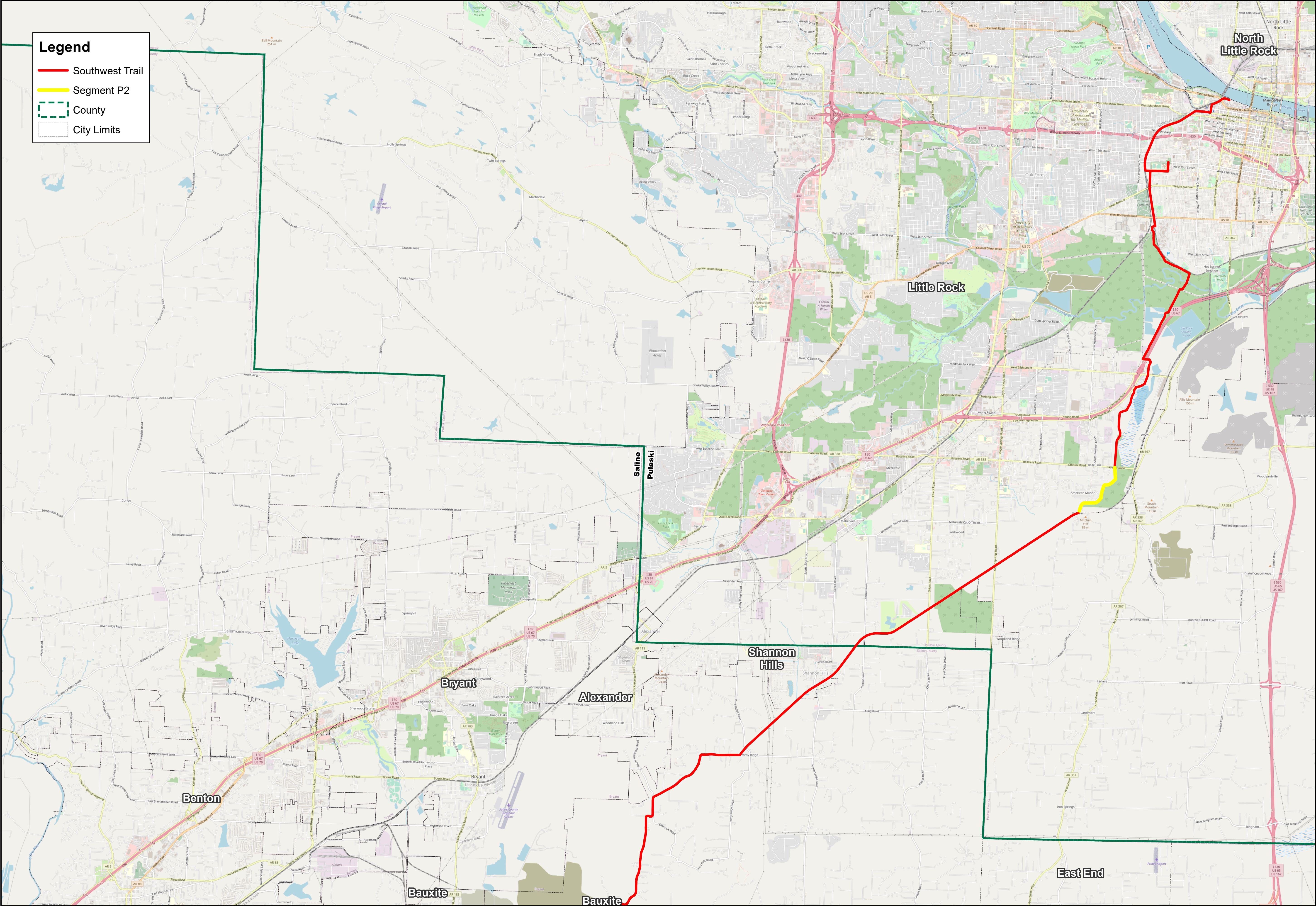




Legend

Southwest Trail

Segment P2

County

City Limits



PULASKI, GARLAND, AND SALINE COUNTIES
ARKANSAS
SOUTHWEST TRAIL SYSTEM

JOB NO.: 061562
DATE: NOV 2023

ACTION NO.
SWL 2019-00056
Segment P2 Map

KEYMAP

CHARLESTON METHOD
Mitigation for Wetlands
Issued September 19, 2002

14. Tables and Worksheets.

14.1. *Adverse Impacts Table.*

ADVERSE IMPACT FACTORS FOR WETLANDS AND OTHER WATERS OF THE U.S. EXCLUDING STREAMS

FACTORS	OPTIONS					
Lost Type	Type C 0.2			Type B 2.0		Type A 3.0
Priority Category	Tertiary 0.5			Secondary 1.5		Primary 2.0
Existing Condition	Very Impaired 0.1	Impaired 1.0		Slightly Impaired 2.0		Fully Functional 2.5
Duration	Seasonal 0.1	0 to 1 0.2	1 to 3 0.5	3 to 5 1.0	5 to 10 1.5	Over 10 2.0
Dominant Impact	Shade 0.2	Clear 1.0	Dredge 1.5	Drain 2.0	Impound 2.5	Fill 3.0
Cumulative Impact	$0.05 \times \sum AA_i$					

Note: For the Cumulative Impact factor, $\sum AA_i$ stands for the sum of the acres of adverse impacts to aquatic areas for the overall project. When computing this factor, round to the nearest tenth decimal place using even number rounding. Thus 0.01 and 0.050 are rounded down to give a value of zero while 0.051 and 0.09 are rounded up to give 0.1 as the value for the cumulative impact factor. The cumulative impact factor for the overall project must be used in each area column on the Required Mitigation Credits Worksheet below.

Required Mitigation Credits Worksheet

Factor	REW-1a (PFO) - Temp. Clear	REW-1a (PFO) - Perm. Fill	W-111a (PFO) - Temp. Clear	W-111a (PFO) - Perm. Fill	W-111b (PEM) - Temp. Clear	W-111b (PEM) - Perm. Fill	W-111d (PEM) - Temp. Clear	W-111d (PEM) - Perm. Fill
Lost Type	2	2	2	2	2	2	2	2
Priority Category	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Existing Condition	2.5	2.5	2.5	2.5	2	2	2	2
Duration	1.5	2	1.5	2	0.2	2	0.2	2
Dominant Impact	1	3	1	3	1	3	1	3
Cumulative Impact	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Sum of r Factors	8.10	10.60	8.10	10.60	6.30	10.10	6.30	10.10
Impacted Area	0.113	0.155	1.046	2.265	0.075	0.612	0.078	0.526
R x AA =	0.92	1.64	8.47	24.01	0.47	6.18	0.49	5.31

