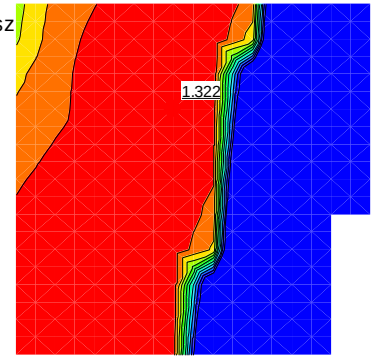
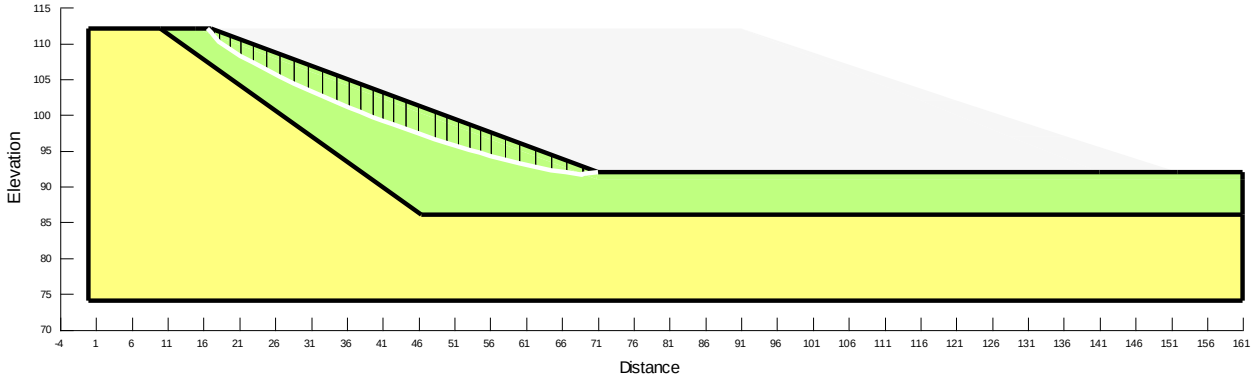
File Name: 181029 416.07238.00001 Parrys Landfill.gsz
Name: Side Slope Geological Barrier
Method: Morgenstern-Price
Factor of Safety: 1.322



Color	Name	Model	Unit Weight (kN/m³)	Cohesion' (kPa)	Phi' (°)	Phi-B (°)
	Bedrock	Mohr-Coulomb	20	0	45	0
	Engineered Clay	Mohr-Coulomb	19	1	24.5	0



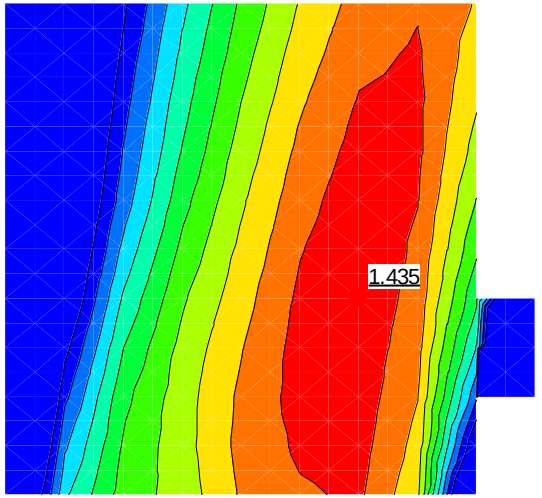
Side Slope Subgrade

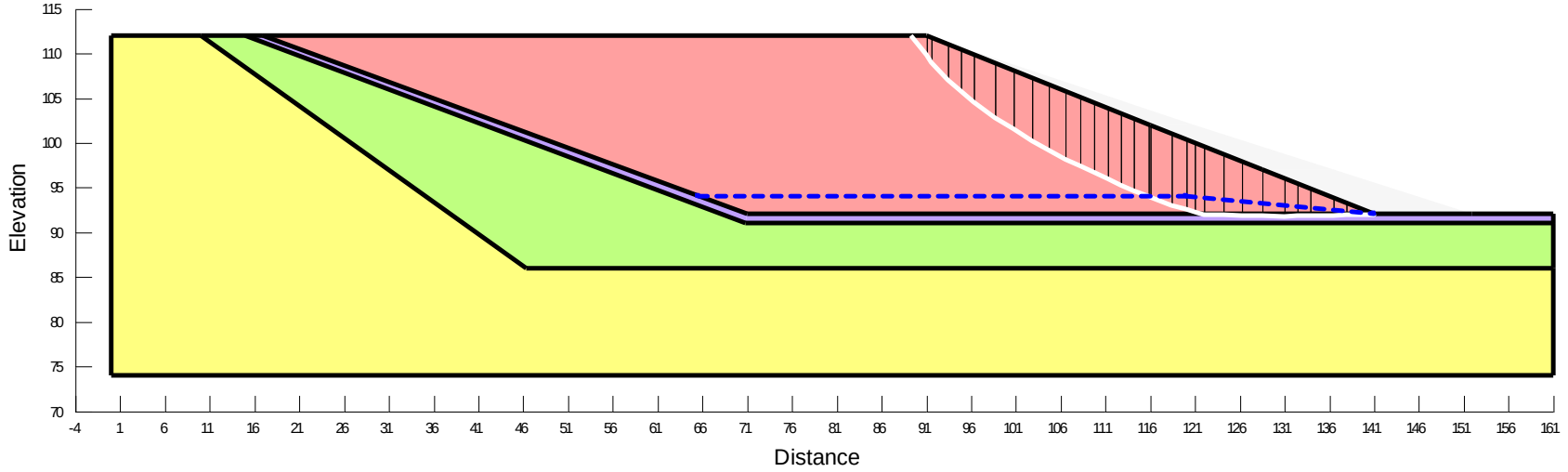
SLR

Project: PARRYS QUARRY LANDFILL
STABILITY RISK ASSESSMENT
Date: NOVEMBER 2018
SCALE: NTS
Drawing: **DRAWING SRA1-1**
Appendix. **SRA1**

File Name: 190318 416.07238.00001 Parrys Landfill.gsz
Name: 1. Mode 1A: Domestic Waste
Method: Morgenstern-Price
Factor of Safety: 1.435

Color	Name	Model	Unit Weight (kN/m³)	Cohesion' (kPa)	Phi' (°)	Phi-B (°)	Piezometric Line
	Bedrock	Mohr-Coulomb	20	0	45	0	
	Domestic Waste	Mohr-Coulomb	11	5	25	0	1
	Engineered Clay	Mohr-Coulomb	19	1	24.5	0	
	Lining Interface	Mohr-Coulomb	19	0	22	0	





