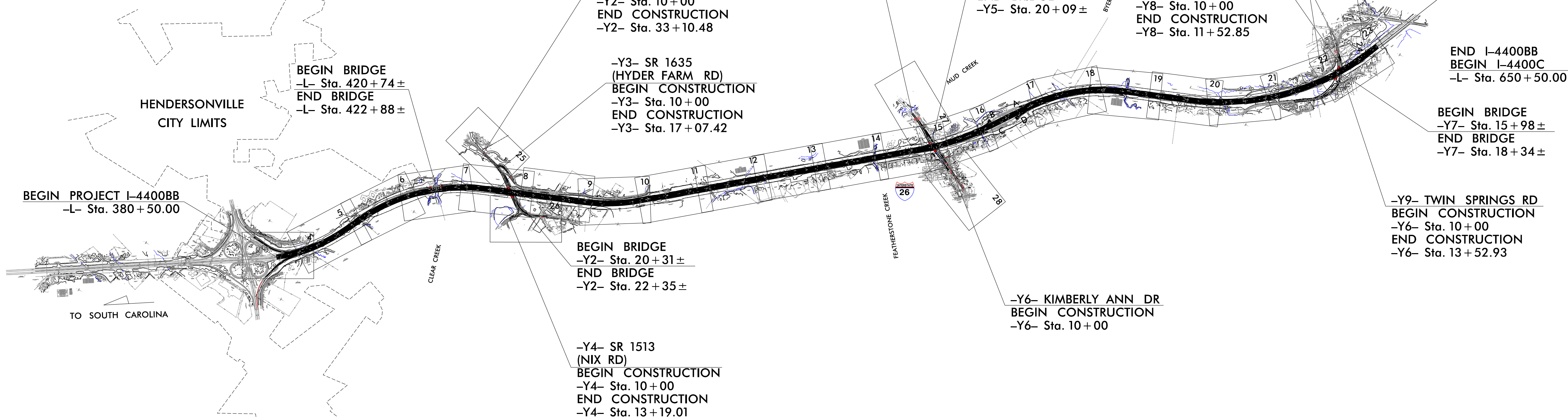
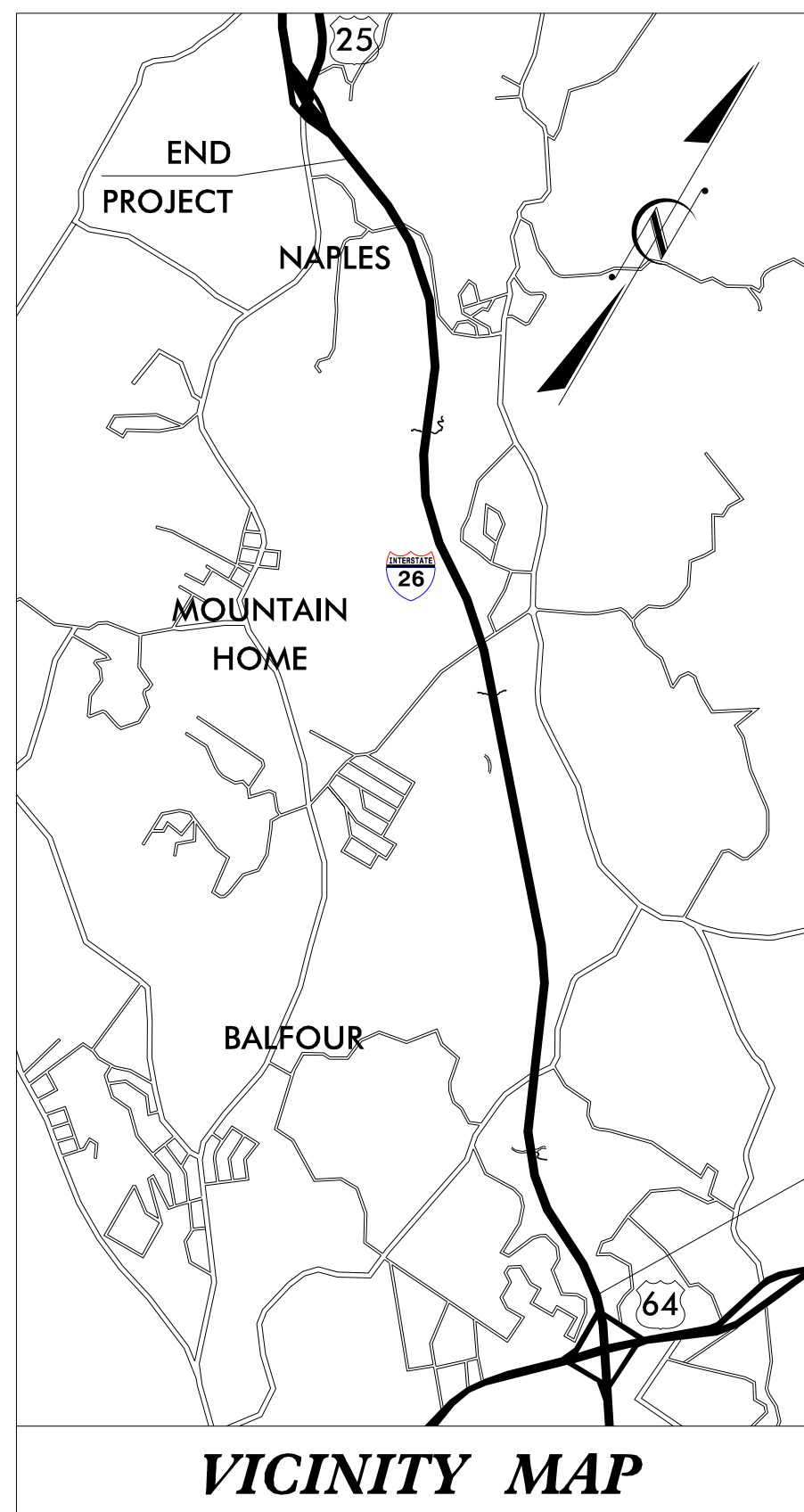
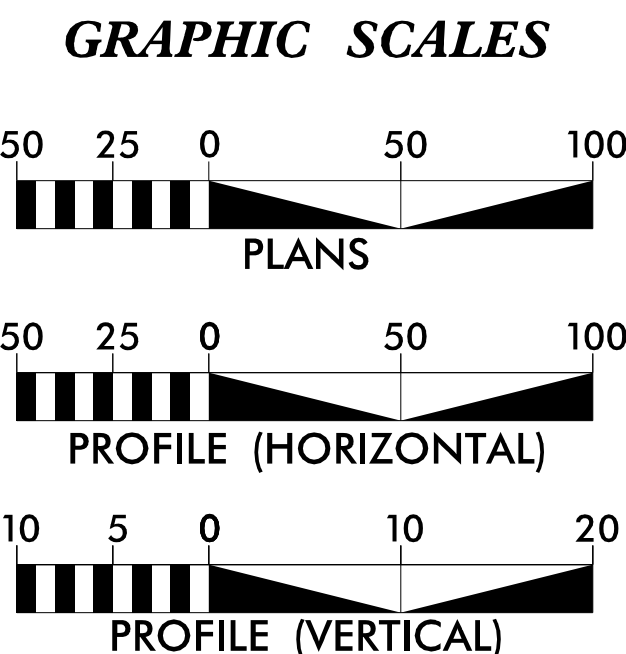


TIP PROJECT: I-4400BB

CONTRACT:



NOTE:
1. CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD II.
2. THIS PROJECT IS PARTIALLY WITHIN THE MUNICIPAL BOUNDARIES OF THE CITY OF HENDERSONVILLE.
3. THIS IS A CONTROLLED- ACCESS PROJECT WITH ACCESS BEING LIMITED TO INTERCHANGES.

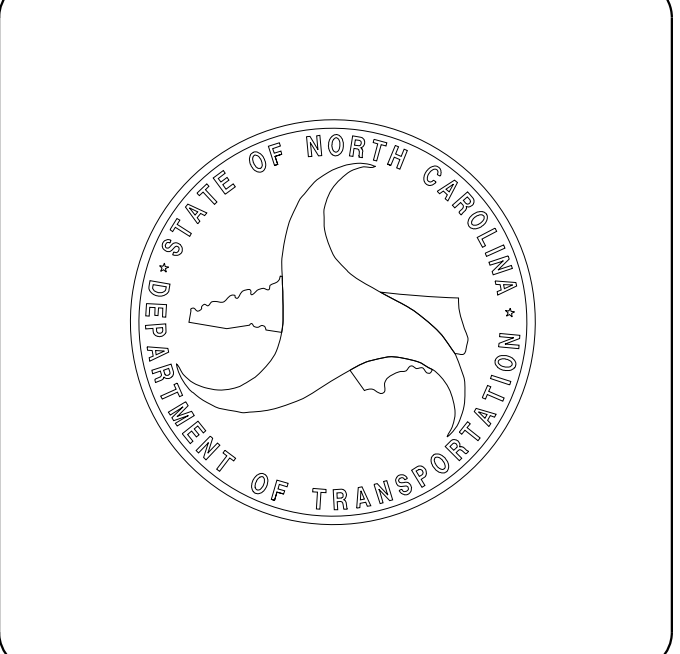


DESIGN DATA
ADT 2019 = 63,900
ADT 2040 = 91,000
K = 10%
D = 55%
T = 15% *
V = 70 MPH
* TTST = 11% DUAL 4%
FUNC CLASS = INTERSTATE
STATEWIDE TIER

PROJECT LENGTH
TOTAL LENGTH OF ROADWAY TIP PROJECT
I-4400BB = 5.073 MI
TOTAL LENGTH OF STRUCTURES OF TIP PROJECT
I-4400BB = 0.041 MI
TOTAL LENGTH OF TIP PROJECT
I-4400BB = 5.114 MI
NOTE: LENGTHS WERE CALCULATED USING THE WBL ALIGNMENT

Prepared in the Office of:
HNTB
HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609
NC License No: C-1554
2018 STANDARD SPECIFICATIONS
RIGHT OF WAY DATE:
November 2018
LETTING DATE:
June 18, 2019
JOSEPH OLSON, P.E.
PROJECT ENGINEER
JEFF HESS, P.E.
PROJECT DESIGN ENGINEER
WANDA AUSTIN, P.E.
NCDOT CONTACT

HYDRAULICS ENGINEER
SIGNATURE: _____ P.E.
ROADWAY DESIGN ENGINEER
SIGNATURE: _____ P.E.



STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

HENDERSON COUNTY

LOCATION: I-26 FROM 0.05MI NORTH OF US 64
TO 0.5MI SOUTH OF US 25 (ASHEVILLE HIGHWAY)

TYPE OF WORK: DRAINAGE, PAVING, GRADING, STRUCTURES

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-4400BB	1	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
34232.1.6	NHP-0026(015)	I-4400BB (P.E.)	
34232.2.10	NHP-0026(015)	I-4400BB (RW/UTIL)	
34232.3.8	NHP-0026(015)	I-4400BB (CONST.)	

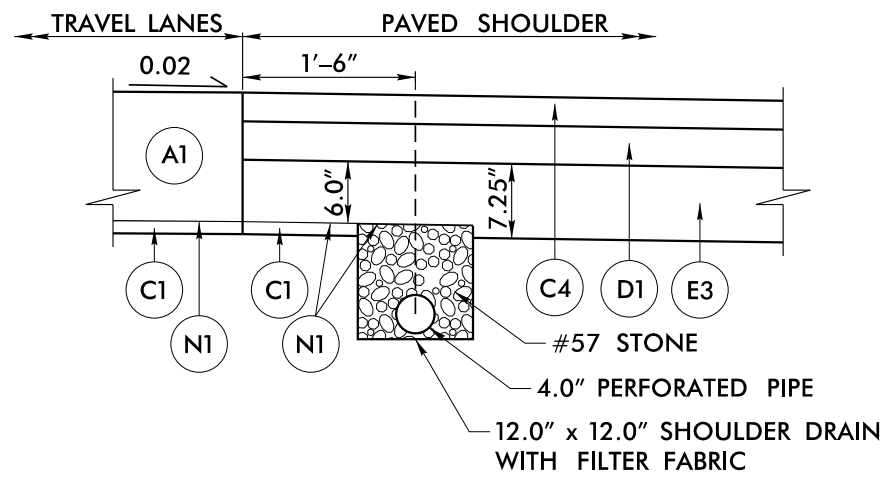
CP4B HYDRO CONCEPT PLANS
January 9, 2019

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 \$\$\$SCALE\$\$\$
 \$\$ENVIRONMENT\$\$

REVISIONS

FINAL PAVEMENT SCHEDULE	
A1	13.0" PORTLAND CEMENT CONCRETE PAVEMENT
C1	PROP. APPROX. 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 137.5 LBS PER SQ. YD.
C3	PROP. APPROX. 3.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS, PER SQ. YD. IN EACH OF TWO LAYERS
C4	PROP. APPROX. 3.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS, PER SQ. YD. IN EACH OF TWO LAYERS
D1	PROP. APPROX. 2.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C AT AN AVERAGE RATE OF 285 LBS, PER SQ. YD.
D2	PROP. APPROX. 4.0" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS, PER SQ. YD.
D3	PROP. APPROX. 3.0" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 342 LBS, PER SQ. YD.
E1	PROP. APPROX. 4.0" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS, PER SQ. YD.
E2	PROP. APPROX. 5.0" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 513 LBS, PER SQ. YD.
E3	PROP. APPROX. 5.5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 413.25 LBS, PER SQ. YD.
E4	PROP. APPROX. 7.25" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 399 LBS, PER SQ. YD. IN EACH OF TWO LAYERS.
J	PROP. 6" AGGREGATE BASE COURSE
K	12" AGGREGATE SUBGRADE, TYPE 1
N	NONWOVEN GEOTEXTILE INTERLAYER FOR PAVEMENT STABILIZATION
R1	SHOULDER BERM GUTTER
R2	DOUBLE FACED CONCRETE BARRIER
R3	SINGLE FACED CONCRETE BARRIER
R4	SINGLE FACED CONCRETE BARRIER WITH MOMENT SLAB
R5	EXPRESSWAY GUTTER
S	5" CONCRETE SIDEWALK
T	EARTH MATERIAL
U	EXISTING PAVEMENT
V	MILLING, 1.5" TO 3" DEPTH
W	VARIABLE DEPTH ASPHALT PAVEMENT

PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.



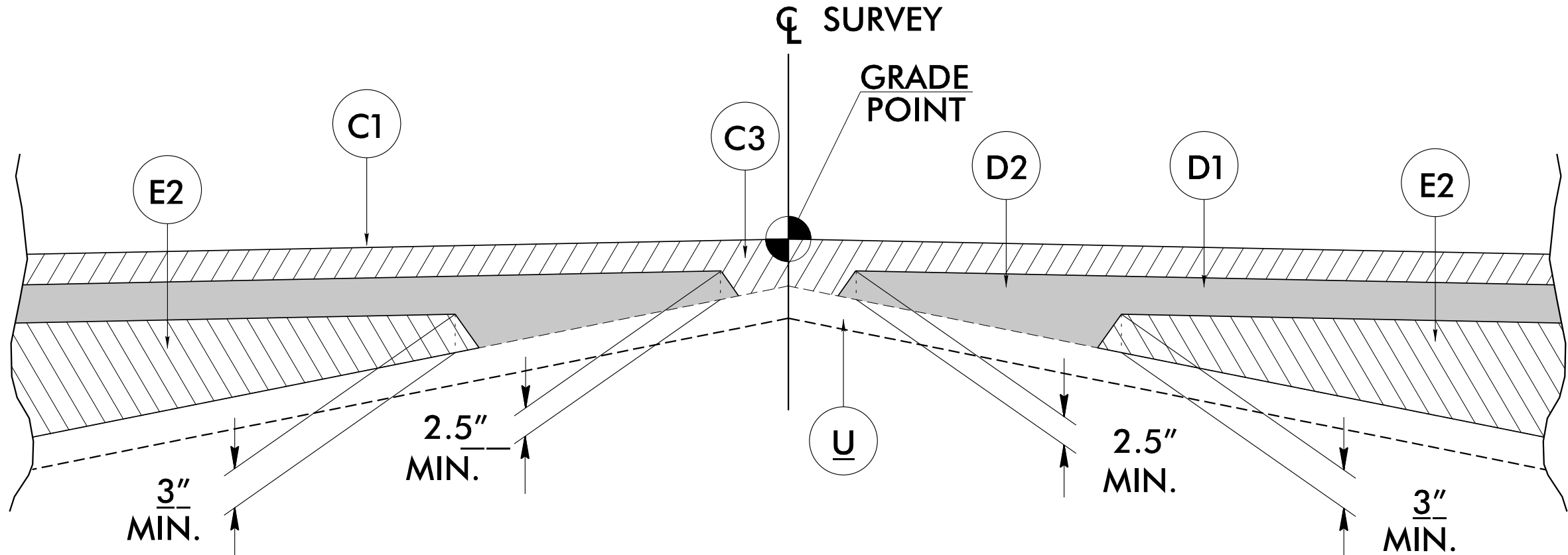
SHOULDER DRAIN DETAIL
SEE SUMMARY TABLE FOR LOCATIONS

HNTB

HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609
NC License No: C-1554

PROJECT REFERENCE NO.		SHEET NO.
I-4400BB		2A-1
RW SHEET NO.		
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER	

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



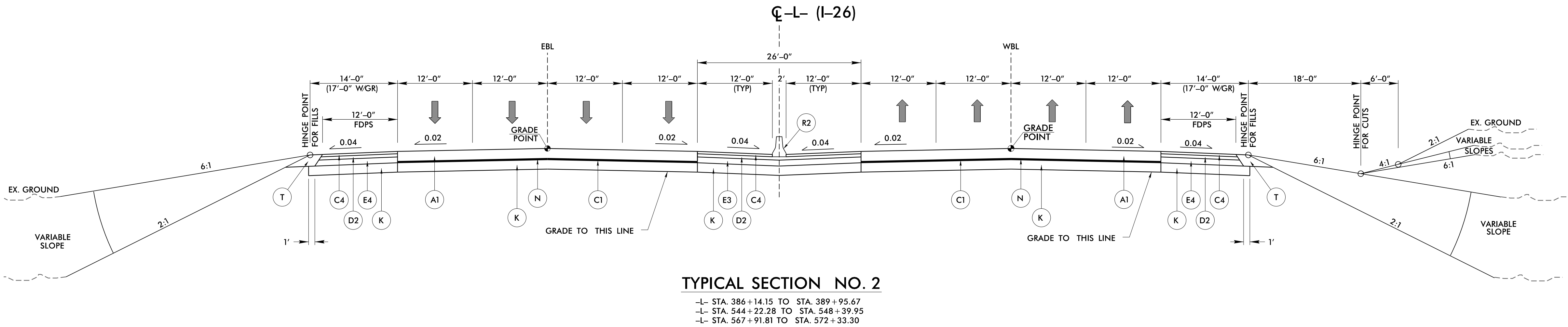
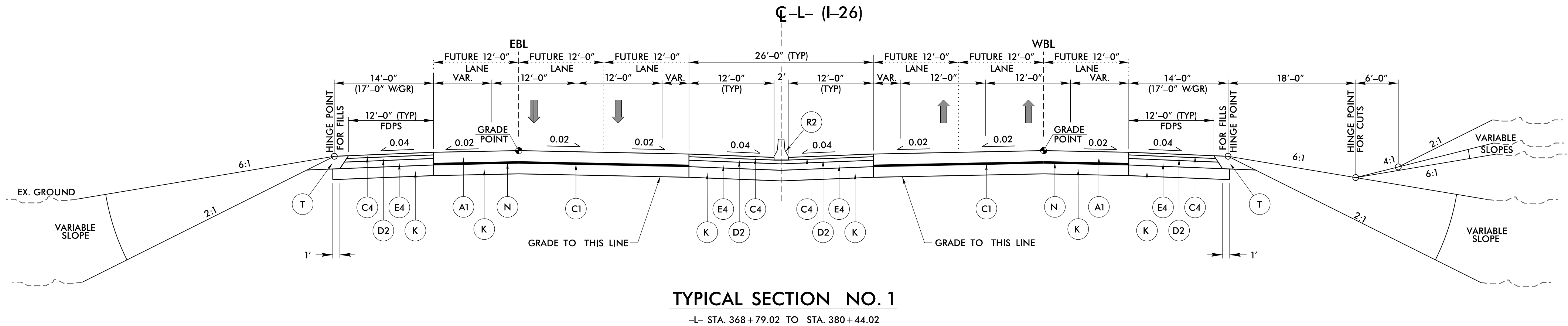
Detail Showing Method of Wedging

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 \$\$\$ENVIRONMENT\$\$\$

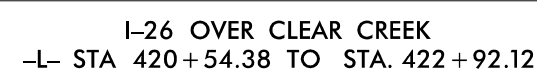
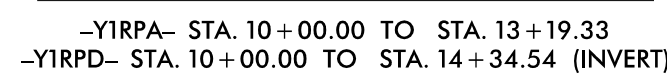
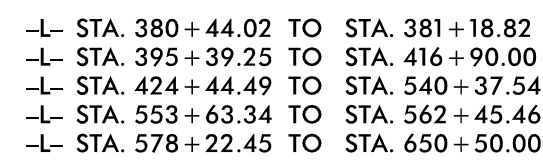
REVISIONS

HNTB
 HNTB NORTH CAROLINA, P.C.
 343 E. Six Forks Road, Suite 200
 Raleigh, North Carolina 27609
 NC License No: C-1554

PROJECT REFERENCE NO.		SHEET NO.
I-4400BB		2A-2
RW SHEET NO.		
ROADWAY DESIGN ENGINEER		PAVEMENT DESIGN ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		



