See Sheet 1A For Index of Sheets
See Sheet 1B For Conventional Symbols

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

HERTFORD COUNTY

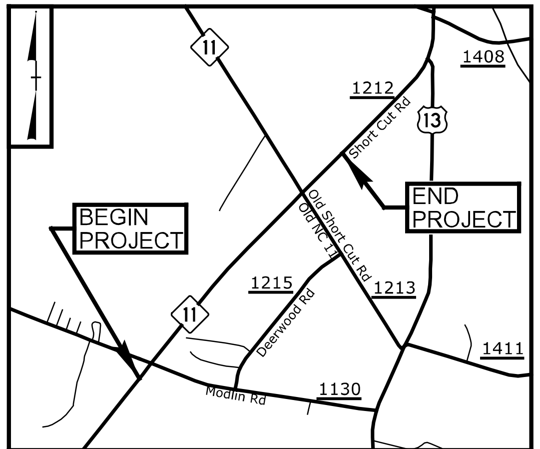
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-5311A	1	

STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION
45449.1.2	NHF-0013(37)	P.E.
45449.2.FS1	NHF-0013(37)	R/W

TIP PROJECT: R-5311A

CONTRACT:

ROW PLANS

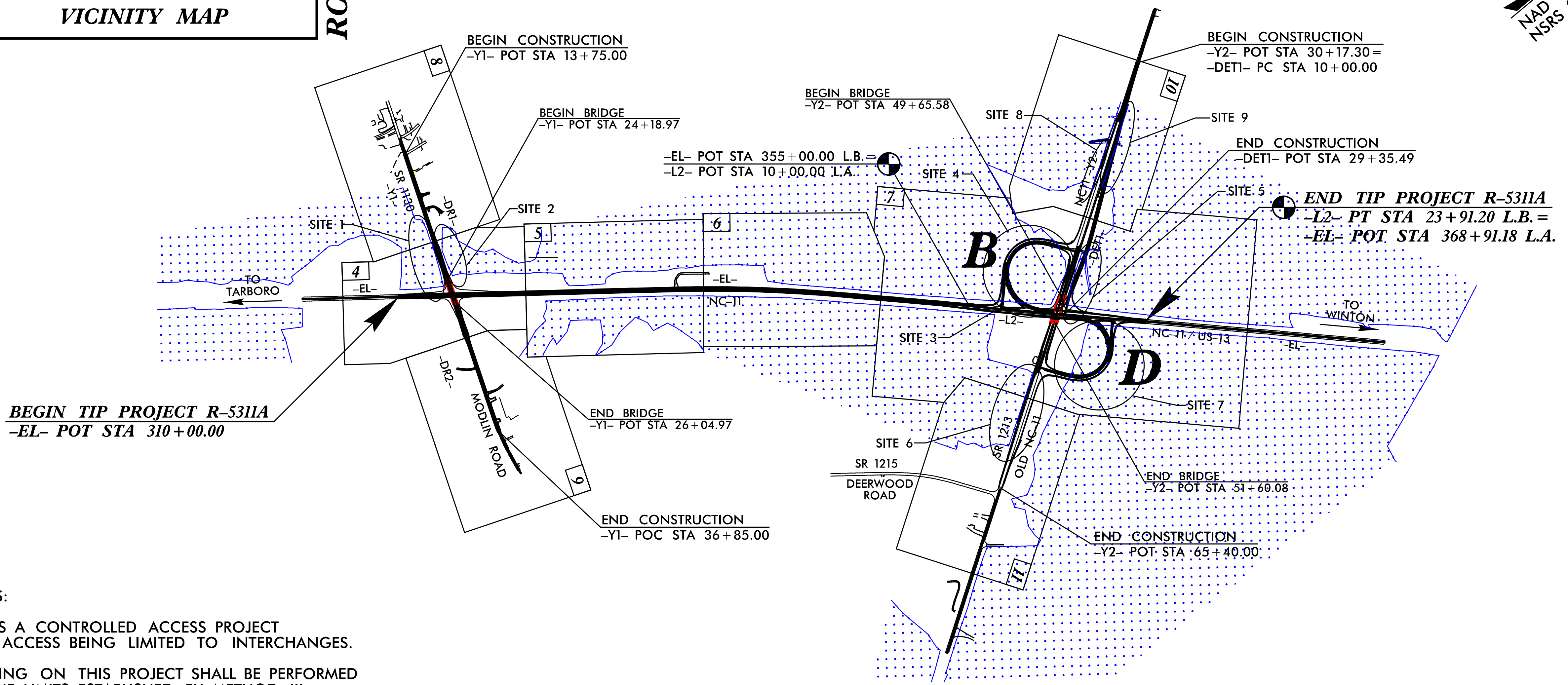


VICINITY MAP

LOCATION: WEST OF MODLIN ROAD TO EAST OF NC 11/SR 1213 (OLD NC 11 ROAD). CONSTRUCT GRADE SEPARATION AT SR 1130 (MODLIN ROAD) AND INTERCHANGE AT OLD NC 11/SR 1213 (OLD NC 11 ROAD).

TYPE OF WORK: GRADING, PAVING, DRAINAGE AND STRUCTURES

NAD 83/ NSRS 2007



NOTES:

THIS IS A CONTROLLED ACCESS PROJECT WITH ACCESS BEING LIMITED TO INTERCHANGES.

CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III.

THIS PROJECT IS NOT WITHIN ANY MUNICIPAL BOUNDARIES.

WETLAND AND SURFACE WATER IMPACTS PERMIT

ENGLISH

PERMIT DRAWING
SHEET 1 OF 19

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

GRAPHIC SCALES

50 25 0 50 100
PLANS

50 25 0 50 100
PROFILE (HORIZONTAL)

10 5 0 10 20
PROFILE (VERTICAL)

DESIGN DATA

ADT (2017) = 7,500
ADT (2037) = 10,830
K = 10 %
D = 55 %
T = 26 % *
V = 60 MPH
* TTST = 22% DUAL 4%
FUNC CLASS = ARTERIAL
REGIONAL TIER

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT R-5311A = 1.116 MILES
TOTAL LENGTH TIP PROJECT R-5311A = 1.116 MILES

Prepared for the North Carolina Department of Transportation In the office of:
ICA Engineering
5121 Kingdom Way, Suite 100
Raleigh, NC 27607
NC License No: F-0258

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
JUNE 17, 2016

LETTING DATE:
JUNE 20, 2017

DENA C. SNEAD, PE
PROJECT ENGINEER

JORDAN C. BOND
PROJECT DESIGN ENGINEER

GARY LOVERING, PE
ROADWAY DESIGN - PROJECT ENGINEER

HYDRAULICS ENGINEER

SIGNATURE: P.E.

ROADWAY DESIGN ENGINEER

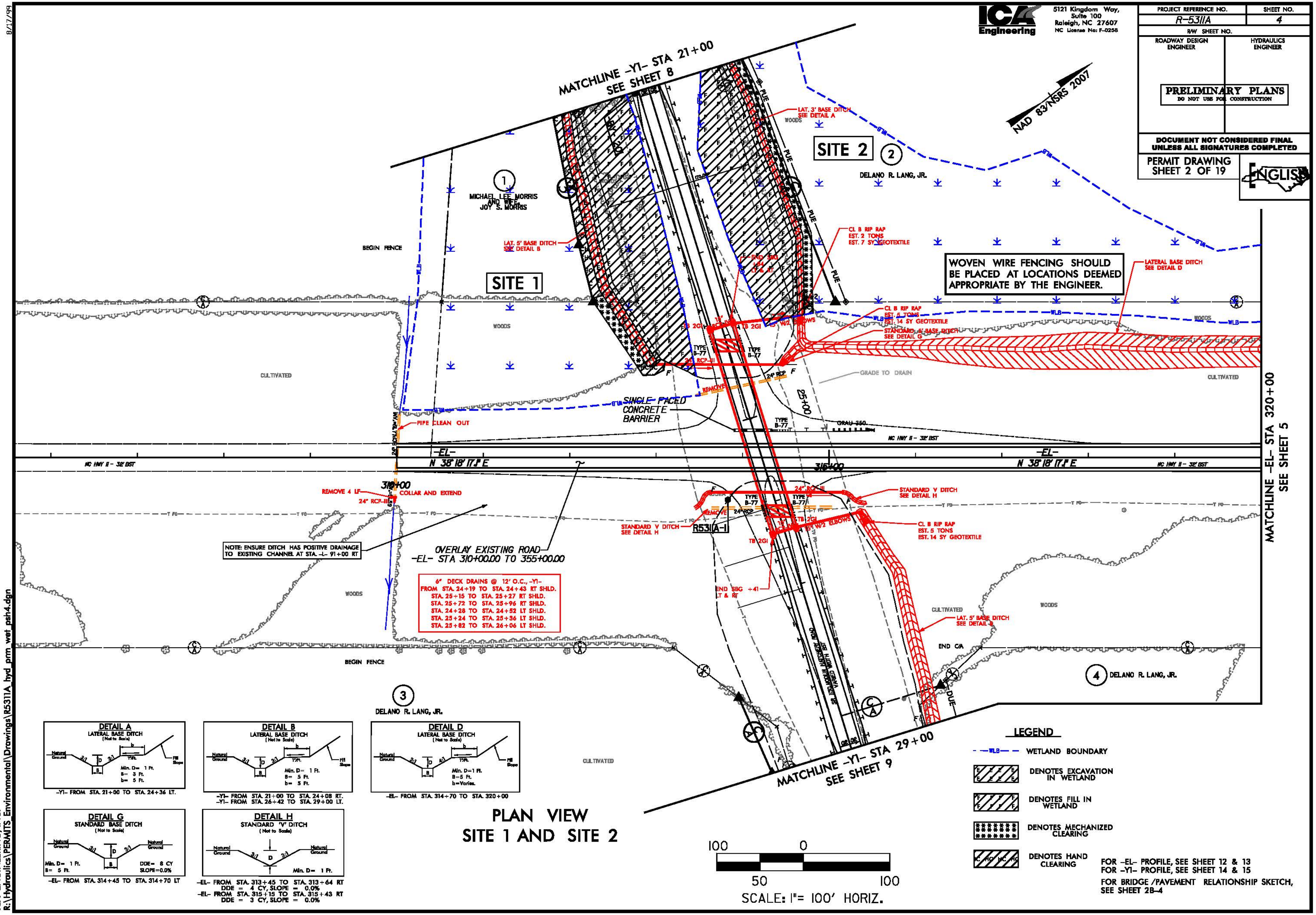
SIGNATURE: P.E.

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

09/08/99

9/30/2016
ICA ENGINEERING, INC.
R:\Hydraulics\PERMITS Environmental\Drawings\R5311A_hyd_prm_wet_tsh.dgn

8/17/99



9/30/2016
ICA ENGINEERING, INC.
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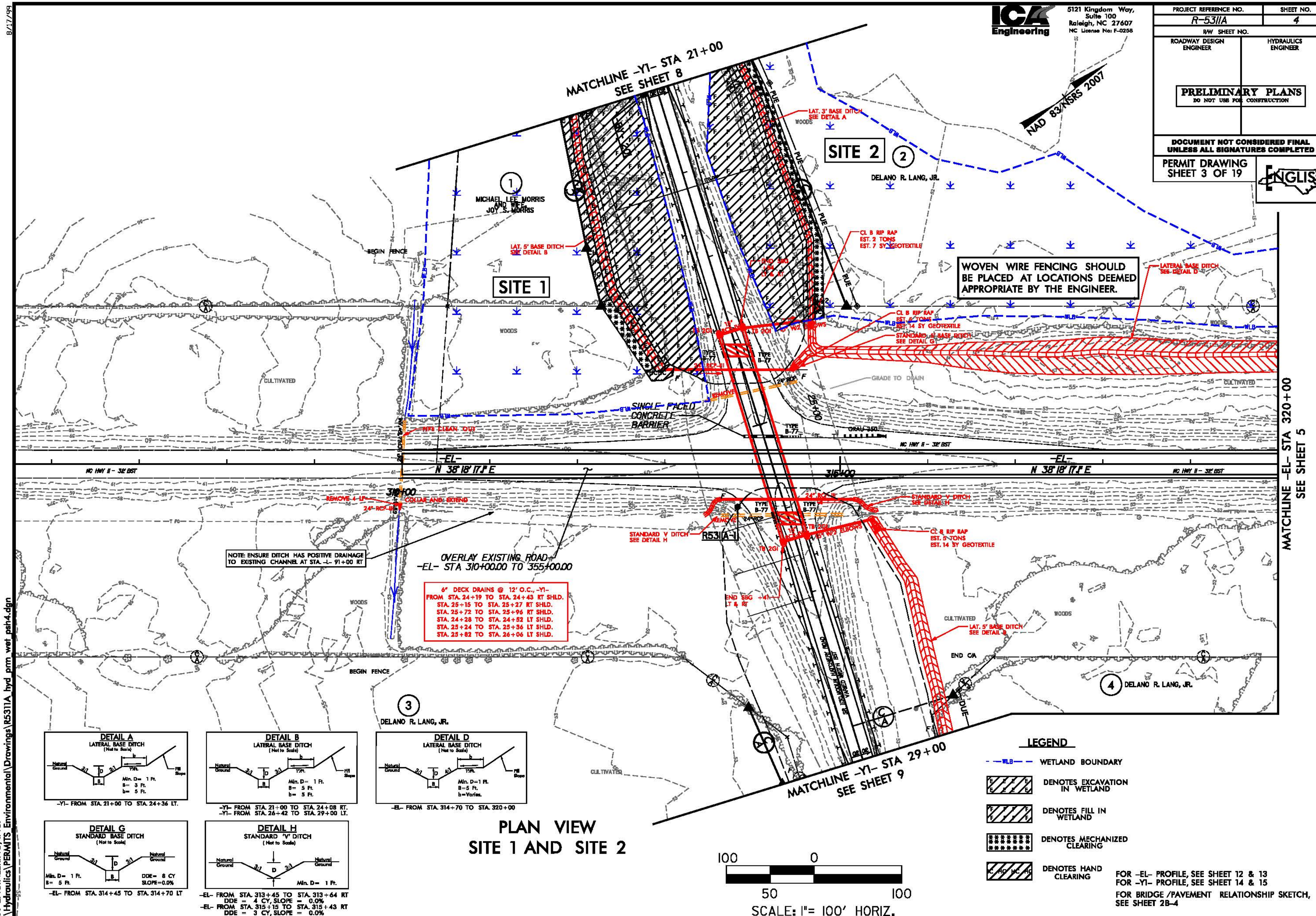
8/17/99



