

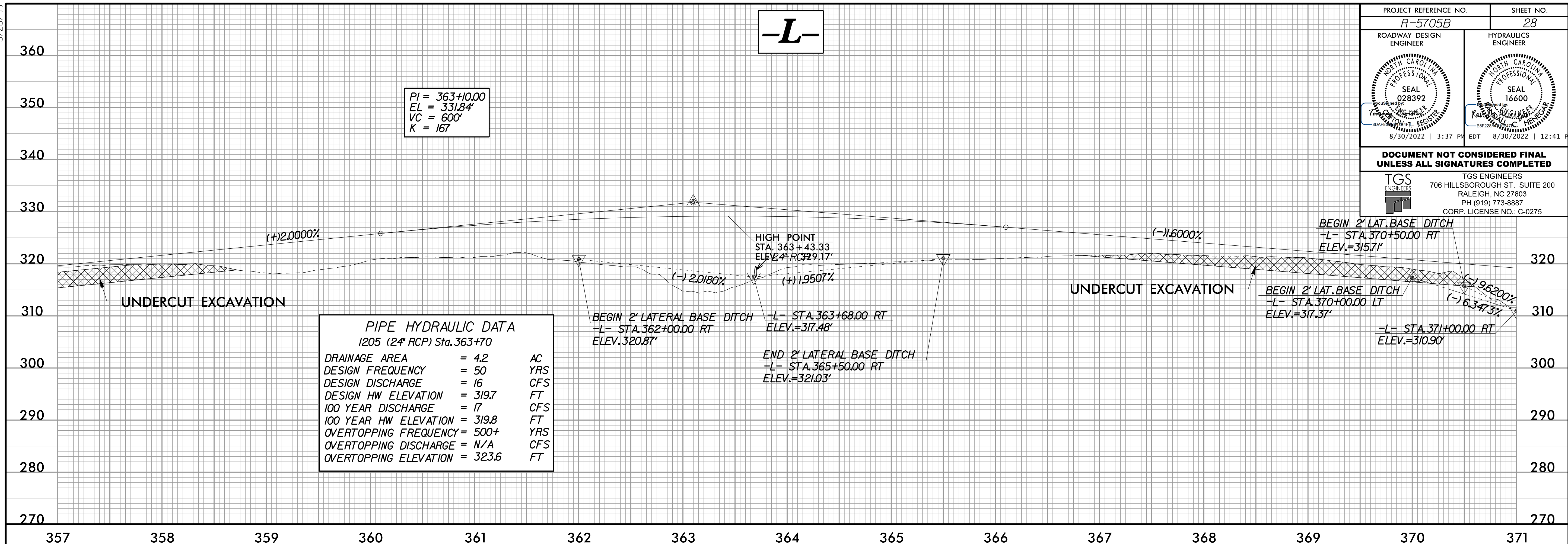
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5/28/22

PROJECT REFERENCE NO. <b>R-5705B</b>	SHEET NO. <b>28</b>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
8/30/2022   3:37 PM EDT   8/30/2022   12:41 PM PDT	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	
<b>TGS ENGINEERS</b> 706 HILLSBOROUGH ST., SUITE 200 RALEIGH, NC 27603 PH (919) 773-8887 CORP. LICENSE NO.: C-0275	



PI = 363+10.00  
 EL = 331.84'  
 VC = 600'  
 K = 167

PIPE HYDRAULIC DATA		
1205 (24" RCP) Sta. 363+70		
DRAINAGE AREA	= 42	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 16	CFS
DESIGN HW ELEVATION	= 319.7	FT
100 YEAR DISCHARGE	= 17	CFS
100 YEAR HW ELEVATION	= 319.8	FT
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING DISCHARGE	= N/A	CFS
OVERTOPPING ELEVATION	= 323.6	FT

PIPE HYDRAULIC DATA		
1309 (48" RCP) Sta. 372+20		
DRAINAGE AREA	= 29	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 65	CFS
DESIGN HW ELEVATION	= 309.4	FT
100 YEAR DISCHARGE	= 75	CFS
100 YEAR HW ELEVATION	= 310.0	FT
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING DISCHARGE	= N/A	CFS
OVERTOPPING ELEVATION	= 316.3	FT

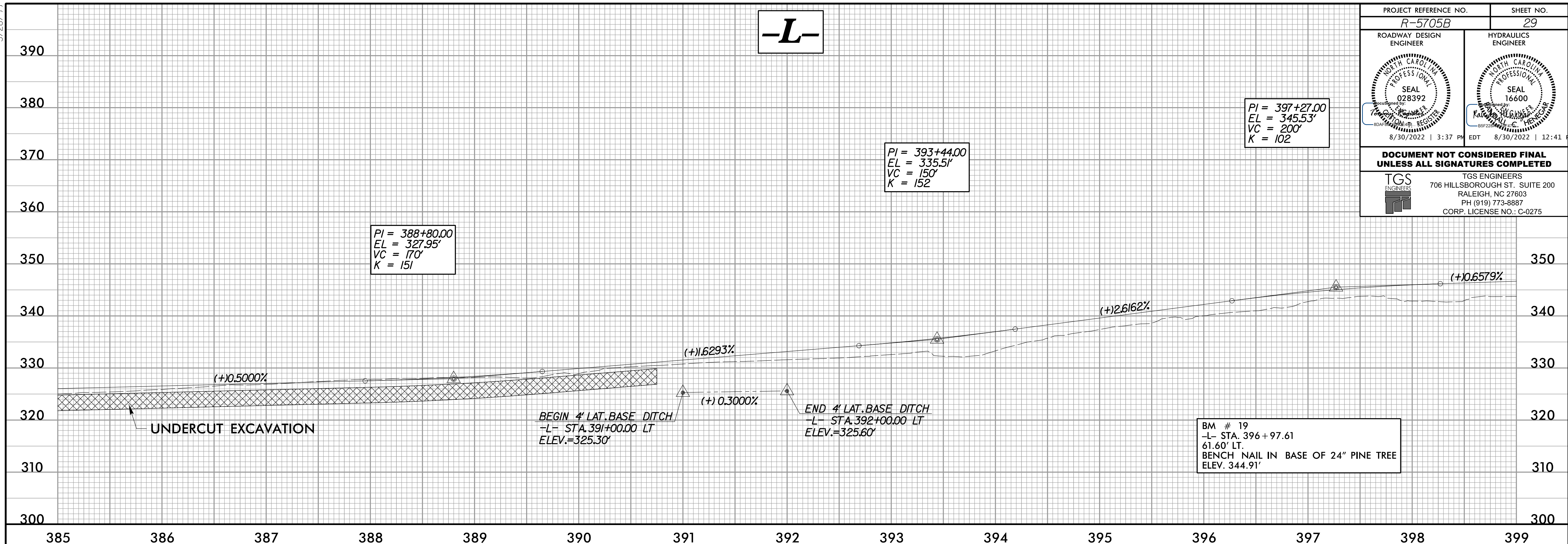
PIPE HYDRAULIC DATA		
1311 (60" RCP) Sta. 376+66		
DRAINAGE AREA	= 107	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 110	CFS
DESIGN HW ELEVATION	= 307.0	FT
100 YEAR DISCHARGE	= 125	CFS
100 YEAR HW ELEVATION	= 307.3	FT
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING DISCHARGE	= N/A	CFS
OVERTOPPING ELEVATION	= 314.1	FT

BM # 18  
 -L- STA. 377+05.66  
 401.94' RT.  
