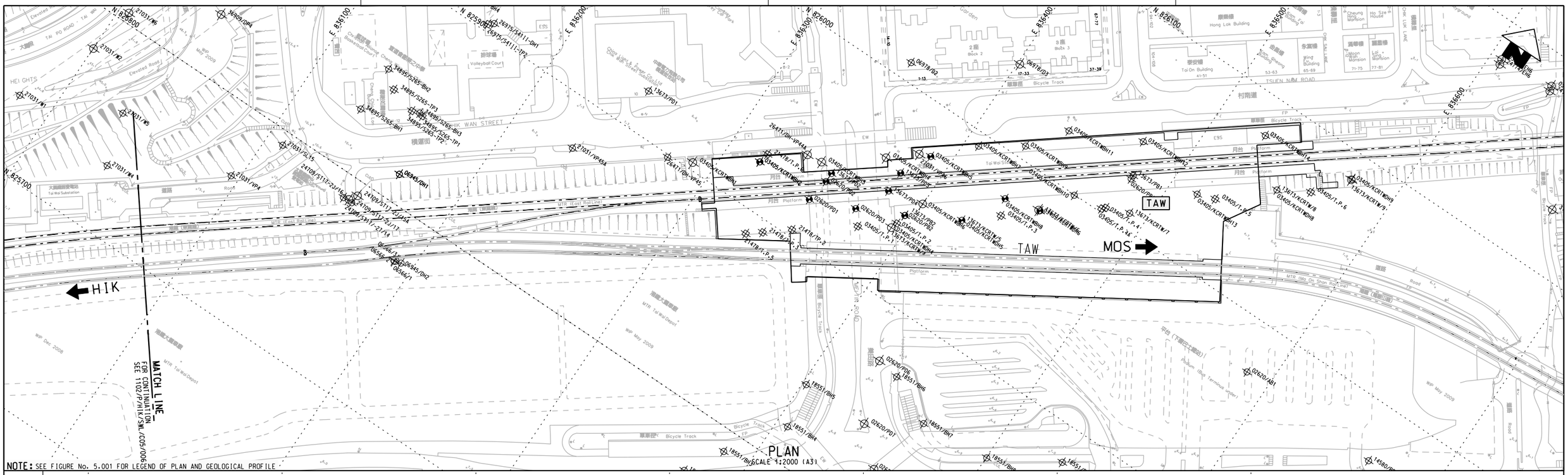

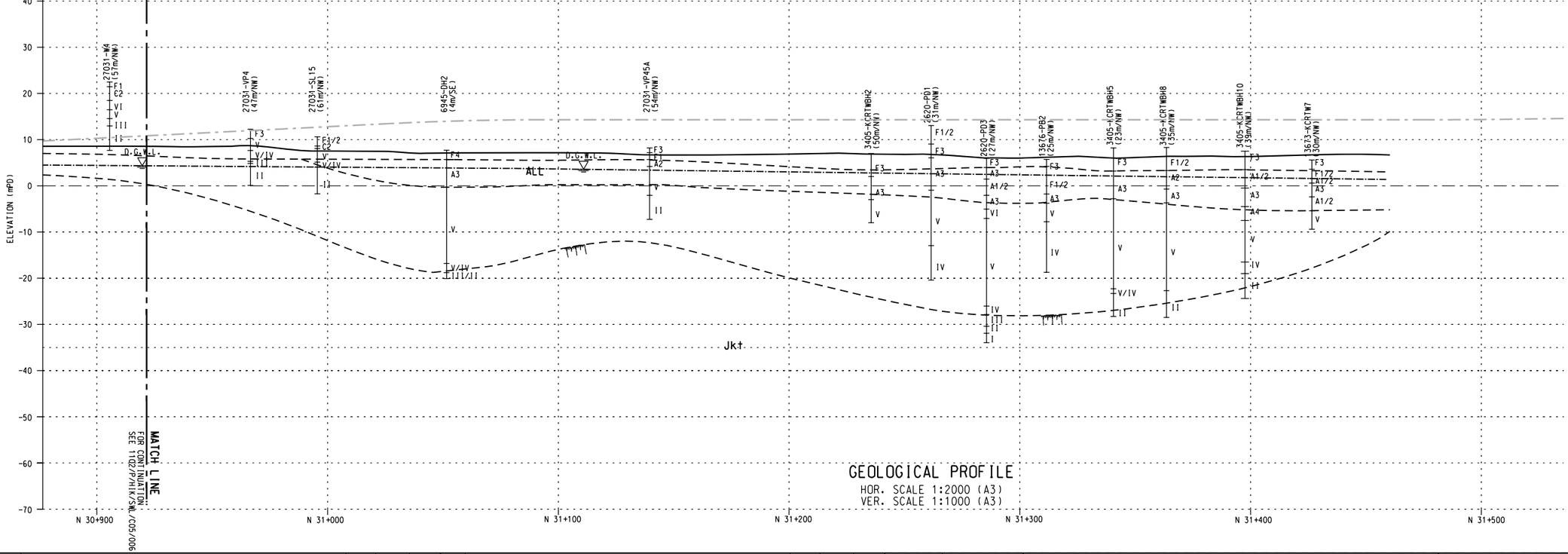

NOTE: SEE FIGURE No. 5.001 FOR LEGEND OF PLAN AND GEOLOGICAL PROFILE

GEOLOGICAL PROFILE

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VER. SCALE 1:1000 (A3)

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DRAWN	RL
DESIGNED	RW
CHECKED	PC
APPROVED	WC
DATE	17/AUG/2010

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SHATIN TO CENTRAL LINK

ORIGINATOR: Scott Wilson Ltd 偉信顧問集團有限公司

CADD REF. 1102_P_HIK_SWL_C05_007A.dgn

TITLE
CONTRACT 1102
HIN KENG STATION
GEOLOGICAL PLAN AND PROFILE

(SHEET 3 OF 3)

SCALE @ A1: AS SHOWN

DRAWING NO. 1102/P/HIK/SWL/C05/007

REV. A

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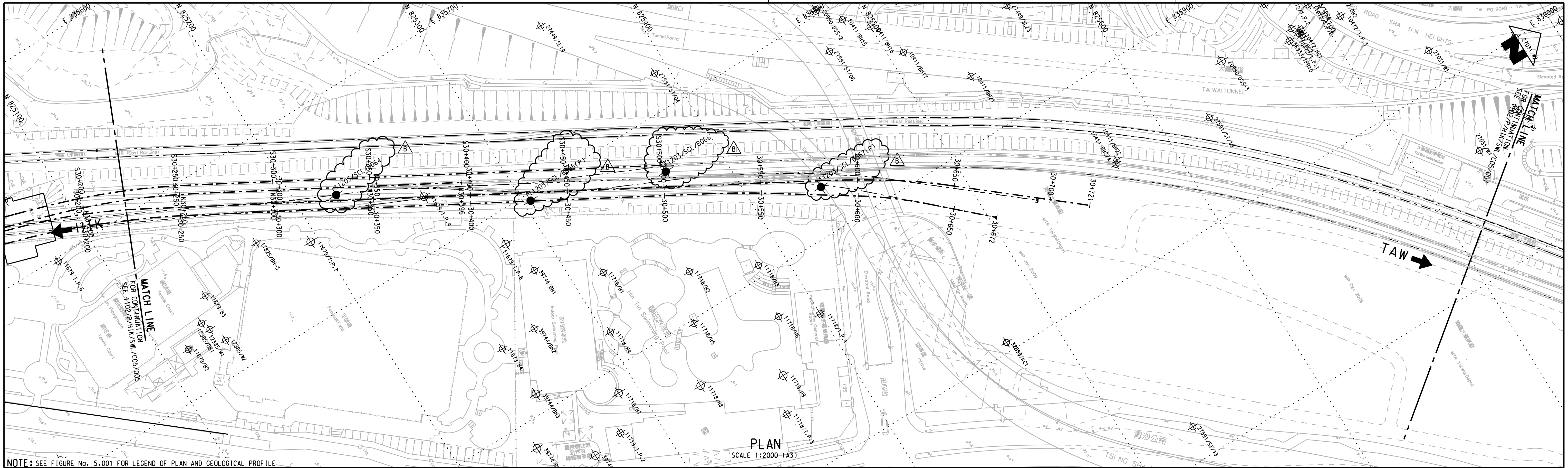

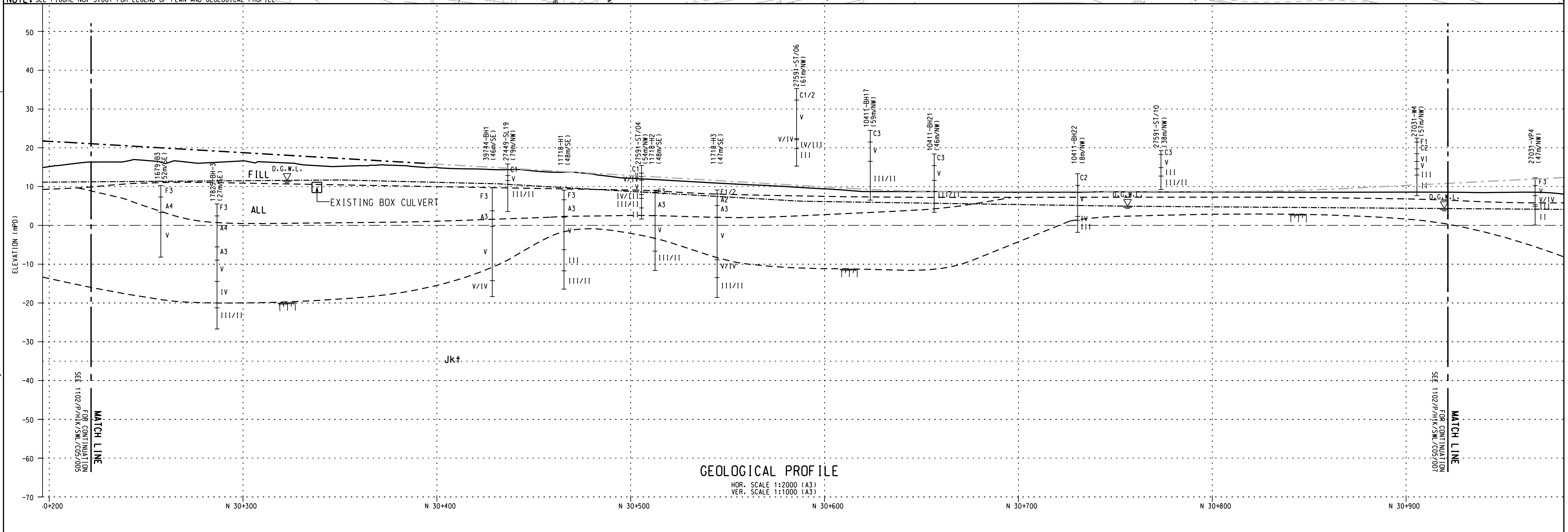

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DESIGNED	RW
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SHATIN TO CENTRAL LINK

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CADD REF. 1102_P_HIK_SWL_C05_006B.dgn

TITLE
CONTRACT 1102
HIN KENG STATION
GEOLOGICAL PLAN AND PROFILE

(SHEET 2 OF 3)

SCALE @ A1: AS SHOWN
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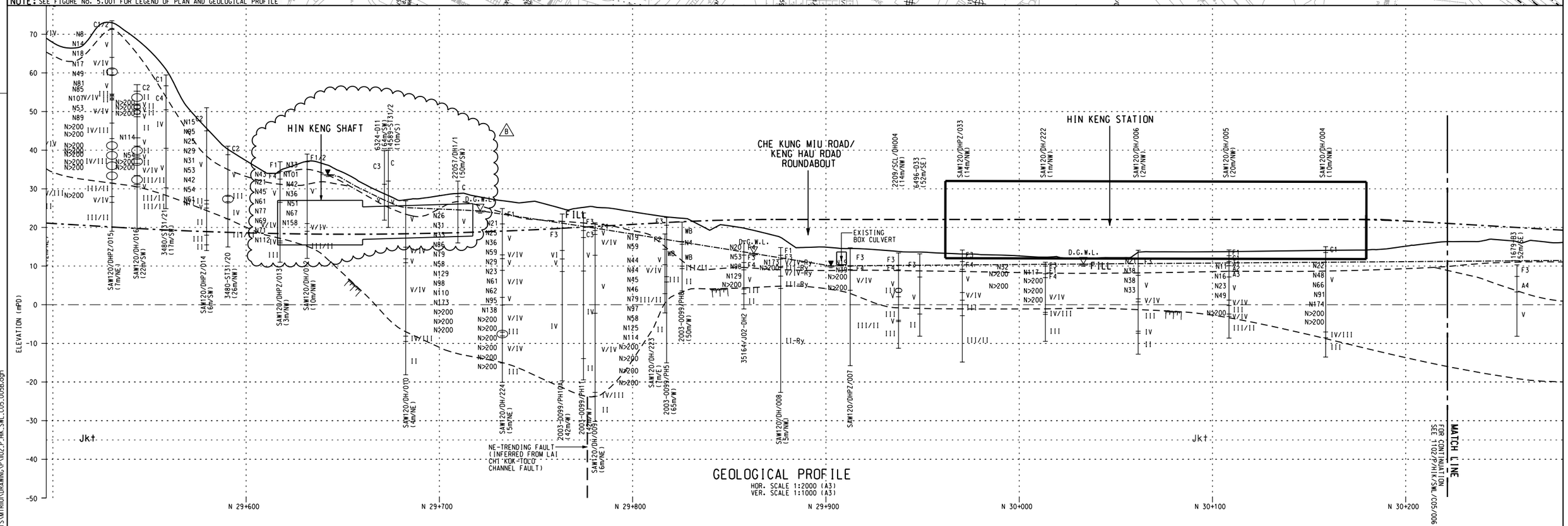
NOTE: SEE FIGURE No. 5.001 FOR LEGEND OF PLAN AND GEOLOGICAL PROFILE



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ORIGINATOR
Scott Wilson Ltd
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CADD REF. 1102_P_HIK_SWL_C05_005B.dgn

TITLE
CONTRACT 1102
HIN KENG STATION
GEOLOGICAL PLAN AND PROFILE
(SHEET 1 OF 3)

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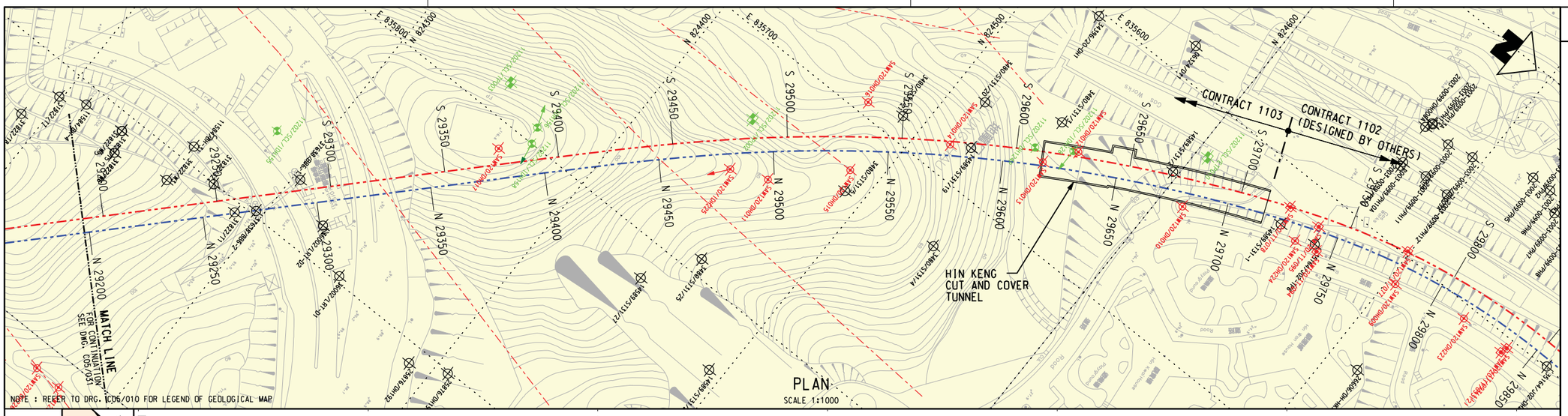

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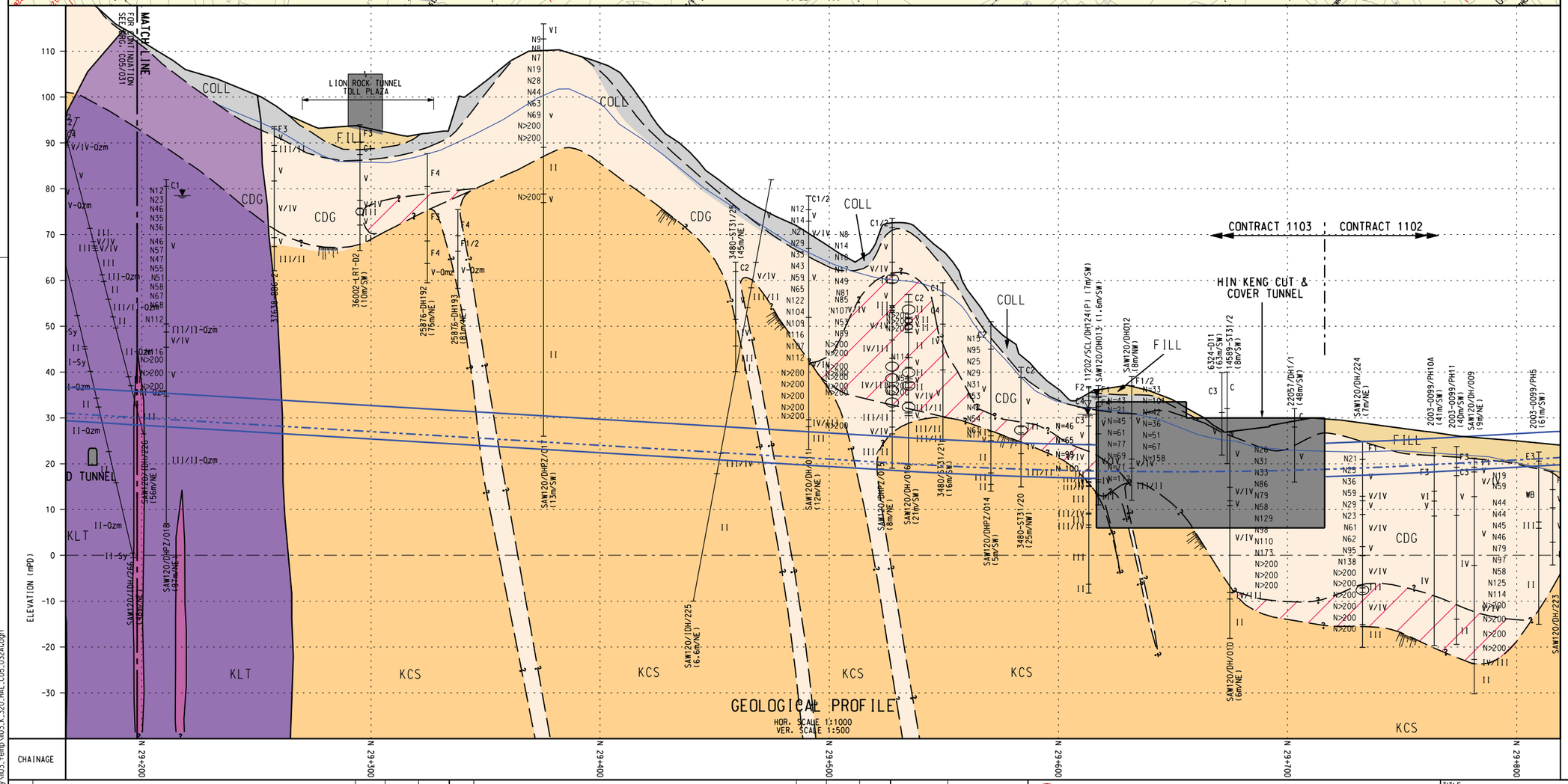


GEOLOGICAL PROFILE
HOR. SCALE 1:1000
VER. SCALE 1:500

MATERIAL TYPE LEGEND

FILL	FILL
MD	MARINE DEPOSITS
COLL	COLLUVIUM
ALL	ALLUVIUM (SAND / GRAVEL)
ALL	ALLUVIUM (SILT / CLAY)

LEGEND FOR TOPOGRAPHIC

	PHOTOLINEAMENT BASED ON API

KOWLOON GRANITE :

CDG	GRADE VI, V AND IV
KLK	GRADE III OR BETTER

SHUI CHUEN O'GRANITE :

CDG	GRADE VI, V AND IV
KCS	GRADE III OR BETTER

TEI TONG TSUI QUARTZ MONZONITE :

CDG	GRADE VI, V AND IV
KLT	GRADE III OR BETTER

NEEDLE HILL GRANITE :

CDG	GRADE VI, V AND IV
JKN	GRADE III OR BETTER

DYKE

BASALT

GRADE IV/III OR CORESTONE CONCENTRATION

INFERRED GROUNDWATER LEVEL (HIGHEST)

HIGHEST GROUNDWATER LEVEL MEASURED IN STANDPIPE

HIGHEST GROUNDWATER LEVEL MEASURED IN PIEZOMETER

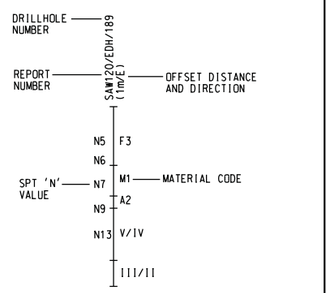
INFERRED GEOLOGICAL BOUNDARY / WEATHERING GRADE

UNCERTAIN GEOLOGICAL BOUNDARY / WEATHERING GRADE

POSSIBLE SHEAR / MINOR FAULT ZONE (FROM PHOTOLINEAMENTS / GEOLOGICAL MAP OR BOREHOLES)

BOREHOLE LOG LEGEND

1	VERY SOFT TO SOFT CLAY / SILT
2	FIRM TO STIFF CLAY / SILT
3	SAND
4	COBBLES / GRAVEL / BOULDERS
F	FILL
C, COLL	COLLUVIUM
DFD	DEBRIS FLOW DEPOSITS
A, ALL	ALLUVIUM
VI, RS	RESIDUAL SOIL
V, CDG	COMPLETELY DECOMPOSED GRANITE / QUARTZ MONZONITE
IV, HDG	HIGHLY DECOMPOSED GRANITE / QUARTZ MONZONITE
III, MDG	MODERATELY DECOMPOSED GRANITE / QUARTZ MONZONITE
II, SDG	SIGHTLY DECOMPOSED GRANITE / QUARTZ MONZONITE
I	FRESH GRANITE / QUARTZ MONZONITE
○	CORESTONE
Qzm	QUARTZ MONZONITE
Ba	BASALT
Sy	SYENITE
Ry	RHYOLITE
My	MYLONITE
Bre	BRECCIA
Peg	PEGMATITE



NOTES

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2. THE ACTUAL GROUND CONDITIONS ENCOUNTERED DURING CONSTRUCTION SHALL BE DETERMINED BY THE GEOLOGIST ON SITE. THESE SHALL BE COMPARED AND VERIFIED WITH THE PROPOSED GROUND CONDITIONS. THE ACTUAL GROUND CONDITIONS AND POSSIBLE CHANGES SHALL BE PRESENTED AT THE DAILY MONITORING REVIEW MEETING.
3. HIGHEST MEASURED GROUNDWATER LEVEL BASED ON MONITORING DATA AVAILABLE.

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DATE	06/SEP/2011

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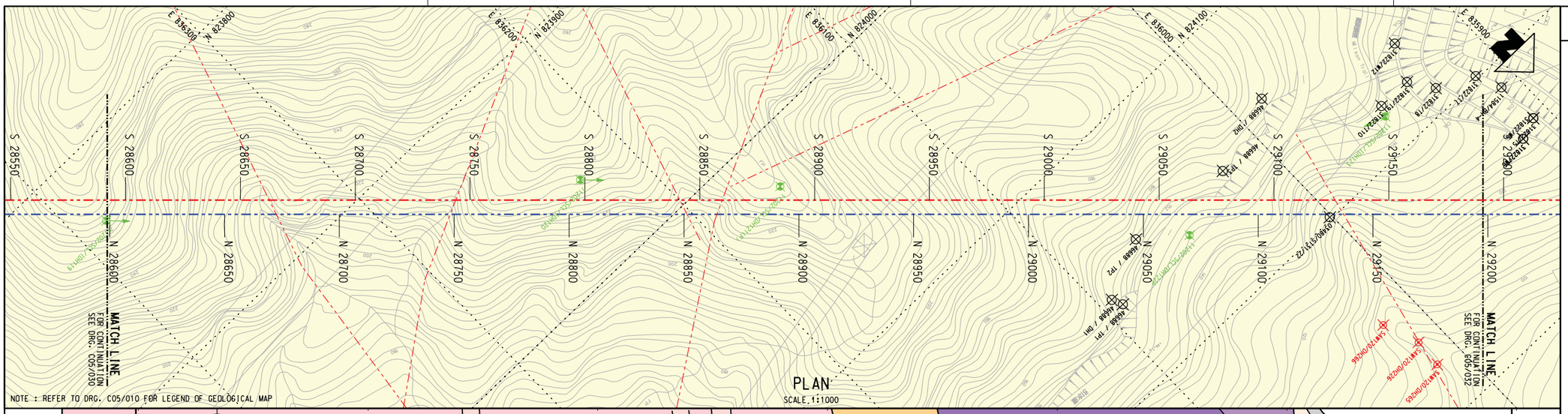
SHATIN TO CENTRAL LINK

ORIGINATOR
Halcrow
in association with TFP Farrells, Hyder, DLS, MVA, ERM, and Evans and Peak

CADD REF. 1103_K_320_HAL_C05_032A1.DGN

TITLE
CONTRACT 1103
HIN KENG TO DIAMOND HILL TUNNELS
GENERAL FOR HIN KENG TO DIAMOND HILL
GEOLOGICAL LONGITUDINAL SECTION SHEET 10
FIGURE A-20

SCALE AS SHOWN (A1)
DRAWING NO. 1103/K/320/HAL/C05/032
REV. A1



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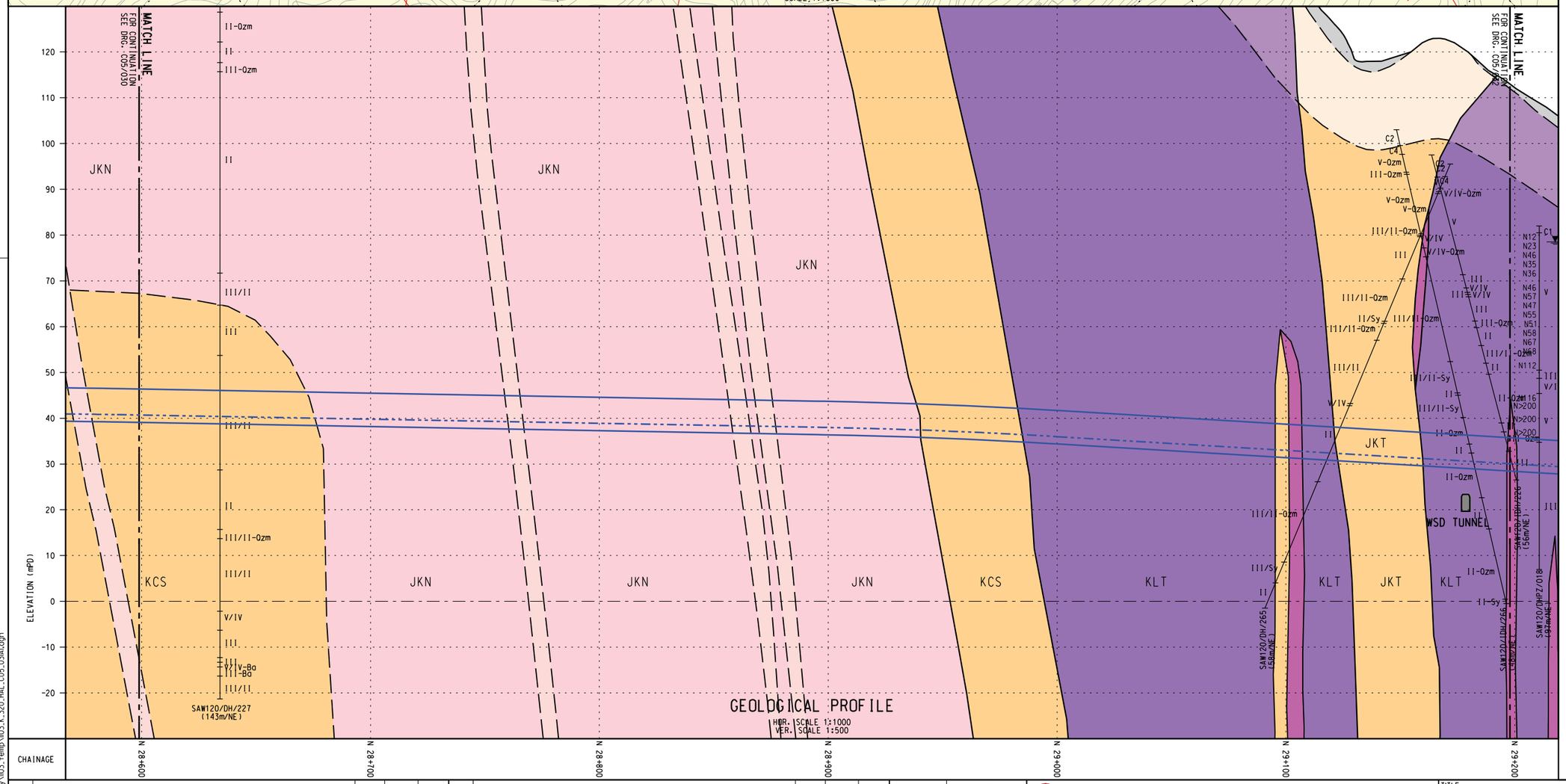


