

The Keadby 3 Low Carbon Gas Power Station Project

Document Ref: 4.16

Planning Inspectorate Ref: EN010114

The Keadby 3 (Carbon Capture Equipped Gas Fired Generating Station) Order

Land at and in the vicinity of the Keadby Power Station site, Trentside, Keadby, North Lincolnshire

Mabey Bridge Replacement General Arrangement and Sections

The Planning Act 2008

The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 - Regulation 5(2)(o)

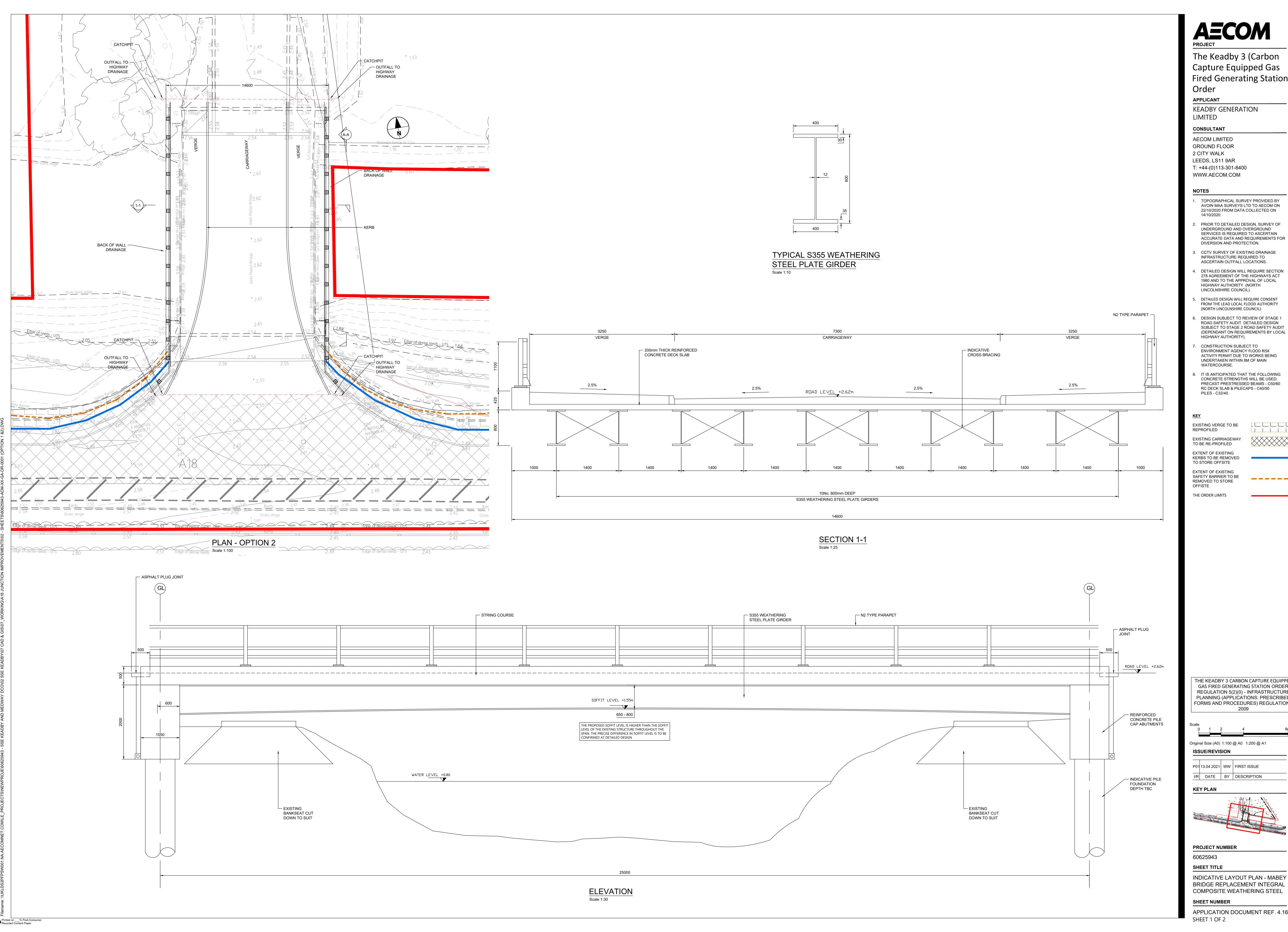
Applicant: Keadby Generation Limited

Date: May 2021



DOCUMENT HISTORY

Document Ref	4.16/Mabey Bridge Replacement General Arrangement and Sections
Revision	VP1.0
Document Owner	AECOM



