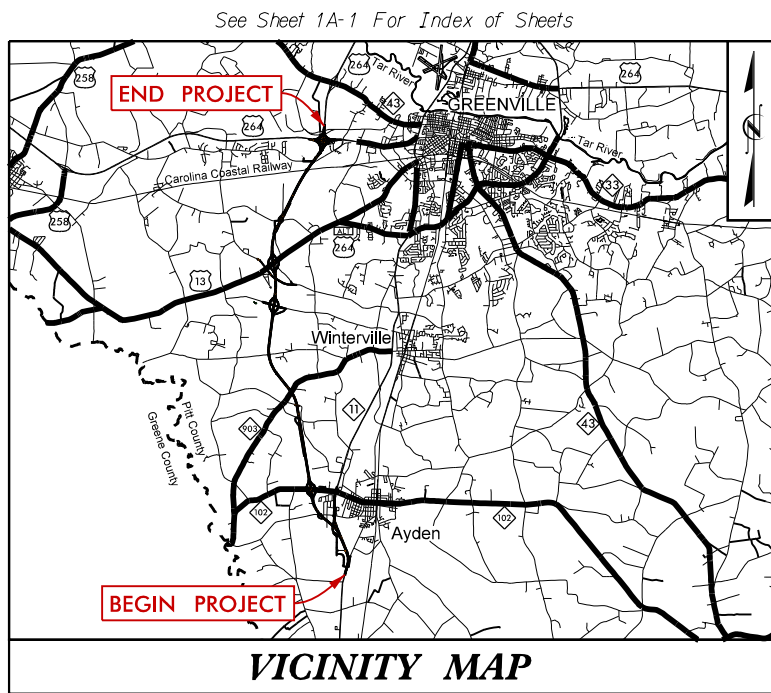


TIP PROJECT: R-2250

CONTRACT: C 203609



STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PITT COUNTY

LOCATION: US 264 (GREENVILLE SOUTHWEST BYPASS) FROM SOUTH OF SR 1149 (OLD NC 11) TO THE US 264 INTERCHANGE

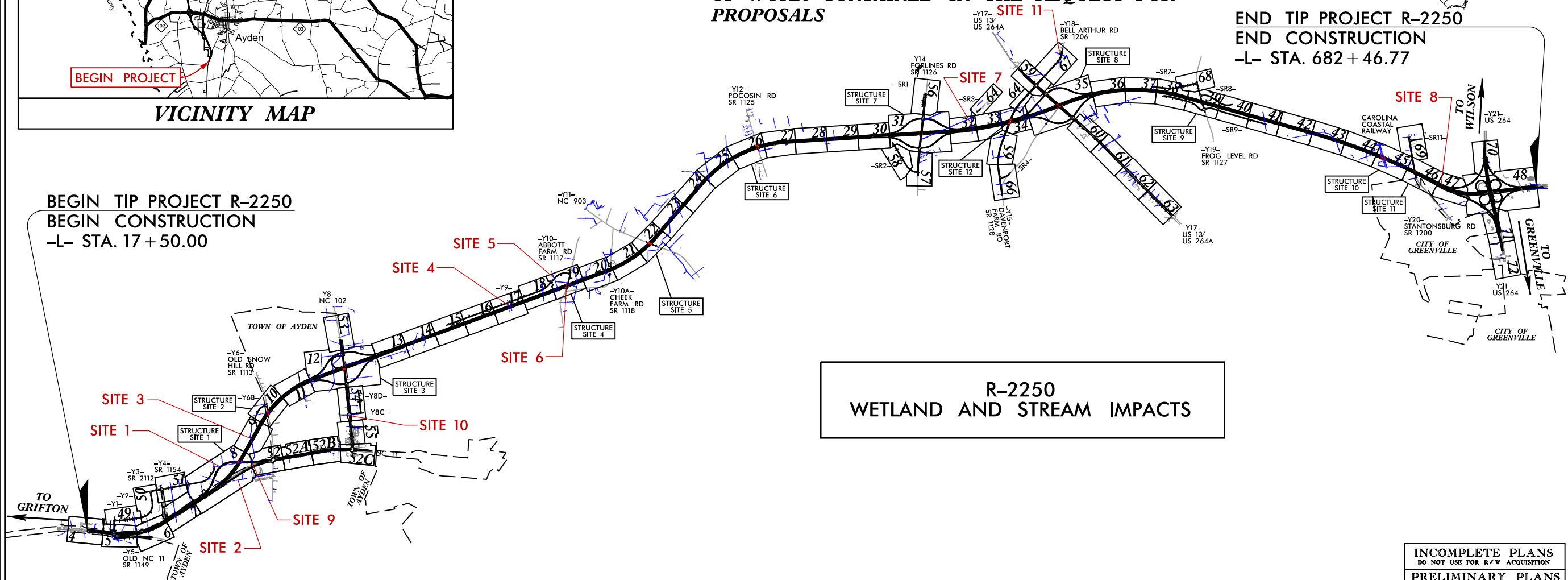
TYPE OF WORK: DESIGN-BUILD AS SPECIFIED IN THE SCOPE OF WORK CONTAINED IN THE REQUEST FOR PROPOSALS



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-2250	1	30
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
34411.1.2		P.E.	
34411.3.R7		CONSTRUCTION	



**END TIP PROJECT R-2250
END CONSTRUCTION
-L- STA. 682 + 46.77**



**BEGIN TIP PROJECT R-2250
BEGIN CONSTRUCTION
-L- STA. 17 + 50.00**

A PORTION OF THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF THE TOWN OF AYDEN AND THE CITY OF GREENVILLE.

**CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III.
THIS IS A CONTROLLED-ACCESS PROJECT WITH ACCESS BEING LIMITED TO INTERCHANGES.**

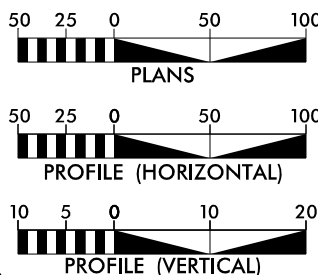
**R-2250
WETLAND AND STREAM IMPACTS**

**INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION
PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION**

**PERMIT DRAWINGS
SHEET 1 OF 30**



GRAPHIC SCALES



DESIGN DATA

ADT 2014 = 19,700 VPD
ADT 2040 = 34,000 VPD
DHV = 10 %
D = 60 %
* T = 8 %
V = 70 MPH
*(TTST 3% + DUALS 5%)
FUNC. CLASS. = FREEWAY
STATEWIDE TIER

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT R-2250 = 12.333 MILES
LENGTH STRUCTURE TIP PROJECT R-2250 = 0.261 MILES
TOTAL LENGTH TIP PROJECT R-2250 = 12.594 MILES

Prepared for the Office of:
DIVISION OF HIGHWAYS
1000 Birch Ridge Dr., Raleigh NC, 27610

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:

LETTING DATE:
APRIL 21, 2015

PAUL A. MEEHAN, PE
PROJECT ENGINEER

DOMINIC M. WAINWRIGHT, PE
PROJECT DESIGN ENGINEER

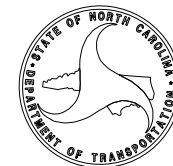
HYDRAULICS ENGINEER

SIGNATURE: _____ P.E.

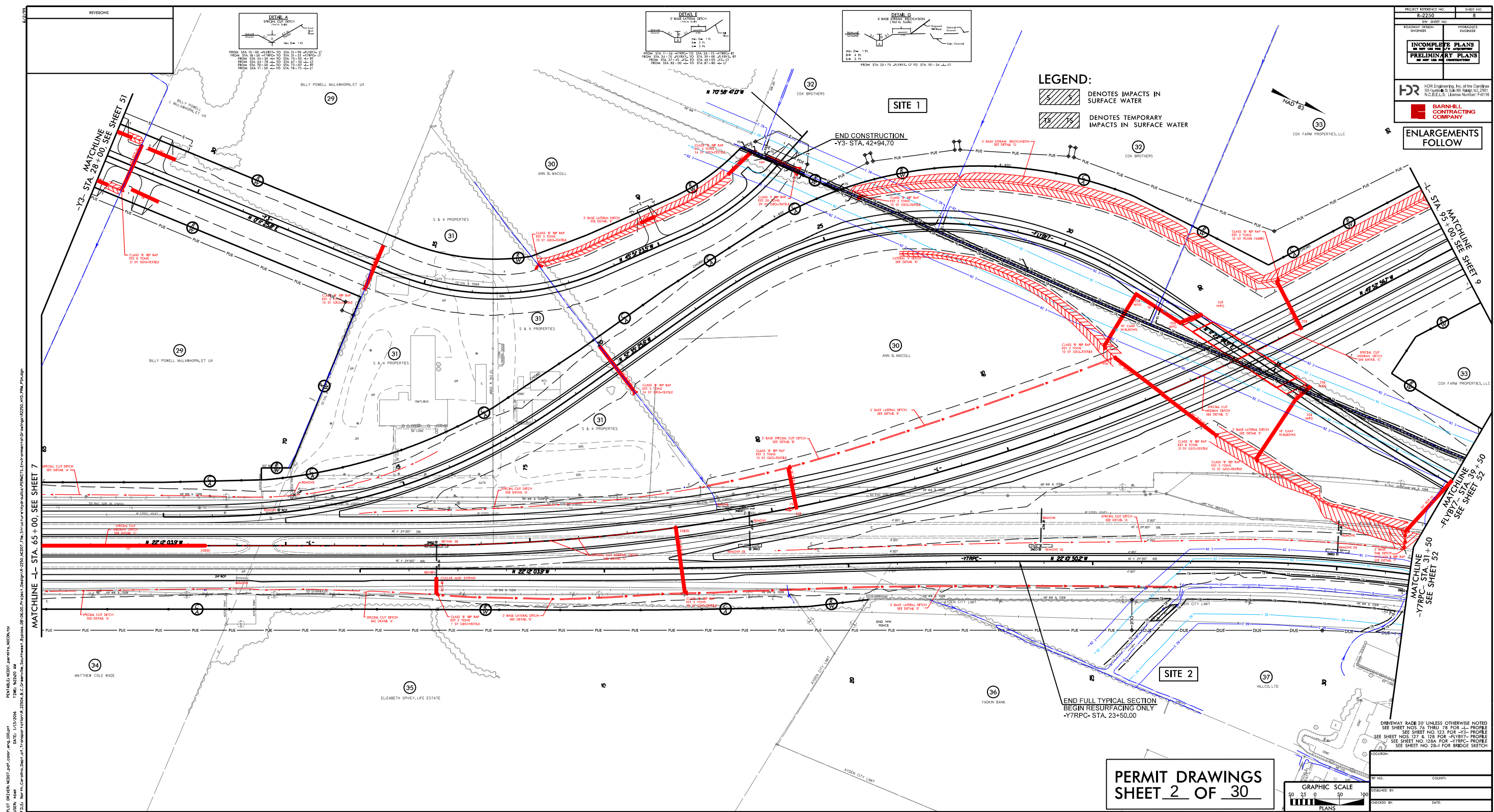
**ROADWAY DESIGN
ENGINEER**

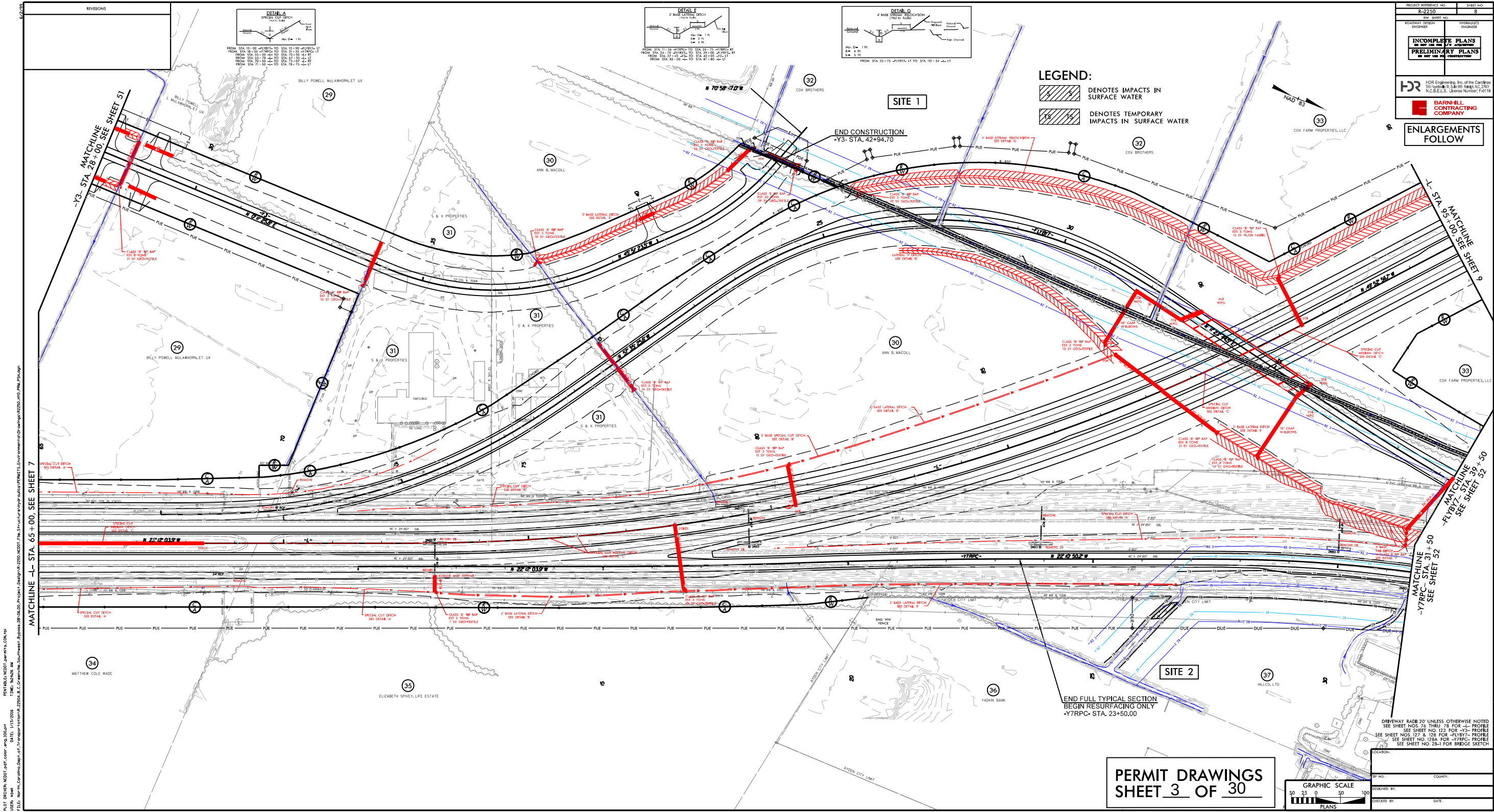
SIGNATURE: _____ P.E.

**DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA**



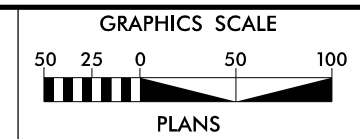
STATE HIGHWAY DESIGN ENGINEER



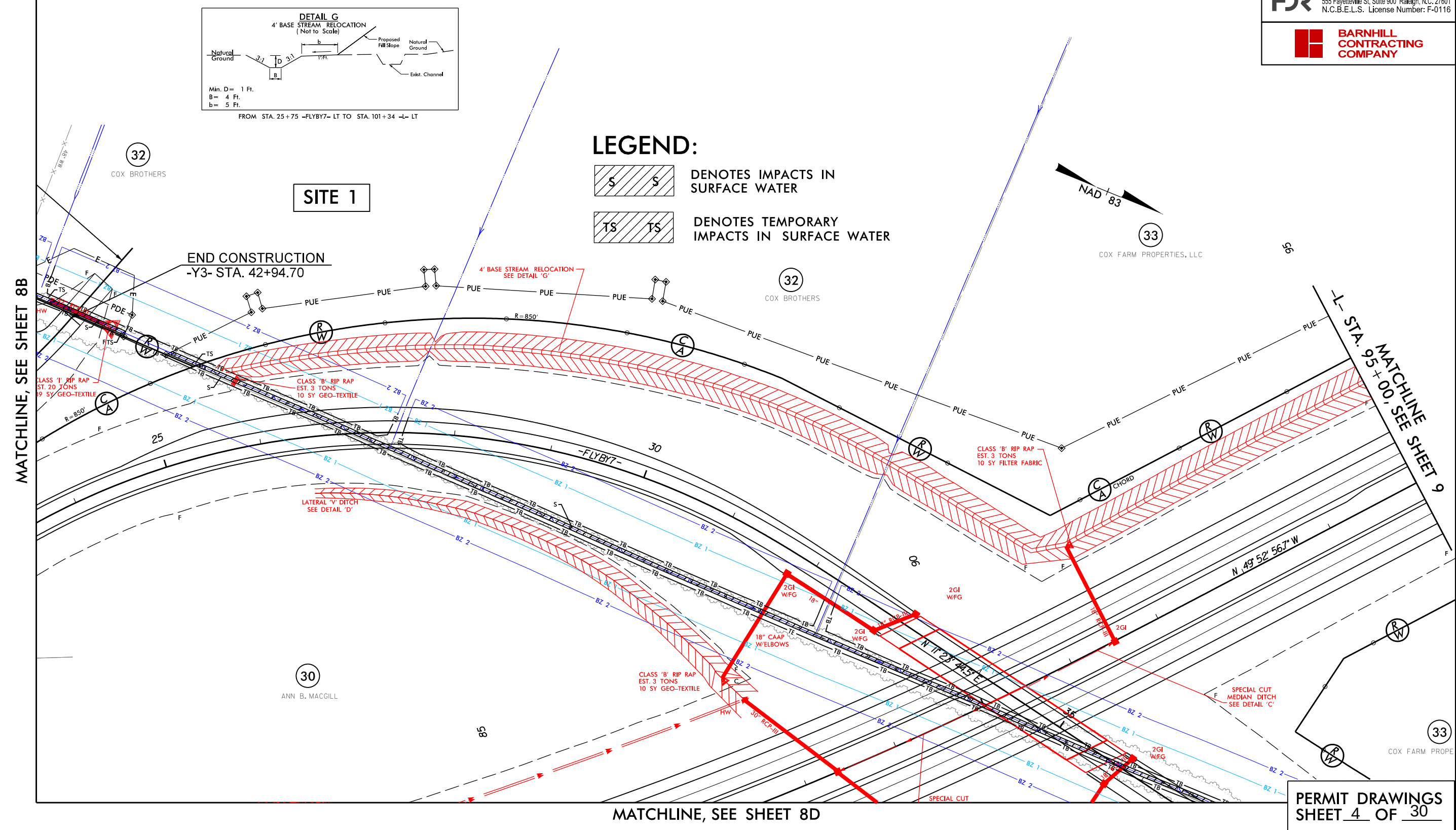


PLOT DRIVER: NCDOT_color_eng_100.plt
USER: kbell
FILE: North_Carolina_Dept_of_Transportation\R-2250A.B.C.Greenville_Southwest_Bypass.DB\06.00_Project_Design\R-2250.NCDOT_File_Structure\Hydraulics\PERMITS\Environment\Drawings\R2250_HYD_PEM_PSH.dgn
PENTABLE: NCDOT_permits.NCON.tbl
TIME: 3:20:10 PM
DATE: 1/12/2016

REVISIONS



PROJECT REFERENCE NO.		SHEET NO.			
R-2250		8A			
RW SHEET NO.					
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER			
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION		PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION			
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED					
 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116					
 BARNHILL CONTRACTING COMPANY					

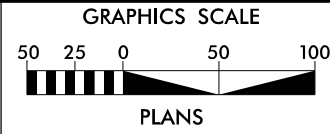


PERMIT DRAWINGS
SHEET 5 OF 30

PLOT DRIVER: NCDOT_color_eng_100.plt
USER: kbell
FILE: North_Carolina_Dept_of_Transportation\R-2250A.B.C.Greenville_Southwest-Bypass.DB\06.00_Project_Design\R-2250.NCDOT_File_Structure\Hydraulics\PERMITS_Environment\Drawings\R2250_HYD_PEM_PSH.dgn

PENTABLE: NCDOT_permits.NCON.tbl
DATE: 12/21/2015
TIME: 2:19:12 PM

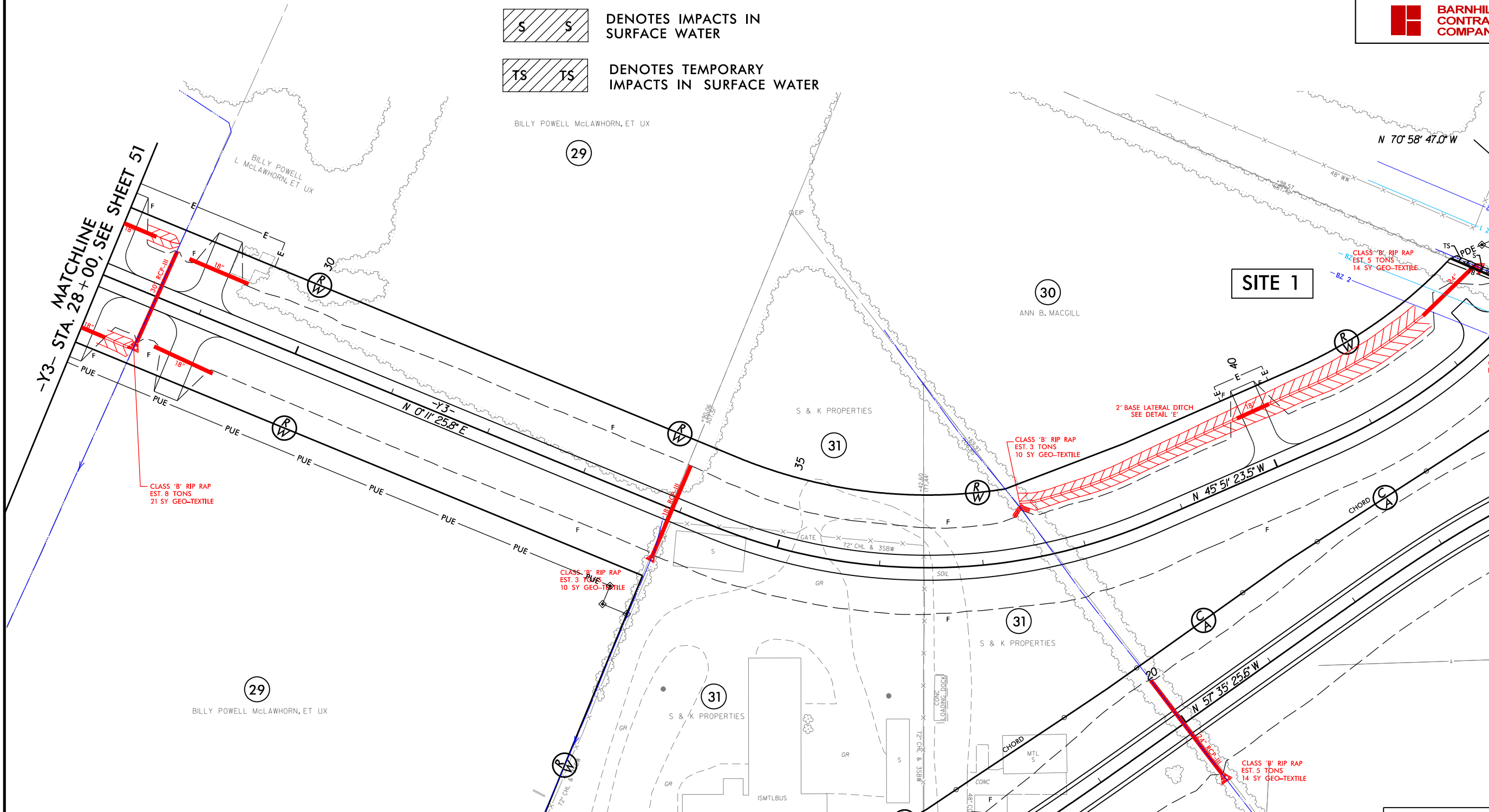
REVISIONS



PROJECT REFERENCE NO.		SHEET NO.			
R-2250		8B			
RW SHEET NO.					
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER			
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION		PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION			
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED					
 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116					
 BARNHILL CONTRACTING COMPANY					

LEGEND:

-  DENOTES IMPACTS IN SURFACE WATER
-  DENOTES TEMPORARY IMPACTS IN SURFACE WATER

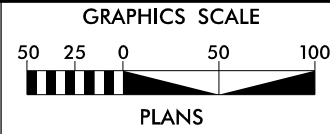


MATCHLINE, SEE SHEET 8C

PLOT DRIVER: NCDOT_color_eng-100.plt
USER: kbell
FILE: North.Carolina.Dept.of.Transportation\R-2250A.B.C.Greenville.Southwest.Bypass.DB\06.00_Project_Design\R-2250.NCDOT.File.Structure\Hydraulics\PERMITS.Environmental\Drawings\R2250.HYD.PRM.PSH.dgn

PENTABLE: NCDOT_permits.CON.tbl
TIME: 2:35:07 PM
DATE: 12/21/2015

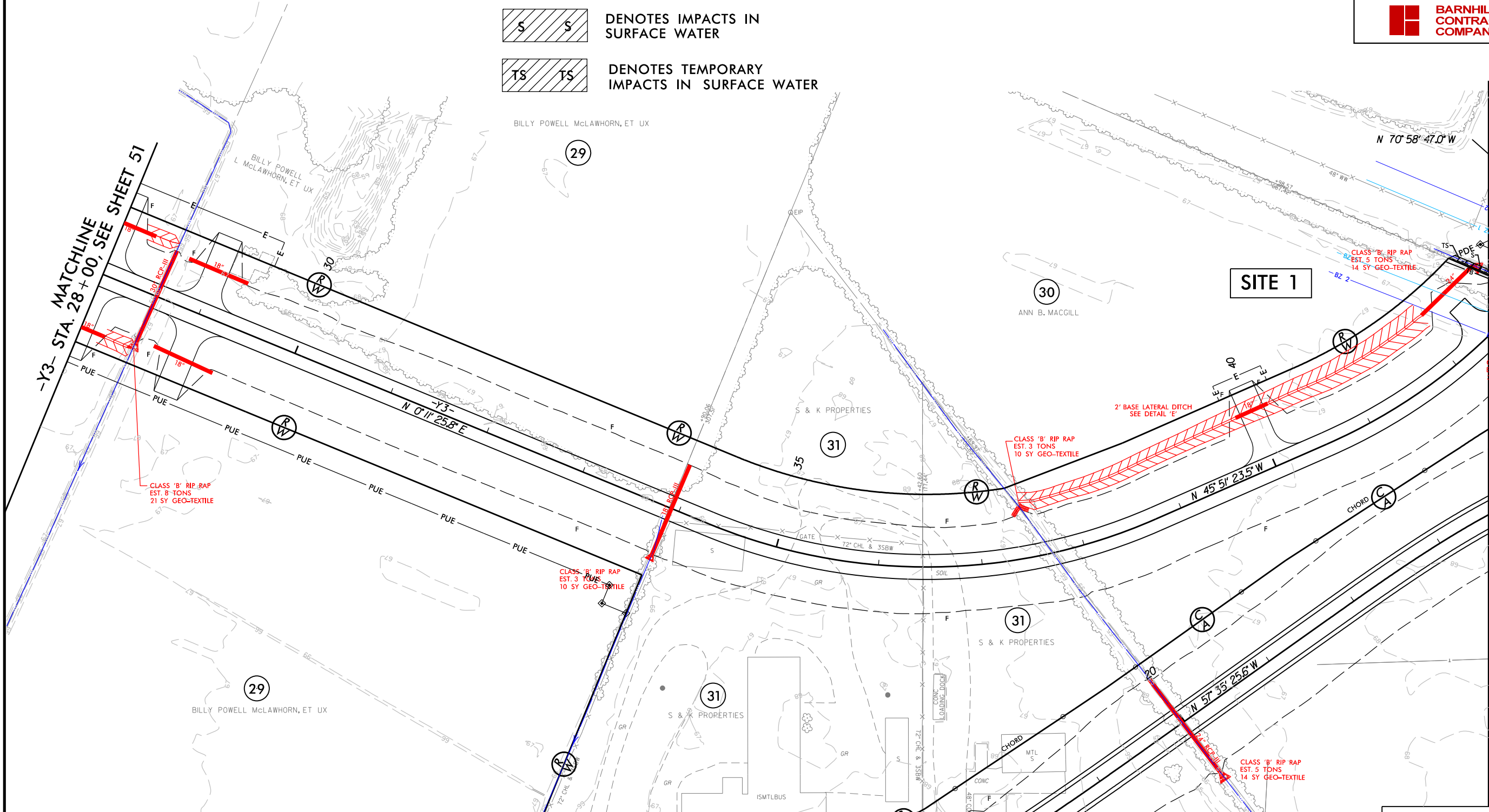
REVISIONS



PROJECT REFERENCE NO.		SHEET NO.
R-2250		8B
RW SHEET NO.		
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION		
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION		
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		
	HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	
	BARNHILL CONTRACTING COMPANY	

LEGEND:

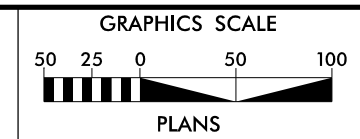
- DENOTES IMPACTS IN SURFACE WATER
- DENOTES TEMPORARY IMPACTS IN SURFACE WATER



MATCHLINE, SEE SHEET 8C

PLOT DRIVER: NCDOT_color_eng_100.plt
USER: kbell
FILE: North_Carolina_Dept_of_Transportation\N-2250A.B.C.Greenville_Southwest-Bypass.DB\06.00_Project_Design\Hydraulics\PERMITS\Environment\Drawings\R2250.HYD.PRM_PSH.dgn
PENTABLE: NCDOT_permits.NCON.tbl
DATE: 12/22/2015
TIME: 14:06:33 PM

