

CHAINAGE (m)	3036.6	3000	2900	2800	2700	2600	2500	
ROCK COVER(m)			20	<40	<60		<80	
NGI Q(ROCK) VALUES(MEAN)		0.27-2.67 (0.94)	0.78-14.67 (5.51)	0.08-4.17 (1.37)	0.77-6.25 (2.31)	1.30-12.00 (3.45)	3.92-16.67 (8.05)	1.39-4.17 (3.03)
PERMEABILITY, OBTAINED FROM IN-SITU WATER ABSORPTION TESTS, K(MEAN) (x10 ⁻⁷ m/s)		4.14	59.70	2.18	5.38	9.00	1.05	6.33

P1	NOV 08	MING	FIRST ISSUE	FY	AFK
Rev	Date	Drawn	Description	Chk'd	App'd

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WATER SUPPLIES DEPARTMENT

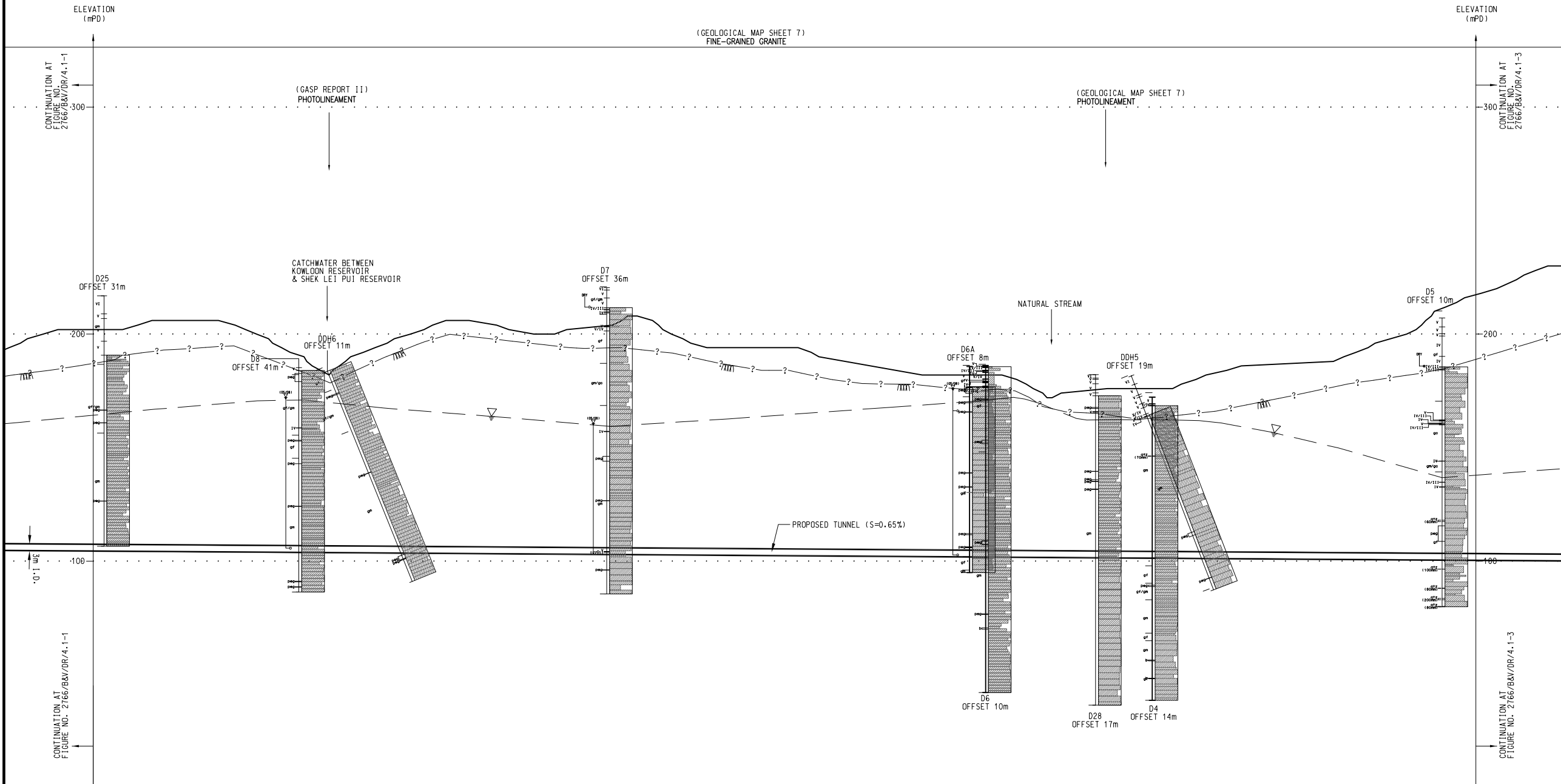
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Project
Agreement No. CE55/2006(EP)
Inter-reservoirs Transfer Scheme (IRTS)
Water Tunnel between Kowloon Byewash Reservoir and Lower Shing Mun Reservoir
Environmental Impact Assessment Investigation

