KO & ASSOCIATES, P.C.
Consulting Engineers
5121 Kingdom Way, Suite 100
Raleigh, North Carolina 27607
(919) 851-6066 • Fax: (919) 851-6846

LETTER OF TRANSMITTAL

TO: Galen Cail, PE
NCDOT Hydraulics Unit
1590 Mail Services Unit
Raleigh, North Carolina 27699-1590

PHONE: 250-4100
FAX: 250-4108
Email: gcail@ncdot.gov

DATE: June 27, 2008

URS: Work Order 70892.US Master Agreement 54989.UB
SUBJECT: Ko's Project Number K3038.05
State Project 34501.1.1 **(R-2719A)**
Federal Project STP-0224(3)
Lenoir County (Div 02)
Crescent Road in Kinston From US 70 to US 258

WE ARE SENDING YOU: **Attached**

COPIES:		DATE:		NO.		DESCRIPTION
1		6-27-08		---		Original Redlines w/ Cross Sections – Returned for your files
2		6-27-08		---		Permit Drawings for SW / Wetland Impacts: Revised Summary, Shts 2L, 9-10, 16, 19A

THESE ARE TRANSMITTED: **For your use and distribution**

COMMENTS: Galen – We have updated the wetland permit drawings for the revised delineations. Updated are Sites 8, 9, 10, 14, and 16. The drainage was revised in the vicinity of Sites 8 and 10.

Drainage revisions included updates to the Grade to Drain along the Left side from Sta 114+00 to 125+00. Toe Protection was extended from 123+00 to 125+00 LT. Preformed scour hole at 126+12 RT was replaced with standard Class B Riprap pad.

Attached are (2) sets of the updated sheets for your distribution. PDF of the above sheets and updated permit files are being posted vis FTS. If you have any questions, please do not hesitate to call.

cc. File

Signed: W. Herbert Turner Jr.
W. Herbert Turner, Jr., PE
Email: hturner@koassociates.com

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- 74+43	3@12'x10' RCBC						0.10	0.05	499	208	
2	-Y1RPCA- 16+14	3@12'X10' RCBC						0.18	0.07	619	245	
3	-L- 69+50	60" RCP						0.01	< 0.01	158	18	
4	-Y1RPCA- 9+20	60" RCP						0.01	< 0.01	119	18	
5A	-SVRD5- 21+90	2@60" RCP						0.02	0.01	50	18	
5B	-L- 87+80 LT	TEMP 2@36" CSP						0.02	< 0.01	21	61	
6*	-L- 103+73	36" RCP						0.03	0.01	286	36	286*
7	-L- 108+40 TO 109+40	Roadway Fill	0.03				<0.01					
8	-L- 113+26 TO 119+26	Roadway Fill	2.67				0.20					
9	-L- 119+50 TO 127+61	Roadway Fill	2.93				0.31					
10	-L- 127+61 TO 133+27	Roadway Fill	1.96				0.18					
11	-L- 135+50 TO 140+70	2@9'X8' RCBC	1.36		0.03		0.14	0.03	0.03	237	182	
12	-L- 150+80 TO 154+00	2@8'X8' RCBC	0.94		0.01		0.10	0.02	0.02	188	155	
13	-L- 154+80 TO 158+90	Roadway Fill	0.73		0.03		0.09					
14**	-L- 203+39 TO 206+22	Roadway Fill	0.89		0.01	0.02	0.04					
15	-L- 241+20 TO 241+90	Roadway Fill	0.06				0.01					
16	-L- 249+10 TO 253+80	Roadway Fill	0.36				0.08					
17	-Y6- 33+75	TEMP 48" CSP							0.02		109	
18	-Y1- 18+30	EXISTING BRIDGE					<0.01					
19*	-Y1- 38+22	2@9'X6' RCBC						0.04	0.04	186	177	
TOTALS:			11.93	0.00	0.08	0.02	1.15	0.46	0.25	2363	1227	286

* SEE MITIGATION PLANS

** The wetland impact to site 14 aong right side should be considered as a "total take", and the additional impact area is 0.02 acre.
Therefore, the total wetland impact = (0.89+0.01+0.02+0.04)+0.02 = 0.98 acre

Site 5B - Temporary impacts/pipes due to need for Construction Access

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

NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

LENOIR COUNTY
PROJECT: 34501.1.1 (R-2719A)

SHEET June-08

ATN Revised 3/31/05

WETLAND PERMIT IMPACT SUMMARY

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1	-Y1- 74+43	3@12'x10' RCBC						0.10	0.05	499	208	
2	-Y1RPCA- 16+14	3@12'X10' RCBC						0.18	0.07	619	245	
3	-L- 69+50	60" RCP						0.01	< 0.01	158	18	
4	-Y1RPCA- 9+20	60" RCP						0.01	< 0.01	119	18	
5A	-SVRD5- 21+90	2@60" RCP						0.02	0.01	50	18	
5B	-L- 87+80 LT	TEMP 2@36" CSP						0.02	< 0.01	21	61	
6*	-L- 103+73	36" RCP						0.03	0.01	286	36	286*
7	-L- 108+40 TO 109+40	Roadway Fill	0.03				<0.01					
8	-L- 113+26 TO 119+26	Roadway Fill	2.67				0.20					
9	-L- 119+50 TO 127+61	Roadway Fill	2.93				0.31					
10	-L- 127+61 TO 133+27	Roadway Fill	1.96				0.18					
11	-L- 135+50 TO 140+70	2@9'X8' RCBC	1.36		0.03		0.14	0.03	0.03	237	182	
12	-L- 150+80 TO 154+00	2@8'X8' RCBC	0.94		0.01		0.10	0.02	0.02	188	155	
13	-L- 154+80 TO 158+90	Roadway Fill	0.73		0.03		0.09					
14**	-L- 203+39 TO 206+22	Roadway Fill	0.89		0.01	0.02	0.04					
15	-L- 241+20 TO 241+90	Roadway Fill	0.06				0.01					
16	-L- 249+10 TO 253+80	Roadway Fill	0.36				0.08					
17	-Y6- 33+75	TEMP 48" CSP							0.02		109	
18	-Y1- 18+30	EXISTING BRIDGE					<0.01					
19*	-Y1- 38+22	2@9'X6' RCBC						0.04	0.04	186	177	
TOTALS:			11.93	0.00	0.08	0.02	1.15	0.46	0.25	2363	1227	286

* SEE MITIGATION PLANS

** The wetland impact to site 14 aong right side should be considered as a "total take", and the additional impact area is 0.02 acre.
Therefore, the total wetland impact = (0.89+0.01+0.02+0.04)+0.02 = 0.98 acre

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

NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

LENOIR COUNTY
PROJECT: 34501.1.1 (R-2719A)

SHEET June-08

ATN Revised 3/31/05

8/17/99

REVISIONS

GRAPHIC SCALE

50 25 0 50 100

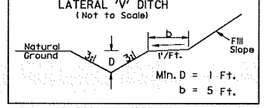
PLANS

Prepared by
URS
URS Corporation – North Carolina
1600 Perimeter Park Drive
Morrisville, North Carolina 27560
TELEPHONE (919) 461-1100 FAX (919) 461-1415

PROJECT REFERENCE NO.	SHEET NO.
R-2719A	2-L
R/W SHEET NO. 2-L	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

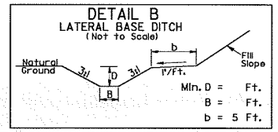
PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

DETAIL A
LATERAL 'V' DITCH
(Not to Scale)