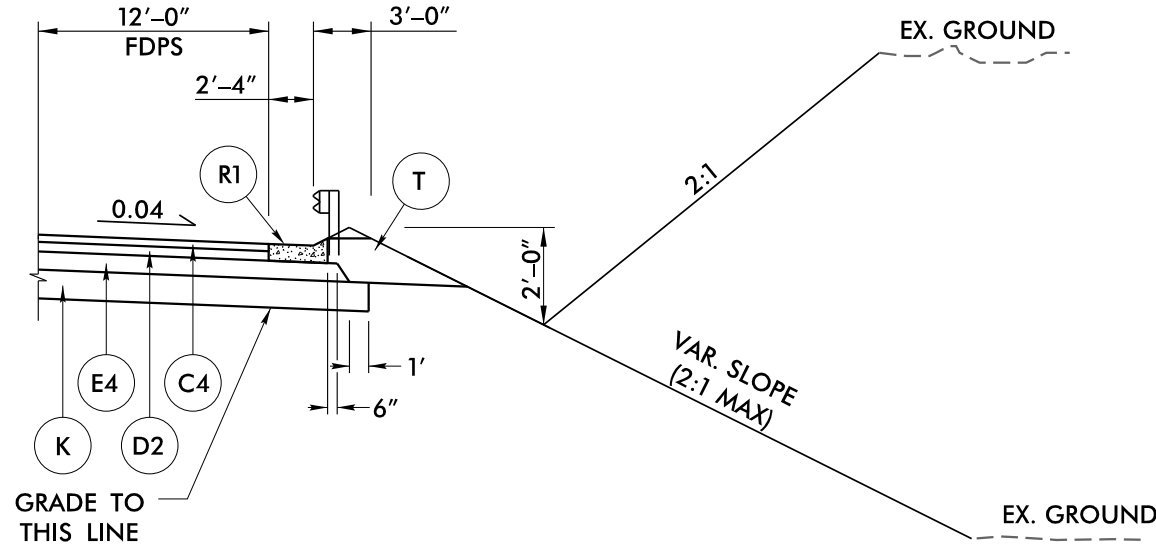
A1	13.0" PCCP
C1	1.25" \$9.5B
C3	3" \$9.5B
C4	3" \$9.5C
D1	2.5" 119.0C
D2	4" 119.0C
D3	3" 119.0C
E1	4" B25.0C
E2	5" B25.0C
E3	5.5" B25.0C
E4	7.25" B25.0C
J	6" ABC
K	12" AGGREGATE SUBGRADE TYPE 1
N	NONWOVEN GEOTEXTILE INTERLAYER
R1	CONC. SHOULDER BERM GUTTER
R2	DOUBLE FACED CONC. BARRIER
R3	SINGLE FACED CONC. BARRIER
R4	SINGLE FACED BARRIER W/ MOMENT SLAB
R5	EXPRESSWAY GUTTER
S	CONC. SIDEWALK
T	EARTH MATERIAL
U	EXIST. PAVEMENT
V	MILLING 1.5" TO 3" DEPTH
W	VARIABLE DEPTH ASPHALT PAVEMENT
PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE	



PAVEMENT EDGE SLOPES
ARE 1:1 UNLESS
SHOWN OTHERWISE

\$\$PEN-TABLE\$\$
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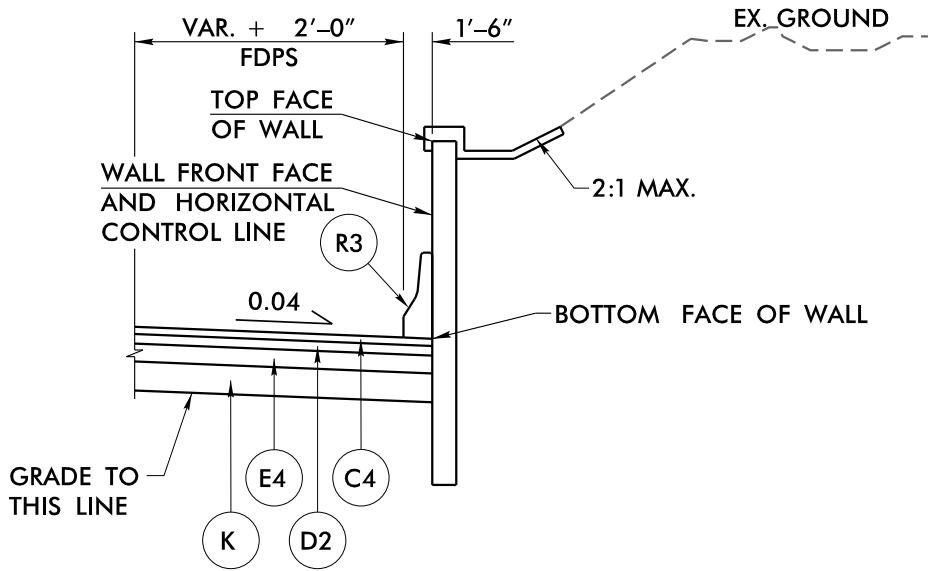
REVISIONS



SHOULDER BERM GUTTER AND GUARDRAIL DETAIL

USE IN CONJUNCTION WITH TYPICAL SECTIONS NO. 1, 2, 3 & 4

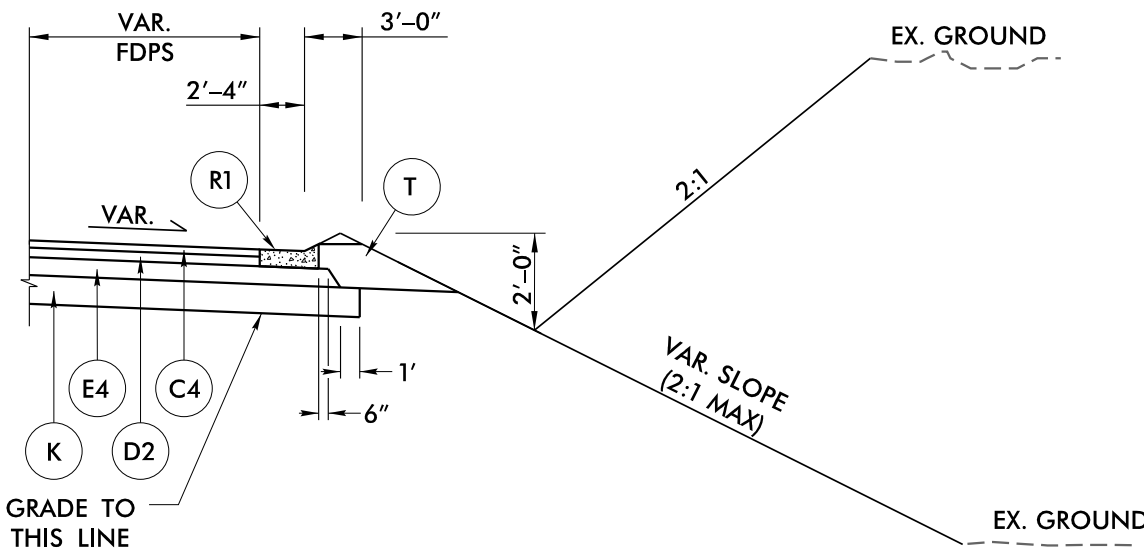
- L- STA. 384+41.88 TO STA. 389+21.00 LT (INVERT)
- L- STA. 385+79.02 TO STA. 387+86.02 RT
- L- STA. 390+47.02 TO STA. 401+29.00 RT
- L- STA. 399+99.00 TO STA. 401+79.07 LT (INVERT)
- L- STA. 402+21.07 TO STA. 405+29.00 LT (INVERT)
- L- STA. 402+80.00 TO STA. 409+04.50 RT
- L- STA. 419+ +54.15 TO STA. 420+54.38 LT (INVERT)
- L- STA. 422+92.12 TO STA. 424+98.00 RT
- L- STA. 422+92.12 TO STA. 424+92.00 LT (INVERT)
- L- STA. 429+93.00 TO STA. 463+16.00 LT (INVERT)
- L- STA. 436+43.00 TO STA. 440+65.00 RT
- L- STA. 450+90.00 TO STA. 462+42.00 RT
- L- STA. 470+45.00 TO STA. 473+15.00 LT (INVERT)
- L- STA. 475+49.00 TO STA. 480+25.00 RT
- L- STA. 483+90.00 TO STA. 500+00.00 RT
- L- STA. 488+48.00 TO STA. 519+09.00 LT (INVERT)
- L- STA. 506+11.00 TO STA. 513+25.00 RT
- L- STA. 518+61.00 TO STA. 528+75.00 RT
- L- STA. 524+75.00 TO STA. 548+52.00 LT (INVERT)
- L- STA. 535+83.00 TO STA. 541+30.00 RT
- L- STA. 546+93.00 TO STA. 549+50.98 RT
- L- STA. 564+67.50 TO STA. 590+85.00 LT (INVERT)
- L- STA. 566+00.00 TO STA. 585+25.00 RT
- L- STA. 596+25.00 TO STA. 612+50.00 RT
- L- STA. 606+00.00 TO STA. 614+02.00 LT (INVERT)
- L- STA. 616+64.00 TO STA. 617+80.00 RT
- L- STA. 619+00.00 TO STA. 620+89.00 LT (INVERT)
- L- STA. 624+00.00 TO STA. 627+00.00 RT
- L- STA. 627+49.00 TO STA. 634+54.00 LT (INVERT)
- L- STA. 635+45.00 TO STA. 646+50.00 RT
- L- STA. 638+92.00 TO STA. 650+50.00 LT (INVERT)



CUT WALL DETAIL

USE IN CONJUNCTION WITH TYPICAL SECTION NO.3

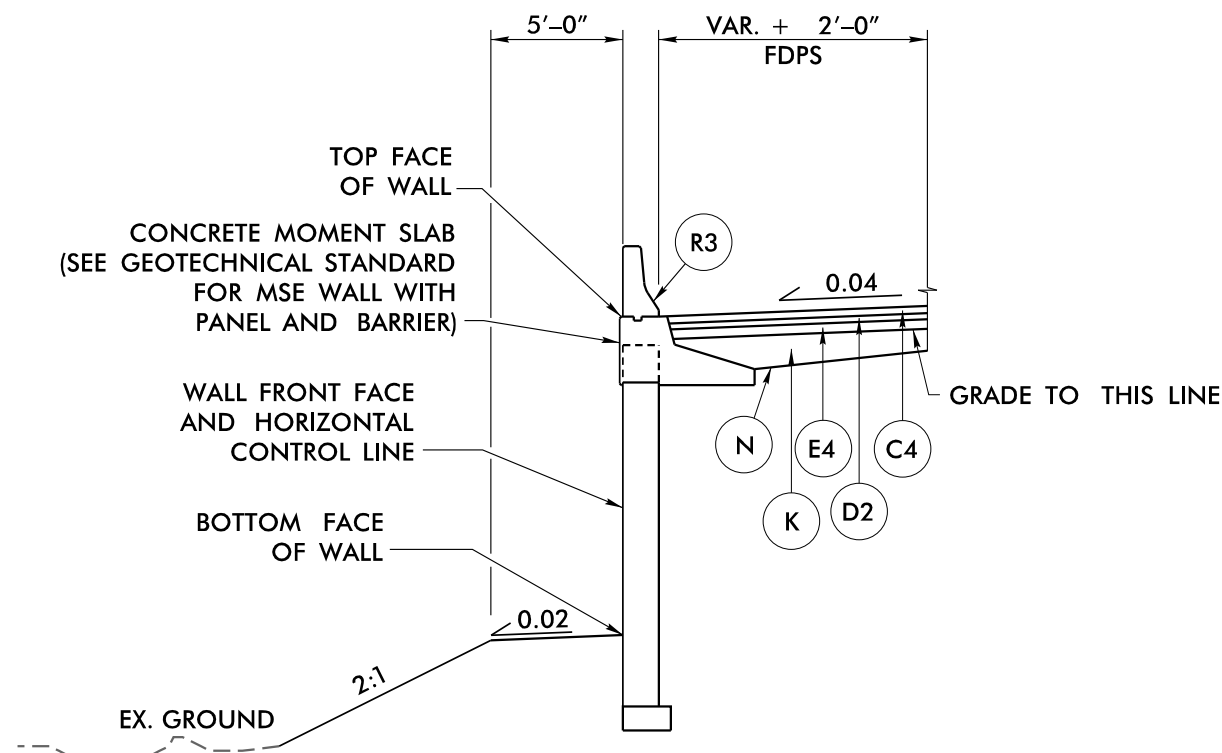
- L- STA. 409+04.50 TO STA. 418+48.43 RT
- L- STA. 424+97.92 TO STA. 429+01.00 RT



SHOULDER BERM GUTTER DETAIL

USE IN CONJUNCTION WITH TYPICAL SECTION NO. 3

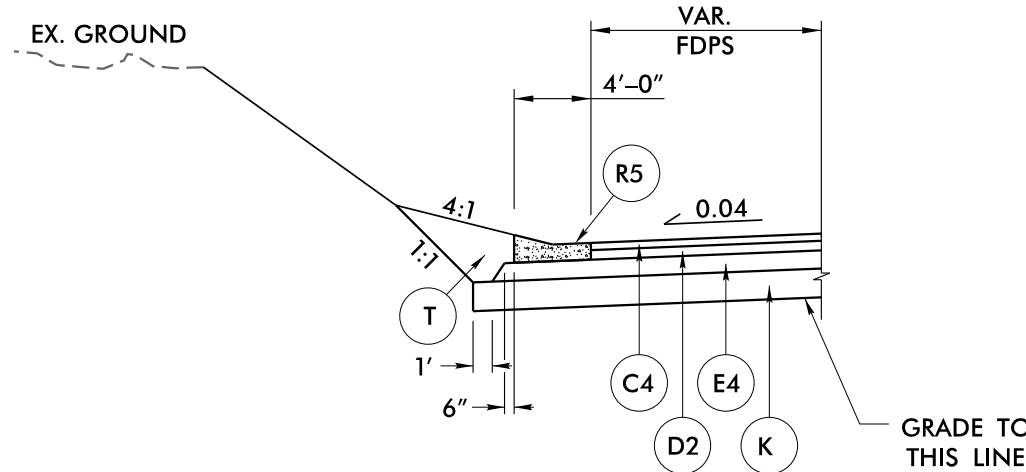
- L- STA. 624+00.00 TO STA. 625+18.00 RT



FILL WALL WITH MOMENT SLAB DETAIL

USE IN CONJUNCTION WITH TYPICAL SECTIONS NO. 3 & 5

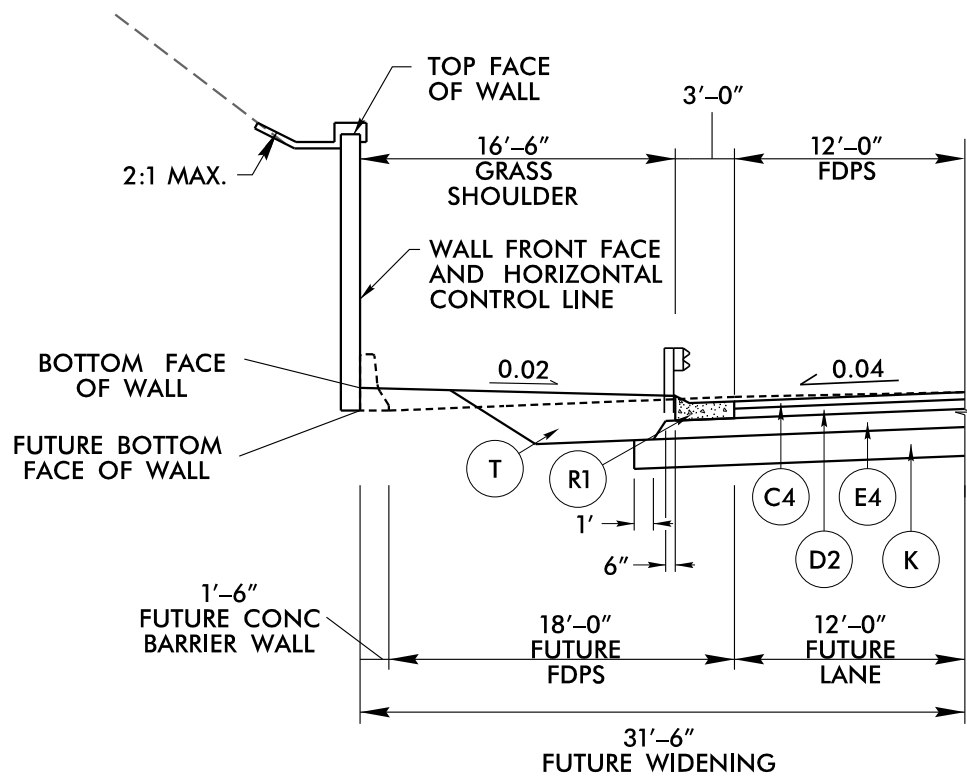
- L- STA. 387+86.02 TO STA. 390+44.02 RT (INVERT)
- L- STA. 401+29.00 TO STA. 402+80.00 RT (INVERT)
- L- STA. 401+79.07 TO STA. 402+21.07 LT
- L- STA. 418+48.43 TO STA. 420+57.44 RT (INVERT)
- Y7- STA. 20+50.00 TO STA. 25+75.00 RT (INVERT)



EXPRESSWAY GUTTER DETAIL

USE IN CONJUNCTION WITH TYPICAL SECTION NO. 3

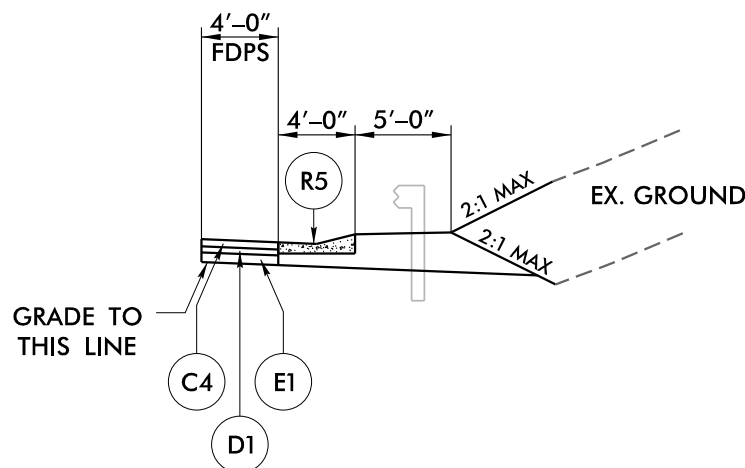
- L- STA. 463+36.00 TO STA. 470+25.00 LT
- L- STA. 618+00.00 TO STA. 623+80.00 RT (INVERT)
- L- STA. 634+74.00 TO STA. 636+50.78 LT
- Y2- STA. 12+40.00 TO STA. 14+00.00 LT (INVERT)
- Y5- STA. 26+25.00 TO STA. 28+68.00 RT (INVERT)



OFFSET CUT WALL WITH SHOULDER BERM GUTTER AND GUARDRAIL DETAIL

USE IN CONJUNCTION WITH TYPICAL SECTION NO.3

- L- STA. 437+77.00 TO STA. 439+51.00 LT
- L- STA. 438+79.00 TO STA. 440+65.00 RT (INVERT)
- L- STA. 538+87.00 TO STA. 540+68.00 LT
- L- STA. 539+30.00 TO STA. 541+29.00 RT (INVERT)
- L- STA. 637+28.00 TO STA. 639+55.00 RT (INVERT)
- L- STA. 638+98.00 TO STA. 640+91.00 LT



EXPRESSWAY GUTTER DETAIL

USE IN CONJUNCTION WITH TYPICAL SECTION NO. 2 & NO. 4

- Y1RPD- STA. 10+09.59 TO STA. 12+00.00 LT

A1	13.0" PCCP
C1	1.25" S9.5B
C3	3" S9.5B
C4	3" S9.5C
D1	2.5" I19.0C
D2	4" I19.0C
D3	3" I19.0C
E1	4" B25.0C
E2	5" B25.0C
E3	5.5" B25.0C
E4	7.25" B25.0C
J	6" ABC
K	12" AGGREGATE SUBGRADE TYPE 1
N	NONWOVEN GEOTEXTILE INTERLAYER
R1	CONC. SHOULDER BERM GUTTER
R2	DOUBLE FACED CONC. BARRIER
R3	SINGLE FACED CONC. BARRIER
R4	SINGLE FACED BARRIER W/ MOMENT SLAB
R5	EXPRESSWAY GUTTER
S	CONC. SIDEWALK
T	EARTH MATERIAL
U	EXIST. PAVEMENT
V	MILLING 1.5" TO 3" DEPTH
W	VARIABLE DEPTH ASPHALT PAVEMENT
PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE	

