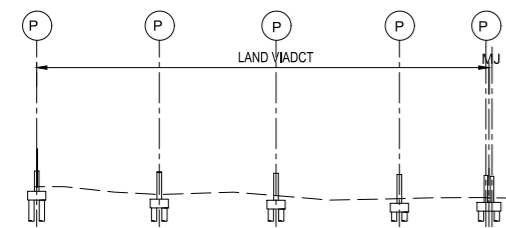
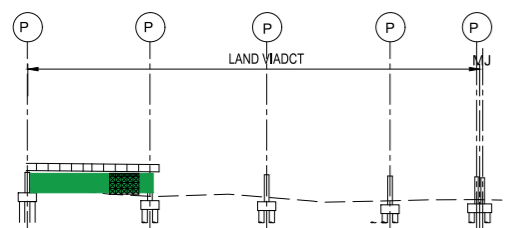


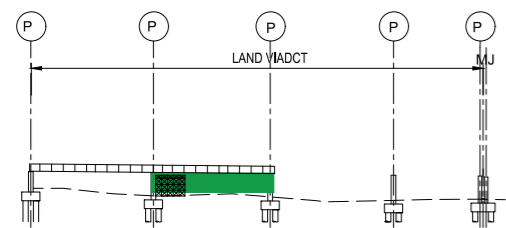
LAND VIADUCT SECTION WITH SPAN BY SPAN METHOD



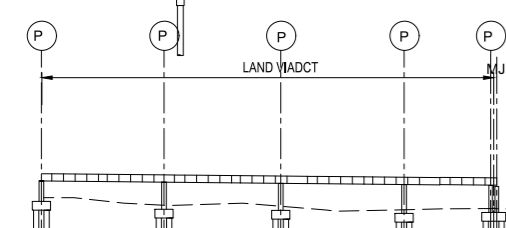
STAGE 1:
1. COMPLETION OF PIERS



STAGE 2:
1. ERECT FALSEWORK AND FORMWORK
2. CAST BRIDGE DECK

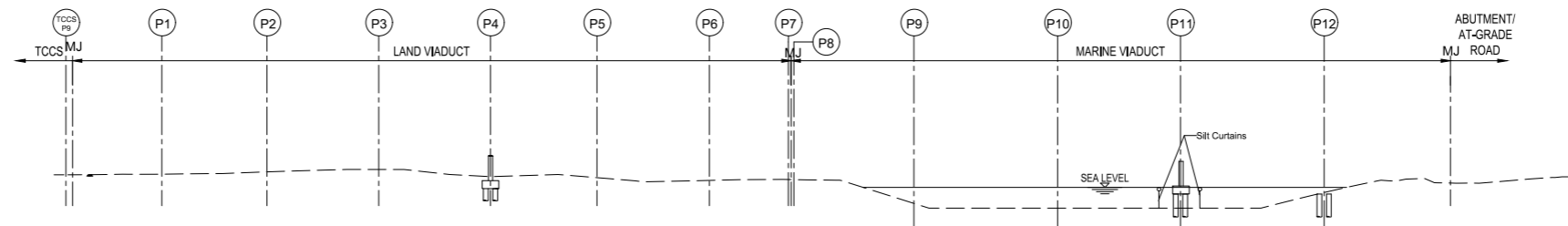


STAGE 3:
1. ERECT FALSEWORK AND FORMWORK FOR THE NEXT SPAN

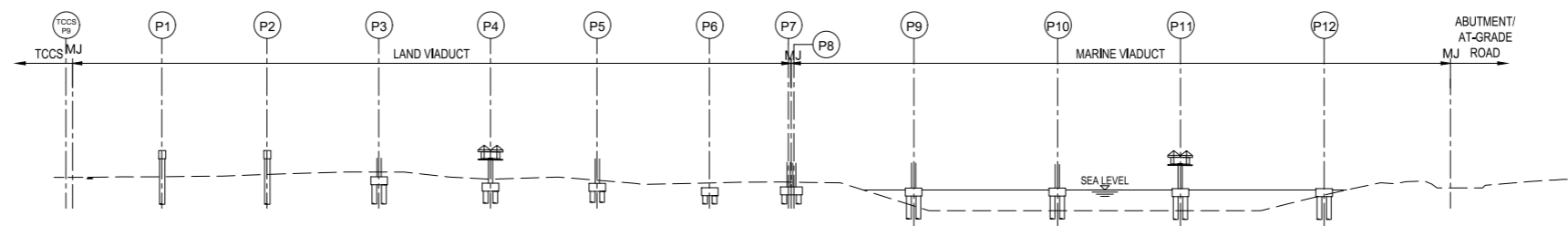


STAGE 4:
1. REPEAT STAGE 2 TO STAGE 3 UNTIL ALL SPANS ARE CONSTRUCTED

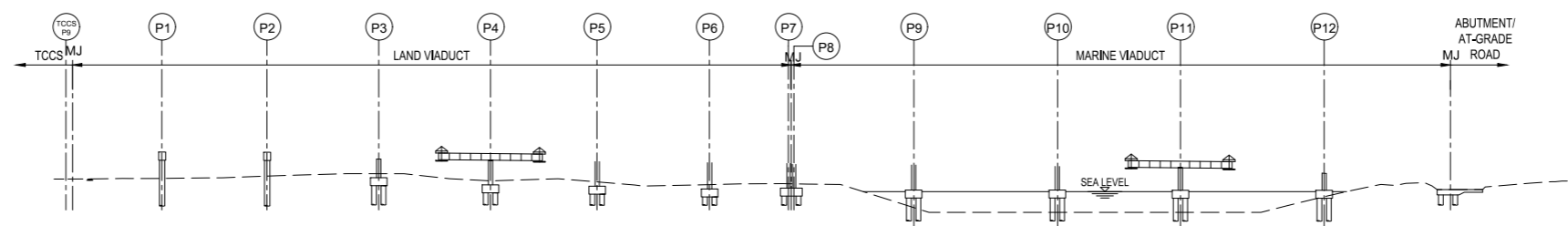
