

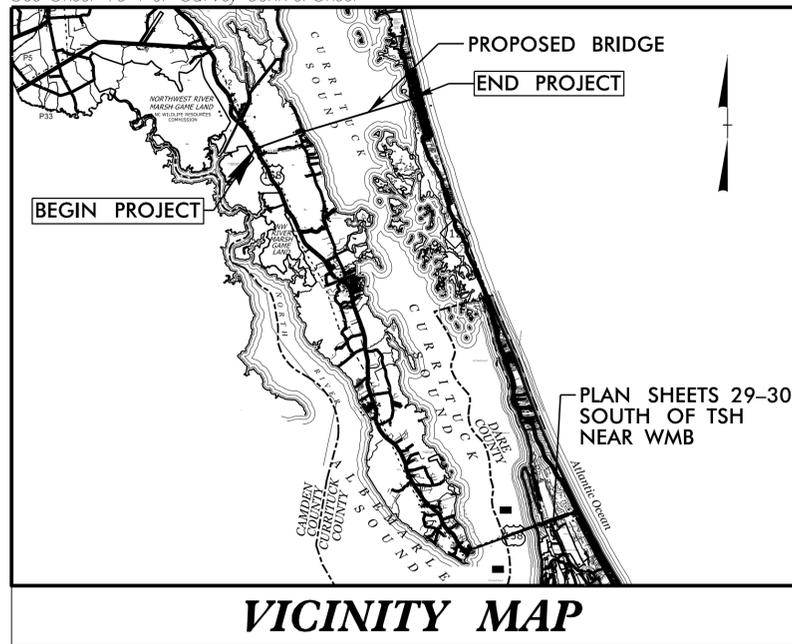
09/28/2019

See Sheet 1A For Index of Sheets
See Sheet 1B For Conventional Symbols
See Sheet 1C For Survey Control Sheet

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-2576	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
34470.1.TA1	BRSTP-000(494)	P.E.	

TIP PROJECT: R-2576



VICINITY MAP

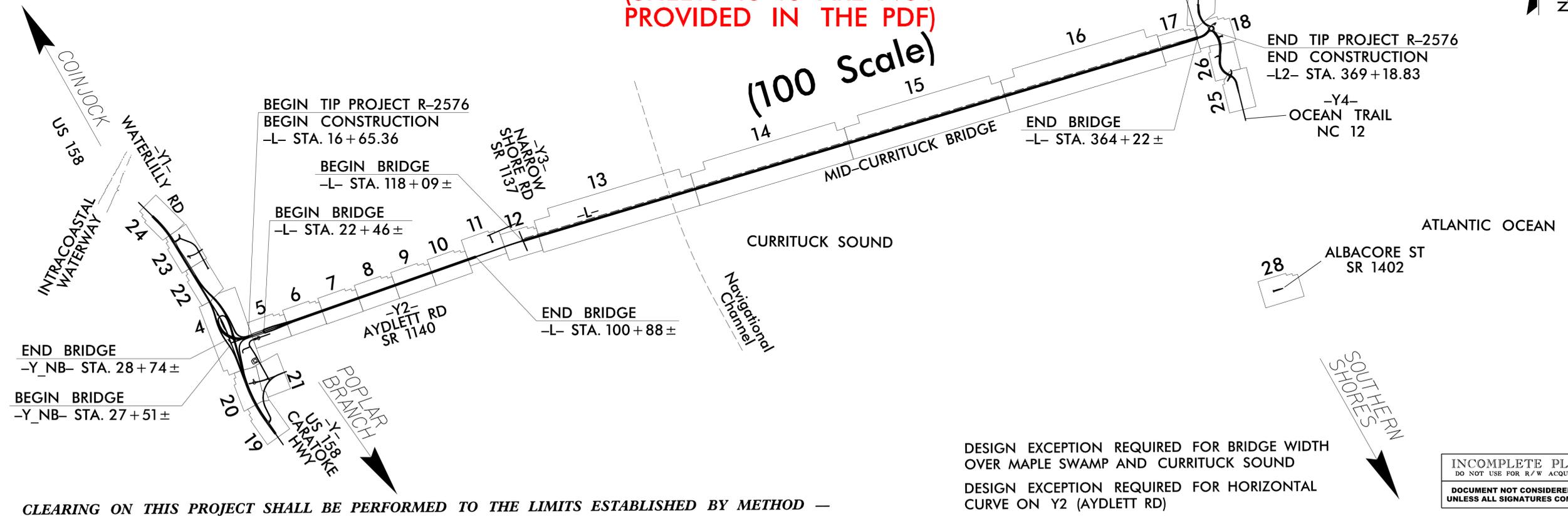
25% PLANS

LOCATION: MID-CURRITUCK BRIDGE FROM US 158 SOUTH OF COINJOCK
TO NC 12 SOUTH OF COROLLA

TYPE OF WORK: GRADING, DRAINAGE, PAVING, AND
STRUCTURES

4B PLANS
(SHEETS 13-16 ARE NOT
PROVIDED IN THE PDF)

-L- POT Sta. 364 + 34.00(LB) =
-L2- POT Sta. 364 + 34.00(LA)

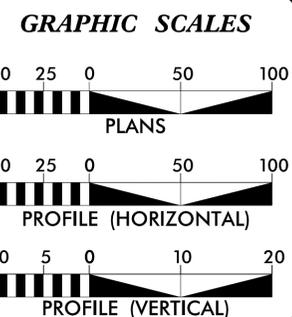


DESIGN EXCEPTION REQUIRED FOR BRIDGE WIDTH
OVER MAPLE SWAMP AND CURRITUCK SOUND
DESIGN EXCEPTION REQUIRED FOR HORIZONTAL
CURVE ON Y2 (AYDLETT RD)

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

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

CONTRACT:



DESIGN DATA

ADT 2020 =	11,800
ADT 2040 =	18,000
K =	9 %
D =	60 %
T =	5 % *
V =	60 MPH
* (TTST=1) + (DUAL=2) + (RV=2)	
FUNC CLASS =	ARTERIAL STATEWIDE TIER

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT R-2576	= 0.524 Miles
LENGTH STRUCTURES	= 6.153 Miles
TOTAL LENGTH TIP PROJECT R-2576	= 6.677 Miles

Prepared in the Office of:

LOCHNER
H. W. LOCHNER, INC.
2840 PLAZA PLACE, SUITE 202
RALEIGH, NC 27612
(919) 571-7111

1223 Jones Franklin Rd.
Raleigh, N.C. 27606
License No. F-03377
Bus: 919 851 8077
Fax: 919 851 8100

2018 STANDARD SPECIFICATIONS

BRIAN K. EASON, PE
PROJECT ENGINEER

CHRISTINA L. YOKELEY, PE
PROJECT DESIGN ENGINEER

DENNIS JERNIGAN, PE
NCDOT / NCTA

RIGHT OF WAY DATE:
FY 2020

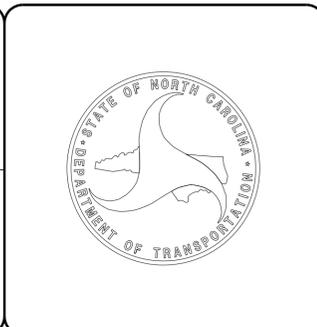
LETTING DATE:
FY 2020

HYDRAULICS ENGINEER

SIGNATURE: _____ P.E.

ROADWAY DESIGN ENGINEER

SIGNATURE: _____ P.E.



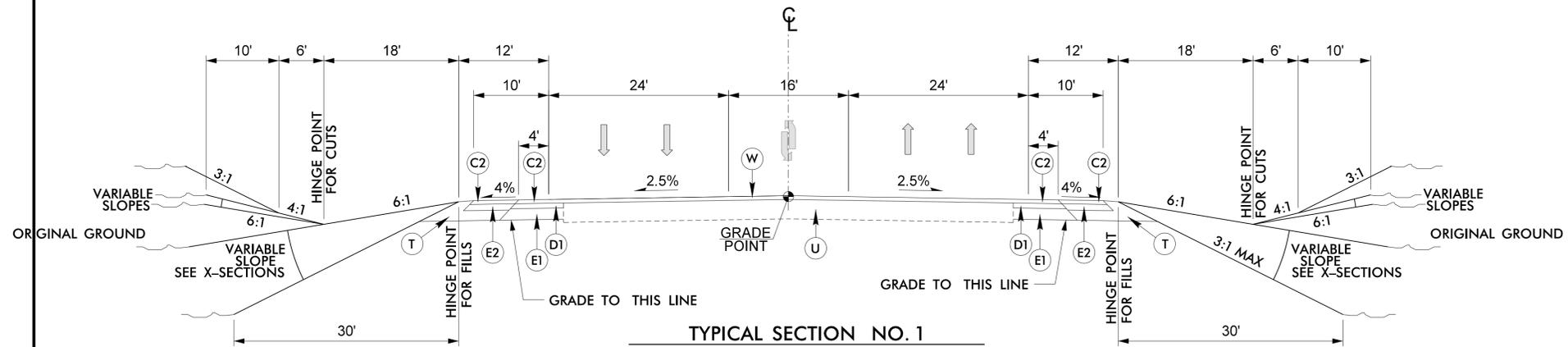
8/7/2019
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USER: Tdavis

PAVEMENT SCHEDULE (PAVEMENT DESIGN PENDING)

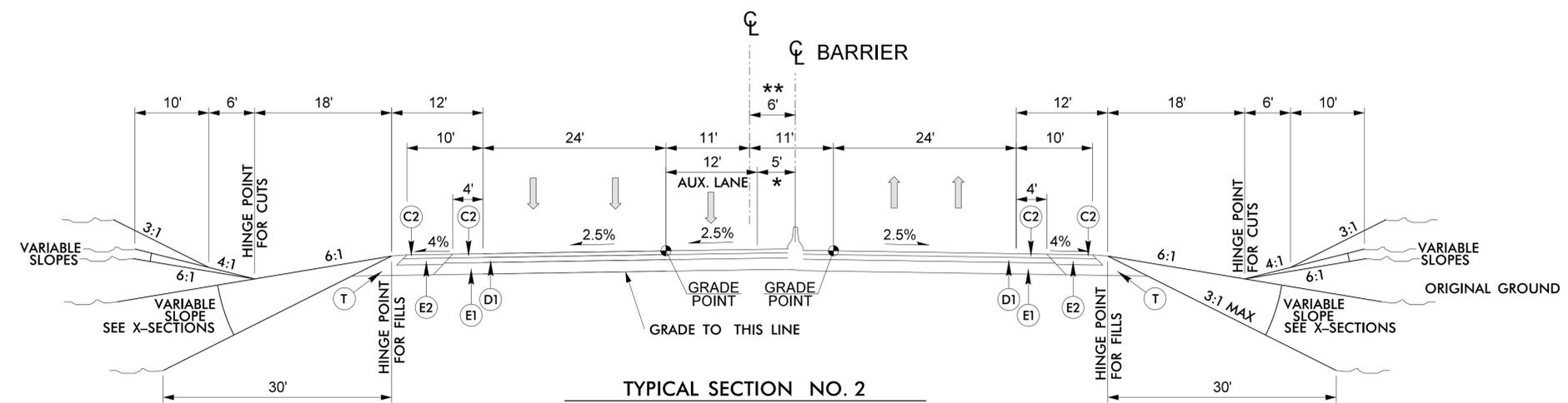
PROJECT REFERENCE NO. <i>R-2576</i>	SHEET NO. <i>2A-1</i>
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

A	12" PORTLAND CEMENT CONCRETE PAVEMENT (WITH DOWELS)	E1	PROP. APPROX. 7" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 798 LBS. PER SQ. YD.	R2	2'-6" CONCRETE CURB AND GUTTER.
C1	PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF THE TWO LAYERS	E2	PROP. APPROX. 8" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 912 LBS. PER SQ. YD.	R3	8"x18" CONCRETE CURB
C2	PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF THE TWO LAYERS	E3	PROP. APPROX. 4" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.	R4	7" JOINTED CONCRETE PAVEMENT REINFORCED WITH WIRE MESH 4x4 W3.5xW3.5
C3	PROP. APPROX. 1" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 112 LBS. PER SQ. YD.	E4	PROP. VAR. DEPTH ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 114 LBS PER SQ YD PER 1" DEPTH TO BE PLACED IN LAYERS NOT LESS THAN 3" IN DEPTH OR GREATER THAN 5 1/2" IN DEPTH.	R5	5" MONOLITHIC CONCRETE ISLAND
C4	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.	J1	PROP. 10" AGGREGATE BASE COURSE.	T	EARTH MATERIAL.
C5	PROP. VAR. DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS PER SQ YD PER 1" DEPTH TO BE PLACED IN LAYERS NOT TO EXCEED 1 1/2" IN DEPTH	J2	PROP. 11.5" AGGREGATE BASE COURSE.	U	EXISTING PAVEMENT.
C6	PROP. VAR. DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 110 LBS PER SQ YD PER 1" DEPTH TO BE PLACED IN LAYERS NOT TO EXCEED 1 1/2" IN DEPTH	J3	PROP. 6" AGGREGATE BASE COURSE.	V	MILLING (VARIABLE DEPTH)
D1	PROP. APPROX. 4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.	J4	PROP. 11" AGGREGATE BASE COURSE.	W	VARIABLE DEPTH ASPHALT PAVEMENT (SEE STANDARD WEDGING DETAIL)
D2	PROP. VAR. DEPTH ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 114 LBS PER SQ YD PER 1" DEPTH TO BE PLACED IN LAYERS NOT LESS THAN 2 1/2" IN DEPTH OR GREATER THAN 4" IN DEPTH.	R1	1'-6" CONCRETE CURB AND GUTTER.	X	PROP. APPROX. 3" PERMEABLE ASPHALT DRAINAGE LAYER, TYPE P-57, AT AN AVERAGE RATE OF XXX LBS. PER SQ. YD.

NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE

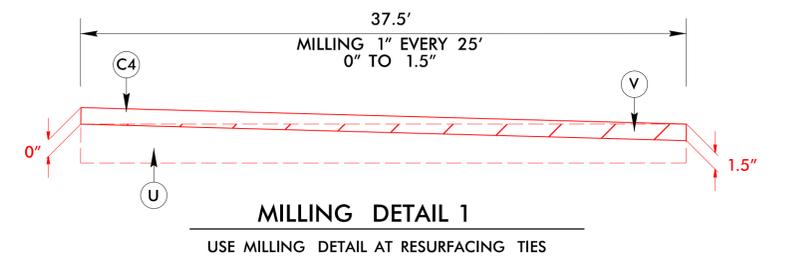


-Y- (US 158) STA. 14+75.00 TO 19+37.13
 -Y- (US 158) STA. 89+00.00 TO 102+50.00

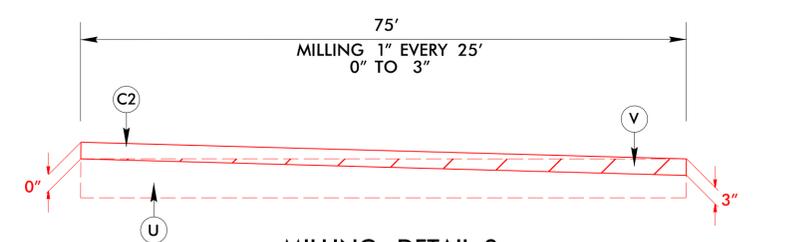


-Y- (US 158) STA. 19+37.13 TO 33+39.23

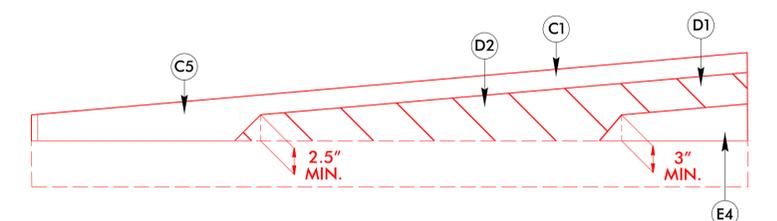
* 6' FROM -Y- STA. 25+00.00 TO 33+39.23
 ** 7' FROM -Y- STA. 25+00.00 TO 33+39.23



