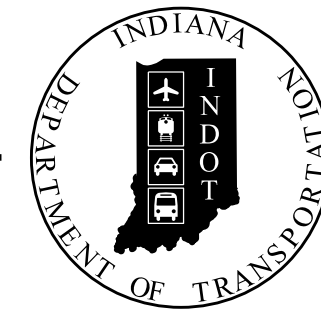


PROJECT	DESIGNATION
1700209	1700209
CONTRACT	
R-40415	

INDIANA DEPARTMENT OF TRANSPORTATION

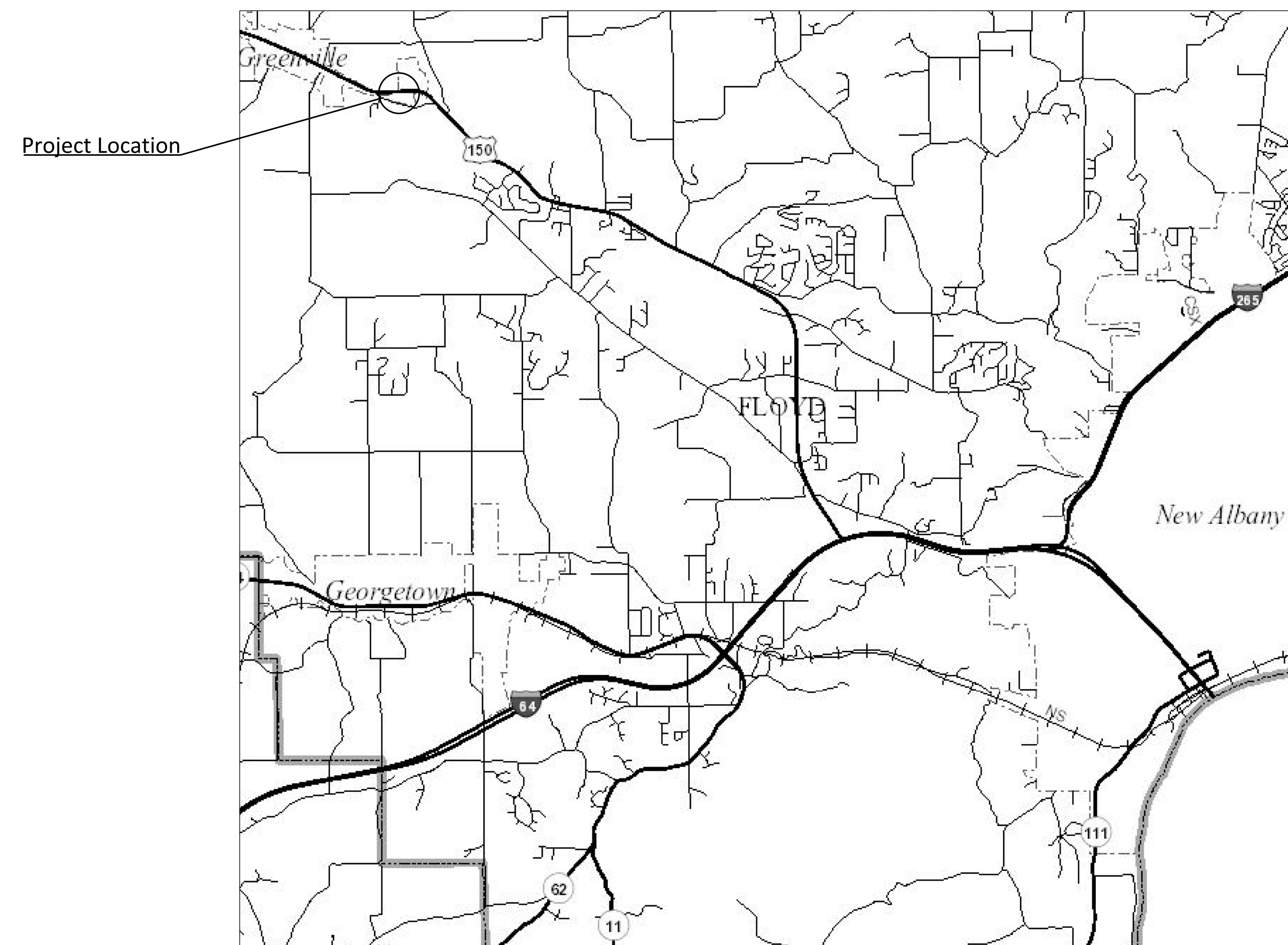


ROAD PLANS

ROUTE: US 150 FROM: RP 165+14 TO: RP 165+41

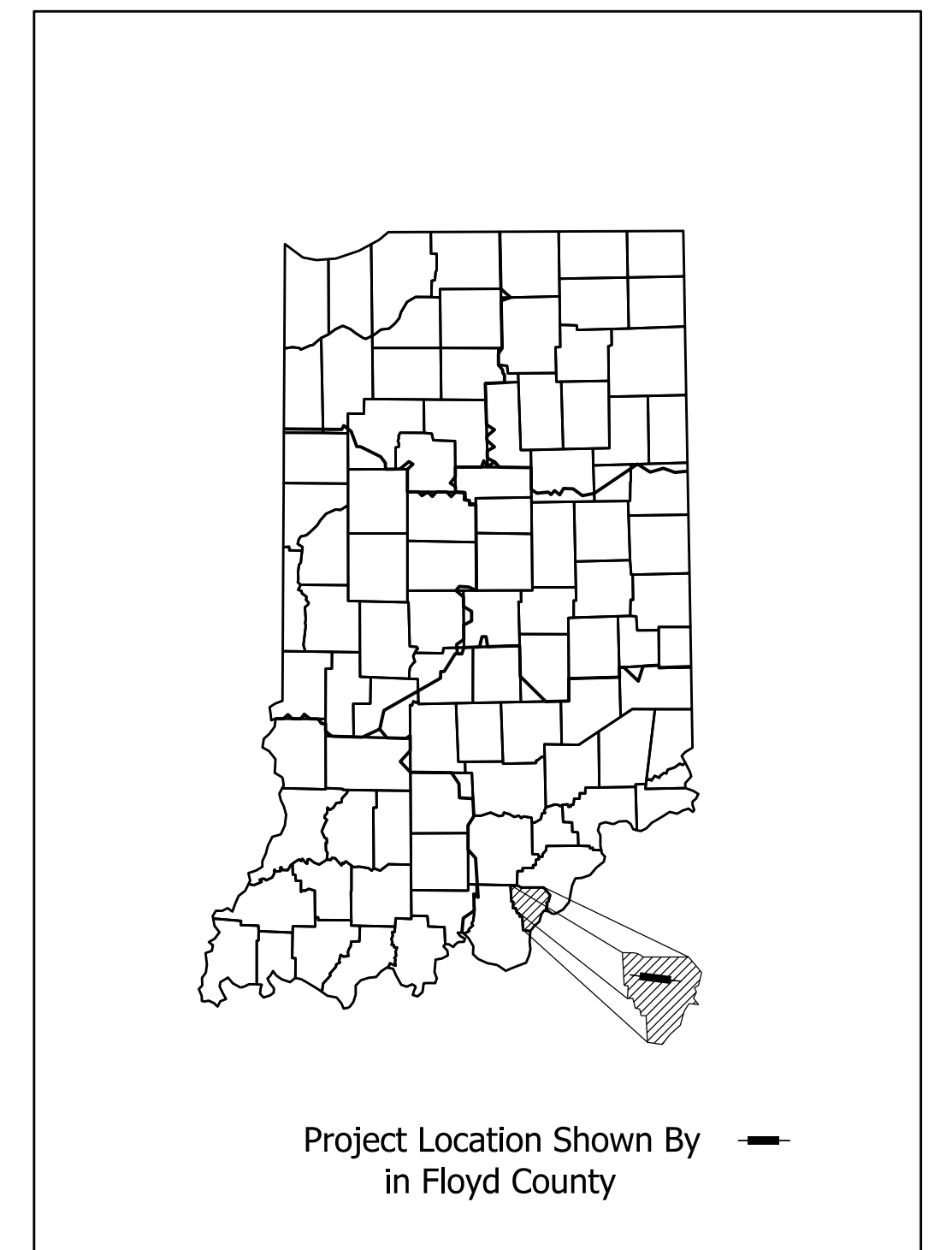
PROJECT NO.	1700209	P.E.
	1700209	R/W
	1700209	CONST.

Intersection Improvement Project with an Added Turn Lane on US-150
 Located 2.10 Miles east of SR-335
 Section 4, T-2-S, R-5-E, Greenville, Floyd, Indiana



TRAFFIC DATA		
A.A.D.T. (2022)		13,940 VPD
A.A.D.T. (2042)		17,300 VPD
D.H.V (2042)		1,337 VPH
DIRECTIONAL DISTRIBUTION		50%
TRUCKS		4% AADT 6% DHV

DESIGN DATA	
DESIGN SPEED	40 M.P.H.
PROJECT DESIGN CRITERIA	3R (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	Minor Arterial
RURAL/URBAN	Rural
TERRAIN	Rolling
ACCESS CONTROL	None



LATITUDE: N 38°22'3" LONGITUDE: W 85°58'2"

GROSS LENGTH:	0.27	MI.
NET LENGTH:	0.27	MI.
MAX. GRADE:	6.0	%

INDIANA DEPARTMENT OF TRANSPORTATION
 STANDARD SPECIFICATIONS DATED 2022
 TO BE USED WITH THESE PLANS

PLANS PREPARED BY: _____ PHONE NUMBER _____
 CERTIFIED BY: _____ DATE _____
 APPROVED FOR LETTING: _____ INDIANA DEPARTMENT OF TRANSPORTATION DATE _____

DESIGNATION	
1700209	
SHEETS	
1	of 22
CONTRACT	PROJECT
R-40415	1700209

UTILITIES



INDIANA UNDERGROUND
1-800-382-5544 OR CALL 811
24 HOURS A DAY 7 DAYS A WEEK

Duke Energy
Bill Ferrell

Greenville Water
Audi Findley
PO Box 188
Greenville, IN 47124
812-923-9821
afindley@visitgreenvillein.com

Charter Communications
Kevin Mercer
10168 Linn Station Rd.
Louisville, KY 40223
502-817-5055
Kevin.mercer@charter.com

GENERAL NOTES

1. All earth shoulders, and cut and fill slopes shall be mulched seeded if another covering is not specified in the plans.
2. The contractor shall ensure that safe access is maintained to all residences and businesses during all phases of construction.
3. The contractor is to ensure that positive drainage is maintained at all intersections and flowlines impacted by the project.
4. Benches shall be cut into existing slopes steeper than 4:1 where new fill is placed.

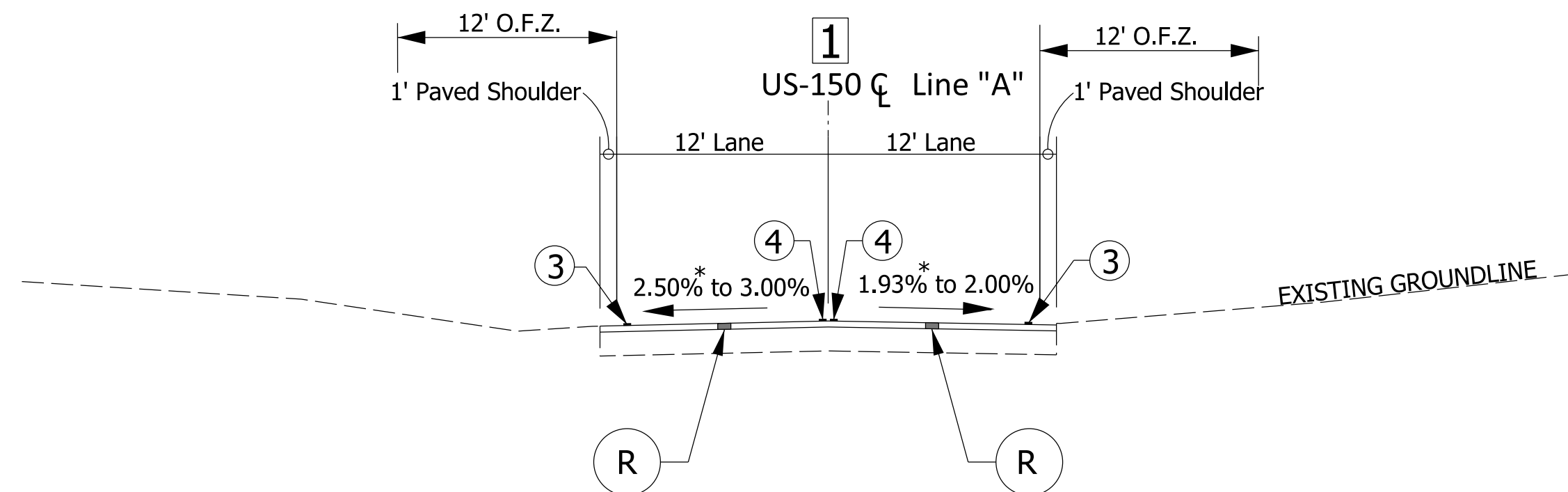
INDEX

SHEET NO.	DRAWINGS INDEX
1	Title Sheet
2	Index and General Notes Sheet
3	Typical Cross Section Sheet
4	Plat No. 1
5-9	Maintenance of Traffic
10	Plan and Profile Sheet
11	Superelevation Diagram Sheet
12-13	Layout
14	Quantity Tables
15-22	Cross Section Sheets

REVISIONS

SHEET NO.	DATE	REVISED

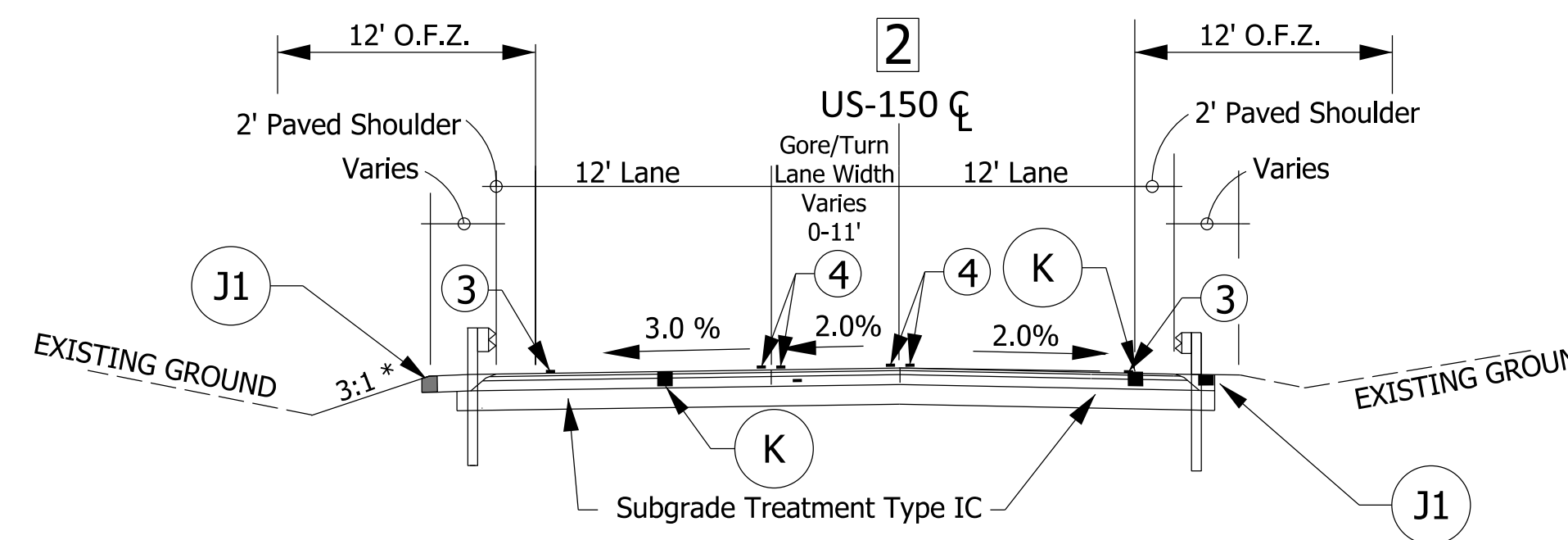
RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION		DESIGNATION 1700209
	DESIGNED: _____ DRAWN: _____	Index and General Notes	
	CHECKED: _____ CHECKED: _____	CONTRACT R-40415	SHEETS 2 of 22 PROJECT 1700209



TYPICAL INCIDENTAL SECTION

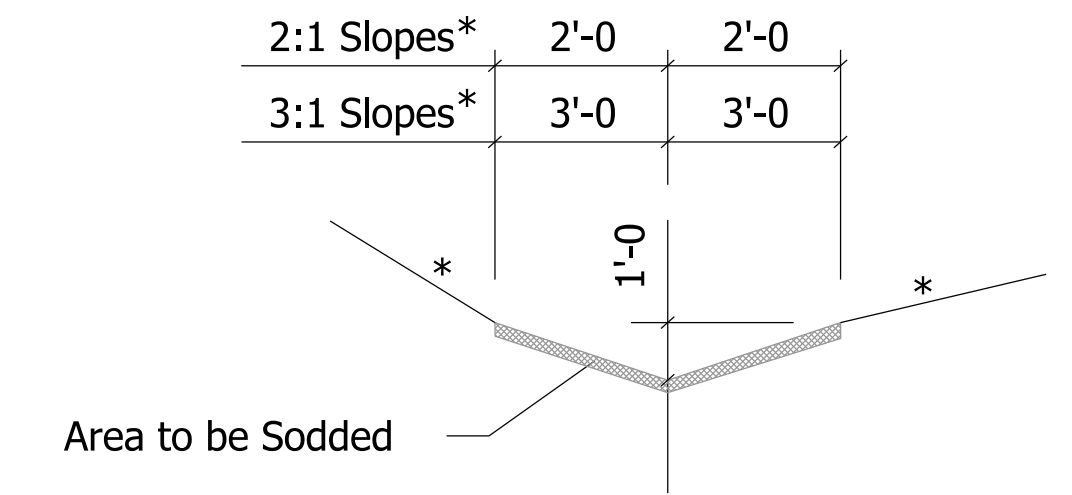
STA. 755+35.2 "A" TO STA. 756+35.2 "A"

*Existing slope at tie-in.

