



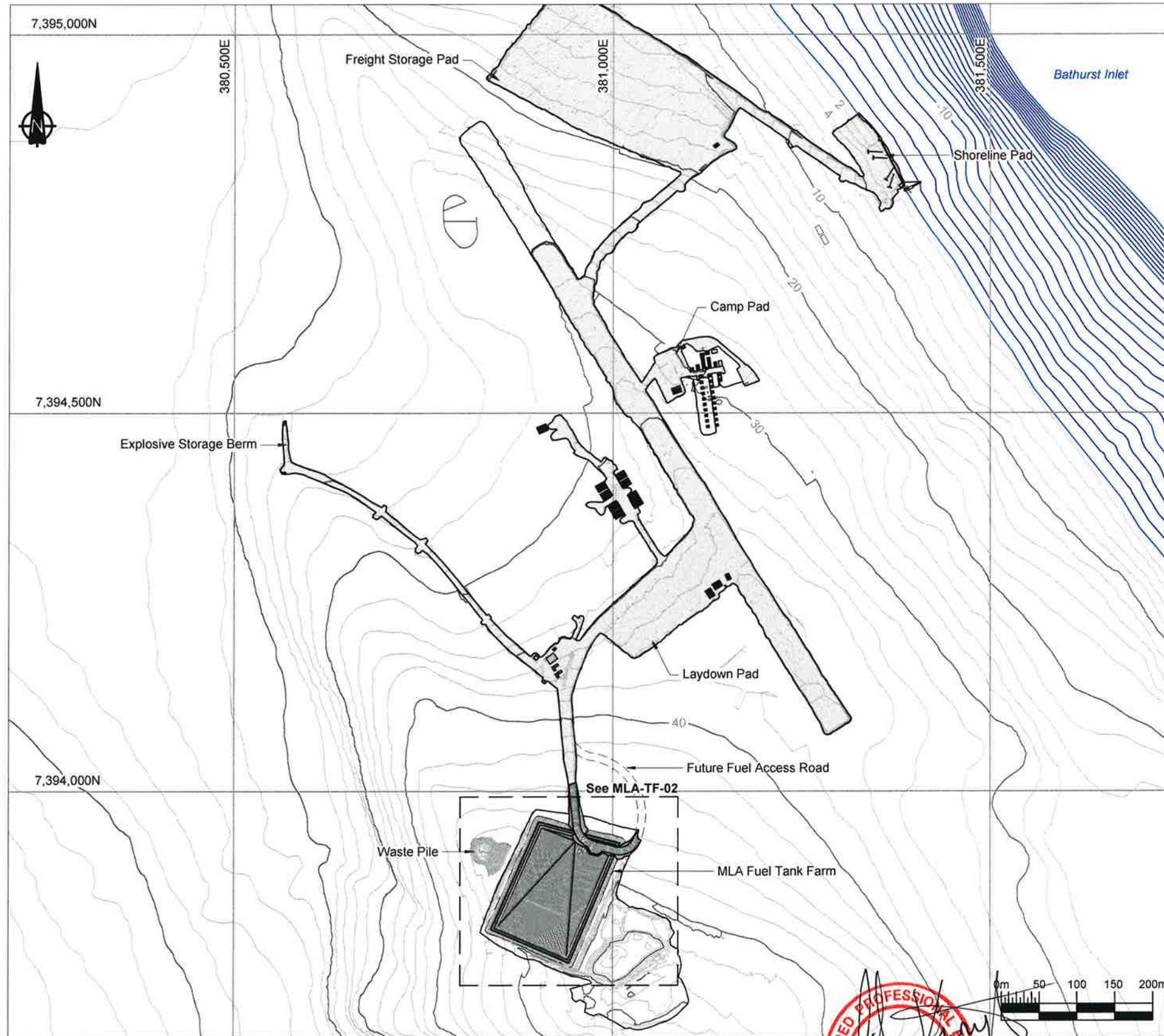
Sabina Gold & Silver Corp.

Back River - Marine Laydown Area

Engineering Drawings for the MLA Fuel Tank Farm

Drawing Number	Drawing Title	Issue	Date	Revision
MLA-TF-01	Fuel Tank Farm - General Arrangement	Issued for Construction	2019/05/24	0
MLA-TF-02	Plan Layout - Final Arrangement with Fuel Transfer Ramp	Issued for Construction	2019/05/24	0
MLA-TF-03	Foundation Preparation Plan Base Pad	Issued for Construction	2019/05/24	0
MLA-TF-04	Containment Berm Plan	Issued for Construction	2019/05/24	0
MLA-TF-05	Liner Subgrade Plan	Issued for Construction	2019/05/24	0
MLA-TF-06	Subgrade Sections and Details	Issued for Construction	2019/05/24	0
MLA-TF-07	Final Layout Plan - Without Ramp	Issued for Construction	2019/05/24	0
MLA-TF-08	Sections and Details - Sheet 1	Issued for Construction	2019/05/24	0
MLA-TF-09	Typical Cross Sections and Access Ramp Profile	Issued for Construction	2019/05/24	0
MLA-TF-10	Sections and Details - Sheet 2	Issued for Construction	2019/05/24	0
MLA-TF-11	Final Arrangement Survey Layout Points	Issued for Construction	2019/05/24	0

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LEGEND



Fuel Tank Farm Area



2018 MLA As-Built

NOTES

1. Regional topographic contour data for the terrain model was provided by the Owner (Sabina). The shown design topography is based on available LIDAR information and the provided August 2018 as-built information. See Reference for additional details on the data sources.
2. Contour intervals are shown at 2m on this figure.
3. All drawings are scaled appropriately for B-size construction drawings. Scales may not be correct if these drawings are reproduced and presented in other size formats.
4. Construction is expected to be in accordance with latest site Technical Specifications - with any variations approved and documented by the Engineer. See the latest Issued For Construction (IFC) "Earthworks and Geotechnical Engineering - Back River Gold Project, Nunavut, Canada" document for more details.
5. Typical details are not to scale (NTS) unless specifically mentioned.
6. These works must be executed in accordance with the standard Sabina health and safety, and environmental standards and protocols. It is the Contractors responsibility to familiarize themselves with these documents.
7. The Contractor and Construction Manager shall familiarize themselves with all appropriate Licenses and / or Permits pertaining to the execution of the Works.
8. The scope of work, for this drawing package, is specifically is focused on the earthwork components of the MLA Tank Farm areas only. No other pads or roads have been looked at or designed by SRK. These drawings exclude all electrical and mechanical elements.
9. Before any construction is carried out on site a geotechnical Engineer (or Engineers' representative) need to visit site and confirm the foundation conditions are bedrock, specifically important below the planned tank locations. Proceeding with construction, as noted on this IFC drawing, is contingent on the Engineer conducting a physical inspection of the foundation conditions to confirm that the facility will be founded on a competent bedrock foundation as opposed to unconsolidated fill, frozen sand, or overburden. Construction may only proceed with written approval from the Engineer.
10. All dimensioned are in meters unless otherwise stated.
11. Notes on this drawing apply to all other drawings in this issue / package.

REFERENCE

- Coordination system: NAD83 UTM Zone 13.
- Base topographic contours generated from data provided by Sabina Gold and Silver Corp. File name: 'bathurst_inlet_1m_dem_tile26 to tile39.xyz', dated 2012-20-13.
- Available bathymetric data (blue contours) provided by Sabina on 2018/04/19. File name: BathymetryBathurst.dwg. This data set was collected by ERM (formerly Rescan).
- As-Built Shoreline Pad survey provided by Sabina. File name: Site 180818MLA Jetty.dwg, dated 2018-08-18
- As-Built Quarry survey provided by Sabina May 8, 2019. File name: CAB180818 Quarry.dwg, dated 2018-08-18
- As-Built data for existing earthworks (pads and roads) and building and infrastructures provided by Sabina May 8, 2019. File name: Site 180818MLA Status map.dwg, dated 2018-08-18

MATERIALS LIST AND QUANTITIES

Item	Volume or Area	
Crush Material (above and below liner) See 'Surfacing Material' in the Tech Specs	Underliner	9,690m³
	Overliner	9,870m³
	Total	19,560m³
Levelling Material See 'Transition Material' description in the Tech Specs	Base Pad	15,110m³
	Access Ramp	3,010m³
	Total	18,120m³
Rockfill (Run of Quarry - ROQ)	Berms (bulk fill)	8,750m³
Geotextile: Non-woven Needle Punched LP16 or Propex Geotext 1601 or equivalent	Above and Below HDPE	36,300m²
Liner: HDPE Textured 60mil (~1.5mm thick) or equivalent	Main liner element	18,150m²

1. All reported volumes are calculated to neat lines. No bulking / shrinking factors or potential settlement losses have been utilized in the volume determination.
2. Areas do not account for overlaps, excess required for installation, or for any deviations from the neat design lines. For the liner quantities an allowance of at least 20% is suggested.
3. All volumes derived from AutoCAD Civil 3D 2018.
4. Note that the material's outlines above should be checked against the Technical Specification and or should get written approval from the engineer to confirm suitability.
5. The required crushed quantities required for the tank pedestals not shown / included in the current design.

