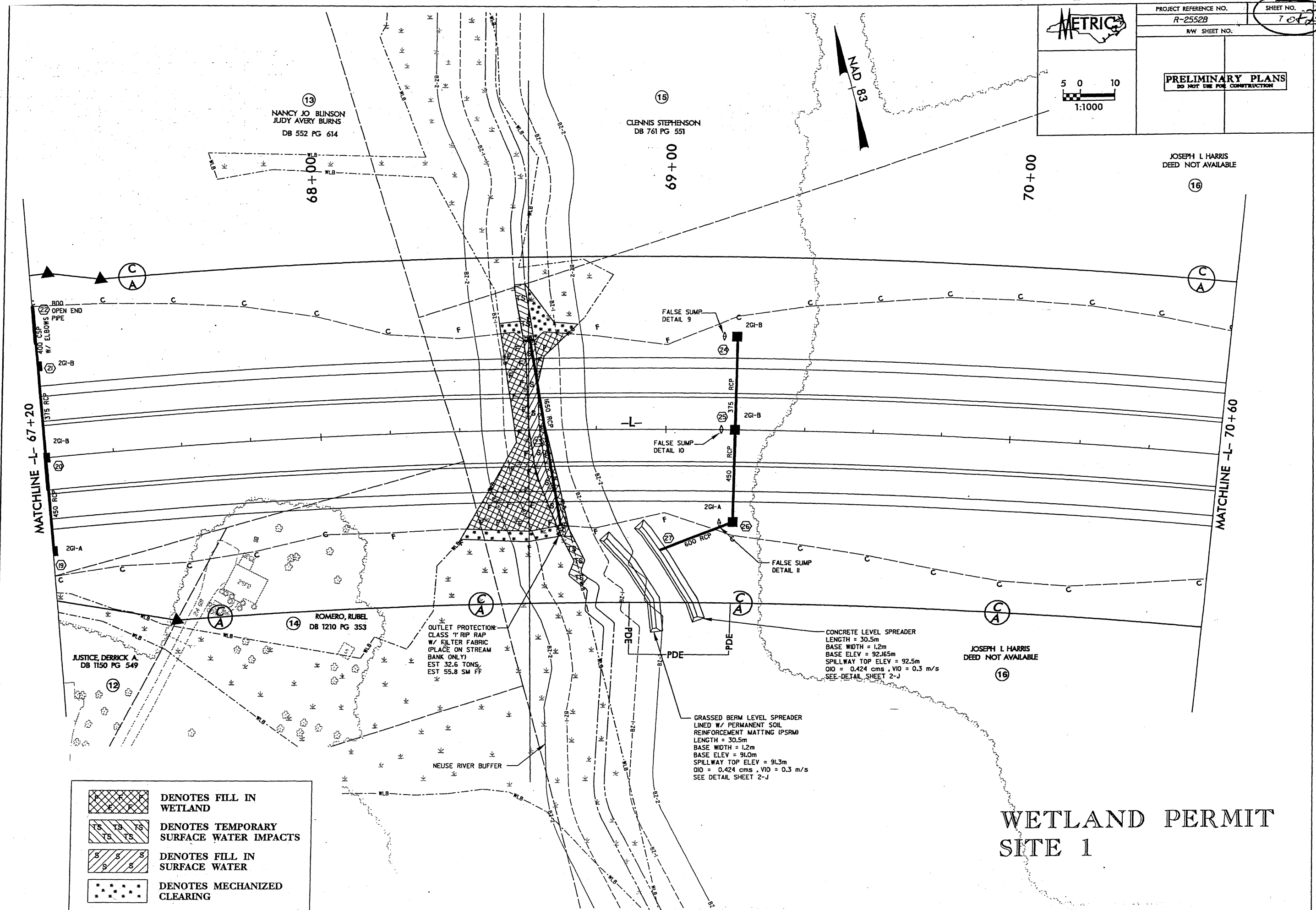


PROJECT REFERENCE NO. R-2552B SHEET NO. 7 of 23

RAW SHEET NO.

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

5 0 10
1:1000



	DENOTES FILL IN WETLAND
	DENOTES TEMPORARY SURFACE WATER IMPACTS
	DENOTES FILL IN SURFACE WATER
	DENOTES MECHANIZED CLEARING

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

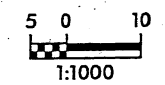
NEUSE RIVER BUFFER

R-0105065VPlanPermitsWetlandV2552B-WETLAND01.PSH 9/23/2004

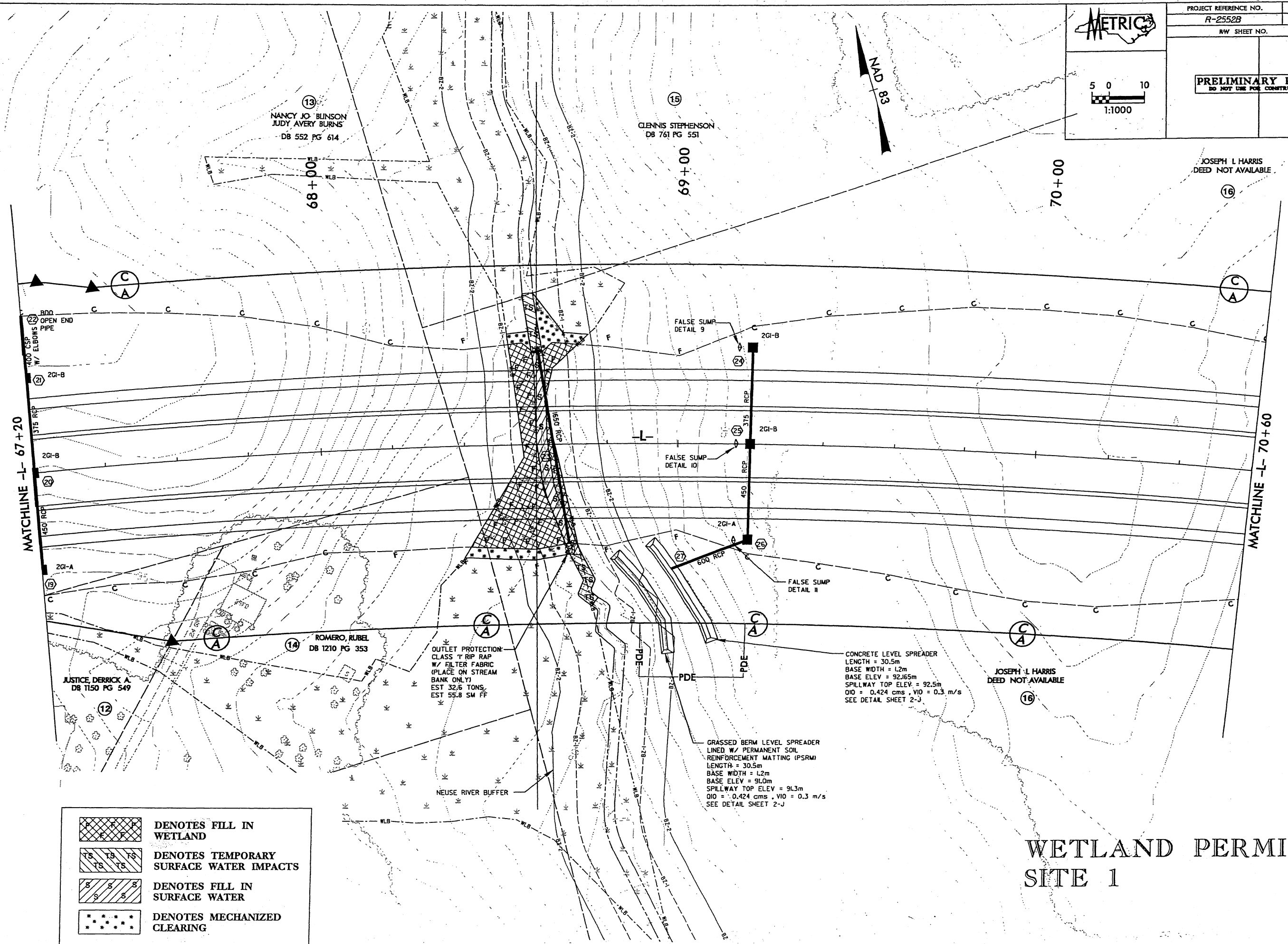
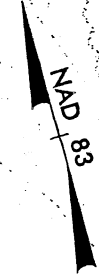
WETLAND PERMIT SITE 1



PROJECT REFERENCE NO. R-2552B
 SHEET NO. 74 of 93
 RW SHEET NO.



PRELIMINARY PLANS
 DO NOT USE FOR CONSTRUCTION



	DENOTES FILL IN WETLAND
	DENOTES TEMPORARY SURFACE WATER IMPACTS
	DENOTES FILL IN SURFACE WATER
	DENOTES MECHANIZED CLEARING

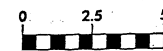
OUTLET PROTECTION:
 CLASS 1 RIP RAP
 W/ FILTER FABRIC
 (PLACE ON STREAM
 BANK ONLY)
 EST 32.6 TONS,
 EST 55.8 SM FF

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

WETLAND PERMIT SITE 1

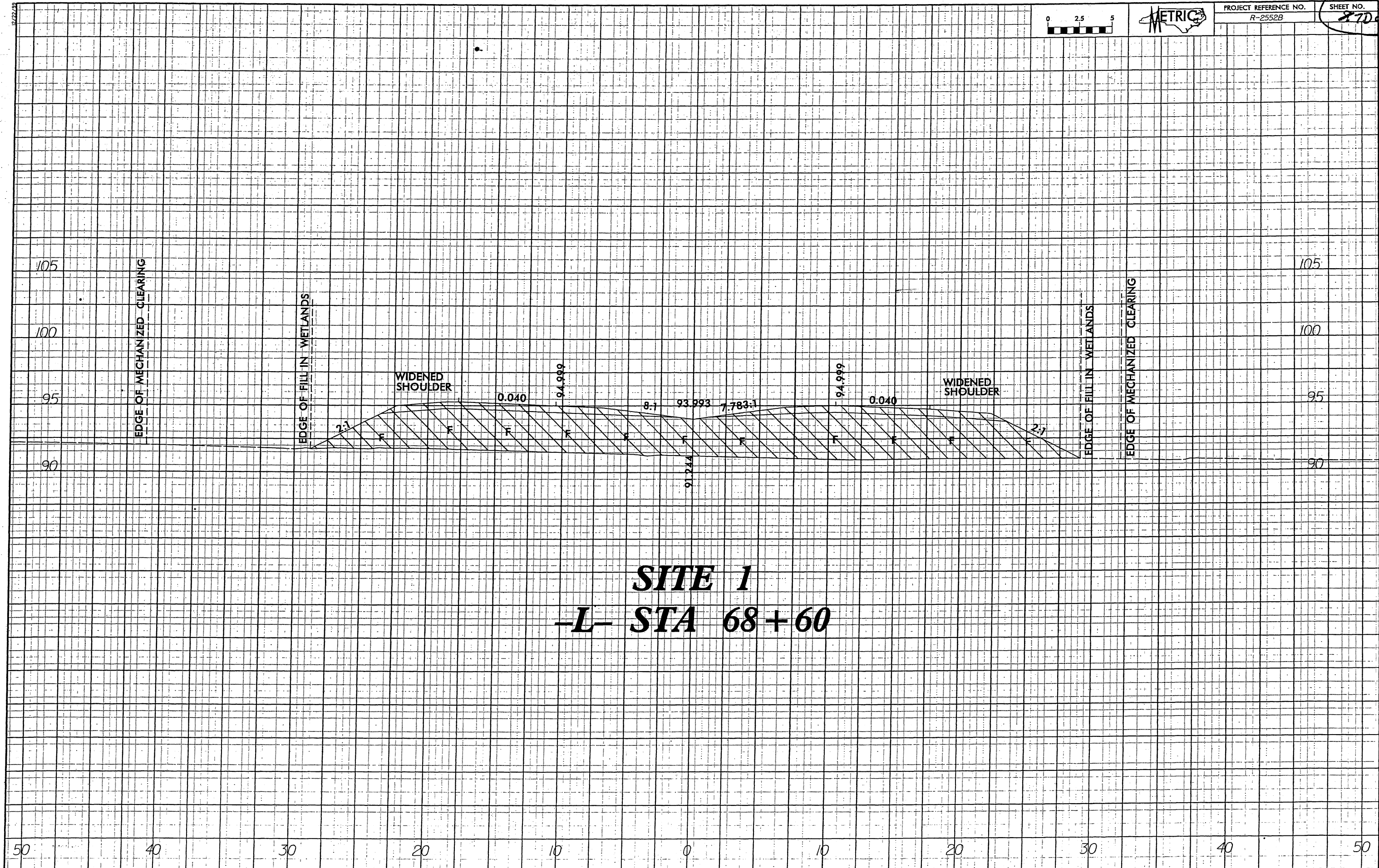
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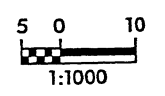
PROJECT REFERENCE NO.
R-2552B

SHEET NO.

270 of 33

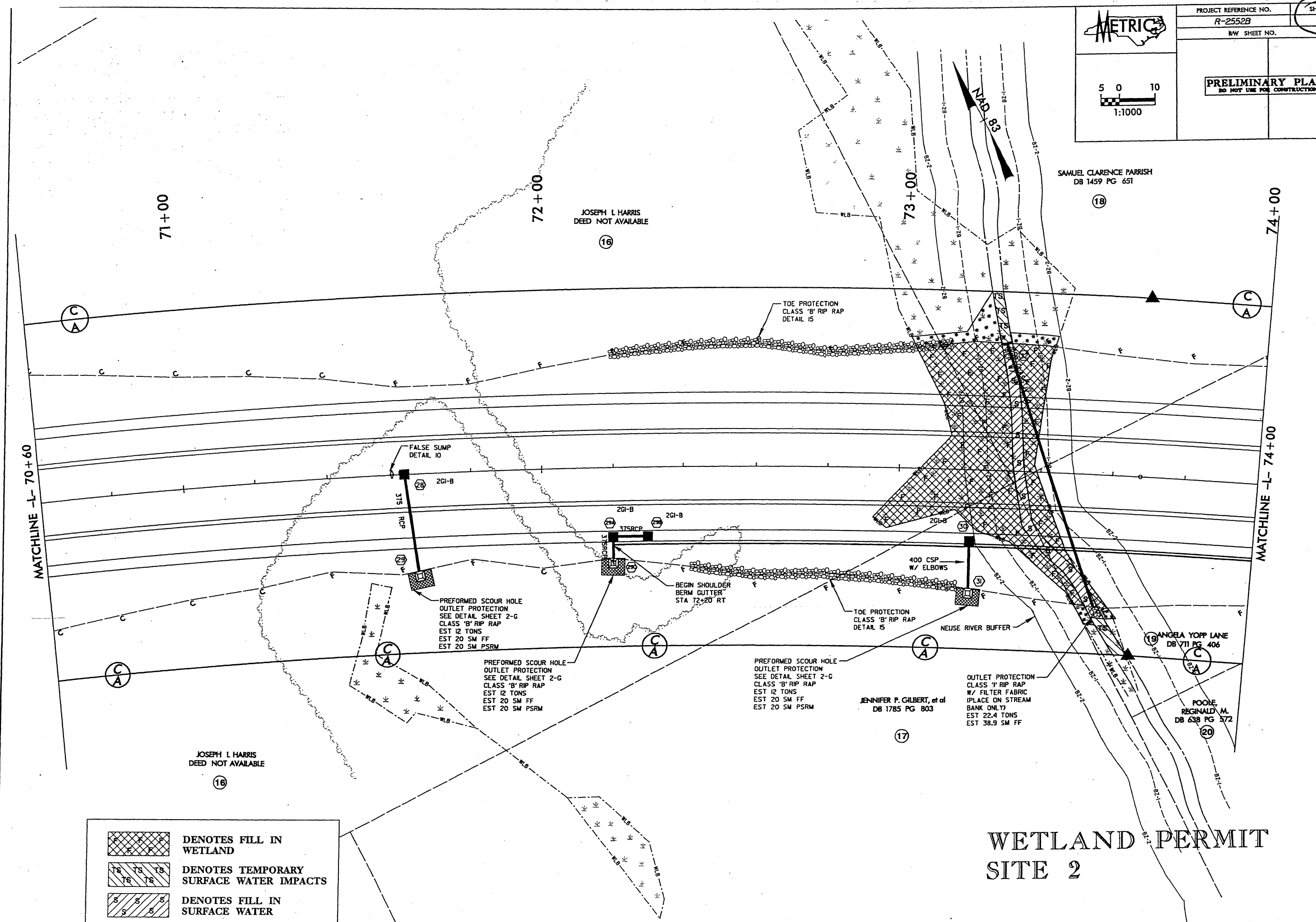


SITE 1
-L- STA 68+60



PRELIMINARY PLANS
 DO NOT USE FOR CONSTRUCTION

SAMUEL CLARENCE PARRISH
 DB 1459 PG 651



	DENOTES FILL IN WETLAND
	DENOTES TEMPORARY SURFACE WATER IMPACTS
	DENOTES FILL IN SURFACE WATER
	DENOTES MECHANIZED CLEARING

