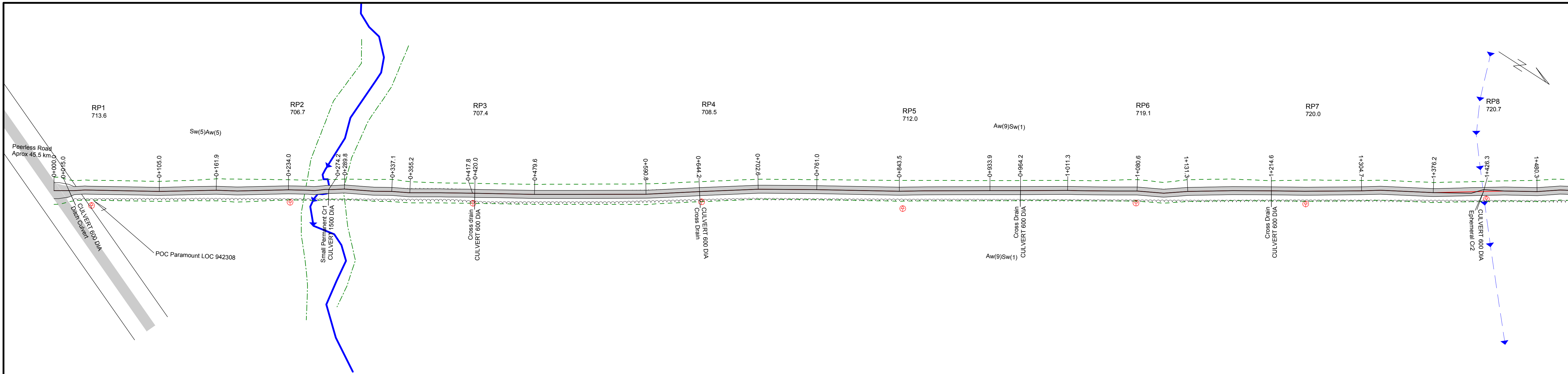


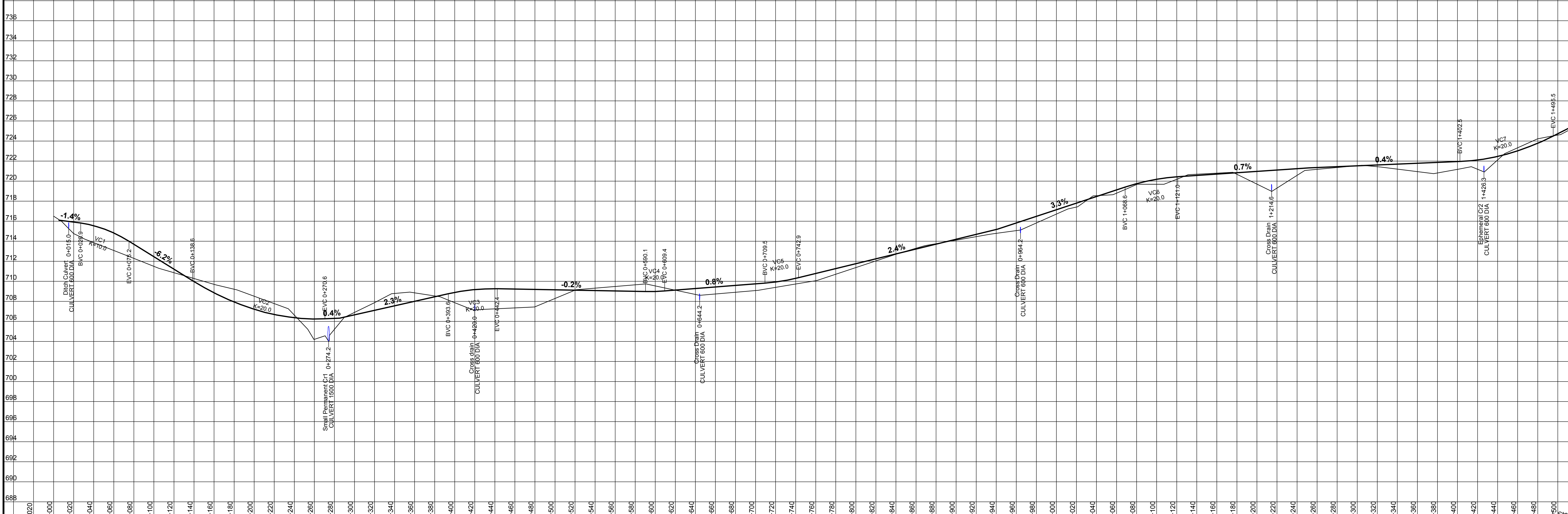
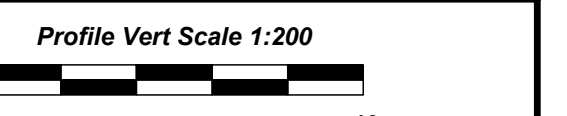
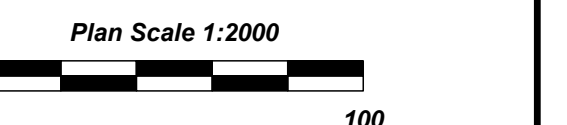
PLAN & PROFILE
 Northern Alberta Road 1
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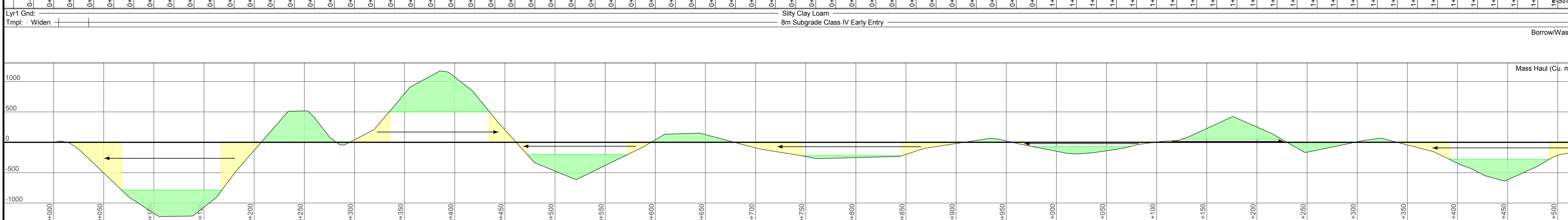
TYPICAL CROSS SECTION