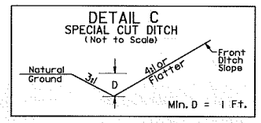
SHEET	ROADWAY	STATION – STATION	SIDE
4	-Y1LPC-	9+00 – 10+87	RT
4	-Y1LPC-	10+87 – 14+34	RT
4,5	-Y1-	71+00 – 74+00	RT
5	-Y1RPCA-	30+70 – 32+70	RT
6	-Y1RPCA-	2+00 – 4+00	LT
11	-L-	141+65 – 144+00	RT
12	-L-	154+10 – 155+77	RT
16	-L-	203+00 – 204+60	RT
18,19	-Y24RPB-	8+50 – 10+20	RT
19	-Y24RPB-	16+05 – 17+50	RT
19	-Y24LPC-	3+87 – 11+75	LT
25,26	-Y1-	46+50 – 48+90	LT
27	-Y1-	98+60 – 99+60	RT

DETAIL B
LATERAL BASE DITCH
(Not to Scale)



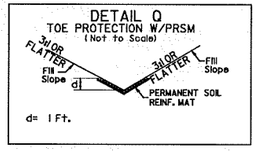
SHEET	ROADWAY	STATION – STATION	SIDE	BASE	MIN. D
4	-Y1-	59+20 – 60+10	RT	2'	1'
4	-Y1-	60+10 – 63+30	RT	5'	2.9'
4	-Y1RPB-	21+20 – 22+90	RT	2'	1'
4,26	-Y1-	48+00 – 60+10	RT	2'	1.6'
5	-Y1RPA-	9+50 – 15+80	LT	2'	1'
5,27	-Y1-	84+80 – 88+00	LT	2'	1'
7,8	-L-	87+80 – 99+00	LT	4'	1'
11	-L-	138+77 – 141+21	RT	4'	1'
12	-L-	153+46 – 155+50	LT	4'	1'
16,17	-L-	211+50 – 214+00	RT	2'	1'
17	-L-	218+00 – 222+50	RT	2'	1'
17	-L-	220+50 – 222+70	RT	4'	1'
18	-L-	233+50 – 235+50	LT	4'	2.5'
18	-L-	235+50 – 237+10	RT	2'	1'
18,19	-L-	237+10 – 241+50	RT	4'	2'
19	-L-	241+50 – 243+00	RT	2'	1.5'
19	-Y24LPB-	8+90 – 10+74	RT	2'	2'
19,20	-L-	251+15 – 253+50	RT	2'	1'
25	-Y1-	37+90 – 39+90	LT	5'	1.7'
25	-Y1-	39+90 – 46+50	LT	2'	1.6'

DETAIL C
SPECIAL CUT DITCH
(Not to Scale)



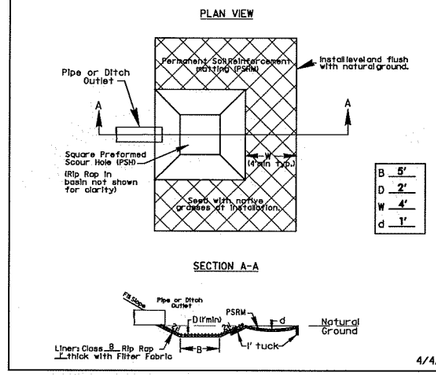
SHEET	ROADWAY	STATION – STATION	SIDE	SHEET	ROADWAY	STATION – STATION	SIDE
9	-SVRD1-	13+00 – 14+00	LT	19	-SVRD2-	13+00 – 14+00	LT
9	-SVRD1-	10+20 – 10+50	LT	19	-Y24RPB-	17+50 – 18+50	LT
9	-SVRD1-	10+20 – 10+50	RT	21	-Y6-	33+93 – 34+00	RT
14,15	-SVRD4-	15+00 – 18+65	LT	21	-Y6-	33+85 – 34+00	LT
14,15	-SVRD4-	15+00 – 19+35	RT	21	-D1-	10+00 – 11+00	LT
15	-SVRD3-	36+50 – 37+00	RT	21,22	-D1-	10+00 – 12+00	RT
15	-SVRD3-	44+50 – 45+18	LT	23	-Y10-	11+00 – 12+17	RT
15	-SVRD3-	45+00 – 45+66	RT	23	-Y1-	21+20 – 24+50	LT
15	-L-	190+00 – 199+50	RT	24	-Y1-	31+00 – 31+80	LT
15	-L-	190+00 – 199+50	LT	27	-Y9-	11+50 – 14+90	LT
15	-SVRD4-	11+50 – 13+50	LT	28	-Y1-	105+00 – 110+50	LT
16	-Y5-	13+50 – 15+00	LT	33	-Y9-	11+50 – 13+00	RT
17,18	-L-	222+70 – 228+00	RT	33	-Y9-	11+50 – 14+90	LT
18	-Y24RPC-	0+90 – 10+00	RT	34	-Y8-	14+85 – 15+30	RT
18	-Y24RPC-	10+00 – 13+75	RT	34	-Y8-	15+50 – 24+47	LT
19	-Y24RPC-	18+50 – 21+00	RT	34	-Y8-	17+50 – 24+47	RT
19	-Y24-	22+50 – 25+35	RT	34	-Y9-	26+50 – 30+65	LT
				34	-Y9-	25+50 – 31+90	RT

DETAIL Q
TOE PROTECTION W/PRSM
(Not to Scale)



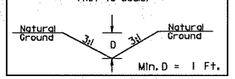
SHEET	RDWY	STATION – STATION	SIDE
6	-L-	73+90 – 78+00	MED
19	-L-	242+72 – 244+66	LT
19	-L-	243+15 – 244+75	RT

DETAIL M
PREFORMED SCOUR HOLE



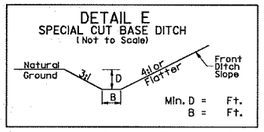
SHEET	ROADWAY	STATION	SIDE	SHEET	ROADWAY	STATION	SIDE
4	-Y1LPC-	5+00	RT	10	-L-	119+00	RT
4	-Y1LPC-	8+00	RT	11	-L-	143+00	LT
4	-Y1RPCA-	35+00	RT	19	-L-	246+00	LT
5	-Y1RPCA-	11+50	RT	19	-L-	246+00	RT
5	-Y1RPCA-	22+65	RT	19	-Y24LPB-	6+00	RT
8	-L-	107+00	RT	20	-Y1-	17+10	RT
				20	-L-	255+00	LT
				23	-L-	258+50	LT

DETAIL D
STANDARD 'V' DITCH
(Not to Scale)



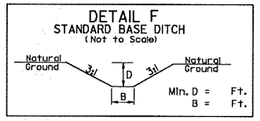
SHEET	ROADWAY	STATION	SIDE
5	-Y1-	85+00	LT
7	-SVRD5-	26+50	RT
9	-Y3-	20+50	LT
13	-SVRD3-	21+60	LT
14	-SVRD4-	18+50	LT
15	-SVRD4-	15+80	LT
16	-Y5-	13+00	RT
24	-Y1-	24+70	RT

DETAIL E
SPECIAL CUT BASE DITCH
(Not to Scale)



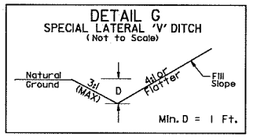
SHEET	ROADWAY	STATION TO STATION	SIDE	BASE	MIN. D
14	-SVRD4-	18+65 – 19+38	RT	2'	1'
25,26	-Y1RPCA-	55+75 – 67+25	LT	4'	1.4'
28	-Y1-	110+50 – 112+40	LT	2'	1'
28,29	-Y1-	112+40 – 118+00	LT	2'	1.8'

DETAIL F
STANDARD BASE DITCH
(Not to Scale)



