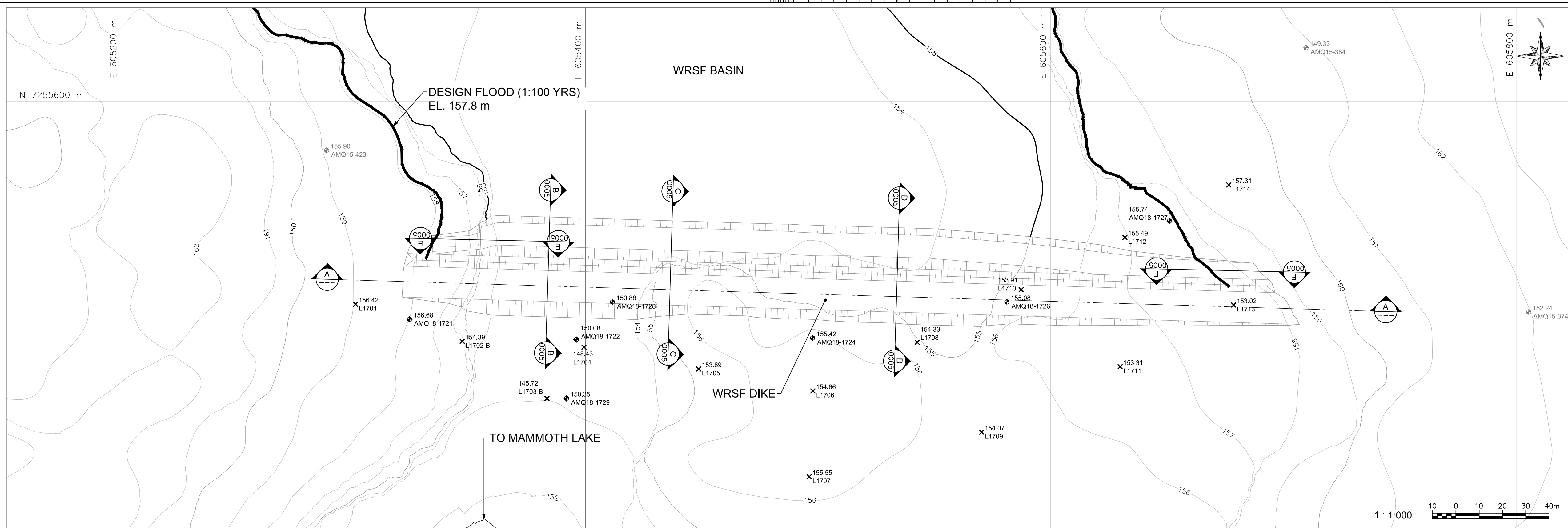




NOTES:

1. THIS DRAWING ILLUSTRATES THE PLAN OF THE WRSF ★ DIKE WITH AVAILABLE MINE EXPLORATION HOLE LOCATIONS.
2. ALL ELEVATIONS AND COORDINATES ARE IN METERS.
3. SECTION A-A ILLUSTRATES THE TOPOGRAPHY AND STRATIGRAPHY ALONG THE CENTERLINE OF THE WRSF DIKE.
4. THE WORKS SHOWN ON THIS DRAWING SHALL BE EXECUTED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS.

LEGEND

- | | | |
|---|----------------------|---|
| ◆ | 150.88
AMQ15-384 | BOREHOLE CLOSE TO WRSF DIKE WITH
APPROXIMATE BEDROCK EL.
(SNC-LAVALIN, 2017e) |
| ◆ | 156.68
AMQ18-1721 | BOREHOLE FROM THE 2018 GEOTECHNICAL
INVESTIGATION |
| × | 156.42
L1701 | 2018 AIR TRACK DRILL HOLE
(DESTRUCTIVE) |