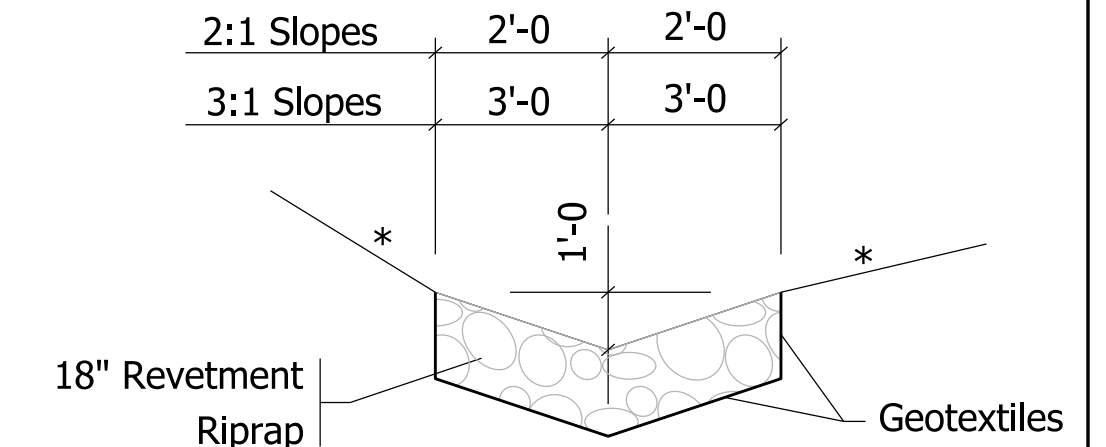


TYPICAL TURN LANE TAPER SECTION

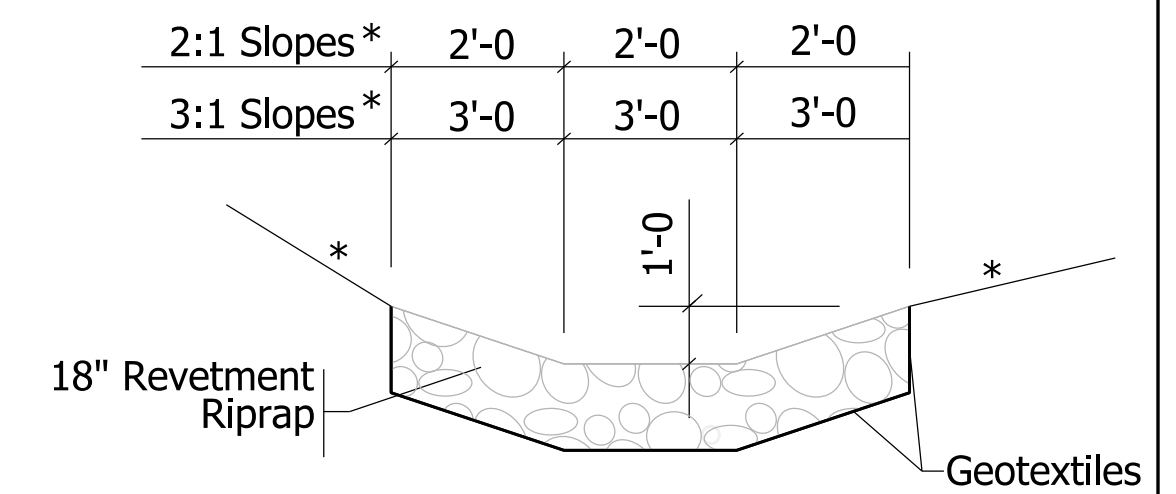
STA. 756.32 "PR-A" TO STA. 759+65.2



"V" BOTTOM SODDED DITCH
No Scale

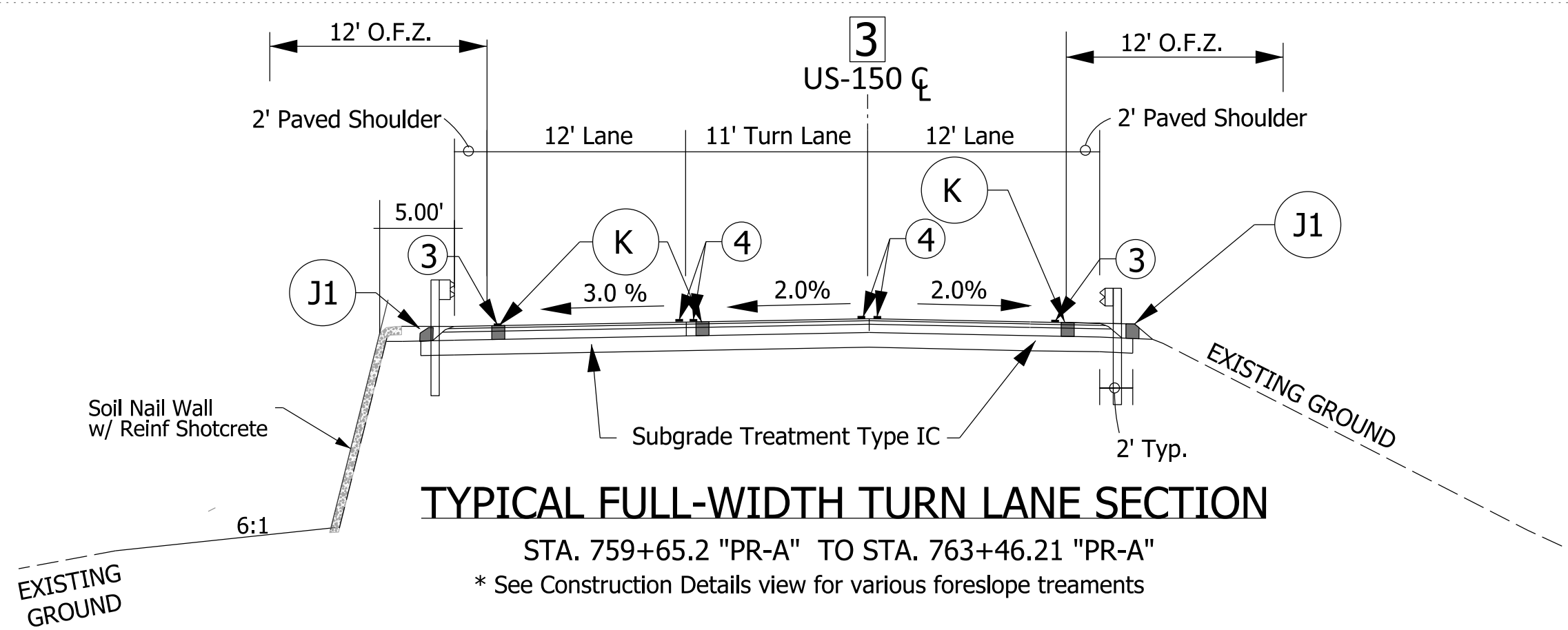


"V" BOTTOM RIPRAP DITCH
No Scale



"FLAT" BOTTOM RIPRAP DITCH
No Scale

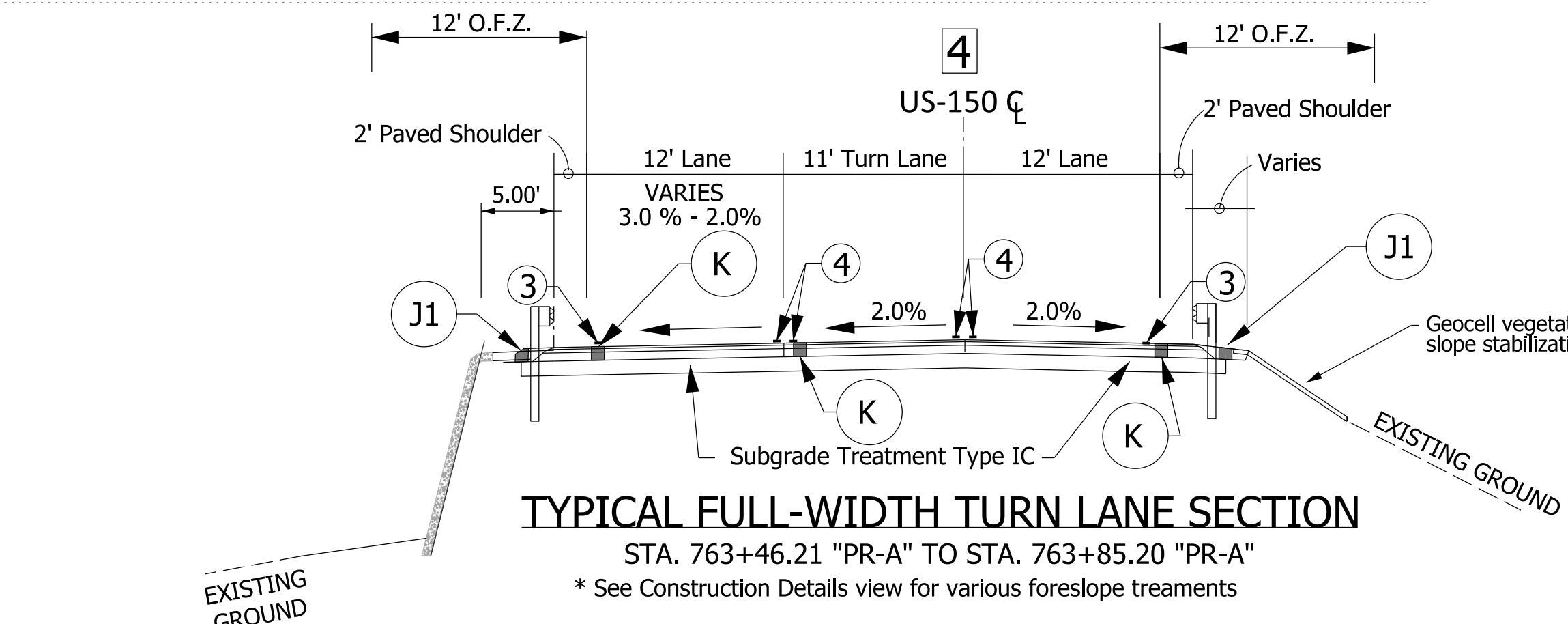
* See Construction Detail Sheet and Cross Sections for Locations



TYPICAL FULL-WIDTH TURN LANE SECTION

STA. 759+65.2 "PR-A" TO STA. 763+46.21 "PR-A"

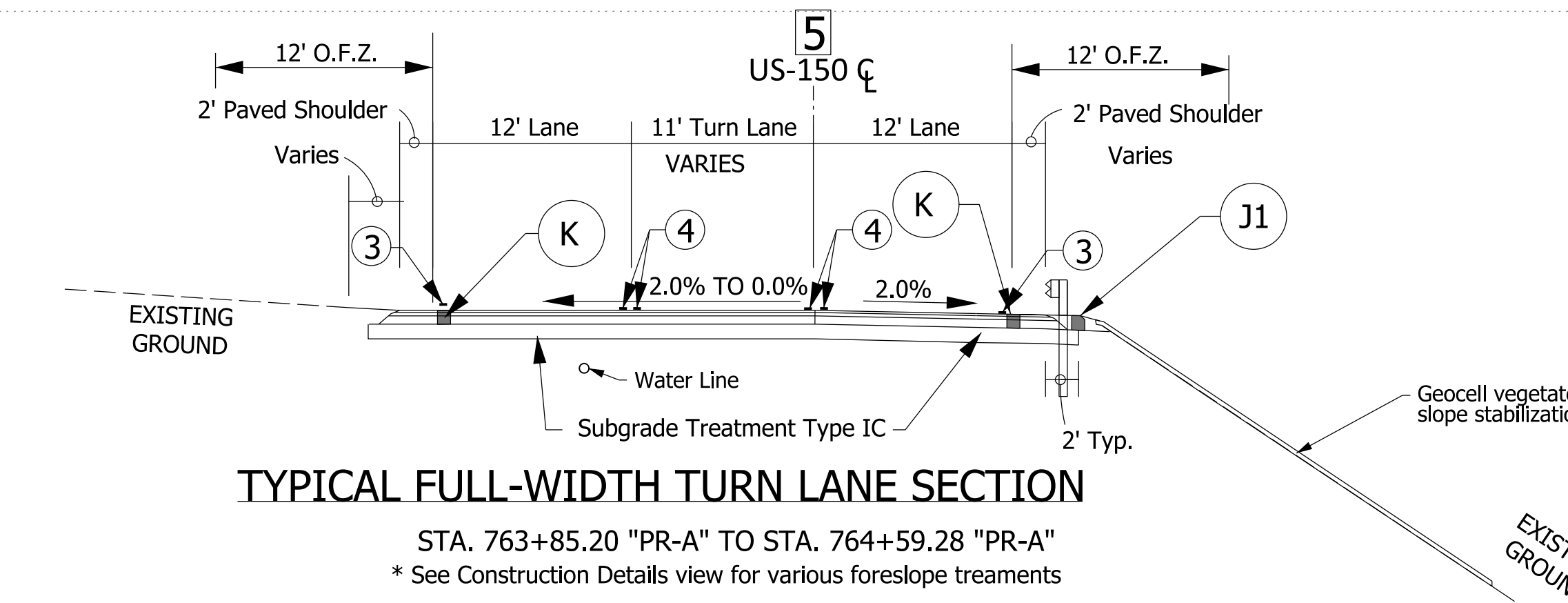
* See Construction Details view for various foreslope treatments



TYPICAL FULL-WIDTH TURN LANE SECTION

STA. 763+46.21 "PR-A" TO STA. 763+85.20 "PR-A"

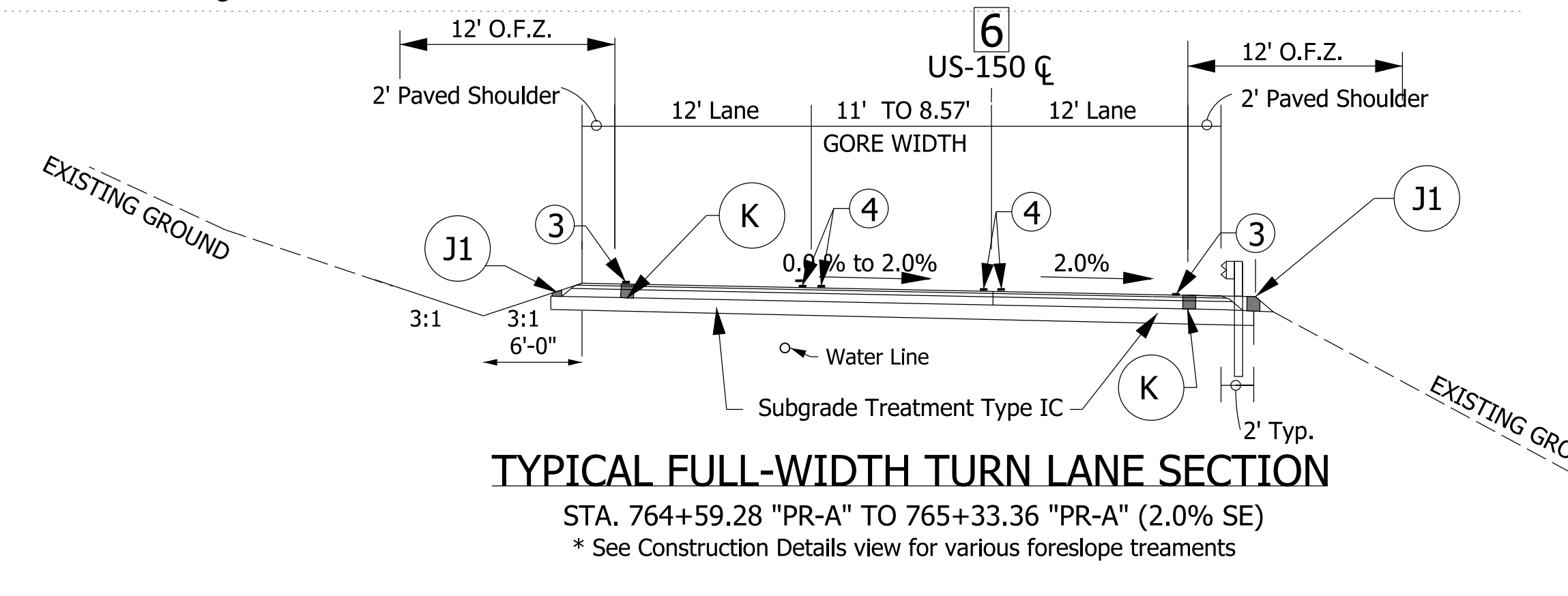
* See Construction Details view for various foreslope treatments



TYPICAL FULL-WIDTH TURN LANE SECTION

STA. 763+85.20 "PR-A" TO STA. 764+59.28 "PR-A"

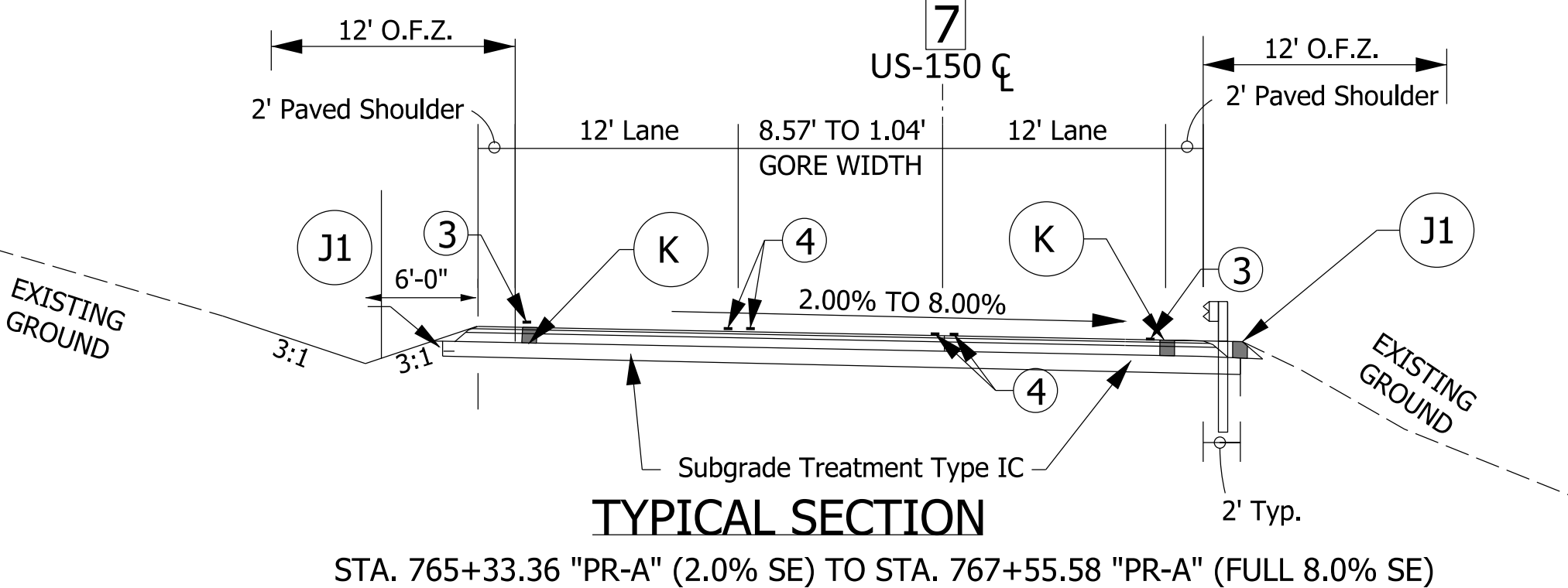
* See Construction Details view for various foreslope treatments



TYPICAL FULL-WIDTH TURN LANE SECTION

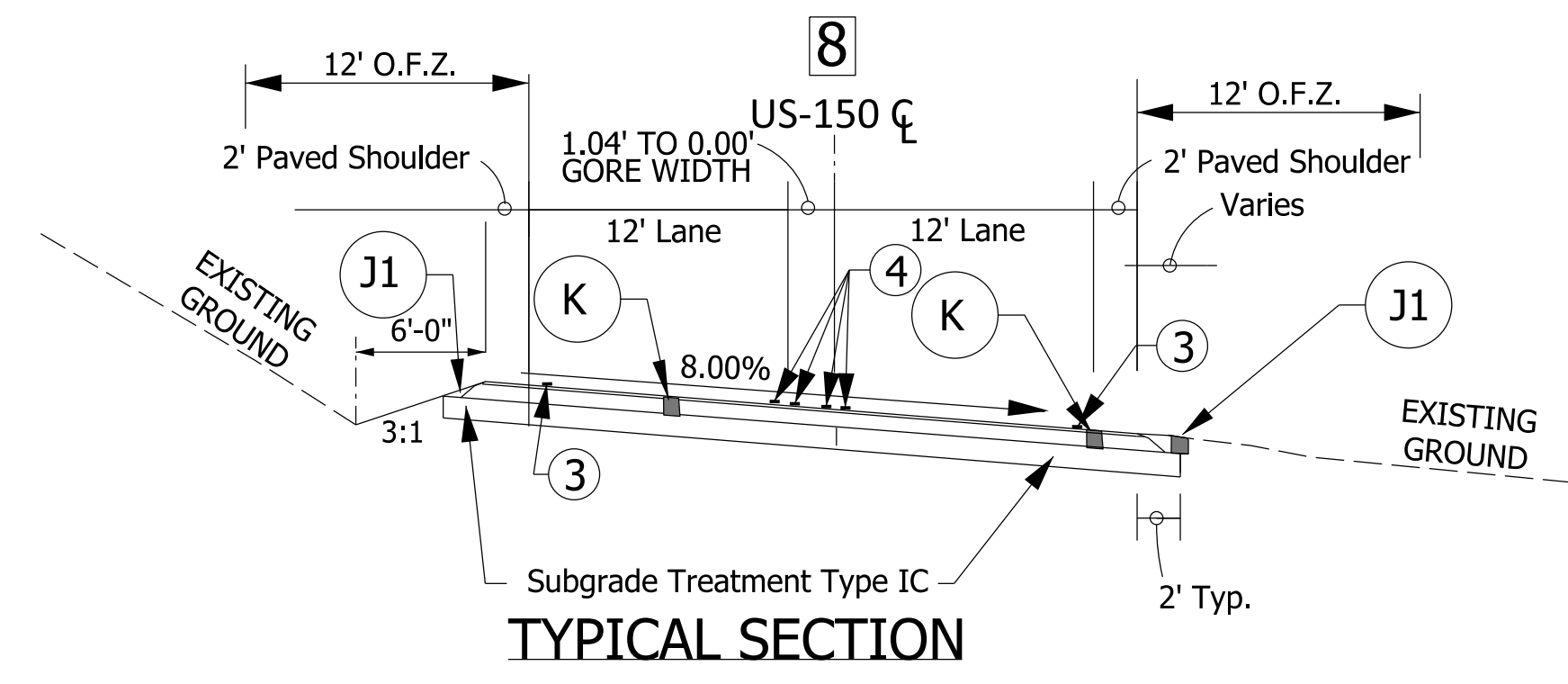
STA. 764+59.28 "PR-A" TO STA. 765+33.36 "PR-A" (2.0% SE)

* See Construction Details view for various foreslope treatments



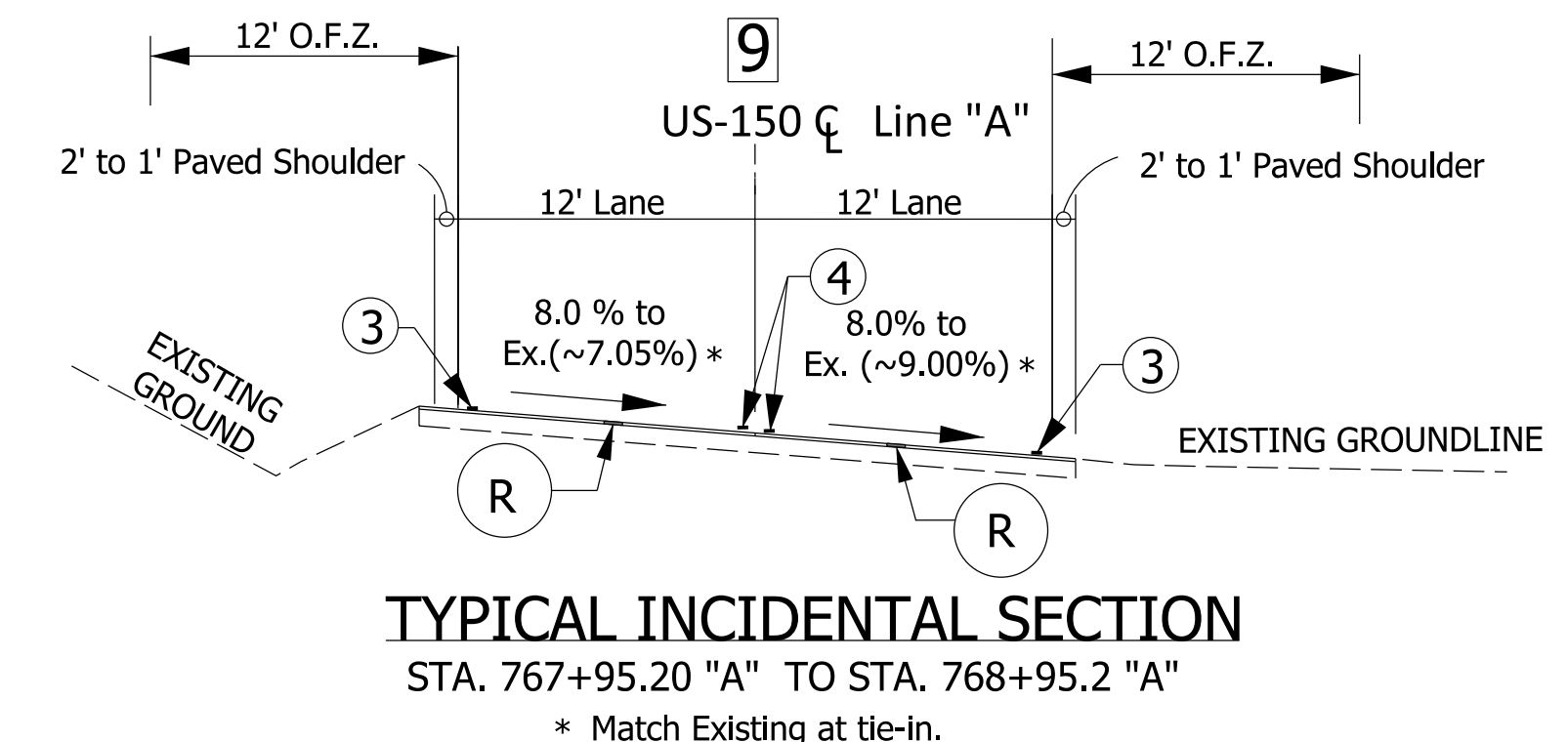
TYPICAL SECTION

STA. 765+33.36 "PR-A" (2.0% SE) TO STA. 767+55.58 "PR-A" (FULL 8.0% SE)



TYPICAL SECTION

STA. 767+55.58 "PR-A" TO STA. 767+95.2 "PR-A"



TYPICAL INCIDENTAL SECTION

STA. 767+95.20 "A" TO STA. 768+95.2 "A"

* Match Existing at tie-in.