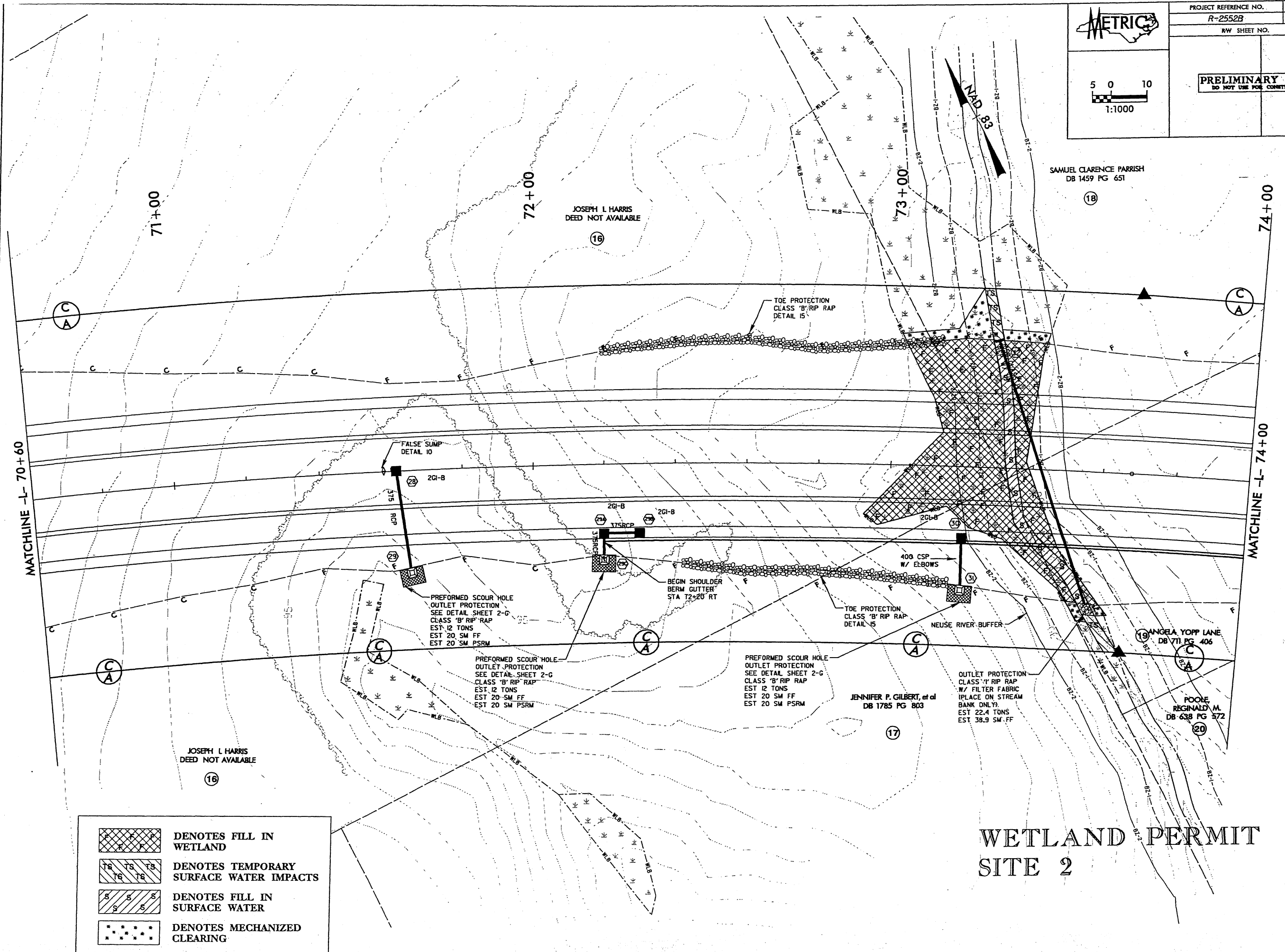
WETLAND PERMIT SITE 2

METRIC

PROJECT REFERENCE NO. R-2552B
 SHEET NO. 8 of 23
 RW SHEET NO.

PRELIMINARY PLANS
 DO NOT USE FOR CONSTRUCTION

5 0 10
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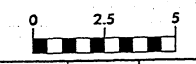


	DENOTES FILL IN WETLAND
	DENOTES TEMPORARY SURFACE WATER IMPACTS
	DENOTES FILL IN SURFACE WATER
	DENOTES MECHANIZED CLEARING

WETLAND PERMIT SITE 2

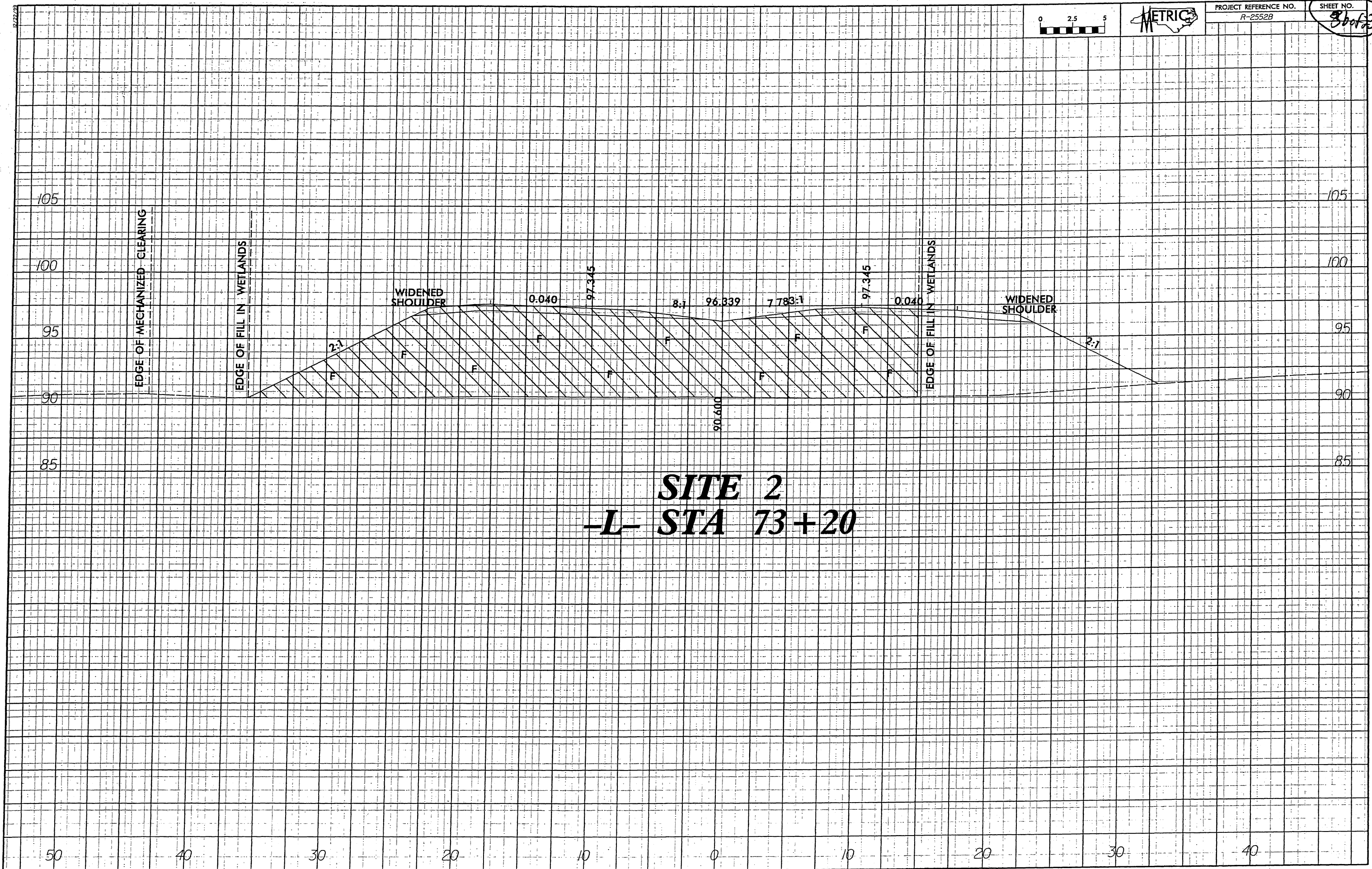
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 9/24/2004

12/22/98



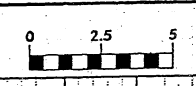
PROJECT REFERENCE NO.
R-2552B

SHEET NO.
3 of 3



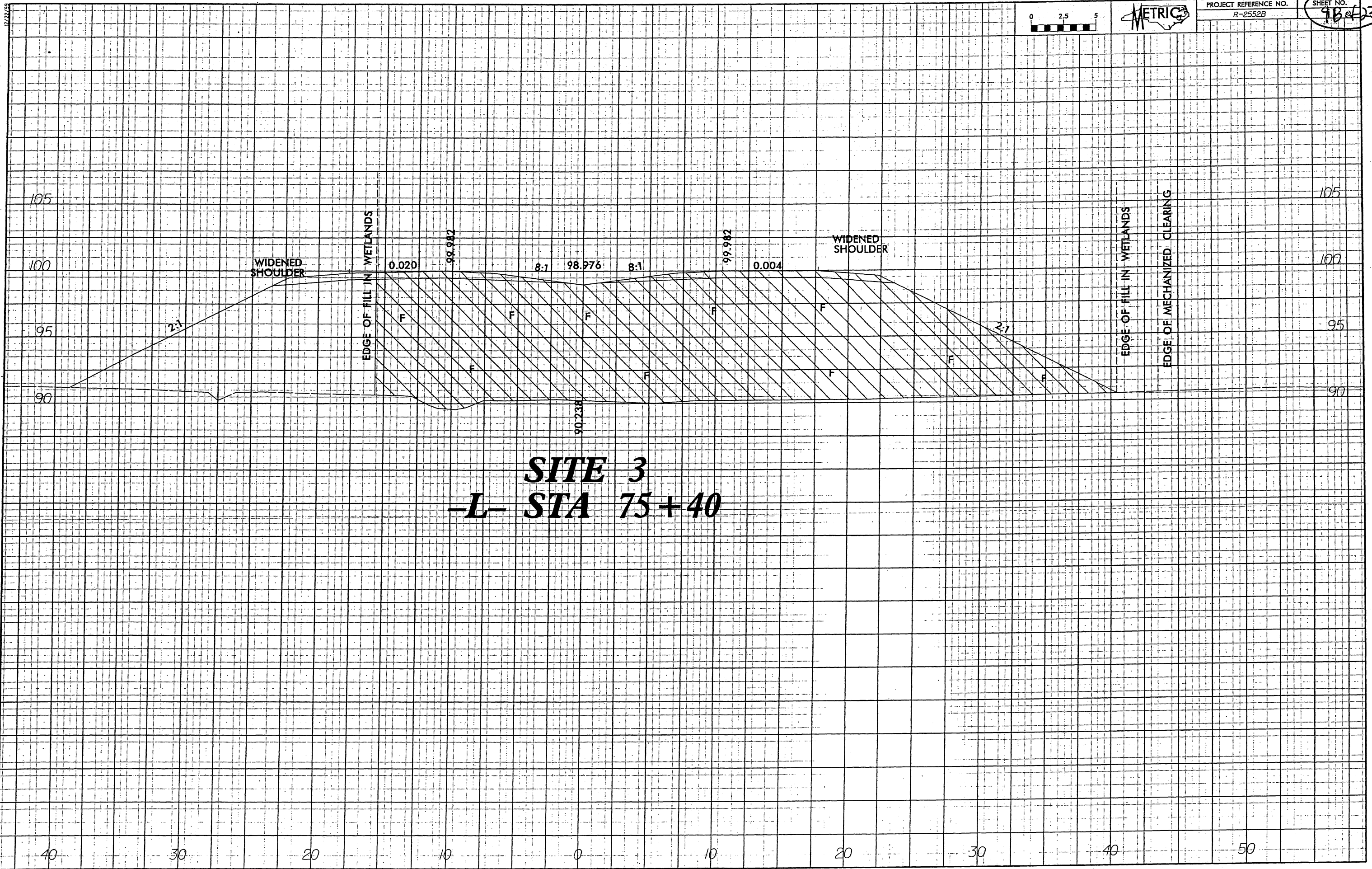
SITE 2
-L- STA 73+20

12/27/99

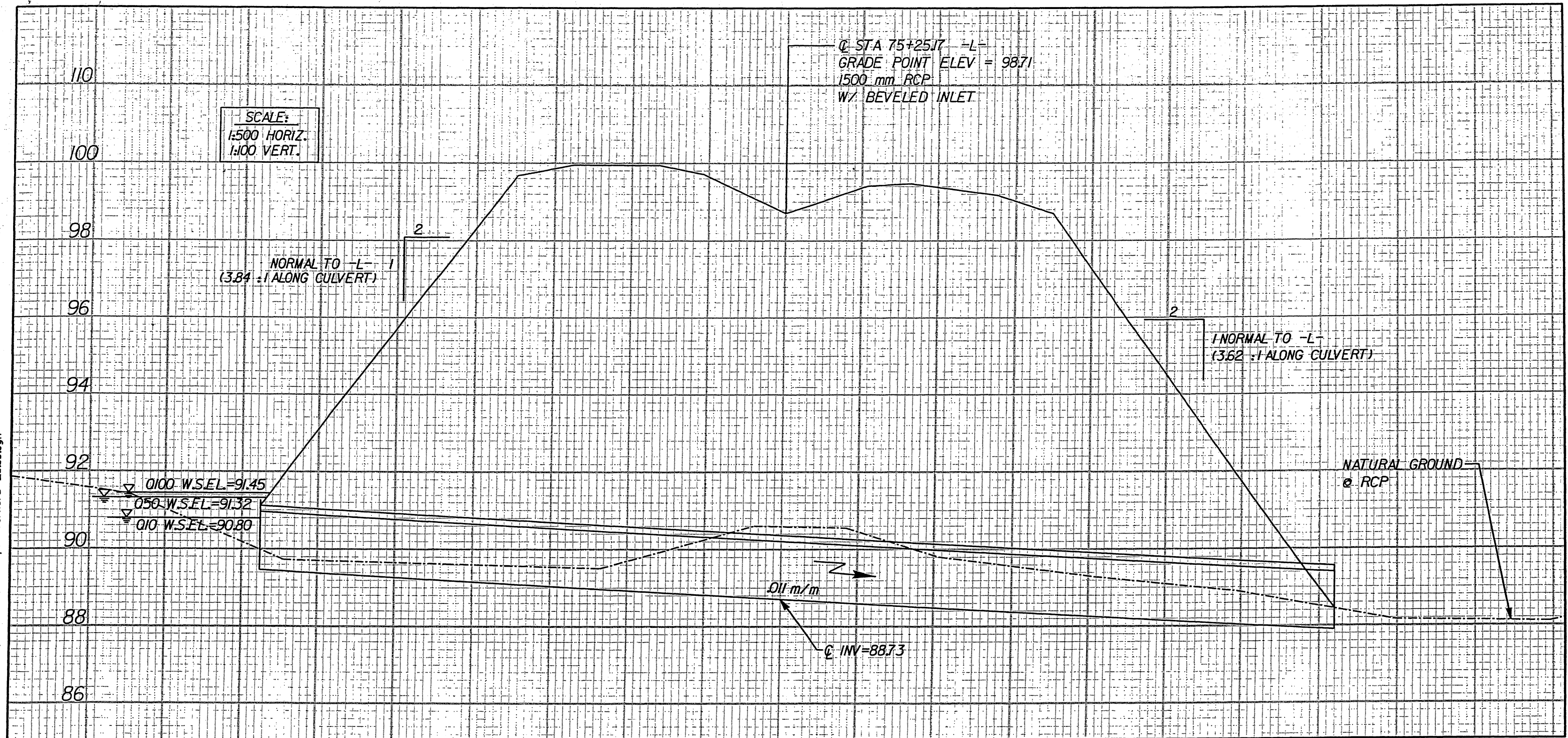


PROJECT REFERENCE NO.
R-2552B

SHEET NO.
9B-43



SITE 3
-L- STA 75+40



WETLAND PERMIT DRAWING
PROFILE of 1500mm RCP at 75+25 -L-
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 9 OF 23