 BENCH NAIL IN BASE OF 12" PINE TREE  
 ELEV. 318.59'

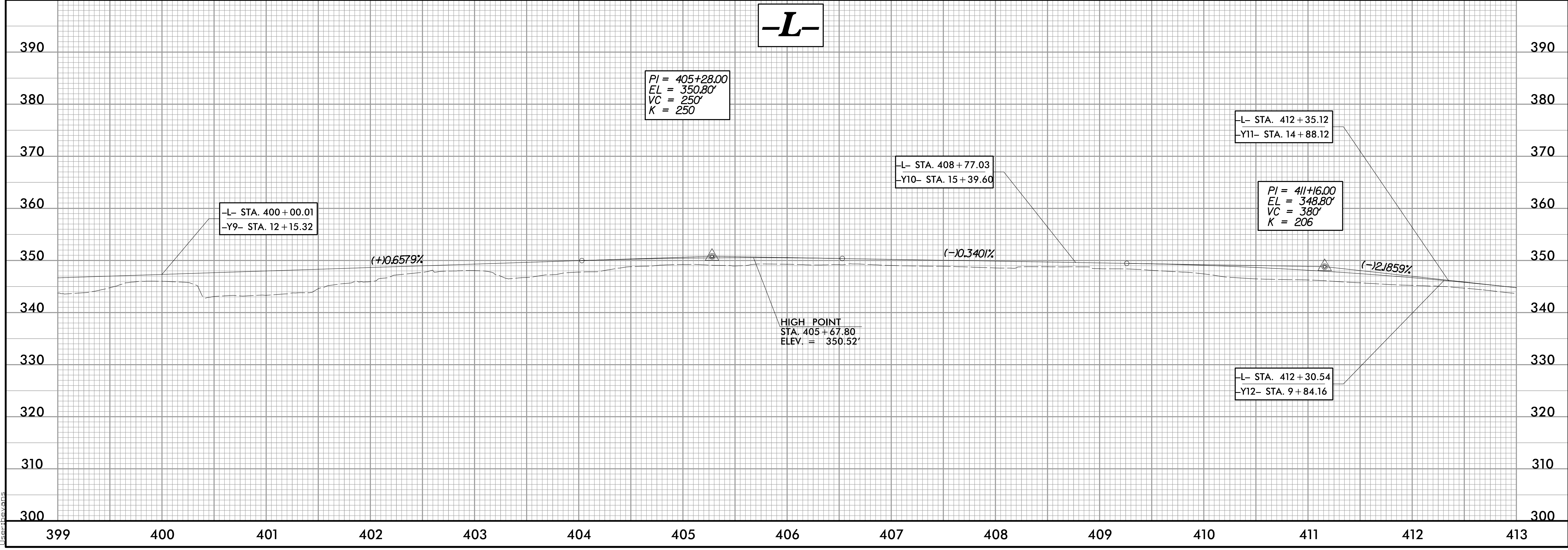
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PROJECT REFERENCE NO. <b>R-5705B</b>	SHEET NO. <b>29</b>
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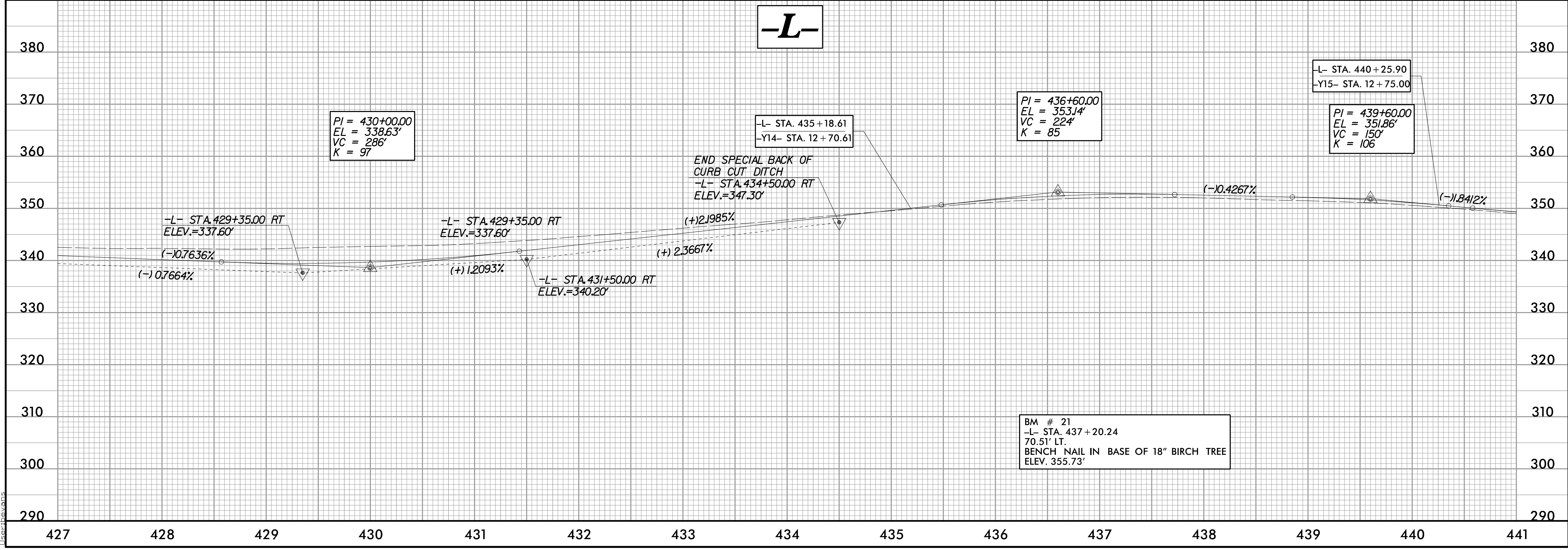
