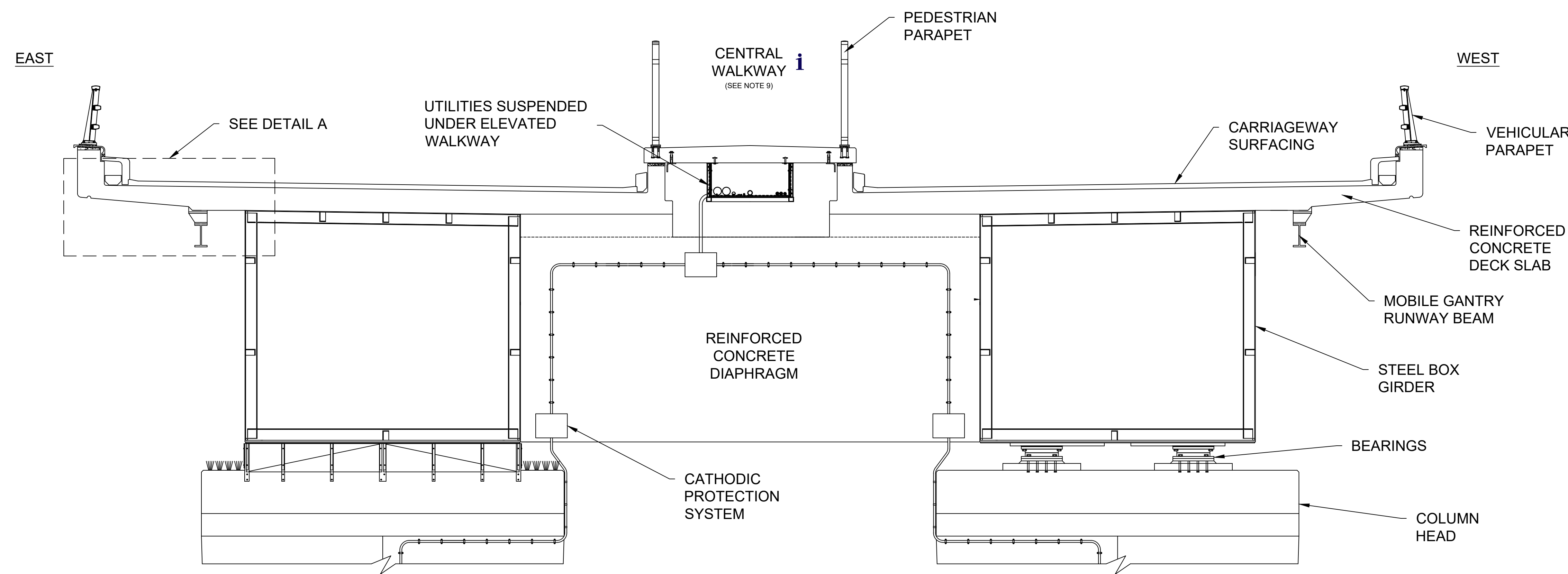
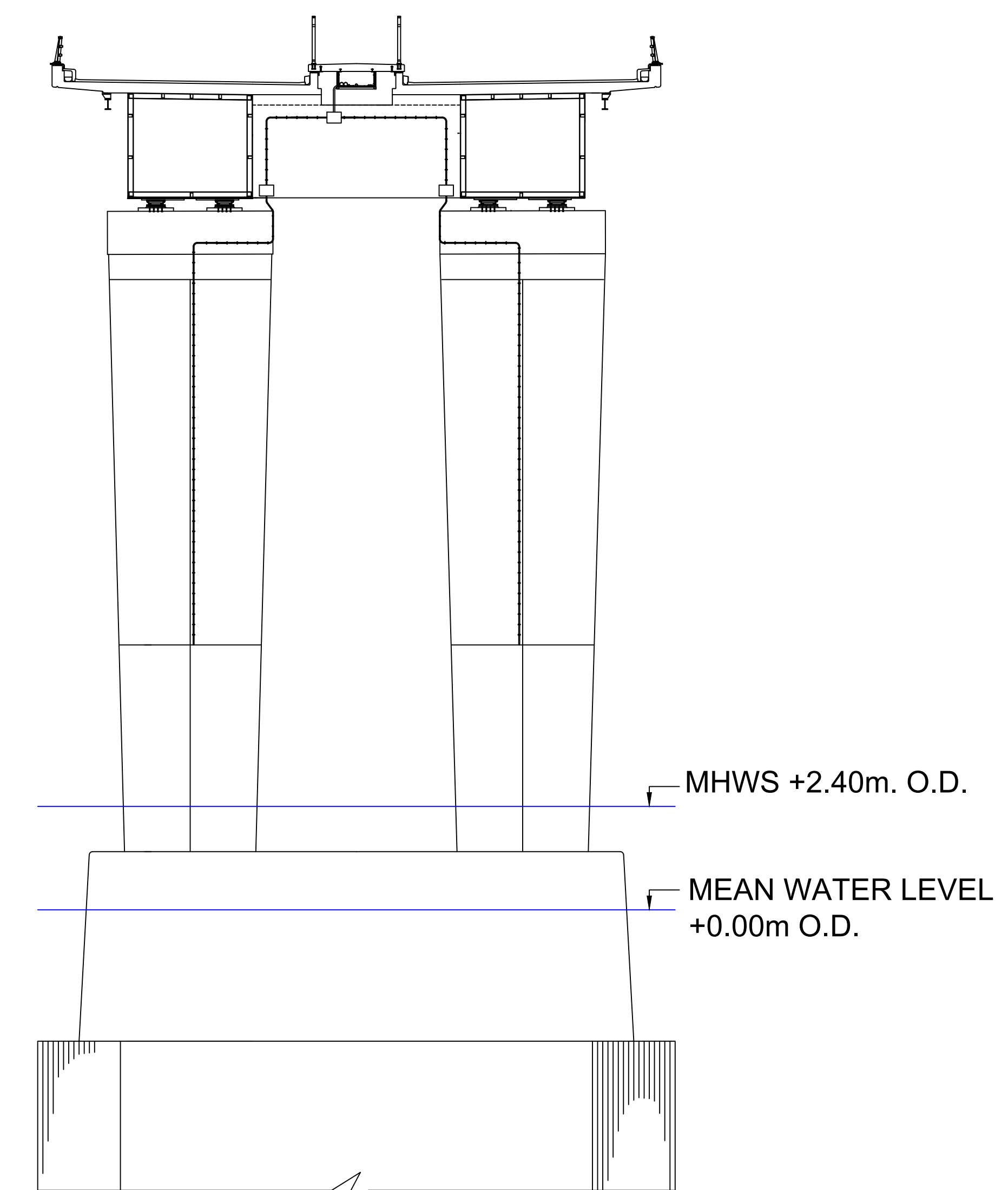