9/16/2004

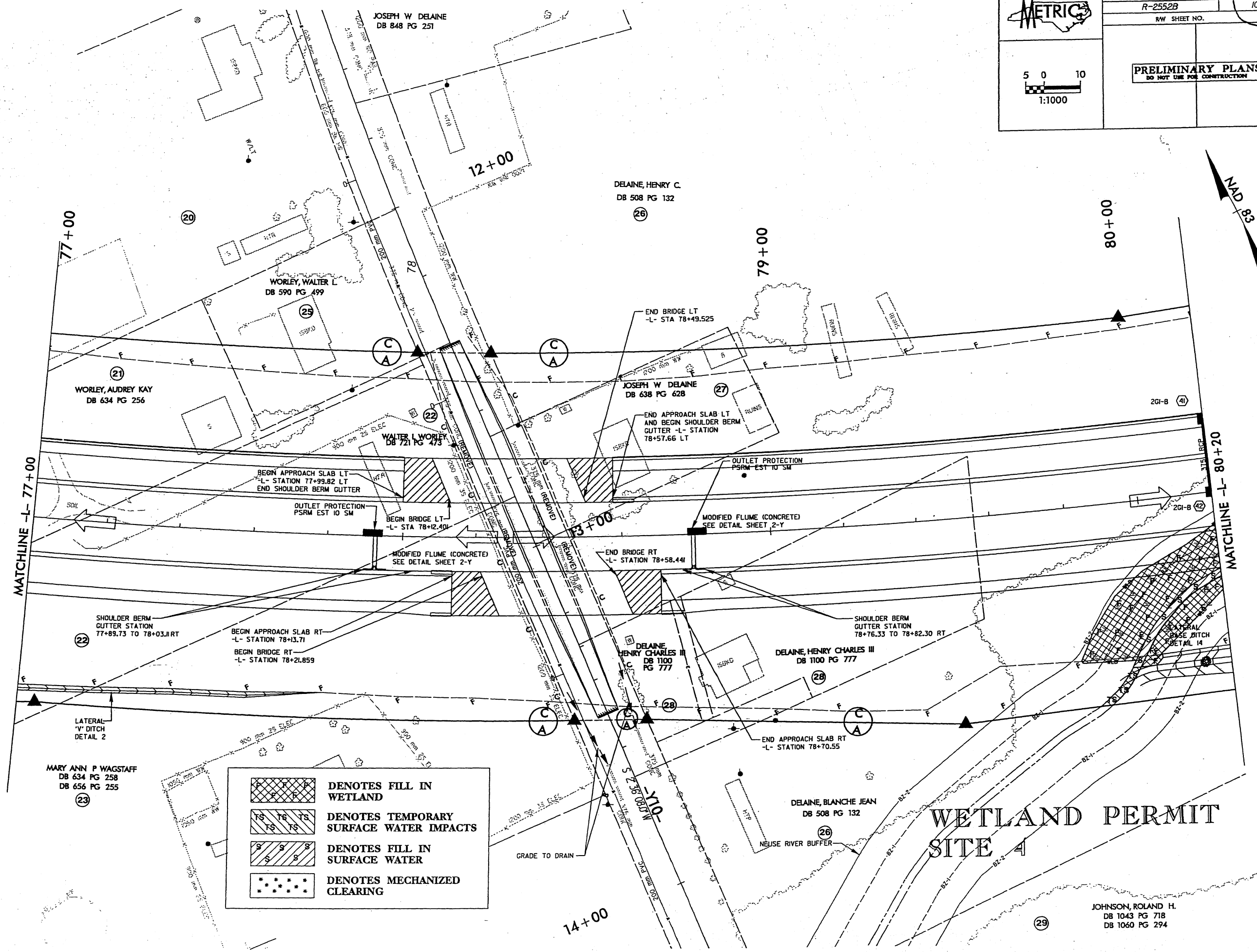
METRICS

PROJECT REFERENCE NO. R-2552B
 SHEET NO. 10 of 23
 RW SHEET NO.

PRELIMINARY PLANS
 DO NOT USE FOR CONSTRUCTION

5 0 10
 1:1000

NAD 83



	DENOTES FILL IN WETLAND
	DENOTES TEMPORARY SURFACE WATER IMPACTS
	DENOTES FILL IN SURFACE WATER
	DENOTES MECHANIZED CLEARING

WETLAND PERMIT SITE 4

9/23/2004
 R:\01056065\Plan\permits\wetland\2552bs_WETLAN004.PSH

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

METRIC

PROJECT REFERENCE NO. R-2552B

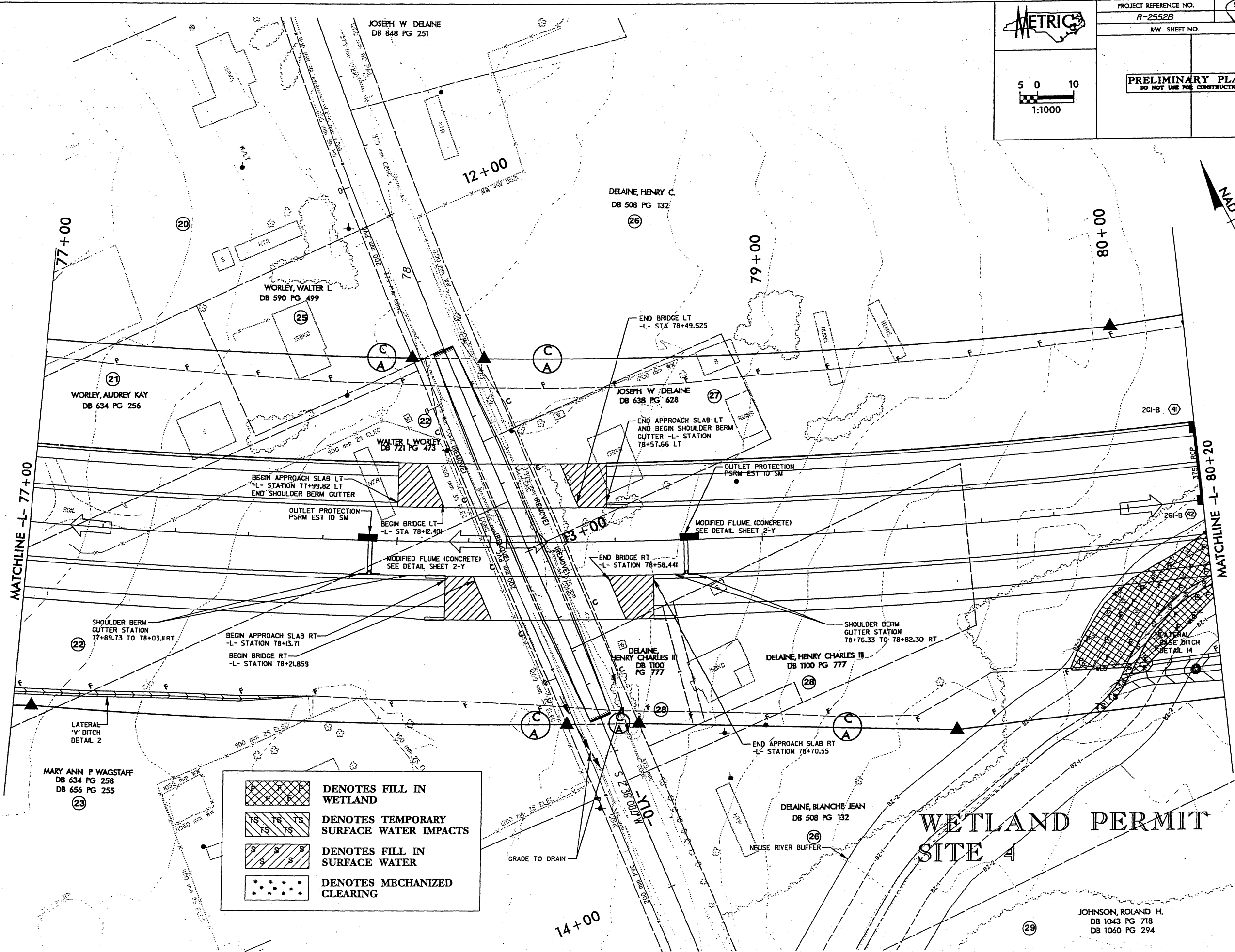
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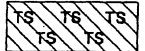
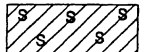
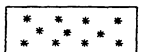
R/W SHEET NO.

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

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NAD 83



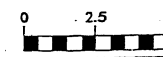
-  DENOTES FILL IN WETLAND
-  DENOTES TEMPORARY SURFACE WATER IMPACTS
-  DENOTES FILL IN SURFACE WATER
-  DENOTES MECHANIZED CLEARING

WETLAND PERMIT SITE 4

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

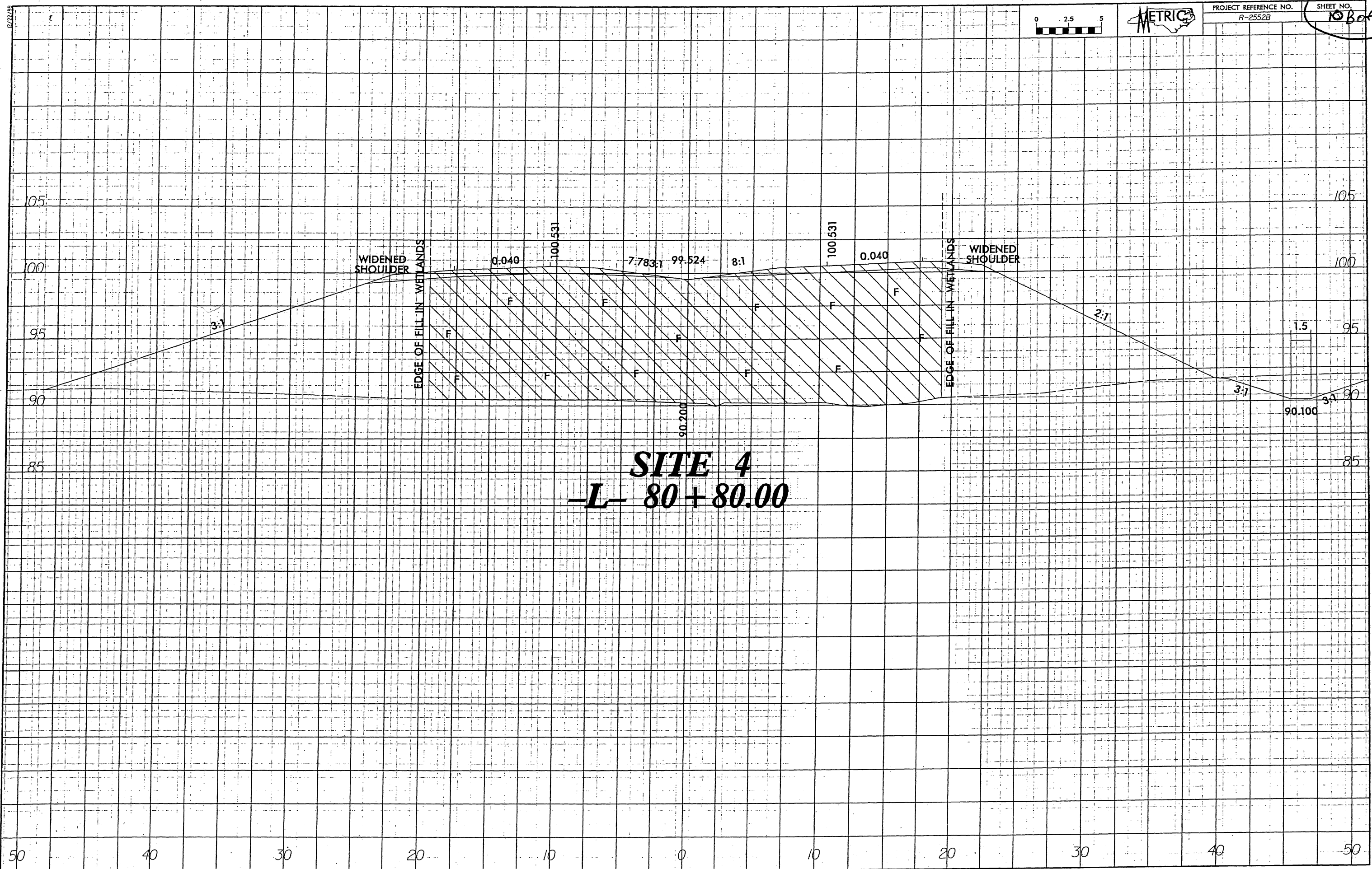
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12/22/89



PROJECT REFERENCE NO.
R-2552B

SHEET NO.
108 of 23



WIDENED SHOULDER

EDGE OF FILL IN WETLANDS

0.040

100.531

7.783

99.524

8:1

100.531

0.040

EDGE OF FILL IN WETLANDS

WIDENED SHOULDER

2:1

1.5

100

95

90

85

SITE 4
-L- 80 + 80.00

50 40 30 20 10 0 10 20 30 40 50

	DENOTES FILL IN WETLAND
	DENOTES TEMPORARY SURFACE WATER IMPACTS
	DENOTES FILL IN SURFACE WATER
	DENOTES EXCAVATION IN WETLAND
	DENOTES MECHANIZED CLEARING

METRIC

PROJECT REFERENCE NO. R-2552B

SHEET NO. 11 of 13

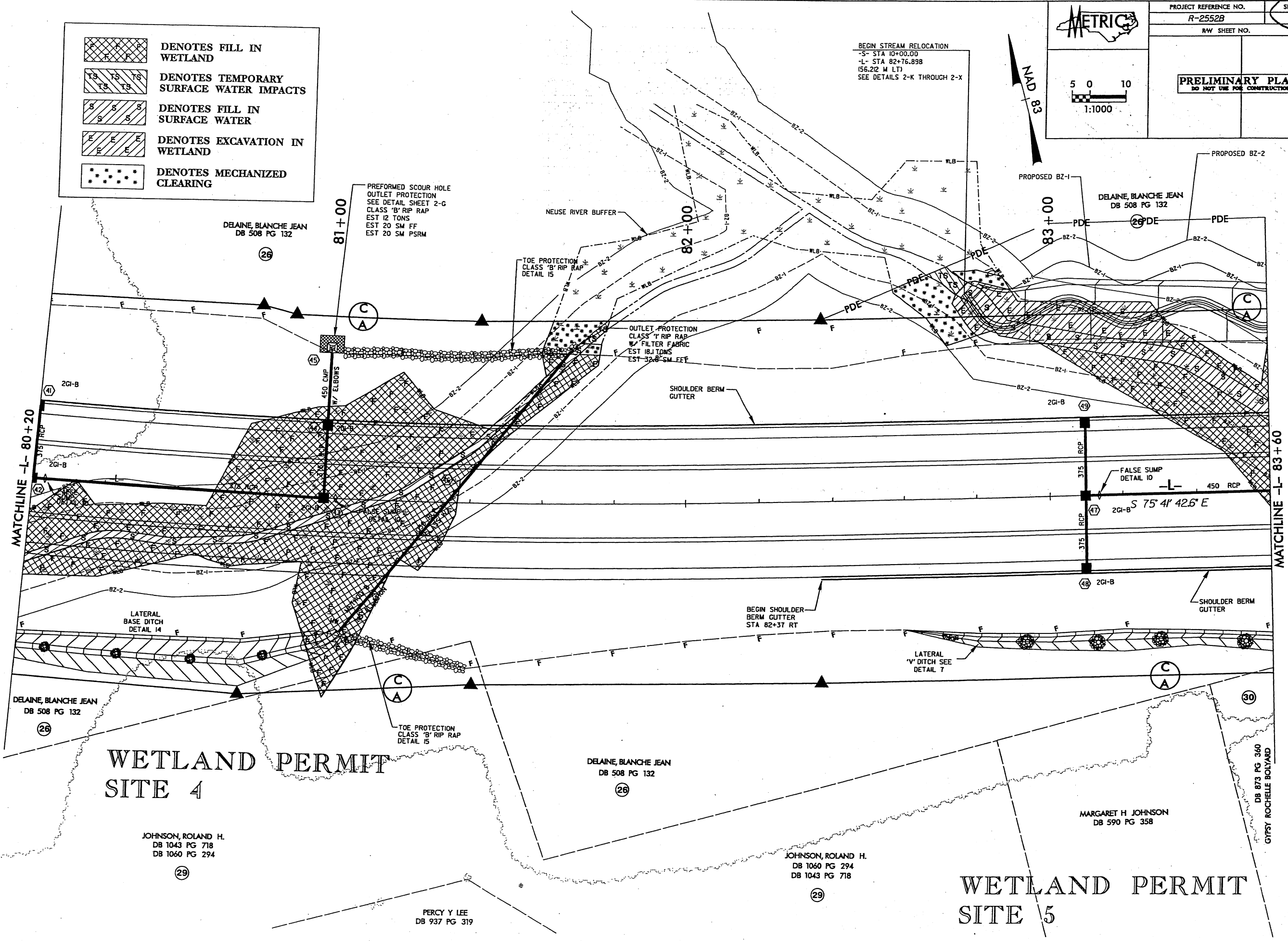
R/W SHEET NO.