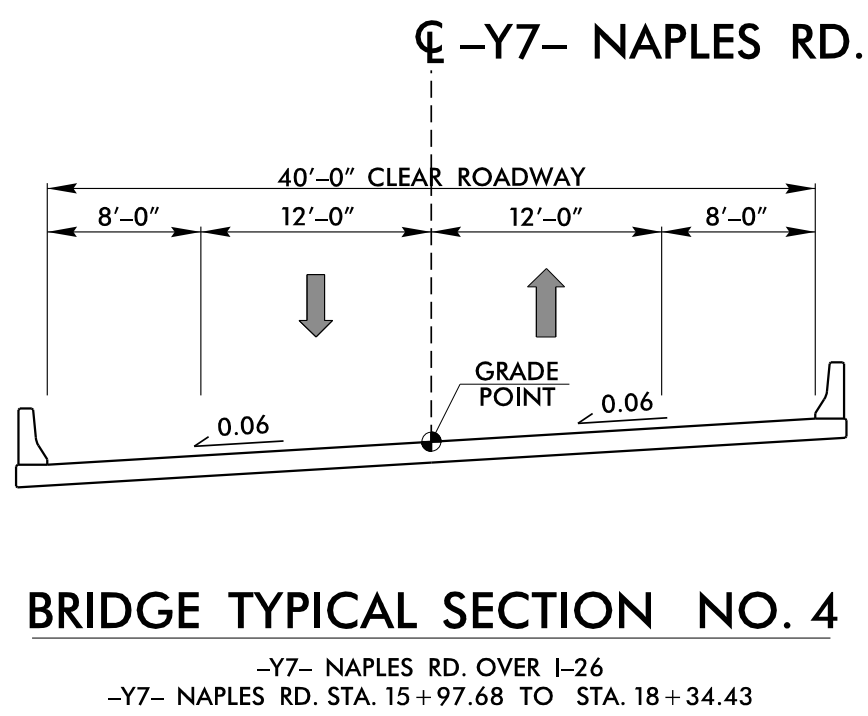
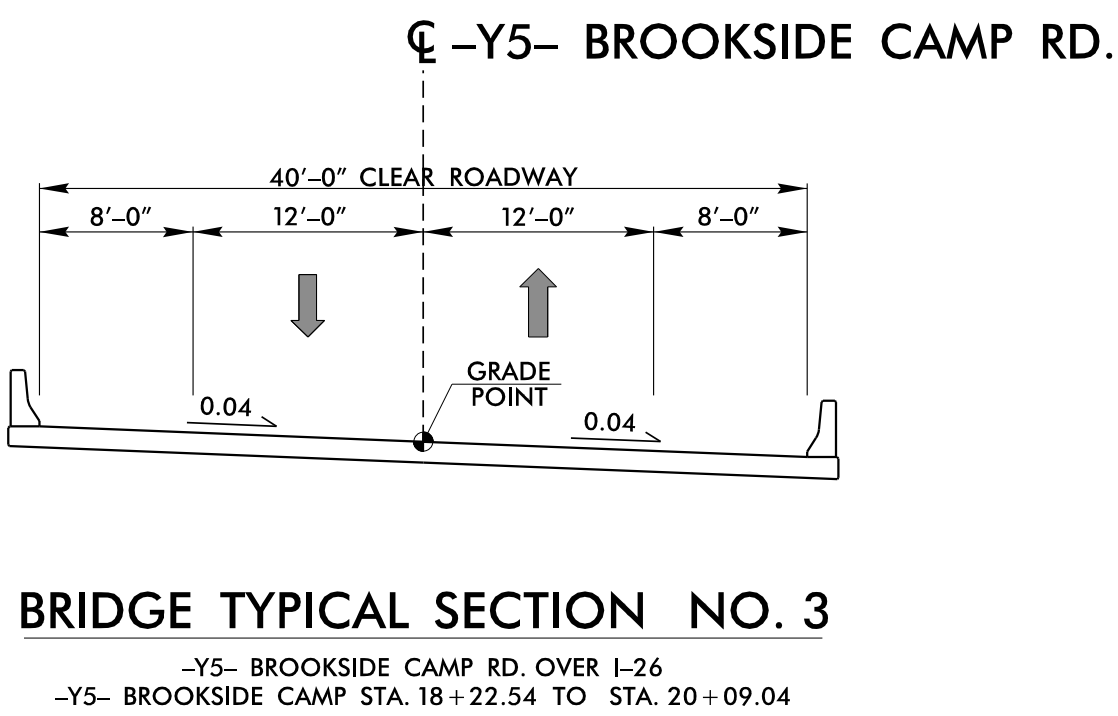
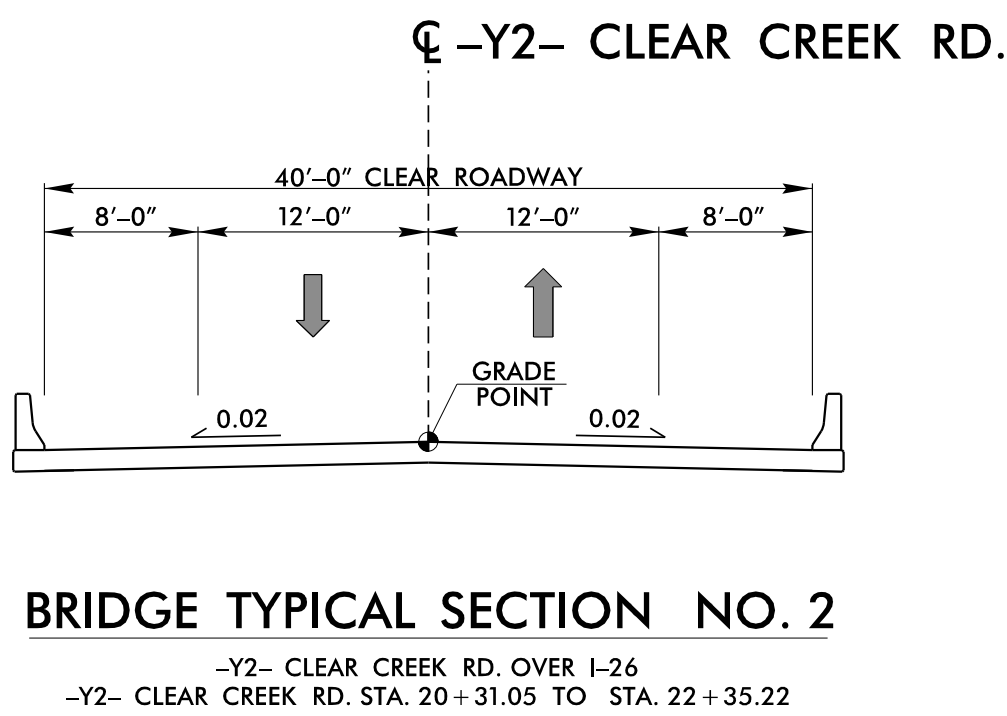
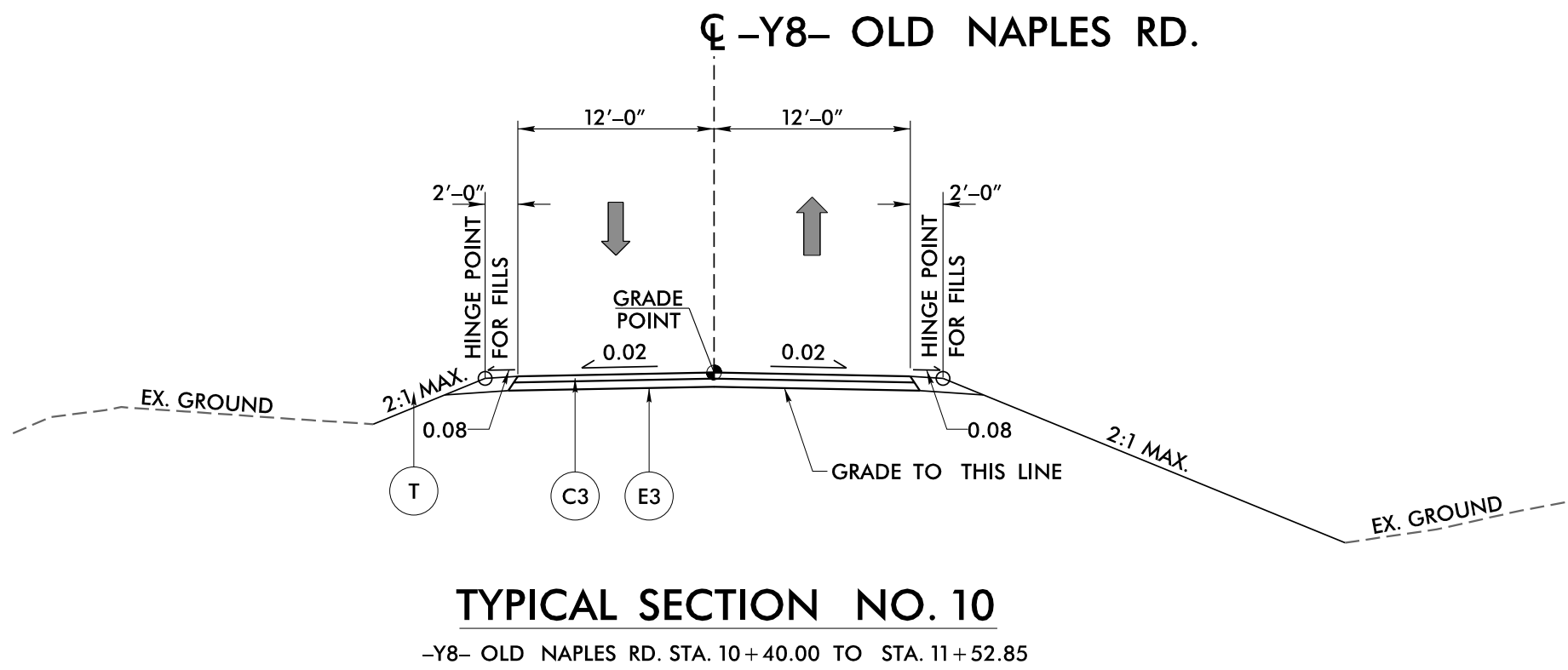
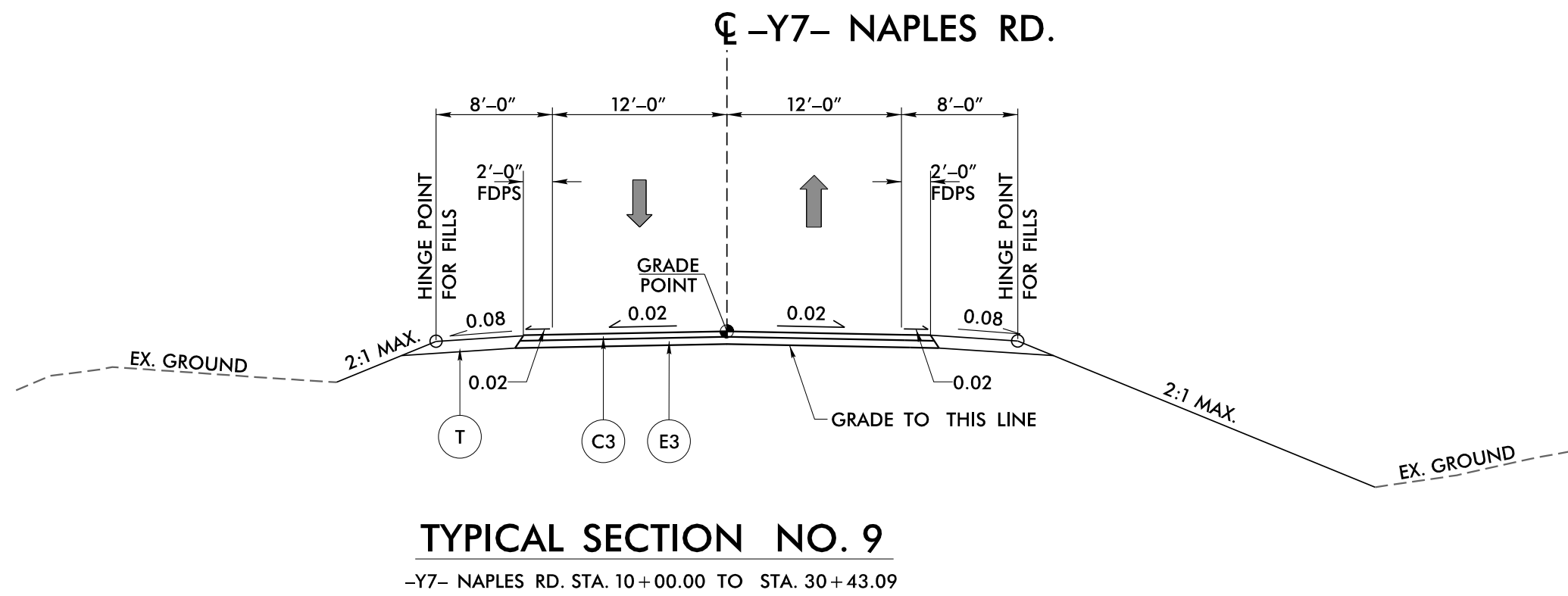
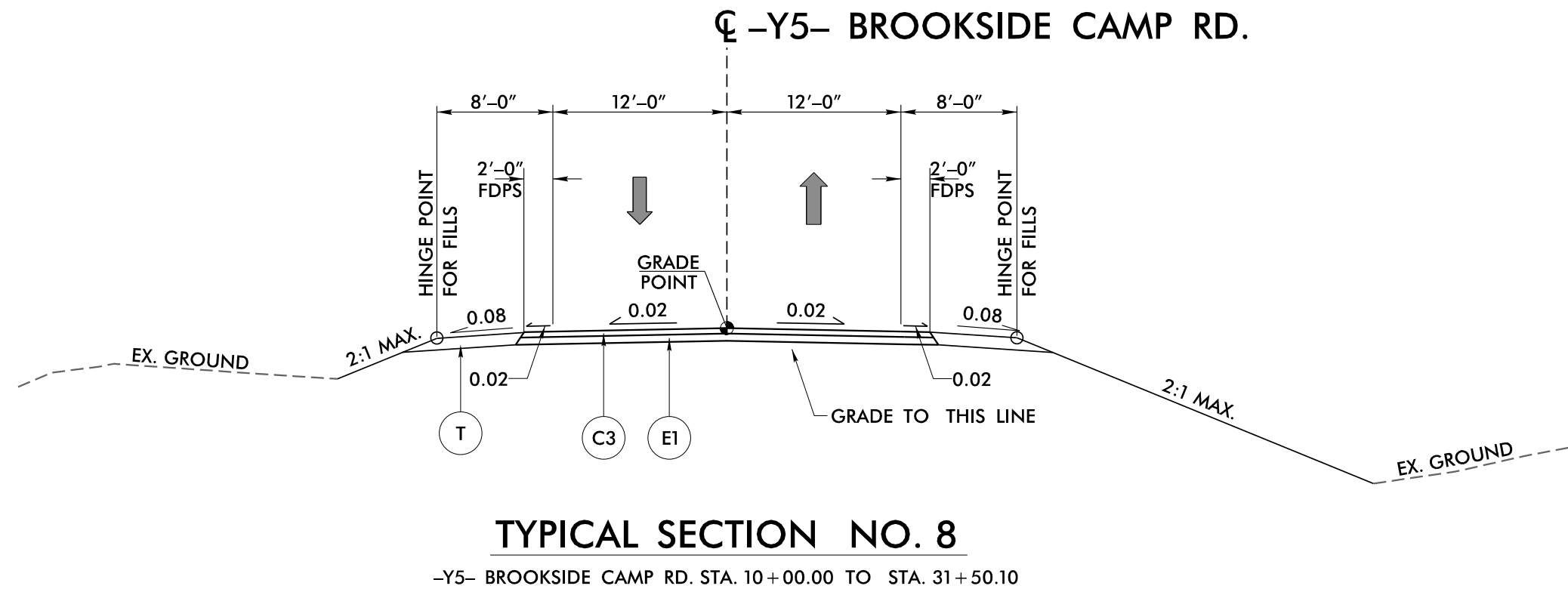
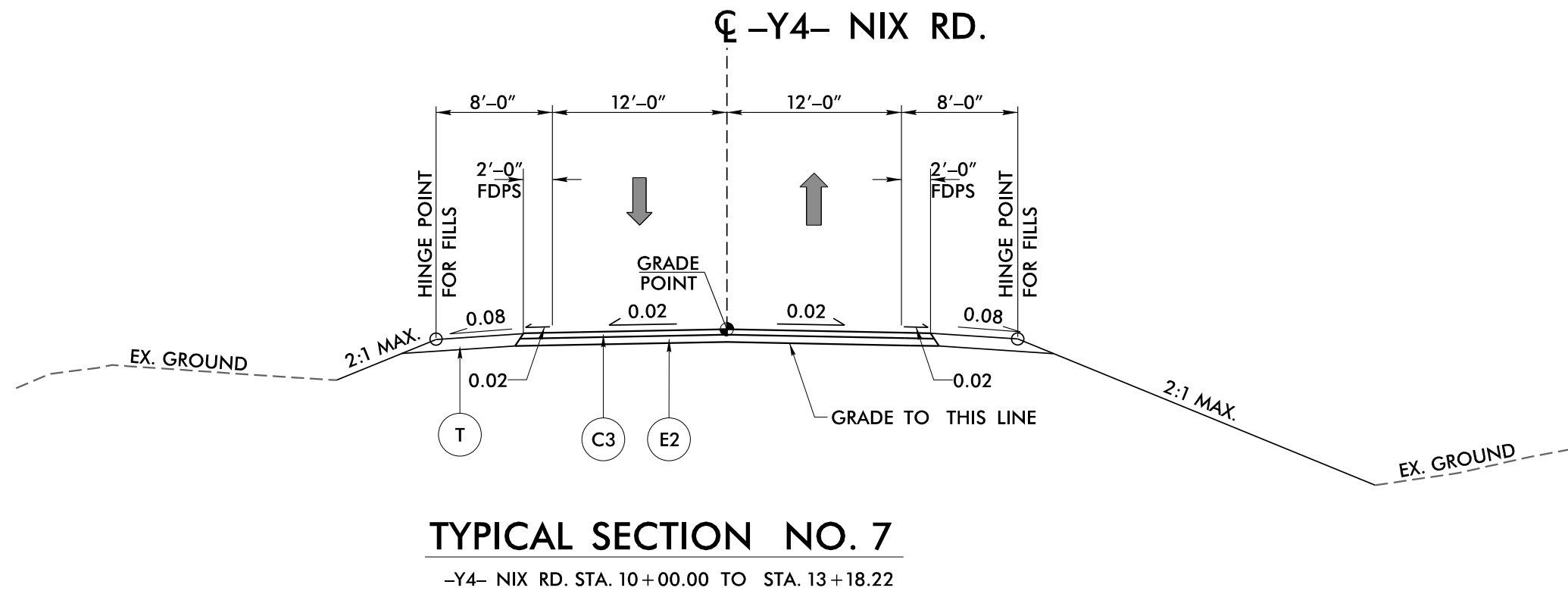
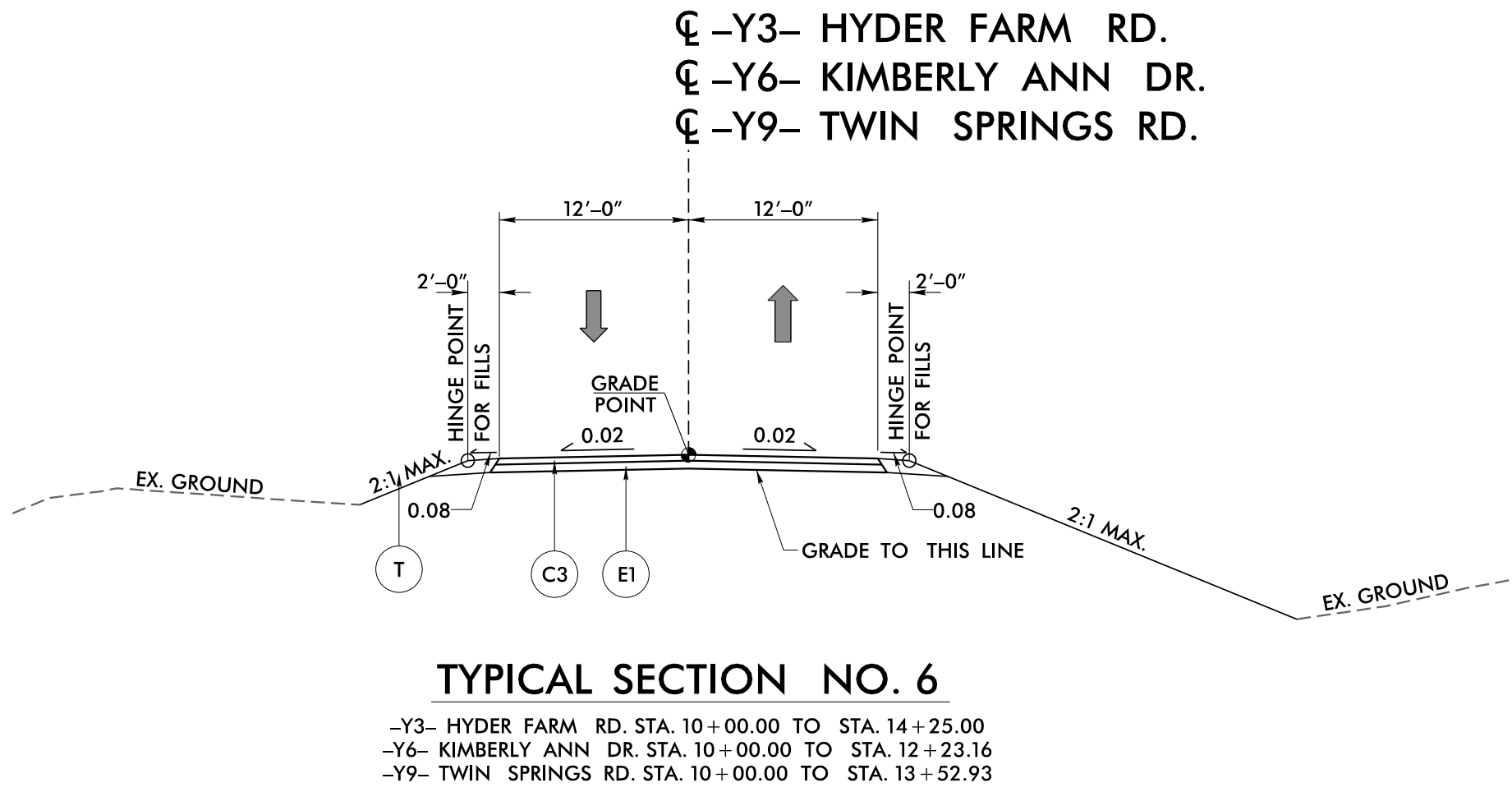
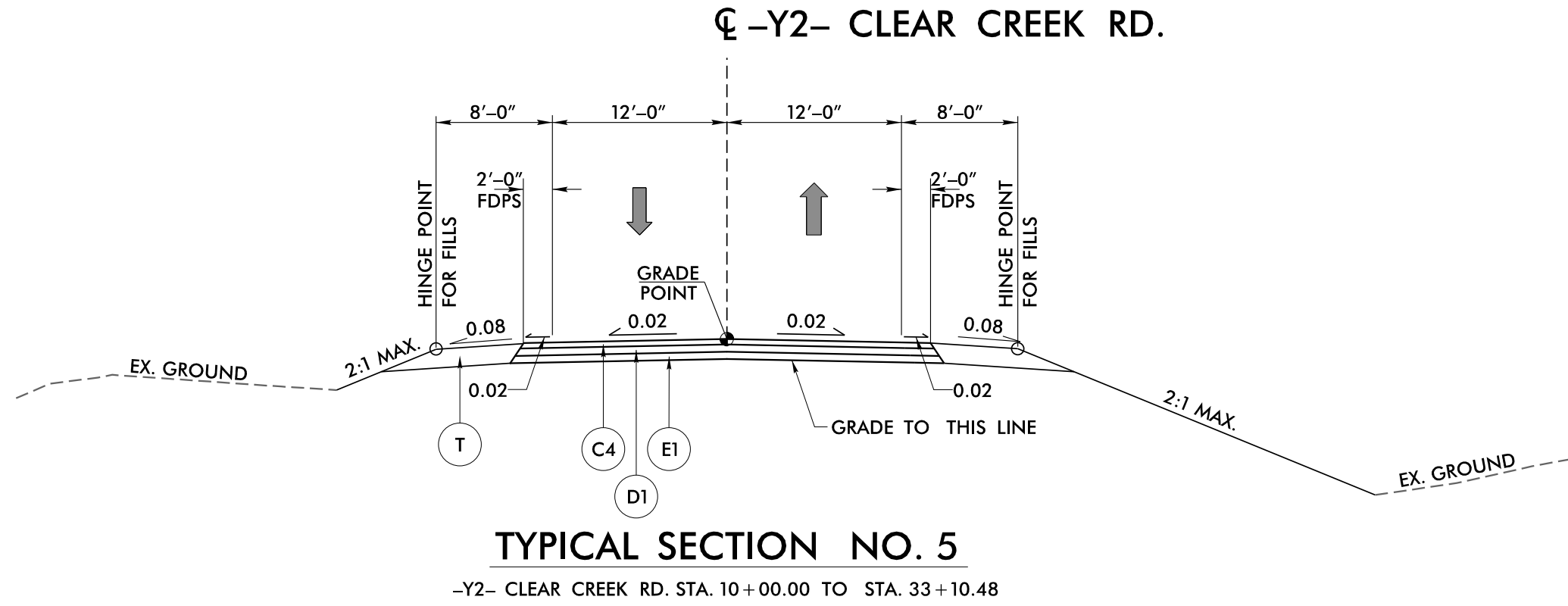
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 \$\$ENVIRONMENT\$\$