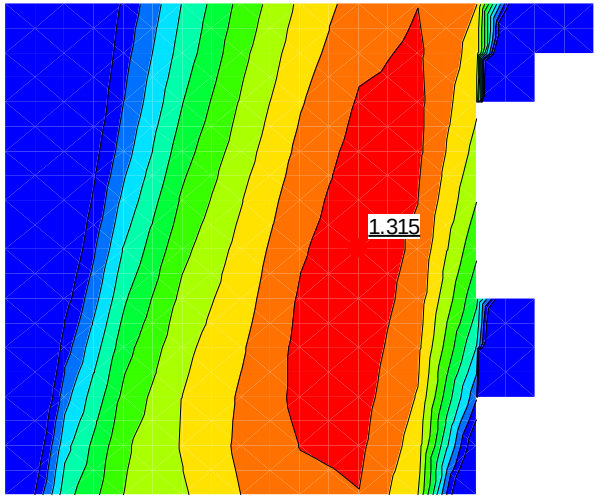
Domestic Waste Mode 1A

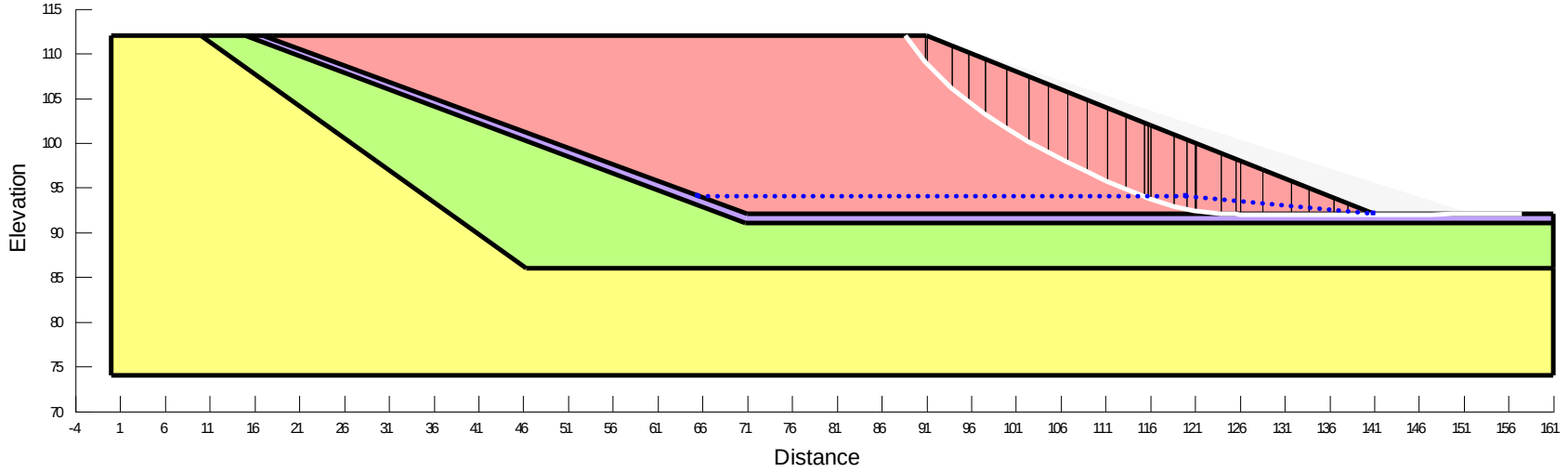
SLR

Project: PARRYS QUARRY LANDFILL
STABILITY RISK ASSESSMENT
Date: NOVEMBER 2018
SCALE: NTS
Drawing: **DRAWING SRA2-1**
Appendix. **SRA2**

File Name: 190318 416.07238.00001 Parrys Landfill.gsz
Name: 2. Mode 1B: Domestic Waste
Method: Morgenstern-Price
Factor of Safety: 1.315

Color	Name	Model	Unit Weight (kN/m³)	Cohesion' (kPa)	Phi' (°)	Phi-B (°)	Piezometric Line	Ru	Include Ru in PWP
	Bedrock	Mohr-Coulomb	20	0	45	0			No
	Domestic Waste	Mohr-Coulomb	11	5	25	0	1	0.1	Yes
	Engineered Clay	Mohr-Coulomb	19	1	24.5	0			No
	Lining Interface	Mohr-Coulomb	19	0	22	0			No



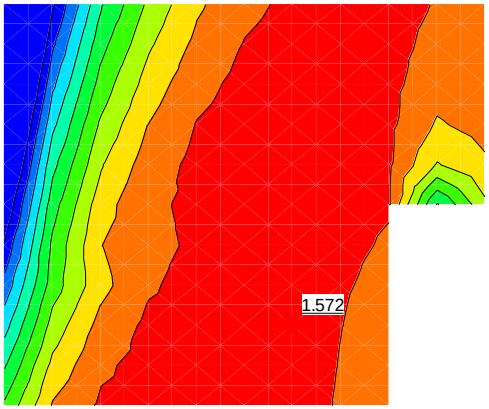


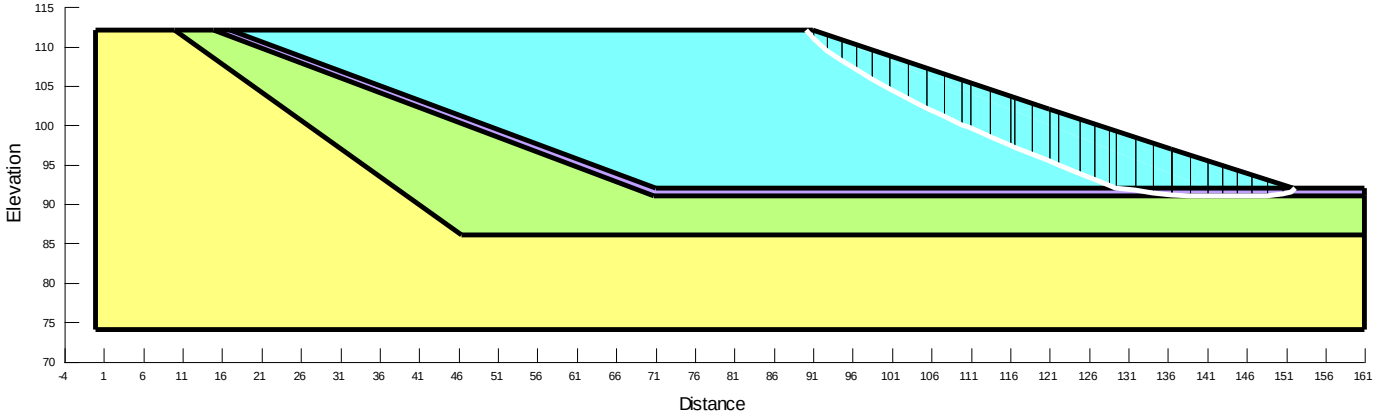
Domestic Waste Mode 1B

SLR

Project: PARRYS QUARRY LANDFILL
STABILITY RISK ASSESSMENT
Date: NOVEMBER 2018
SCALE: NTS
Drawing: **DRAWING SRA2-2**
Appendix. **SRA2**

File Name: 181029 416.07238.00001 Parrys Landfill.gsz
Name: 3. Mode 1A: Inert Waste
Method: Morgenstern-Price
Factor of Safety: 1.572





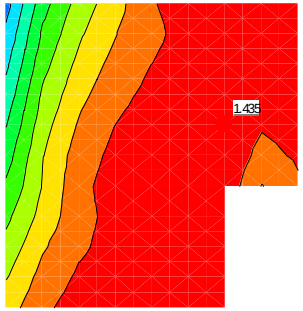
Color	Name	Model	Unit Weight (kN/m³)	Cohesion' (kPa)	Phi' (°)	Phi-B (°)
	Bedrock	Mohr-Coulomb	20	0	45	0
	Engineered Clay	Mohr-Coulomb	19	1	24.5	0
	Inert Waste	Mohr-Coulomb	17	0.5	27	0
	Lining Interface	Mohr-Coulomb	19	0	22	0

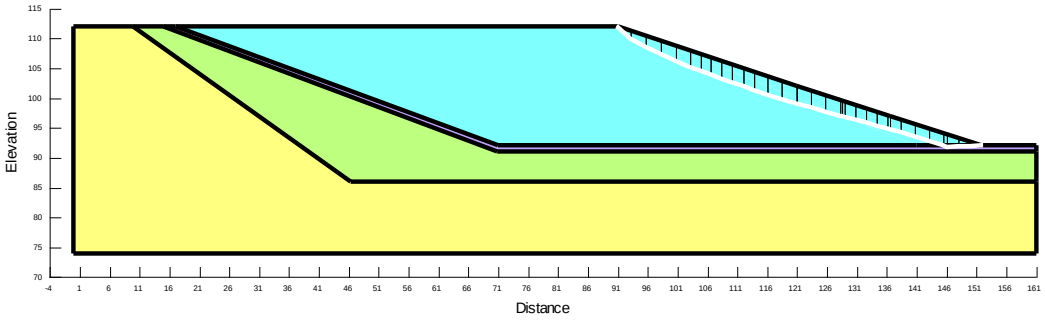
Inert Waste Mode 1A

SLR

Project: PARRYS QUARRY LANDFILL
STABILITY RISK ASSESSMENT
Date: NOVEMBER 2018
SCALE: NTS
Drawing: **DRAWING SRA2-3**
Appendix. **SRA2**

File Name: 181029 416.07238.00001 Parrys Landfill.gsz
Name: 4. Mode 1B: Inert Waste
Method: Morgenstern-Price
Factor of Safety: 1.435





Color	Name	Model	Unit Weight (kN/m³)	Cohesion' (kPa)	Phi' (°)	Phi-B (°)	Ru
	Bedrock	Mohr-Coulomb	20	0	45	0	0
	Engineered Clay	Mohr-Coulomb	19	1	24.5	0	0
	Inert Waste	Mohr-Coulomb	17	0.5	27	0	0.1
	Lining Interface	Mohr-Coulomb	19	0	22	0	0

