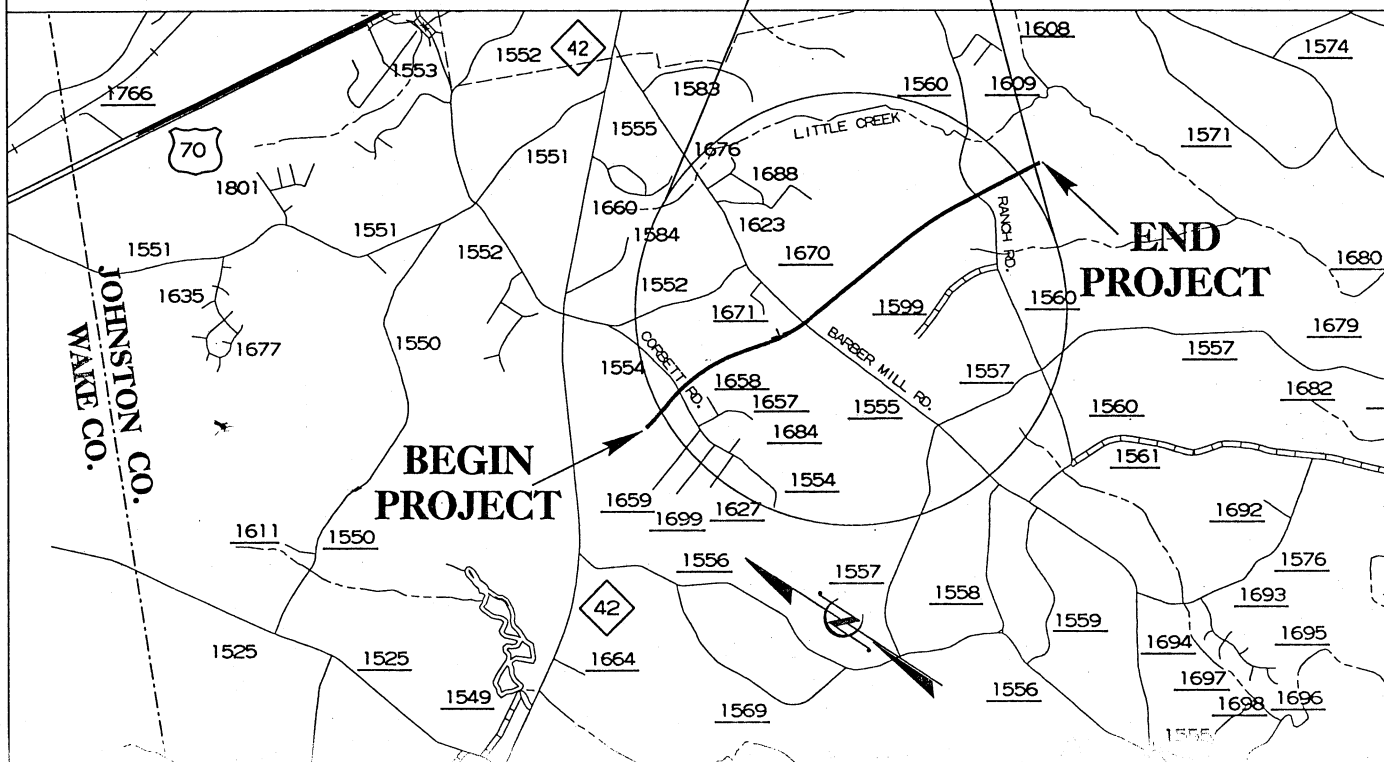
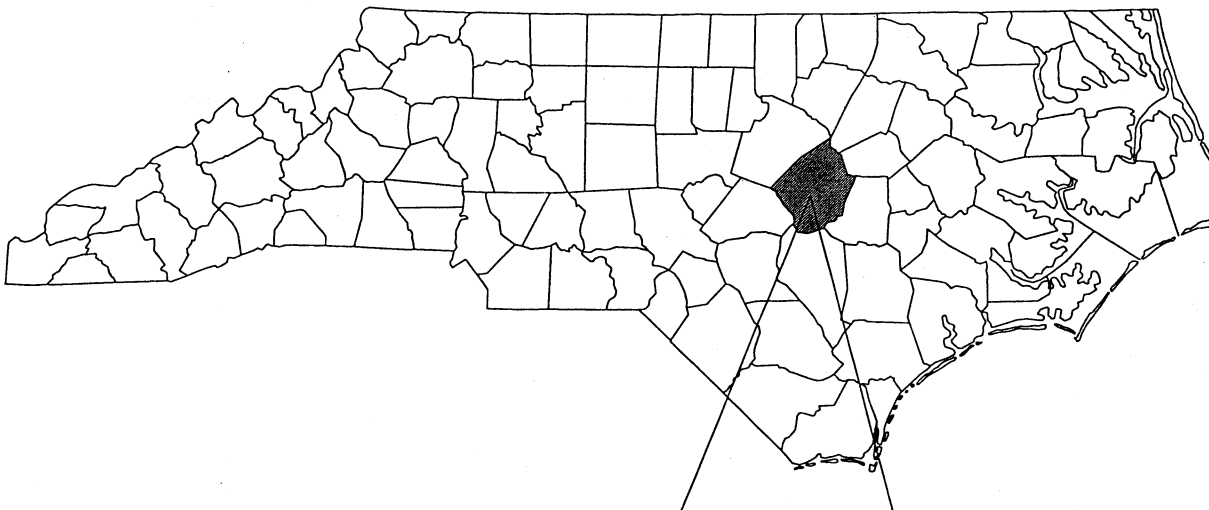


NORTH CAROLINA



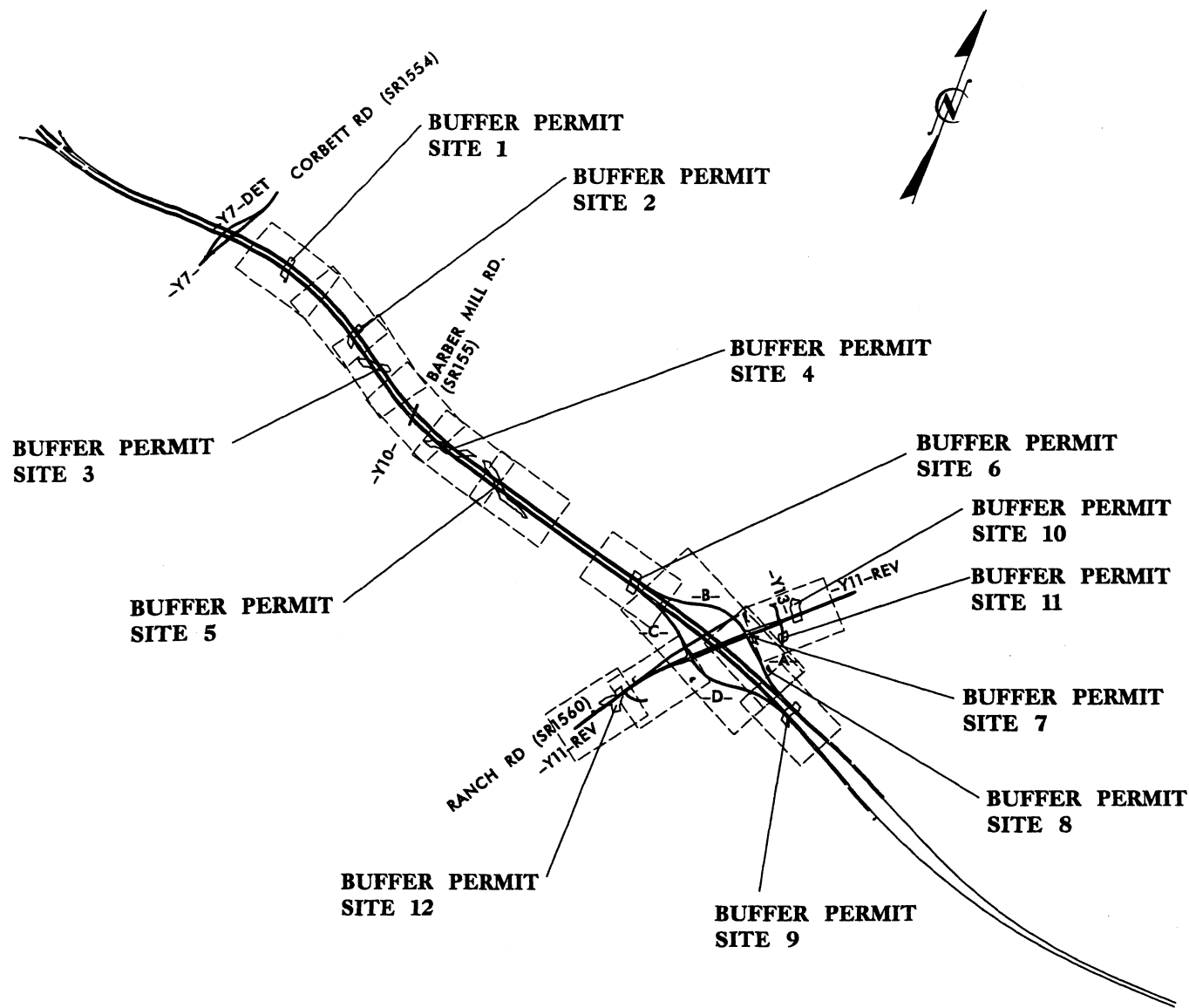
BUFFER PERMIT DRAWING VICINITY MAP R-2552B

**NCDOT
DIVISION OF HIGHWAYS
JOHNSTON COUNTY**

**PROJECT: 8.T311002 (R-2552B)
US 70 CLAYTON BYPASS FROM
EAST OF NC 42 TO EAST OF
SR 1560 (RANCH ROAD)**

SHEET OF 9/23/2004

SITE MAP



R:\01056065\Plan\permits\buffer\buffSITE.MAP.dgn
9/23/2004

BUFFER PERMIT DRAWING VICINITY MAP

**DIVISION OF HIGHWAYS
JOHNSTON COUNTY**

**PROJECT: 8.T311002 (R-2552B)
US 70 CLAYTON BYPASS FROM
EAST OF NC 42 TO EAST OF
SR 1560 (RANCH ROAD)**

SHEET 2 OF 11 9/23/2004



**BUFFER PERMIT DRAWING
LOCATION
R-2552B**

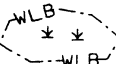


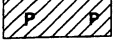

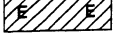
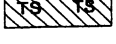
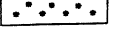
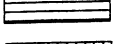
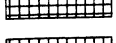
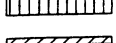
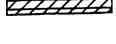


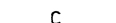



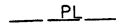

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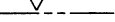
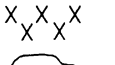
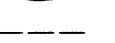
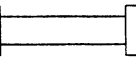
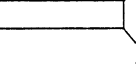
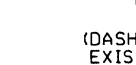

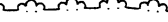




**NCDOT
DIVISION OF HIGHWAYS
JOHNSTON COUNTY**

**PROJECT: 8.T311002 (R-2552B)
US 70 CLAYTON BYPASS FROM
EAST OF NC 42 TO EAST OF
SR 1560 (RANCH ROAD)**

SHEET 3 OF 11 8/404

LEGEND

- WLB--- WETLAND BOUNDARY
-  WETLAND
-  DENOTES FILL IN WETLAND
-  DENOTES FILL IN SURFACE WATER
-  DENOTES FILL IN SURFACE WATER (POND)
-  DENOTES TEMPORARY WETLAND IMPACTS (HAND CLEARING ONLY)
-  DENOTES EXCAVATION IN WETLAND
-  DENOTES TEMPORARY SURFACE WATER IMPACTS
-  DENOTES MECHANIZED CLEARING
-  DENOTES MITIGABLE BUFFER IMPACTS ZONE 1
-  DENOTES MITIGABLE BUFFER IMPACTS ZONE 2
-  DENOTES ALLOWABLE BUFFER IMPACTS ZONE 1
-  DENOTES ALLOWABLE BUFFER IMPACTS ZONE 2
-  FLOW DIRECTION
-  TOP OF BANK
-  EDGE OF WATER
-  PROP. LIMIT OF CUT
-  PROP. LIMIT OF FILL
-  PROP. RIGHT OF WAY
-  NATURAL GROUND
-  PROPERTY LINE

- TDE— TEMP. DRAINAGE EASEMENT
- PDE— PERMANENT DRAINAGE EASEMENT
- EAB— EXIST. ENDANGERED ANIMAL BOUNDARY
- EPB— EXIST. ENDANGERED PLANT BOUNDARY
-  WATER SURFACE
-  LIVE STAKES
-  BOULDER
- CORE FIBER ROLLS
-  PROPOSED BRIDGE
-  PROPOSED BOX CULVERT
-  PROPOSED PIPE CULVERT
- (DASHED LINES DENOTE EXISTING STRUCTURES)
-  SINGLE TREE
-  WOODS LINE
-  DRAINAGE INLET
-  ROOTWAD
-  RIP RAP
-  ADJACENT PROPERTY OWNER OR PARCEL NUMBER IF AVAILABLE

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9/16/2004

BUFFER PERMIT DRAWING VICINITY MAP

**DIVISION OF HIGHWAYS
JOHNSTON COUNTY**

**PROJECT: 8.T311002 (R-2552B)
US 70 CLAYTON BYPASS FROM
EAST OF NC 42 TO EAST OF
SR 1560 (RANCH ROAD)**

SHEET 4 OF 11 9/16/2004

OWNER'S NAME	ADDRESS
(14) Romero, Rubel	2012 Scott Court Clayton, NC 27520
(15) Stephenson, Clennis	5524 Rolling Field Dr. Garner, NC 27529
(16) Harris, Joseph L.	514 N. East St. Raleigh, NC 27604
(17) Gilbert, Jennifer P.	273-C Blue Pond Rd. Clayton, NC 27520
(18) Parrish, Samuel Clarence	377 Short Johnson Rd. Clayton, NC 27520
(19) Lane, Angela Yopp	606 S. 5th St. Mebana, NC 27302
(20) Poole, Reginald M., Sr.	3907 Barber Mill Rd. Clayton, NC 27520
(26) Delaine, Blanche Jean	3960 Barber Mill Rd. Clayton, NC 27520
(29) Johnson, Roland H.	2433 Tweedmore Ct. High Point, NC 27625
(30) Bolyard, Gypsy Rochelle	3047 Jack Rd. Clayton, NC 27520
(31) Edwards, Honey H.	216 E. Harne St. Clayton, NC 27520
(32) Canady, Kenneth R.	203 Blanche St. Clayton, NC 27520
(34) Langford, Taylor Morton, Jr.	2100 Twin Acres Rd. Clayton, NC 27520
(35) Haden, James Sullivan	1120 Ranch Rd. Clayton, NC 27520
(36) Whitley, Joseph M.	740 Ranch Rd. Clayton, NC 27520
(39) Carolina Packers, Inc.	P.O. Drawer 1109 Smithfield, N.C. 27577
(40) Ontiveros, Lynda Triplett	411 Pleasant Hill Ave. North Sebestopol, CA 95472
(58) Shand, Annie	PO Box 32 Clayton, NC 27520
(59) Whittemore, Joseph Franklin, Jr.	140 Canyon Rd. Clayton, NC 27520
(64) Jones, John A., Jr.	1357 Ranch Rd. Clayton, NC 27520
(68) Langford, Phillip E.	2130 Twin Acres Rd. Clayton, NC 27520
(69) Rethemeyer, J.W.	1521 Ranch Rd. Clayton, NC 27520
(902) Carolina Packers, Inc.	P.O. Drawer 1109 Smithfield, N.C. 27577