- K** 165 LB/SYS QC/QA-HMA, 3, 70, SURFACE, 9.5 MM ON
275 LB/SYS QC/QA-HMA, 3, 70, INTERMEDIATE, 12.5 MM ON
660 LB/SYS QC/QA-HMA, 3, 70, BASE, 19 MM ON
SUBGRADE TREATMENT, TYPE IC
- J1** VARIABLE DEPTH COMPACTED
AGG. NO. 73 FOR SHOULDERS
- 3** Line, Thermoplastic, Solid, White, 6"
- 4** Line, Thermoplastic, Solid, Yellow, 6"
- R** 1-1/2" ASPHALT MILLING
165 LB/SYS QC/QA-HMA, 3, 70, SURFACE, 9.5 MM

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MLR 3/19/19	DRAWN: MLR 3/19/19	
CHECKED: MRS 3/20/19	CHECKED: MRS 3/20/19	

INDIANA
DEPARTMENT OF TRANSPORTATION

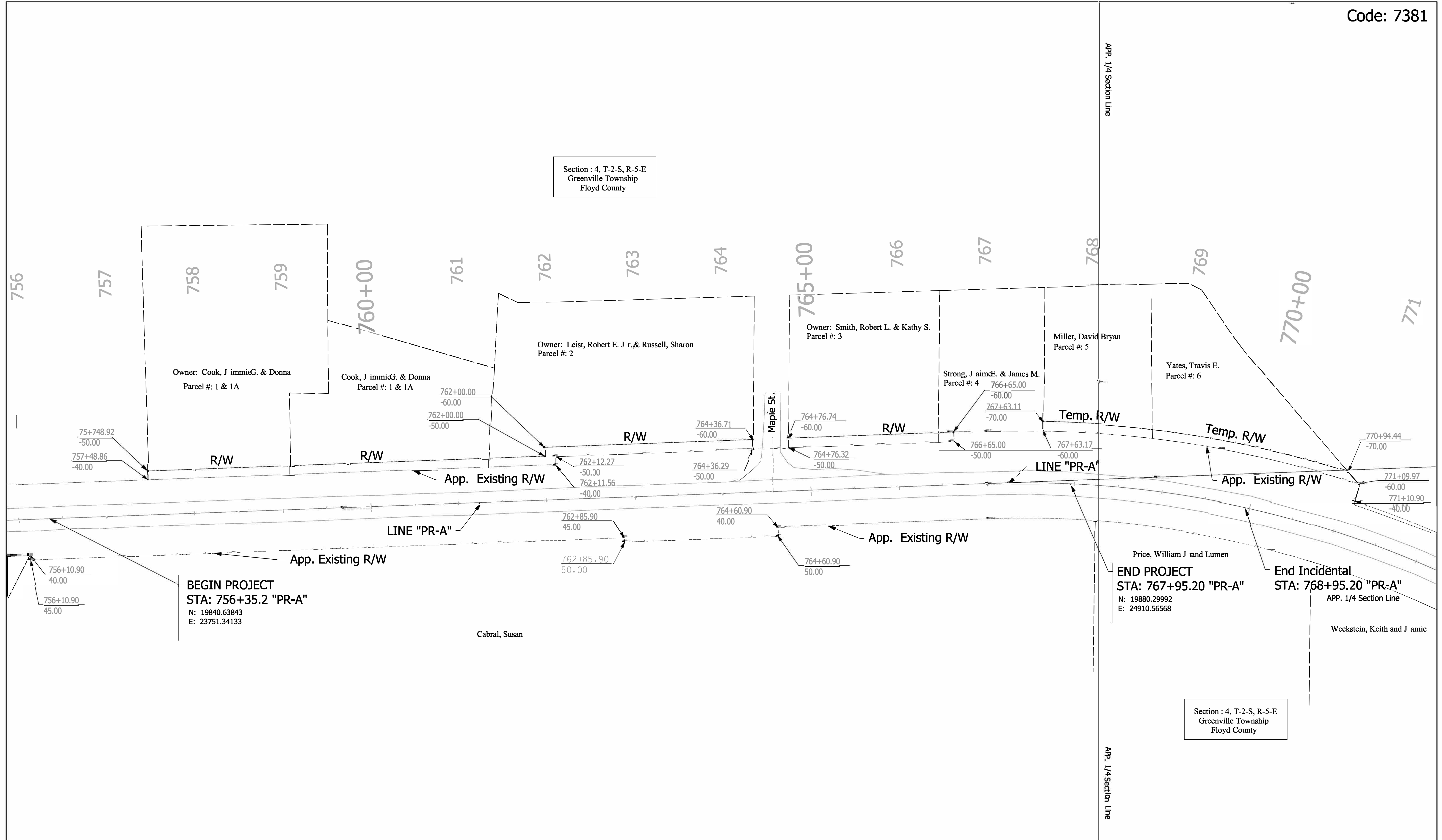
Typical Sections

SCALE	NTS
DESIGNATION	1700209
SHEETS	3 of 22
PROJECT	1700209
CONTRACT	R-40415

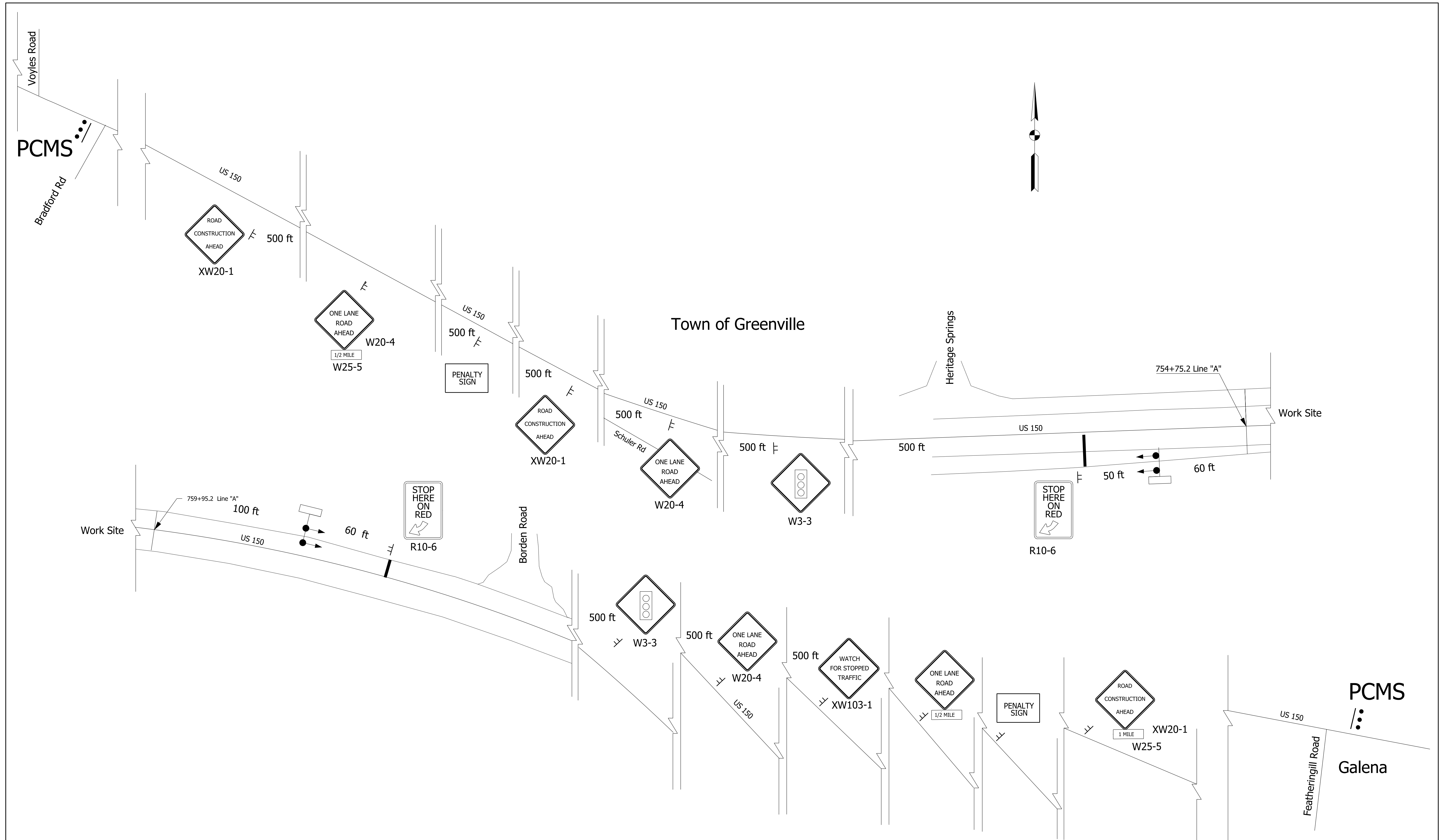
Note to Reviewer:

The profile grade is being adjusted to facilitate drainage and to help with Public Road Approach

Section : 4, T-2-S, R-5-E
Greenville Township
Floyd County

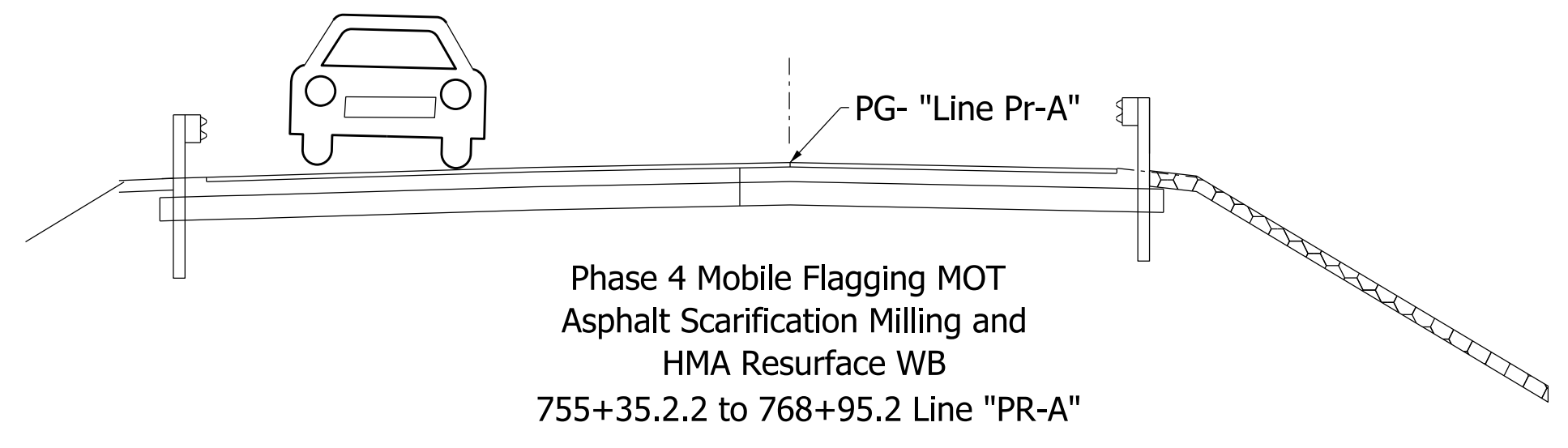
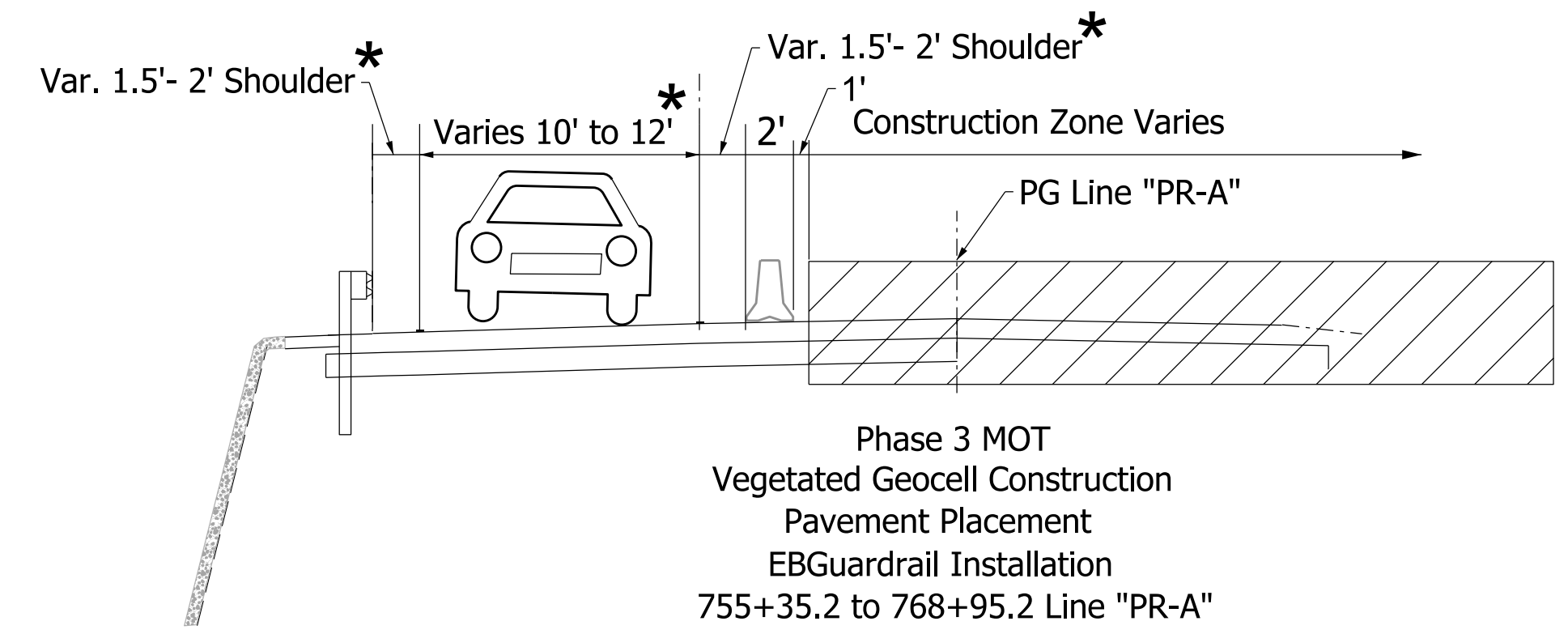
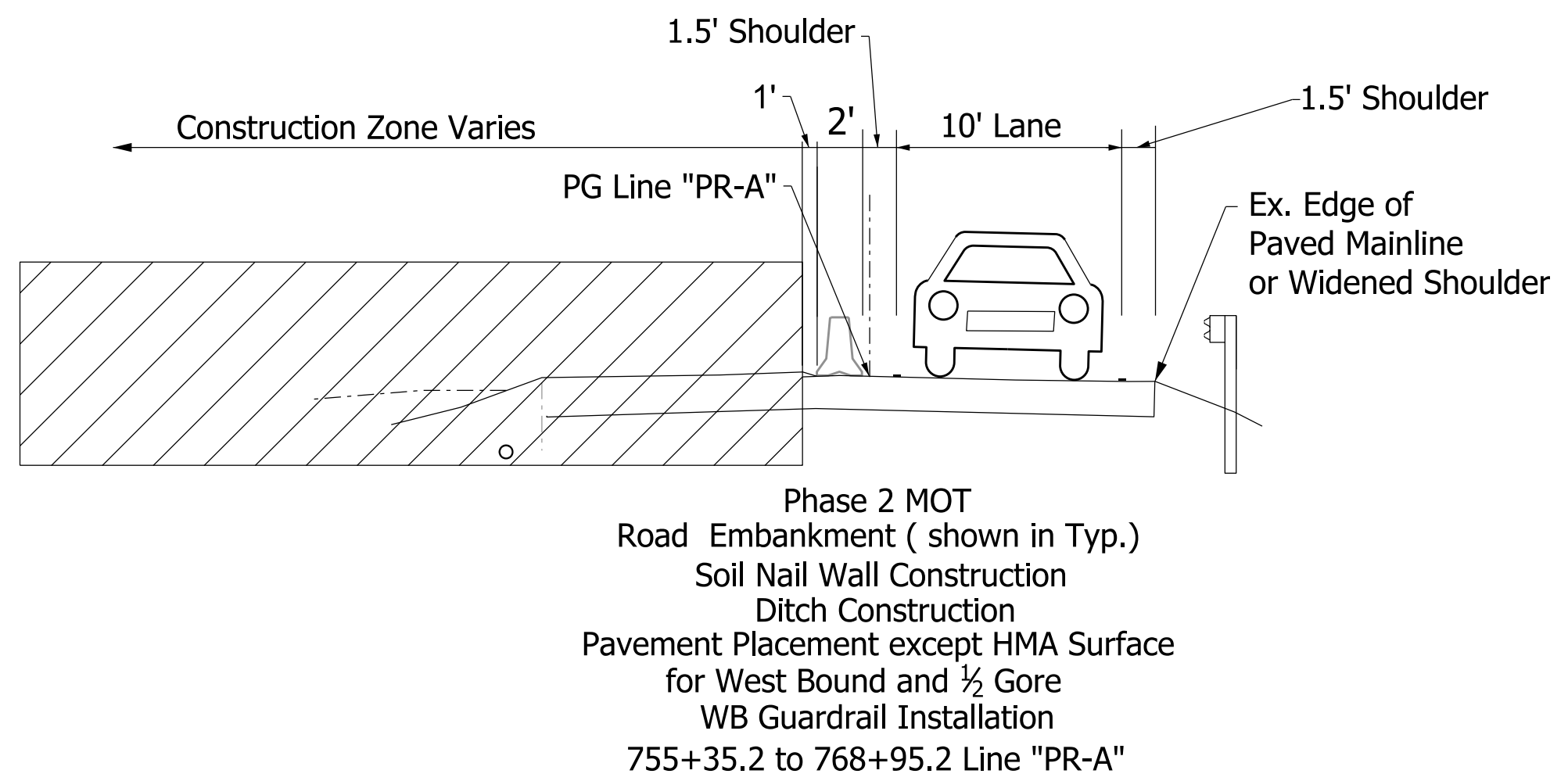
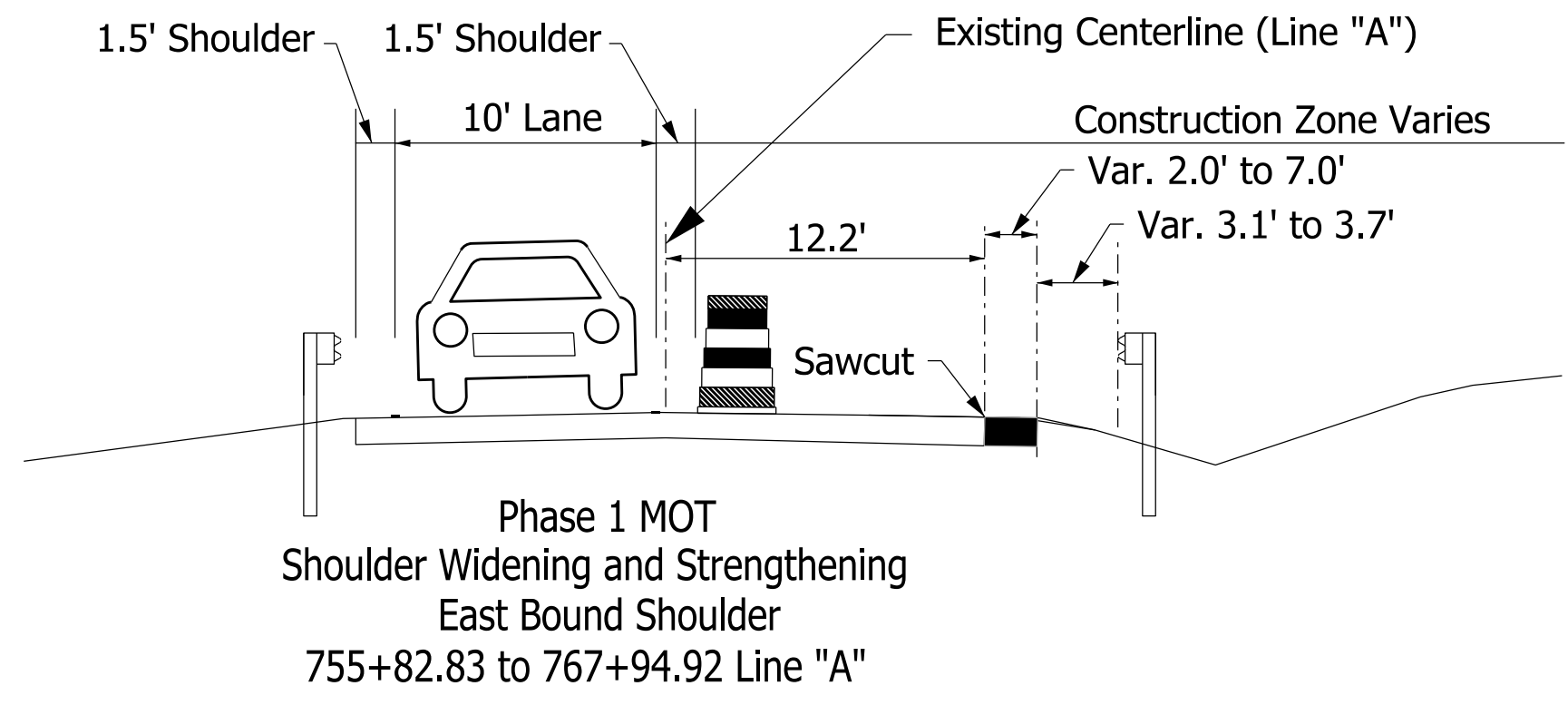


RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	INDIANA DEPARTMENT OF TRANSPORTATION	SCALE	BRIDGE FILE
	DESIGNED: JPT	DRAWN: JPT		1"=50'	DESIGNATION
	CHECKED: J MC	CHECKED: J MC		PLAT NO. 1	1700209
				SHEETS	
				4 of 22	
				CONTRACT	PROJECT
				R-40415	



10

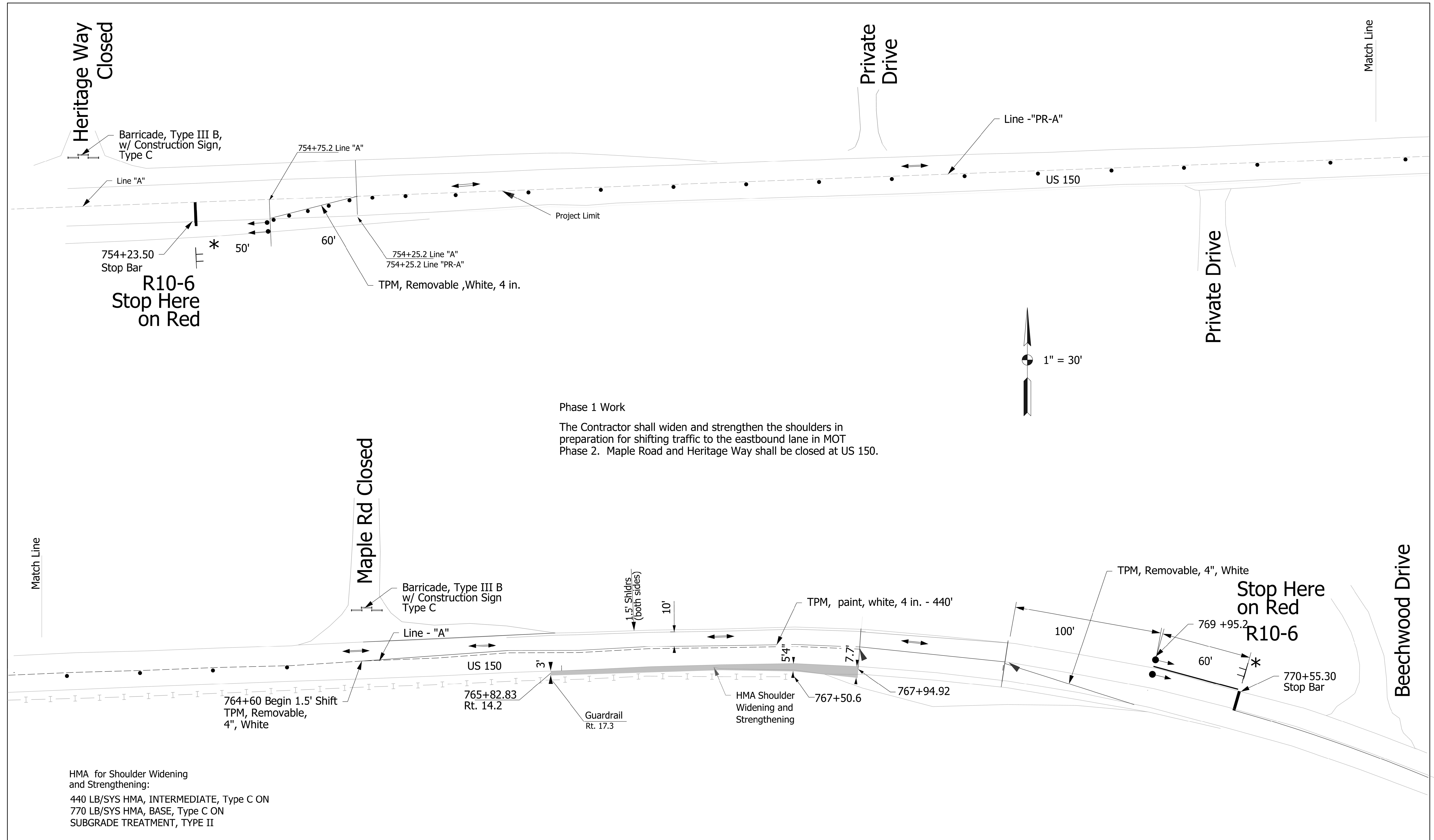
	RECOMMENDED FOR APPROVAL _____	INDIANA DEPARTMENT OF TRANSPORTATION	SCALE NTS	BRIDGE FILE
	DESIGNED: JPT		DRAWN: JPT	DESIGNATION 1700209
	CHECKED: JMC		CHECKED: JMC	SHEETS 5 of 22
		Maintenance of Traffic Advanced Warning Signs	CONTRACT R-40415	PROJECT 1700209



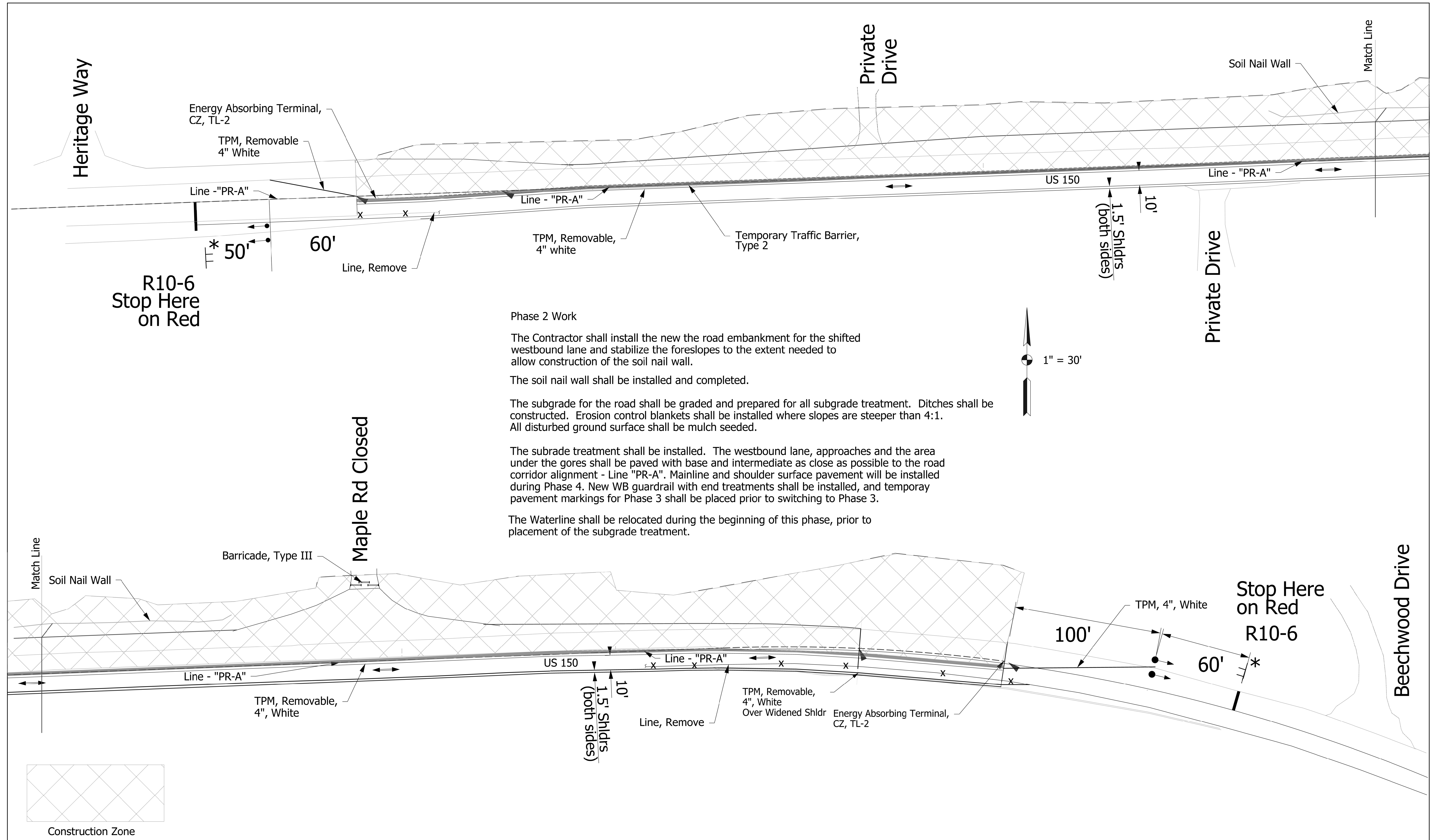
* Shoulders	MOT Lane	Limits
1.5'	10'	755+35.2 to 758+88.5 Line "PR-A"
1.5' - 2'	10' - 12'	758+88.5 to 759+65.4 Line "PR-A"
2'	12'	759+65.38 to 764+81.66 Line "PR-A"
1.5' - 2'	10' - 12'	764+88.66 to 766+28.31 Line "PR-A"
1.5'	10'	768+28.31 to 768+95.2 Line "PR-A"

Notes:
1. See Sheets 7 - 9 for MOT Phase Plan Views.

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION	SCALE 1"=10'	BRIDGE FILE
		DESIGNED: JPT	DESIGNATION 1700209
		CHECKED: JMC	SHEETS 6 of 22
DESIGNED: JPT	MAINTENANCE OF TRAFFIC	CONTRACT R-40415	PROJECT



RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION		BRIDGE FILE	
			DESIGNATION 1700209	
			SHEETS 7 of 22	
DESIGNED: JPT	DRAWN: JPT	Maintenance of Traffic Phase 1		PROJECT
CHECKED: JMC	CHECKED: JMC			R-40415



Phase 2 Work

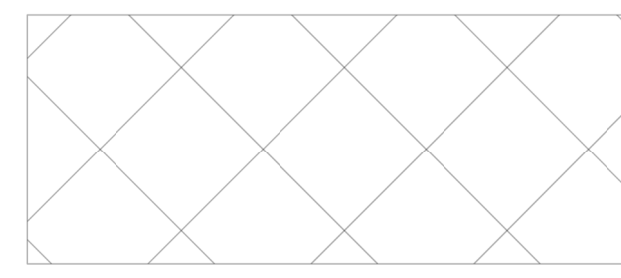
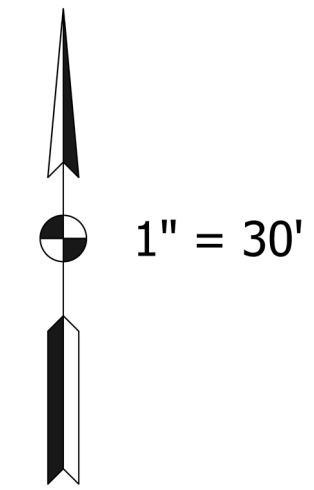
The Contractor shall install the new the road embankment for the shifted westbound lane and stabilize the foreslopes to the extent needed to allow construction of the soil nail wall.

The soil nail wall shall be installed and completed.

The subgrade for the road shall be graded and prepared for all subgrade treatment. Ditches shall be constructed. Erosion control blankets shall be installed where slopes are steeper than 4:1. All disturbed ground surface shall be mulch seeded.

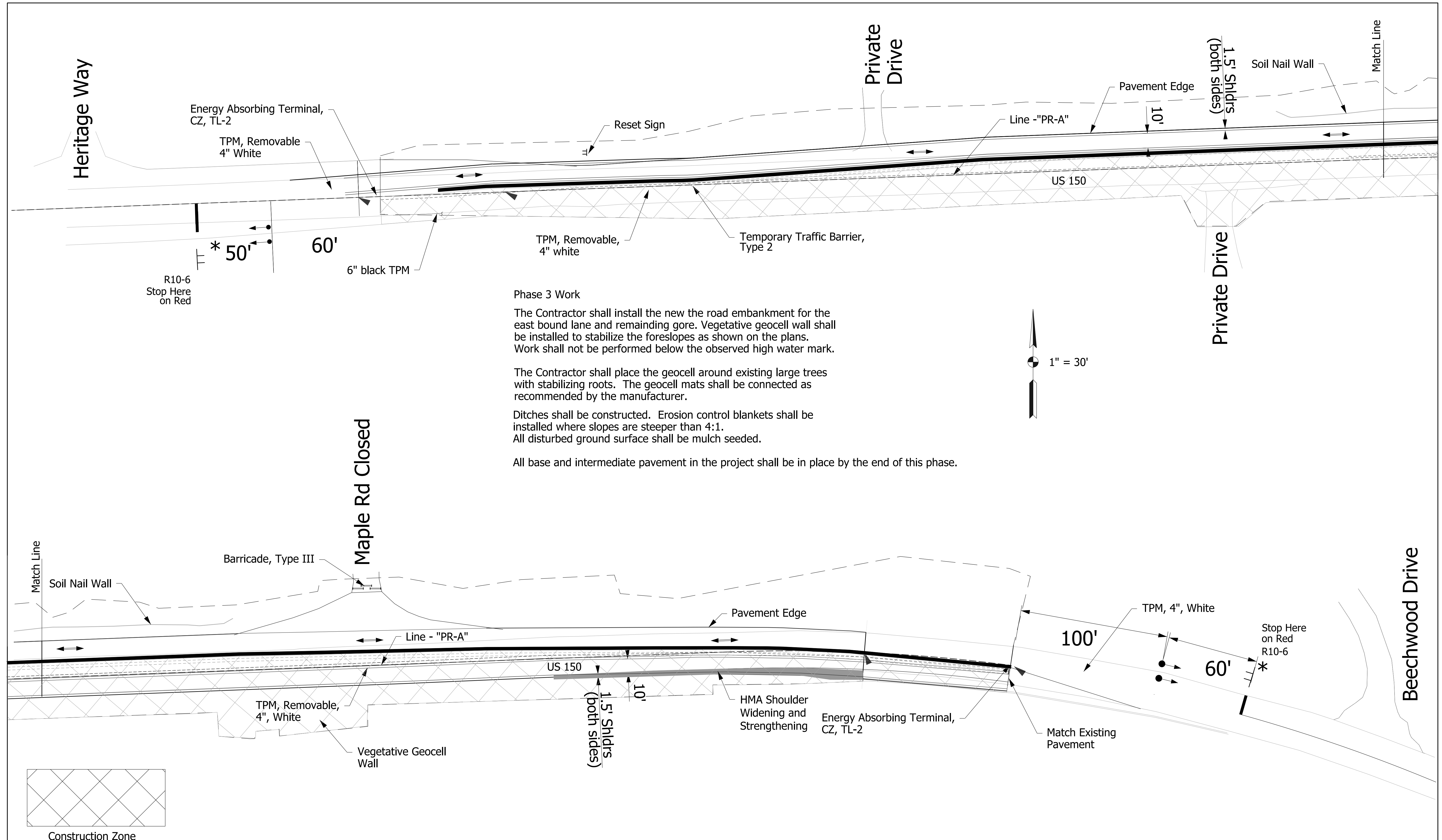
The subgrade treatment shall be installed. The westbound lane, approaches and the area under the gores shall be paved with base and intermediate as close as possible to the road corridor alignment - Line "PR-A". Mainline and shoulder surface pavement will be installed during Phase 4. New WB guardrail with end treatments shall be installed, and temporary pavement markings for Phase 3 shall be placed prior to switching to Phase 3.

The Waterline shall be relocated during the beginning of this phase, prior to placement of the subgrade treatment.



Construction Zone

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION Maintenance of Traffic Phase 2		BRIDGE FILE
			DESIGNATION 1700209
			SHEETS 8 of 22 PROJECT
DESIGNED: JPT DRAWN: JPT CHECKED: JMC	DATE: _____ DATE: _____ DATE: _____	R-40415	



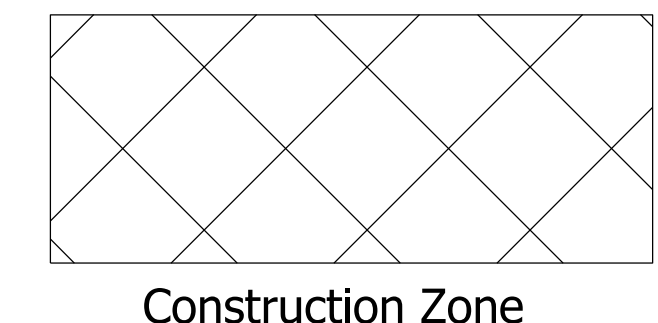
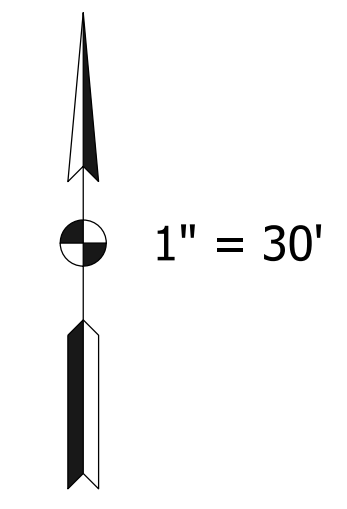
Phase 3 Work

The Contractor shall install the new the road embankment for the east bound lane and remaining gore. Vegetative geocell wall shall be installed to stabilize the foreslopes as shown on the plans. Work shall not be performed below the observed high water mark.