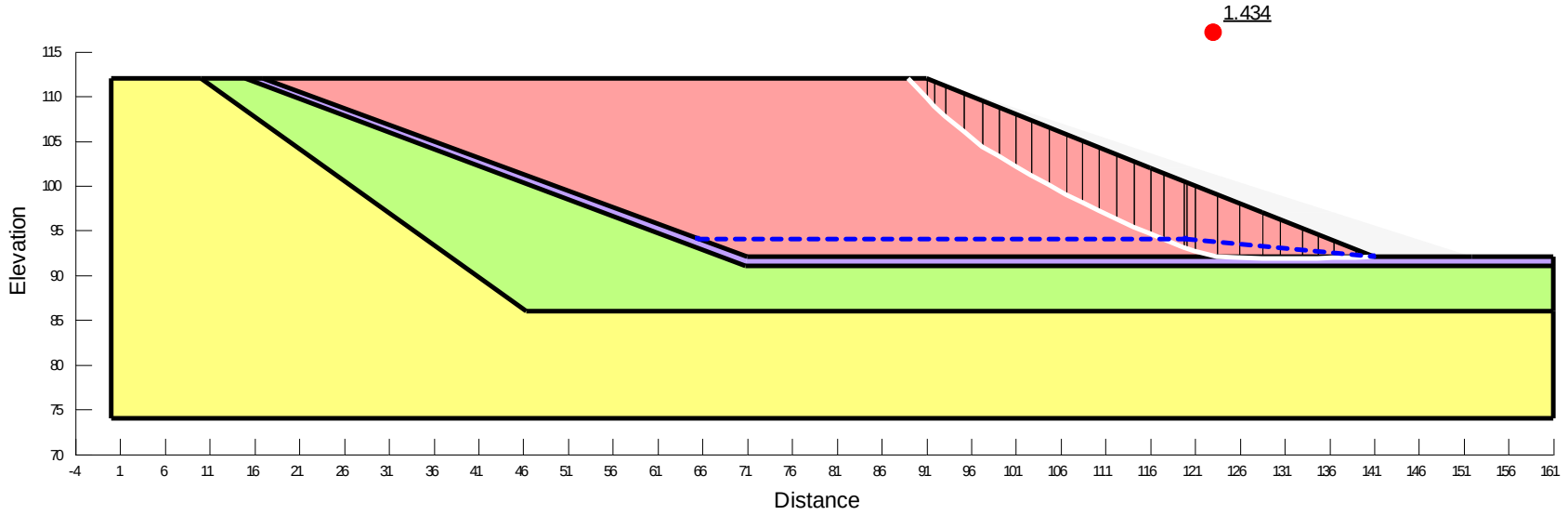
Inert Waste Mode 1B

SLR

Project: PARRYS QUARRY LANDFILL
STABILITY RISK ASSESSMENT
Date: NOVEMBER 2018
SCALE: NTS
Drawing: **DRAWING SRA2-4**
Appendix. **SRA2**

File Name: 190318 416.07238.00001 Parrys Landfill.gsz
Name: 5. Mode 2A: Domestic Waste
Method: Morgenstern-Price
Factor of Safety: 1.434

Color	Name	Model	Unit Weight (kN/m³)	Cohesion' (kPa)	Phi' (°)	Phi-B (°)	Piezometric Line
	Bedrock	Mohr-Coulomb	20	0	45	0	
	Domestic Waste	Mohr-Coulomb	11	5	25	0	1
	Engineered Clay	Mohr-Coulomb	19	1	24.5	0	
	Lining Interface	Mohr-Coulomb	19	0	22	0	



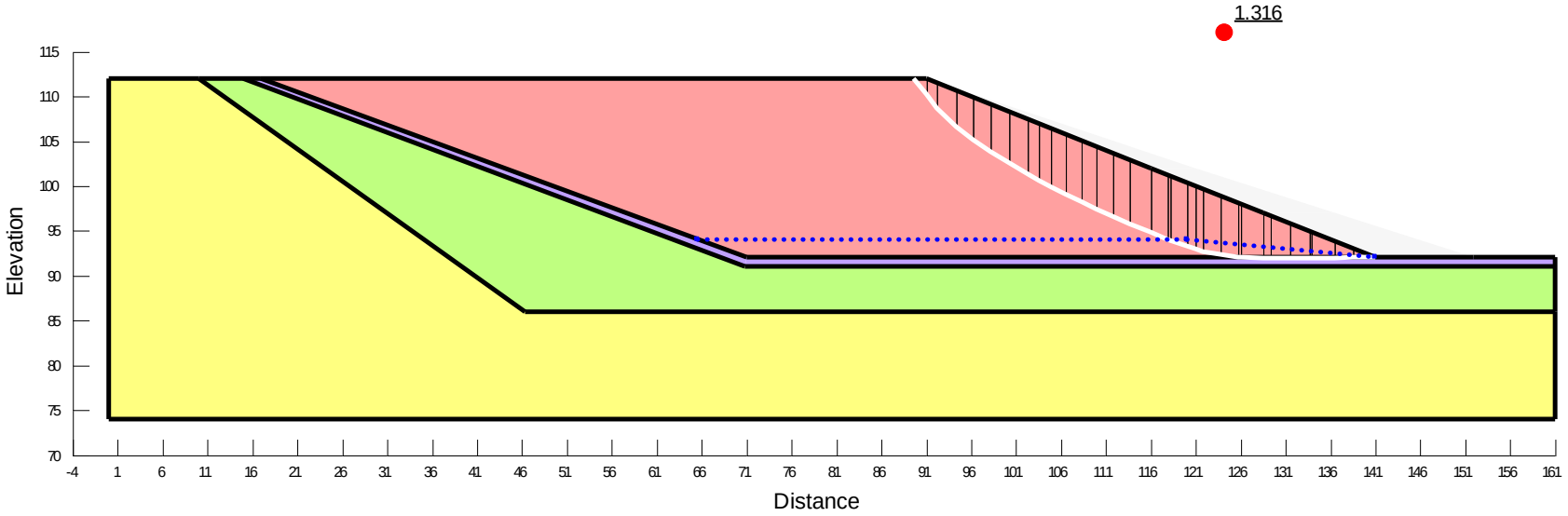
Domestic Waste Mode 2A

SLR

Project: PARRYS QUARRY LANDFILL
STABILITY RISK ASSESSMENT
Date: NOVEMBER 2018
SCALE: NTS
Drawing: **DRAWING SRA2-5**
Appendix. **SRA2**

File Name: 190318 416.07238.00001 Parrys Landfill.gsz
Name: 6. Mode 2B: Domestic Waste
Method: Morgenstern-Price
Factor of Safety: 1.316

Color	Name	Model	Unit Weight (kN/m³)	Cohesion' (kPa)	Phi' (°)	Phi-B (°)	Piezometric Line	Ru	Include Ru in PWP
	Bedrock	Mohr-Coulomb	20	0	45	0			No
	Domestic Waste	Mohr-Coulomb	11	5	25	0	1	0.1	Yes
	Engineered Clay	Mohr-Coulomb	19	1	24.5	0			No
	Lining Interface	Mohr-Coulomb	19	0	22	0			No



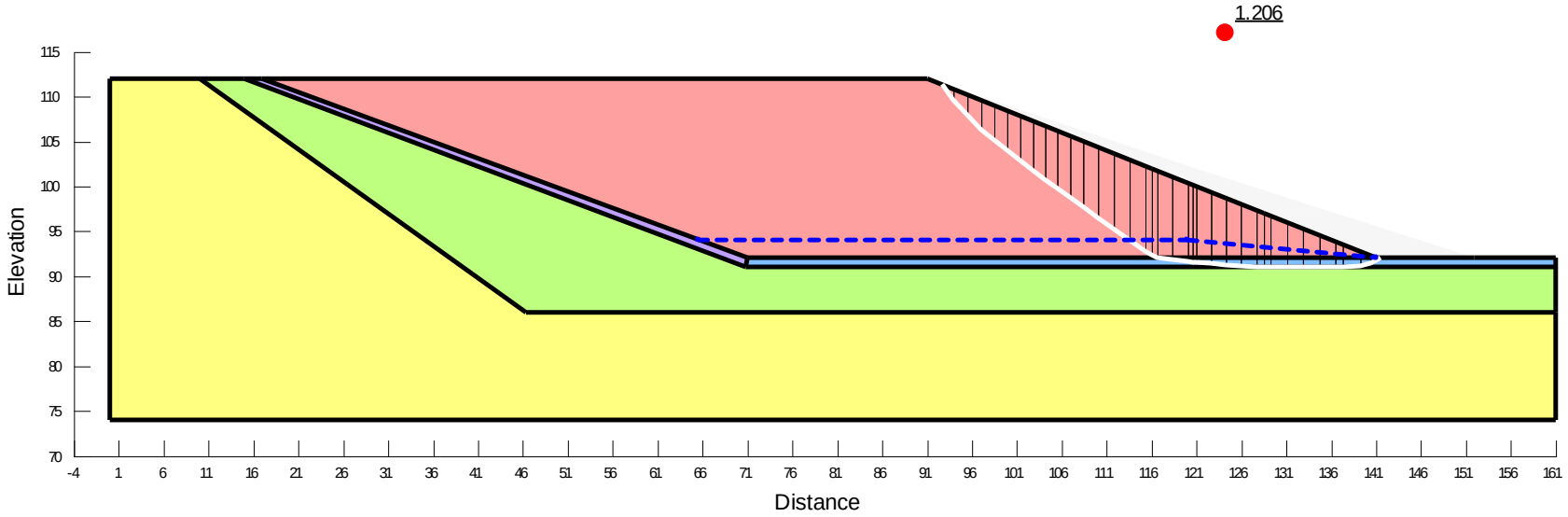
Domestic Waste Mode 2B

SLR

Project: PARRYS QUARRY LANDFILL
STABILITY RISK ASSESSMENT
Date: NOVEMBER 2018
SCALE: NTS
Drawing: **DRAWING SRA2-6**
Appendix. **SRA2**

