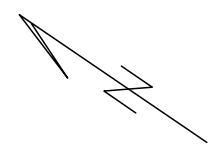
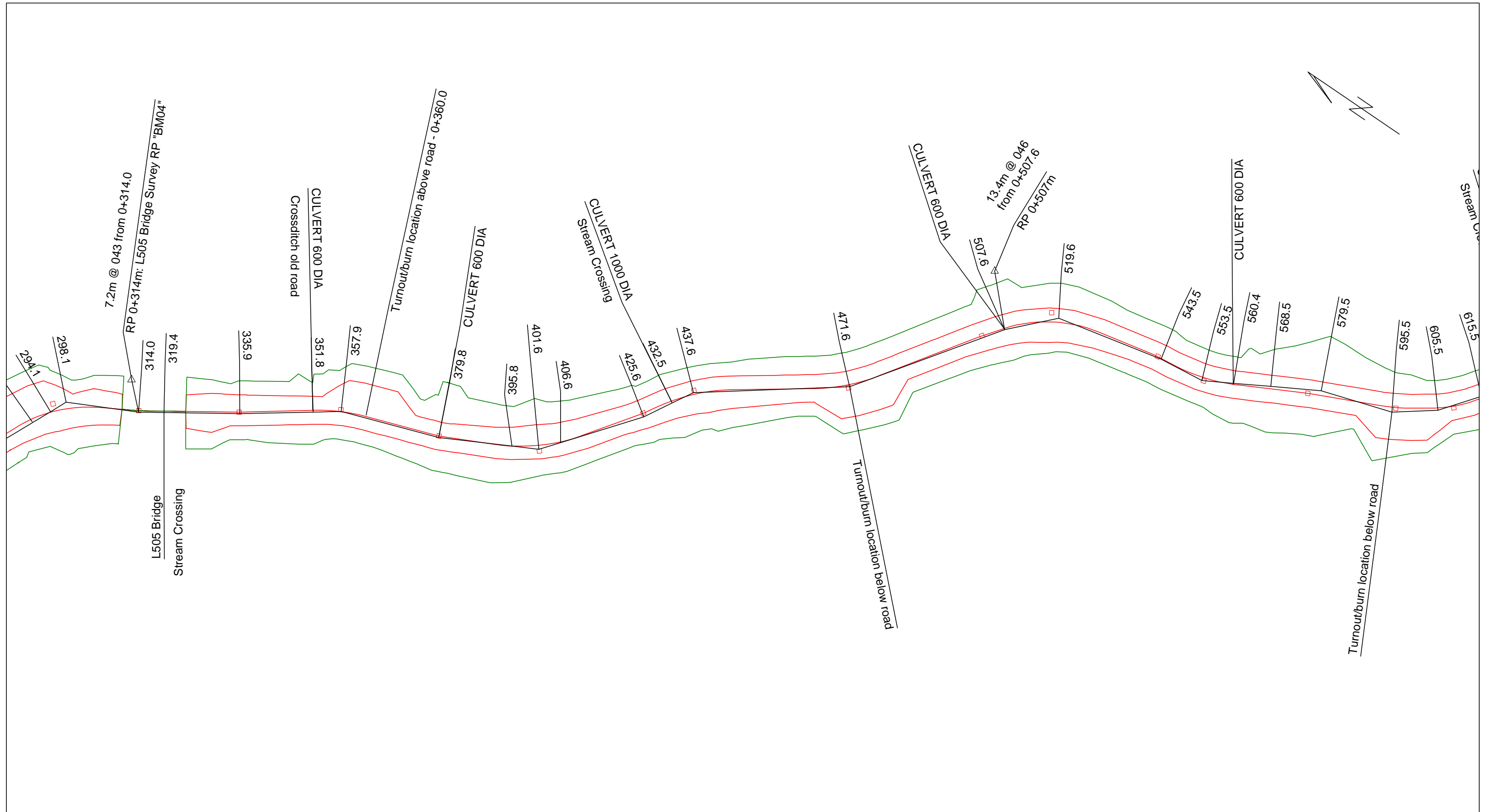
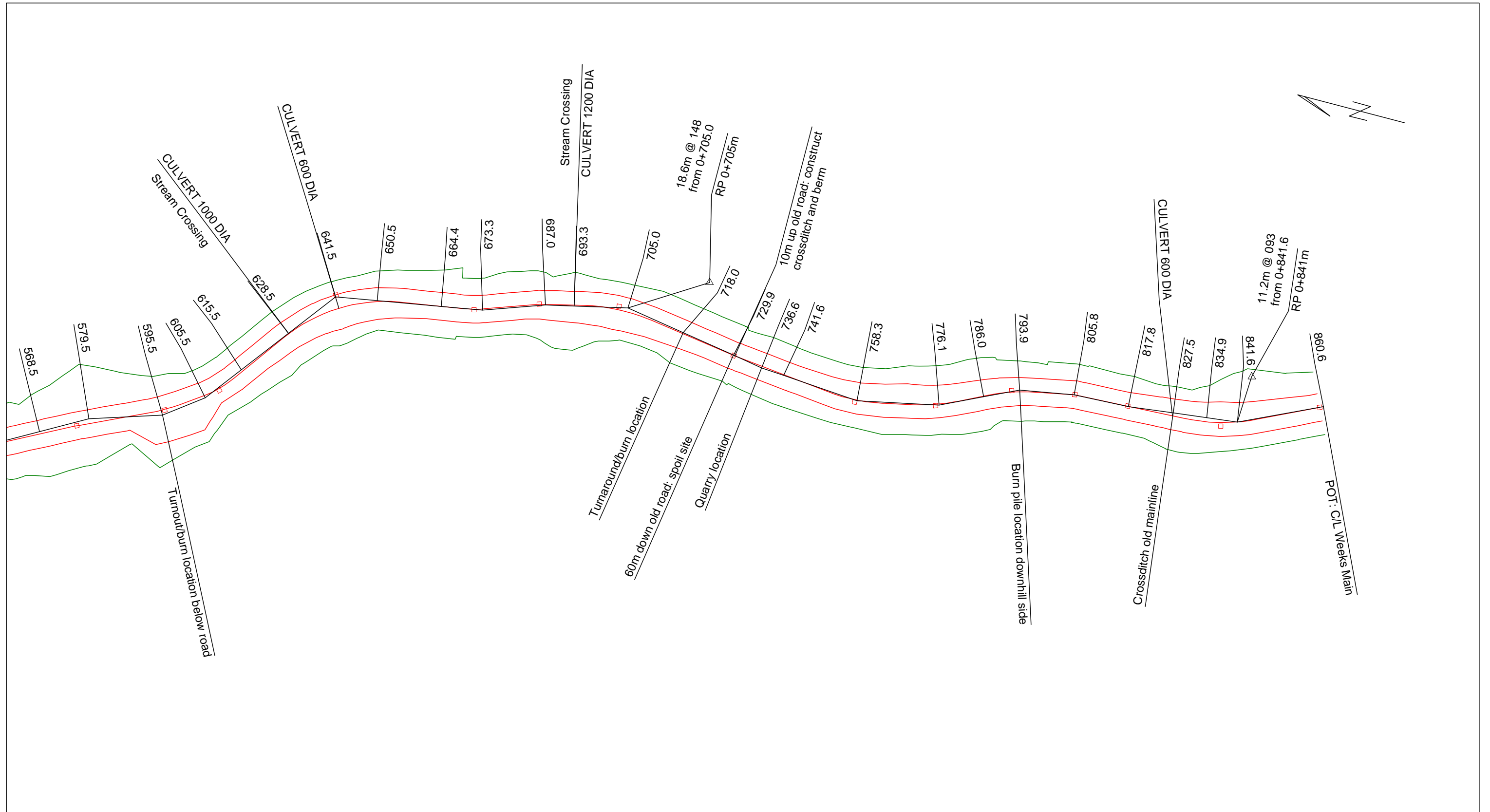