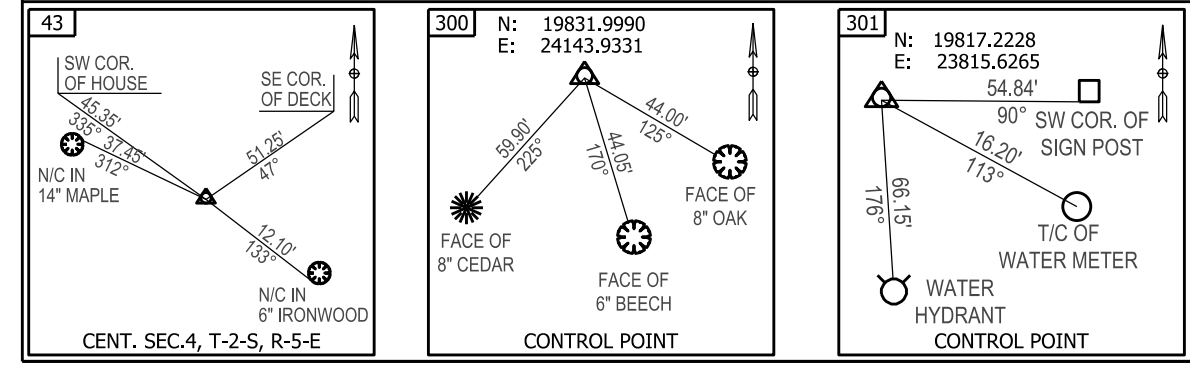
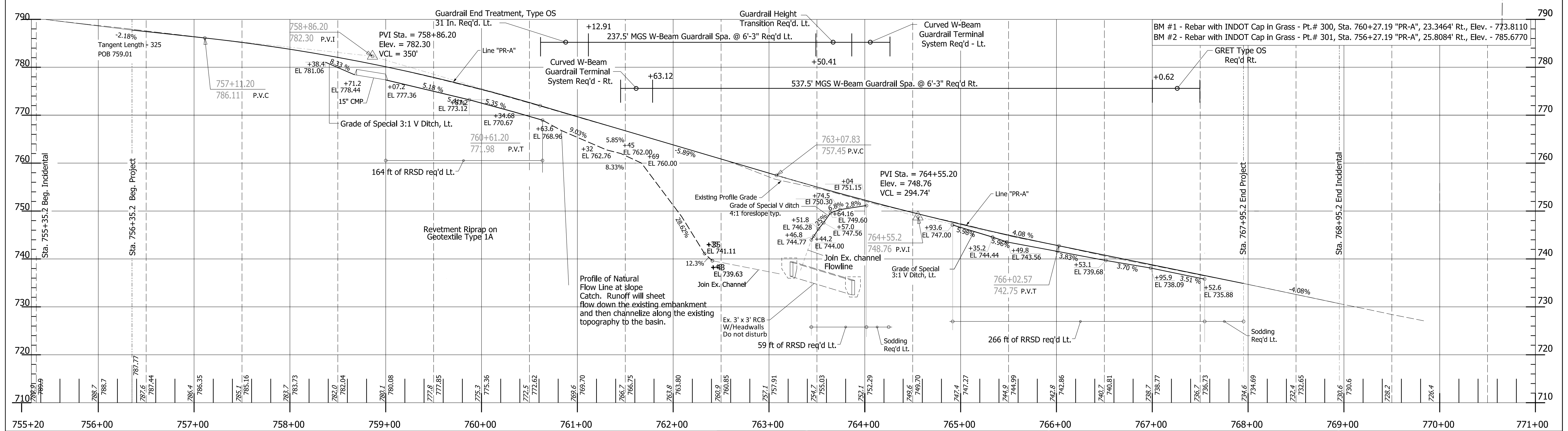
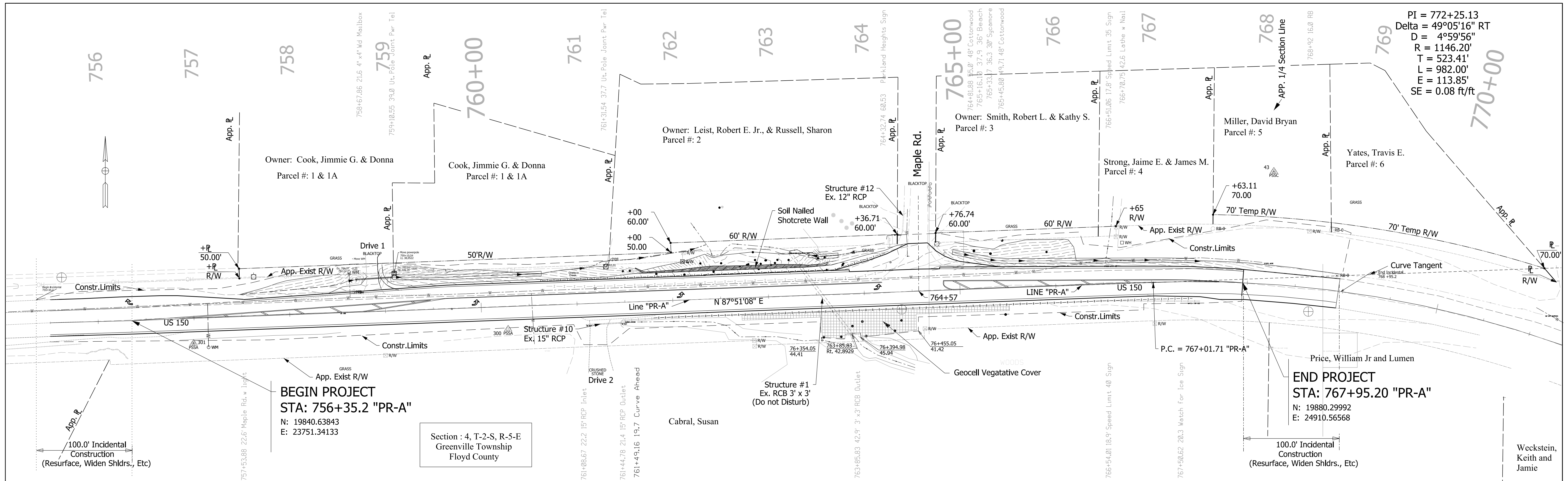
The Contractor shall place the geocell around existing large trees with stabilizing roots. The geocell mats shall be connected as recommended by the manufacturer.

Ditches shall be constructed. Erosion control blankets shall be installed where slopes are steeper than 4:1. All disturbed ground surface shall be mulch seeded.

All base and intermediate pavement in the project shall be in place by the end of this phase.



	RECOMMENDED FOR APPROVAL _____	INDIANA DEPARTMENT OF TRANSPORTATION	BRIDGE FILE
	DESIGNED: JPT DRAWN: JPT		DESIGNATION 1700209
	CHECKED: JMC CHECKED: JMC		SHEETS 9 of 22
		Maintenance of Traffic Phase 3	PROJECT
			R-40415

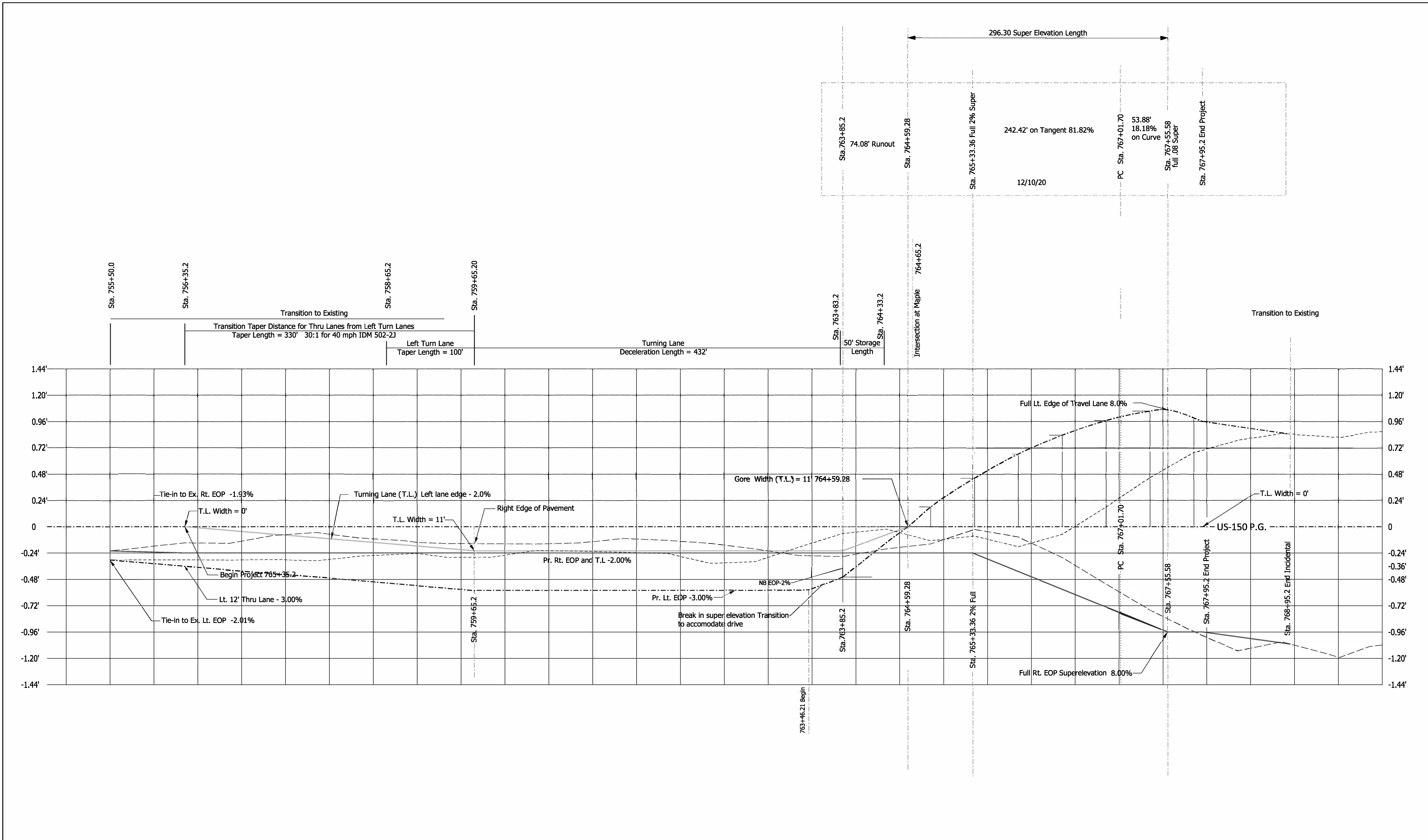


RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MLR 3/19/19	DRAWN: MLR 3/19/19	
CHECKED: MRS 3/20/19	CHECKED: MRS 3/20/19	

INDIANA DEPARTMENT OF TRANSPORTATION

Plan and Profile Line 'PR-A'

SCALE	1" = 45'
DESIGNATION	1700209
SHEETS	10 of 22
CONTRACT	R-40415
PROJECT	1700209



RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	INDIANA DEPARTMENT OF TRANSPORTATION	SCALE	NTS	
	DESIGNED: JPT	DRAWN: JPT		Superelevation Diagram	DESIGNATION	1700209
	CHECKED: MRS	CHECKED: MRS			SHEETS	11 of 22
				CONTRACT	R-40415	
				PROJECT	1700209	

756

757

758

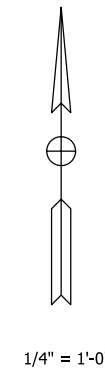
759

760+00

761

762

763



App. R.L

Owner: Cook, Jimmie G. & Donna
Parcel #: 1 & 1A

App. R.L

Cook, Jimmie G. & Donna
Parcel #: 1 & 1A

App. R.L

Owner: Leist, Robert E. Jr.,
& Russell, Sharon
Parcel #: 2

Move Water Meter
758+63.55
Lt. 42.1009

Move Ex. Utility Pole
759+10.54
Lt. 38.9522

50' R/W

+00
60.00'
+00
50.00'

Soil Nailed
Shotcrete Wall

60' R/W

Begin Project
756+35.2

Begin Incidental
755+35.2

US 150

N 87°51'08" E

App. Exist R/W

**BEGIN PROJECT
STA: 756+35.2 "PR-A"**

N: 19840.63843
E: 23751.34133

Section : 4, T-2-S, R-5-E
Greenville Township
Floyd County

100.0' Incidental
Construction
(Resurface, Widen Shldr., Etc)

(K) 165 LB/SYS QC/QA-HMA, 3, 70, SURFACE, 9.5 MM ON
275 LB/SYS QC/QA-HMA, 3, 70, INTERMEDIATE, 12.5 MM ON
660 LB/SYS QC/QA-HMA, 3, 70, BASE, 19 MM ON
SUBGRADE TREATMENT, TYPE IC

(J) 1-1/2" ASPHALT MILLING
165 LB/SYS QC/QA-HMA, 3, 70, SURFACE, 9.5 MM

(J1) VARIABLE DEPTH COMPACTED
AGG. NO. 53 FOR SHOULDERS

(D) APPROACH HMA
165 LB/SYS HMA, C, SURFACE, 9.5 MM
440 LB/SYS HMA, C, INTERMEDIATE, 12.5 MM
660 LB/SYS HMA, C, BASE, 19 MM
on Subgrade Treatment Type II

(T) DECIDUOUS TREES TO BE REMOVED

RECOMMENDED FOR APPROVAL _____
DESIGN ENGINEER DATE

DESIGNED: JPT 7/27/22 DRAWN: JPT 7/27/22

CHECKED: MRS CHECKED: MRS

INDIANA
DEPARTMENT OF TRANSPORTATION

Construction Details
for Utility

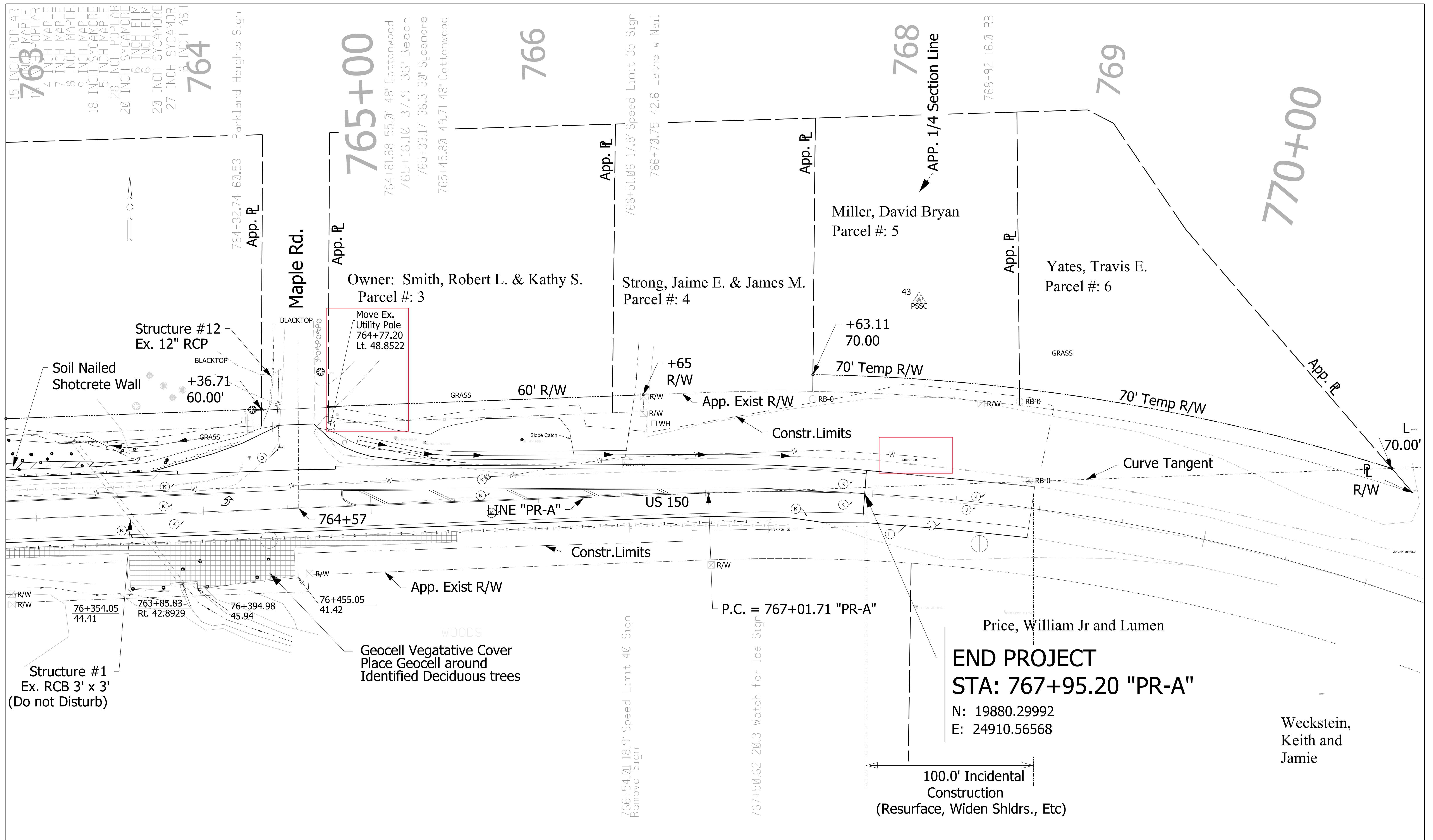
SCALE
1/4" = 1'-0"

DESIGNATION
1700209

SHEETS
12 of 22

CONTRACT
R-40415

PROJECT
1700209



(K) 165 LB/SYS QC/QA-HMA, 3, 70, SURFACE, 9.5 MM ON
 275 LB/SYS QC/QA-HMA, 3, 70, INTERMEDIATE, 12.5 MM ON
 660 LB/SYS QC/QA-HMA, 3, 70, BASE, 19 MM ON
 SUBGRADE TREATMENT, TYPE IC

(J) 1-1/2" ASPHALT MILLING
 165 LB/SYS QC/QA-HMA, 3, 70, SURFACE, 9.5 MM

(J1) VARIABLE DEPTH COMPACTED
 AGG. NO. 53 FOR SHOULDERS

(D) APPROACH HMA
 165 LB/SYS HMA, C, SURFACE, 9.5 MM
 440 LB/SYS HMA, C, INTERMEDIATE, 12.5 MM
 660 LB/SYS HMA, C, BASE, 19 MM
 on Subgrade Treatment Type II

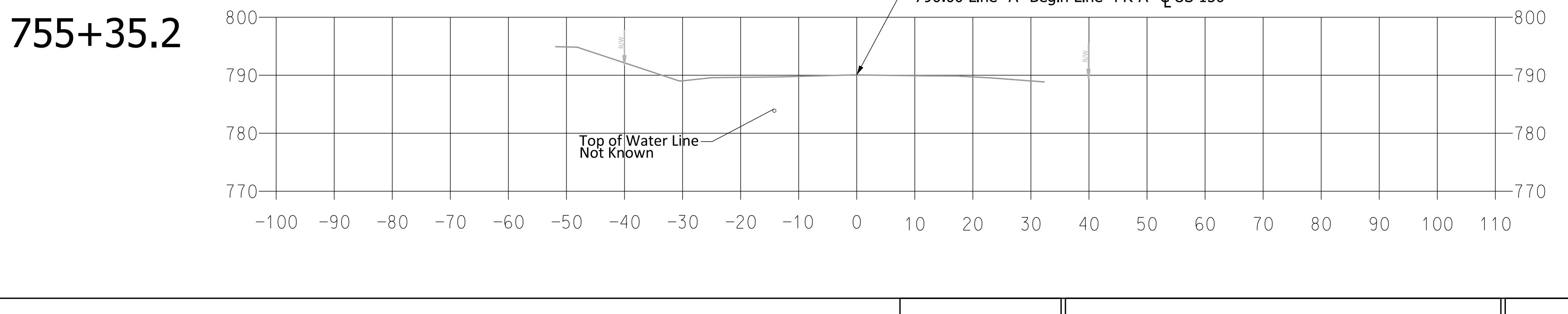
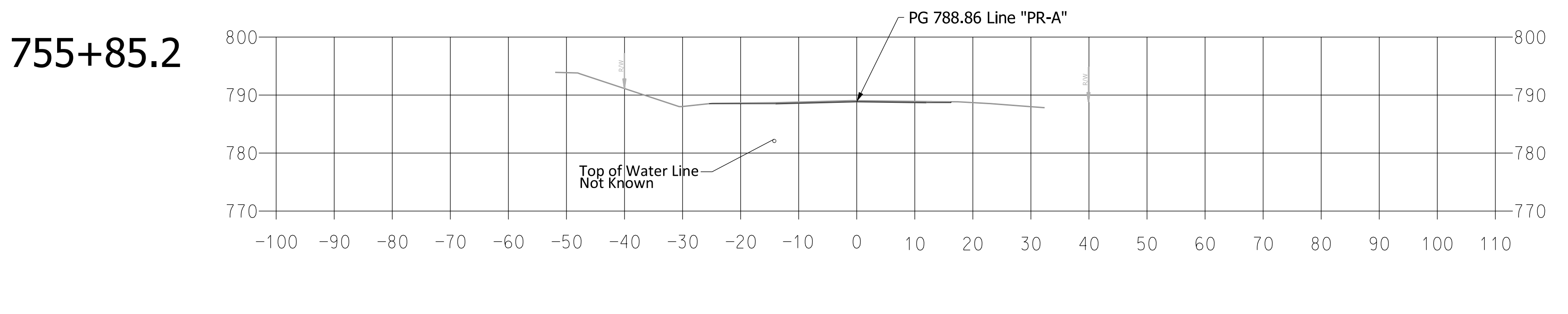
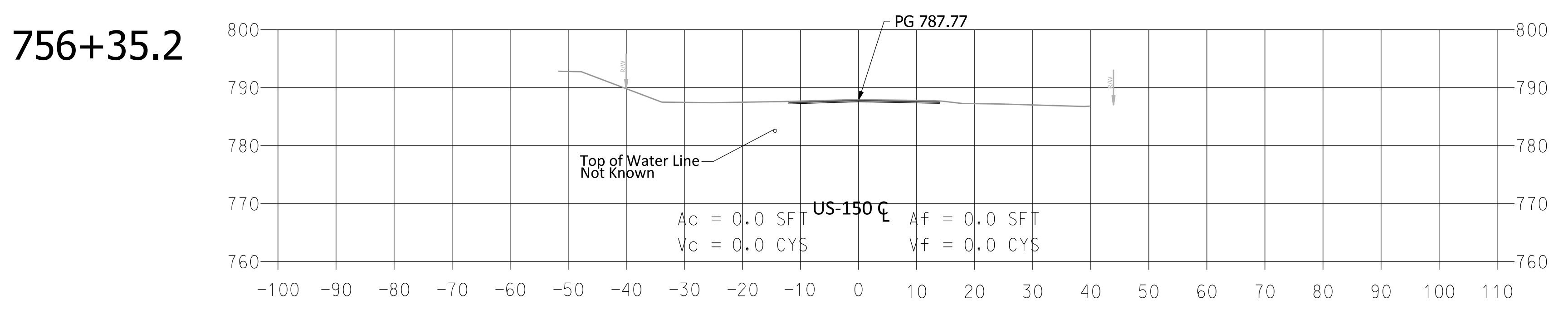
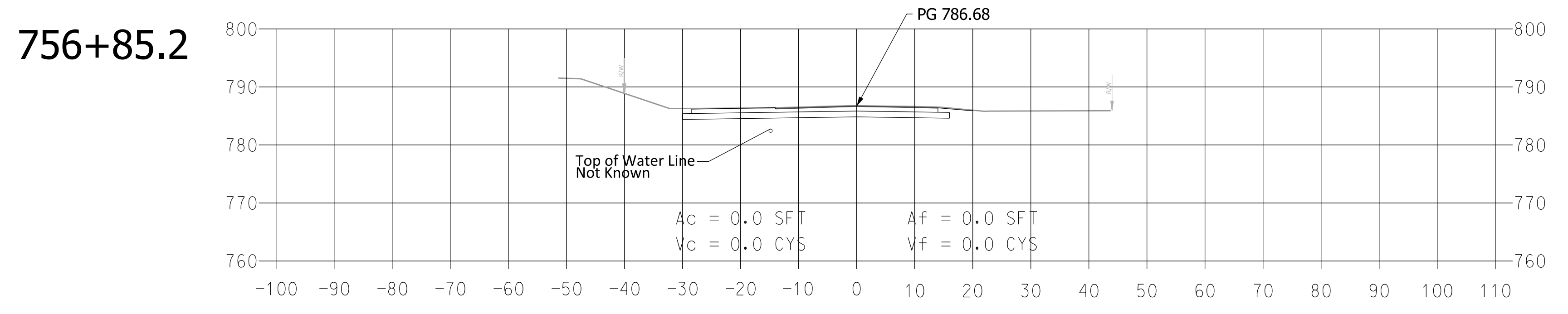
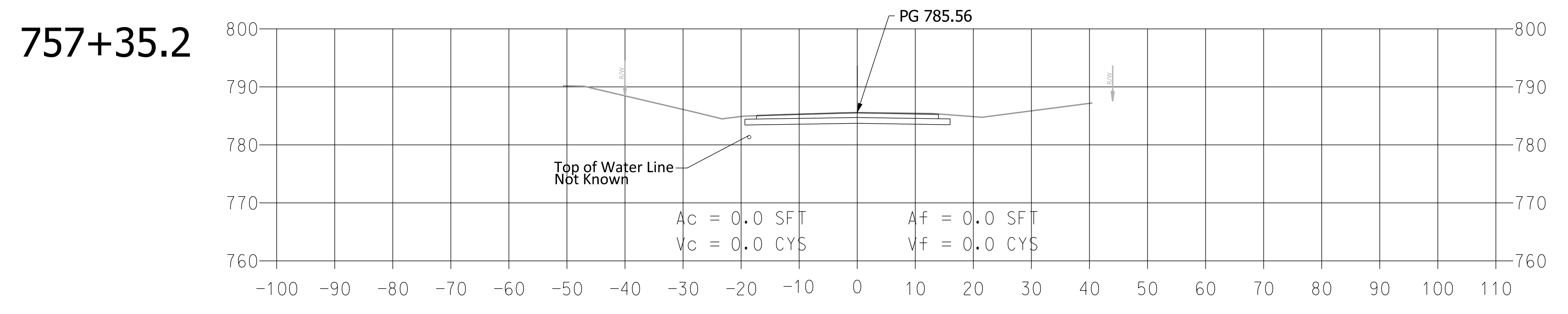
(T) DECIDUOUS TREES TO BE REMOVED