GEOLOGICAL PROFILE
HOR. SCALE 1:1000
VER. SCALE 1:500

MATERIAL TYPE LEGEND

FILL	FILL
MD	MARINE DEPOSITS
COLL	COLLUVIUM
ALL	ALLUVIUM (SAND / GRAVEL)
ALL	ALLUVIUM (SILT / CLAY)

LEGEND FOR TOPOGRAPHIC

- - -	PHOTOLINEAMENT BASED ON API

KOWLOON GRANITE :

CDG	GRADE VI, V AND IV
KLK	GRADE III OR BETTER

SHUI CHUEN O'GRANITE :

CDG	GRADE VI, V AND IV
KCS	GRADE III OR BETTER

TEI TONG TSUI QUARTZ MONZONITE :

CDG	GRADE VI, V AND IV
KLT	GRADE III OR BETTER

NEEDLE HILL GRANITE :

CDG	GRADE VI, V AND IV
JKN	GRADE III OR BETTER

DYKE

BASALT

GRADE IV/III OR CORESTONE CONCENTRATION

INFERRED GROUNDWATER LEVEL (HIGHEST)

HIGHEST GROUNDWATER LEVEL MEASURED IN STANDPIPE

HIGHEST GROUNDWATER LEVEL MEASURED IN PIEZOMETER

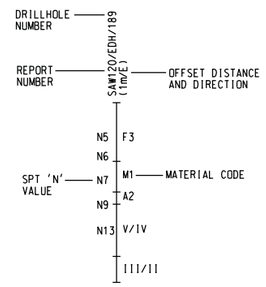
INFERRED GEOLOGICAL BOUNDARY / WEATHERING GRADE

UNCERTAIN GEOLOGICAL BOUNDARY / WEATHERING GRADE

POSSIBLE SHEAR / MINOR FAULT ZONE (FROM PHOTOLINEAMENTS / GEOLOGICAL MAP OR BOREHOLES)

BOREHOLE LOG LEGEND

1	VERY SOFT TO SOFT CLAY / SILT
2	FIRM TO STIFF CLAY / SILT
3	SAND
4	COBBLES / GRAVEL / BOULDERS
F	FILL
C, COLL	COLLUVIUM
DFD	DEBRIS FLOW DEPOSITS
A, ALL	ALLUVIUM
VI, RS	RESIDUAL SOIL
V, CDG	COMPLETELY DECOMPOSED GRANITE / QUARTZ MONZONITE
IV, HDG	HIGHLY DECOMPOSED GRANITE / QUARTZ MONZONITE
III, MDG	MODERATELY DECOMPOSED GRANITE / QUARTZ MONZONITE
II, SDG	SIGHTLY DECOMPOSED GRANITE / QUARTZ MONZONITE
I	FRESH GRANITE / QUARTZ MONZONITE
◯	CORESTONE
Ozm	QUARTZ MONZONITE
Ba	BASALT
Sy	SYENITE
Ry	RHYOLITE
My	MYLONITE
Bre	BRECCIA
Peg	PEGMATITE



NOTES

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3. HIGHEST MEASURED GROUNDWATER LEVEL BASED ON MONITORING DATA AVAILABLE.

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SHATIN TO CENTRAL LINK

ORIGINATOR
Halcrow
in association with TFP Farrells, Hyder, DLS, MVA, ERM, and Evans and Peak

CADD REF. 1103_K_320_HAL_C05_031A1.DGN

TITLE
CONTRACT 1103
HIN KENG TO DIAMOND HILL TUNNELS
GENERAL FOR HIN KENG TO DIAMOND HILL
GEOLOGICAL LONGITUDINAL SECTION SHEET 9

FIGURE A-19

SCALE AS SHOWN (A1)

DRAWING NO. 1103/K/320/HAL/C05/031

REV. A1

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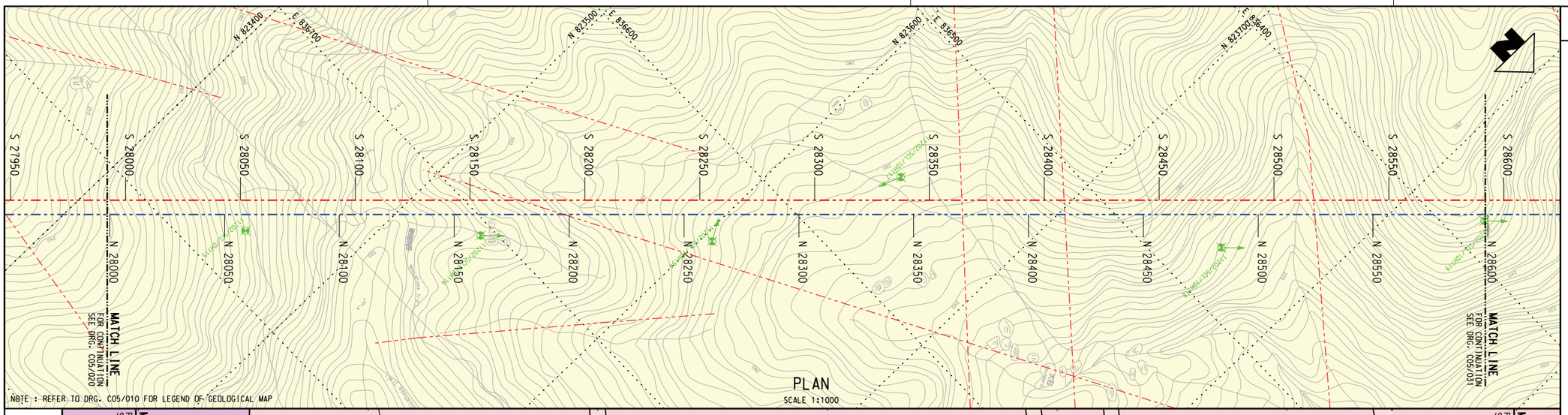

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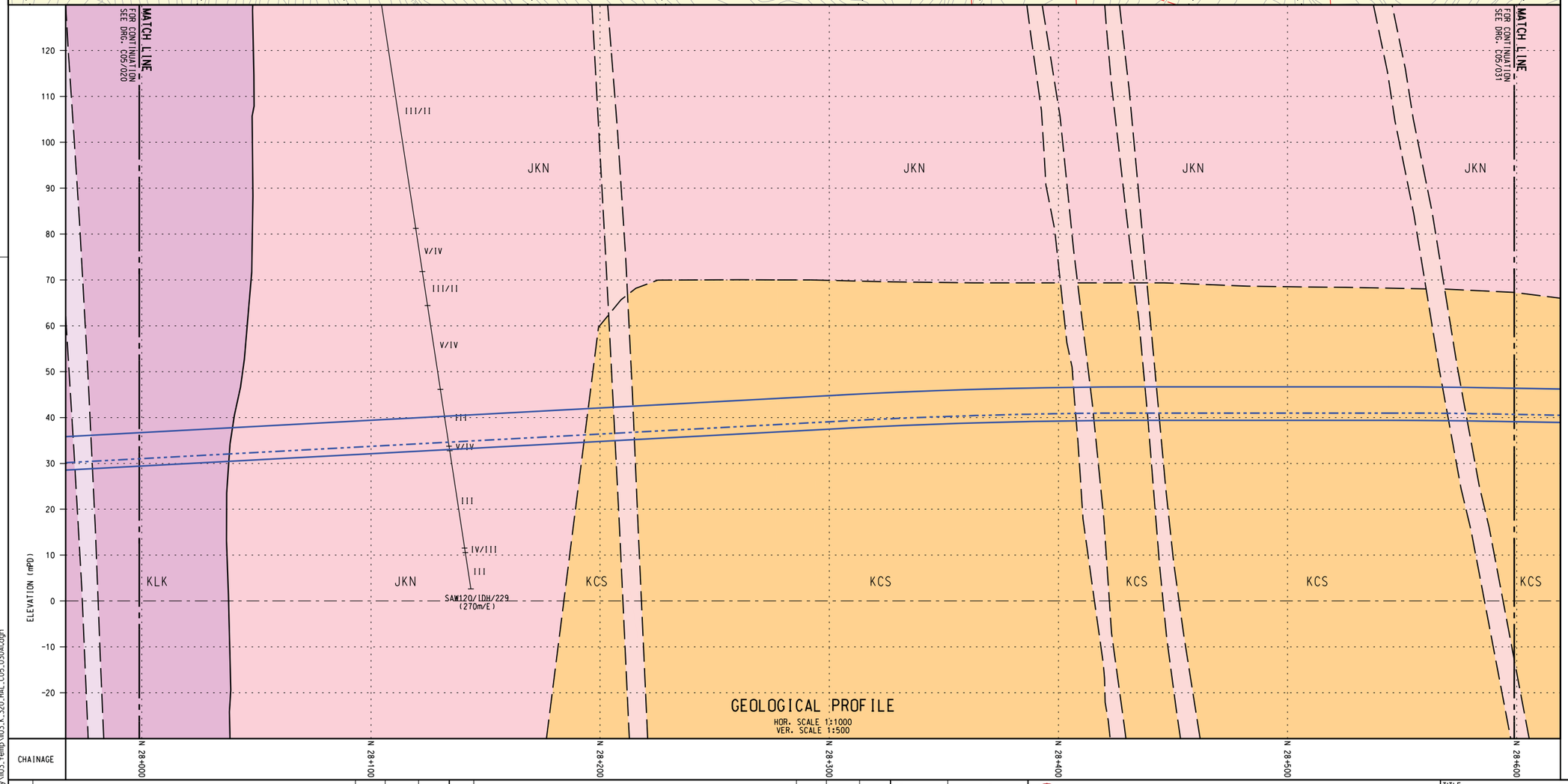


GEOLOGICAL PROFILE
HOR. SCALE 1:1000
VER. SCALE 1:500

MATERIAL TYPE LEGEND

FILL	FILL
MD	MARINE DEPOSITS
COLL	COLLUVIUM
ALL	ALLUVIUM (SAND / GRAVEL)
ALL	ALLUVIUM (SILT / CLAY)

LEGEND FOR TOPOGRAPHIC

- - -	PHOTOLINEAMENT BASED ON API

KOWLOON GRANITE :

CDG	GRADE VI, V AND IV
KLK	GRADE III OR BETTER

SHUI CHUEN O'GRANITE :

CDG	GRADE VI, V AND IV
KCS	GRADE III OR BETTER

TEI TONG TSUI QUARTZ MONZONITE :

CDG	GRADE VI, V AND IV
KLT	GRADE III OR BETTER

NEEDLE HILL GRANITE :

CDG	GRADE VI, V AND IV
JKN	GRADE III OR BETTER

DYKE

BASALT

GRADE IV/III OR CORESTONE CONCENTRATION

INFERRED GROUNDWATER LEVEL (HIGHEST)

HIGHEST GROUNDWATER LEVEL MEASURED IN STANDPIPE

HIGHEST GROUNDWATER LEVEL MEASURED IN PIEZOMETER

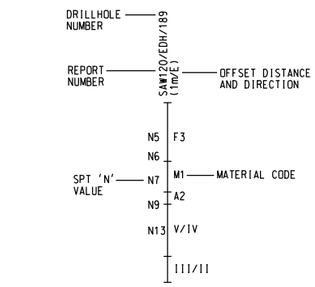
INFERRED GEOLOGICAL BOUNDARY / WEATHERING GRADE

UNCERTAIN GEOLOGICAL BOUNDARY / WEATHERING GRADE

POSSIBLE SHEAR / MINOR FAULT ZONE (FROM PHOTOLINEAMENTS / GEOLOGICAL MAP OR BOREHOLES)

BOREHOLE LOG LEGEND

1	VERY SOFT TO SOFT CLAY / SILT
2	FIRM TO STIFF CLAY / SILT
3	SAND
4	COBBLES / GRAVEL / BOULDERS
F	FILL
C, COLL	COLLUVIUM
DFD	DEBRIS FLOW DEPOSITS
A, ALL	ALLUVIUM
VI, RS	RESIDUAL SOIL
V, CDG	COMPLETELY DECOMPOSED GRANITE / QUARTZ MONZONITE
IV, HDG	HIGHLY DECOMPOSED GRANITE / QUARTZ MONZONITE
III, MDG	MODERATELY DECOMPOSED GRANITE / QUARTZ MONZONITE
II, SDG	SIGHTLY DECOMPOSED GRANITE / QUARTZ MONZONITE
I	FRESH GRANITE / QUARTZ MONZONITE
◯	CORESTONE
Qzm	QUARTZ MONZONITE
Ba	BASALT
Sy	SYENITE
Ry	RHYOLITE
My	MYLONITE
Bre	BRECCIA
Peg	PEGMATITE



NOTES

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DESIGNED	DY
CHECKED	CG
APPROVED	MC
DATE	06/SEP/2011

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MTR

SHATIN TO CENTRAL LINK

ORIGINATOR
Halcrow
in association with TFP Farrells, Hyder, DLS, MVA, ERM, and Evans and Peak

CADD REF. 1103_K_320_HAL_C05_030A1.DGN

TITLE
CONTRACT 1103
HIN KENG TO DIAMOND HILL TUNNELS
GENERAL FOR HIN KENG TO DIAMOND HILL
GEOLOGICAL LONGITUDINAL SECTION SHEET 8
FIGURE A-18

SCALE AS SHOWN (A1)
DRAWING NO. 1103/K/320/HAL/C05/030
REV. A1

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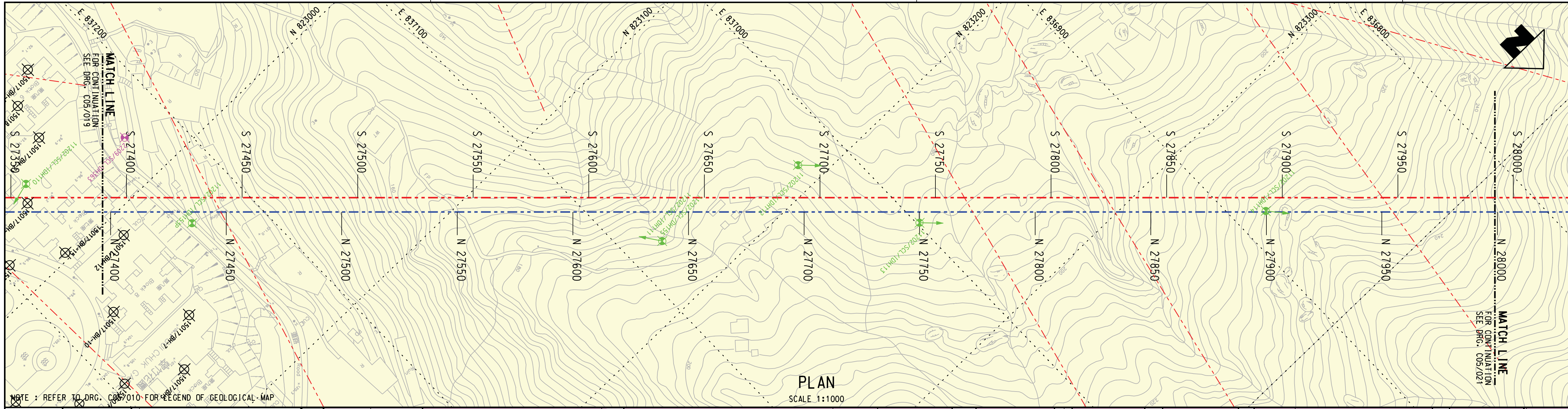

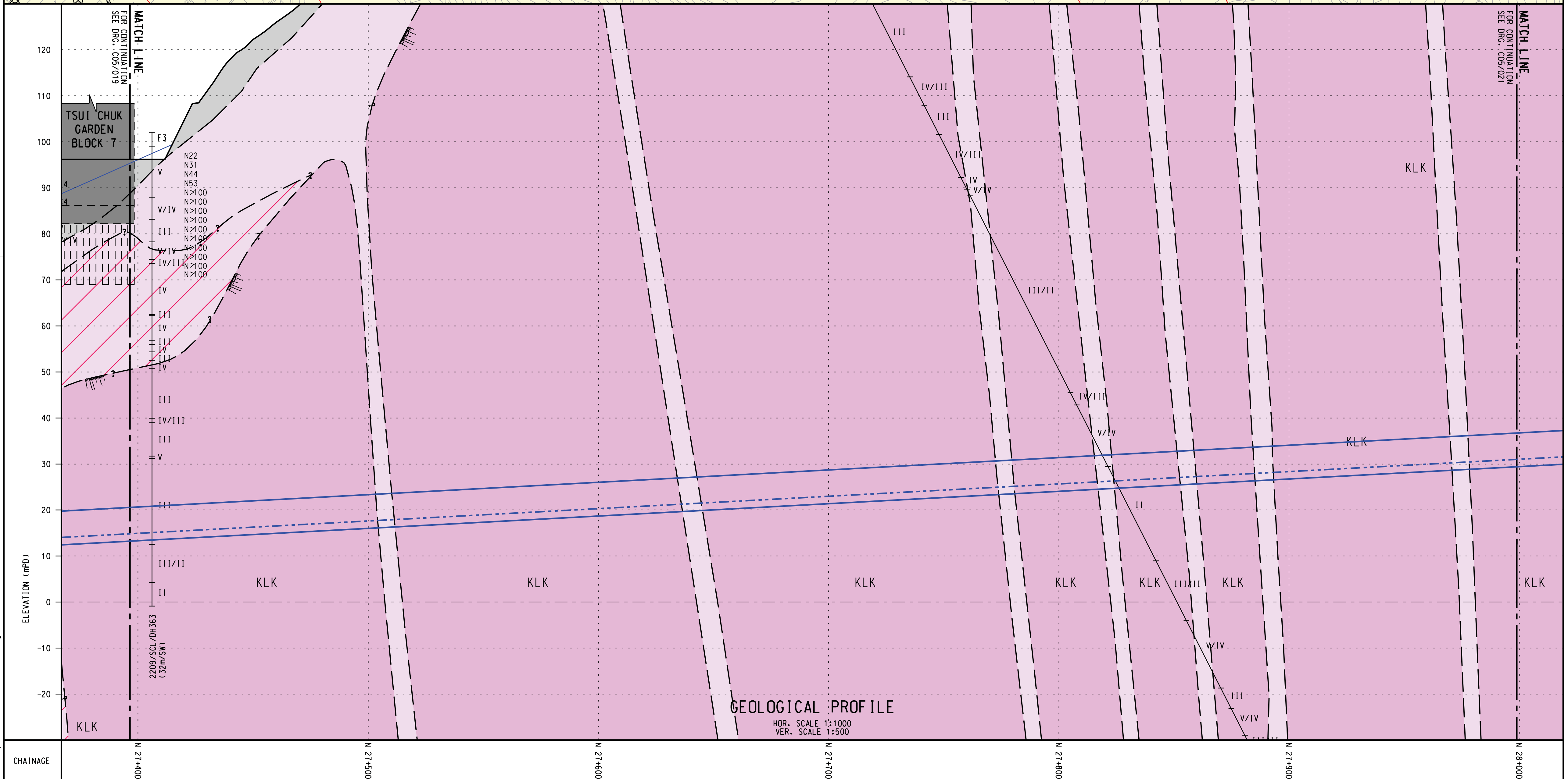

MATERIAL TYPE LEGEND

FILL	FILL
MD	MARINE DEPOSITS
COLL	COLLUVIUM
ALL	ALLUVIUM (SAND / GRAVEL)
ALL	ALLUVIUM (SILT / CLAY)

KOWLOON GRANITE :

CDG	GRADE VI, V AND IV
KLK	GRADE III OR BETTER

SHUI CHUEN O'GRANITE :

CDG	GRADE VI, V AND IV
KCS	GRADE III OR BETTER

TEI TONG TSUI QUARTZ MONZONITE :

CDG	GRADE VI, V AND IV
KLT	GRADE III OR BETTER

NEEDLE HILL GRANITE :

CDG	GRADE VI, V AND IV
JKN	GRADE III OR BETTER

DYKE

BASALT

GRADE IV/III OR CORESTONE CONCENTRATION

LEGEND FOR TOPOGRAPHIC

PHOTOLINEAMENT BASED ON API

INFERRED GROUNDWATER LEVEL (HIGHEST)

HIGHEST GROUNDWATER LEVEL MEASURED IN STANDPIPE

HIGHEST GROUNDWATER LEVEL MEASURED IN PIEZOMETER

INFERRED GEOLOGICAL BOUNDARY / WEATHERING GRADE

UNCERTAIN GEOLOGICAL BOUNDARY / WEATHERING GRADE

POSSIBLE SHEAR / MINOR FAULT ZONE (FROM PHOTOLINEAMENTS / GEOLOGICAL MAP OR BOREHOLES)

BOREHOLE LOG LEGEND

1	VERY SOFT TO SOFT CLAY / SILT
2	FIRM TO STIFF CLAY / SILT
3	SAND
4	COBBLES / GRAVEL / BOULDERS
F	FILL
C, COLL	COLLUVIUM
DFD	DEBRIS FLOW DEPOSITS
A, ALL	ALLUVIUM
VI, RS	RESIDUAL SOIL
V, CDG	COMPLETELY DECOMPOSED GRANITE / QUARTZ MONZONITE
IV, HDG	HIGHLY DECOMPOSED GRANITE / QUARTZ MONZONITE
III, MDG	MODERATELY DECOMPOSED GRANITE / QUARTZ MONZONITE
II, SDG	SIGHTLY DECOMPOSED GRANITE / QUARTZ MONZONITE
I	FRESH GRANITE / QUARTZ MONZONITE
⬭	CORESTONE
Qzm	QUARTZ MONZONITE
Ba	BASALT
Sy	SYENITE
Ry	RHYOLITE
My	MYLONITE
Bre	BRECCIA
Peg	PEGMATITE

DRILLHOLE NUMBER — SAW120/EDH/189

REPORT NUMBER — OFFSET DISTANCE AND DIRECTION (1m/E)

N5 F3
N6
SPT 'N' VALUE — N7 M1 — MATERIAL CODE
A2
N9
N13 V/IV
III/II

NOTES

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3. HIGHEST MEASURED GROUNDWATER LEVEL BASED ON MONITORING DATA AVAILABLE.

