

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



VICINITY MAP

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

GUILFORD COUNTY

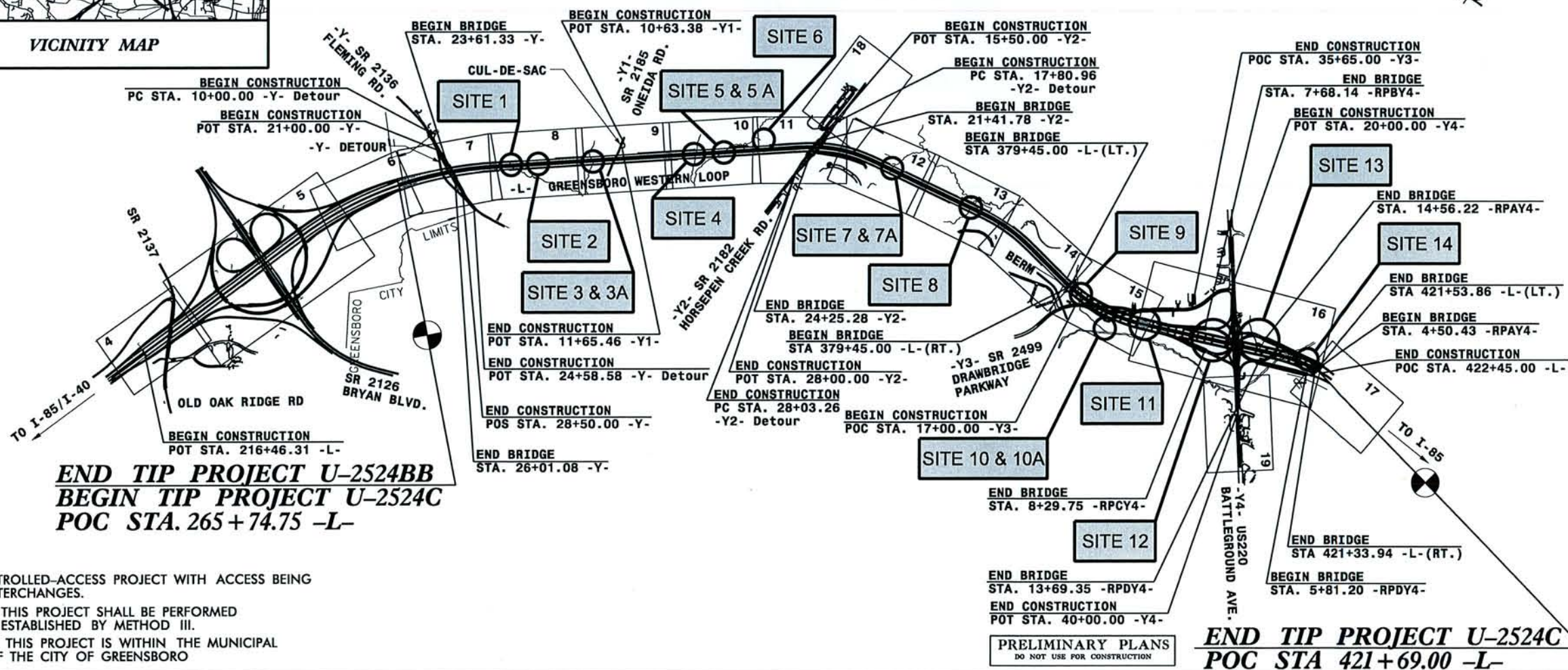
LOCATION: GREENSBORO-WESTERN LOOP FROM NORTH OF SR 2176
(BRYAN BOULEVARD) TO US 220 (BATTLEGROUND AVENUE).

TYPE OF WORK: GRADING, PAVING, CULVERTS, DRAINAGE,
STRUCTURES, SIGNING, ITS, TRAFFIC SIGNAL
AND RETAINING WALLS.

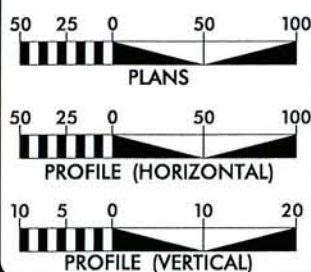
WETLAND & STREAM IMPACTS

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-2524C	1	
STATE PROJ. NO.	P.A. PROJ. NO.	DESCRIPTION	
34820.2.18	NHF-0708(52)	P.E.	
34820.2.18	NHF-0708(52)	R.O.W./UTILITY	

Permit Drawing
Rev Sheet 1 of 39
5/20/13



GRAPHIC SCALES



DESIGN DATA

ADT 2013 = 35,113
ADT 2035 = 46,200
DHV = 11 %
D = 55 %
T = 9 % *
V = 70 MPH
CLASSIFICATION: FREEWAY
4% TTST DUAL 5%

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT U-2524C = 2.158 MILES
LENGTH STRUCTURES TIP PROJECT U-2524C = 0.795 MILES
TOTAL LENGTH OF TIP PROJECT U-2524C = 2.953 MILES

PARSONS

FOR THE
DIVISION OF HIGHWAYS

2006 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
SEPTEMBER 23, 2011

LETTING DATE:
SEPTEMBER 17, 2013

EDWARD S. ROBBINS, P.E.
PROJECT ENGINEER

DAVID GARRETT
PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

SIGNATURE: _____
ROADWAY DESIGN
ENGINEER

SIGNATURE: _____
P.E.

PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION

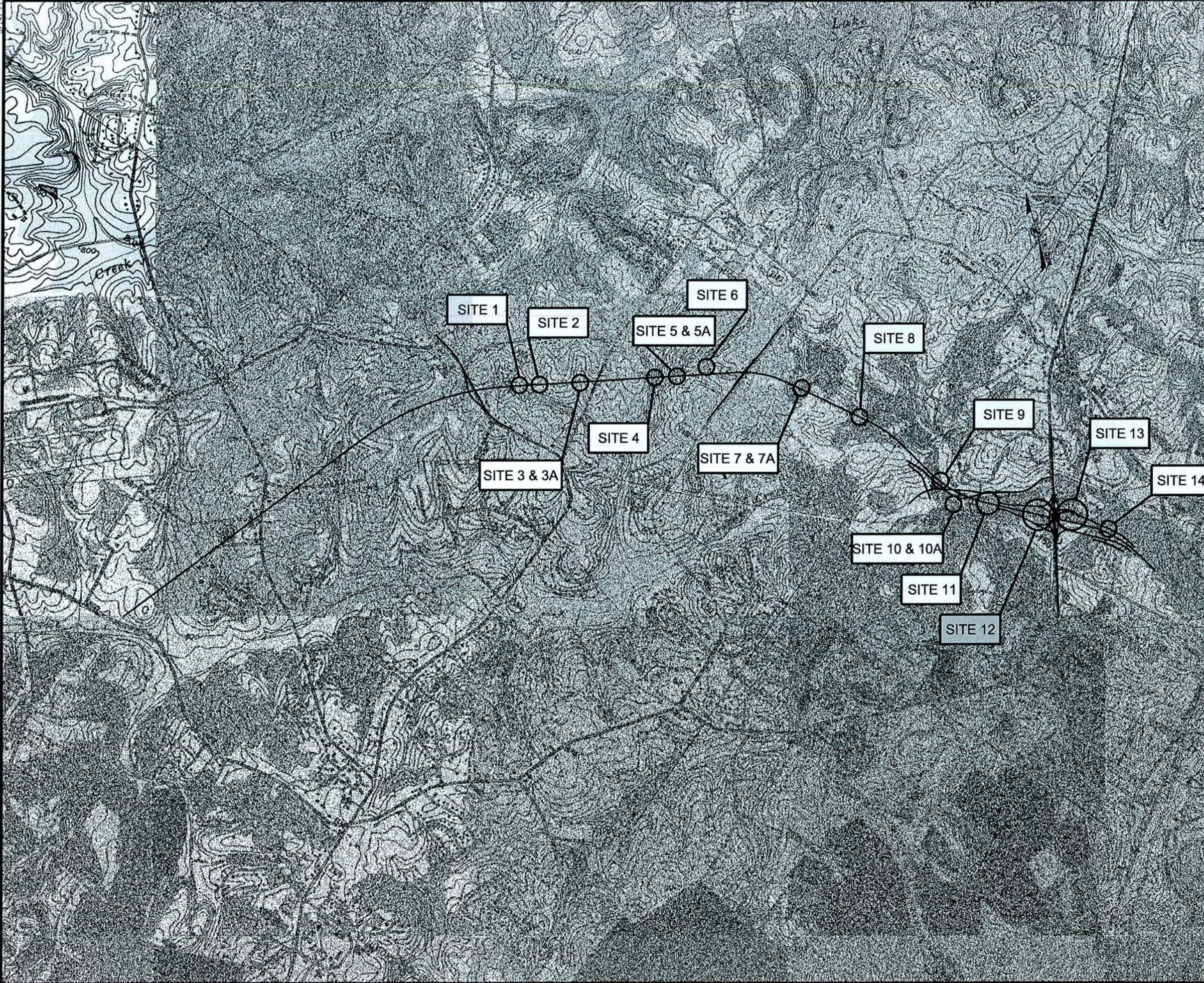


TIP PROJECT: U-2524C

CONTRACT: C203197

5/14/09

1:24:15 PM U:\2524C.PRM_0040.dgn

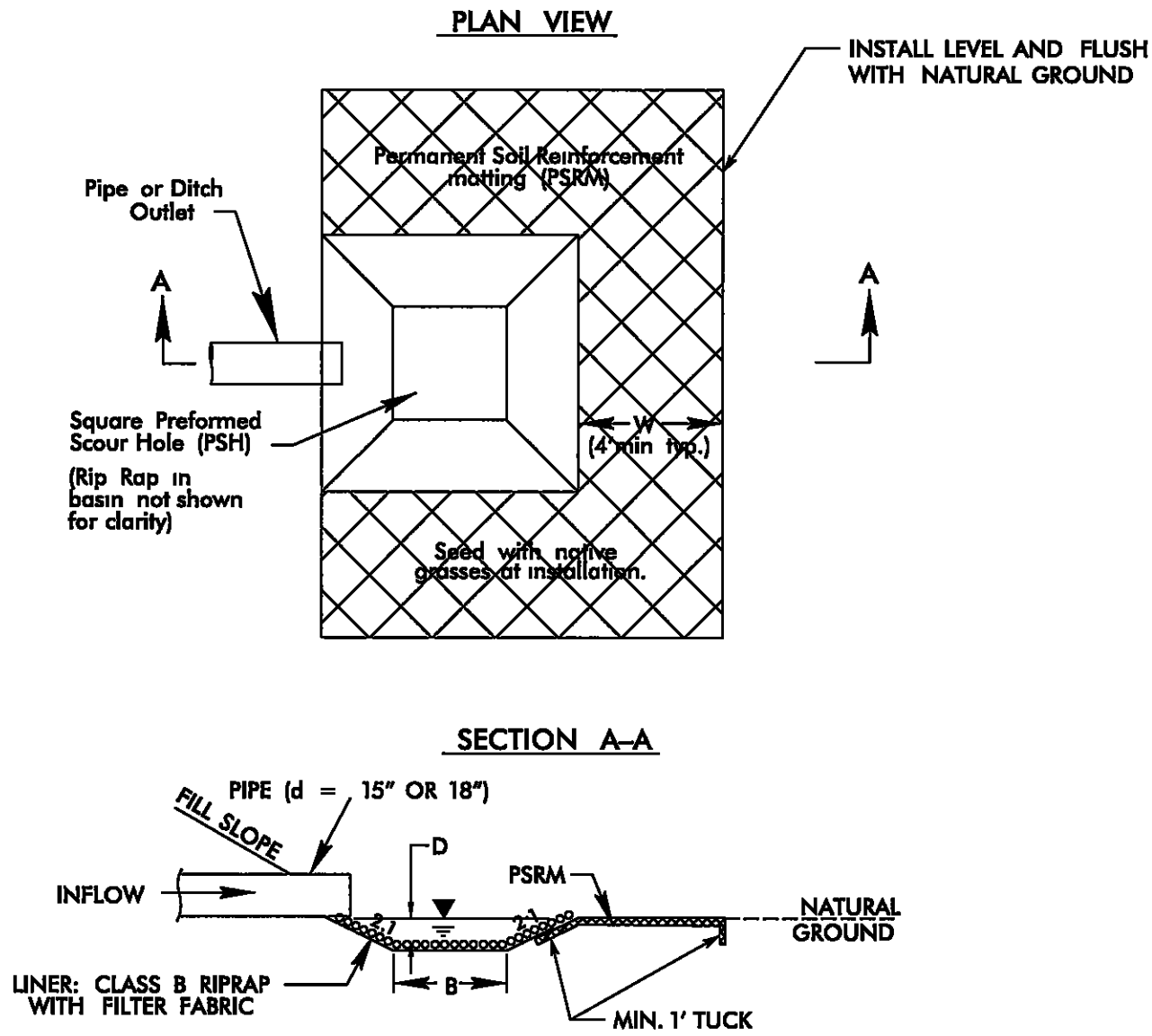


PROJECT REFERENCE NO.	SHEET NO.
U-2524C	2
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	