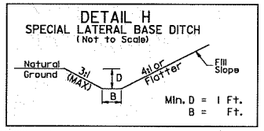
SHEET	ROADWAY	STATION	SIDE	BASE	MIN. D
5	-Y1RPCA-	20+70	RT	2'	1'
14	-SVRD3-	32+45	RT	2'	1'
17	-L-	222+70	RT	2'	1'
18	-L-	232+12	LT	4'	2'
18	-L-	233+50	LT	6'	2.5'
18	-Y24RPB-	8+00	LT	2'	2'
18	-Y24RPC-	9+60	LT	2'	2'
18	-Y24RPC-	5+12	RT	5'	1'
18	-Y24RPC-	10+00	RT	7'	1'
19	-Y24-	21+80	LT	2'	2'
19	-Y24-	36+75	RT	2'	1'
19	-Y24RPB-	15+85	LT	4'	1'
28	-Y1-	106+30 – 109+60	RT	2'	1'
33	-Y9-	11+50	RT	2'	1'
4,26	-Y1-	59+00	RT	3'	1'

DETAIL G
SPECIAL LATERAL 'V' DITCH
(Not to Scale)



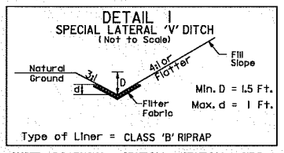
SHEET	ROADWAY	STATION – STATION	SIDE
18	-L-	234+50 – 235+50	RT
18	-Y24RPC-	2+80 – 8+00	RT
19	-Y24RPC-	14+20 – 16+50	LT
19	-Y24RPC-	16+00 – 18+50	RT MIN. D = 1.5'
23	-Y1-	20+30 – 22+00	RT

DETAIL H
SPECIAL LATERAL BASE DITCH
(Not to Scale)



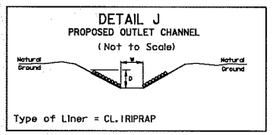
SHEET	ROADWAY	STATION – STATION	SIDE	BASE	MIN. D
19	-Y24RPC-	14+85 – 16+00	RT	2'	1'
19	-Y24-	20+40 – 24+00	LT	2'	2'
21	-Y6-	32+50 – 33+80	RT	4'	1.5'
34	-Y9-	30+65 – 32+50	LT	2'	1'

DETAIL I
SPECIAL LATERAL 'V' DITCH
(Not to Scale)



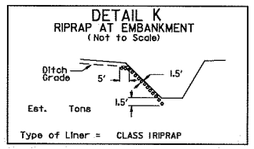
SHEET	ROADWAY	STATION – STATION	SIDE
21	-Y6-	33+14 – 33+75	LT

DETAIL J
PROPOSED OUTLET CHANNEL
(Not to Scale)



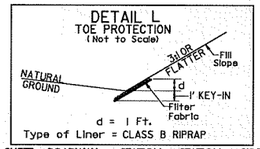
SHEET	ROADWAY	STATION	SIDE	W	D
4	-L-	69+50	RT	5'	4'
5	-Y1RPCA-	9+40	LT	5'	4'
7	-SVRD5-	21+90	LT	10'	4'
8	-L-	101+80	LT	8'	5'
24	-Y1-	31+50	RT	5'	5.5'

DETAIL K
RIPRAP AT EMBANKMENT
(Not to Scale)



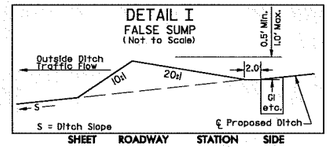
SHEET	ROADWAY	STATION	SIDE
18	-Y24RPB-	4+50	LT
19	-L-	241+50	RT
21	-Y6-	33+85	LT
21	-Y6-	33+93	RT

DETAIL L
TOE PROTECTION
(Not to Scale)



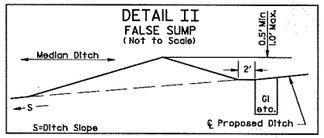
SHEET	ROADWAY	STATION – STATION	SIDE
4,26	-Y1RPCA-	43+00 – 55+50	LT
8	-L-	101+94 – 109+00	LT
10	-L-	119+80 – 125+00	LT
10	-L-	130+00 – 131+00	LT
11	-L-	131+00 – 133+25	LT
11	-L-	137+75 – 140+20	LT
12	-L-	151+00 – 153+65	RT
17	-L-	216+50 – 218+00	RT

DETAIL I
FALSE SUMP
(Not to Scale)



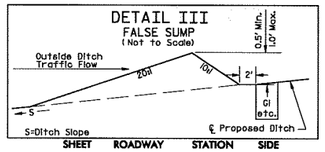
SHEET	ROADWAY	STATION	SIDE
11	-L-	144+00	LT
13	-L-	158+80	LT
13	-L-	161+80	LT
13	-L-	164+80	LT
13	-L-	168+30	LT
14	-L-	172+00	LT
17	-L-	222+90	RT

DETAIL II
FALSE SUMP
(Not to Scale)



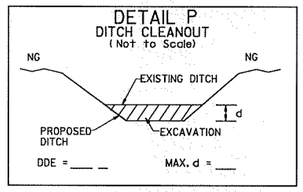
SHEET	ROADWAY	STATION	SIDE
7	-L-	94+00	MED
8	-L-	101+50	MED
8	-L-	107+00	MED
10	-L-	119+00	MED
10	-L-	123+00	MED
11	-L-	144+00	MED
13	-L-	158+80	MED
13	-L-	161+80	MED
13	-L-	164+80	MED
13	-L-	168+30	MED
14	-L-	172+00	MED
14	-L-	175+00	MED
16	-L-	202+80	MED
17	-L-	220+50	MED
18	-L-	227+03	MED
18	-L-	238+00	MED
20	-L-	258+50	MED
23	-Y1-	15+60	MED
27	-Y1-	90+80	MED
28	-Y1-	105+00	MED

DETAIL III
FALSE SUMP
(Not to Scale)



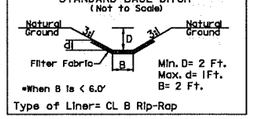
SHEET	ROADWAY	STATION	SIDE
13	-L-	164+80	RT
14	-L-	172+00	RT
18	-Y24RPC-	9+60	RT

DETAIL P
DITCH CLEANOUT
(Not to Scale)



SHEET	ROADWAY	STATION – STATION	SIDE	MAX. d	DDE (CY)
29	-Y1-	118+00 – 120+70	LT	1'	50
4	-Y1-	63+30 – 63+80	RT	2.7'	36
4	-Y1-	64+60 – 67+40	RT	2.7'	160
4, 5	-Y1-	70+60 – 73+40	RT	2.4'	140
15	-L-	194+40 – 196+10	RT	2'	100
18	-L-	227+30 – 227+90	LT	3'	120
18	-L-	227+90 – 231+10	LT	2.1'	90

DETAIL R
STANDARD BASE DITCH
(Not to Scale)



SHEET	ROADWAY	STATION	SIDE
18	-L-	226+75	RT

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Kevin Bennett, P.E.

