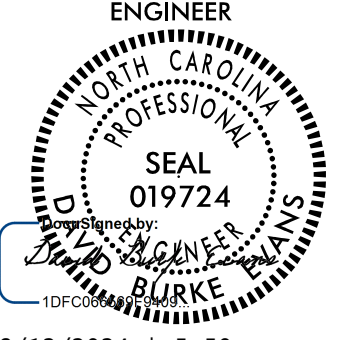
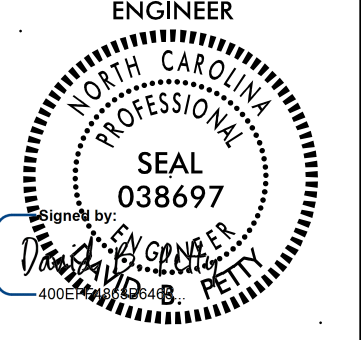


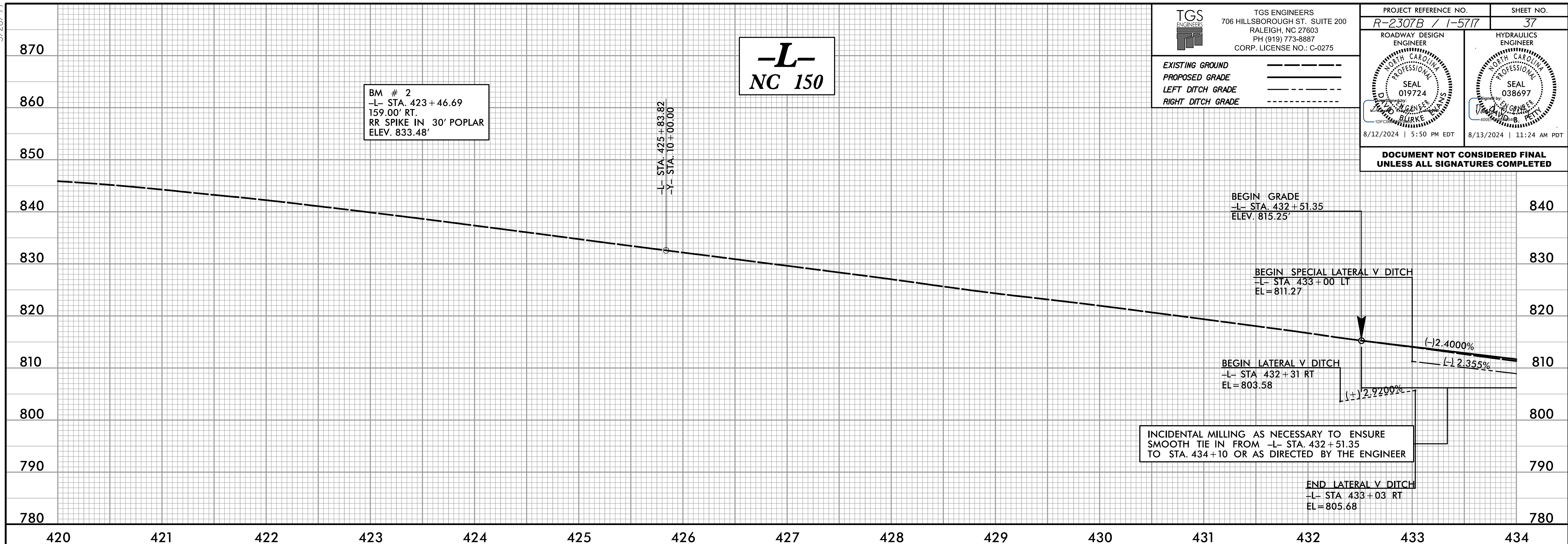
5/28/24

TGS ENGINEERS
 706 HILLSBOROUGH ST. SUITE 200
 RALEIGH, NC 27603
 PH (919) 773-8887
 CORP. LICENSE NO.: C-0275

EXISTING GROUND _____
 PROPOSED GRADE _____
 LEFT DITCH GRADE _____
 RIGHT DITCH GRADE _____

PROJECT REFERENCE NO. R-2307B / I-5717	SHEET NO. 37
ROADWAY DESIGN ENGINEER 	HYDRAULICS ENGINEER 
8/12/2024 5:50 PM EDT	8/13/2024 11:24 AM PDT

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



8/12/2024
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 TJB

5/28/24

-L-
NC 150

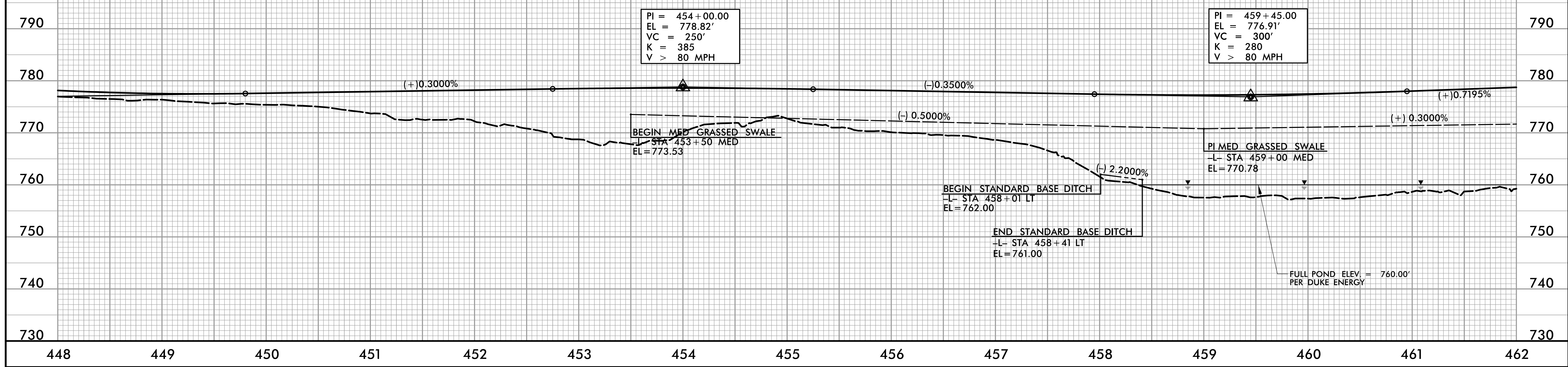
BM # 5
-L- STA. 456+94.88
52.35' LT.
RR SPIKE IN 13" TRIPLE POPLAR
ELEV. 777.19'

TGS ENGINEERS
706 HILLSBOROUGH ST., SUITE 200
RALEIGH, NC 27603
PH (919) 773-8887
CORP. LICENSE NO.: C-0275

EXISTING GROUND _____
PROPOSED GRADE _____
LEFT DITCH GRADE _____
RIGHT DITCH GRADE _____

PROJECT REFERENCE NO. R-2307B / I-5717	SHEET NO. 38
ROADWAY DESIGN ENGINEER SEAL 019724 DAVID BURKE	HYDRAULICS ENGINEER SEAL 038697 DAVID BURKE
8/12/2024 5:50 PM EDT	8/13/2024 11:24 AM PDT

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



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User: j...

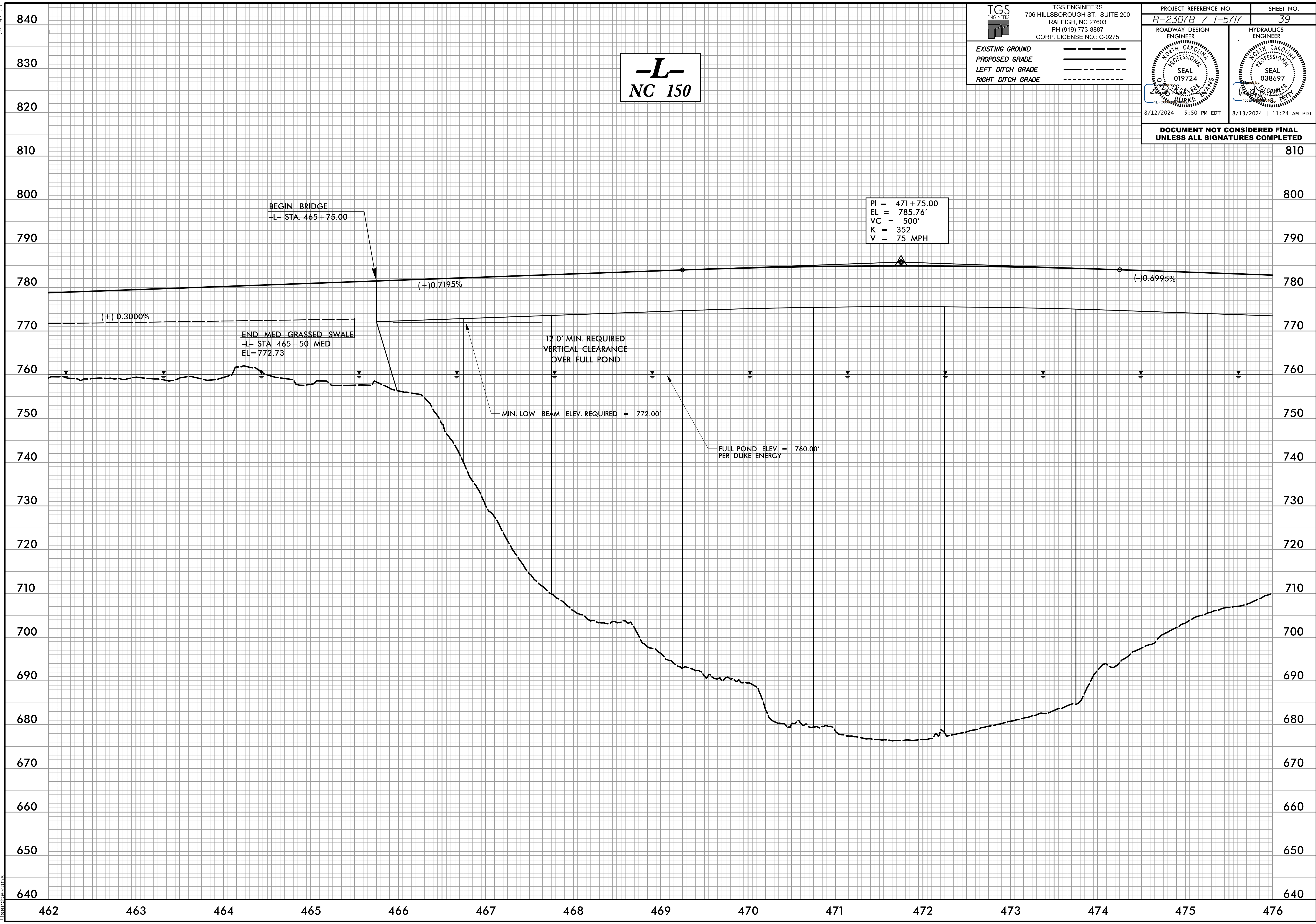
5/14/99

TGS ENGINEERS
 706 HILLSBOROUGH ST. SUITE 200
 RALEIGH, NC 27603
 PH (919) 773-8887
 CORP. LICENSE NO.: C-0275

EXISTING GROUND ———
 PROPOSED GRADE ———
 LEFT DITCH GRADE - - - -
 RIGHT DITCH GRADE - - - -

PROJECT REFERENCE NO. R-2307B / I-577	SHEET NO. 39
ROADWAY DESIGN ENGINEER DAVID BURKE SEAL 019724	HYDRAULICS ENGINEER DAVID BURKE SEAL 038697
8/12/2024 5:50 PM EDT	8/13/2024 11:24 AM PDT

-L-
NC 150



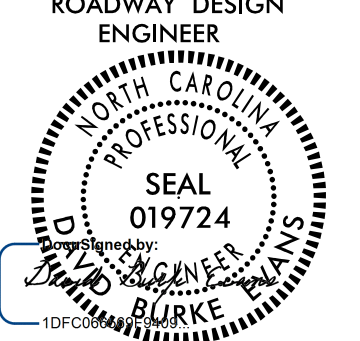
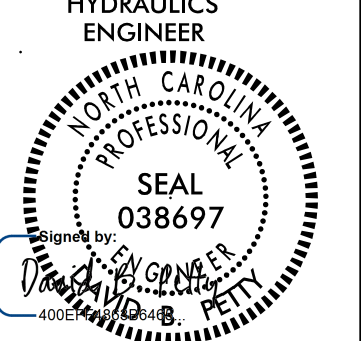
**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

8/12/2024
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User: dave

5/14/99

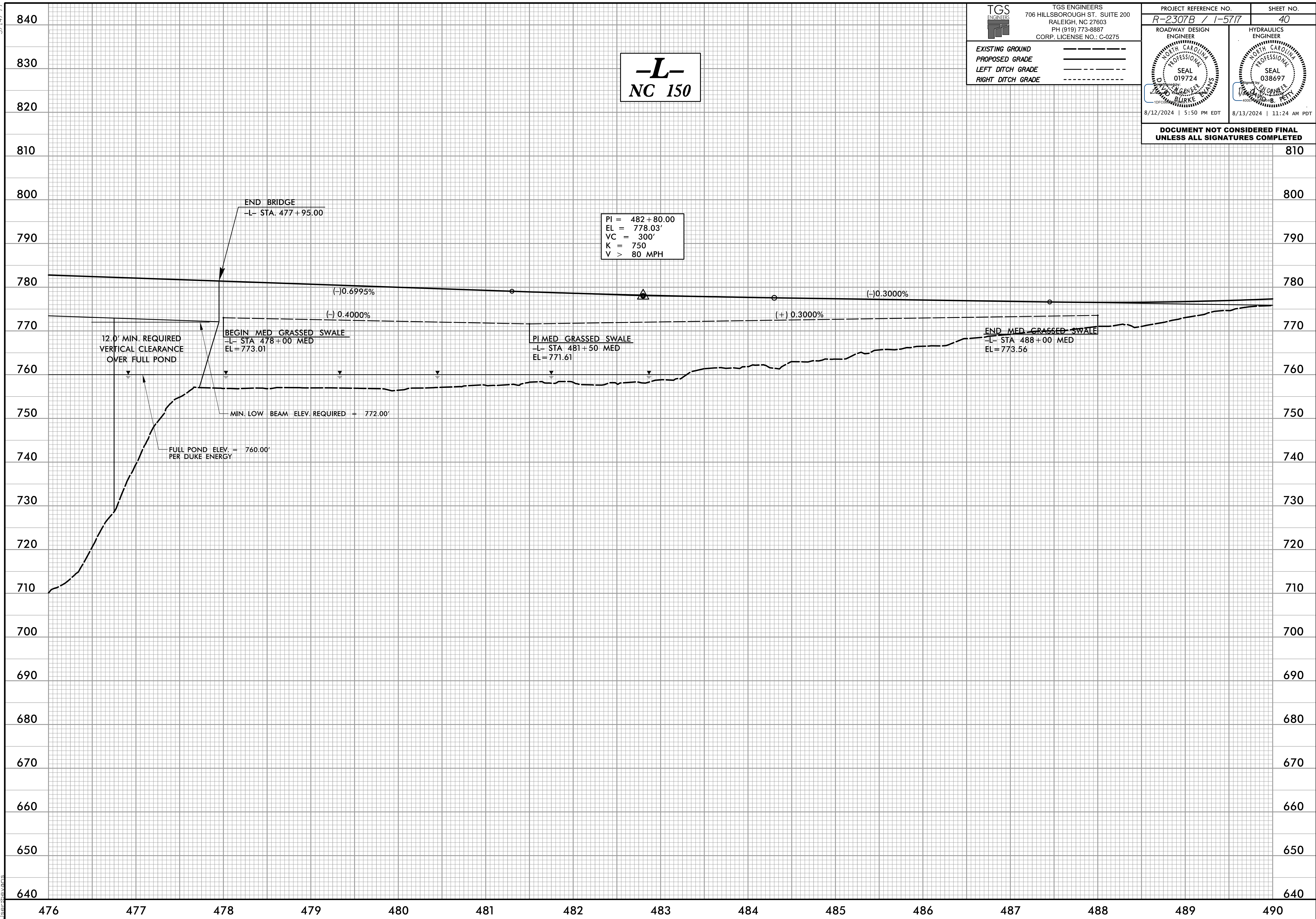
TGS ENGINEERS
 706 HILLSBOROUGH ST. SUITE 200
 RALEIGH, NC 27603
 PH (919) 773-8887
 CORP. LICENSE NO.: C-0275

EXISTING GROUND ———
 PROPOSED GRADE ———
 LEFT DITCH GRADE - - - -
 RIGHT DITCH GRADE - - - -

PROJECT REFERENCE NO. R-2307B / I-577	SHEET NO. 40
ROADWAY DESIGN ENGINEER  T. J. BURKE 8/12/2024 5:50 PM EDT	HYDRAULICS ENGINEER  T. J. BURKE 8/13/2024 11:24 AM PDT

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**-L-
NC 150**



8/12/2024
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 User:tburke

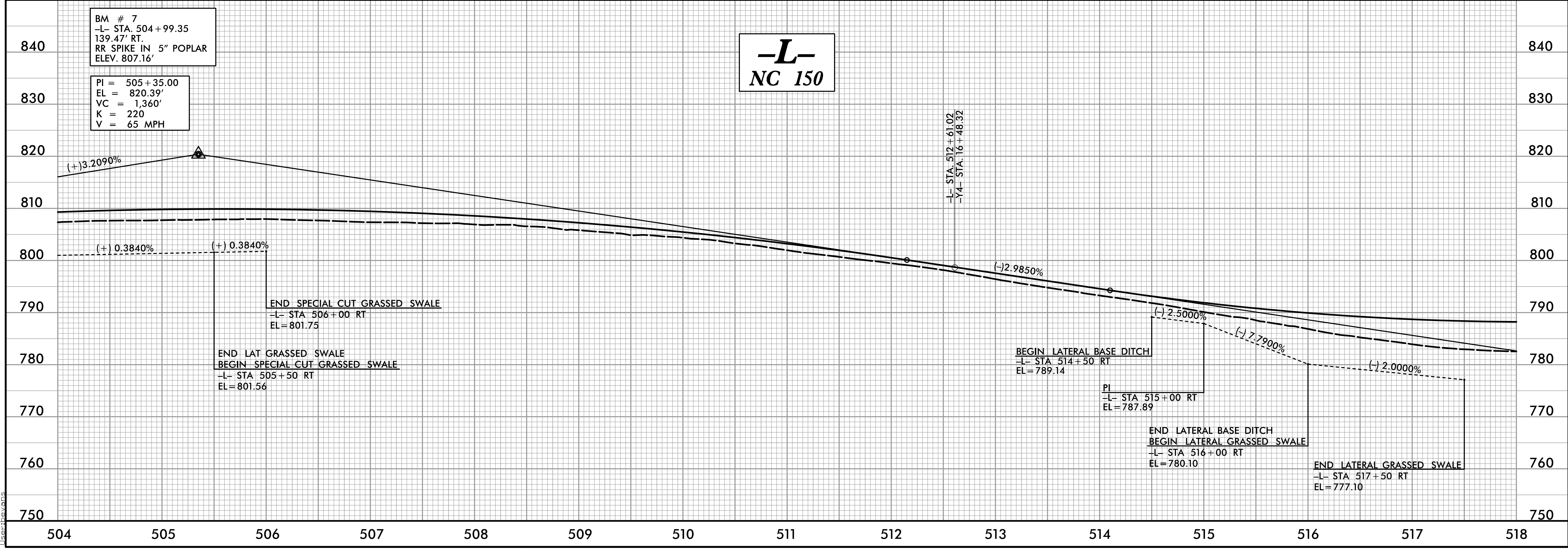
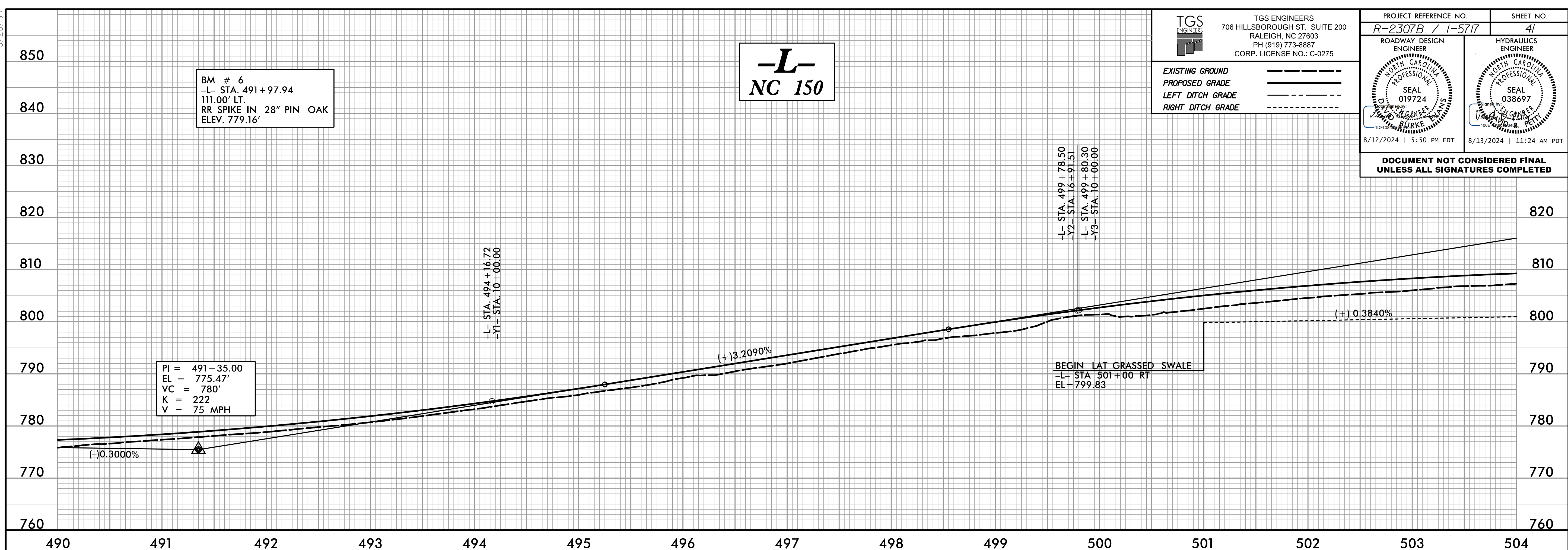
5/28/24

TGS ENGINEERS
 706 HILLSBOROUGH ST. SUITE 200
 RALEIGH, NC 27603
 PH (919) 773-8887
 CORP. LICENSE NO.: C-0275

EXISTING GROUND - - - - -
 PROPOSED GRADE - - - - -
 LEFT DITCH GRADE - - - - -
 RIGHT DITCH GRADE - - - - -

PROJECT REFERENCE NO. R-2307B / I-5717	SHEET NO. 41
ROADWAY DESIGN ENGINEER PROFESSIONAL SEAL 019724 <i>[Signature]</i>	HYDRAULICS ENGINEER PROFESSIONAL SEAL 038697 <i>[Signature]</i>
8/12/2024 5:50 PM EDT	8/13/2024 11:24 AM PDT

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8/12/2024
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 User: jshivers

5/28/24

TGS ENGINEERS
 706 HILLSBOROUGH ST. SUITE 200
 RALEIGH, NC 27603
 PH (919) 773-8887
 CORP. LICENSE NO.: C-0275

EXISTING GROUND

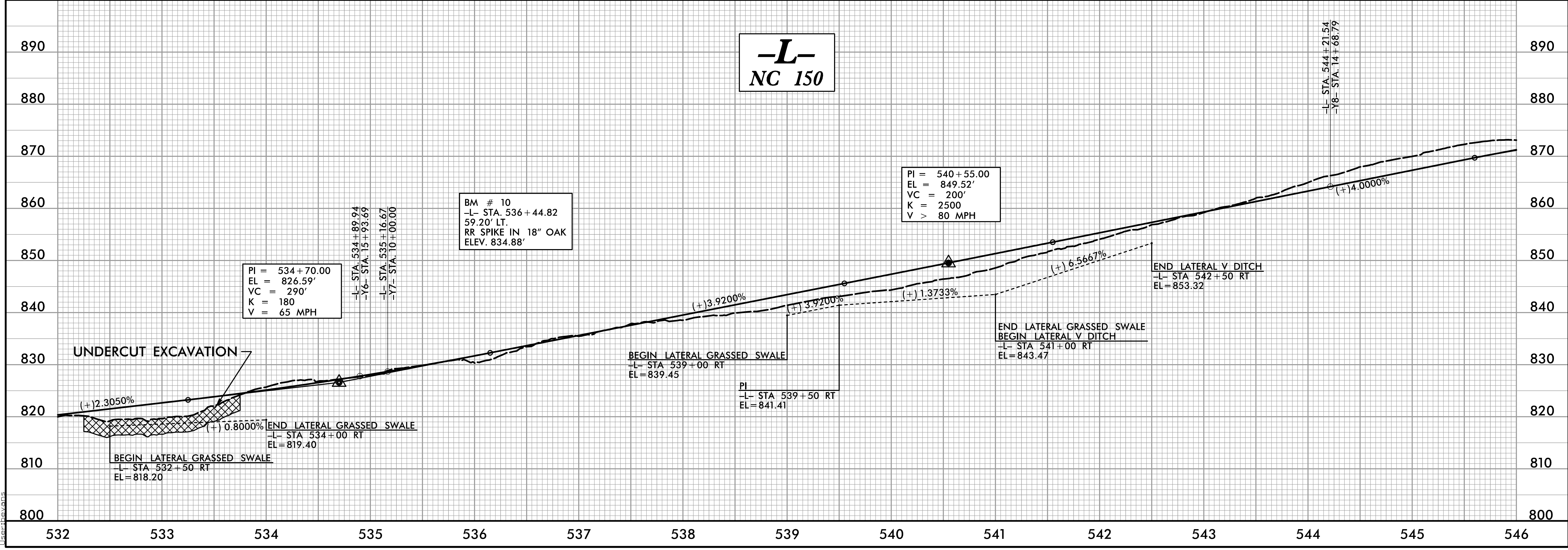
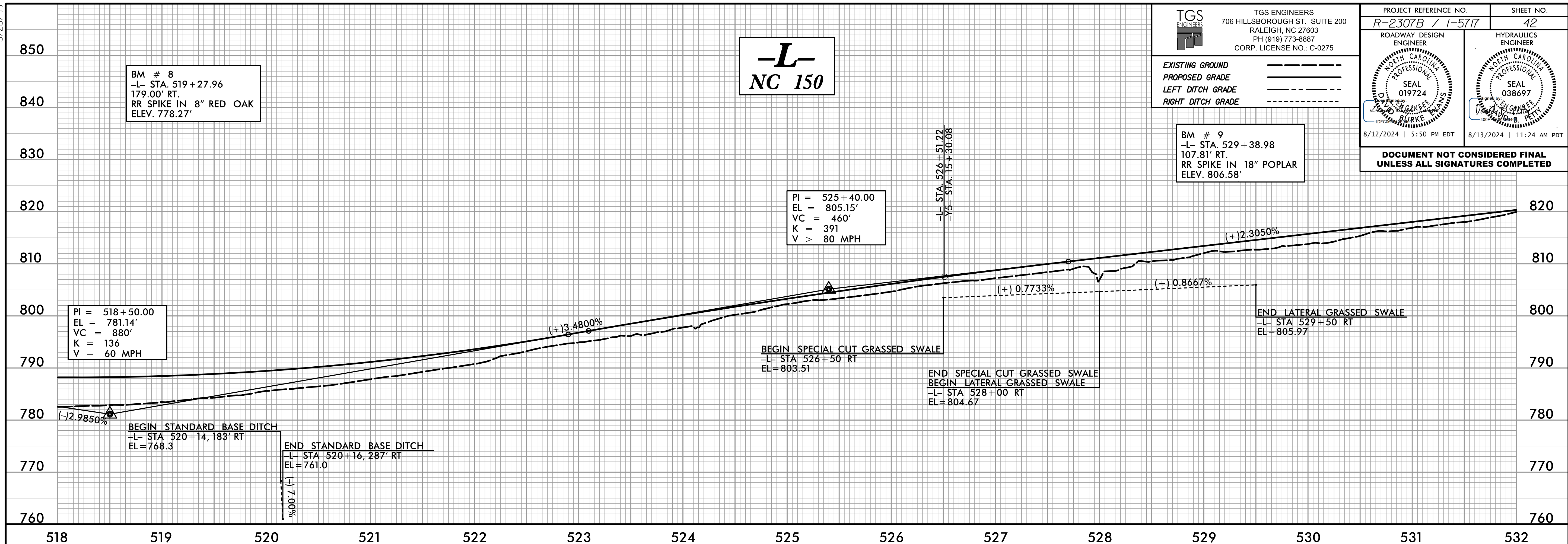
PROPOSED GRADE

LEFT DITCH GRADE

RIGHT DITCH GRADE

PROJECT REFERENCE NO. R-2307B / I-5717	SHEET NO. 42
ROADWAY DESIGN ENGINEER PROFESSIONAL SEAL 019724 <i>Timothy Burke</i>	HYDRAULICS ENGINEER PROFESSIONAL SEAL 038697 <i>Timothy Burke</i>
8/12/2024 5:50 PM EDT	8/13/2024 11:24 AM PDT





DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED


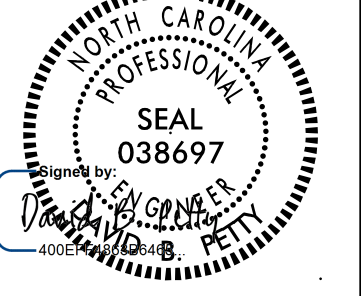


8/12/2024
 STA 532+50
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 User: tburke

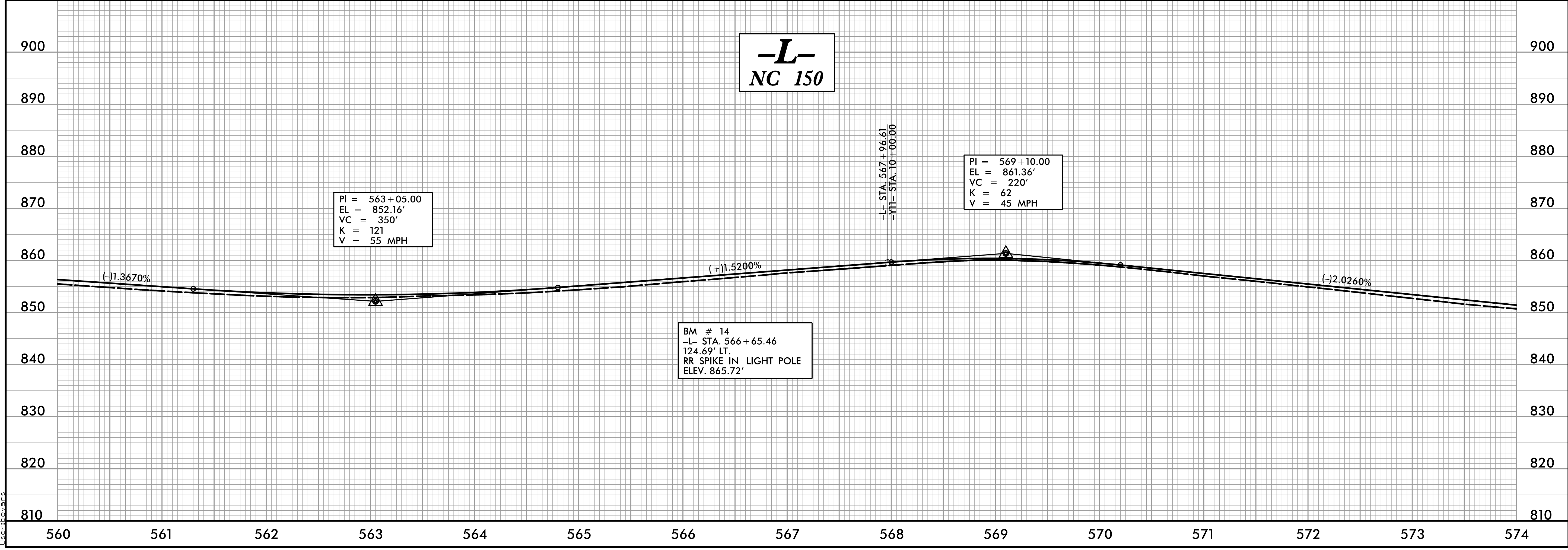
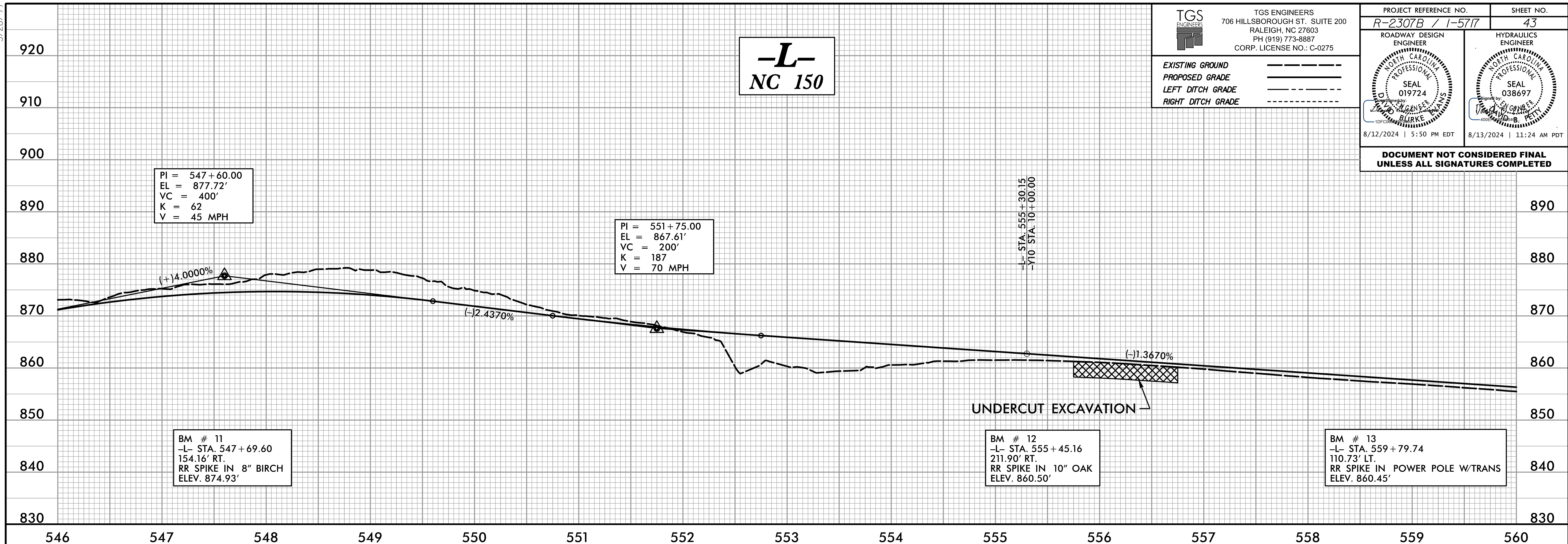
5/28/24

TGS ENGINEERS
 706 HILLSBOROUGH ST. SUITE 200
 RALEIGH, NC 27603
 PH (919) 773-8887
 CORP. LICENSE NO.: C-0275

EXISTING GROUND 
 PROPOSED GRADE 
 LEFT DITCH GRADE 
 RIGHT DITCH GRADE 

PROJECT REFERENCE NO. R-2307B / I-5717	SHEET NO. 43
ROADWAY DESIGN ENGINEER 	HYDRAULICS ENGINEER 
8/12/2024 5:50 PM EDT	8/13/2024 11:24 AM PDT

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User: [Name]

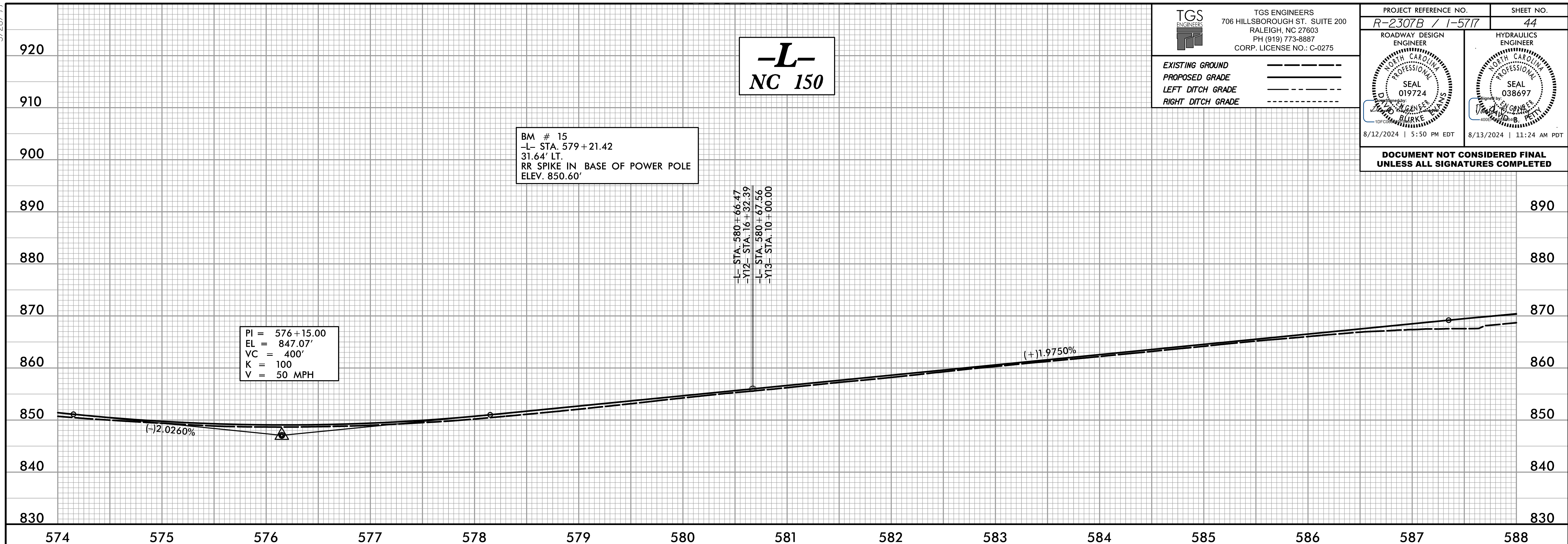
5/28/24

TGS ENGINEERS
 706 HILLSBOROUGH ST. SUITE 200
 RALEIGH, NC 27603
 PH (919) 773-8887
 CORP. LICENSE NO.: C-0275

EXISTING GROUND - - - - -
 PROPOSED GRADE - - - - -
 LEFT DITCH GRADE - - - - -
 RIGHT DITCH GRADE - - - - -

PROJECT REFERENCE NO. R-2307B / I-5717	SHEET NO. 44
ROADWAY DESIGN ENGINEER SEAL 019724 <i>[Signature]</i>	HYDRAULICS ENGINEER SEAL 038697 <i>[Signature]</i>
8/12/2024 5:50 PM EDT	8/13/2024 11:24 AM PDT

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BM # 15
 -L- STA. 579+21.42
 31.64' LT.
 RR SPIKE IN BASE OF POWER POLE
 ELEV. 850.60'

-L-
NC 150

-L- STA. 580+66.47
 -Y12- STA. 16+32.39
 -L- STA. 580+67.56
 -Y13- STA. 10+00.00

8/12/2024
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User: jshans



BM # 16
 -L- STA. 588+45.79
 77.55' LT.
 RR SPIKE IN BASE OF POWER POLE
 ELEV. 872.03'