PERMIT DRAWINGS
Rev SHEET 2 OF 39
5/20/13

PROJECT REFERENCE NO.	SHEET NO.
U-2524C	2-AA
R/W SHEET NO.	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
PERMIT DRAWINGS SHEET 3 OF 39	

PREFORMED SCOUR HOLE *NOT TO SCALE



REVISIONS

2/13/2020
 2:13:20 PM
 2524C-2AA.dgn
 2524C-2AA.dgn

8/17/99

PARSONS
PLANNING, NORTH CAROLINA

PROJECT REFERENCE NO. U-2524C		SHEET NO. 8
RW SHEET NO. ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION		
PERMIT DRAWINGS SHEET 4 OF 39		

MATCH LINE -L- STA 281+00 SEE SHEET 7

MATCH LINE -L- STA 295+00 SEE SHEET 9

SITE 1

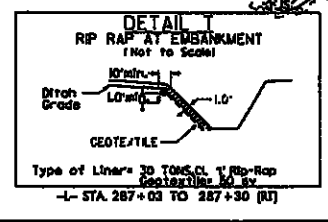
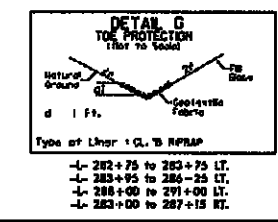
SITE 2

SCALE
1" = 40'

LEGEND

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

NOTE:
SEE SHEET 2-S FOR CURVE DATA
SEE SHEET 22 & 23 FOR -L- PROFILE
SEE GEOTECHNICAL REPORT FOR BURIED LANDFILL. SEE SHEET GR-18 THRU GR-43



2023:1PM
U-2524C-RDY_PSH_BBA.dgn
3/11/2003 10:58:11 AM

8/17/99

PARSONS
PLANNING, DESIGN, ENGINEERING

PROJECT REFERENCE NO. U-2524C		SHEET NO. 8
RW SHEET NO.		
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION		
PERMIT DRAWINGS SHEET 5 OF 39		

MATCH LINE -L- STA 281+00 SEE SHEET 7

MATCH LINE -L- STA 295+00 SEE SHEET 9

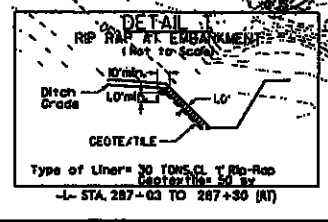
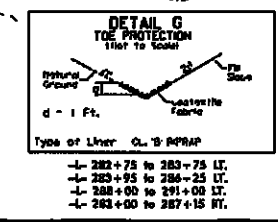
SITE 1

SITE 2

SCALE
1" = 40'

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

NOTE:
SEE SHEET 2-S FOR CURVE DATA
SEE SHEET 22 & 23 FOR -L- PROFILE
SEE GEOTECHNICAL REPORT FOR BURIED LANDFILL. SEE SHEET GR-18 THRU GR-43



202547 RW U-2524C RDY.PSH.B08.dgn
11/13/2005 10:00 AM

5/14/99

PLANS PROVIDED BY:
PARSONS
RALEIGH, NORTH CAROLINA
FOR NORTH CAROLINA DEPT. OF TRANSPORTATION

PROJECT REFERENCE NO.

U-2524C

SHEET NO.

ROADWAY DESIGN
ENGINEER

HYDRAULICS
ENGINEER

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

880

860

840

820

800

880

860

840

820

800

MATCHLINE 135

MATCHLINE 135

12' CLEARING LIMITS

WETLAND CROSS SECTION SITE 1

LEGEND

/// DENOTES WETLAND

SCALE

1"=20' HORIZONTAL
1"=20' VERTICAL

GUILFORD COUNTY
PROJECT U2524C
GREENSBORO-WESTERN LOOP
FROM NORTH OF BRYAN BOULEVARD
TO BATTLEGROUND AVENUE

SHEET 6 OF 39

10/15/12

140

120

100

80

60

40

20

0

20

40

60

80

100

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5/14/99

8/17/99

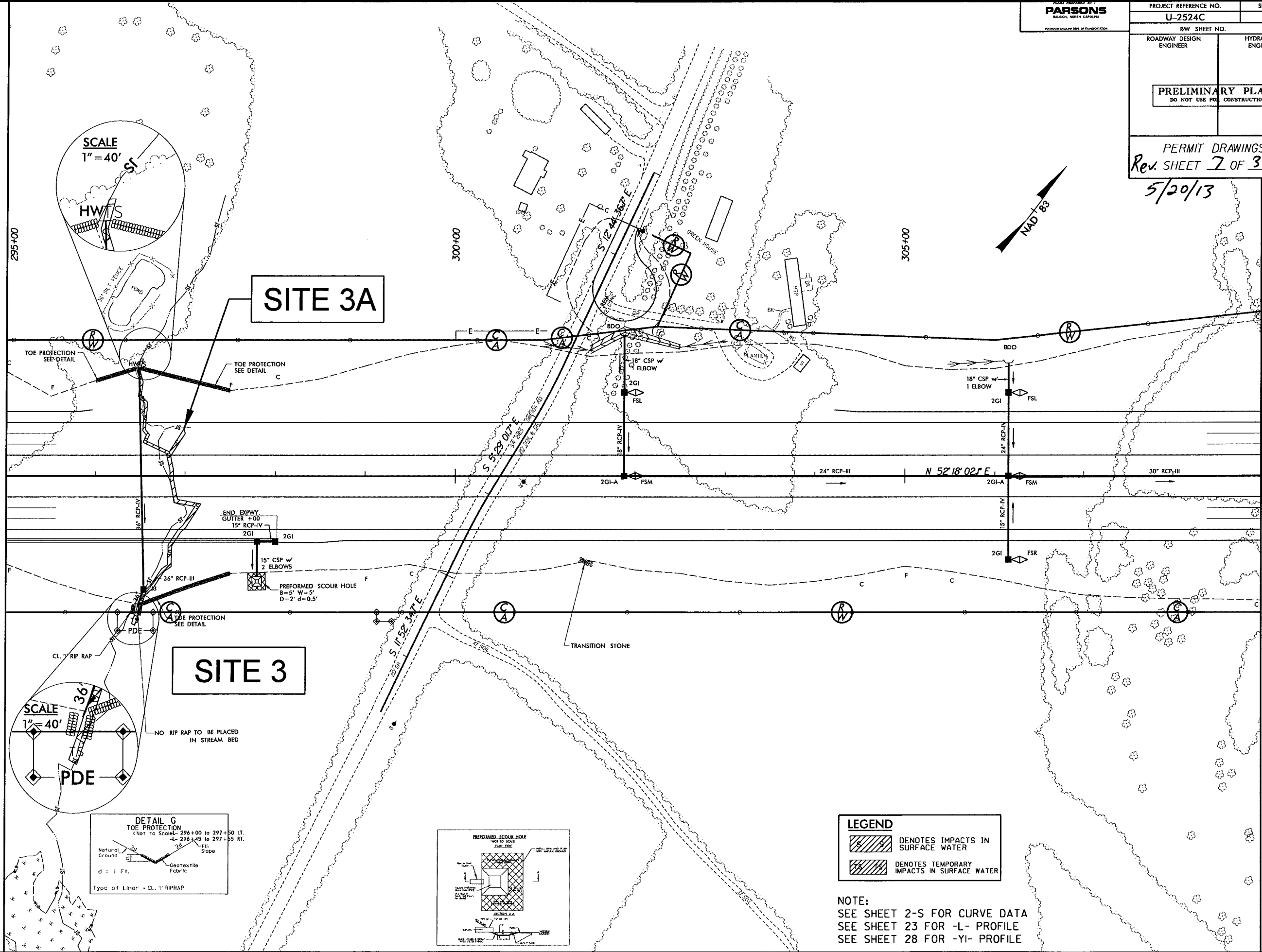
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\$\$\$\$REVISIONS\$\$\$\$

DESIGN PREPARED BY
PARSONS
RALEIGH, NORTH CAROLINA
FOR NORTH CAROLINA DEPT. OF TRANSPORTATION

PROJECT REFERENCE NO. U-2524C		SHEET NO. 9
RW SHEET NO.		HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER		
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION		
PERMIT DRAWINGS Rev. SHEET 7 OF 39 5/20/13		

MATCH LINE -L- STA 295+00 SEE SHEET 8

MATCH LINE -L- STA 309+00 SEE SHEET 10



SCALE
1" = 40'

HWTS

SITE 3A

SITE 3

SCALE
1" = 40'

PDE

DETAIL G
TOE PROTECTION
(Not to Scale- 296+00 to 297+50 LT.
-L- 296+45 to 297+55 RT.)
Natural Ground
Geotextile Fabric
Slope
Type of Liner = CL-1 RIPRAP
c = 1 Ft.

