

CONTRACT: C204225 TIP PROJECT: U-5713 /R-5777A&B

See Sheet 1A For Index of Sheets
See Sheet 1B For Standard Symbology Sheet

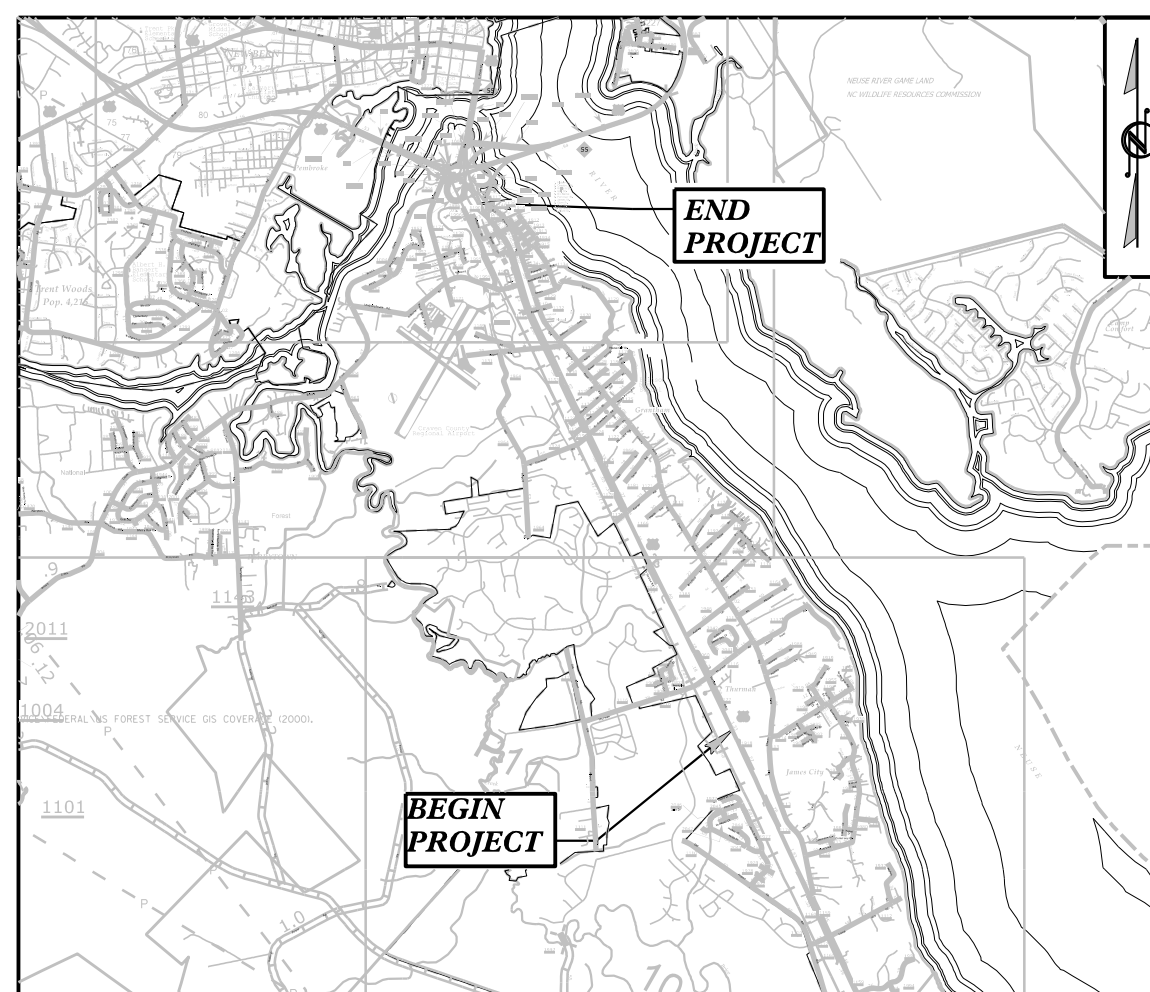
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CRAVEN COUNTY

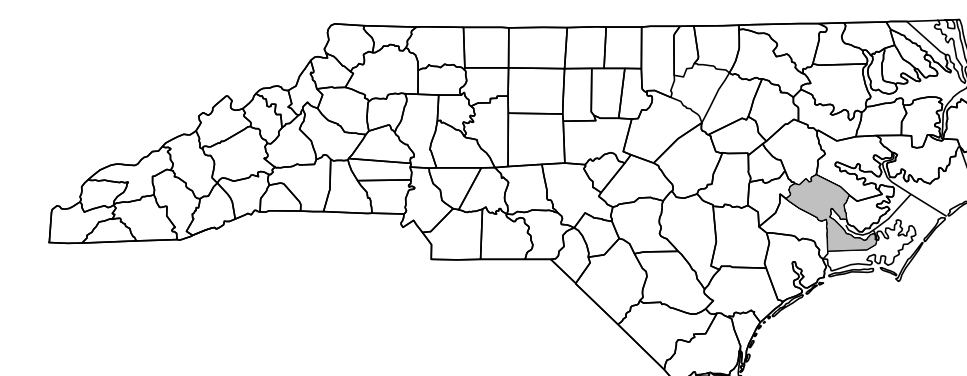
LOCATION: U.S. 70 FROM EASTERN APPROACH OF THE NEUSE RIVER BRIDGE TO APPROXIMATELY ONE (1) MILE EAST OF S.R. 1116 (THURMAN ROAD)

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

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5713/R-5777A&B	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
50111.3.1	N/A	DESIGN-BUILD	



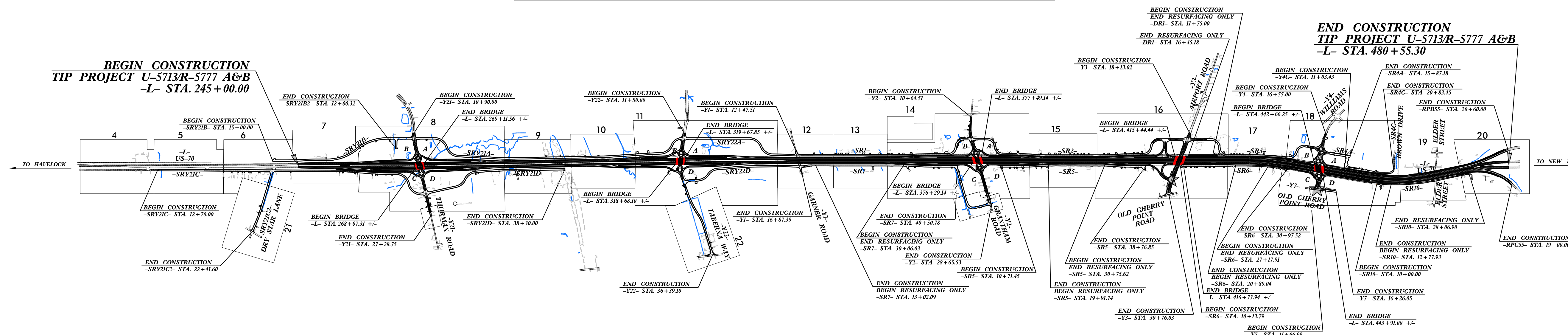
VICINITY MAP N.T.S.



PRELIMINARY ROADWAY PLANS SUBMITTAL

SUBMITTAL #J-002R1

DRAFT 4B
DRAINAGE REDLINE PLANS - 1-02-20

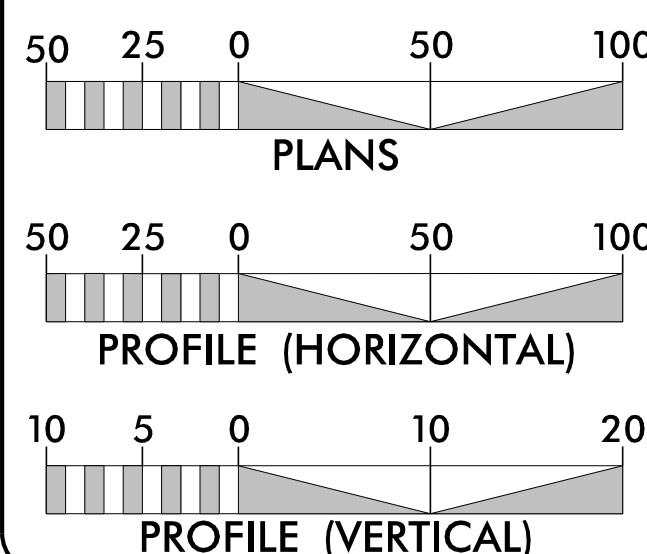


THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARY OF THE CITY OF NEW BERN
CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III.
THIS IS A CONTROLLED ACCESS PROJECT WITH ACCESS BEING LIMITED TO INTERCHANGES.

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

★ PROPOSED TRAFFIC SIGNAL

GRAPHIC SCALES



DESIGN DATA

ADT 2015 = 45,200
ADT 2040 = 62,000
K = 8%
D = 50%
T = 7%*
V = 60 MPH
* (TTST = 2% + DUAL 5%)
FUNC. CLASSIFICATION = INTERSTATE STATEWIDE TIER

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT U-5713 /R-5777A&B = 4.350 MILES
LENGTH STRUCTURE TIP PROJECT U-5713 /R-5777A&B = 0.111 MILES *
TOTAL LENGTH OF TIP PROJECT U-5713 /R-5777A&B = 4.461 MILES

NCDOT CONTACT: CADMUS CAPEHART, PE
DIVISION 2 - DIVISION CONSTRUCTION ENGINEER

PLANS PREPARED FOR THE NCDOT BY:



2018 STANDARD SPECIFICATIONS
RIGHT OF WAY DATE:
SEPTEMBER 17, 2019

LETTING DATE:
SEPTEMBER 17, 2019

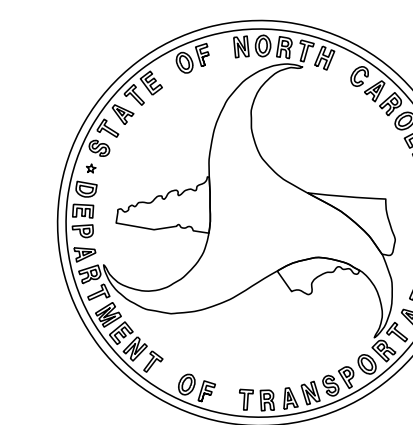
J. ADAM FREEMAN, PE
PROJECT ENGINEER


NARONG PHAL, PE
PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

SIGNATURE: _____ P.E.
ROADWAY DESIGN ENGINEER

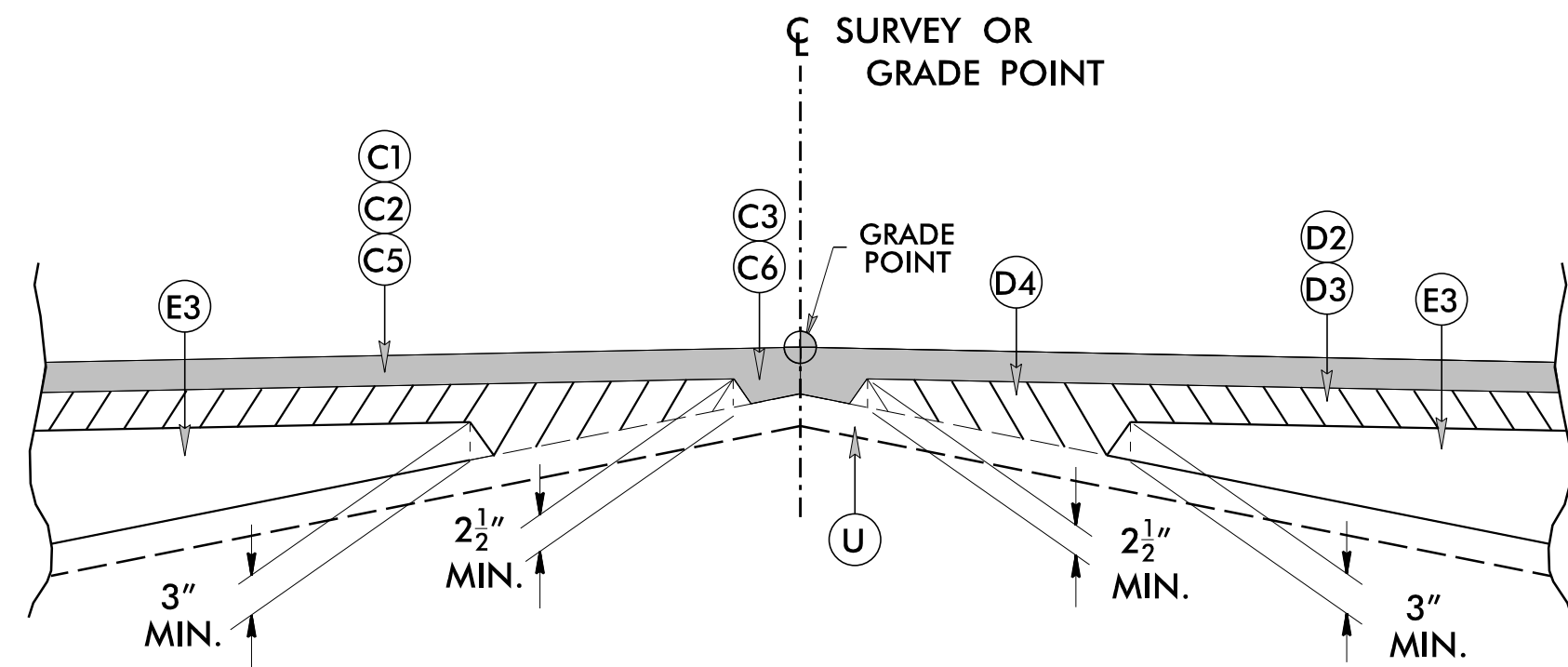
SIGNATURE: _____ P.E.



PROJECT REFERENCE NO. U-5713/R-5777 A&B	SHEET NO. 2A-1
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

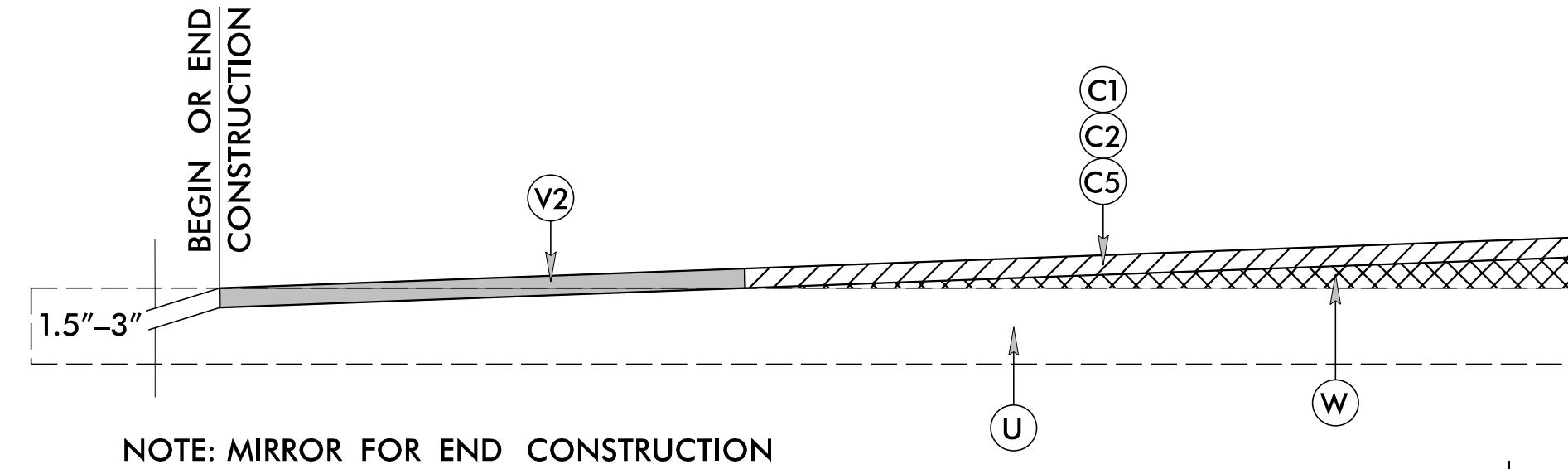
P A V E M E N T S C H E D U L E			
A1	PROP. 6" JOINTED CONCRETE REINFORCED WITH WOVEN WIRE MESH	J3	PROPOSED VARIABLE DEPTH AGGREGATE BASE COURSE
A2	PROP. 7" JOINTED CONCRETE TRUCK APRON REINFORCED WITH WIRE MESH	P	PRIME COAT AT A RATE OF 0.35 GAL PER SQ. YD.
C1	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE TYPE S9.5B, AT AN AVERAGE RATE OF 220 LBS. PER SQ.YD.	R1	1'-6" CURB & GUTTER
C2	PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ.YD. IN EACH OF TWO LAYERS.	R2	2'-6" CURB & GUTTER
C3	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 LESS THAN 1" OR GREATER THAN 1.5" IN DEPTH.	R3	5" MONOLITHIC CONCRETE ISLAND (KEYED-IN), RED COLORED AND STAMPED WITH A BRICK PATTERN
C4	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ.YD.	R4	EXPRESSWAY GUTTER
C5	PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ.YD. IN EACH OF TWO LAYERS.	R5	REINFORCED SINGLE FACED CONCRETE BARRIER
C6	PROP. VAR. DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 112 LBS. PER SQ. YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT LESS THAN 1.5" OR GREATER THAN 2" IN DEPTH.	R6	REINFORCED SINGLE FACED CONCRETE BARRIER WITH MOMENT SLAB
C7	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ.YD.	R7	REINFORCED TYPE T CONCRETE BARRIER (T, T1, T2)
D1	PROP. APPROX. 2.5" ASPHALT CONCRETE INTERMEDIATE COURSE TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ.YD.	S	4" CONCRETE SIDEWALK
D2	PROP. APPROX. 3" ASPHALT CONCRETE INTERMEDIATE COURSE TYPE I19.0C, AT AN AVERAGE RATE OF 342 LBS. PER SQ.YD.	T	EARTH MATERIAL
D3	PROP. APPROX. 4" ASPHALT CONCRETE INTERMEDIATE COURSE TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ.YD.	U	EXISTING PAVEMENT
D4	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 2.5" IN DEPTH OR GREATER THAN 4" IN DEPTH.	V1	MILLING (2.5" IN DEPTH)
E1	PROP. APPROX. 4" ASPHALT CONCRETE BASE COURSE TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ.YD.	V2	MILLING (VARIES 1.5" TO 3.0" IN DEPTH)
E2	PROP. APPROX. 4.5" ASPHALT CONCRETE BASE COURSE TYPE B25.0C, AT AN AVERAGE RATE OF 513 LBS. PER SQ.YD.	V3	INCIDENTAL MILLING
E3	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 5.5" IN DEPTH.	W	VARIABLE DEPTH ASPHALT PAVEMENT (SEE WEDGING DETAIL SHEET 2A-2)
J1	PROPOSED 6" AGGREGATE BASE COURSE	Y	PROPOSED RUMBLE STRIPS
J2	PROPOSED 8" AGGREGATE BASE COURSE		

ALL PAVEMENT SLOPES 1:1 UNLESS NOTED OTHERWISE.



METHOD OF WEDGING DETAIL NO. 1

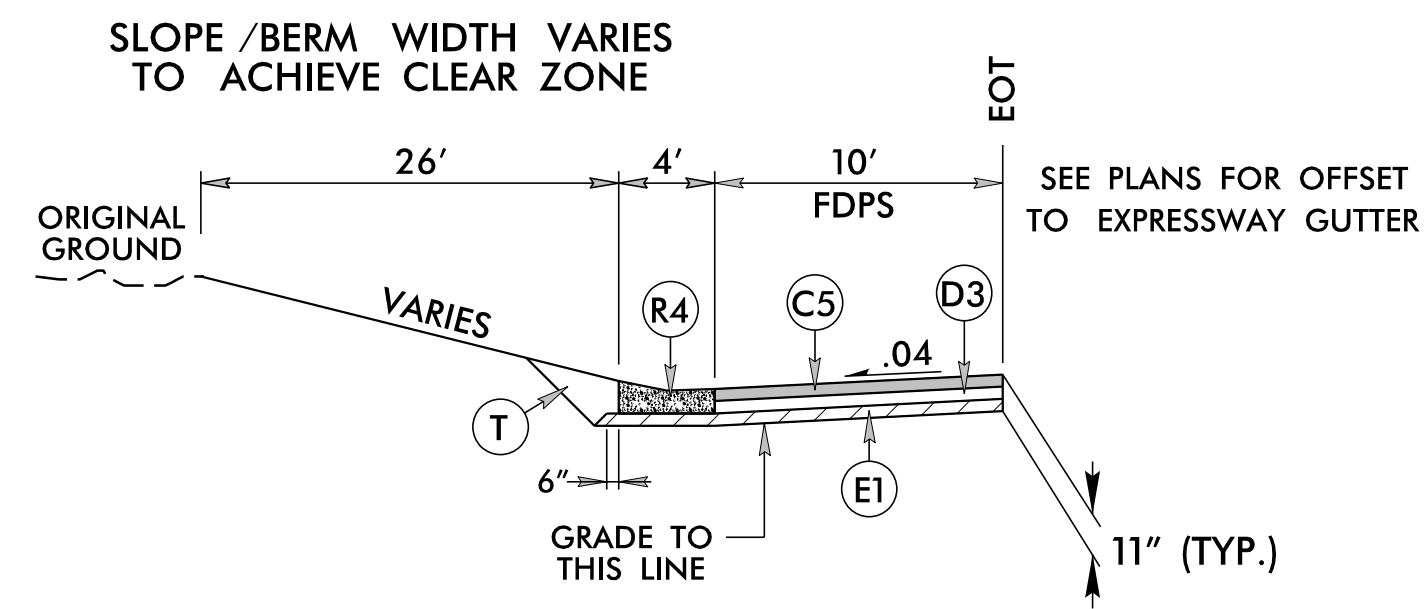
SEE PLANS FOR ALL WEDGING LOCATIONS



NOTE: MIRROR FOR END CONSTRUCTION

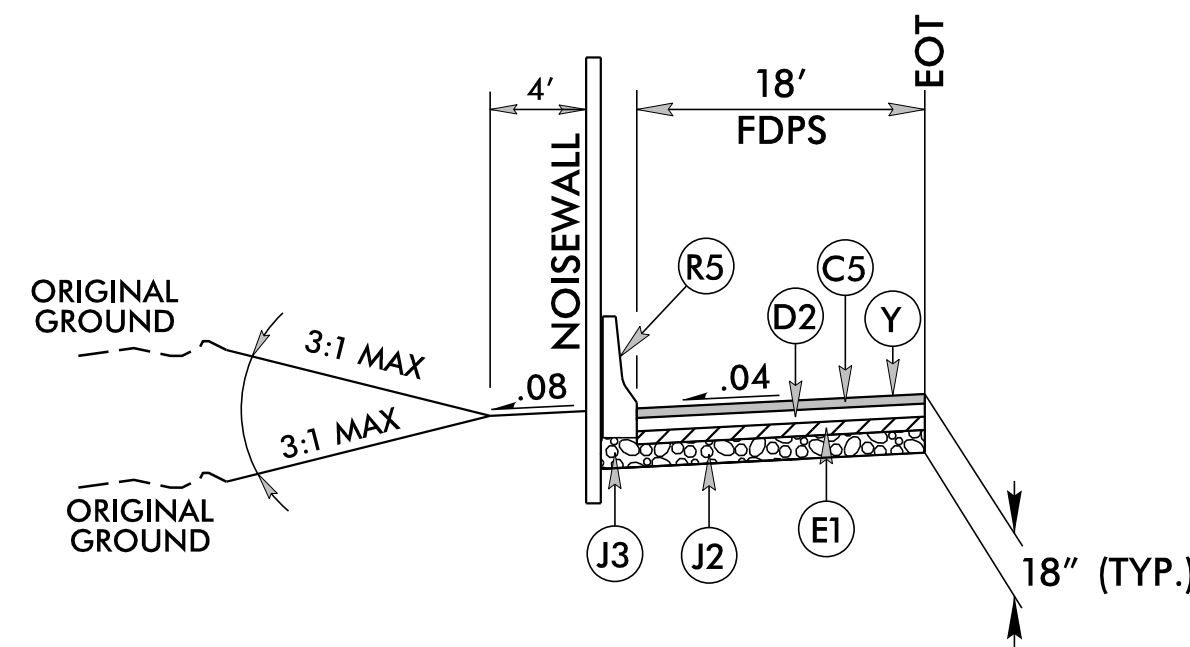
KEY-IN DETAIL NO. 2

TO BE USED AT ALL TIE-IN LOCATIONS



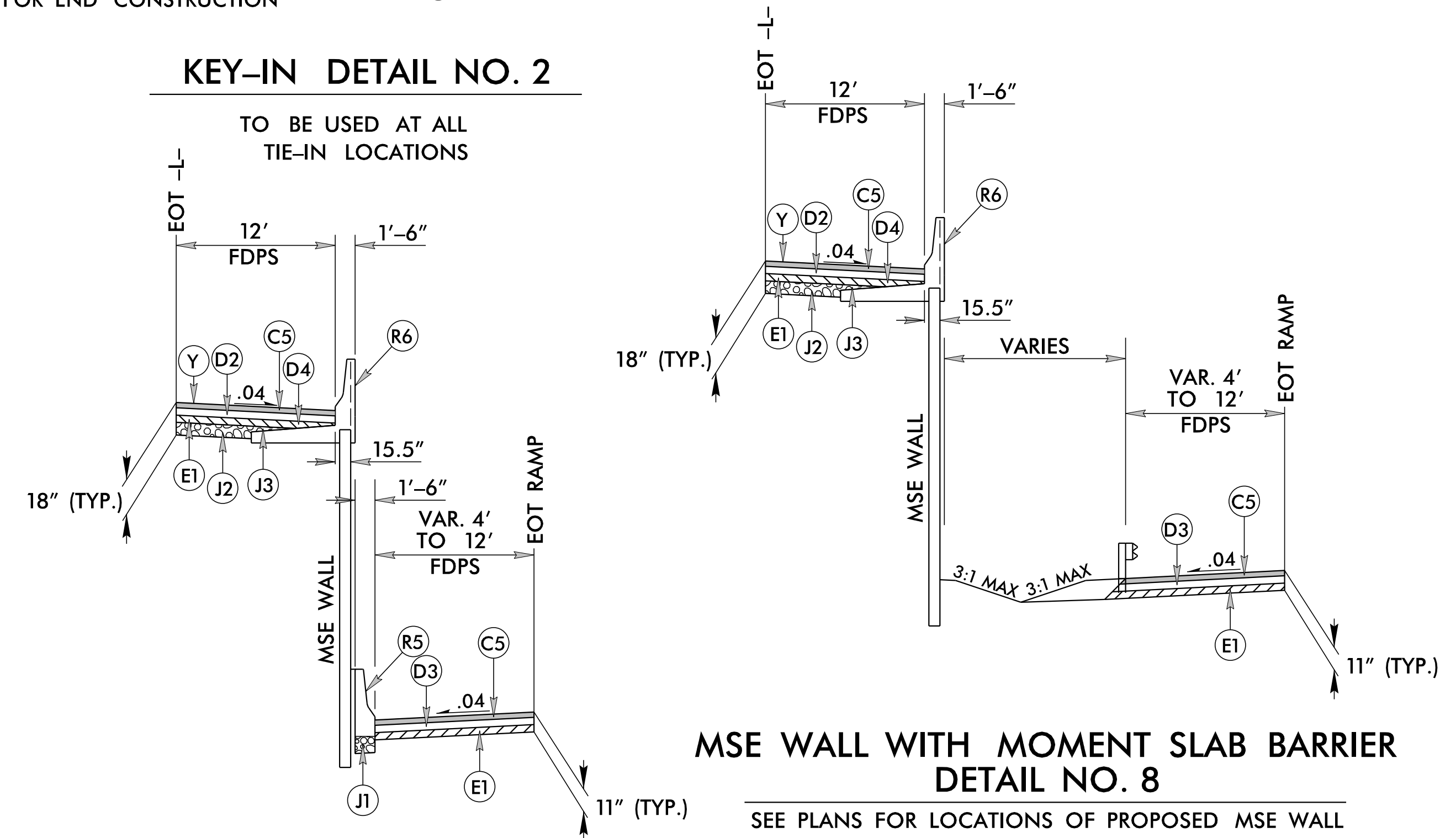
EXPRESSWAY GUTTER DETAIL NO. 3

SEE PLANS FOR LOCATION OF PROPOSED EXPRESSWAY GUTTER
USE WITH -Y21RPB- TYPICAL SECTION



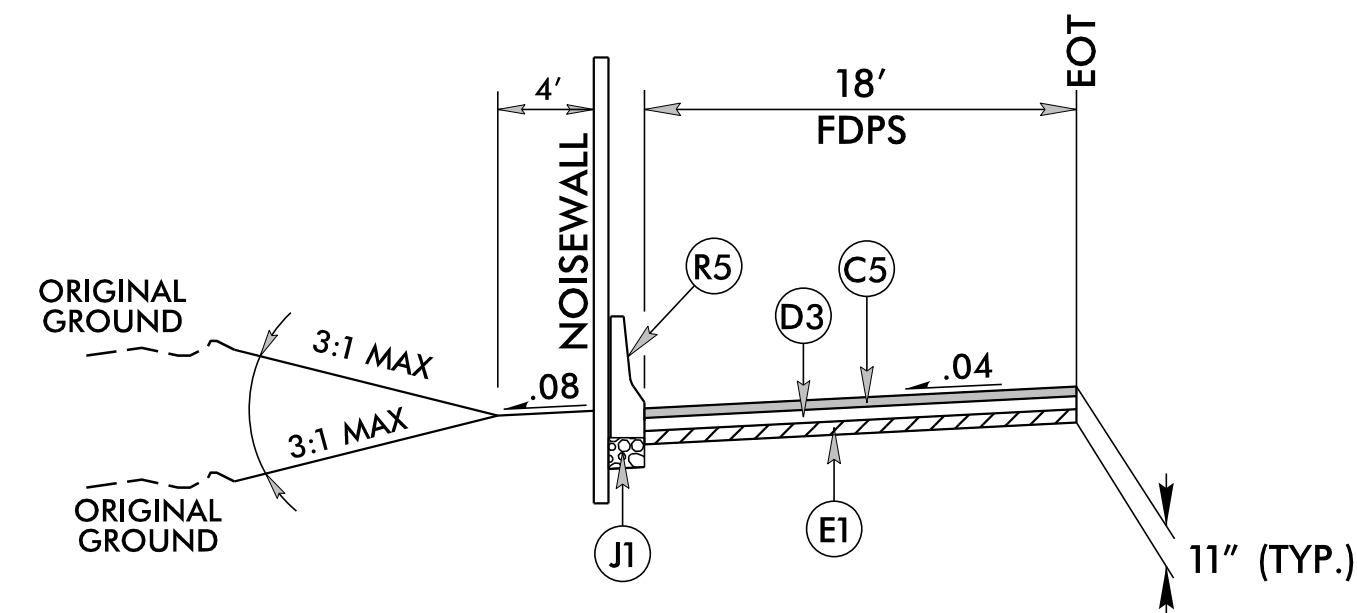
NOISEWALL WITH BARRIER DETAIL NO. 4

SEE PLANS FOR LOCATION OF PROPOSED NOISEWALL WITH BARRIER
USE WITH -L- TYPICAL SECTION



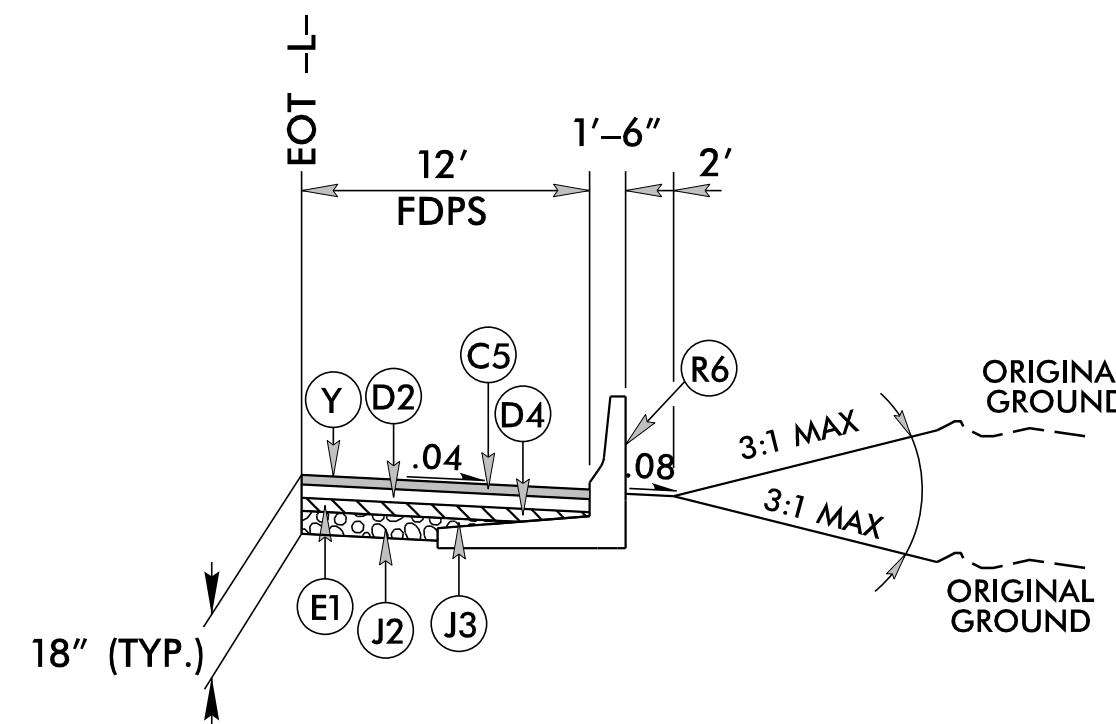
MSE WALL WITH MOMENT SLAB BARRIER DETAIL NO. 8

SEE PLANS FOR LOCATIONS OF PROPOSED MSE WALL
USE WITH -L- / RAMP WITH GUARDRAIL TYPICAL SECTION



NOISEWALL WITH BARRIER DETAIL NO. 5

SEE PLANS FOR LOCATION OF PROPOSED NOISEWALL WITH BARRIER
USE WITH -RPB55- & -RPC55- TYPICAL SECTION

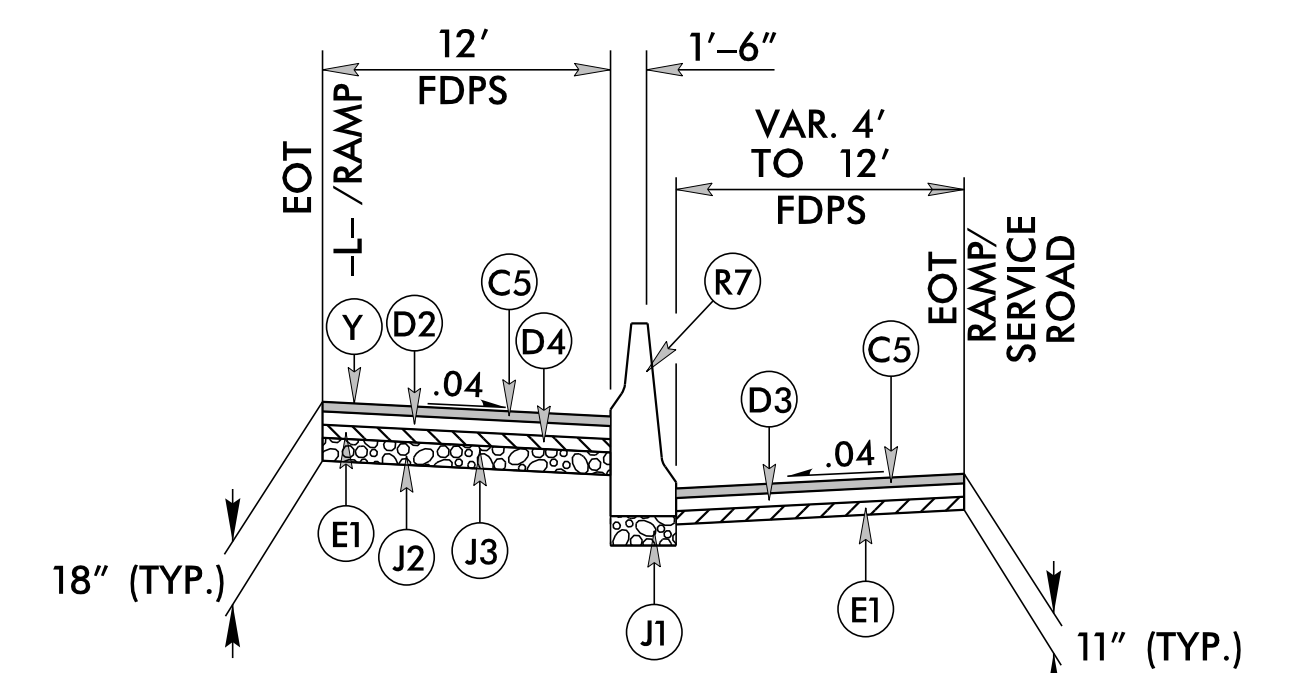


MOMENT SLAB BARRIER DETAIL NO. 6

SEE PLANS FOR LOCATIONS OF BARRIER WITHOUT WALL
USE WITH -L- / RAMP TYPICAL SECTION

MSE WALL WITH MOMENT SLAB BARRIER DETAIL NO. 7

SEE PLANS FOR LOCATIONS OF PROPOSED MSE WALL
USE WITH -L- / RAMP WITH BARRIER TYPICAL SECTION



T-BARRIER DETAIL NO. 9

SEE PLANS FOR LOCATIONS OF T-BARRIER
USE WITH -L- / RAMP TYPICAL SECTION

PAVEMENT SCHEDULE

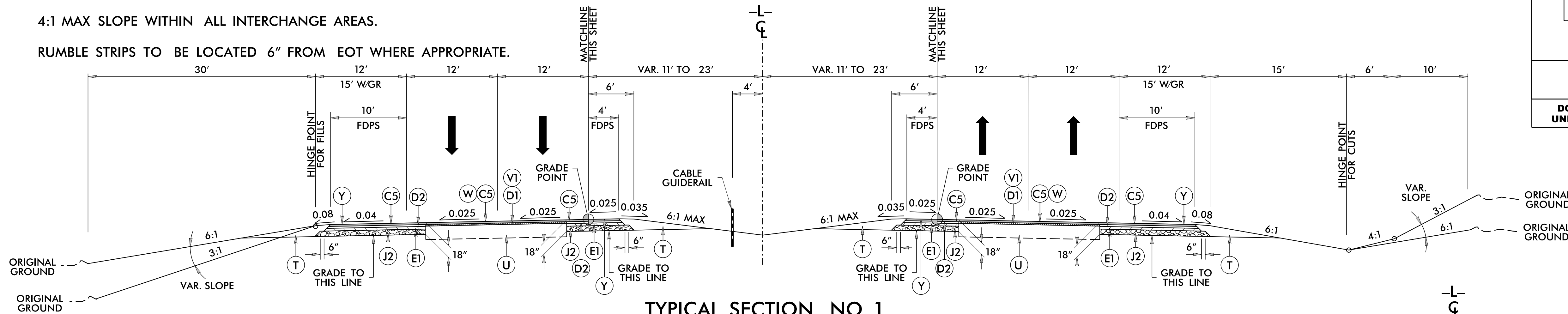
A1	6" JOINTED CONCRETE PAVEMENT	C5	3" SURFACE COURSE TYPE S9.5C	D4	VAR. DEPTH I19.0C	J3	VAR. AGGREGATE BASE COURSE	R5	SINGLE FACED CONC. BARRIER	V1	2.5" MILLING
A2	7" JOINTED CONCRETE TRUCK APRON	C6	VAR. S9.5C	E1	4" BASE COURSE TYPE B25.0C	P	PRIME COAT	R6	SINGLE FACED CONC. BARRIER WITH MOMENT SLAB	V2	VAR. MILLING
C1	2" SURFACE COURSE TYPE S9.5B	C7	1.5" SURFACE COURSE TYPE S9.5B	E2	4.5" BASE COURSE TYPE B25.0C	R1	1'-6" CURB & GUTTER	R7	TYPE T CONC. BARRIER (T, T1, T2)	V3	INCIDENTAL MILLING
C2	3" SURFACE COURSE TYPE S9.5B	D1	2.5" INTER. COURSE TYPE I19.0C	E3	VAR. B25.0C	R2	2'-6" CURB & GUTTER	S	4" CONC. SIDEWALK	W	WEDGING
C3	VAR. S9.5B	D2	3" INTER. COURSE TYPE I19.0C	J1	6" AGGREGATE BASE COURSE	R3	5" MONO. ISLAND (RED COLORED)	T	EARTH MATERIAL	Y	RUMBLE STRIPS
C4	1.5" SURFACE COURSE TYPE S9.5C	D3	4" INTER. COURSE TYPE I19.0C	J2	8" AGGREGATE BASE COURSE	R4	EXPRESSWAY GUTTER	U	EXISTING PAVEMENT		

NOTE: TYPICAL SECTIONS SHOWN FOR TANGENT SECTIONS ONLY, SEE PLANS AND STANDARD DRAWINGS FOR SUPERELEVATION DETAILS. SEE PLANS FOR LOCATIONS OF TURN LANES AND INTERSECTIONS.

ALL PAVEMENT SLOPES 1:1 UNLESS NOTED OTHERWISE.

4:1 MAX SLOPE WITHIN ALL INTERCHANGE AREAS.

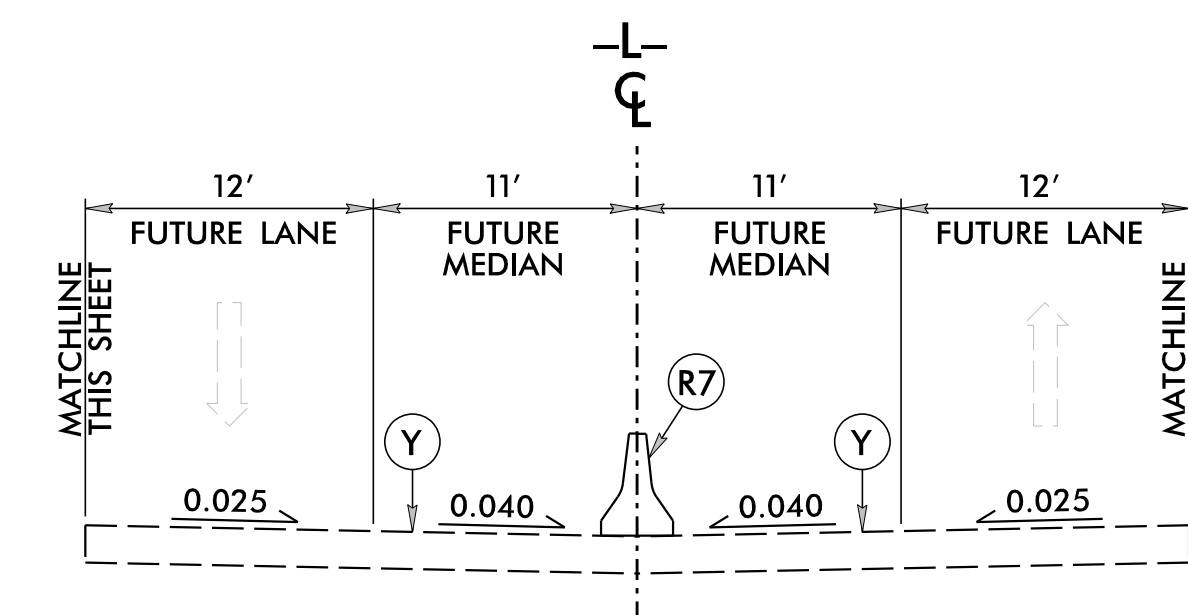
RUMBLE STRIPS TO BE LOCATED 6" FROM EOT WHERE APPROPRIATE.



TYPICAL SECTION NO. 1

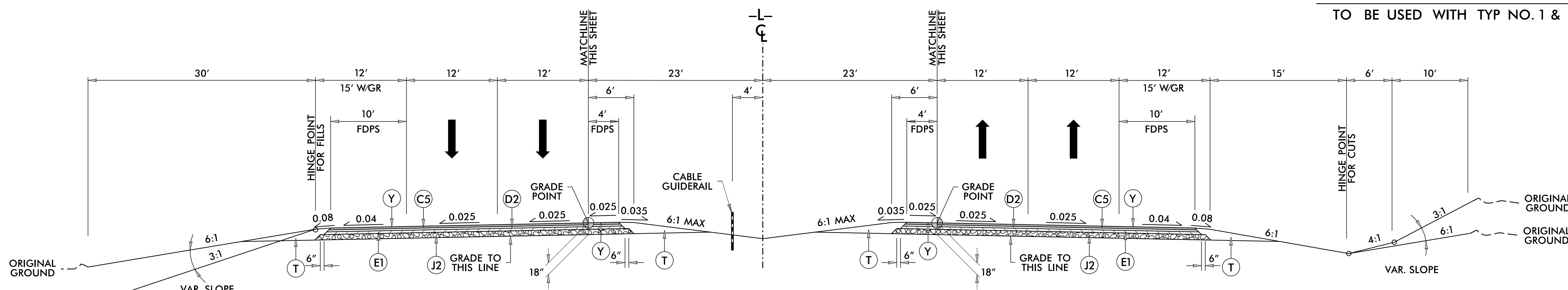
- L- STA. 245+00.00 TO 259+00.00
- L- STA. 278+50.00 TO 307+00.00
- L- STA. 329+00.00 TO 342+40.00

NOTE: SEE PLANS FOR LOCATING CABLE GUIDERAIL LEFT OR RIGHT OF CENTERLINE



FUTURE WIDENING DETAIL

TO BE USED WITH TYP NO. 1 & 2



TYPICAL SECTION NO. 2

- L- STA. 259+00.00 TO 268+07.31+/- (BEGIN BRIDGE)
- L- STA. 269+11.56+/- (END BRIDGE) TO 278+50.00
- L- STA. 307+00.00 TO 318+68.10+/- (BEGIN BRIDGE)
- L- STA. 319+67.85+/- (END BRIDGE) TO 329+00.00

NOTE: SEE PLANS FOR LOCATING CABLE GUIDERAIL LEFT OR RIGHT OF CENTERLINE

PAVEMENT SCHEDULE

A1	6" JOINTED CONCRETE PAVEMENT	C5	3" SURFACE COURSE TYPE S9.5C	D4	VAR. DEPTH I19.0C	J3	VAR. AGGREGATE BASE COURSE	R5	SINGLE FACED CONC. BARRIER	V1	2.5" MILLING
A2	7" JOINTED CONCRETE TRUCK APRON	C6	VAR. S9.5C	E1	4" BASE COURSE TYPE B25.0C	P	PRIME COAT	R6	SINGLE FACED CONC. BARRIER WITH MOMENT SLAB	V2	VAR. MILLING
C1	2" SURFACE COURSE TYPE S9.5B	C7	1.5" SURFACE COURSE TYPE S9.5B	E2	4.5" BASE COURSE TYPE B25.0C	R1	1'-6" CURB & GUTTER	R7	TYPE T CONC. BARRIER (T, T1, T2)	V3	INCIDENTAL MILLING
C2	3" SURFACE COURSE TYPE S9.5B	D1	2.5" INTER. COURSE TYPE I19.0C	E3	VAR. B25.0C	R2	2'-6" CURB & GUTTER	S	4" CONC. SIDEWALK	W	WEDGING
C3	VAR. S9.5B	D2	3" INTER. COURSE TYPE I19.0C	J1	6" AGGREGATE BASE COURSE	R3	5" MONO. ISLAND (RED COLORED)	T	EARTH MATERIAL	Y	RUMBLE STRIPS
C4	1.5" SURFACE COURSE TYPE S9.5C	D3	4" INTER. COURSE TYPE I19.0C	J2	8" AGGREGATE BASE COURSE	R4	EXPRESSWAY GUTTER	U	EXISTING PAVEMENT		

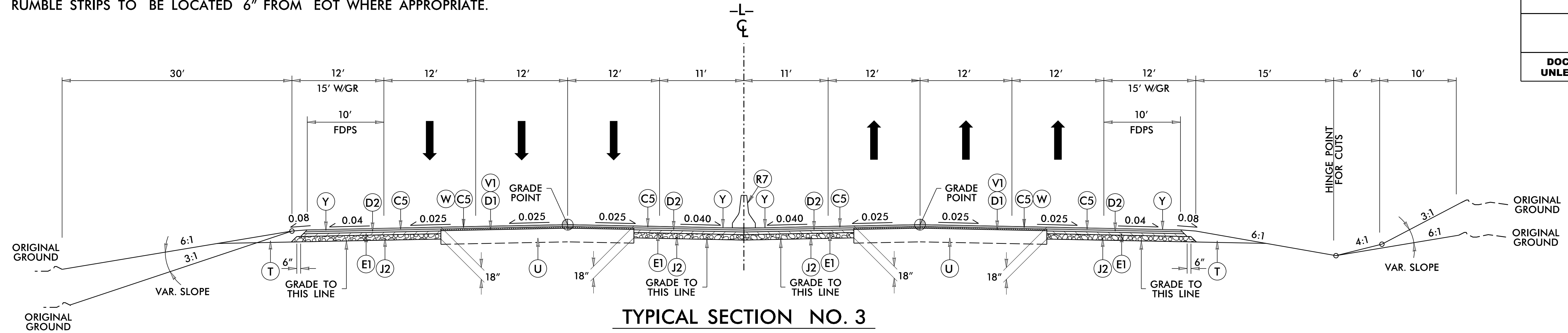
NOTE: TYPICAL SECTIONS SHOWN FOR TANGENT SECTIONS ONLY,
SEE PLANS AND STANDARD DRAWINGS FOR SUPERELEVATION DETAILS.
SEE PLANS FOR LOCATIONS OF TURN LANES AND INTERSECTIONS.

ALL PAVEMENT SLOPES 1:1 UNLESS NOTED OTHERWISE.

4:1 MAX SLOPE WITHIN ALL INTERCHANGE AREAS.

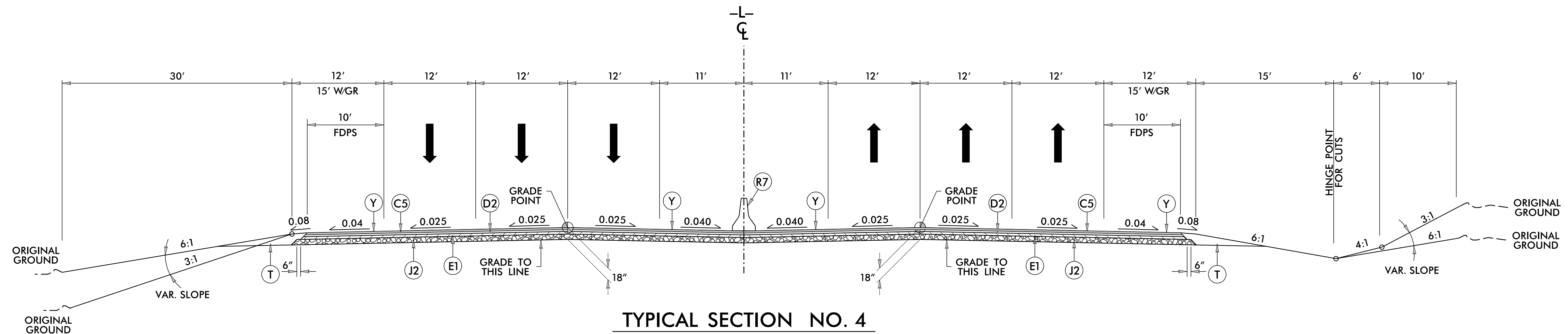
RUMBLE STRIPS TO BE LOCATED 6" FROM EOT WHERE APPROPRIATE.

PROJECT REFERENCE NO. U-5713/R-5777 A&B	SHEET NO. 2A-4
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER
PRELIMINARY PLANS <small>DO NOT USE FOR CONSTRUCTION</small>	
INCOMPLETE PLANS <small>DO NOT USE FOR R/W ACQUISITION</small>	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



TYPICAL SECTION NO. 3

- L- STA. 342 + 40.00 TO 367 + 00.00
- L- STA. 387 + 50.00 TO 405 + 50.00
- L- STA. 426 + 00.00 TO 432 + 50.00
- L- STA. 454 + 00.00 TO 470 + 52.59



TYPICAL SECTION NO. 4

- L- STA. 367 + 00.00 TO 376 + 25.52 +/- (BEGIN BRIDGE)
- L- STA. 377 + 54.53 +/- (END BRIDGE) TO 387 + 50.00
- L- STA. 405 + 50.00 TO 415 + 44.44 +/- (BEGIN BRIDGE)
- L- STA. 416 + 73.94 +/- (END BRIDGE) TO 426 + 00.00
- L- STA. 432 + 50.00 TO 442 + 66.25 +/- (BEGIN BRIDGE)
- L- STA. 443 + 91.00 +/- (END BRIDGE) TO 454 + 00.00

SEE DETAIL NO. 6, SHEET 2A-2
FOR MSE WALL WITH MOMENT SLAB DETAIL

PAVEMENT SCHEDULE

A1	6" JOINTED CONCRETE PAVEMENT	C5	3" SURFACE COURSE TYPE S9.5C	D4	VAR. DEPTH I19.0C	J3	VAR. AGGREGATE BASE COURSE	R5	SINGLE FACED CONC. BARRIER	V1	2.5" MILLING
A2	7" JOINTED CONCRETE TRUCK APRON	C6	VAR. S9.5C	E1	4" BASE COURSE TYPE B25.0C	P	PRIME COAT	R6	SINGLE FACED CONC. BARRIER WITH MOMENT SLAB	V2	VAR. MILLING
C1	2" SURFACE COURSE TYPE S9.5B	C7	1.5" SURFACE COURSE TYPE S9.5B	E2	4.5" BASE COURSE TYPE B25.0C	R1	1'-6" CURB & GUTTER	R7	TYPE T CONC. BARRIER (T, T1, T2)	V3	INCIDENTAL MILLING
C2	3" SURFACE COURSE TYPE S9.5B	D1	2.5" INTER. COURSE TYPE I19.0C	E3	VAR. B25.0C	R2	2'-6" CURB & GUTTER	S	4" CONC. SIDEWALK	W	WEDGING
C3	VAR. S9.5B	D2	3" INTER. COURSE TYPE I19.0C	J1	6" AGGREGATE BASE COURSE	R3	5" MONO. ISLAND (RED COLORED)	T	EARTH MATERIAL	Y	RUMBLE STRIPS
C4	1.5" SURFACE COURSE TYPE S9.5C	D3	4" INTER. COURSE TYPE I19.0C	J2	8" AGGREGATE BASE COURSE	R4	EXPRESSWAY GUTTER	U	EXISTING PAVEMENT		

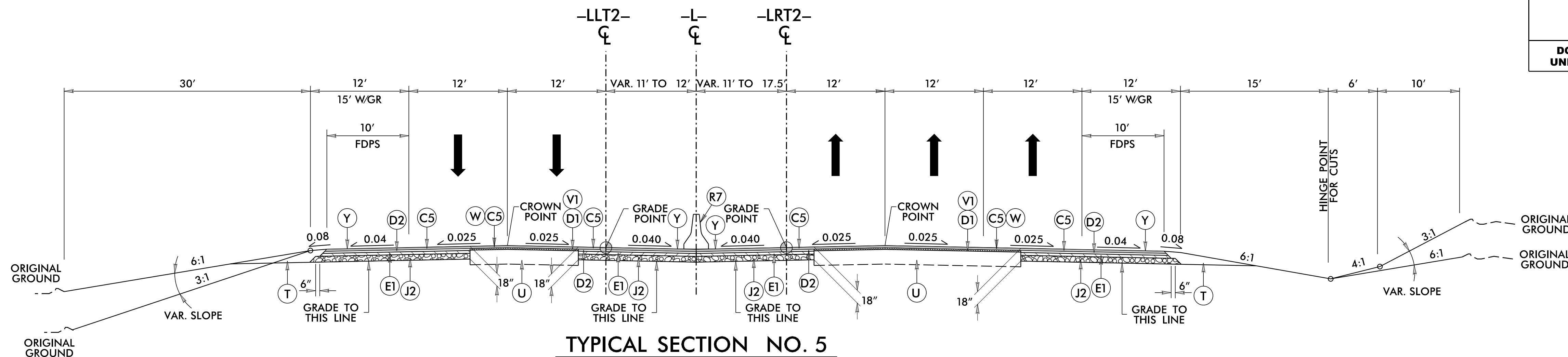
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NOTE: TYPICAL SECTIONS SHOWN FOR TANGENT SECTIONS ONLY, SEE PLANS AND STANDARD DRAWINGS FOR SUPERELEVATION DETAILS. SEE PLANS FOR LOCATIONS OF TURN LANES AND INTERSECTIONS.

ALL PAVEMENT SLOPES 1:1 UNLESS NOTED OTHERWISE.

4:1 MAX SLOPE WITHIN ALL INTERCHANGE AREAS.

RUMBLE STRIPS TO BE LOCATED 6" FROM EOT WHERE APPROPRIATE.

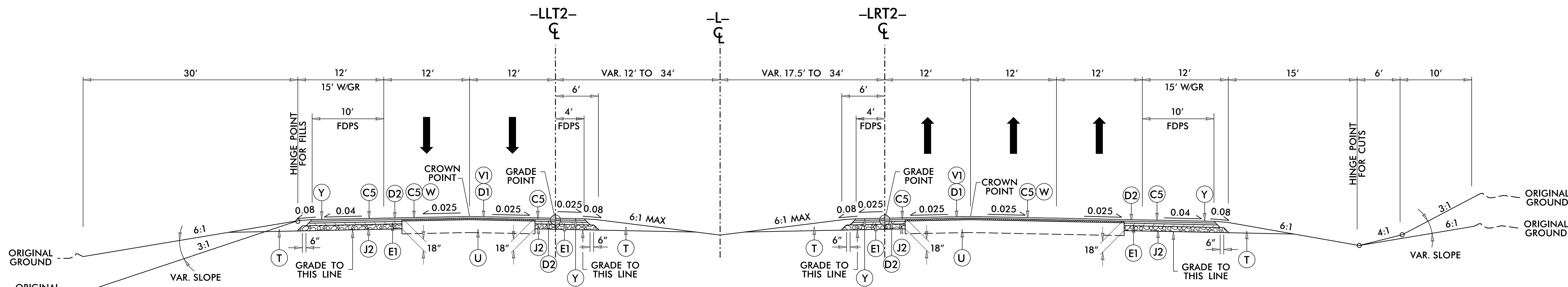


TYPICAL SECTION NO. 5

-LLT2- STA. 470+52.59 TO 473+82.10
 -LRT2- STA. 470+52.59 TO 473+81.15

SEE DETAIL NO. 4, SHEET 2A-2 FOR NOISEWALL DETAIL

NOTE: SEE PLANS FOR NOISE WALL LOCATIONS



TYPICAL SECTION NO. 6

-LLT2- STA. 473+82.10 TO 480+60.00
 -LRT2- STA. 473+81.15 TO 480+50.00

(SEE PLAN FOR LOCATIONS OF MEDIAN PROTECTION)

PAVEMENT SCHEDULE

A1	6" JOINTED CONCRETE PAVEMENT	C5	3" SURFACE COURSE TYPE S9.5C	D4	VAR. DEPTH I19.0C	J3	VAR. AGGREGATE BASE COURSE	R5	SINGLE FACED CONC. BARRIER	V1	2.5" MILLING
A2	7" JOINTED CONCRETE TRUCK APRON	C6	VAR. S9.5C	E1	4" BASE COURSE TYPE B25.0C	P	PRIME COAT	R6	SINGLE FACED CONC. BARRIER WITH MOMENT SLAB	V2	VAR. MILLING
C1	2" SURFACE COURSE TYPE S9.5B	C7	1.5" SURFACE COURSE TYPE S9.5B	E2	4.5" BASE COURSE TYPE B25.0C	R1	1'-6" CURB & GUTTER	R7	TYPE T CONC. BARRIER (T, T1, T2)	V3	INCIDENTAL MILLING
C2	3" SURFACE COURSE TYPE S9.5B	D1	2.5" INTER. COURSE TYPE I19.0C	E3	VAR. B25.0C	R2	2'-6" CURB & GUTTER	S	4" CONC. SIDEWALK	W	WEDGING
C3	VAR. S9.5B	D2	3" INTER. COURSE TYPE I19.0C	J1	6" AGGREGATE BASE COURSE	R3	5" MONO. ISLAND (RED COLORED)	T	EARTH MATERIAL	Y	RUMBLE STRIPS
C4	1.5" SURFACE COURSE TYPE S9.5C	D3	4" INTER. COURSE TYPE I19.0C	J2	8" AGGREGATE BASE COURSE	R4	EXPRESSWAY GUTTER	U	EXISTING PAVEMENT		

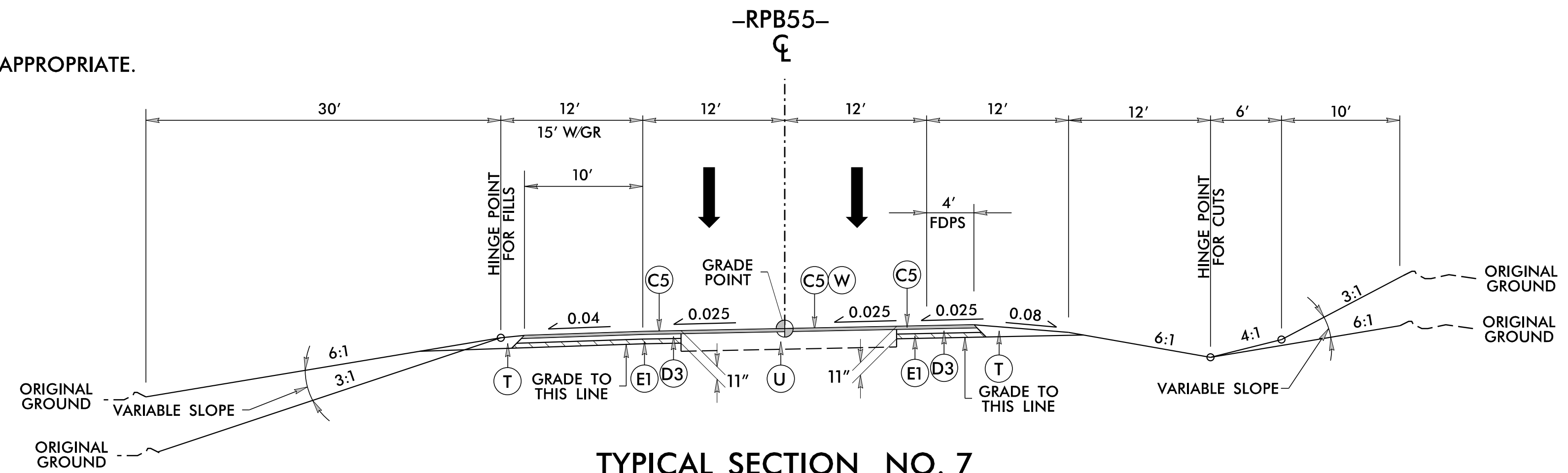
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NOTE: TYPICAL SECTIONS SHOWN FOR TANGENT SECTIONS ONLY, SEE PLANS AND STANDARD DRAWINGS FOR SUPERELEVATION DETAILS. SEE PLANS FOR LOCATIONS OF TURN LANES AND INTERSECTIONS.

ALL PAVEMENT SLOPES 1:1 UNLESS NOTED OTHERWISE.

4:1 MAX SLOPE WITHIN ALL INTERCHANGE AREAS.

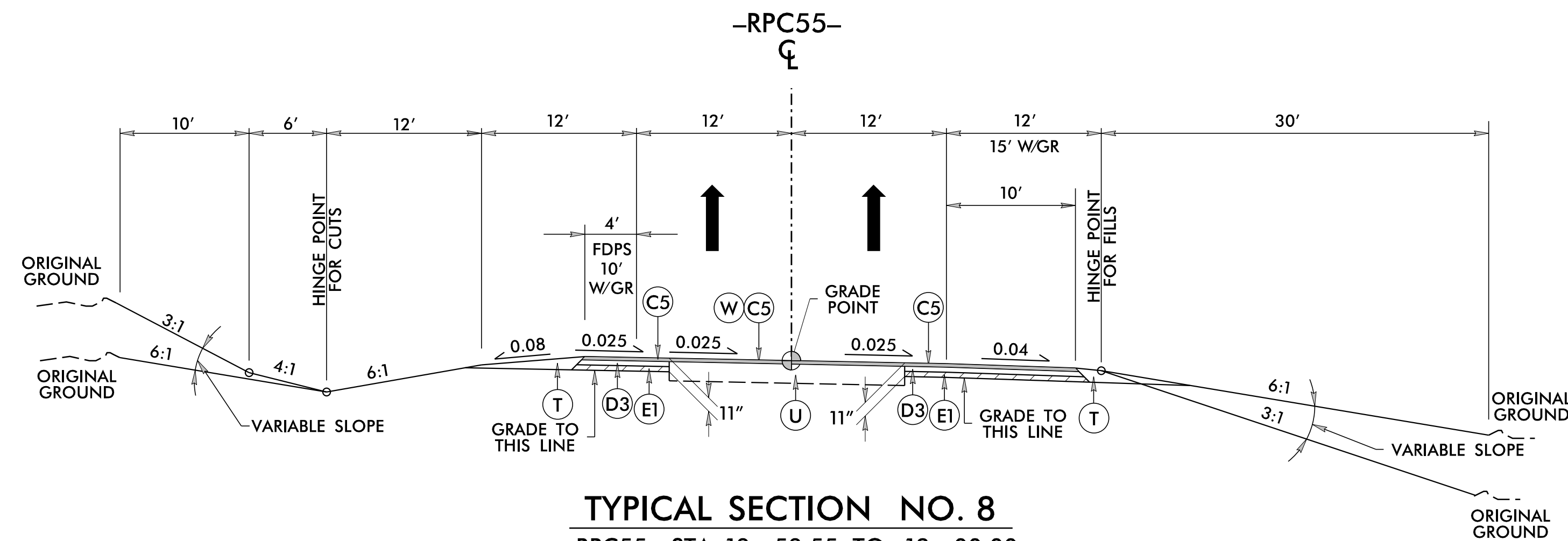
RUMBLE STRIPS TO BE LOCATED 6" FROM EOT WHERE APPROPRIATE.



TYPICAL SECTION NO. 7
-RPB55- STA. 14+51.90 TO 20+60.00

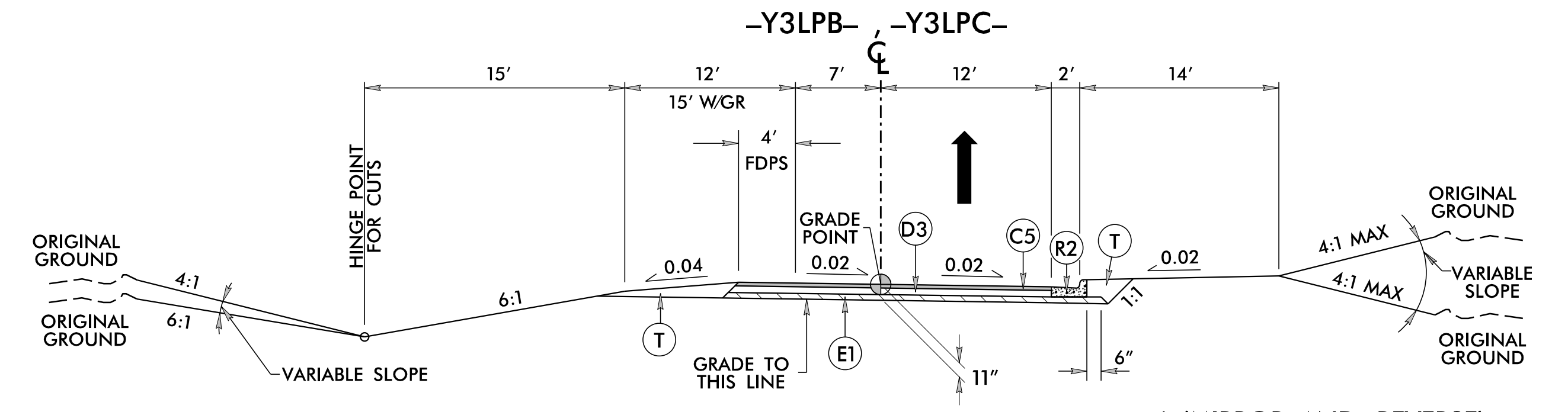
NOTE: SEE PLANS FOR NOISE WALL LOCATIONS

SEE DETAIL NO. 5, SHEET 2A-2
FOR NOISEWALL DETAIL



TYPICAL SECTION NO. 8
-RPC55- STA. 13+53.55 TO 19+00.00
NOTE: SEE PLANS FOR NOISE WALL LOCATIONS

SEE DETAIL NO. 5, SHEET 2A-2
FOR NOISEWALL DETAIL



TYPICAL SECTION NO. 9
-Y3LPB- STA. 11+19.09 TO 14+20.62
* -Y3LPC- STA. 10+97.41 TO 14+83.74

* (MIRROR AND REVERSE)

PAVEMENT SCHEDULE

A1	6" JOINTED CONCRETE PAVEMENT	C5	3" SURFACE COURSE TYPE S9.5C	D4	VAR. DEPTH I19.0C	J3	VAR. AGGREGATE BASE COURSE	R5	SINGLE FACED CONC. BARRIER	V1	2.5" MILLING
A2	7" JOINTED CONCRETE TRUCK APRON	C6	VAR. S9.5C	E1	4" BASE COURSE TYPE B25.0C	P	PRIME COAT	R6	SINGLE FACED CONC. BARRIER WITH MOMENT SLAB	V2	VAR. MILLING
C1	2" SURFACE COURSE TYPE S9.5B	C7	1.5" SURFACE COURSE TYPE S9.5B	E2	4.5" BASE COURSE TYPE B25.0C	R1	1'-6" CURB & GUTTER	R7	TYPE T CONC. BARRIER (T, T1, T2)	V3	INCIDENTAL MILLING
C2	3" SURFACE COURSE TYPE S9.5B	D1	2.5" INTER. COURSE TYPE I19.0C	E3	VAR. B25.0C	R2	2'-6" CURB & GUTTER	S	4" CONC. SIDEWALK	W	WEDGING
C3	VAR. S9.5B	D2	3" INTER. COURSE TYPE I19.0C	J1	6" AGGREGATE BASE COURSE	R3	5" MONO. ISLAND (RED COLORED)	T	EARTH MATERIAL	Y	RUMBLE STRIPS
C4	1.5" SURFACE COURSE TYPE S9.5C	D3	4" INTER. COURSE TYPE I19.0C	J2	8" AGGREGATE BASE COURSE	R4	EXPRESSWAY GUTTER	U	EXISTING PAVEMENT		

NOTE: TYPICAL SECTIONS SHOWN FOR TANGENT SECTIONS ONLY, SEE PLANS AND STANDARD DRAWINGS FOR SUPERELEVATION DETAILS. SEE PLANS FOR LOCATIONS OF WALLS, TURN LANES AND INTERSECTIONS.

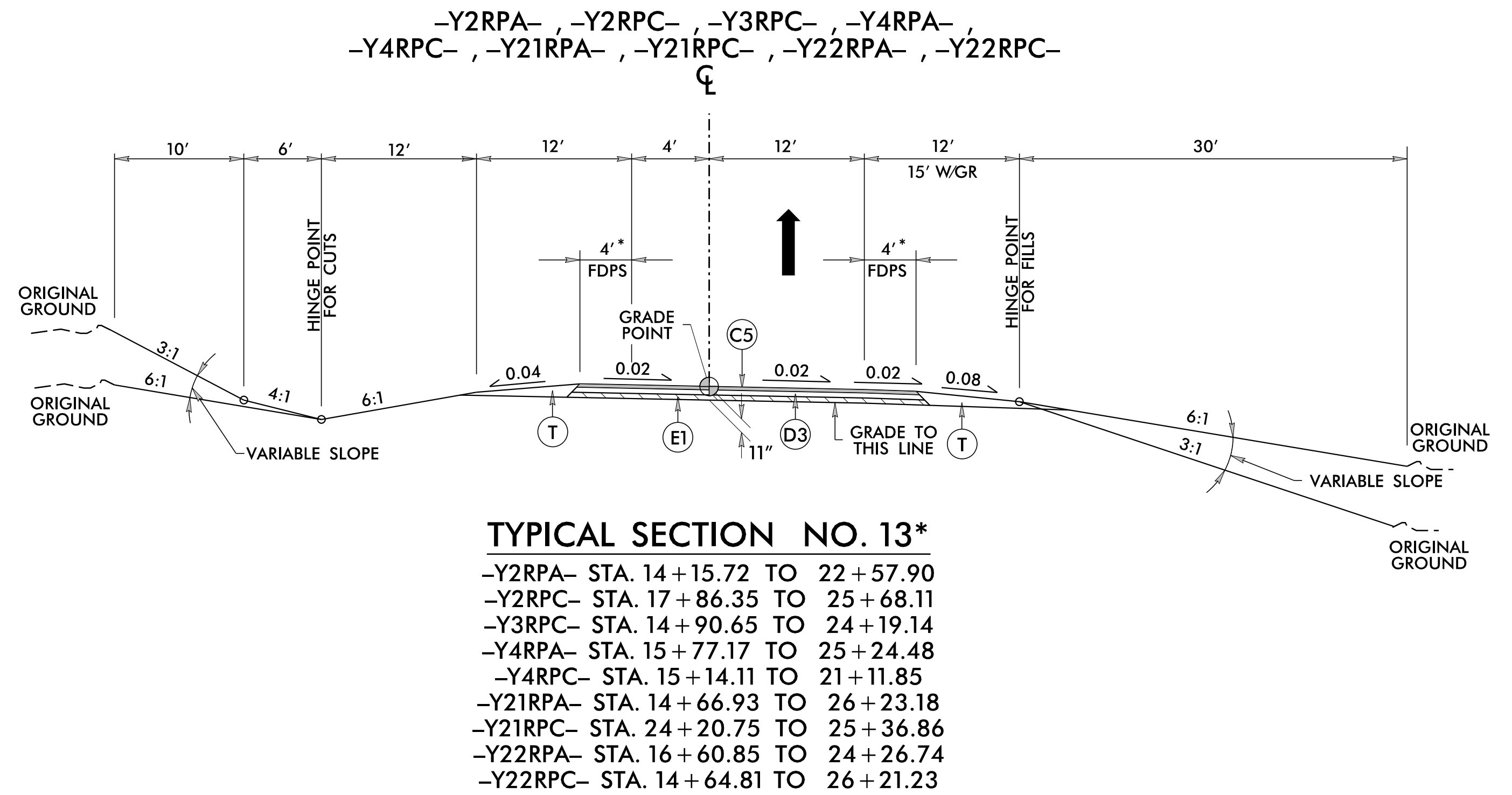
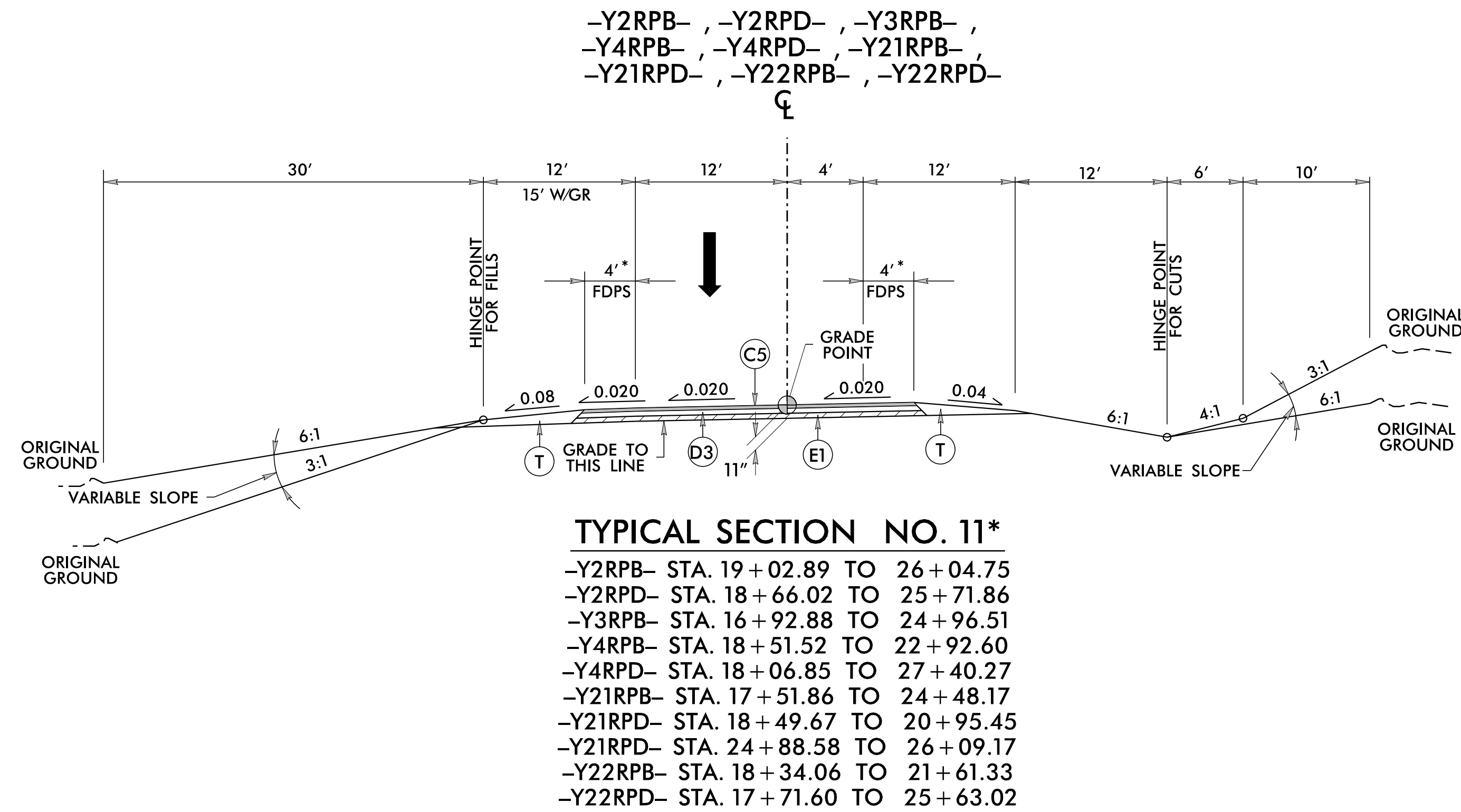
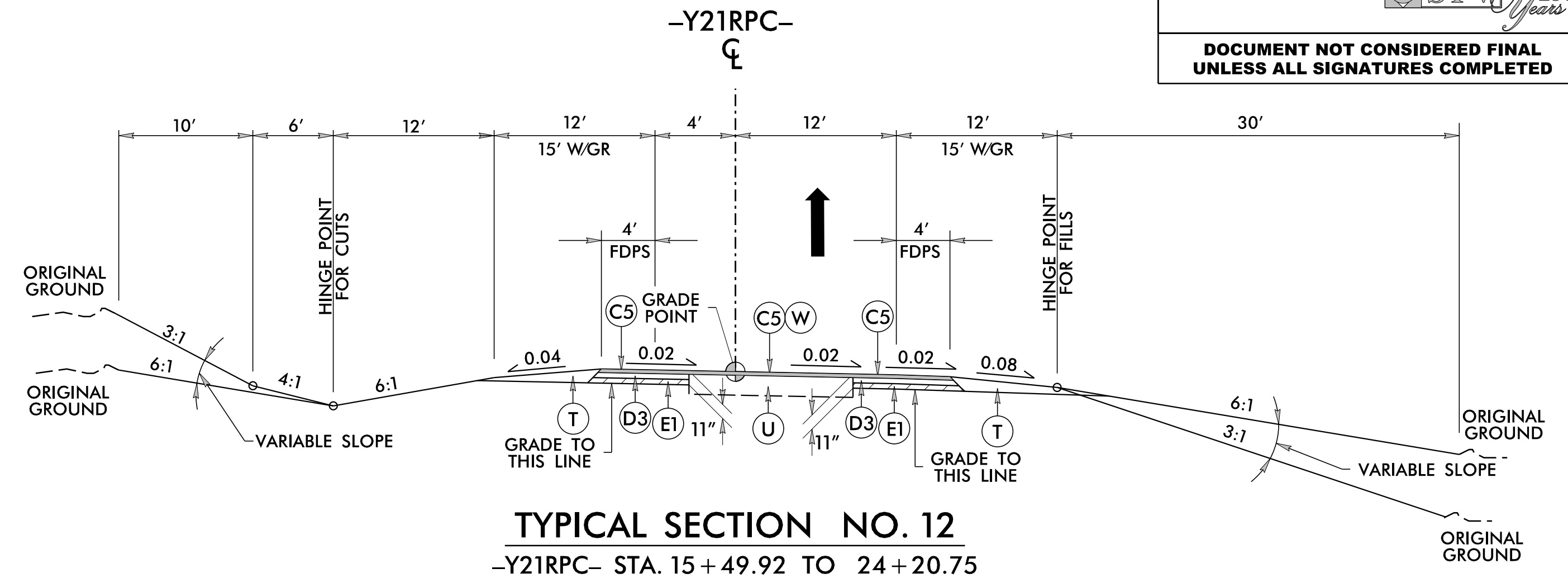
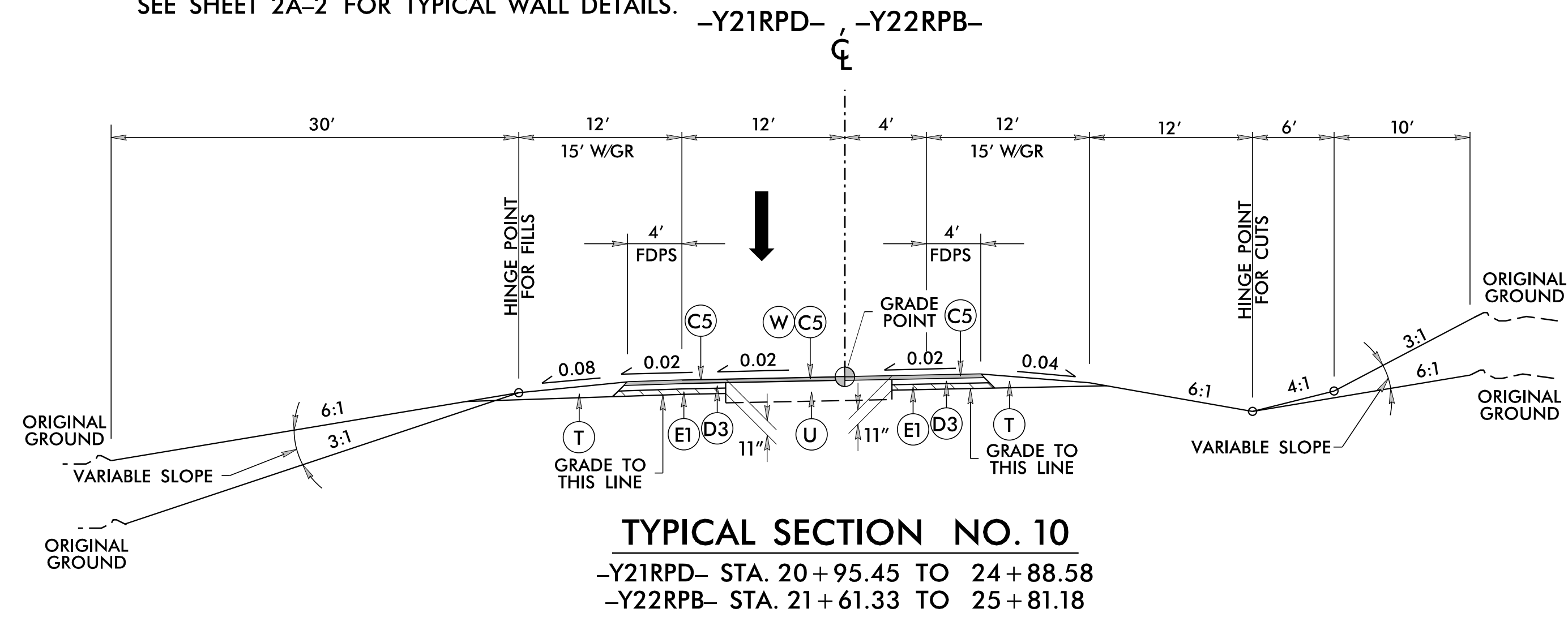
ALL PAVEMENT SLOPES 1:1 UNLESS NOTED OTHERWISE.