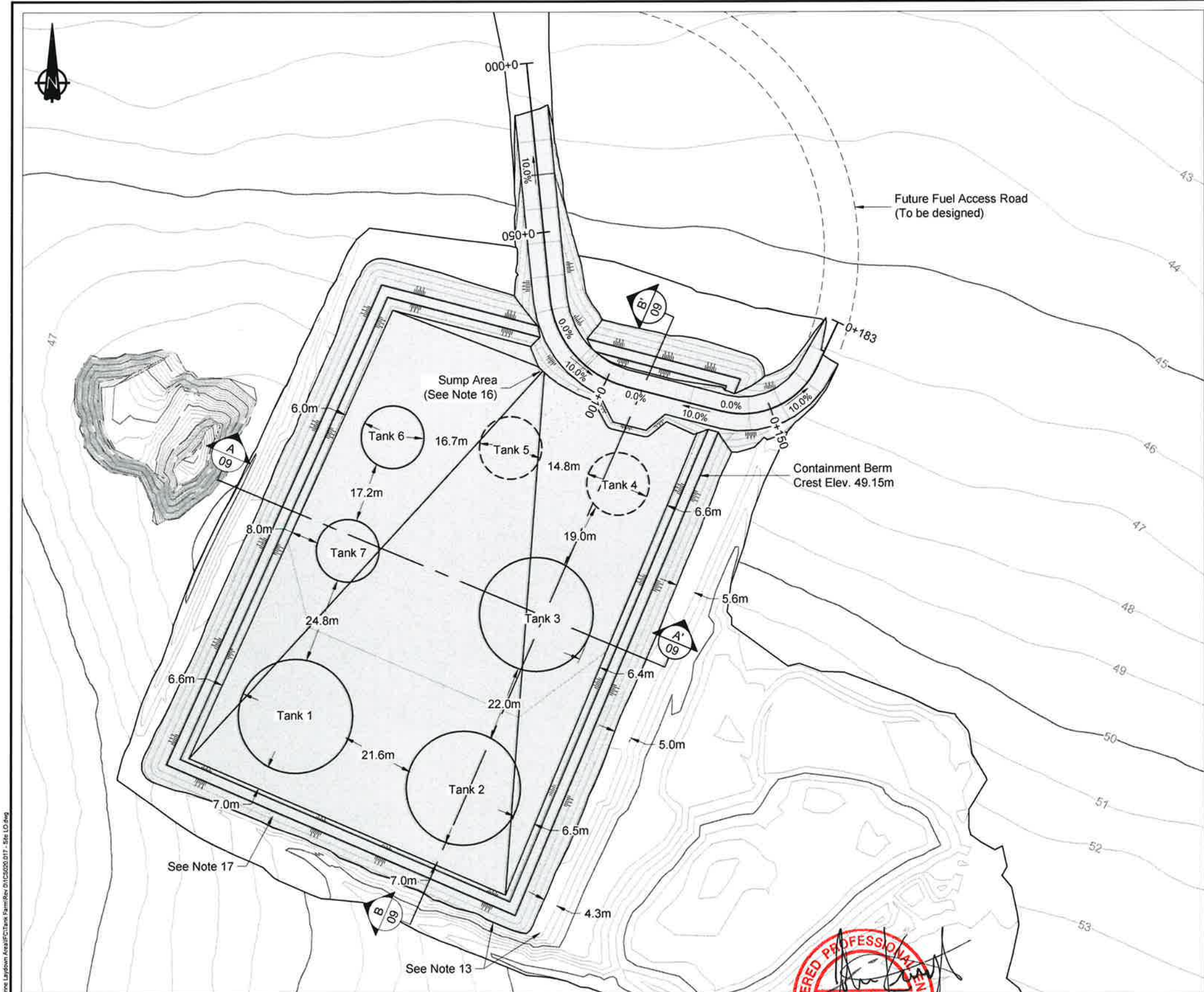
DRAWING NO.	DRAWING TITLE	NO.	DESCRIPTION	CHKD	APPD	DATE	NO.	DESCRIPTION	CHKD	APPD	DATE
MLA-TF-11	Final Arrangement Survey Layout Points										
MLA-TF-10	Sections and Details - Sheet 2										
MLA-TF-09	Typical Cross Sections and Access Ramp Profile										
MLA-TF-08	Sections and Details - Sheet 1										
MLA-TF-02	Plan Layout - Final Arrangement with Fuel Transfer Ramp	--	--	--	--	--	--	--	--	--	--
REFERENCE DRAWINGS											
REVISIONS											



DESIGN:	JBK	DRAWN:	TH	REVIEWED:	VB
CHECKED:	RW	APPROVED:	JBK	DATE:	2019/05/24
FILE NAME:	1CS020.017 - GA.dwg				

Sabina GOLD & SILVER CORP.	
Back River Project	
SRK JOB NO.	1CS020.017

Marine Laydown Area		
DRAWING TITLE:		
Fuel Tank Farm - General Arrangement		
DRAWING NO.	SHEET	REVISION NO.
MLA-TF-01	1 OF 11	0



- LEGEND**
- Fuel Tank Farm Area - Final Layout
- NOTES**
- Contour intervals are shown at 1m on this figure.
 - Original ground to be re-surveyed on site (at the quarry) prior to construction of the MLA Fuel Tank Farm. This would be done to confirm the design thicknesses, arrangement and geometry presented in these IFC drawings.
 - The MLA Fuel Tank Farm is to be constructed on a thin graded engineered fill pad that is constructed immediately over an intact bedrock surface. This foundation pad should be generally sloping from the South to North to help promote better drainage of surface water.
 - The Contractor shall aim to ensure that the blasted floor has some form of natural drainage to minimize the potential for ponding water.
 - Tanks 1, 2 and 3 are all expected to be 10ML tanks that will be designed and constructed by Others. At this time only one 10ML tank is expected to be erected in 2019 (with the remaining tanks to be erected in future years).
 - Tanks 6 and 7 are expected to be 2.5ML tanks that will also be designed and constructed by Others.
 - At the time of this drawing issue, the Owner (Sabina) was unsure as to if Tanks 4 and 5 would be constructed as two 2.5ML tanks or as one 5ML tank. This will be determined at a later date by the Owner. To provide flexibility the current MLA Tank Farm arrangement has been sized to accommodate either of these option in the northeast corner of the bunded area (i.e. could accommodate two 2.5ML tanks or one 5ML tank around the Tanks 4 and 5 area). The Engineer should be notified when the decision on the tank size for this final 5ML of fuel storage is constrained. Checks can then be done to provide final confirmation that the current bund design is suitable.
 - The grounding of the tanks will be designed and installed by Others.
 - All tanks will only be operational once the appropriate regulatory approvals have been put in place.
 - The owner will install appropriate signage and barricades to prevent a vehicle access within the secondary containment area (bunded area). Once fully constructed the primary access will be only over the designed fuel transfer ramp.
 - The MLA Fuel Tank Farm Design (including tank spacing and containment volume) is based on, an meets the standards from the Canadian Council of Ministers of Environment (CCME), National Fire Code of Canada (2015) and the Sabina Gold and Silver Corporation Environmental Standards.
 - All drawings should be read in conjunction with the latest IFC technical specifications document ('Technical Specifications Earthworks and Geotechnical Engineering - Back River Gold Project, Nunavut, Canada - Issued for Construction').
 - Rockfall safety measures such as rock bolts and mesh may be required pending the final surface of the bedrock highwall. An inspection by the Engineer / an Engineers' representative to inspect and map the quarry highwall should be complete. In consultation with the Owner, proper safety measures should be implemented at or around the high wall. As a preliminary measure a slight offset has been left from the top of the containment berm (bund) crest and the largest highwall to allow for a small 'catch bench' area to be formed.
 - If permafrost / overburden is exposed during any quarry development activities (drilling, blasting ad excavation) then standard procedures of constructing a minimum 1m thick thermal insulating cover shall be implement (e.g. at areas such as at the top of the highwall excavation).
 - Before any cranes are used on site (such as within the bunded areas to help place or erect the tanks), calculations should be complete to check that the crane loads are adequately spread as to not negatively impact / damage the underlying HDPE liner.
 - Proceeding with construction, as noted on this IFC drawing, is contingent on the Engineer conducting a physical inspection of the foundation conditions to confirm that the facility will be founded on a competent bedrock foundation as opposed to unconsolidated fill, frozen sand, or overburden. Construction may only proceed with written approval from the Engineer. All dimensioned are in meters unless otherwise stated.
 - Notes on this drawing apply to all other drawings in this issue / package.

- REFERENCES**
- Coordination system: NAD83 UTM Zone 13.
 - Base topographic contours generated from data provided by Sabina Gold and Silver Corp. File name: 'bathurst_inlet_1m_dem_tile26 to tile39.xyz', dated 2012-20-13.
 - As-Built Quarry survey provided by Sabina May 8, 2019. File name: CAB180818 Quarry.dwg, dated 2018-08-18



REFERENCE DRAWINGS		REVISIONS					
DRAWING NO.	DRAWING TITLE	NO.	DESCRIPTION	CHKD	APPD	DATE	
MLA-TF-11	Final Arrangement Survey Layout Points						
MLA-TF-10	Sections and Details - Sheet 2						
MLA-TF-09	Typical Cross Sections and Access Ramp Profile						
MLA-TF-08	Sections and Details - Sheet 1						
MLA-TF-02	Plan Layout - Final Arrangement with Fuel Transfer Ramp						