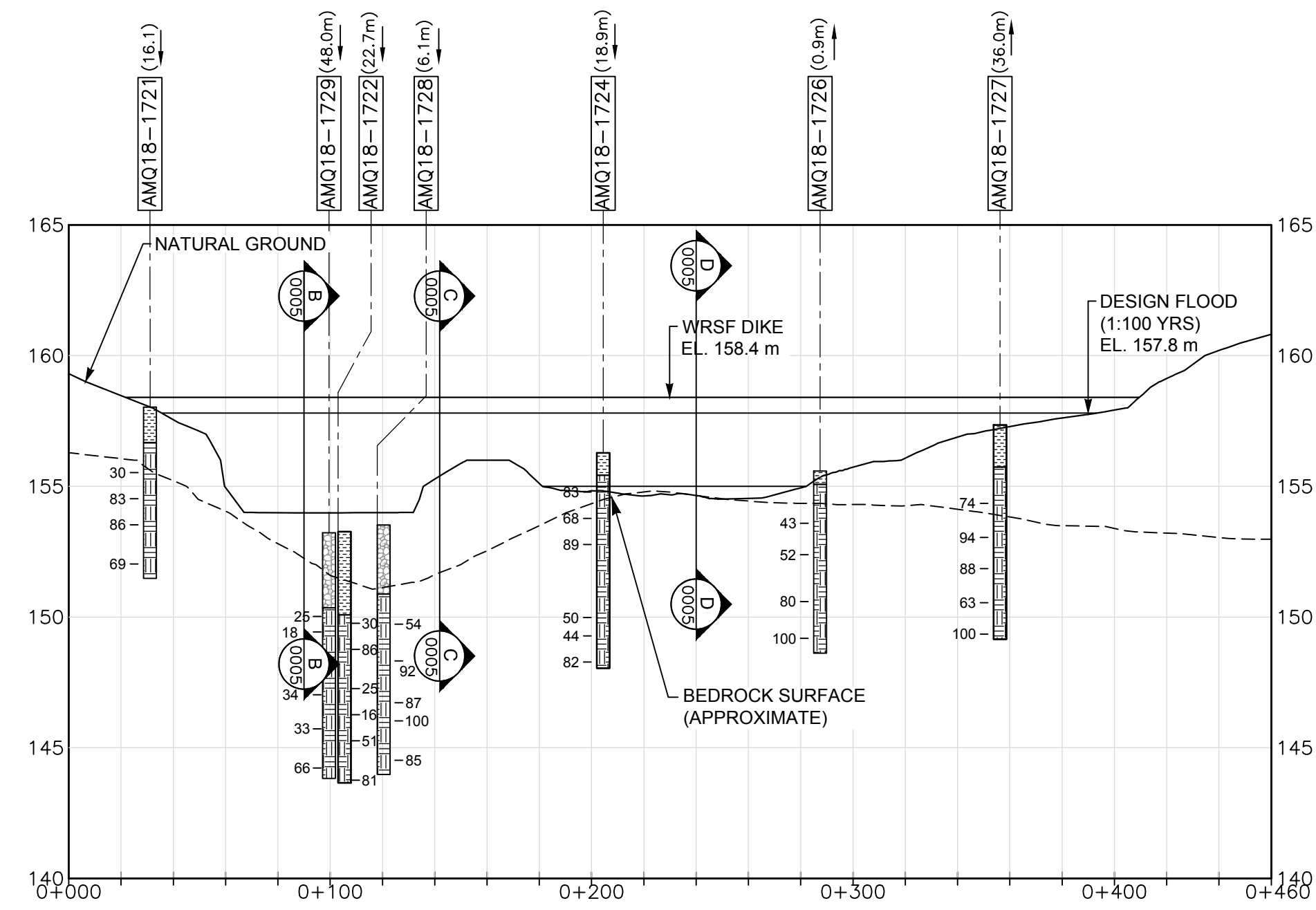
The diagram shows a vertical soil profile with the following layers and labels from top to bottom:

- DISTANCE FROM $\odot$ (↓ DOWNSTREAM)**: Indicated by a horizontal line pointing to the top of the profile.
- NAME**: Indicated by a horizontal line pointing to the top of the profile.
- COBBLES & BOULDERS**: Indicated by a horizontal line pointing to a layer of large, irregular shapes.
- TILL**: Indicated by a horizontal line pointing to a layer of small, irregular shapes.
- BEDROCK**: Indicated by a horizontal line pointing to a layer of horizontal lines.
- 60**: Indicated by a horizontal line pointing to a layer of horizontal lines.
- ROCK QUALITY DESIGNATION (RQD)**: Indicated by a horizontal line pointing to the bottom of the profile.

* WRSF = WASTE ROCK STORAGE FACILITY

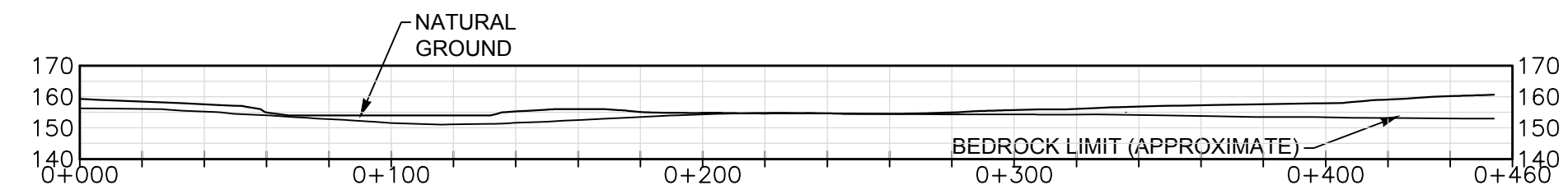
WRSF PLAN VIEW

SCALE: 1:1000



SECTION A-A - WRSF PROFILE

SCALE: H = 1:2000
V = 1:200

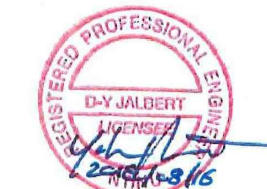
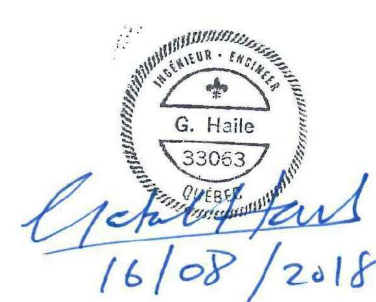