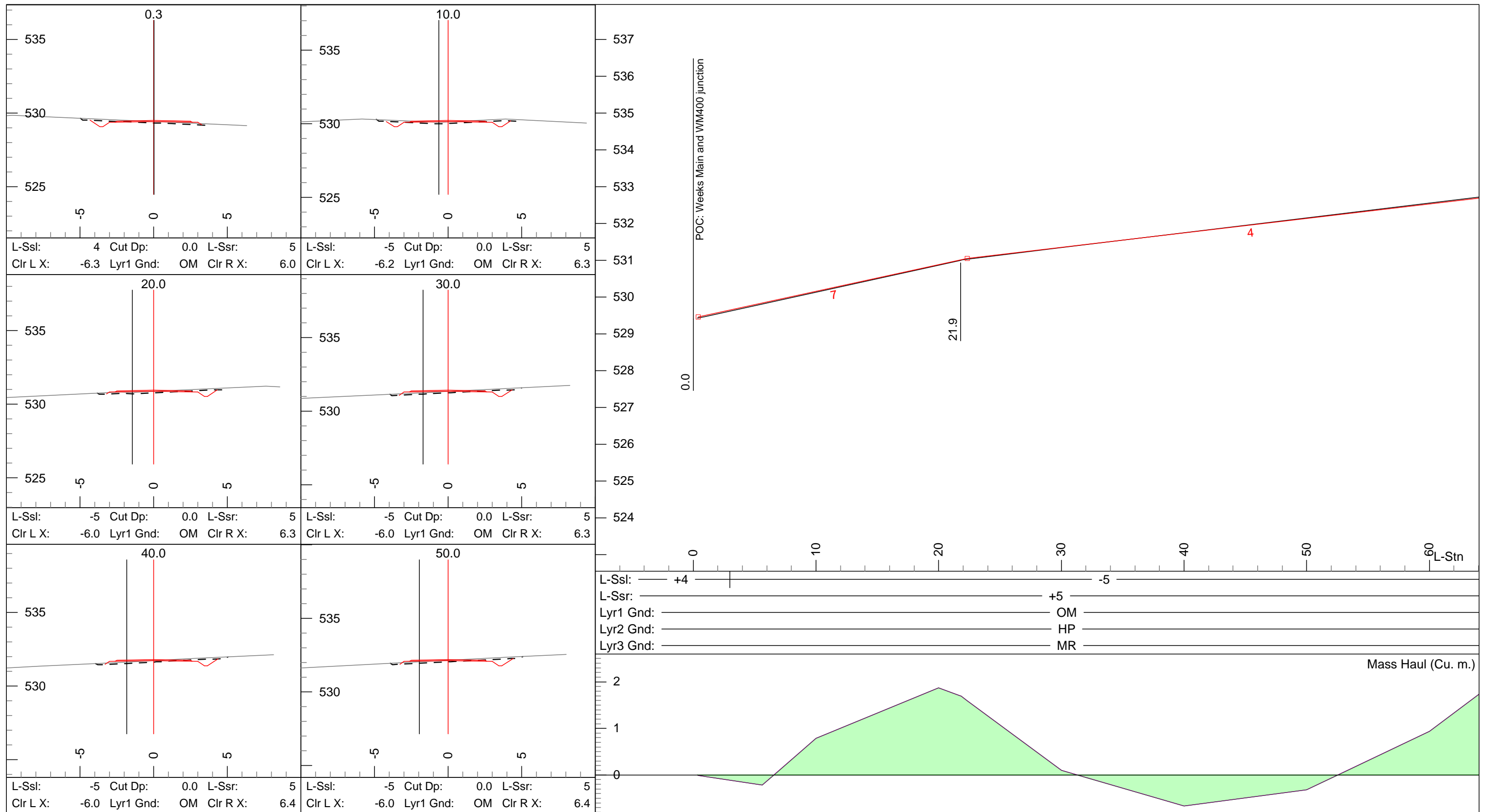
Legend		Page 1 of 20	Prepared on: August 21, 2018	<h1 style="margin: 0;">Weeks Main</h1> <h2 style="margin: 0;">Construction Design</h2>
— P-Line Location	— L-Line Road Edge	Plan Scale 1:800	Designed by: Nathan Prenger, FIT Watershed Technician - Roads CRD IWS - Watershed Protection	
— L-line Centreline Location	— RoW Clearing Width			



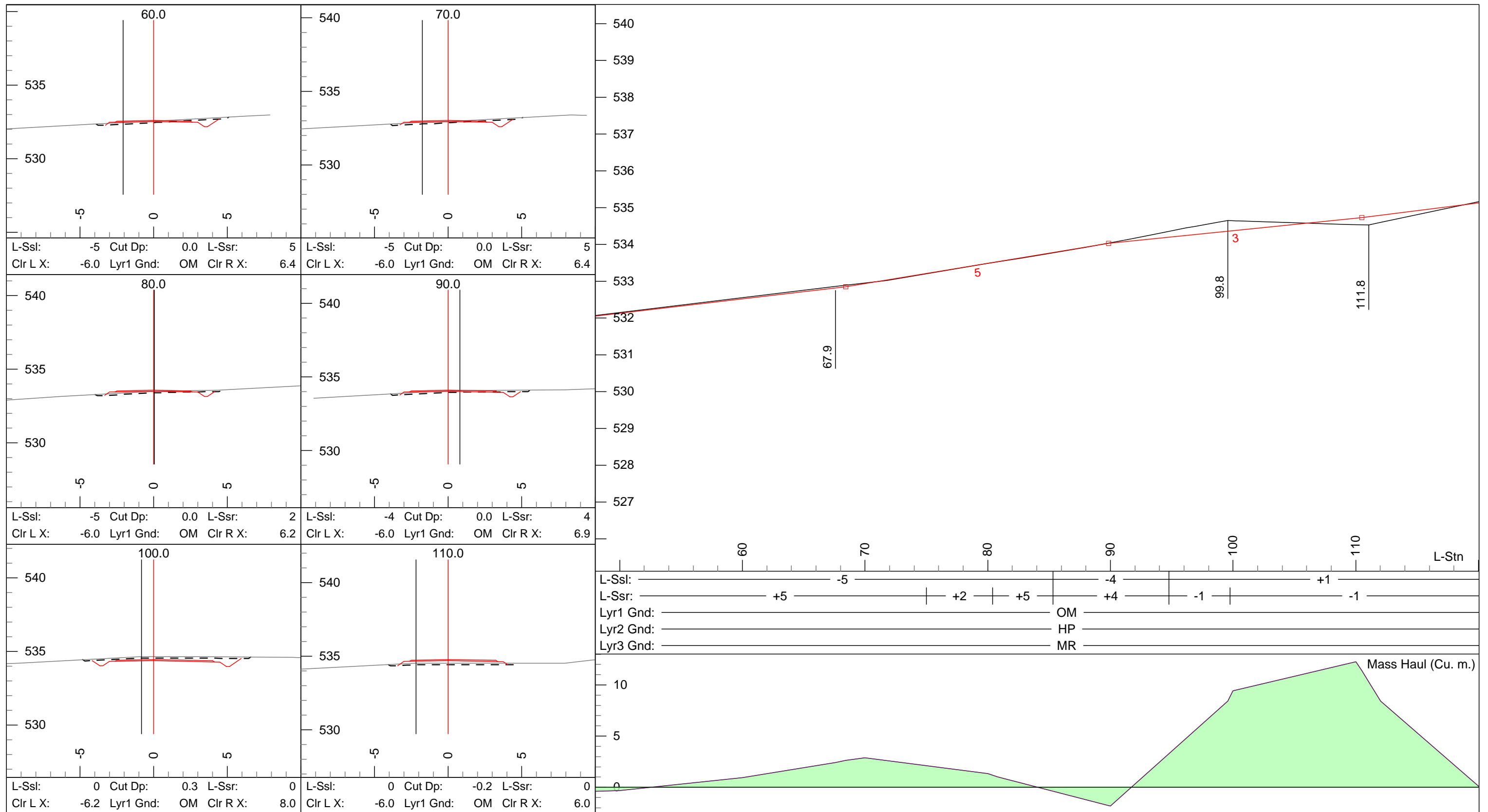
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— L-line Centreline Location	— RoW Clearing Width			



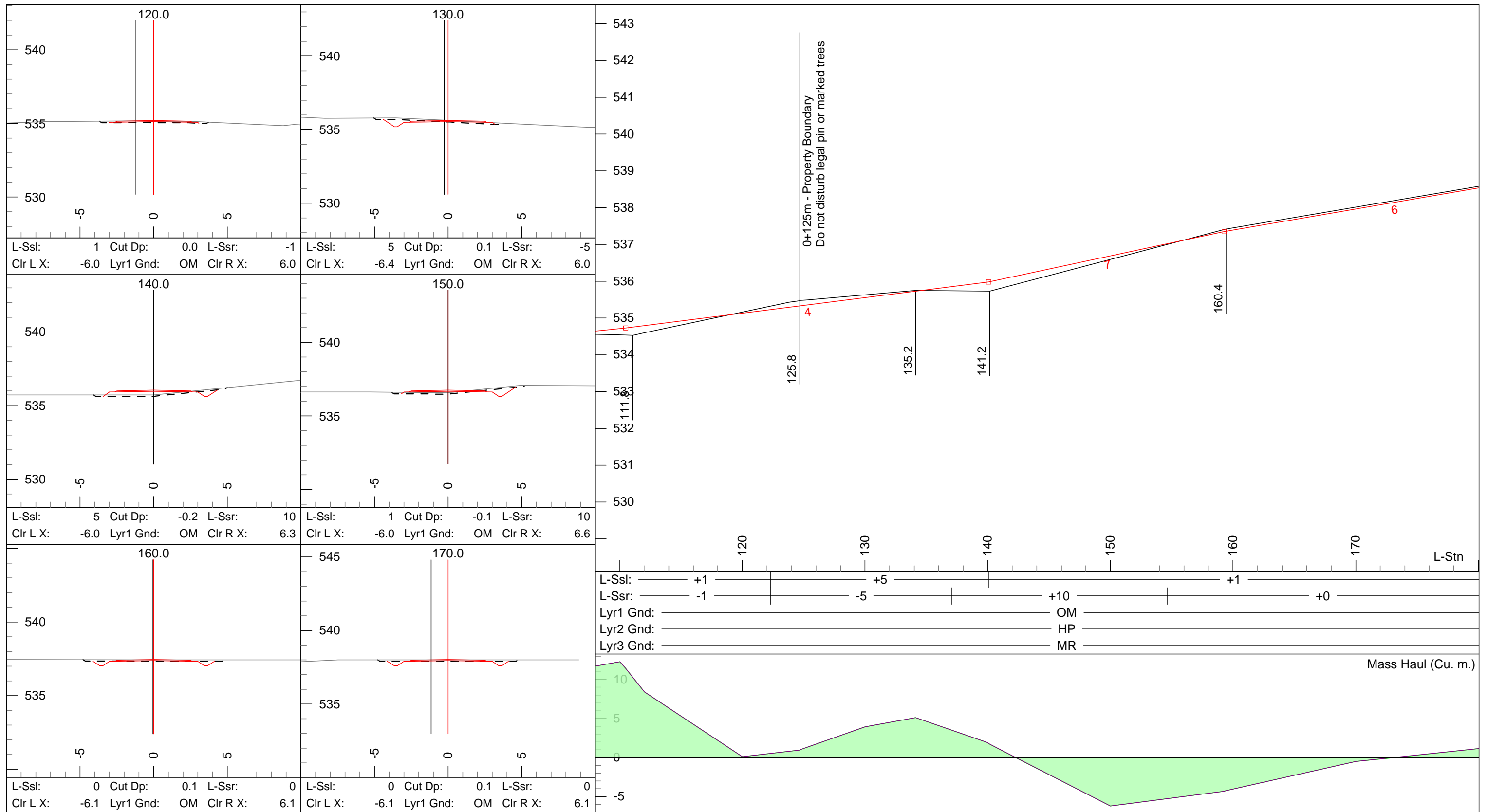
Legend		Page 3 of 20	Prepared on: August 21, 2018	Weeks Main Construction Design
— P-Line Location	— L-Line Road Edge	Plan Scale 1:800	Designed by: Nathan Prenger, FIT Watershed Technician - Roads CRD IWS - Watershed Protection	
—□— L-line Centreline Location	— RoW Clearing Width			