srk consulting

DESIGN:	JBK	DRAWN:	TH	REVIEWED:	VB
CHECKED:	RW	APPROVED:	JBK	DATE:	2019/05/24
FILE NAME:	1CS020.017 - Site LO.dwg				

Sabina
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Back River Project

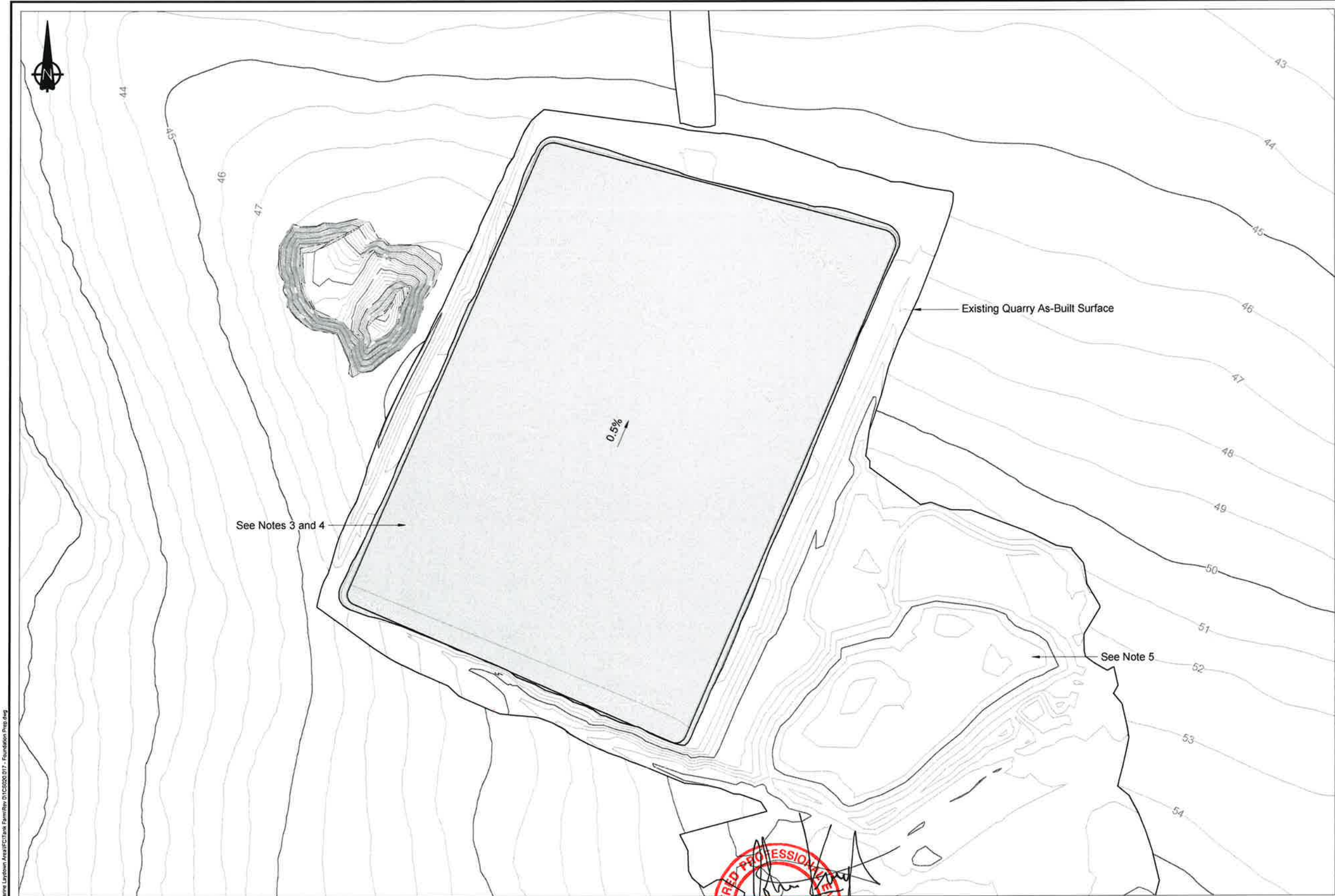
SRK JOB NO.: 1CS020.017

Marine Laydown Area

DRAWING TITLE:
Plan Layout - Final Arrangement with Fuel Transfer Ramp

DRAWING NO.	SHEET	REVISION NO.
MLA-TF-02	2 OF 11	0

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LEGEND

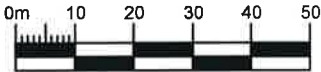
- Fuel Tank Farm - Foundation Base

NOTES

1. Contour intervals are shown at 1m on this figure.
2. The MLA Fuel Tank Farm is to be constructed on a thin graded engineered fill pad that is constructed immediately over an intact bedrock surface. Generally, this foundation pad should be sloping from the South to North to help promote better drainage of surface water.
3. All blasted material shall be excavated to the exposed intact rock surface for the survey and approval from the Engineer.
1. Before any construction (before the foundation preparation pad is constructed) the Engineer (or engineers' representative) must inspect the blasted quarry foundation to confirm that the foundation conditions are in fact bedrock. Proceeding with construction, as noted on this IFC drawing, is contingent on the Engineer conducting a physical inspection of the foundation conditions to confirm that the facility will be founded on a competent bedrock foundation as opposed to unconsolidated fill, frozen sand, or overburden. Construction may only proceed with written approval from the Engineer. All dimensioned are in meters unless otherwise stated.
4. The stability of stockpiles above the highwall should be checked to ensure that these piles are stable and that a failure of these piles would not negatively impact the tanks / tank farm area. If stockpile areas are to remain long term above the tank farm areas then a stockpile management plant should be developed.
5. All dimensioned are in meters unless otherwise stated.
6. Notes on this drawing apply to all other drawings in this issue / package.

REFERENCES

- Coordination system: NAD83 UTM Zone 13.
- Base topographic contours generated from data provided by Sabina Gold and Silver Corp. File name: 'bathurst_inlet_1m_dem_tile26 to tile39.xyz', dated 2012-20-13.
- As-Built Quarry survey provided by Sabina May 8, 2019. File name: CAB180818 Quarry.dwg, dated 2018-08-18



REFERENCE DRAWINGS		REVISIONS					
DRAWING NO.	DRAWING TITLE	NO.	DESCRIPTION	CHKD	APPD	DATE	
MLA-TF-06	Subgrade Sections and Details	--	--	--	--	0	Issued for Construction
MLA-TF-04	Containment Berm Plan (Bulk Fill)	--	--	--	--	A	Issued for Permit

REGISTERED PROFESSIONAL ENGINEER
J.B. KURYLO
LICENSEE
2019/05/24

This drawing is uncontrolled when printed unless stamped / certified in accordance with the requirements of the applicable jurisdiction and recorded on a Distribution Register.

DESIGN: JBK DRAWN: TH REVIEWED: VB
CHECKED: RW APPROVED: JBK DATE: 2019/05/24
FILE NAME: 1CS020.017 - Foundation Prep.dwg

Sabina
GOLD & SILVER CORP.

Back River Project

SRK JOB NO.: 1CS020.017

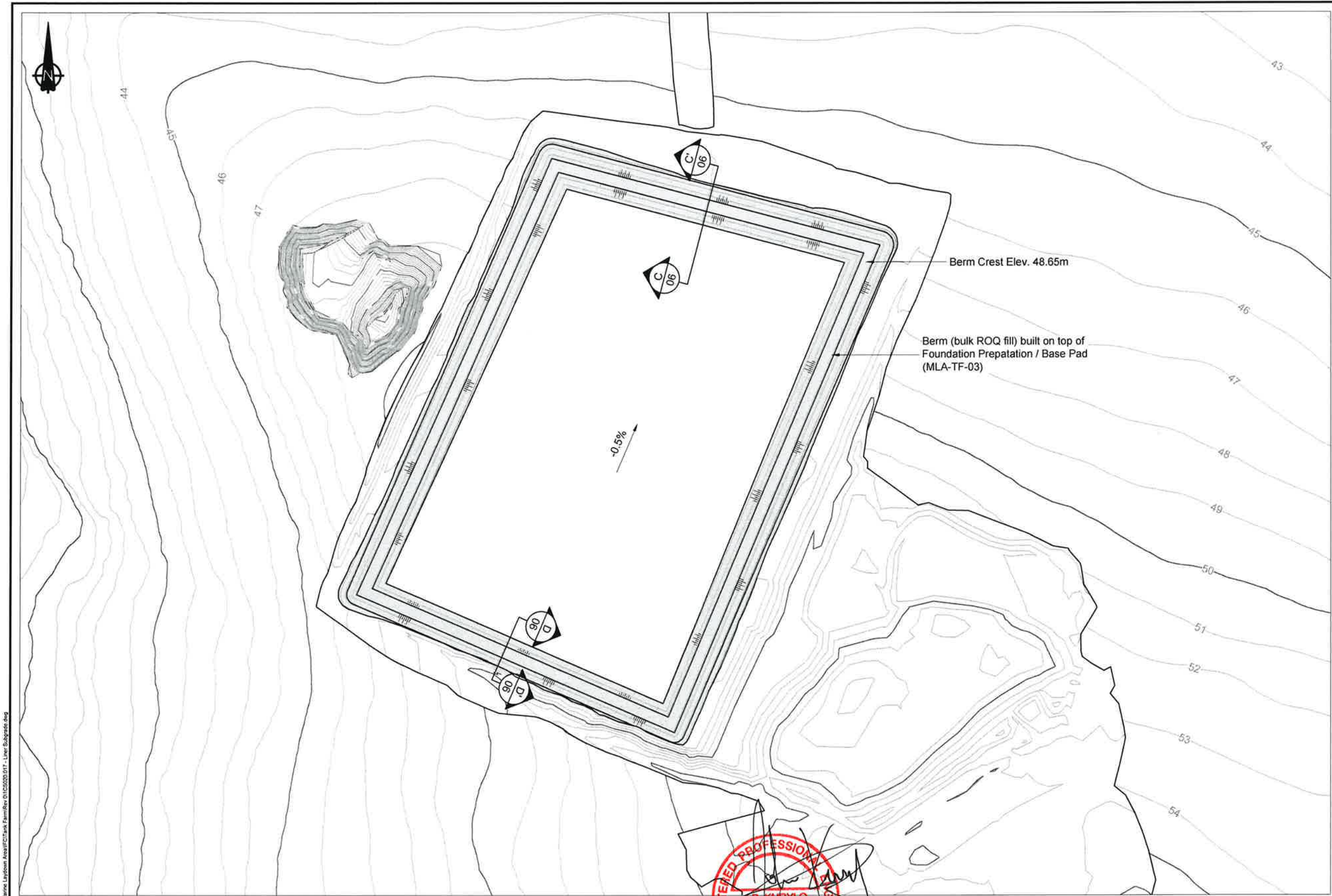
Marine Laydown Area

DRAWING TITLE
Foundation Preparation Plan
Base Pad

DRAWING NO.
MLA-TF-03

SHEET
3 OF 11

REVISION NO.
0



LEGEND

Fuel Tank Farm - Berm

NOTES

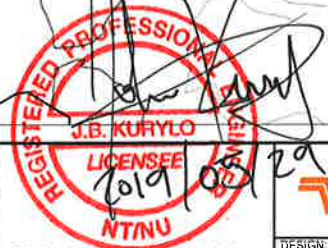
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- As-Built Quarry survey provided by Sabina May 8, 2019. File name: CAB180818 Quarry.dwg, dated 2018-08-18