File Name: 190318 416.07238.00001 Parrys Landfill.gsz
Name: 7. Mode 2C: Domestic Waste
Method: Morgenstern-Price
Factor of Safety: 1.206

Color	Name	Model	Unit Weight (kN/m³)	Cohesion' (kPa)	Phi' (°)	Phi-B (°)	Piezometric Line
	Bedrock	Mohr-Coulomb	20	0	45	0	
	Domestic Waste	Mohr-Coulomb	11	5	25	0	1
	Engineered Clay	Mohr-Coulomb	19	1	24.5	0	
	Lining Interface	Mohr-Coulomb	19	0	22	0	
	Lining Interface (Residual)	Mohr-Coulomb	19	0	14	0	



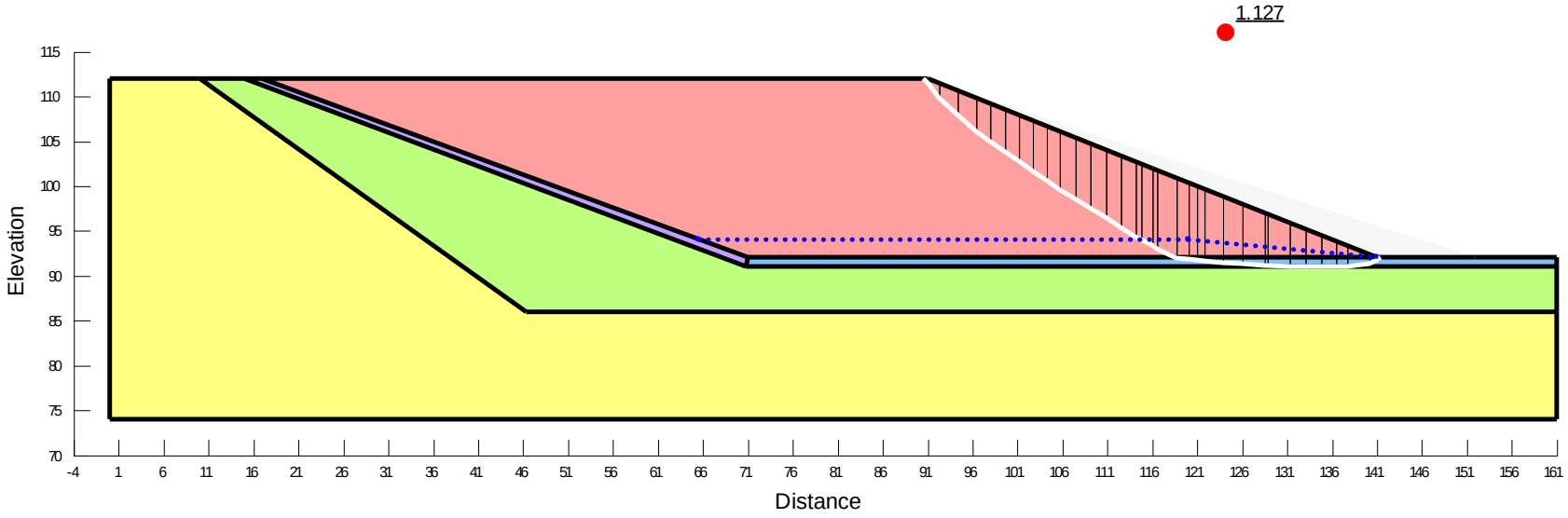
Domestic Waste Mode 2C

SLR

Project: PARRYS QUARRY LANDFILL
STABILITY RISK ASSESSMENT
Date: NOVEMBER 2018
SCALE: NTS
Drawing: **DRAWING SRA2-7**
Appendix. **SRA2**

File Name: 190318 416.07238.00001 Parrys Landfill.gsz
Name: 8. Mode 2D: Domestic Waste
Method: Morgenstern-Price
Factor of Safety: 1.127

Color	Name	Model	Unit Weight (kN/m³)	Cohesion' (kPa)	Phi' (°)	Phi-B (°)	Piezometric Line	Ru	Include Ru in PWP
	Bedrock	Mohr-Coulomb	20	0	45	0			No
	Domestic Waste	Mohr-Coulomb	11	5	25	0	1	0.1	Yes
	Engineered Clay	Mohr-Coulomb	19	1	24.5	0			No
	Lining Interface	Mohr-Coulomb	19	0	22	0			No
	Lining Interface (Residual)	Mohr-Coulomb	19	0	14	0			No



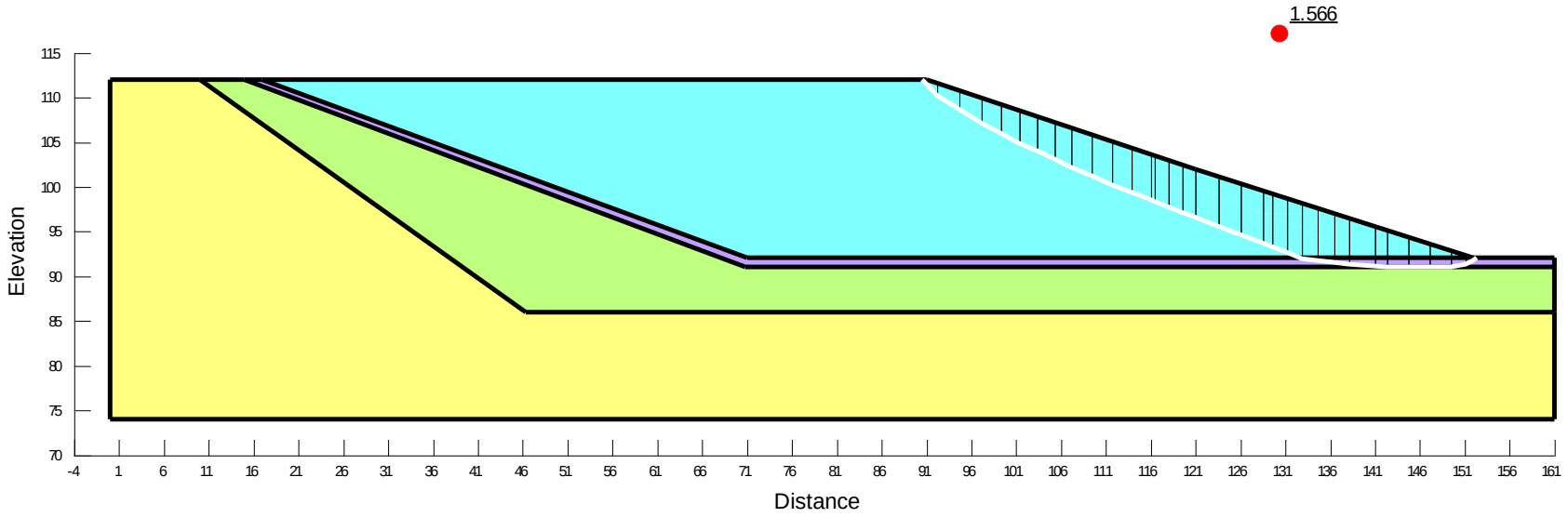
Domestic Waste Mode 2D

SLR

Project: PARRYS QUARRY LANDFILL
STABILITY RISK ASSESSMENT
Date: NOVEMBER 2018
SCALE: NTS
Drawing: **DRAWING SRA2-8**
Appendix. **SRA2**