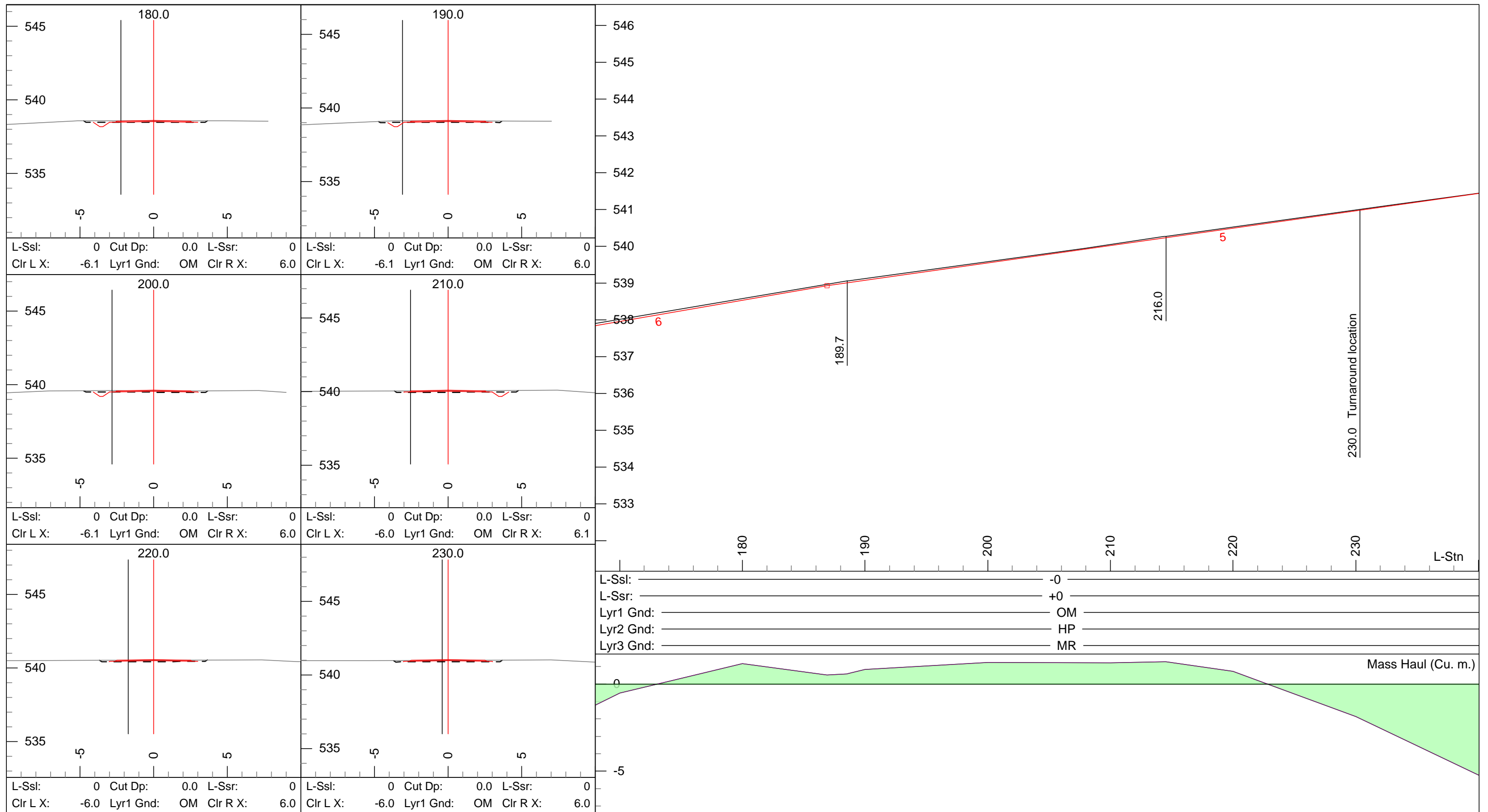
Legend		Page 4 of 20	Prepared on: August 21, 2018	Weeks Main Construction Design
— Section Road Prism	— L-line Location	Section Scale 1:250	Designed by: Nathan Prenger, FIT Watershed Technician - Roads CRD IWS - Watershed Protection	
— Section Topography	— P-line Location	Profile Vert Scale 1:100		
— Culvert	- - - Overburden Removal	Profile Horiz Scale 1:300		



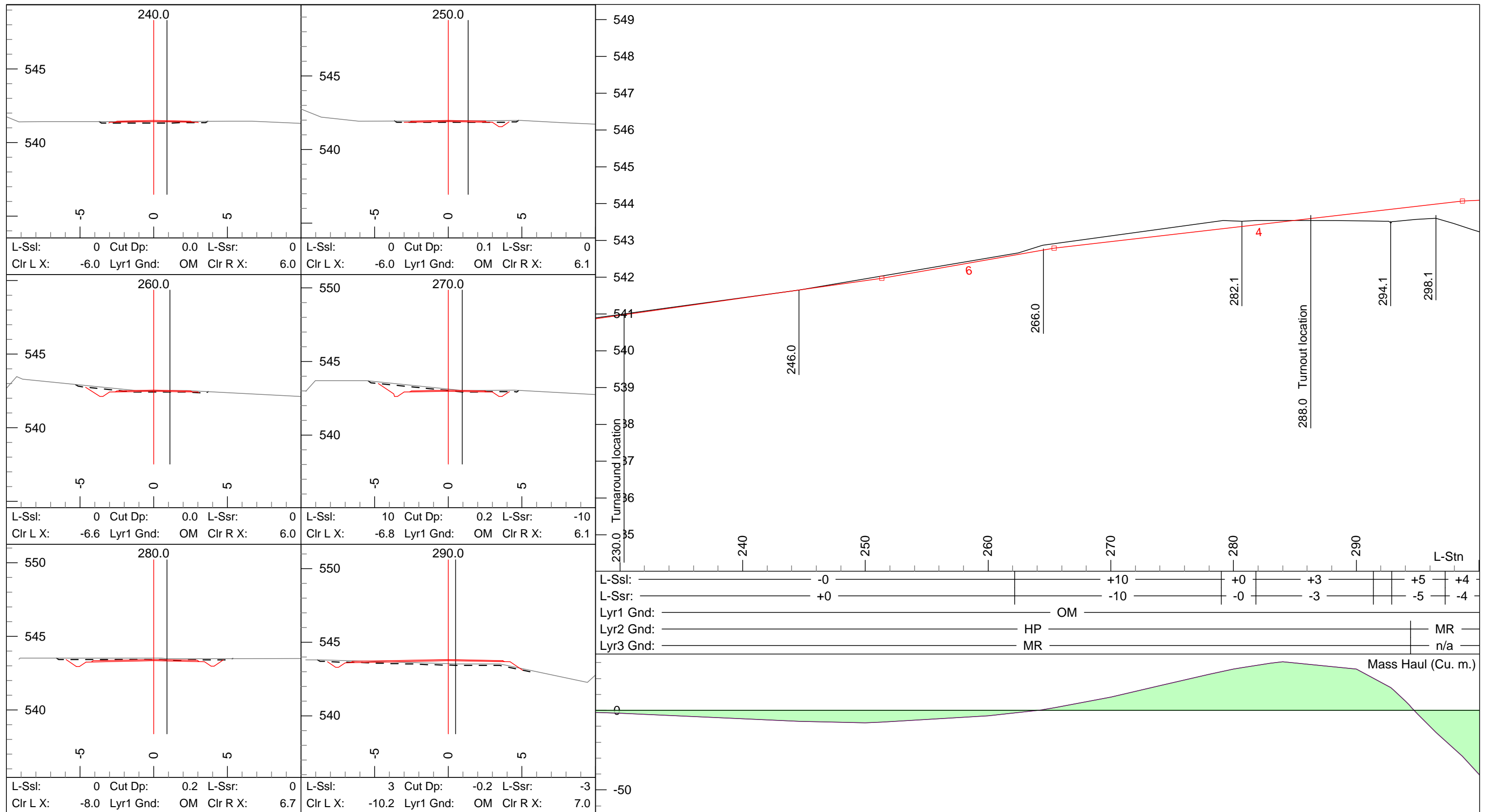
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— Section Road Prism	— L-line Location	Section Scale 1:250	Designed by: Nathan Prenger, FIT Watershed Technician - Roads CRD IWS - Watershed Protection	
— Section Topography	— P-line Location	Profile Vert Scale 1:100		
— Culvert	- - - Overburden Removal	Profile Horiz Scale 1:300		



