SECTION 01-01

1:125

SECTION 02-02

1:100

INDICATIVE CENTRAL RESERVATION TEMPORARY WORKS

1:125

NOTES

GENERAL

G1. REFER TO DRAWING 24177/1504/SK001 FOR NOTES.

ELEVATION 03-03

1:125

OUTLINE CONSTRUCTION METHODOLOGY

STAGE 1: NORTH EMBANKMENT WIDENING WORKS WITH TRADITIONAL EARTHWORKS

STAGE 2: OFFLINE CONSTRUCTION AND INSTALLATION OF SOUTH REINFORCED CONCRETE BOX STRUCTURE

A. GROUND PREPARATION WORKS TO ENABLE OFFLINE CONSTRUCTION AND INSTALLATION OF REINFORCED CONCRETE BOX STRUCTURE AT SOUTH SIDE OF MOTORWAY;
B. OFFLINE CONSTRUCTION OF REINFORCED CONCRETE BOX STRUCTURE;
C. INSTALLATION OF STEEL SHEET PILES;
D. INITIAL EXCAVATION TO ENABLE INSTALLATION OF FIRST ROW OF GROUND ANCHORS;
E. INSTALLATION AND PRE-TENSIONING OF FIRST ROW OF GROUND ANCHORS;
F. FURTHER EXCAVATIONS AND INSTALLATION OF SUBSEQUENT ROWS OF GROUND ANCHORS DOWN TO THE STRUCTURE'S FORMATION LEVEL;
G. SLIDING OF STRUCTURE ON BENTONITE BED USING HYDRAULIC JACKS;
H. BACKFILLING OF PROPOSED STRUCTURE;
I. CARRIAGEWAY REINSTATAMENT.

STAGE 3: OFFLINE CONSTRUCTION AND INSTALLATION OF NORTH REINFORCED CONCRETE BOX STRUCTURE

J. GROUND PREPARATION WORKS TO ENABLE OFFLINE CONSTRUCTION OF REINFORCED CONCRETE BOX STRUCTURE AT NORTH SIDE OF MOTORWAY;
K. OFFLINE CONSTRUCTION OF REINFORCED CONCRETE BOX STRUCTURE;
L. REMOVAL OF TEMPORARY WORKS IN CENTRAL RESERVATION TO ENABLE INSTALLATION OF NORTH BOX STRUCTURE AND INSTALLATION OF GROUND ANCHORS IN OPPOSITE DIRECTION ON THE APPROACHES TO THE SOUTH BOX CULVERT;
M. SLIDING STRUCTURE ON BENTONITE BED USING HYDRAULIC JACKS;
N. IN-SITU CONCRETE STICH / JOINT BETWEEN TWO HALVES OF STRUCTURE;
O. BACKFILLING OF PROPOSED STRUCTURE;
P. CARRIAGEWAY REINSTATAMENT.

NOTES:

- SERVICE DIVERSION AND TRAFFIC MANAGEMENT WORKS NOT COVERED.
- ALTERNATIVE METHODS OF CONSTRUCTION SUCH AS THE USE OF SELF-PROPELLED MODULAR TRANSPORTERS MAY BE CONSIDERED FOR THE INSTALLATION OF THE PROPOSED STRUCTURE IN TWO HALVES.

Mark	Revision	Date	Drawn	Chkd	Appd
P01.1	FIRST ISSUE	-	GCP	-	-

SCALING NOTE: Do not scale from this drawing. If in doubt, ask.

UTILITIES NOTE: The position of any existing public or private sewers, utility services, plant or apparatus shown on this drawing is believed to be correct, but no warranty to this is expressed or implied. Other such plant or apparatus may also be present but not shown. The Contractor is therefore advised to undertake their own investigation where the presence of any existing sewers, services, plant or apparatus may affect their operations.

Drawing Issue Status

FOR INFORMATION

WICHELSTOWE DEVELOPMENT
SOUTHERN ACCESS
INDICATIVE 10 DEGREE UNDERPASS
CONCEPT GENERAL ARRANGEMENT 2 OF 2

WORK IN PROGRESS

DATE: December 2017 TIME: 4:27 PM

Client

Swindon Borough Council

Date of 1st Issue	Designed	Drawn
05.12.2017	JAS	GCP
A1 Scale	Checked	Approved
AS SHOWN	JWS	-

Drawing Number: 24177/1504/SK002

Revision: P01.2

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