-L-
NC 150

-L- STA. 594+24.00
 -Y14- STA. 10+00.00

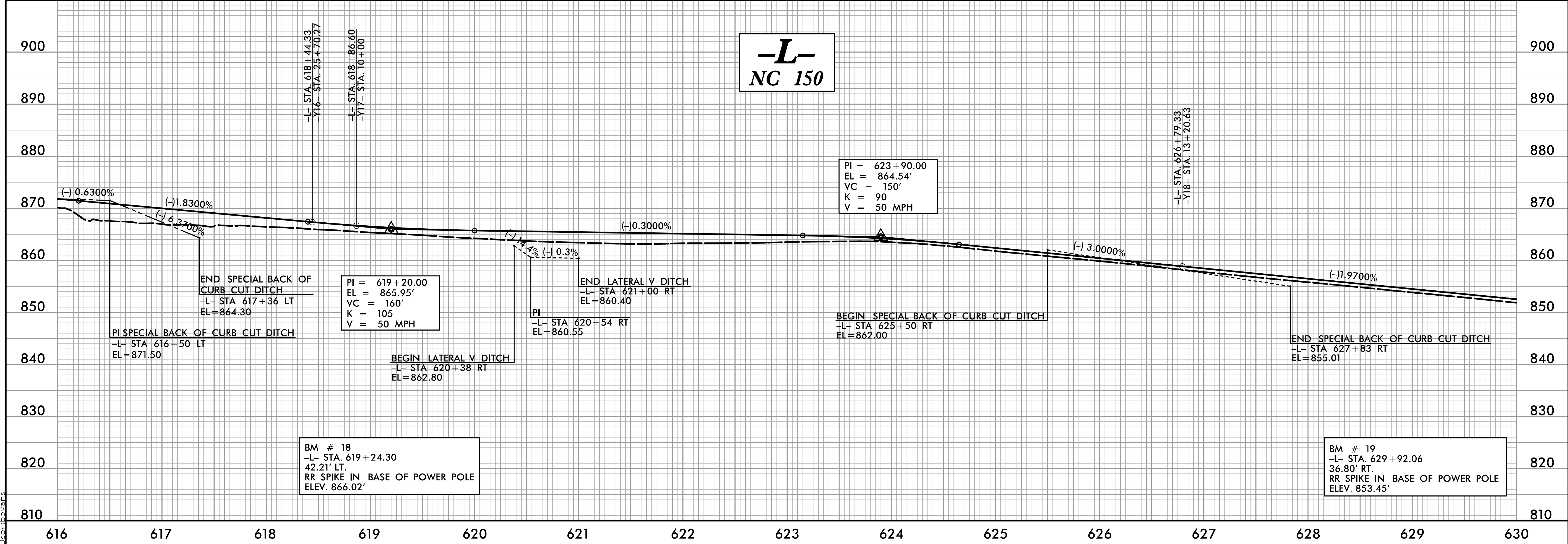
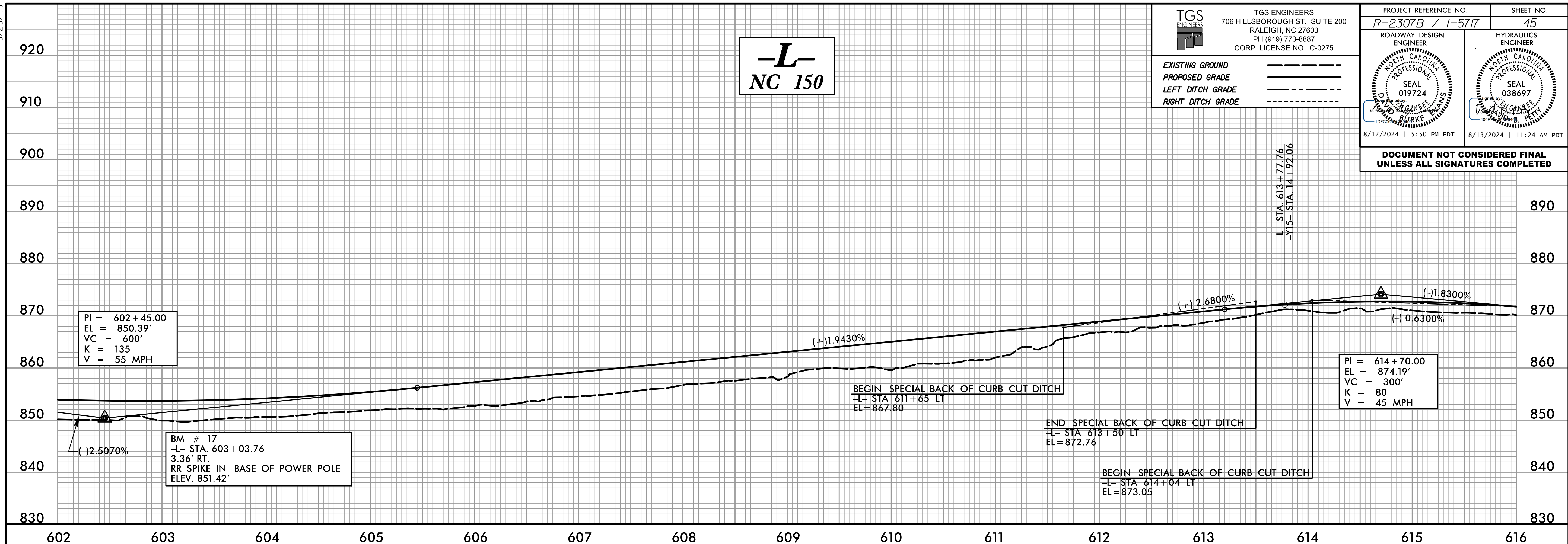
5/28/24

TGS ENGINEERS
 706 HILLSBOROUGH ST. SUITE 200
 RALEIGH, NC 27603
 PH (919) 773-8887
 CORP. LICENSE NO.: C-0275

EXISTING GROUND _____
 PROPOSED GRADE _____
 LEFT DITCH GRADE _____
 RIGHT DITCH GRADE _____

PROJECT REFERENCE NO. R-2307B / I-5717	SHEET NO. 45
ROADWAY DESIGN ENGINEER SEAL 019724 <i>Timothy Burke</i>	HYDRAULICS ENGINEER SEAL 038697 <i>Timothy Burke</i>
8/12/2024 5:50 PM EDT	8/13/2024 11:24 AM PDT





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 STA 602 to STA 630
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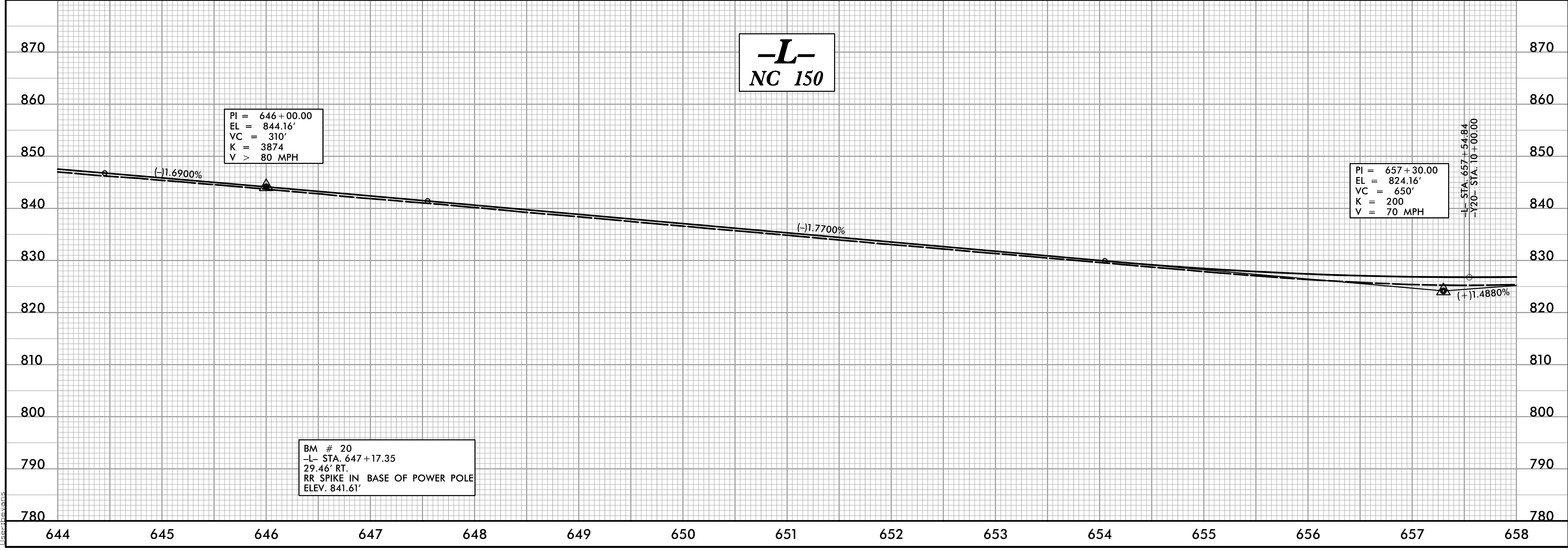
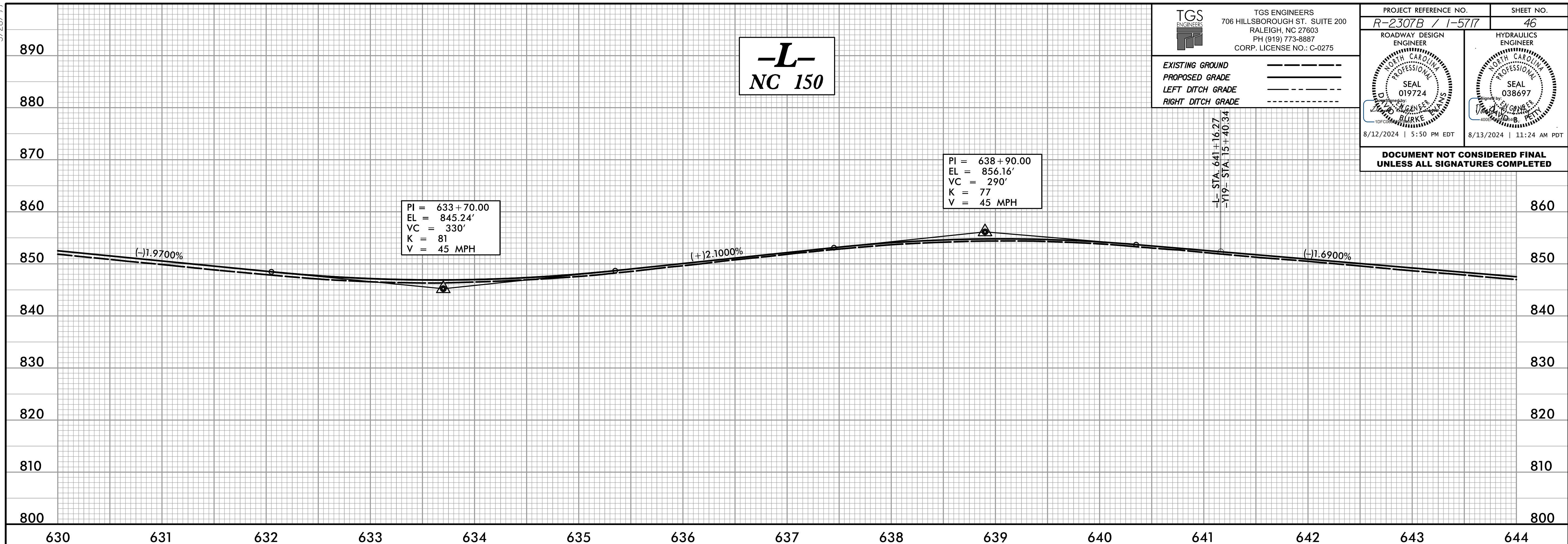
5/28/24

TGS ENGINEERS
 706 HILLSBOROUGH ST. SUITE 200
 RALEIGH, NC 27603
 PH (919) 773-8887
 CORP. LICENSE NO.: C-0275

EXISTING GROUND 
 PROPOSED GRADE 
 LEFT DITCH GRADE 
 RIGHT DITCH GRADE 

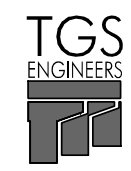
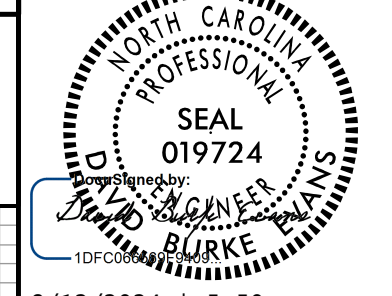



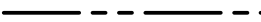

PROJECT REFERENCE NO. R-2307B / I-5717	SHEET NO. 46
ROADWAY DESIGN ENGINEER SEAL 019724 <i>[Signature]</i>	HYDRAULICS ENGINEER SEAL 038697 <i>[Signature]</i>
8/12/2024 5:50 PM EDT	8/13/2024 11:24 AM PDT

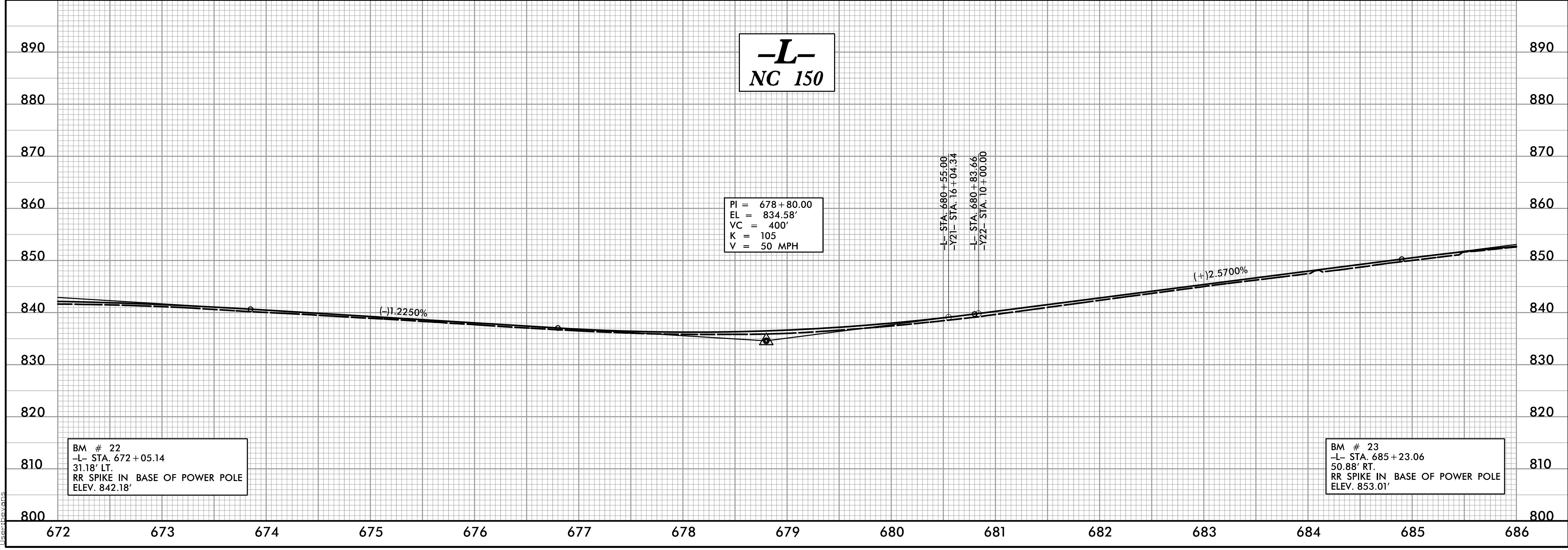
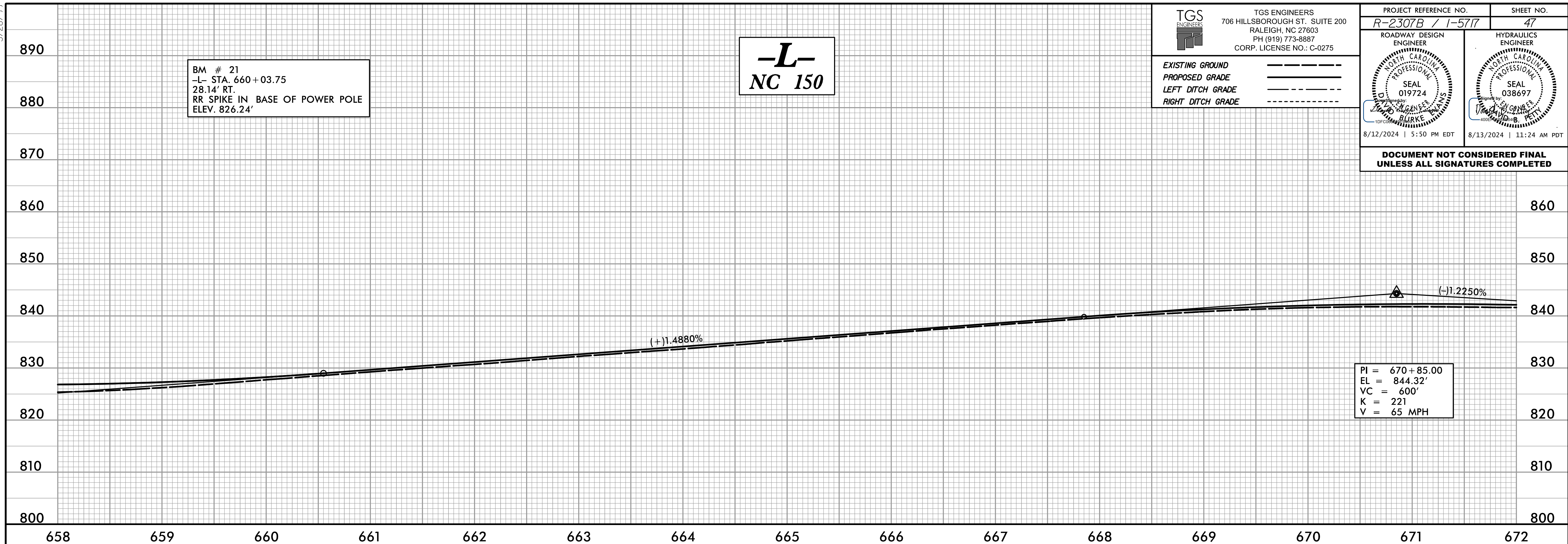
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



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 j...

5/28/24

 <p>TGS ENGINEERS 706 HILLSBOROUGH ST. SUITE 200 RALEIGH, NC 27603 PH (919) 773-8887 CORP. LICENSE NO.: C-0275</p>	PROJECT REFERENCE NO. R-2307B / I-5717	SHEET NO. 47
	<p>ROADWAY DESIGN ENGINEER</p>  <p>SEAL 019724 T. BURKE 10/12/2024 5:50 PM EDT</p>	<p>HYDRAULICS ENGINEER</p>  <p>SEAL 038697 T. BURKE 8/13/2024 11:24 AM PDT</p>
<p>EXISTING GROUND </p> <p>PROPOSED GRADE </p> <p>LEFT DITCH GRADE </p> <p>RIGHT DITCH GRADE </p>		
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>		



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User:tburns

5/28/24

TGS ENGINEERS
 706 HILLSBOROUGH ST. SUITE 200
 RALEIGH, NC 27603
 PH (919) 773-8887
 CORP. LICENSE NO.: C-0275

EXISTING GROUND

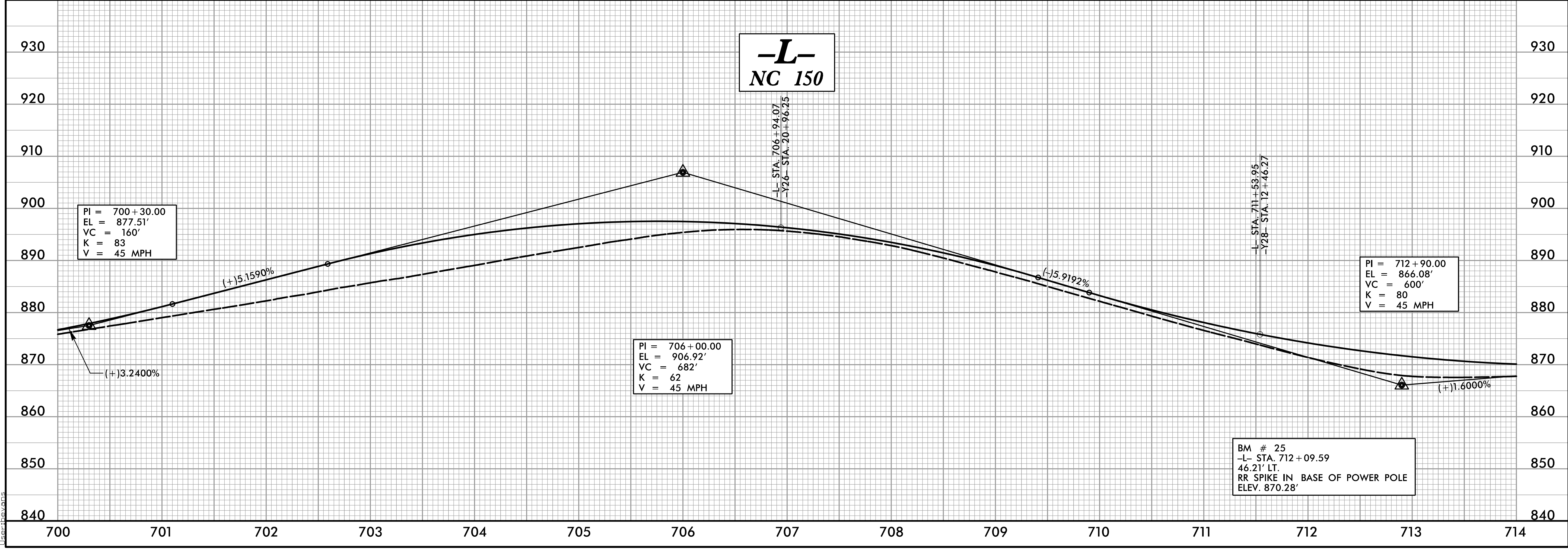
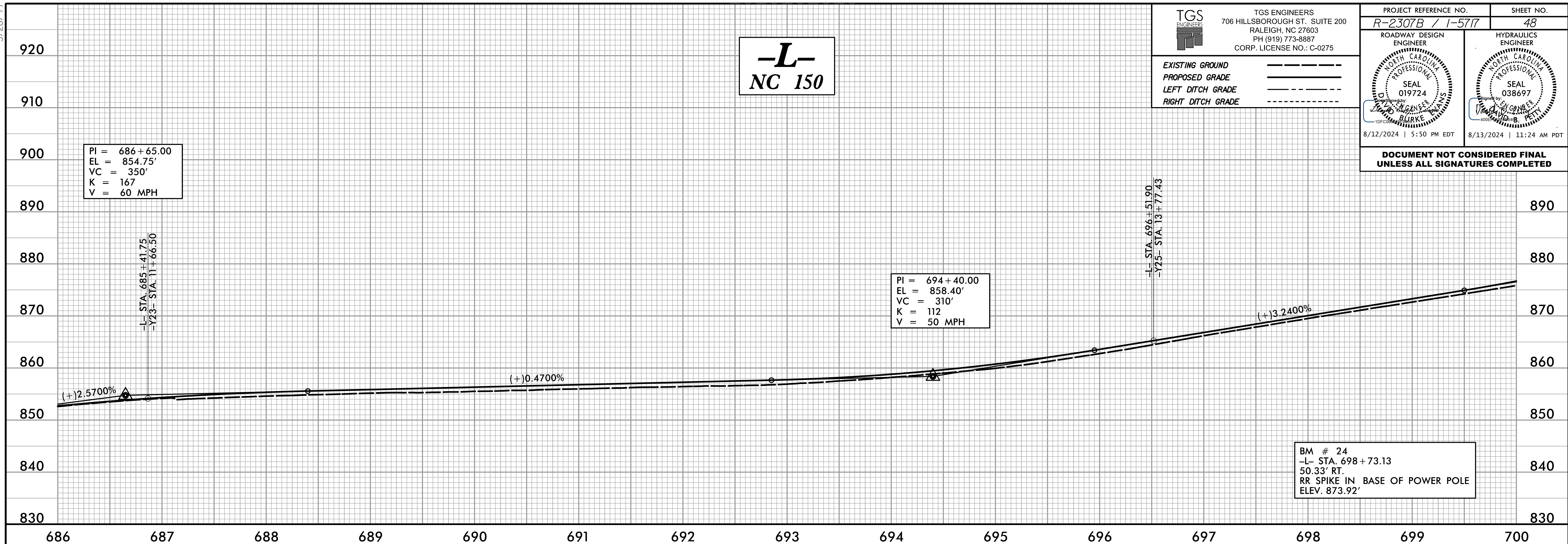
PROPOSED GRADE

LEFT DITCH GRADE

RIGHT DITCH GRADE

PROJECT REFERENCE NO. R-2307B / I-5717	SHEET NO. 48
ROADWAY DESIGN ENGINEER 	HYDRAULICS ENGINEER
8/12/2024 5:50 PM EDT	8/13/2024 11:24 AM PDT





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8/12/2024
 STA: 686+00.00 - 714+00.00
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 User: tburke

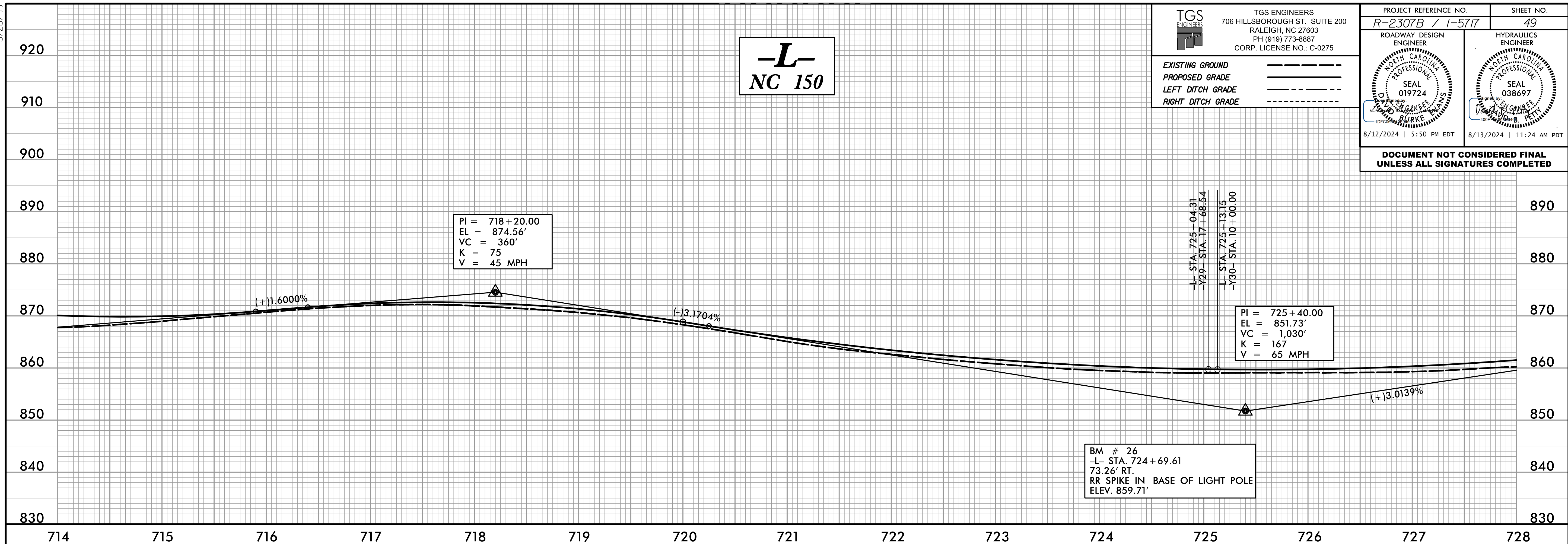
5/28/24

TGS ENGINEERS
 706 HILLSBOROUGH ST. SUITE 200
 RALEIGH, NC 27603
 PH (919) 773-8887
 CORP. LICENSE NO.: C-0275

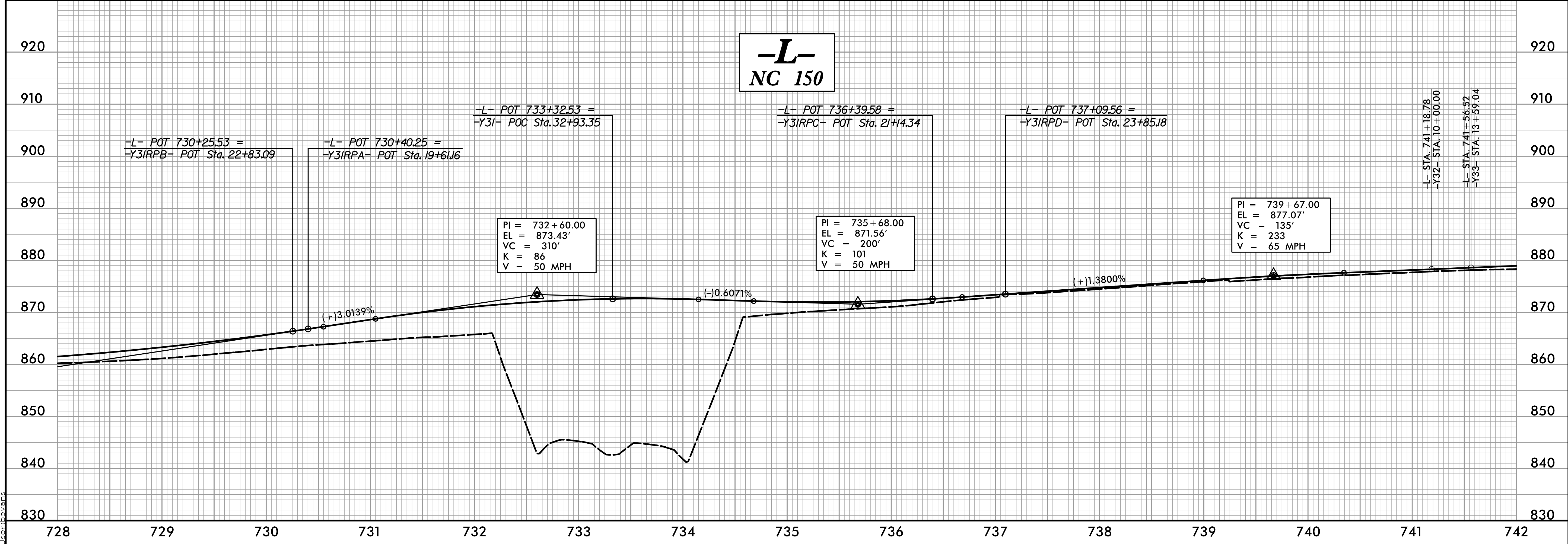
EXISTING GROUND 
 PROPOSED GRADE 
 LEFT DITCH GRADE 
 RIGHT DITCH GRADE 

PROJECT REFERENCE NO. R-2307B / I-5717	SHEET NO. 49
ROADWAY DESIGN ENGINEER PROFESSIONAL SEAL 019724 <i>Timothy Burke</i>	HYDRAULICS ENGINEER PROFESSIONAL SEAL 038697 <i>William S. Petty</i>
8/12/2024 5:50 PM EDT	8/13/2024 11:24 AM PDT

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-L- NC 150



8/12/2024
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 User: jpeavans

5/28/24

TGS ENGINEERS
 706 HILLSBOROUGH ST. SUITE 200
 RALEIGH, NC 27603
 PH (919) 773-8887
 CORP. LICENSE NO.: C-0275

PROJECT REFERENCE NO. **R-2307B / I-5717** SHEET NO. **50**

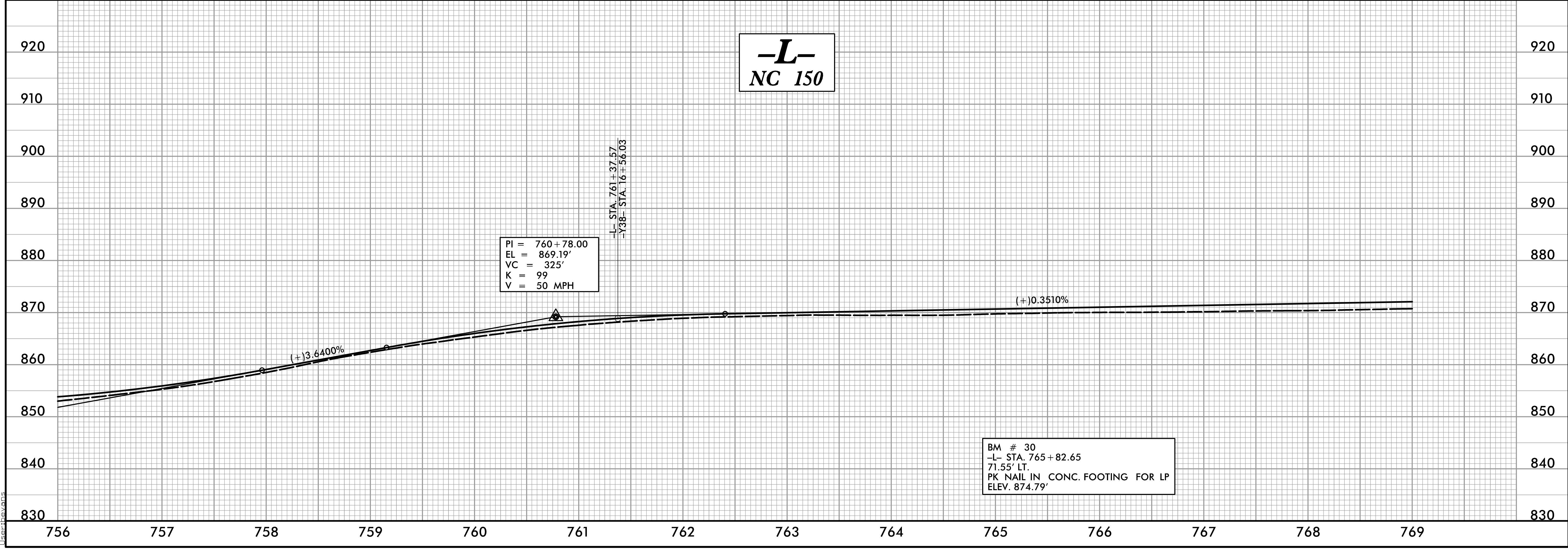
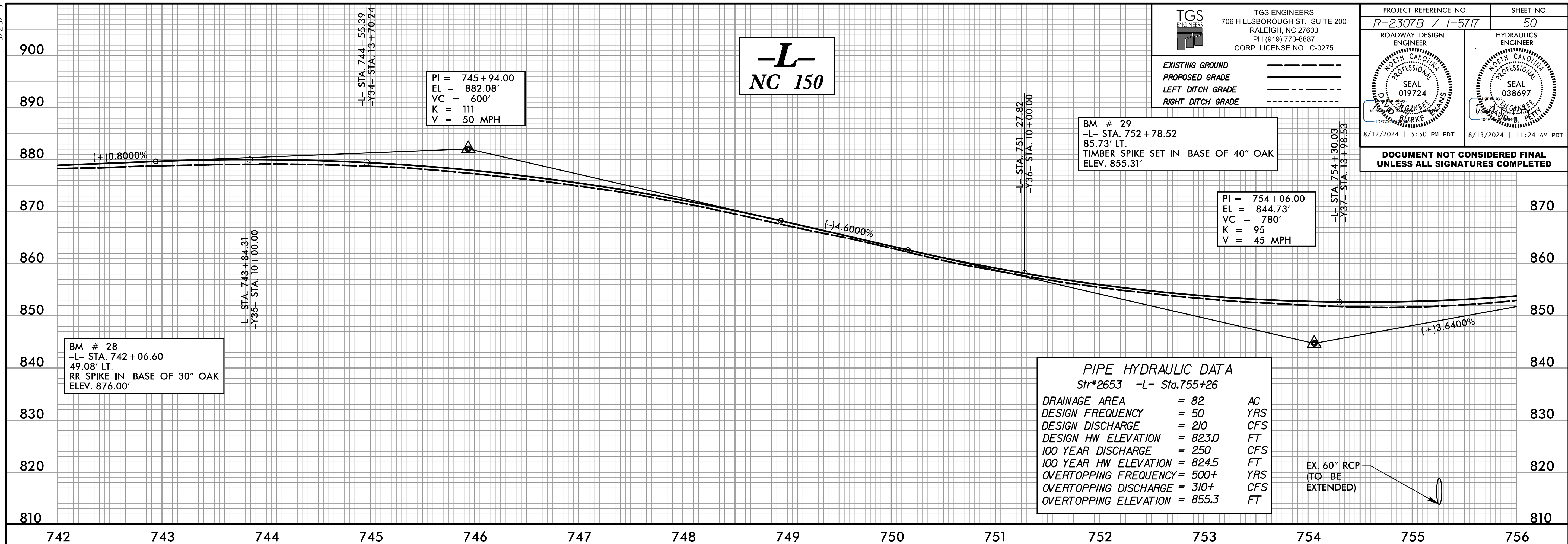
ROADWAY DESIGN ENGINEER
 SEAL 019724
 T. BURKE

HYDRAULICS ENGINEER
 SEAL 038697
 T. BURKE

8/12/2024 | 5:50 PM EDT | 8/13/2024 | 11:24 AM PDT

EXISTING GROUND
 PROPOSED GRADE
 LEFT DITCH GRADE
 RIGHT DITCH GRADE





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8/12/2024
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 jburke

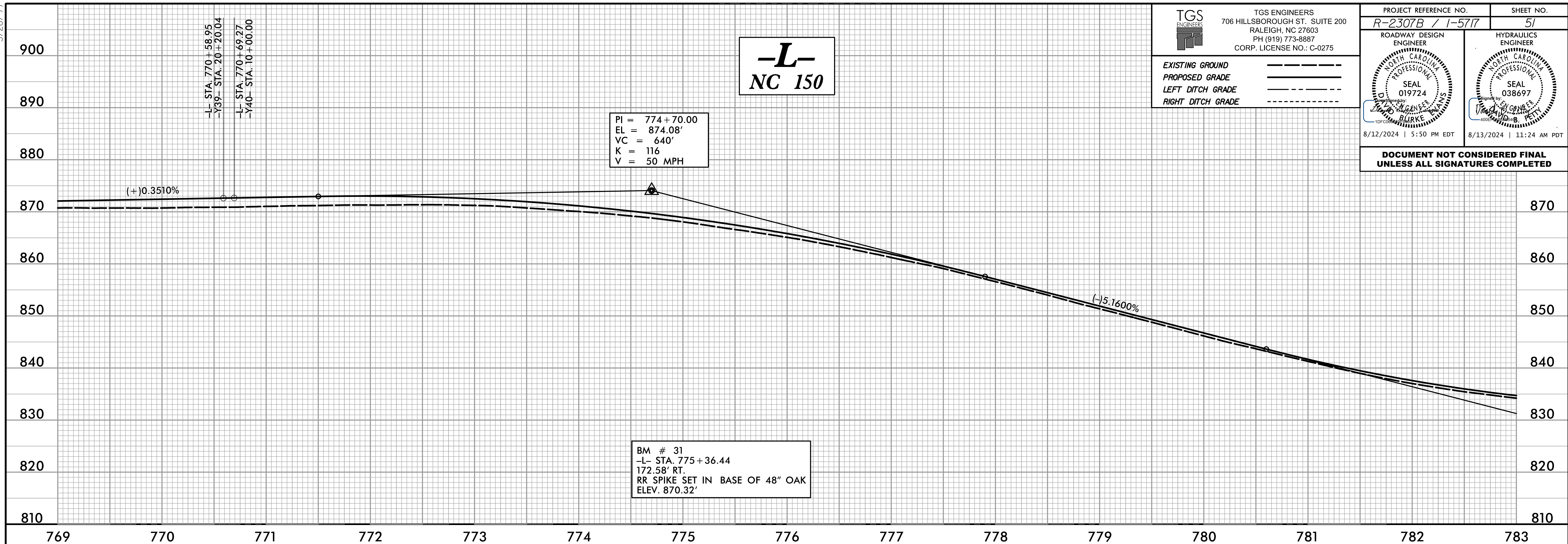
5/28/24

TGS ENGINEERS
 706 HILLSBOROUGH ST., SUITE 200
 RALEIGH, NC 27603
 PH (919) 773-8887
 CORP. LICENSE NO.: C-0275

EXISTING GROUND 
 PROPOSED GRADE 
 LEFT DITCH GRADE 
 RIGHT DITCH GRADE 

PROJECT REFERENCE NO. R-2307B / I-577	SHEET NO. 51
ROADWAY DESIGN ENGINEER SEAL 019724 <i>[Signature]</i>	HYDRAULICS ENGINEER SEAL 038697 <i>[Signature]</i>
8/12/2024 5:50 PM EDT	8/13/2024 11:24 AM PDT

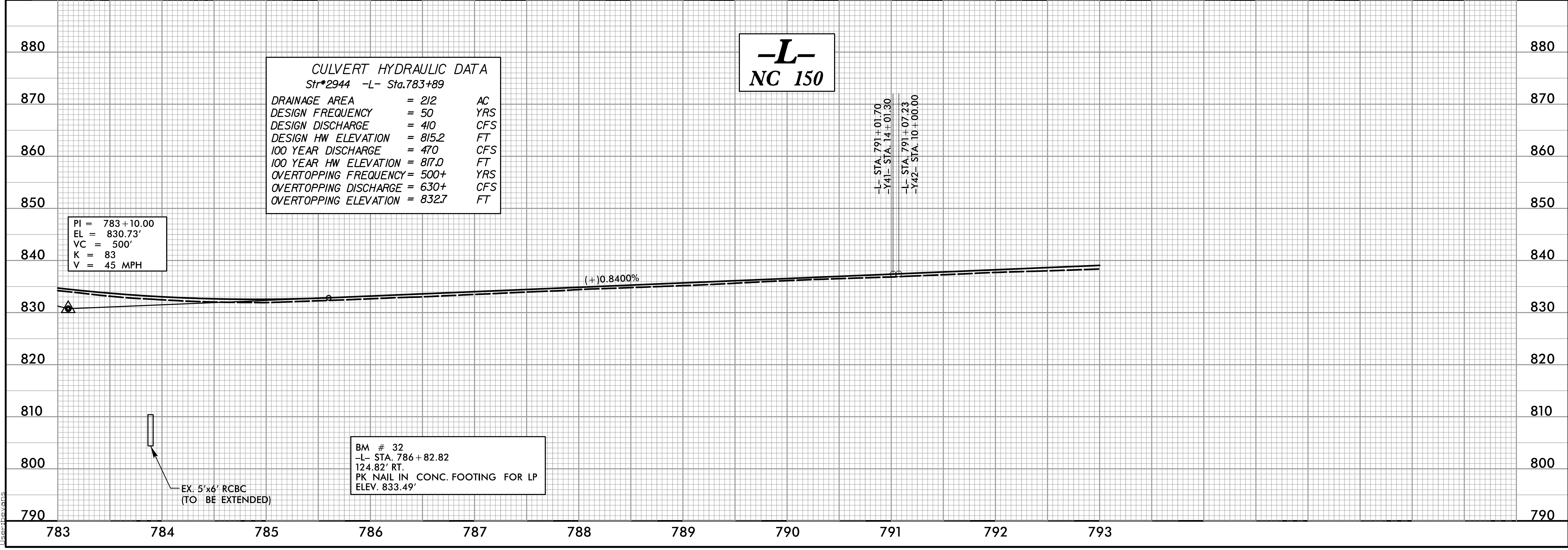
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