PREFORMED SCOUR HOLE
(Not to Scale)
SUB-SIDE
JUNCTION AREA
TRANSITION STONE

LEGEND
DENOTES IMPACTS IN SURFACE WATER
DENOTES TEMPORARY IMPACTS IN SURFACE WATER

NOTE:
SEE SHEET 2-S FOR CURVE DATA
SEE SHEET 23 FOR -L- PROFILE
SEE SHEET 28 FOR -YI- PROFILE

8/17/99

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3:38 PM 8/17/99

DESIGNED BY
PARSONS
RALEIGH, NORTH CAROLINA
FOR NORTH CAROLINA DEPT. OF TRANSPORTATION

PROJECT REFERENCE NO.
U-2524C

SHEET NO.
9

R/W SHEET NO.
ROADWAY DESIGN
ENGINEER

HYDRAULICS
ENGINEER

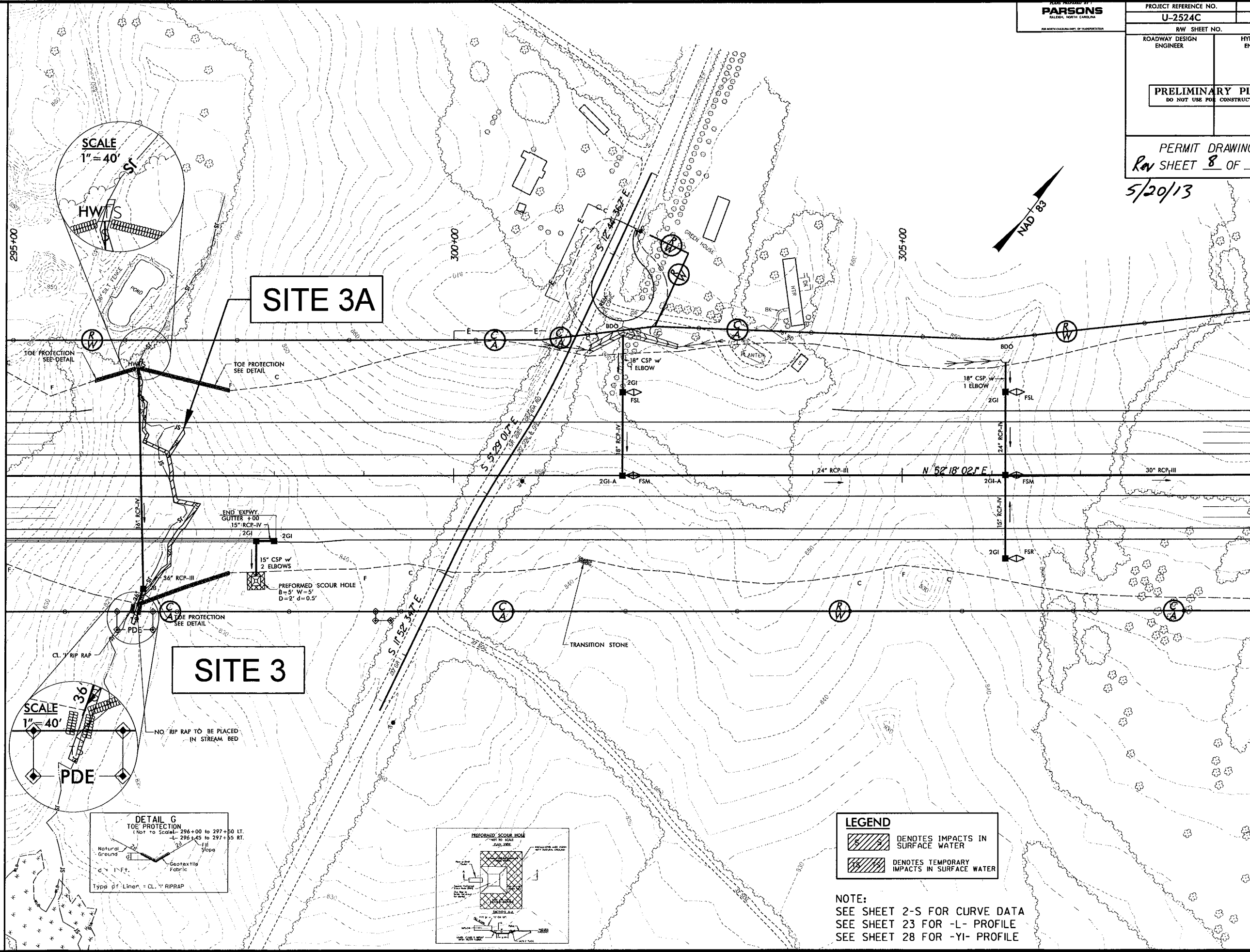
PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

PERMIT DRAWINGS
Rev SHEET **8** OF **39**

5/20/13

MATCH LINE -L- STA 295+00 SEE SHEET 8

MATCH LINE -L- STA 309+00 SEE SHEET 10



SCALE
1" = 40'

HW/S

SITE 3A

SITE 3

SCALE
1" = 40'

PDE

DETAIL G
TOE PROTECTION
(Not to Scale)- 296+00 to 297+50 LT.
-L- 296+45 to 297+55 RT.
Natural Ground
Geotextile Fabric
Type of Liner = CL-1 RIPRAP

PREFORMED SCOUR HOLE
(NOT TO SCALE)
4'-0" DIA.
1'-0" DEEP
TRANSITION STONE
1'-0" DIA.
1'-0" DEEP
1'-0" DIA.
1'-0" DEEP

LEGEND
DENOTES IMPACTS IN SURFACE WATER
DENOTES TEMPORARY IMPACTS IN SURFACE WATER

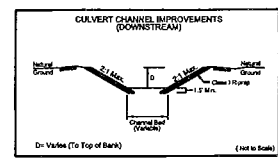
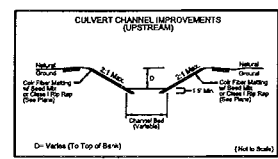
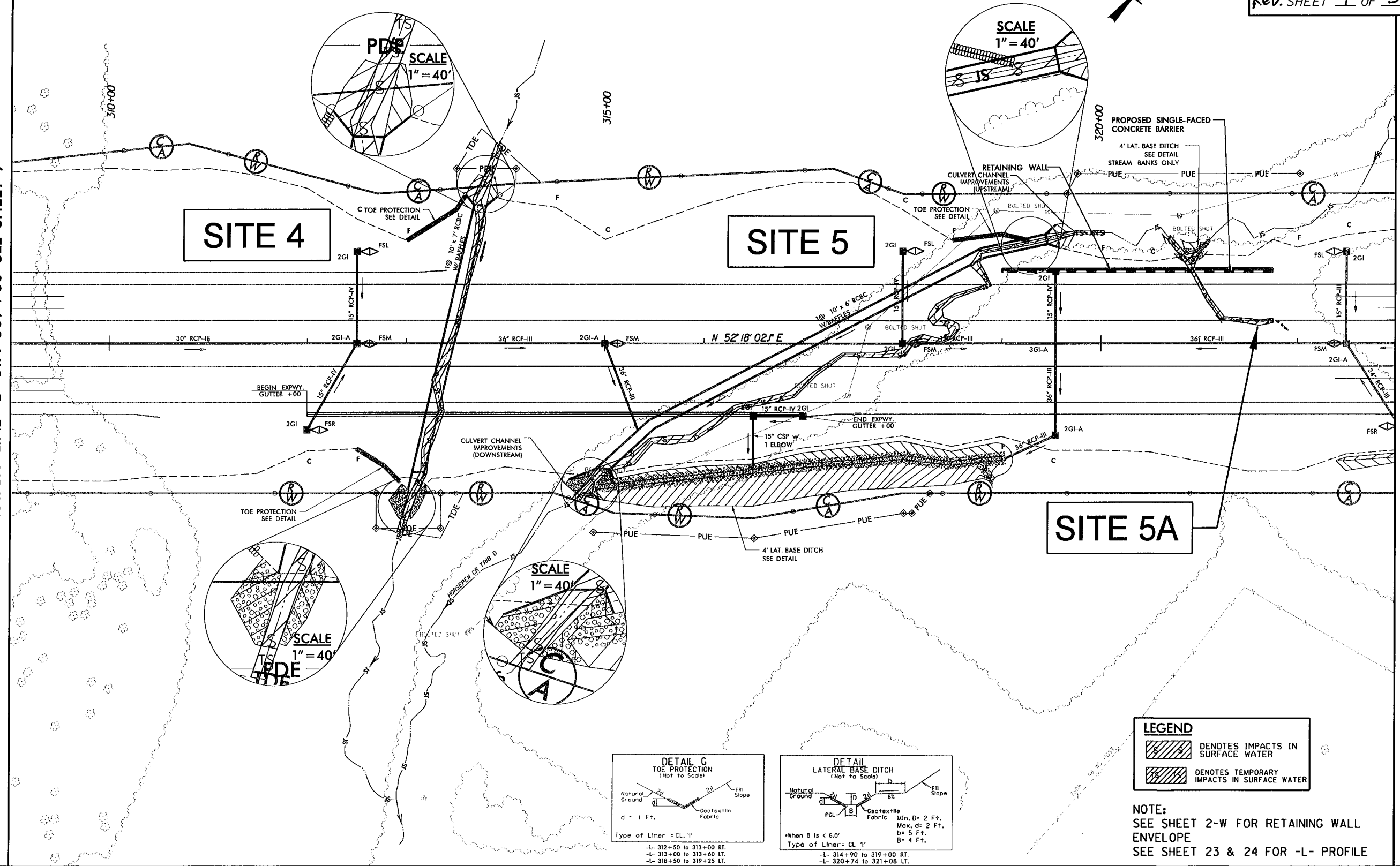
NOTE:
SEE SHEET 2-S FOR CURVE DATA
SEE SHEET 23 FOR -L- PROFILE
SEE SHEET 28 FOR -YI- PROFILE

8/17/99

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REVISIONS

MATCH LINE -L- STA 309+00 SEE SHEET 9



PARSONS
RALEIGH, NORTH CAROLINA
FOR NORTH CAROLINA DEPT. OF TRANSPORTATION

PROJECT REFERENCE NO.	SHEET NO.
U-2524C	10
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
PERMIT DRAWINGS Rev. SHEET 9 OF 39	

LEGEND	
	DENOTES IMPACTS IN SURFACE WATER
	DENOTES TEMPORARY IMPACTS IN SURFACE WATER

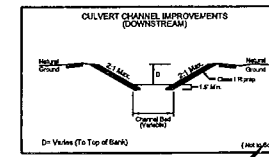
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SEE SHEET 2-W FOR RETAINING WALL ENVELOPE
SEE SHEET 23 & 24 FOR -L- PROFILE