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KEADBY GENERATION

CONSULTANT

AECOM LIMITED **GROUND FLOOR** 2 CITY WALK LEEDS, LS11 9AR T: +44-(0)113-301-8400 WWW.AECOM.COM

TOPOGRAPHICAL SURVEY PROVIDED BY AVOIN MAA SURVEYS LTD TO AECOM ON 22/10/2020 FROM DATA COLLECTED ON

PRIOR TO DETAILED DESIGN, SURVEY OF UNDERGROUND AND OVERGROUND SERVICES IS REQUIRED TO ASCERTAIN ACCURATE DATA AND REQUIREMENTS FOR DIVERSION AND PROTECTION.

CCTV SURVEY OF EXISTING DRAINAGE INFRASTRUCTURE REQUIRED TO ASCERTAIN OUTFALL LOCATIONS.

DETAILED DESIGN WILL REQUIRE SECTION 278 AGREEMENT OF THE HIGHWAYS ACT 1980 AND TO THE APPROVAL OF LOCAL HIGHWAY AUTHORITY (NORTH LINCOLNSHIRE COUNCIL).

DETAILED DESIGN WILL REQUIRE CONSENT FROM THE LEAD LOCAL FLOOD AUTHORITY (NORTH LINCOLNSHIRE COUNCIL).

DESIGN SUBJECT TO REVIEW OF STAGE 1 ROAD SAFETY AUDIT. DETAILED DESIGN SUBJECT TO STAGE 2 ROAD SAFETY AUDIT

CONSTRUCTION SUBJECT TO ENVIRONMENT AGENCY FLOOD RISK ACTIVITY PERMIT DUE TO WORKS BEING UNDERTAKEN WITHIN 8M OF MAIN

WATERCOURSE. CONCRETE STRENGTHS WILL BE USED:

PRECAST PRESTRESSED BEAMS - C50/60 RC DECK SLAB & PILECAPS - C40/50 PILES - C32/40.