**PROPERTY OWNER
NAME AND ADDRESS**

**DIVISION OF HIGHWAYS
JOHNSTON COUNTY**

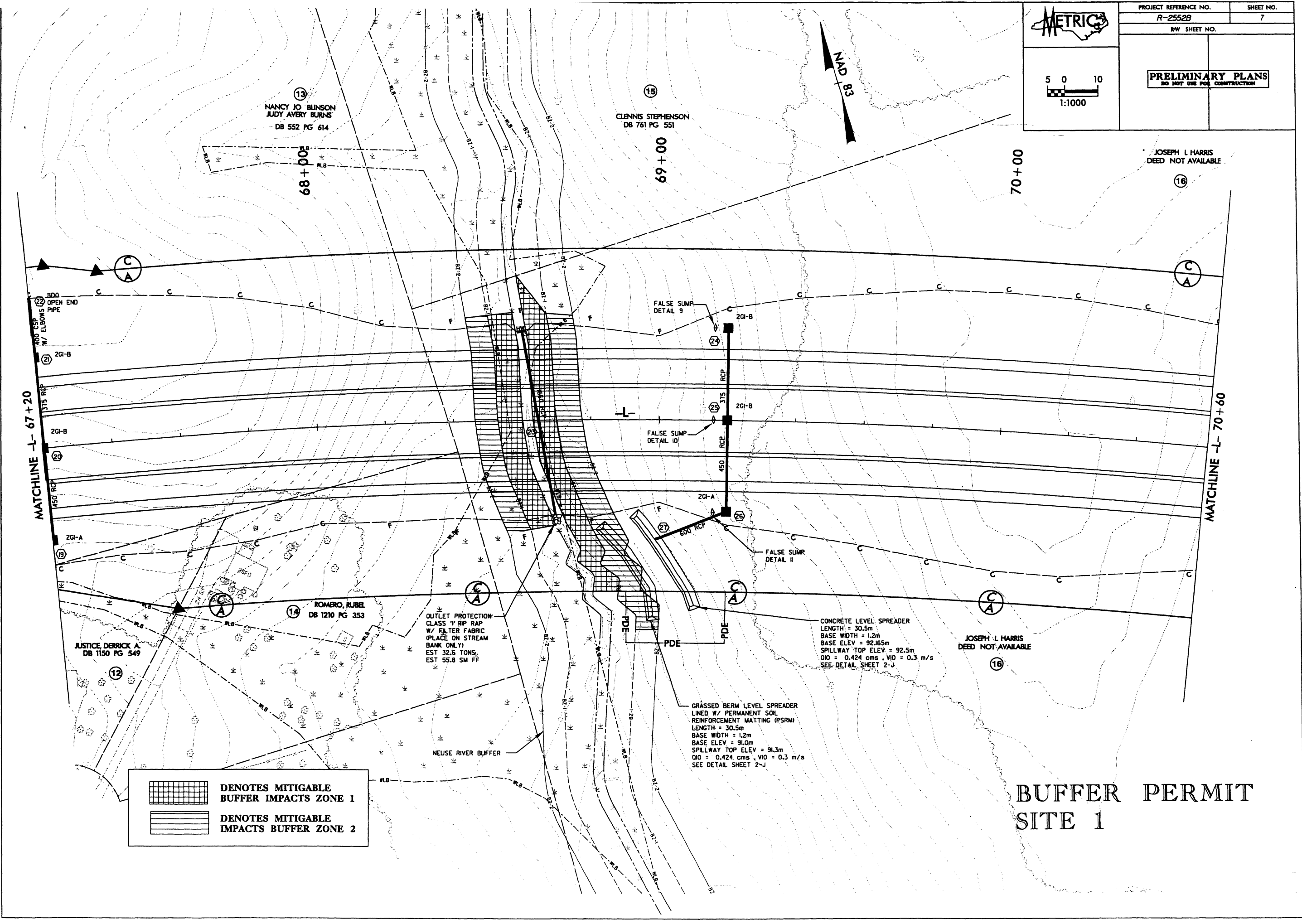
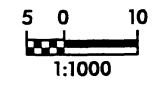
**PROJECT: 8.T311002 (R-2552B)
US 70 CLAYTON BYPASS FROM
EAST OF NC 42 TO EAST OF
SR 1560 (RANCH ROAD)**

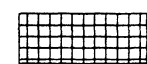
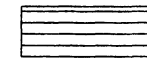
SHEET 7 OF 11 9/17/2004

BUFFER IMPACTS SUMMARY

SITE NO.	STRUCTURE SIZE / TYPE	STATION (FROM/TO)	IMPACT				MITIGABLE				BUFFER REPLACEMENT			
			TYPE		ALLOWABLE		ZONE 1 (ft ²)	ZONE 2 (ft ²)	TOTAL (ft ²)	ZONE 1 (ft ²)	ZONE 2 (ft ²)	TOTAL (ft ²)	ZONE 1 (ft ²)	ZONE 2 (ft ²)
			ROAD CROSSING	PARALLEL IMPACT	ZONE 1 (ft ²)	ZONE 2 (ft ²)	TOTAL (ft ²)	ZONE 1 (ft ²)	ZONE 2 (ft ²)	TOTAL (ft ²)	ZONE 1 (ft ²)	ZONE 2 (ft ²)	TOTAL (ft ²)	
1	66 in RCP	L- Sta 68+60+/-	X						11249.7	12195.9	23445.6			
2	54 in RCP	L- Sta 73+30+/-	X						14866.2	11954.1	26820.3			
3	60 in RCP	L- Sta 74+50-75+80	X						24801.0	19088.2	43889.2			
4	42 in RCP	L- Sta 79+60-82+00	X						36510.9	30222.6	66733.5			
5	10' x 7' RCBC	L- Sta 82+30-86+00	X						37785.0	37688.1	75473.1	9671.3	7493.9	
6	10' x 7' RCBC	L- Sta 92+20+/-	X						25888.5	12147.8	38036.3			
7	48 in RCP	-RPA- Sta 4+00	X			4845.3	5625.8	10471.1						
8	24 in RCP	-RPA- Sta 2+40	X			1146.5	2137.9	3284.4						
9	48 in RCP	L- Sta 102+30+/-	X						20306.2	18380.4	38686.6			
10	Bridge	-Y11- REV Sta 14+80	X						14885.8	11322.6	26208.4	5565.5	4911.0	
11	48 in RCP	-Y13- REV Sta 9+20	X						11070.7	5718.3	16789.0			
12	10' x 7' RCBC & 8' x 8' RCBC	-Y11- REV Sta 24+10 - 25+60	X						36490.6	12864.5	49355.1	5770.0	3111.1	
TOTAL:						5991.8	7763.7	13755.5	233854.6	171582.5	405437.1	21006.8	15516.0	

N.C. DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 JOHNSTON COUNTY
 PROJECT: 8.T311002 (R-2552B)
 US-70 CLAYTON BYPASS
 EAST OF NC 42 TO EAST OF SR 1560
 10/14/04
 SHEET 5 OF 11



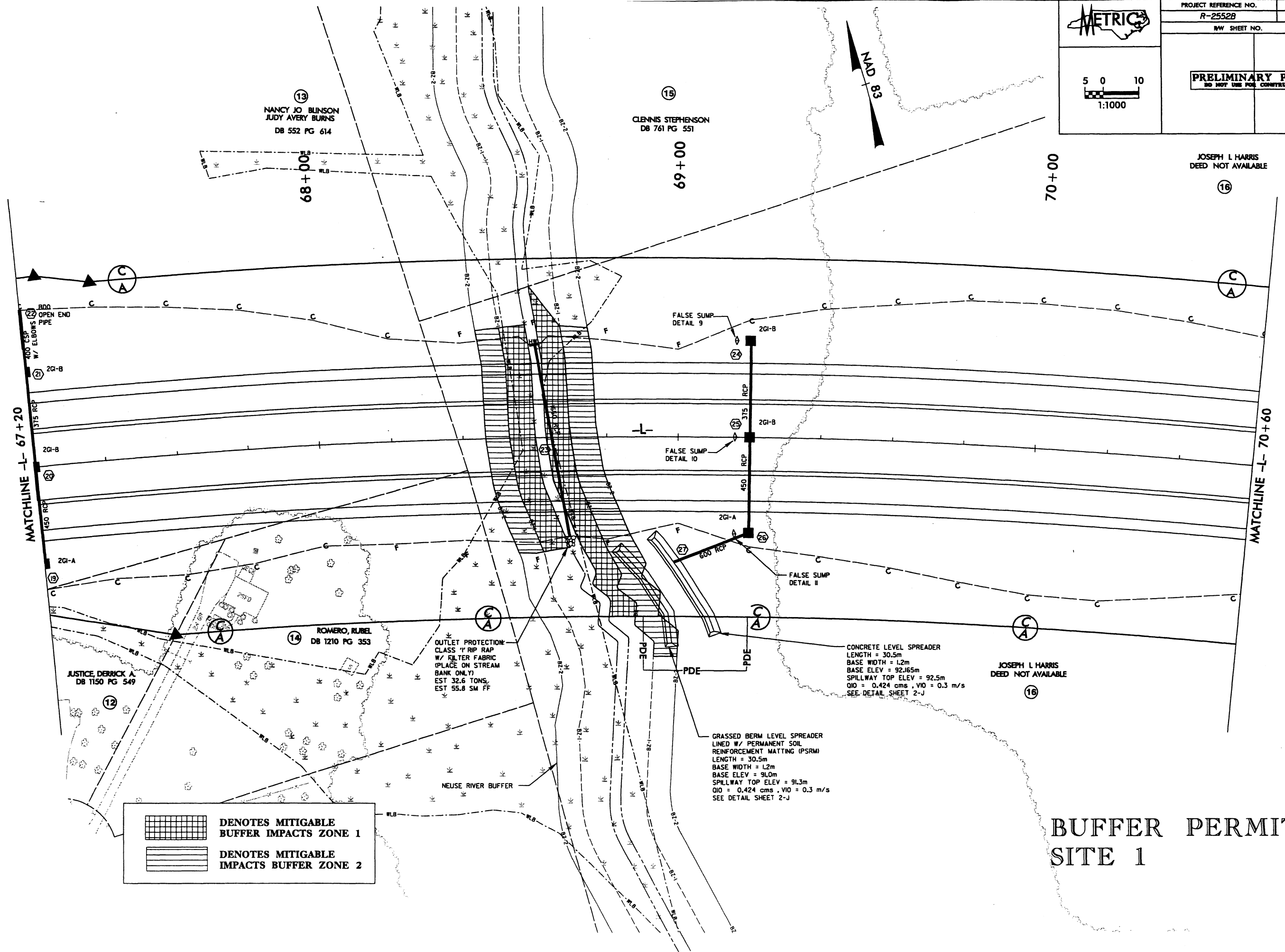
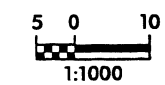
	DENOTES MITIGABLE BUFFER IMPACTS ZONE 1
	DENOTES MITIGABLE IMPACTS BUFFER ZONE 2

OUTLET PROTECTION
 CLASS 'Y' RIP RAP
 W/ FILTER FABRIC
 (PLACE ON STREAM
 BANK ONLY)
 EST 32.6 TONS,
 EST 55.8 SM FF

CONCRETE LEVEL SPREADER
 LENGTH = 30.5m
 BASE WIDTH = 1.2m
 BASE ELEV = 92.65m
 SPILLWAY TOP ELEV = 92.5m
 Q10 = 0.424 cms , V10 = 0.3 m/s
 SEE DETAIL SHEET 2-J

GRASSED BERM LEVEL SPREADER
 LINED W/ PERMANENT SOIL
 REINFORCEMENT MATTING (PSRM)
 LENGTH = 30.5m
 BASE WIDTH = 1.2m
 BASE ELEV = 91.0m
 SPILLWAY TOP ELEV = 91.3m
 Q10 = 0.424 cms , V10 = 0.3 m/s
 SEE DETAIL SHEET 2-J

BUFFER PERMIT SITE 1



	DENOTES MITIGABLE BUFFER IMPACTS ZONE 1
	DENOTES MITIGABLE IMPACTS BUFFER ZONE 2

CONCRETE LEVEL SPREADER
 LENGTH = 30.5m
 BASE WIDTH = 1.2m
 BASE ELEV = 92.165m
 SPILLWAY TOP ELEV = 92.5m
 Q10 = 0.424 cms, V10 = 0.3 m/s
 SEE DETAIL SHEET 2-J

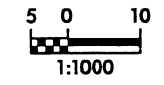
GRASSED BERM LEVEL SPREADER
 LINED W/ PERMANENT SOIL REINFORCEMENT MATTING (PSRM)
 LENGTH = 30.5m
 BASE WIDTH = 1.2m
 BASE ELEV = 91.0m
 SPILLWAY TOP ELEV = 91.3m
 Q10 = 0.424 cms, V10 = 0.3 m/s
 SEE DETAIL SHEET 2-J

OUTLET PROTECTION:
 CLASS 1 RIP RAP
 W/ FILTER FABRIC
 (PLACE ON STREAM BANK ONLY)
 EST 32.6 TONS,
 EST 55.8 SM FF

BUFFER PERMIT SITE 1

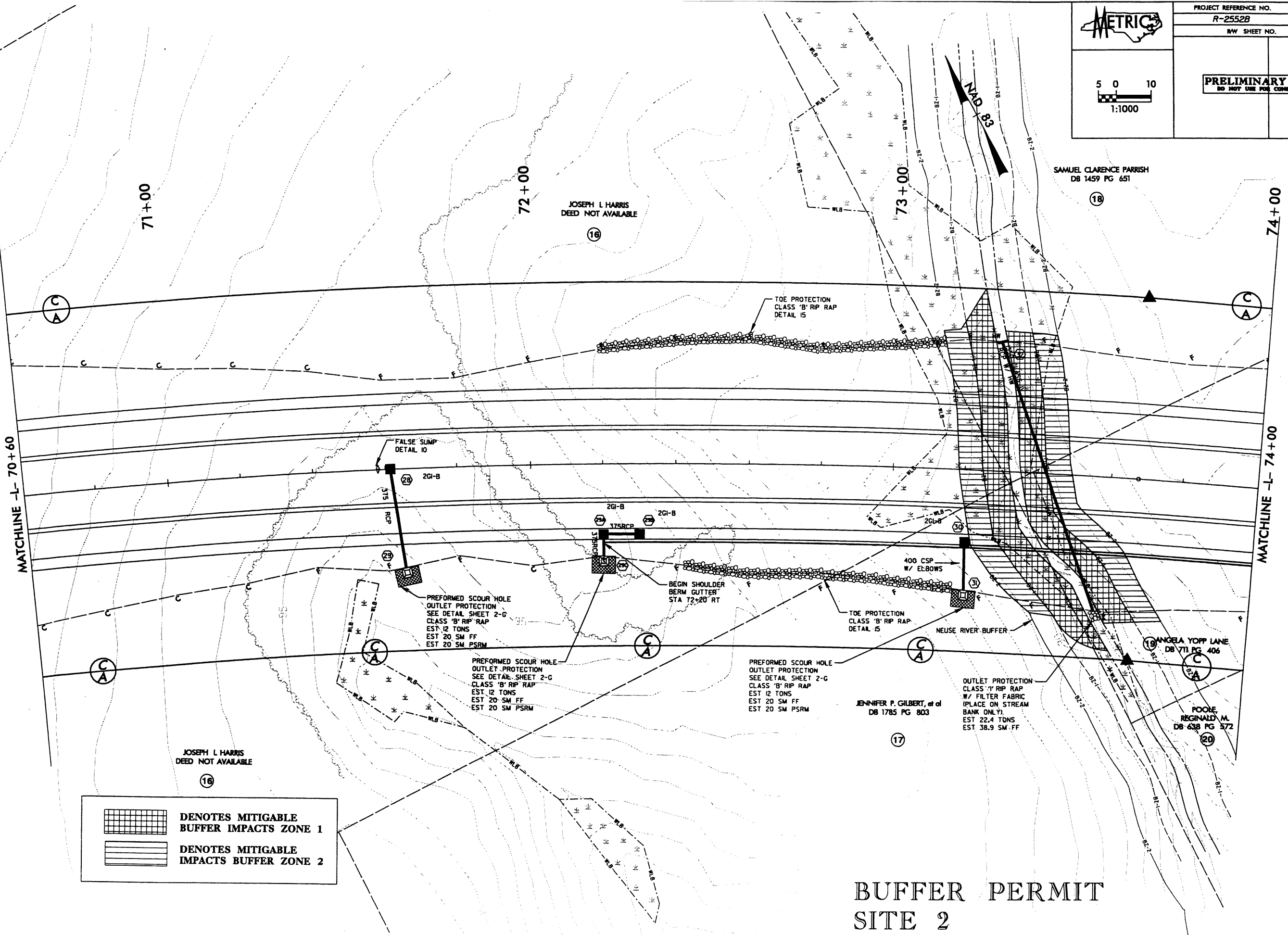


PROJECT REFERENCE NO. R-2552B	SHEET NO. 8
RWY SHEET NO.	



PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

SAMUEL CLARENCE PARRISH
DB 1459 PG 651

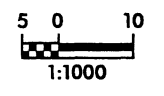


	DENOTES MITIGABLE BUFFER IMPACTS ZONE 1
	DENOTES MITIGABLE IMPACTS BUFFER ZONE 2

BUFFER PERMIT SITE 2

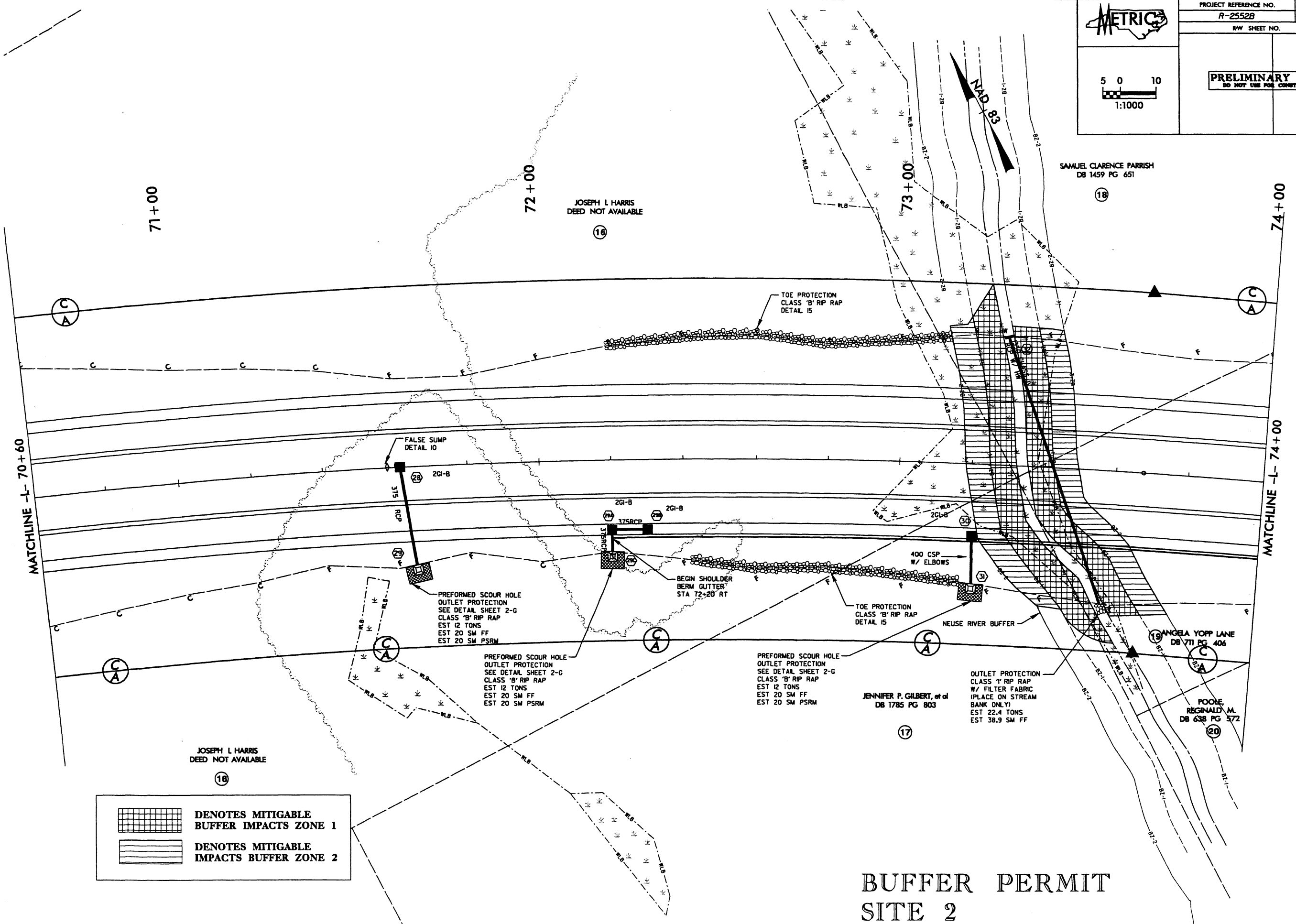
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9/23/2004



PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

SAMUEL CLARENCE PARRISH
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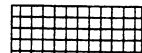
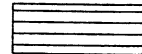


	DENOTES MITIGABLE BUFFER IMPACTS ZONE 1
	DENOTES MITIGABLE IMPACTS BUFFER ZONE 2

BUFFER PERMIT SITE 2

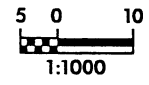
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9/24/2004

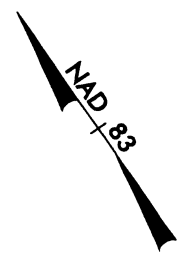
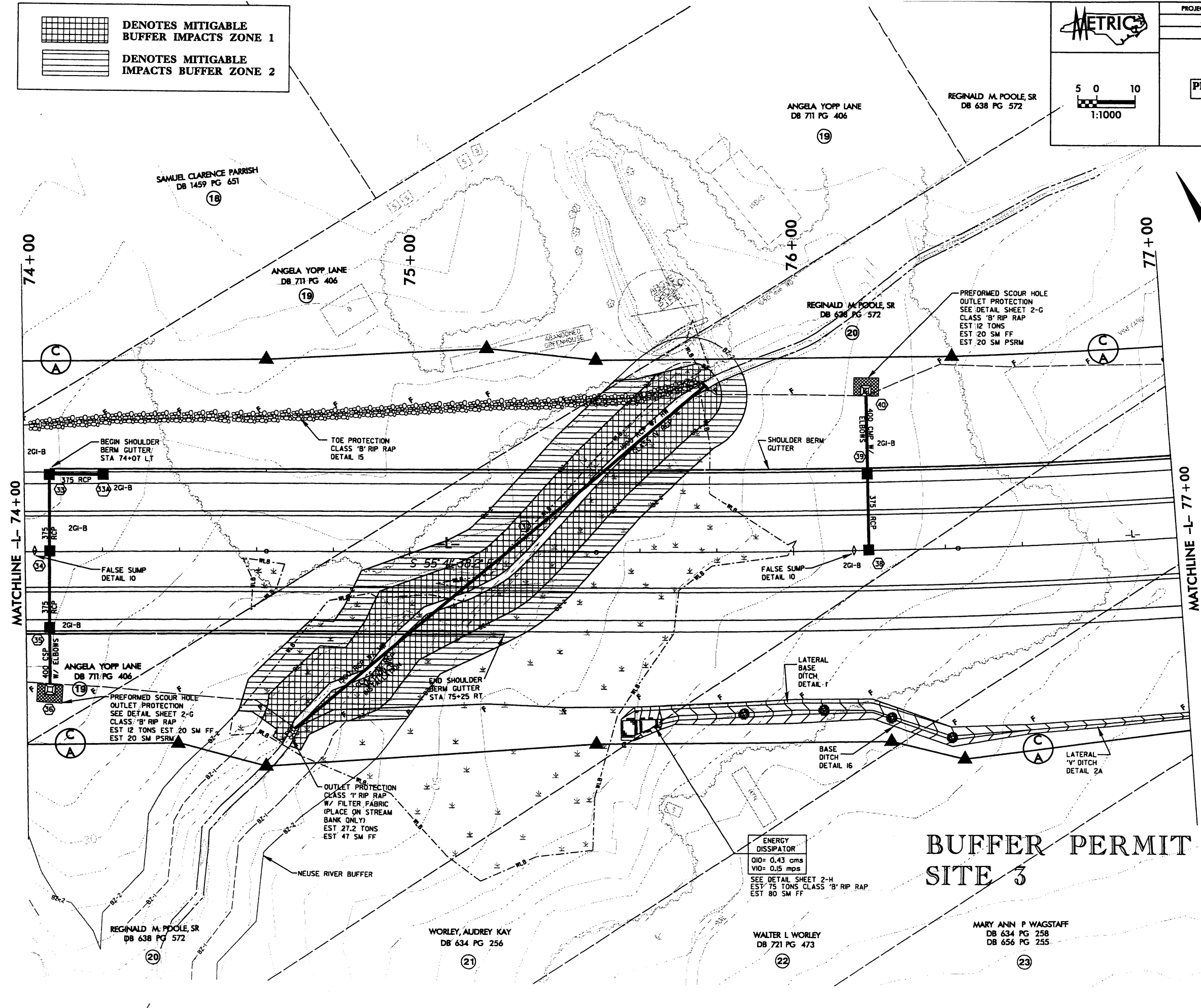
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 DENOTES MITIGABLE IMPACTS BUFFER ZONE 2



PROJECT REFERENCE NO. R-2552B
 SHEET NO. 9
 MW SHEET NO.



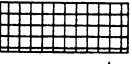
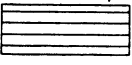
PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION




BUFFER PERMIT SITE 3

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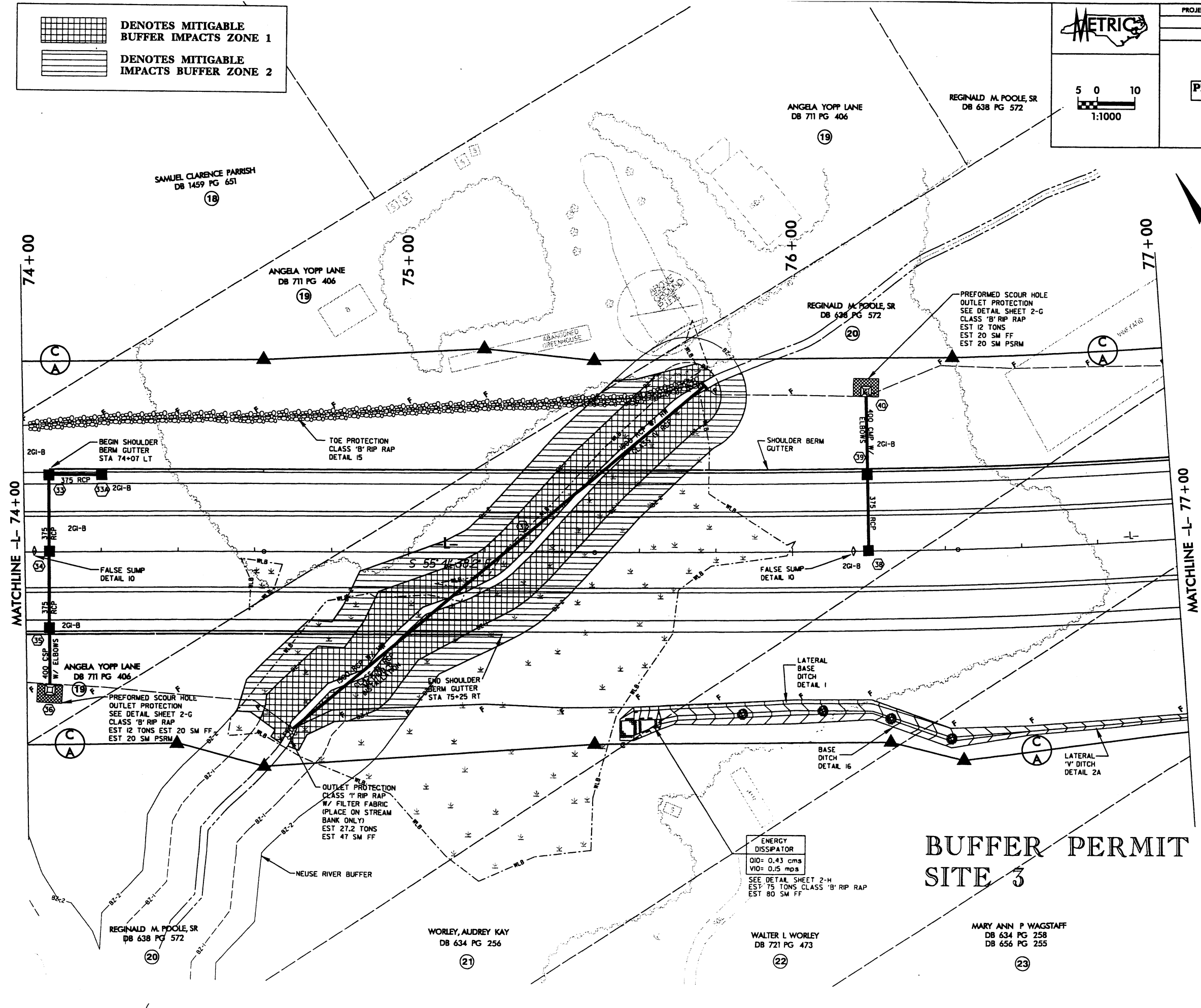
9/23/2004

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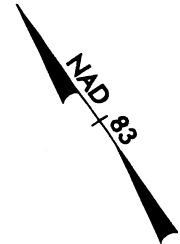


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PROJECT REFERENCE NO. R-2552B	SHEET NO. 9
NW SHEET NO.	
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	

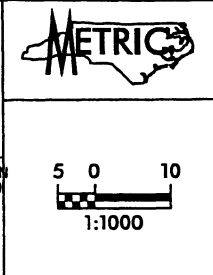


BUFFER PERMIT SITE 3



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PROJECT REFERENCE NO. R-2552B	SHEET NO. 10
NW SHEET NO.	
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	

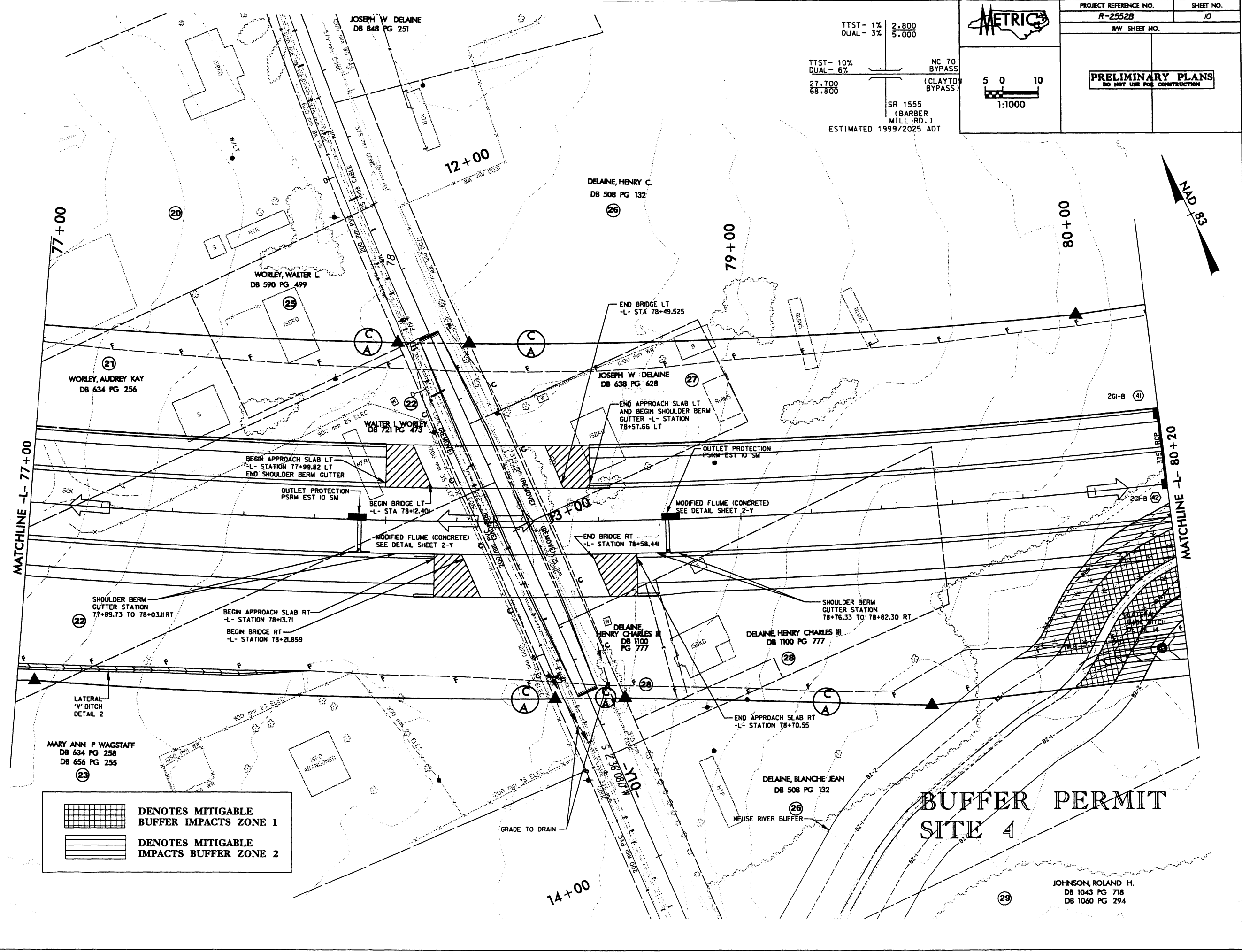


TTST- 1%
DUAL- 3% 2.800
5.000

TTST- 10%
DUAL- 6% 27.700
68.800

NC 70
BYPASS
(CLAYTON
BYPASS)

SR 1555
(BARBER
MILL RD.)
ESTIMATED 1999/2025 ADT

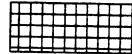
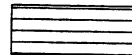



	DENOTES MITIGABLE BUFFER IMPACTS ZONE 1
	DENOTES MITIGABLE IMPACTS BUFFER ZONE 2

BUFFER PERMIT SITE 4

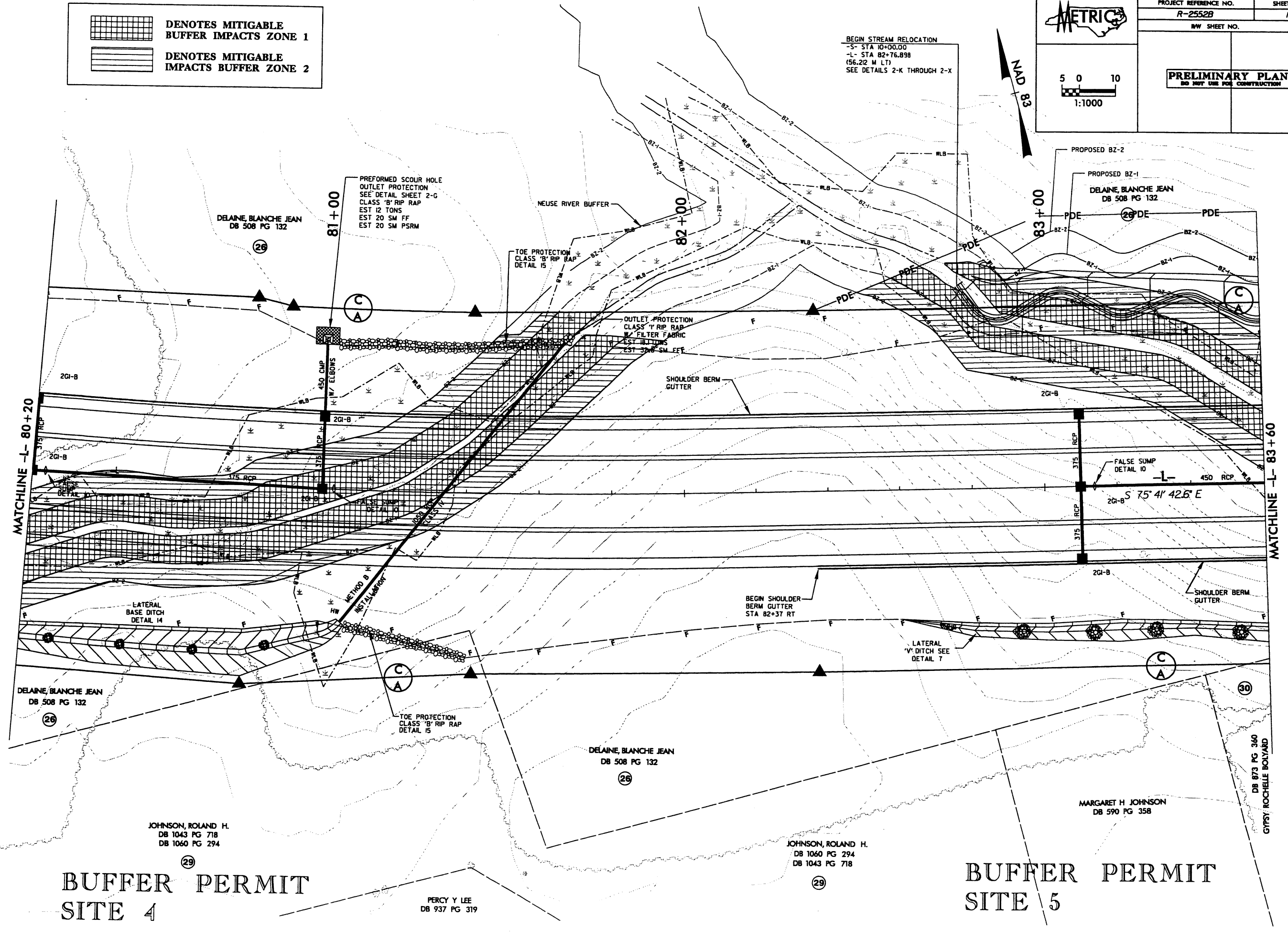
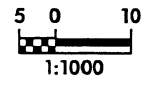
JOHNSON, ROLAND H.
DB 1043 PG 718
DB 1060 PG 294