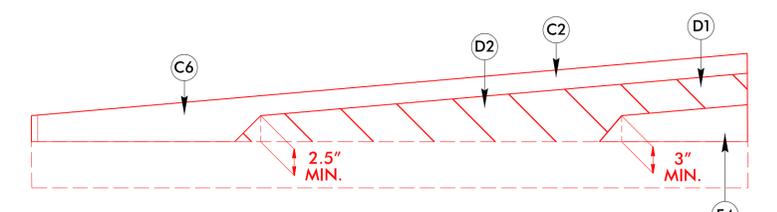
MILLING DETAIL 1
 USE MILLING DETAIL AT RESURFACING TIES



MILLING DETAIL 2
 USE MILLING DETAIL AT RESURFACING TIES

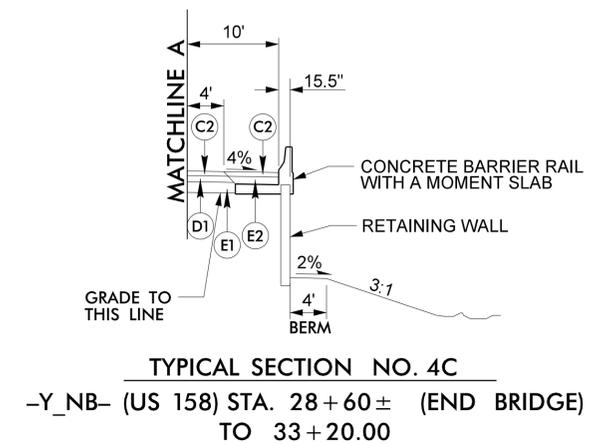
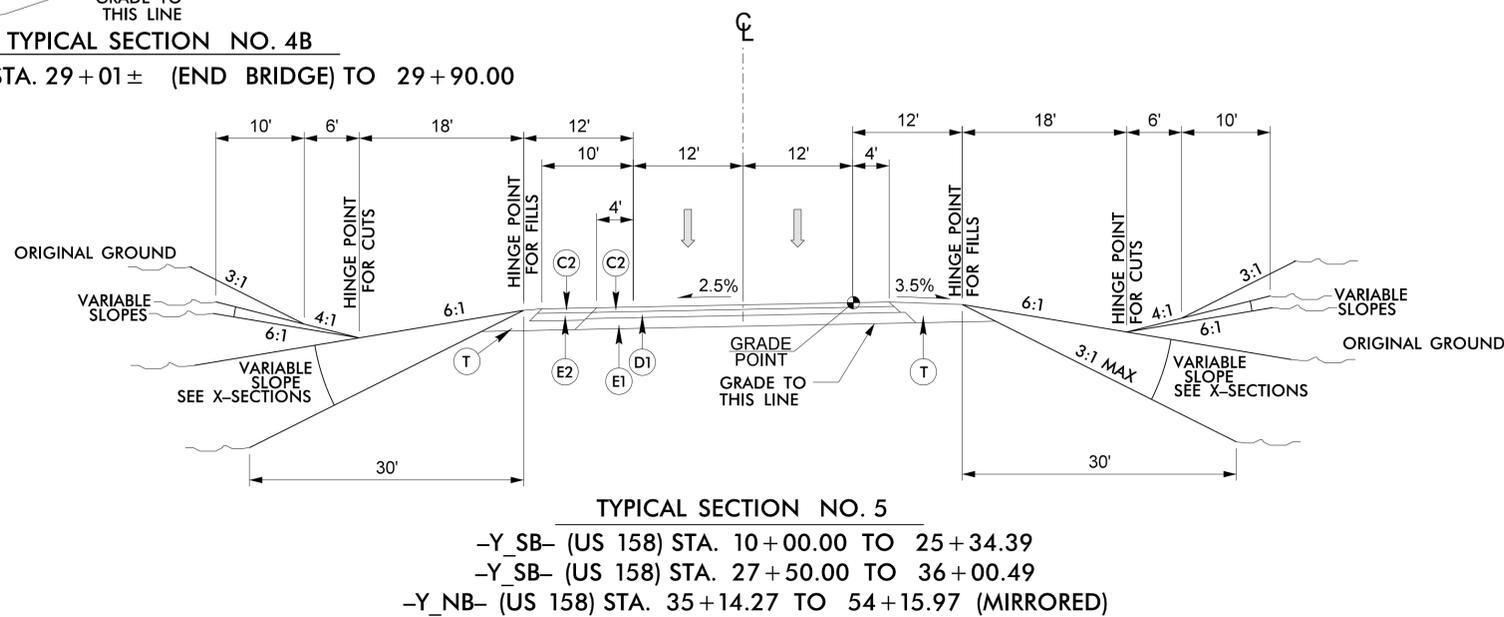
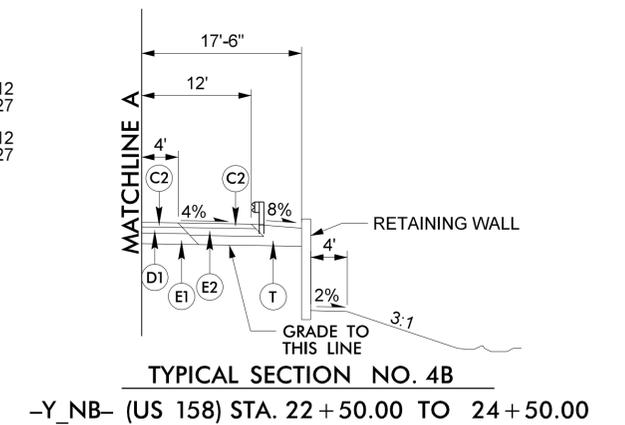
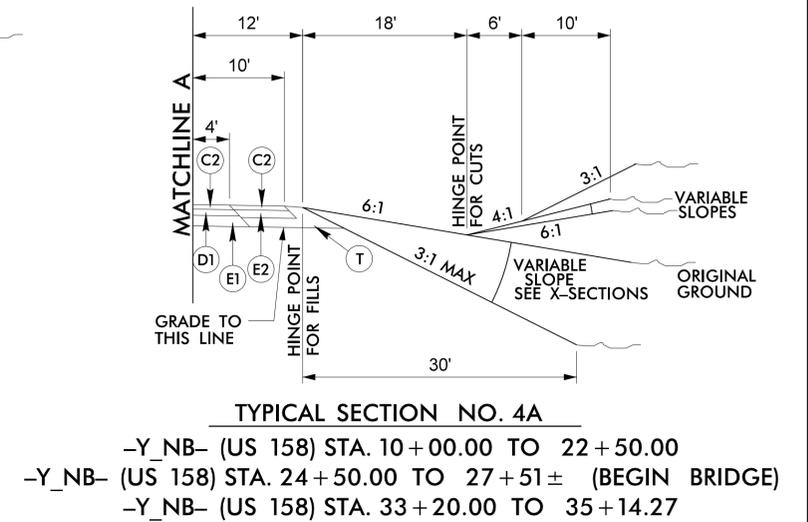
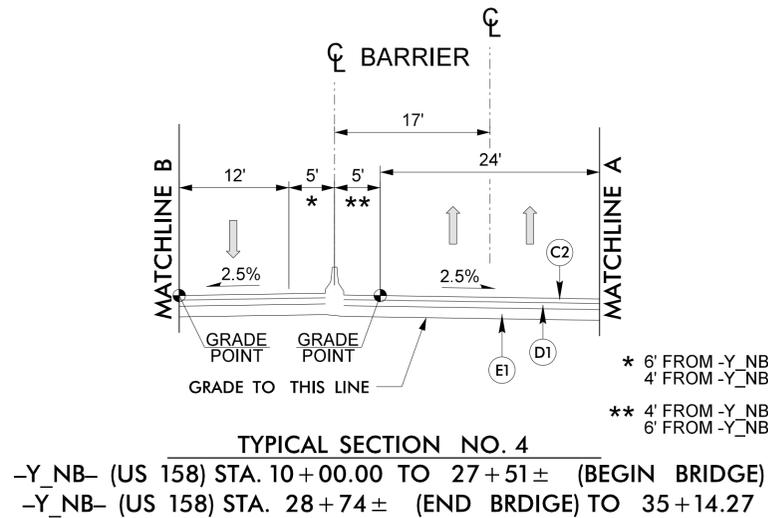
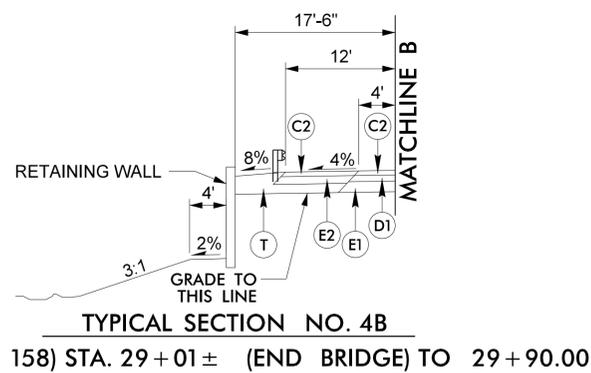
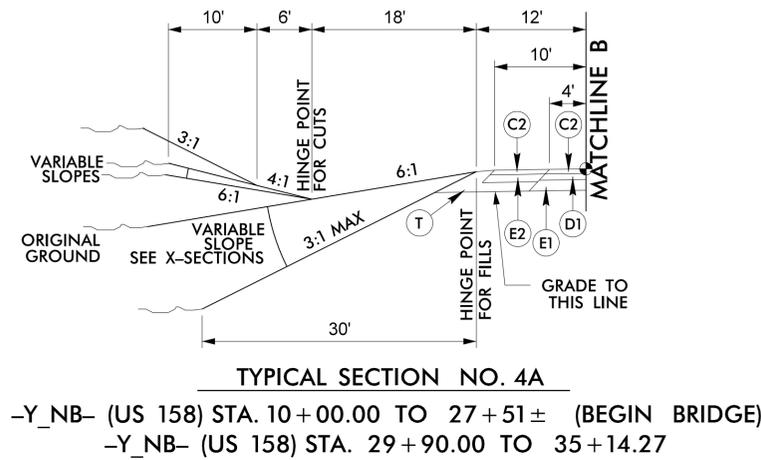
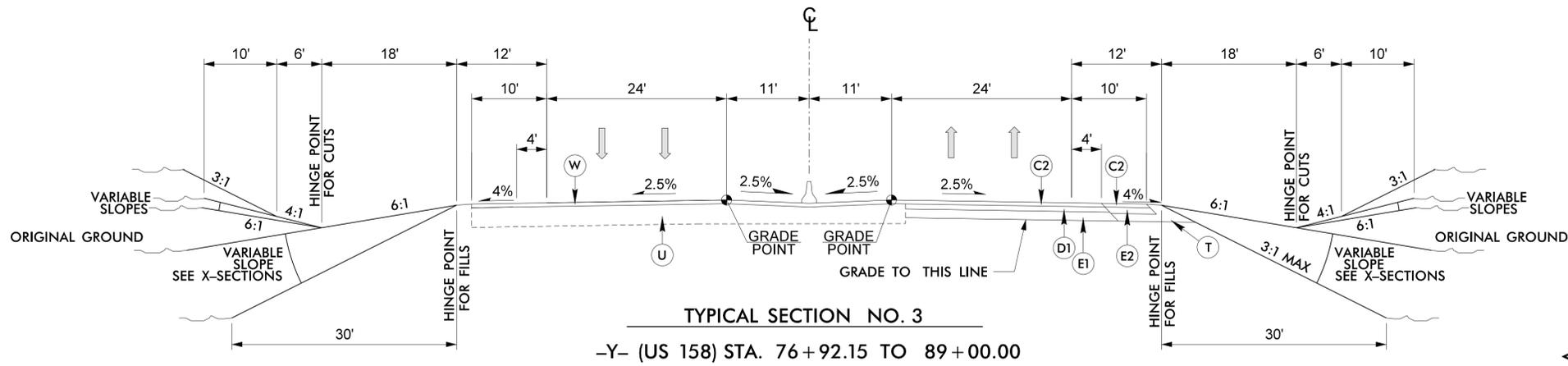


WEDGING DETAIL 1 FOR RESURFACING



WEDGING DETAIL 2 FOR RESURFACING

6/2/99
 8/7/2016
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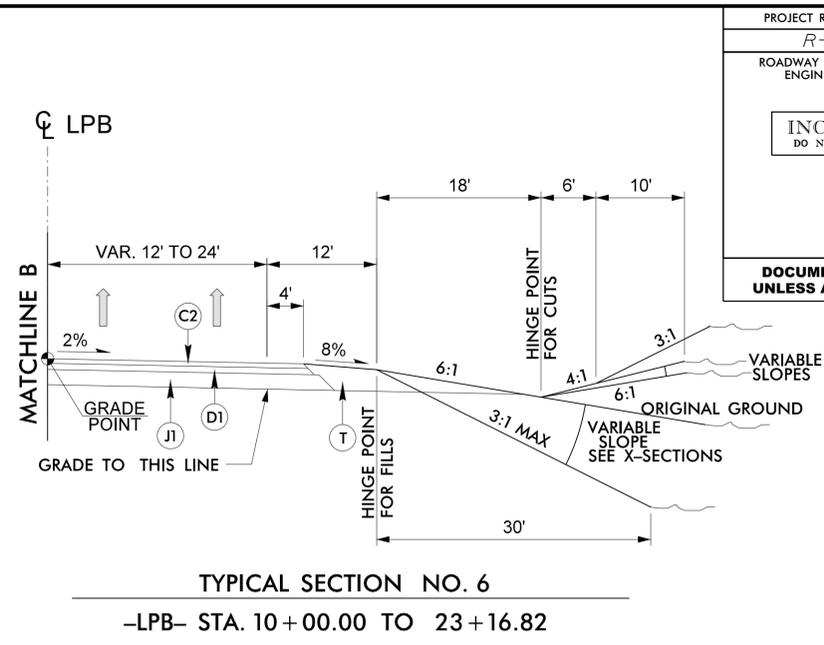
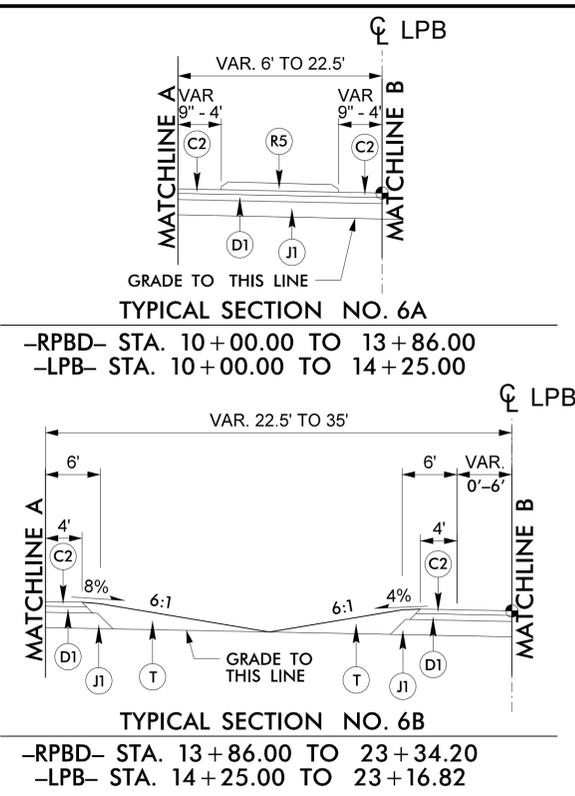
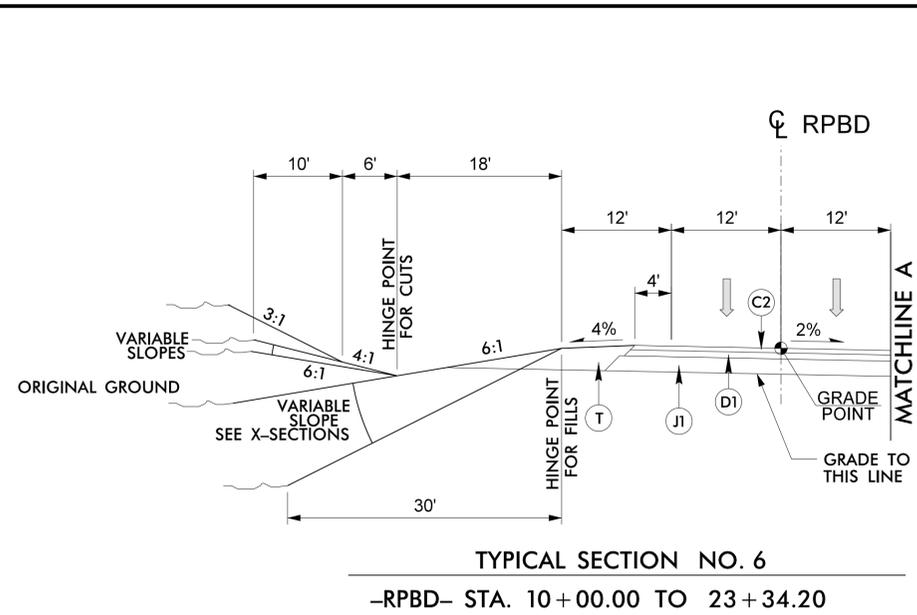


A	12" PCCP (WITH DOWELS)
C1	3" S9.5B
C2	3" S9.5C
C3	1" S9.5B
C4	VAR. S9.5B
C4	VAR. S9.5C
D1	4" I19.5C
D2	VAR. I19.0C
E1	7" B25.0
E2	8" B25.0
E3	4" B25.0
E4	VAR. B25.0
J1	10" ABC
J2	11.5" ABC
J3	6" ABC
J4	11" ABC
R1	1'-6" CURB
R2	2'-6" CURB
R3	8"x18" CURB
R4	7" JOINTED CONC. PAV.
R5	5" MONOLITHIC CONC. ISLAND
S	4" SIDEWALK
T	EARTH MATERIAL
U	EXISTING PAV.
V	MILLING
W	WEDGING
X	3" PADL

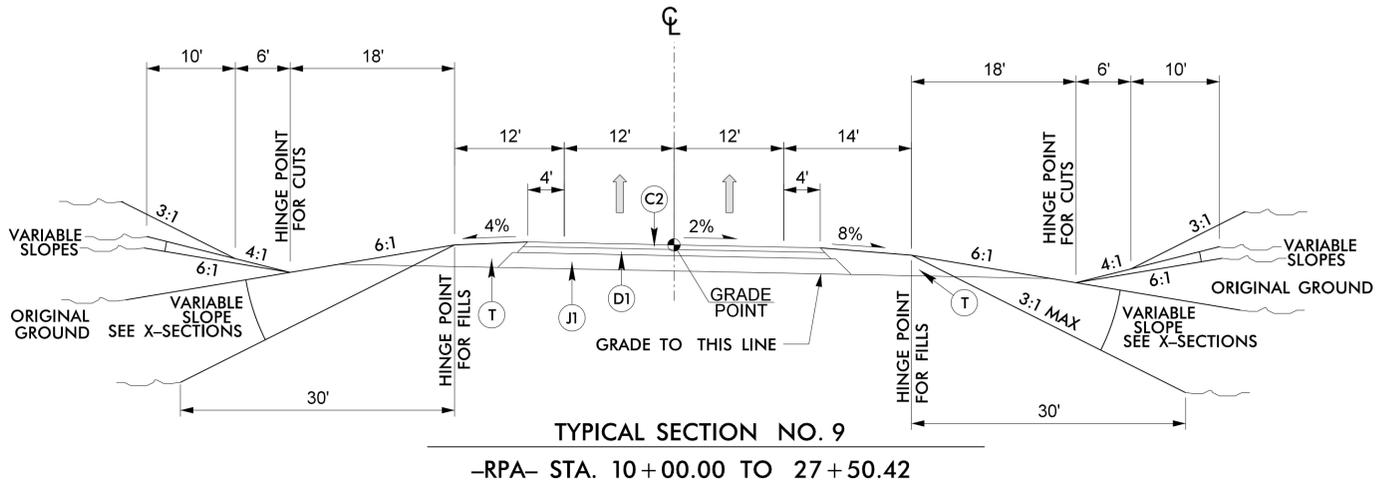
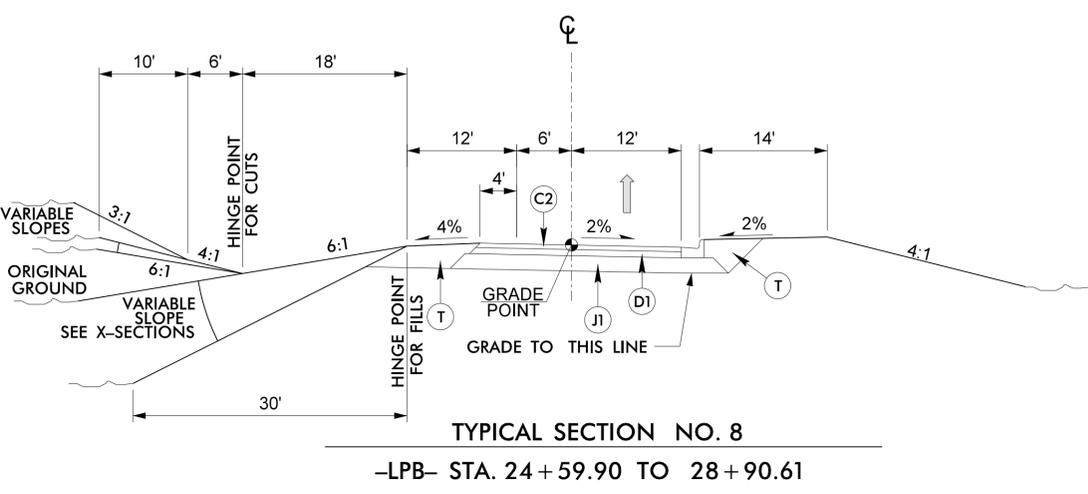
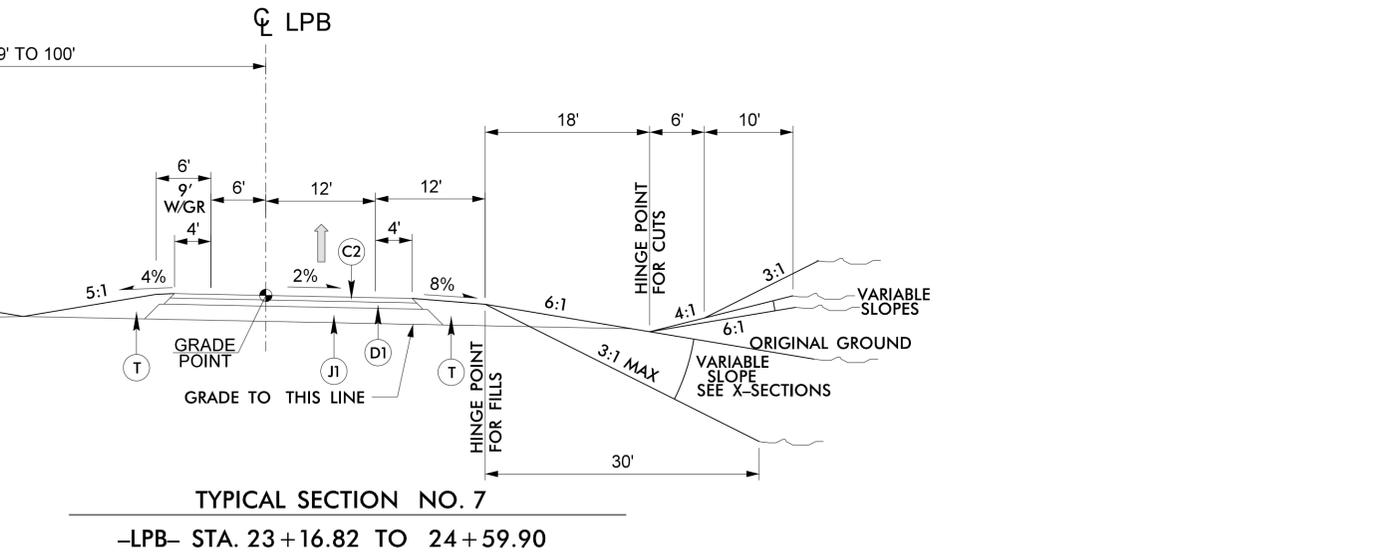
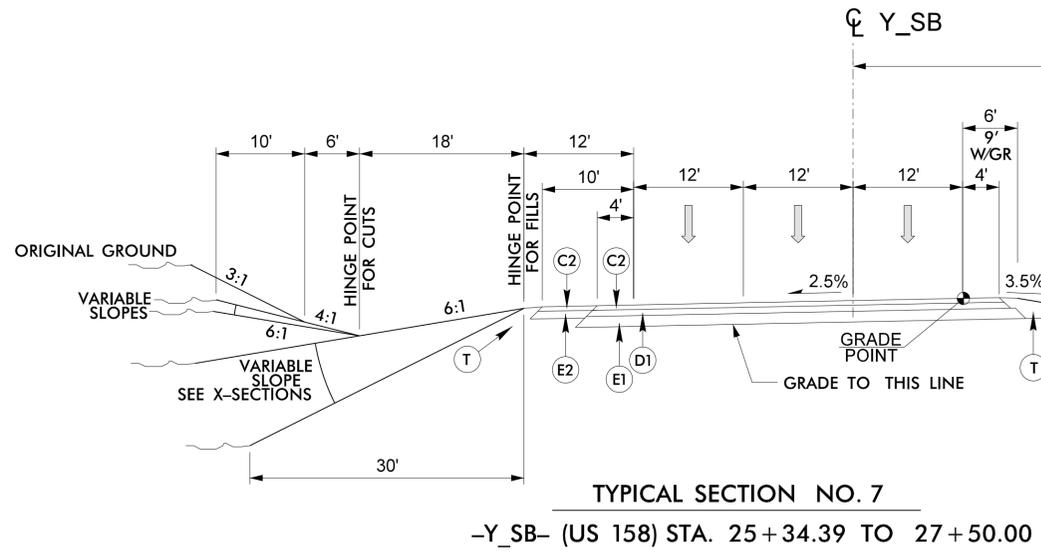
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6/2/99

