



- Legend**
- Site Boundary
 - LOD
 - RPA
 - Stream Impact
 - Stream
 - Wetland_Impact
 - Wetland
 - Stormwater BMP
 - Plant_Design
 - Existing ROW
 - Proposed Relocated Gas Line
 - Proposed Plant_Site
 - Proposed Pit
 - Proposed Overburden Footprint
 - Existing Overburden

MIDLOTHIAN QUARRY ATTACHMENT C IMPACT TABLE

Project Phase	Impact Number/ Description	PFO (SF)	PFO (AC)	PEM (SF)	PEM (AC)	R4 (SF)	R4 (AC)	R4 (LF)	R6 (SF)	R6 (AC)	R6 (LF)	Total Impact Area (SF)	Total Impact Area (AC)	Total Stream Impact Length (LF)	Wetland/Stream Impact Description*	Impact Coordinates
Phase I	1A - Permanent Conversion	8,781	0.20	--	--	--	--	--	--	--	--	8,781	0.20	--	F, S, NT, PC, V, MC (PFO)	37.442364, -77.628164
	1A - Temporary	--	--	--	--	--	--	--	92	<0.01	61	92	<0.01	61	F, S, NT, TE, V, MC (PFO, R6)	37.442364, -77.628164
Phase II	1B - Permanent	14,141	0.32	--	--	--	--	--	42	<0.01	28	14,183	0.33	28	F, S, NT, PE, V, MC (PFO, R6)	37.442364, -77.628164
Phase II	2 - Permanent	9,076	0.21	--	--	383	0.01	256	--	--	--	9,459	0.22	256	F, S, NT, PE, IN, V, MC (PFO, R4)	37.440706, -77.628481
Phase I	3 - Temporary	--	--	--	--	172	<0.01	114	--	--	--	172	<0.01	114	F, S, NT, TE, IN, V (R4)	37.439425, -77.626033
Phase III	4 - Permanent	93,863	2.15	--	--	2,559	0.06	1,279	--	--	--	96,422	2.21	1,279	F, S, NT, PE, IN, V, MC (PFO, R4)	37.435206, -77.631872
	5 - Permanent	7,791	0.18	--	--	1,029	0.02	515	--	--	--	8,820	0.20	515	F, S, NT, PE, IN, V, MC (PFO, R4)	37.433222, -77.632342
	6 - Permanent	10,679	0.25	--	--	1,268	0.03	423	--	--	--	11,947	0.27	423	F, S, NT, PE, IN, V, MC (PFO, R4)	37.431767, -77.629797
	7 - Permanent	29,483	0.68	--	--	2,304	0.05	768	--	--	--	31,787	0.73	768	F, S, NT, PE, IN, V (PEM, R4)	37.440336, -77.634217
Phase II	8 - Permanent	--	--	302	0.01	--	--	--	--	--	--	302	0.01	--	F, S, NT, PC, V, MC (PFO)	37.440356, -77.63095
	Phase I Total	8,781	0.20	--	--	172	<0.01	114	92	<0.01	61	9,045	0.21	175		
	Phase II Total	23,217	0.53	302	0.01	383	0.01	256	42	<0.01	28	23,944	0.55	283		
	Phase III Total	141,816	3.26	--	--	7,159	0.16	2,984	--	--	--	148,975	3.42	2,984		
	Total Temporary Impact	--	--	--	--	172	<0.01	114	92	<0.01	61	264	0.01	175		
	Total Permanent Conversion Impact	8,781	0.20	--	--	--	--	--	--	--	--	8,781	0.20	--		
	Total Permanent Impact	165,033	3.79	302	0.01	7,543	0.17	3,240	42	<0.01	28	172,919	3.97	3,268		
Overall Total		173,814	3.99	302	0.01	7,714	0.18	3,354	134	<0.01	89	181,964	4.18	3,443		

* Use all that apply: F = Fill; EX = Excavation; S = Structure; T = Tidal; NT = Nontidal; TE = Temporary; PE = Permanent; PC = Permanent Conversion; PR = Perennial; IN = Intermittent; SB = Subaqueous Bottom; DB = Dune/Beach; IS = Hydrologically Isolated; V = Vegetated; NV = Non-vegetated; MC = Mechanized Clearing Of PFO.

Impact #1 Summary

Impact 1A

Permanent Wetland Conversion (PFO) 8781 (SF) 0.20 (AC)

Temporary Stream (R6) 61 (LF) 92 (SF)