4:1 MAX SLOPE WITHIN ALL INTERCHANGE AREAS.

RUMBLE STRIPS TO BE LOCATED 6" FROM EOT WHERE APPROPRIATE.

SEE SHEET 2A-2 FOR TYPICAL WALL DETAILS.

* NOTE: RAMP SHOULDERS (ADJACENT TO BARRIER)
 MINIMUM INSIDE SHOULDER WIDTH = 4' FOR Y4RPA, Y4RPB, & Y4RPC
 MINIMUM INSIDE SHOULDER WIDTH = 6' FOR Y2RPA, Y2RPB, Y2RPC, Y2RPD, Y3RPA, Y3RPC, & Y4RPD
 MINIMUM OUTSIDE SHOULDER WIDTH = 8' FOR Y4RPA



PAVEMENT SCHEDULE

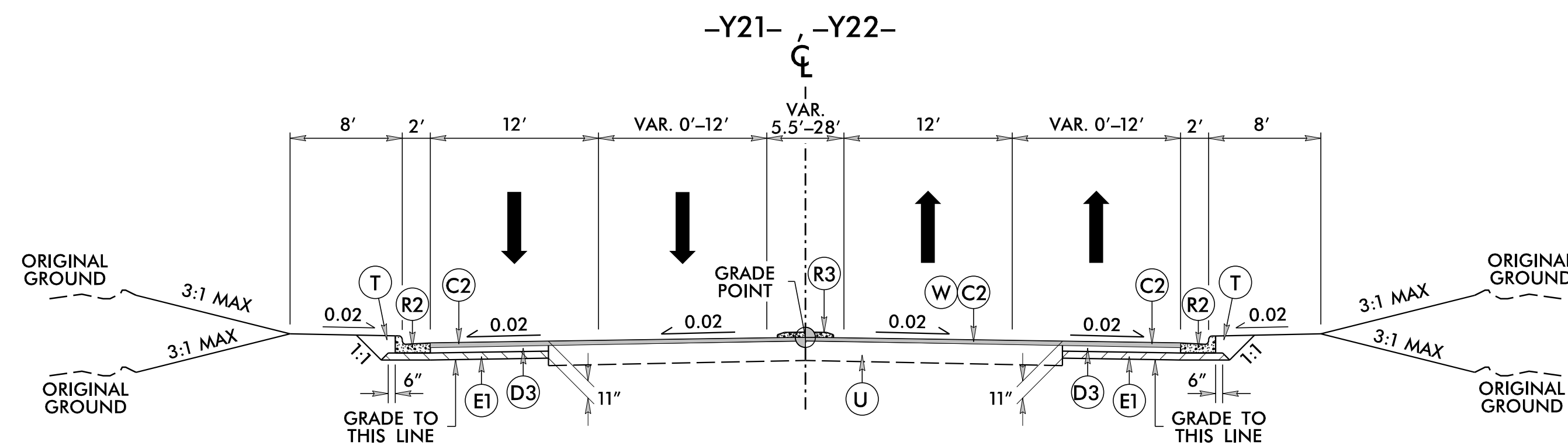
A1	6" JOINTED CONCRETE PAVEMENT	C5	3" SURFACE COURSE TYPE S9.5C	D4	VAR. DEPTH I19.0C	J3	VAR. AGGREGATE BASE COURSE	R5	SINGLE FACED CONC. BARRIER	V1	2.5" MILLING
A2	7" JOINTED CONCRETE TRUCK APRON	C6	VAR. S9.5C	E1	4" BASE COURSE TYPE B25.0C	P	PRIME COAT	R6	SINGLE FACED CONC. BARRIER WITH MOMENT SLAB	V2	VAR. MILLING
C1	2" SURFACE COURSE TYPE S9.5B	C7	1.5" SURFACE COURSE TYPE S9.5B	E2	4.5" BASE COURSE TYPE B25.0C	R1	1'-6" CURB & GUTTER	R7	TYPE T CONC. BARRIER (T, T1, T2)	V3	INCIDENTAL MILLING
C2	3" SURFACE COURSE TYPE S9.5B	D1	2.5" INTER. COURSE TYPE I19.0C	E3	VAR. B25.0C	R2	2'-6" CURB & GUTTER	S	4" CONC. SIDEWALK	W	WEDGING
C3	VAR. S9.5B	D2	3" INTER. COURSE TYPE I19.0C	J1	6" AGGREGATE BASE COURSE	R3	5" MONO. ISLAND (RED COLORED)	T	EARTH MATERIAL	Y	RUMBLE STRIPS
C4	1.5" SURFACE COURSE TYPE S9.5C	D3	4" INTER. COURSE TYPE I19.0C	J2	8" AGGREGATE BASE COURSE	R4	EXPRESSWAY GUTTER	U	EXISTING PAVEMENT		

NOTE: TYPICAL SECTIONS SHOWN FOR TANGENT SECTIONS ONLY, SEE PLANS AND STANDARD DRAWINGS FOR SUPERELEVATION DETAILS. SEE PLANS FOR LOCATIONS OF TURN LANES AND INTERSECTIONS.

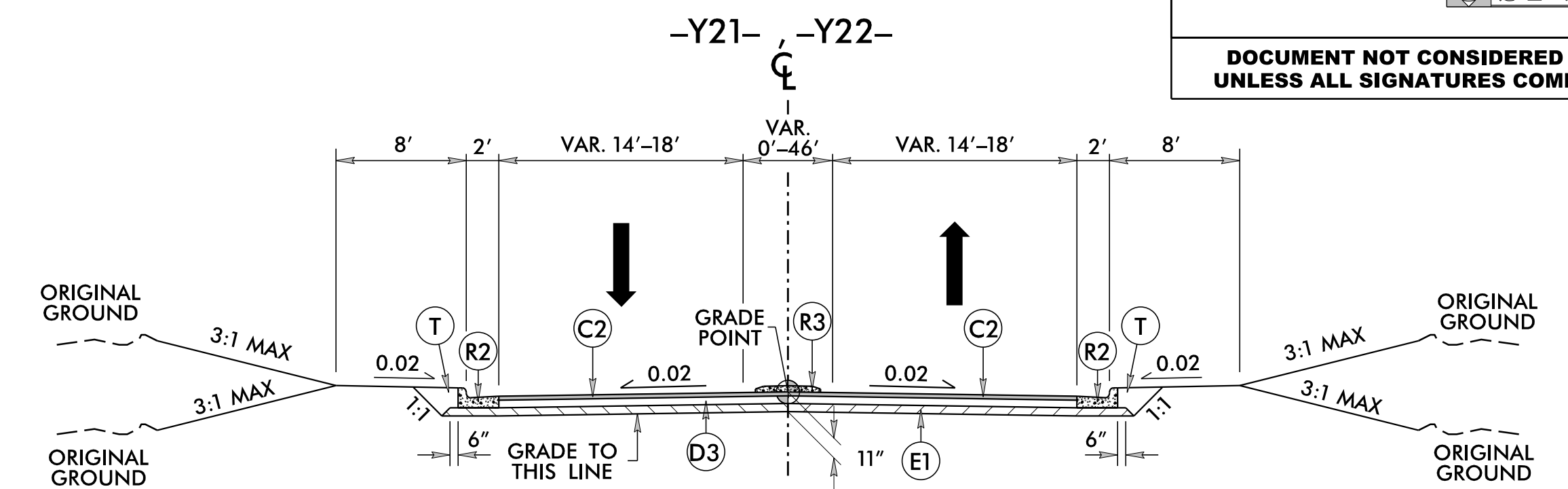
ALL PAVEMENT SLOPES 1:1 UNLESS NOTED OTHERWISE.

4:1 MAX SLOPE WITHIN ALL INTERCHANGE AREAS.

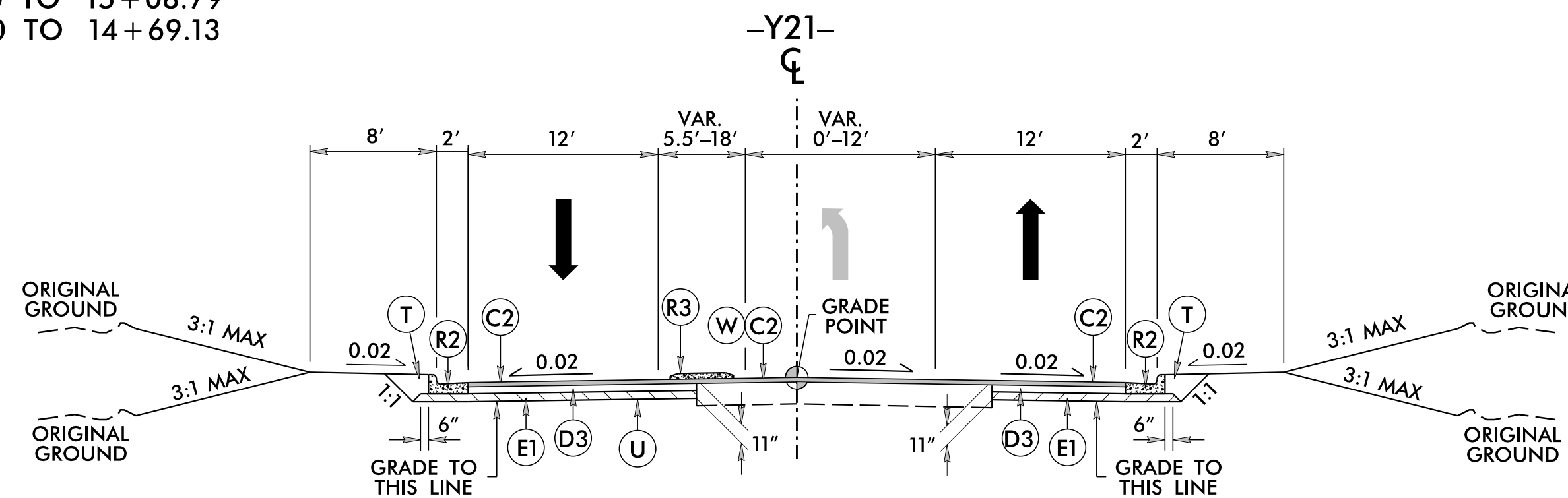
RUMBLE STRIPS TO BE LOCATED 6" FROM EOT WHERE APPROPRIATE.



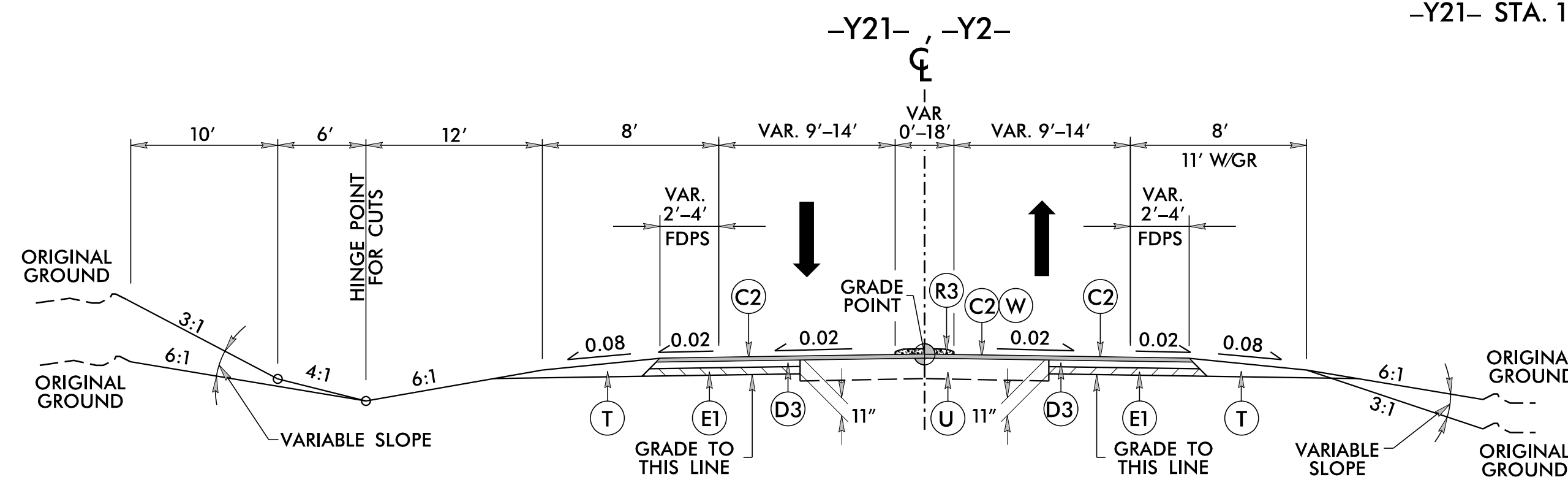
TYPICAL SECTION NO. 14
 -Y21- STA. 10+90.00 TO 15+08.79
 -Y22- STA. 11+50.00 TO 14+69.13



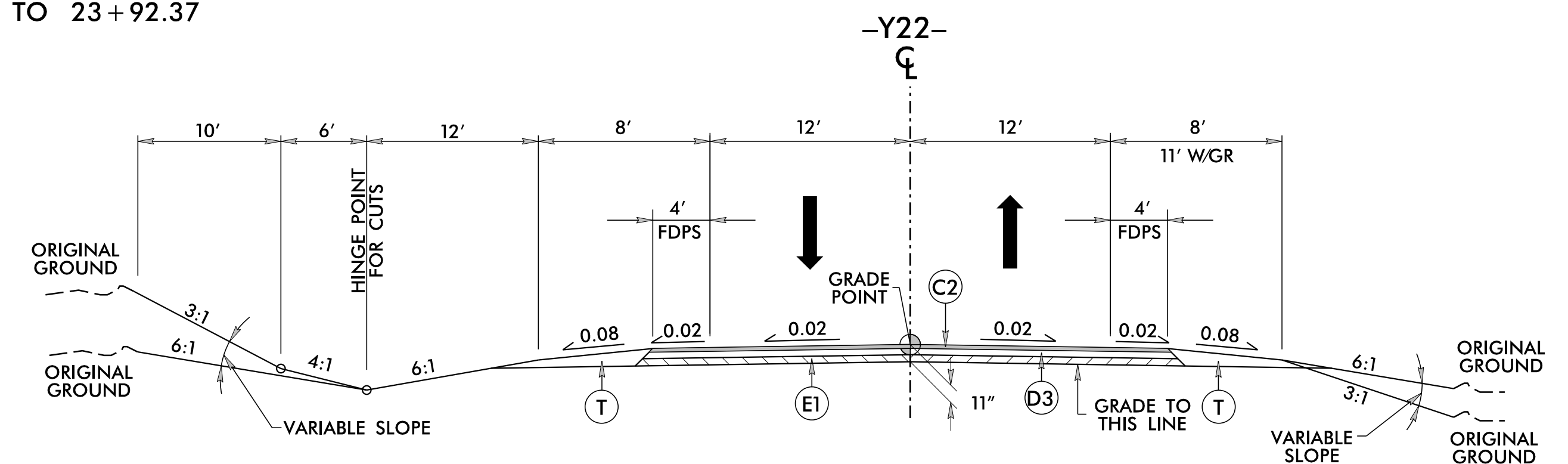
TYPICAL SECTION NO. 15
 -Y21- STA. 16+46.16 TO 18+19.15
 -Y22- STA. 15+87.13 TO 18+10.53
 -Y22- STA. 19+28.88 TO 24+86.45



TYPICAL SECTION NO. 14A
 -Y21- STA. 19+56.46 TO 23+92.37



TYPICAL SECTION NO. 16
 -Y21- STA. 23+91.63 TO 27+28.75
 -Y2- STA. 10+64.50 TO 14+16.00



TYPICAL SECTION NO. 17
 -Y22- STA. 24+86.45 TO 36+39.10

PAVEMENT SCHEDULE


A1	6" JOINTED CONCRETE PAVEMENT	C5	3" SURFACE COURSE TYPE S9.5C	D4	VAR. DEPTH I19.0C	J3	VAR. AGGREGATE BASE COURSE	R5	SINGLE FACED CONC. BARRIER	V1	2.5" MILLING
A2	7" JOINTED CONCRETE TRUCK APRON	C6	VAR. S9.5C	E1	4" BASE COURSE TYPE B25.0C	P	PRIME COAT	R6	SINGLE FACED CONC. BARRIER WITH MOMENT SLAB	V2	VAR. MILLING
C1	2" SURFACE COURSE TYPE S9.5B	C7	1.5" SURFACE COURSE TYPE S9.5B	E2	4.5" BASE COURSE TYPE B25.0C	R1	1'-6" CURB & GUTTER	R7	TYPE T CONC. BARRIER (T, T1, T2)	V3	INCIDENTAL MILLING
C2	3" SURFACE COURSE TYPE S9.5B	D1	2.5" INTER. COURSE TYPE I19.0C	E3	VAR. B25.0C	R2	2'-6" CURB & GUTTER	S	4" CONC. SIDEWALK	W	WEDGING
C3	VAR. S9.5B	D2	3" INTER. COURSE TYPE I19.0C	J1	6" AGGREGATE BASE COURSE	R3	5" MONO. ISLAND (RED COLORED)	T	EARTH MATERIAL	Y	RUMBLE STRIPS
C4	1.5" SURFACE COURSE TYPE S9.5C	D3	4" INTER. COURSE TYPE I19.0C	J2	8" AGGREGATE BASE COURSE	R4	EXPRESSWAY GUTTER	U	EXISTING PAVEMENT		

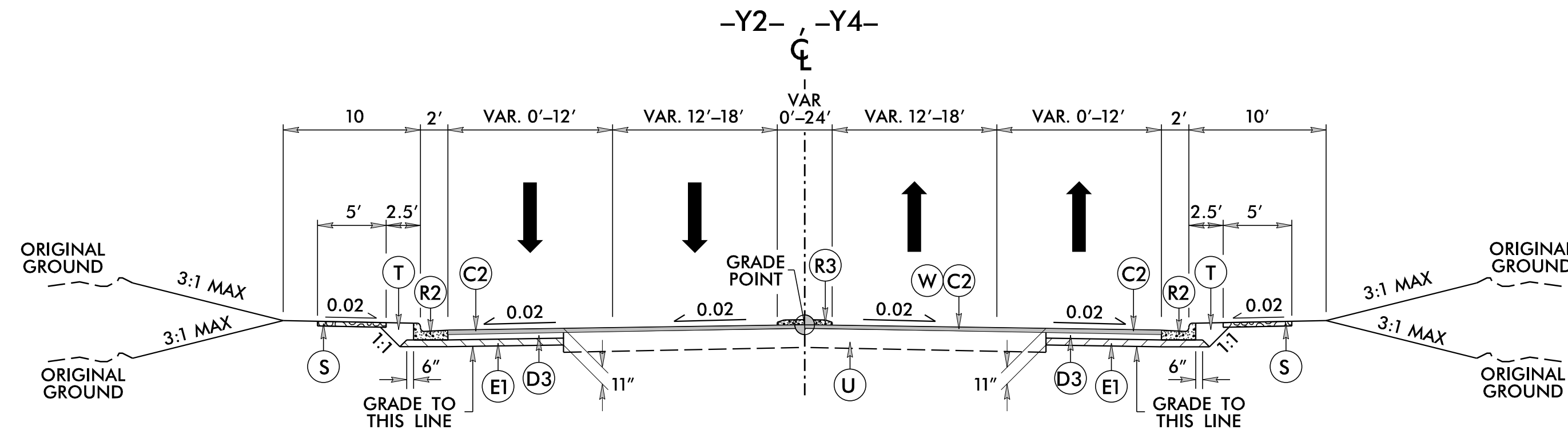
NOTE: TYPICAL SECTIONS SHOWN FOR TANGENT SECTIONS ONLY, SEE PLANS AND STANDARD DRAWINGS FOR SUPERELEVATION DETAILS. SEE PLANS FOR LOCATIONS OF TURN LANES AND INTERSECTIONS.

ALL PAVEMENT SLOPES 1:1 UNLESS NOTED OTHERWISE.

4:1 MAX SLOPE WITHIN ALL INTERCHANGE AREAS.

RUMBLE STRIPS TO BE LOCATED 6" FROM EOT WHERE APPROPRIATE.

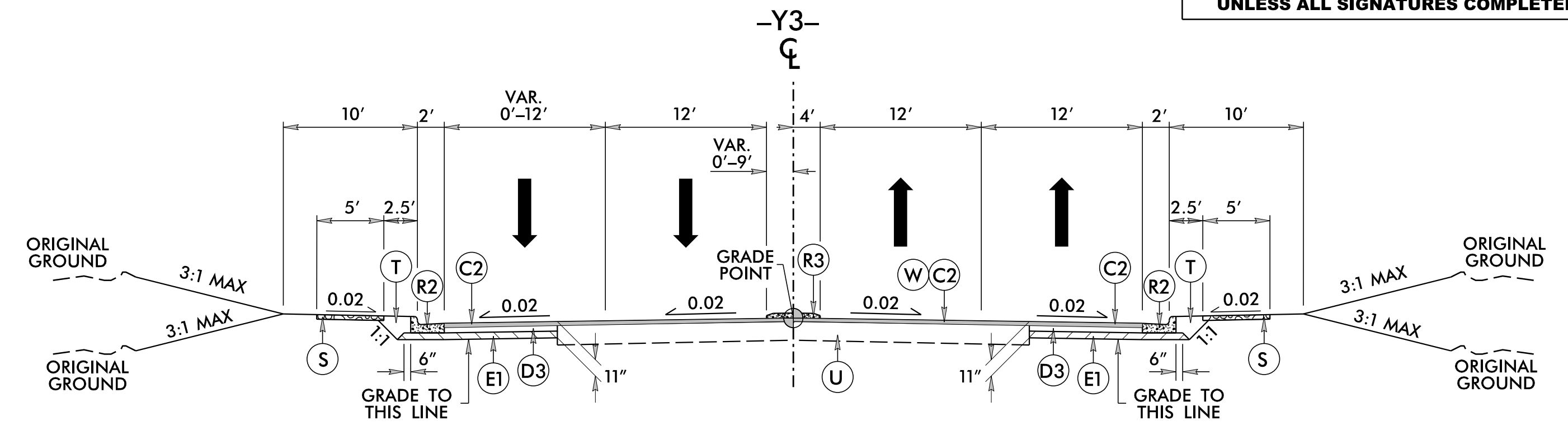
PROJECT REFERENCE NO. U-5713/R-5777 A&B	SHEET NO. 2A-9
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



TYPICAL SECTION NO. 18

-Y2- STA. 14+16.00 TO 17+30.00
 -Y2- STA. 21+25.00 TO 28+70.90
 -Y4- STA. 16+55.00 TO 21+60.00

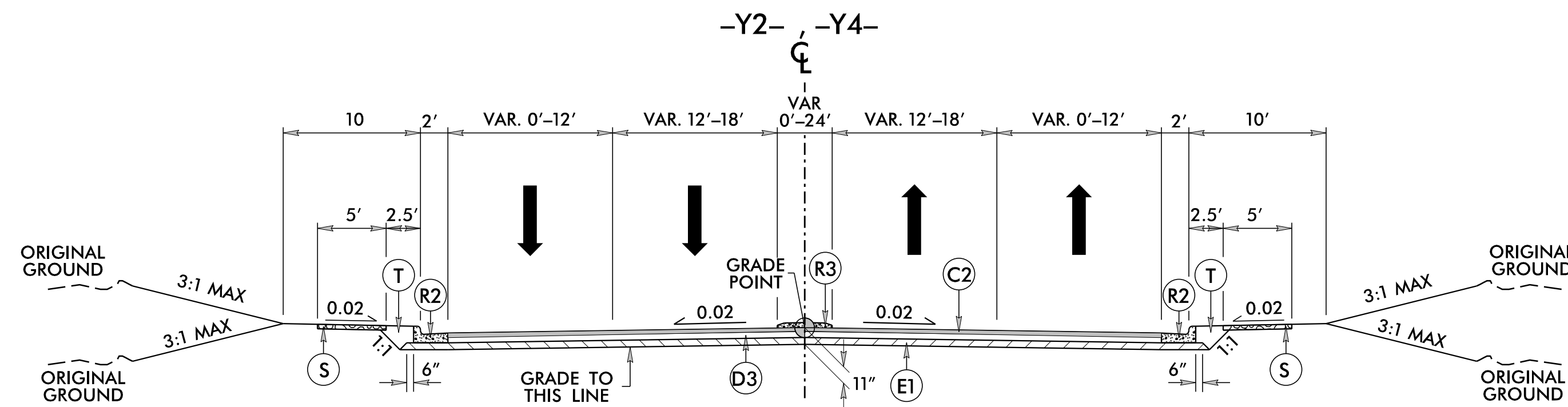
NO SIDEWALK FROM
 -Y2- STA. 14+16.00 TO 15+04.34
 -Y2- STA. 26+79.19 TO 28+70.90
 -Y4- STA. 16+55.00 TO 20+40.00



TYPICAL SECTION NO. 20

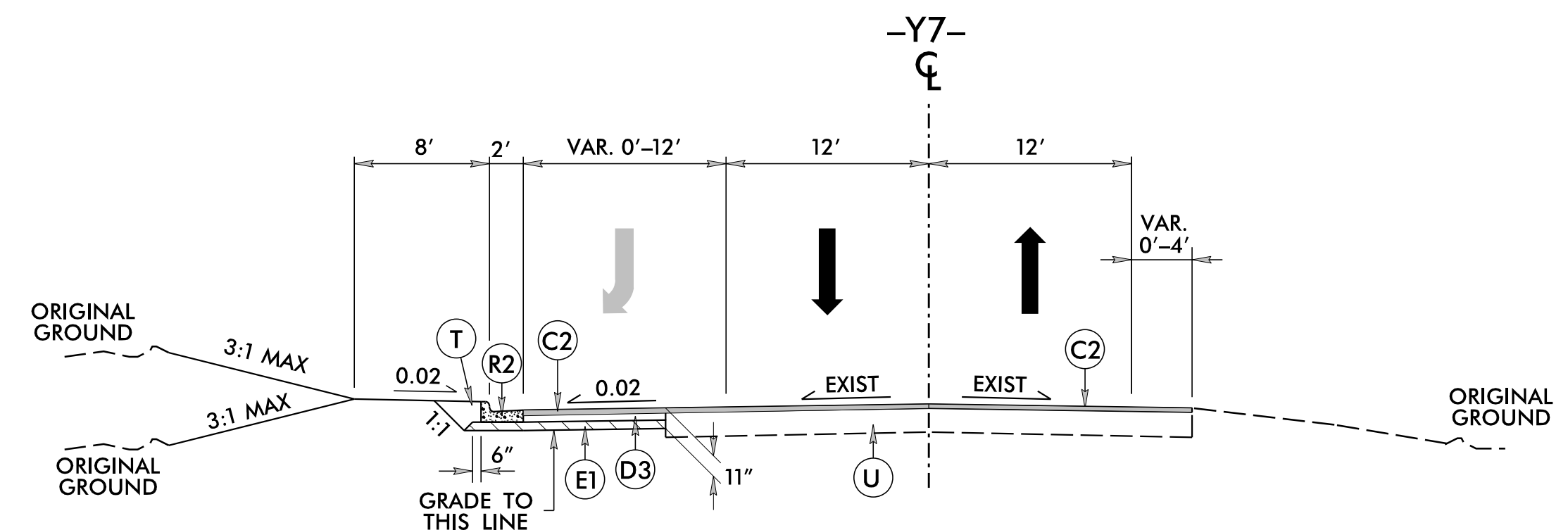
-Y3- STA. 18+13.02 TO 30+76.03

(NO SIDEWALK FROM
 -Y3- STA. 18+13.02 TO 19+50.00)



TYPICAL SECTION NO. 19

-Y2- STA. 17+30.00 TO 21+25.00
 -Y4- STA. 21+60.00 TO 27+33.70



TYPICAL SECTION NO. 21

-Y7- STA. 11+06.99 TO 16+26.05

PAVEMENT SCHEDULE

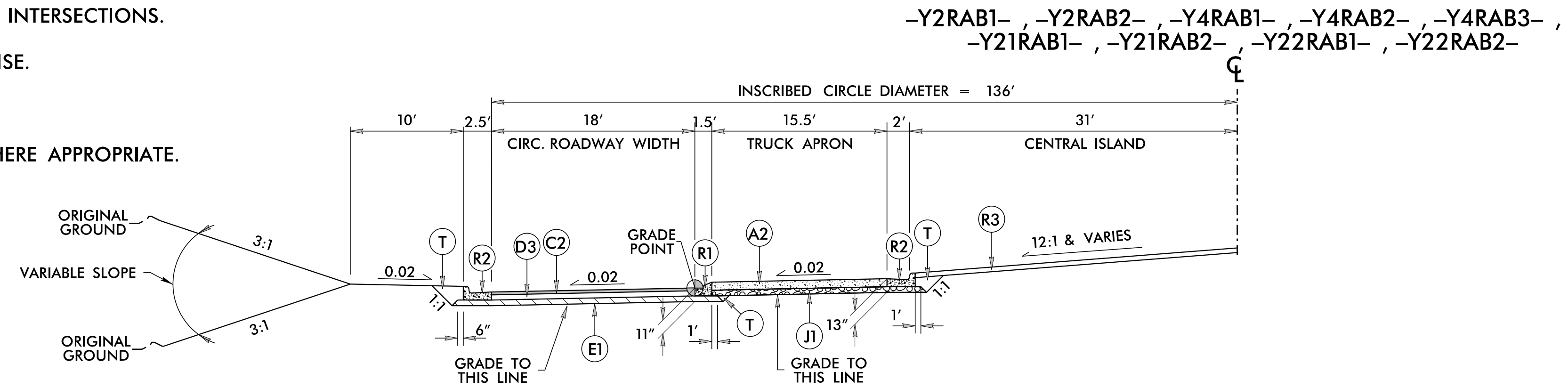
A1	6" JOINTED CONCRETE PAVEMENT	C5	3" SURFACE COURSE TYPE S9.5C	D4	VAR. DEPTH I19.0C	J3	VAR. AGGREGATE BASE COURSE	R5	SINGLE FACED CONC. BARRIER	V1	2.5" MILLING
A2	7" JOINTED CONCRETE TRUCK APRON	C6	VAR. S9.5C	E1	4" BASE COURSE TYPE B25.0C	P	PRIME COAT	R6	SINGLE FACED CONC. BARRIER WITH MOMENT SLAB	V2	VAR. MILLING
C1	2" SURFACE COURSE TYPE S9.5B	C7	1.5" SURFACE COURSE TYPE S9.5B	E2	4.5" BASE COURSE TYPE B25.0C	R1	1'-6" CURB & GUTTER	R7	TYPE T CONC. BARRIER (T, T1, T2)	V3	INCIDENTAL MILLING
C2	3" SURFACE COURSE TYPE S9.5B	D1	2.5" INTER. COURSE TYPE I19.0C	E3	VAR. B25.0C	R2	2'-6" CURB & GUTTER	S	4" CONC. SIDEWALK	W	WEDGING
C3	VAR. S9.5B	D2	3" INTER. COURSE TYPE I19.0C	J1	6" AGGREGATE BASE COURSE	R3	5" MONO. ISLAND (RED COLORED)	T	EARTH MATERIAL	Y	RUMBLE STRIPS
C4	1.5" SURFACE COURSE TYPE S9.5C	D3	4" INTER. COURSE TYPE I19.0C	J2	8" AGGREGATE BASE COURSE	R4	EXPRESSWAY GUTTER	U	EXISTING PAVEMENT		

NOTE: TYPICAL SECTIONS SHOWN FOR TANGENT SECTIONS ONLY, SEE PLANS AND STANDARD DRAWINGS FOR SUPERELEVATION DETAILS. SEE PLANS FOR LOCATIONS OF TURN LANES AND INTERSECTIONS.

ALL PAVEMENT SLOPES 1:1 UNLESS NOTED OTHERWISE.

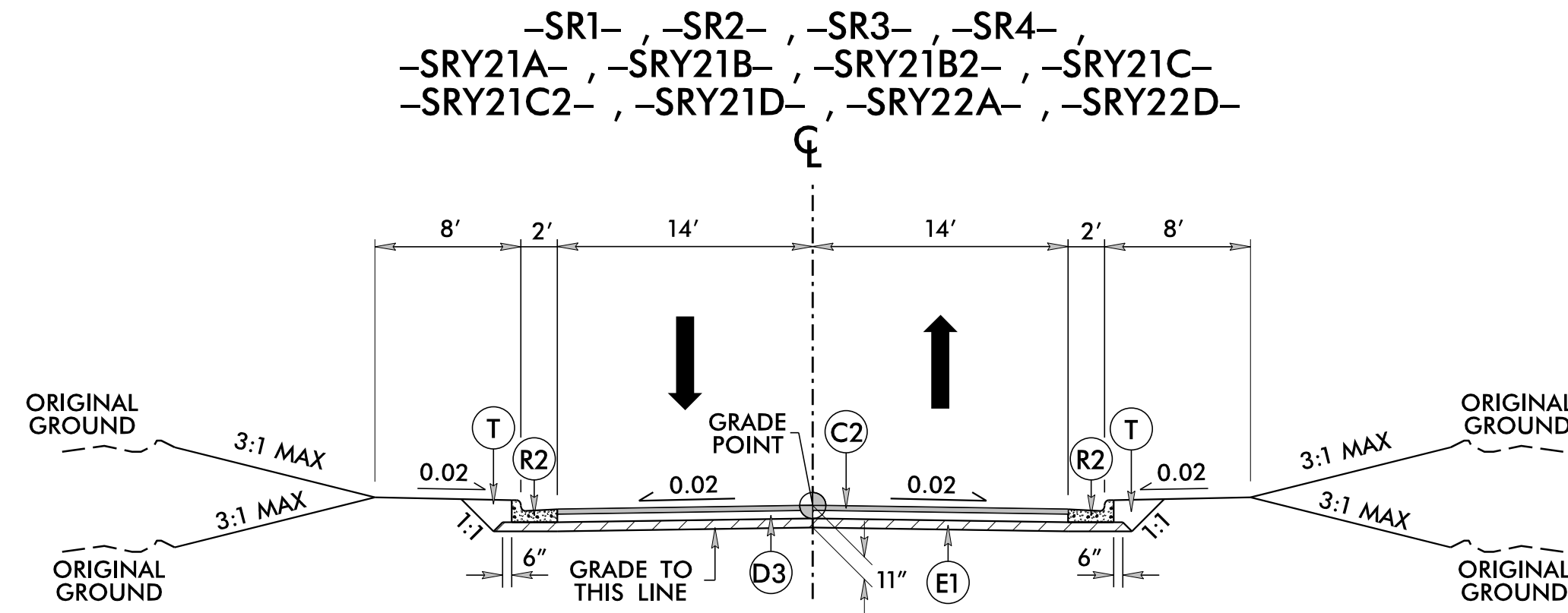
4:1 MAX SLOPE WITHIN ALL INTERCHANGE AREAS.

RUMBLE STRIPS TO BE LOCATED 6" FROM EOT WHERE APPROPRIATE.



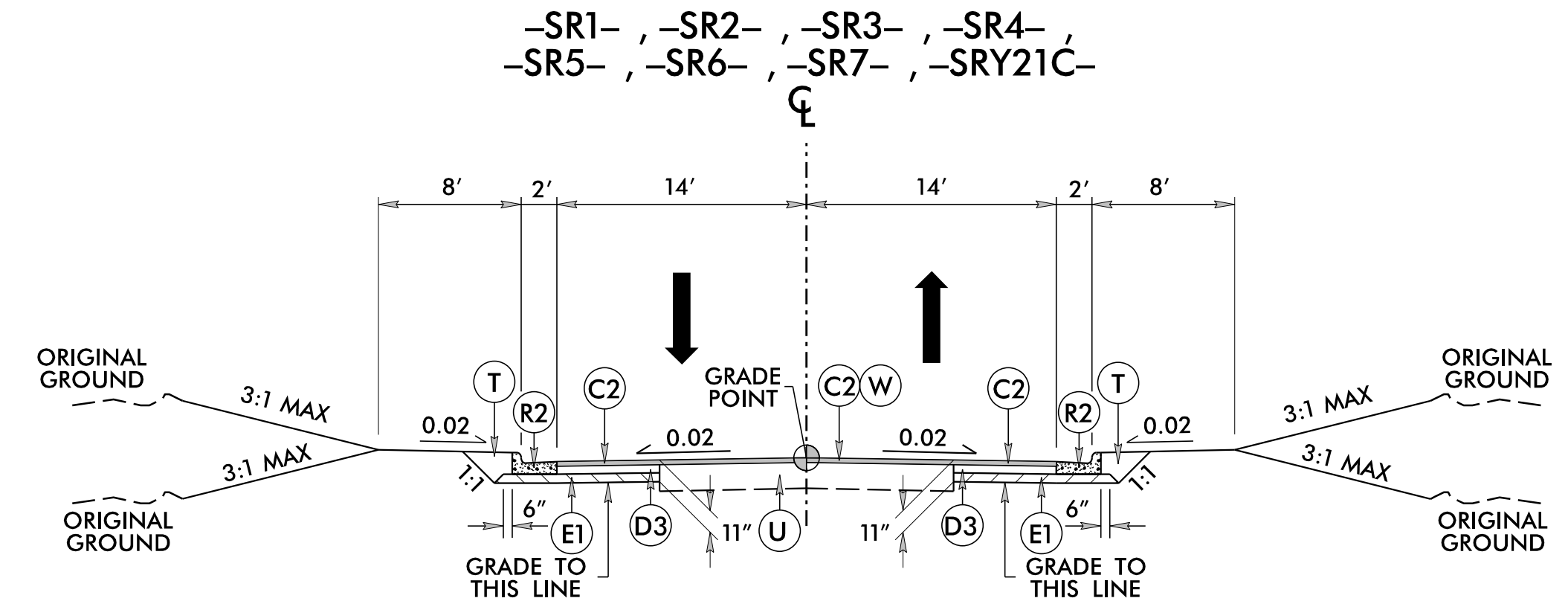
TYPICAL SECTION NO. 22

- Y2RAB1- STA. 10+00.00 TO 13+08.39
- Y2RAB2- STA. 10+00.00 TO 13+12.49
- Y4RAB1- STA. 10+00.00 TO 13+14.16
- Y4RAB2- STA. 10+00.00 TO 13+11.40
- Y4RAB3- STA. 10+00.00 TO 13+11.21
- Y21RAB1- STA. 10+00.00 TO 13+05.40
- Y21RAB2- STA. 10+00.00 TO 13+06.71
- Y22RAB1- STA. 10+00.00 TO 13+13.47
- Y22RAB2- STA. 10+00.00 TO 13+12.06



TYPICAL SECTION NO. 23

- SR1- STA. 35+13.10 TO 45+24.15
- SR2- STA. 10+23.74 TO 21+80.00
- SR2- STA. 42+90.00 TO 54+74.99
- SR3- STA. 10+28.20 TO 18+63.00
- SR3- STA. 31+68.70 TO 38+39.76
- SR4- STA. 10+46.82 TO 17+49.92
- SRY21A- STA. 10+26.93 TO 64+83.00
- SRY21B- STA. 15+00.00 TO 43+18.57
- SRY21B2- STA. 10+14.00 TO 12+00.32
- SRY21C- STA. 12+70.00 TO 21+71.21
- SRY21C- STA. 33+03.73 TO 37+66.30
- SRY21C- STA. 48+36.58 TO 66+54.08
- SRY21C2- STA. 10+14.59 TO 22+41.60
- SRY21D- STA. 10+22.75 TO 38+30.00
- SRY22A- STA. 10+23.03 TO 33+36.45
- SRY22D- STA. 10+16.75 TO 33+42.13



TYPICAL SECTION NO. 24

- SR1- STA. 10+00.00 TO 35+13.10
- SR2- STA. 21+80.00 TO 42+90.00
- SR3- STA. 18+63.00 TO 31+68.70
- SR4- STA. 17+49.92 TO 26+02.84
- SR5- STA. 10+71.45 TO 19+91.74
- SR5- STA. 30+75.62 TO 38+76.85
- SR6- STA. 10+13.79 TO 20+89.04
- SR6- STA. 27+17.91 TO 30+97.52
- SR7- STA. 10+00.00 TO 10+92.08
- SRY21C- STA. 21+71.21 TO 33+03.73
- SRY21C- STA. 37+66.30 TO 48+36.58

* RESURFACING ONLY (1.5" SURFACE COURSE (C7))

- SR5- STA. 19+91.74 TO 30+05.91
- SR6- STA. 20+89.04 TO 27+17.91
- SR7- STA. 10+92.08 TO 30+05.91
- SR10- STA. 12+77.93 TO 28+06.90

PAVEMENT SCHEDULE


A1	6" JOINTED CONCRETE PAVEMENT	C5	3" SURFACE COURSE TYPE S9.5C	D4	VAR. DEPTH I19.0C	J3	VAR. AGGREGATE BASE COURSE	R5	SINGLE FACED CONC. BARRIER	V1	2.5" MILLING
A2	7" JOINTED CONCRETE TRUCK APRON	C6	VAR. S9.5C	E1	4" BASE COURSE TYPE B25.0C	P	PRIME COAT	R6	SINGLE FACED CONC. BARRIER WITH MOMENT SLAB	V2	VAR. MILLING
C1	2" SURFACE COURSE TYPE S9.5B	C7	1.5" SURFACE COURSE TYPE S9.5B	E2	4.5" BASE COURSE TYPE B25.0C	R1	1'-6" CURB & GUTTER	R7	TYPE T CONC. BARRIER (T, T1, T2)	V3	INCIDENTAL MILLING
C2	3" SURFACE COURSE TYPE S9.5B	D1	2.5" INTER. COURSE TYPE I19.0C	E3	VAR. B25.0C	R2	2'-6" CURB & GUTTER	S	4" CONC. SIDEWALK	W	WEDGING
C3	VAR. S9.5B	D2	3" INTER. COURSE TYPE I19.0C	J1	6" AGGREGATE BASE COURSE	R3	5" MONO. ISLAND (RED COLORED)	T	EARTH MATERIAL	Y	RUMBLE STRIPS
C4	1.5" SURFACE COURSE TYPE S9.5C	D3	4" INTER. COURSE TYPE I19.0C	J2	8" AGGREGATE BASE COURSE	R4	EXPRESSWAY GUTTER	U	EXISTING PAVEMENT		

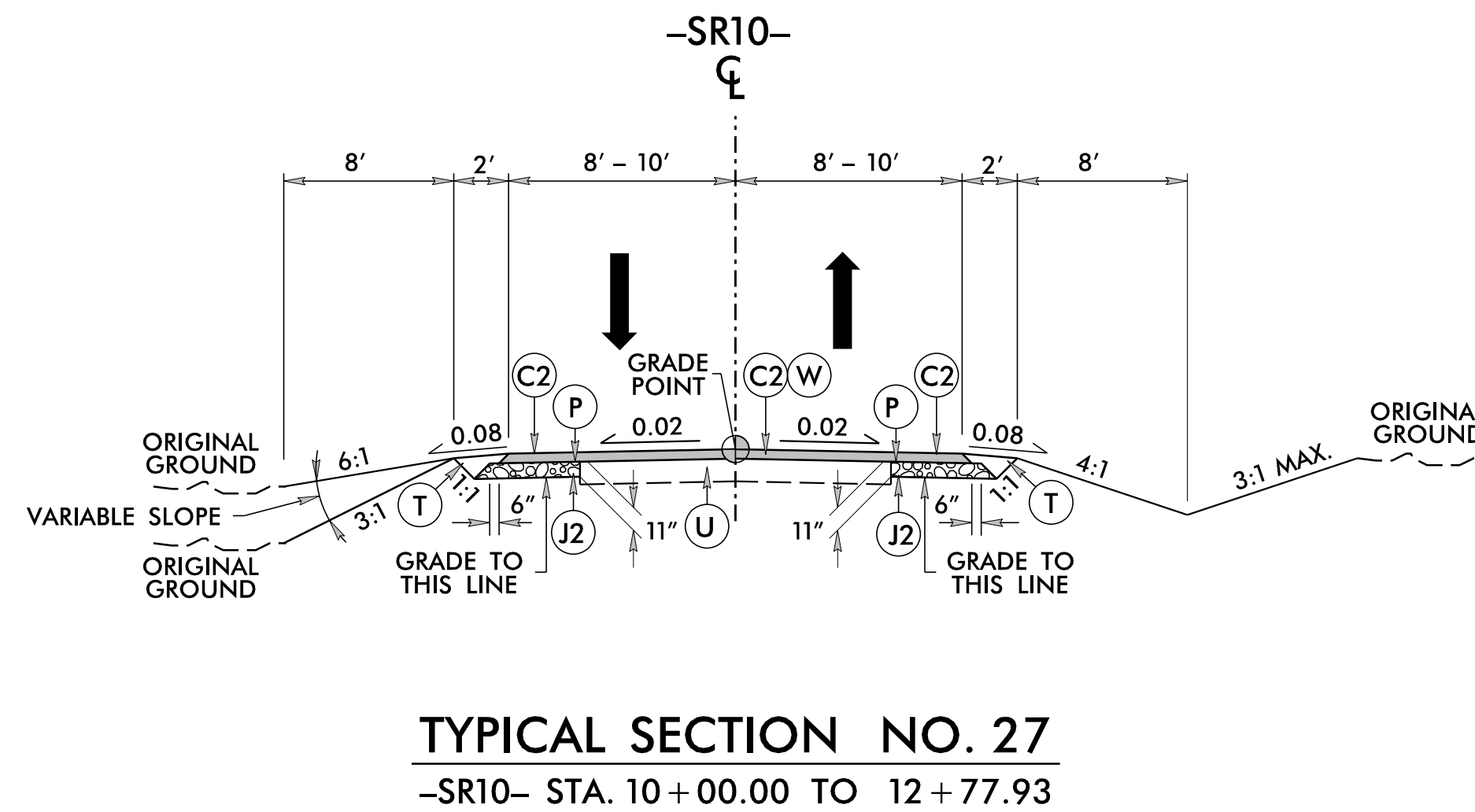
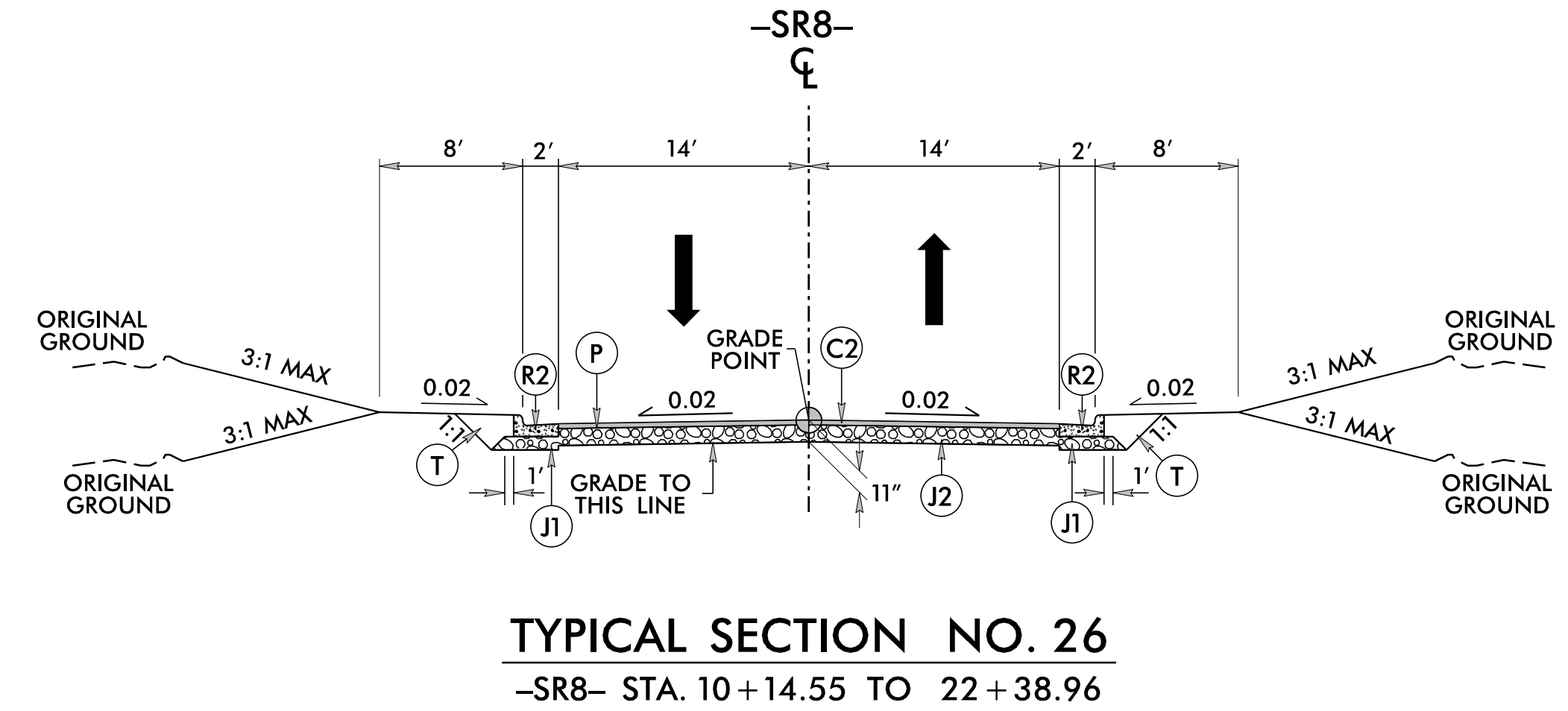
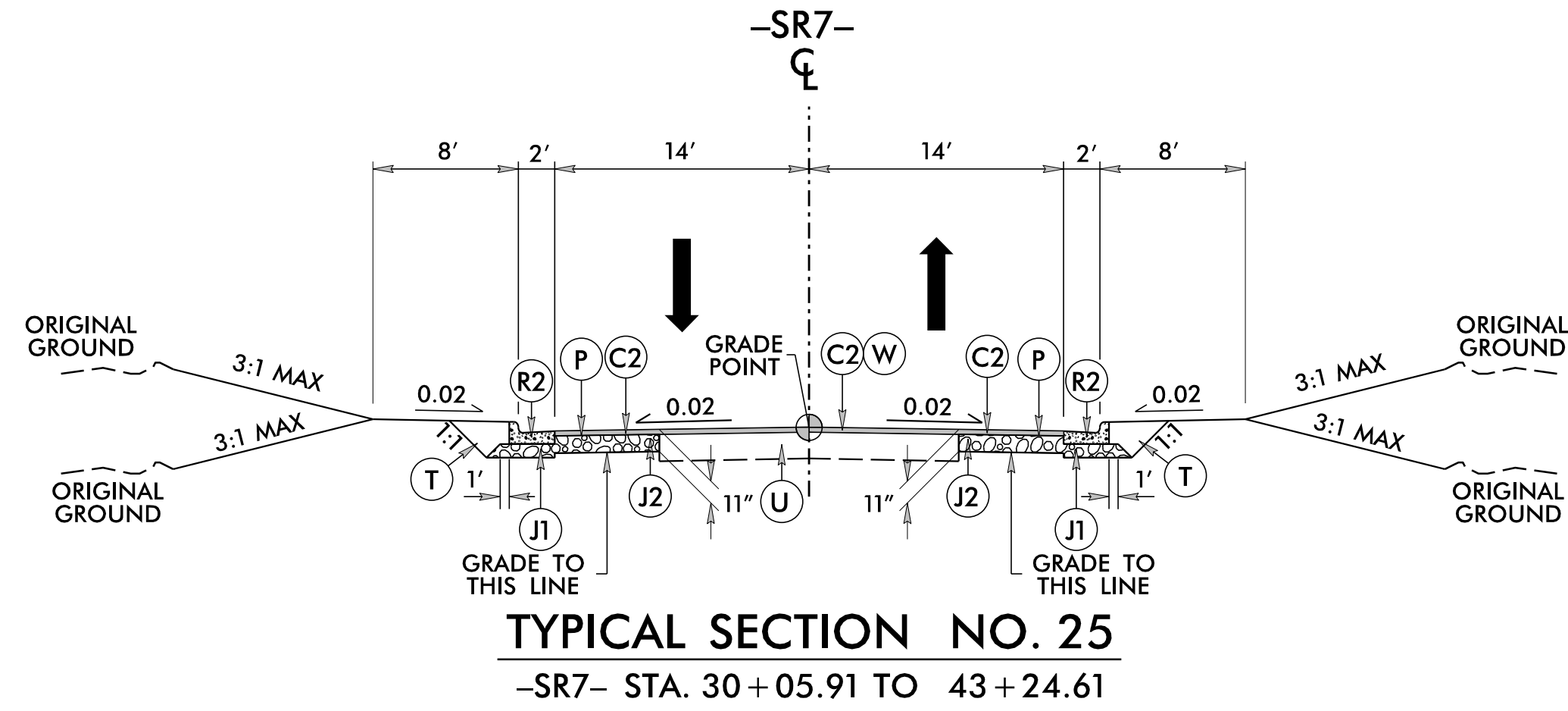
NOTE: TYPICAL SECTIONS SHOWN FOR TANGENT SECTIONS ONLY,
SEE PLANS AND STANDARD DRAWINGS FOR SUPERELEVATION DETAILS.
SEE PLANS FOR LOCATIONS OF TURN LANES AND INTERSECTIONS.

ALL PAVEMENT SLOPES 1:1 UNLESS NOTED OTHERWISE.

4:1 MAX SLOPE WITHIN ALL INTERCHANGE AREAS.

RUMBLE STRIPS TO BE LOCATED 6" FROM EOT WHERE APPROPRIATE.

PROJECT REFERENCE NO. U-5713/R-5777 A&B	SHEET NO. 2A-11
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



* RESURFACING ONLY (1.5" SURFACE COURSE (C7))
-SR10- STA. 12+77.93 TO 28+06.90

PAVEMENT SCHEDULE

A1	6" JOINTED CONCRETE PAVEMENT	C5	3" SURFACE COURSE TYPE S9.5C	D4	VAR. DEPTH I19.0C	J3	VAR. AGGREGATE BASE COURSE	R5	SINGLE FACED CONC. BARRIER	V1	2.5" MILLING
A2	7" JOINTED CONCRETE TRUCK APRON	C6	VAR. S9.5C	E1	4" BASE COURSE TYPE B25.0C	P	PRIME COAT	R6	SINGLE FACED CONC. BARRIER WITH MOMENT SLAB	V2	VAR. MILLING
C1	2" SURFACE COURSE TYPE S9.5B	C7	1.5" SURFACE COURSE TYPE S9.5B	E2	4.5" BASE COURSE TYPE B25.0C	R1	1'-6" CURB & GUTTER	R7	TYPE T CONC. BARRIER (T,T1,T2)	V3	INCIDENTAL MILLING
C2	3" SURFACE COURSE TYPE S9.5B	D1	2.5" INTER. COURSE TYPE I19.0C	E3	VAR. B25.0C	R2	2'-6" CURB & GUTTER	S	4" CONC. SIDEWALK	W	WEDGING
C3	VAR. S9.5B	D2	3" INTER. COURSE TYPE I19.0C	J1	6" AGGREGATE BASE COURSE	R3	5" MONO. ISLAND (RED COLORED)	T	EARTH MATERIAL	Y	RUMBLE STRIPS
C4	1.5" SURFACE COURSE TYPE S9.5C	D3	4" INTER. COURSE TYPE I19.0C	J2	8" AGGREGATE BASE COURSE	R4	EXPRESSWAY GUTTER	U	EXISTING PAVEMENT		

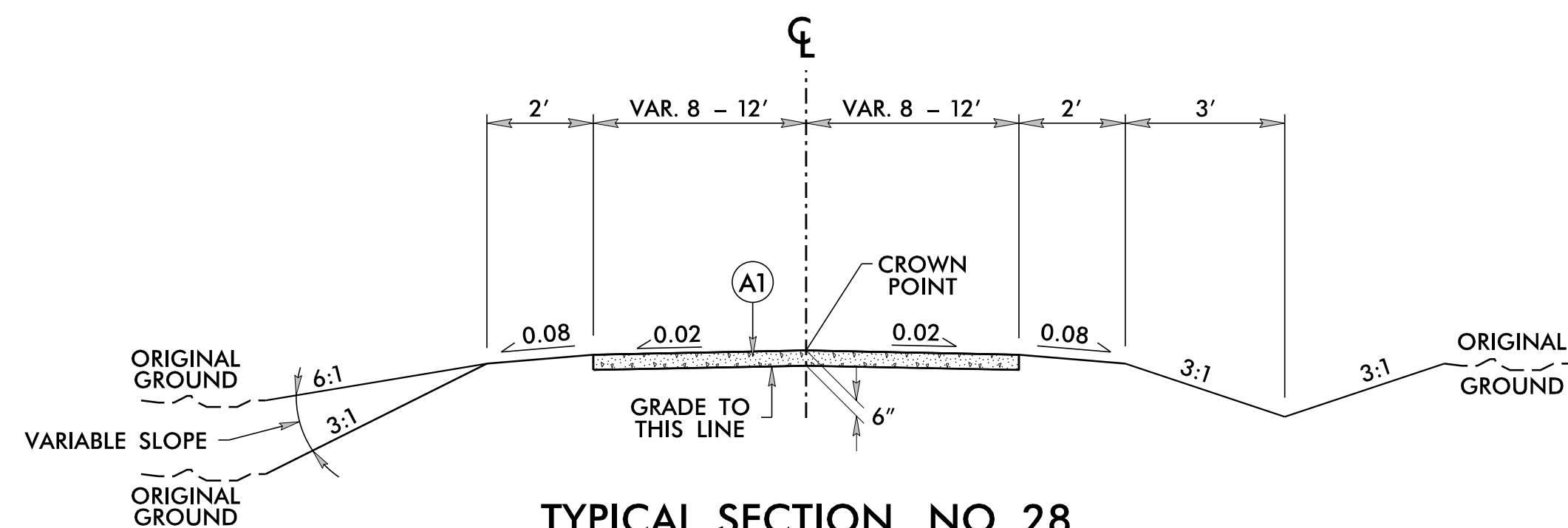
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NOTE: TYPICAL SECTIONS SHOWN FOR TANGENT SECTIONS ONLY, SEE PLANS AND STANDARD DRAWINGS FOR SUPERELEVATION DETAILS. SEE PLANS FOR LOCATIONS OF TURN LANES AND INTERSECTIONS.

ALL PAVEMENT SLOPES 1:1 UNLESS NOTED OTHERWISE.

4:1 MAX SLOPE WITHIN ALL INTERCHANGE AREAS.

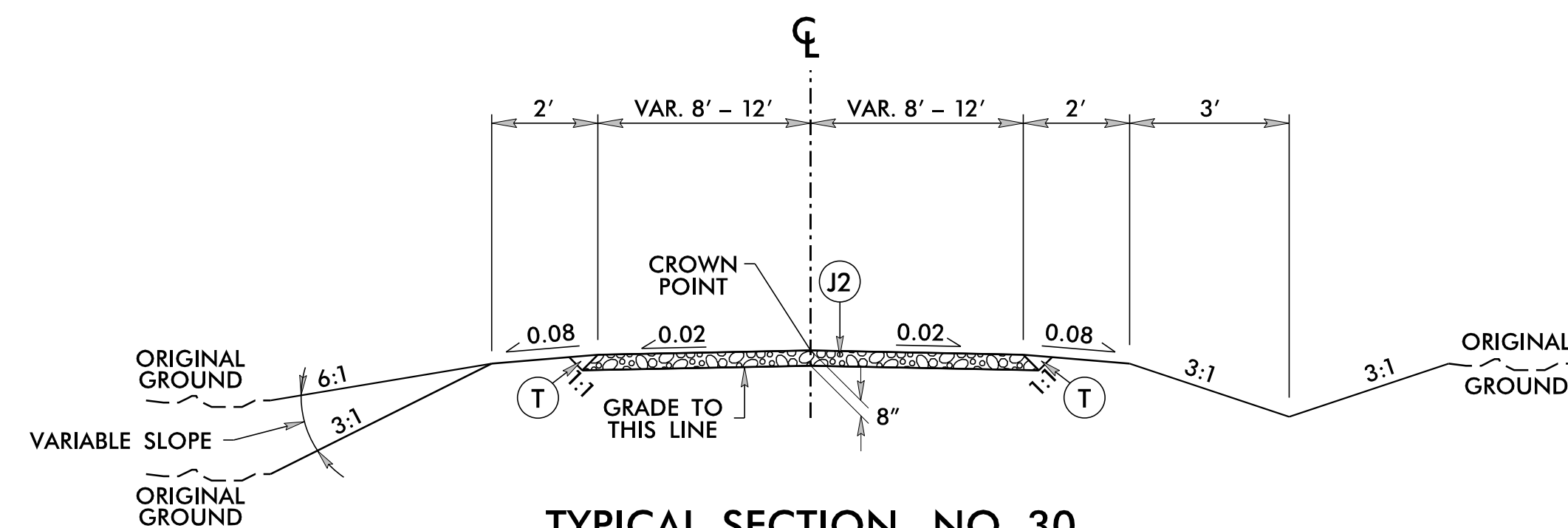
RUMBLE STRIPS TO BE LOCATED 6" FROM EOT WHERE APPROPRIATE.



TYPICAL SECTION NO. 28

NOTE: SEE PLANS FOR LOCATION OF CONCRETE DRIVEWAYS

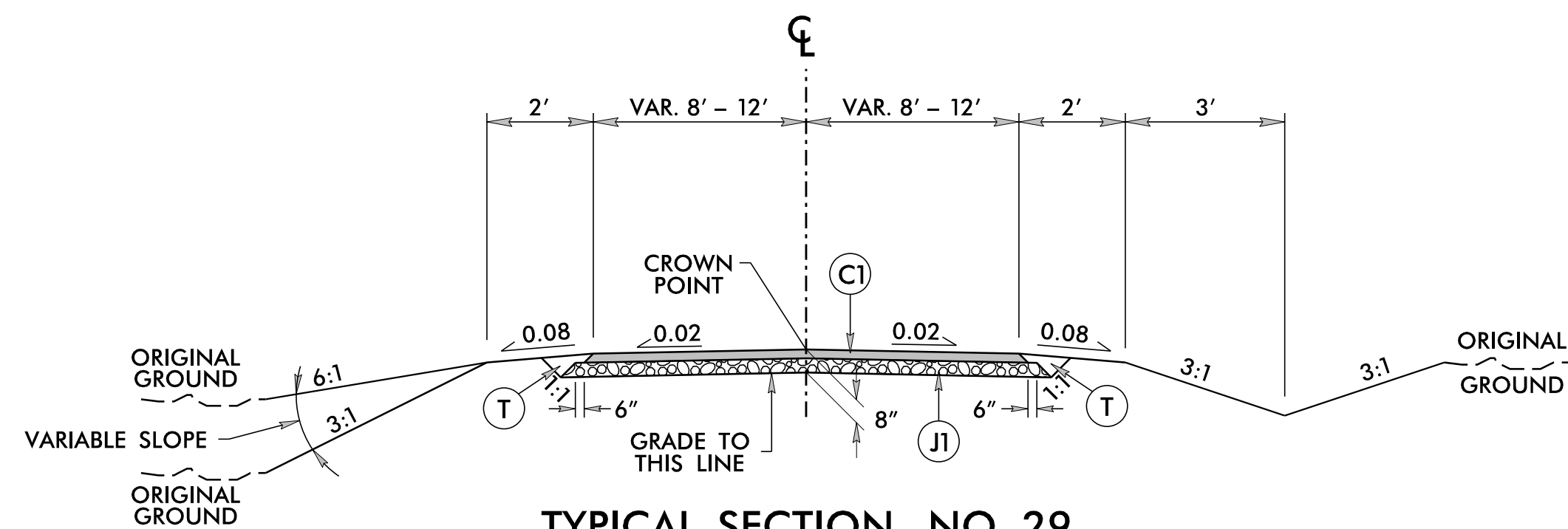
NOTE: EXISTING CONCRETE DRIVEWAYS
 **NOTE: WIDTH AT TURNOUT VARIES TO EXISTING



TYPICAL SECTION NO. 30

NOTE: SEE PLANS FOR LOCATION OF GRAVEL DRIVEWAYS

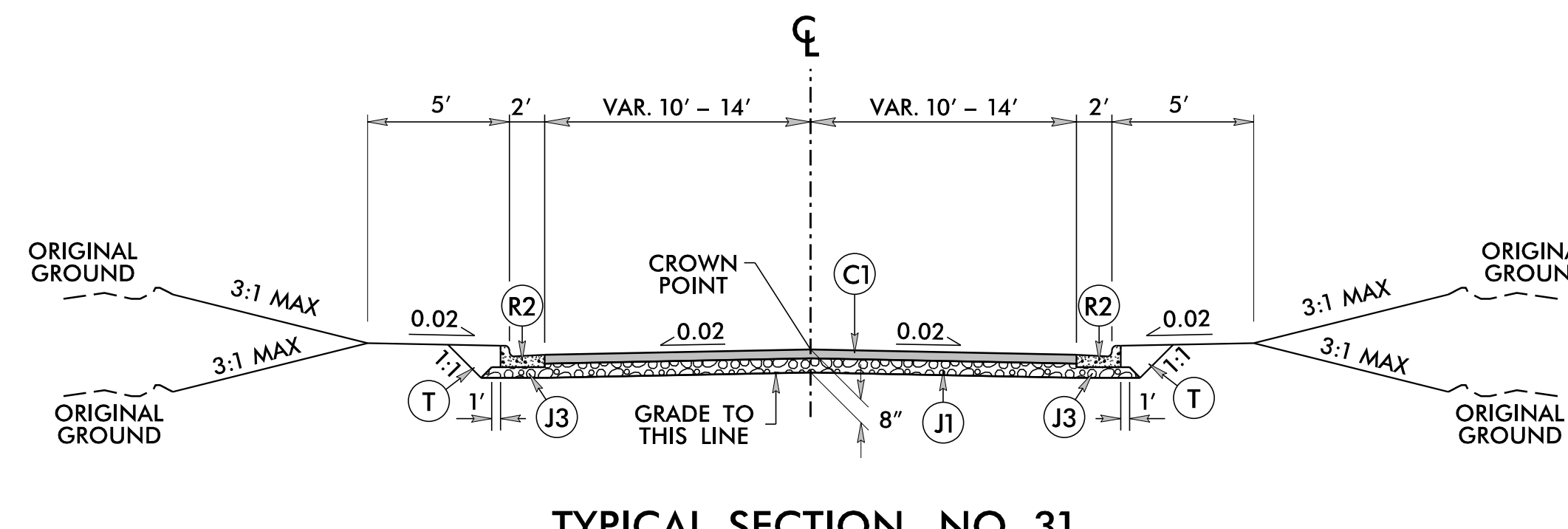
**NOTE: WIDTH AT TURNOUT VARIES TO EXISTING



TYPICAL SECTION NO. 29

NOTE: SEE PLANS FOR LOCATION OF ASPHALT DRIVEWAYS

**NOTE: WIDTH AT TURNOUT VARIES TO EXISTING




TYPICAL SECTION NO. 31

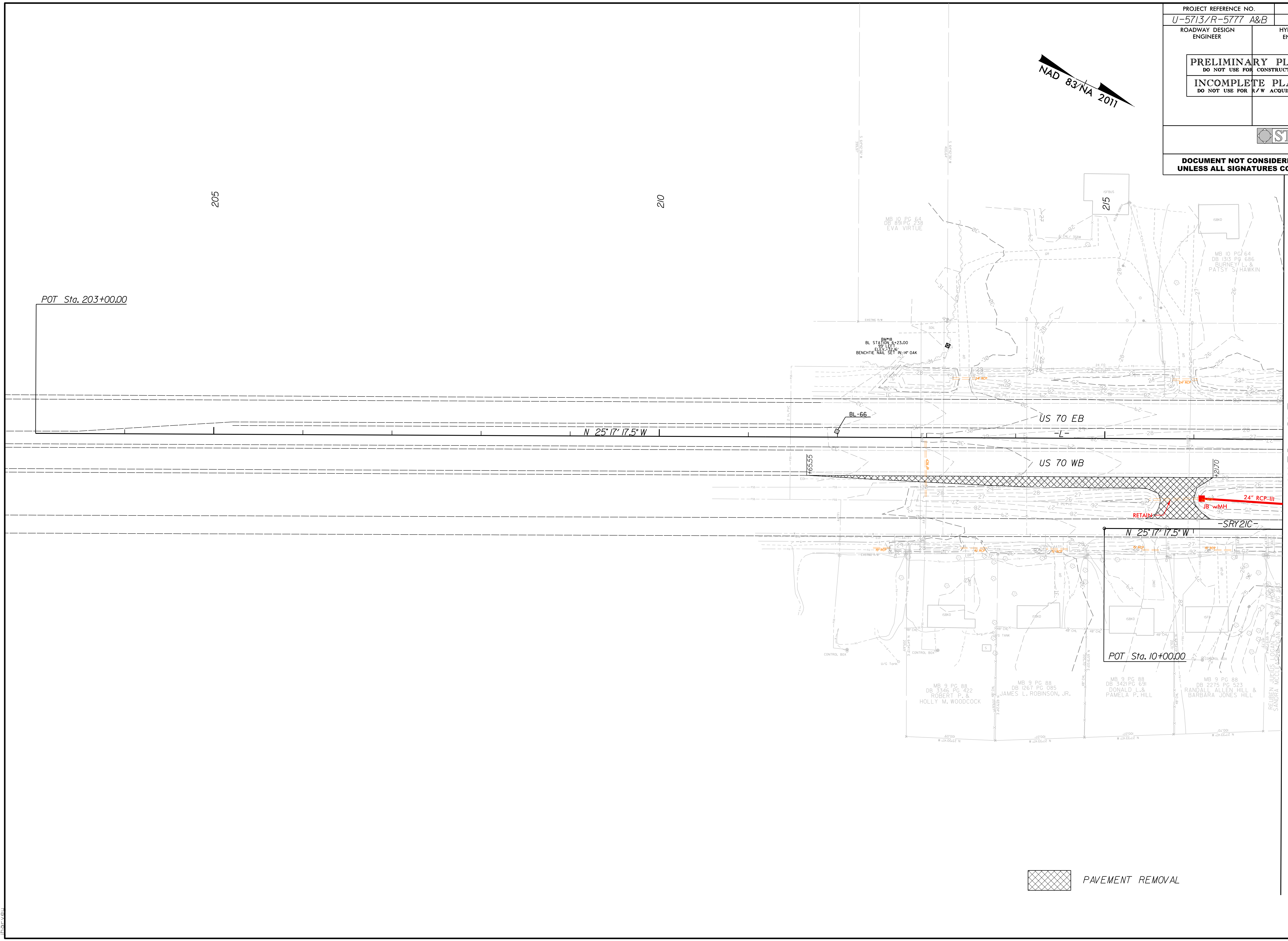
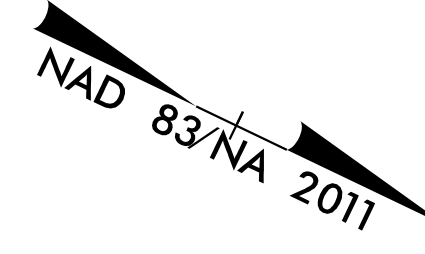
NOTE: SEE PLANS FOR LOCATION OF ASPHALT DRIVEWAYS

**NOTE: WIDTH AT TURNOUT VARIES TO EXISTING

PAVEMENT SCHEDULE

A1	6" JOINTED CONCRETE PAVEMENT	C5	3" SURFACE COURSE TYPE S9.5C	D4	VAR. DEPTH I19.0C	J3	VAR. AGGREGATE BASE COURSE	R5	SINGLE FACED CONC. BARRIER	V1	2.5" MILLING
A2	7" JOINTED CONCRETE TRUCK APRON	C6	VAR. S9.5C	E1	4" BASE COURSE TYPE B25.0C	P	PRIME COAT	R6	SINGLE FACED CONC. BARRIER WITH MOMENT SLAB	V2	VAR. MILLING
C1	2" SURFACE COURSE TYPE S9.5B	C7	1.5" SURFACE COURSE TYPE S9.5B	E2	4.5" BASE COURSE TYPE B25.0C	R1	1'-6" CURB & GUTTER	R7	TYPE T CONC. BARRIER (T, T1, T2)	V3	INCIDENTAL MILLING
C2	3" SURFACE COURSE TYPE S9.5B	D1	2.5" INTER. COURSE TYPE I19.0C	E3	VAR. B25.0C	R2	2'-6" CURB & GUTTER	S	4" CONC. SIDEWALK	W	WEDGING
C3	VAR. S9.5B	D2	3" INTER. COURSE TYPE I19.0C	J1	6" AGGREGATE BASE COURSE	R3	5" MONO. ISLAND (RED COLORED)	T	EARTH MATERIAL	Y	RUMBLE STRIPS
C4	1.5" SURFACE COURSE TYPE S9.5C	D3	4" INTER. COURSE TYPE I19.0C	J2	8" AGGREGATE BASE COURSE	R4	EXPRESSWAY GUTTER	U	EXISTING PAVEMENT		

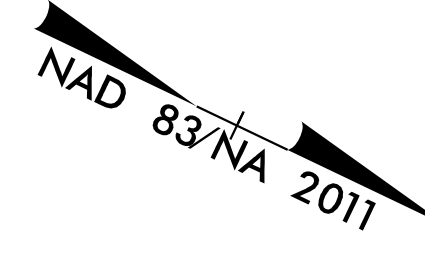
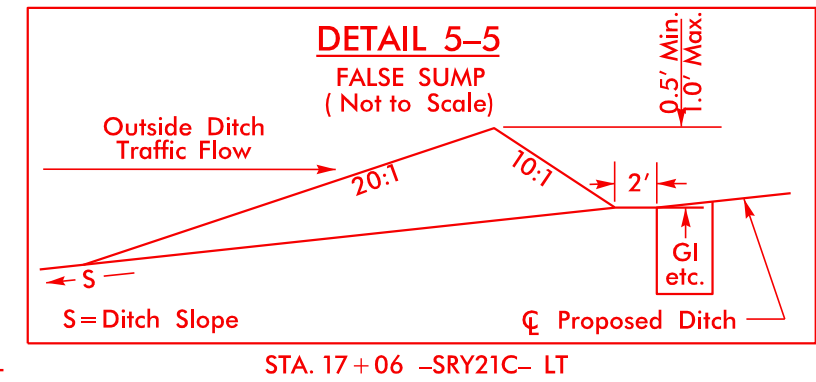
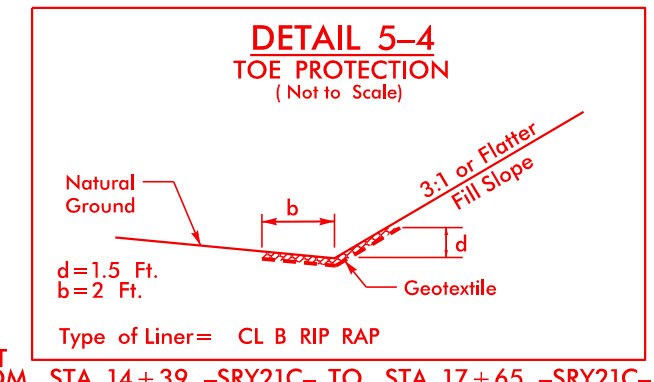
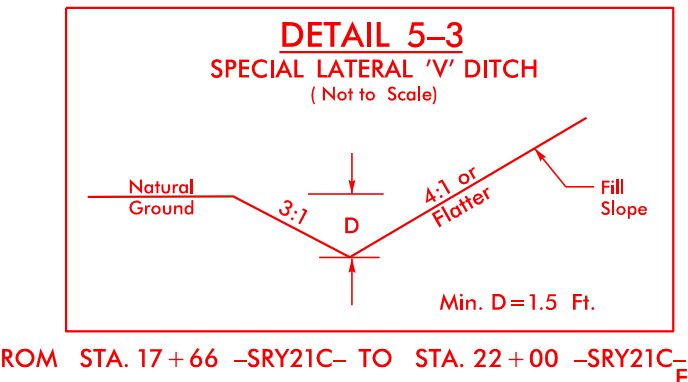
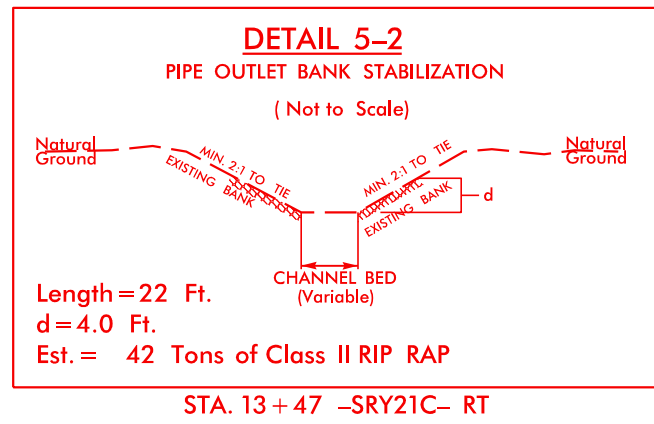
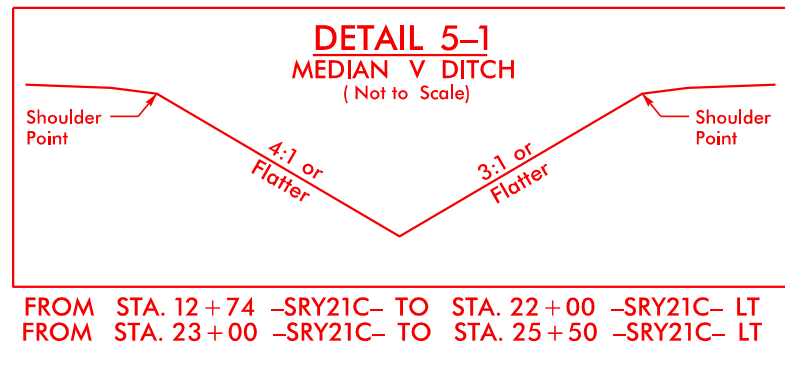
PROJECT REFERENCE NO. U-5713/R-5777 A&B	SHEET NO. 4
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



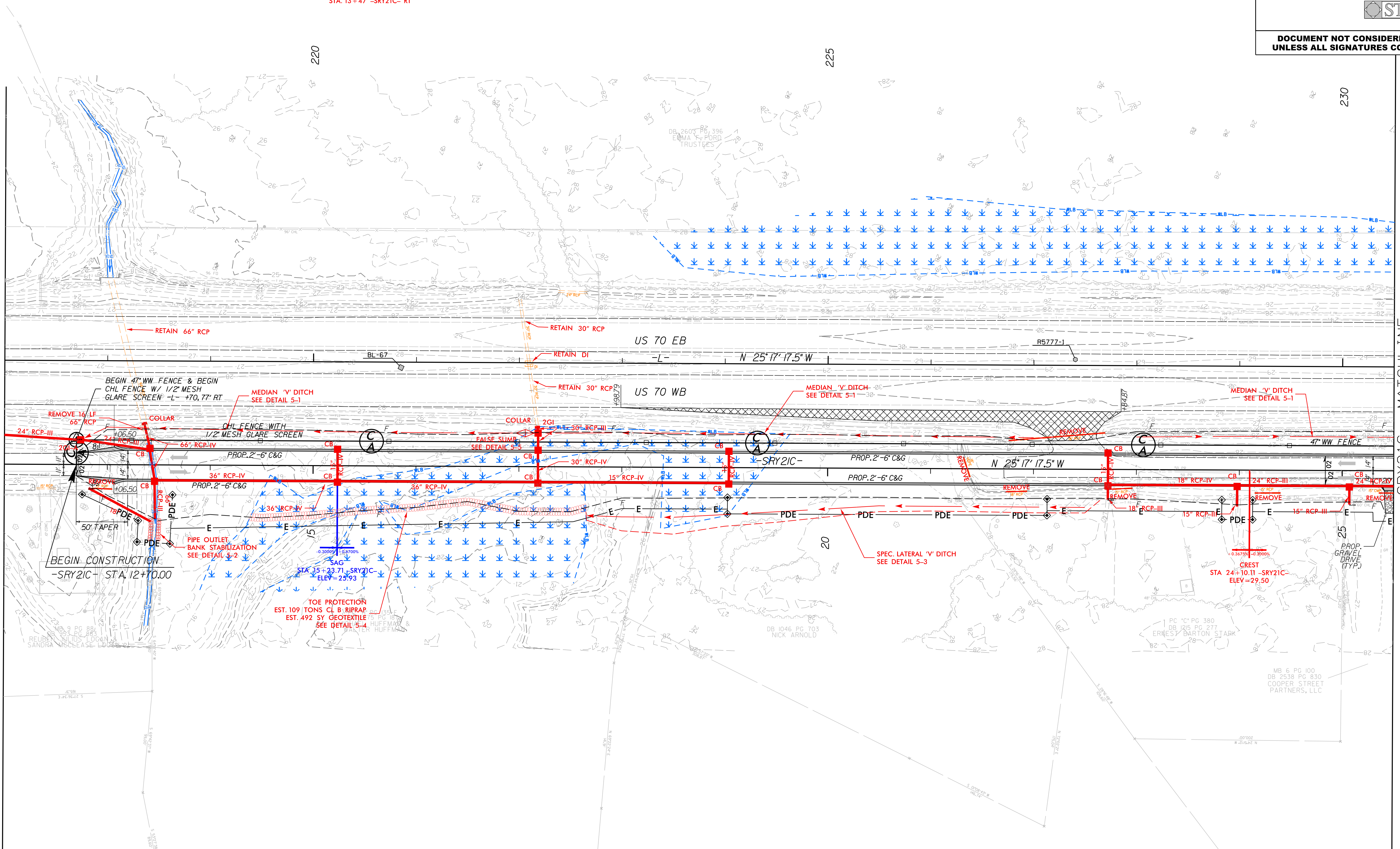
MATCHLINE
-L- STA 217+00 SEE SHEET 4

 PAVEMENT REMOVAL

12/30/2019
15:57:13
R0777_Hyd_PSH_04.dgn
D:\VEN



MATCHLINE -L- STA 217+00 SEE SHEET 4

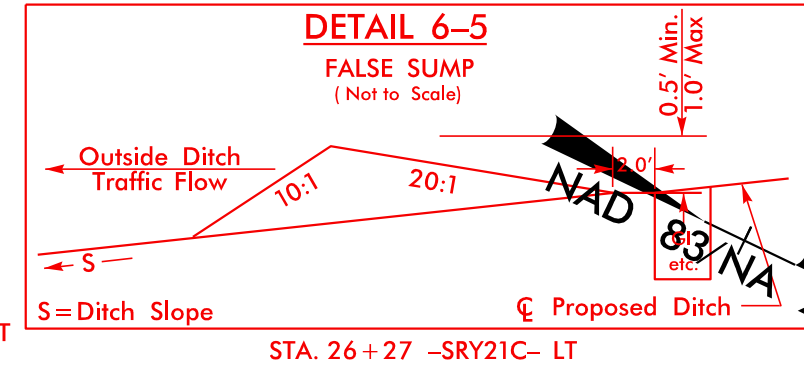
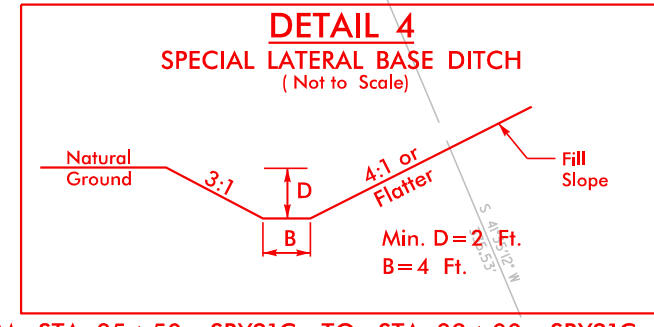
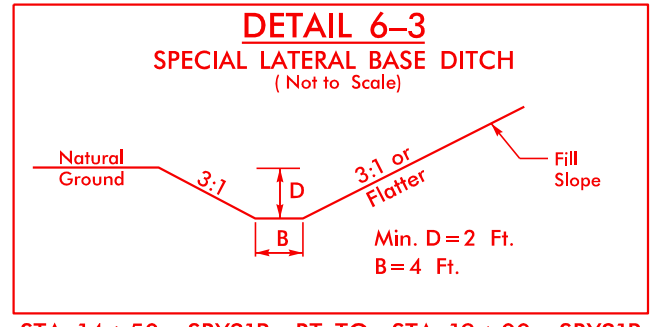
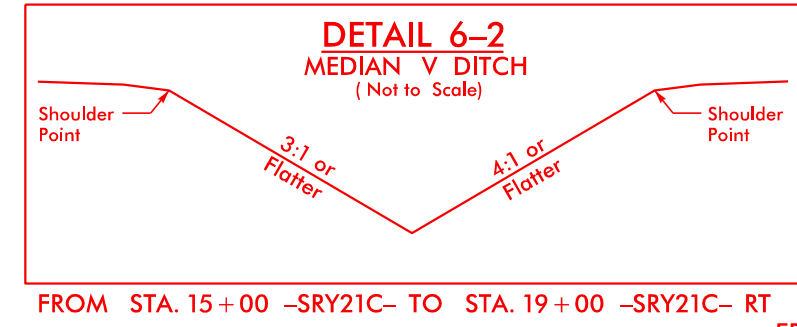
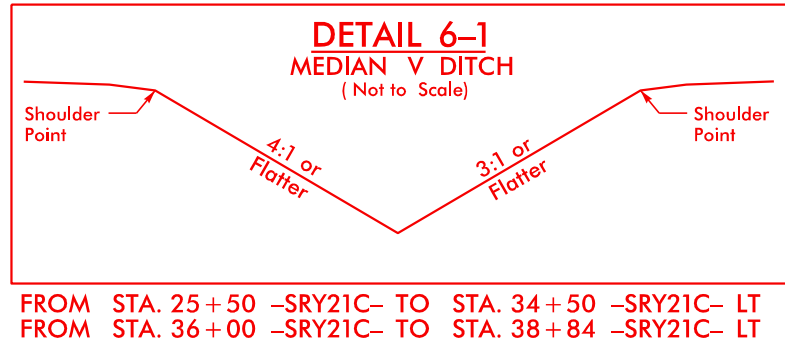