PROJECT REFERENCE NO. R-2576	SHEET NO. 2A-3
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

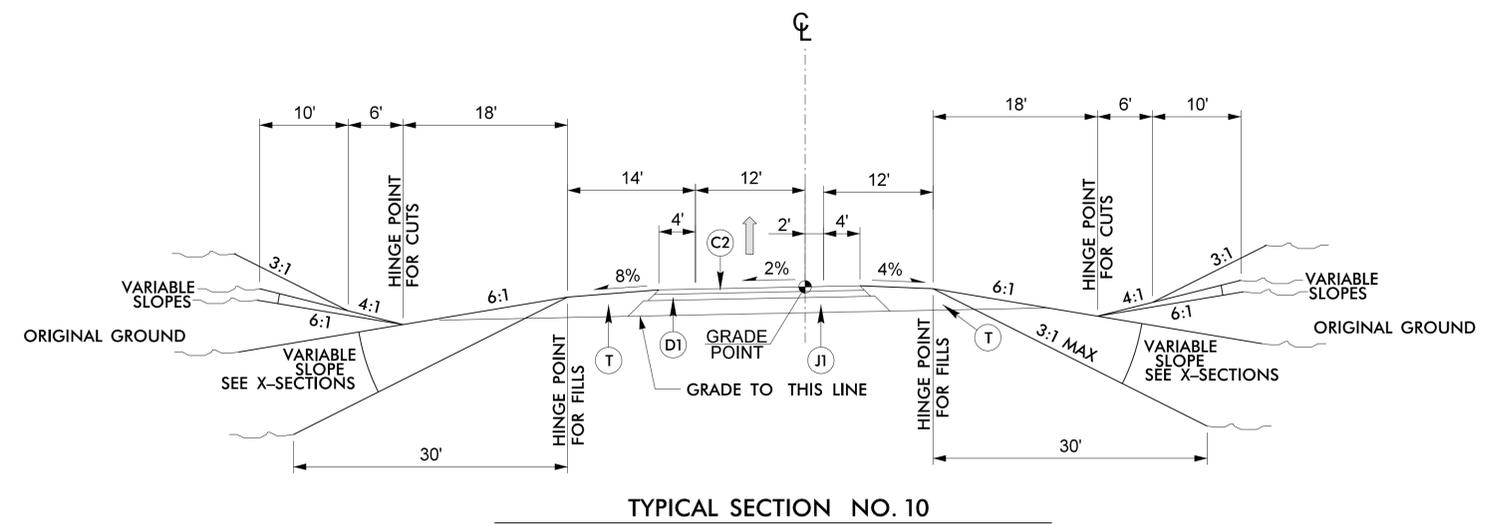


A	12" PCCP (WITH DOWELS)
C1	3" S9.5B
C2	3" S9.5C
C3	1" S9.5B
C4	VAR. S9.5B
C4	VAR. S9.5C
D1	4" I19.5C
D2	VAR. I19.0C
E1	7" B25.0
E2	8" B25.0
E3	4" B25.0
E4	VAR. B25.0
J1	10" ABC
J2	11.5" ABC
J3	6" ABC
J4	11" ABC
R1	1'-6" CURB
R2	2'-6" CURB
R3	8"x18" CURB
R4	7" JOINTED CONC. PAV.
R5	5" MONOLITHIC CONC. ISLAND
S	4" SIDEWALK
T	EARTH MATERIAL
U	EXISTING PAV.
V	MILLING
W	WEDGING
X	3" PADL

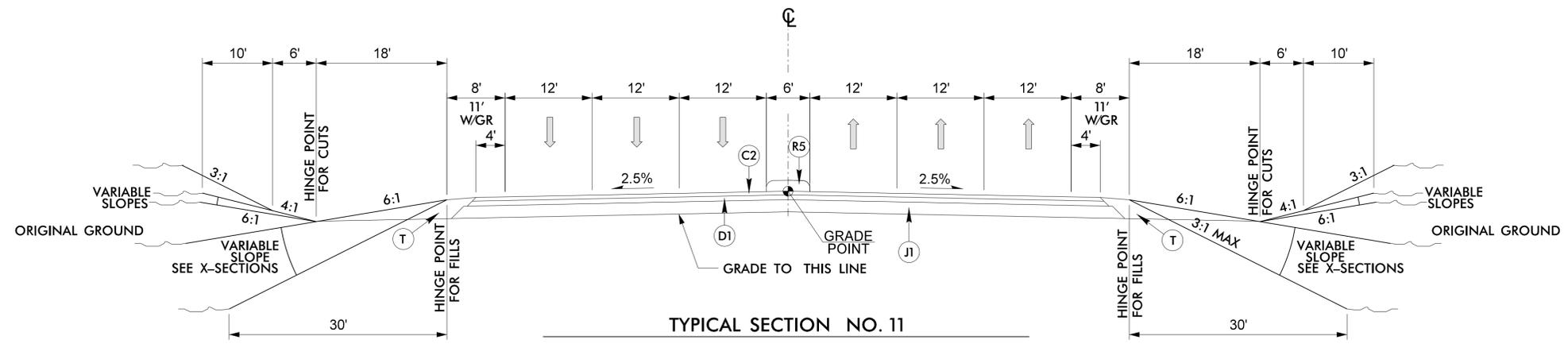


8/7/2016
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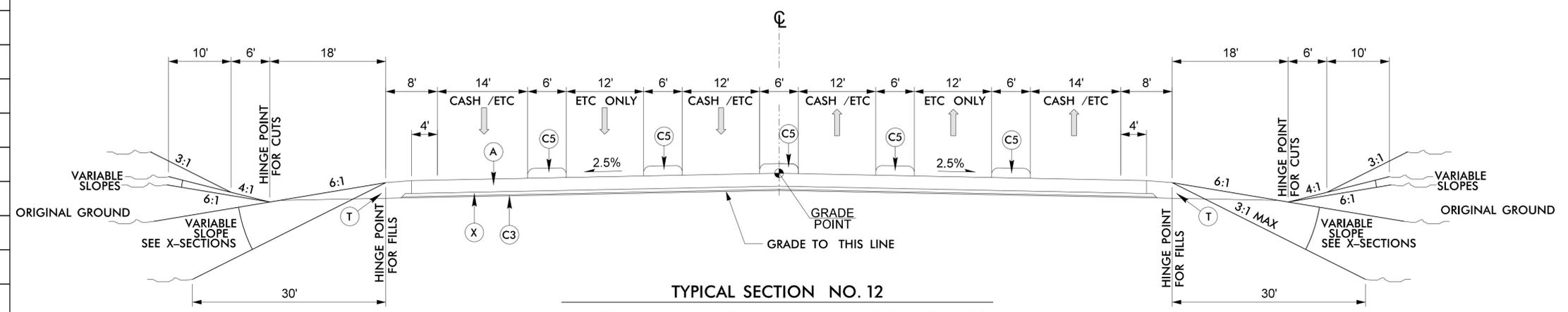
6/2/99



TYPICAL SECTION NO. 10
-RPD- STA. 10+00.00 TO 23+09.74



TYPICAL SECTION NO. 11
-L- STA. 16+65.36 TO 21+00.00



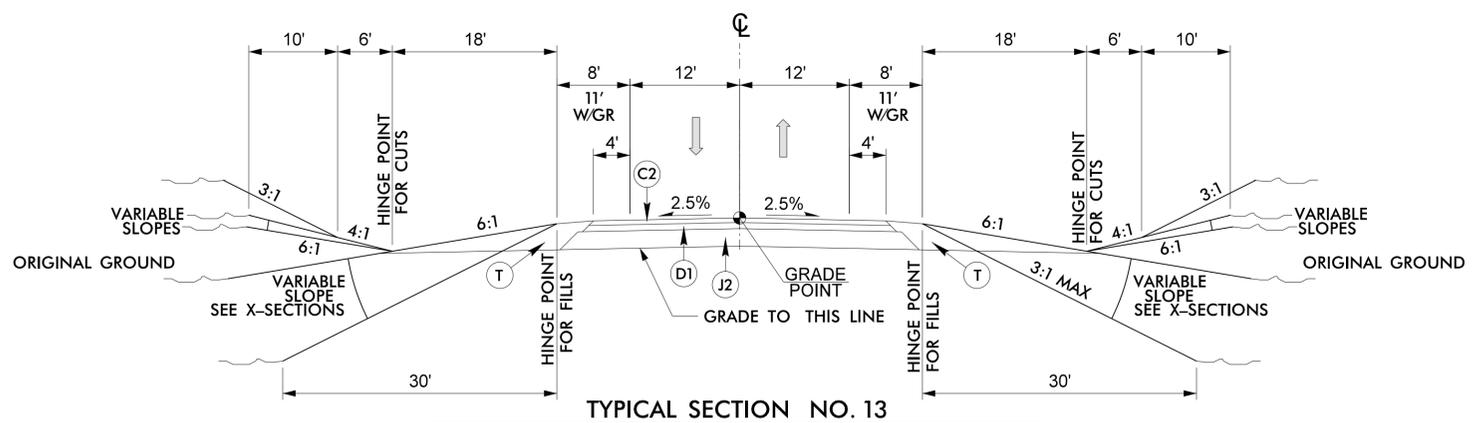
TYPICAL SECTION NO. 12
-L- STA. 21+00.00 TO 22+46± (BEGIN BRIDGE)

A	12" PCCP (WITH DOWELS)
C1	3" S9.5B
C2	3" S9.5C
C3	1" S9.5B
C4	VAR. S9.5B
C4	VAR. S9.5C
D1	4" I19.5C
D2	VAR. I19.0C
E1	7" B25.0
E2	8" B25.0
E3	4" B25.0
E4	VAR. B25.0
J1	10" ABC
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R3	8"x18" CURB
R4	7" JOINTED CONC. PAV.
R5	5" MONOLITHIC CONC. ISLAND
S	4" SIDEWALK
T	EARTH MATERIAL
U	EXISTING PAV.
V	MILLING
W	WEDGING
X	3" PADL

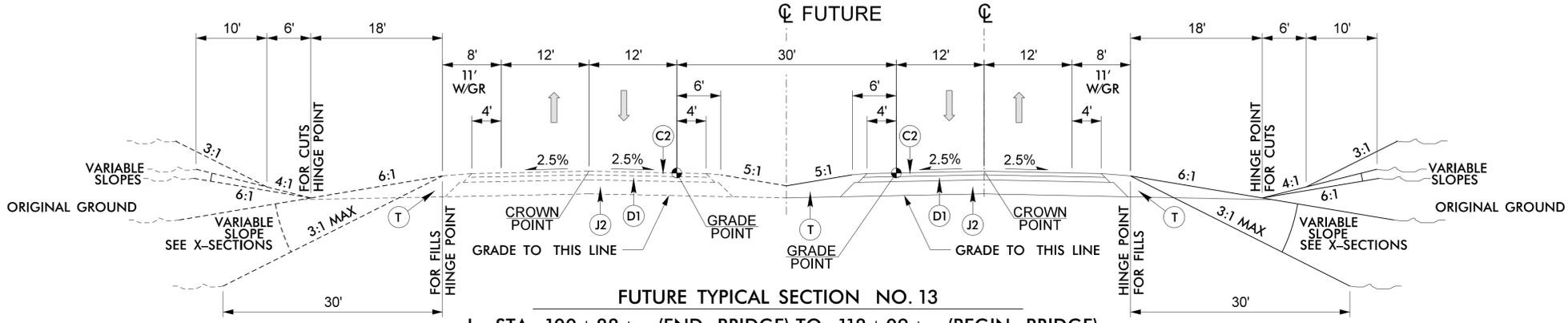
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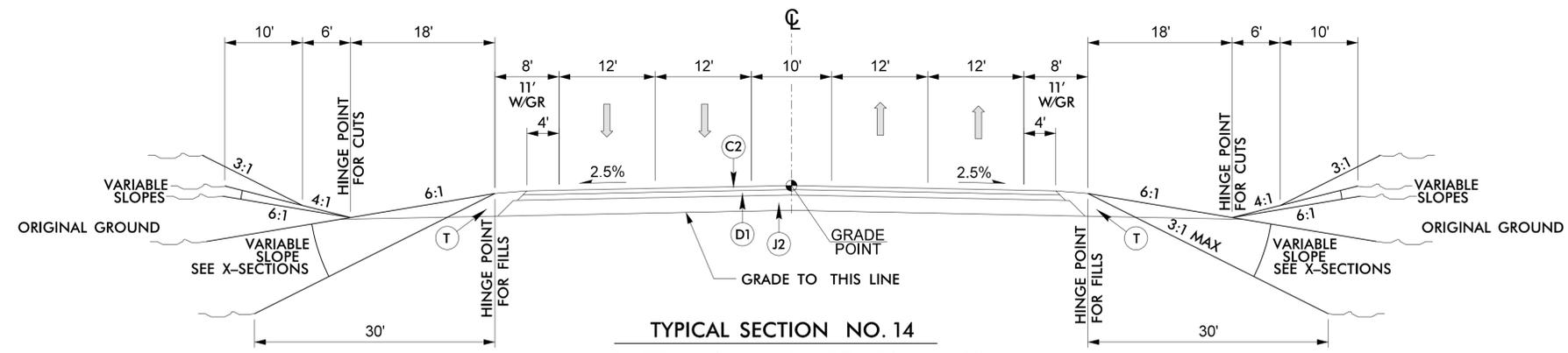
PROJECT REFERENCE NO. R-2576	SHEET NO. 2A-5
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



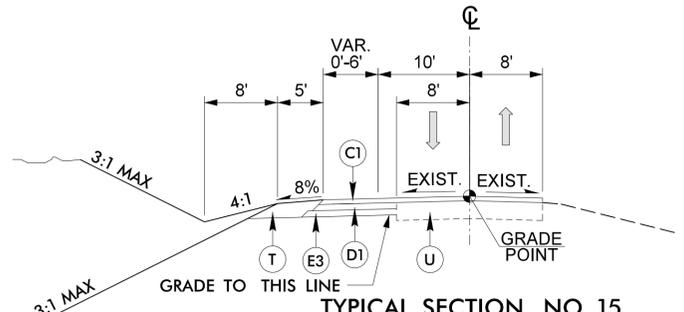
TYPICAL SECTION NO. 13
 -L- STA. 100+88± (END BRIDGE) TO 118+09± (BEGIN BRIDGE)
 -L- STA. 364+20± (END BRIDGE) TO 364+34.00



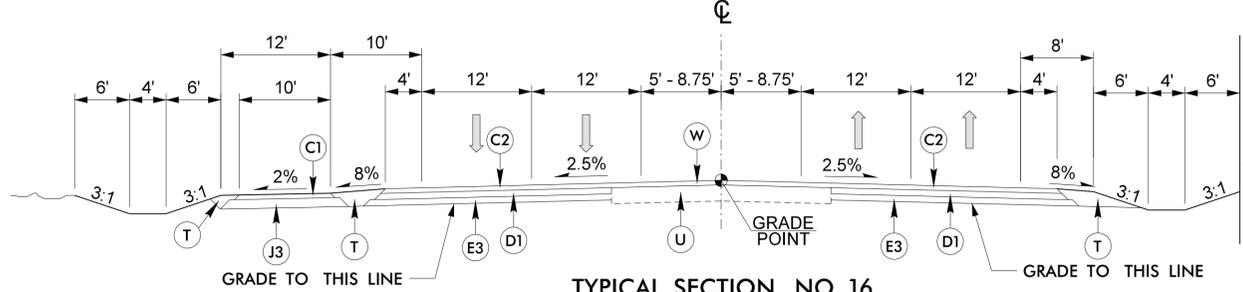
FUTURE TYPICAL SECTION NO. 13
 -L- STA. 100+88± (END BRIDGE) TO 118+09± (BEGIN BRIDGE)
 -L- STA. 364+20± (END BRIDGE) TO 364+34.00



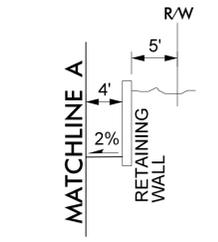
TYPICAL SECTION NO. 14
 -L2- STA. 364+34.00 TO 369+18.83