8/17/99

MILLED RUMBLE STRIPS SHALL BE PLACED ON -L- ACCORDING TO NCDOT STANDARD DRAWING No.665.01

NOTE: FOR -L- PROFILE, SEE SHEET 39
FOR -SVRDI- PROFILE, SEE SHEET 62
SEE SHEET 2-L FOR DRAINAGE DITCH DETAILS

GRAPHIC SCALE
50 25 0 50 100
PLANS

Prepared by
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PROJECT REFERENCE NO.	SHEET NO.
R-2719A	9
R/W SHEET NO.	9
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

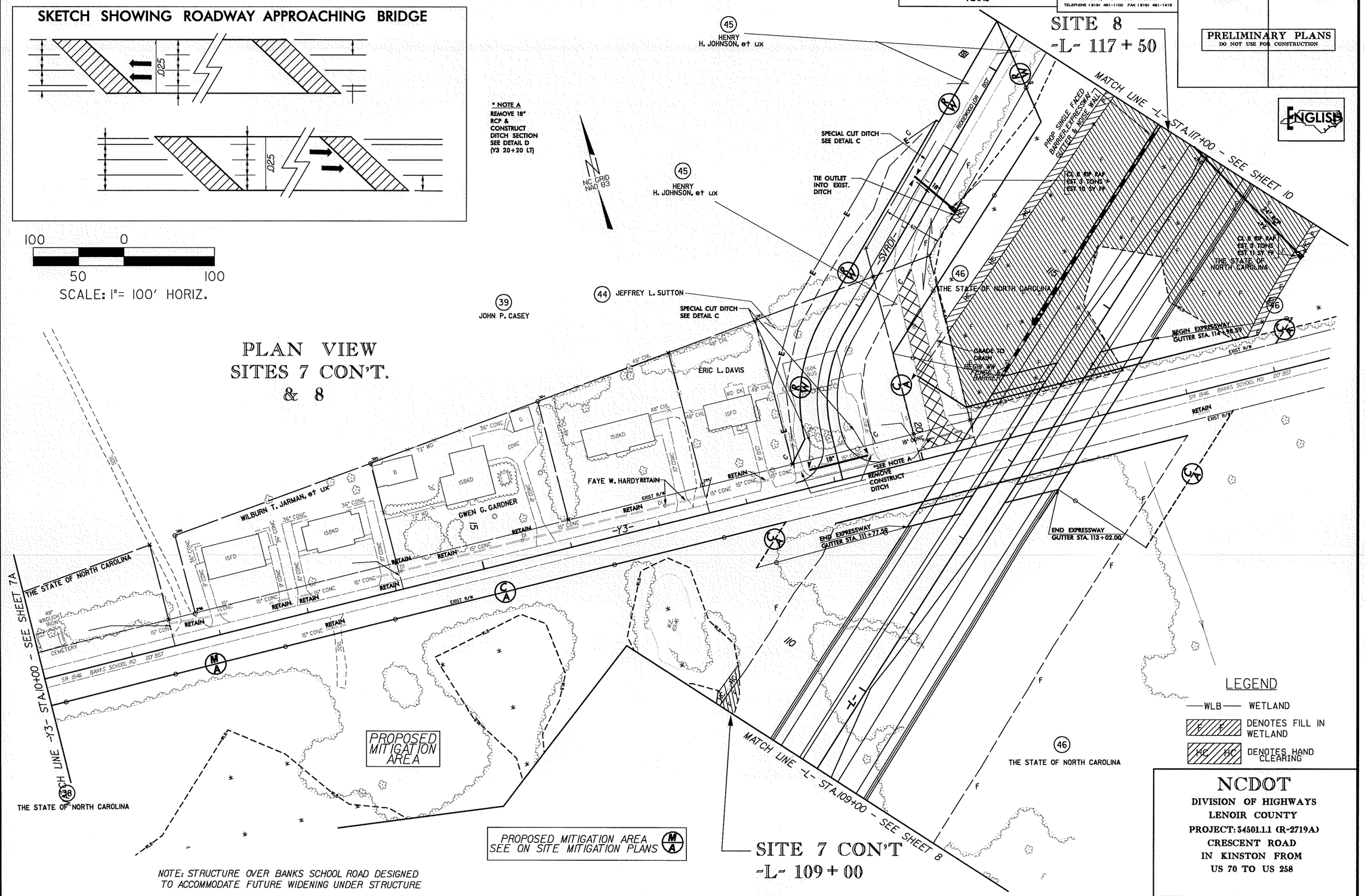
PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

ENGLISH

SKETCH SHOWING ROADWAY APPROACHING BRIDGE

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

PLAN VIEW
SITES 7 CON'T. & 8



NOTE: STRUCTURE OVER BANKS SCHOOL ROAD DESIGNED TO ACCOMMODATE FUTURE WIDENING UNDER STRUCTURE

REVISIONS
3/3/06 - REVISED PARCEL NUMBER IN LOWER RIGHT CORNER OF SHEET FROM 46 TO 38
3/22/06 - REVISED RIGHT OF WAY ON PARCEL 45 PER RIGHT OF WAY REQUEST TO ELIMINATE REMNANT
- ADDED MATCHLINE TO SHEET 7A AND ADDED MITIGATION AREA BOUNDARY

8/27/2008
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R:\Resources\Permits

NCDOT
DIVISION OF HIGHWAYS
LENOIR COUNTY
PROJECT: 34501.1.1 (R-2719A)
CRESCENT ROAD
IN KINSTON FROM
US 70 TO US 258

SHEET OF

MILLED RUMBLE STRIPS SHALL BE PLACED ON -L- ACCORDING TO NCDOT STANDARD DRAWING No.665.01

NOTE: FOR -L- PROFILE, SEE SHEET 39
FOR -SVRDI- PROFILE, SEE SHEET 62
SEE SHEET 2-L FOR DRAINAGE DITCH DETAILS

GRAPHIC SCALE
50 25 0 50 100
PLANS

Prepared by
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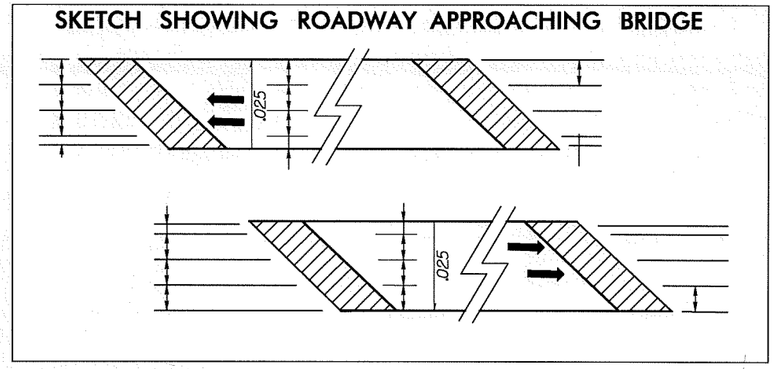
PROJECT REFERENCE NO.	SHEET NO.
R-2719A	9
R/W SHEET NO.	9
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

ENGLISH

SKETCH SHOWING ROADWAY APPROACHING BRIDGE



PLAN VIEW SITES 7 CON'T. & 8

SITE 8
-L- 117 + 50

MATCH LINE -L- STA.117+00 - SEE SHEET 10

* NOTE A
REMOVE 18" RCP & CONSTRUCT DITCH SECTION SEE DETAIL D (Y3 20+20 LT)