EXISTING VERGE TO BE REPROFILED EXISTING CARRIAGEWAY TO BE RE-PROFILED

EXTENT OF EXISTING KERBS TO BE REMOVED TO STORE OFFSITE EXTENT OF EXISTING

SAFETY BARRIER TO BE REMOVED TO STORE

THE ORDER LIMITS

2009

Original Size (A0) 1:100 @ A0 1:200 @ A1 ISSUE/REVISION

P01 13.04.2021 | WW | FIRST ISSUE

I/R DATE BY DESCRIPTION

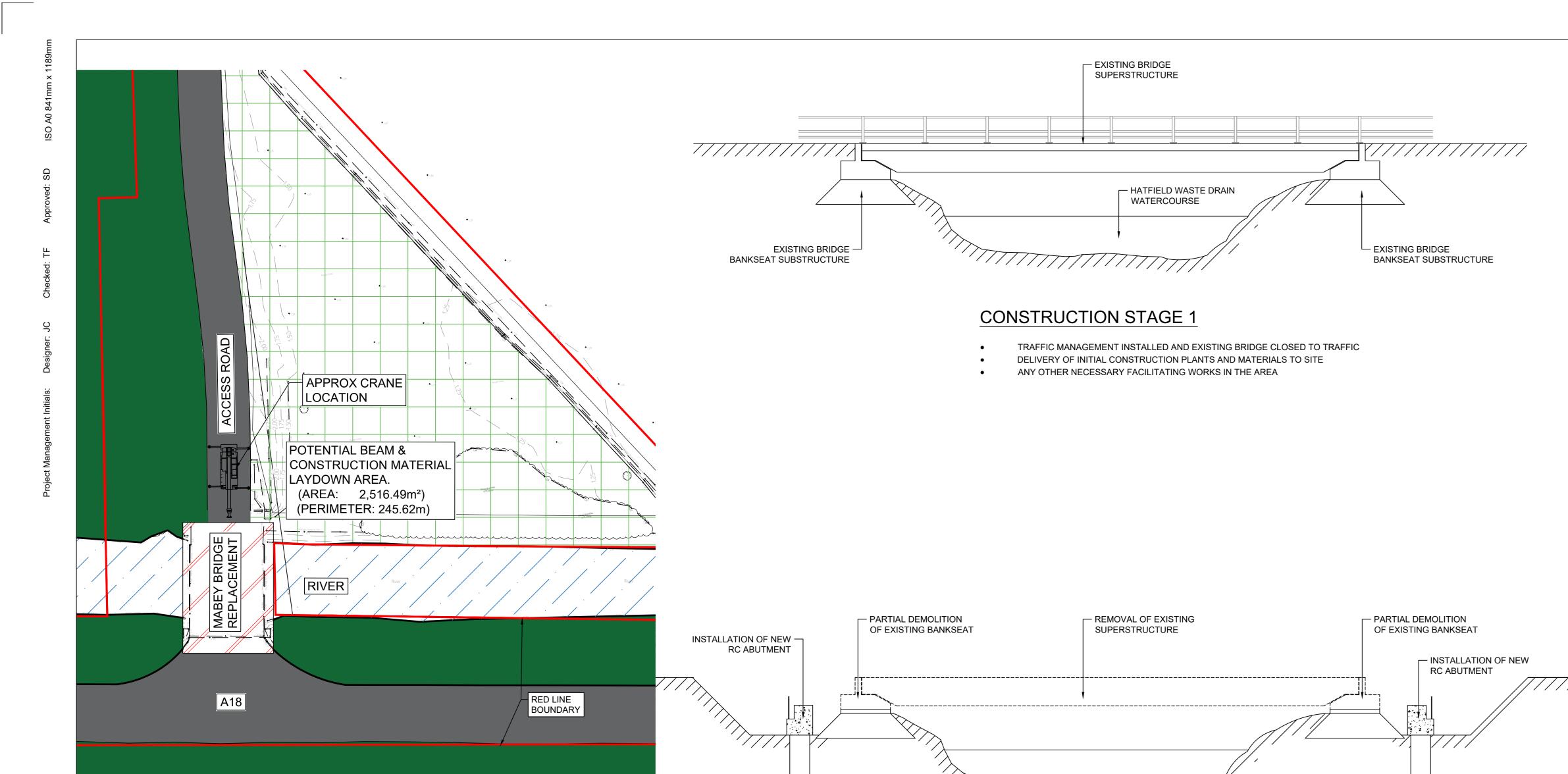
PROJECT NUMBER

60625943 SHEET TITLE

INDICATIVE LAYOUT PLAN - MABEY BRIDGE REPLACEMENT INTEGRAL COMPOSITE WEATHERING STEEL

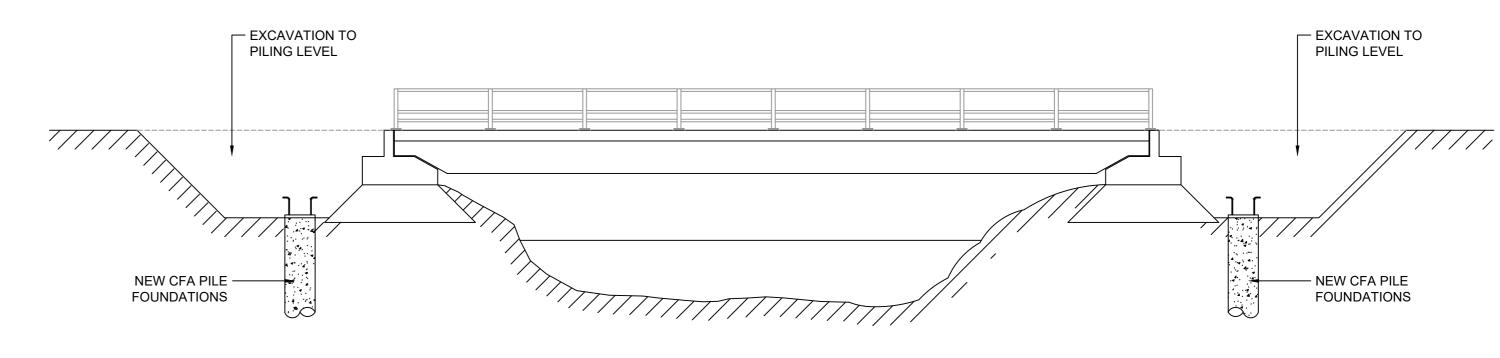
SHEET NUMBER

APPLICATION DOCUMENT REF. 4.16



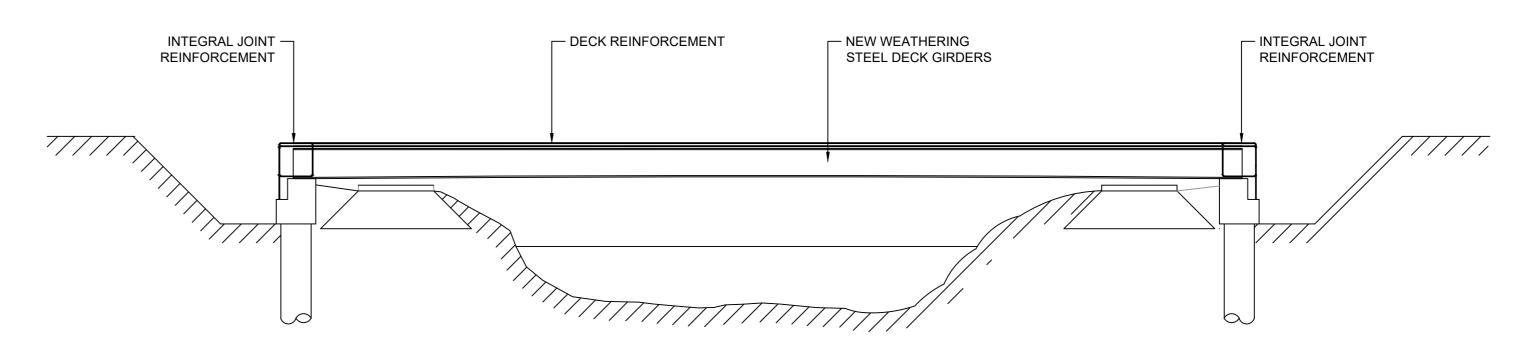
CONSTRUCTION STAGE 3