File Name: 181029 416.07238.00001 Parrys Landfill.gsz
Name: 9. Mode 2A: Inert Waste
Method: Morgenstern-Price
Factor of Safety: 1.566

Color	Name	Model	Unit Weight (kN/m³)	Cohesion' (kPa)	Phi' (°)	Phi-B (°)
	Bedrock	Mohr-Coulomb	20	0	45	0
	Engineered Clay	Mohr-Coulomb	19	1	24.5	0
	Inert Waste	Mohr-Coulomb	17	0.5	27	0
	Lining Interface	Mohr-Coulomb	19	0	22	0



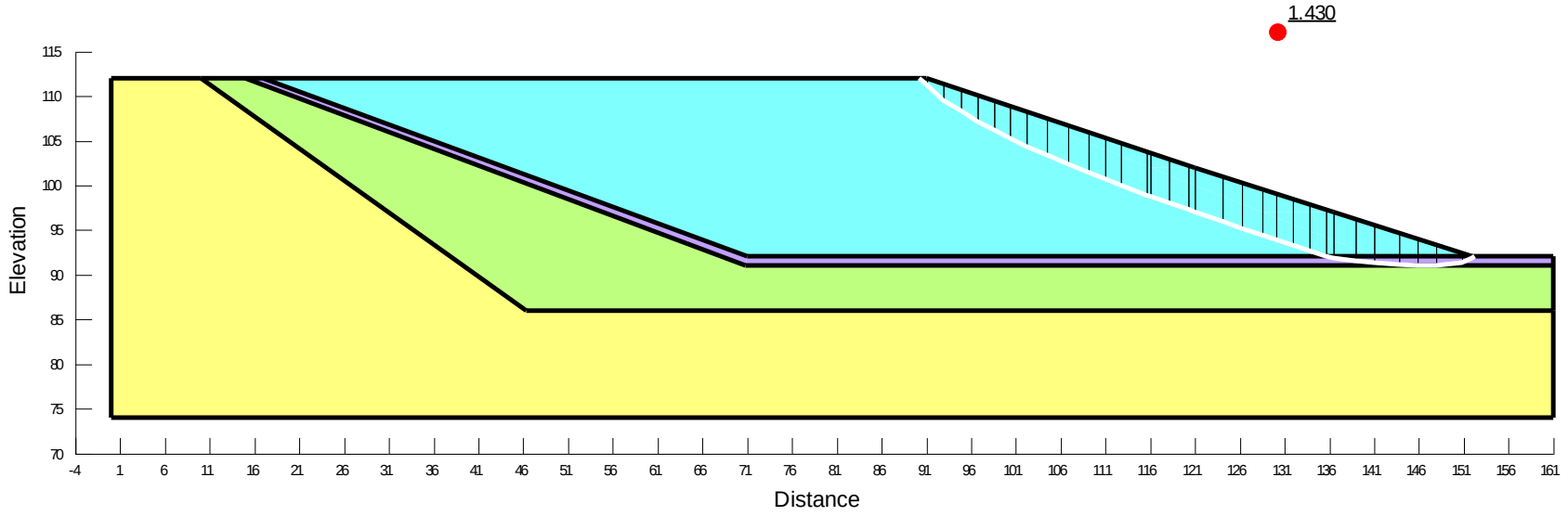
Inert Waste Mode 2A

SLR

Project: PARRYS QUARRY LANDFILL
STABILITY RISK ASSESSMENT
Date: NOVEMBER 2018
SCALE: NTS
Drawing: **DRAWING SRA2-9**
Appendix. **SRA2**

File Name: 190318 416.07238.00001 Parrys Landfill.gsz
Name: 10. Mode 2B: Inert Waste
Method: Morgenstern-Price
Factor of Safety: 1.430

Color	Name	Model	Unit Weight (kN/m³)	Cohesion' (kPa)	Phi' (°)	Phi-B (°)	Ru
	Bedrock	Mohr-Coulomb	20	0	45	0	0
	Engineered Clay	Mohr-Coulomb	19	1	24.5	0	0
	Inert Waste	Mohr-Coulomb	17	0.5	27	0	0.1
	Lining Interface	Mohr-Coulomb	19	0	22	0	0



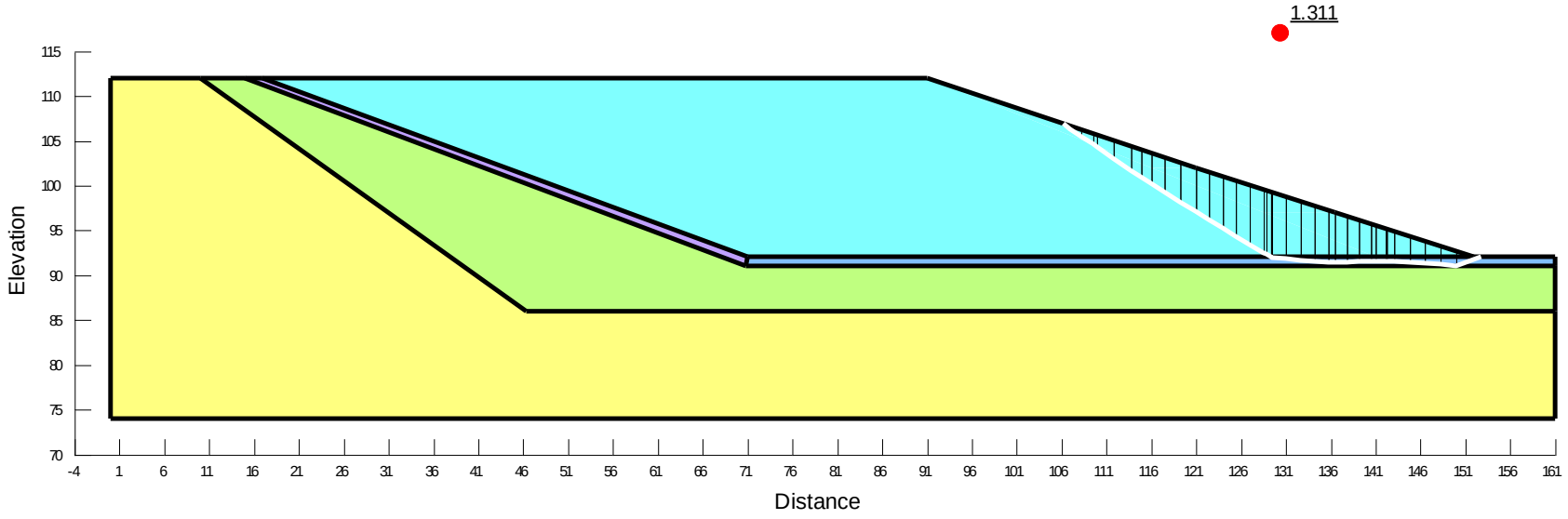
Inert Waste Mode 2B

SLR

Project: PARRYS QUARRY LANDFILL
STABILITY RISK ASSESSMENT
Date: NOVEMBER 2018
SCALE: NTS
Drawing: **DRAWING SRA2-10**
Appendix. **SRA2**

File Name: 181029 416.07238.00001 Parrys Landfill.gsz
Name: 11. Mode 2C: Inert Waste
Method: Morgenstern-Price
Factor of Safety: 1.311

Color	Name	Model	Unit Weight (kN/m³)	Cohesion' (kPa)	Phi' (°)	Phi-B (°)
	Bedrock	Mohr-Coulomb	20	0	45	0
	Engineered Clay	Mohr-Coulomb	19	1	24.5	0
	Inert Waste	Mohr-Coulomb	17	0.5	27	0
	Lining Interface	Mohr-Coulomb	19	0	22	0
	Lining Interface (Residual)	Mohr-Coulomb	19	0	14	0



