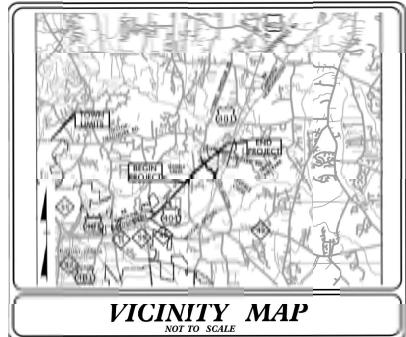


CONTRACT:

TIP PROJECT: HL-0006



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

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PERMIT DRAWING
SHEET 1 OF 37

| STATE | STATE PROJECT REFERENCE NO. | SPRINT NO. | TOTAL SHEETS |
|---------------|-----------------------------|-------------------|--------------|
| N.C. HL-0006 | | 1 | |
| STATE PROJNO. | R.A.PROJNO. | DESCRIPTION | |
| 493651.1 | | PE | |
| 493652.1 | | ROW & UTIL CONST. | |
| 493653.1 | | | |

WAKE COUNTY

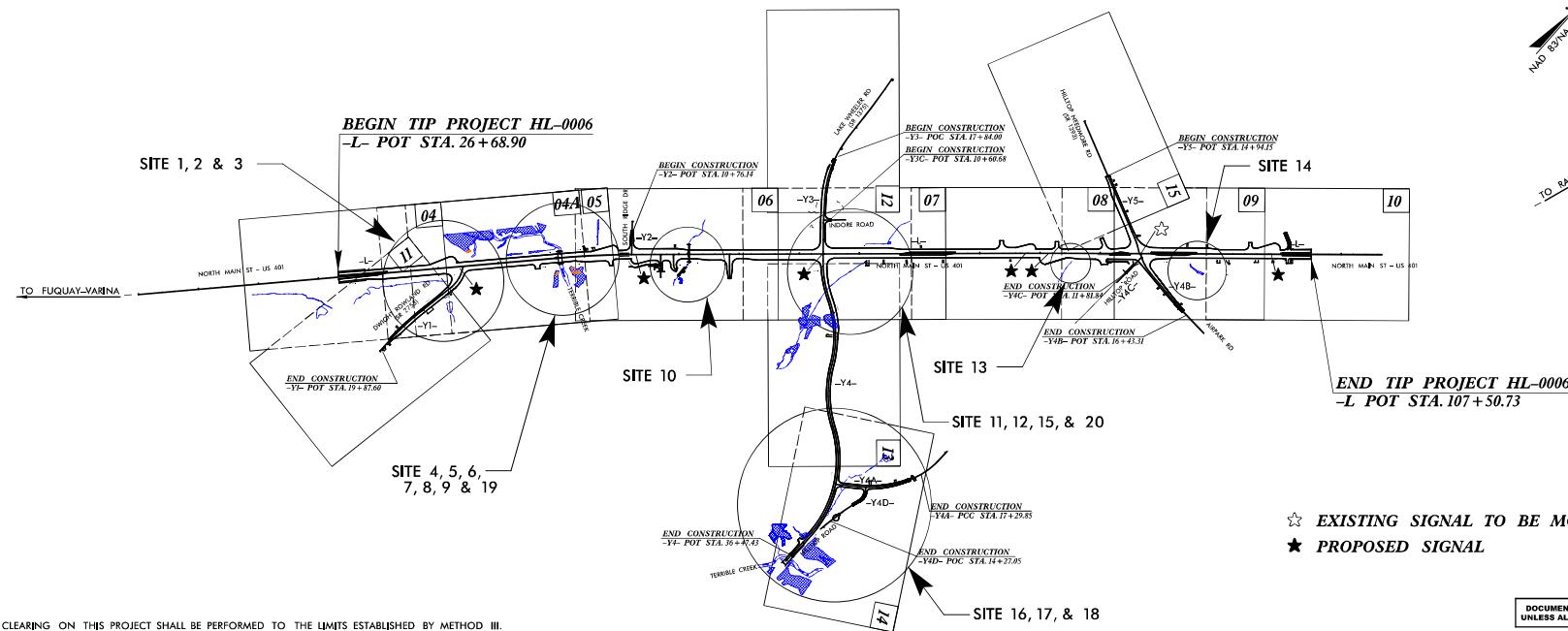
**LOCATION: FUQUAY-VARINA - US 401
FROM DWIGHT ROWLAND RD (SR 2753) TO CURRIN DRIVE**

TYPE OF WORK: WIDENING, GRADING, DRAINAGE, PAVING, AND SIGNALS

WETLAND AND SURFACE WATER IMPACTS PERMIT

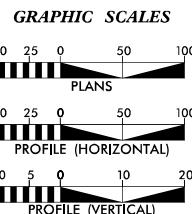


NAD 83/V4 2011
TO RALEIGH



CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III.

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



DESIGN DATA

ADT 2025 = 31,400
ADT 2045 = 45,400
K = 8 %
D = 65 %
T = 5 % *
V = 50 MPH
* TTST = 1 DUAL 4
FUNC CLASS = PRINCIPAL ARTERIAL

PROJECT LENGTH

LENGTH OF ROADWAY TIP PROJECT HL-0006 = 1.531 MI.

TOTAL LENGTH OF TIP PROJECT HL-0006 = 1.531 MI.



Prepared In the Office of:
940 Main Campus Drive, Suite 500
Raleigh, NC 27606
NC License No. C-3705

2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
OCTOBER 13, 2023

LETTING DATE:
JUNE 17, 2025

TIM GOINS, PE

PROJECT ENGINEER

DAN GLEASON, PE

PROJECT DESIGN ENGINEER

JOHN BRAXTON

NC DOT CONTACT

HYDRAULICS ENGINEER

P.E.

SIGNATURE:

ROADWAY DESIGN ENGINEER

JOHN BRAXTON

NC DOT CONTACT

P.E.

SIGNATURE:



B-17-93

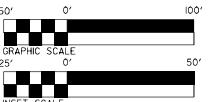
| | |
|----------------------------|------------------------|
| PROJECT REFERENCE NO. | SHEET NO. |
| HL-0006 | 04 |
| RW SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

NAD 83/NA 2011

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PERMIT DRAWING SHEET 2 OF 37



INSET SCALE

10' 0"

SURFACE WATER IMPACTS

10' 0"

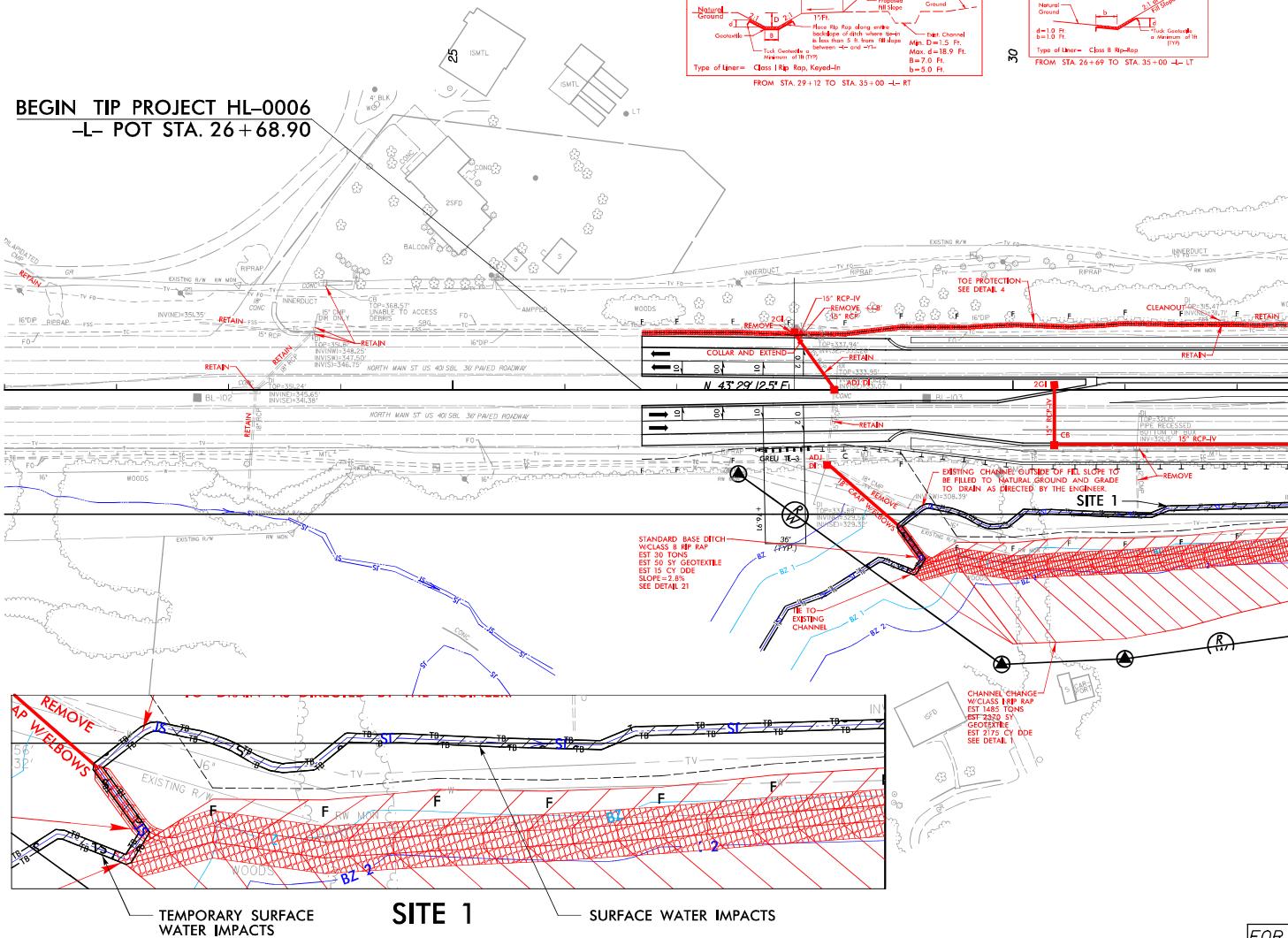
TEMPORARY SURFACE WATER IMPACTS

REVISIONS

NORTH MAIN ST US 40 SBL 36' PAVED ROADWAY
SEE SHEET 4A

FOR -L- PROFILE SEE SHEET 16

BEGIN TIP PROJECT HL-0006
-L- POT STA. 26 + 68.90

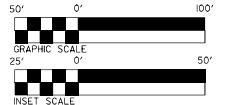


| | |
|-------------------------|---------------------|
| PROJECT REFERENCE NO. | SHEET NO. |
| HL-0006 | 04 |
| RW SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

DOCUMENT NOT CONSIDERED FINAL
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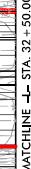
PERMIT DRAWING SHEET 3 OF 37

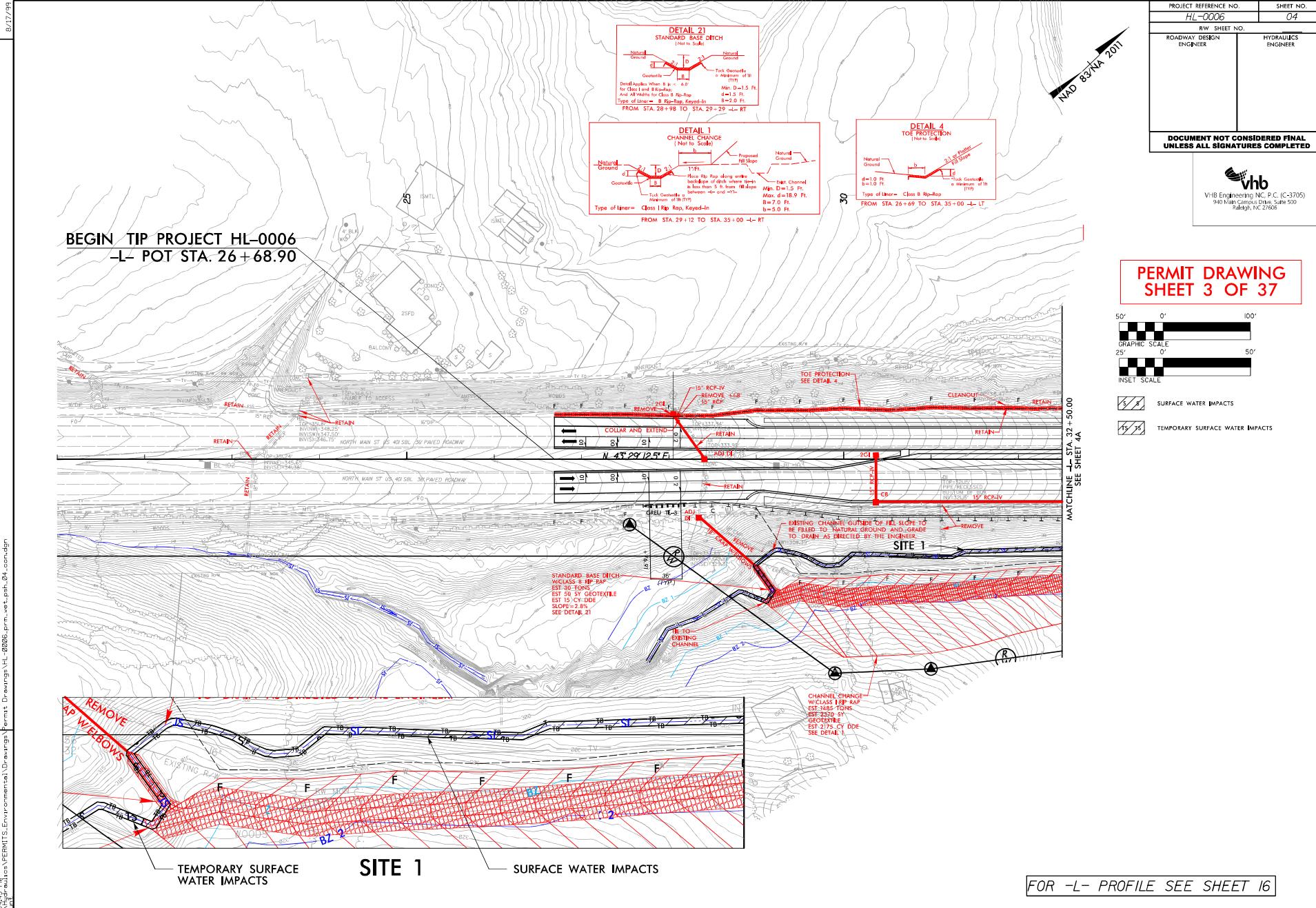


 INSET SCALE

 SURFACE WATER IMPACTS

 TEMPORARY SURFACE WATER IMPACTS

MATCHLINE  STA. 32 + 50.00
SEE SHEET 4A



PI Sta. II-15.04
 △ = 4° 29' 000" (RT)
 D = 20° 50' 05.4"
 L = 199.1' F
 T = 104.1'
 R = 275.00'
 SE = SEE PLANS
 RO = SEE PLANS

DETAIL 37 PIPE OUTLET CHANNEL STABILIZATION
(Not to Scale)

DETAIL 2 STANDARD BASE DITCH
(Not to Scale)

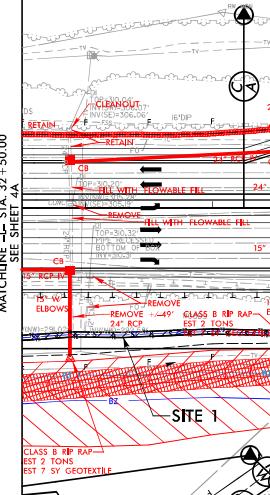
DETAIL 4 TOE PROTECTION
(Not to Scale)

DETAIL 1 CHANNEL CHANGE
(Not to Scale)

DETAIL 28 BANK STABILIZATION
(Not to Scale)

DETAIL 3 BERM BASE DITCH
(Not to Scale)

DETAIL 31 SPECIAL BASE DITCH
(Not to Scale)

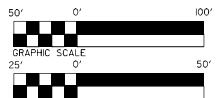


PERMIT DRAWING SHEET 4 OF 37

| | |
|-------------------------|---------------------|
| PROJECT REFERENCE NO. | SHEET NO. |
| HL-0006 | 04A |
| RW SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

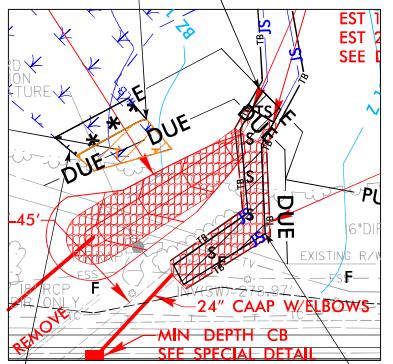
NAD 83/VA 2011



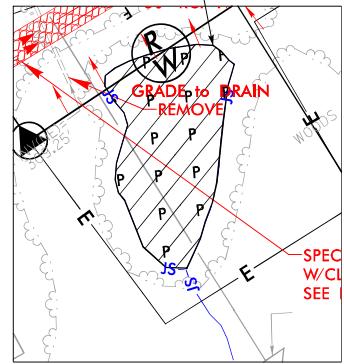
- SURFACE WATER IMPACTS
- SURFACE WATER IMPACTS POND
- TEMPORARY SURFACE WATER IMPACTS
- MECHANIZED CLEARING (GRUBBING)

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 940 Main Campus Drive, Suite 500
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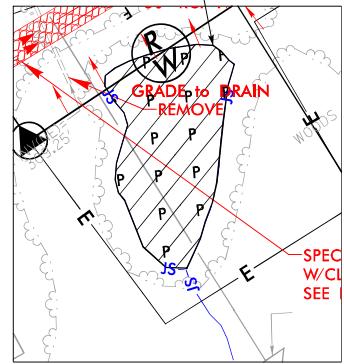
TEMPORARY EXCAVATION



