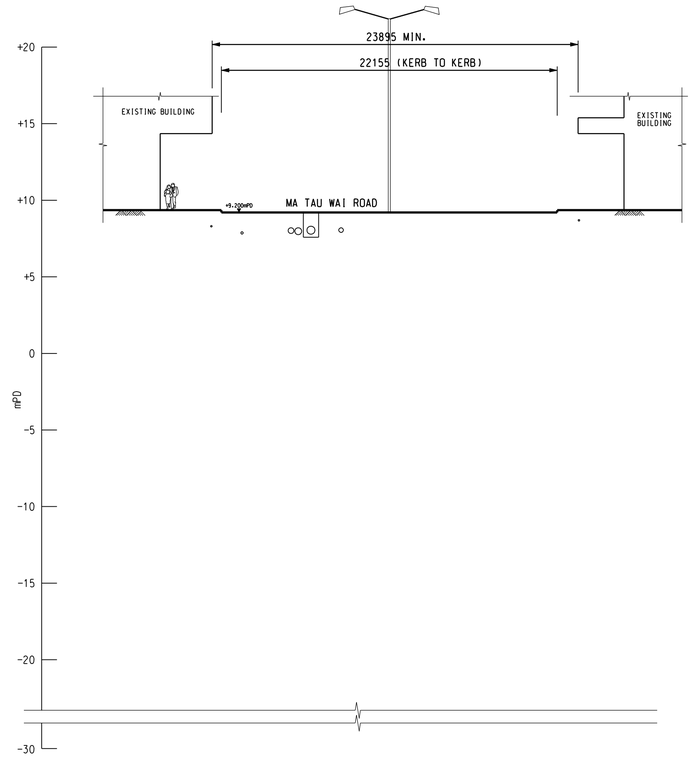
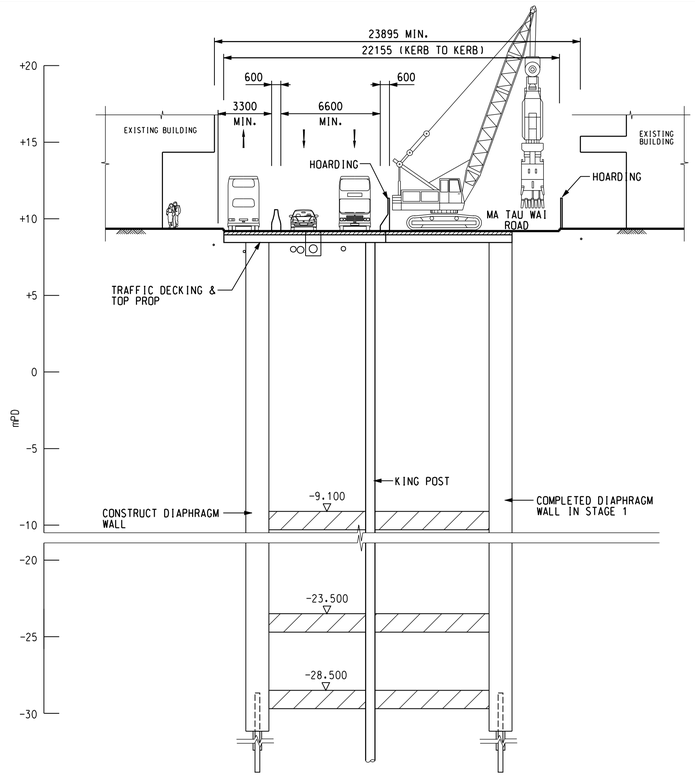


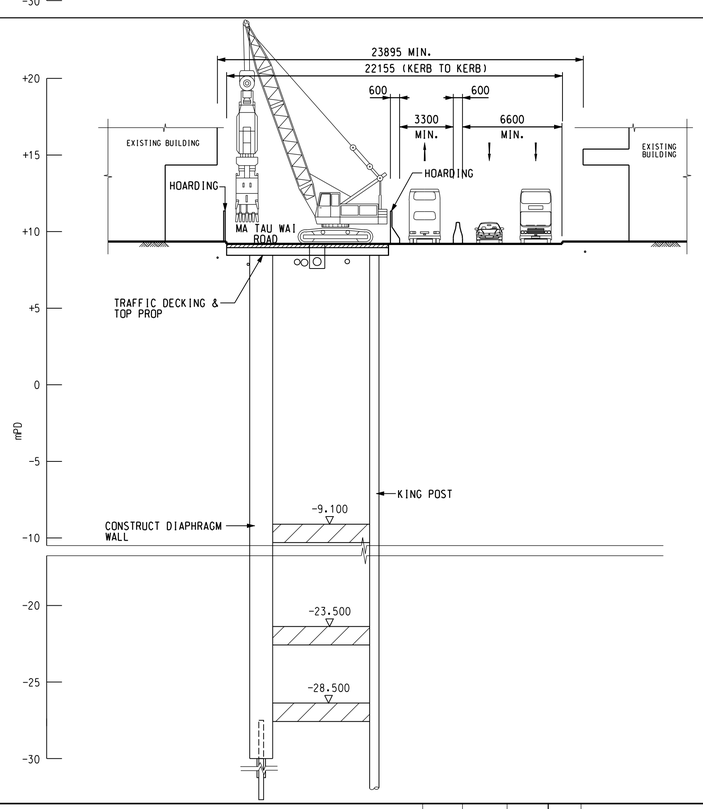
STAGE 0

1. CARRY OUT CONDITION SURVEY BEFORE CONSTRUCTION COMMENCE.
2. INSTALL MONITORING INSTRUMENTS AND CARRY OUT PROTECTION WORKS TO EXISTING BUILDINGS AS NECESSARY.
3. CARRY OUT PRE-CONSTRUCTION TRENCHING WORKS.
4. CARRY OUT DIVERSION OF UTILITIES.



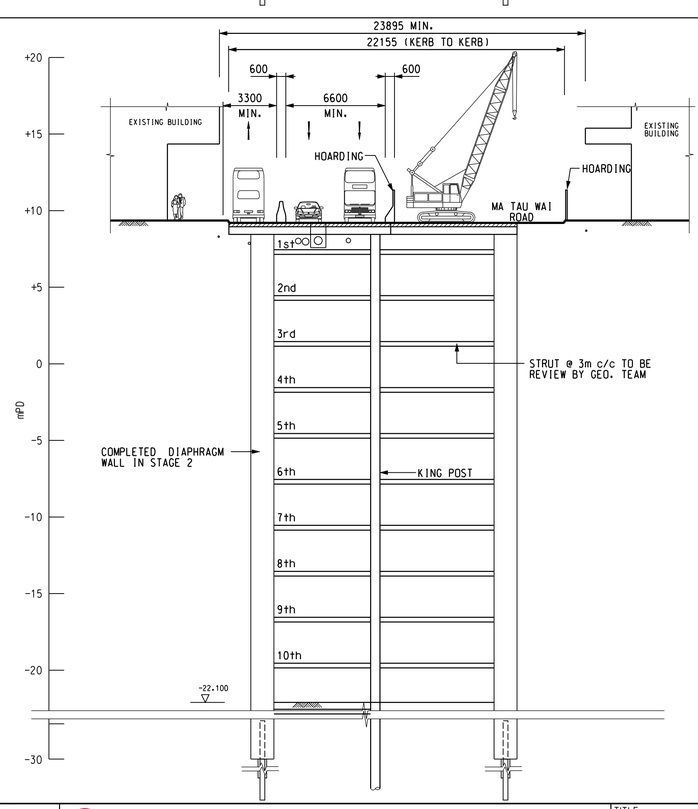
STAGE 2

1. SWITCH TRAFFIC MANAGEMENT ARRANGEMENT.
2. CARRY OUT UNDERPINNING WORK IF NECESSARY.
3. CONSTRUCT GUIDE WALLS.
4. CONSTRUCT DIAPHRAGM WALL WITH SHEAR PINS.
5. CONSTRUCT 610 DIA. SOCKET H-PILE AT 6m c/c. IF APPLICABLE.
6. BETWEEN GRID LINE 1 TO 4, INSTALL 1.2m THICK JET GROUT SLAB AT -9.1mPD AND 2m THICK JET GROUT SLAB AT -23.5mPD AND -28.5mPD.
7. EXCAVATE AND SUPPORT SECOND HALF OF TOP PROP AND TRAFFIC DECKING.
8. CARRY OUT PUMPING TEST (WATER TABLE LOWERED INSIDE BOX TO UNDERSIDE OF BASE SLAB -22.100 mPD).
9. ON SUCCESSFUL COMPLETION OF PUMPING TEST ALLOW WATER TABLE RECOVERY.