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

Scale: 1:1000

NAD 83

BEGIN STREAM RELOCATION
 -S- STA 10+00.00
 -L- STA 82+76.898
 (56.212 M LT)
 SEE DETAILS 2-K THROUGH 2-X



WETLAND PERMIT SITE 4

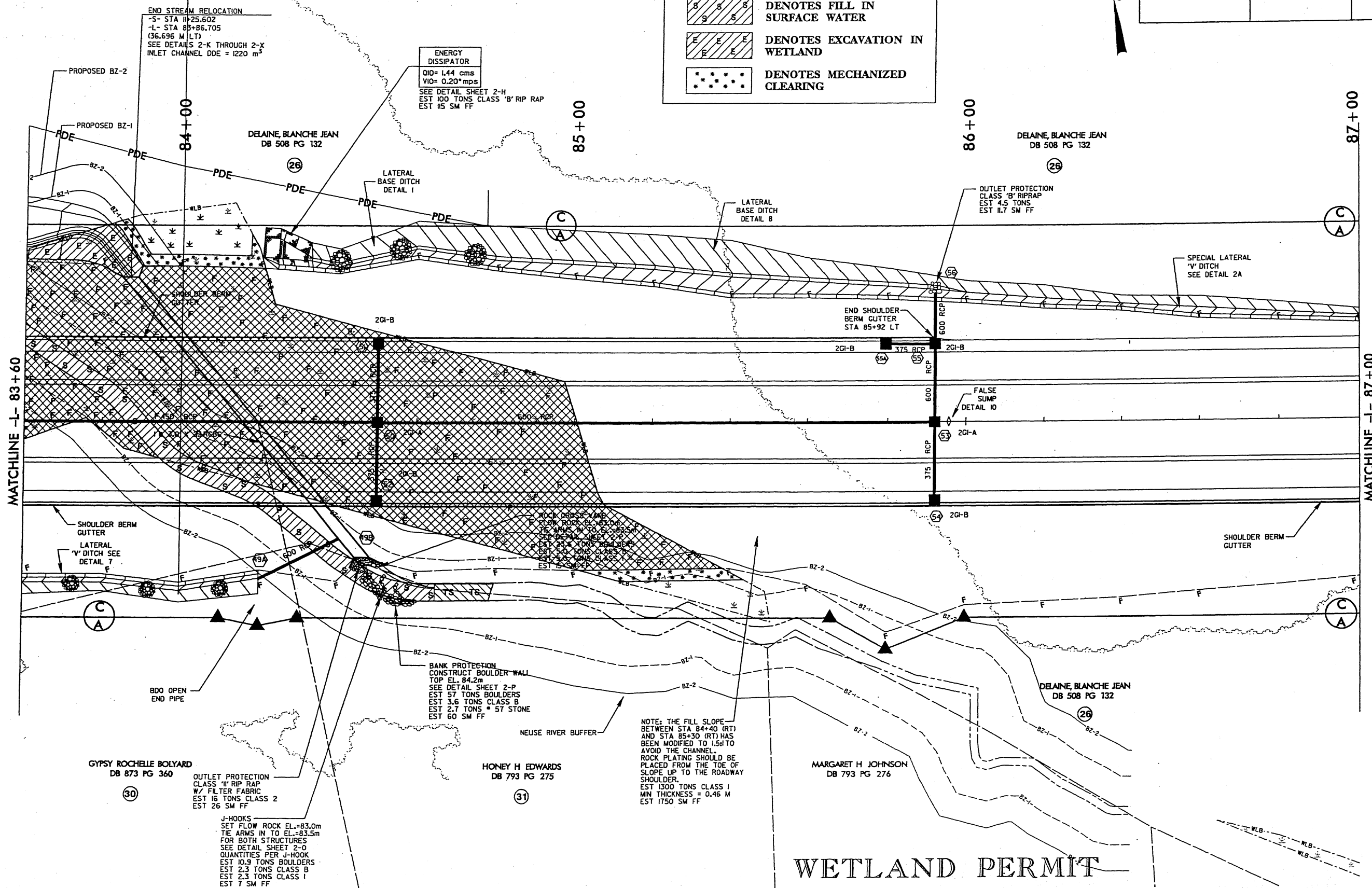
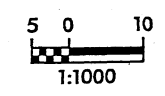
WETLAND PERMIT SITE 5

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9/24/2004

LEGEND

- DENOTES FILL IN WETLAND
- DENOTES TEMPORARY SURFACE WATER IMPACTS
- DENOTES FILL IN SURFACE WATER
- DENOTES EXCAVATION IN WETLAND
- DENOTES MECHANIZED CLEARING



NOTES: THE FILL SLOPE BETWEEN STA. 84+40 (RT) AND STA. 85+30 (RT) HAS BEEN MODIFIED TO 1.5:1 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

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 * 5T STONE
 EST 60 SM FF

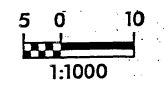
OUTLET PROTECTION
 CLASS "H" RIP RAP
 W/ FILTER FABRIC
 EST 16 TONS CLASS 2
 EST 26 SM FF

BDO OPEN
 END PIPE

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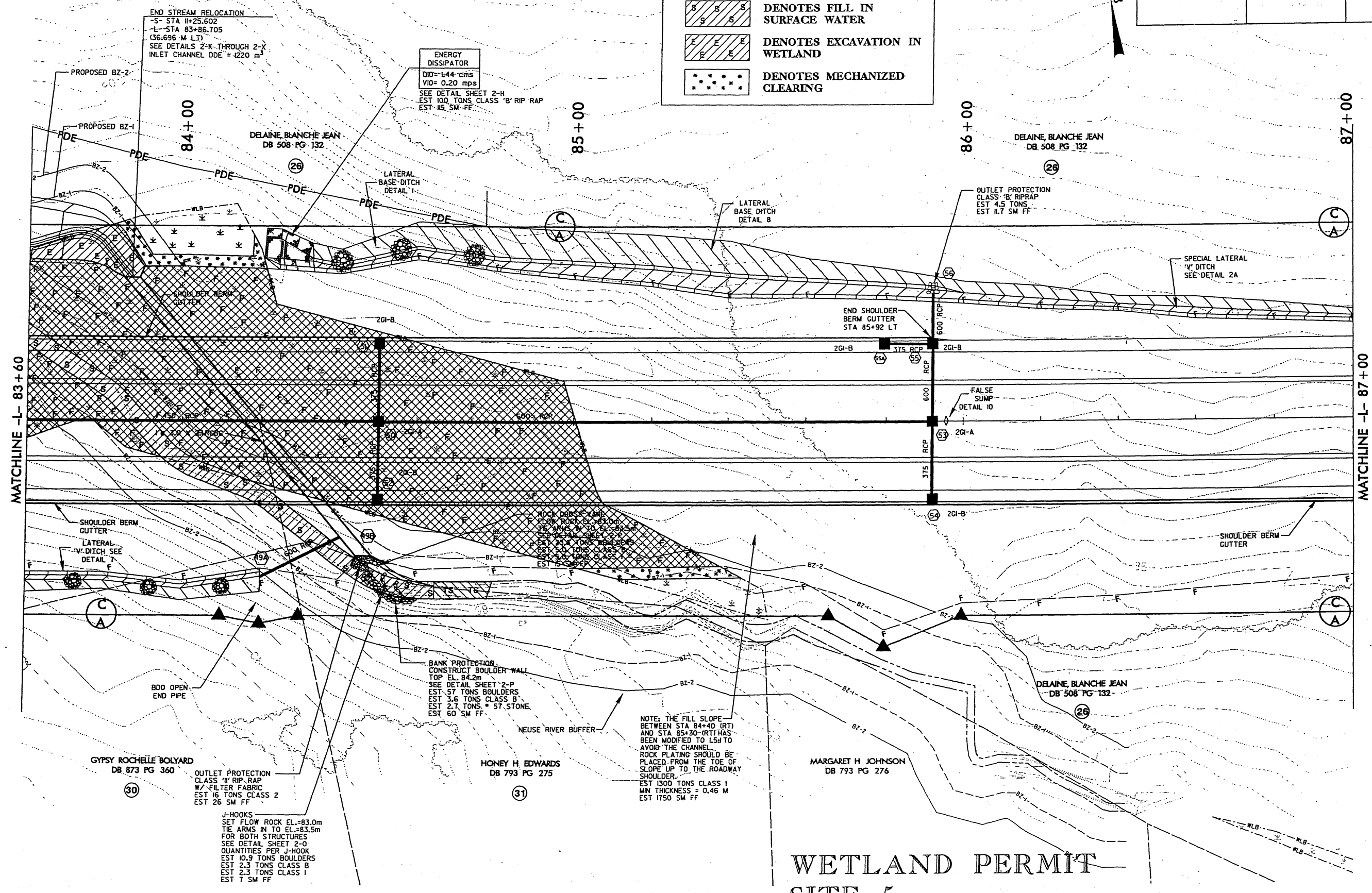
9/23/2004

WETLAND PERMIT SITE 5



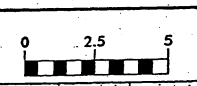
PRELIMINARY PLANS
 DO NOT USE FOR CONSTRUCTION

	DENOTES FILL IN WETLAND
	DENOTES TEMPORARY SURFACE WATER IMPACTS
	DENOTES FILL IN SURFACE WATER
	DENOTES EXCAVATION IN WETLAND
	DENOTES MECHANIZED CLEARING



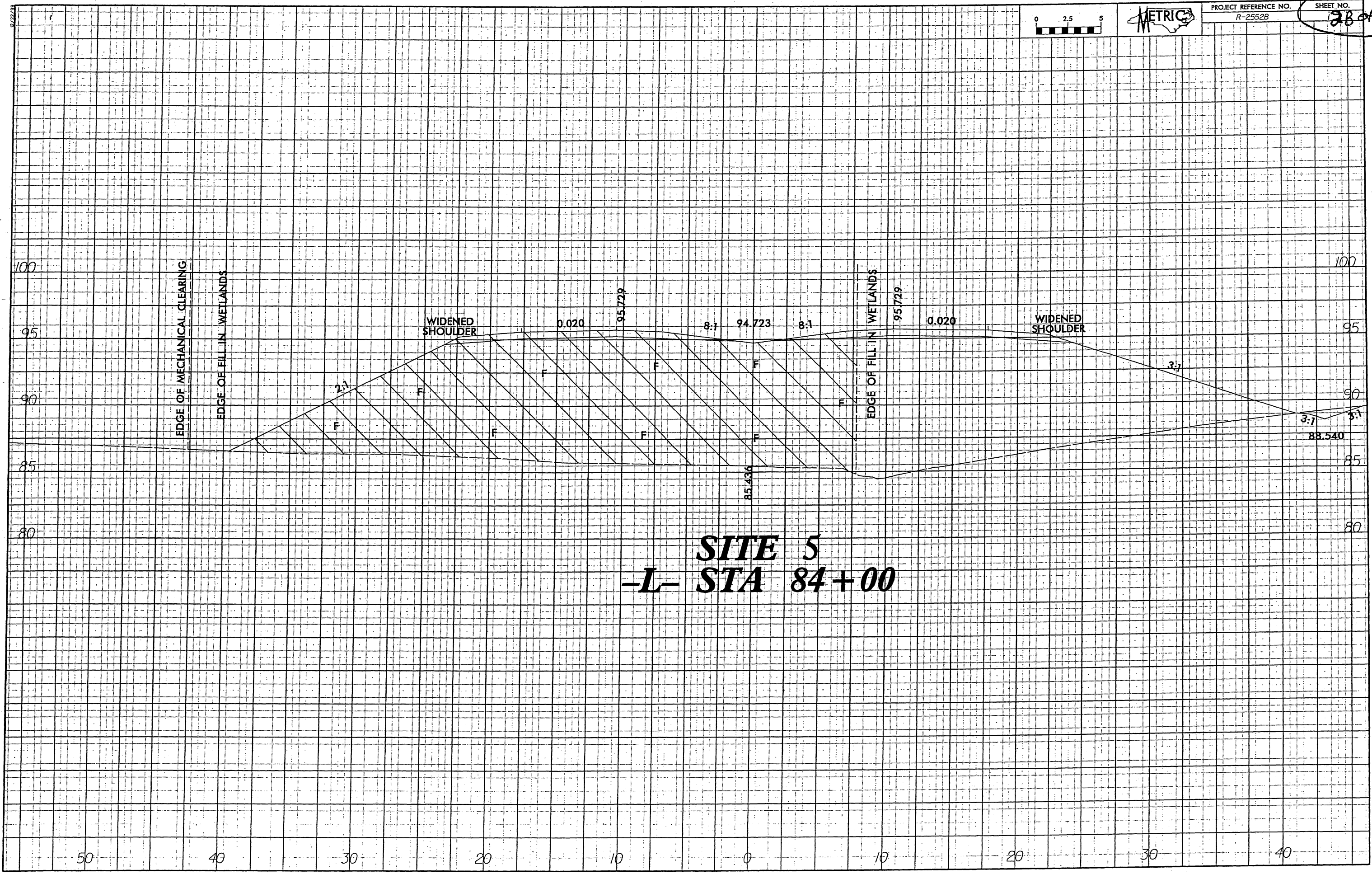
WETLAND PERMIT SITE 5

9/24/2004
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PROJECT REFERENCE NO.
R-2552B

SHEET NO.
28 of 23



SITE 5
-L- STA 84+00

50 40 30 20 10 0 10 20 30 40

NOTE: THERE ARE NO STRUCTURES UPSTREAM THAT WILL BE AFFECTED BY THE PROPOSED CULVERT

SCALE:
1:500 HORIZ.
1:100 VERT.