Legend

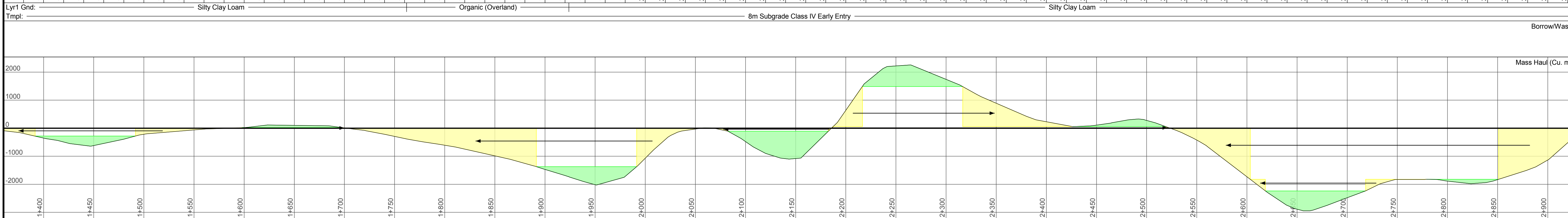
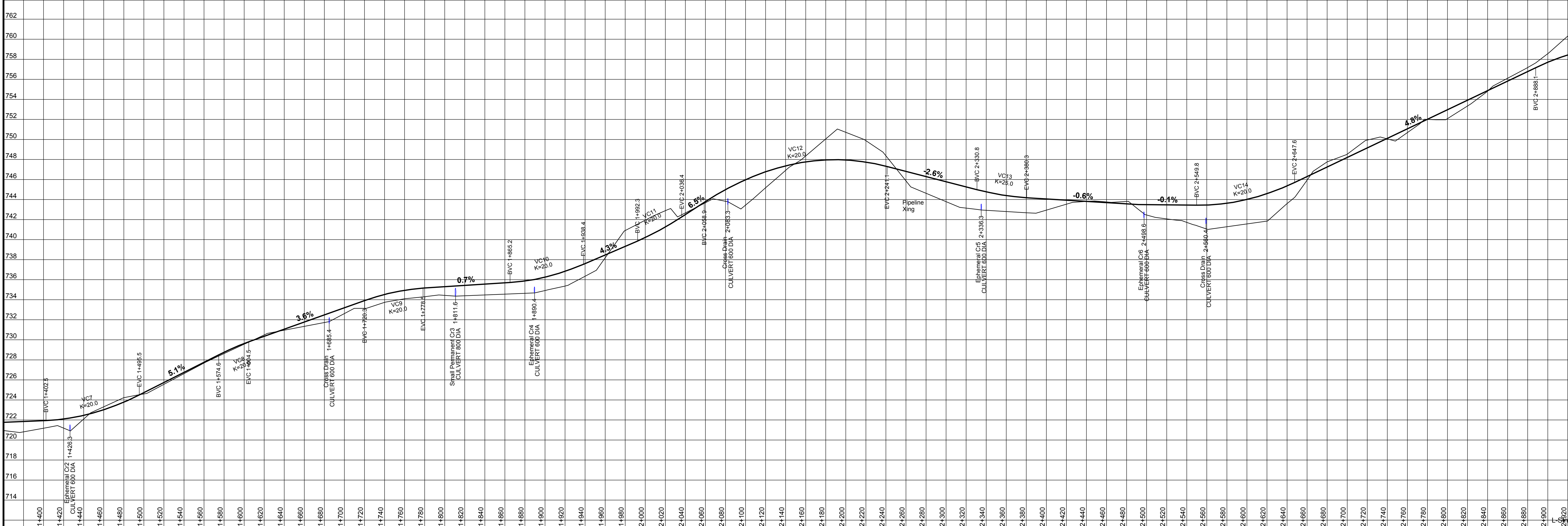
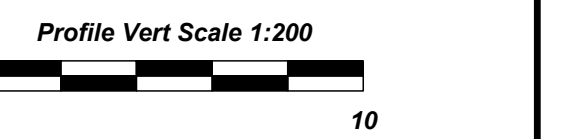
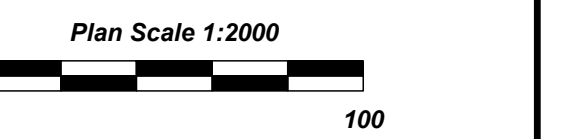
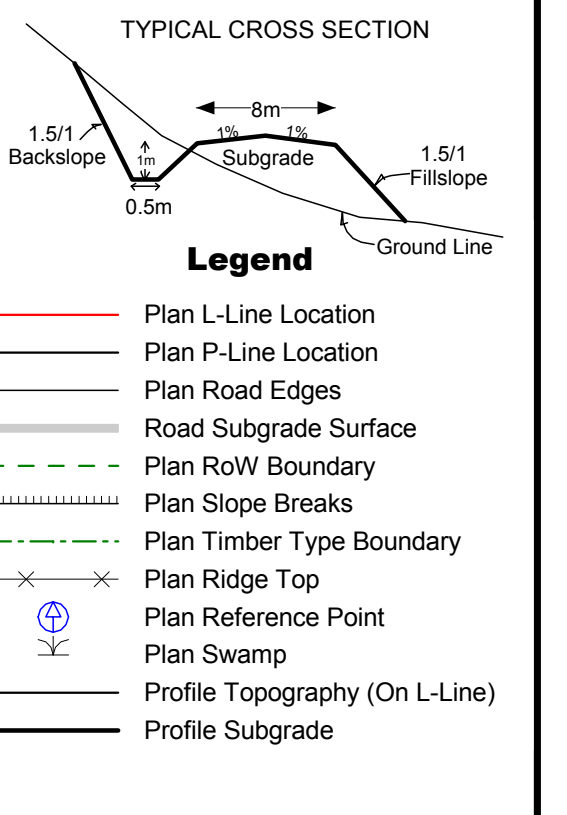
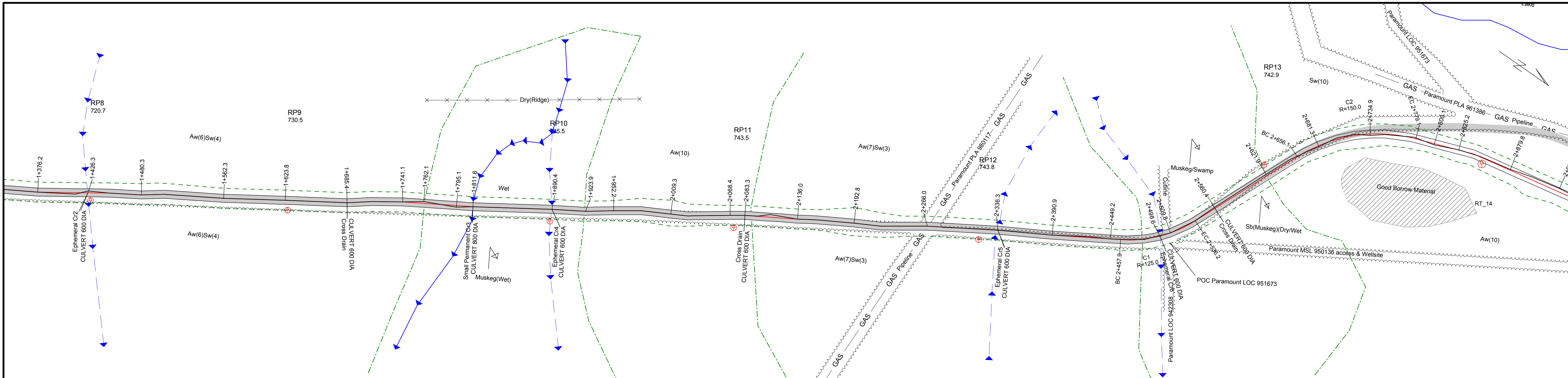
- Plan L-Line Location
- Plan P-Line Location
- Plan Road Edges
- Road Subgrade Surface
- Plan RoW Boundary
- Plan Slope Breaks
- Plan Timber Type Boundary
- Plan Ridge Top
- Plan Reference Point
- Plan Swamp
- Profile Topography (On L-Line)
- Profile Subgrade