9/30/2016
ICA ENGINEERING, INC.
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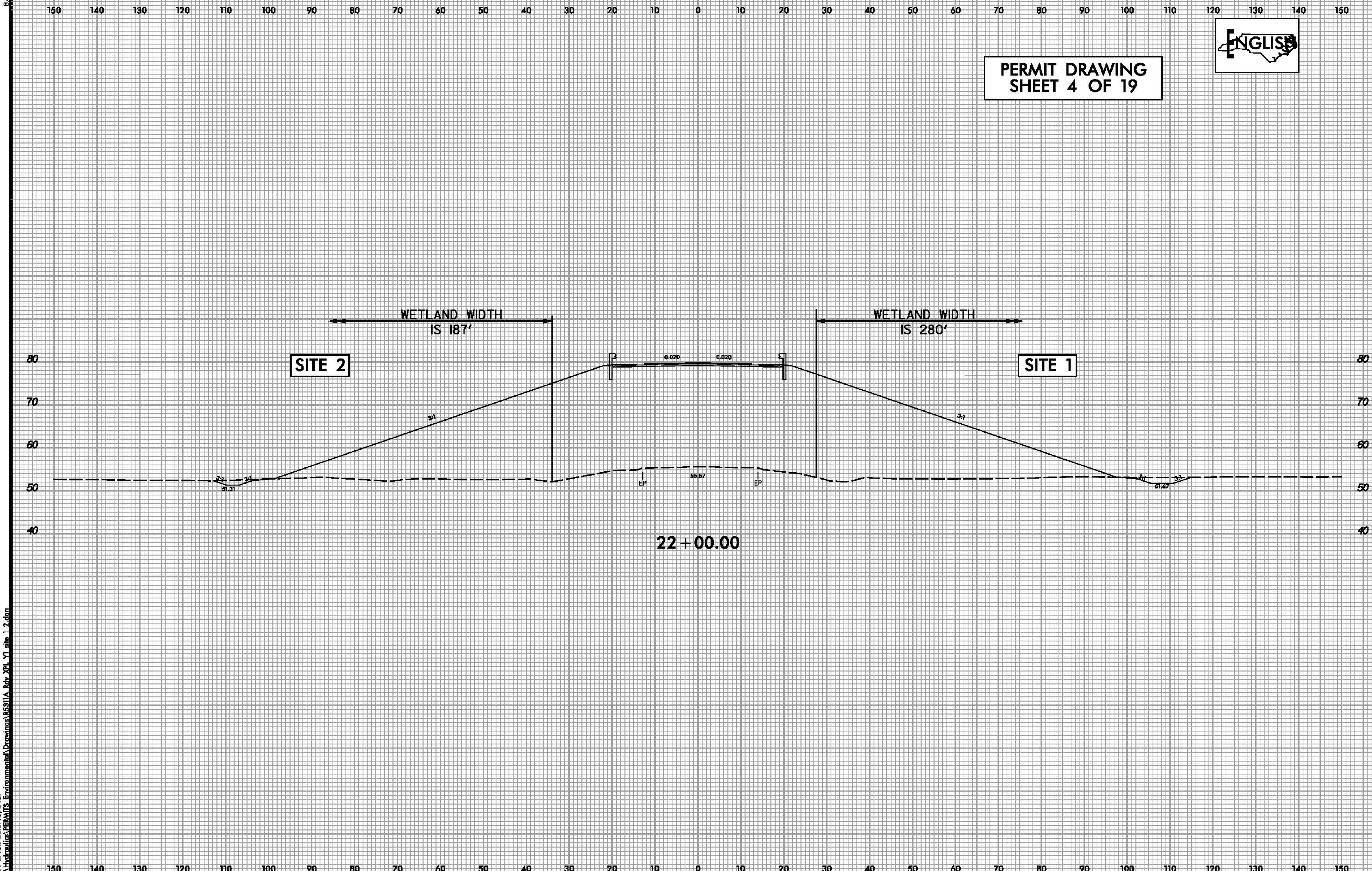
PROJ. REFERENCE NO.	SHEET NO.
R-5311A	X-24

PERMIT DRAWING
SHEET 4 OF 19



8/23/99
9/28/2016
ICA ENGINEERING, INC.
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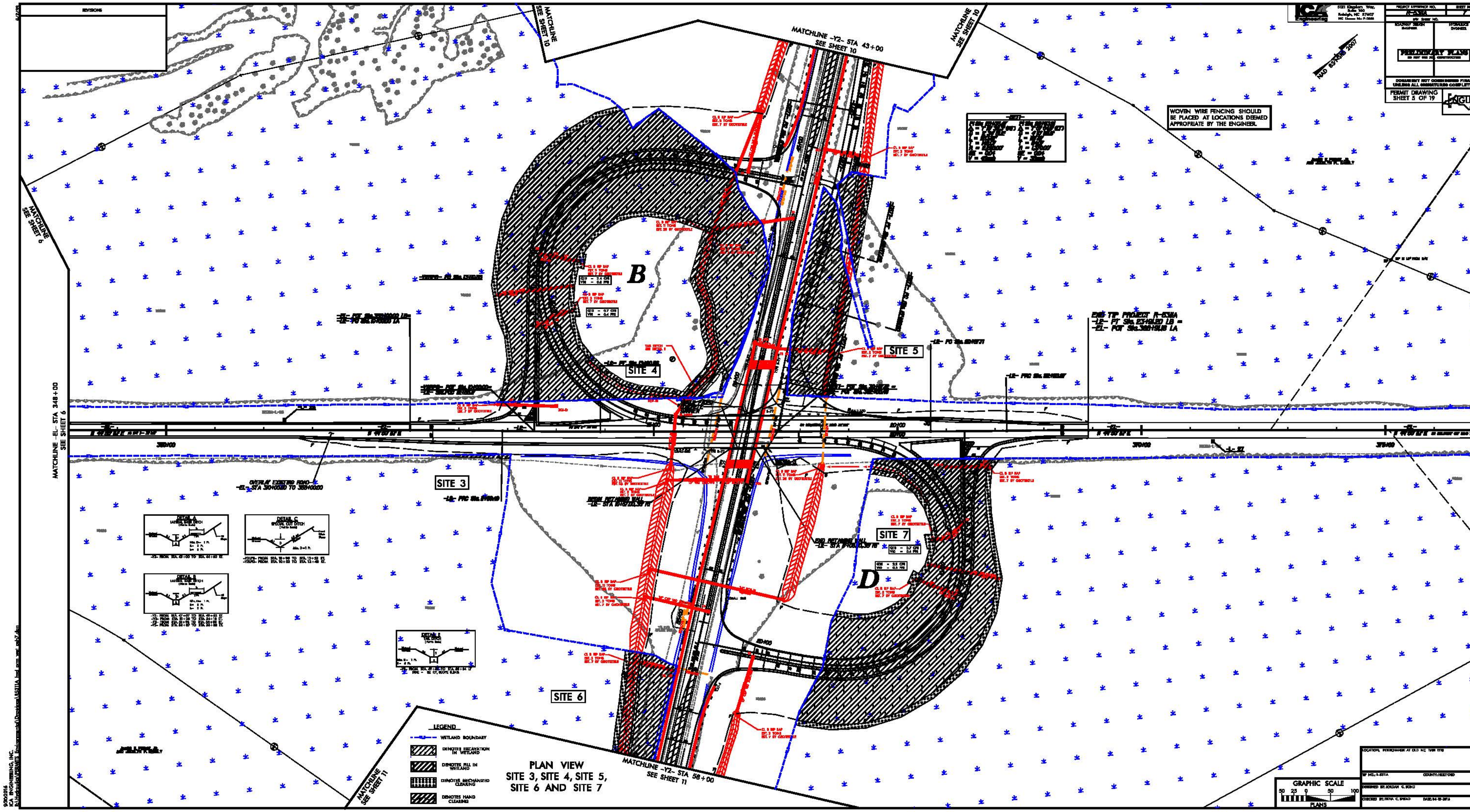
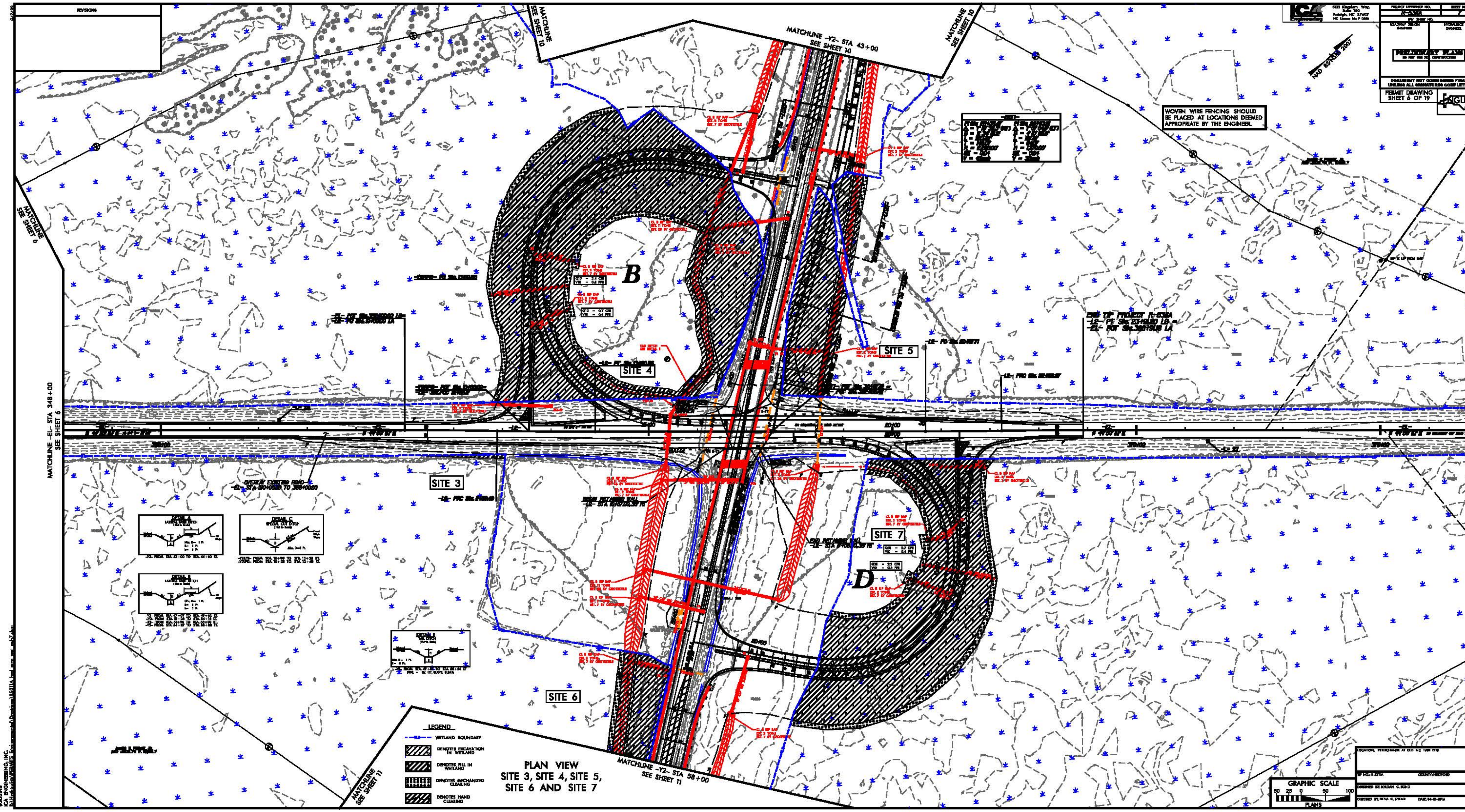