TEMPORARY SURFACE WATER IMPACTS

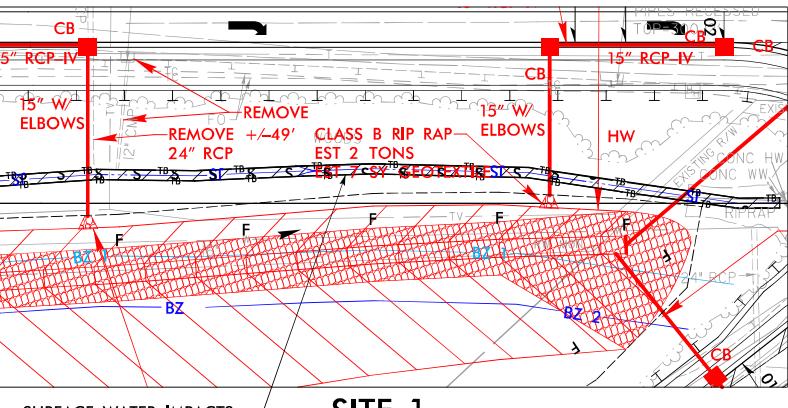
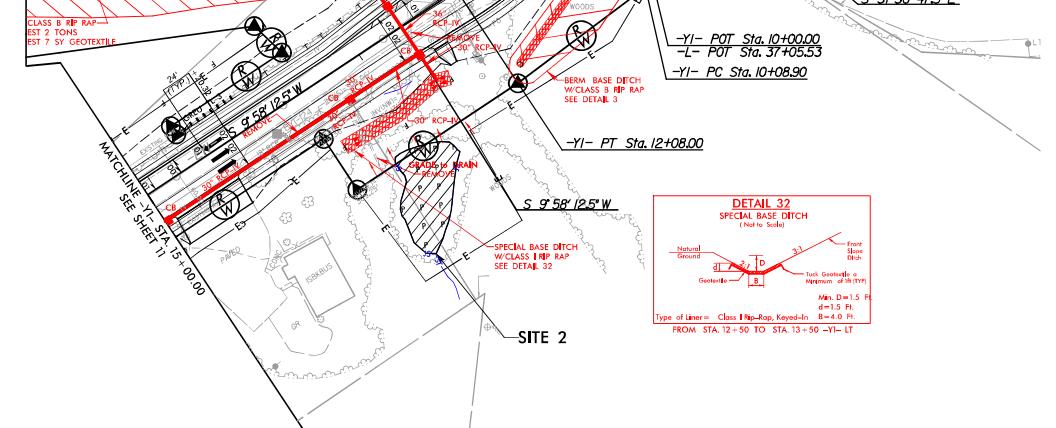


POUND SURFACE WATER IMPACTS



SITE 1 AND SITE 3

MACHINING LINE STA. 32+50.00 SEE SHEET 5



SITE 1 SURFACE WATER IMPACTS

| PROJECT REFERENCE NO. | | SHEET NO. |
|----------------------------|------------------------|--|
| HL-0006 | | 05 |
| RW SHEET NO. | | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER | |
| | | DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED |

PERMIT DRAWING SHEET 6 OF 37

TEMPORARY SURFACE WATER IMPACTS

MECHANIZED CLEARING (GRUBBING)

FILL IN WETLAND

SURFACE WATER IMPACTS

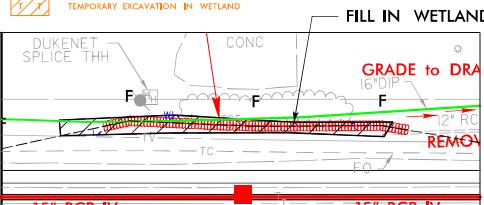
WETLAND EXCAVATION

TEMPORARY EXCAVATION IN WETLAND

NAD 83/NA 2011

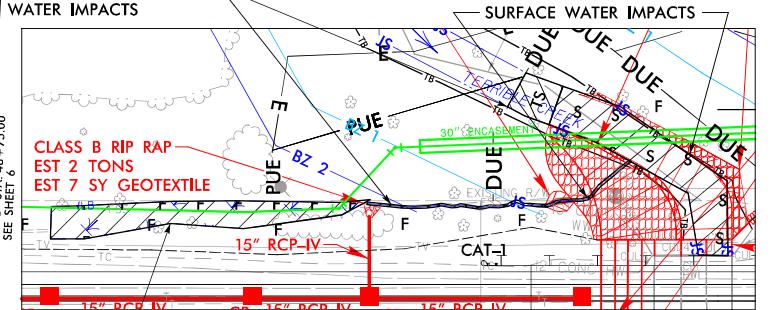
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940 Main Campus Drive, Suite 500
Raleigh, NC 27608

50' GRAPHIC SCALE
0' 100'
25' INSET SCALE



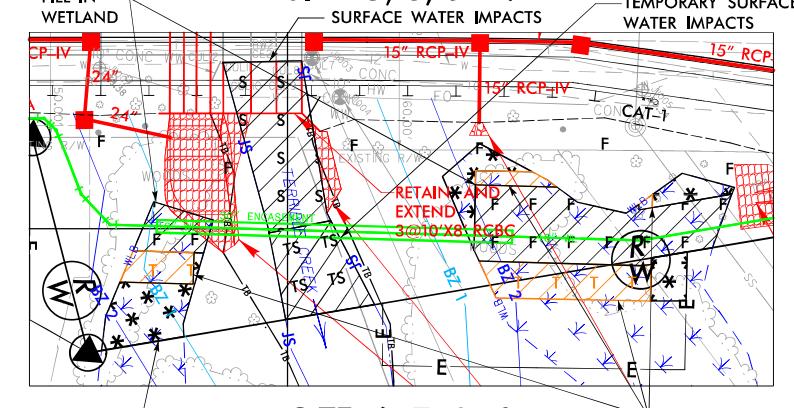
SITE 4

TEMPORARY SURFACE WATER IMPACTS



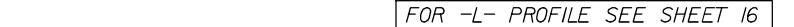
SITE 5, 6, & 19

SURFACE WATER IMPACTS



SITE 6, 7, & 8

TEMPORARY SURFACE WATER IMPACTS



MECHANIZED
CLEARING

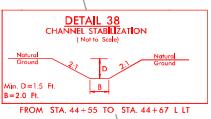
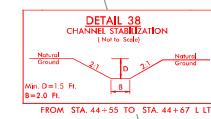
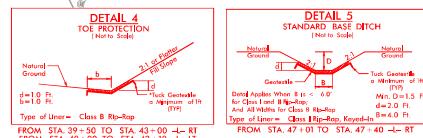
EXCAVATION

MECHANIZED
CLEARING

TEMPORARY
EXCAVATION

FOR -L- PROFILE SEE SHEET 16

PI Sta 48+2578
 $\Delta = 4^{\circ} 47' 25.0'$ (RT)
 $L = 303.93'$
 $T = 302.14'$
 $R = 7,250.00'$
SE = NC
RO = SEE PLANS

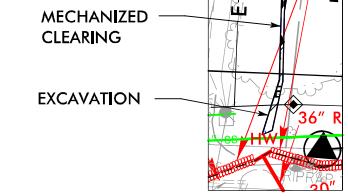
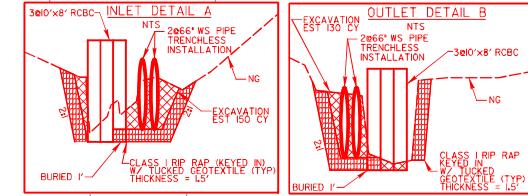


REVISIONS

NOVEMBER 10, 2023 - RIGHT OF WAY RESTRICTION
JANUARY 26, 2024 - RIGHT OF WAY RESTRICTION
MARCH 25, 2024 - REVISED SLOPES LEFT OF -L- ON PARCEL ID TO MISS SEPTIC LINES, REDUCED DRAINAGE UTILITY EASEMENT AND ADDED DO NOT DISTURB NOTE

Matchline -L- STA. 40 + 50.00

Matchline -L- STA. 48 + 75.00



SITE 9

B17-93

| PROJECT REFERENCE NO. | | SHEET NO. |
|----------------------------|------------------------|-----------|
| HL-006 | | 05 |
| RW SHEET NO. | | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER | |

PERMIT DRAWING SHEET 7 OF 37

(/)/TEMPORARY SURFACE WATER IMPACTS

(***)/MECHANIZED CLEARING (GRUBBING)

(//)FILL IN WETLAND

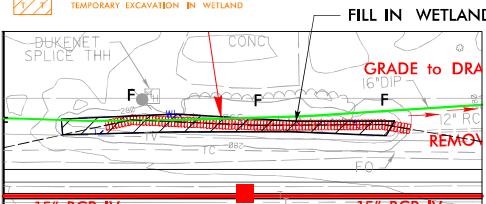
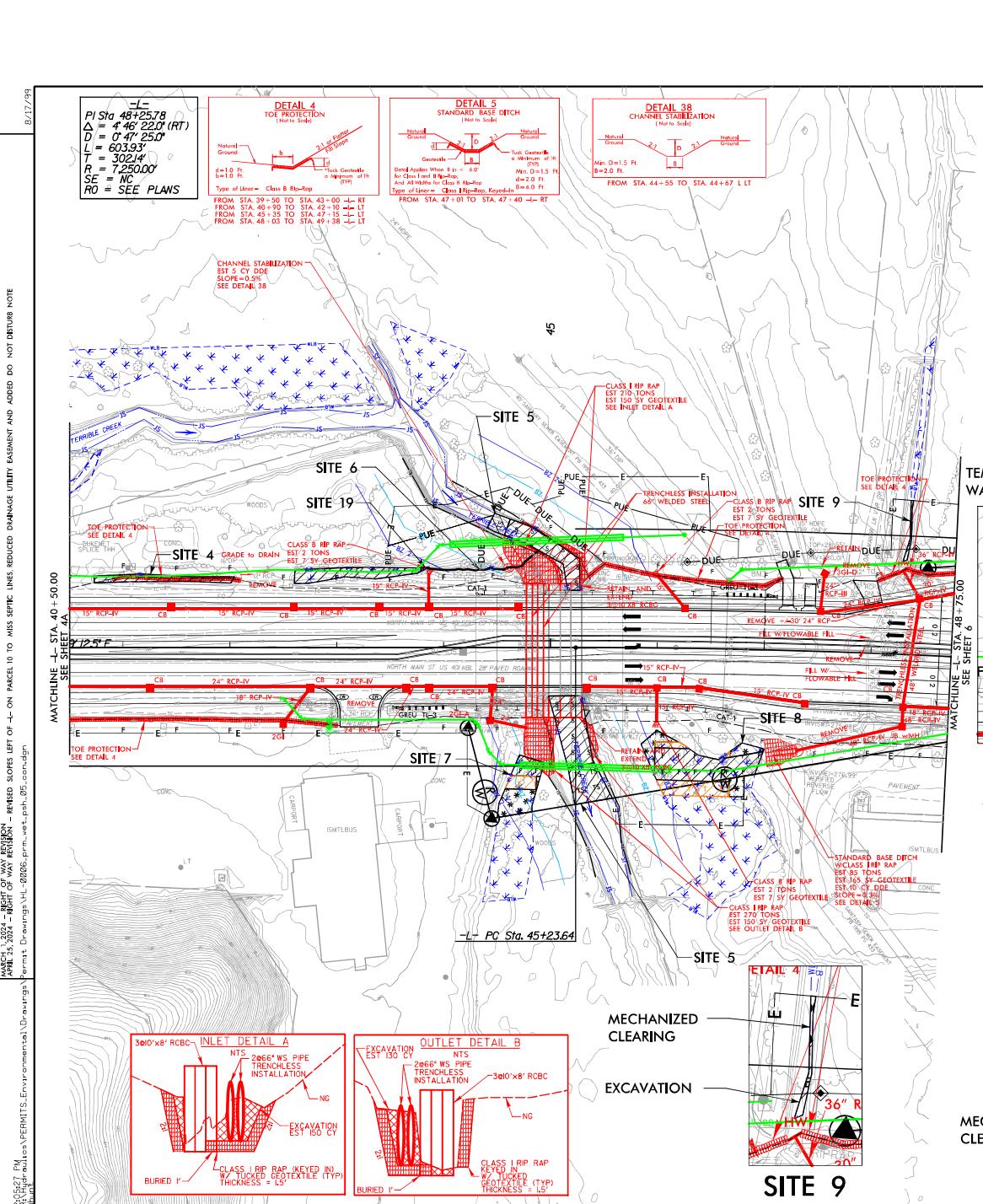
(//)TEMPORARY EXCAVATION IN WETLAND

NAD 83/NA 2011

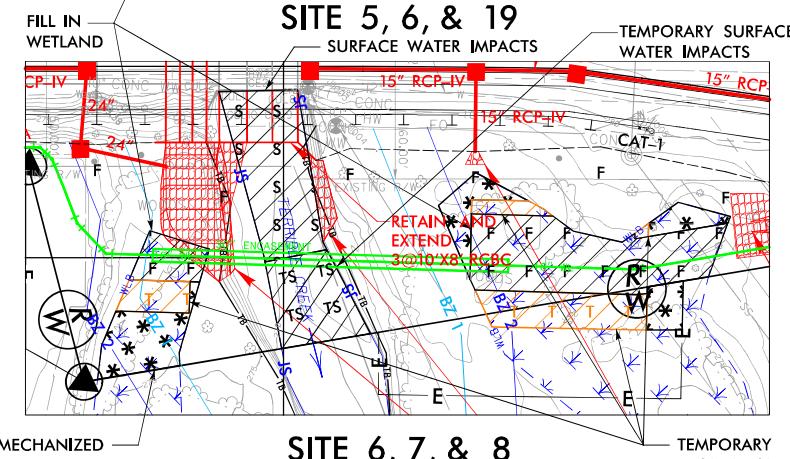
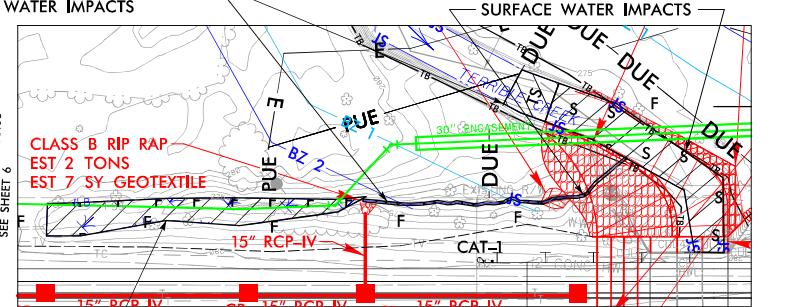
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

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Raleigh, NC 27608

50' GRAPHIC SCALE
25' INSET SCALE



SITE 4 TEMPORARY SURFACE WATER IMPACTS

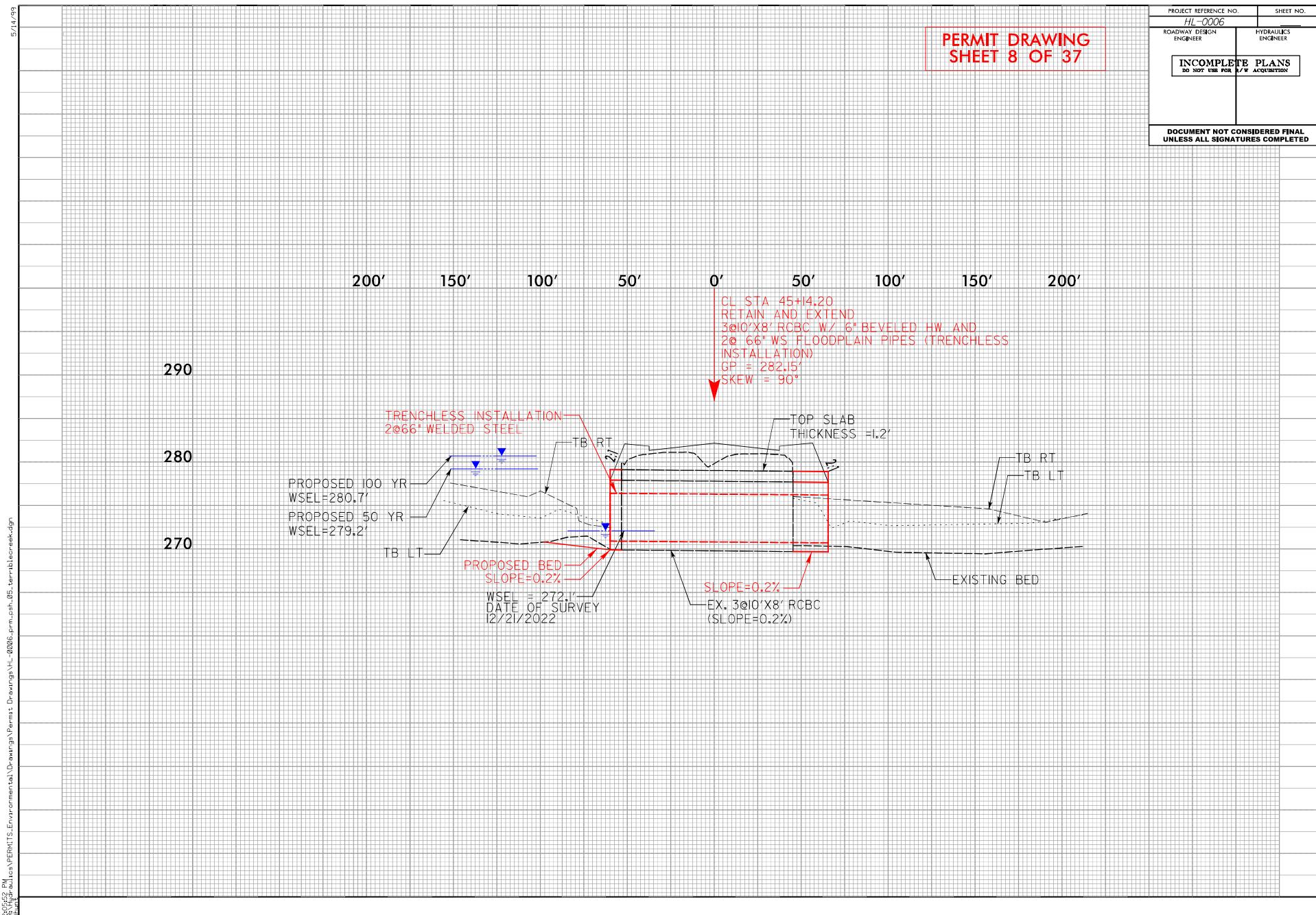


SITE 6, 7, & 8 TEMPORARY SURFACE WATER IMPACTS

FOR -L- PROFILE SEE SHEET 16

| | |
|--|------------------------|
| PROJECT REFERENCE NO. | SHEET NO. |
| HL-0006 | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |
| INCOMPLETE PLANS DO NOT USE FOR S/W ACQUISITION | |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | |

**PERMIT DRAWING
SHEET 8 OF 37**



-L-
PI Sta. 48+25.78
 $\Delta = 4^{\circ}46'22.0'$ (RT)
 $D = 0^{\circ}47'25.0'$
 $L = 603.93'$
 $R = 7,250.00'$
SE = NC
RO - SEE PLANS

-DRV_2-
PI Sta. 10+06.59
 $\Delta = 90^{\circ}00'00.0'$ (RT)
 $D = 286^{\circ}28'44.0'$
 $L = 314.2'$
 $R = 20.00'$
SE = SEE PLANS
RO - SEE PLANS

-DRV_4-
PI Sta. 10+08.28
 $\Delta = 286^{\circ}28'44.0'$ (RT)
 $D = 143^{\circ}14'22.0'$
 $L = 157.1'$
 $R = 20.00'$
SE = SEE PLANS
RO - SEE PLANS