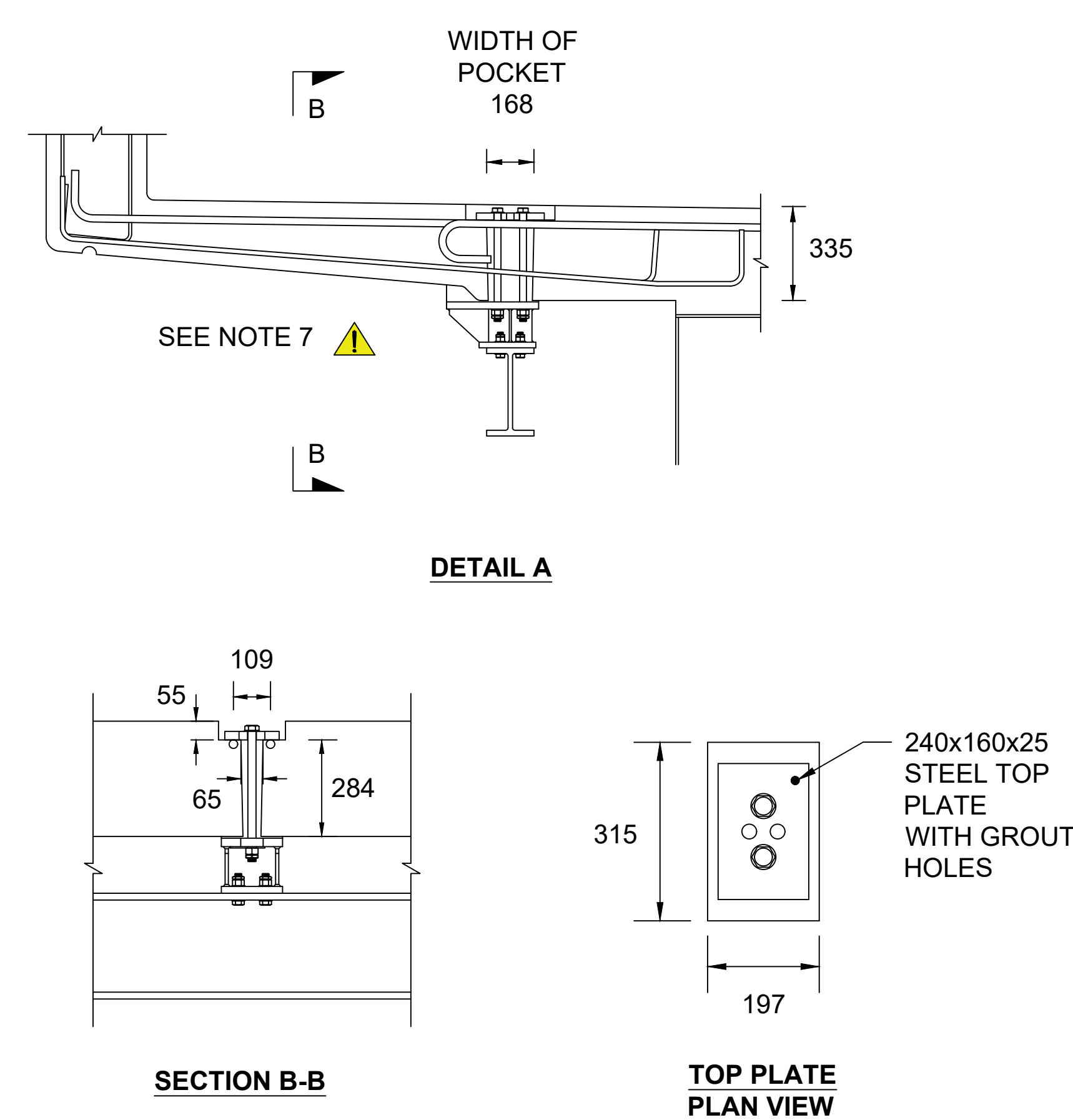
ELEVATION



TYPICAL DECK CROSS SECTION AT PIERS (LOOKING SOUTH)



TYPICAL BRIDGE CROSS SECTION AT PIERS



SECTION B-B

TOP PLATE PLAN VIEW

Pier and Joint Number	Max Depth of Box Girder (mm)
1	1630
2	1840
3	2052
4	2360
5	2713
6 to 30	3076
31	4092
32	6112
33	4092
34 to 41	3079
42	2713
43	2360

TABLE OF BOX GIRDER DEPTHS

Pier Number	Height between MHWS & Bridge Soffit (m)	Pier Number	Height between MHWS & Bridge Soffit (m)	Pier Number	Height between MHWS & Bridge Soffit (m)
1	5.680	16	13.024	31	22.238
2	5.770	17	13.694	32	21.138
3	5.908	18	14.374	33	24.098
4	5.990	19	15.044	34	25.994
5	6.107	20	15.714	35	26.714
6	6.304	21	16.394	36	27.354
7	6.974	22	17.064	37	28.024
8	7.644	23	17.734	38	28.704
9	8.334	24	18.394	39	29.354
10	8.994	25	19.084	40	30.034
11	9.674	26	19.764	41	30.714
12	10.344	27	20.404	42	31.647
13	11.004	28	21.114	43	32.460
14	11.674	29	21.784		
15	12.344	30	22.424		

TABLE OF BOX GIRDER HEIGHTS ABOVE MHWS



LOCATION PLAN

NOTES:

- ALL DIMENSIONS ARE IN MM UNLESS STATED OTHERWISE.
- DO NOT SCALE FROM THIS DRAWING.