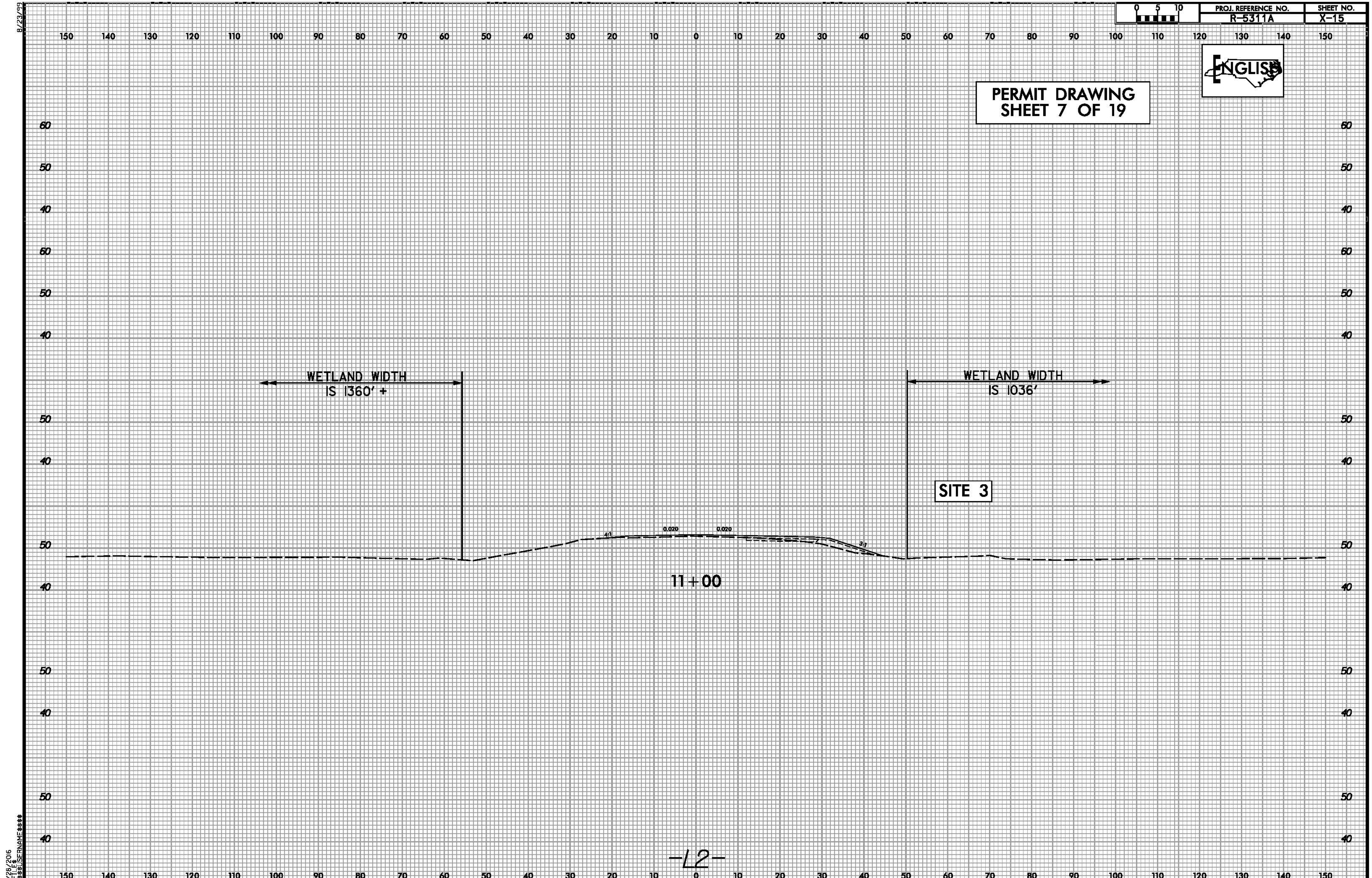
REVISIONS
MATCHLINE SEE SHEET 10
MATCHLINE -Y2- STA 43+00 SEE SHEET 10
MATCHLINE SEE SHEET 10
NAD 83/NSRS 2007
PERMIT DRAWING
SHEET 5 OF 19
WOVEN WIRE FENCING SHOULD BE PLACED AT LOCATIONS DEEMED APPROPRIATE BY THE ENGINEER.
MATCHLINE SEE SHEET 6
B
SITE 4
SITE 5
MATCHLINE -EL- STA 348+00 SEE SHEET 6
SITE 3
SITE 7
D
SITE 6
LEGEND
WETLAND BOUNDARY
DENOTES EXCAVATION IN WETLAND
DENOTES FILL IN WETLAND
DENOTES MECHANIZED CLEARING
DENOTES HAND CLEARING
PLAN VIEW
SITE 3, SITE 4, SITE 5,
SITE 6 AND SITE 7
MATCHLINE -Y2- STA 58+00 SEE SHEET 11
MATCHLINE SEE SHEET 11
GRAPHIC SCALE
50 25 0 50 100
PLANS



PERMIT DRAWING
SHEET 6 OF 19
MATCHLINE -Y2- STA 43+00
SEE SHEET 10
MATCHLINE
SEE SHEET 10
MATCHLINE
SEE SHEET 6
MATCHLINE -EL- STA 348+00
SEE SHEET 6
WOVEN WIRE FENCING SHOULD BE PLACED AT LOCATIONS DEEMED APPROPRIATE BY THE ENGINEER.
NAD 83/NSRS 2007
B
D
SITE 3
SITE 4
SITE 5
SITE 6
SITE 7
LEGEND
WETLAND BOUNDARY
DENOTES EXCAVATION IN WETLAND
DENOTES FILL IN WETLAND
DENOTES MECHANIZED CLEARING
DENOTES HAND CLEARING
PLAN VIEW
SITE 3, SITE 4, SITE 5, SITE 6 AND SITE 7
MATCHLINE -Y2- STA 58+00
SEE SHEET 11
MATCHLINE
SEE SHEET 11
GRAPHIC SCALE
50 25 0 50 100
PLANS

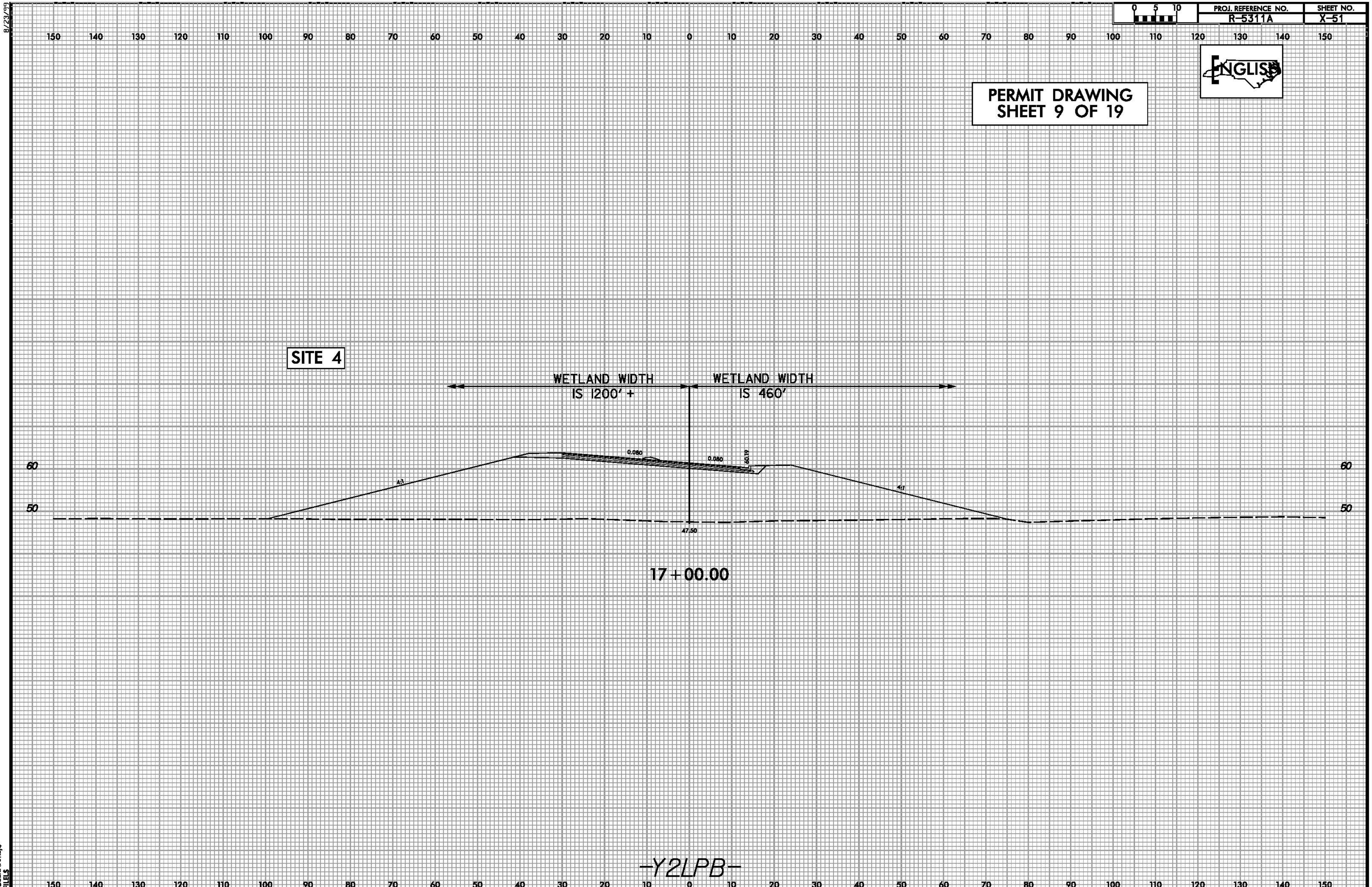
PROJ. REFERENCE NO.	SHEET NO.
R-5311A	X-15

PERMIT DRAWING
SHEET 7 OF 19



PROJ. REFERENCE NO.	SHEET NO.
R-5311A	X-38

PERMIT DRAWING
SHEET 8 OF 19



8/23/99

9/28/2016
$USERNAME$
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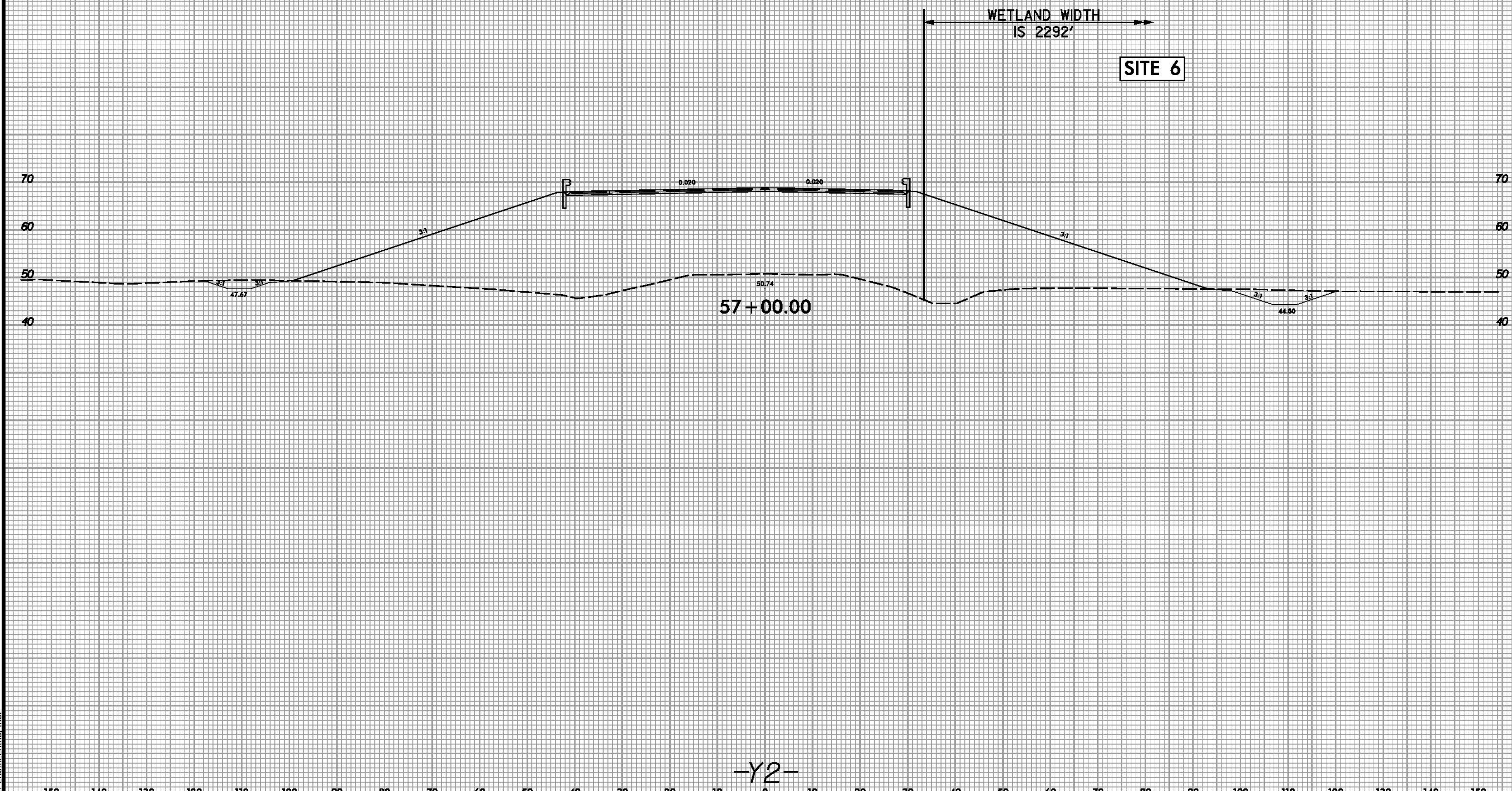
PROJ. REFERENCE NO.	SHEET NO.
R-5311A	X-43