Title
LONGITUDINAL GEOLOGICAL PROFILE FOR PROPOSED WATER TRANSFER TUNNEL
(SHEET 1 OF 5)

Designed	BV	Eng.Chk	FY
Drawn	MING	Coordination	FY
Dwg.Chk	FY	Approved	AFK
Scale	1:2000@A3	Project	240564
		CAD File	
Drawing No.	FIGURE 5-3a	Status	INF
		Rev	P1

(GEOLOGICAL MAP SHEET 7)
FINE-GRAINED GRANITE



CHAINAGE (m)	2400	2300	2200	2100	2000	1900	1800
ROCK COVER(m)	<100	<80	<100	<80	<60	<80	<100
NGI Q(ROCK) VALVUS(MEAN)	1.39-4.17 (3.03)	1.95-3.67 (3.03)	3.12-5.50 (4.58)	2.53-16.67 (9.44)	2.39-4.17 (3.61) 6.42-16.67 (11.53)	2.53-4.17 (3.71) 3.33-16.67 (5.50)	1.21-4.17 (2.81) 0.09-6.35 (3.68)
PERMEABILITY, OBTAINED FROM IN-SITU WATER ABSORPTION TESTS, K(MEAN) (x10 ⁻⁷ m/s)	6.33	0.13	2.63	1.64	0.41 3.62	0.63 0.07	1.40 11.70

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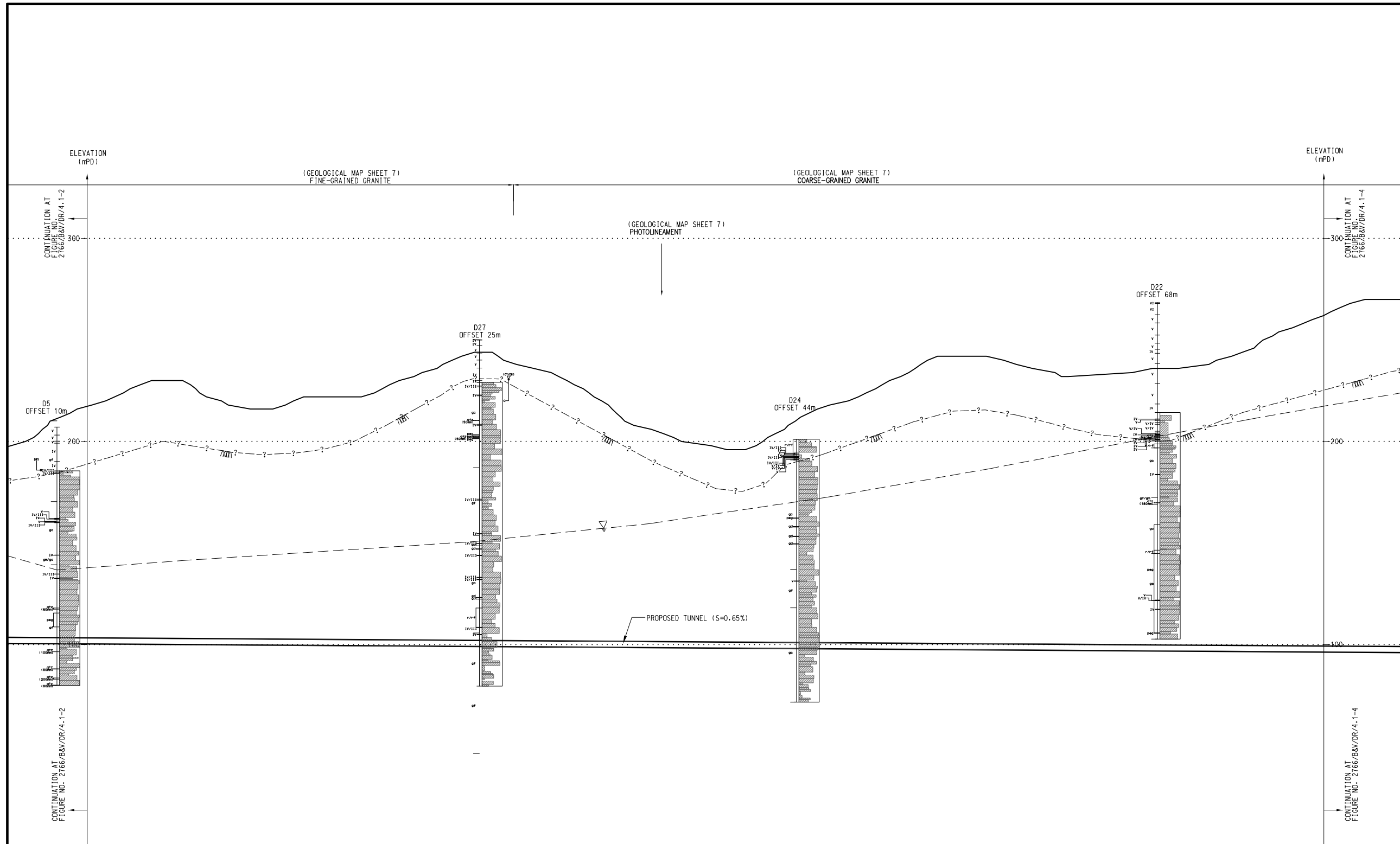
Title
 LONGITUDINAL GEOLOGICAL PROFILE FOR
 PROPOSED WATER TRANSFER TUNNEL
 (SHEET 2 OF 5)