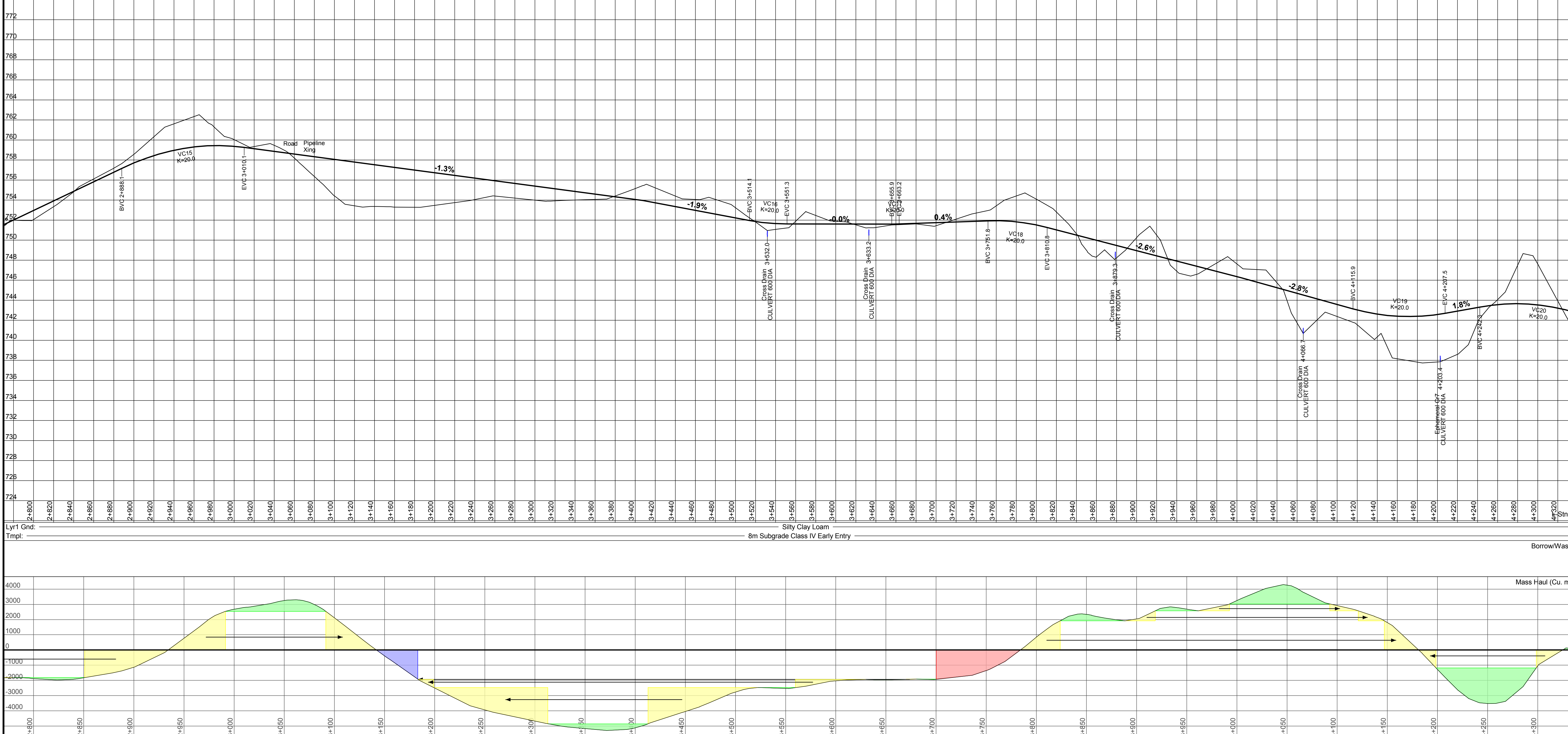
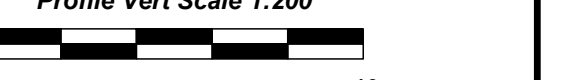
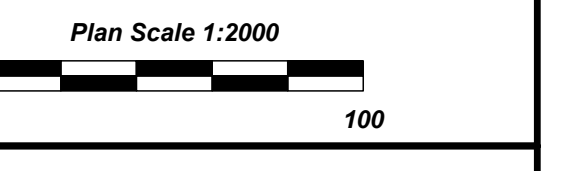
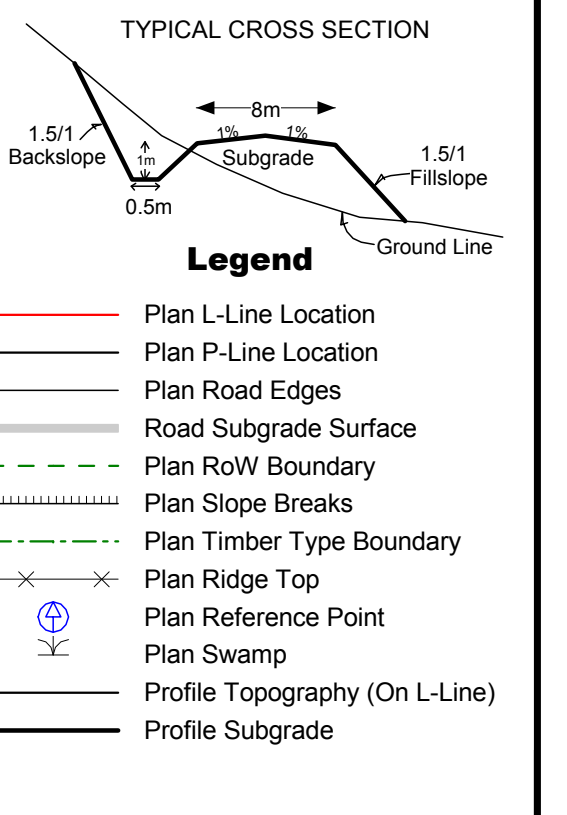
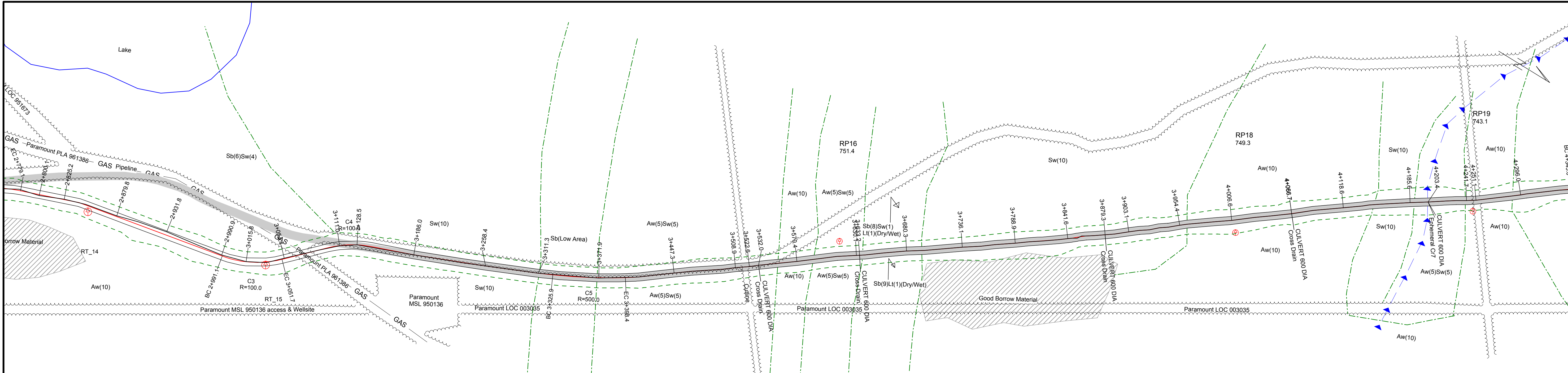
P-Station	Cut Dp.	Cl. Elev.	Cut DIA.	Cut Len.
0+000.0	0.0	716.5		
0+007.5	-0.1	716.1		
0+015.0	-0.7	715.0	600	18.1
0+020.1	-1.1	715.0		
0+030.9	-1.5	715.8		
0+105.0	-0.8	712.1		
0+161.9	0.9	708.8		
0+182.8	1.3	707.8		
0+234.0	0.8	706.4		
0+253.4	-1.0	706.3		
0+259.6	-2.0	706.2		
0+270.8	-1.7	706.3	1500	20.0
0+274.2	-2.3	706.3	1500	
0+274.9	-2.2	706.3		
0+275.3	-1.7	706.3		
0+289.8	-0.0	706.4		
0+319.4	0.7	707.1		
0+337.1	1.3	707.5		
0+355.2	1.0	707.9		
0+385.3	-0.1	708.6		
0+417.8	-2.0	709.2	600	15.0
0+420.0	-2.0	709.2		
0+476.6	-1.7	709.2		
0+521.0	0.0	709.1		
0+590.8	0.8	709.0		
0+644.2	-0.7	709.3	600	12.0
0+644.2	-0.7	709.3	600	
0+702.6	-0.7	709.8		
0+761.0	-0.7	710.8		
0+843.5	0.0	712.8		
0+868.8	0.1	713.4		
0+933.9	-0.3	715.0		
0+964.2	-0.8	716.0	600	12.0
0+964.2	-0.8	716.0	600	
1+011.3	-0.3	717.5		
1+021.2	-0.4	717.8		
1+036.6	0.2	718.3		
1+055.4	0.4	719.0		
1+080.6	-0.1	719.8		
1+107.1	-0.6	720.3		
1+131.3	0.1	720.5		
1+176.0	0.1	720.8		
1+214.6	-2.1	721.1	600	14.0
1+214.6	-2.1	721.1	600	
1+247.6	-0.2	721.3		
1+304.7	0.0	721.5		
1+323.5	-0.2	721.8		
1+375.2	-1.1	721.8		
1+414.0	-0.6	722.0		
1+426.3	-1.3	722.2	600	12.0
1+426.8	-1.3	722.2	600	
1+447.6	0.1	722.5		
1+480.3	0.5	723.8		
1+503.3	-0.2	724.9		



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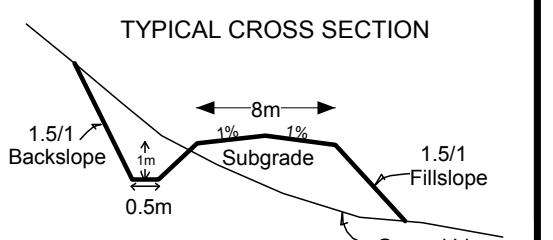