MATCHLINE -SR21C- STA 25+50-L- STA 230+50 SEE SHEET 6

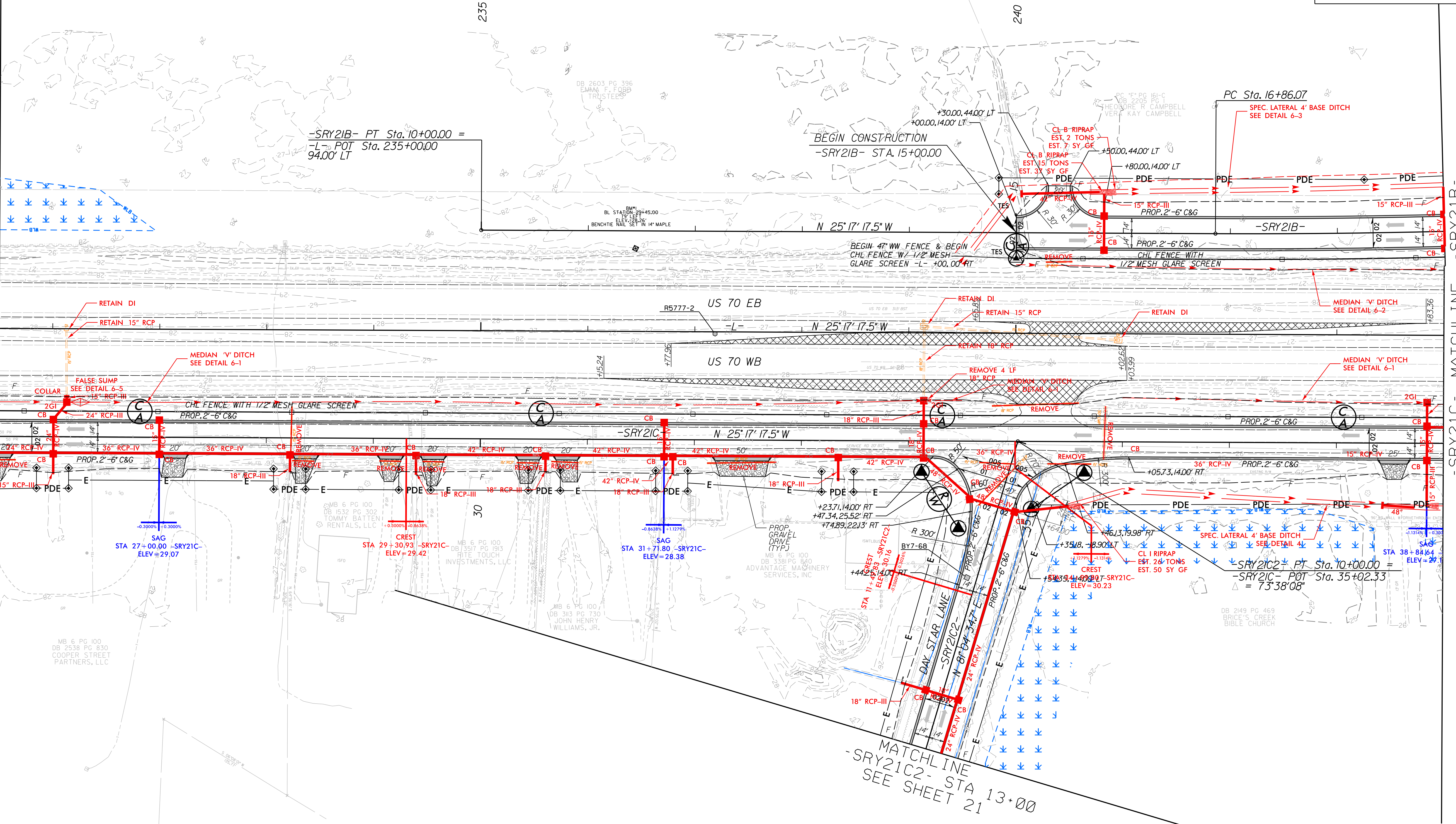
PAVEMENT REMOVAL

FOR -SR21C- PROFILE SEE SHEET 68
SEE SHEET 3A-1 TO 3A-3 FOR CURVE DATA

12/30/2019 10:57:13 AM U-5713-R-5777-Hyd.PSH-05.dgn



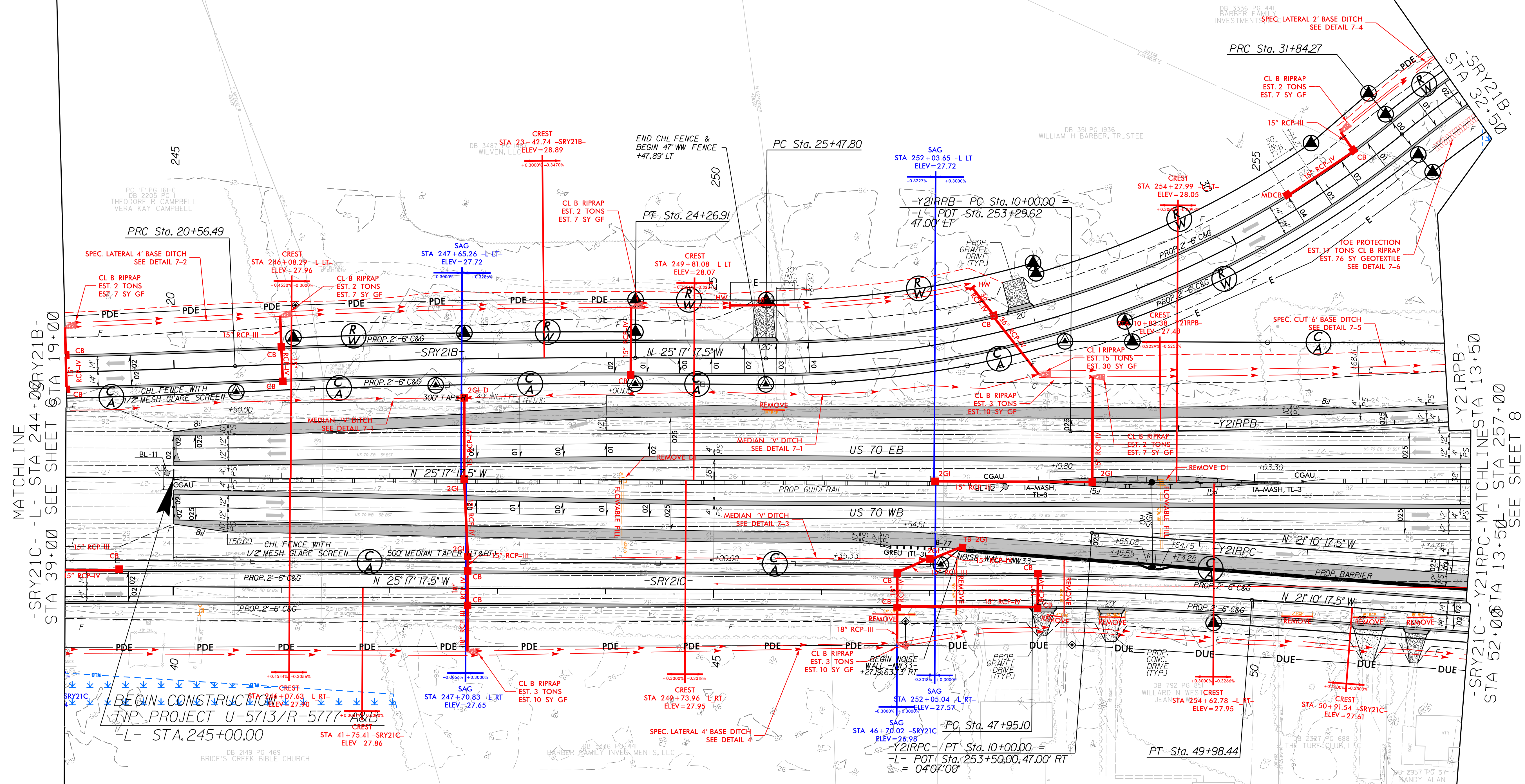
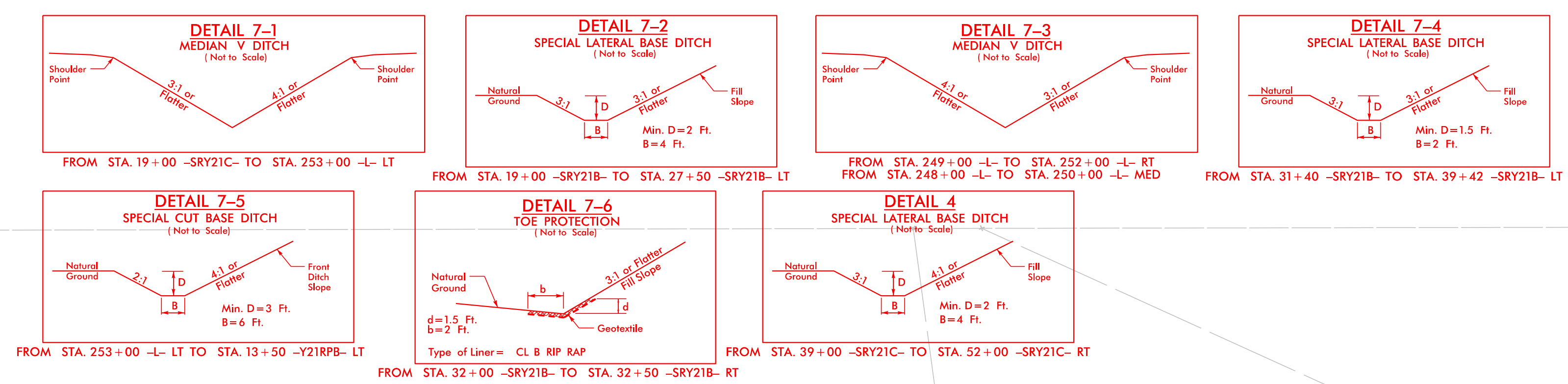
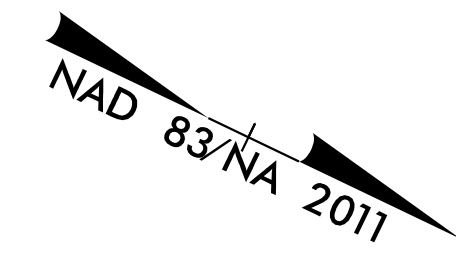
MATCHLINE -L- STA 230+50 SEE SHEET 5



MATCHLINE -SR21B- STA 244+00 SEE SHEET 7

PAVEMENT REMOVAL

FOR -SR21B- PROFILE SEE SHEETS 66
FOR -SR21C- PROFILE SEE SHEET 68
FOR -SR21C2- PROFILE SEE SHEET 670
SEE SHEET 3A-1 TO 3A-3 FOR CURVE DATA
XREF -SR21B- CURVE DATA

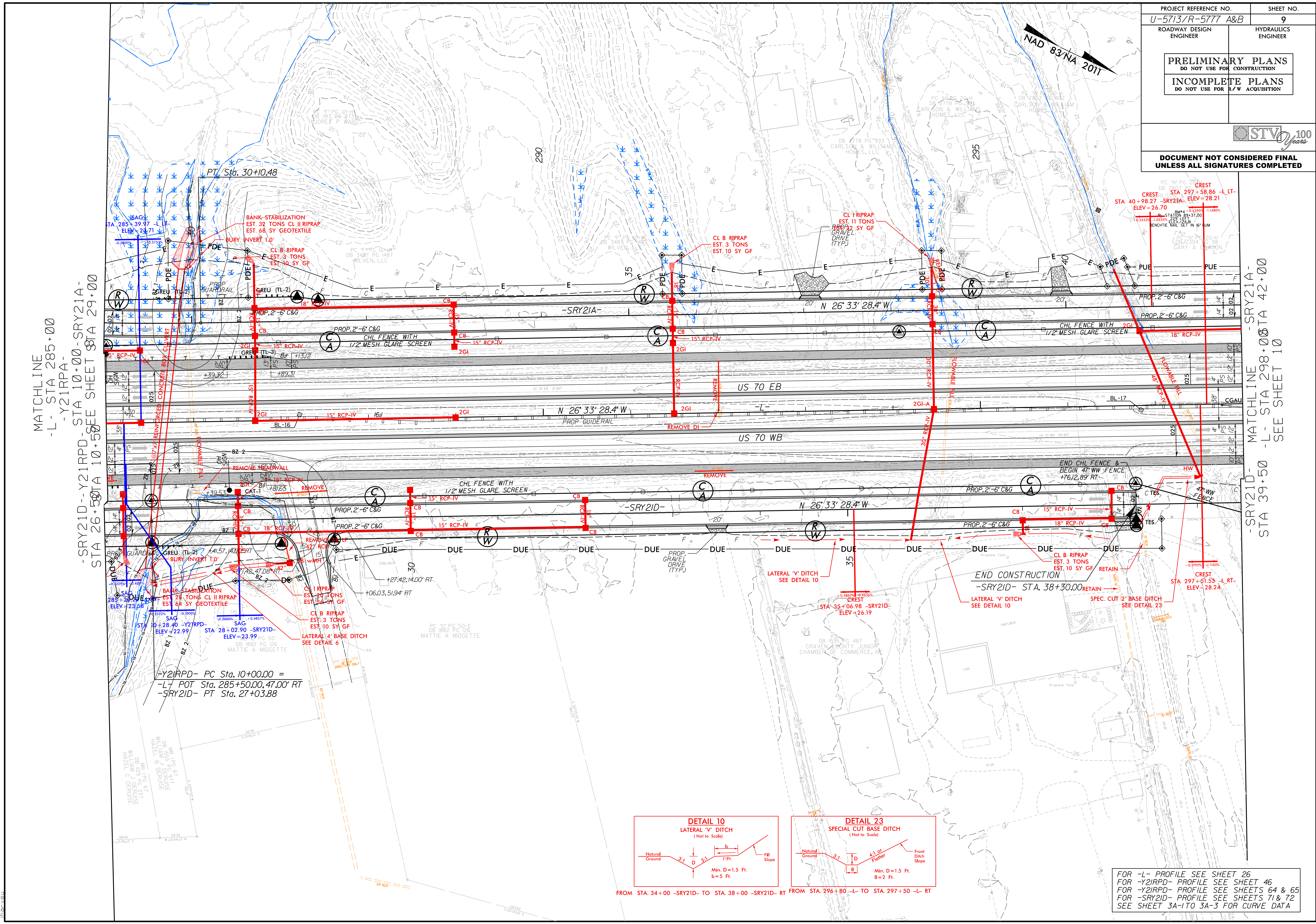


MATCHLINE -L- STA 244+00 -SR21B- STA 19+00
 STA 39+00 SEE SHEET 6

-Y21RPB- STA 13+50
 STA 52+00 -L- STA 257+00
 SEE SHEET 8

FOR -L- PROFILE SEE SHEET 23
 FOR -Y21RPB- PROFILE SEE SHEETS 44
 FOR -Y21RPC- PROFILE SEE SHEETS 45
 FOR -SR21B- PROFILE SEE SHEETS 66
 FOR -SR21C- PROFILE SEE SHEETS 68 & 69
 SEE SHEET 3A-1 TO 3A-3 FOR CURVE DATA

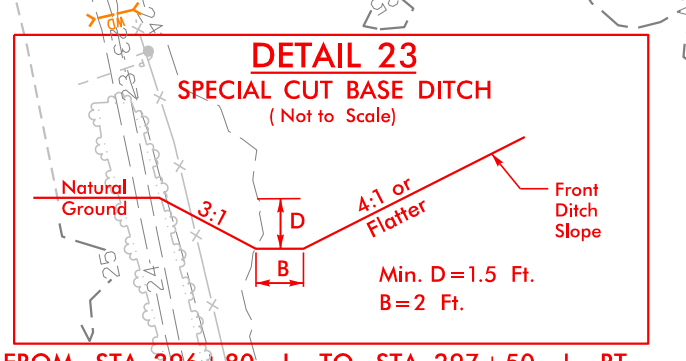
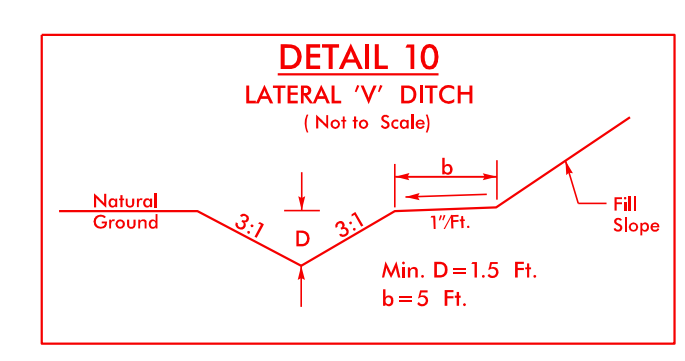
12/30/2019
 U-5713-R-5777_Hyd_PSH_07.dgn
 10:45 AM



MATCHLINE -L- STA 285+00
 -Y21RPA-
 -SRY21D--Y21RPD- STA 10+00-SRY21A-
 STA 26+50 STA 10+50 SEE SHEET STA 29+00

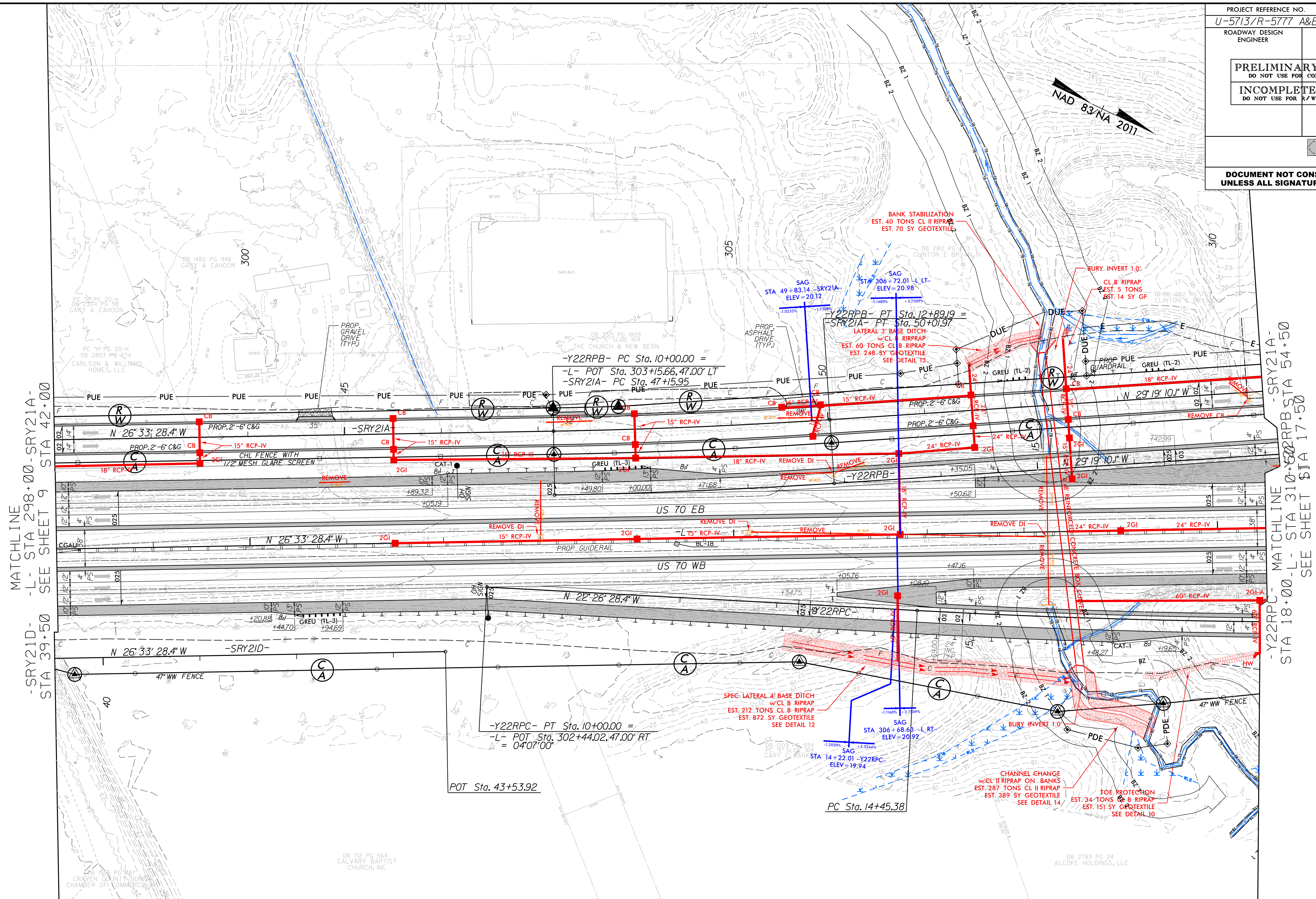
MATCHLINE -SRY21A-
 -L- STA 298+00 STA 42+00
 -SRY21D- STA 39+50
 SEE SHEET 10

-Y21RPD- PC Sta. 10+00.00 =
 -L- POT Sta. 285+50.00, 47.00' RT
 -SRY21D- PT Sta. 27+03.88

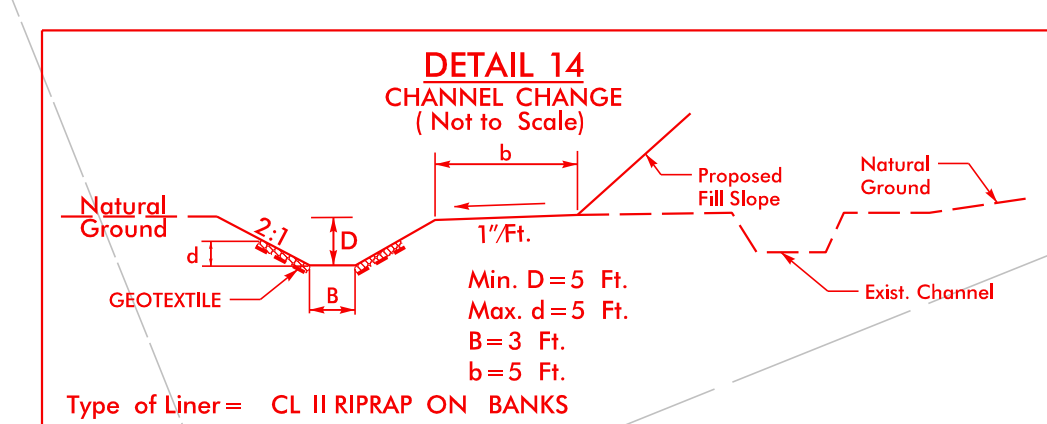
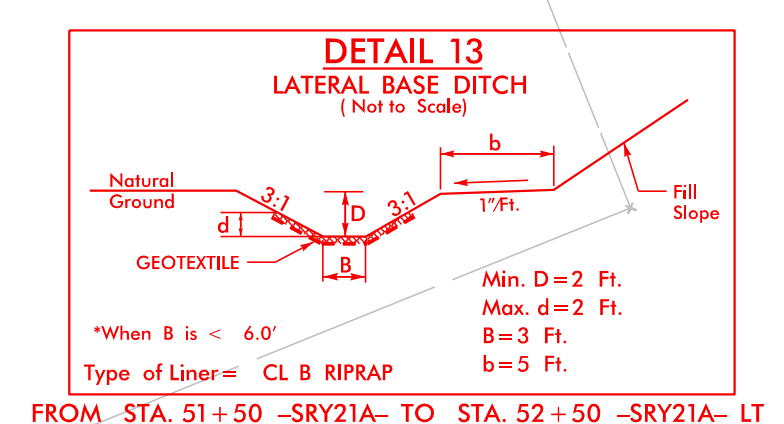
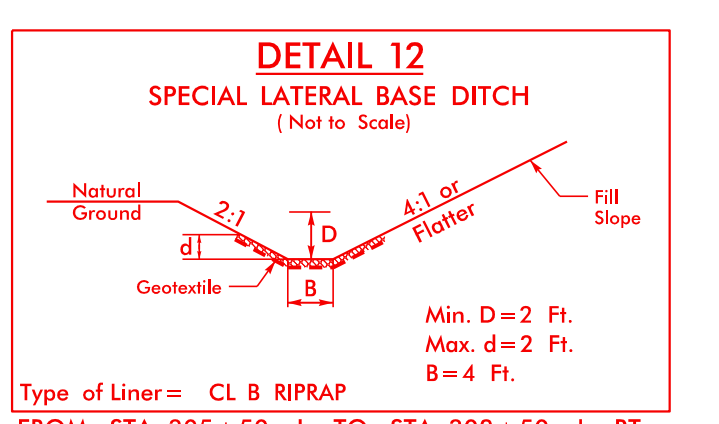
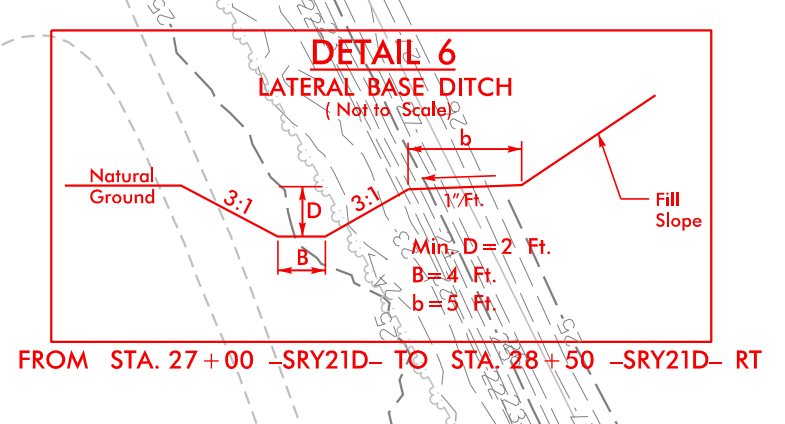


FROM STA. 34+00 -SRY21D- TO STA. 38+00 -SRY21D- RT FROM STA. 296+80 -L- TO STA. 297+50 -L- RT

FOR -L- PROFILE SEE SHEET 26
 FOR -Y21RPD- PROFILE SEE SHEET 46
 FOR -Y21RPA- PROFILE SEE SHEETS 64 & 65
 FOR -SRY21D- PROFILE SEE SHEETS 71 & 72
 SEE SHEET 3A-I TO 3A-3 FOR CURVE DATA



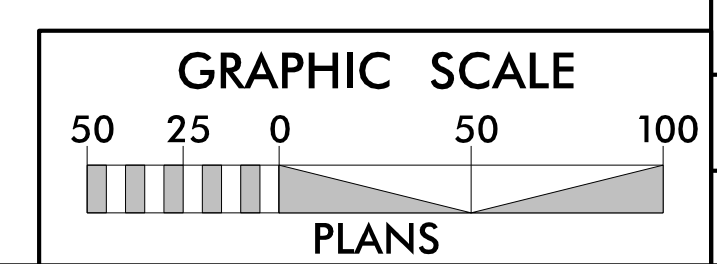
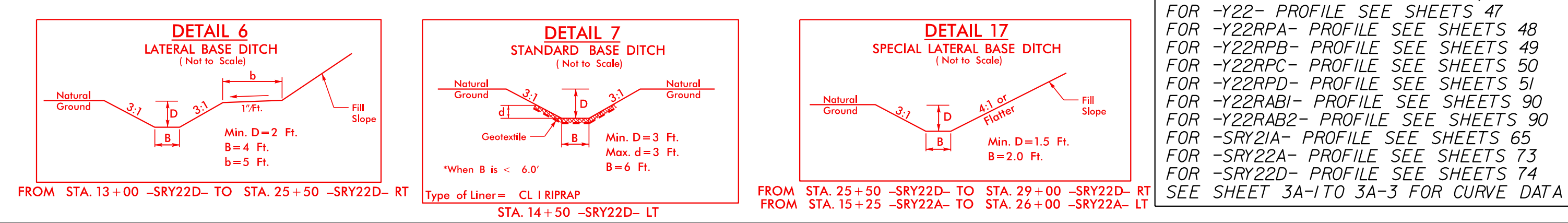
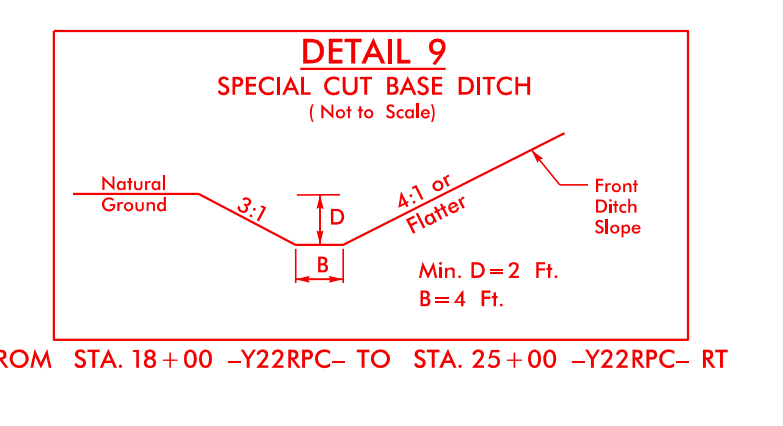
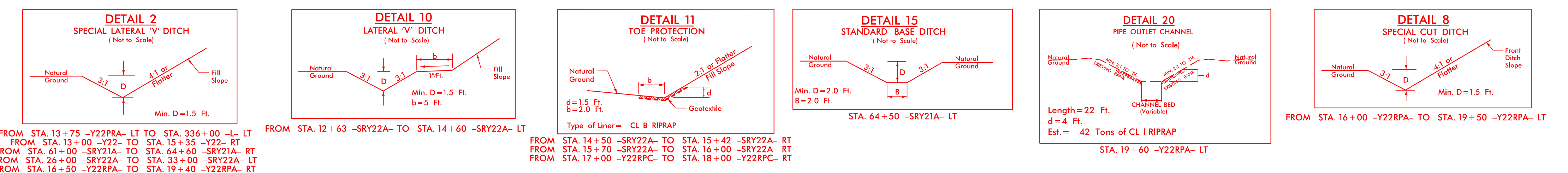
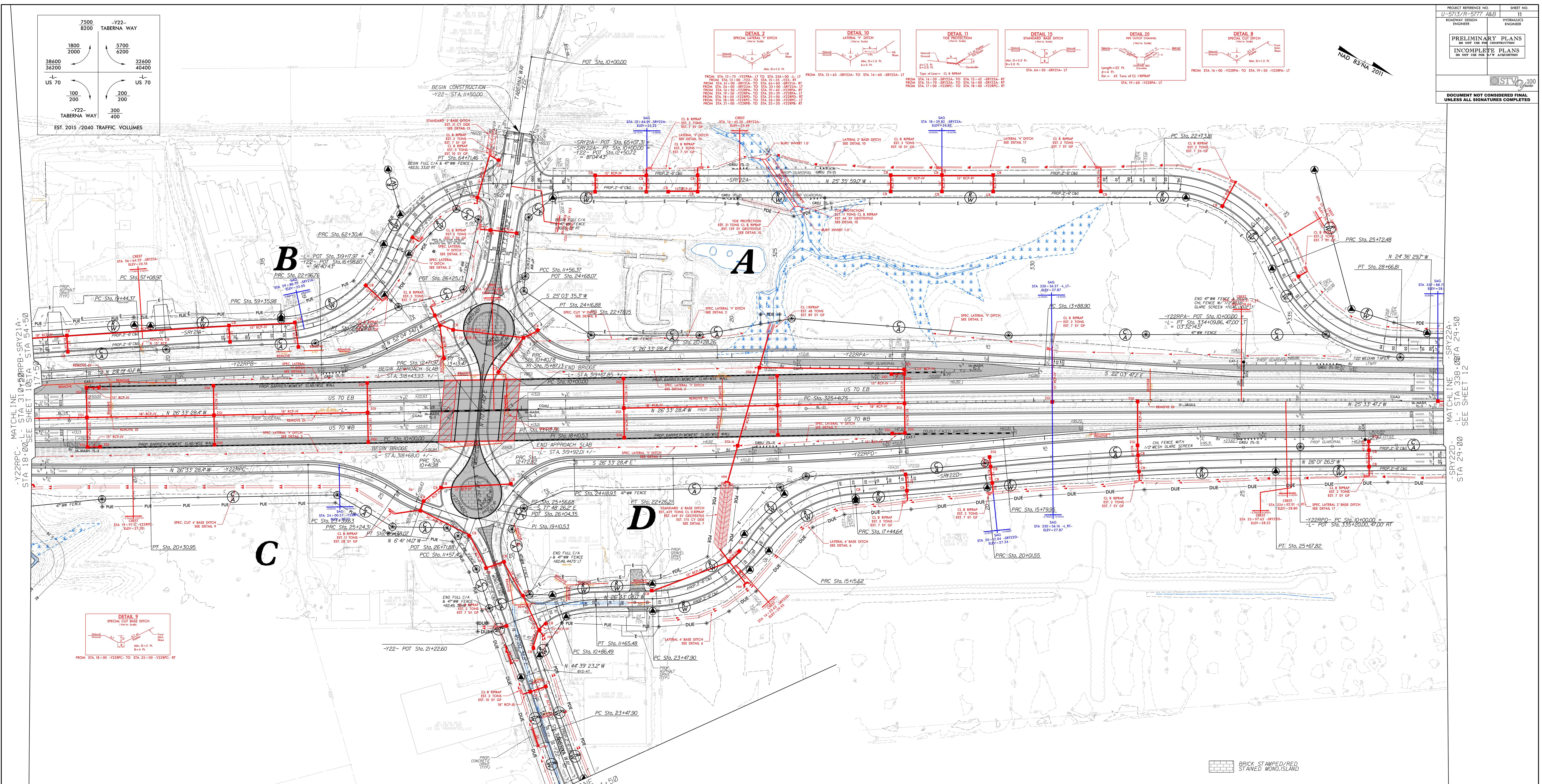
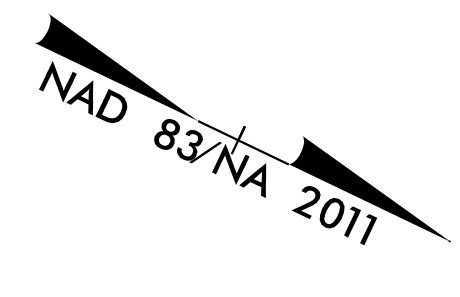
MATCHLINE -L- STA 298+00 -SRY21A-
 STA 39+50 SEE SHEET 9 STA 42+00
 -SRY21D- STA 39+50
 MATCHLINE -SRY21A- STA 54+50
 -Y22RPB- STA 310+00
 -Y22RPC- STA 18+00 -L- STA 310+00
 SEE SHEET \$1A 17+50



FOR -L- PROFILE SEE SHEETS 26 & 27
 FOR -Y22RPB- PROFILE SEE SHEETS 49
 FOR -Y22RPC- PROFILE SEE SHEETS 50
 FOR -SRY21A- PROFILE SEE SHEET 65
 SEE SHEET 3A-1 TO 3A-3 FOR CURVE DATA

1/24/2019 10:09 AM
 U-5713 R-5777_Hyd_PSH_10.dgn
 10/24/2019

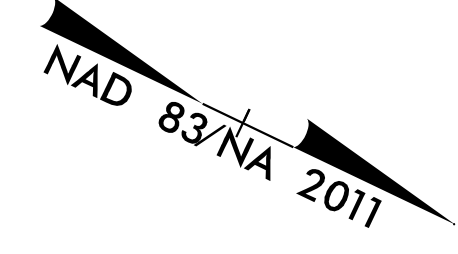
7500 8200	-Y22- TABERNA WAY
1800 2000	5700 6200
38600 36200	32600 40400
US 70	US 70
100 200	200 400
-Y22- TABERNA WAY	300 400
EST. 2015 /2040 TRAFFIC VOLUMES	



FOR -L- PROFILE SEE SHEETS 21, 28 & 29
 FOR -Y22- PROFILE SEE SHEETS 47
 FOR -Y22RPA- PROFILE SEE SHEETS 48
 FOR -Y22RWB- PROFILE SEE SHEETS 49
 FOR -Y22RWC- PROFILE SEE SHEETS 50
 FOR -Y22RWD- PROFILE SEE SHEETS 51
 FOR -Y22RWE- PROFILE SEE SHEETS 52
 FOR -Y22RWF- PROFILE SEE SHEETS 53
 FOR -Y22RWG- PROFILE SEE SHEETS 54
 FOR -Y22RWH- PROFILE SEE SHEETS 55
 FOR -Y22RWI- PROFILE SEE SHEETS 56
 FOR -Y22RWJ- PROFILE SEE SHEETS 57
 FOR -Y22RWK- PROFILE SEE SHEETS 58
 FOR -Y22RWL- PROFILE SEE SHEETS 59
 FOR -Y22RW M- PROFILE SEE SHEETS 60
 FOR -Y22RW N- PROFILE SEE SHEETS 61
 FOR -Y22RW O- PROFILE SEE SHEETS 62
 FOR -Y22RW P- PROFILE SEE SHEETS 63
 FOR -Y22RW Q- PROFILE SEE SHEETS 64
 FOR -Y22RW R- PROFILE SEE SHEETS 65
 FOR -Y22RW S- PROFILE SEE SHEETS 66
 FOR -Y22RW T- PROFILE SEE SHEETS 67
 FOR -Y22RW U- PROFILE SEE SHEETS 68
 FOR -Y22RW V- PROFILE SEE SHEETS 69
 FOR -Y22RW W- PROFILE SEE SHEETS 70
 FOR -Y22RW X- PROFILE SEE SHEETS 71
 FOR -Y22RW Y- PROFILE SEE SHEETS 72
 FOR -Y22RW Z- PROFILE SEE SHEETS 73
 FOR -Y22RW AA- PROFILE SEE SHEETS 74
 FOR -Y22RW AB- PROFILE SEE SHEETS 75
 FOR -Y22RW AC- PROFILE SEE SHEETS 76
 FOR -Y22RW AD- PROFILE SEE SHEETS 77
 FOR -Y22RW AE- PROFILE SEE SHEETS 78
 FOR -Y22RW AF- PROFILE SEE SHEETS 79
 FOR -Y22RW AG- PROFILE SEE SHEETS 80
 FOR -Y22RW AH- PROFILE SEE SHEETS 81
 FOR -Y22RW AI- PROFILE SEE SHEETS 82
 FOR -Y22RW AJ- PROFILE SEE SHEETS 83
 FOR -Y22RW AK- PROFILE SEE SHEETS 84
 FOR -Y22RW AL- PROFILE SEE SHEETS 85
 FOR -Y22RW AM- PROFILE SEE SHEETS 86
 FOR -Y22RW AN- PROFILE SEE SHEETS 87
 FOR -Y22RW AO- PROFILE SEE SHEETS 88
 FOR -Y22RW AP- PROFILE SEE SHEETS 89
 FOR -Y22RW AQ- PROFILE SEE SHEETS 90
 FOR -Y22RW AR- PROFILE SEE SHEETS 91
 FOR -Y22RW AS- PROFILE SEE SHEETS 92
 FOR -Y22RW AT- PROFILE SEE SHEETS 93
 FOR -Y22RW AU- PROFILE SEE SHEETS 94
 FOR -Y22RW AV- PROFILE SEE SHEETS 95
 FOR -Y22RW AW- PROFILE SEE SHEETS 96
 FOR -Y22RW AX- PROFILE SEE SHEETS 97
 FOR -Y22RW AY- PROFILE SEE SHEETS 98
 FOR -Y22RW AZ- PROFILE SEE SHEETS 99
 FOR -Y22RW BA- PROFILE SEE SHEETS 100

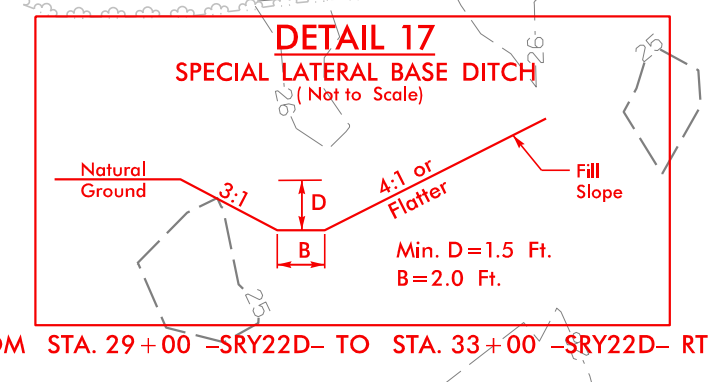
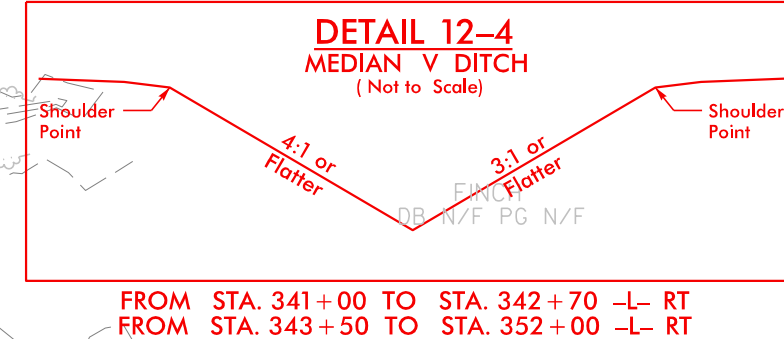
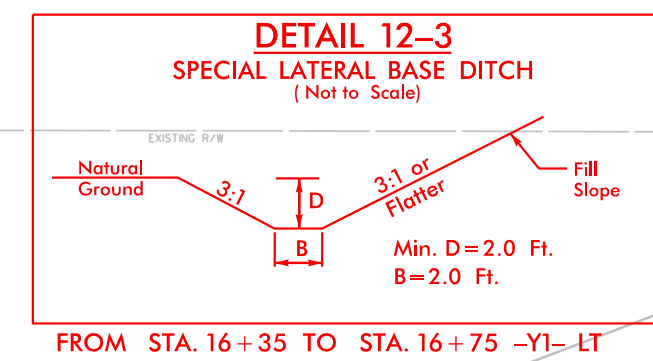
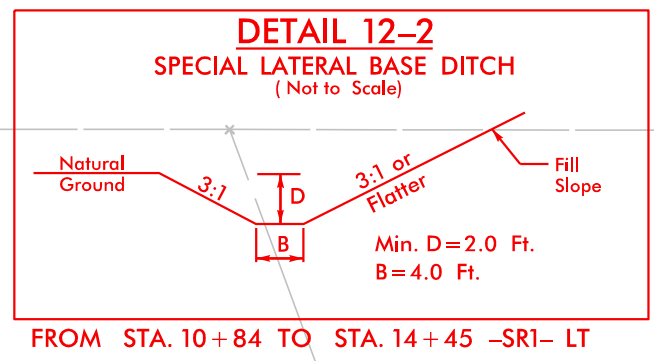
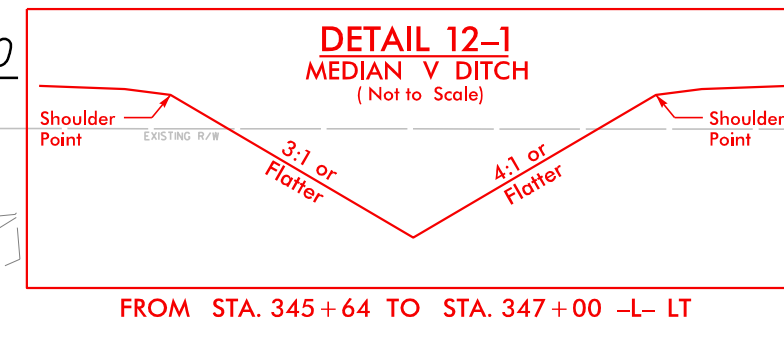
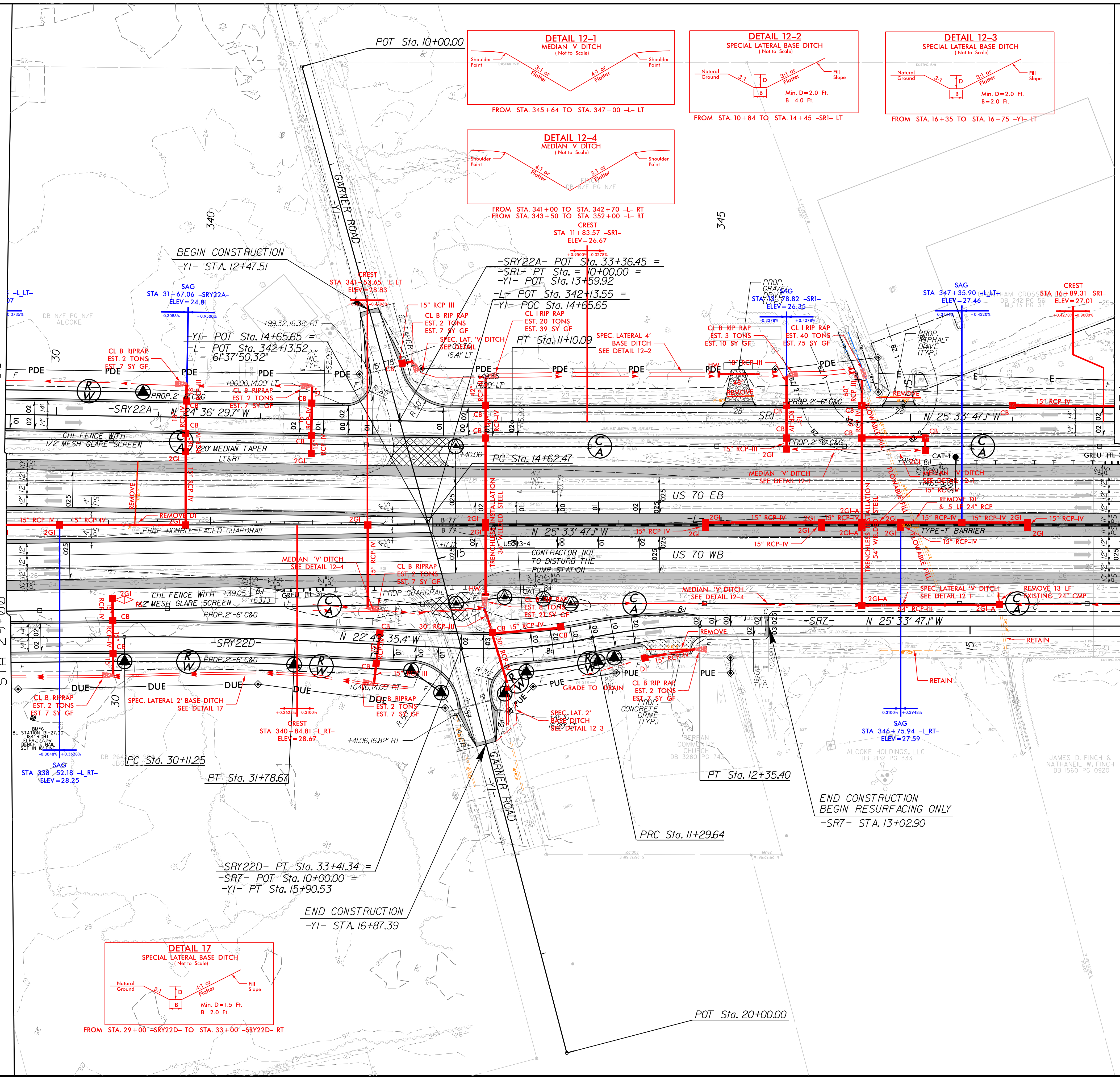
LOCATION: -Y22- (TABERNA WAY) / -L-
 TIP NO.: U-5713/R-5777 A&B COUNTY: CRAVEN
 DESIGNED BY: NP DATE: 11/05/19
 CHECKED BY: JAF DATE: 11/05/19

6/27/19
 12/30/2019
 U-5713-R-5777_Hg_PSH_11.dgn



MATCHLINE
 -L- STA 338+00-SRY22A-
 SEE SHEET 11 STA 29+50
 -SRY22D-
 STA 29+00


MATCHLINE
 STA 17+00 -SRI-
 -L- STA 349+00
 SEE SHEET 13

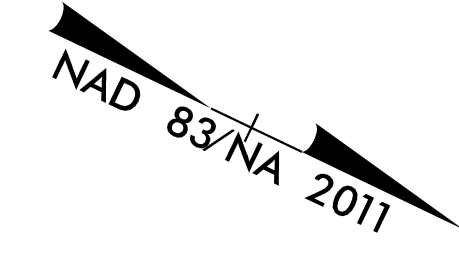


PAVEMENT REMOVAL

FOR -L- PROFILE SEE SHEETS 29 & 30
 FOR -SRY21A- PROFILE SEE SHEET 73
 FOR -SRY21D- PROFILE SEE SHEET 74
 FOR -SRI- PROFILE SEE SHEET 75
 FOR -SRY7- PROFILE SEE SHEET 85
 SEE SHEET 3A-1 TO 3A-3 FOR CURVE DATA

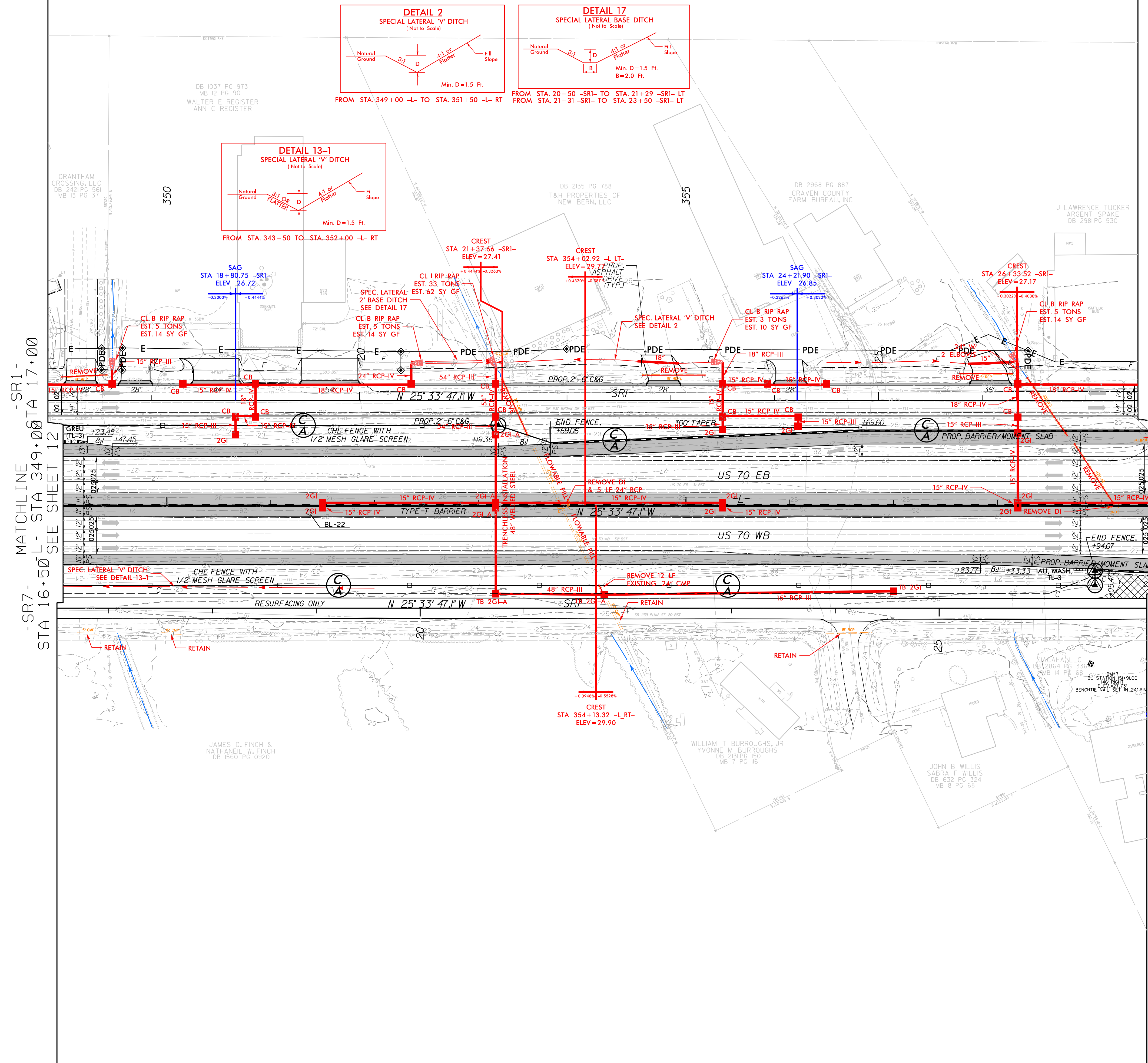
12/13/2019 10:57:13 AM U:\5713\5777_Hyd.PSH.12.dgn

PROJECT REFERENCE NO. U-5713/R-5777 A&B	SHEET NO. 13
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



-SR1- MATCHLINE STA 17+00
 -SR7- MATCHLINE STA 16+50 L- STA 349+00 SEE SHEET 12

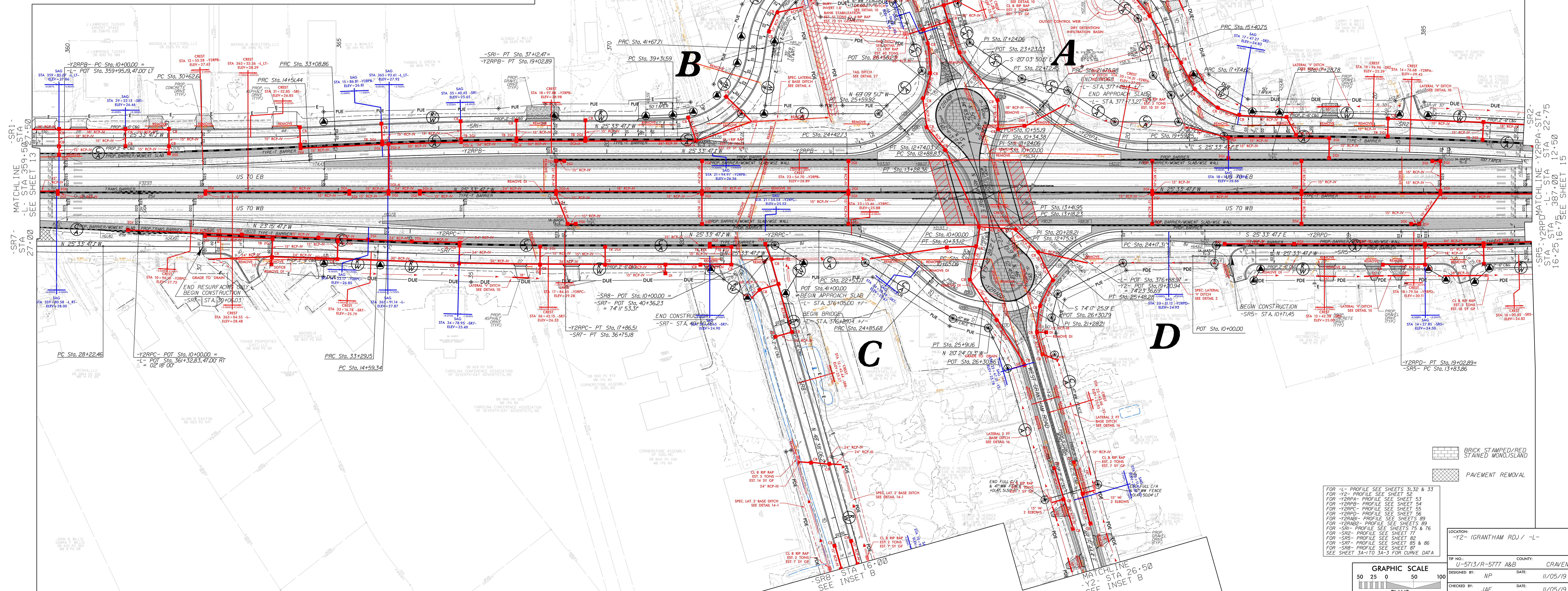
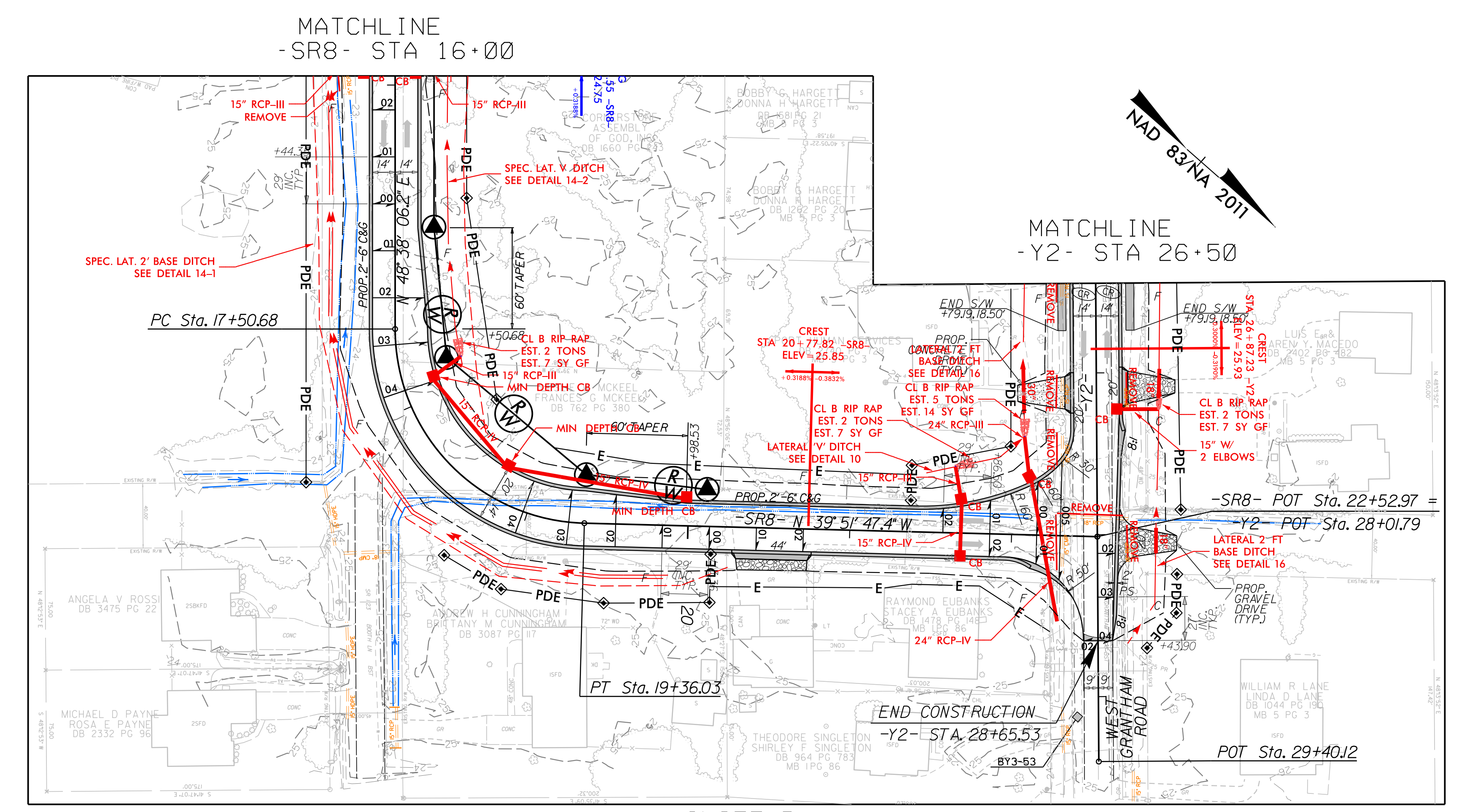
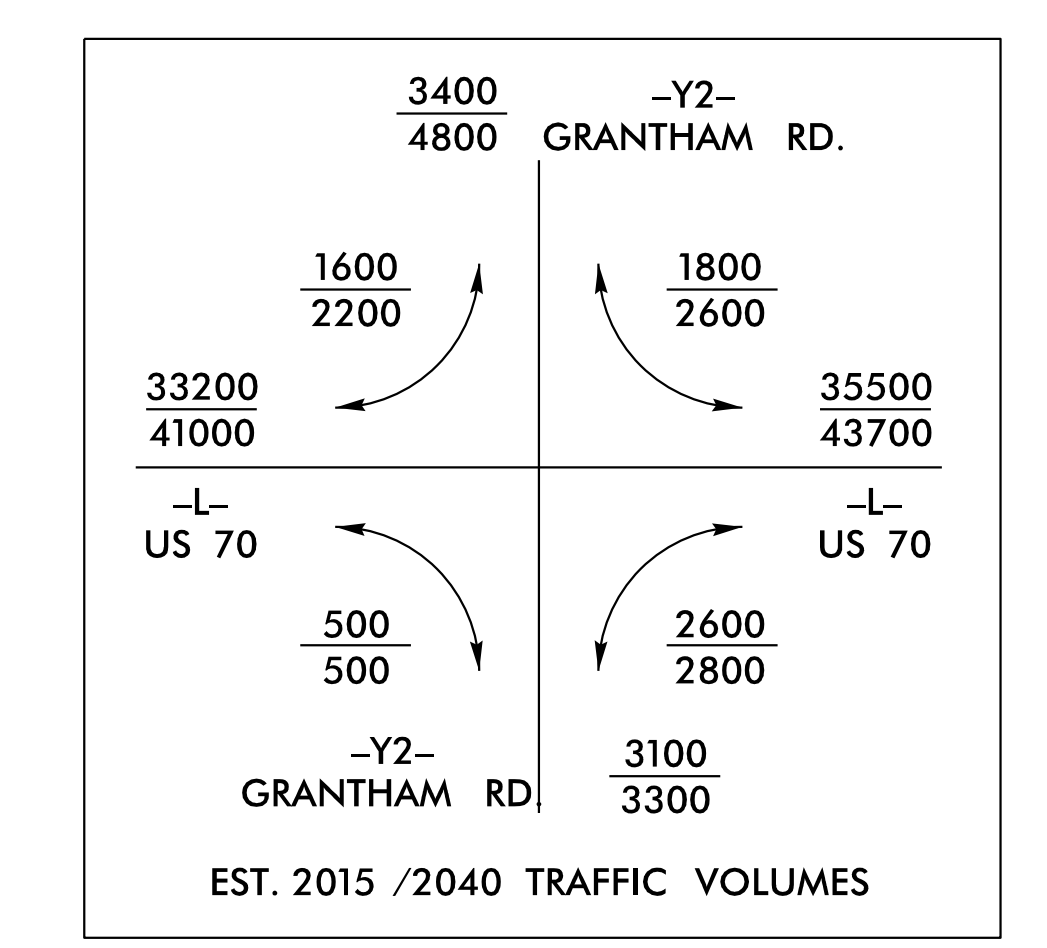
-SR1- MATCHLINE STA 27+50
 -SR7- MATCHLINE STA 27+00 L- STA 359+50 SEE SHEET 14



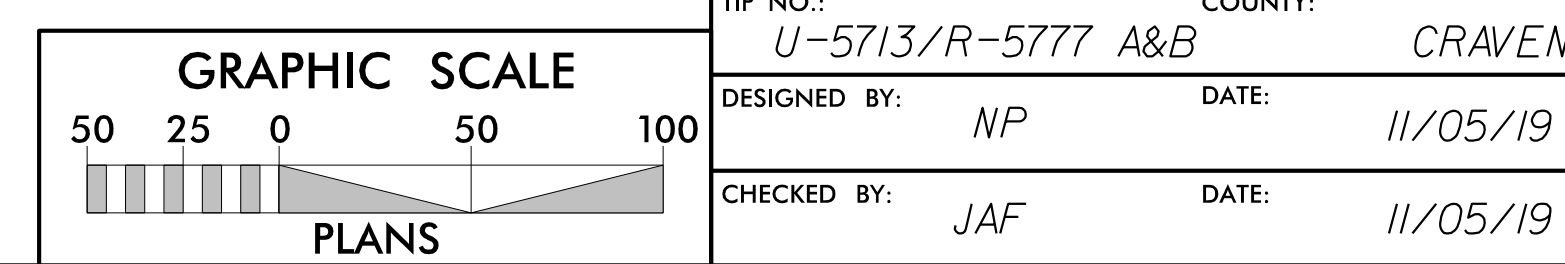
 PAVEMENT REMOVAL

FOR -L- PROFILE SEE SHEETS 30 & 31
 FOR -SR1- PROFILE SEE SHEET 75
 SEE SHEET 3A-1 TO 3A-3 FOR CURVE DATA

12/30/2019
 U-5713-R-5777_Hyd_PSH_13.dgn
 [Signature]



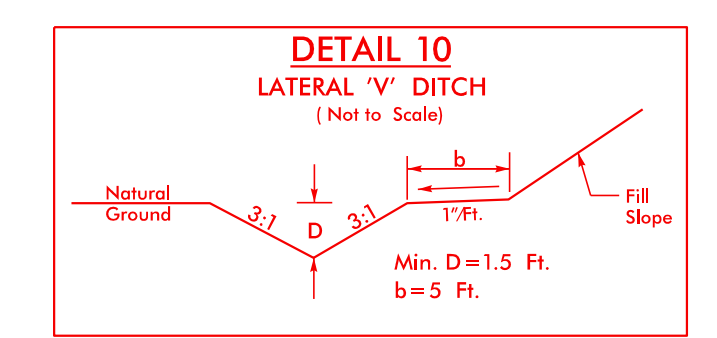
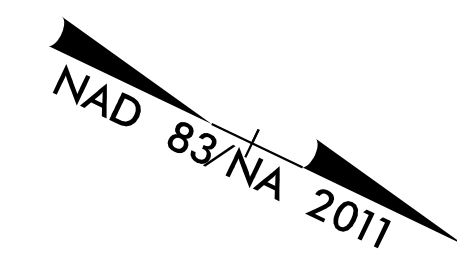
FOR -L- PROFILE SEE SHEETS 31, 32 & 33
 FOR -Y2- PROFILE SEE SHEET 52
 FOR -Y2RPA- PROFILE SEE SHEET 53
 FOR -Y2RPA- PROFILE SEE SHEET 54
 FOR -Y2RPA- PROFILE SEE SHEET 55
 FOR -Y2RPA- PROFILE SEE SHEET 56
 FOR -Y2RPA- PROFILE SEE SHEETS 59
 FOR -Y2RPA- PROFILE SEE SHEETS 59
 FOR -SR1- PROFILE SEE SHEETS 75 & 76
 FOR -SR2- PROFILE SEE SHEET 77
 FOR -SR3- PROFILE SEE SHEET 82
 FOR -SR4- PROFILE SEE SHEETS 85 & 86
 FOR -SR5- PROFILE SEE SHEET 87
 FOR -SR6- PROFILE SEE SHEET 87
 SEE SHEET 3A-1 TO 3A-3 FOR CURVE DATA



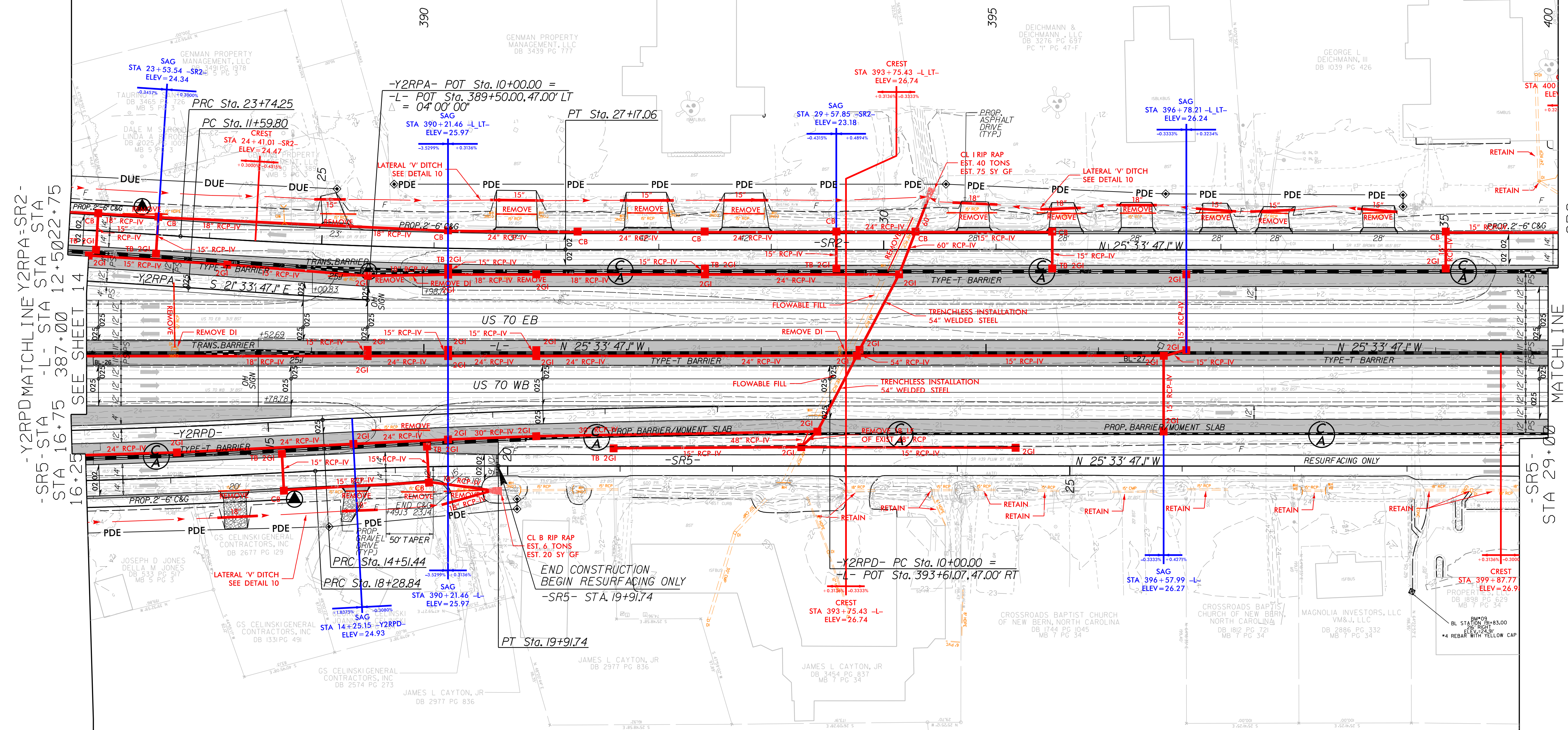
LOCATION: -Y2- (GRANTHAM RD.) / -L-
 TIP NO. U-5713/R-5777 A&B COUNTY: CRAVEN
 DESIGNED BY: NP DATE: 11/05/19
 CHECKED BY: JAF DATE: 11/05/19

6/2/19

12/30/2019
 05:10:16:777_High_PSH_14.dgn



FROM STA. 21+00 -SR2- TO STA. 30+40 -SR2- LT
 FROM STA. 30+40 -SR2- TO STA. 34+54 -SR2- LT
 FROM STA. 11+11 -SR5- TO STA. 19+41 -SR5- RT

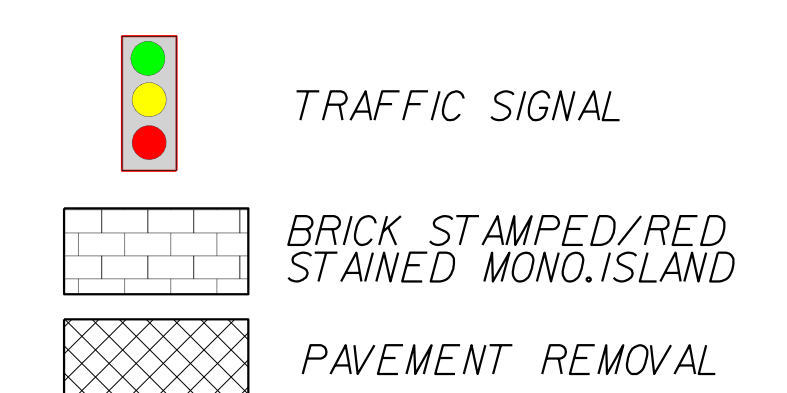
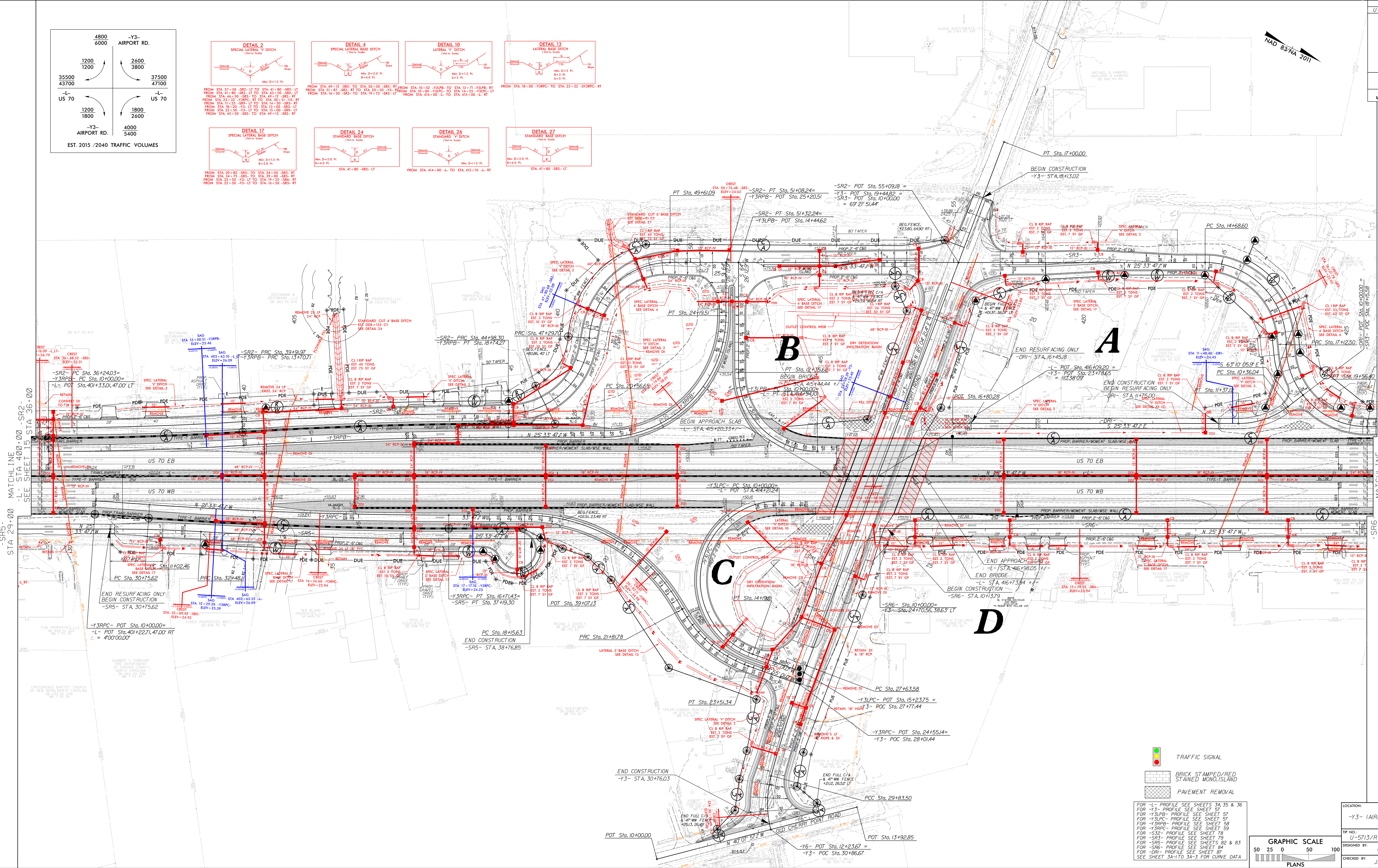
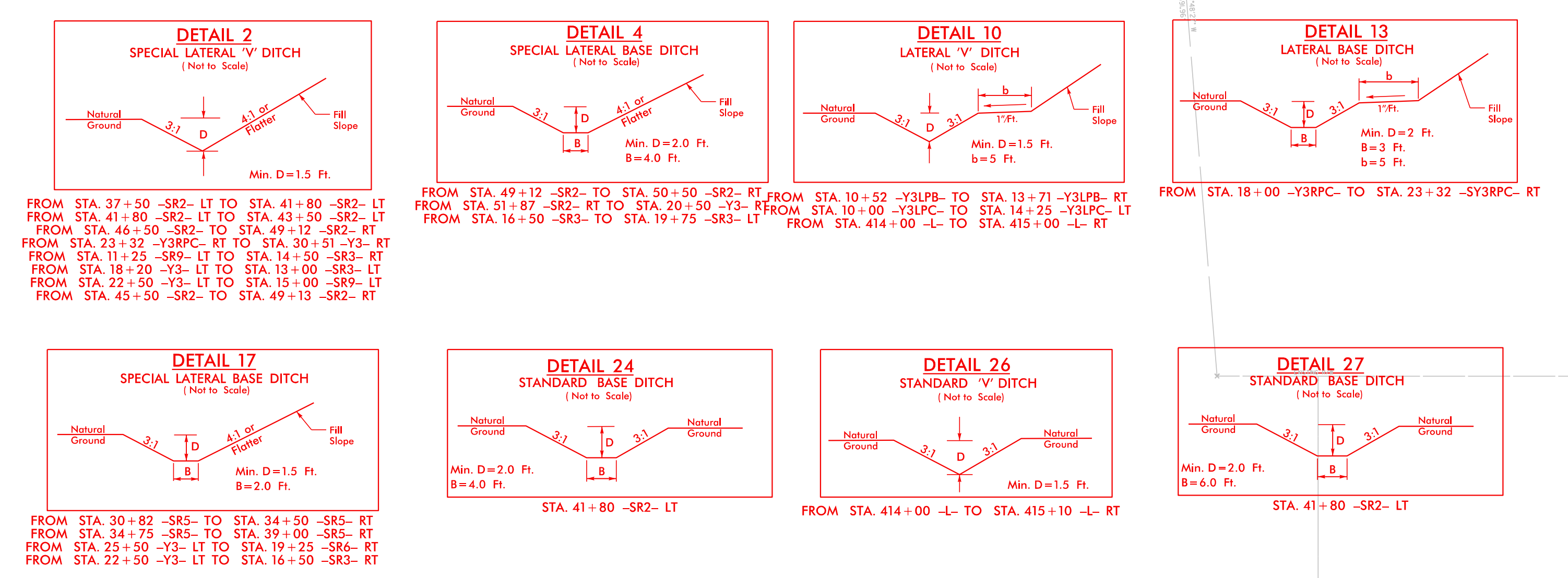
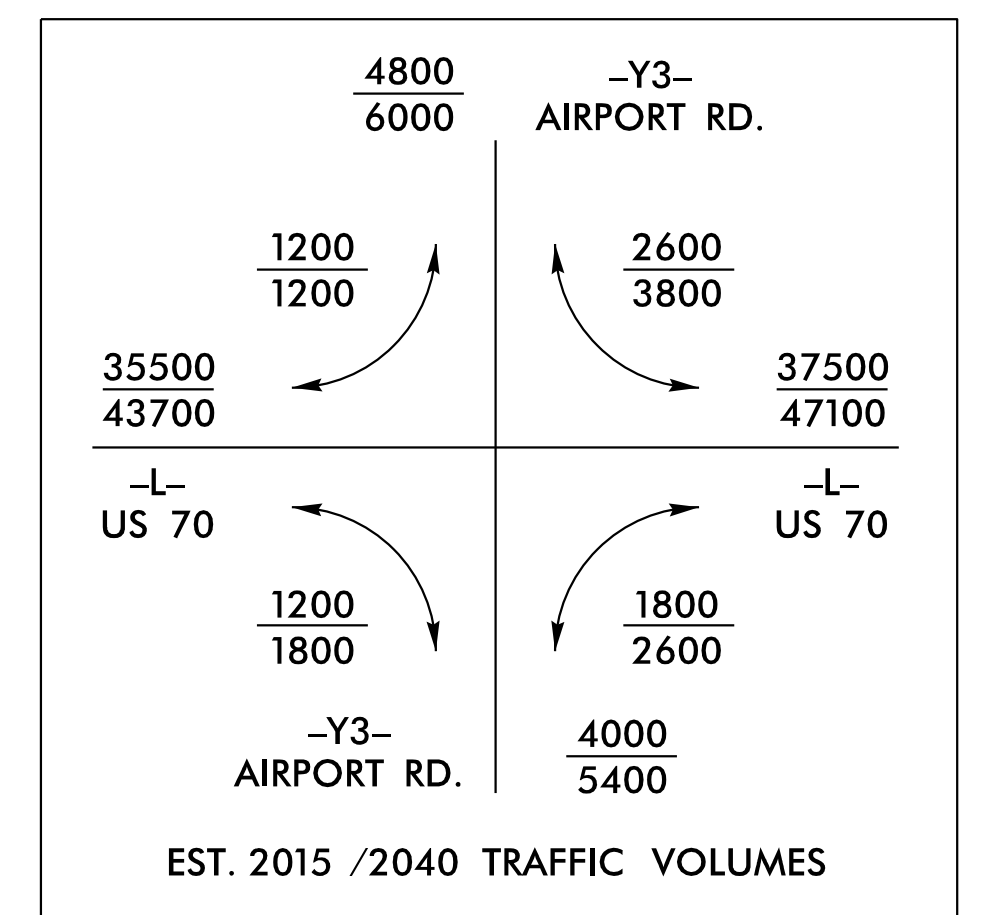