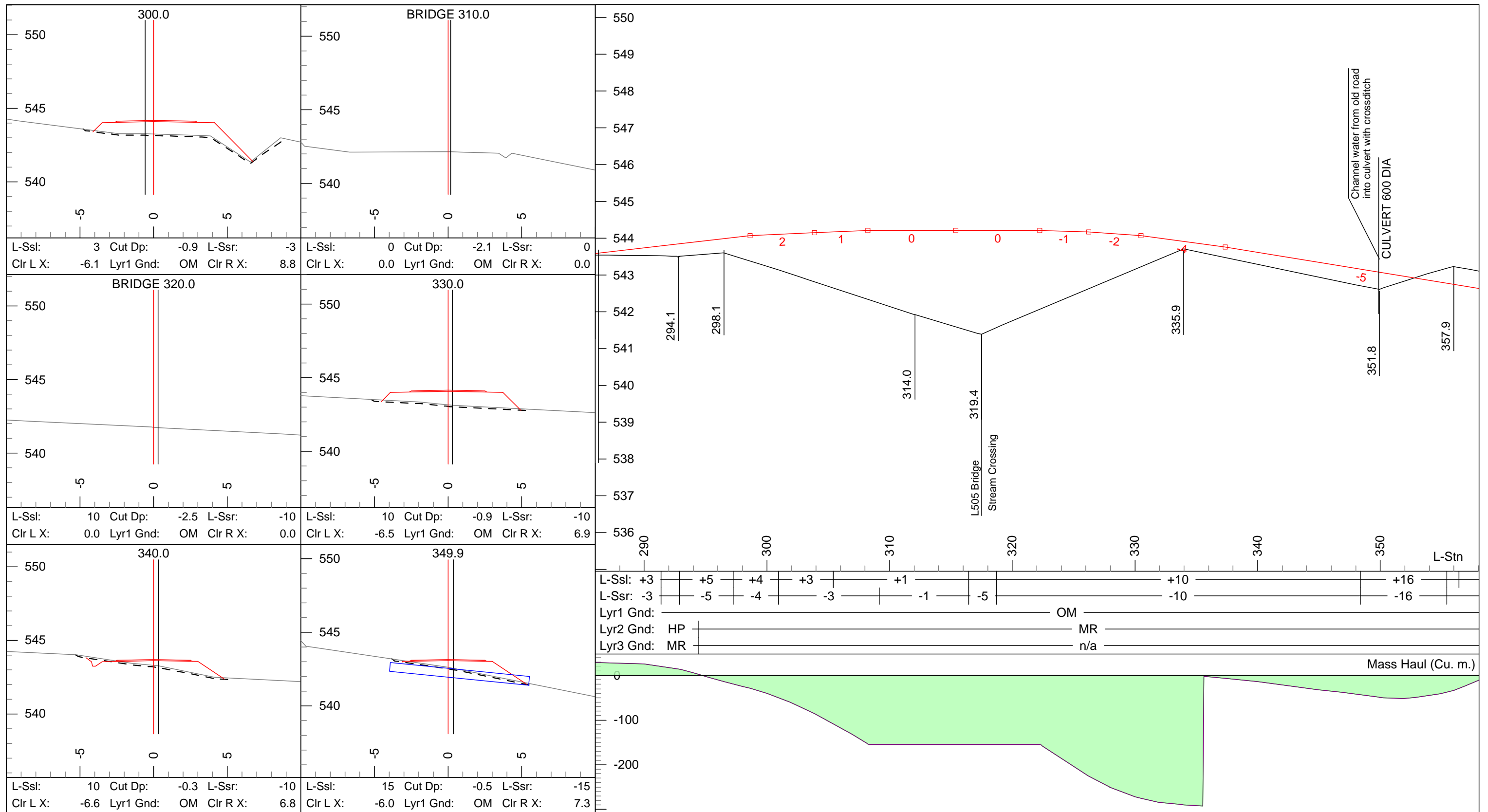
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— Section Road Prism	— L-line Location	Section Scale 1:250	Designed by: Nathan Prenger, FIT Watershed Technician - Roads CRD IWS - Watershed Protection	
— Section Topography	— P-line Location	Profile Vert Scale 1:100		
— Culvert	- - - Overburden Removal	Profile Horiz Scale 1:300		



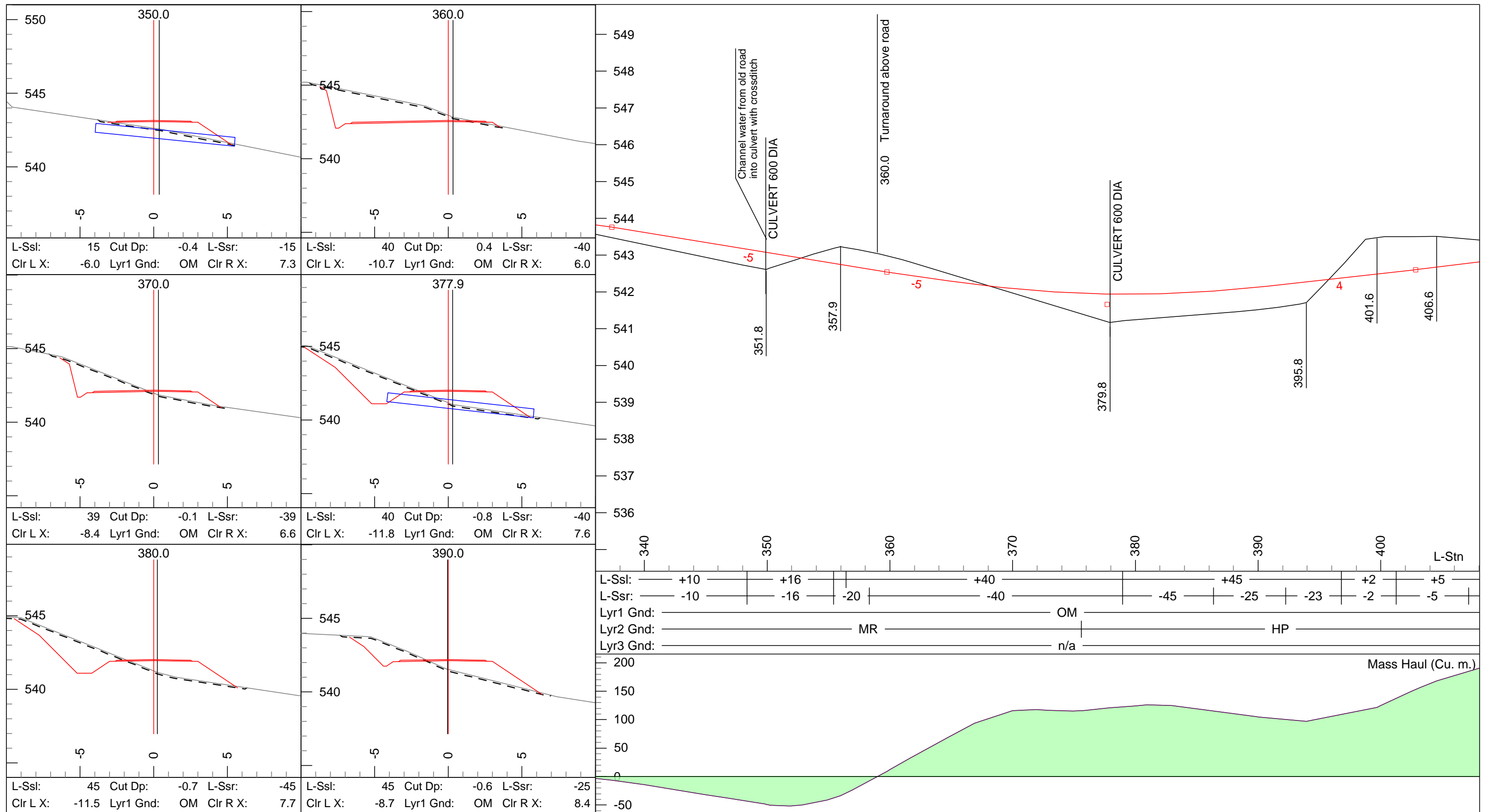
Legend		Page 7 of 20	Prepared on: August 21, 2018	Weeks Main Construction Design
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— Section Topography	— P-line Location	Profile Vert Scale 1:100	Watershed Technician - Roads	
— Culvert	- - - - Overburden Removal	Profile Horiz Scale 1:300	CRD IWS - Watershed Protection	



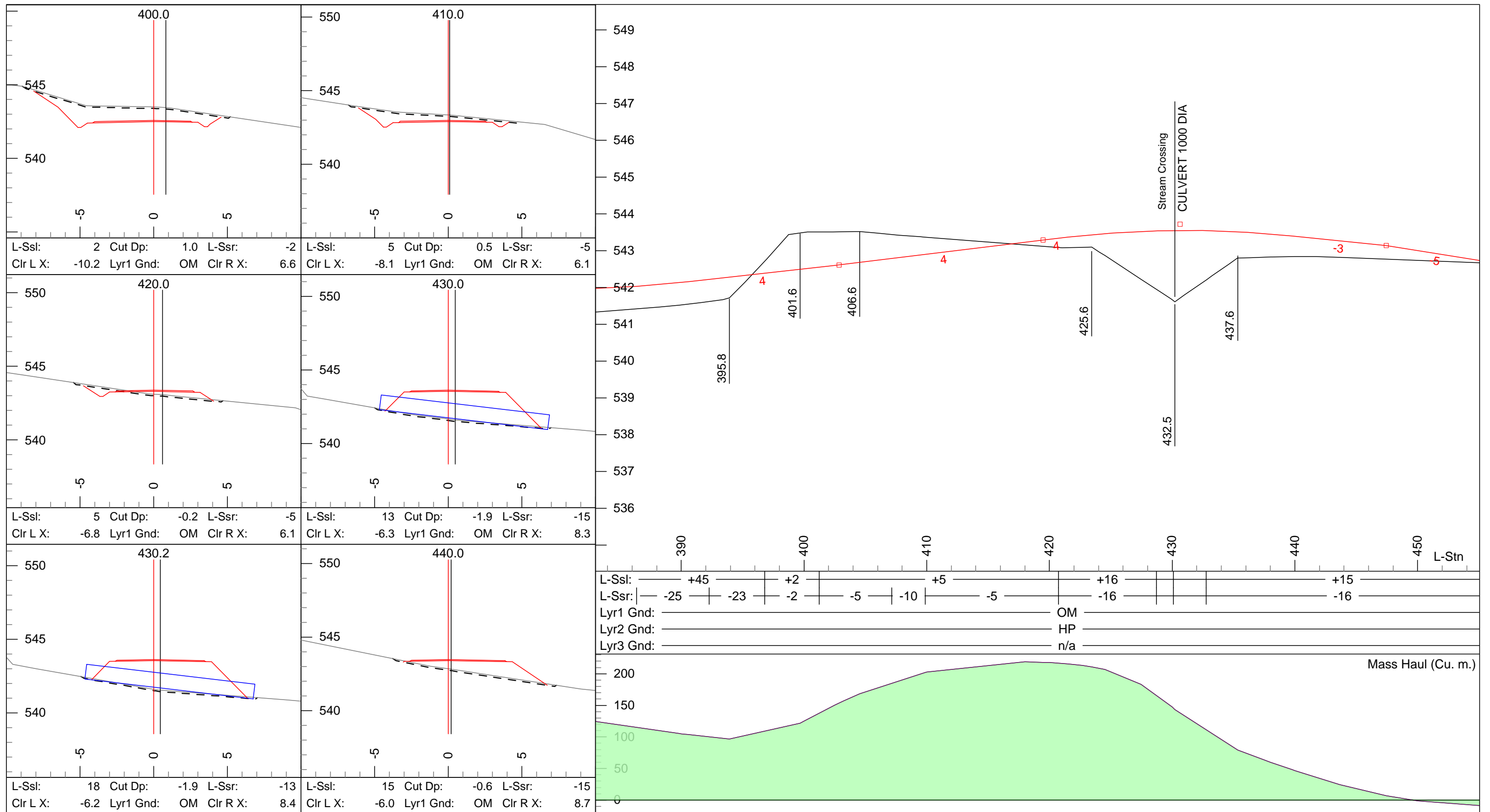
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— Section Topography	— P-line Location	Profile Vert Scale 1:100		
— Culvert	- - - Overburden Removal	Profile Horiz Scale 1:300		