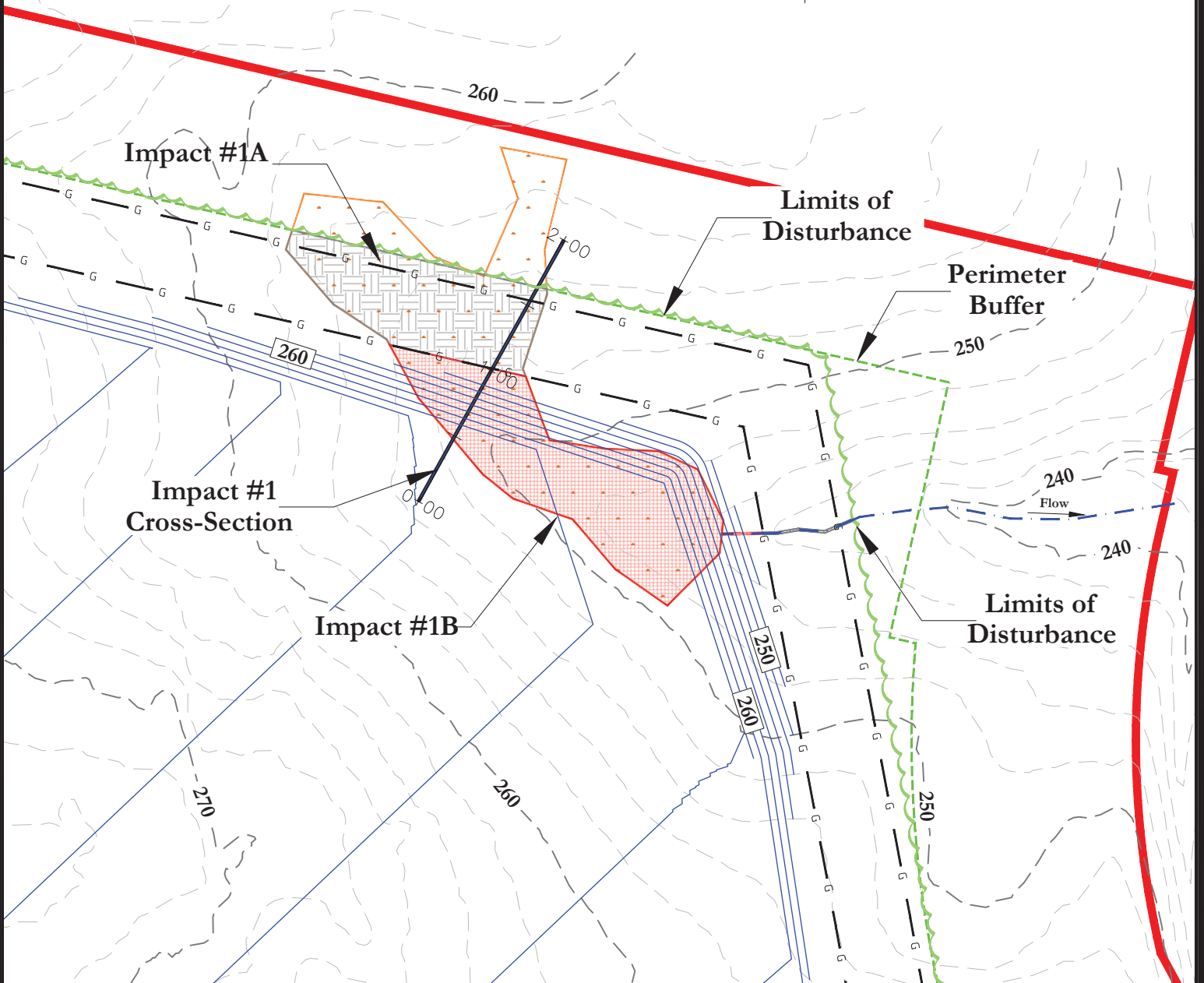
Impact 1B

Permanent Wetland (PFO) 14,141 (SF) 0.32 (AC)

Permanent Stream (R6) 28 (LF) 42 (SF)

Legend

- Property Line -
- Wetland -
- Stream -
- Gas R/W -
- Existing Contours -
- Proposed Contours -
- Temporary Impacts
- Permanent Impacts



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Midlothian Quarry Wetlands/Stream Impact #1 Proposed Impacts to Nontidal Waters of the U.S Chesterfield County, Virginia

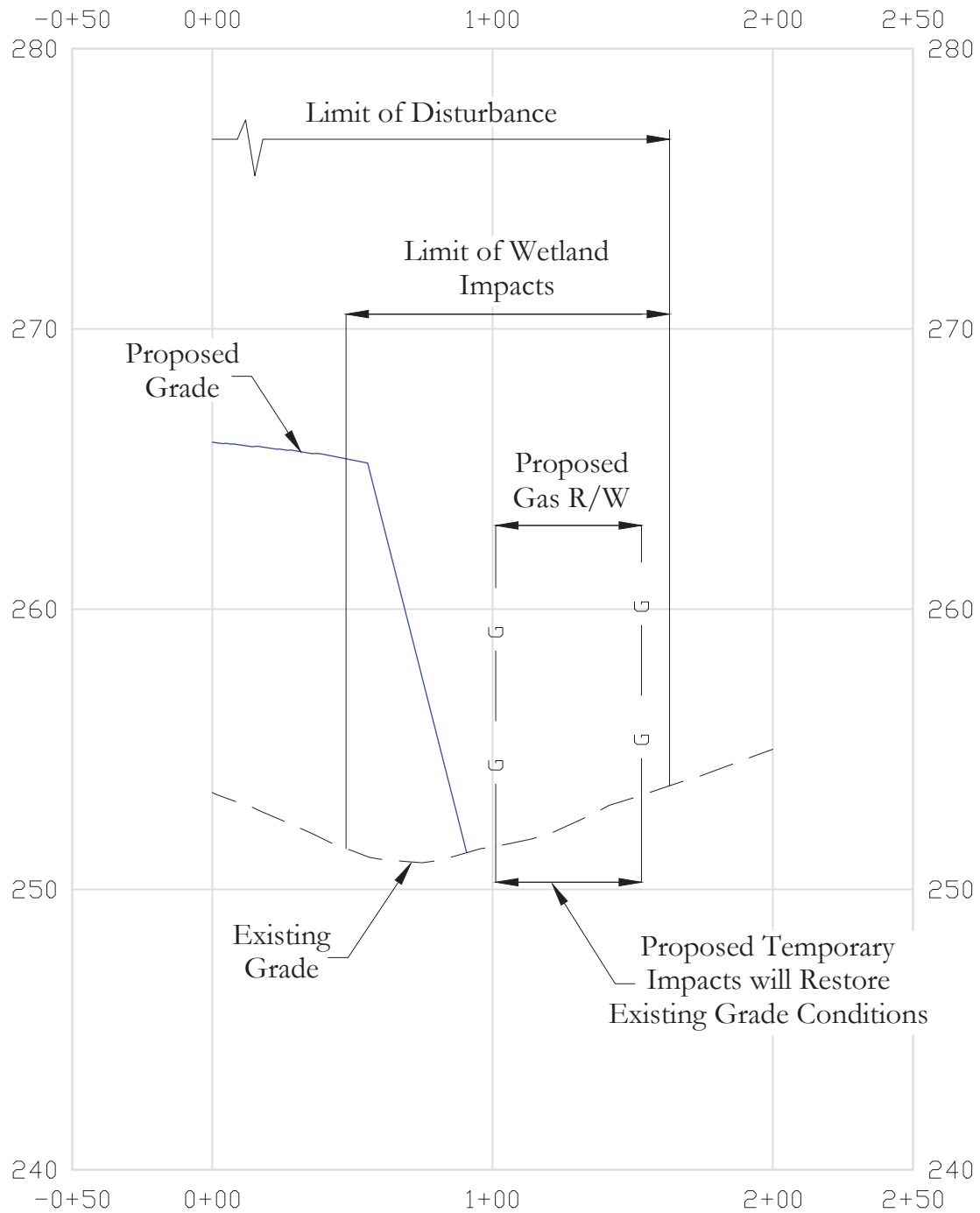
Agent:

Wetlands Studies and Solutions, Inc.
5300 Wellington Branch Drive, Suite 100
Gainesville, Virginia 20155