- DRAWING TO BE READ IN CONJUNCTION WITH ALL DRAWINGS IN THE SERIES 70075400-TRB-DR-XXX.
- DRAWING IS TO BE READ AND PRINTED IN COLOUR FOR CLARITY.
- DIMENSIONS AS SHOWN ON THIS DRAWING HAVE BEEN TAKEN FROM RECORD DRAWINGS. THE CONTRACTOR SHALL CHECK ALL CRITICAL DIMENSIONS PRIOR TO CARRYING OUT ANY CONSTRUCTION WORK.
- CONTRACTOR MUST CONFIRM AND PRECISELY LOCATE ALL EXISTING PUBLIC AND PRIVATE SERVICES WITHIN THE EXTENT OF THE WORKS AREA PRIOR TO COMMENCEMENT OF CONSTRUCTION WORKS.
- GANTRY RUNWAY BEAM FIXINGS AND DECK SLAB REINFORCEMENT SHOWN INDICATIVELY IN ACCORDANCE WITH RECORD DRAWINGS. CONTRACTOR TO CONFIRM LOCATIONS PRIOR TO ASSOCIATED WORKS.
- NAVIGATION CLEARANCE MUST BE MAINTAINED BY THE CONTRACTOR AT ALL TIMES. ANY WORKS WITHIN THE NAVIGATION SPANS OVER THE WATER SHALL REQUIRE CONSULTATION WITH THE TAY ROAD BRIDGE JOINT BOARD AND THE HARBOUR AUTHORITY.
- CONTRACTOR SHALL ENSURE THE CENTRAL WALKWAY AND ASSOCIATED ACCESS LIFT, STAIRS AND RAMPS REMAIN OPEN FOR THE DURATION OF THE WORKS. ANY PROPOSALS TO TEMPORARILY RESTRICT ACCESS TO THE CENTRAL WALKWAY MUST BE AGREED WITH THE PROJECT MANAGER AND TRB.B.

