIONS OF LANES AND SIDEWALK.
3. COORDINATE WITH THE CITY OF KINSTON TO CURVE OR NARROW SIDEWALKS AROUND TREES AS NEEDED TO PREVENT DISTURBANCE OF ROOT SYSTEMS
4. ALL PED RAMPS SHOWN ON THIS SHEET SHALL BE TYPE A RAMPS.

INSTALL SIGN BELOW & REMOUNT
EXISTING STREET SIGNS
–L2A– STA. 23+93.50, 4.0'RT

TURNING VEHICLES
TO

MODIFIED R10–15
(30"x39")

INSTALL PULL BOXES ON
BOTH SIDES OF PERRY
STREET, 5' BEHIND CURB

MOUNT SIGN BELOW EXISTING R6–1R
–L2A– STA. 27+79, 31.5' LT

ONE WAY
EXCEPT BICYCLES

R6–1R (EXISTING)

CUSTOM
24"x6"

MOUNT SIGN BELOW
EXISTING R6–1R
–L2A– STA. 24+14, 30' LT

ONE WAY
EXCEPT BICYCLES

R6–1R (EXISTING)

CUSTOM
24"x6"

INSTALL SIGNS
–L2A– STA. 27+37, 30'LT

DO NOT ENTER
EXCEPT BICYCLES

R5–1
30"x30"

CUSTOM
24"x6"

INSTALL PULL BOX
–L2A– STA. 27+69, 4.5' RT

SEE INTERSECTION
DETAIL THIS SHEET

RELOCATE EXISTING SIGN ASSEMBLY
MOUNT SIGN BELOW EXISTING R6–1R
–L2A– STA. 21+47, 32' LT

ONE WAY
EXCEPT BICYCLES

R6–1R (EXISTING)

CUSTOM
24"x6"

PI Sta.21+72.79

NCRR CORRIDOR BOUNDARY

NORTH CAROLINA RAILROAD

ATLANTIC AVENUE

PROPERTY LINE

INSTALL SIGN BELOW & REMOUNT
EXISTING STREET SIGNS
–L2A– STA. 21+33, 4.0'RT

TURNING VEHICLES
TO

MODIFIED R10–15
(30"x39")

KEEP EXISTING R1–1 SIGNS
INSTALL SIGN BELOW R1–1
–L2A– STA. 21+65, 14' RT
–L2A– STA. 24+33, 16' RT

STOP
LOOK BOTH WAYS FOR BIKES

R1–1 (EXISTING)

CUSTOM
30"x24"

PC Sta.24+56.51

TIE TO EXISTING
DRIVEWAYS AND WALKS
(TYP.)

INSTALL SIGN BELOW &
REMOUNT EXISTING STREET SIGNS
–L2A– STA. 27+63.50, 2.0'RT

TURNING VEHICLES
TO

MODIFIED R10–15
(30"x39")

POT Sta.30+00.00

PI Sta.28+16.86

PT Sta.27+62.35

KEEP EXISTING R1–1 SIGN
–L2A– STA. 27+56, 14'RT

STOP

R1–1
(EXISTING)

PRESERVE BRICK PAVERS

REHM STREET

PERRY STREET

POLLOCK STREET

–L2P–

INSTALL PULL BOXES ON
BOTH SIDES OF REHM
STREET, 5' BEHIND CURB

MATCH EXISTING LEAD
WALK AT EDGE OF
EXISTING SIDEWALK

N/F
GLEN RAVEN BAPTIST CHURCH
D.B. 1439, PG. 335
PIN 4525048655

N/F
JEAN HILL
D.B. 657, PG. 743
PIN 4525141611

N/F
WALTER R. KILLINGER JR.
D.B. 279, PG. 122
PIN 4525143614

N/F
LEROY TAYLOR
D.B. 1119, PG. 214
PIN 4525143683

N/F
GILLETTE & WADE CONST. INC.
D.B. 580, PG. 469
PIN 4525144633

N/F
MARIE H. MCLOUD
D.B. 843, PG. 489
PIN 4525144686

N/F
MIKE III & LINDA M. LEE
D.B. 1585, PG. 459
PIN 4525145645

N/F
MIKE III & LINDA M. LEE
D.B. 634, PG. 106
PIN 4525145517

N/F
SMART KINSTON, LLC.
D.B. 1251, PG. 158
PIN 4525145521

N/F
SMART KINSTON, LLC.
D.B. 1251, PG. 158
PIN 4525145416

N/F
SMART KINSTON, LLC.
D.B. 657, PG. 265

N/F
LOUELLEN WOODS
D.B. 1085, PG. 793
PIN 4525131466661

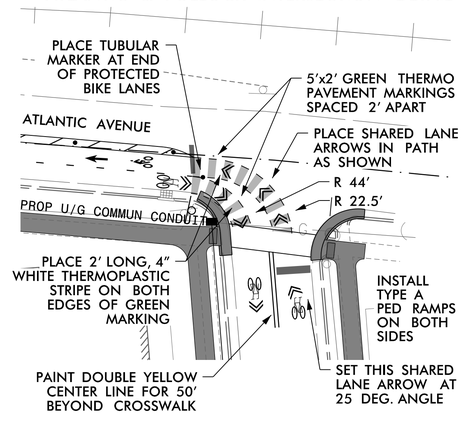
N/F
SMART KINSTON, LLC
D.B. 657, PG. 265
PIN 4525131466553

N/F
LINDA M. LEE
D.B. 615, PG. 351
PIN 4525131466553

N/F
LINDA M.
D.B. 573, PG. 444
PIN 4525131466457

MATCH LINE –L2P– STA. 32+50+00

ATLANTIC & POLLOCK INTERSECTION DETAIL



PROJECT REFERENCE NO.	SHEET NO.
EB-3314D PHASE I	5

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 40615 MATTHEW C. LUDWIG

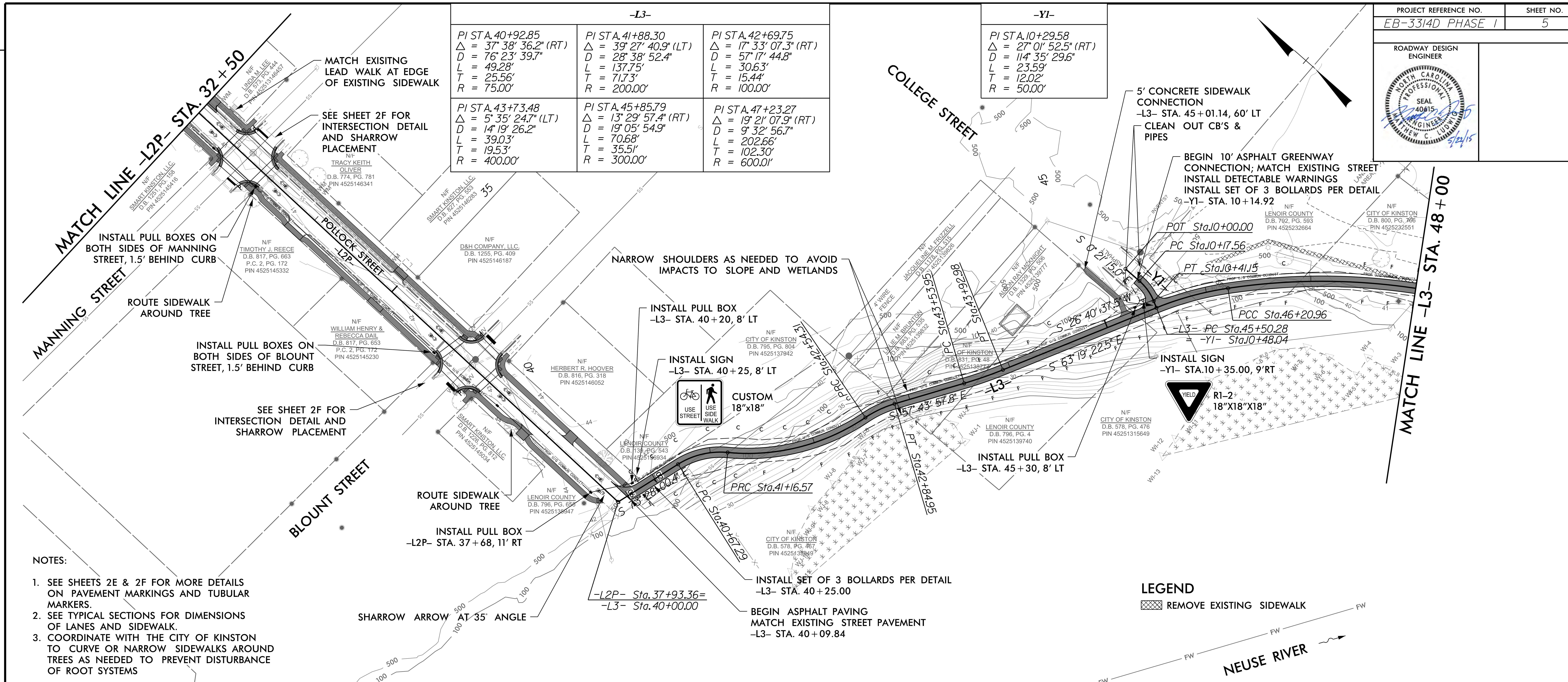
5/22/15

-L3-

PI STA. 40+92.85 Δ = 37° 38′ 36.2″ (RT) D = 76° 23′ 39.7″ L = 49.28′ T = 25.56′ R = 75.00′	PI STA. 41+88.30 Δ = 39° 27′ 40.9″ (LT) D = 28° 38′ 52.4″ L = 137.75′ T = 71.73′ R = 200.00′	PI STA. 42+69.75 Δ = 17° 33′ 07.3″ (RT) D = 57° 17′ 44.8″ L = 30.63′ T = 15.44′ R = 100.00′
PI STA. 43+73.48 Δ = 5° 35′ 24.7″ (LT) D = 14° 19′ 26.2″ L = 39.03′ T = 19.53′ R = 400.00′	PI STA. 45+85.79 Δ = 13° 29′ 57.4″ (RT) D = 19° 05′ 54.9″ L = 70.68′ T = 35.51′ R = 300.00′	PI STA. 47+23.27 Δ = 19° 21′ 07.9″ (RT) D = 9° 32′ 56.7″ L = 202.66′ T = 102.30′ R = 600.01′

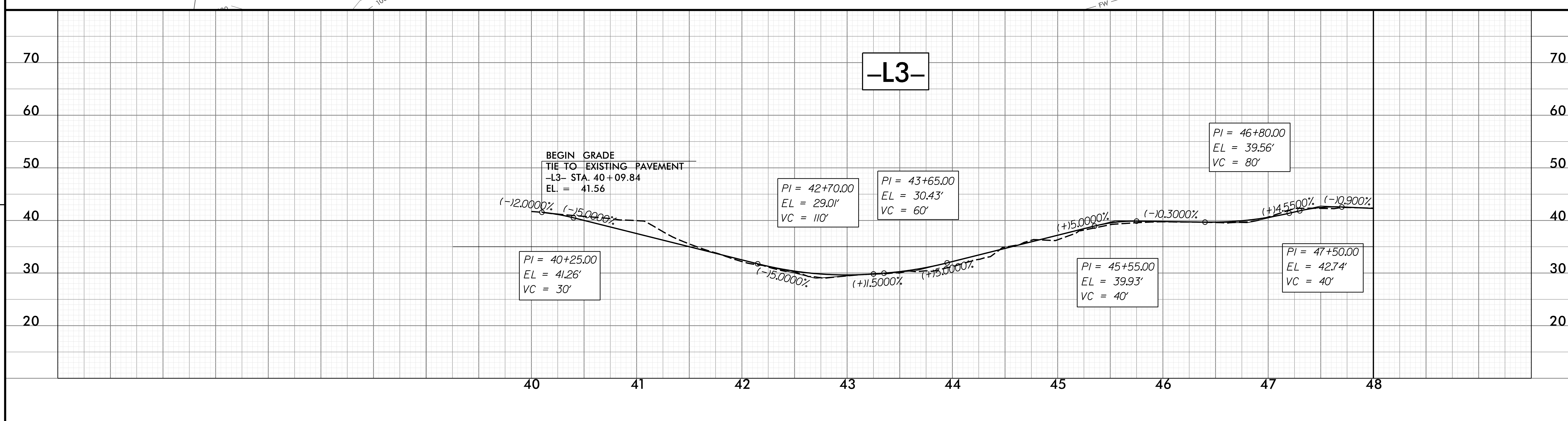
-Y1-

PI STA. 10+29.58 Δ = 27° 01′ 52.5″ (RT) D = 114° 35′ 29.6″ L = 23.59′ T = 12.02′ R = 50.00′



NOTES:

1. SEE SHEETS 2E & 2F FOR MORE DETAILS ON PAVEMENT MARKINGS AND TUBULAR MARKERS.
2. SEE TYPICAL SECTIONS FOR DIMENSIONS OF LANES AND SIDEWALK.
3. COORDINATE WITH THE CITY OF KINSTON TO CURVE OR NARROW SIDEWALKS AROUND TREES AS NEEDED TO PREVENT DISTURBANCE OF ROOT SYSTEMS



REVISIONS

PROJECT REFERENCE NO.	SHEET NO.
EB-3314D PHASE 1	6

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 40615 ENGINEER MATTHEW C. LUDWIG

5/22/15

REVISIONS

–Y2–		
PI STA. 10+91.67 Δ = 77° 38' 44.9" (RT) D = 95° 29' 34.7" L = 81.31' T = 48.28' R = 60.00'	PI STA. 12+08.42 Δ = 23° 30' 15.3" (LT) D = 114° 35' 29.6" L = 20.51' T = 10.40' R = 50.00'	PI STA. 12+28.93 Δ = 23° 30' 15.3" (RT) D = 114° 35' 29.6" L = 20.51' T = 10.40' R = 50.00'

–L3–		
PI STA. 49+41.65 Δ = 32° 52' 42.7" (LT) D = 14° 19' 27.2" L = 229.53' T = 118.02' R = 400.00'	PI STA. 51+01.29 Δ = 77° 28' 40.4" (RT) D = 95° 29' 18.0" L = 81.14' T = 48.14' R = 60.00'	PI STA. 53+20.11 Δ = 73° 22' 58.1" (LT) D = 76° 23' 39.7" L = 96.06' T = 55.89' R = 75.00'
PI STA. 54+19.76 Δ = 46° 58' 41.6" (RT) D = 76° 23' 39.7" L = 61.49' T = 32.59' R = 75.00'	PI STA. 54+81.72 Δ = 47° 34' 43.7" (LT) D = 76° 23' 39.7" L = 62.28' T = 33.06' R = 75.00'	PI STA. 56+84.94 Δ = 26° 03' 01.4" (LT) D = 95° 29' 34.7" L = 27.28' T = 13.88' R = 60.00'

INSTALL PULL BOX –L3– STA. 48+65, 8' LT

NORTH STREET

MATCH LINE –L3– STA. 48+00

PRC Sta.48+23.62

MAKE 5' CONCRETE SIDEWALK CONNECTIONS THROUGHOUT PARK (TYP.)

RETAIN DI & PIPE

PRC Sta.50+53.15

COLLAR & EXTEND 18" RCP-III

PT Sta.51+34.29

BEGIN CONCRETE EDGING –L3– STA. 48+81.80

LIGHTPOLE TO REMAIN REMOVE WOOD FENCE

REMOVE BENCHES IN GREENWAY PATH AND RETURN TO THE CITY OF KINSTON (TYP.)

PC Sta.52+64.22

MITCHELL STREET

GORDON STREET

INSTALL PULL BOX –L3– STA. 53+02, 8' LT

MATCH EXISTING CONCRETE –L3– STA. 53+43.98 –L3– STA. 53+92.06

PT Sta.53+60.28

PRC Sta.53+87.17

PRC Sta.54+48.66

PT Sta.55+10.94

MATCH EXISTING BOARDWALK –L3– STA. 56+96.30 –L3– STA. 57+42.08

PC Sta.56+71.06

PC Sta.57+43.60

MATCH LINE –L3– STA. 58+00

NEUSE RIVER

REMOVE TREES WITHIN SLOPE STAKE LIMITS CONFIRM WITH CITY OF KINSTON PRIOR TO REMOVAL

INSTALL SIGN (FACING WEST) –Y2– STA. 12+83.50, 3' LT

R1–1 18"X18"

INSTALL 24" YIELD LINE AT LOCATIONS AS SHOWN

END ASPHALT PAVING AND CONCRETE EDGING MATCH EXISTING SIDEWALK –Y2– STA. 12+77.11

INSTALL DETECTABLE WARNINGS ON EXISTING RAMP

MATCH EXISTING ASPHALT INSTALL 8" WHITE PAINT CROSSWALK –Y2– STA. 11+68.94 –Y2– STA. 11+92.66

INSTALL PULL BOX –L3– STA. 57+05, 35' LT

REMOVE EXISTING TREE

PT Sta.11+24.70

INSTALL PULL BOX –Y2– STA. 10+73, 15' LT

INSTALL SIGN –Y2– STA. 10+12, 9' LT

R1–2 18"X18"X18"

5' CONCRETE SIDEWALK CONNECTION –L3– STA. 57+00, 47.55' LT

PC Sta.10+43.39

INSTALL SIGN –L3– STA. 57+44, 8' LT –L3– STA. 56+96, 8' RT

RETAIN

R9–6 12"x18"

PT Sta.56+98.34

PC Sta.12+39.04

PRC Sta.12+58.53

PT Sta.12+78.02

INSTALL HIGH VISIBILITY THERMOPLASTIC CROSSWALK

INSTALL PED RAMP TO LINE UP WITH 8' WALK REBUILD SURROUNDING SIDEWALK TO CONFORM TO ADA SLOPES

INSTALL THIS SET OF SIGNS AT CROSSWALK FOR BOTH DIRECTIONS OF HERITAGE ST.

INSTALL 2–SIDED, FLEXIBLE, IN–STREET PEDESTRIAN CROSSING SIGNS AT CENTERLINE OF CROSSWALK IN CENTERLINE OF STREET

W11–15 30"x30"

W11–15P 24"x18"

W16–7P 24"x12"

R1–6 12"X36"

HERITAGE STREET

PT Sta.12+84.23

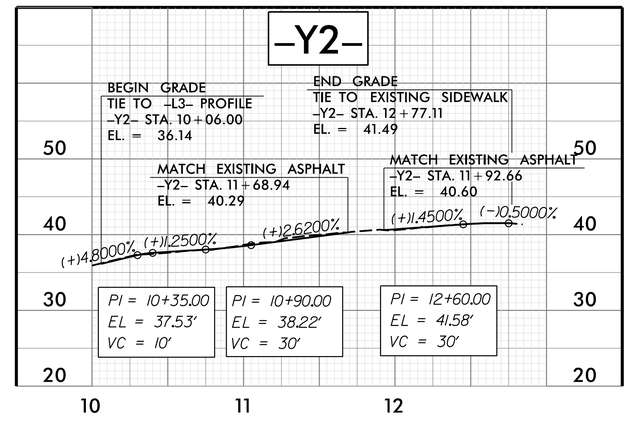
INSTALL PULL BOX –Y2– STA. 12+74, 23' RT

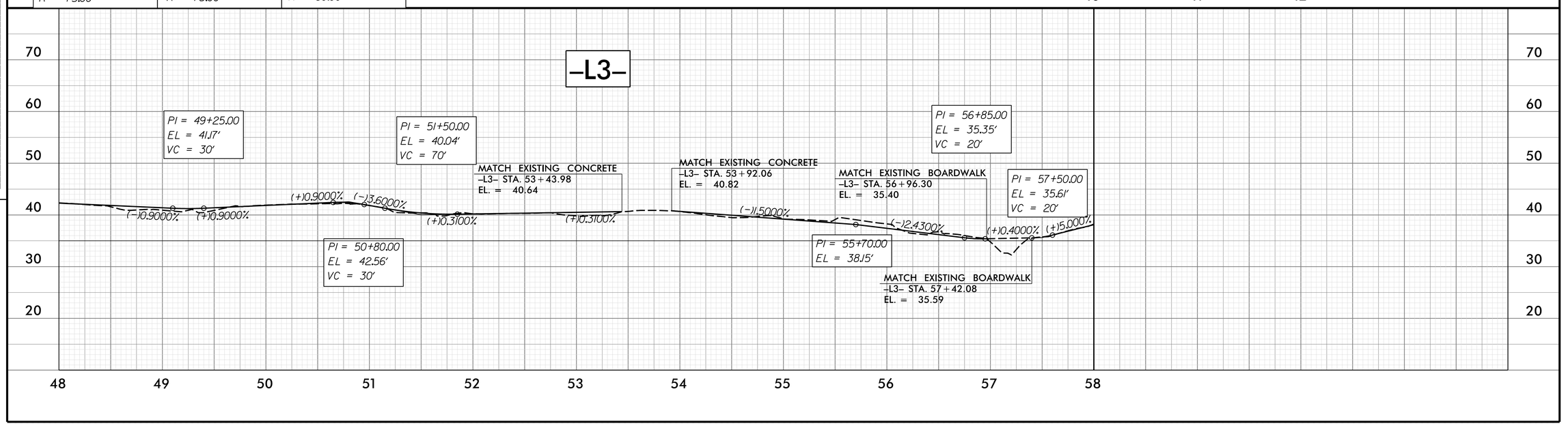
INSTALL 2" CONDUIT –L3– STA. 57+58.01 = –Y2– STA. 10+00.00

CASWELL STREET

LEGEND

REMOVE EXISTING SIDEWALK





PROJECT REFERENCE NO.	SHEET NO.
EB-3314D PHASE 1	7

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 040815 ENGINEER MATTHEW C. TUMING