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REFERENCE DRAWINGS				REVISIONS			
DRAWING NO.	DRAWING TITLE	NO.	DESCRIPTION	CHKD	APPD	DATE	NO.
MLA-TF-06	Subgrade Sections and Details	--	--	--	--	0	Issued for Construction
MLA-TF-03	Foundation Preparation Plan Base Pad	--	--	--	--	A	Issued for Permit



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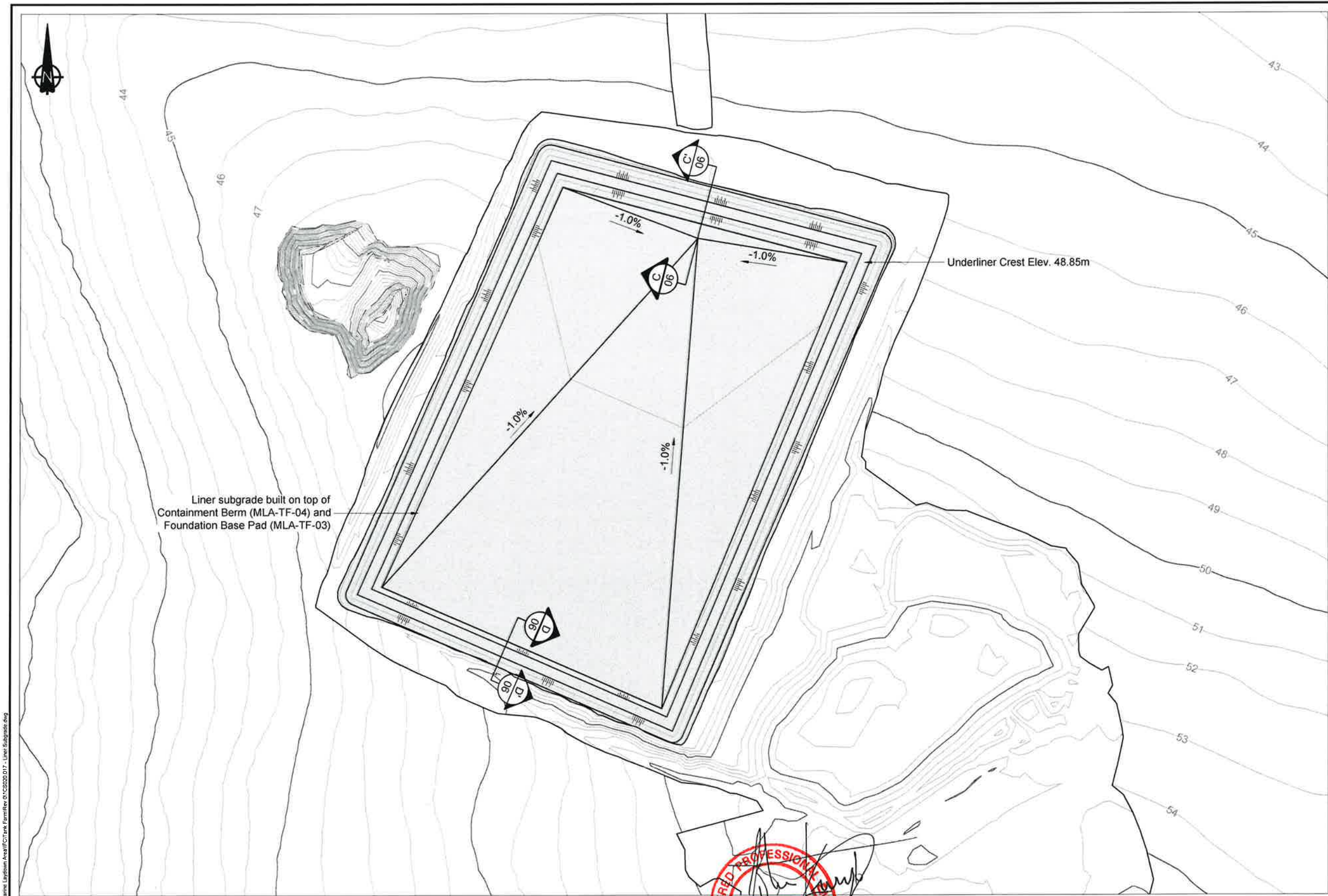


Back River Project

FILE NAME: 1CS020.017 - Liner Subgrade.dwg

SRK JOB NO.: 1CS020.017

Marine Laydown Area		
DRAWING TITLE:		
Containment Berm Plan (Bulk Fill)		
DRAWING NO.		
MLA-TF-04	SHEET 4 OF 11	REVISION NO. 0



LEGEND

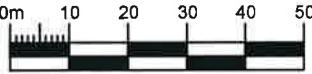
 Fuel Tank Farm - Underliner Material

NOTES

1. Contour intervals are shown at 1m on this figure.
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3. Proceeding with construction, as noted on this IFC drawing, is contingent on the Engineer conducting a physical inspection of the foundation conditions to confirm that the facility will be founded on a competent bedrock foundation as opposed to unconsolidated fill, frozen sand, or overburden. Construction may only proceed with written approval from the Engineer. All dimensioned are in meters unless otherwise stated.
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REFERENCES

- Coordination system: NAD83 UTM Zone 13.
- Base topographic contours generated from data provided by Sabina Gold and Silver Corp. File name: 'bathurst_inlet_1m_dem_tile26 to tile39.xyz', dated 2012-2013.
- As-Built Quarry survey provided by Sabina May 8, 2019. File name: CAB180818 Quarry.dwg, dated 2018-08-18



REFERENCE DRAWINGS		REVISIONS			
DRAWING NO.	DRAWING TITLE	NO.	DESCRIPTION	CHKD	APPD
MLA-TF-06	Subgrade Sections and Details				
MLA-TF-04	Containment Berm Plan (Bulk Fill)				
MLA-TF-03	Foundation Preparation Plan Base Pad				

PROFESSIONAL ENGINEERS STAMP

REGISTERED PROFESSIONAL ENGINEER
J.B. KURYLO
LICENSEE
2019/05/24

This drawing is unclassified and may be used for any purpose without the written consent of the applicable jurisdiction and recorded on a Distribution Register.

DESIGN: JBK
CHECKED: RW
DRAWN: TH
APPROVED: JBK
REVIEWED: VB
DATE: 2019/05/24

FILE NAME: 1CS020.017 - Liner Subgrade.dwg

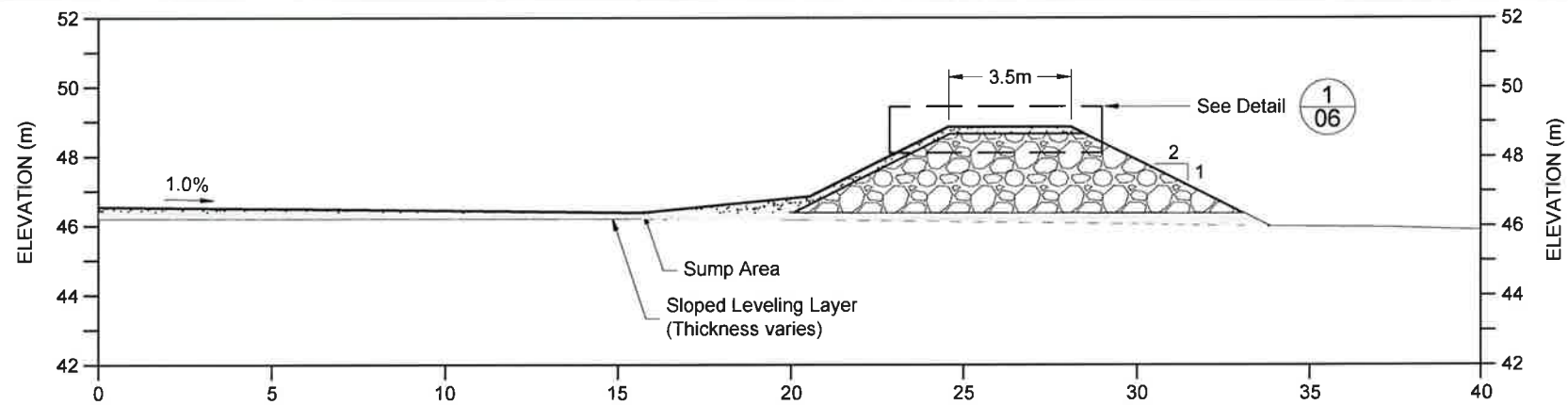
Sabina
SILVER MOUNTAIN
Back River Project