-Y2RPD MATCHLINE Y2RPA=SR2-
 -SR5- STA 16+75
 -L- STA 387+00
 STA 16+25 SEE SHEET 14

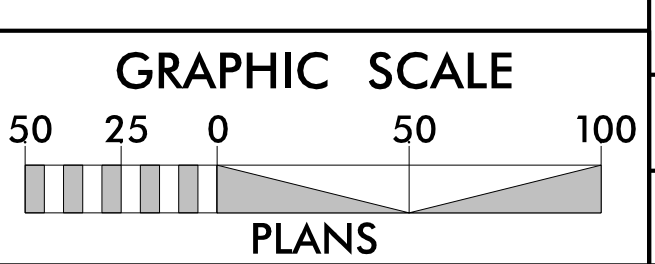
MATCHLINE
 -L- STA 400+00 -SR2-
 SEE SHEET 16 STA 36+00

FOR -L- PROFILE SEE SHEETS 33 & 34
 FOR -Y2RPA- PROFILE SEE SHEET 53
 FOR -Y2RPD- PROFILE SEE SHEET 56
 FOR -SR2- PROFILE SEE SHEETS 77 & 78
 FOR -SR5- PROFILE SEE SHEET 82
 SEE SHEET 3A-1 TO 3A-3 FOR CURVE DATA

6/27/19

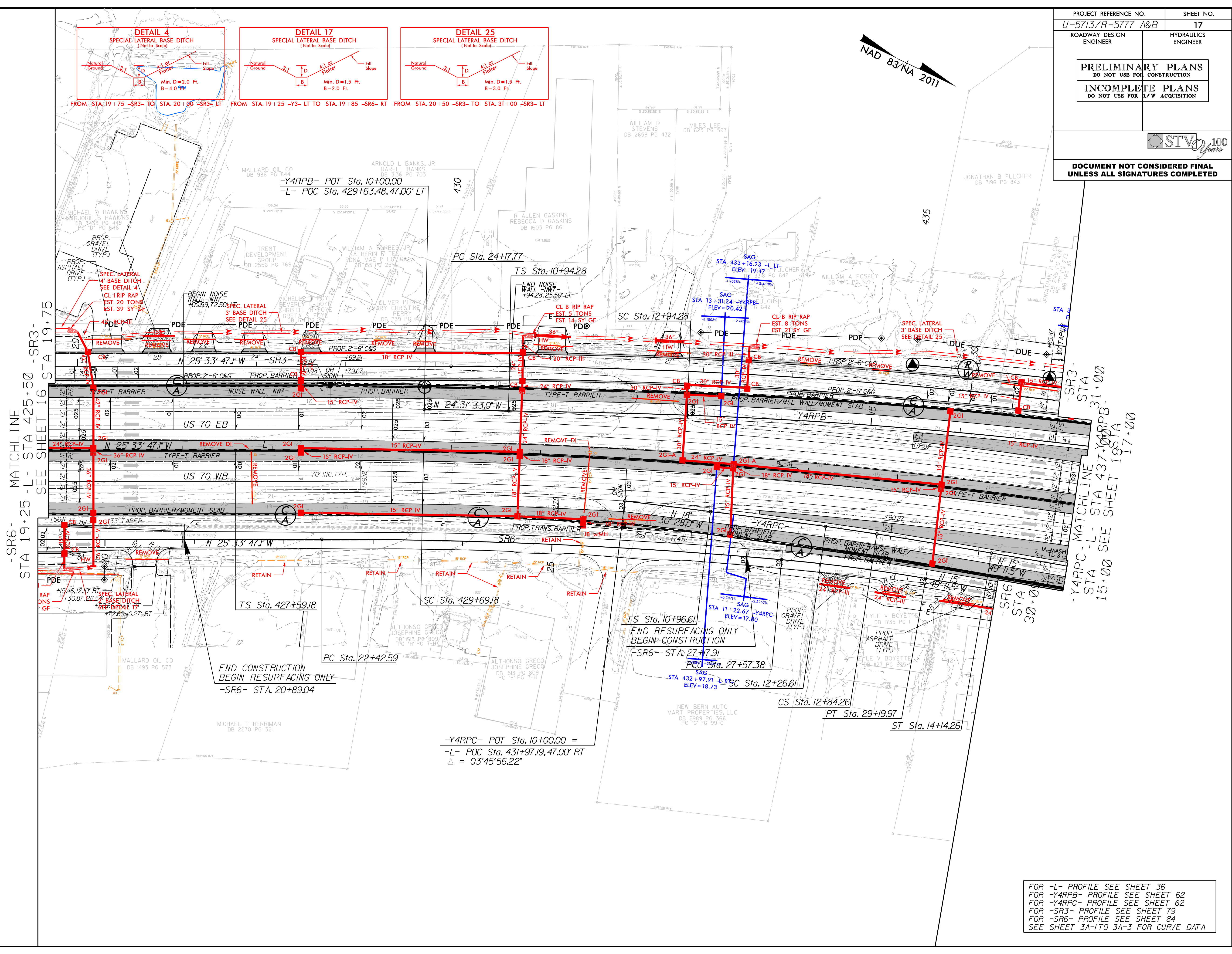
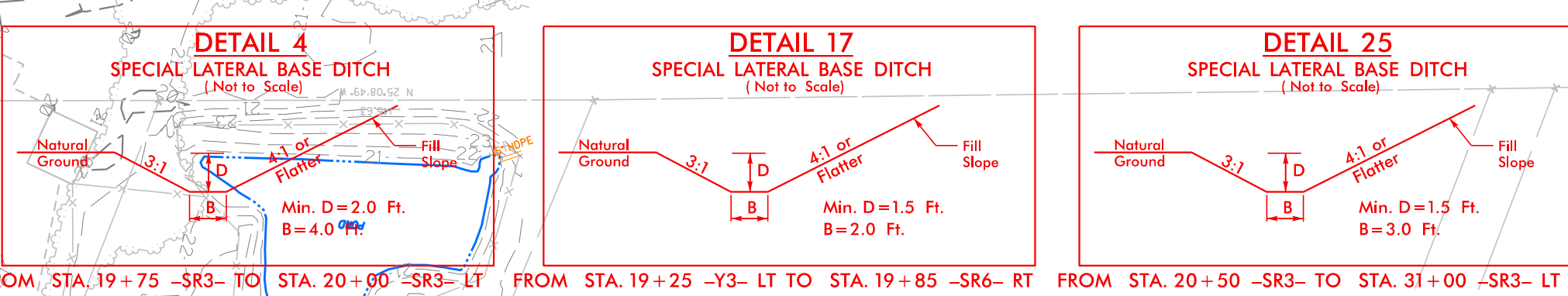
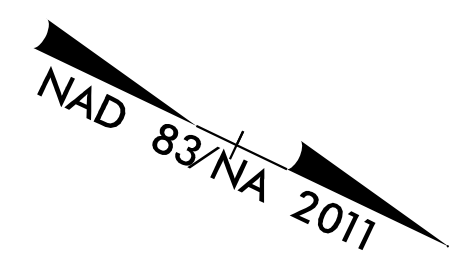


FOR -L- PROFILE SEE SHEETS 34, 35 & 36
 FOR -Y3- PROFILE SEE SHEET 57
 FOR -Y3LPB- PROFILE SEE SHEET 57
 FOR -Y3LPC- PROFILE SEE SHEET 57
 FOR -Y3RPB- PROFILE SEE SHEET 58
 FOR -Y3RPC- PROFILE SEE SHEET 59
 FOR -SR2- PROFILE SEE SHEET 79
 FOR -SR5- PROFILE SEE SHEETS 82 & 83
 FOR -SR6- PROFILE SEE SHEET 84
 FOR -DRI- PROFILE SEE SHEET 84
 SEE SHEET 3A-1 TO 3A-3 FOR CURVE DATA



LOCATION: -Y3- (AIRPORT RD) / -L-
 TIP NO.: U-5713/R-5777 A&B COUNTY: CRAVEN
 DESIGNED BY: NP DATE: 11/05/19
 CHECKED BY: JAF DATE: 11/05/19

12/30/2019 05:13:16:777_Hydra_PSH_16.dgn

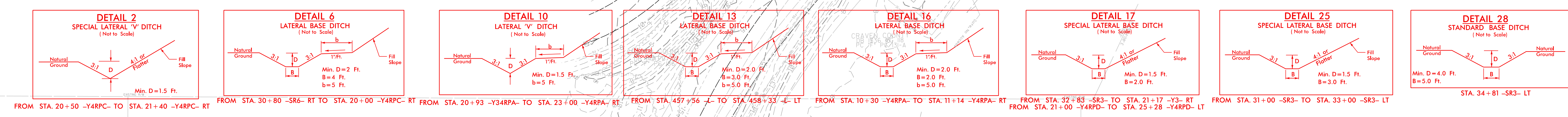
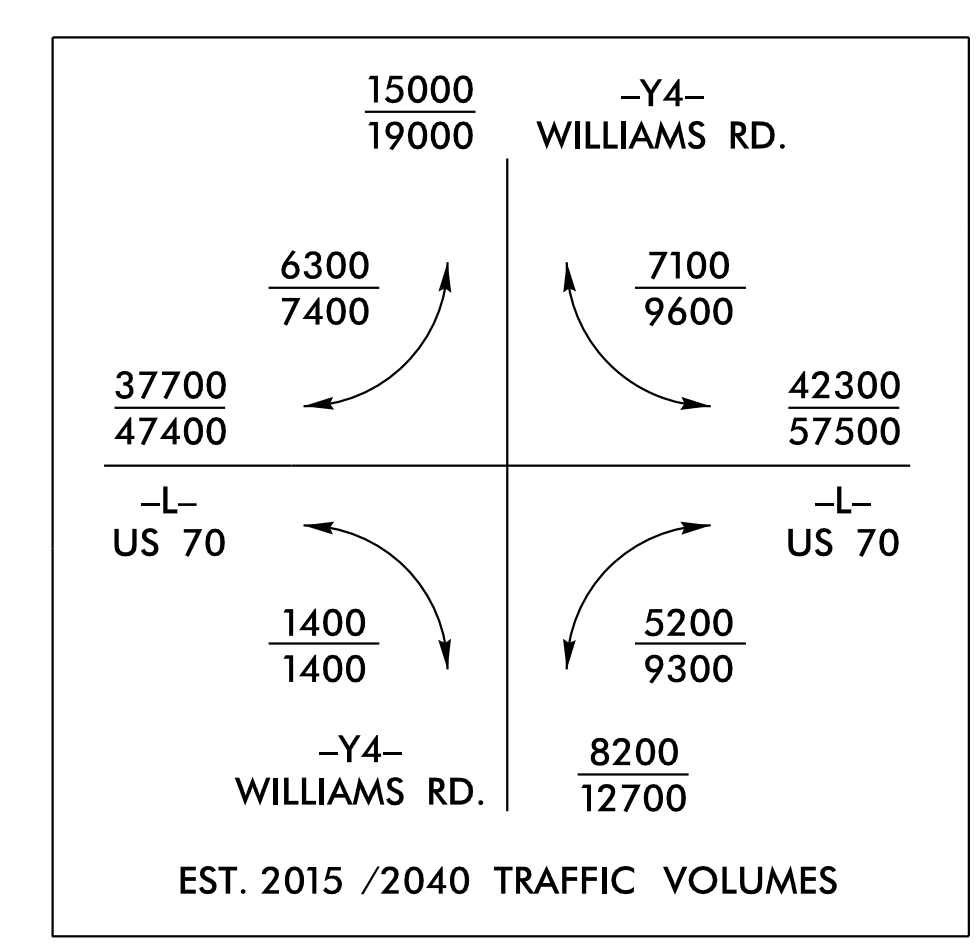
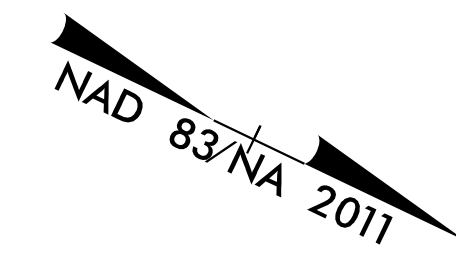


-SR6- MATCHLINE
 STA 19+25 -L- STA 425+50 -SR3-
 SEE SHEET 16 STA 19+75

-SR3- MATCHLINE
 STA 31+00
 STA -L- STA 437+00
 15+00 SEE SHEET 18

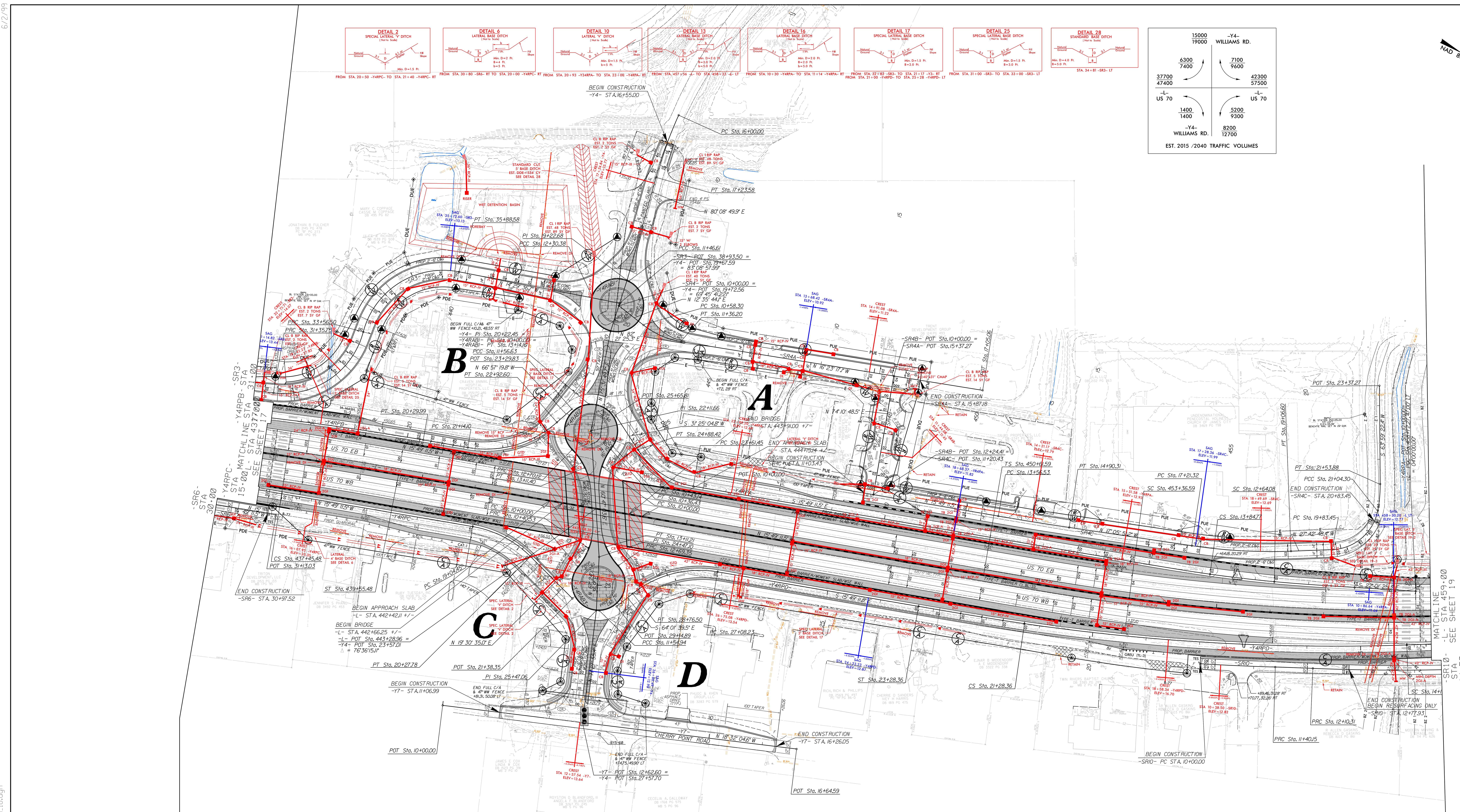
-Y4RPC- POT Sta. 10+00.00 =
 -L- POC Sta. 431+97.19, 47.00' RT
 $\Delta = 03^{\circ}45'56.22''$

FOR -L- PROFILE SEE SHEET 36
 FOR -Y4RPB- PROFILE SEE SHEET 62
 FOR -Y4RPC- PROFILE SEE SHEET 62
 FOR -SR3- PROFILE SEE SHEET 79
 FOR -SR6- PROFILE SEE SHEET 84
 SEE SHEET 3A-1 TO 3A-3 FOR CURVE DATA



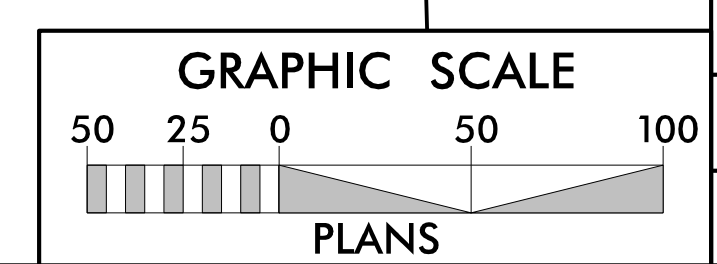
6/27/99

12/30/2009
 05/10/16/1777_Hydr_PSH_18.dgn

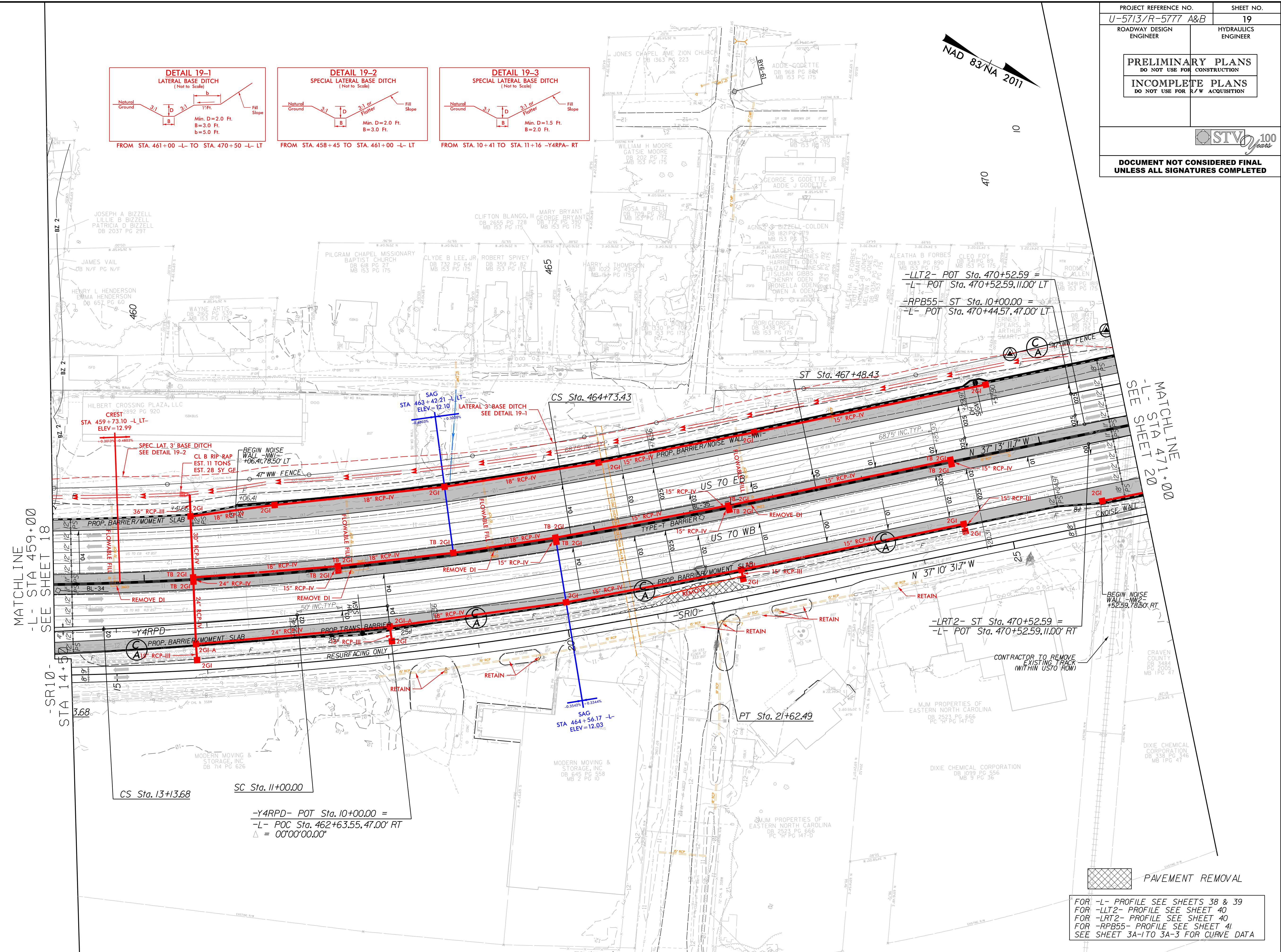
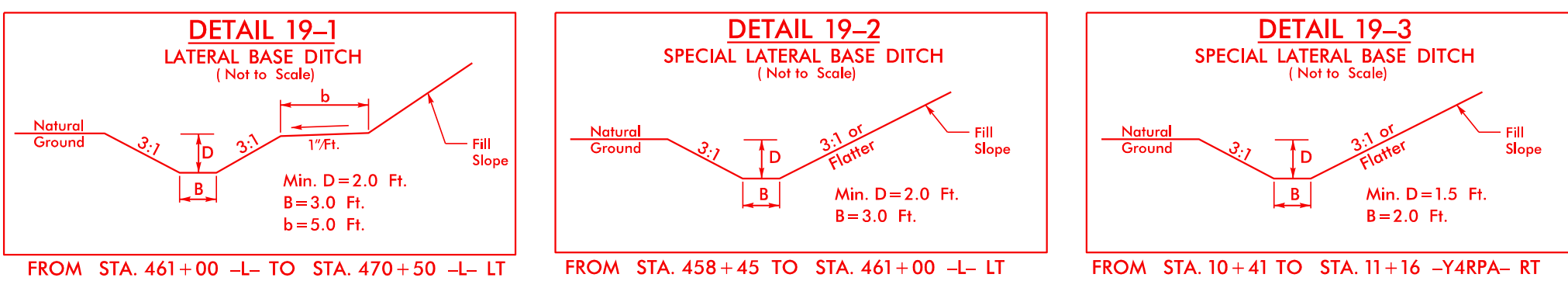
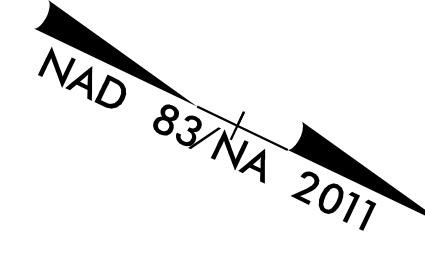


- TRAFFIC SIGNAL
- BRICK STAMPED/RED STAINED MONOISLAND
- PAVEMENT REMOVAL

FOR -L- PROFILE SEE SHEETS 36,37 & 38
 FOR -Y4- PROFILE SEE SHEET 60
 FOR -Y4RA- PROFILE SEE SHEET 61
 FOR -Y4RAB- PROFILE SEE SHEET 62
 FOR -Y4RAC- PROFILE SEE SHEET 63
 FOR -Y4RAD- PROFILE SEE SHEET 64
 FOR -Y4RAB3- PROFILE SEE SHEETS 89
 FOR -S63- PROFILE SEE SHEETS 79 & 80
 FOR -S64- PROFILE SEE SHEET 81
 FOR -S65- PROFILE SEE SHEET 84
 FOR -SR10- PROFILE SEE SHEET 88
 SEE SHEET 3A-1 TO 3A-3 FOR CURVE DATA



LOCATION: -Y4- (WILLIAMS RD) / -L-
 TIP NO. U-5713/R-5777 A&B COUNTY: CRAVEN
 DESIGNED BY: NP DATE: 11/05/19
 CHECKED BY: JAF DATE: 11/05/19



MATCHLINE
-L- STA 459+00
SEE SHEET 18

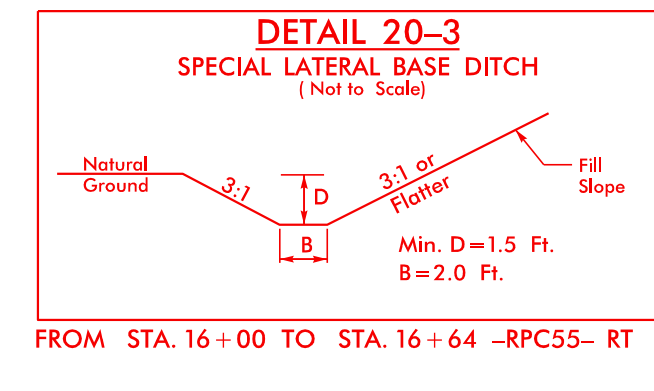
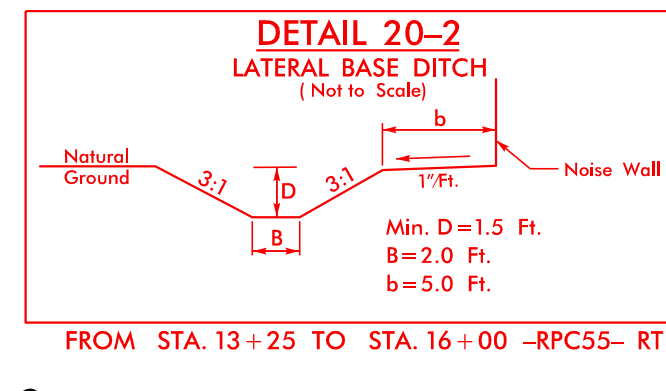
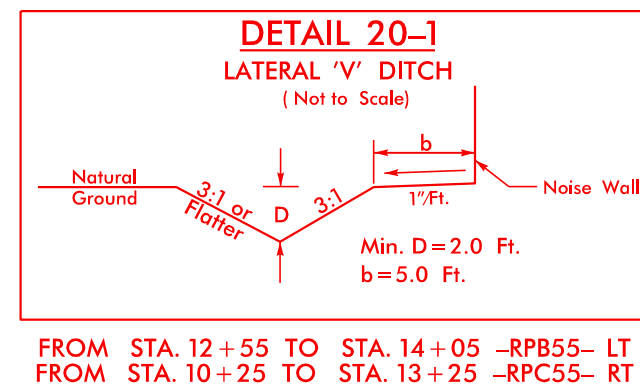
-SR10-
STA 14+5

MATCHLINE
-L- STA 471+00
SEE SHEET 20



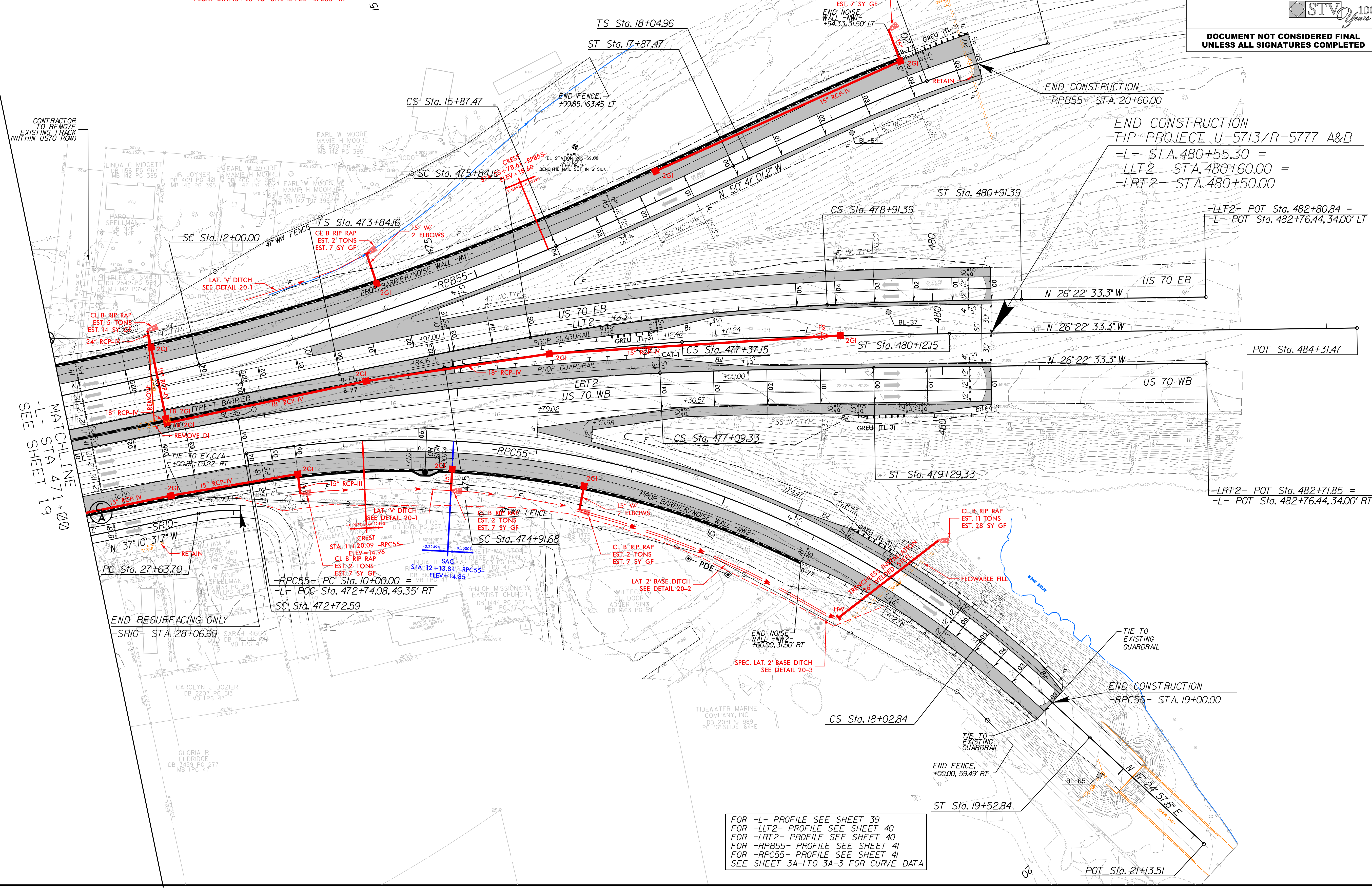
FOR -L- PROFILE SEE SHEETS 38 & 39
FOR -LLT2- PROFILE SEE SHEET 40
FOR -LRT2- PROFILE SEE SHEET 40
FOR -RPB55- PROFILE SEE SHEET 41
SEE SHEET 3A-1 TO 3A-3 FOR CURVE DATA

1/26/2019 10:47:33 AM R5777_Hyd_PSH_19.dgn

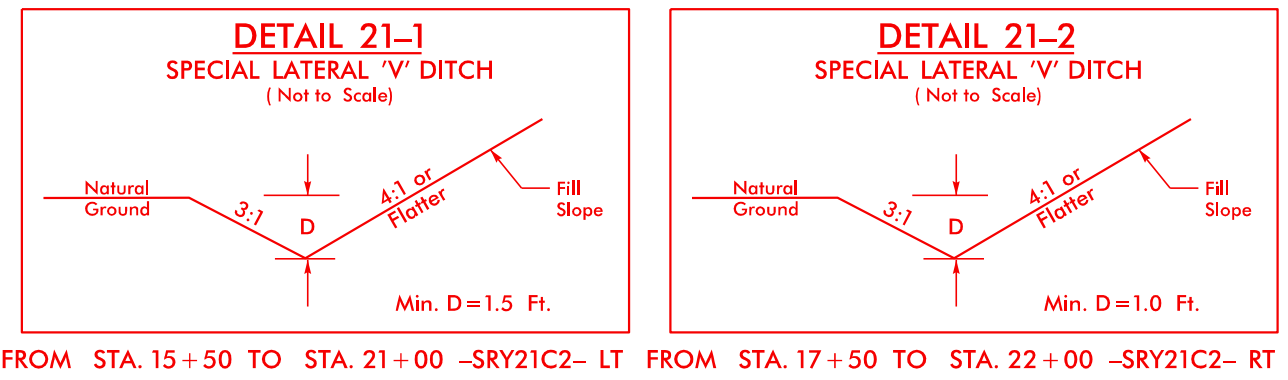


CONTRACTOR TO REMOVE EXISTING TRACK WITHIN US TO ROW

MATCHLINE -L- STA. 471+00 SEE SHEET 19

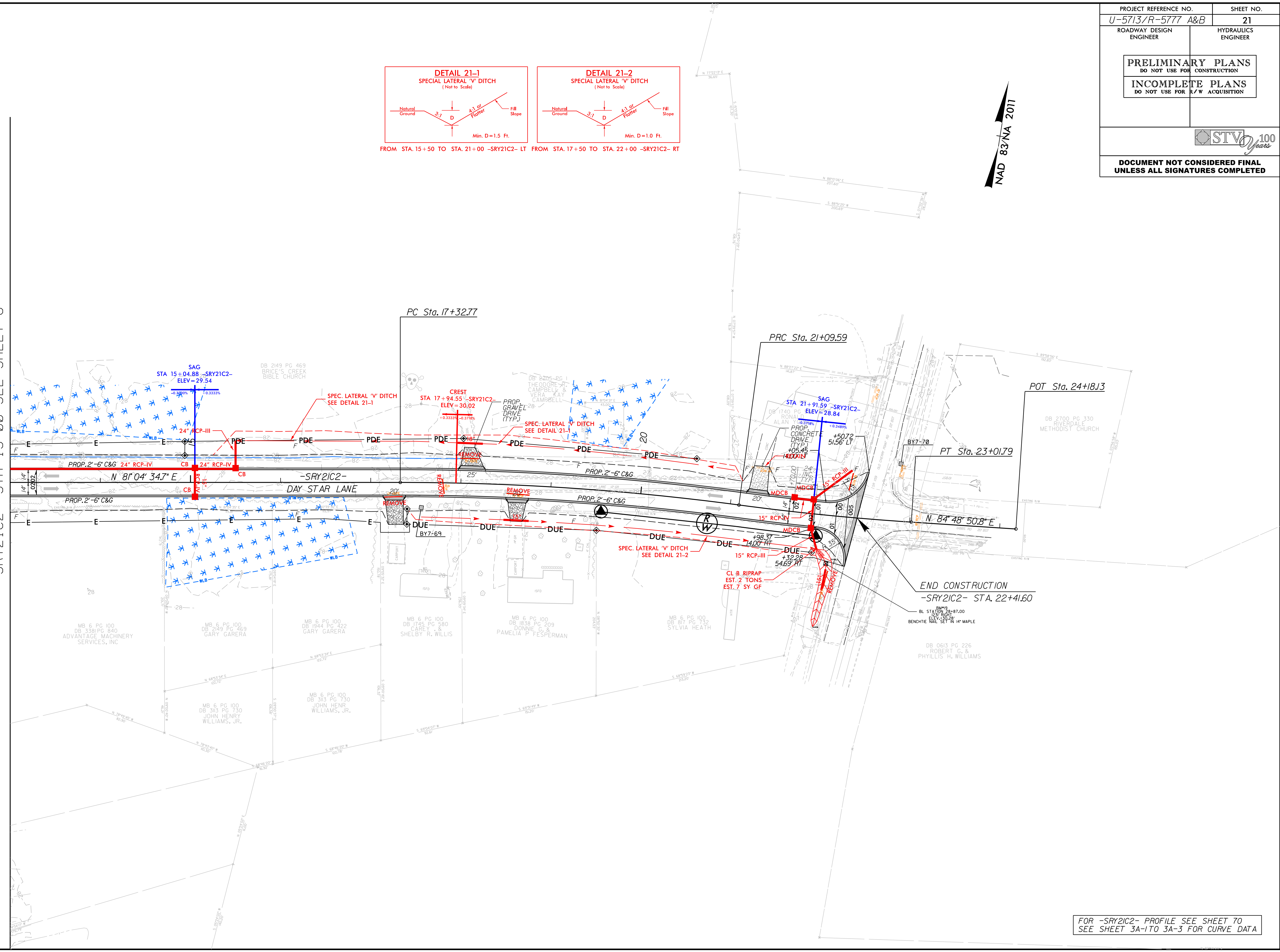


FOR -L- PROFILE SEE SHEET 39
FOR -LLT2- PROFILE SEE SHEET 40
FOR -LRT2- PROFILE SEE SHEET 40
FOR -RPB55- PROFILE SEE SHEET 41
FOR -RPC55- PROFILE SEE SHEET 41
SEE SHEET 3A-1 TO 3A-3 FOR CURVE DATA



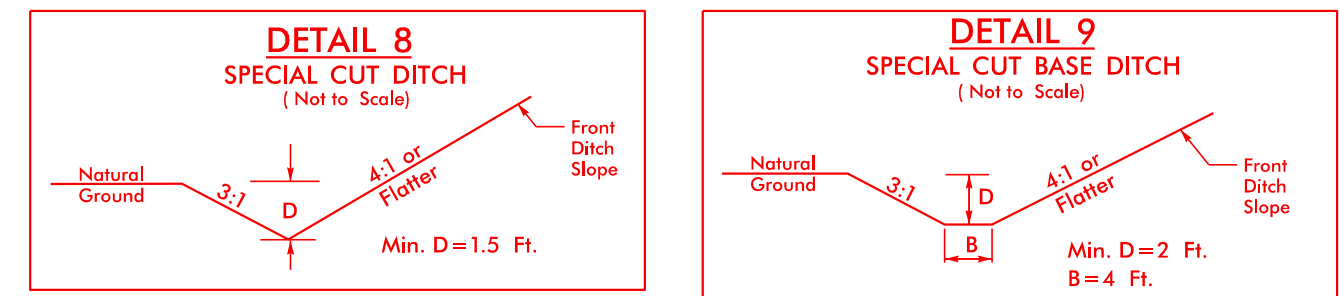
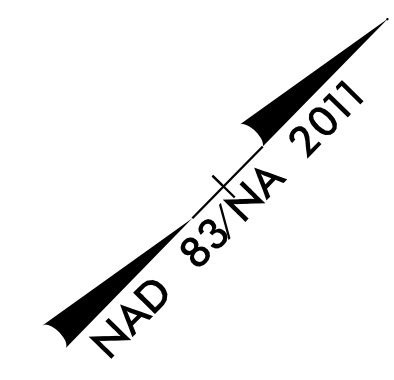
NAD 83/NA 2011

MATCHLINE -SRY21C2- STA 13+00 SEE SHEET 6

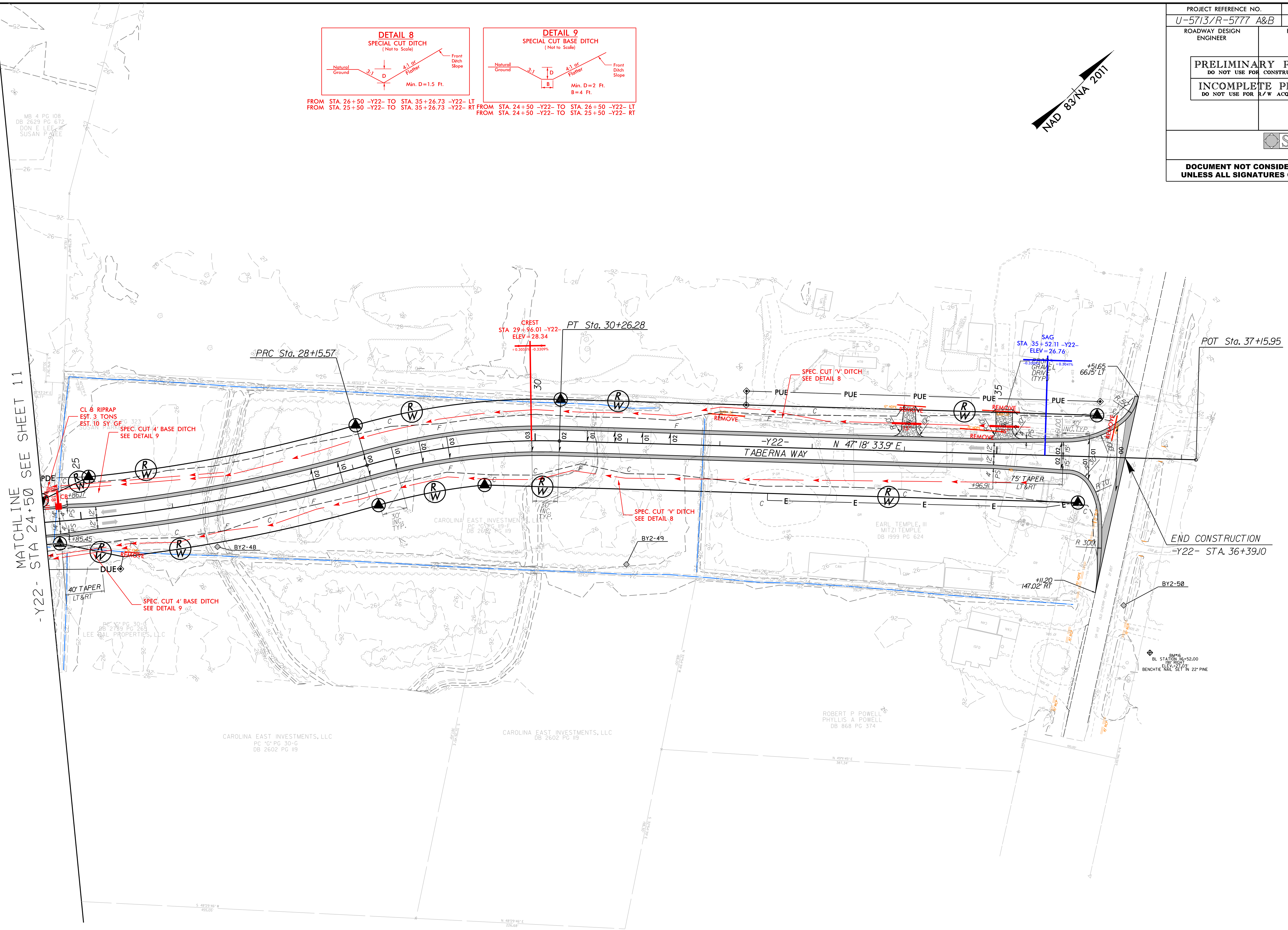


12/30/2019 10:57:33 AM U-5713-R-5777_Hyd_PSH_21.dgn

FOR -SRY21C2- PROFILE SEE SHEET 70
SEE SHEET 3A-1 TO 3A-3 FOR CURVE DATA



FROM STA. 26+50 -Y22- TO STA. 35+26.73 -Y22- LT
FROM STA. 25+50 -Y22- TO STA. 35+26.73 -Y22- RT
FROM STA. 24+50 -Y22- TO STA. 26+50 -Y22- LT
FROM STA. 24+50 -Y22- TO STA. 25+50 -Y22- RT

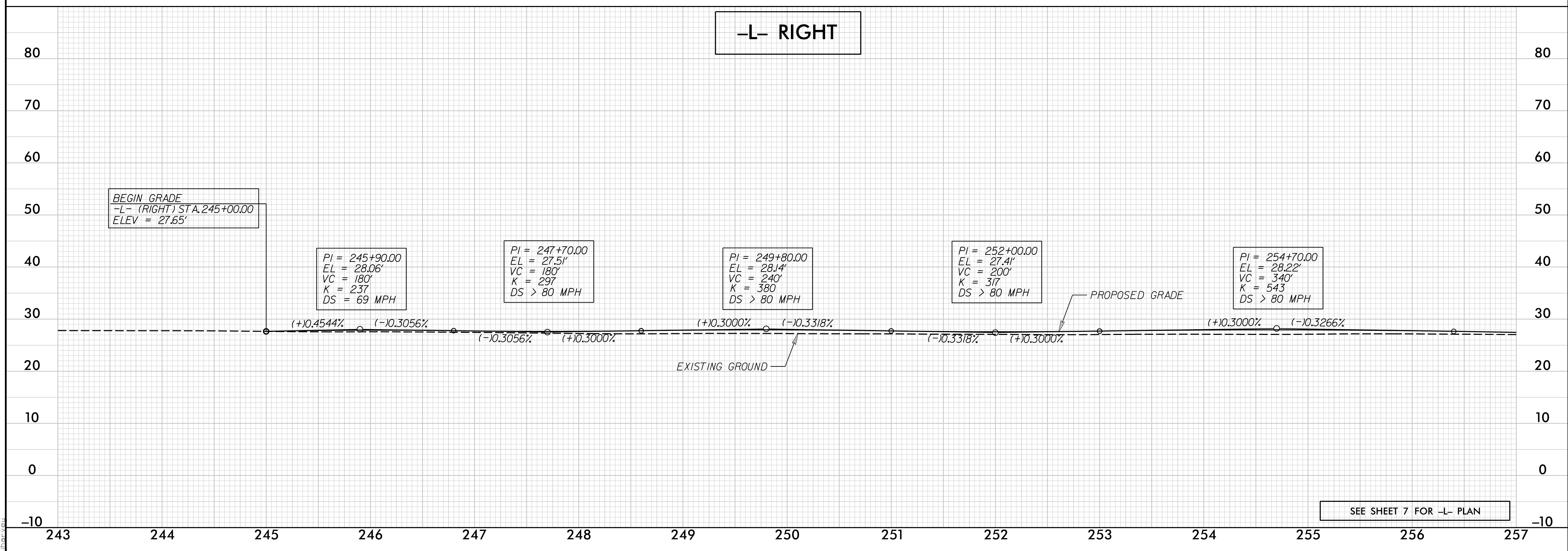
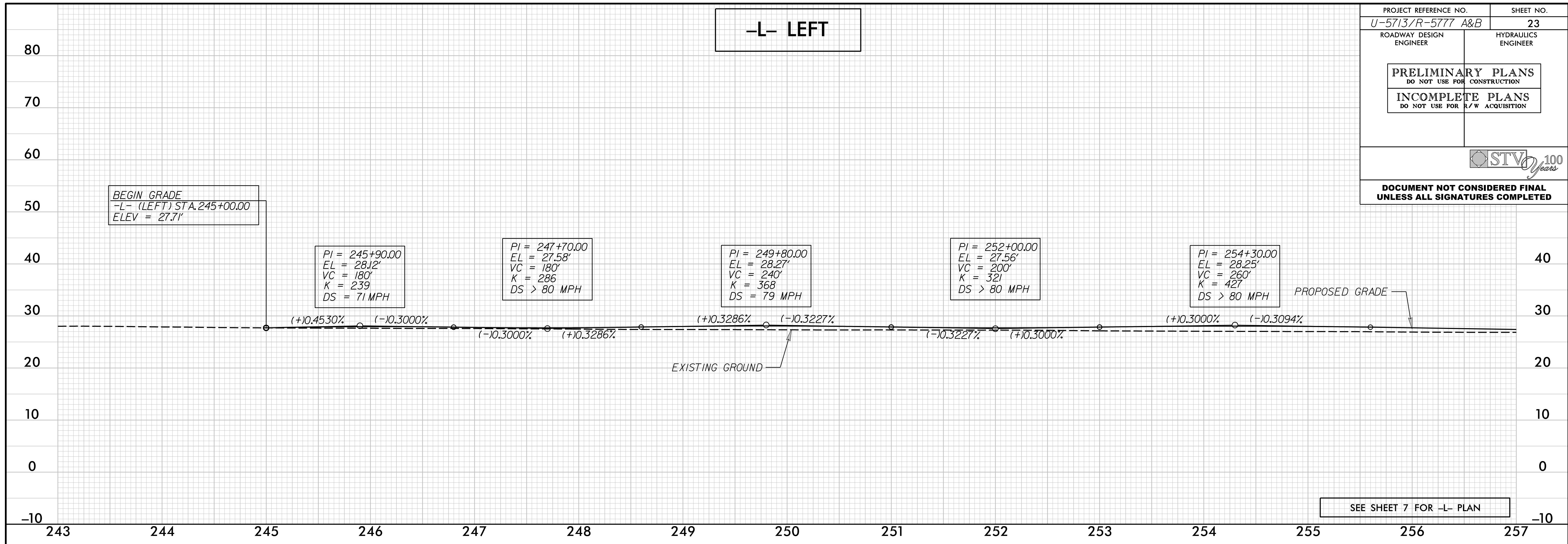


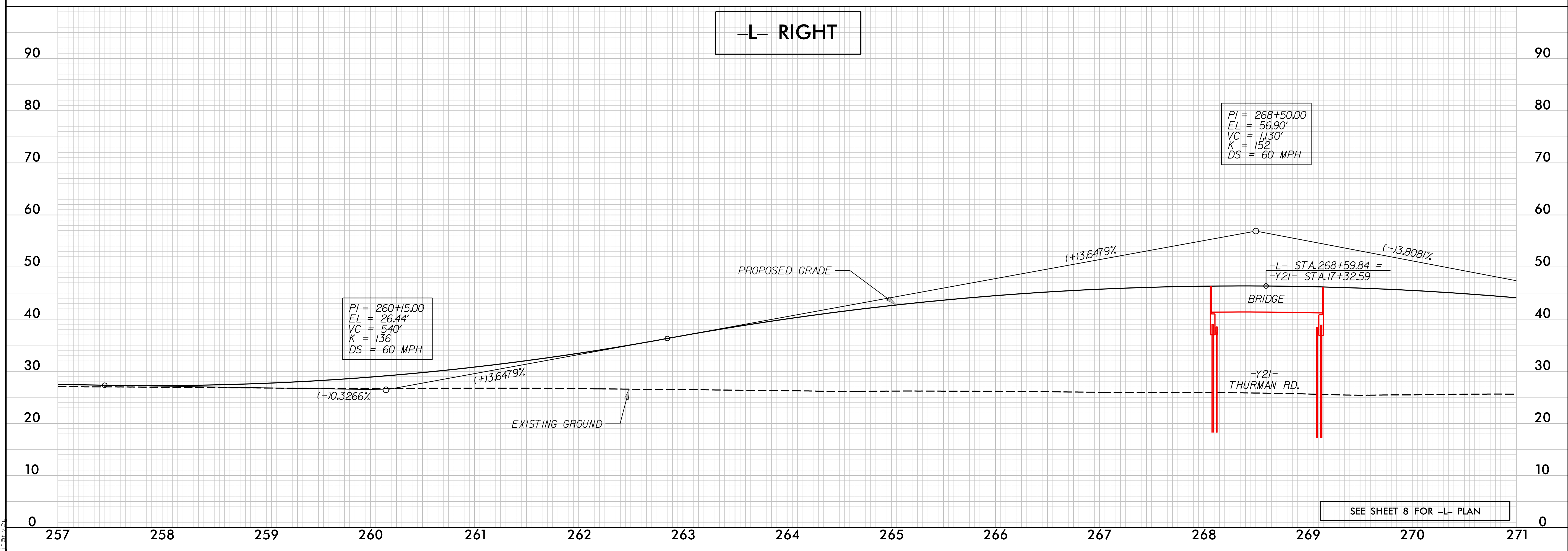
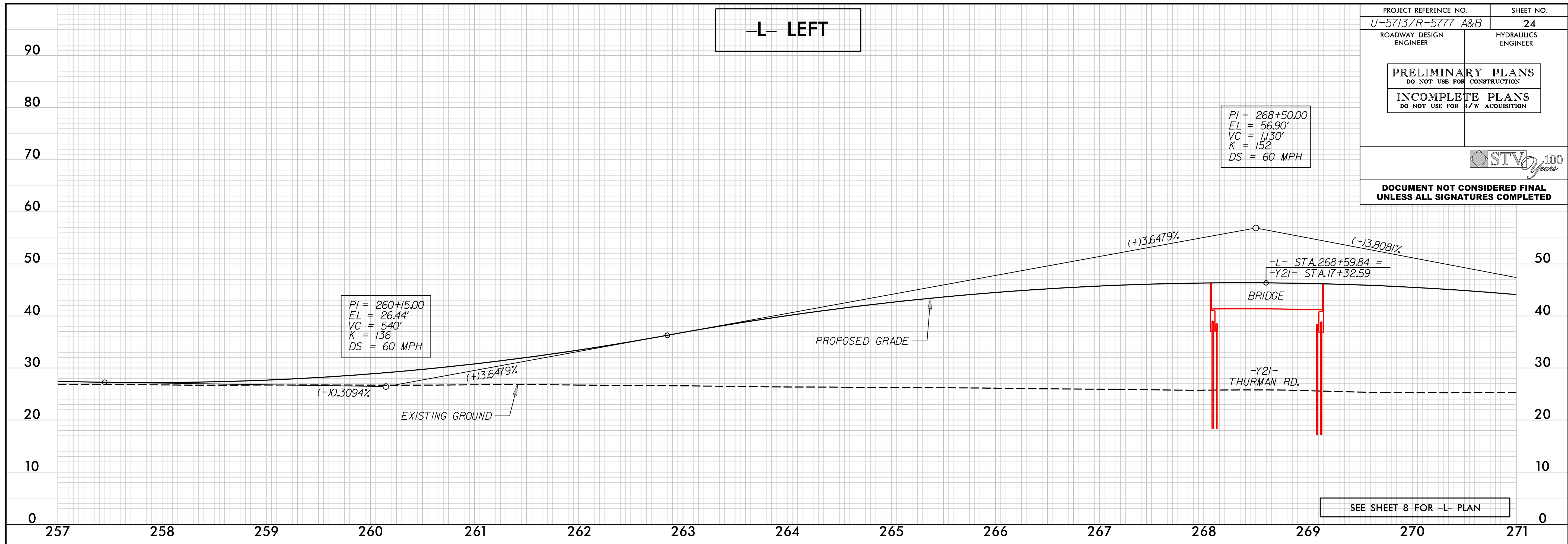
MATCHLINE SEE SHEET 11
-Y22- STA 24+50

END CONSTRUCTION
-Y22- STA. 36+39.10

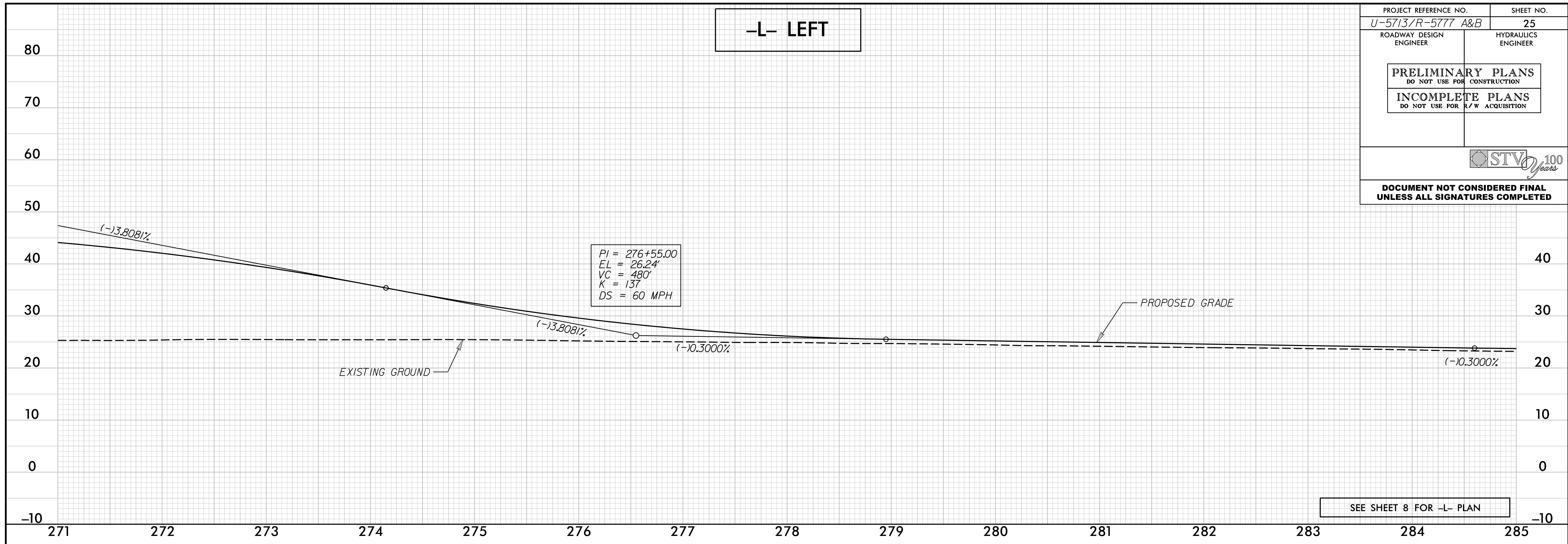
12/30/2019
15:47:33
R5777_Hyd_PSH_22.dgn
D:\V\...

FOR -Y22- PROFILE SEE SHEET 47
SEE SHEET 3A-1 TO 3A-3 FOR CURVE DATA

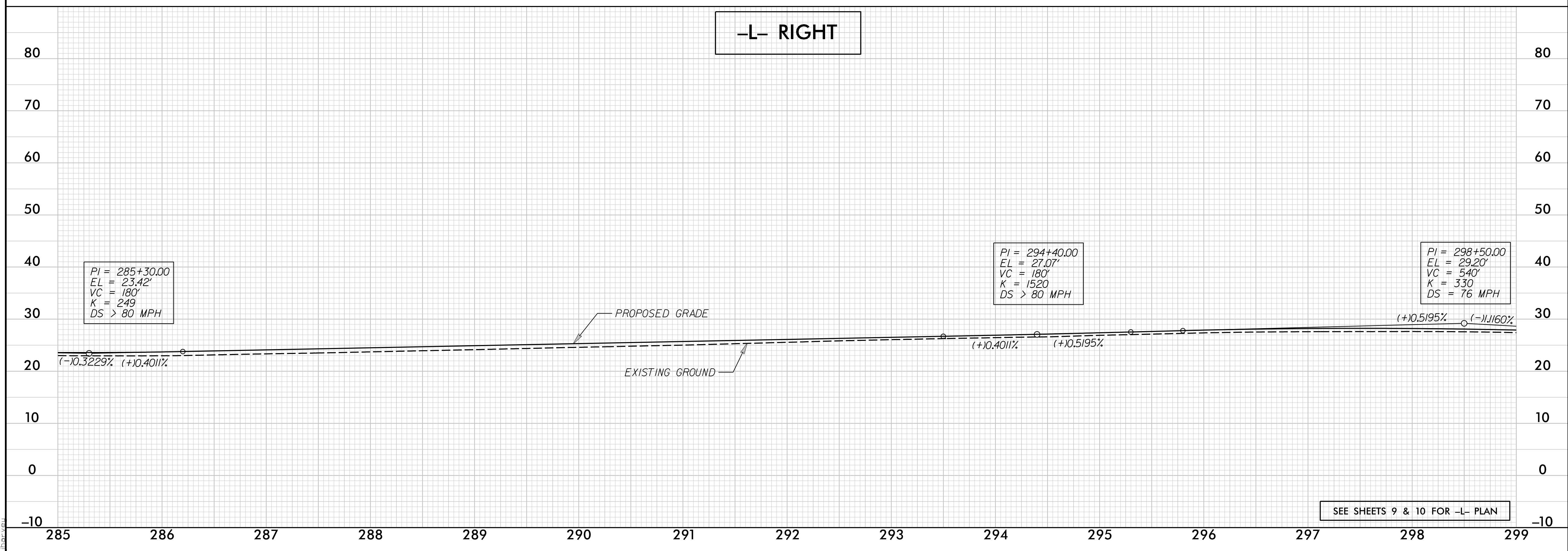
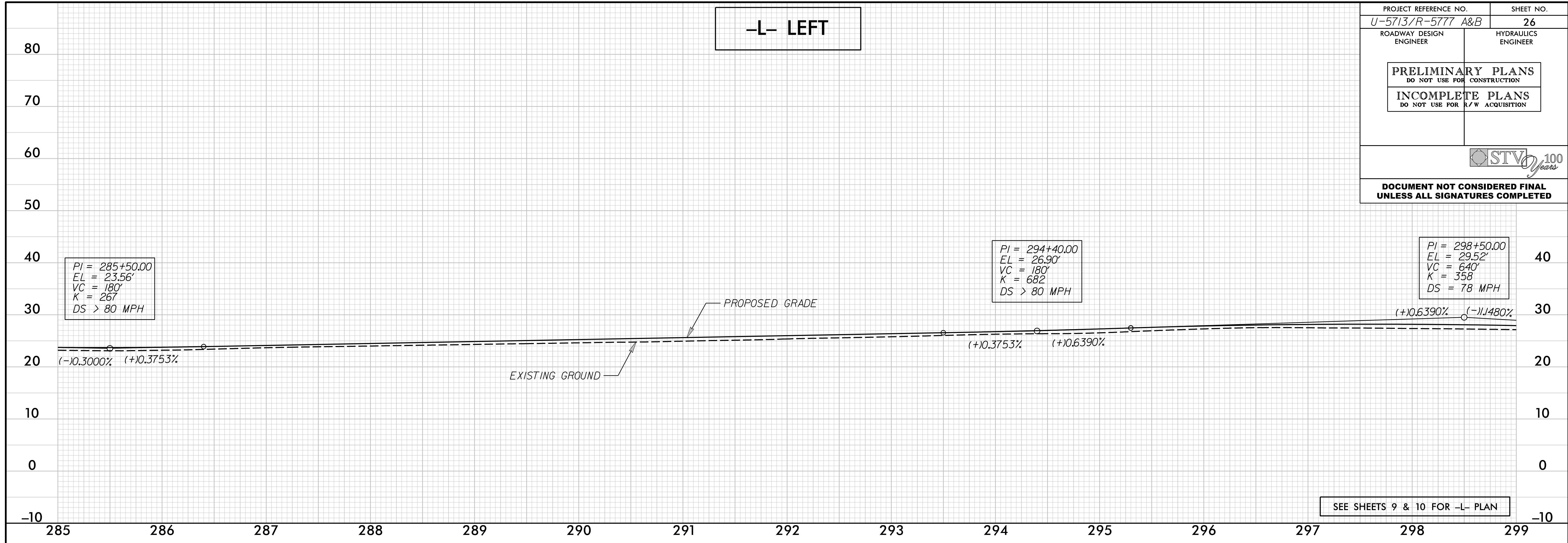




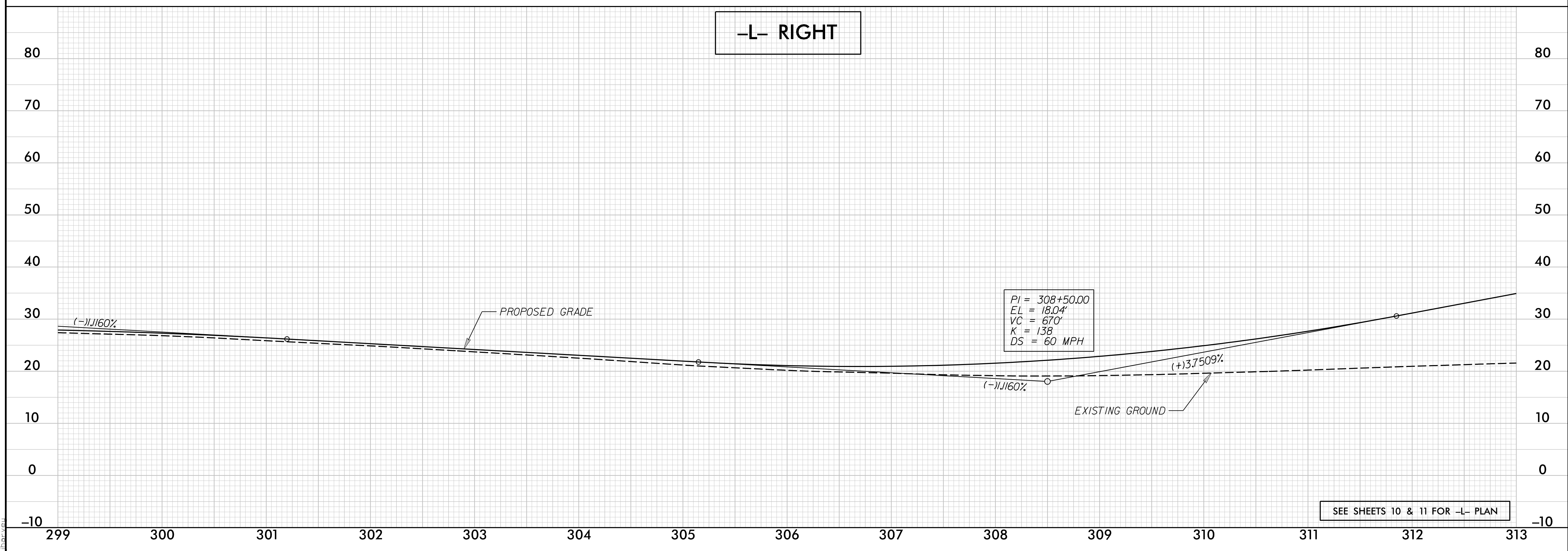
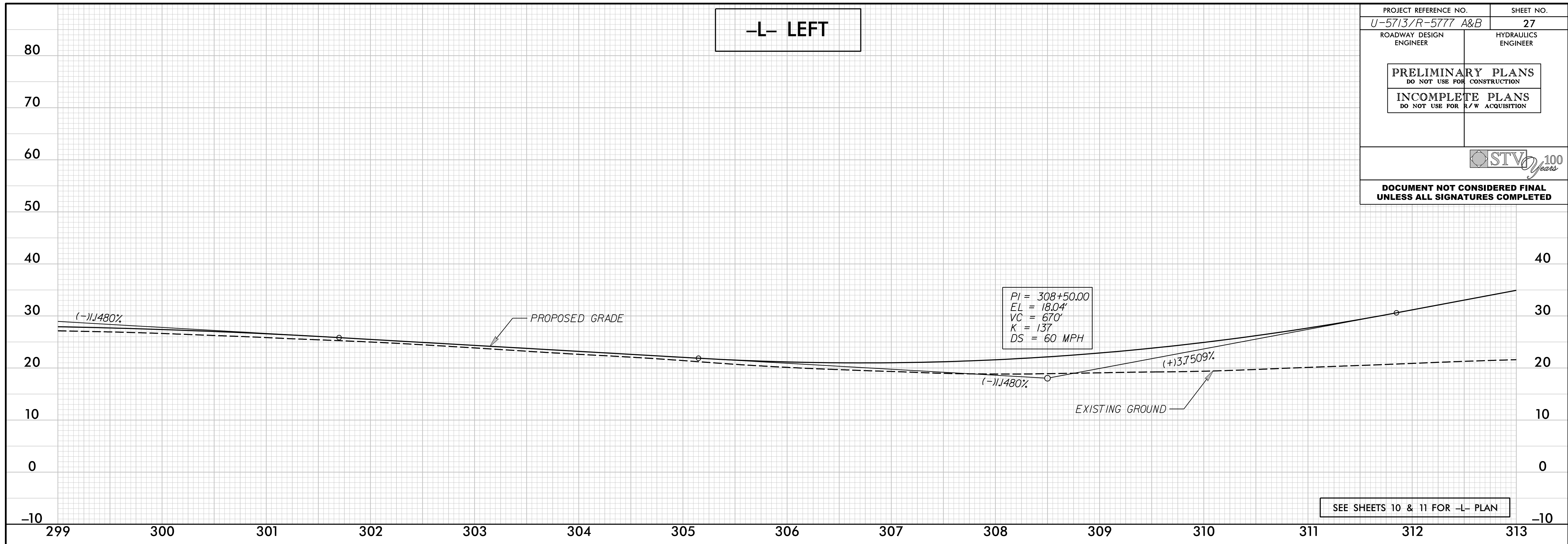
1/26/2018 8:07:17 AM Hyd_PSH_24.plt.dgn
 libava



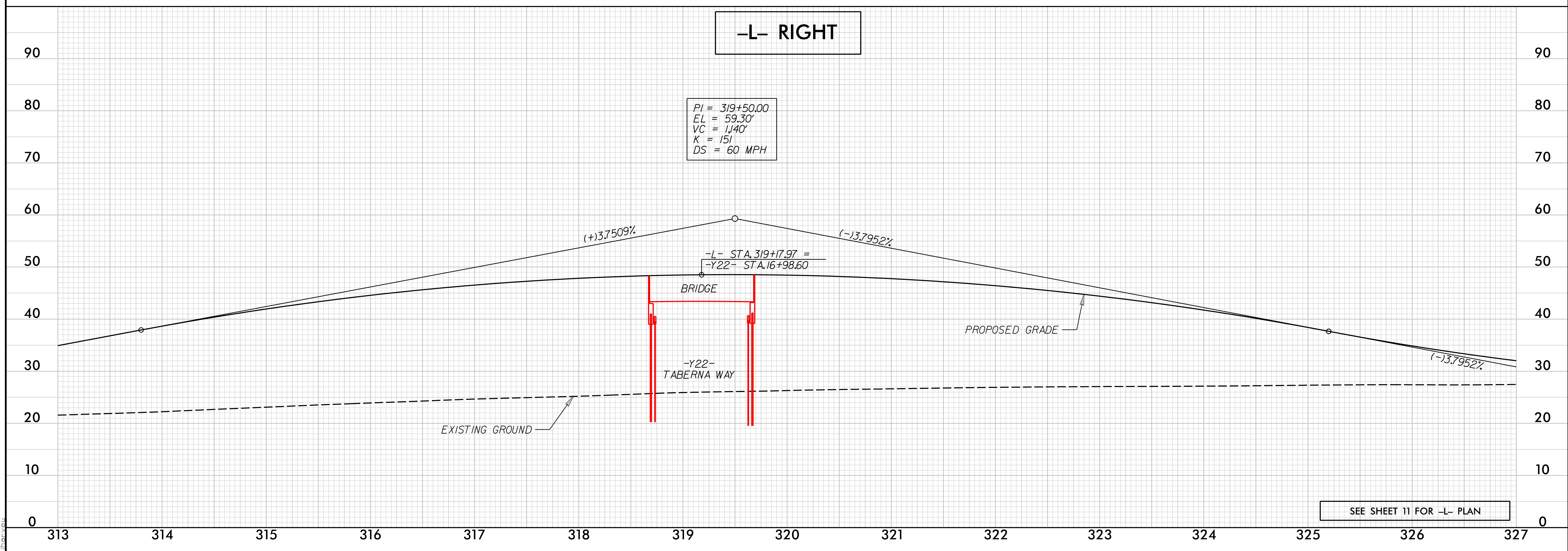
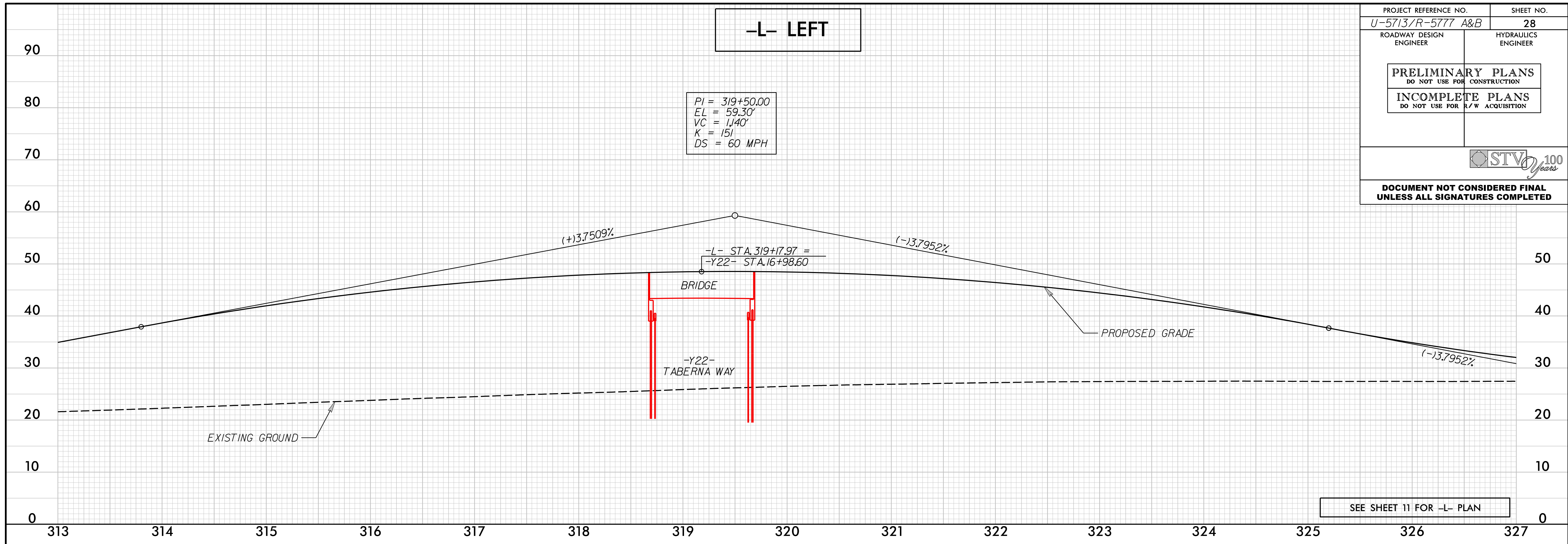
12/6/2018 10:57:13 AM U-5713-R-5777-Hyd-PSH-25.plt.dgn
 [unintelligible]



12/13/2018 10:57:13 AM U-5713-R-5777-Hyd-PSH-26.plt.dgn
 [Signature]

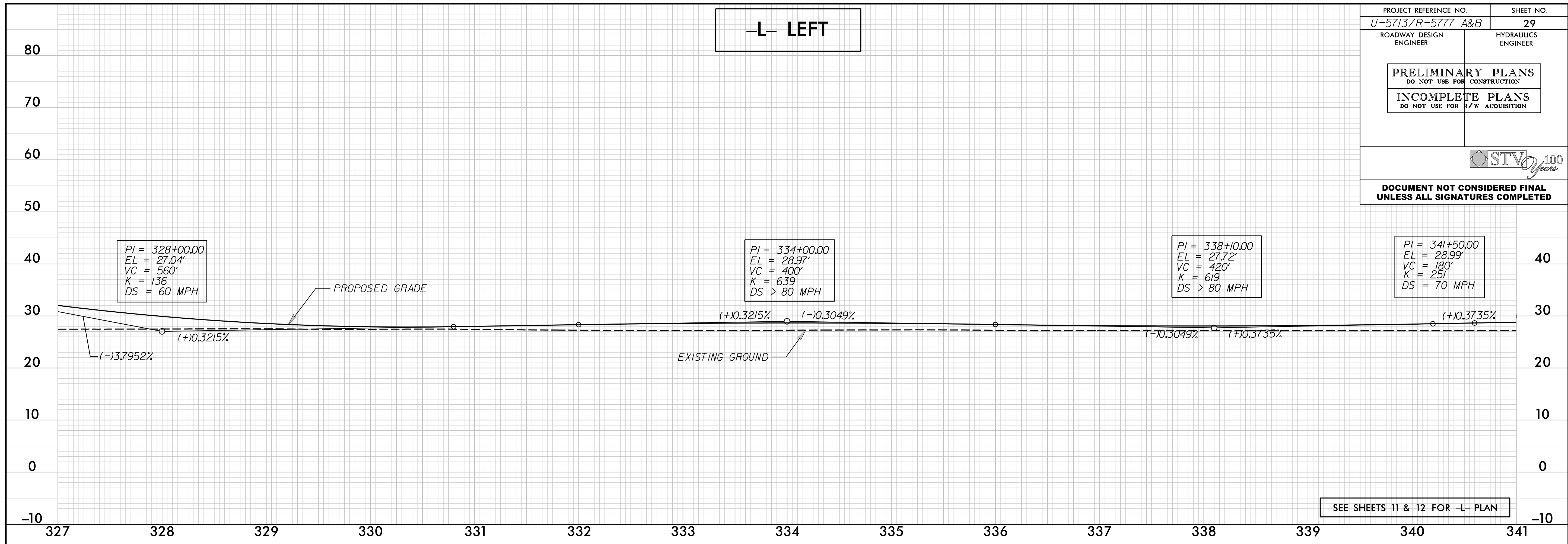


12/13/2018 8:07:17 AM Hyd_PSH_27.rvt.dgn
 [Signature]



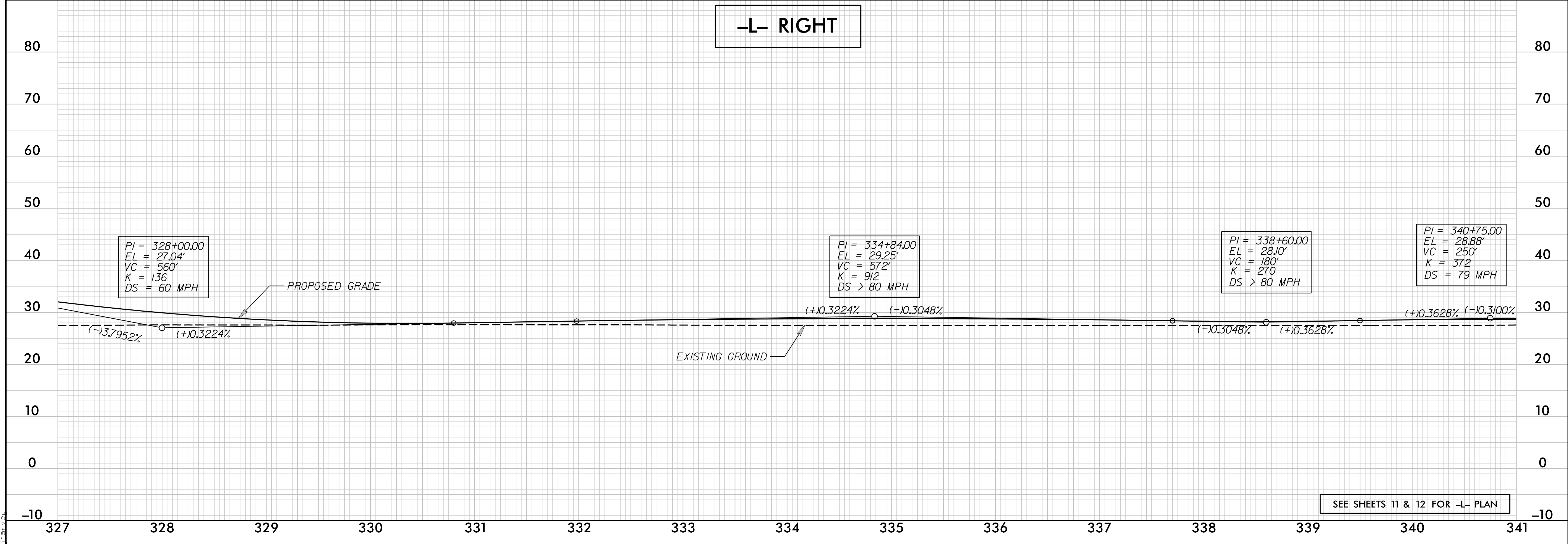
12/13/2018 8:07:17 AM Hyd_PSH_28.plt.dgn
 [Signature]

-L- LEFT

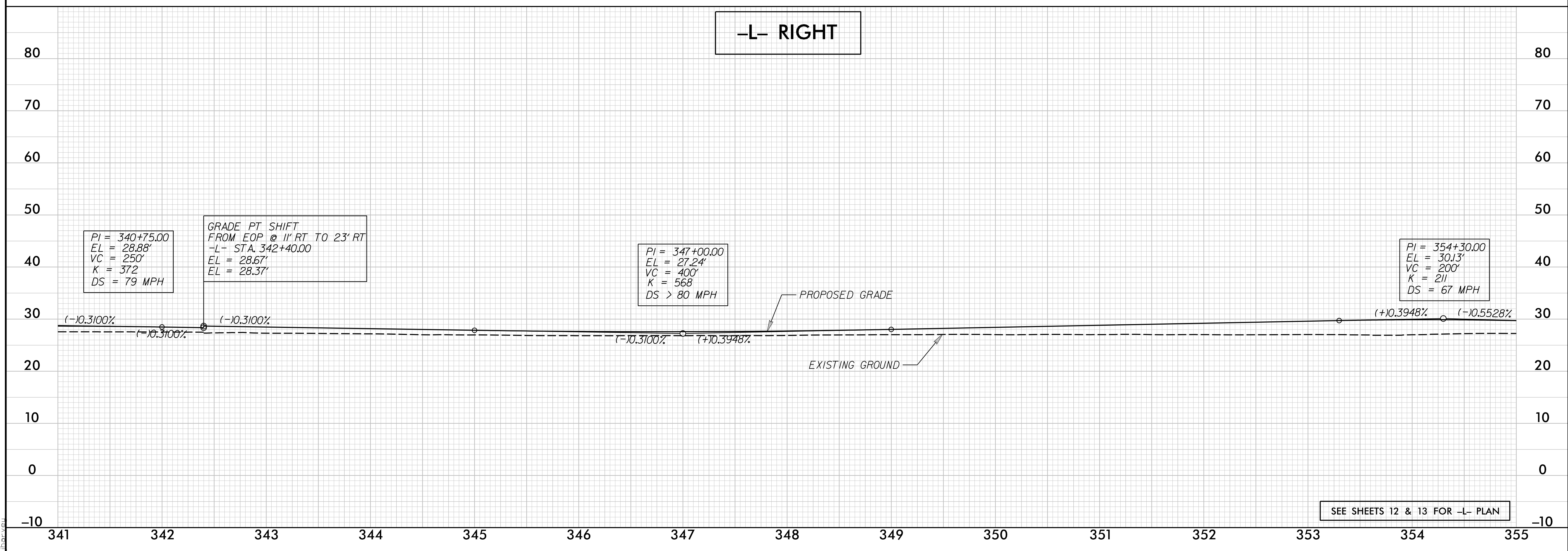
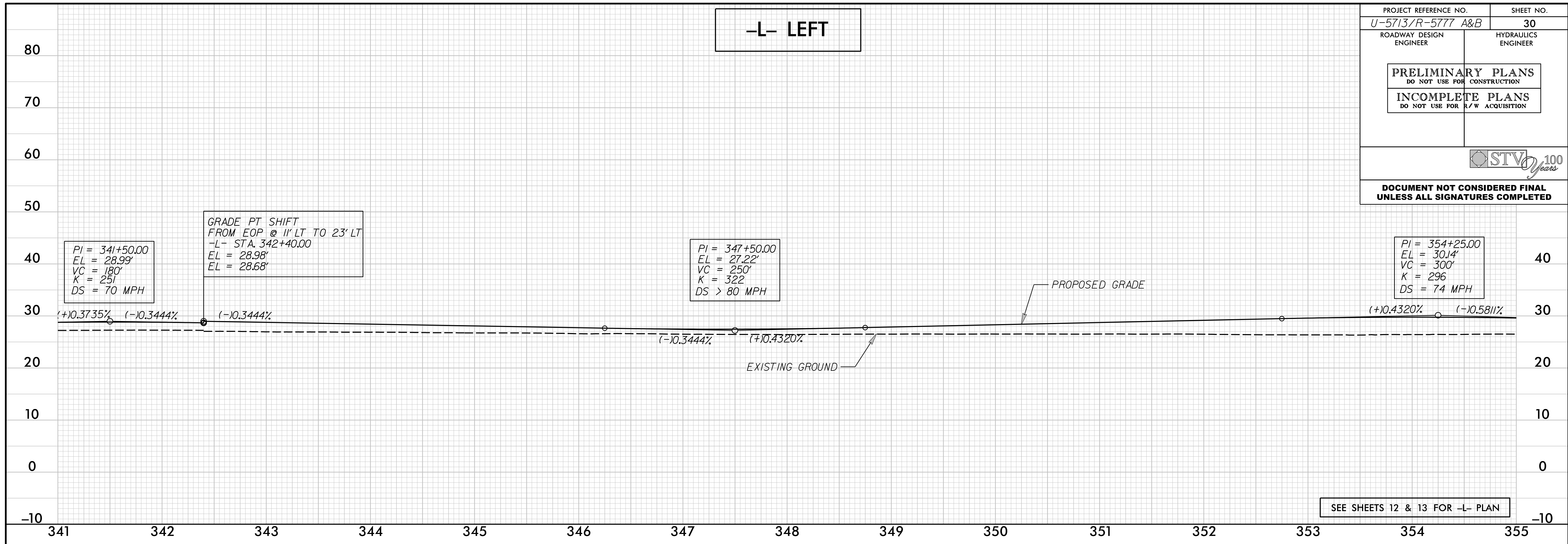