SECTION A-A - STRATIGRAPHIC SECTION

SCALE: 1:2000

D4	01	2018-08-10	ISSUED FOR CONSTRUCTION																		
O3	00	2018-08-03	ISSUED FOR CONSTRUCTION																		
O2	PB	2018-07-23	ISSUED FOR CLIENT COMMENTS																		
O1	PA	2018-07-19	ISSUED FOR INTERNAL COMMENTS	1	01	2018-08-10	MODIFIED WRSF ALIGNMENT														
ISSUE No	REV.	DATE (Y/M/D)	PURPOSE OF ISSUE	ISSUE No	REV.	DATE (Y/M/D)	PURPOSE OF ISSUE	No	REVISION DESCRIPTION						DATE (Y/M/D)	*	**	No			
								INITIALS: * DESIGNED ** APPROVED													
ISSUE REGISTER				ISSUE REGISTER				REVISION REGISTER									REFERENCE DRAWINGS				

PROFESSIONAL SEAL



 **SNC • LAVALIN**
Mining & Metallurgy
5500, des Galeries Blvd., bur. 200, Quebec (Quebec), Canada G2K 2E2
Telephone: (418) 621-5500, Fax: (418) 621-8887

PREPARATION

DESIGNED
G. HAILE, P. ENG

DRAWN
D. J. LAM

D. LAN
CHECKED

Y. JALBERT, P. ENG.

DATE 0010 00 10

2018-08-10
SCALE

AS SHOWN

CLIENT

**AGNICO EAGLE**

PROJECT	
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AGNICO EAGLE - MEADOWBANK DIVISION WHALE TAIL PROJECT

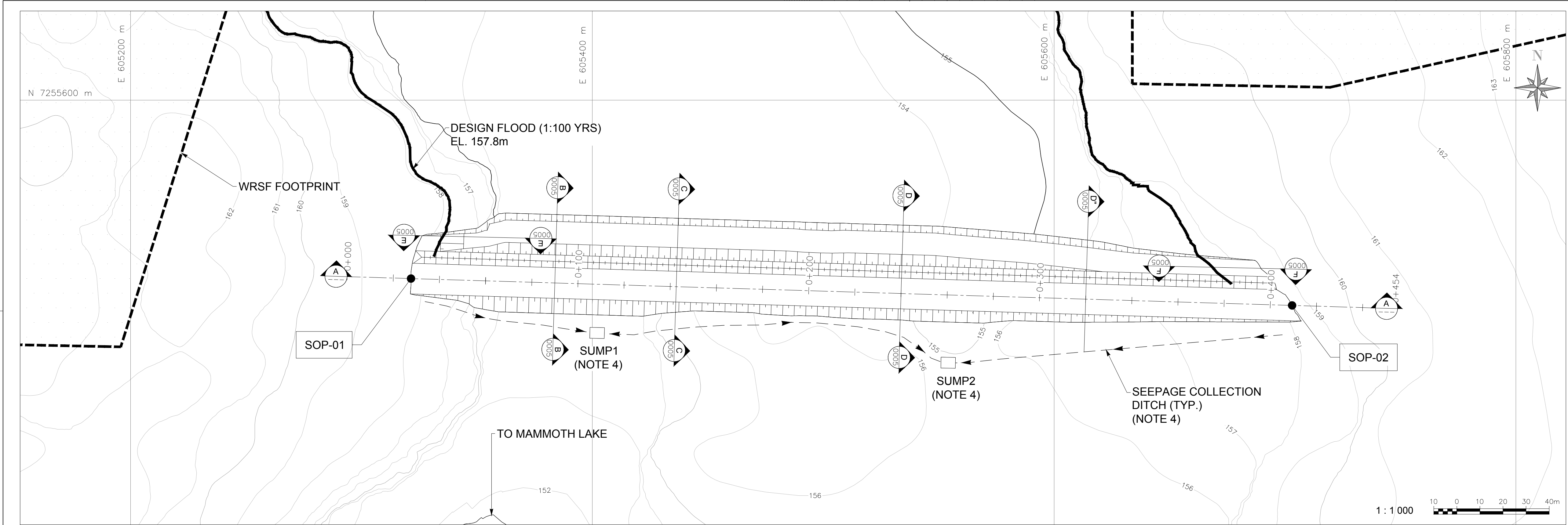
TITLE

WRSF DIKE
PLAN VIEW WITH FIELD INVESTIGATION
LOCATIONS AND STRATIGRAPHIC SECTION

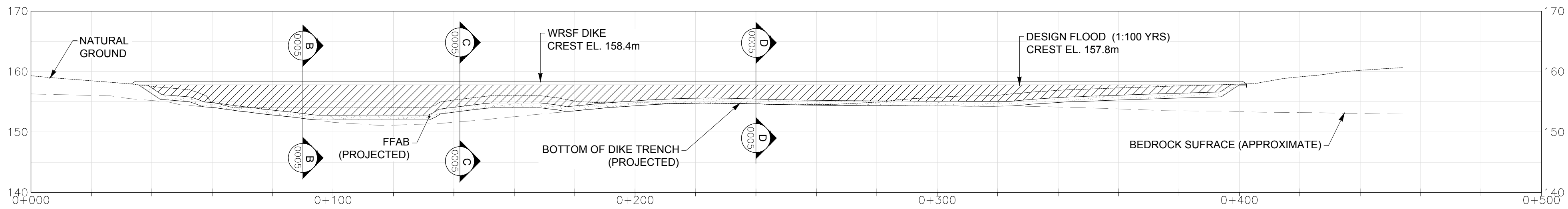
PROJECT No	SUBDIVISION	SUBJECT	SERIAL	REV.
651298	6000	4G DD	0003	01