Designed	BV	Eng.Chk	FY
Drawn	MING	Coordination	FY
Dwg.Chk	FY	Approved	AFK
Scale	1:2000@A3	Project	240564
		CAD File	
Drawing No.	FIGURE 5-3b		Rev
			P1

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CHAINAGE (m)	1800	1700	1600	1500	1400	1300	1200
ROCK COVER(m)	<100	<120	<140	<120	<100	<80	<100
NGI Q(ROCK) VALUES(MEAN)			0.46-4.68 (2.51)				2.17-12.38 (5.76)
PERMEABILITY, OBTAINED FROM IN-SITU WATER ABSORPTION TESTS, K(MEAN) (x10 ⁻⁷ m/s)			9.45				5.95
						2.90	

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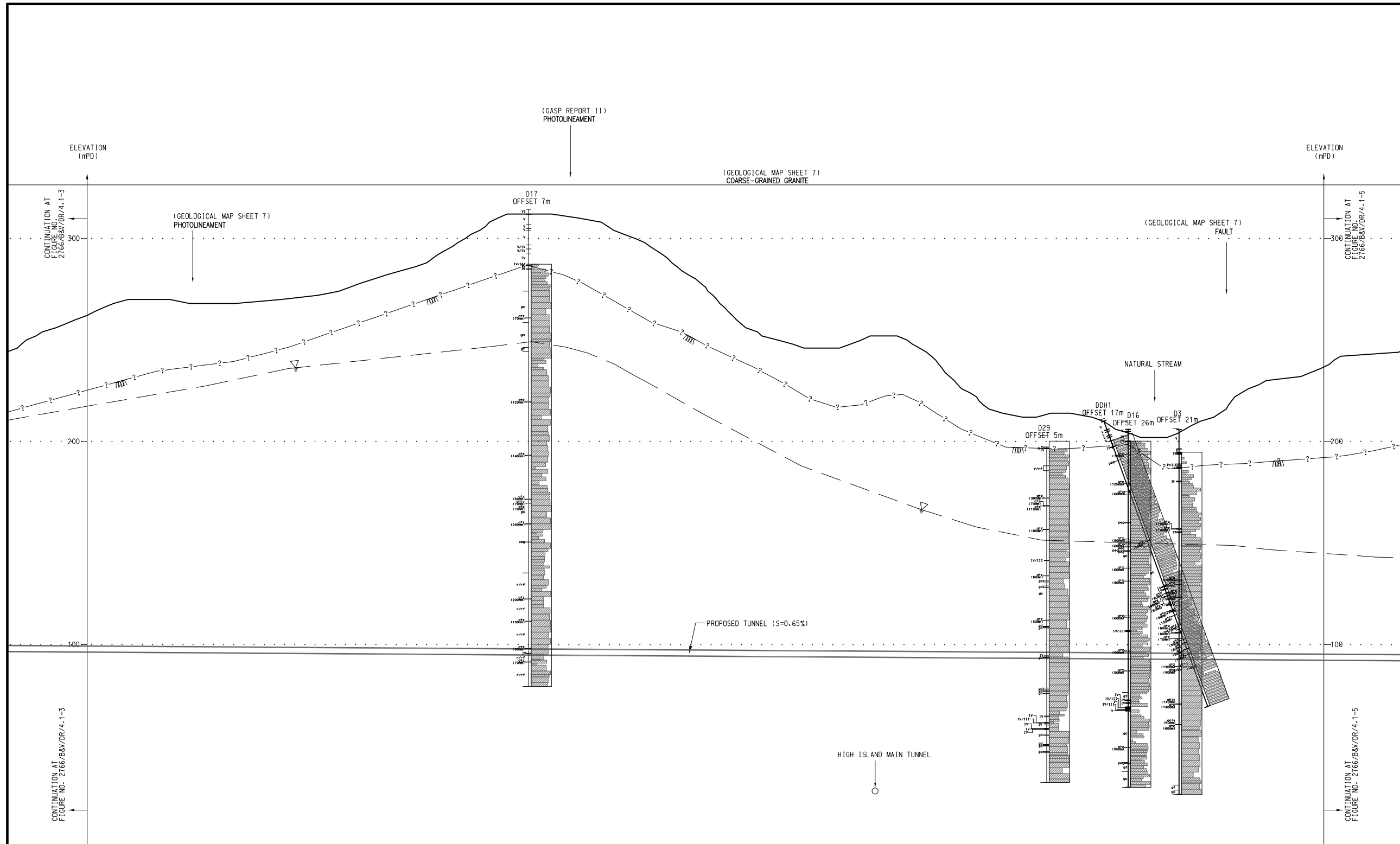
Title
 LONGITUDINAL GEOLOGICAL PROFILE FOR
 PROPOSED WATER TRANSFER TUNNEL
 (SHEET 3 OF 5)

Designed	BV	Eng. Chk.	FY
Drawn	MING	Coordination	FY
Dwg. Chk.	FY	Approved	AFK
Scale	1:2000@A3	Project	240564
		CAD File	
Drawing No.	FIGURE 5-3c		Rev
			P1

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CHAINAGE (m)	1200	1100	1000	900	800	700	600							
ROCK COVER(m)	<140	<160	<180	<200	<220	<200	<180	<160	<140	<120	0.61-2.75 (1.61)	0.55-3.92 (1.67)	2.60-4.13 (3.81)	
NGI Q(ROCK) VALUES(MEAN)					1.75-12.13 (7.83)						1.84-4.13 (3.85)			
PERMEABILITY, OBTAINED FROM IN-SITU WATER ABSORPTION TESTS, K(MEAN) (x10 ⁻⁷ m/s)					7.41						3.77	2.41	3.62	2.50