Required Wetland Mitigation Credits for Segment P2 = $\sum (R \times A) =$ 47.50

Total Wetland Impacts for Segment P2 = 4.870

Little Rock Stream Method

ADVERSE IMPACT FACTORS FOR RIVERINE SYSTEMS WORKSHEET

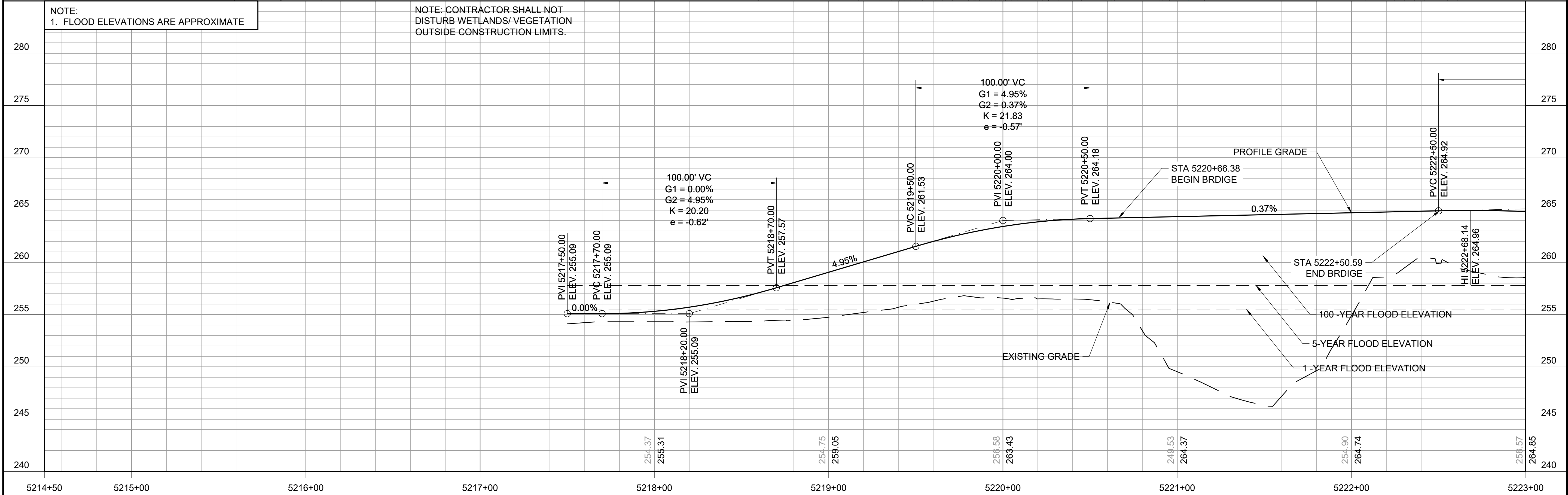
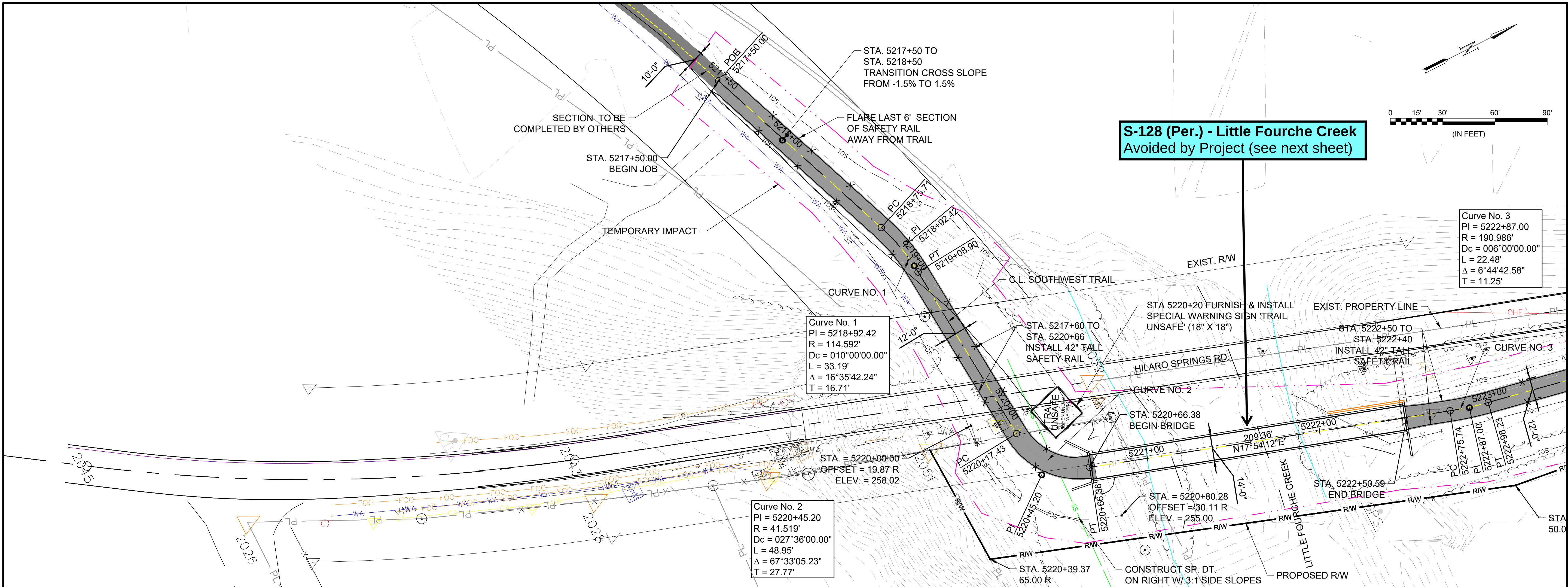
Factors	Options								
Stream Type Impacted	Ephemeral 0.1		Intermittent 0.4			Perennial - OHWM width			
						<15' 0.4	15'-30' 0.6	>30' 0.8	
Priority Area	Tertiary 0.1		Secondary 0.4			Primary 0.8			
Existing Condition	Functionally Impaired 0.1		Moderately Functional 0.8			Fully Functional 1.6			
Duration	Temporary 0.05		Recurrent 0.1			Permanent 0.3			
Activity	Clearing 0.05	Utility Crossing /Bridge Footing 0.15	Below Grade Culvert 0.3	A armor 0.5	Detention 0.75	Morpho-logic Change 1.5	Impound-ment (dam) 2.0	Pipe >100' 2.2	Fill 2.5
Cumulative Linear Impact	<100' 0	100'-200' 0.05	201-500' 0.1	501-1000' 0.2	>1000 linear feet (LF) 0.1 reach 500 LF of impact (example: scaling factor for 5,280 LF of impacts = 1.1)				