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 DENOTES MITIGABLE BUFFER IMPACTS ZONE 1
 DENOTES MITIGABLE IMPACTS BUFFER ZONE 2


 PROJECT REFERENCE NO. R-2552B SHEET NO. II
 INW SHEET NO.
PRELIMINARY PLANS
 DO NOT USE FOR CONSTRUCTION

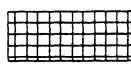
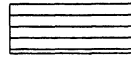
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 -L- STA 82+76.898
 (56.212 M LT)
 SEE DETAILS 2-K THROUGH 2-X

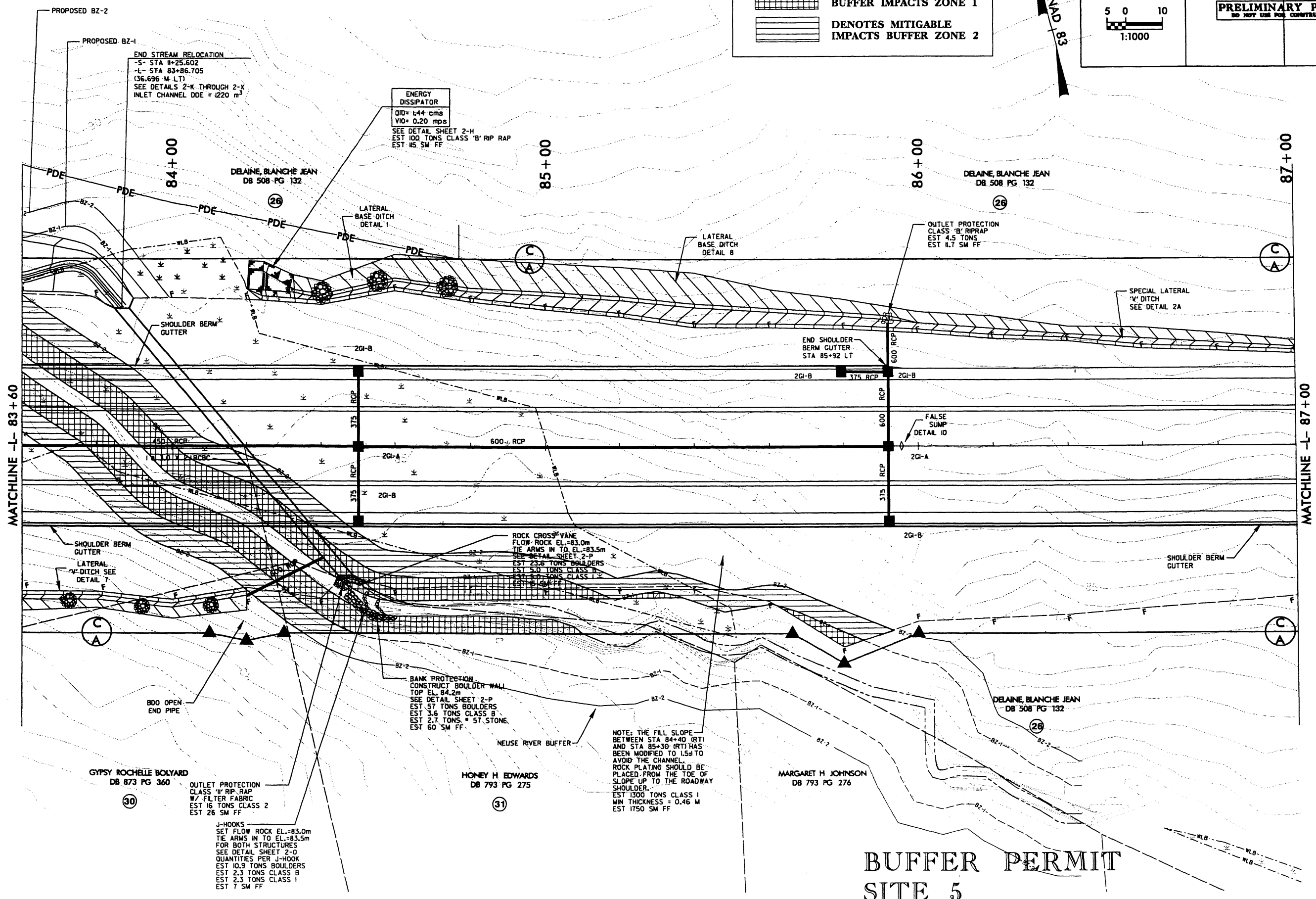
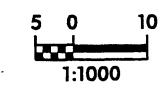
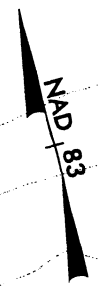


BUFFER PERMIT
SITE 4

BUFFER PERMIT
SITE 5

r:\01056065\plan\permits\buffer\2552bs_buffer05.dwg
 9/23/2004

	DENOTES MITIGABLE BUFFER IMPACTS ZONE 1
	DENOTES MITIGABLE IMPACTS BUFFER ZONE 2



BUFFER PERMIT SITE 5

9/23/2004
 r:\01056065\plan\permits\buffer\2552b\buffer06.dwg

PROJECT REFERENCE NO.	SHEET NO.
R-2552B	10
RW SHEET NO.	
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	

METRIC

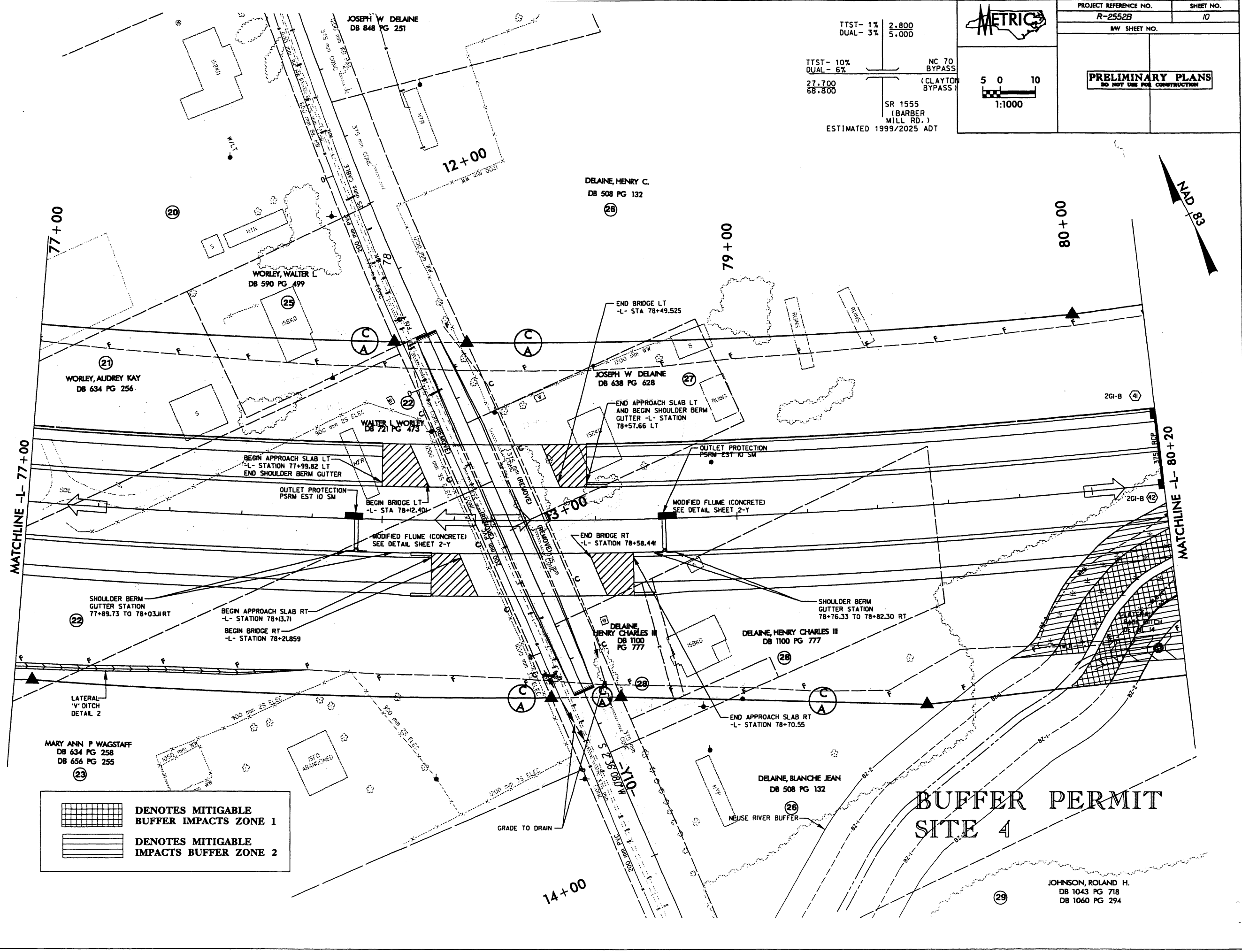
5 0 10
1:1000

TTST- 1% 2.800
DUAL- 3% 5.000

TTST- 10%
DUAL- 6% 27.700
68.800

NC 70 BYPASS
(CLAYTON BYPASS)

SR 1555
(BARBER MILL RD.)
ESTIMATED 1999/2025 ADT




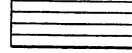
DENOTES MITIGABLE BUFFER IMPACTS ZONE 1

DENOTES MITIGABLE IMPACTS BUFFER ZONE 2

BUFFER PERMIT SITE 4

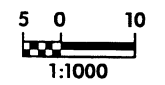
9/24/2004 r:\10105605\plan\permits\buffer\2552b_buffer04.pst

JOHNSON, ROLAND H.
DB 1043 PG 718
DB 1060 PG 294

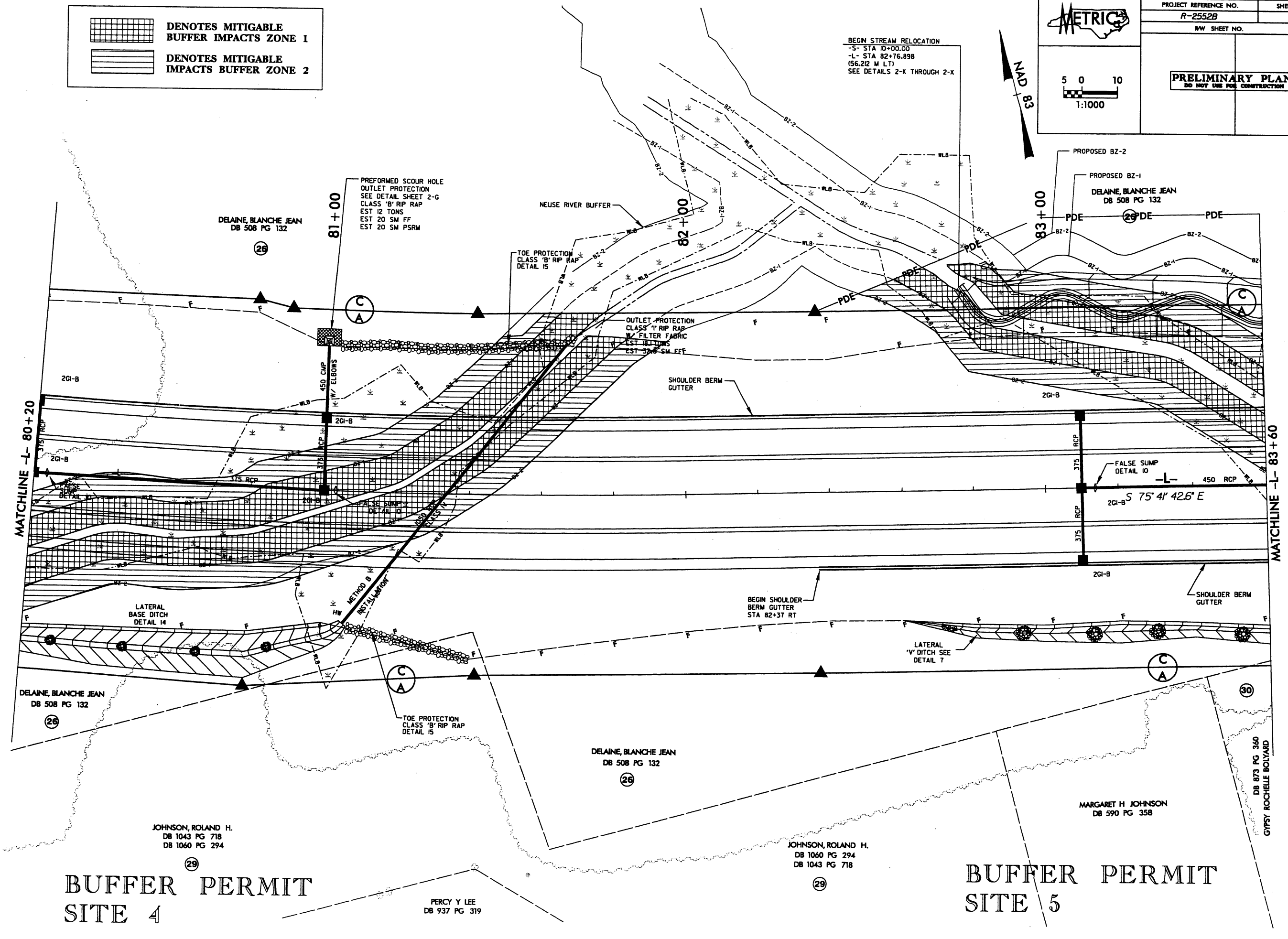
 DENOTES MITIGABLE BUFFER IMPACTS ZONE 1
 DENOTES MITIGABLE IMPACTS BUFFER ZONE 2