-L- STA. 770 + 58.95
 -Y39- STA. 20 + 20.04
 -L- STA. 770 + 69.27
 -Y40- STA. 10 + 00.00

PI = 774+70.00
 EL = 874.08'
 VC = 640'
 K = 116
 V = 50 MPH

BM # 31
 -L- STA. 775 + 36.44
 172.58' RT.
 RR SPIKE SET IN BASE OF 48" OAK
 ELEV. 870.32'



CULVERT HYDRAULIC DATA
 Str#2944 -L- Sta.783+89

DRAINAGE AREA	= 212	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 410	CFS
DESIGN HW ELEVATION	= 815.2	FT
100 YEAR DISCHARGE	= 470	CFS
100 YEAR HW ELEVATION	= 817.0	FT
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING DISCHARGE	= 630+	CFS
OVERTOPPING ELEVATION	= 832.7	FT

PI = 783+10.00
 EL = 830.73'
 VC = 500'
 K = 83
 V = 45 MPH

-L- STA. 791 + 01.70
 -Y41- STA. 14 + 01.30
 -L- STA. 791 + 07.23
 -Y42- STA. 10 + 00.00

BM # 32
 -L- STA. 786 + 82.82
 124.82' RT.
 PK NAIL IN CONC. FOOTING FOR LP
 ELEV. 833.49'

EX. 5'x6' RCBC
 (TO BE EXTENDED)

8/12/2024
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User: jpears

5/28/24

BM # 33
-L- STA. 794 + 77.62
150.76' LT.
RR SPIKE SET IN BASE OF 8" OAK
ELEV. 835.53'

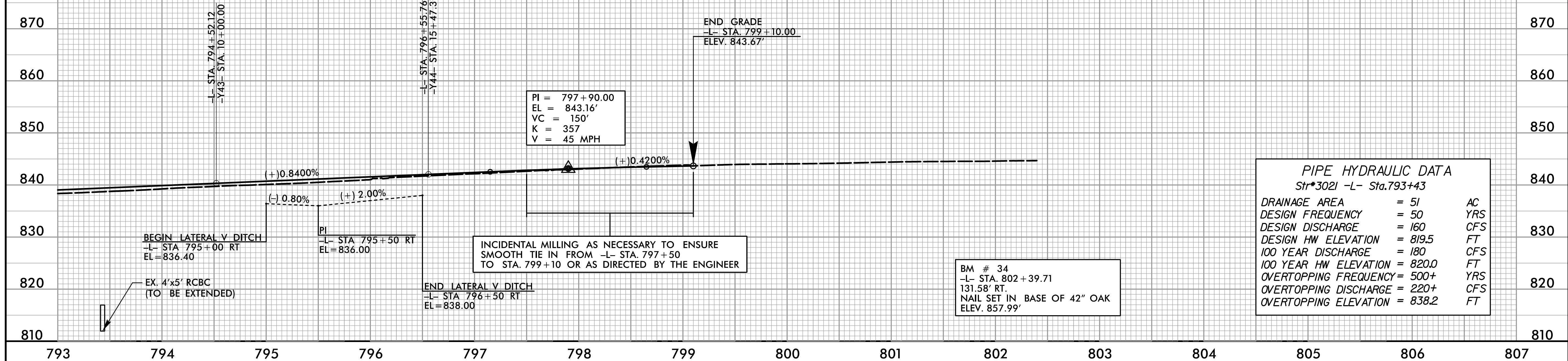
-L-
NC 150

TGS ENGINEERS
706 HILLSBOROUGH ST., SUITE 200
RALEIGH, NC 27603
PH (919) 773-8887
CORP. LICENSE NO.: C-0275

EXISTING GROUND - - - - -
PROPOSED GRADE - - - - -
LEFT DITCH GRADE - - - - -
RIGHT DITCH GRADE - - - - -

PROJECT REFERENCE NO. R-2307B / I-577	SHEET NO. 52
ROADWAY DESIGN ENGINEER DAVID BURKE SEAL 019724 8/12/2024 5:50 PM EDT	HYDRAULICS ENGINEER WESLEY PERRY SEAL 038697 8/13/2024 11:24 AM PDT

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PIPE HYDRAULIC DATA
Str*3021 -L- Sta.793+43

DRAINAGE AREA	= 51	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 160	CFS
DESIGN HW ELEVATION	= 819.5	FT
100 YEAR DISCHARGE	= 180	CFS
100 YEAR HW ELEVATION	= 820.0	FT
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING DISCHARGE	= 220+	CFS
OVERTOPPING ELEVATION	= 838.2	FT

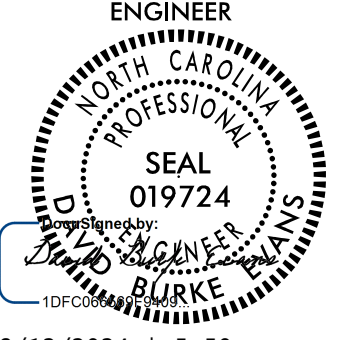
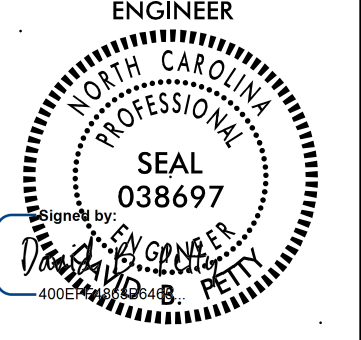
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User: jpears

5/28/24

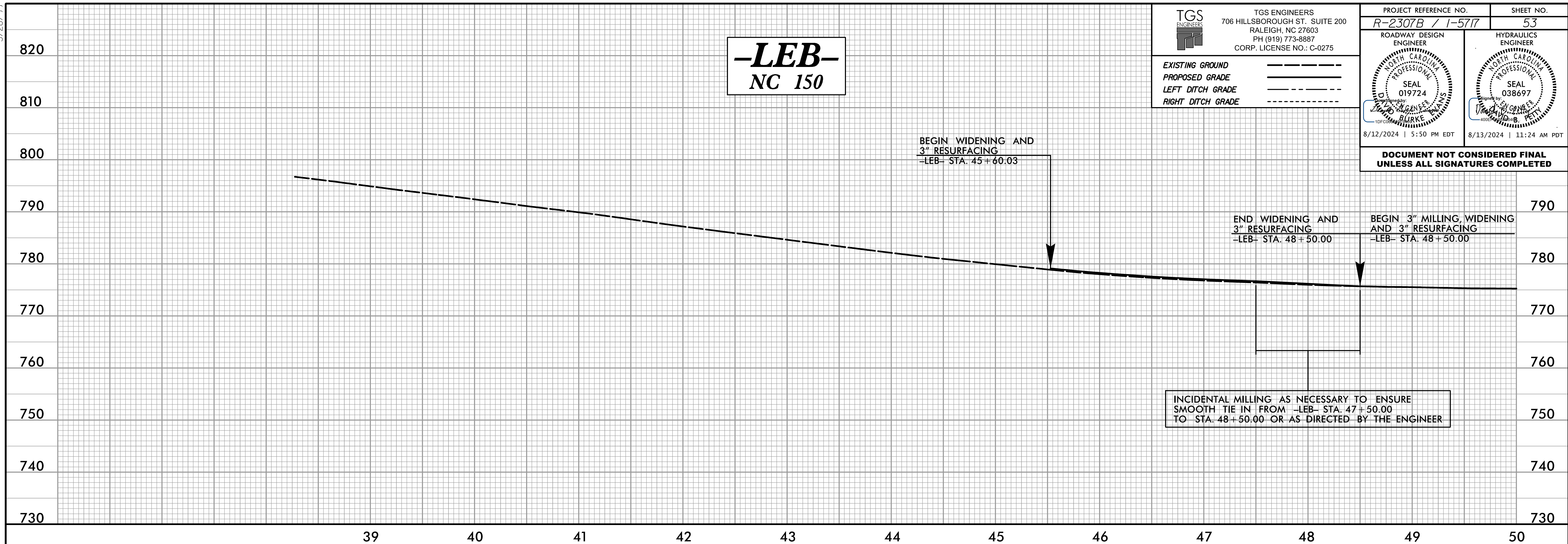
TGS ENGINEERS
 706 HILLSBOROUGH ST., SUITE 200
 RALEIGH, NC 27603
 PH (919) 773-8887
 CORP. LICENSE NO.: C-0275

EXISTING GROUND - - - - -
 PROPOSED GRADE _____
 LEFT DITCH GRADE - - - - -
 RIGHT DITCH GRADE - - - - -

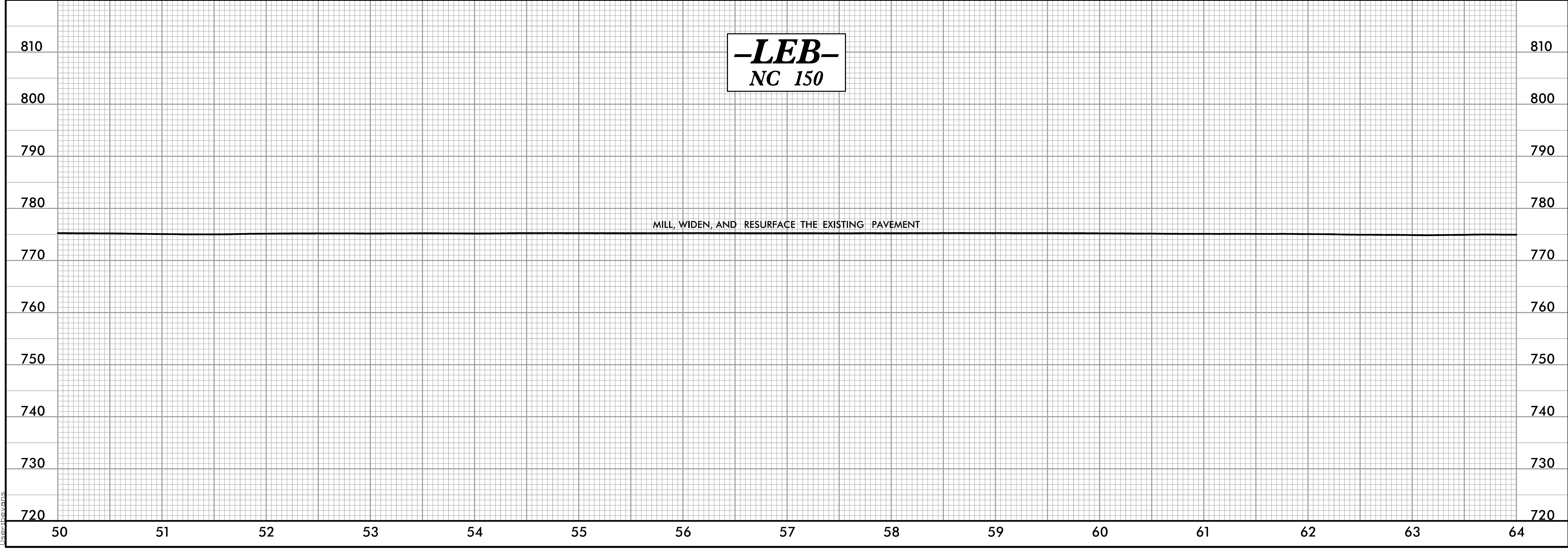
PROJECT REFERENCE NO. R-2307B / I-577	SHEET NO. 53
ROADWAY DESIGN ENGINEER  T. J. BURKE 8/12/2024 5:50 PM EDT	HYDRAULICS ENGINEER  J. S. PETTY 8/13/2024 11:24 AM PDT

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

**-LEB-
NC 150**



**-LEB-
NC 150**

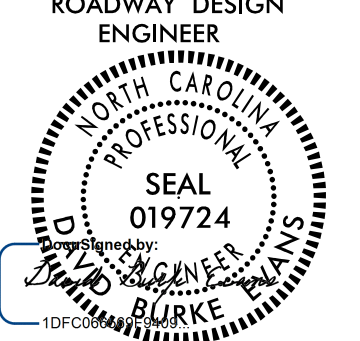
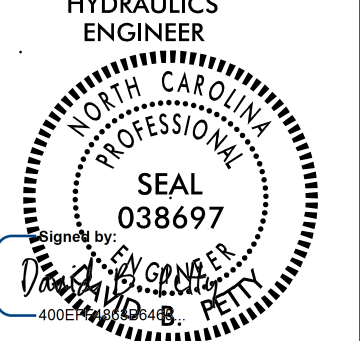


8/12/2024
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 jburke

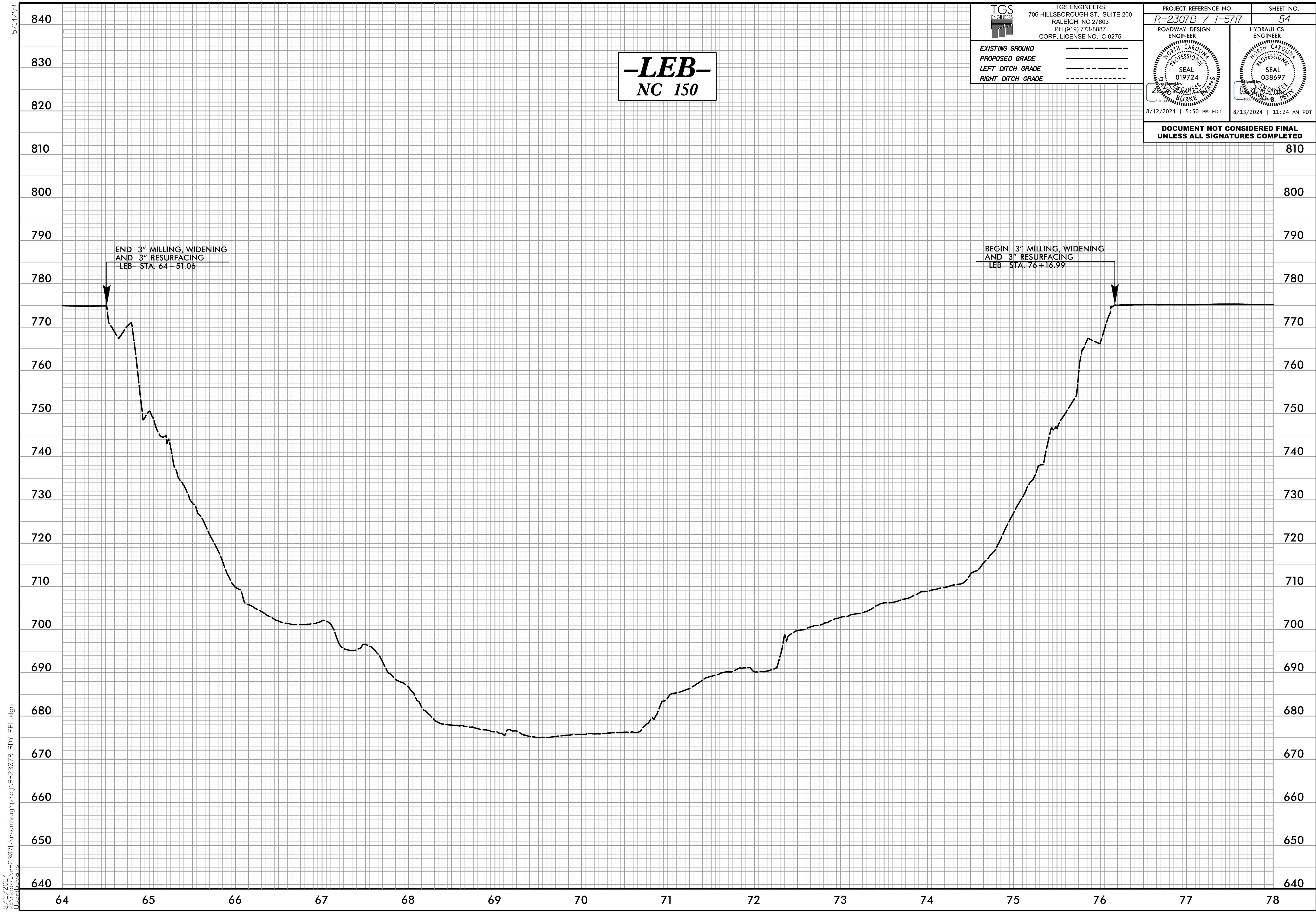
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 RALEIGH, NC 27603
 PH (919) 773-8887
 CORP. LICENSE NO.: C-0275

EXISTING GROUND _____
 PROPOSED GRADE _____
 LEFT DITCH GRADE _____
 RIGHT DITCH GRADE _____

PROJECT REFERENCE NO. R-2307B / I-5717	SHEET NO. 54
ROADWAY DESIGN ENGINEER  T. J. BURKE 8/12/2024 5:50 PM EDT	HYDRAULICS ENGINEER  T. J. BURKE 8/13/2024 11:24 AM PDT

-LEB-
NC 150



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 TJB

5/28/24

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 RALEIGH, NC 27603
 PH (919) 773-8887
 CORP. LICENSE NO.: C-0275

EXISTING GROUND

PROPOSED GRADE

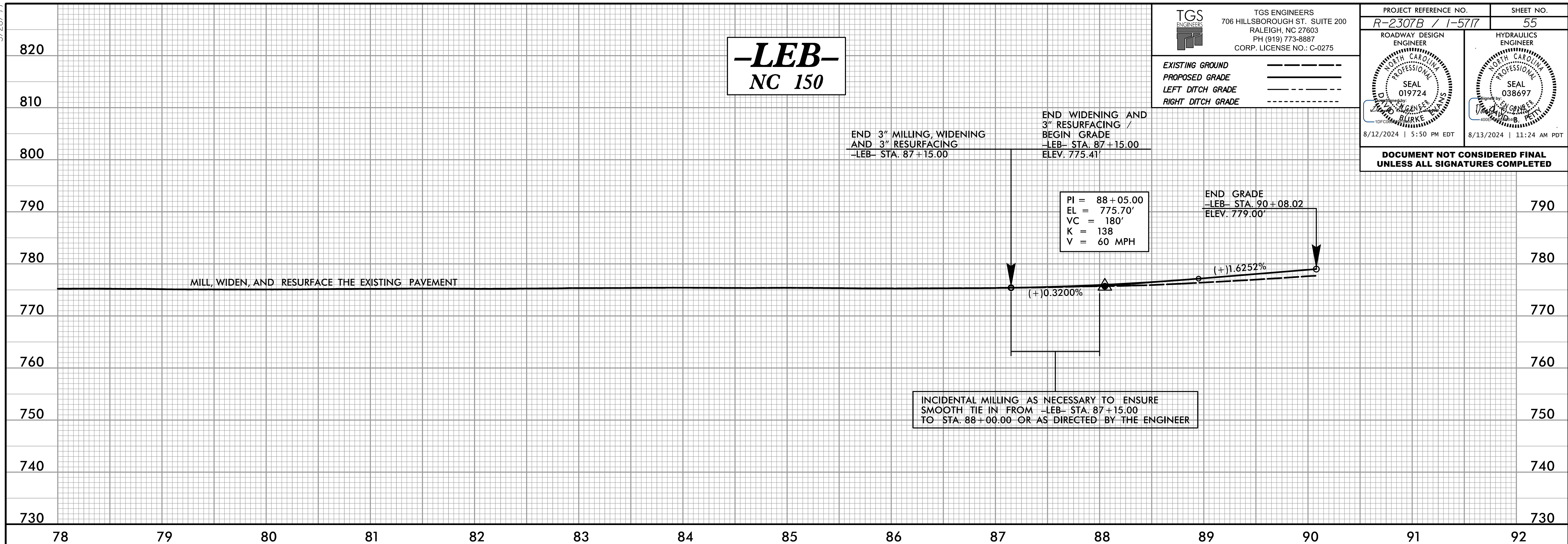
LEFT DITCH GRADE

RIGHT DITCH GRADE

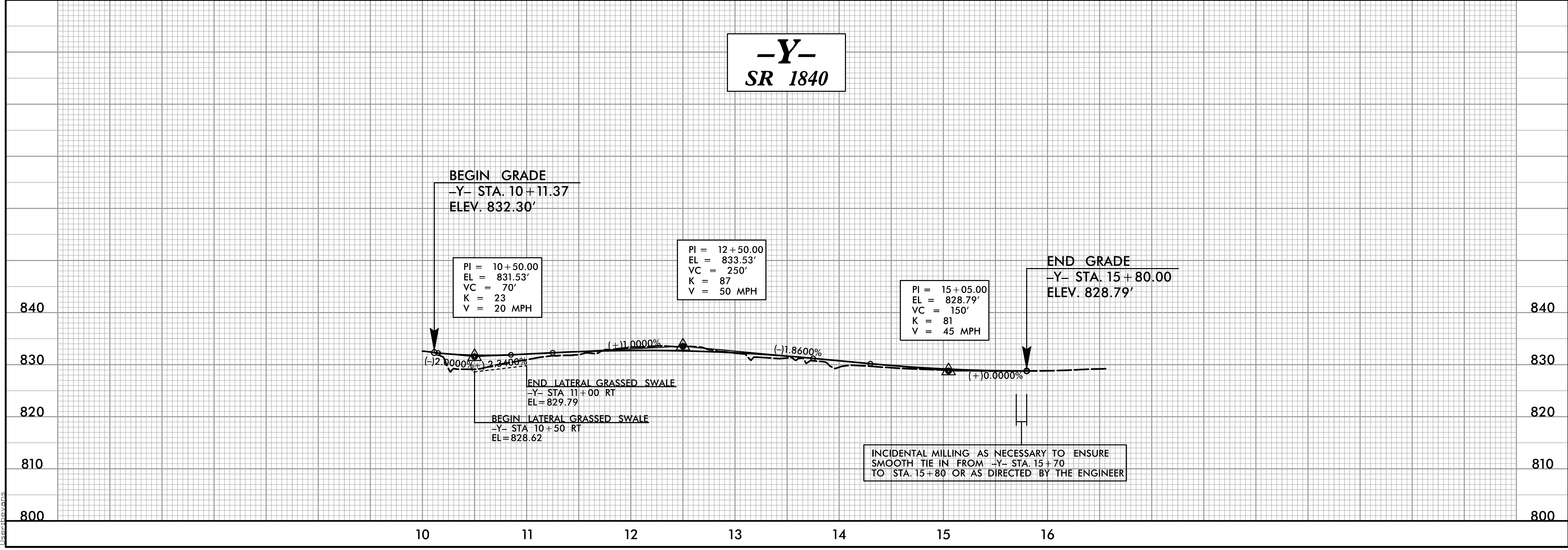
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ROADWAY DESIGN ENGINEER 	HYDRAULICS ENGINEER
8/12/2024 5:50 PM EDT	8/13/2024 11:24 AM PDT

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-LEB- NC 150



-Y- SR 1840



8/12/2024
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User: jrb

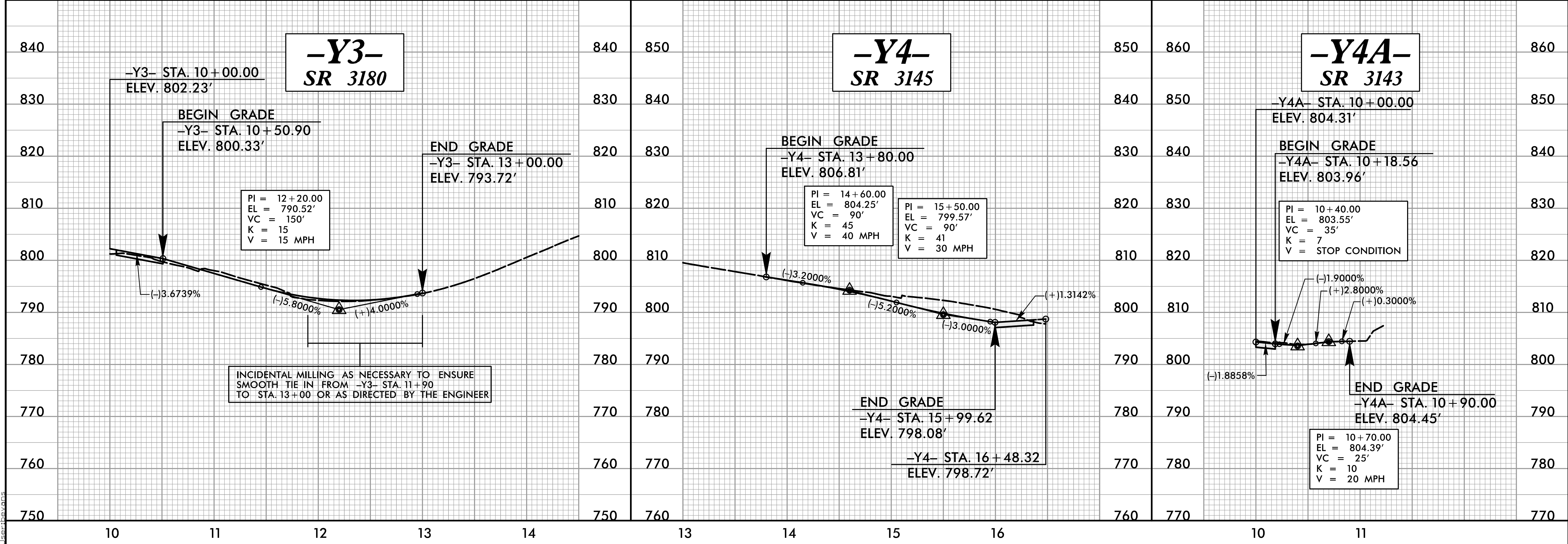
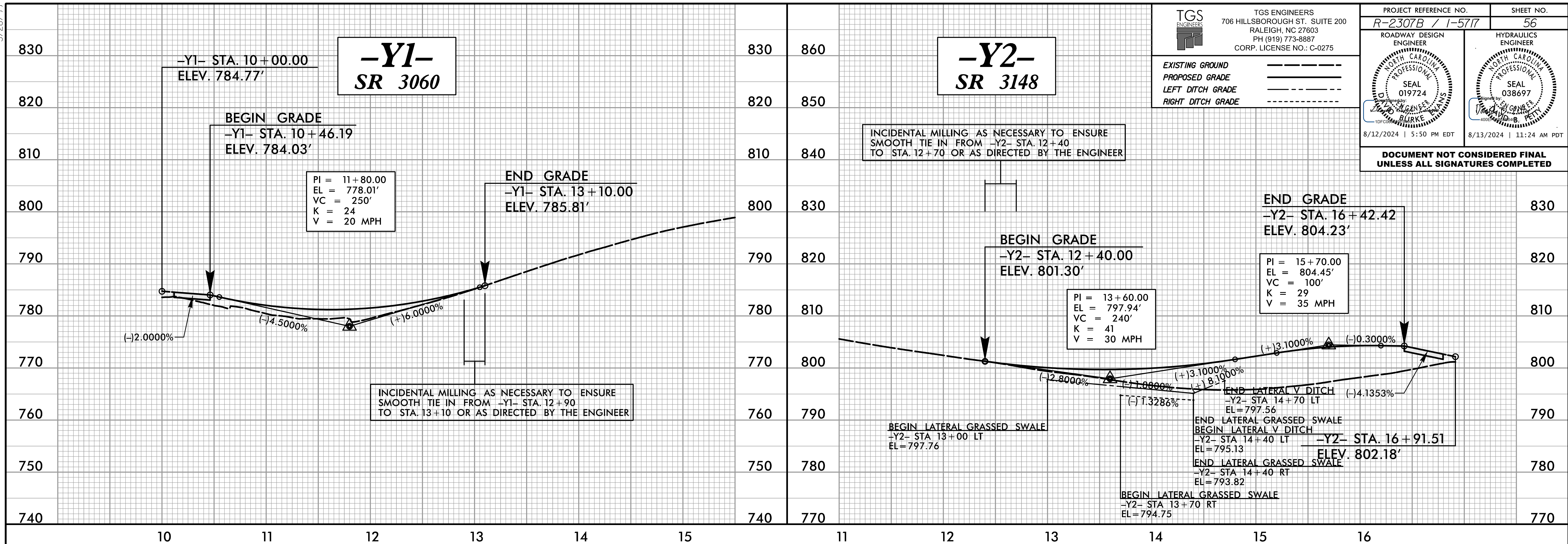
5/28/24

TGS ENGINEERS
 706 HILLSBOROUGH ST. SUITE 200
 RALEIGH, NC 27603
 PH (919) 773-8887
 CORP. LICENSE NO.: C-0275

EXISTING GROUND _____
 PROPOSED GRADE _____
 LEFT DITCH GRADE _____
 RIGHT DITCH GRADE _____

PROJECT REFERENCE NO. R-2307B / I-5717	SHEET NO. 56
ROADWAY DESIGN ENGINEER PROFESSIONAL SEAL 019724 TIM BURKE	HYDRAULICS ENGINEER PROFESSIONAL SEAL 038697 W. J. GIBSON
8/12/2024 5:50 PM EDT	8/13/2024 11:24 AM PDT

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8/12/2024
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 User: jgibson

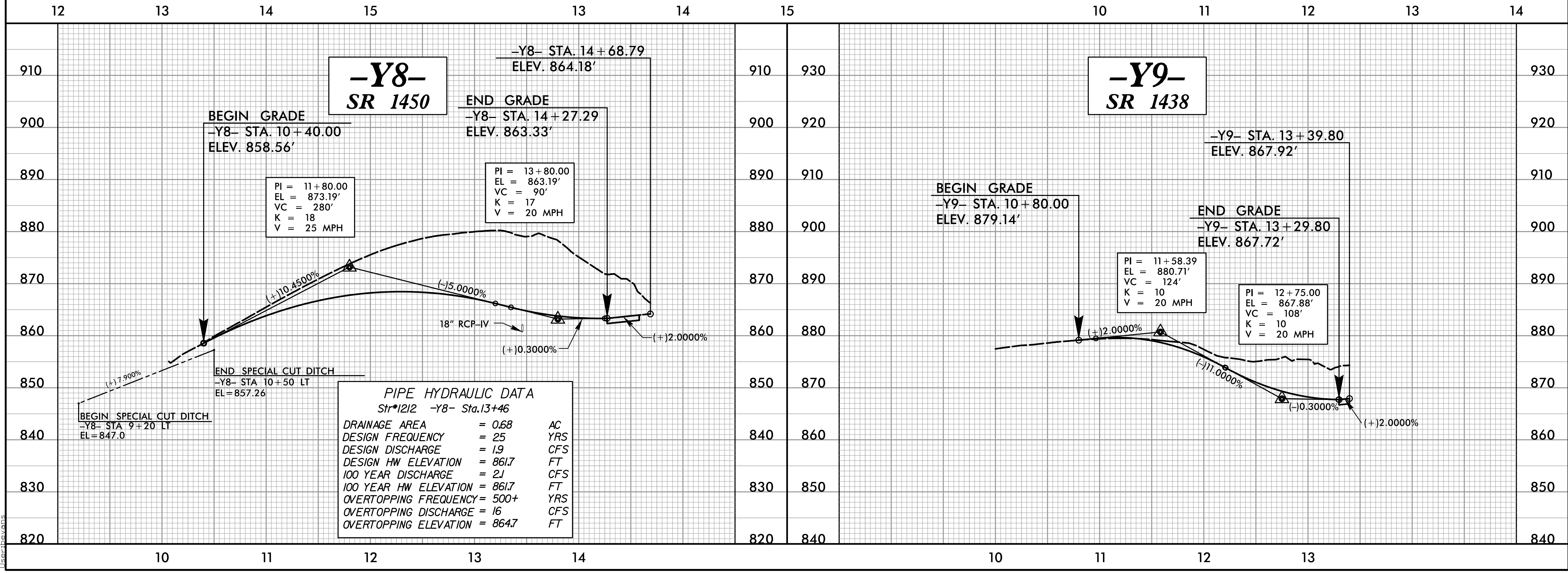
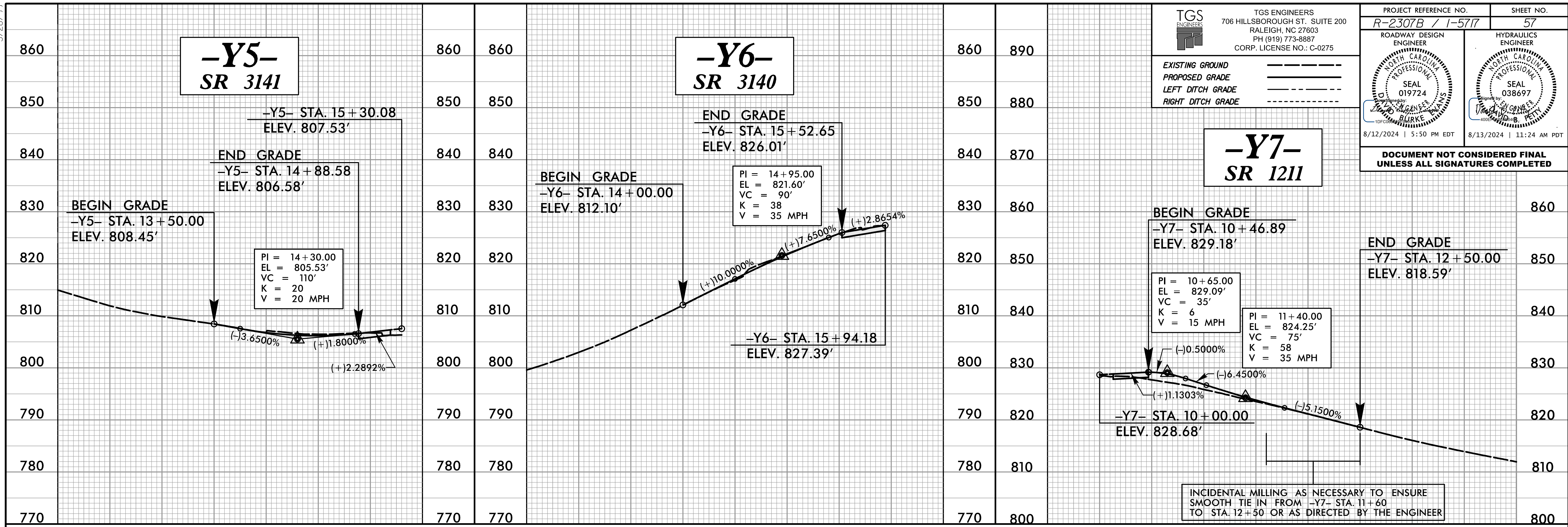
5/28/24

TGS ENGINEERS
 706 HILLSBOROUGH ST. SUITE 200
 RALEIGH, NC 27603
 PH (919) 773-8887
 CORP. LICENSE NO.: C-0275

EXISTING GROUND _____
 PROPOSED GRADE _____
 LEFT DITCH GRADE _____
 RIGHT DITCH GRADE _____

PROJECT REFERENCE NO. R-2307B / I-5717	SHEET NO. 57
ROADWAY DESIGN ENGINEER DAVID BURKE SEAL 019724	HYDRAULICS ENGINEER DAVID BURKE SEAL 038697
8/12/2024 5:50 PM EDT	8/13/2024 11:24 AM PDT