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MTR

SHATIN TO CENTRAL LINK

ORIGINATOR

Halcrow

in association with TFP Farrells, Hyder, DLS, MVA, ERM, and Evans and Peak

CADD REF. 1103_K_320_HAL_C05_020A1.DGN

TITLE

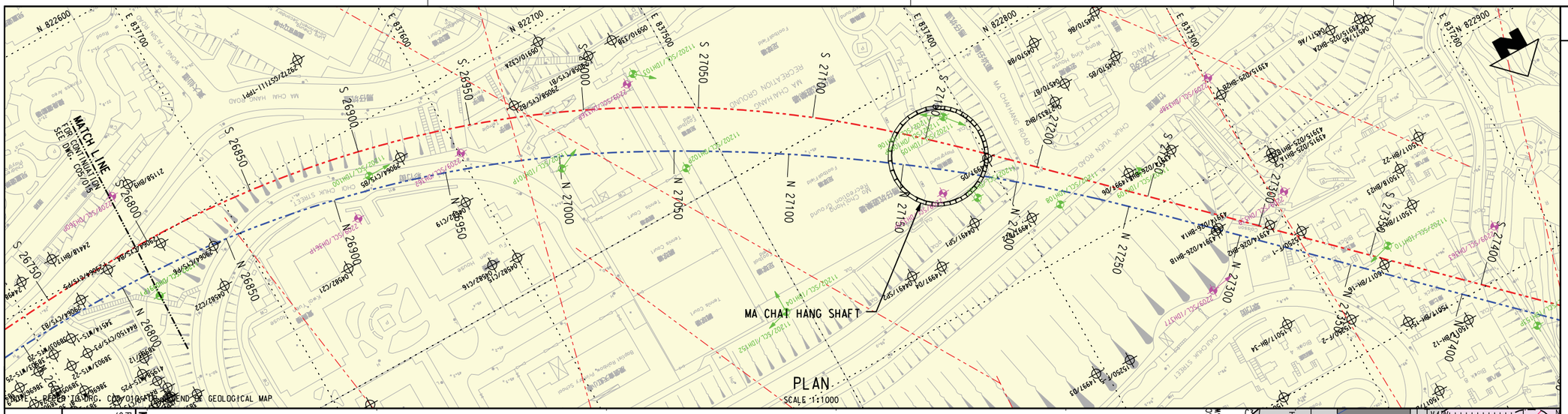
CONTRACT 1103
HIN KENG TO DIAMOND HILL TUNNELS
GENERAL FOR HIN KENG TO DIAMOND HILL
GEOLOGICAL LONGITUDINAL SECTION SHEET 7

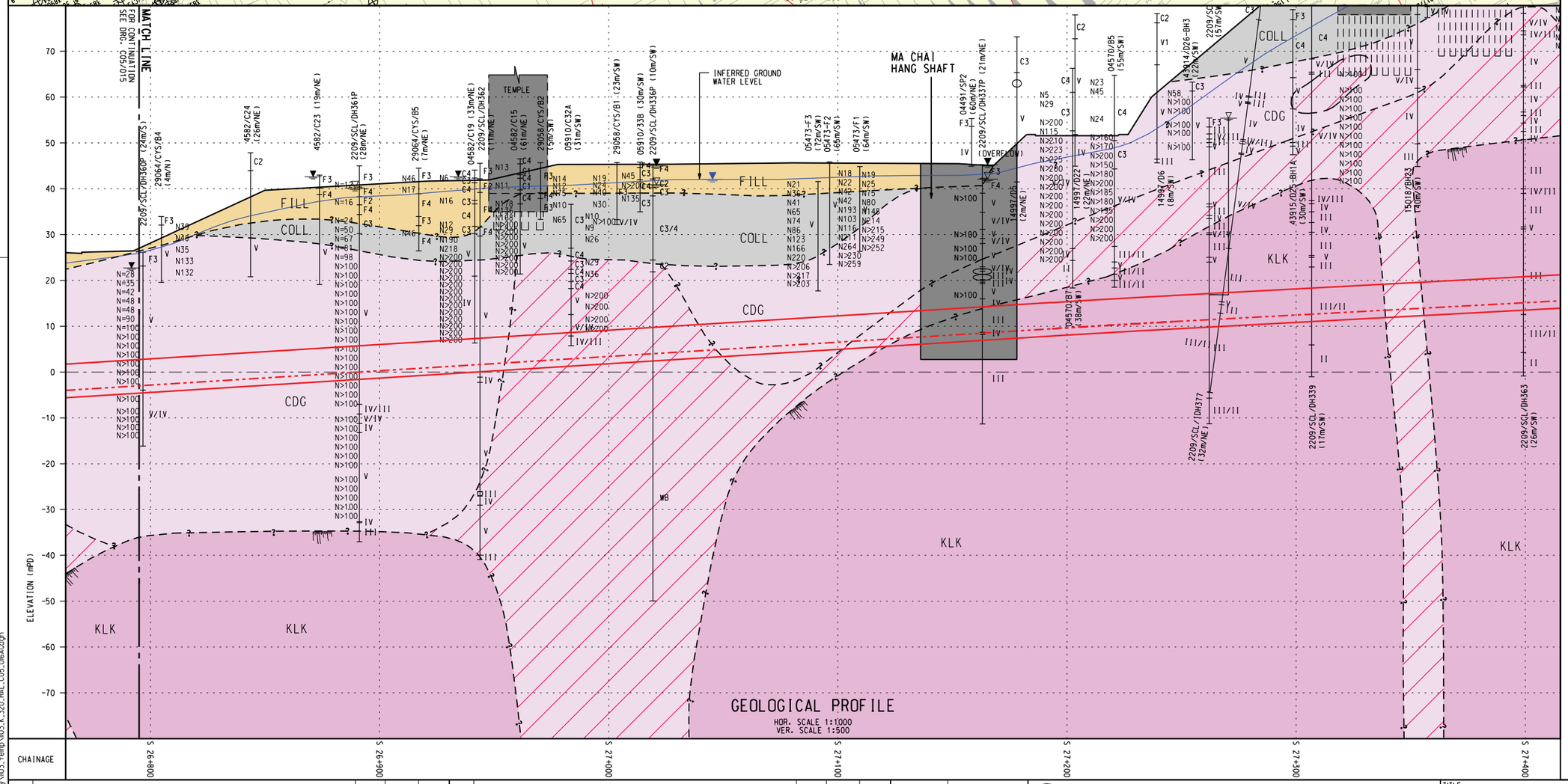
FIGURE A-17

SCALE AS SHOWN (A1)

DRAWING NO. 1103/K/320/HAL/C05/020

REV. A1





MATERIAL TYPE LEGEND

FILL	FILL
MD	MARINE DEPOSITS
COLL	COLLUVIUM
ALL	ALLUVIUM (SAND / GRAVEL)
ALL	ALLUVIUM (SILT / CLAY)

LEGEND FOR TOPOGRAPHIC

- PHOTOLINEAMENT BASED ON API

KOWLOON GRANITE :		SHUI CHUEN O'GRANITE :	
CDG	GRADE VI, V AND IV	CDG	GRADE VI, V AND IV
KLK	GRADE III OR BETTER	KCS	GRADE III OR BETTER
TEI TONG TSUI QUARTZ MONZONITE :		**NEEDLE HILL GRANITE :**	
CDG	GRADE VI, V AND IV	CDG	GRADE VI, V AND IV
KLT	GRADE III OR BETTER	JKN	GRADE III OR BETTER

- DYKE
- BASALT
- GRADE IV/III OR CORESTONE CONCENTRATION
- INFERRED GROUNDWATER LEVEL (HIGHEST)
- HIGHEST GROUNDWATER LEVEL MEASURED IN STANDPIPE
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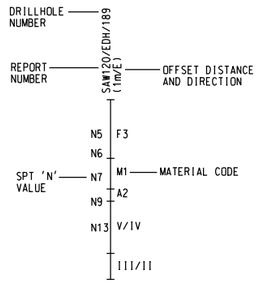

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SHATIN TO CENTRAL LINK

ORIGINATOR: Halcrow in association with TFP Farrells, Hyder, DLS, MVA, ERM, and Evans and Peak

CADD REF. 1103_K_320_HAL_C05_016A1.DGN

TITLE
CONTRACT 1103
HIN KENG TO DIAMOND HILL TUNNELS
GENERAL FOR HIN KENG TO DIAMOND HILL
GEOLOGICAL LONGITUDINAL SECTION SHEET 3
TBM UPTRACK 3

FIGURE A-13

SCALE: AS SHOWN (A1)
DRAWING NO. 1103/K/320/HAL/C05/016
REV. A1

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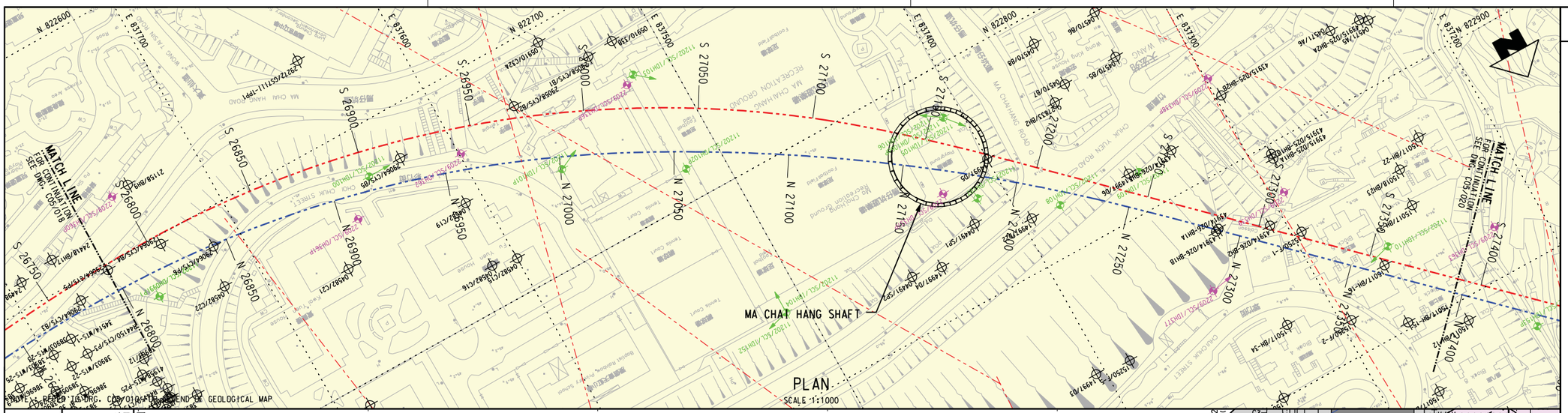

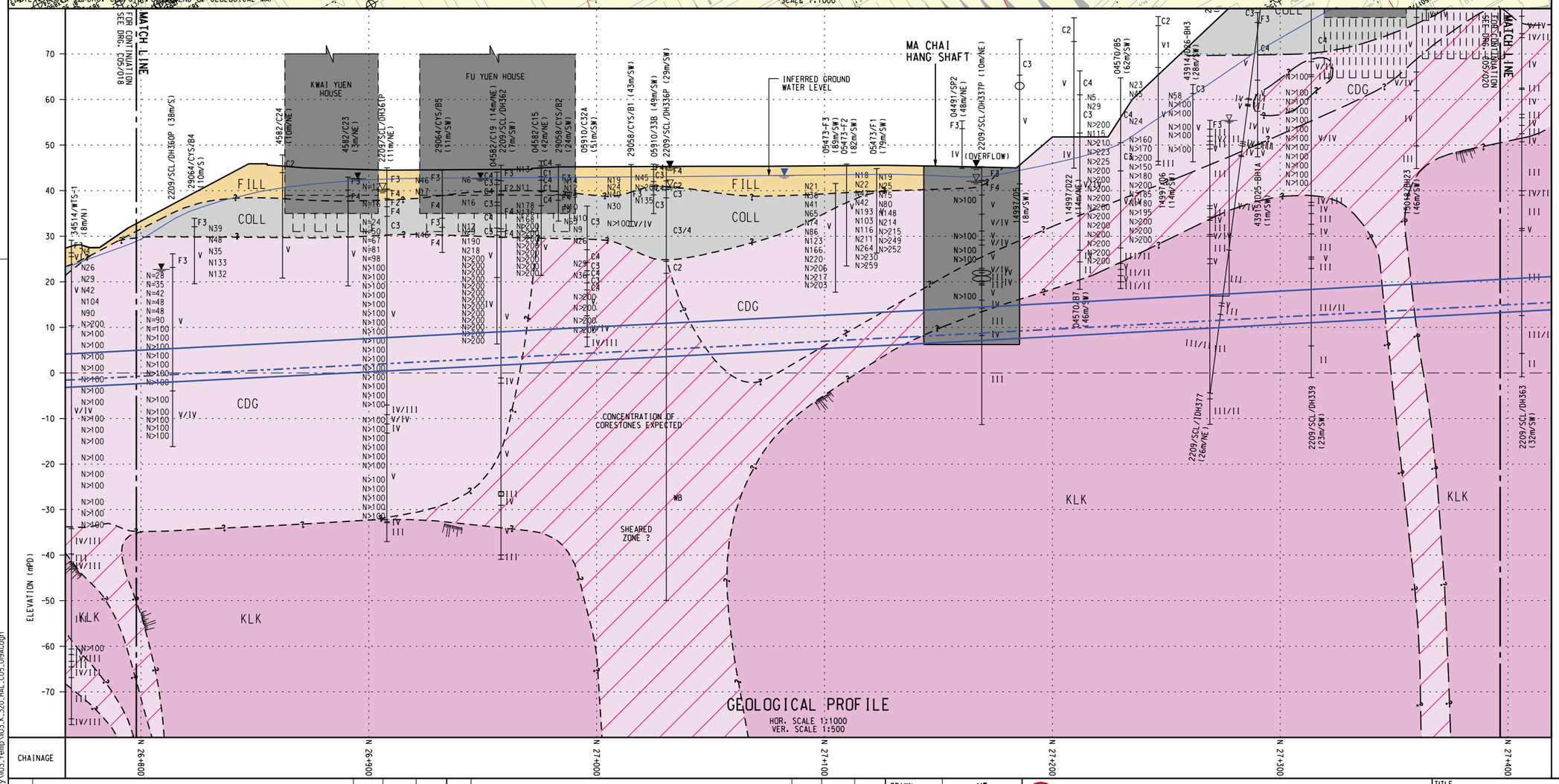

MATERIAL TYPE LEGEND

FILL	FILL
MD	MARINE DEPOSITS
COLL	COLLUVIUM
ALL	ALLUVIUM (SAND / GRAVEL)
ALL	ALLUVIUM (SILT / CLAY)

LEGEND FOR TOPOGRAPHIC

PHOTOLINEAMENT BASED ON API

KOWLOON GRANITE :		SHUI CHUEN O'GRANITE :	
CDG	GRADE VI, V AND IV	CDG	GRADE VI, V AND IV
KLK	GRADE III OR BETTER	KCS	GRADE III OR BETTER
TEI TONG TSUI QUARTZ MONZONITE :		**NEEDLE HILL GRANITE :**	
CDG	GRADE VI, V AND IV	CDG	GRADE VI, V AND IV
KLT	GRADE III OR BETTER	JKN	GRADE III OR BETTER

DYKE

BASALT

GRADE IV/III OR CORESTONE CONCENTRATION

INFERRED GROUNDWATER LEVEL (HIGHEST)

HIGHEST GROUNDWATER LEVEL MEASURED IN STANDPIPE

HIGHEST GROUNDWATER LEVEL MEASURED IN PIEZOMETER

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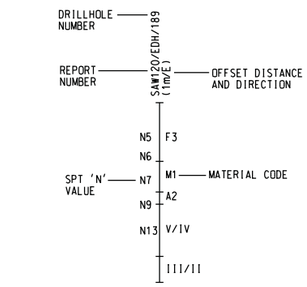
My	MYLONITE
Bre	BRECCIA
Peg	PEGMATITE



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SHATIN TO CENTRAL LINK

ORIGINATOR Halcrow in association with TFP Farrells, Hyder, DLS, MVA, ERM, and Evans and Peak

CADD REF. 1103_K_320_HAL_C05_019A1.DGN

TITLE

CONTRACT 1103
HIN KENG TO DIAMOND HILL TUNNELS
GENERAL FOR HIN KENG TO DIAMOND HILL
GEOLOGICAL LONGITUDINAL SECTION SHEET 6
TBM DOWNTRACK 3

FIGURE A-16

SCALE AS SHOWN (A1)

DRAWING NO. 1103/K/320/HAL/C05/019

REV. A1

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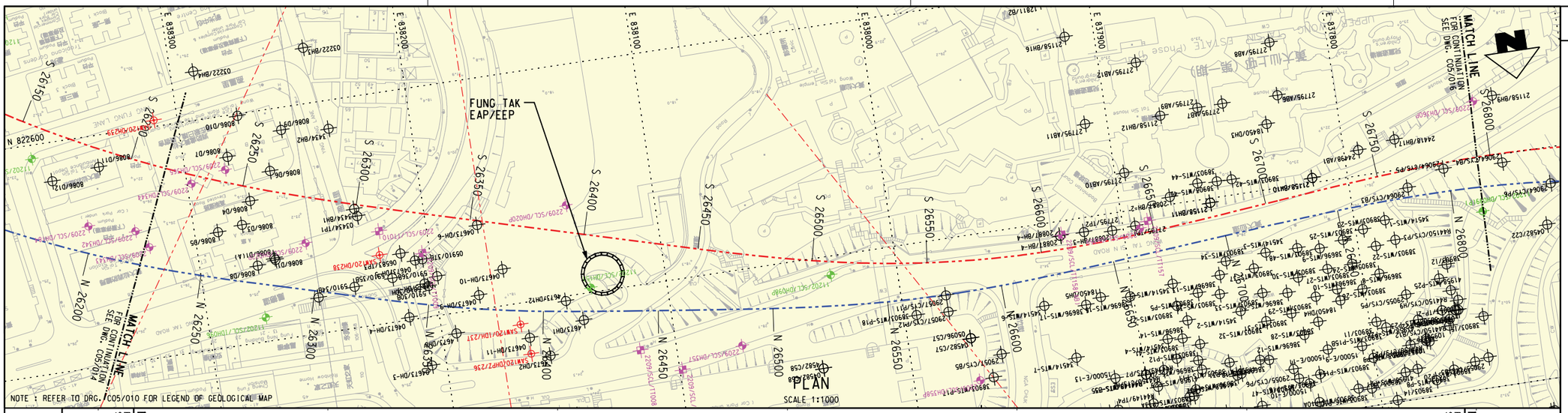

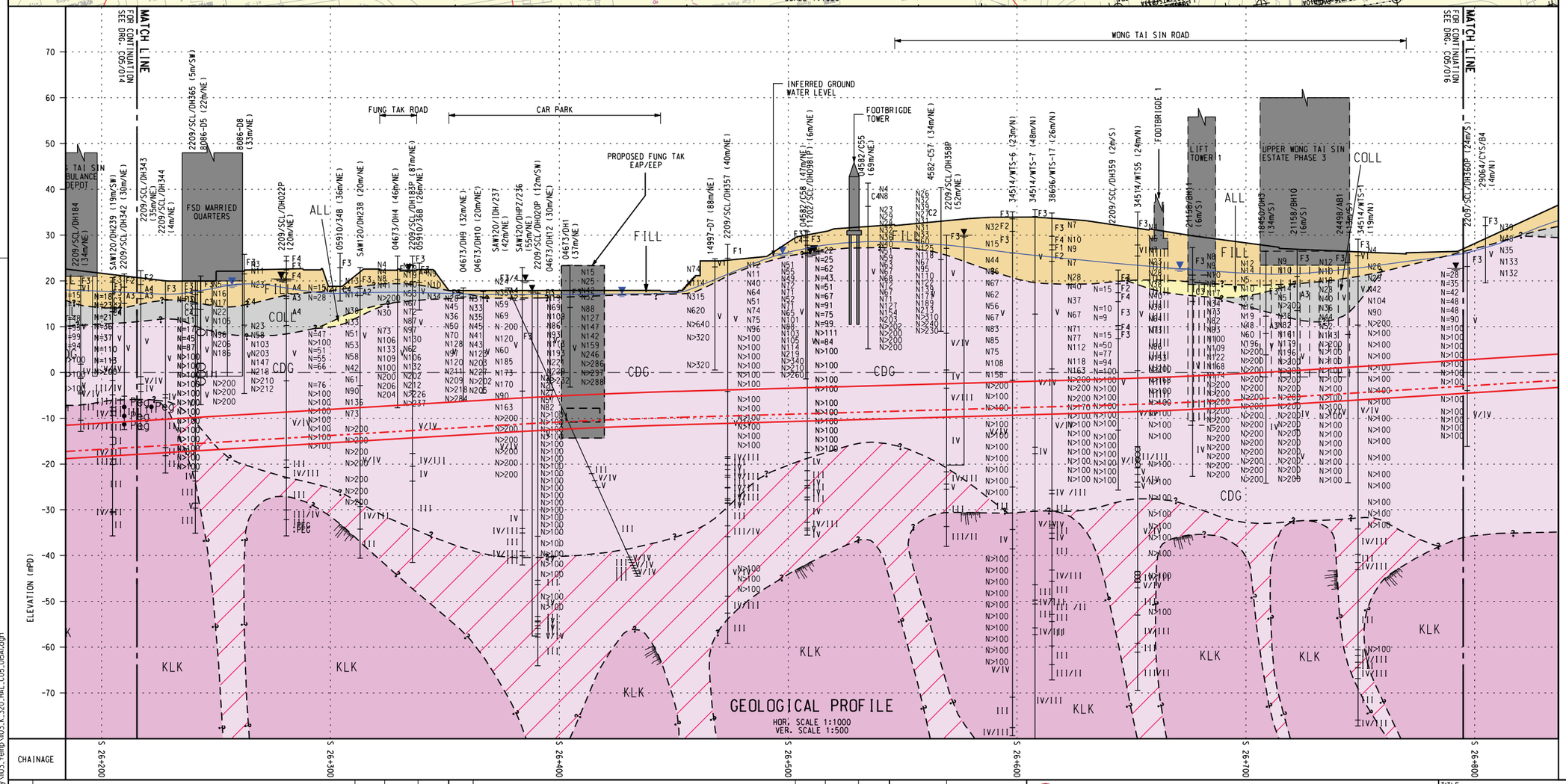

MATERIAL TYPE LEGEND

FILL	FILL
MD	MARINE DEPOSITS
COLL	COLLUVIUM
ALL	ALLUVIUM (SAND / GRAVEL)
ALL	ALLUVIUM (SILT / CLAY)

LEGEND FOR TOPOGRAPHIC

	PHOTOLINEAMENT BASED ON API

KOWLOON GRANITE :

CDG	GRADE VI, V AND IV
KLK	GRADE III OR BETTER

SHUI CHUEN O'GRANITE :

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KCS	GRADE III OR BETTER

TEI TONG TSUI QUARTZ MONZONITE :

CDG	GRADE VI, V AND IV
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NEEDLE HILL GRANITE :

CDG	GRADE VI, V AND IV
JKN	GRADE III OR BETTER

	DYKE
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	INFERRED GROUNDWATER LEVEL (HIGHEST)
	HIGHEST GROUNDWATER LEVEL MEASURED IN STANDPIPE
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Sy	SYENITE
Ry	RHYOLITE
My	MYLONITE
Bre	BRECCIA
Peg	PEGMATITE

DRILLHOLE NUMBER — REPORT NUMBER — OFFSET DISTANCE AND DIRECTION

SAW120/EDH/189 (1mE)

SPT 'N' VALUE — N5 F3 / N6 / N7 M1 — MATERIAL CODE / A2 / N9 / N13 V/IV / III/II

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SHATIN TO CENTRAL LINK

ORIGINATOR: Halcrow in association with TFP Farrells, Hyder, DLS, MVA, ERM, and Evans and Peak

CADD REF. 1103_K_320_HAL_C05_015A1.DGN

TITLE

CONTRACT 1103
HIN KENG TO DIAMOND HILL TUNNELS
GENERAL FOR HIN KENG TO DIAMOND HILL
GEOLOGICAL LONGITUDINAL SECTION SHEET 2
TBM UPTRACK 2

FIGURE A-12

SCALE	DRAWING NO.	REV.
AS SHOWN (A1)	1103/K/320/HAL/C05/015	A1

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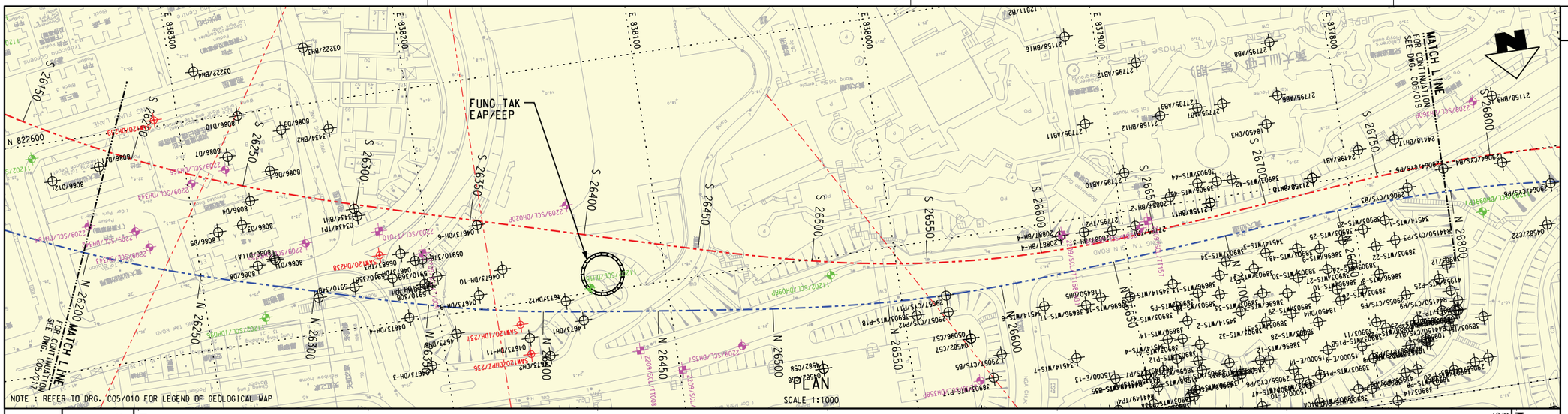

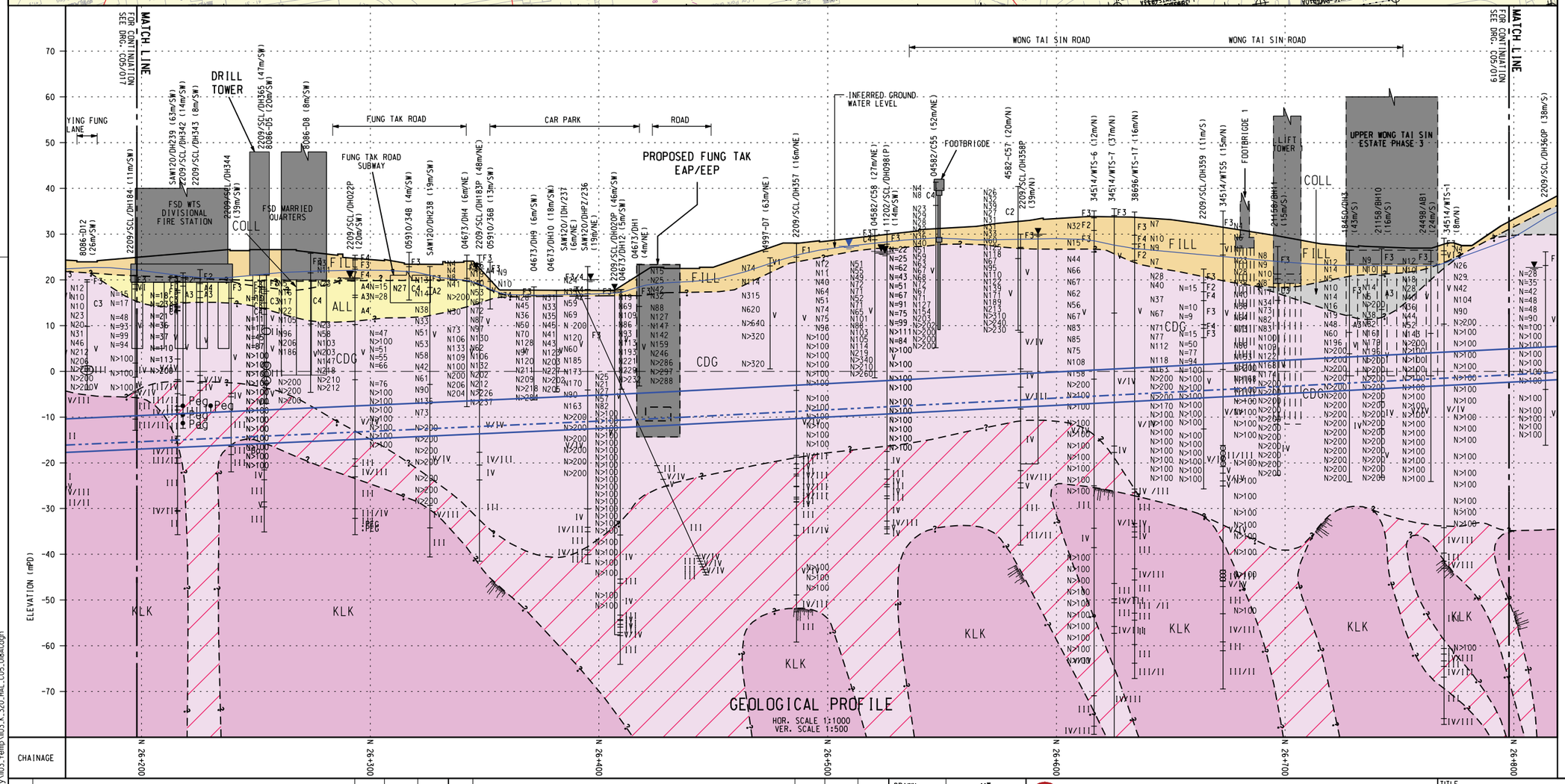

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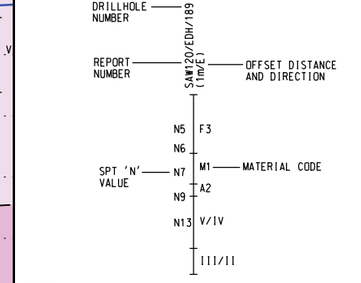

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SHATIN TO CENTRAL LINK

ORIGINATOR

Halcrow in association with TFP Farrells, Hyder, DLS, MVA, ERM, and Evans and Peak

CADD REF. 1103_K_320_HAL_C05_018A1.DGN

TITLE

CONTRACT 1103
HIN KENG TO DIAMOND HILL TUNNELS
GENERAL FOR HIN KENG TO DIAMOND HILL
GEOLOGICAL LONGITUDINAL SECTION SHEET 5
TBM DOWNTRACK 2

FIGURE A-15

SCALE AS SHOWN (A1)