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JPT 7/27/22	DRAWN: JPT 7/27/22	
CHECKED: MRS	CHECKED: MRS	

INDIANA
 DEPARTMENT OF TRANSPORTATION

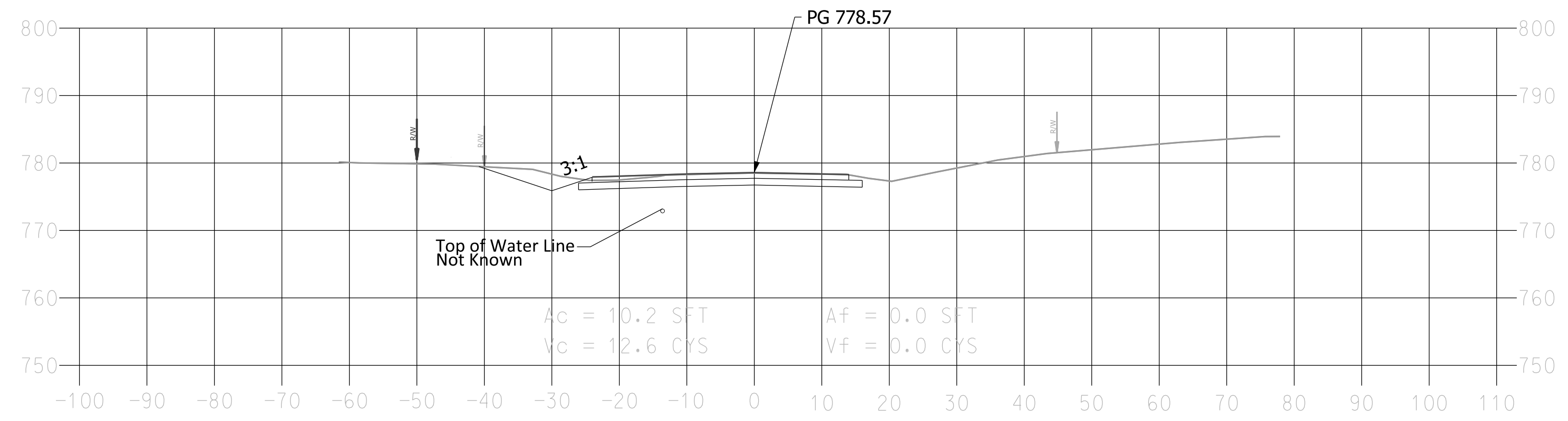
Construction Details
 for Utility

SCALE	1/4" = 1'-0"
DESIGNATION	1700209
SHEETS	13 of 22
CONTRACT	R-40415
PROJECT	1700209

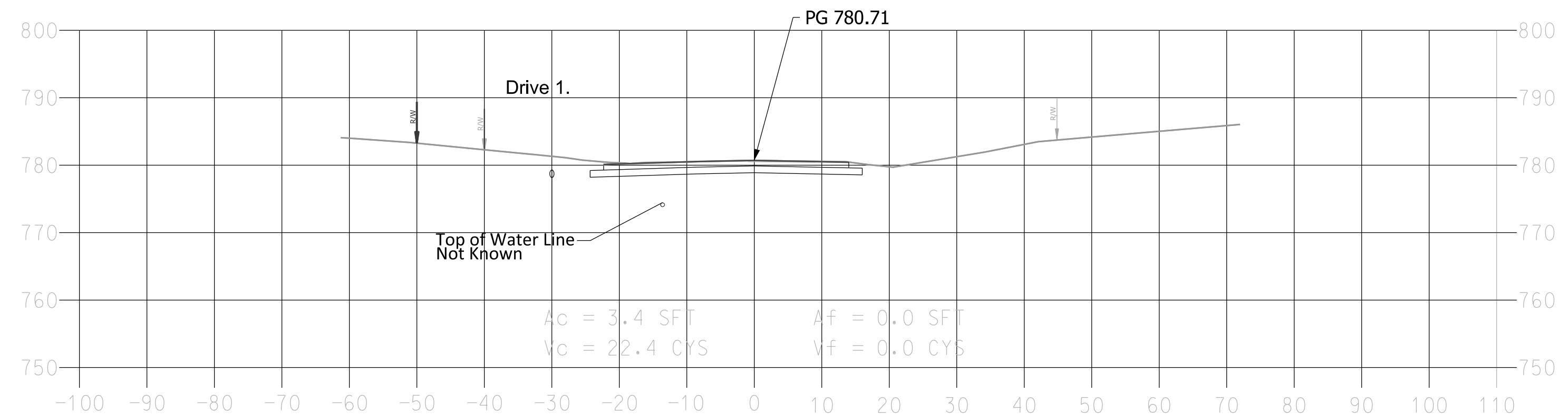


RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION		SCALE 1" = 15'
			DESIGNATION 1700209
DESIGNED: MLR 3/19/19 DRAWN: MLR 3/19/19	Cross Sections		SHEETS 15 of 22
CHECKED: MRS 3/20/19 CHECKED: MRS 3/20/19			CONTRACT R-40415

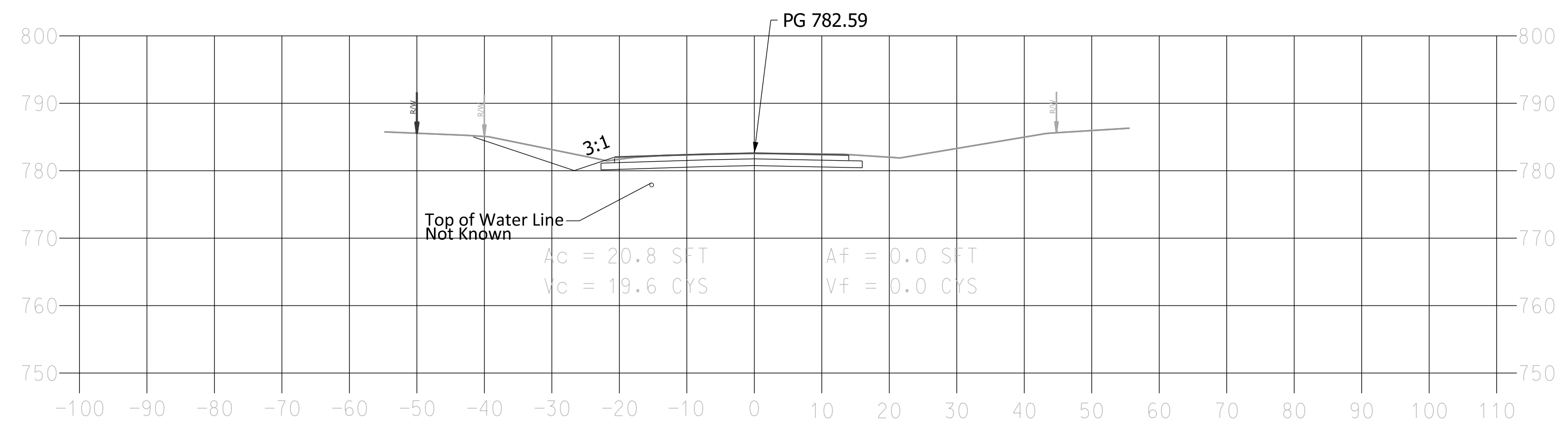
759+35.2



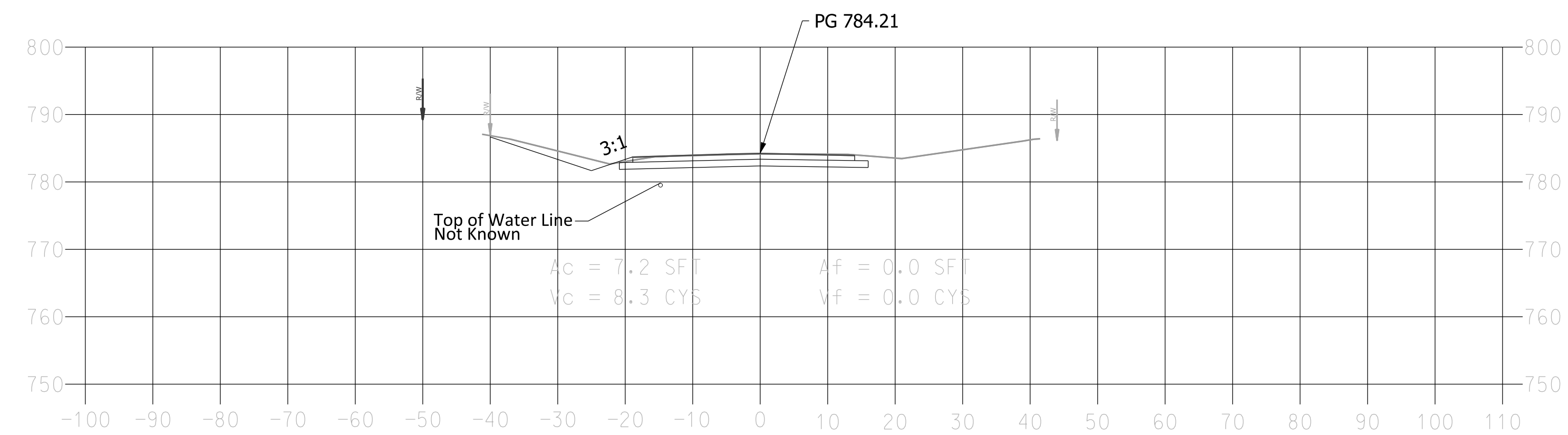
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758+35.2



757+85.2



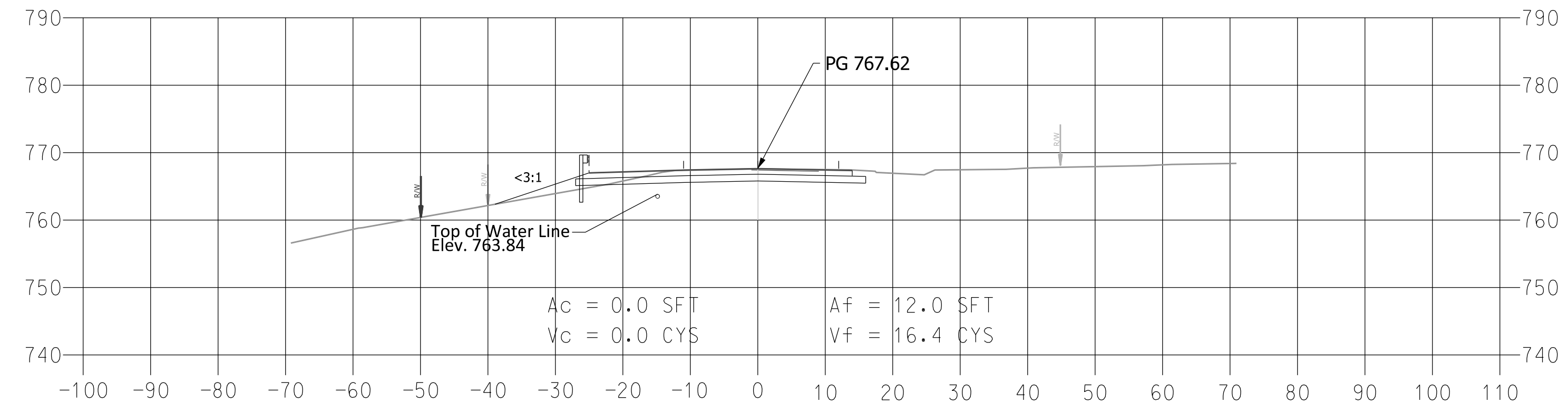
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MLR 3/19/19	DRAWN: MLR 3/19/19	
CHECKED: MRS 3/20/19	CHECKED: MRS 3/20/19	

INDIANA DEPARTMENT OF TRANSPORTATION

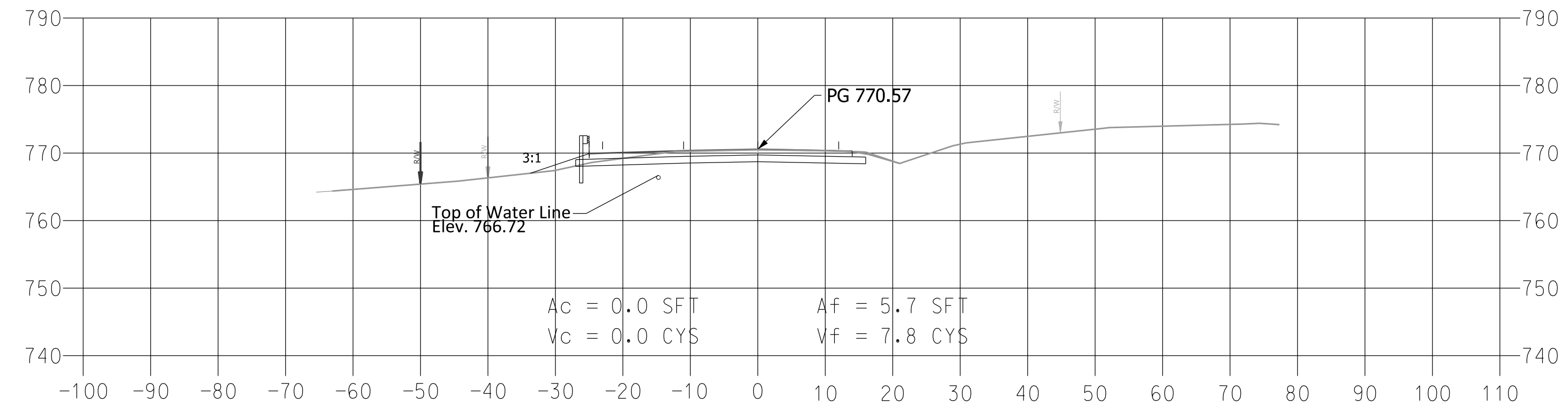
Cross Sections

SCALE	1" = 15'
DESIGNATION	1700209
SHEETS	16 of 22
CONTRACT	R-40415
PROJECT	1700209

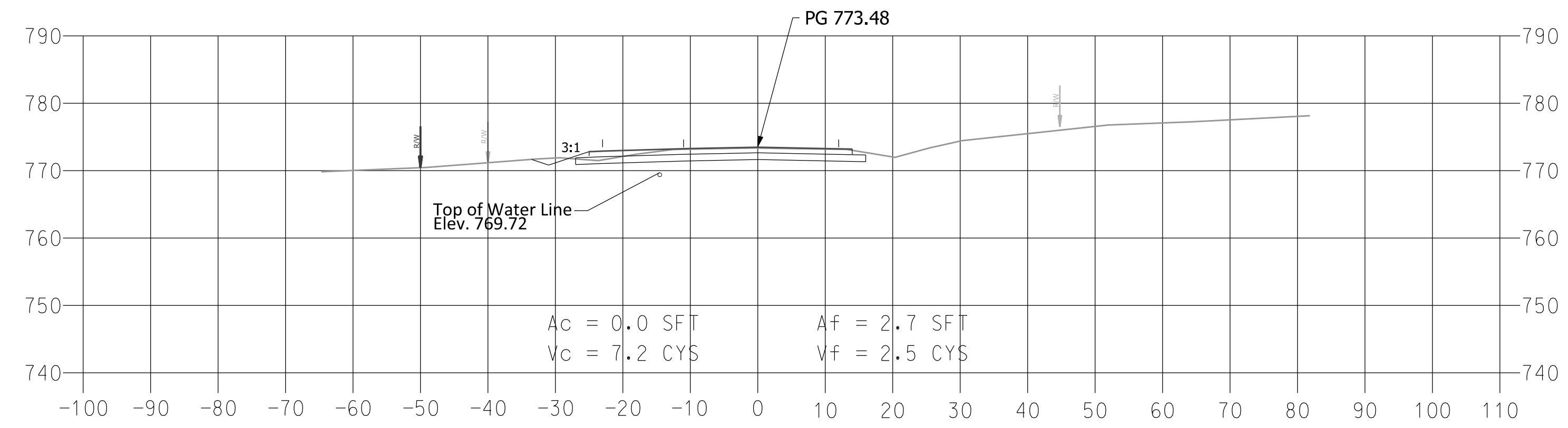
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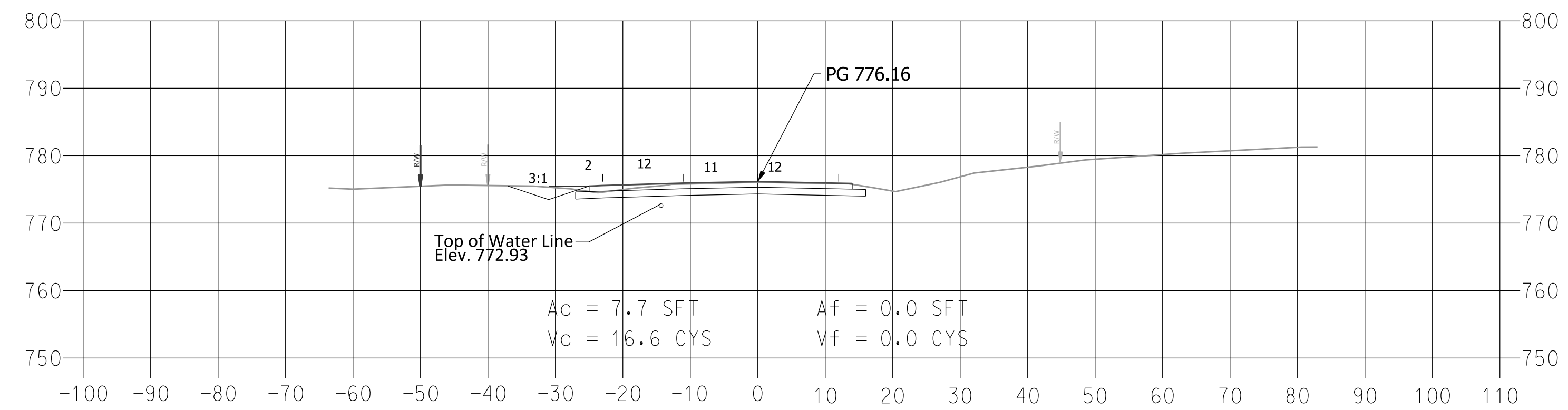
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760+35.2