TYPICAL SECTION NO. 15
 -Y3- (NARROW SHORE RD) STA. 12+48.58 TO 15+36.20



TYPICAL SECTION NO. 16
 -Y4- (NC 12) STA. 20+00.00 TO 44+86.83
 -Y5- (NC 12) STA. 10+37.57 TO 19+46.71



TYPICAL SECTION NO. 16A
 -Y4- (NC 12)
 STA. 39+80.00 TO 40+60.00

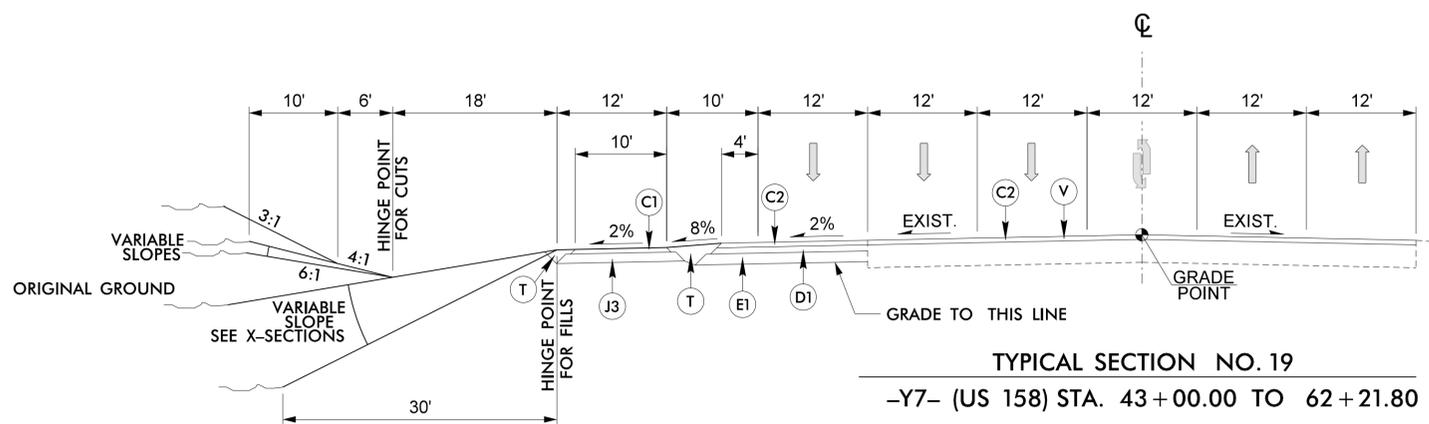
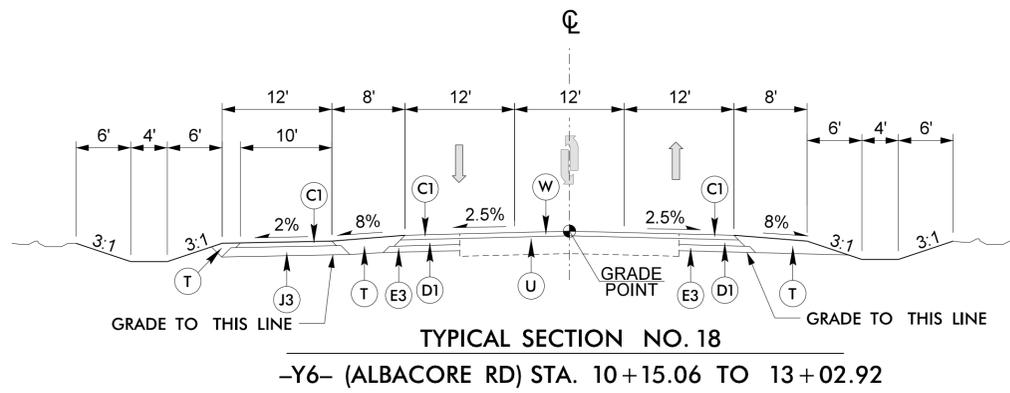
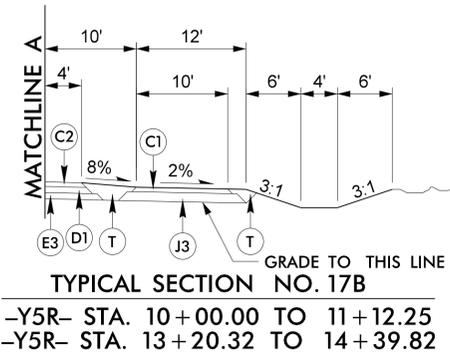
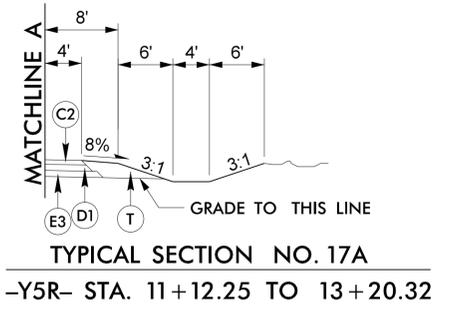
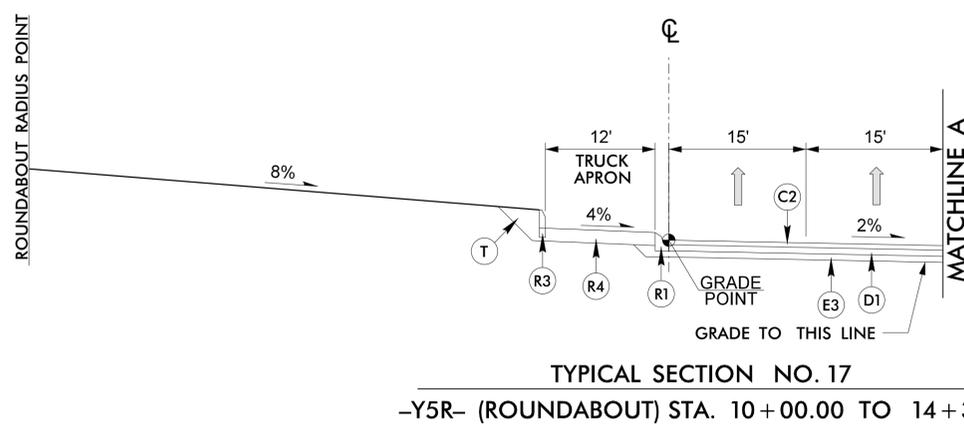
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S	4" SIDEWALK
T	EARTH MATERIAL
U	EXISTING PAV.
V	MILLING
W	WEDGING
X	3" PADL

8/7/2016
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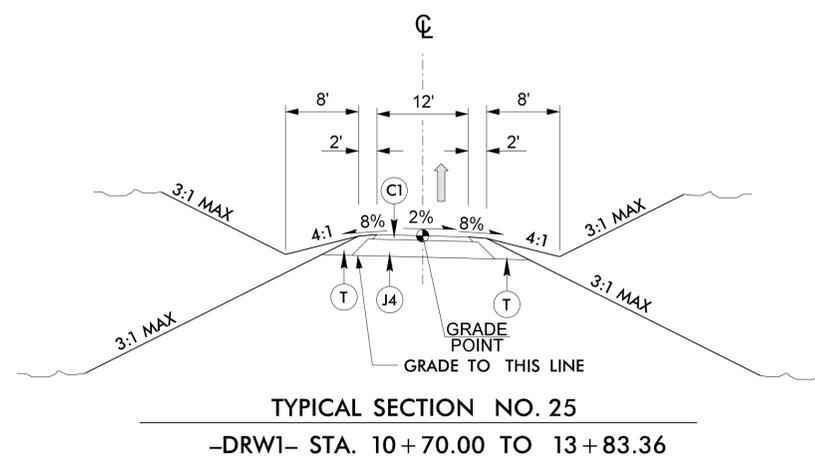
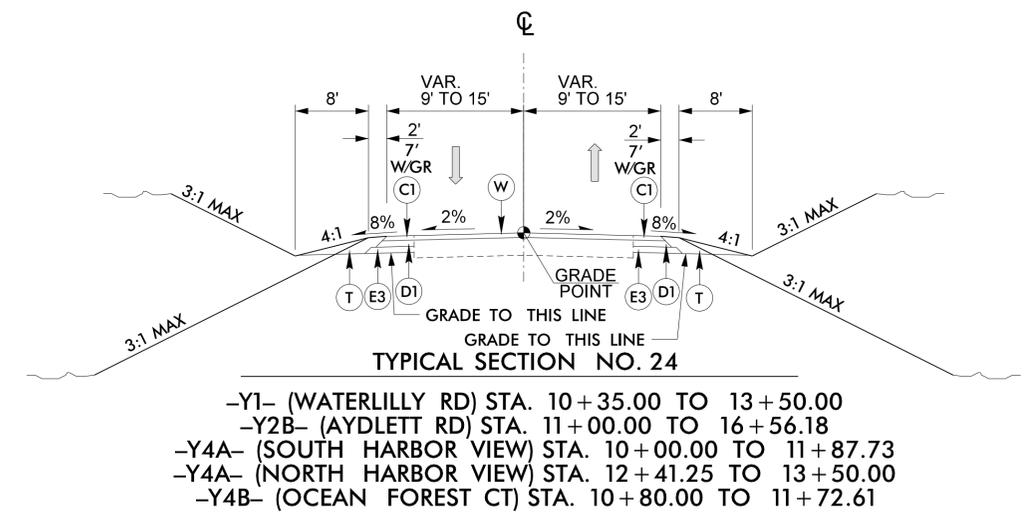
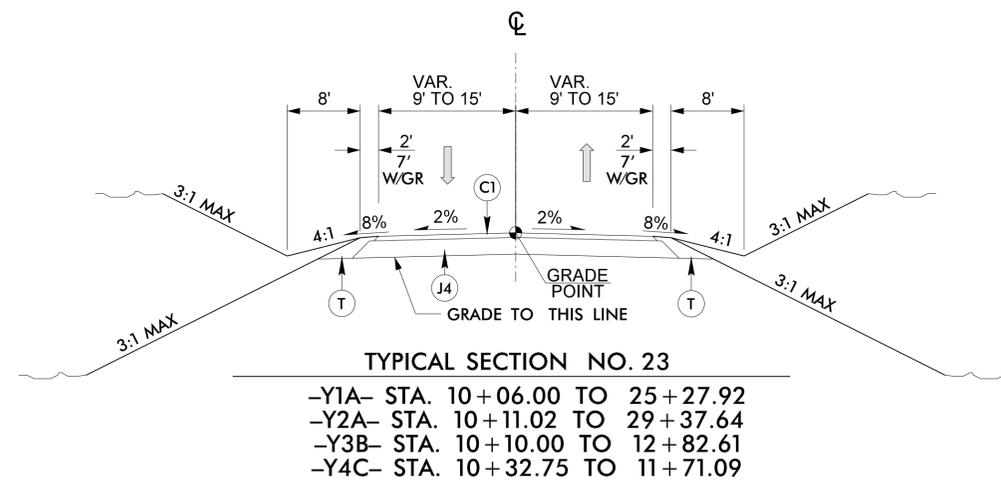
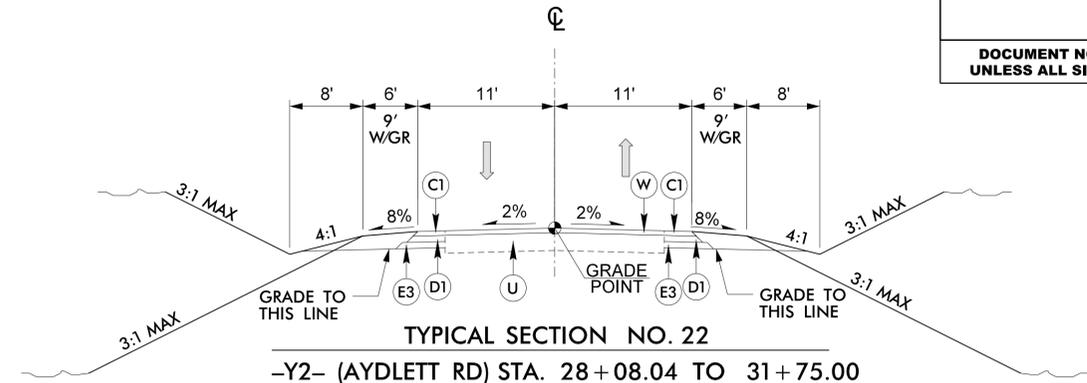
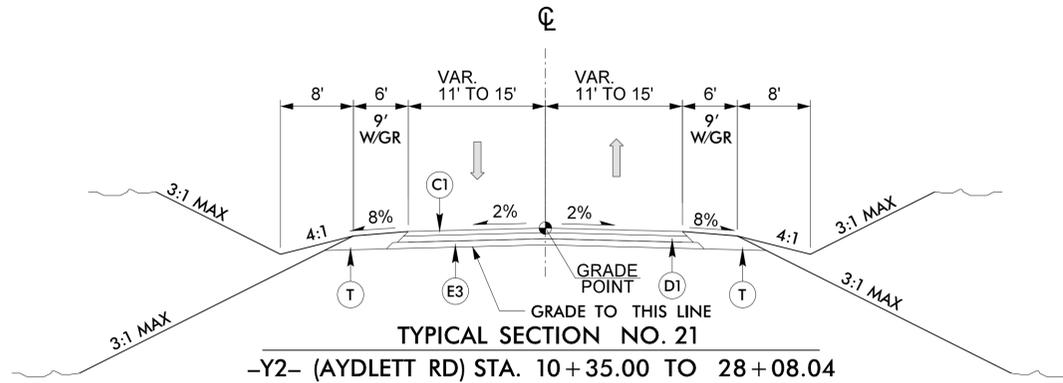
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PROJECT REFERENCE NO. R-2576	SHEET NO. 2A-6
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

A	12" PCCP (WITH DOWELS)
C1	3" S9.5B
C2	3" S9.5C
C3	1" S9.5B
C4	VAR. S9.5B
C4	VAR. S9.5C
D1	4" I19.5C
D2	VAR. I19.0C
E1	7" B25.0
E2	8" B25.0
E3	4" B25.0
E4	VAR. B25.0
J1	10" ABC
J2	11.5" ABC
J3	6" ABC
J4	11" ABC
R1	1'-6" CURB
R2	2'-6" CURB
R3	8"x18" CURB
R4	7" JOINTED CONC. PAV.
R5	5" MONOLITHIC CONC. ISLAND
S	4" SIDEWALK
T	EARTH MATERIAL
U	EXISTING PAV.
V	MILLING
W	WEDGING
X	3" PADL



8/7/2016
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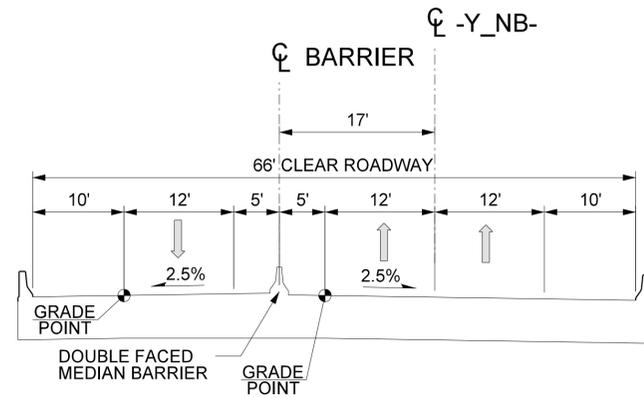


A	12" PCCP (WITH DOWELS)
C1	3" S9.5B
C2	3" S9.5C
C3	1" S9.5B
C4	VAR. S9.5B
C4	VAR. S9.5C
D1	4" I19.5C
D2	VAR. I19.0C
E1	7" B25.0
E2	8" B25.0
E3	4" B25.0
E4	VAR. B25.0
J1	10" ABC
J2	11.5" ABC
J3	6" ABC
J4	11" ABC
R1	1'-6" CURB
R2	2'-6" CURB
R3	8"x18" CURB
R4	7" JOINTED CONC. PAV.
R5	5" MONOLITHIC CONC. ISLAND
S	4" SIDEWALK
T	EARTH MATERIAL
U	EXISTING PAV.
V	MILLING
W	WEDGING
X	3" PADL

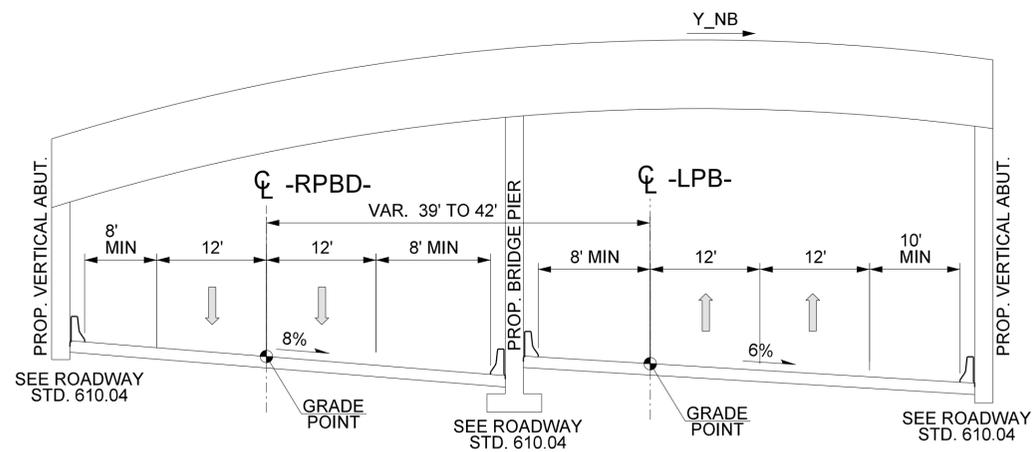
6/2/99
 8/7/2016
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PROJECT REFERENCE NO. R-2576	SHEET NO. 2A-8
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

**BRIDGE AT FROM -Y_NB- STA. 27+78.62 OVER -RPBD- STA. 15+04.95
AND AT -Y_NB- STA. 28+24.01 OVER -LPB STA. 15+57.67**



STRUCTURE TYPICAL SECTION

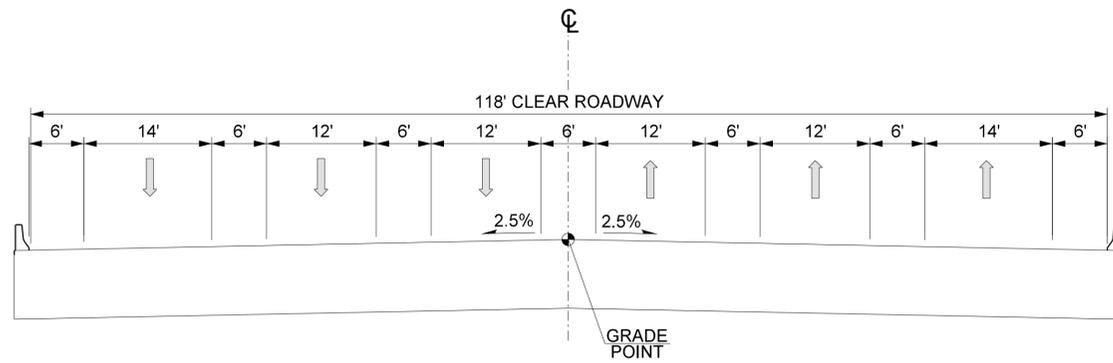


TYPICAL SECTION UNDER BRIDGE

6/2/99

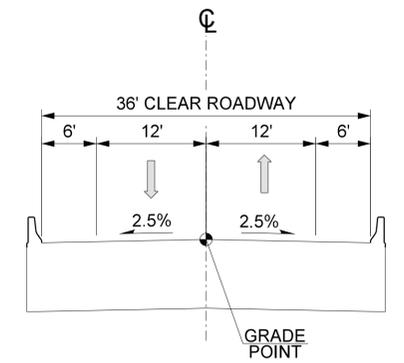
PROJECT REFERENCE NO. R-2576	SHEET NO. 2A-9
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
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BRIDGE FROM -L- STA. 22 + 46 ± TO STA. 100 + 88 ± OVER MAPLE SWAMP



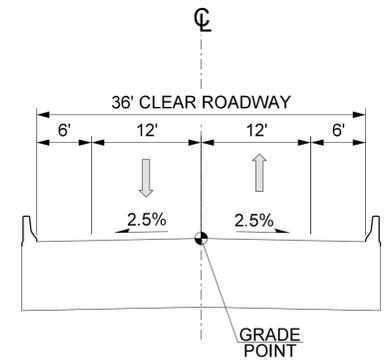
BRIDGE TYPICAL NO. 1
-L- STA. 22 + 46 ± TO 26 + 00.00

TRANSITION FROM BRIDGE TYPICAL
NO. 1 TO NO. 2
AT THE FOLLOWING LOCATIONS:
-L- STA. 26 + 00.00 TO 33 + 00.00



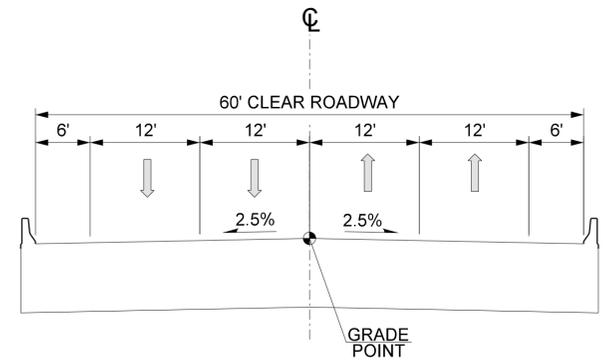
BRIDGE TYPICAL NO. 2
-L- STA. 33 + 00.00 TO STA. 100 + 88 ±