NC GRID NAD 83

SPECIAL CUT DITCH SEE DETAIL C

TIE OUTLET INTO EXIST. DITCH

PROP. SINGLE FACED BARRIER, EXPRESSWAY GUTTER & NOISE WALL

CL B RIP RAP EST. 9 TONS EST. 10 SY FT

CL B RIP RAP EST. 9 TONS EST. 11 SY FT

GRADE TO DRAIN

BEGIN WW CURB & GUTTER

BEGIN EXPRESSWAY GUTTER STA. 114+98.59

*SEE NOTE A

REMOVE CONSTRUCT DITCH

END EXPRESSWAY GUTTER STA. 113+02.00

END EXPRESSWAY GUTTER STA. 111+77.58

-SVRDI-

-Y3-

-L-

RIDGEWOOD DR 60' BST

SR 1546 BANKS SCHOOL RD 20' BST

EXIST R/W

RETAIN

THE STATE OF NORTH CAROLINA

(45) HENRY H. JOHNSON, et ux

(44) JEFFREY L. SUTTON

(39) JOHN P. CASEY

(46) THE STATE OF NORTH CAROLINA

ERIC L. DAVIS

FAYE W. HARDY

GWEN G. GARDNER

WILBURN T. JARMAN, et ux

(48) THE STATE OF NORTH CAROLINA

MATCH LINE -Y3- STA.10+00 - SEE SHEET 7A

PROPOSED MITIGATION AREA

PROPOSED MITIGATION AREA SEE ON SITE MITIGATION PLANS (M A)

MATCH LINE -L- STA.109+00 - SEE SHEET 8

SITE 7 CON'T
-L- 109 + 00

NOTE: STRUCTURE OVER BANKS SCHOOL ROAD DESIGNED TO ACCOMMODATE FUTURE WIDENING UNDER STRUCTURE

LEGEND

—WLB—	WETLAND
F F	DENOTES FILL IN WETLAND
HC HC	DENOTES HAND CLEARING

NCDOT
DIVISION OF HIGHWAYS
LENOIR COUNTY
PROJECT: 34501.1.1 (R-2719A)
CRESCENT ROAD
IN KINSTON FROM
US 70 TO US 258

SHEET OF

REVISIONS
3206 - REVISED PARCEL NUMBER IN LOWER RIGHT CORNER OF SHEET FROM 46 TO 38
32206 - REVISED RIGHT OF WAY ON PARCEL 45 PER RIGHT OF WAY REQUEST TO ELIMINATE REMNANT
- ADDED MATCHLINE TO SHEET 7A AND ADDED MITIGATION AREA BOUNDARY

8/17/99

6/27/2008
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Ko & Associates, P.C.

NOTE: FOR -L- PROFILE, SEE SHEET 40
SEE SHEET 2-L FOR DRAINAGE DITCH DETAILS
MILLED RUMBLE STRIPS SHALL BE PLACED ON -L-
ACCORDING TO NCDOT STANDARD DRAWING No.665.01

GRAPHIC SCALE
50 25 0 50 100
PLANS

Prepared by
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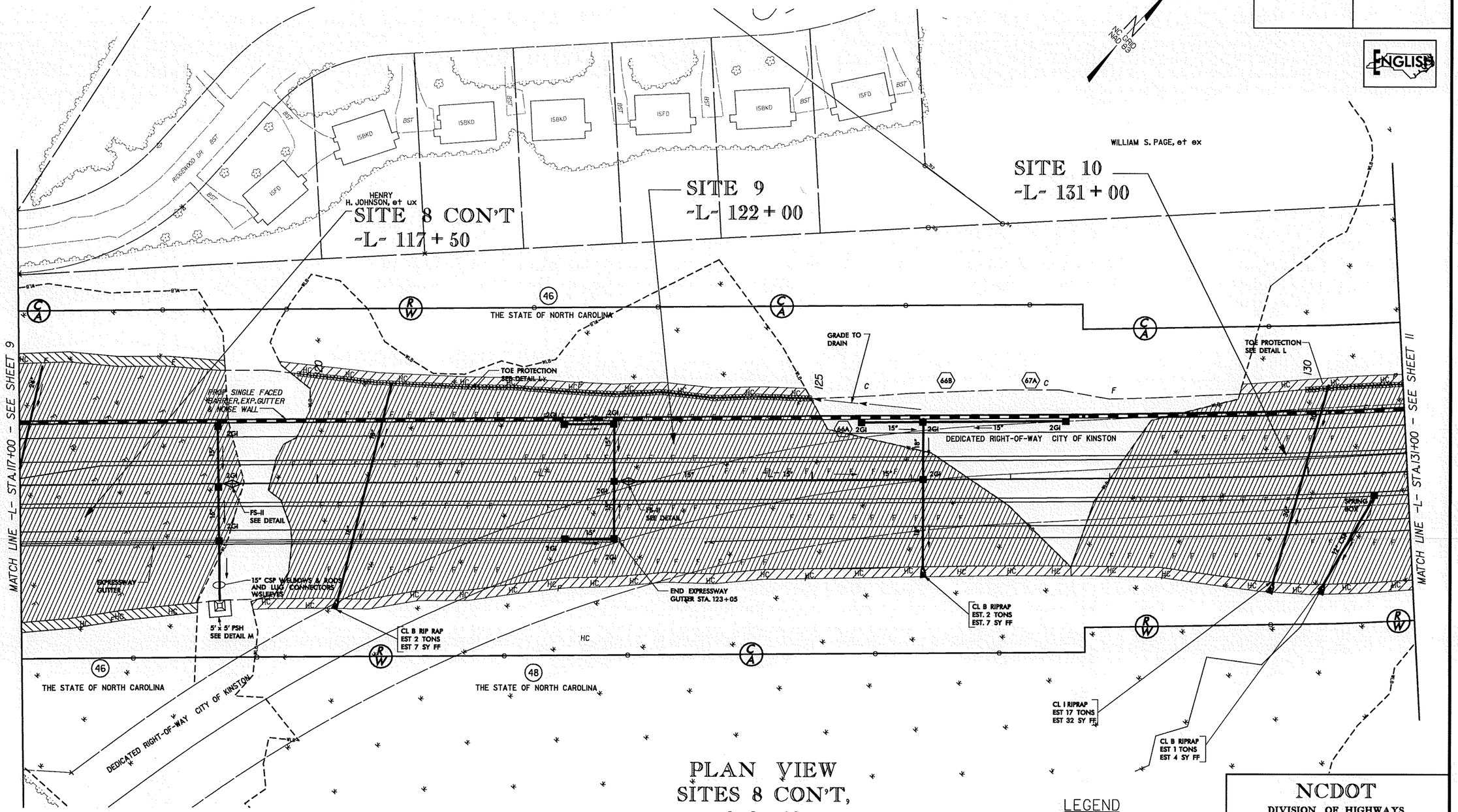
PROJECT REFERENCE NO.	SHEET NO.
R-2719A	10
R/W SHEET NO.	10
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

ENGLISH



PLAN VIEW
SITES 8 CON'T,
9 & 10

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

LEGEND

—WLB— WETLAND
F F DENOTES FILL IN WETLAND
HC HC DENOTES HAND CLEARING

NCDOT
DIVISION OF HIGHWAYS
LENOIR COUNTY
PROJECT: 34501.1.1 (R-2719A)
CRESCENT ROAD
IN KINSTON FROM
US 70 TO US 258

SHEET OF

8/17/99

8/31/2008
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NOTE: FOR -L- PROFILE, SEE SHEET 40
SEE SHEET 2-L FOR DRAINAGE DITCH DETAILS
MILLED RUMBLE STRIPS SHALL BE PLACED ON -L-
ACCORDING TO NCDOT STANDARD DRAWING No.665.01