SRK JOB NO: 1CS020.017

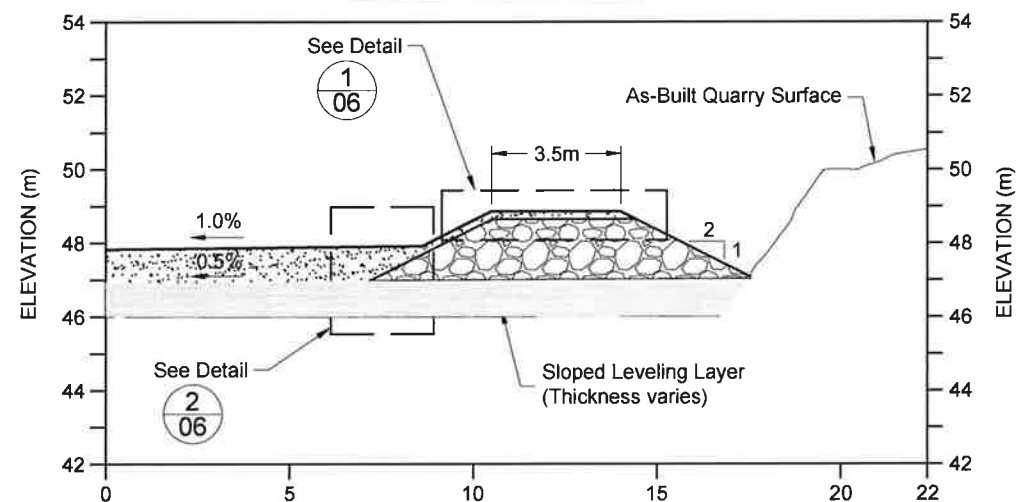
Marine Laydown Area

DRAWING TITLE:
Liner Subgrade Plan

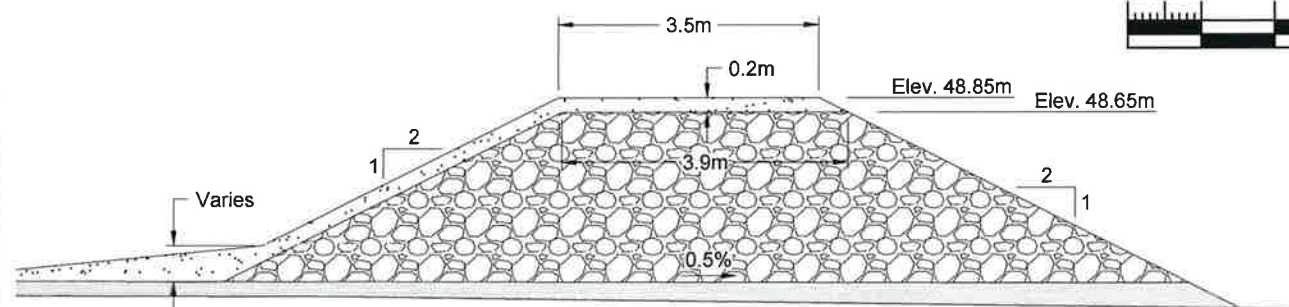
DRAWING NO: MLA-TF-05
SHEET 5 OF 11
REVISION NO: 0



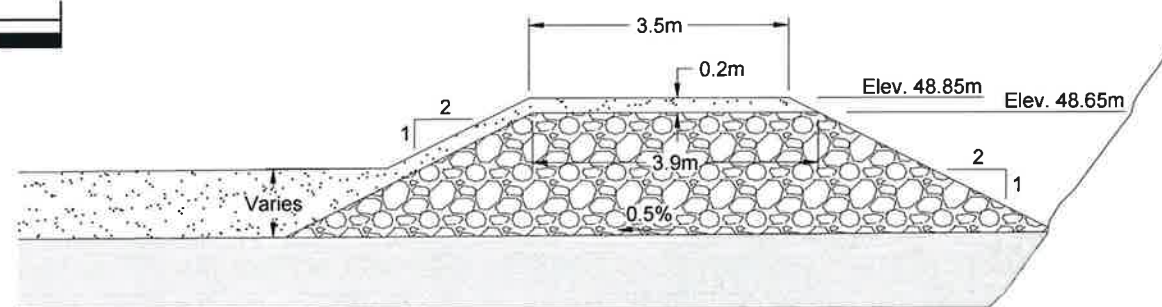
Cross Section C-C'
04.05
0m 2 4 6 8



Cross Section D-D'
04.05
0m 2 4 6 8



Detail 1 -
06
0m 1 2 3 4



Detail 2 -
06
0m 1 2 3 4

LEGEND

- Crushed Rock (underliner / surfacing)
- Leveling Layer (transition)
- Rockfill (ROQ)

NOTES

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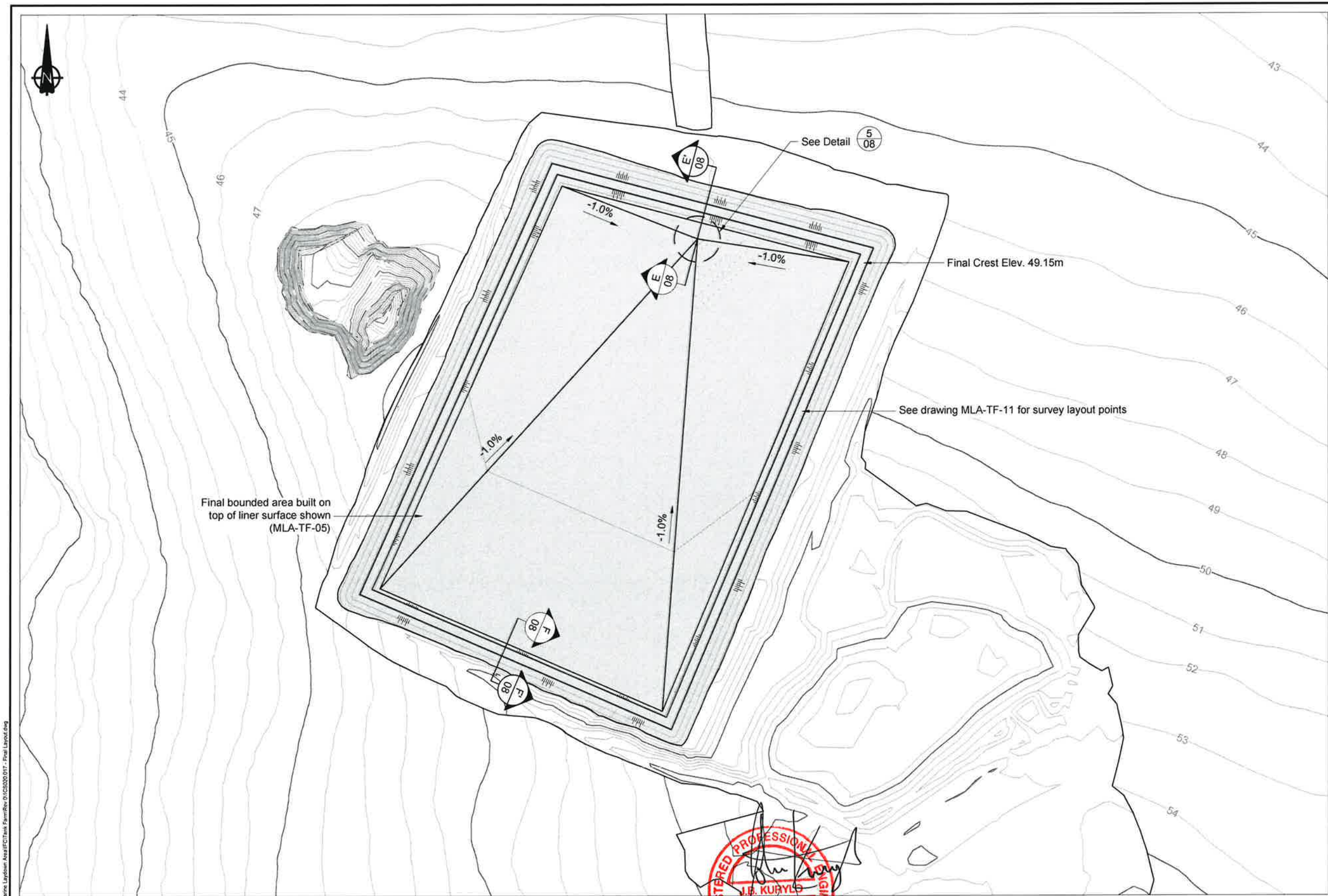
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REGISTERED PROFESSIONAL ENGINEER
J.B. KURYLO
2019/05/24
NTNU
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DESIGN: JBK
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REVIEWED: VB
CHECKED: RW
APPROVED: JBK
DATE: 2019/05/24
FILE NAME: 1CS020 017 - Liner Subgrade.dwg

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CONSULTING
Back River Project
SRK JOB NO.: 1CS020 017

Marine Laydown Area
DRAWING TITLE:
Subgrade Sections and Details
DRAWING NO: **MLA-TF-06**
SHEET: 6 OF 11
REVISION NO: **0**

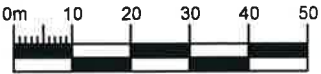


LEGEND

□ Fuel Tank Farm - Overliner Material

- NOTES**
1. Contour intervals are shown at 1m on this figure.
 2. All dimensions are in meters unless otherwise stated.
 3. Notes on this drawing apply to all other drawings in this package.

- REFERENCES**
- Coordination system: NAD83 UTM Zone 13.
 - Base topographic contours generated from data provided by Sabina Gold and Silver Corp. File name: 'bathurst_inlet_1m_dem_tile26 to tile39.xyz', dated 2012-20-13.
 - As-Built Quarry survey provided by Sabina May 8, 2019. File name: CAB180818 Quarry.dwg, dated 2018-08-18



REFERENCE DRAWINGS				REVISIONS			
DRAWING NO.	DRAWING TITLE	NO.	DESCRIPTION	CHKD	APPD	DATE	NO.
MLA-TF-11	Final Arrangement Survey Layout Points						
MLA-TF-08	Sections and Details - Sheet 1						
MLA-TF-05	Liner Subgrade Plan						



srk consulting

DESIGN: JBK DRAWN: TH REVIEWED: VB
CHECKED: RW APPROVED: JBK DATE: 2019/05/24

FILE NAME: 1CS020.017 - Final Layout.dwg

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GOLD & SILVER CORP.