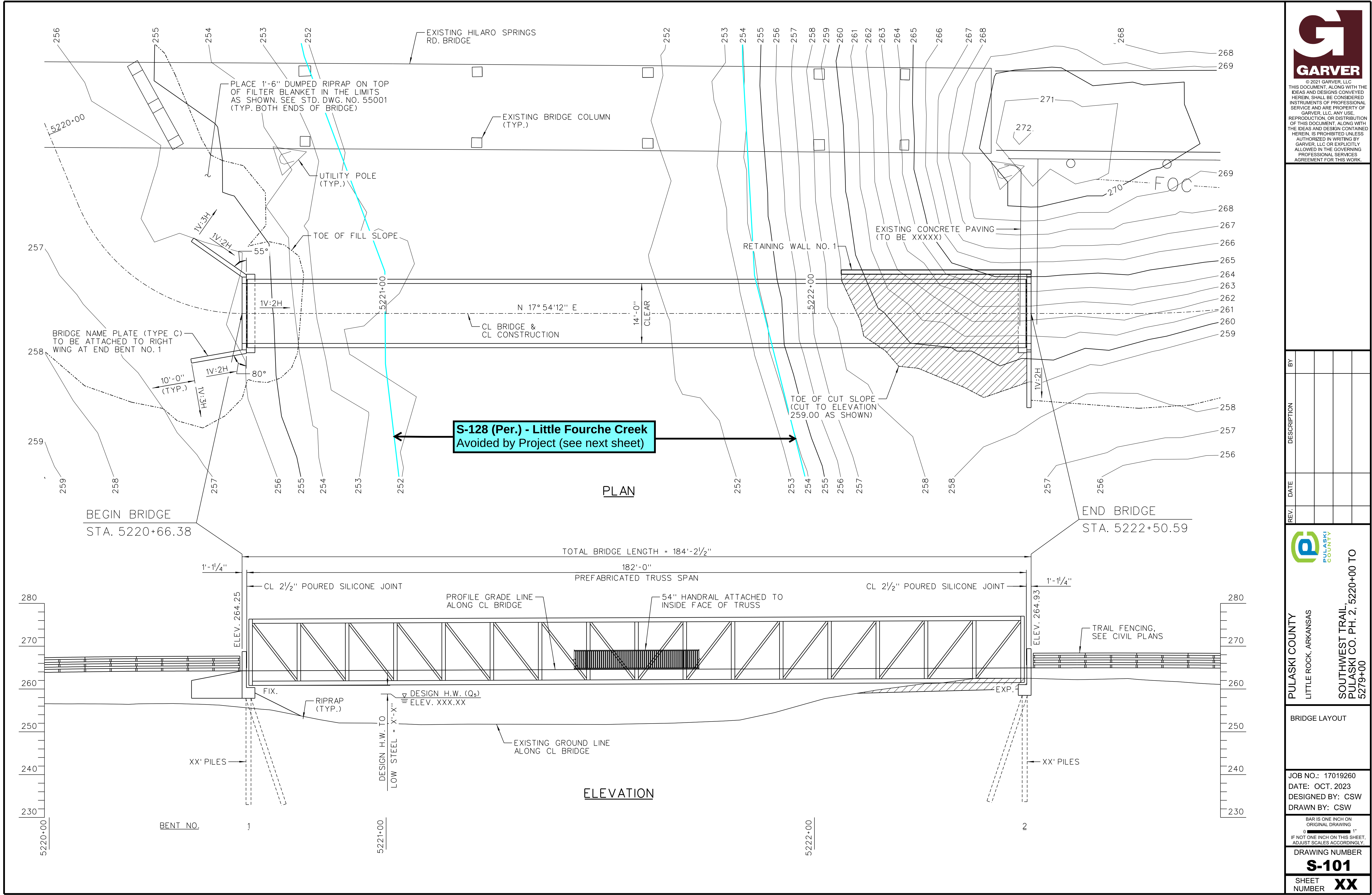
Factor	RES-1051 (Int.) - Temp. Clear	RES-1051 (Int.) - Perm. Culvert			
Stream Type Impacted	0.4	0.4			
Priority Area	0.1	0.1			
Existing Condition	0.8	0.8			
Duration	0.05	0.3			
Activity	0.05	0.3			
Cumulative Linear Impact	1.8	1.8			
Sum of Factors (M)	3.2	3.7			
Linear Feet of Stream Impacted in Reach (LF)	56	103			
M x LF =	179.2	381.1			

Total Mitigation Credits Required = (M x LF) =

560.3

November 26, 2011







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BY	DESCRIPTION	DATE	REV.



