

SCALE 1:25

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

A1

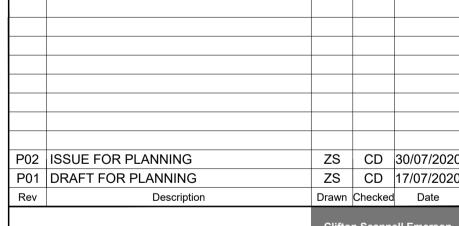
GENERAL NOTES:

- 1. ALL PRECAST CONCRETE ELEMENTS TO BE MANUFACTURED TO BS EN 13369:2004 "COMMON RULES FOR PRECAST CONCRETE PRODUCTS.
- LIFTING INSERTS TO BE DESIGNED & INSTALLED TO PD CEN/TR 15728:2008 "DESIGN AND USE OF INSERTSFOR LIFTING AND HANDLING OF PRECAST CONCRETE ELEMENTS.
- SPECIFIED LIFTING INSERTS HAVE A S.W.L OF 10 TONNE.
 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 AS SPECIFIED IN TABLE 1 ON DWG
- NO: 18_139-CSE-HEL-XX-DR-C-2746 .

 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.
- 16. LINK BOX CHAMBER TO BE POSITIONED AT THE EDGE OF OR OFF ROAD.





ENGINENODE

ENGINENODE 220 KV SUBSTATION
AND GRID CONNECTION

TYPICAL DETAILS FOR JOINT BAYS

PLANNING

Status Code FOR INFORMATION
Suitability Description

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