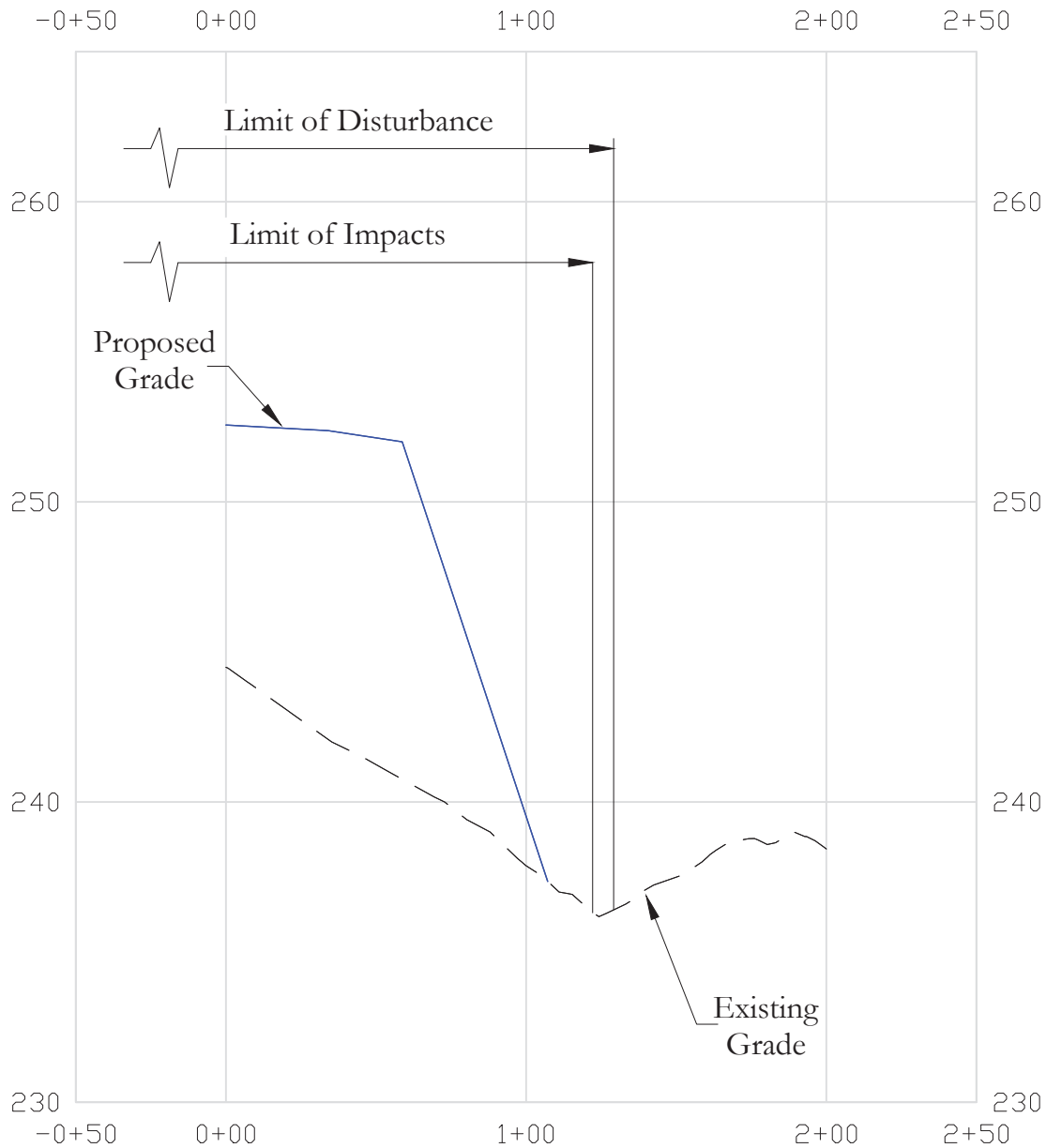
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Sheet 1 of 2