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



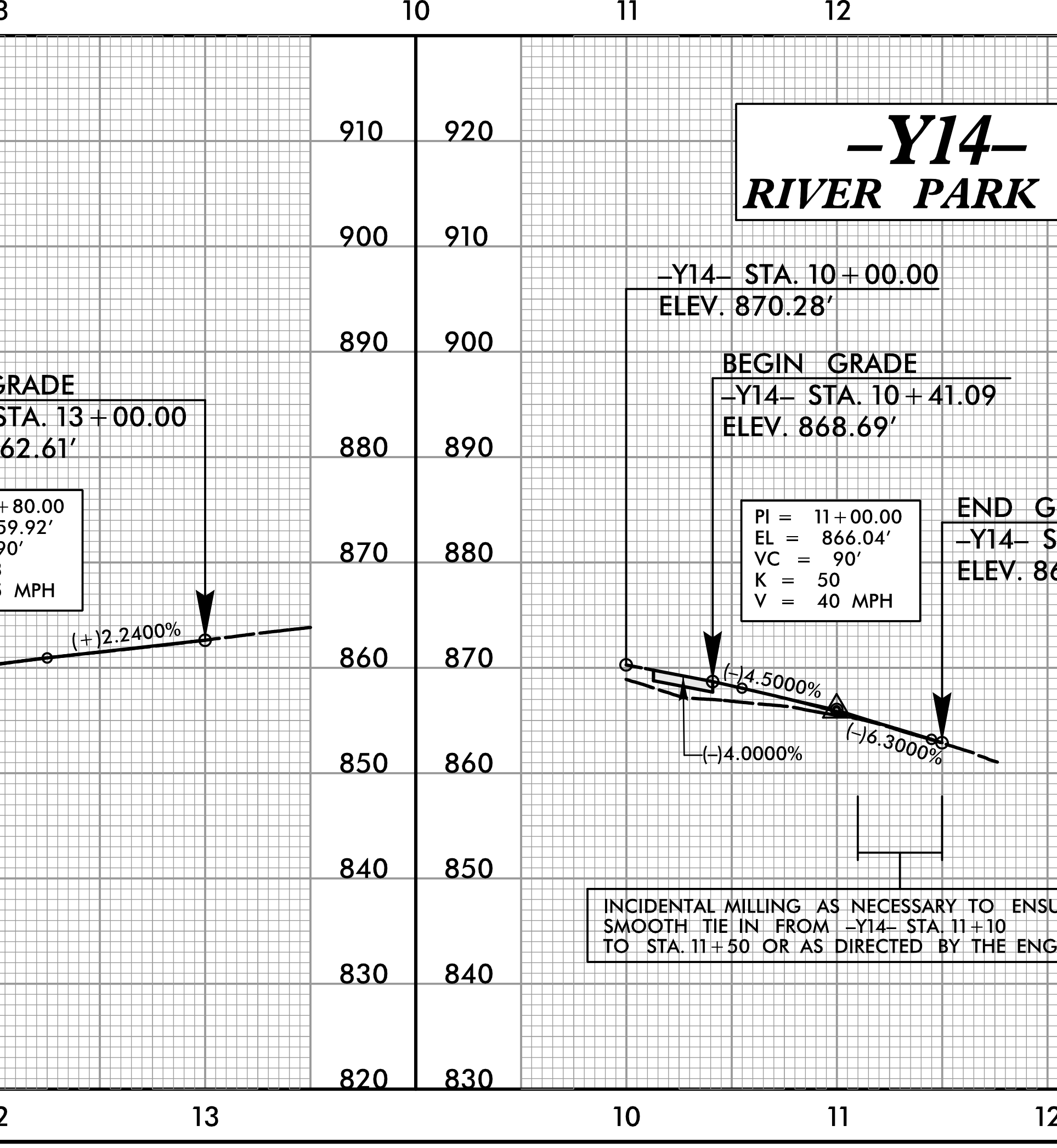
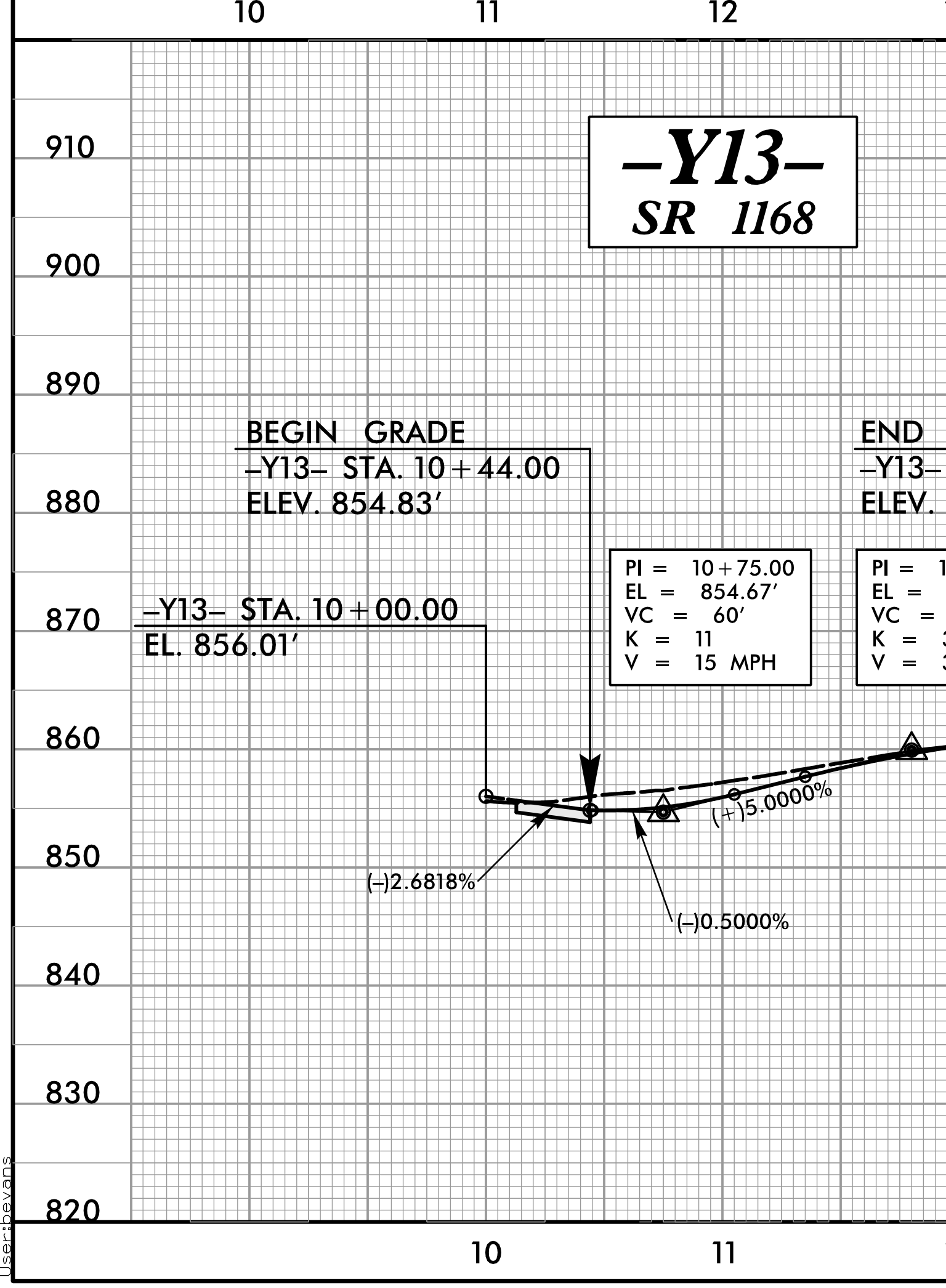
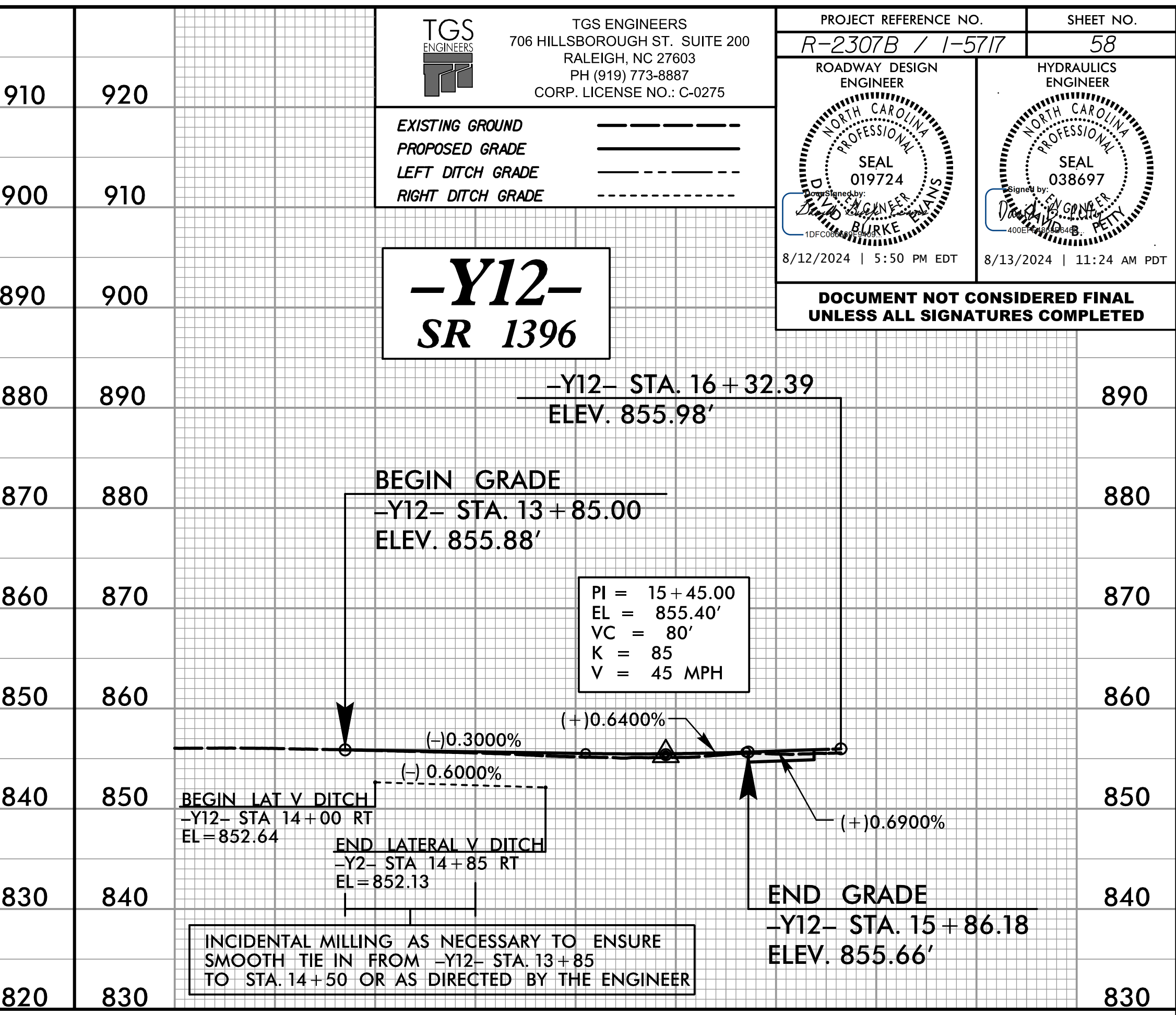
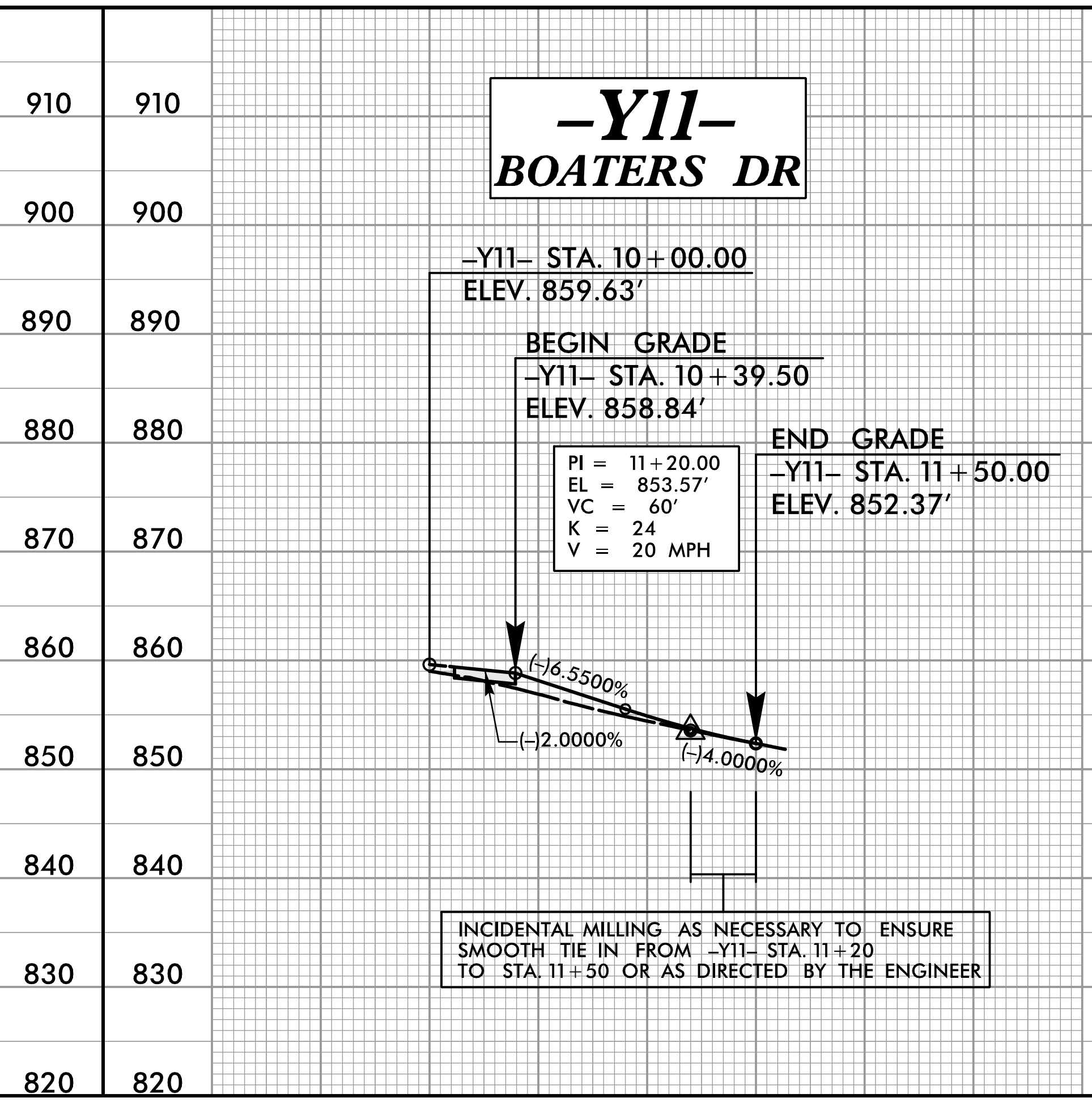
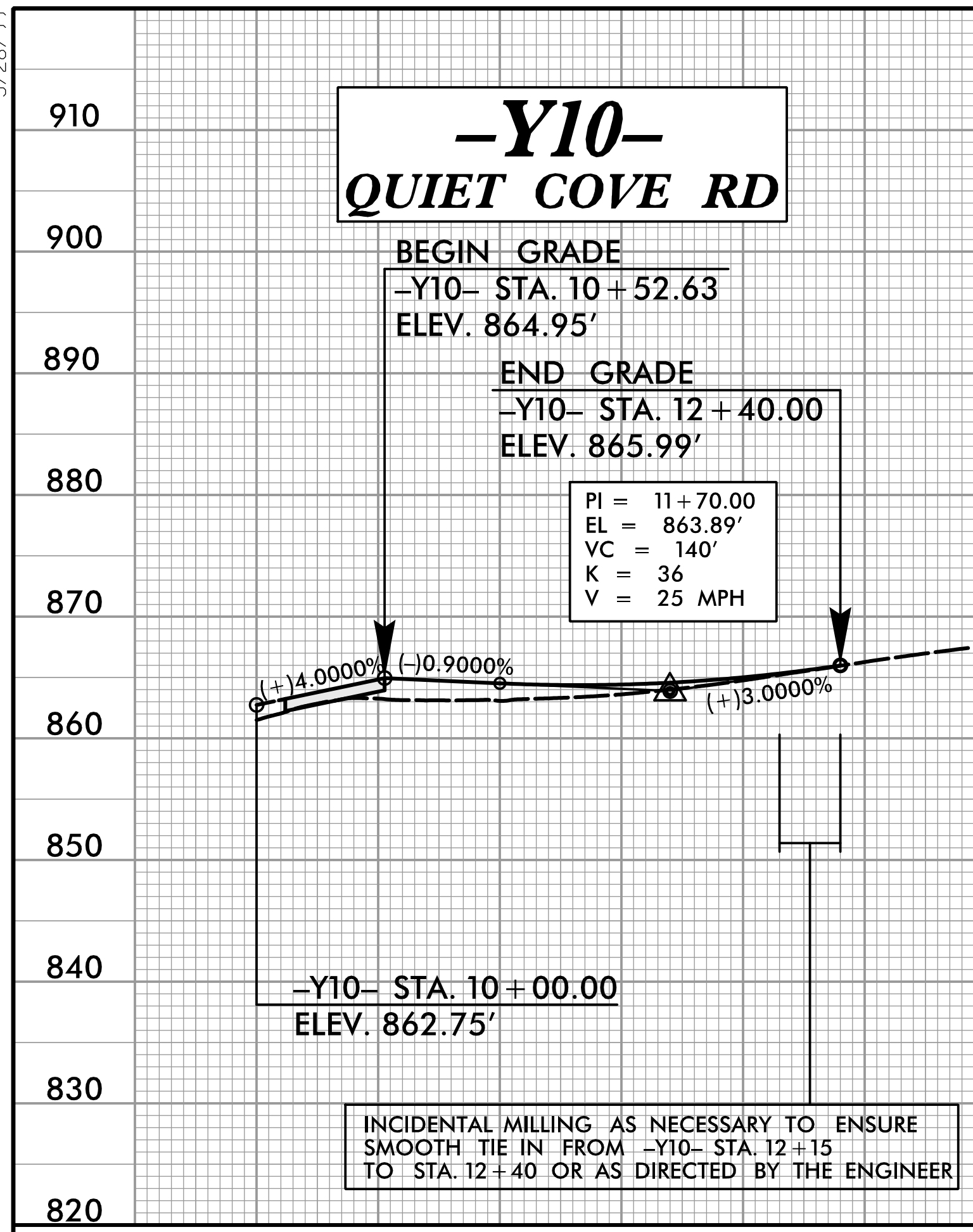
8/12/2024
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 User: jbevans

5/28/24

TGS ENGINEERS
 706 HILLSBOROUGH ST. SUITE 200
 RALEIGH, NC 27603
 PH (919) 773-8887
 CORP. LICENSE NO.: C-0275

EXISTING GROUND _____
 PROPOSED GRADE _____
 LEFT DITCH GRADE _____
 RIGHT DITCH GRADE _____

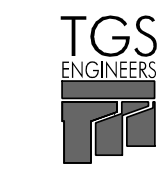
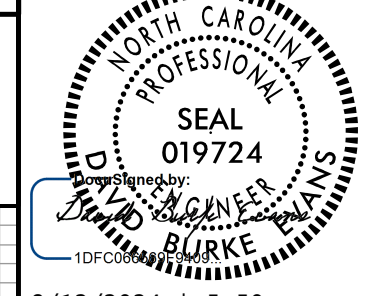

PROJECT REFERENCE NO. R-2307B / I-5717	SHEET NO. 58
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DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	







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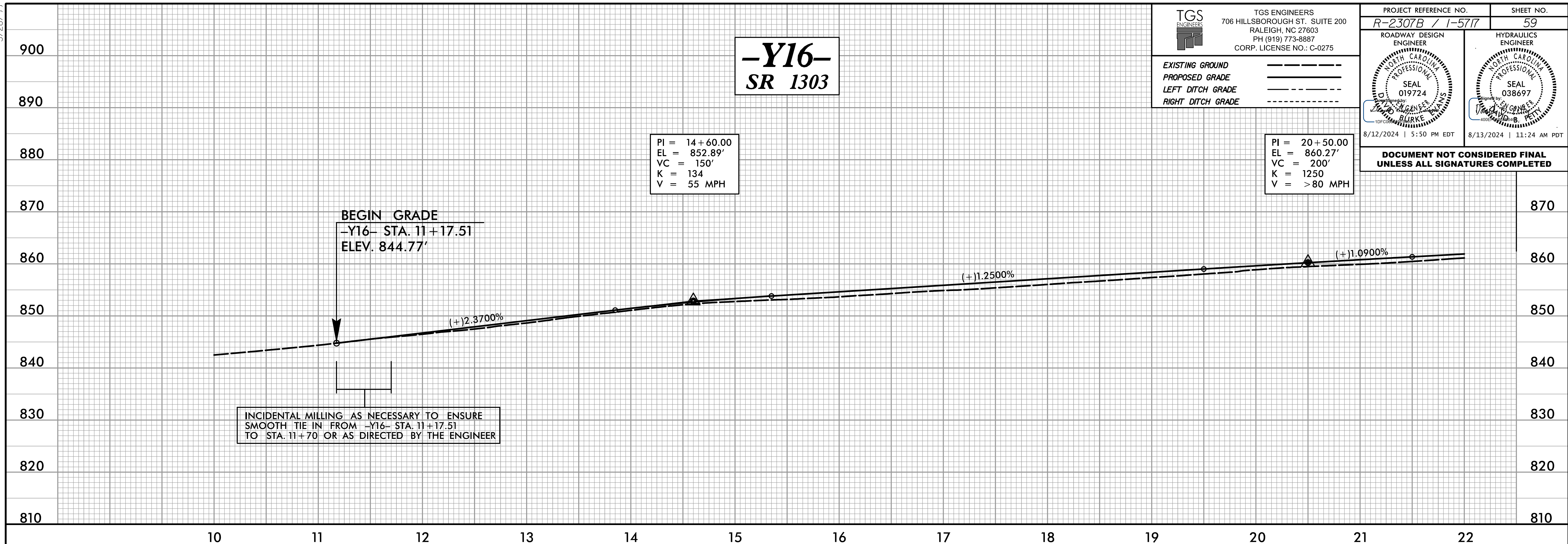
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User: jbevans

5/28/24

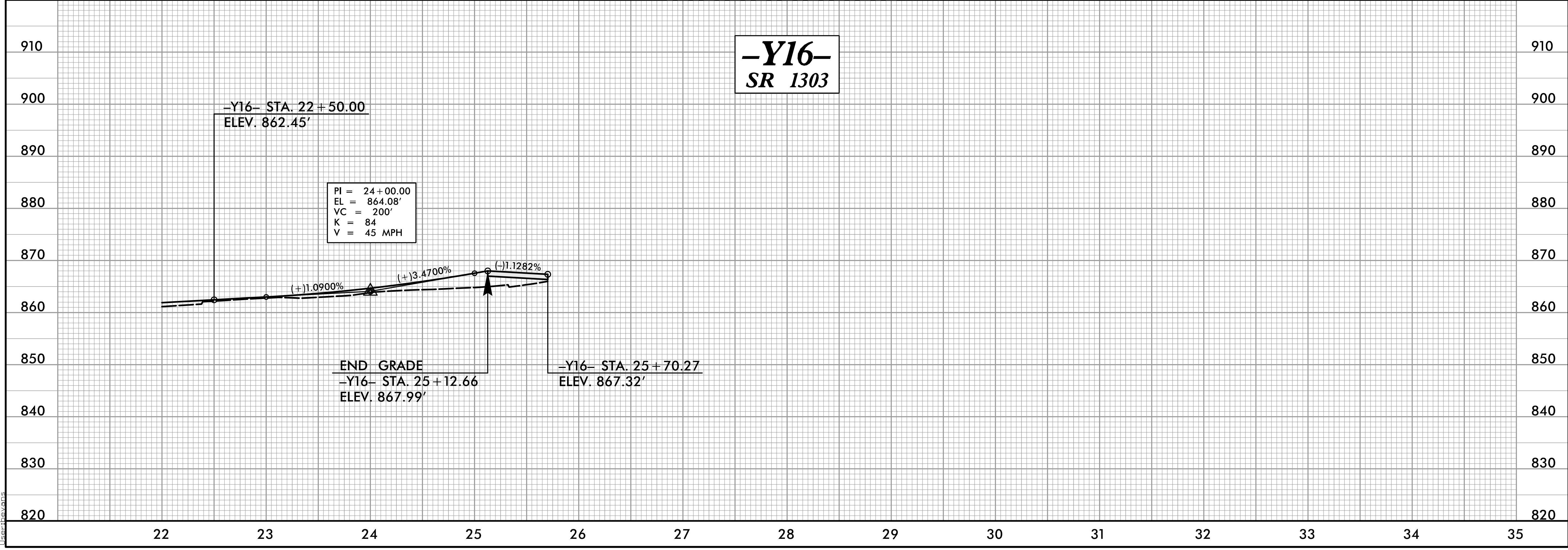
 <p>TGS ENGINEERS 706 HILLSBOROUGH ST. SUITE 200 RALEIGH, NC 27603 PH (919) 773-8887 CORP. LICENSE NO.: C-0275</p>	PROJECT REFERENCE NO. R-2307B / I-5717	SHEET NO. 59
	<p>ROADWAY DESIGN ENGINEER</p>  <p>8/12/2024 5:50 PM EDT</p>	<p>HYDRAULICS ENGINEER</p>  <p>8/13/2024 11:24 AM EDT</p>

EXISTING GROUND 
 PROPOSED GRADE 
 LEFT DITCH GRADE 
 RIGHT DITCH GRADE 

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**-Y16-
SR 1303**



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 User: dmvans

5/28/24

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 706 HILLSBOROUGH ST. SUITE 200
 RALEIGH, NC 27603
 PH (919) 773-8887
 CORP. LICENSE NO.: C-0275

EXISTING GROUND

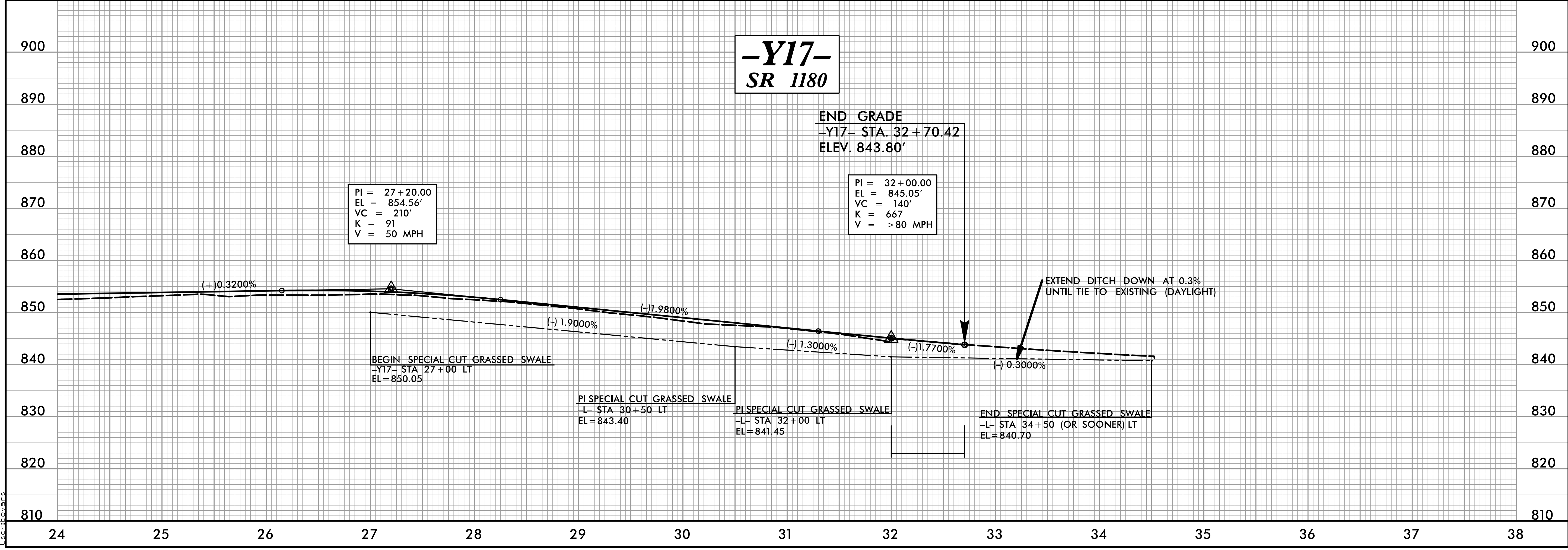
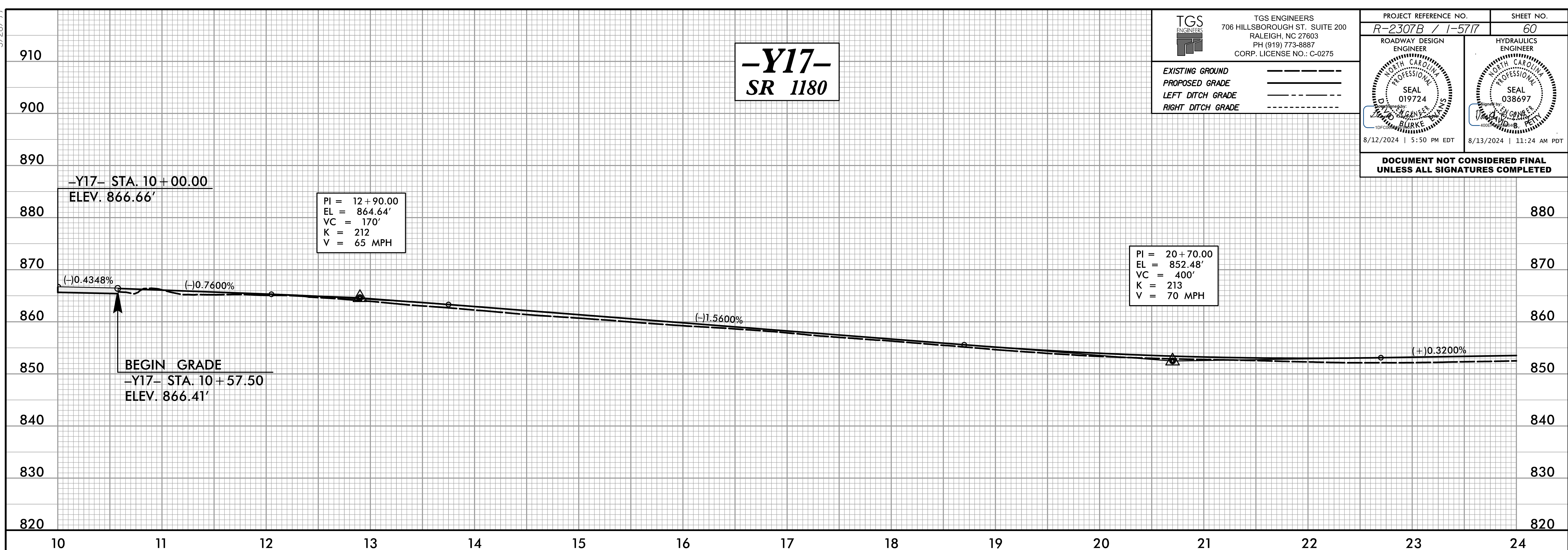
PROPOSED GRADE

LEFT DITCH GRADE

RIGHT DITCH GRADE

PROJECT REFERENCE NO. R-2307B / I-5717	SHEET NO. 60
ROADWAY DESIGN ENGINEER SEAL 019724 DAVID M. BURKE 8/12/2024 5:50 PM EDT	HYDRAULICS ENGINEER SEAL 038697 DAVID M. BURKE 8/13/2024 11:24 AM PDT

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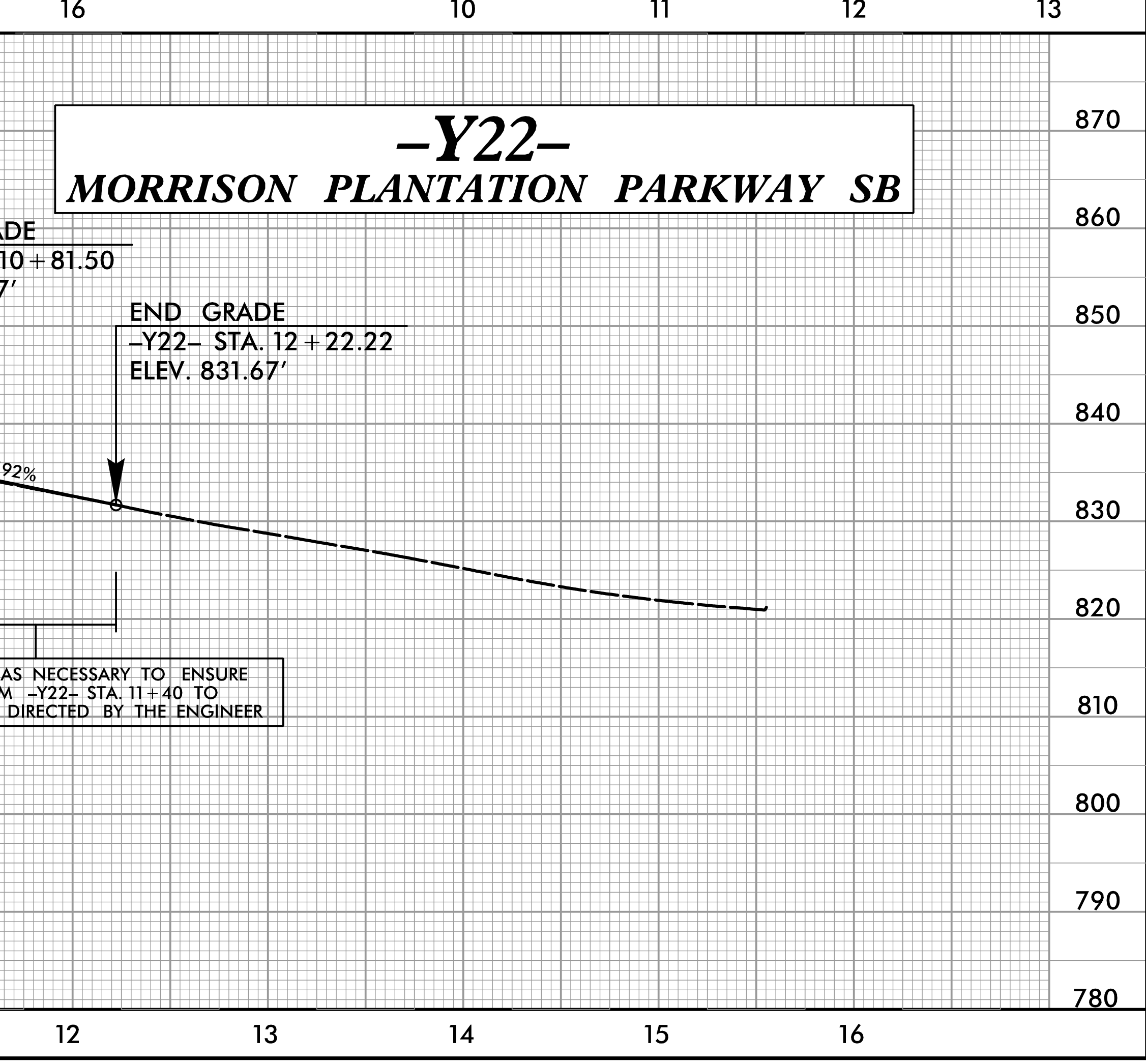
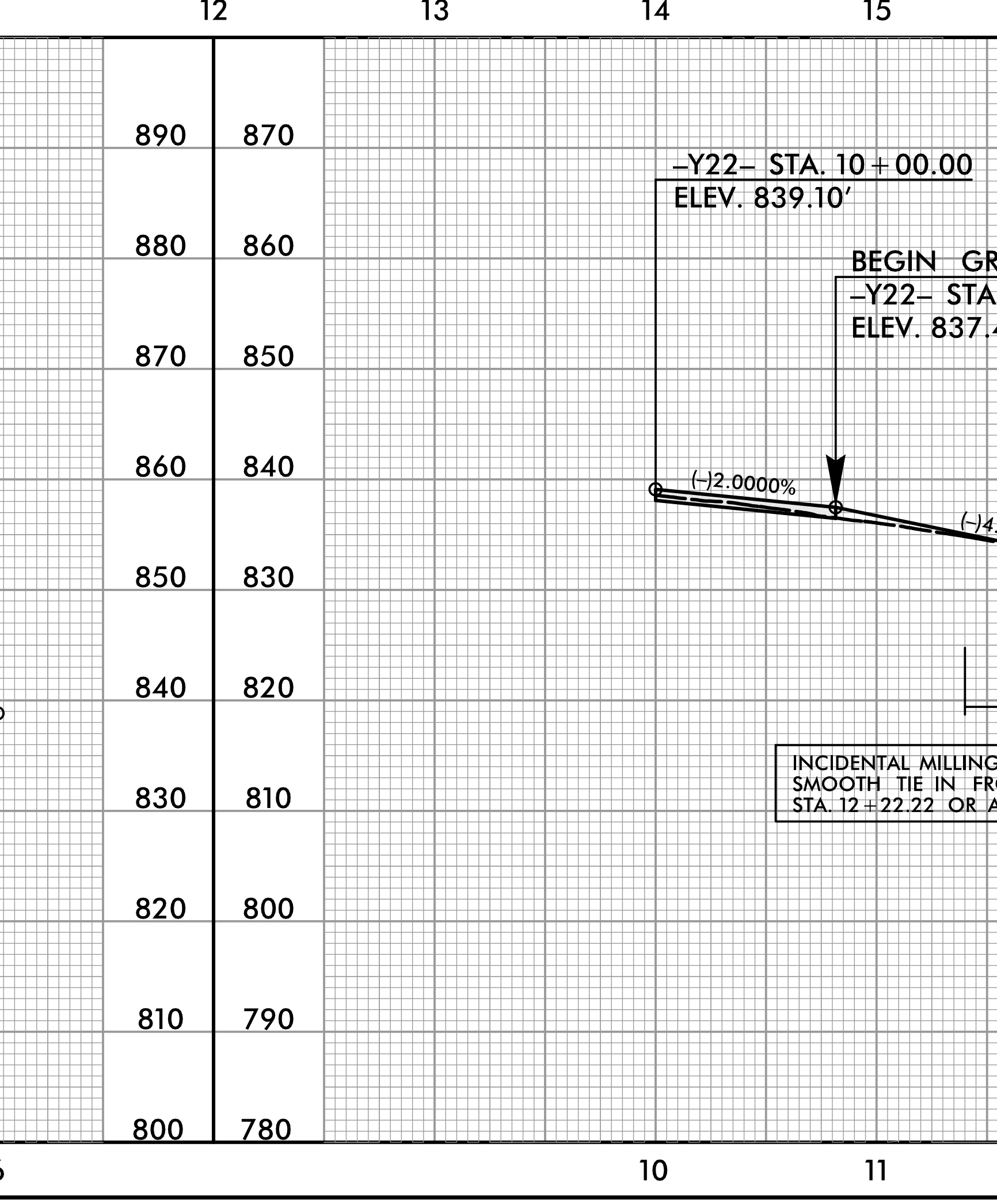
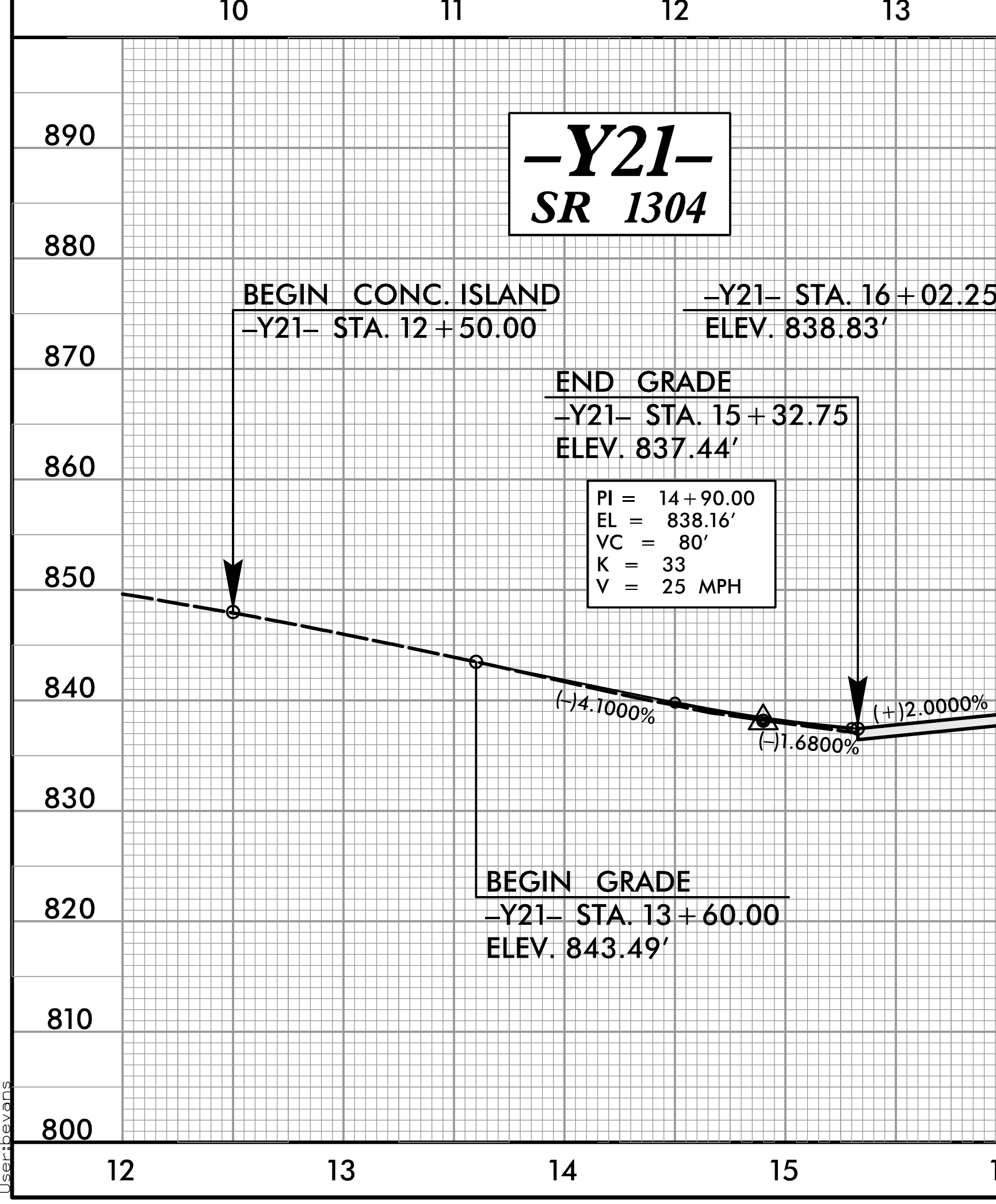
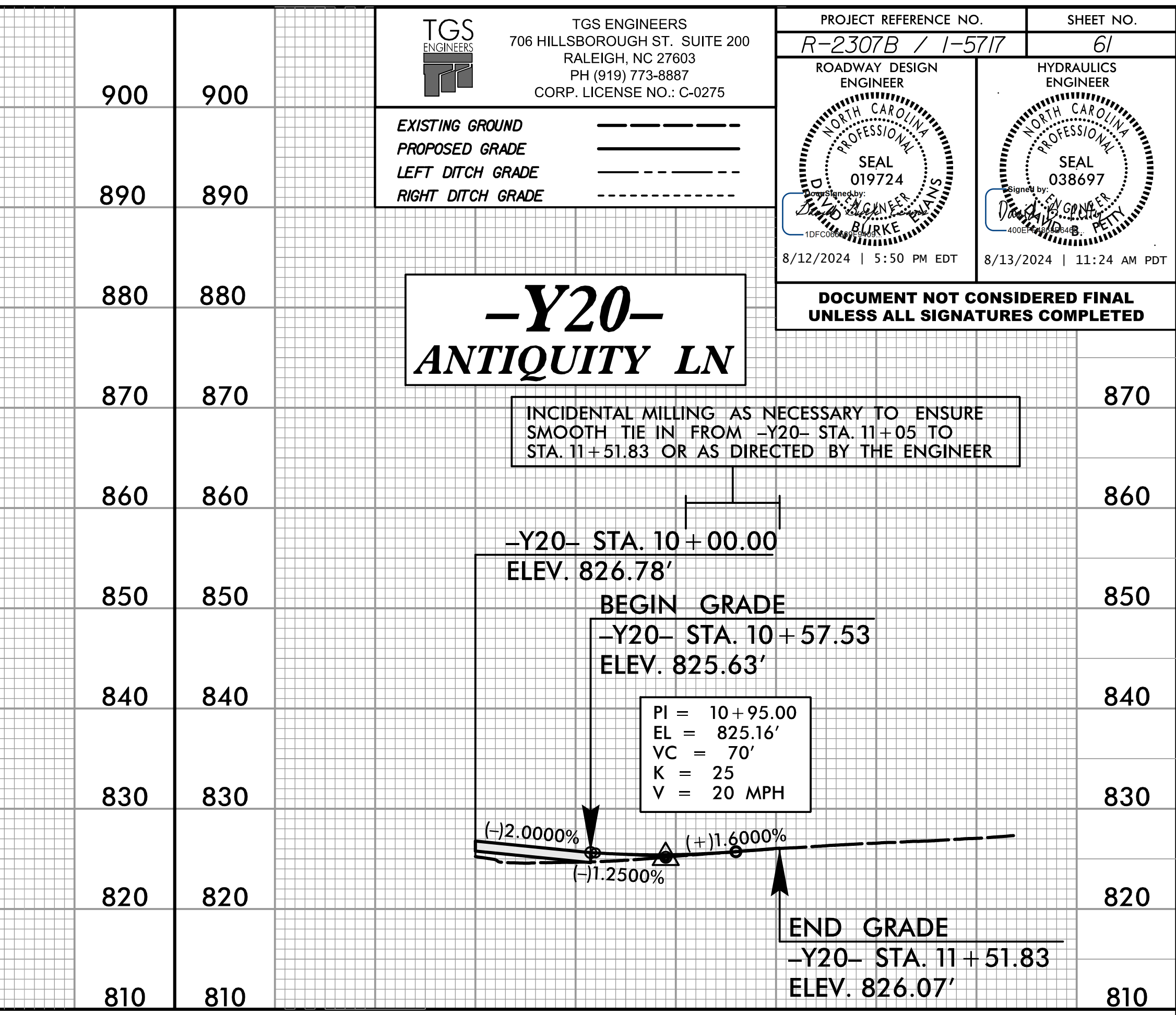
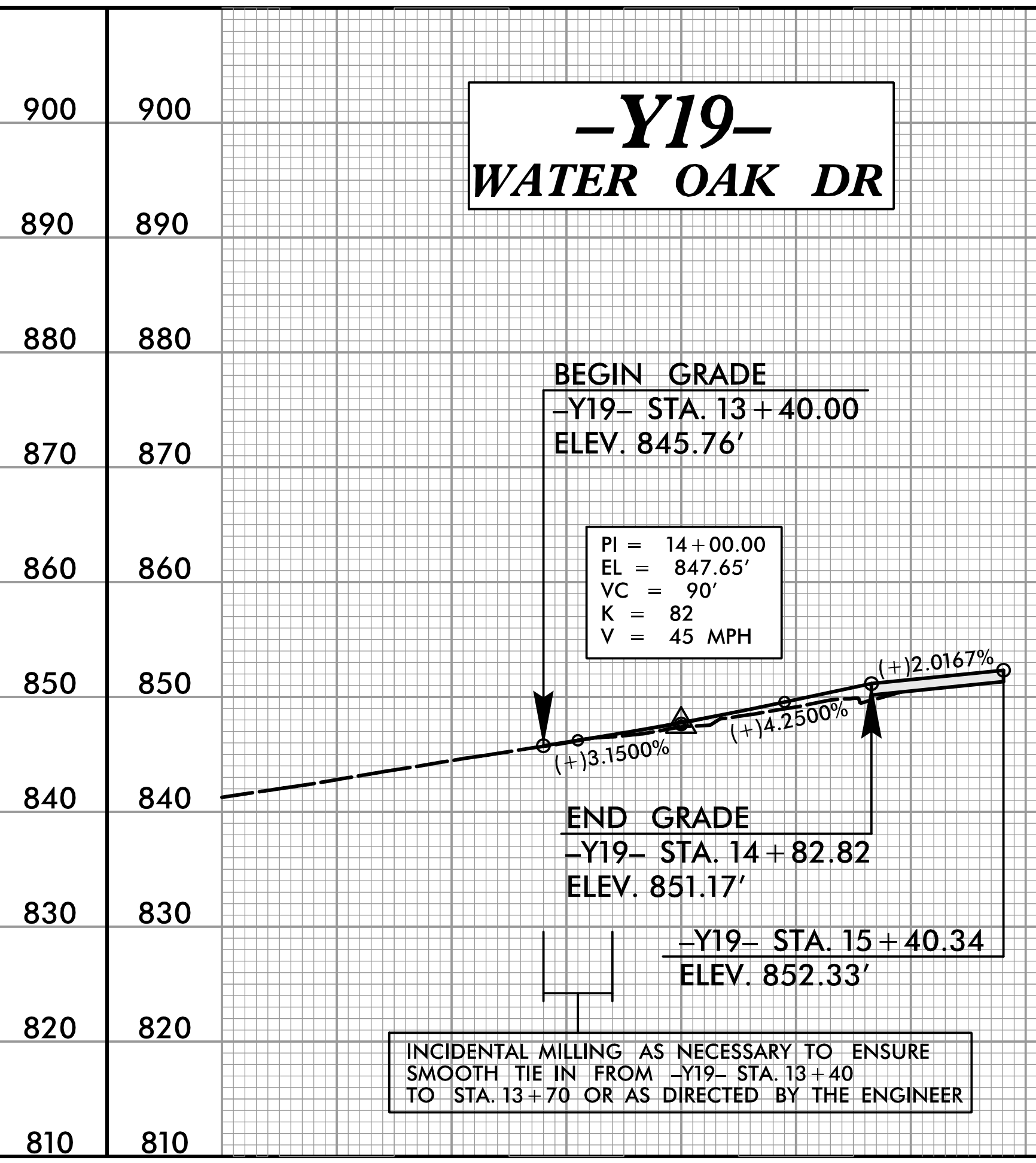
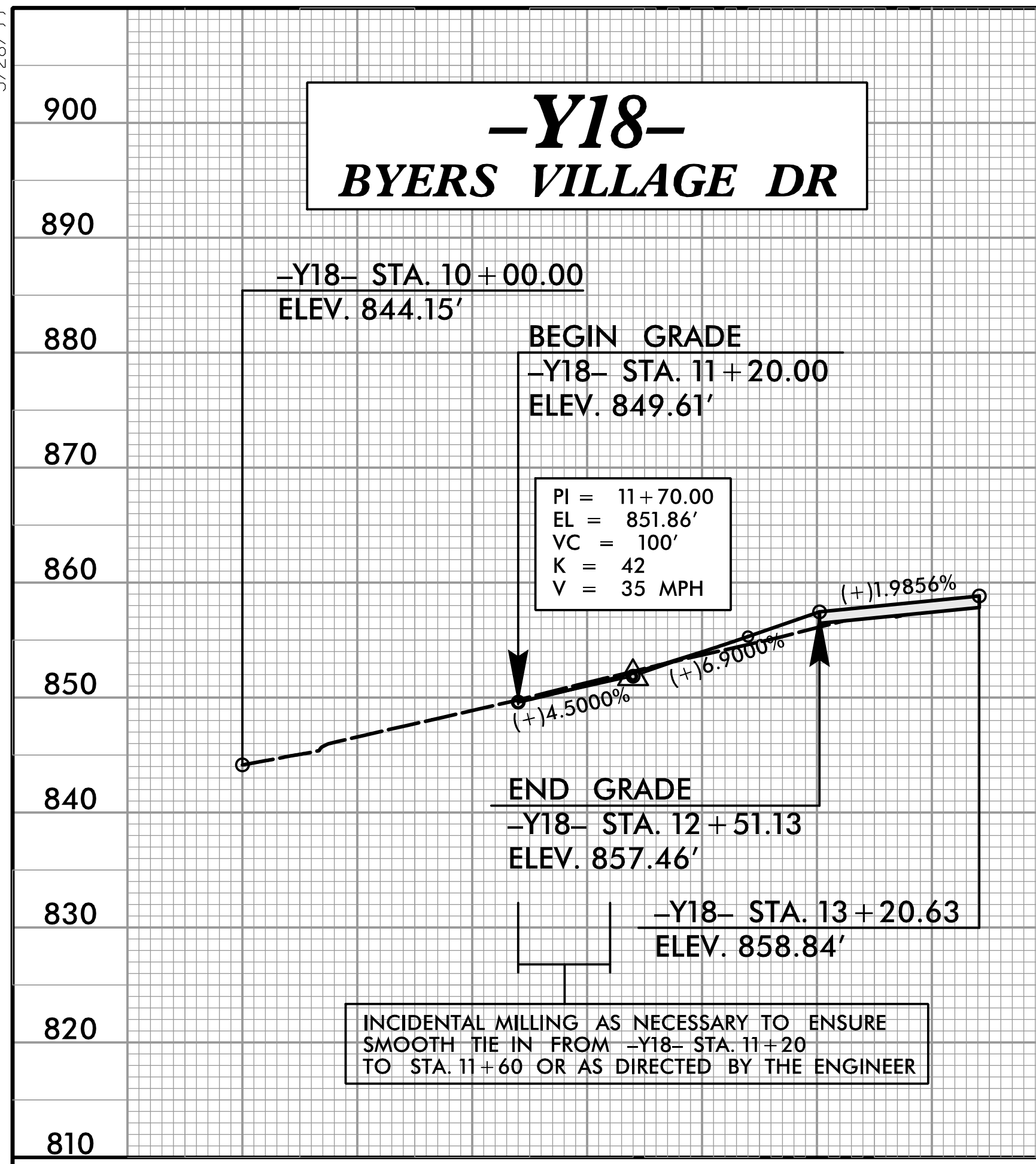
8/12/2024
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 User: j...