ENGLISH

PERMIT DRAWING
SHEET 10 OF 19



-Y2-

9/28/2016
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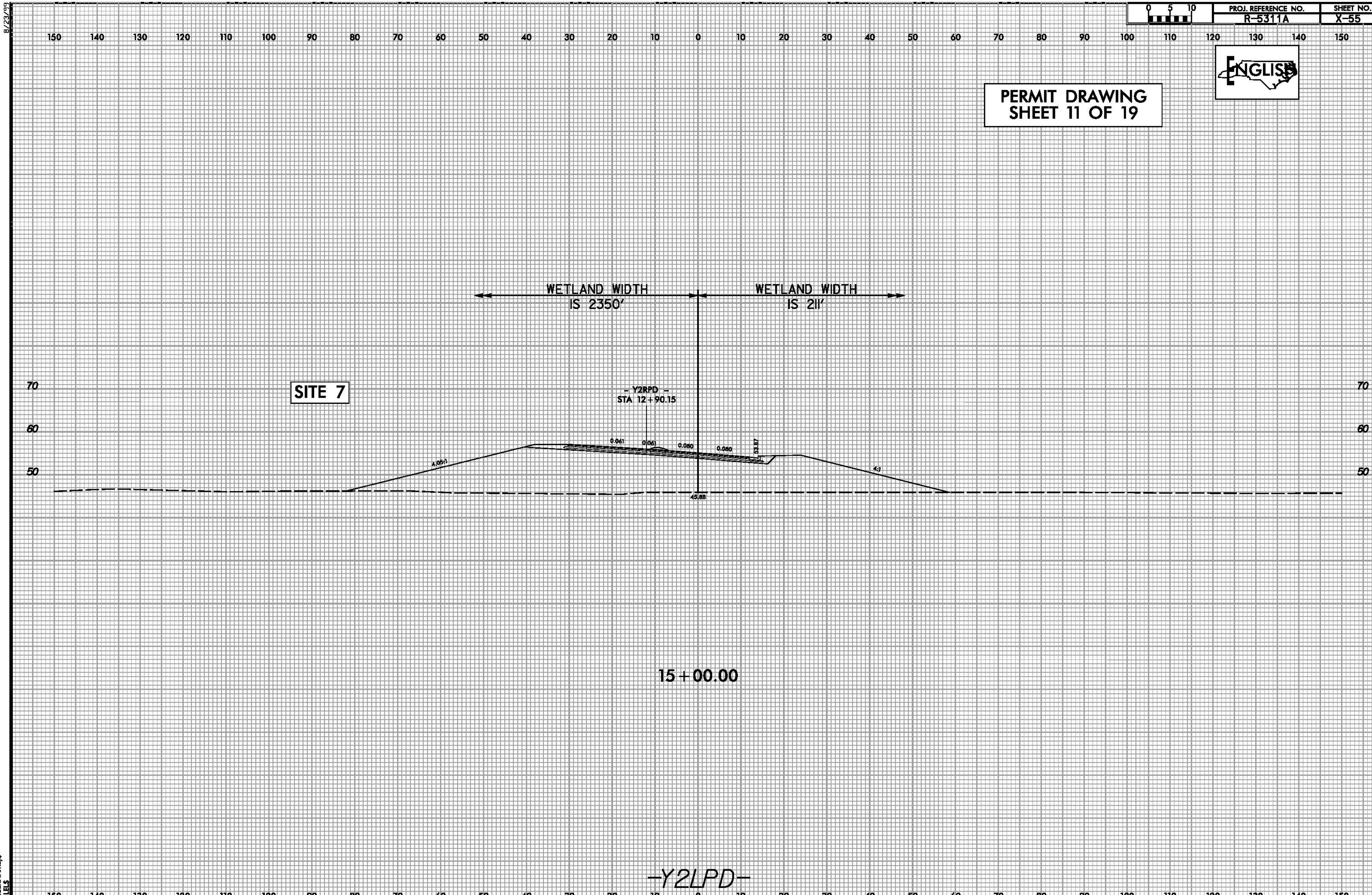
ICA ENGINEERING, INC.

PROJ. REFERENCE NO.	SHEET NO.
R-5311A	X-55

PERMIT DRAWING
SHEET 11 OF 19



8/23/99
9/28/2016
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$FILE$

ICA Engineering
5121 Kingdom Way,
Suite 100
Raleigh, NC 27607
NC License No: F-0258

PROJECT REFERENCE NO.	SHEET NO.
R-5311A	8
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

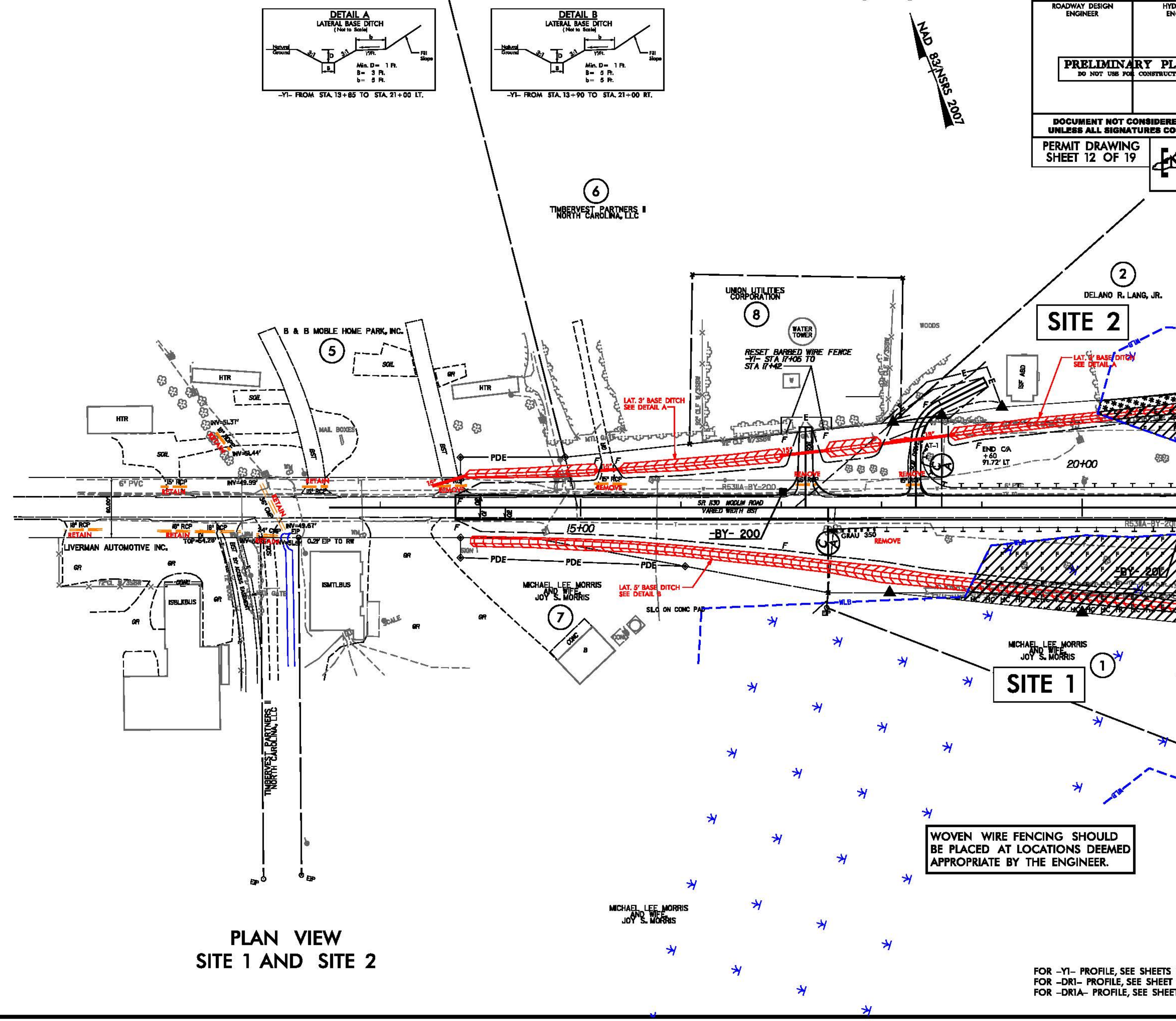
PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING
SHEET 12 OF 19

ENGLISH

NAD 83/NSRS 2007



LEGEND

- WLB — WETLAND BOUNDARY
- DENOTES EXCAVATION IN WETLAND
- DENOTES FILL IN WETLAND
- DENOTES MECHANIZED CLEARING
- DENOTES HAND CLEARING

100 0 50 100
SCALE: 1"= 100' HORIZ.

WOVEN WIRE FENCING SHOULD BE PLACED AT LOCATIONS DEEMED APPROPRIATE BY THE ENGINEER.

PLAN VIEW
SITE 1 AND SITE 2

FOR -Y1- PROFILE, SEE SHEETS 14 & 15
FOR -DR1- PROFILE, SEE SHEET 19
FOR -DR1A- PROFILE, SEE SHEET 18

8/17/99

9/30/2016
ICA ENGINEERING, INC.
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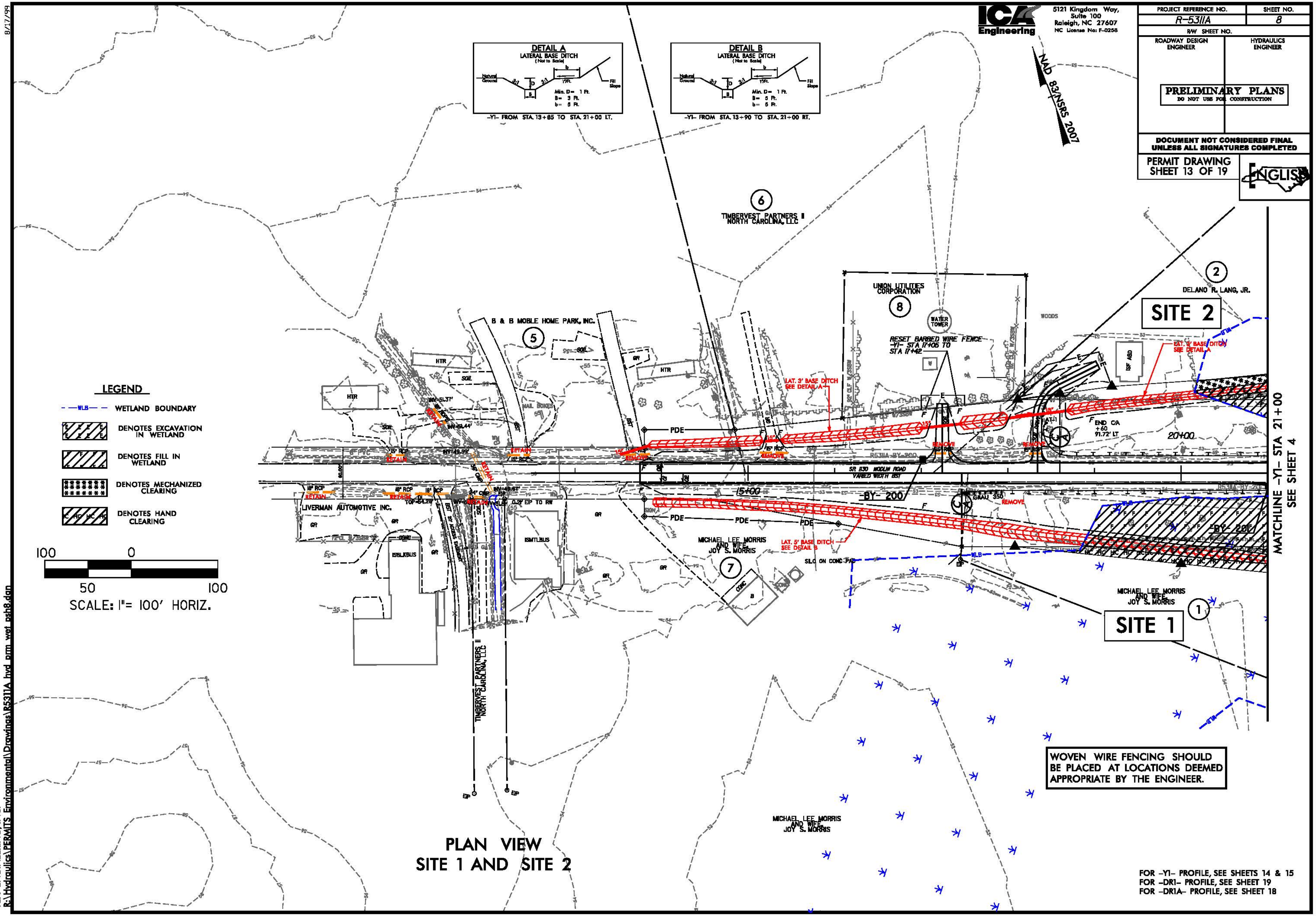
8/17/99