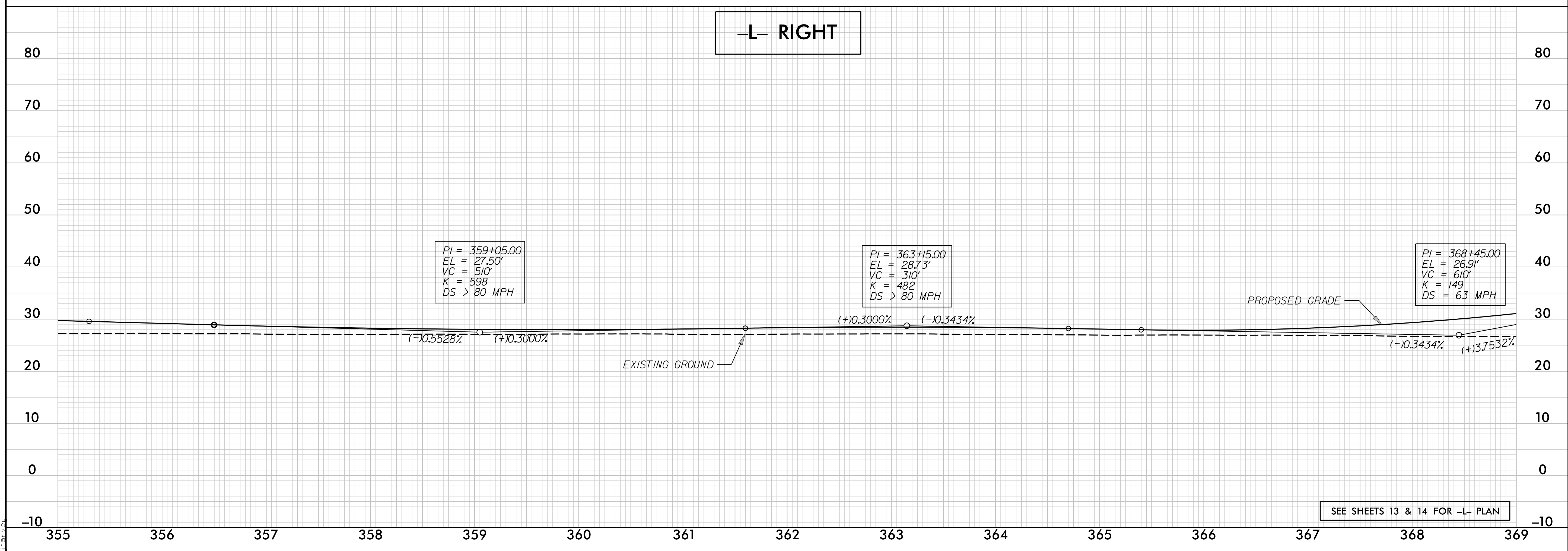
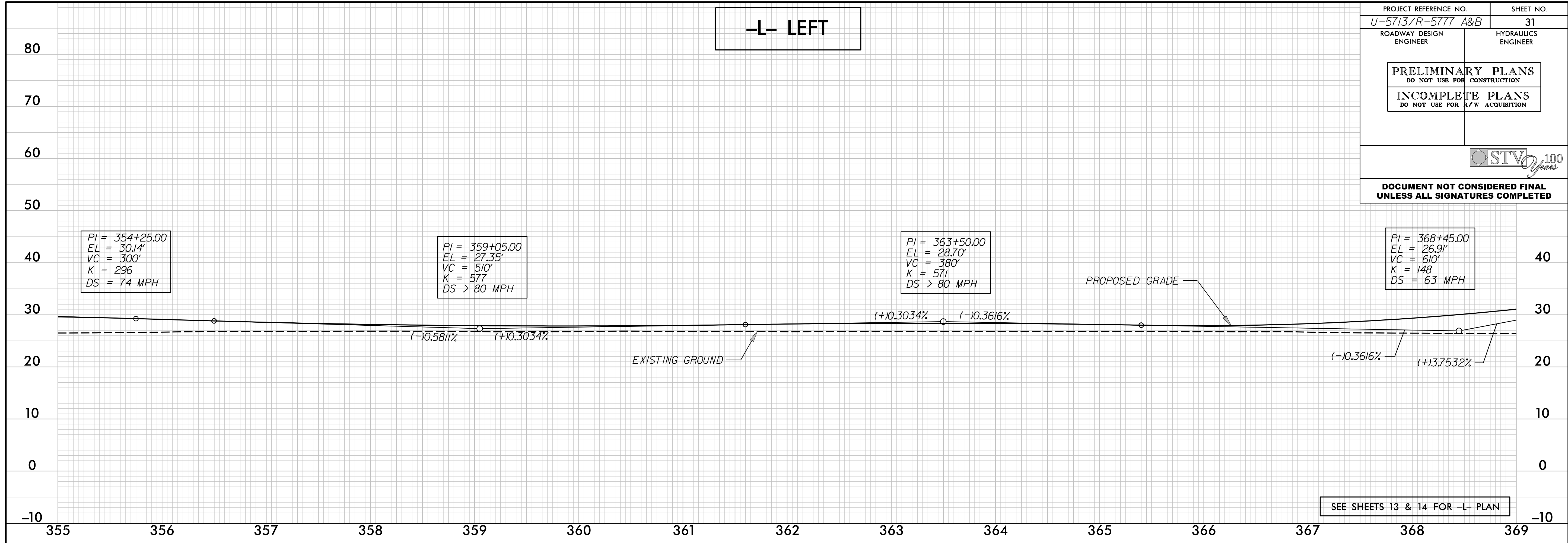
SEE SHEETS 11 & 12 FOR -L- PLAN

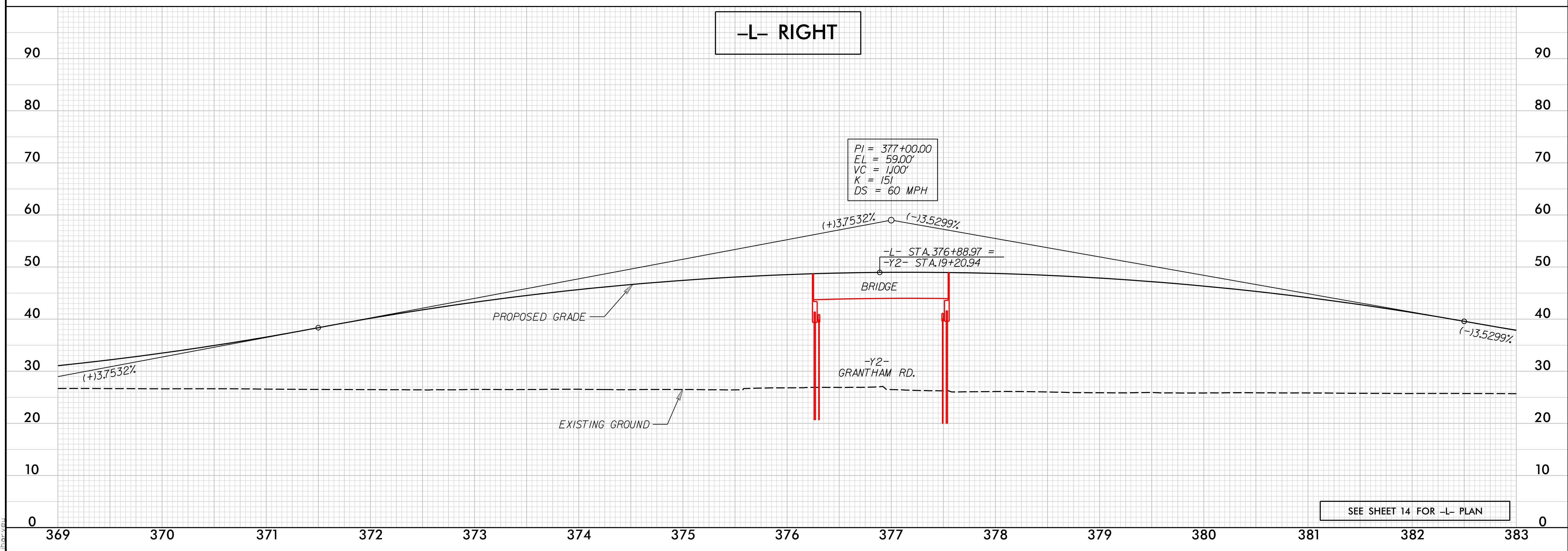
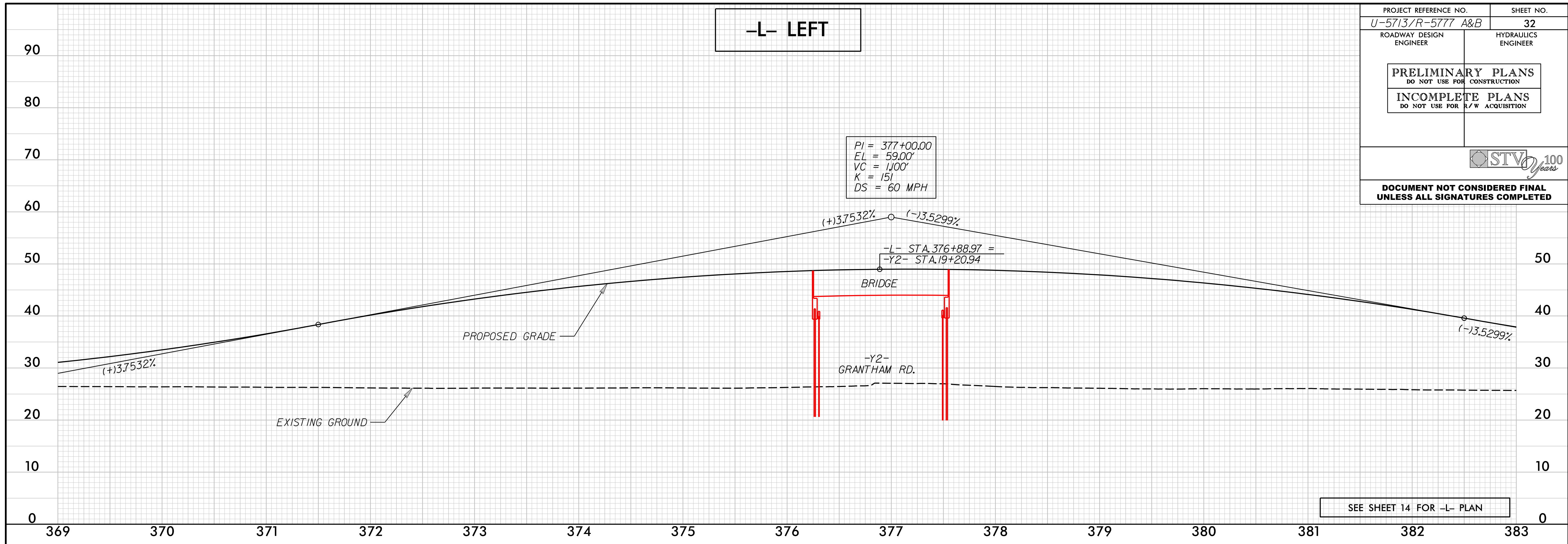
-L- RIGHT



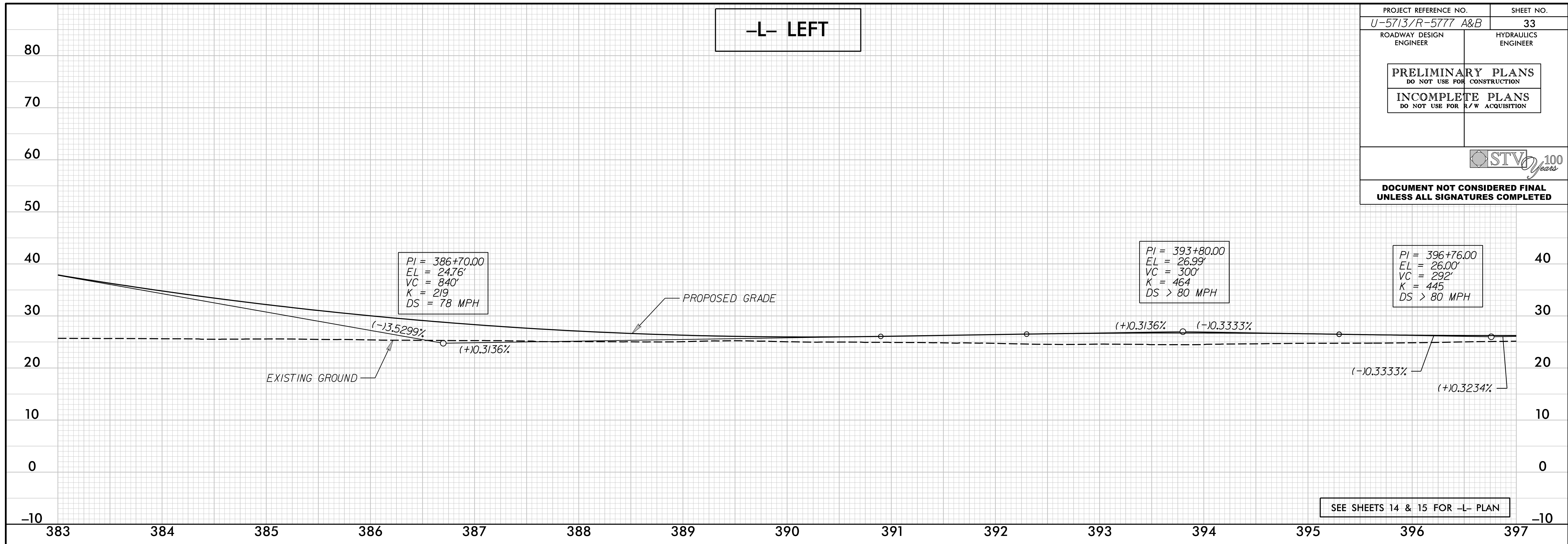
SEE SHEETS 11 & 12 FOR -L- PLAN

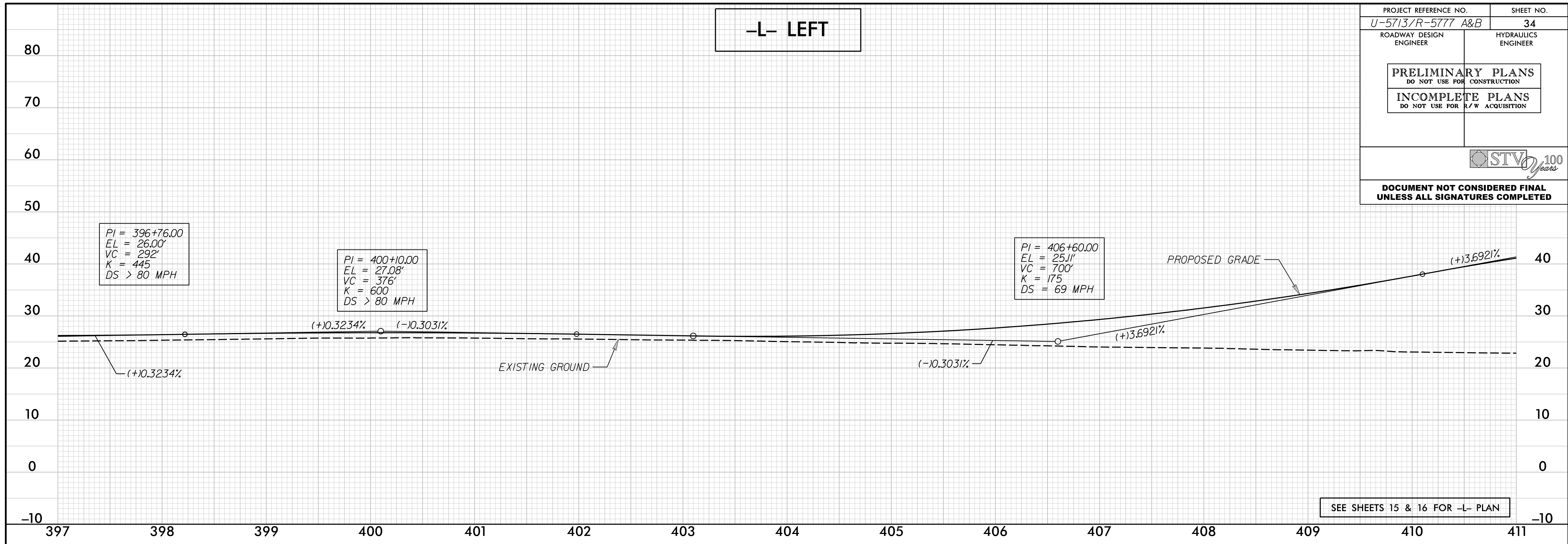


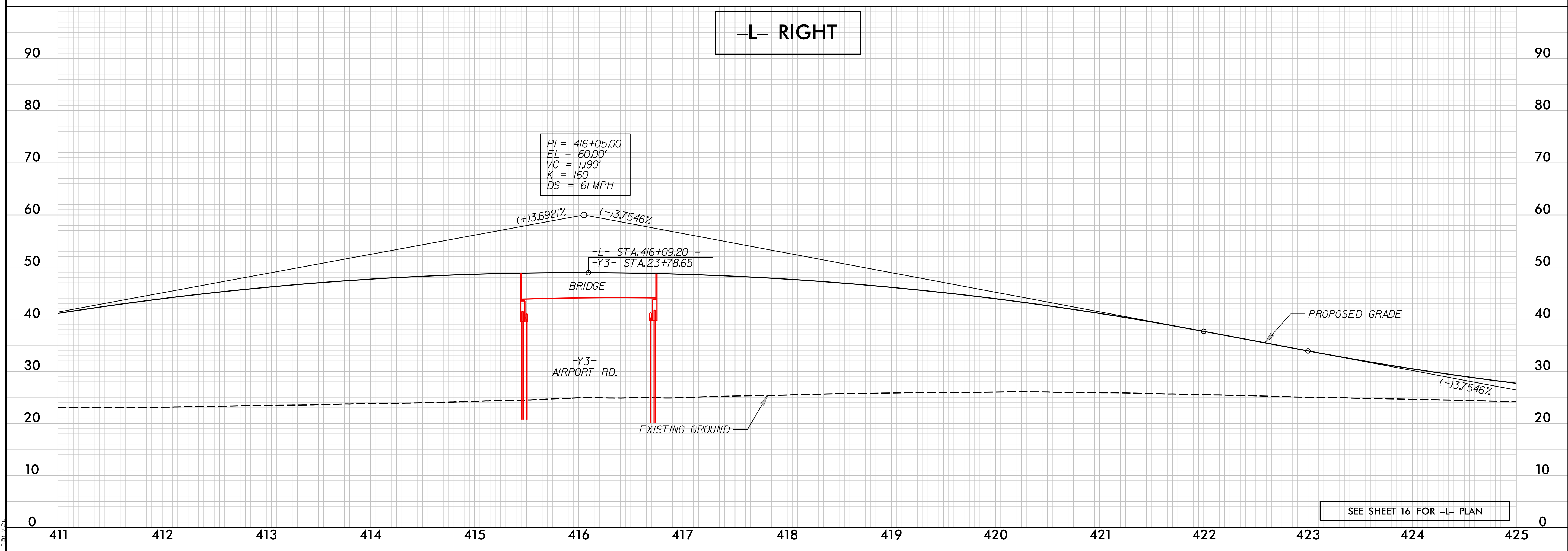
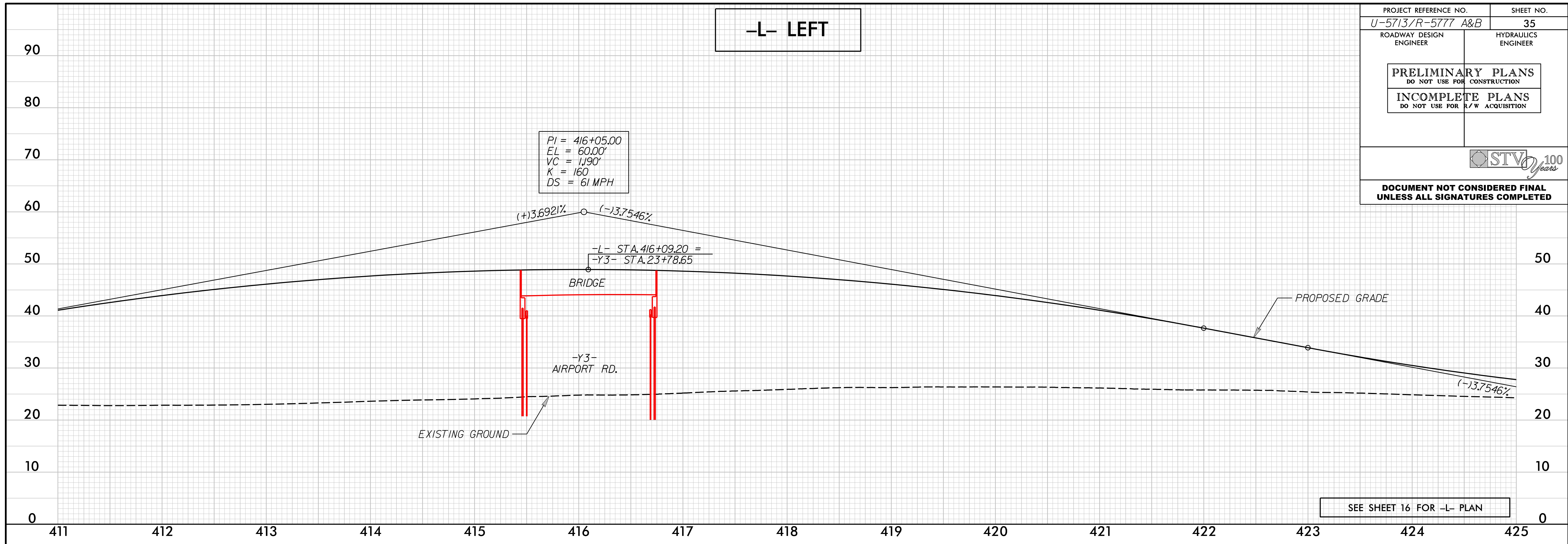




12/13/2018 10:17:33 AM 177_Hyd_PSH_32.rvt.dgn

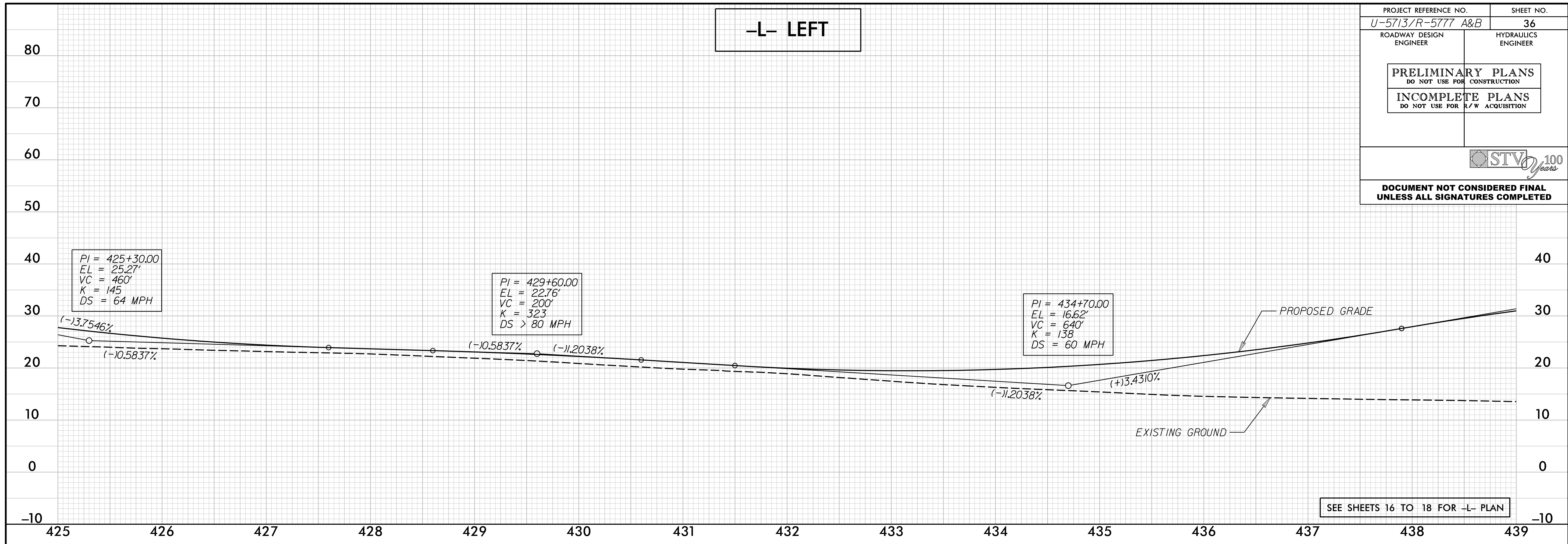






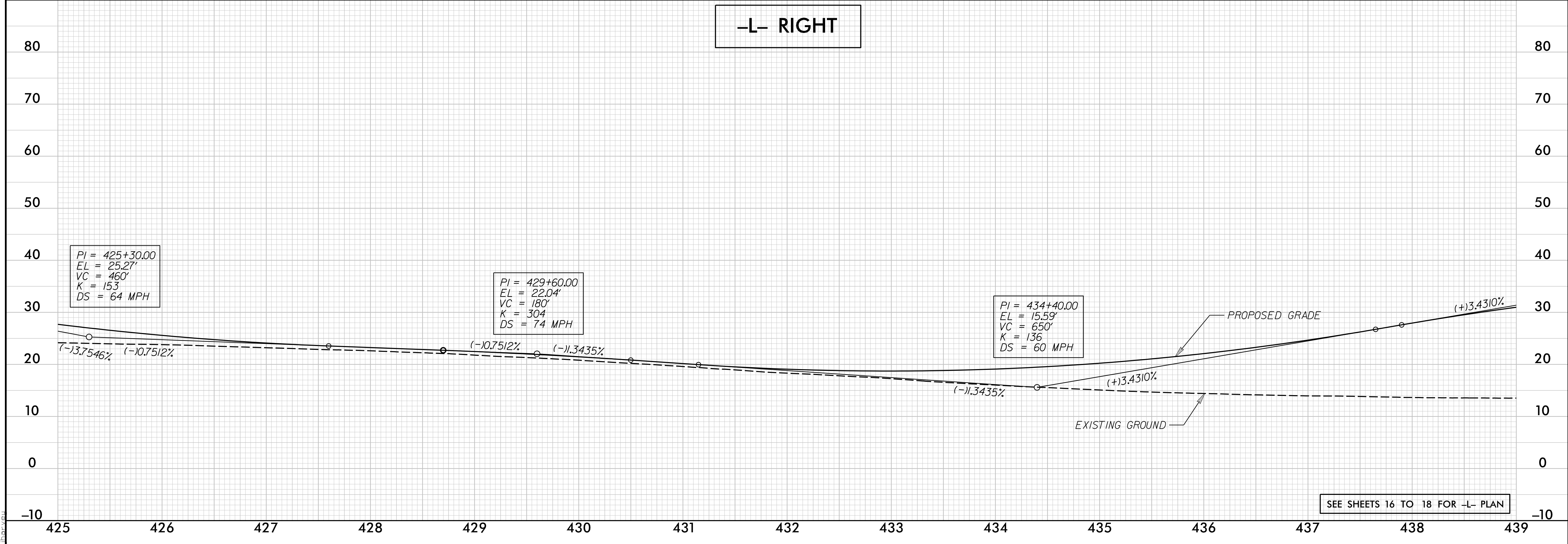
12/30/2018
 U-5713-R-5777-Hyd-PSH-35.plt.dgn
 jbarbeau

-L- LEFT




SEE SHEETS 16 TO 18 FOR -L- PLAN

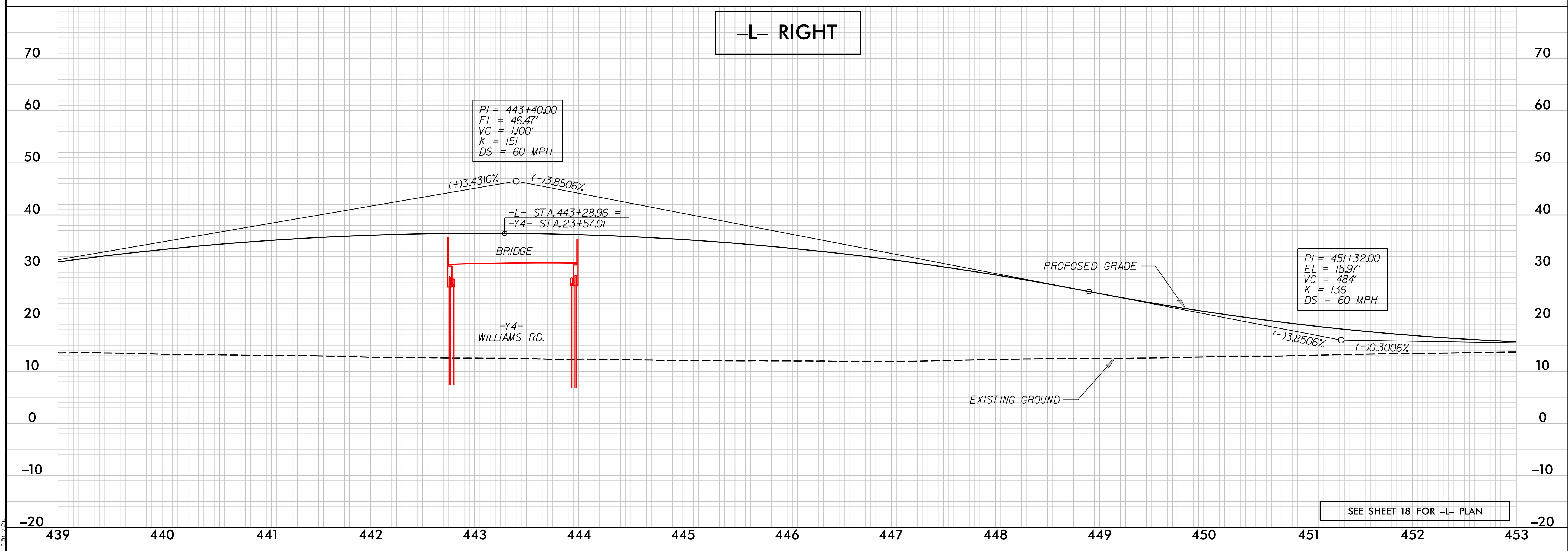
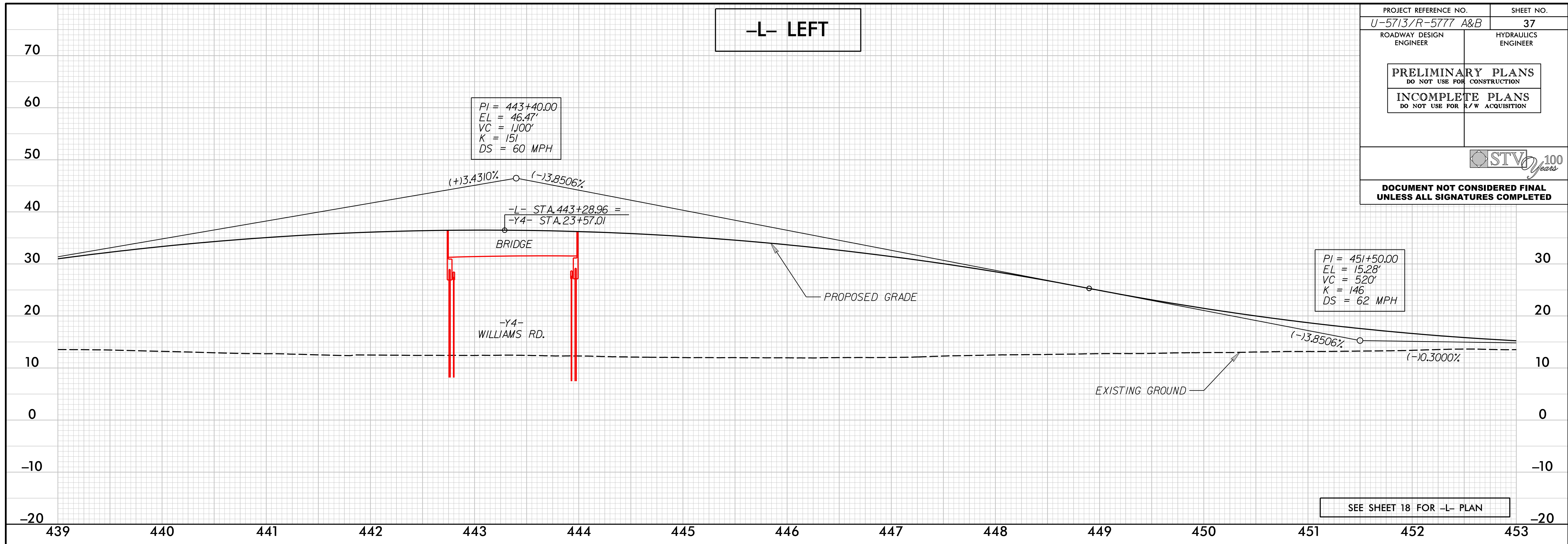
-L- RIGHT



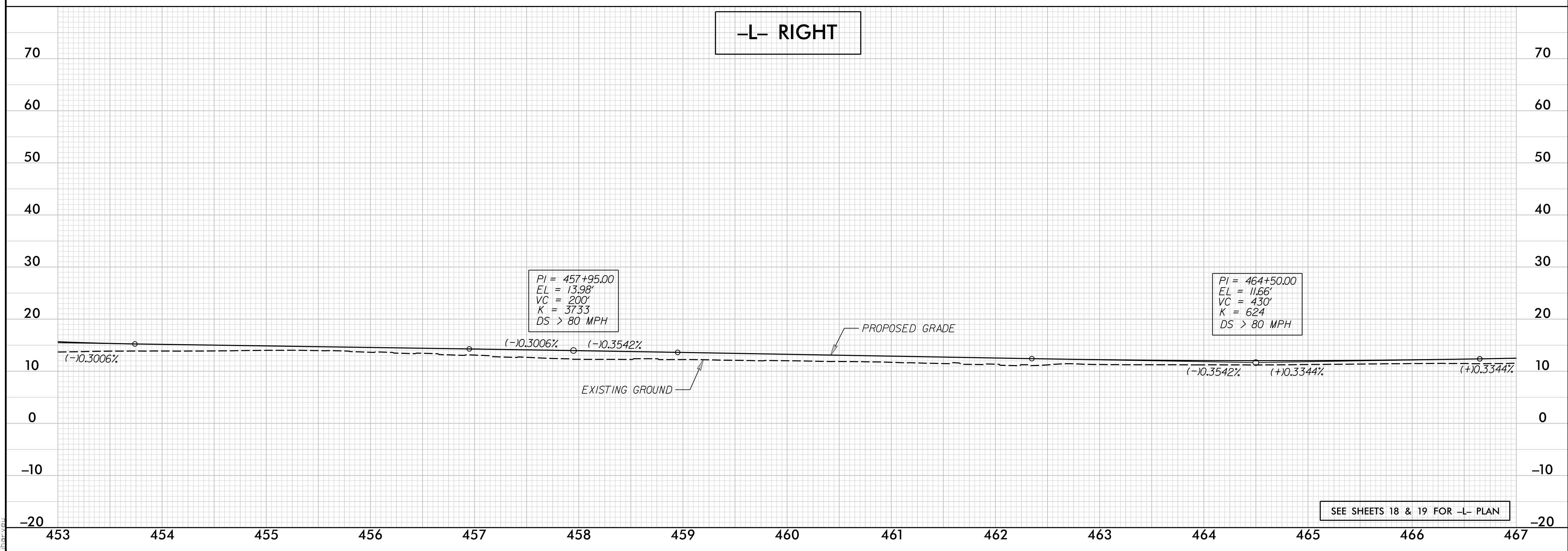
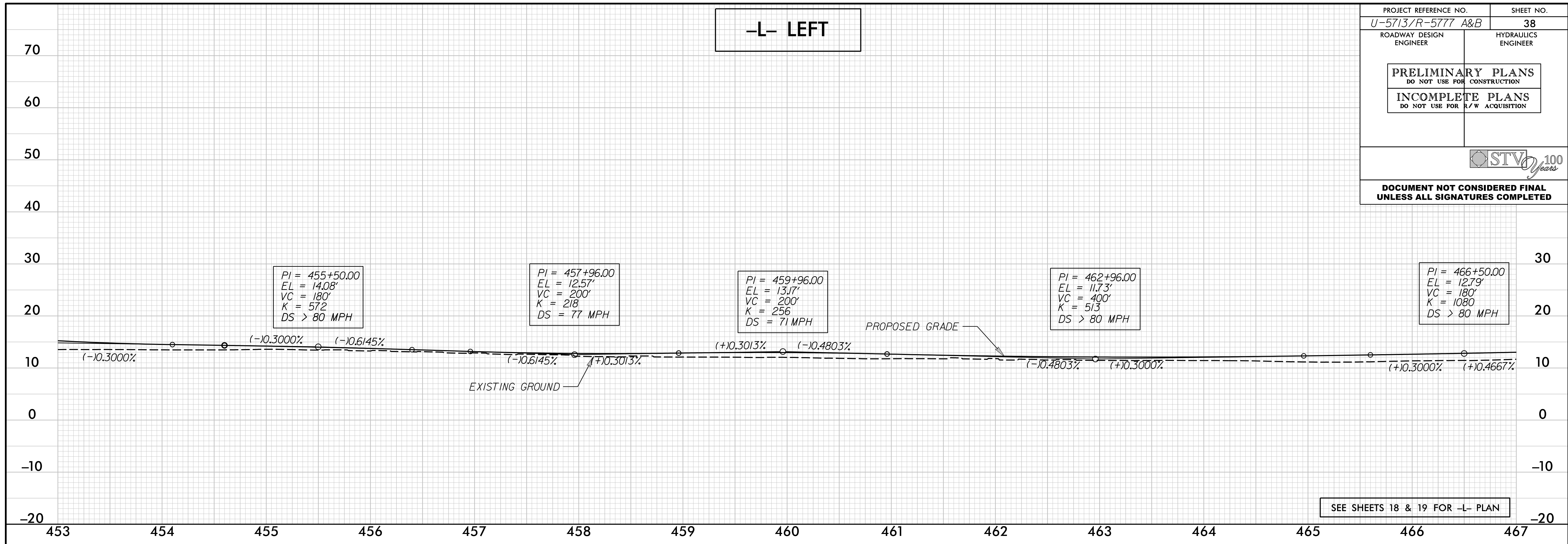
SEE SHEETS 16 TO 18 FOR -L- PLAN

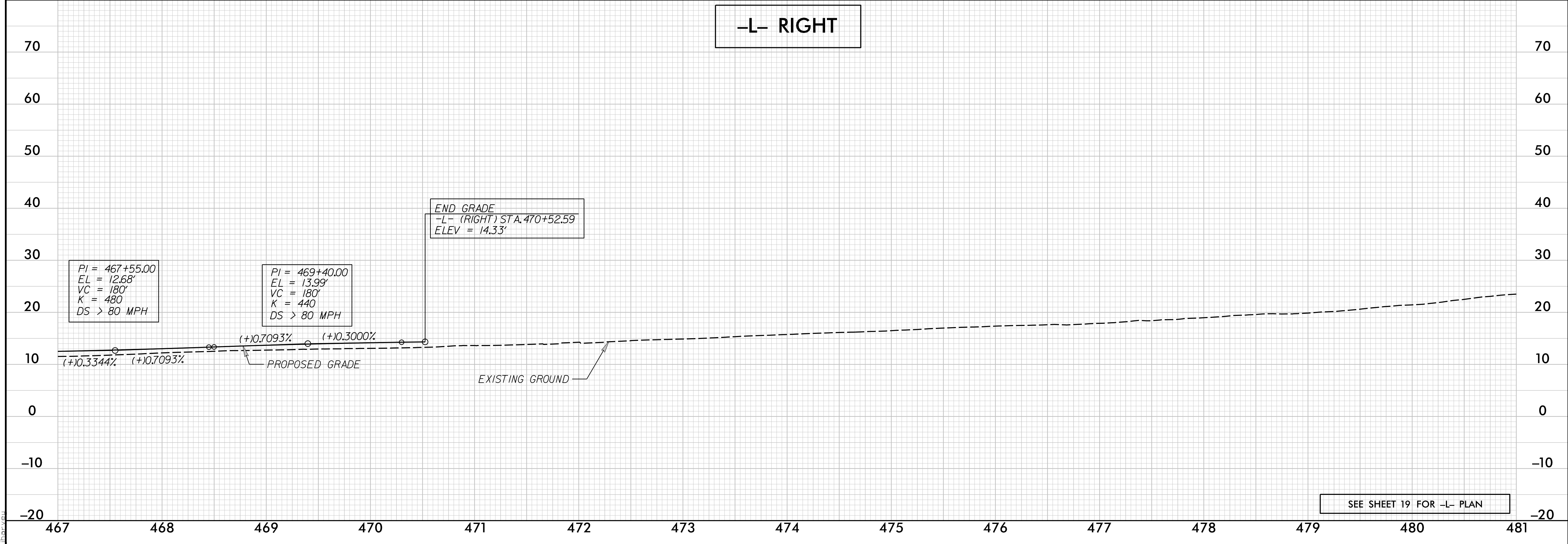
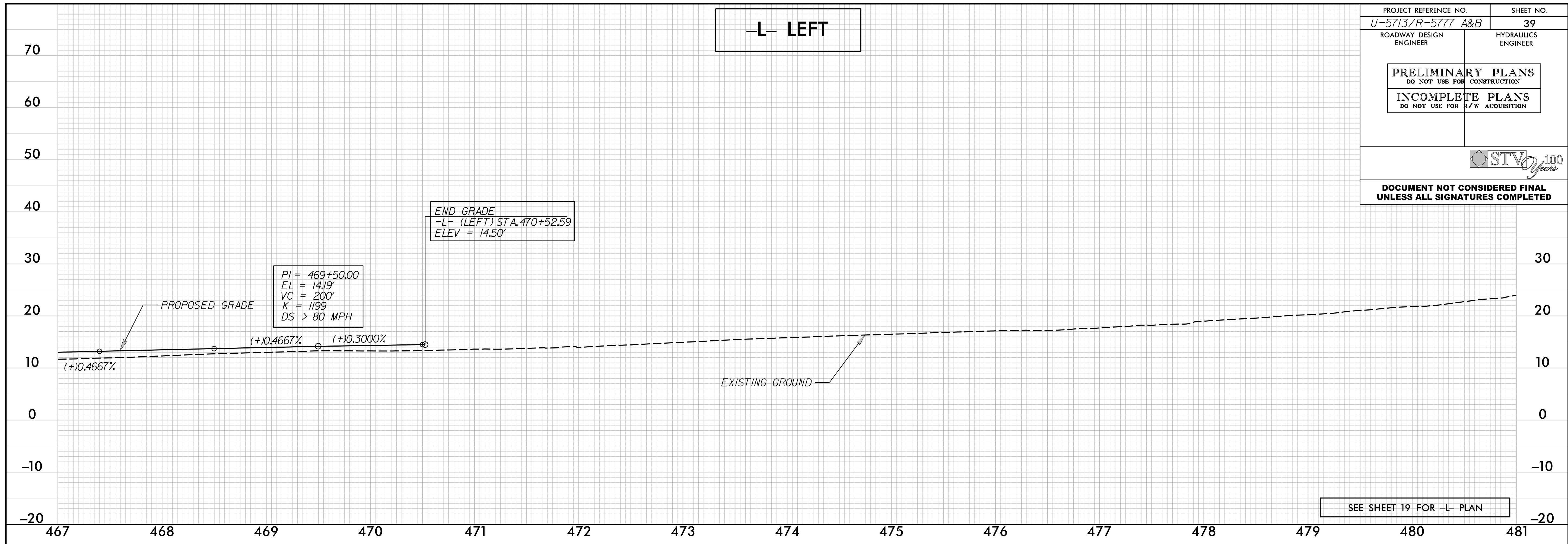
12/10/2018 10:13:50 AM U:\Hyd_PSH_36.rvt.dgn

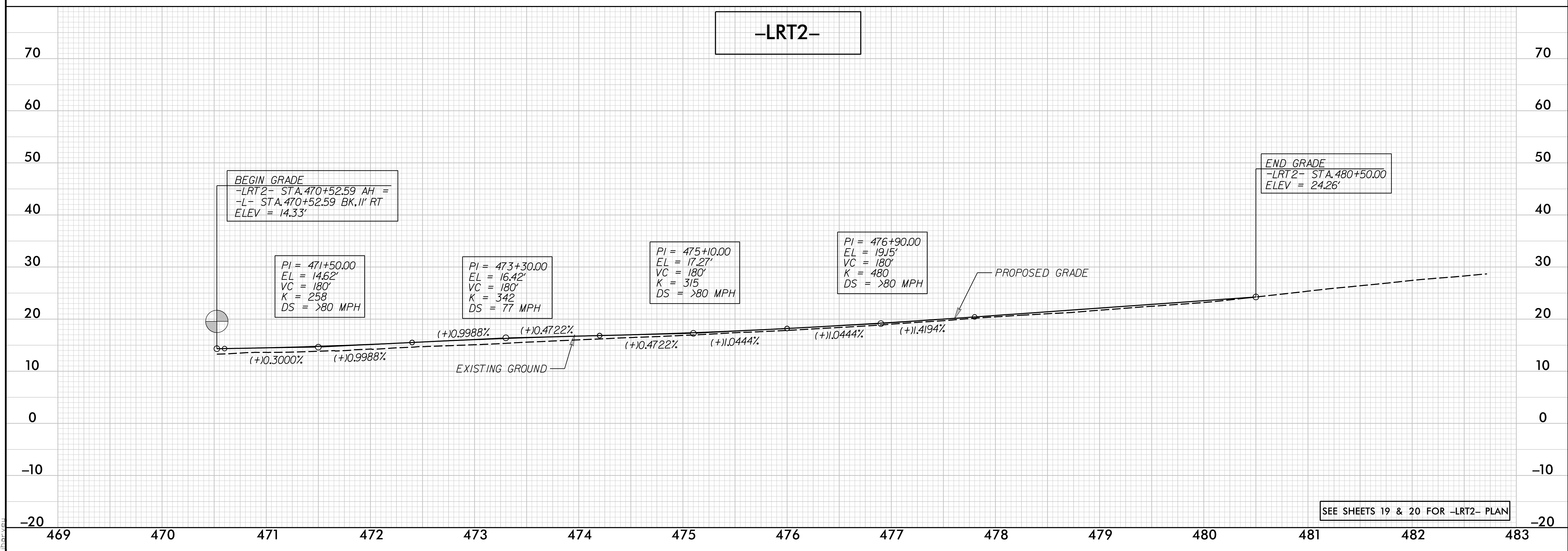
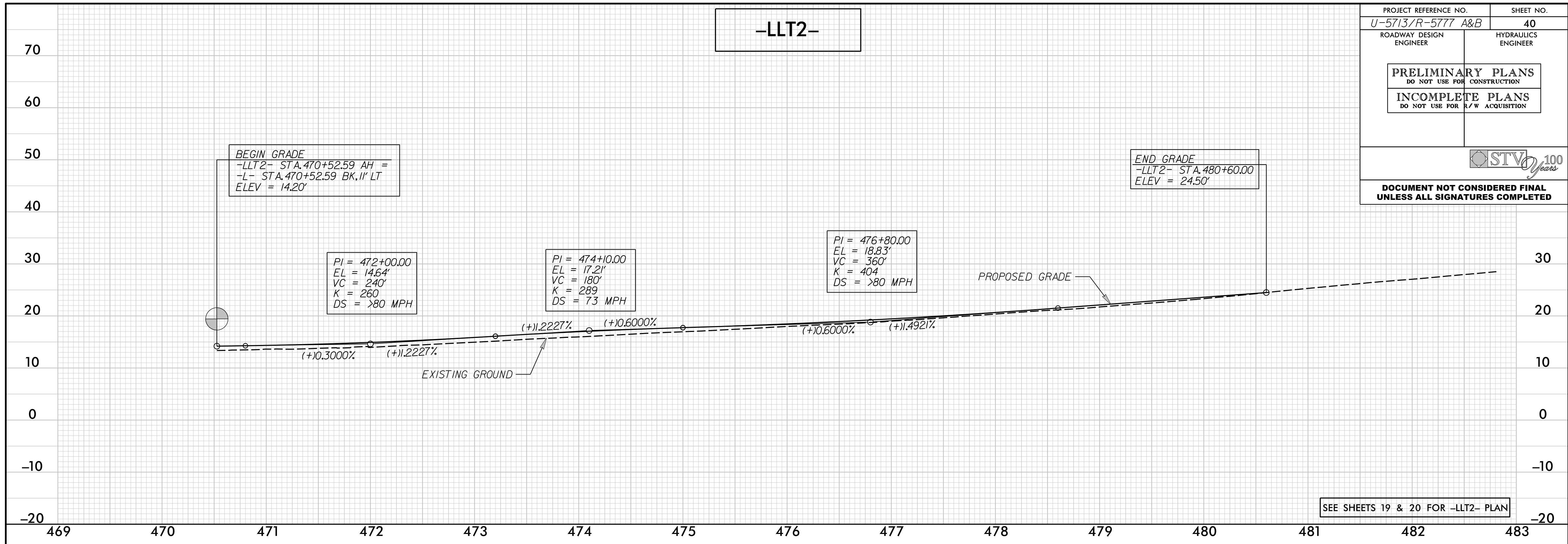
PROJECT REFERENCE NO. U-5713/R-5777 A&B	SHEET NO. 37
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



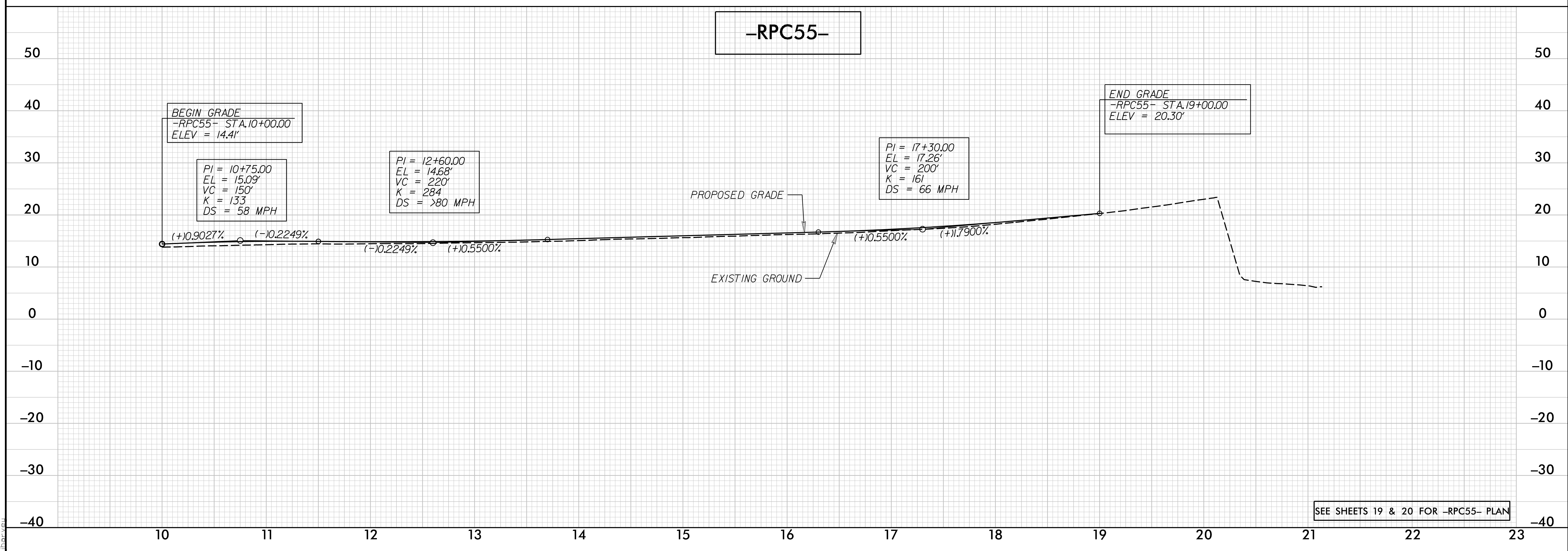
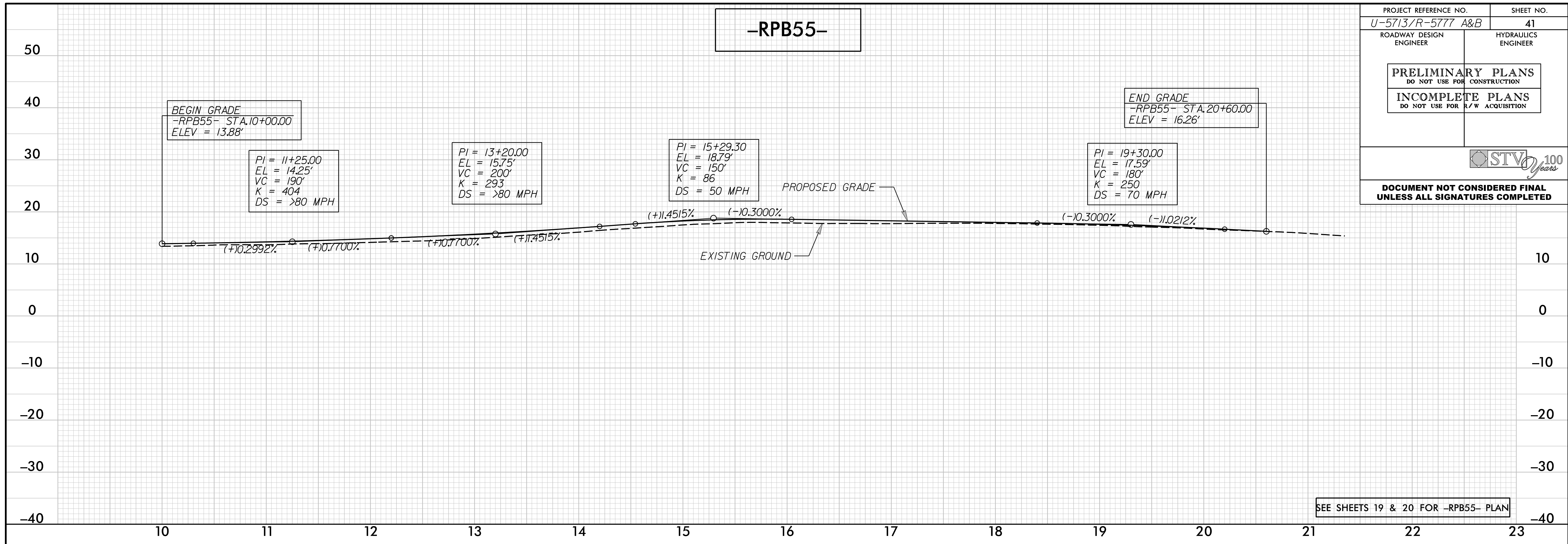
1/26/2018 8:07:17 AM Hyd_PSH_37.plt.dgn
 [Signature]

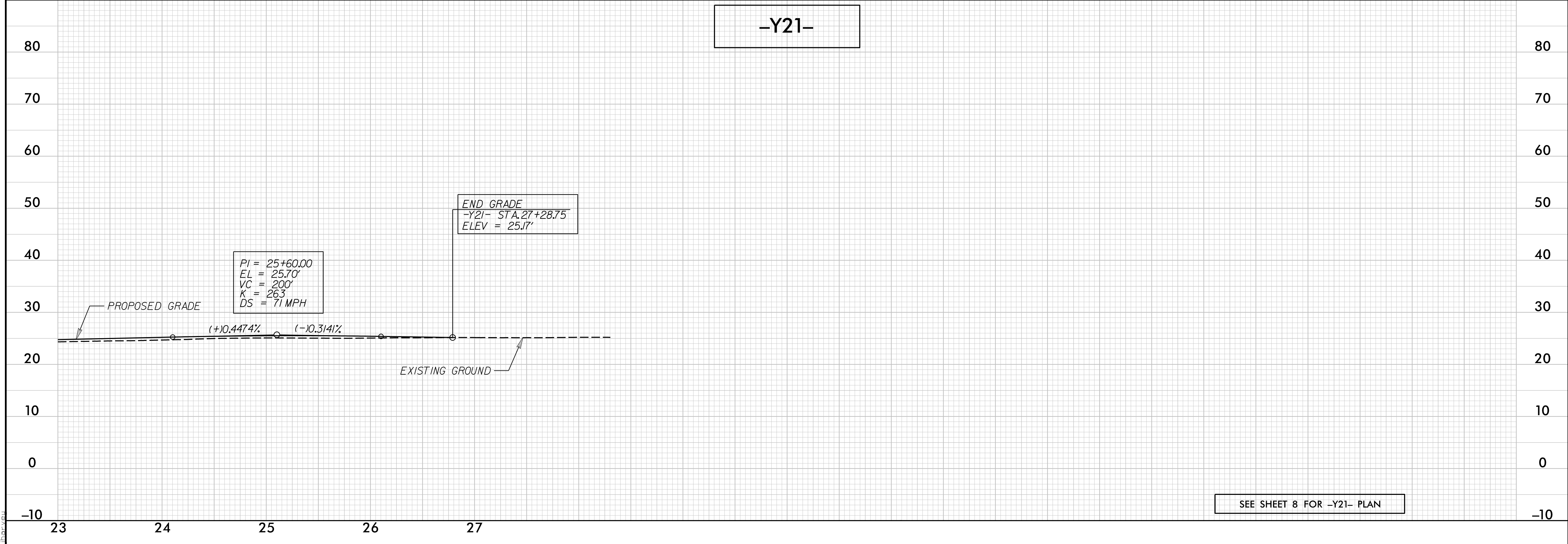
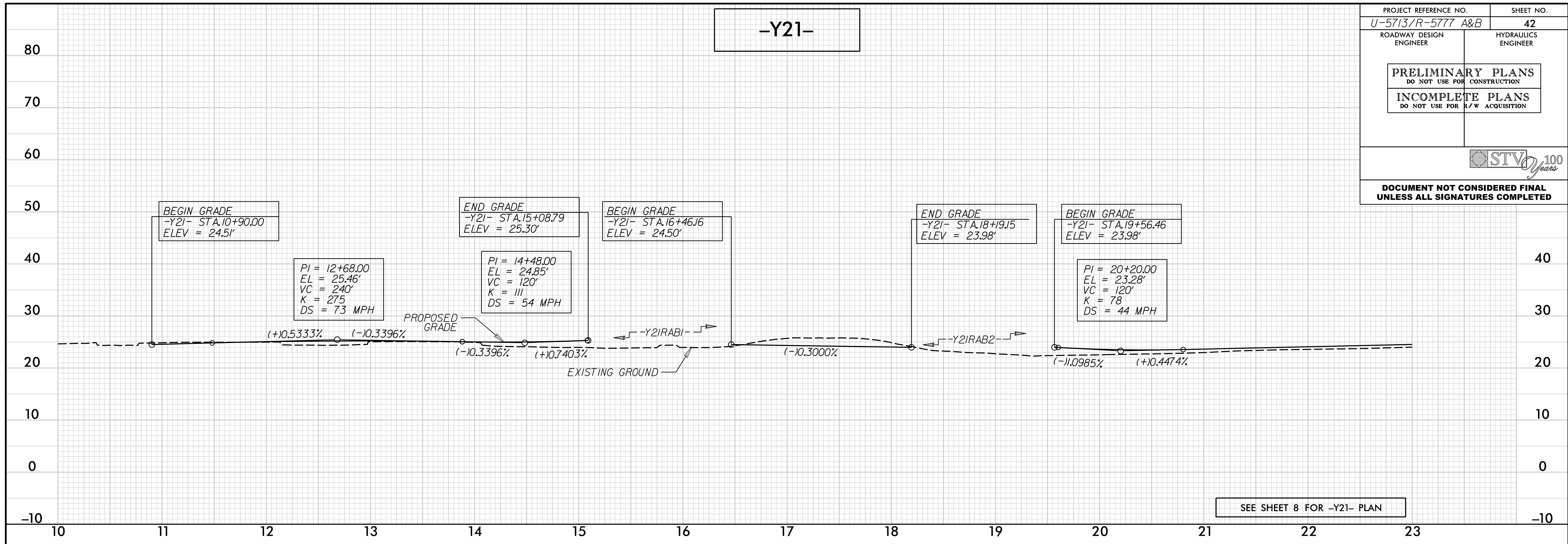







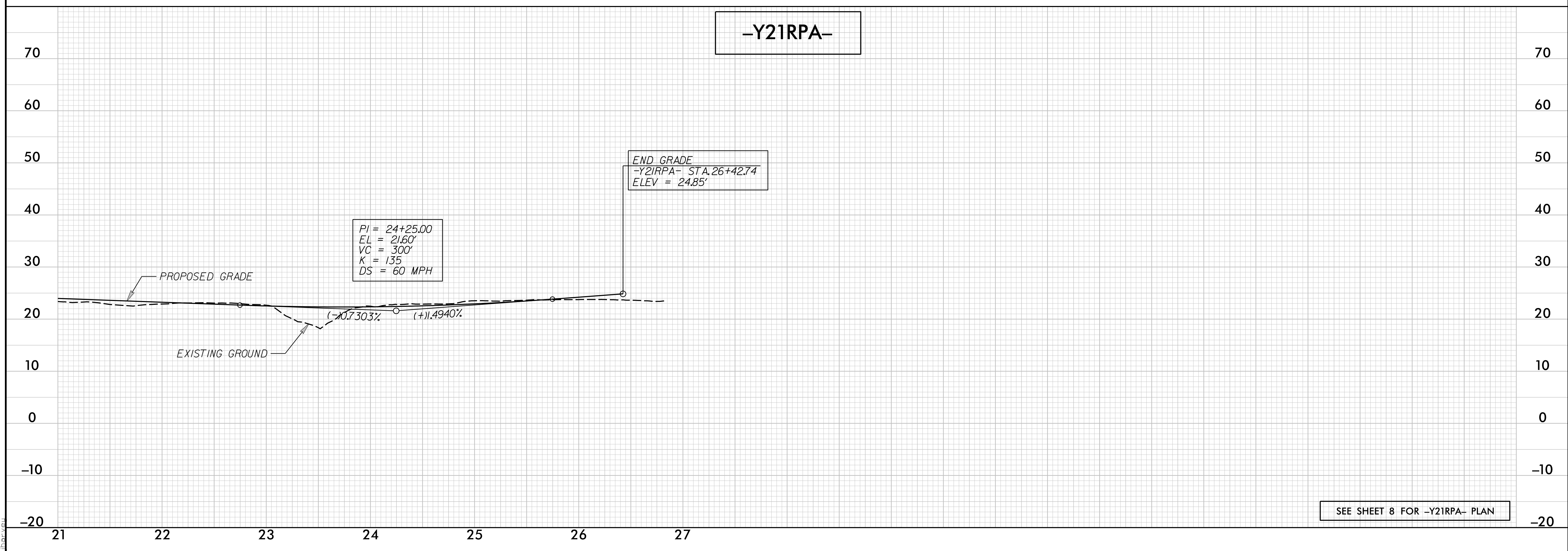
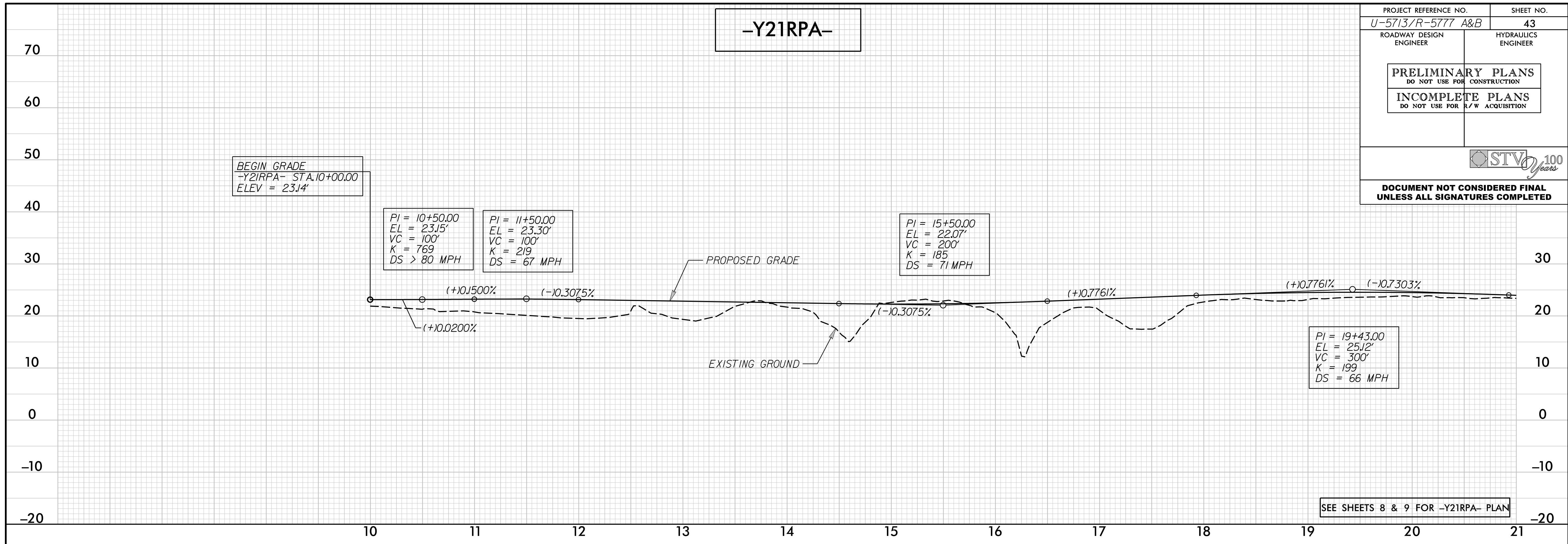
12/13/2018 10:57:13 AM 77_Hyd_PSH_40.plt.dgn
 (b) (6)



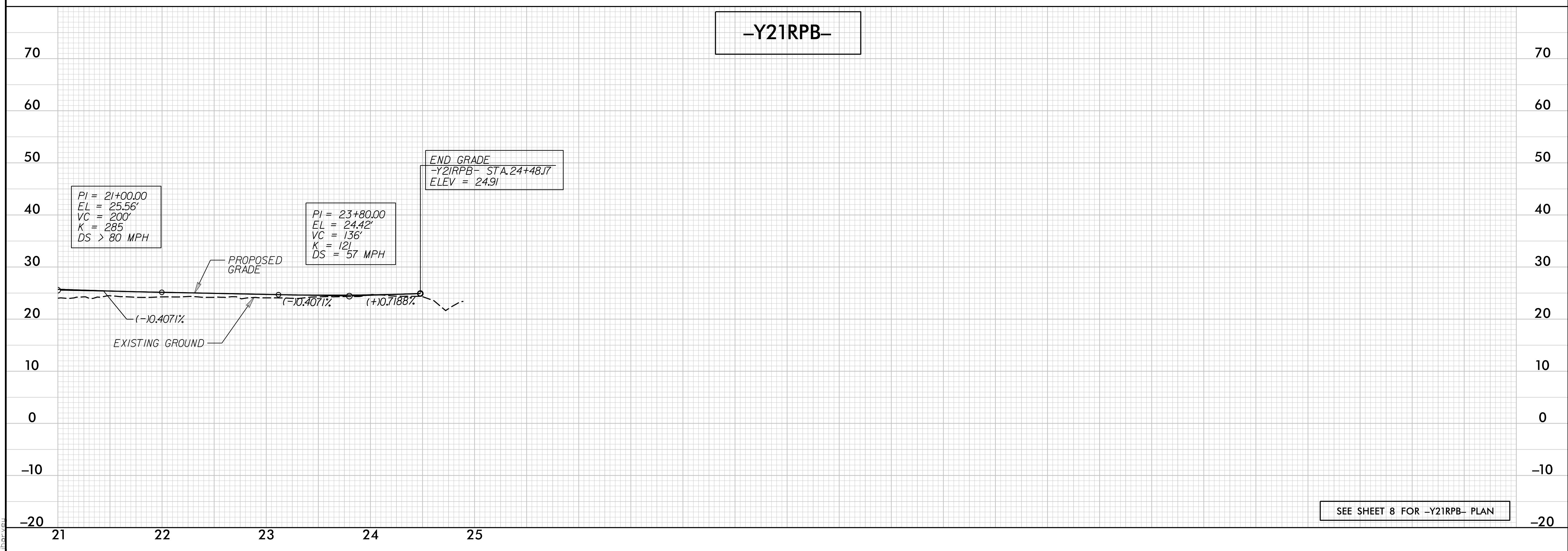
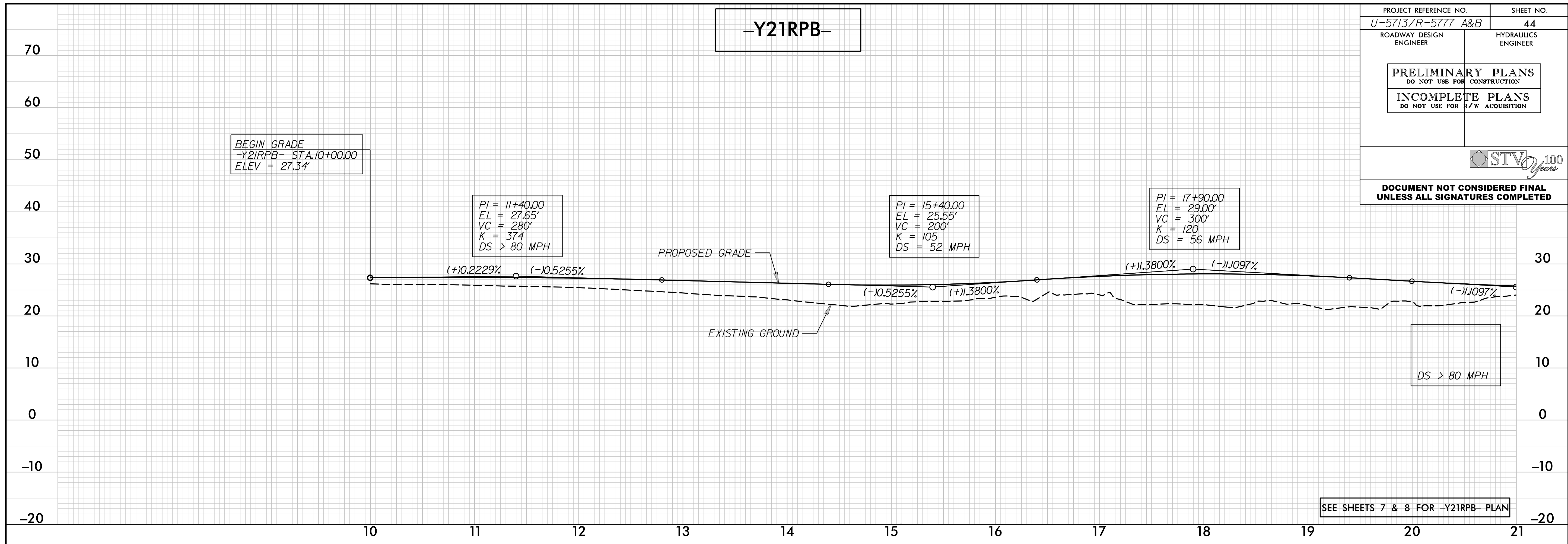


1/26/2018 8:07:17 AM Hyd_PSH_42.dgn
 1/26/2018 8:07:17 AM Hyd_PSH_42.dgn

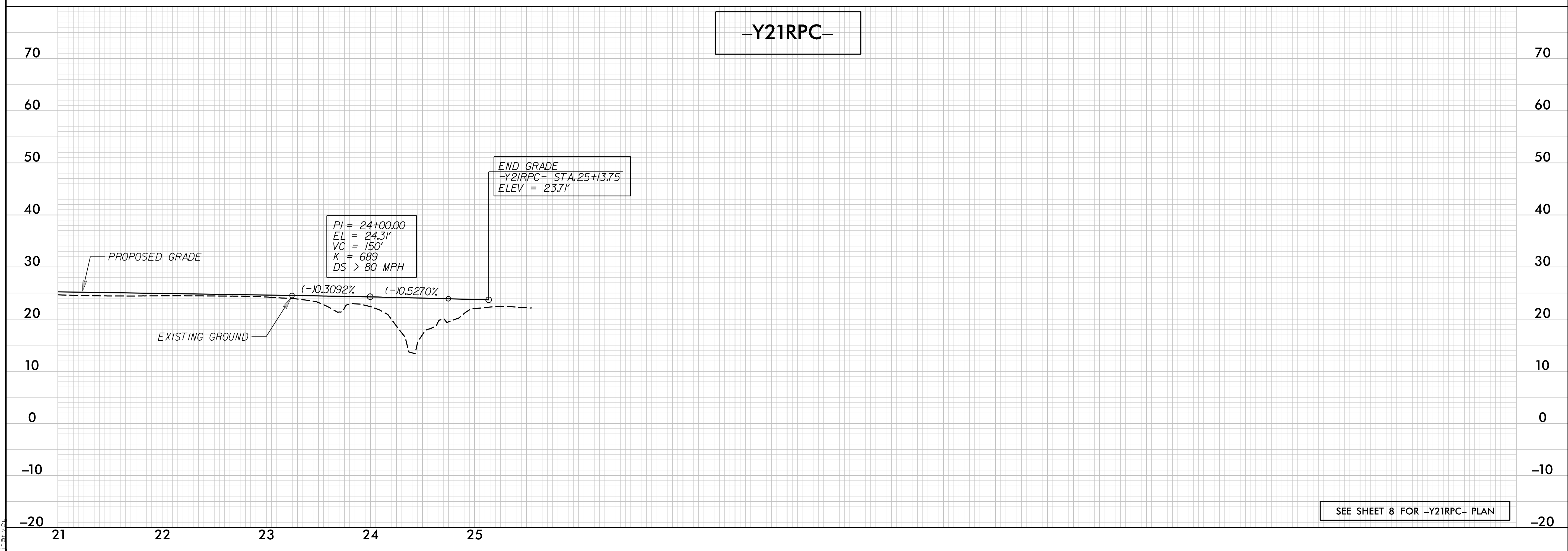
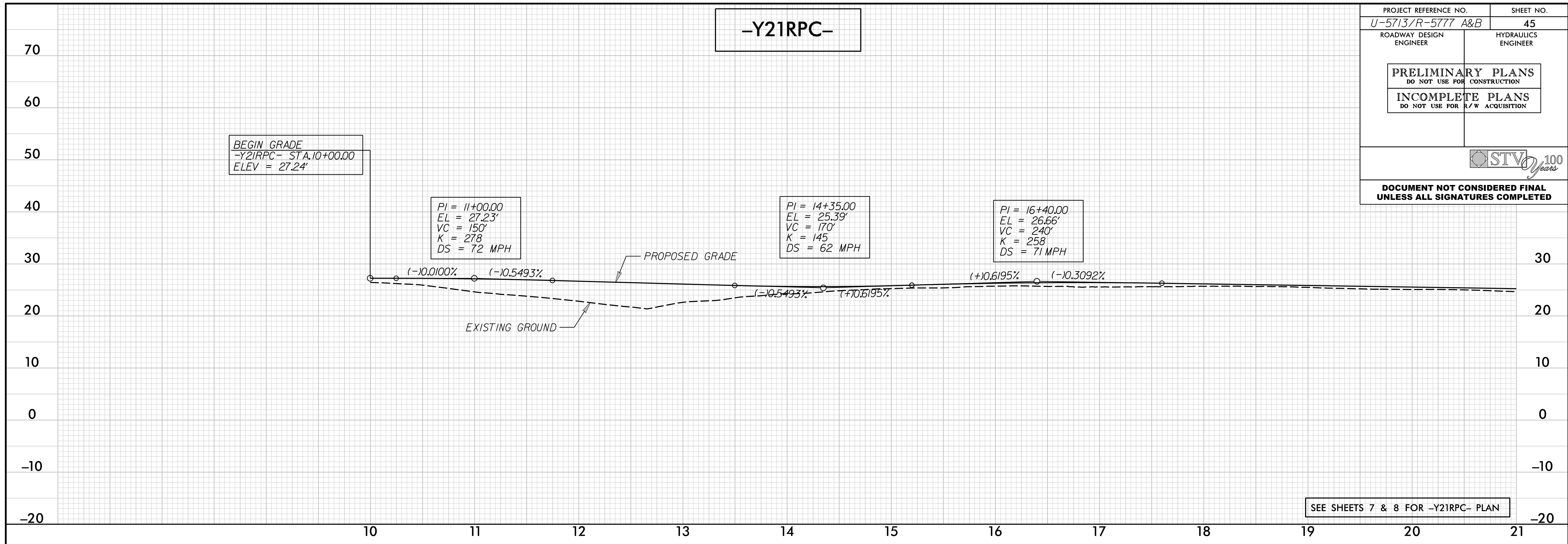
PROJECT REFERENCE NO. U-5713/R-5777 A&B	SHEET NO. 43
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

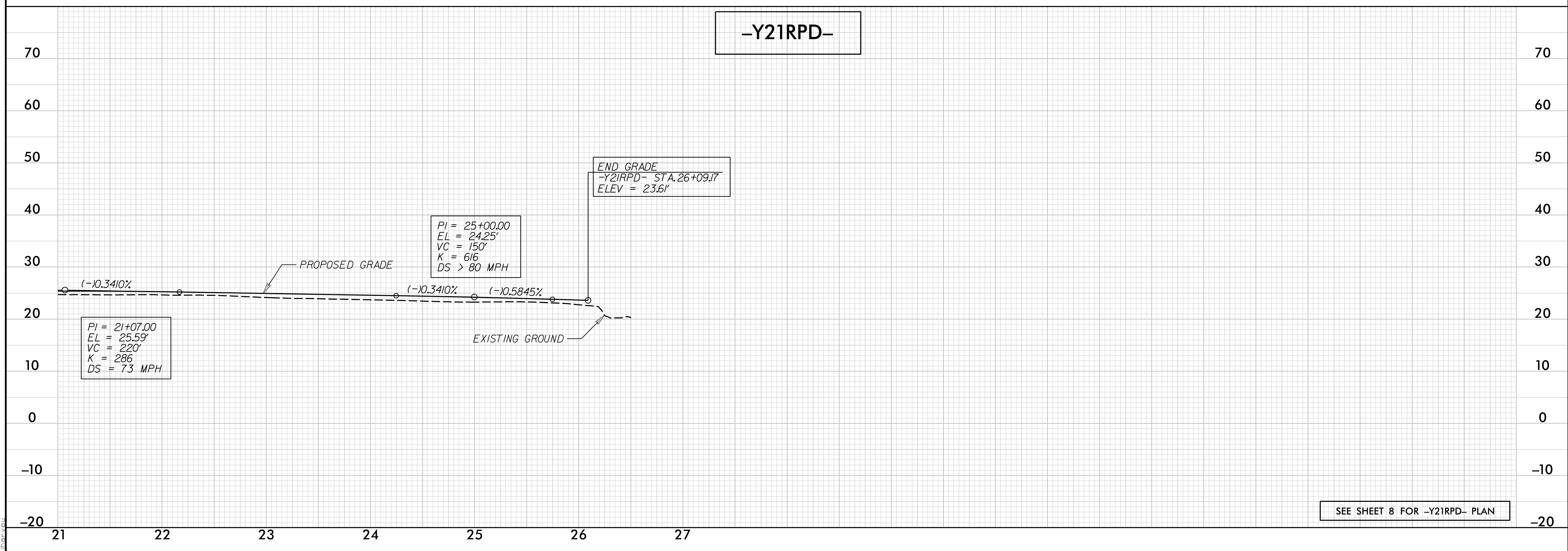
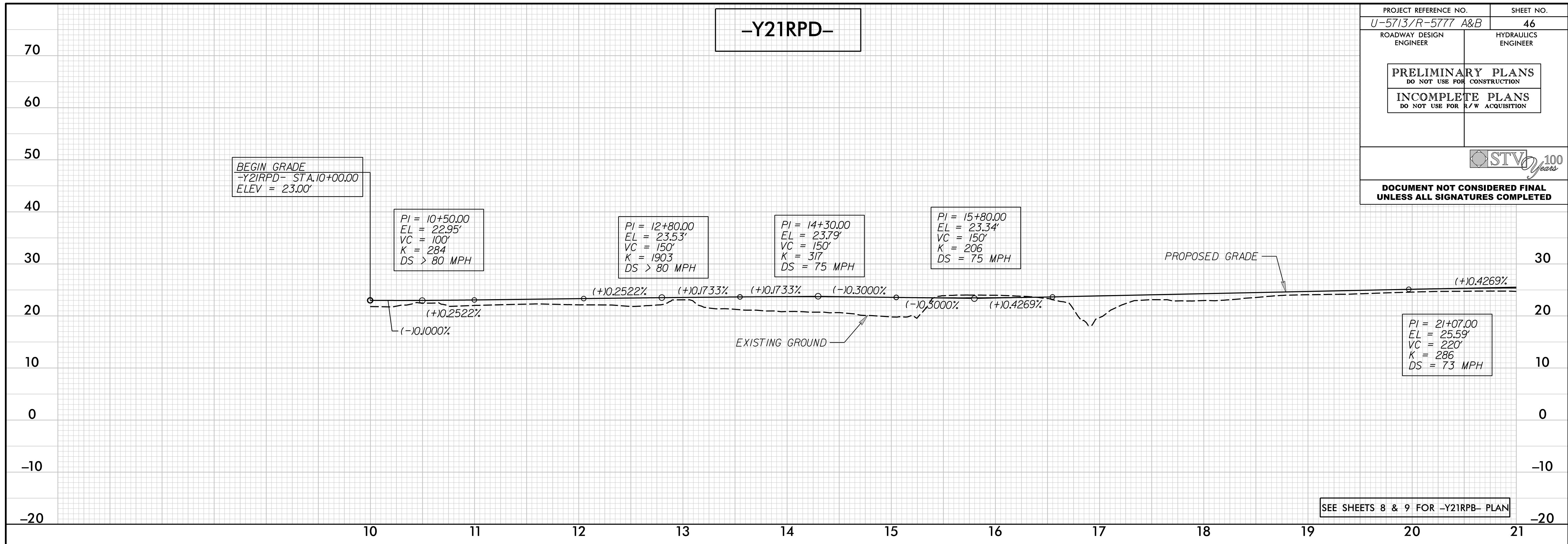