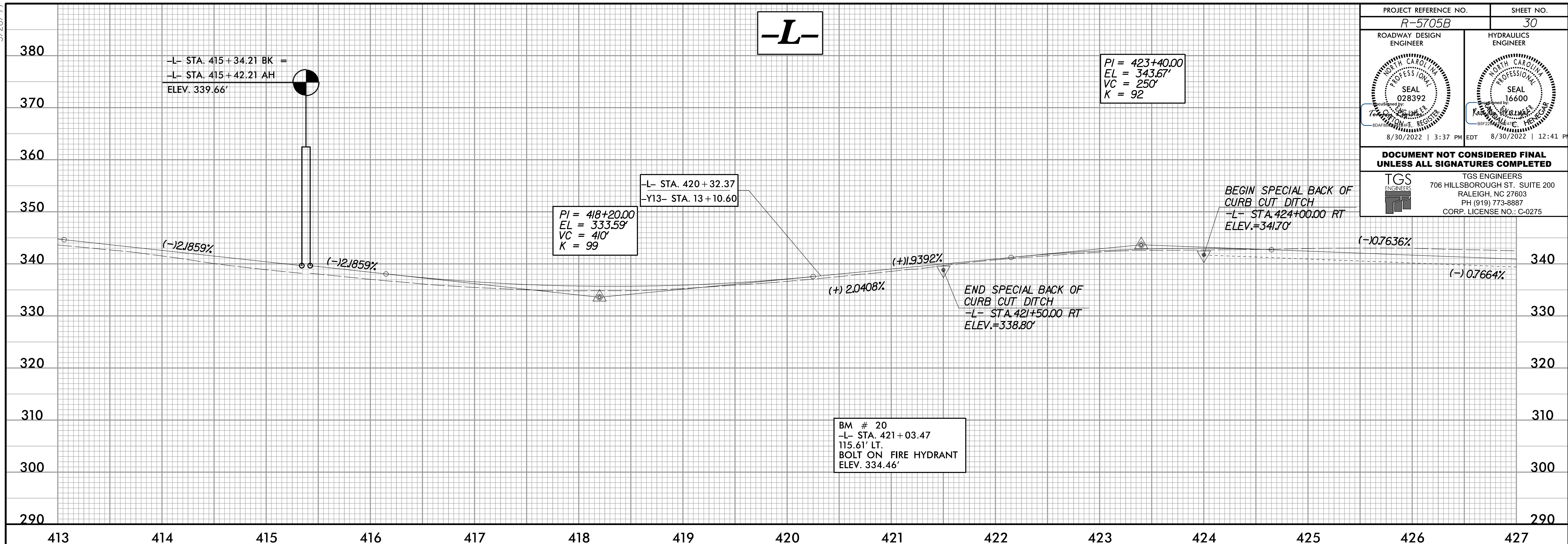


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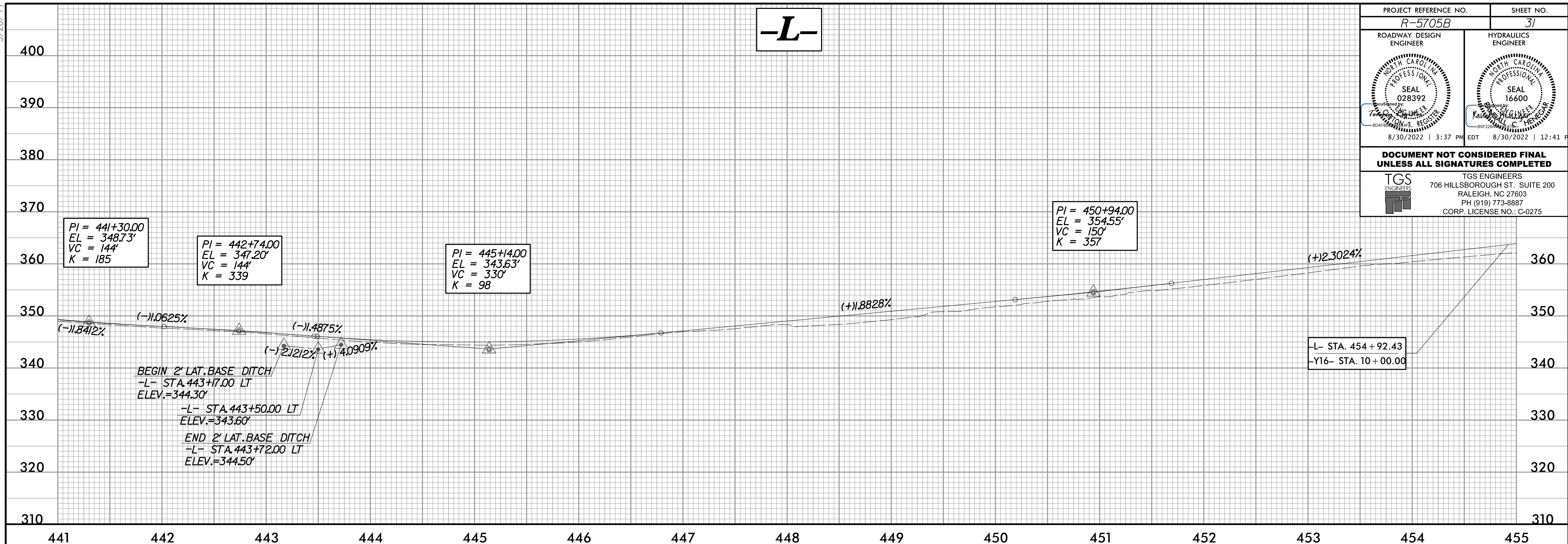
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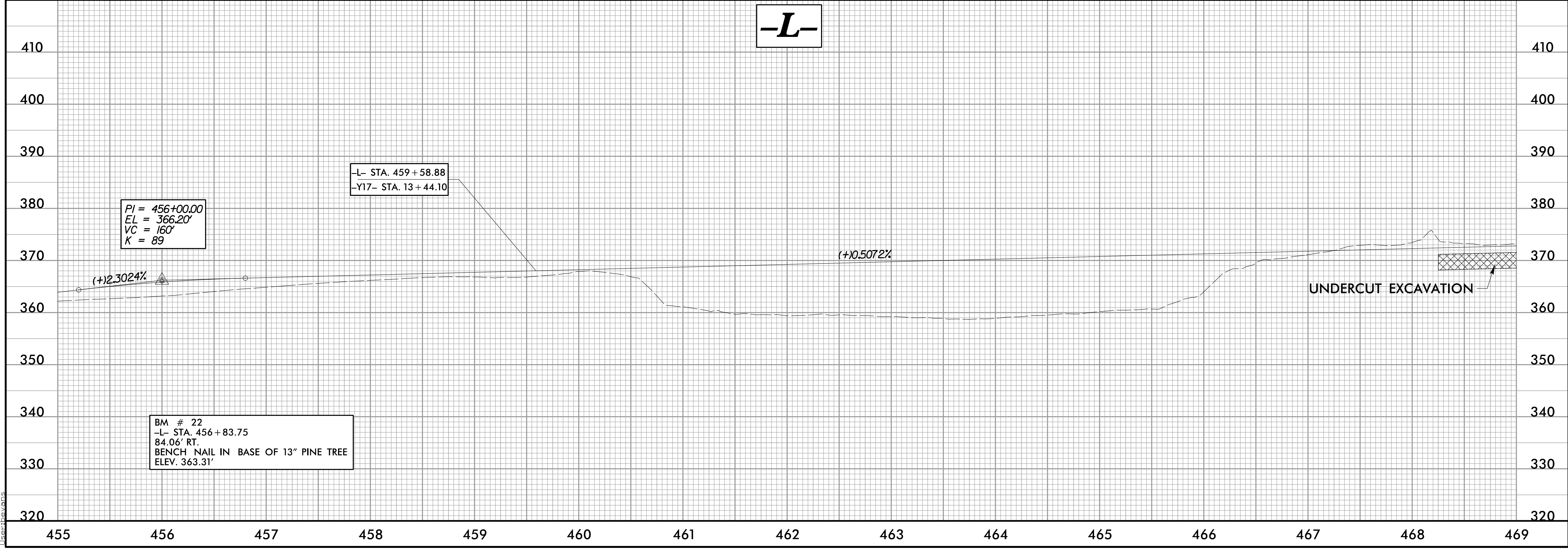
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PROJECT