759+85.2



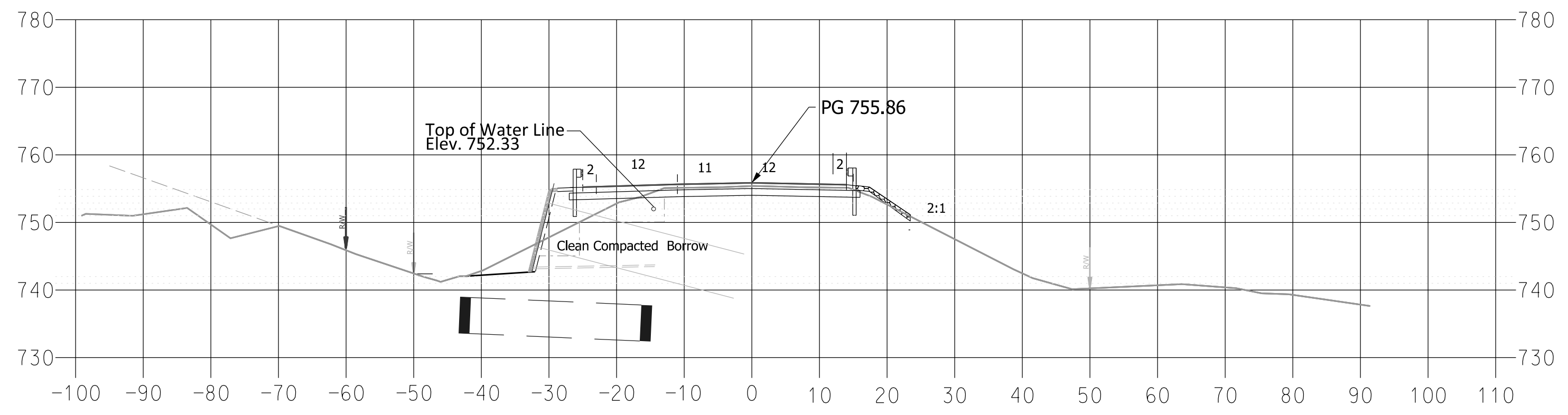
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MLR 3/19/19	DRAWN: MLR 3/19/19	
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INDIANA
DEPARTMENT OF TRANSPORTATION

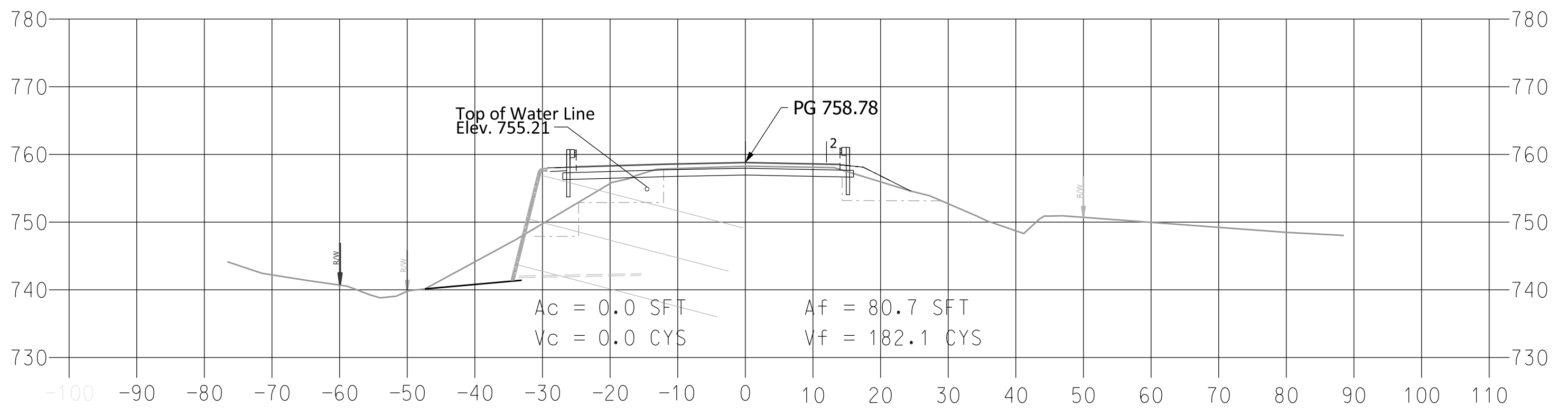
Cross Sections

SCALE 1" = 15'	DESIGNATION 1700209
SHEETS 17 of 22	
CONTRACT R-40415	PROJECT 1700209

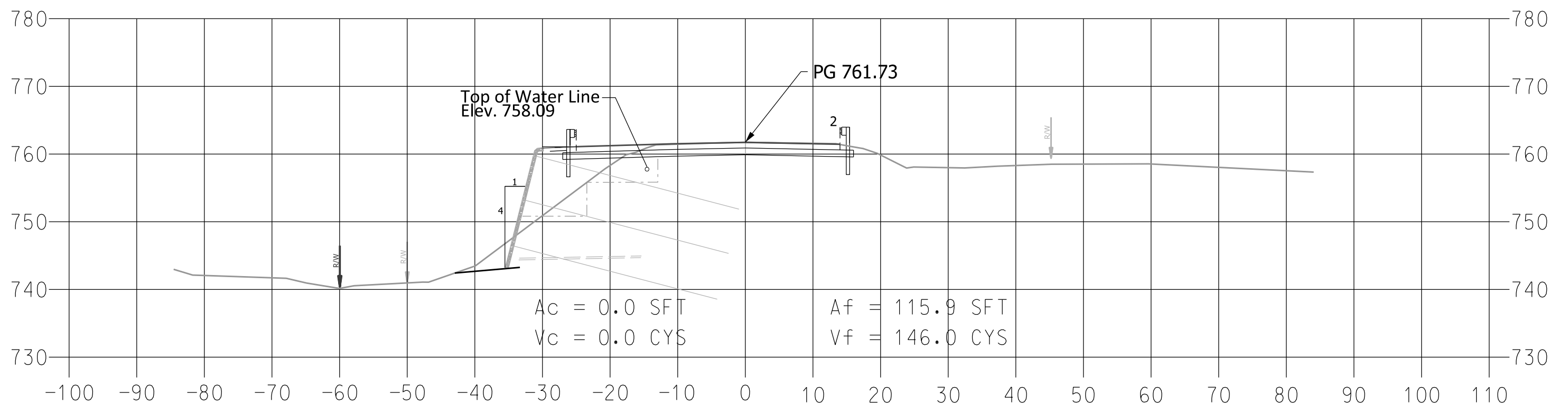
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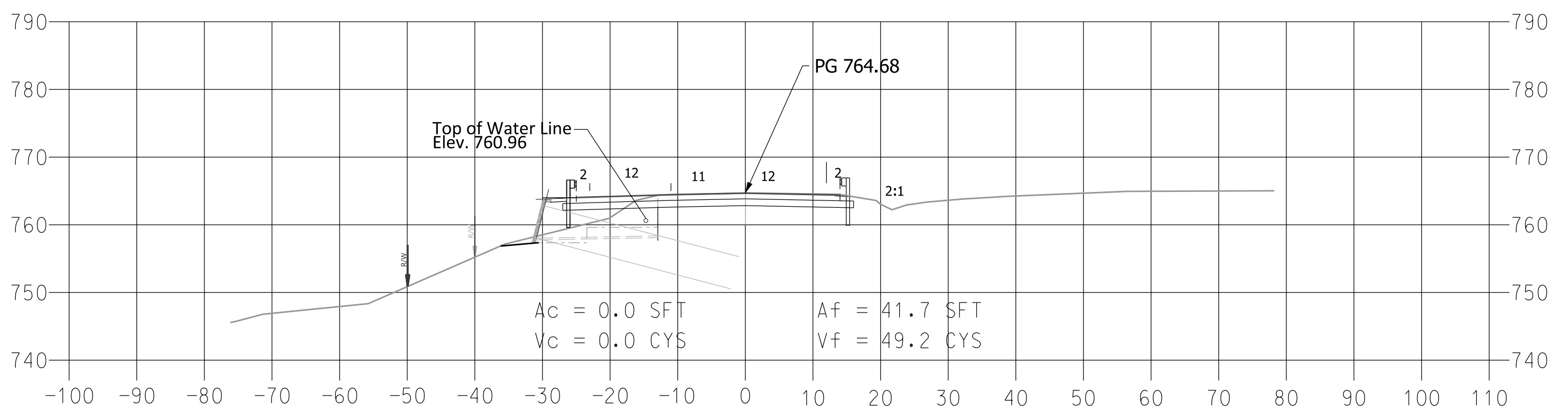
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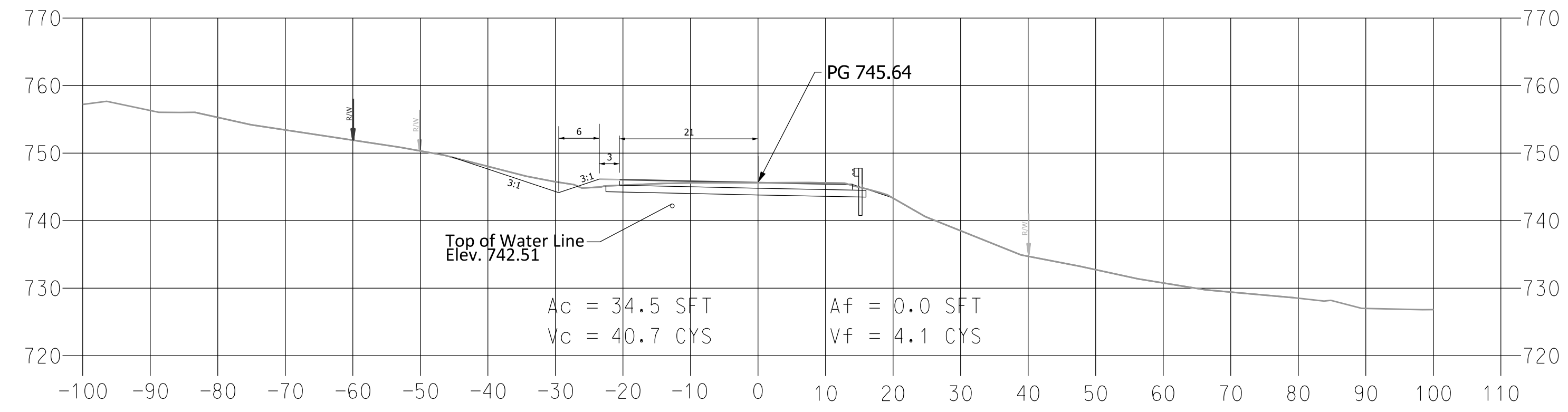
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INDIANA
DEPARTMENT OF TRANSPORTATION

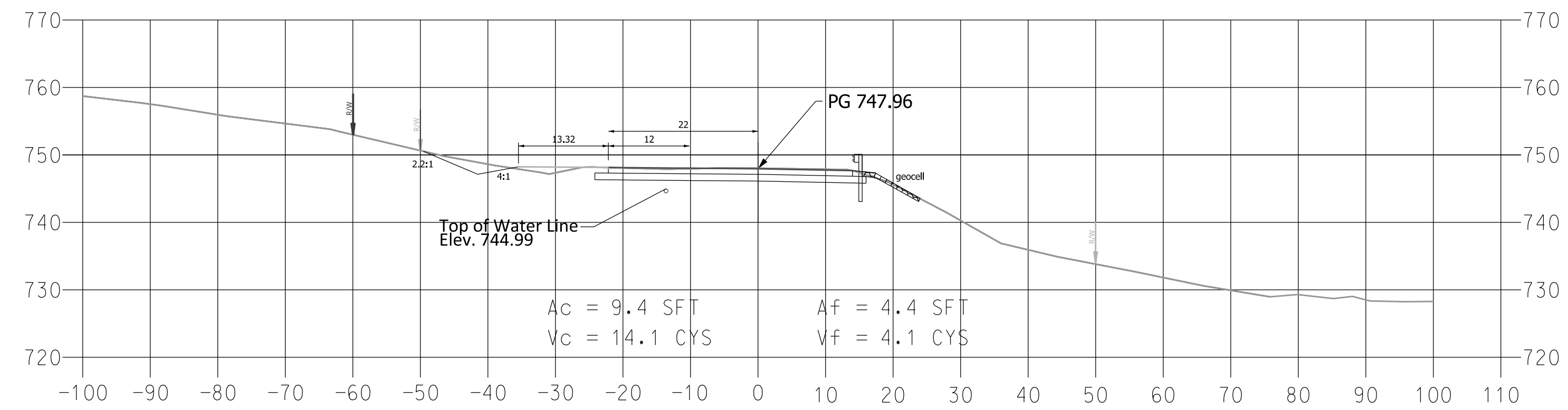
Cross Sections

SCALE 1" = 15'	DESIGNATION 1700209
SHEETS 18 of 22	
CONTRACT R-40415	PROJECT 1700209

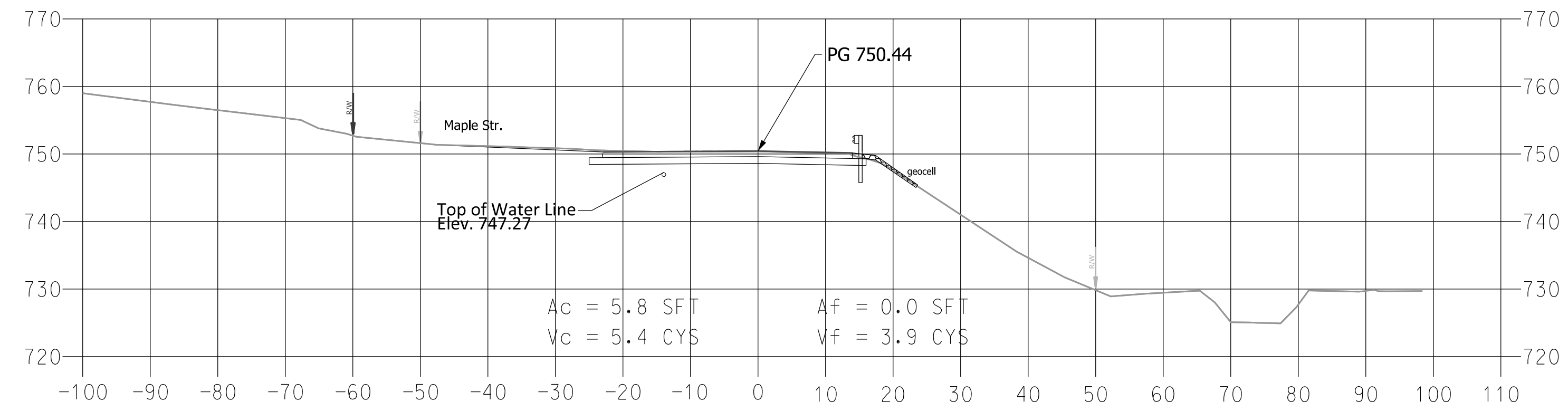
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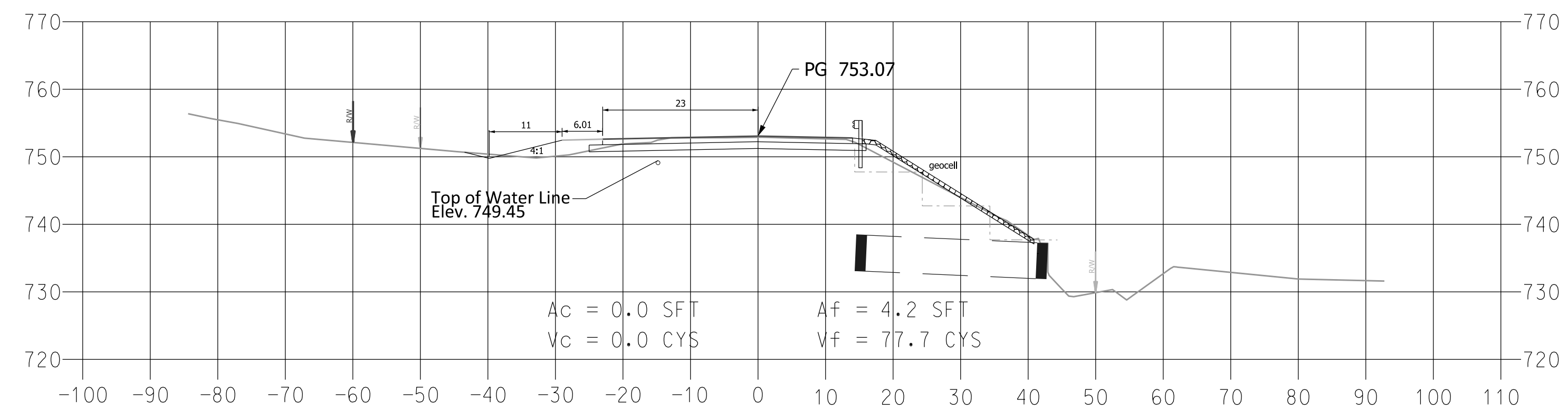
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764+35.2



763+85.2



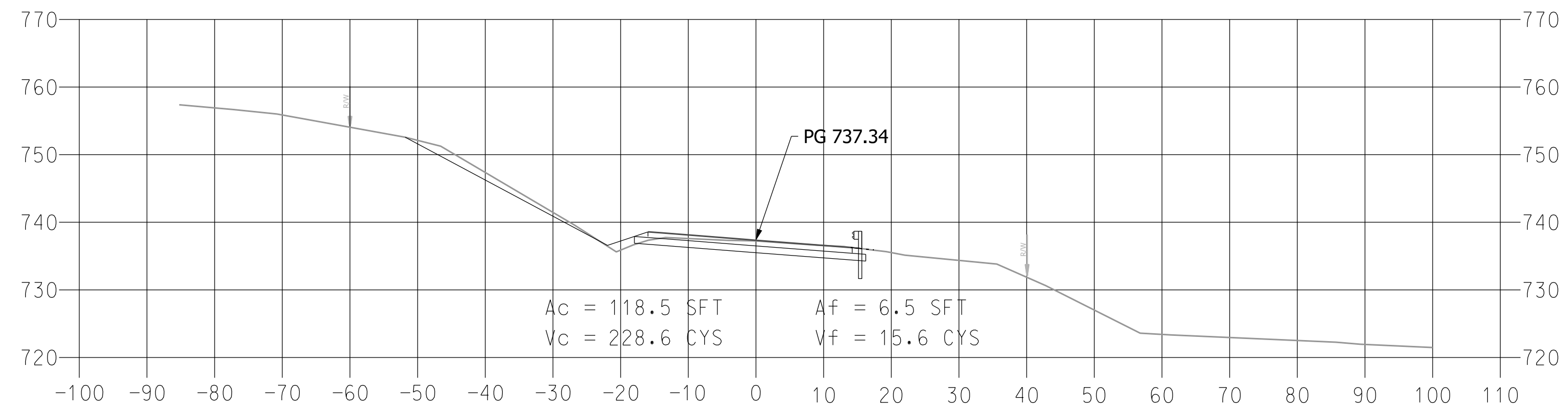
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DESIGNED: MLR 3/19/19	DRAWN: MLR 3/19/19	
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INDIANA
DEPARTMENT OF TRANSPORTATION