1/26/2018 8:07:17 AM Hyd_PSH_43.plt.dgn
 1/26/2018 8:07:17 AM Hyd_PSH_43.plt.dgn

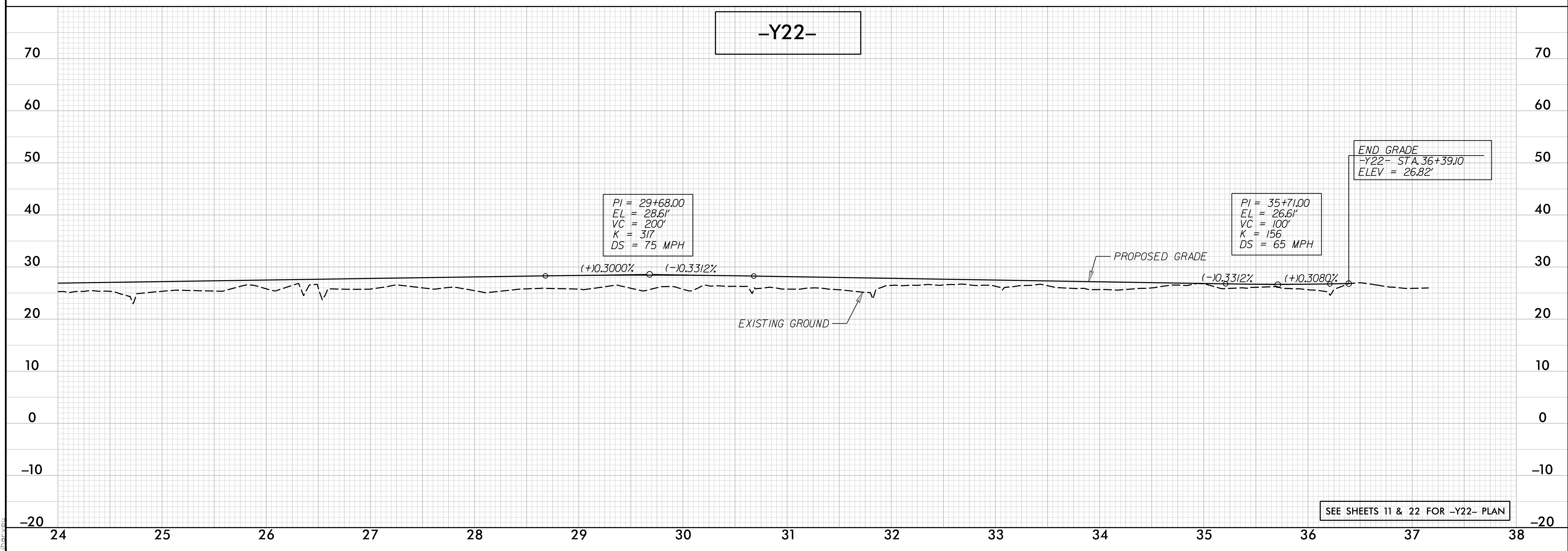
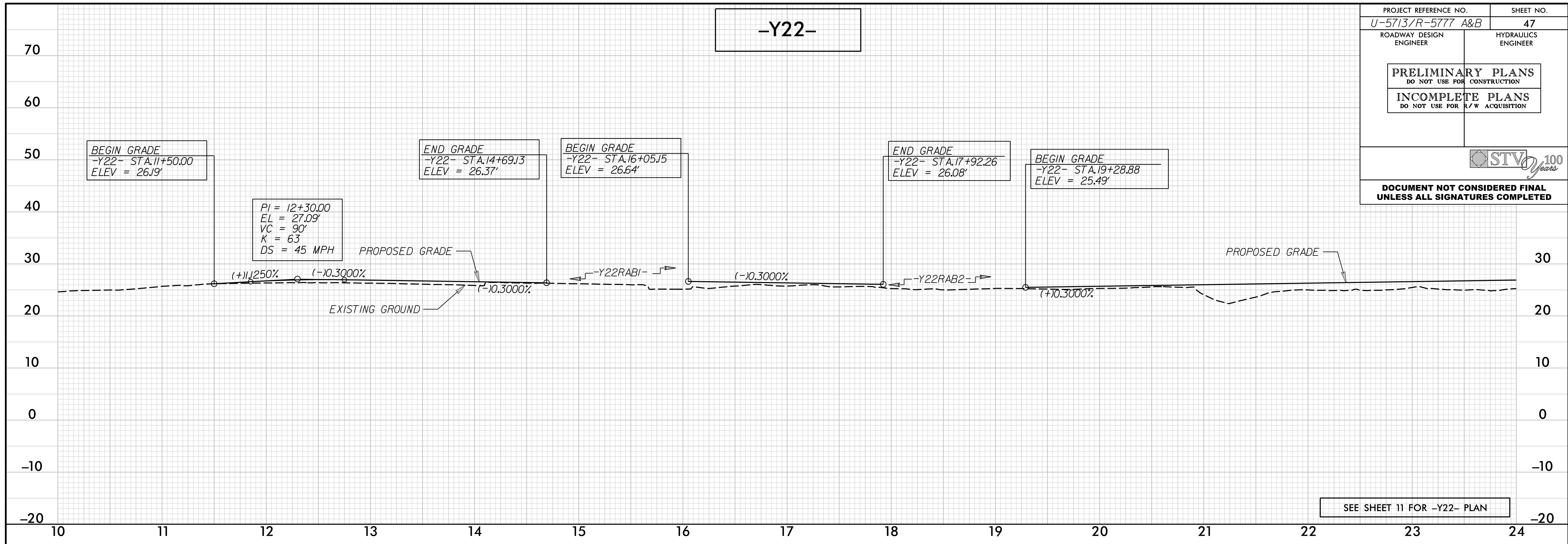


12/30/2018
 10:30 AM
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 dbayau




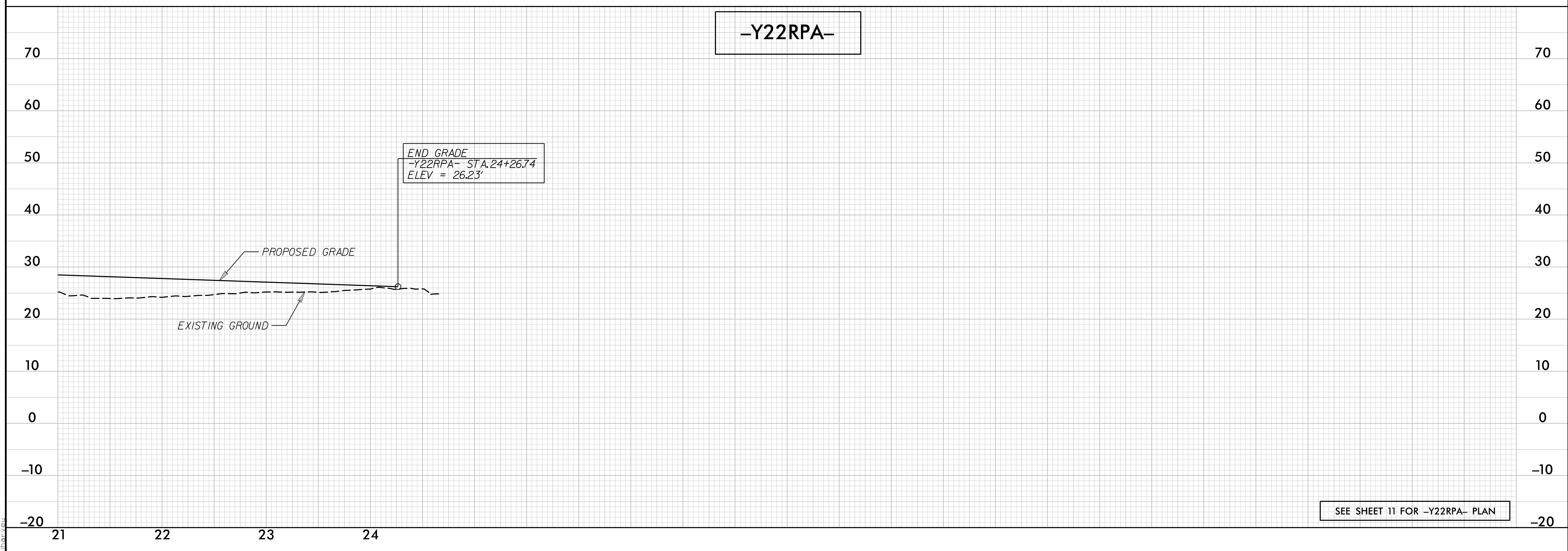
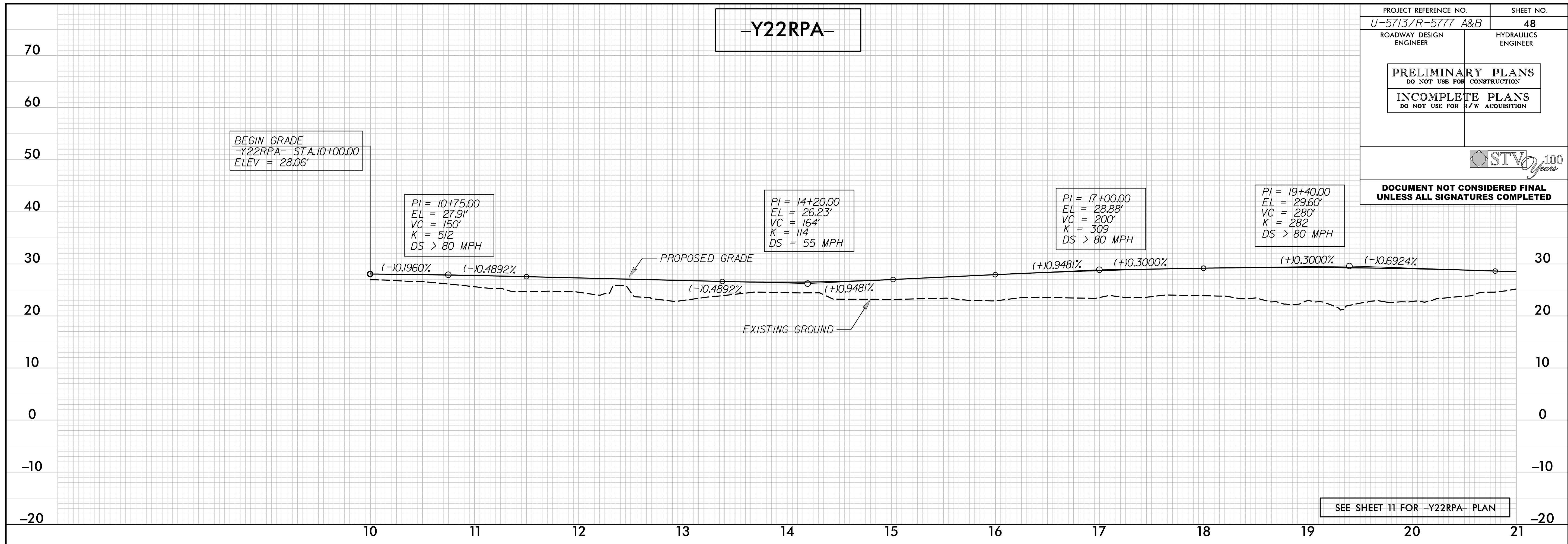


PROJECT REFERENCE NO. U-5713/R-5777 A&B	SHEET NO. 47
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



12/6/2018 10:57:17 AM Hyd_PSH_47.dgn
 12/6/2018 10:57:17 AM Hyd_PSH_47.dgn

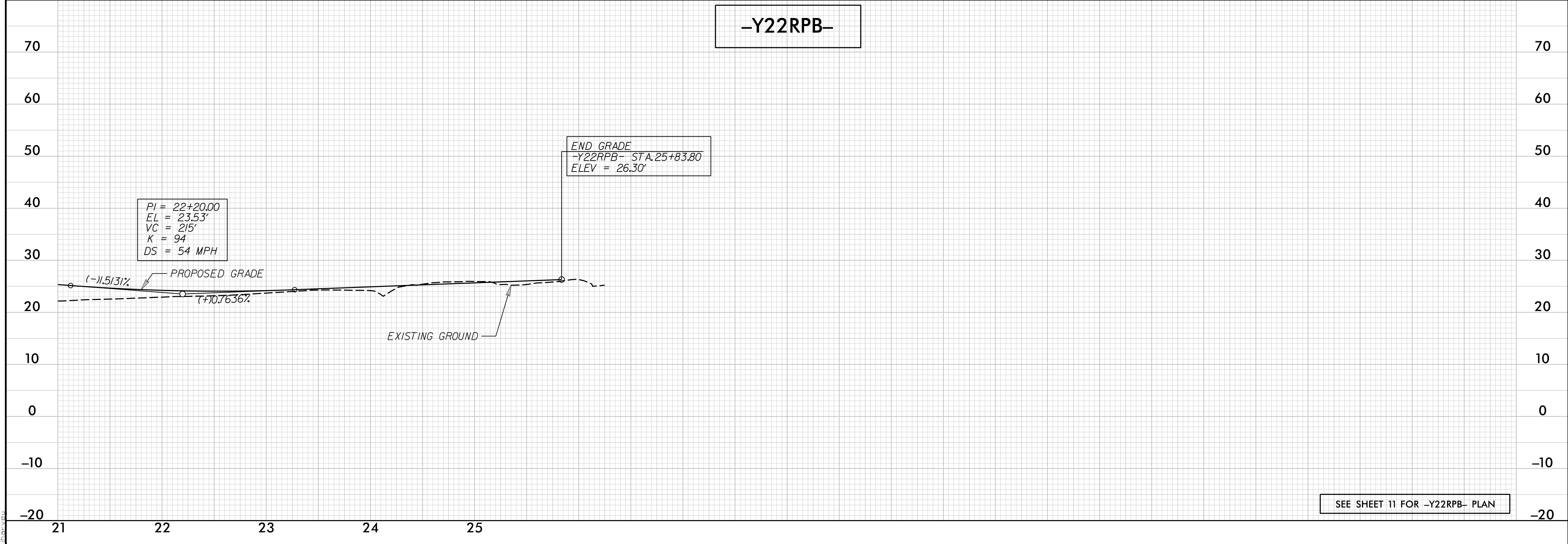
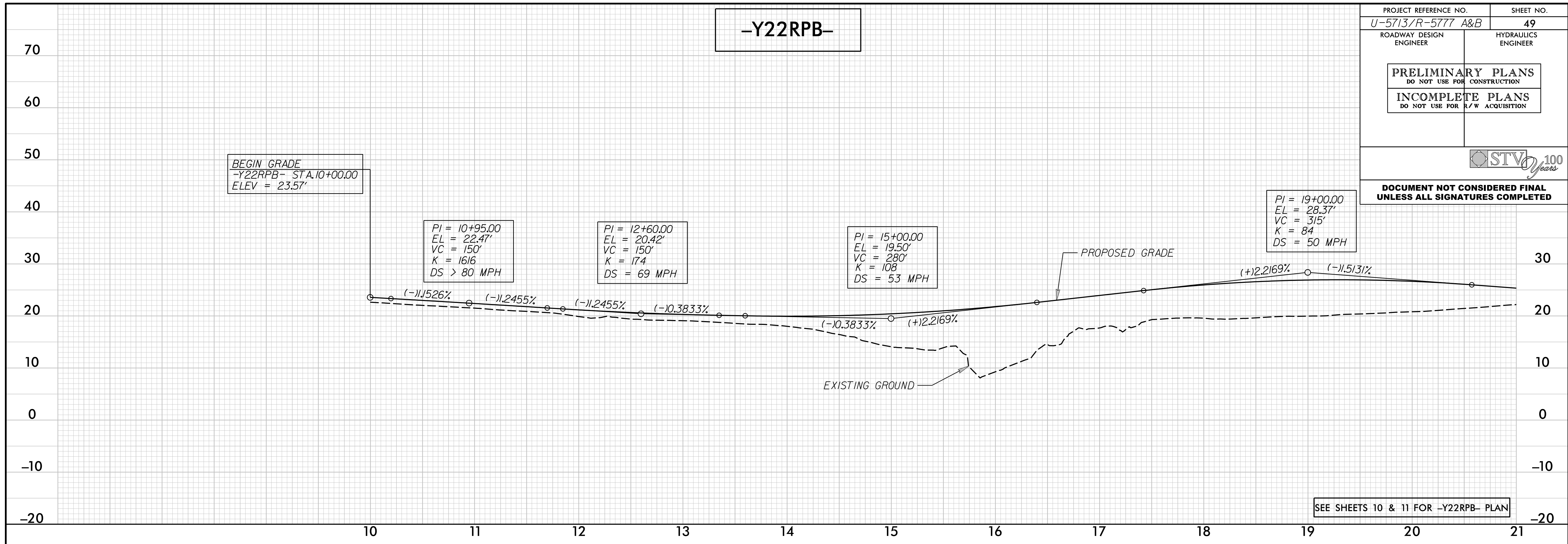
PROJECT REFERENCE NO. U-5713/R-5777 A&B	SHEET NO. 48
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	




12/10/2018 10:57:13 AM U-5713-R-5777-Hyd-P&S-48.plt.dgn

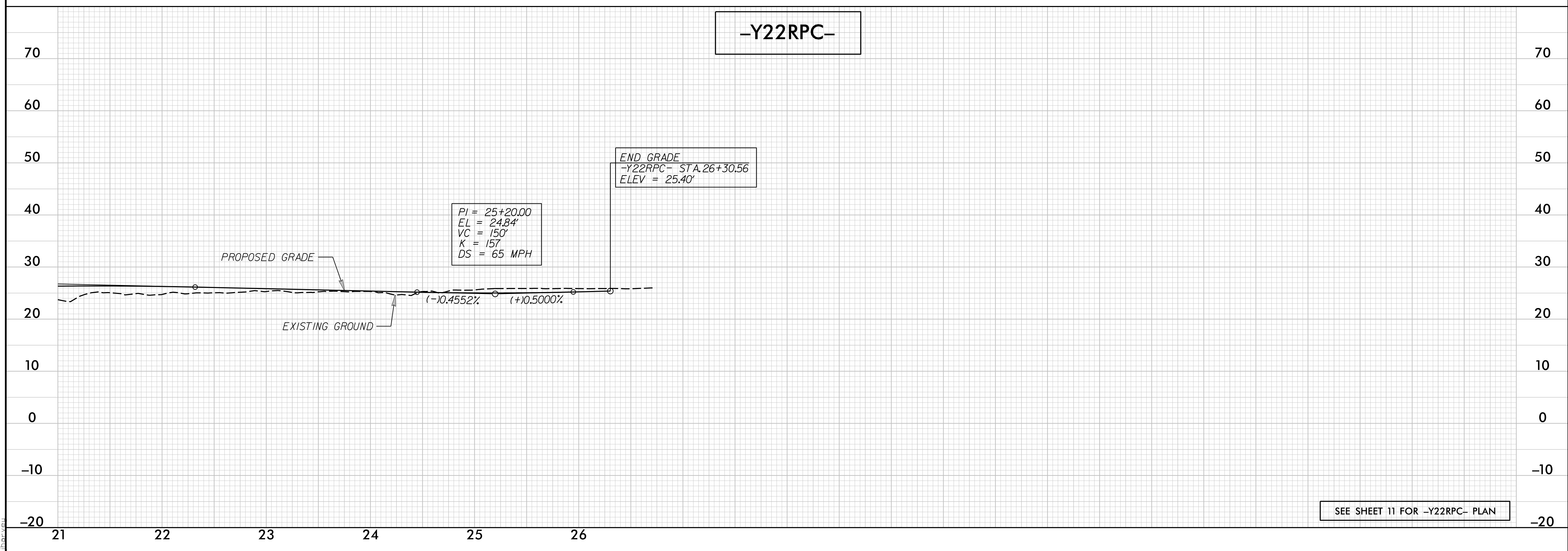
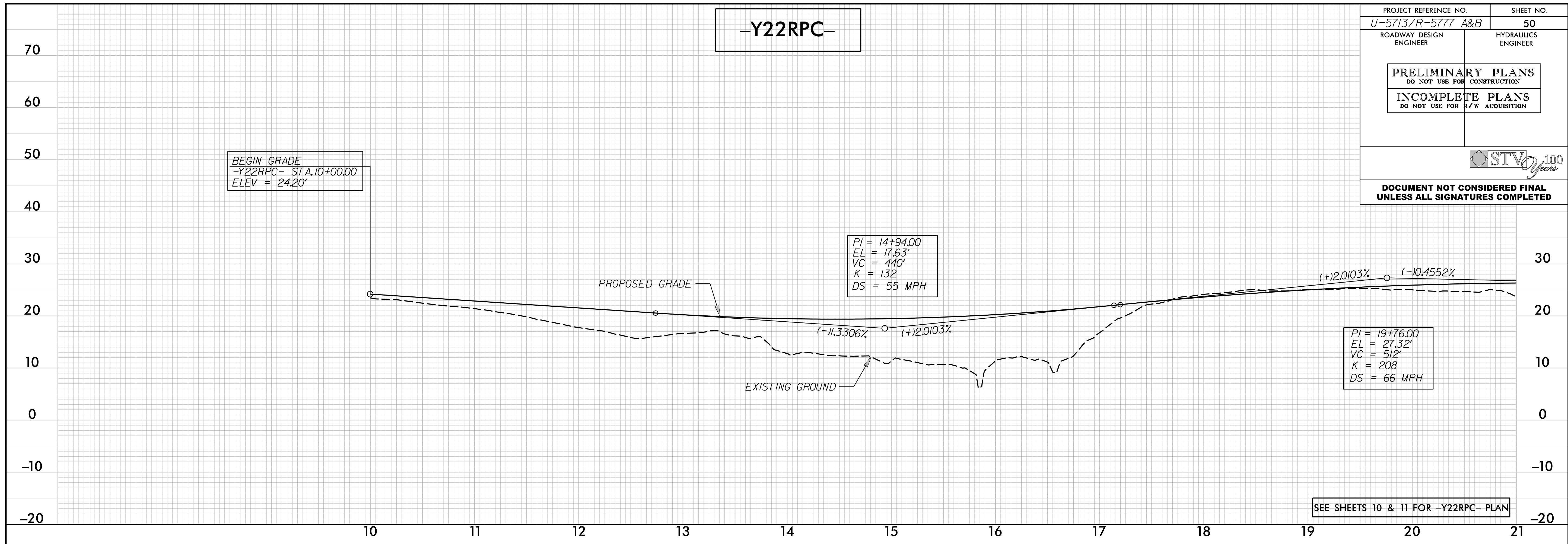


**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**




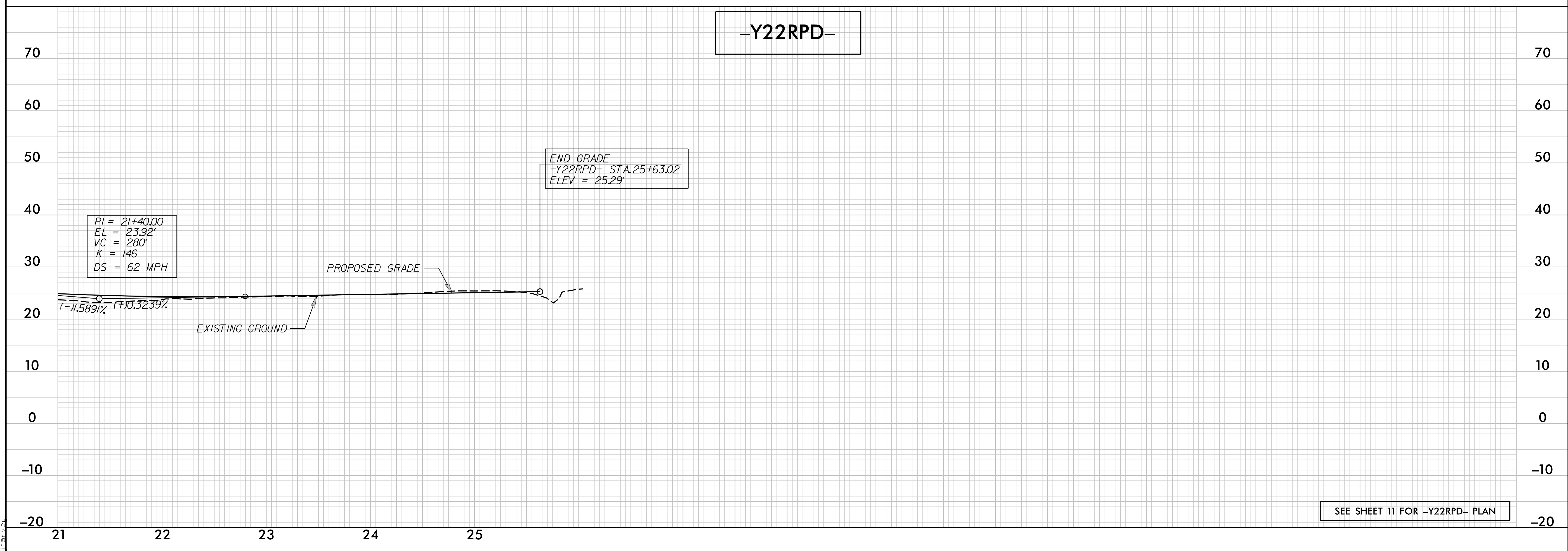
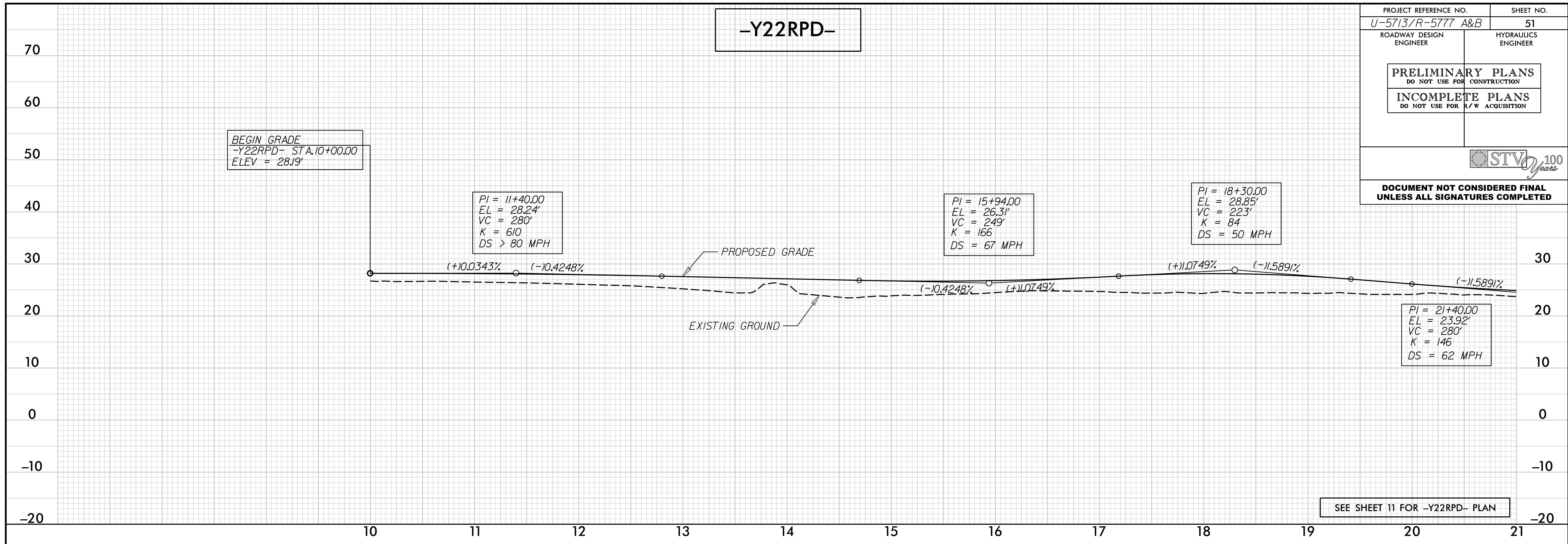
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PROJECT REFERENCE NO. U-5713/R-5777 A&B	SHEET NO. 50
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	




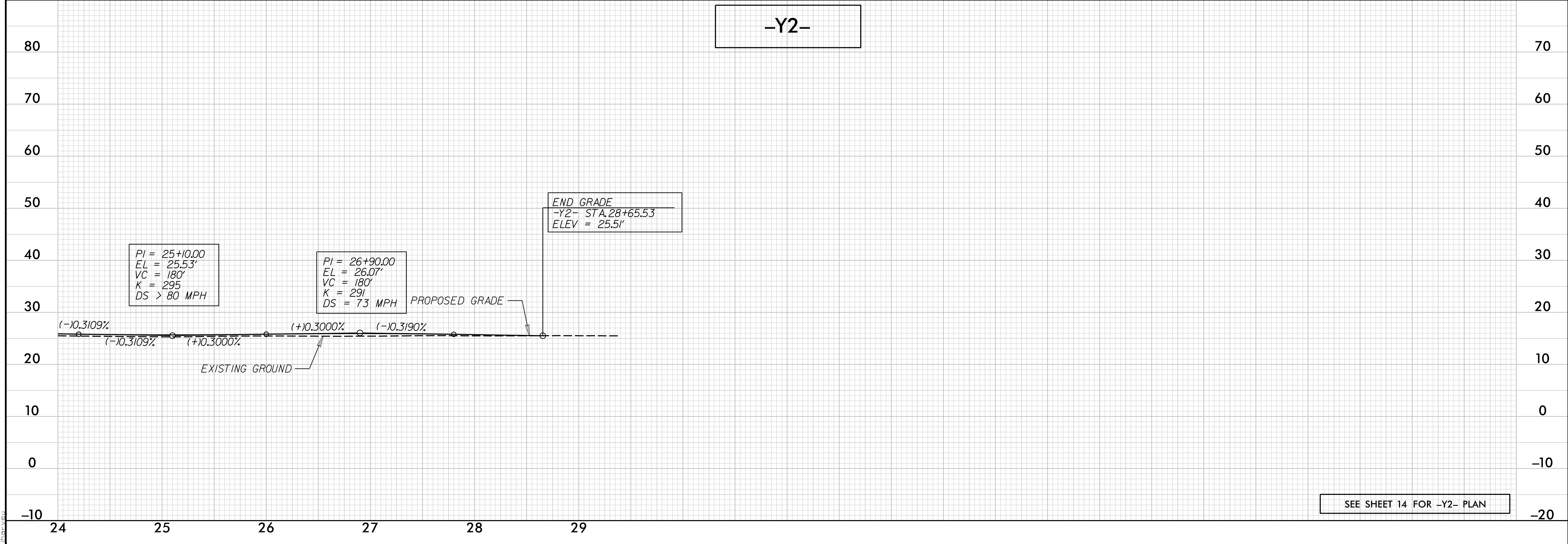
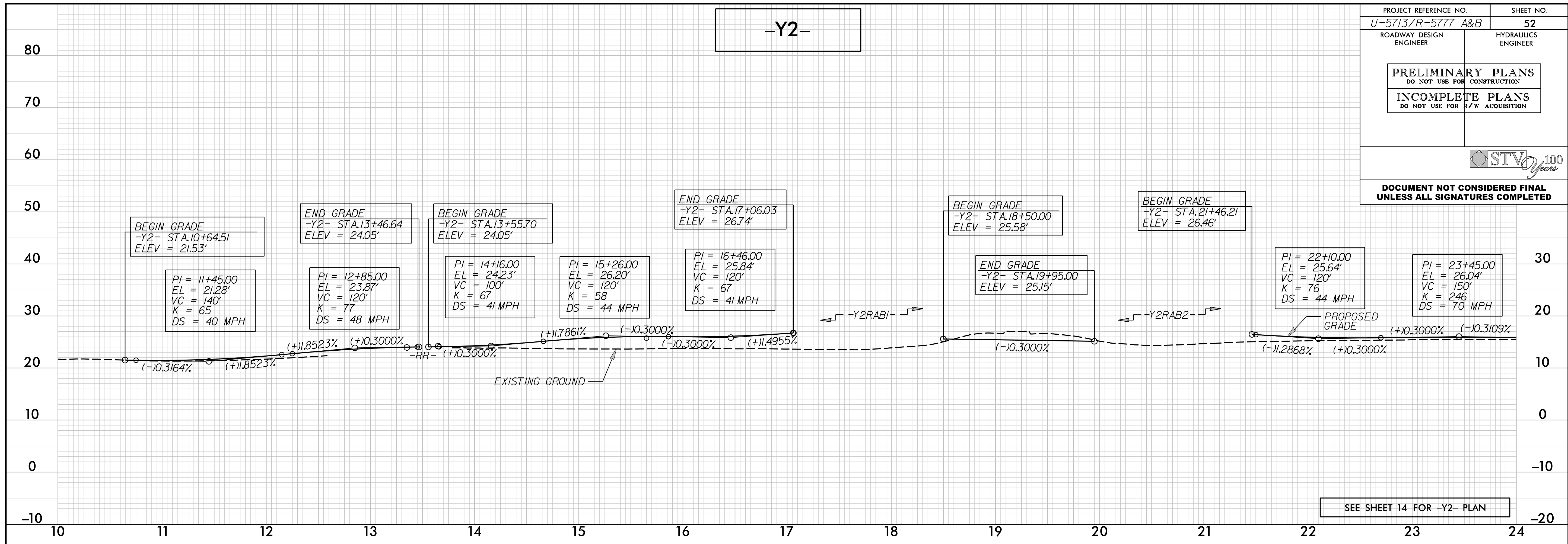
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 jbarbeau

PROJECT REFERENCE NO. U-5713/R-5777 A&B	SHEET NO. 51
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	




1/26/2019 8:07:77_Hyd_PSH_51.pfl.dgn
 dbayau

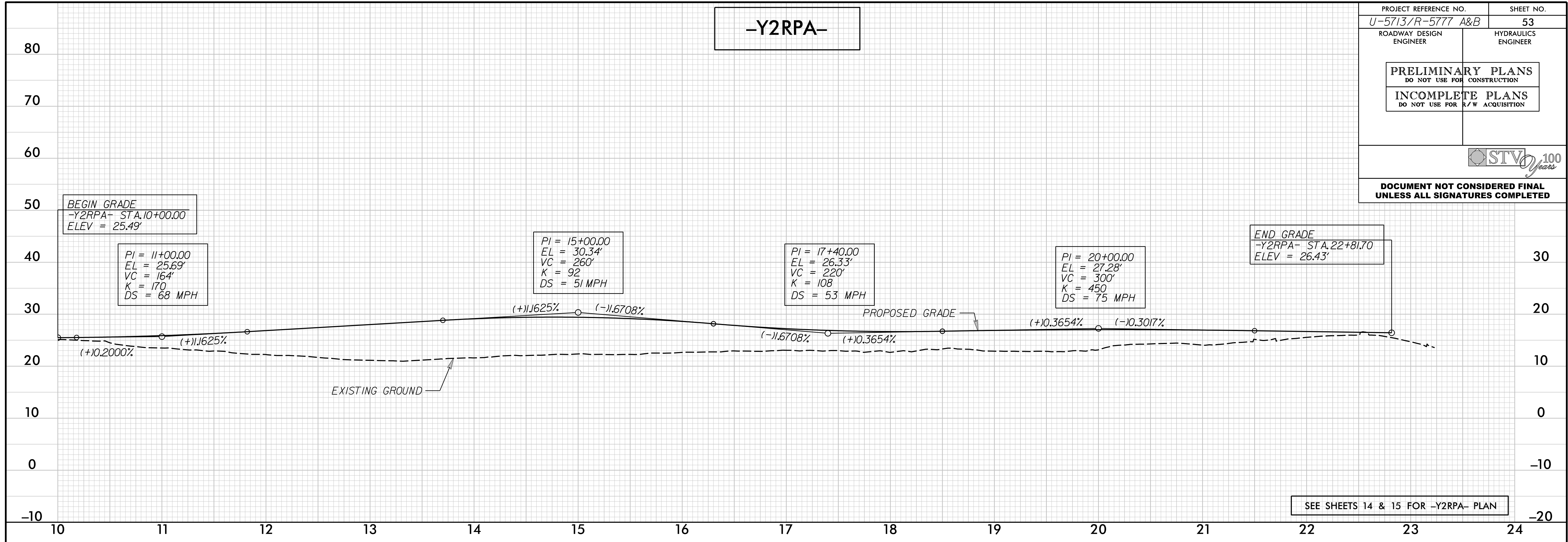
PROJECT REFERENCE NO. U-5713/R-5777 A&B	SHEET NO. 52
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



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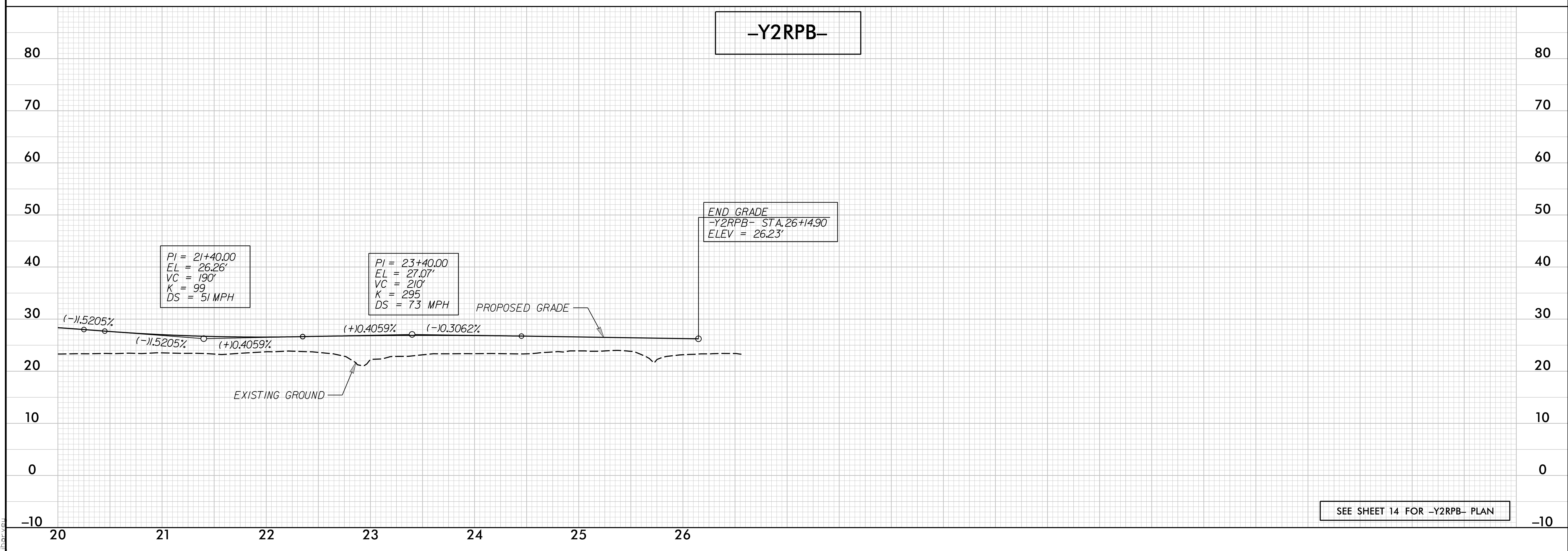
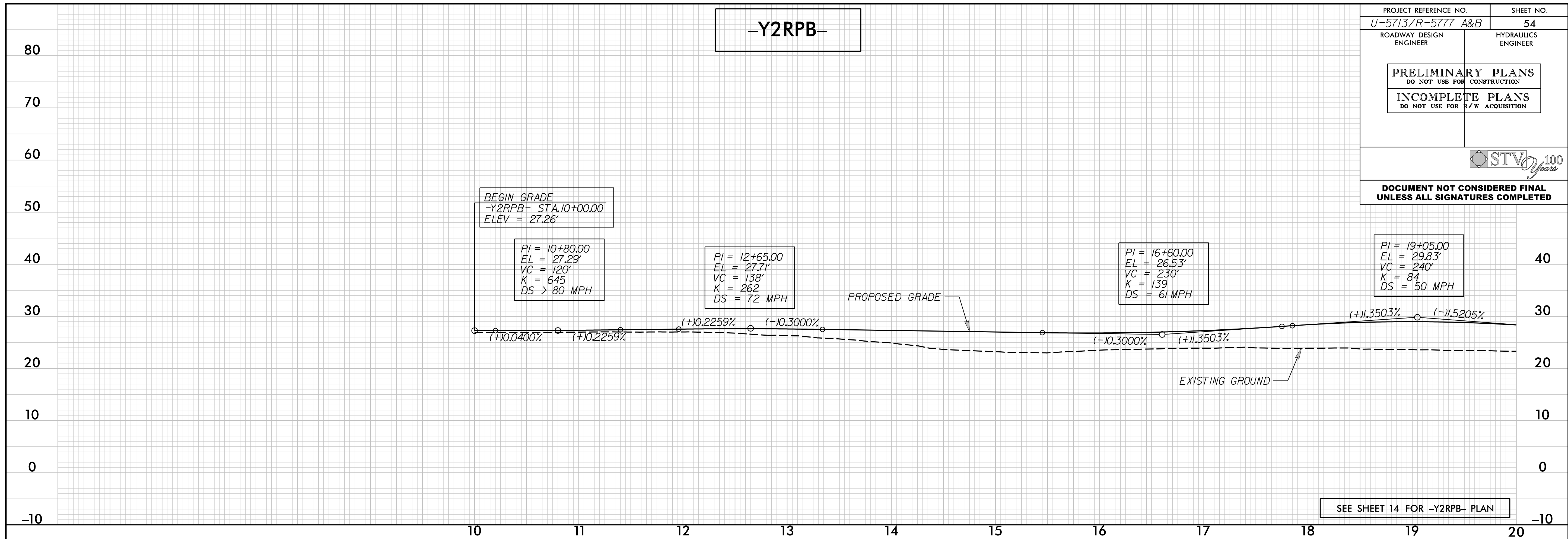
-Y2RPA-

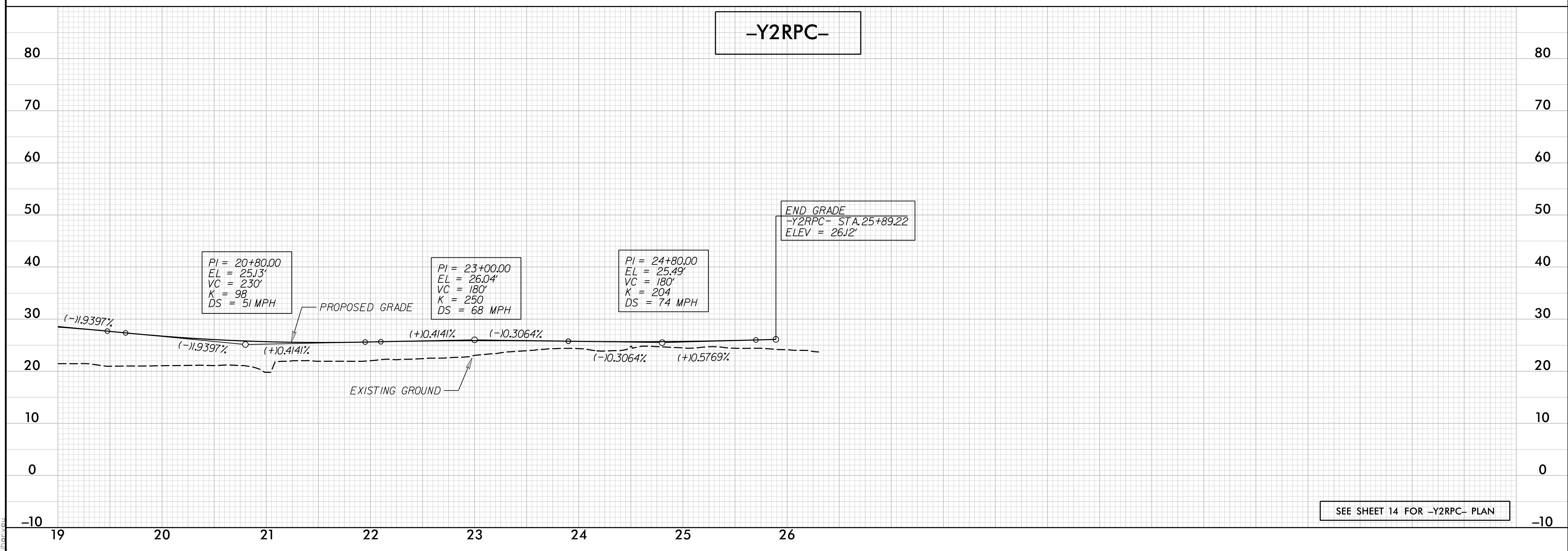
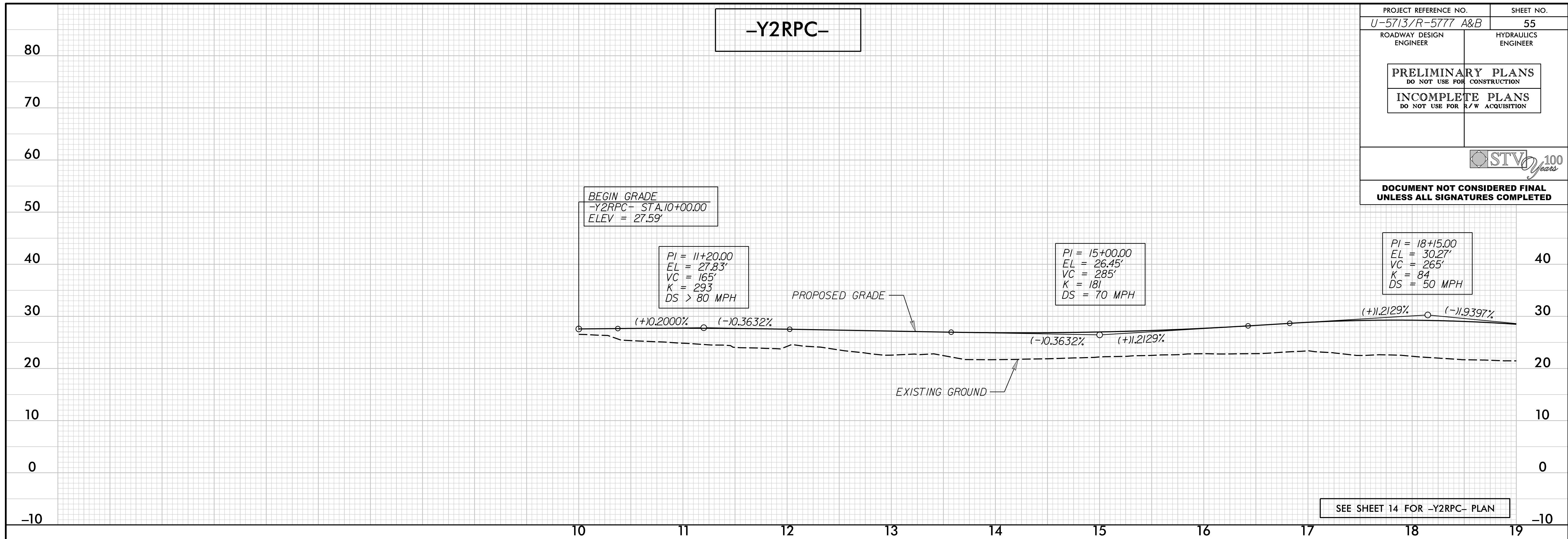
PROJECT REFERENCE NO. <i>U-5713/R-5777 A&B</i>	SHEET NO. 53
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS <small>DO NOT USE FOR CONSTRUCTION</small>	
INCOMPLETE PLANS <small>DO NOT USE FOR R/W ACQUISITION</small>	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



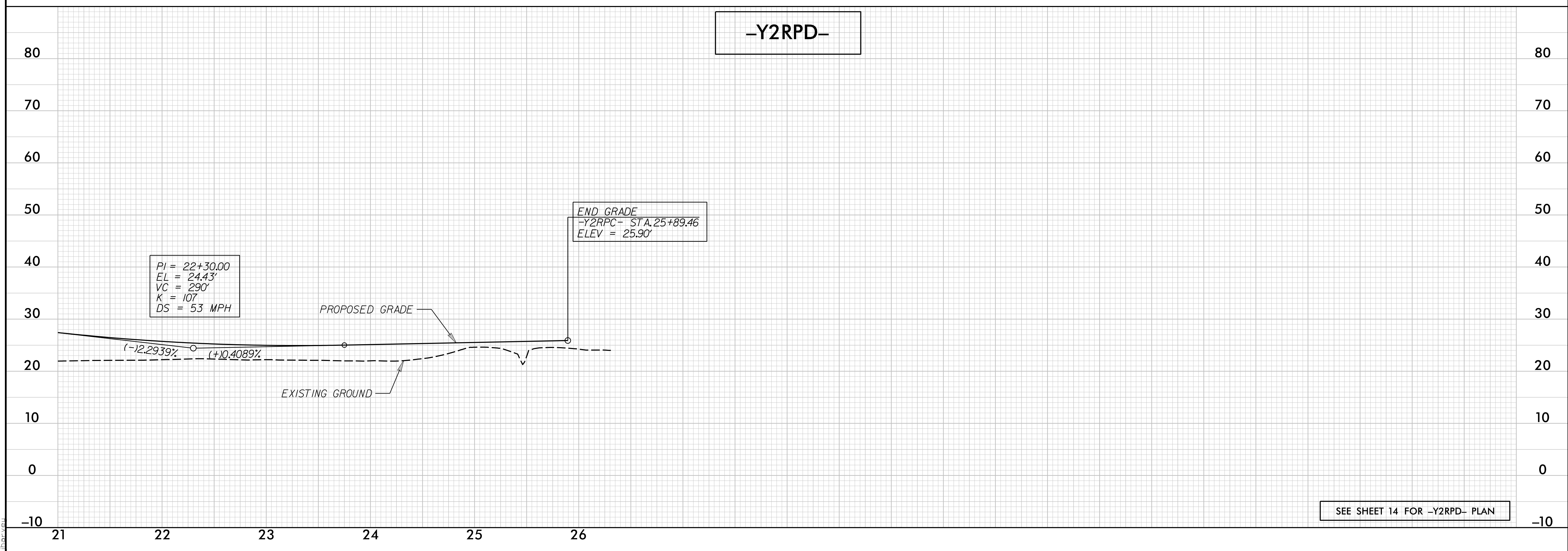
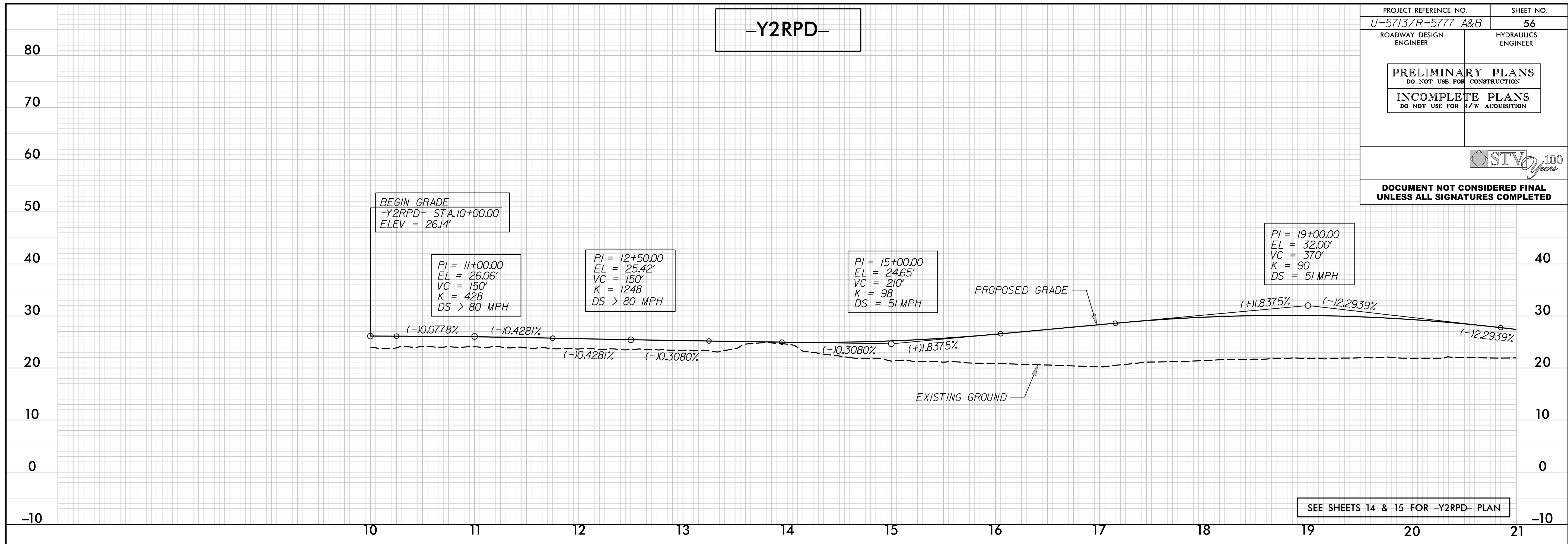
SEE SHEETS 14 & 15 FOR -Y2RPA- PLAN

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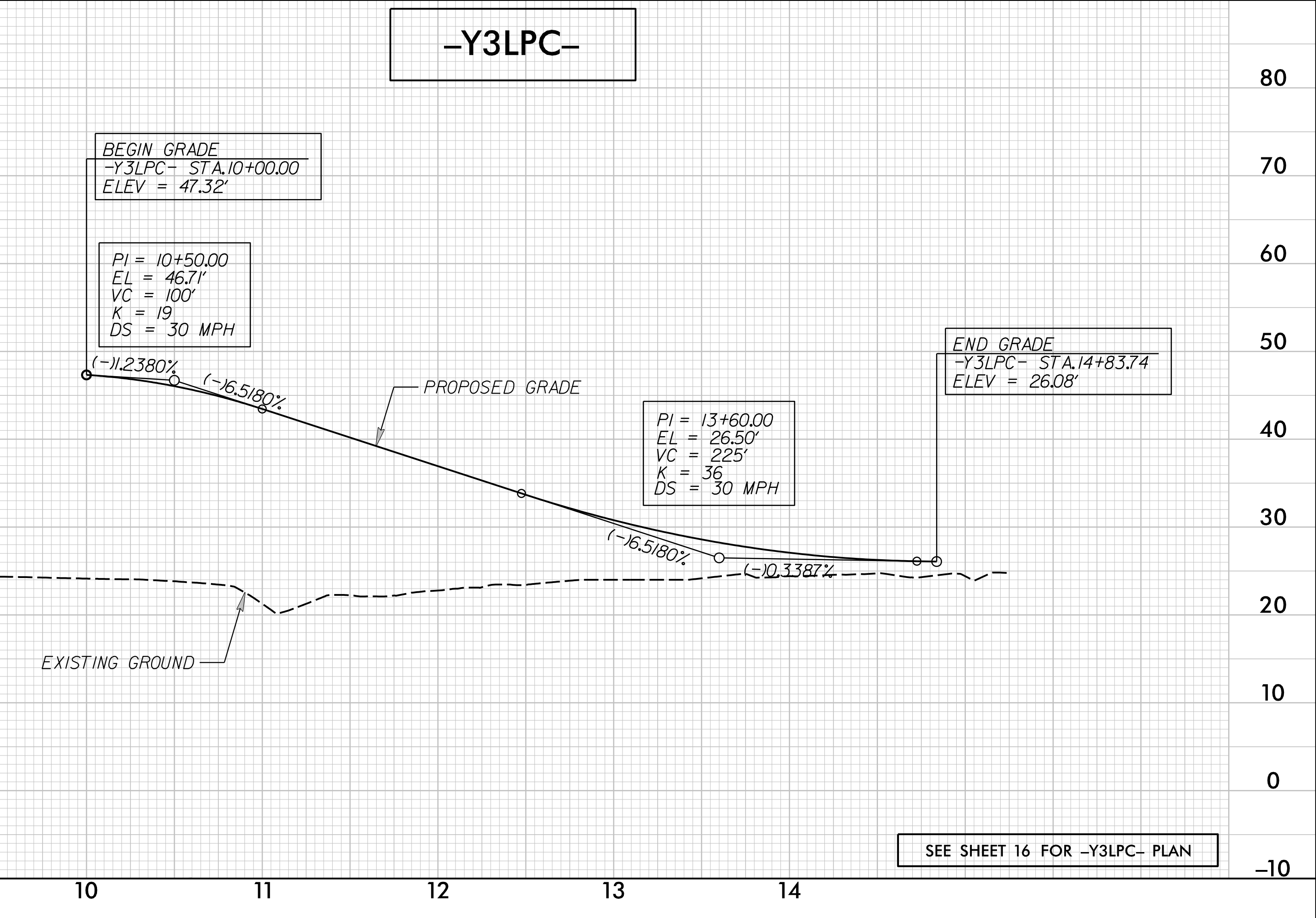
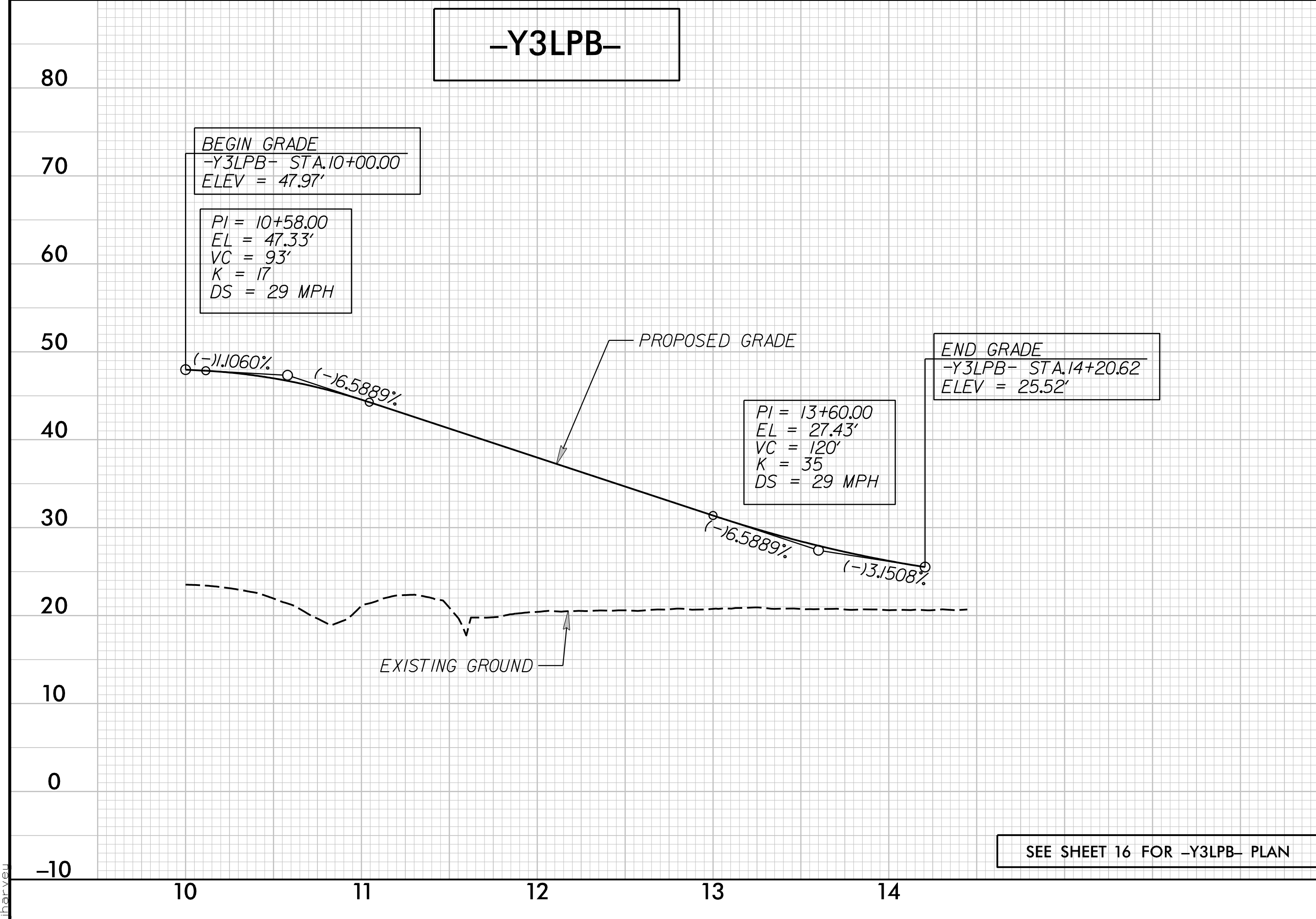
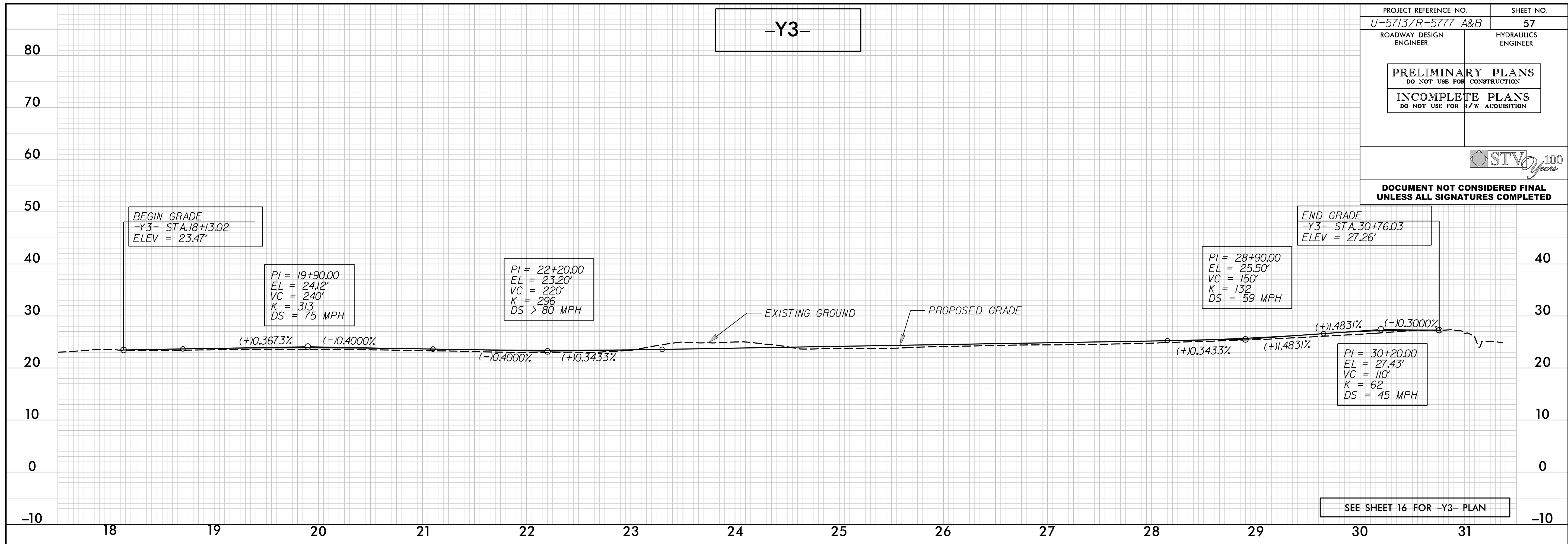




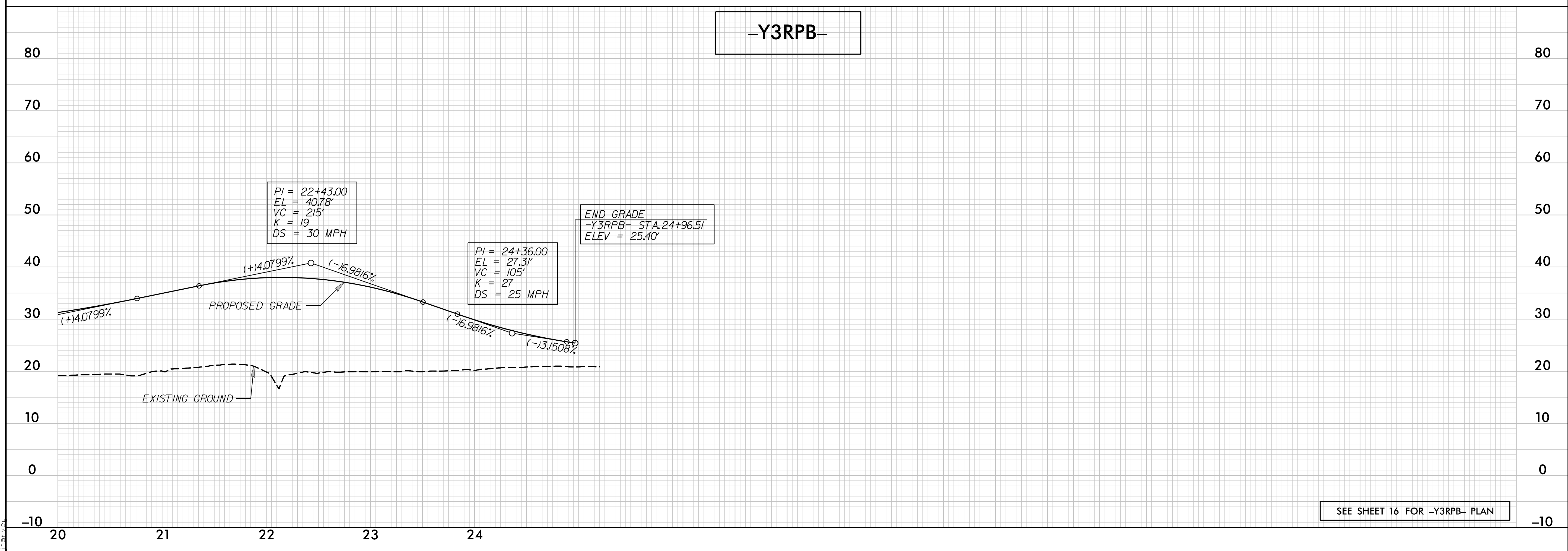
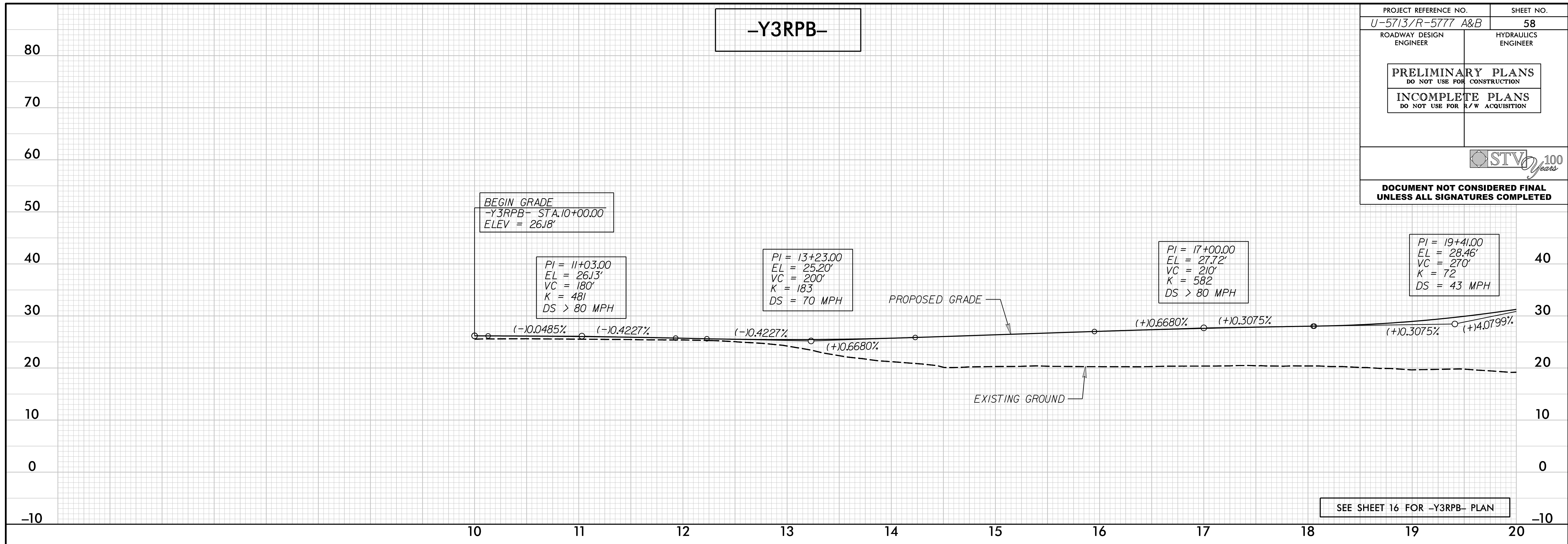
12/6/2018 10:57:13 AM U:\Hyd_PSH_55.pfl.dgn
 jbarbeau



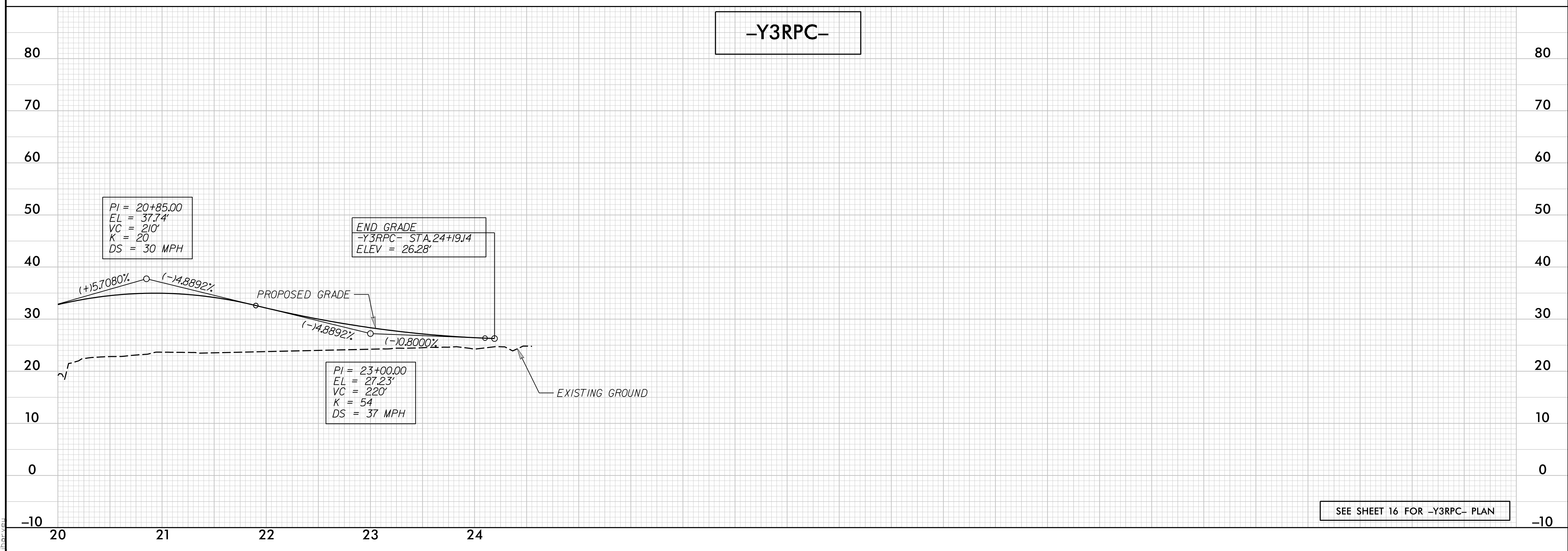
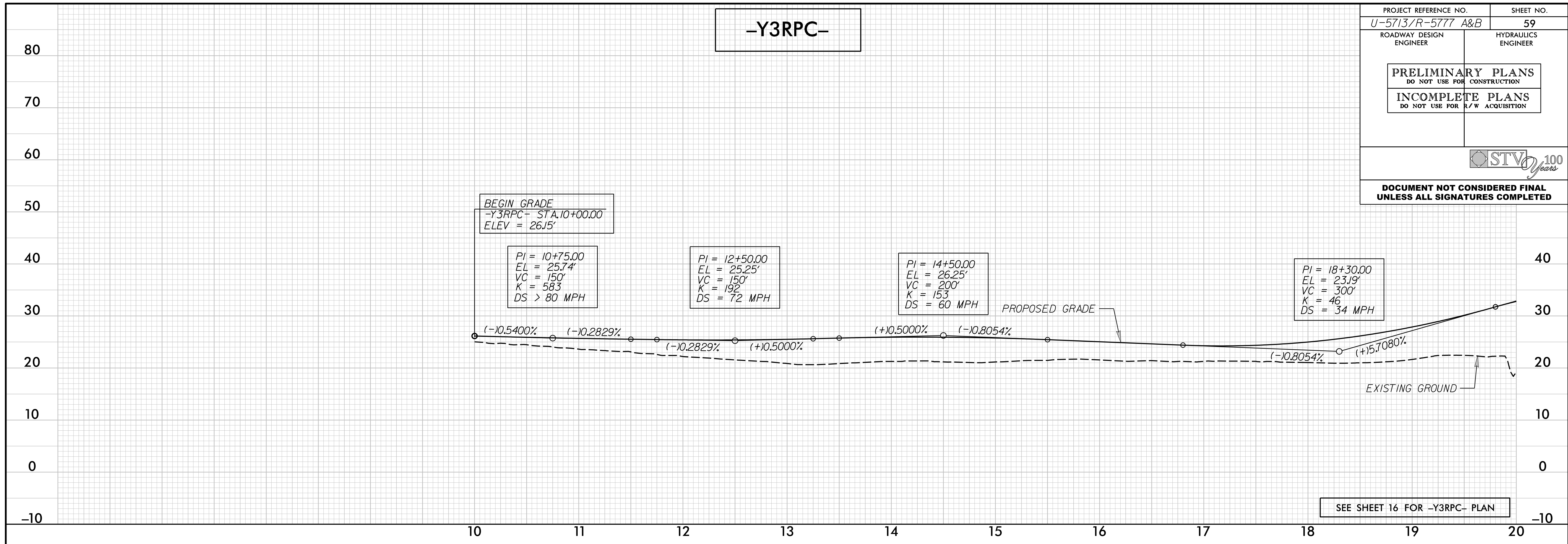
12/30/2018 10:57:33 AM C:\Users\jbarva\OneDrive\Documents\126713\180777_Hyd_PSH_56.pfl.dgn



1/24/2019 10:57:13 AM 77_Hyd_PSH_57.dgn
 10/24/2019 10:57:13 AM 77_Hyd_PSH_57.dgn

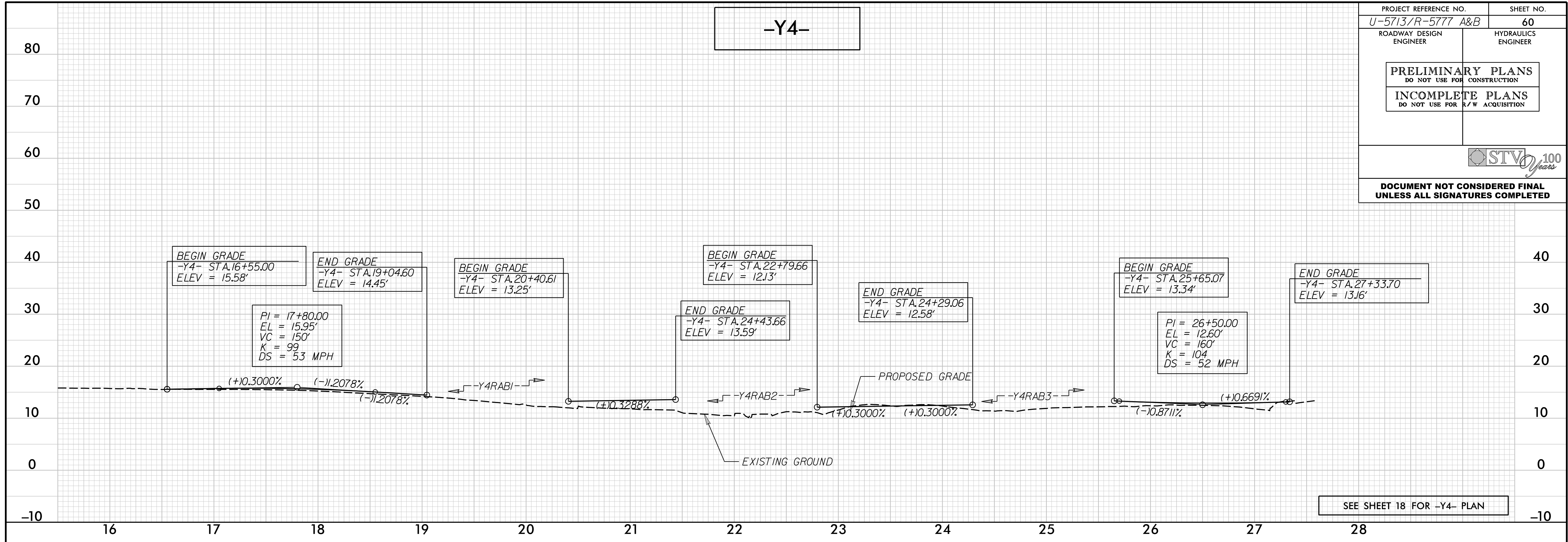


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 jbarbeau

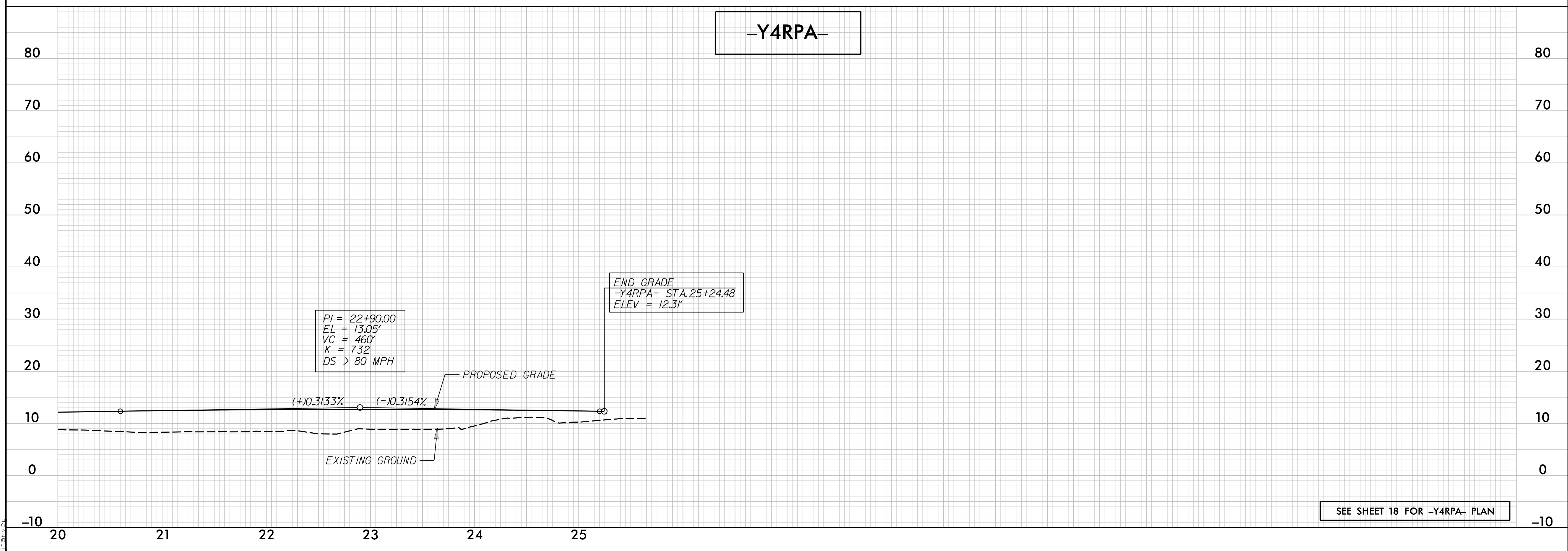
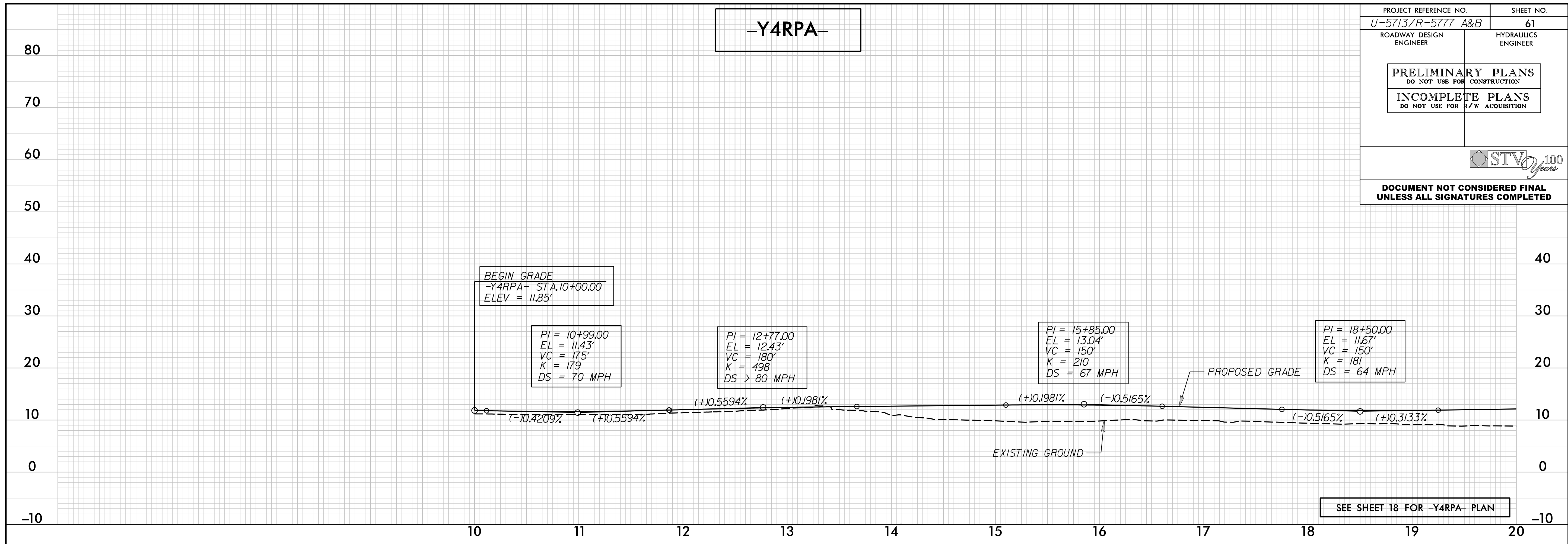


-Y4-

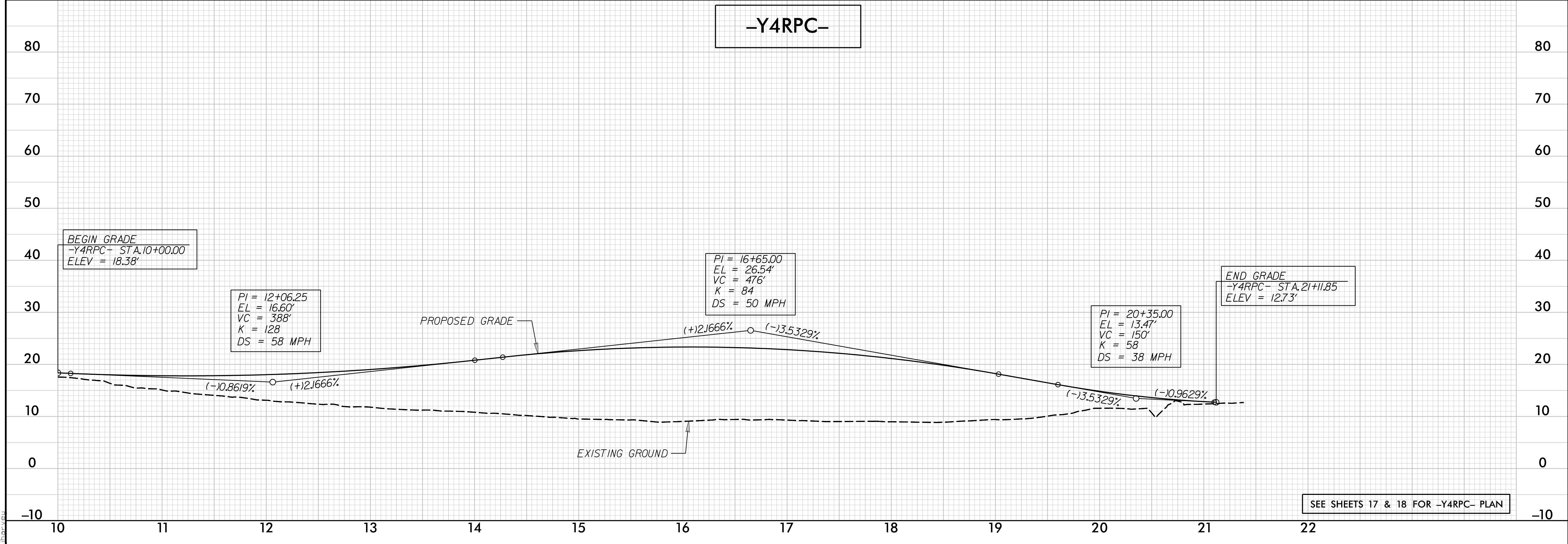
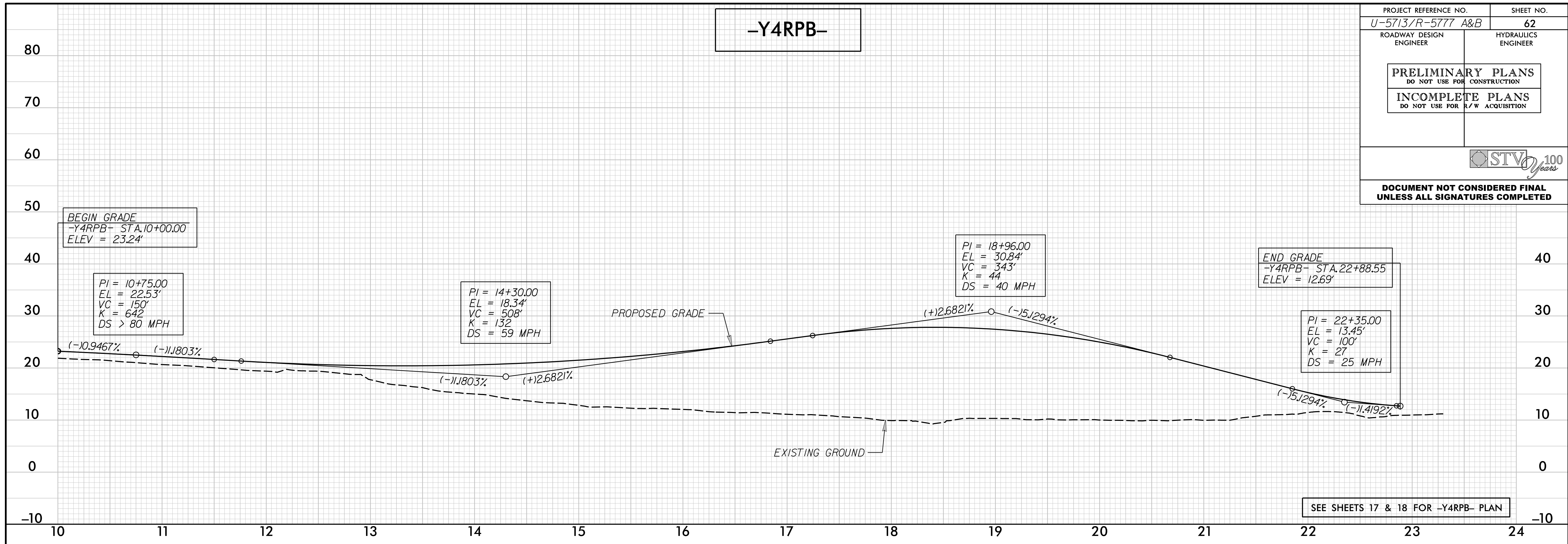
PROJECT REFERENCE NO. U-5713/R-5777 A&B	SHEET NO. 60
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
STV 100 Years	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