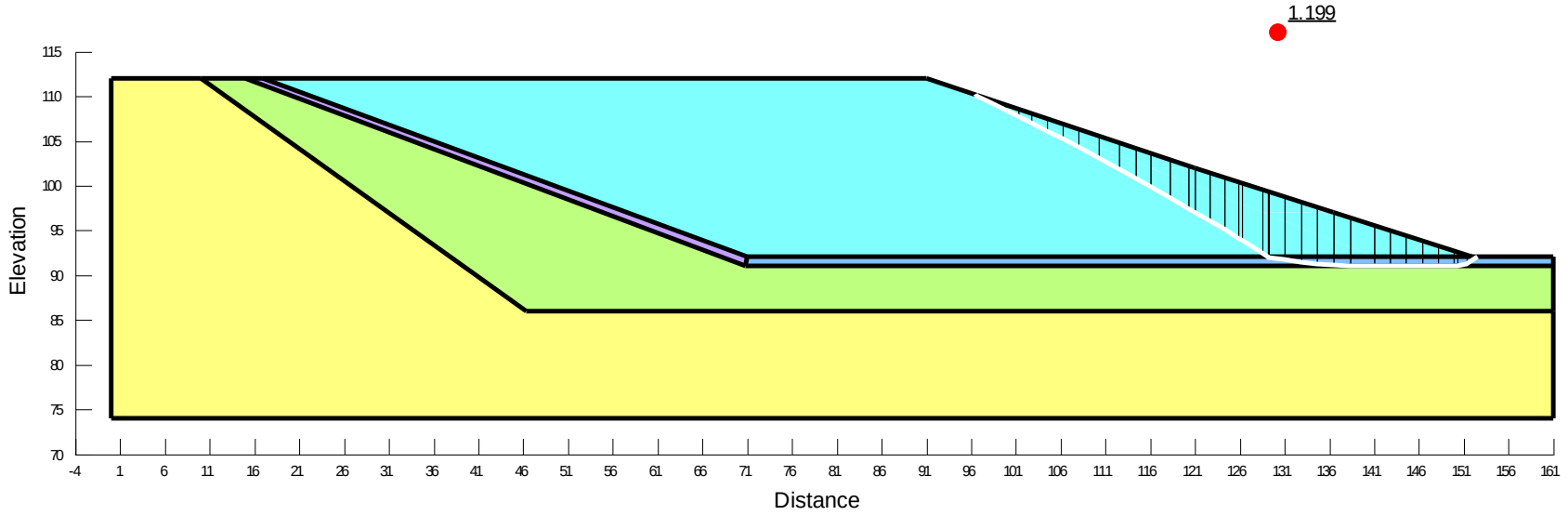
Inert Waste Mode 2C

SLR

Project: PARRYS QUARRY LANDFILL
STABILITY RISK ASSESSMENT
Date: NOVEMBER 2018
SCALE: NTS
Drawing: **DRAWING SRA2-11**
Appendix. **SRA2**

File Name: 190318 416.07238.00001 Parrys Landfill.gsz
Name: 12. Mode 2D: Inert Waste
Method: Morgenstern-Price
Factor of Safety: 1.199

Color	Name	Model	Unit Weight (kN/m³)	Cohesion' (kPa)	Phi' (°)	Phi-B (°)	Ru
	Bedrock	Mohr-Coulomb	20	0	45	0	0
	Engineered Clay	Mohr-Coulomb	19	1	24.5	0	0
	Inert Waste	Mohr-Coulomb	17	0.5	27	0	0.1
	Lining Interface	Mohr-Coulomb	19	0	22	0	0
	Lining Interface (Residual)	Mohr-Coulomb	19	0	14	0	0



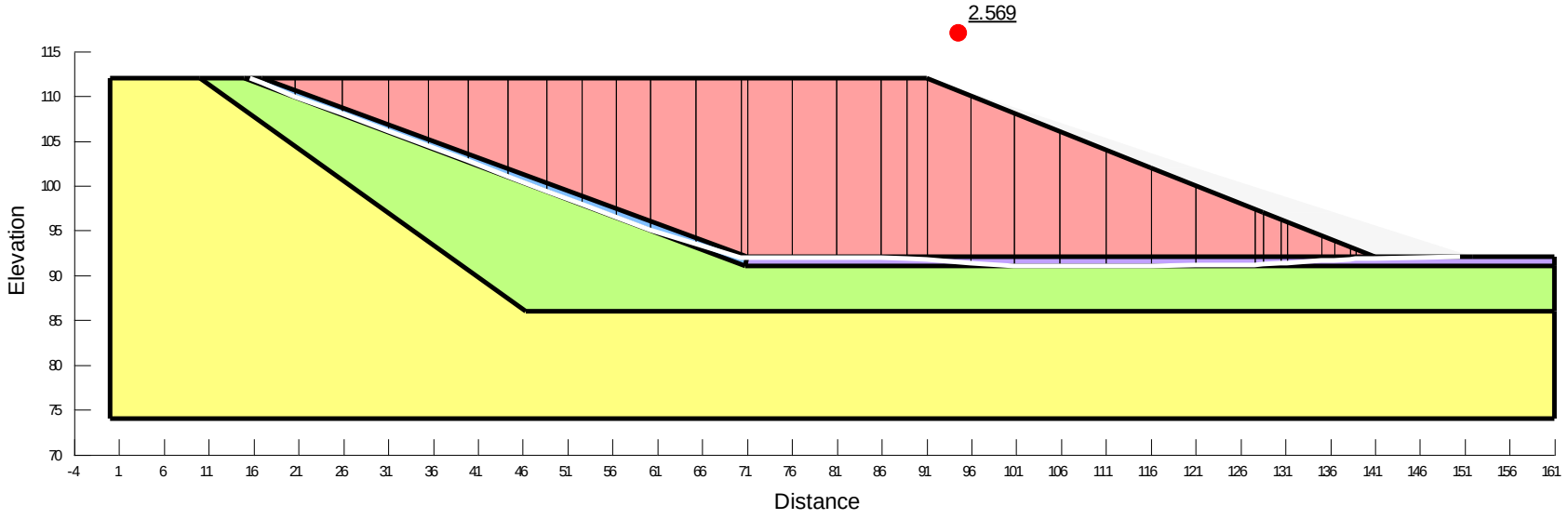
Inert Waste Mode 2D

SLR

Project: PARRYS QUARRY LANDFILL
STABILITY RISK ASSESSMENT
Date: NOVEMBER 2018
SCALE: NTS
Drawing: **DRAWING SRA2-12**
Appendix. **SRA2**

File Name: 181029 416.07238.00001 Parrys Landfill.gsz
Name: 13. Mode 3A: Domestic Waste
Method: Morgenstern-Price
Factor of Safety: 2.569

Color	Name	Model	Unit Weight (kN/m³)	Cohesion' (kPa)	Phi' (°)	Phi-B (°)
	Bedrock	Mohr-Coulomb	20	0	45	0
	Domestic Waste	Mohr-Coulomb	11	5	25	0
	Engineered Clay	Mohr-Coulomb	19	1	24.5	0
	Lining Interface	Mohr-Coulomb	19	0	22	0
	Lining Interface (Residual)	Mohr-Coulomb	19	0	14	0



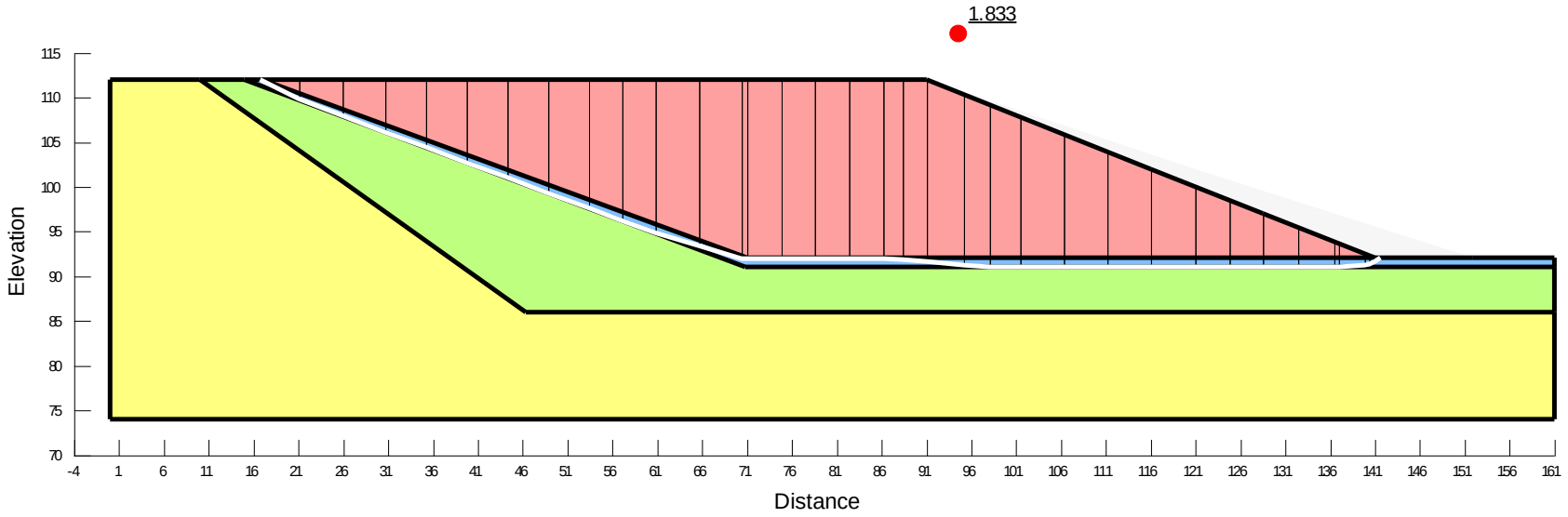
Domestic Waste Mode 3A

SLR

Project: PARRYS QUARRY LANDFILL
STABILITY RISK ASSESSMENT
Date: NOVEMBER 2018
SCALE: NTS
Drawing: **DRAWING SRA2-13**
Appendix. **SRA2**

