Engineering Drawings for the Underground Fuel Storage Tank, Doris North Project, Nunavut, Canada

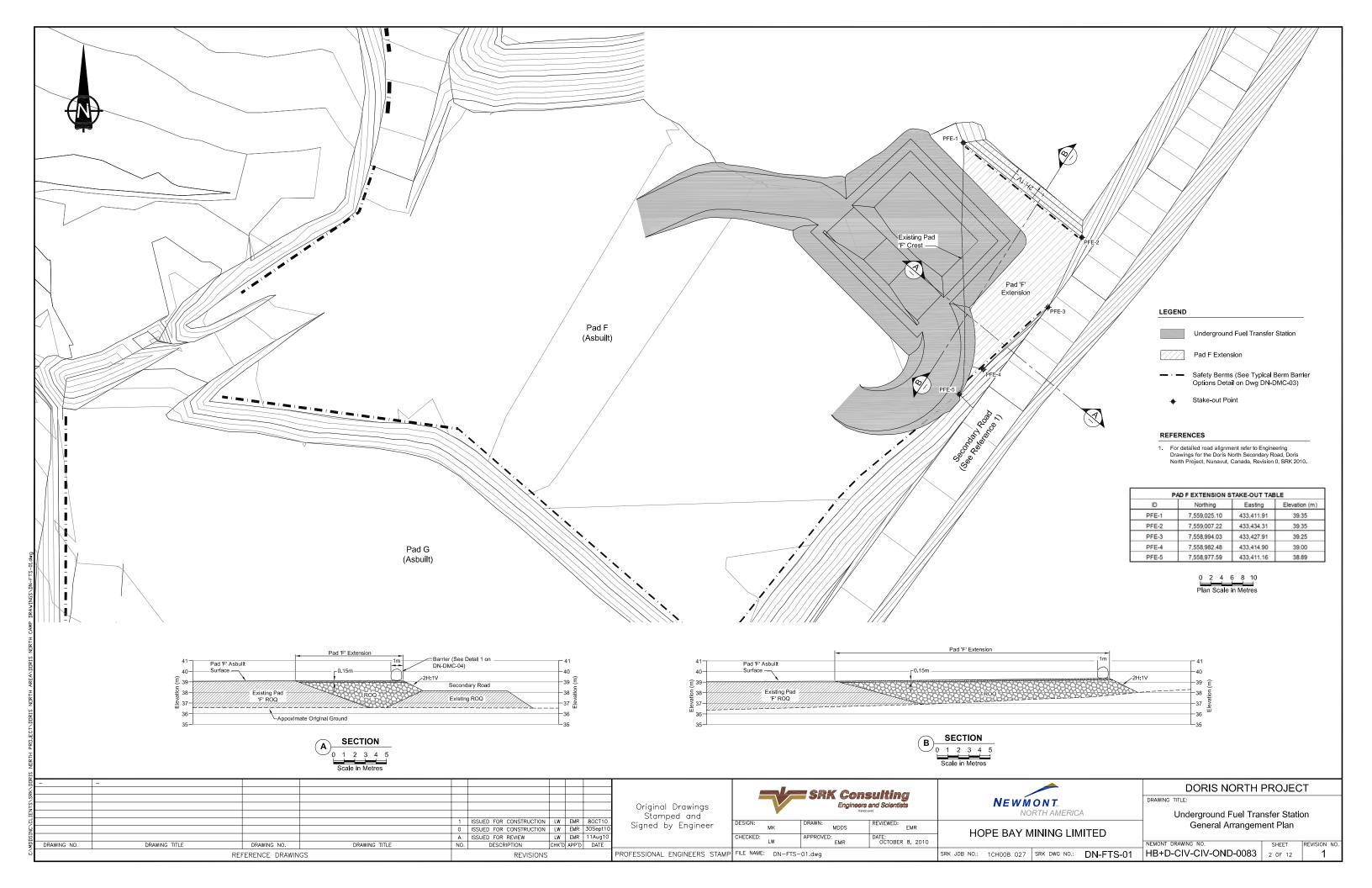
ACTIVE DRAWING STATUS

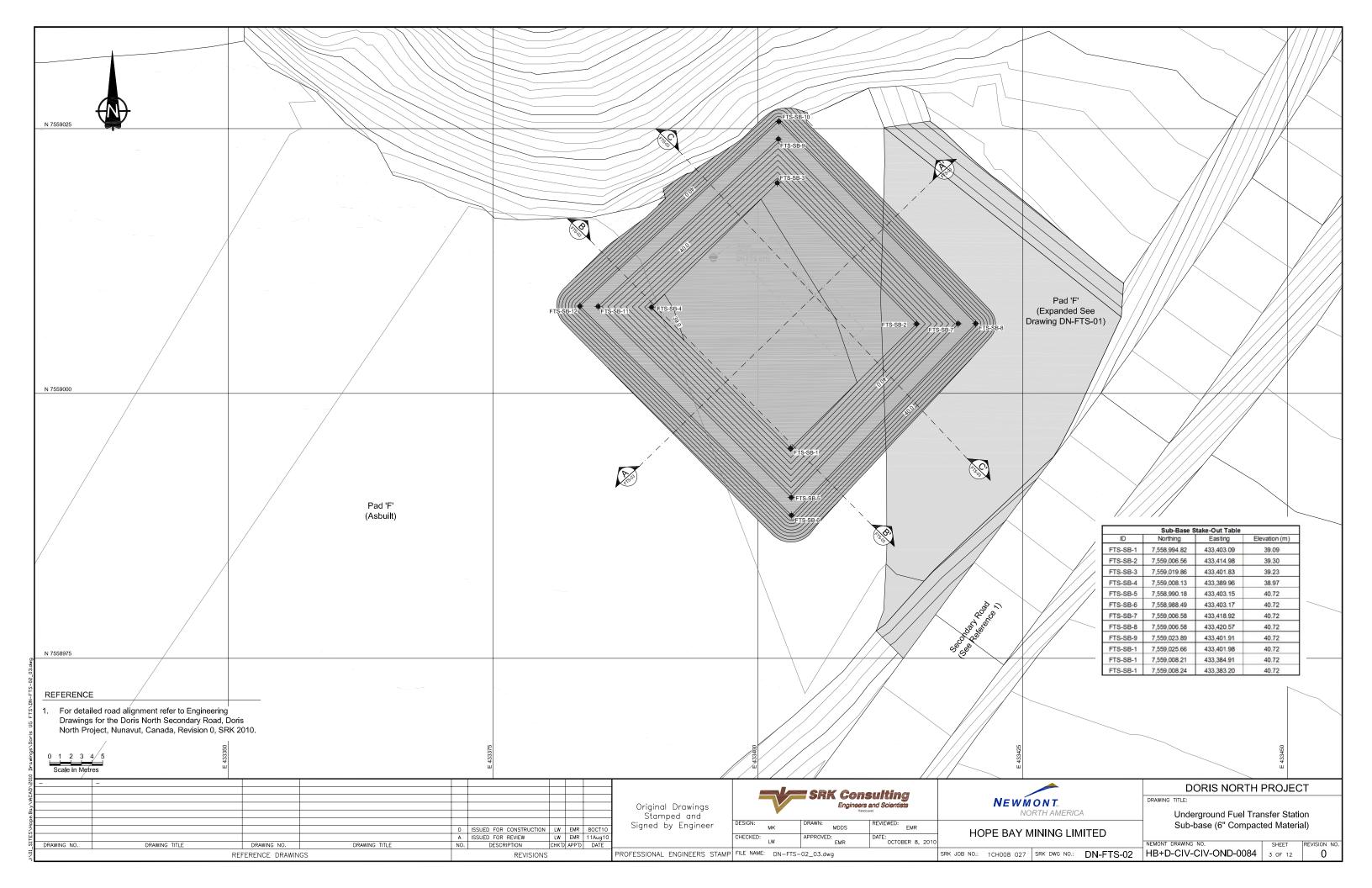
SRK DWG NUMBER	NEWMONT DWG NUMBER	DRAWING TITLE	REVISION	DATE	STATUS	OLD/REPLACE	D REVISIONS
DN-FTS-00	HB+D-CIV-CIV-OND-0090	Engineering Drawings for Underground Fuel Storage Tank	0	Oct. 8, 2010	Issued for Construction	Rev A, Aug. 11, 2010	
DN-FTS-01	HB+D-CIV-CIV-OND-0083	General Arrangement Plan	1	Oct. 8, 2010	Issued for Construction	Rev 0, Sept. 30, 2010	Rev A, Aug. 11, 2010
DN-FTS-02	HB+D-CIV-CIV-OND-0084	Sub-base (6" Compacted Material)	0	Oct. 8, 2010	Issued for Construction	Rev A, Aug. 11, 2010	
DN-FTS-03	HB+D-CIV-CIV-OND-0085	Sub-base Sections (6" Compacted Material)	0	Oct. 8, 2010	Issued for Construction	Rev A, Aug. 11, 2010	