STAGE 1

1. REMOVE OVERHEAD SIGNS. RE-LOCATE BUS STOP.
2. SET UP TRAFFIC MANAGEMENT ARRANGEMENT. AND TEMPORARY STREET LIGHTING. MODIFY EXISTING FOOTPATH.
3. CARRY OUT UNDERPINNING WORK IF NECESSARY.
4. CONSTRUCT GUIDE WALLS.
5. ERECT PORTABLE BARRIER AND CONSTRUCT DIAPHRAGM WALL. RE-LOCATE CROSSINGS AND EVA LAY-BYES AS REQUIRED.
6. INSTALL SHEAR PINS, IF SHALLOW ROCKHEAD ENCOUNTERED.
7. CONSTRUCT 610 DIA. SOCKET H-PILE AT 6m c/c. IT WILL USE AS KING POST DURING CONSTRUCTION STAGE.
8. BETWEEN GRID LINE 1 TO 4, INSTALL 1.2m THICK JET GROUT SLAB AT -9.1mPD AND 2m THICK JET GROUT SLAB AT -23.5mPD AND -28.5mPD.
9. EXCAVATE AND SUPPORT FIRST HALF OF TOP PROP AND TEMPORARY TRAFFIC DECKING.



STAGE 3

1. EXCAVATE UNDER DECKING, SUPPORTING UTILITIES. EXCAVATE TO 0.5m BELOW STRUT LEVEL.
2. DEWATERING TO 0.5m BELOW EXCAVATION LEVEL.
3. INSTALL TEMPORARY STEEL STRUT.
4. REPEAT STEP 1 TO 3 UNTIL FINAL EXCAVATION LEVEL REACHED. REMOVE THE 1.2m JET GROUT SLAB AT -9.1mPD.
5. INSTALL AND TEST EARTH MAT.

REV	DESCRIPTION	BY	DATE	APPROVED	REV	DESCRIPTION	BY	DATE	APPROVED

DRAWN	CCP
DESIGNED	SY
CHECKED	ML
APPROVED	IMW
DATE	14/AUG/2009

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ORIGINATOR

AECOM

in association with Atkins, PBA, Aedas, MVA, EDAW, and DLS

CADD REF. NEX2201_C_LOM_ATK_C10_302.dgn

TITLE

NEX/2201 - TAW TO HUH SECTION

PRELIMINARY DESIGN

CONSTRUCTION SEQUENCE FOR **TYPICAL** STATION (SECTION A) (SHEET 1 OF 3)

SCALE	FIGURE NO.	REV.
1 : 400 (A3)	7.302	B

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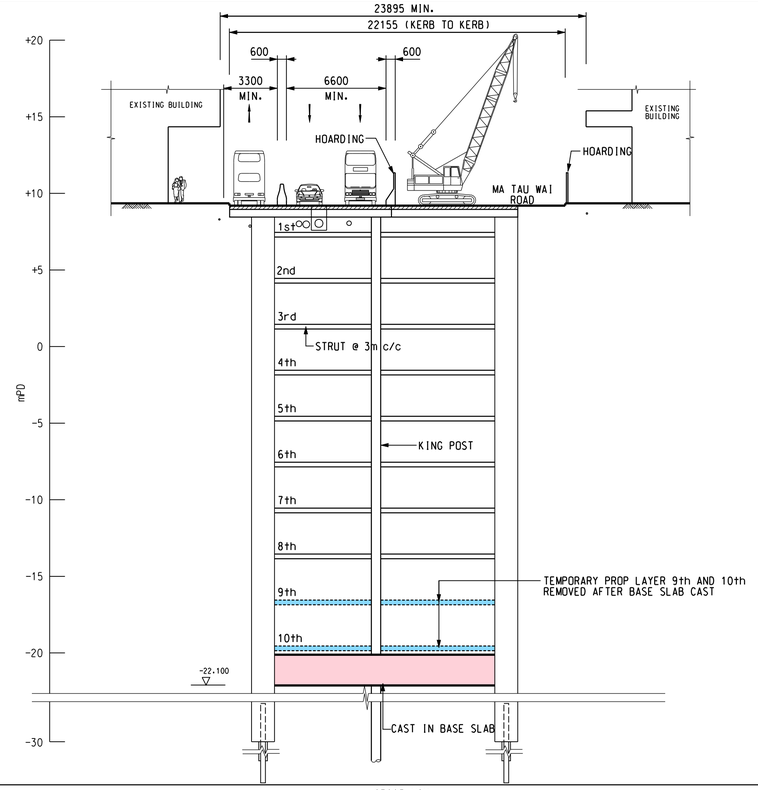
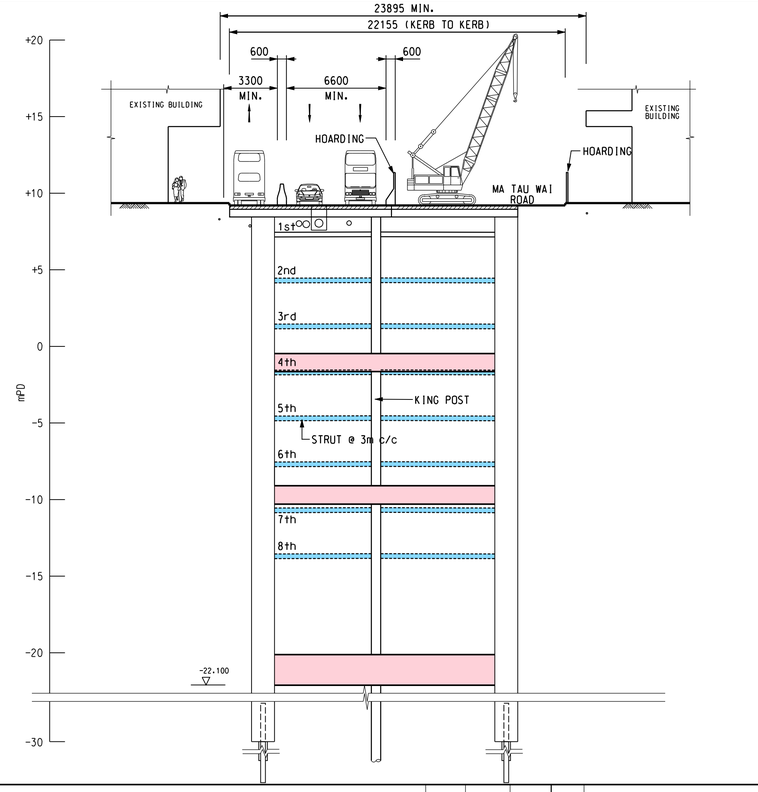


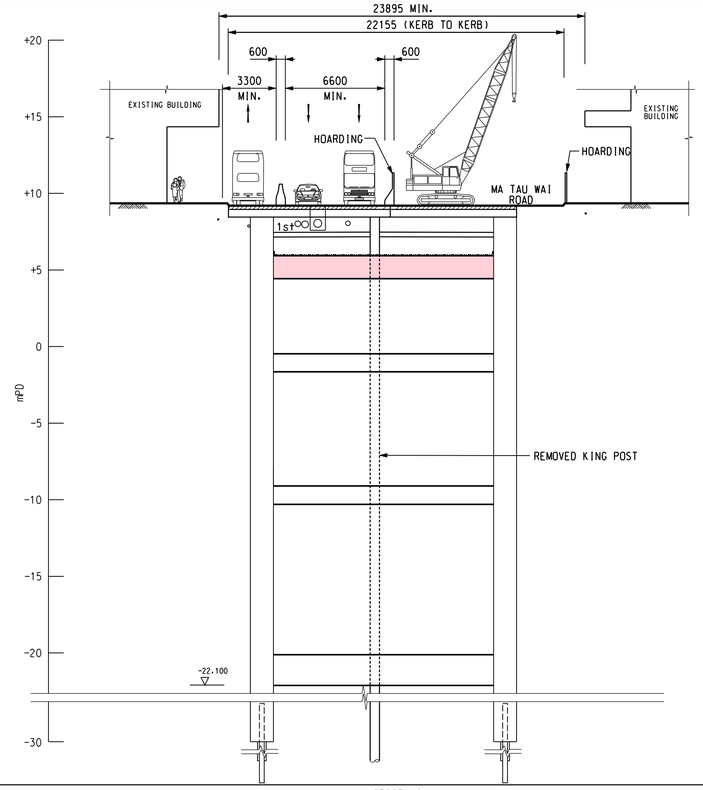
STAGE 4

1. CAST BASE SLAB.
2. REMOVE TEMPORARY PROP LAYER 9th AND 10th.



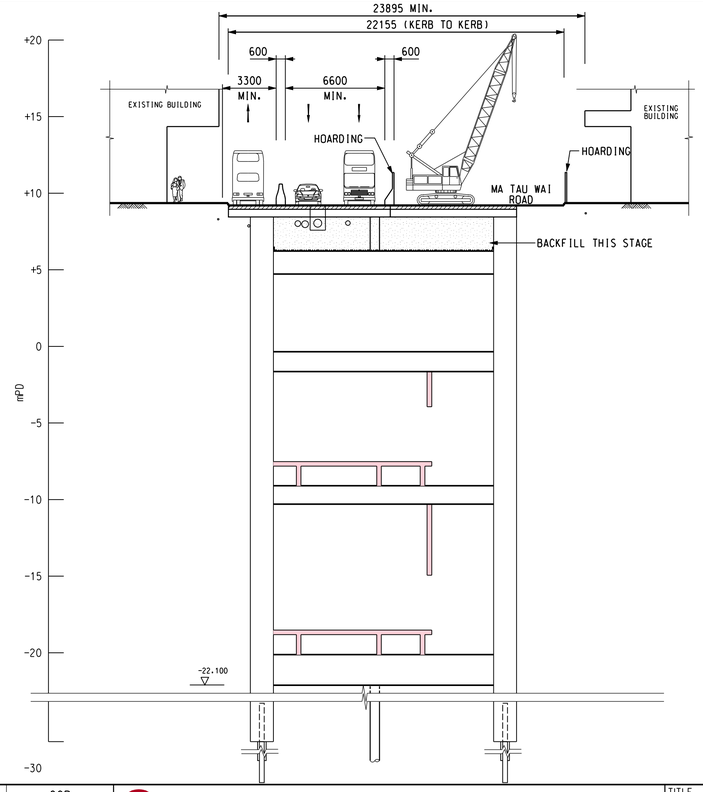
STAGE 5

1. CAST UPPER TRACK SLAB.
2. REMOVE TEMPORARY PROP LAYER 4th, 5th, 6th 7th AND 8th.
3. CAST CONCOURSE SLAB.
4. REMOVE TEMPORARY PROP LAYER 2nd AND 3rd.