9/30/2016
ICA ENGINEERING, INC.
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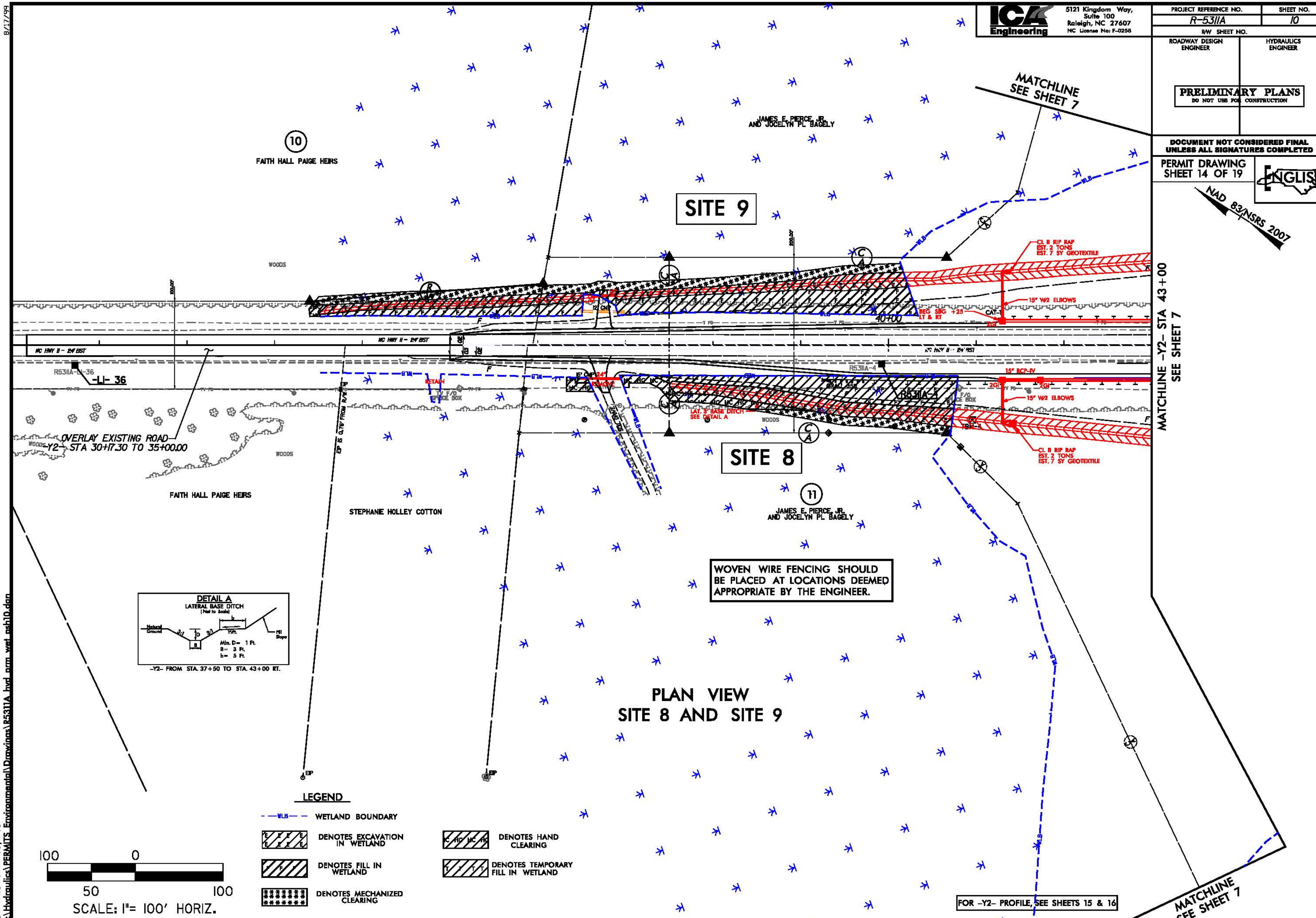
8/17/99



9/30/2016
ICA ENGINEERING, INC.
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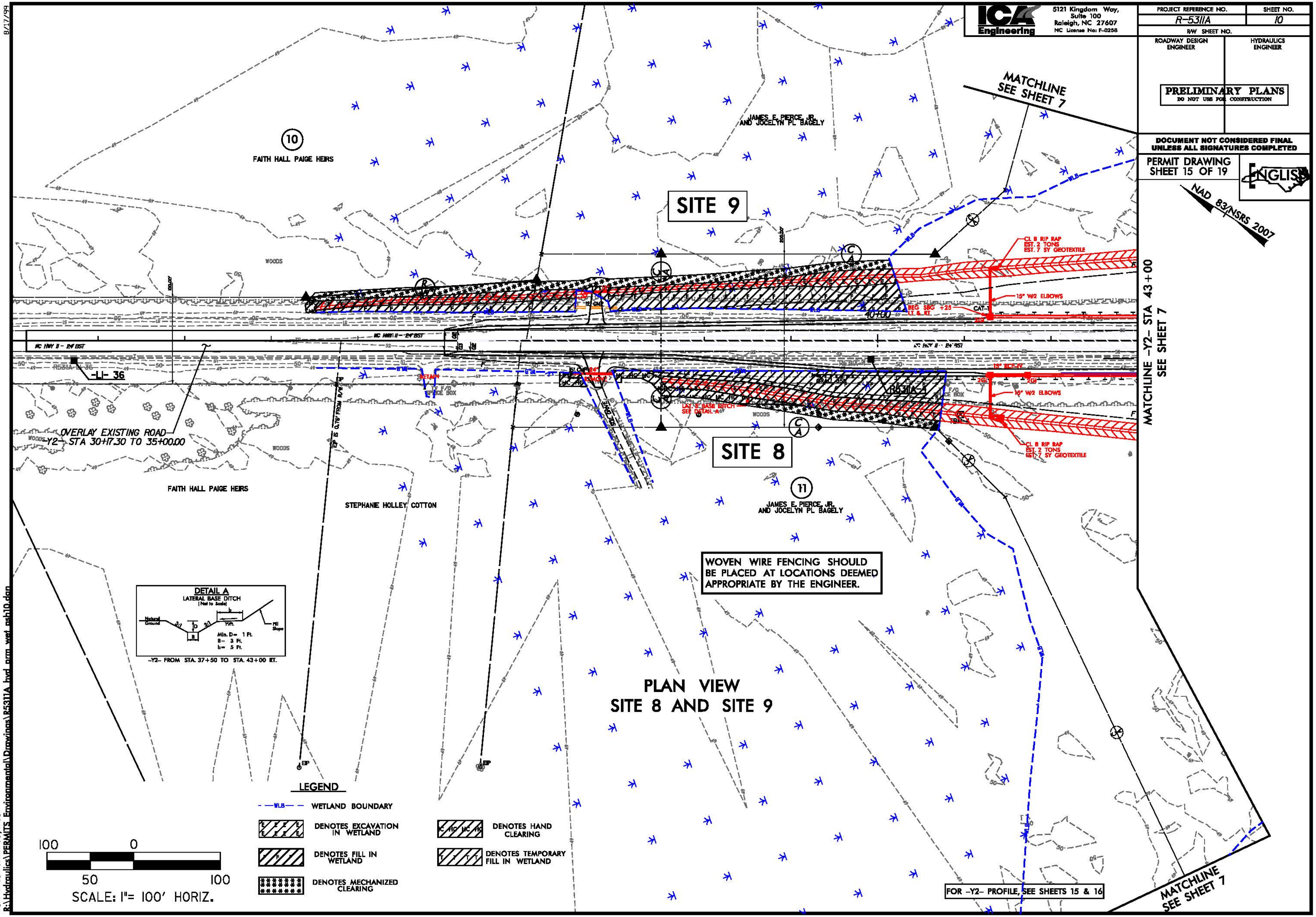
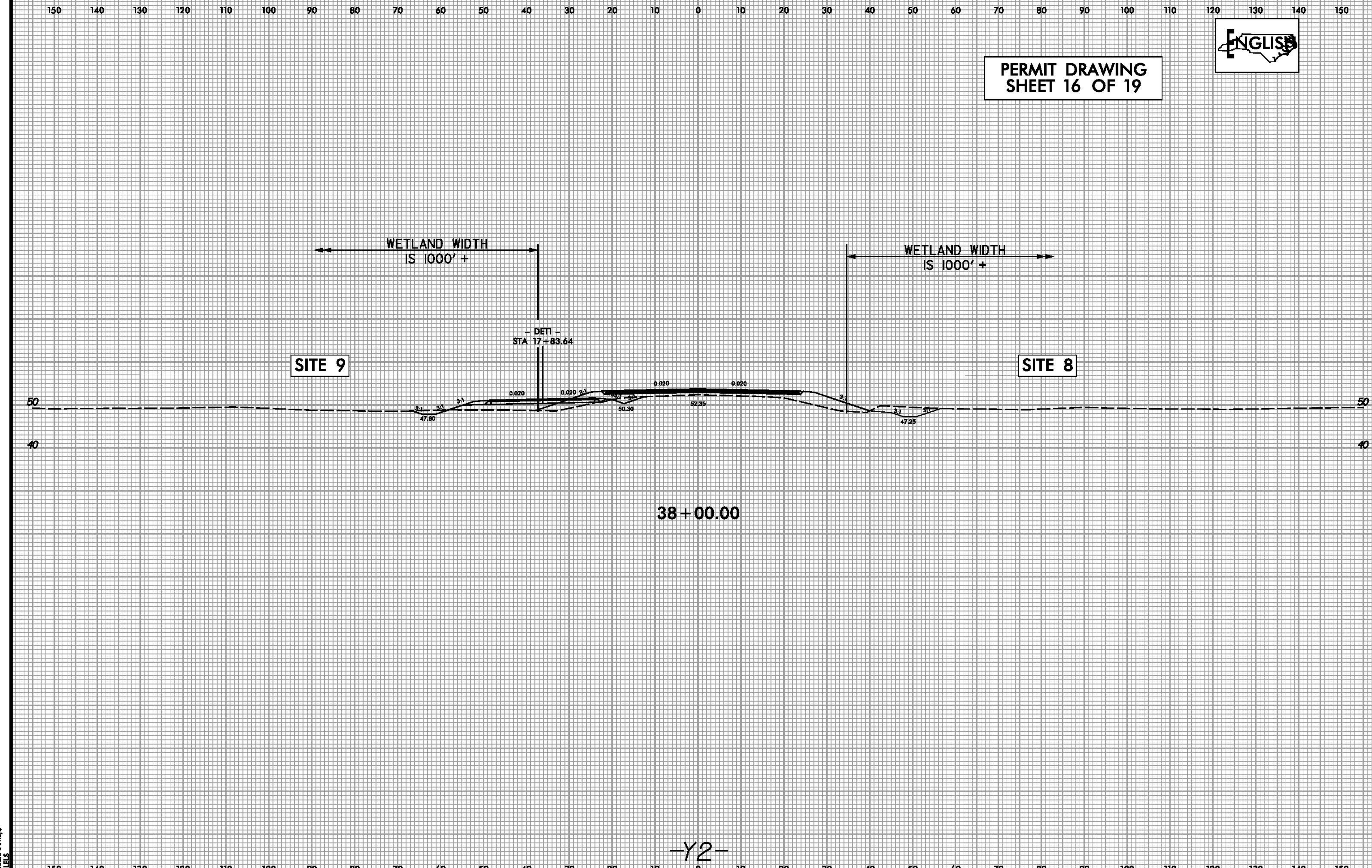