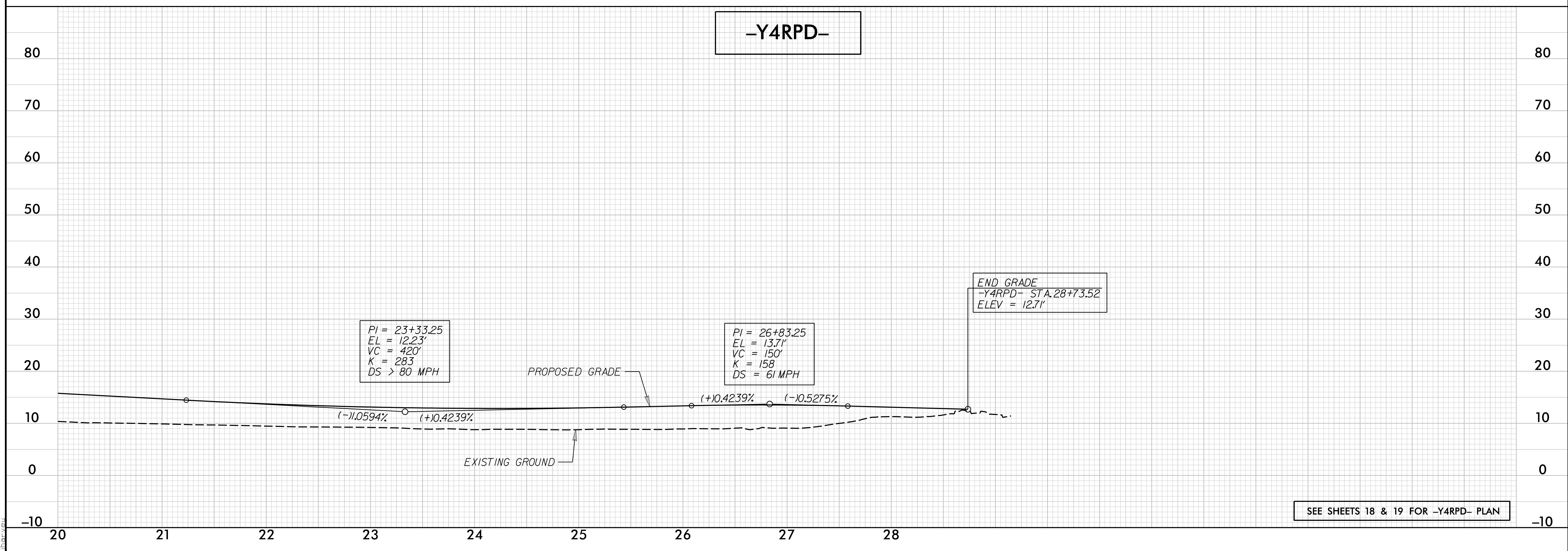
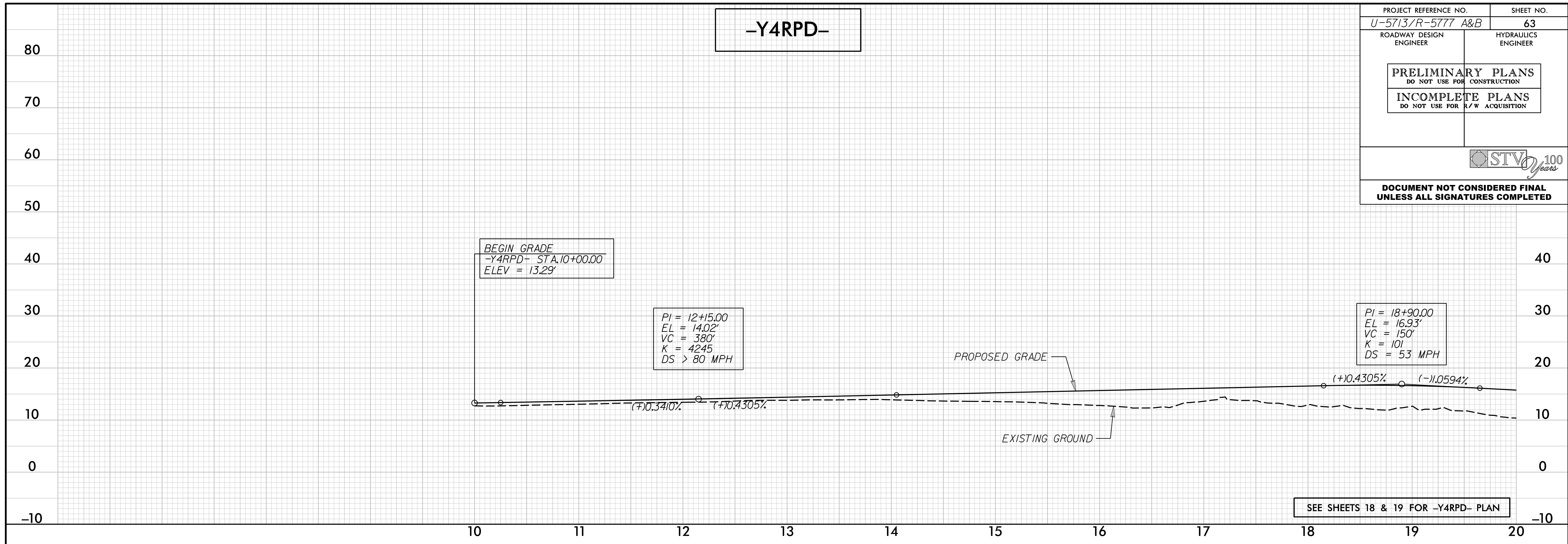
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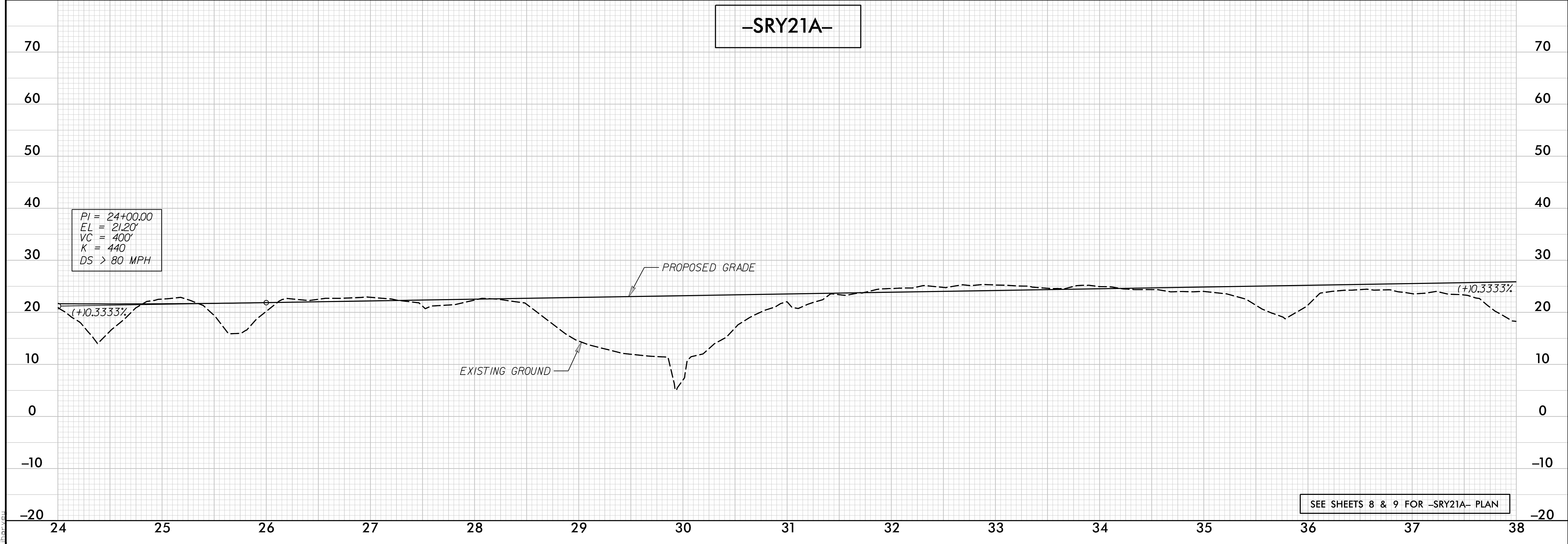
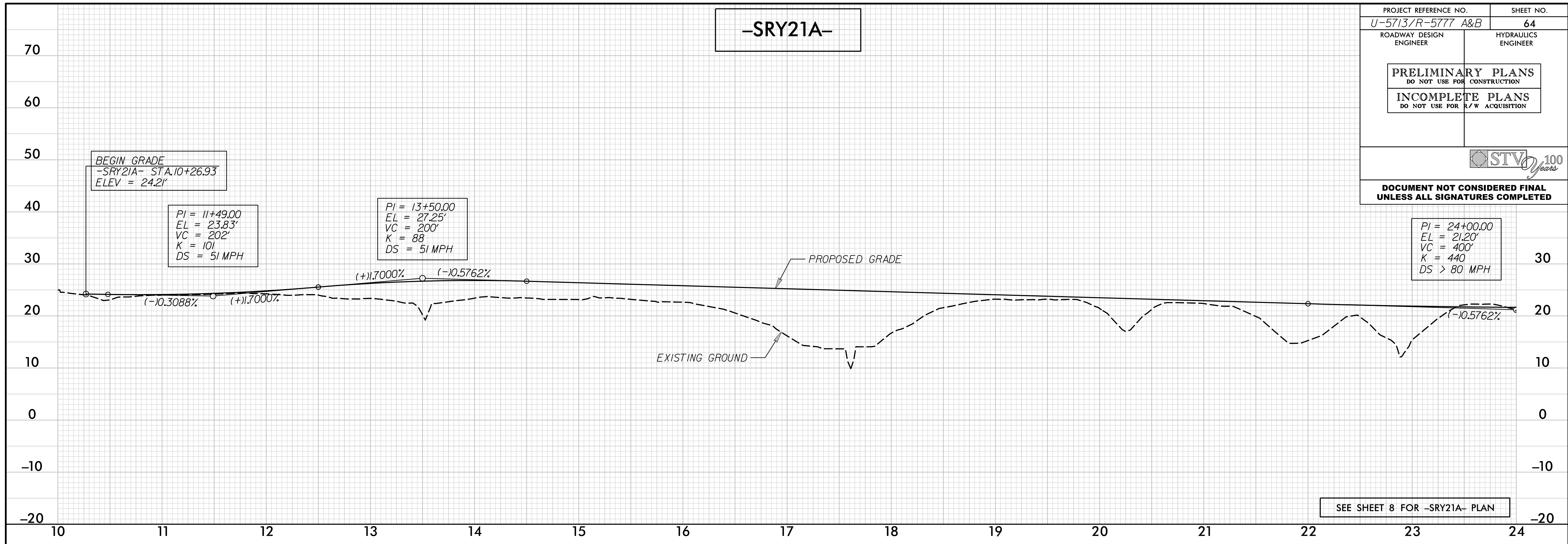
12/30/2018 8:07:77_Hyd_PSH_61.pfl.dgn
 dbayau



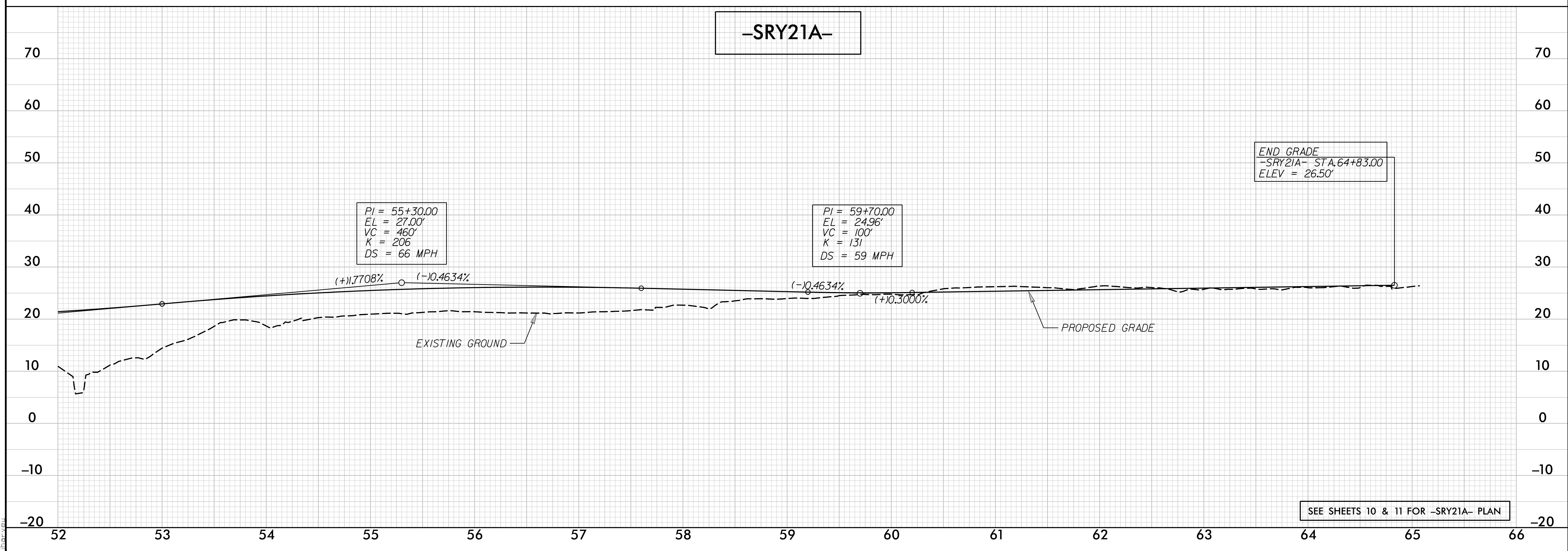
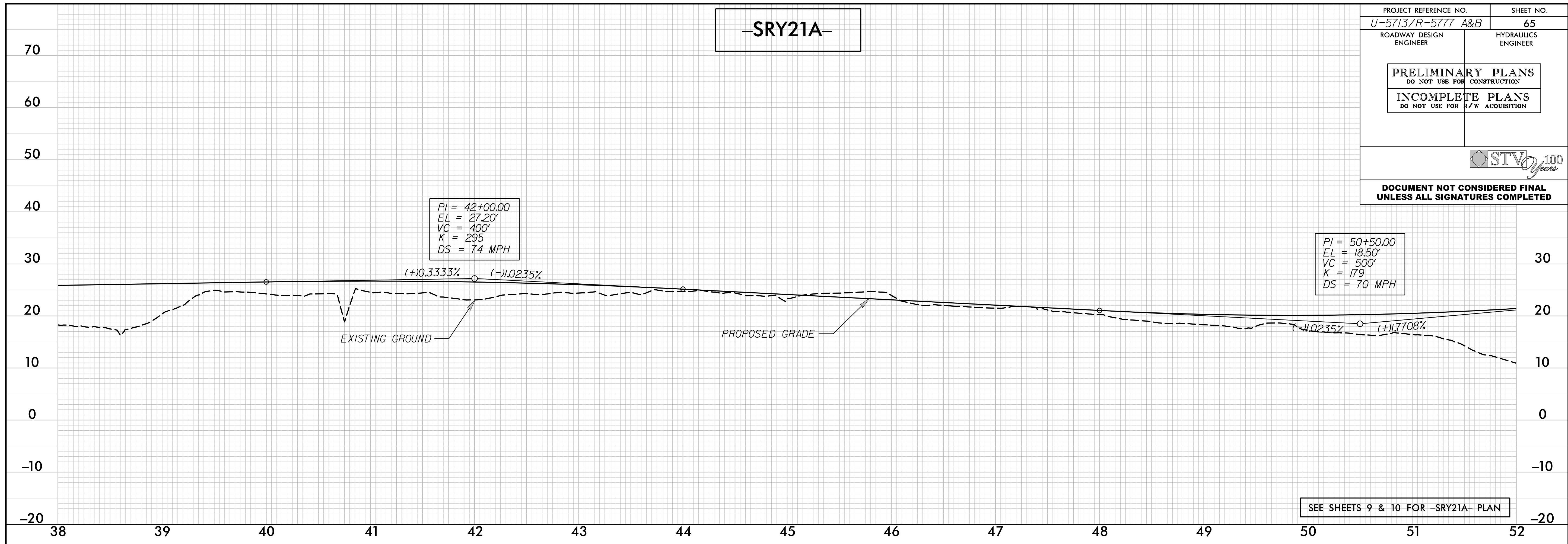
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 1/24/2019 8:07:17 AM Hyd_PSH_62.rvt.dgn




12/6/2019 10:57:13 AM U-5713-R-5777-Hyd-P&S-63.plt.dgn
 jbarbeau

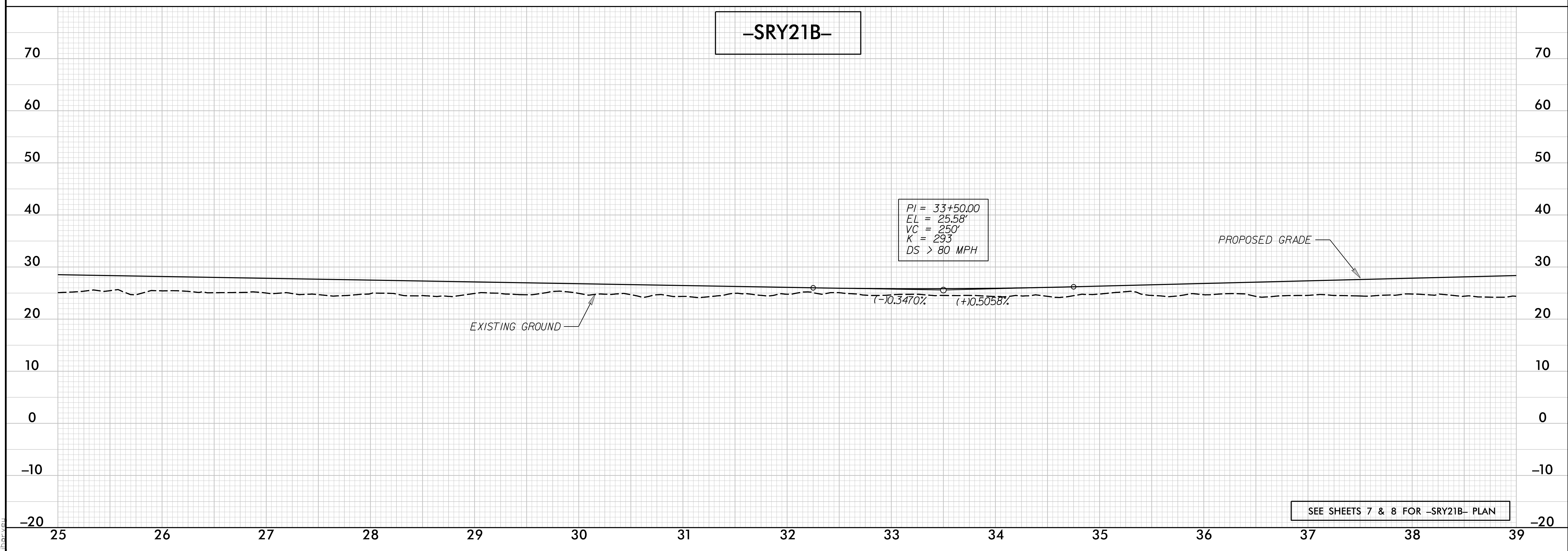
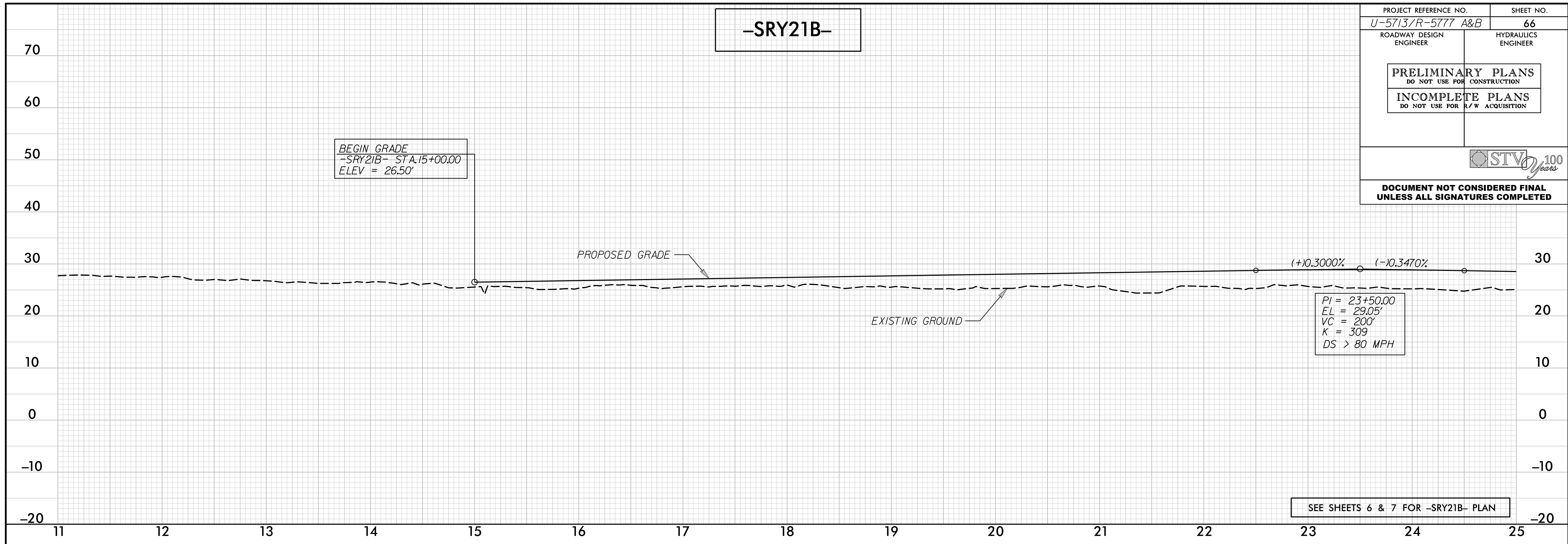


12/10/2018 10:57:33 AM C:\Users\jbarbeau\OneDrive\Documents\12673880777_Hyd_PSH_64.plt.dgn

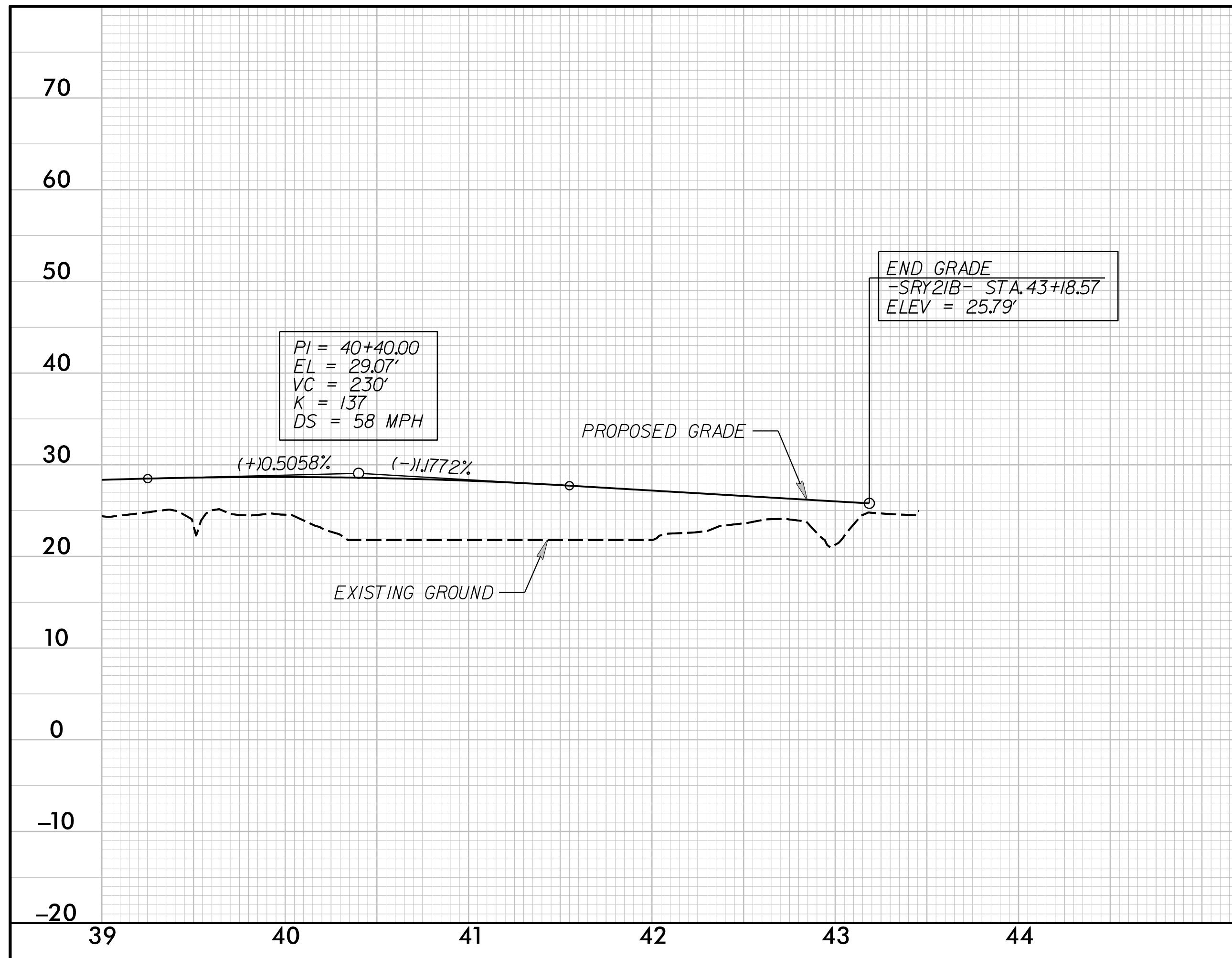


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 jbarbeau

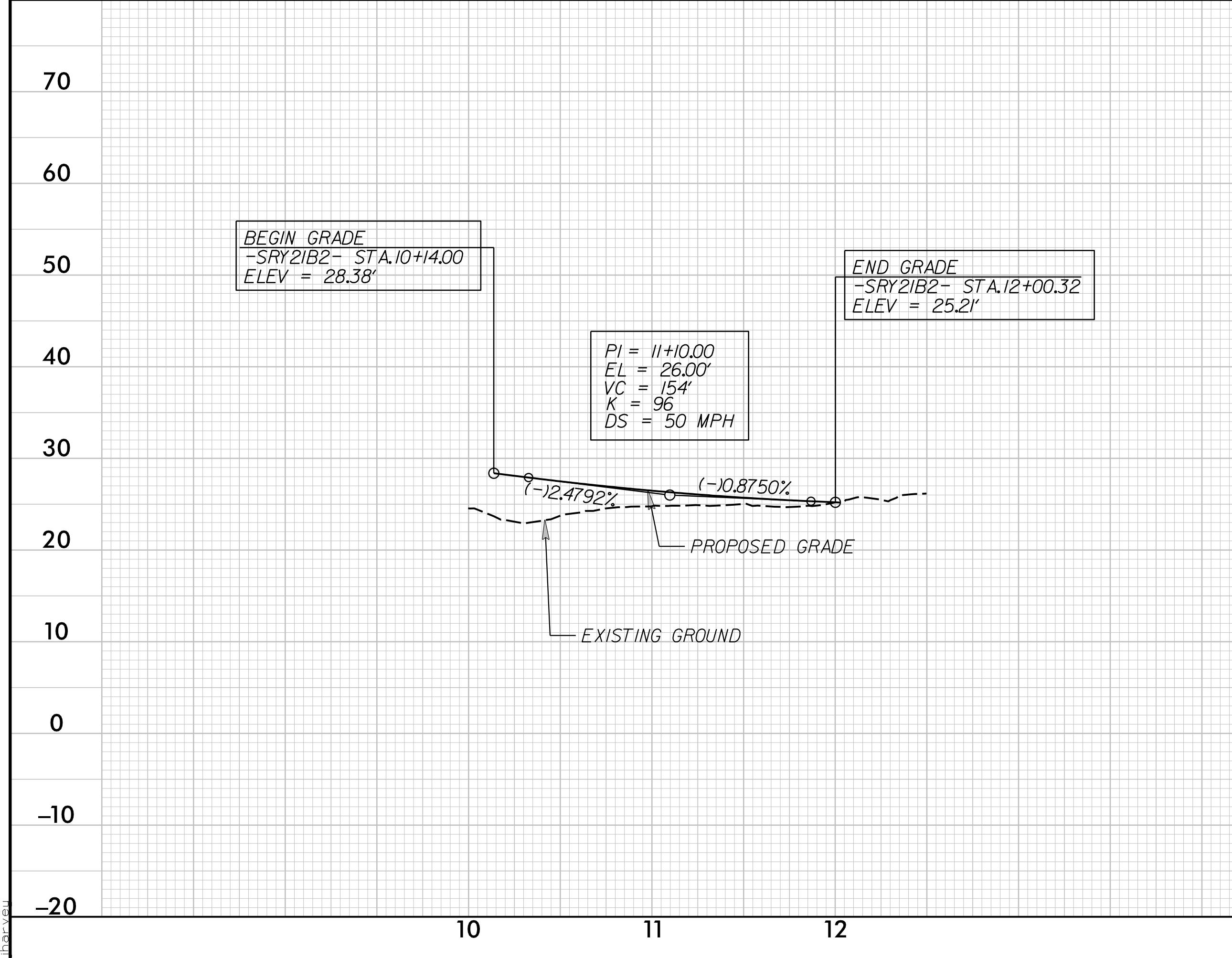
PROJECT REFERENCE NO. U-5713/R-5777 A&B	SHEET NO. 66
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



I:\6730\2018\126713\5777_Hyd_PSH_66.plt.dgn
 12/26/18 10:57 AM
 jbarbeau

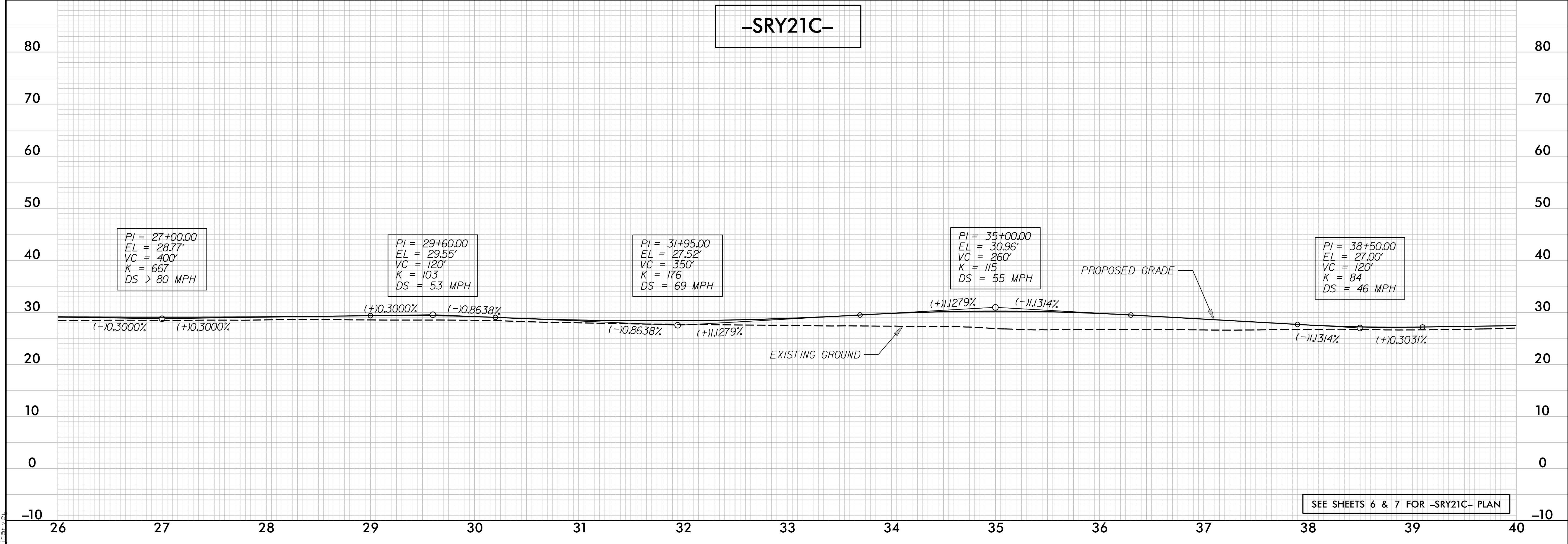
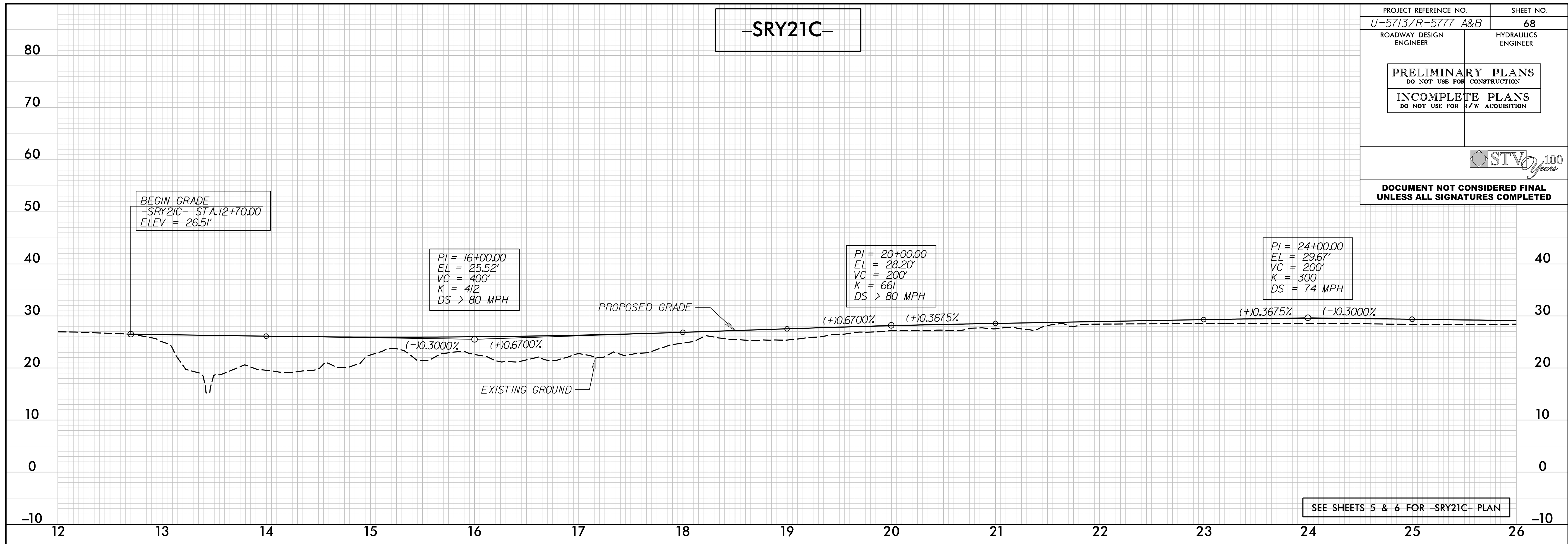


SEE SHEET 8 FOR -SRY21B- PLAN

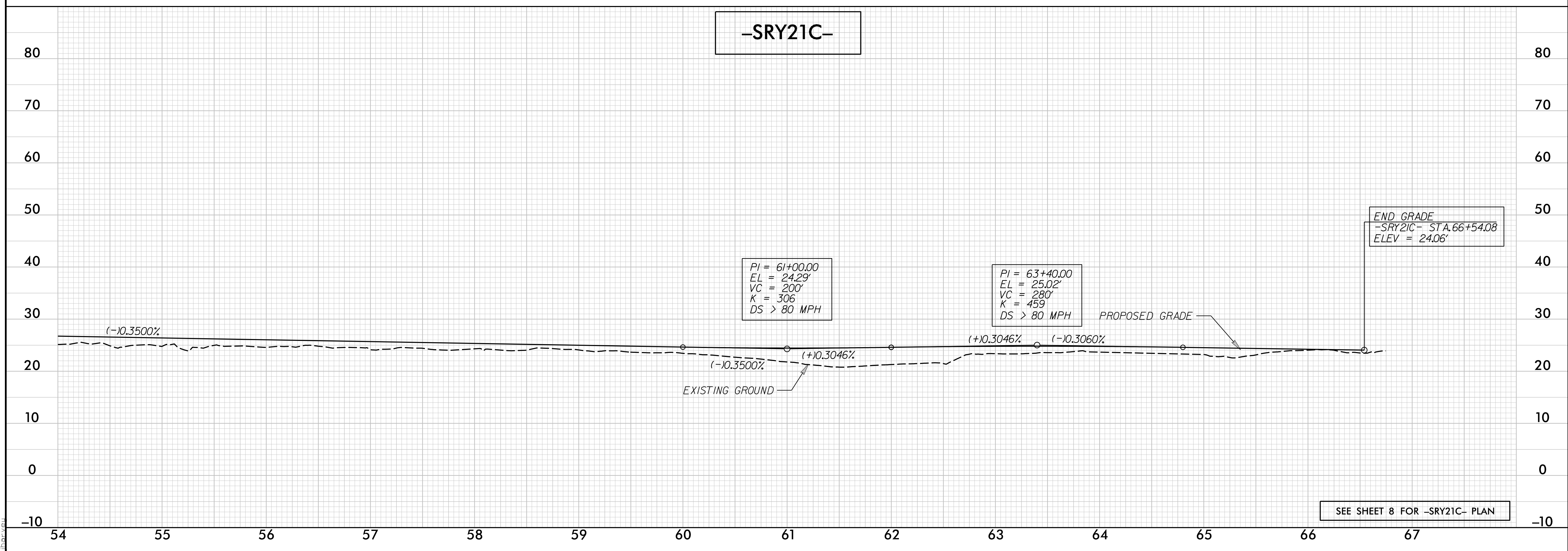
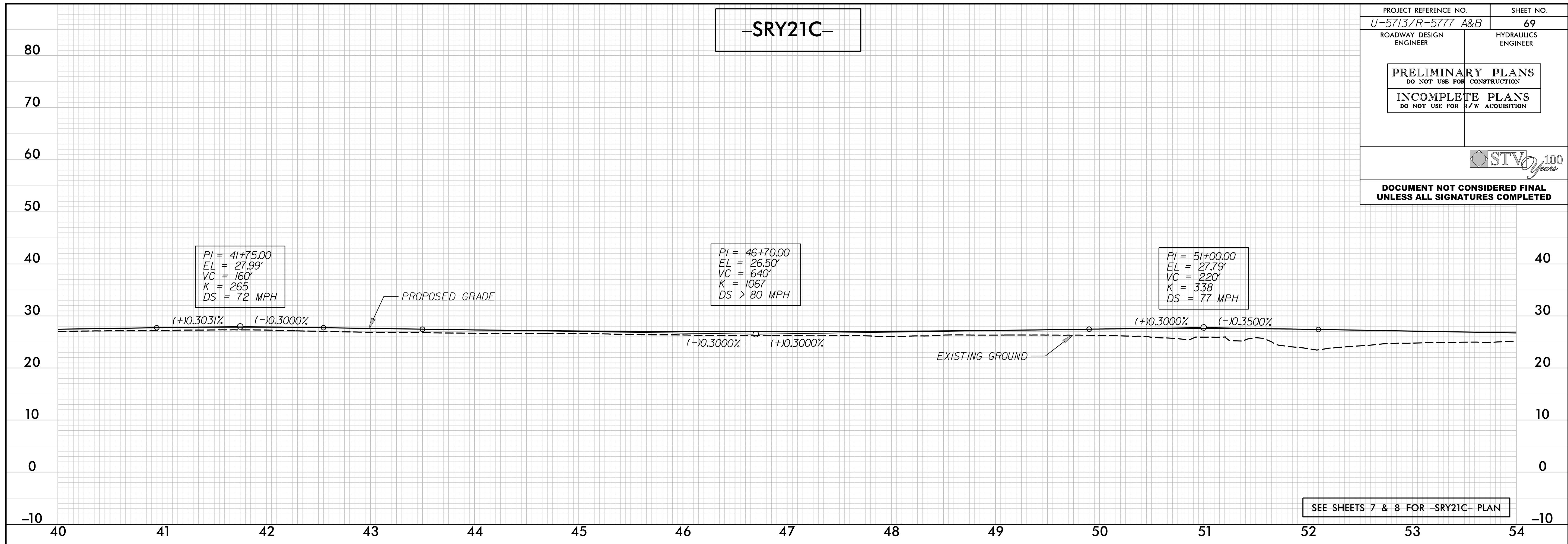


SEE SHEET 8 FOR -SRY21B2- PLAN

1/26/2018 10:57:13 AM 1/26/2018 10:57:13 AM 1/26/2018 10:57:13 AM
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 1/26/2018 10:57:13 AM 1/26/2018 10:57:13 AM 1/26/2018 10:57:13 AM

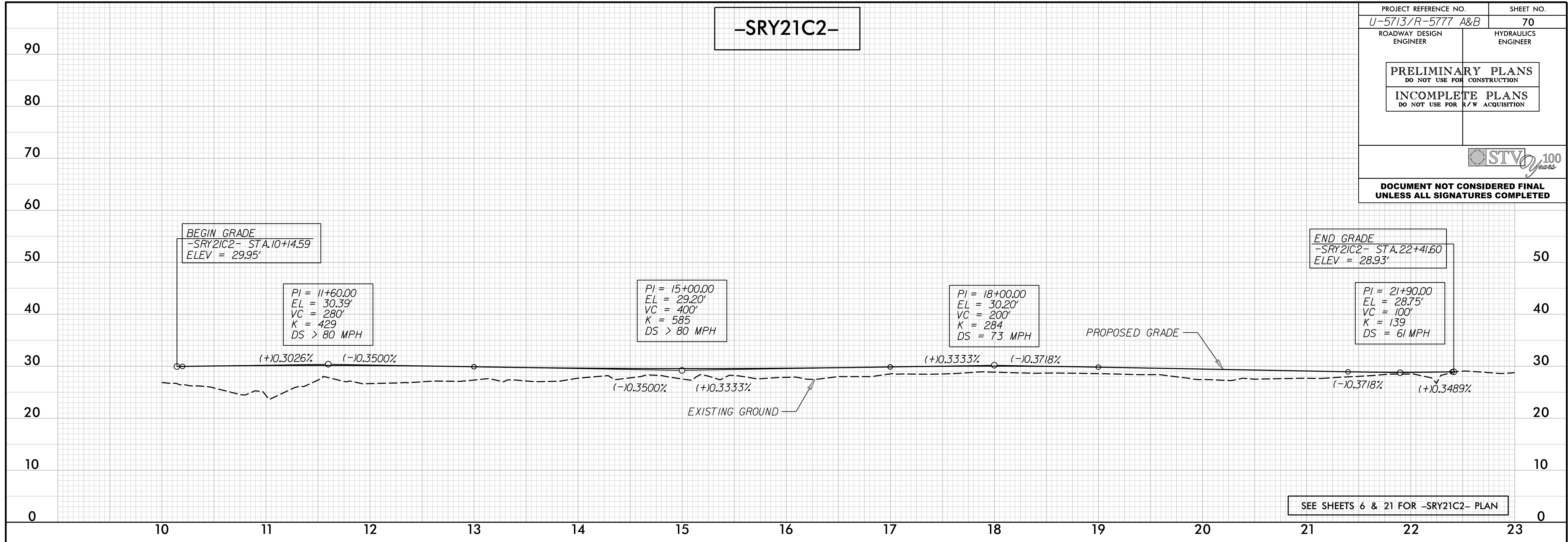


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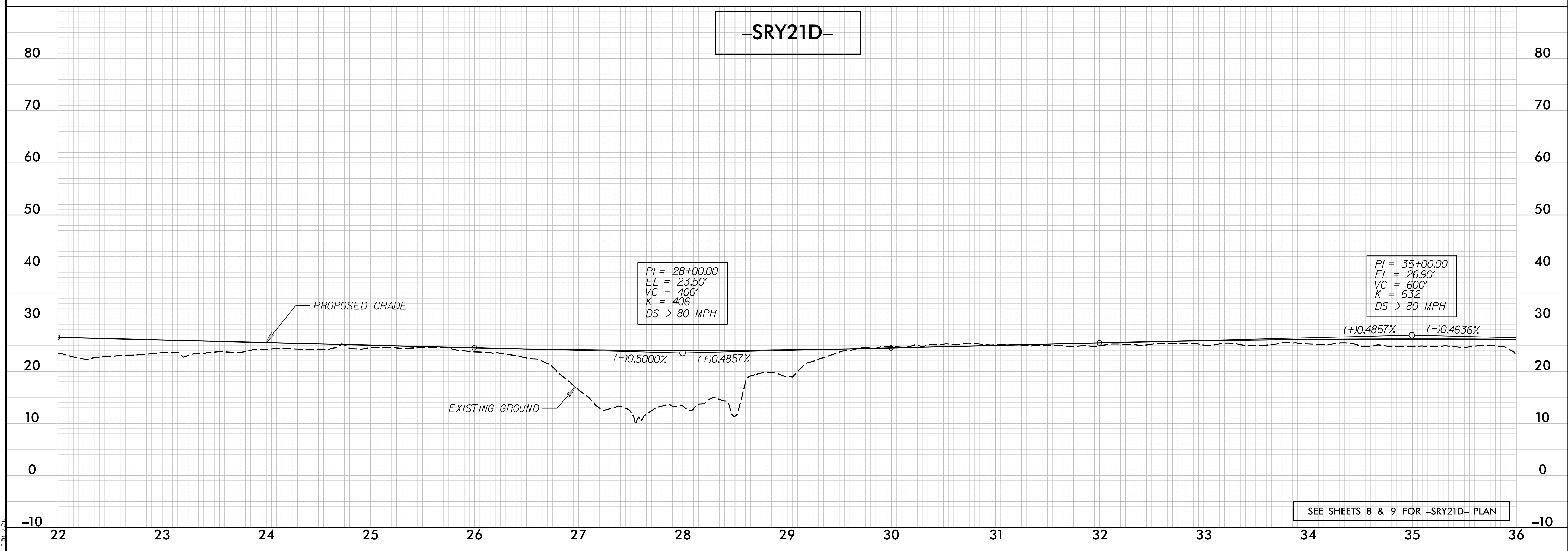
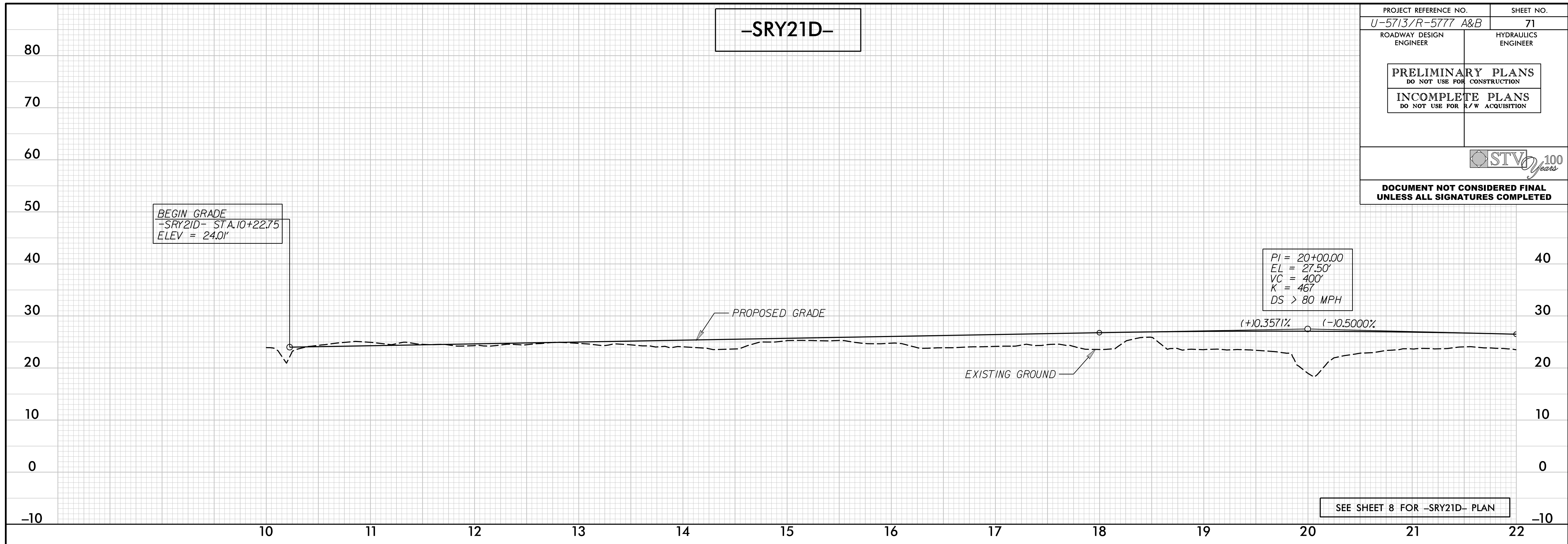
-SRY21C2-

PROJECT REFERENCE NO. U-5713/R-5777 A&B	SHEET NO. 70
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
STV 100 Years	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	




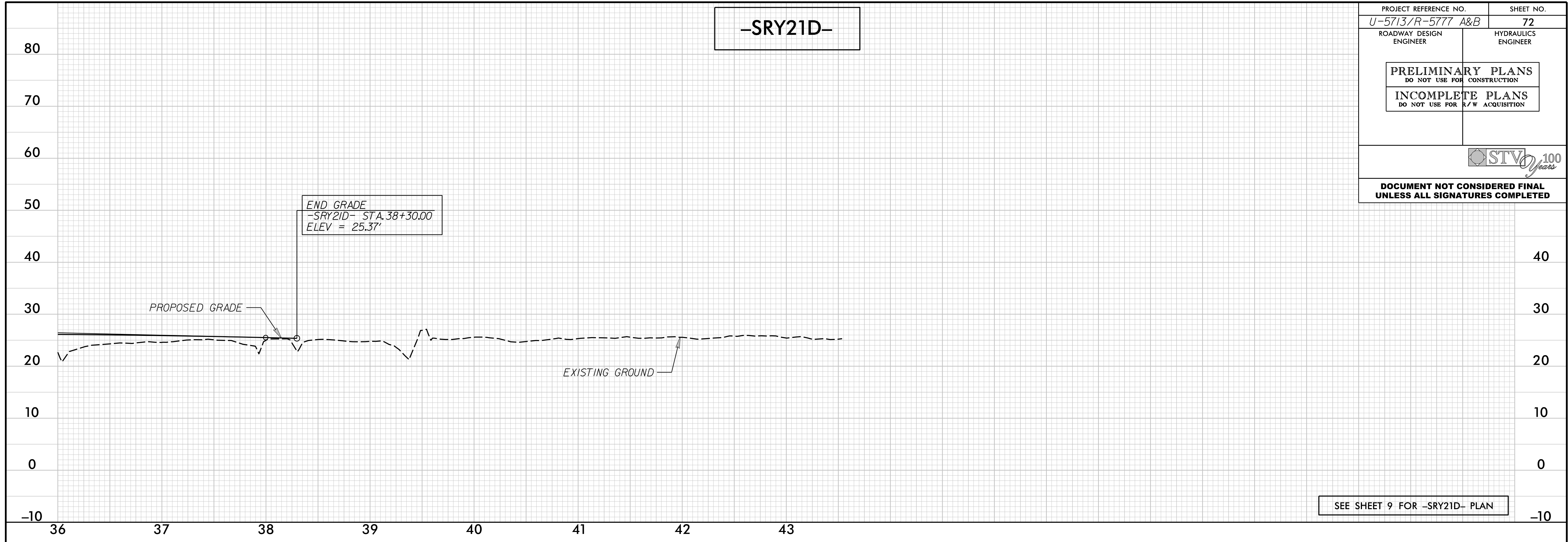
SEE SHEETS 6 & 21 FOR -SRY21C2- PLAN

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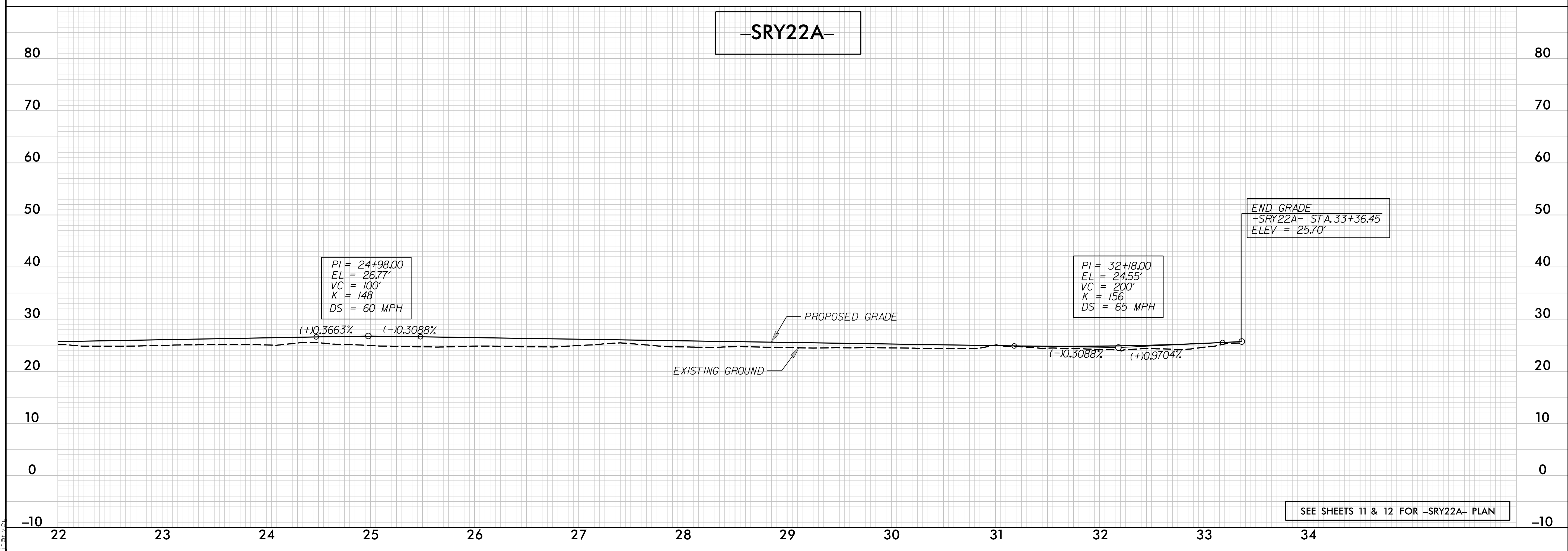
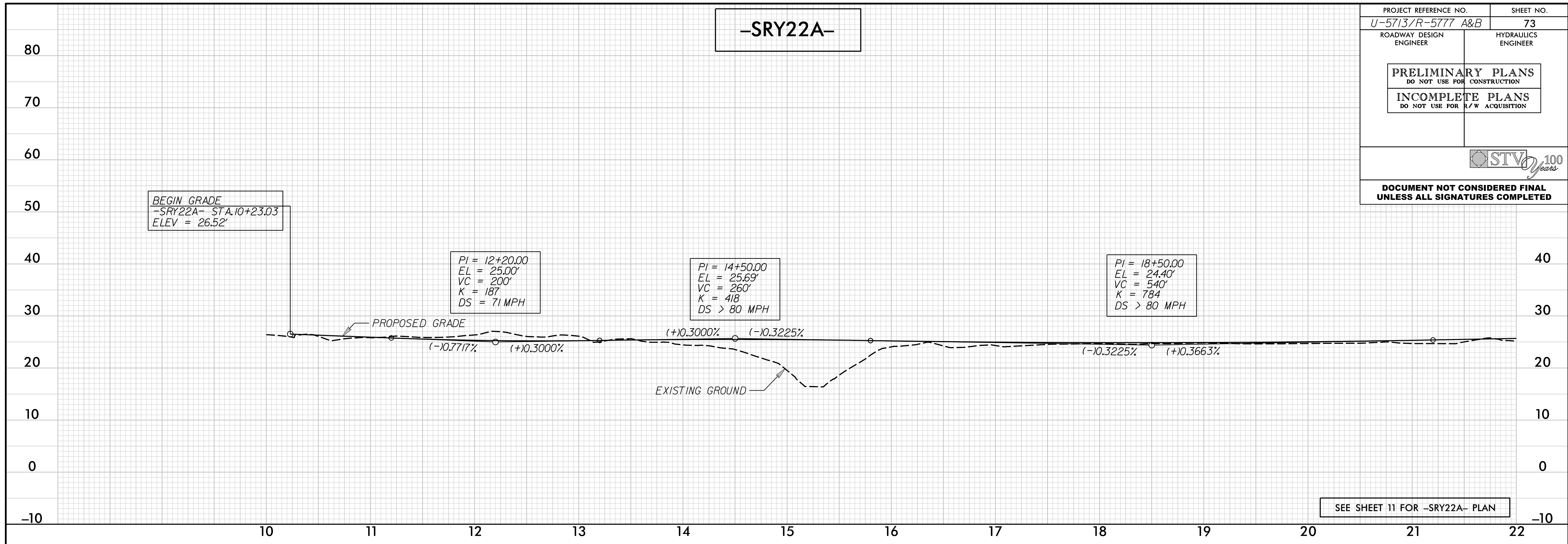
-SRY21D-

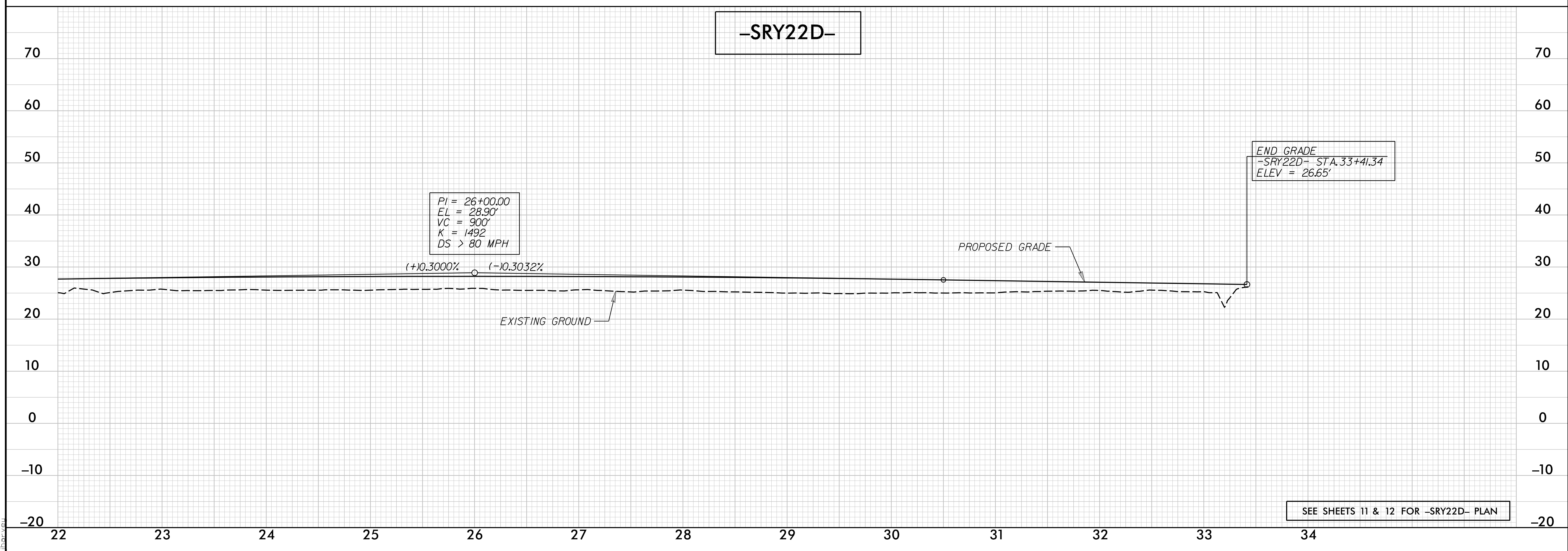
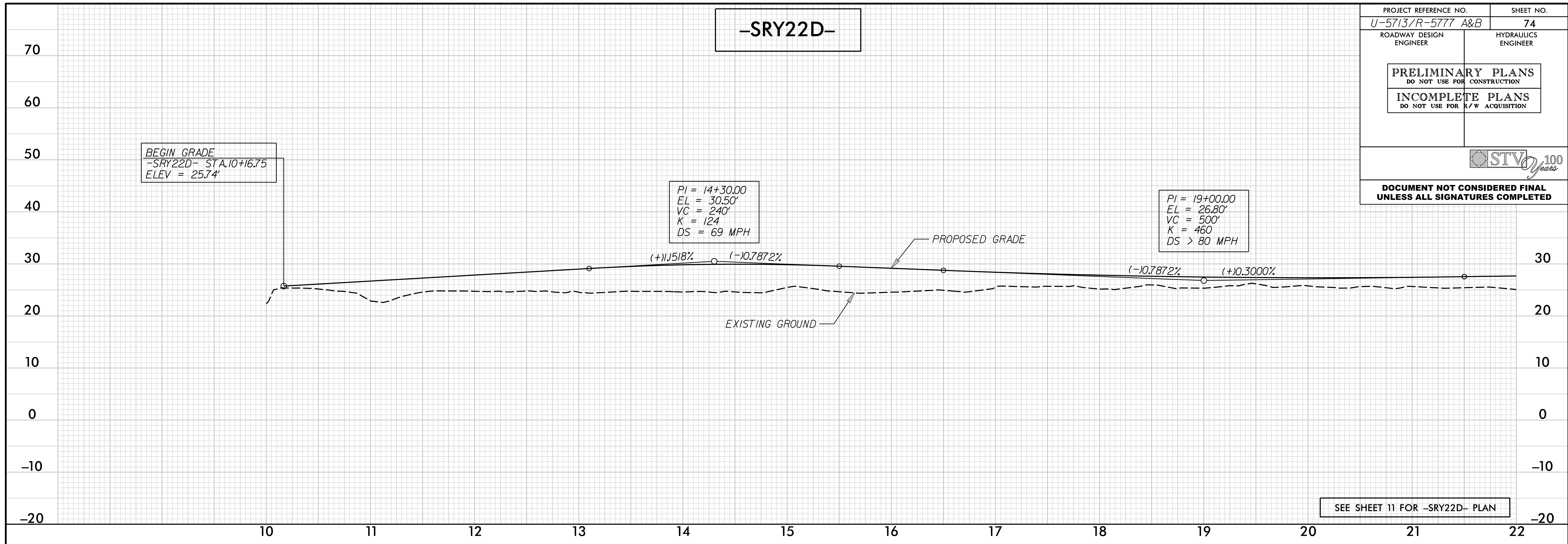
PROJECT REFERENCE NO. U-5713/R-5777 A&B	SHEET NO. 72
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

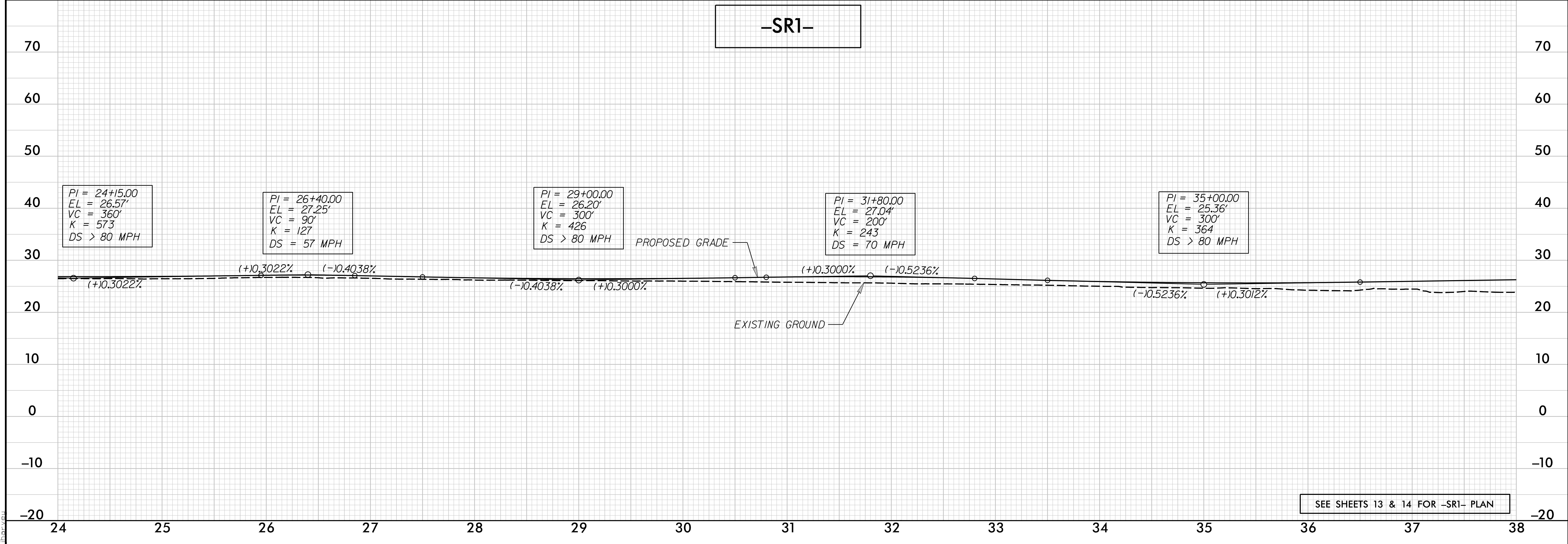
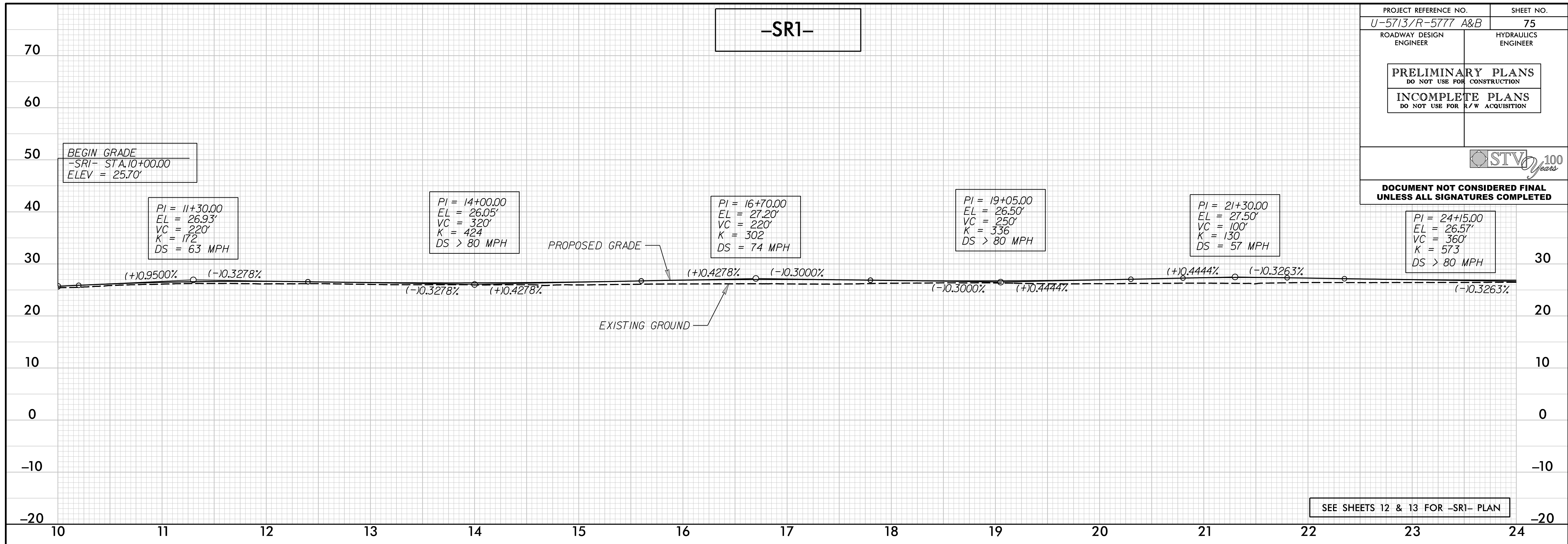


SEE SHEET 9 FOR -SRY21D- PLAN


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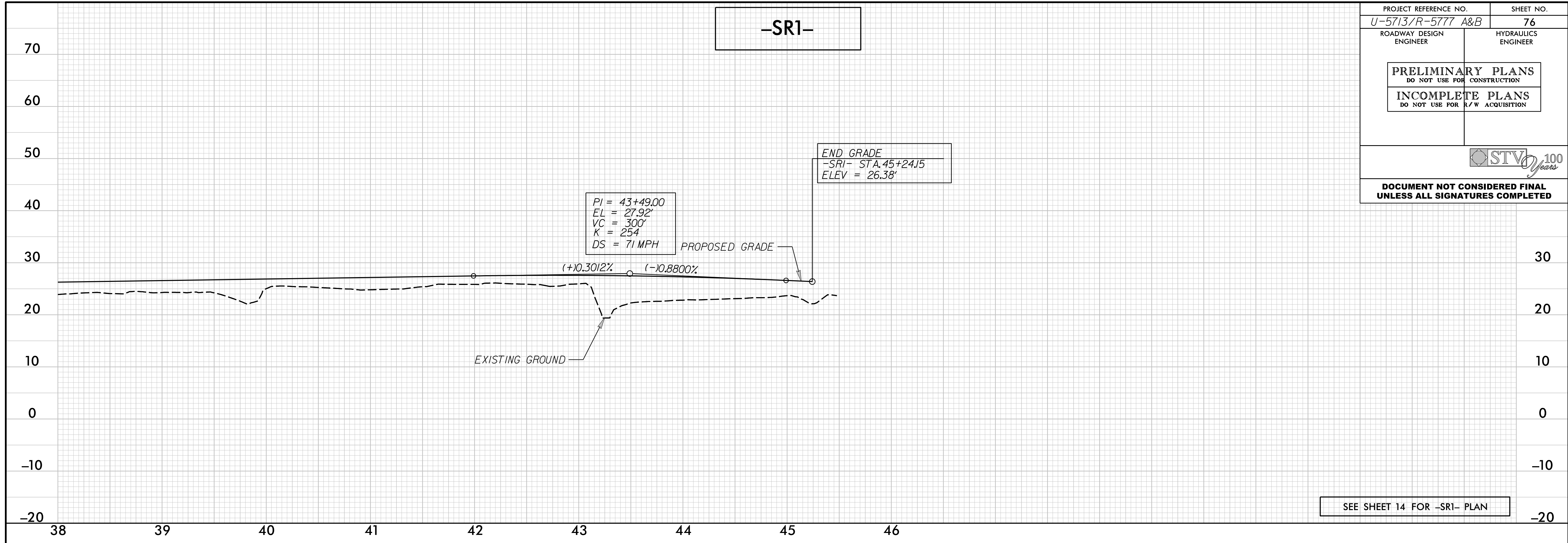




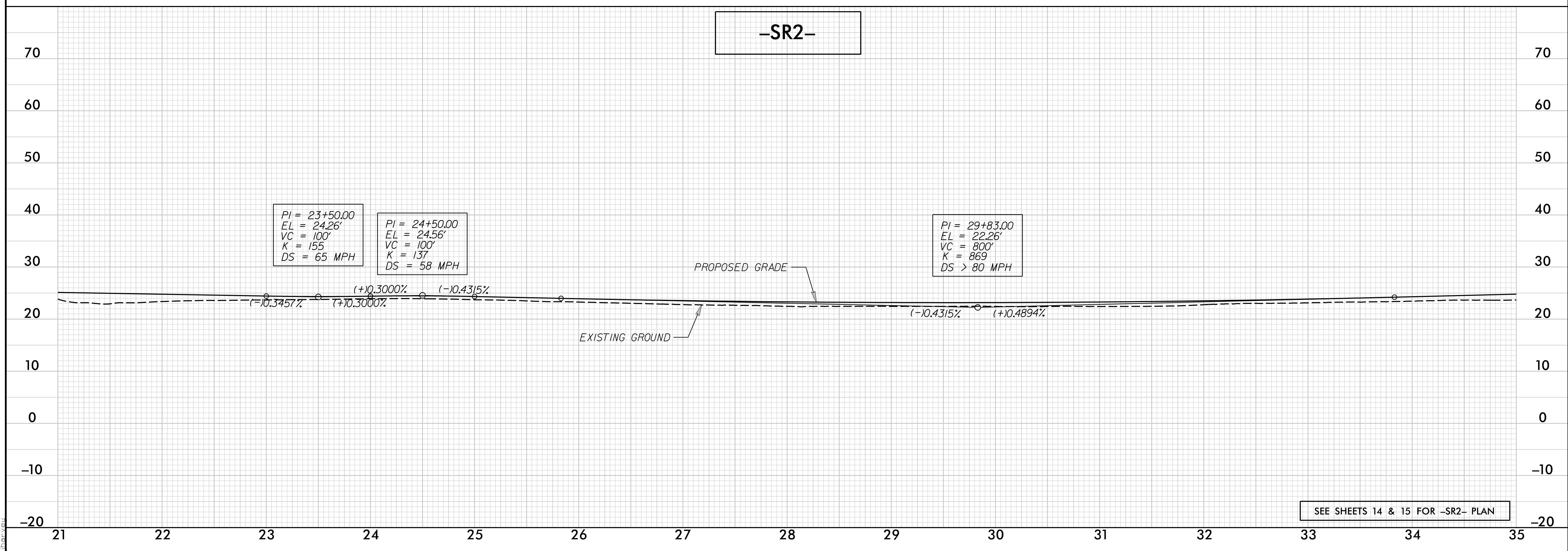
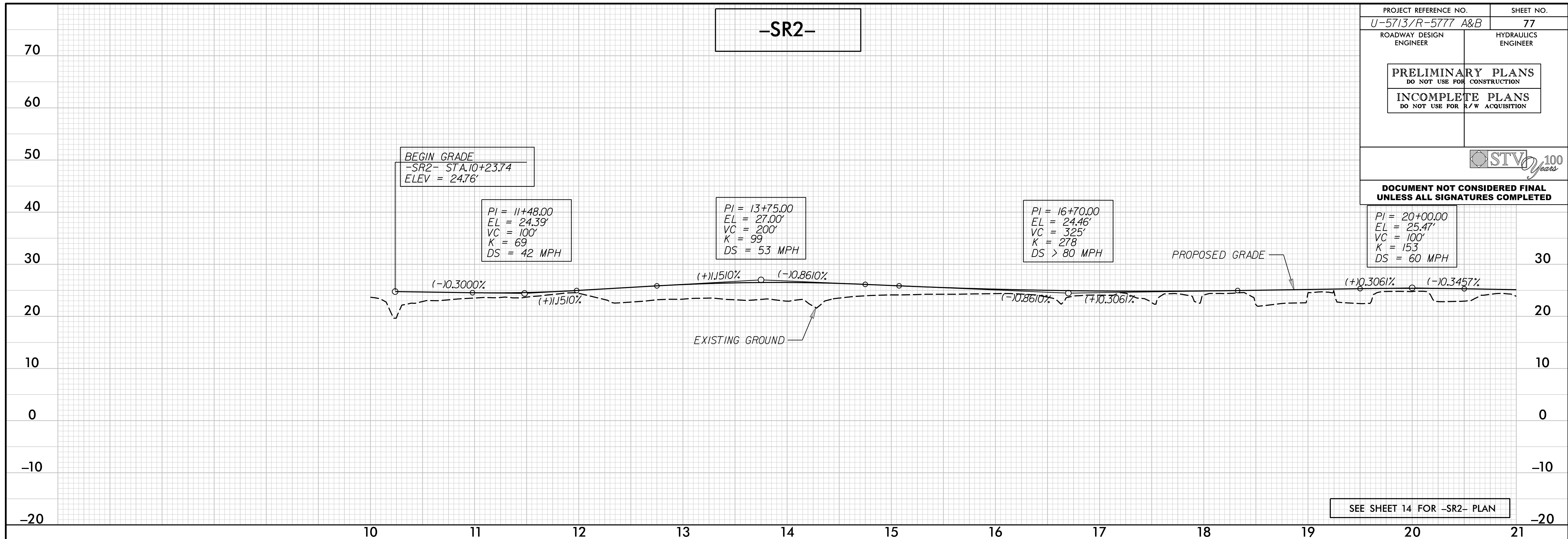


-SR1-

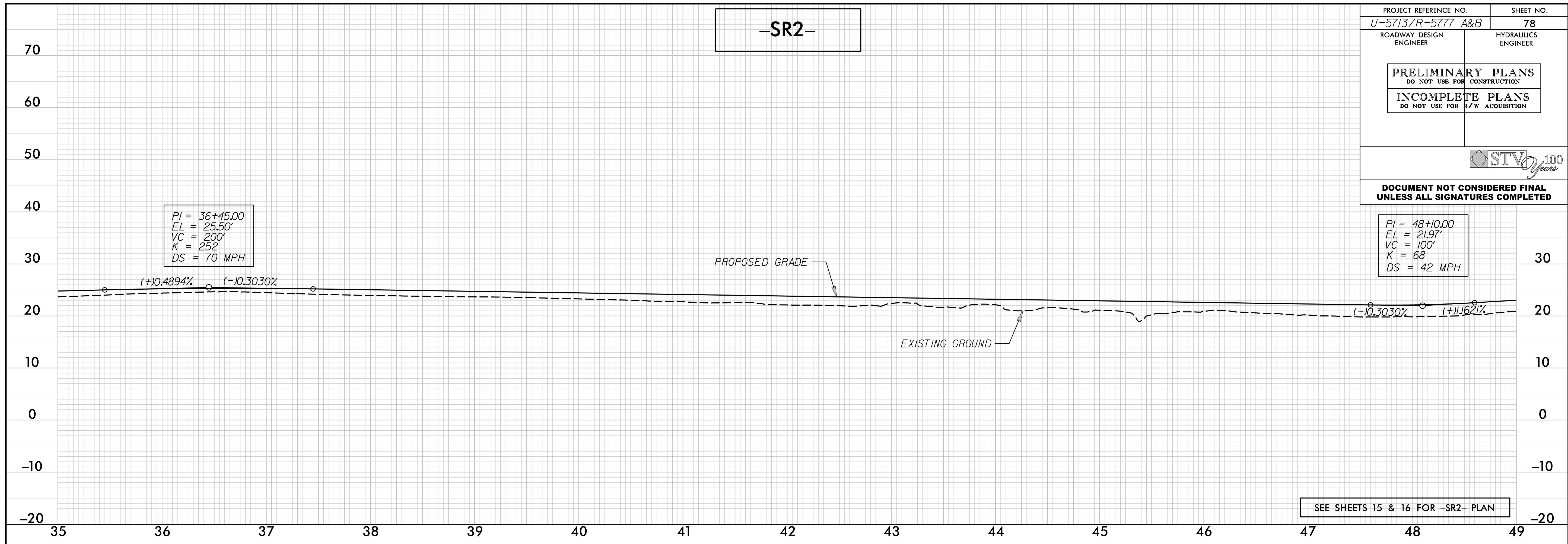
PROJECT REFERENCE NO. U-5713/R-5777 A&B	SHEET NO. 76
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	




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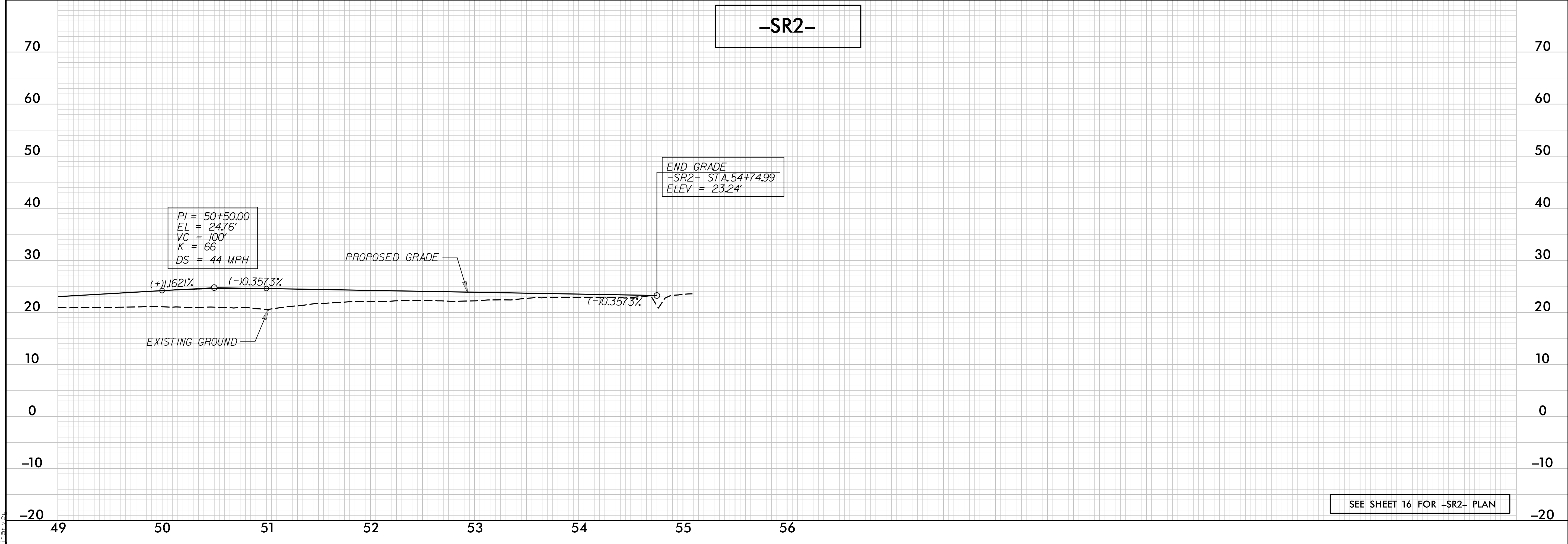