LAND VIADUCT SECTION WITH BALANCED CANTILEVER METHOD



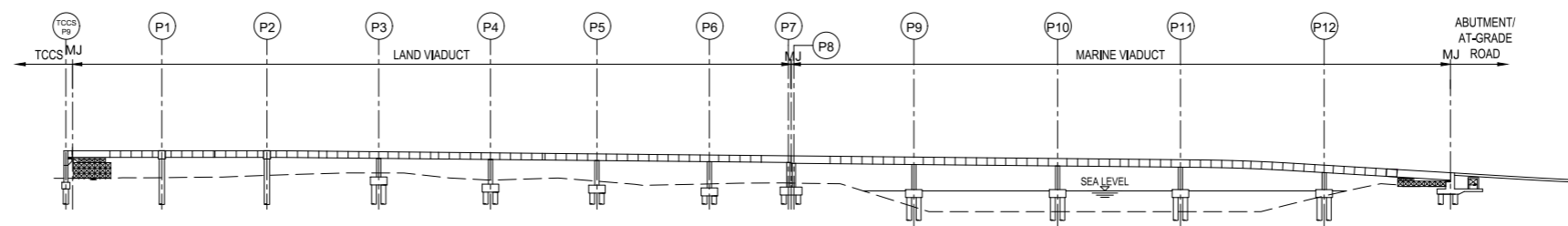
STAGE 1:
1. CONSTRUCT PILES, PILE CAP AND BRIDGE PIER



STAGE 2:
1. AFTER ALL BRIDGE PIERS ARE ERECTED, CONSTRUCT PIER HEAD SEGMENT.
2. SET UP FORM TRAVELLER.

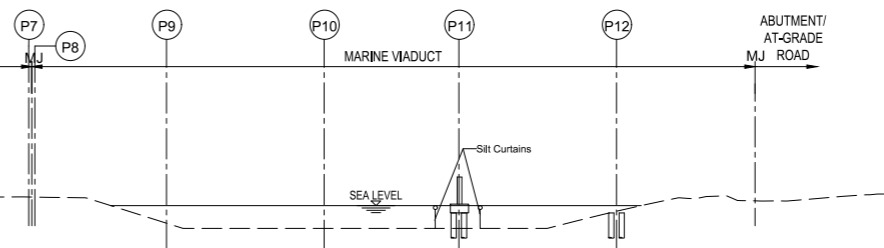


STAGE 3:
1. CAST BRIDGE SEGMENTS ON BOTH SIDES ON FORM TRAVELLER IN BALANCED CANTILEVER WAY. STRESS THE TENDONS AFTER CASTING OF EACH BRIDGE SEGMENT.
2. REPEAT STEP 1 FOR EACH SEGMENT ON BOTH SIDES UNTIL THE BRIDGE SPANS ARE COMPLETED.