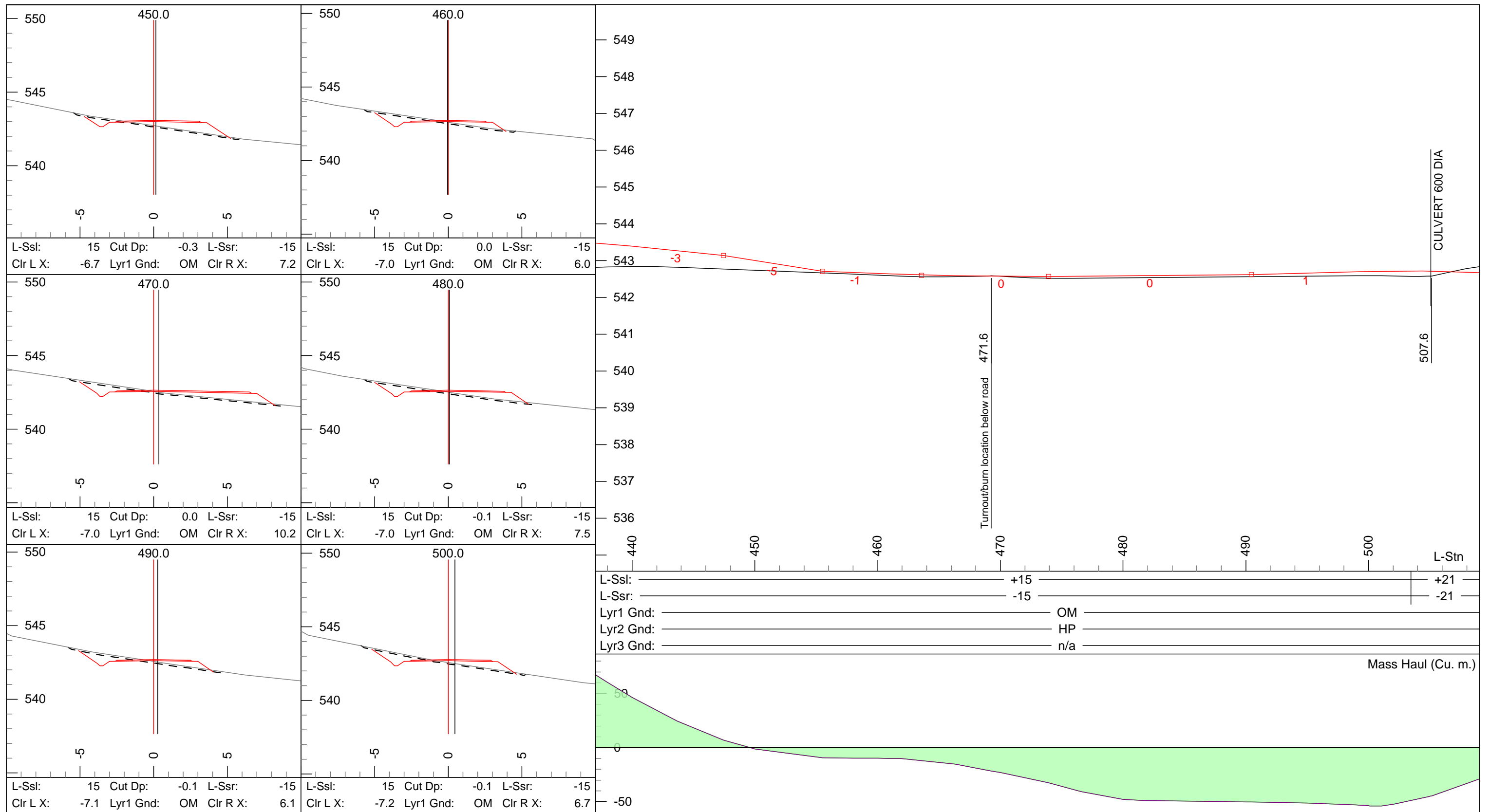
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— Section Topography	— P-line Location	Profile Vert Scale 1:100		
— Culvert	- - - Overburden Removal	Profile Horiz Scale 1:300		



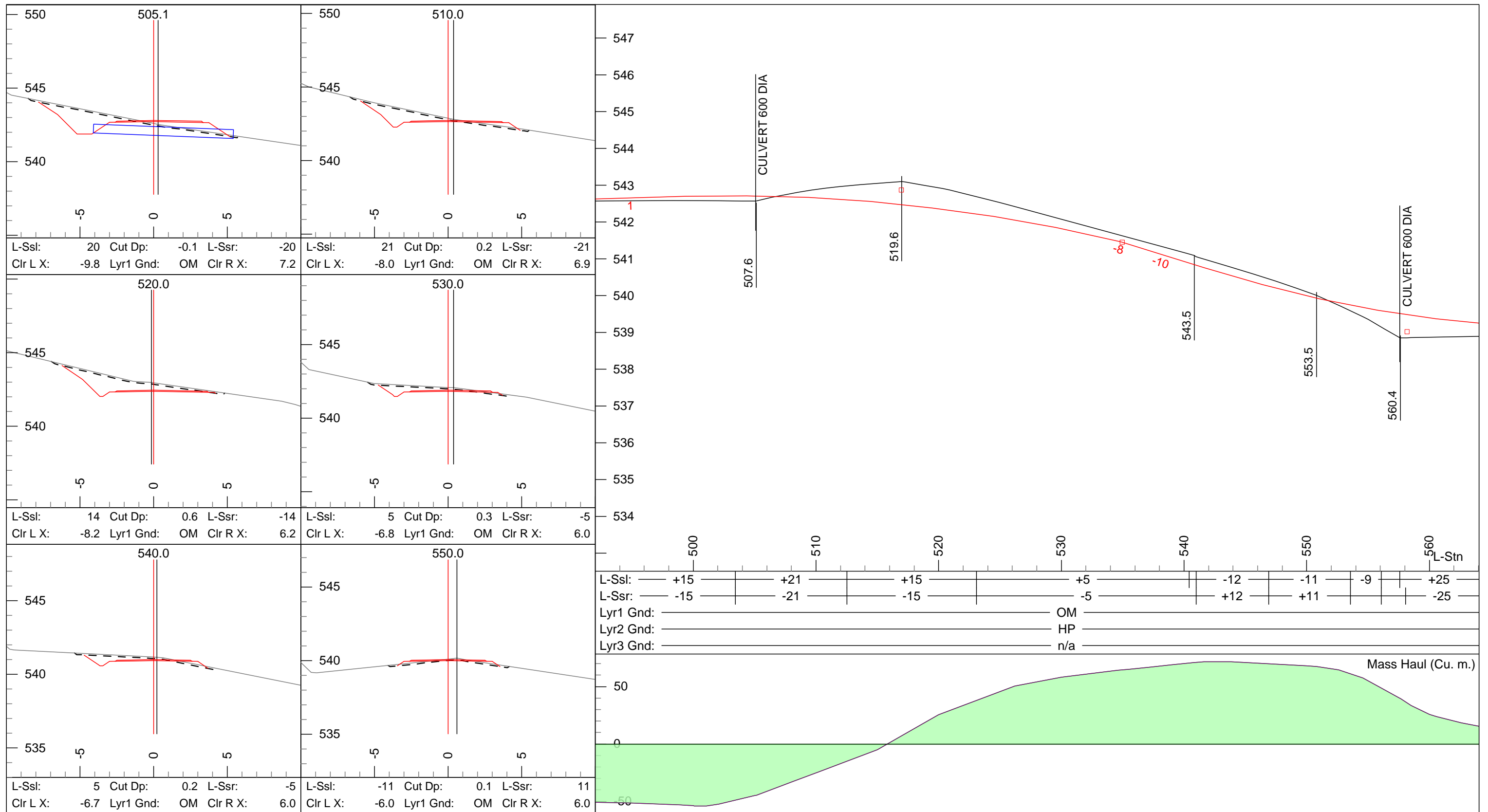
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— Section Topography	— P-line Location	Profile Vert Scale 1:100		
— Culvert	- - - Overburden Removal	Profile Horiz Scale 1:300		