5/28/24

TGS ENGINEERS
 706 HILLSBOROUGH ST. SUITE 200
 RALEIGH, NC 27603
 PH (919) 773-8887
 CORP. LICENSE NO.: C-0275

EXISTING GROUND _____
 PROPOSED GRADE _____
 LEFT DITCH GRADE _____
 RIGHT DITCH GRADE _____

PROJECT REFERENCE NO. R-2307B / I-5717	SHEET NO. 61
ROADWAY DESIGN ENGINEER DAVID BURKE SEAL 019724 8/12/2024 5:50 PM EDT	HYDRAULICS ENGINEER DAVID BURKE SEAL 038697 8/13/2024 11:24 AM PDT



8/12/2024
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lsc@tgs.com

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INCIDENTAL MILLING AS NECESSARY TO ENSURE
SMOOTH TIE IN FROM -Y20- STA. 11+05 TO
STA. 11+51.83 OR AS DIRECTED BY THE ENGINEER

INCIDENTAL MILLING AS NECESSARY TO ENSURE
SMOOTH TIE IN FROM -Y19- STA. 13+40
TO STA. 13+70 OR AS DIRECTED BY THE ENGINEER

INCIDENTAL MILLING AS NECESSARY TO ENSURE
SMOOTH TIE IN FROM -Y18- STA. 11+20
TO STA. 11+60 OR AS DIRECTED BY THE ENGINEER

INCIDENTAL MILLING AS NECESSARY TO ENSURE
SMOOTH TIE IN FROM -Y22- STA. 11+40 TO
STA. 12+22.22 OR AS DIRECTED BY THE ENGINEER

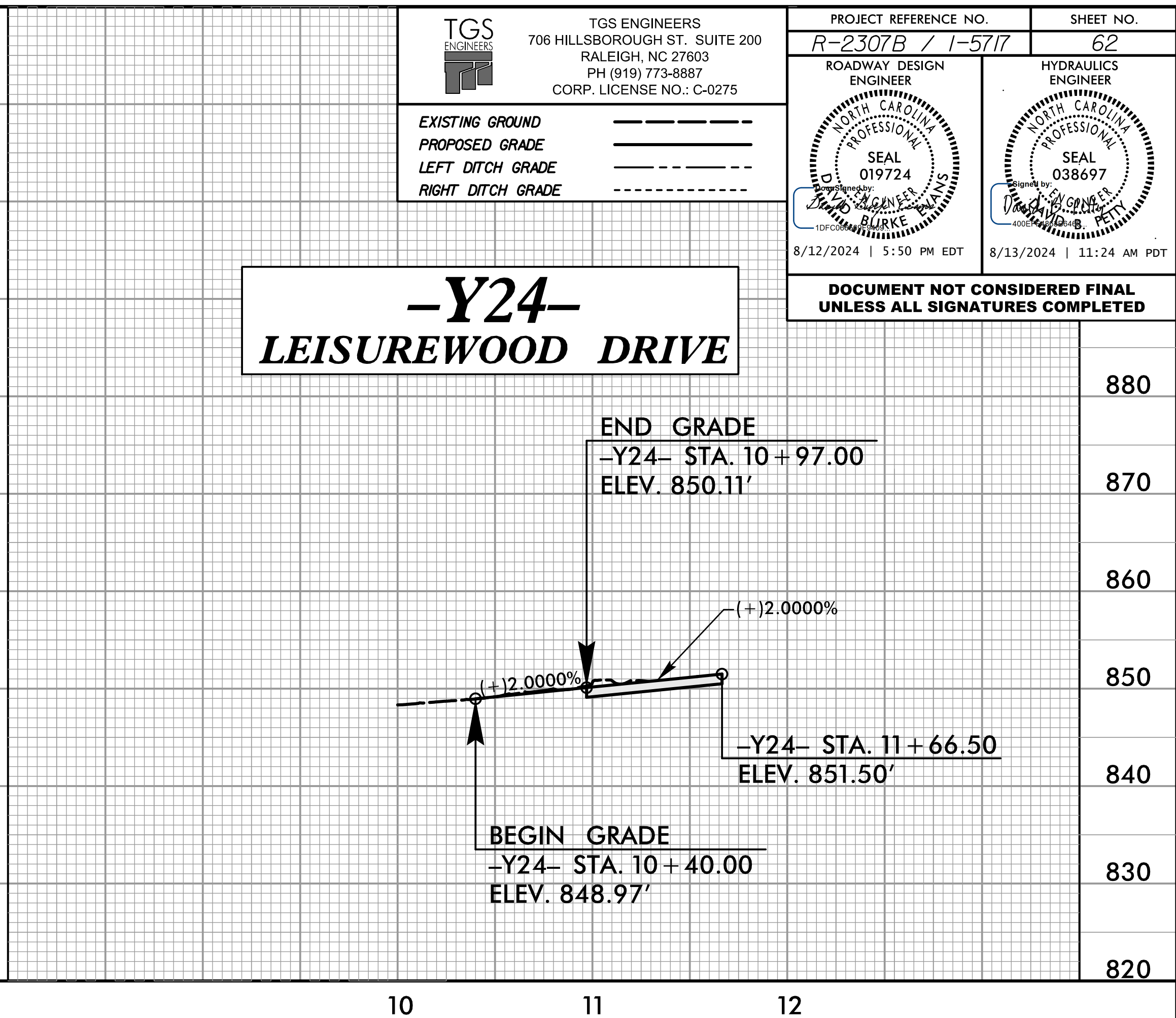
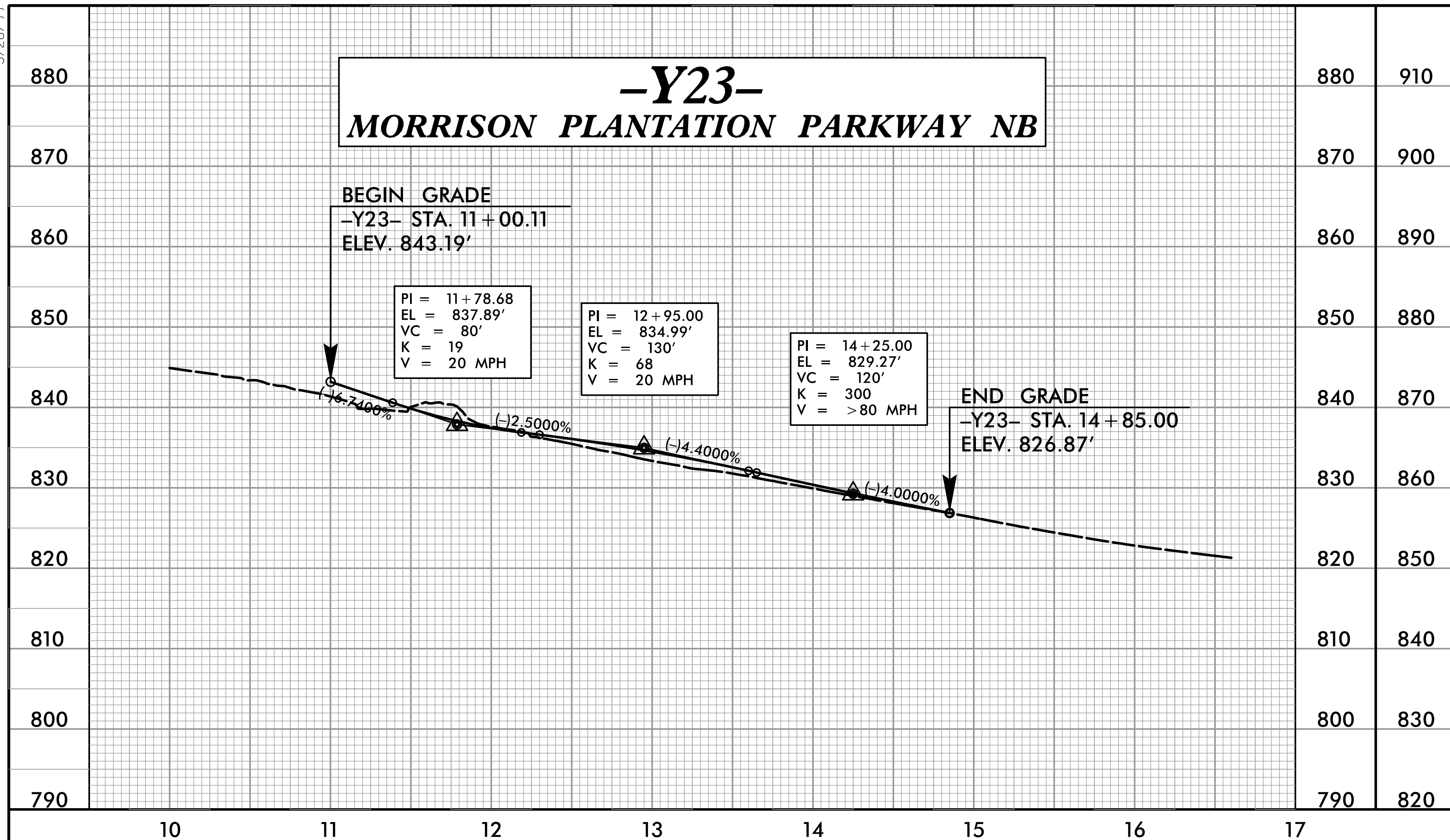
5/28/24

TGS ENGINEERS
 706 HILLSBOROUGH ST. SUITE 200
 RALEIGH, NC 27603
 PH (919) 773-8887
 CORP. LICENSE NO.: C-0275

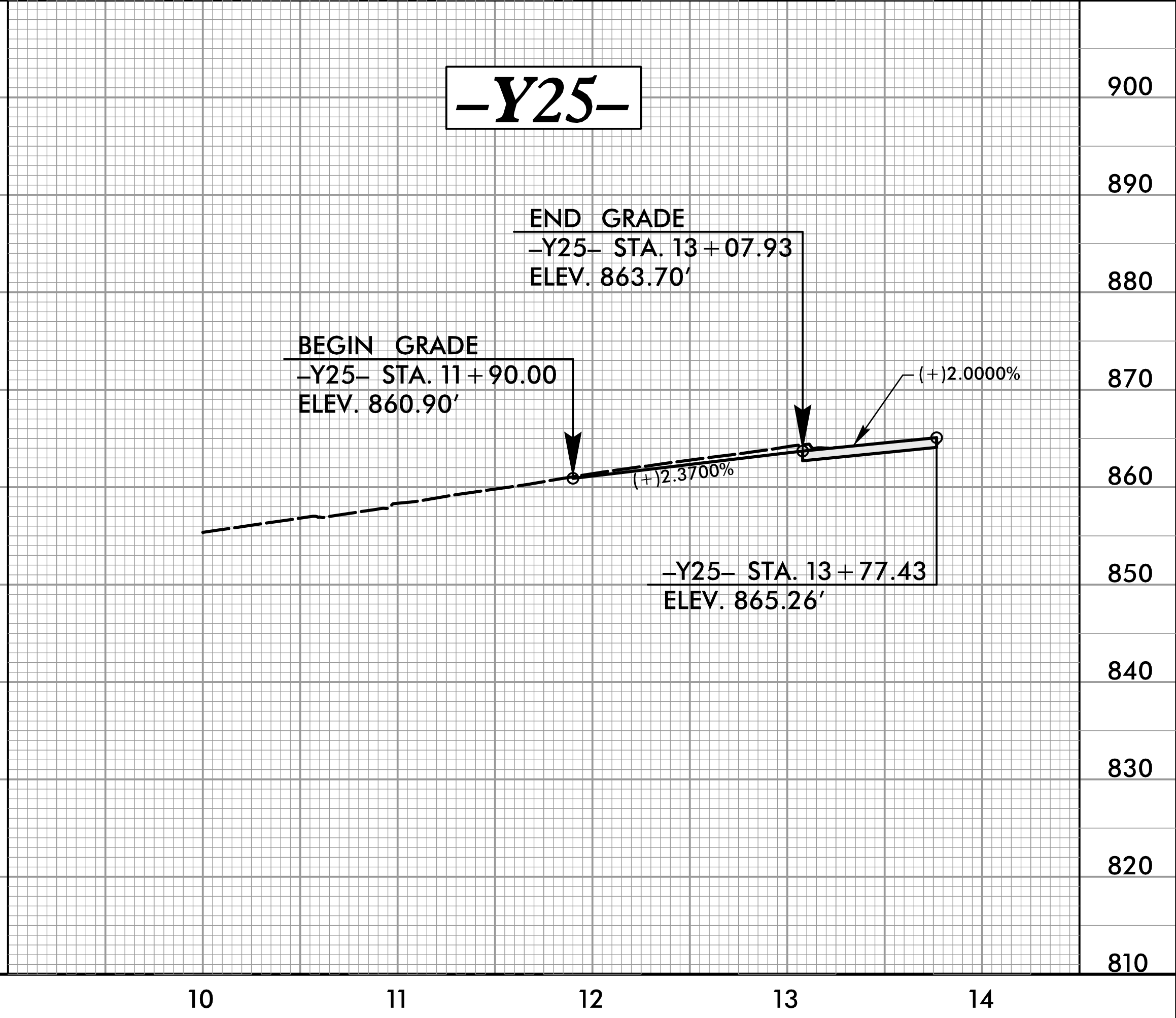
EXISTING GROUND _____
 PROPOSED GRADE _____
 LEFT DITCH GRADE _____
 RIGHT DITCH GRADE _____

PROJECT REFERENCE NO. R-2307B / I-5717	SHEET NO. 62
ROADWAY DESIGN ENGINEER SEAL 019724 <i>Timothy Burke</i>	HYDRAULICS ENGINEER SEAL 038697 <i>Timothy Burke</i>
8/12/2024 5:50 PM EDT	8/13/2024 11:24 AM PDT

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User: tgs

5/28/24

TGS ENGINEERS
 706 HILLSBOROUGH ST. SUITE 200
 RALEIGH, NC 27603
 PH (919) 773-8887
 CORP. LICENSE NO.: C-0275

EXISTING GROUND

PROPOSED GRADE

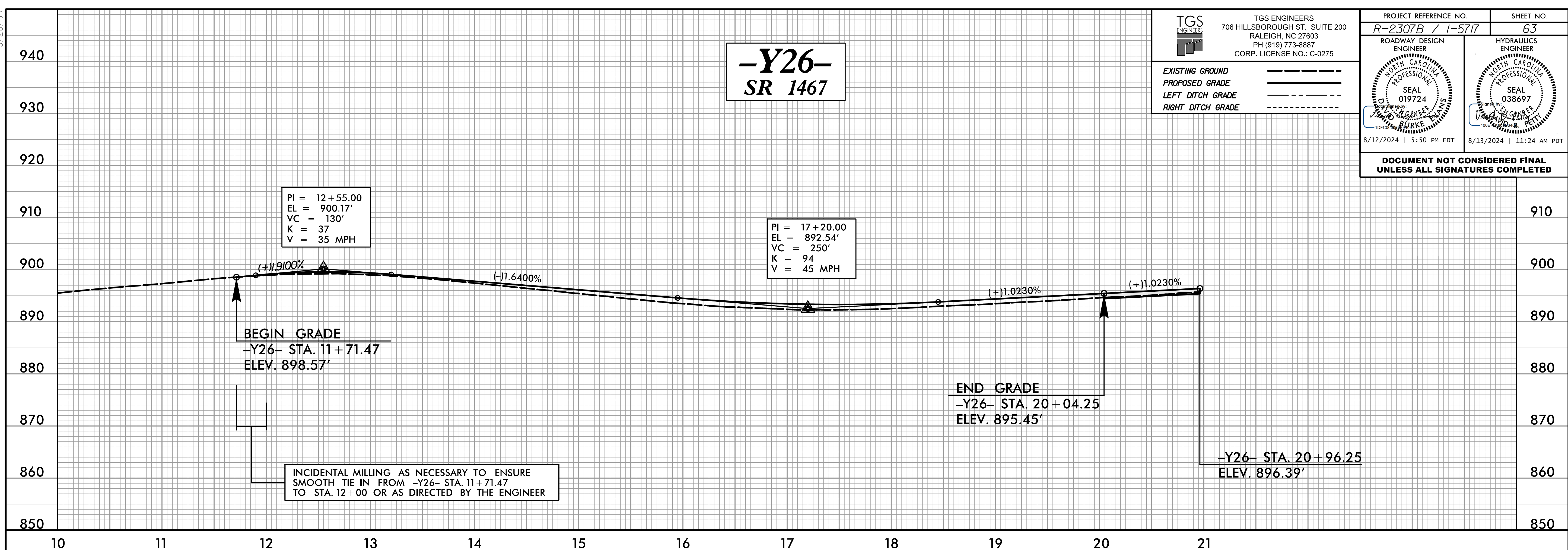
LEFT DITCH GRADE

RIGHT DITCH GRADE

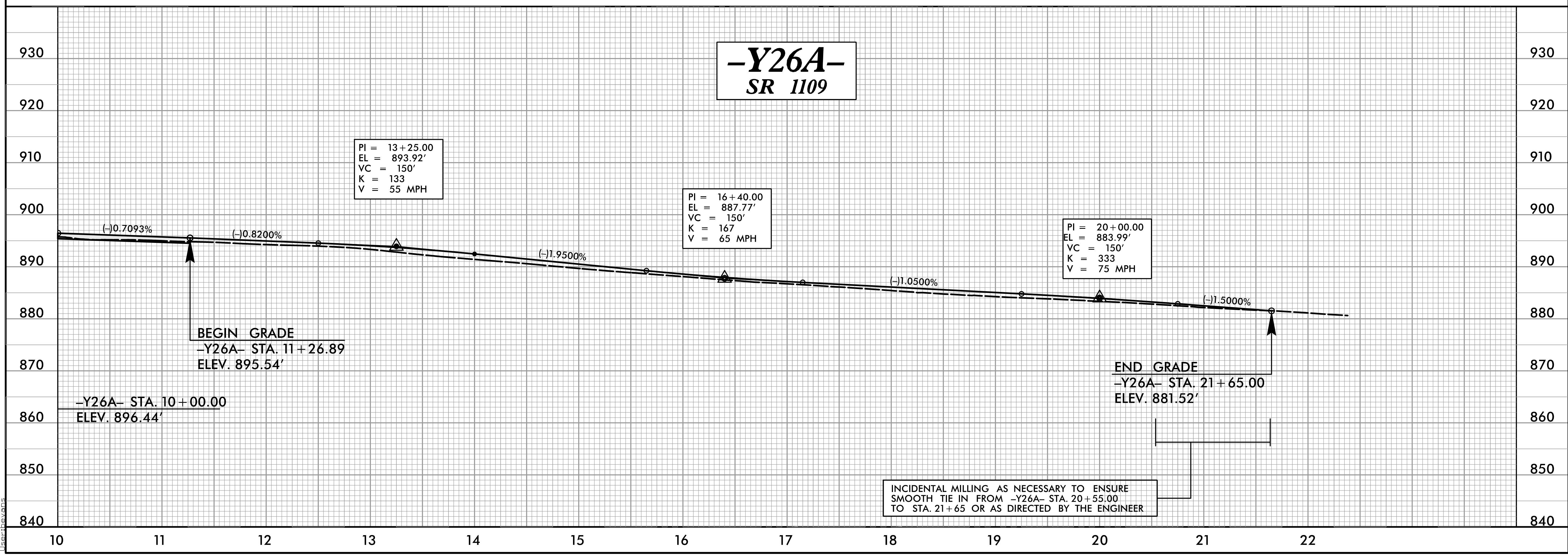
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ROADWAY DESIGN ENGINEER 	HYDRAULICS ENGINEER
8/12/2024 5:50 PM EDT	8/13/2024 11:24 AM PDT

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-Y26- SR 1467



-Y26A- SR 1109



8/12/2024
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TJB

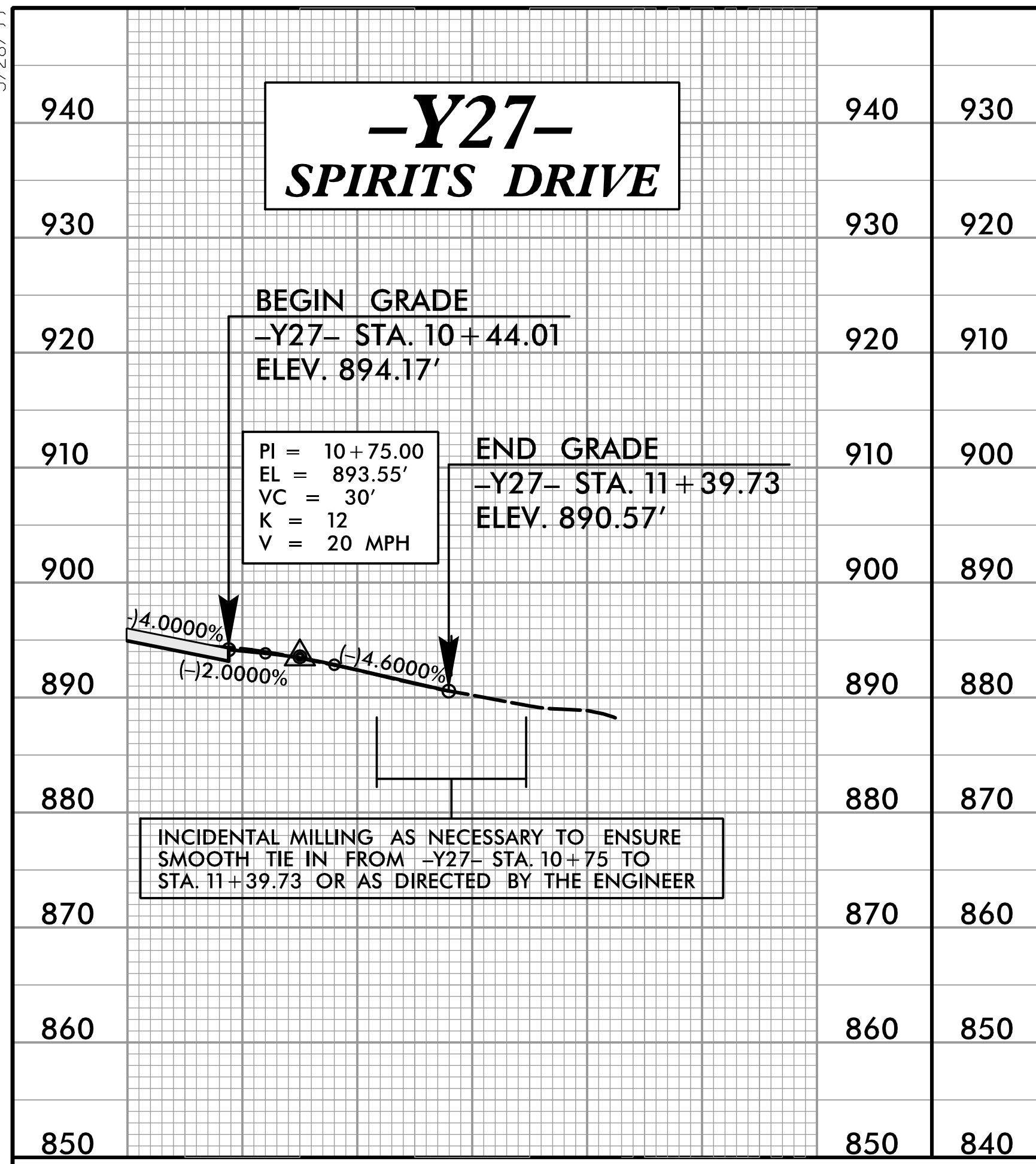
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TGS ENGINEERS
 706 HILLSBOROUGH ST., SUITE 200
 RALEIGH, NC 27603
 PH (919) 773-8887
 CORP. LICENSE NO.: C-0275

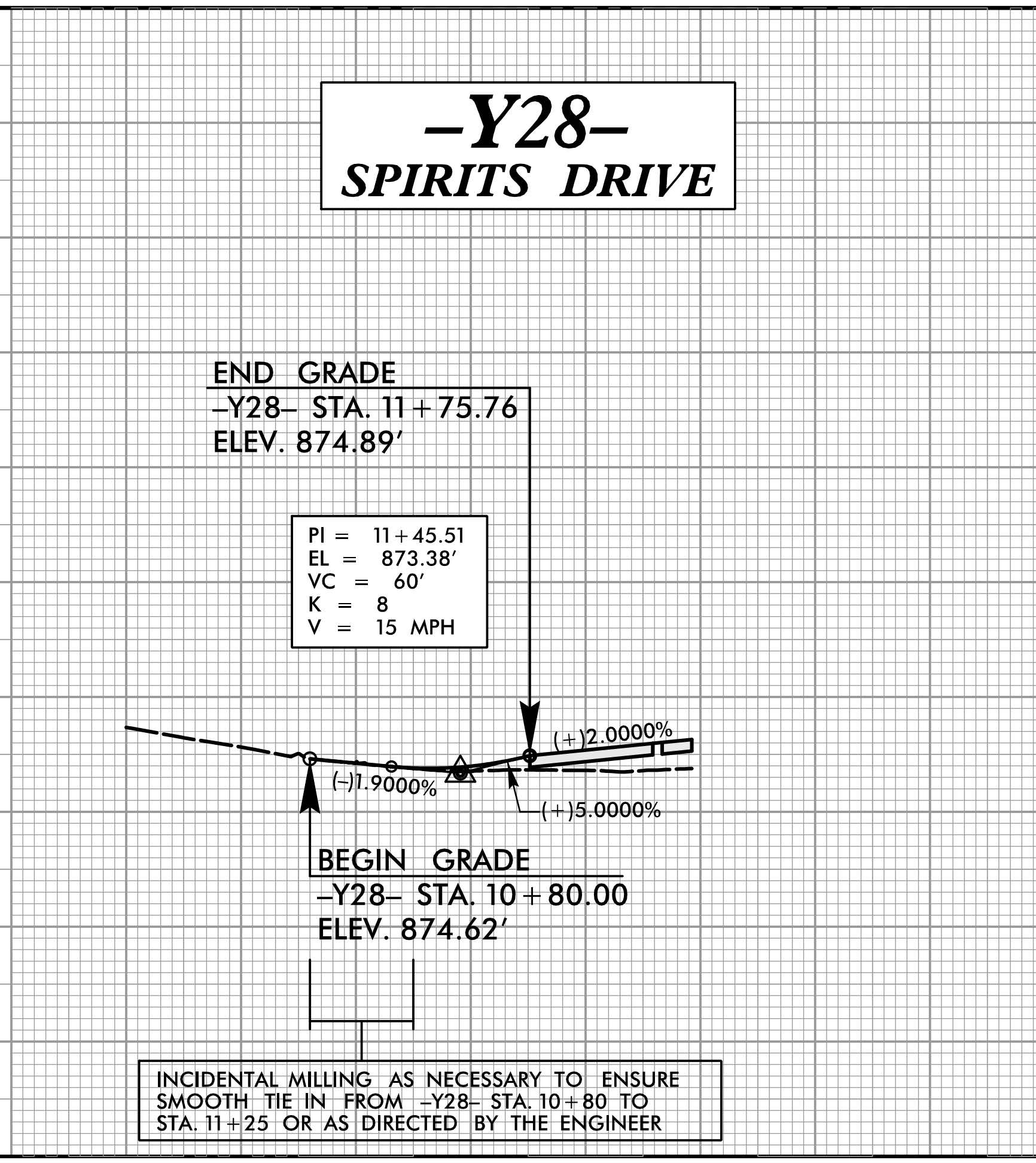
EXISTING GROUND _____
 PROPOSED GRADE _____
 LEFT DITCH GRADE _____
 RIGHT DITCH GRADE _____

PROJECT REFERENCE NO. R-2307B / I-5717	SHEET NO. 64
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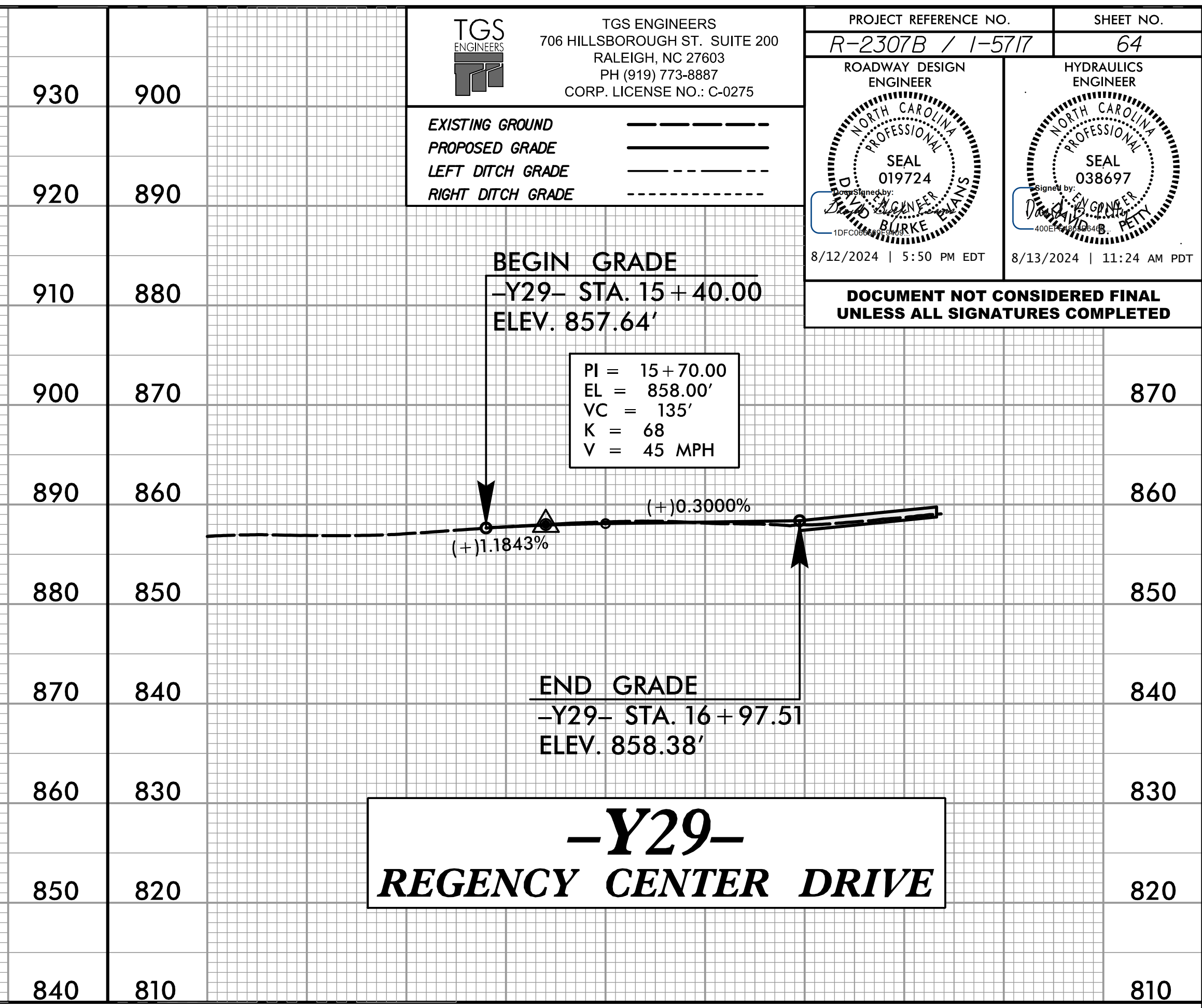
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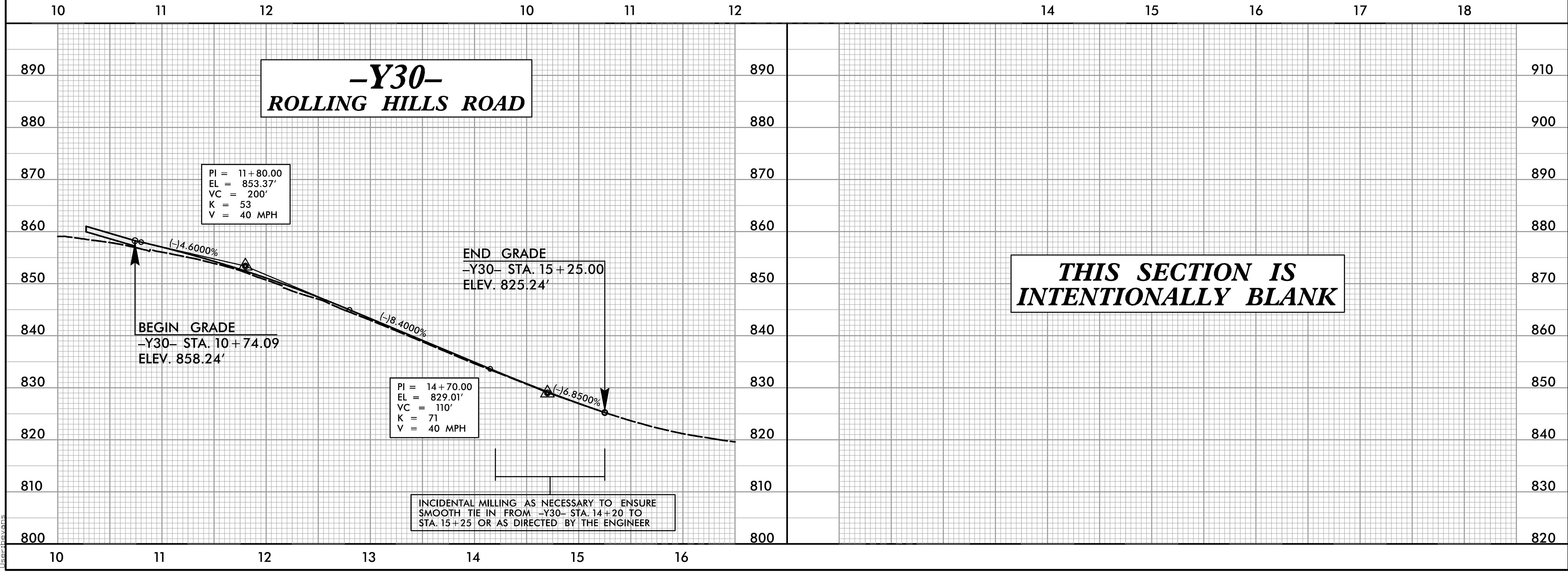
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INCIDENTAL MILLING AS NECESSARY TO ENSURE SMOOTH TIE IN FROM -Y28- STA. 10+80 TO STA. 11+25 OR AS DIRECTED BY THE ENGINEER



-Y29- REGENCY CENTER DRIVE







INCIDENTAL MILLING AS NECESSARY TO ENSURE SMOOTH TIE IN FROM -Y30- STA. 14+20 TO STA. 15+25 OR AS DIRECTED BY THE ENGINEER

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8/12/2024
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User: pcovans