DRAWING NO. 1103/K/320/HAL/C05/018

REV. A1

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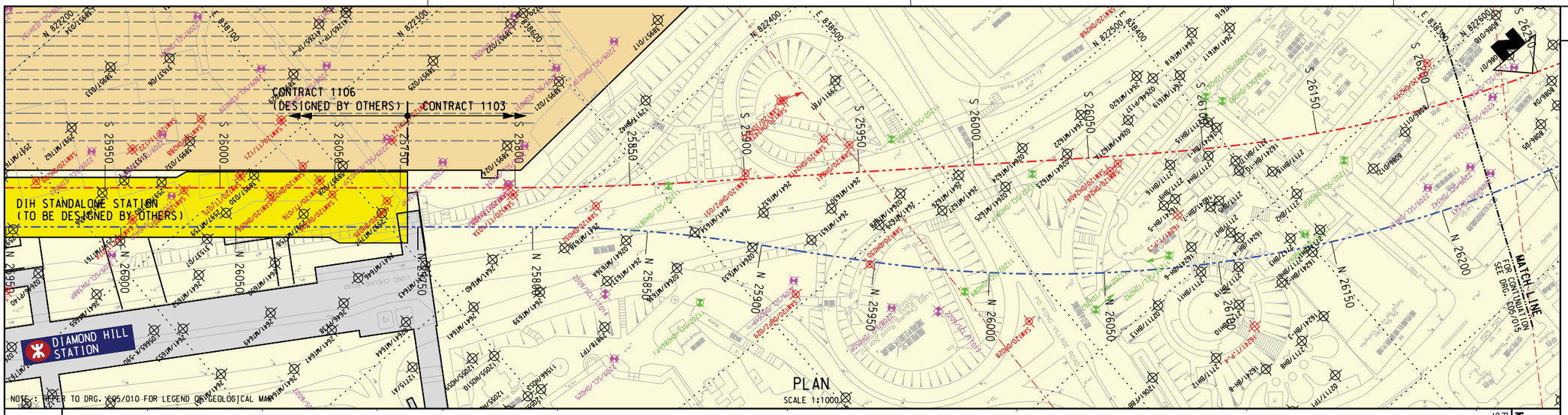

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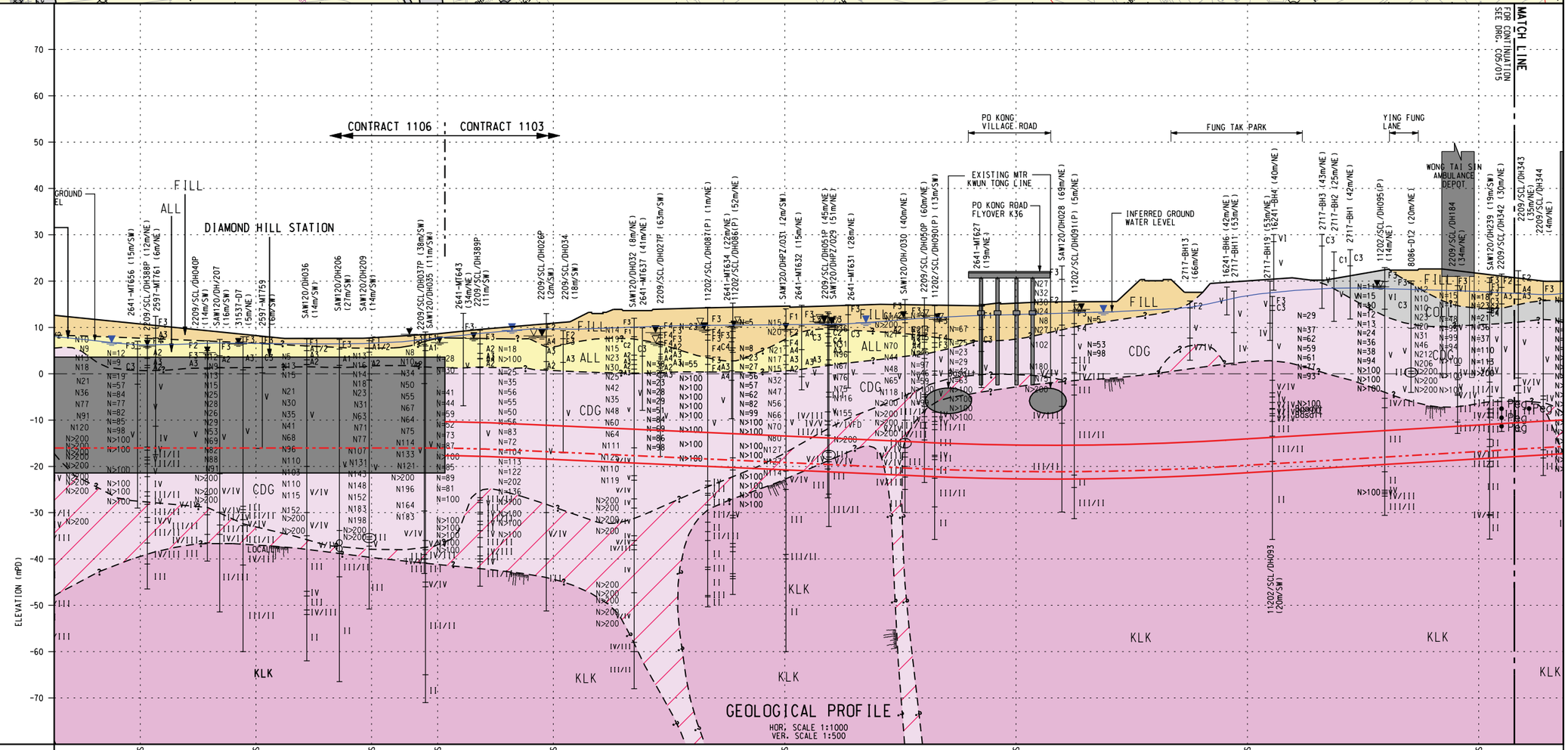


GEOLOGICAL PROFILE
HOR. SCALE 1:1000
VER. SCALE 1:500

MATERIAL TYPE LEGEND

FILL	FILL
MD	MARINE DEPOSITS
COLL	COLLUVIUM
ALL	ALLUVIUM (SAND / GRAVEL)
ALL	ALLUVIUM (SILT / CLAY)

LEGEND FOR TOPOGRAPHIC

	PHOTOLINEAMENT BASED ON API

KOWLOON GRANITE :

CDG	GRADE VI, V AND IV
KLK	GRADE III OR BETTER

SHUI CHUEN O'GRANITE :

CDG	GRADE VI, V AND IV
KCS	GRADE III OR BETTER

TEI TONG TSUI QUARTZ MONZONITE :

CDG	GRADE VI, V AND IV
KLT	GRADE III OR BETTER

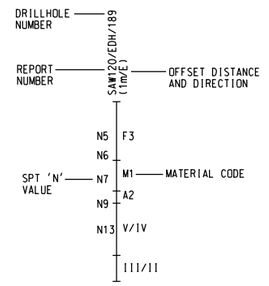
NEEDLE HILL GRANITE :

CDG	GRADE VI, V AND IV
JKN	GRADE III OR BETTER

	DYKE
	BASALT
	GRADE IV/III OR CORESTONE CONCENTRATION
	INFERRED GROUNDWATER LEVEL (HIGHEST)
	HIGHEST GROUNDWATER LEVEL MEASURED IN STANDPIPE
	HIGHEST GROUNDWATER LEVEL MEASURED IN PIEZOMETER
	INFERRED GEOLOGICAL BOUNDARY / WEATHERING GRADE
	UNCERTAIN GEOLOGICAL BOUNDARY / WEATHERING GRADE
	POSSIBLE SHEAR / MINOR FAULT ZONE (FROM PHOTOLINEAMENTS / GEOLOGICAL MAP OR BOREHOLES)

BOREHOLE LOG LEGEND

1	VERY SOFT TO SOFT CLAY / SILT
2	FIRM TO STIFF CLAY / SILT
3	SAND
4	COBBLES / GRAVEL / BOULDERS
F	FILL
C, COLL	COLLUVIUM
DFD	DEBRIS FLOW DEPOSITS
A, ALL	ALLUVIUM
VI, RS	RESIDUAL SOIL
V, CDG	COMPLETELY DECOMPOSED GRANITE / QUARTZ MONZONITE
IV, HDG	HIGHLY DECOMPOSED GRANITE / QUARTZ MONZONITE
III, MDG	MODERATELY DECOMPOSED GRANITE / QUARTZ MONZONITE
II, SDG	SIGHTLY DECOMPOSED GRANITE / QUARTZ MONZONITE
I	FRESH GRANITE / QUARTZ MONZONITE
	CORESTONE
Qzm	QUARTZ MONZONITE
Ba	BASALT
Sy	SYENITE
Ry	RHYOLITE
My	MYLONITE
Bre	BRECCIA
Peg	PEGMATITE



NOTES

1. DESCRIPTION & CLASSIFICATION OF SOIL & ROCK IS BASED ON DEFINITIONS & SYSTEMS OUTLINED IN BS 5930.
2. THE ACTUAL GROUND CONDITIONS ENCOUNTERED DURING CONSTRUCTION SHALL BE DETERMINED BY THE GEOLOGIST ON SITE. THESE SHALL BE COMPARED AND VERIFIED WITH THE PROPOSED GROUND CONDITIONS. THE ACTUAL GROUND CONDITIONS AND POSSIBLE CHANGES SHALL BE PRESENTED AT THE DAILY MONITORING REVIEW MEETING.
3. HIGHEST MEASURED GROUNDWATER LEVEL BASED ON MONITORING DATA AVAILABLE.

NOTE : THIS LONGITUDINAL SECTION IS A GEOLOGICAL INTERPRETATION ONLY. GEOLOGICAL BOUNDARIES ARE BASED ON THE INFORMATION AND DATA AVAILABLE AT EXPLORATORY HOLE LOCATIONS ONLY AND ARE SUBJECT TO CHANGE AS MORE INFORMATION BECOMES AVAILABLE.

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REV	DESCRIPTION	BY	DATE	APPROVED
A1	FIRST ISSUE	DY	06SEP11	MC

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DATE	06/SEP/2011

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MTR

SHATIN TO CENTRAL LINK

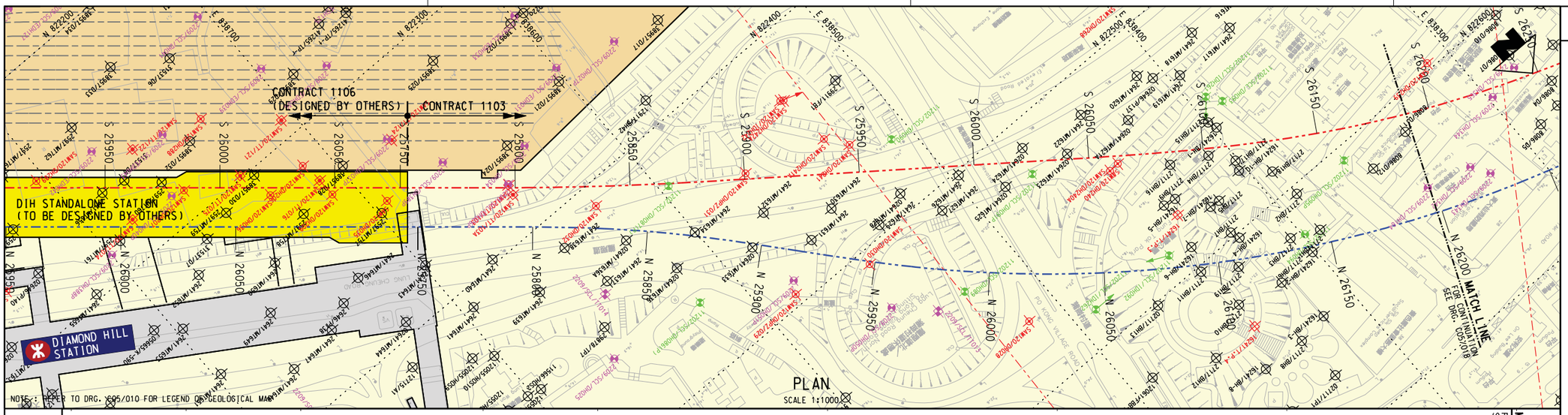
ORIGINATOR Halcrow in association with TFP Farrells, Hyder, DLS, MVA, ERM, and Evans and Peak

CADD REF. 1103_K_320_HAL_C05_014A1.DGN

TITLE
CONTRACT 1103
HIN KENG TO DIAMOND HILL TUNNELS
GENERAL FOR HIN KENG TO DIAMOND HILL
GEOLOGICAL LONGITUDINAL SECTION SHEET 1
TBM UPTRACK 1

FIGURE A-11

SCALE AS SHOWN (A1)
DRAWING NO. 1103/K/320/HAL/C05/014
REV. A1



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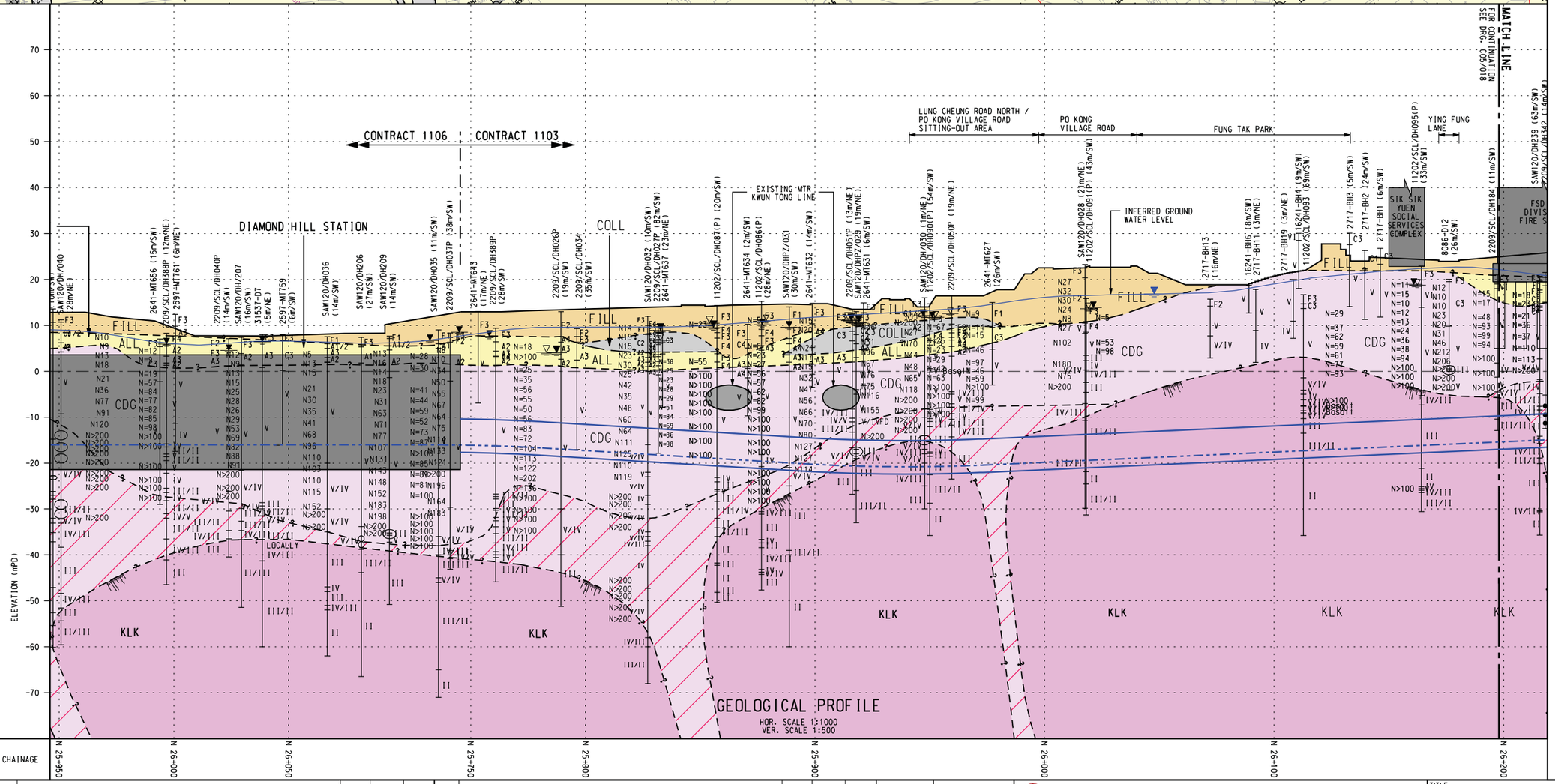

MATERIAL TYPE LEGEND

FILL	FILL
MD	MARINE DEPOSITS
COLL	COLLUVIUM
ALL	ALLUVIUM (SAND / GRAVEL)
ALL	ALLUVIUM (SILT / CLAY)

LEGEND FOR TOPOGRAPHIC

PHOTOLINEAMENT BASED ON API

KOWLOON GRANITE :

CDG	GRADE VI, V AND IV
KLK	GRADE III OR BETTER

SHUI CHUEN O'GRANITE :

CDG	GRADE VI, V AND IV
KCS	GRADE III OR BETTER

TEI TONG TSUI QUARTZ MONZONITE :

CDG	GRADE VI, V AND IV
KLT	GRADE III OR BETTER

NEEDLE HILL GRANITE :

CDG	GRADE VI, V AND IV
JKN	GRADE III OR BETTER

DYKE

BASALT

GRADE IV/III OR CORESTONE CONCENTRATION

INFERRED GROUNDWATER LEVEL (HIGHEST)

HIGHEST GROUNDWATER LEVEL MEASURED IN STANDPIPE

HIGHEST GROUNDWATER LEVEL MEASURED IN PIEZOMETER

INFERRED GEOLOGICAL BOUNDARY / WEATHERING GRADE

UNCERTAIN GEOLOGICAL BOUNDARY / WEATHERING GRADE

POSSIBLE SHEAR / MINOR FAULT ZONE (FROM PHOTOLINEAMENTS / GEOLOGICAL MAP OR BOREHOLES)

BOREHOLE LOG LEGEND

1	VERY SOFT TO SOFT CLAY / SILT
2	FIRM TO STIFF CLAY / SILT
3	SAND
4	COBBLES / GRAVEL / BOULDERS
F	FILL
C, COLL	COLLUVIUM
DFD	DEBRIS FLOW DEPOSITS
A, ALL	ALLUVIUM
VI, RS	RESIDUAL SOIL
V, CDG	COMPLETELY DECOMPOSED GRANITE / QUARTZ MONZONITE
IV, HDG	HIGHLY DECOMPOSED GRANITE / QUARTZ MONZONITE
III, MDG	MODERATELY DECOMPOSED GRANITE / QUARTZ MONZONITE
II, SDG	SIGHTLY DECOMPOSED GRANITE / QUARTZ MONZONITE
I	FRESH GRANITE / QUARTZ MONZONITE
	CORESTONE
Qzm	QUARTZ MONZONITE
Ba	BASALT
Sy	SYENITE
Ry	RHYOLITE
My	MYLONITE
Bre	BRECCIA
Peg	PEGMATITE

DRILLHOLE NUMBER — SAM120/EDH/189 (1m/E)
REPORT NUMBER — OFFSET DISTANCE AND DIRECTION
SPT 'N' VALUE — N5 F3 / N6 / N7 M1 — MATERIAL CODE / A2 / N9 / N13 V/IV / III/II

NOTES

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3. HIGHEST MEASURED GROUNDWATER LEVEL BASED ON MONITORING DATA AVAILABLE.

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REV	DESCRIPTION	BY	DATE	APPROVED
A1	FIRST ISSUE	DY	06SEP11	MC

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DESIGNED	DY
CHECKED	CG
APPROVED	MC
DATE	06/SEP/2011

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MTR

SHATIN TO CENTRAL LINK

ORIGINATOR Halcrow in association with TFP Farrells, Hyder, DLS, MVA, ERM, and Evans and Peak

CADD REF. 1103_K_320_HAL_C05_017A1.DGN

TITLE
CONTRACT 1103
HIN KENG TO DIAMOND HILL TUNNELS
GENERAL FOR HIN KENG TO DIAMOND HILL
GEOLOGICAL LONGITUDINAL SECTION SHEET 4
TBM DOWNTRACK 1

FIGURE A-14

SCALE AS SHOWN (A1)

DRAWING NO. 1103/K/320/HAL/C05/017

REV. A1

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LEGEND:

	FILL	F	FILL
	COLLUVIUM	C, COLL	COLLUVIUM
	ALLUVIUM	M, MD	MARINE DEPOSITS
	GRANITE (GRADE VI, V AND IV)	A, ALL	ALLUVIUM
	GRANITE (GRADE III OR BETTER)	VI	RESIDUAL SOIL
1	VERY SOFT TO SOFT CLAY / SILT	V	COMPLETELY DECOMPOSED
2	FIRM TO STIFF CLAY / SILT	IV	HIGHLY DECOMPOSED
3	SAND	III	MODERATELY DECOMPOSED
4	COBBLES / GRAVEL / BOULDERS	II	SIGHTLY DECOMPOSED
WB	WASH BORING		

CORESTONE
INFERRED FAULT OR PHOTOGEOLOGICAL LINEAMENT
EXISTING NON-PROJECT SPECIFIC GI
EXISTING MTR SAW DRILLHOLE
EXISTING NEX2209 DRILLHOLE
PROPOSED ADDITIONAL DRILLHOLE (11202/SCL/DH084(P), DH233-235 & 239(P))
EXISTING NEX2209 TRIAL TRENCH
EXISTING MTR SAW TRIAL TRENCH
ADDITIONAL COLLECTED GI IN GIU

DRILLHOLE NUMBER — SAM120/EDH/189 (1m/E)
REPORT NUMBER — OFFSET DISTANCE AND DIRECTION
SPT 'N' VALUE — N5 F3, N6, N7 M1 MATERIAL CODE, A2, N9, N13 V/IV, III/II

KTL DIH
SCL DIH
DHS
GEOLOGICAL LONG-SECTION LINE
SCL (DOWN TRACK)
SCL (UP TRACK)
KTA
HIK

PLAN
SCALE 1 : 1000
0 10 20 30 40 50 METRES 1 : 1000

GEOLOGICAL PROFILE
HOR. SCALE 1 : 1000
VER. SCALE 1 : 500

FEATURE NO. 11NE-A/F429
FEATURE NO. 11NE-A/F428
LUNG CHEUNG ROAD
FEATURE NO. 11NE-A/F271
SCL DIH
TOP OF SAPROLITE
EXISTING GROUND PROFILE
TATE'S CAIRN VIA
EXISTING MTR KWUN TONG LINE
SCL (DOWN TRACK)
INFERRED ROCKHEAD
INFERRED NE-TRENDING FAULT
INFERRED NE-TRENDING FAULT
INFERRED NNE-TRENDING FAULT
INFERRED NE-TRENDING FAULT
INFERRED NNE-TRENDING FAULT
PEG
ELEVATION (mPD)
CHAINAGE
N 26+300
N 26+200
N 26+100
N 26+000
N 25+900
N 25+800
N 25+700
N 25+600

REV	DESCRIPTION	BY	DATE	APPROVED
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DESIGNED	TCC
CHECKED	GDCB
APPROVED	IMW
DATE	12/APR/2010

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SHATIN TO CENTRAL LINK
ORIGINATOR
AECOM in association with Aedas, MVA and DLS
CADD REF. 1106_B_DHS_ACM_C05_001A.dgn

TITLE
CONTRACT 1106
DIH AND DHS
GEOLOGICAL SECTION AND PROFILE OF SCL DIH

SCALE 1 : 1000 (A1)
DRAWING NO. 1106/B/DHS/ACM/C05/001
REV. A

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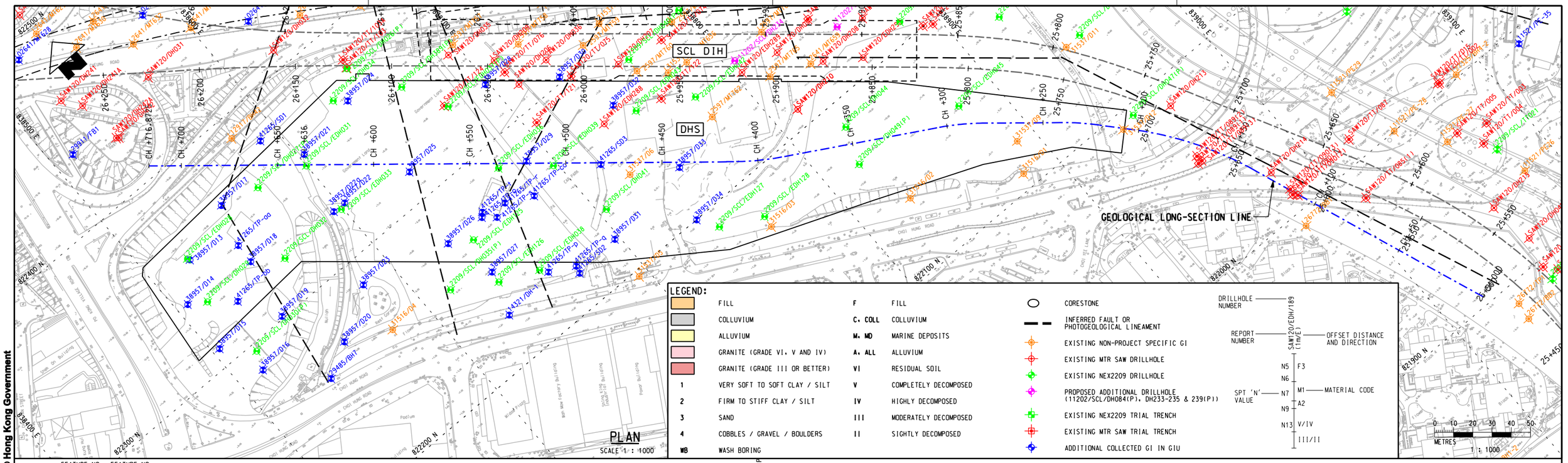

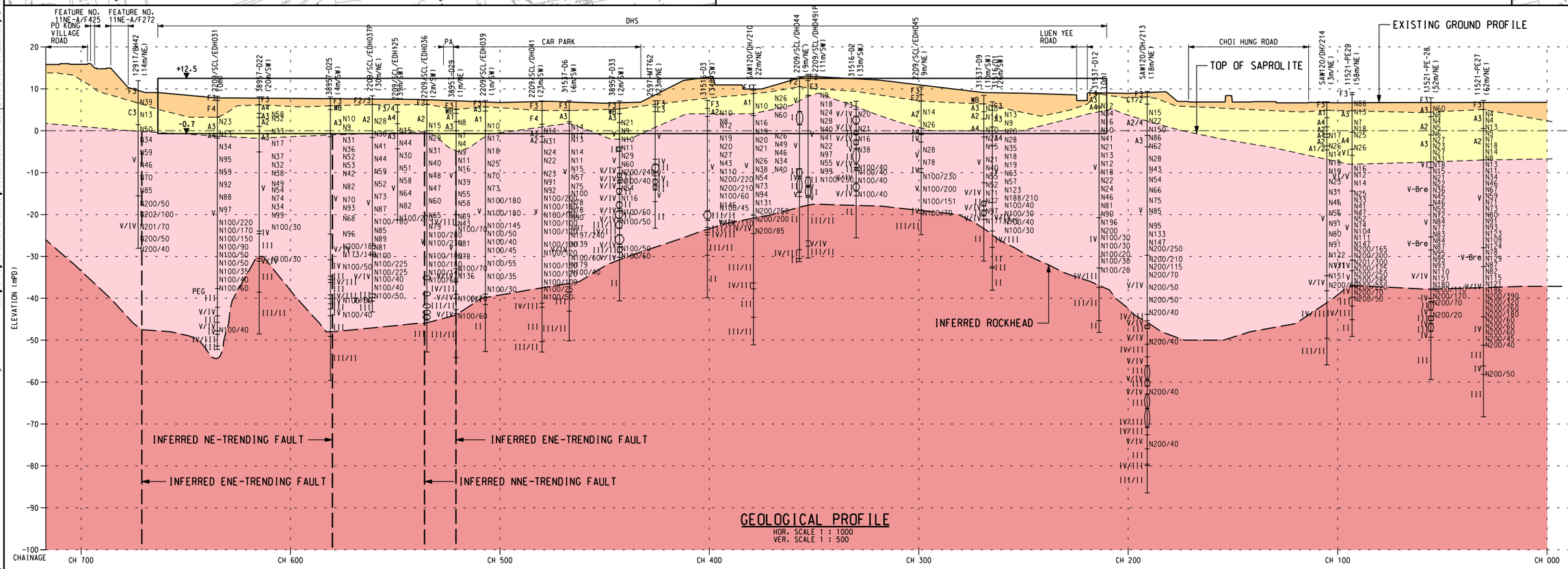

GEOLOGICAL PROFILE

HOR. SCALE 1 : 1000
VER. SCALE 1 : 500

REV	DESCRIPTION	BY	DATE	APPROVED
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DRAWN	BCHF
DESIGNED	TCC
CHECKED	GDCB
APPROVED	IMW
DATE	12/APR/2010