REVISIONS

HNTB
 HNTB NORTH CAROLINA, P.C.
 343 E. Six Forks Road, Suite 200
 Raleigh, North Carolina 27609
 NC License No: C-1554

PROJECT REFERENCE NO.
 1-4400BB
 SHEET NO.
 2A-5

RW SHEET NO.
 ROADWAY DESIGN ENGINEER
 PAVEMENT DESIGN ENGINEER
 DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED



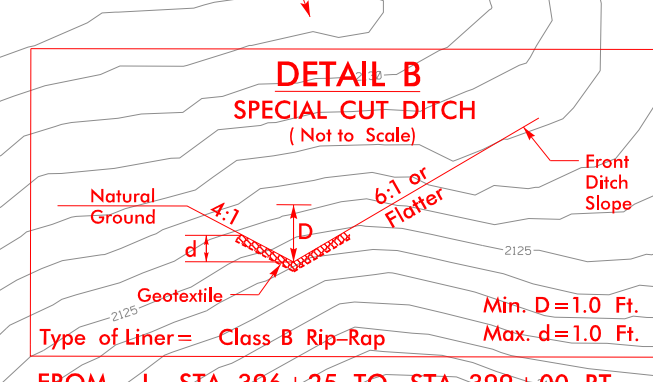
A1	13.0" PCCP
C1	1.25" \$9.5B
C3	3" \$9.5B
C4	3" \$9.5C
D1	2.5" I19.0C
D2	4" I19.0C
D3	3" I19.0C
E1	4" B25.0C
E2	5" B25.0C
E3	5.5" B25.0C
E4	7.25" B25.0C
J	6" ABC
K	12" AGGREGATE SUBGRADE TYPE 1
N	NONWOVEN GEOTEXTILE INTERLAYER
R1	CONC. SHOULDER BERM GUTTER
R2	DOUBLE FACED CONC. BARRIER
R3	SINGLE FACED CONC. BARRIER
R4	SINGLE FACED BARRIER W/ MOMENT SLAB
R5	EXPRESSWAY GUTTER
S	CONC. SIDEWALK
T	EARTH MATERIAL
U	EXIST. PAVEMENT
V	MILLING 1.5" TO 3" DEPTH
W	VARIABLE DEPTH ASPHALT PAVEMENT
PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE	

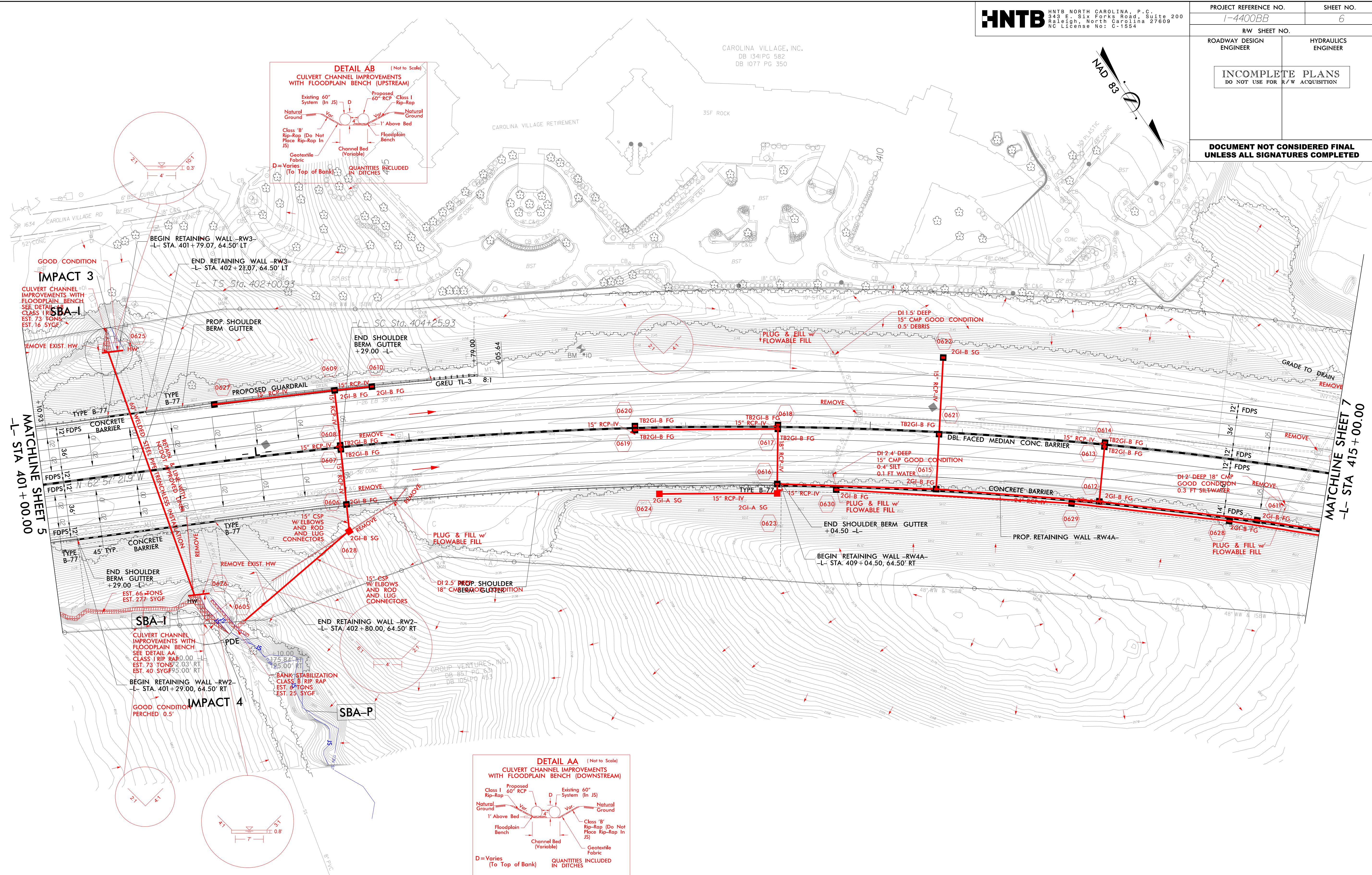

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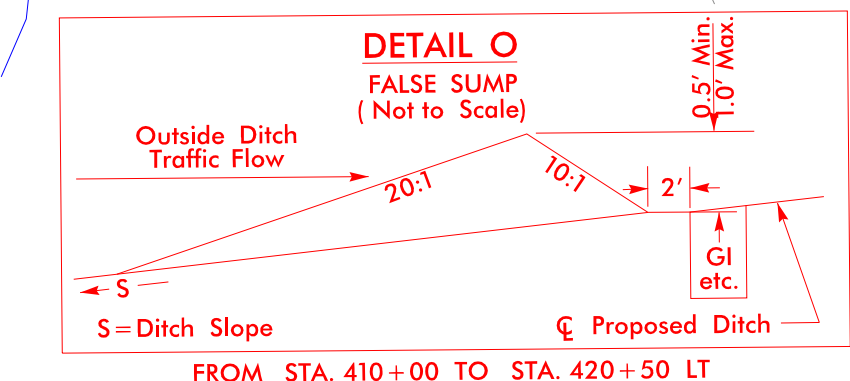
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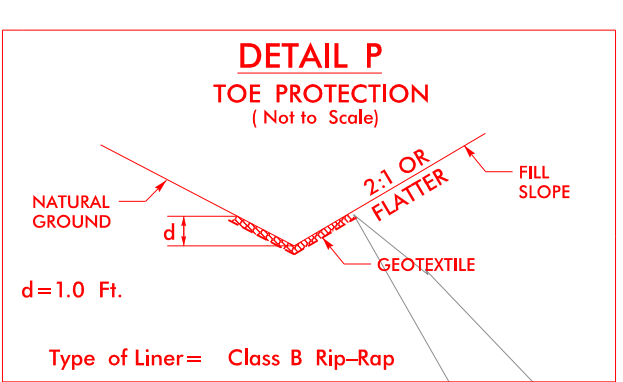
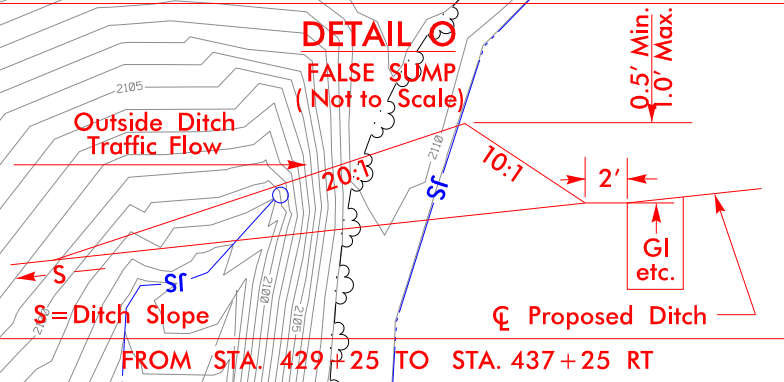
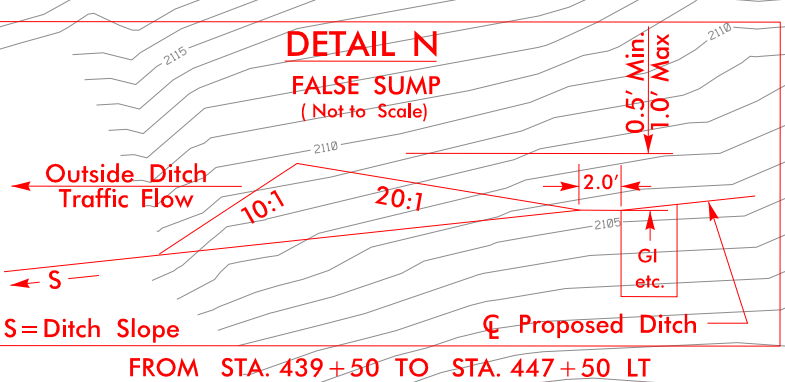
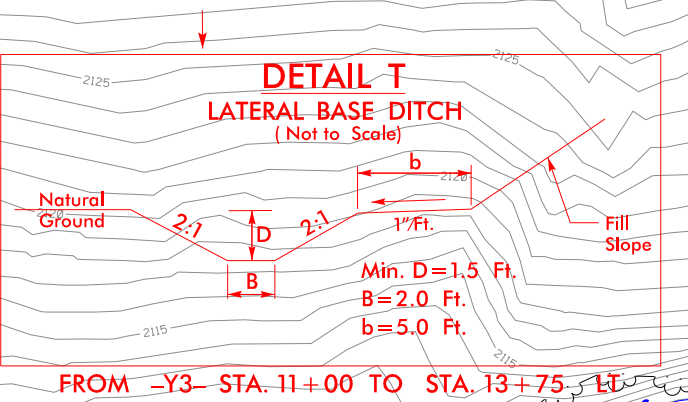
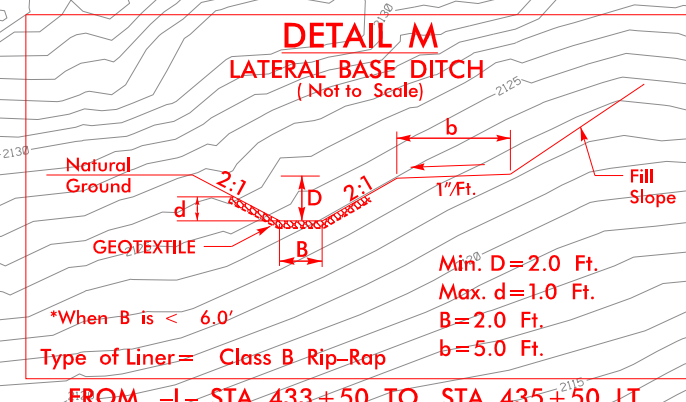
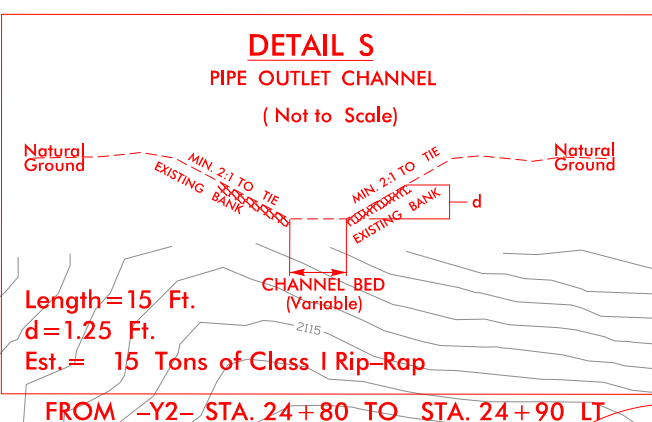
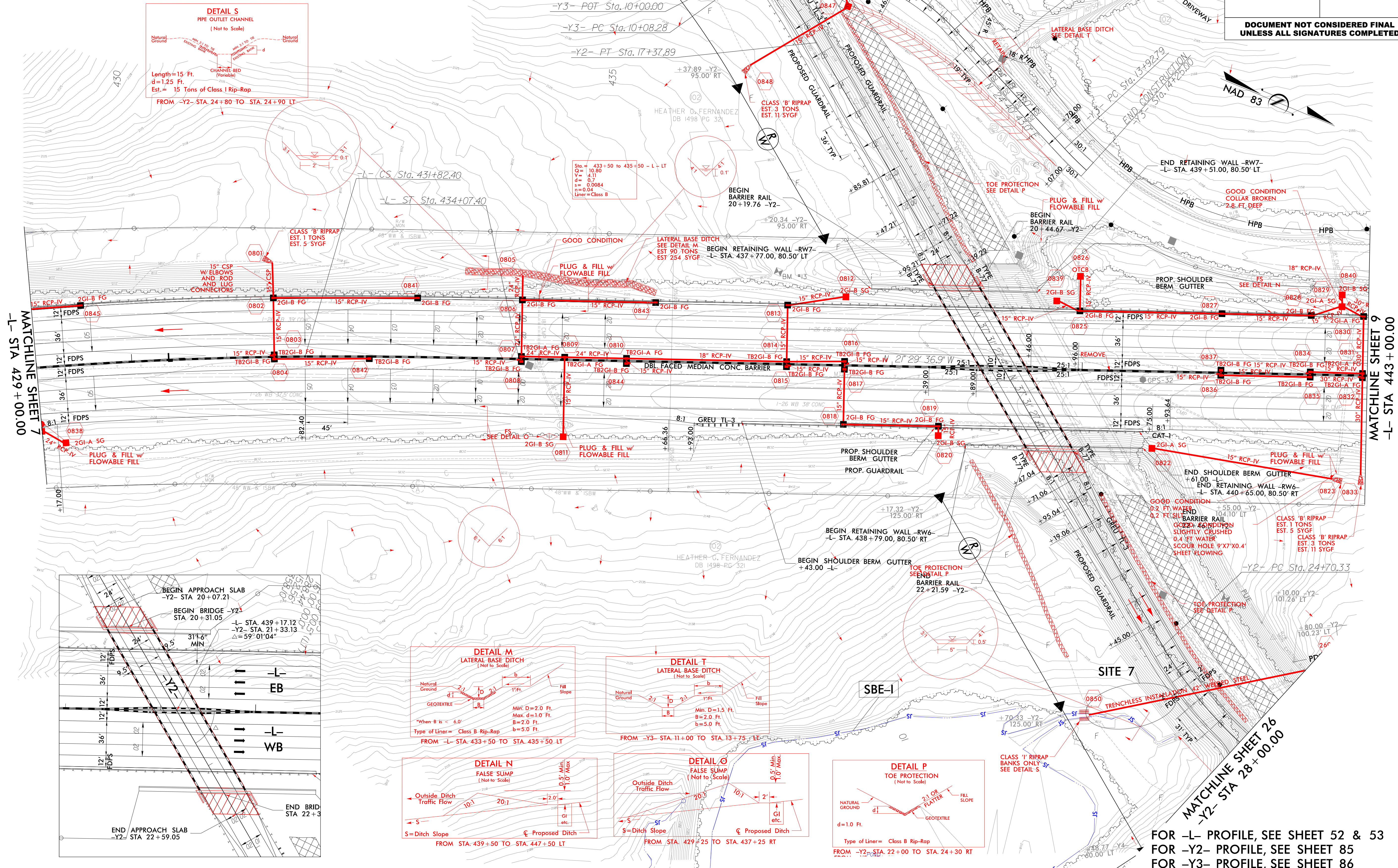
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-Y3- STA 14+00.00

MATCHLINE SHEET 25
-Y2- STA 16+00.00

HNTB

HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609
NC License No: C-1554

PROJECT REFERENCE NO. I-4400BB		SHEET NO. 8
RW SHEET NO. ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION		
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		



MATCHLINE SHEET 7
-L- STA 429+00.00

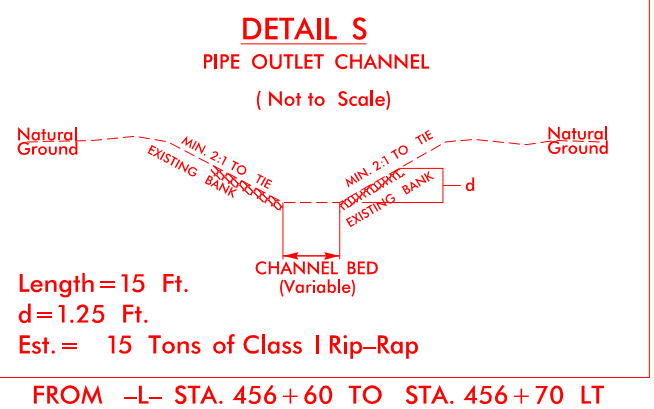
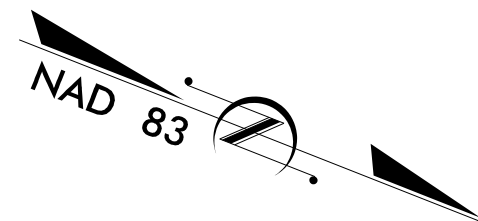
MATCHLINE SHEET 9
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FOR -L- PROFILE, SEE SHEET 52 & 53
FOR -Y2- PROFILE, SEE SHEET 85
FOR -Y3- PROFILE, SEE SHEET 86



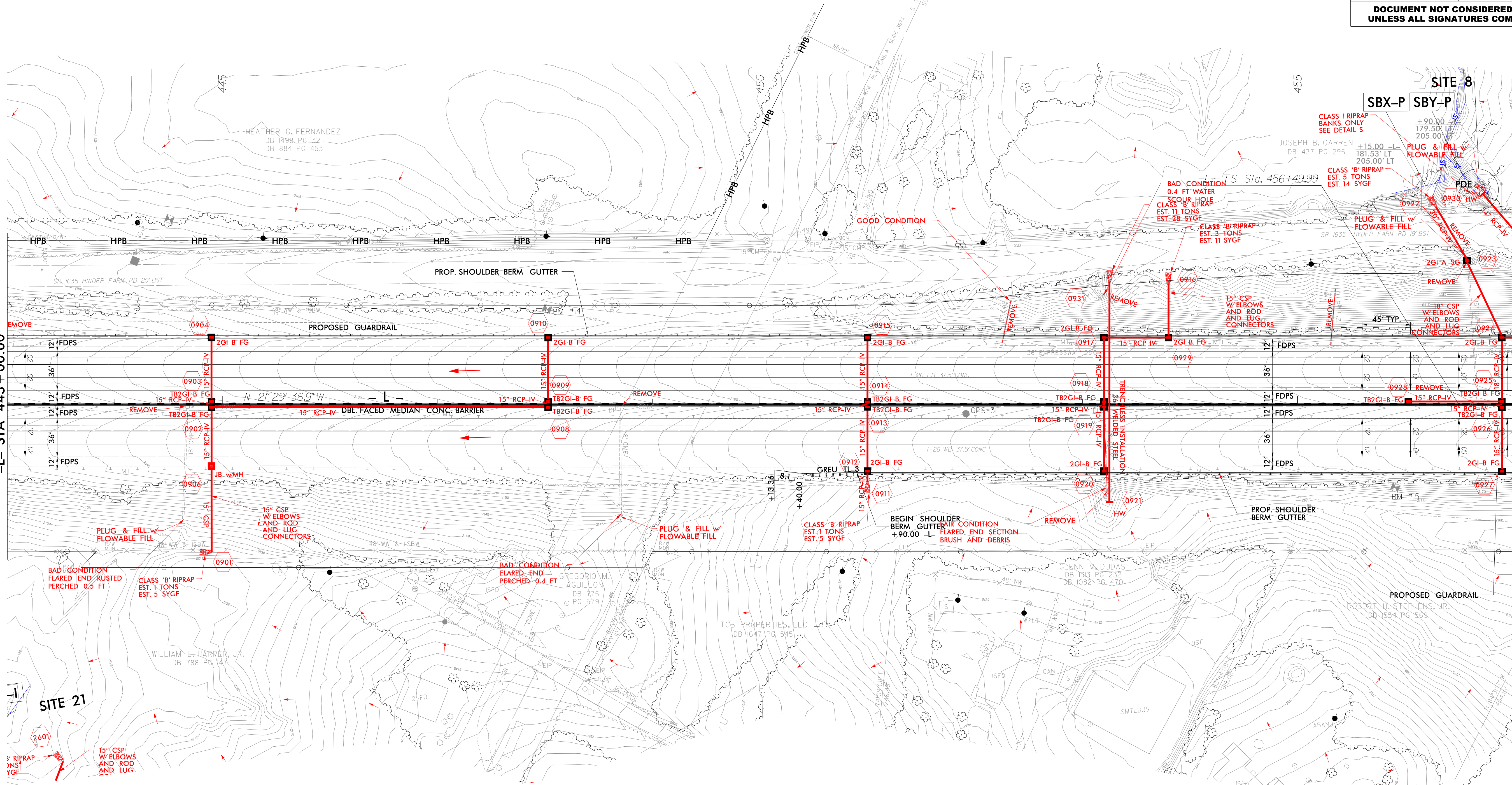
HNTB NORTH CAROLINA, P.C.
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Raleigh, North Carolina 27609
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PROJECT REFERENCE NO. I-4400BB		SHEET NO. 9
RW SHEET NO.		
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION		
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MATCHLINE SHEET 8
-L- STA 443+00.00

MATCHLINE SHEET 10
-L- STA 457+00.00



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PROJECT REFERENCE NO.