REFERENCE NO. <b>R-5705B</b>	SHEET NO. <b>31</b>
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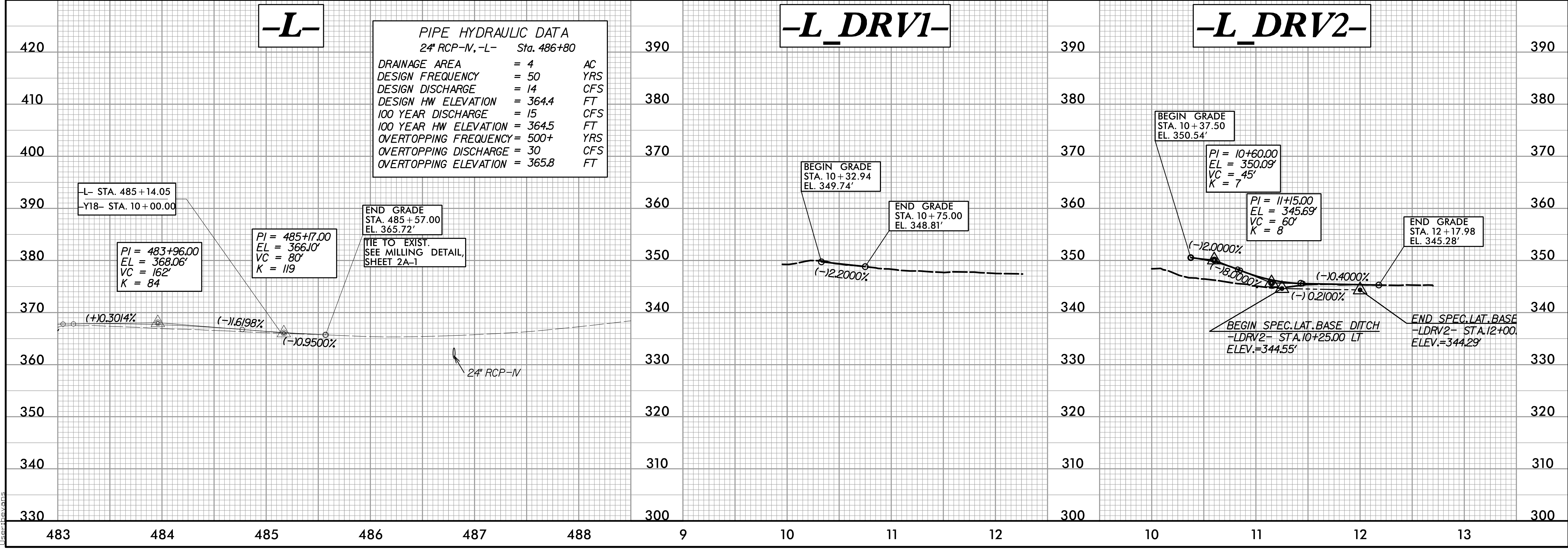
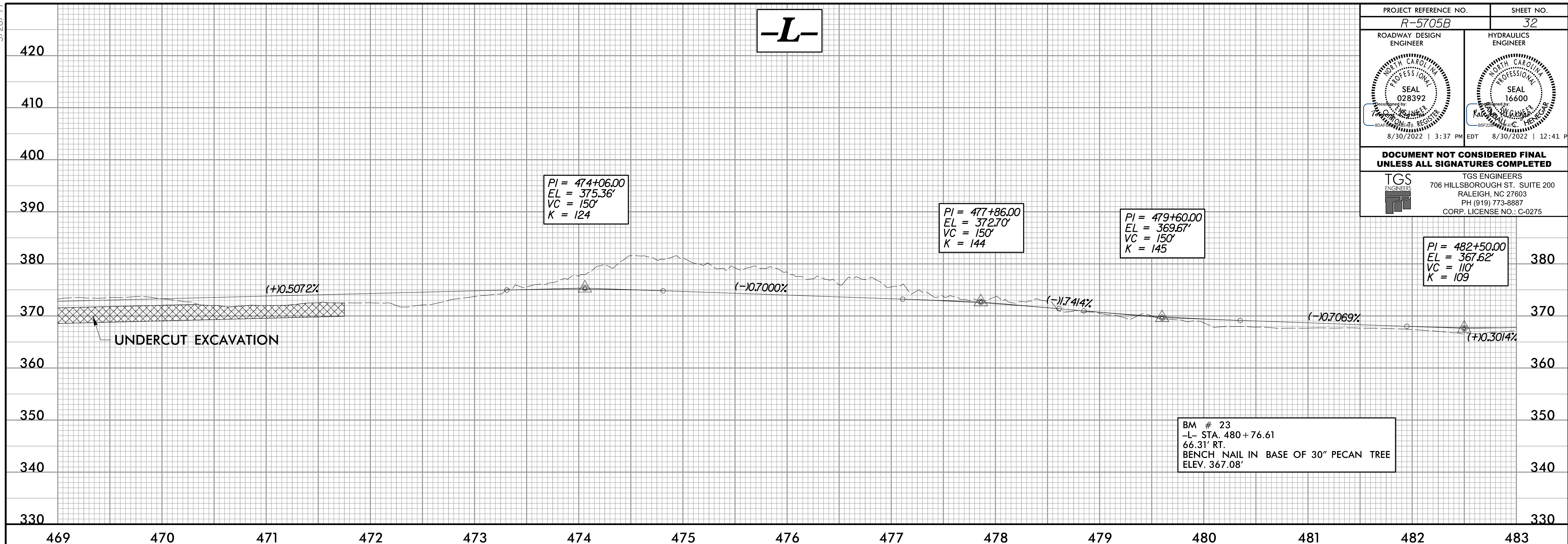


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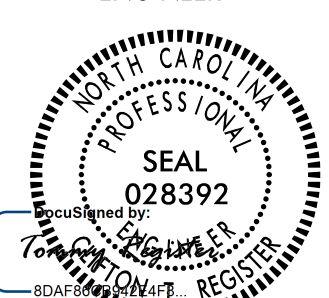