Wetland Impact #1



Wetland Impact #2

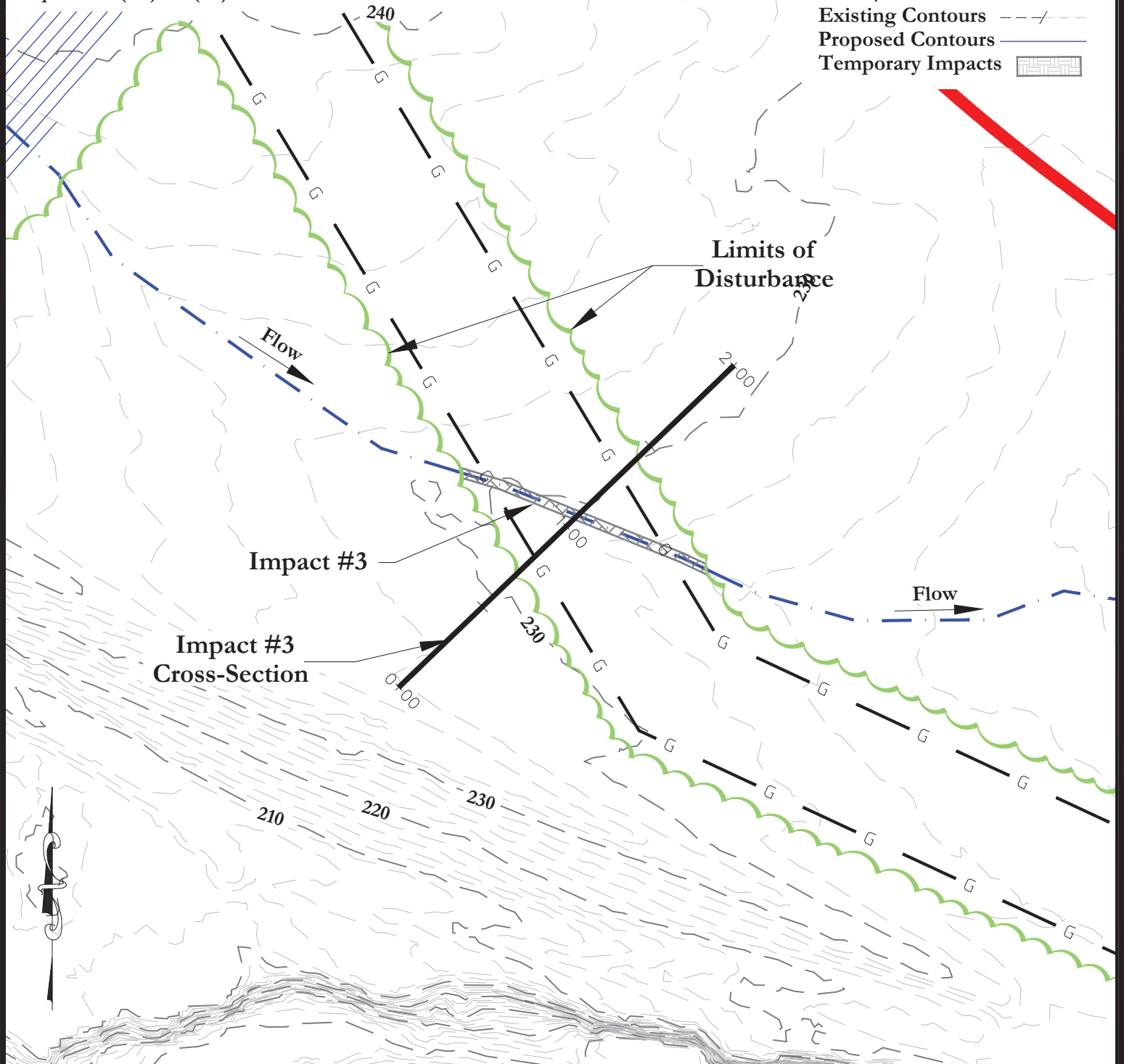


Impact #3 Summary

Stream (R4) Impacts: Temporary
Impacts 114 (LF) 172 (SF)

Legend

- Property Line -
- Stream -
- Gas R/W -
- Existing Contours -
- Proposed Contours -
- Temporary Impacts



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Midlothian Quarry Wetlands/Stream Impact #3 Proposed Impacts to Nontidal Waters of the U.S Chesterfield County, Virginia

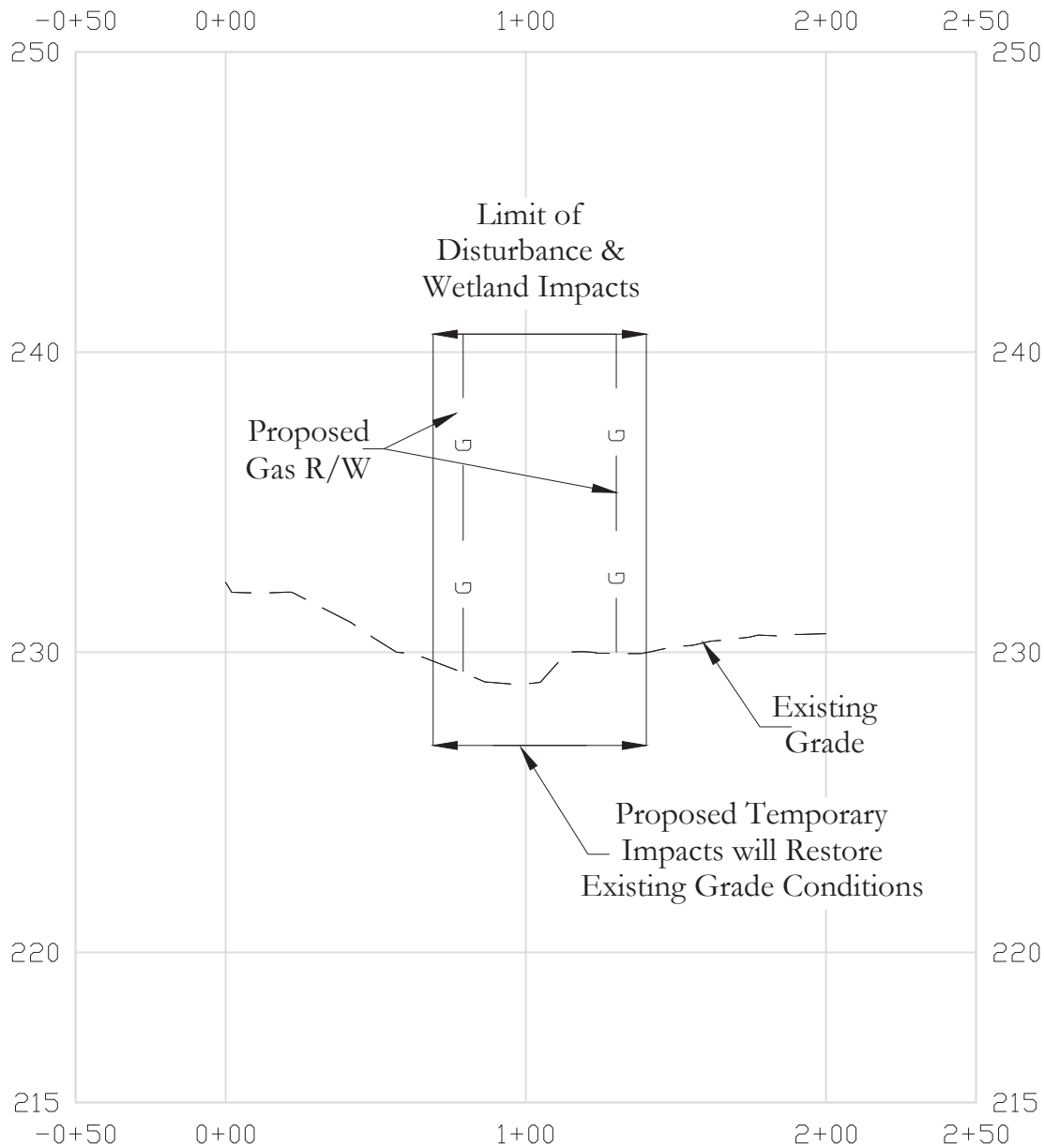
Agent:

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Gainesville, Virginia 20155

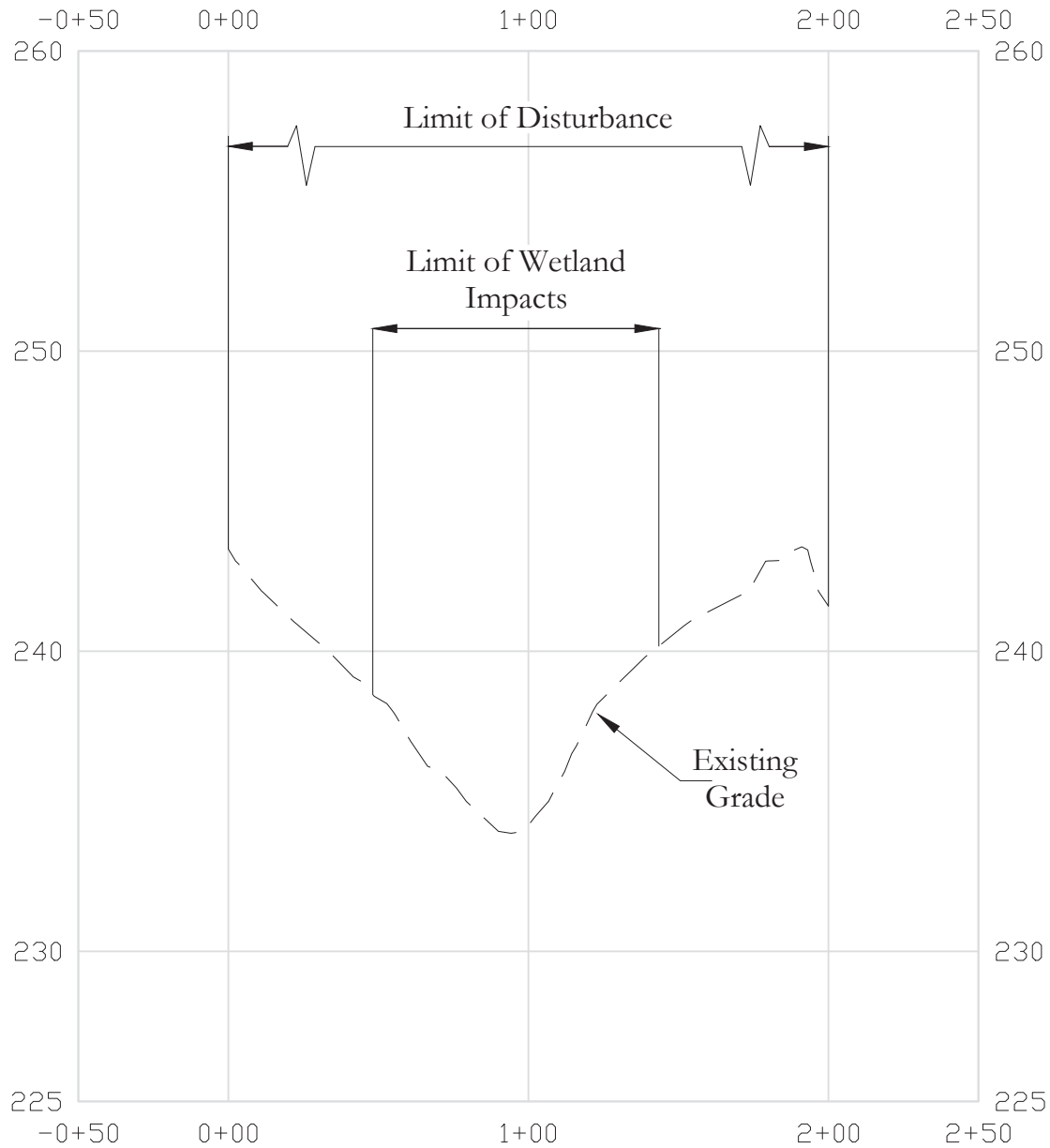
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Sheet 1 of 2

Wetland Impact #3



Wetland Impact #4



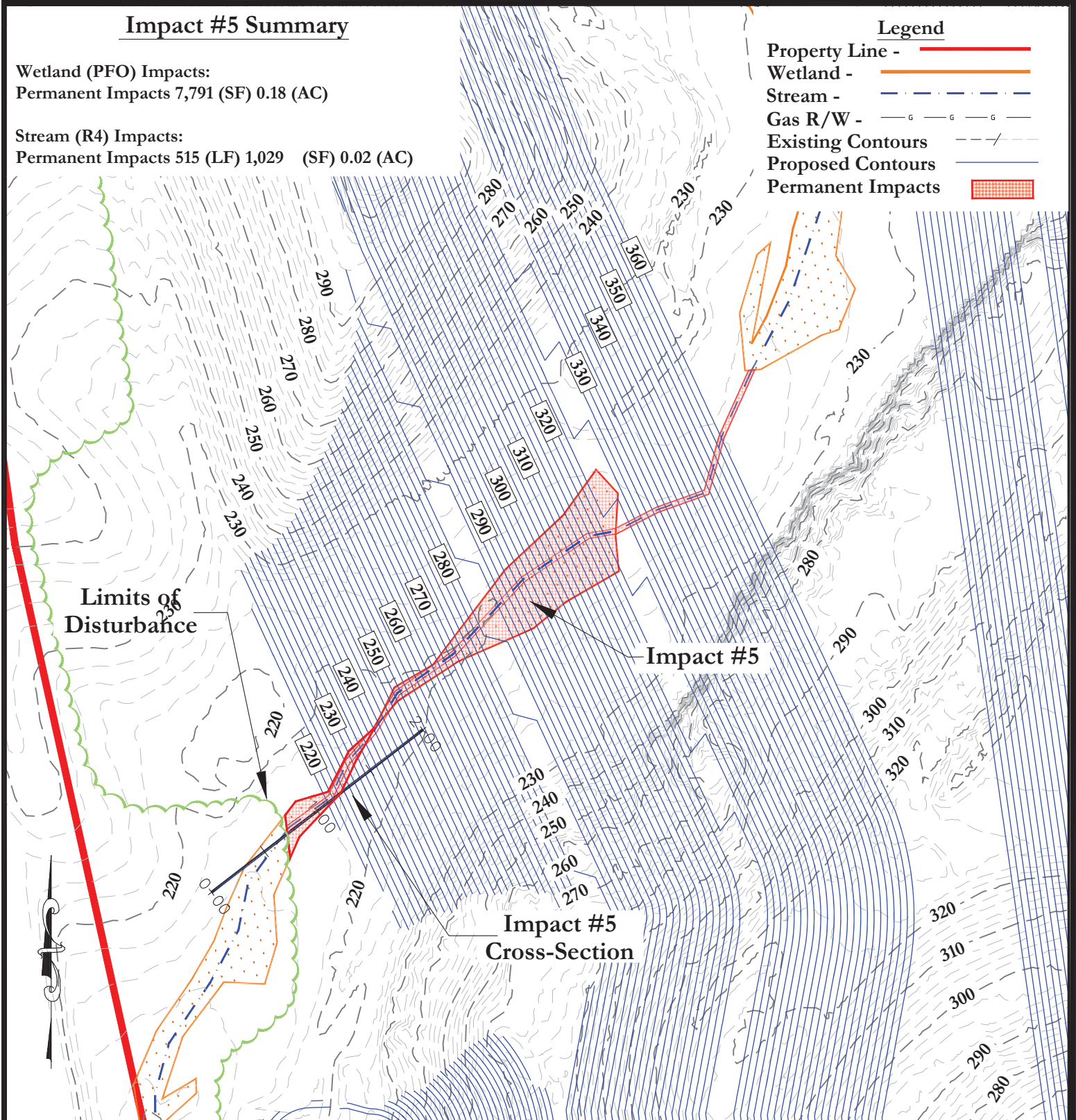
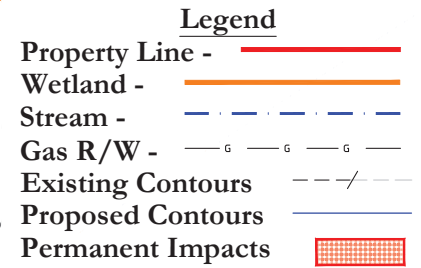
Impact #5 Summary