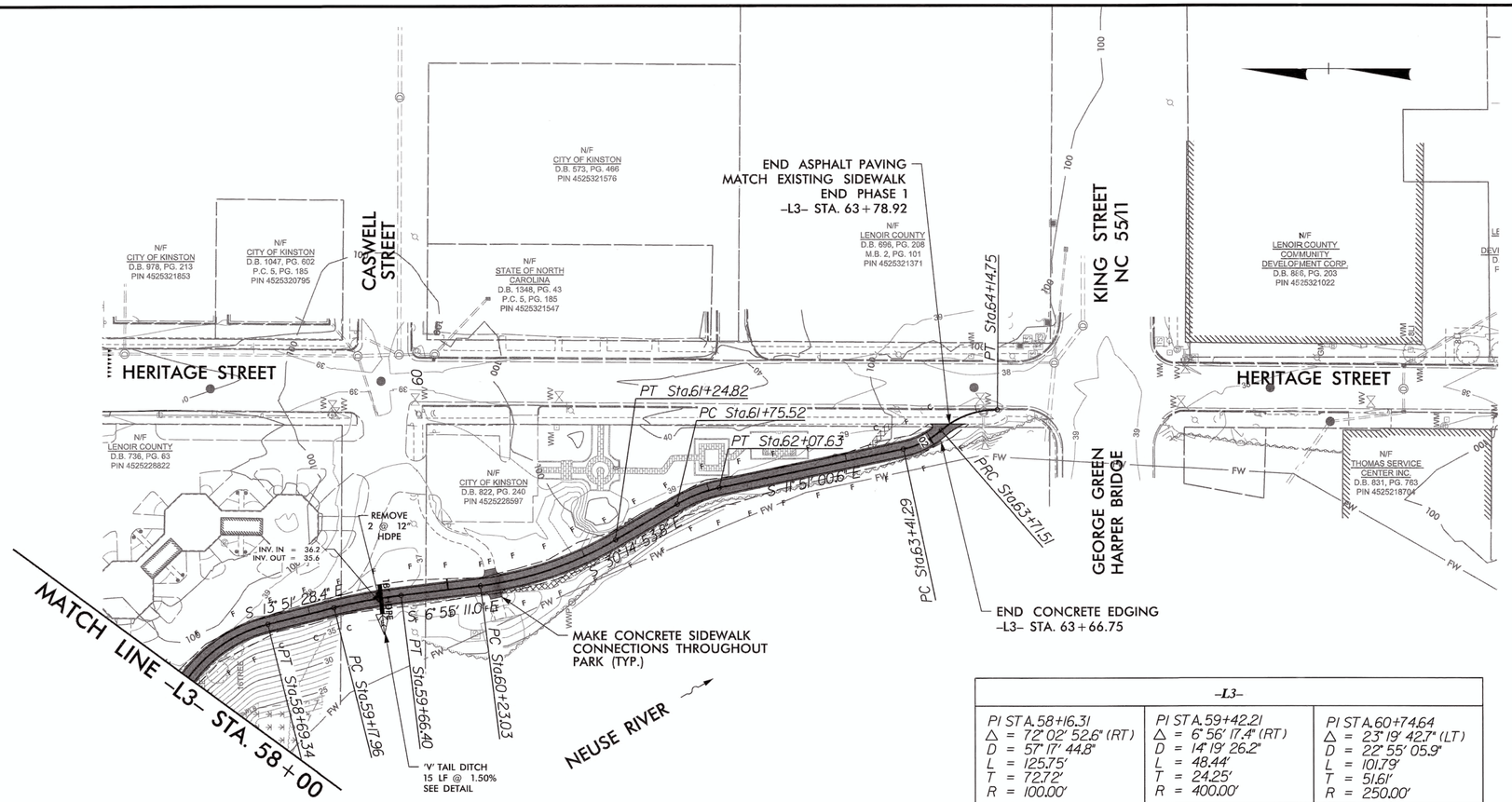
5/22/15

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 14101 ENGINEER JOHN M. KAMPRATH

5/22/15

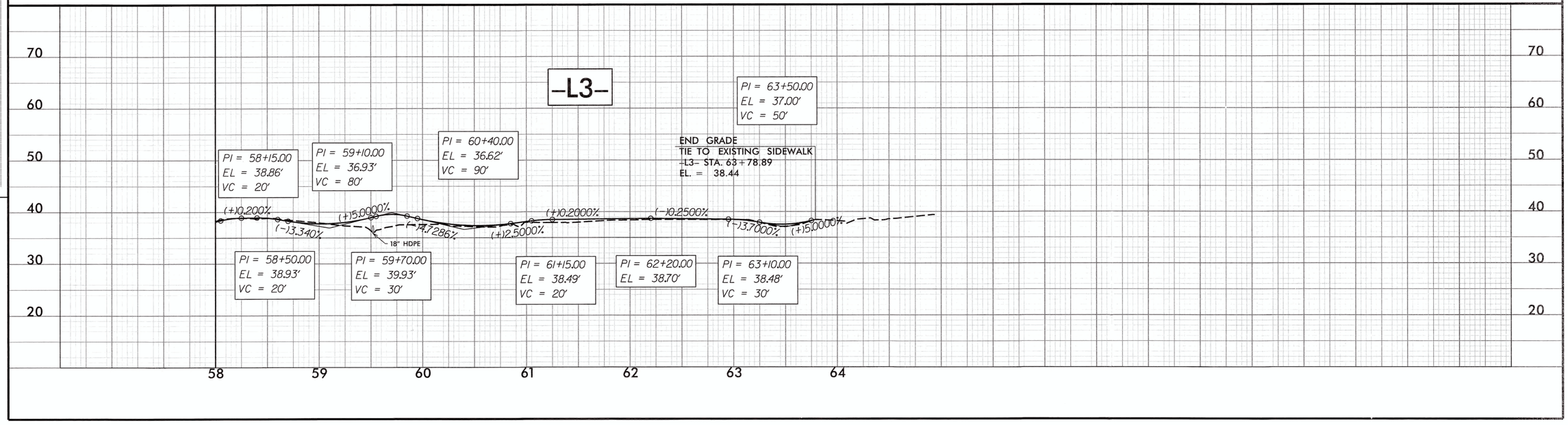
REVISIONS



LEGEND

REMOVE EXISTING SIDEWALK

–L3–		
PI STA. 58+16.31 Δ = 72° 02' 52.6" (RT) D = 57° 17' 44.8" L = 125.75' T = 72.72' R = 100.00'	PI STA. 59+42.21 Δ = 6° 56' 17.4" (RT) D = 14° 19' 26.2" L = 48.44' T = 24.25' R = 400.00'	PI STA. 60+74.64 Δ = 23° 19' 42.7" (LT) D = 22° 55' 05.9" L = 101.79' T = 51.61' R = 250.00'
PI STA. 61+91.72 Δ = 18° 23' 53.2" (RT) D = 57° 17' 44.8" L = 32.11' T = 16.19' R = 100.00'	PI STA. 63+56.73 Δ = 28° 51' 03.9" (LT) D = 95° 29' 34.7" L = 30.21' T = 15.43' R = 60.00'	PI STA. 63+94.11 Δ = 41° 17' 31.4" (RT) D = 95° 29' 34.7" L = 43.24' T = 22.61' R = 60.00'



TIP PROJECT: EB-3314D

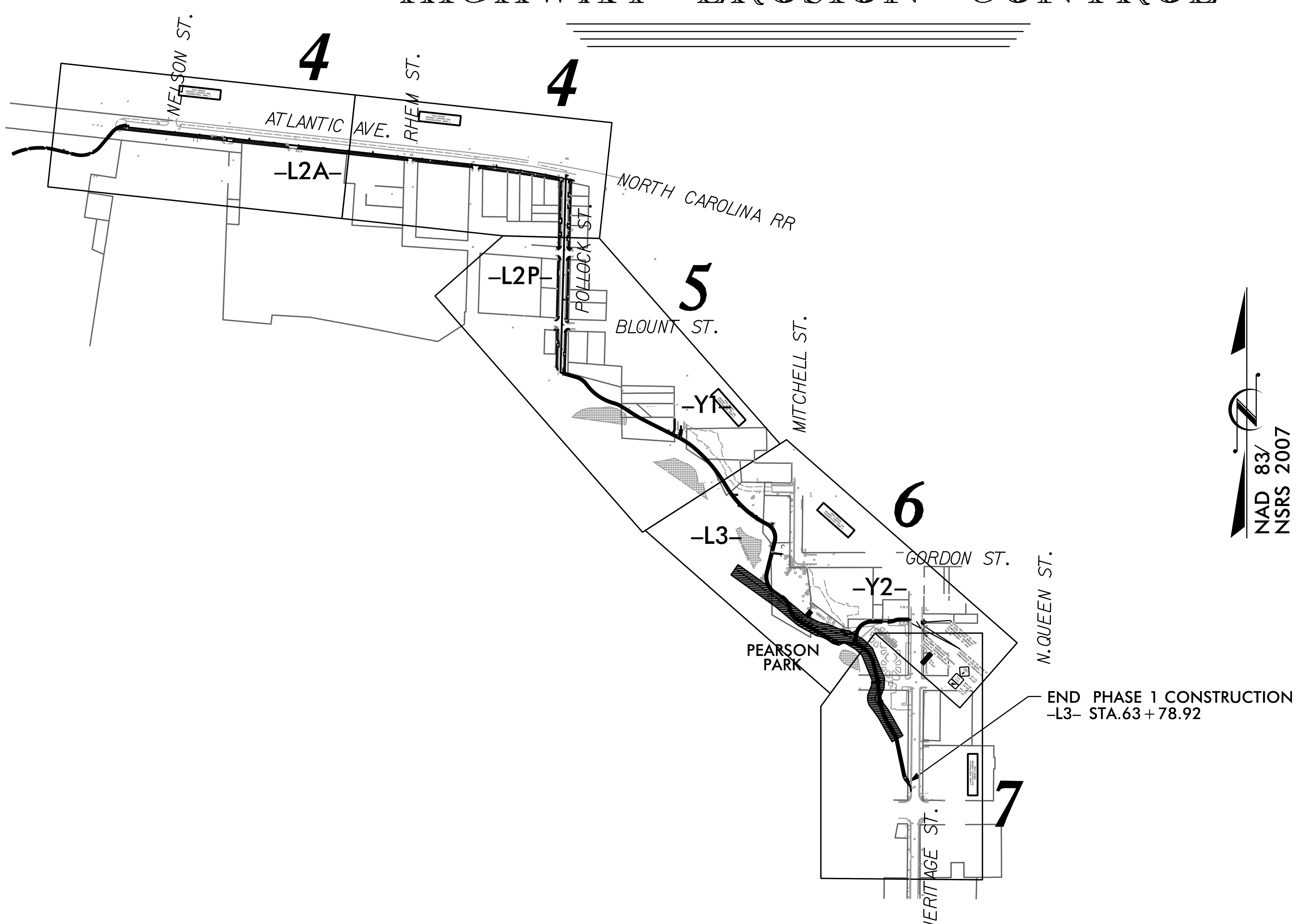
PHASE 1

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	EB-3314D	EC-1	

STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PLAN FOR PROPOSED
HIGHWAY EROSION CONTROL



EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	TSD
1630.05	Temporary Diversion	TD
1605.01	Temporary Silt Fence	
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	EW / 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	
	Tiered Skimmer Basin	
	Infiltration Basin	

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

THIS PROJECT HAS BEEN DESIGNED TO SENSITIVE WATERSHED STANDARDS.

ENVIRONMENTALLY SENSITIVE AREA(S) EXIST ON THIS PROJECT

Refer To E. C. Special Provisions for Special Considerations.

GRAPHIC SCALE

25 0 50
PLANS

25 0 50
PROFILE (HORIZONTAL)

5 0 10
PROFILE (VERTICAL)

THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH THE REGULATIONS SET FORTH BY THE NCG-010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE AUGUST 3, 2011 AND ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES DIVISION OF WATER RESOURCES.

Prepared In the Office of:

ECOLOGICAL ENGINEERING, LLP
1151 SE Cary Parkway, Suite 101
Cary, NC 27518

2012 STANDARD SPECIFICATIONS

Designed by:

BRANDON BARHAM, PE ***3368***
NAME *LEVEL III CERTIFICATION NO.*

Reviewed In the Office of:

ROADSIDE ENVIRONMENTAL UNIT
1 South Wilmington St.
Raleigh, NC 27611

2012 STANDARD SPECIFICATIONS

Reviewed by:

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 2012 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
1605.01	Temporary Silt Fence
1606.01	Special Sediment Control Fence
1607.01	Gravel Construction Entrance
1622.01	Temporary Berms and Slope Drains
1630.01	Riser Basin
1630.02	Silt Basin Type B
1630.03	Temporary Silt Ditch
1630.04	Stilling Basin
1630.05	Temporary Diversion
1630.06	Special Stilling Basin
1631.01	Matting Installation
1632.01	Rock Inlet Sediment Trap Type A
1632.02	Rock Inlet Sediment Trap Type B
1632.03	Rock Inlet Sediment Trap Type C
1633.01	Temporary Rock Silt Check Type A
1633.02	Temporary Rock Silt Check Type B
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
1640.01	Coir Fiber Baffle
1645.01	Temporary Stream Crossing

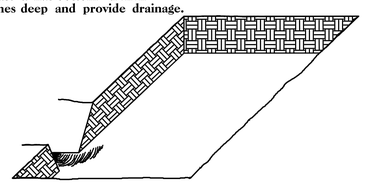
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	E3-3314D	EC-3	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	

PLANTING DETAILS

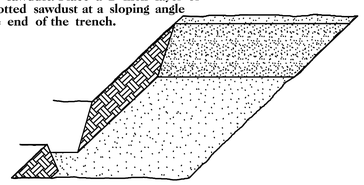
SEEDLING / LINER 3AREROOT PLANTING DETAIL

HEALING IN

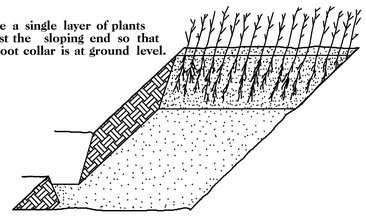
1. Locate a healing-in site in a shady, well protected area.
2. Excavate a flat bottom trench 12 inches deep and provide drainage.