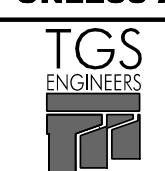
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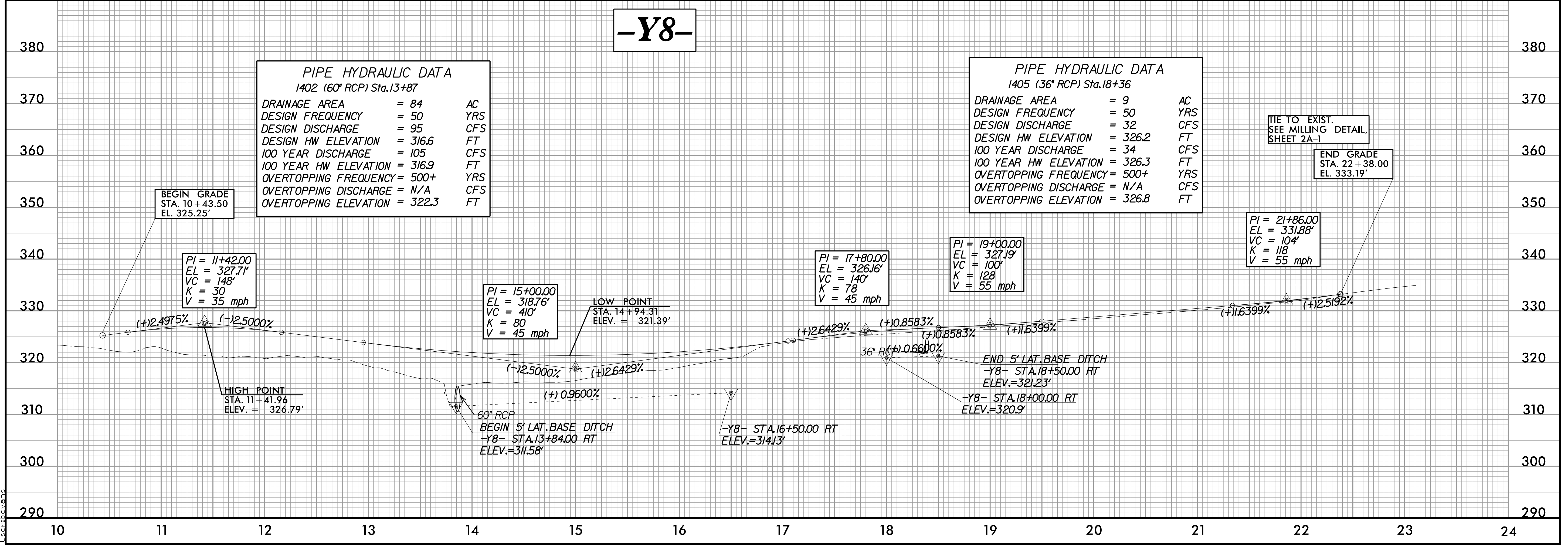
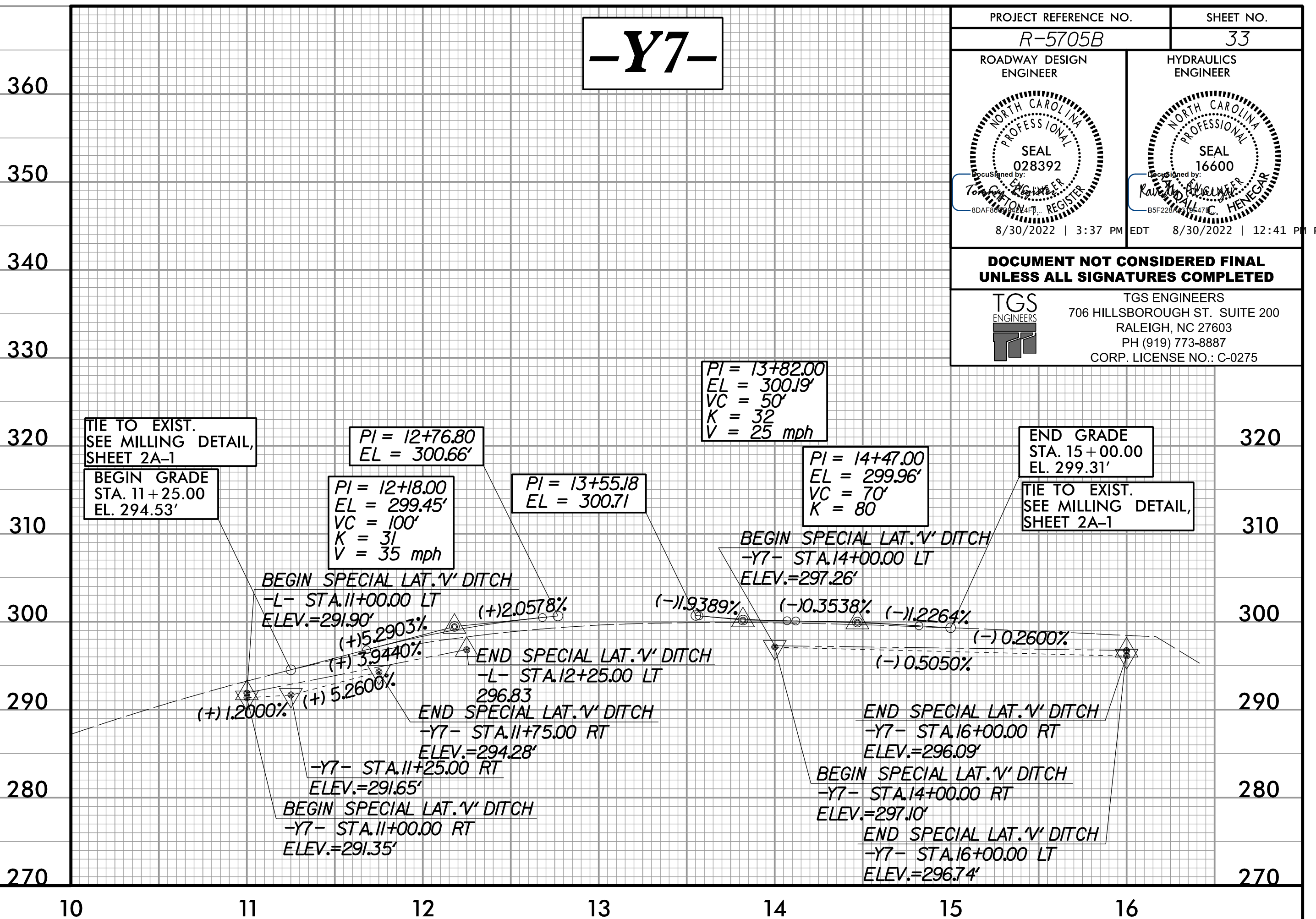
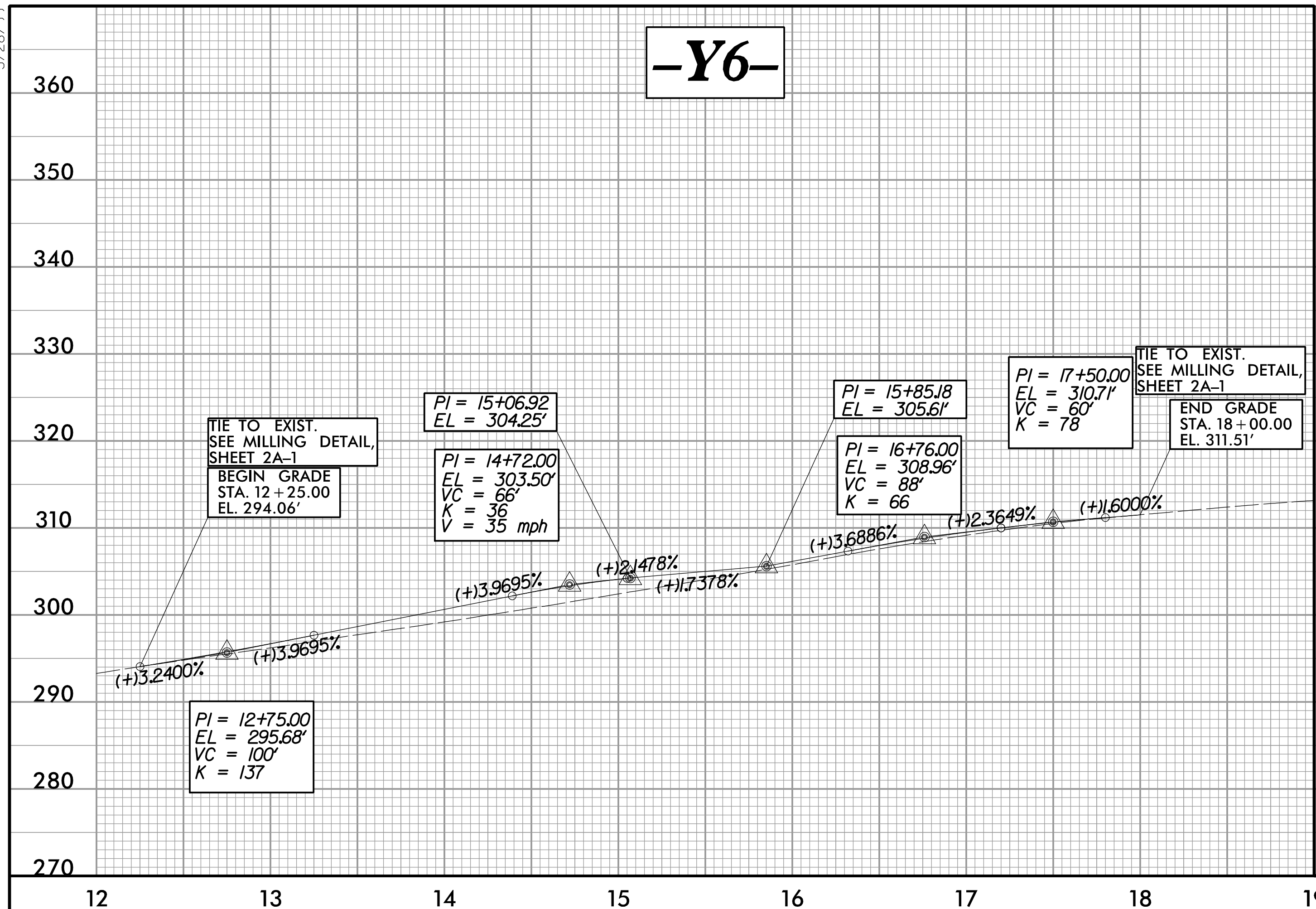
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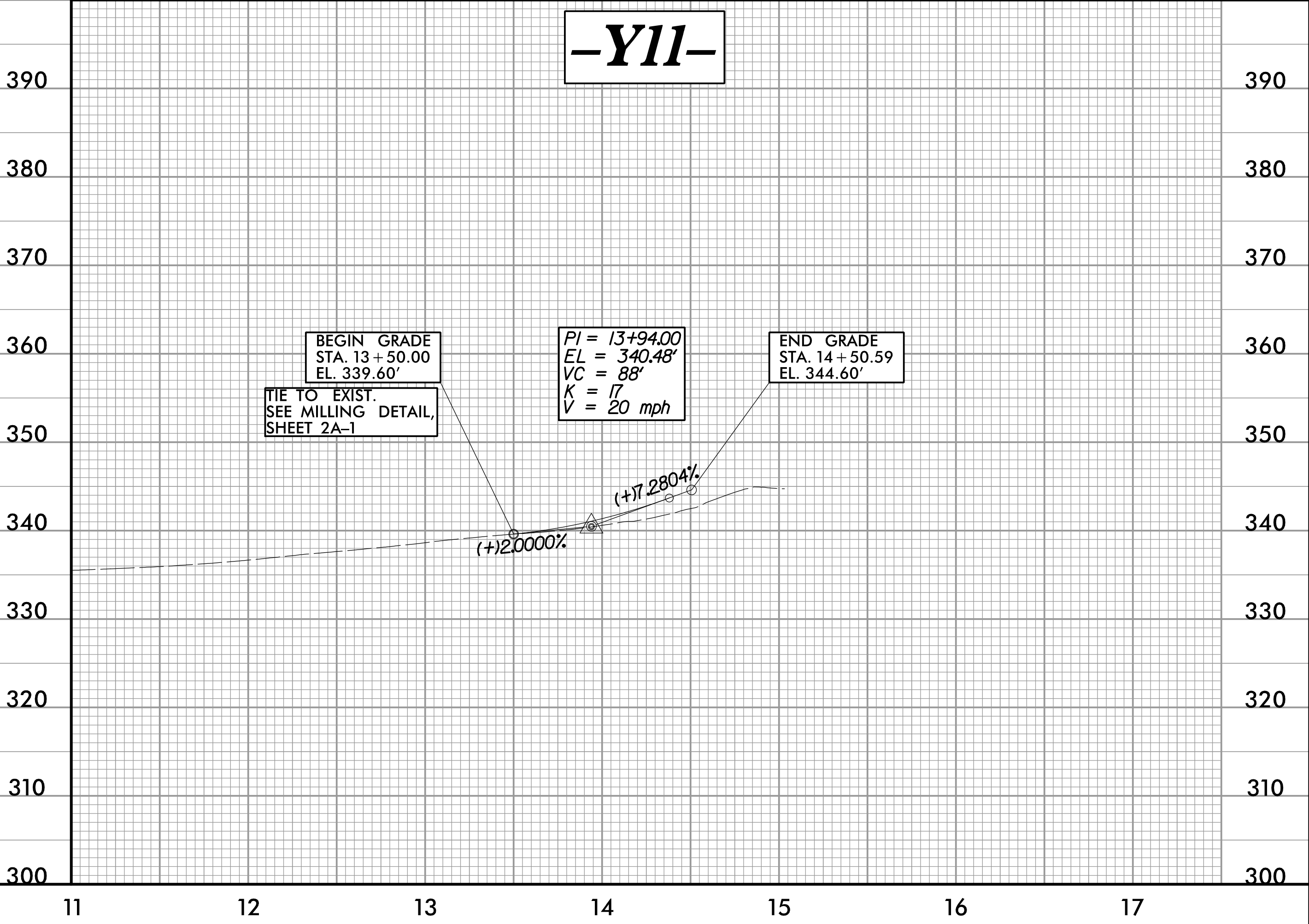