Wetland (PFO) Impacts:

Permanent Impacts 7,791 (SF) 0.18 (AC)

Stream (R4) Impacts:

Permanent Impacts 515 (LF) 1,029 (SF) 0.02 (AC)



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Midlothian Quarry Wetlands/Stream Impact #5

Proposed Impacts to Nontidal Waters of the U.S
Chesterfield County, Virginia

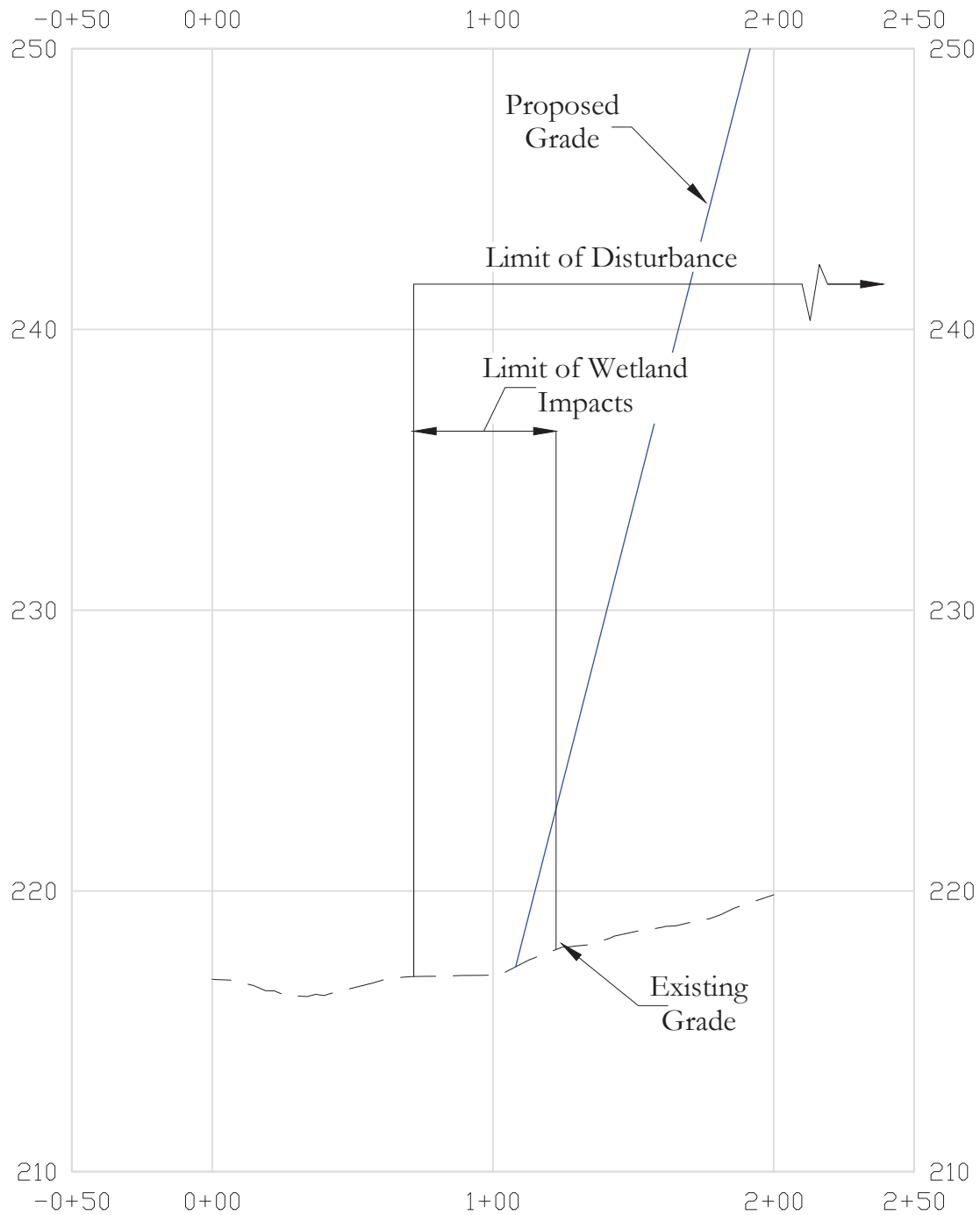
Agent:

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Scale: 1" = 100'

Sheet 1 of ##

Wetland Impact #5



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Scale: 1"= 60'(H)
1"= 6'(V)