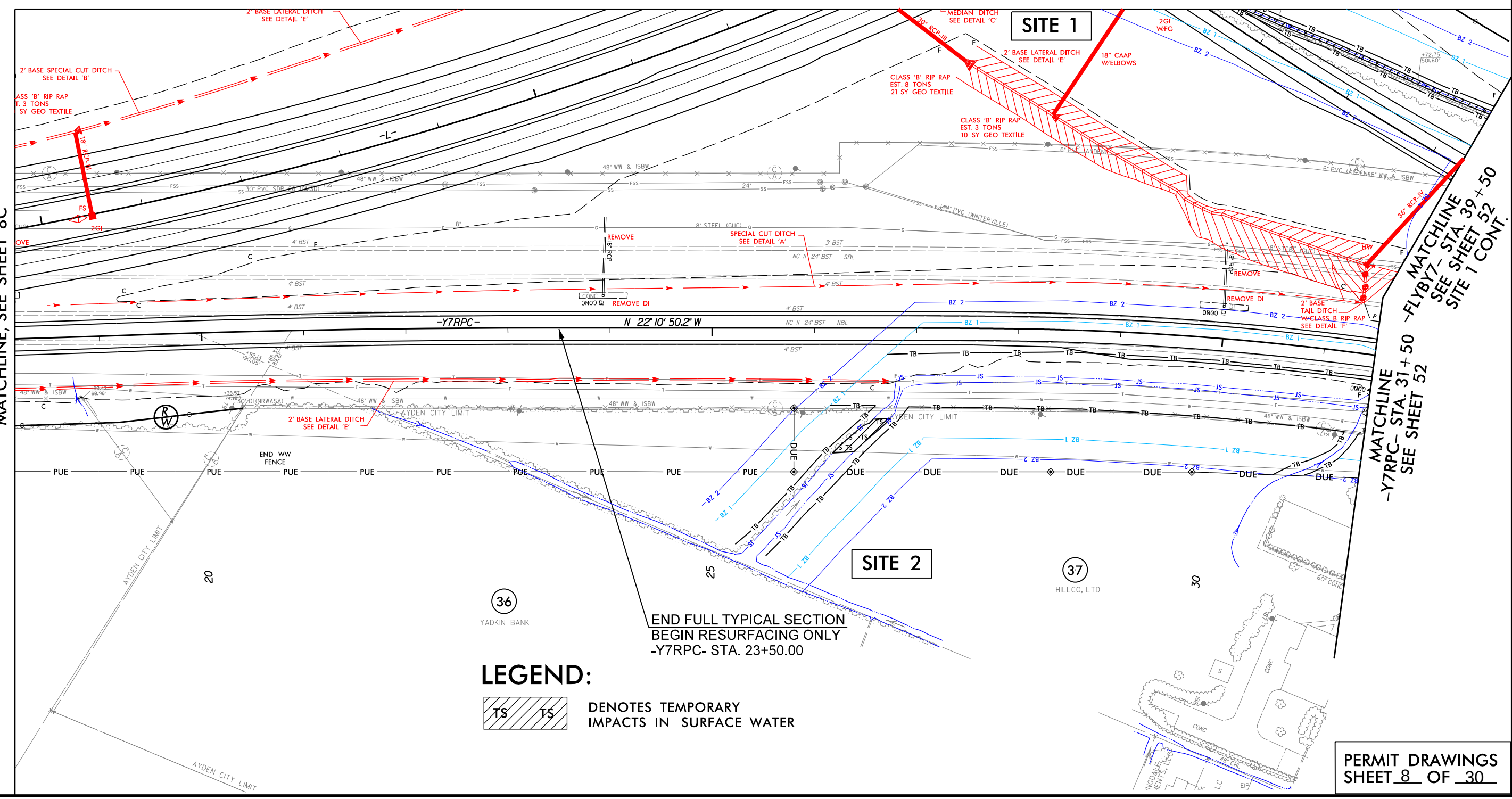
REVISIONS



PROJECT REFERENCE NO.	SHEET NO.
R-2250	8D
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	
BARNHILL CONTRACTING COMPANY	

MATCHLINE, SEE SHEET 8C

MATCHLINE, SEE SHEET 8A

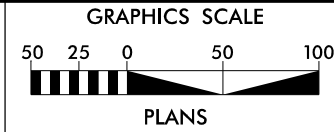


LEGEND:

TS DENOTES TEMPORARY IMPACTS IN SURFACE WATER

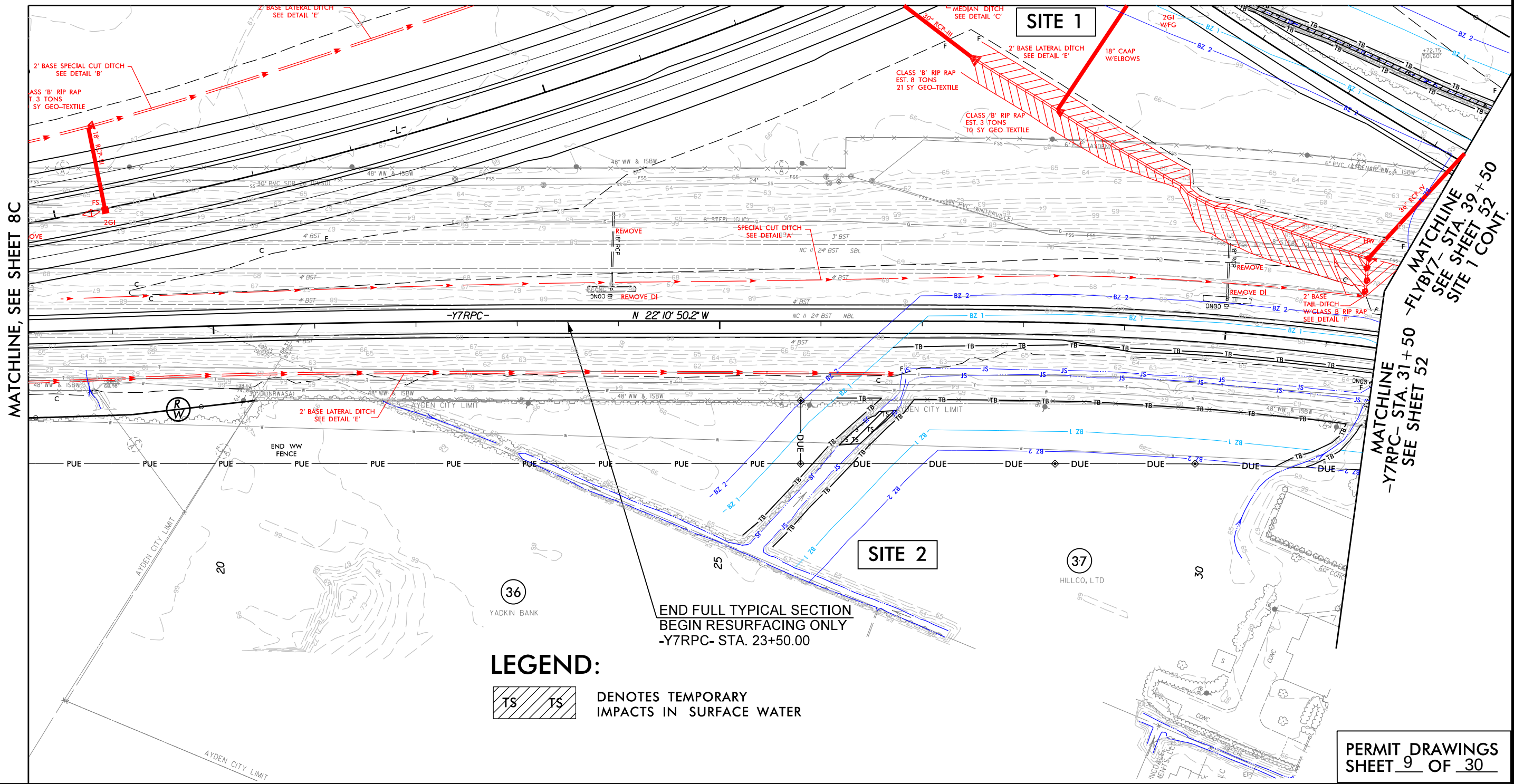
PLOT DRIVER: NCDOT_pdf_color_eng_100.plt
USER: kbell
FILE: North_Carolina_Dept_of_Transportation\R-2250A.B.C.Greenville_Southwest.Bypass.DB\06.00_Project_Design\R-2250.NCDOT_File_Structure\Hydraulics\PERMITS\Environment\Drawings\R2250.HYD.PRM.PSH.dgn
PENTABLE: NCDOT_permits.CON.tbl
DATE: 12/22/2015
TIME: 1:07:14 PM

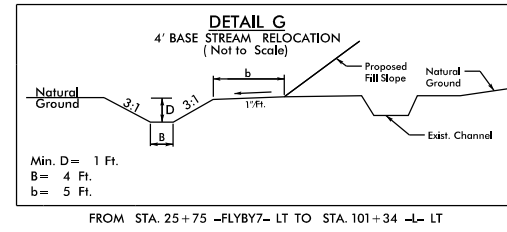
REVISIONS



PROJECT REFERENCE NO. R-2250		SHEET NO. 8D	
R/W SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION			
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION			
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St. Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116			
 BARNHILL CONTRACTING COMPANY			

MATCHLINE, SEE SHEET 8A

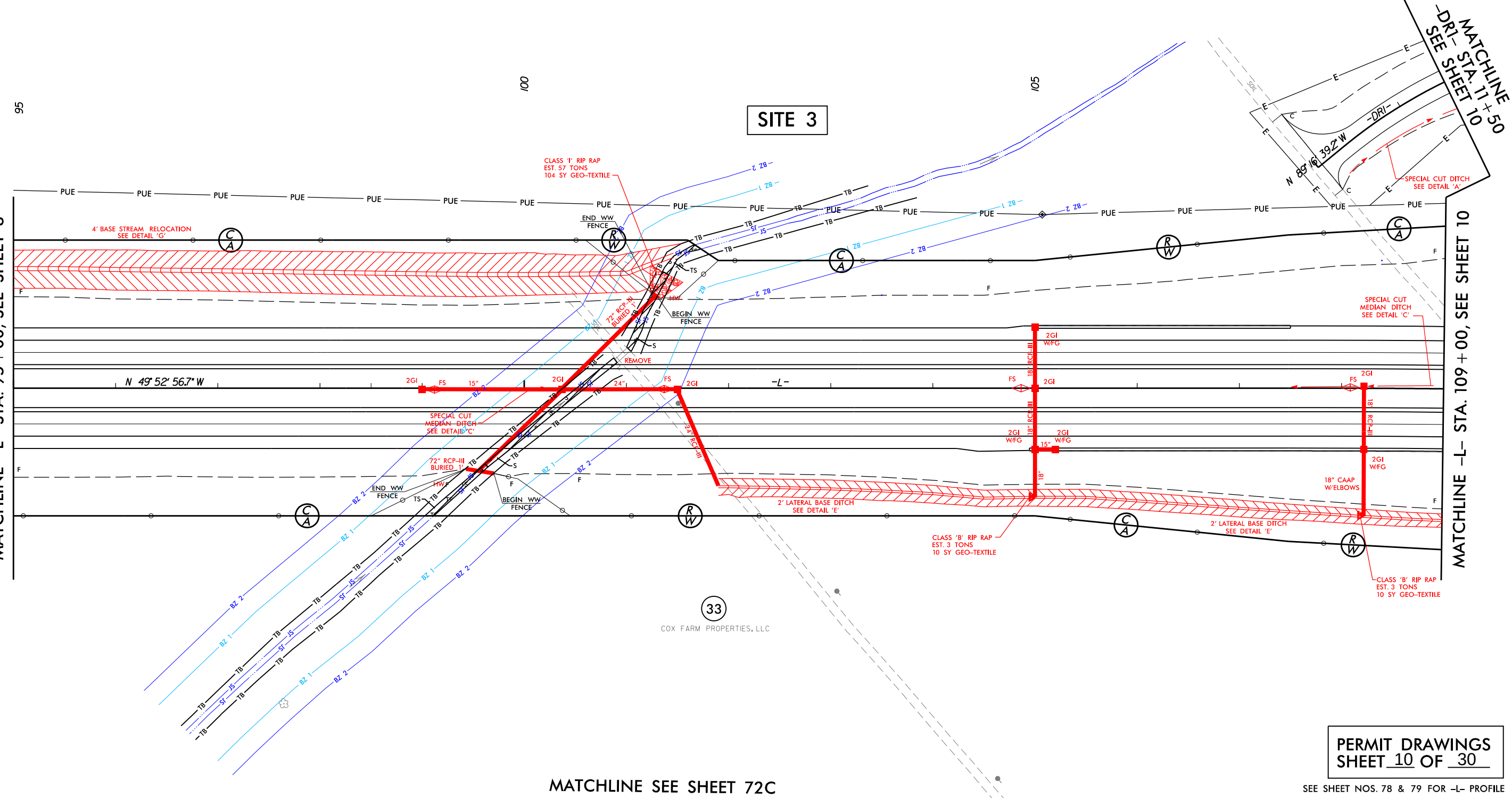




 DENOTES IMPACTS IN SURFACE WATER
DENOTES TEMPORARY IMPACTS IN SURFACE WATER

NAD 83

MATCHLINE -L- STA. 109+00, SEE SHEET 10



PERMIT DRAWINGS
SHEET 10 OF 30

SEE SHEET NOS. 78 & 79 FOR -L- PROFILE

MATCHLINE SEE SHEET 72C

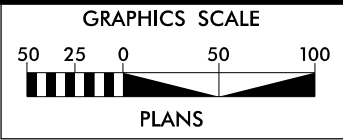
PLOT DRIVER: NC00T_pcf_color_eng.100.plt
PENTABLE: NC00T_permits.NOCON.tbl
USER: kbell
DATE: 1/12/2016
TIME: 3:22:12 PM
FILE: North_Carolina_Dept.of_Transportation\R_2250A.B.C.Greenville_Southwest_Bypass.DB\06.00_Project_Design\R-2250_NC00T_File_Structure\Hydraulics\PERMITS_Environment\Drawings\R2250_HY0.PRM_PSH.dgn

REVISIONS

PLOT DRIVER: NCDOT_color_eng-100.plt
USER: kbell
FILE: North.Carolina.Dept.of.Transportation\R-2250A.B.C.Greenville.Southwest.Bypass.DB\06.00_Project_Design\R-2250.NCDOT.File.Structure\Hydraulics\PERMITS\Environment\Drawings\R2250.HYD.PRM.PSH.dgn
PENTABLE: NCDOT_permits.CON.tbl
TIME: 3:23:15 PM
DATE: 1/12/2016