- INSTALLATION OF NEW ABUTMENT REINFORCEMENT
- CONSTRUCTION OF ABUTMENT TEMPORARY FORMWORK
- CASTING OF ABUTMENT CONCRETE AND REMOVAL OF FORMWORK
- REMOVAL OF EXISTING BRIDGE SUPERSTRUCTURE VIA LIFTING PARTIAL REMOVAL OF THE TOP PART OF THE EXISTING BANKSEAT TO
- FACILITATE NEW BRIDGE DECK



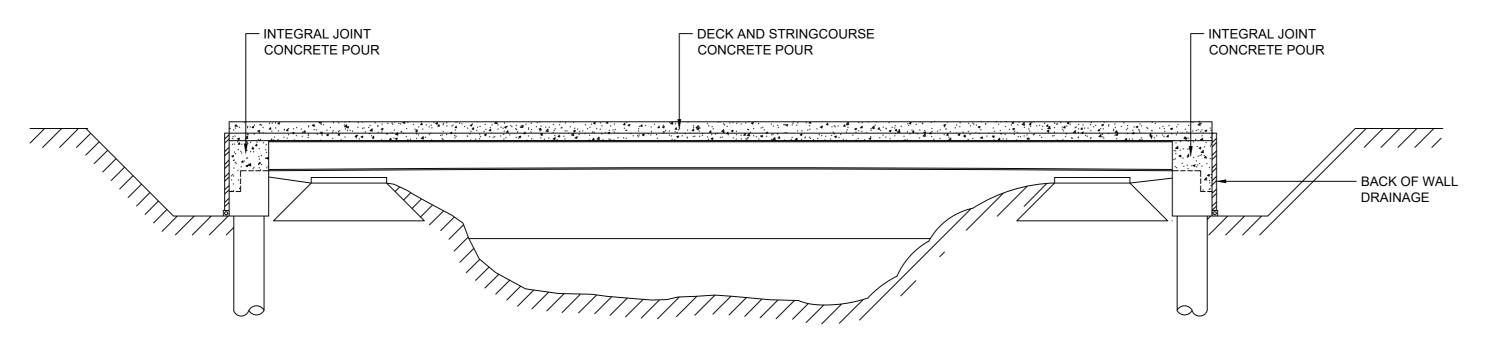
CONSTRUCTION STAGE 2

- DIVERSION AND/OR PROTECTION OF ANY EXISTING SERVICES IN THIS AREA AS REQUIRED
- EXCAVATION TO THE REAR OF THE EXISTING BRIDGE SPAN ENDS DOWN TO PILING LEVEL PILING FACILITATING WORKS AND INSTALLATION OF TEMPORARY PILING PLATFORM
- NEW CFA PILE FOUNDATIONS TO BE INSTALLED AT BOTH SPAN ENDS