HEALTH AND SAFETY SYMBOLS LEGEND

REFER TO T447 RESIDUAL RISK REGISTER FOR DETAILS.

- i** INDICATES A RESIDUAL RISK FOR INFORMATION
- ⊘** INDICATES A RESIDUAL RISK REQUIRING A PROHIBITIVE ACTION
- ⚠** INDICATES A RESIDUAL RISK AS A WARNING
- INDICATES A RESIDUAL RISK REQUIRING A COMPULSORY ACTION

REV	DATE	BY	DESCRIPTION	CHK	APP
P02	DEC 22	LF	FOR COSTING	DM	DM
P01	AUG 22	JH	FOR REVIEW & COMMENT	LF	DM

DRAWING STATUS: D1- FOR COSTING



PROJECT: TAY ROAD BRIDGE IMPROVEMENT WORKS
 TITLE: GENERAL ARRANGEMENT ELEVATIONS AND SECTIONS

SCALE	NTS	CHECKED	DM	APPROVED	DM
PROJECT No:	70075400	DESIGNED	LF	DRAWN	JH
DATE:					AUG 22
DRAWING No:	70075400-TRB-DR-001				P02

NOTES:

- ALL DIMENSIONS ARE IN MM UNLESS STATED OTHERWISE.
- DO NOT SCALE FROM THIS DRAWING.
- DRAWING TO BE READ IN CONJUNCTION WITH ALL DRAWINGS IN THE SERIES 70075400-TRB-DR-XXX.
- DRAWING IS TO BE READ AND PRINTED IN COLOUR FOR CLARITY.
- DIMENSIONS AS SHOWN ON THIS DRAWING HAVE BEEN TAKEN FROM RECORD DRAWINGS. THE CONTRACTOR SHALL CHECK ALL CRITICAL DIMENSIONS PRIOR TO CARRYING OUT ANY CONSTRUCTION WORK.
- AFTER REMOVAL OF THE EXISTING CARRIAGEWAY SURFACING AND ANY RESIDUAL COATINGS, INVESTIGATIONS WILL BE CARRIED OUT ACROSS THE DECK TO IDENTIFY THE NEED FOR FURTHER CONCRETE REPAIRS. INVESTIGATIONS SHALL INCLUDE A VISUAL CONDITION SURVEY AND HAMMER SOUNDING FOR DELAMINATION IN ACCORDANCE WITH APPENDIX 57/B OF THE SPECIFICATION.
- THE CONTRACTOR SHALL UNDERTAKE A DETAILED TOPOGRAPHICAL SURVEY OF THE CARRIAGEWAY AND DECK BEFORE AND AFTER REMOVAL OF THE CARRIAGEWAY SURFACING TO IDENTIFY ANY DEFLECTION OF THE DECK ASSOCIATED WITH SURFACING REMOVAL AND PRIOR TO KERB INSTALLATION. CONTRACTOR TO INFORM THE PROJECT MANAGER OF THE RESULTS TO IDENTIFY IF ANY CHANGES ARE REQUIRED TO THE KERB PROFILE.
- PRIOR TO CONCRETE REPAIR WORKS TO THE DECK SOFFIT, THE CURRENT EXTENT OF CONCRETE DELAMINATION IN ALL EXPOSED STRUCTURAL ELEMENTS SPECIFIED FOR REPAIR, SHALL BE IDENTIFIED AND MARKED UP BY THE CONTRACTOR USING A HAMMER-SOUNDING SURVEY IN ACCORDANCE WITH BS EN 1504 PART 10.
- THE EXISTING CONCRETE SURFACE SHALL BE PREPARED BY CONTAINED BLASTING TO ACHIEVE A CLASS 1/4 FINISH IN ACCORDANCE WITH MCHW SERIES 1700. SCARIFYING OR MICRO-PLANING OF THE DECK SURFACE SHALL NOT BE ALLOWED WITHOUT EXPLICIT APPROVAL OF THE PROJECT MANAGER.
- WATERPROOFING SHALL APPLIED ACROSS THE FULL EXTENT OF THE UPPER SURFACE OF THE CONCRETE DECKS BETWEEN PARAPET UPSTANDS.
- A SLIM-LINE SUB-SURFACE CHANNEL DRAINAGE SYSTEM FULLY COMPLIANT TO BS EN 1433 TO BE INSTALLED NO GREATER THAN 25mm IN DEPTH SHALL BE INSTALLED ALONG THE INNER KERBLINES AND TRANSVERSELY ACROSS THE DECK CLOSE TO THE NEW EXPANSION JOINTS. THE DRAINAGE CHANNELS SHALL BE BONDED DIRECTLY TO THE NEW WATERPROOF MEMBRANE. CONTRACTOR TO CONFIRM SUITABILITY OF INSTALLATION DEPTHS AT THESE LOCATIONS FOLLOWING TOPOGRAPHICAL SURVEY TO IDENTIFY SHALLOW SPOTS AFTER REMOVAL OF EXISTING SURFACING.
- AFTER COMPLETION OF DECK WATERPROOFING AND KERB INSTALLATION FULL DECK RESURFACING WORKS WILL BE CARRIED OUT TO REINSTATE THE EXISTING CARRIAGEWAY PROFILE IN ACCORDANCE WITH MCHW SERIES 700.