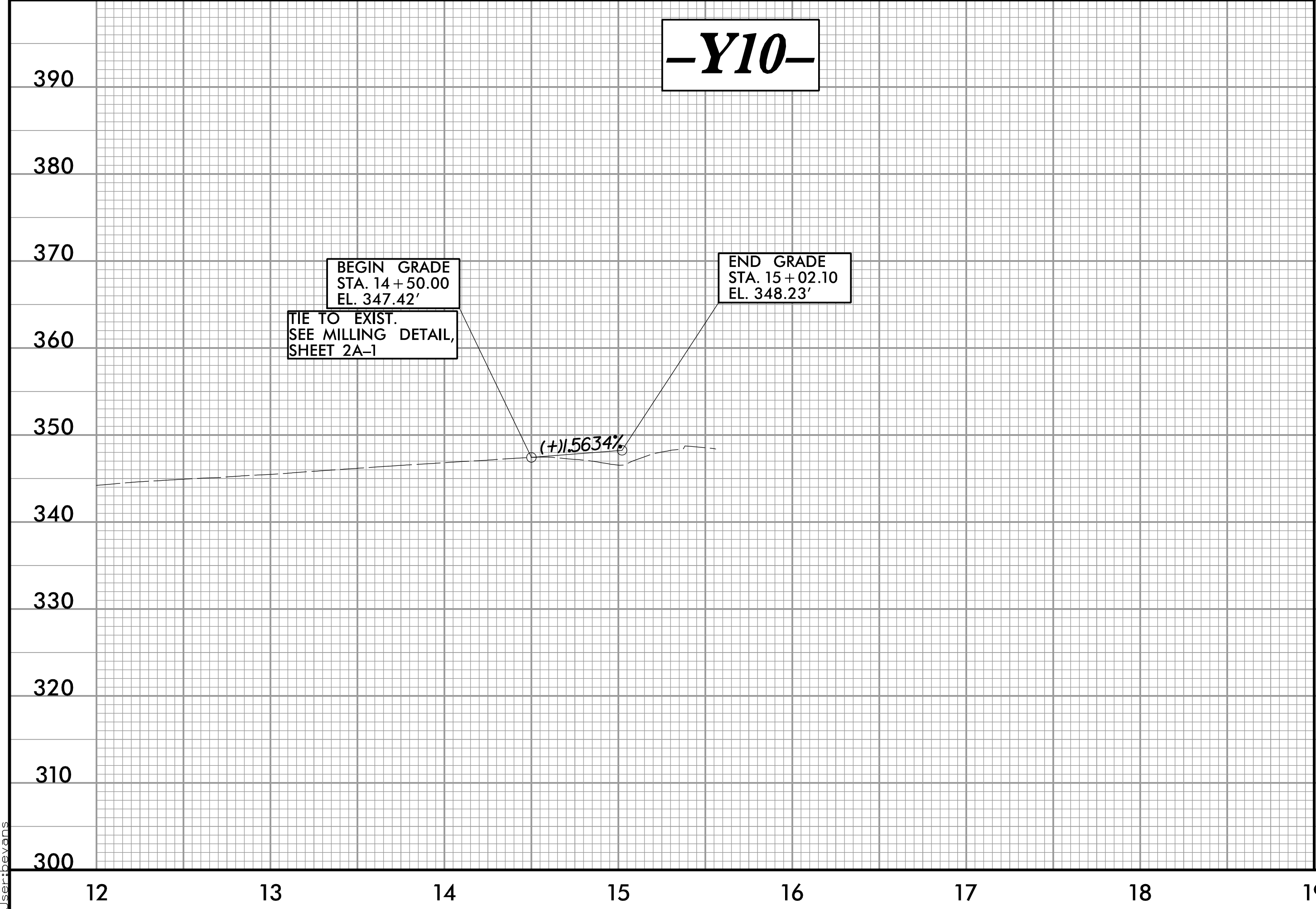
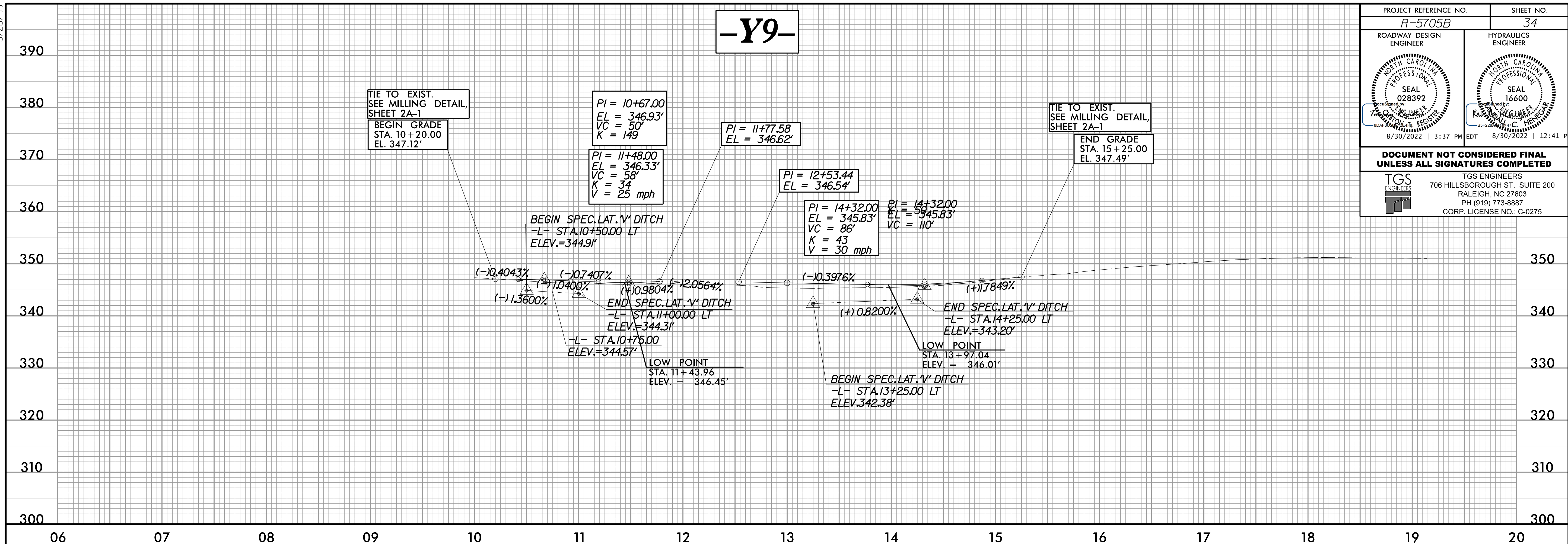
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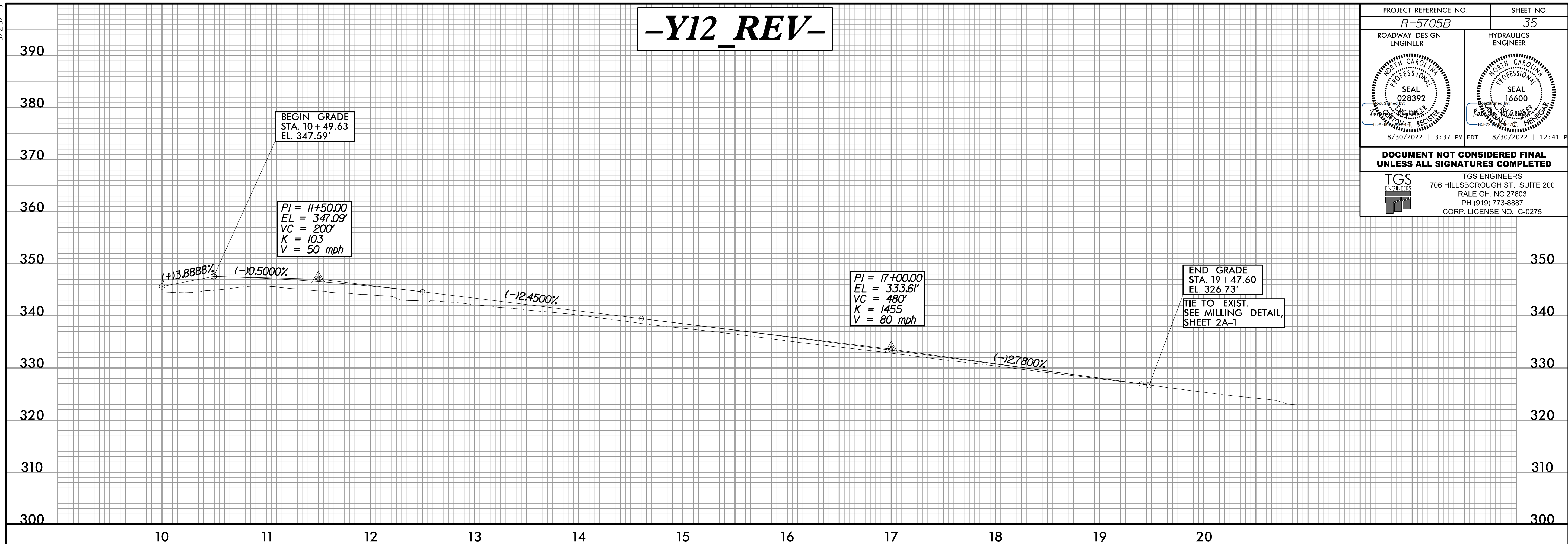
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PROJECT REFERENCE NO. <b>R-5705B</b>	SHEET NO. <b>35</b>