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MTR

SHATIN TO CENTRAL LINK

ORIGINATOR: AECOM in association with Aedas, MVA and DLS

CADD REF. 1106_B_DHS_ACM_C05_002A.dgn

TITLE
CONTRACT 1106
DIH AND DHS
GEOLOGICAL SECTION AND PROFILE OF DHS

SCALE 1 : 1000 (A1)

DRAWING NO. 1106/B/DHS/ACM/C05/002

REV. A

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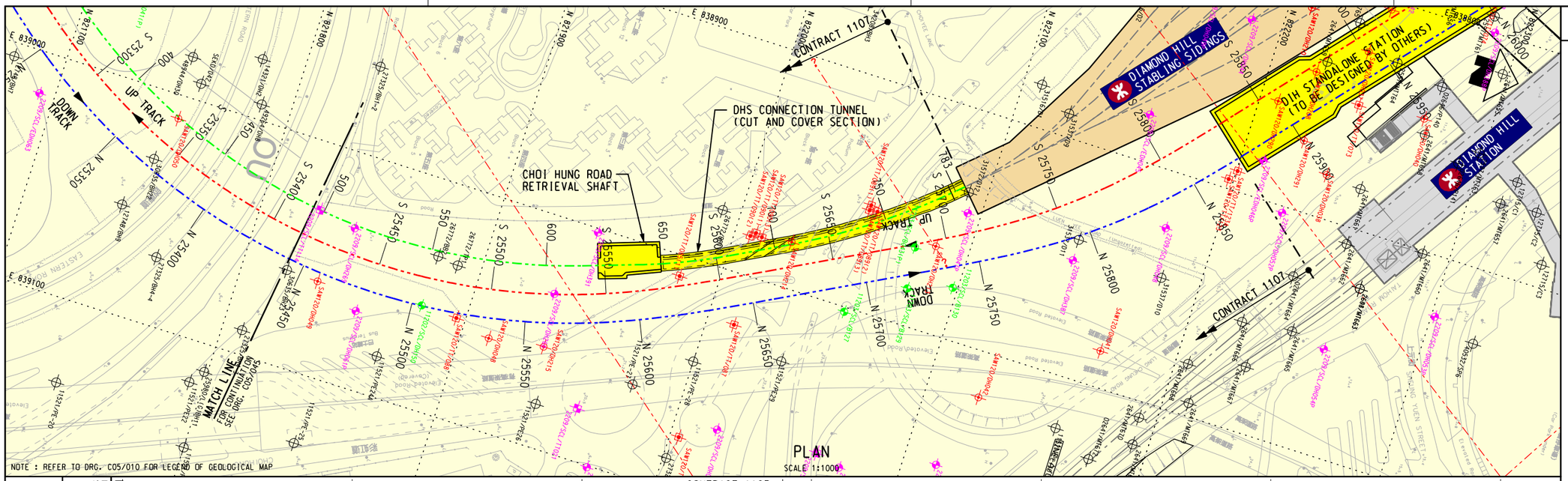

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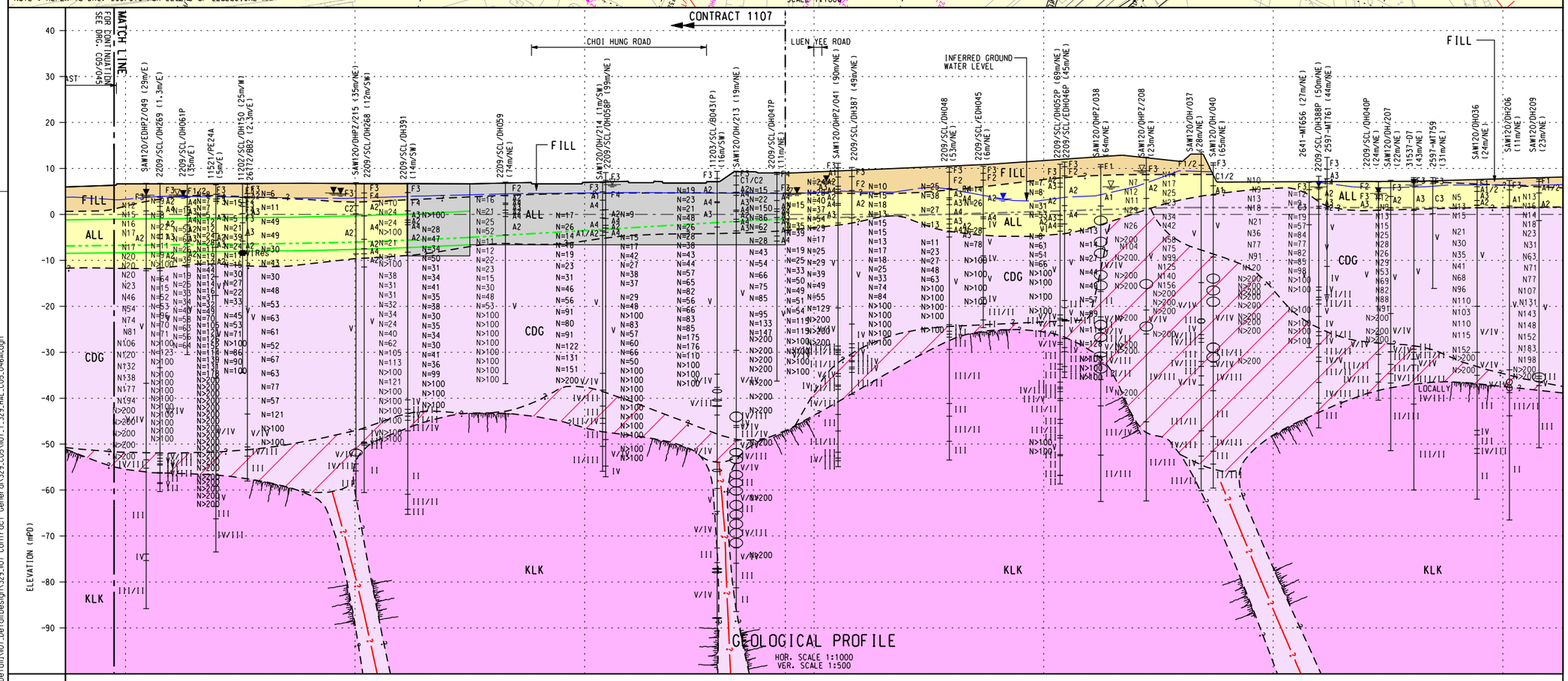

GEOLOGICAL PROFILE
HOR. SCALE 1:1000
VER. SCALE 1:500

MATERIAL TYPE LEGEND

FILL	FILL
MD	MARINE DEPOSITS
COLL	COLLUVIUM
ALL	ALLUVIUM

KOWLOON GRANITE :

CDG	GRADE VI, V AND IV
KLK	GRADE III OR BETTER

ANTICIPATED CORESTONE CONCENTRATION

- INFERRED GROUNDWATER LEVEL
- HIGHEST GROUNDWATER LEVEL MEASURED IN STANDPIPE
- HIGHEST GROUNDWATER LEVEL MEASURED IN PIEZOMETER
- INFERRED GEOLOGICAL BOUNDARY / WEATHERING GRADE
- UNCERTAIN GEOLOGICAL BOUNDARY / WEATHERING GRADE
- SHEAR / MINOR FAULT ZONE

BOREHOLE LOG LEGEND

1	VERY SOFT TO SOFT CLAY / SILT
2	FIRM TO STIFF CLAY / SILT
3	SAND
4	COBBLES / GRAVEL / BOULDERS
F	FILL
C, COLL	COLLUVIUM
M, MD	MARINE DEPOSITS
B	BEACH DEPOSITS
DFD	DEBRIS FLOW DEPOSITS
A, ALL	ALLUVIUM
VI, RS	RESIDUAL SOIL
V, CDG	COMPLETELY DECOMPOSED GRANITE / QUARTZ MONZONITE
IV, HDG	HIGHLY DECOMPOSED GRANITE / QUARTZ MONZONITE
III, MDG	MODERATELY DECOMPOSED GRANITE / QUARTZ MONZONITE
II, SDG	SIGHTLY DECOMPOSED GRANITE / QUARTZ MONZONITE
I	FRESH GRANITE / QUARTZ MONZONITE
◯	CORESTONE
Qzm	QUARTZ MONZONITE
Ba	BASALT
Sy	SYENITE
Ry	RHYOLITE
My	MYLONITE
Bre	BRECCIA
Peg	PEGMATITE

DRILLHOLE NUMBER — SAW120/EDH/189 (1mE)
REPORT NUMBER — OFFSET DISTANCE AND DIRECTION
SPT 'N' VALUE — MATERIAL CODE

NOTES

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DESIGNED	SL
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DATE	15/DEC/2010

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MTR

SHATIN TO CENTRAL LINK

ORIGINATOR: Halcrow in association with TFP Farrells, Hyder, DLS, MVA, ERM, and Evans and Peak

CADD REF. 1107_T_329_HAL_C05_046A1.DGN

TITLE
CONTRACT 1107
DIAMOND HILL TO KAI TAK TUNNELS

GEOLOGICAL LONGITUDINAL SECTION STABLING SIDINGS 2
SHEET 2
FIGURE A-13

SCALE AS SHOWN (A1) | DRAWING NO. 1107/T/329/HAL/C05/046 | REV. A1

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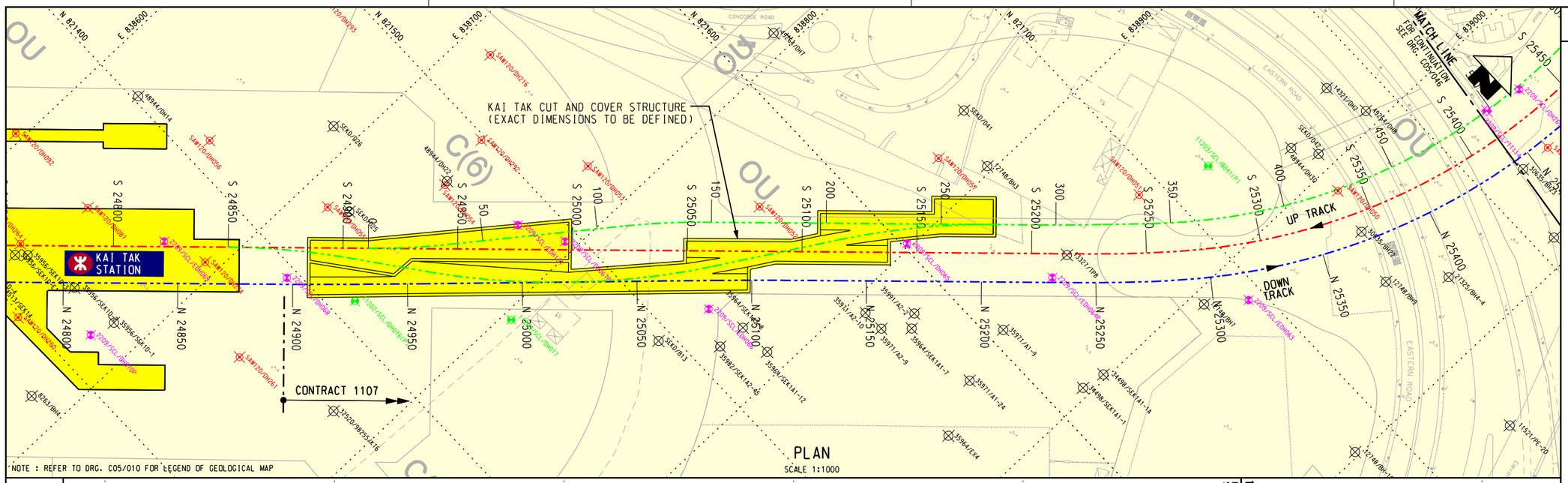
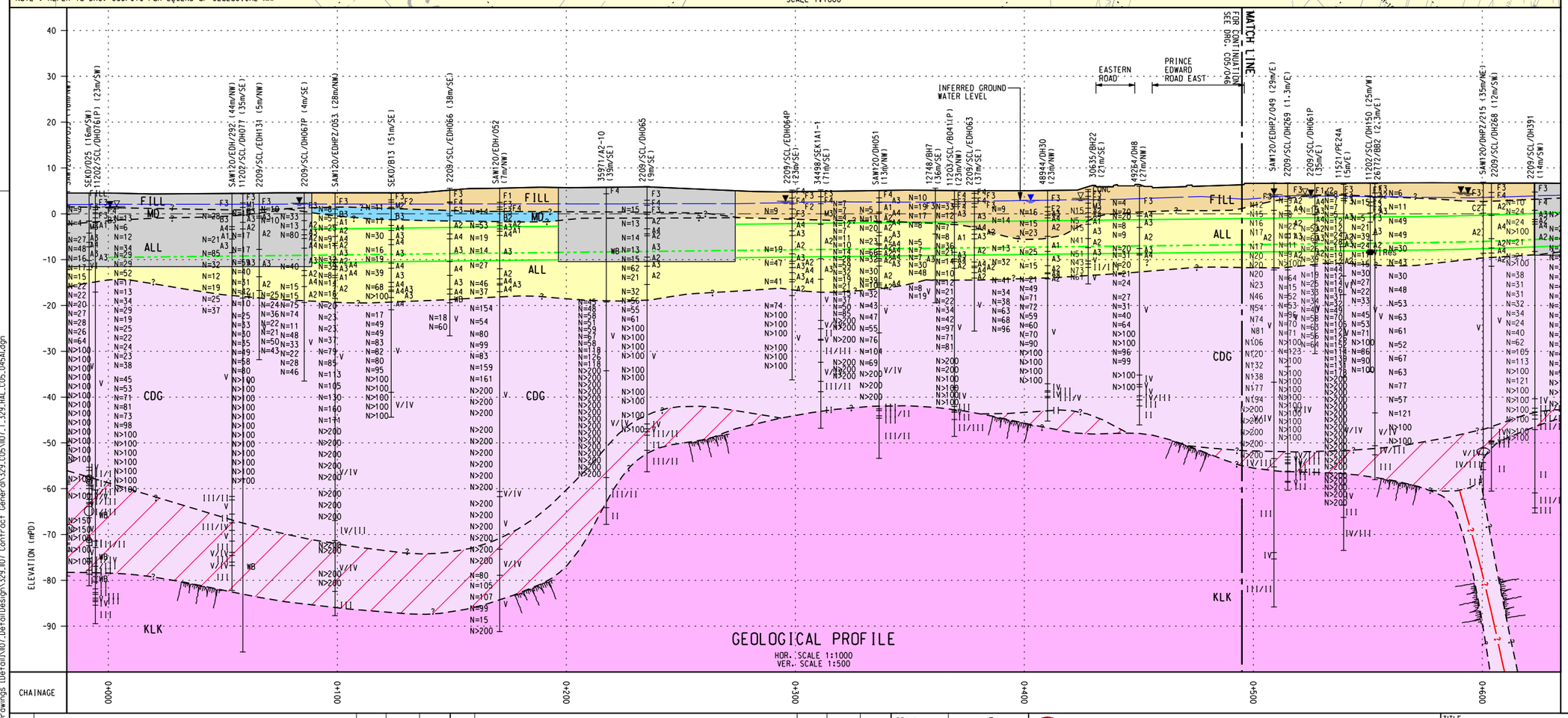


PLAN
SCALE 1:1000

NOTE : REFER TO DRG. C05/010 FOR LEGEND OF GEOLOGICAL MAP



GEOLOGICAL PROFILE
HOR. SCALE 1:1000
VER. SCALE 1:500

TENDER DRAWING

MATERIAL TYPE LEGEND

FILL	FILL
MD	MARINE DEPOSITS
COLL	COLLUVIUM
ALL	ALLUVIUM

KOWLOON GRANITE :

CDG	GRADE VI, V AND IV
KLK	GRADE III OR BETTER

ANTICIPATED CORESTONE CONCENTRATION

- INFERRED GROUNDWATER LEVEL
- HIGHEST GROUNDWATER LEVEL MEASURED IN STANDPIPE
- HIGHEST GROUNDWATER LEVEL MEASURED IN PIEZOMETER
- INFERRED GEOLOGICAL BOUNDARY / WEATHERING GRADE
- UNCERTAIN GEOLOGICAL BOUNDARY / WEATHERING GRADE
- SHEAR / MINOR FAULT ZONE

BOREHOLE LOG LEGEND

1	VERY SOFT TO SOFT CLAY / SILT
2	FIRM TO STIFF CLAY / SILT
3	SAND
4	COBBLES / GRAVEL / BOULDERS
F	FILL
C, COLL	COLLUVIUM
M, MD	MARINE DEPOSITS
B	BEACH DEPOSITS
DFD	DEBRIS FLOW DEPOSITS
A, ALL	ALLUVIUM
VI, RS	RESIDUAL SOIL
V, CDG	COMPLETELY DECOMPOSED GRANITE / QUARTZ MONZONITE
IV, HDG	HIGHLY DECOMPOSED GRANITE / QUARTZ MONZONITE
III, MDG	MODERATELY DECOMPOSED GRANITE / QUARTZ MONZONITE
II, SDG	SIGHTLY DECOMPOSED GRANITE / QUARTZ MONZONITE
I	FRESH GRANITE / QUARTZ MONZONITE
○	CORESTONE
Qzm	QUARTZ MONZONITE
Ba	BASALT
Sy	SYENITE
Ry	RHYOLITE
My	MYLONITE
Bre	BRECCIA
Peg	PEGMATITE

DRILLHOLE NUMBER — SAW120/EDH/189 (11m/E)
REPORT NUMBER — OFFSET DISTANCE AND DIRECTION
SPT 'N' VALUE — N5 F3 / N6 / N7 M1 — MATERIAL CODE / A2 / N9 / N13 V/IV / III/II

NOTES

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CHECKED	CG
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MTR

SHATIN TO CENTRAL LINK

ORIGINATOR: Halcrow in association with TFP Farrells, Hyder, DLS, MVA, ERM, and Evans and Peak

CADD REF. 1107_T_329_HAL_C05_045A1.DGN

TITLE
CONTRACT 1107
DIAMOND HILL TO KAI TAK TUNNELS

GEOLOGICAL LONGITUDINAL SECTION STABLING SIDINGS 1
SHEET 1

FIGURE A-12

SCALE AS SHOWN (A1)

DRAWING NO. 1107/T/329/HAL/C05/045

REV. A1

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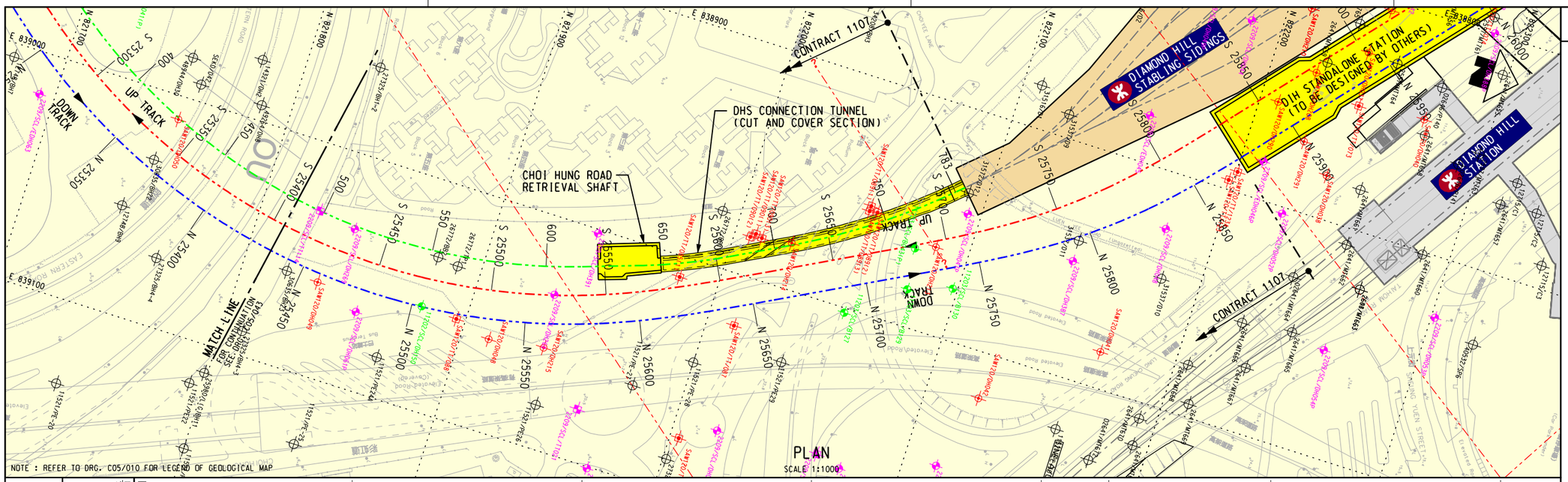

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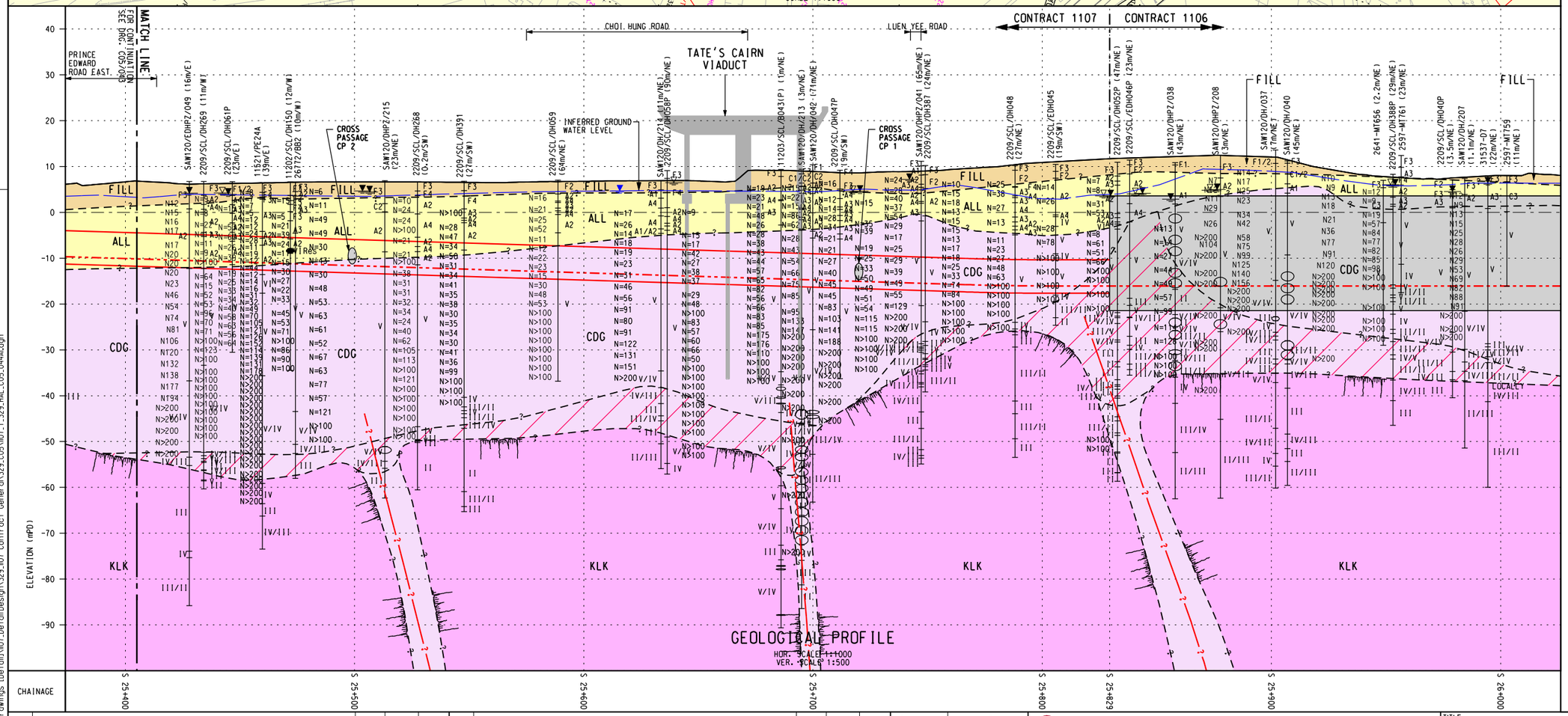

GEOLOGICAL PROFILE
HOR. SCALE 1:1000
VER. SCALE 1:500

TENDER DRAWING

MATERIAL TYPE LEGEND

FILL	FILL
MD	MARINE DEPOSITS
COLL	COLLUVIUM
ALL	ALLUVIUM

KOWLOON GRANITE :

CDG	GRADE VI, V AND IV
KLK	GRADE III OR BETTER

ANTICIPATED CORESTONE CONCENTRATION

INFERRED GROUNDWATER LEVEL
HIGHEST GROUNDWATER LEVEL MEASURED IN STANDPIPE
HIGHEST GROUNDWATER LEVEL MEASURED IN PIEZOMETER
INFERRED GEOLOGICAL BOUNDARY / WEATHERING GRADE
UNCERTAIN GEOLOGICAL BOUNDARY / WEATHERING GRADE
SHEAR / MINOR FAULT ZONE

BOREHOLE LOG LEGEND

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C, COLL	COLLUVIUM
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B	BEACH DEPOSITS
DFD	DEBRIS FLOW DEPOSITS
A, ALL	ALLUVIUM
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II, SDG	SIGHTLY DECOMPOSED GRANITE / QUARTZ MONZONITE
I	FRESH GRANITE / QUARTZ MONZONITE
◯	CORESTONE
Qzm	QUARTZ MONZONITE
Ba	BASALT
Sy	SYENITE
Ry	RHYOLITE
My	MYLONITE
Bre	BRECCIA
Peg	PEGMATITE

DRILLHOLE NUMBER — SAW120/EDH/189
REPORT NUMBER — (1m/E) — OFFSET DISTANCE AND DIRECTION
SPT 'N' VALUE — N5 F3 / N6 / N7 M1 — MATERIAL CODE / N9 A2 / N13 V/IV / III/II

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ORIGINATOR Halcrow in association with TFP Farrells, Hyder, DLS, MVA, ERM, and Evans and Peak

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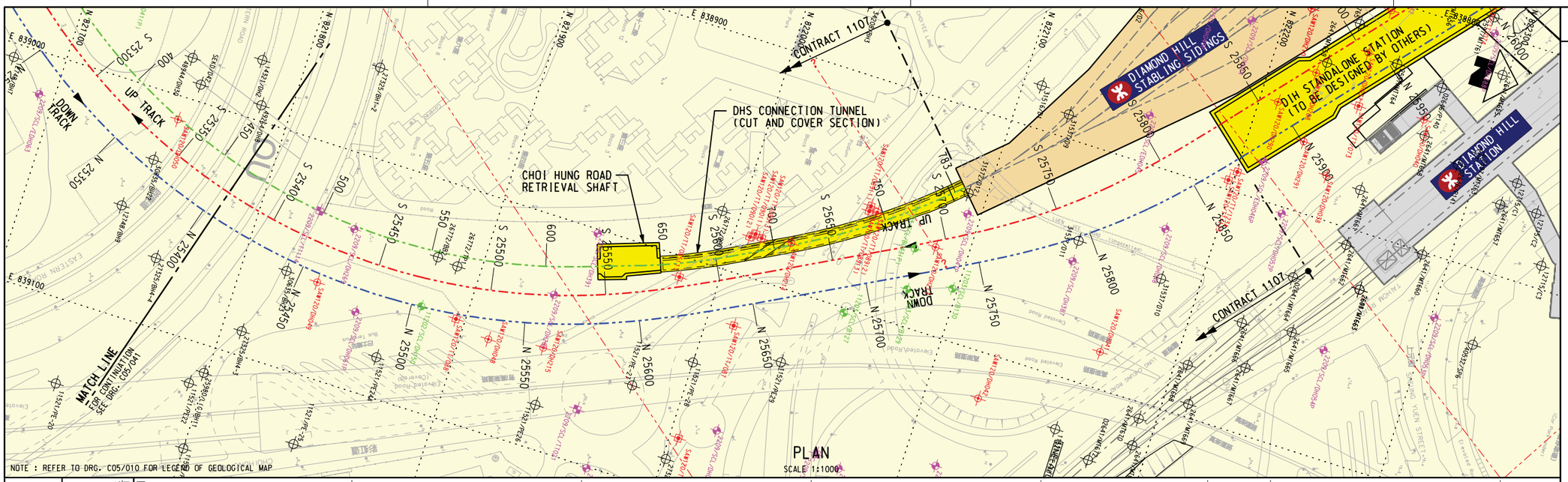
TITLE
CONTRACT 1107
DIAMOND HILL TO KAI TAK TUNNELS