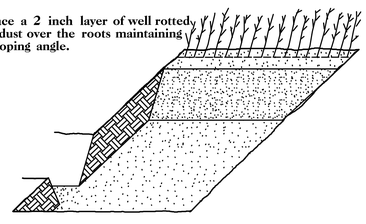
3. 3ackfill the trench with 2 inches well rotted sawdust. Place a 2 inch layer of well rotted sawdust at a sloping angle at one end of the trench.



4. Place a single layer of plants against the sloping end so that the root collar is at ground level.

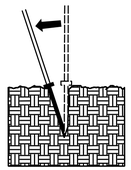


5. Place a 2 inch layer of well rotted sawdust over the roots maintaining a sloping angle.

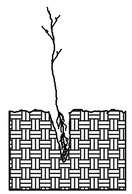


6. Repeat layers of plants and sawdust as necessary and water thoroughly.

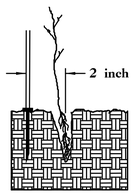
DI33LE PLANTING METHOD
USING THE K3C PLANTING 3AR



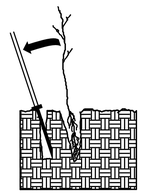
1. Insert planting bar as shown and pull handle toward planter.



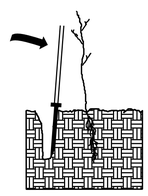
2. Remove planting bar and place seedling at correct depth.



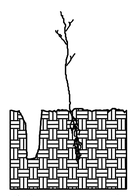
3. Insert planting bar 2 inches toward planter from seedling.



4. Pull handle of bar toward planter, firming soil at bottom.



5. Push handle forward firming soil at top.



6. Leave compaction hole open. Water thoroughly.

PLANTING NOTES:

PLANTING 3AG
During planting, seedlings shall be kept in a moist canvas bag or similar container to prevent the root systems from drying.

K3C PLANTING 3AR
Planting bar shall have a blade with a triangular cross section, and shall be 12 inches long, 4 inches wide and 1 inch thick at center.

ROOT PRUNING
All seedlings shall be root pruned, if necessary, so that no roots extend more than 10 inches below the root collar.

REFORESTATION

☐ TREE REFORESTATION SHALL 3E PLANTED 6 FT. TO 10 FT. ON CENTER, RANDOM SPACING, AVERAGING 8 FT. ON CENTER, APPROXIMATELY 680 PLANTS PER ACRE.

REFORESTATION

MIXTURE, TYPE, SIZE, AND FURNISH SHALL CONFORM TO THE FOLLOWING:

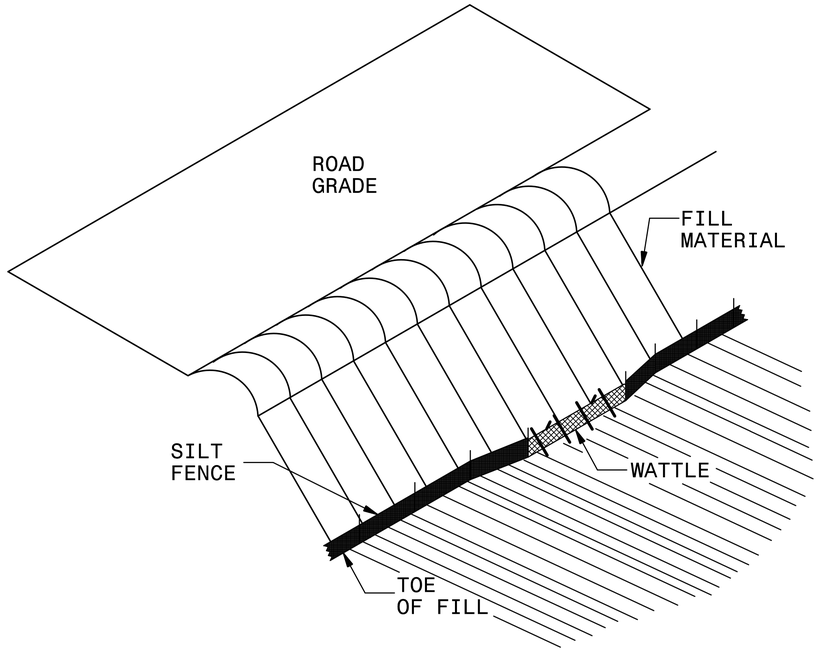
25% LIRIODENDRON TULIPIFERA	TULIP POPLAR	12 in – 18 in 3R
25% PLATANUS OCCIDENTALIS	AMERICAN SYCAMORE	12 in – 18 in 3R
25% FRAXINUS PENNSYLVANICA	GREEN ASH	12 in – 18 in 3R
25% 3ETULA NIGRA	RIVER 3IRCH	12 in – 18 in 3R

REFORESTATION DETAIL SHEET

N.C.D.O.T. - ROADSIDE ENVIRONMENTAL UNIT

SILT FENCE COIR FIBER WATTLE BREAK DETAIL

PROJECT REFERENCE NO.	SHEET NO.
EB-3314D	EC-3A
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



ISOMETRIC VIEW

NOTES:

USE MINIMUM 12 IN. DIAMETER COIR FIBER (COCONUT FIBER) WATTLE AND LENGTH OF 10 FT.

EXCAVATE A 1 TO 2 INCH TRENCH FOR WATTLE TO BE PLACED.

DO NOT PLACE WATTLE ON TOE OF SLOPE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO GROUND.

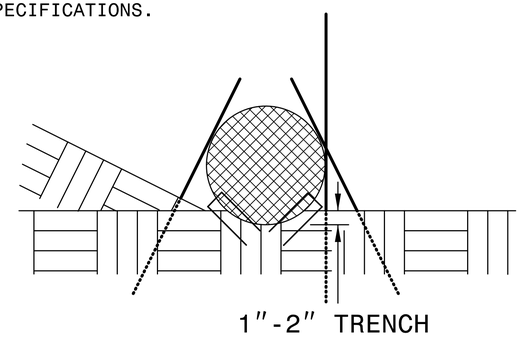
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12″ IN LENGTH.

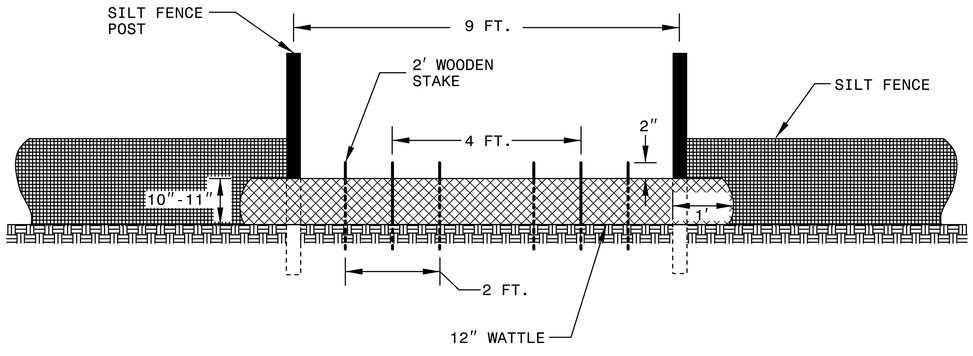
INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

WATTLE INSTALLATION CAN BE ON OUTSIDE OF THE SILT FENCE AS DIRECTED.

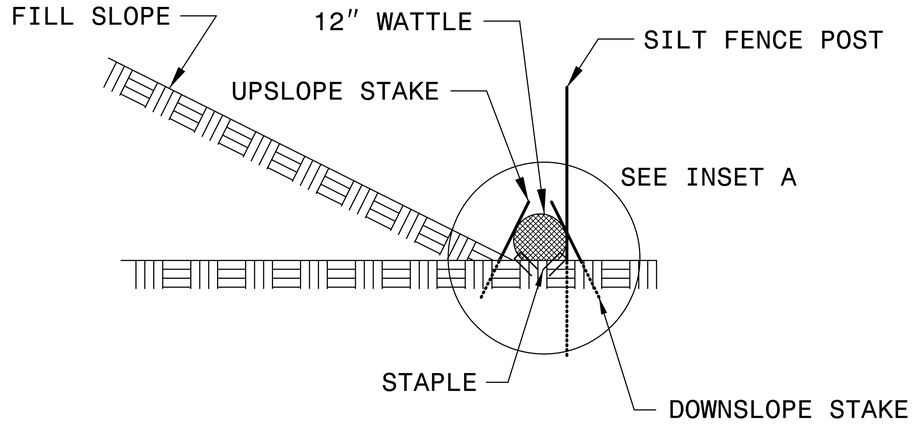
INSTALL TEMPORARY SILT FENCE IN ACCORDANCE WITH SECTION 1605 OF THE STANDARD SPECIFICATIONS.

INSET A





VIEW FROM SLOPE



SIDE VIEW

PROJECT REFERENCE NO.	SHEET NO.
EB-3314D	EC-3B
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

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.

PROJECT REFERENCE NO.	SHEET NO.
EB-3314D PHASE I	EC4/CONST 4
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

REVISIONS

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 4

MATCH LINE –L2A– STA. 19 + 00

PC Sta.97+33.92

POT Sta.10+00.00

PT Sta.96+60.80

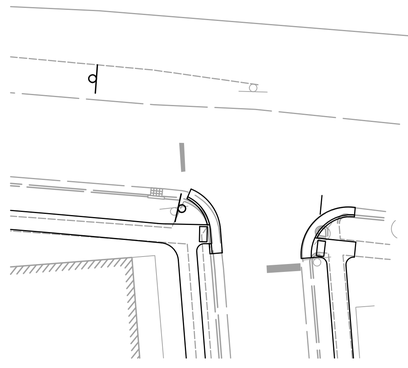
N/F
CITY OF KINSTON
D.B. 30, PG. 243
PIN 4515948250