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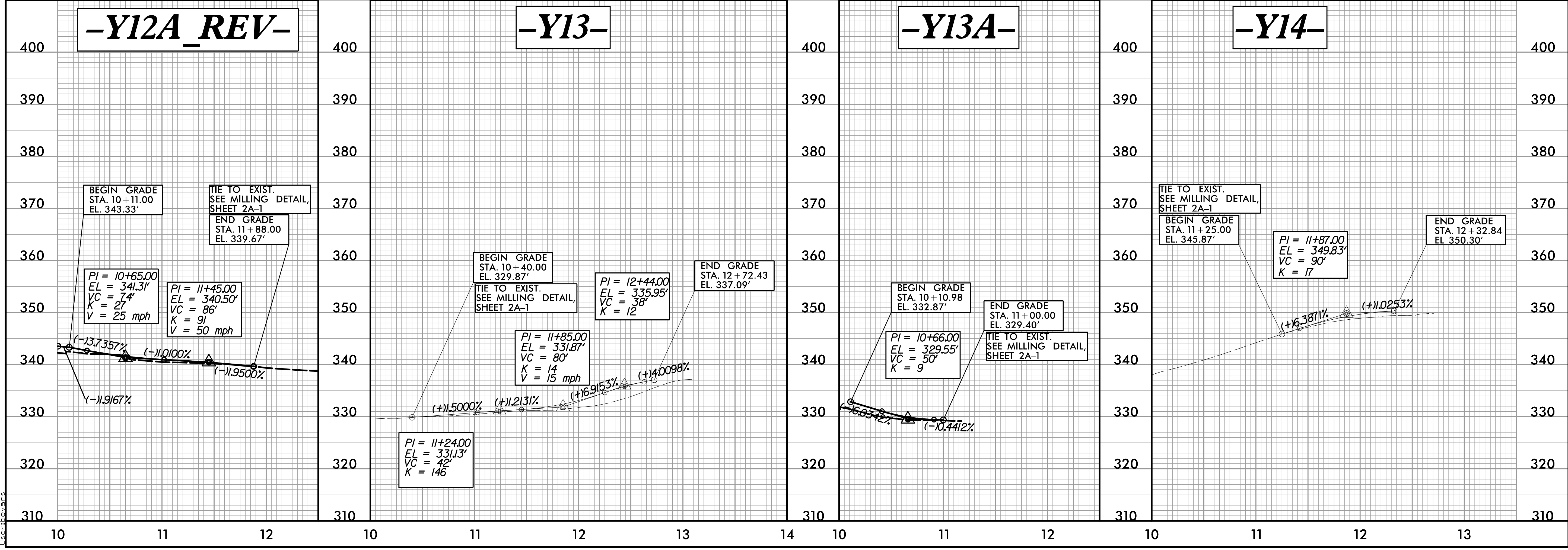


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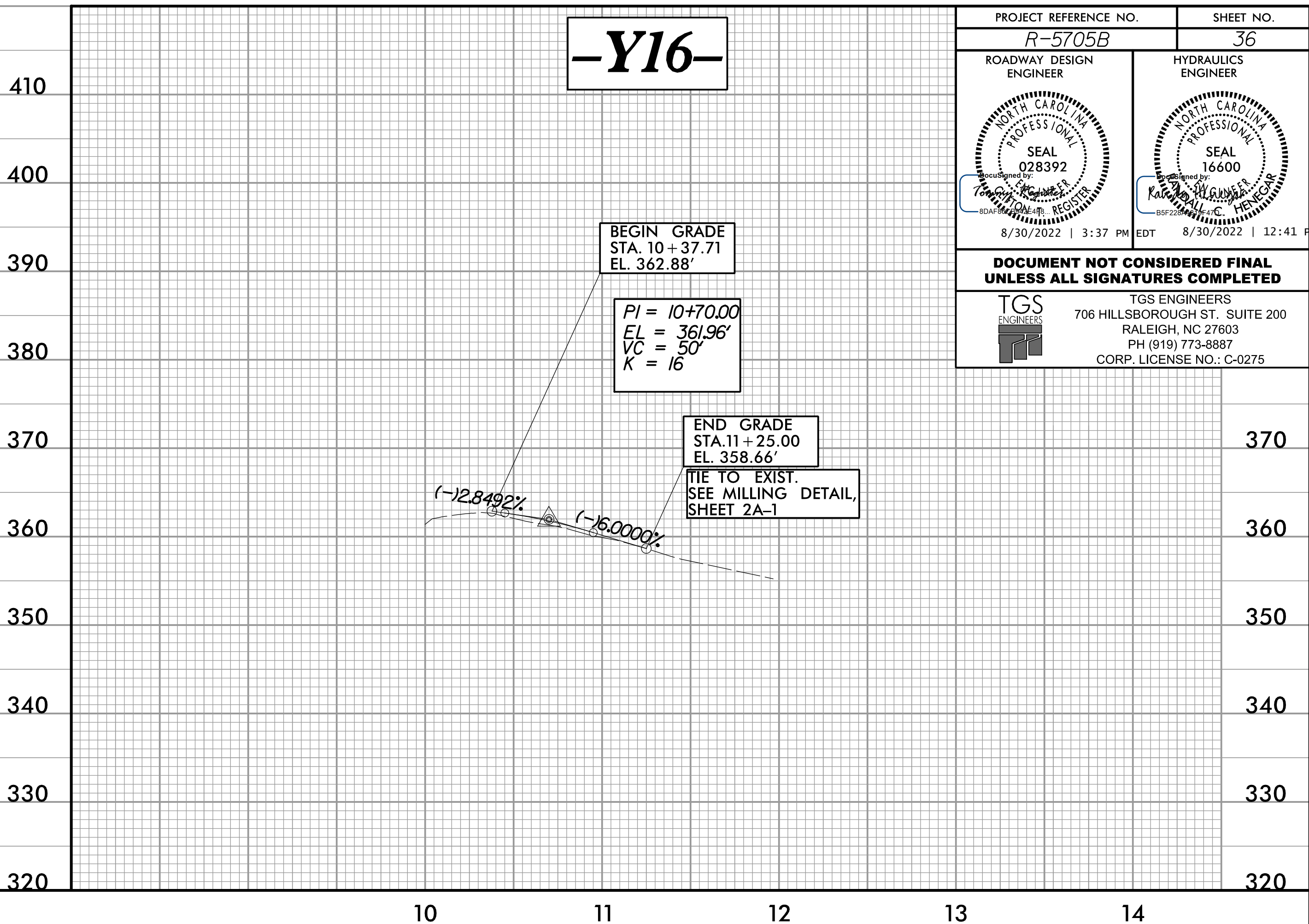
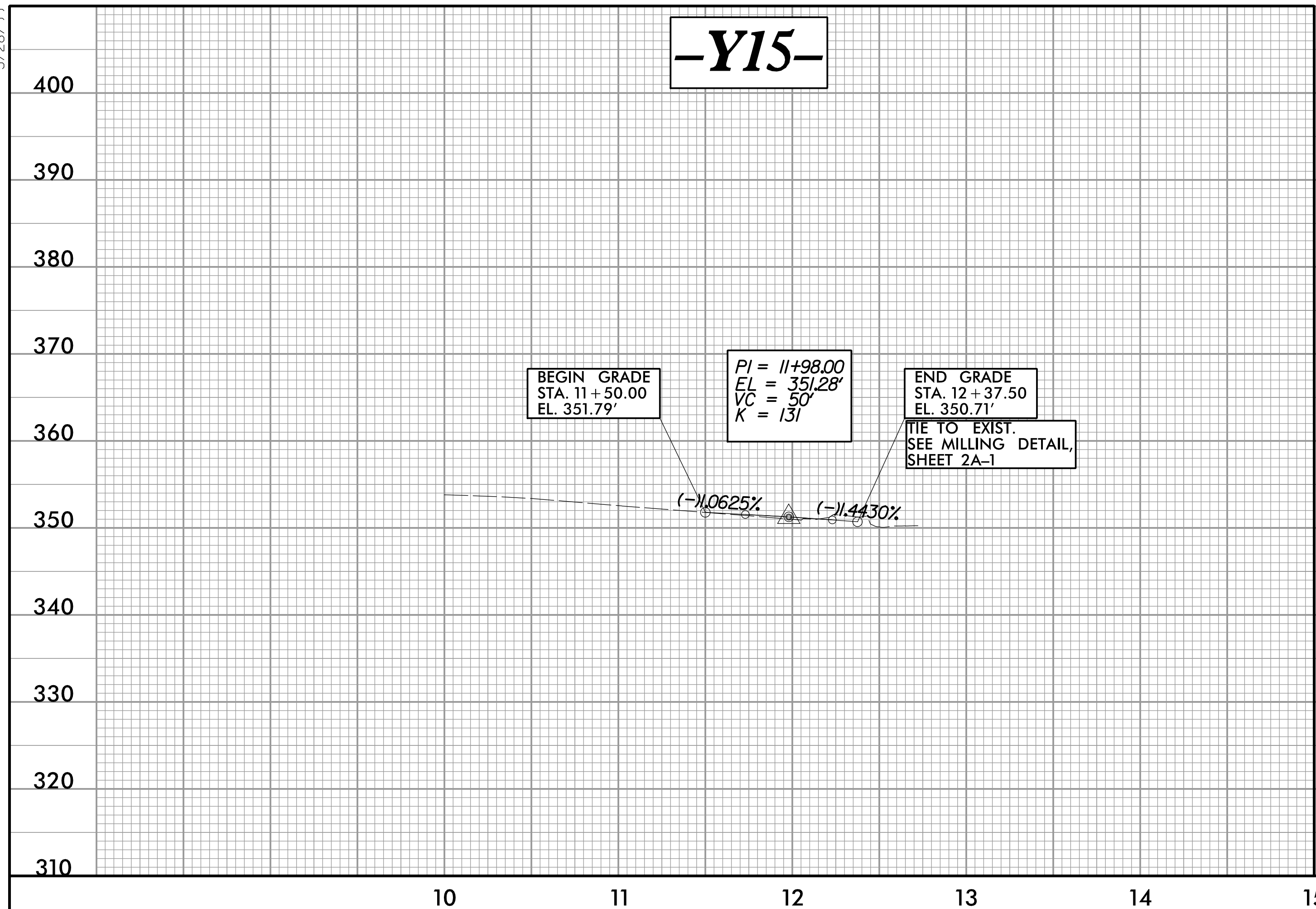
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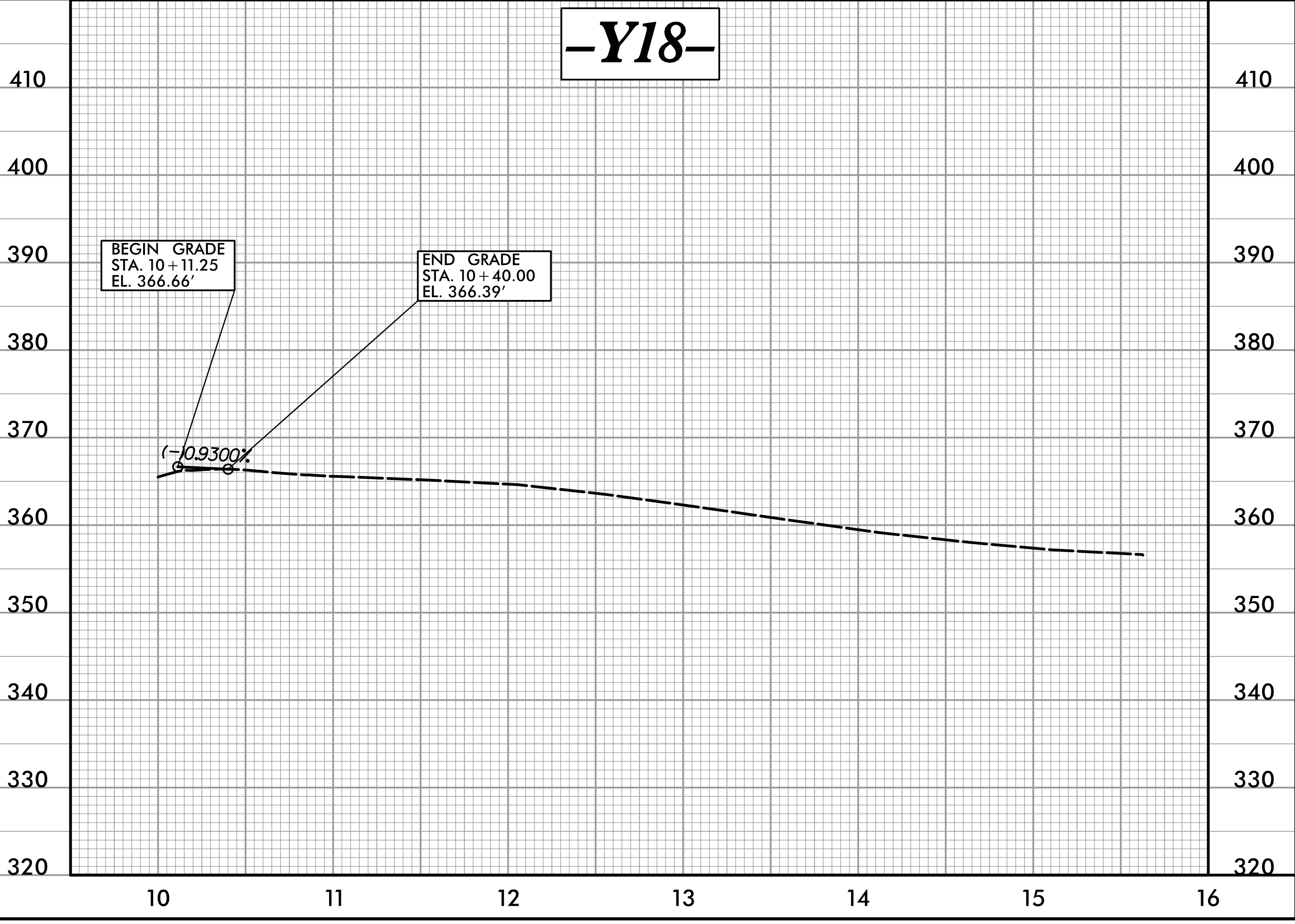