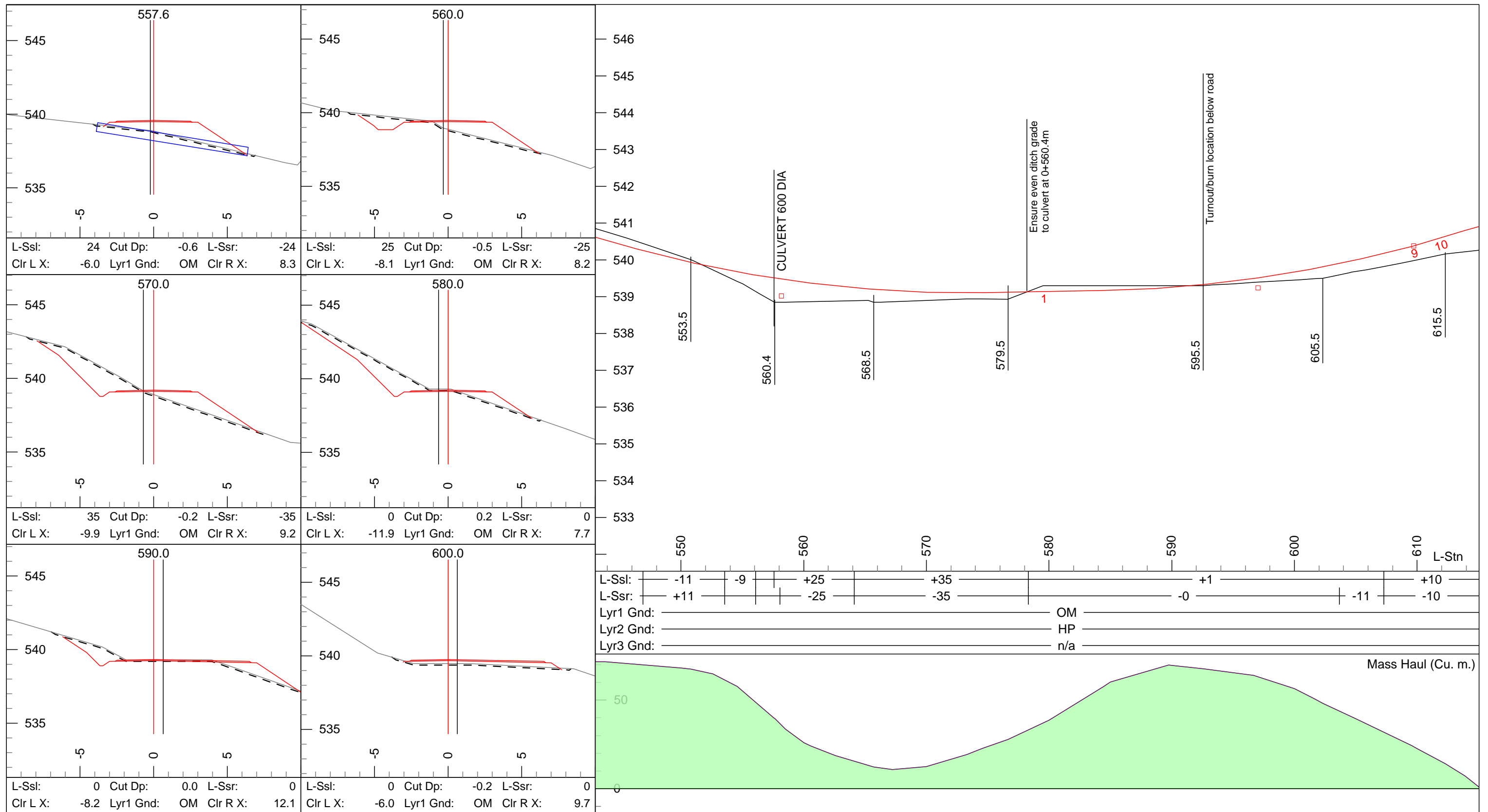
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— Section Road Prism	— L-line Location	Section Scale 1:250	Designed by: Nathan Prenger, FIT Watershed Technician - Roads CRD IWS - Watershed Protection	
— Section Topography	— P-line Location	Profile Vert Scale 1:100		
— Culvert	- - - Overburden Removal	Profile Horiz Scale 1:300		



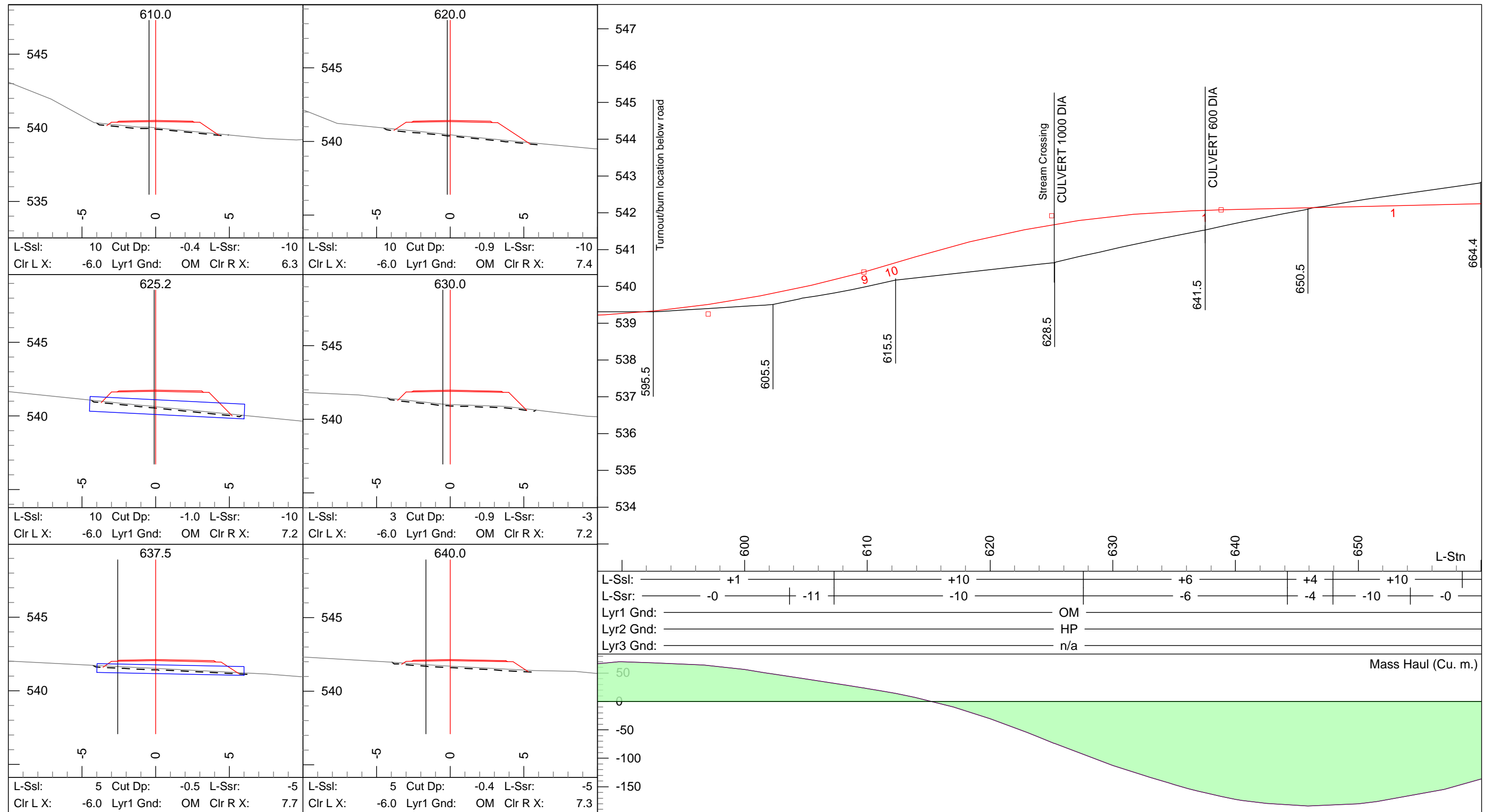
Legend		Page 12 of 20	Prepared on: August 21, 2018	Weeks Main Construction Design
— Section Road Prism	— L-line Location	Section Scale 1:250	Designed by: Nathan Prenger, FIT Watershed Technician - Roads CRD IWS - Watershed Protection	
— Section Topography	— P-line Location	Profile Vert Scale 1:100		
— Culvert	- - - - Overburden Removal	Profile Horiz Scale 1:300		