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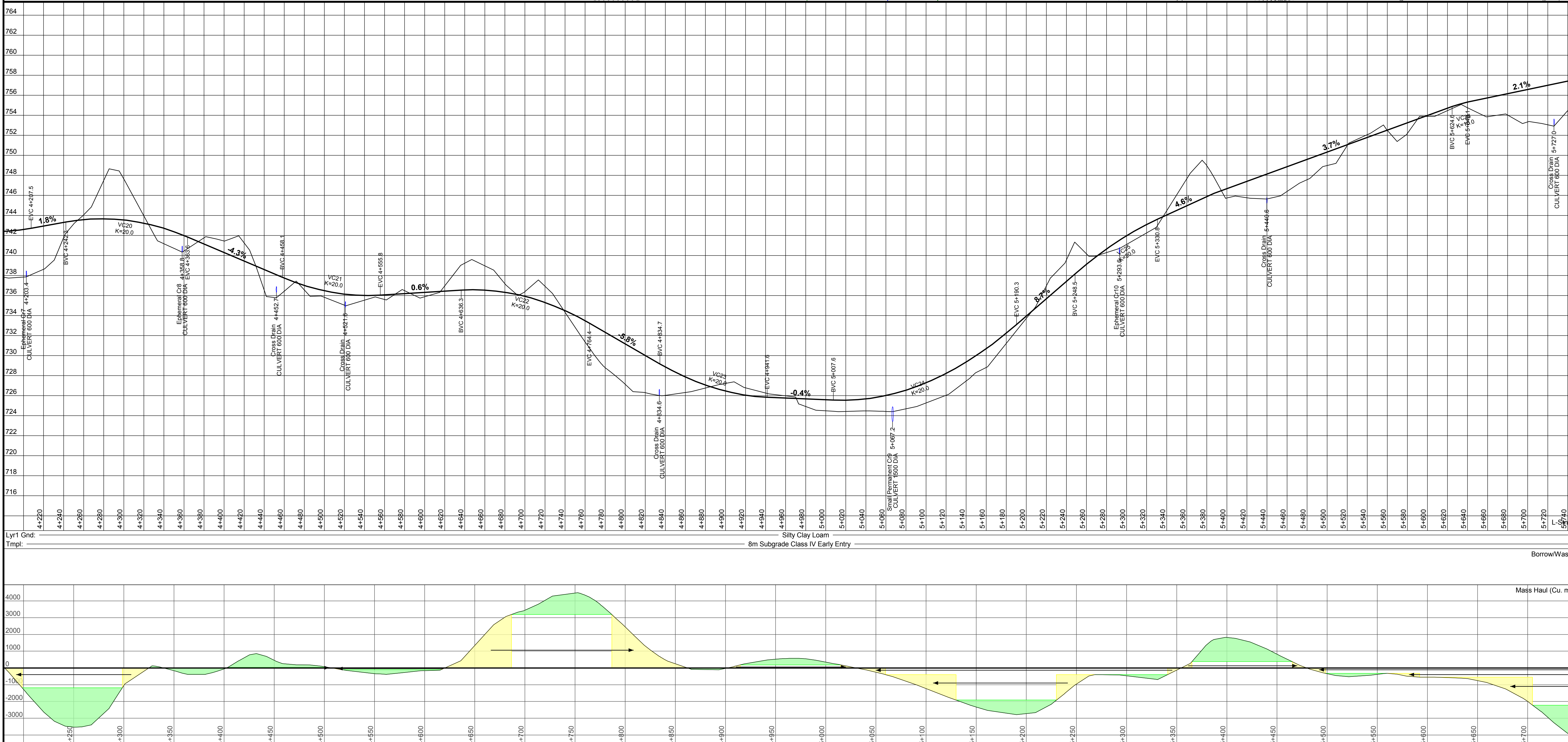
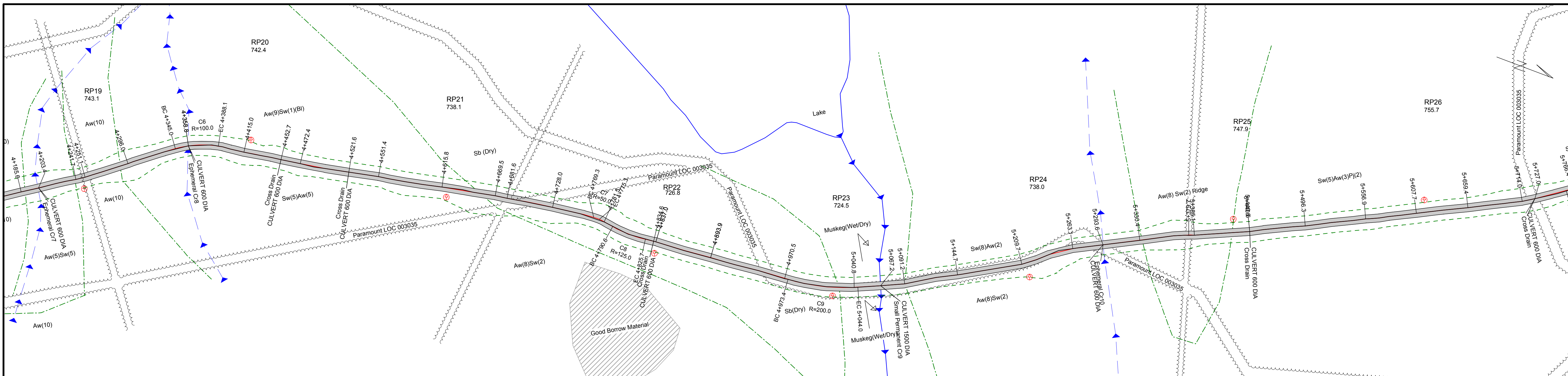
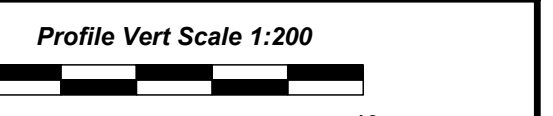
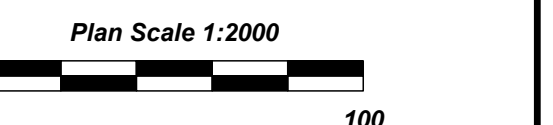


P-Station	Cut Dp.	Cl. Elev.	Cut DIA	Cut Len
2+779.1	0.1	751.9		
2+800.1	-0.9	752.9		
2+825.2	-0.5	754.1		
2+847.1	0.2	755.1		
2+879.8	0.4	756.7		
2+902.2	0.9	757.8		
2+931.8	2.5	758.8		
2+965.0	3.2	759.4		
2+990.9	0.9	759.4		
3+015.8	0.1	759.2		
3+036.1	0.7	758.9		
3+054.4	0.1	758.7		
3+080.3	-2.7	758.2		
3+111.0	4.3	757.9		
3+128.5	-4.4	757.7		
3+186.0	-3.6	756.9		
3+235.6	-2.3	756.3		
3+254.4	1.5	755.0		
3+311.3	-1.4	755.3		
3+371.9	-0.3	754.4		
3+411.4	1.7	753.9		
3+447.3	0.9	753.2		
3+461.6	1.1	752.9		
3+473.6	1.6	752.7		
3+495.9	1.2	752.3		
3+508.9	0.5	752.1		
3+522.6	-0.2	751.8		
3+532.0	0.7	751.7	600	13.0
3+532.0	-0.7	751.7	600	
3+553.3	-0.4	751.6		
3+570.4	1.2	751.6		
3+594.4	0.3	751.6		
3+615.0	0.2	751.6		
3+630.1	-0.4	751.6		
3+633.2	-0.4	751.6	600	12.0
3+638.4	-0.4	751.6		
3+650.4	-0.1	751.5		
3+680.3	-0.0	751.7		
3+698.3	-0.4	751.7		
3+736.1	0.8	751.9		
3+754.4	1.1	751.9		
3+769.0	2.1	751.9		
3+788.9	3.0	751.7		
3+802.2	2.5	751.5		
3+816.7	2.0	751.1		
3+832.4	0.9	750.7		
3+841.6	-0.0	750.5		
3+845.7	-0.8	750.4		
3+851.1	-1.4	750.2		
3+855.9	-1.7	750.1		
3+860.1	-1.7	750.0		
3+863.7	-0.8	749.8		
3+878.6	-1.4	749.5		
3+879.3	-1.4	749.5	600	15.0
3+888.8	-0.3	749.3		
3+903.1	1.6	748.9		
3+913.7	2.8	748.6		
3+923.8	1.7	748.4		
3+934.1	-0.6	748.1		
3+942.8	-1.2	747.9		
3+954.4	-1.1	747.6		
3+962.0	-0.7	747.4		
3+991.3	1.8	746.6		
4+006.6	0.9	746.2		
4+025.5	1.5	745.6		
4+040.0	-0.1	745.1		
4+054.7	-0.7	744.9		
4+066.7	-3.8	744.5	600	18.0
4+066.7	-3.8	744.5	600	
4+088.5	-1.1	743.9		
4+110.6	-1.4	743.1		
4+137.7	-2.6	742.7		
4+144.3	-1.9	742.6		
4+155.5	-4.2	742.5		
4+185.6	-4.7	742.4		
4+203.3	-4.8	742.6	600	22.0
4+203.3	-4.8	742.6	600	
4+221.4	-4.3	742.9		
4+231.3	-3.6	743.1		
4+241.7	-1.2	743.3		
4+251.1	-0.3	743.5		
4+258.7	0.3	743.6		
4+268.3	1.2	743.6		
4+286.0	5.0	743.6		
4+296.0	4.9	743.6		
4+301.6	3.9	743.5		
4+334.1	-1.4	742.9		