HEALTH, SAFETY & ENVIRONMENT INFORMATION

- CONTRACTOR MUST CONFIRM AND PRECISELY LOCATE ALL EXISTING PUBLIC AND PRIVATE UTILITY ASSETS WITHIN EXTENT OF THE WORKS AREA PRIOR TO COMMENCEMENT OF CONSTRUCTION WORKS.
- ANCHOR BOLTS SUPPORTING THE GANTRY RUNWAY BEAMS ARE CAST WITHIN SOCKETS THROUGH THE DECK SLABS AND ARE LOCATED WITHIN THE EXTENTS OF THE CARRIAGEWAY. CONTRACTOR TO ENSURE METHOD OF WORKING ENSURES PROTECTION OF AND NO DAMAGE IS CAUSED TO THE EXISTING ANCHOR BOLTS.
- CONCRETE REPAIRS TO THE DECK SOFFIT WILL REQUIRE SUSPENDED ACCESS INVOLVING WORKING FROM HEIGHT AND WORKING OVER WATER. APPROPRIATE ACCESS SYSTEM SHALL BE DESIGNED, CONSTRUCTED AND MAINTAINED BY THE CONTRACTOR AND SHALL BE ENCAPSULATED SO AS TO MITIGATE THE RISK OF POLLUTION FROM THE WORKS.

HEALTH AND SAFETY SYMBOLS LEGEND

REFER TO T447 RESIDUAL RISK REGISTER FOR DETAILS.

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- INDICATES A RESIDUAL RISK REQUIRING A PROHIBITIVE ACTION
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REV	DATE	BY	DESCRIPTION	CHK	APP
P01	AUG 22	JH	FOR COSTING	LF	DM
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS: D1- FOR COSTING

King James VI Business Centre, Ffionron Road, Perth PH2 8DY
T: 44 (0) 131 516 6247
wsp.com