-DRV_5-
PI Sta. 11+06.43
 $\Delta = 67^{\circ}23'59.4'$ (LT)
 $D = 286^{\circ}28'44.0'$
 $L = 157.1'$
 $R = 266.8'$
SE = SEE PLANS
RO - SEE PLANS

DETAIL 7
RIP RAP AT EMBANKMENT
(Nets w/o Scale)
Ditch Grade: 10 min.
Face Geotextile Under
Geotextile: Geotextile
Post Barriers into Channel Bottom
Type of Liner: 20 TONS CL II Rip-Rap, Keyed-In
FROM STA. 55+75 TO STA. 55+95 LT

DETAIL 8
LATERAL BASE DITCH
(Nets w/o Scale)
Natural Ground
Tuck Geotextile W/ Mesh
Ditch Grade: S + B - 6.0'
Ditch Depth: 4.0'
Min. D=1.5 ft
Min. B=4.0 ft
Max. B=5.0 ft
Type of Liner: Class I Rip-Rap, Keyed-In
FROM STA. 55+86 TO STA. 57+10 LT

DETAIL 9
SPECIAL BASE DITCH
(Nets w/o Scale)
Natural Ground
Tuck Geotextile W/ Mesh
Ditch Grade: S + B - 6.0'
Min. D=1.5 ft
Min. B=3.0 ft
Type of Liner: Frost Protection
FROM STA. 59+15 TO STA. 59+50 LT

NAD 83 / KA 2011

| PROJECT REFERENCE NO. | | SHEET NO. |
|----------------------------|--|------------------------|
| HL-0006 | | 06 |
| RW SHEET NO. | | |
| ROADWAY DESIGN ENGINEER | | HYDRAULICS ENGINEER |

DOCUMENT NOT CONSIDERED FINAL
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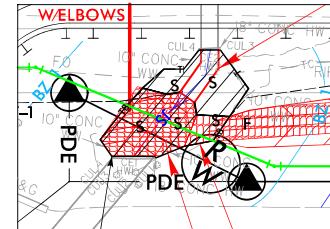
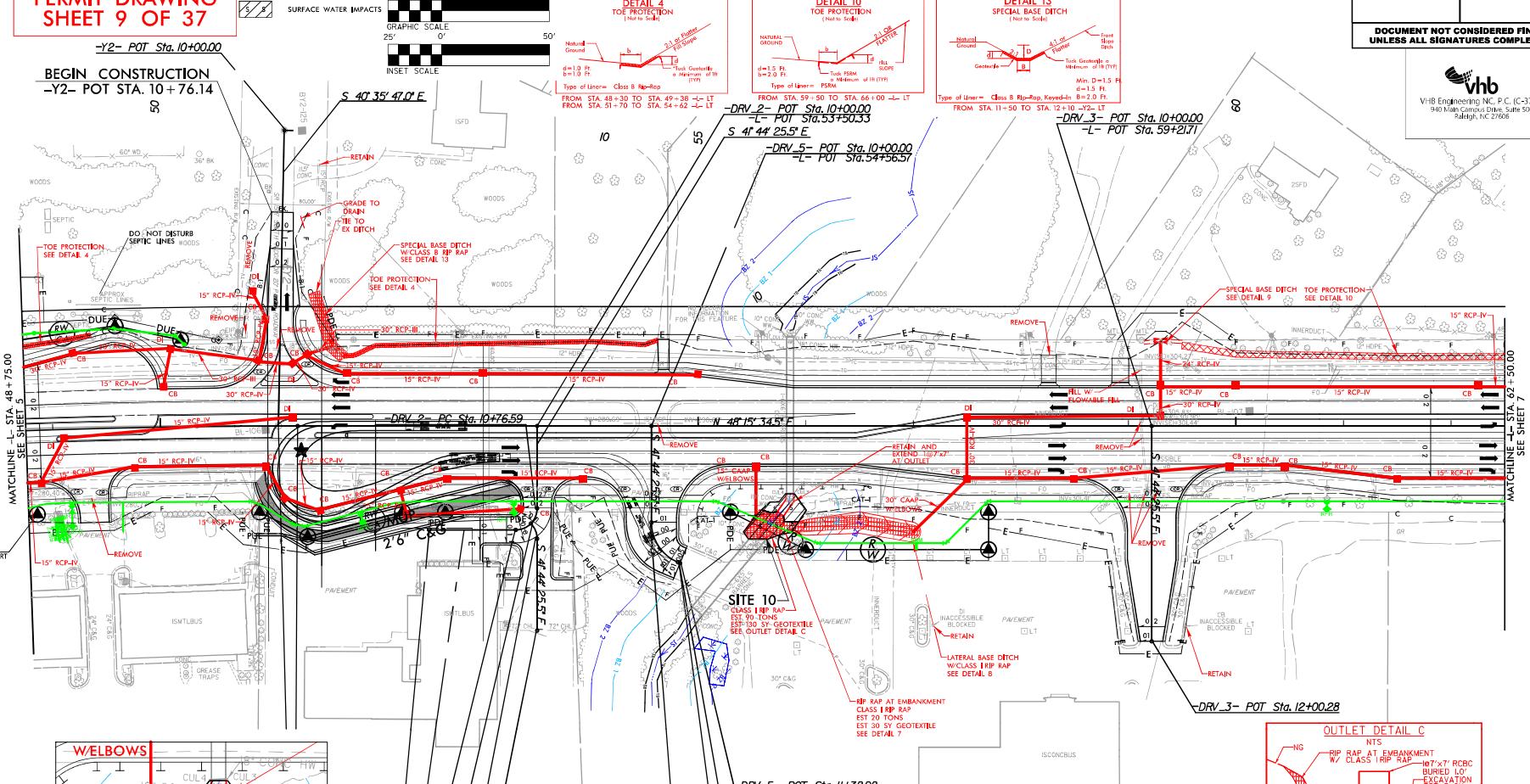
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PERMIT DRAWING SHEET 9 OF 37

-Y2- POT STA. 10+00.00

BEGIN CONSTRUCTION

-Y2- POT STA. 10+76.14



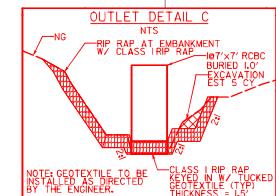
SITE 10
SURFACE WATER IMPACTS

-DRV_4- POT STA. 11+01.06
-DRV_4- PC STA. 10+00.00
-DRV_2- PT STA. 11+08.00
S 48°15'34.5" W
-DRV_2- POT STA. 11+08.33

-DRV_5- POT STA. 11+38.98
N 70°51'35.6" E
-DRV_5- PT STA. 11+36.80
-DRV_5- PC STA. 10+89.75

★ PROPOSED SIGNAL

| | |
|-----------------------------------|----------------------------------|
| FOR -L- PROFILE SEE SHEET 16 & 17 | FOR -DRV_3- PROFILE SEE SHEET 24 |
| FOR -Y2- PROFILE SEE SHEET 20 | FOR -DRV_4- PROFILE SEE SHEET 24 |
| FOR -DRV_2- PROFILE SEE SHEET 24 | FOR -DRV_5- PROFILE SEE SHEET 24 |



PROJECT REFERENCE NO.
HL-0006

SHEET NO.
06

RW SHEET NO.
06

ROADWAY DESIGN
ENGINEER

HYDRAULICS
ENGINEER

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B17-93

-L
PI Sta. 48+25.78
Δ = 4° 46' 22.0" (RT)
D = 0' 47" 25.0"
L = 60.39' 3"
T = 30.24'
R = 7,250.00'
SE = SEE PLANS
RO = SEE PLANS

-DRV_2-
PI Sta. 10+06.59
Δ = 90° 00' 00.0" (RT)
D = 286' 28" 44.0"
L = 157'
T = 20.00'
R = 20.00'
SE = SEE PLANS
RO = SEE PLANS

-DRV_4-
PI Sta. 10+08.28
Δ = 45° 00' 00.0" (RT)
D = 286' 28" 44.0"
L = 157'
T = 20.00'
R = 20.00'
SE = SEE PLANS
RO = SEE PLANS

-DRV_5-
PI Sta. 11+16.43
Δ = 67° 23' 59.4" (LT)
D = 143' 14" 22.0"
L = 314'
T = 26.68'
R = 40.00'
SE = SEE PLANS
RO = SEE PLANS

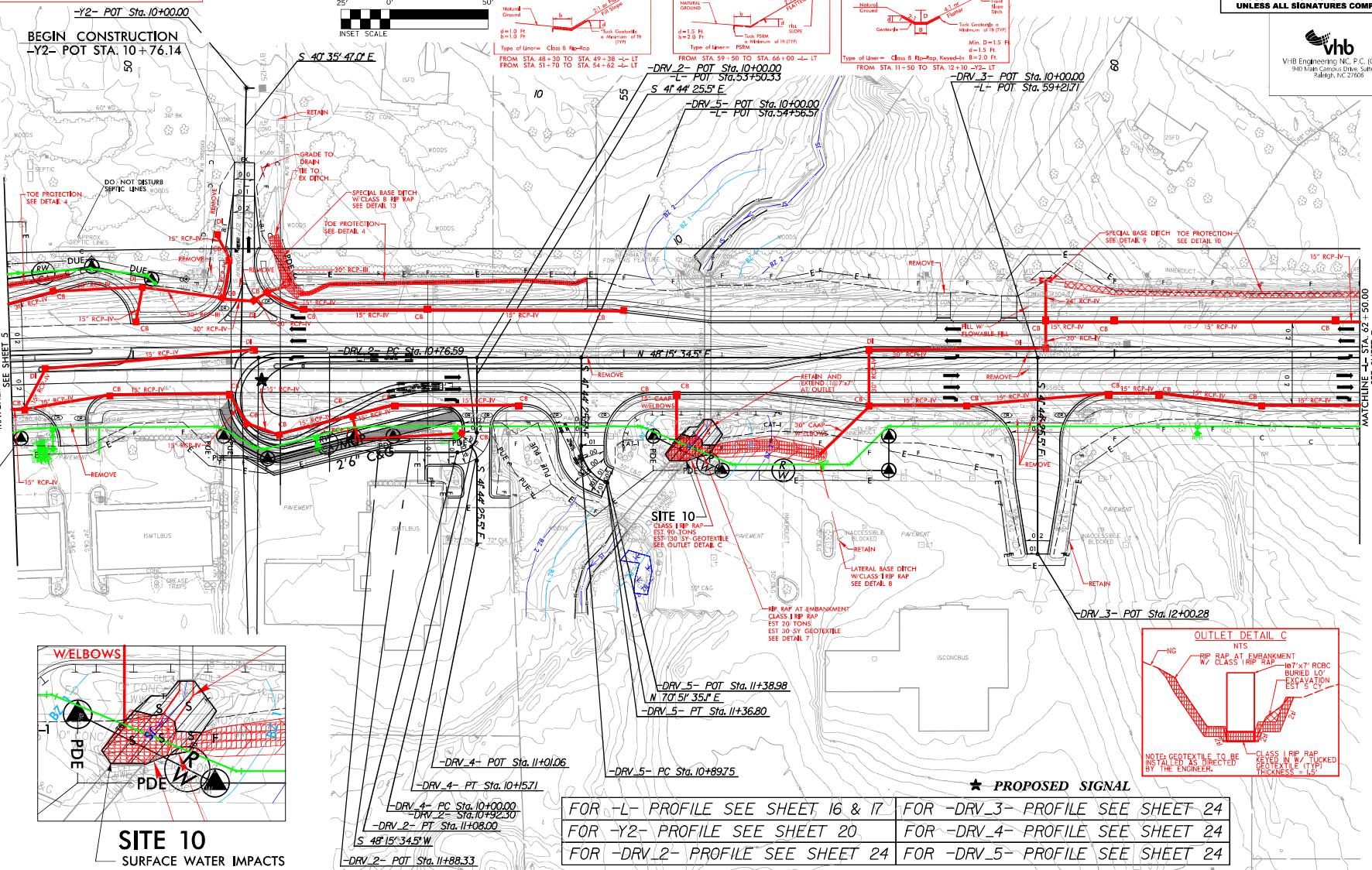
DETAIL 7
NRP RAP TO EMBANKMENT
Note: SLOPE
Ditch Grade: 1.0 m/m
Type of liner: 20 TONS CL 1 NRP-Rap, Keyed-In
FROM STA. 55+75 TO STA. 55+95 LT RT

DETAIL 8
LATERAL BASE DITCH
(Note: SLOPE)
Natural Ground
Geotextile
Ditch Grade: 1.0 m/m
Type of liner: Class I NRP-Rap, Keyed-In
Min. D=1.5 Ft
Max. D=4.0 Ft
B=5.0 Ft
FROM STA. 55+86 TO STA. 57+10 LT RT

DETAIL 9
SPECIAL BASE DITCH
(Note: SLOPE)
Natural Ground
Geotextile
Ditch Grade: 1.0 m/m
Type of liner: Class I NRP-Rap, Keyed-In
Min. D=1.5 Ft
Max. D=3.0 Ft
B=3.0 Ft
FROM STA. 59+15 TO STA. 59+50 LT

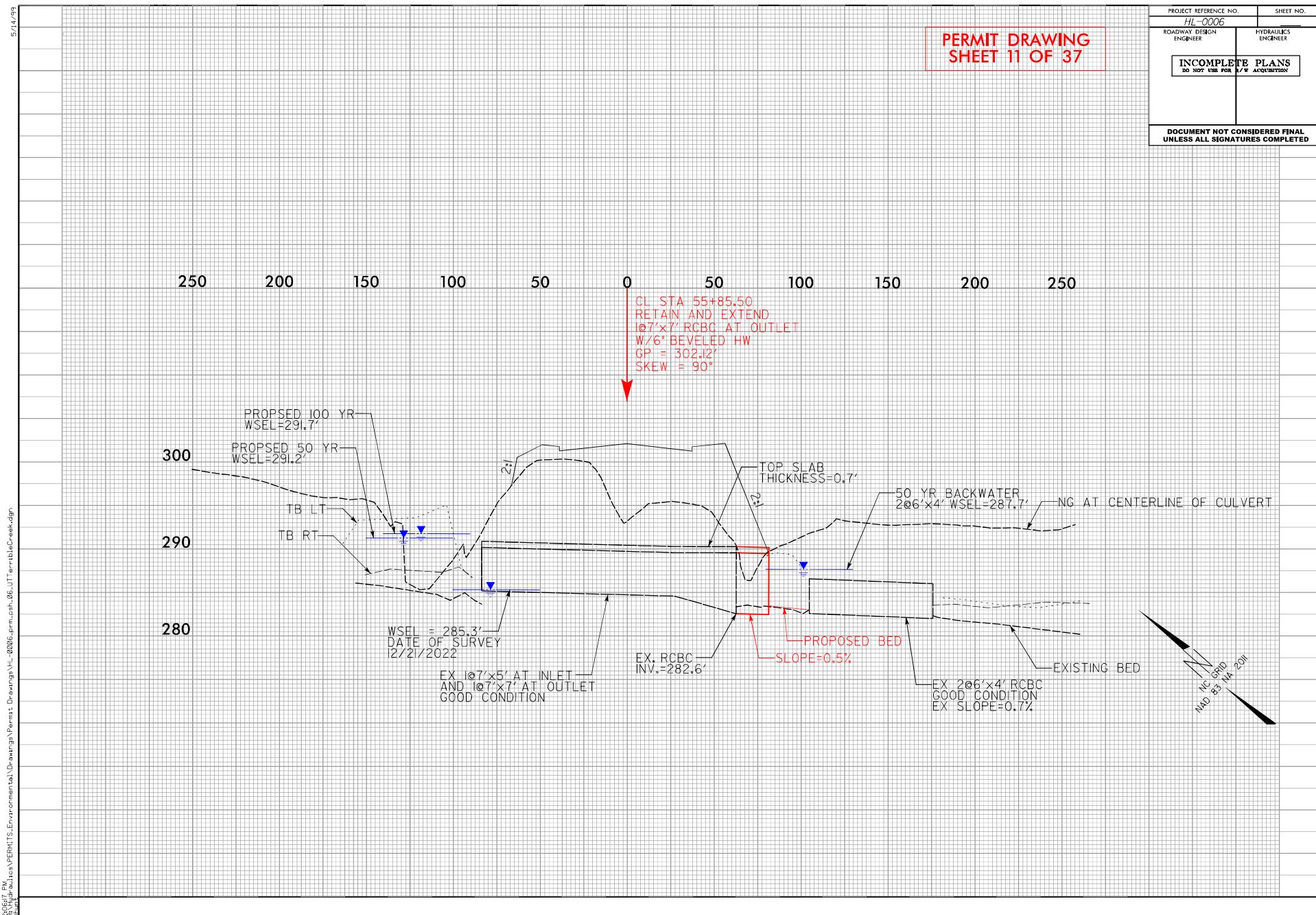
NAD 83 NA 2011

PERMIT DRAWING SHEET 10 OF 37



| | |
|--|------------------------|
| PROJECT REFERENCE NO. | SHEET NO. |
| HL-0006 | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |
| INCOMPLETE PLANS DO NOT USE FOR S/W ACQUISITION | |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | |

**PERMIT DRAWING
SHEET 11 OF 37**



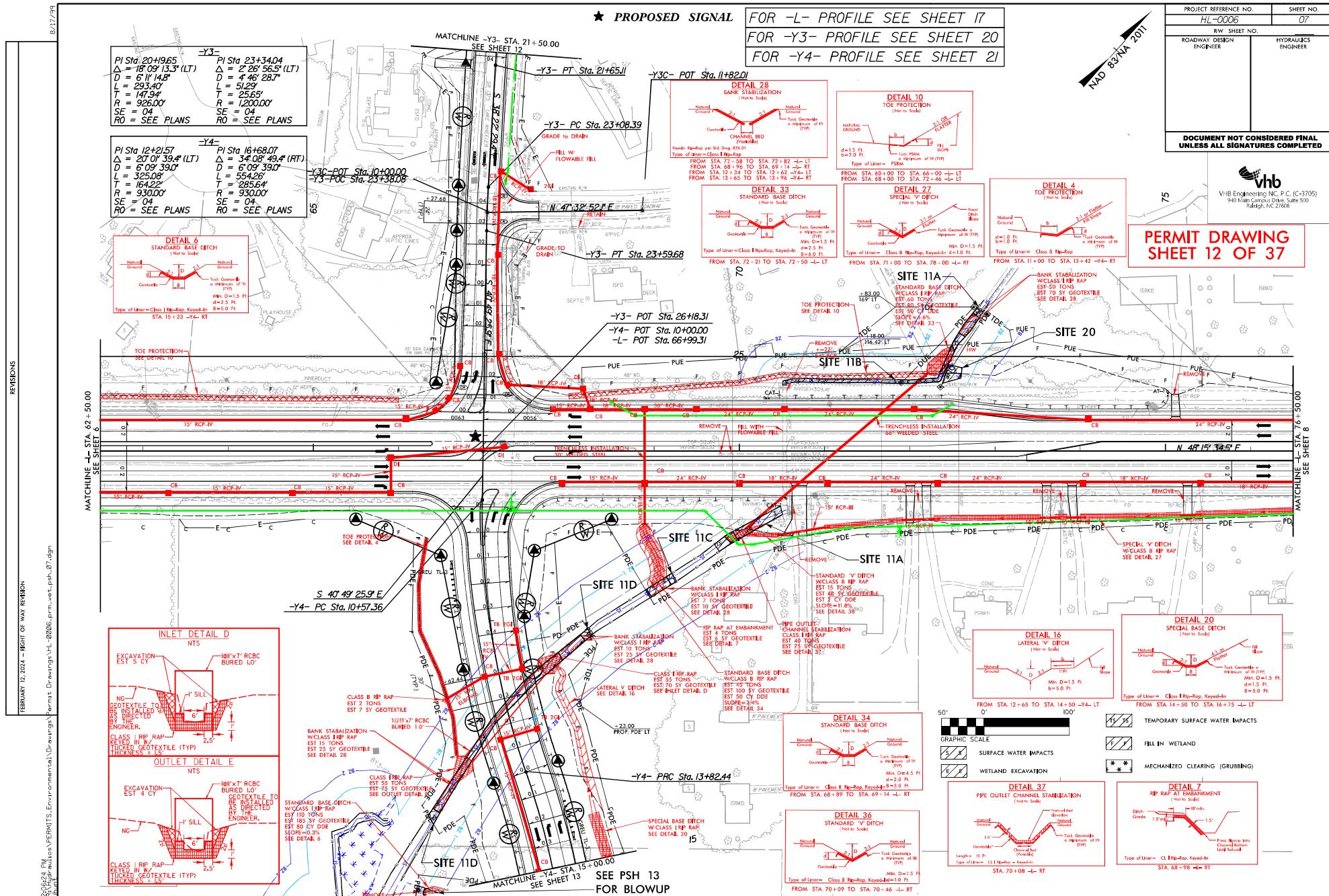
B17793

| | |
|-------------------------|---------------------|
| PROJECT REFERENCE NO. | SHEET NO. |
| HL-0006 | 07 |
| RW SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

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940 Main Campus Drive, Suite 500
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PERMIT DRAWING SHEET 12 OF 37



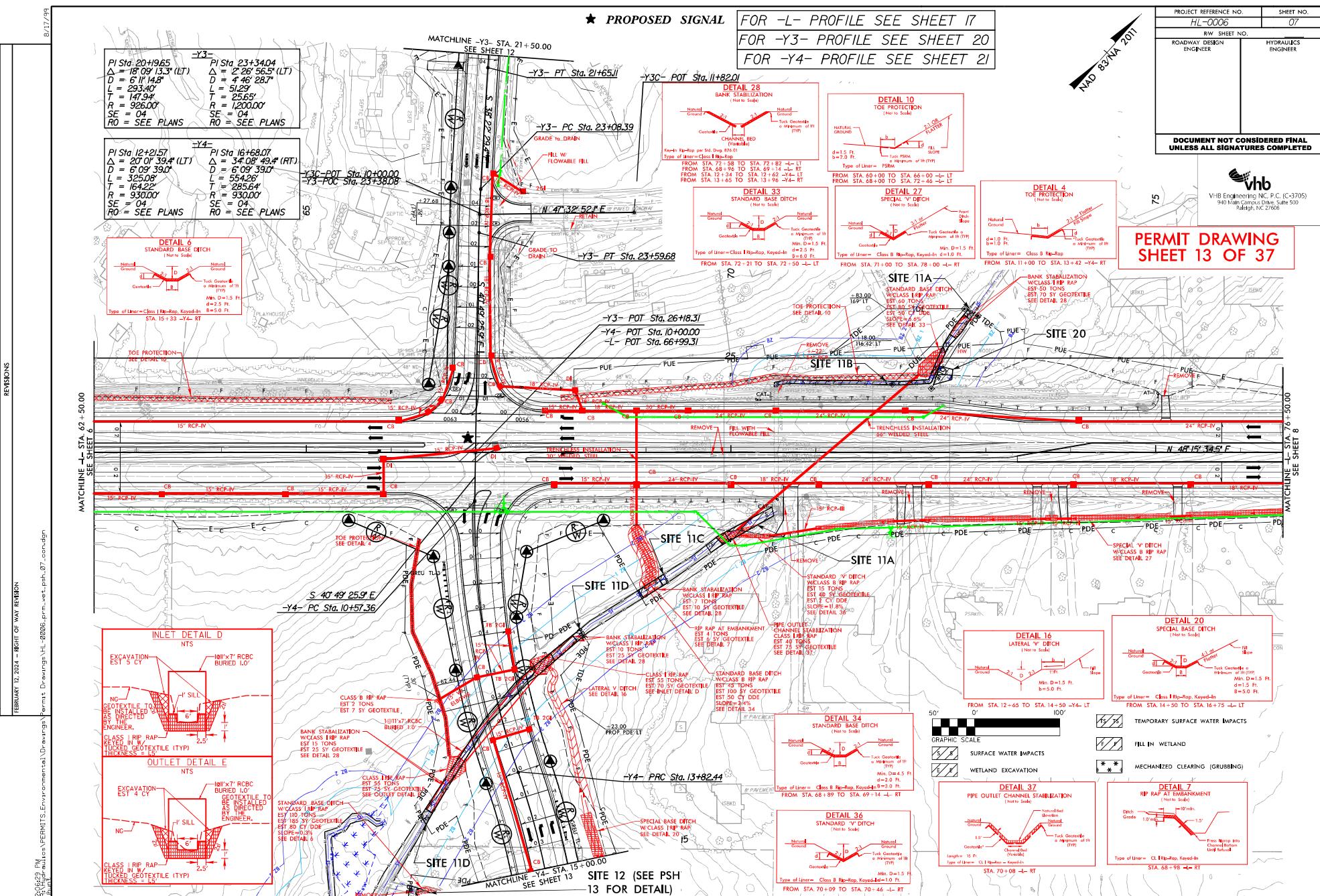
B177-93

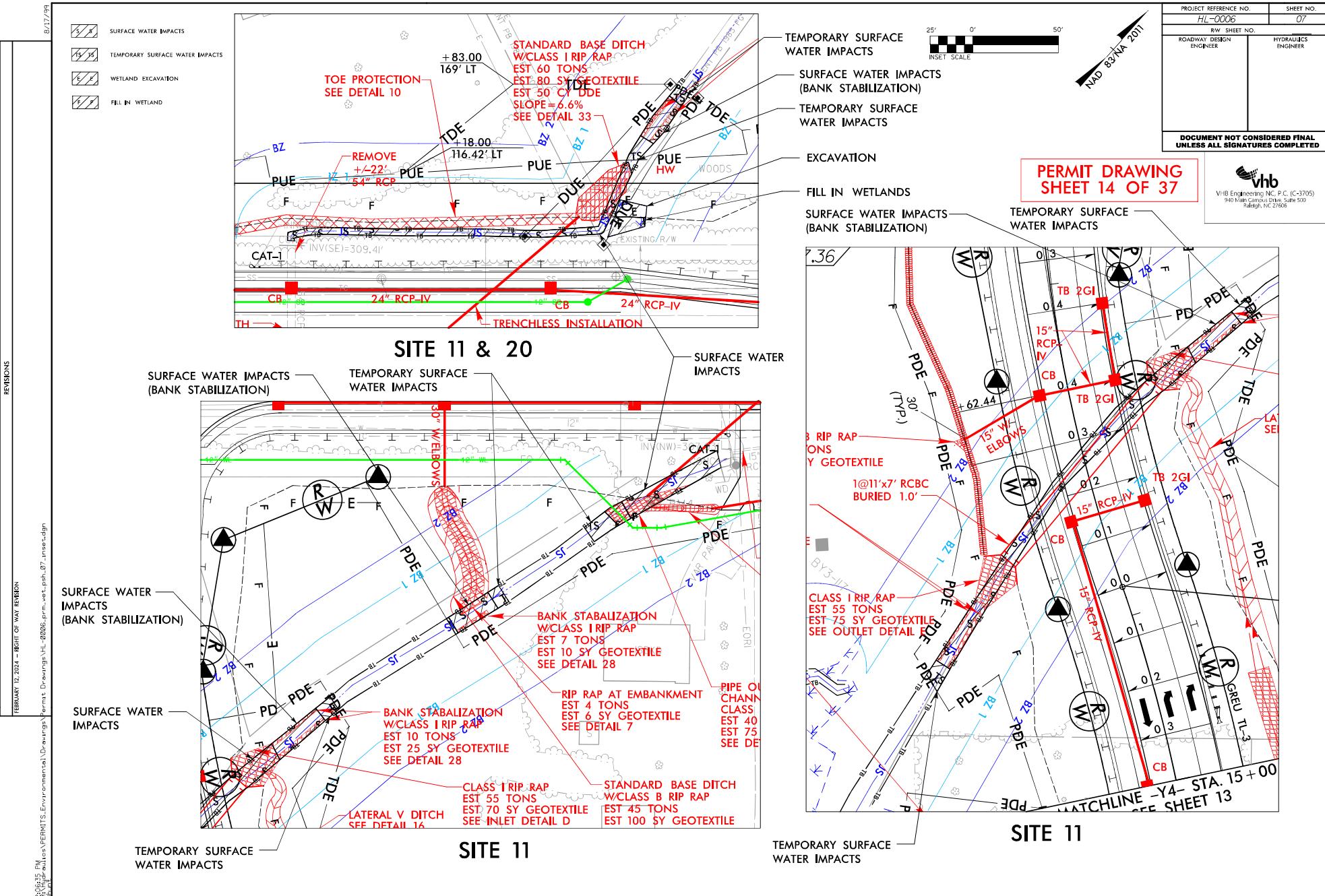
| PROJECT REFERENCE NO. | SHEET NO. |
|-------------------------|---------------------|
| HL-0006 | 07 |
| RW SHEET NO. | 07 |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

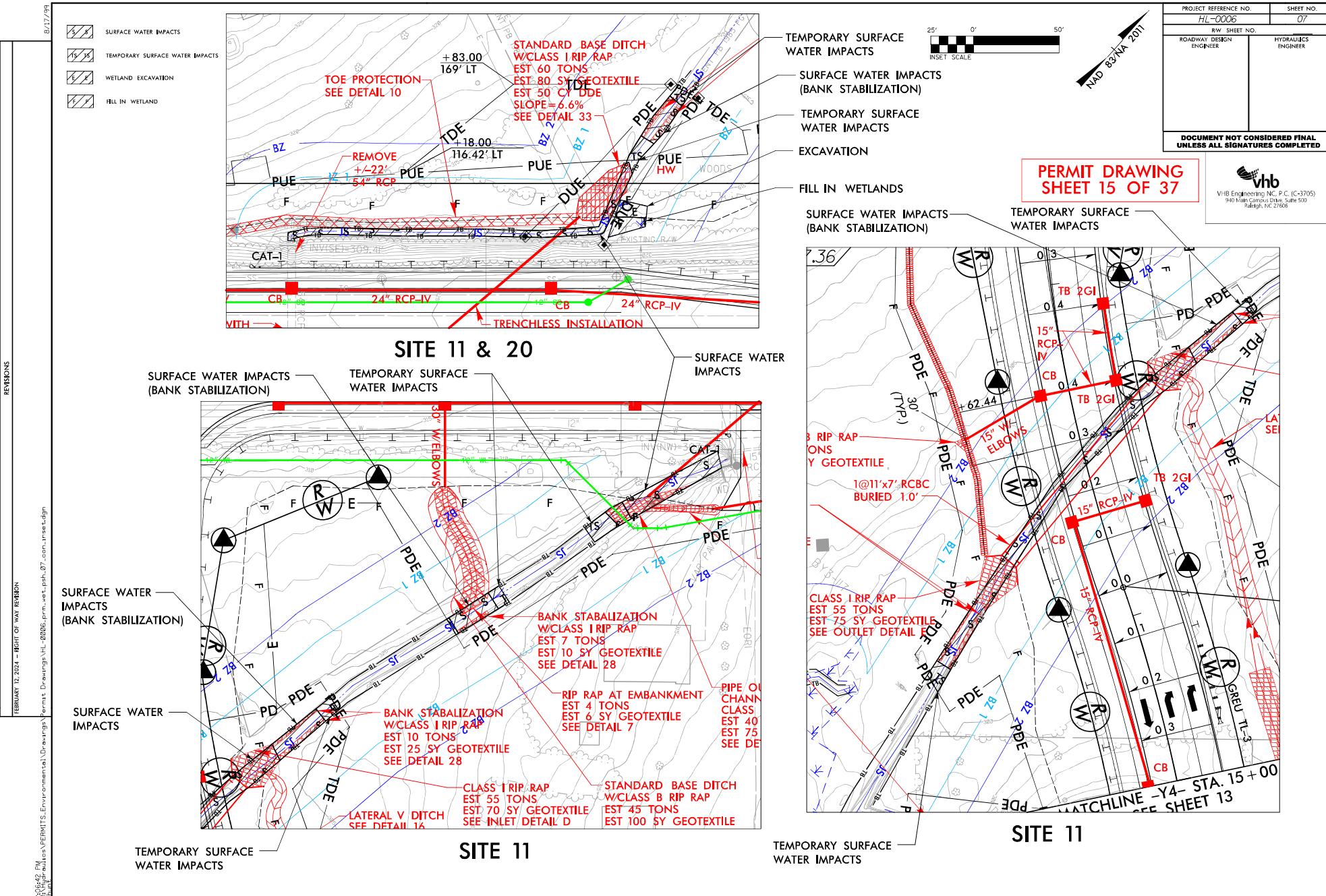
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

vhb
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940 Main Campus Drive, Suite 500
Raleigh, NC 27608

PERMIT DRAWING SHEET 13 OF 37

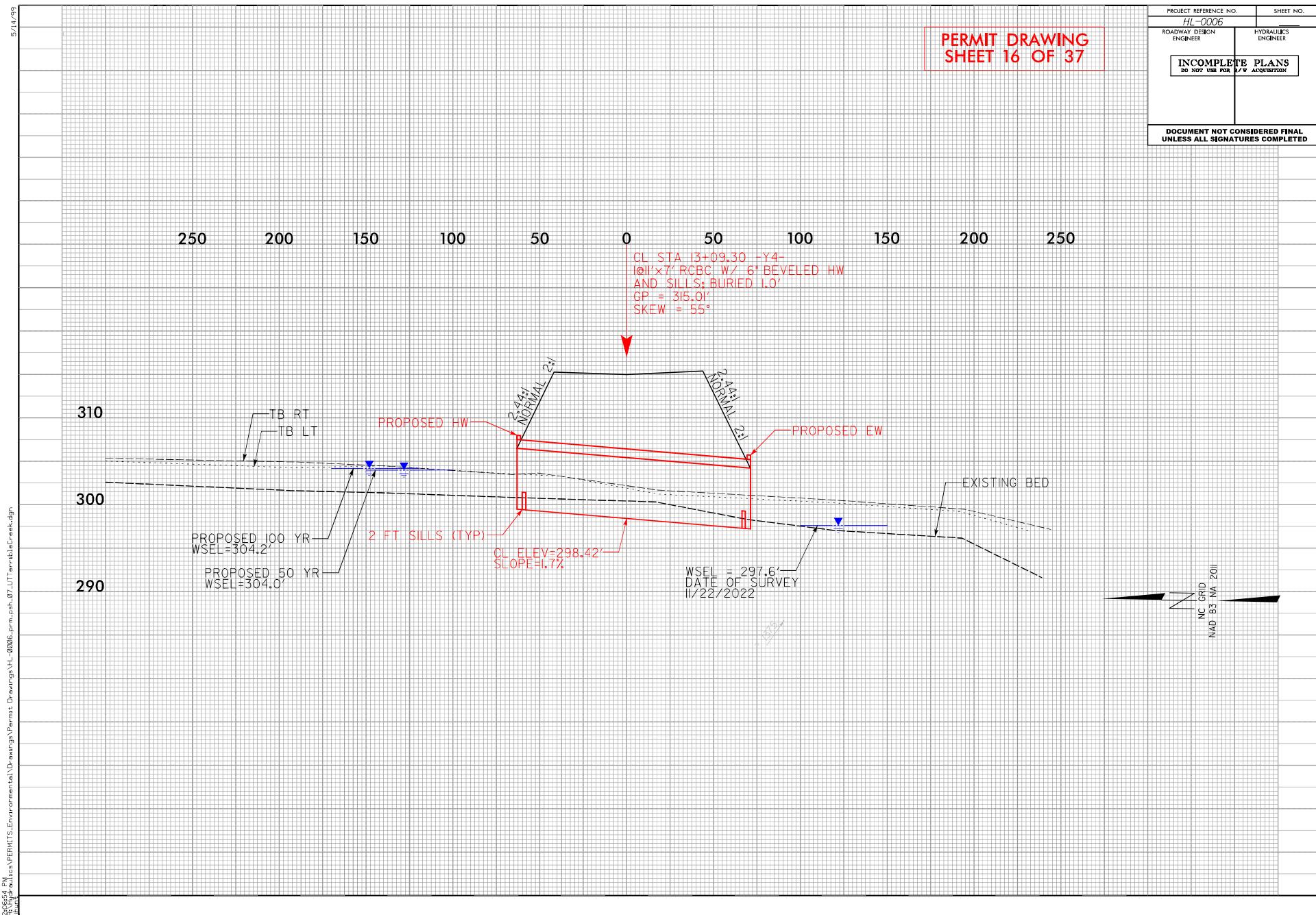






| PROJECT REFERENCE NO. | SHEET NO. |
|--|---------------------|
| HL-0006 | |
| ROADWAY DESIGN ENGINEER | |
| | HYDRAULICS ENGINEER |
| INCOMPLETE PLANS DO NOT USE FOR S/W ACQUISITION | |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | |

PERMIT DRAWING
SHEET 16 OF 37



PERMIT DRAWING SHEET 17 OF 37

8/17/98

PI Sta =
 △ = 0° 25' 40.3" (RT)
 D = 0° 06' 52.5"
 I = 37.338"
 T = 186.69'
 R = 50,000.00'
 SE = NC
 RO = SEE PLANS

DETAIL 27
SPECIAL V-DITCH
(Note: Scale)
 Natural Ground
 Geotextile
 Class B Sp-Rap, Keyway= 3"± 0.10 ft
 FROM STA. 70 + 19 TO STA. 78 + 00 ← RT
 Min. D = 1.5 ft