I-4400BB

SHEET NO.

11

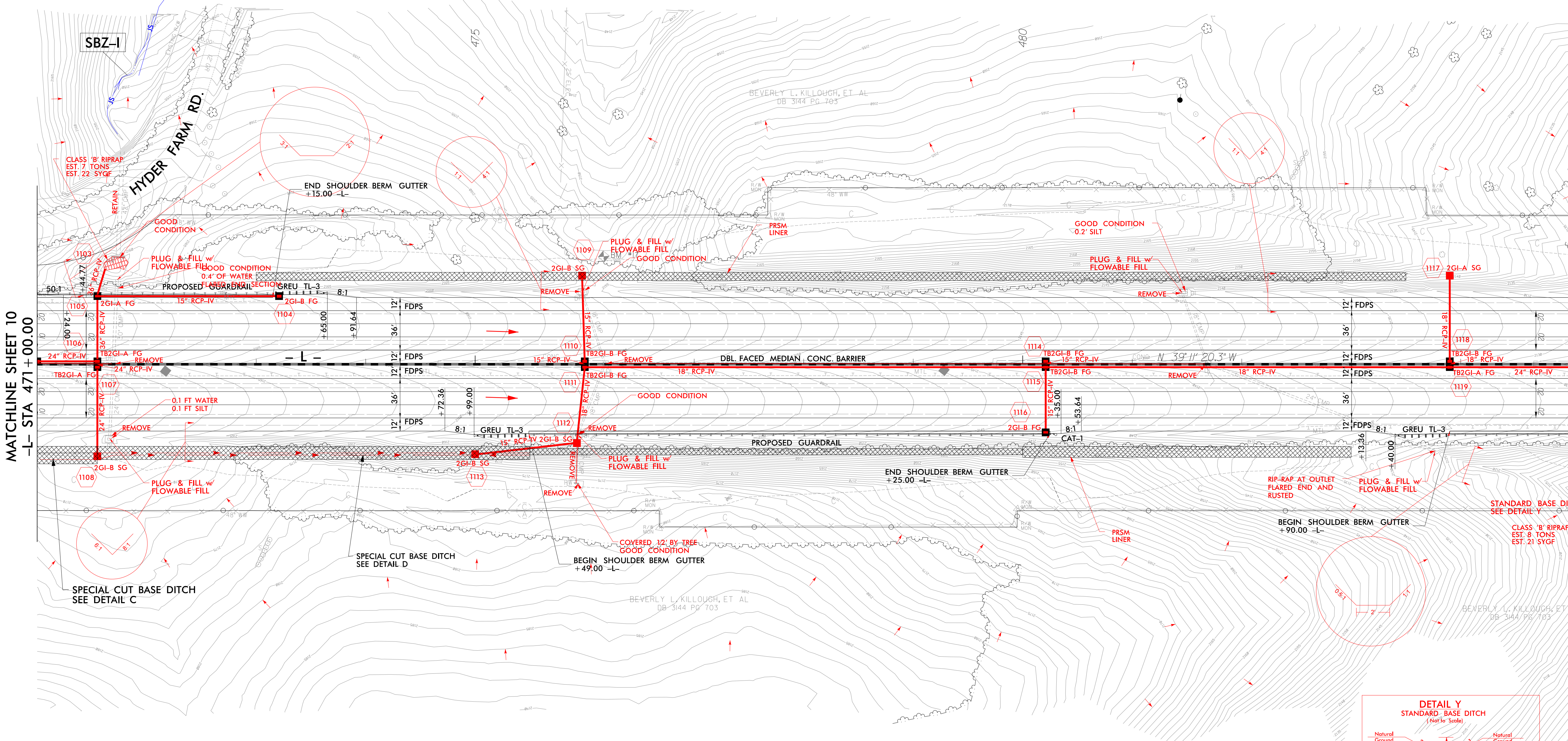
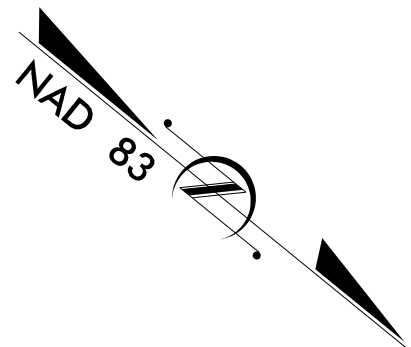
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ROADWAY DESIGN
ENGINEER

HYDRAULICS
ENGINEER

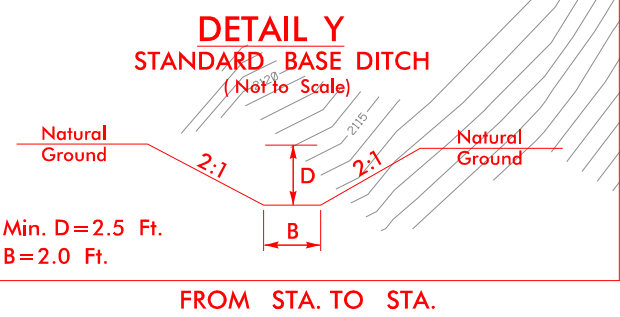
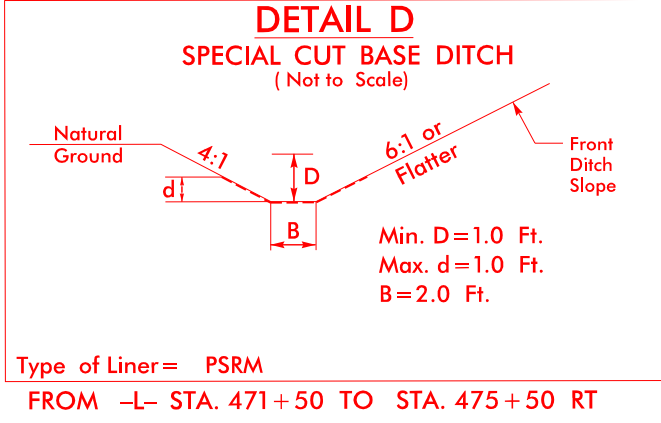
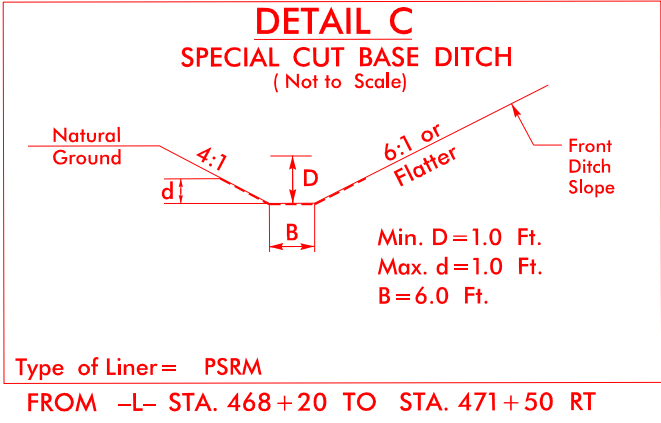
INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL
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MATCHLINE SHEET 10
-L- STA 471+00.00

MATCHLINE SHEET 12
-L- STA 485+00.00



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RW SHEET NO.

12

ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

INCOMPLETE PLANS

DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL

UNLESS ALL SIGNATURES COMPLETED

NAD 83

MATCHLINE SHEET 11
-L- STA 485 + 00.00

MATCHLINE SHEET 13
-L- STA 499 + 00.00

The main plan view shows a road alignment with stationing from STA 485+00.00 to STA 499+00.00. It includes various engineering notes such as 'GOOD CONDITION 0.2' WATER', 'BAD CONDITION 0.5' WATER 0.1' SILT', and 'CLASS 'B' RIPRAP EST. 1 TONS EST. 5 SYGF'. It also shows 'PROPOSED GUARDRAIL', 'DBL FACED MEDIAN CONC. BARRIER', and 'PROP. SHOULDER BERM GUTTER'. The plan view is overlaid on a topographic map showing contour lines and existing features. Key features include 'BEVERLY L. KILLGUGH, ET AL DB 314 PG 703', 'HRR PROPERTIES, LLC DB 1599 PG 3652', 'G. RAY FUSSELL DB 1254 PG 107', 'RICHARD F. MIHALIK DB 761 PG 243', and 'MITCHELL G. BULLINGTON DB 1500 PG 371'. The plan view also shows 'PDE' (Proposed Ditch Edge) and 'PDE' (Proposed Ditch Edge) lines. The plan view is overlaid on a topographic map showing contour lines and existing features. Key features include 'BEVERLY L. KILLGUGH, ET AL DB 314 PG 703', 'HRR PROPERTIES, LLC DB 1599 PG 3652', 'G. RAY FUSSELL DB 1254 PG 107', 'RICHARD F. MIHALIK DB 761 PG 243', and 'MITCHELL G. BULLINGTON DB 1500 PG 371'. The plan view also shows 'PDE' (Proposed Ditch Edge) and 'PDE' (Proposed Ditch Edge) lines.

PREFORMED SCOUR HOLE
*NOT TO SCALE

PLAN VIEW

INSTALL LEVEL AND FLUSH WITH NATURAL GROUND

Pipe or Ditch Outlet

Square Preformed Scour Hole (PSH)

(Rip Rap in basin not shown for clarity)

Permanent Soil Reinforcement matting (PSRM)

(4' min typ)

Seal with native grasses or mulch.

SECTION A-A

PIPE (d = 15" OR 18")

INFLOW

FILL SLOPE

PSRM

NATURAL GROUND

MIN. 1' TUCK

LINER: CLASS B RIPRAP WITH GEOTEXTILE

B = 5
D = 2
W = 4

FROM -L- STA. 485 + 40 TO STA. 485 + 55 RT
FROM -L- STA. 485 + 90 TO STA. 486 + 05 RT

DETAIL E
TOE PROTECTION
(Not to Scale)

NATURAL GROUND

d = 1.5 Ft.

2:1 OR FLATTER

FILL SLOPE

GEOTEXTILE

Type of Liner = Class B Rip-Rap

FROM -L- STA. 492 + 70 TO STA. 494 + 00 RT

DETAIL I
SPECIAL CUT BASE DITCH
(Not to Scale)

Natural Ground

d = 1

Geotextile

2:1

4:1 or Flatter

Front Slope Ditch

Min. D = 1.0 Ft.
Max. d = 0.5 Ft.
B = 2.0 Ft.

Type of Liner = Class B Rip-Rap

FROM -L- STA. 498 + 50 TO STA. 499 + 00 RT

FOR -L- PROFILE, SEE SHEET 56 & 57

REVISIONS

SYSTEMTIME\$\$\$\$\$
USERNAME\$\$\$\$\$
SCALE\$\$\$\$\$
ENVIRONMENT\$\$\$\$\$



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PROJECT REFERENCE NO.

I-4400BB

SHEET NO.

13

RW SHEET NO.

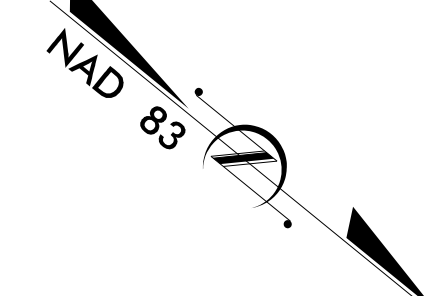
ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

INCOMPLETE PLANS

DO NOT USE FOR R/W ACQUISITION

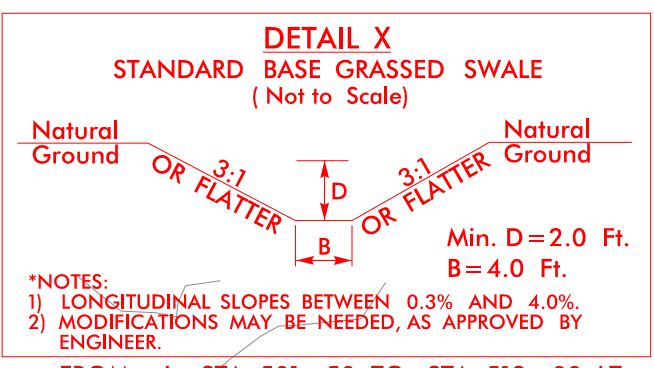
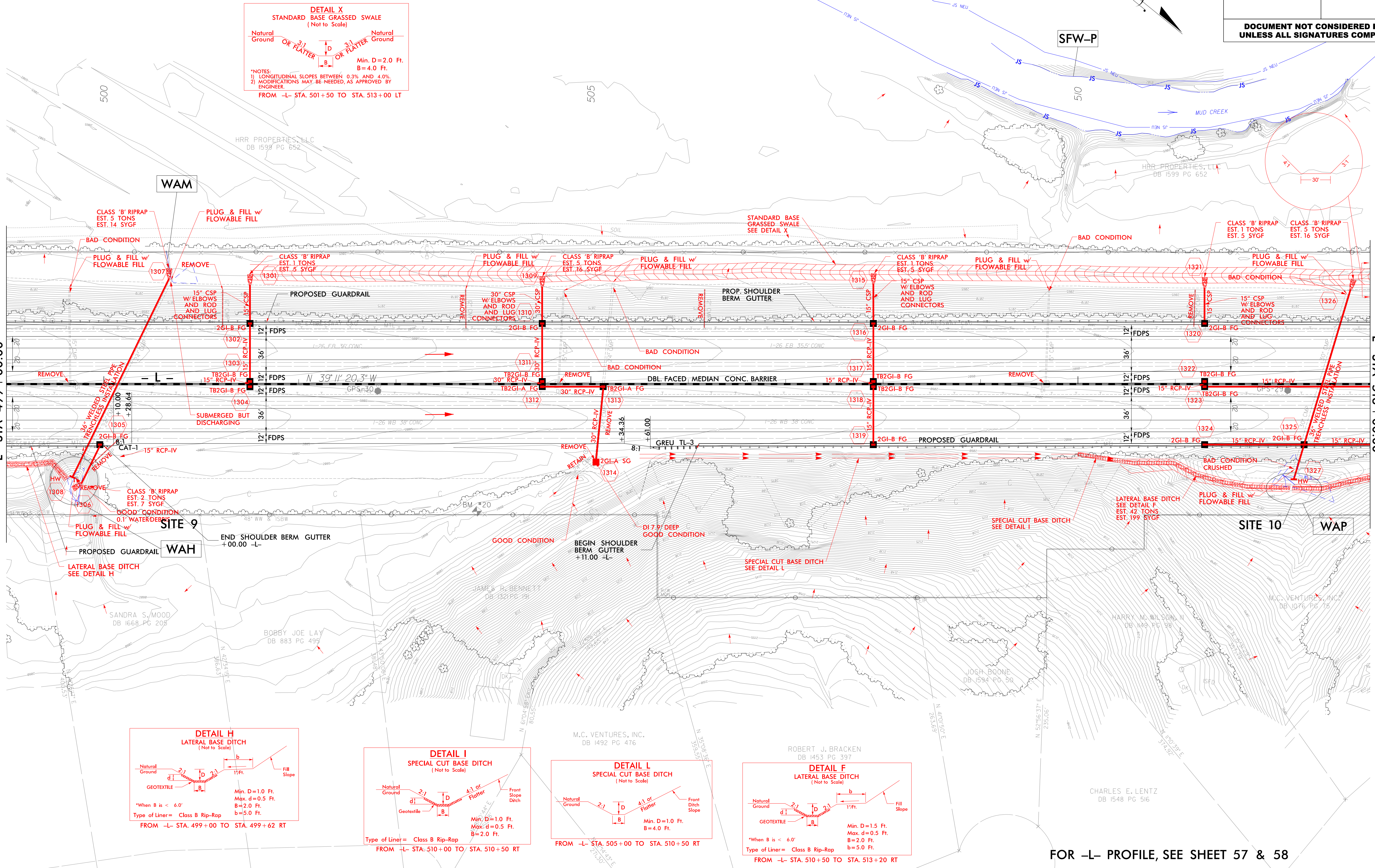
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



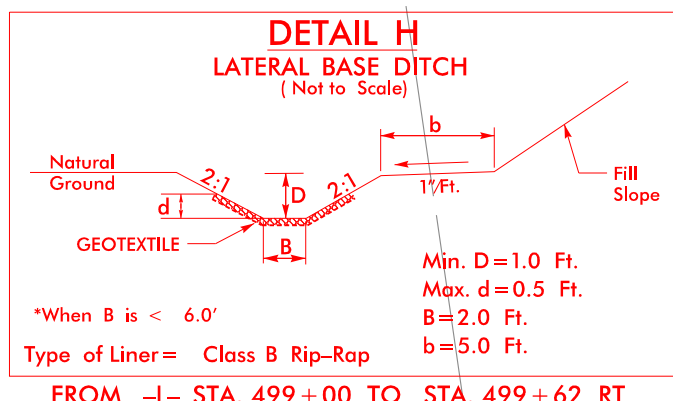
SFW-P

MATCHLINE SHEET 12
-L- STA 499+00.00

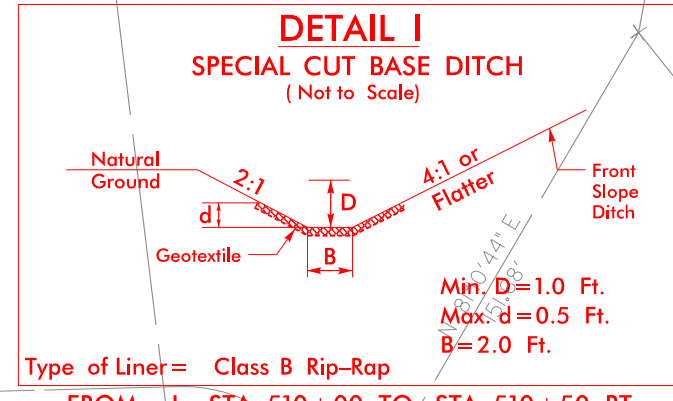
MATCHLINE SHEET 14
-L- STA 513+00.00



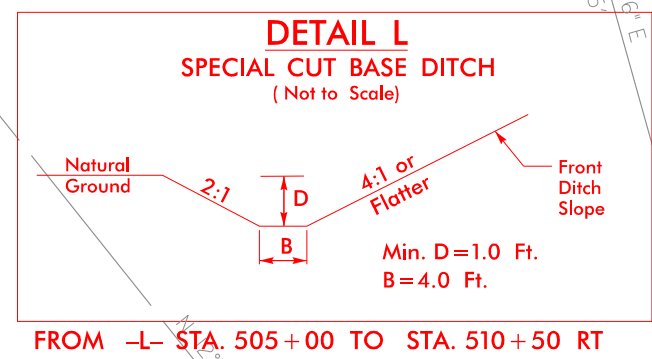
*NOTES:
1) LONGITUDINAL SLOPES BETWEEN 0.3% AND 4.0%.
2) MODIFICATIONS MAY BE NEEDED, AS APPROVED BY ENGINEER.
FROM -L- STA. 501+50 TO STA. 513+00 LT



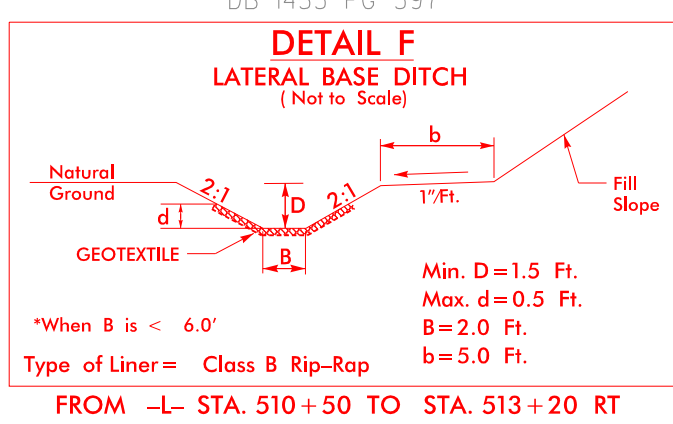
*When B is < 6.0'
Type of Liner= Class B Rip-Rap
FROM -L- STA. 499+00 TO STA. 499+62 RT



Type of Liner= Class B Rip-Rap
FROM -L- STA. 510+00 TO STA. 510+50 RT



FROM -L- STA. 505+00 TO STA. 510+50 RT

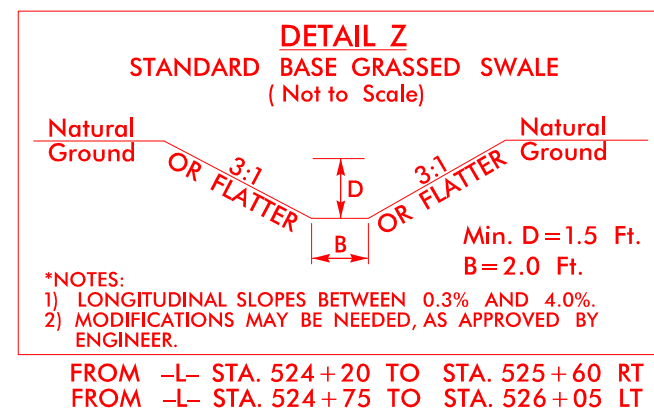


*When B is < 6.0'
Type of Liner= Class B Rip-Rap
FROM -L- STA. 510+50 TO STA. 513+20 RT