PROJECT REFERENCE NO. R-2552B	SHEET NO. II
NW SHEET NO.	
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	



BEGIN STREAM RELOCATION
 -S- STA 10+00.00
 -L- STA 82+76.898
 (56,212 M L.T.)
 SEE DETAILS 2-K THROUGH 2-X

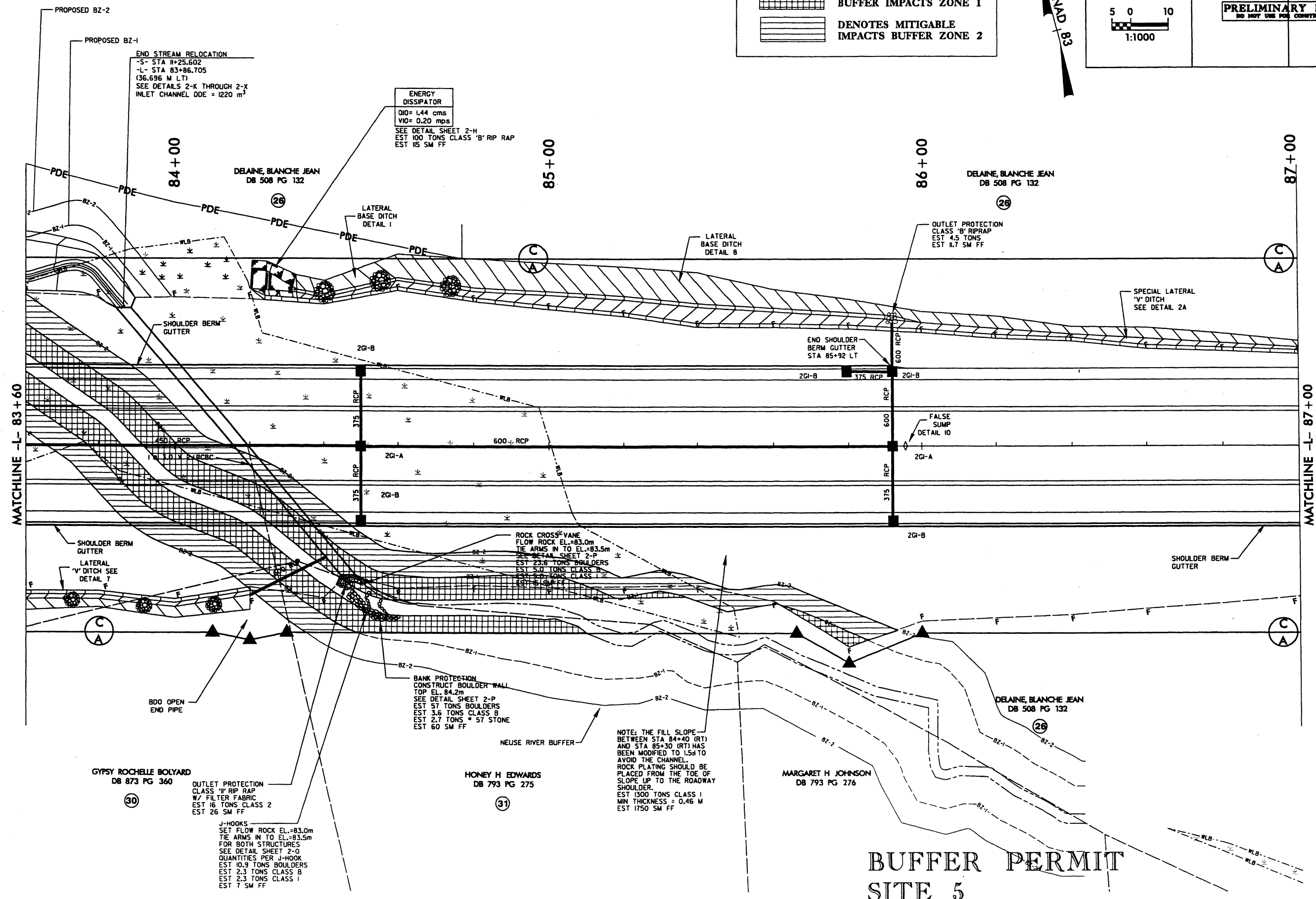
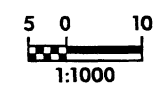
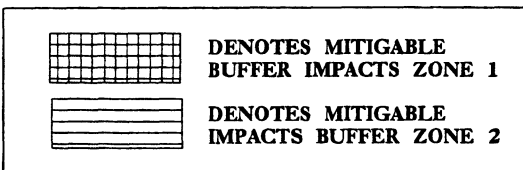


BUFFER PERMIT SITE 4

BUFFER PERMIT SITE 5

r:\01056065\plan\permits\buffer\2552bs_buffer05.dwg

9/24/2004



MATCHLINE -L- 83+60

MATCHLINE -L- 87+00

END STREAM RELOCATION
 -S- STA 82+55.602
 -L- STA 83+86.705
 (36.696 M LT)
 SEE DETAILS 2-K THROUGH 2-Y
 INLET CHANNEL DDE = 1220 m²

ENERGY DISSIPATOR
 Q10= 1.44 cms
 V10= 0.20 mps
 SEE DETAIL SHEET 2-H
 EST 100 TONS CLASS 'B' RIP RAP
 EST 115 SM FF

84+00

85+00

86+00

87+00

DELAINE, BLANCHE JEAN
 DB 508 PG 132

DELAINE, BLANCHE JEAN
 DB 508 PG 132

GYPSY ROCHELLE BOLIYARD
 DB 873 PG 360

HONEY H EDWARDS
 DB 793 PG 275

MARGARET H JOHNSON
 DB 793 PG 276

DELAINE, BLANCHE JEAN
 DB 508 PG 132

OUTLET PROTECTION
 CLASS 'B' RIP RAP
 W/ FILTER FABRIC
 EST 16 TONS CLASS 2
 EST 26 SM FF

J-HOOKS
 SET FLOW ROCK EL.=83.0m
 TIE ARMS IN TO EL.=83.5m
 FOR BOTH STRUCTURES
 SEE DETAIL SHEET 2-0
 QUANTITIES PER J-HOOK
 EST 10.9 TONS BOULDERS
 EST 2.3 TONS CLASS B
 EST 2.3 TONS CLASS I
 EST 7 SM FF

BANK PROTECTION
 CONSTRUCT BOULDER WALL
 TOP EL. 84.2m
 SEE DETAIL SHEET 2-P
 EST 57 TONS BOULDERS
 EST 3.6 TONS CLASS B
 EST 2.7 TONS CLASS I
 EST 60 SM FF

NEUSE RIVER BUFFER

NOTE: THE FILL SLOPE
 BETWEEN STA 84+40 (RT)
 AND STA 85+30 (RT) HAS
 BEEN MODIFIED TO 1.5H TO
 AVOID THE CHANNEL.
 ROCK PLATING SHOULD BE
 PLACED FROM THE TOE OF
 SLOPE UP TO THE ROADWAY
 SHOULDER.
 EST 1300 TONS CLASS I
 MIN THICKNESS = 0.46 M
 EST 1750 SM FF

ROCK CROSS-VANE
 FLOW ROCK EL.=83.0m
 TIE ARMS IN TO EL.=83.5m
 SEE DETAIL SHEET 2-P
 EST 23.6 TONS BOULDERS
 EST 5.0 TONS CLASS B
 EST 3.4 TONS CLASS I
 EST 16 SM FF

OUTLET PROTECTION
 CLASS 'B' RIPRAP
 EST 4.5 TONS
 EST 11.7 SM FF

SPECIAL LATERAL
 'V' DITCH
 SEE DETAIL 2A

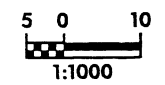
END SHOULDER
 BERM GUTTER
 STA 85+92 LT

FALSE
 SLUMP
 DETAIL 10

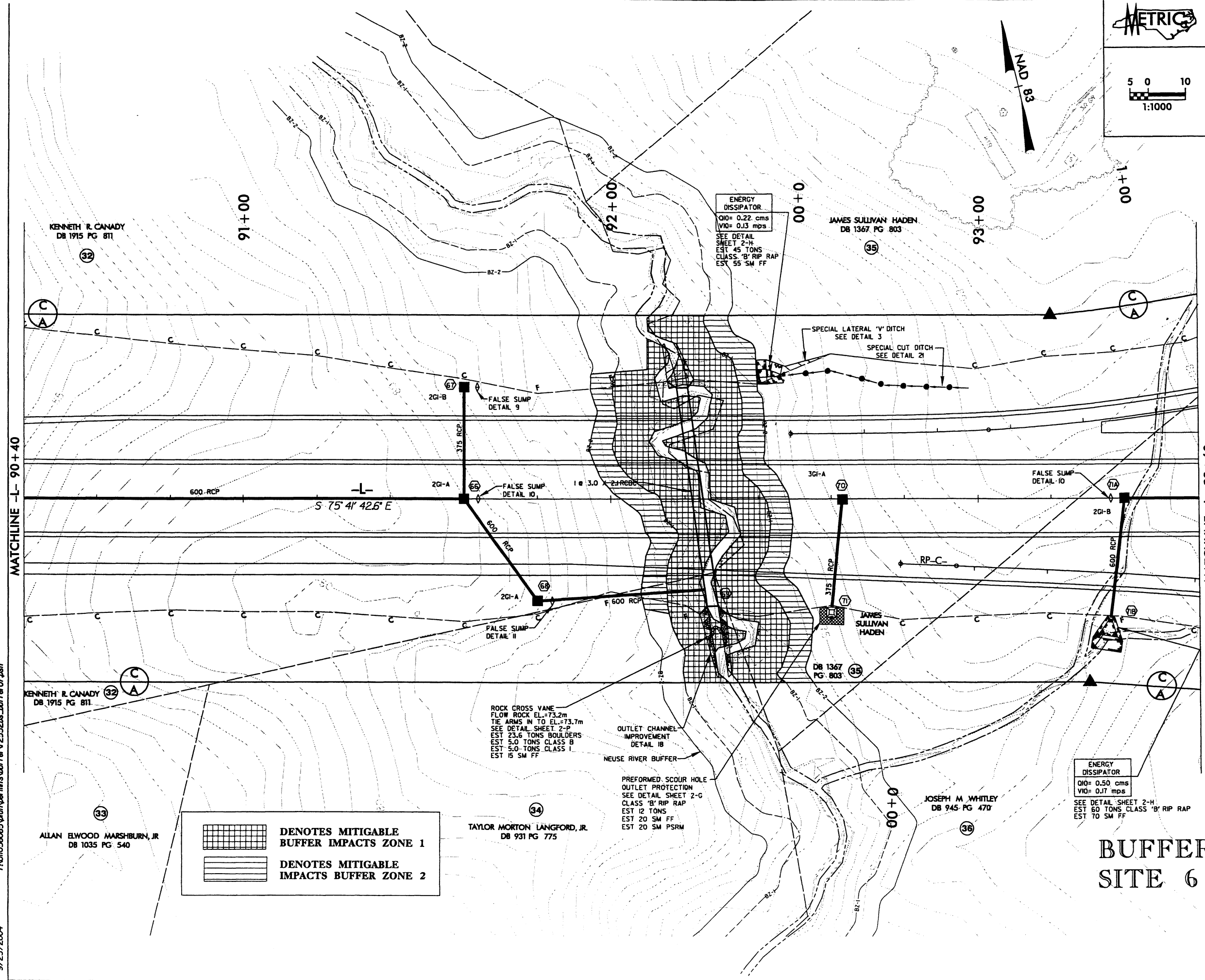
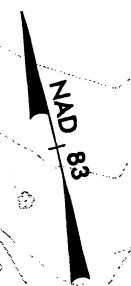
SHOULDER BERM
 GUTTER

SHOULDER BERM
 GUTTER

BUFFER PERMIT SITE 5



PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION



MATCHLINE -L- 90+40

MATCHLINE -L- 93+60

	DENOTES MITIGABLE BUFFER IMPACTS ZONE 1
	DENOTES MITIGABLE IMPACTS BUFFER ZONE 2

ENERGY DISSIPATOR
Q10= 0.22 cms
V10= 0.13 mps
SEE DETAIL SHEET 2-H
EST 45 TONS CLASS 'B' RIP RAP
EST 55 SM FF

ENERGY DISSIPATOR
Q10= 0.50 cms
V10= 0.17 mps
SEE DETAIL SHEET 2-H
EST 60 TONS CLASS 'B' RIP RAP
EST 70 SM FF

ROCK CROSS VANE
FLOW ROCK EL.=73.2m
TIE ARMS IN TO EL.=73.7m
SEE DETAIL SHEET 2-P
EST 23.6 TONS BOULDERS
EST 5.0 TONS CLASS B
EST 5.0 TONS CLASS I
EST 15 SM FF

OUTLET CHANNEL IMPROVEMENT
DETAIL 1B

NEUSE RIVER BUFFER

PREFORMED SCOUR HOLE
OUTLET PROTECTION
SEE DETAIL SHEET 2-G
CLASS 'B' RIP RAP
EST 12 TONS
EST 20 SM FF
EST 20 SM PSRM

KENNETH R. CANADY
DB 1915 PG 811

JAMES SULLIVAN HADEN
DB 1367 PG 803

KENNETH R. CANADY
DB 1915 PG 811

JAMES SULLIVAN HADEN
DB 1367 PG 803

ALLAN ELWOOD MARSHBURN, JR.
DB 1035 PG 540

TAYLOR MORTON LANGFORD, JR.
DB 931 PG 775

JOSEPH M. WHITLEY
DB 945 PG 470

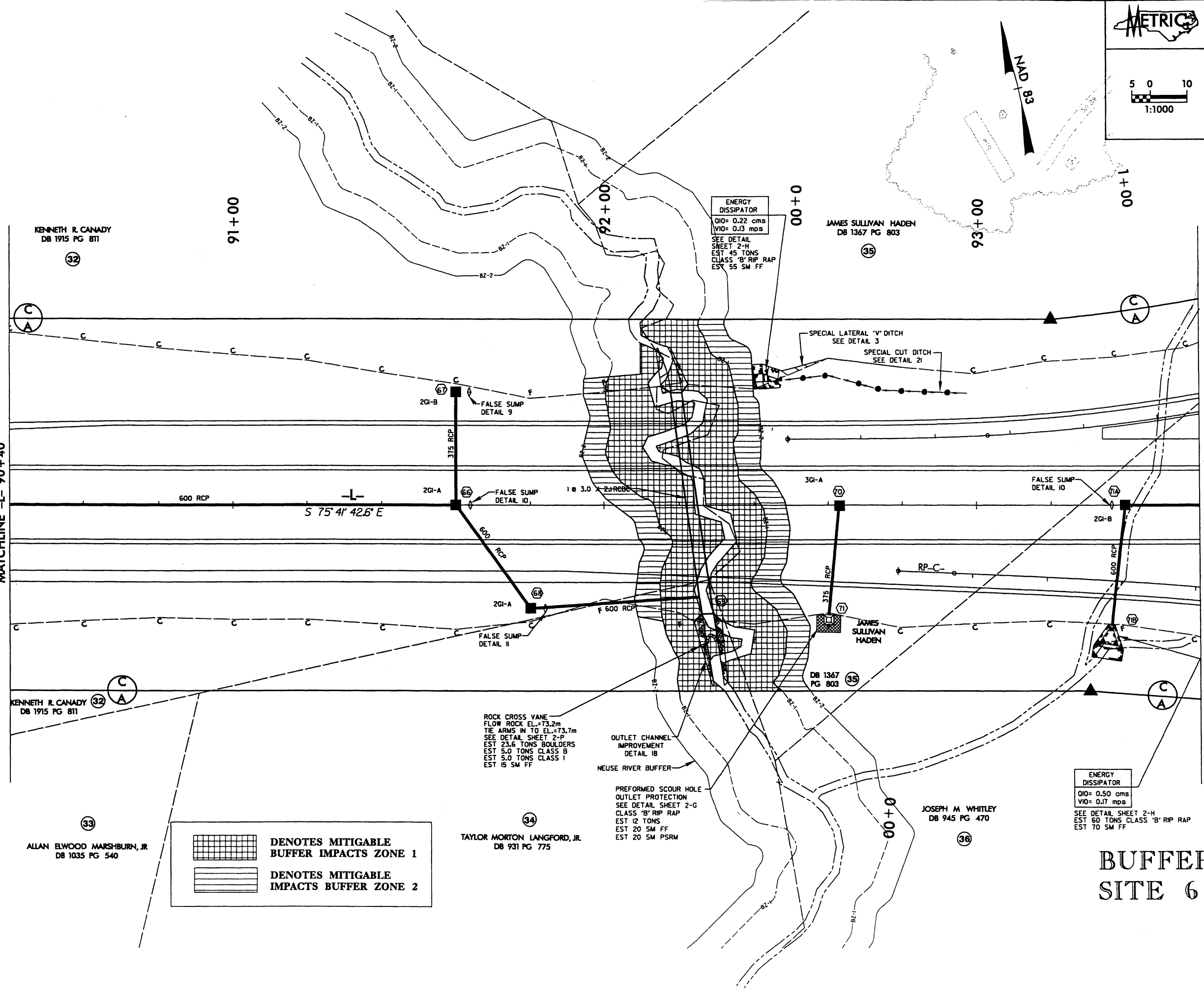
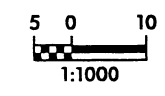
BUFFER PERMIT SITE 6

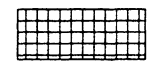
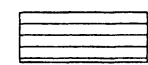
r:\01056065\plan\permits\buffer\2552bs_buffer07.pch