BRIDGE FROM -L- STA. 117 + 76 ± TO STA. 364 + 22 ± OVER CURRITUCK SOUND AND AT -L- STA. 118 + 31.91 OVER -Y3- STA. 13 + 81.47

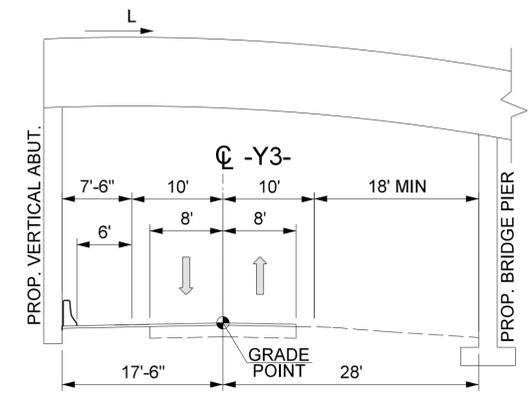


BRIDGE TYPICAL NO. 3
-L- STA. 117 + 76 ± TO 356 + 00.00

TRANSITION FROM BRIDGE TYPICAL
NO. 3 TO NO. 4
AT THE FOLLOWING LOCATIONS:
-L- STA. 356 + 00.00 TO 363 + 00.00



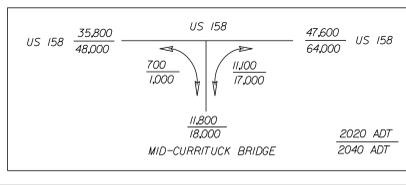
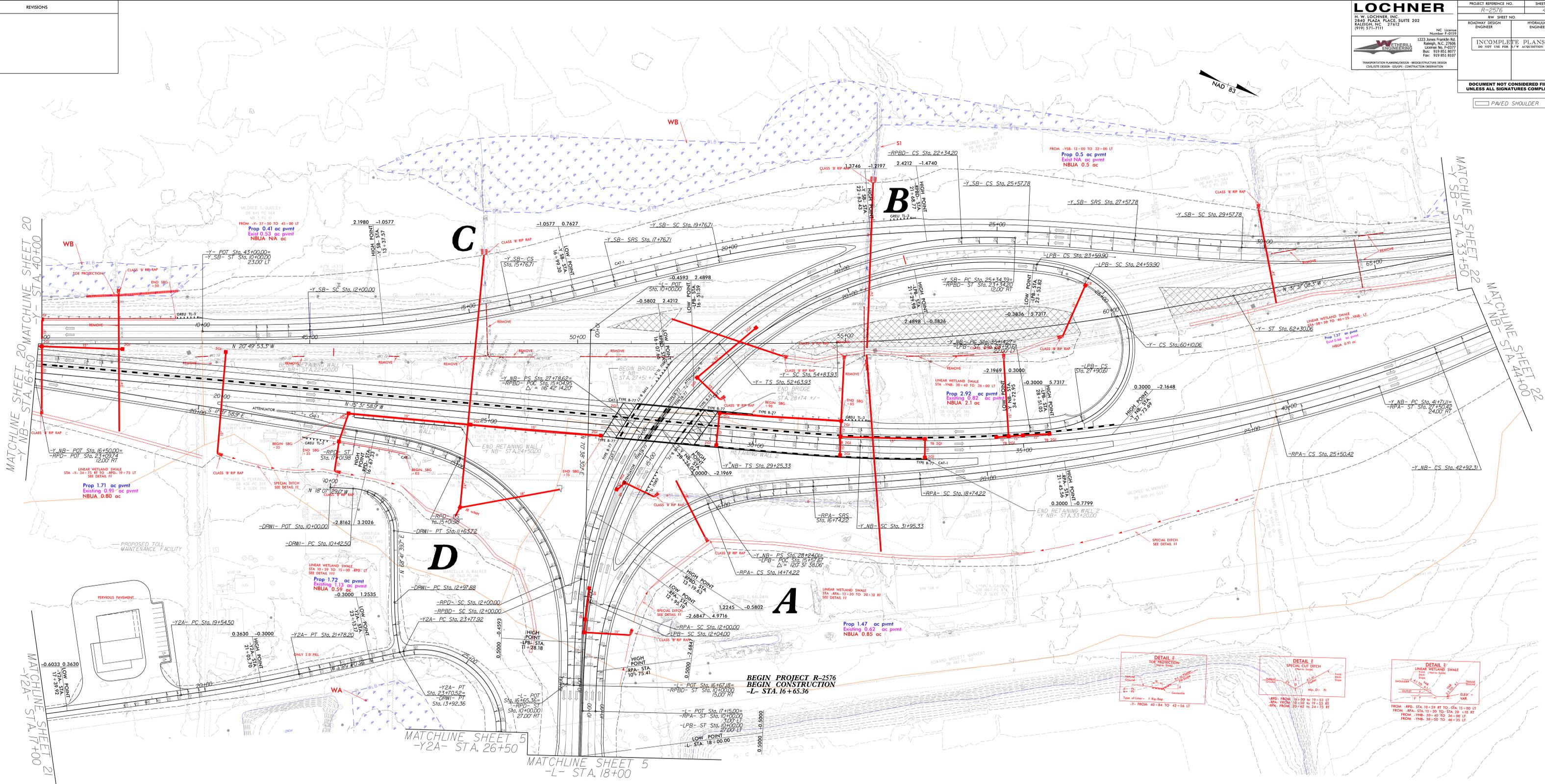
BRIDGE TYPICAL NO. 4
-L- STA. 363 + 00.00 TO STA. 364 + 22 ±



TYPICAL SECTION UNDER STRUCTURE

8/7/2016
P:\Projects\2016\11-25-16\11-25-16-HYD-TYP.dgn
USER: rcb

NO.	REVISIONS



SEE SHEET 31 FOR -L- PROFILE
 SEE SHEET 37 FOR -Y- PROFILE
 SEE SHEET 39 FOR -Y-SB- PROFILE
 SEE SHEET 39-40 FOR -Y-NB- PROFILE
 SEE SHEET 41-42 FOR -LPB- PROFILE
 SEE SHEET 42 FOR -RPB- PROFILE
 SEE SHEET 43 FOR -RPA- PROFILE
 SEE SHEET 44 FOR -RPO- PROFILE
 SEE SHEET 46-47 FOR -Y2A- PROFILE
 SEE SHEET 46 FOR -DRWI- PROFILE

LOCATION: MID CURRITUCK BRIDGE (4-1) AT US 158 (Y-1)

TIP NO.: COUNTY:
 DESIGNED BY:
 CHECKED BY: DATE:

GRAPHIC SCALE
 50 25 0 50 100
 PLANS

6/16/2020
 R:\VMP\Projects\2576\2576_Plan\plan.dwg
 6/16/2020

6/2/09

8/16/2018
C:\Users\jacob\OneDrive\Documents\Projects\2576_HYD_psh07.dgn
USER: jacob

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WETHERILL ENGINEERING
 1223 Jones Franklin Rd.
 Raleigh, N.C. 27606
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 Bus: 919 851 8077
 Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

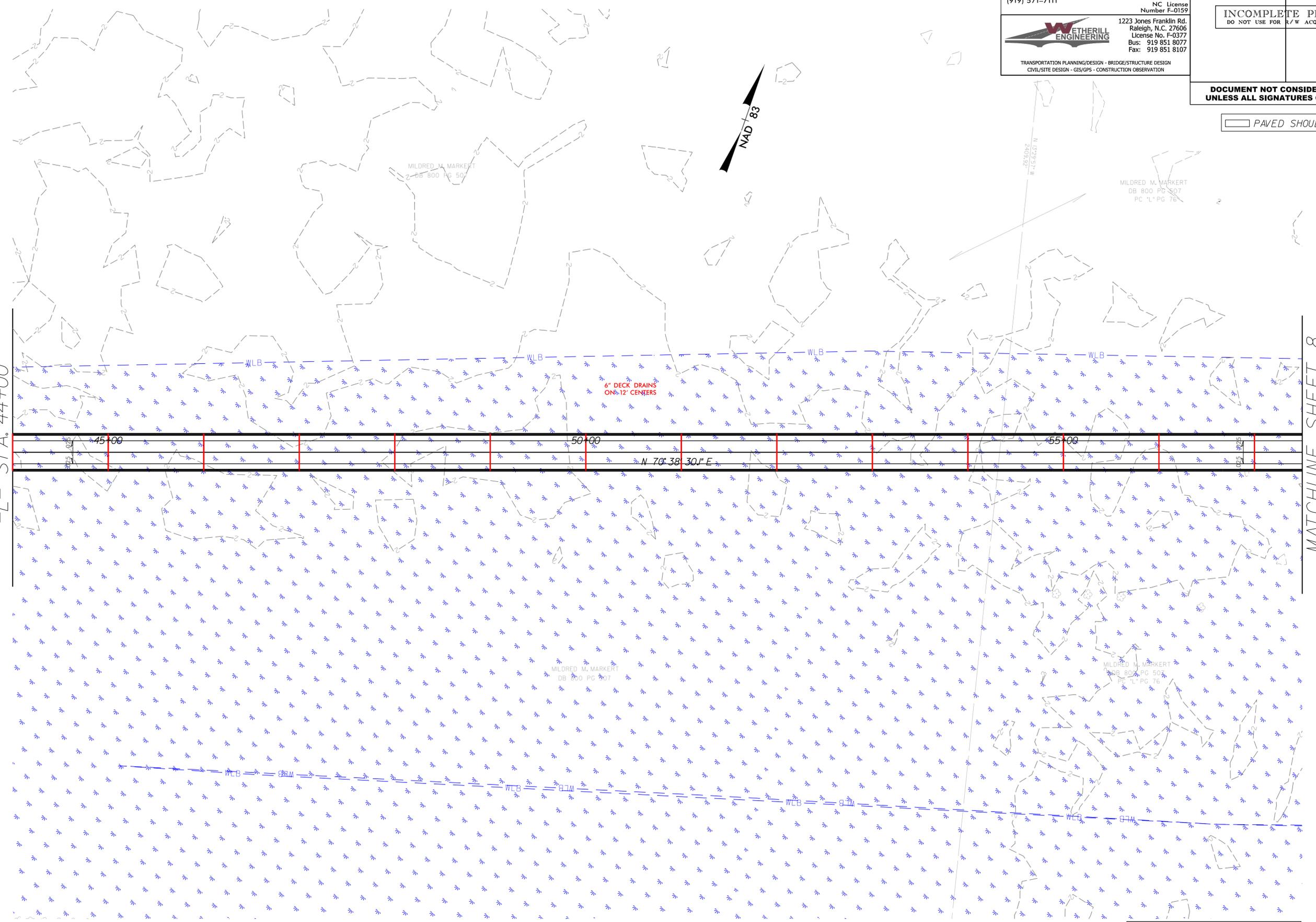
PROJECT REFERENCE NO. R-2576	SHEET NO. 7
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	

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

PAVED SHOULDER

MATCHLINE SHEET 6
-L- STA. 44+00

MATCHLINE SHEET 8
-L- STA. 57+50



SEE SHEET 32 FOR -L- PROFILE

6/2/09

S:\16\2009\16112\16112.dwg

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PROJECT REFERENCE NO. SHEET NO.

R-2576 8

ROADWAY DESIGN ENGINEER

PAVEMENT DESIGN ENGINEER

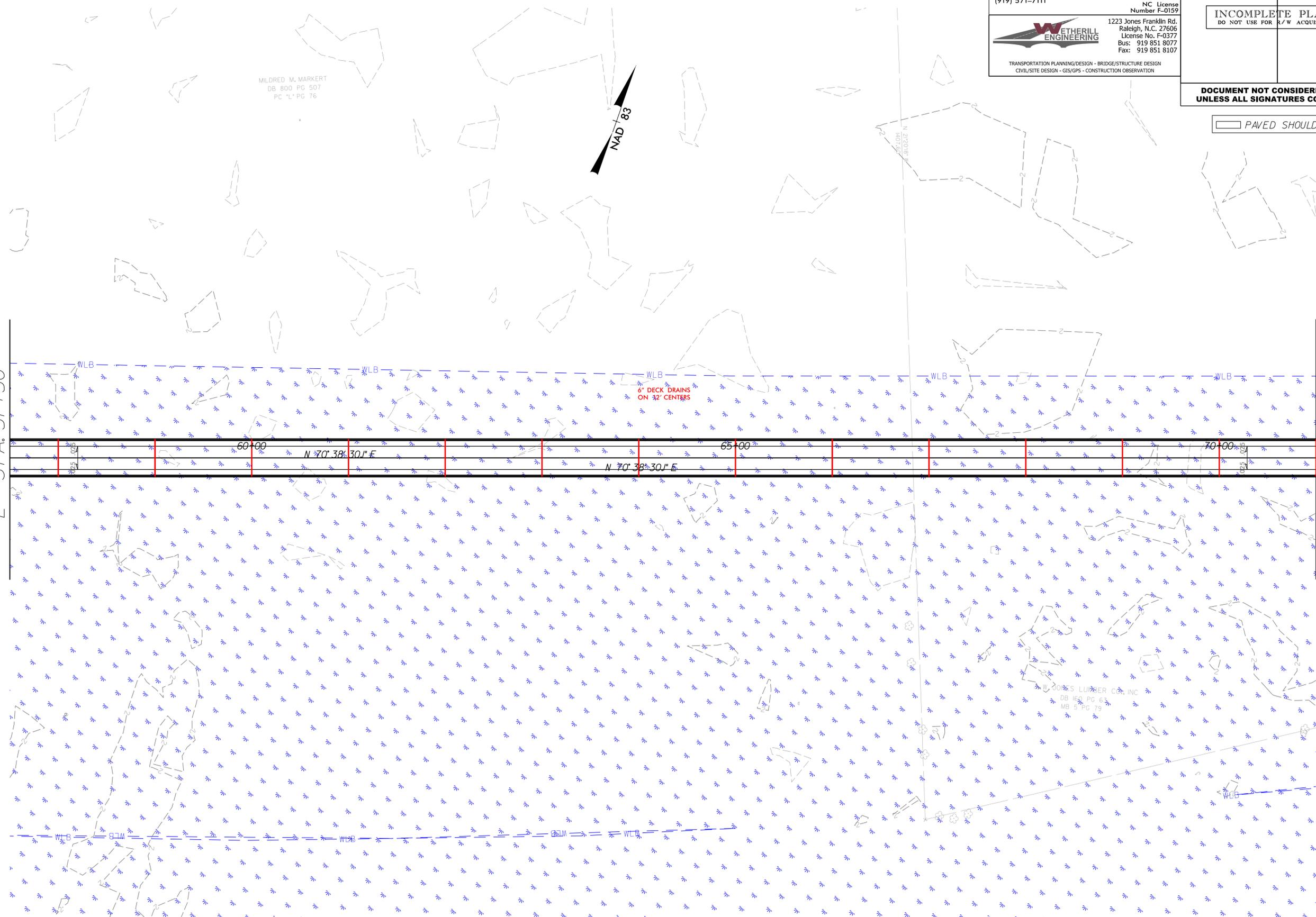
INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PAVED SHOULDER

MATCHLINE SHEET 7
-L- STA. 57+50

MATCHLINE SHEET 9
-L- STA. 71+00



SEE SHEET 33 FOR -L- PROFILE

6/2/2019

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CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO. *R-2576* SHEET NO. *10*

ROADWAY DESIGN ENGINEER PAVEMENT DESIGN ENGINEER

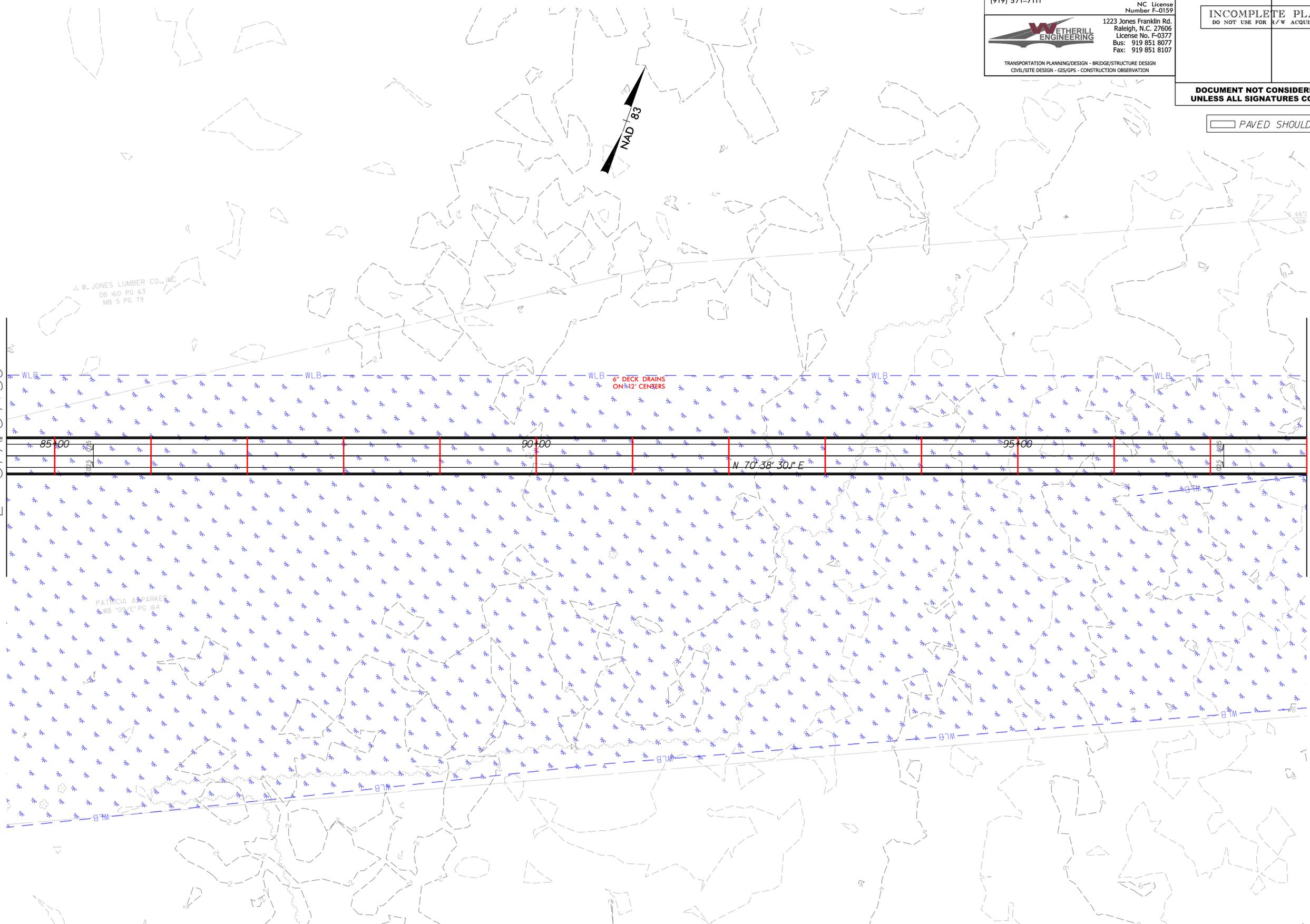
INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PAVED SHOULDER

MATCHLINE SHEET 9
-L- STA. 84+50

MATCHLINE SHEET 11
-L- STA. 98+00



SEE SHEET 34 FOR -L- PROFILE

8/16/2019
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USER: psh101

6/2/2019

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 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO. R-2576	SHEET NO. 12
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER

