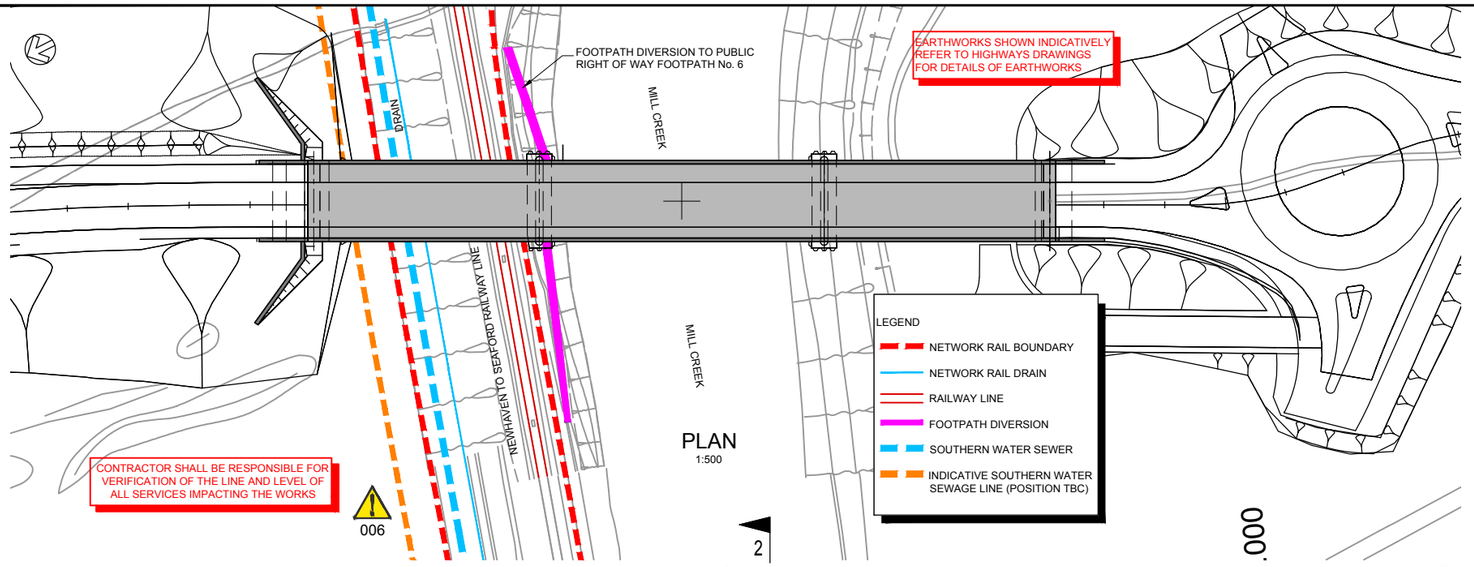

PLAN
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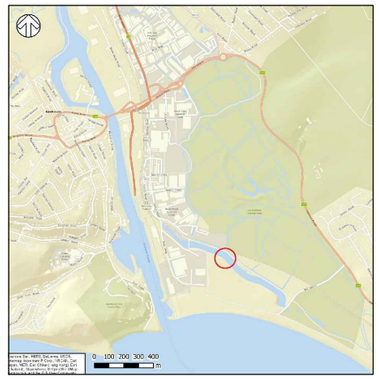
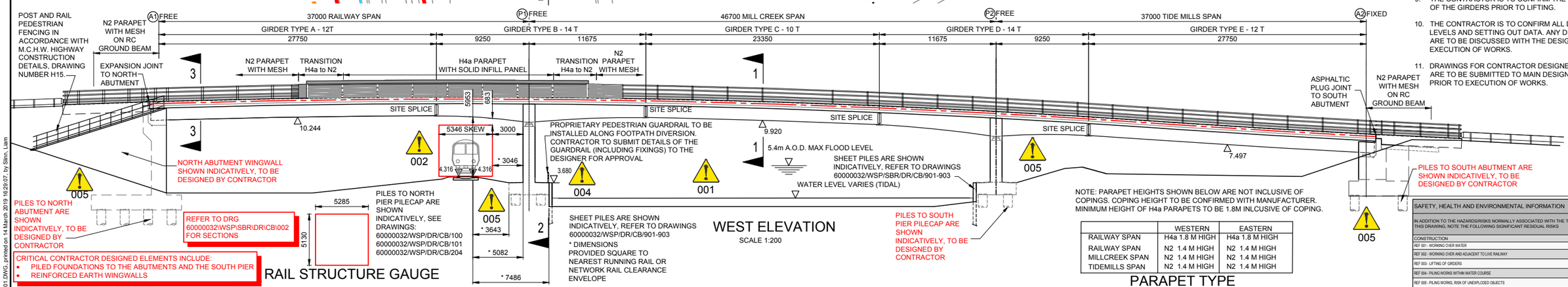