GRAPHIC SCALE
50 25 0 50 100
PLANS

Prepared by
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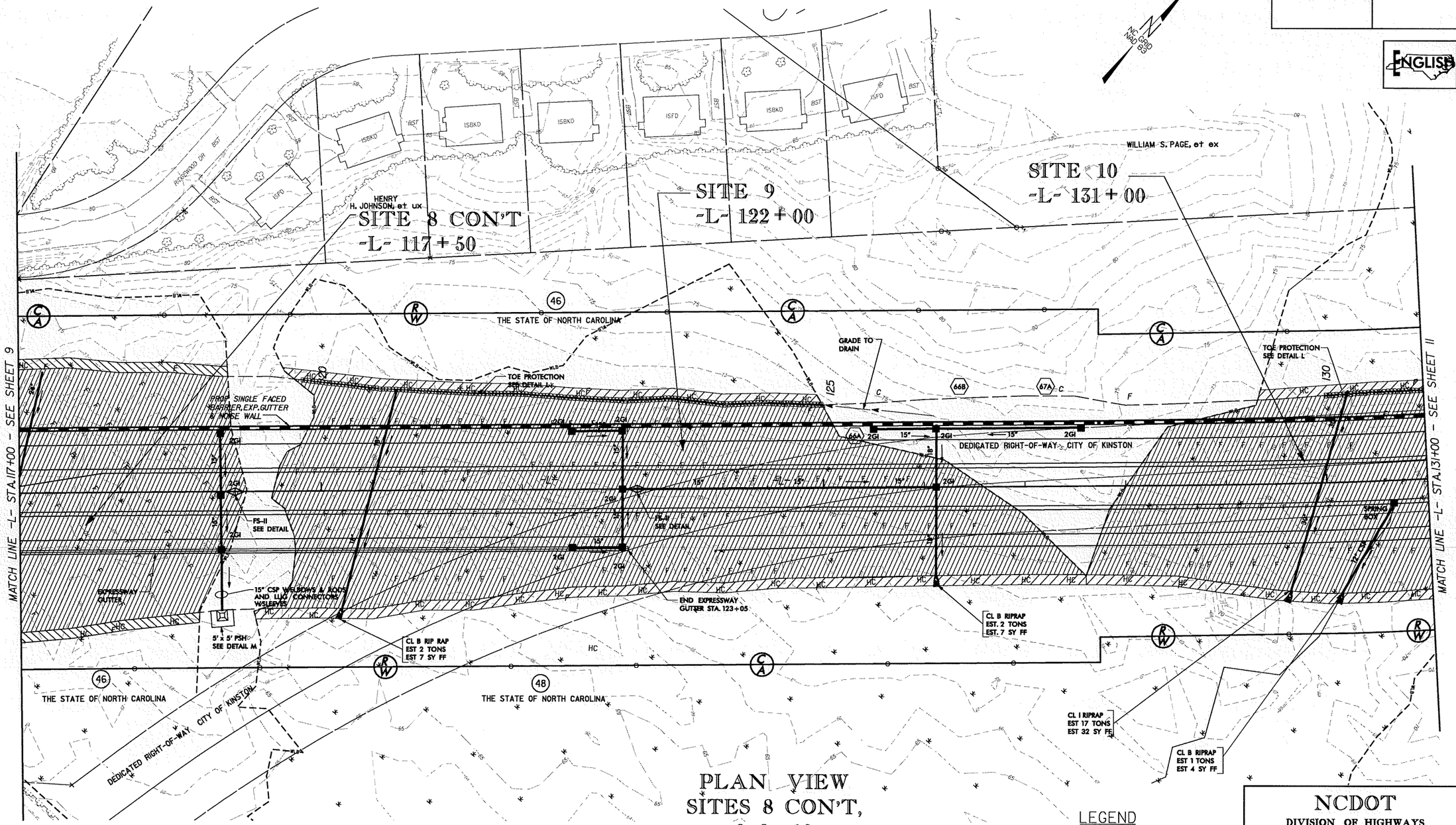
PROJECT REFERENCE NO.	SHEET NO.
R-2719A	10
R/W SHEET NO.	10
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

ENGLISH



PLAN VIEW
SITES 8 CON'T,
9 & 10

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

LEGEND

—WLB— WETLAND

F F DENOTES FILL IN WETLAND

HC HC DENOTES HAND CLEARING

NCDOT
DIVISION OF HIGHWAYS
LENOIR COUNTY
PROJECT: 34501.1.1 (R-2719A)
CRESCENT ROAD
IN KINSTON FROM
US 70 TO US 258

SHEET OF

8/17/99

8/27/2008
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8/17/99

NOTE: FOR -L- PROFILE, SEE SHEET 43
SEE SHEET 2-L FOR DRAINAGE DITCH DETAILS
MILLED RUMBLE STRIPS SHALL BE PLACED ON -L-
ACCORDING TO NCDOT STANDARD DRAWING No.665.01

GRAPHIC SCALE
50 25 0 50 100
PLANS

Prepared by
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Morrisville, North Carolina 27560
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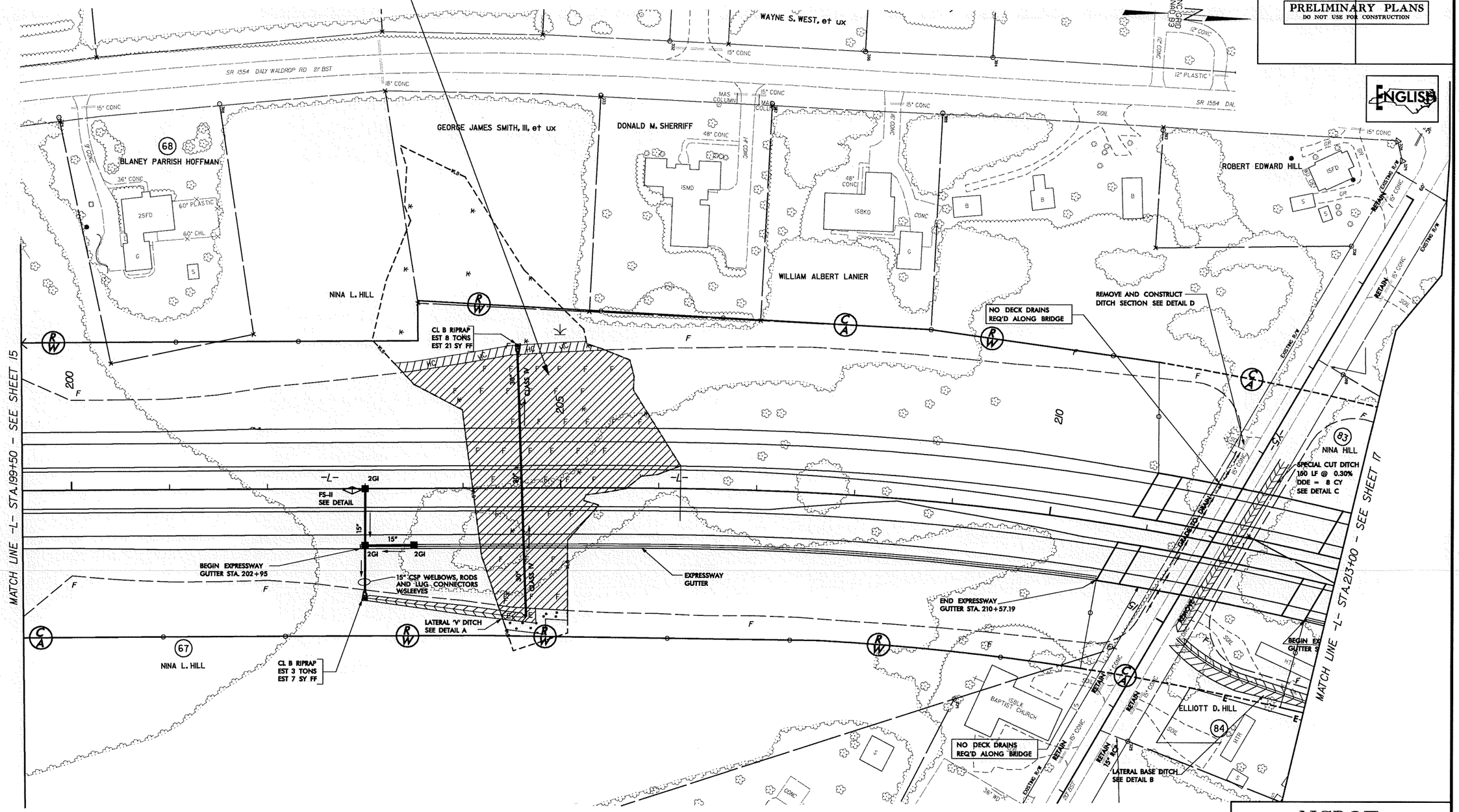
PROJECT REFERENCE NO.	SHEET NO.
R-2719A	16
R/W SHEET NO.	16
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