INCOMPLETE PLANS
 DO NOT USE FOR R/W ACQUISITION

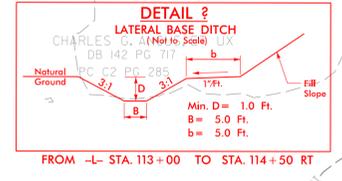
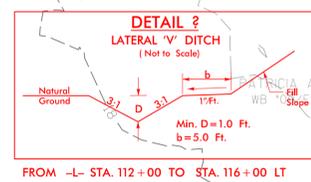
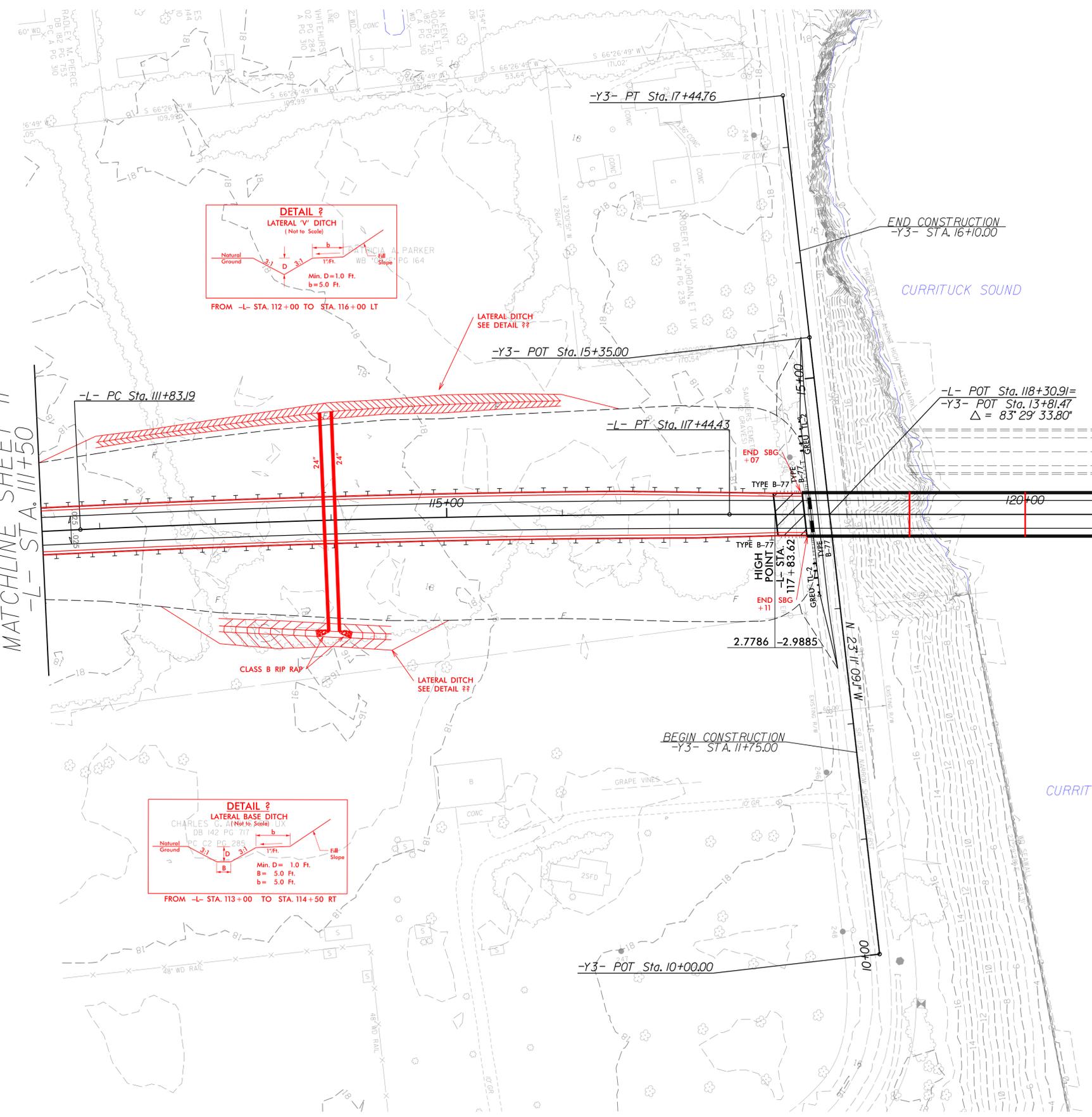
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PAVED SHOULDER



MATCHLINE SHEET II
-L- STA. 111+50

MATCHLINE SHEET 13
-L- STA. 124+00



SEE SHEET 35 FOR -L- PROFILE
 SEE SHEET 47 FOR -Y3- PROFILE

6/2/09

B:\Projects\2008\Projects\2576\PSHs\RES2576_HYD_psh17.dgn
USER: cbaus

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Number F-0159



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Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO. SHEET NO.

R-2576 17

ROADWAY DESIGN
ENGINEER

PAVEMENT DESIGN
ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

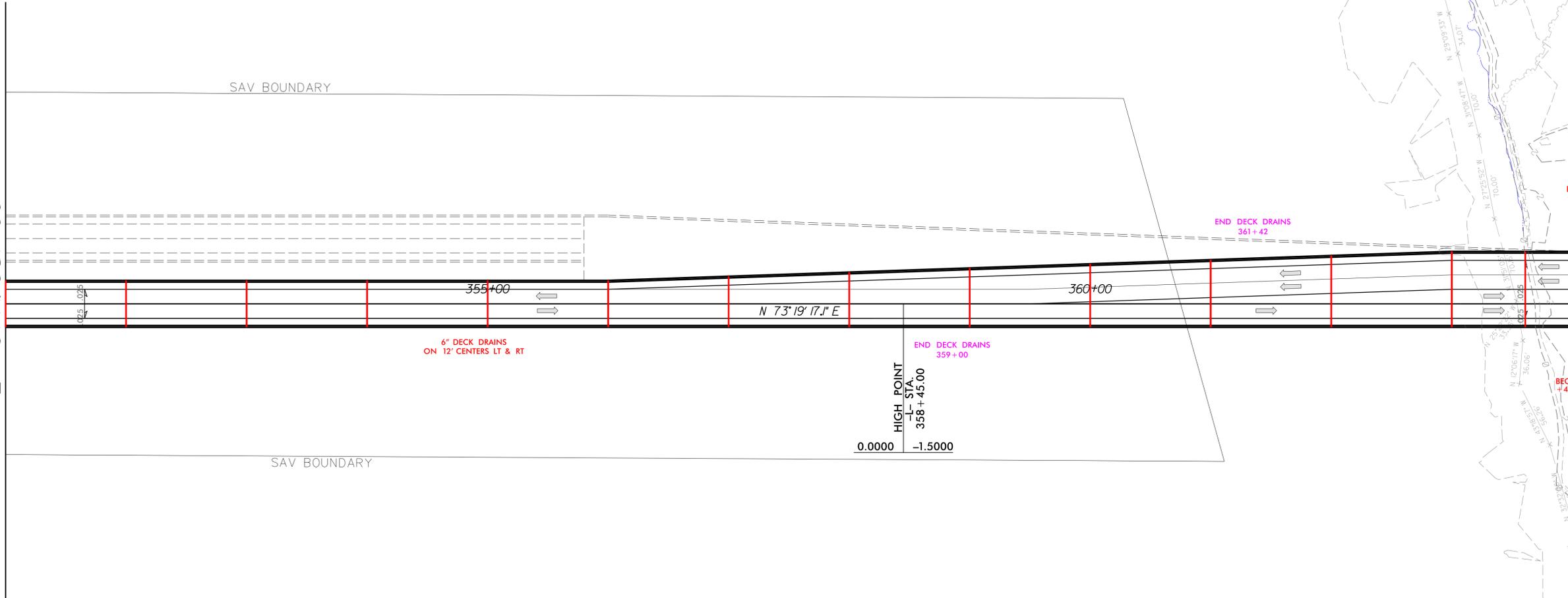
**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

PAVED SHOULDER



MATCHLINE SHEET 16
-L- STA. 351+00

MATCHLINE SHEET 18
-L- STA. 364+00



HIGH POINT	
-L- STA.	358+45.00
0.0000	-1.5000

SEE SHEET 35 FOR -L- PROFILE

6/2/2019

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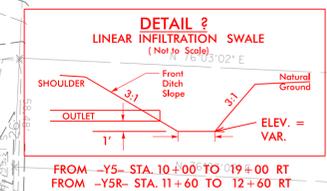
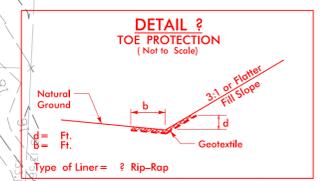
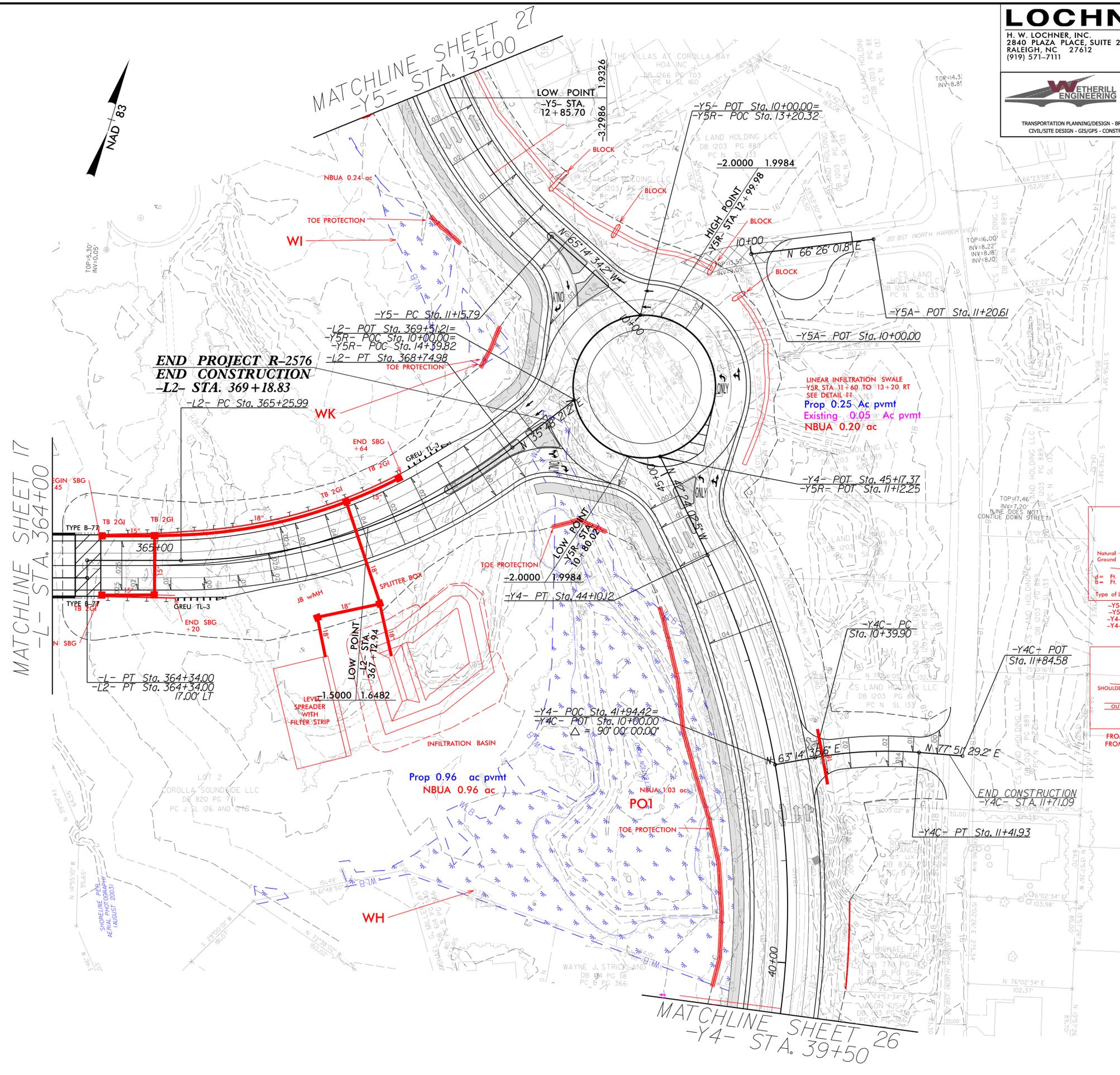
NC License
 Number F-0159

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 1223 Jones Franklin Rd.
 Raleigh, N.C. 27606
 License No. F-0377
 Bus: 919 851 8077
 Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO. R-2576	SHEET NO. 18
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

PAVED SHOULDER



SEE SHEET 35 FOR -L- PROFILE
 SEE SHEET 36 FOR -L2- PROFILE
 SEE SHEET 48 FOR -Y4- PROFILE
 SEE SHEET 49 FOR -Y4C- PROFILE
 SEE SHEET 49 FOR -Y5- PROFILE
 SEE SHEET 50 FOR -Y5R- PROFILE
 SEE SHEET 50 FOR -Y5A- PROFILE

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(919) 371-7111



TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

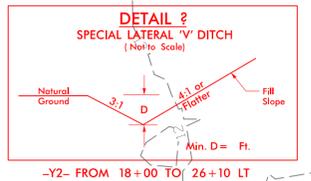
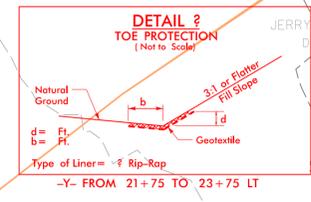
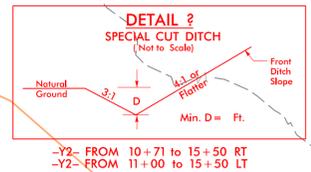
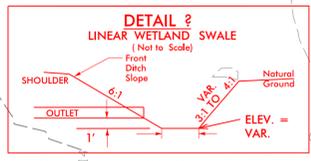
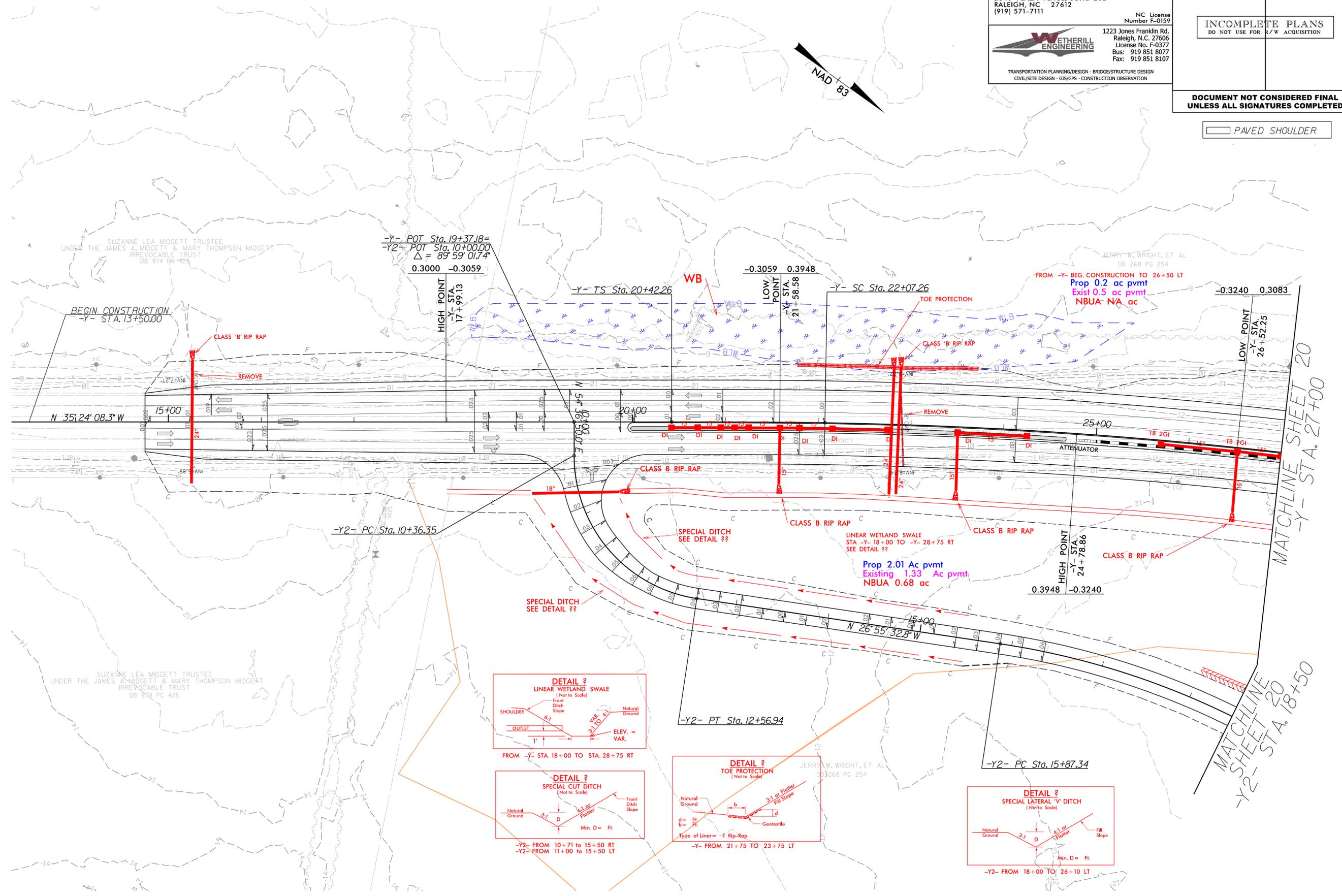
PROJECT REFERENCE NO. R-2576 SHEET NO. 19

ROADWAY DESIGN ENGINEER PAVEMENT DESIGN ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

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PAVED SHOULDER



8/16/2016
C:\Users\jlochner\Documents\Projects\2576_HYD\PSH19.dgn
JL

SEE SHEET 36 FOR -Y- PROFILE
SEE SHEET 45 FOR -Y2- PROFILE

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Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