MATCH LINE -L- STA 323+00 SEE SHEET 11

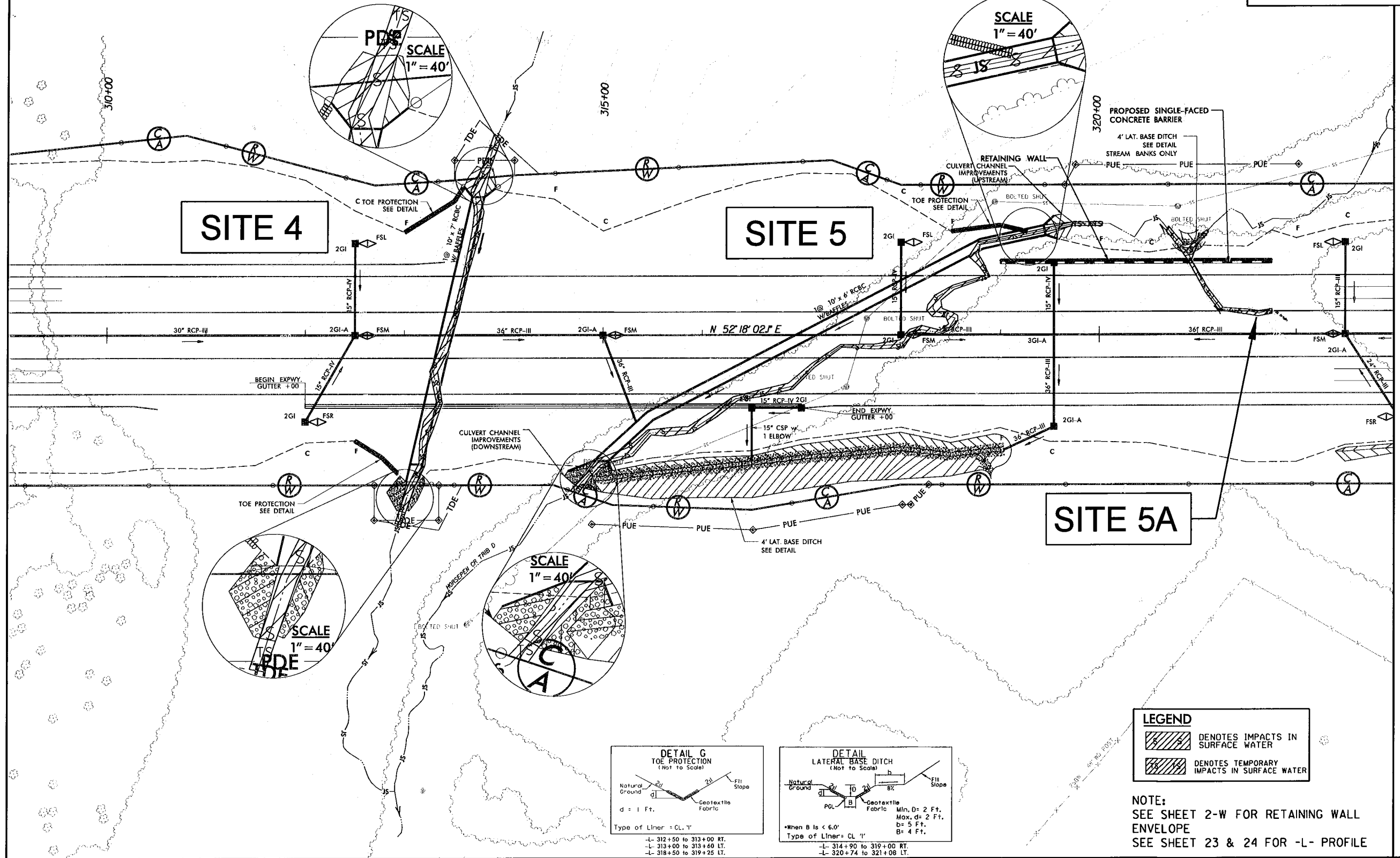
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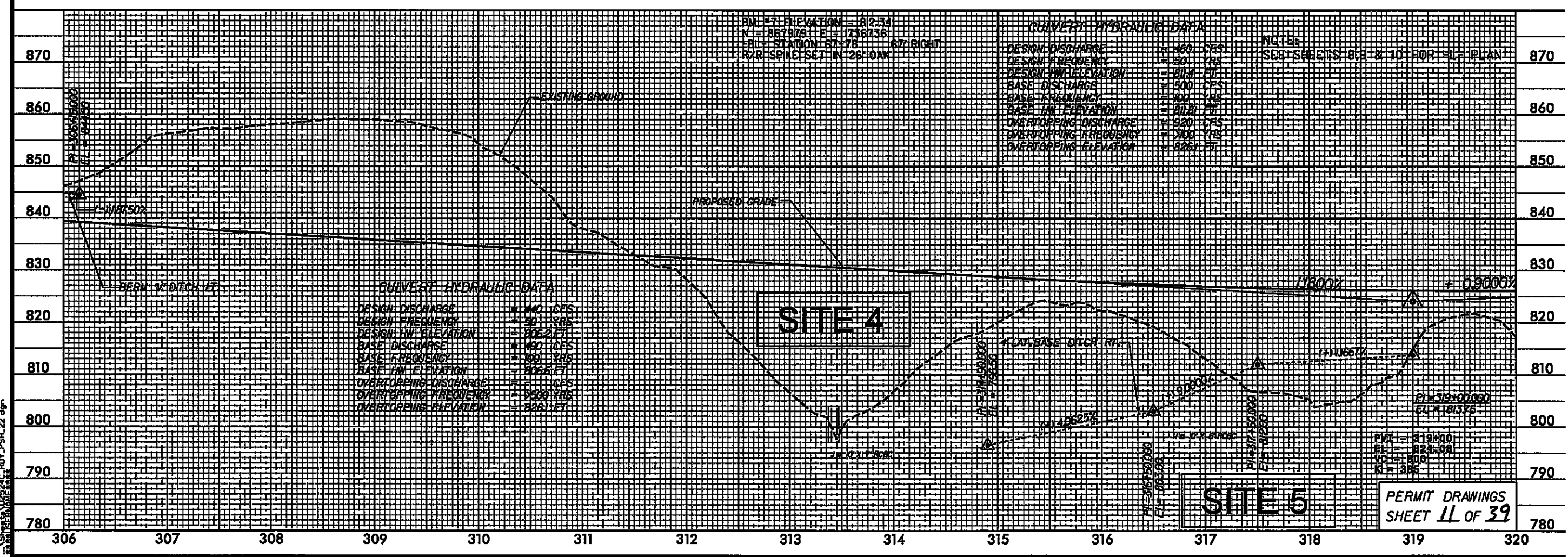
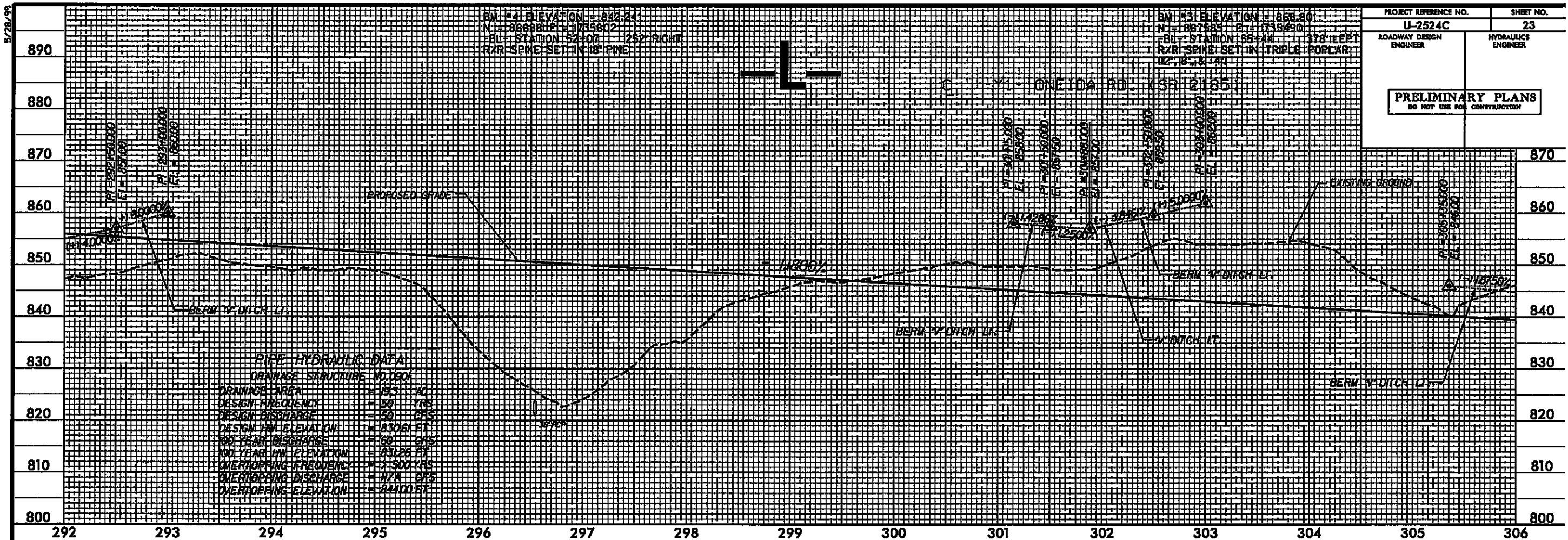
MATCH LINE -L- STA 309+00 SEE SHEET 9

MATCH LINE -L- STA 323+00 SEE SHEET 11



PROJECT REFERENCE NO.	SHEET NO.
U-2524C	10
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
PERMIT DRAWINGS <i>Rev. SHEET 10 OF 39</i>	





5/14/99

PARSONS
RALPH, NORTH CAROLINA
FOR NORTH CAROLINA DEPT. OF TRANSPORTATION

PROJECT REFERENCE NO.		SHEET NO.
U-2524C		
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION		

840

840

830

830

820

820

810

810

800

800

790

790

C.U. STA 313+41.80
PROP. 10' X 7' RCBC
GP ELEV. = 830.86
SKEW = 11.3°

3:1 (NORMAL)

2:1 (NORMAL)

PROPOSED 100 YEAR
WS ELEV. = 806.8
PROPOSED 50 YEAR
WS ELEV. = 806.2
NWS ELEV. = 806.2

EXISTING LEFT TOP OF BANK
EXISTING RIGHT TOP OF BANK

PROPOSED CULVERT
ELEV. = 799.00
(BURIED 1 FT.)

NATURAL GROUND ALONG
CULVERT

ELEV. 799.00

1' HIGH CONCRETE RAFFLES AT
25' CENTERS (SEE CSR)

PROPOSED INLET
ELEV. = 798.50
(BURIED 1 FT.)

PROFILE ALONG STRUCTURE SITE 4

SCALE
1"=50' HORIZONTAL
1"=10' VERTICAL

GUILFORD COUNTY
PROJECT U2524C
GREENSBORO-WESTERN LOOP
FROM NORTH OF BRYAN BOULEVARD
TO BATTLEGROUND AVENUE

SHEET 12 OF 39

02/01/13

200 150 100 50 0 50 100 150 200

2:49:25 PM
U-2524C_PRRM_Culvert-1_Profiles.dgn
Task: PRELIMINARY

5/14/99

PLANS PREPARED BY
PARSONS
RALEIGH, NORTH CAROLINA
FOR NORTH CAROLINA DEPT. OF TRANSPORTATION

PROJECT REFERENCE NO.		SHEET NO.
U-2524C		
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION		

840

840

830

830

820

820

810

810

800

800

790

790

Q-1E STA. 307+05.00
PROPOSED 10' X 6' BOX
GR. ELEV. 805.83
SKWT = 155
L = 50'

PROPOSED 100 YEAR
W.S. ELEV. = 811.81
PROPOSED 50 YEAR
W.S. ELEV. = 811.4
N.W.S. ELEV. = 809.6

PROPOSED INLET
ELEV. = 804.24
(BURIED 14")

NATURAL GROUND ALONG
Q-CULVERT

ELEV. 799.76

SE = 1.7100%

18" HIGH CONCRETE BATTERIES AT
82.25' CENTERS (SEE CSR)

24" RCP
INV. = 432.5

EXISTING LEFT
TOP OF BANK
EXISTING RIGHT
TOP OF BANK

PROPOSED OUTLET
ELEV. = 795.61
(BURIED 14")

PROFILE ALONG STRUCTURE SITE 5

SCALE
1"=50' HORIZONTAL
1"=10' VERTICAL

GUILFORD COUNTY
PROJECT U2524C
GREENSBORO-WESTERN LOOP
FROM NORTH OF BRYAN BOULEVARD
TO BATTLEGROUND AVENUE
SHEET 13 OF 39 02/01/13