File Name: 181029 416.07238.00001 Parrys Landfill.gsz
Name: 14. Mode 3B: Domestic Waste
Method: Morgenstern-Price
Factor of Safety: 1.833

Color	Name	Model	Unit Weight (kN/m³)	Cohesion' (kPa)	Phi' (°)	Phi-B (°)
	Bedrock	Mohr-Coulomb	20	0	45	0
	Domestic Waste	Mohr-Coulomb	11	5	25	0
	Engineered Clay	Mohr-Coulomb	19	1	24.5	0
	Lining Interface (Residual)	Mohr-Coulomb	19	0	14	0



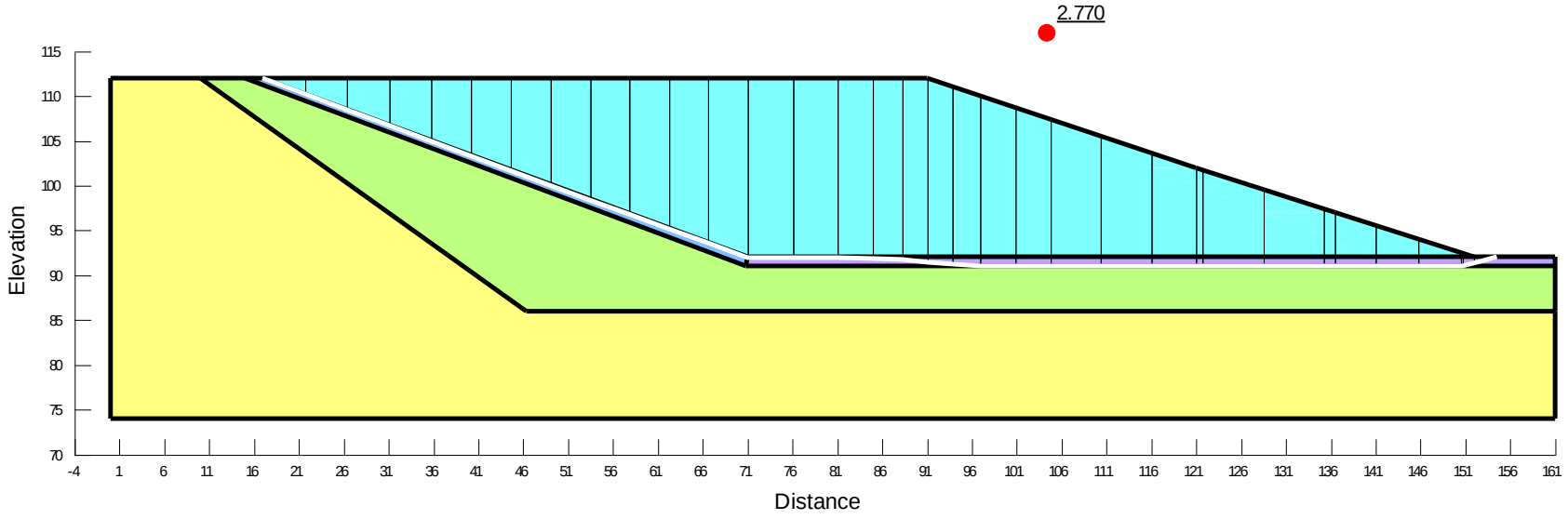
Domestic Waste Mode 3B

SLR

Project: PARRYS QUARRY LANDFILL
STABILITY RISK ASSESSMENT
Date: NOVEMBER 2018
SCALE: NTS
Drawing: **DRAWING SRA2-14**
Appendix. **SRA2**

File Name: 181029 416.07238.00001 Parrys Landfill.gsz
Name: 15. Mode 3A: Inert Waste
Method: Morgenstern-Price
Factor of Safety: 2.770

Color	Name	Model	Unit Weight (kN/m³)	Cohesion' (kPa)	Phi' (°)	Phi-B (°)
	Bedrock	Mohr-Coulomb	20	0	45	0
	Engineered Clay	Mohr-Coulomb	19	1	24.5	0
	Inert Waste	Mohr-Coulomb	17	0.5	27	0
	Lining Interface	Mohr-Coulomb	19	0	22	0
	Lining Interface (Residual)	Mohr-Coulomb	19	0	14	0



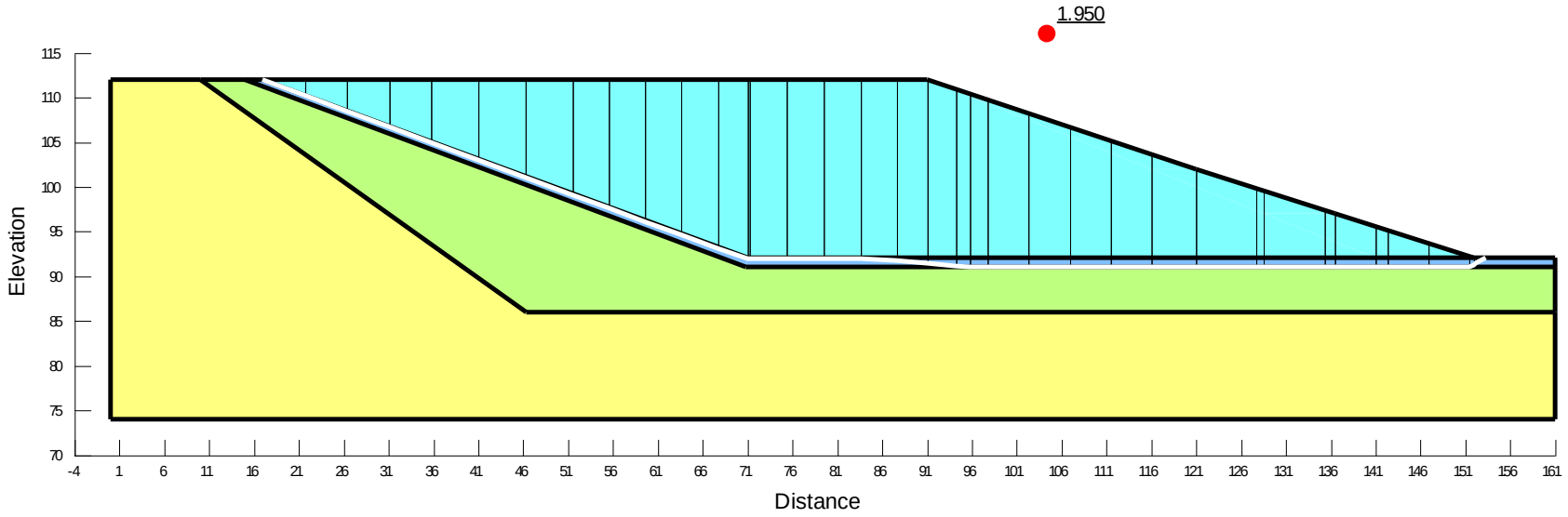
Inert Waste Mode 3A

SLR

Project: PARRYS QUARRY LANDFILL
STABILITY RISK ASSESSMENT
Date: NOVEMBER 2018
SCALE: NTS
Drawing: **DRAWING SRA2-15**
Appendix. **SRA2**

File Name: 181029 416.07238.00001 Parrys Landfill.gsz
Name: 16. Mode 3B: Inert Waste
Method: Morgenstern-Price
Factor of Safety: 1.950

Color	Name	Model	Unit Weight (kN/m³)	Cohesion' (kPa)	Phi' (°)	Phi-B (°)
	Bedrock	Mohr-Coulomb	20	0	45	0
	Engineered Clay	Mohr-Coulomb	19	1	24.5	0
	Inert Waste	Mohr-Coulomb	17	0.5	27	0
	Lining Interface (Residual)	Mohr-Coulomb	19	0	14	0