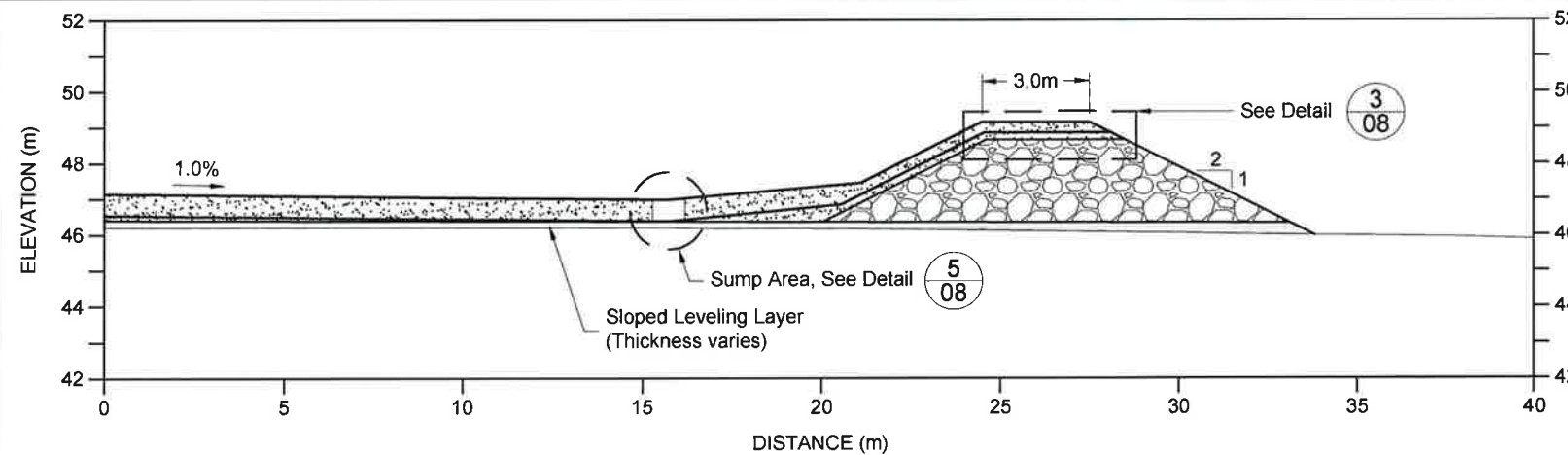
Back River Project

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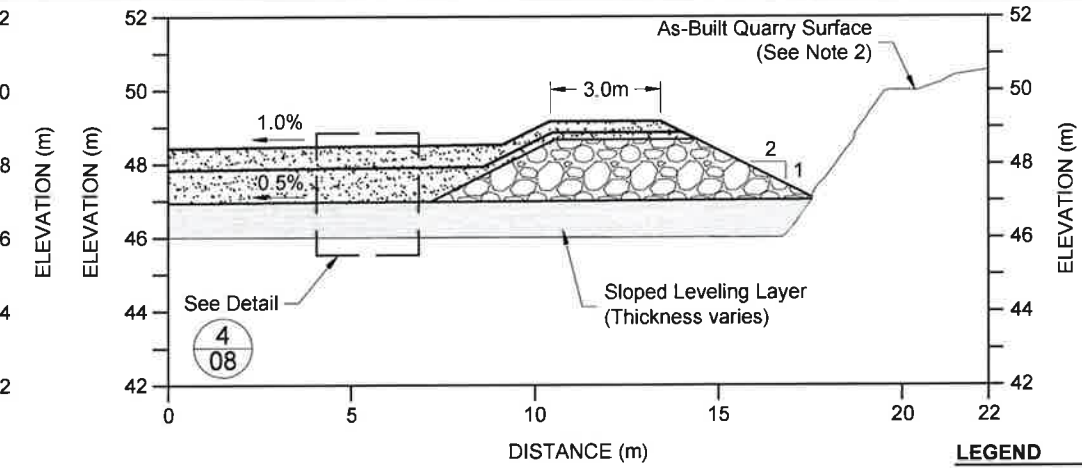
Marine Laydown Area

DRAWING TITLE: **Final Layout Plan - Without Ramp**

DRAWING NO: **MLA-TF-07** SHEET 7 OF 11 REVISION NO: **0**



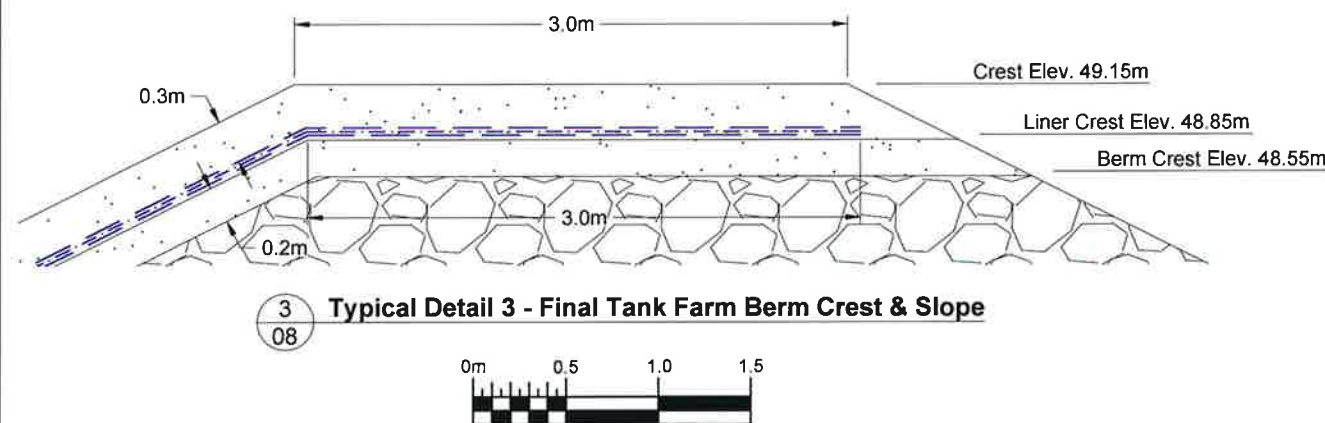
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0m 2 4 6 8



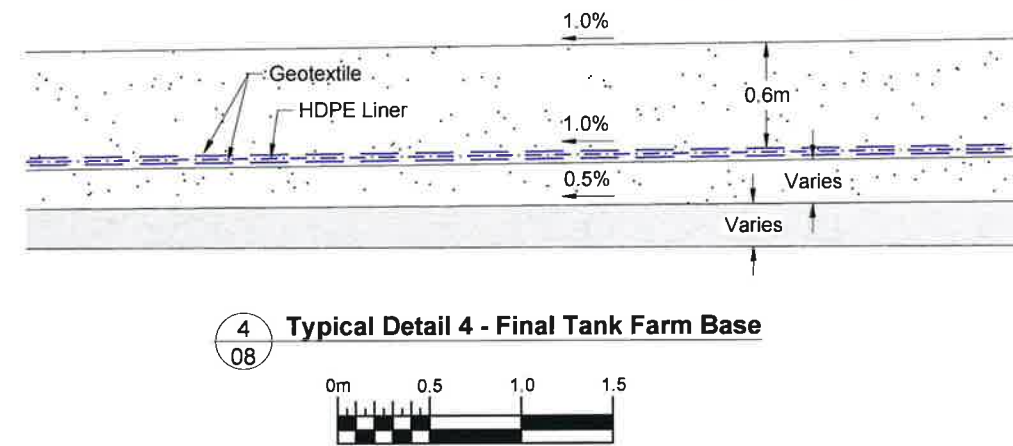
E Cross Section E-E'
0m 2 4 6 8

- LEGEND**
- Geotextile (non-woven)
 - HDPE Liner
 - Crushed Rock (above / below liner)
 - Leveling Layer (transition)
 - Rockfill (ROQ)

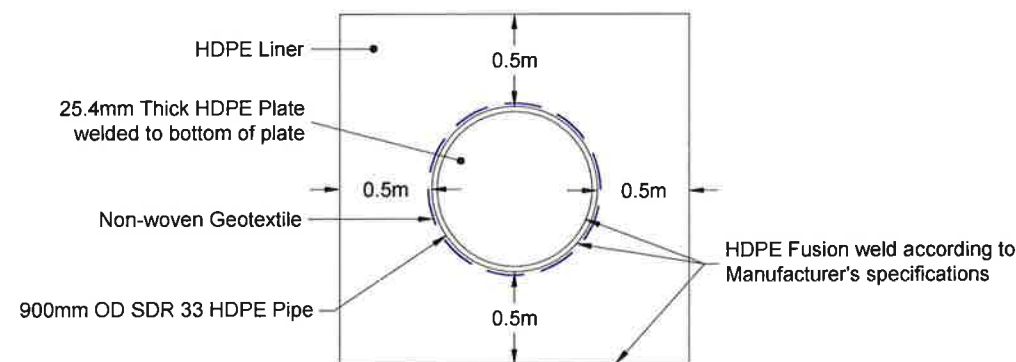
- NOTES**
1. All dimensioned are in meters unless otherwise stated.
 2. Rockfall safety measures such as rock bolts and mesh may be required pending the final surface of the bedrock highwall. In consultation with the Owner, proper safety measures should be implemented at or around the high wall.
 3. Proceeding with construction, as noted on this IFC drawing, is contingent on the Engineer conducting a physical inspection of the foundation conditions to confirm that the facility will be founded on a competent bedrock foundation as opposed to unconsolidated fill, frozen sand, or overburden. Construction may only proceed with written approval from the Engineer. All dimensioned are in meters unless otherwise stated.
 4. Notes on this drawing apply to all other drawings in this issue / package.