REVISIONS

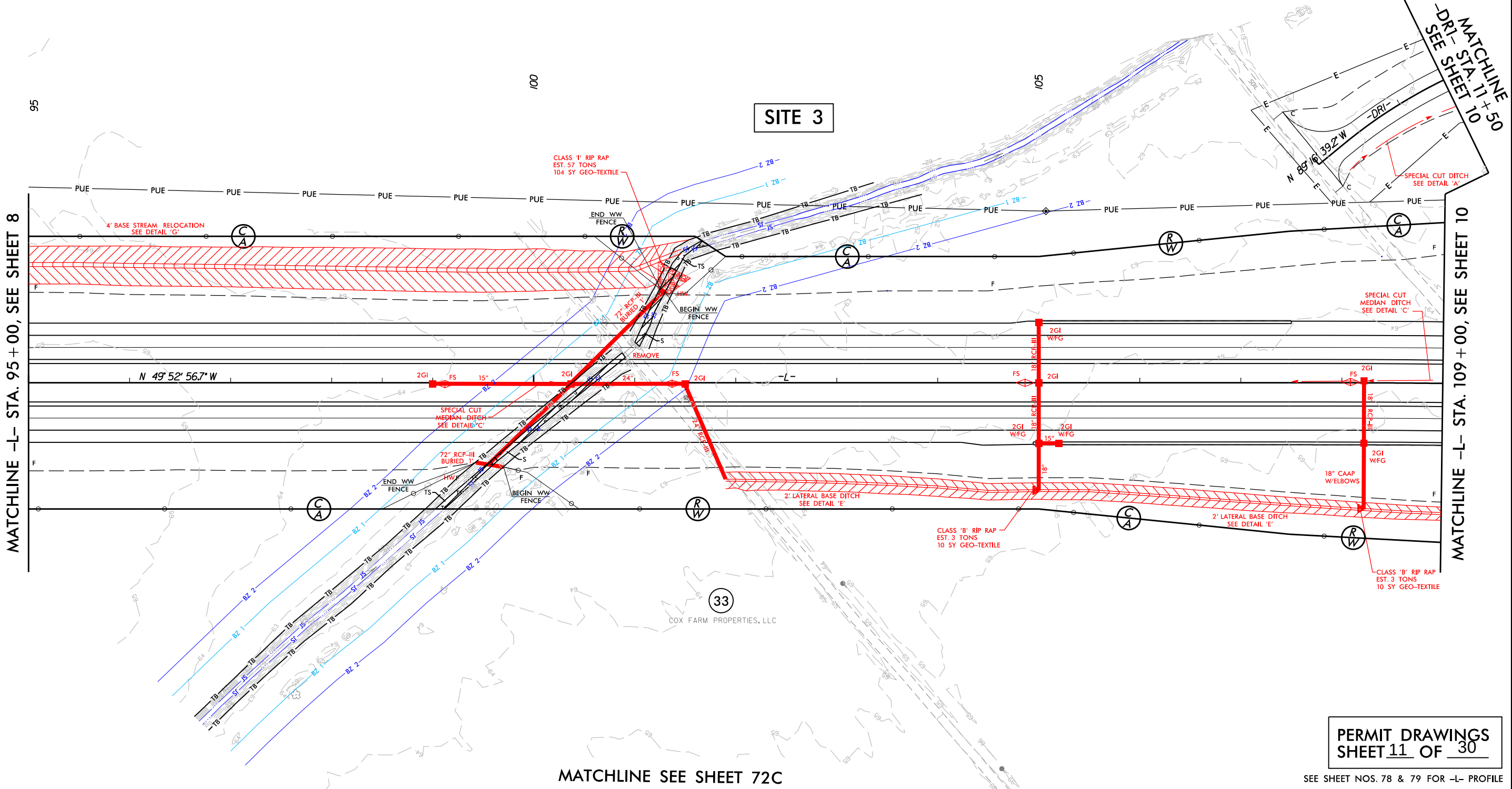
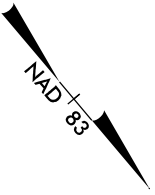
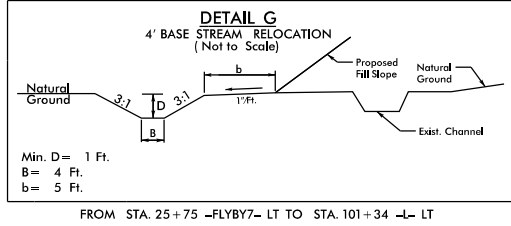
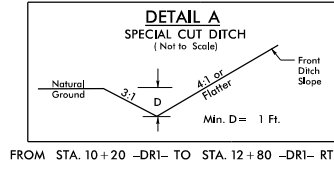
MATCHLINE SEE SHEET 72A



PROJECT REFERENCE NO. R-2250		SHEET NO. 9	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION			
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION			
HDR Engineering, Inc. of the Carolinas 555 Fayetteville St. Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116			
BARNHILL CONTRACTING COMPANY			

LEGEND:

- DENOTES IMPACTS IN SURFACE WATER
- DENOTES TEMPORARY IMPACTS IN SURFACE WATER

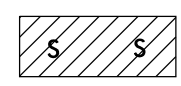


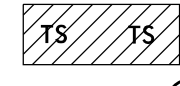
PERMIT DRAWINGS
SHEET 11 OF 30

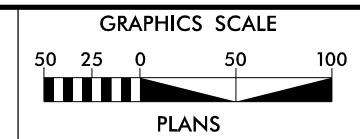
SEE SHEET NOS. 78 & 79 FOR -L- PROFILE

PLOT DRIVER: NCDOT_pdf_color_eng_100.plt
PENTABLE: NCDOT_permit.s.NCON.tbl
USER: kbell
DATE: 12/28/2015
TIME: 8:30:56 AM
FILE: North.Carolina.Dept.of.Transportation\R-2250A.B.C.Greenville.Southwest.Bypass.DB\06.00_Project_Design\R-2250.NCDOT.File.Structure\Hydraulics\PERMITS\Environment\Drawings\R2250.HYD.PRM.PSH.dgn

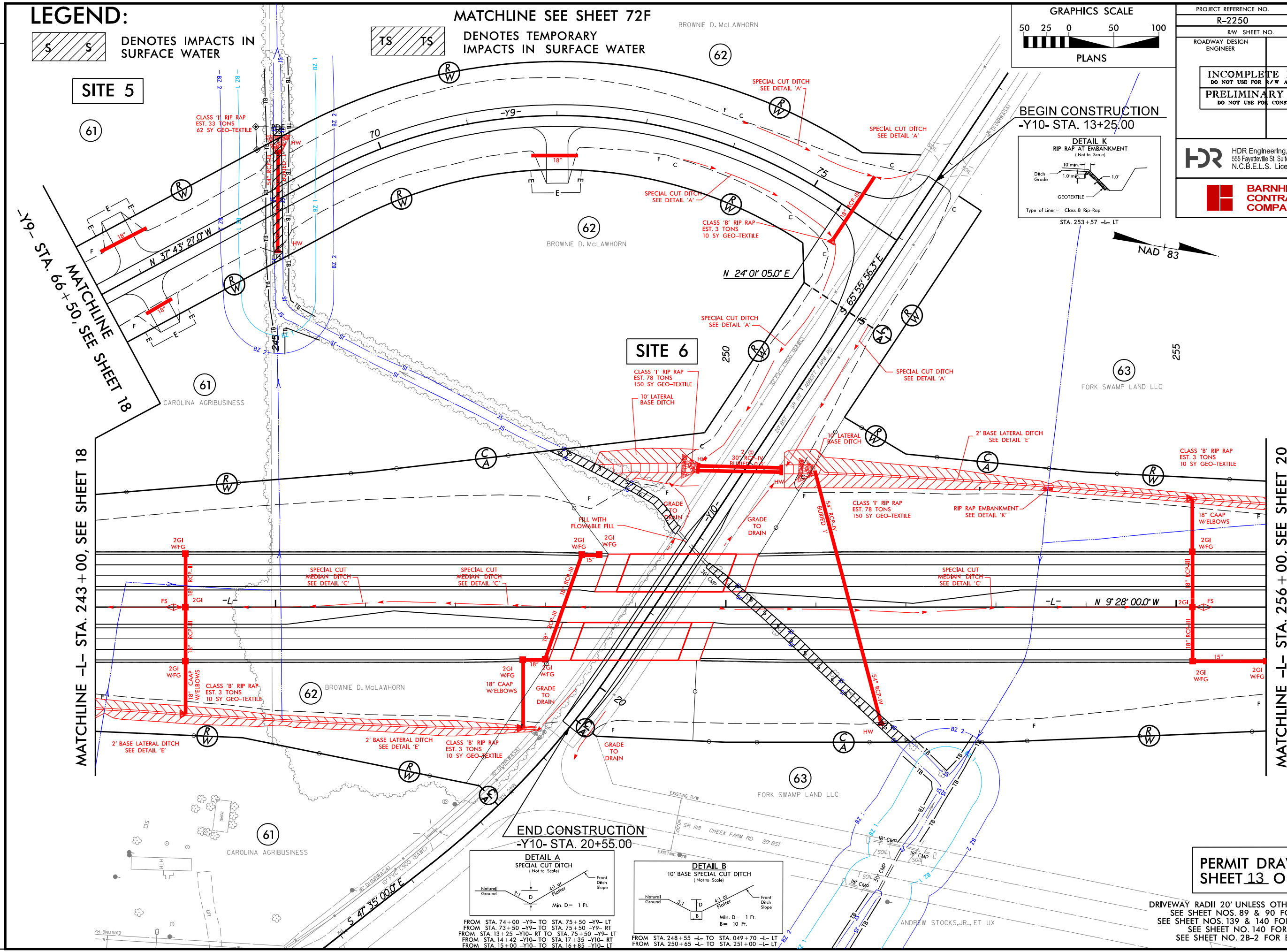
LEGEND:

 DENOTES IMPACTS IN SURFACE WATER

 DENOTES TEMPORARY IMPACTS IN SURFACE WATER



PROJECT REFERENCE NO. R-2250		SHEET NO. 19	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION			
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION			
 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St. Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116			
 BARNHILL CONTRACTING COMPANY			

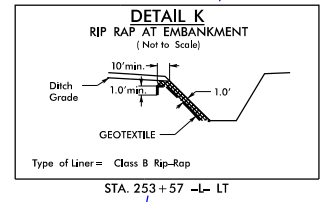
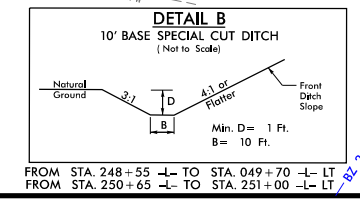
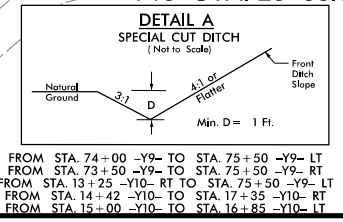


MATCHLINE -L- STA. 243 + 00, SEE SHEET 18

MATCHLINE -L- STA. 256 + 00, SEE SHEET 20

END CONSTRUCTION
-Y10- STA. 20+55.00

BEGIN CONSTRUCTION
-Y10- STA. 13+25.00



PERMIT DRAWINGS
SHEET 13 OF 30

DRIVEWAY RADII 20' UNLESS OTHERWISE NOTED
SEE SHEET NOS. 89 & 90 FOR -L- PROFILE
SEE SHEET NOS. 139 & 140 FOR -Y9- PROFILE
SEE SHEET NO. 140 FOR -Y10- PROFILE
SEE SHEET NO. 2B-2 FOR BRIDGE SKETCH

LEGEND:



DENOTES IMPACTS IN
SURFACE WATER



DENOTES TEMPORARY
IMPACTS IN SURFACE WATER

SITE 5

61

MATCHLINE -L- STA. 66+50, SEE SHEET 18

MATCHLINE -L- STA. 243+00, SEE SHEET 18

MATCHLINE SEE SHEET 72F

BROWNIE D. McLAWHORN

62

62

BROWNIE D. McLAWHORN

SITE 6

250

N 24°01'05.0"E

SPECIAL CUT DITCH
SEE DETAIL 'A'

CLASS 'B' RIP RAP
EST. 3 TONS
10 SY GEO-TEXTILE

10' LATERAL
BASE DITCH

SPECIAL CUT DITCH
SEE DETAIL 'A'

CLASS 'B' RIP RAP
EST. 3 TONS
10 SY GEO-TEXTILE

10' LATERAL
BASE DITCH

SPECIAL CUT DITCH
SEE DETAIL 'A'

CLASS 'B' RIP RAP
EST. 3 TONS
10 SY GEO-TEXTILE

10' LATERAL
BASE DITCH

SPECIAL CUT DITCH
SEE DETAIL 'A'

CLASS 'B' RIP RAP
EST. 3 TONS
10 SY GEO-TEXTILE

10' LATERAL
BASE DITCH

SPECIAL CUT DITCH
SEE DETAIL 'A'

CLASS 'B' RIP RAP
EST. 3 TONS
10 SY GEO-TEXTILE

10' LATERAL
BASE DITCH

SPECIAL CUT DITCH
SEE DETAIL 'A'

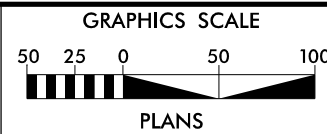
CLASS 'B' RIP RAP
EST. 3 TONS
10 SY GEO-TEXTILE

10' LATERAL
BASE DITCH

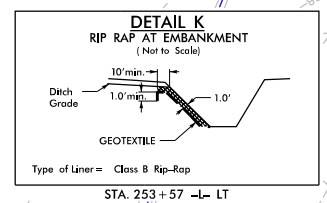
SPECIAL CUT DITCH
SEE DETAIL 'A'

CLASS 'B' RIP RAP
EST. 3 TONS
10 SY GEO-TEXTILE

10' LATERAL
BASE DITCH



BEGIN CONSTRUCTION
-Y10- STA. 13+25/00



PROJECT REFERENCE NO.	SHEET NO.
R-2250	19
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
HDR Engineering, Inc. of the Carolinas 555 Fayetteville St. Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	
BARNHILL CONTRACTING COMPANY	

NAD 83

63

FORK SWAMP LAND LLC

CLASS 'B' RIP RAP
EST. 3 TONS
10 SY GEO-TEXTILE

18" CAAP
W/ELBOWS

2GI
WFG

2GI
WFG

2GI
WFG

2GI
WFG

2GI
WFG

2GI
WFG

2GI
WFG

2GI
WFG

2GI
WFG

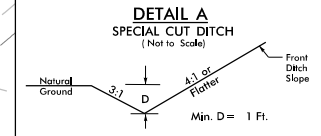
2GI
WFG

2GI
WFG

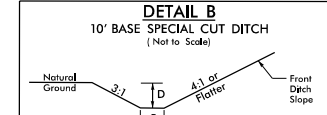
2GI
WFG

MATCHLINE -L- STA. 256+00, SEE SHEET 20

END CONSTRUCTION
-Y10- STA. 20+55.00



FROM STA. 74+00 -Y9- TO STA. 75+50 -Y9- LT
FROM STA. 73+50 -Y9- TO STA. 75+50 -Y9- RT
FROM STA. 13+25 -Y10- TO STA. 17+35 -Y10- LT
FROM STA. 14+42 -Y10- TO STA. 17+35 -Y10- RT
FROM STA. 15+00 -Y10- TO STA. 16+85 -Y10- LT



FROM STA. 248+55 -L- TO STA. 049+70 -L- LT
FROM STA. 250+65 -L- TO STA. 251+00 -L- LT

PERMIT DRAWINGS
SHEET 14 OF 30

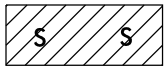
DRIVEWAY RADII 20' UNLESS OTHERWISE NOTED
SEE SHEET NOS. 89 & 90 FOR -L- PROFILE
SEE SHEET NOS. 139 & 140 FOR -Y9- PROFILE
SEE SHEET NO. 140 FOR -Y10- PROFILE
SEE SHEET NO. 2B-2 FOR BRIDGE SKETCH

PLOT DRIVER: NCDOT_pdf_color_eng_100.plt
USER: kbell
FILE: North.Carolina.Dept.of.Transportation\R-2250A.B.C.Greenville.Southwest.Bypass.DB\06.00_Project_Design\R-2250.NCDOT.File.Structure\Hydraulics\PERMITS\Environment\Drawings\R2250.HYD.PRM.PSH.dgn