STAGE 6

1. CAST ROOF SLAB.
2. COMPLETE WATERPROOFING TO STATION ROOF.
3. COMPLETE STATION FIT OUT WORK.
4. REMOVE KING POST ABOVE BASE SLAB. LEFT-IN KING POST BELOW BASE SLAB AS TENSION PILE.



STAGE 7

1. CAST PLATFORM SLAB.
2. BACKFILL OVER UPPER ROOF SLAB TO UNDERSIDE OF TRAFFIC DECKING
3. RECHARGE WATER TO RESTORE ORIGINAL GROUND WATER LEVEL.
4. REINSTATE UTILITIES

REV	DESCRIPTION	BY	DATE	APPROVED	REV	DESCRIPTION	BY	DATE	APPROVED

DRAWN	CCP
DESIGNED	SY
CHECKED	ML
APPROVED	IMW
DATE	14/AUG/2009

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CADD REF. NEX2201_C_LOM_ATK_C10_303.dgn

TITLE

NEX/2201 - TAW TO HUH SECTION

PRELIMINARY DESIGN

CONSTRUCTION SEQUENCE FOR **TYPICAL** STATION (SECTION A) (SHEET 2 OF 3)

SCALE	FIGURE NO.	REV.
1 : 400 (A3)	7.303	B

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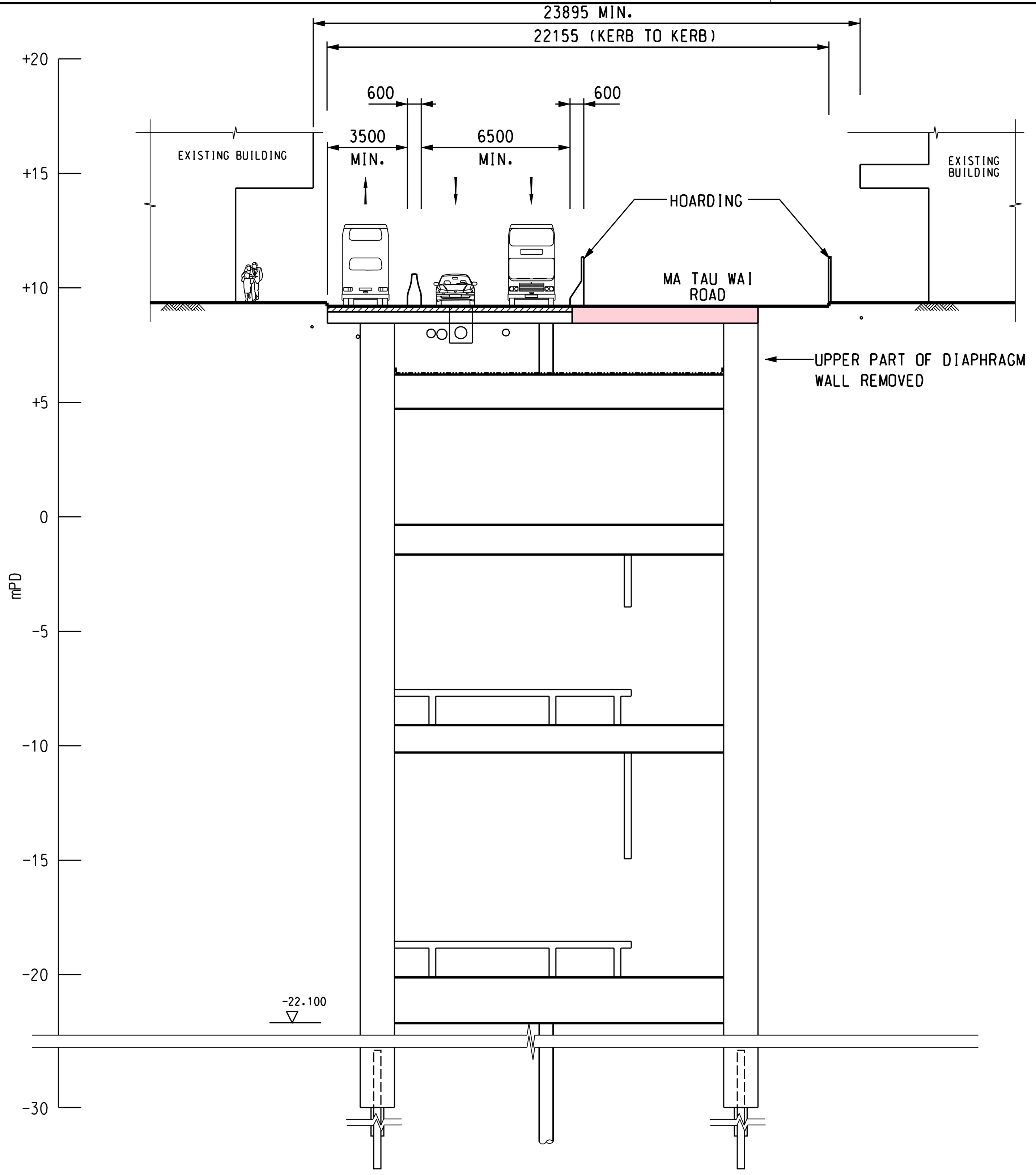
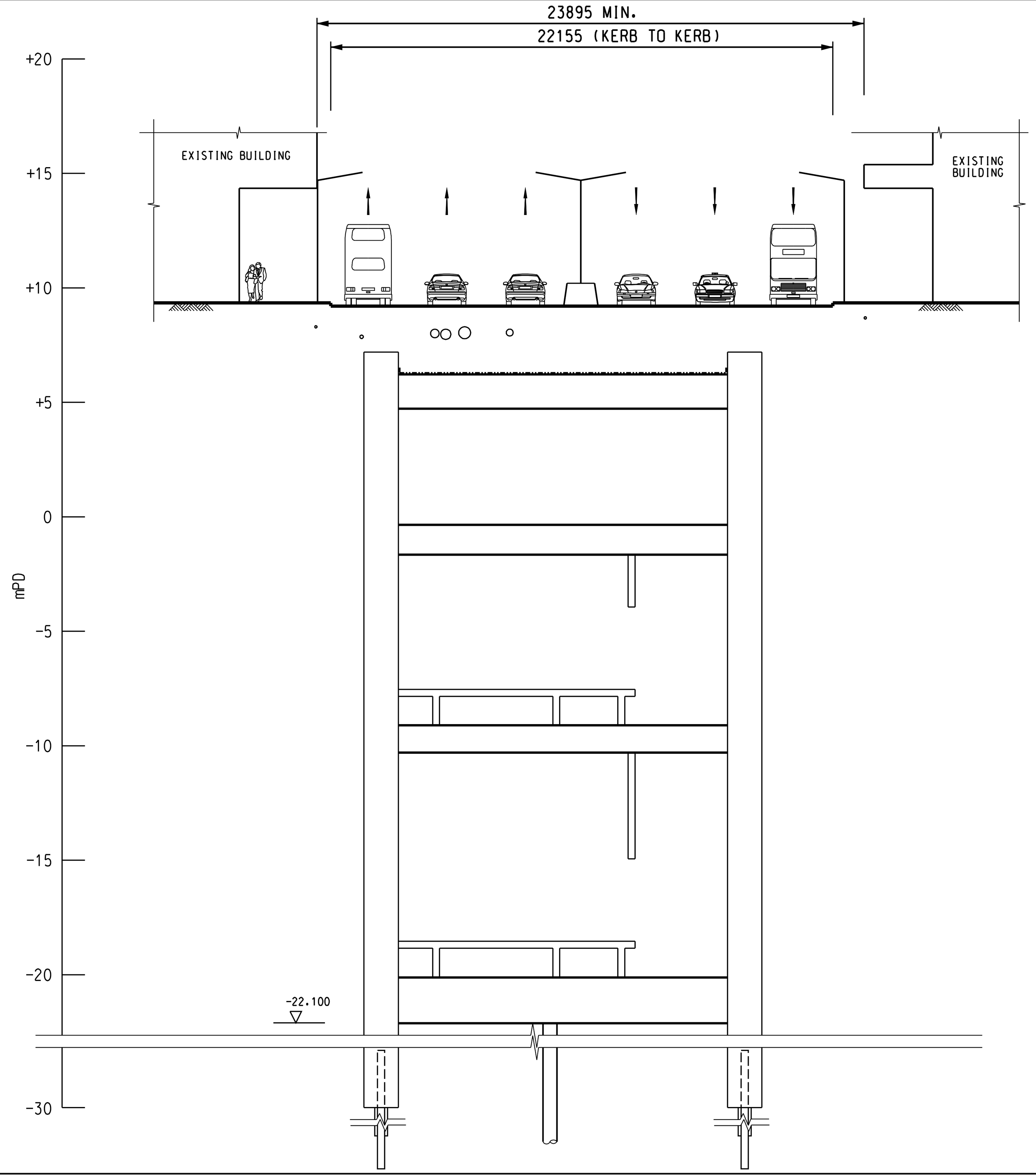