GEOLOGICAL LONGITUDINAL SECTION UPTRACK 2
SHEET 2

FIGURE A-11

SCALE	DRAWING NO.	REV.
AS SHOWN (A1)	1107/T/329/HAL/C05/044	A1



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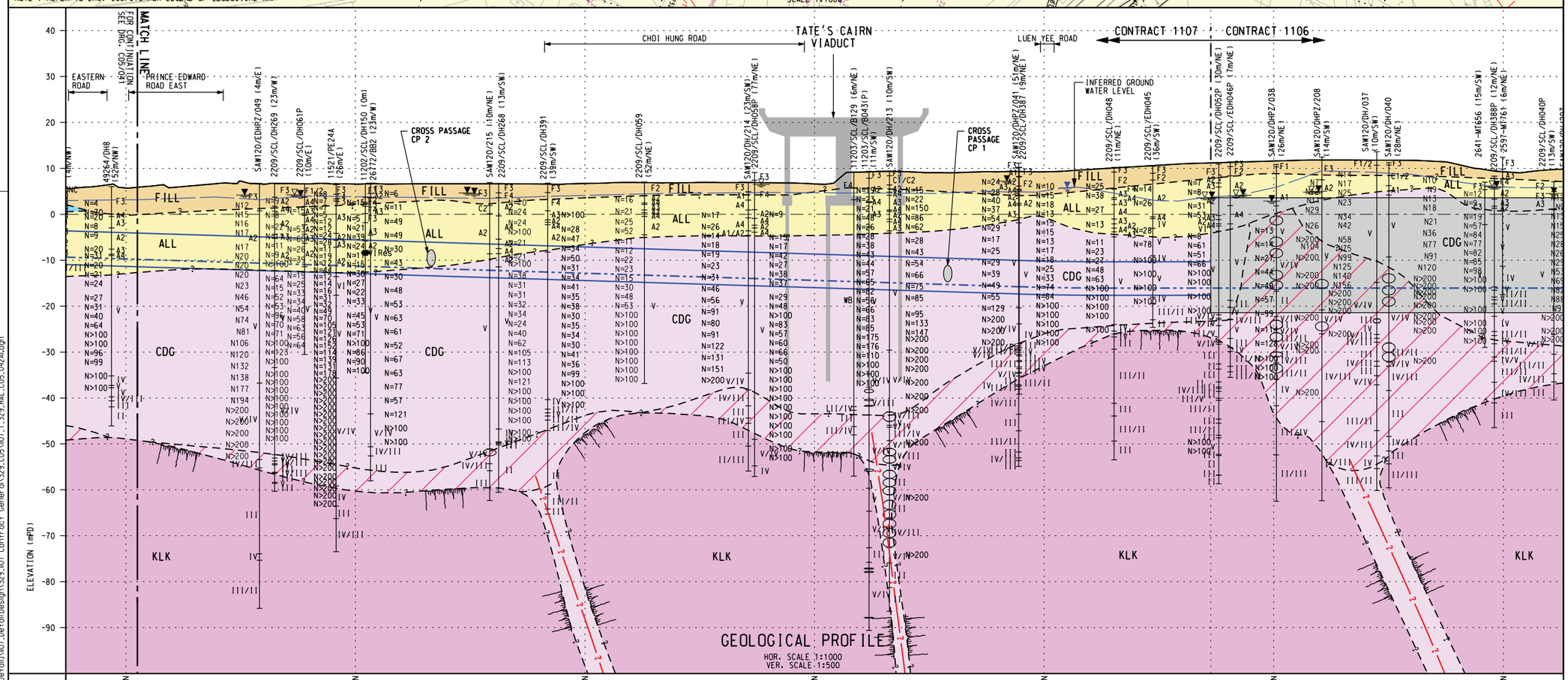
NOTE : REFER TO DRG. C05/010 FOR LEGEND OF GEOLOGICAL MAP



GEOLOGICAL PROFILE
HOR. SCALE 1:1000
VER. SCALE 1:500

MATERIAL TYPE LEGEND

FILL	FILL
MD	MARINE DEPOSITS
COLL	COLLUVIUM
ALL	ALLUVIUM

KOWLOON GRANITE :

CDG	GRADE VI, V AND IV
KLK	GRADE III OR BETTER

ANTICIPATED CORESTONE CONCENTRATION

INFERRED GROUNDWATER LEVEL
HIGHEST GROUNDWATER LEVEL MEASURED IN STANDPIPE
HIGHEST GROUNDWATER LEVEL MEASURED IN PIEZOMETER
INFERRED GEOLOGICAL BOUNDARY / WEATHERING GRADE
UNCERTAIN GEOLOGICAL BOUNDARY / WEATHERING GRADE
SHEAR / MINOR FAULT ZONE

BOREHOLE LOG LEGEND

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I	FRESH GRANITE / QUARTZ MONZONITE
	CORESTONE
Qzm	QUARTZ MONZONITE
Ba	BASALT
Sy	SYENITE
Ry	RHYOLITE
My	MYLONITE
Bre	BRECCIA
Peg	PEGMATITE

DRILLHOLE NUMBER — SAW120/EDH/183 (1m/E)
REPORT NUMBER — OFFSET DISTANCE AND DIRECTION
SPT 'N' VALUE — N5 F3, N6, N7 M1, A2, N9, N13 V/IV, III/II — MATERIAL CODE

NOTES

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SHATIN TO CENTRAL LINK

ORIGINATOR
Halcrow
in association with TFP Farrells, Hyder, DLS, MVA, ERM, and Evans and Peak

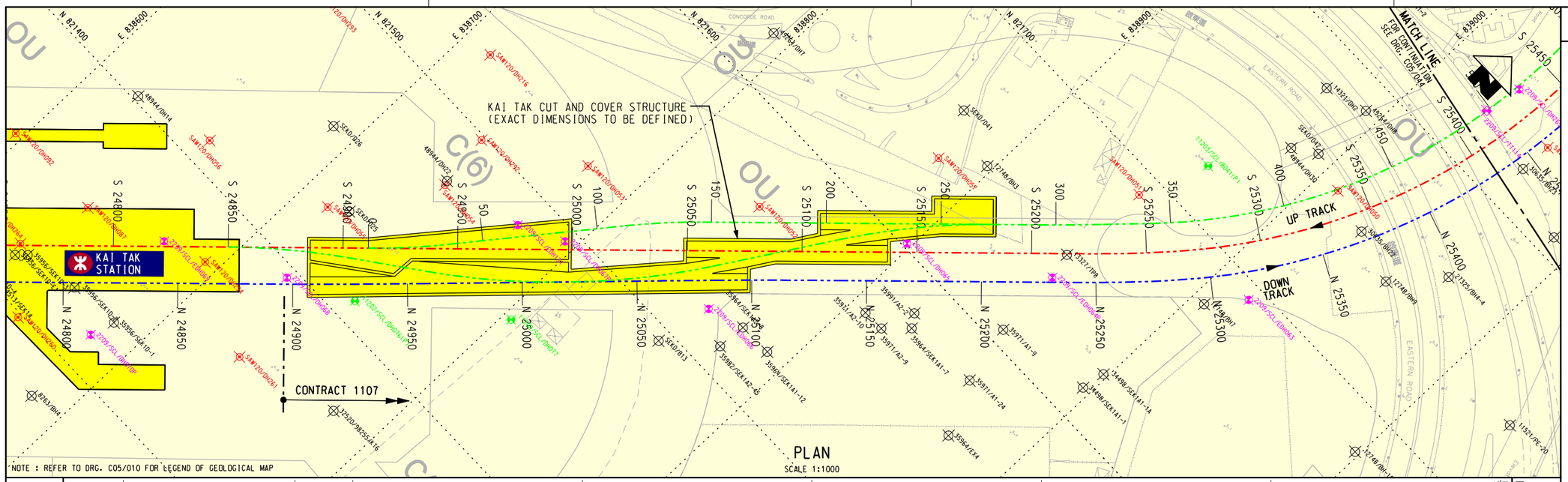
CADD REF. 1107_T_329_HAL_C05_042A1.DGN

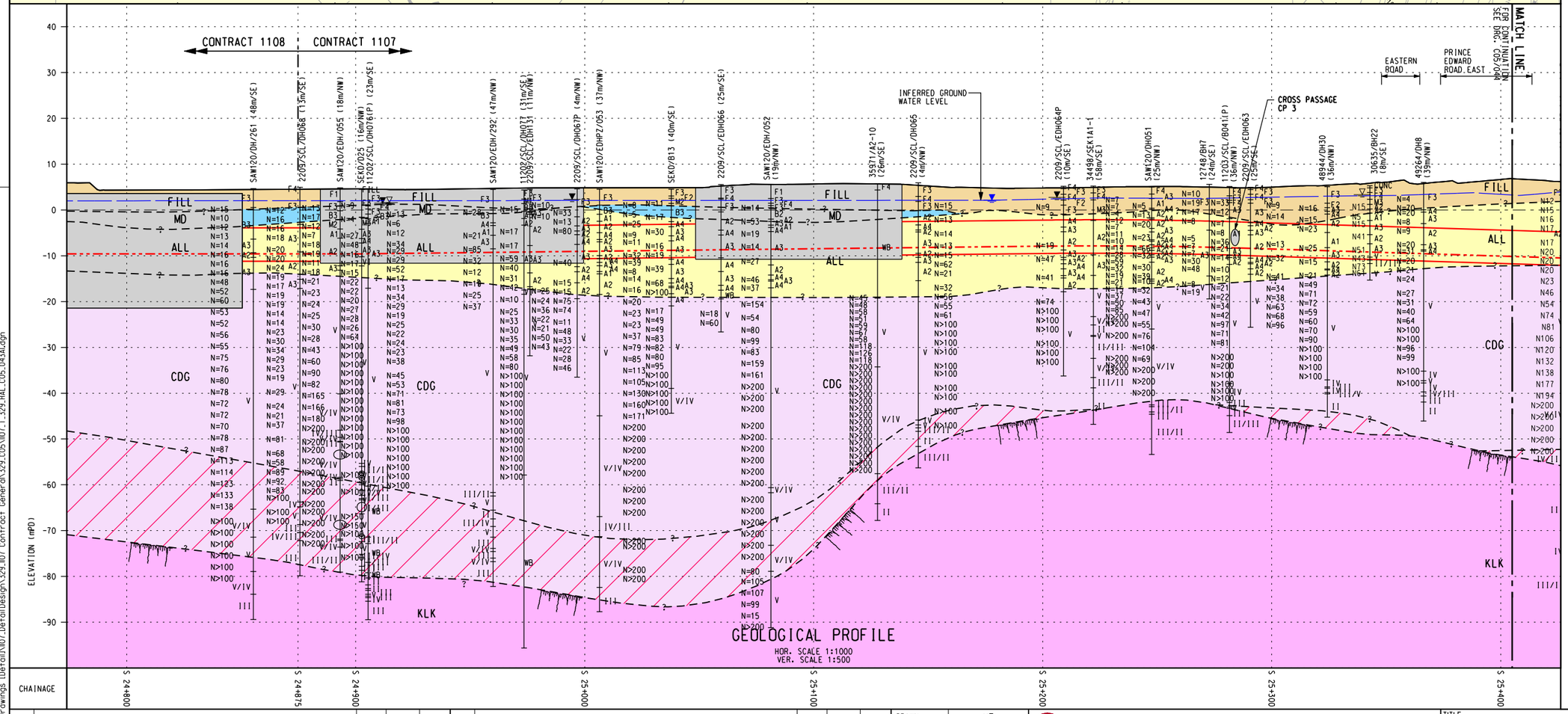
TITLE
CONTRACT 1107
DIAMOND HILL TO KAI TAK TUNNELS

GEOLOGICAL LONGITUDINAL SECTION DOWNTRACK 2
SHEET 2

FIGURE A-9

SCALE	DRAWING NO.	REV.
AS SHOWN (A1)	1107/T/329/HAL/C05/042	A1





TENDER DRAWING

MATERIAL TYPE LEGEND

- FILL — FILL
- MD — MARINE DEPOSITS
- COLL — COLLUVIUM
- ALL — ALLUVIUM

KOWLOON GRANITE :

- CDG — GRADE VI, V AND IV
- KLK — GRADE III OR BETTER

- ANTICIPATED CORESTONE CONCENTRATION
- INFERRED GROUNDWATER LEVEL
- HIGHEST GROUNDWATER LEVEL MEASURED IN STANDPIPE
- HIGHEST GROUNDWATER LEVEL MEASURED IN PIEZOMETER
- INFERRED GEOLOGICAL BOUNDARY / WEATHERING GRADE
- UNCERTAIN GEOLOGICAL BOUNDARY / WEATHERING GRADE
- SHEAR / MINOR FAULT ZONE

BOREHOLE LOG LEGEND

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2	FIRM TO STIFF CLAY / SILT
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II, SDG	SIGHTLY DECOMPOSED GRANITE / QUARTZ MONZONITE
I	FRESH GRANITE / QUARTZ MONZONITE
	CORESTONE
Qzm	QUARTZ MONZONITE
Ba	BASALT
Sy	SYENITE
Ry	RHYOLITE
My	MYLONITE
Bre	BRECCIA
Peg	PEGMATITE

DRILLHOLE NUMBER — REPORT NUMBER — OFFSET DISTANCE AND DIRECTION (SAM120/EDH/189 (11m/E))

SPT 'N' VALUE — MATERIAL CODE (N5 F3, N6, M1, N7, A2, N9, V/IV, N13, III/II)

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ORIGINATOR: Halcrow in association with TFP Farrells, Hyder, DLS, MVA, ERM, and Evans and Peak

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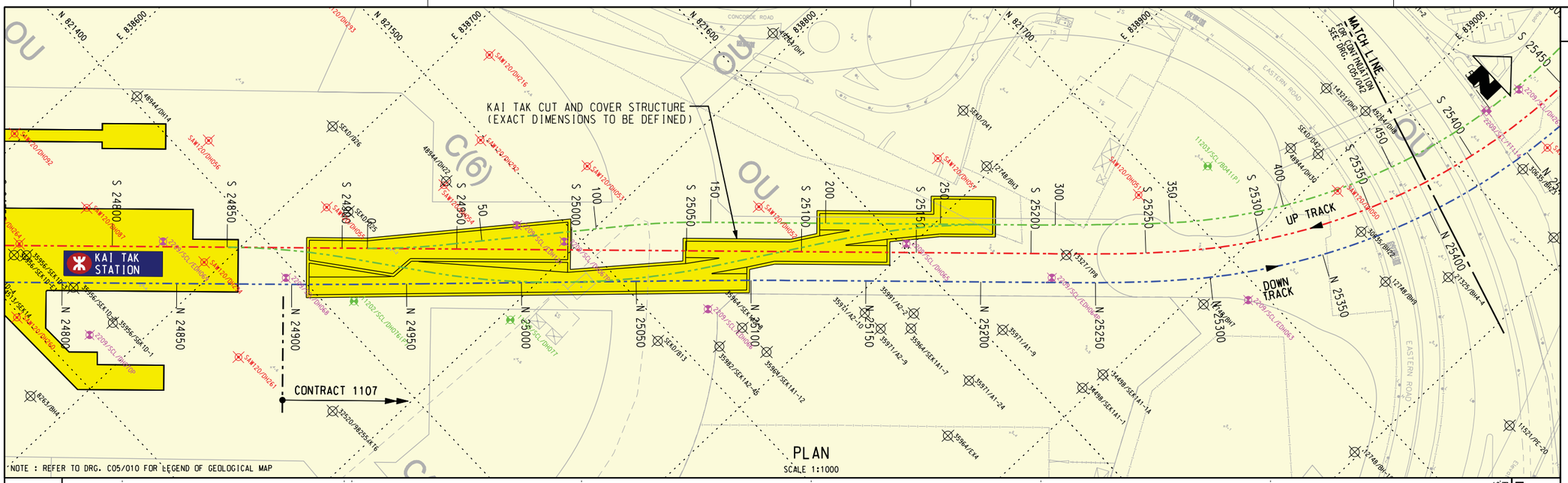
TITLE

CONTRACT 1107
DIAMOND HILL TO KAI TAK TUNNELS

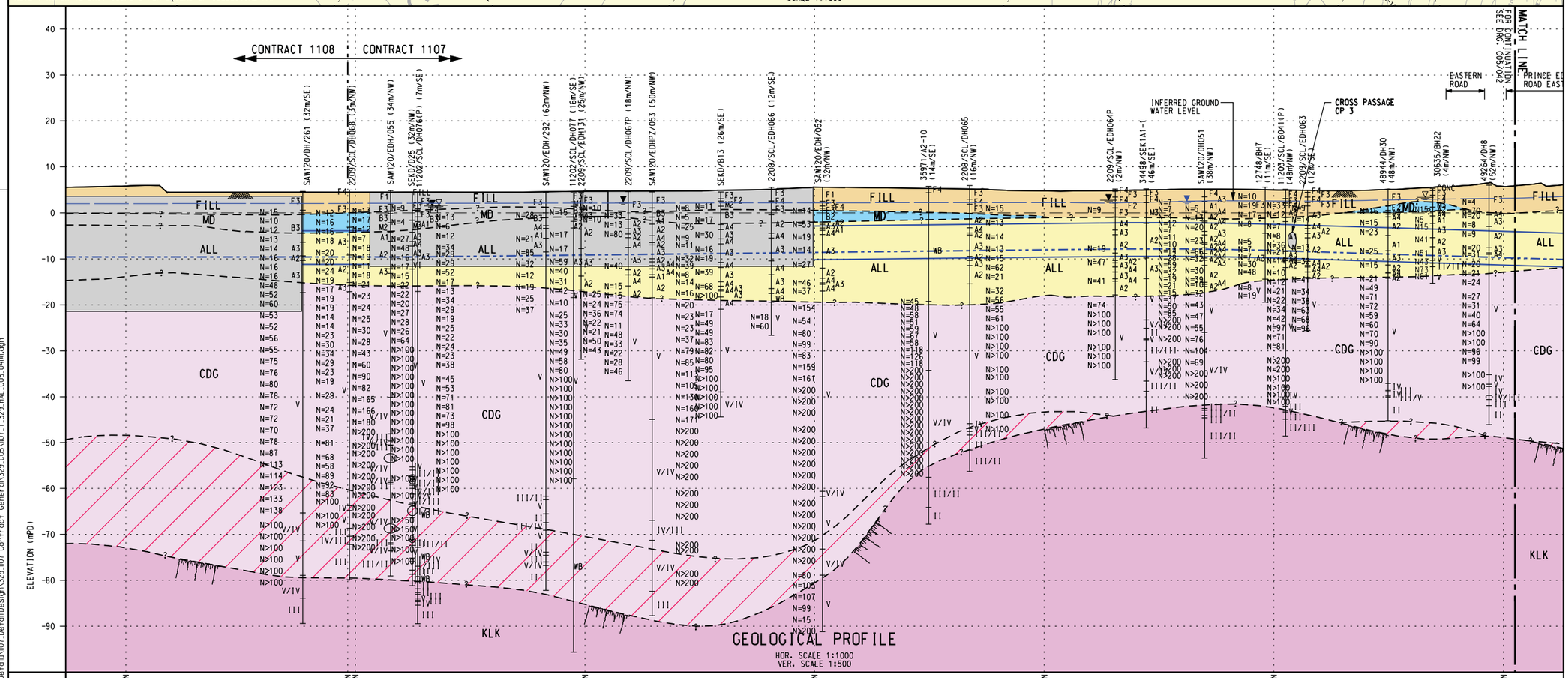
GEOLOGICAL LONGITUDINAL SECTION UPTRACK 1
SHEET 1

FIGURE A-10

SCALE	DRAWING NO.	REV.
AS SHOWN (A1)	1107/T/329/HAL/C05/043	A1



NOTE : REFER TO DRG. C05/010 FOR LEGEND OF GEOLOGICAL MAP



MATERIAL TYPE LEGEND

FILL	FILL
MD	MARINE DEPOSITS
COLL	COLLUVIUM
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KOWLOON GRANITE :

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DRILLHOLE NUMBER — REPORT NUMBER — OFFSET DISTANCE AND DIRECTION

SAW120/EDH/189 (11m/E)

SPT 'N' VALUE — MATERIAL CODE

N5 F3
N6
N7 M1
A2
N9
N13 V/IV
III/II

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ORIGINATOR: Halcrow — in association with TFP Farrells, Hyder, DLS, MVA, ERM, and Evans and Peak

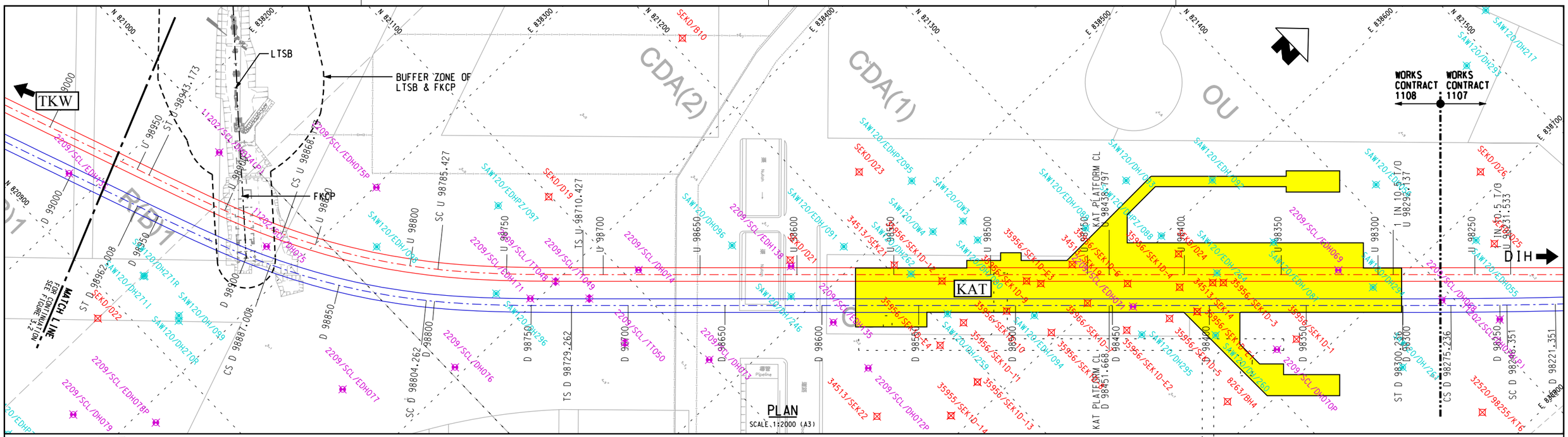
CADD REF. 1107_T_329_HAL_C05_041A1.DGN

TITLE
CONTRACT 1107
DIAMOND HILL TO KAI TAK TUNNELS

GEOLOGICAL LONGITUDINAL SECTION DOWNTRACK 1
SHEET 1

FIGURE A-8

SCALE	DRAWING NO.	REV.
AS SHOWN (A1)	1107/T/329/HAL/C05/041	A1



LONGITUDINAL GEOLOGICAL PROFILE

HOR. SCALE 1:2000 (A3)
VER. SCALE 1:1000 (A3)

REV	DESCRIPTION	BY	DATE	APPROVED	REV	DESCRIPTION	BY	DATE	APPROVED

DRAWN	
DESIGNED	
CHECKED	
APPROVED	
DATE	20/AUG/2010

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SHATIN TO CENTRAL LINK

ORIGINATOR

MEINHARDT
Meinhardt (Hong Kong) Ltd. Consulting Engineers
邁進(香港)工程顧問有限公司

in association with
Aedas, Mott MacDonald, MVA, DLS, Wilkinson Murry, Evans & Peck, AA

CADD REF. GER_FIG_03.1.dgn

TITLE

CONTRACT 1108
KAI TAK STATION
EXISTING GROUND INVESTIGATION LOCATION PLAN AND GEOLOGICAL LONGITUDINAL SECTION (SHEET 1 OF 2)

SCALE	DRAWING NO.	REV.
AS SHOWN (A1)	FIGURE 3.1	

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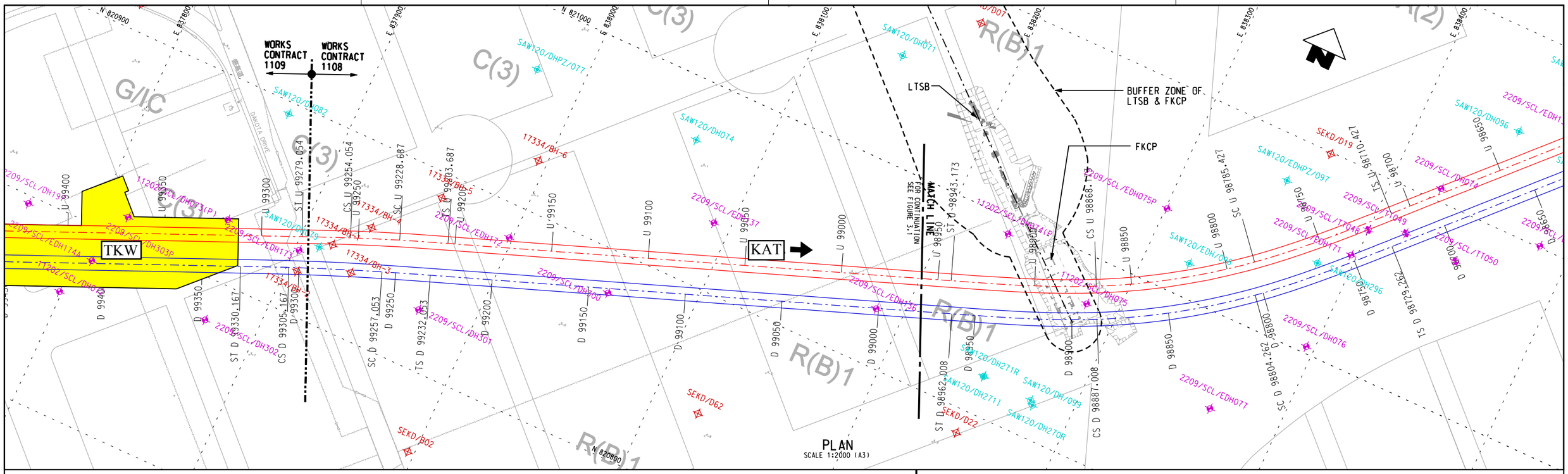