A1-HOR-FRAME-EN (SI)

LAST SAVE: 2018/08/16 - 11:30am
PATH: T:\proj\651298\WRSF\Final\651298-6000-4GDD-0004-01.dwg



WRSF PLAN VIEW
SCALE: 1:1000



SECTION A-A - WRSF PROFILE
SCALE: H = 1:1000
V = 1:500

NOTES:

- THIS DRAWING ILLUSTRATES THE PLAN OF THE WRSF* DIKE WITH AVAILABLE MINE EXPLORATION HOLE LOCATIONS.
- ALL ELEVATIONS AND COORDINATES ARE IN METERS.
- THE WORKS SHOWN ON THIS DRAWING SHALL BE EXECUTED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS.
- THE SEEPAGE COLLECTION DITCH/SUMP SYSTEM WILL BE ADJUSTED DEPENDING ON THE GROUND CONDITION AT THE TIME OF INSTALLATION.

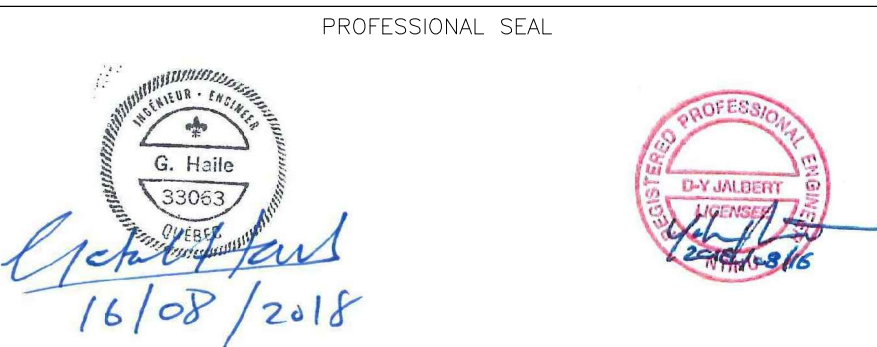
SETTING OUT POINTS		
NAME	EASTING	NORTHING
SOP-01	605 321.5	7 255 522.7
SOP-02	605 703.1	7 255 511.0

LEGEND

- SOP-01 SETTING OUT POINTS
- FFAB FINE FILTER AMENDED WITH BENTONITE

*WRSF - WASTE ROCK STORAGE FSCILITY

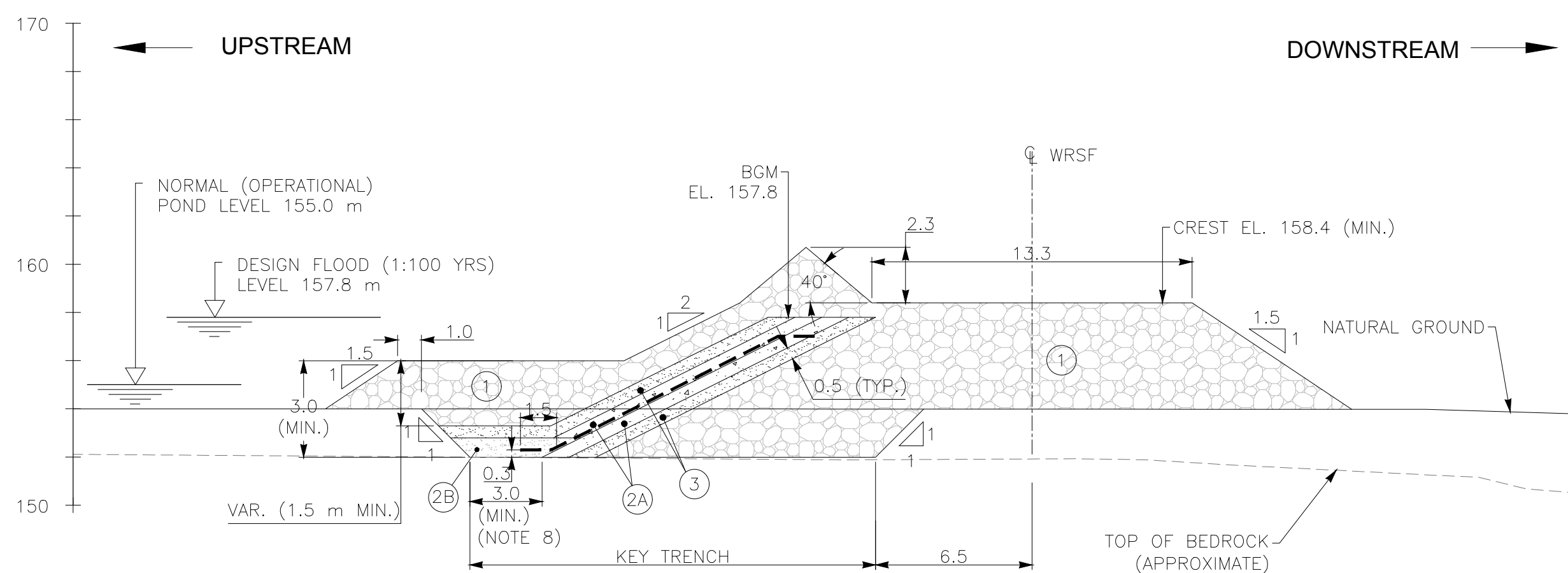
ISSUE REGISTER				ISSUE REGISTER				REVISION REGISTER				REFERENCE DRAWINGS			
ISSUE No	REV.	DATE (Y/M/D)	PURPOSE OF ISSUE	ISSUE No	REV.	DATE (Y/M/D)	PURPOSE OF ISSUE	No	REVISION DESCRIPTION	DATE (Y/M/D)	*	**	No	REVISION DESCRIPTION	DATE (Y/M/D)
04	01	2018-08-10	ISSUED FOR CONSTRUCTION												
03	00	2018-08-03	ISSUED FOR CONSTRUCTION												
02	PB	2018-07-23	ISSUED FOR CLIENT COMMENTS												
01	PA	2018-07-19	ISSUED FOR INTERNAL COMMENTS	1	01	2018-08-10	MODIFIED WRSF ALIGNMENT								