LOCATION PLAN
NTS

DO NOT SCALE

1. ALL DIMENSIONS ARE IN MM UNLESS STATED OTHERWISE
2. ALL LEVELS ARE IN M UNLESS STATED OTHERWISE
3. DO NOT SCALE IN CASE OF DOUBT, OMISSIONS OR ERRORS SEEK CLARIFICATION FROM THE DESIGNER
4. ALL WORKS SHALL BE UNDERTAKEN IN ACCORDANCE WITH THE SPECIFICATION FOR HIGHWAY WORKS AND THE RELEVANT APPENDICES/DRAWINGS.
5. THE CONTRACTOR SHALL REFER TO THE PRECONSTRUCTION H&S INFORMATION FOR DETAILS OF RISK THAT HAVE BEEN ELIMINATED OR REDUCED DURING THE DESIGN PROCESS. KEY RESIDUAL RISKS THAT HAVE NOT BEEN ELIMINATED ARE RECORDED IN THE H&S TABLE AND HIGHLIGHTED ON THE RELEVANT DRAWINGS
6. THE CONTRACTORS ATTENTION IS DRAWN TO THE FOLLOWING CRITICAL CONSTRAINTS, THESE SHOULD BE CONSIDERED DURING PROGRAMMING/SEQUENCING OF THE WORKS
   - REQUIREMENT OF NWR POSSESSIONS TO COMPLETE CONSTRUCTION WORKS ADJACENT TO THE RAIL WAY
   - DIFFICULT ACCESS FOR THE NORTH PIER CONSTRUCTION DUE TO THE PROXIMITY OF THE CREEK AND RAILWAY LINE
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF ALL TEMPORARY WORKS TO FACILITATE THE ACCESS AND CONSTRUCTION OF THE BRIDGE
8. THIS DRAWING IS TO BE PRINTED IN COLOUR TO PROVIDE CLEAR INTERPRETATION OF LEGEND DATA.
9. THE CONTRACTOR IS TO CONFIRM THE EXACT WEIGHT OF THE GIRDERS PRIOR TO LIFTING.
10. THE CONTRACTOR IS TO CONFIRM ALL DIMENSIONS, LEVELS AND SETTING OUT DATA. ANY DISCREPANCIES ARE TO BE DISCUSSED WITH THE DESIGNER PRIOR TO EXECUTION OF WORKS.
11. DRAWINGS FOR CONTRACTOR DESIGNED ELEMENTS ARE TO BE SUBMITTED TO MAIN DESIGNER FOR REVIEW PRIOR TO EXECUTION OF WORKS.