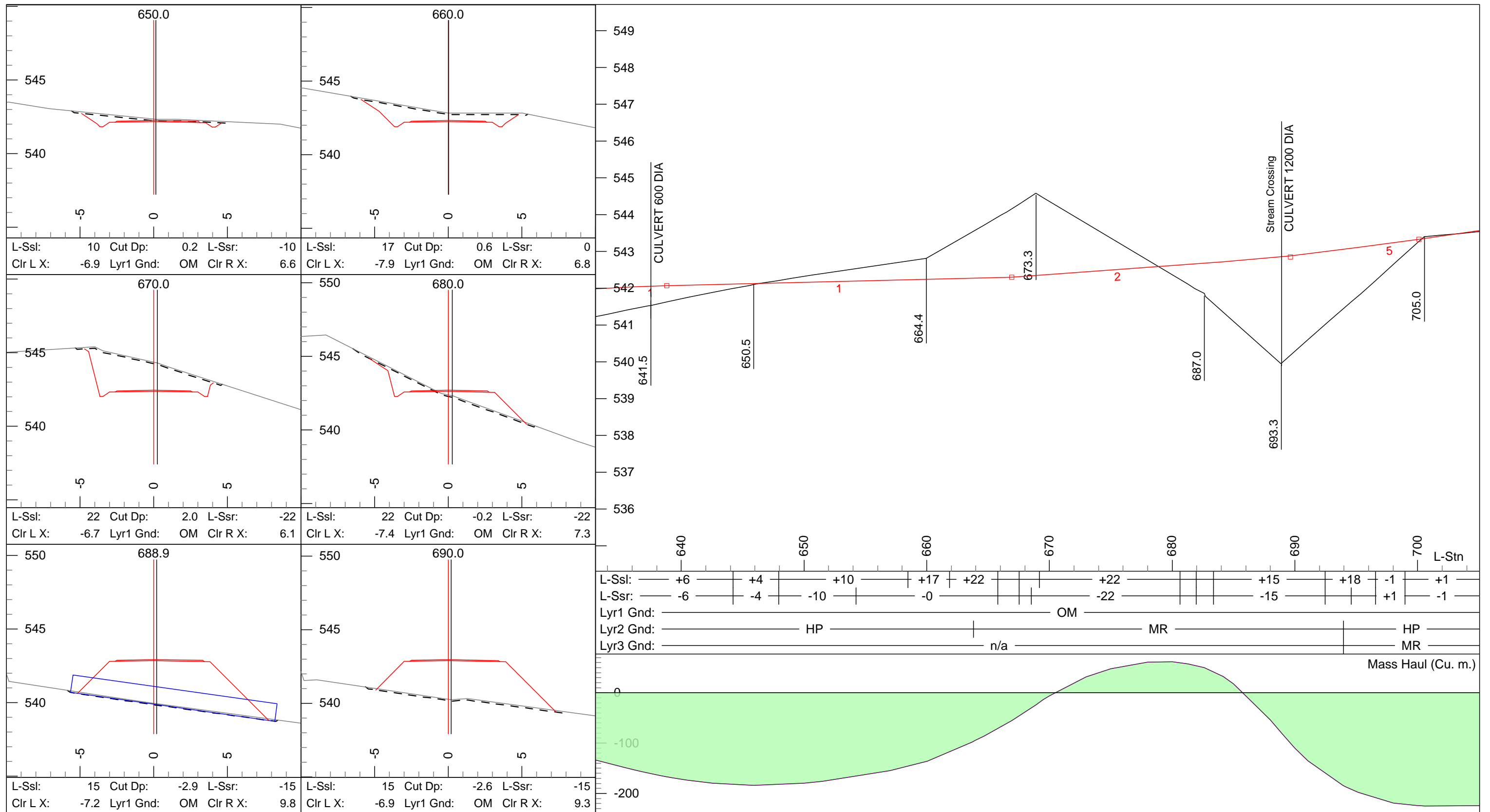
Legend		Page 13 of 20	Prepared on: August 21, 2018	Weeks Main Construction Design
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— Section Topography	— P-line Location	Profile Vert Scale 1:100	Watershed Technician - Roads	
— Culvert	- - - Overburden Removal	Profile Horiz Scale 1:300	CRD IWS - Watershed Protection	



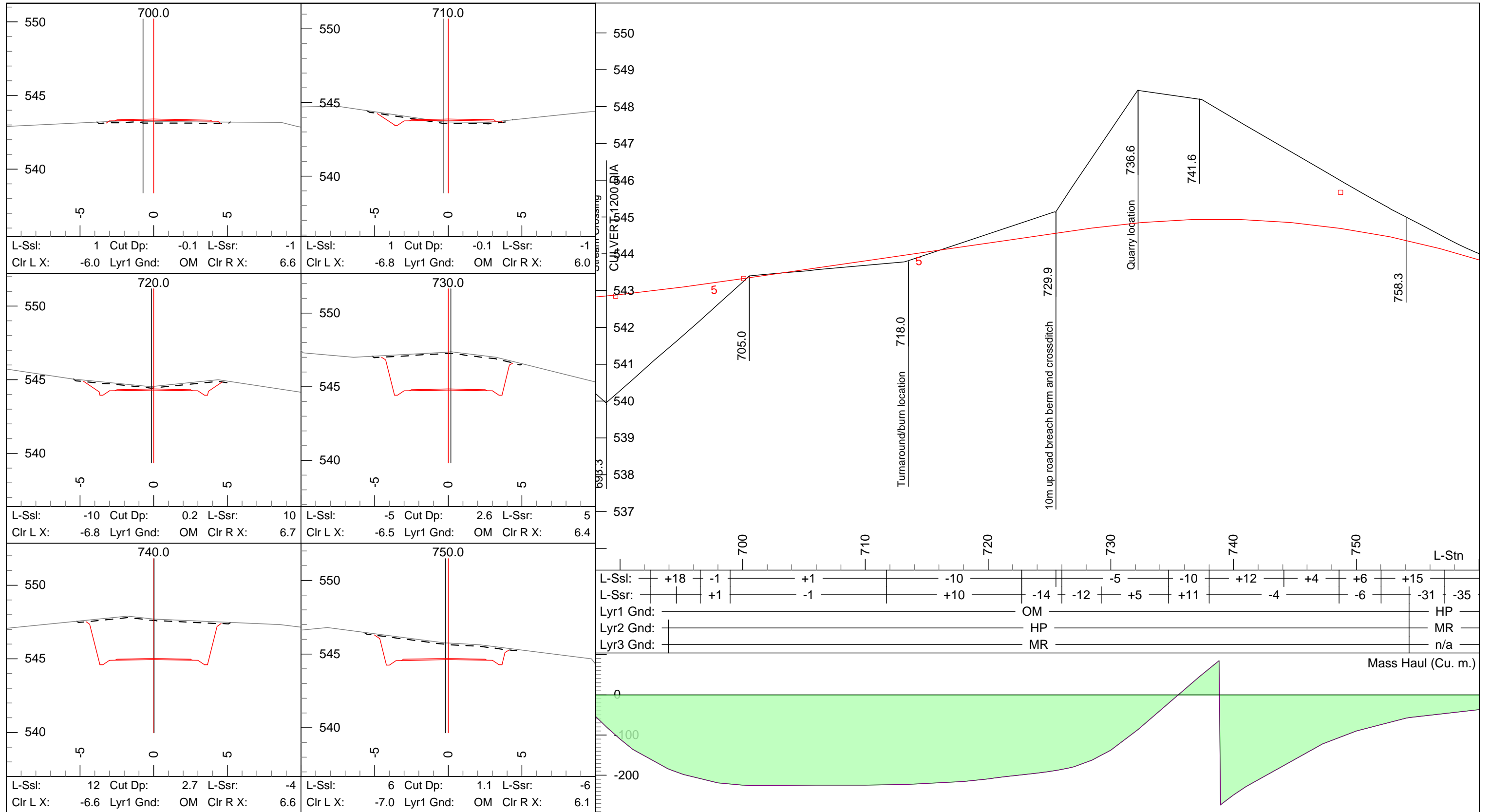
Legend		Page 14 of 20	Prepared on: August 21, 2018	Weeks Main Construction Design
— Section Road Prism	— L-line Location	Section Scale 1:250	Designed by: Nathan Prenger, FIT Watershed Technician - Roads CRD IWS - Watershed Protection	
— Section Topography	— P-line Location	Profile Vert Scale 1:100		
— Culvert	- - - Overburden Removal	Profile Horiz Scale 1:300		



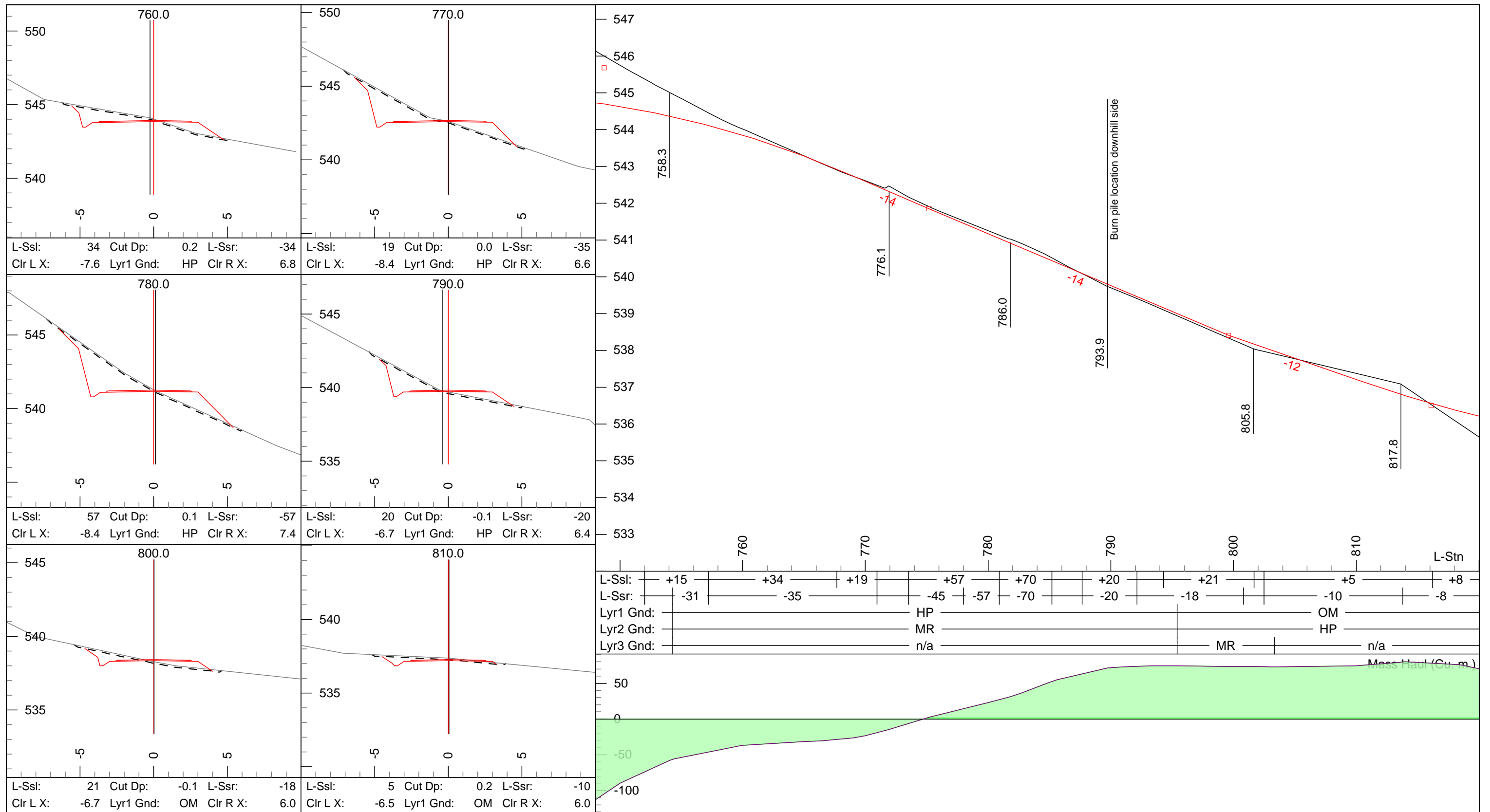
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— Culvert	- - - - Overburden Removal	Profile Horiz Scale 1:300	CRD IWS - Watershed Protection	