9/23/2004



PROJECT REFERENCE NO. R-2552B	SHEET NO. 14
RW SHEET NO.	
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	



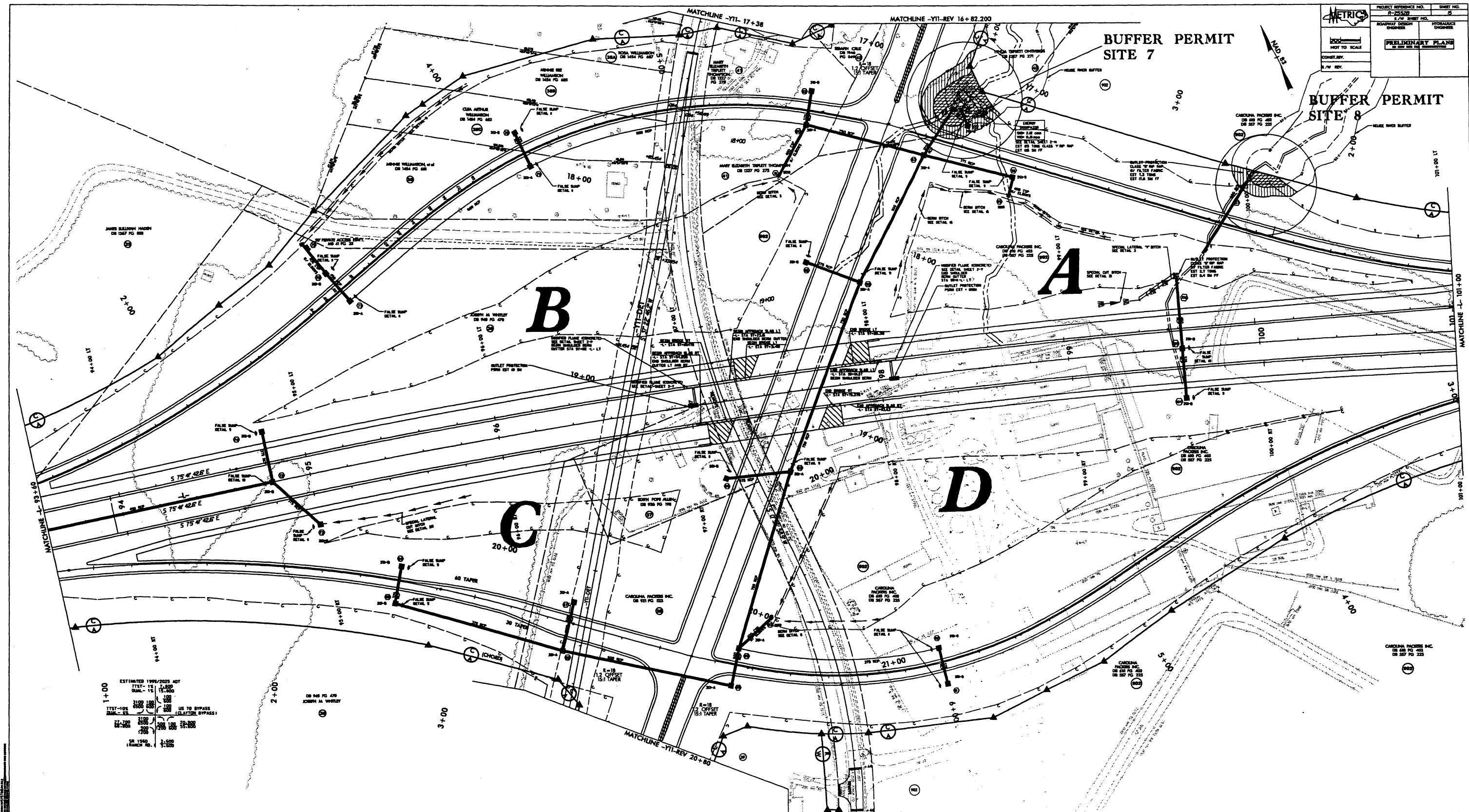
 DENOTES MITIGABLE BUFFER IMPACTS ZONE 1
 DENOTES MITIGABLE IMPACTS BUFFER ZONE 2

ENERGY DISSIPATOR
 Q10= 0.50 cms
 V10= 0.17 mps
 SEE DETAIL SHEET 2-H
 EST 60 TONS CLASS 'B' RIP RAP
 EST 70 SM FF

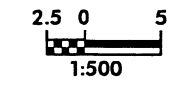
BUFFER PERMIT SITE 6

r:\01056065\plan\permits\buffer\2552bs_buffer07.dwg

9/24/2004



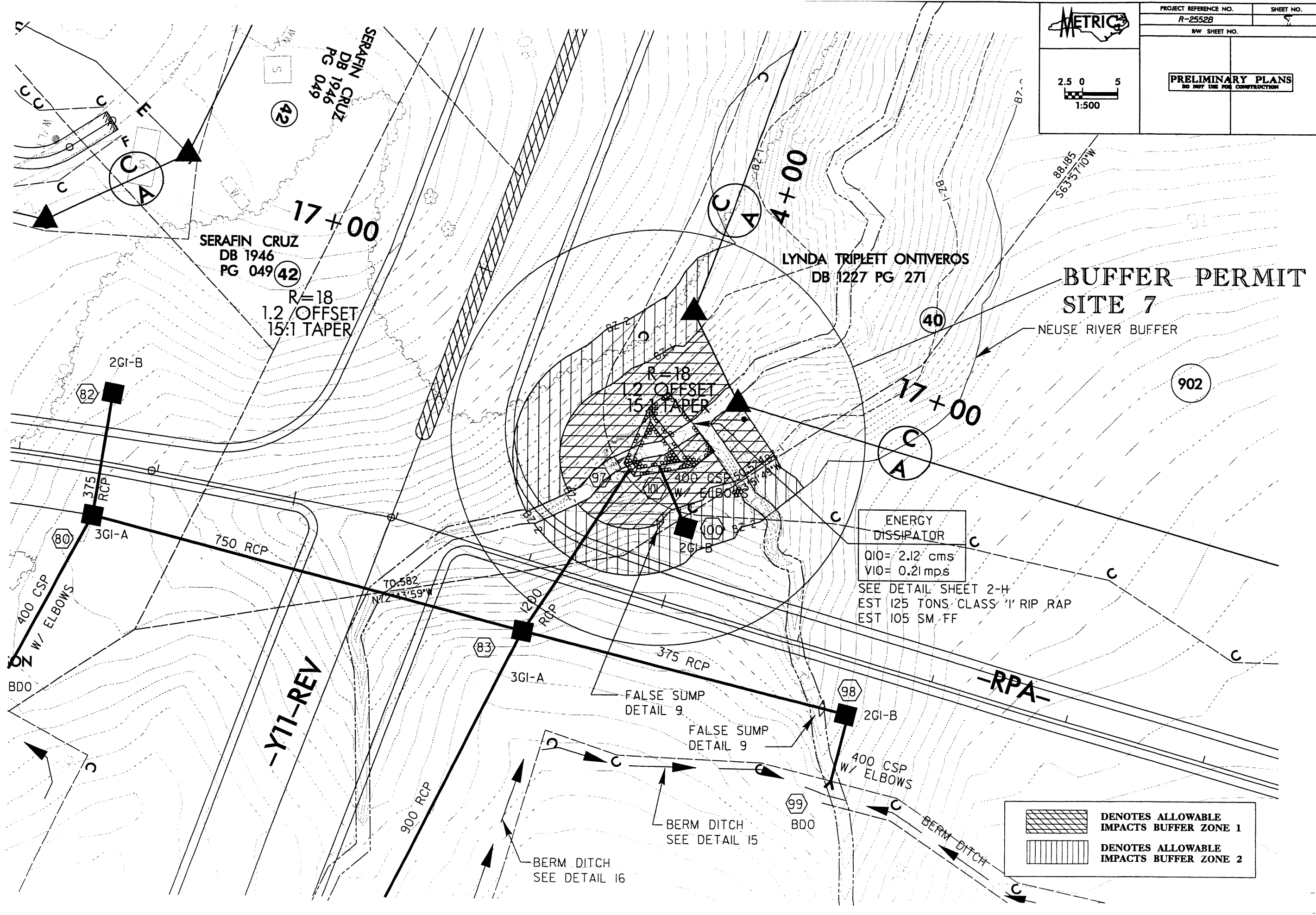
SEE NEXT 2 SHEETS FOR BUFFER PERMIT SITES 7 AND 8



BUFFER PERMIT SITE 7

NEUSE RIVER BUFFER

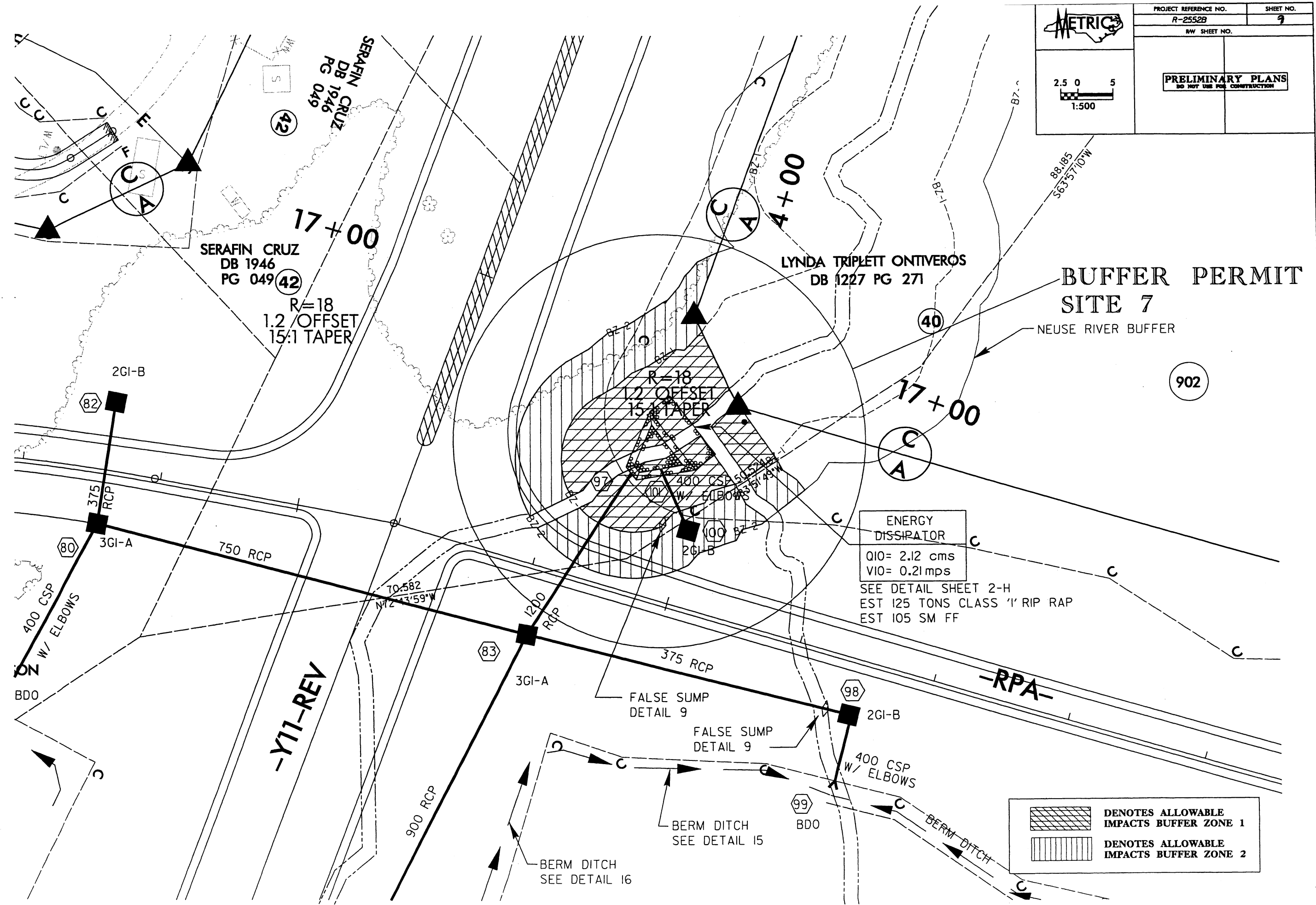
902



ENERGY DISSIPATOR
 Q10= 2.12 cms
 V10= 0.21 mps
 SEE DETAIL SHEET 2-H
 EST 125 TONS CLASS '1' RIP RAP
 EST 105 SM FF

	DENOTES ALLOWABLE IMPACTS BUFFER ZONE 1
	DENOTES ALLOWABLE IMPACTS BUFFER ZONE 2

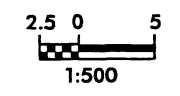
R:\01056065\Plan\permits\buffer\2552bs_burffar08a.dwg
 9/24/2004



9/24/2004
 r:\0105605\plan\permits\buffer\2552b\buffer08a.pst

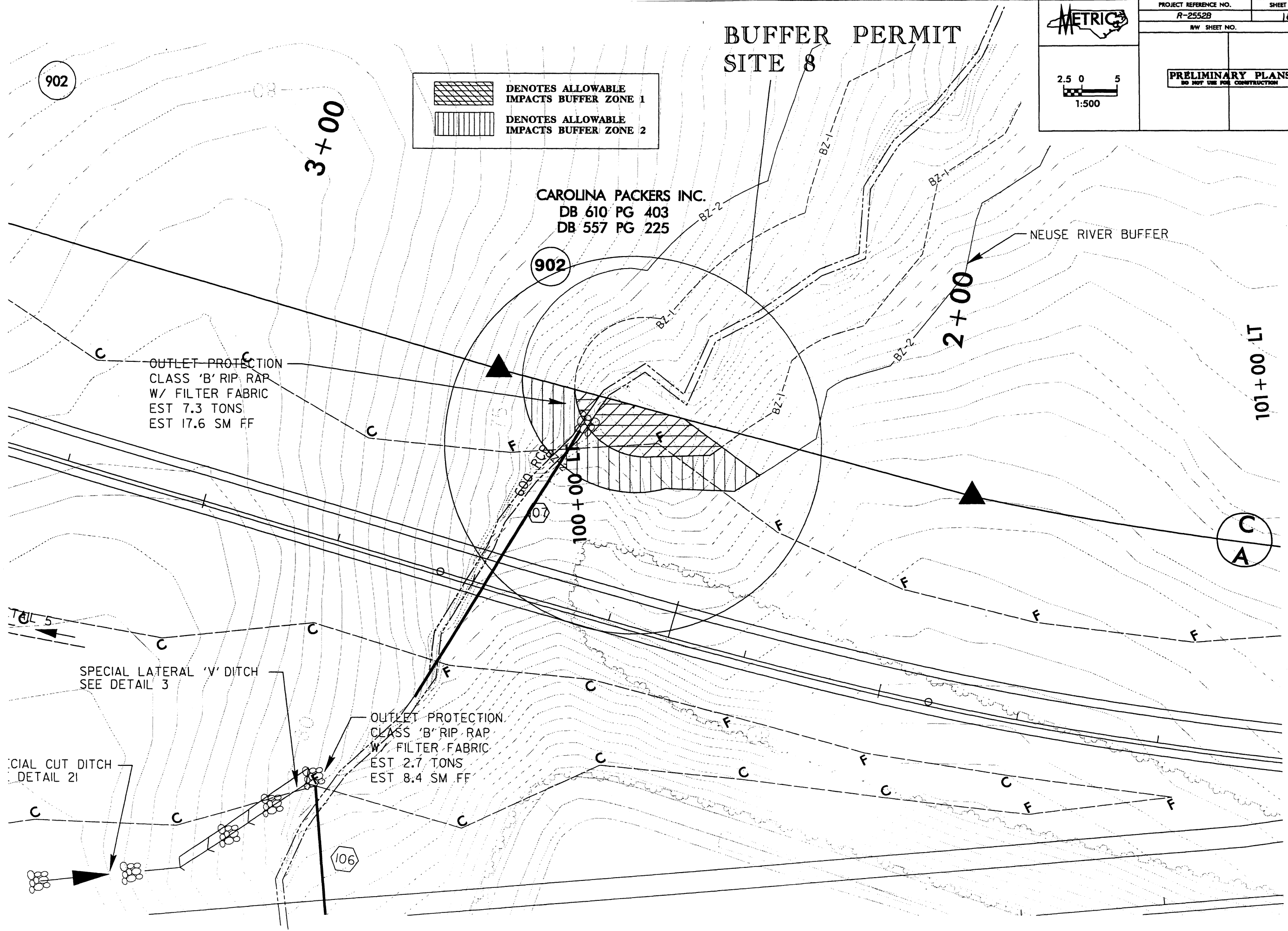


PROJECT REFERENCE NO. R-2552B	SHEET NO. 10
NW SHEET NO.	
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	



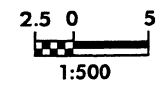
BUFFER PERMIT SITE 8

	DENOTES ALLOWABLE IMPACTS BUFFER ZONE 1
	DENOTES ALLOWABLE IMPACTS BUFFER ZONE 2



R:\01056065\Plan\permits\buffer\2552bs_buff\08bush
9/24/2004

PROJECT REFERENCE NO. R-2552B		SHEET NO. (1)	
RW SHEET NO.			
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION			



BUFFER PERMIT SITE 8

	DENOTES ALLOWABLE IMPACTS BUFFER ZONE 1
	DENOTES ALLOWABLE IMPACTS BUFFER ZONE 2

902

3+00

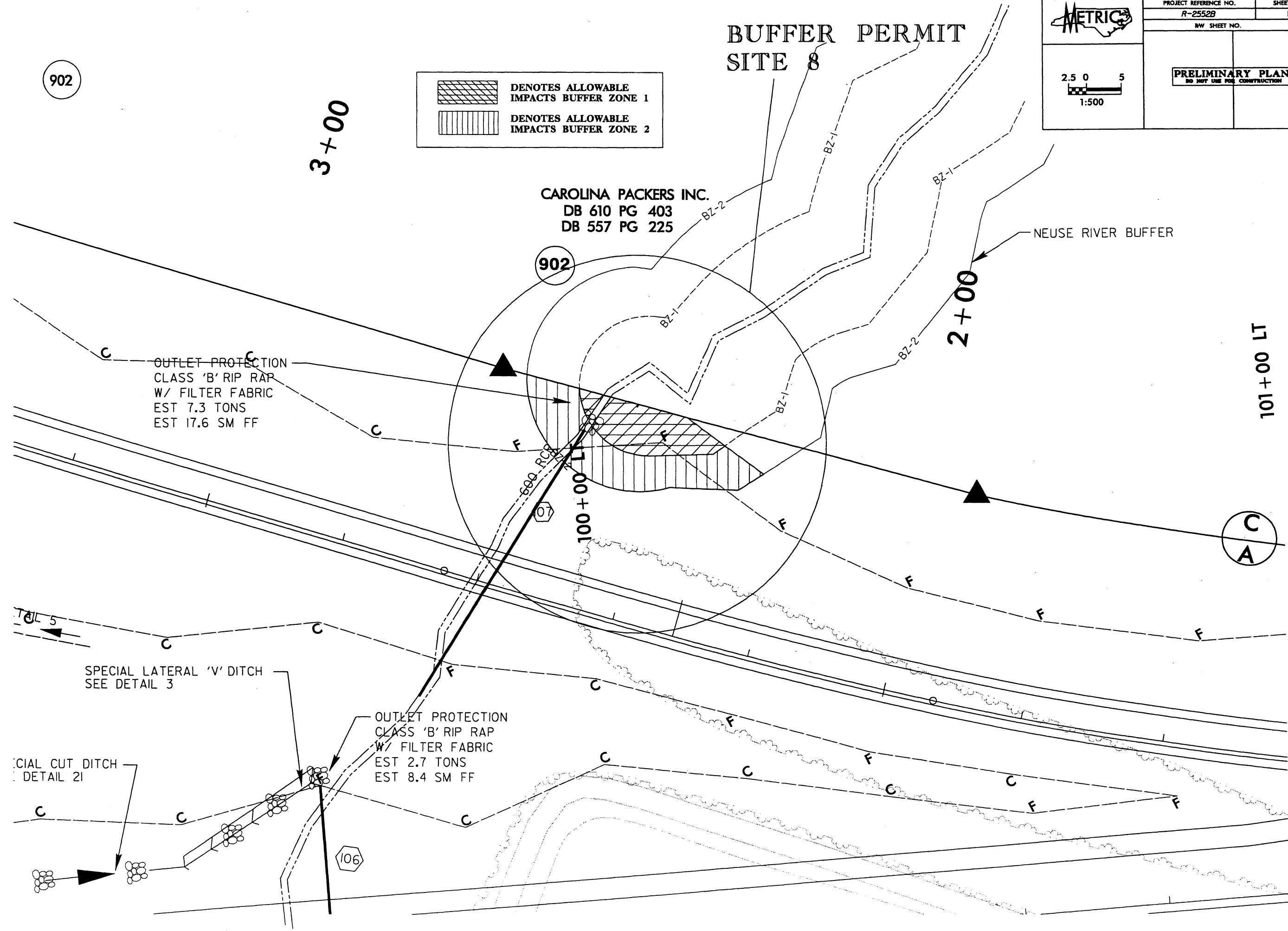
CAROLINA PACKERS INC.
DB 610 PG 403
DB 557 PG 225