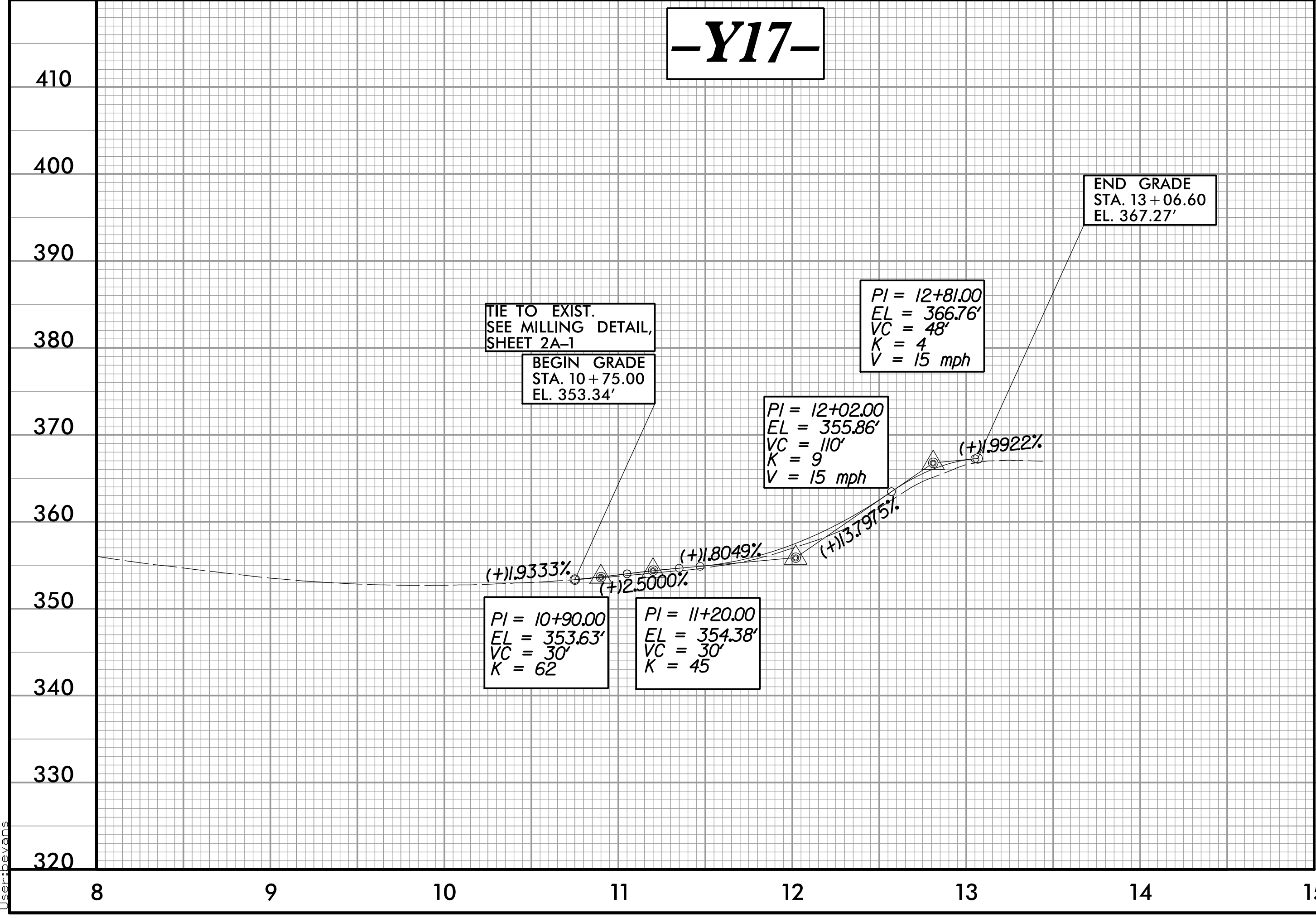
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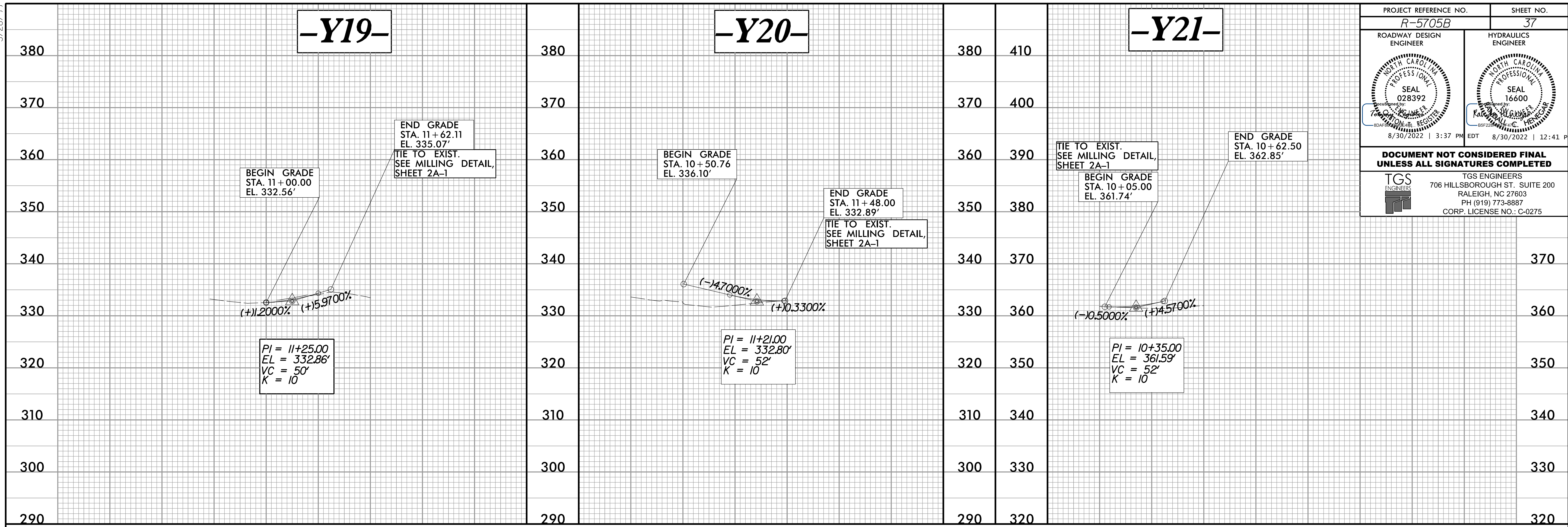


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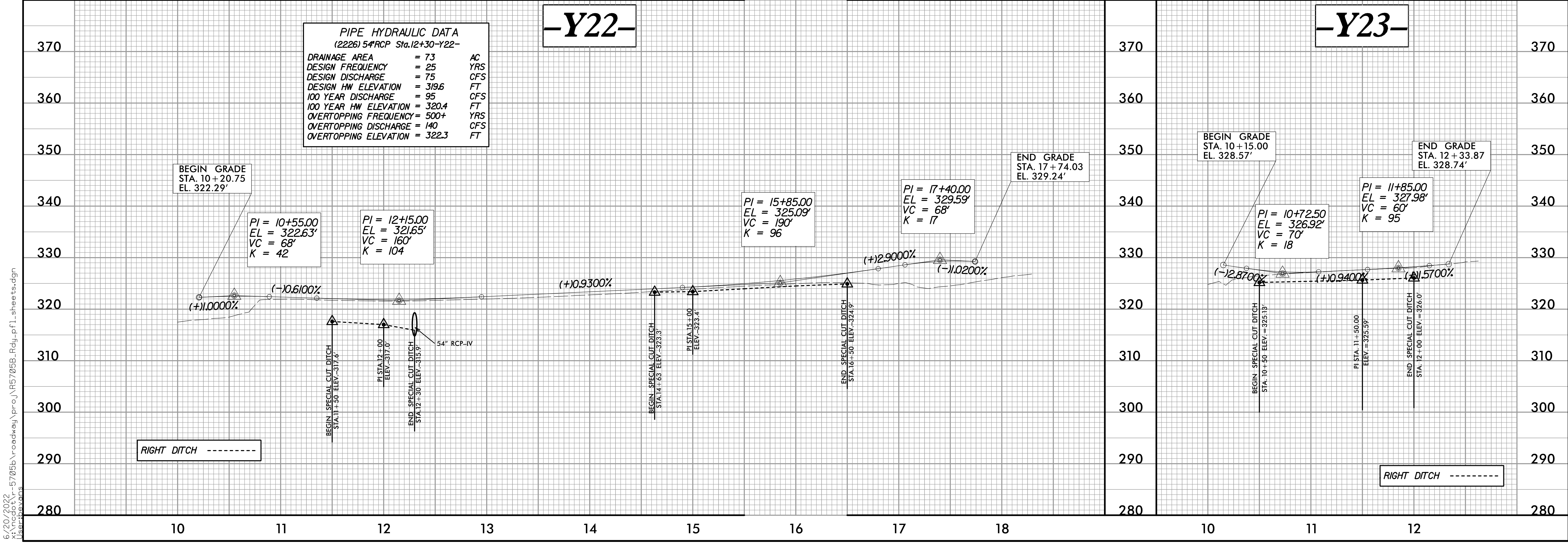
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