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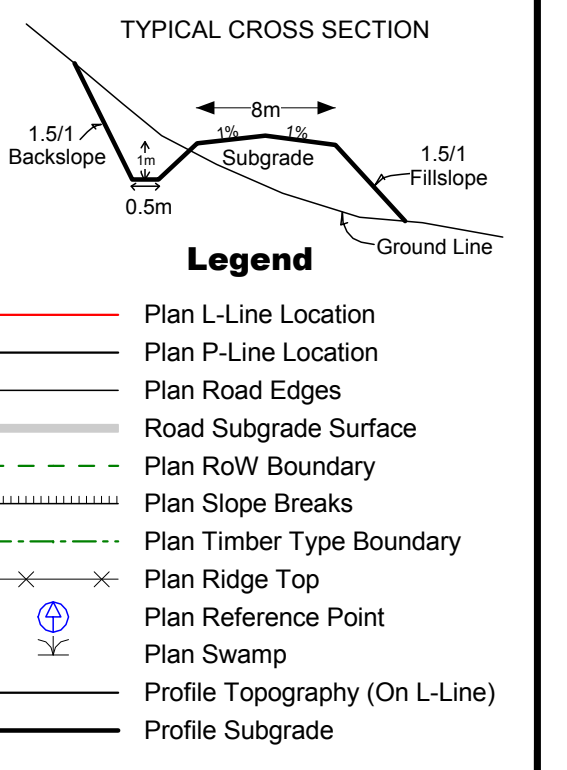
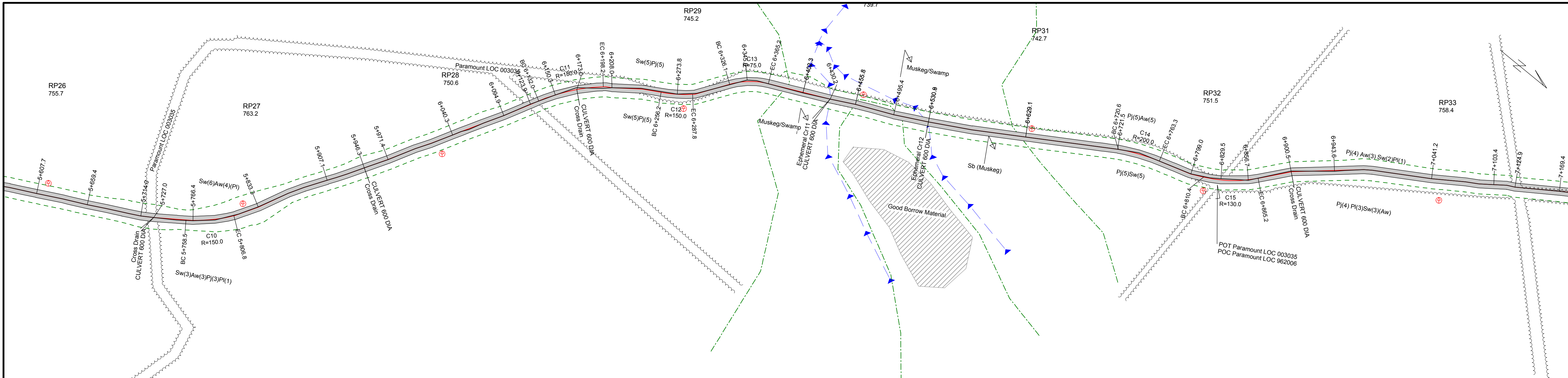


- Legend**
- Plan L-Line Location
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P-Station	Cut Dp.	Cl. Elev.	Cut DIA	Cut Len
4+185.6	-4.7	742.4		
4+203.3	-4.8	742.6	600	22.0
4+203.4	-4.8	742.6		
4+221.4	-4.3	742.9		
4+231.3	-3.6	743.1		
4+241.7	-1.2	743.3		
4+251.1	-0.3	743.5		
4+258.7	0.3	743.6		
4+268.3	1.2	743.6		
4+286.0	5.0	743.6		
4+296.0	4.9	743.6		
4+301.6	3.9	743.5		
4+334.1	-1.4	742.9		
4+358.8	-1.7	742.1	600	15.0
4+358.8	-1.7	742.1		
4+382.2	0.8	741.1		
4+393.1	1.0	740.6		
4+401.0	1.2	740.3		
4+415.0	2.3	739.7		
4+426.0	1.3	739.2		
4+432.7	-0.1	738.9		
4+442.7	-2.6	738.5		
4+452.7	-2.3	738.1		
4+472.4	0.2	737.3	600	15.0
4+486.4	-0.9	736.8		
4+497.2	-0.6	736.5		
4+521.6	-1.1	736.1	600	13.0
4+522.2	-1.1	736.1		
4+551.4	-0.1	736.0		
4+562.4	-0.5	736.1		
4+578.2	0.4	736.2		
4+599.9	-0.5	736.3		
4+618.8	-0.1	736.4		
4+636.5	2.5	736.5		
4+647.6	3.0	736.6		
4+669.5	2.1	736.5		
4+691.6	0.7	736.3		
4+693.6	-0.1	736.1		
4+699.9	0.4	735.9		
4+714.0	2.0	735.5		
4+728.0	1.2	735.0		
4+750.3	-1.7	733.7		
4+781.5	-3.6	732.3		
4+808.3	-4.3	730.7		
4+834.6	-3.2	729.2	600	19.0
4+837.0	-3.1	729.1		
4+863.3	-1.2	727.6		
4+893.0	0.5	726.6		
4+909.2	1.1	726.3		
4+919.0	0.7	726.1		
4+943.6	0.3	725.8		
4+970.5	0.1	725.7		
4+973.6	-0.5	725.7		
4+990.7	-1.1	725.6		
5+013.2	-1.1	725.5		
5+040.8	-1.2	725.7		
5+067.2	-1.8	726.2	1500	16.0
5+067.2	-1.8	726.2		
5+091.2	-2.0	726.9		
5+123.0	-2.2	728.3		
5+144.7	-1.8	729.6		
5+148.9	-1.4	729.8		
5+161.8	-1.9	730.8		
5+209.7	0.1	734.7		
5+224.8	1.7	736.0		
5+239.0	2.0	737.3		
5+248.8	3.2	738.1		
5+263.1	0.6	739.3		
5+269.0	0.1	739.8		
5+293.6	-0.8	741.5	600	12.0
5+293.6	-0.8	741.5		
5+331.4	0.7	743.6		
5+364.3	3.1	745.1		
5+376.0	3.9	745.7		
5+379.7	3.3	745.8		
5+385.1	2.2	746.1		
5+399.5	-0.9	746.6		
5+409.0	-1.0	747.0		
5+423.9	-1.8	747.5		
5+440.6	-2.5	748.1	600	17.0
5+440.6	-2.5	748.1		
5+454.5	2.7	748.6		
5+473.1	-2.1	749.3		
5+483.6	-2.0	749.7		
5+496.3	-1.3	750.2		
5+509.4	-1.4	750.6		
5+522.3	0.1	751.1		
5+544.2	0.3	751.9		