N/F
MCCONNELL HOLDINGS, INC.
D.B. 1439, PG. 328
PIN 4525047216

N/F
CAROLINA POWER & LIGHT
D.B. 138, PG. 159
PIN 4515947632

N/F
CITY OF KINSTON
PIN 4525043645

ATLANTIC & POLLOCK INTERSECTION DETAIL



CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 4

MATCH LINE –L2A– STA. 19 + 00

PI Sta.21+72.79

PC Sta.24+56.51

POT Sta.30+00.00

PI Sta.28+16.86

PT Sta.27+62.25

MATCH LINE –L2P– STA. 32 + 50 + 00

N/F
GLEN RAVEN BAPTIST CHURCH
D.B. 1439, PG. 335
PIN 4525048655

N/F
JEAN HILL
D.B. 657, PG. 743
PIN 4525141611

N/F
WALTER R. KILLINGER JR.
D.B. 279, PG. 122
PIN 4525143614

N/F
LEROY TAYLOR
D.B. 1119, PG. 274
PIN 4525143683

N/F
GILLETTE & WADE CONST. INC.
D.B. 580, PG. 469
PIN 4525144633

N/F
MARIE H. MCLOUD
D.B. 843, PG. 489
PIN 4525144686

N/F
MIKE III & LINDA M. LEE
D.B. 1585, PG. 469
PIN 4525145645

N/F
MIKE III & LINDA M. LEE
D.B. 634, PG. 106
PIN 4525145517

N/F
SMART KINSTON, LLC.
D.B. 1251, PG. 158
PIN 4525145521

N/F
SMART KINSTON, LLC.
D.B. 1251, PG. 158
PIN 4525145416

N/F
SMART KINSTON, LLC
D.B. 837, PG. 265
PIN 4525134146666

N/F
LOUELLEN WOODS
D.B. 1085, PG. 793
PIN 4525134146661

N/F
SMART KINSTON, LLC
D.B. 799, PG. 737
PIN 4525134146568

N/F
LINDA M. LEE
D.B. 615, PG. 351
PIN 4525134146553

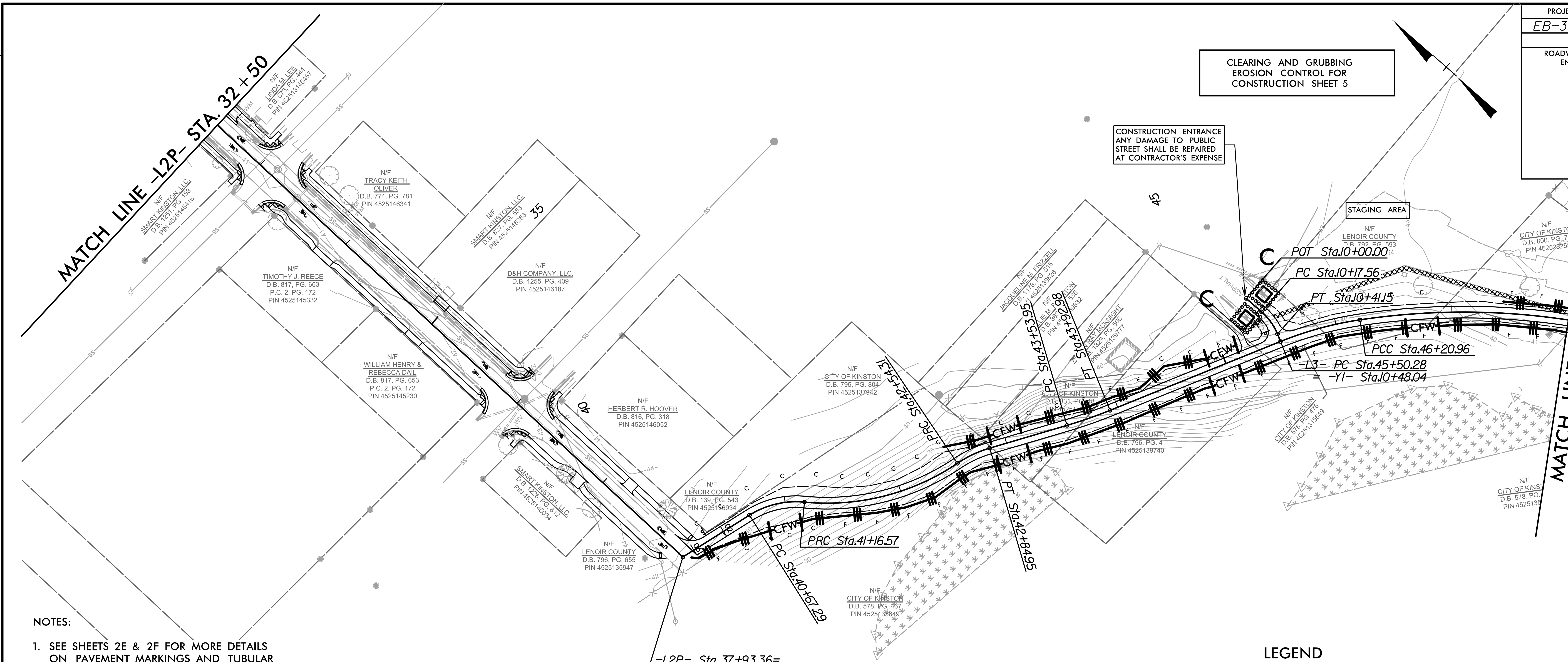
N/F
LINDA M. LEE
D.B. 573, PG. 444
PIN 4525134146457

PROJECT REFERENCE NO.	SHEET NO.
EB-3314D PHASE I	EC5/CONST5

ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

REVISIONS

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 5



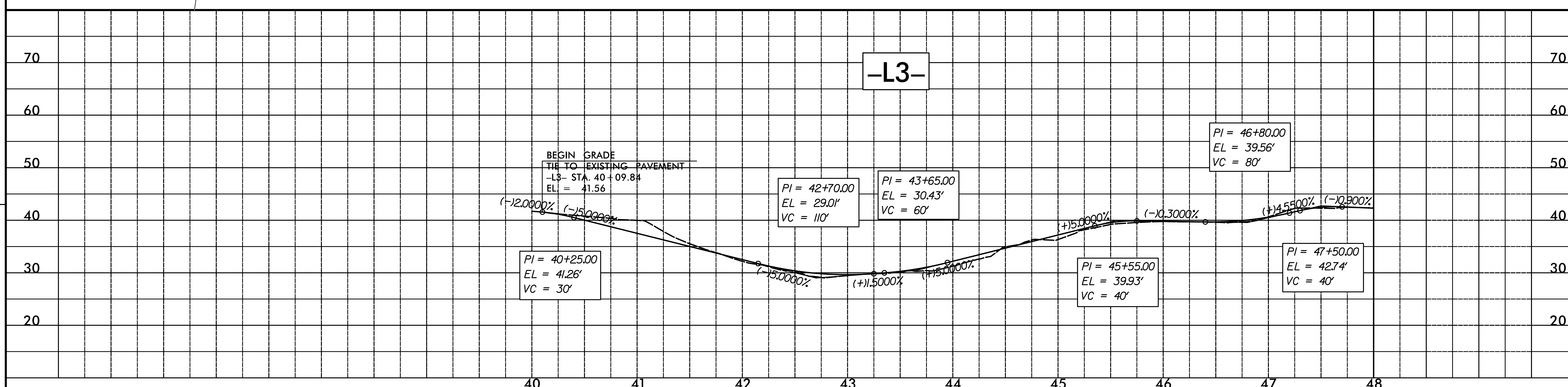
MATCH LINE -L2P- STA. 32+50
MATCH LINE -L3- STA. 48+00
CONSTRUCTION ENTRANCE ANY DAMAGE TO PUBLIC STREET SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE
STAGING AREA
POT Sta.10+00.00
PC Sta.10+17.56
PT Sta.10+41.15
PCC Sta.46+20.96
-L3- PC Sta.45+50.28 = -Y1- Sta.10+48.04
PRC Sta.41+16.57
PC Sta.40+67.29
PT Sta.42+84.95
PRC Sta.42+54.31
PC Sta.43+53.95
PT Sta.43+92.98
-L2P- Sta. 37+93.36= -L3- Sta. 40+00.00
CFW
N/F LINDA M. LEE
N/F SMART KINSTON, LLC D.B. 1257, PG. 108 PIN 4525145416
N/F TRACY KEITH OLIVER D.B. 774, PG. 781 PIN 4525146341
N/F SMART KINSTON, LLC
N/F D&H COMPANY, LLC. D.B. 1255, PG. 409 PIN 4525146187
N/F TIMOTHY J. REECE D.B. 817, PG. 663 P.C. 2, PG. 172 PIN 4525145332
N/F WILLIAM HENRY & REBECCA DAIL D.B. 817, PG. 653 P.C. 2, PG. 172 PIN 4525145230
N/F HERBERT R. HOOVER D.B. 816, PG. 318 PIN 4525146052
N/F LENOIR COUNTY D.B. 796, PG. 655 PIN 4525135947
N/F LENOIR COUNTY D.B. 139, PG. 543
N/F CITY OF KINSTON D.B. 795, PG. 804 PIN 4525137942
N/F CITY OF KINSTON D.B. 578, PG. 467
N/F LENOIR COUNTY D.B. 796, PG. 4 PIN 4525139740
N/F LENOIR COUNTY
N/F CITY OF KINSTON D.B. 800, PG. 756 PIN 4525232551
N/F CITY OF KINSTON D.B. 578, PG.
35
40
45

NOTES:

1. SEE SHEETS 2E & 2F FOR MORE DETAILS ON PAVEMENT MARKINGS AND TUBULAR MARKERS.
2. SEE TYPICAL SECTIONS FOR DIMENSIONS OF LANES AND SIDEWALK.
3. COORDINATE WITH THE CITY OF KINSTON TO CURVE OR NARROW SIDEWALKS AROUND TREES AS NEEDED TO PREVENT DISTURBANCE OF ROOT SYSTEMS