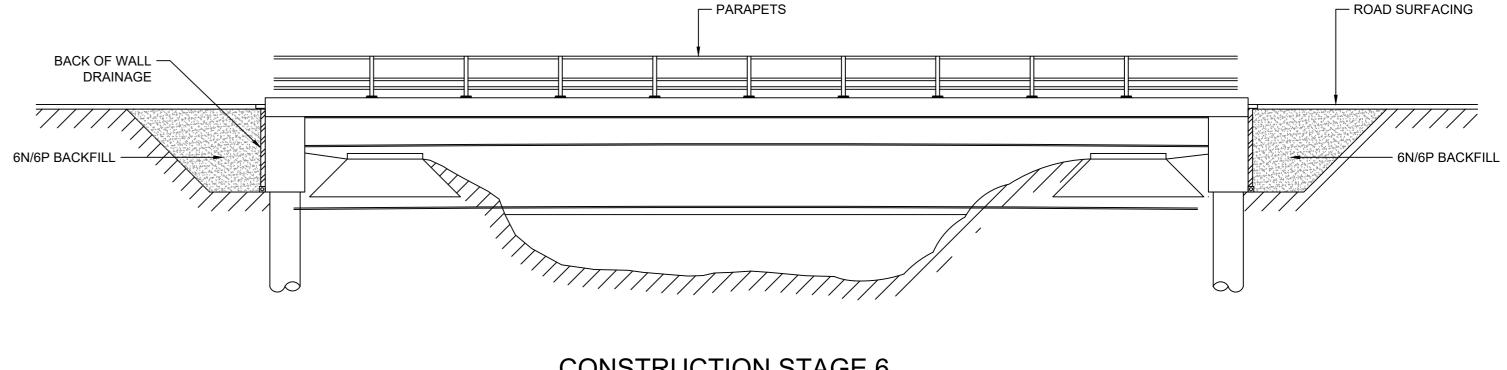
CONSTRUCTION STAGE 4

- INSTALLATION OF 10NO. NEW WEATHERING STEEL BRIDGE DECK GIRDERS
- IN BRACED PAIRS VIA CRANE INSTALLATION OF PERMANENT FALSEWORK BETWEEN GIRDERS
- INSTALLATION OF DECK AND INTEGRAL ABUTMENT JOINT REINFORCEMENT
- PREPARATION OF AREA FOR DECK CONCRETE POUR TEMPORARY FENCING IS REQUIRED ON BOTH SIDES OF THE BRIDGE



CONSTRUCTION STAGE 5

- POUR OF DECK CONCRETE, INCLUDING STRINGCOURSES, MAKING STRUCTURE INTEGRAL AT THE ABUTMENTS, SEQUENCES OF THE
- CONCRETING CAN CHANGE TO SUIT THE DETAILED DESIGN INSTALLATION OF DECK WATERPROOFING SYSTEM
- INSTALLATION OF BACK OF WALL DRAINAGE BEHIND NEW STRUCTURE ABUTMENTS



CONSTRUCTION STAGE 6

- INSTATE OR RE-INSTATEMENT OF ANY SERVICES AS REQUIRED, BACKFILLING BEHIND NEW STRUCTURE ABUTMENTS WITH WELL
- COMPACTED 6N/6P FILL UP TO DECK LEVEL
- INSTALLATION OF PARAPETS INSTALLATION OF SURFACING TO DECK AND APPROACHES



EXISTING BRIDGE PHOTOS - WEST VIEW



EXISTING BRIDGE PHOTOS - EAST VIEW

THE KEADBY 3 CARBON CAPTURE EQUIPPED GAS FIRED GENERATING STATION ORDER REGULATION 5(2)(0) - INFRASTRUCTURE PLANNING (APPLICATIONS: PRESCRIBED FORMS AND PROCEDURES REGULATIONS

The Keadby 3 (Carbon

Capture Equipped Gas

KEADBY GENERATION

Order

APPLICANT

CONSULTANT

2 CITY WALK

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Fired Generating Station)

TOPOGRAPHICAL SURVEY PROVIDED BY

AVOIN MAA SURVEYS LTD TO AECOM ON 29/03/2021 FROM DATA COLLECTED ON

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HIGHWAY AUTHORITY (NORTH

(NORTH LINCOLNSHIRE COUNCIL).

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ISSUE/REVISION

P01 09.03.2021 | WW | FIRST ISSUI

I/R DATE BY DESCRIPTION

PROJECT NUMBER

60625943 SHEET TITLE

MABEY JUNCTION REPLACEMENT BRIDGE CONSTRUCTION SEQUENCE

SHEET NUMBER

APPLICATION DOCUMENT REF. 4.16 SHEET 2 OF 2