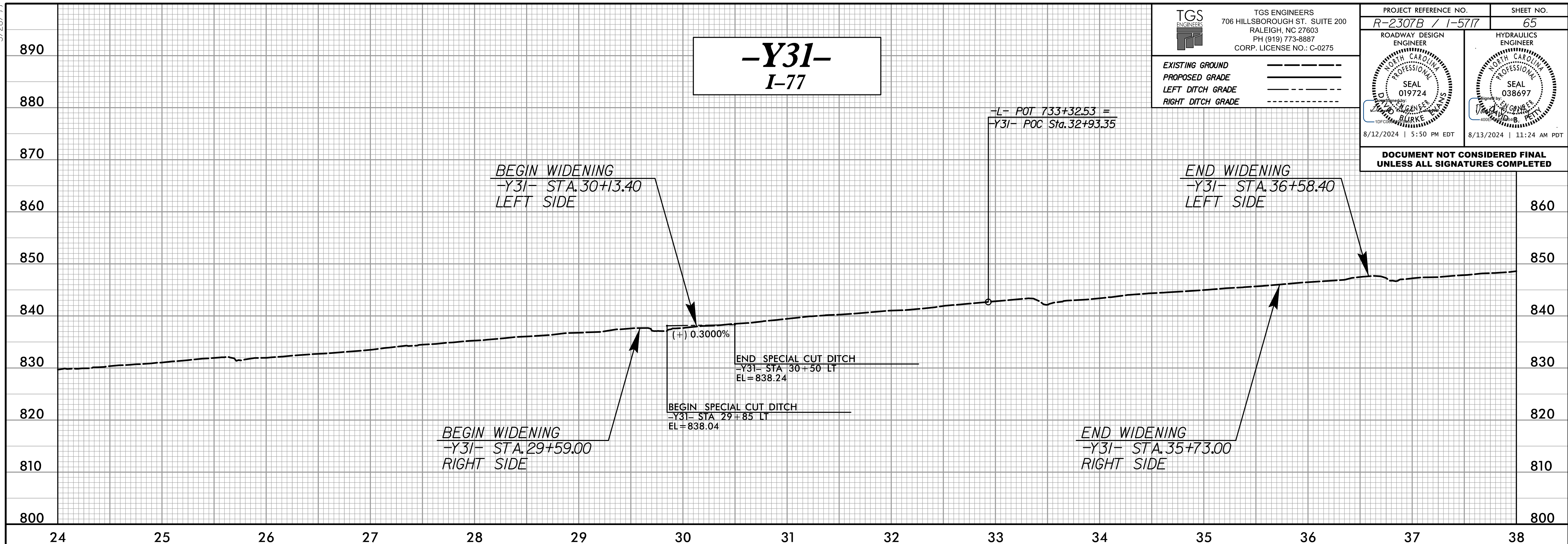
5/28/24

TGS ENGINEERS
 706 HILLSBOROUGH ST. SUITE 200
 RALEIGH, NC 27603
 PH (919) 773-8887
 CORP. LICENSE NO.: C-0275

EXISTING GROUND 
 PROPOSED GRADE 
 LEFT DITCH GRADE 
 RIGHT DITCH GRADE 

PROJECT REFERENCE NO. R-2307B / I-577	SHEET NO. 65
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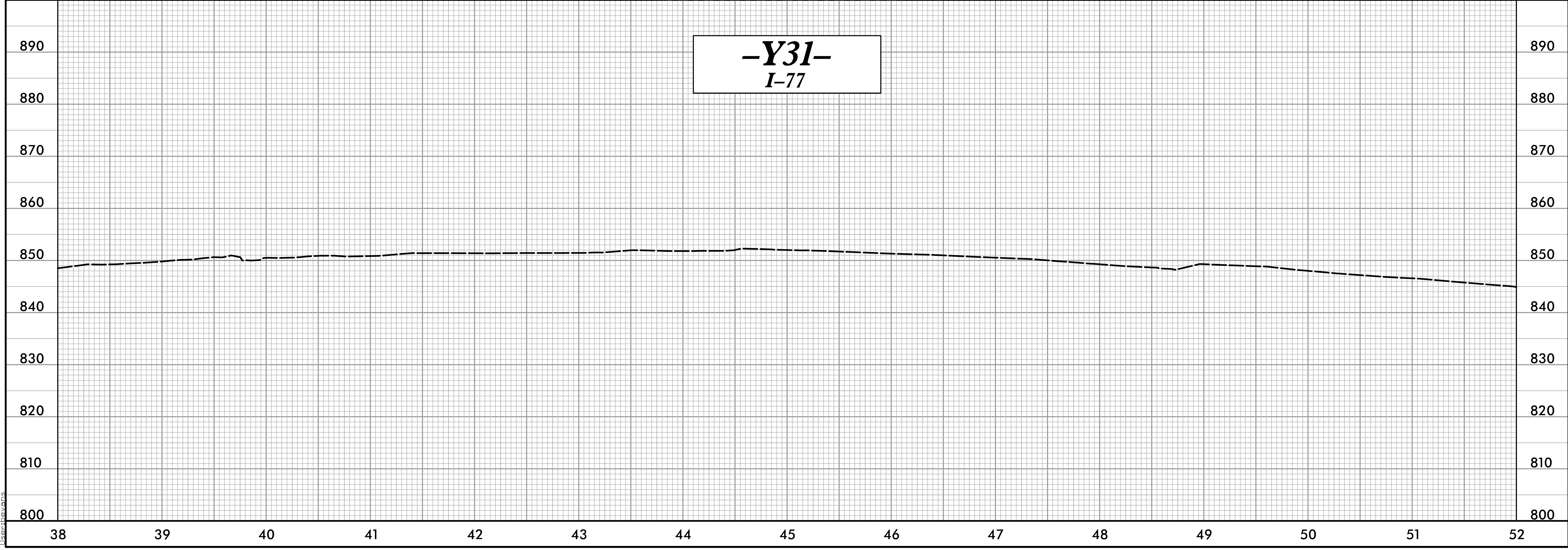
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



**-Y31-
I-77**

**-Y31-
I-77**

8/12/2024
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User: dave



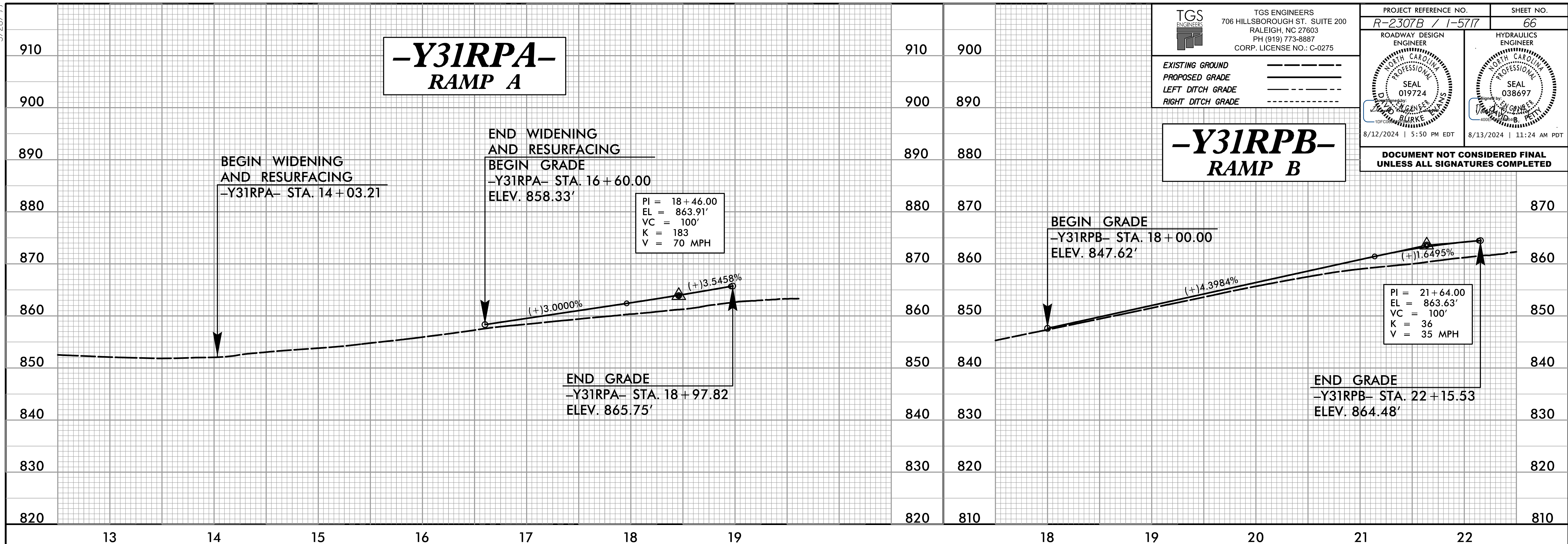
5/28/24

TGS ENGINEERS
 706 HILLSBOROUGH ST. SUITE 200
 RALEIGH, NC 27603
 PH (919) 773-8887
 CORP. LICENSE NO.: C-0275

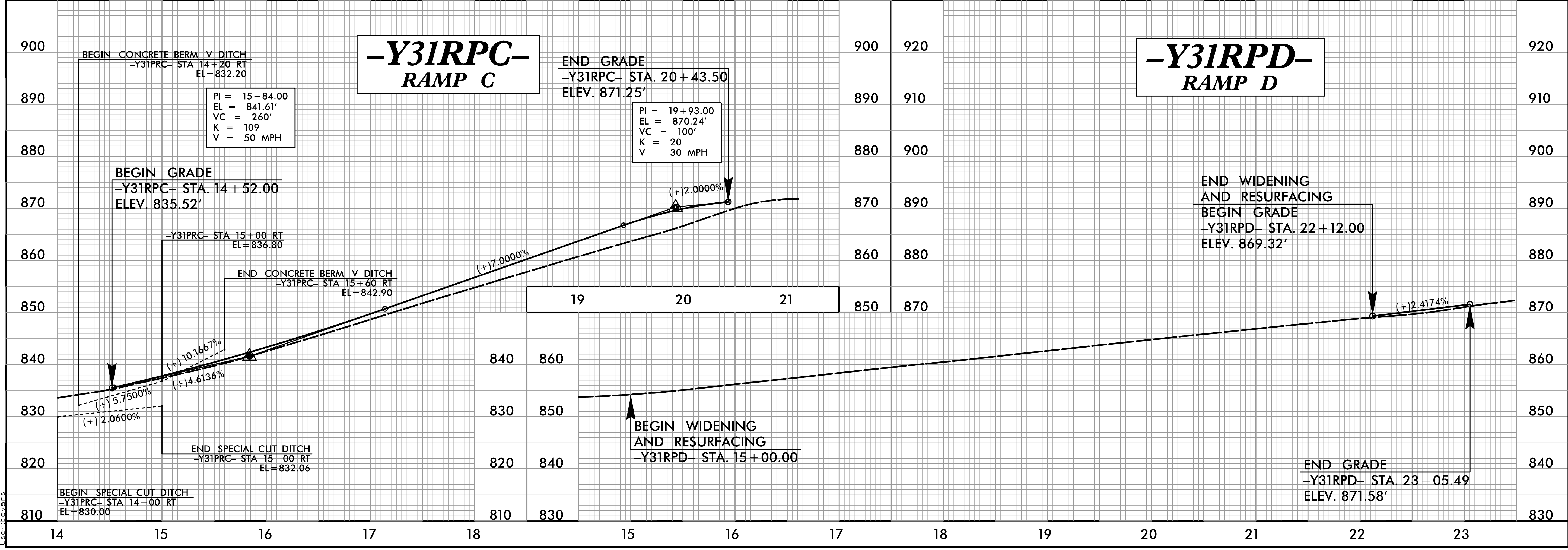
EXISTING GROUND _____
 PROPOSED GRADE _____
 LEFT DITCH GRADE _____
 RIGHT DITCH GRADE _____

PROJECT REFERENCE NO. R-2307B / I-5717	SHEET NO. 66
ROADWAY DESIGN ENGINEER DAVID BURKE SEAL 019724 8/12/2024 5:50 PM EDT	HYDRAULICS ENGINEER WILLIAM S. PEY SEAL 038697 8/13/2024 11:24 AM PDT

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8/12/2024
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User: dave



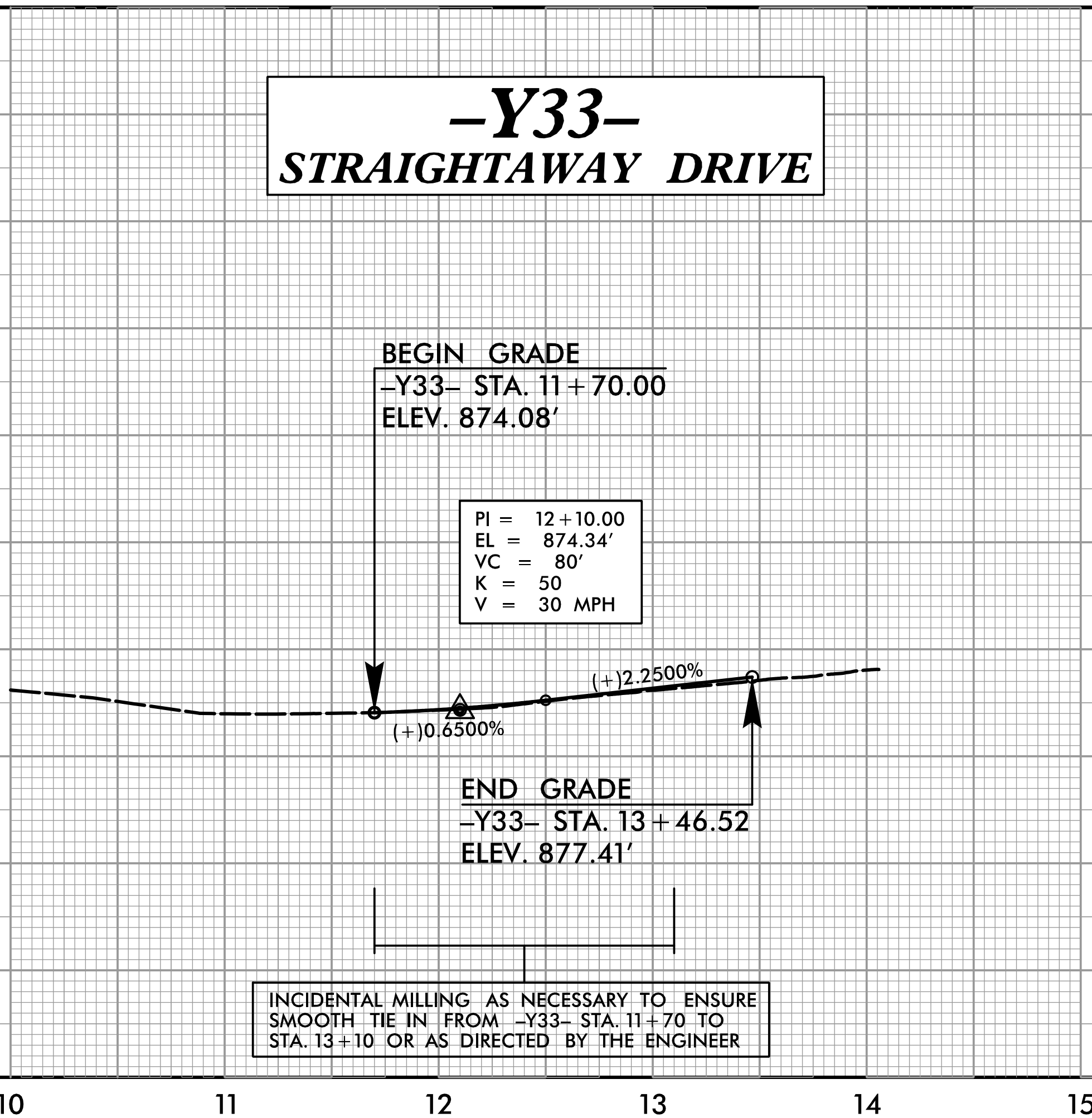
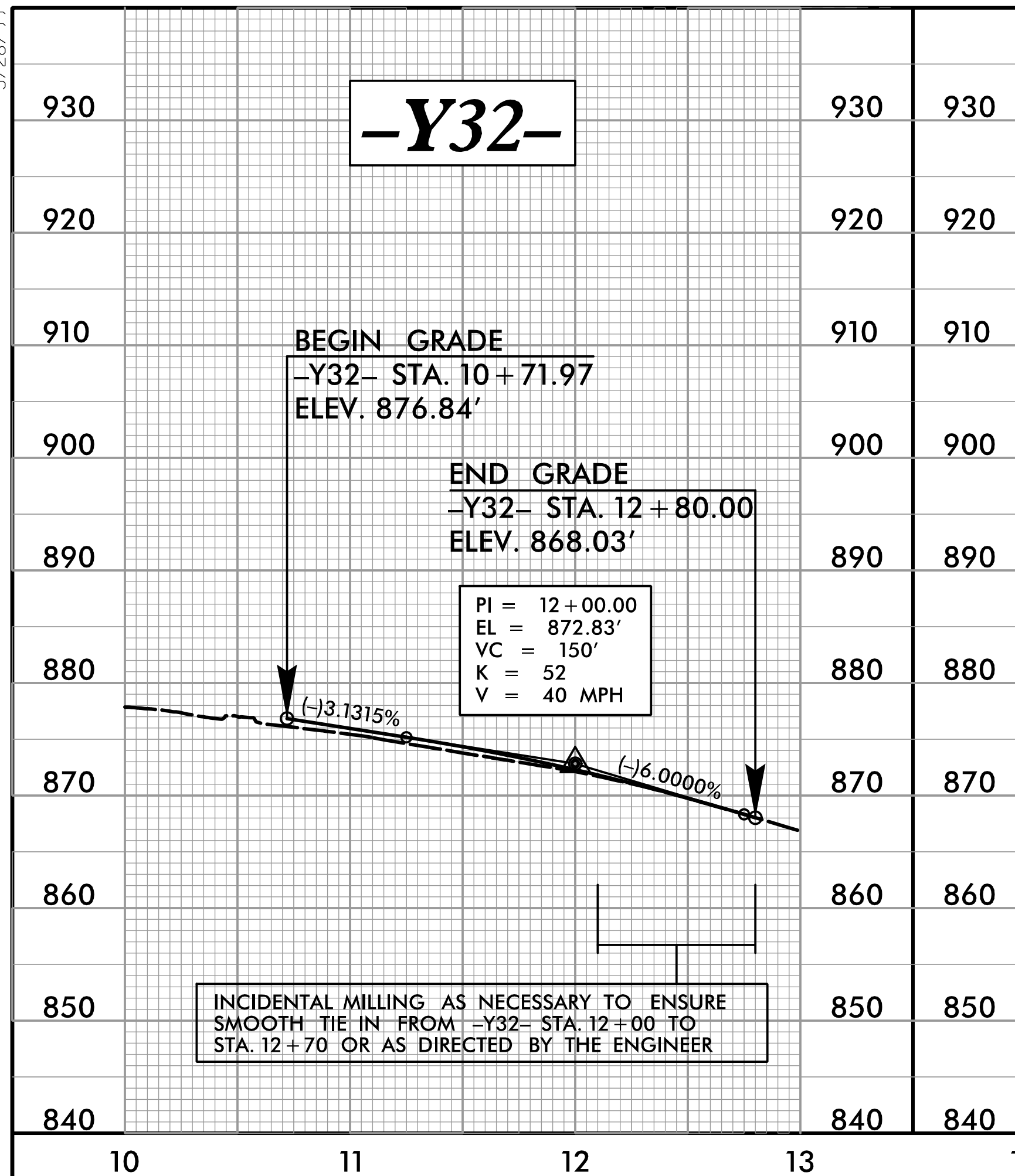
5/28/24

TGS ENGINEERS
 706 HILLSBOROUGH ST. SUITE 200
 RALEIGH, NC 27603
 PH (919) 773-8887
 CORP. LICENSE NO.: C-0275

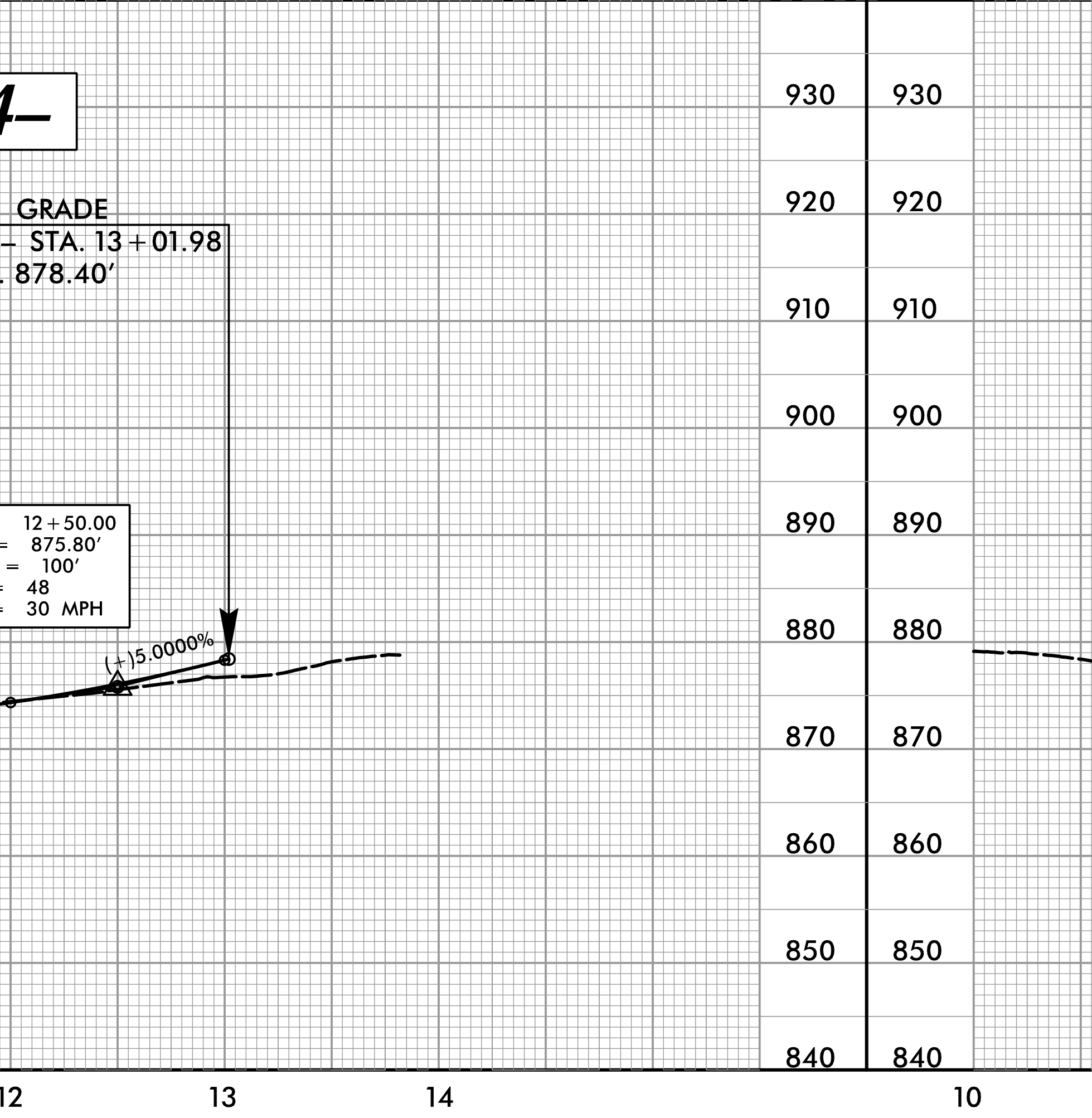
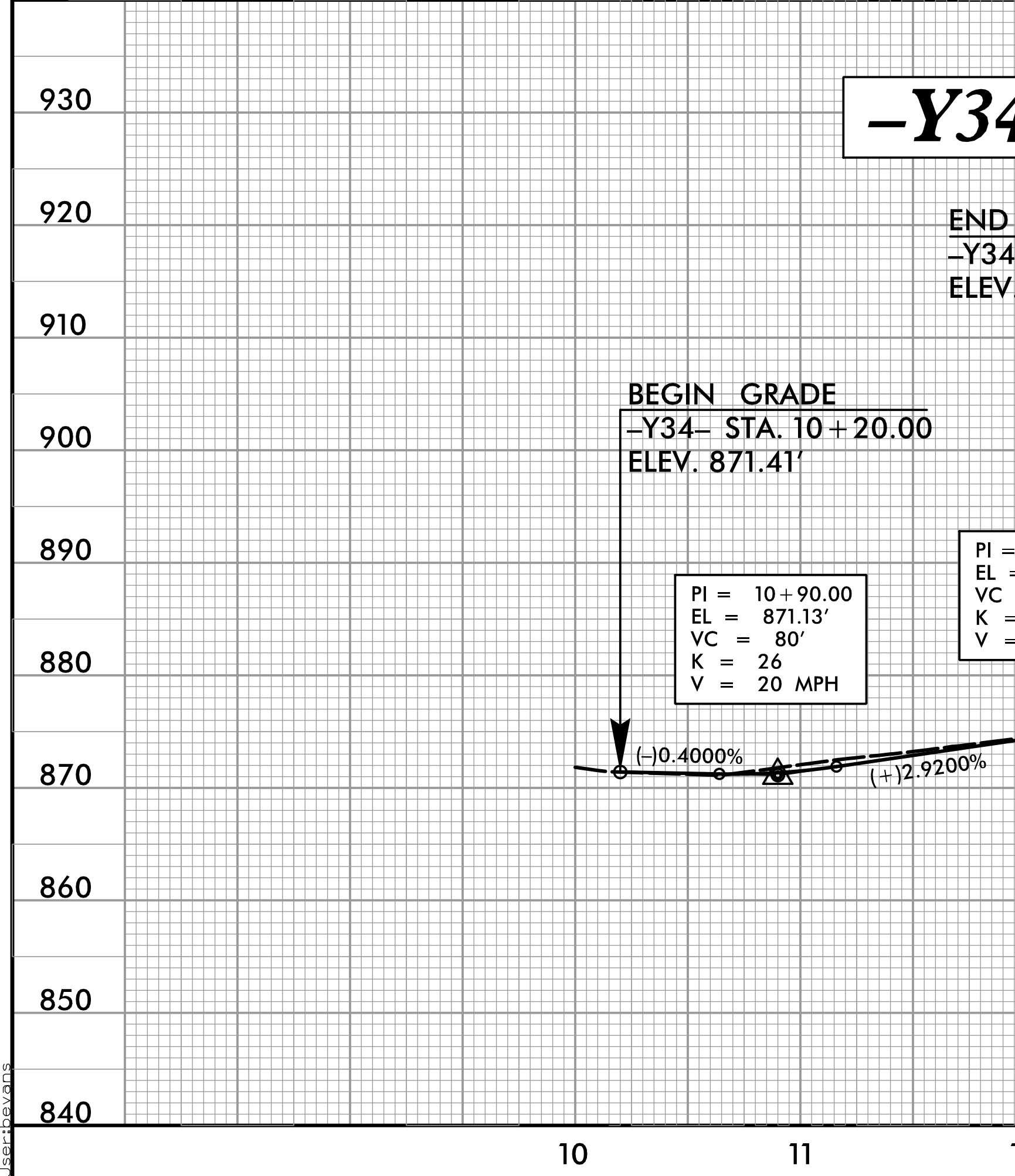
EXISTING GROUND _____
 PROPOSED GRADE _____
 LEFT DITCH GRADE _____
 RIGHT DITCH GRADE _____

PROJECT REFERENCE NO. R-2307B / I-5717	SHEET NO. 67
ROADWAY DESIGN ENGINEER DAVID BURKE SEAL 019724	HYDRAULICS ENGINEER DAVID BURKE SEAL 038697
8/12/2024 5:50 PM EDT	8/13/2024 11:24 AM PDT

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



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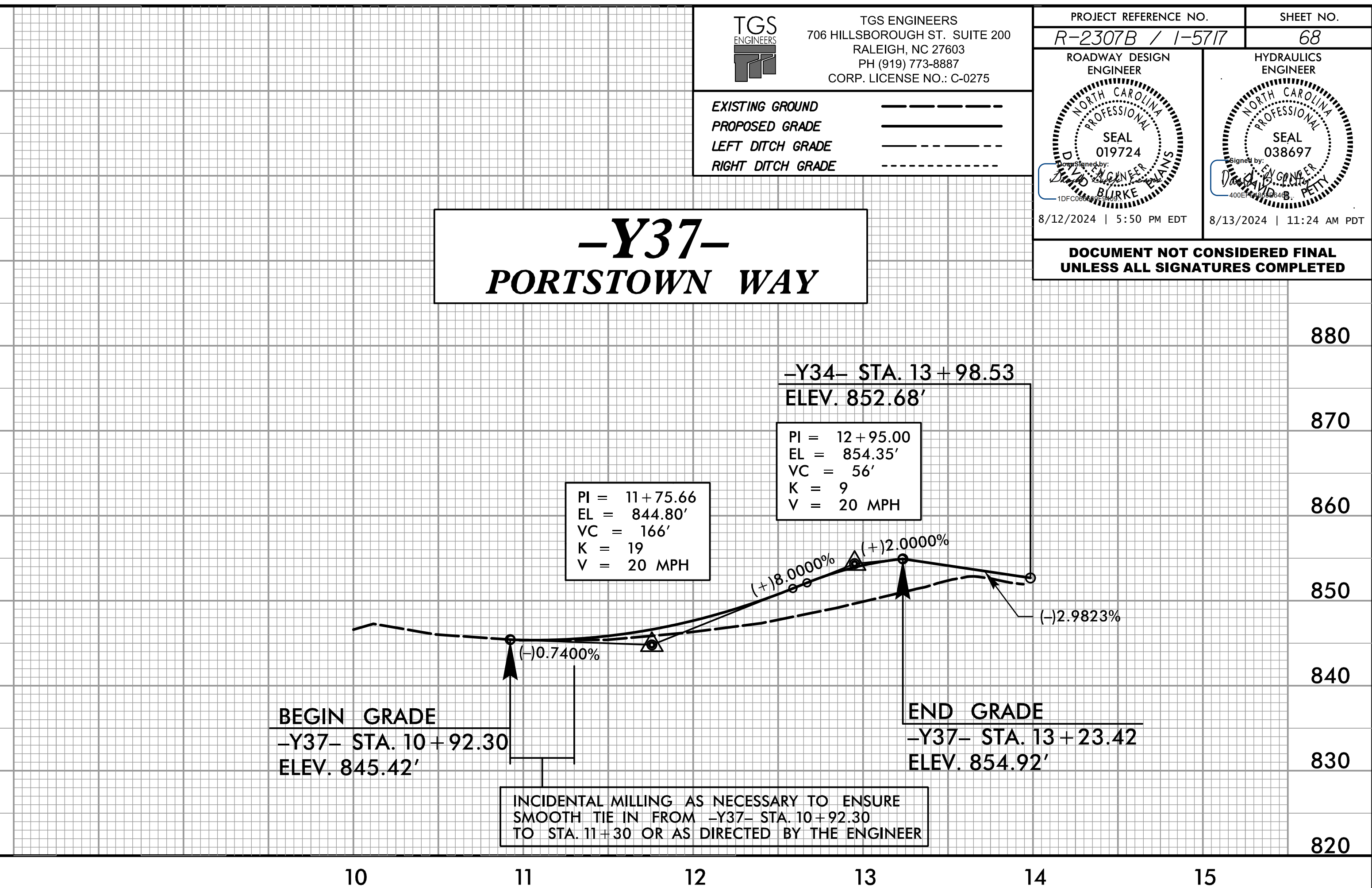
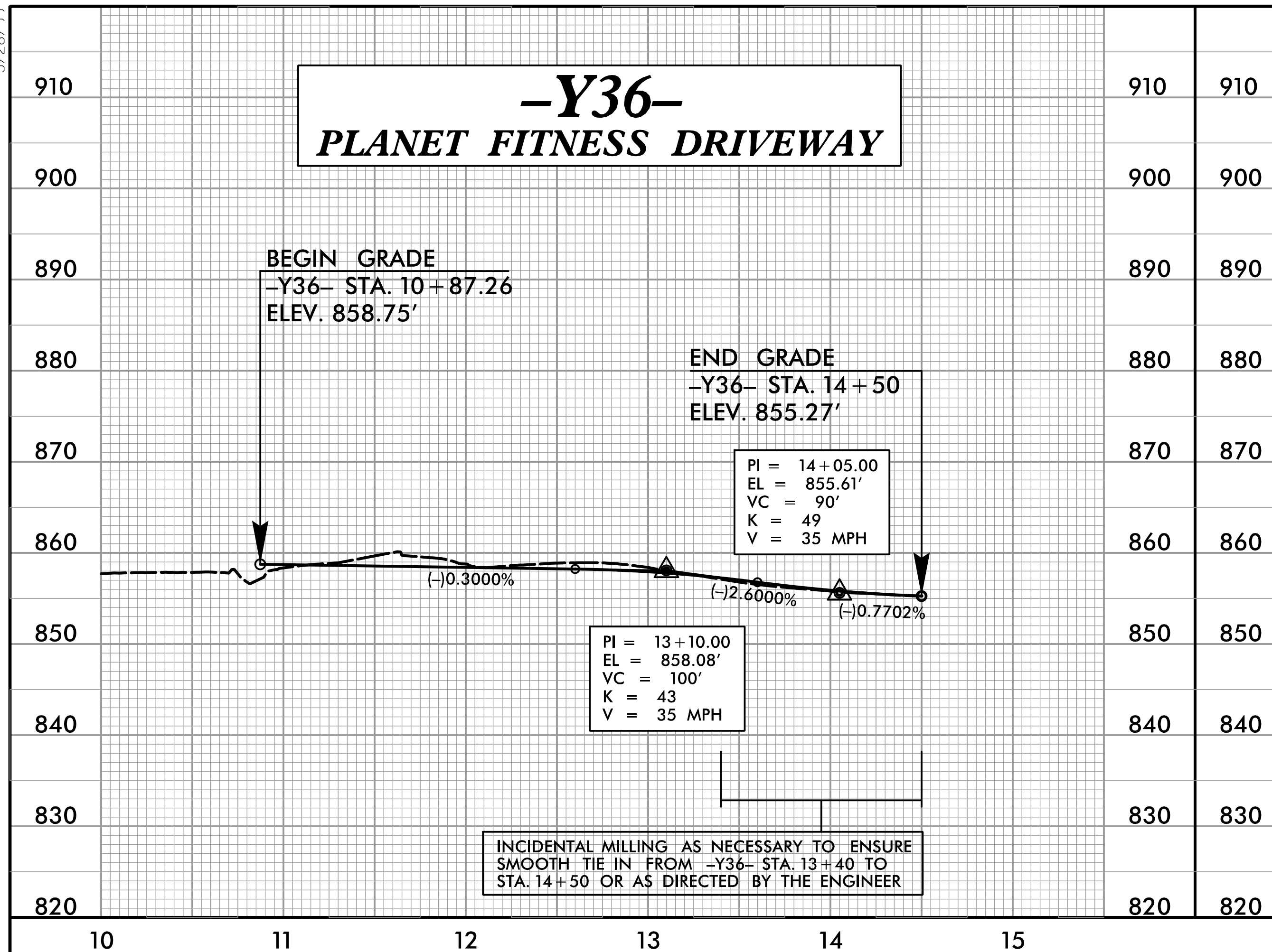
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User: dave

5/28/24

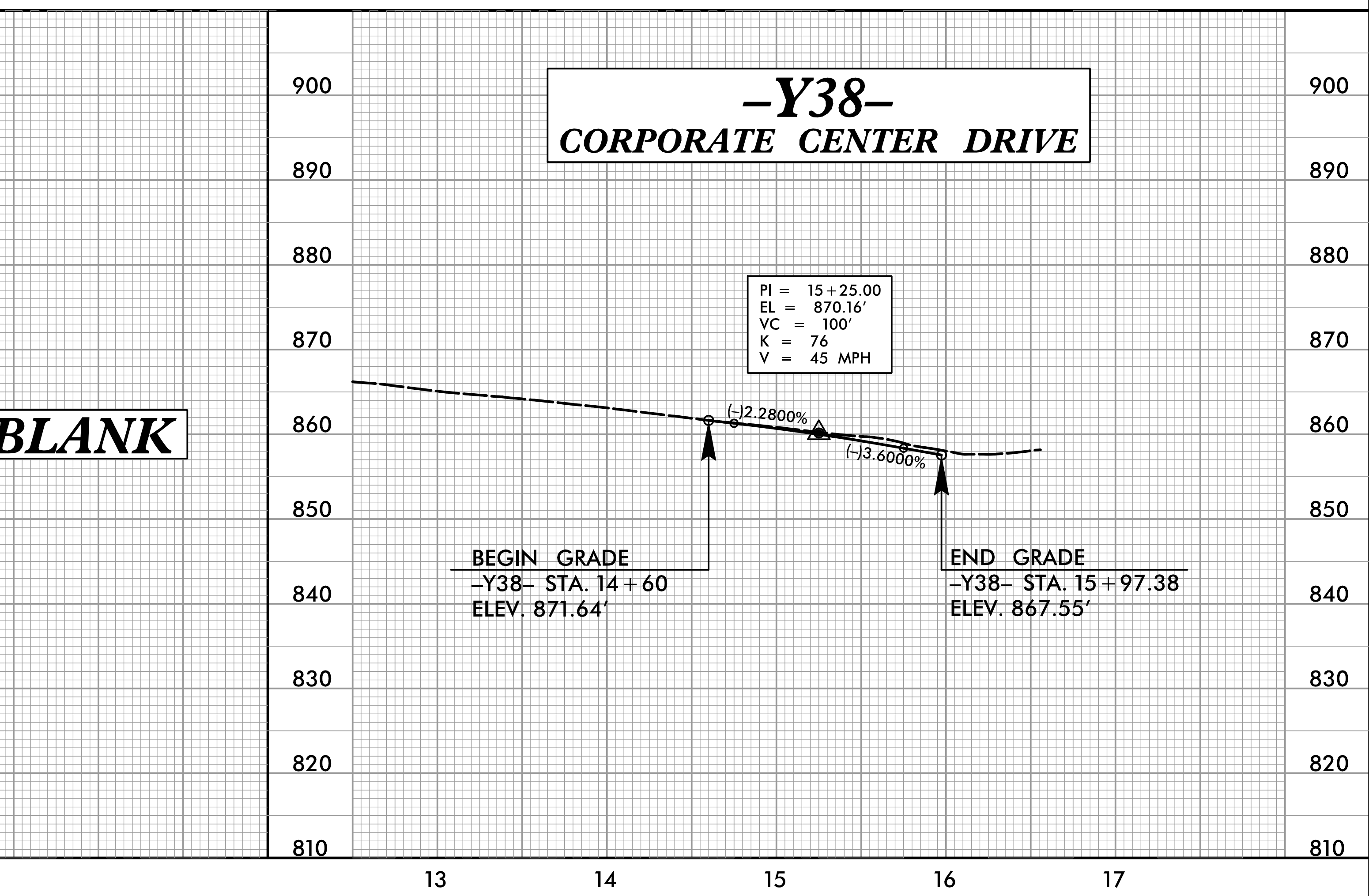
TGS ENGINEERS
 706 HILLSBOROUGH ST. SUITE 200
 RALEIGH, NC 27603
 PH (919) 773-8887
 CORP. LICENSE NO.: C-0275

EXISTING GROUND _____
 PROPOSED GRADE _____
 LEFT DITCH GRADE _____
 RIGHT DITCH GRADE _____

PROJECT REFERENCE NO. R-2307B / I-5717	SHEET NO. 68
ROADWAY DESIGN ENGINEER DAVID BURKE SEAL 019724 8/12/2024 5:50 PM EDT	HYDRAULICS ENGINEER DAVID BURKE SEAL 038697 8/13/2024 11:24 AM PDT



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8/12/2024
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jburke

5/28/24

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 706 HILLSBOROUGH ST. SUITE 200
 RALEIGH, NC 27603
 PH (919) 773-8887
 CORP. LICENSE NO.: C-0275