DN-FTS-04	HB+D-CIV-CIV-OND-0086	Below Liner Surface Plan	0	Oct. 8, 2010	Issued for Construction	Rev A, Aug. 11, 2010	
DN-FTS-05	HB+D-CIV-CIV-OND-0087	Below Liner Surface Sections	0	Oct. 8, 2010	Issued for Construction	Rev A, Aug. 11, 2010	
DN-FTS-06	HB+D-CIV-CIV-OND-0114	Over Liner Surface Plan	0	Oct. 8, 2010	Issued for Construction		
DN-FTS-07	HB+D-CIV-CIV-OND-0115	Over Liner Surface Sections	0	Oct. 8, 2010	Issued for Construction		
DN-FTS-08	HB+D-CIV-CIV-OND-0116	Final Surface Layout Plan	0	Oct. 8, 2010	Issued for Construction		
DN-FTS-09	HB+D-CIV-CIV-OND-0117	Final Surface Layout Sections	0	Oct. 8, 2010	Issued for Construction		
DN-FTS-010	HB+D-CIV-CIV-OND-0118	Sump Details	0	Oct. 8, 2010	Issued for Construction		
DN-FTS-011	HB+D-CIV-CIV-OND-0119	Material Specifications	0	Oct. 8, 2010	Issued for Construction		