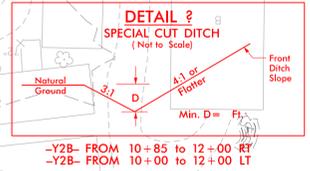
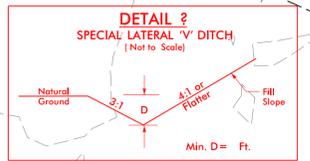
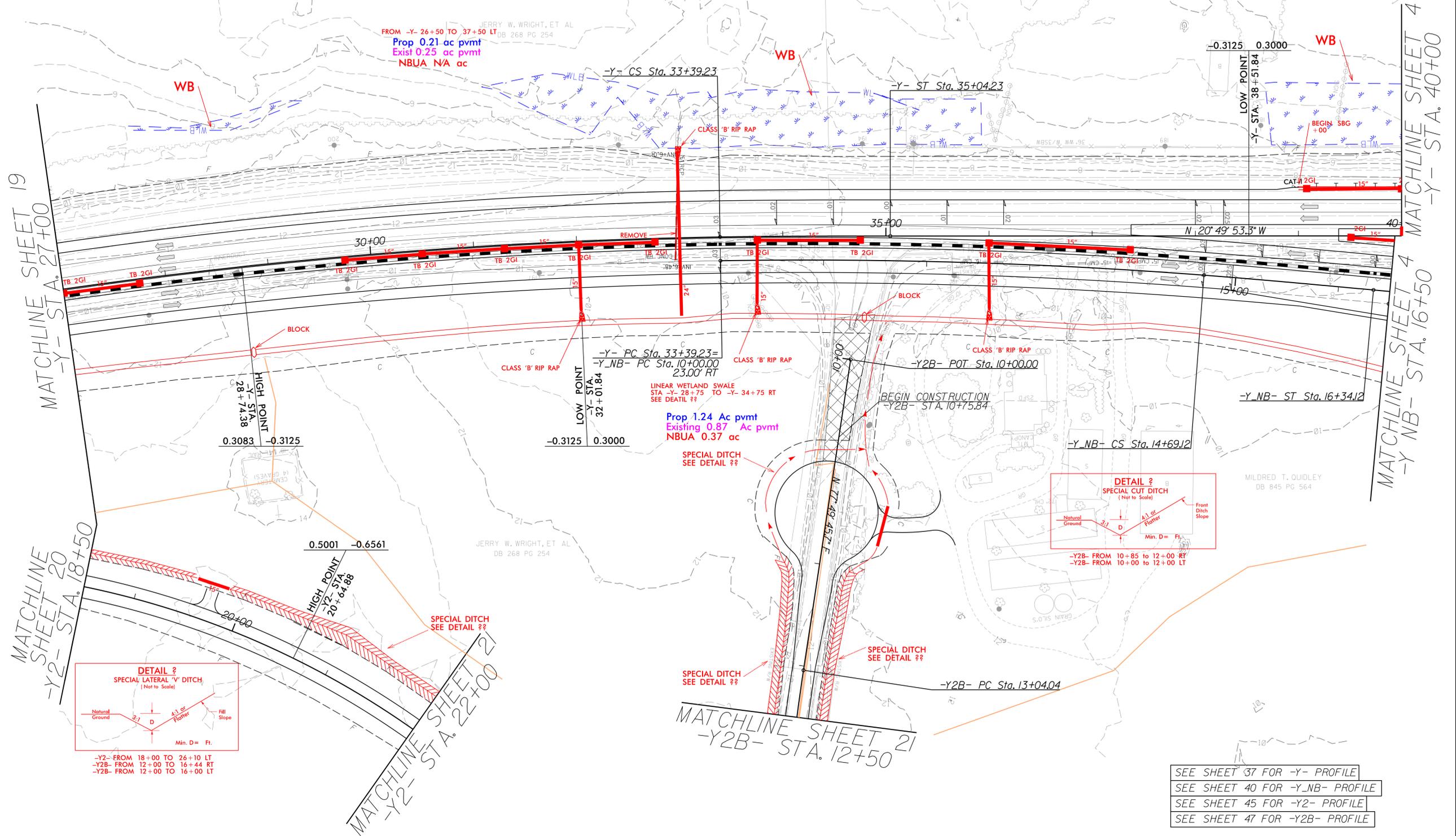
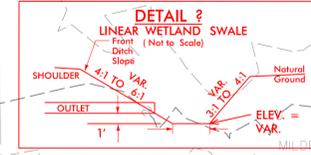
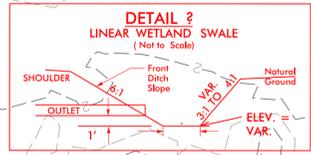
PROJECT REFERENCE NO. R-2576 SHEET NO. 20

ROADWAY DESIGN ENGINEER PAVEMENT DESIGN ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PAVED SHOULDER



SEE SHEET 37 FOR -Y- PROFILE
SEE SHEET 40 FOR -Y_NB- PROFILE
SEE SHEET 45 FOR -Y2- PROFILE
SEE SHEET 47 FOR -Y2B- PROFILE

8/16/2016
C:\Users\jlochner\Documents\Projects\2576\2576_HYD_psh20.dgn
USER: jlochner

6/2/09

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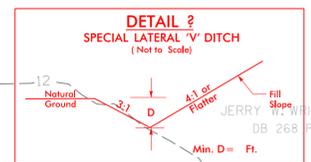
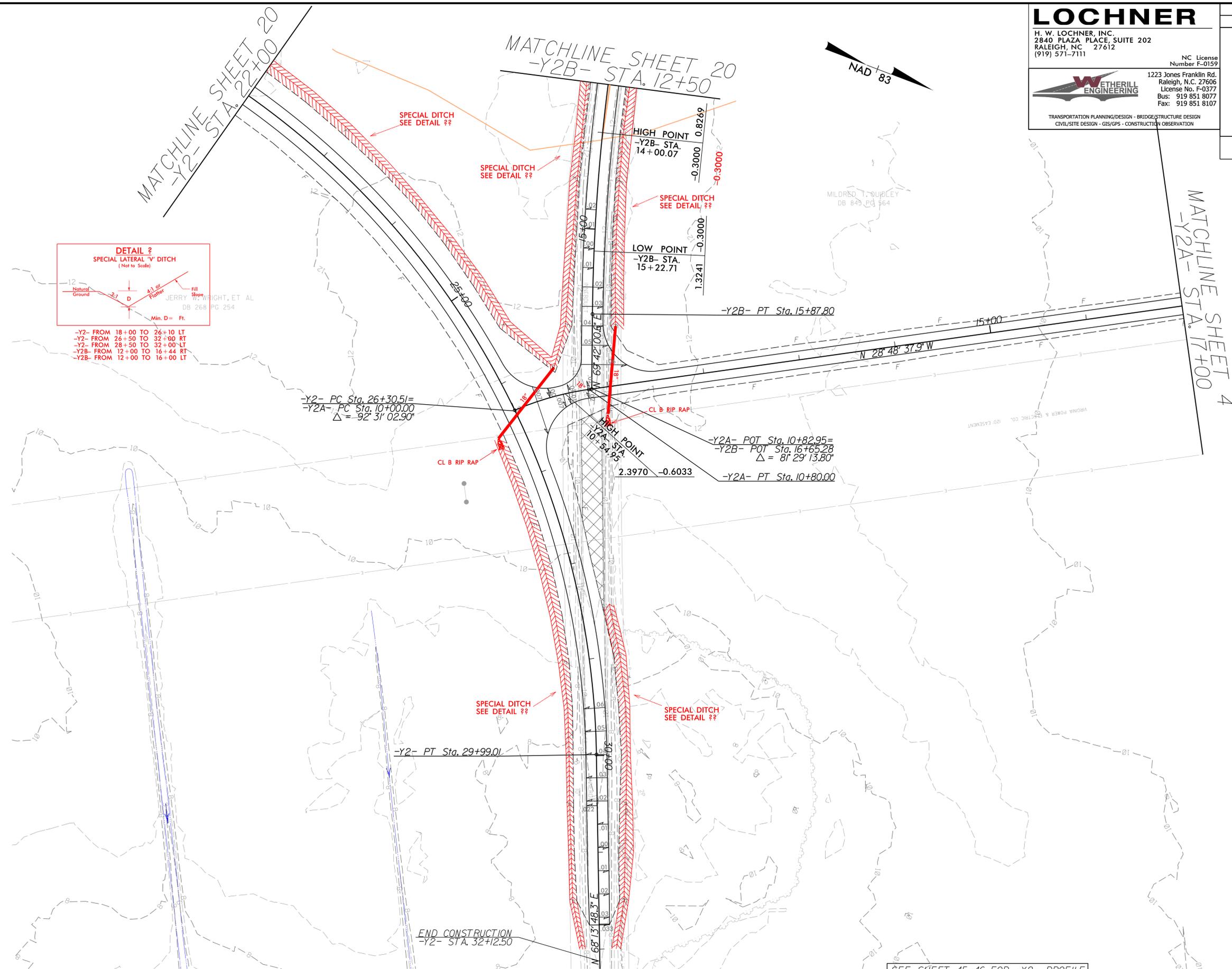
WETHERILL ENGINEERING
 1223 Jones Franklin Rd.
 Raleigh, N.C. 27606
 License No. F-0377
 Bus: 919 851 8077
 Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO. R-2576	SHEET NO. 21
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PAVED SHOULDER



- Y2- FROM 18+00 TO 26+10 LT
- Y2- FROM 26+50 TO 32+00 RT
- Y2B- FROM 12+00 TO 16+44 RT
- Y2B- FROM 12+00 TO 16+00 LT

-Y2- PC Sta. 26+30.51=
 -Y2A- PC Sta. 10+00.00
 $\Delta = 92^\circ 31' 02.90''$

-Y2A- POT Sta. 10+82.95=
 -Y2B- POT Sta. 16+65.28
 $\Delta = 81^\circ 29' 13.80''$

SEE SHEET 45-46 FOR -Y2- PROFILE
 SEE SHEET 46 FOR -Y2A- PROFILE
 SEE SHEET 47 FOR -Y2B- PROFILE

6/2/09

8/16/2016
C:\Users\jcs\OneDrive\PSHs\1R2576_HYD_psh22.dgn
USER: jcs

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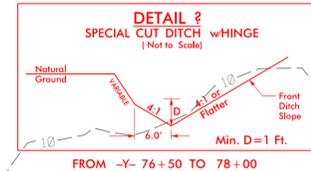
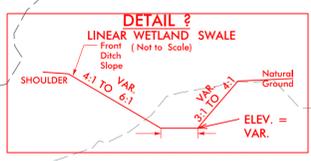
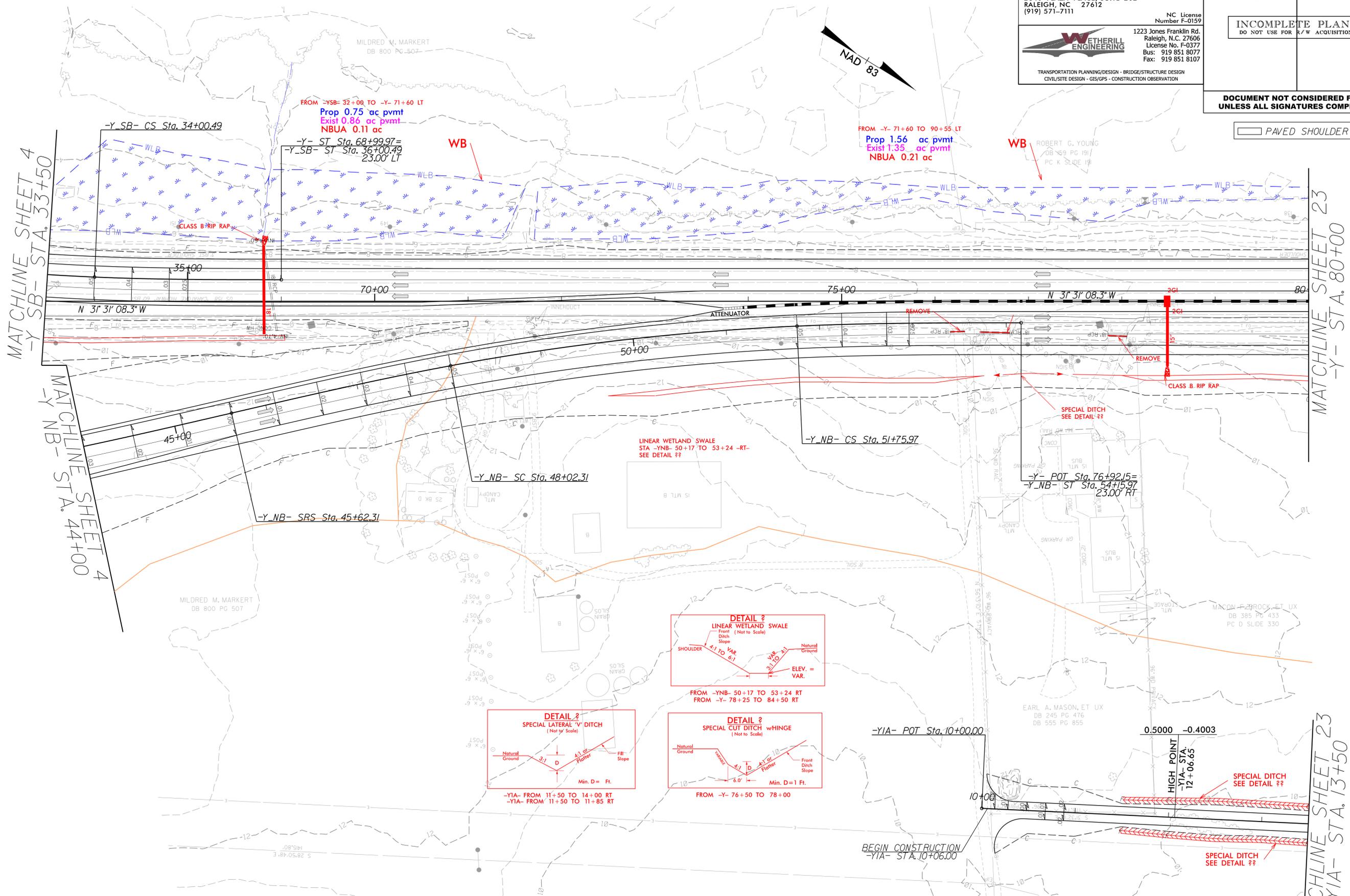
WETHERILL ENGINEERING
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 Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO. R-2576	SHEET NO. 22
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PAVED SHOULDER



-YIA- POT Sta. 10+00.00

0.5000 -0.4003
HIGH POINT
-YIA- STA. 12+06.65

BEGIN CONSTRUCTION
-YIA- STA. 10+06.00

SEE SHEET 37-38 FOR -Y- PROFILE SEE SHEET 40-41 FOR -Y-NB- PROFILE
 SEE SHEET 39 FOR -Y-SB- PROFILE SEE SHEET 44 FOR -YIA- PROFILE

MATCHLINE SHEET 4
-Y-SB- STA. 33+50

MATCHLINE SHEET 4
-Y-NB- STA. 44+00

MATCHLINE SHEET 23
-Y- STA. 80+00

MATCHLINE SHEET 23
-YIA- STA. 13+50

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License No. F-0377
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Fax: 919 851 8107



TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO. R-2576 SHEET NO. 23

ROADWAY DESIGN ENGINEER PAVEMENT DESIGN ENGINEER

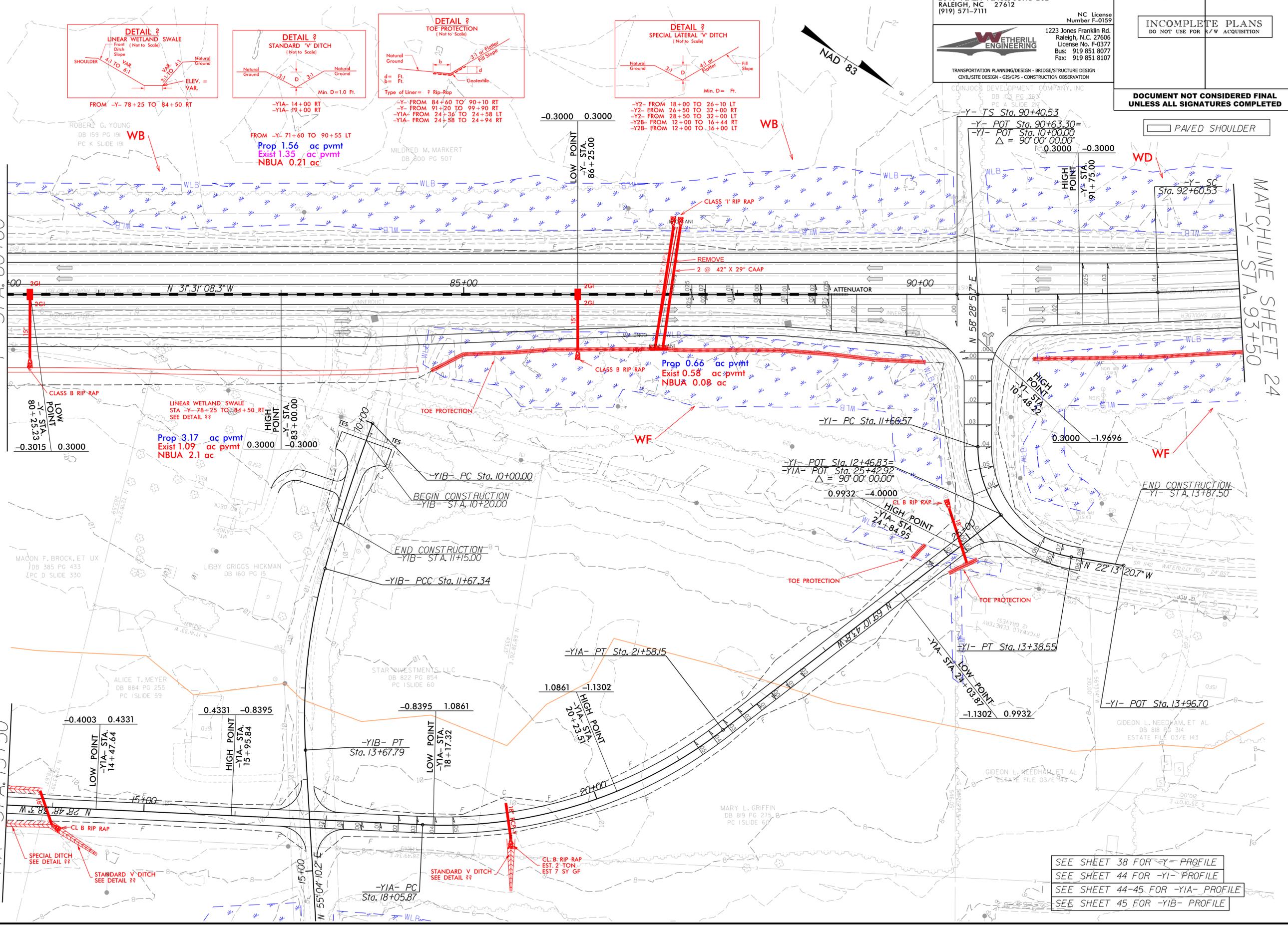
INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

MATCHLINE SHEET 22
-Y- STA. 80+00

MATCHLINE SHEET 22
-YIA- STA. 13+50

MATCHLINE SHEET 24
-Y- STA. 93+50



SEE SHEET 38 FOR -Y- PROFILE
 SEE SHEET 44 FOR -YI- PROFILE
 SEE SHEET 44-45 FOR -YIA- PROFILE
 SEE SHEET 45 FOR -YIB- PROFILE

8/7/2019
C:\Users\psh\Documents\PSHs\R2576_HYD_psh23.dgn
USER: psh

6/2/2019

S:\Projects\2019\19-0001\19-0001.dgn

LOCHNER
 H. W. LOCHNER, INC.
 2840 PLAZA PLACE, SUITE 202
 RALEIGH, NC 27612
 (919) 371-7111

NC License
 Number F-0159

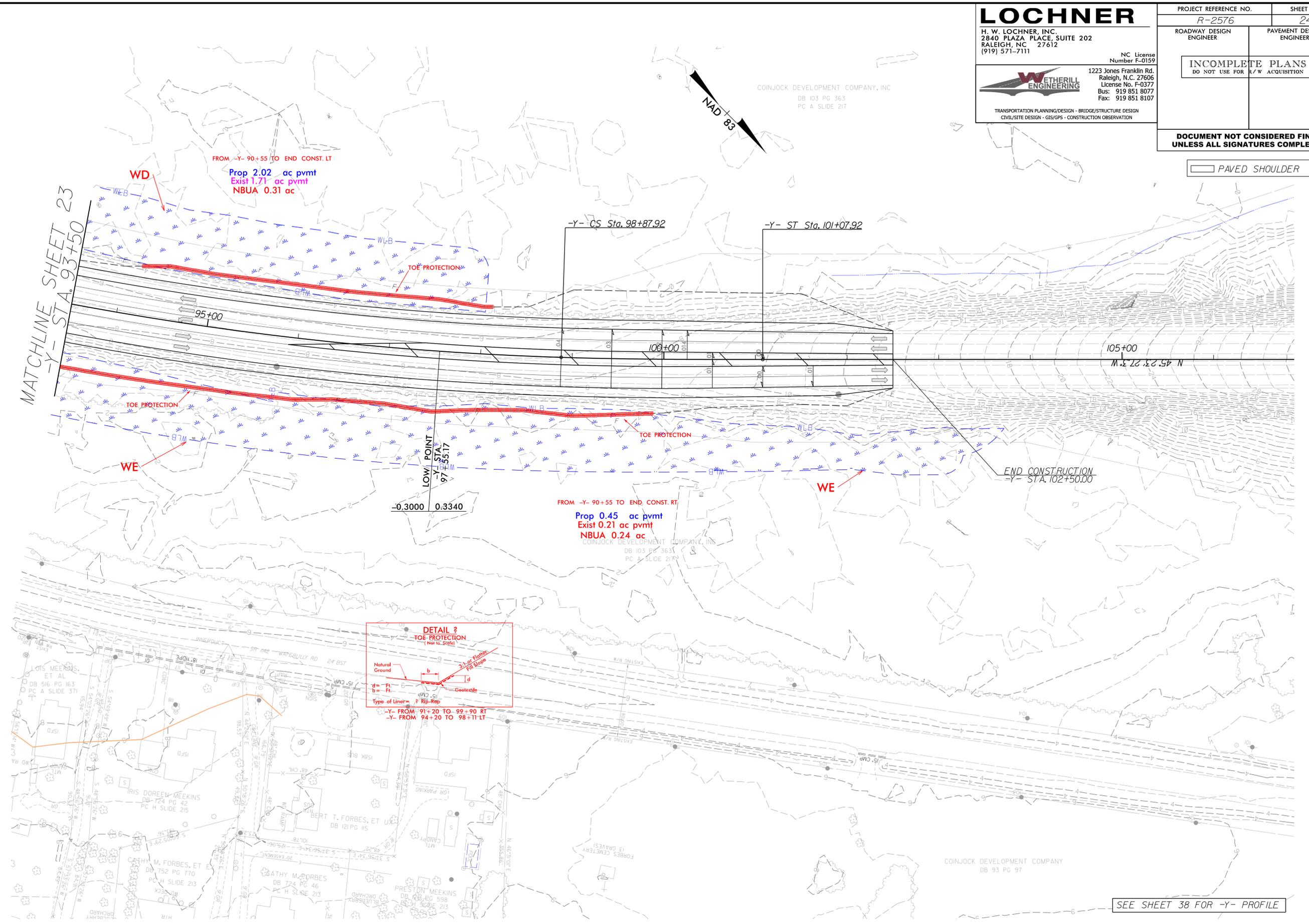
WETHERILL ENGINEERING
 1223 Jones Franklin Rd.
 Raleigh, N.C. 27606
 License No. F-0377
 Bus: 919 851 8077
 Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO. R-2576	SHEET NO. 24
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER
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PAVED SHOULDER