CL STA 84+75.00 -L-
GRADE POINT ELEV = 94.461
1 @ 3.0m x 2.1m RCBC
W/ BEVELED INLET
SKEW = 50°00'

NORMAL TO -L- 1

1 NORMAL TO -L-

TOP OF BANK (BANKFULL)
SEE STREAM RESTORATION
PLANS AND CROSS SECTIONS
FOR MORE DETAIL

NOTE: THE FILL SLOPE BETWEEN STA 84+40 (RT) AND STA 85+30 (RT) HAS BEEN MODIFIED TO 15:1 TO AVOID THE CHANNEL. ROCK PLATING SHOULD BE PLACED FROM THE TOE OF SLOPE UP TO THE ROADWAY SHOULDER. EST 1300 TONS CLASS 1 MIN THICKNESS = 10.46M EST 1750 SM FF

Q100 W.S.E.L. = 87.46
Q50 W.S.E.L. = 87.26
Q10 W.S.E.L. = 86.58

600 mm RCP TIED INTO CULVERT AT STA 84+40.47
OFFSET 29.7' RT
INV EL = 83.5

NORMAL W.S.E.L. = 85.4

NATURAL GROUND @ RCBC

PROP. LT & RT TOP OF BANK

0.25 m/m

CL INV = 83.83

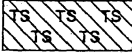
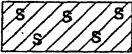
PROP. STREAM BED


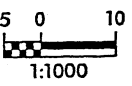
PROP. STREAM RELOCATION GROUND PROFILE

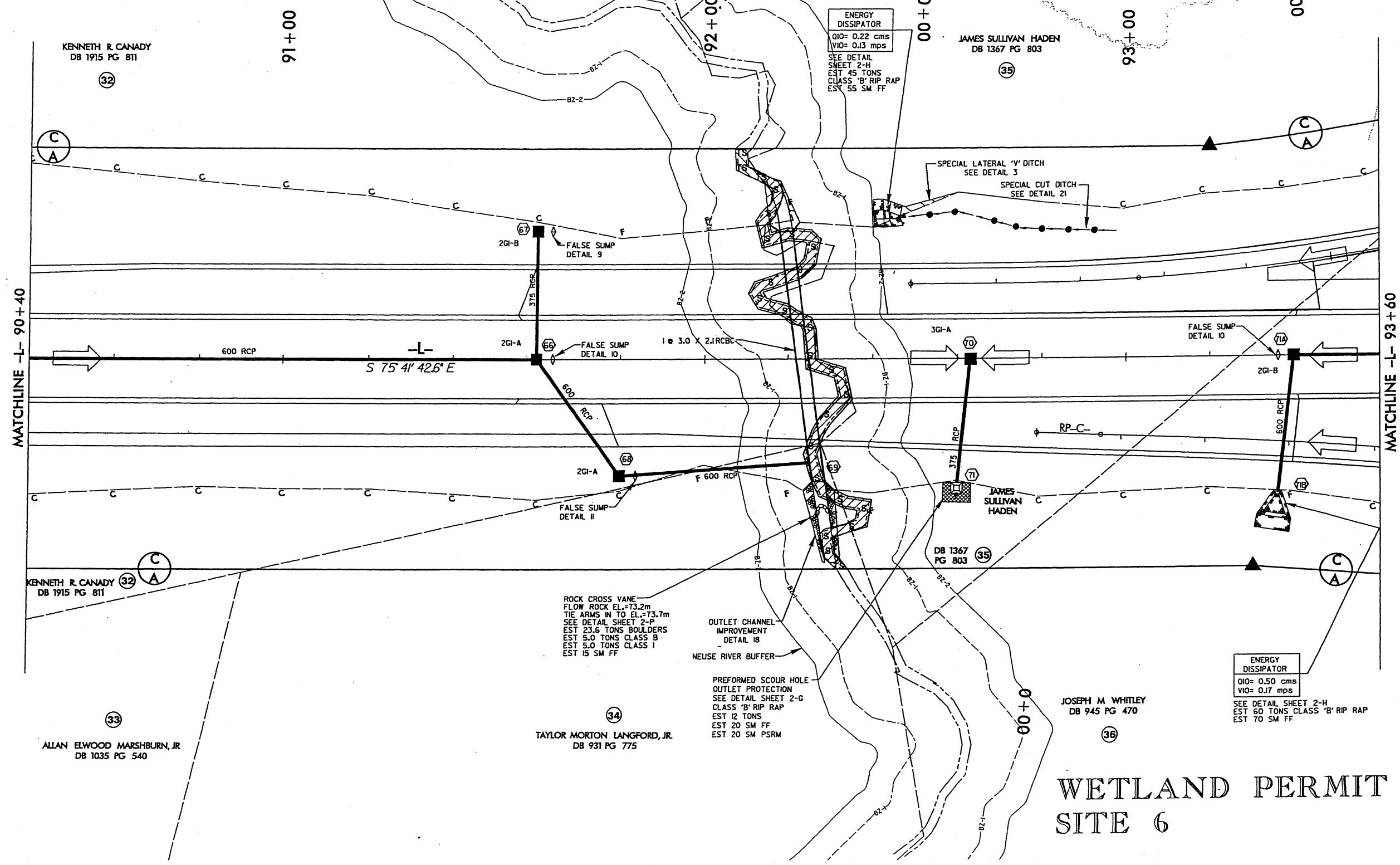
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WETLAND PERMIT DRAWING
CSR 1 of 4 PROFILE
R-2552B

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 12 OF 23 9/16/2004

 DENOTES TEMPORARY SURFACE WATER IMPACTS
 DENOTES FILL IN SURFACE WATER

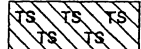
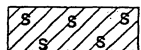
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	RAW SHEET NO.	
	PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	


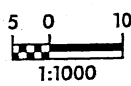


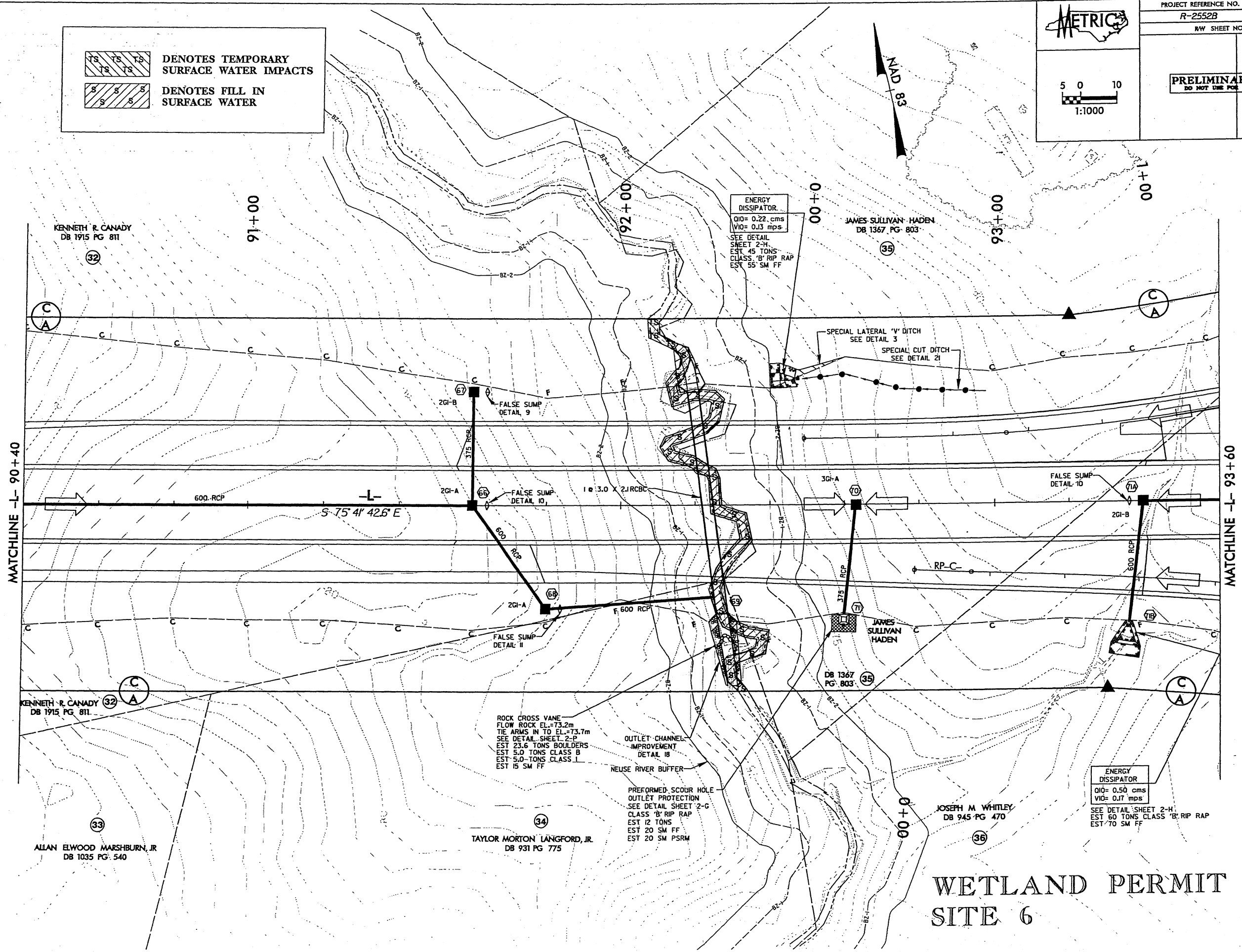
WETLAND PERMIT SITE 6

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9/23/2004


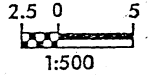
 DENOTES TEMPORARY SURFACE WATER IMPACTS
 DENOTES FILL IN SURFACE WATER

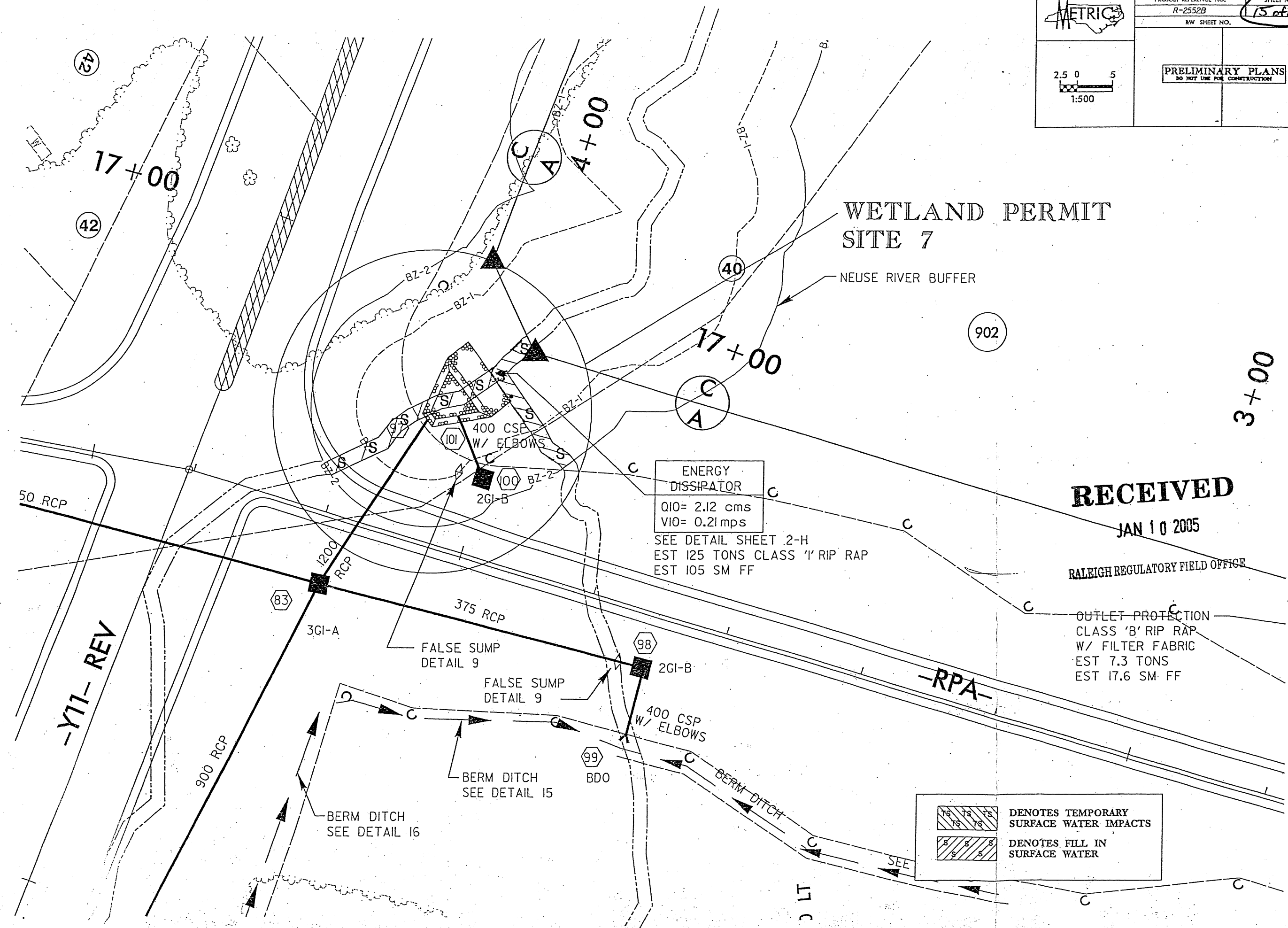
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	RW SHEET NO.	
		
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION		



WETLAND PERMIT SITE 6

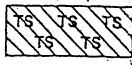
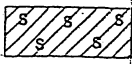
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	PROJECT REFERENCE NO.	SHEET NO.
	R-2552B	15 of 23
		PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION




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

RECEIVED
 JAN 10 2005
 RALEIGH REGULATORY FIELD OFFICE

	DENOTES TEMPORARY SURFACE WATER IMPACTS
	DENOTES FILL IN SURFACE WATER

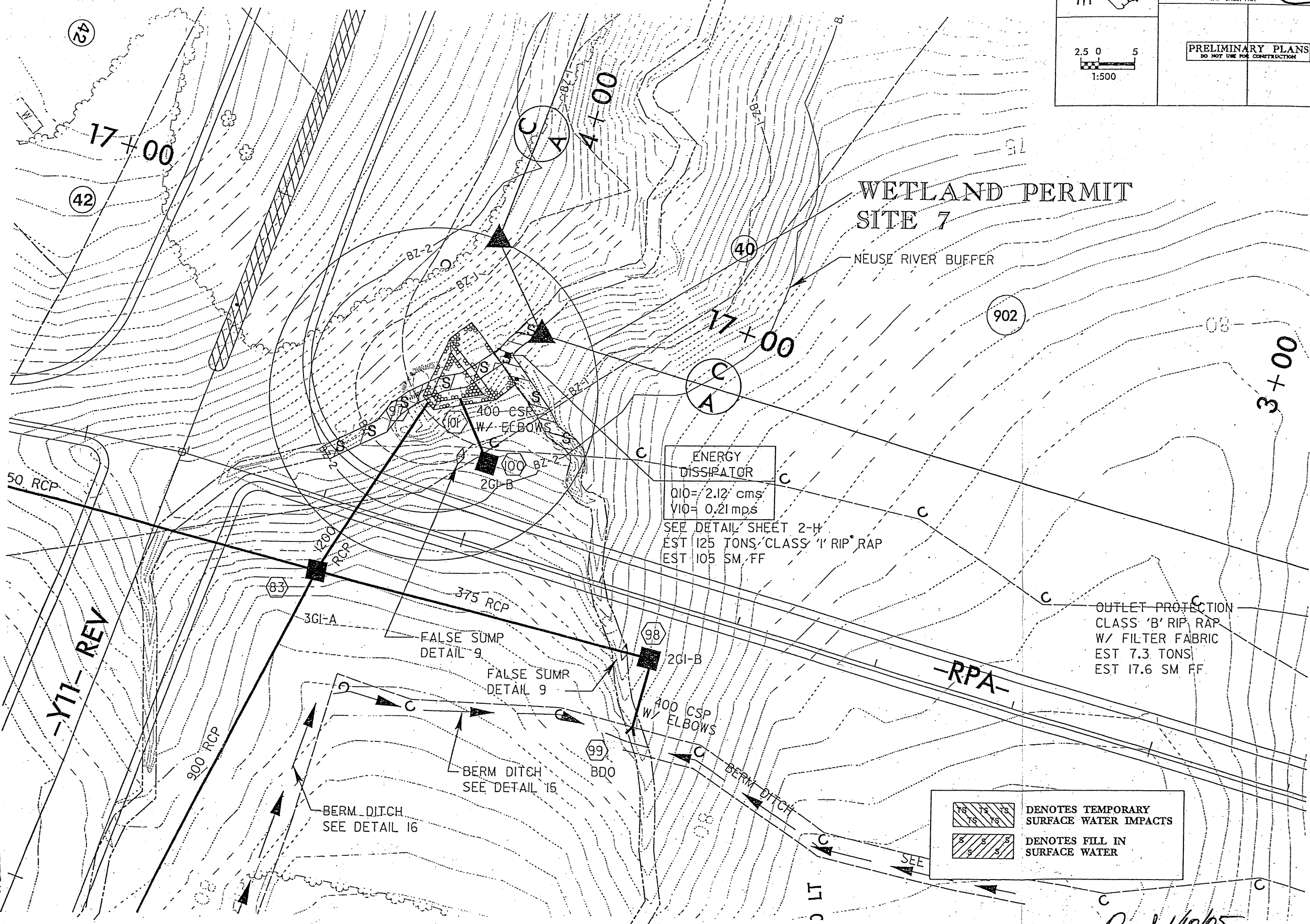
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	PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	

2.5 0 5
1:500

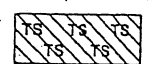
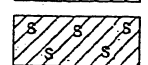
WETLAND PERMIT SITE 7

NEUSE RIVER BUFFER




ENERGY DISSIPATOR
 $Q_{10} = 2.12 \text{ cms}$
 $V_{10} = 0.21 \text{ mps}$
 SEE DETAIL SHEET 2-H
 EST 125 TONS CLASS '1' RIP RAP
 EST 105 SM FF