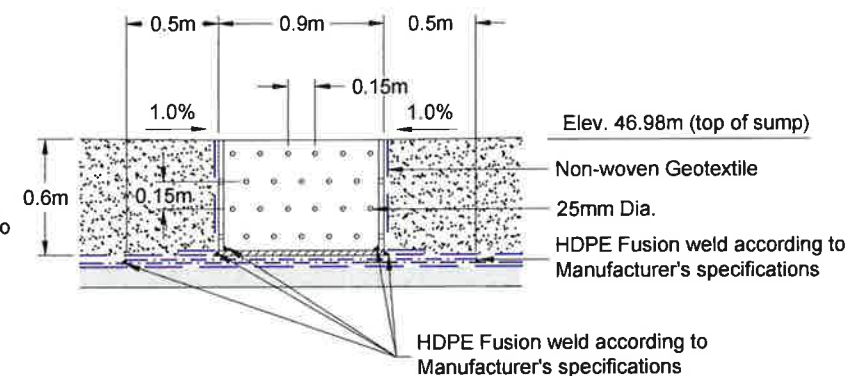
3 Typical Detail 3 - Final Tank Farm Berm Crest & Slope
0m 0.5 1.0 1.5



4 Typical Detail 4 - Final Tank Farm Base
0m 0.5 1.0 1.5



5 Detail 5 - Typical Sump
0m 0.5 1.0 1.5



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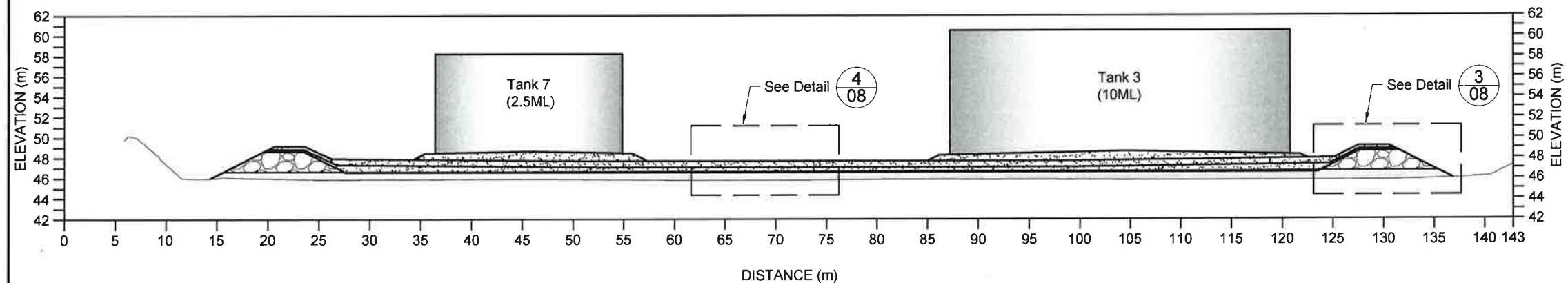
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MLA-TF-10	Sections and Details - Sheet 2										
MLA-TF-09	Typical Cross Sections and Access Ramp Profile										
MLA-TF-08	Liner Subgrade Plan										
MLA-TF-02	Plan Layout - Final Arrangement with Fuel Transfer Ramp	--	--	--	--	0		Issued for Construction	RW	JBK	19/05/24

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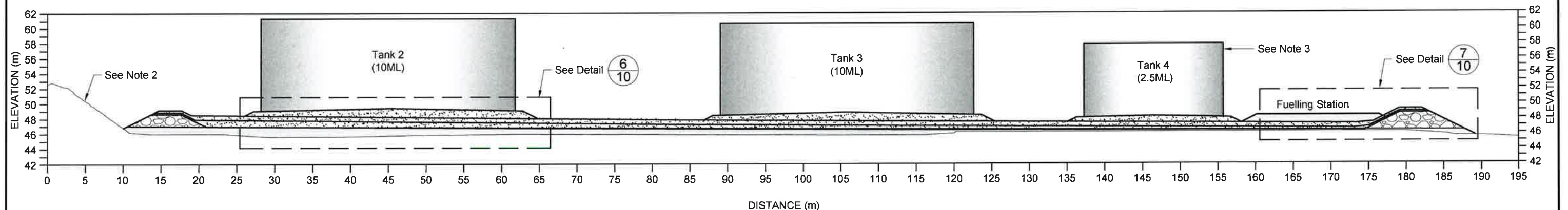
srk consulting
DESIGN: JBK
DRAWN: TH
REVIEWED: VB
CHECKED: RW
APPROVED: JBK
DATE: 2019/05/24
FILE NAME: 1CS020.017 - Final Layout.dwg

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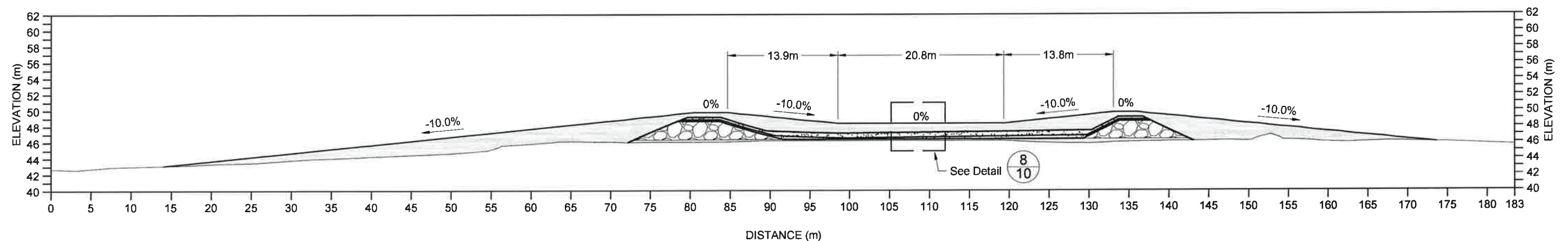
Marine Laydown Area
DRAWING TITLE:
Sections and Details - Sheet 1
DRAWING NO.: **MLA-TF-08**
SHEET: **8 OF 11**
REVISION NO.: **0**



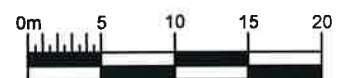
Cross Section A-A'



B **Cross Section B-B'**
02



Fuelling Transfer Access Ramp Profile

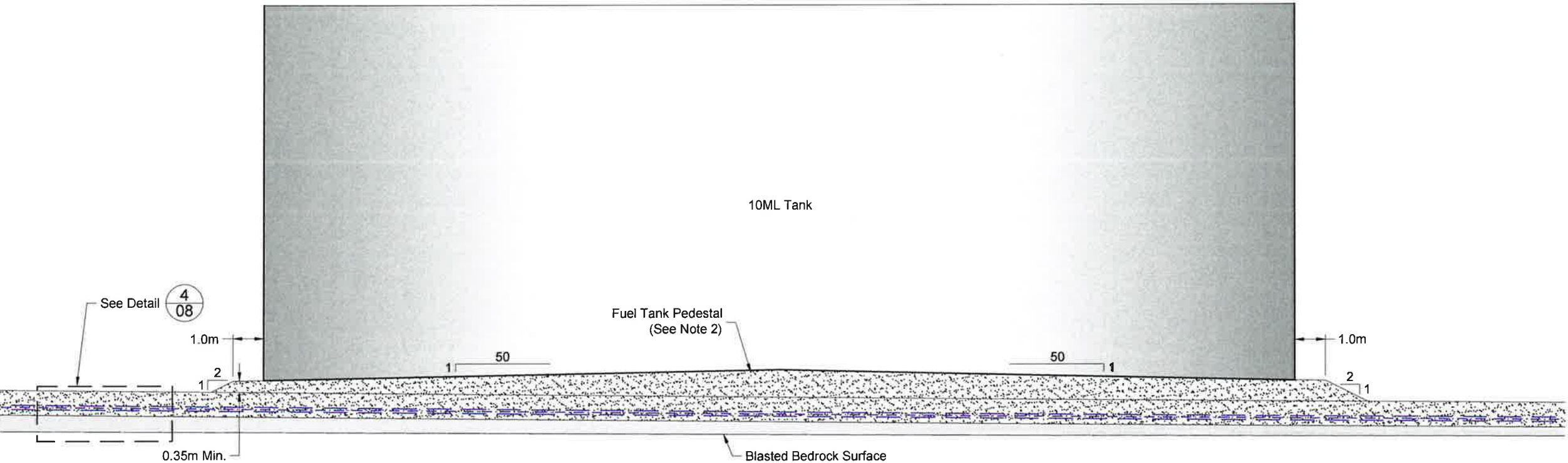
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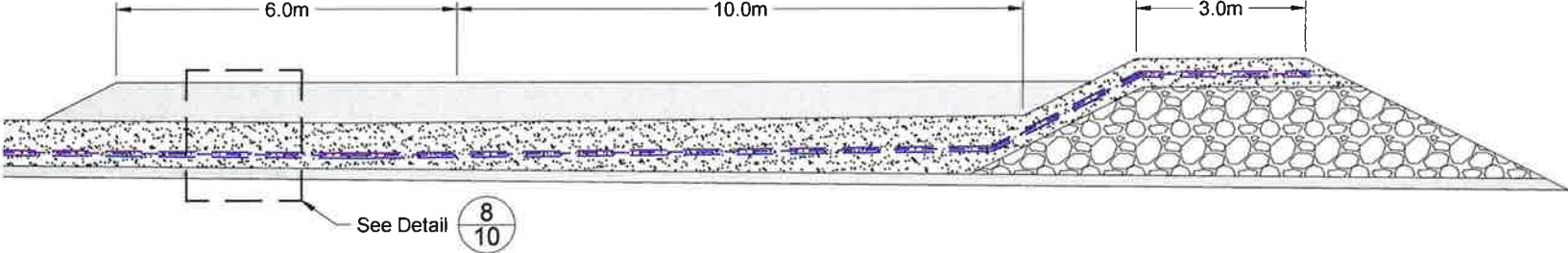
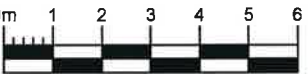
- Geotextile (non-woven)
- HDPE Liner
- Crushed Rock (above / below liner)
- Leveling Layer (transition)
- Rockfill (ROQ)

NOTES

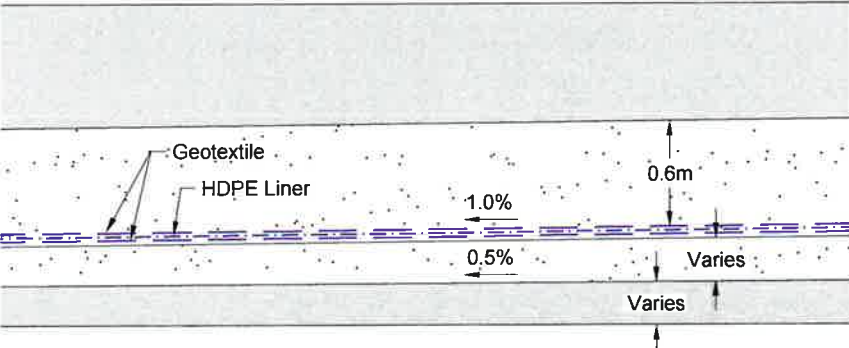
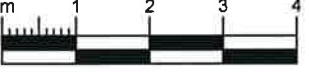
- All dimensioned are in meters unless otherwise stated.
- Pedestals must ensure the Fuel Tank is level. The Contractor is to work with the tank erection team to set the required pedestals.
- Proceeding with construction, as noted on this IFC drawing, is contingent on the Engineer conducting a physical inspection of the foundation conditions to confirm that the facility will be founded on a competent bedrock foundation as opposed to unconsolidated fill, frozen sand, or overburden. Construction may only proceed with written approval from the Engineer. All dimensioned are in meters unless otherwise stated.
- Notes on this drawing apply to all other drawings in this issue / package.