-SR2-

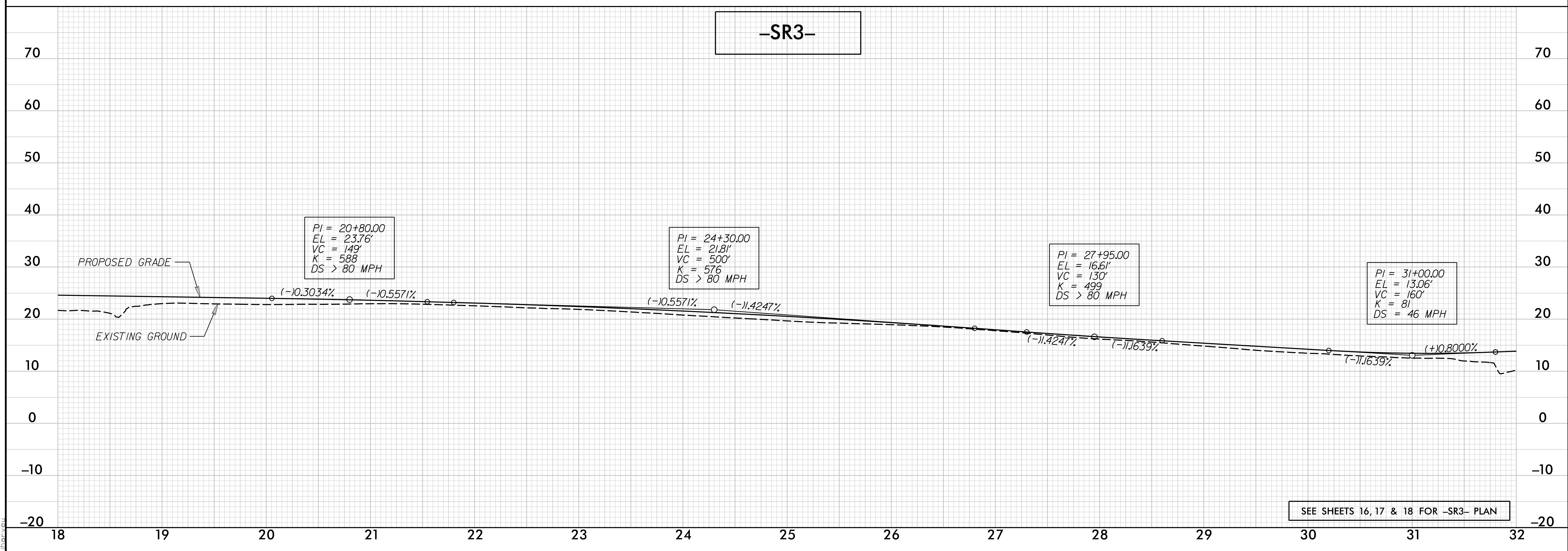
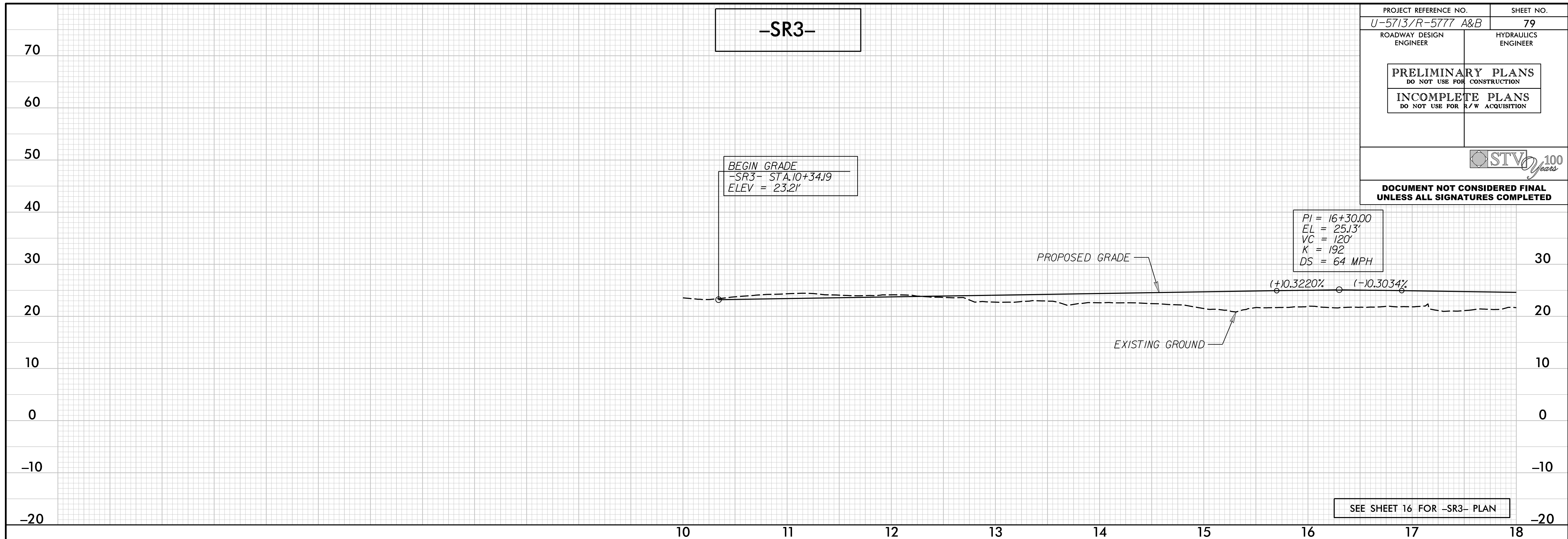


PROJECT REFERENCE NO. U-5713/R-5777 A&B	SHEET NO. 78
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

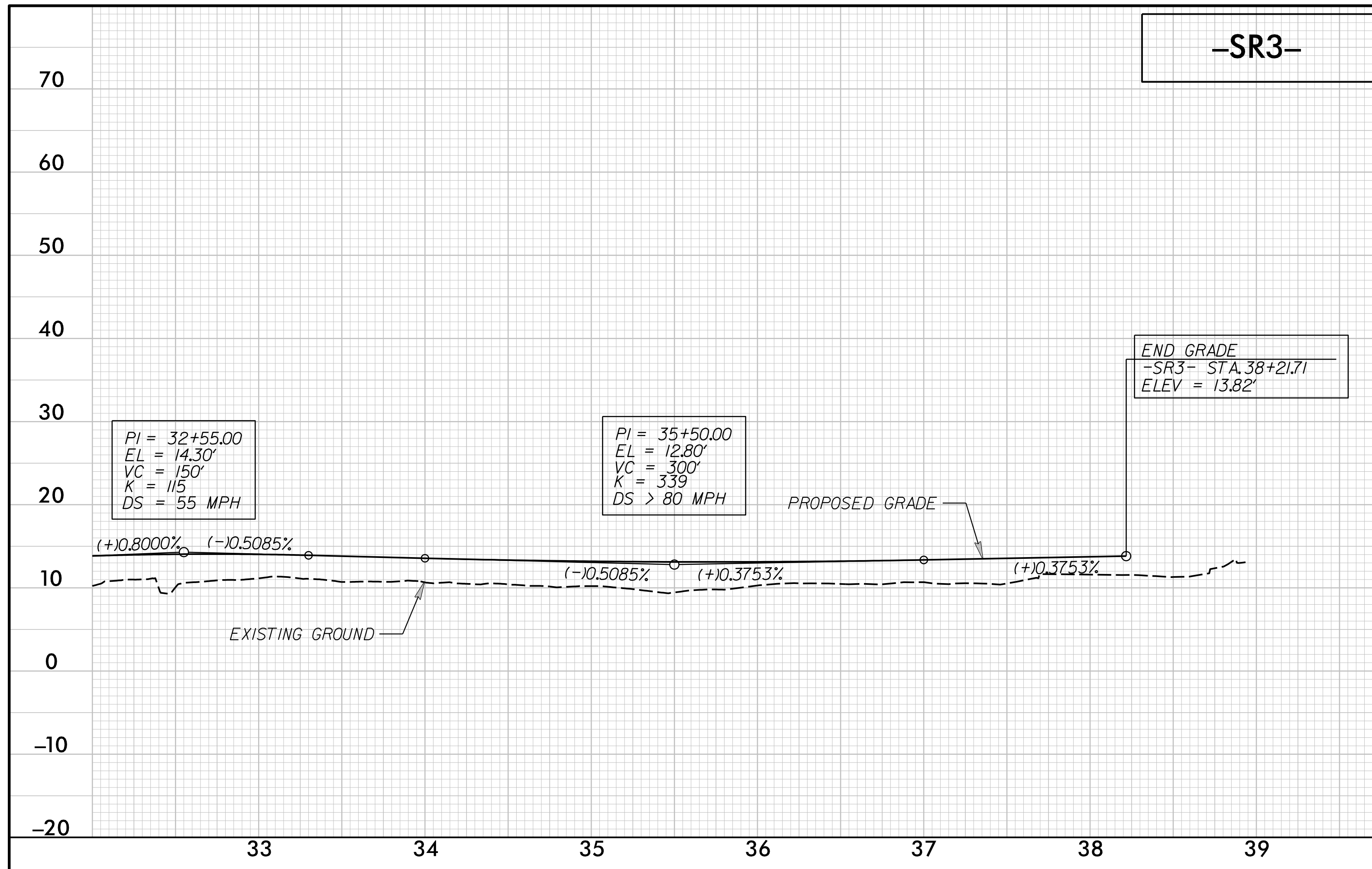
-SR2-



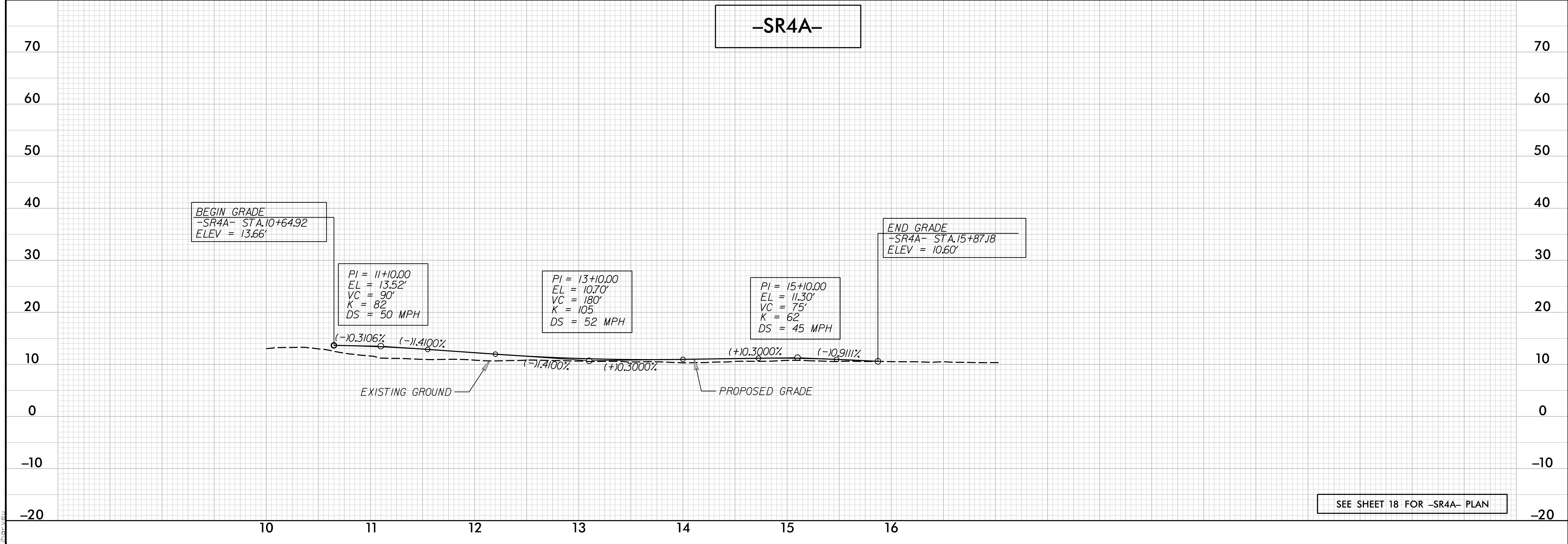
12/10/2018 10:57:33 AM U:\Hyd_PSH_78.pfl.dgn



1/26/2018 8:07:17 AM Hyd_PSH_79.plt.dgn
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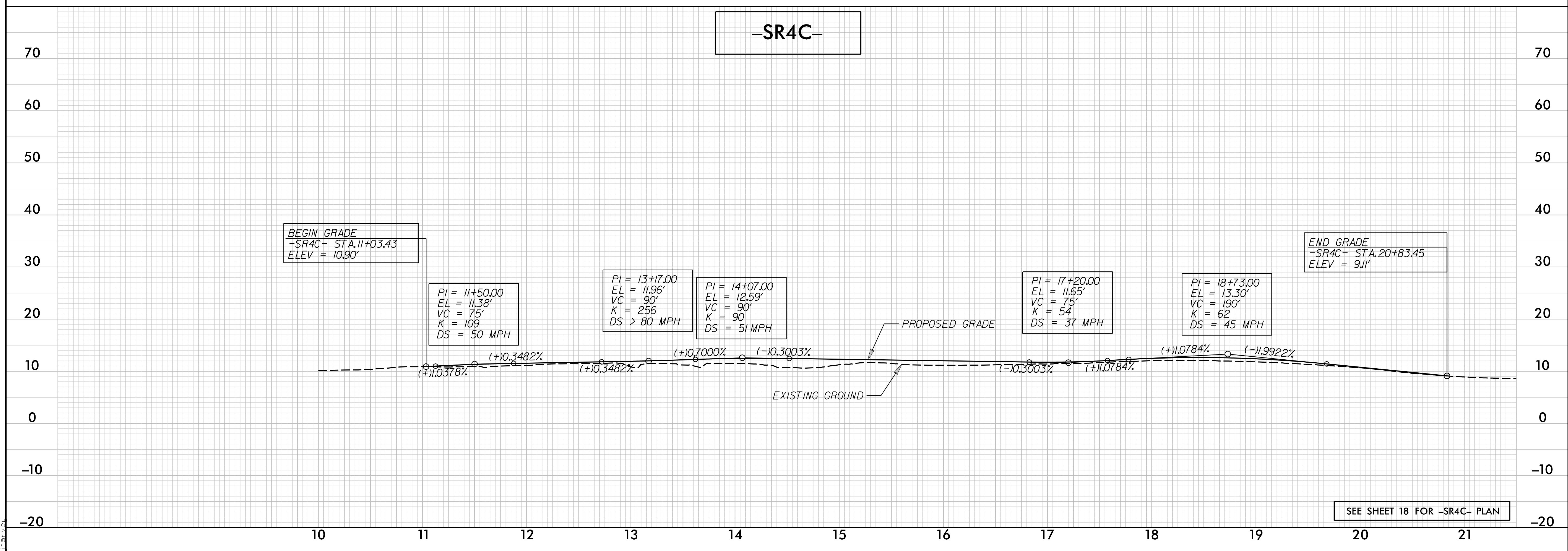
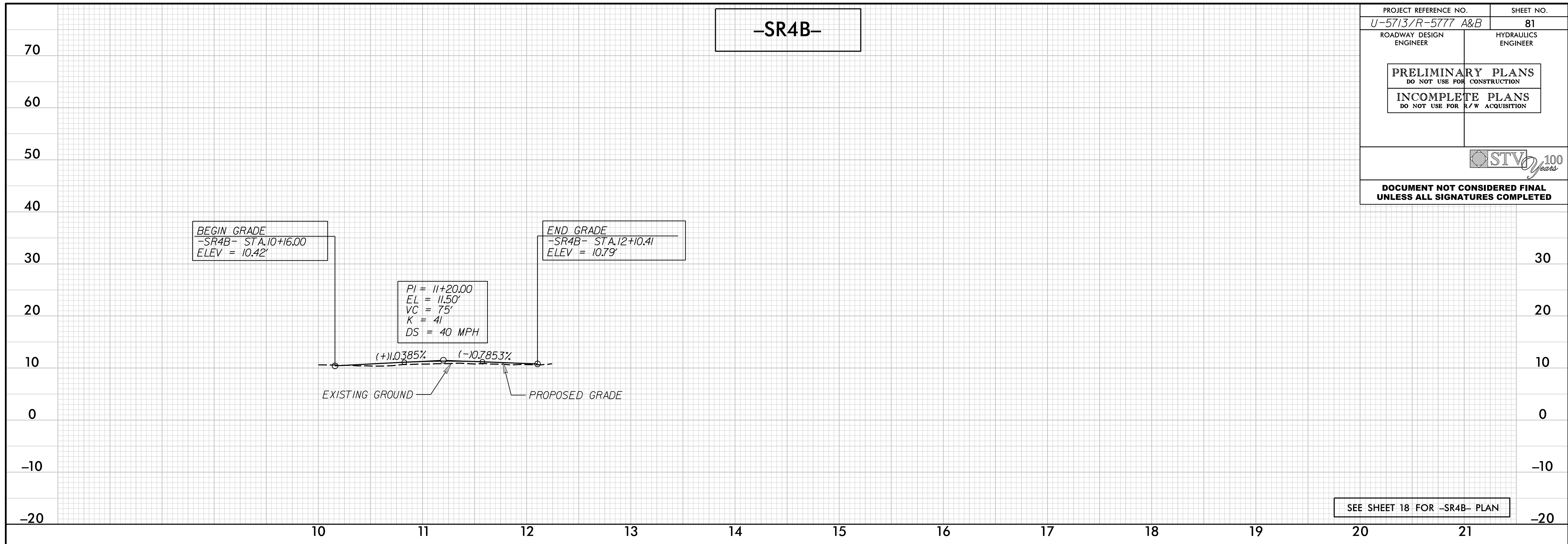


SEE SHEET 18 FOR -SR3- PLAN




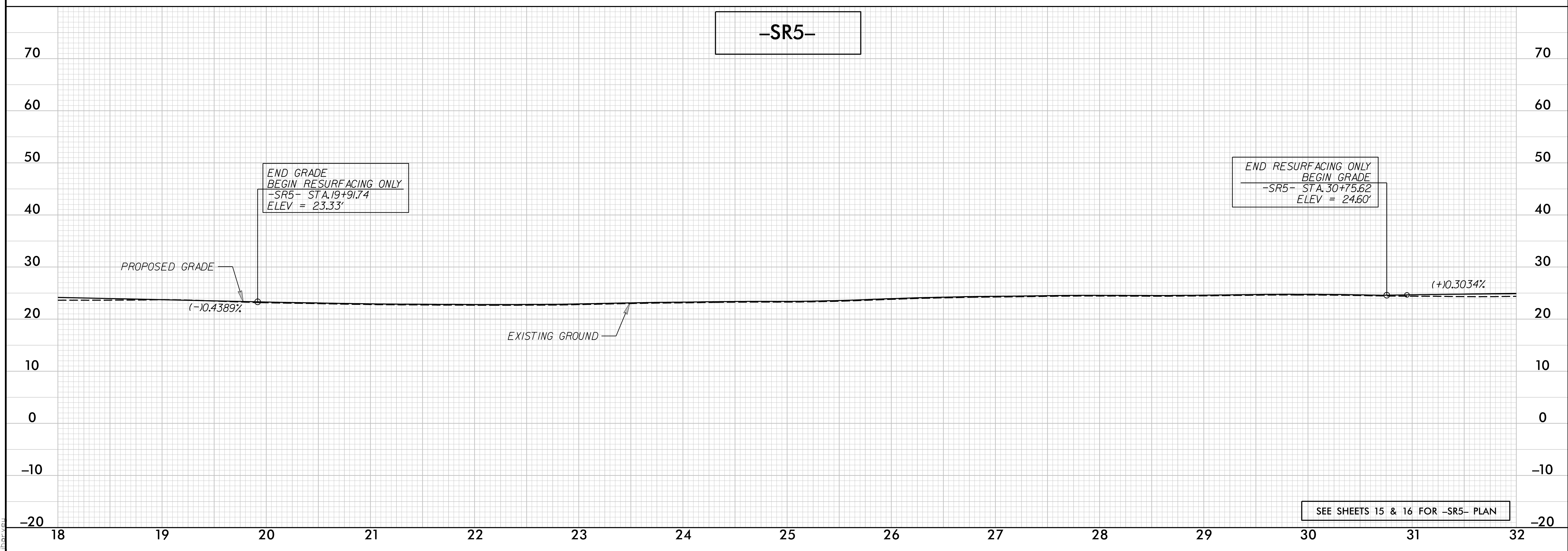
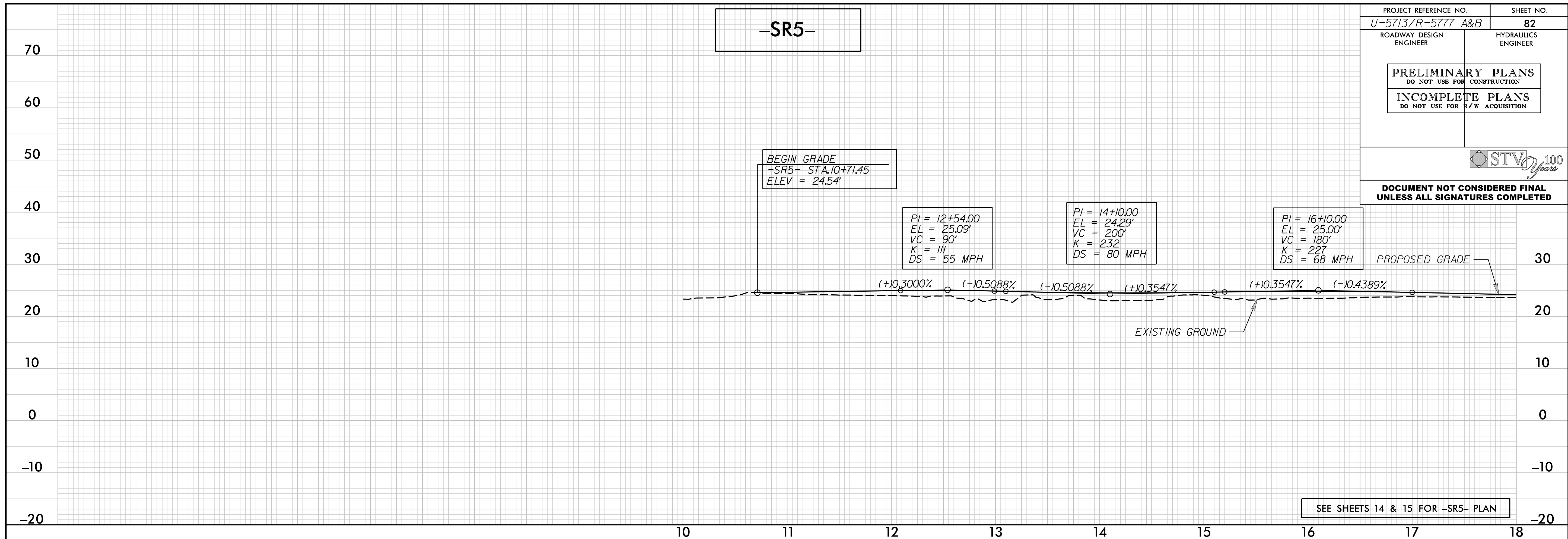
SEE SHEET 18 FOR -SR4A- PLAN

12/7/2018 8:07:77_Hyd_PSH_80.plt.dgn
 12/7/2018 8:07:77_Hyd_PSH_80.plt.dgn



12/13/2018 8:07:77_Hyd_PSH_81.pfl.dgn
 10/27/18 8:07:77_Hyd_PSH_81.pfl.dgn

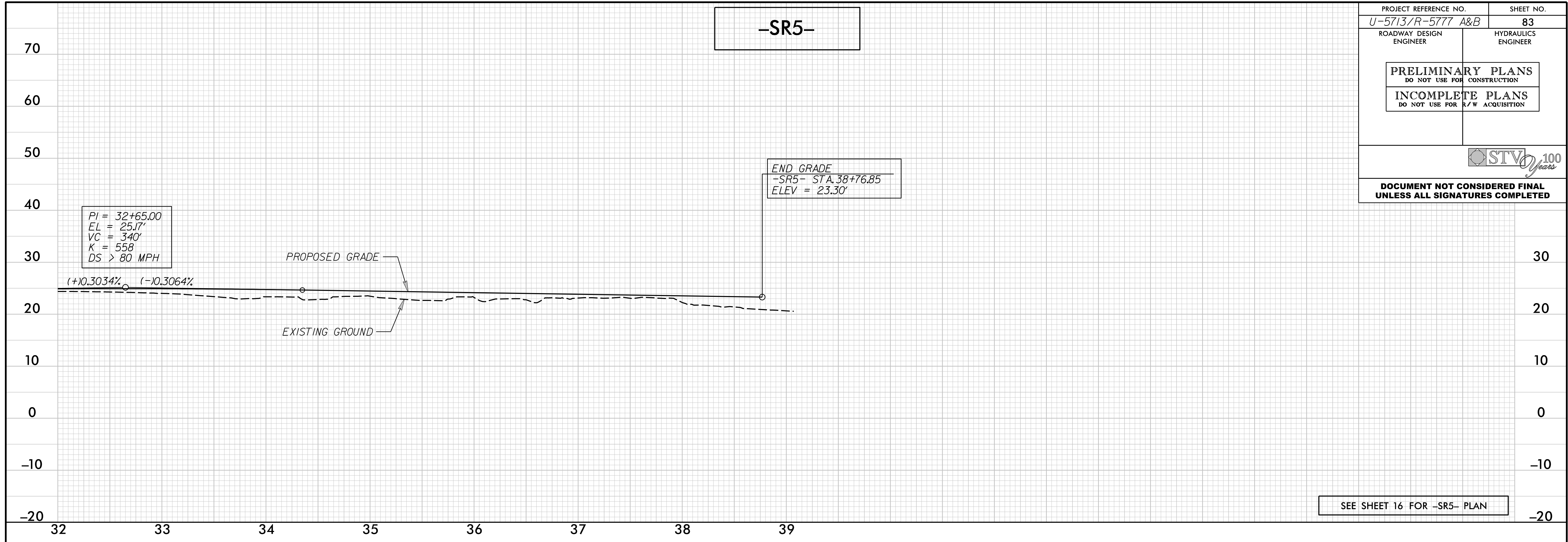
PROJECT REFERENCE NO. U-5713/R-5777 A&B	SHEET NO. 82
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	




12/6/2018 8:07:77_Hyd_PSH_82.rvt.dgn
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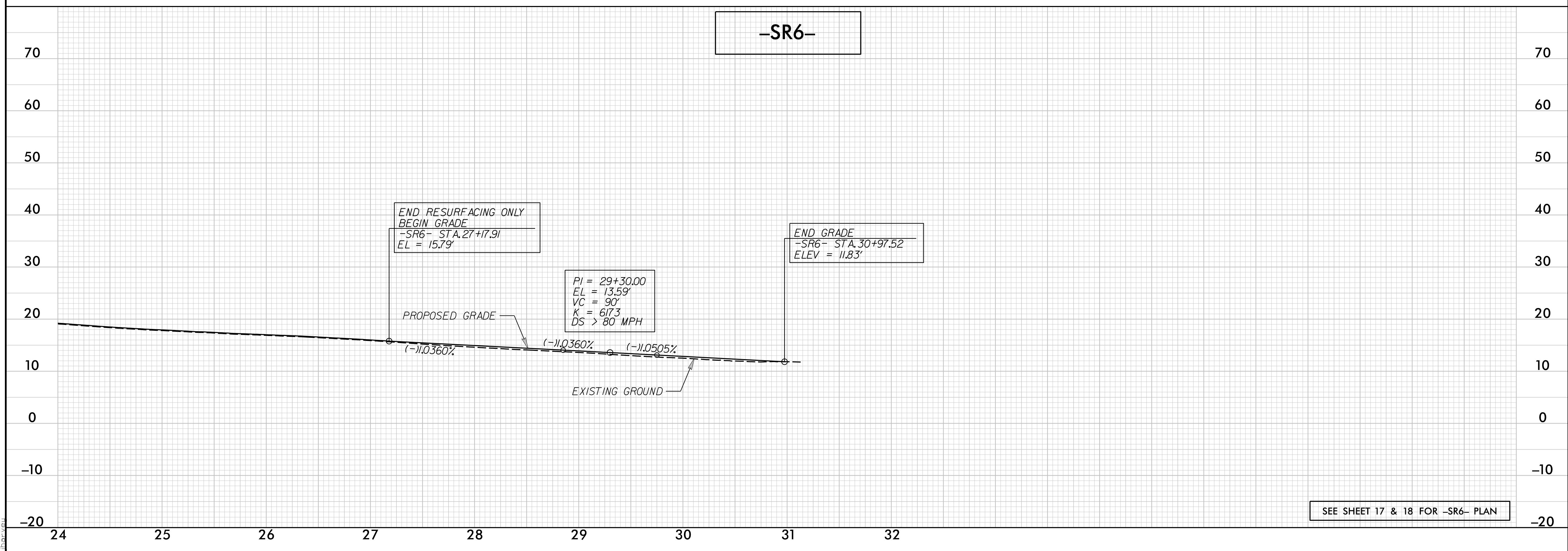
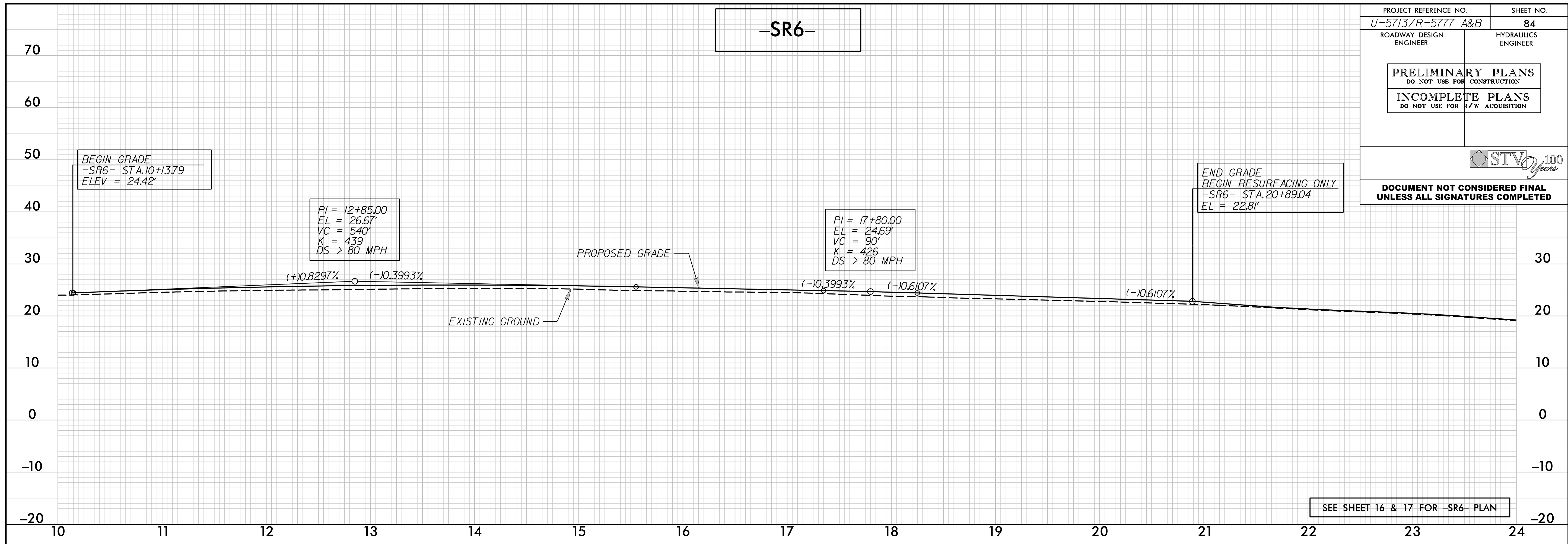
-SR5-

PROJECT REFERENCE NO. U-5713/R-5777 A&B	SHEET NO. 83
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
STV 100 years	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

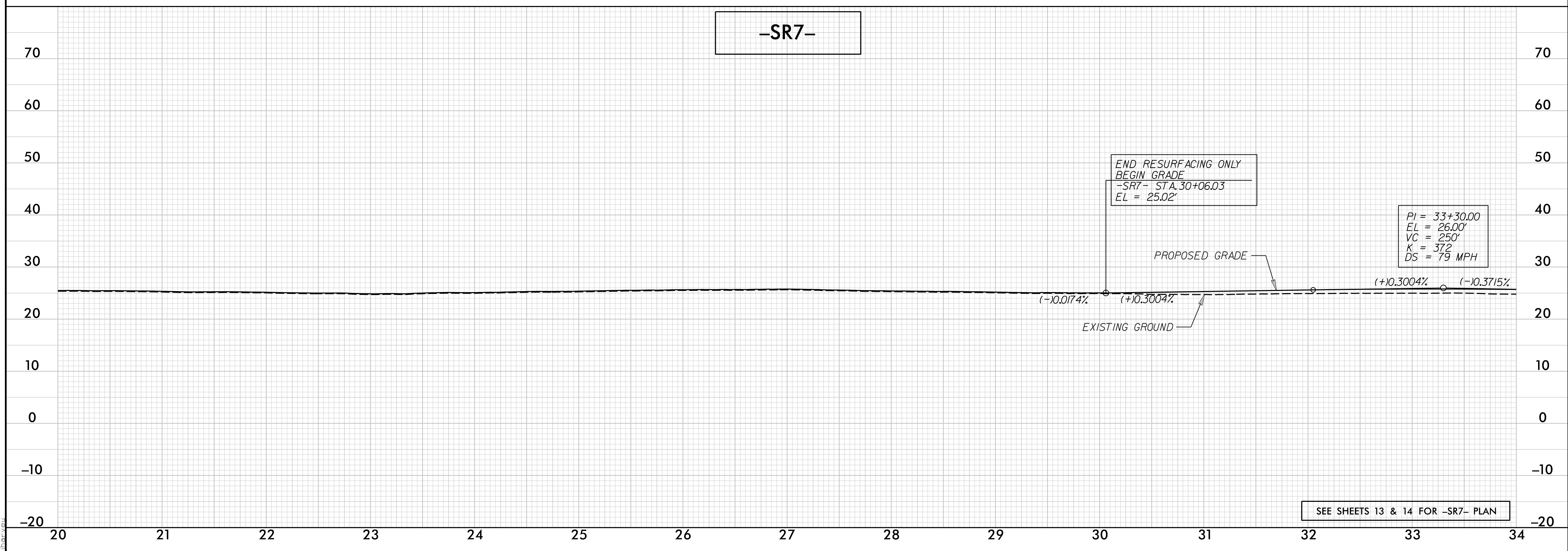
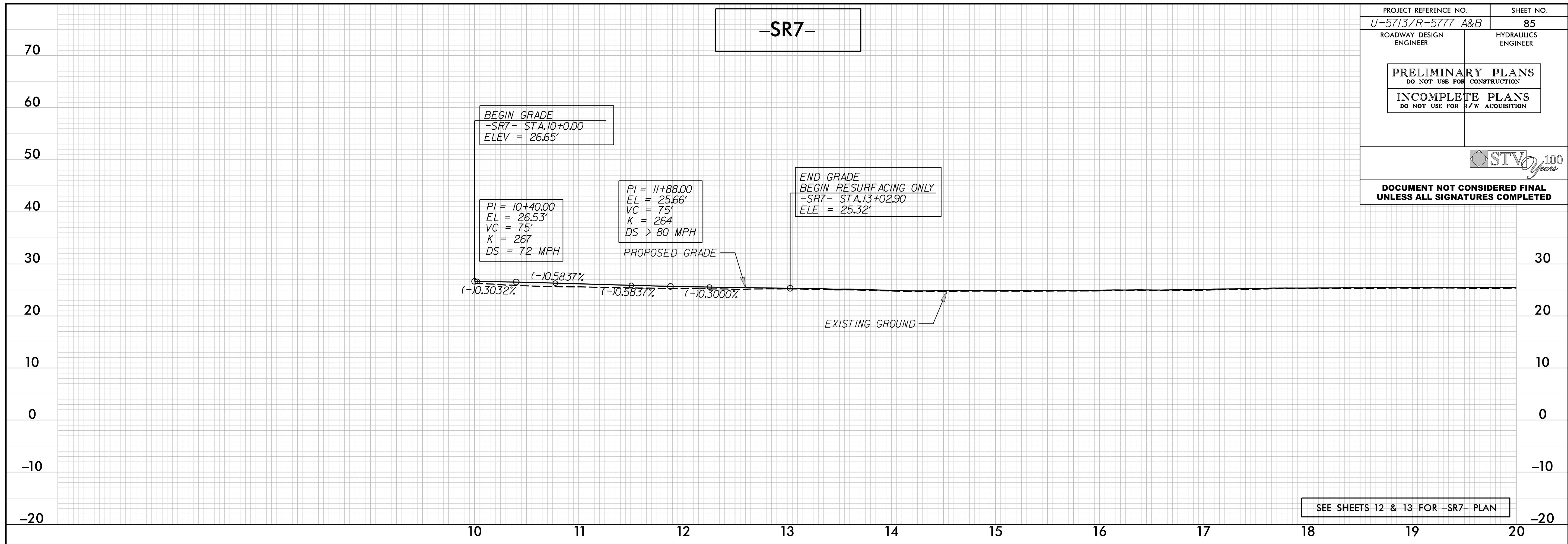


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PROJECT REFERENCE NO. U-5713/R-5777 A&B	SHEET NO. 84
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



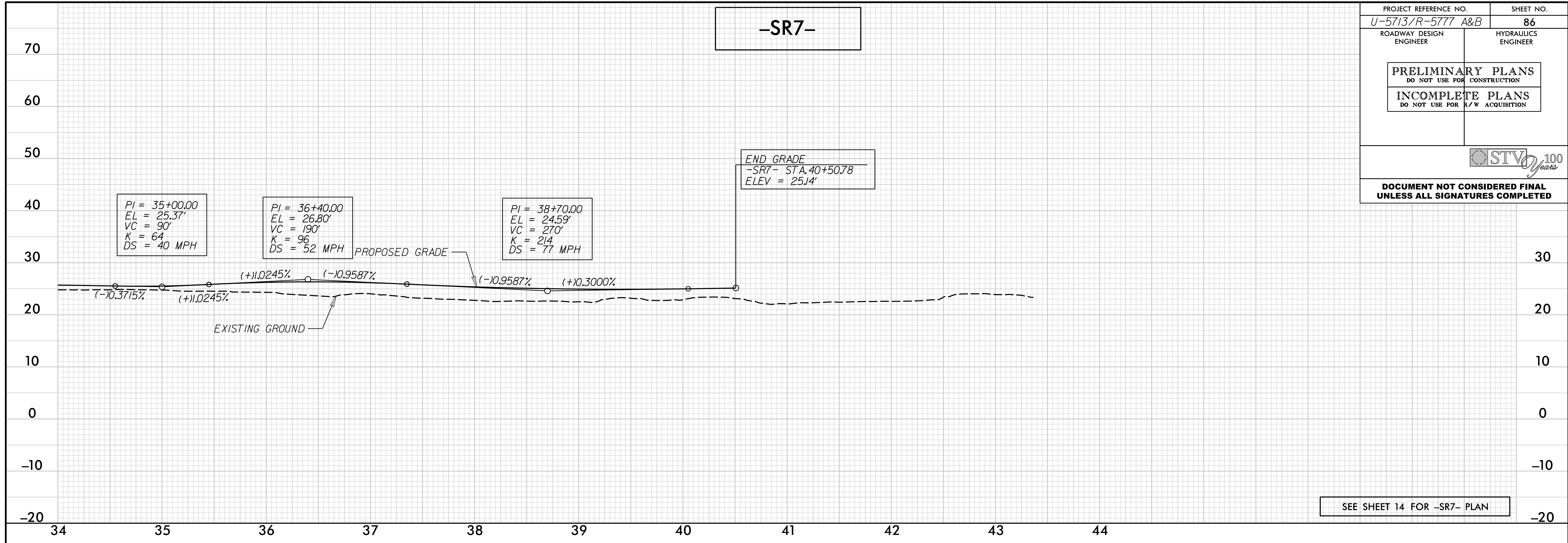
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12/13/2018 10:17:13 AM U-5713-R-5777-Hyd-P&S-85.rvt.dgn
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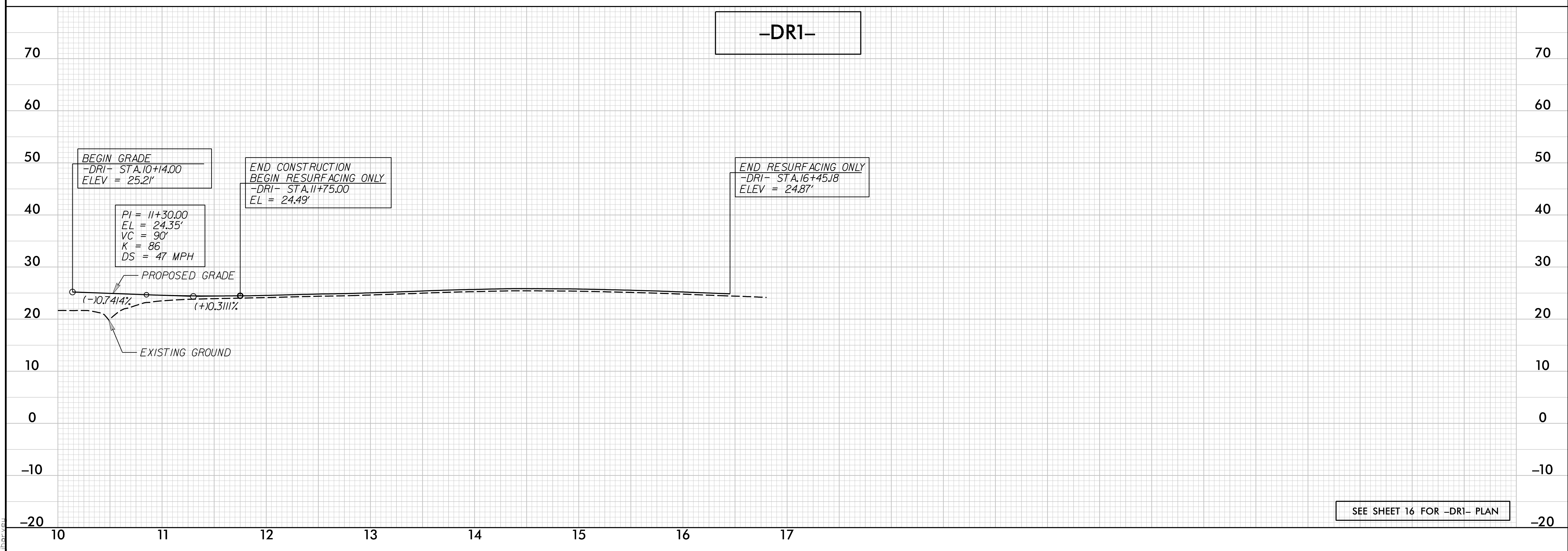
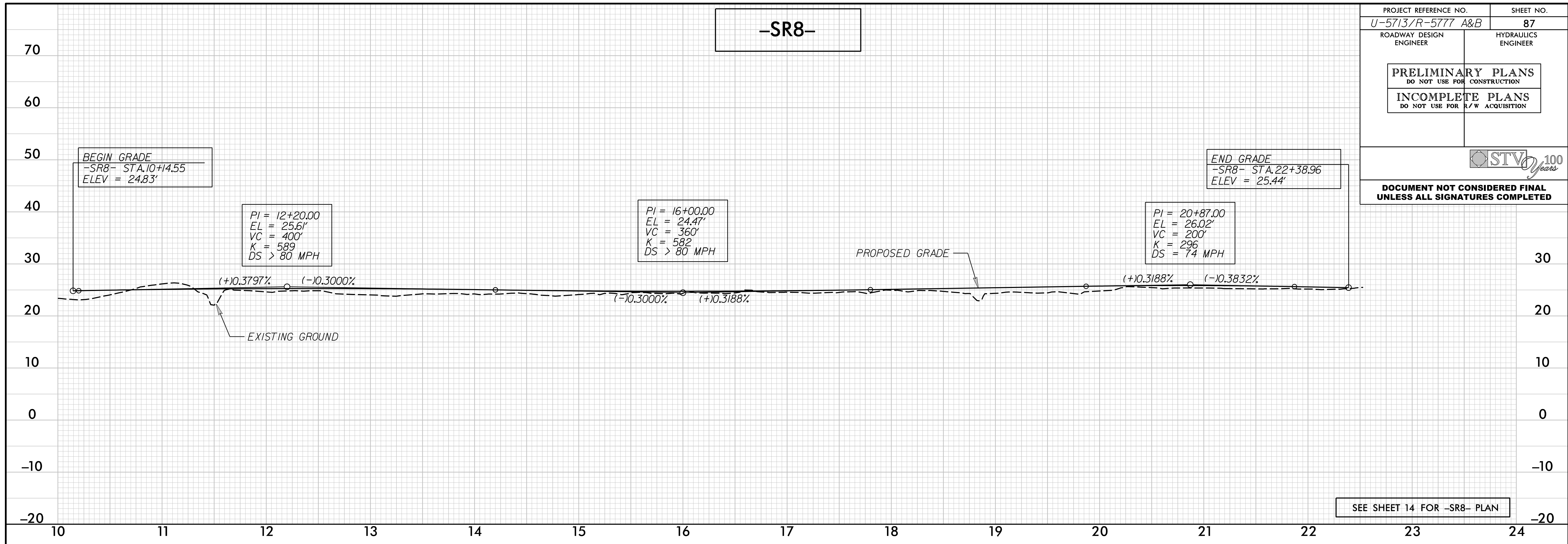
-SR7-

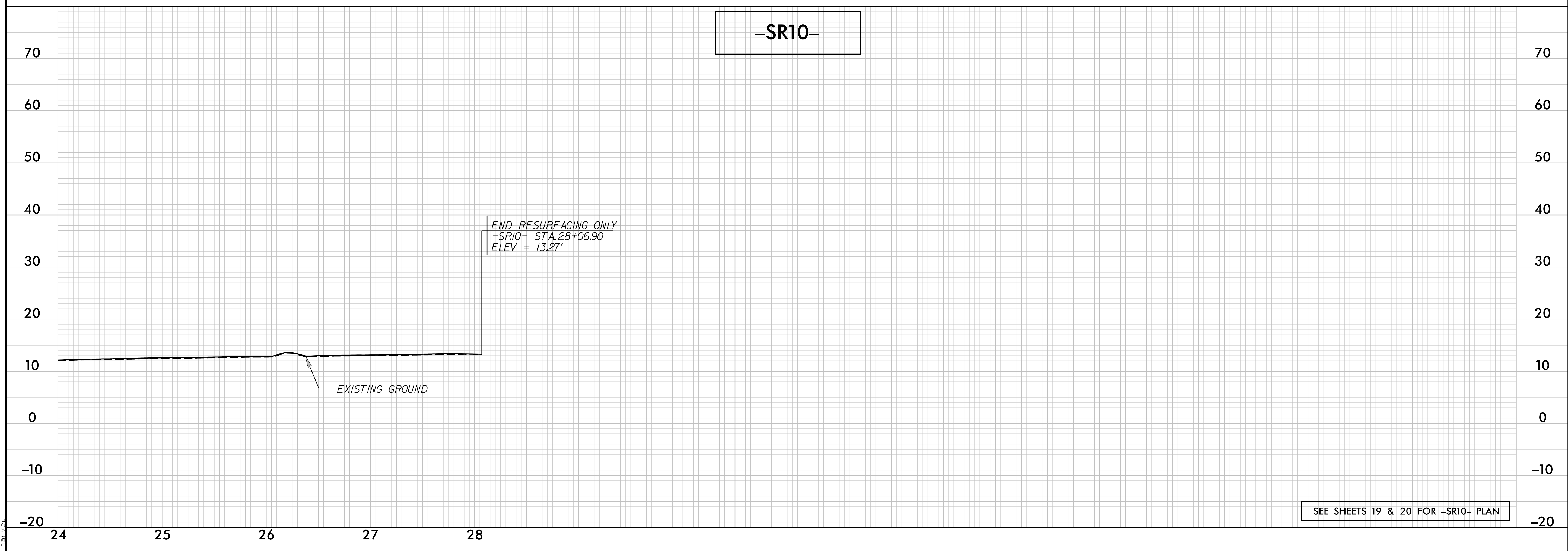
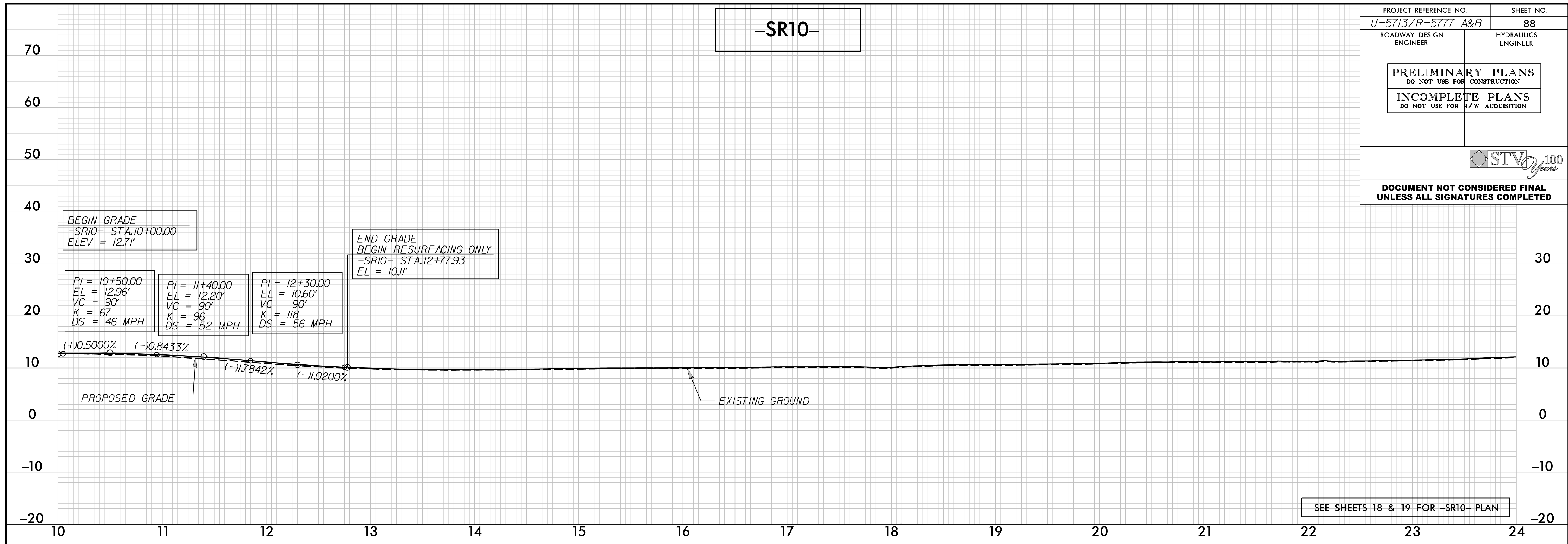
PROJECT REFERENCE NO. U-5713/R-5777 A&B	SHEET NO. 86
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PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
STV 100 years	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

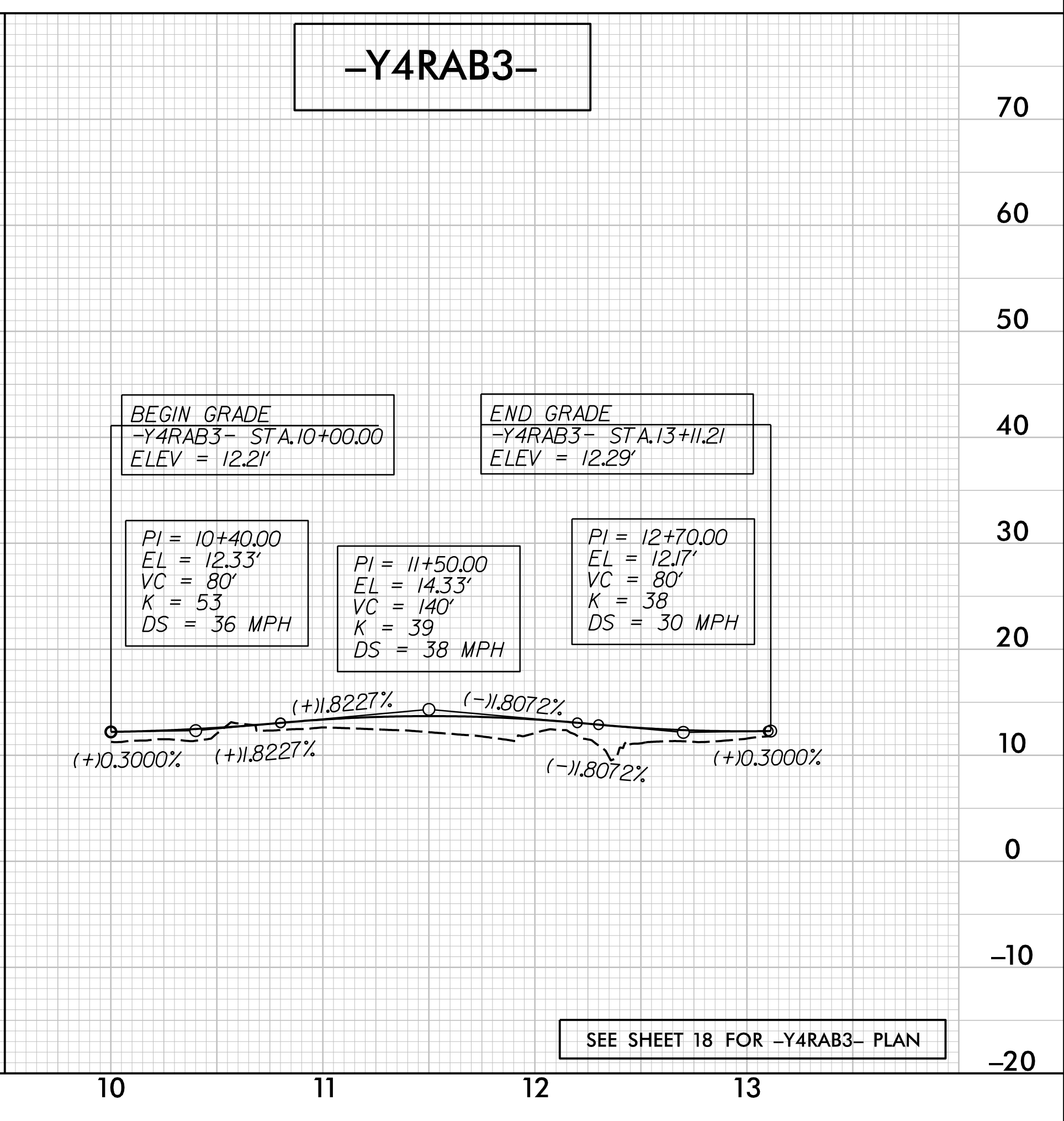
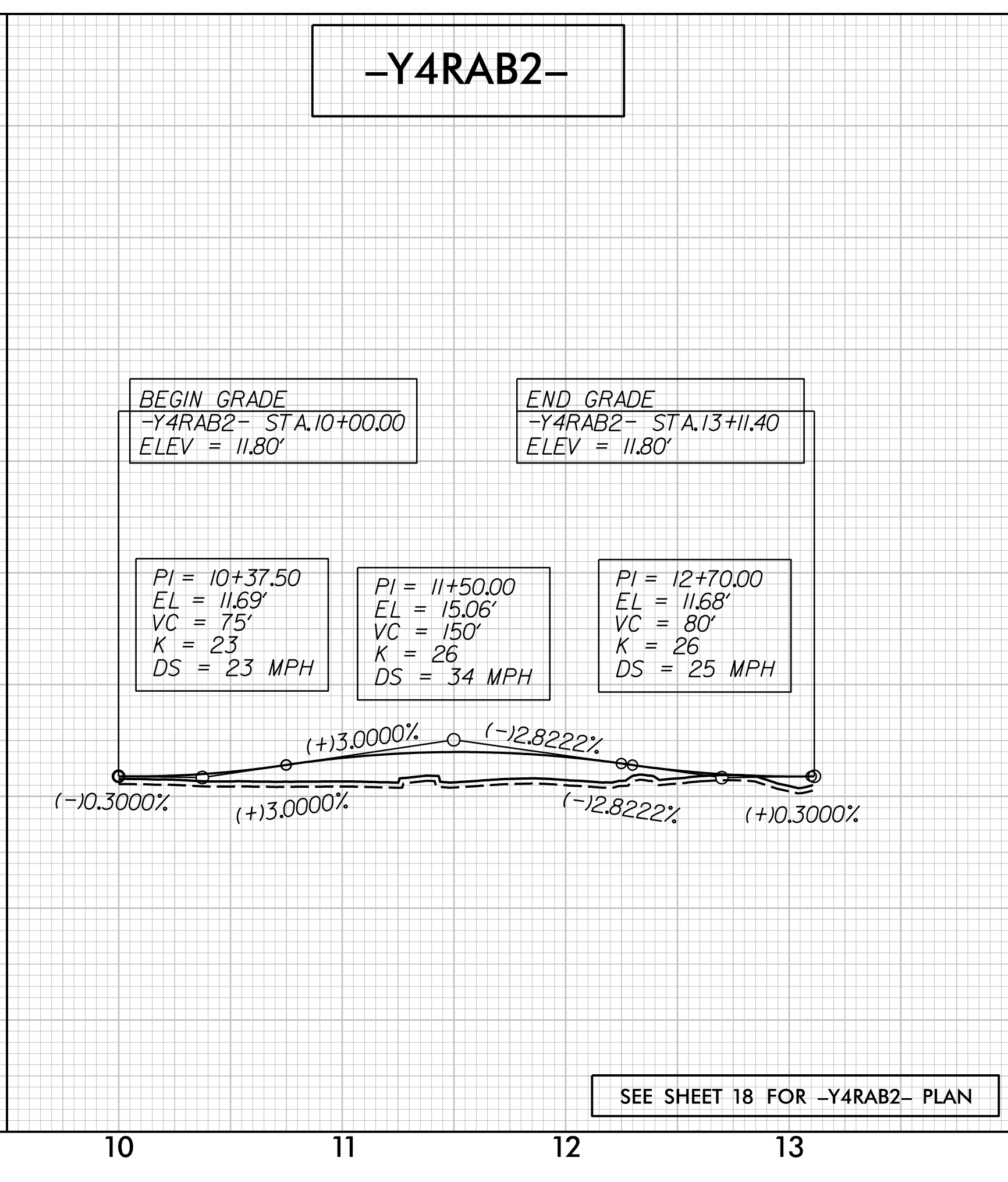
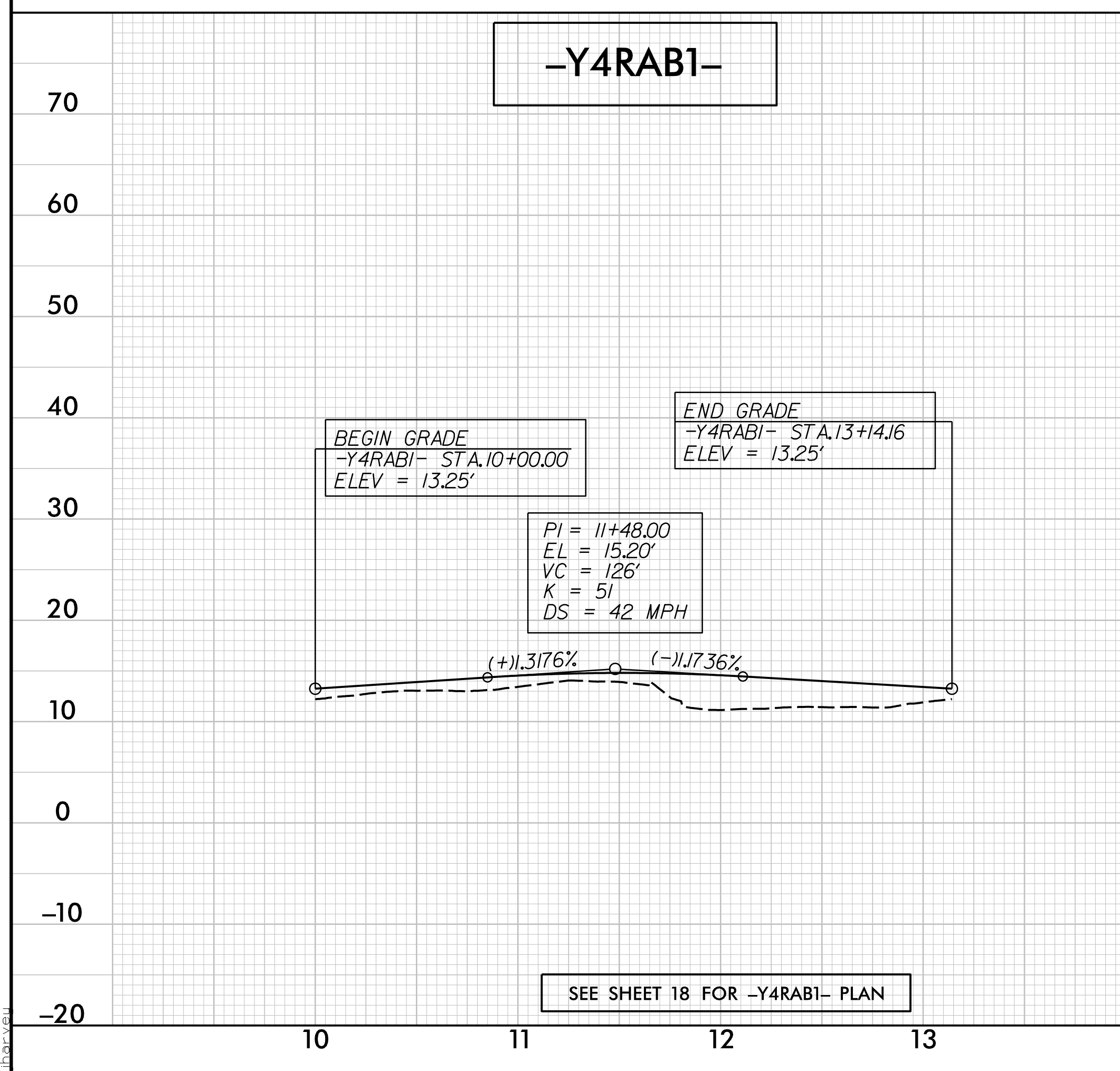
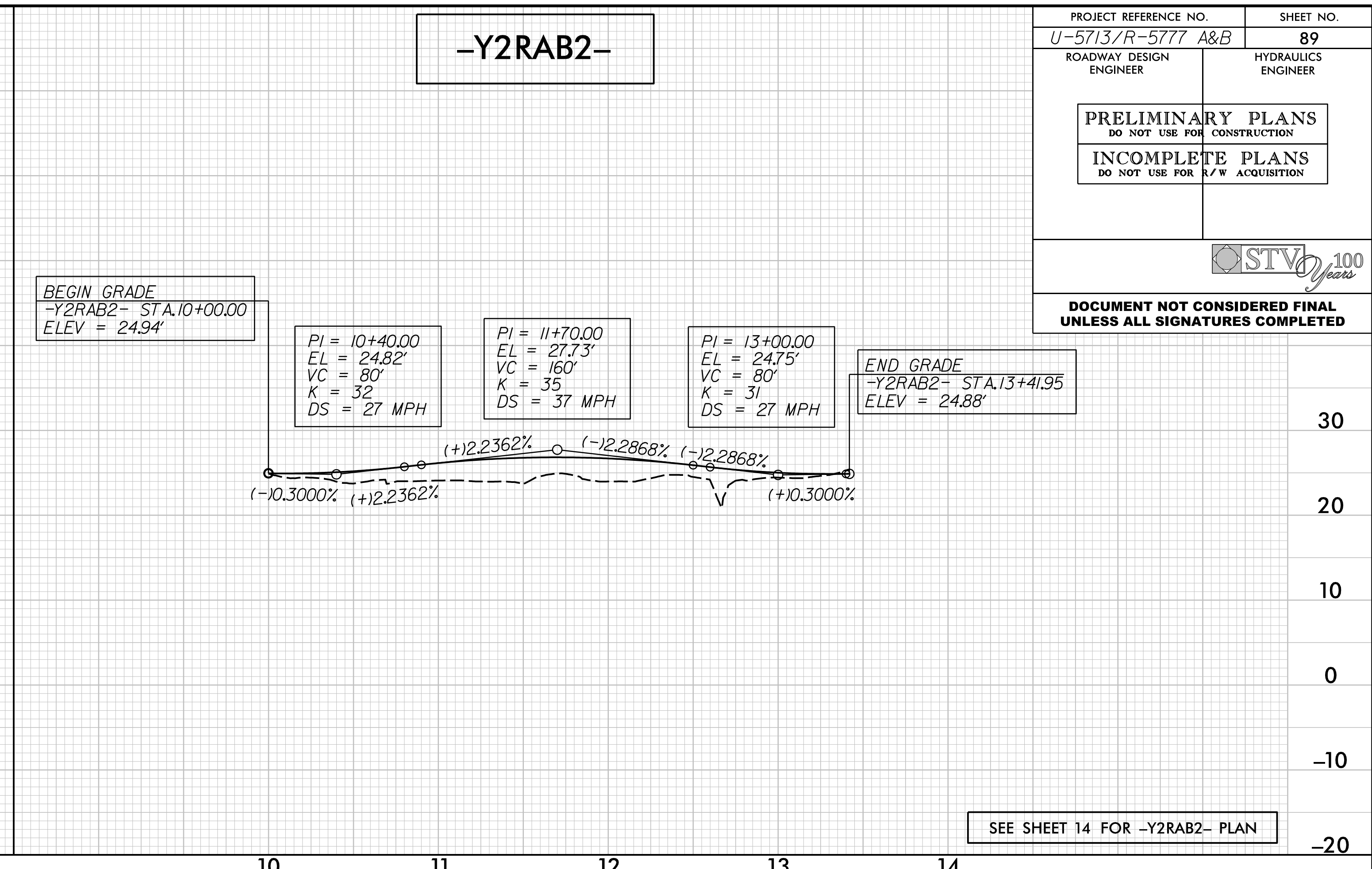
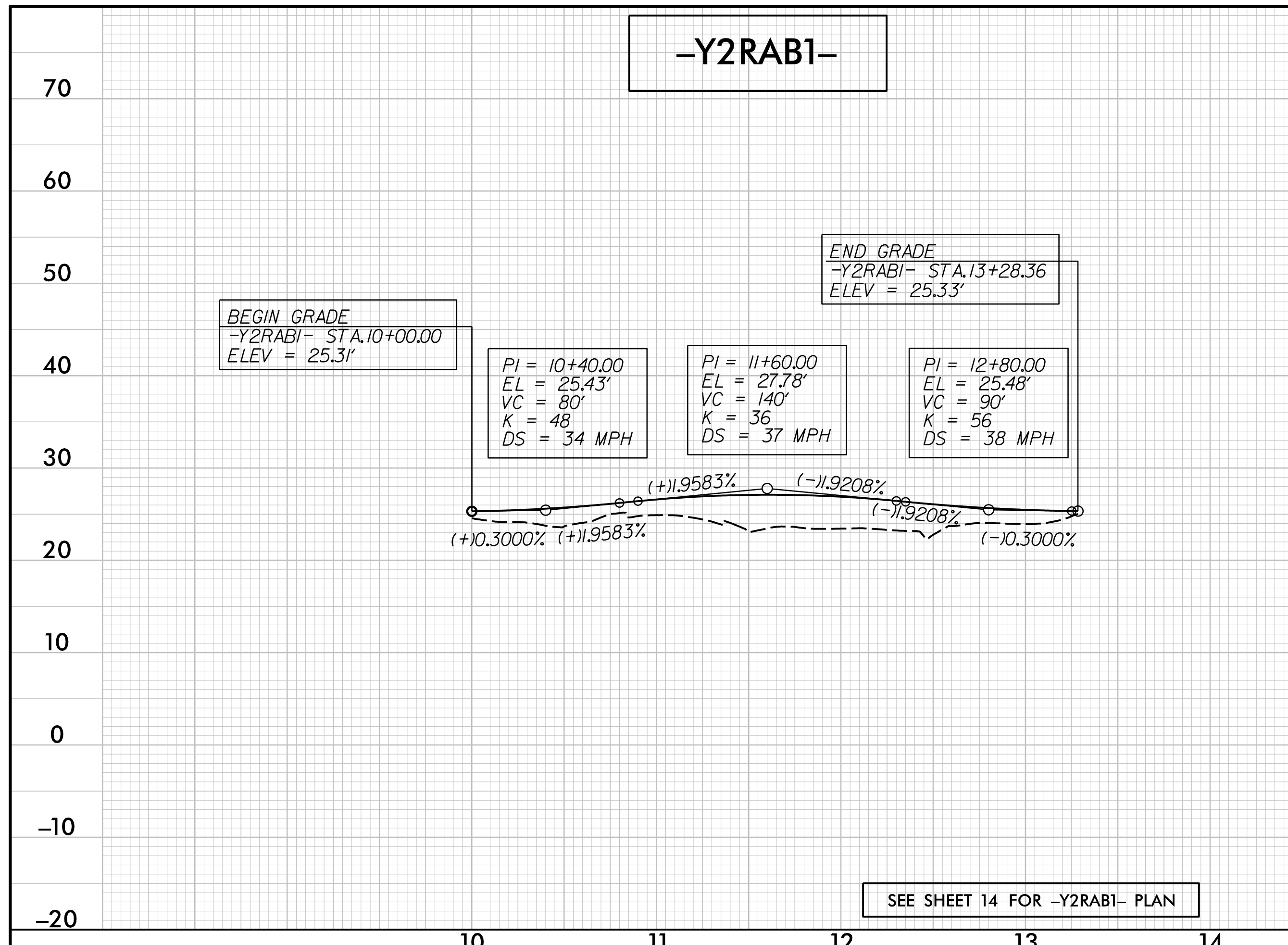


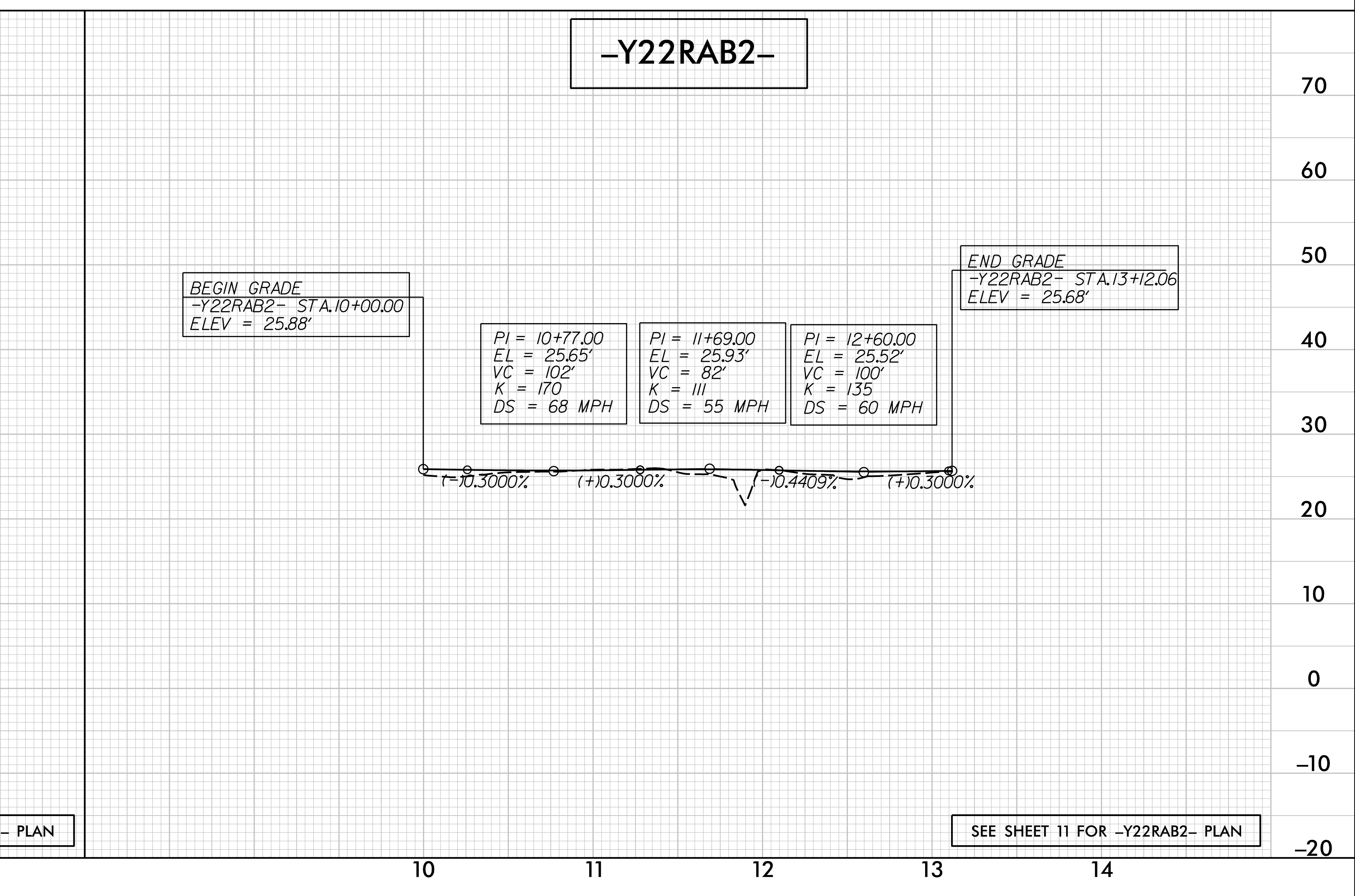
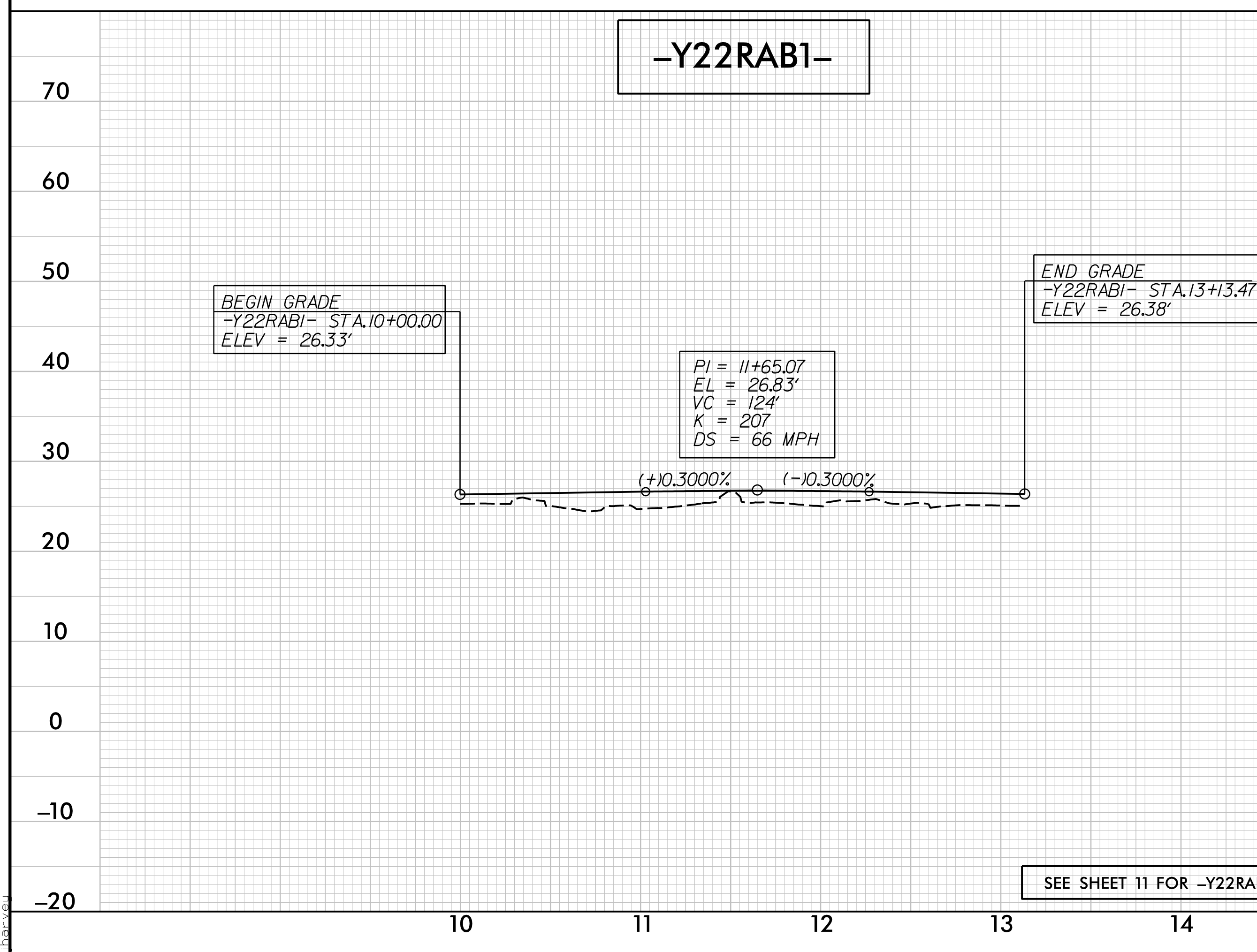
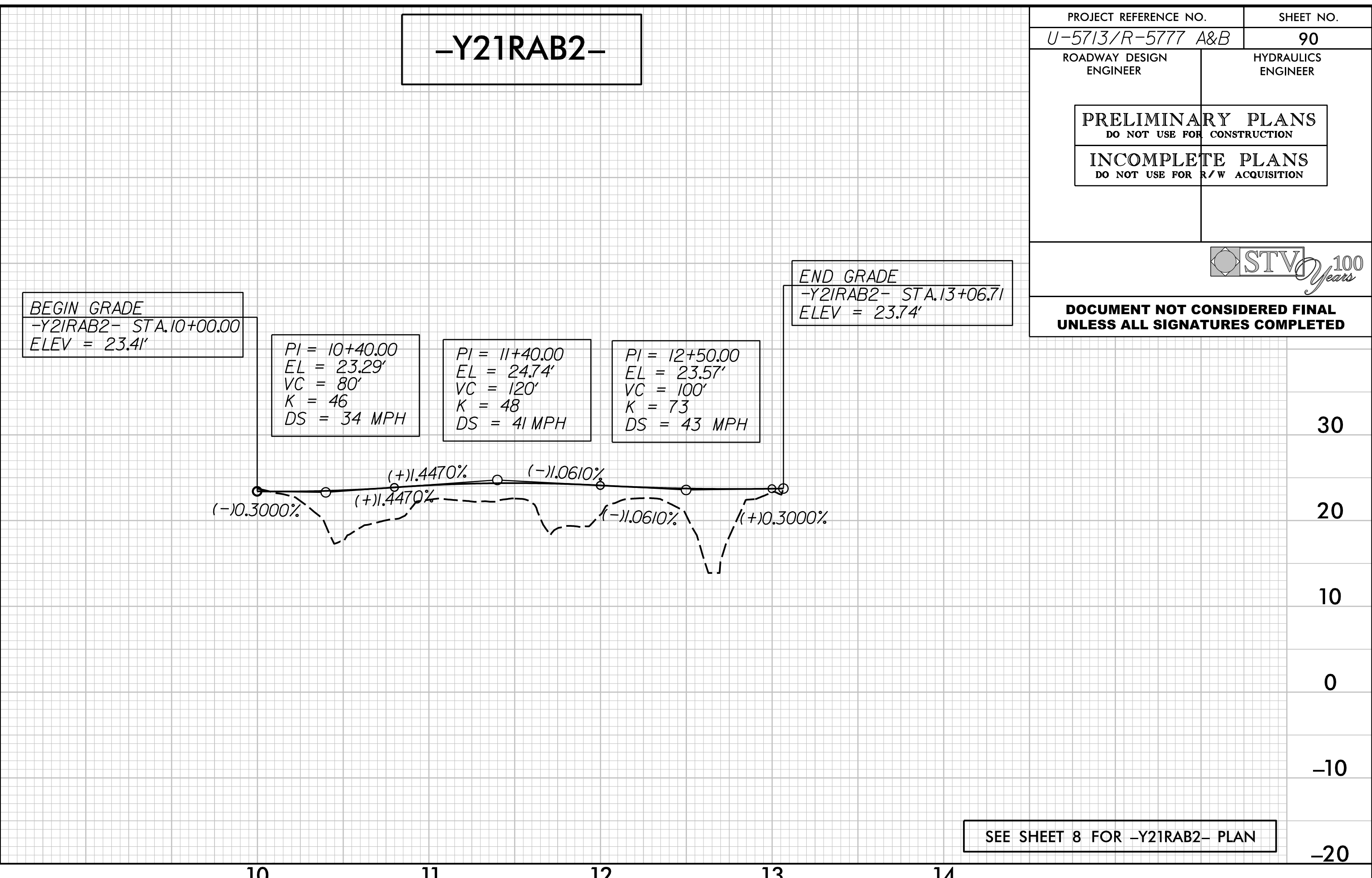
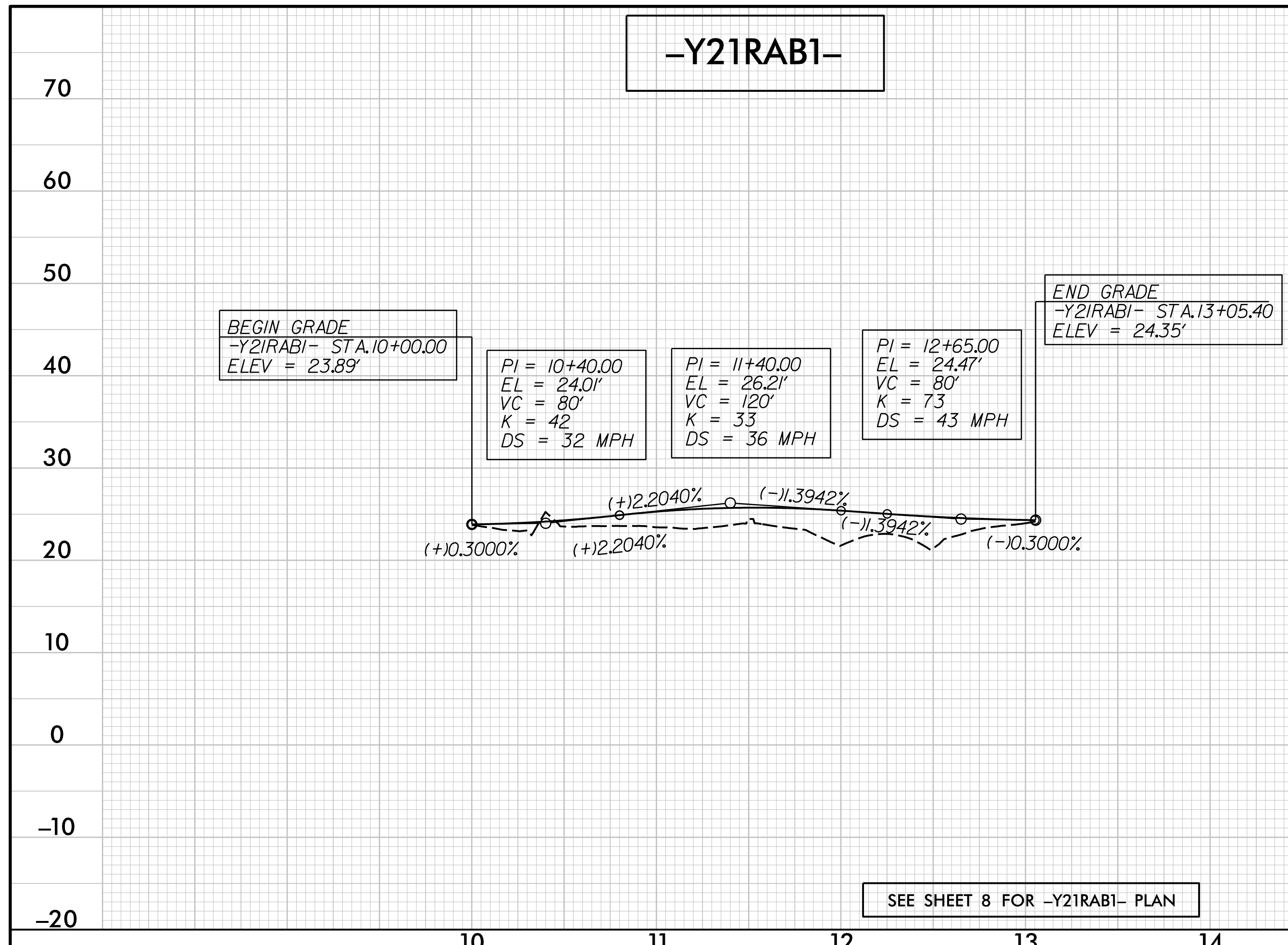
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