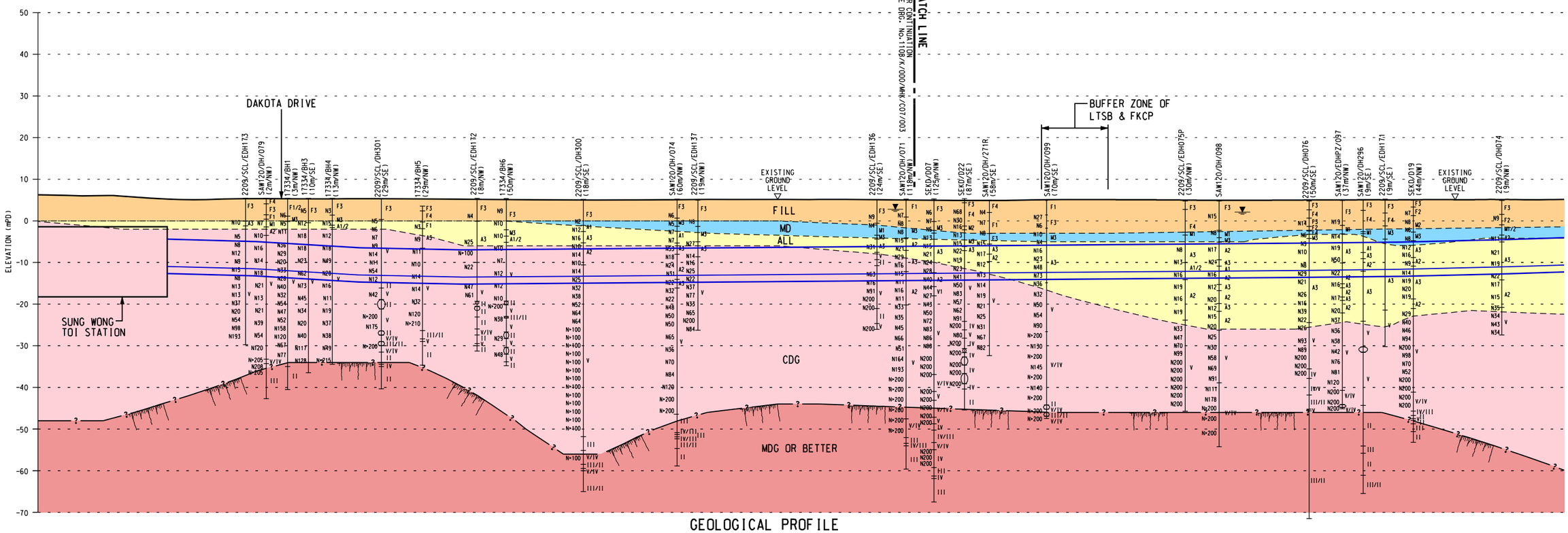

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REV	DESCRIPTION	BY	DATE	APPROVED

DRAWN	
DESIGNED	
CHECKED	
APPROVED	
DATE	20/AUG/2010

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ORIGINATOR

Meinhardt (Hong Kong) Ltd. Consulting Engineers 邁進(香港)工程顧問有限公司

in association with Aedas, Mott MacDonald, MVA, DLS, Wilkinson Murry, Evans & Peck, AA

CADD REF. GER_FIG_03.2.dgn

TITLE

CONTRACT 1108
KAI TAK STATION
EXISTING GROUND INVESTIGATION LOCATION PLAN AND GEOLOGICAL LONGITUDINAL SECTION (SHEET 2 OF 2)

SCALE	DRAWING NO.	REV.
AS SHOWN (A1)	FIGURE 3.2	

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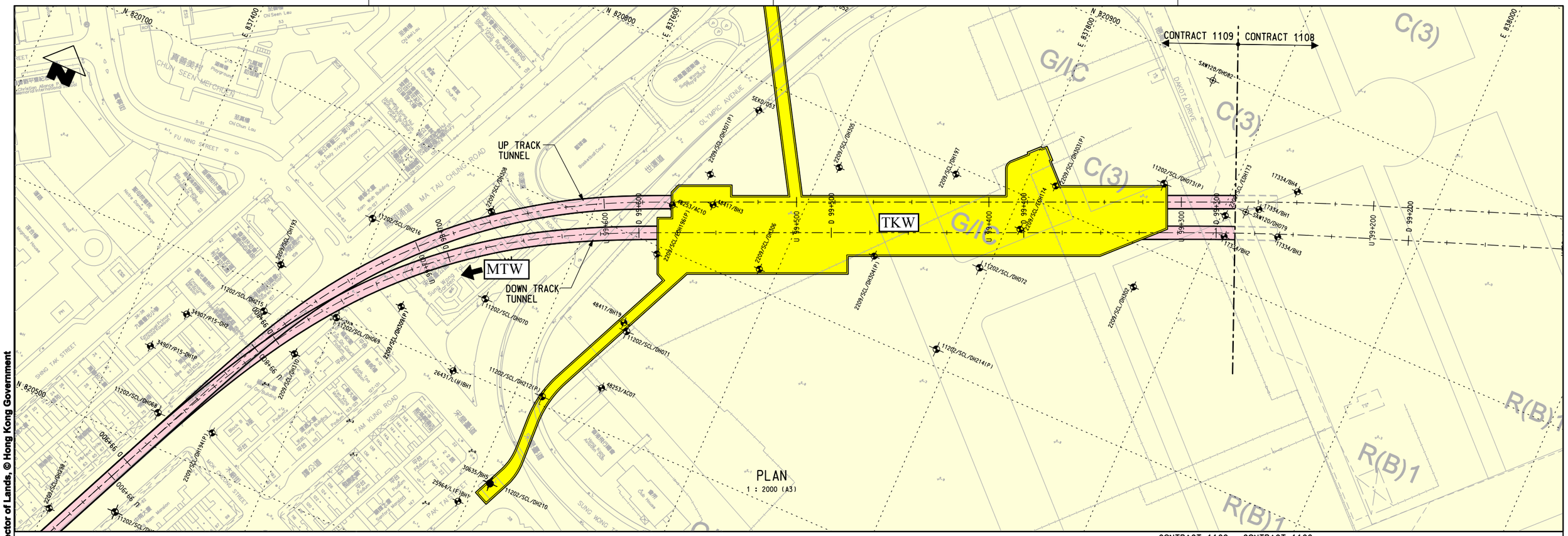

DRAWN	CSK
DESIGNED	JH
CHECKED	PAT
APPROVED	JM
DATE	15/SEP/2010

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ORIGINATOR
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Geoconsult, Urbis Ltd.

CADD REF.
1109_GER_FIG_F004.dgn

TITLE
CONTRACT 1109
TKW AND MTW AND TUNNELS
EXISTING GROUND INVESTIGATION LOCATION PLAN AND GEOLOGICAL LONGITUDINAL SECTION
DOWN TRACK
(SHEET 4 OF 4)

SCALE
AS SHOWN

DRAWING NO.
1109/GER/FIG/F004

REV.
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REV	DESCRIPTION	BY	DATE	APPROVED

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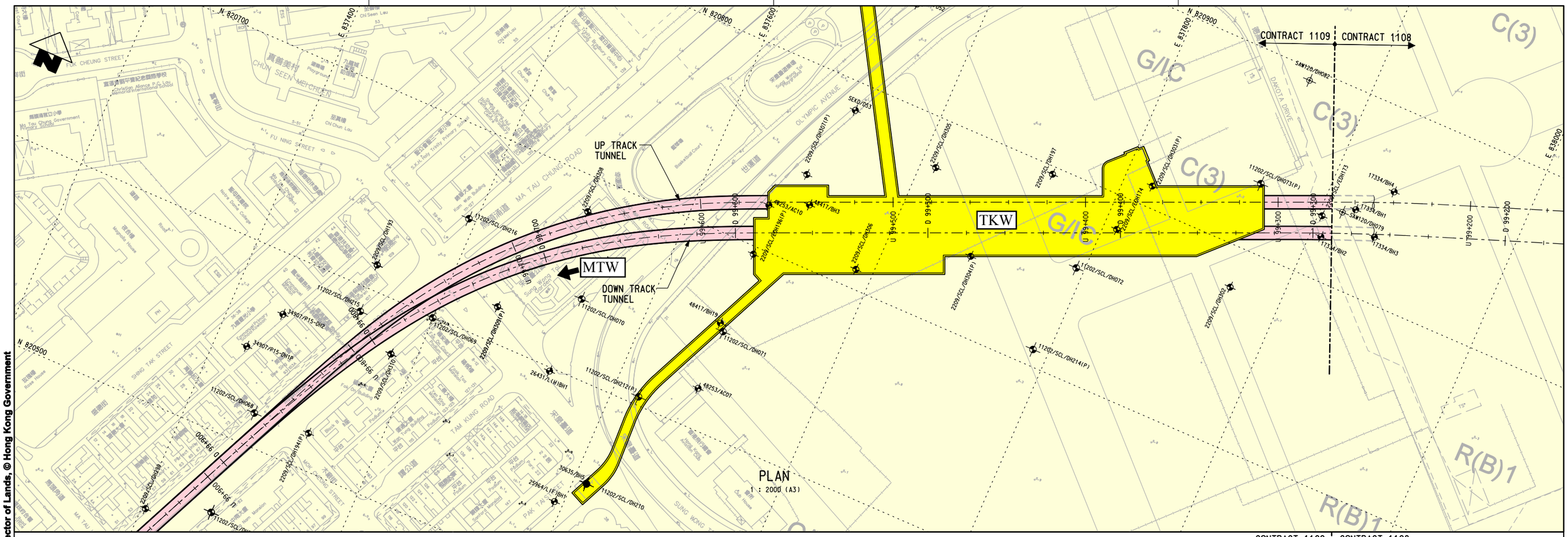

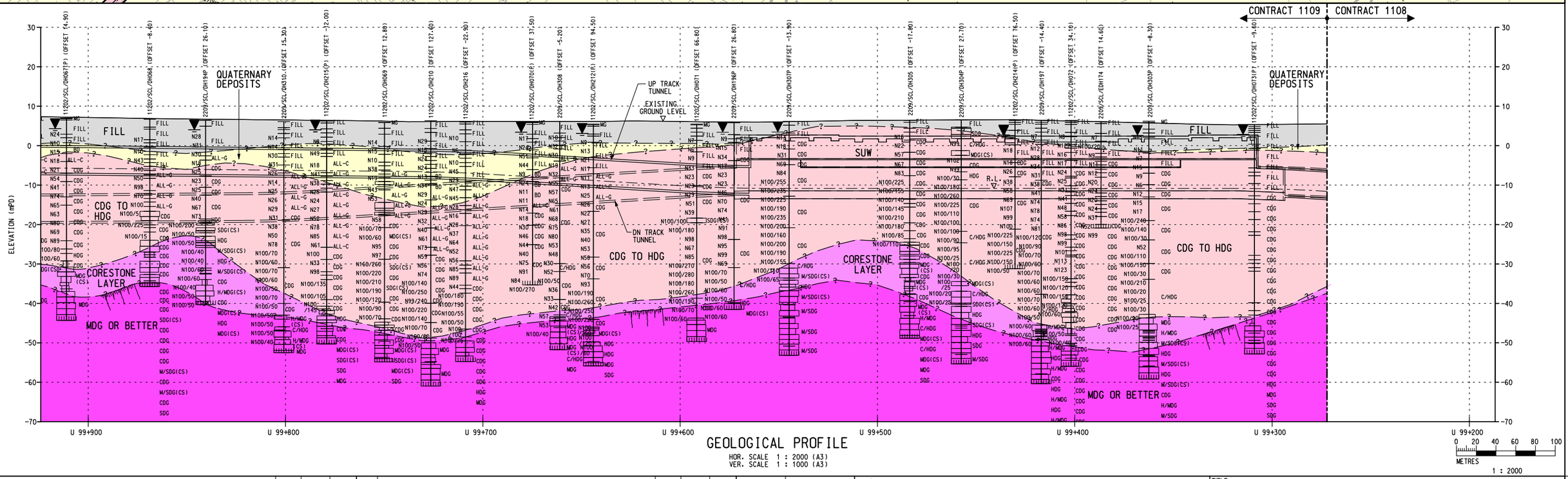

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VER. SCALE 1 : 1000 (A3)

METRES
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REV	DESCRIPTION	BY	DATE	APPROVED

DRAWN	CSK
DESIGNED	JH
CHECKED	PAT
APPROVED	JM
DATE	15/SEP/2010

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CADD REF.
1109_GER_FIG_F008.dgn

TITLE
CONTRACT 1109
TKW AND MTW AND TUNNELS
EXISTING GROUND INVESTIGATION LOCATION PLAN AND GEOLOGICAL LONGITUDINAL SECTION DOWN TRACK

SCALE	DRAWING NO.	REV.
AS SHOWN	1109/GER/FIG/F008	–

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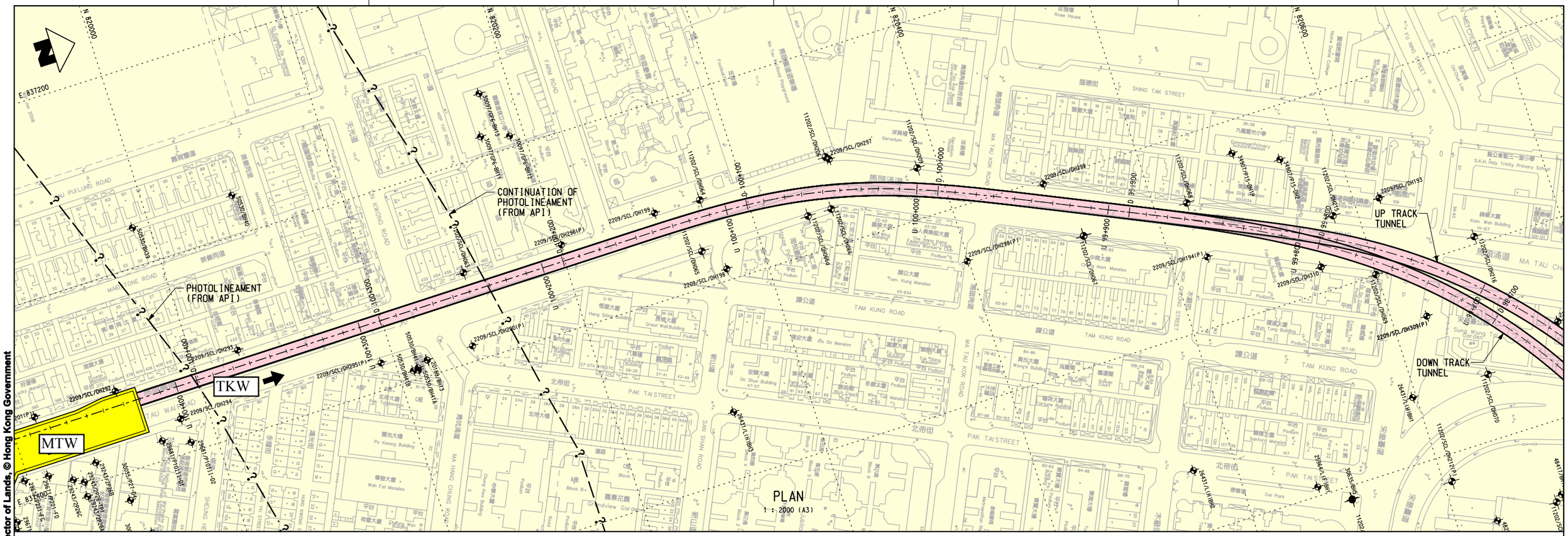

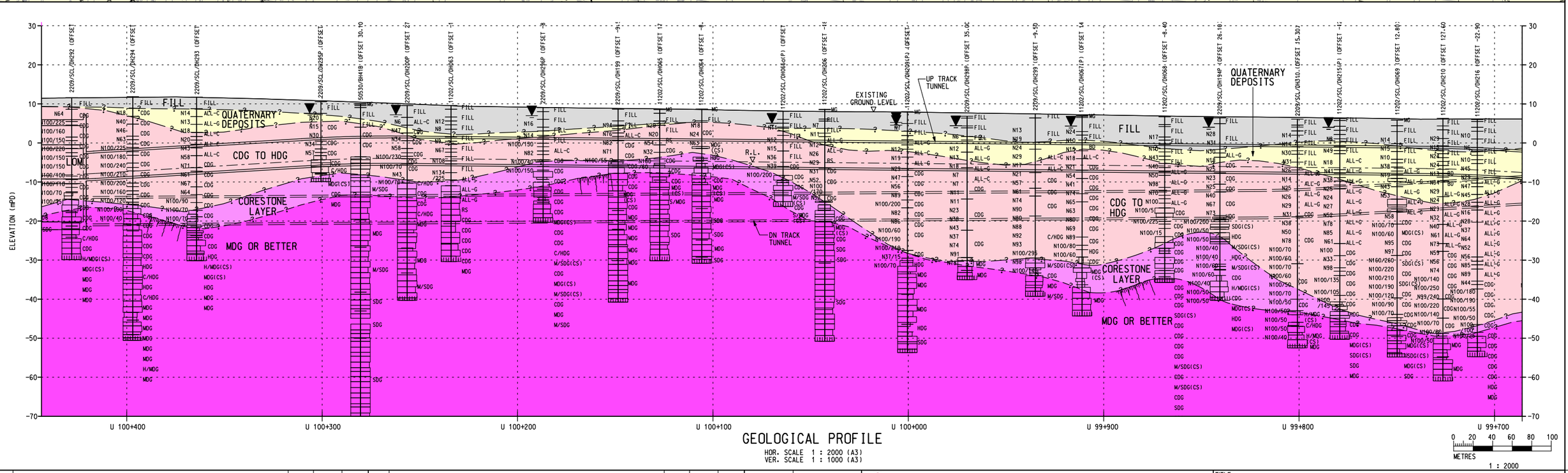

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CADD REF. 1109_GER_FIG_F007.dgn

TITLE

CONTRACT 1109

TKW AND MTW AND TUNNELS

EXISTING GROUND INVESTIGATION LOCATION PLAN AND GEOLOGICAL LONGITUDINAL SECTION UP TRACK (SHEET 3 OF 4)

SCALE	DRAWING NO.	REV.
AS SHOWN	1109/GER/FIG/F007	–

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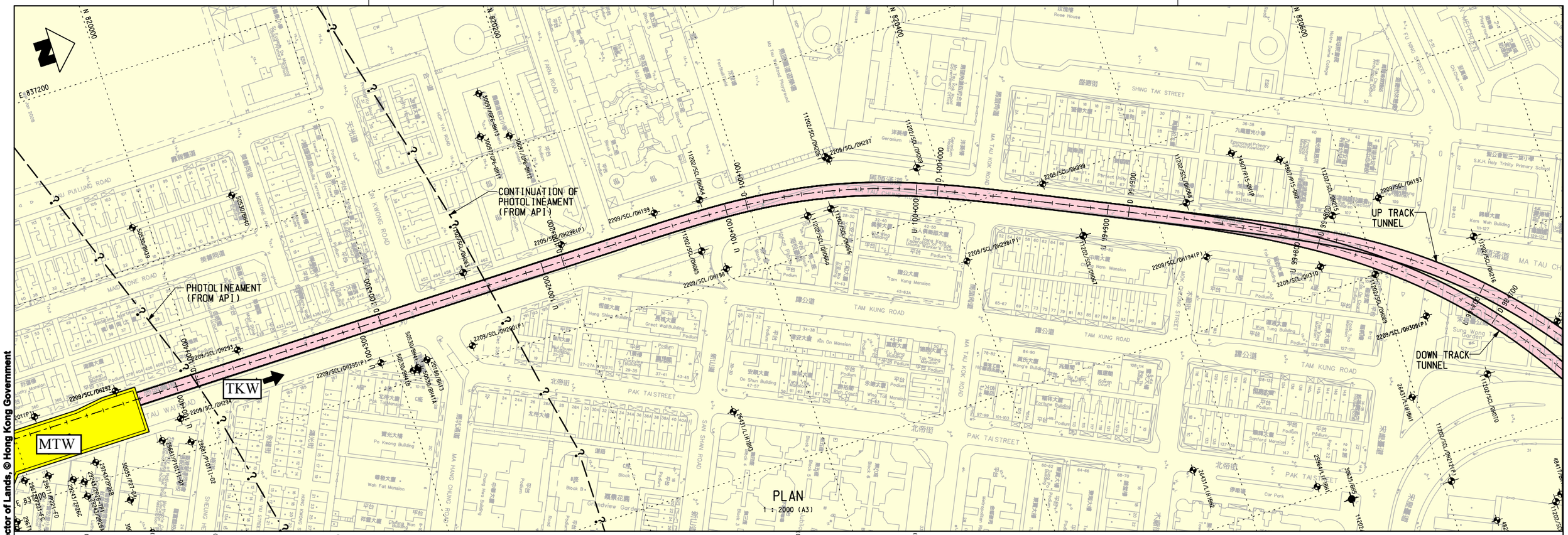

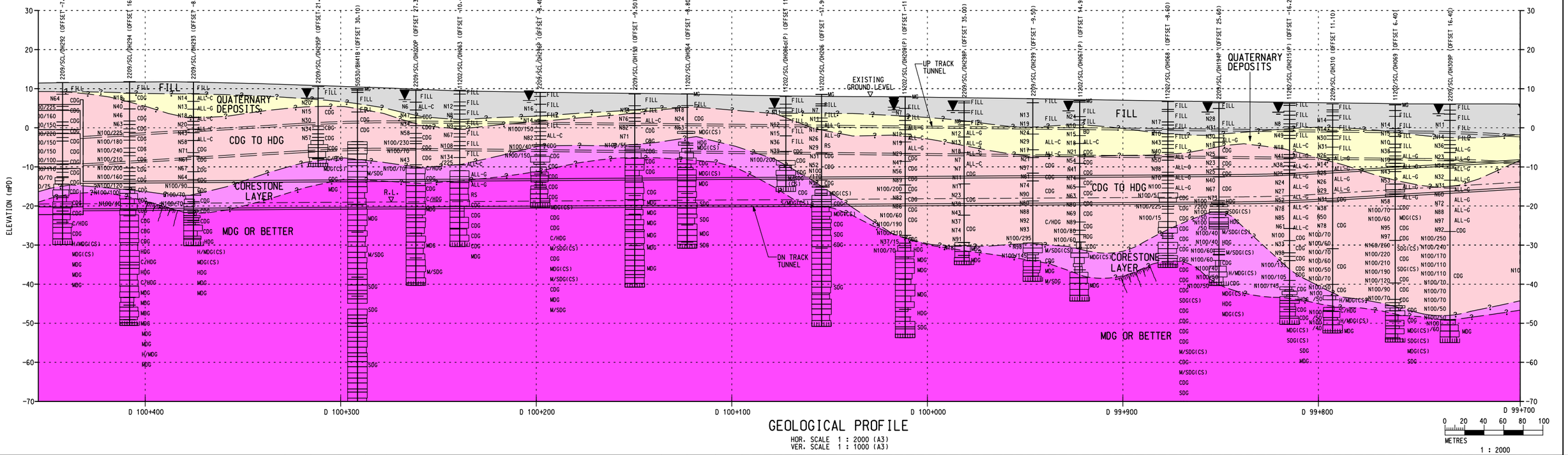

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REV	DESCRIPTION	BY	DATE	APPROVED

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DESIGNED	JH
CHECKED	PAT
APPROVED	JM
DATE	15/SEP/2010

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CADD REF.
1109_GER_FIG_F003.dgn

TITLE
CONTRACT 1109
TKW AND MTW AND TUNNELS
EXISTING GROUND INVESTIGATION LOCATION PLAN AND GEOLOGICAL LONGITUDINAL SECTION
DOWN TRACK (SHEET 3 OF 4)

SCALE	DRAWING NO.	REV.
AS SHOWN	1109/GER/FIG/F003	–

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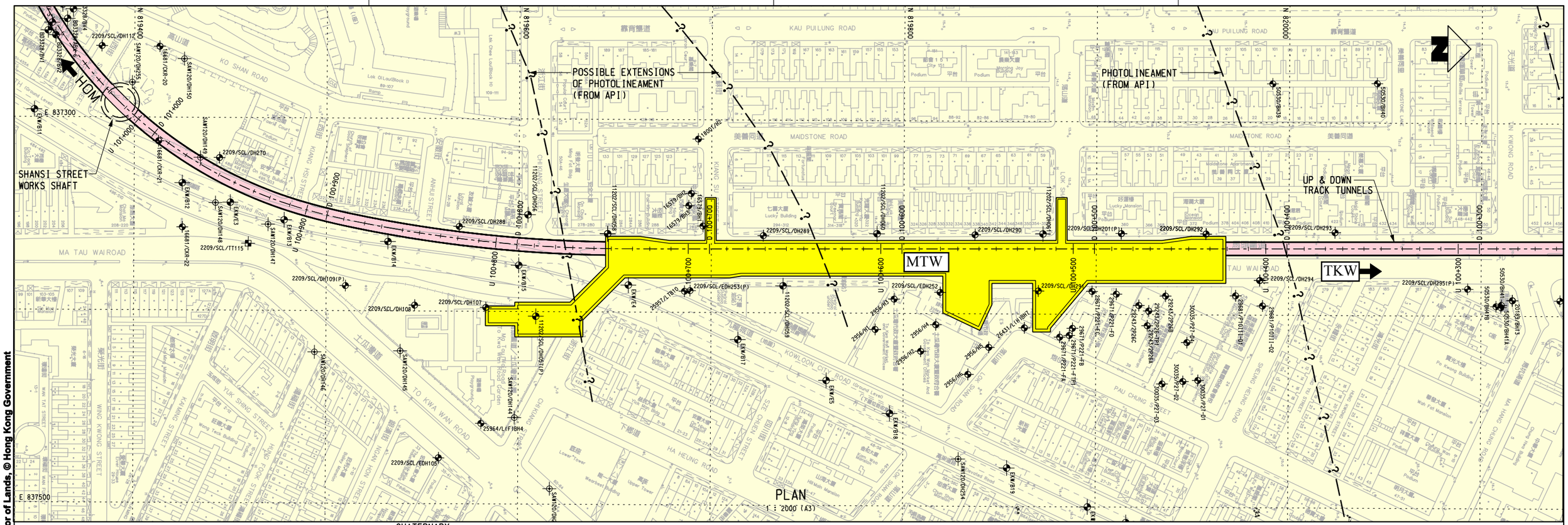

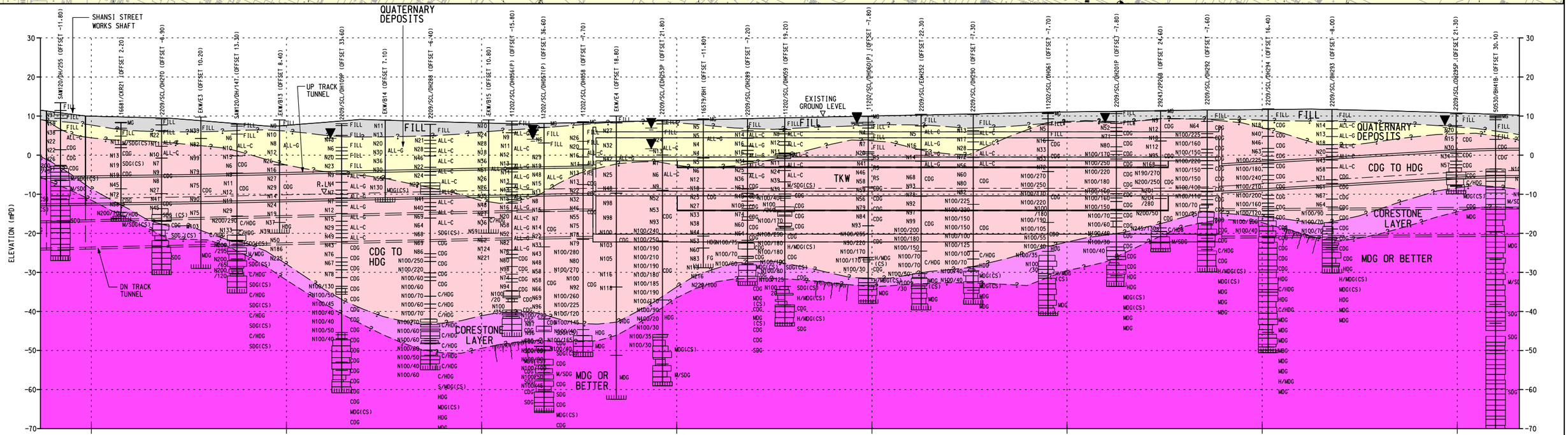

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METRES
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1109_GER_FIG_F006.dgn

TITLE
CONTRACT 1109
TKW AND MTW AND TUNNELS
EXISTING GROUND INVESTIGATION LOCATION PLAN AND GEOLOGICAL LONGITUDINAL SECTION
UP TRACK (SHEET 2 OF 4)