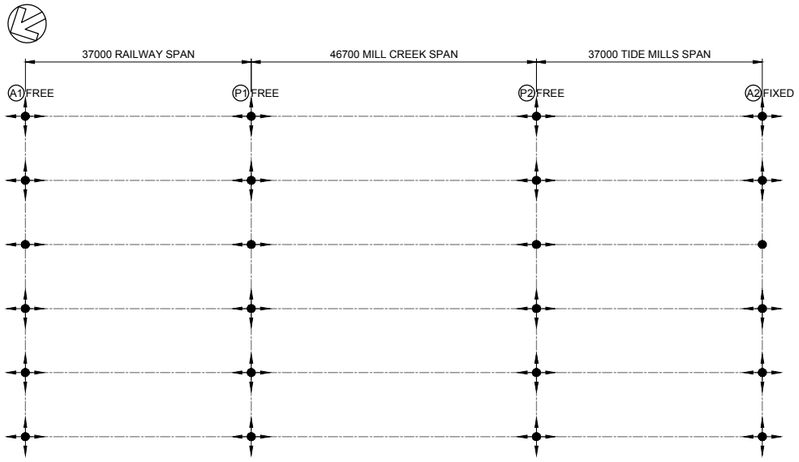
WEST ELEVATION
SCALE 1:200

RAIL STRUCTURE GAUGE

NOTE: PARAPET HEIGHTS SHOWN BELOW ARE NOT INCLUSIVE OF COPINGS. COPING HEIGHT TO BE CONFIRMED WITH MANUFACTURER. MINIMUM HEIGHT OF H4a PARAPETS TO BE 1.8M INLCUSIVE OF COPING.

	WESTERN	EASTERN
RAILWAY SPAN	H4a 1.8 M HIGH	H4a 1.8 M HIGH
RAILWAY SPAN	N2 1.4 M HIGH	N2 1.4 M HIGH
MILLCREEK SPAN	N2 1.4 M HIGH	N2 1.4 M HIGH
TIDEMILLS SPAN	N2 1.4 M HIGH	N2 1.4 M HIGH