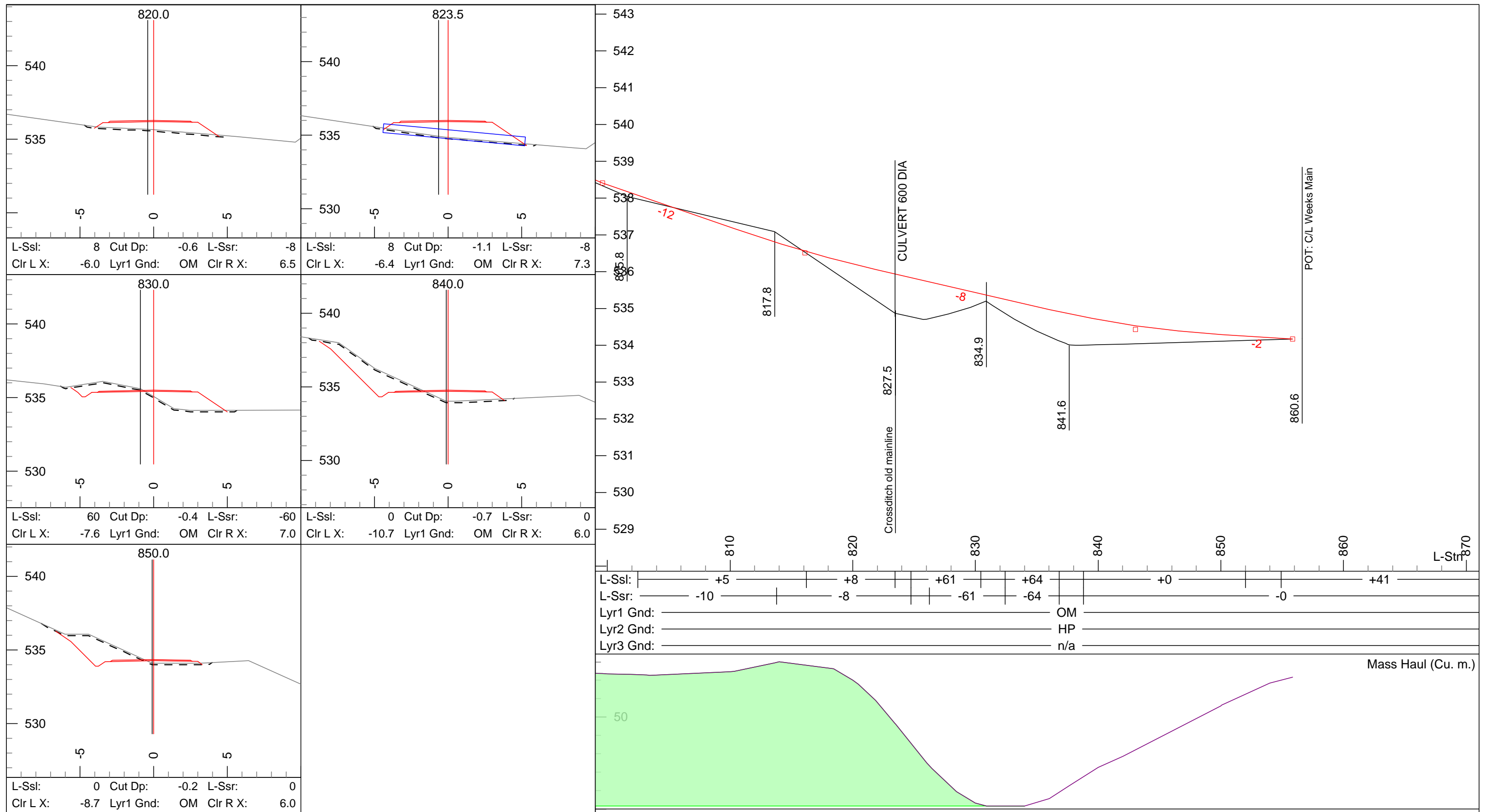
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— Section Topography	— P-line Location	Profile Vert Scale 1:100		
— Culvert	- - - Overburden Removal	Profile Horiz Scale 1:300		



Legend		Page 17 of 20	Prepared on: August 21, 2018	Weeks Main Construction Design
— Section Road Prism	— L-line Location	Section Scale 1:250	Designed by: Nathan Prenger, FIT Watershed Technician - Roads CRD IWS - Watershed Protection	
— Section Topography	— P-line Location	Profile Vert Scale 1:100		
— Culvert	- - - - Overburden Removal	Profile Horiz Scale 1:300		



Legend		Page 18 of 20	Prepared on: August 21, 2018	Weeks Main Construction Design
Section Road Prism	L-line Location	Section Scale 1:250	Designed by: Nathan Prenger, FIT	
Section Topography	P-line Location	Profile Vert Scale 1:100	Watershed Technician - Roads	
Culvert	Overburden Removal	Profile Horiz Scale 1:300	CRD IWS - Watershed Protection	



Legend		Page 19 of 20	Prepared on: August 21, 2018	Weeks Main Construction Design
— Section Road Prism	— L-line Location	Section Scale 1:250	Designed by: Nathan Prenger, FIT Watershed Technician - Roads CRD IWS - Watershed Protection	
— Section Topography	— P-line Location	Profile Vert Scale 1:100		
— Culvert	- - - Overburden Removal	Profile Horiz Scale 1:300		

Additional Information and Specifications

Construction Specifications

Set Preparation:
 Minimum clearing width: 12 metres
 Minimum clearing from edge of cut/fill: 2 metres
 Corners: 2 metres additional clearing on inside edge
 Stripping: 0.5 metres from edge of cut/fill
 Grubbing: All non-timber woody debris to be piled at burn locations

Roadway Properties:
 Minimum subgrade width: 6 metres
 Minimum surface width: 5 metres
 Corners: Additional 1.5 meters width on inside edge
 Taper additional width over 20 meters in each direction from apex
 Horizontal Curves: Minimum 25 metre radius
 Vertical Curves: Maximum 5% gradient change over 10 metres
 Crown: 2% or 2 centimetres per 1 metre

Ditches:
 Shape: Flat-bottomed
 Minimum depth: 0.30 metres below subgrade surface
 Minimum width: 0.30 metre flat bottom width, follow angles of repose
 Sumps: Minimum depth - 0.80 metres below subgrade surface
 Minimum width - 1 metre bottom; 3 metres from subgrade surface to cut face
 Minimum length - 2 metres

Material Types and Angles of Repose:
 OM: Other Material - Cut 1.5H:1V, Fill 1.5H:1V
 HP: Hardpan - Cut 1H:1V, Fill 1.5H:1V
 TR: Toe Rock (<1.5m cut expected) - Cut 1H:4V, Fill 1H:1V
 MR: Medium rock (>1.5m cut expected) - Cut 1H:4V, Fill 1H:1V

Disclaimer

The subsurface material types in this design are expectations based on topographic features such as surficial bedrock outcrops. These are estimates and not meant to be taken as accurate measurements.

The information on this sheet is meant for convenience purposes. For complete information refer to all other project documentation and applicable legislation (e.g. General design specifications, maps, water quality and environmental protection plans, site safety plan, Workers Compensation Act, Water Sustainability Act, Wildfire Act).

Culvert Information

P-Stn m.	Cul DIA mm.	Cul Len m.	Cul Skew deg.	Cul Fill m.	Cul Dip %
351.8	600	9.5	90	0.5	10
379.8	600	10.0	90	0.6	11
432.5	1000	11.5	90	0.8	12
507.6	600	9.5	90	0.3	4
560.4	600	10.5	81	0.7	16
628.5	1000	10.5	90	0.6	5
642.4	600	10.0	90	0.3	2
693.3	1200	14.0	90	1.8	14
827.5	600	10.0	75	0.6	9

Culvert Installation Specifications

Stream Crossings:
 Minimum cover depth: Half of the culvert diameter
 Armouring: Key in armouring at inlet and outlet with appropriately-sized material
 Compaction: Compact fill around culvert in 0.3 metre lifts with large plate tamper
 Slope: Match inlet and outlet inverts to bottom of stream channel

Crossdrains:
 Minimum cover depth: Half of the culvert diameter
 Skew: Move outlet 3 degrees from perpendicular per percent of road grade
 Slope: Recommended slope (dip) in Culvert Info table. Do not exceed 20%
 Compaction: Compact fill around culverts in 0.3 metre lifts
 Armouring: Key in armouring at inlet and outlet

Turnaround Locations

0+000m
 0+230m
 0+718m

Turnout Locations

0+288m
 0+360m
 0+471m
 0+595m

Debris Burn Locations

0+471m
 0+595m
 0+718m
 0+793m

Timber Decking Areas

0+000m - On WM400 spur
 0+860m - On old Weeks Main