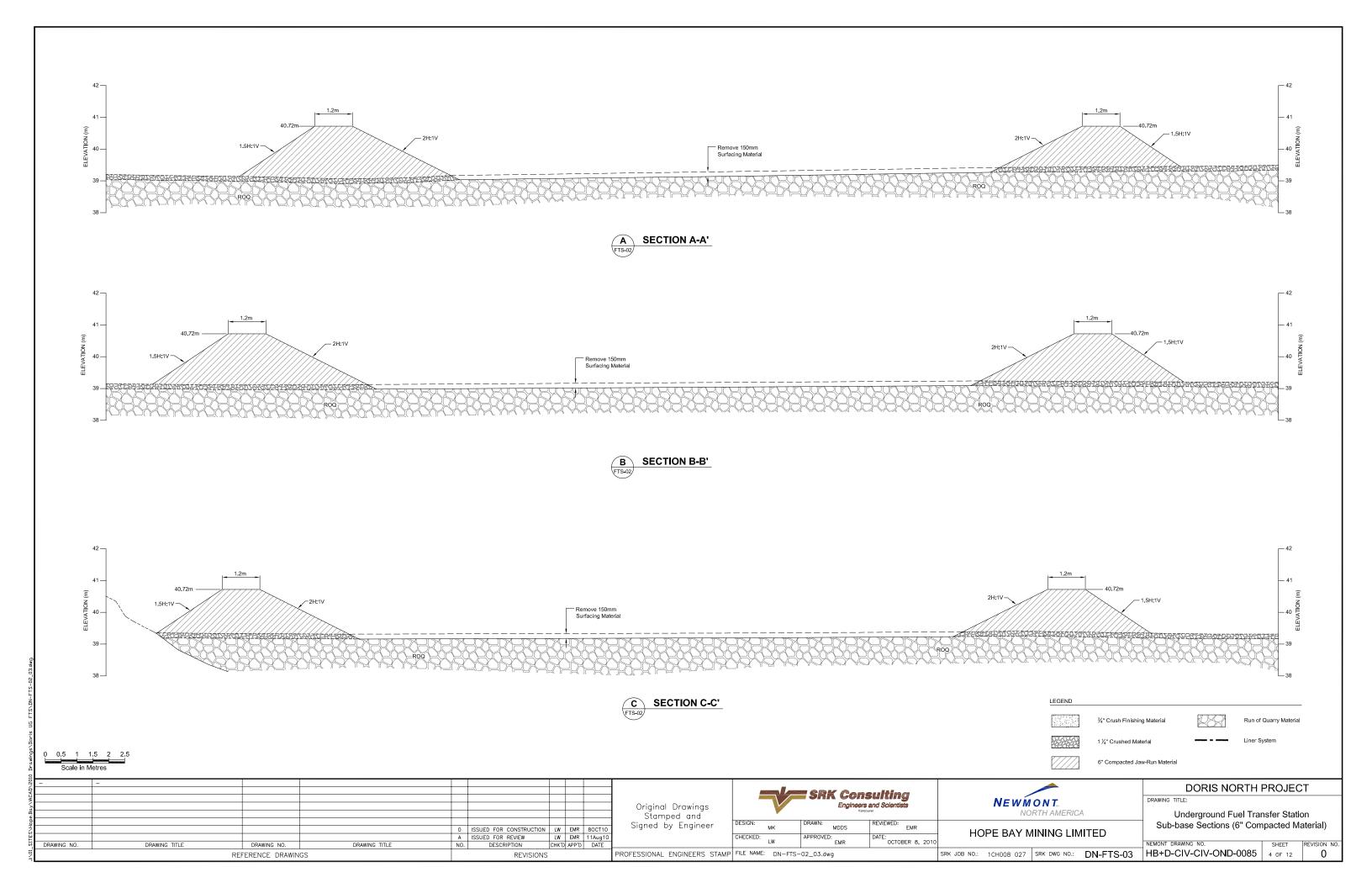
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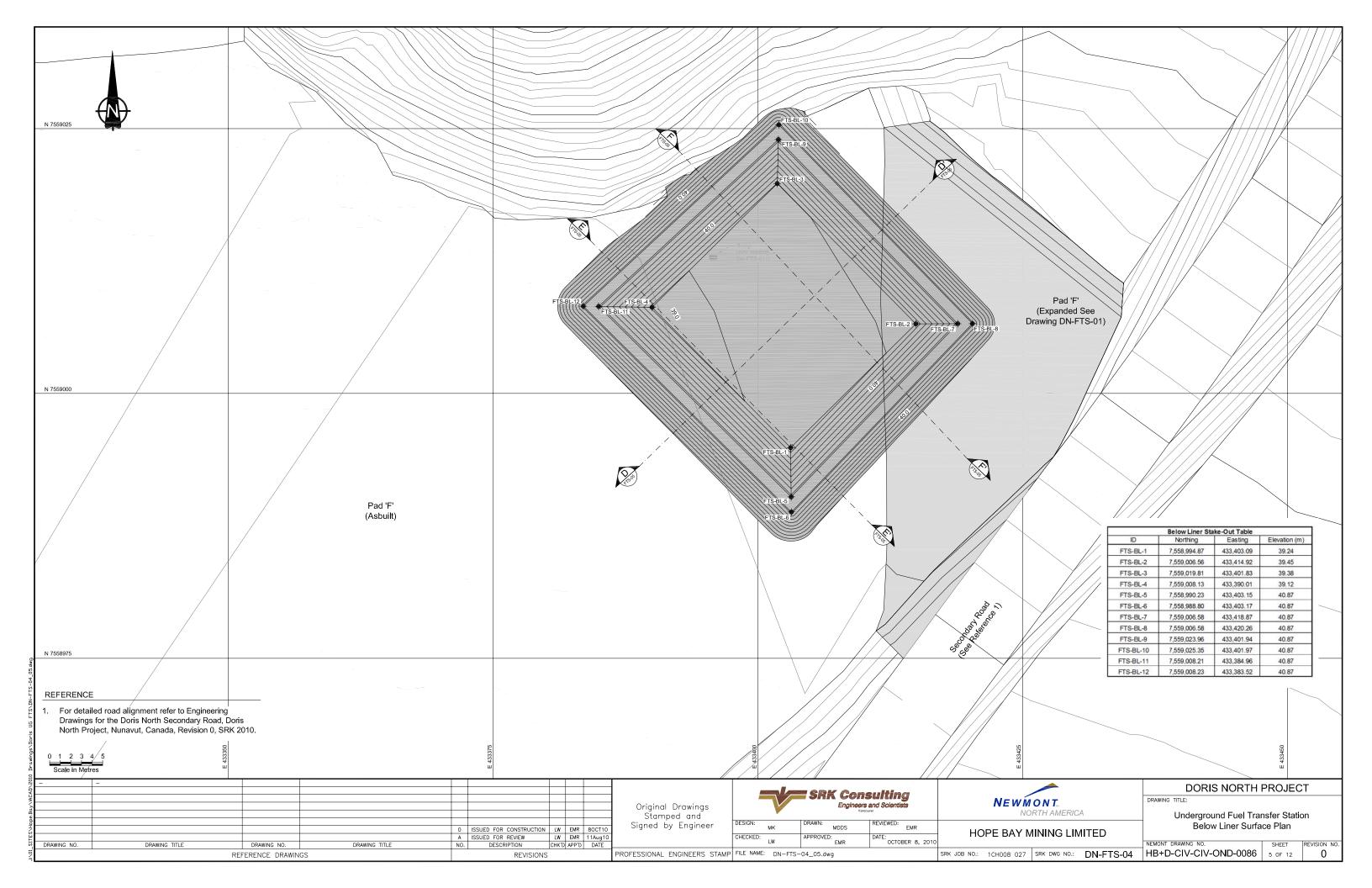