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U2524C.dwg
JAN 11 1999

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PARSONS

SOUTH DAKOTA

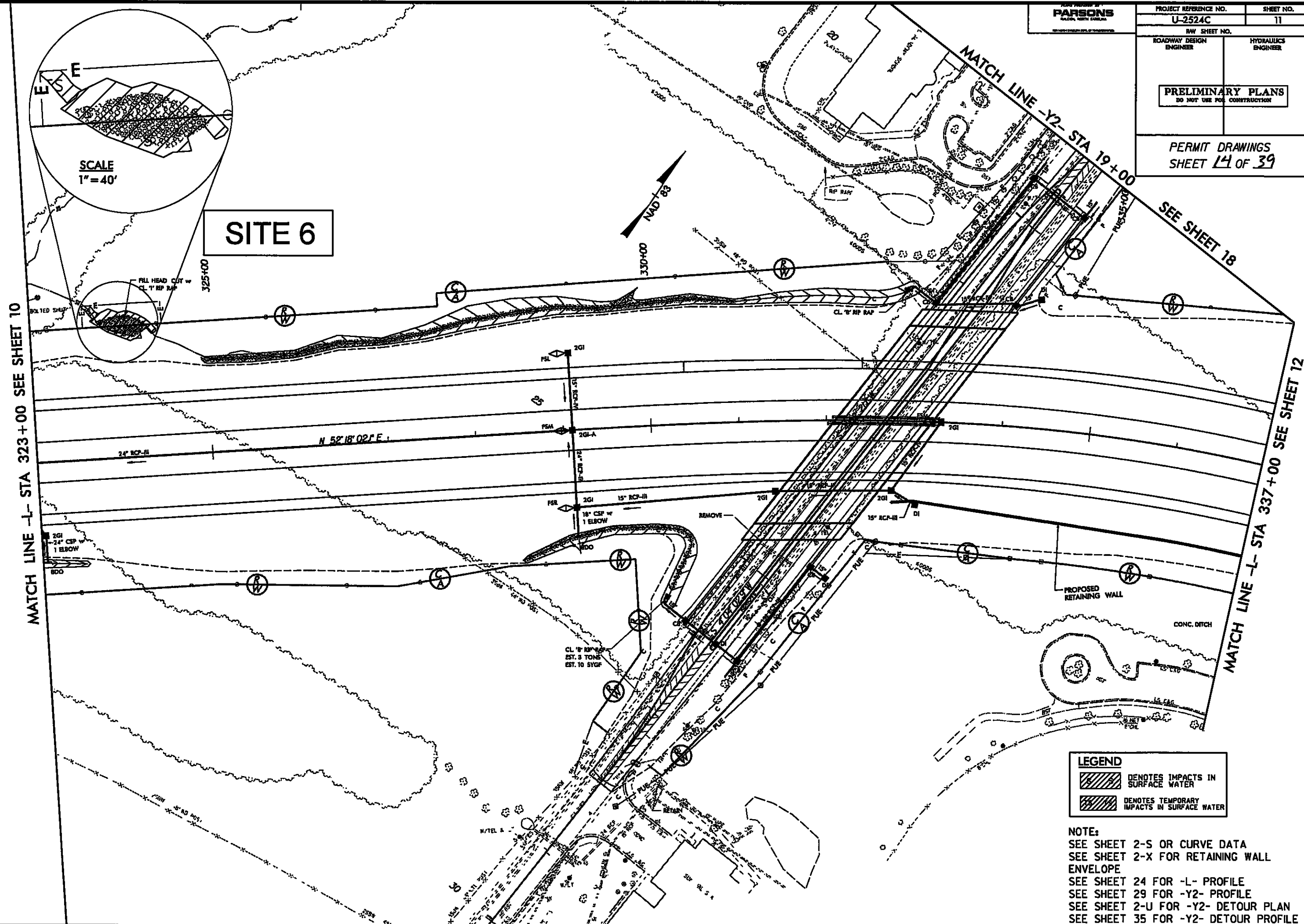
PROJECT REFERENCE NO.

U-2524C

SHEET NO.

11

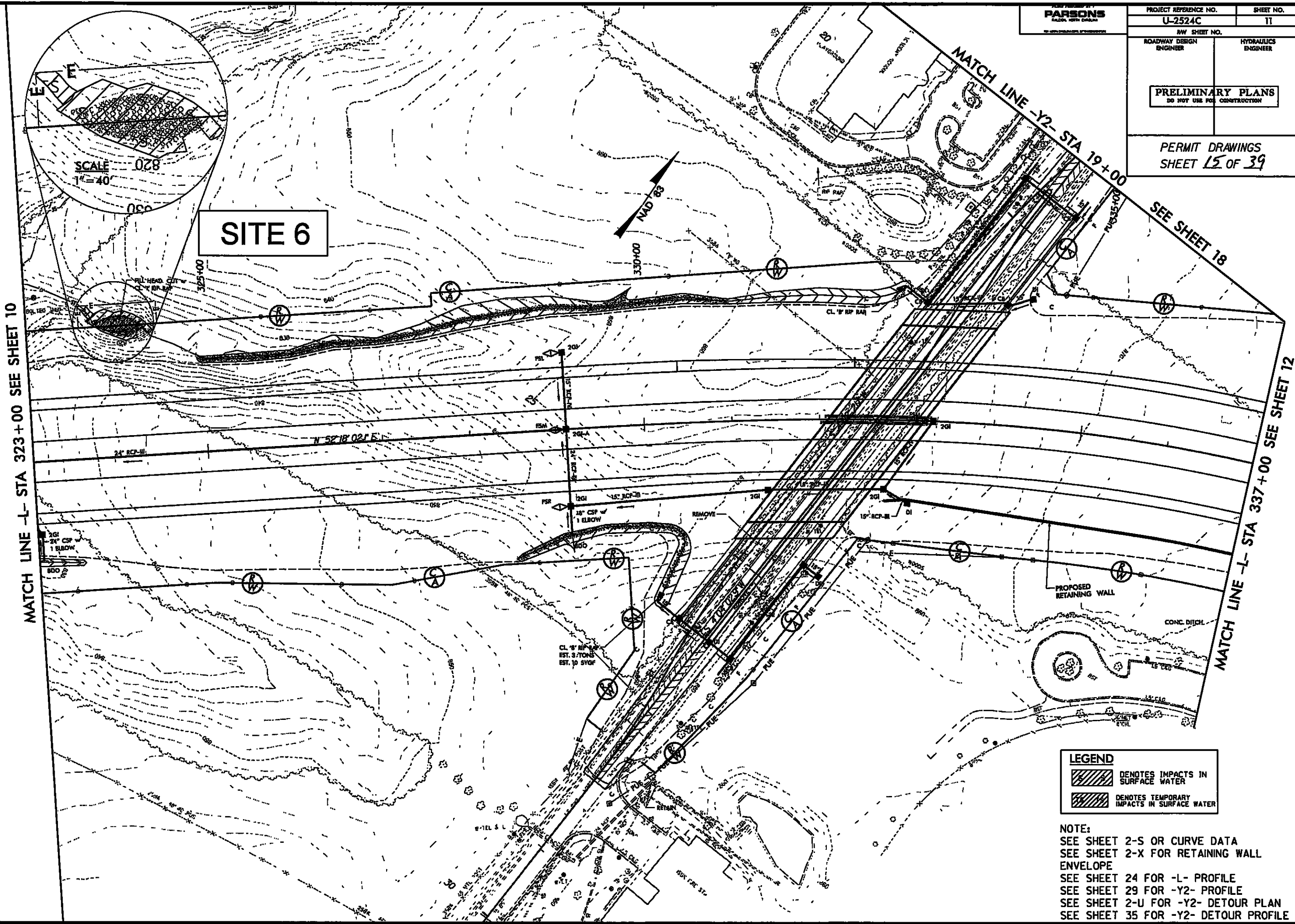
RAW SHEET NO.

ROADWAY DESIGN
ENGINEERHYDRAULICS
ENGINEERPRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTIONPERMIT DRAWINGS
SHEET 14 OF 3923403.PW
2524C.RDY.PSH.11A.dgn
2524C.RDY.PSH.11A.dgn

8/17/99

PARSONS
ENGINEERING & ARCHITECTURE

PROJECT REFERENCE NO. U-2524C		SHEET NO. 11
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION		
PERMIT DRAWINGS SHEET 15 OF 39		



MATCH LINE -L- STA 323+00 SEE SHEET 10

MATCH LINE -Y2- STA 19+00
SEE SHEET 18

MATCH LINE -L- STA 337+00 SEE SHEET 12

SITE 6

SCALE
1" = 40'

LEGEND	
	DENOTES IMPACTS IN SURFACE WATER
	DENOTES TEMPORARY IMPACTS IN SURFACE WATER

NOTE:
SEE SHEET 2-S OR CURVE DATA
SEE SHEET 2-X FOR RETAINING WALL ENVELOPE
SEE SHEET 24 FOR -L- PROFILE
SEE SHEET 29 FOR -Y2- PROFILE
SEE SHEET 2-U FOR -Y2- DETOUR PLAN
SEE SHEET 35 FOR -Y2- DETOUR PROFILE

REVISIONS

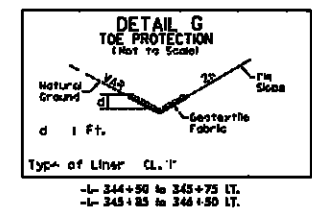
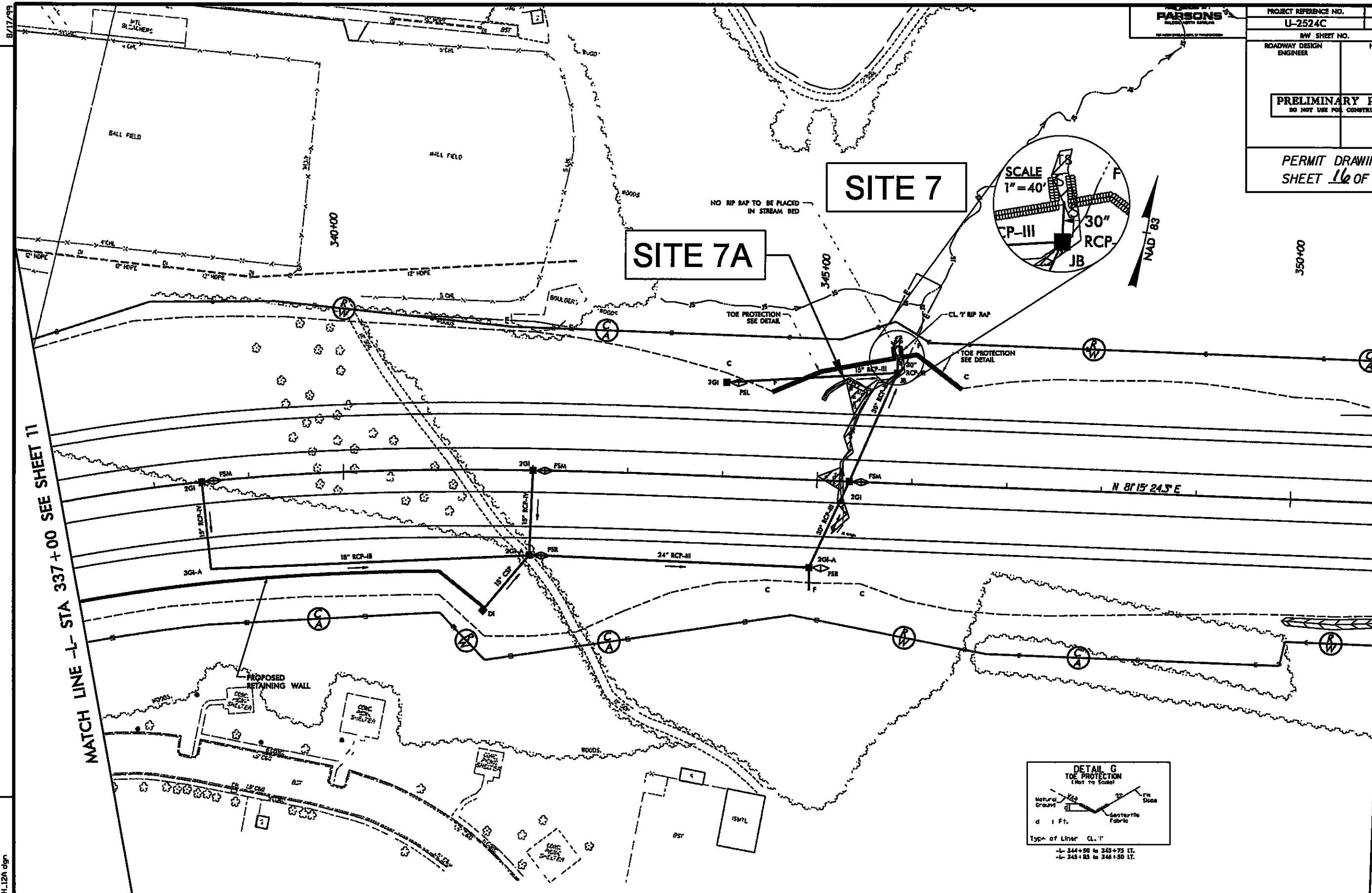
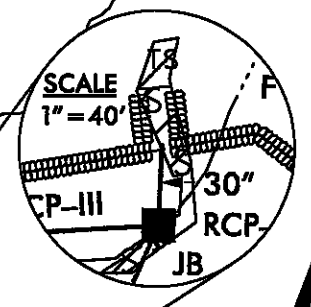
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PARSONS