LEGEND

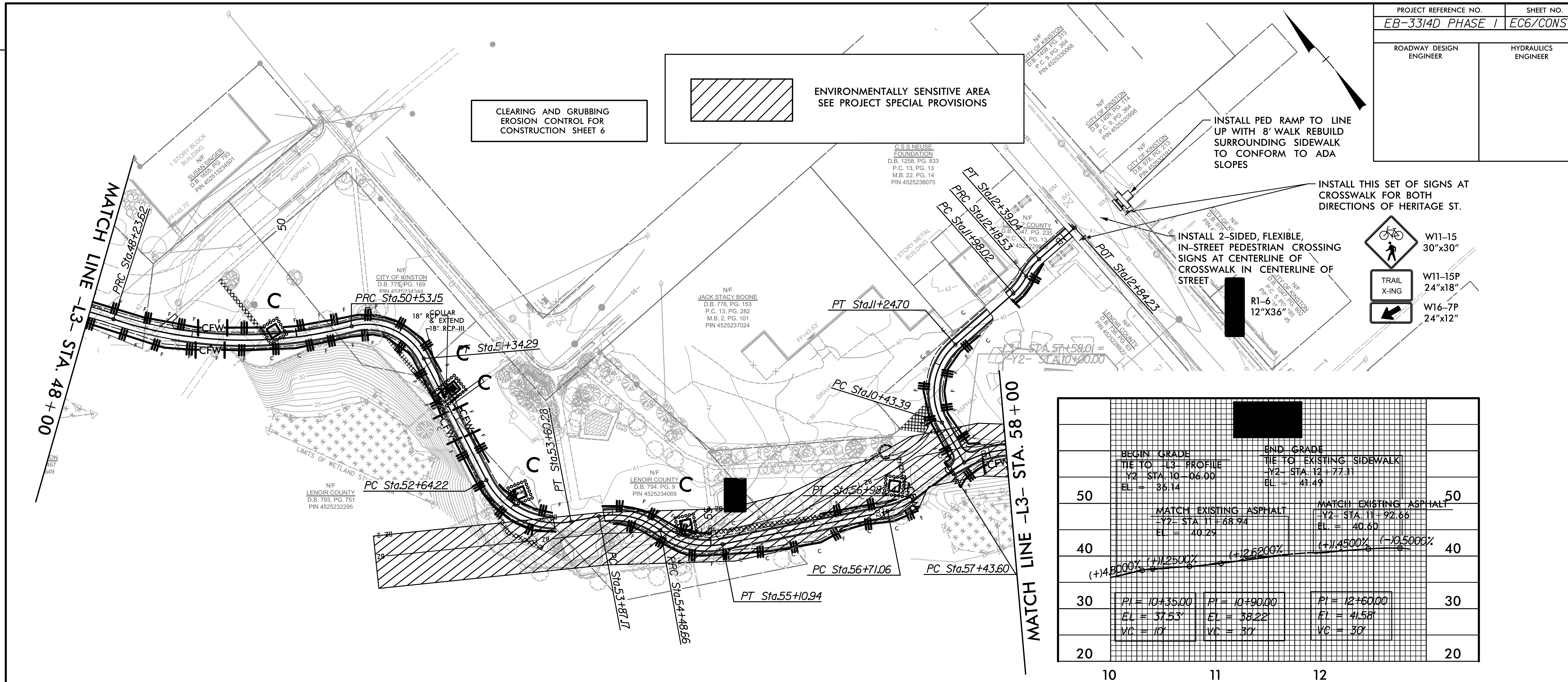
REMOVE EXISTING SIDEWALK

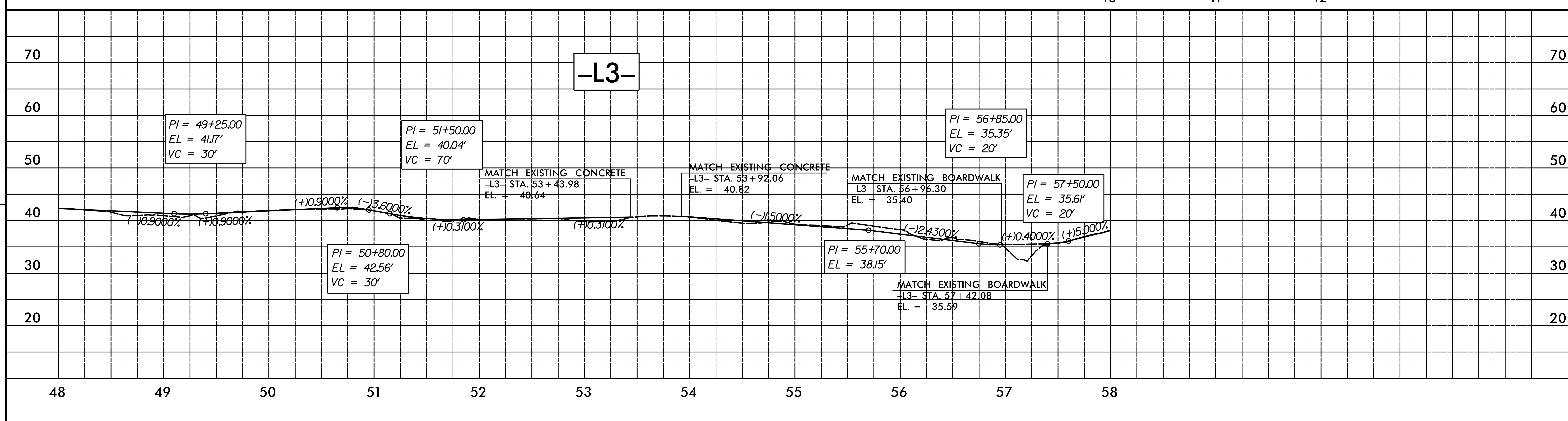


-L3-
70
60
50
40
30
20
BEGIN GRADE
TIE TO EXISTING PAVEMENT
-L3- STA. 40+09.84
EL = 41.56
PI = 40+25.00
EL = 41.26'
VC = 30'
PI = 42+70.00
EL = 29.01'
VC = 110'
PI = 43+65.00
EL = 30.43'
VC = 60'
PI = 45+55.00
EL = 39.93'
VC = 40'
PI = 46+80.00
EL = 39.56'
VC = 80'
PI = 47+50.00
EL = 42.74'
VC = 40'
(-)2.0000%
(-)5.0000%
(-)5.0000%
(+)1.5000%
(+)5.0000%
(+)5.0000%
(-)0.3000%
(+)4.5500%
(-)0.900%
40
41
42
43
44
45
46
47
48

PROJECT REFERENCE NO.	SHEET NO.
EB-3314D PHASE I	EC6/CONST6
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

REVISIONS



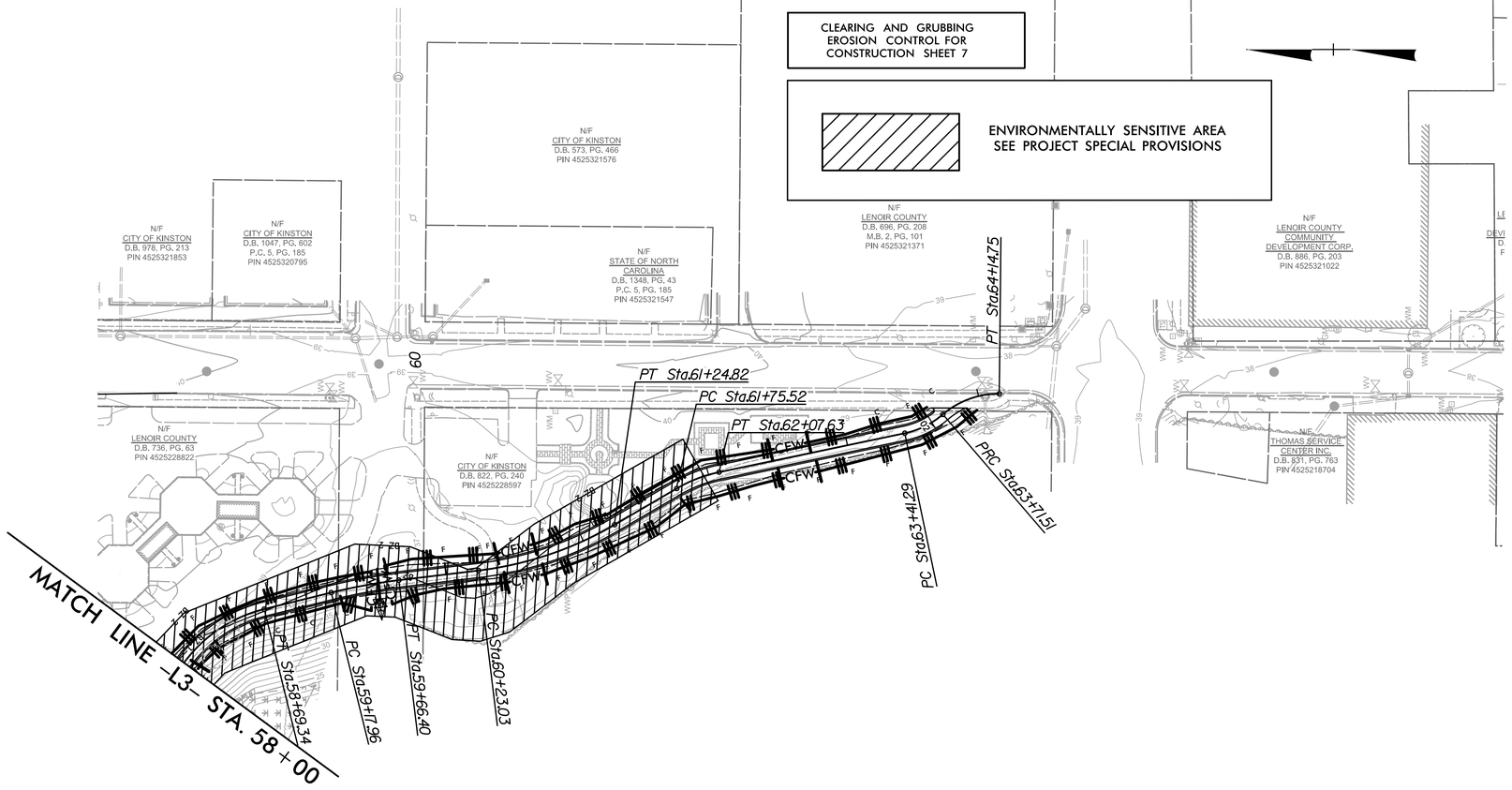


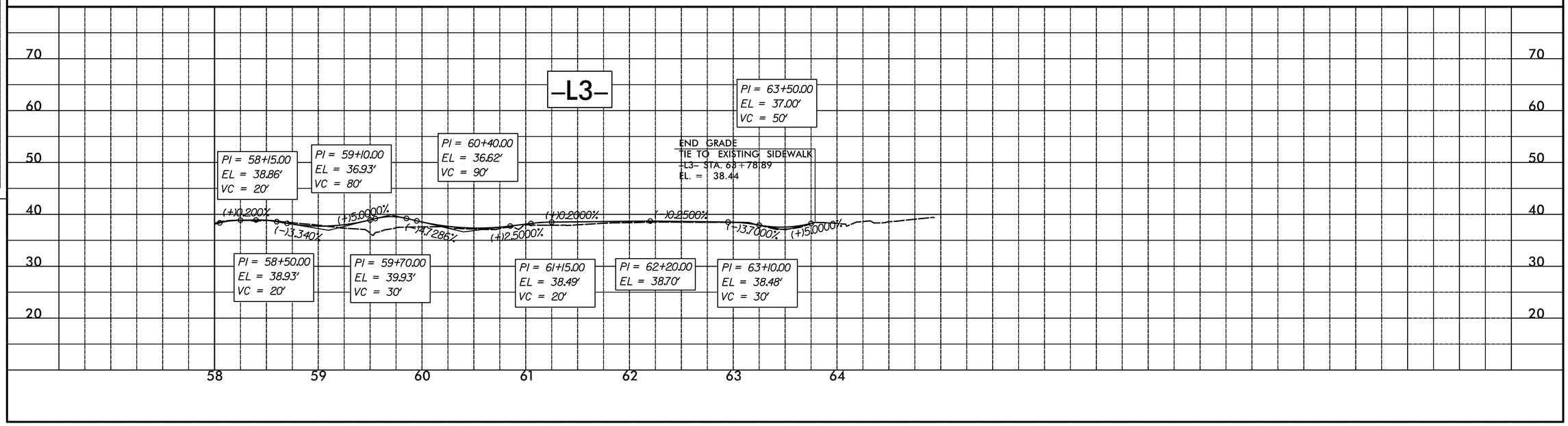
PROJECT REFERENCE NO.	SHEET NO.
EB-3314D PHASE I	EC7/CONST7
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

REVISIONS

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 7

ENVIRONMENTALLY SENSITIVE AREA SEE PROJECT SPECIAL PROVISIONS





PROJECT REFERENCE NO.	SHEET NO.
EB-3314D PHASE I	EC8/CONST 4
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

REVISIONS

FINAL DESIGN
EROSION CONTROL FOR
CONSTRUCTION SHEET 4

10

15

95

C

PC Sta.97+33.92

POT Sta.10+00.00

PT Sta.96+60.80

43

44

WW

WM

N/F
CITY OF KINSTON
D.B. 30, PG. 243
PIN 4515948250

N/F
MCCONNELL HOLDINGS, INC.
D.B. 1439, PG. 328
PIN 4525047216

MATCH LINE –L2A– STA. 19 + 00

60

50

40

96

97

98

N/F
CAROLINA POWER & LIGHT
D.B. 138, PG. 159
PIN 4515947632

N/F
CITY OF KINSTON
PIN 4525043645

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 4

20

25

30

PI Sta.21+72.79

PC Sta.24+56.51

POT Sta.30+00.00

PI Sta.28+16.86

PT Sta.27+62.25

FF=43.39'

N/F
GLEN RAVEN BAPTIST CHURCH
D.B. 1439, PG. 335
PIN 4525048655

N/F
JEAN HILL
D.B. 657, PG. 743
PIN 4525141611

N/F
WALTER R. KILLINGER JR.
D.B. 279, PG. 122
PIN 4525143614

N/F
LEROY TAYLOR
D.B. 1119, PG. 274
PIN 4525143683

N/F
GILLETTE & WADE CONST. INC.
D.B. 580, PG. 469
PIN 4525144633

N/F
MARIE H. MCLOUD
D.B. 843, PG. 489
PIN 4525144686

N/F
MIKE III & LINDA M. LEE
D.B. 1585, PG. 469
PIN 4525145645

N/F
MIKE III & LINDA M. LEE
D.B. 634, PG. 106
PIN 4525145517

N/F
SMART KINSTON, LLC.
D.B. 1251, PG. 158
PIN 4525145521

N/F
SMART KINSTON, LLC.
D.B. 1251, PG. 158
PIN 4525145416

N/F
SMART KINSTON, LLC
D.B. 837, PG. 265
PIN 4525134146666

N/F
LOUELLEN WOODS
D.B. 1085, PG. 793
PIN 4525134146661

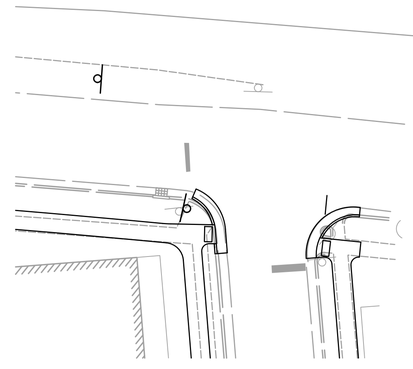
N/F
SMART KINSTON, LLC
D.B. 799, PG. 737
PIN 4525134146568