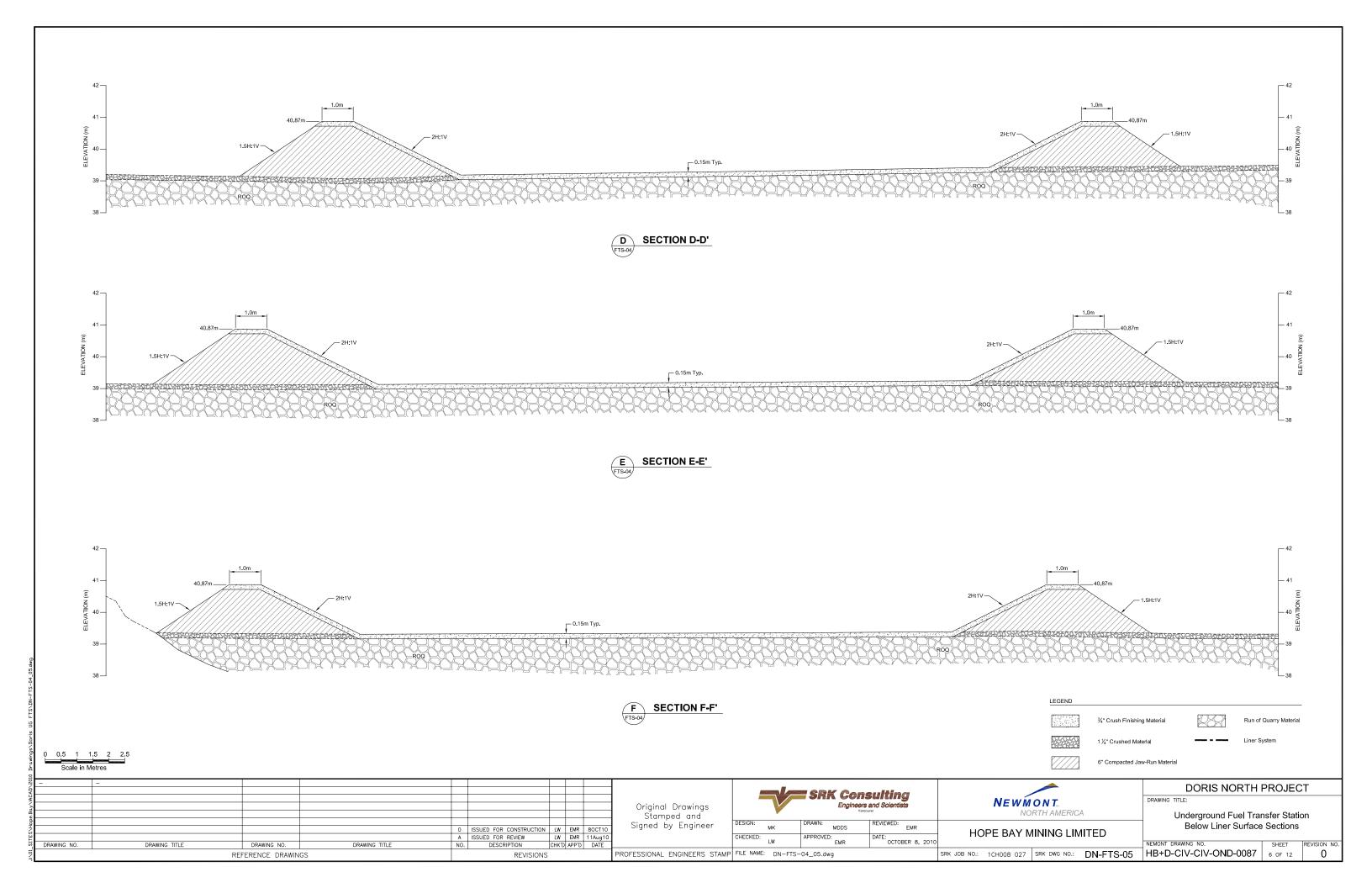
PROJECT NO: 1CH008.027 ISSUED FOR REVIEW Revision 0 October 8, 2010 DN-FTS-00 / HB+D-CIV-CIV-OND-0090