PROJECT REFERENCE NO.	SHEET NO.
U-2524C	12
RDW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
PERMIT DRAWINGS SHEET 16 OF 39	

SITE 7

SITE 7A

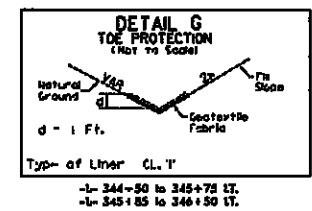
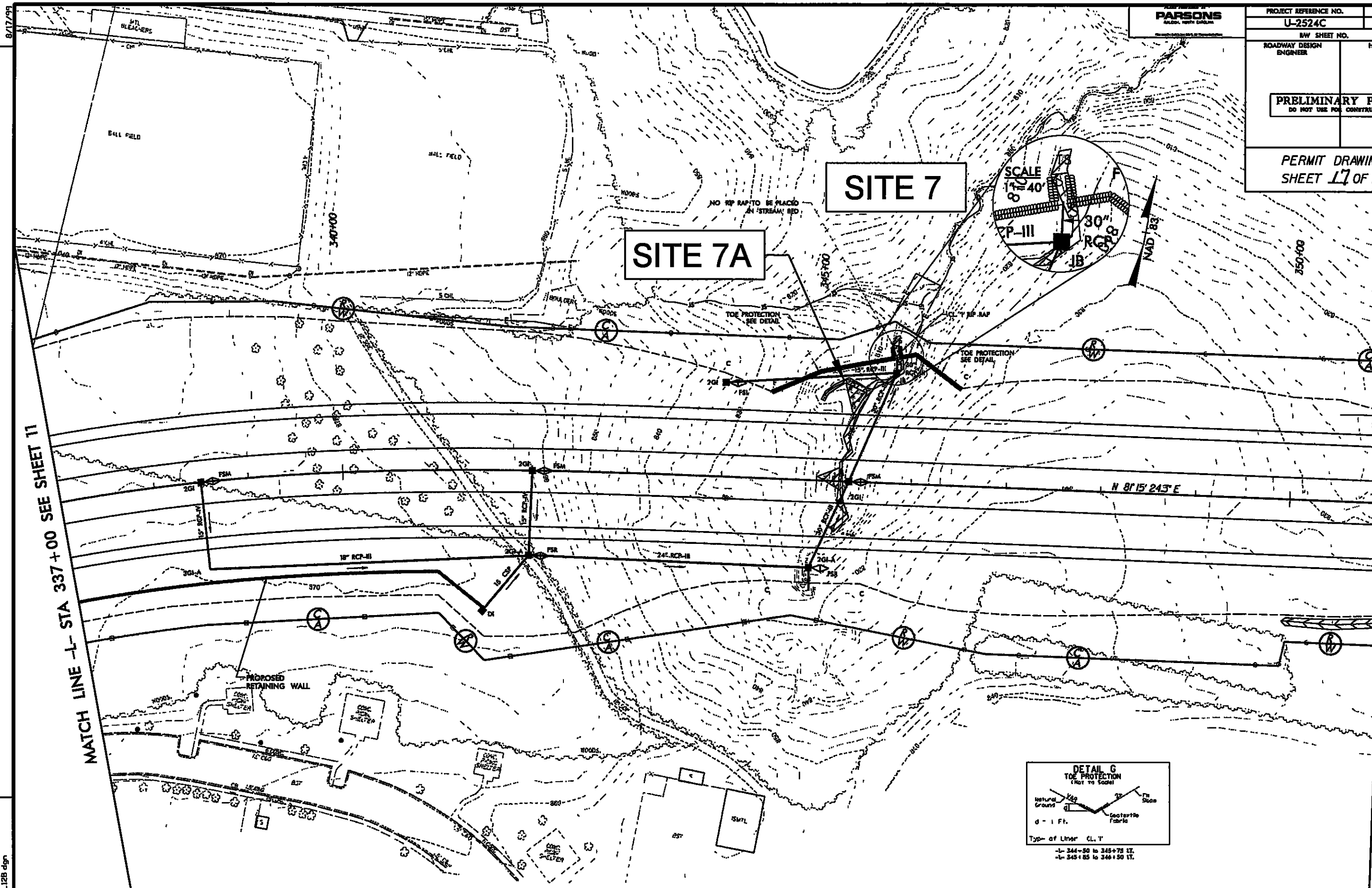


NOTE:
SEE SHEET 2-S OR CURVE DATA
SEE SHEET 2-X FOR RETAINING WALL
ENVELOPE
SEE SHEET 24 & 25 FOR -L- PROFILE

LEGEND	
	DENOTES IMPACTS IN SURFACE WATER
	DENOTES FILL IN WETLAND
	DENOTES TEMPORARY IMPACTS IN SURFACE WATER

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PROJECT REFERENCE NO. U-2524C		SHEET NO. 12
RW SHEET NO. ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION		
PERMIT DRAWINGS SHEET 17 OF 39		



LEGEND

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

NOTE:
SEE SHEET 2-S OR CURVE DATA
SEE SHEET 2-X FOR RETAINING WALL
ENVELOPE
SEE SHEET 24 & 25 FOR -L- PROFILE

2/14/08 PM
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11:13:13 AM

5/14/99

PLANS PROVIDED BY:
PARSONS
RALEIGH, NORTH CAROLINA
FOR NORTH CAROLINA DEPT. OF TRANSPORTATION

PROJECT REFERENCE NO.		SHEET NO.
U-2524C		
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION		

840

820

800

780

840

820

800

780

WETLAND CROSS SECTION SITE 7

LEGEND
Hatched area denotes wetland

SCALE
1"=20' HORIZONTAL
1"=20' VERTICAL

GUILFORD COUNTY
PROJECT U2524C
GREENSBORO-WESTERN LOOP
FROM NORTH OF BRYAN BOULEVARD
TO BATTLEGROUND AVENUE
SHEET 18 OF 39 10/15/12

100 80 60 40 20 0 20 40 60 80 100

5/14/99
U2524C
Wetland.XSC dgn
10/15/12

MATCH LINE -L- STA 351+00 SEE SHEET 12

MATCH LINE -L- STA 365+00 SEE SHEET 14

SITE 8

SCALE
1" = 40'

NAD-83

CL. 'B' RIP RAP
EST. 1 TONS
EST. 5 SYGF

CL. 'B' RIP RAP
EST. 2 TONS
EST. 7 SYGF

CL. 1' R

NO RIP RAP TO BE PLACED
IN STREAM BED

CL 'I' RIP RAP -

54" RCPLV -

END EXPWY.

- PROPOSED
RETAINING WALL

BEGIN EXPWY.
GLITTER +50

N 89° 15' 24.3" E

BEGIN EXPW
CUTTER - 60

-IV

CSP

LAT. 'V' DITCH
SEE DETAIL
EST. 27 TONS
EST. 60 SYFF

4' LAT. BASE DITCH
SEE DETAIL
EST. 205 TONS
EST. 455 SYFF

DETAIL
LATERAL BASE DI
(Not to Scale)

When B is < 6.0'

Type of Liner = CL 1'

d	B
359.00 to 363.00 FT	

DETAIL
LATERAL 'V' DITCH
(Not to Scale)

Diagram illustrating the cross-section of a rip-rap structure. The structure is shown on a fill slope, with dimensions labeled: b (top width), d (bottom width), and D (height). The side slopes are indicated as $2H:1V$. The structure is composed of rip-rap, and the base is reinforced with geotextile fabric. The structure is shown on natural ground. Dimensions are specified: Min. $D = 1.5$ Ft., Max. $d = 1.5$ Ft., and $b = 5$ Ft.

Type of Liner = 'Rip-Rap

Stationing: 357+00 TO 358+85 RT

LEGEND

 DENOTES IMPACTS IN SURFACE WATER

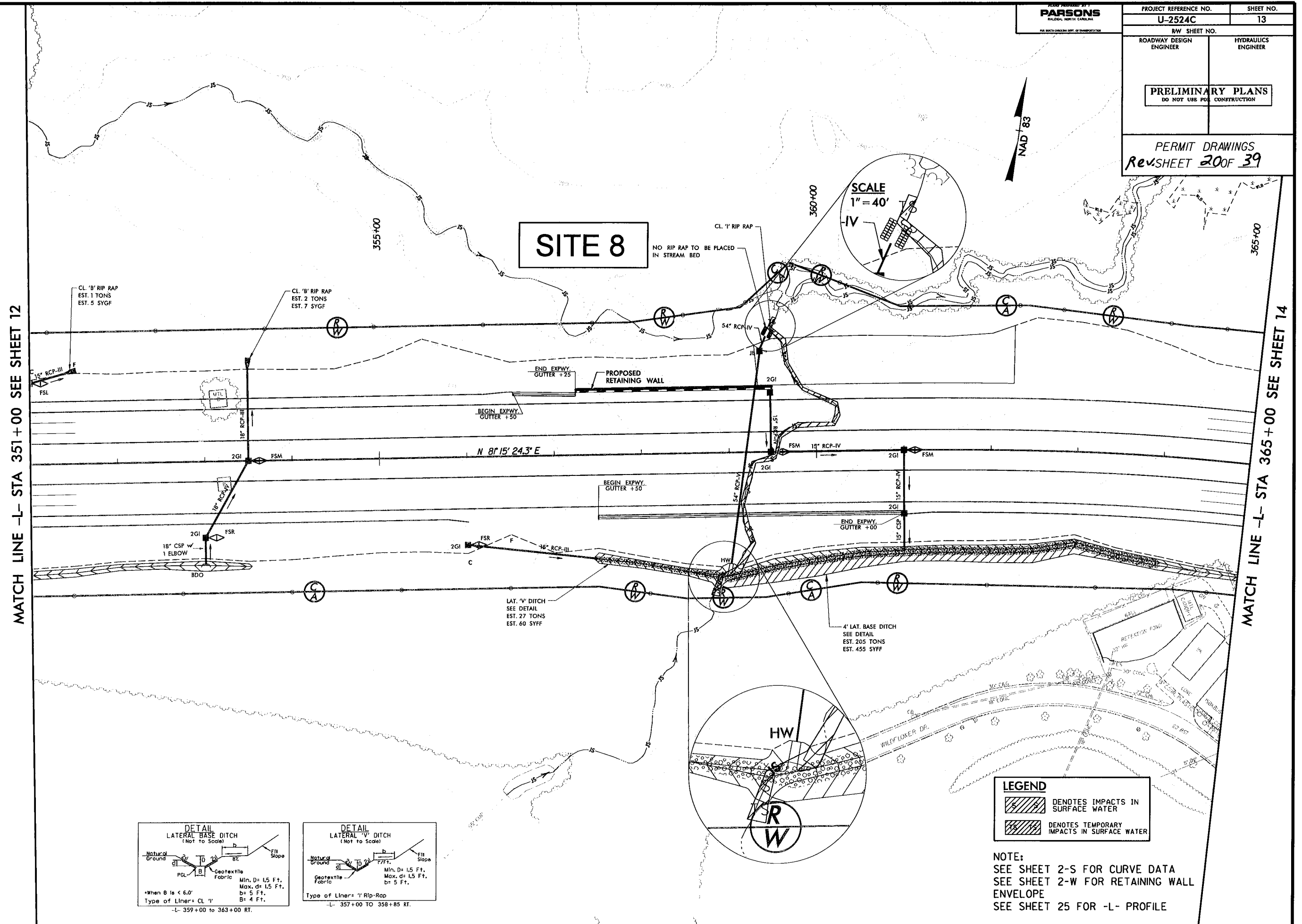
 DENOTES TEMPORARY IMPACTS IN SURFACE WATER

NOTE:
SEE SHEET 2-S FOR CURVE DATA
SEE SHEET 2-W FOR RETAINING WALL
ENVELOPE
SEE SHEET 25 FOR -L- PROFILE

8/17/99

5:40:08 PM
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\$\$\$\$\$USERNAME\$\$\$\$\$