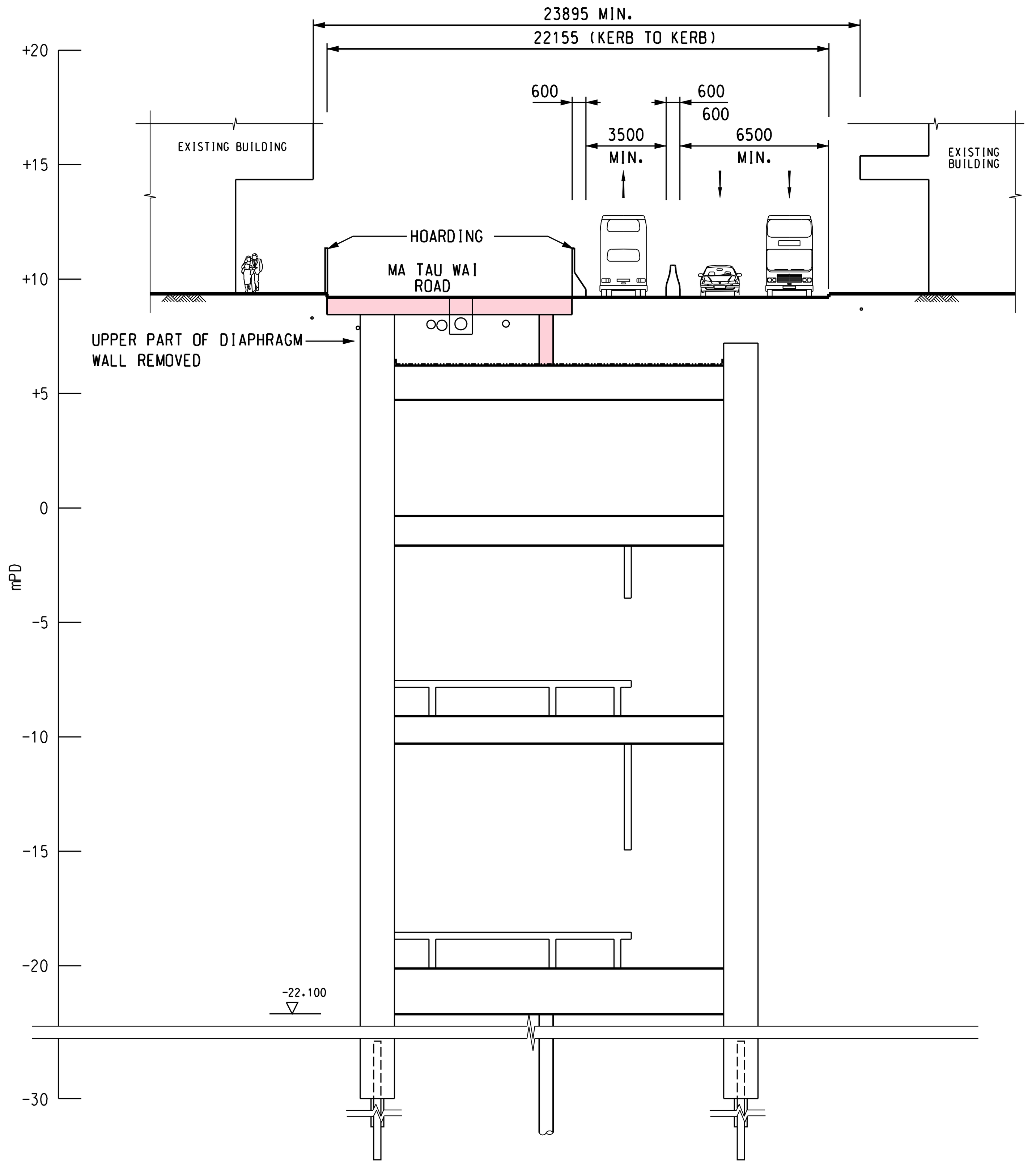
STAGE 8

1. RE-ARRANGE TRAFFIC MANAGEMENT.
2. REMOVE DECKING ON ONE HALF OF ROAD.
3. REMOVE UPPER 2m OF DIAPHRAGM WALL.
4. REINSTATE ROAD.



STAGE 10

1. STATION STRUCTURE COMPLETED.



STAGE 9

1. RE-ARRANGE TRAFFIC MANAGEMENT.
2. REMOVE REMAINDER OF TRAFFIC DECKING.
3. REMOVE UPPER 2m OF DIAPHRAGM WALL.
4. REINSTATE REMAINING OF ROAD.

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APPROVED	IMW
DATE	14/AUG/2009

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ORIGINATOR

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CADD REF. NEX2201_C_LOM_ATK_C10_304.dgn

TITLE

NEX/2201 - TAW TO HUH SECTION
PRELIMINARY DESIGN
CONSTRUCTION SEQUENCE FOR TYPICAL STATION (SECTION A)
(SHEET 3 OF 3)

SCALE 1 : 400 (A3) | FIGURE NO. 7.304 | REV. B

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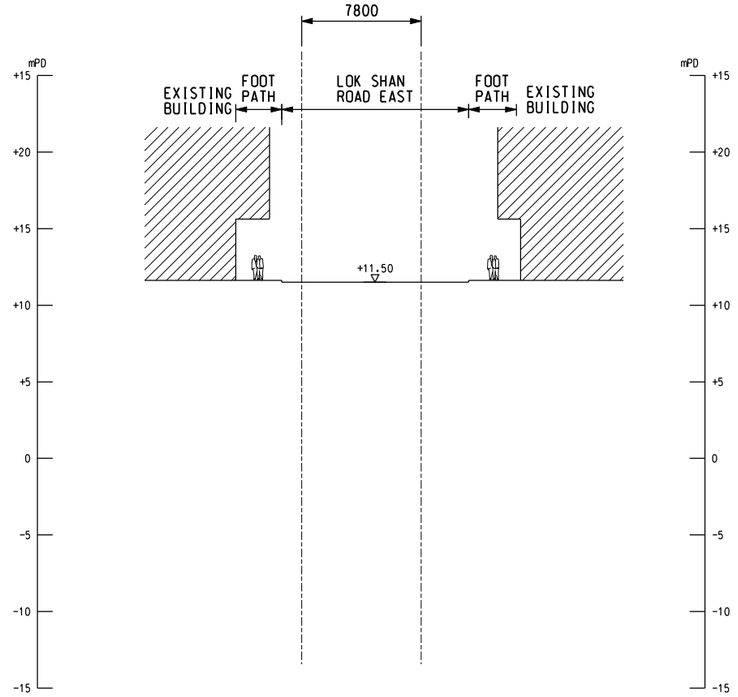
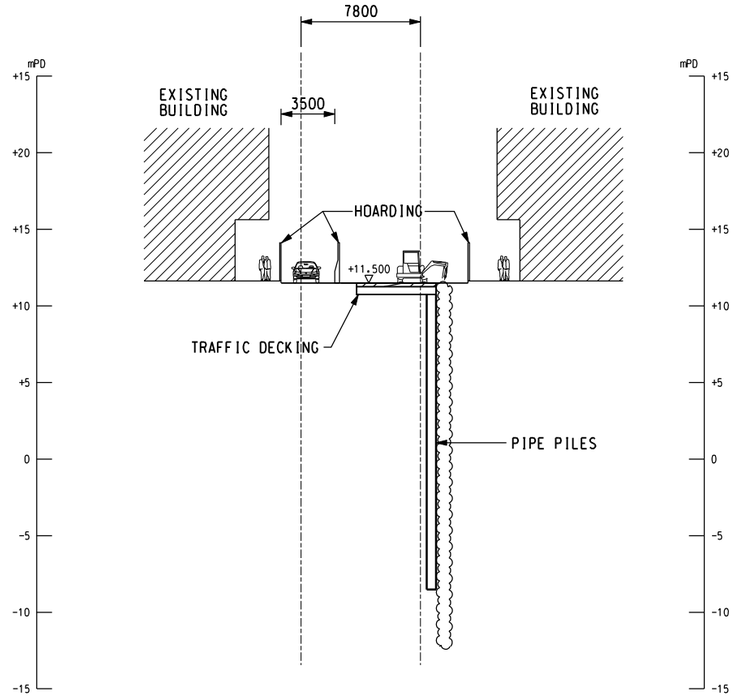