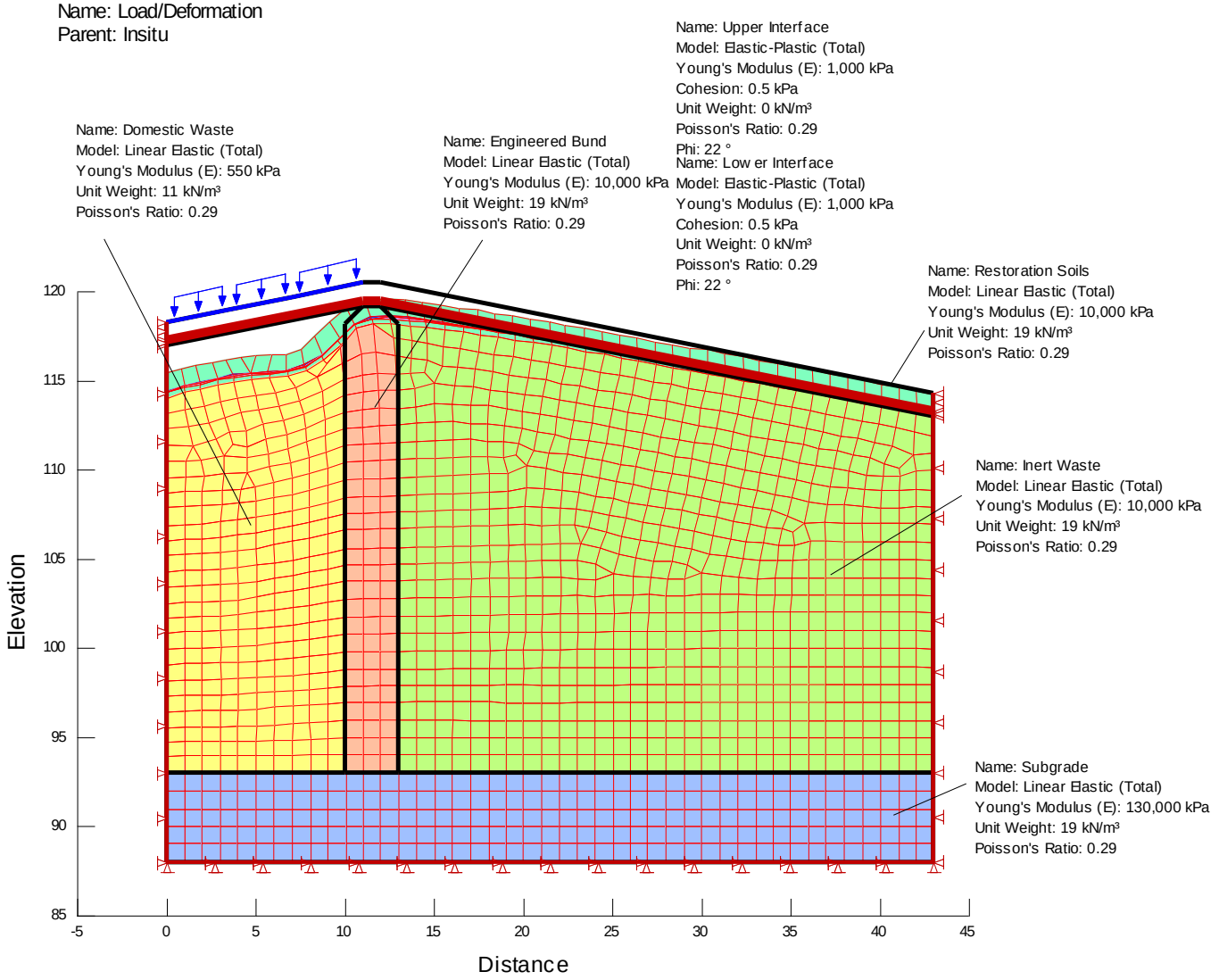


Inert Waste Mode 3B

SLR

Project: PARRYS QUARRY LANDFILL
STABILITY RISK ASSESSMENT
Date: NOVEMBER 2018
SCALE: NTS
Drawing: **DRAWING SRA2-16**
Appendix. **SRA2**

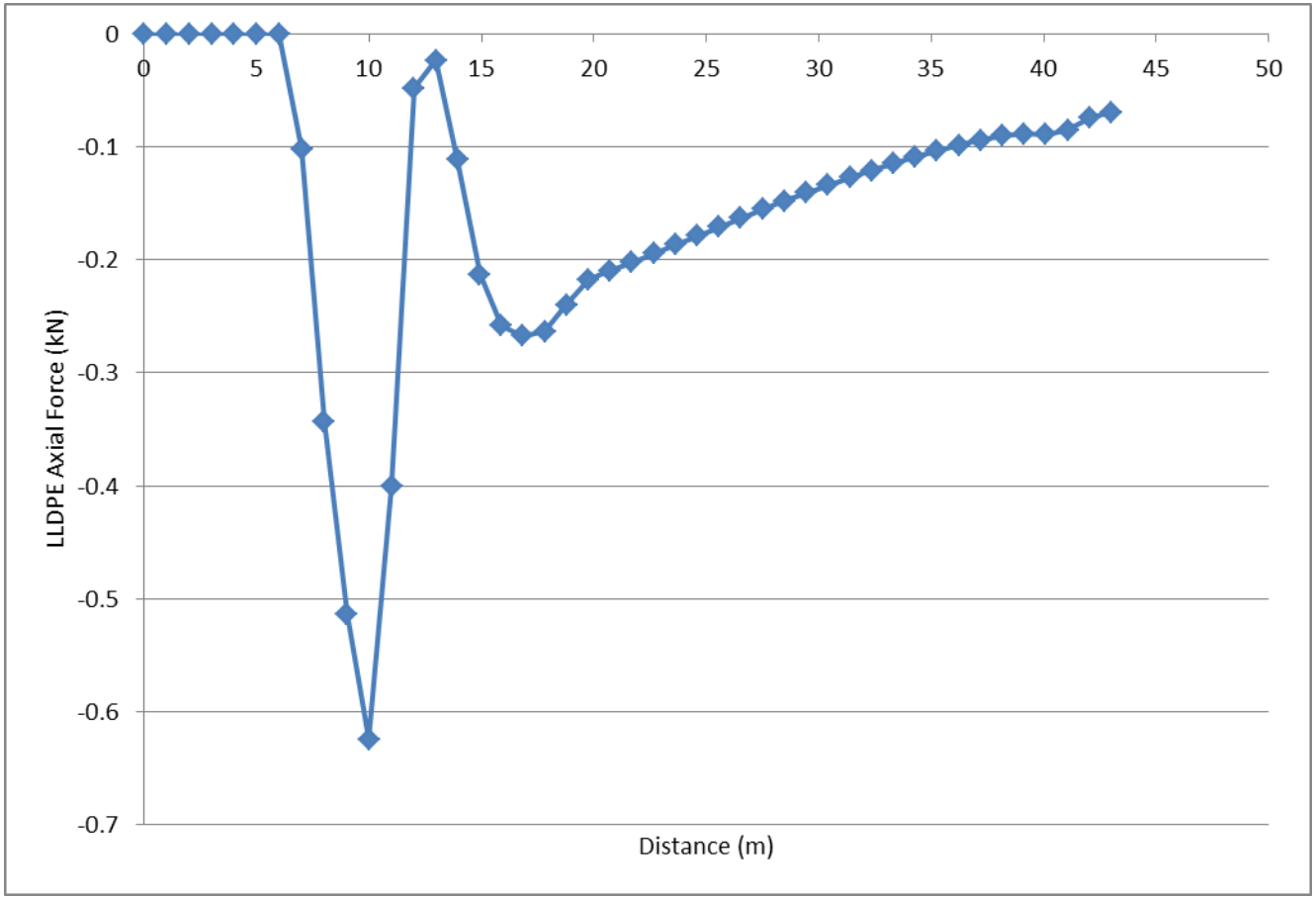
File Name: 181029 416.07238.00001 Parrys Landfill Integrity.gsz
Name: Load/Deformation
Parent: Insitu



Waste settlement

SLR

Project: PARRYS QUARRY LANDFILL
STABILITY RISK ASSESSMENT
Date: NOVEMBER 2018
SCALE: NTS
Drawing: **DRAWING SRA3-1**
Appendix. **SRA3**



Axial Force of LLDPE across bund		SLR	Project:	PARRYS QUARRY LANDFILL
				STABILITY RISK ASSESSMENT
			Date:	NOVEMBER 2018 — SCALE: NTS
			Drawing:	**DRAWING SRA3-2** — Appendix. **SRA3**