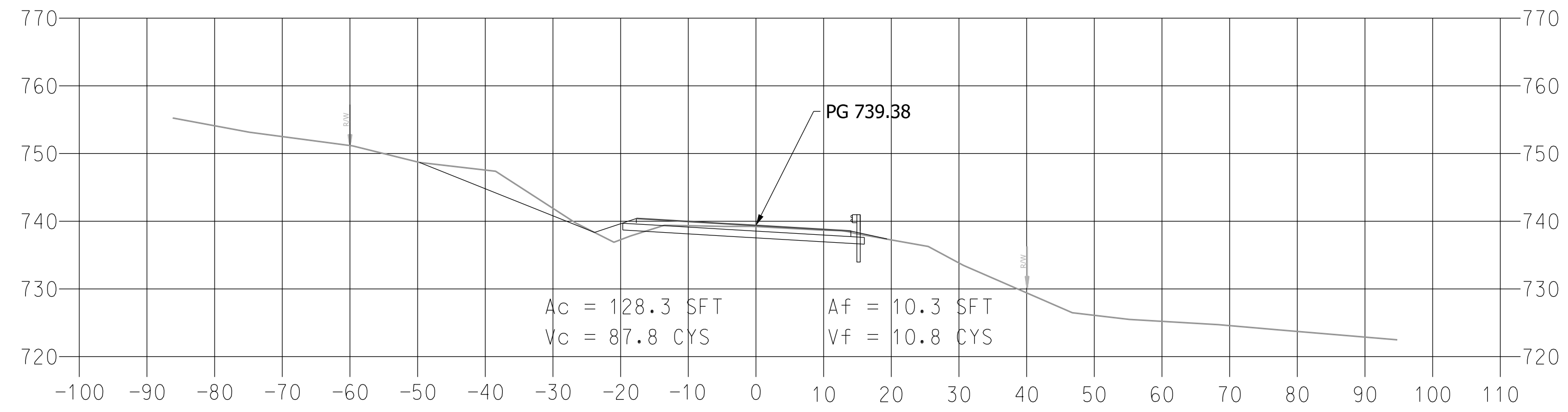
Cross Sections

SCALE 1" = 15'	DESIGNATION 1700209
SHEETS 19 of 22	
CONTRACT R-40415	PROJECT 1700209

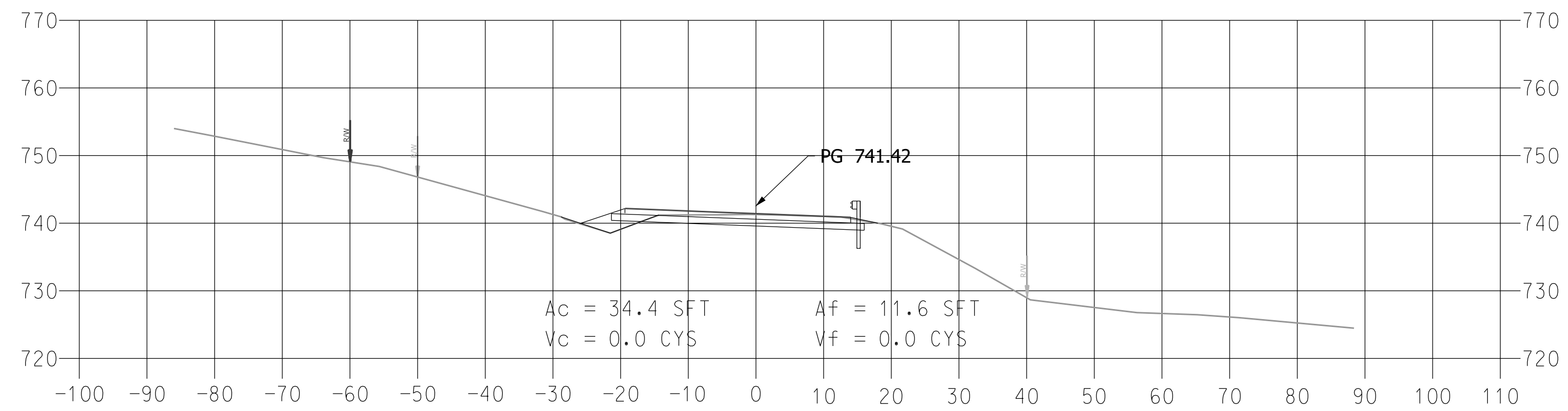
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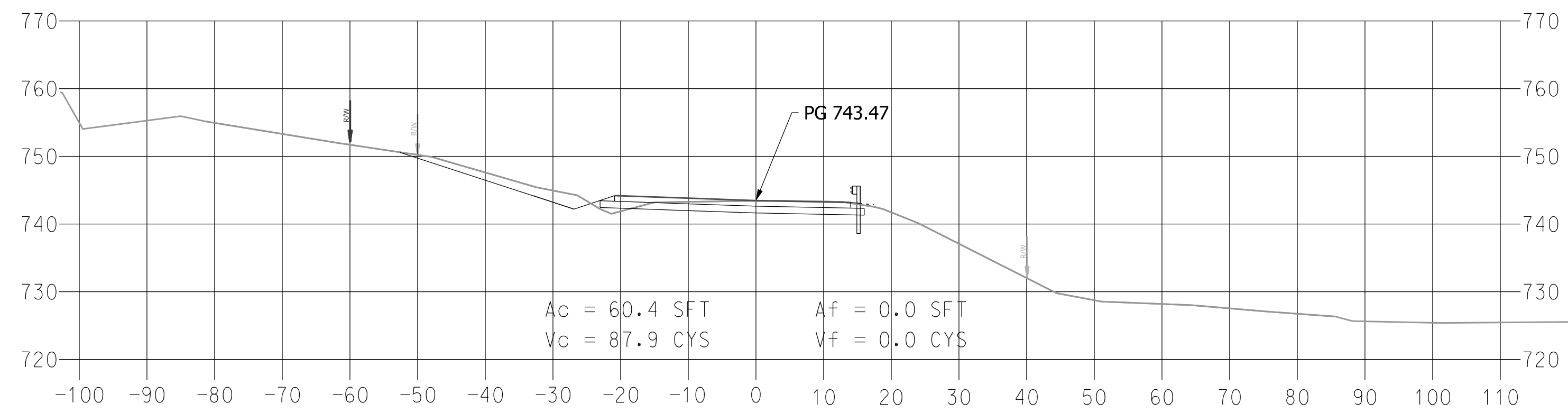
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766+35.2



765+85.2



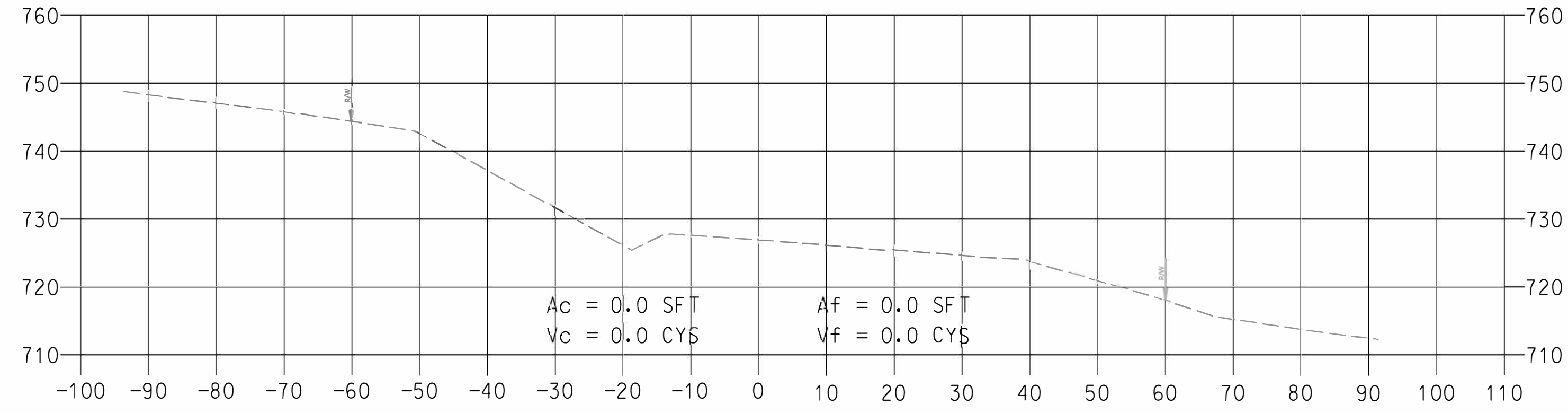
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DESIGNED: MLR 3/19/19	DRAWN: MLR 3/19/19		
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INDIANA
DEPARTMENT OF TRANSPORTATION

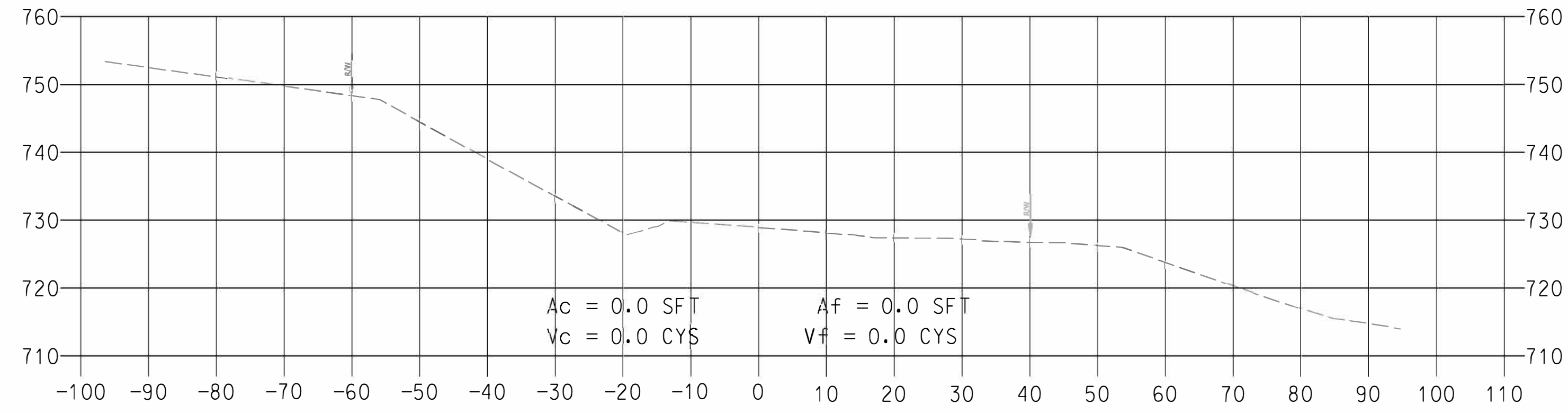
Cross Sections

SCALE 1" = 15'	
DESIGNATION 1700209	
SHEETS 20 of 22	
CONTRACT R-40415	PROJECT 1700209

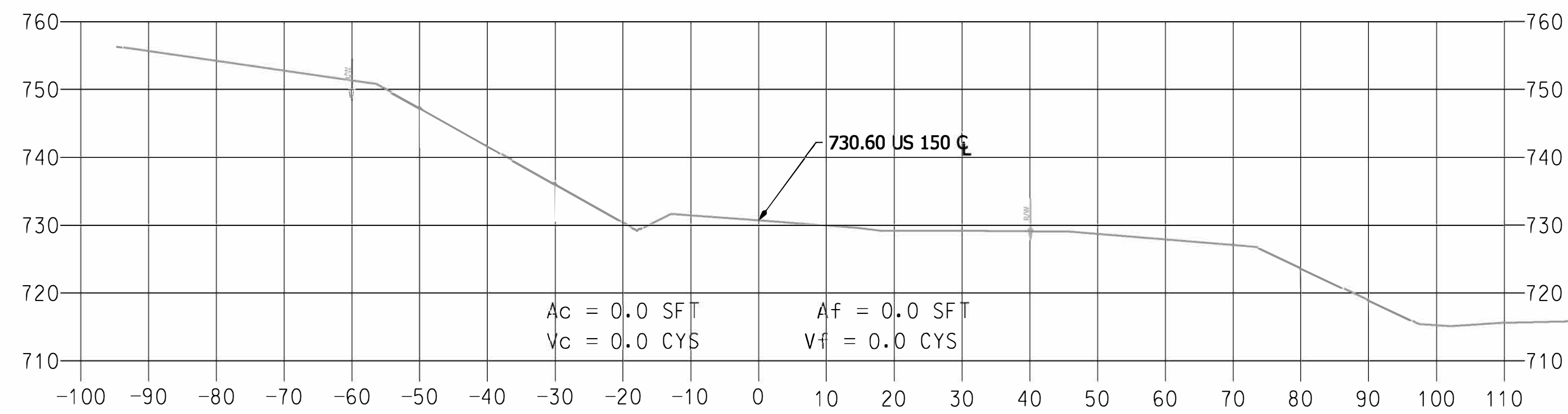
769+85.2



769+35.2

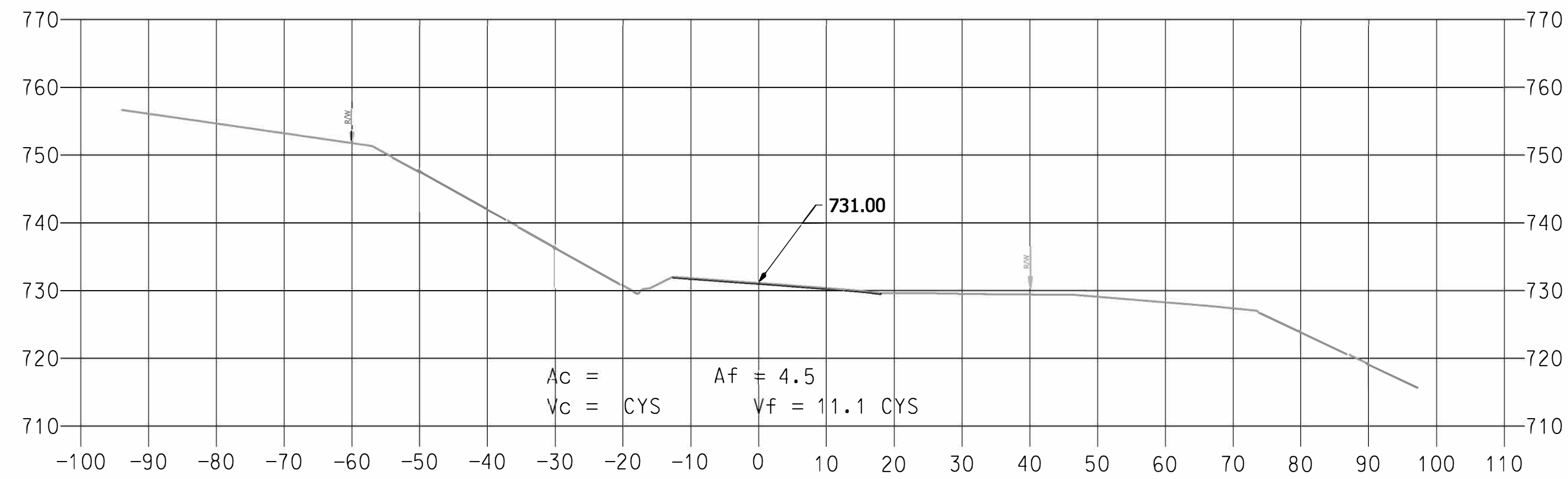


768+95.2



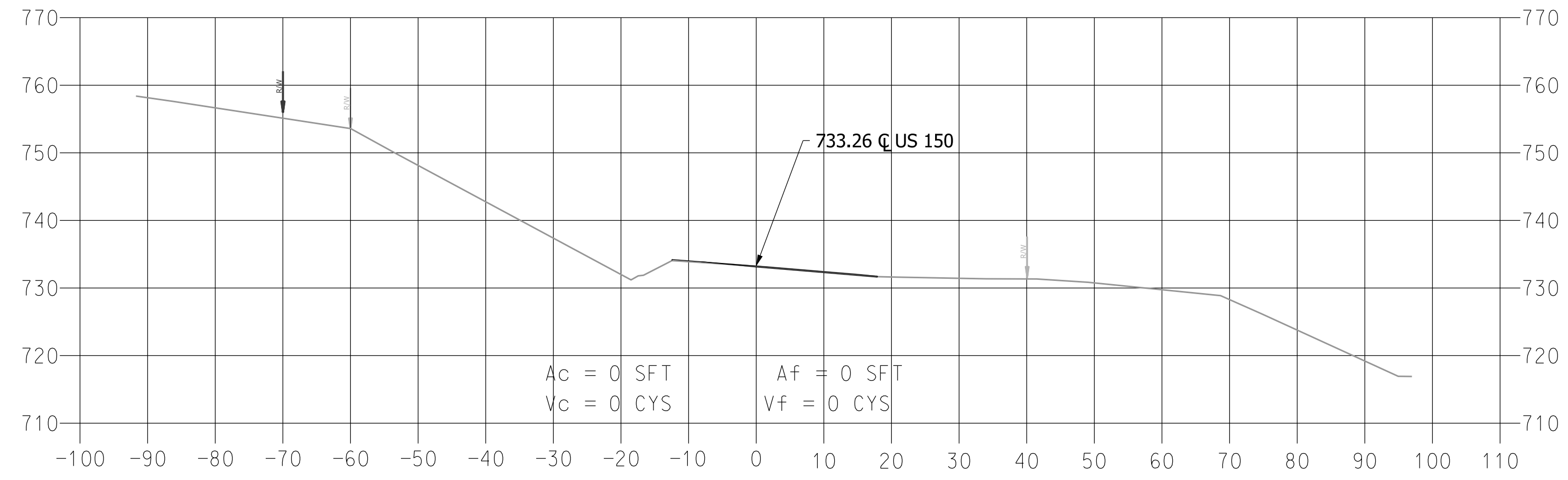
End of Incidental

768+85.2



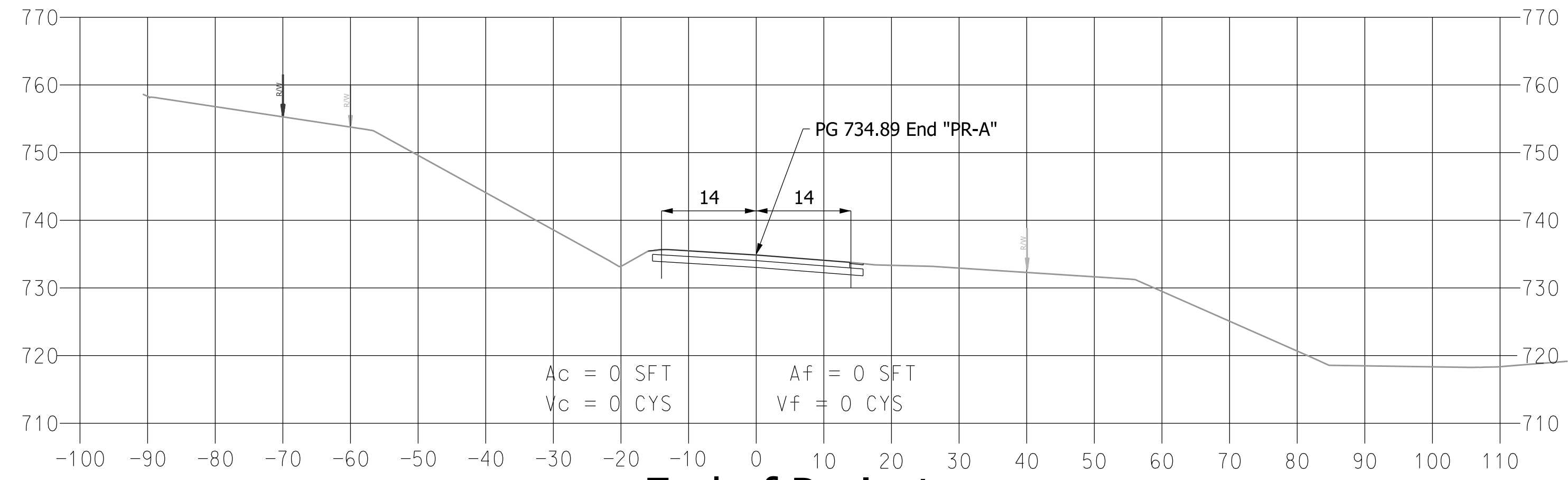
	RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION		SCALE 1" = 15'			
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						SHEETS 21 of 22	
DESIGNED: MLR 3/19/19	DRAWN: MLR 3/19/19			CONTRACT R-40415	PROJECT 1700209		
CHECKED: MRS 3/20/19	CHECKED: MRS 3/20/19						

768+35.2



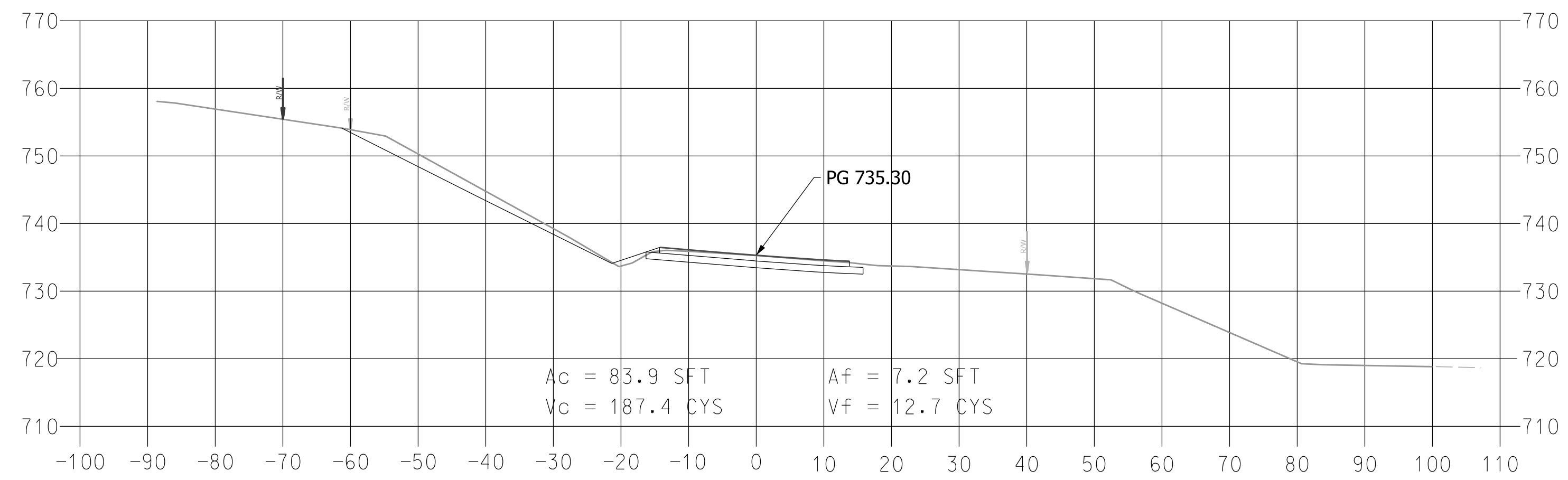
Incidental

767+95.2



End of Project

767+85.2



		RECOMMENDED FOR APPROVAL _____	INDIANA DEPARTMENT OF TRANSPORTATION	SCALE		
		DESIGN ENGINEER _____		DATE _____	1" = 15'	
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		CHECKED: MRS 3/20/19		CHECKED: MRS 3/20/19	1700209	
Cross Sections				SHEETS		
				22	of 22	
				CONTRACT	PROJECT	
				R-40415	1700209	