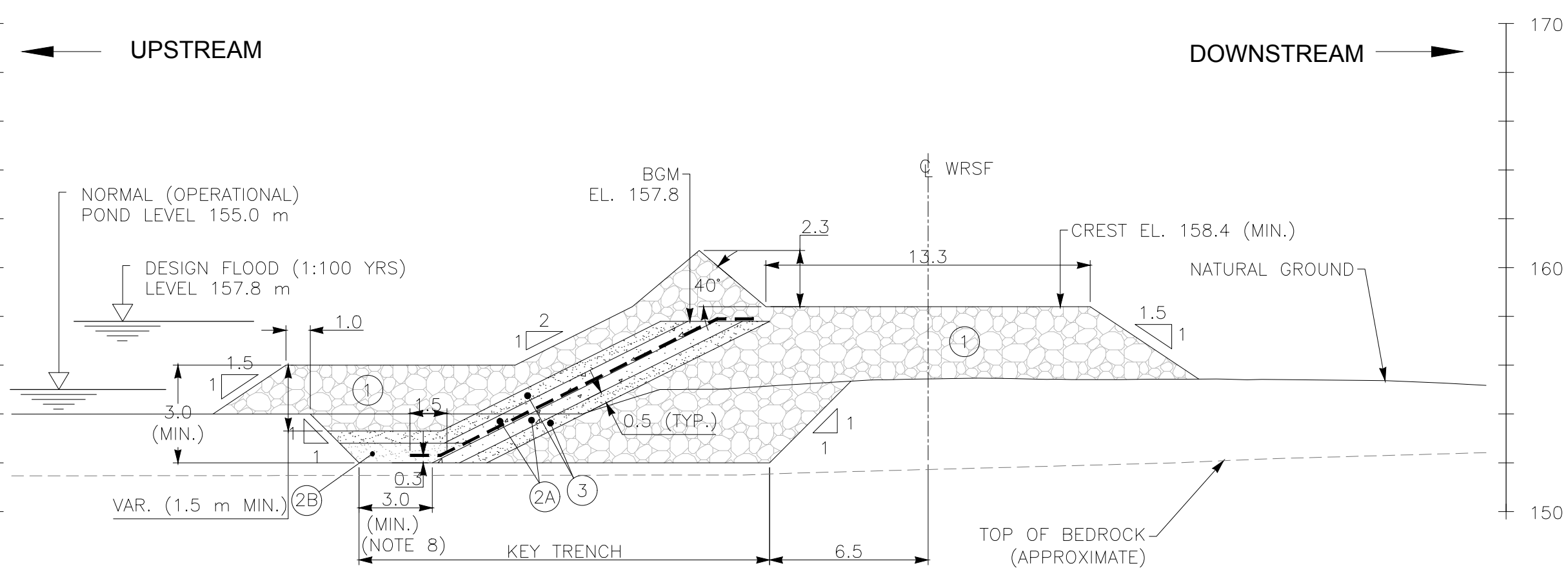
PREPARATION		APPROVAL	
DESIGNED	G. HAILE, P. ENG.	PROJECT DISCIPLINE ENGINEER	G. HAILE, P. ENG.
DRAWN	D. LAN	PROJECT ENGINEERING MANAGER	Y. JALBERT, P. ENG.
CHECKED	Y. JALBERT, P. ENG.	CLIENT	
DATE	2018-08-10	PERMIT TO PRACTICE	D. LEAHY, P. ENG.
SCALE	AS SHOWN		