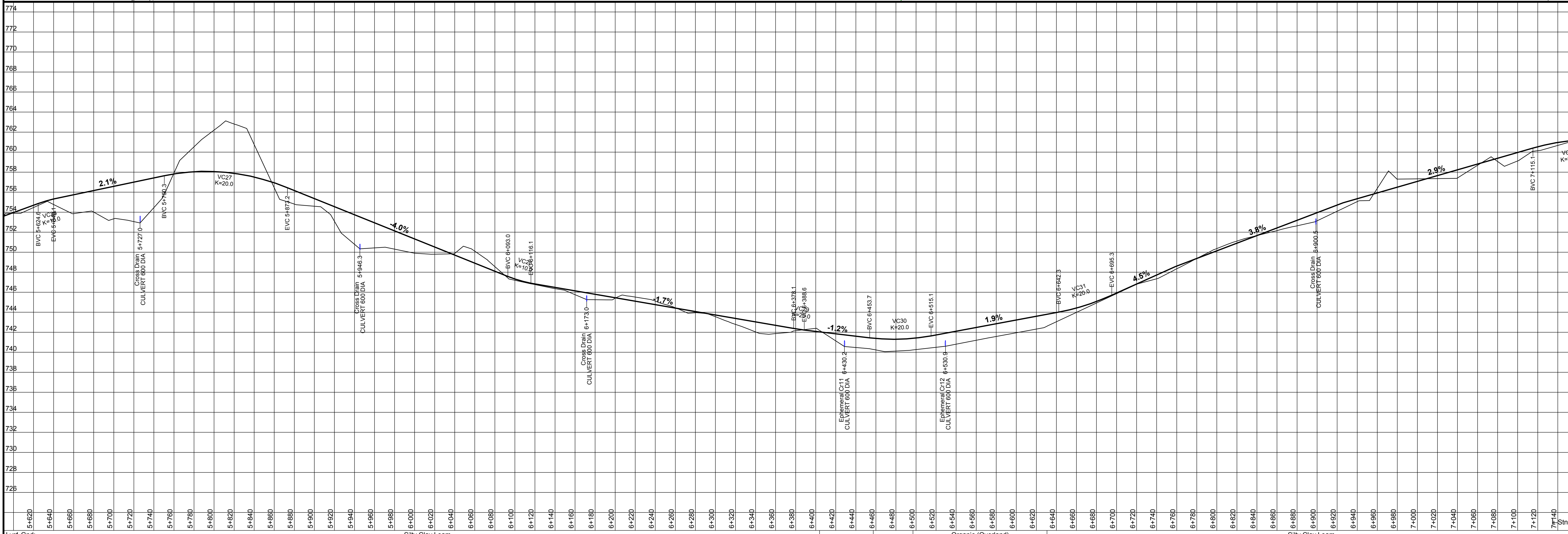
PLAN & PROFILE
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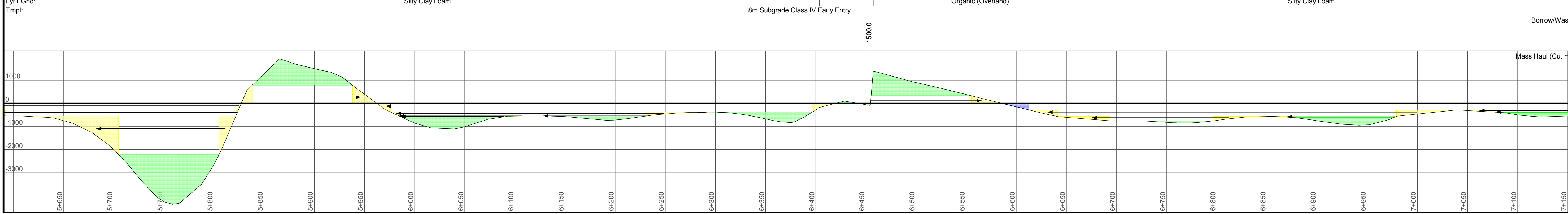
Plan Scale 1:2000



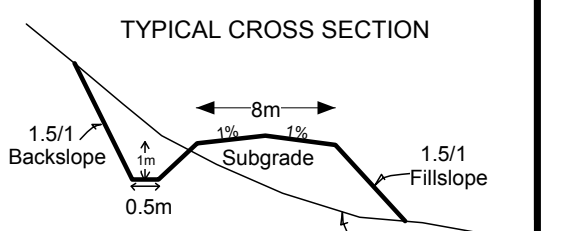
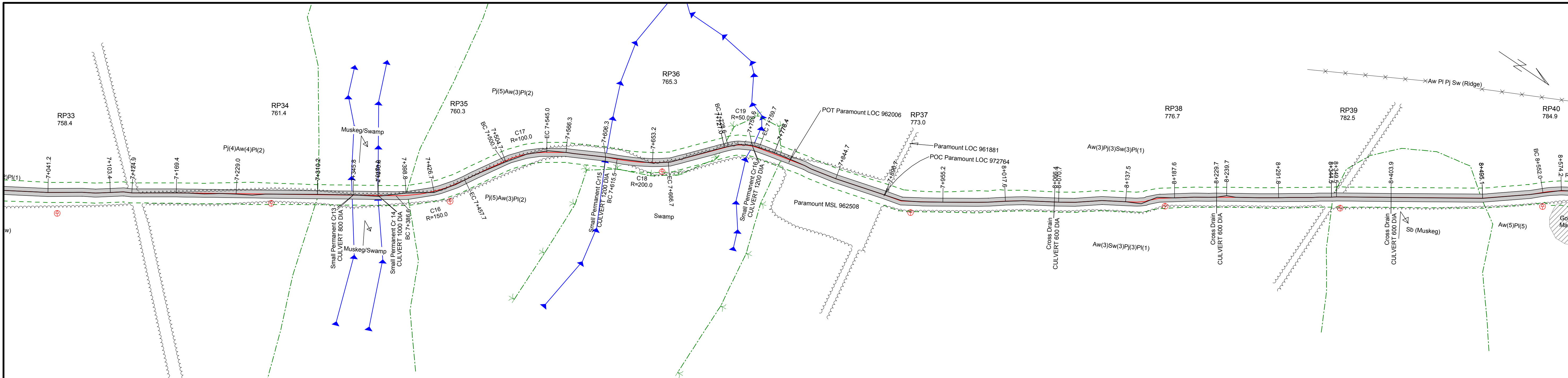
Profile Vert Scale 1:200



P-Station	Cut Depth	Cl. Elev.	Cut DIA.	Cut Len.
5+607.7	-0.3	754.2		
5+634.4	-0.1	755.2		
5+659.4	-1.9	755.7		
5+678.7	-2.0	756.1		
5+695.6	-3.3	756.5		
5+701.9	-3.2	756.6		
5+714.0	-3.7	756.9		
5+727.0	-4.2	757.1	600	21.0
5+727.0	-4.2	757.1	600	
5+749.6	-2.1	757.6		
5+766.4	1.3	757.9		
5+788.4	3.2	758.1		
5+812.4	5.1	758.0		
5+833.3	4.7	757.7		
5+866.2	-1.5	756.7		
5+882.8	-1.3	756.1		
5+907.1	-0.6	755.1		
5+916.0	0.9	754.7		
5+927.9	-2.4	754.3		
5+946.3	-3.2	753.5	600	19.0
5+946.3	-3.2	753.5	600	
5+971.4	-2.0	752.5		
6+000.8	-1.4	751.3		
6+017.4	-0.9	750.7		
6+040.3	0.1	749.7		
6+049.3	1.2	749.4		
6+057.4	1.3	749.0		
6+078.8	0.8	748.4		
6+094.9	-0.2	747.5		
6+123.9	-0.1	746.8		
6+150.3	-0.1	746.3	600	12.0
6+172.6	-0.7	746.0	600	
6+178.0	-0.7	745.9		
6+198.5	-0.3	745.5		
6+208.0	0.4	745.3		
6+237.0	0.4	744.8		
6+273.8	-0.3	744.2		
6+293.1	0.0	743.9		
6+345.0	-1.1	743.0		
6+354.6	-1.0	742.8		
6+402.3	0.3	742.1		
6+430.2	-1.2	741.7	600	12.0
6+430.2	-1.2	741.7	600	
6+455.8	-1.1	741.4		
6+470.5	-1.2	741.3		
6+495.4	-1.2	741.4		
6+530.8	-1.3	741.9	600	12.0
6+530.8	-1.3	741.9	600	
6+574.8	-1.3	742.7		
6+629.1	-1.3	743.7		
6+721.5	-0.0	746.8		
6+743.1	-0.4	747.8		
6+798.0	0.2	750.0		
6+818.5	0.2	750.8		
6+829.5	0.1	751.2		
6+856.7	-0.2	752.2		
6+900.4	-0.8	753.9	600	12.0
6+900.5	-0.8	753.9	600	
6+943.6	-0.3	755.4		
6+954.0	-0.6	755.7		
6+972.9	0.8	756.2		
6+981.4	0.8	756.5		
7+041.2	-0.8	758.2		
7+075.3	0.3	759.2		
7+086.6	-1.0	759.6		
7+103.4	-0.8	760.0		
7+116.5	0.5	761.4		
7+124.9	-0.4	760.6		