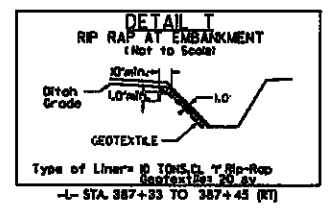
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PARSONS
HAZARDOUS WASTE CONSULTANTS

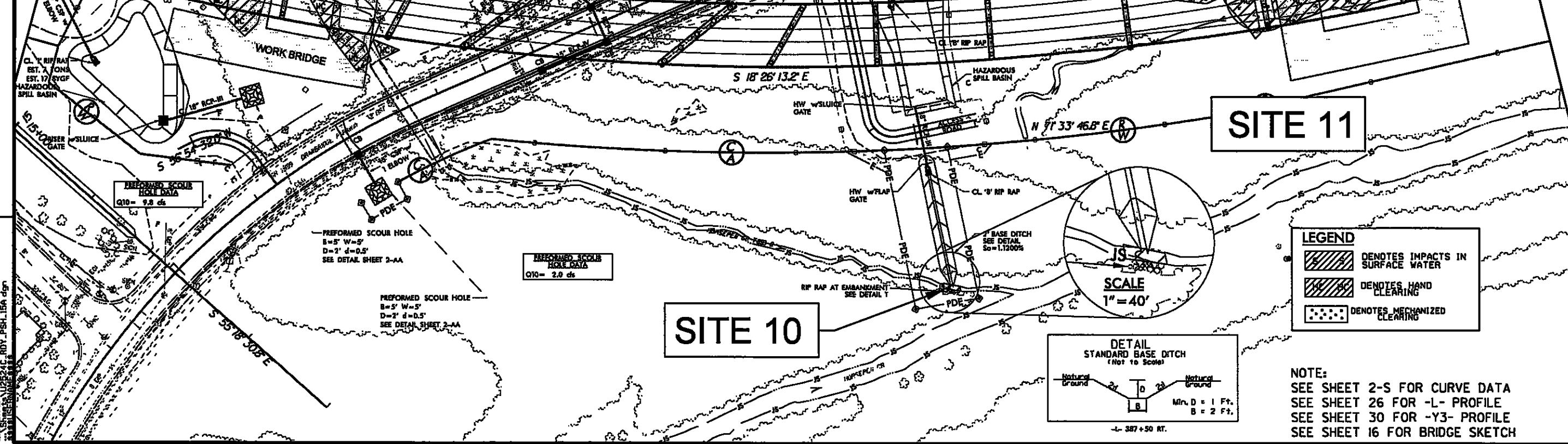
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HW SHEET NO.		
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION		
PERMIT DRAWINGS SHEET 21 OF 39		



MATCH LINE -L- STA 379+00 SEE SHEET 14

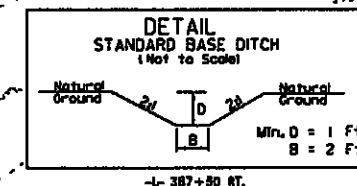
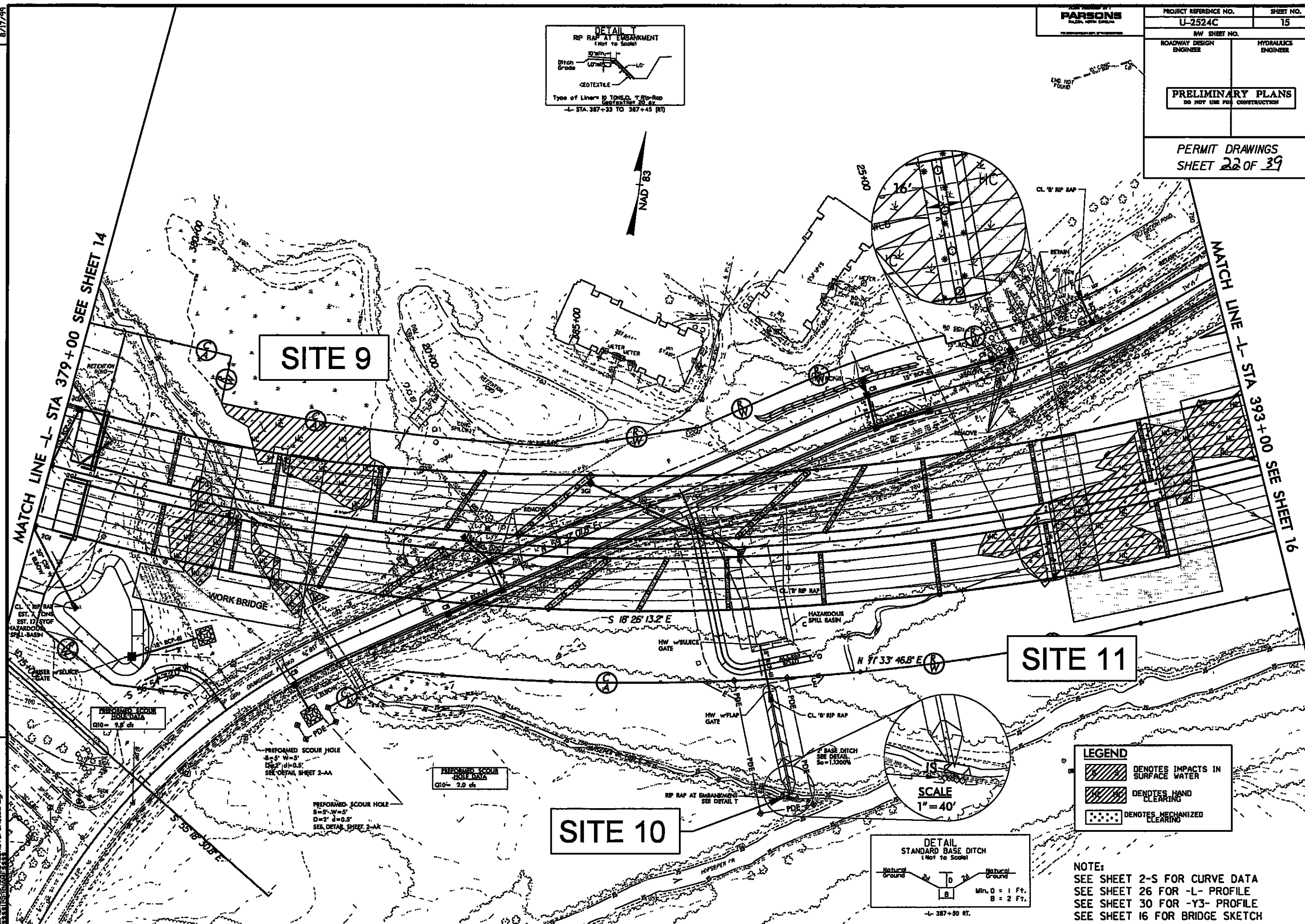
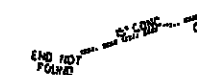
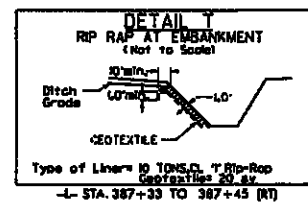
SITE 9

MATCH LINE -L- STA 393+00 SEE SHEET 16



REVISIONS

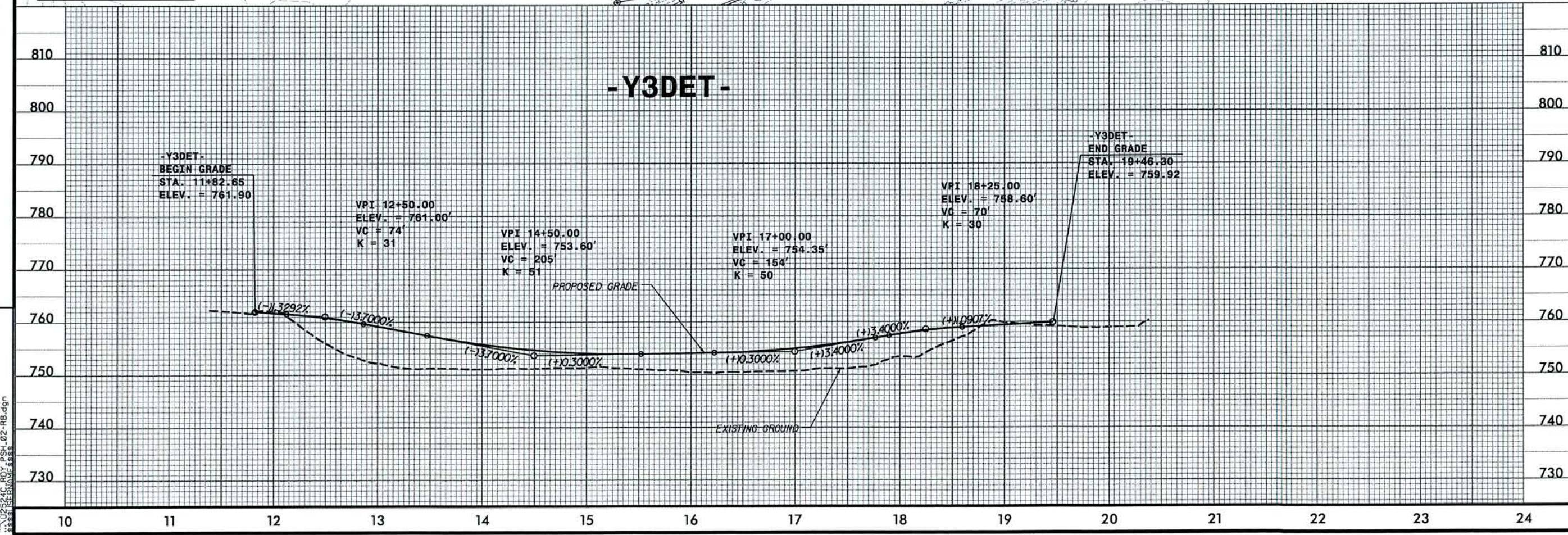
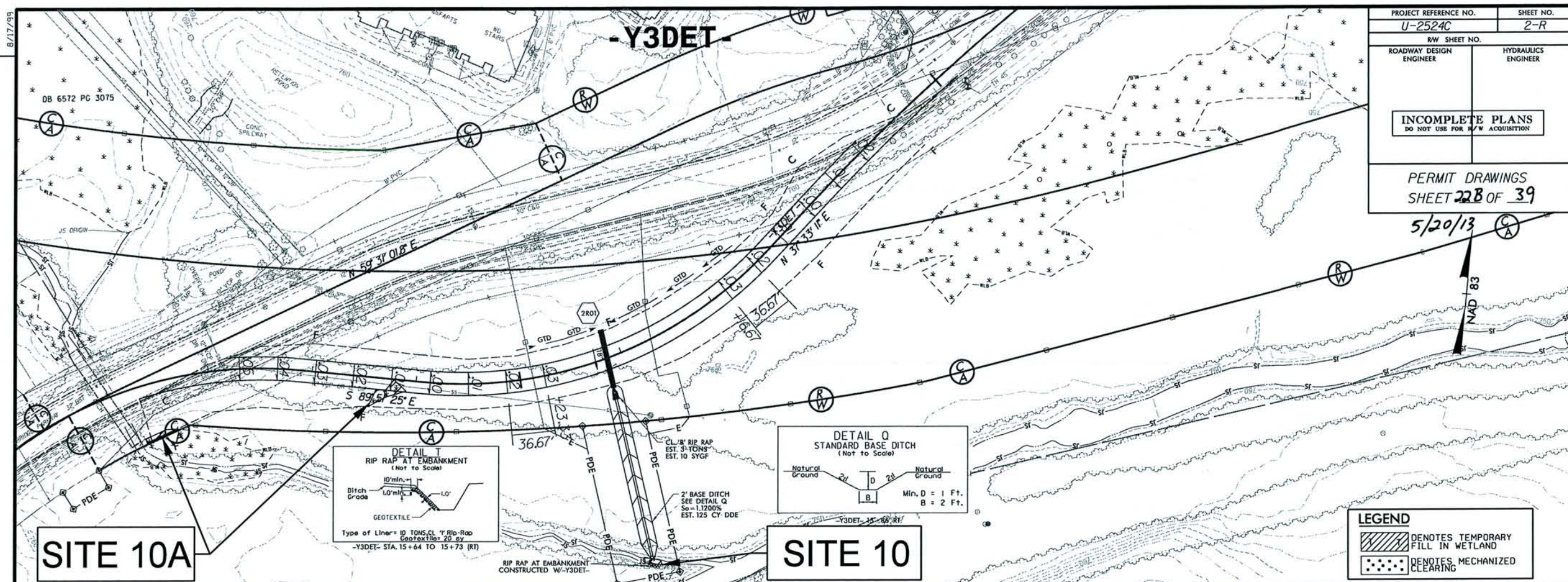
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PARSONS