Tay Road Bridge

TAY ROAD BRIDGE
IMPROVEMENT WORKS

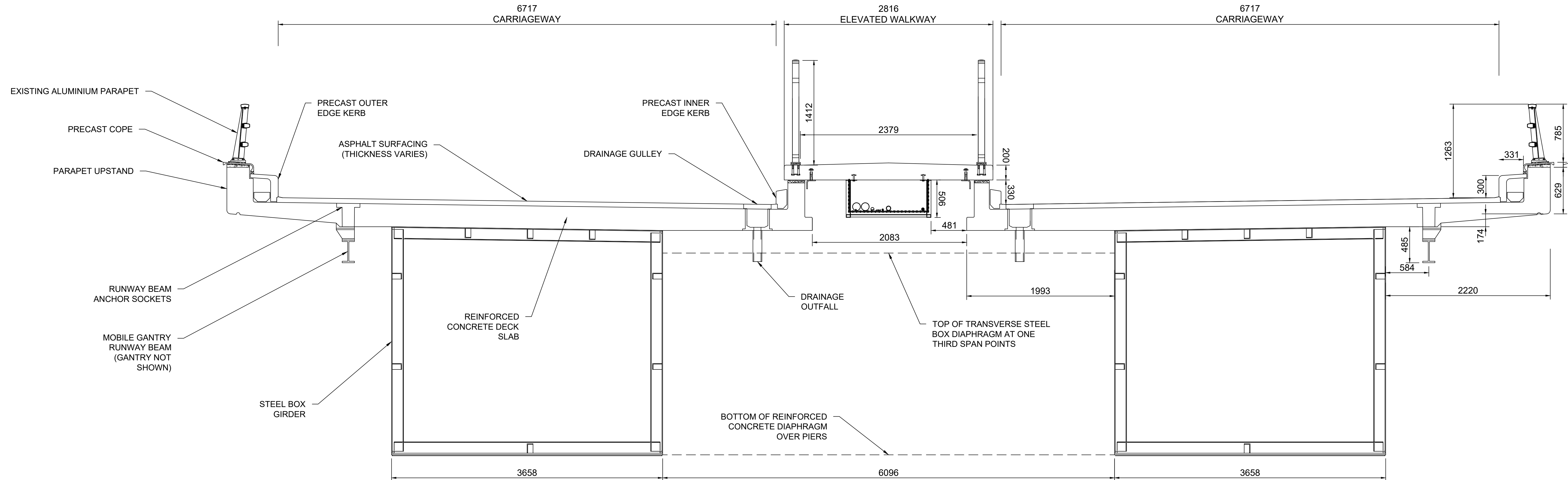
EXISTING AND PROPOSED BRIDGE
CROSS SECTIONS

SCALE @ A3	DESIGNED	CHK	APPROVED
1:25	LF	JH	DM

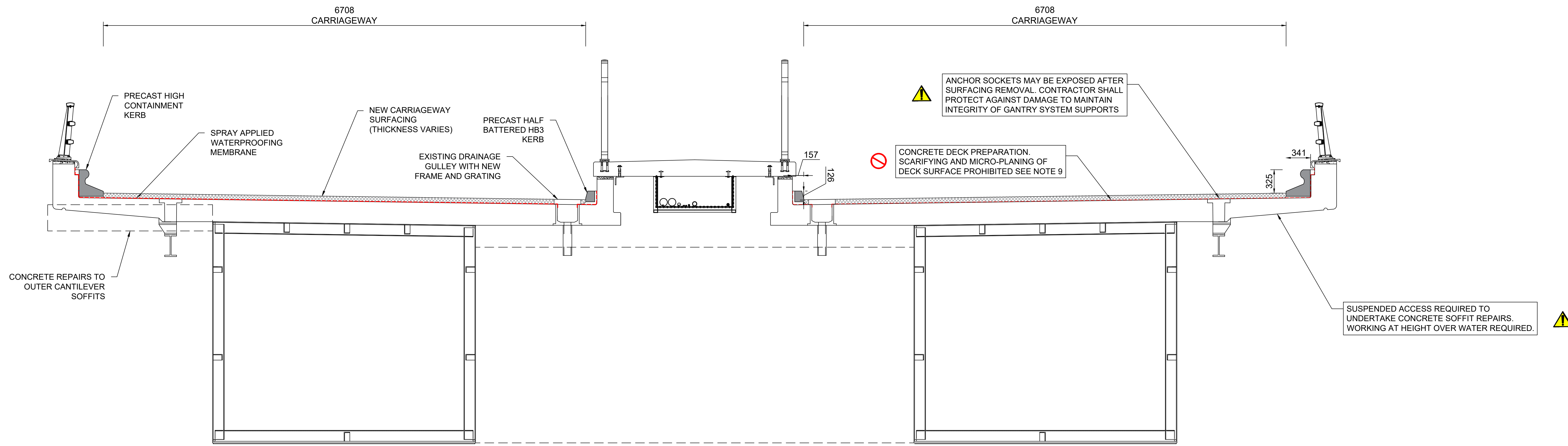
PROJECT No.	DESIGNED	CHK	DATE
70075400	LF	JH	AUGUST 22

DRAWING No. 70075400-TRB-DR-003 P02

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EXISTING SECTION OF BRIDGE DECK



PROPOSED SECTION OF BRIDGE DECK

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 PLOT BY: JH
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 PLOT SHEET: 1 OF 1
 PLOT STATUS: OK