FOR -L- PROFILE, SEE SHEET 57 & 58

REVISIONS

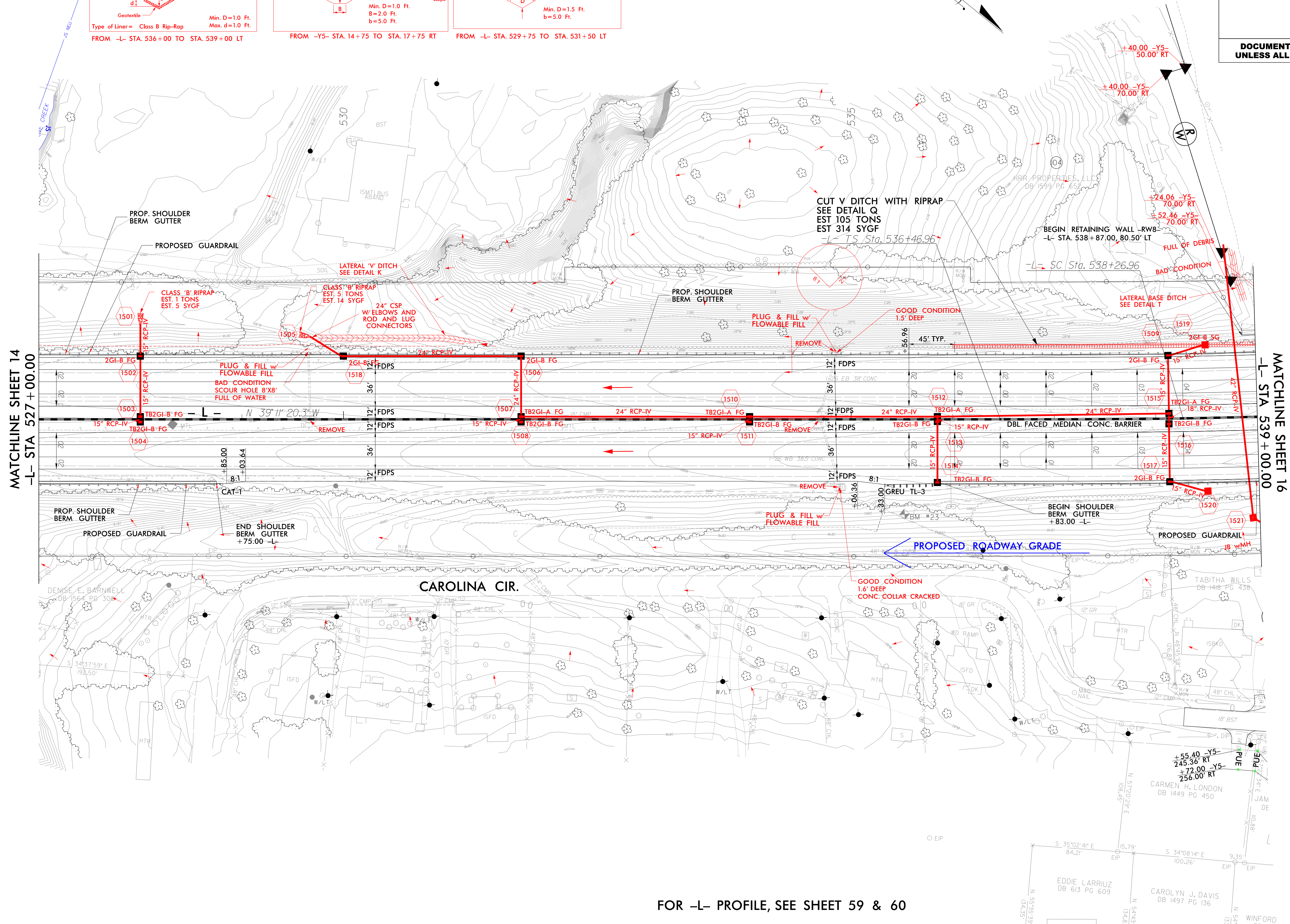
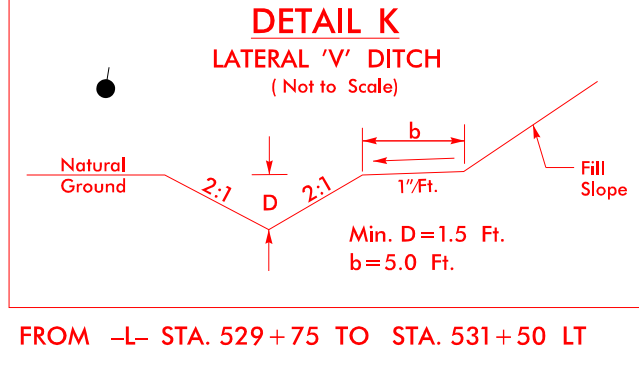
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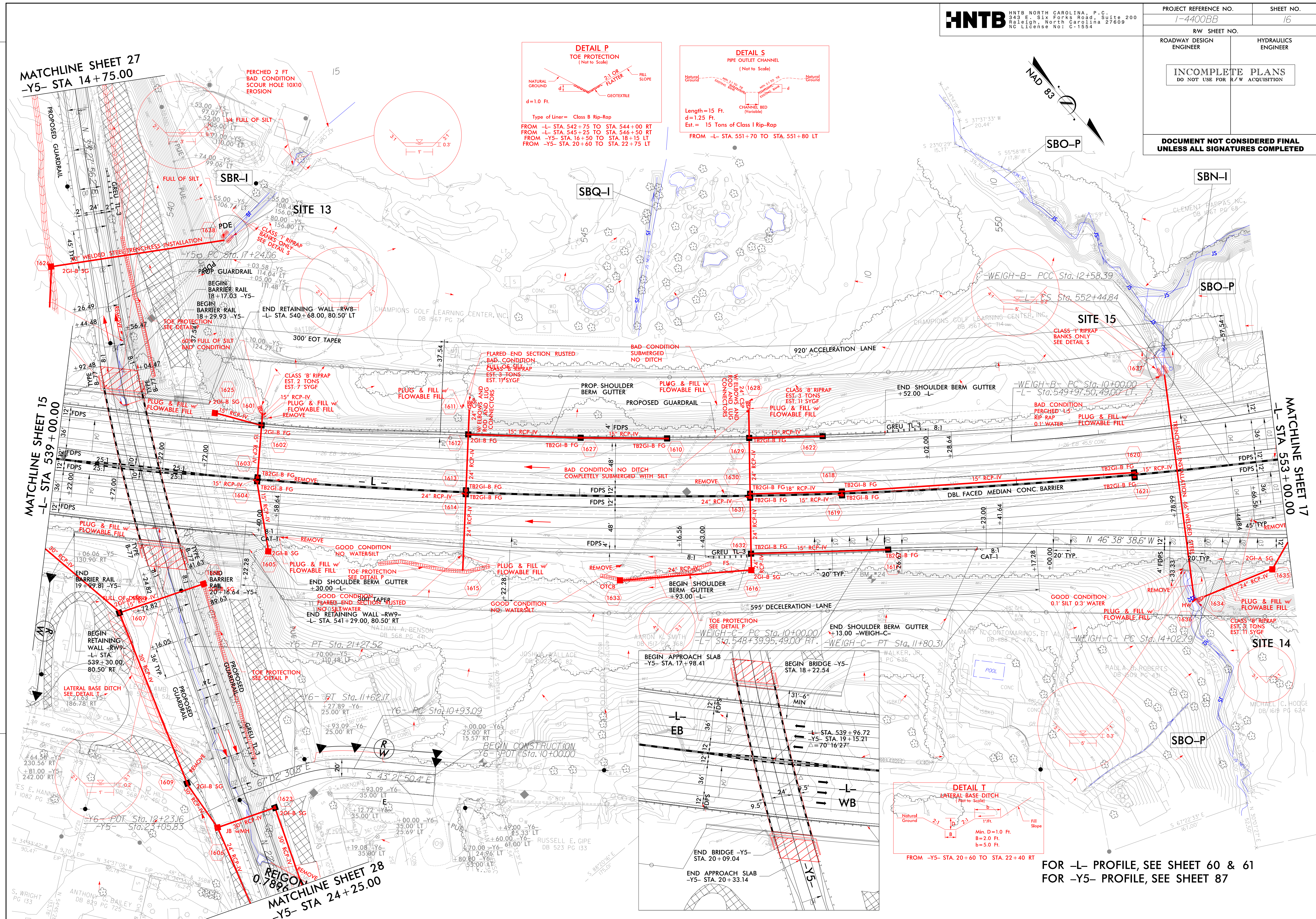
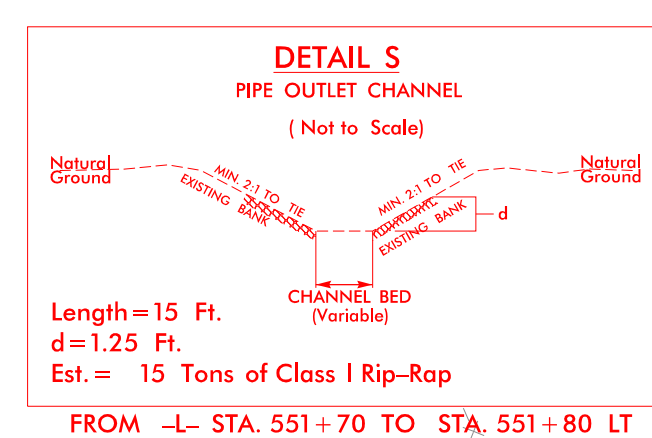



FOR -L- PROFILE, SEE SHEET 59 & 60

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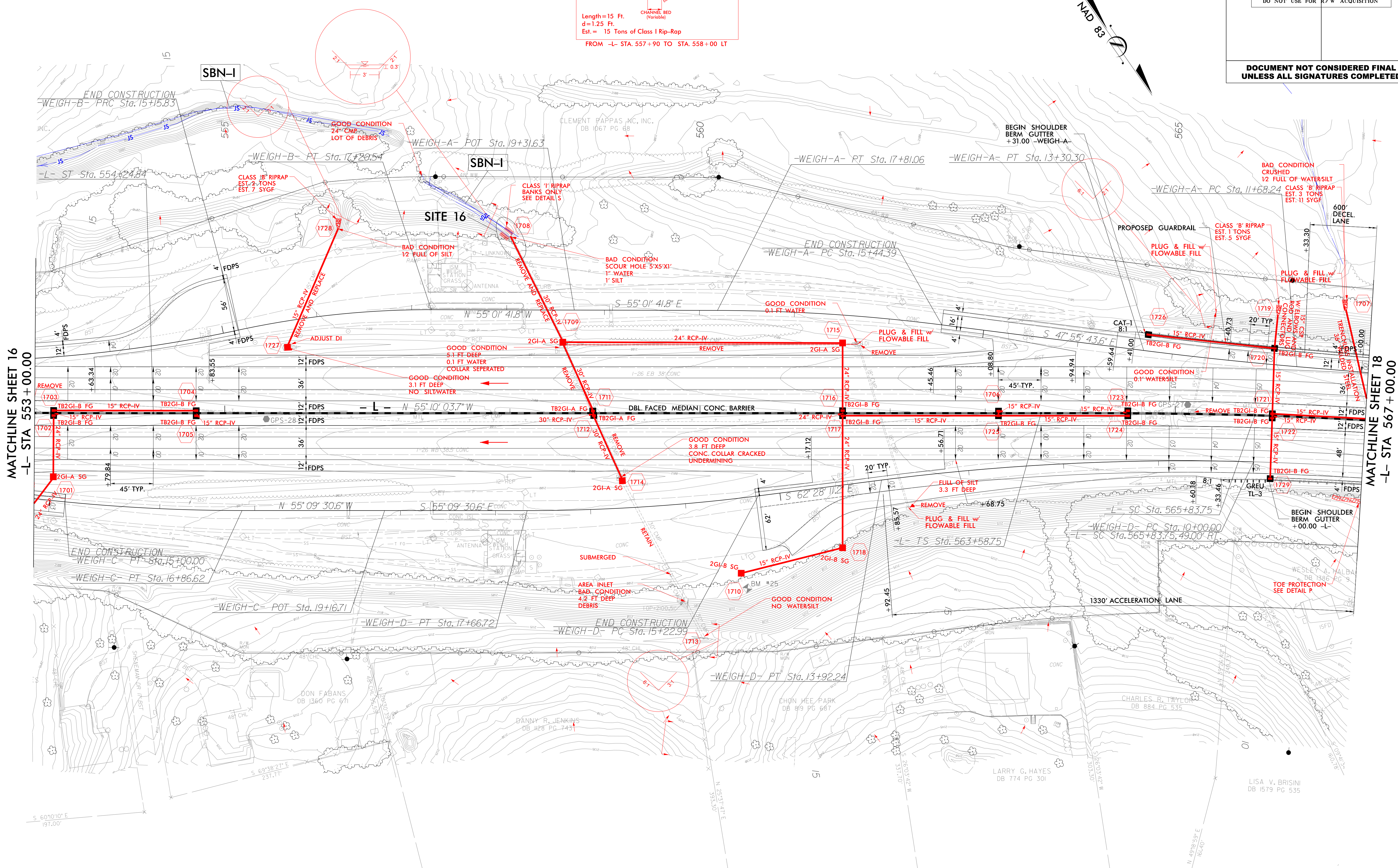
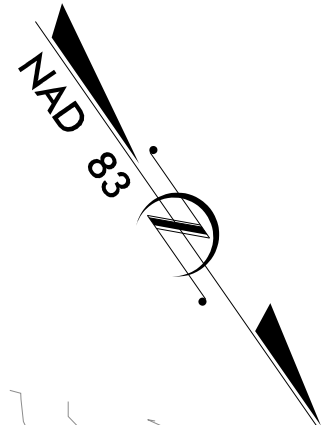
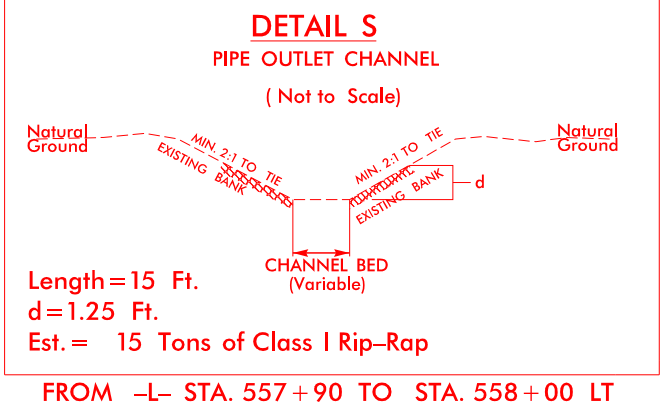
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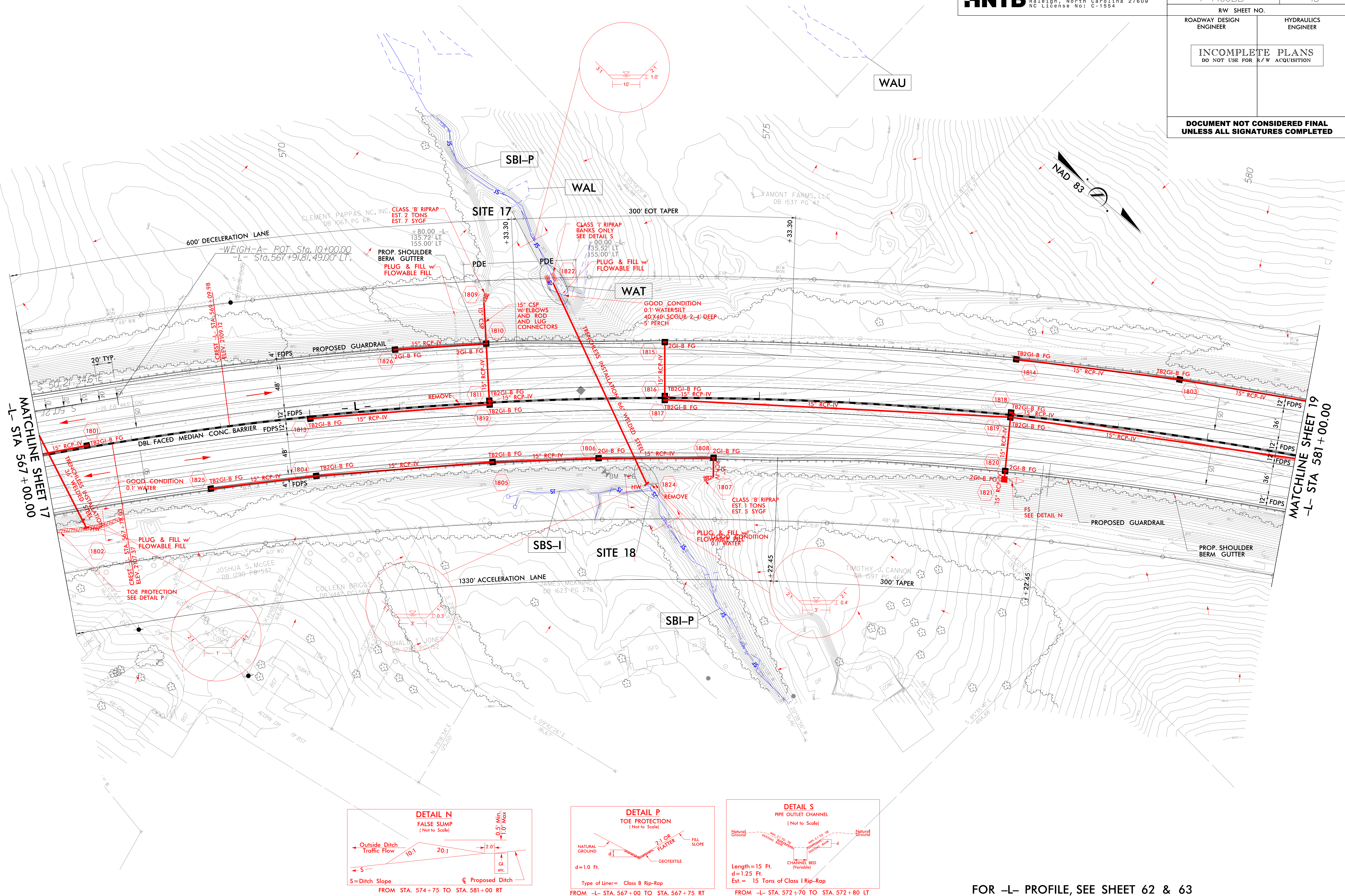


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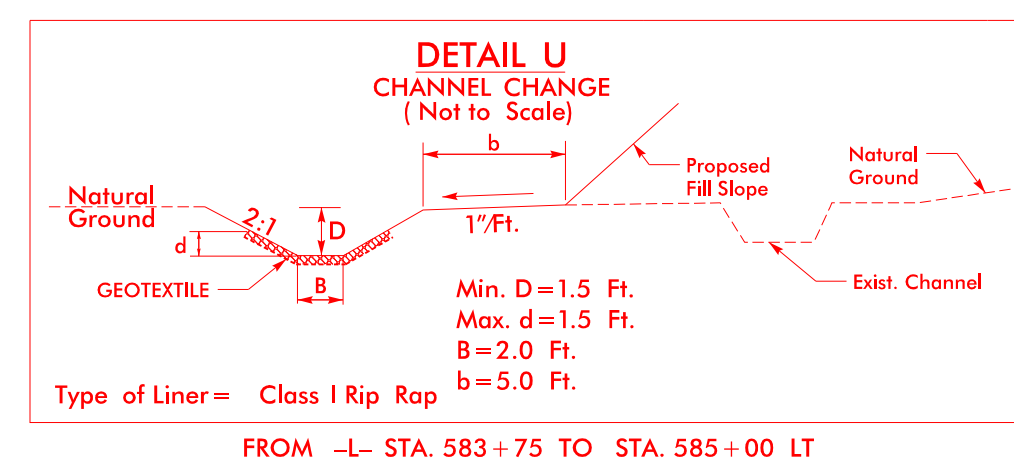
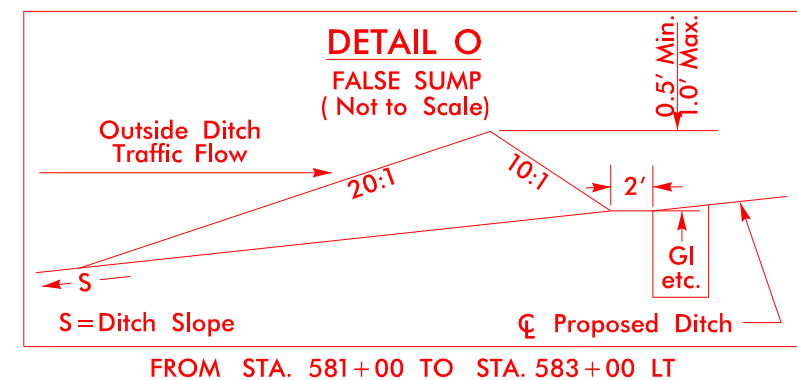
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RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION			
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			



FOR -L- PROFILE, SEE SHEET 61 & 62



FOR -L- PROFILE, SEE SHEET 62 & 63



FOR -L- PROFILE, SEE SHEET 63 & 64

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NC LICENSE NO: C-1554

PROJECT REFERENCE NO.

1-4400BB

SHEET NO.