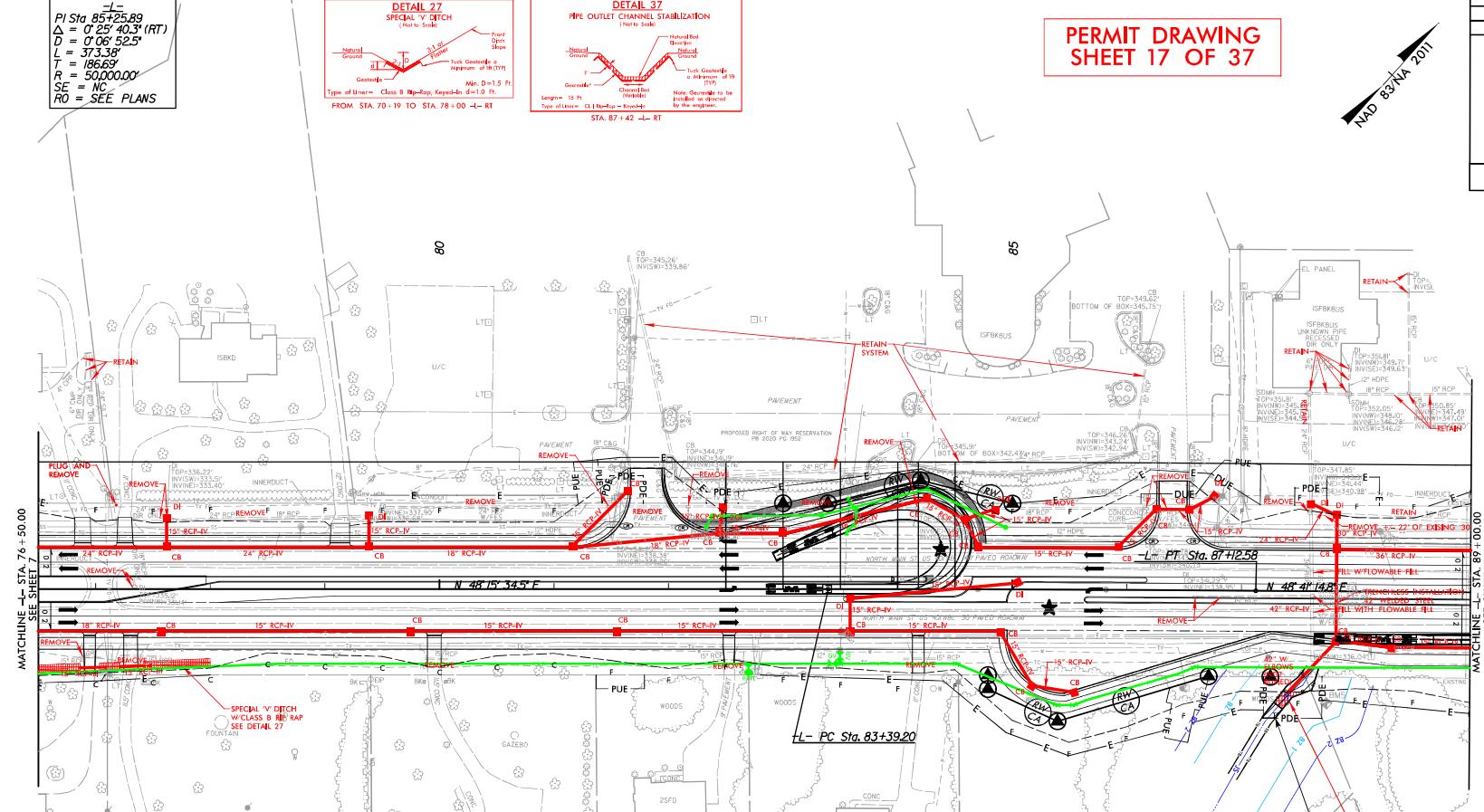
DETAIL 37
PIPE OUTLET CHANNEL STABILIZATION
(Note: Scale)
 Natural Bed
 Natural Bed
 Geotextile
 Length = 15 ft
 Type of Geotextile
 Channel Bed (Wear) Type of Geotextile
 Natural Geotextile to be installed as directed by the engineer
 STA. 87 + 42 → RT

| PROJECT REFERENCE NO. | | SHEET NO. |
|----------------------------|------------------------|--|
| HL-0006 | | 08 |
| RW SHEET NO. | | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER | |
| | | DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED |

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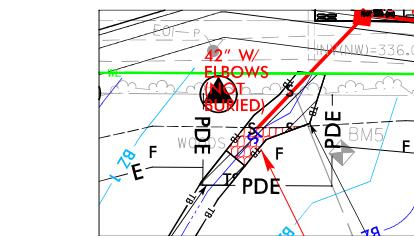
REVISIONS

NOVEMBER 20, 2003 - LIGHT OF DAY RENDERING
 JANUARY 2, 2004 - HIGH OF WATER RENDERING
 Permit Drawings HL-0006C-ppm-wet-lst-088.dwg
 2003 DPM (Permits Environmental Drawings)



MATCHLINE ← STA 76+50.00
 SEE SHEET 9

MATCHLINE ← STA 89+00.00



TEMPORARY
SURFACE WATER IMPACTS

SURFACE WATER IMPACTS

50'
0'
100'
GRAPHIC SCALE
25'
0'
50'
INSET SCALE

SURFACE WATER IMPACTS

TEMPORARY SURFACE WATER IMPACTS

★ PROPOSED SIGNAL

FOR ← L - PROFILE SEE SHEET 17 & 18

| | | |
|--|------------------------|-----------|
| PROJECT REFERENCE NO. | | SHEET NO. |
| HL-0006 | | 08 |
| RW SHEET NO. | | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER | |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | | |

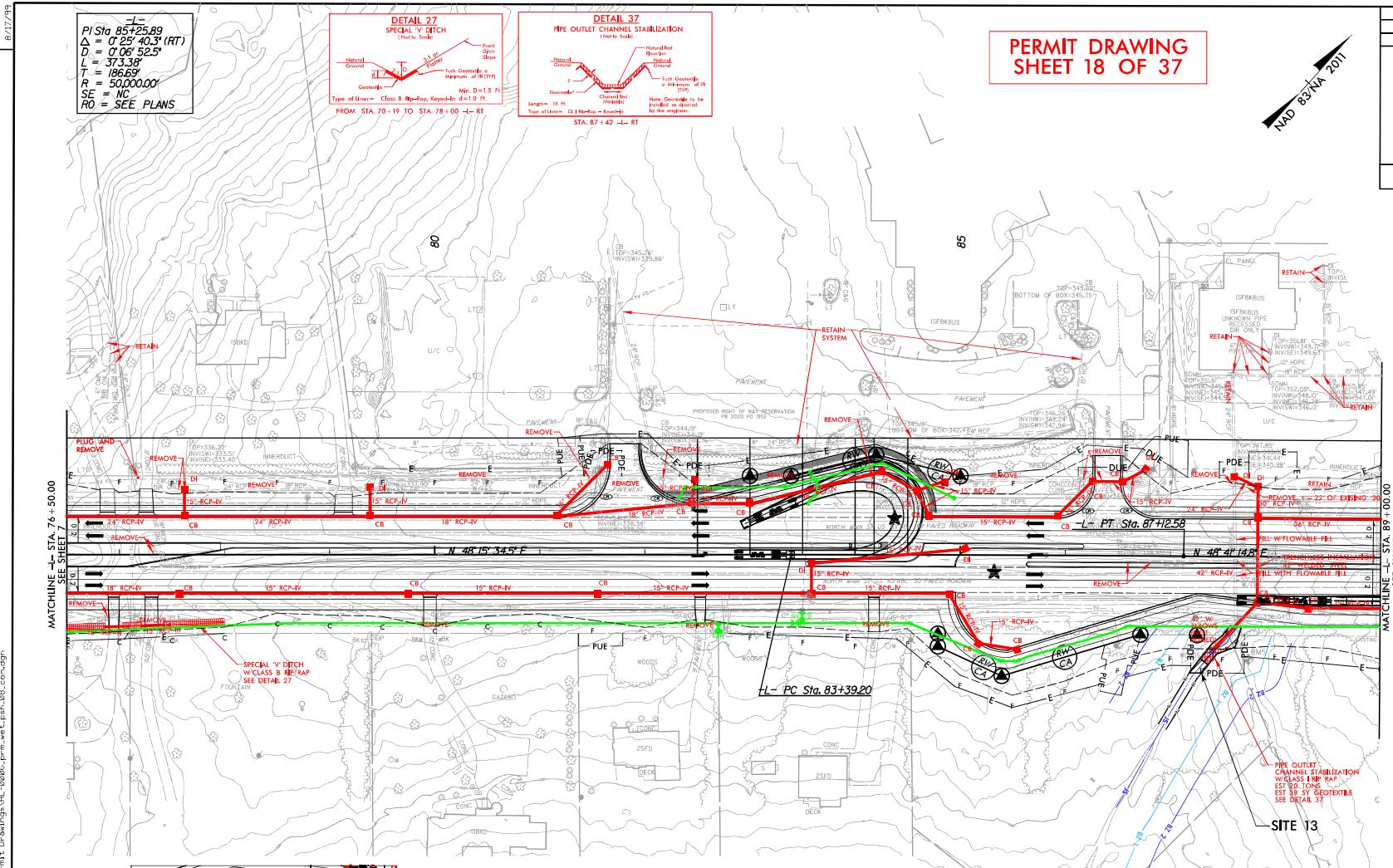
PERMIT DRAWING SHEET 18 OF 37

NAD 83/VA 2011

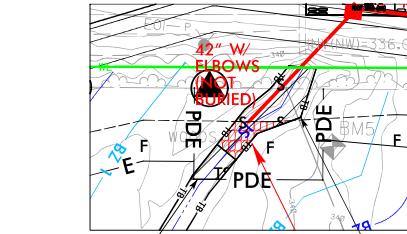
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REVISIONS

NOVEMBER 20, 2013 - LIGHT OF DAY RENDERING
JANUARY 23, 2014 - LIGHT OF DAY RENDERING
Permit Drawing HL-0006-ppm-wet-lsl-h88-condgn

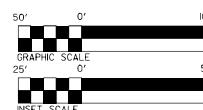


2013-10-24 PM
2013-10-24 PM PERMITS Environmental Drawings



TEMPORARY
SURFACE WATER IMPACTS

SURFACE WATER IMPACTS



SURFACE WATER IMPACTS

TEMPORARY SURFACE WATER IMPACTS

★ PROPOSED SIGNAL

FOR ♦-L- PROFILE SEE SHEET 17 & 18

FOR -L- PROFILE SEE SHEET 18

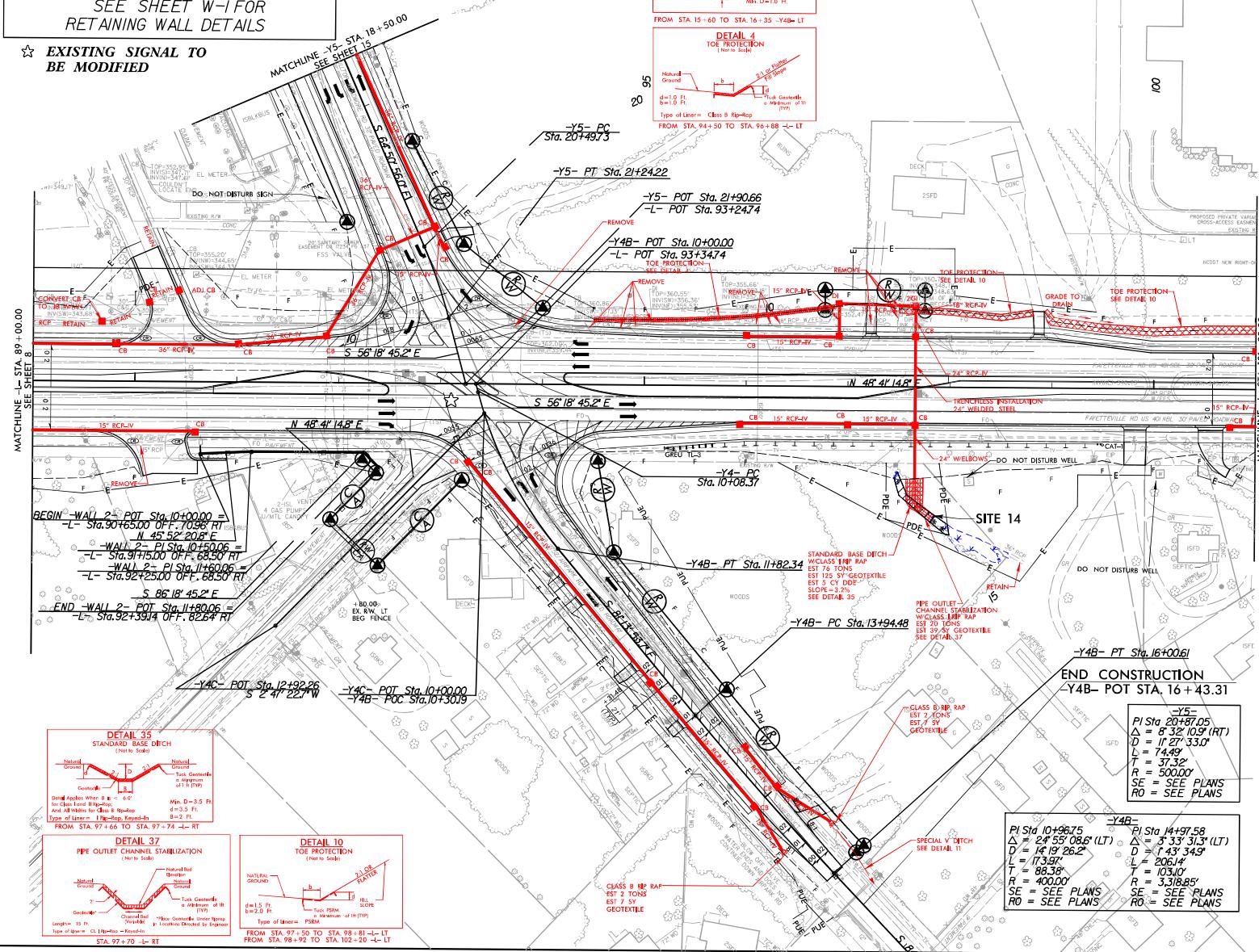
FOR -Y4B- PROFILE SEE SHEET 22

FOR -Y4C- PROFILE SEE SHEET 22

FOR -Y5- PROFILE SEE SHEET 23

SEE SHEET W-1 FOR
RETAINING WALL DETAILS

★ EXISTING SIGNAL TO
BE MODIFIED

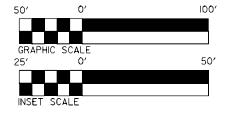


| PROJECT REFERENCE NO. | SHEET NO. |
|-------------------------|---------------------|
| HL-0006 | 09 |
| RW SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

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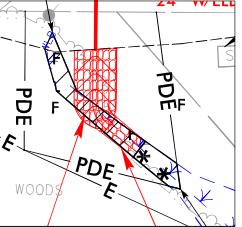
PERMIT DRAWING SHEET 19 OF 37



FILL IN WETLAND

MECHANIZED CLEARING (GRUBBING)

FILL IN WETLANDS

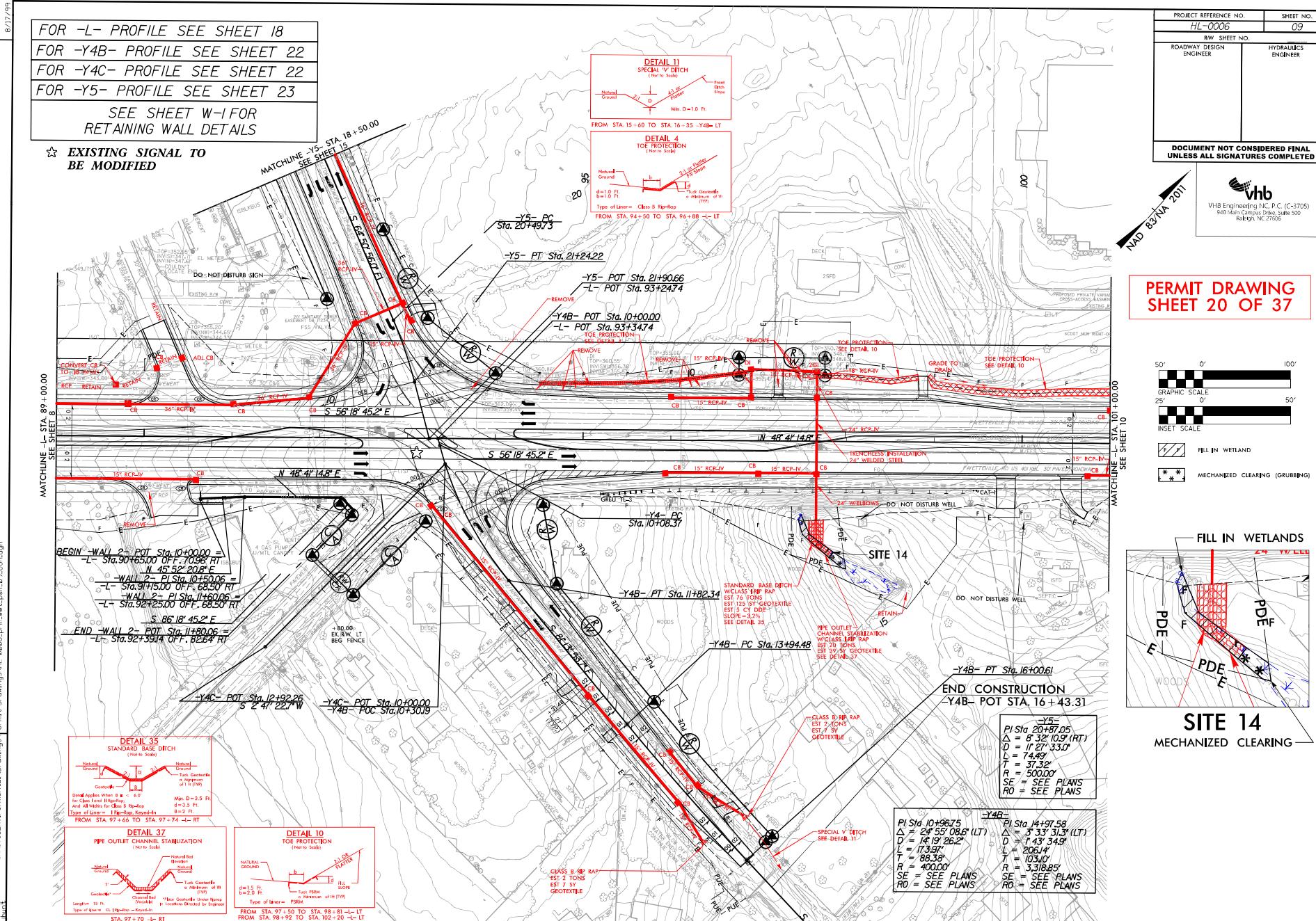


SITE 14 MECHANIZED CLEARING

Y5-
PI Sta 10+96.75
 $D = 8^{\circ}32'10.9'' (RT)$
 $L = 1^{\circ}27'33.0''$
 $T = 37.32'$
 $R = 500.00'$
SE = SEE PLANS
RO = SEE PLANS