PULASKI COUNTY
LITTLE ROCK, ARKANSAS

SOUTHWEST TRAIL
PULASKI CO. PH. 2, 5220+00 TO 5279+00

BRIDGE LAYOUT

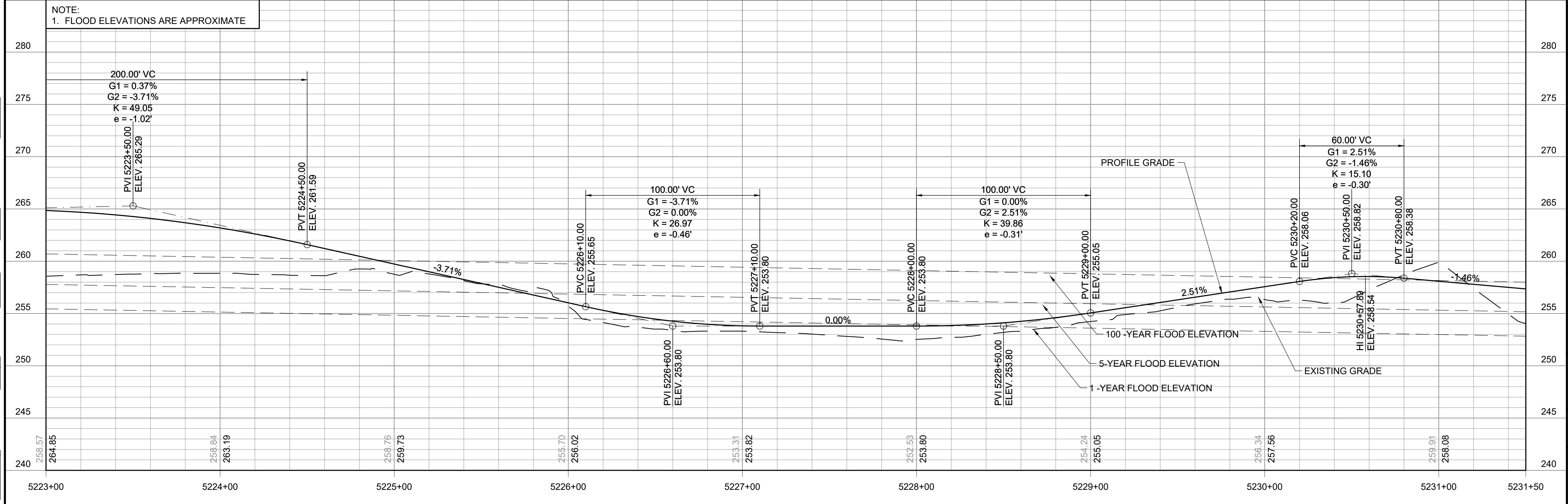
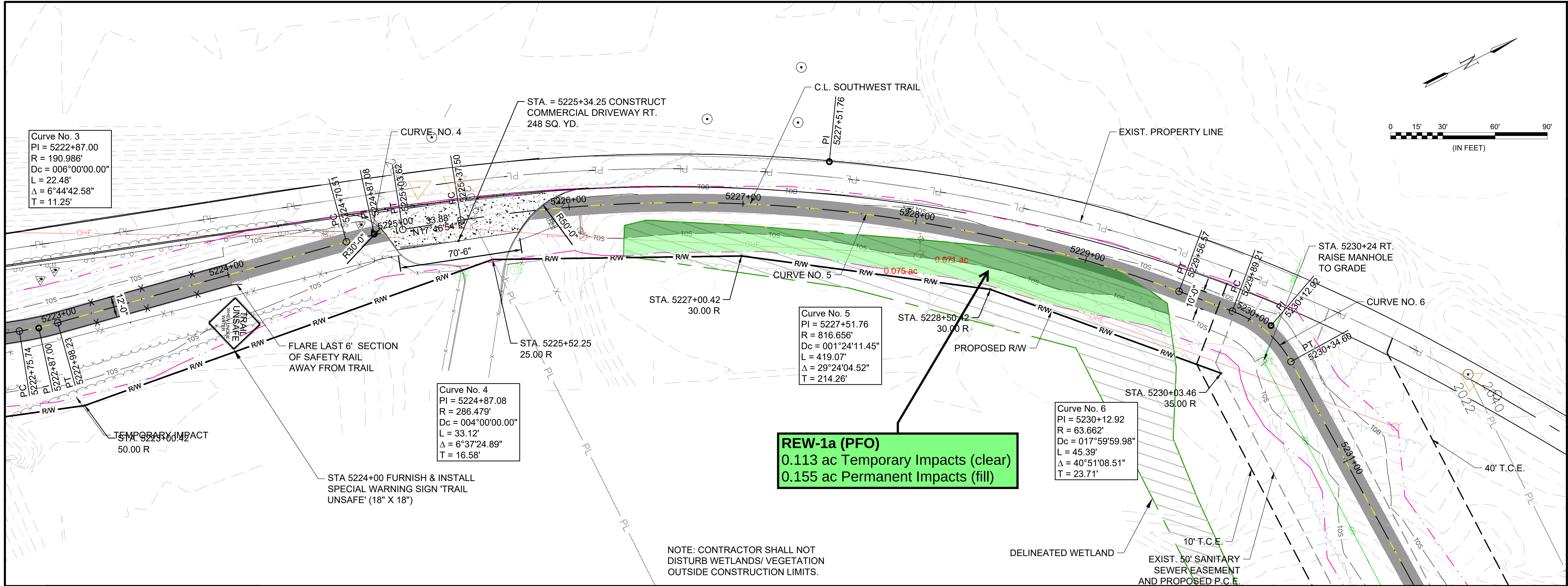
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DATE: OCT. 2023
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DRAWN BY: CSW

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60% PLANS
NOT FOR CONSTRUCTION

REV.	DATE	DESCRIPTION	BY

PULASKI COUNTY
LITTLE ROCK, ARKANSAS

JOB 061781, SOUTHWEST TRAIL:
HILARIO SPRINGS RD. -
BASELINE RD. (PULASKI CO.) (S)