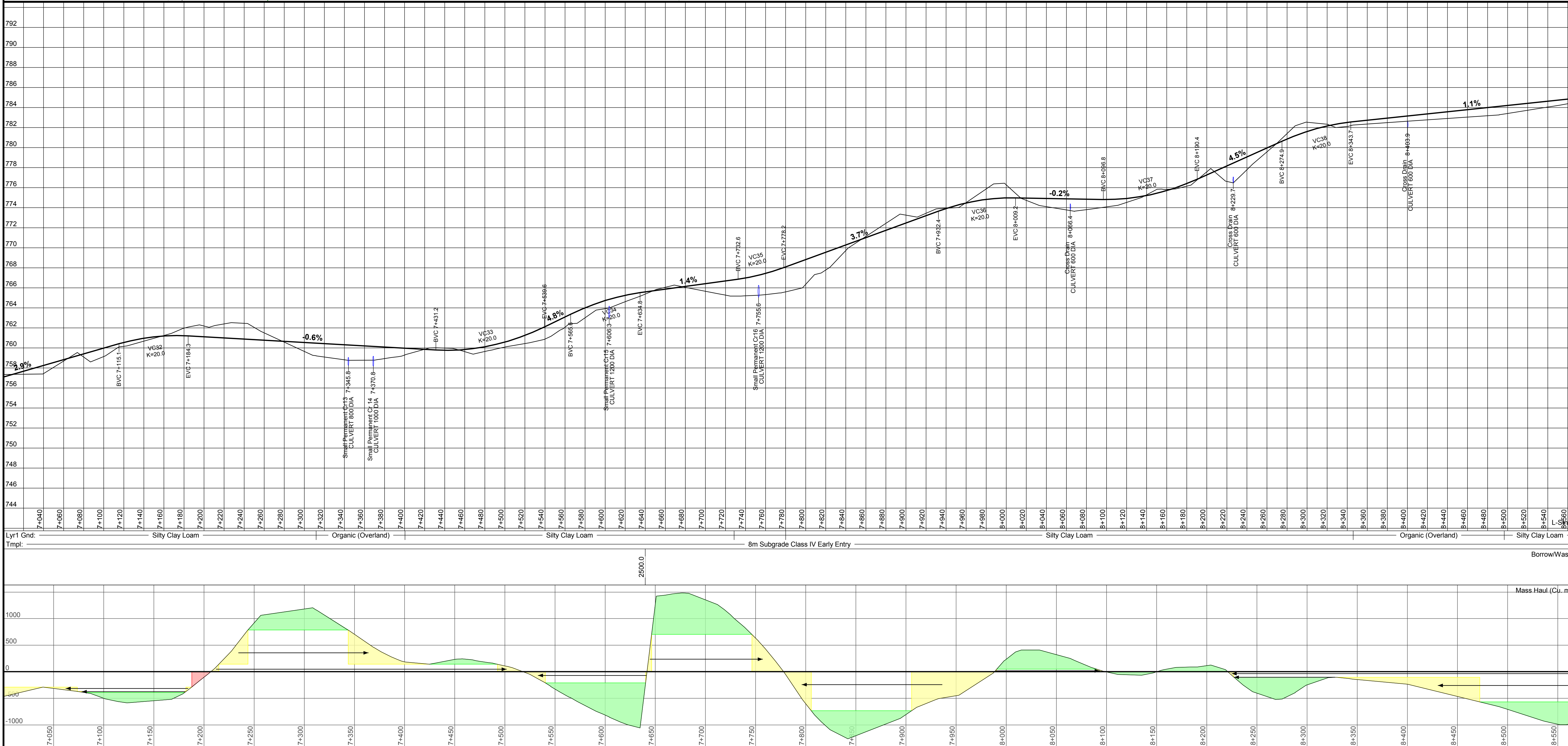
PLAN & PROFILE
 Northern Alberta Road 1
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- Legend**
- Plan L-Line Location
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 - Profile Topography (On L-Line)
 - Profile Subgrade

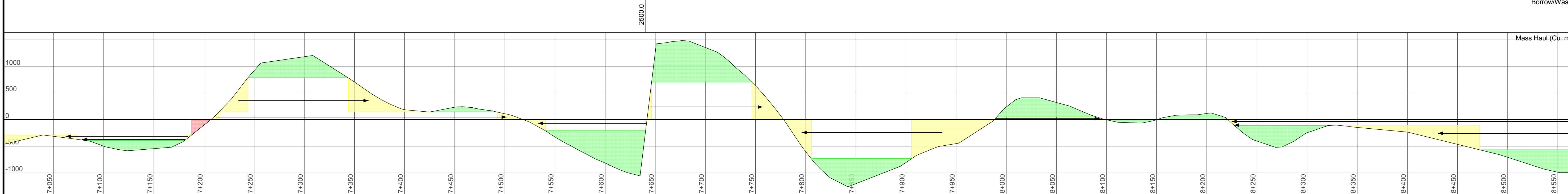
Plan Scale 1:2000

Profile Vert Scale 1:200

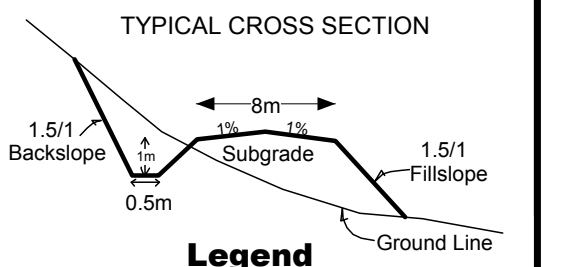


P-Stn m	Cut Dp. m	Cl. Elev m	Cut DIA mm	Cut Len m
7+041.2	-0.8	758.2		
7+075.3	0.3	759.2		
7+088.6	-1.0	759.5		
7+103.4	0.8	760.0		
7+116.5	-0.3	760.4		
7+124.9	-0.4	760.6		
7+169.4	0.2	761.2		
7+180.5	0.7	761.2		
7+197.2	1.2	761.1		
7+206.8	1.0	761.1		
7+212.6	1.2	761.0		
7+229.0	1.6	761.0		
7+245.3	1.6	760.9		
7+258.5	0.9	760.8		
7+310.2	-1.2	760.5		
7+345.7	-1.5	760.3	800	14.0
7+345.8	-1.5	760.3	800	14.0
7+370.8	-1.4	760.1	1000	
7+370.8	-1.4	760.1	1000	14.0
7+398.8	-0.8	760.0		
7+426.7	0.2	759.8		
7+449.9	0.2	759.8		
7+470.7	-0.5	759.9		
7+504.7	-0.5	760.6		
7+526.7	-0.9	761.4		
7+548.4	-1.2	762.4		
7+566.3	-0.9	763.3		
7+574.3	-1.2	763.7		
7+593.2	-0.7	764.4		
7+606.2	-0.9	764.8	1200	
7+606.3	-0.9	764.8	1200	12.0
7+653.2	0.1	765.7		
7+657.0	0.3	766.0		
7+727.0	-1.6	766.7		
7+741.5	-1.8	767.0		
7+755.5	-2.0	767.2		
7+755.6	-2.0	767.2	1200	15.0
7+773.4	2.4	767.9		
7+799.4	-2.7	768.7		
7+811.4	-1.8	769.1		
7+818.0	-1.9	769.4		
7+826.8	-1.6	769.7		
7+844.7	-0.4	770.3		
7+896.7	1.1	772.2		
7+913.6	0.2	772.9		
7+932.6	0.3	773.6		
7+955.2	-0.3	774.3		
7+989.9	1.5	774.9		
8+000.6	1.5	775.0		
8+017.6	-0.1	775.0		
8+035.6	-0.7	774.9		
8+065.4	-1.2	774.9	600	12.0
8+070.7	-1.2	774.9		
8+086.9	-1.0	774.8		
8+113.9	-0.6	774.8		
8+137.5	-0.1	775.1		
8+153.2	0.4	775.4		
8+170.2	-0.1	775.9		
8+187.6	-0.3	776.6		
8+207.3	0.5	777.4		
8+221.9	-1.4	778.1		
8+229.7	-2.9	778.5		
8+229.7	-2.0	778.5	600	16.0
8+239.7	-1.5	778.9		
8+249.2	-1.0	779.3		
8+272.2	-1.0	780.4		
8+291.8	1.0	781.2		
8+302.6	1.0	781.6		
8+324.6	0.1	782.2		
8+332.4	-0.3	782.3		
8+344.5	-0.4	782.5		
8+348.5	-0.3	782.6		
8+403.9	-0.5	783.1	600	12.0
8+495.1	-0.8	784.1		
8+542.6	-0.6	784.6		
8+574.2	-0.4	784.9		