OUTLET PROTECTION
 CLASS 'B' RIP RAP
 W/ FILTER FABRIC
 EST 7.3 TONS
 EST 17.6 SM FF

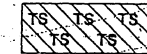
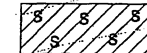
	DENOTES TEMPORARY SURFACE WATER IMPACTS
	DENOTES FILL IN SURFACE WATER

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Dec 1/10/05

	PROJECT REFERENCE NO. R-2552B	SHEET NO. 16/23
	NW SHEET NO.	
	PRELIMINARY PLANS <small>DO NOT USE FOR CONSTRUCTION</small>	

2.5 0 5
1:500

	DENOTES TEMPORARY SURFACE WATER IMPACTS
	DENOTES FILL-IN SURFACE WATER

WETLAND PERMIT SITE 8

JFFER

902

3+00

902

2+00

101+00 LT

NEUSE RIVER BUFFER

OUTLET PROTECTION
CLASS 'B' RIP RAP
W/ FILTER FABRIC
EST 7.3 TONS
EST 17.6 SM FF


OUTLET PROTECTION
CLASS 'B' RIP RAP
W/ FILTER FABRIC
EST 2.7 TONS
EST 8.4 SM FF

SPECIAL LATERAL 'V' DITCH
SEE DETAIL 3

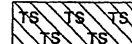
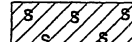
SPECIAL CUT DITCH
DETAIL 21

C
A

r:\01056065\plan\permls\wetland\2552bs_wetland08a.psh
9/24/2004

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	RW SHEET NO.	
	PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	

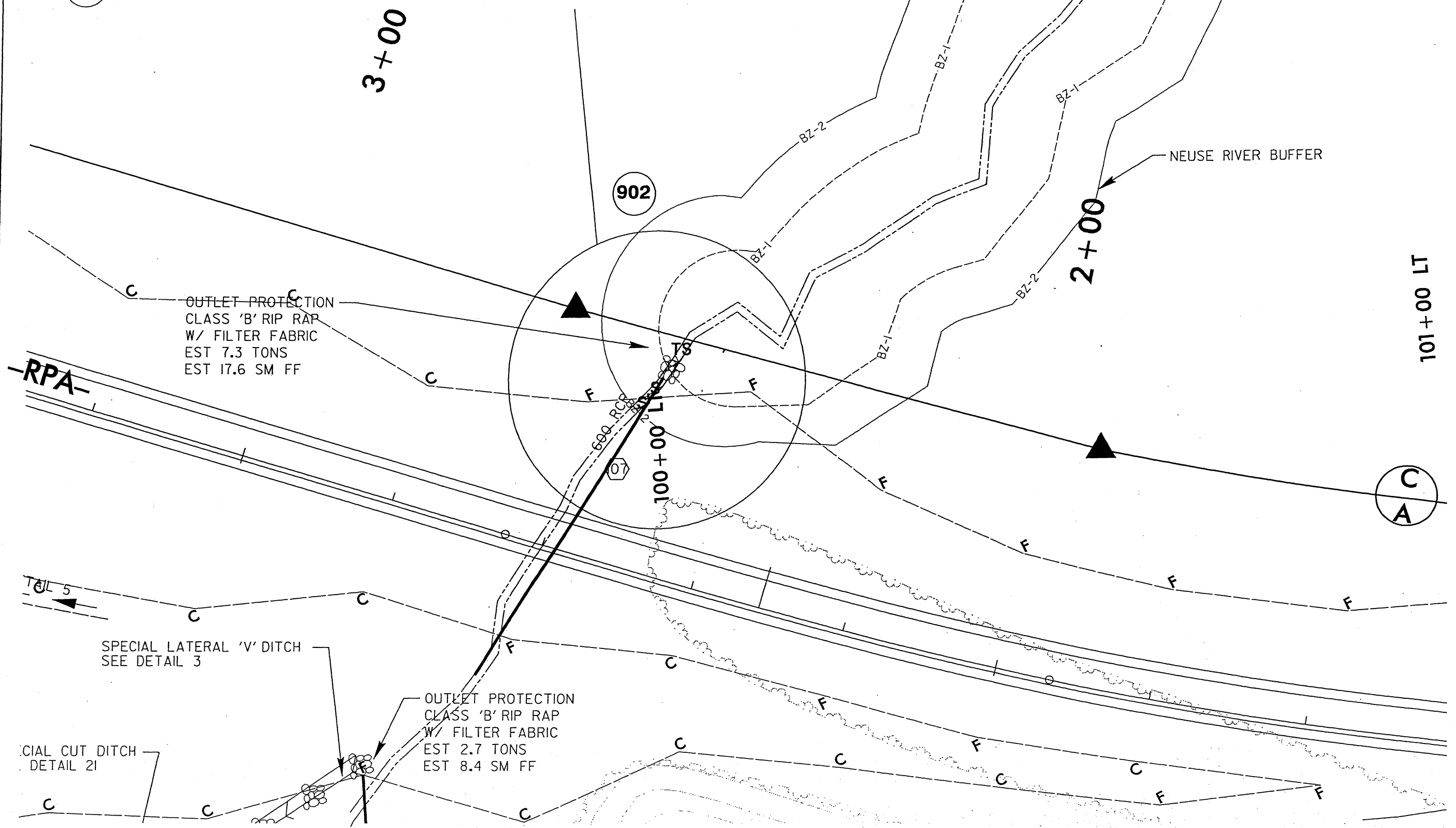
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 DENOTES TEMPORARY SURFACE WATER IMPACTS
 DENOTES FILL IN SURFACE WATER

JFFER.

902

WETLAND PERMIT SITE 8



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 9/23/2004

PROJECT REFERENCE NO. R-2552B SHEET NO. 17A/23

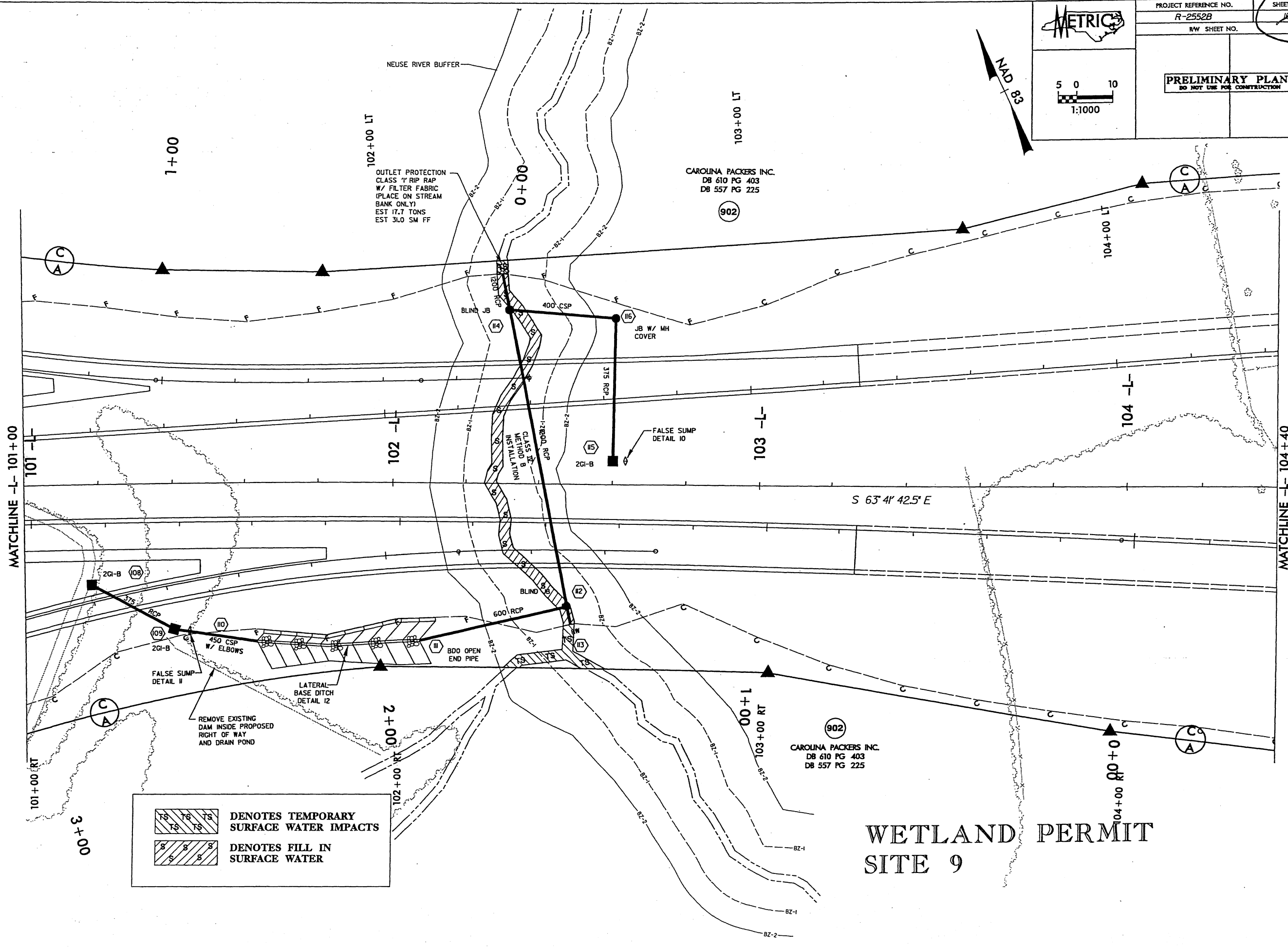
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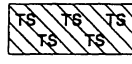
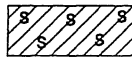
PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

METRIC

5 0 10
1:1000

NAD 83



 DENOTES TEMPORARY SURFACE WATER IMPACTS
 DENOTES FILL IN SURFACE WATER

WETLAND PERMIT
SITE 9

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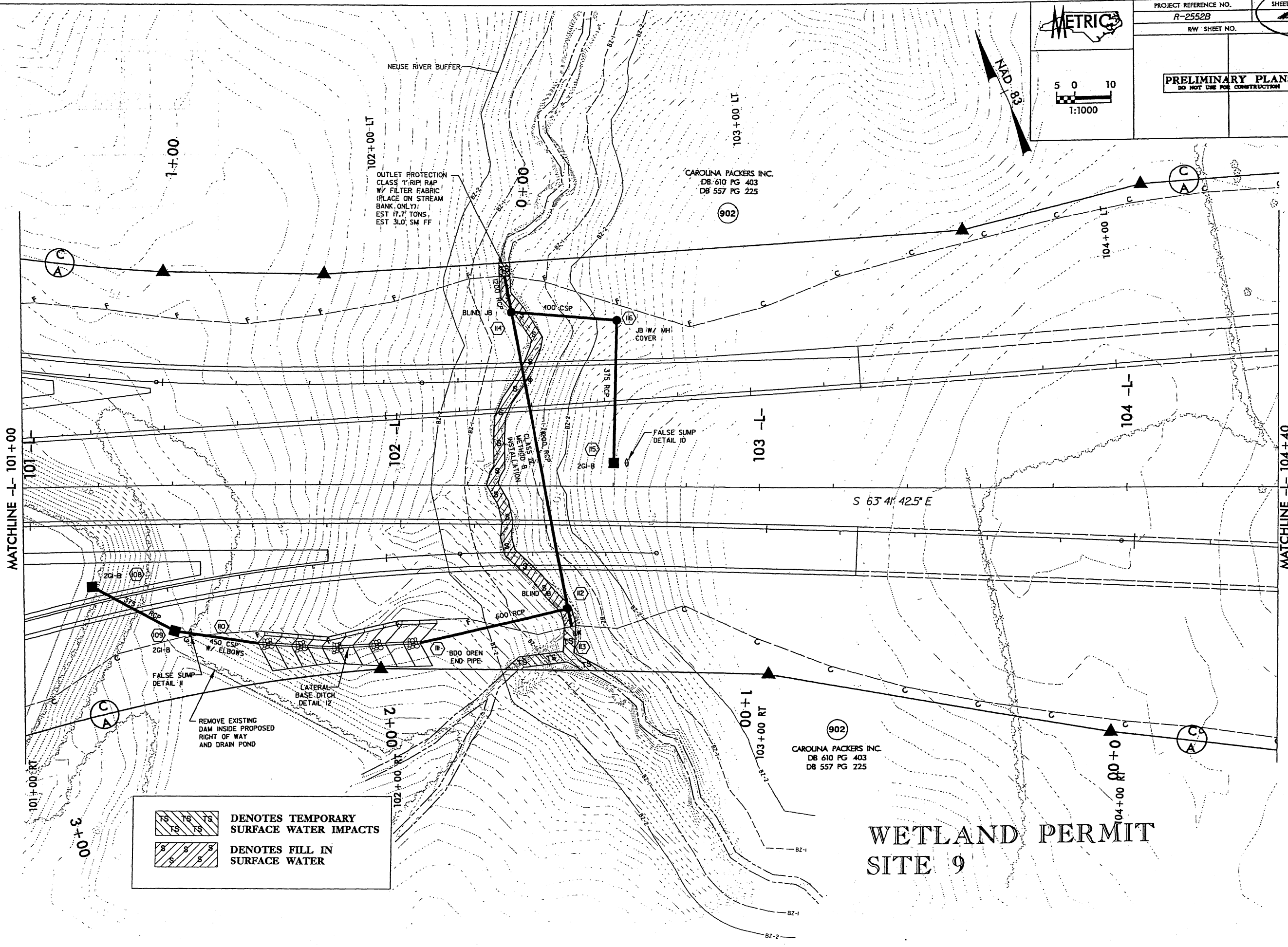
9/23/2004

PROJECT REFERENCE NO. R-2552B
 SHEET NO. 17A/23
 RW SHEET NO.

PRELIMINARY PLANS
 DO NOT USE FOR CONSTRUCTION

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NAD 83



	DENOTES TEMPORARY SURFACE WATER IMPACTS
	DENOTES FILL IN SURFACE WATER

**WETLAND PERMIT
 SITE 9**

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9/24/2004

METRIC

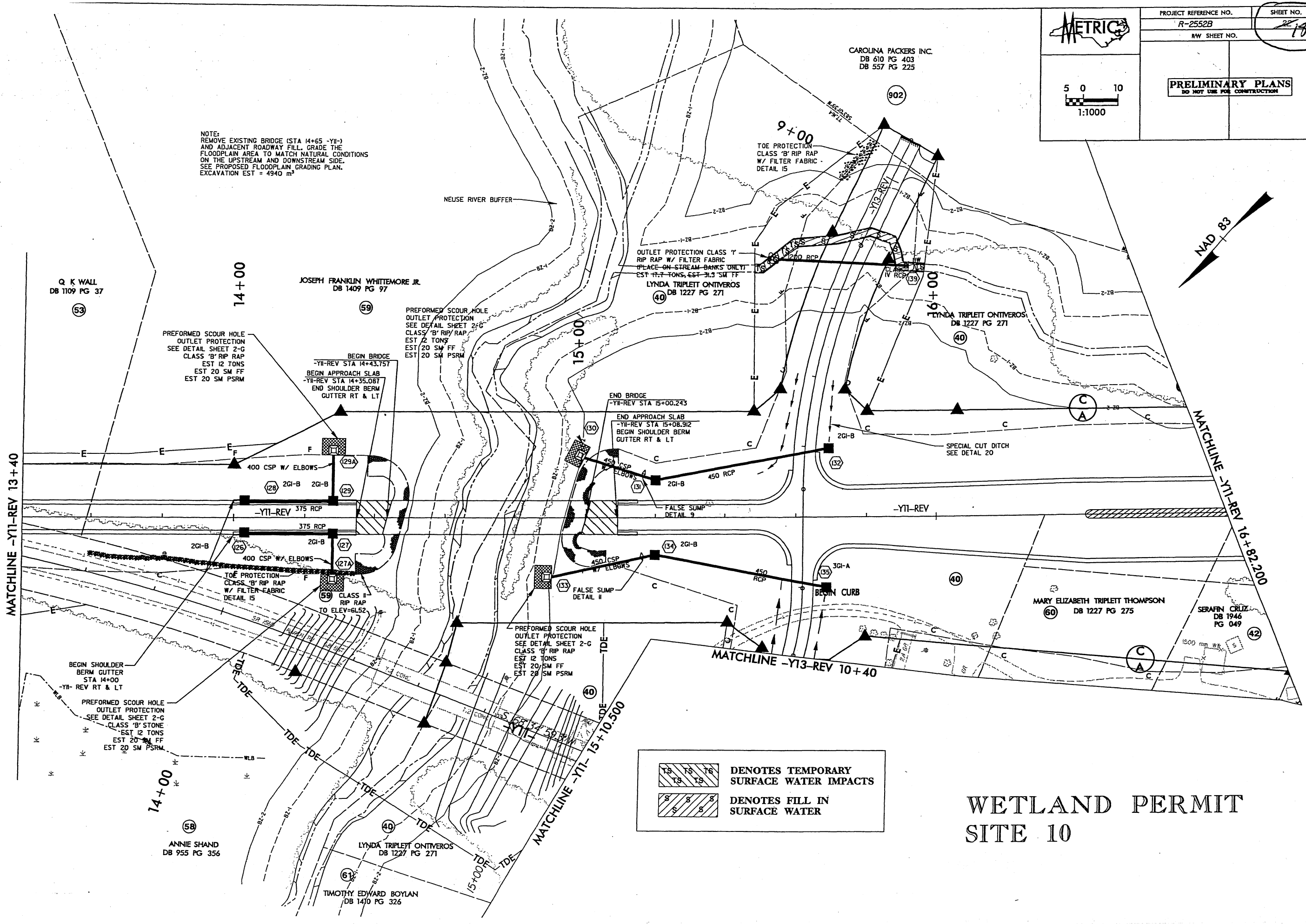
PROJECT REFERENCE NO. R-2552B
 SHEET NO. 219 of 23

RW SHEET NO.