PLAN AND PROFILE
STA. 5223+00
TO STA. 5231+50

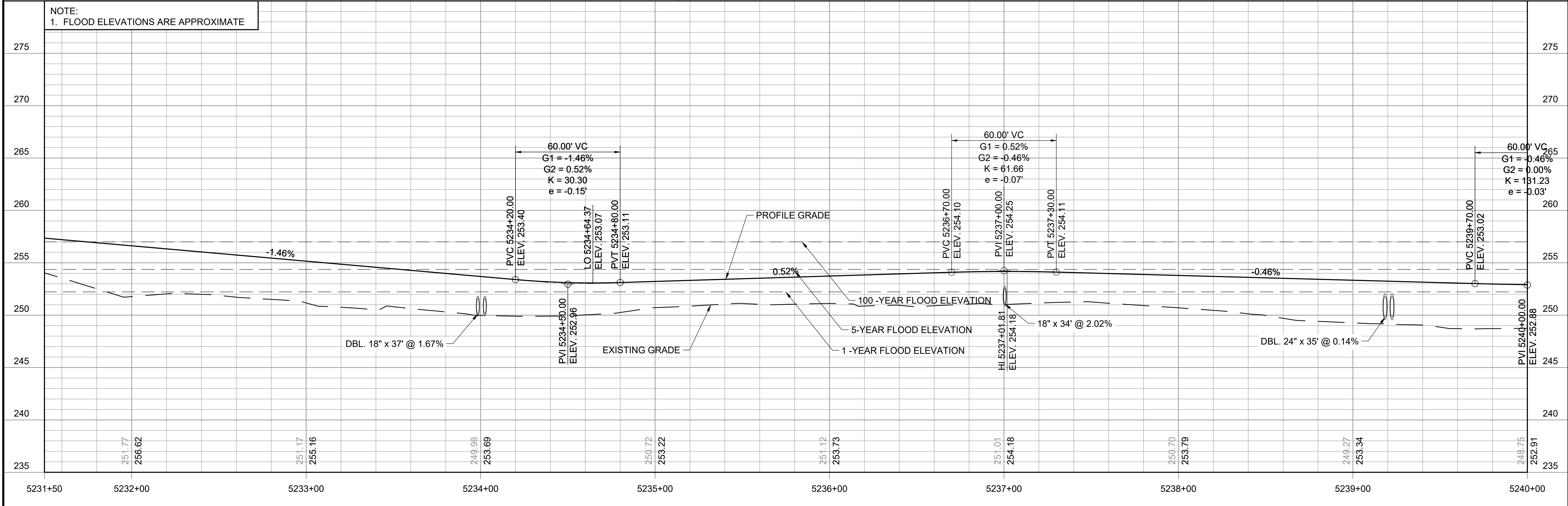
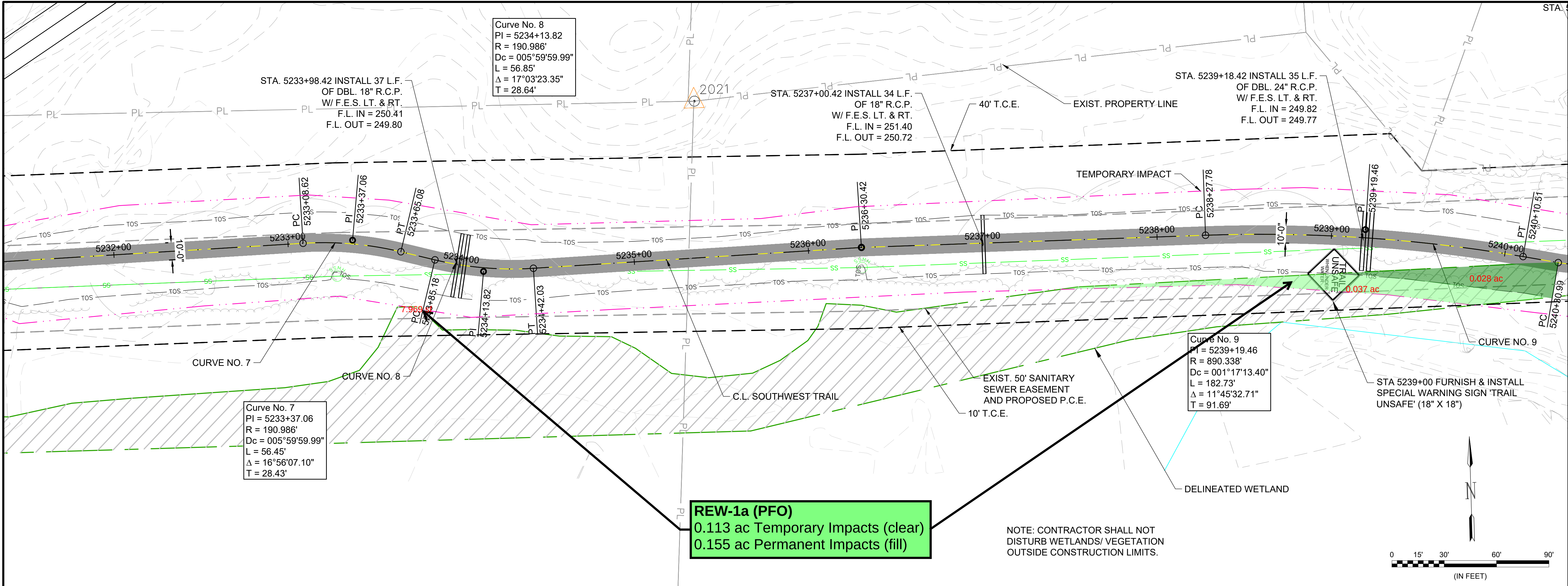
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BY	DESCRIPTION	DATE

REV.	DATE

PULASKI COUNTY
LITTLE ROCK, ARKANSAS

JOB 061781, SOUTHWEST TRAIL:
HILARIO SPRINGS RD. -
BASELINE RD. (PULASKI CO.) (S)

PLAN AND PROFILE
STA. 5231+50
TO STA. 5240+00

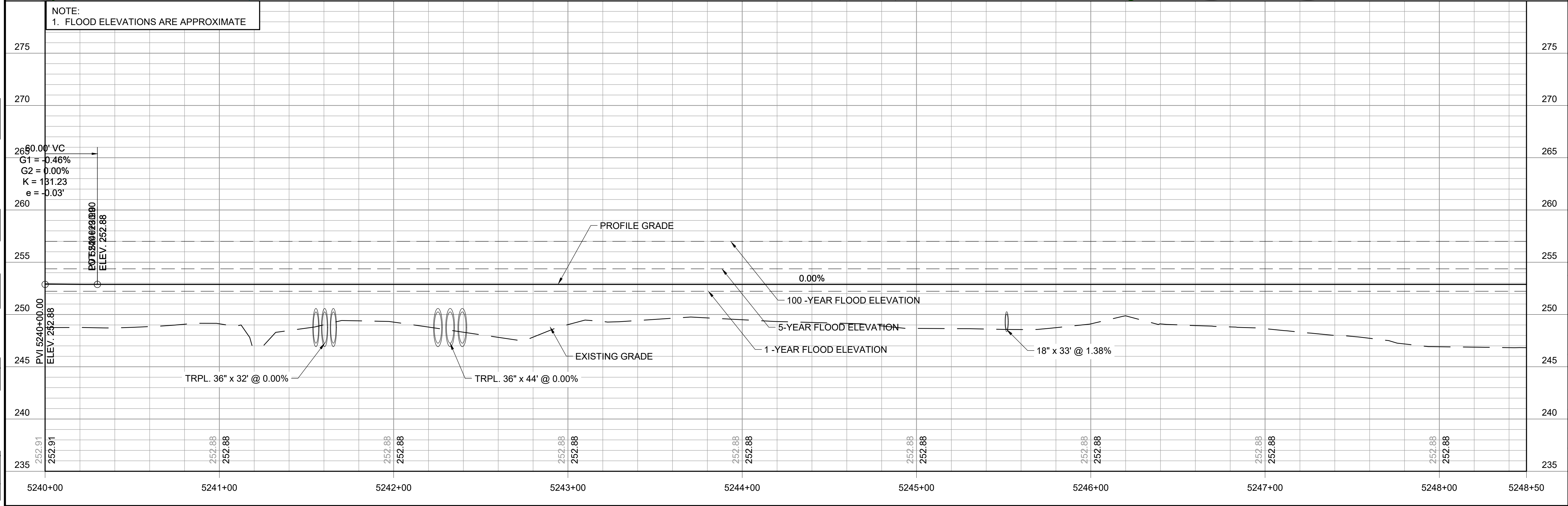
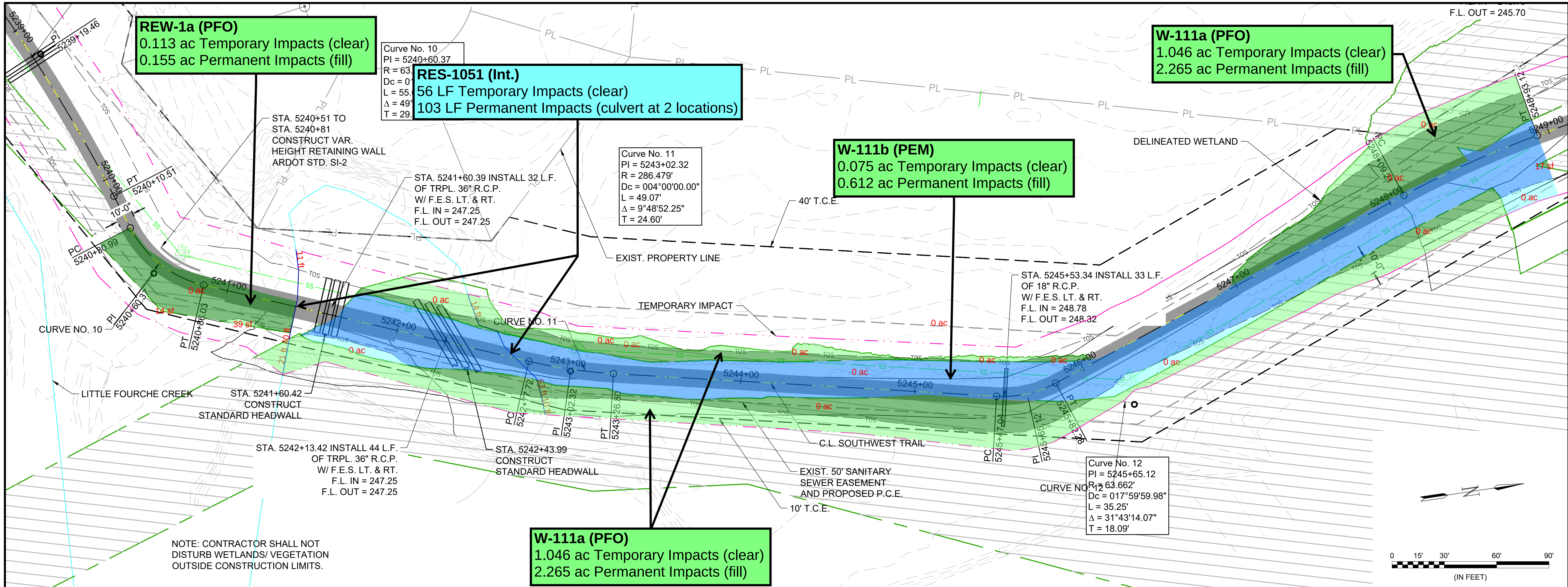
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PLAN AND PROFILE
STA. 5240+00
TO STA. 5248+50

