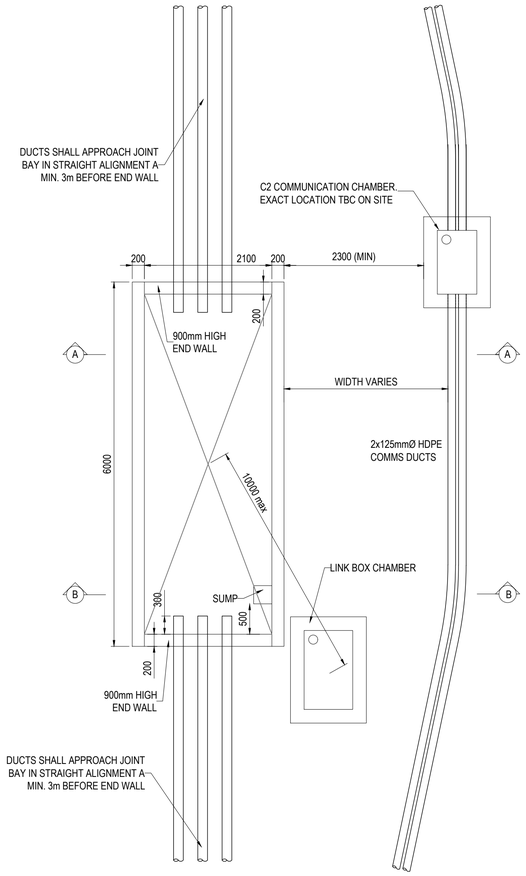
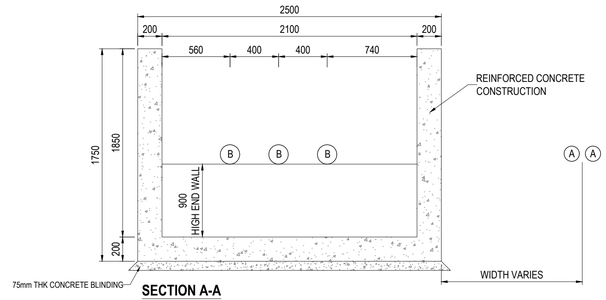
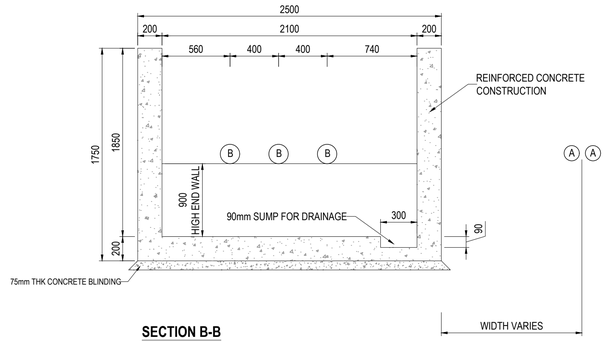


PLAN
SCALE 1:50



SECTION A-A
SCALE 1:25



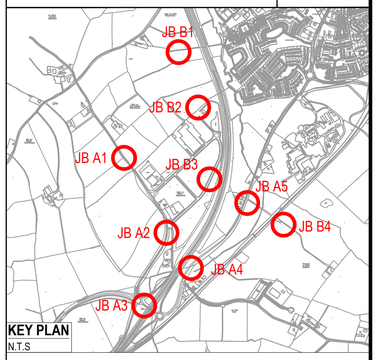
SECTION B-B
SCALE 1:25

GENERAL NOTES:

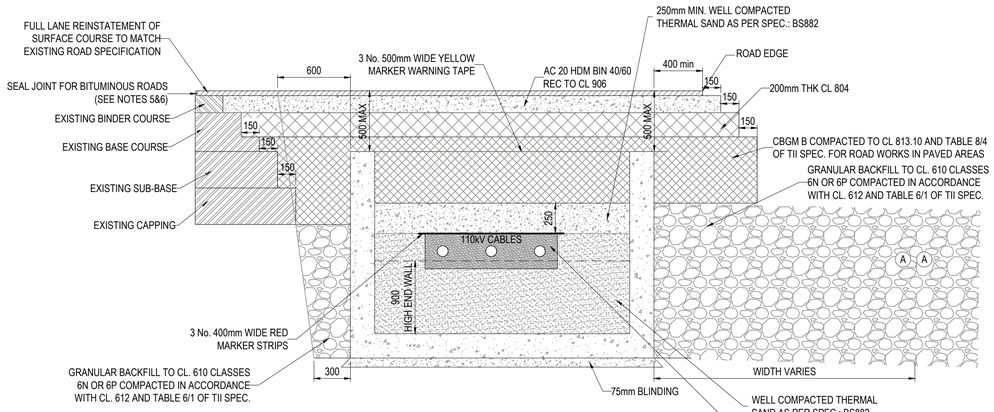
1. ALL PRECAST CONCRETE ELEMENTS TO BE MANUFACTURED TO BS EN 13369:2004 "COMMON RULES FOR PRECAST CONCRETE PRODUCTS.
2. LIFTING INSERTS TO BE DESIGNED & INSTALLED TO PD CEN/TR 15728:2008 "DESIGN AND USE OF INSERTSFOR LIFTING AND HANDLING OF PRECAST CONCRETE ELEMENTS.
3. SPECIFIED LIFTING INSERTS HAVE A S.W.L OF 10 TONNE.
4. LOCATION & SPECIFICATION OF LIFTING INSERTS ARE ASSUMED TO FACILITATE DEMOULDING AND HANDLING IN PRECAST MANUFACTURING FACTORY. IT IS THE RESPONSIBILITY OF THE PRECAST MANUFACTURER TO NOTIFY THE ESBI ENGINEER IF THESE ARE UNSUITABLE FOR HIS MANUFACTURING METHODOLOGY.ESBI ENGINEER TO BE INFORMED OF ANY ALTERNATIVE LIFTING LOCATIONS FOR FACTORY HANDLING AND DEMOULDING. .
5. CONCRETE TO HAVE A MINIMUM STRENGTH OF 30N/mm² PRIOR TO HANDLING O DEMOULDING.
6. MAIN CONTRACTOR TO ENSURE THAT A METHOD STATEMENT AND RISK ASSESSMENT INCLUDING A LIFTING PLAN , IS PRODUCED FOR INSTALLATION AND ARE AVAILABLE TO ESBI ENGINEER FOR REVIEW IF REQUESTED. LIFTING PLAN TO INCORPORATE REQUIREMENTS OF LIFTING INSERTS AND LIFTING LOOP EYES.
7. A MINIMUM LIFTING SLING ANGLE OF 50° TO THE HORIZONTAL IS REQUIRED.
8. A LIFTING SYSTEM WHICH ENSURES ALL LIFTING POINTS TAKE ON AN EQUAL LOAD IS REQUIRED.
9. HALFEN DEHA SPHERICAL LIFTING ANCHORS TO BE USED AS SPECIFIED. ANY DEVIATION FROM THIS MUST BE NOTIFIED TO ESBI ENGINEER BY PRECAST MANUFACTURER. LIFTING INSERTS TO BE INSTALLED AS PER MANUFACTURERS GUIDELINES AND IN ACCORDANCE WITH PD CEN/TR 15728:2008.
10. FORMWORK FOR PRECASTING TO BE OF A MINIMUM STANDARD OF VARNISHED WOODEN MOULD WITH PLANED BOARDS.
11. COVER TO REINFORCEMENT TO BE 40mm.
12. CONCRETE TO BE GRADE C30/C37
13. ALL CONCRETE TO BE IN ACCORDANCE WITH IS EN 206-1:2002 WITH THE MIXED DESIGNS SHOWN IN TABLE 1.
14. FOR 7.9m JOINT BAY INSERT 1 No. ADDITIONAL PRECAST SECTION 2. FOR 9.8m JOINT BAY INSERT 2 No. ADDITIONAL PRECAST SECTIONS 2.
15. THE DEPTH FROM GROUND /ROAD LEVEL TO THE TOP OF THE CONCRETE WALL SHALL BE:
    - A). 500mm - IN CULTIVATED FIELDS AND GRASS LANDS
    - B). 300mm - IN PAVED ROADS AND GRASS VERGES
    - C). 350mm - IN PAVED ROADS IN DUBLIN CITY COUNCIL ROADS AND GRASS VERGES.

DRAWING IS PRODUCED USING THE IRISH TRANSVERSE MERCATOR (ITM) GEOGRAPHIC COORDINATE SYSTEM

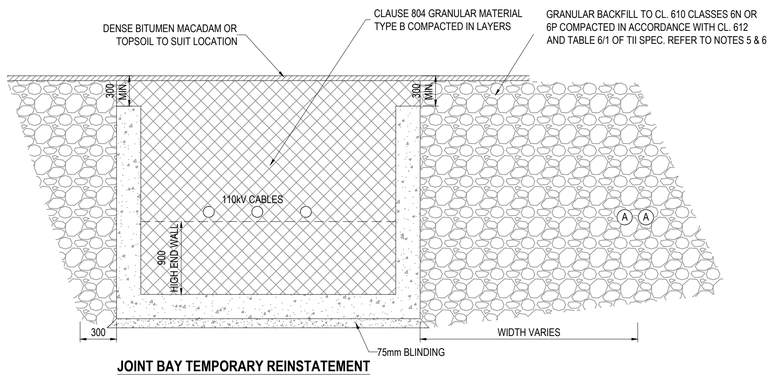
A1



KEY PLAN
N.T.S



JOINT BAY PERMANENT REINSTATEMENT IN ROADS
SCALE 1:25



JOINT BAY TEMPORARY REINSTATEMENT
SCALE 1:25

Rev	Description	Drawn	Checked	Date
P01	ISSUE FOR PLANNING	KT	DRL	21/10/22

Clifton Scannell Emerson Associates

Clifton Scannell Emerson Associates Limited
Consulting Engineers,
Seafort Lodge,
Castledawson Avenue,
Blackrock, Co. Dublin,
Ireland, A94 P768

T: +353 1 288 5006
F: +353 1 283 3466
E: info@csea.ie
W: www.csea.ie

Client: CRAG WICKLOW LIMITED

Project: DUB 30 GRID CONNECTION

Dwg. Title: TYPICAL JOINT BAY DETAILS

Drawn By: KT | Date: SEP. 2022

Checked By: DRL | Scale: AS INDICATED @ A1

CSEA Job No.: 22_131

Project Code	Originator	Zone/ Phase	Level	Type	Role	Dwg. No.
22_131	CSE	GEN	XX	DR	C	1531

Status Code: S2 — Suitability Description: SUITABLE FOR INFORMATION

Revision: P01 — Project Status: PLANNING