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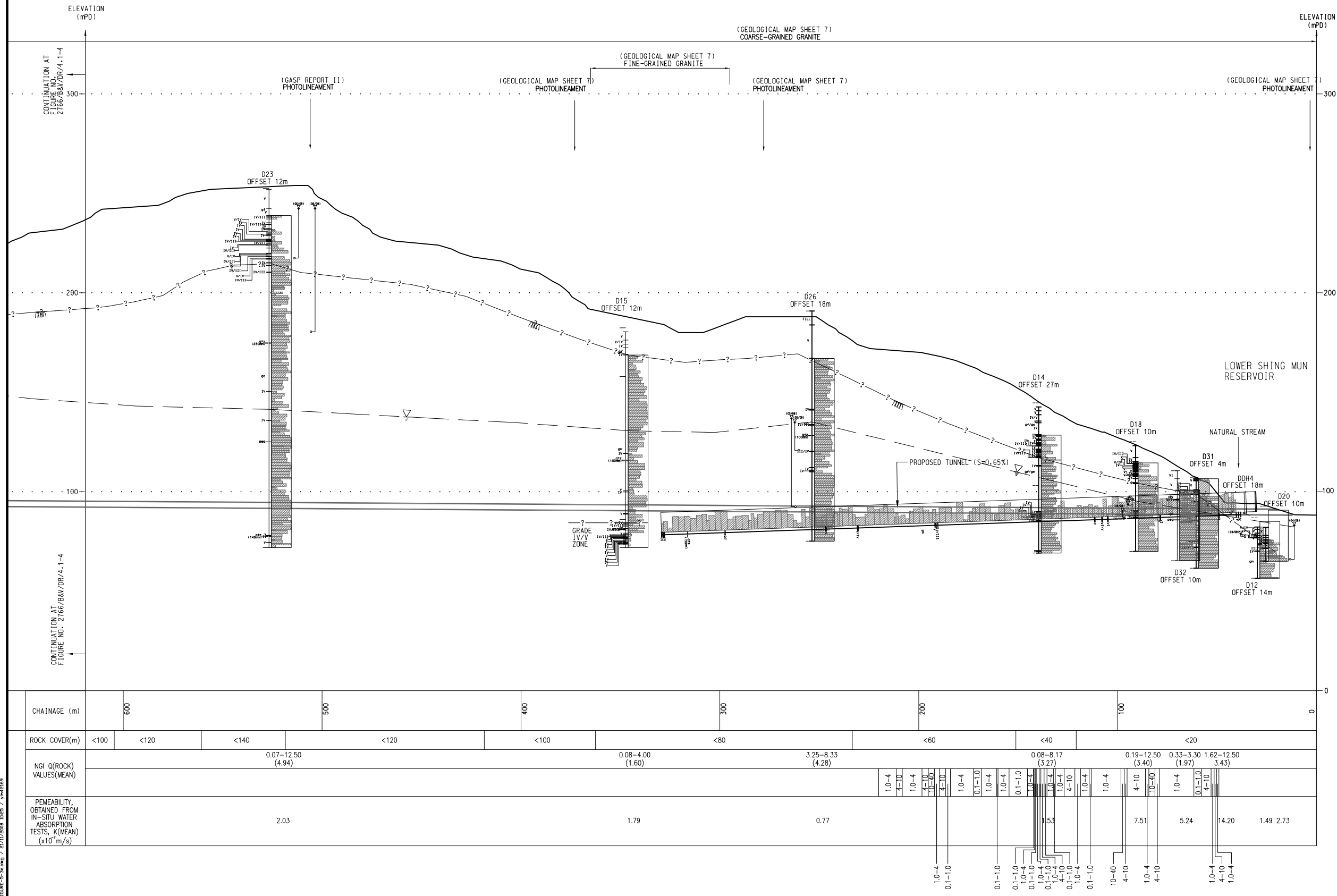
Title
 LONGITUDINAL GEOLOGICAL PROFILE FOR
 PROPOSED WATER TRANSFER TUNNEL
 (SHEET 4 OF 5)

Designed	BV	Eng.Chk	FY
Drawn	MING	Coordination	FY
Dwg.Chk	FY	Approved	AFK
Scale	1:2000@A3	Project	240564
		CAD File	
Drawing No.	FIGURE 5-3d		Rev
			P1

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CHAINAGE (m)	600	500	400	300	200	100	0						
ROCK COVER(m)	<100	<120	<140	<120	<100	<80	<60	<40	<20				
NGI Q(ROCK) VALUES(MEAN)	0.07-12.50 (4.94)		0.08-4.00 (1.60)		3.25-8.33 (4.28)		0.08-8.17 (3.27)		0.19-12.50 (3.40)	0.33-3.30 (1.97)	1.62-12.50 (3.43)		
PERMEABILITY, OBTAINED FROM IN-SITU WATER ABSORPTION TESTS, K(MEAN) (x10 ⁻⁸ m/s)	2.03		1.79		0.77		1.53		7.51	5.24	14.20	1.49	2.73

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LONGITUDINAL GEOLOGICAL PROFILE FOR PROPOSED WATER TRANSFER TUNNEL
 (SHEET 5 OF 5)

Designed	BV	Eng.Chk	FY
Drawn	MING	Coordination	FY
Dwg.Chk	FY	Approved	AFK
Scale	1:2000@A3	Project	240564
		CAD File	
Drawing No.	FIGURE 5-3e		Rev
			P1