Sheet 2 of 2

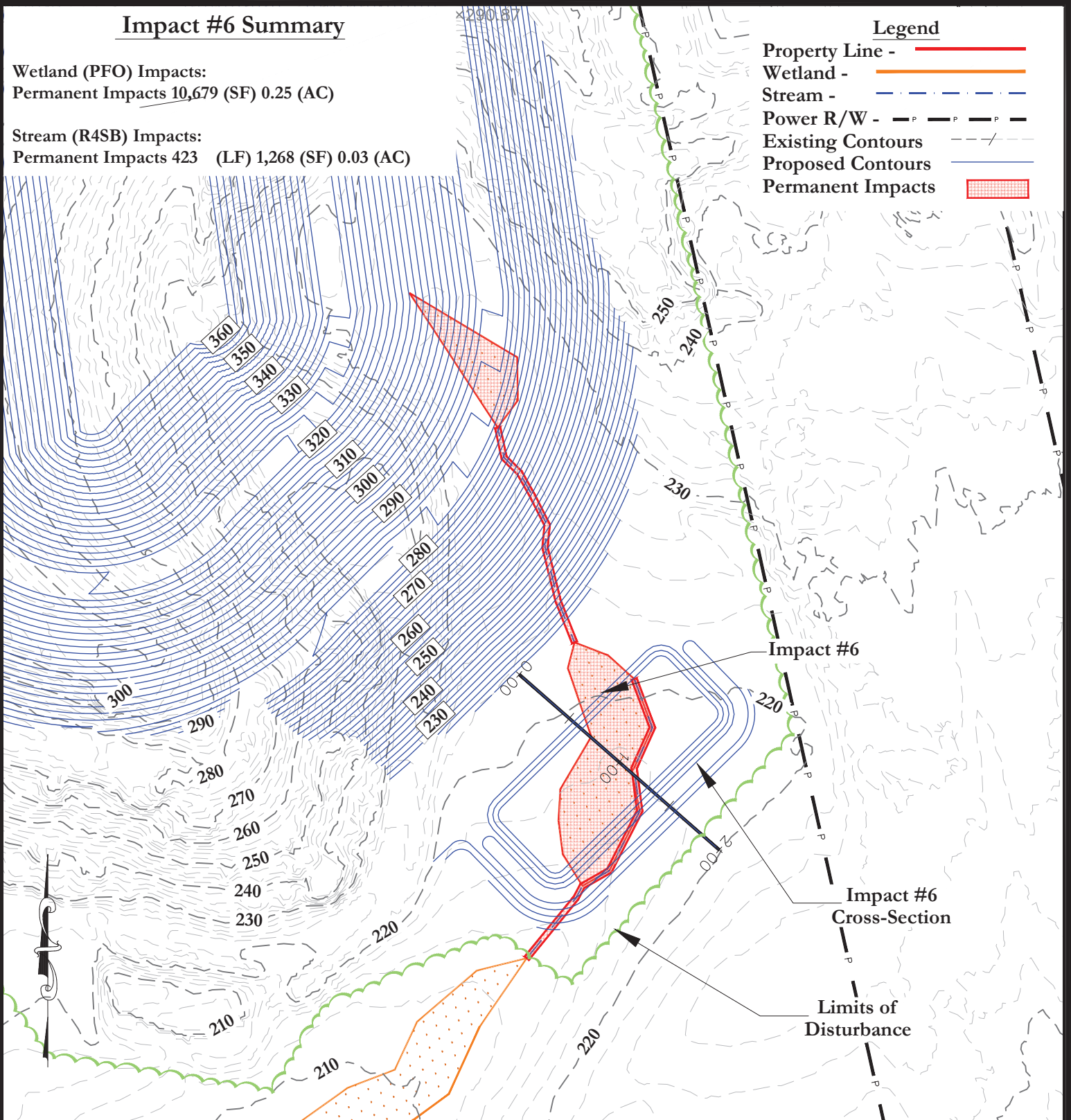
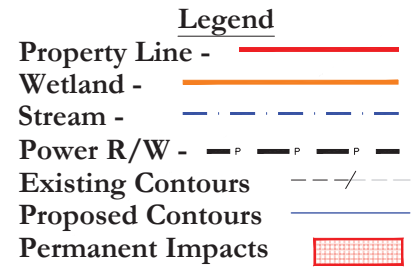
Impact #6 Summary

Wetland (PFO) Impacts:

Permanent Impacts 10,679 (SF) 0.25 (AC)

Stream (R4SB) Impacts:

Permanent Impacts 423 (LF) 1,268 (SF) 0.03 (AC)



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Midlothian Quarry Wetlands/Stream Impact #6

Proposed Impacts to Nontidal Waters of the U.S
Chesterfield County, Virginia

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Scale: 1" = 100'

Sheet 1 of 2

Wetland Impact #6



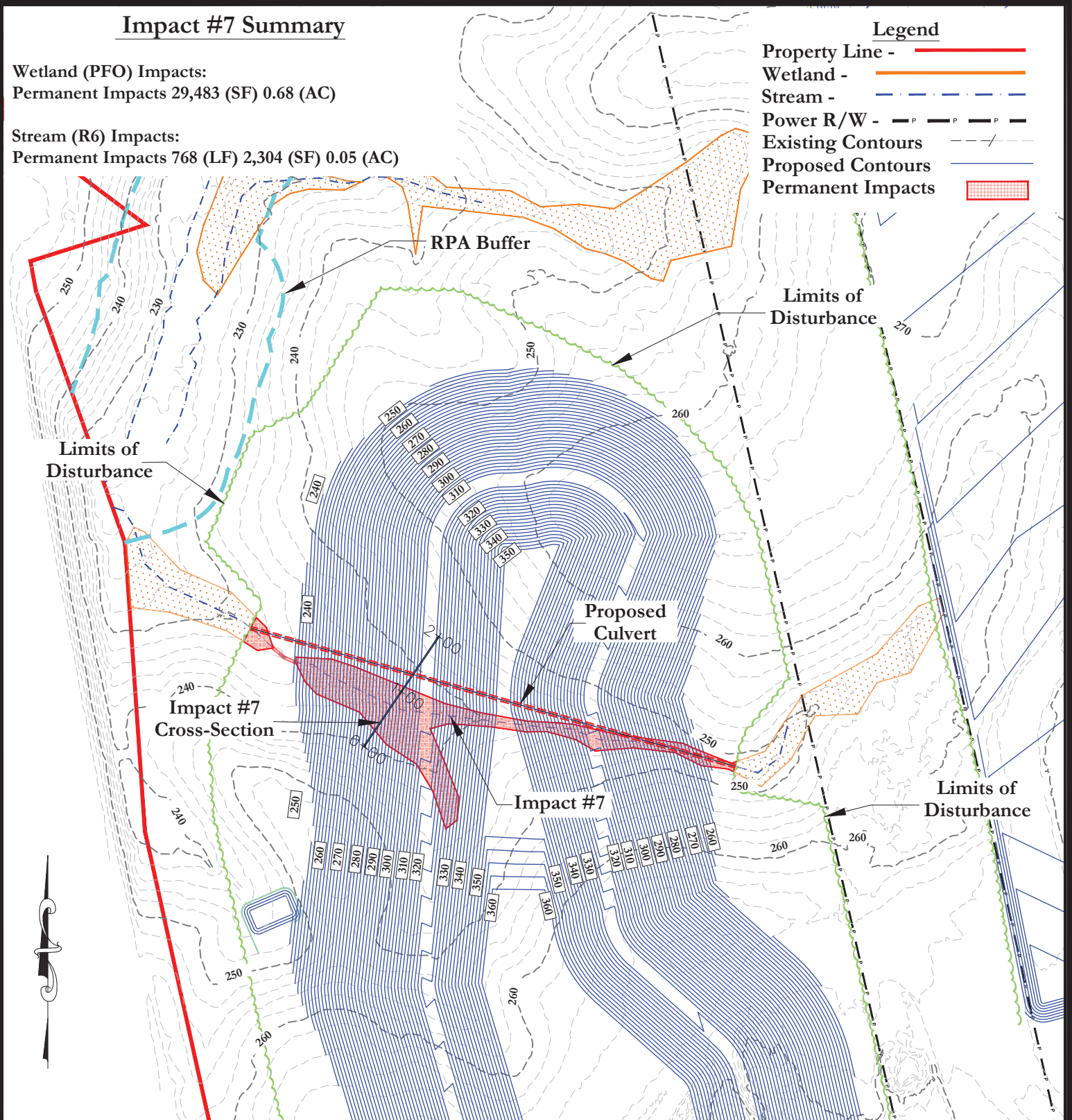
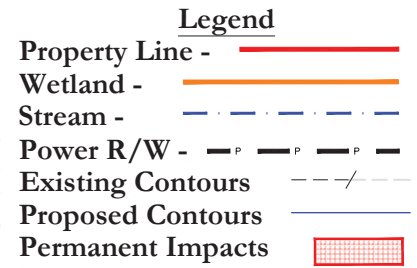
Impact #7 Summary