CLIENT				
AGNICO EAGLE				
PROJECT				
AGNICO EAGLE - MEADOWBANK DIVISION WHALE TAIL PROJECT				
TITLE				
WRSF DIKE PLAN VIEW AND LONGITUDINAL SECTION				
PROJECT No	SUBDIVISION	SUBJECT	SERIAL	REV.
651298	6000	4G DD	0004	01

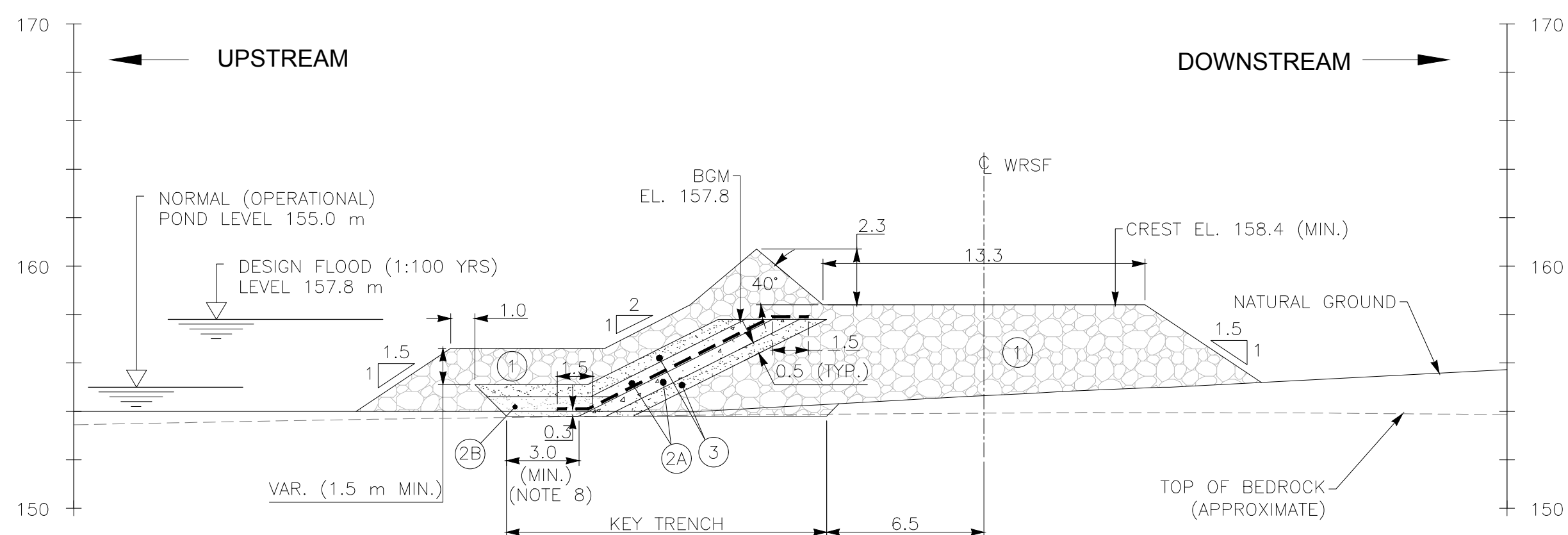
A1-HOR-FRAME-EN (S)