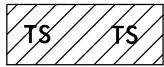
PENTABLE: NCDOT_permits.NCON.tbl
TIME: 9:36:59 AM
DATE: 1/7/2016

REVISIONS

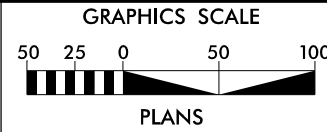
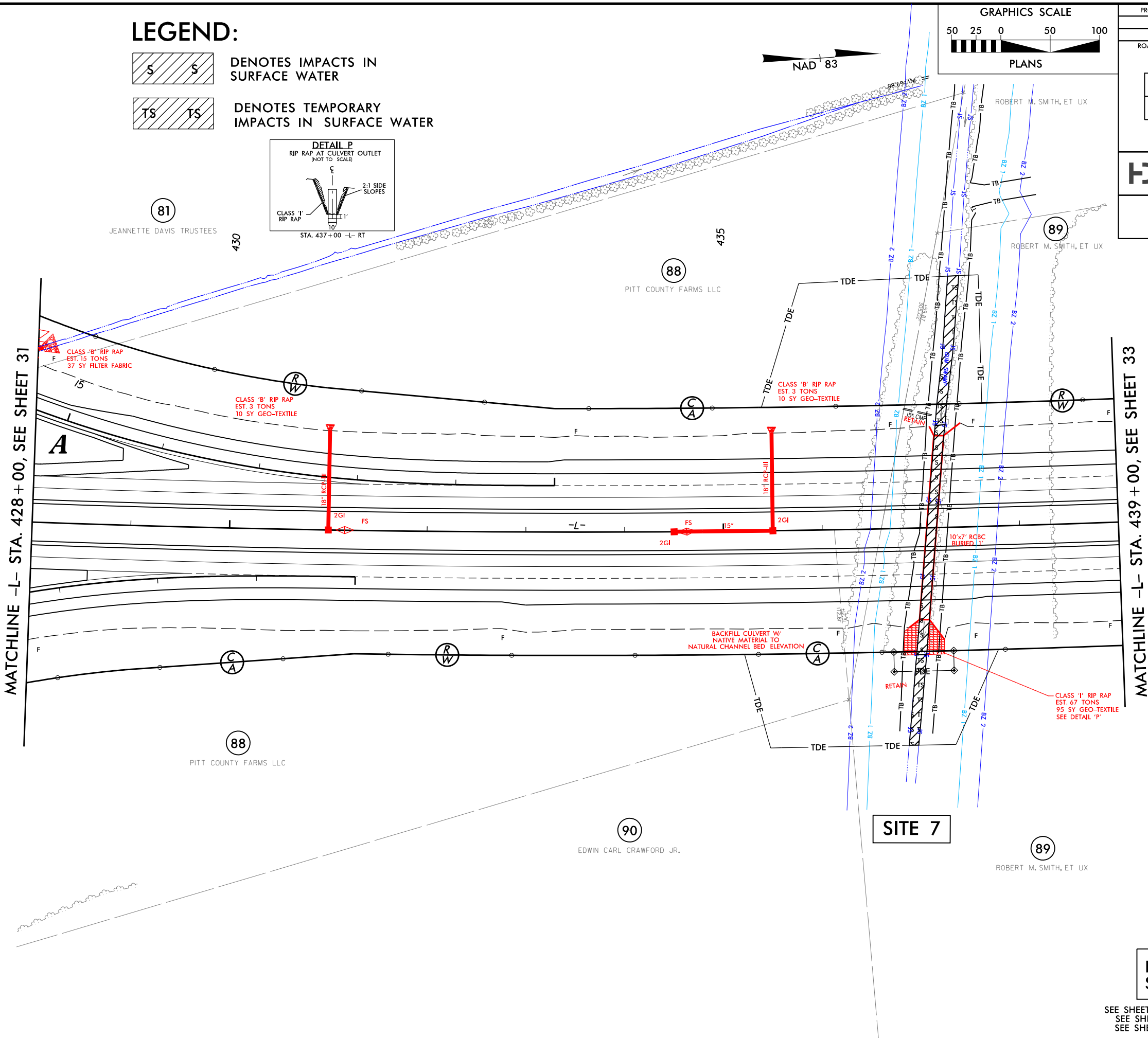
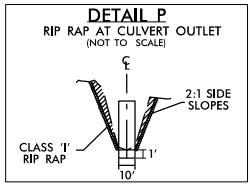
LEGEND:



DENOTES IMPACTS IN
SURFACE WATER



DENOTES TEMPORARY
IMPACTS IN SURFACE WATER



PROJECT REFERENCE NO. R-2250		SHEET NO. 32	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION		PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
HDR Engineering, Inc. of the Carolinas 555 Fayetteville St. Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116			
BARNHILL CONTRACTING COMPANY			

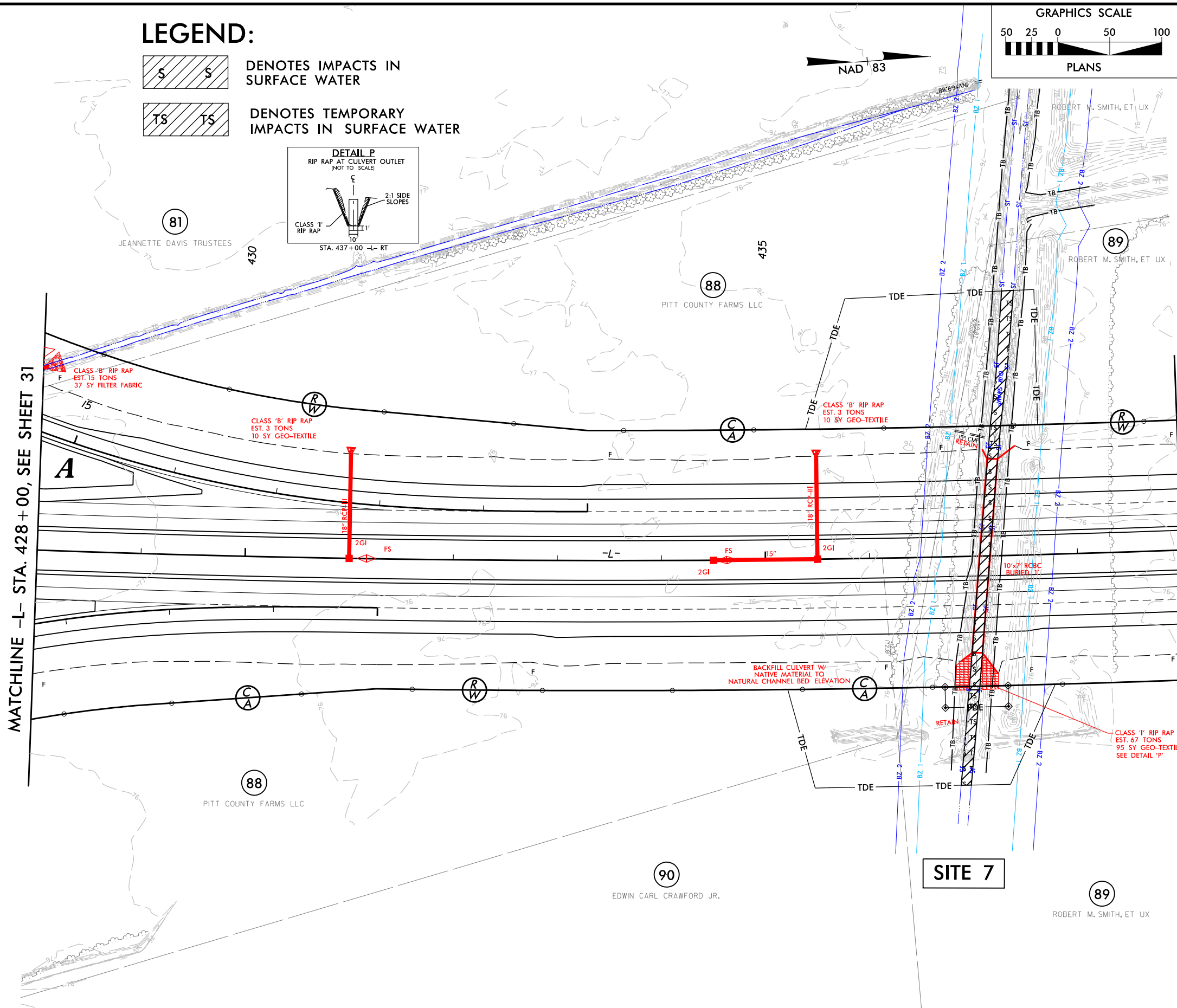
PERMIT DRAWINGS
SHEET 15 OF 30

SEE SHEET NOS. 102 & 103 FOR -L- PROFILE
SEE SHEET NO. 144 FOR -Y14RPA- PROFILE
SEE SHEET NO. 147 FOR -Y14RPD- PROFILE

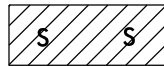
PLOT DRIVER: NCDOT_pdf_color_eng-100.plt
USER: kbell
FILE: North.Carolina.Dept.of.Transportation\R-2250A.B.C.Greenville.Southwest.Bypass.DB\06.00_Project_Design\R-2250.NCDOT.File.Structure\Hydraulics\PERMITS\Environment\Drawings\R2250.HYD.PRM.PSH.dgn

PENTABLE: NCDOT_permits.CON.tbl
TIME: 9:36:07 AM
DATE: 1/7/2016

REVISIONS



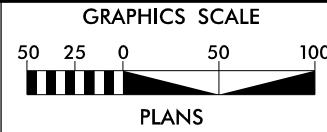
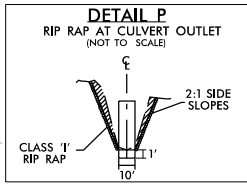
LEGEND:



DENOTES IMPACTS IN SURFACE WATER



DENOTES TEMPORARY IMPACTS IN SURFACE WATER



PROJECT REFERENCE NO. R-2250		SHEET NO. 32	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION		PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St. Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116			
 BARNHILL CONTRACTING COMPANY			

MATCHLINE -L- STA. 428 + 00, SEE SHEET 31

MATCHLINE -L- STA. 439 + 00, SEE SHEET 33

SITE 7

PERMIT DRAWINGS
SHEET 16 OF 30

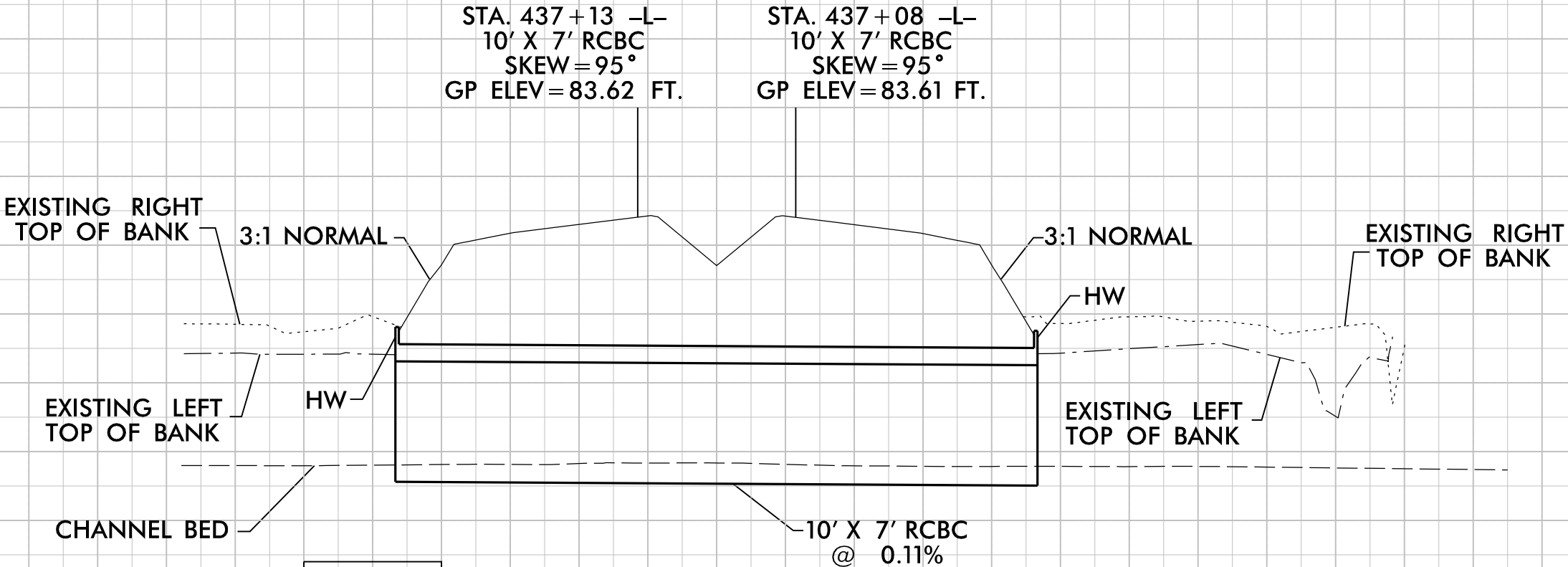
SEE SHEET NOS. 102 & 103 FOR -L- PROFILE
SEE SHEET NO. 144 FOR -Y14RPA- PROFILE
SEE SHEET NO. 147 FOR -Y14RPD- PROFILE

5/14/99

PROJECT REFERENCE NO.		SHEET NO.	
R-2250			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION			
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

SITE 7

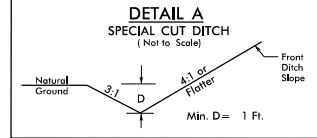
110
100
90
80
70
60
50
40



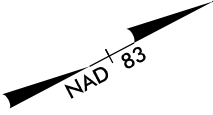
*NWS: NO
WATER IN
CHANNEL

2/2/96 PM
R-2250 HYD. PRM. PIPE_PROFILES.dgn
\$\$\$\$\$USERNAME\$\$\$\$\$

200 100 0 100 200



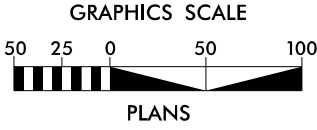
FROM STA. 646+00 -L- TO STA. 647+00 -L- LT



LEGEND:



DENOTES FILL IN
WETLAND



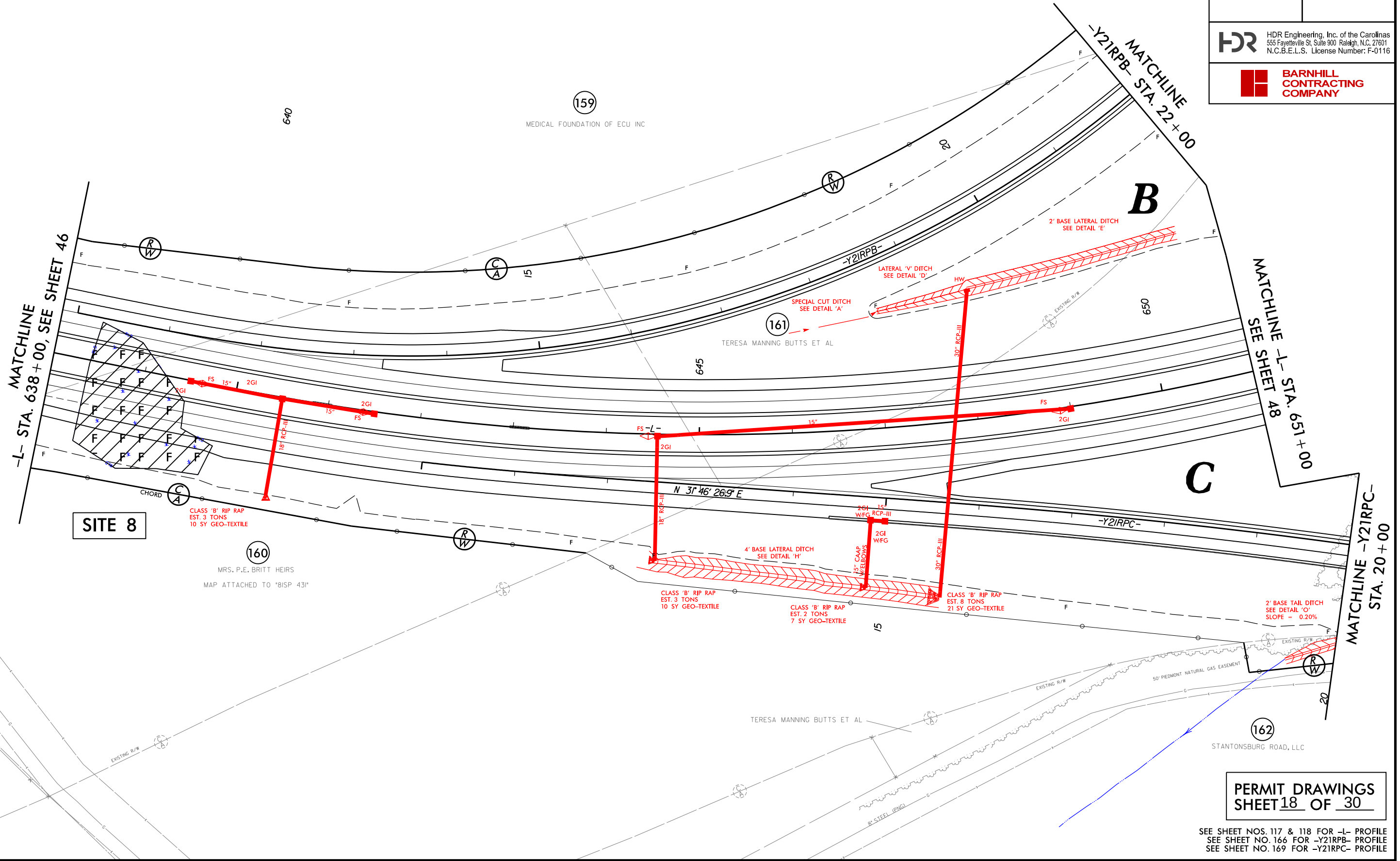
PROJECT REFERENCE NO.		SHEET NO.	
R-2250		47	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION		PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	



HDR Engineering, Inc. of the Carolinas
 555 Fayetteville St, Suite 2601 Raleigh, N.C. 27601
 N.C.B.E.L.S. License Number: F-0116



**BARNHILL
CONTRACTING
COMPANY**



PERMIT DRAWINGS
SHEET 18 OF 30

SEE SHEET NOS. 117 & 118 FOR -L- PROFILE
SEE SHEET NO. 166 FOR -Y21RPB- PROFILE
SEE SHEET NO. 169 FOR -Y21RPC- PROFILE

PLOT DRIVER: NC00T_pdf_color_100.plt
PENTABLE: NC00T_permits_NOCON.tbl
USER: kbell
DATE: 12/21/2015
TIME: 2:21:00 PM
FILE: North_Carolina_Dept_of_Transportation\R-2250A-B-C_Greenville_Southwest_Bypass.DB\06.00_Project_Design\R-2250_NC00T_File_Structure\Hydraulics\PERMITS_Environmental\Drawings\R2250_HYD_PEM_PSH.dgn



GRAPHICS SCALE

50 25 0 50 100

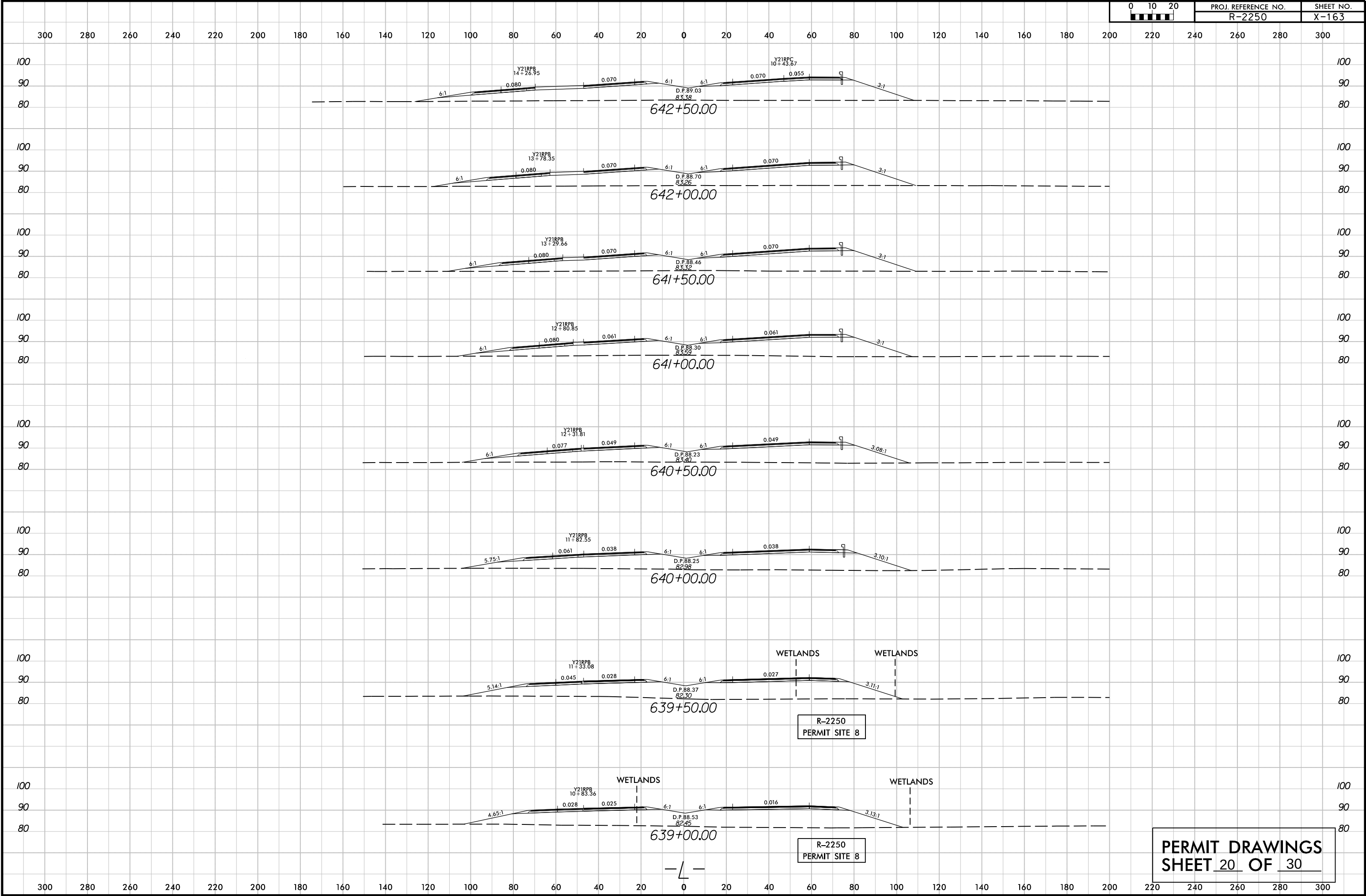
PLANS

INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION
---	---

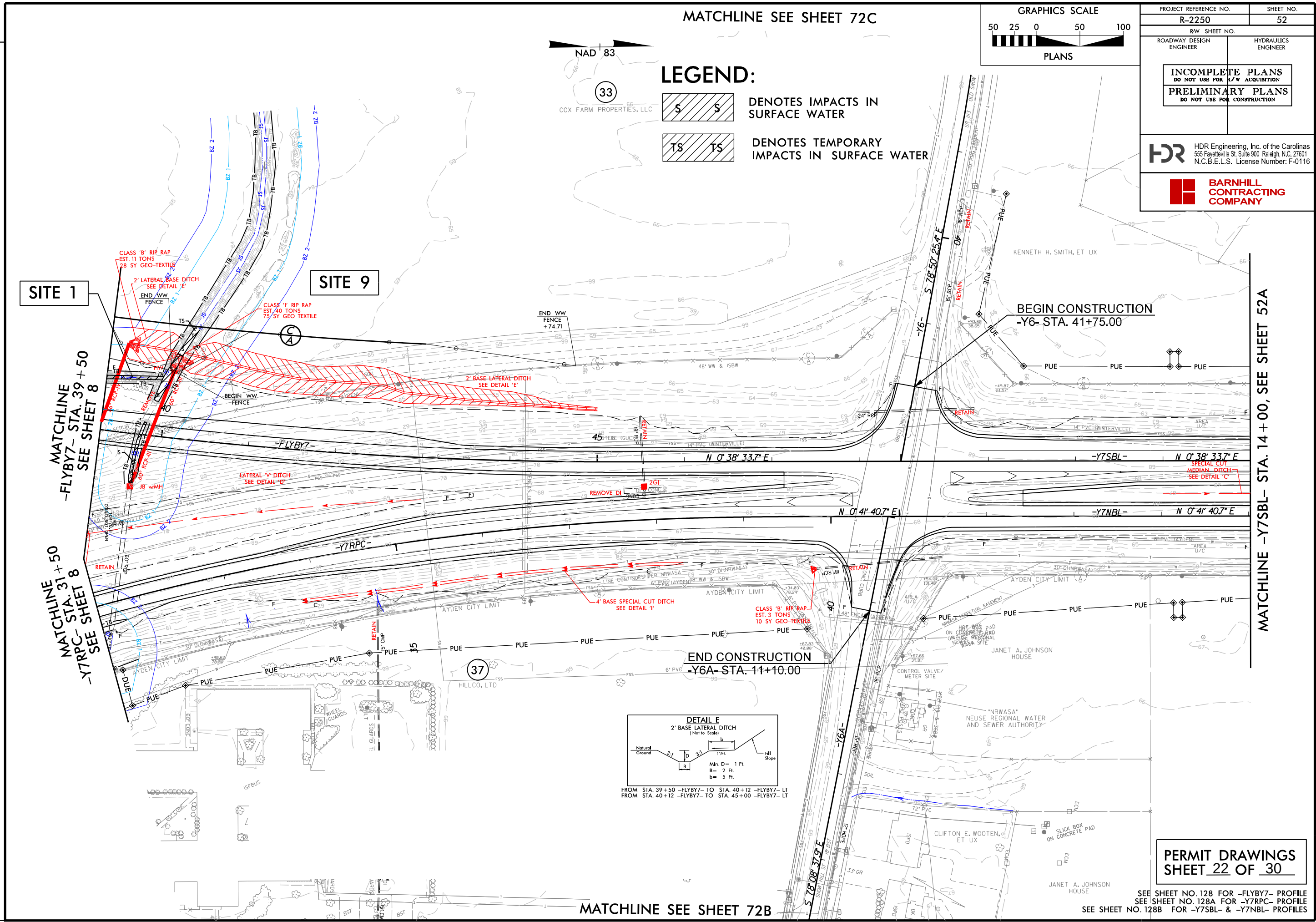


PLOT DRIVER: NC00T_pcf_color_eng.100.plt
PENTABLE: NC00T_permits.CON.tbl
USER: kbell
DATE: 12/21/2015
TIME: 2:37:51 PM
FILE: North_Carolina.Dept.of.Transportation\R.2250A.B.C.Greenville.Southwest.Bypass.DB\06.00.Project_Design\R-2250_NC00T.File.Structure\Hydraulics\PERMITS.Environmental\Drawings\R2250_HYD_PRM_PSH.dgn

8/23/99



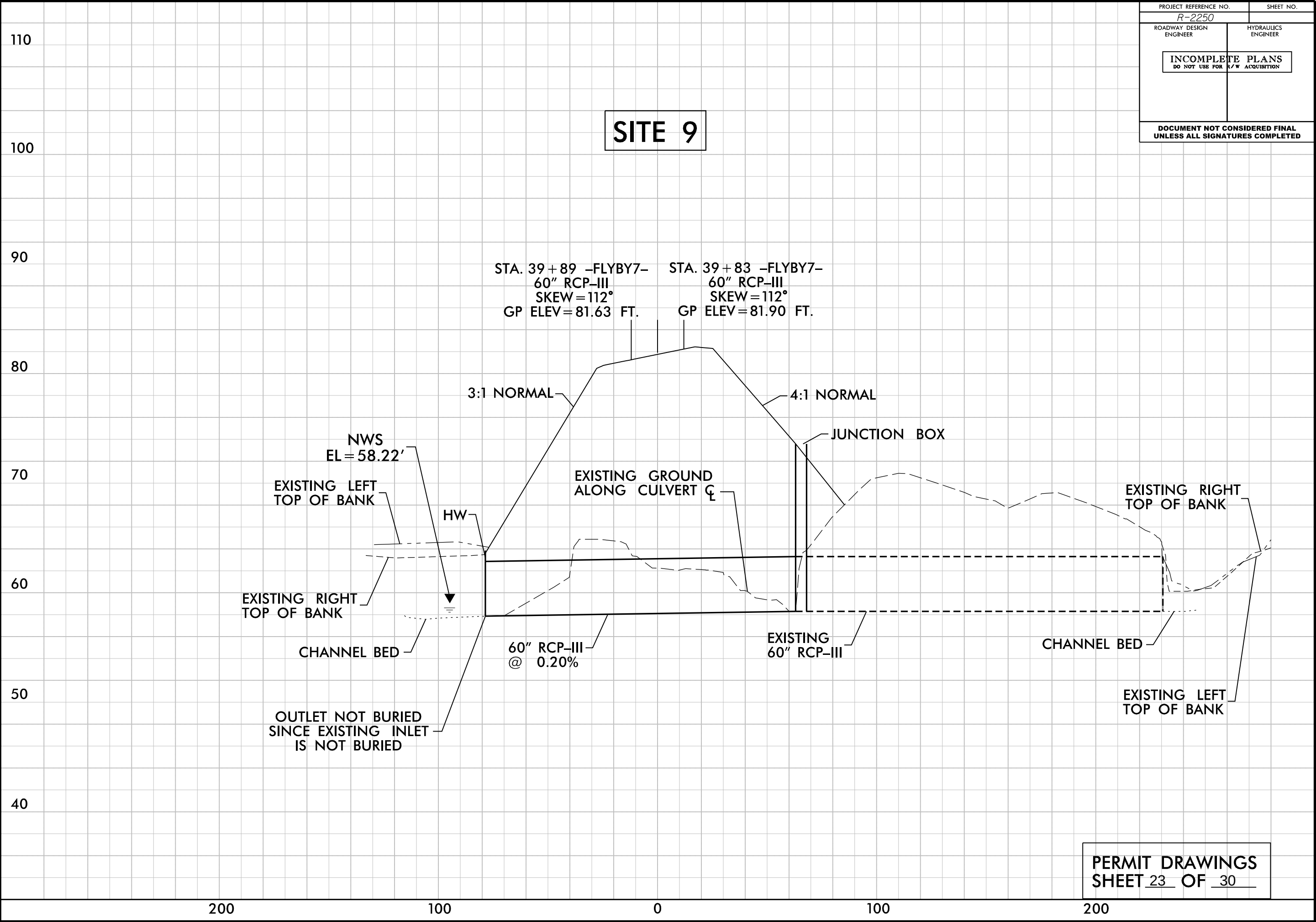
REVISIONS



5/14/99

R24220.PK
R-2250 HYD PRM PIPE PROFILES.dgn
\$\$\$\$\$USERNAME\$\$\$\$\$

PROJECT REFERENCE NO.		SHEET NO.	
R-2250			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION			
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			