ICA Engineering
5121 Kingdom Way, Suite 100
Raleigh, NC 27607
NC License No: F-0258
PROJECT REFERENCE NO.
R-5311A
SHEET NO.
10
R/W SHEET NO.
ROADWAY DESIGN ENGINEER
HYDRAULICS ENGINEER
PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED
PERMIT DRAWING
SHEET 15 OF 19
ENGLISH
NAD 83/NSRS 2007
MATCHLINE
SEE SHEET 7
MATCHLINE -Y2- STA 43+00
SEE SHEET 7
8/17/99
10
FAITH HALL PAIGE HEIRS
JAMES E. PIERCE, JR. AND JOCELYN PL BAGELY
SITE 9
WOODS
CL B RIP RAP
EST. 2 TONS
EST. 7 SY GEOTEXTILE
15" W2 ELBOWS
BEG SBG +25 LT & RT
40+00
NC HWY 11 - 24' BST
-L1- 36
R5311A-L-36
OVERLAY EXISTING ROAD
-Y2- STA 30+17.30 TO 35+00.00
WOODS
FAITH HALL PAIGE HEIRS
STEPHANIE HOLLEY COTTON
LAT. "S" BASE DITCH
SEE DETAIL A
SITE 8
11
JAMES E. PIERCE, JR. AND JOCELYN PL BAGELY
CL B RIP RAP
EST. 2 TONS
EST. 7 SY GEOTEXTILE
WOVEN WIRE FENCING SHOULD BE PLACED AT LOCATIONS DEEMED APPROPRIATE BY THE ENGINEER.
DETAIL A
LATERAL BASE DITCH
(Not to Scale)
Natural Ground
Fill Slope
Min. D= 1 Ft.
B= 3 Ft.
b= 5 Ft.
-Y2- FROM STA. 37+50 TO STA. 43+00 RT.
PLAN VIEW
SITE 8 AND SITE 9
LEGEND
WLB WETLAND BOUNDARY
DENOTES EXCAVATION IN WETLAND
DENOTES FILL IN WETLAND
DENOTES MECHANIZED CLEARING
DENOTES HAND CLEARING
DENOTES TEMPORARY FILL IN WETLAND
100 0 50 100
SCALE: 1" = 100' HORIZ.
FOR -Y2- PROFILE, SEE SHEETS 15 & 16
MATCHLINE
SEE SHEET 7
9/30/2016
ICA ENGINEERING, INC.
R:\Hydraulics\PERMITS_Environmental\Drawings\R5311A_hyd_prm_wet_psh10.dgn

PROJ. REFERENCE NO.	SHEET NO.
R-5311A	X-33

PERMIT DRAWING
SHEET 16 OF 19



9/28/2016
$(USERNAME)$
$FILE$

PROJECT REFERENCE NO. R-5311A | SHEET NO. 11

R/W SHEET NO.

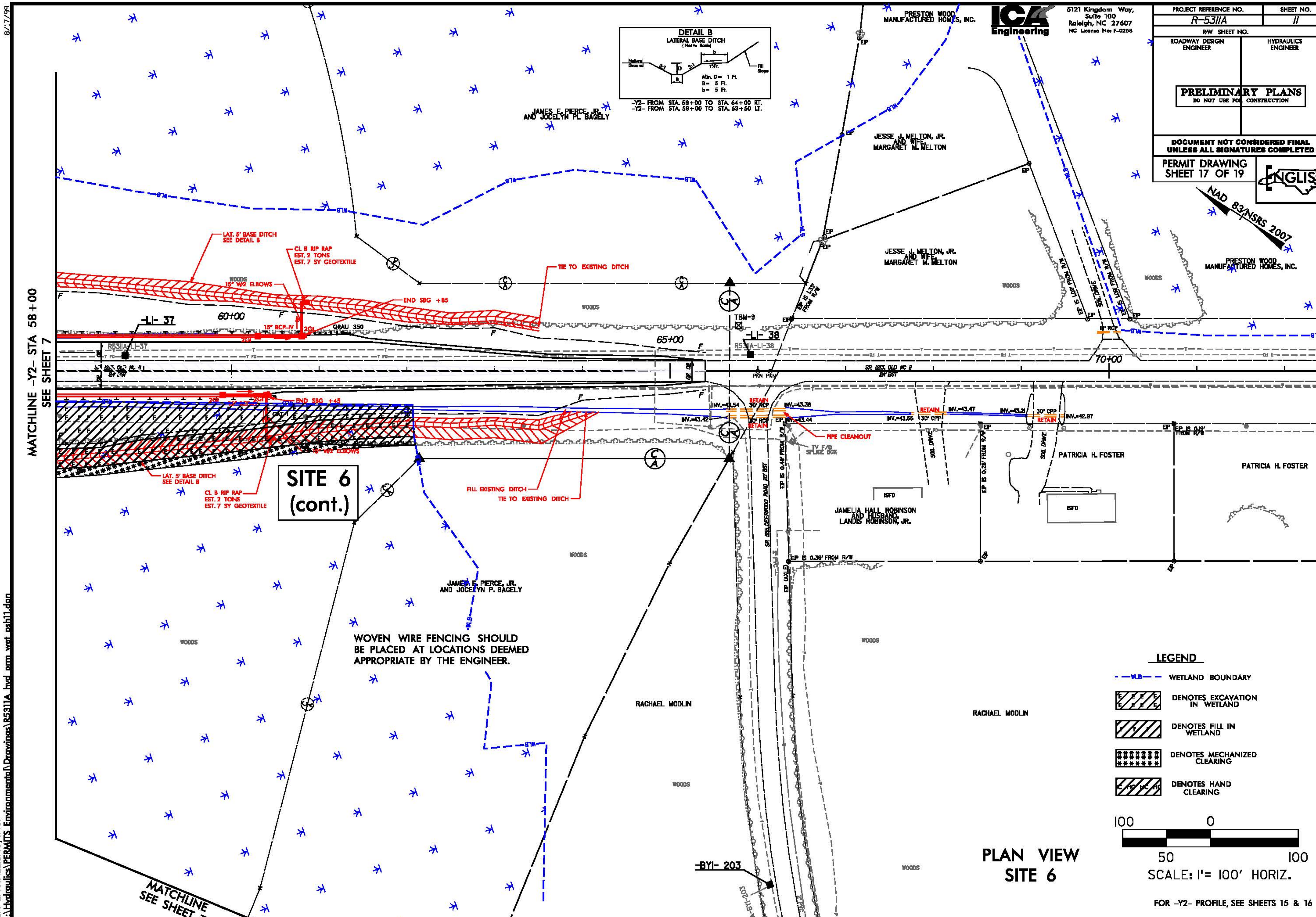
ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING
SHEET 17 OF 19

ICA Engineering
5121 Kingdom Way, Suite 100
Raleigh, NC 27607
NC License No: F-0258



WOVEN WIRE FENCING SHOULD BE PLACED AT LOCATIONS DEEMED APPROPRIATE BY THE ENGINEER.

LEGEND

- WETLAND BOUNDARY
- DENOTES EXCAVATION IN WETLAND
- DENOTES FILL IN WETLAND
- DENOTES MECHANIZED CLEARING
- DENOTES HAND CLEARING

PLAN VIEW
SITE 6

SCALE: 1" = 100' HORIZ.

FOR -Y2- PROFILE, SEE SHEETS 15 & 16

8/17/99

9/30/2016
ICA ENGINEERING, INC.
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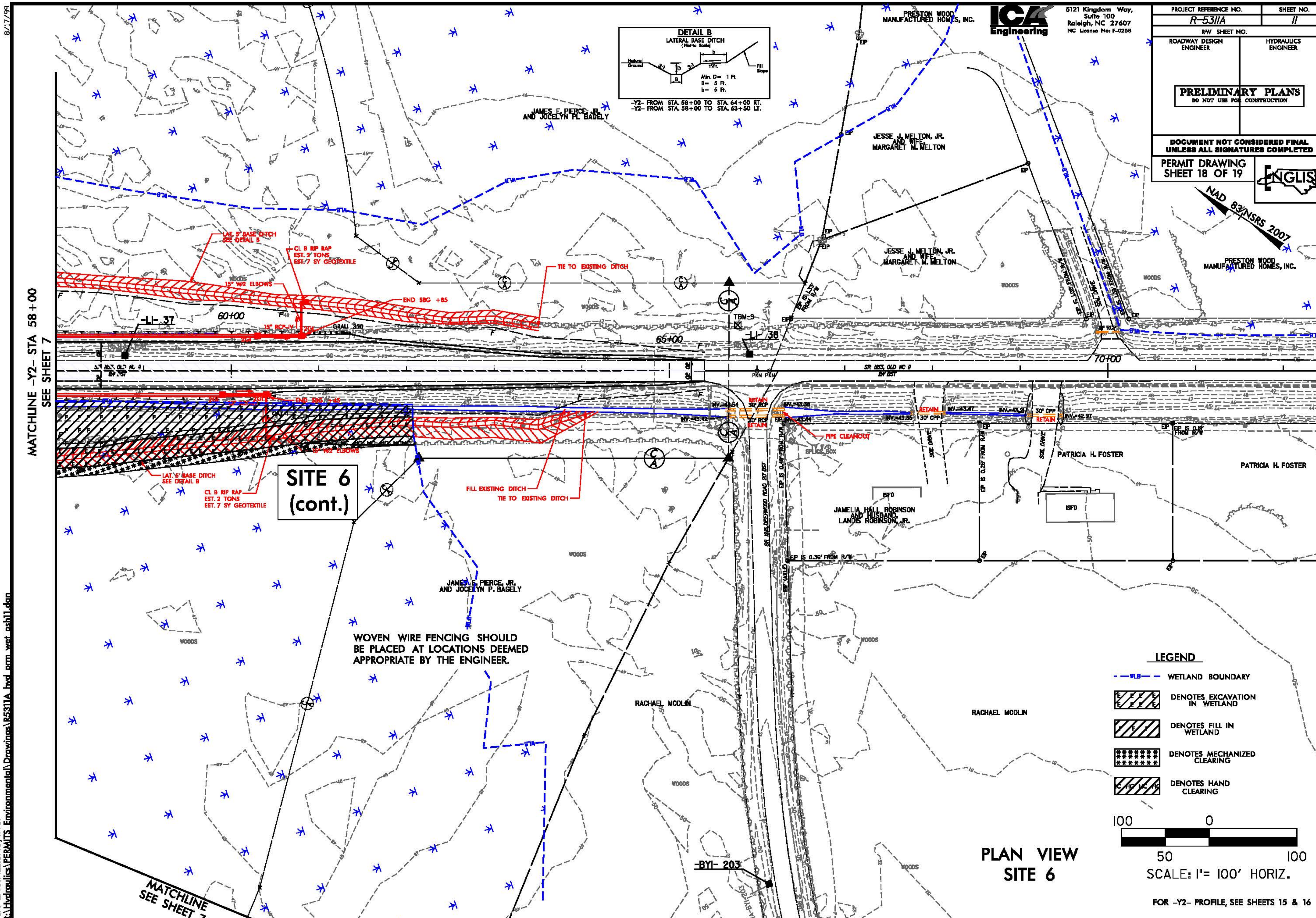
8/17/99



9/30/2016
ICA ENGINEERING, INC.
R:\Hydraulics\PERMITS Environmental\Drawings\R5311A_hyd_prm_wet_psh11.dgn

WETLAND PERMIT IMPACT SUMMARY

Site No.	Station (From/To)	Structure Size / Type	WETLAND IMPACTS: Permanent Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation in Wetlands (ac)	Mechanized Clearing in Wetlands (ac)	Hand Clearing in Wetlands (ac)	SURFACE WATER IMPACTS: Permanent SW impacts (ac)	Temp. SW impacts (ac)	Existing Channel Impacts Permanent (ft)	Existing Channel Impacts Temp. (ft)	Natural Stream Design (ft)
1	-Y1- 24+35 RT TO -Y1- 18+57 RT	ROADWAY FILL & BASE DITCH	0.74		0.15	0.03	0.11					
2	-Y1- 20+15 TO 24+05 LT	ROADWAY FILL & BASE DITCH	0.45		0.08	0.09	< 0.01					
3	-L2- 10+26 TO 12+07 RT	ROADWAY FILL					0.02					
4	-L2- 11+77 TO 15+94 LT, -Y2RPB- 10+58 LT TO -Y2- 45+86 RT, -Y2- 44+94 TO 50+53 RT	ROADWAY FILL , BASE DITCH & SPECIAL CUT DITCH	3.84		0.17	0.28	0.18					
5	-Y2- 45+32 TO 50+08 LT	ROADWAY FILL & BASE DITCH	0.77		0.13	0.02	0.08					
6	-Y2- 55+87 TO 62+10 RT	ROADWAY FILL & BASE DITCH	0.61		0.33	0.13	0.02					
7	-Y2LPD- 10+00 TO 19+10	ROADWAY FILL & SPECIAL CUT DITCH	2.44		0.03	0.29	0.03					
8	-Y2- 36+33 TO 40+79 RT	ROADWAY FILL, BASE DITCH & 24" RCP	0.17		0.12	0.04	0.05					
9	-Y2- 33+39 TO 40+33 LT	ROADWAY FILL & BASE DITCH	0.25		0.16	0.15	< 0.01					
TOTALS*:			9.27		1.17	1.03	0.50					

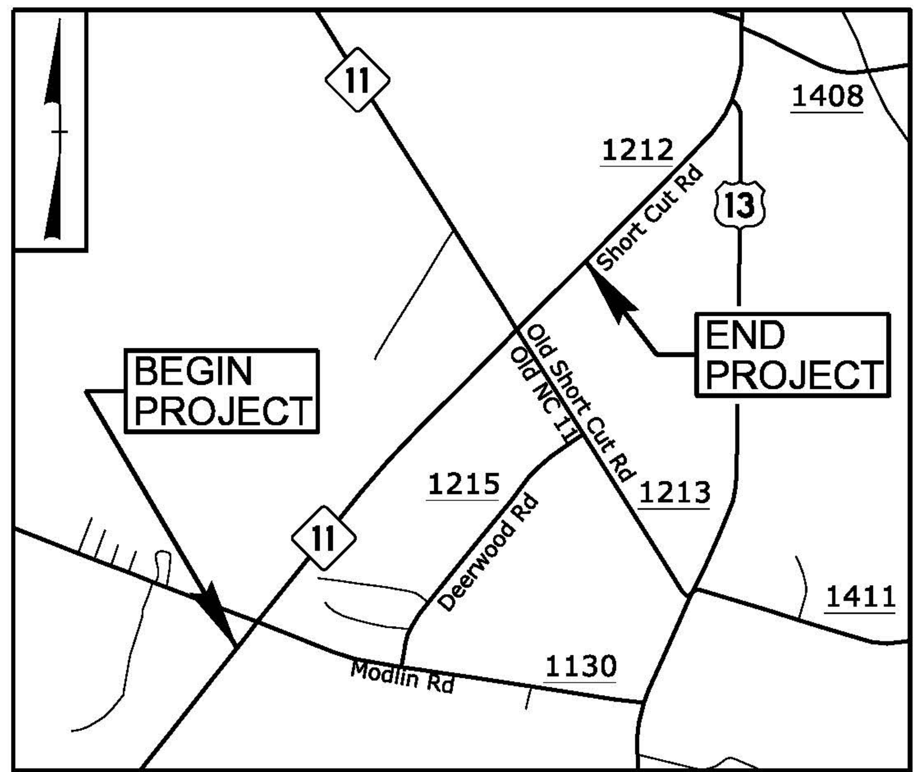
*Rounded totals are sum of actual impacts

NOTES:

0.01 acres of Temporary Fill in Wetlands in the Hand Clearing areas for erosion control measures.

NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
REVISED 1/6/2017
HERTFORD COUNTY
R-5311A
45449.1.2

See Sheet 1A For Index of Sheets
See Sheet 1B For Conventional Symbols



VICINITY MAP

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-5311A	1	5
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
45449.1.2	NHF-0013(37)	P.E.	

NES PERMIT DRAWING PLANS

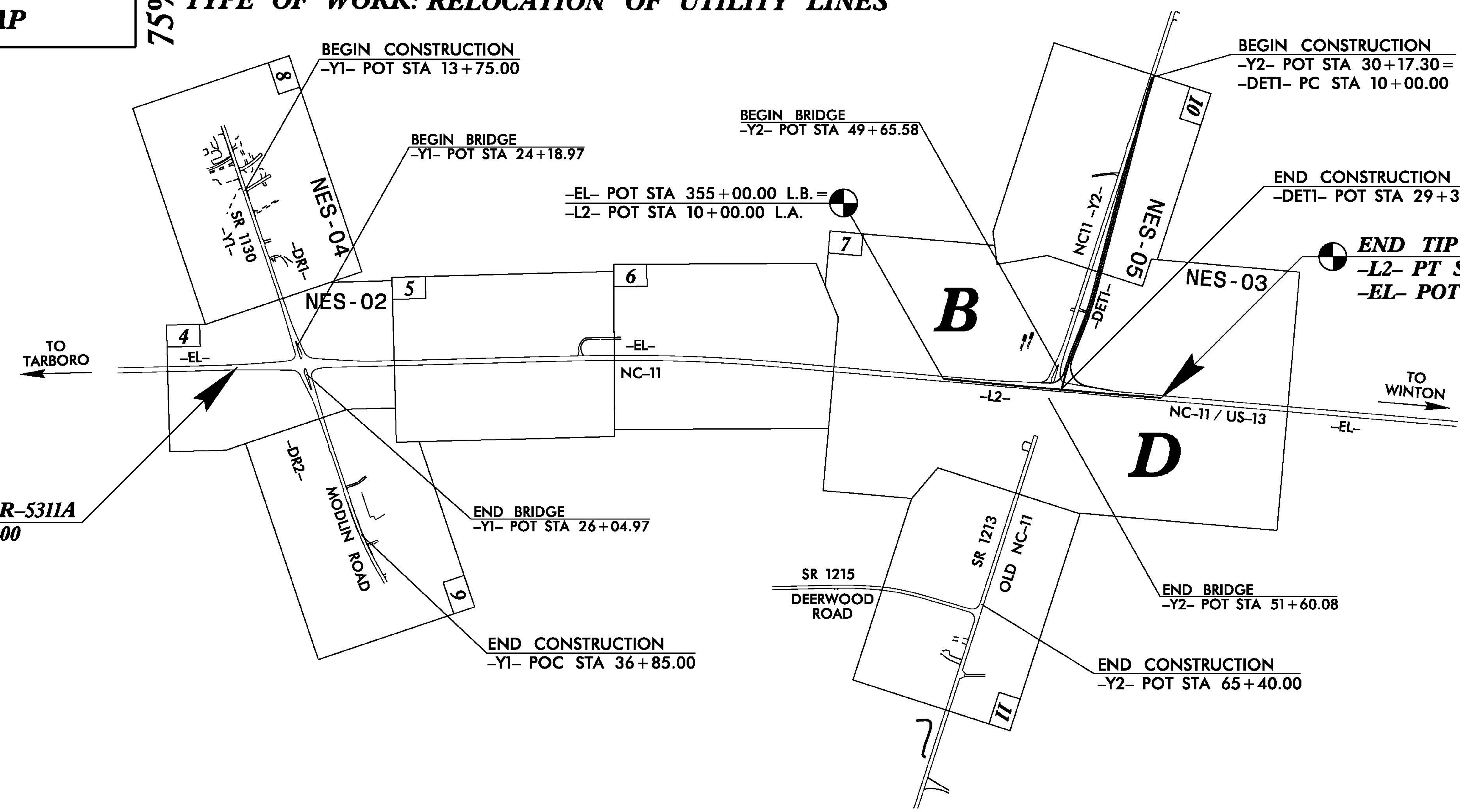
HERTFORD COUNTY

75% PLANS

LOCATION: WEST OF MODLIN ROAD TO EAST OF NC 11/SR 1213 (OLD NC 11 ROAD). CONSTRUCT GRADE SEPARATION AT SR 1130 (MODLIN ROAD) AND INTERCHANGE AT OLD NC 11/SR 1213 (OLD NC 11 ROAD).

TYPE OF WORK: RELOCATION OF UTILITY LINES

NAD 83/ NSRS 2007



NOTES:

THIS IS A CONTROLLED ACCESS PROJECT WITH ACCESS BEING LIMITED TO INTERCHANGES.

CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

GRAPHIC SCALES

50 25 0 50 100
PLANS

50 25 0 50 100
PROFILE (HORIZONTAL)

10 5 0 10 20
PROFILE (VERTICAL)

DESIGN DATA

ADT (2017) = 7,500
ADT (2037) = 10,830
K = 10 %
D = 55 %
T = 26 % *
V = 60 MPH
* TTST = 22% DUAL 4%
FUNC CLASS = ARTERIAL
REGIONAL TIER

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT R-5311A = 1.116 MILES
TOTAL LENGTH TIP PROJECT R-5311A = 1.116 MILES

Prepared for the North Carolina Department of Transportation In the office of:

ICA Engineering
5121 Kingdom Way, Suite 100
Raleigh, NC 27607
NC License No. F-0258

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
JUNE 17, 2016

LETTING DATE:
JUNE 20, 2017

DENA C. SNEAD, PE
PROJECT ENGINEER

JORDAN C. BOND
PROJECT DESIGN ENGINEER

GARY LOVERING, PE
ROADWAY DESIGN - PROJECT ENGINEER

HYDRAULICS ENGINEER

SIGNATURE: P.E.

ROADWAY DESIGN ENGINEER

SIGNATURE: P.E.

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

TIP PROJECT: R-5311A

CONTRACT:

09/28/99

02-AUG-2016 15:15
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$$$$USERNAME$$$$

5121 Kingdom Way, Suite 100
Raleigh, NC 27607
NC License No: F-0258
Engineering
PROJECT REFERENCE NO.
R-5311A
SHEET NO.
NES-02
R/W SHEET NO.
ROADWAY DESIGN ENGINEER
HYDRAULICS ENGINEER
INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED
TIMBERVEST PARTNERS II NORTH CAROLINA, LLC
NAD 83/NSRS 2007
ADT 2017 1,500
ADT 2037 -Y1- 2,170
3,770
5,580
-L2- NC 11
-L2- SHORT CUT RD
3,770
5,580
-Y1- 1,500
2,170
HC HC
DENOTES HAND CLEARING
MATCHLINE -Y1- STA 21+00 SEE SHEET 8
MATCHLINE -Y1- STA 29+00 SEE SHEET 9
MATCHLINE -EL- STA 320+00 SEE SHEET 5
UTILITY IMPACT SITE 1
0.086 Acres
Overhead Power Telephone CableTV and FO Lines
Underground FO Cables
Prop Power Pole
Sta 21+32.65
Off 110.27 LT
<0.01 ac
Prop Power Pole
Sta 23+91.80
Off 129.26 LT
<0.01 ac
MICHAEL LEE MORRIS AND WIFE JOY S. MORRIS
PIN:5984-71-9444
DB 718 PG 312
DELANO R. LANG, JR.
PIN:5984-81-2737
DB 153 PG 517
WILL FILE 89-E-13
MB 1PG 588 1/2
DELANO R. LANG, JR.
PIN:5984-80-2182
WILL FILE 89-E-13
DB 144 PG 68
DB 304 PG 150
DB 389 PG 755 (TRACT 2)
MB 1PG 588 1/2
DELANO R. LANG, JR.
PIN:5984-80-2182
DB 389 PG 755???
WILL FILE 89-E-13
MB 1PG 588 1/2
BEGIN APPROACH SLAB
-Y1- POT STA 24+04.84
BEGIN BRIDGE
-Y1- POT STA 24+18.97
FENCING SHOULD BE PLACED AT LOCATIONS DEEMED APPROPRIATE BY THE ENGINEER.
BEGIN TIP PROJECT R-5311A
-EL- POT STA 310+00.00
-L- POT STA 95+14.45 =
-Y1- POT STA 25+12.22
-EL- POT STA 314+22.22 =
-Y1- POT STA 25+47.22
SINGLE FACED CONCRETE BARRIER
GRADE TO DRAIN
BEGIN FENCE
ABANDON
REM
N 38°18'17.1" E
NC HWY 11 - 32' BST
OVERLAY EXISTING ROAD
-EL- STA 310+00.00 TO 355+00.00
END BRIDGE
-Y1- POT STA 26+04.97
END APPROACH SLAB
-Y1- POT STA 26+19.10
WOODS
CULTIVATED
PAVEMENT REMOVAL
FOR -EL- PROFILE, SEE SHEET 12 & 13
FOR -Y1- PROFILE, SEE SHEET 14 & 15
FOR BRIDGE /PAVEMENT RELATIONSHIP SKETCH, SEE SHEET 2B-4
8/17/99
21-OCT-2016 11:17
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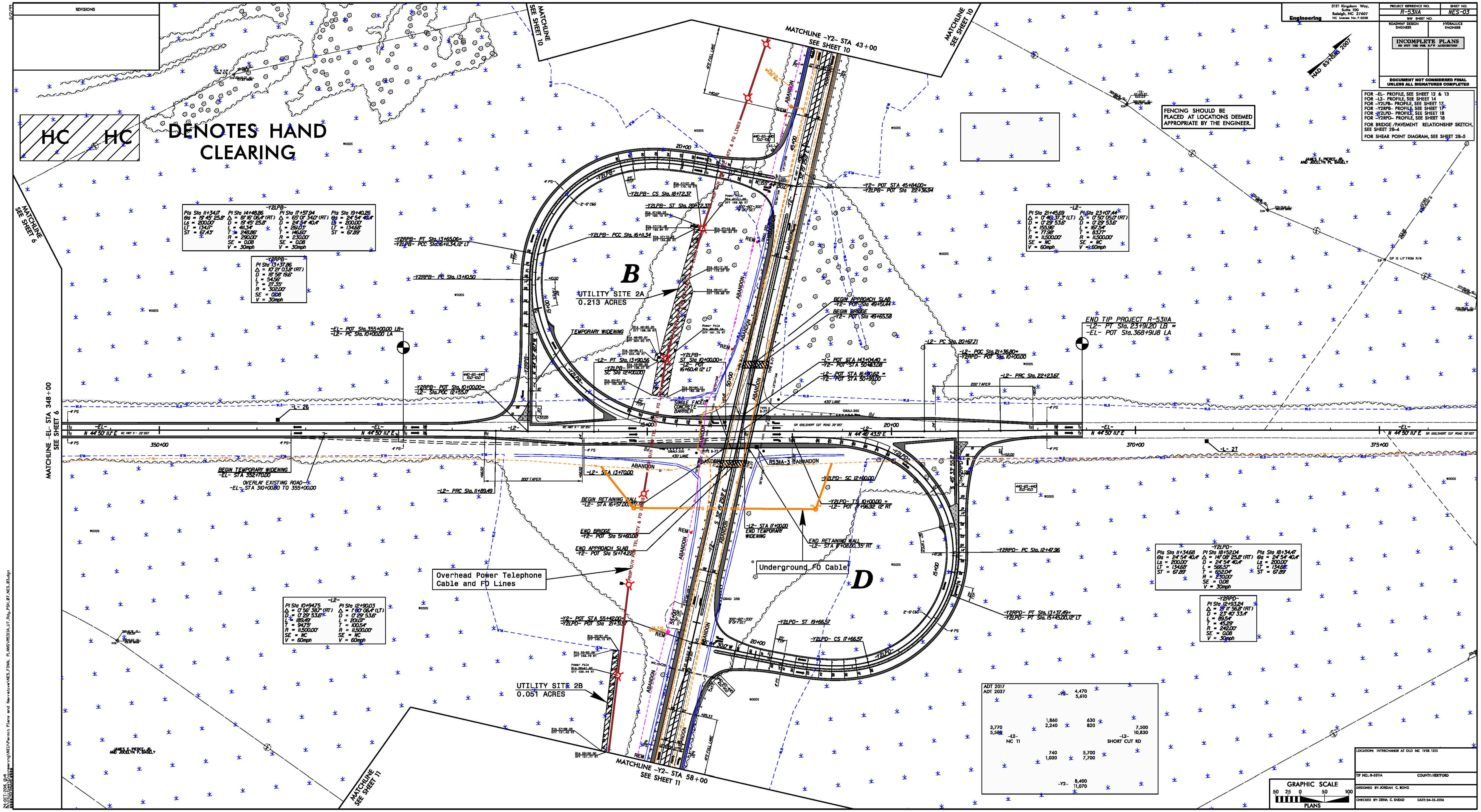
$$$$USERNAME$$$$