19

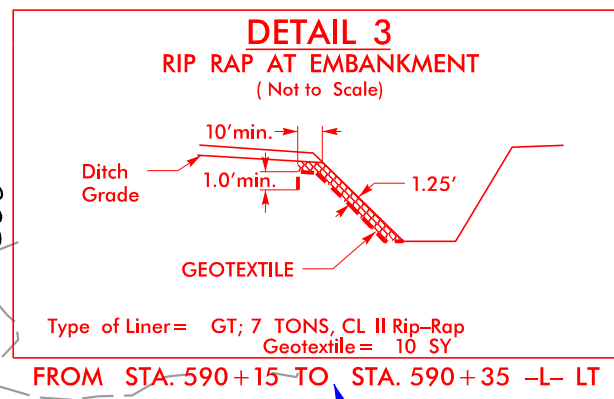
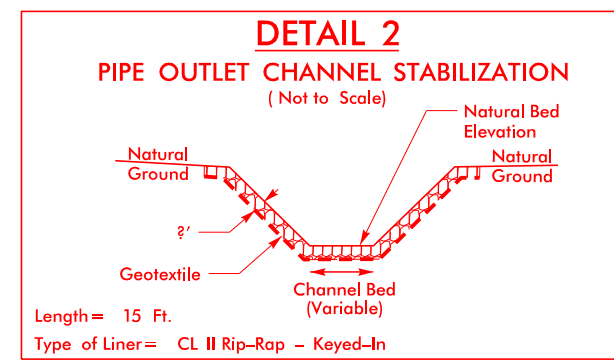
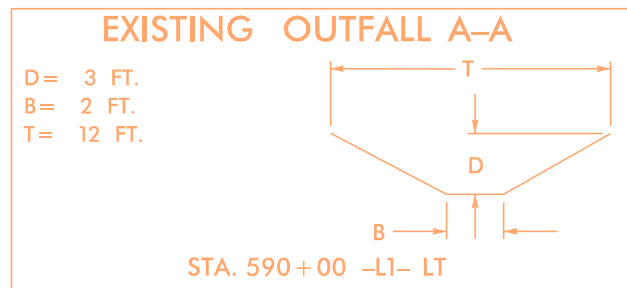
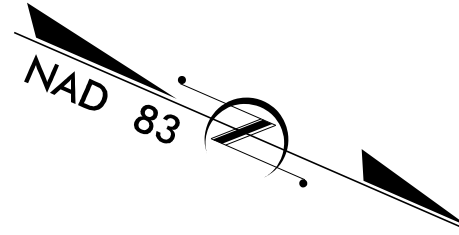
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ROADWAY DESIGN
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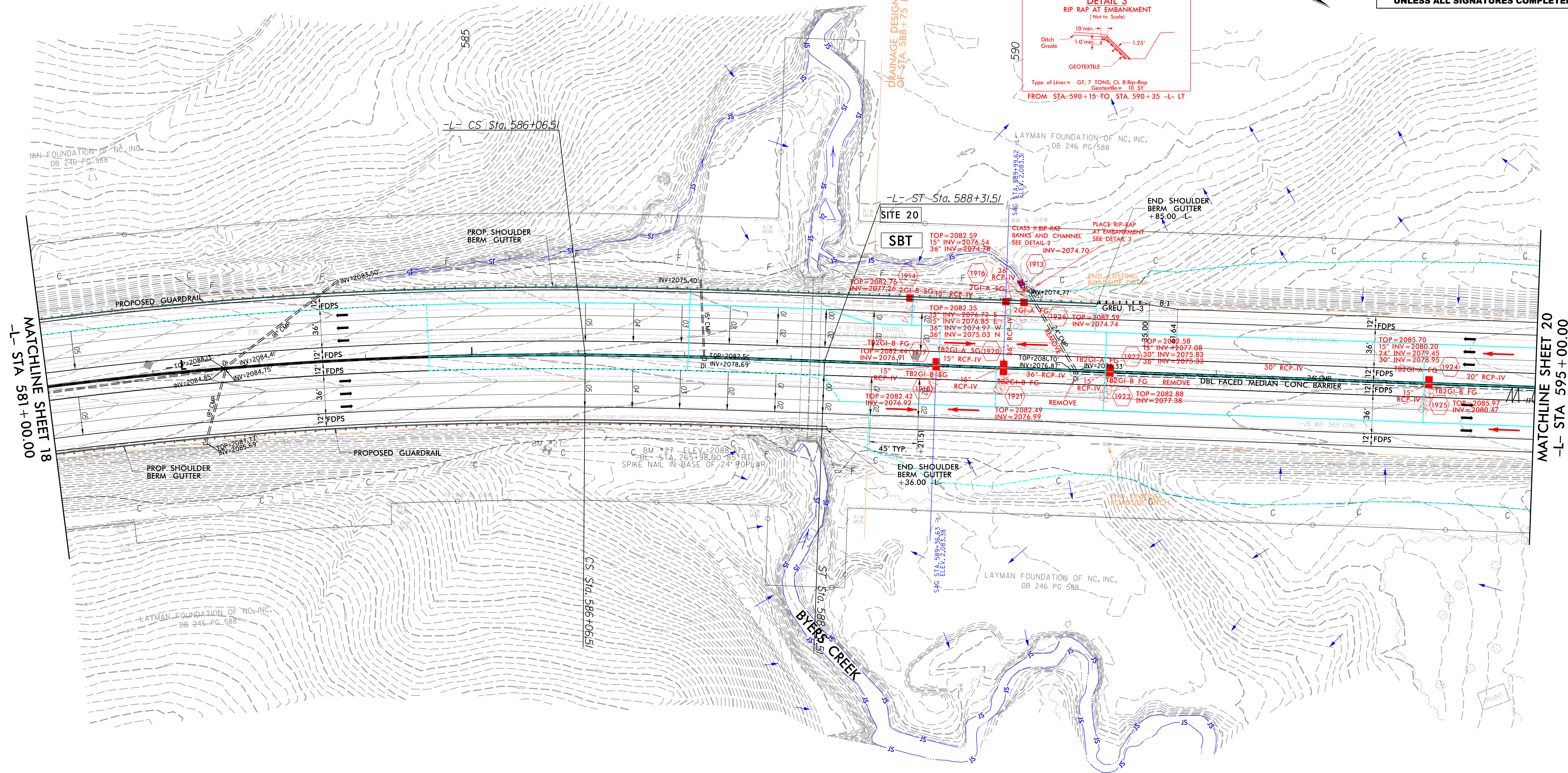
HYDRAULICS
ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

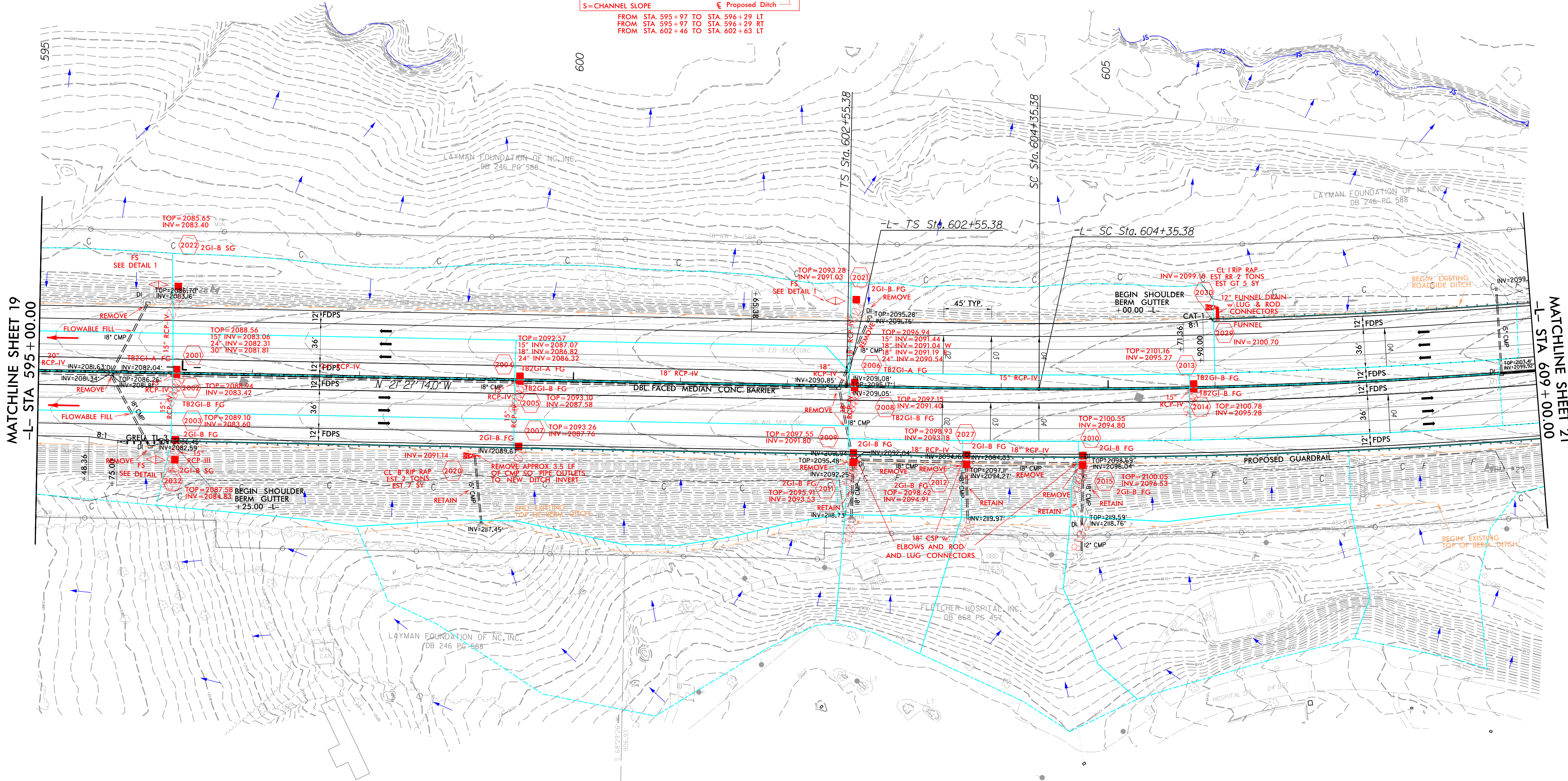
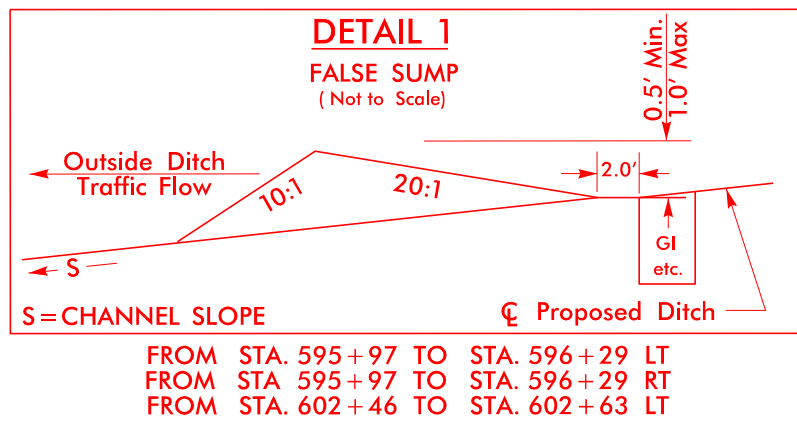
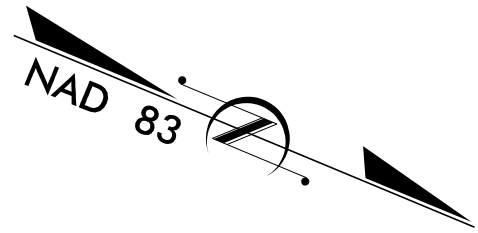


DRAINAGE DESIGN, UPSTATION
OF STA. 588+75 BY OTHERS

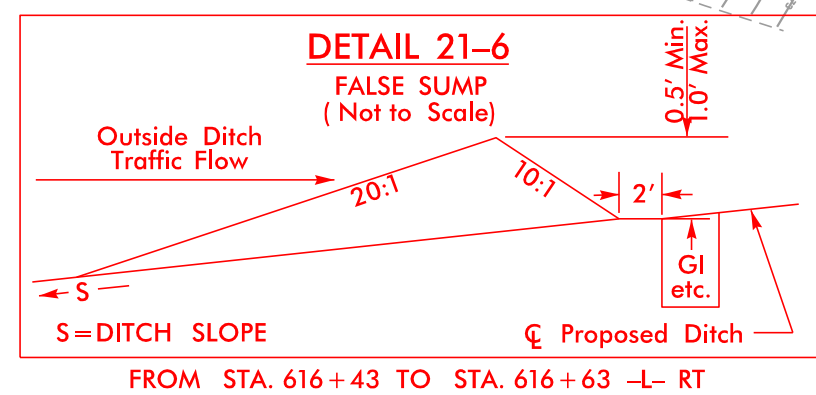
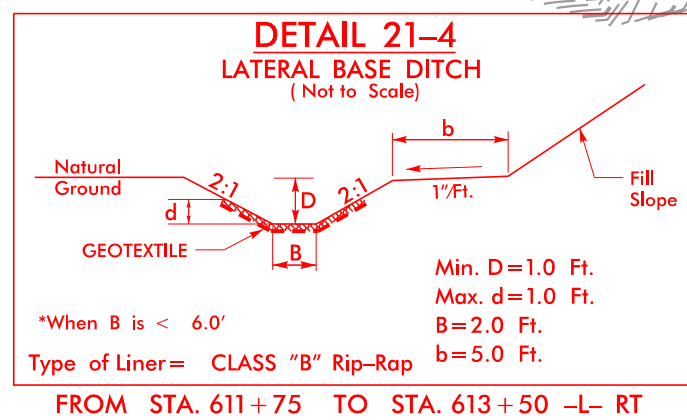
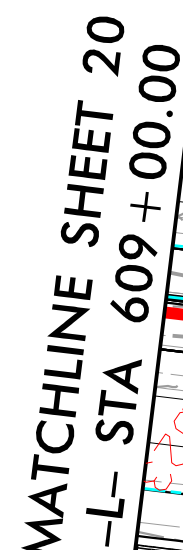
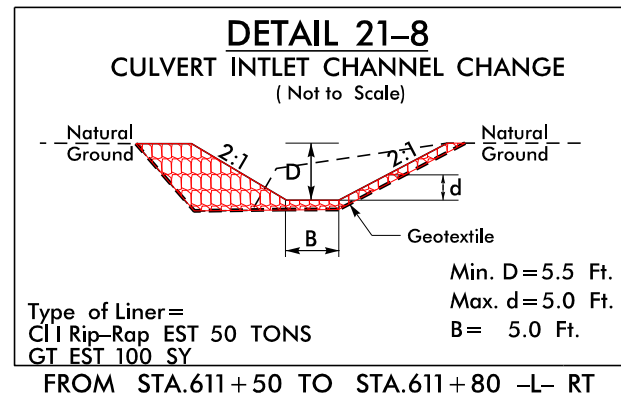
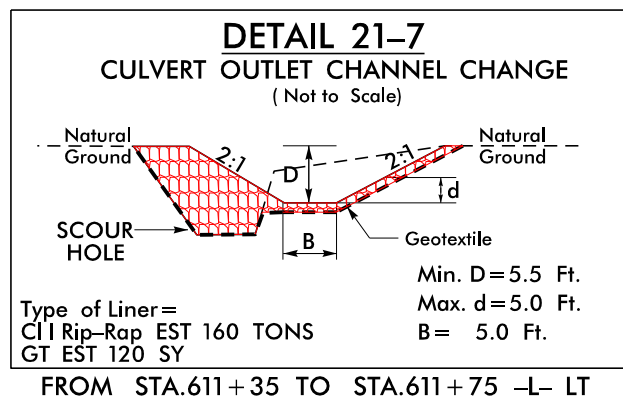


FOR -L- PROFILE, SEE SHEET 63 & 64

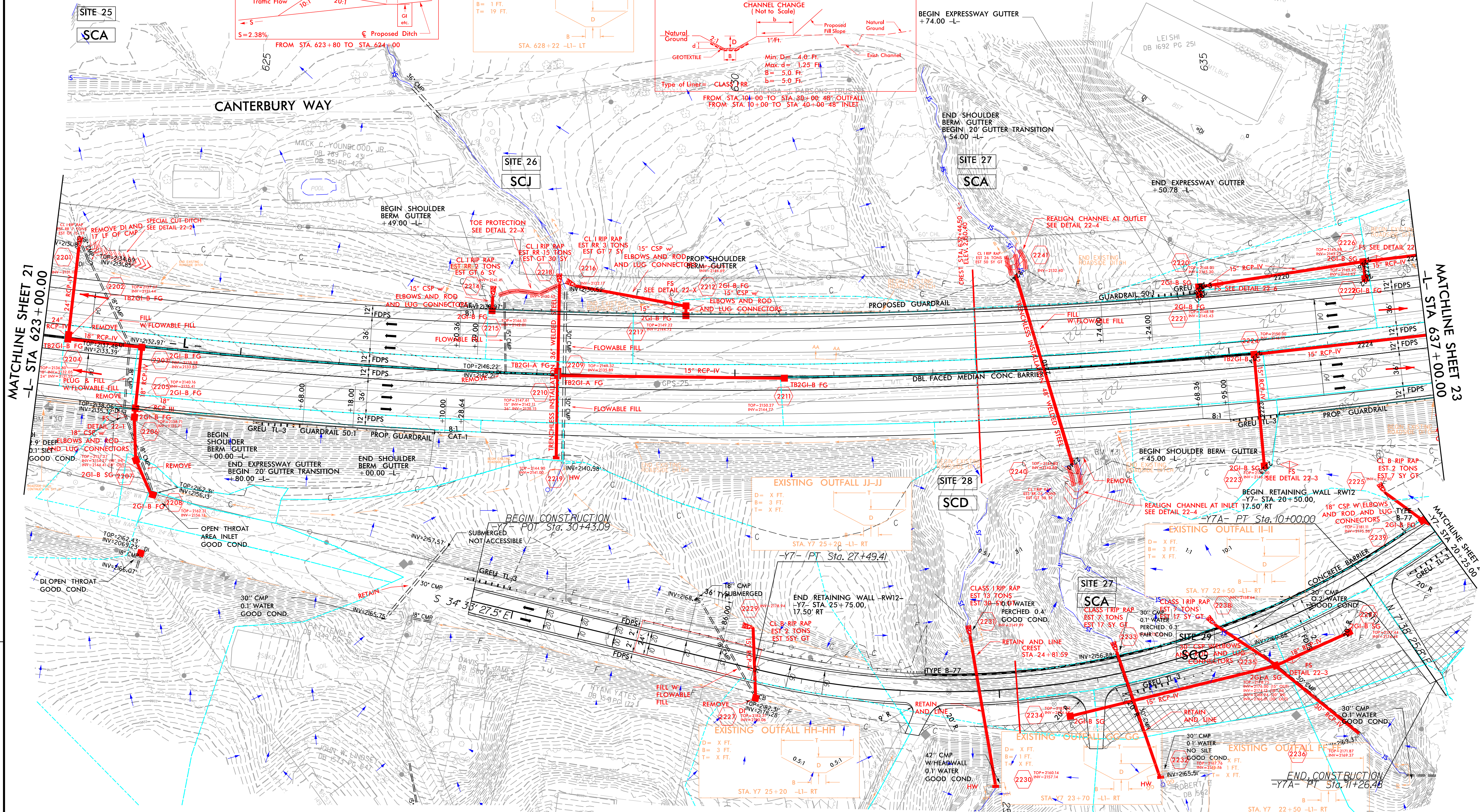
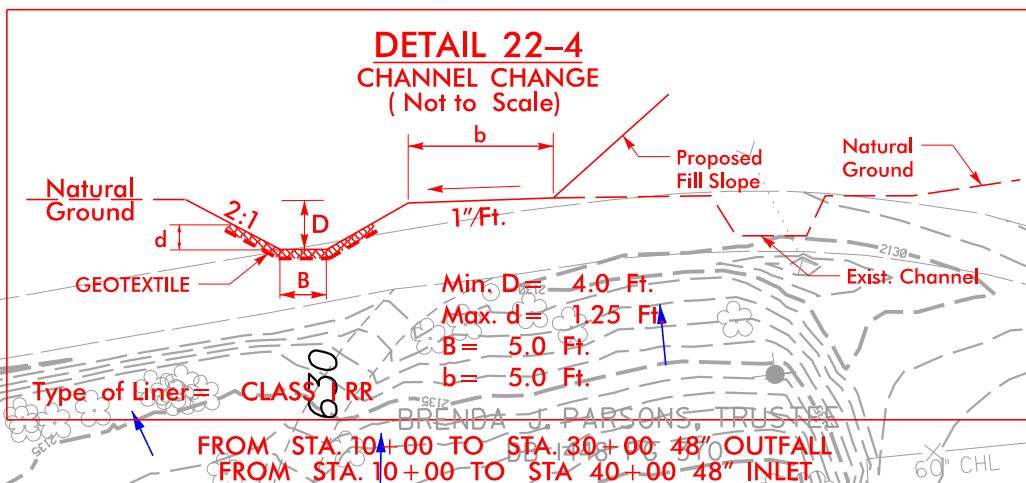
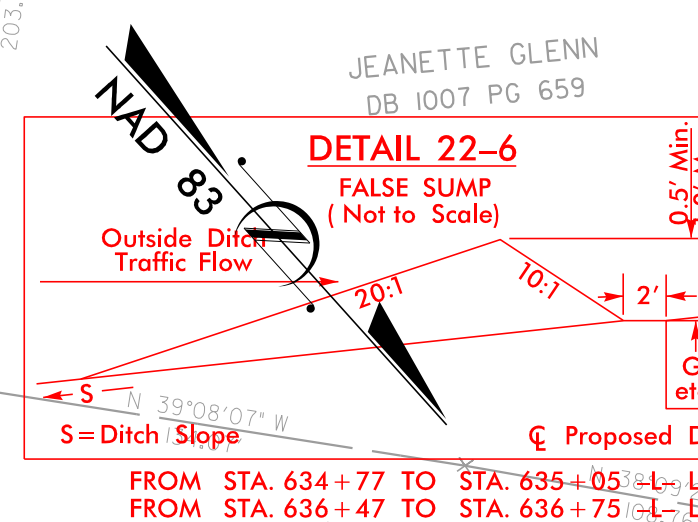
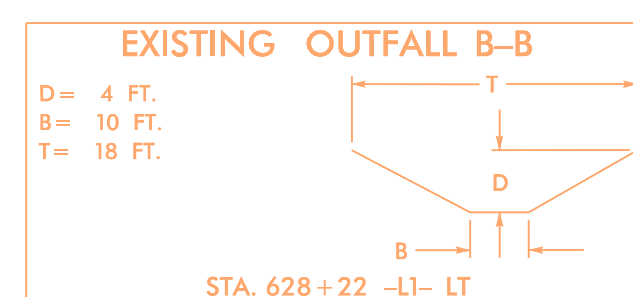
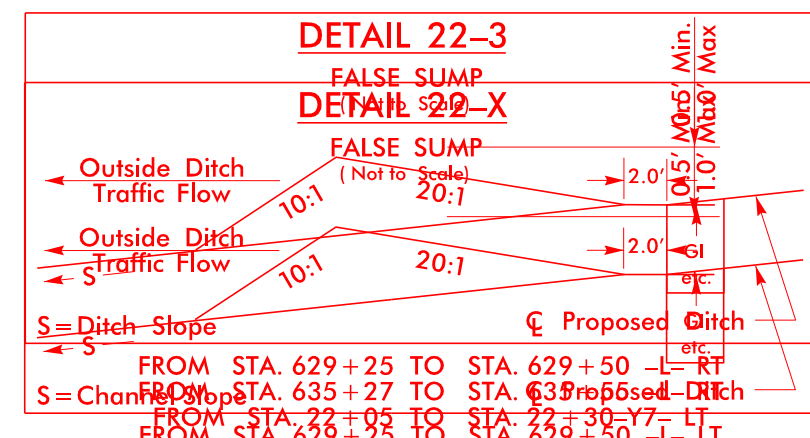
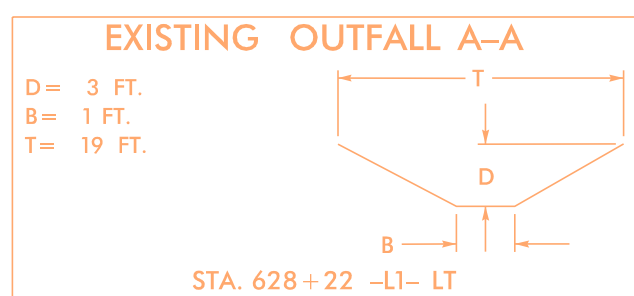
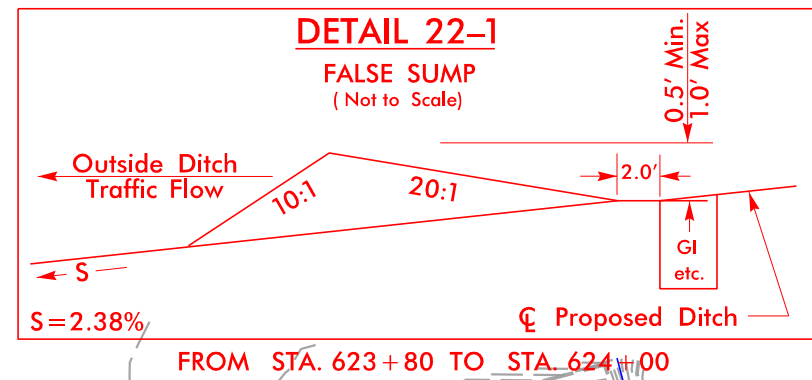
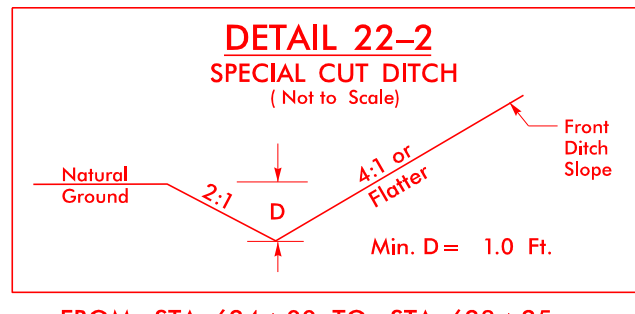
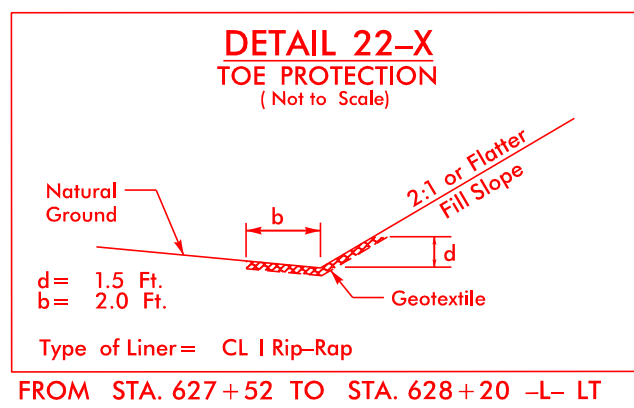
PROJECT REFERENCE NO.		SHEET NO.	
I-4400BB		20	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION			
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			