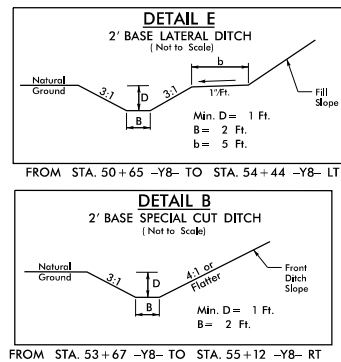
PLOT DRIVER: NCDOT_color_eng-100.plt
USER: kbell
FILE: North.Carolina.Dept.of.Transportation\R-2250A.B.C.Greenville.Southwest.Bypass.DB\06.00_Project_Design\R-2250.NCDOT.File.Structure\Hydraulics\PERMITS\Environment\Drawings\R2250.HYD.PRM.PSH.dgn

PENTABLE: NCDOT_permits.NCON.tbl
TIME: 3:36:10 PM
DATE: 1/12/2016

REVISIONS

MATCHLINE -Y8- STA. 53 + 00, SEE SHEET 54

MATCHLINE -Y8- STA. 62 + 50, SEE SHEET 52C



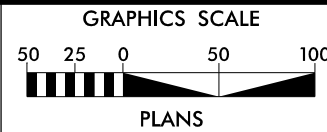
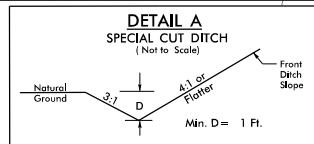
LEGEND:



DENOTES IMPACTS IN
SURFACE WATER



DENOTES TEMPORARY
IMPACTS IN SURFACE WATER



PROJECT REFERENCE NO. R-2250		SHEET NO. 55	
R/W SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION			
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION			
 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St. Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116			
 BARNHILL CONTRACTING COMPANY			

PERMIT DRAWINGS
SHEET 24 OF 30

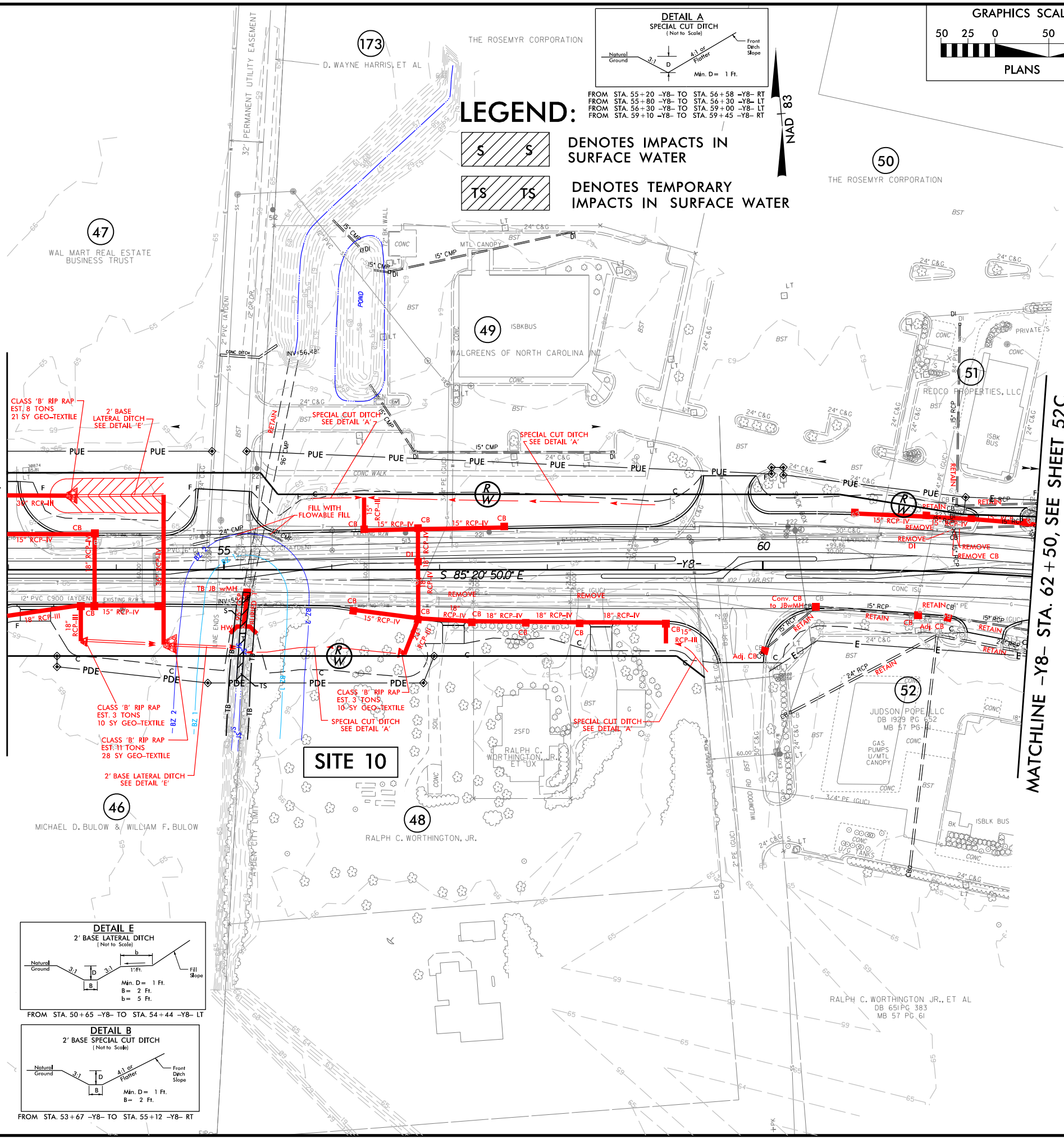
SEE SHEET NO. 130 FOR -Y8- PROFILE

PLOT DRIVER: NCDOT_color_eng_100.plt
USER: kbell
FILE: North.Carolina.Dept.of.Transportation\R-2250A.B.C.Greenville.Southwest.Bypass.DB\06.00_Project_Design\R-2250.NCDOT.File.Structure\Hydraulics\PERMITS.Environmental\Drawings\R2250.HYD.PRM.PSH.dgn
PENTABLE: NCDOT_permits.CON.tbl
TIME: 3:36:54 PM
DATE: 1/12/2016

REVISIONS

MATCHLINE -Y8- STA. 53 + 00, SEE SHEET 54

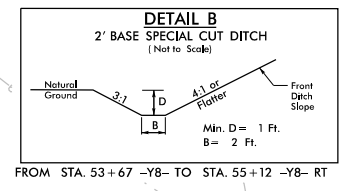
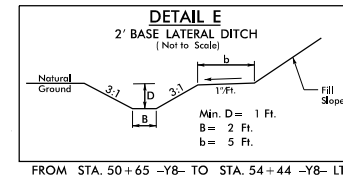
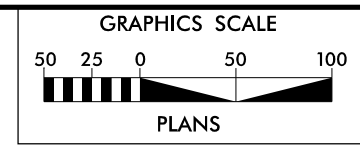
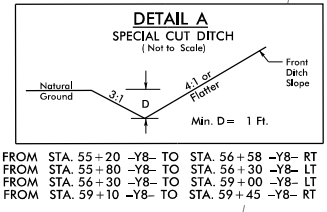
MATCHLINE -Y8- STA. 62 + 50, SEE SHEET 52C



LEGEND:

 DENOTES IMPACTS IN SURFACE WATER

 DENOTES TEMPORARY IMPACTS IN SURFACE WATER



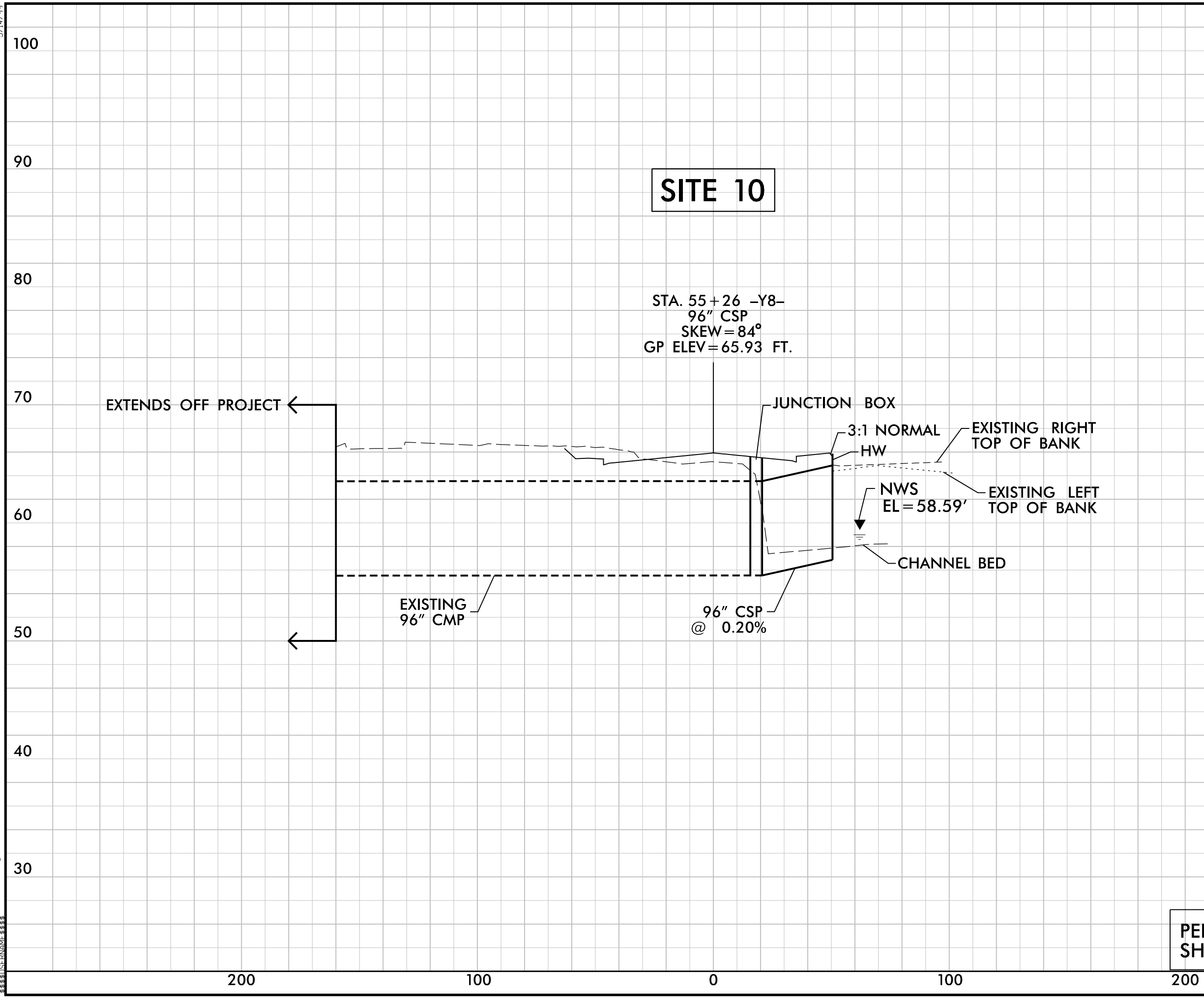
PROJECT REFERENCE NO. R-2250		SHEET NO. 55	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
INCOMPLETE PLANS DO NOT USE FOR E/W ACQUISITION			
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION			
 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St. Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116			
 BARNHILL CONTRACTING COMPANY			

PERMIT DRAWINGS
SHEET 25 OF 30

SEE SHEET NO. 130 FOR -Y8- PROFILE

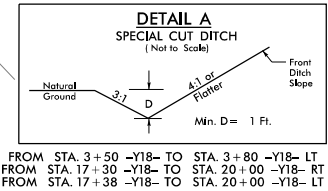
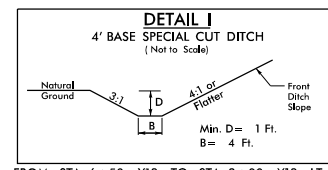
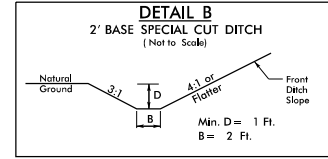
5/14/99
2:42:31 PM
R-2250 HYD.PRM.PIPES.PROFILES.dgn
\$\$\$\$\$SYTIME\$\$\$\$\$

PROJECT REFERENCE NO.	SHEET NO.
R-2250	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



PLOT DRIVER: NCDOT.pdf_color_eng_100.plt
USER: kbell
FILE: North.Carolina.Dept.of.Transportation\R-2250A.B.C.Greenville.Southwest.Bypass.DB\06.00.Project_Design\Hydraulics\PERMITS.Environmental\Drawings\R2250.HYD.PRM.PSH.dgn
PENTABLE: NCDOT_permit.NCON.tbl
TIME: 3:31:50 PM
DATE: 1/12/2016

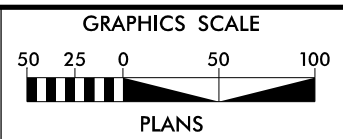
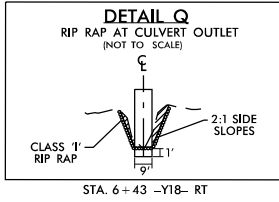
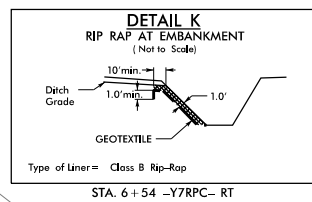
REVISIONS