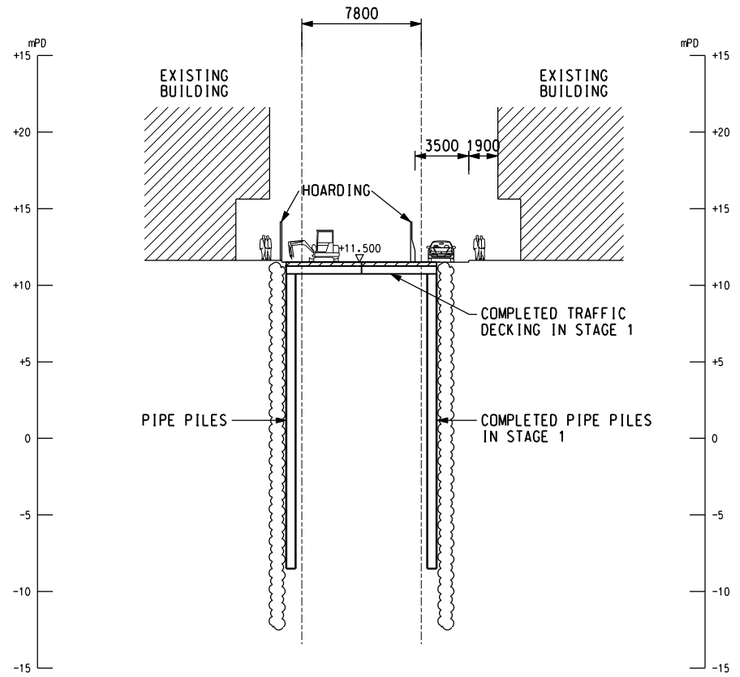
STAGE 0

1. CARRY OUT CONDITION SURVEY BEFORE CONSTRUCTION COMMENCE.
2. CARRY OUT PRE-CONSTRUCTION TRENCHING WORKS.
3. CARRY OUT UTILITY DIVERSION.



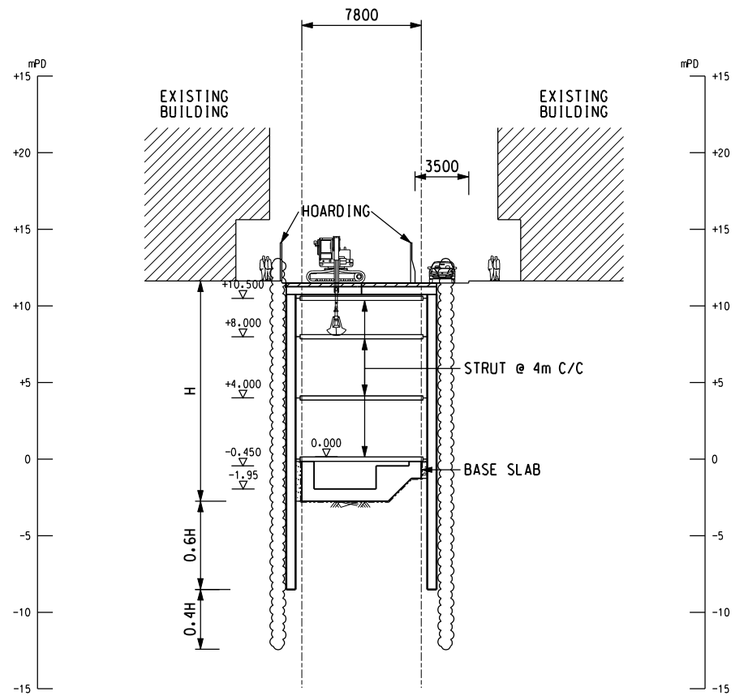
STAGE 1

1. REMOVE OVERHEAD SIGNS.
2. SET UP TRAFFIC MANAGEMENT ARRANGEMENT.
3. INSTALL PIPE PILES (DEPTH REFER TO STAGE 4).
4. INSTALL GROUT CURTAIN.
5. EXCAVATE AND INSTALL FIRST PORTION OF TEMPORARY TRAFFIC DECKING.



STAGE 2

1. SWITCH TRAFFIC MANAGEMENT ARRANGEMENT.
2. INSTALL PIPE PILES (DEPTH REFER TO STAGE 4).
3. INSTALL GROUT CURTAIN.
4. EXCAVATE AND SUPPORT SECOND PORTION OF TRAFFIC DECKING AND CONNECT THE TRAFFIC DECKING BETWEEN SATGE 1 & STAGE 2.
5. CARRY OUT PUMPING TEST. WATER TABLE LOWERED INSIDE EXCAVATION AREA TO UNDERSIDE OF BASE SLAB.
6. ON SUCCESSFUL COMPLETION OF PUMPING TEST ALLOW WATER TABLE RECOVERY.



STAGE 3

1. EXCAVATE UNDER DECKING, SUPPORTING UTILITIES.
2. DEWATERING TO 0.5m BELOW EXCAVATION LEVEL.
3. EXCAVATE TO 0.5m BELOW STRUT LEVEL.
4. INSTALL TEMPORARY STRUT.
5. REPEAT STEP 2 TO 4 UNTIL FINAL EXCAVATION LEVEL REACHED.
6. CAST BASE SLAB OF ENTRANCE STRUCTURE.

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TITLE

NEX/2201 - TAW TO HUH SECTION
PRELIMINARY DESIGN
TYPICAL ADIT CONSTRUCTION SEQUENCE (SHEET 1 OF 2)

SCALE	FIGURE NO.	REV.
1 : 400 (A3)	7.305	B

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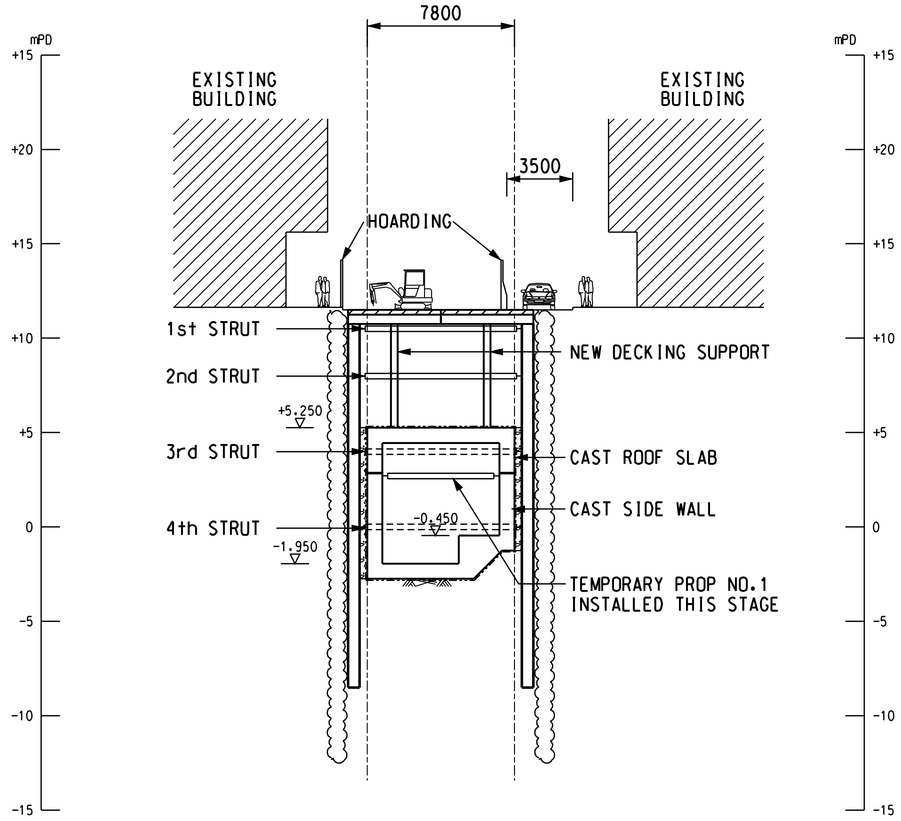
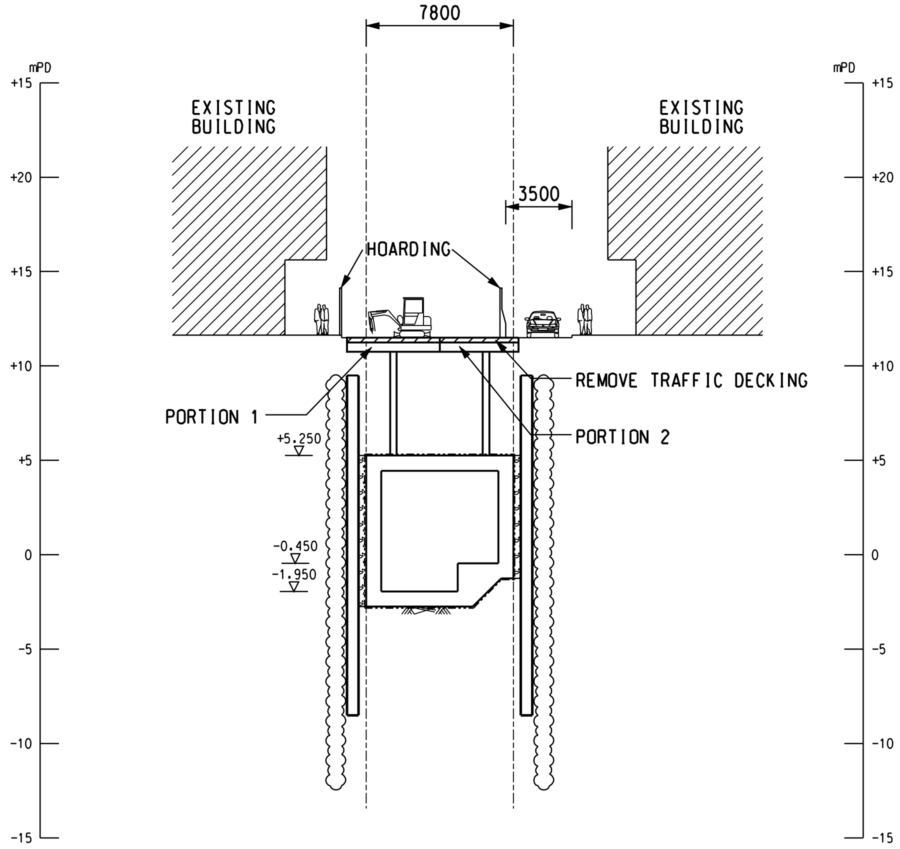