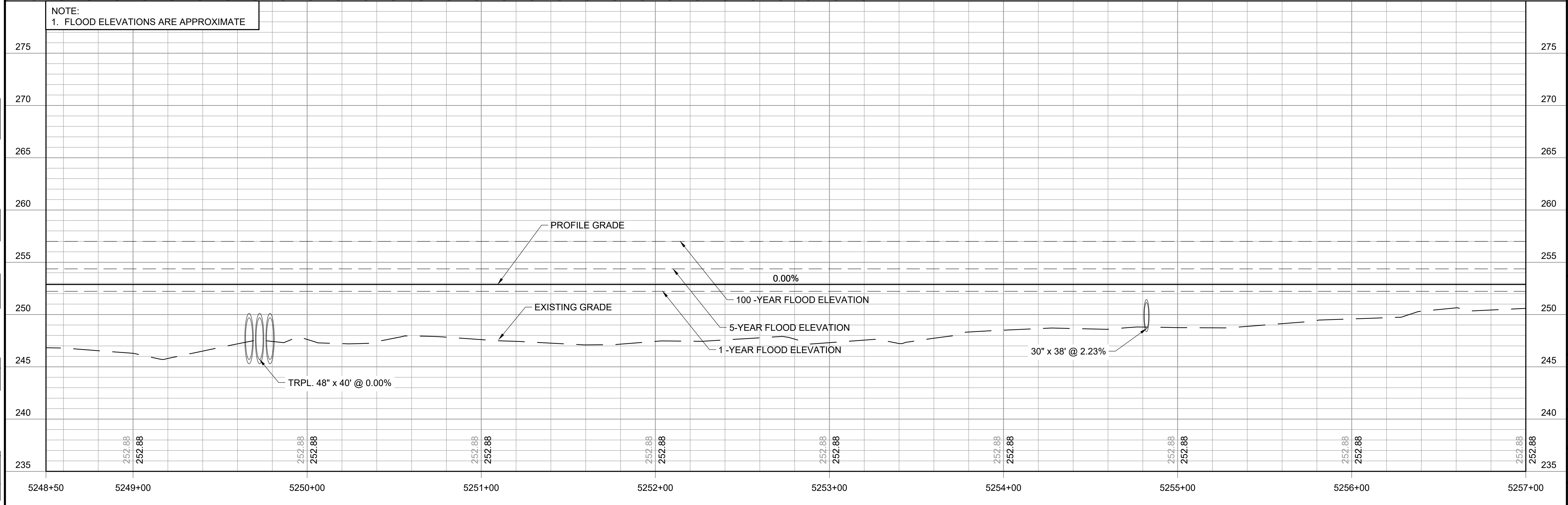
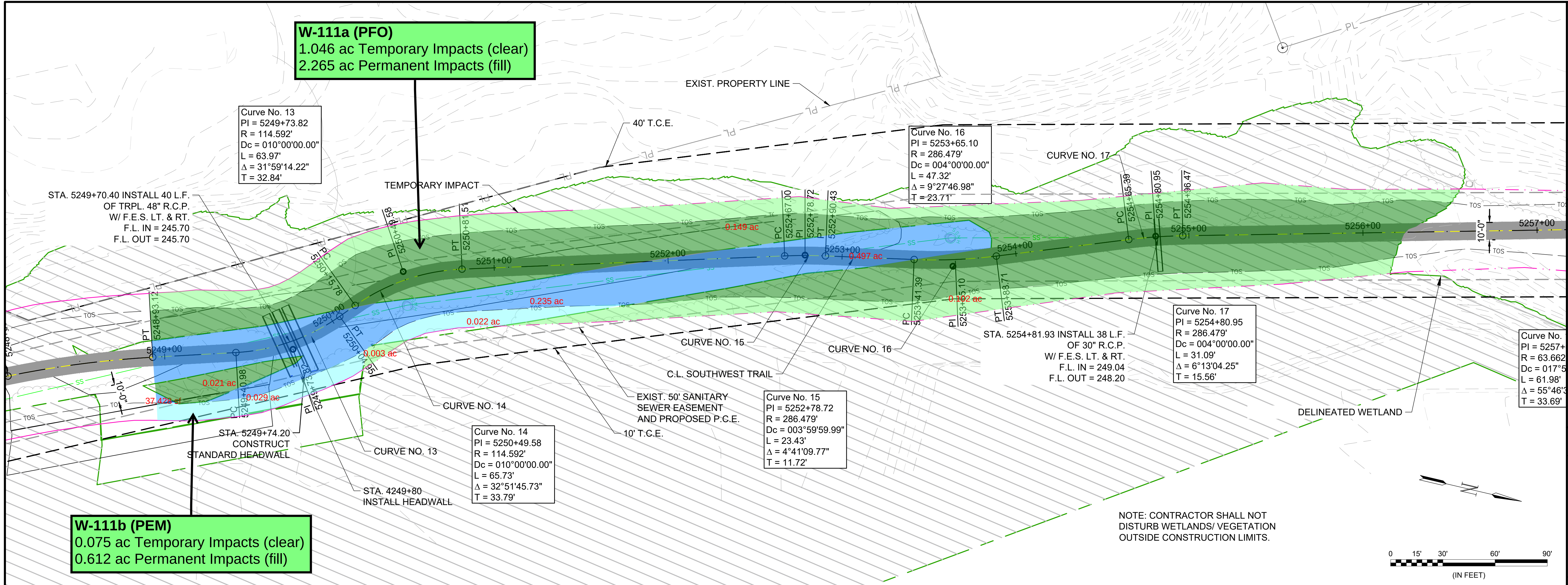
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BASELINE RD. (PULASKI CO.) (S)