8m Subgrade Class IV Early Entry



PLAN & PROFILE
Northern Alberta Road 1
Road Class: IV Early Entry

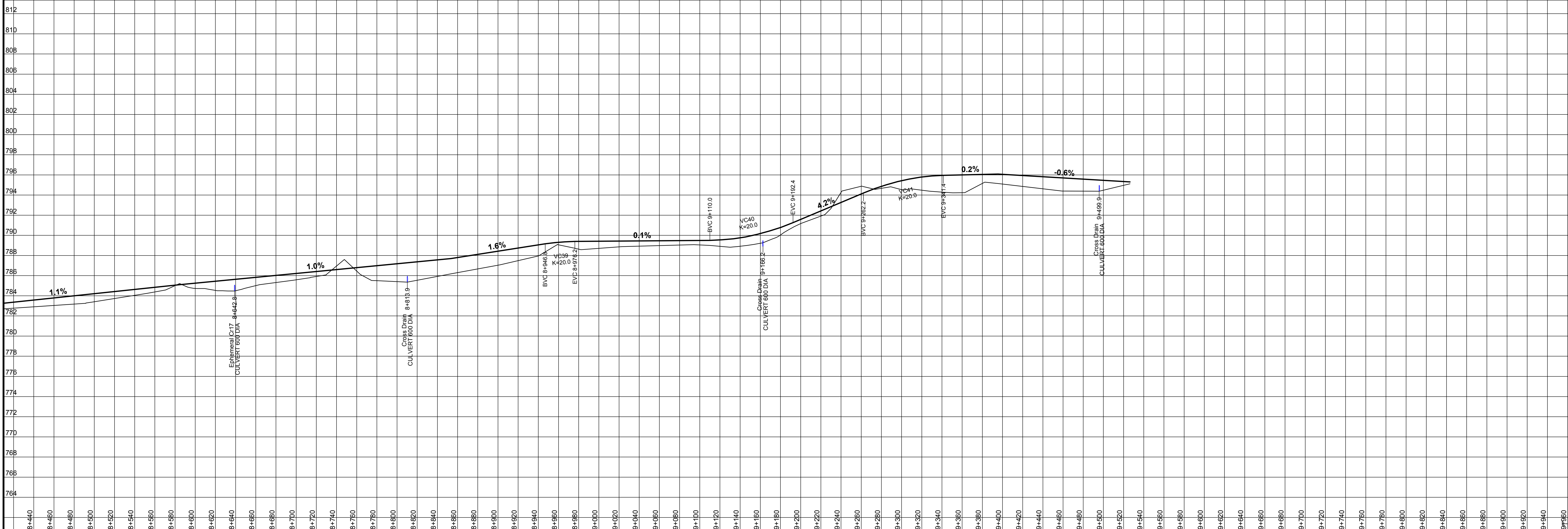
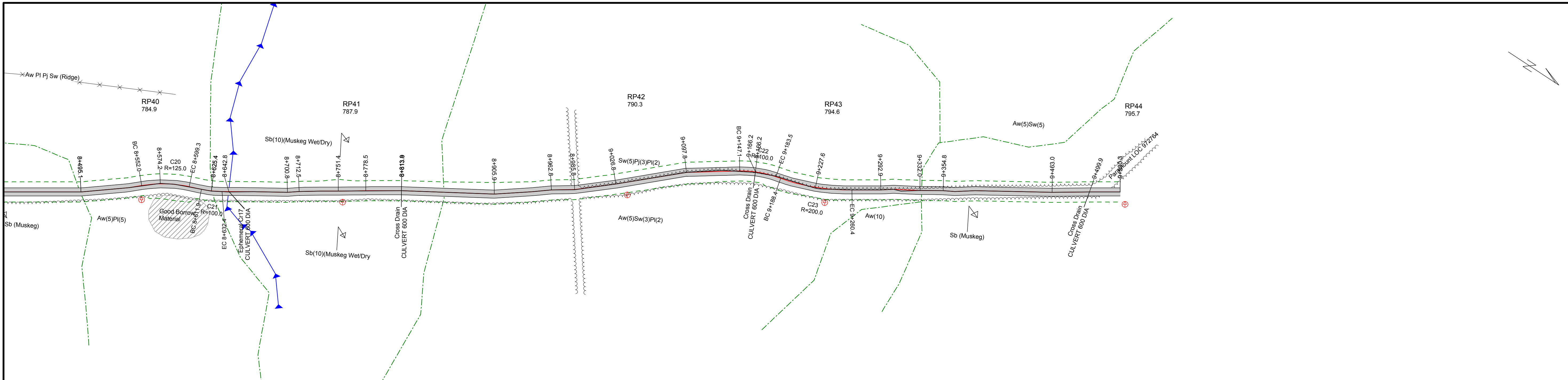


- Legend**
- Plan L-Line Location
 - Plan P-Line Location
 - Plan Road Edges
 - Road Subgrade Surface
 - Plan RoW Boundary
 - Plan Slope Breaks
 - Plan Timber Type Boundary
 - Plan Ridge Top
 - Plan Reference Point
 - Plan Swamp
 - Profile Topography (On L-Line)
 - Profile Subgrade

Plan Scale 1:2000



Profile Vert Scale 1:200



P-Station	Cut Dip.	Cl. Elev.	Cut DIA.	Cut Len.
8+495.1	-0.8	784.1		
8+542.6	-0.6	784.6		
8+574.2	-0.4	784.9		
8+588.3	0.1	785.1		
8+625.4	-1.0	785.5		
8+642.7	-1.2	785.6		
8+642.8	-1.2	785.6	600	13.0
8+667.4	-0.8	785.9		
8+700.8	-0.7	786.2		
8+712.5	-0.6	786.3		
8+733.4	-0.4	786.5		
8+751.4	0.9	786.7		
8+767.2	-0.7	786.8		
8+778.5	-1.4	786.9		
8+813.8	-1.9	787.3	600	12.0
8+813.9	-1.9	787.3	600	12.0
8+905.9	-1.4	788.5		
8+943.8	-1.1	789.0		
8+962.8	-0.2	789.3		
8+985.8	-0.8	789.4		
9+026.8	-0.6	789.4		
9+097.8	-0.4	789.5		
9+133.4	-0.8	789.8		
9+166.2	-1.0	790.2	600	13.0
9+166.2	-1.0	790.2	600	13.0
9+186.2	-0.7	790.9		
9+227.6	-0.5	792.6		
9+233.6	-0.2	792.8		
9+244.5	1.1	793.3		
9+264.4	0.8	794.1		
9+277.4	-0.1	794.6		
9+292.9	-0.3	795.1		
9+305.4	-1.0	795.5		
9+313.0	-1.0	795.6		
9+332.0	-1.5	795.9		
9+354.8	-1.8	796.0		
9+366.5	-1.8	796.0		
9+386.5	-0.8	796.0		
9+463.0	-1.3	795.7		
9+499.8	-1.1	795.5	600	12.0
9+499.9	-1.1	795.5	600	12.0
9+530.3	-0.2	795.3		