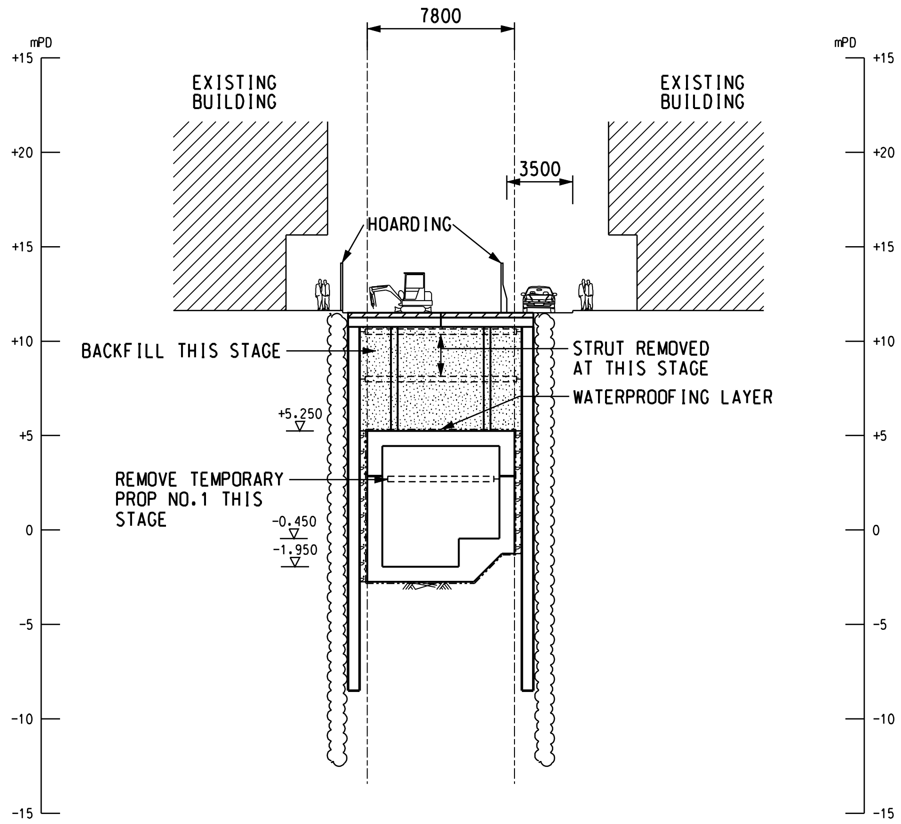
STAGE 4

1. REMOVE 4th LAYER TEMPORARY STRUT.
2. CAST SMOOTHING LAYER AGAINST EXCAVATED SURFACE FOR LOWER PORTION SIDE WALL.
3. INSTALL WATERPROOFING LAYER.
4. INFILL CONCRETE BETWEEN ENTRANCE STRUCTURE AND EXCAVATED SURFACE EXTEND WATERPROOFING.
5. CAST ENTRANCE SIDE WALL TO BOTTOM OF 3rd LAYER OF TEMPORARY STRUT.
6. INSTALL TEMPORARY PROP NO.1.
7. REMOVE 3rd LAYER TEMPORARY STRUT.
8. CAST SMOOTHING LAYER AND EXTEND WATER PROOF LAYER.
9. CAST REMAINING POSTION OF ENTRANCE SIDE WALL AND CAST ROOF SLAB.
10. SUPPORT TRAFFIC DECKING ON ROOF SLAB.



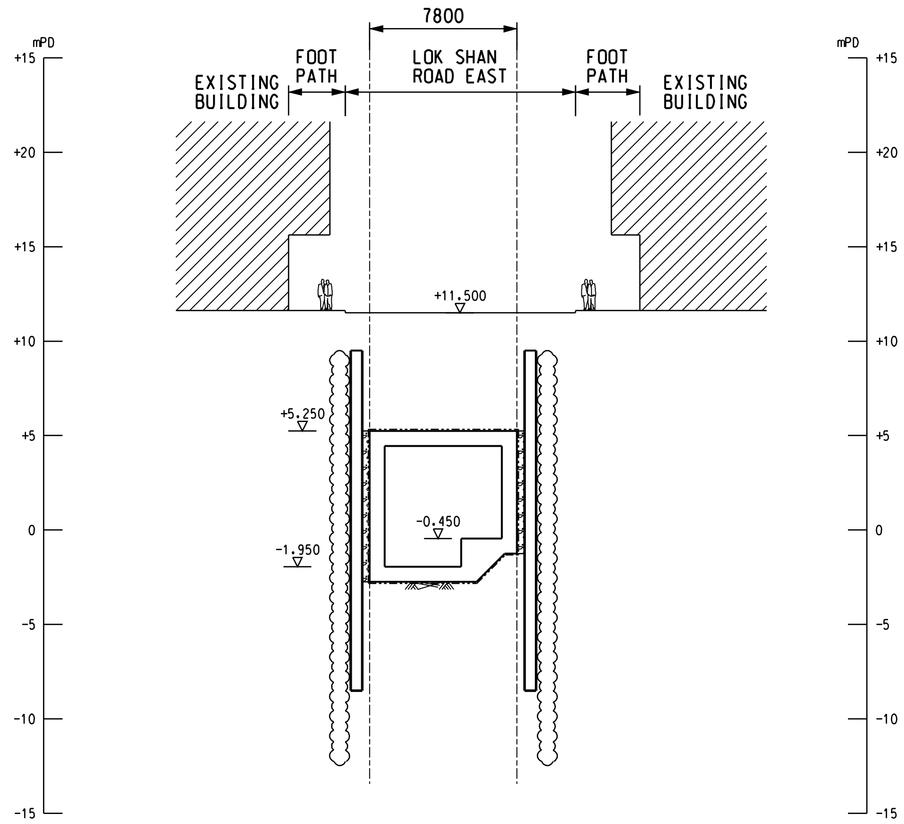
STAGE 6

1. REMOVAL OF TRAFFIC DECKING AND PIPE PILES WALL FOR PORTION 1 TO 2m BELOW GROUND LEVEL.
2. REINSTATE ROAD FOR PORTION 1.
3. RE-ARRANGE TRAFFIC MANAGEMENT.
4. REMOVAL OF TRAFFIC DECKING AND PIPE PILES WALL FOR PORTION 2 TO 2m BELOW GROUND LEVEL.
5. REINSTATE REMAINING OF ROAD TO PORTION 2.



STAGE 5

1. REMOVE TEMPORARY PROP NO. 1.
2. COMPLETE ENTRANCE FIT OUT WORKS.
3. COMPLETE INFILL PANELS ON ROOF SLAB.
4. COMPLETE WATERPROOFING AND PROTECTION LAYER TO ROOF SLAB.
5. REMOVE 2nd LAYER OF TEMPORARY STRUT AND TEMPORARY PROP No.1.
6. BACKFILL TO UNDERSIDE OF TRAFFIC DECKING AND REMOVE 1st LAYER OF STRUT.
7. REINSTATE UTILITIES.
8. RECHARGE WATER TO RESTORE ORIGINAL GROUND WATER LEVEL.