SEE SHEET 38 FOR -Y- PROFILE

6/2/2019

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NC License
 Number F-0159

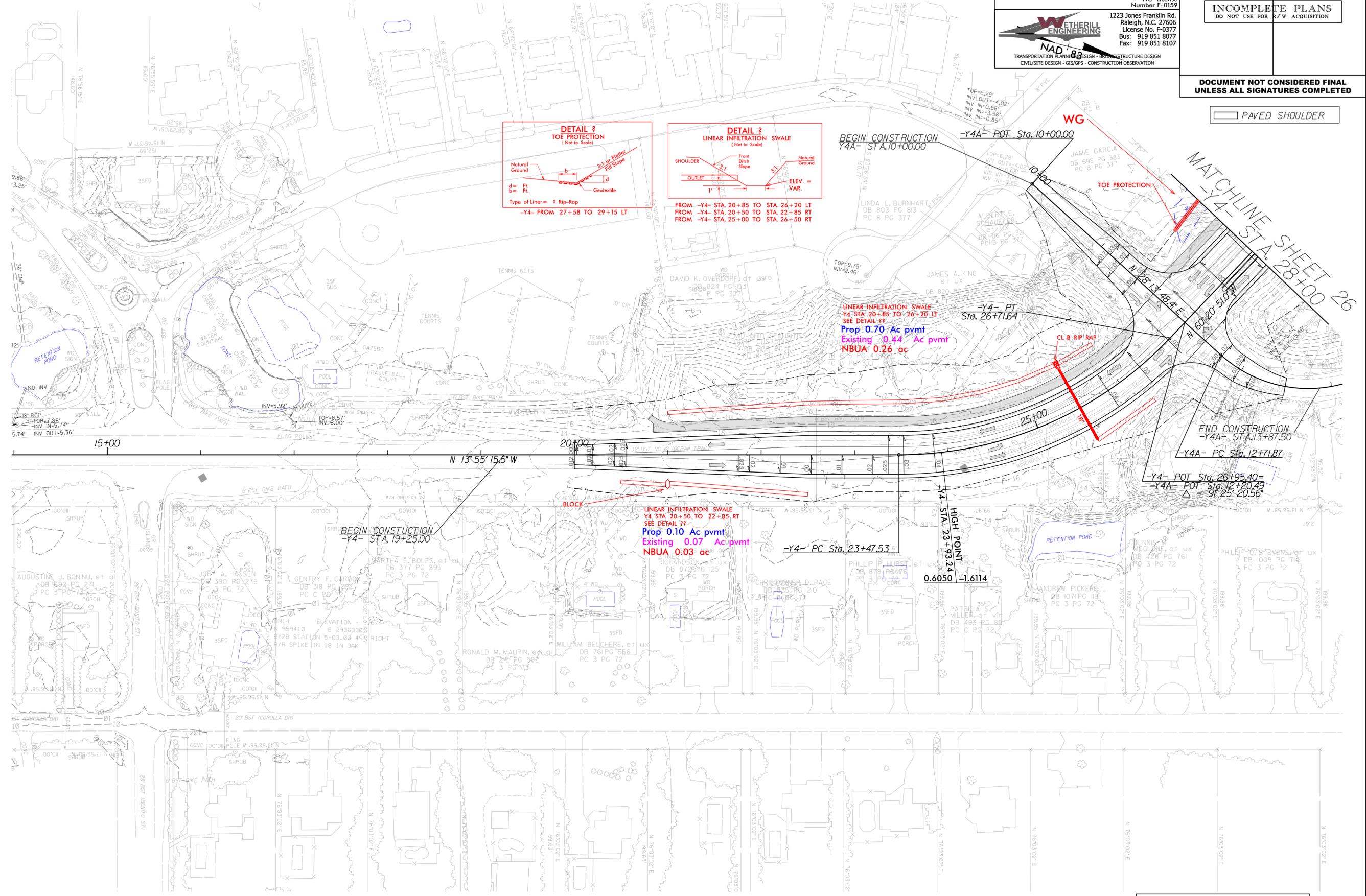
WETHERILL ENGINEERING
 1223 Jones Franklin Rd.
 Raleigh, N.C. 27606
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 Bus: 919 851 8077
 Fax: 919 851 8107

TRANSPORTATION PLANNING - DESIGN - BRIDGE STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO. R-2576	SHEET NO. 25
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER
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SEE SHEET 48 FOR -Y4- PROFILE
SEE SHEET 49 FOR -Y4A- PROFILE

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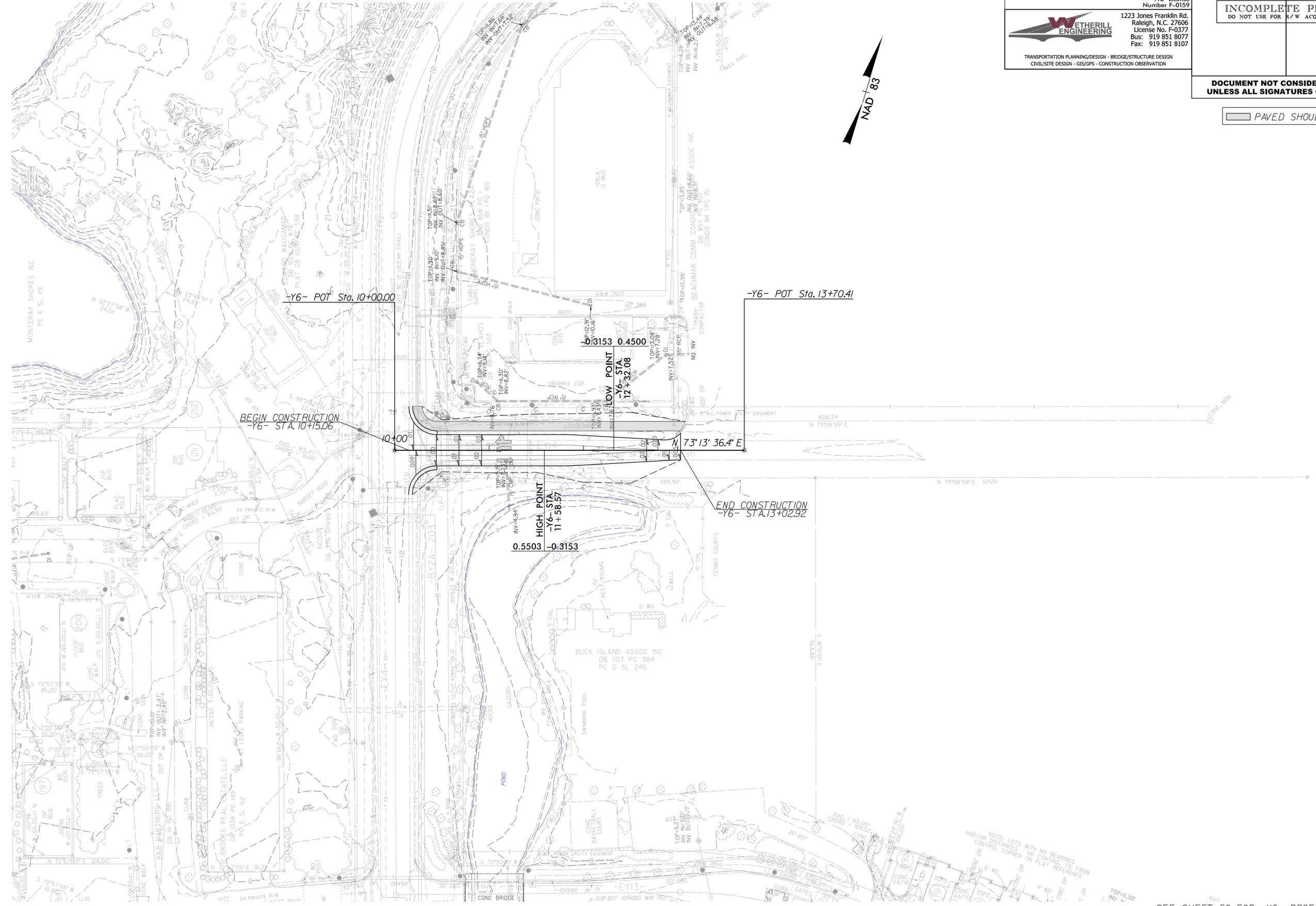
1223 Jones Franklin Rd.
Raleigh, N.C. 27606
License No. F-0377
Bus: 919 851 8077
Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO. <i>R-2576</i>	SHEET NO. <i>28</i>
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	

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PAVED SHOULDER



BEGIN CONSTRUCTION
-Y6- STA. 10+15.06

-Y6- POT Sta. 13+70.41

END CONSTRUCTION
-Y6- STA. 13+02.92

0.5503 - 0.3153

LOW POINT
-Y6- STA. 12+32.08

HIGH POINT
-Y6- STA. 11+58.57

NOTES: LOTS WITH NO BEARINGS
AND/OR DISTANCES - NO CONTROL FROM
CONTROL CORNER ON PLAT REFERENCE

SEE SHEET 50 FOR -Y6- PROFILE

6/2/99

8/7/2019
P:\H2019\Projects\2576-HYD-psd\2576.dgn
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO. SHEET NO.

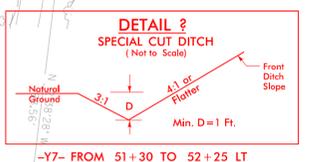
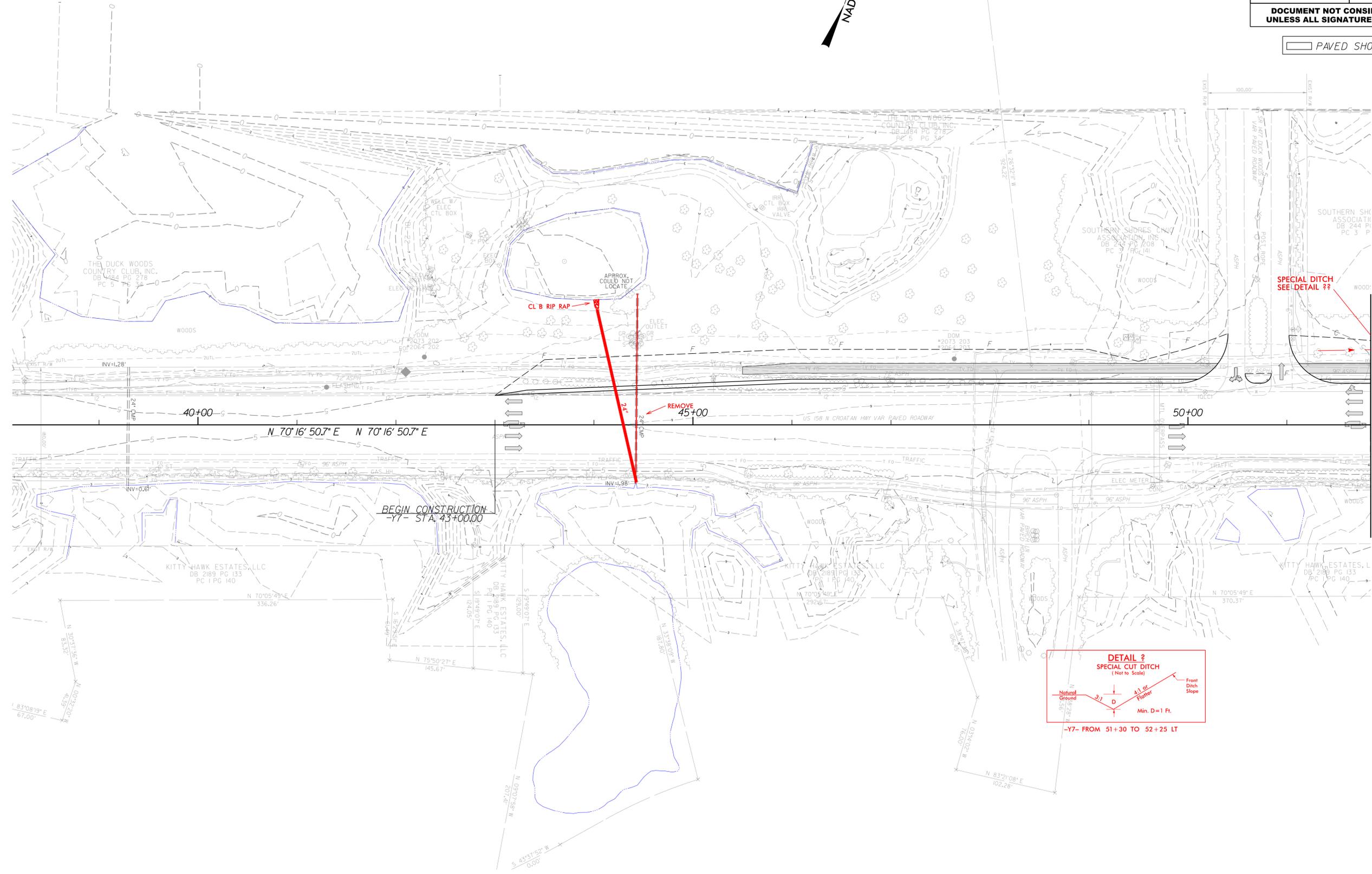
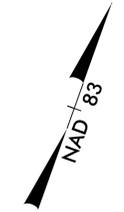
R-2576 29

ROADWAY DESIGN ENGINEER PAVEMENT DESIGN ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PAVED SHOULDER



MATCHLINE SHEET 30
-Y7- STA. 52+00

SEE SHEET 50 FOR -Y7- PROFILE

6/2/99

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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO. SHEET NO.

R-2576 30

ROADWAY DESIGN ENGINEER PAVEMENT DESIGN ENGINEER

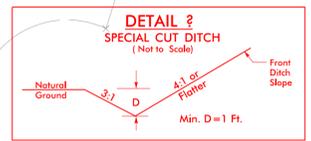
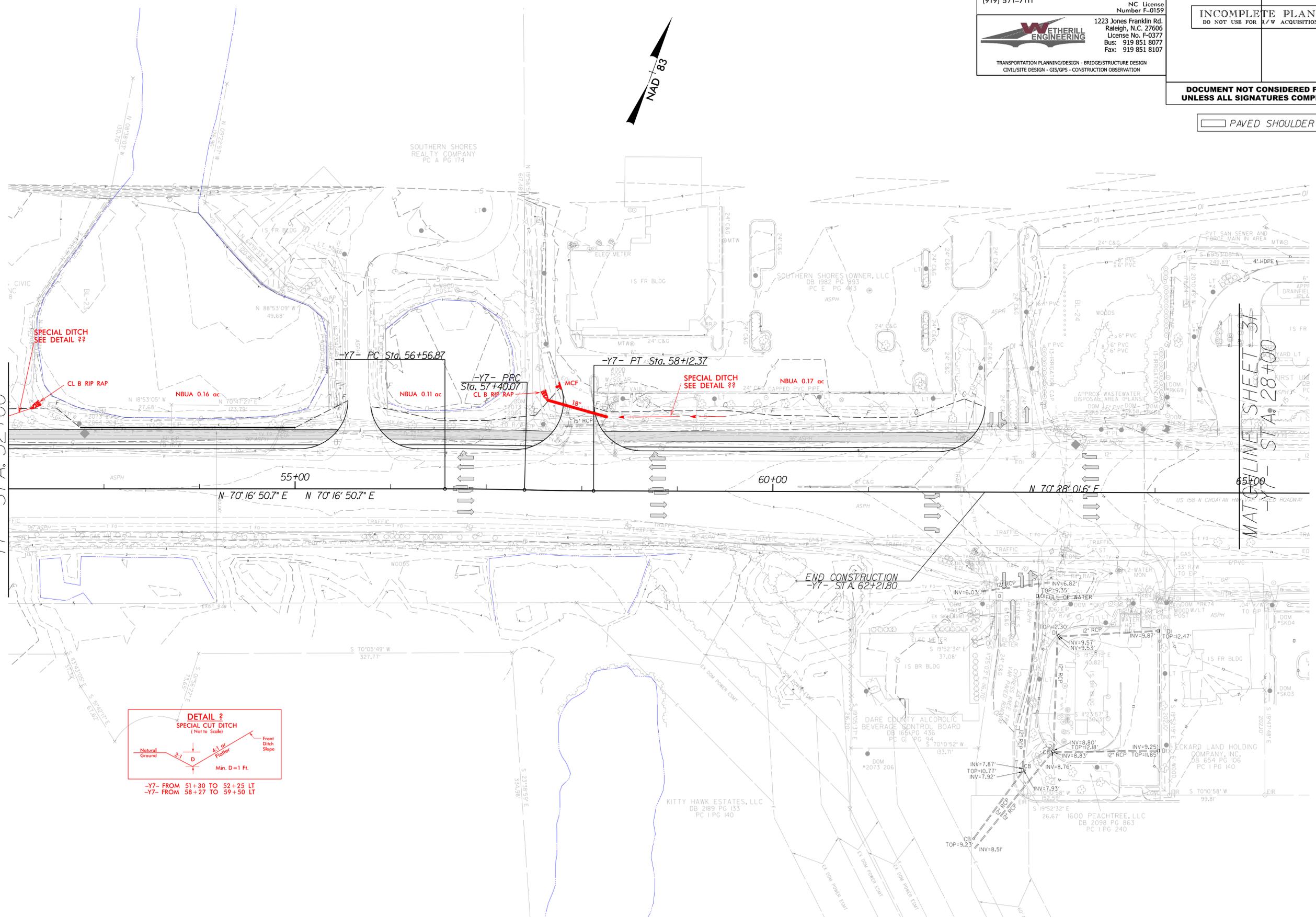
INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

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UNLESS ALL SIGNATURES COMPLETED

PAVED SHOULDER

MATCHLINE SHEET 29
-Y7- STA. 52+00

MATCHLINE SHEET 31
-Y7- STA. 28+00



-Y7- FROM 51+30 TO 52+25 LT
-Y7- FROM 58+27 TO 59+50 LT

SEE SHEET 51 FOR -Y7- PROFILE

8/7/2016
C:\Users\jacob\OneDrive\Documents\Projects\125576_HYD_psh\30.dgn