Wetland (PFO) Impacts:

Permanent Impacts 29,483 (SF) 0.68 (AC)

Stream (R6) Impacts:

Permanent Impacts 768 (LF) 2,304 (SF) 0.05 (AC)



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Midlothian Quarry Wetlands/Stream Impact #7

Proposed Impacts to Nontidal Waters of the U.S
Chesterfield County, Virginia

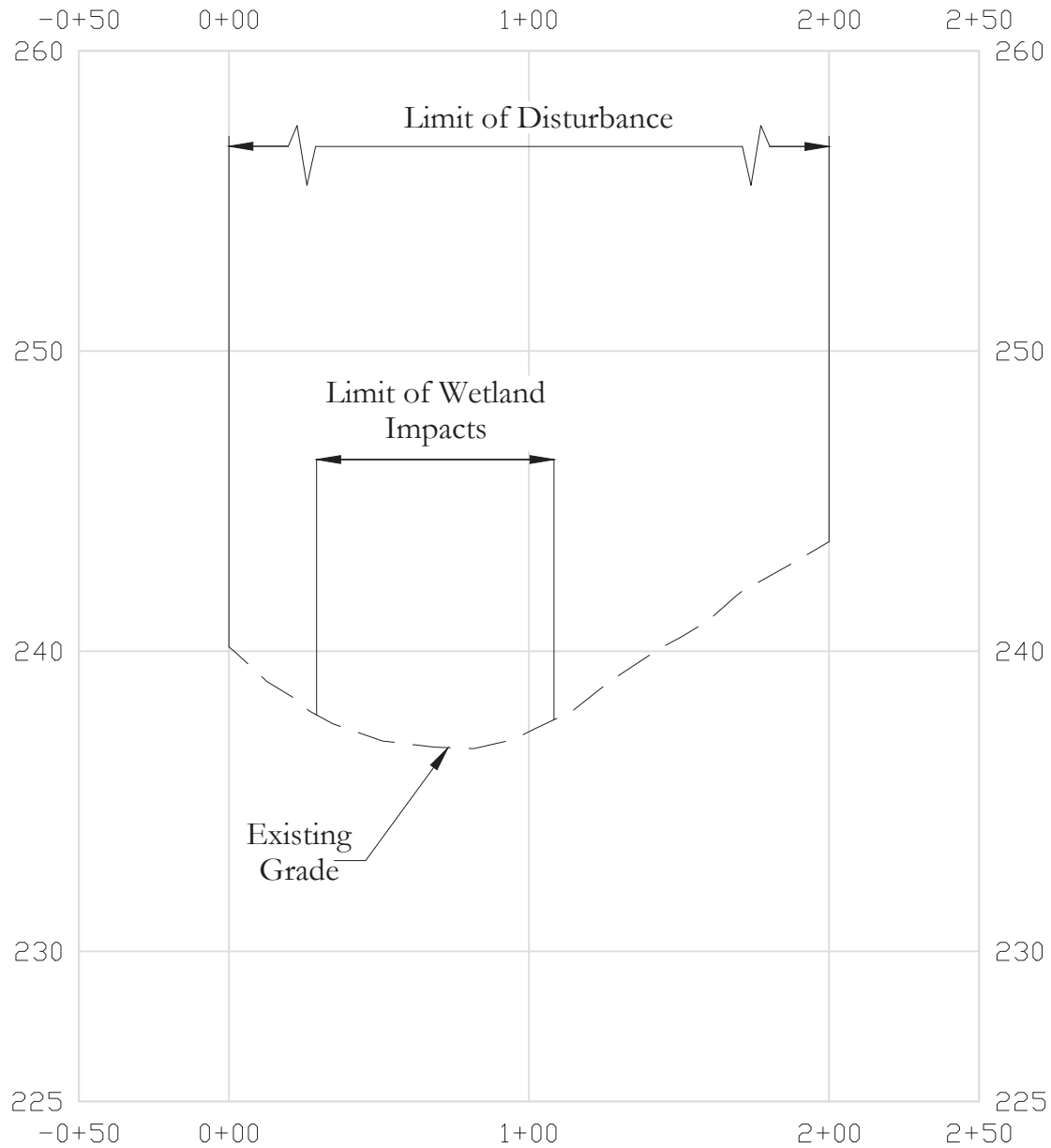
Agent:

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5300 Wellington Branch Drive, Suite 100
Gainesville, Virginia 20155

Scale: 1" = 200'

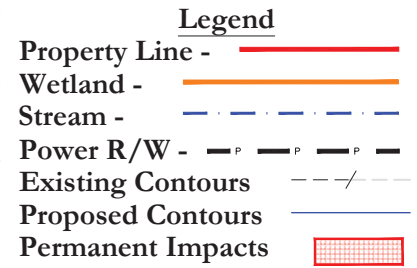
Sheet 1 of 2

Wetland Impact #7



Impact #8 Summary

Wetland (PEM) Impacts:
Permanent Impacts 302 (SF) 0.01 (AC)



Power
R/W

Impact #8
Cross-Section

Limits of
Disturbance 260

Impact #8

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Wetland Impact #8