N/F
LINDA M. LEE
D.B. 615, PG. 351
PIN 4525134146553

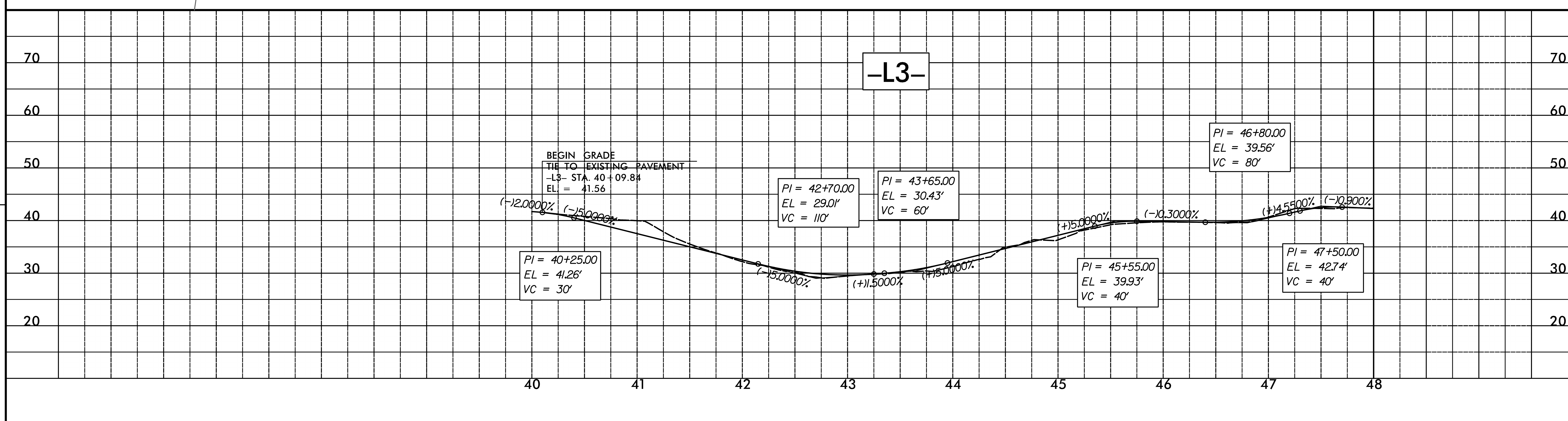
N/F
LINDA M. LEE
D.B. 573, PG. 444
PIN 4525134146457

MATCH LINE –L2P– STA. 32 + 50 + 00

ATLANTIC & POLLOCK INTERSECTION DETAIL



PROJECT REFERENCE NO.	SHEET NO.
EB-3314D PHASE I	EC9/CONST5
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



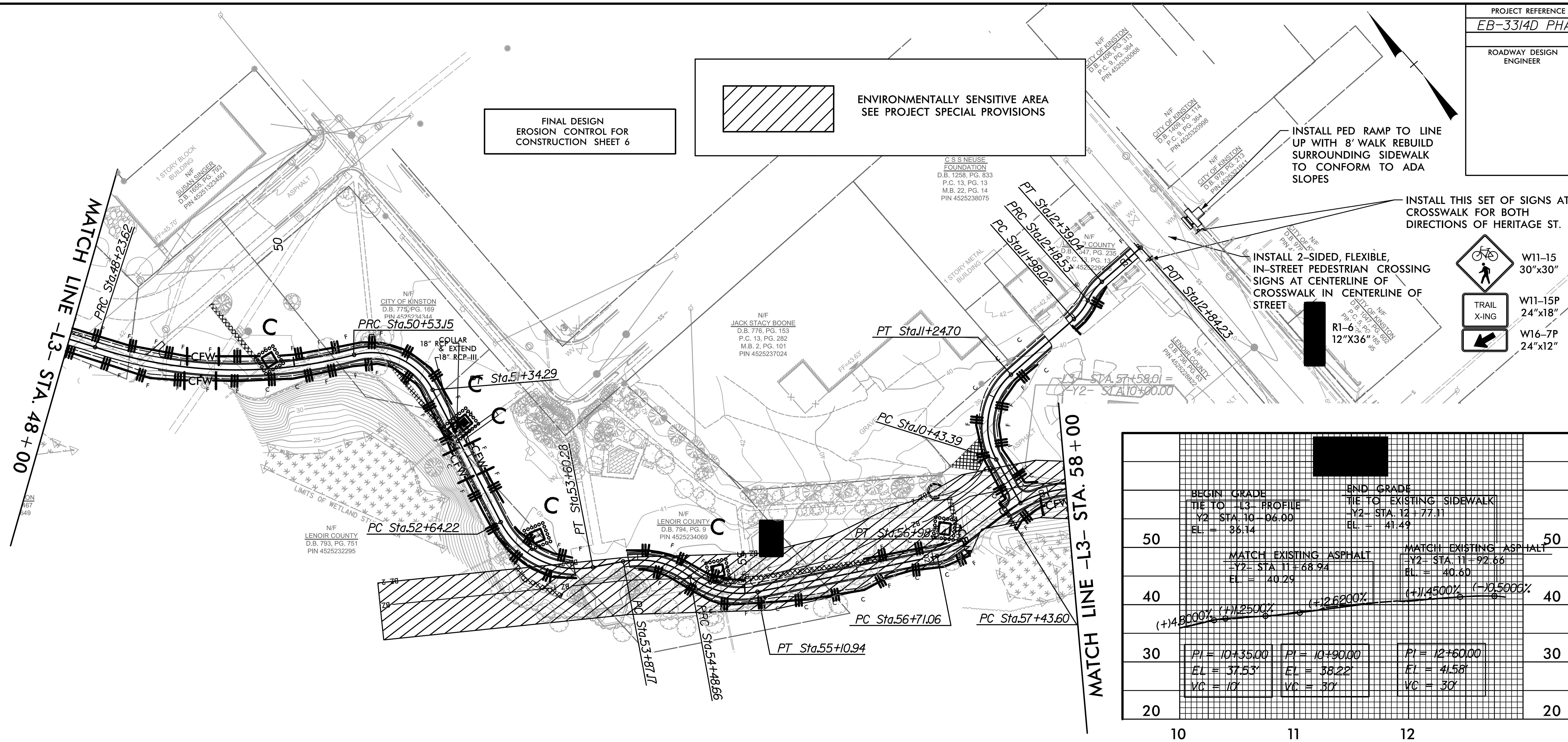
PROJECT REFERENCE NO.	SHEET NO.
EB-3314D PHASE I	EC10/CONST6

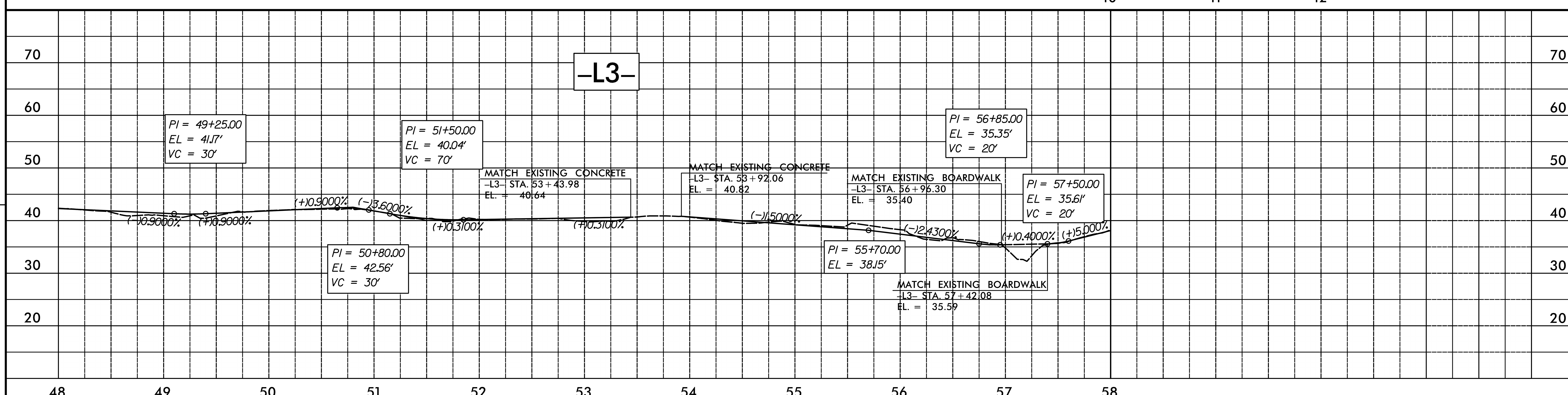
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