PLAN AND PROFILE
STA. 5248+50
TO STA. 5257+00

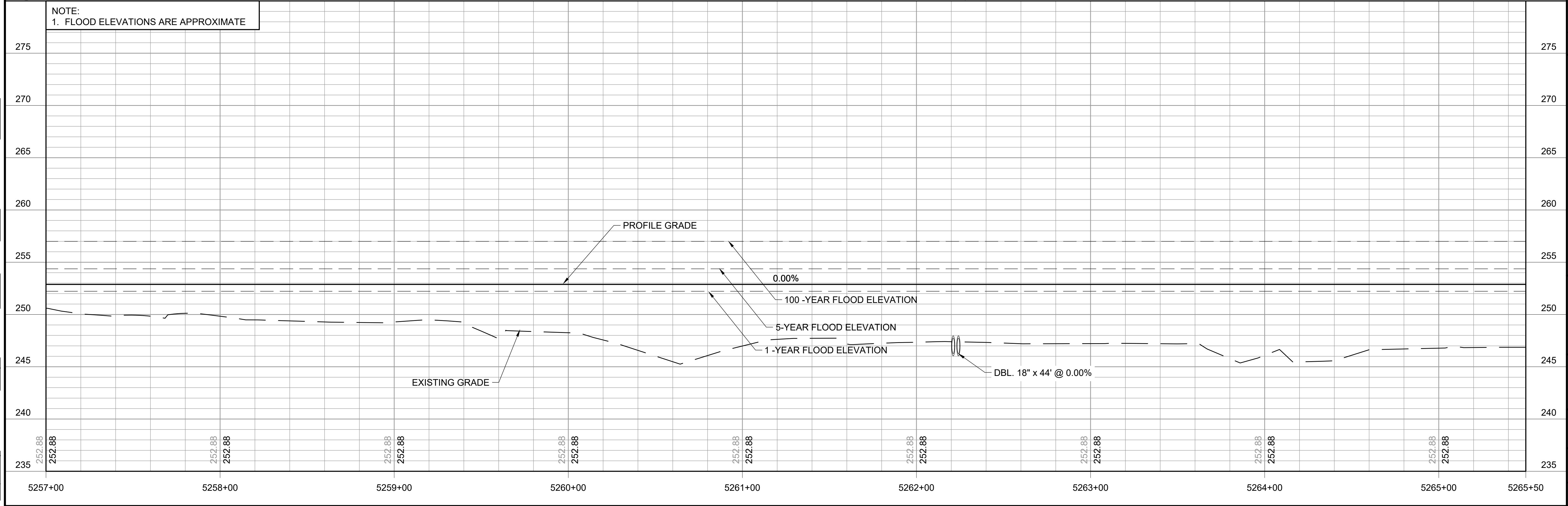
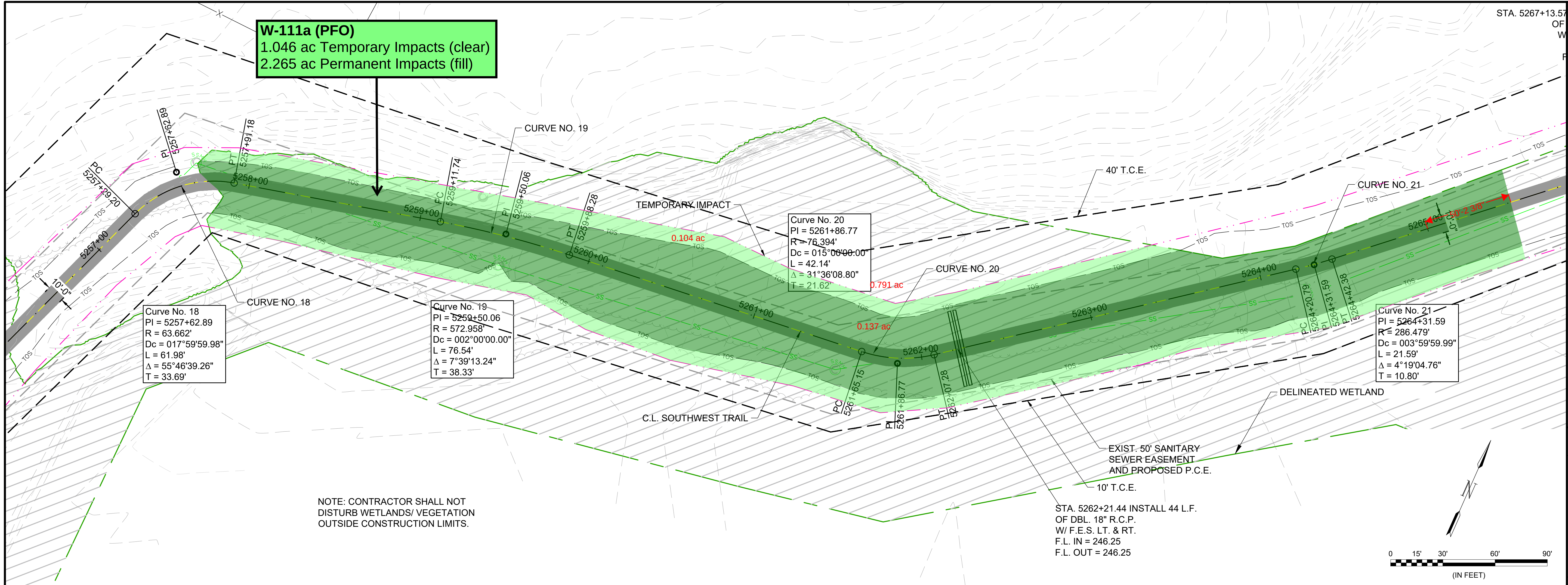
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JOB 061781, SOUTHWEST TRAIL:
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PLAN AND PROFILE
STA. 5257+00
TO STA. 5265+50