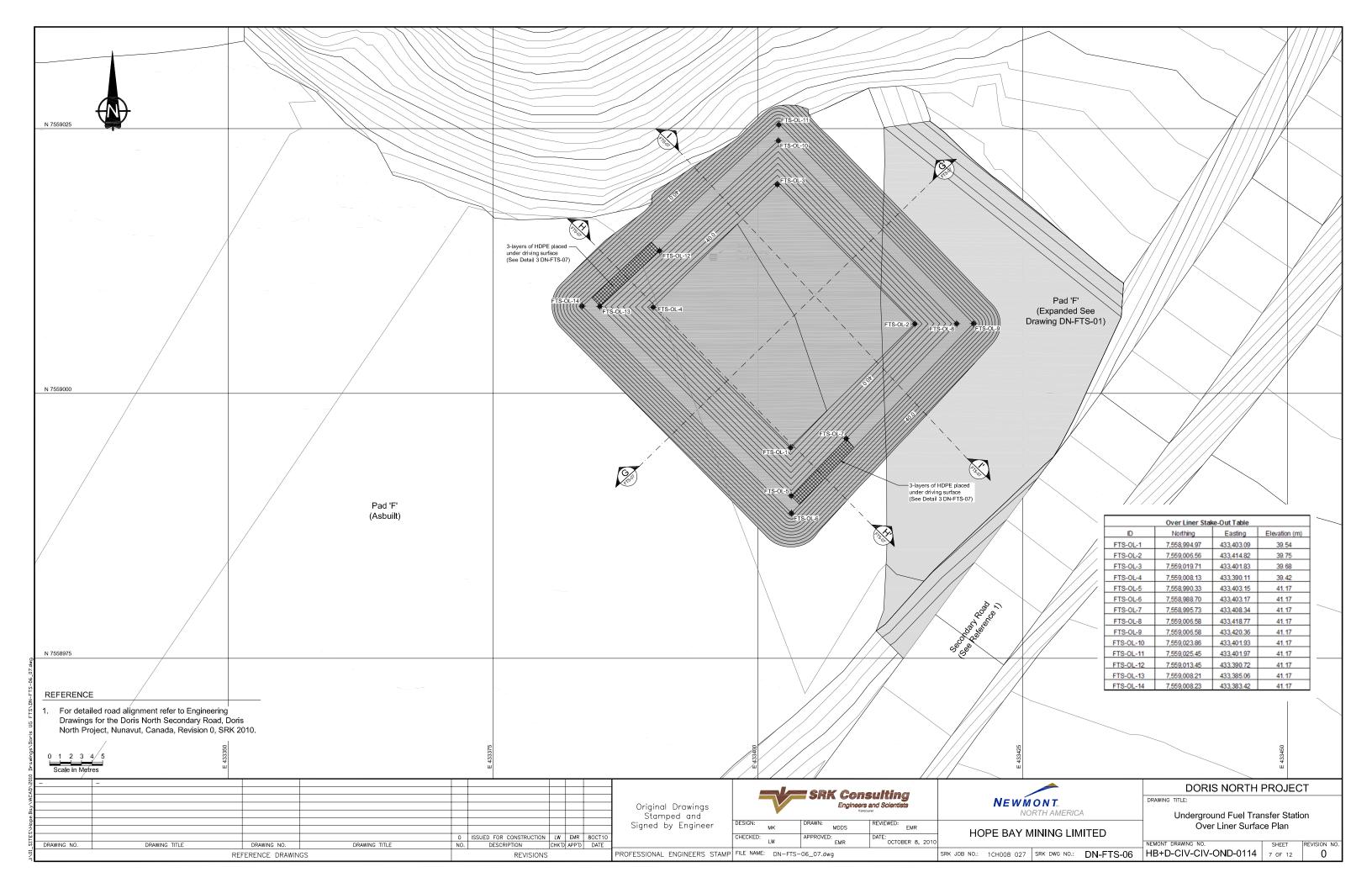


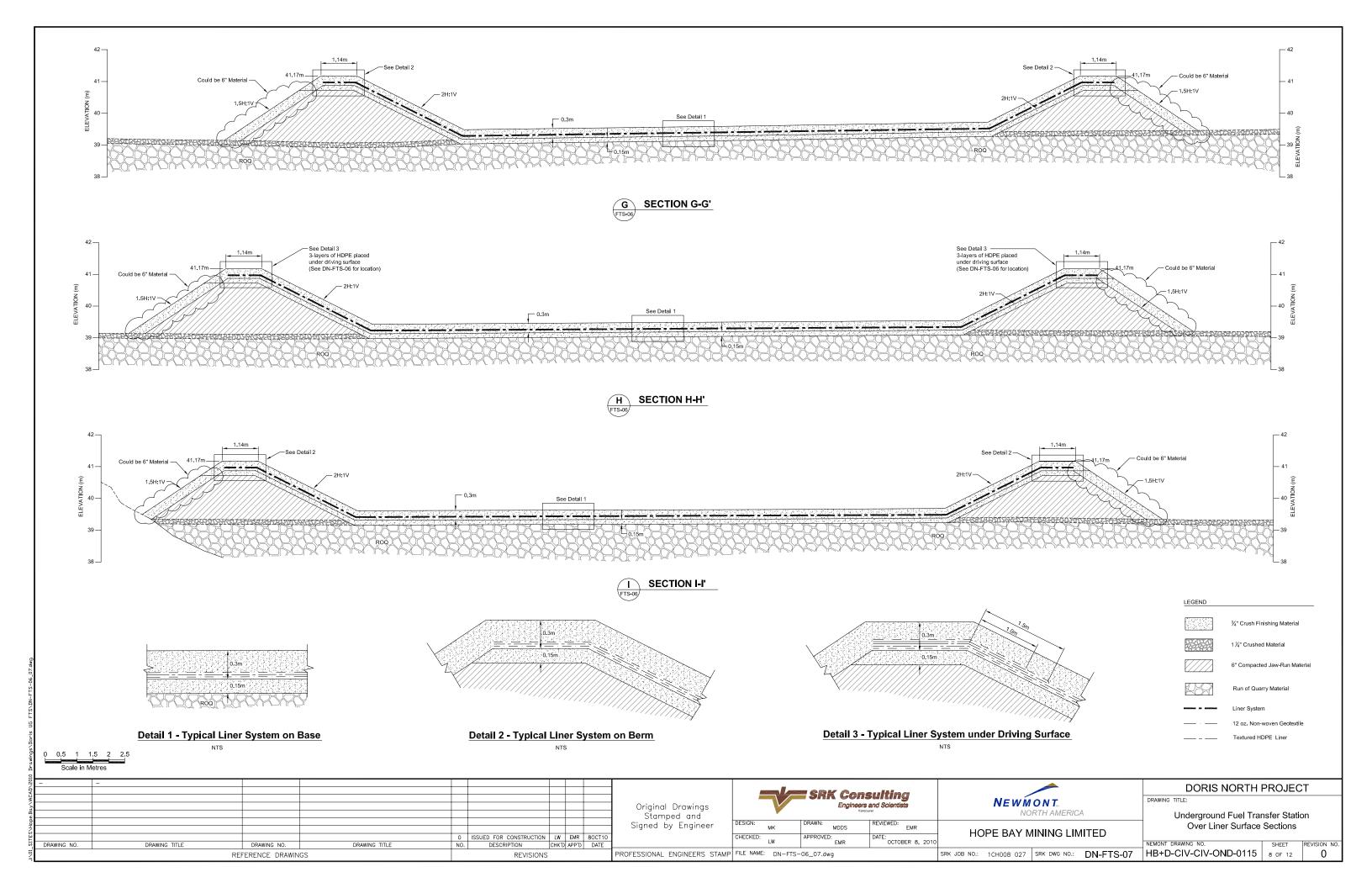


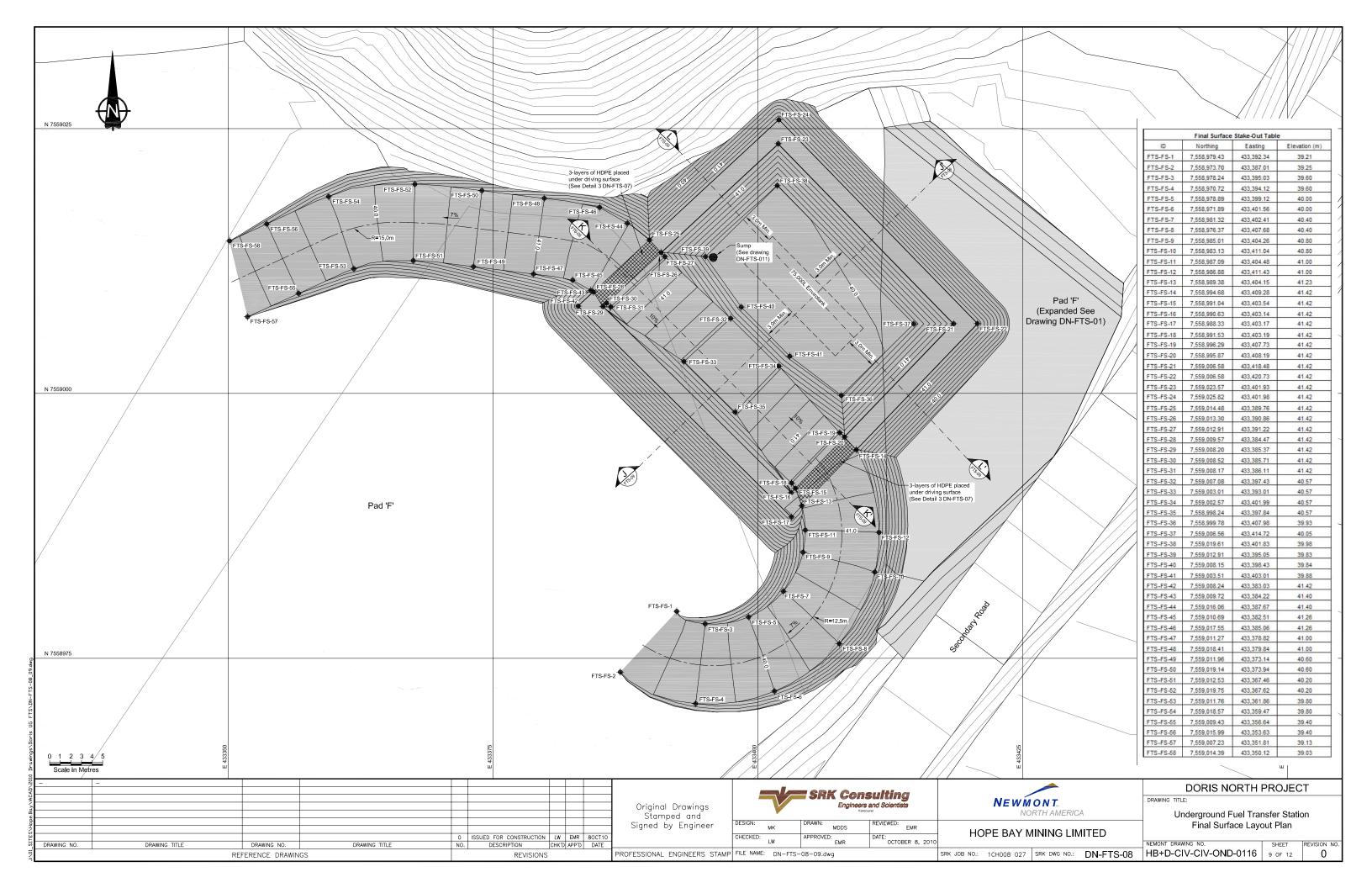