ENGLISH



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

PLAN VIEW
SITE 14

LEGEND

E E	DENOTES EXCAVATION IN WETLAND
HC HC	DENOTES HAND CLEARING
—WLB—	WETLAND
F F	DENOTES FILL IN WETLAND
	DENOTES MECHANIZED CLEARING

NCDOT
DIVISION OF HIGHWAYS
LENOIR COUNTY
PROJECT: 34501.1.1 (R-2719A)
CRESCENT ROAD
IN KINSTON FROM
US 70 TO US 258

SHEET OF

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KG & Associates, P.C.

8/17/99

NOTE: FOR -L- PROFILE, SEE SHEET 43
SEE SHEET 2-L FOR DRAINAGE DITCH DETAILS
MILLED RUMBLE STRIPS SHALL BE PLACED ON -L-
ACCORDING TO NCDOT STANDARD DRAWING No.665.01

GRAPHIC SCALE
50 25 0 50 100
PLANS

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Morrisville, North Carolina 27560
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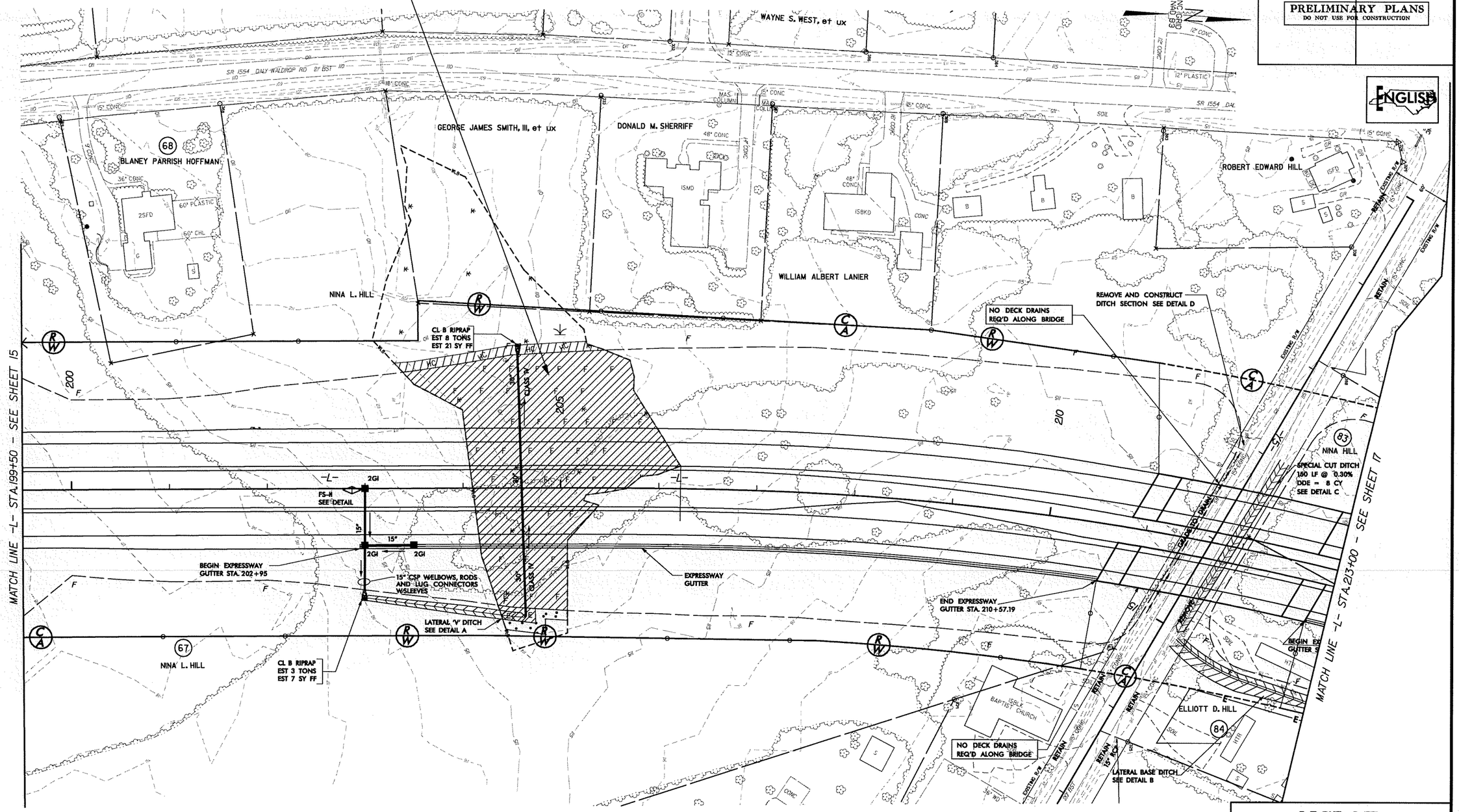
PROJECT REFERENCE NO.	SHEET NO.
R-2719A	16
R/W SHEET NO.	16
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

ENGLISH

SITE 14
-L- 205+00



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

PLAN VIEW
SITE 14

LEGEND

E E	DENOTES EXCAVATION IN WETLAND
HC HC	DENOTES HAND CLEARING
—WLB—	WETLAND
F F	DENOTES FILL IN WETLAND
	DENOTES MECHANIZED CLEARING

NCDOT
DIVISION OF HIGHWAYS
LENOIR COUNTY
PROJECT: 34501.1.1 (R-2719A)
CRESCENT ROAD
IN KINSTON FROM
US 70 TO US 258

SHEET OF

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KD & Associates P.C.