LEGEND

	DENOTES IMPACTS 1 SURFACE WATER
	DENOTES HAND CLEARING
	DENOTES MECHANIZED CLEARING

NOTE:
SEE SHEET 2-S FOR CURVE DATA
SEE SHEET 26 FOR -L- PROFILE
SEE SHEET 30 FOR -Y3- PROFILE
SEE SHEET 16 FOR BRIDGE SKETCH



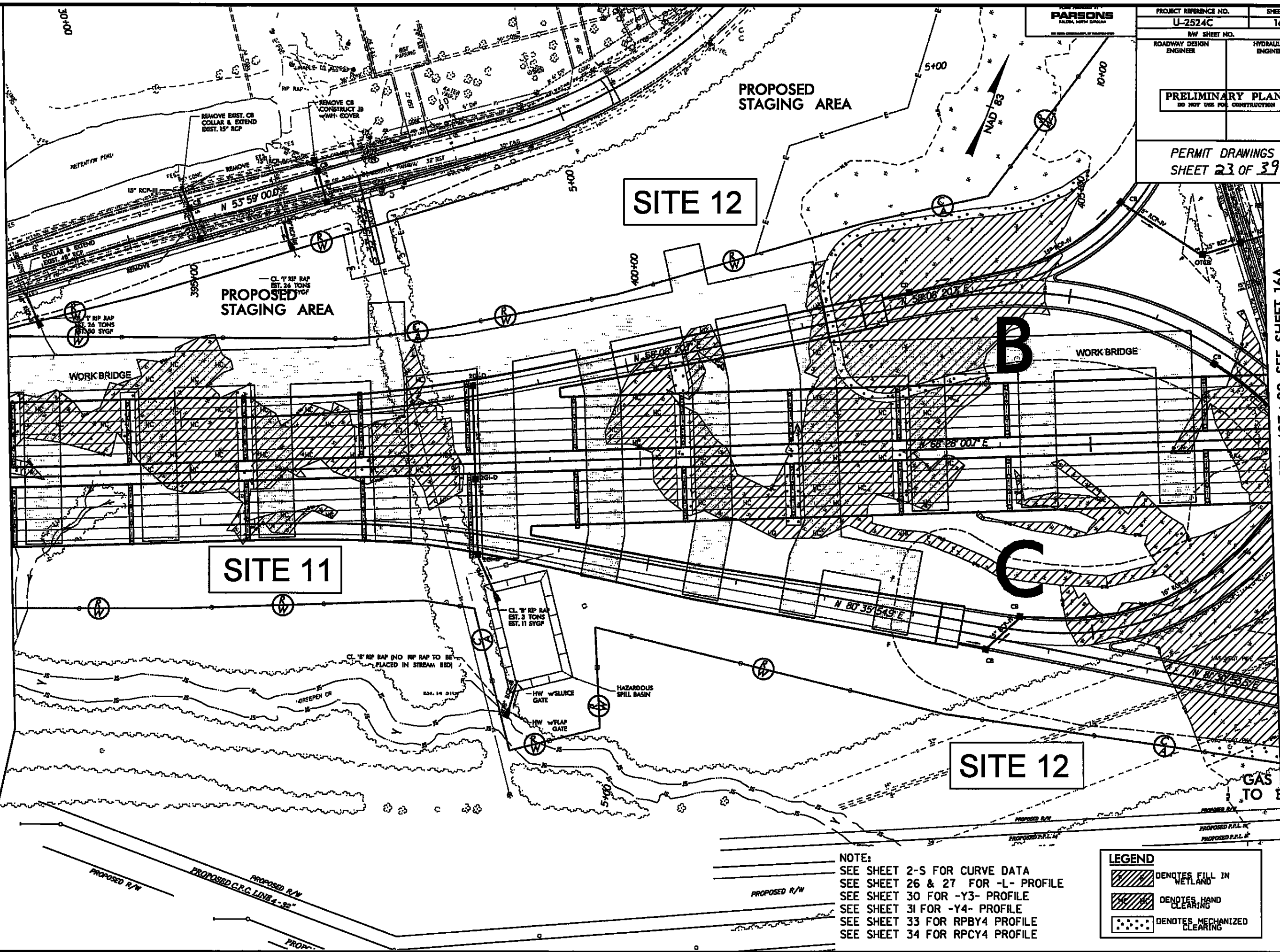
8/17/99

PARSONS
PLANNING, NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
U-2524C	16A
HW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
PERMIT DRAWINGS SHEET 23 OF 39	

MATCH LINE -L- STA 393+00 SEE SHEET 15

MATCH LINE -L- STA 407+00 SEE SHEET 16A



NOTE:
SEE SHEET 2-S FOR CURVE DATA
SEE SHEET 26 & 27 FOR -L- PROFILE
SEE SHEET 30 FOR -Y3- PROFILE
SEE SHEET 31 FOR -Y4- PROFILE
SEE SHEET 33 FOR RPBY4 PROFILE
SEE SHEET 34 FOR RPCY4 PROFILE

LEGEND	
	DENOTES FILL IN WETLAND
	DENOTES HAND CLEARING
	DENOTES MECHANIZED CLEARING

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PARSONS

MATCH LINE -L- STA 393+00 SEE SHEET 15

MATCH LINE -L- STA 407+00 SEE SHEET 16A

SITE 12

SITE 11

SITE 12

NOTE:
SEE SHEET 2-S FOR CURVE DATA
SEE SHEET 26 & 27 FOR -L- PROFILE
SEE SHEET 30 FOR -Y3- PROFILE
SEE SHEET 31 FOR -Y4- PROFILE
SEE SHEET 33 FOR RPB4 PROFILE
SEE SHEET 34 FOR RPC4 PROFILE

LEGEND

 DENOTES FILL IN WETLAND

 DENOTES HAND CLEARING

 DENOTES MECHANIZED CLEARING

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8/17/99

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PARSONS
RALEIGH, NORTH CAROLINA
FOR NORTH CAROLINA DEPT. OF TRANSPORTATION

PROJECT REFERENCE NO.	SHEET NO.
U-2524C	16B
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
PERMIT DRAWINGS Rev. SHEET 25 OF 39	

SITE 13

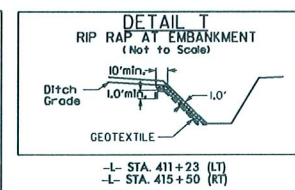
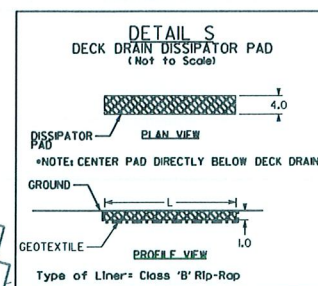
SITE 14

SITE 13

SITE 12

MATCH LINE -L- STA 407 + 00 SEE SHEET 16A

MATCH LINE -L- STA 421 + 00 SEE SHEET 17



LEGEND

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

NOTE:
SEE SHEET 2-S FOR CURVE DATA
SEE SHEET 26 & 27 FOR -L- PROFILE
SEE SHEET 31 FOR -Y4- PROFILE
SEE SHEET 32 FOR RPAY4 PROFILE
SEE SHEET 34 FOR RPCY4 PROFILE
SEE SHEET 35 FOR RPDY4 PROFILE
SEE SHEET 36 FOR SPAY4, SPCY4
& SPDY4 PROFILE

REVISIONS

8/17/99

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PARSONS
RALEIGH, NORTH CAROLINA
FOR NORTH CAROLINA DEPT. OF TRANSPORTATION

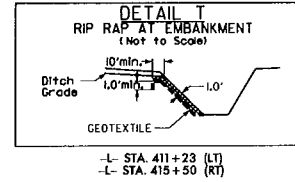
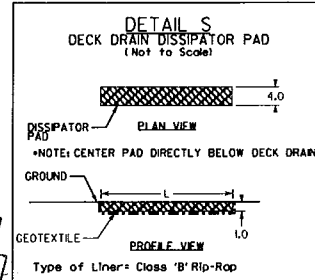
PROJECT REFERENCE NO. U-2524C		SHEET NO. 16B	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
PERMIT DRAWINGS <i>Rev. SHEET 26 OF 39</i>			

SITE 13

SITE 14

SITE 13

SITE 12



LEGEND

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

NOTE:
SEE SHEET 2-S FOR CURVE DATA
SEE SHEET 26 & 27 FOR -L- PROFILE
SEE SHEET 31 FOR -Y4- PROFILE
SEE SHEET 32 FOR RPY4 PROFILE
SEE SHEET 34 FOR RPY4 PROFILE
SEE SHEET 35 FOR RPY4 PROFILE
SEE SHEET 36 FOR SPY4, SPCY4
& SPDY4 PROFILE

MATCH LINE -L- STA 407+00 SEE SHEET 16A

MATCH LINE -L- STA 421+00 SEE SHEET 17

REVISIONS

MATCH LINE -Y4- STA 35+00 SEE SHEET 16

SITE 12

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8/17/99

DESIGNED BY
PARSONS
BLOOMINGTON, INDIANA

PROJECT REFERENCE NO.	SHEET NO.
U-2524C	19
RAW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	

PERMIT DRAWINGS
SHEET 28 OF 39

REVISIONS

MATCH LINE -Y4- STA 35+00 SEE SHEET 16

SITE 12

LEGEND
DENOTES FILL IN WETLAND

NOTE:
SEE SHEET 31 FOR -Y4- PROFILE

2/24/24 BY
2/24/24 BY
2/24/24 BY