STAGE 7

1. ENTRANCE STRUCTURE COMPLETED.

0 2 4 6 8 10
METRES
1 : 400

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TITLE

NEX/2201 - TAW TO HUH SECTION

PRELIMINARY DESIGN

TYPICAL ADIT CONSTRUCTION SEQUENCE (SHEET 2 OF 2)

SCALE 1 : 400 (A3)

FIGURE NO. 7.306

REV. B

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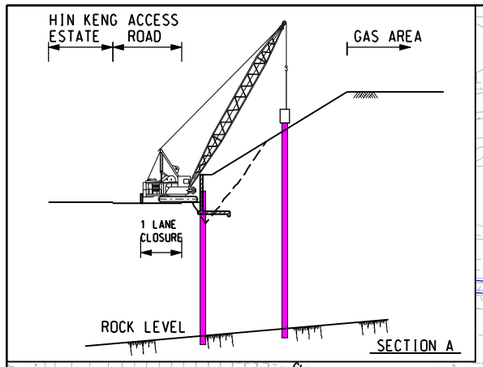
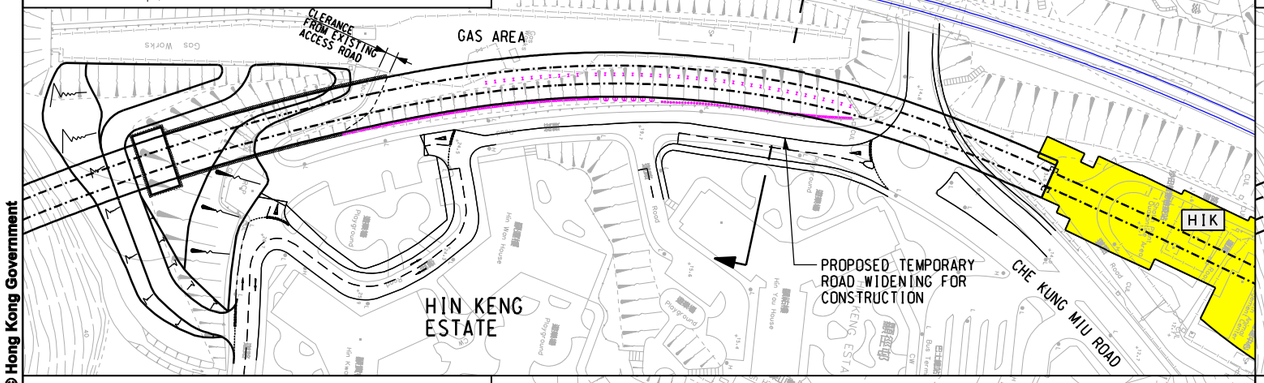
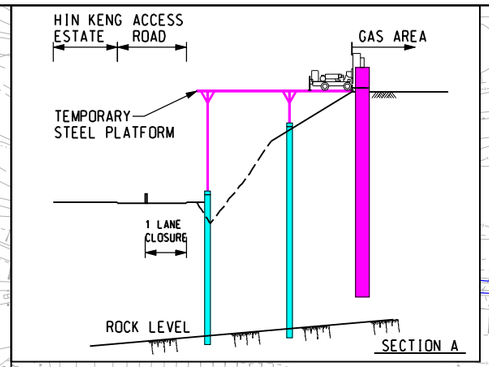


STAGE 1

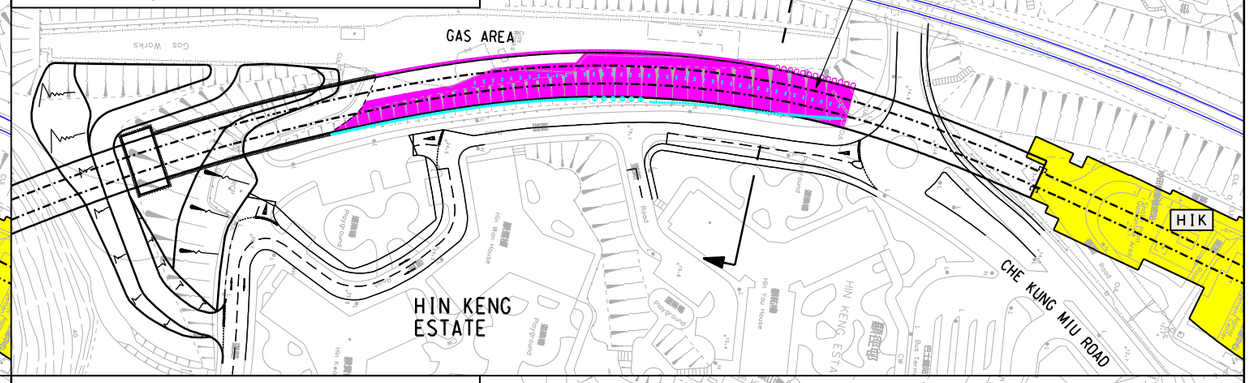
1. DEMOLISION OF EXISTING RETAINING WALL
2. FORMATION OF TEMPORARY CUT SLOPE
3. INSTALLATION OF SOLDIER PILES, PIPE PILES AND PRE-BORED H-PILES

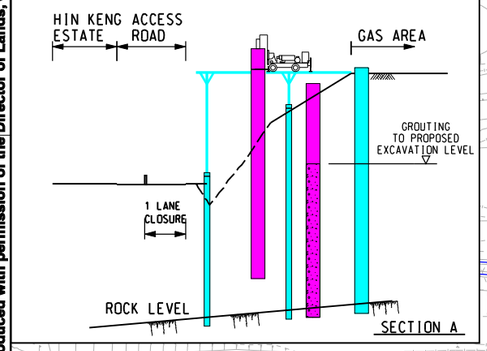




STAGE 2

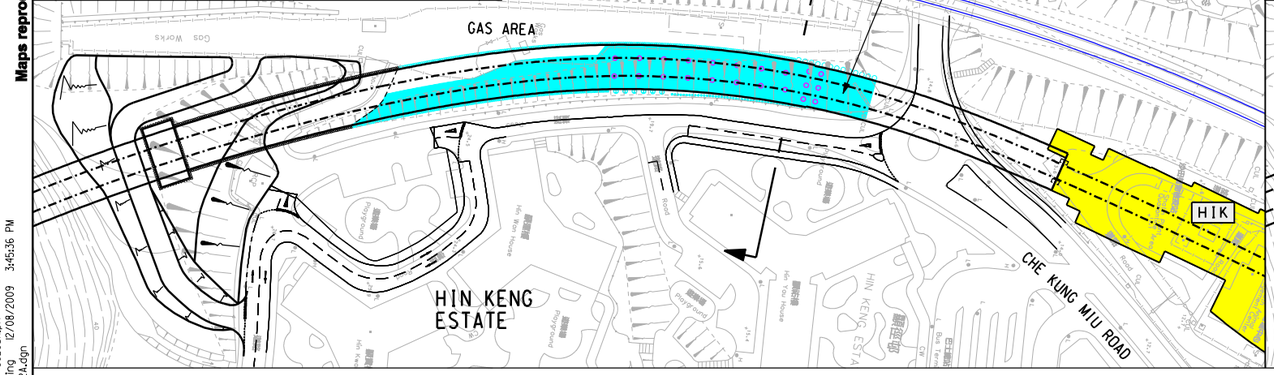
1. ERECTION OF TEMPORARY STEEL PLATFORM
2. INSTALLATION OF PIPE PILES AND BORED PIPES

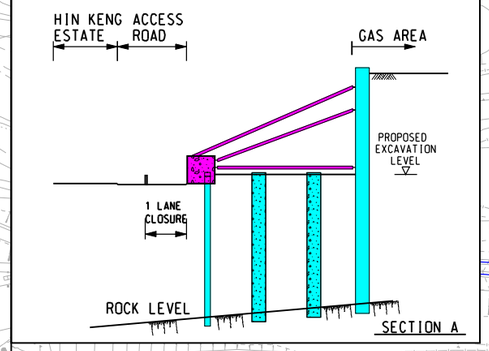




STAGE 3

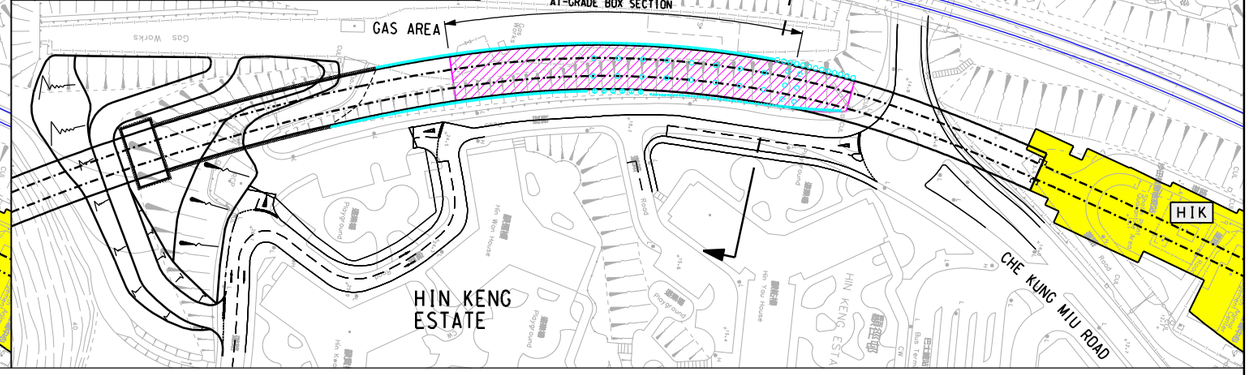
1. CONSTRUCTION OF BORED PILES FOR AT-GRADE BOX SECTION AND ABUTMENT





STAGE 4

1. REMOVAL OF STEEL PLATFORM
2. PLACEMENT OF CONCRETE BLOCKS AND INSTALLATION OF HORIZONTAL STRUTS
3. EXCAVATION



LEGEND:

- PROPOSED STATION FOOTPRINT
- EXISTING EAST RAIL LINE
- PROPOSED SCL ALIGNMENT OF BASE SCHEME
- ○ 610mm DIA. VERTICAL PIPE PILE
- Ⓘ PRE-BORED H-PILE (3m SPACING) (TO BE REMOVED AFTER DEMOLISHMENT OF TEMP STEEL PLATFORM)
- I DRIVEN H-PILE (3m SPACING) (TO BE REMOVED AFTER DEMOLISHMENT OF TEMP STEEL PLATFORM)
- • SOLDIER PILE WALL (1m SPACING)
- ◯ 1.5m DIA. BORED PILE

REV	DESCRIPTION	BY	DATE	APPROVED

DRAWN	KTH
DESIGNED	KYF
CHECKED	ENPF
APPROVED	IMW
DATE	14/AUG/2009

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MTR

SHATIN TO CENTRAL LINK

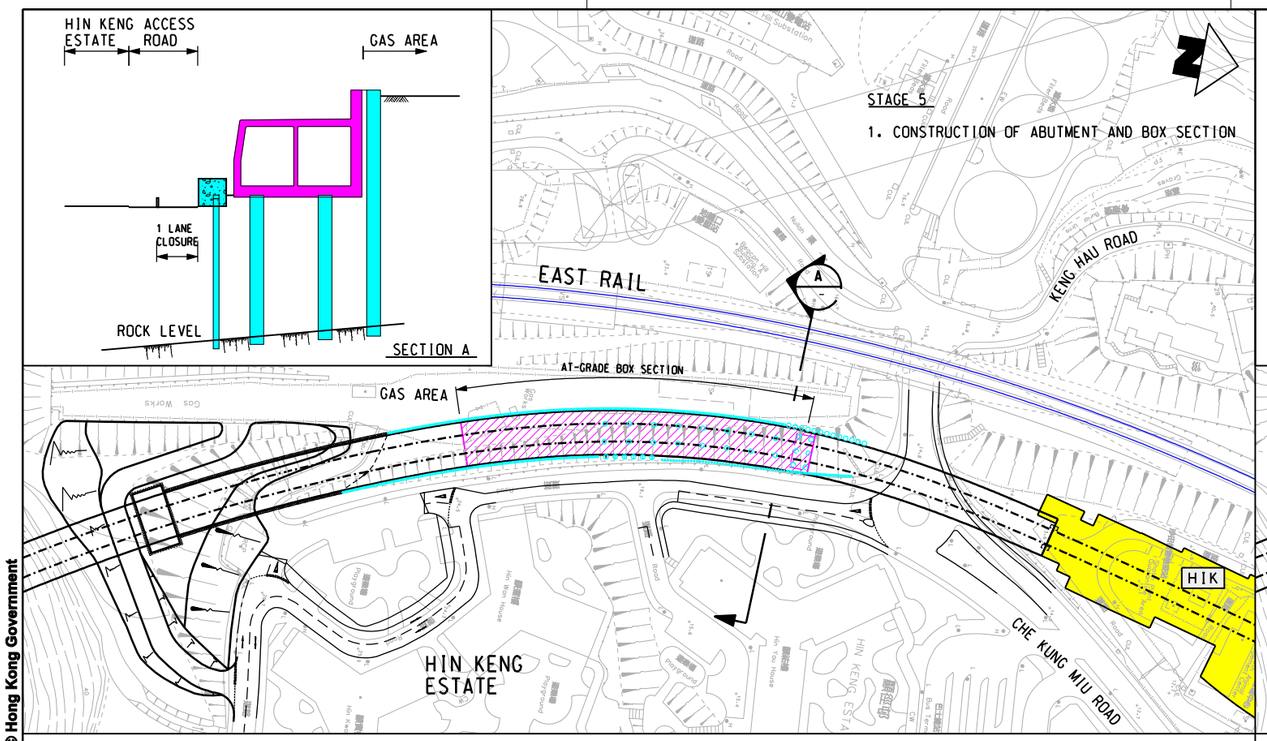
ORIGINATOR: AECOM in association with Atkins, PBA, Aedas, MVA, EDAW, and DLS

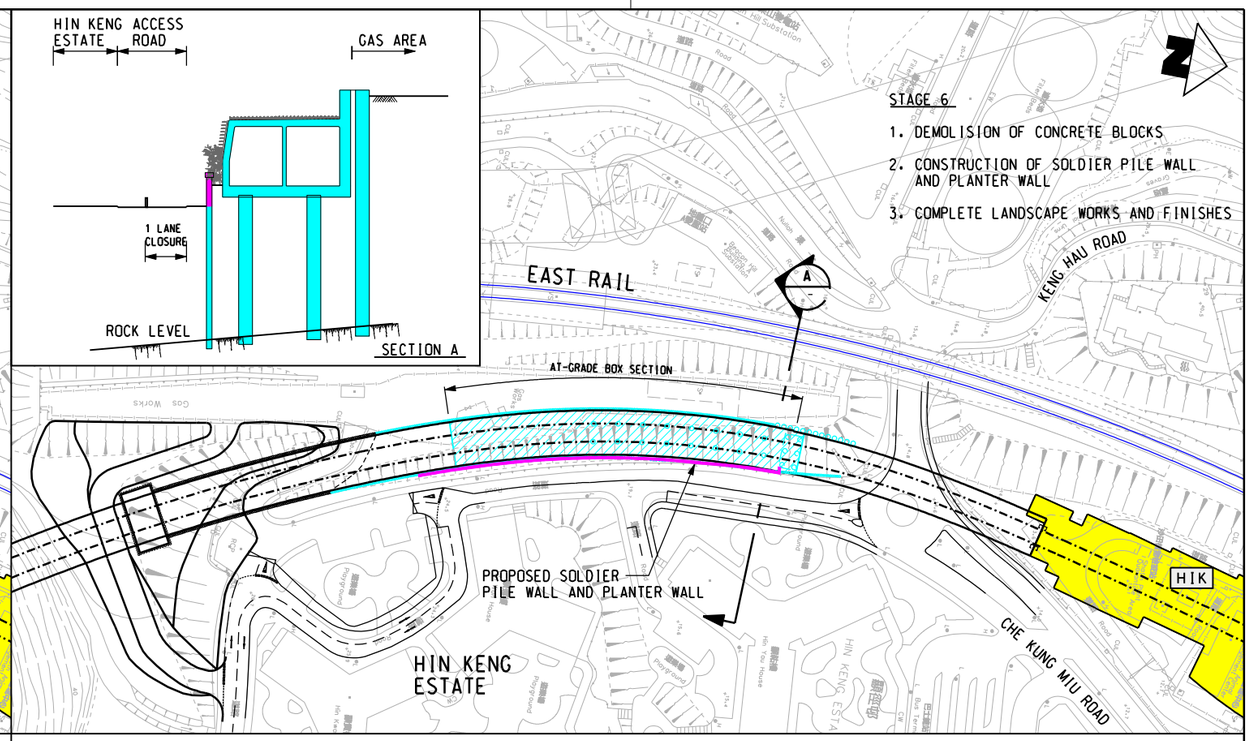
CADD REF. NEX2201_K_HIK_MCA_C01_002A.dgn

TITLE

NEX/2201 - TAW TO HUH SECTION
PRELIMINARY DESIGN
AT-GRADE BOX SECTION AT HIN KENG CONSTRUCTION SEQUENCE (SHEET 1 OF 2)

SCALE	FIGURE NO.	REV.
1 : 2000 (A3)	22.401	A





LEGEND:

- PROPOSED STATION FOOTPRINT
- EXISTING EAST RAIL LINE
- PROPOSED SCL ALIGNMENT OF BASE SCHEME
- ○ 610mm DIA. VERTICAL PIPE PILE
- Ⓘ PRE-BORED H-PILE (3m SPACING) (TO BE REMOVED AFTER DEMOLISHMENT OF TEMP STEEL PLATFORM)
- I DRIVEN H-PILE (3m SPACING) (TO BE REMOVED AFTER DEMOLISHMENT OF TEMP STEEL PLATFORM)
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- ◯ 1.5m DIA. BORED PILE

REV	DESCRIPTION	BY	DATE	APPROVED

DRAWN	KTH
DESIGNED	KYF
CHECKED	EPNF
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DATE	14/AUG/2009

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SHATIN TO CENTRAL LINK

ORIGINATOR

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CADD REF. NEX2201_K_HIK_MCA_C01_005A.dgn

TITLE

NEX/2201 - TAW TO HUH SECTION
PRELIMINARY DESIGN
AT-GRADE BOX SECTION AT HIN KENG CONSTRUCTION SEQUENCE (SHEET 2 OF 2)

SCALE	FIGURE NO.	REV.
1 : 2000 (A3)	22.402	A

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