REVISIONS
HC HC DENOTES HAND CLEARING
MATCHLINE SEE SHEET 10
MATCHLINE -Y2- STA 43+00 SEE SHEET 10
MATCHLINE SEE SHEET 6
MATCHLINE -EL- STA 348+00 SEE SHEET 6
MATCHLINE -Y2- STA 58+00 SEE SHEET 11
MATCHLINE SEE SHEET 11
R-5311A
NES-03
INCOMPLETE PLANS
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED
NAD 83/NSRS 2007
FOR -EL- PROFILE, SEE SHEET 12 & 13
FOR -L2- PROFILE, SEE SHEET 14
FOR -Y2LPB- PROFILE, SEE SHEET 17
FOR -Y2RPB- PROFILE, SEE SHEET 17
FOR -Y2LPD- PROFILE, SEE SHEET 18
FOR -Y2RPD- PROFILE, SEE SHEET 18
FOR BRIDGE /PAVEMENT RELATIONSHIP SKETCH, SEE SHEET 2B-4
FOR SHEAR POINT DIAGRAM, SEE SHEET 2B-5
FENCING SHOULD BE PLACED AT LOCATIONS DEEMED APPROPRIATE BY THE ENGINEER.
B
UTILITY SITE 2A
0.213 ACRES
D
Underground FO Cable
Overhead Power Telephone Cable and FO Lines
UTILITY SITE 2B
0.051 ACRES
END TIP PROJECT R-5311A
-L2- PT Sta. 23+91.20 LB =
-EL- POT Sta. 368+91.18 LA
BEGIN TEMPORARY WIDENING -EL- STA 352+70.00
OVERLAY EXISTING ROAD -EL- STA 310+00.00 TO 355+00.00
BEGIN RETAINING WALL
END RETAINING WALL
BEGIN APPROACH SLAB
BEGIN BRIDGE
END BRIDGE
END APPROACH SLAB
TEMPORARY WIDENING
SINGLE FACED CONCRETE BARRIER
ABANDON
REM
ADT 2017
ADT 2037
GRAPHIC SCALE
PLANS
LOCATION: INTERCHANGE AT OLD NC 11/SR 1213
COUNTY: HERTFORD
DESIGNED BY: JORDAN C. BOND
CHECKED BY: DENA C. SNEAD

5121 Kingdom Way, Suite 100
Raleigh, NC 27607
NC License No: F-0258
Engineering

PROJECT REFERENCE NO.	SHEET NO.
R-5311A	NES-04

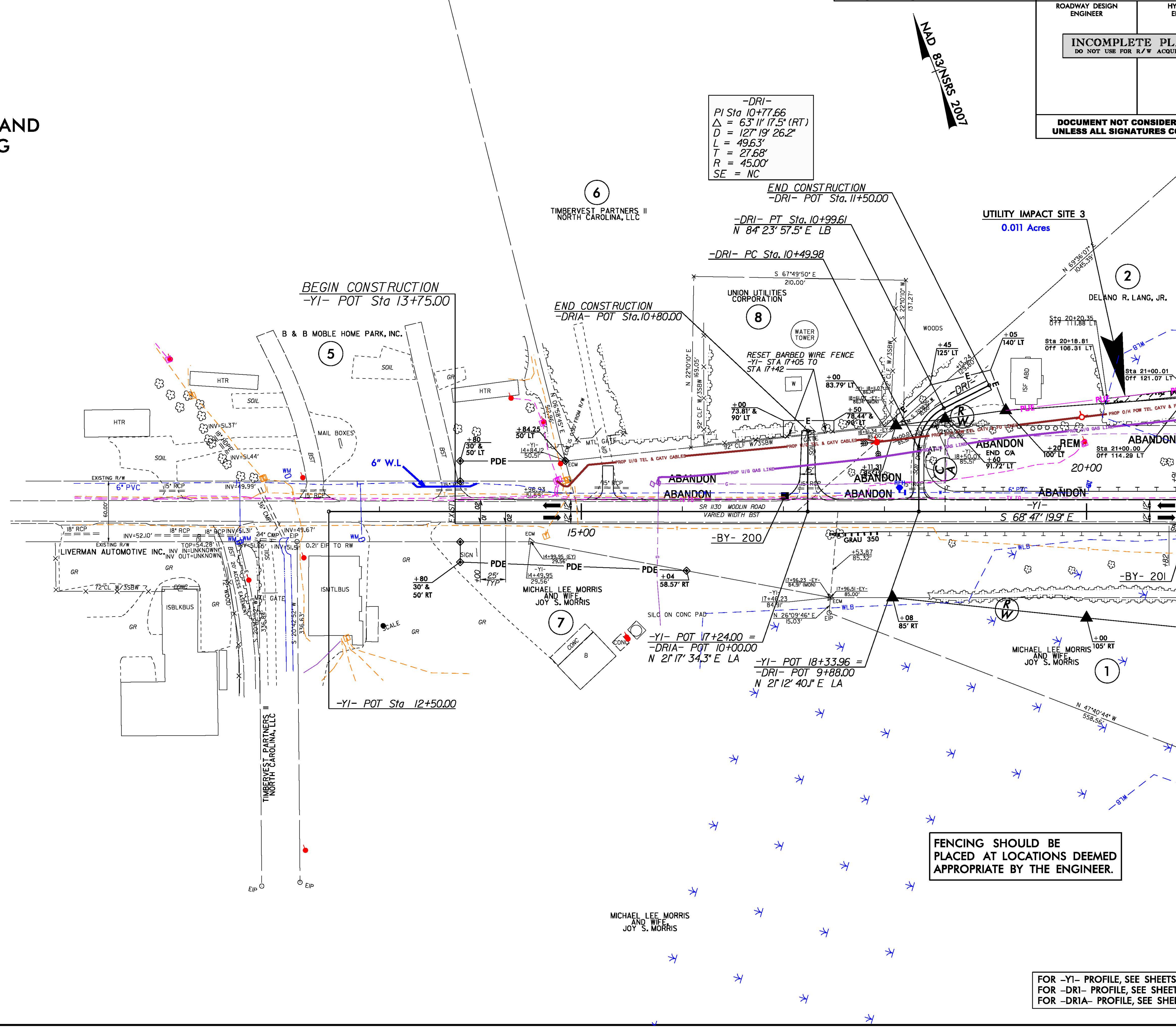
R/W SHEET NO.

ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

HC HC DENOTES HAND CLEARING



FENCING SHOULD BE PLACED AT LOCATIONS DEEMED APPROPRIATE BY THE ENGINEER.

FOR -Y1- PROFILE, SEE SHEETS 14 & 15
FOR -DRI- PROFILE, SEE SHEET 19
FOR -DR1A- PROFILE, SEE SHEET 18

8/17/99

24-OCT-2016 12:54
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$$$$USERNAME$$$$

5121 Kingdom Way,
Suite 100
Raleigh, NC 27607
NC License No: F-0258
Engineering
PROJECT REFERENCE NO.
R-5311A
SHEET NO.
NES-05
R/W SHEET NO.
ROADWAY DESIGN ENGINEER
HYDRAULICS ENGINEER
INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED
-DET1-
PI Sta 11+38.30
Δ = 3° 12' 49.4" (LT)
D = 1° 09' 43.9"
L = 276.52'
T = 138.30'
R = 4,930.00'
SE = 0.02
V = 45mph
HC HC
DENOTES HAND CLEARING
FAITH HALL PAIGE HEIRS
JAMES E. PIERCE, JR. AND JOCELYN PL BAGELY
STEPHANIE HOLLEY COTTON
WOODS
MATCHLINE SEE SHEET 7
NAD 83/NSRS 2007
MATCHLINE -Y2- STA 43+00 SEE SHEET 7
ABANDON
REM
NC HWY 11 - 24' BST
EXISTING R/W
Power Pole
Sta 15+57.45 Off 58.68 RT
Sta 16+34.96 Off 98.28 RT
Sta 16+50.37 Off 99.13 RT
Sta 17+70.14 Off 120.62 RT
Sta 19+08.94 Off 128.41 RT
Sta 19+82.84 Off 140.43 RT
Sta 16+84.52 Off 101.00 RT
Sta 18+58.60 Off 110.61 RT
Sta 19+26.82 Off 125.66 RT
Sta 19+76.60 Off 130.98 RT
Sta 20+47.71 Off 144.06 RT
Sta 15+43.64 Off 85.31 RT
Sta 16+93.45 Off 131.36 RT
Sta 19+07.27 Off 143.34 RT
Sta 20+46.10 Off 152.43 RT
Sta 20+34.97 Off 164.71 RT
Sta 16+30.36 Off 112.77 RT
Sta 16+26.11 Off 127.44 RT
Sta 16+63.11 Off 130.14 RT
Overhead Power Telephon CATV Fiber Optic Lines
UTILITY IMPACT SITE 4
0.296 Acres
FENCING SHOULD BE PLACED AT LOCATIONS DEEMED APPROPRIATE BY THE ENGINEER.
FOR -Y2- PROFILE, SEE SHEETS 15 & 16
TBM-4
15+00
20+00
TV F/O SPLICE BOX
12" CMP
15" CMP

WETLAND PERMIT IMPACT SUMMARY													
			WETLAND IMPACTS					SURFACE WATER IMPACTS					
Site No.	Station (From/To)	Structure Size / Type	Permanent Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation in Wetlands (ac)	Mechanized Clearing in Wetlands (ac)	Hand Clearing in Wetlands (ac)	Permanent SW impacts (ac)	Temp. SW impacts (ac)	Existing Channel Impacts Permanent (ft)	Existing Channel Impacts Temp. (ft)	Natural Stream Design (ft)
1	-Y1- Sta 21+32.65	Power Pole	<0.01									
1	-Y1- Sta 23+91.80	Power Pole	<0.01									
1	-Y1- Sta 21+00.00 to Sta 24+19.02	Maintained Utility Easement					0.086					
2	-Y2- Sta 47+11.66	Power Pole	<0.01									
2	-Y2- Sta 49+88.14	Power Pole	<0.01									
2	-Y2- Sta 56+41.50	Power Pole	<0.01									
2A	-Y2- Sta 47+05.02 to Sta 50+67.20	Maintained Utility Easement					0.213					
2B	-Y2- Sta 55+91.91 to Sta. 58+00.00	Maintained Utility Easement					0.051					
3	-Y1- Sta 20+18.81 to Sta 21+00.01	Maintained Utility Easement					0.011					
4	-DET1- Sta 15+43.64 to Sta 16+63.11	Maintained Utility Easement					0.080					
4	-DET1- Sta 16+84.52 to Sta 20+47.71	Maintained Utility Easement					0.216					
4	-DET1- Sta 16+30.36	Power Pole	<0.01									
4	-DET1- Sta 17+70.14	Power Pole	<0.01									
4	-DET1- Sta 19+08.94	Power Pole	<0.01									
4	-DET1- Sta 19+82.84	Power Pole	<0.01									
TOTALS*:			<0.01				0.66					

*Rounded totals are sum of actual impacts

NOTES: 6.25 sqft of permanent fill per power pole. 9 proposed poles located within wetland boundaries.
Total: 56.25 sqft = 0.001 ac.
<0.01

NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
October 24, 2016
Hertford County
R-5311A
45449.1.2

SHEET 1 OF 1

Revised 2013 10 24