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Morrisville, North Carolina 27560
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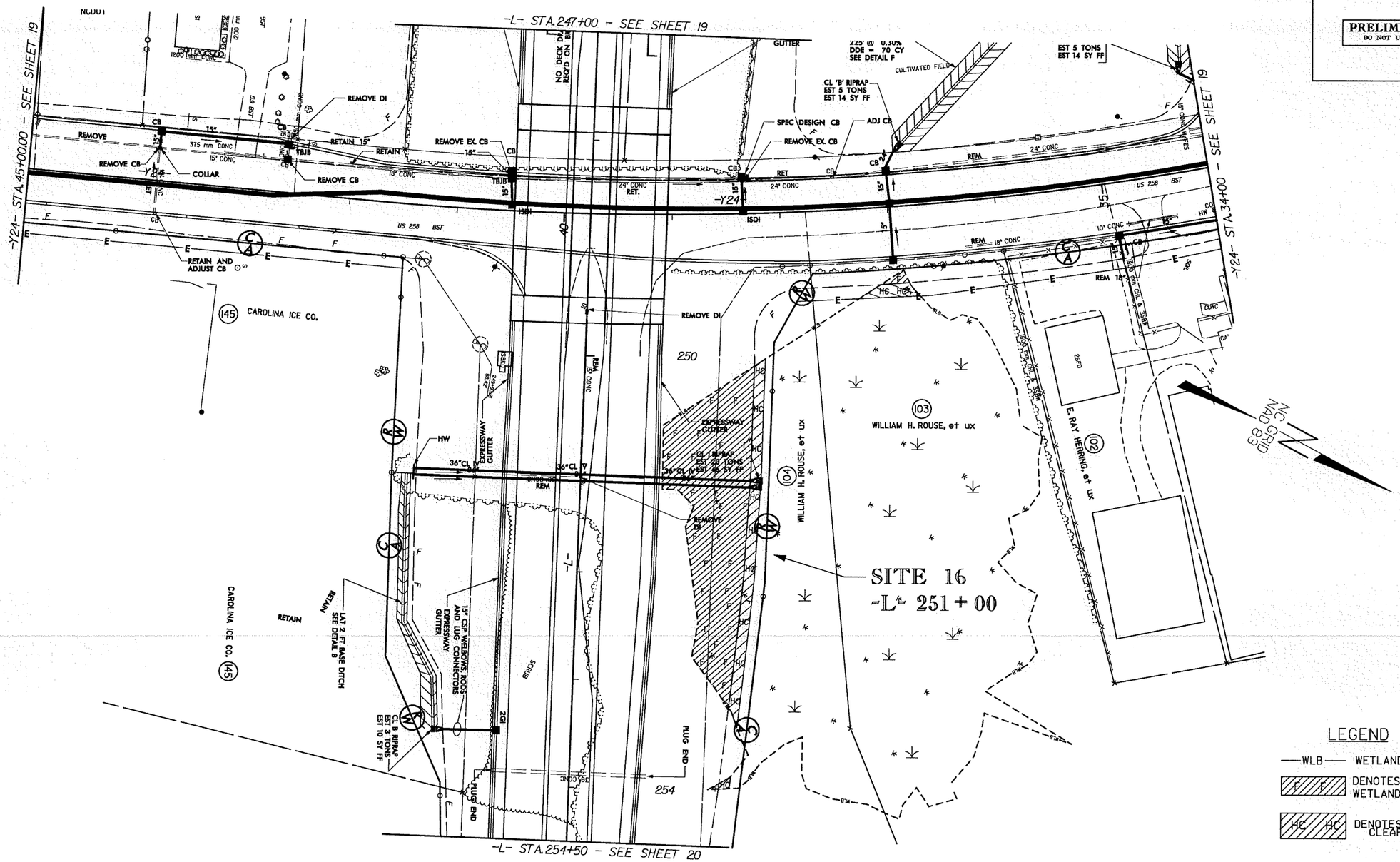
PROJECT REFERENCE NO.	SHEET NO.
R-2719A	19A
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

ENGLISH



LEGEND

—WLB— WETLAND

F F DENOTES FILL IN WETLAND

HC HC DENOTES HAND CLEARING

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

PLAN VIEW
SITE 16

NCDOT
DIVISION OF HIGHWAYS
LENOIR COUNTY
PROJECT: 34501.1.1 (R-2719A)
CRESCENT ROAD
IN KINSTON FROM
US 70 TO US 258

SHEET OF

6/27/2008
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Only Escarpment

8/17/99

Prepared by
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Morrisville, North Carolina 27560
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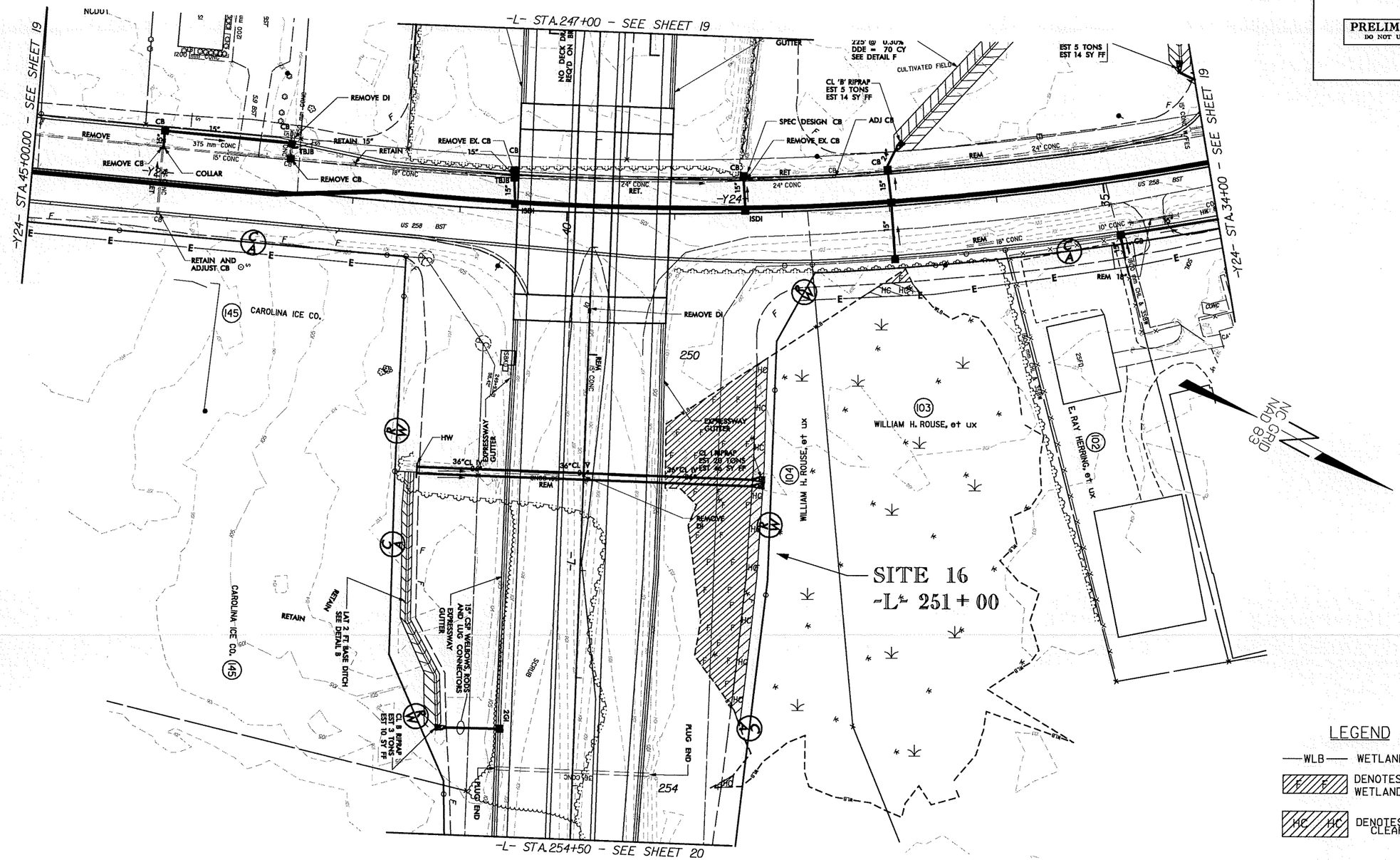
PROJECT REFERENCE NO.	SHEET NO.
R-2719A	19A
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

ENGLISH



LEGEND

—WLB— WETLAND

F F DENOTES FILL IN WETLAND

HC HC DENOTES HAND CLEARING

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

PLAN VIEW
SITE 16

NCDOT
DIVISION OF HIGHWAYS
LENOIR COUNTY
PROJECT: 34501.1.1 (R-2719A)
CRESCENT ROAD
IN KINSTON FROM
US 70 TO US 258

SHEET OF

6/27/2008
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