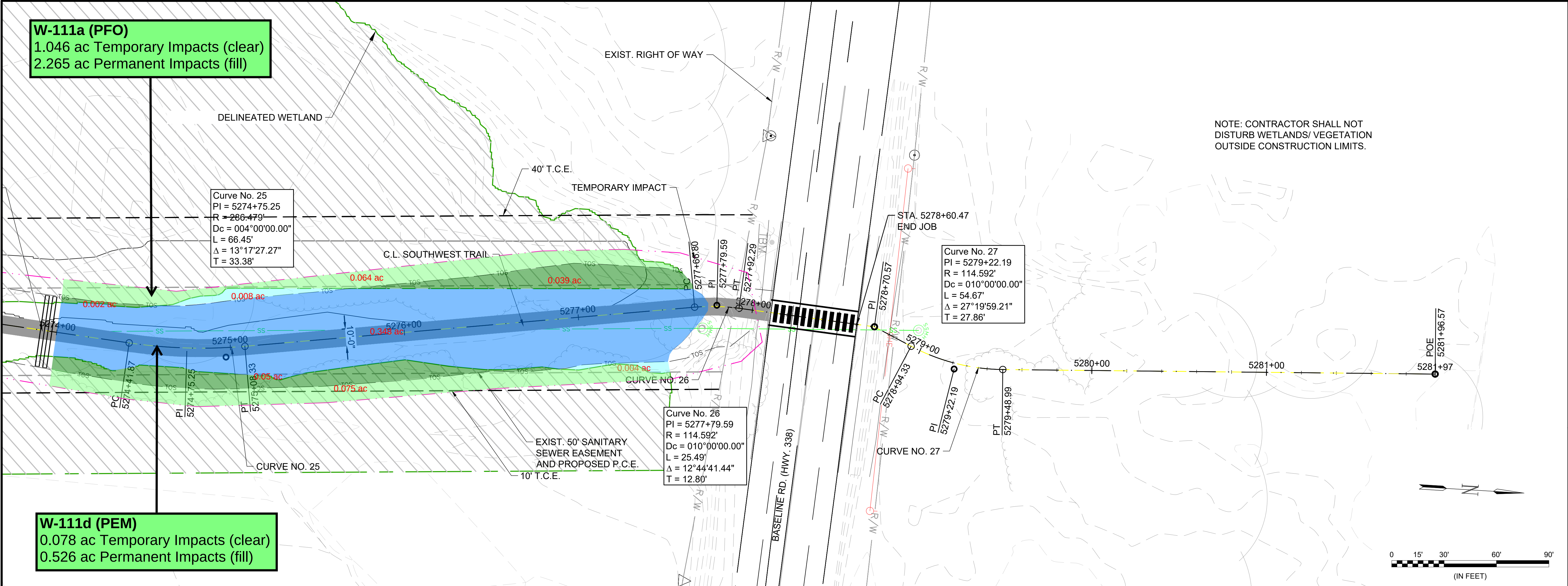
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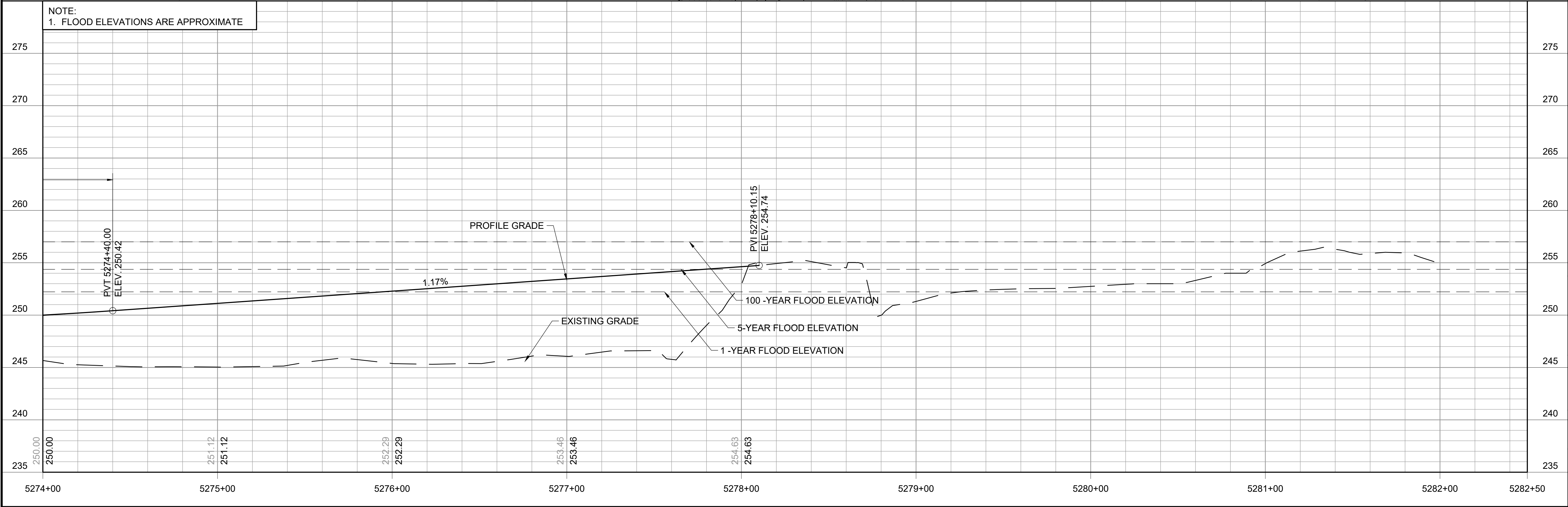


NOTE: CONTRACTOR SHALL NOT
DISTURB WETLANDS/ VEGETATION
OUTSIDE CONSTRUCTION LIMITS.

W-111a (PFO)
1.046 ac Temporary Impacts (clear)
2.265 ac Permanent Impacts (fill)

W-111d (PEM)
0.078 ac Temporary Impacts (clear)
0.526 ac Permanent Impacts (fill)

NOTE:
1. FLOOD ELEVATIONS ARE APPROXIMATE





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PLAN AND PROFILE
STA. 5274+00
TO STA. 5282+50

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