Y4B-
PI Sta 14+97.58
 $D = 5^{\circ}33'31.3'' (LT)$
 $L = 1^{\circ}43'34.9''$
 $T = 206.4'$
 $R = 100.0'$
SE = SEE PLANS
RO = SEE PLANS

REVISIONS
CONSTRUCTION DRAWING NO. 20-002 - RIGHT OF WAY REVISION
MARCH 22, 2024 - RIGHT OF WAY REVISION
STENED BLOCS TO MSS. PARCEL 45 NO DISTURB NOTE ADDED
DO NOT DISTURB DO NOT DISTURB NOTE AT LOCATION
Engineering Drawings - Project No. HL-0006, PI No. 20-002-0000



**PERMIT DRAWING
SHEET 21 OF 37**

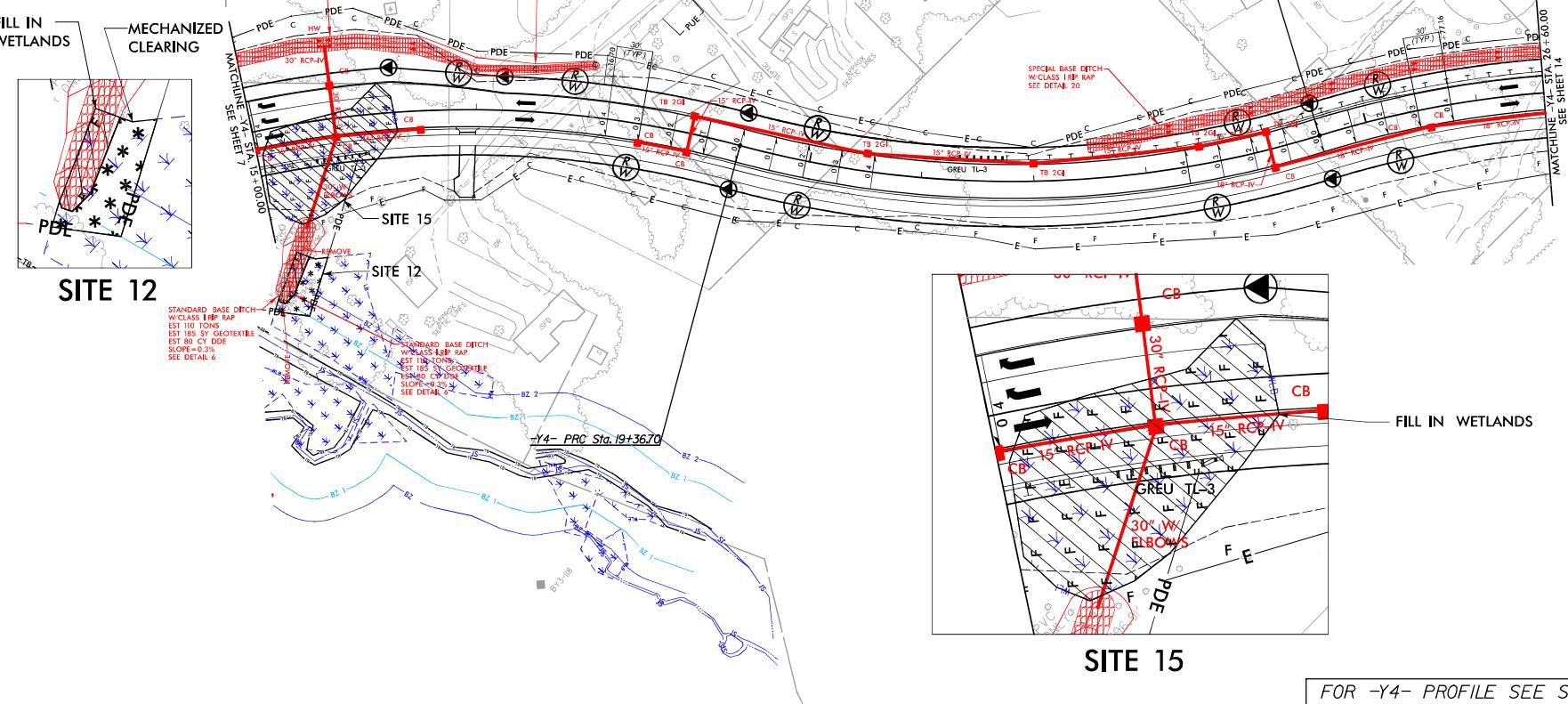
50' 0' 100'
 GRAPHIC SCALE 0' 50'
 25' 0' 50'
 INSET SCALE

FILL IN WETLAND
 MECHANIZED CLEARING (GRUBBING)

FILL IN WETLANDS
 MECHANIZED
 CLEARING

SITE 12

STANDARD BASE DITCH
 W-CLASS I MP RAP
 EST 185 CY DDE
 EST 185 ST GEOTEXTILE
 SLOP -0.33
 SEE DETAIL 6



SITE 15

FOR -Y4- PROFILE SEE SHEET 21

| | | |
|----------------------------|------------------------|-----------|
| PROJECT REFERENCE NO. | | SHEET NO. |
| HL-0006 | | 13 |
| RW SHEET NO. | | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER | |

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NAD 83/NA 2011

SEE SHEET 14

**PERMIT DRAWING
SHEET 22 OF 37**

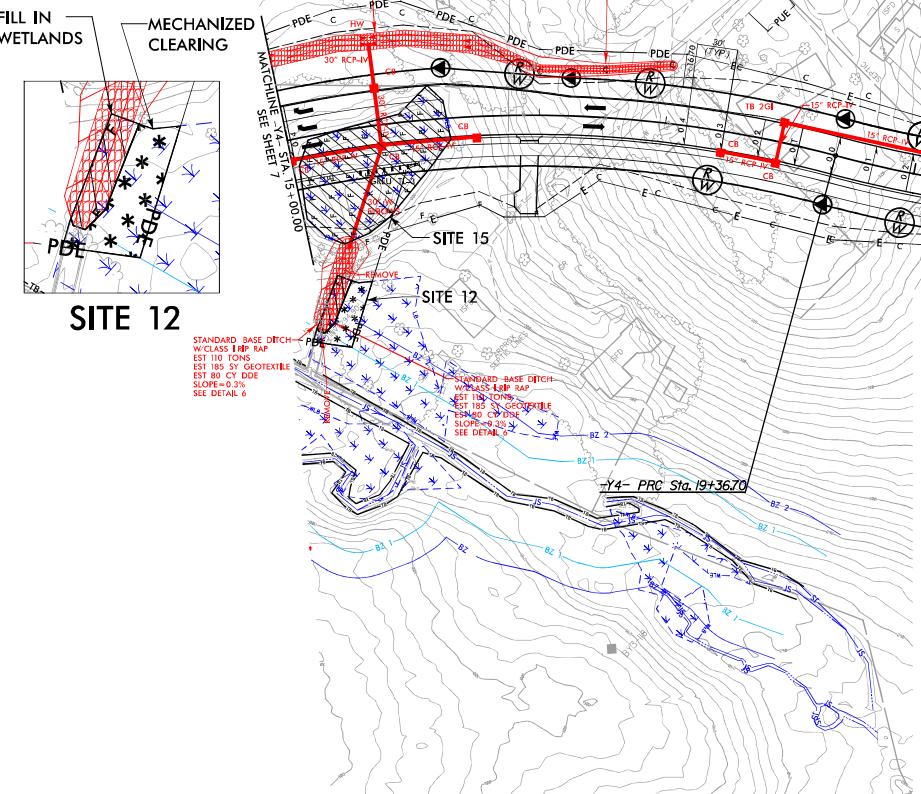
50' 0' 100'
 GRAPHIC SCALE 0' 50'
 INSET SCALE

FILL IN WETLAND
 MECHANIZED CLEARING (GRUBBING)

FILL IN WETLANDS
 MECHANIZED
 CLEARING

SITE 12

STANDARD BASE DITCH
 W-CLASS 1#P RAP
 EST 185 ST GEOTEXTILE
 EST 185 ST DDE
 SLOPE=0.33
 SEE DETAIL 6

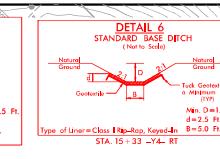
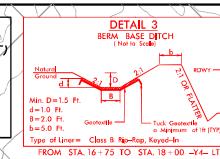


REVISIONS

JANUARY 26, 2024 – RIGHT OF WAY REVISION

2023-12-31\H\177-99\PERMITS\Environment\1\Drawings\Permit Drawings\HL-2026-PRC-wet-lsh-13.dwg.dgn

| | | |
|---------------------------------------|------|---------------------------------------|
| PI Sta 16+68.07 | -Y4- | PI Sta 22+03.94 |
| $\Delta = 34^{\circ} 08' 49.4''$ (RT) | | $\Delta = 32^{\circ} 03' 53.2''$ (LT) |
| $D = 6' 09' 39.0''$ | | $D = 6' 09' 39.0''$ |
| $L = 554.26'$ | | $L = 520.46'$ |
| $T = 285.64'$ | | $T = 267.24'$ |
| $R = 930.00'$ | | $R = 930.00'$ |
| $SE = .04$ | | $SE = .04$ |
| $RO = \text{SEE PLANS}$ | | $RO = \text{SEE PLANS}$ |

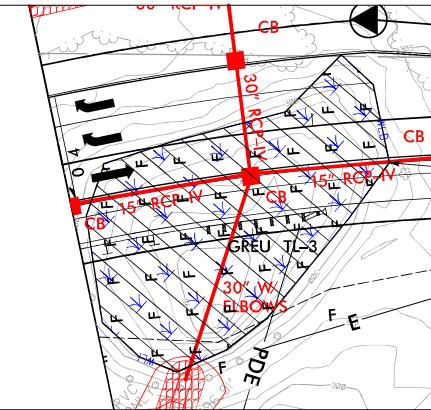
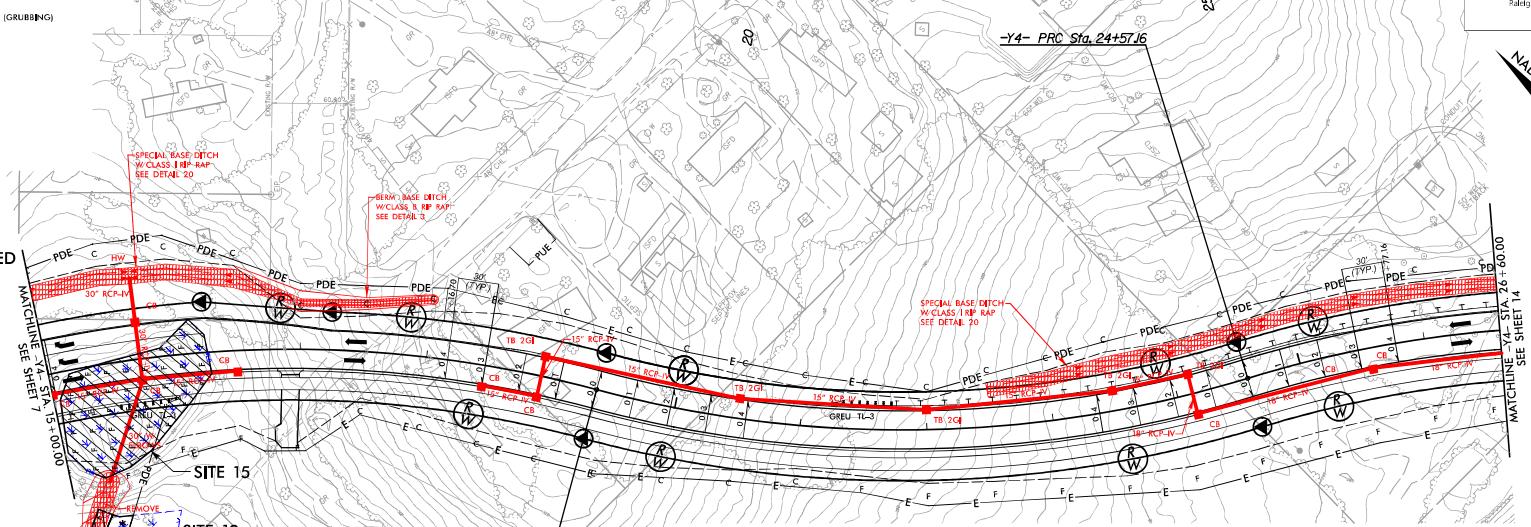


| PROJECT REFERENCE NO. | HEET NO. |
|-------------------------|---------------------|
| HL-0006 | 13 |
| RW SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

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NAD 83/NA 2011

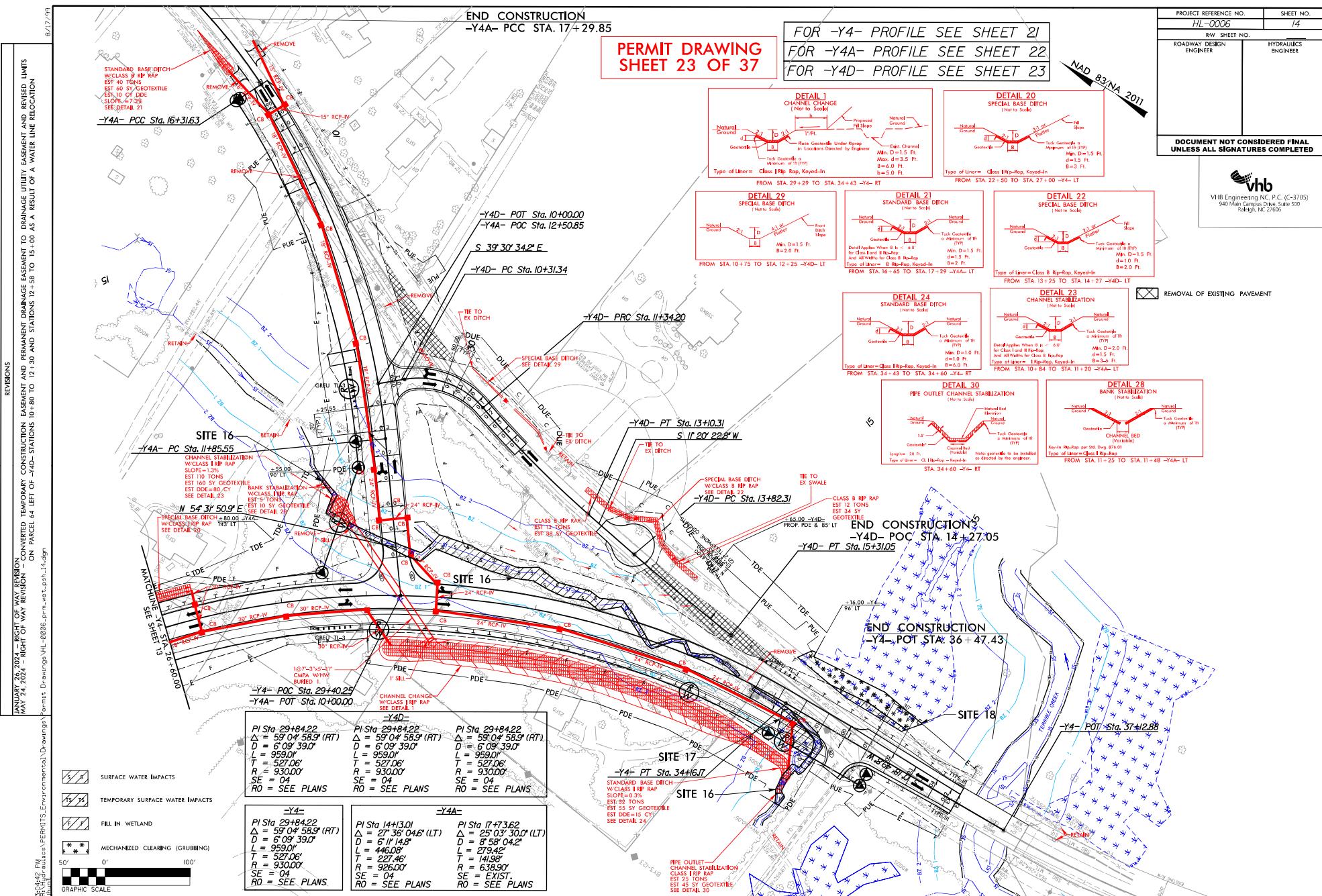


SITE 15

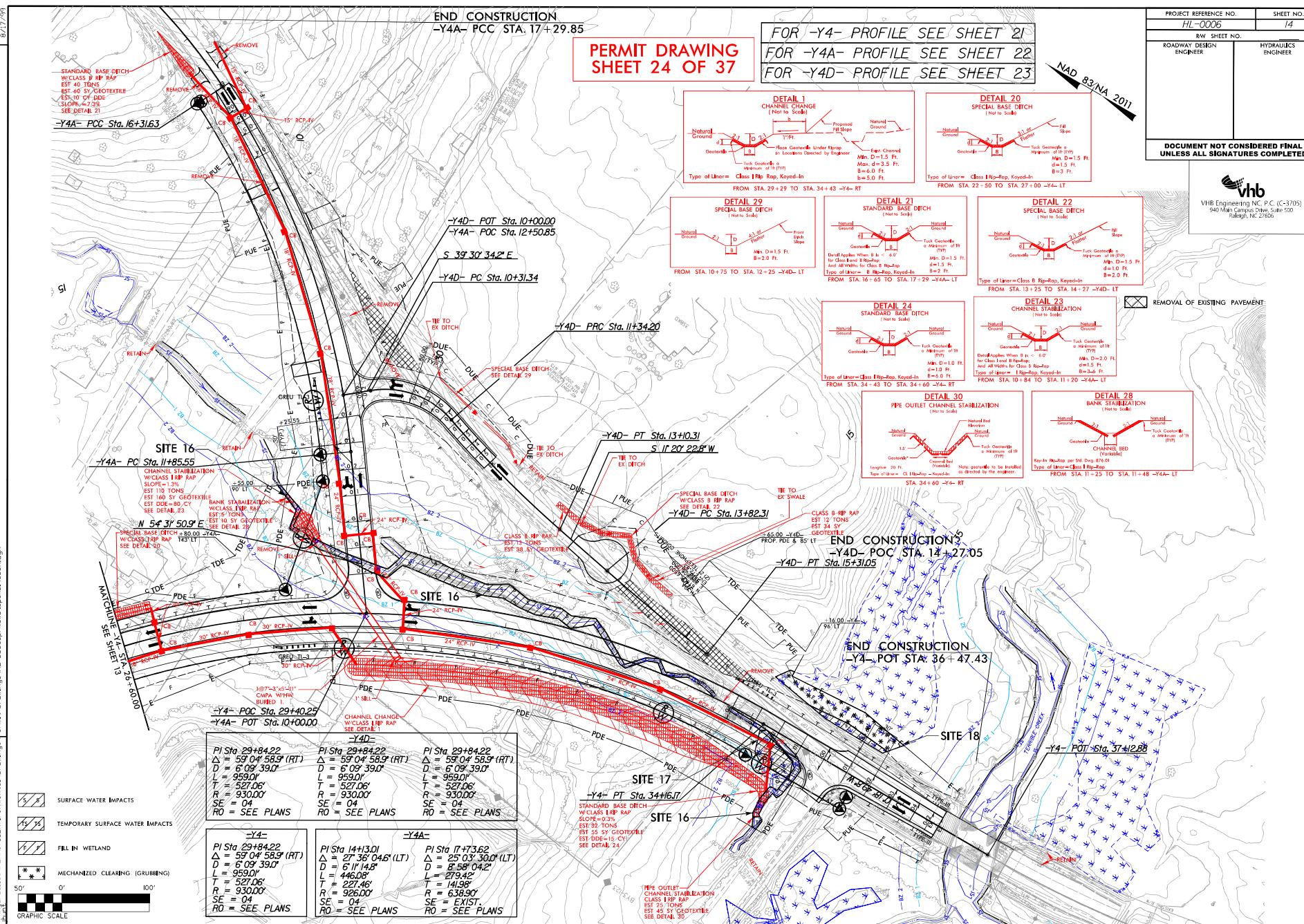
FOR -Y4- PROFILE SEE SHEET 21

JANUARY 26, 2022 - RIGHT OF WAY REVISIONS CONVERTED TEMPORARY CONSTRUCTION EASEMENT TO PERMANENT DRAINAGE EASEMENT ON PARCEL 64 (LEFT OF -Y4D- STATIONS 10+80 TO 12+30 AND STATIONS 12+58 TO 15+00 AS A RESULT OF A WATER LINE RELOCATION
 MAY 24, 2022 - RIGHT OF WAY REVISIONS (Permit Drawings) \HL\202005_perm-wet-lst-14.dwg