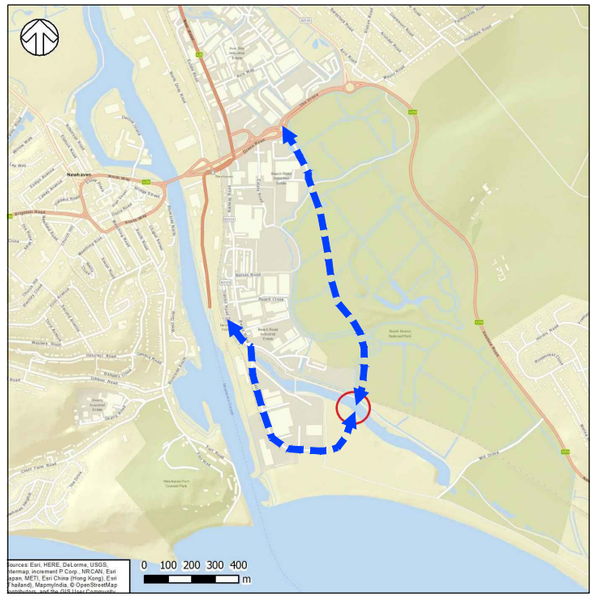
PARAPET TYPE



BEARING ARTICULATION
NOT TO SCALE

SUGGESTED CONSTRUCTION SEQUENCE TO BE CONFIRMED BY CONTRACTOR

1) INSTALL PILES FOR THE NORTH AND SOUTH ABUTMENTS
2) UNDERTAKE REINFORCED CONCRETE WORKS FOR THE NORTH AND SOUTH ABUTMENTS. CONSTRUCT ABUTMENTS UP TO BEARING SHELF LEVEL.
3) INSTALL SHEET PILES ALONG CREEK BANK- THIS IS TO FACILITATE WORKING ROOM FOR THE PIER CONSTRUCTION EITHER SIDE OF THE CREEK
4) INSTALL SHEET PILES FOR THE NORTH AND SOUTH PIERS, CONSTRUCT PILECAPS AND PIERS. NOTE NORTH PIER TO BE CAST IN STAGES TO LIMIT RISK OF FORMWORK FALLING ONTO THE RAILWAY TRACK DURING CONSTRUCTION
5) CONSTRUCT REINFORCED EARTH WINGWALL TO NORTH ABUTMENT AND ASSOCIATED EARTHWORKS TO THE SOUTH ABUTMENT. BACKFILL ABUTMENTS TO BEARING SHELF LEVEL
6) INSTALL BEARINGS TO ABUTMENTS AND PIER
7) INSTALL GIRDER TYPES A AND E IN PAIRS, PROPS SHALL BE REQUIRED TO SUPPORT THE FREE END PRIOR TO SPLICING WITH THE ADJACENT GIRDER SECTIONS. (CONTRACTOR TO ADVISE). EDGE PAIRS OF ALL GIRDER TYPES ARE TO BE INSTALLED WITH EDGE PROTECTION IN PLACE.
8) INSTALL GIRDER TYPES B AND D IN PAIRS, TO BE SPLICED TO THE PREVIOUSLY INSTALLED GIRDER (TYPE A AND E) PRIOR TO RELEASING FROM CRANE.
9) INSTALL GIRDERS TYPE C IN PAIRS AND SPLICE TO THE ADJACENT GIRDERS (TYPE B AND D)
10) INSTALL GRP FORMWORK FOR DECK SLAB AND TEMPORARY FORMWORK FOR PARAPET PLINTH CONSTRUCTION.
11) REINFORCED CONCRETE WORKS FOR ABUTMENT CURTAINS WALLS
12) BACKFILL BEHIND CURTAIN WALLS
13) REINFORCED CONCRETE WORKS FOR THE DECK SLAB AND PLINTH CONSTRUCTION. REFER TO POURING SEQUENCE ON THE RELEVANT DRAWING
14) INSTALL VRS SYSTEM OVER BRIDGE
15) COMPLETE VERGE AND SURFACING WORKS, INCLUDING WATERPROOFING/JOINTS AND PROVISION OF SERVICES
16) REMOVE EDGE PROTECTION AND PARAPET PLINTH FORMWORK
17) CLEAR SITE AND ALL TEMPORARY WORKS



CONSTRUCTION ACCESS ROUTE
NOT TO SCALE

NOTE
THE CONTRACTOR SHALL PROPOSE THE METHOD FOR CONSTRUCTION ACCESS TO THE NORTH PIER AND THE REQUIREMENT (IF ANY) FOR A JETTY OVER THE MILL CREEK . CONSIDERATION SHALL ALSO BE GIVEN TO ACCESS REQUIRED FOR THE DELIVERY AND INSTALLATION OF GIRDERS

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING SIGNIFICANT RESIDUAL RISKS

CONSTRUCTION:
REF 001 - WORKING OVER WATER
REF 002 - WORKING OVER AND ADJACENT TO LIVE RAILWAY
REF 003 - LIFTING OF GIRDERS
REF 004 - PILING WORKS WITHIN WATER COURSE
REF 005 - PILING WORKS, RISK OF UNEXPLODED OBJECTS
REF 006 - UNKNOWN SEWAGE MAIN

SAFETY, HEALTH AND ENVIRONMENTAL SYMBOL LEGEND
INDICATES A RESIDUAL RISK AS A WARNING

REV	DATE	BY	DESCRIPTION	CHK	APP
C03	14/03/19	LS	CONSTRUCTION ACCESS ROUTE NOTE	RM	HM

DRAWING STATUS: FOR CONSTRUCTION

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Tel: 0345 608 0193

PROJECT: NEWHAVEN PORT ACCESS ROAD

TITLE: STRUCTURE No. 1516 MILL CREEK BRIDGE GENERAL ARRANGEMENT SHEET 1 OF 2

SCALE @ A1:	CHECKED:	APPROVED:
AS SHOWN	RM	HM
CAD FILE: 60000032-WSP-SBR-DR-CB-001.DWG	DESIGN DRAWN: MT/CJC	DATE: 05.01.17
PROJECT No: 60000032	DRAWING No: WSP-SBR-DR-CB-001	REV: C03

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File name W:\BRIDGES\60000032-NEWHAVEN PARE MODELS AND DRAWINGS\BRIDGES\01_WIP VE DRAWINGS\02_DETAIL DESIGN\CURRENT VE DRAWINGS\60000032-WSP-SBR-DR-CB-001.DWG, printed on 14 March 2019 16:29:07, by Sinn, Liam