902


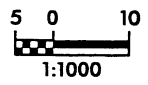

NEUSE RIVER BUFFER

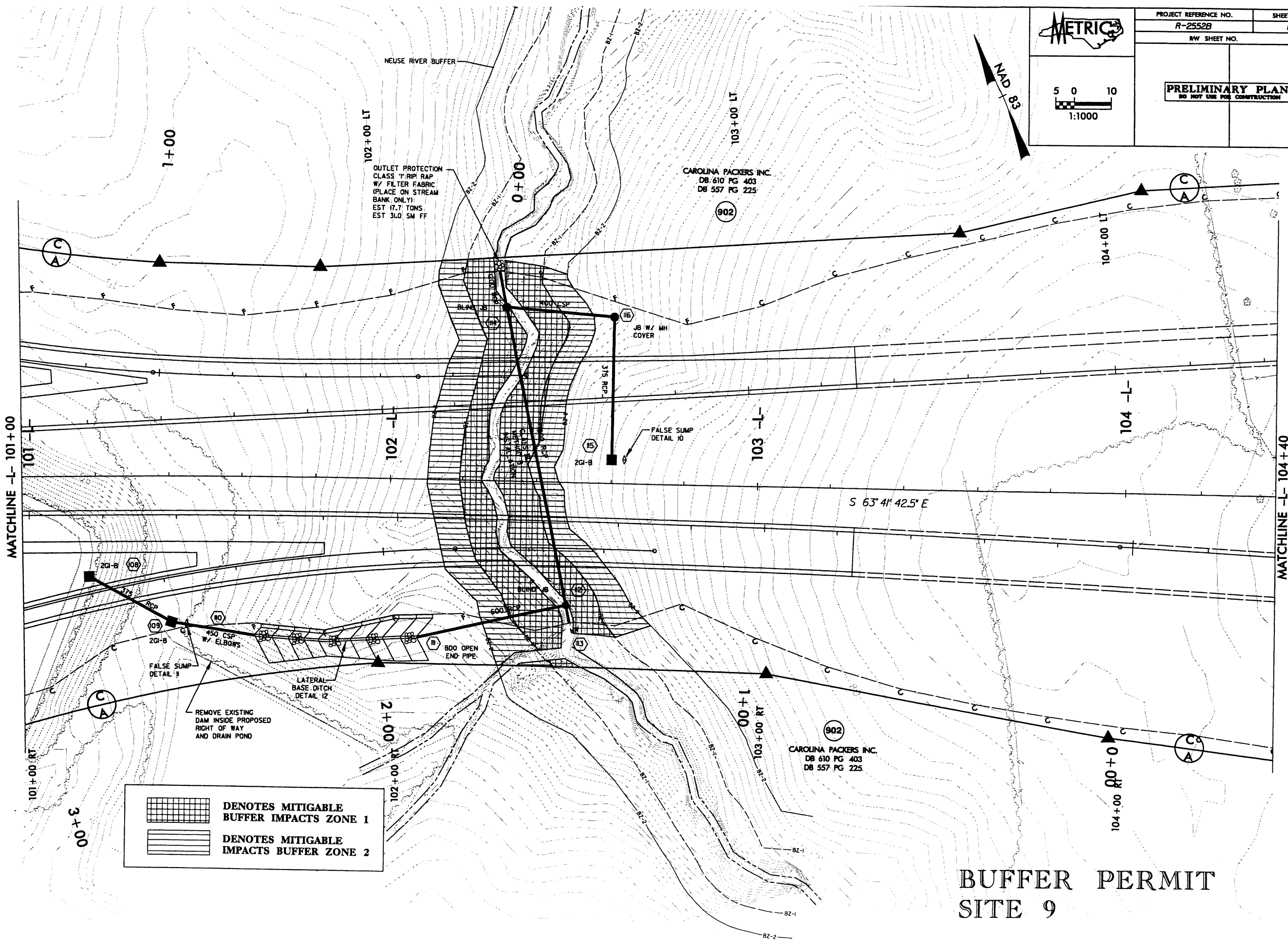
2+00

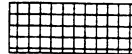
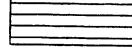
101+00 LT



r:\01056065\plan\permits\buffer\2552bs_buffer08b.dwg
9/24/2004

	PROJECT REFERENCE NO.	SHEET NO.
	R-2552B	16
	RW SHEET NO.	
		PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION
		

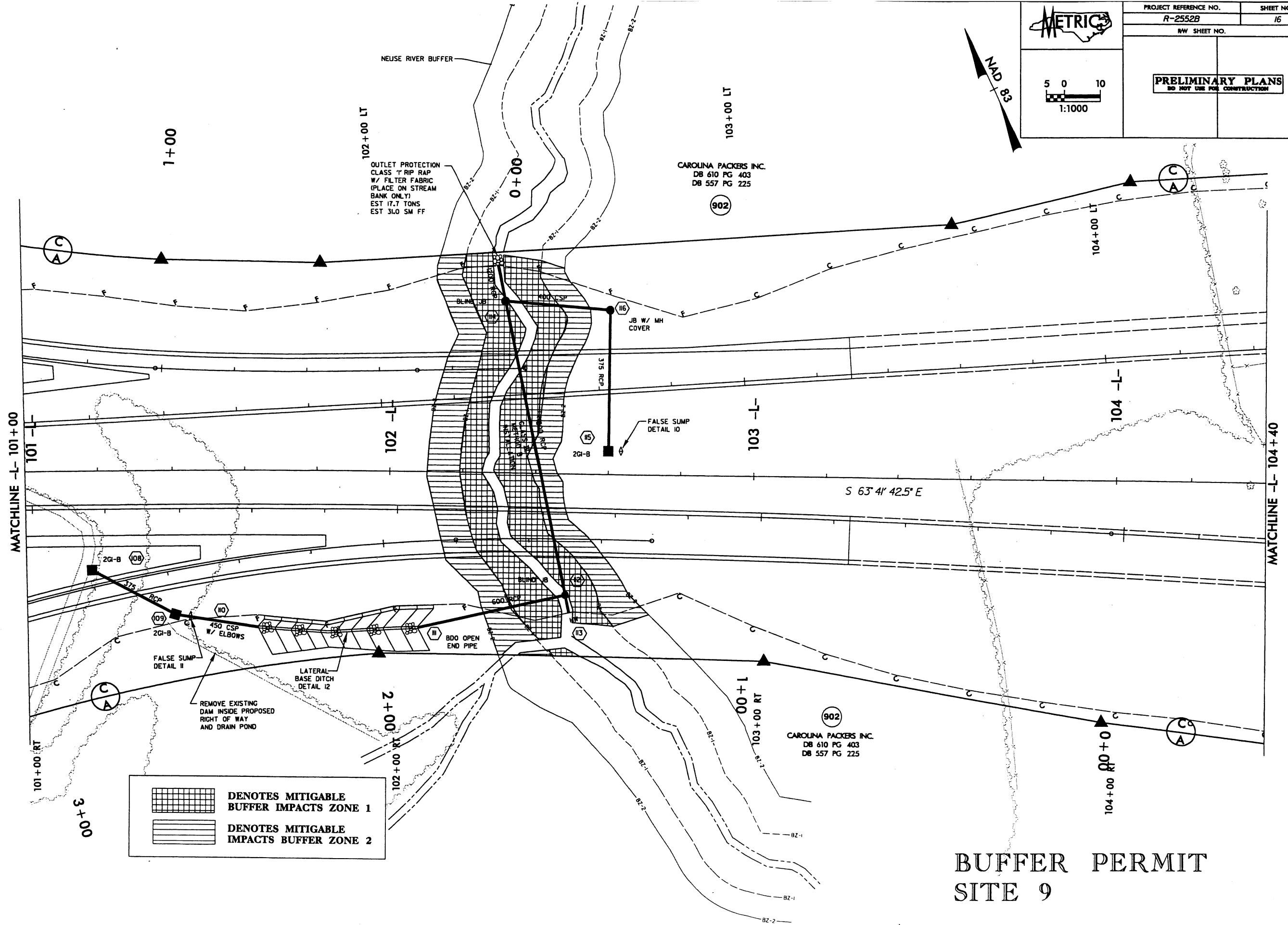
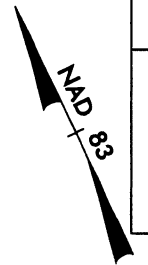
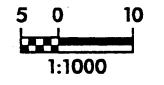


 DENOTES MITIGABLE BUFFER IMPACTS ZONE 1
 DENOTES MITIGABLE IMPACTS BUFFER ZONE 2

**BUFFER PERMIT
SITE 9**



PROJECT REFERENCE NO. R-2552B	SHEET NO. 16
NW SHEET NO.	
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	

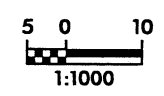


	DENOTES MITIGABLE BUFFER IMPACTS ZONE 1
	DENOTES MITIGABLE IMPACTS BUFFER ZONE 2

BUFFER PERMIT SITE 9

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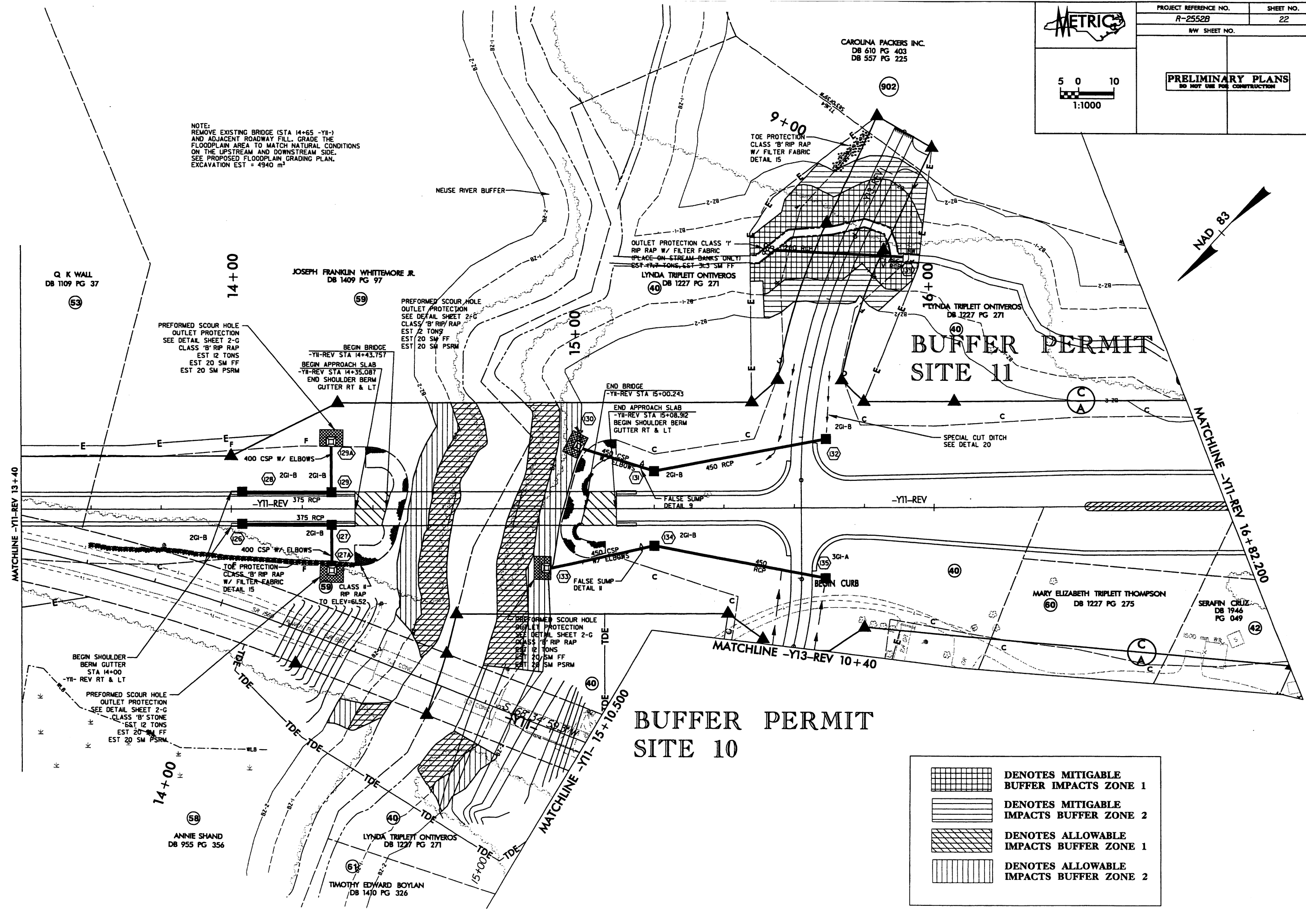
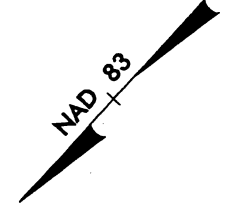
9/24/2004



PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

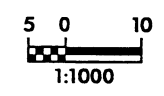
NOTE:
REMOVE EXISTING BRIDGE (STA 14+65 -YI-) AND ADJACENT ROADWAY FILL. GRADE THE FLOODPLAIN AREA TO MATCH NATURAL CONDITIONS ON THE UPSTREAM AND DOWNSTREAM SIDE. SEE PROPOSED FLOODPLAIN GRADING PLAN. EXCAVATION EST = 4940 m³