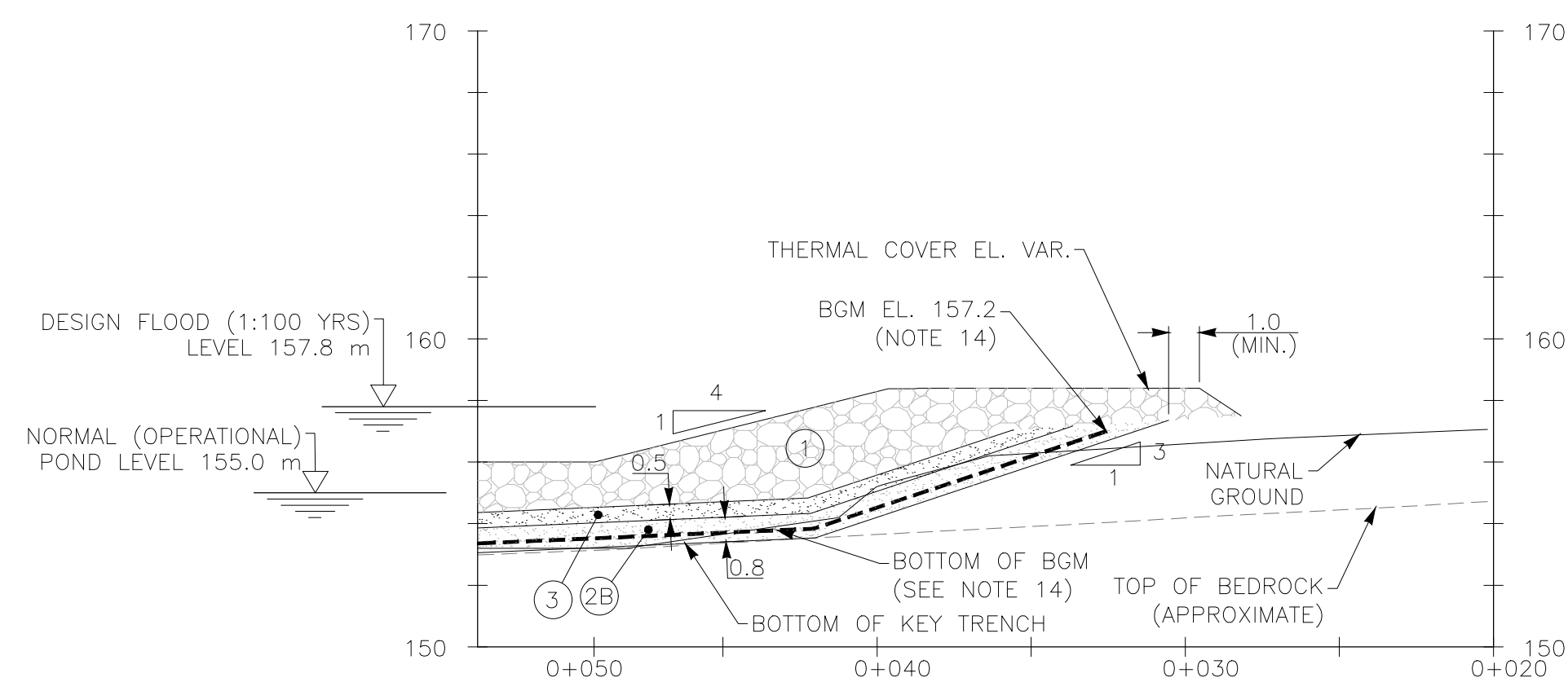
SECTION B-B
SCALE: 1:200



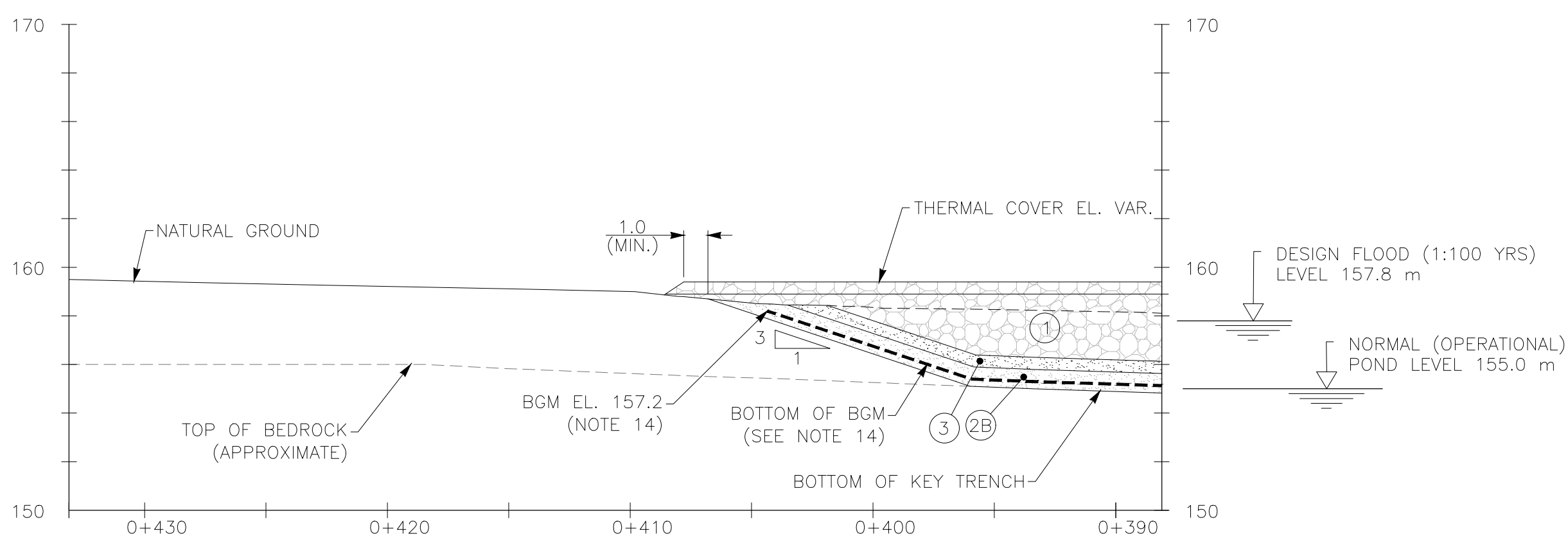
SECTION C-C
SCALE: 1:200



SECTION D-D
SCALE: 1:200



SECTION E-E
SCALE: 1:200



SECTION F-F
SCALE: 1:200

- NOTES:

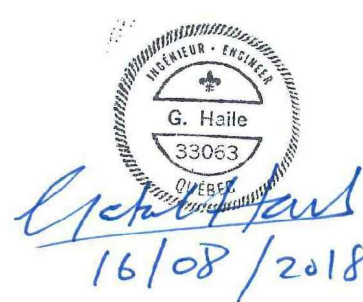
1. THIS DRAWING SHOWS SELECTED SECTIONS OF THE WRSF ★ DIKE.
2. THE WORKS SHOWN ON THIS DRAWING SHALL BE EXECUTED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS.
3. FOR THE LOCATIONS OF THE SECTIONS, SEE DRAWING 651298-7000-4GDD-0004.
4. ALL ELEVATIONS AND DIMENSIONS ARE IN METERS.
5. THE KEY TRENCH EXCAVATION SHALL BE CARRIED OUT AT THE END OF THE THAWING SEASON AROUND THE END OF SEPTEMBER. THE 2 M EXCAVATION DEPTH INDICATED IS THE ESTIMATED DEPTH OF THE ACTIVE ZONE OR DEPTH TO THE FROZEN LAYER. DEPENDING ON CONDITIONS AT THE TIME OF THE WORK, THE FROZEN SOIL DEPTH MAY BE DIFFERENT. HOWEVER, THE CONTRACTOR SHALL ADJUST THE ROCKFILL THICKNESS ABOVE THE FFAB LAYER TO ENSURE THAT THE FFAB HAS A MINIMUM THERMAL COVER OF 2.0 M INCLUDING ZONE 3 MATERIAL.
6. LINER BEDDING AND COVER OF FINE FILTER SHALL BE PLACED PRIOR TO ALLOWING ANY VEHICLE TRAFFIC OVER IT.
7. THE THERMAL COVER ABOVE THE FFAB SHALL BE PLACED BEFORE THE NEXT THAW SEASON.
8. WHERE THE FFAB LAYER WILL BE INSTALLED DIRECTLY ON THE BEDROCK SURFACE, CRACKS AND JOINTS FILLED WITH SOIL OR ROCK FRAGMENTS SHALL BE CLEANED AND THE ENTIRE SURFACE TREATED TO CUT OFF POTENTIAL SEEPAGE BELOW THE FFAB. BEDROCK SURFACE TREATMENT OUTSIDE OF THE FFAB MAYBE REQUIRED DEPENDS ON THE EXPOSED ROCK SURFACE CONDITION DURING CONSTRUCTION. THE METHOD AND DEPTH OF BEDROCK TREATMENT SHALL BE DECIDED DURING CONSTRUCTION.
9. SAFETY BERMS WILL BE REQUIRED FOR TRAFFIC ON THE POND SIDE TO LIMIT PASSAGE OF VEHICLES OVER THE MEMBRANE.
10. THE ROAD WIDTH AND THE SAFETY BERM DIMENSIONS SHOWN ARE BASED ON AGNICO EAGLE'S STANDARD DESIGN FOR 150 TON (US) HAUL TRUCKS.
11. THE FINE FILTER BEDDING AND COVER OF THE BGM LINER SHALL BE IN PLACE PRIOR TO ALLOWING CONSTRUCTION EQUIPMENT TRAFFIC OVER THE LINER.
12. NO ACCESS ROAD SHALL BE CONSTRUCTED DIRECTLY ON THE BGM.
13. THE KEY TRENCH REQUIRES THE REMOVAL OF ALL LOOSE OR UNFROZEN MATERIALS. THE KEY TRENCH MAY NEED TO BE EXTENDED IN SOME LOCATION IF THE FOUNDATION IS JUDGED NOT APPROPRIATE (EX. HIGHLY FRACTURED BEDROCK, LENSE OF GRAVEL, ETC.).
14. THE EXTENSION OF THE BGM AT THE ABUTMENT WILL BE FIXED AFTER FOUNDATION APPROVAL. THE BGM SHALL BE PLACED UP TO EL. 157.2m (MIN).

LEGEND

- | | |
|-------|--|
| 1 | ROCKFILL |
| 2A | (F.F.) FINE FILTER |
| 2B | FFAB = FINE FILTER AMENDED
WITH BENTONITE |
| 3 | (C.F.) COARSE FILTER |
| ----- | BGM = BITUMINOUS GEOMEMBRANE |
| * | WRSF = WASTE ROCK STORAGE FACILITY |

[illegible]

PROFESSIONAL SEAL



SNC-LAVALIN
Mining & Metallurgy
5500, des Galeries Blvd., bur. 200, Québec (Québec), Canada G2K 2E1
Telephone: (418) 621-5500, Fax: (418) 621-8887

PREPARATION	APPROVAL
DESIGNED G. HALL, P. ENG.	PROJECT DISCIPLINE ENGINEER G. HALL, ENG
DRAWN D. LAN	PROJECT ENGINEERING MANAGER Y. ALBERT, P. ENG.
CHECKED Y. ALBERT	CLIENT
DATE 2018-08-10	PERMIT TO PRACTICE D. LEAHY, P. ENG.

1 : 200

CLIENT	
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PROJECT	
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AGNICO EAGLE - MEADOWBANK DIVISION
WHALE TAIL PROJECT

TITLE

WRSF DIKE
SECTIONS

PROJECT No	SUBDIVISION	SUBJECT	SERIAL	REV
651298	6000	4G DD	0005	01

A1-HOR-FRAME-EN (