REVISIONS

FINAL DESIGN
EROSION CONTROL FOR
CONSTRUCTION SHEET 6

ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS



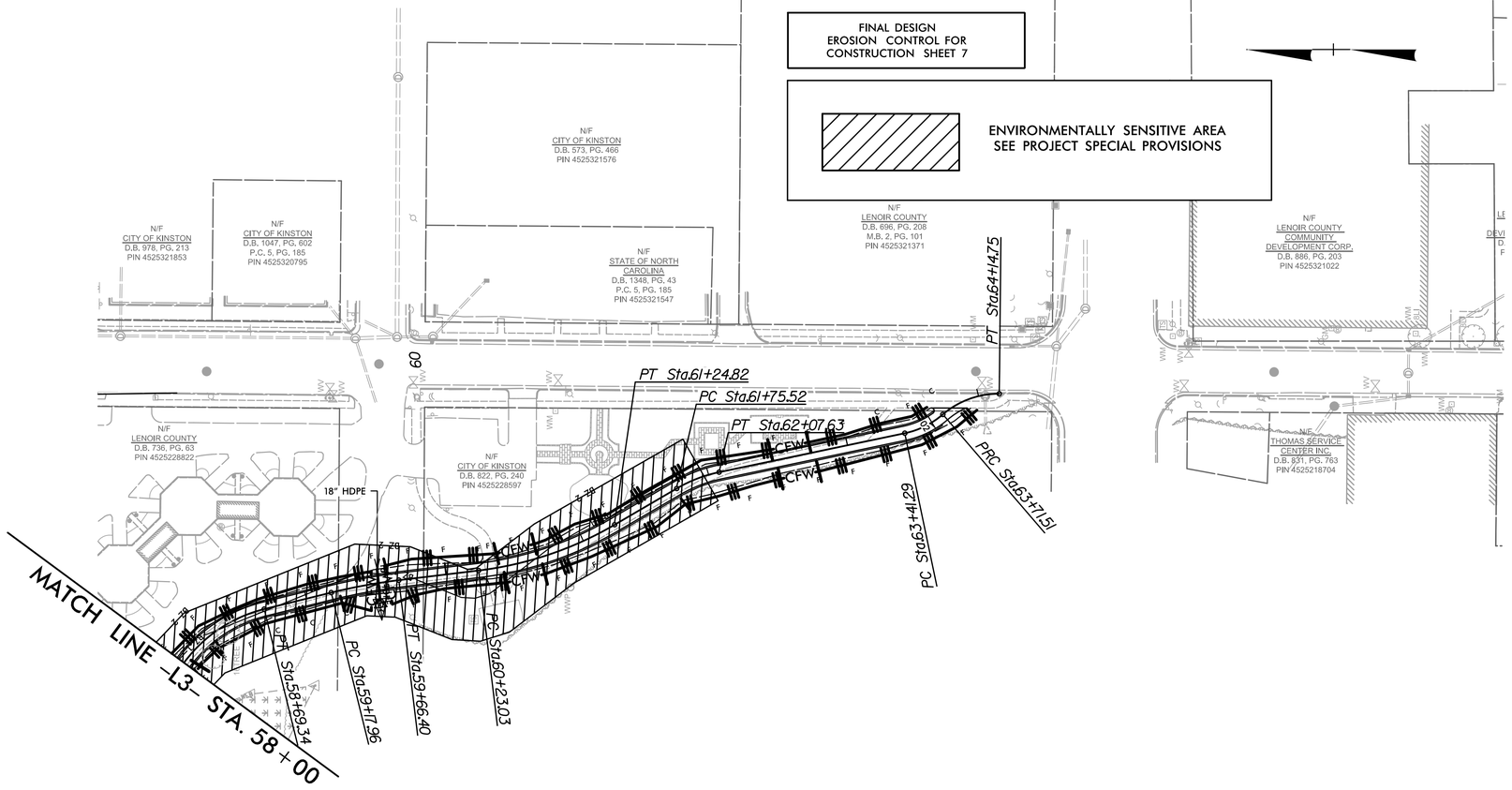


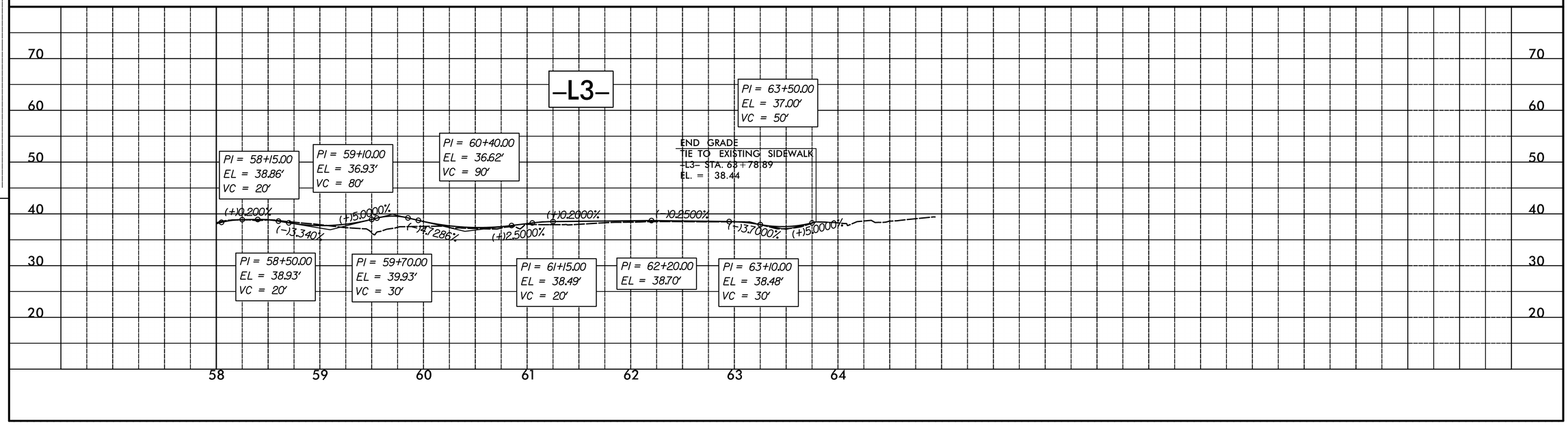
PROJECT REFERENCE NO.	SHEET NO.
EB-3314D PHASE I	EC11/CONST7
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

REVISIONS

FINAL DESIGN
EROSION CONTROL FOR
CONSTRUCTION SHEET 7

ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS





PROJ. REFERENCE NO.	SHEET NO.
H14006.00	X-1

8/23/99

5/22/2015

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	H14006.00	X-2

8/23/99

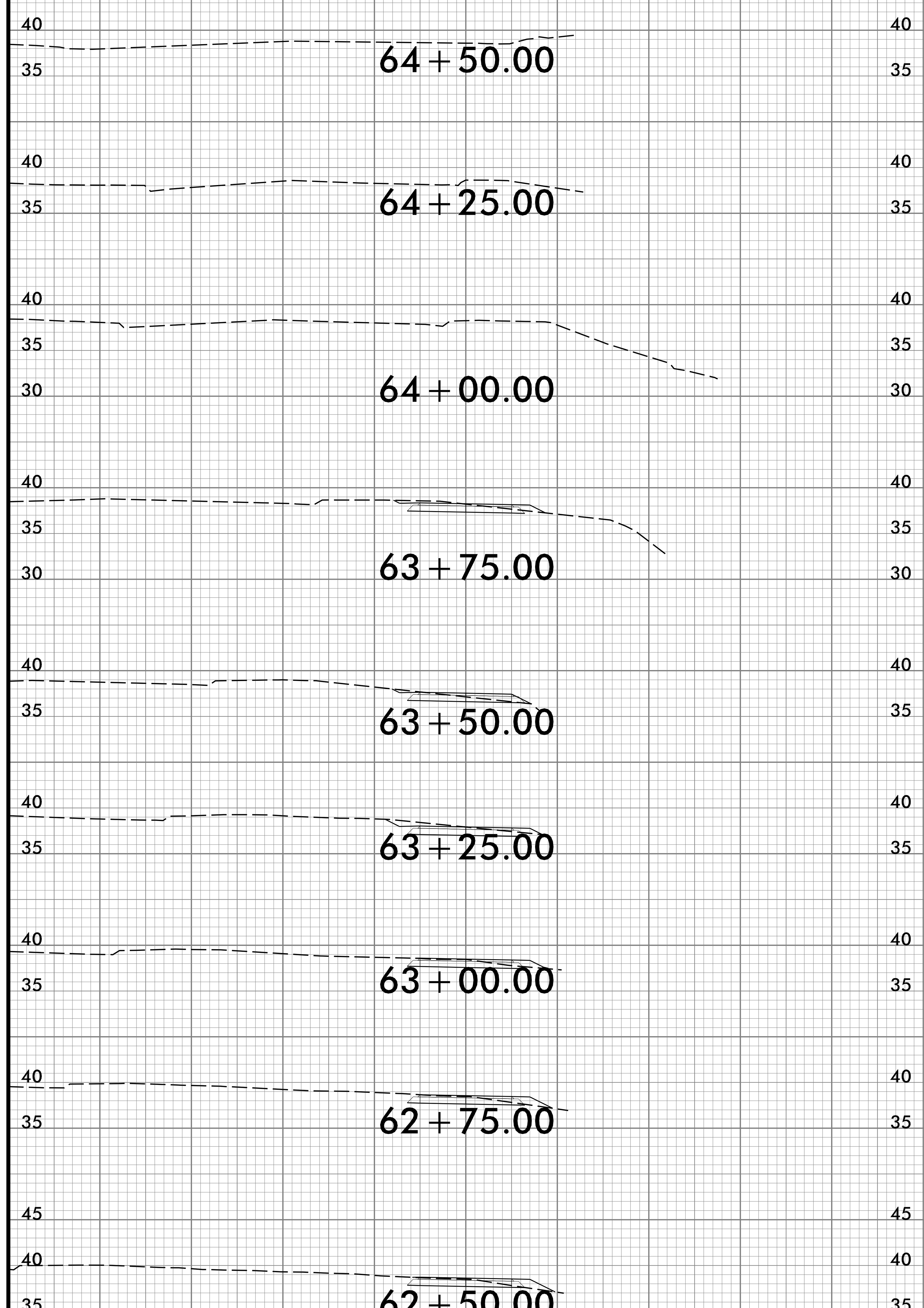
5/22/2015
\Roadway\XSC\H14006_XPL_L3.dgn
USER:jcole

PROJ. REFERENCE NO.	SHEET NO.
H14006.00	X-3

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	H14006.00	X-4

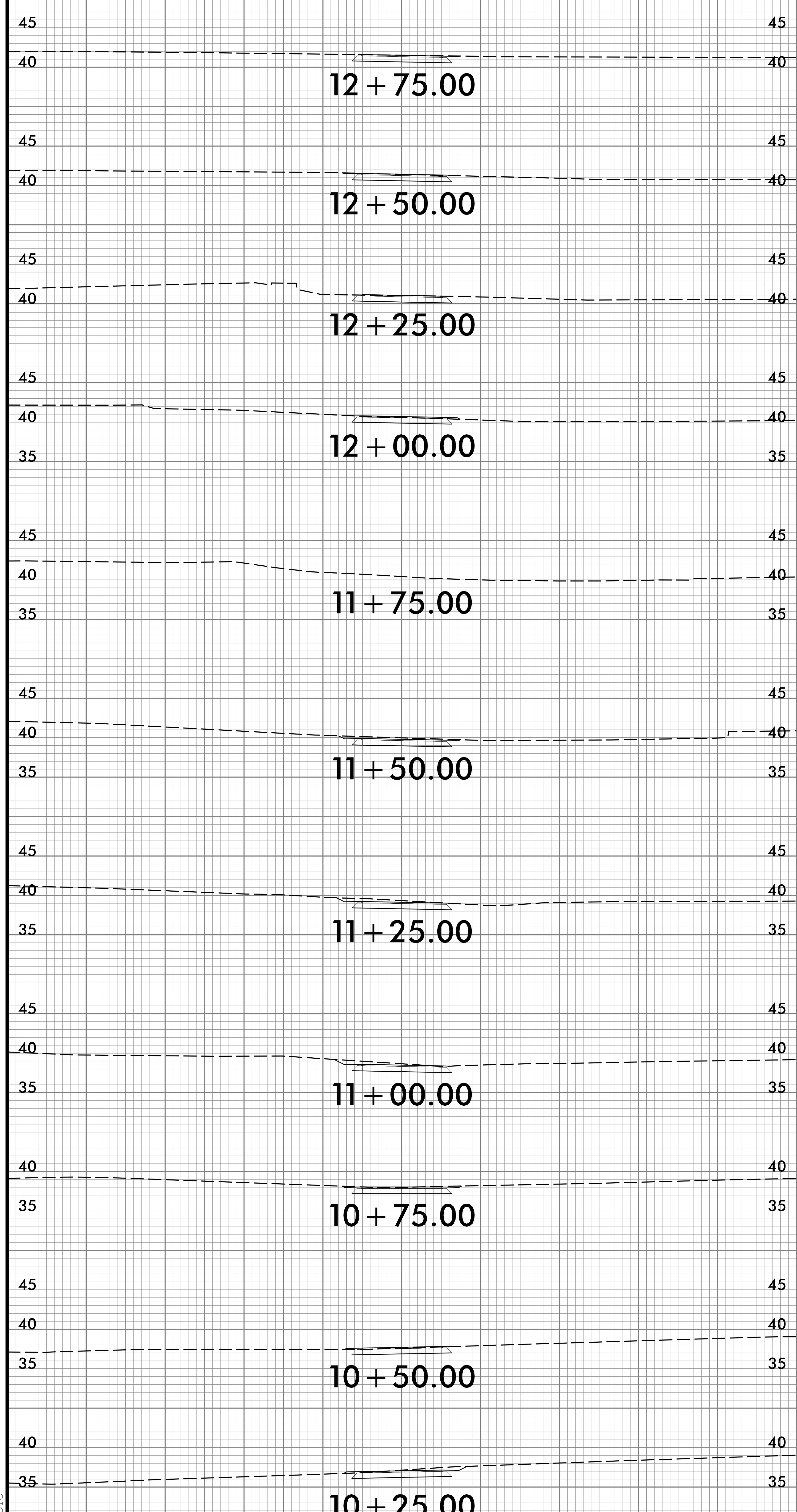
8/23/99

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	H14006.00	X-5



-L3-

PROJ. REFERENCE NO.	SHEET NO.
H14006.00	X–6



–Y2–

8/23/99

5/22/2015
...\Roadway\XSC\H14006_XPL_Y2.dgn
USER:jcole