EXISTING GROUND

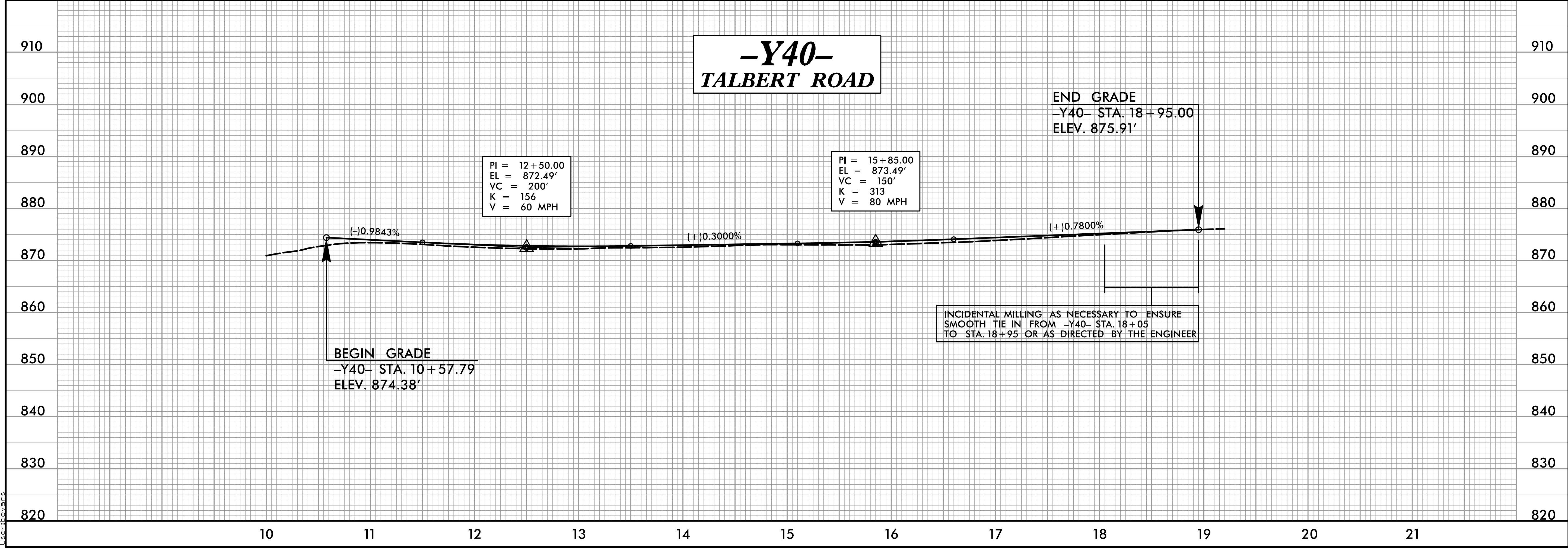
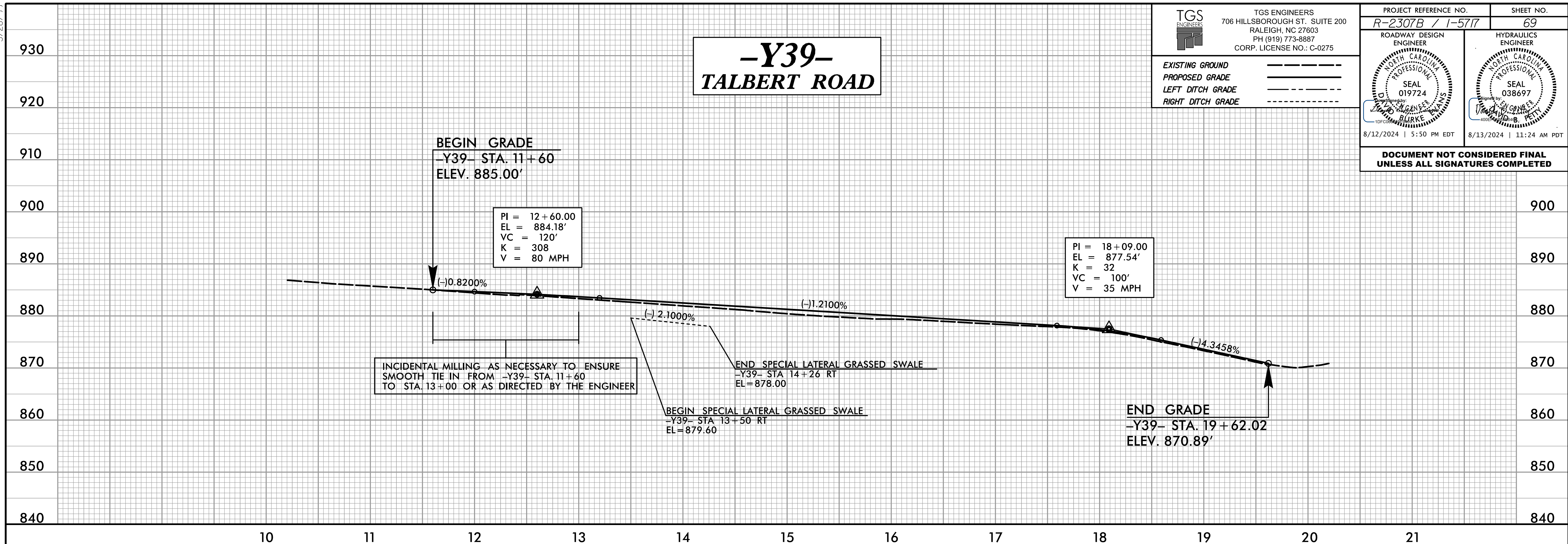
PROPOSED GRADE

LEFT DITCH GRADE

RIGHT DITCH GRADE

PROJECT REFERENCE NO. R-2307B / I-5717	SHEET NO. 69
ROADWAY DESIGN ENGINEER DIM BURKE SEAL 019724 8/12/2024 5:50 PM EDT	HYDRAULICS ENGINEER DIM BURKE SEAL 038697 8/13/2024 11:24 AM PDT

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8/12/2024
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User: jreynolds

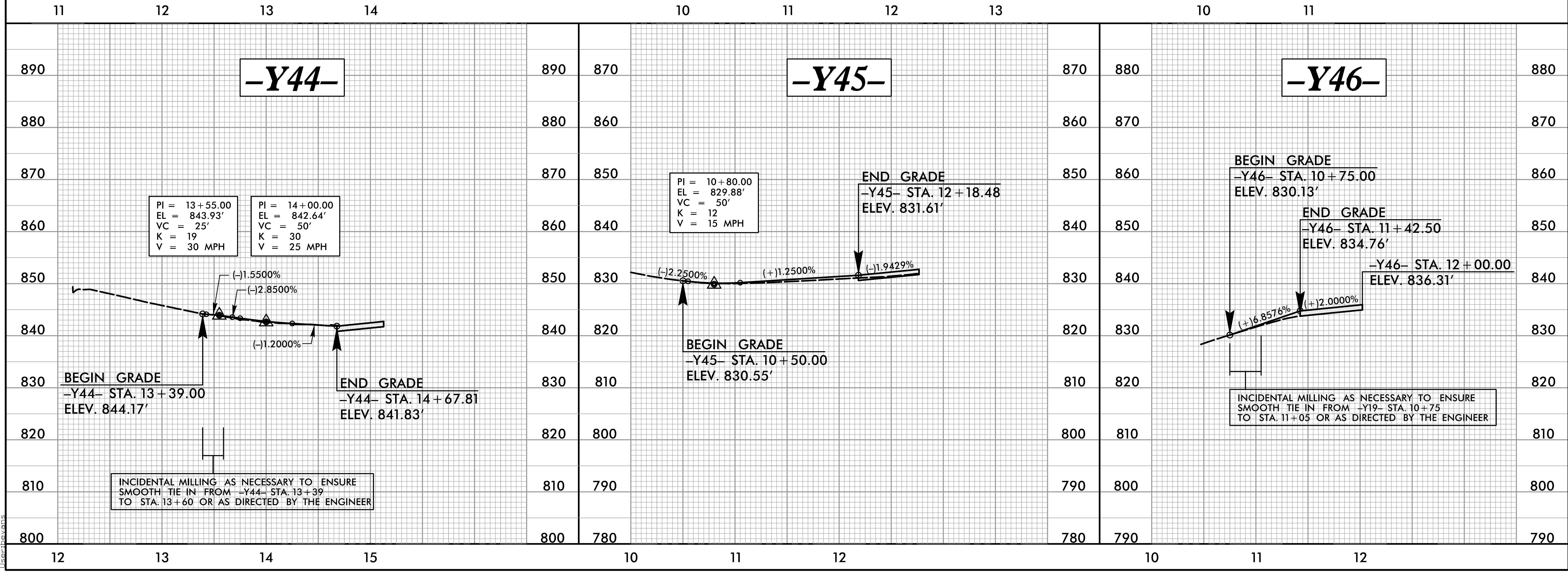
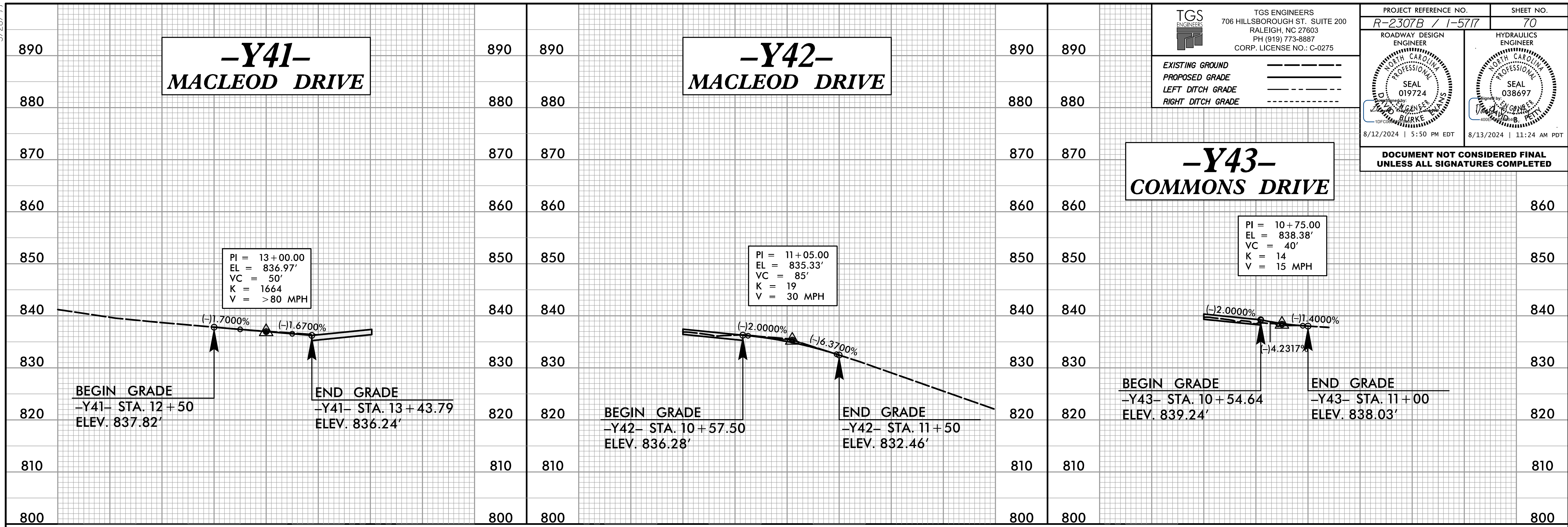
5/28/24

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 706 HILLSBOROUGH ST., SUITE 200
 RALEIGH, NC 27603
 PH (919) 773-8887
 CORP. LICENSE NO.: C-0275

EXISTING GROUND _____
 PROPOSED GRADE _____
 LEFT DITCH GRADE _____
 RIGHT DITCH GRADE _____

PROJECT REFERENCE NO. R-2307B / I-5717	SHEET NO. 70
ROADWAY DESIGN ENGINEER DAVID BURKE SEAL 019724	HYDRAULICS ENGINEER DAVID BURKE SEAL 038697
8/12/2024 5:50 PM EDT	8/13/2024 11:24 AM PDT

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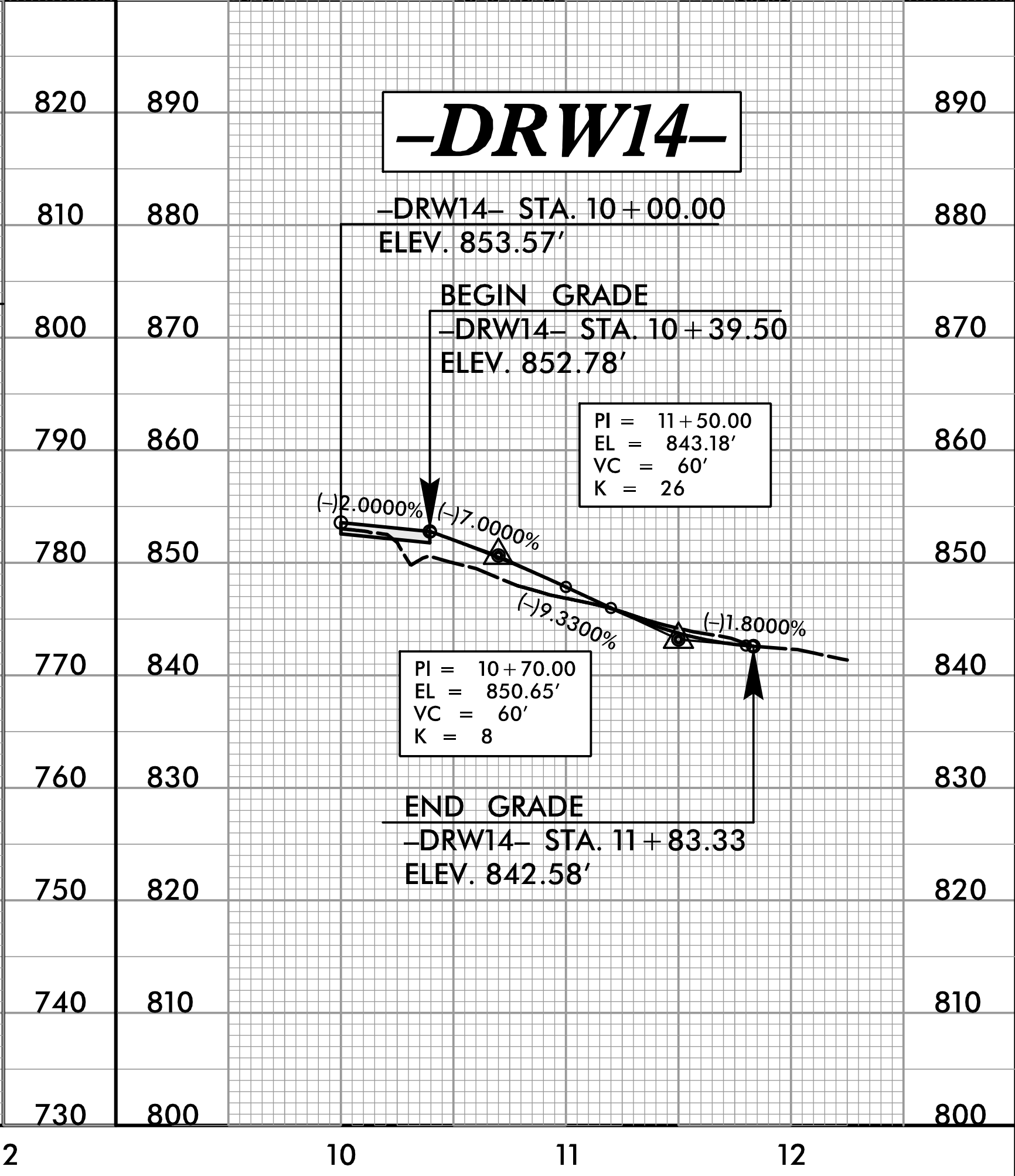
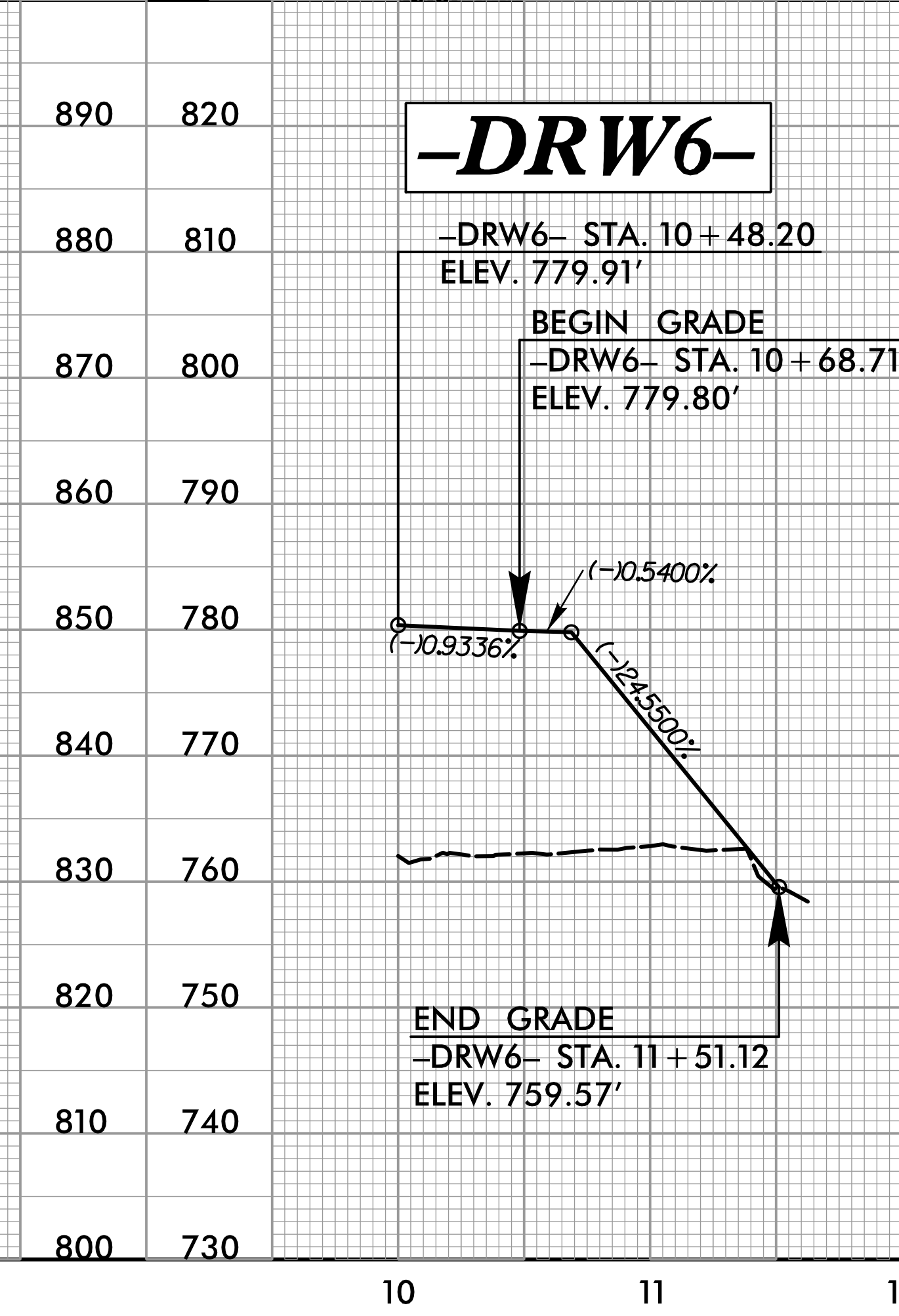
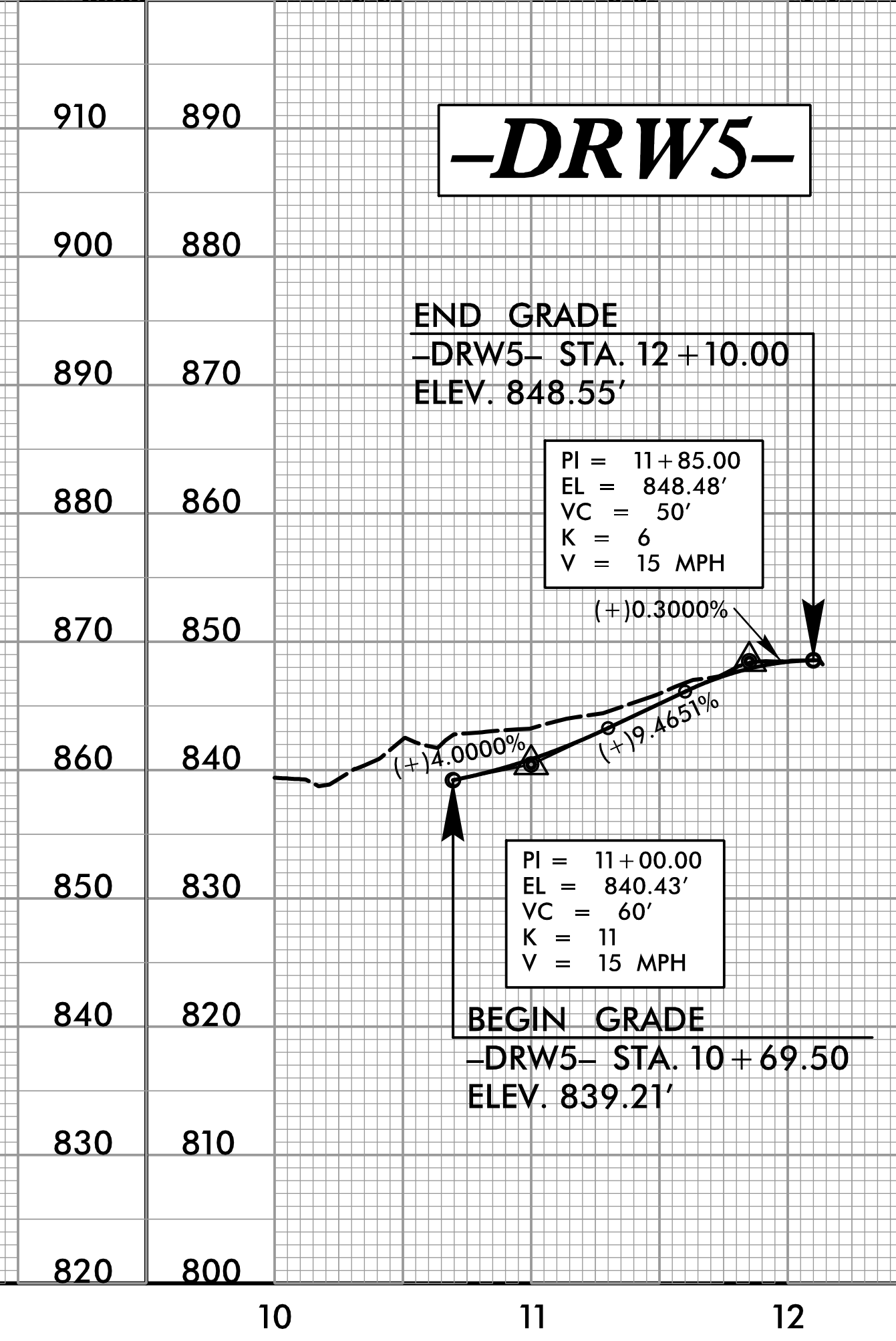
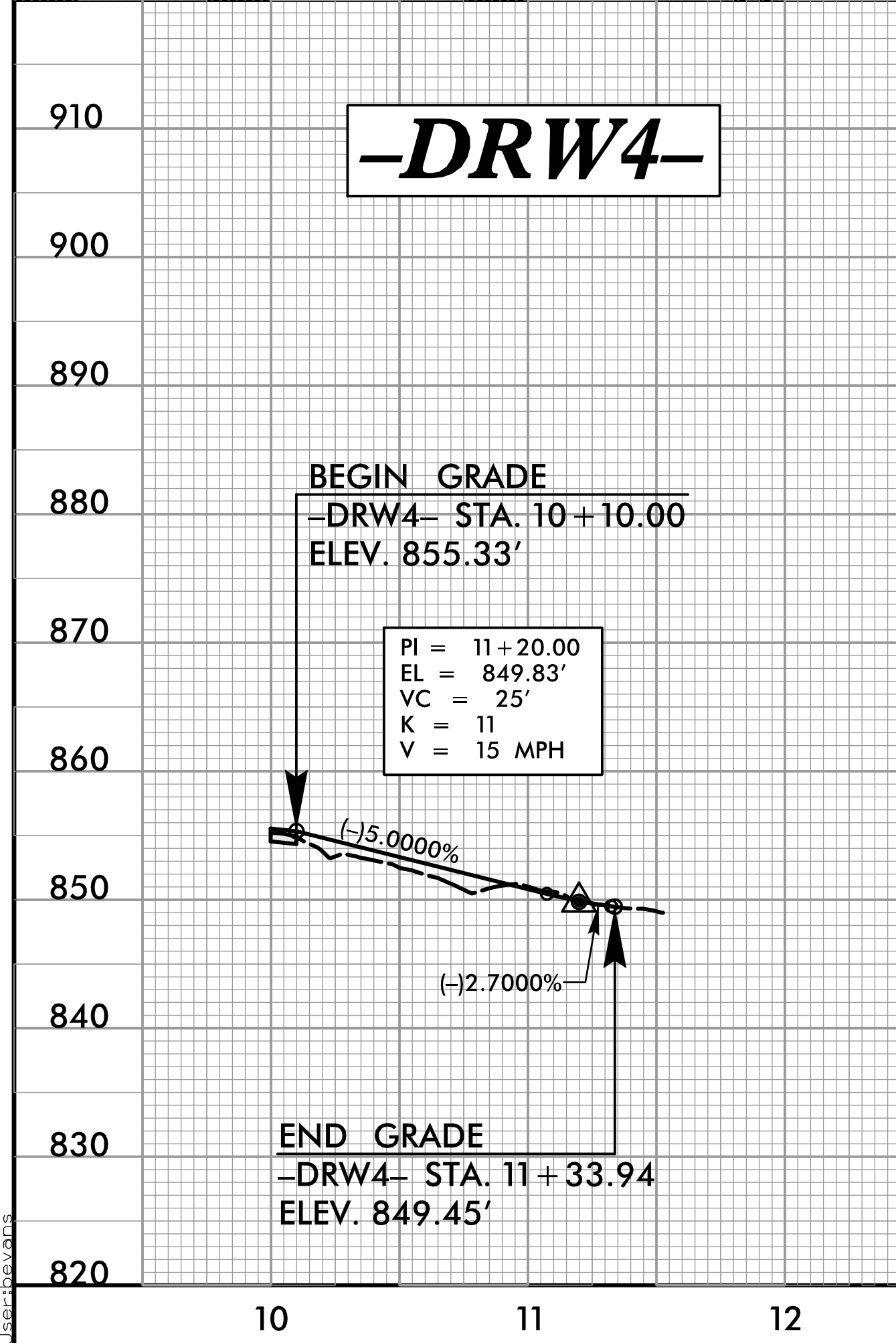
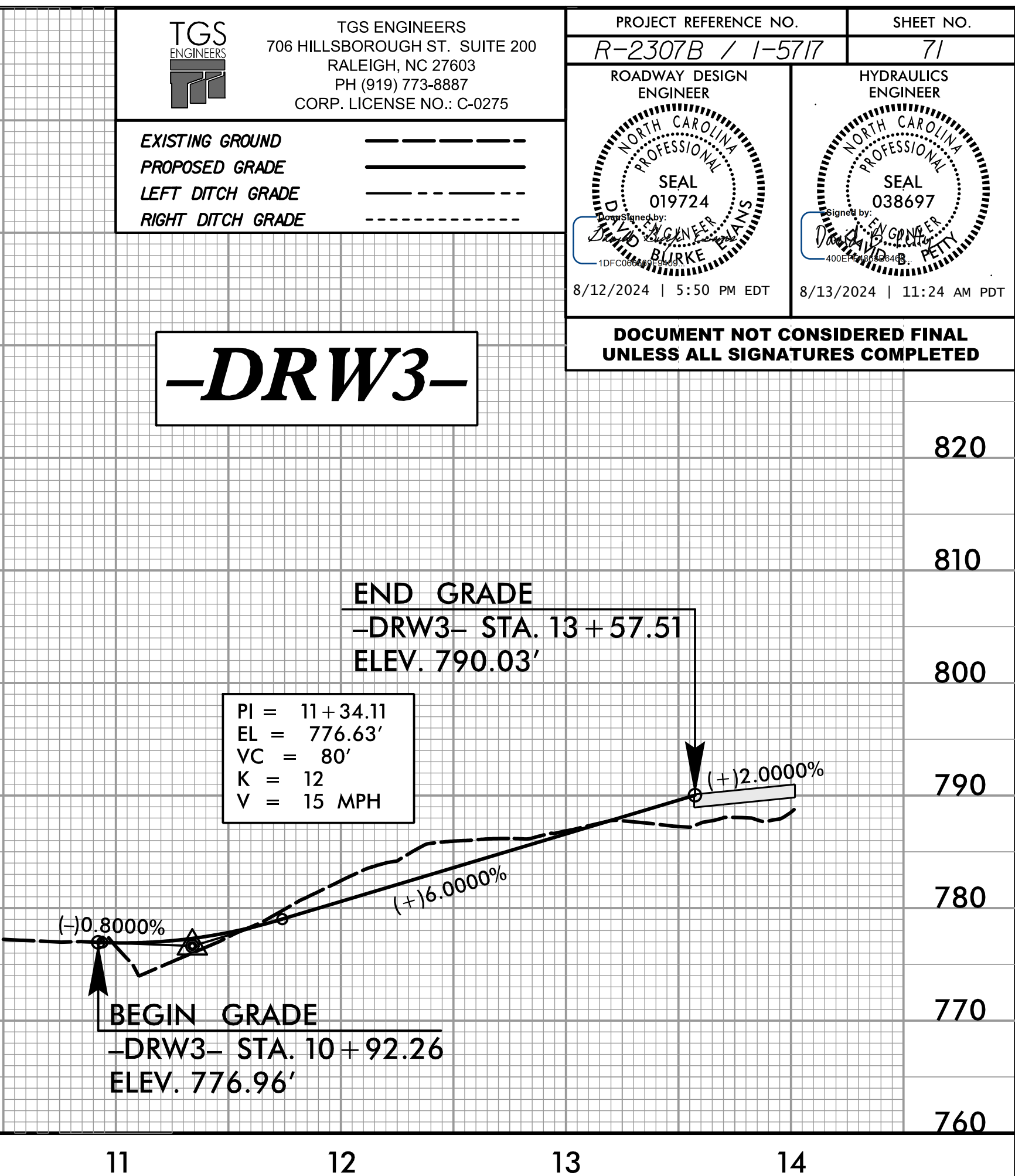
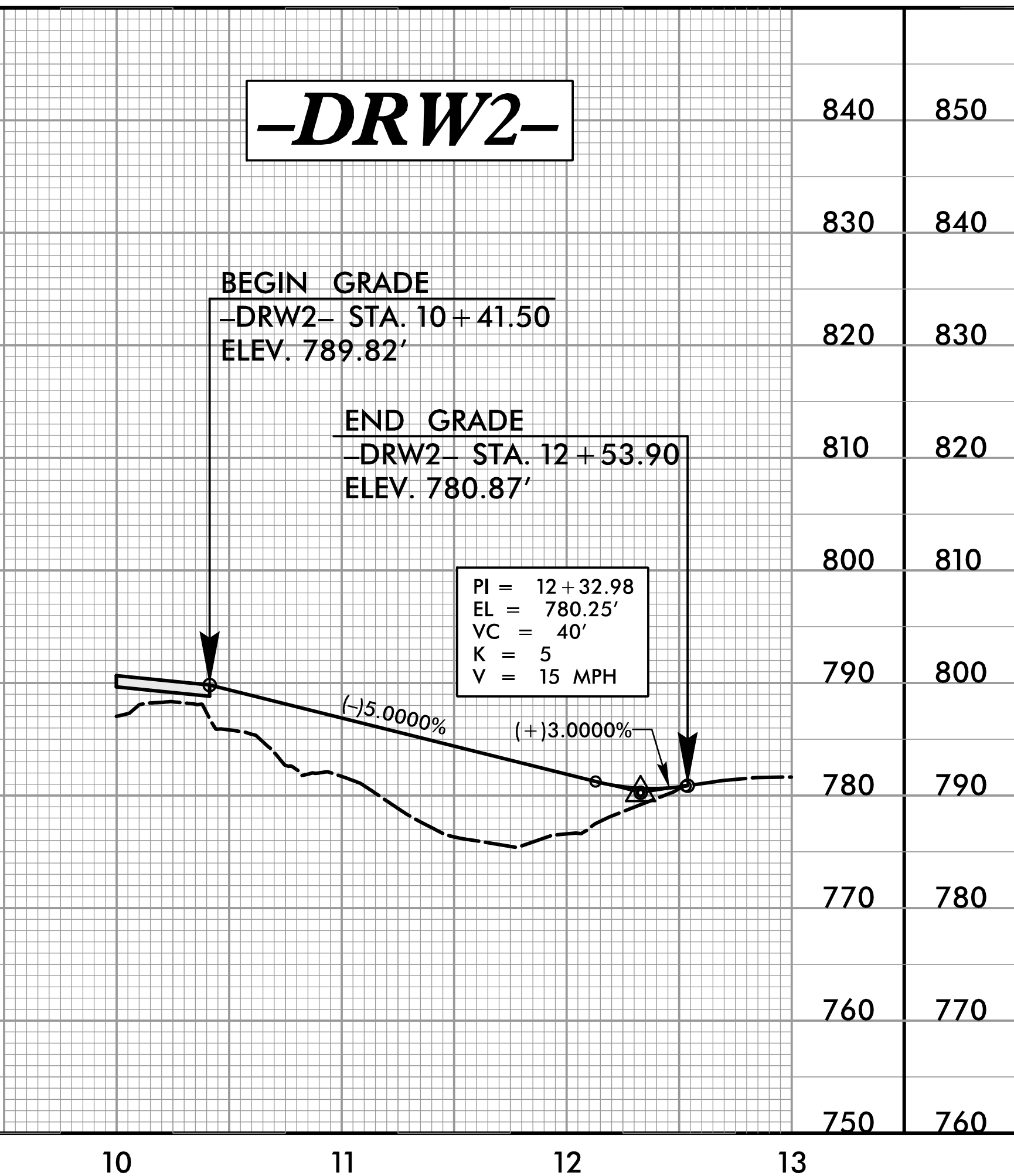
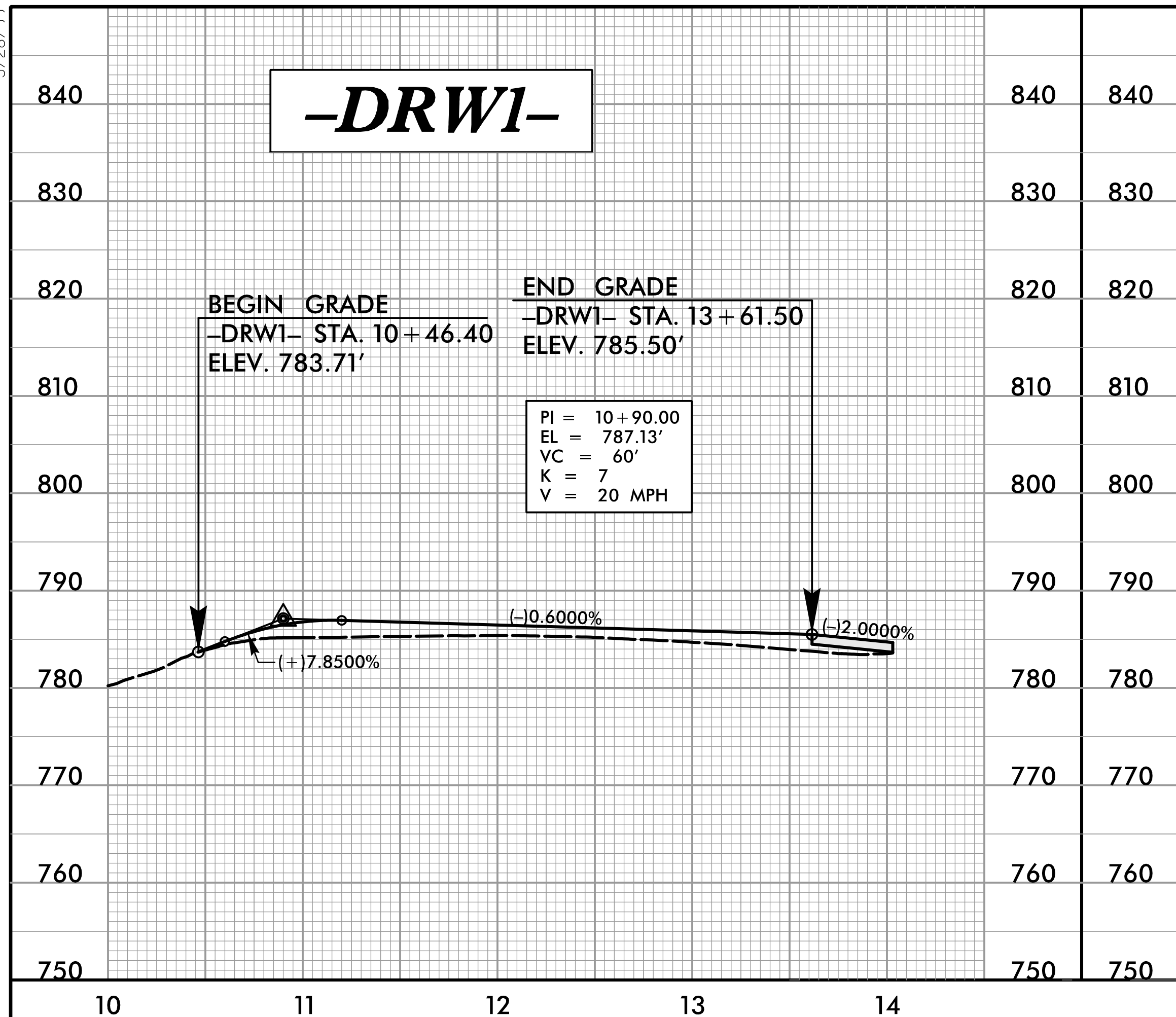
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 User: dbevans

5/28/24

TGS ENGINEERS
 706 HILLSBOROUGH ST. SUITE 200
 RALEIGH, NC 27603
 PH (919) 773-8887
 CORP. LICENSE NO.: C-0275

EXISTING GROUND _____
 PROPOSED GRADE _____
 LEFT DITCH GRADE _____
 RIGHT DITCH GRADE _____

PROJECT REFERENCE NO. R-2307B / I-5717	SHEET NO. 71
ROADWAY DESIGN ENGINEER D. BURKE SEAL 019724 8/12/2024 5:50 PM EDT	HYDRAULICS ENGINEER D. BURKE SEAL 038697 8/13/2024 11:24 AM PDT



8/12/2024
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User: jbevans

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RALEIGH, NC 27603
PH (919) 773-8887
CORP. LICENSE NO.: C-0275