PRELIMINARY PLANS
 DO NOT USE FOR CONSTRUCTION

5 0 10
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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



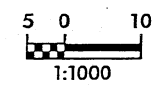
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	DENOTES FILL IN SURFACE WATER

WETLAND PERMIT SITE 10

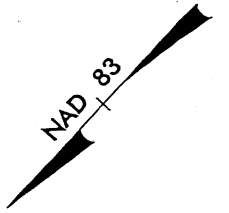
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 9/23/2004



PROJECT REFERENCE NO. R-2552B
 RW SHEET NO. 22 18A of 23



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

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

Q K WALL
 DB 1109 PG 37

JOSEPH FRANKLIN WHITEMORE JR.
 DB 1409 PG 97

OUTLET PROTECTION CLASS 'I'
 RIP, RAP W/ FILTER FABRIC
 (PLACE ON STREAM BANKS ONLY)
 EST 17.7 TONS, EST 31.3 SM FF
 LYNDIA TRIPLETT ONTIVEROS
 DB 1227 PG 271

LYNDIA TRIPLETT ONTIVEROS
 DB 1227 PG 271

MARY ELIZABETH TRIPLETT THOMPSON
 DB 1227 PG 275

SERAFIN CRUZ
 DB 1946 PG 049

ANNIE SHAND
 DB 955 PG 356

LYNDIA TRIPLETT ONTIVEROS
 DB 1227 PG 271

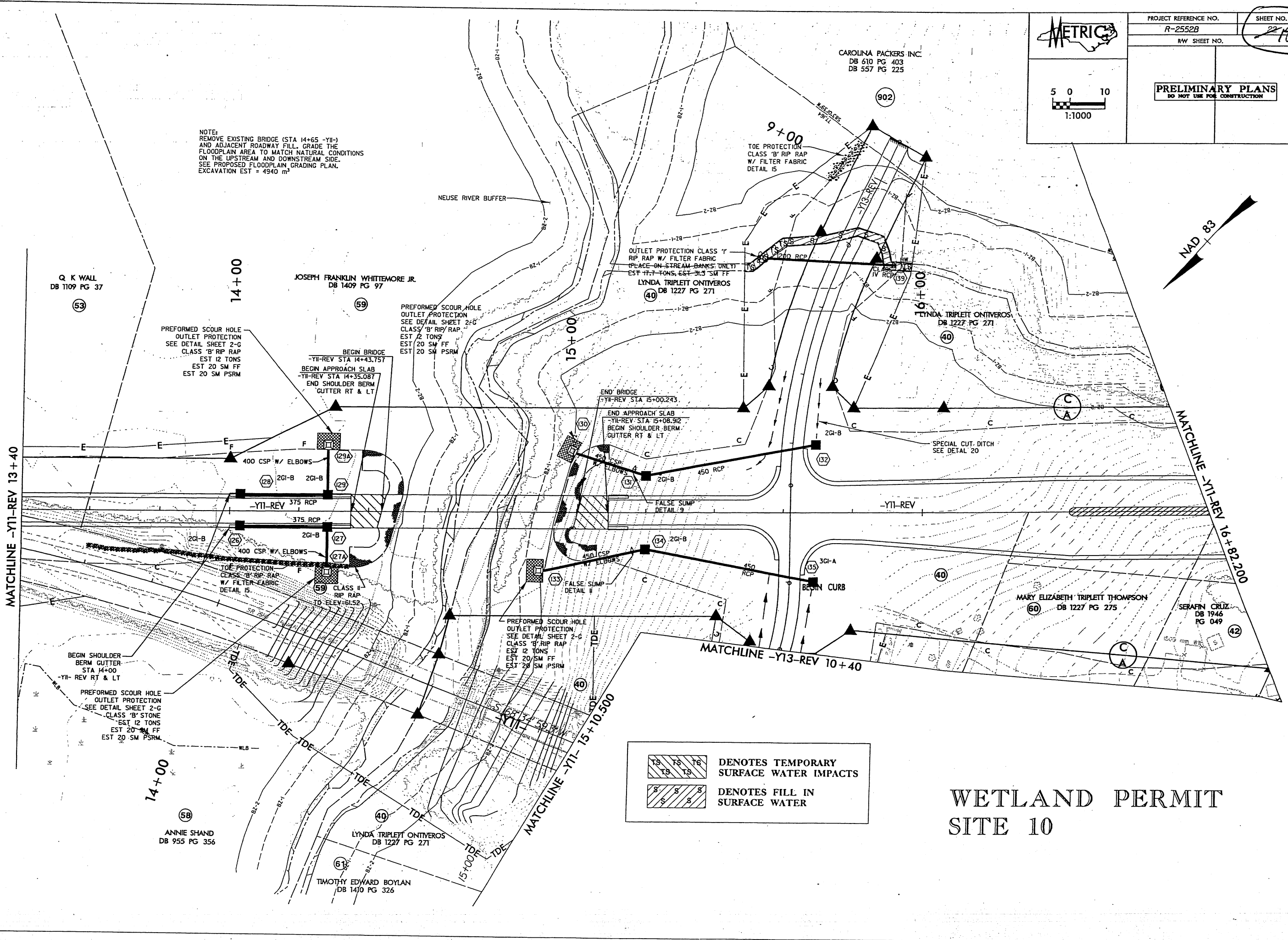
TIMOTHY EDWARD BOYLAN
 DB 1410 PG 326

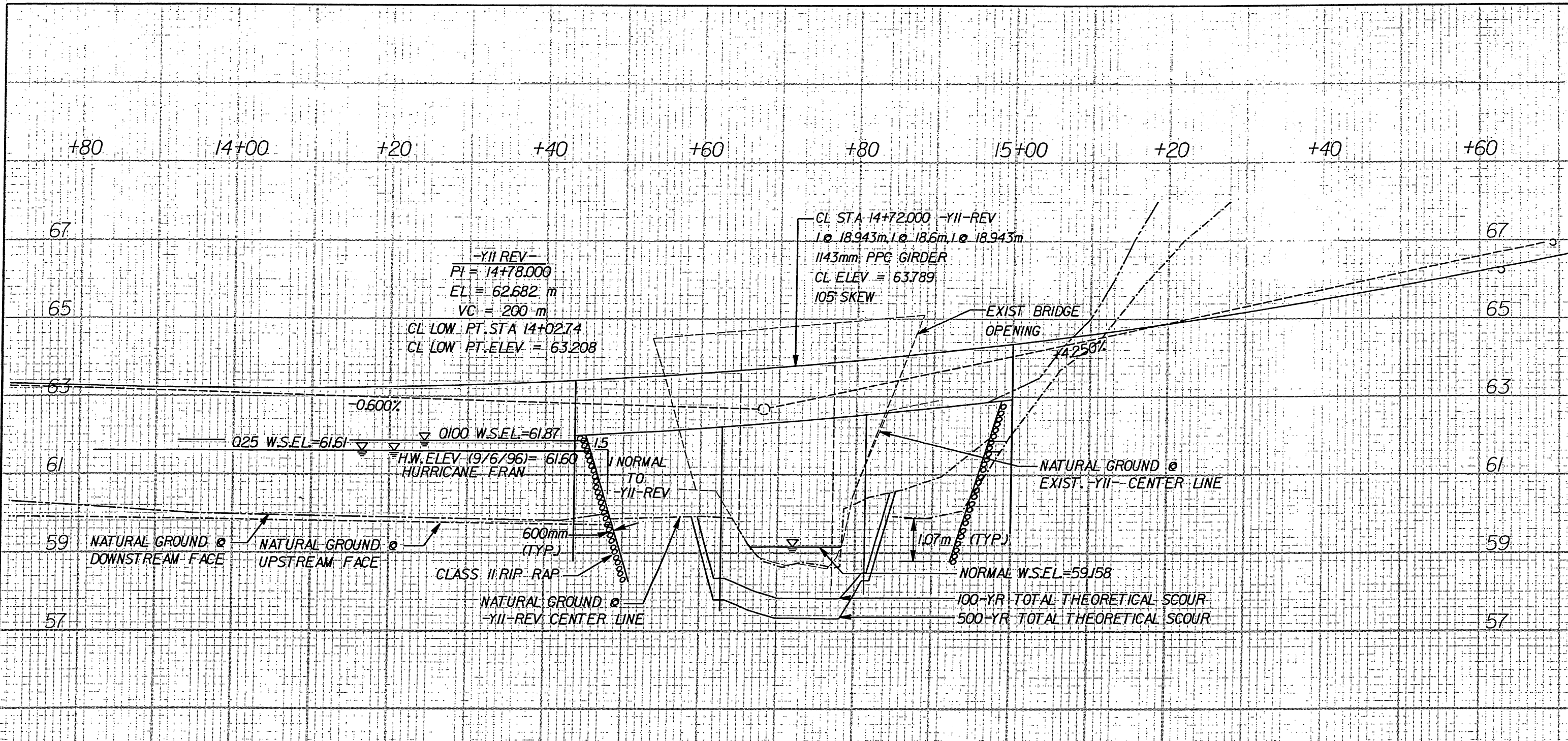
	DENOTES TEMPORARY SURFACE WATER IMPACTS
	DENOTES FILL IN SURFACE WATER

WETLAND PERMIT SITE 10

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9/24/2004





WETLAND PERMIT DRAWING
BSR PROFILE
R-2552B

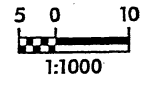
Site 10
EA

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)



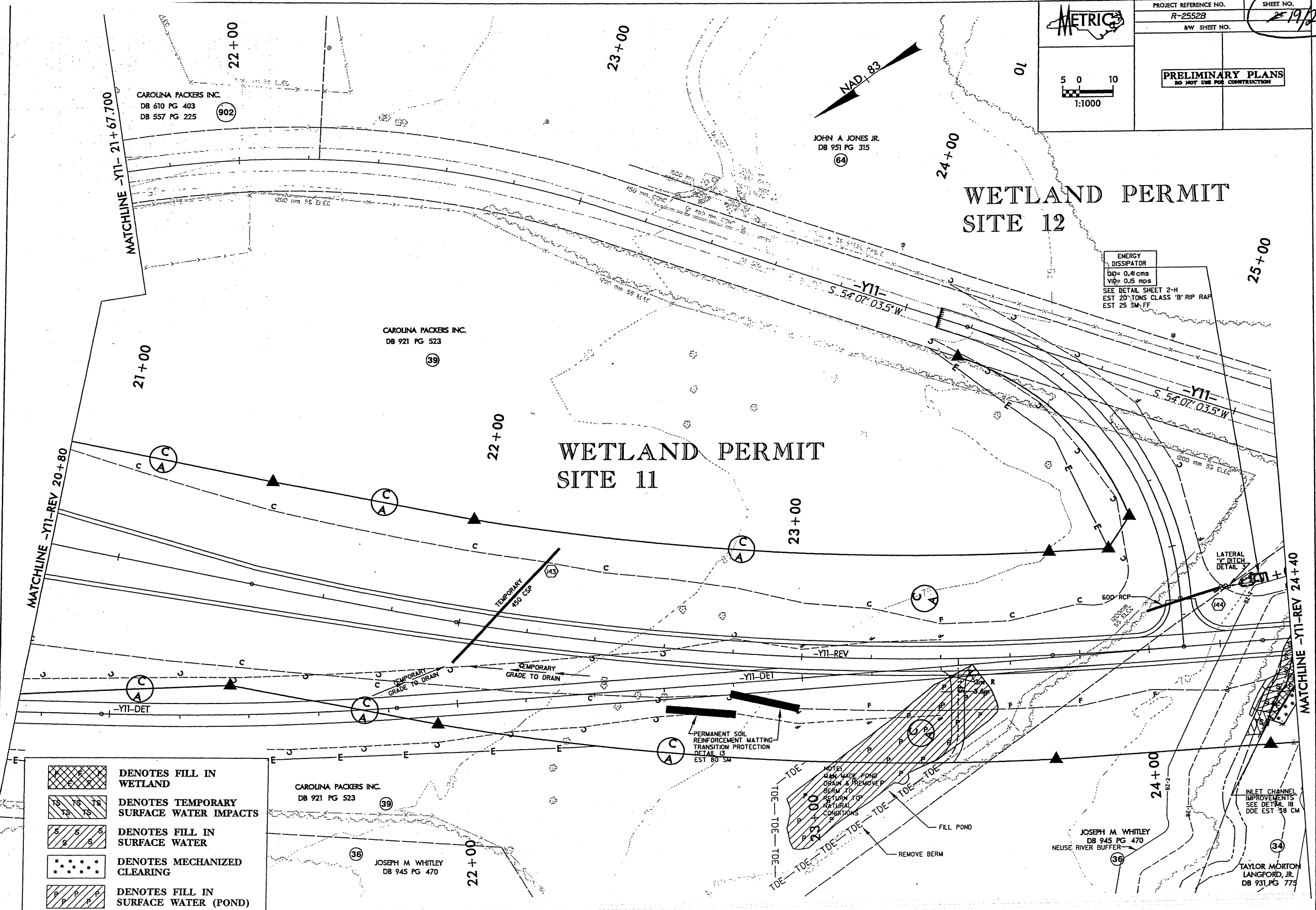
PROJECT REFERENCE NO. R-2552B
 RW SHEET NO. 19/23


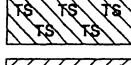
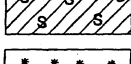
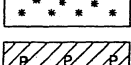
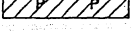


PRELIMINARY PLANS
 DO NOT USE FOR CONSTRUCTION

WETLAND PERMIT SITE 12

WETLAND PERMIT SITE 11



-  DENOTES FILL IN WETLAND
-  DENOTES TEMPORARY SURFACE WATER IMPACTS
-  DENOTES FILL IN SURFACE WATER
-  DENOTES MECHANIZED CLEARING
-  DENOTES FILL IN SURFACE WATER (POND)

ENERGY DISSIPATOR
 D10= 0.41 cms
 V10= 0.15 mps
 SEE DETAIL SHEET 2-H
 EST 20 TONS CLASS 'B' RIP RAP
 EST 25 SM.FF

PERMANENT SOIL REINFORCEMENT MATTING TRANSITION PROTECTION DETAIL IS EST 80 SM

NOTES:
 1. MAKE POND DRAIN & REMOVE BERM TO RETURN TO NATURAL CONDITIONS
 2. REMOVE BERM
 3. FILL POND

INLET CHANNEL IMPROVEMENTS SEE DETAIL 18 DDE EST 38 CM

JOSEPH M. WHITLEY
 DB 945 PG 470
 NEUSE RIVER BUFFER

TAYLOR MORTON LANGFORD, JR.
 DB 931 PG 775


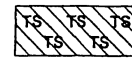
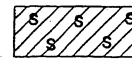
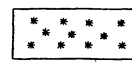
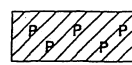
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PROJECT REFERENCE NO. R-2552B
 SHEET NO. 19A of 23
 RW. SHEET NO.
 METRIC
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 1:1000
PRELIMINARY PLANS
 DO NOT USE FOR CONSTRUCTION