REVISIONS

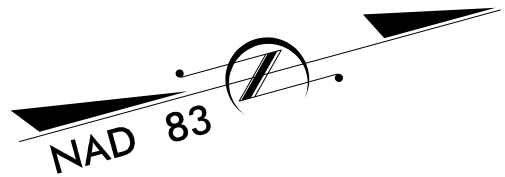
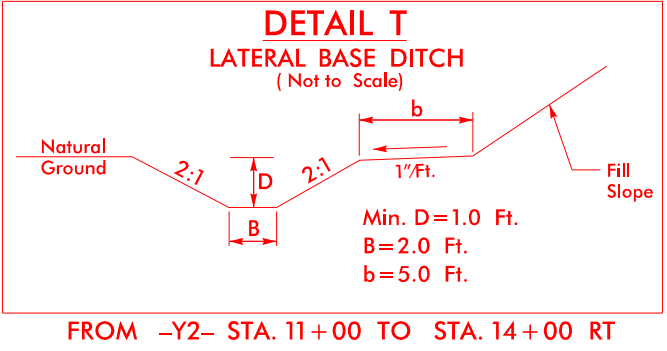
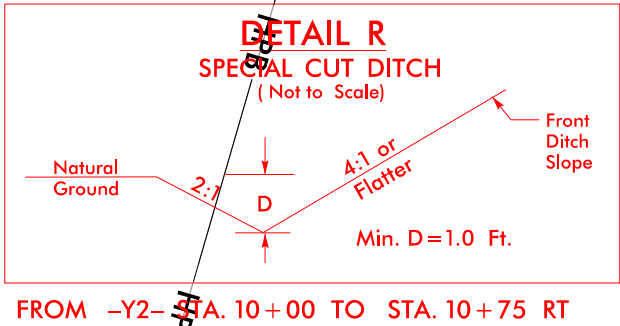


FOR -L- PROFILE, SEE SHEET 65 & 66

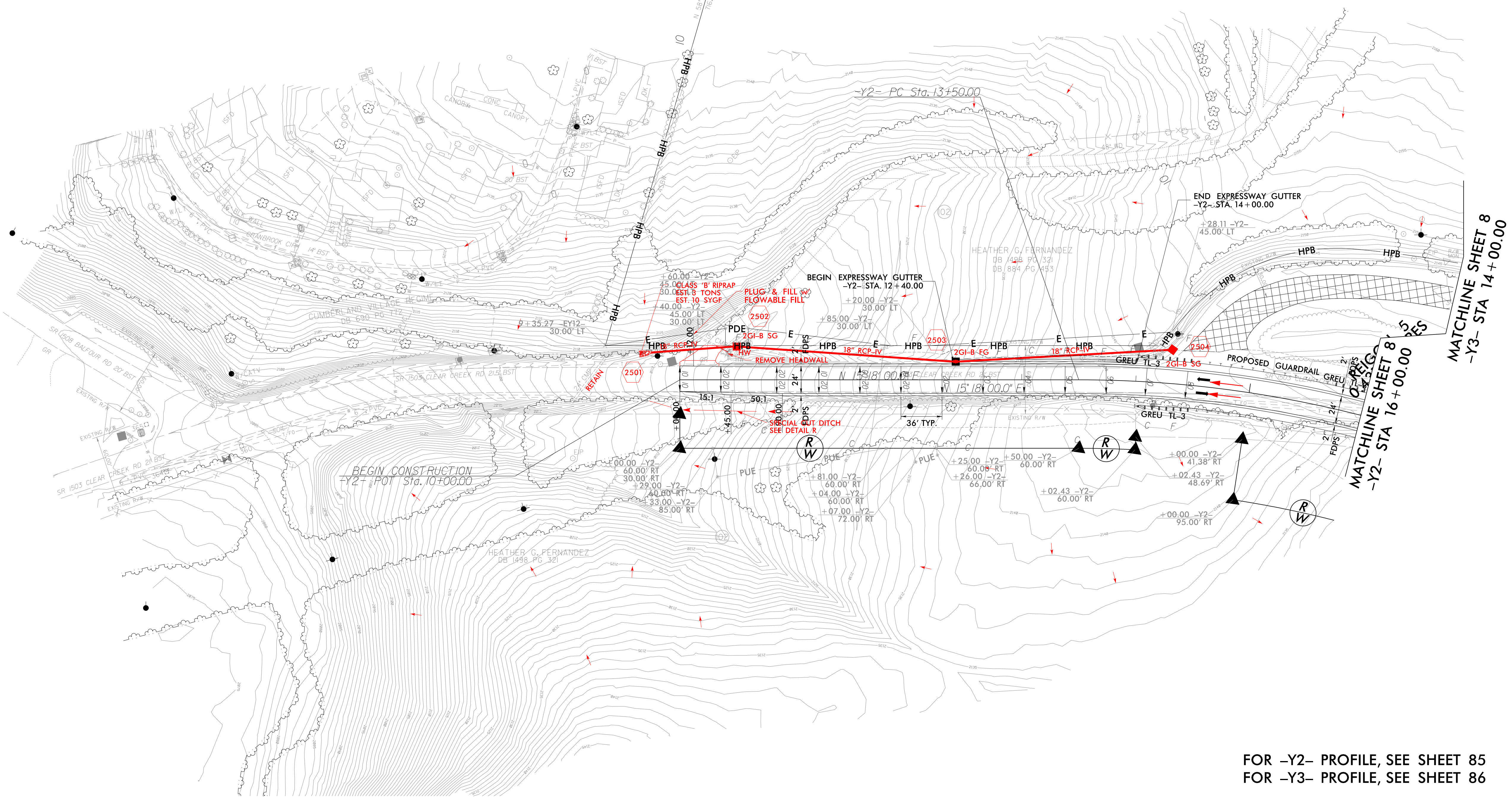


FOR -L- PROFILE, SEE SHEET 66 & 67

PROJECT REFERENCE NO. I-4400BB		SHEET NO. 25	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION			
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

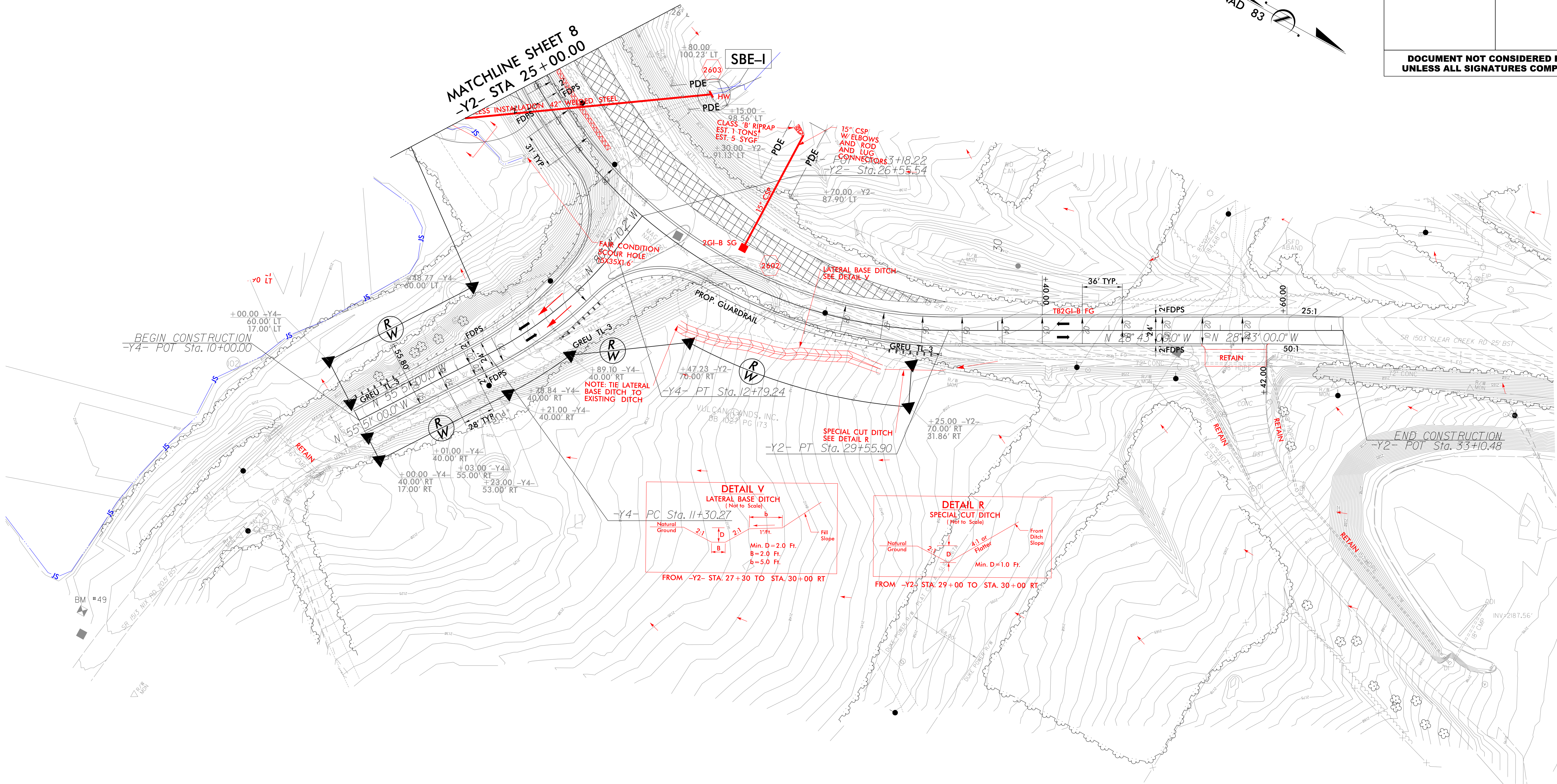
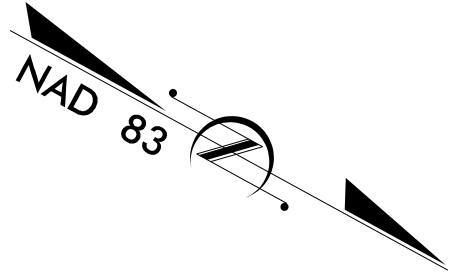


REVISIONS



FOR -Y2- PROFILE, SEE SHEET 85
FOR -Y3- PROFILE, SEE SHEET 86

PROJECT REFERENCE NO. I-4400BB		SHEET NO. 26	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION			
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			



REVISIONS

#####SYTIME#####
#####USERNAME#####
#####SCALE#####
#####ENVIRONMENT#####

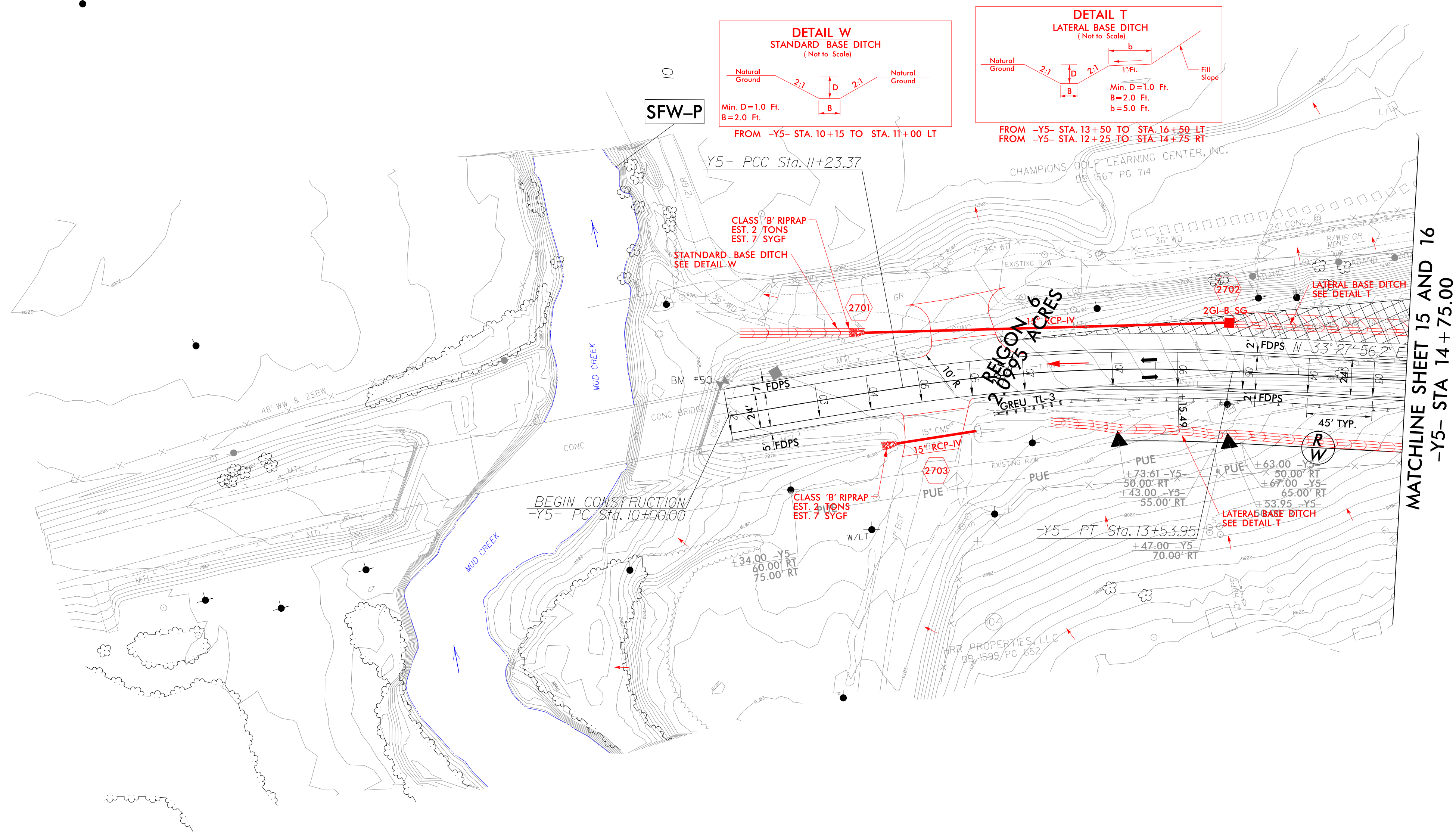
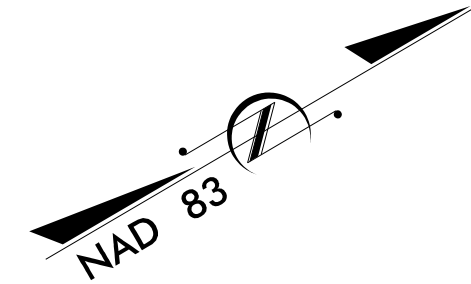
FOR -Y2- PROFILE, SEE SHEET 85
FOR -Y4- PROFILE, SEE SHEET 86

#####SYTIME#####
#####USERNAME#####
##SCALE##
##ENVIRONMENT##

REVISIONS

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PROJECT REFERENCE NO.		SHEET NO.
I-4400BB		27
RW SHEET NO.		
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION		
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		



FOR -Y5- PROFILE, SEE SHEET 87

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Raleigh, North Carolina 27609
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PROJECT REFERENCE NO.

I-4400BB

SHEET NO.

28

RW SHEET NO.

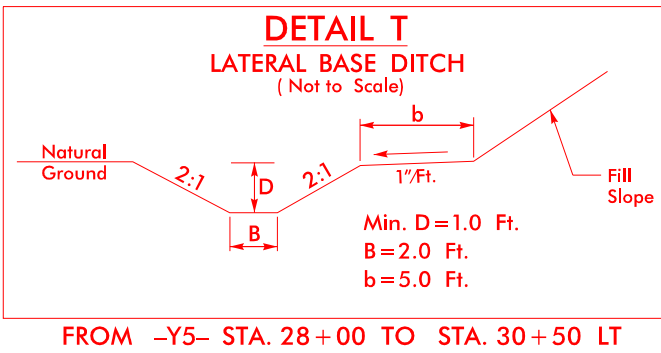
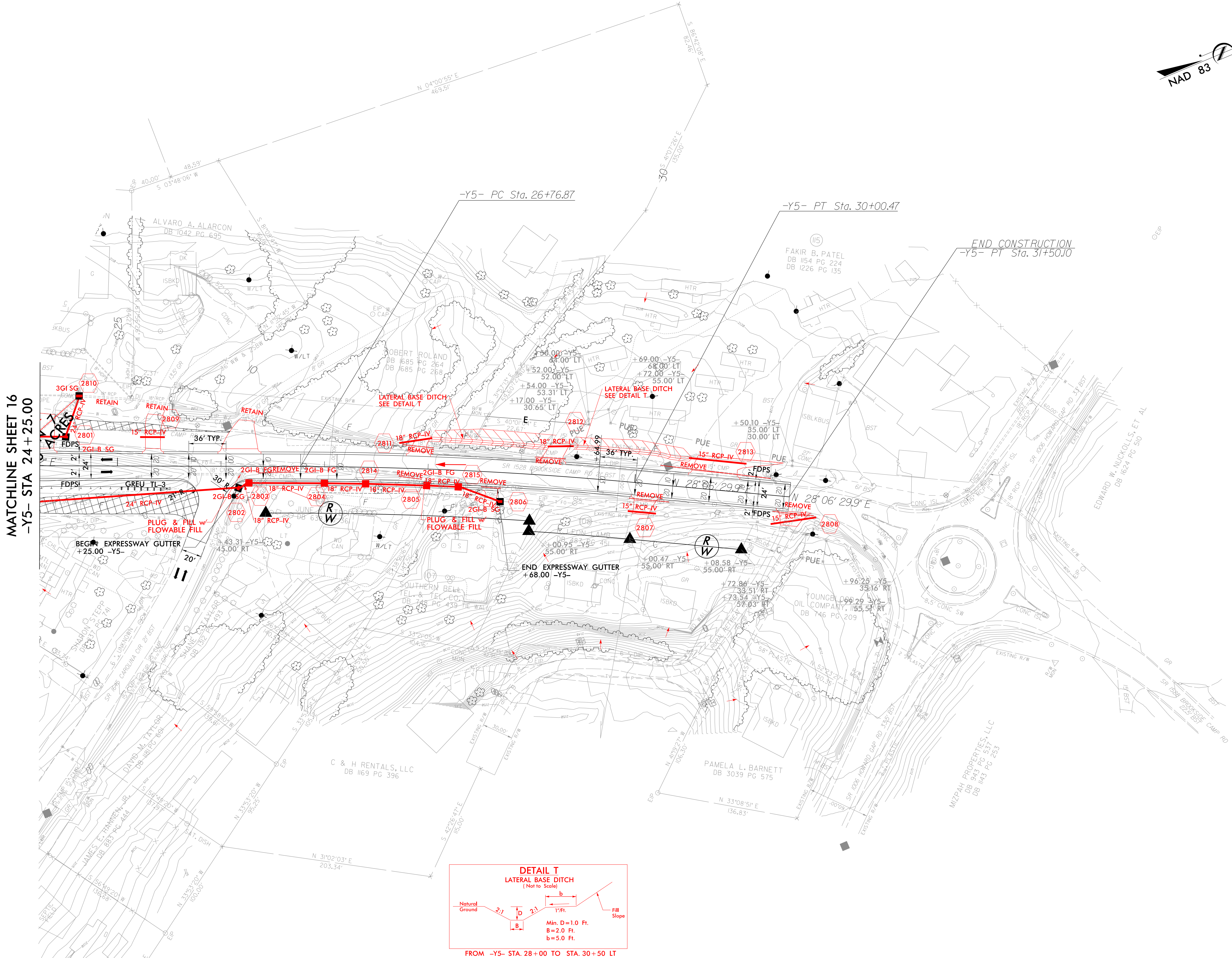
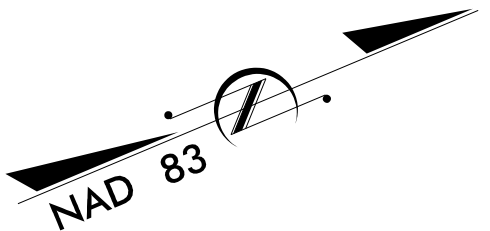
ROADWAY DESIGN
ENGINEER

HYDRAULICS
ENGINEER

INCOMPLETE PLANS

DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



FOR -Y5- PROFILE, SEE SHEET 87