PROJECT REFERENCE NO. **R-2307B / I-5717** SHEET NO. **72**

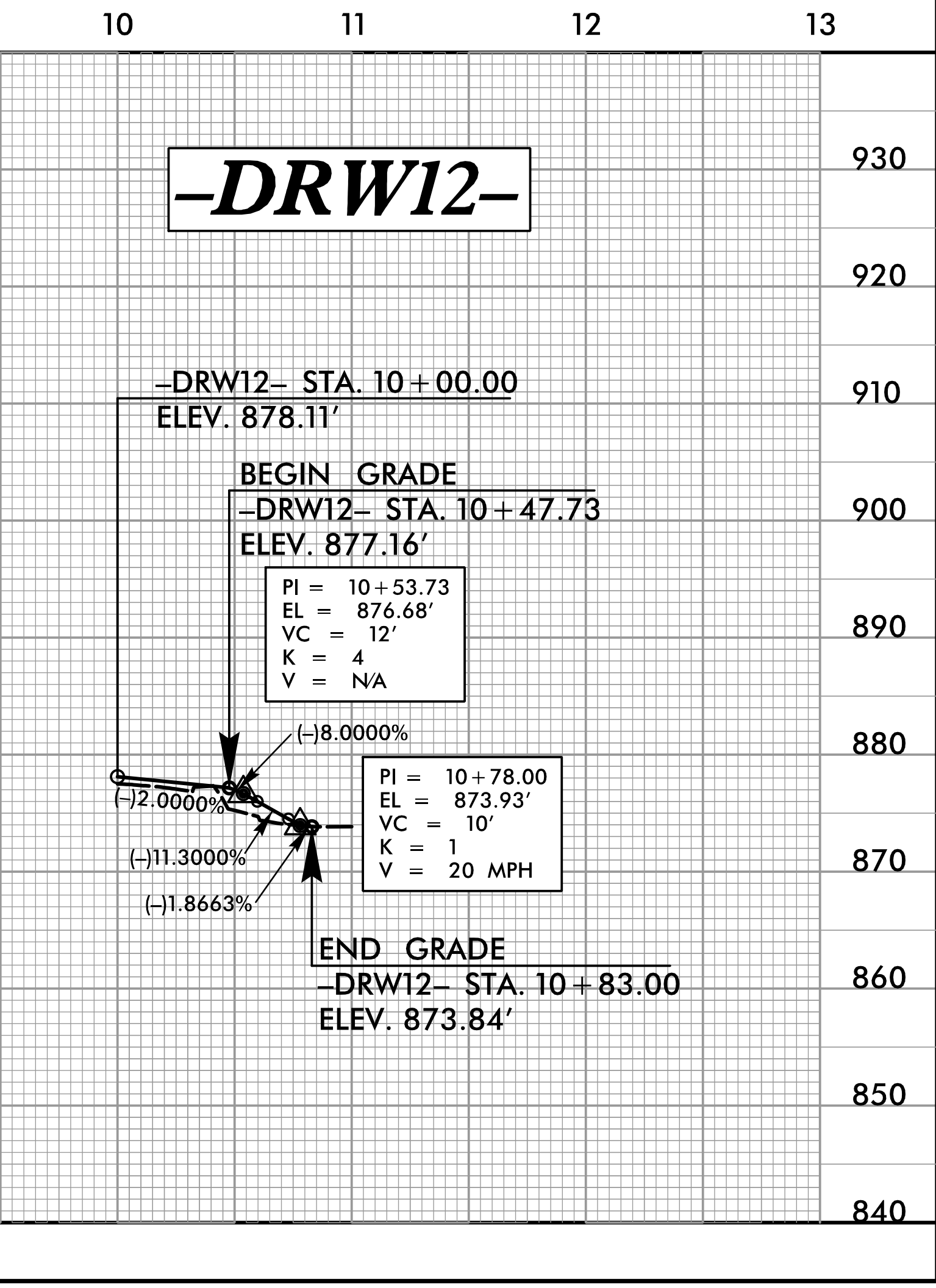
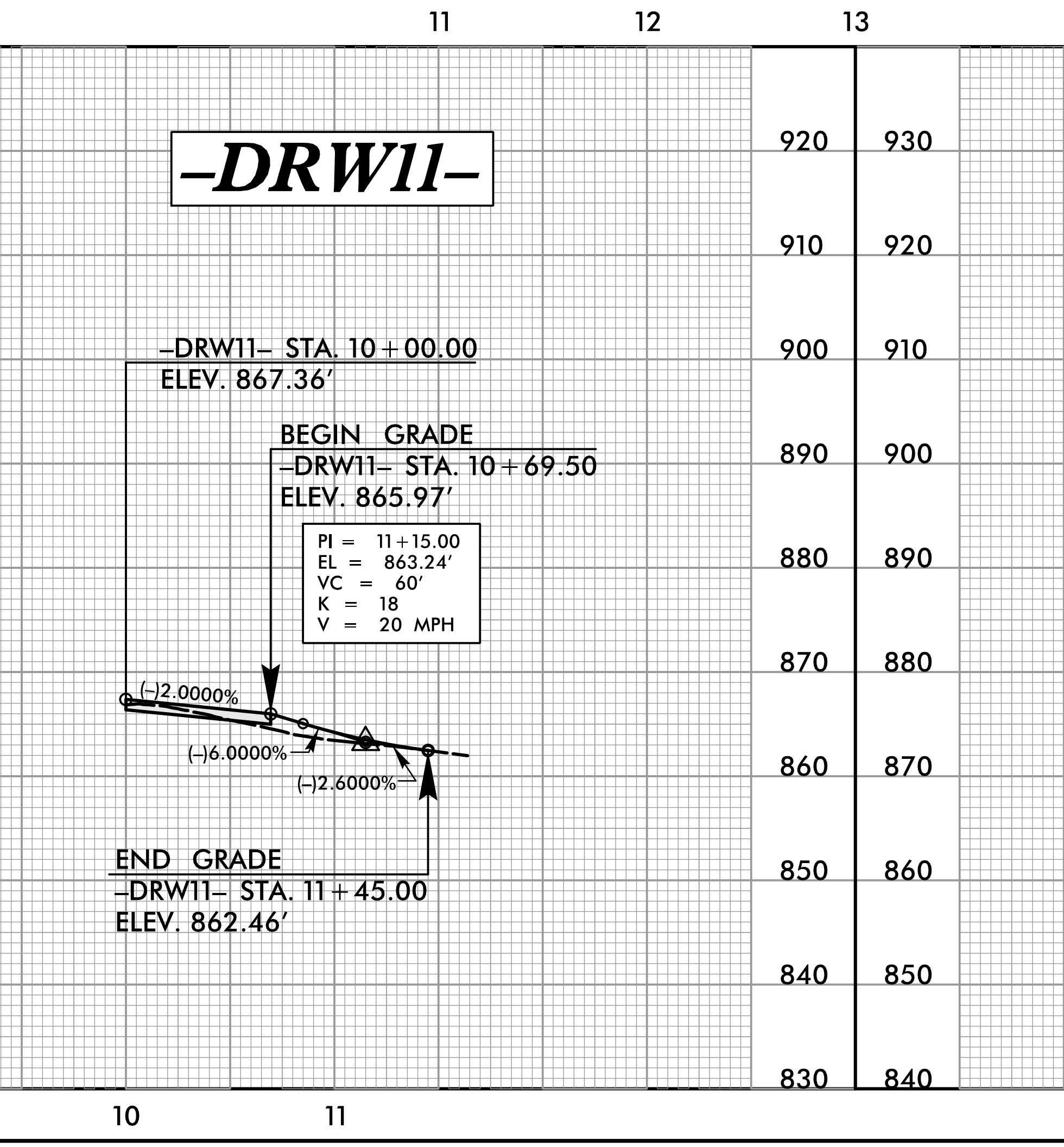
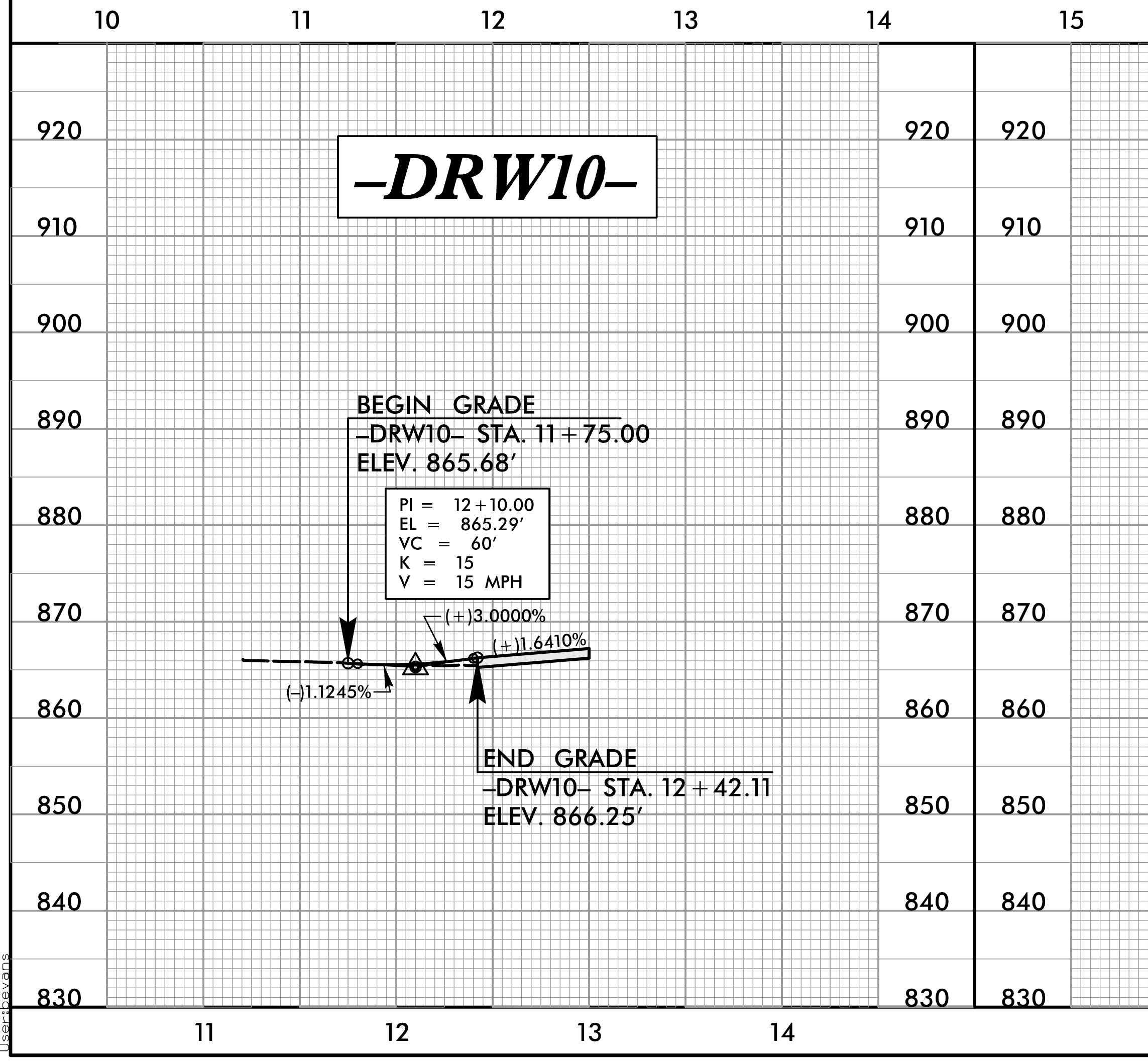
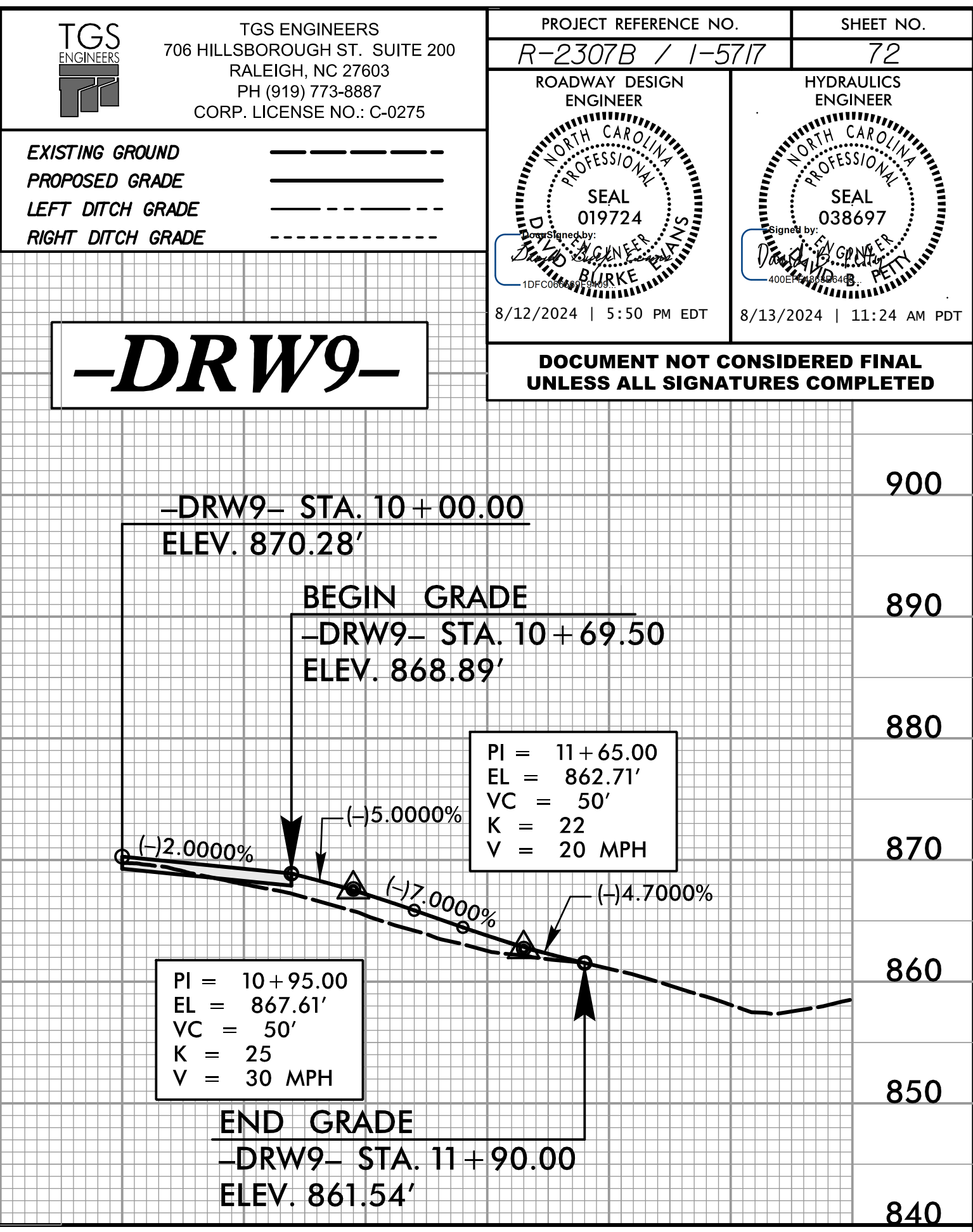
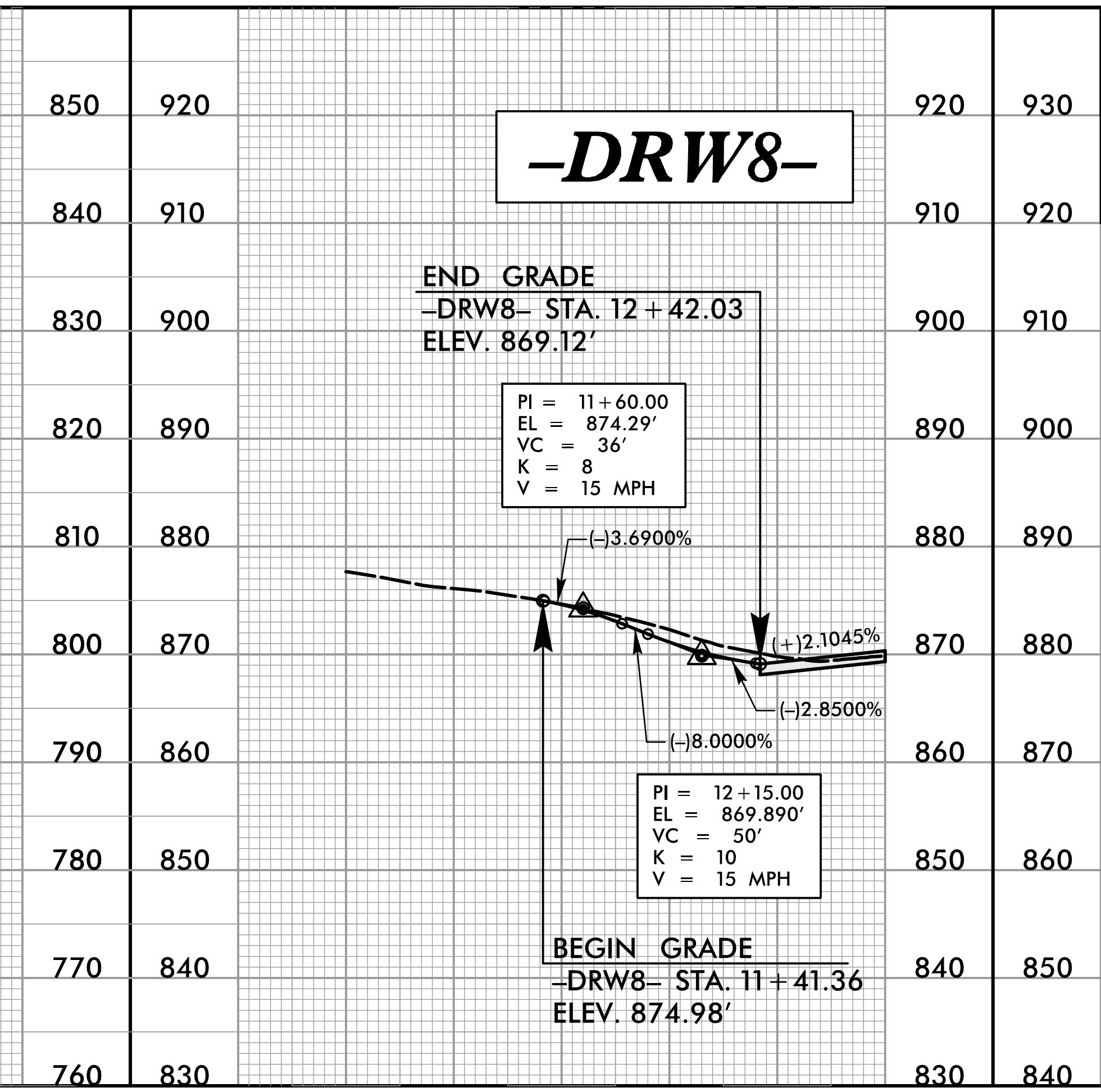
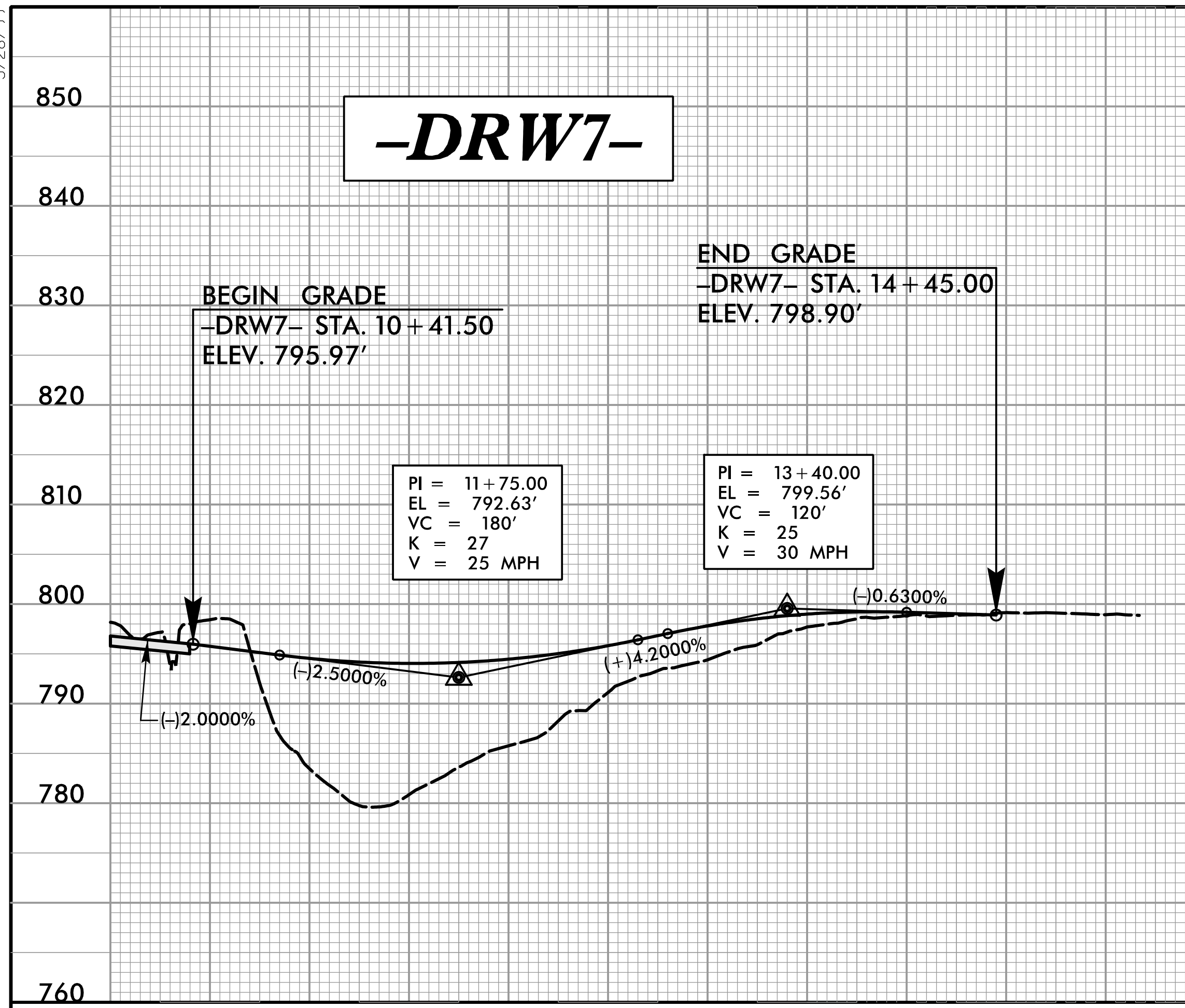
ROADWAY DESIGN ENGINEER
SEAL 019724
TIM BURKE

HYDRAULICS ENGINEER
SEAL 038697
TIM BURKE

8/12/2024 | 5:50 PM EDT | 8/13/2024 | 11:24 AM PDT

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EXISTING GROUND _____
PROPOSED GRADE _____
LEFT DITCH GRADE _____
RIGHT DITCH GRADE _____



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User: jbevans

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TGS ENGINEERS
 706 HILLSBOROUGH ST. SUITE 200
 RALEIGH, NC 27603
 PH (919) 773-8887
 CORP. LICENSE NO.: C-0275

EXISTING GROUND

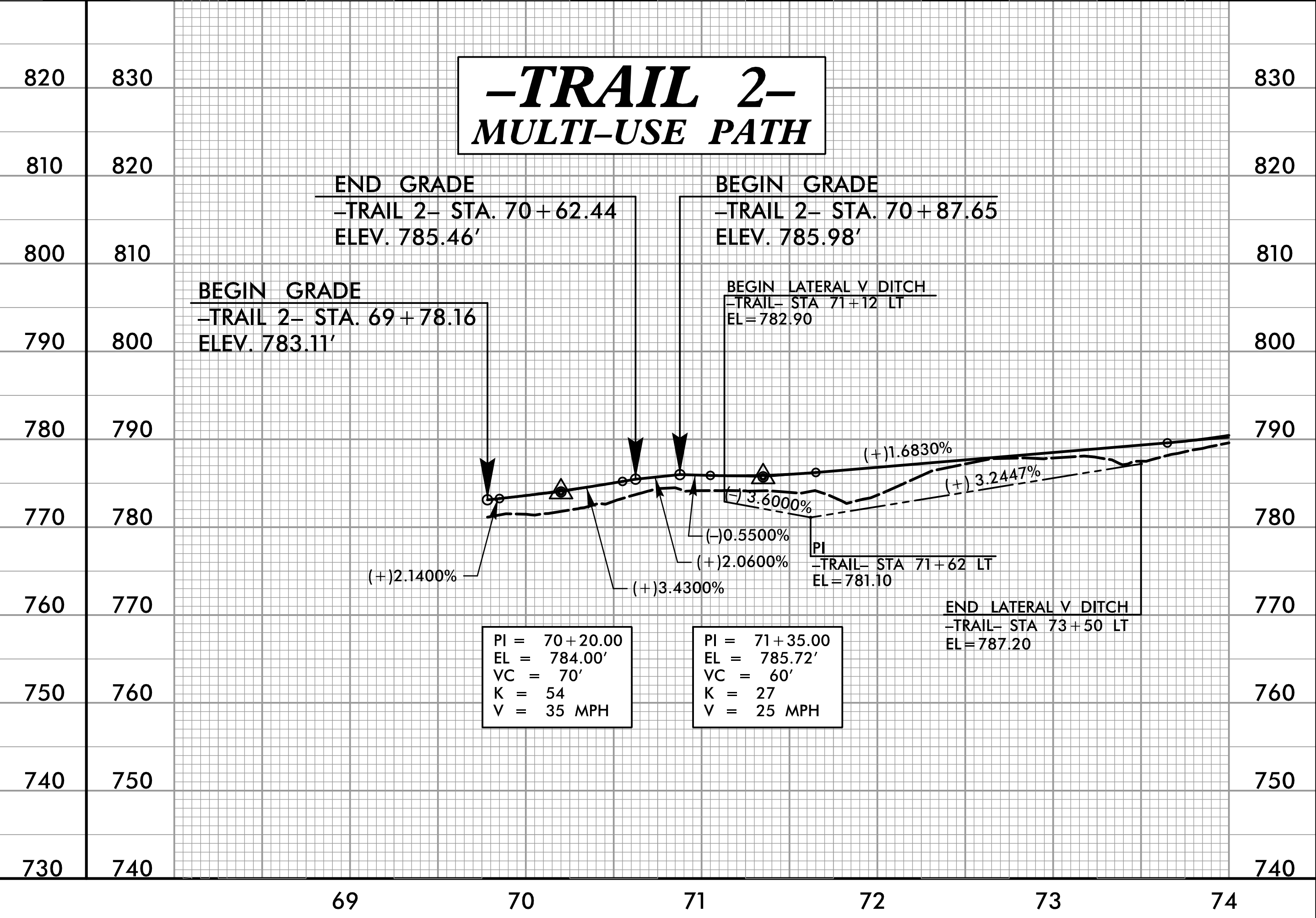
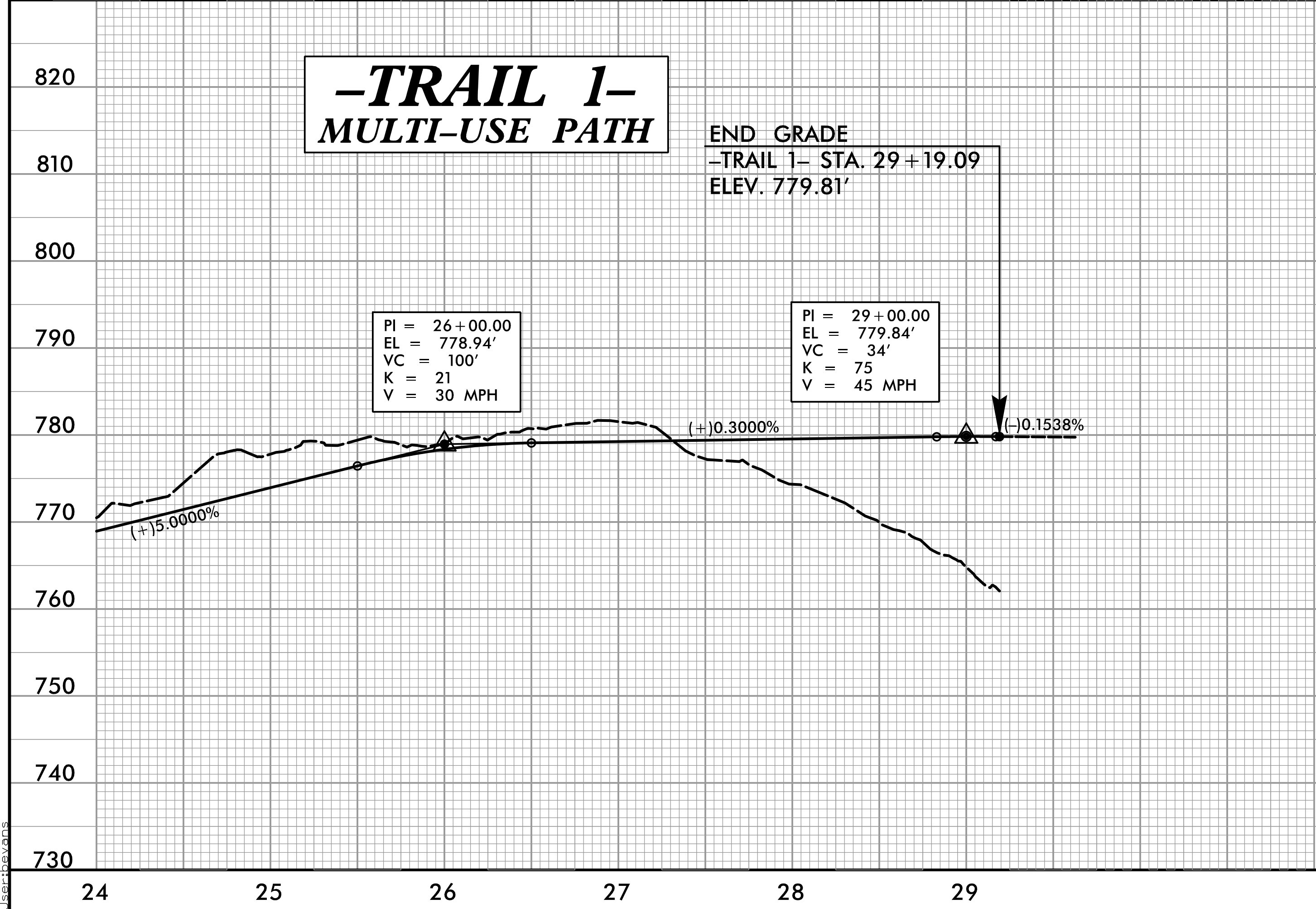
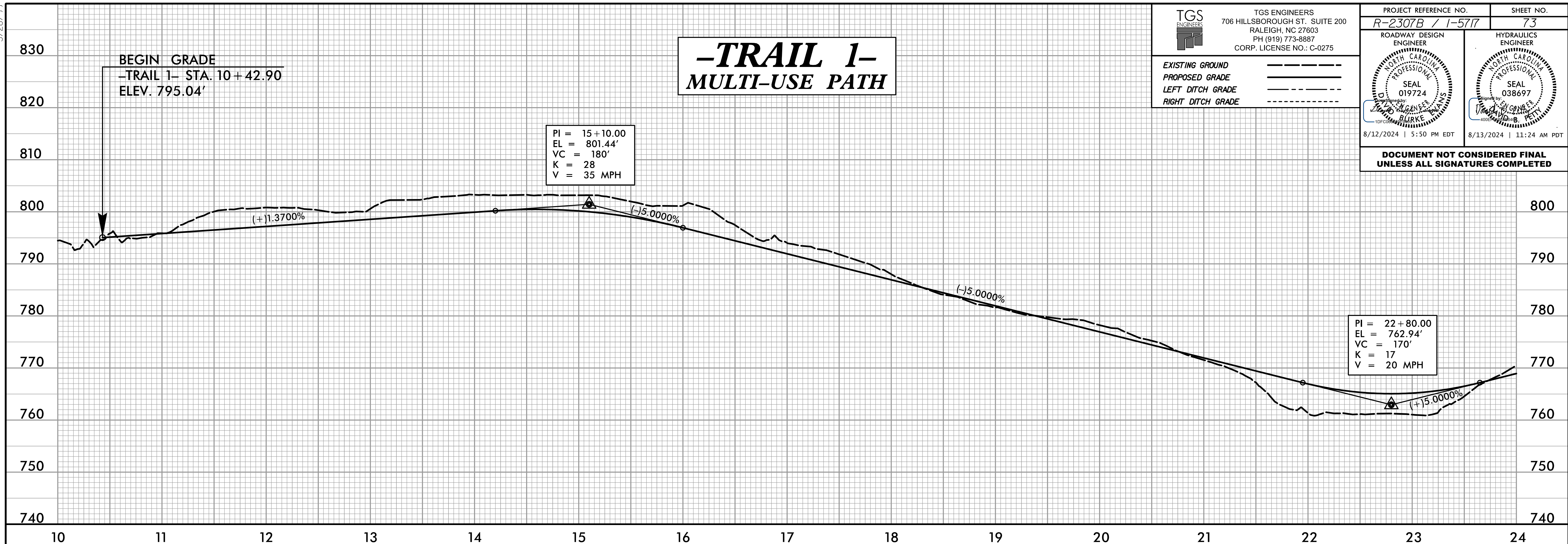
PROPOSED GRADE

LEFT DITCH GRADE

RIGHT DITCH GRADE

PROJECT REFERENCE NO. R-2307B / I-5717	SHEET NO. 73
ROADWAY DESIGN ENGINEER T. J. S. BURKE 8/12/2024 5:50 PM EDT	HYDRAULICS ENGINEER T. J. S. BURKE 8/13/2024 11:24 AM PDT





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 jacob

5/28/24

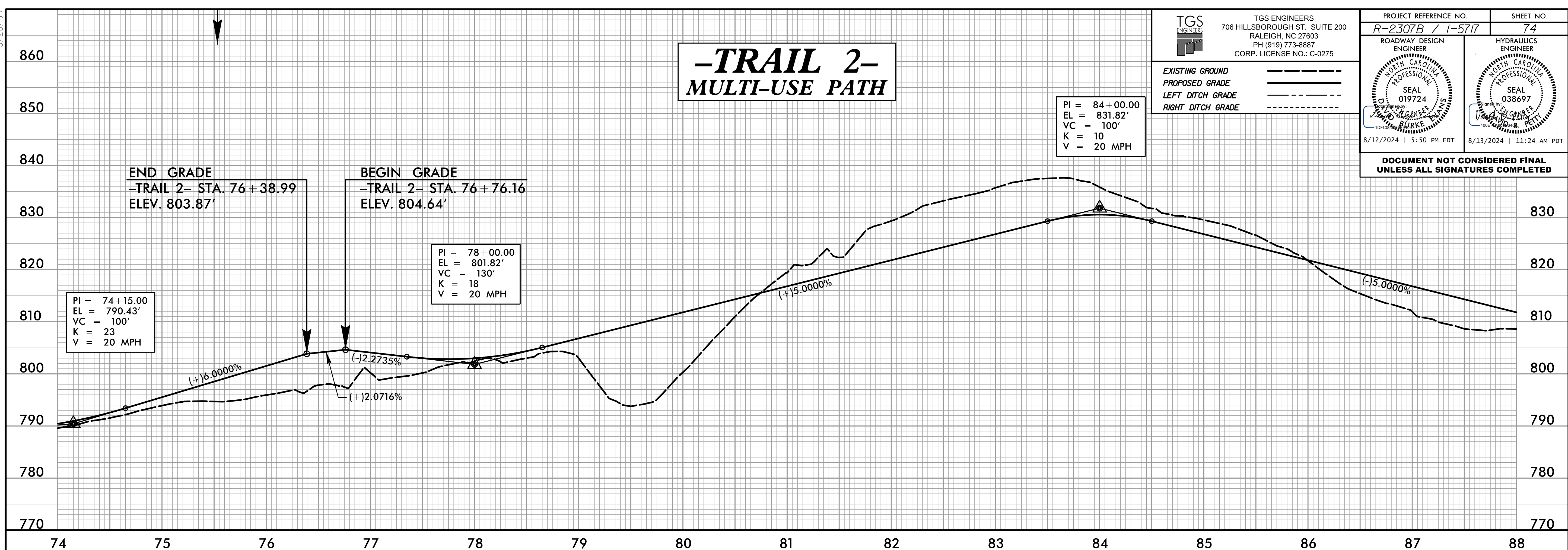
TGS ENGINEERS
 706 HILLSBOROUGH ST. SUITE 200
 RALEIGH, NC 27603
 PH (919) 773-8887
 CORP. LICENSE NO.: C-0275

EXISTING GROUND 
 PROPOSED GRADE 
 LEFT DITCH GRADE 
 RIGHT DITCH GRADE 

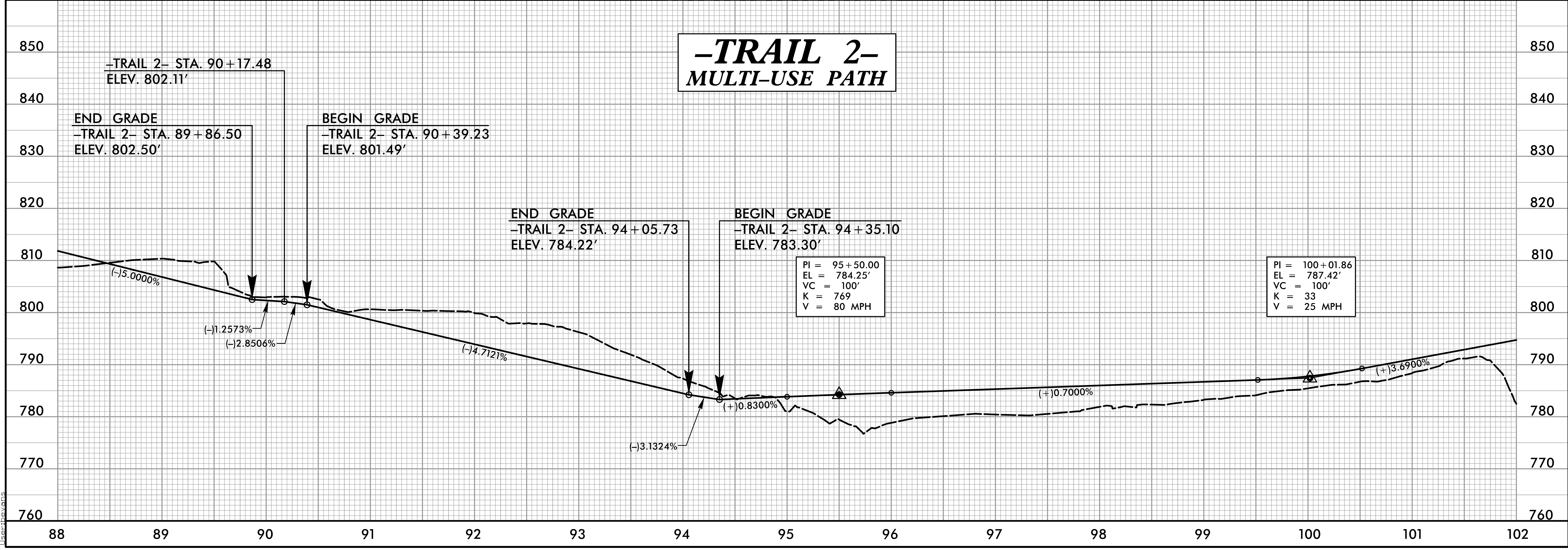
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ROADWAY DESIGN ENGINEER SEAL 019724 <i>David M. Burke</i>	HYDRAULICS ENGINEER SEAL 038697 <i>David M. Burke</i>
8/12/2024 5:50 PM EDT	8/13/2024 11:24 AM PDT

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-TRAIL 2- MULTI-USE PATH



-TRAIL 2- MULTI-USE PATH



8/12/2024
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User: dmvans

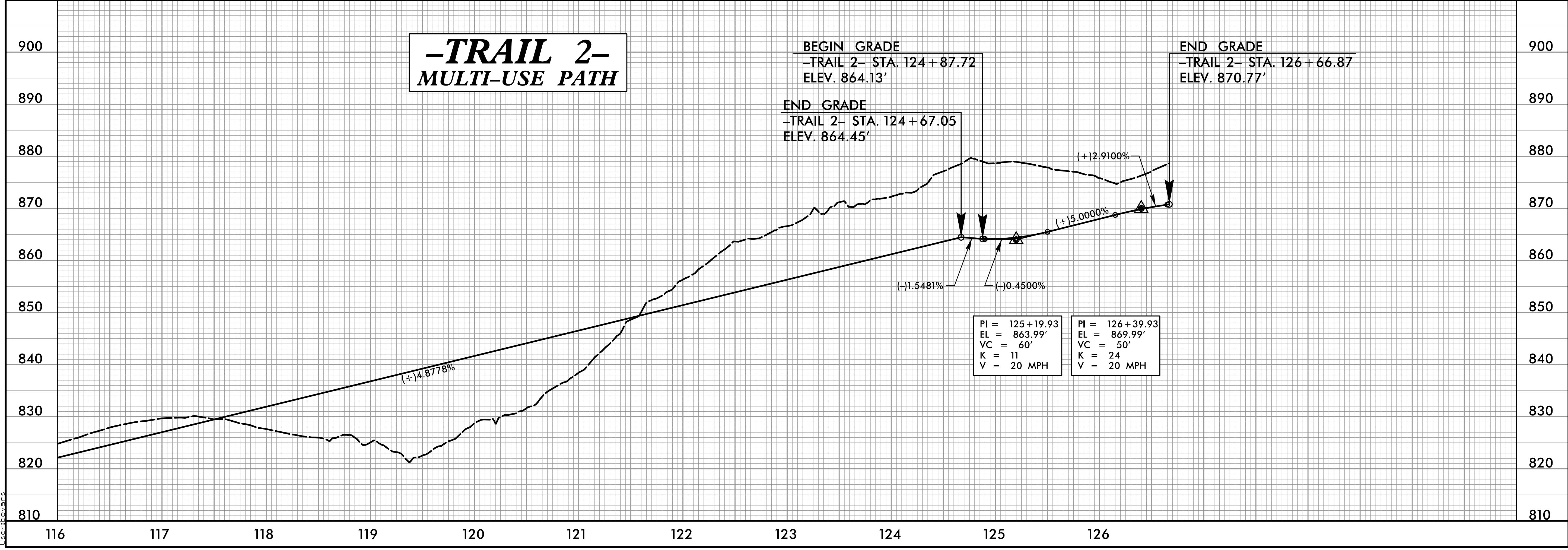
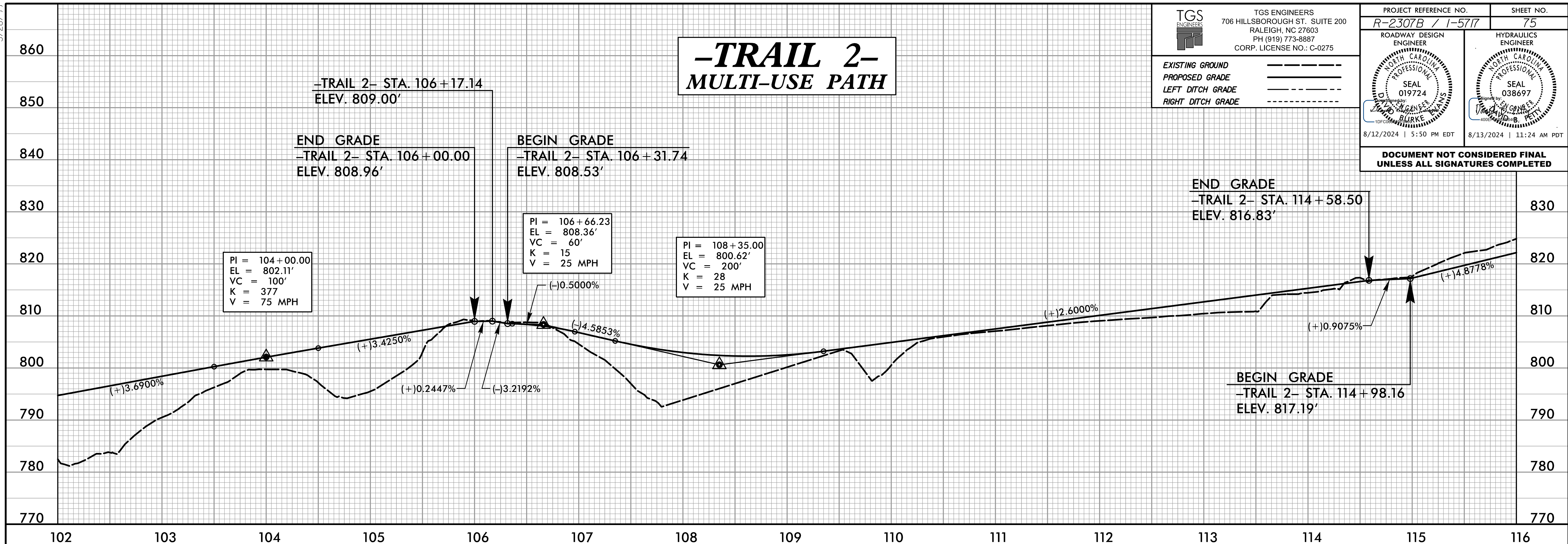
5/28/24

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 706 HILLSBOROUGH ST. SUITE 200
 RALEIGH, NC 27603
 PH (919) 773-8887
 CORP. LICENSE NO.: C-0275

EXISTING GROUND _____
 PROPOSED GRADE _____
 LEFT DITCH GRADE _____
 RIGHT DITCH GRADE _____

PROJECT REFERENCE NO. R-2307B / 1-5717	SHEET NO. 75
ROADWAY DESIGN ENGINEER SEAL 019724 <i>Timothy Burke</i>	HYDRAULICS ENGINEER SEAL 038697 <i>Timothy Burke</i>
8/12/2024 5:50 PM EDT	8/13/2024 11:24 AM PDT

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