SCALE	DRAWING NO.	REV.
AS SHOWN	1109/GER/FIG/F006	–

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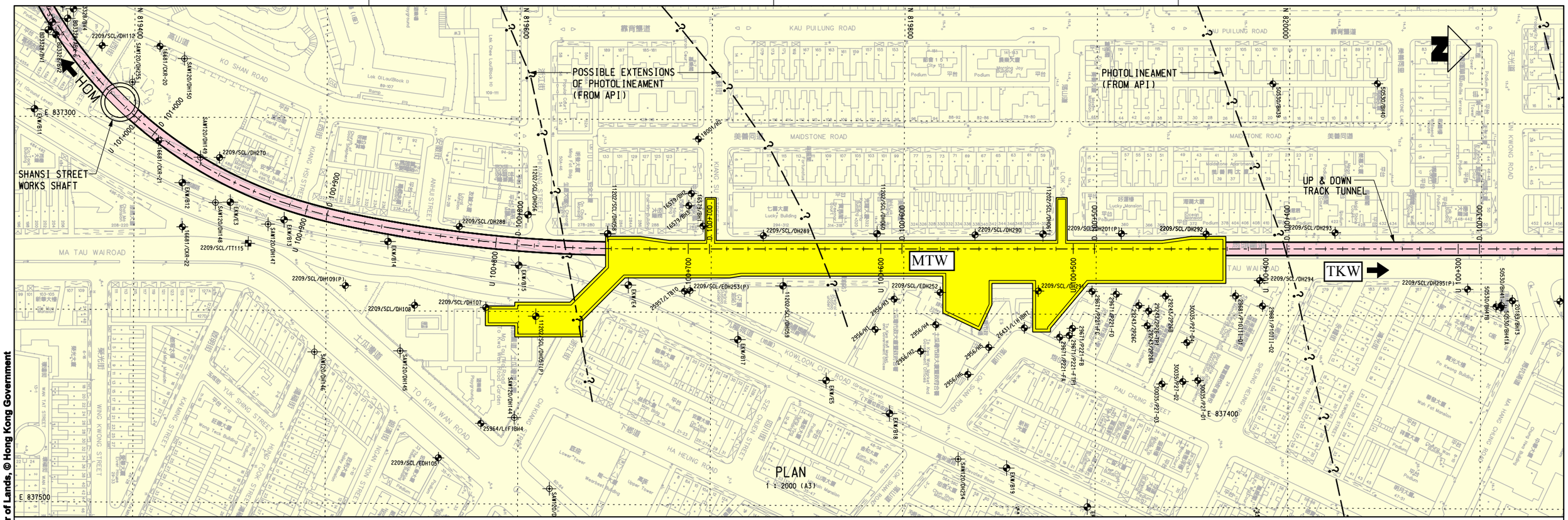

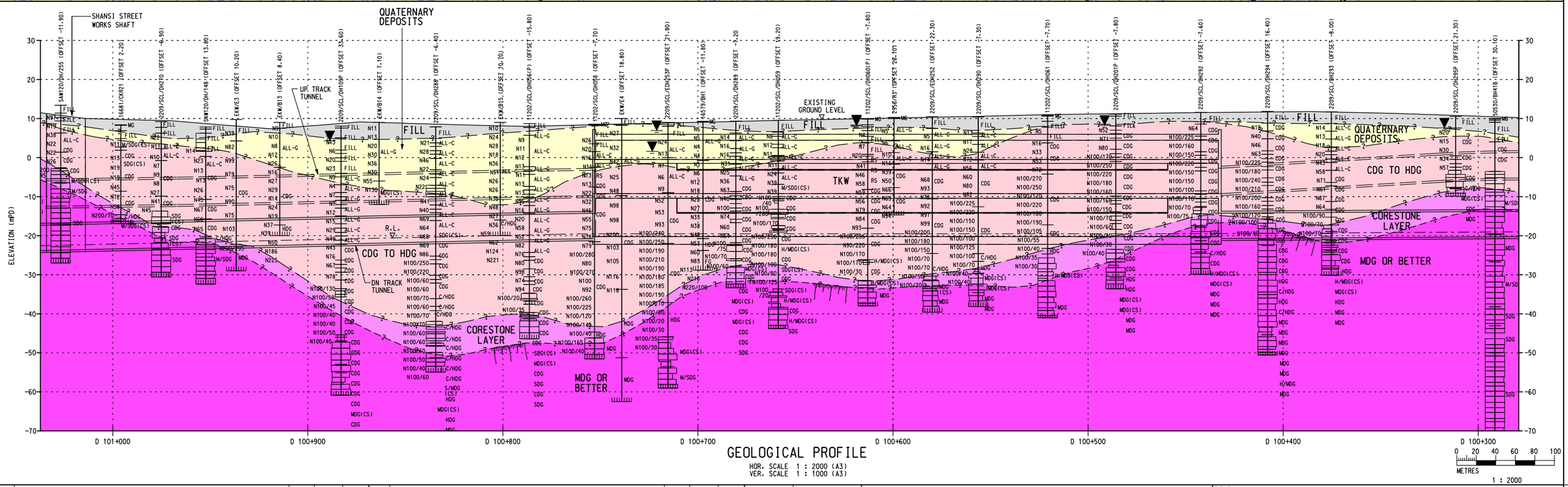

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APPROVED	JM
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CADD REF. 1109_GER_FIG_F002.dgn

TITLE

CONTRACT 1109
TKW AND MTW AND TUNNELS
EXISTING GROUND INVESTIGATION LOCATION PLAN AND GEOLOGICAL LONGITUDINAL SECTION DOWN TRACK (SHEET 2 OF 4)

SCALE: AS SHOWN

DRAWING NO. 1109/GER/FIG/F002

REV. –

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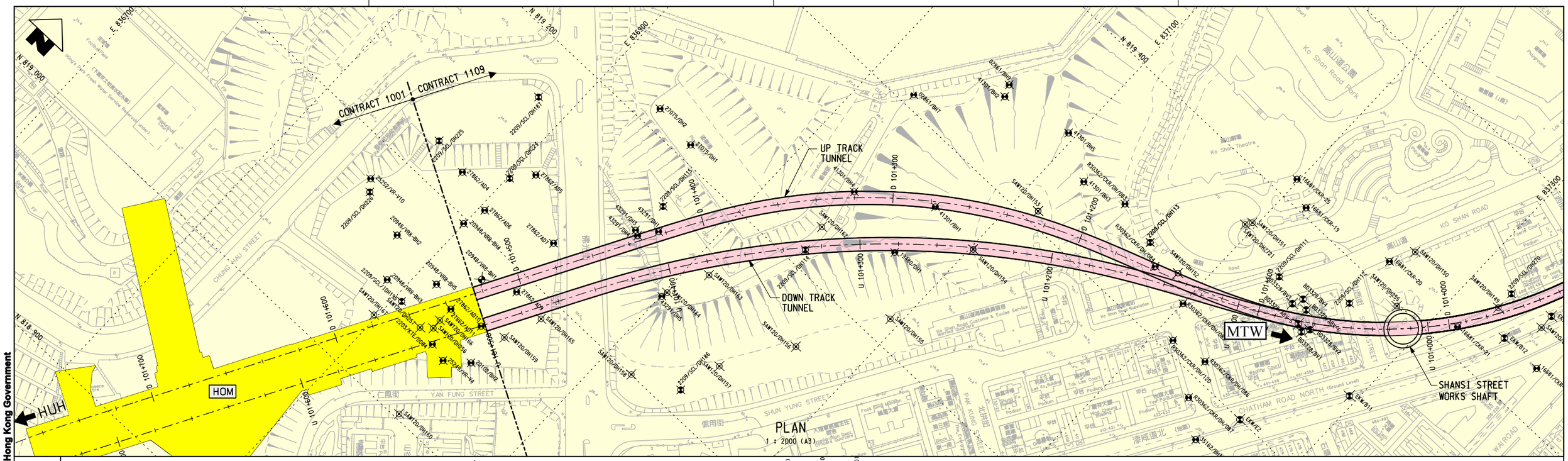

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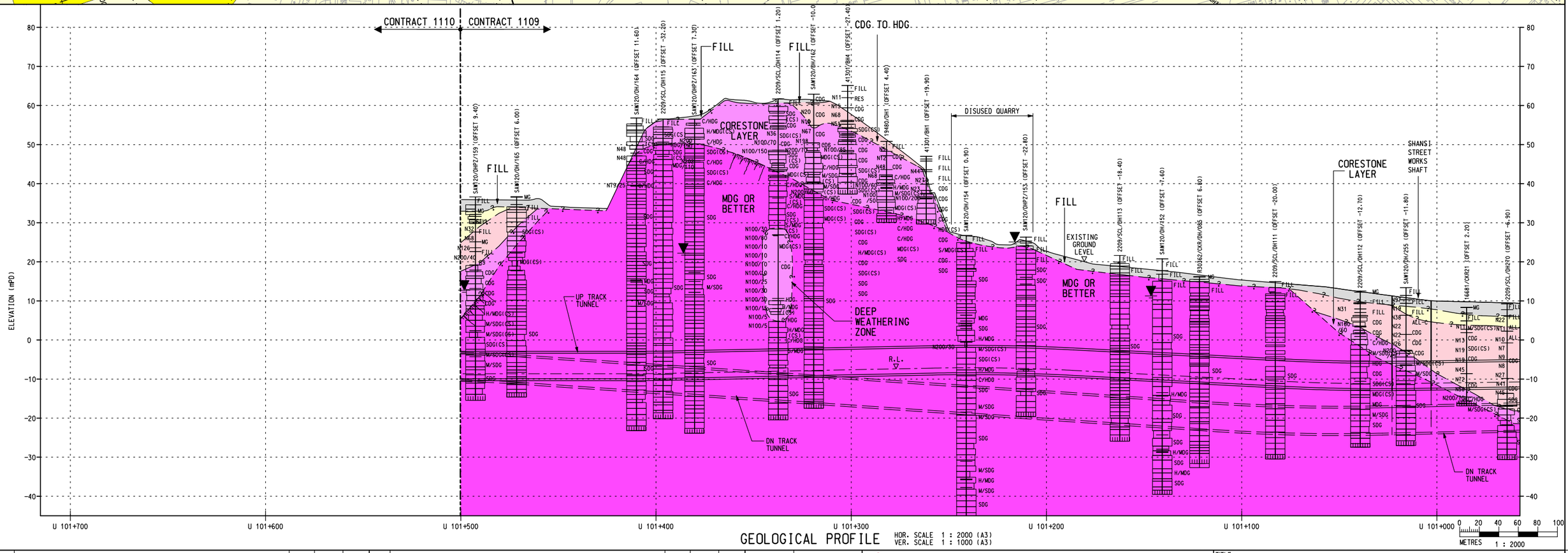

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CADD REF.
1109_GER_FIG_F005.dgn

TITLE
CONTRACT 1109
TKW AND MTW AND TUNNELS
EXISTING GROUND INVESTIGATION LOCATION PLAN AND GEOLOGICAL LONGITUDINAL SECTION
UP TRACK
(SHEET 1 OF 4)

SCALE	DRAWING NO.	REV.
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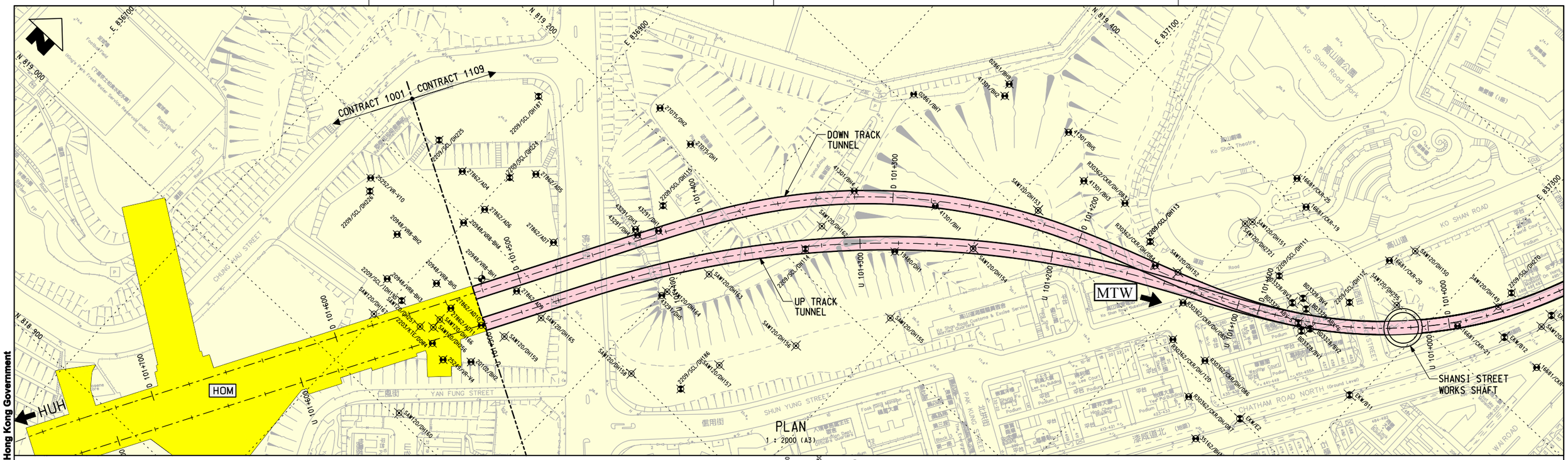

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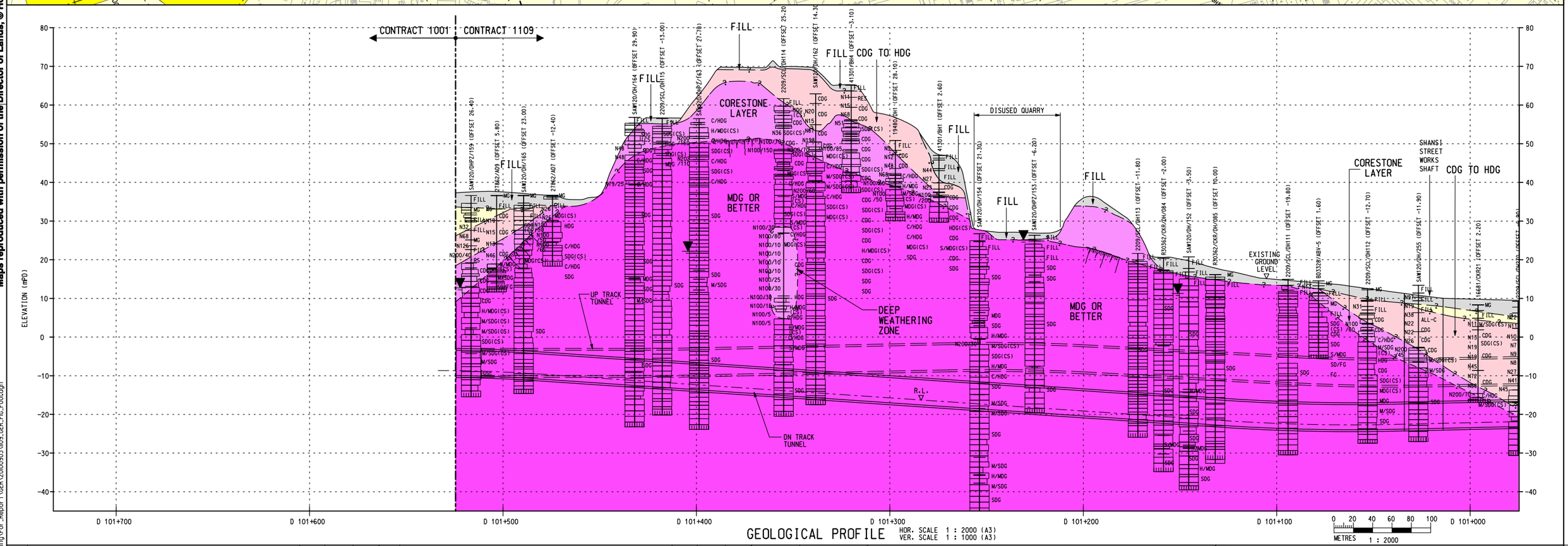

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CHECKED	PAT
APPROVED	JM
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CADD REF.
1109_GER_FIG_F001.dgn

TITLE
CONTRACT 1109
TKW AND MTW AND TUNNELS
EXISTING GROUND INVESTIGATION LOCATION PLAN AND GEOLOGICAL LONGITUDINAL SECTION DOWN TRACK
(SHEET 1 OF 4)

SCALE	DRAWING NO.	REV.
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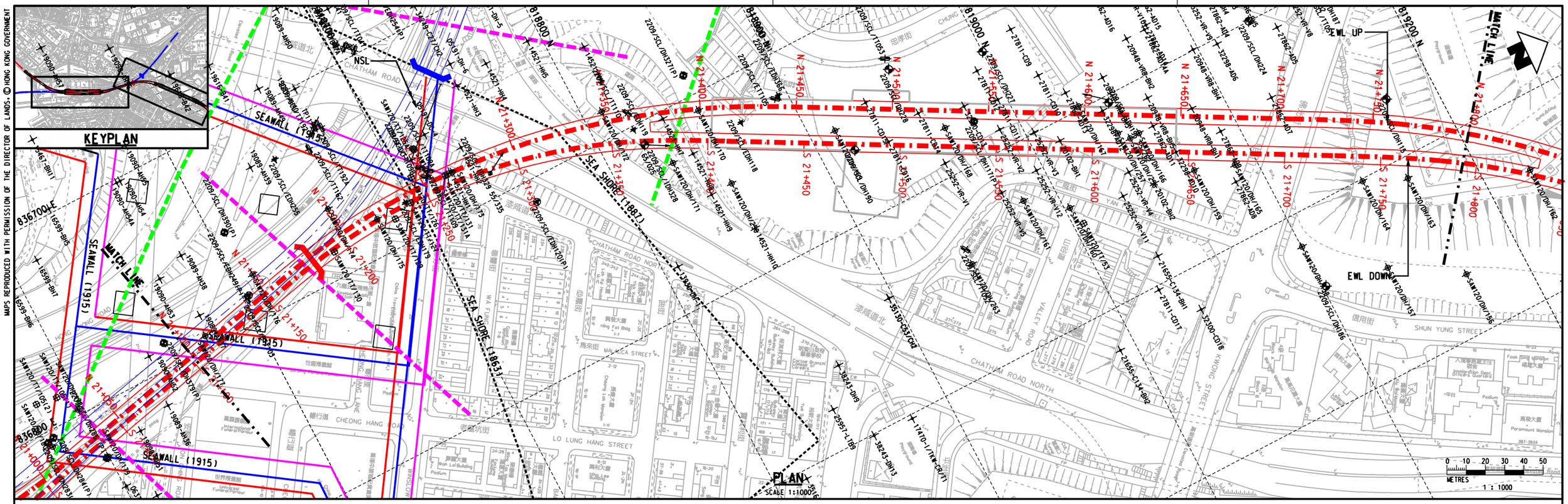

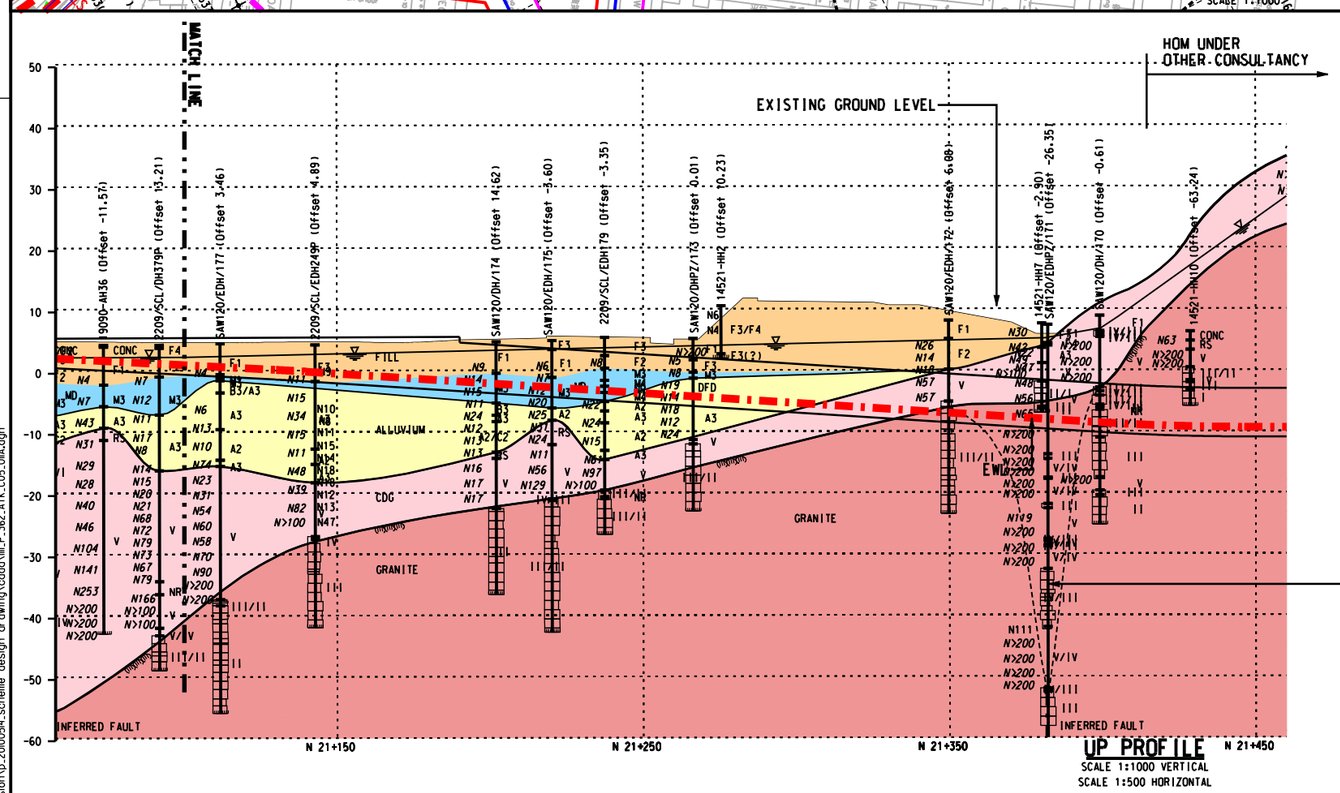

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DESIGNED	TP
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CADD REF. 1111_P_362_ATK_C05_011A.dgn

TITLE

CONTRACT 1111
HUH NAT AND RELATED WORKS
EWL - INFERRED GEOLOGICAL PROFILE (SHEET 2 OF 2)

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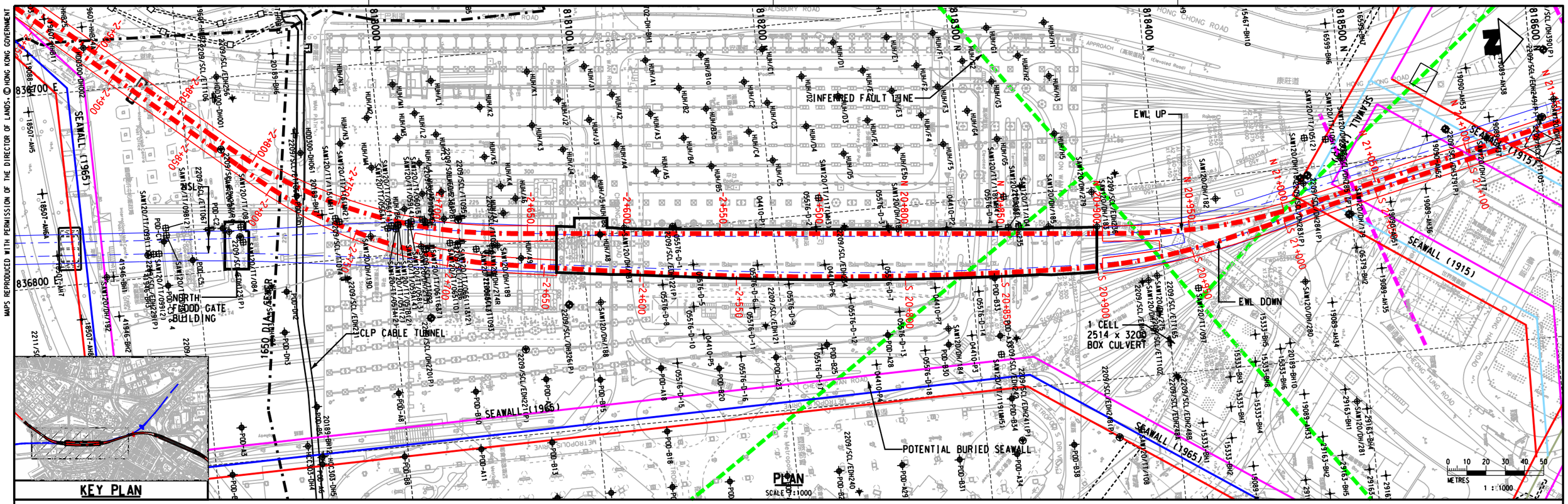

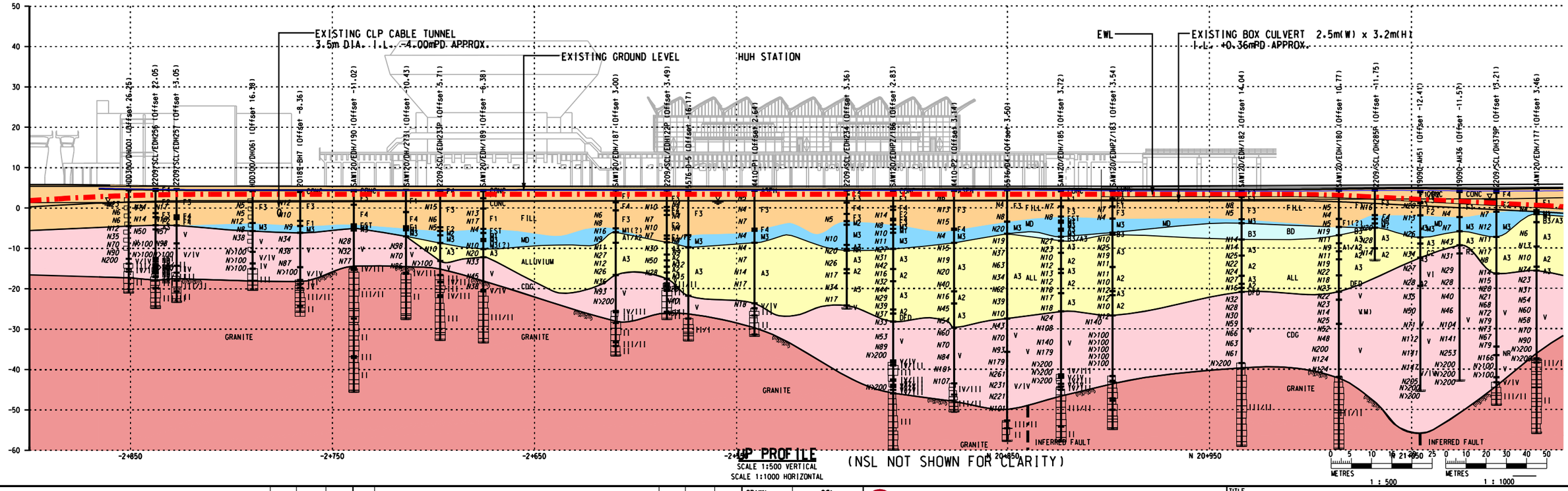

LP PROFILE

SCALE 1:500 VERTICAL
SCALE 1:1000 HORIZONTAL

(NSL NOT SHOWN FOR CLARITY)

REV	DESCRIPTION	BY	DATE	APPROVED
A	SCHEME DESIGN DRAWING ISSUE	CSL	14MAY10	GR

DRAWN	CSL
DESIGNED	TP
CHECKED	VA
APPROVED	GR
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MTR

SHATIN TO CENTRAL LINK

ORIGINATOR ATKINS

Supported by Aedas, PBA, Urbis, Widnell

CADD REF. 1111_P_HUH_ATK_C05_011A.dgn

TITLE

CONTRACT 1111
HUH NAT AND RELATED WORKS
EWL - INFERRED GEOLOGICAL PROFILE (SHEET 1 OF 2)

SCALE	DRAWING NO.	REV.
1 : 1000 (A1)	1111/P/HUH/ATK/C05/011	A

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