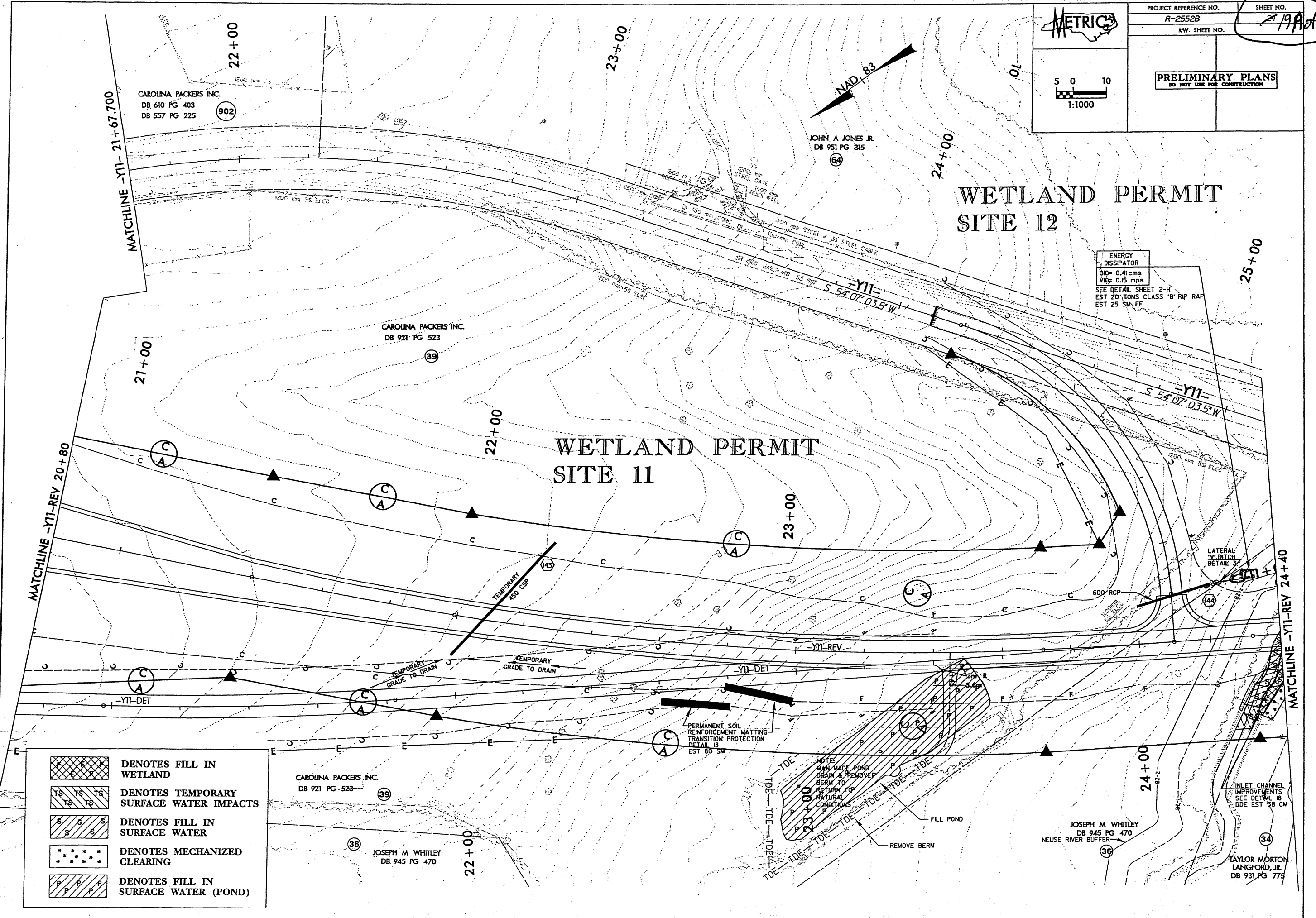
WETLAND PERMIT SITE 12

WETLAND PERMIT SITE 11

ENERGY DISSIPATOR
 Q10= 0.41 cms
 V10= 0.15 mps
 SEE DETAIL SHEET 2-H
 EST 20' TONS CLASS 'B' RIP RAP
 EST 25 SM FF

-  DENOTES FILL IN WETLAND
-  DENOTES TEMPORARY SURFACE WATER IMPACTS
-  DENOTES FILL IN SURFACE WATER
-  DENOTES MECHANIZED CLEARING
-  DENOTES FILL IN SURFACE WATER (POND)

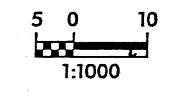
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 9/24/2004



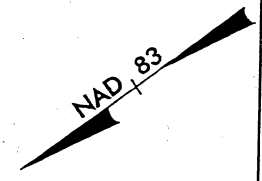


PROJECT REFERENCE NO.
R-2552B
RW SHEET NO.


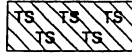
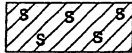

SHEET NO.
201/23

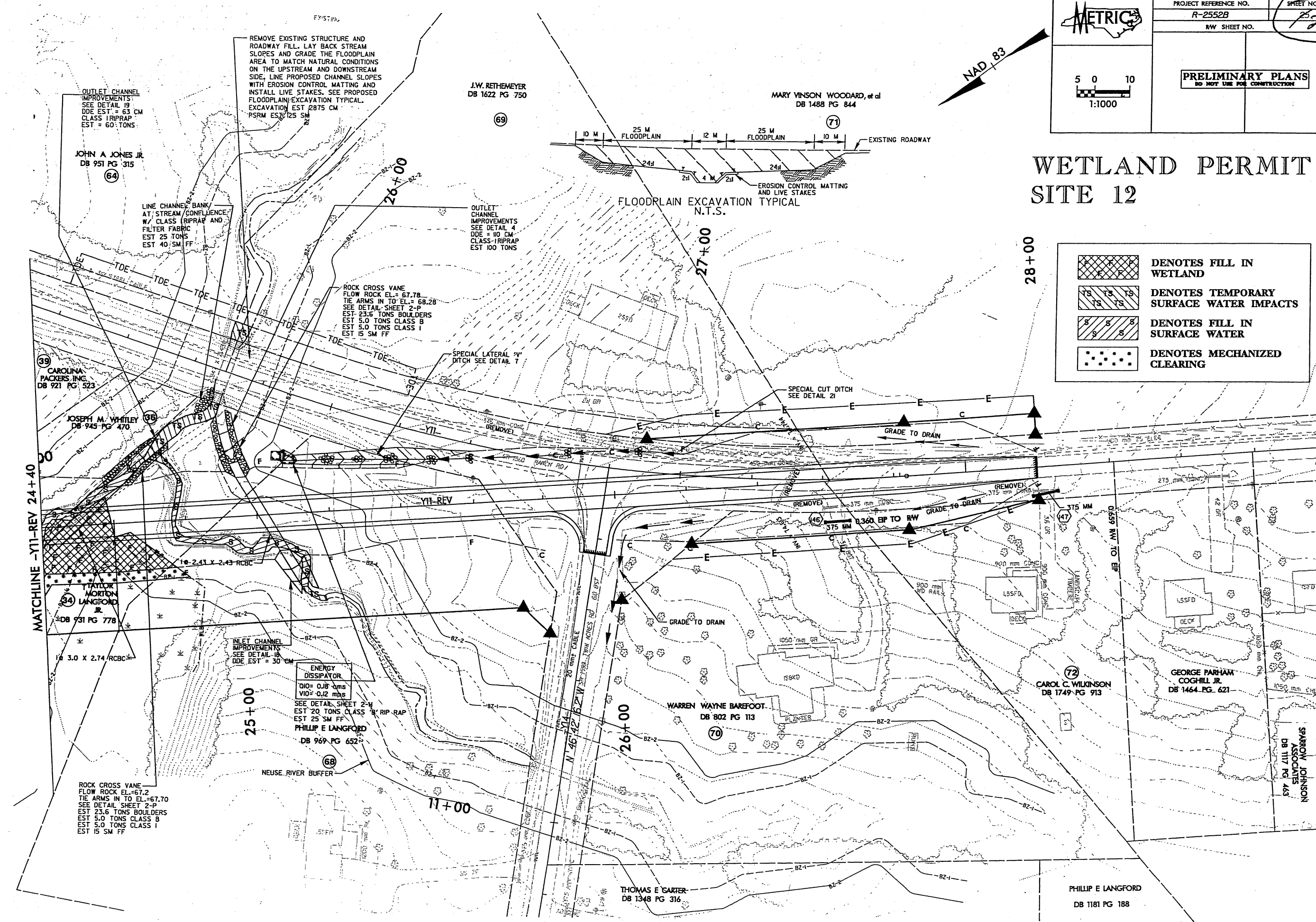


PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION



WETLAND PERMIT SITE 12

-  DENOTES FILL IN WETLAND
-  DENOTES TEMPORARY SURFACE WATER IMPACTS
-  DENOTES FILL IN SURFACE WATER
-  DENOTES MECHANIZED CLEARING



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9/24/2004

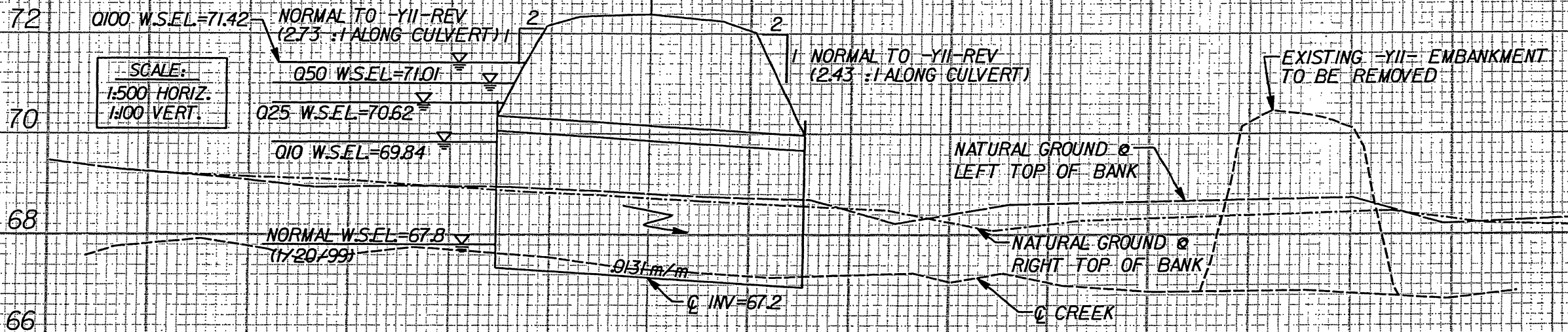
PHILLIP E LANGFORD
DB 1181 PG 188

NOTE: CULVERT HAS NO HISTORY OF OVERTOPPING EXCEPT DURING SEPTEMBER 1996 (HURRICANE FRAN) W.S.E.L.=709

NOTE: THERE ARE NO STRUCTURES UPSTREAM THAT WILL BE AFFECTED BY PROPOSED CULVERT

Q STA = 24+48.77 -YII-REV
 GRADE POINT ELEV = 72.39
 SKEW = 138.00° @ -YII-REV
 I @ 3.0m x 2.7m RCBC
 W/BEVELED INLET

SCALE:
 1:500 HORIZ.
 1:100 VERT.



WETLAND PERMIT DRAWING
CSR 3 of 4 PROFILE
R-2552B

Site 12 GA

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 21 OF 23 9/16/2004

5/11/21 of 23

NOTE: THERE ARE NO STRUCTURES
UPSTREAM THAT WILL BE AFFECTED
BY PROPOSED CULVERT

SCALE:
1:500 HORIZ.
1:100 VERT.

☉ STA = 25+01.77 -YII-REV
GRADE POINT ELEV = 72.38
SKEW = 61.50° ☉ -YII-REV
1 @ 2.4m x 2.4m RCBC
W/BEVELED INLET

NORMAL TO -YII-REV
(2.41:1 ALONG CULVERT) 1

1 NORMAL TO -YII-REV
(2.37:1 ALONG CULVERT)

EXISTING -YII- EMBANKMENT
TO BE REMOVED

NATURAL GROUND ☉
LEFT TOP OF BANK

☉ PROPOSED CREEK

NATURAL GROUND ☉
RIGHT TOP OF BANK

Q100 W.S.E.L = 71.26
Q50 W.S.E.L = 70.93

Q10 W.S.E.L = 69.94

Q25 W.S.E.L = 70.60

NORMAL W.S.E.L = 68.50
(04/20/01)

PROPOSED CHANNEL
IMPROVEMENT

0.162 m/m

0.162 m/m

0.162 m/m

☉ ELEV = 67.72

74

72

70

68

66

WETLAND PERMIT DRAWING

CSR 4 of 4 PROFILE

R-2552B

Site 12
SA

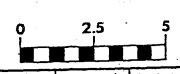
NCDOT

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)

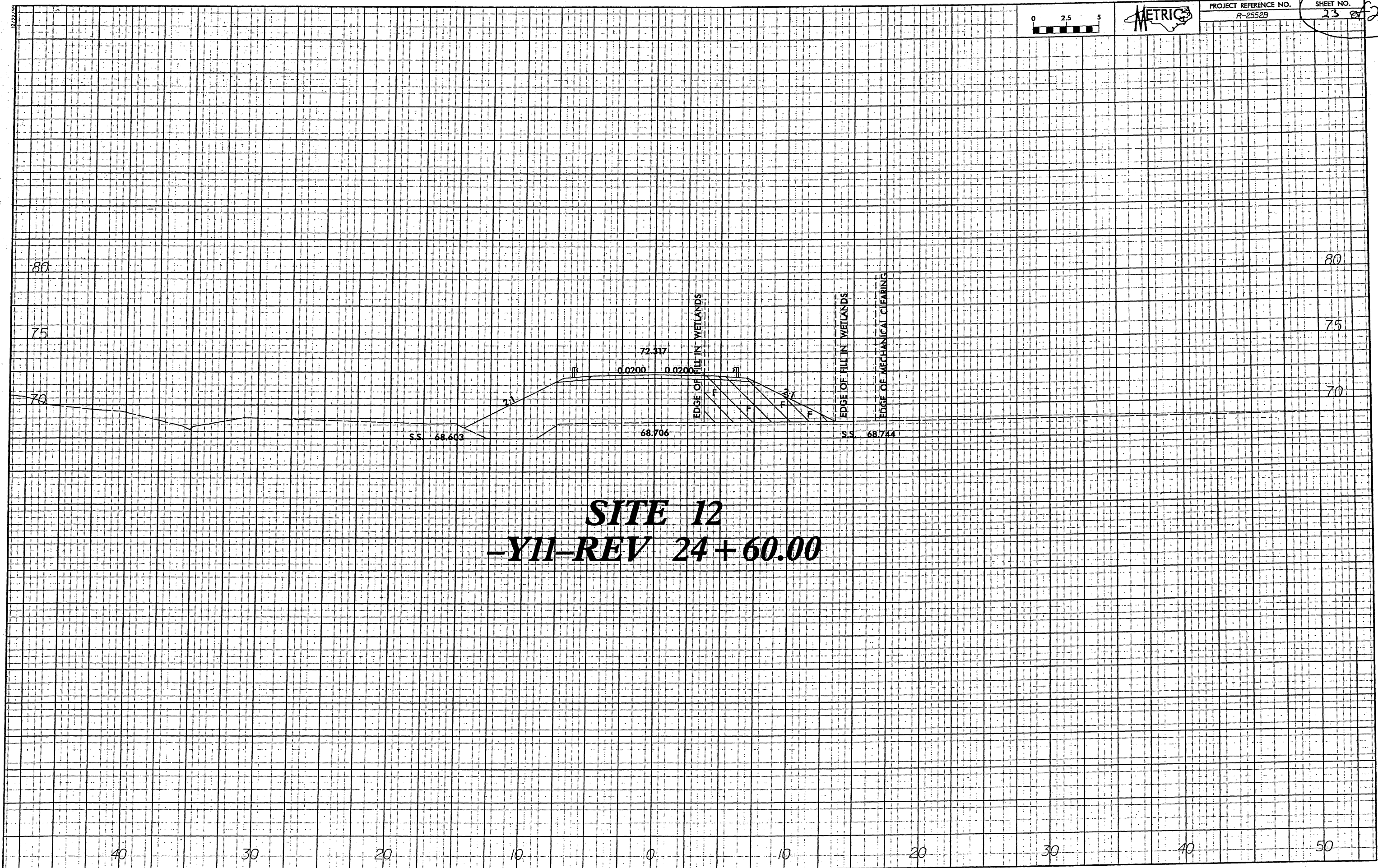
SHEET 2 OF 23

9/16/2004



PROJECT REFERENCE NO.
R-2552B

SHEET NO.
23 of 23



SITE 12
-YII-REV 24 + 60.00