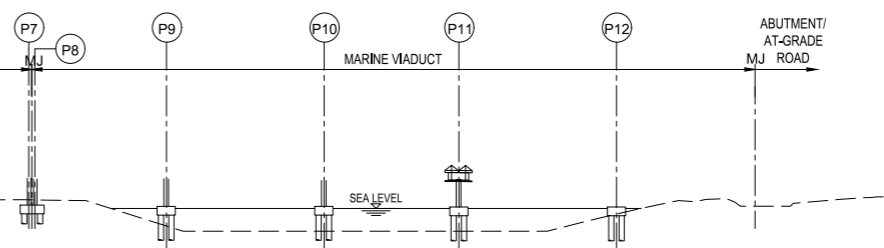


STAGE 4:
1. REMOVE THE TEMPORARY FALSEWORK.
2. CONSTRUCT ROAD PAVEMENT AND STREET FURNITURE.

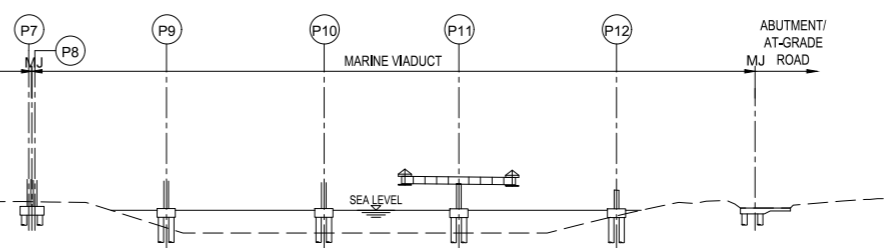
MARINE VIADUCT SECTION WITH BALANCED CANTILEVER METHOD



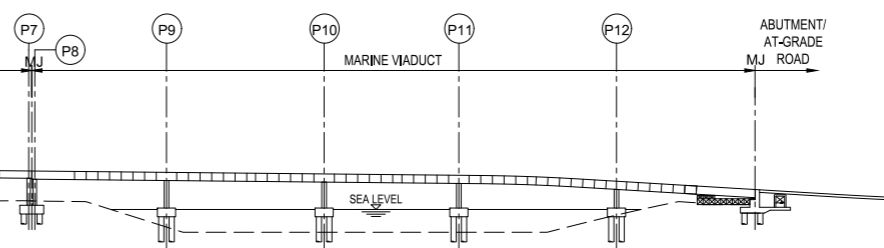
STAGE 1:
1. CONSTRUCT SILT CURTAINS AND TEMPORARY PLATFORMS
2. CONSTRUCT PILES, PILE CAPS, BRIDGE PIERS
3. REMOVE THE TEMPORARY PLATFORM AND SILT CURTAIN
4. PROCEDURE 1 TO 3 WILL BE REPEATED FOR EACH PILE CONSTRUCTION



STAGE 2:
1. AFTER ALL BRIDGE PIERS ARE ERECTED, CONSTRUCT PIER HEAD SEGMENT.
2. SET UP FORM TRAVELLER.



STAGE 3:
1. CAST BRIDGE SEGMENTS ON BOTH SIDES ON FORM TRAVELLER IN BALANCED CANTILEVER WAY. STRESS THE TENDONS AFTER CASTING OF EACH BRIDGE SEGMENT.
2. REPEAT STEP 1 FOR EACH SEGMENT ON BOTH SIDES UNTIL THE BRIDGE SPANS ARE COMPLETED.



STAGE 4:
1. REMOVE THE TEMPORARY FALSEWORK.
2. CONSTRUCT ROAD PAVEMENT AND STREET FURNITURE.

LEGEND

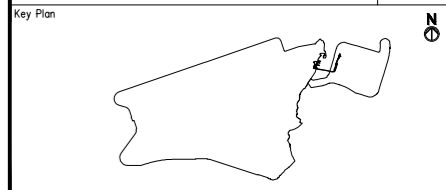
Rev	Date	Descriptions	Check



HONG KONG INTERNATIONAL AIRPORT



Consultant's Signatures for Approval	Date
Design Supervisor	
Checkers	
Authorised Representative	



Title
AIRPORT TUNG CHUNG LINK PROJECT ILLUSTRATIONS OF CONSTRUCTION METHODS
-LAND VIADUCT AND MARINE VIADUCT

Drawing No. FIGURE 2.5 (a)				
Originator	Location	Discipline	Type	Dwg Sequence No.
DESIGN			AS SHOWN	
Status	Scale			Rev
DESIGN				DESIGN