6 Typical Detail 6 - Fuel Tank Pedestal



7 Detail 7 - Fuel Transfer Station



8 Typical Detail 8 - Access Ramp



P:\01_SITES\Back River\002_Audio\02Marine Laydown Area\01CTTank Farm\Rev 01CS020.017 - Final Layout.dwg

REFERENCE DRAWINGS	REVISIONS
MLA-TF-11	Final Arrangement Survey Layout Points
MLA-TF-09	Typical Cross Sections and Access Ramp Profile
MLA-TF-08	Sections and Details - Sheet 1
MLA-TF-02	Plan Layout - Final Arrangement with Fuel Transfer Ramp
DRAWING NO.	DRAWING TITLE
NO	DESCRIPTION
CHKD	APPD
DATE	NO
DESCRIPTION	CHKD
APPD	DATE



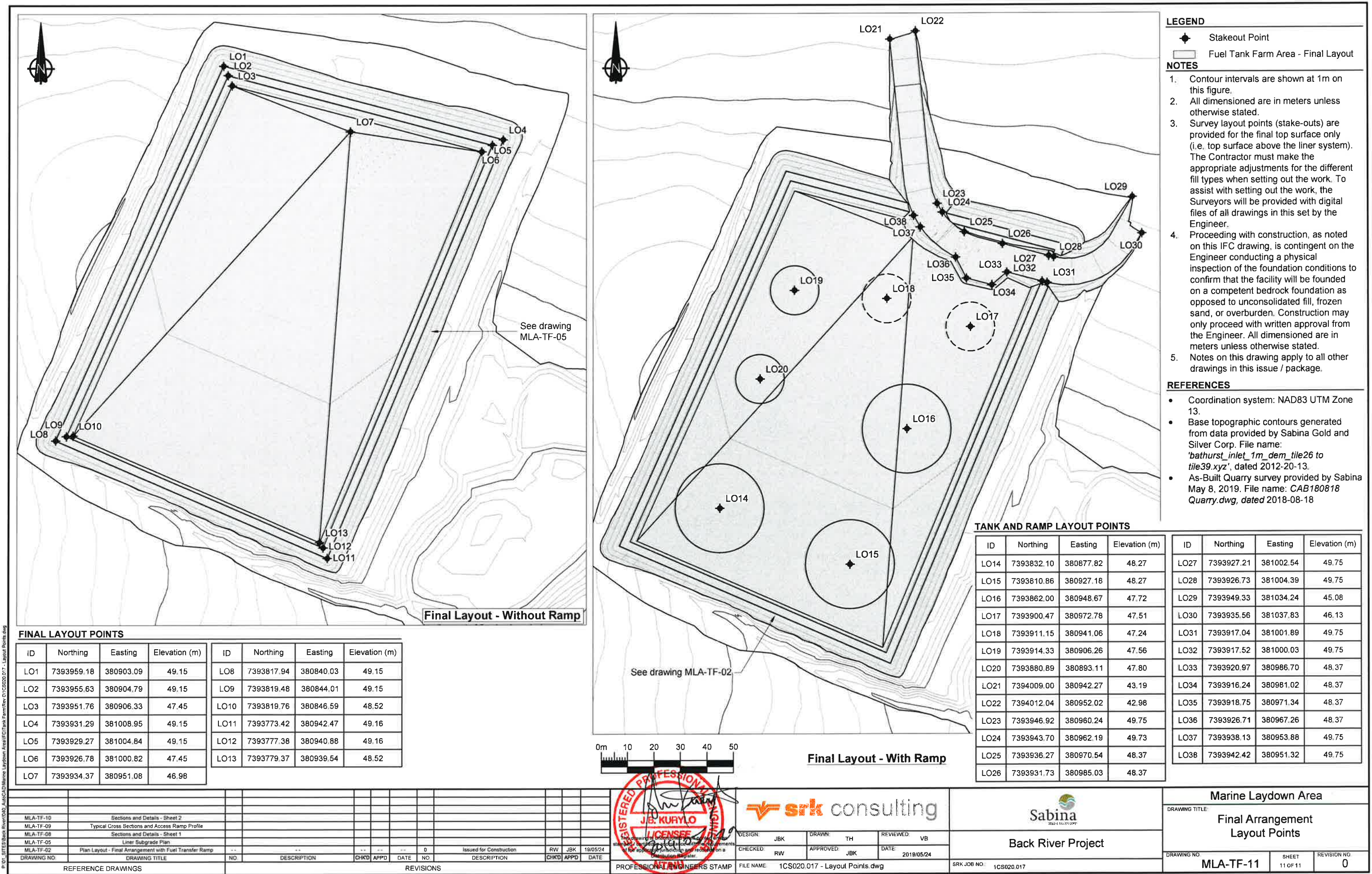
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CHECKED:	RW	APPROVED:	JBK	DATE:	2019/05/24
FILE NAME:	1CS020.017 - Final Layout.dwg				



Back River Project

SRK JOB NO: 1CS020.017

Marine Laydown Area		
DRAWING TITLE:		
Sections and Details - Sheet 2		
DRAWING NO.	SHEET	REVISION NO.
MLA-TF-10	10 OF 11	0



- LEGEND**
- ◆ Stakeout Point
 - ▭ Fuel Tank Farm Area - Final Layout
- NOTES**

1. Contour intervals are shown at 1m on this figure.
2. All dimensioned are in meters unless otherwise stated.
3. Survey layout points (stake-outs) are provided for the final top surface only (i.e. top surface above the liner system). The Contractor must make the appropriate adjustments for the different fill types when setting out the work. To assist with setting out the work, the Surveyors will be provided with digital files of all drawings in this set by the Engineer.
4. Proceeding with construction, as noted on this IFC drawing, is contingent on the Engineer conducting a physical inspection of the foundation conditions to confirm that the facility will be founded on a competent bedrock foundation as opposed to unconsolidated fill, frozen sand, or overburden. Construction may only proceed with written approval from the Engineer. All dimensioned are in meters unless otherwise stated.
5. Notes on this drawing apply to all other drawings in this issue / package.

- REFERENCES**
- Coordination system: NAD83 UTM Zone 13.
 - Base topographic contours generated from data provided by Sabina Gold and Silver Corp. File name: 'bathurst_inlet_1m_dem_tile26 to tile39.xyz', dated 2012-20-13.
 - As-Built Quarry survey provided by Sabina May 8, 2019. File name: CAB180818 Quarry.dwg, dated 2018-08-18

TANK AND RAMP LAYOUT POINTS

ID	Northing	Easting	Elevation (m)	ID	Northing	Easting	Elevation (m)
LO14	7393832.10	380877.82	48.27	LO27	7393927.21	381002.54	49.75
LO15	7393810.86	380927.18	48.27	LO28	7393926.73	381004.39	49.75
LO16	7393862.00	380948.67	47.72	LO29	7393949.33	381034.24	45.08
LO17	7393900.47	380972.78	47.51	LO30	7393935.56	381037.83	46.13
LO18	7393911.15	380941.06	47.24	LO31	7393917.04	381001.89	49.75
LO19	7393914.33	380906.26	47.56	LO32	7393917.52	381000.03	49.75
LO20	7393880.89	380893.11	47.80	LO33	7393920.97	380986.70	48.37
LO21	7394009.00	380942.27	43.19	LO34	7393916.24	380981.02	48.37
LO22	7394012.04	380952.02	42.98	LO35	7393918.75	380971.34	48.37
LO23	7393946.92	380960.24	49.75	LO36	7393926.71	380967.26	48.37
LO24	7393943.70	380962.19	49.73	LO37	7393938.13	380953.88	49.75
LO25	7393936.27	380970.54	48.37	LO38	7393942.42	380951.32	49.75
LO26	7393931.73	380985.03	48.37				

FINAL LAYOUT POINTS

ID	Northing	Easting	Elevation (m)	ID	Northing	Easting	Elevation (m)
LO1	7393959.18	380903.09	49.15	LO8	7393817.94	380840.03	49.15
LO2	7393955.63	380904.79	49.15	LO9	7393819.48	380844.01	49.15
LO3	7393951.76	380906.33	47.45	LO10	7393819.76	380846.59	48.52
LO4	7393931.29	381008.95	49.15	LO11	7393773.42	380942.47	49.16
LO5	7393929.27	381004.84	49.15	LO12	7393777.38	380940.88	49.16
LO6	7393926.78	381000.82	47.45	LO13	7393779.37	380939.54	48.52
LO7	7393934.37	380951.08	46.98				

MLA-TF-10 Sections and Details - Sheet 2

MLA-TF-09 Typical Cross Sections and Access Ramp Profile

MLA-TF-08 Sections and Details - Sheet 1

MLA-TF-05 Liner Subgrade Plan

MLA-TF-02 Plan Layout - Final Arrangement with Fuel Transfer Ramp

DRAWING NO.	DRAWING TITLE	NO.	DESCRIPTION	CHKD	APPD	DATE	NO.	DESCRIPTION	CHKD	APPD	DATE

Issued for Construction

19/05/24

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J.B. KURYLO

REGISTERED PROFESSIONAL ENGINEER

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DESIGN: JBK

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REVIEWED: VB

CHECKED: RW

APPROVED: JBK

DATE: 2019/05/24

FILE NAME: 1CS020.017 - Layout Points.dwg

SRK JOB NO: 1CS020.017

Sabina

Back River Project

Marine Laydown Area

DRAWING TITLE: Final Arrangement Layout Points

DRAWING NO: MLA-TF-11

SHEET: 11 OF 11

REVISION NO: 0