REVISIONS



REVISIONS
JANUARY 26, 2021 - RIGHT OF WAY REVISIONS CONVERTED TEMPORARY CONSTRUCTION EASEMENT TO PERMANENT DRAINAGE EASEMENT ON PARCEL 64 (LEFT OF -Y4D- STATIONS 10-80 TO 12-30 AND STATIONS 12-58 TO 15-00 AS A RESULT OF A WATER LINE RELOCATION
MAY 24, 2021 - RIGHT OF WAY REVISIONS
Permit Drawings \HL\2020\PC\perm-wet\sheet14\construction\Permit Drawings\Environmental\Drawings\



PROJECT REFERENCE NO.
HL-0006
SHEET NO.
14
RW SHEET NO.
ROADWAY DESIGN
ENGINEER
HYDRAULICS
ENGINEER

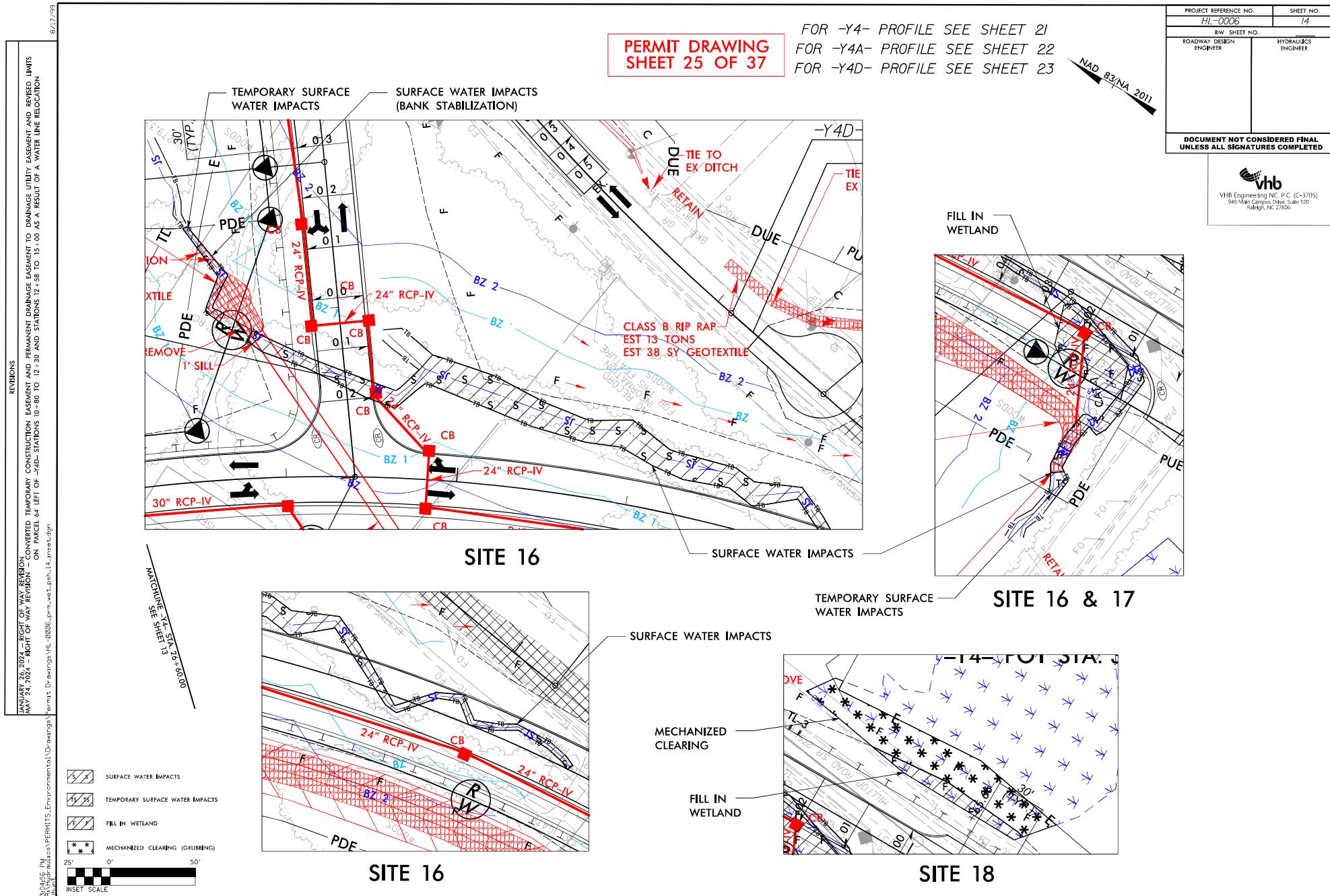
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**PERMIT DRAWING
SHEET 25 OF 37**

FOR -Y4- PROFILE SEE SHEET 21
FOR -Y4A- PROFILE SEE SHEET 22
FOR -Y4D- PROFILE SEE SHEET 23

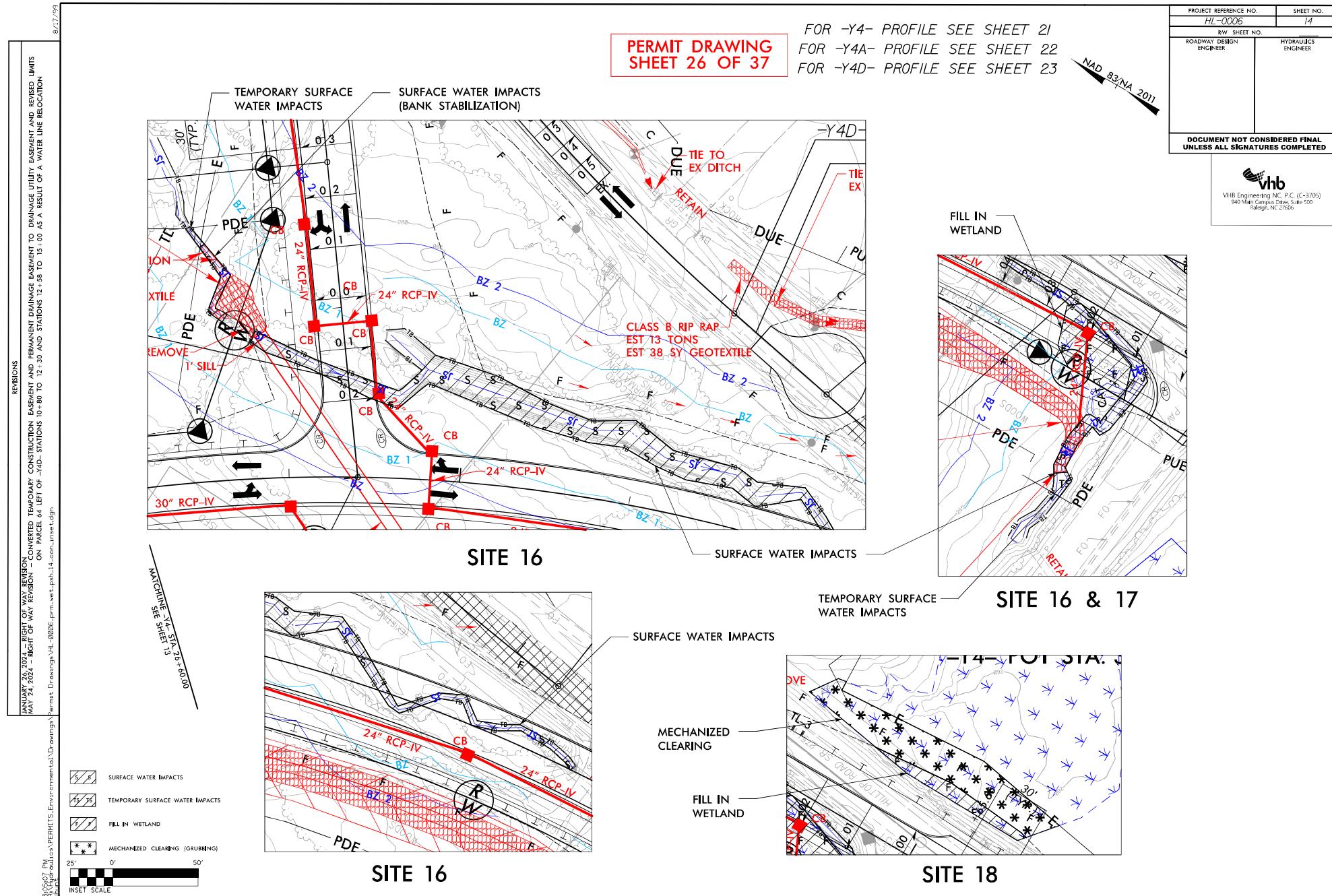
NAD 83 / NA 2011



| | |
|----------------------------|------------------------|
| PROJECT REFERENCE NO. | SHEET NO. |
| HL-0006 | 14 |
| RW SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

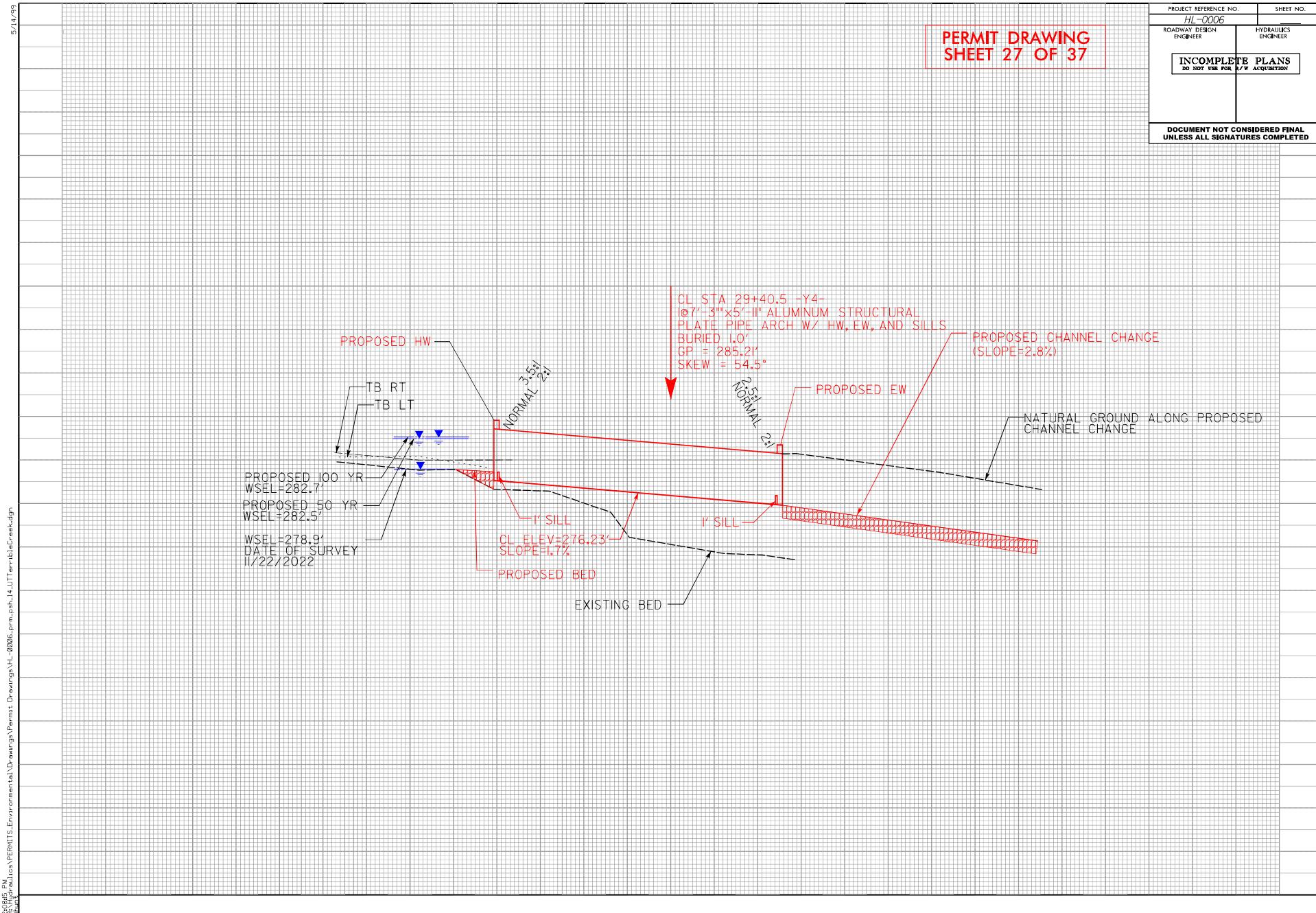
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| | |
|--|------------------------|
| PROJECT REFERENCE NO. | SHEET NO. |
| HL-0006 | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |
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| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | |

PERMIT DRAWING
SHEET 27 OF 37



300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

**PERMIT DRAWING
SHEET 28 OF 37**

340

320

300

280

260

340

320

300

280

260

340

320

300

280

260

340

320

300

280

260

340

320

300

280

260

340

320

300

280

260

38+50.00

38+00.00

SITE 3

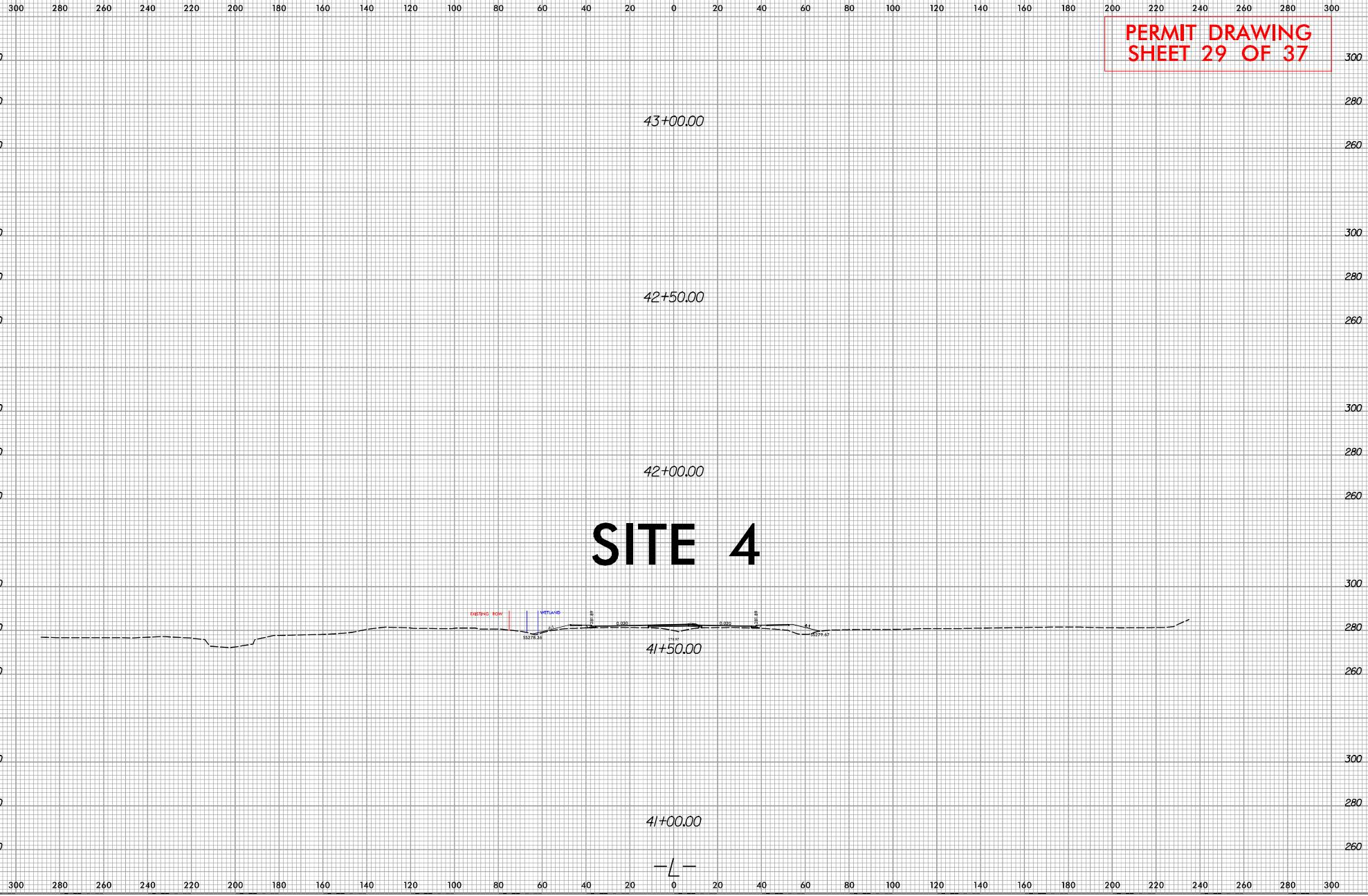
WETLAND BOUNDARY EXTENDS
OUTSIDE OF CROSS-SECTION

PROPOSED EASEMENT WETLAND

37+50.00

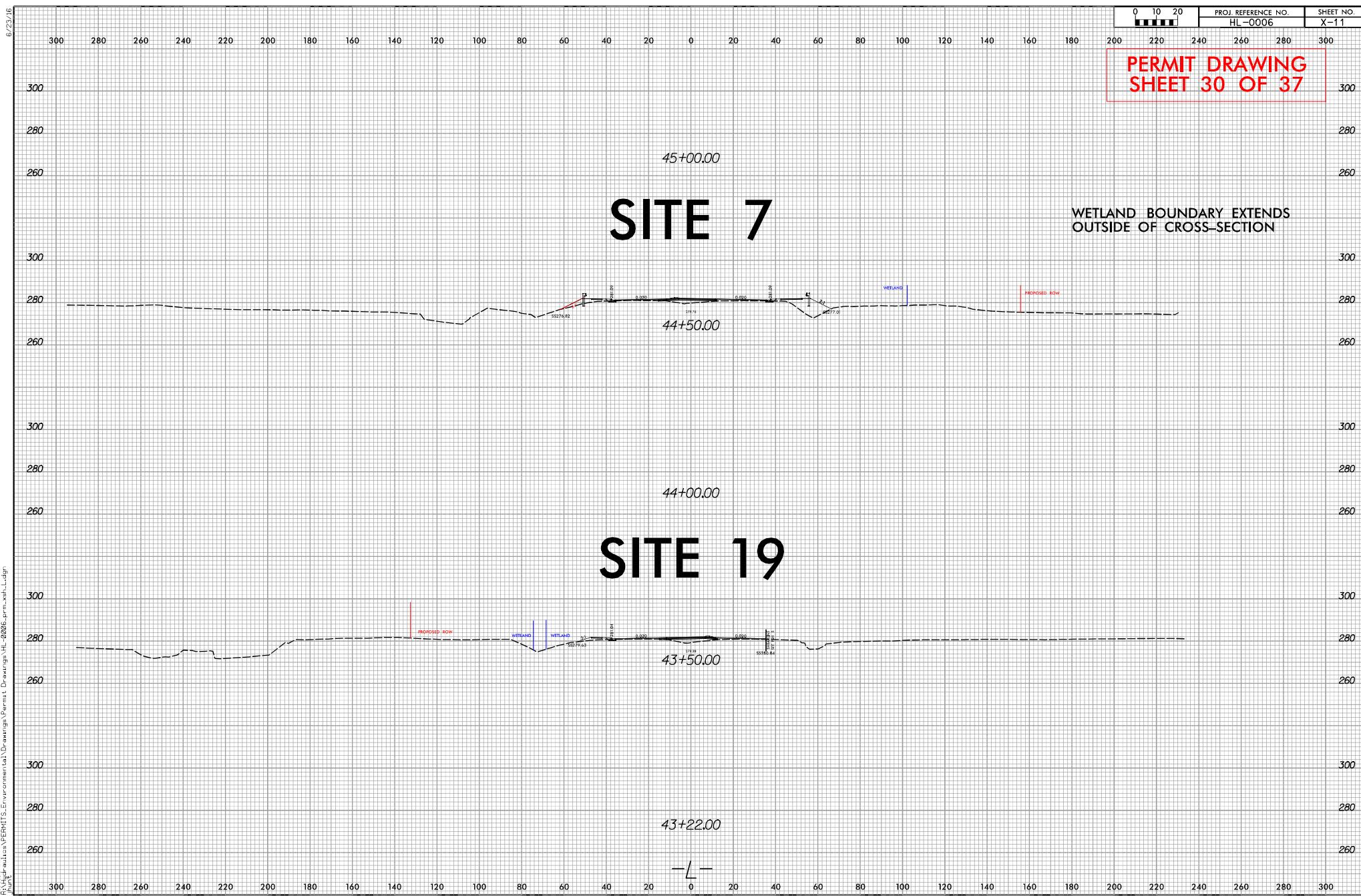


300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

PROJ. REFERENCE NO.
HL-0006SHEET NO.
X-10

6/23/16

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0 10 20

PROJ. REFERENCE NO.
HL-0006

SHEET NO.
X-12

6/23/16

300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

**PERMIT DRAWING
SHEET 31 OF 37**

300

47+21.00

47+00.00

SITE 8

WETLAND BOUNDARY EXTENDS
OUTSIDE OF CROSS-SECTION

46+50.00

46+00.00

45+50.00

300

280

260

300

280

260

300

280

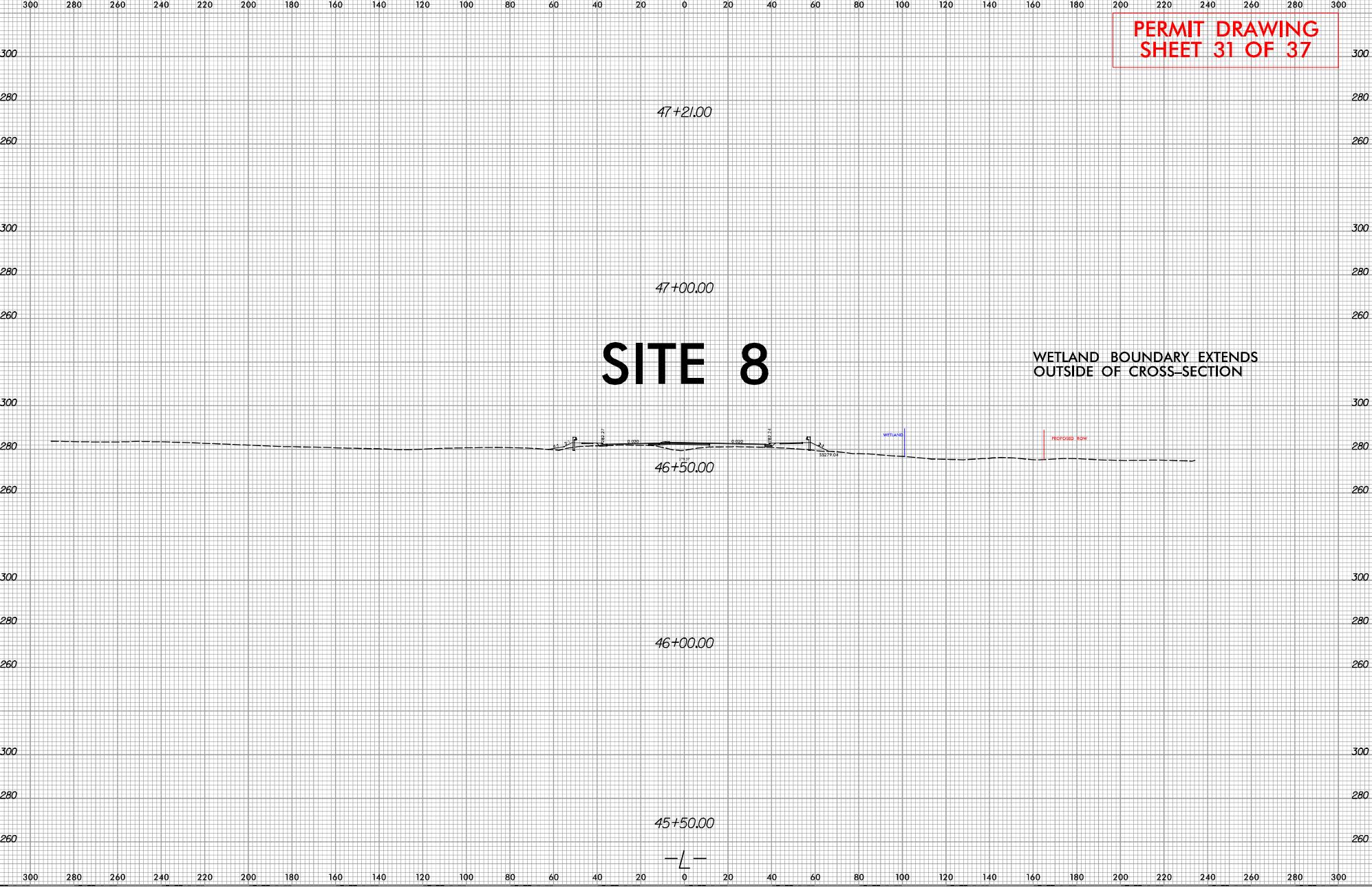
260

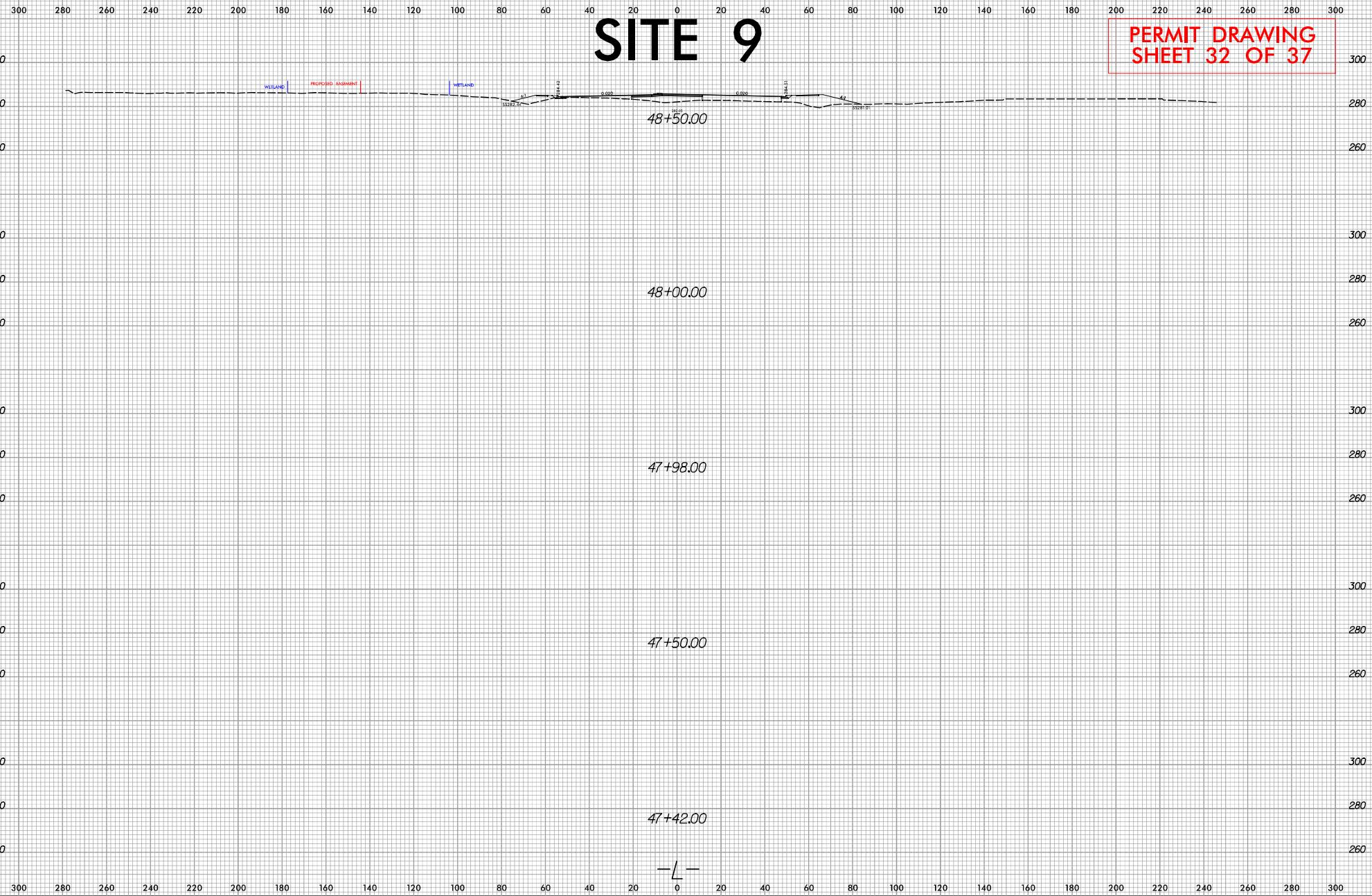
300

280

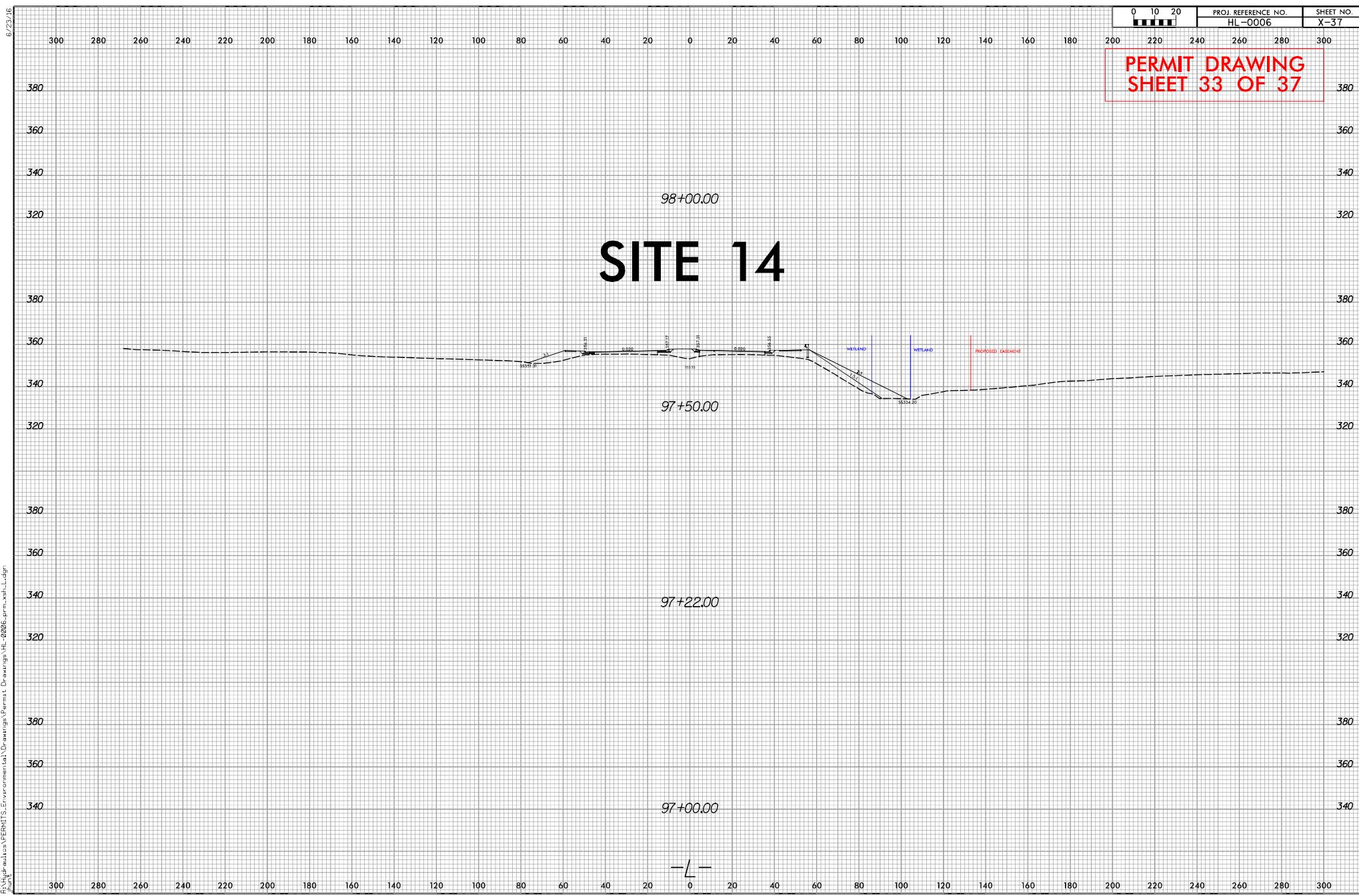
260

300





**PERMIT DRAWING
SHEET 32 OF 37**



320

310

300

290

320

310

300

290

320

310

300

290

330

320

310

300

290

320

310

300

290

320

310

300

290

320

310

300

290

330

320

310

300

290

15 + 50.00

SITE 12

WETLAND BOUNDARY EXTENDS
OUTSIDE OF CROSS-SECTION

WETLAND

303.36 SS305.12

312.78

3.1

3.1

3.1

3.1

3.1

3.1

3.1

3.1

3.1

3.1

3.1

3.1

3.1

3.1

3.1

3.1

3.1

3.1

3.1

3.1

3.1

3.1

3.1

3.1

3.1

3.1

3.1

3.1

3.1

3.1

15 + 00.00

14 + 50.00

14 + 00.00

-Y4-

320

310

300

290

320

310

300

290

320

310

300

290

320

310

300

290

17 + 00.00

16 + 92.00

16 + 50.00

SITE 15

PROPOSED ROW

WETLAND

WETLAND

PROPOSED EASEMENT



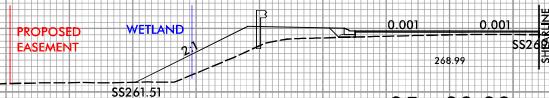
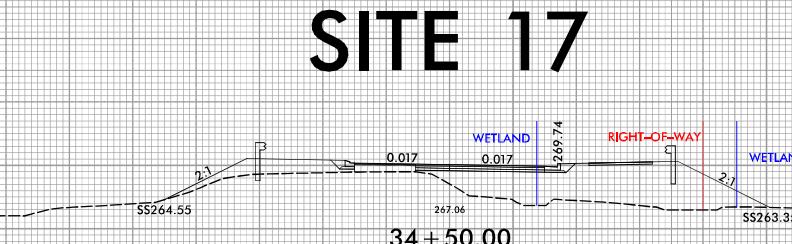
**PERMIT DRAWING
SHEET 36 OF 37**

36 + 00.00

35 + 50.00

SITE 18

WETLAND BOUNDARY EXTENDS
OUTSIDE OF CROSS-SECTION

**SITE 17**

-Y4-