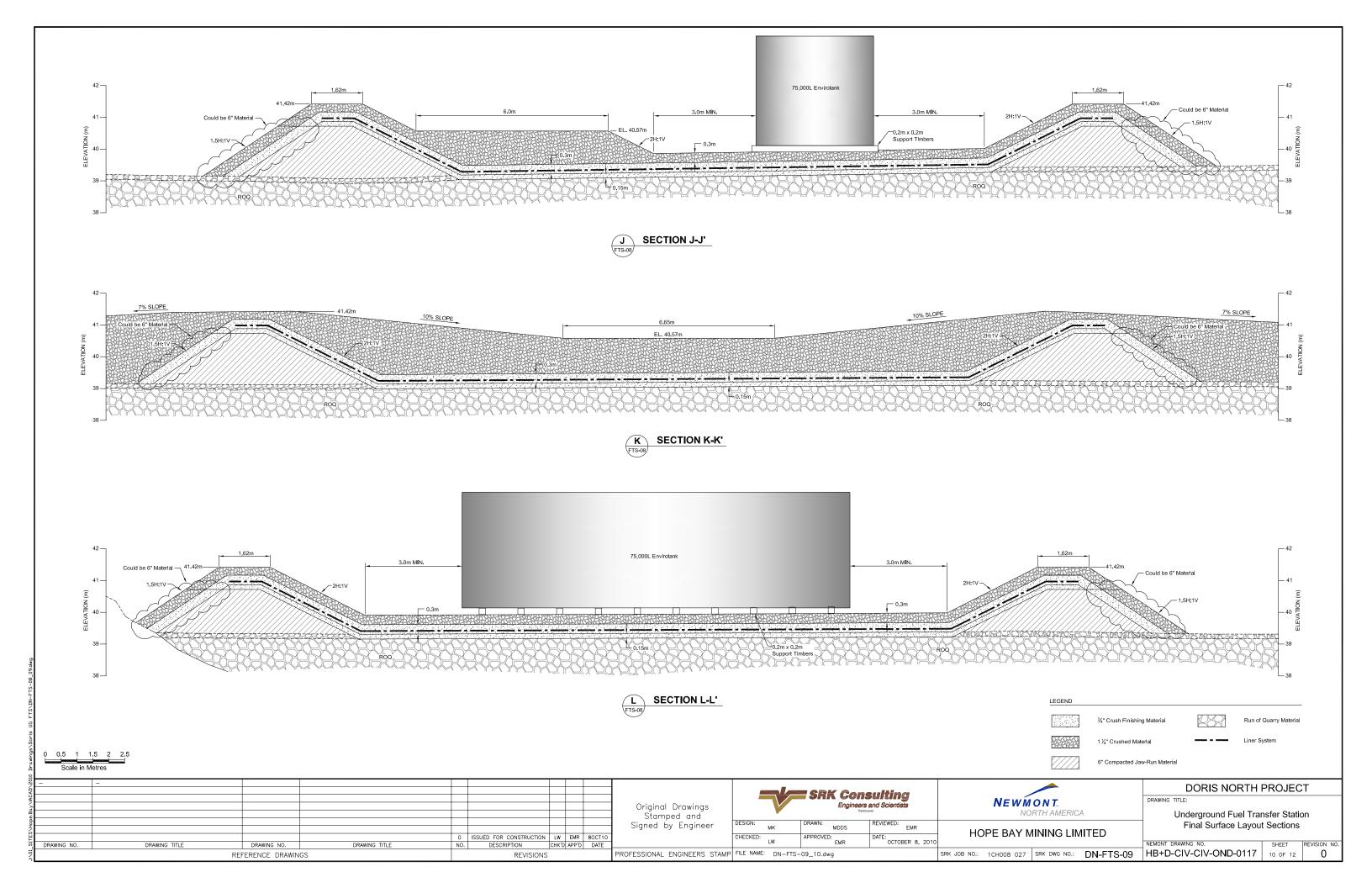


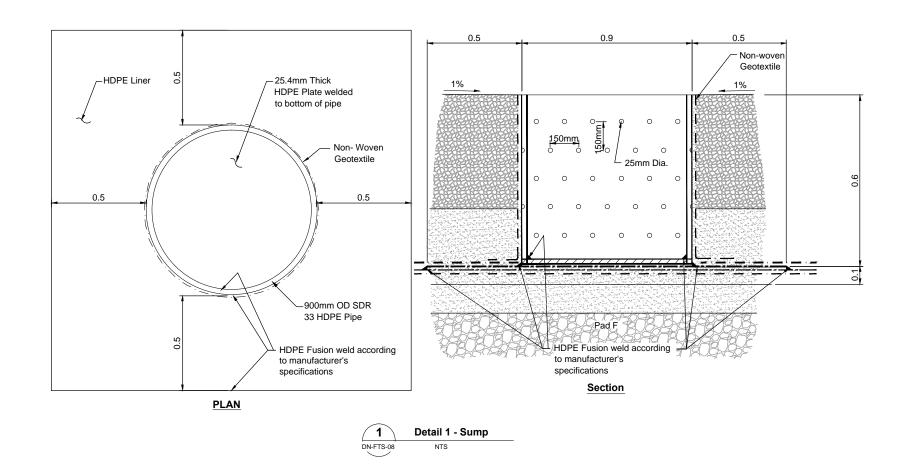














3/4" Crush Material



1-1/4" Crush Material

Run of Quarry Material

----- HDPE Liner

— — — Non-Woven Geotextile

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DORIS NORTH PROJECT DRAWING TITLE:

> Underground Fuel Transfer Station Sump Detail

NEMONT DRAWING NO. SRK JOB NO.: 1CHOOB 027 SRK DWG NO.: DN-FTS-010 HB+D-CIV-CIV-OND-0118

NOTES

- Soil classification for these works are based on the Unified Soil Classification
- 2. On bare tundra surfaces the maximum snow thickness allowed prior to fill placement shall be 102mm (4"). On all other surfaces complete snow removal is required. The Engineer must approve all surfaces prior to placement of any construction material.
- 3. Snow and ice on construction material must be removed prior to loading for construction use
- Due care must be taken when placing fill materials such that no damage occurs to the subgrade and/or culverts. Any damage must be immediately reported to the Engineer.
- 5. Maximum lift thickness is 1.85m. Staged construction will be required where fill thickness exceeds 1.85m.
- In areas where staged construction is required, all snow shall be removed and the surface scarified prior to placing the next lift. The Engineer will approve such staged construction.
- Run of Quarry, and Surfacing material has to be compacted after placement.
- Compaction will be a field specification, based on trial compaction tests to be carried out by the Contractor to the satisfaction of the Engineer.
- It is the Contractor's responsibility to create the construction materials as specified through appropriate crushing. Any deviations must be approved by the Engineer
- Construction fill material shall be from approved rock quarries, shall be non-acid generating, free of organic material or similar impurities, as well as snow and ice.
- 11. Construction fill material must be free of overburden soils. Such unsuitable material shall be disposed of in a designated on site disposal area as outlined in the Contractors' quarry development plan.
- 12. Construction fill material will not have to be washed to remove blast residues or fines, unless specifically instructed by the Engineer.
- 13. Run of Quarry (ROQ) shall be well-graded, containing sufficient quantities of gravel, sand, and silt sized material. For fill thickness <0.85m the maximum boulder size shall not exceed 500mm. For fill thickness >0.85m the maximum boulder size shall not exceed 900mm.
- Surfacing material shall be a well-graded manufactured crush product produced from ROQ material. The screen size shall be no greater than 51mm (2") but no smaller than 32mm $(1\frac{1}{4}$ ").
- ³/₄ Finishing material shall be well graded manufactured crush product produced from ROQ material. The screen size shall be no greater than 32mm $(1\frac{1}{4}")$ but no smaller than 19mm $(\frac{3}{4}")$
- 16. ROQ material shall be visually inspected by the Engineer on a routine basis and the Contractor will be advised if the material does not meet the specification in Note 17.
- 17. The Contractor shall collect samples of the surfacing material directly from the crusher stockpile and submit for laboratory testing including but not limited to grain size distribution, and moisture content at least 1 sample every 8,000m³. The Engineer may conduct additional sampling and testing as deemed necessary.
- Sample collection and testing of ROQ, and surface material for geochemical suitability is required and will be carried out by the Site Environmental Manager in accordance with procedures developed by SRK.

Materials List and Quantities (Pad 'F' Extension)

Item	Quantity / Area / Volume		Description
ROQ	Pad 'F' Extension	1,400 m³	Volumes derived by Eagle Point 7.2.
Surfacing Material (11/4" Crush)	Pad 'F' Extension	100 m³	- Side slopes 2H:1V Unless otherwise noted

Materials List and Quantities (Underground Fuel Transfer Station)

Item	Quantity / Area / Volume	Description			
6" Compacted Jaw Run Material	Berm Walls	575 m³	Volumes derived by Eagle Point 7.2 Side slopes 2H:1V Unless otherwise noted		
Finishing Material	OverLiner	350 m³			
(¾" Crush)	UnderLiner	120 m³			
Surfacing Material (1¼" Crush)	Final Surface	1260 m³			
Geotextile (2 Layers)	Geotextile OverLiner	750 m²	12oz. Non Woven		
	Geotextile UnderLiner	750 m²			
	Sump	5 m²			
Liner	Geomembrane Liner 1 Base	750 m²	Textured HDPE 60 or Equivalent		
	Geomembrane Liner 2 Under Driving Surface	25 m²			
	Geomembrane Liner 3 Under Driving Surface	17 m²			
	Sump	5 m²			

0 ISSUED FOR CONSTRUCTION LW EMR 80CT1 DRAWING NO. DRAWING TITLE DRAWING NO. DRAWING TITLE DESCRIPTION PROFESSIONAL ENGINEERS STAMP FILE NAME: DN-FTS-11.dwg REFERENCE DRAWINGS REVISIONS

Original Drawings Stamped and Signed by Engineer





HOPE BAY MINING LIMITED

Underground Fuel Transfer Station

Material Specifications

NEMONT DRAWING NO. SRK JOB NO.: 1CH008 027 | SRK DWG NO.: DN-FTS-011 | HB+D-CIV-CIV-OND-0119 | 12 OF 12 0

DORIS NORTH PROJECT