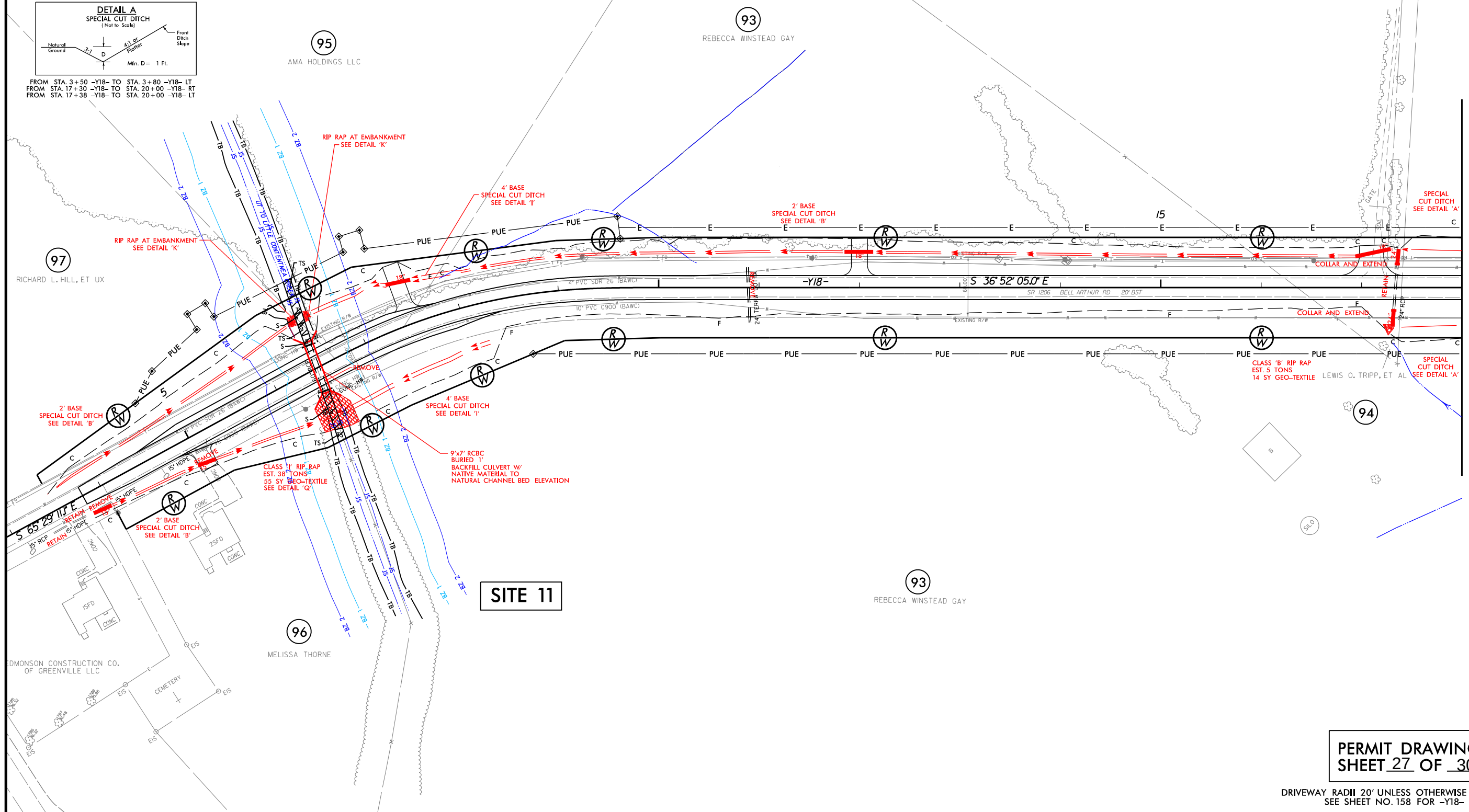
LEGEND:

DENOTES IMPACTS IN SURFACE WATER

DENOTES TEMPORARY IMPACTS IN SURFACE WATER



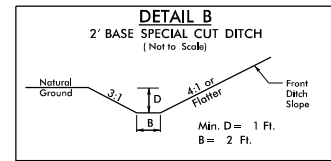
PROJECT REFERENCE NO. R-2250		SHEET NO. 67	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION			
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION			
HDR Engineering, Inc. of the Carolinas 555 Fayetteville St. Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116			
BARNHILL CONTRACTING COMPANY			



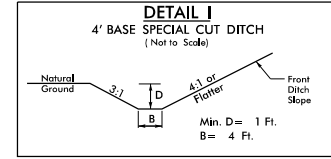
PERMIT DRAWINGS
SHEET 27 OF 30

DRIVEWAY RADII 20' UNLESS OTHERWISE NOTED
SEE SHEET NO. 158 FOR -Y18- PROFILE

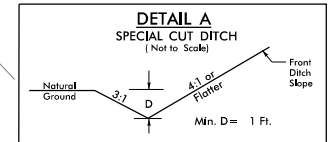
REVISIONS



FROM STA. 3+80 -Y18- TO STA. 6+50 -Y18- LT
FROM STA. 3+80 -Y18- TO STA. 6+36 -Y18- RT
FROM STA. 8+00 -Y18- TO STA. 17+00 -Y18- LT



FROM STA. 6+50 -Y18- TO STA. 8+00 -Y18- LT
FROM STA. 6+40 -Y18- TO STA. 8+22 -Y18- RT



FROM STA. 3+50 -Y18- TO STA. 3+80 -Y18- LT
FROM STA. 17+30 -Y18- TO STA. 20+00 -Y18- RT
FROM STA. 17+38 -Y18- TO STA. 20+00 -Y18- LT

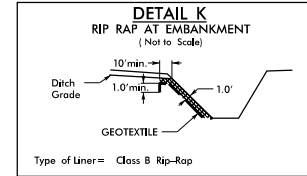
LEGEND:



DENOTES IMPACTS IN
SURFACE WATER

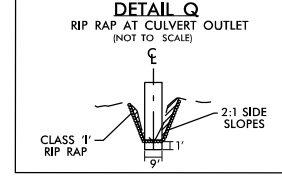


DENOTES TEMPORARY
IMPACTS IN SURFACE WATER

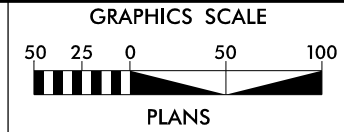


Type of Liner = Class B Rip-Rap

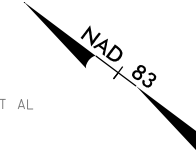
STA. 6+54 -Y7RPC- RT



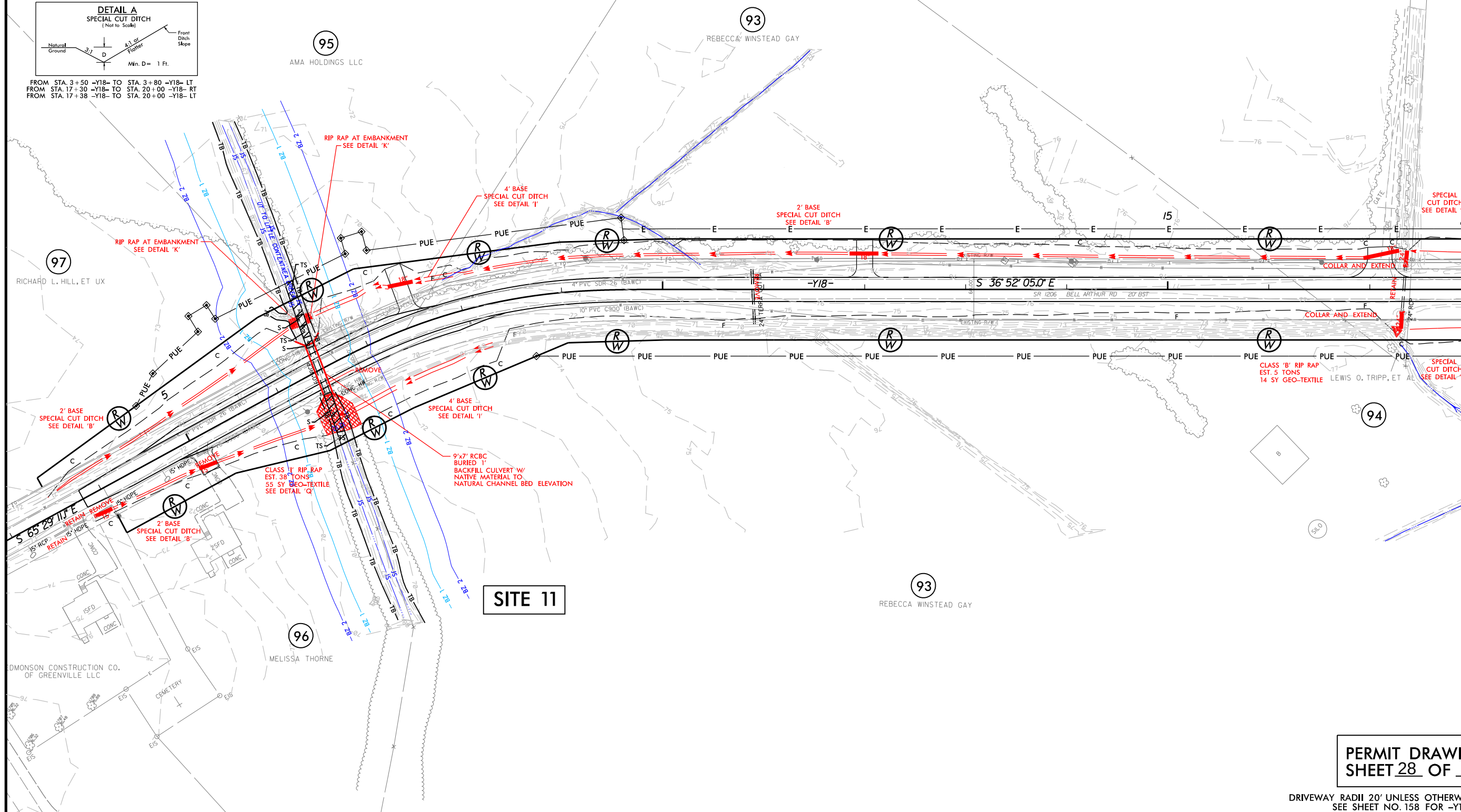
STA. 6+43 -Y18- RT



94
LEWIS O. TRIPP, ET AL



PROJECT REFERENCE NO.		SHEET NO.	
R-2250		67	
R/W SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION			
		HDR Engineering, Inc. of the Carolinas 555 Fayetteville St. Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	
		BARNHILL CONTRACTING COMPANY	



MATCHLINE -Y18- STA. 18+00, SEE SHEET 59

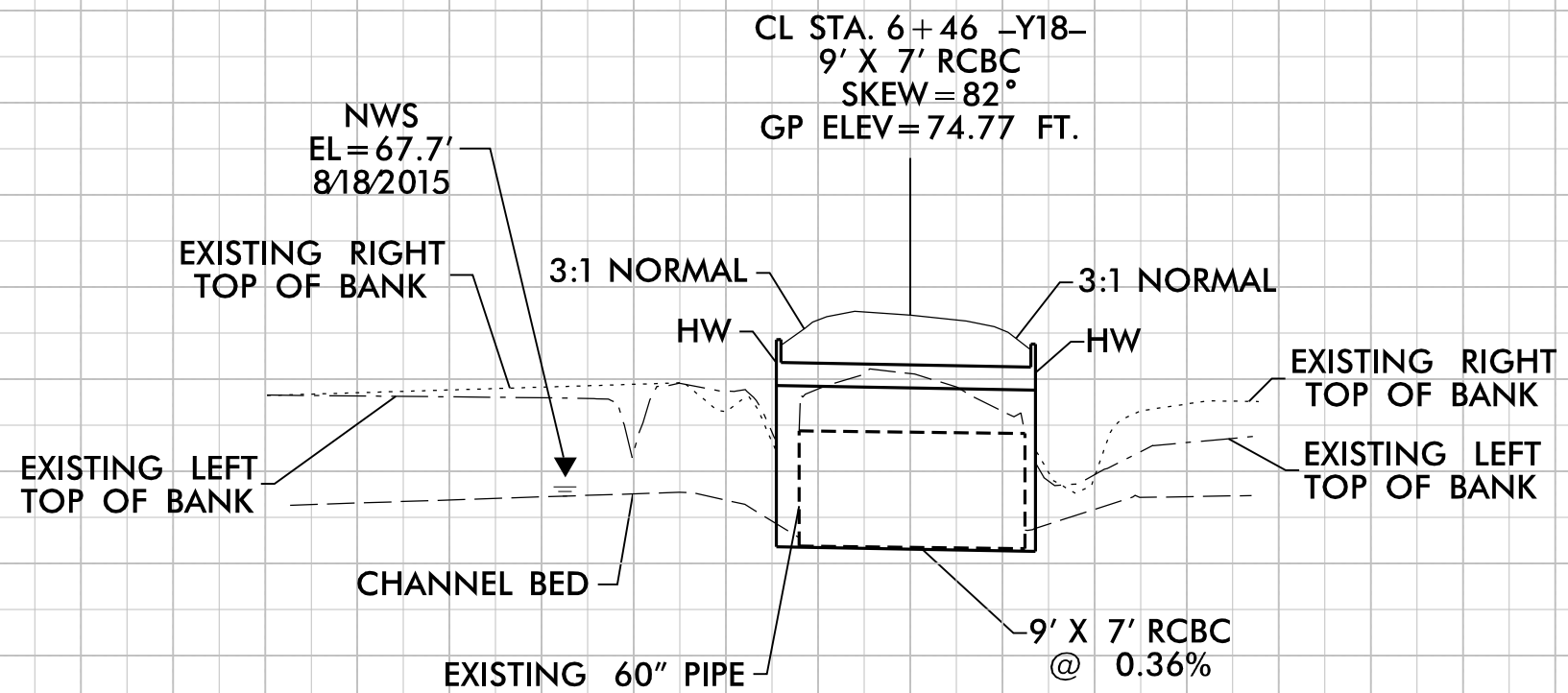
PERMIT DRAWINGS
SHEET 28 OF 30

DRIVEWAY RADII 20' UNLESS OTHERWISE NOTED
SEE SHEET NO. 158 FOR -Y18- PROFILE

5/14/99

PROJECT REFERENCE NO.		SHEET NO.	
R-2250			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION			
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

SITE 11



3:30 PM
R-2250 HYD.PRM.PIPES.PROFILES.dgn
\$\$\$\$\$SYNNAME\$\$\$\$\$

WETLAND PERMIT IMPACT SUMMARY												
Site No.	Station (From/To)	Structure Size / Type	WETLAND IMPACTS					SURFACE WATER IMPACTS				
			Permanent Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation in Wetlands (ac)	Mechanized Clearing in Wetlands (ac)	Hand Clearing in Wetlands (ac)	Permanent SW impacts (ac)	Temp. SW impacts (ac)	Existing Channel Impacts Permanent (ft)	Existing Channel Impacts Temp. (ft)	Natural Stream Design (ft)
1	23+91 - 39+93 -FLYBY7-	ROADWAY FILL						0.14	< 0.01	1,532	92	
2	26+00 - 28+50 -Y7RPC-	UTILITY RELOCATION							0.01		50	
3	99+52 - 101+50 -L-	72" RCP-III						0.03	0.01	246	117	
5	67+77 - 69+66 -Y9-	54" RCP-III						0.03	< 0.01			
6	247+99 - 252+06 -L-	54" RCP-IV						0.08	0.02			
7	436+30 - 437+83 -L-	10' x 7' RCBC						0.05	0.06	233	244	
8	638+38 - 639+86 -L-	ROADWAY FILL	0.33									
9	39+16 - 41+02 -FLYBY7-	60" PIPE EXTENSION						0.02	< 0.01	132	38	
10	54+55 - 55+79 -Y8-	96" CSP EXTENSION						< 0.01	< 0.01			
11	5+78 - 7+11 -Y18-	9' x 7' RCBC						0.01	0.01	61	59	
TOTALS*:			0.33					0.37	0.14	2,204	600	0

*Rounded totals are sum of actual impacts

NOTES:

SITE 1 PROPOSED STREAM RELOCATION: 1,914 FT.
SITE 4 HAS BEEN ELIMINATED

NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
2/25/2016
PITT COUNTY
R-2250
34411.1.2