CAROLINA PACKERS INC.
DB 610 PG 403
DB 557 PG 225



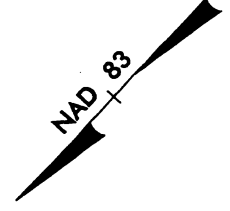
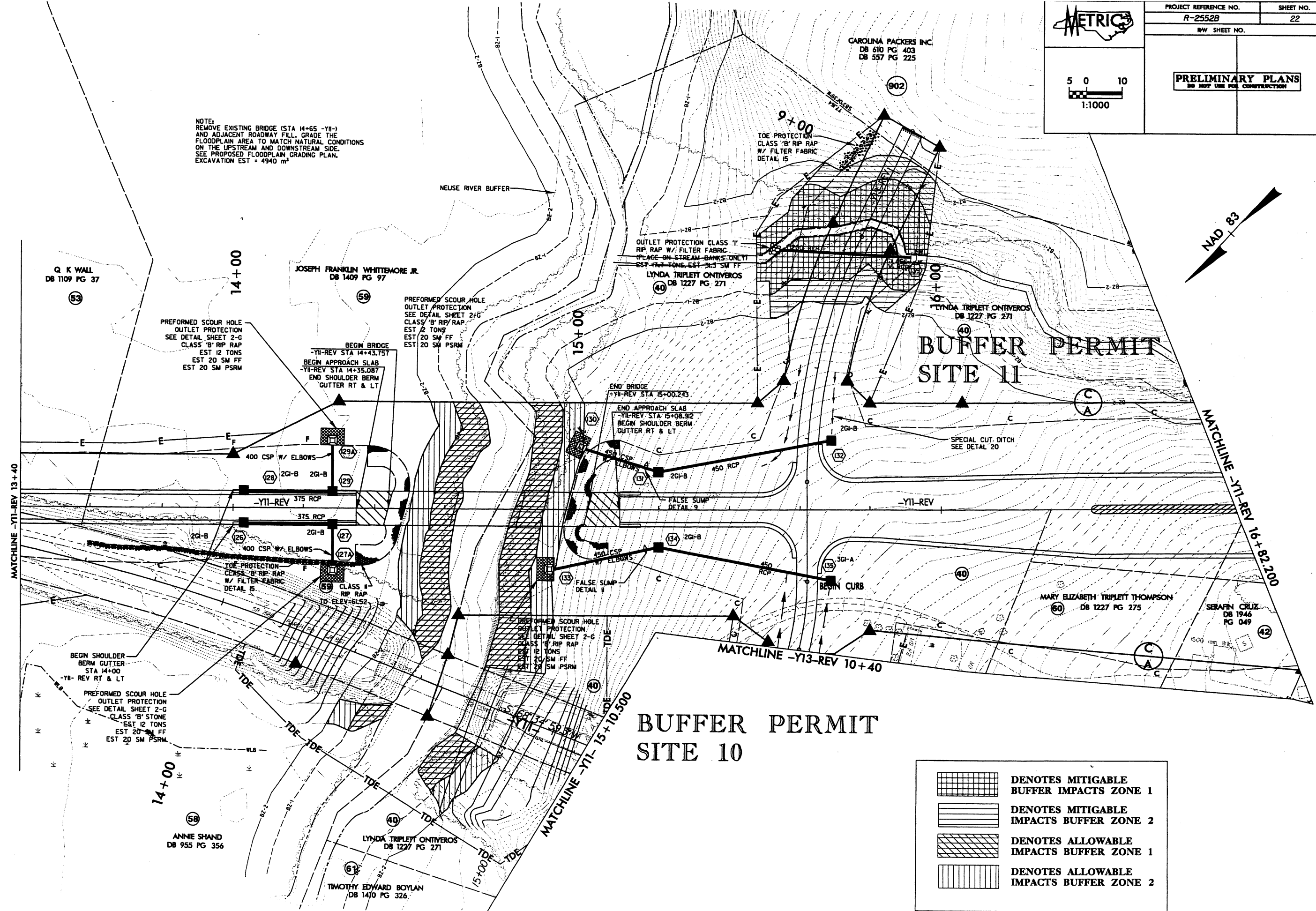
	DENOTES MITIGABLE BUFFER IMPACTS ZONE 1
	DENOTES MITIGABLE IMPACTS BUFFER ZONE 2
	DENOTES ALLOWABLE IMPACTS BUFFER ZONE 1
	DENOTES ALLOWABLE IMPACTS BUFFER ZONE 2

9/30/2004 R:\01056065\Plan\permits\buffer\25520s_buff.rvt



PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

NOTE:
REMOVE EXISTING BRIDGE (STA 14+65 -Y11-) AND ADJACENT ROADWAY FILL. GRADE THE FLOODPLAIN AREA TO MATCH NATURAL CONDITIONS ON THE UPSTREAM AND DOWNSTREAM SIDE. SEE PROPOSED FLOODPLAIN GRADING PLAN. EXCAVATION EST = 4940 m³



BUFFER PERMIT SITE 11

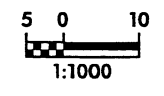
BUFFER PERMIT SITE 10

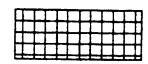
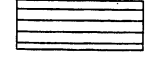
	DENOTES MITIGABLE BUFFER IMPACTS ZONE 1
	DENOTES MITIGABLE IMPACTS BUFFER ZONE 2
	DENOTES ALLOWABLE IMPACTS BUFFER ZONE 1
	DENOTES ALLOWABLE IMPACTS BUFFER ZONE 2

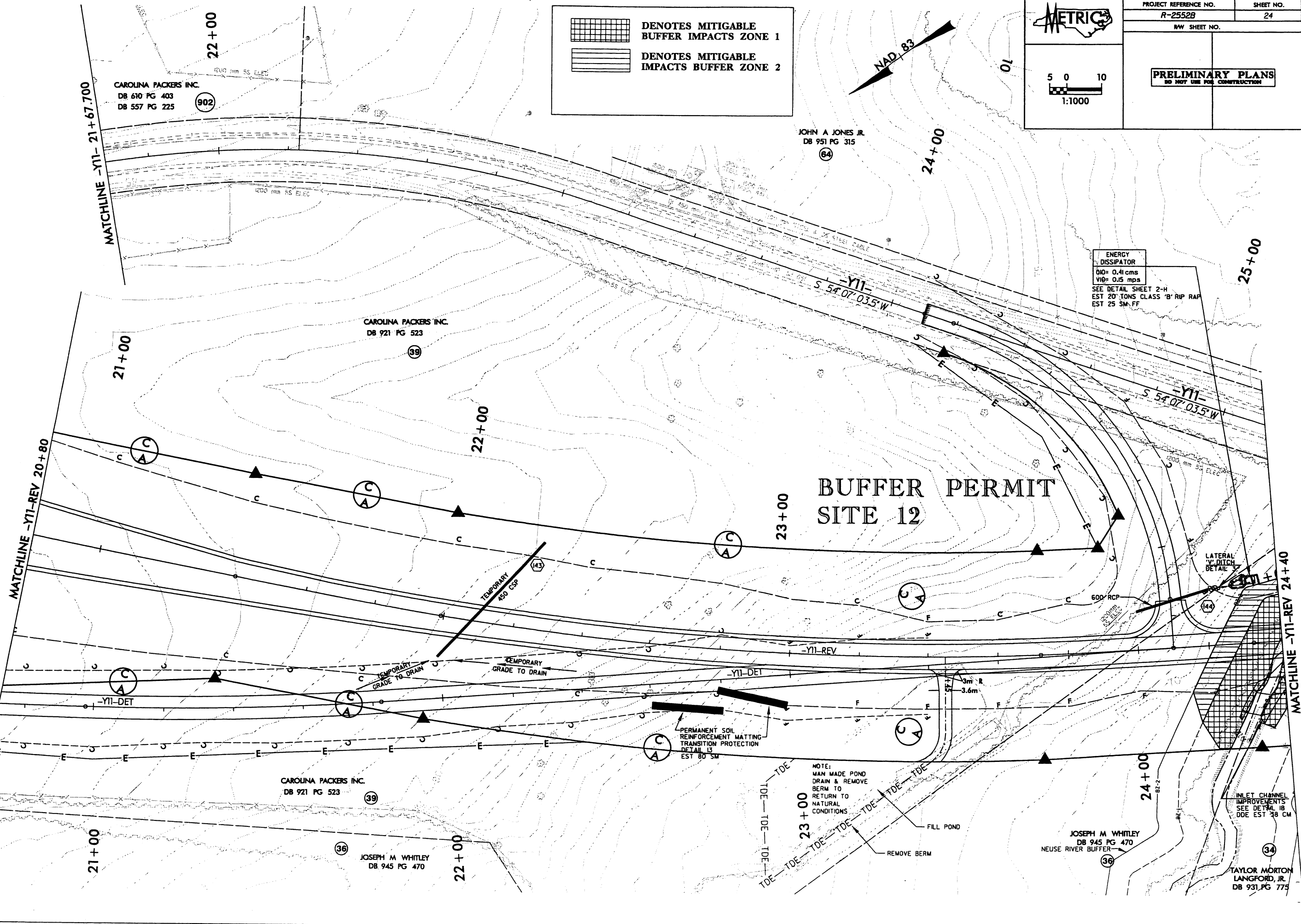
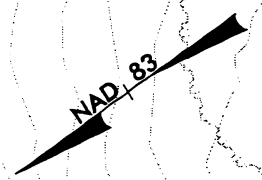
9/30/2004
 R:\01056065\Plan\permits\buffer\2552\as_buff\10.dwg



PROJECT REFERENCE NO. R-2552B	SHEET NO. 24
RW SHEET NO.	
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	



 DENOTES MITIGABLE BUFFER IMPACTS ZONE 1
 DENOTES MITIGABLE IMPACTS BUFFER ZONE 2



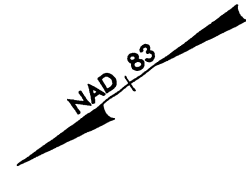
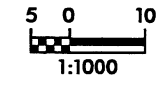
BUFFER PERMIT SITE 12

NOTE:
MAN MADE POND
DRAIN & REMOVE
BERM TO
RETURN TO
NATURAL
CONDITIONS

9/23/2004 r:\0105665\plan\permits\buffer\2552Bs_buffer1.pst

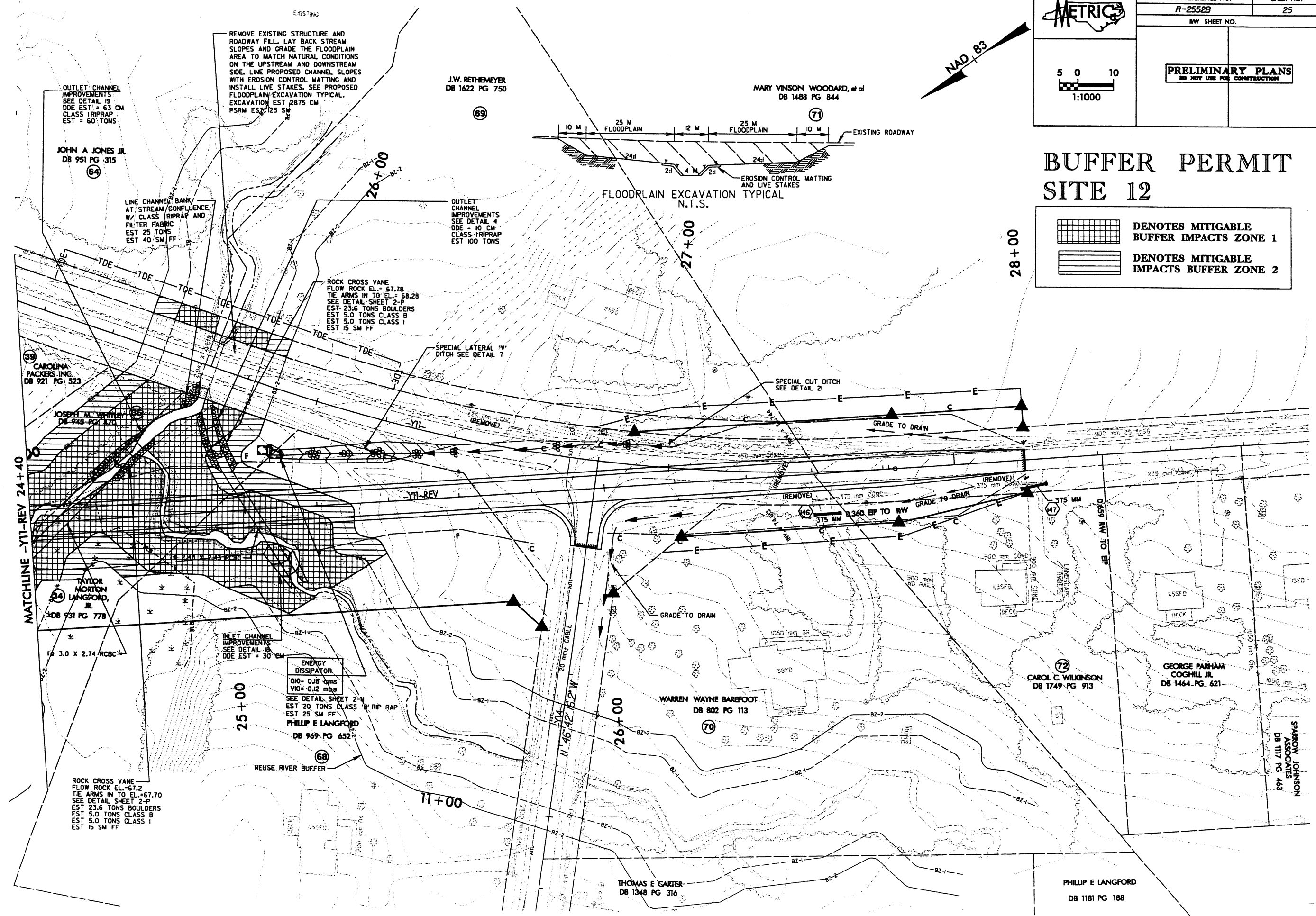


PROJECT REFERENCE NO. R-2552B	SHEET NO. 25
RW SHEET NO.	
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	



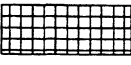
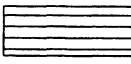
BUFFER PERMIT SITE 12


	DENOTES MITIGABLE BUFFER IMPACTS ZONE 1
	DENOTES MITIGABLE IMPACTS BUFFER ZONE 2



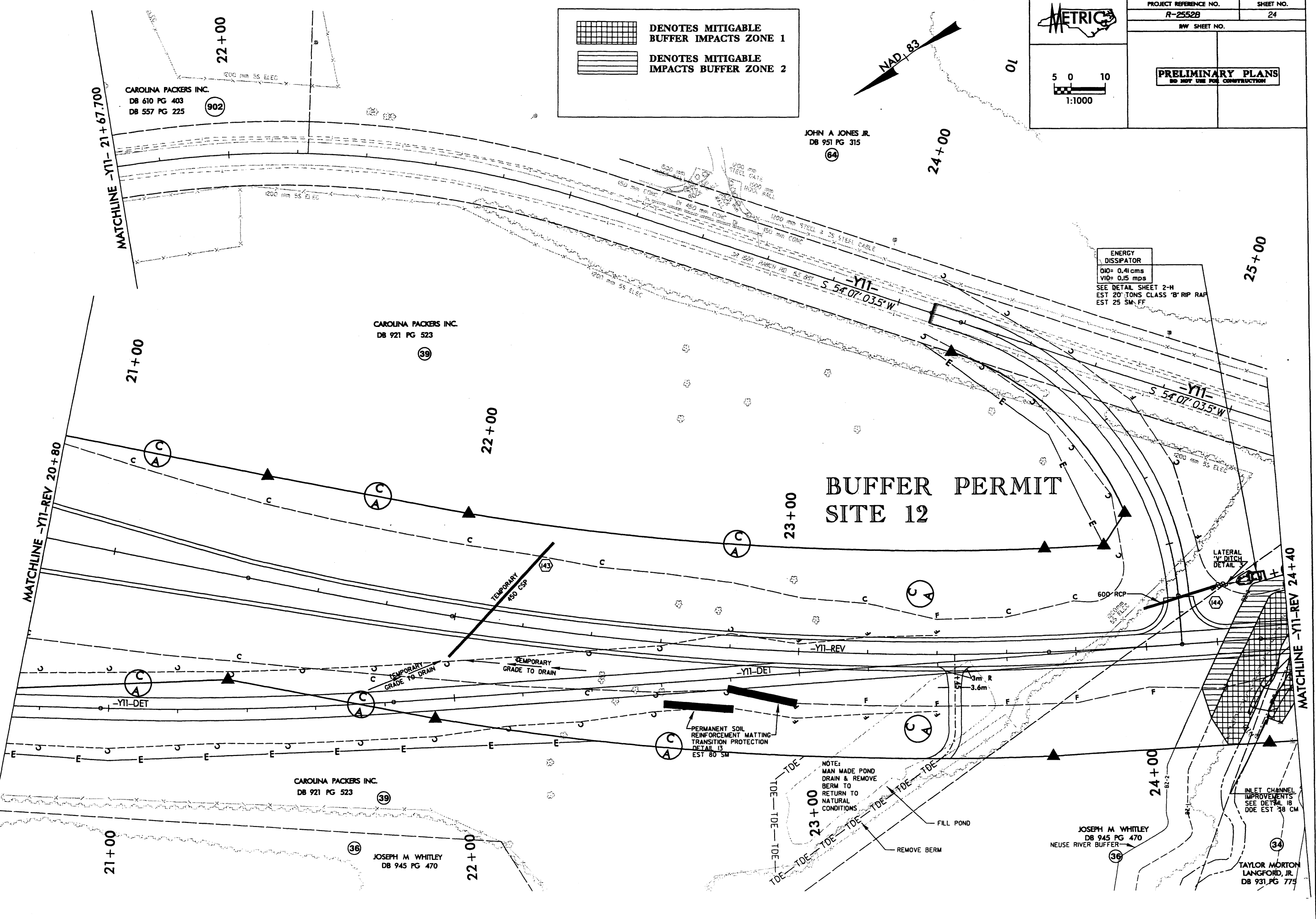
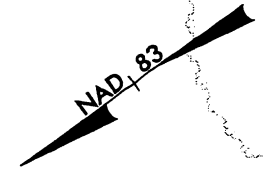
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9/24/2004

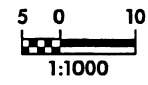
	DENOTES MITIGABLE BUFFER IMPACTS ZONE 1
	DENOTES MITIGABLE IMPACTS BUFFER ZONE 2



5 0 10
1:1000



9/24/2004 r:\0105065\plan\permits\buffer\2552b\buffer\ash



PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

BUFFER PERMIT SITE 12

	DENOTES MITIGABLE BUFFER IMPACTS ZONE 1
	DENOTES MITIGABLE IMPACTS BUFFER ZONE 2

9/24/2004 r:\01056065\plan\permits\buffer\2552bs_buffer12.dwg

