



- NOTES
- DO NOT SCALE FROM THIS DRAWING.
  - ALL LEVELS ARE IN mAOD.
  - ALL DRAINAGE ELEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SPECIFICATION 133735\_RW-EWR-XX-XX-SP-DR-000001.
  - EXISTING LEVELS ARE BASED ON LIDAR SURVEY DATA.
  - ALL CO-ORDINATES ARE BASED ON "EWR2 SNAKEGRID".
  - FOR DETAILS OF RESIDUAL RISKS REFER TO HAZARD RISK REGISTER 133735-NWR-RSA-SSD-000001.
  - PROJECT CHAINAGE DATUM OXD 18m1 0ch = Ch108466.778m.
  - DRAWING TO BE READ IN CONJUNCTION WITH STANDARD DETAILS DRAWINGS 133735\_RW-EWR-XX-XX-DR-DR-050001 TO 050006.
  - LOW VOLTAGE ELECTRICITY CABLES HAVE NOT BEEN SHOWN ON THE ROUTE WIDE UTILITIES MODEL 133735\_RW-EWR-EWL-XXXXXXX-M2-U-010001. CONTRACTOR TO DEVELOP SAFE METHOD OF WORKING IN LINE WITH CLAUSE 180.008a OF THE DRAINAGE SPECIFICATION 133735\_RW-EWR-XX-XX-SP-DR-000001 IN ORDER TO MANAGE THE RESIDUAL RISK. LOCATION OF UNCHARTERED SERVICES SHALL BE NOTIFIED TO THE DRAINAGE DESIGNER.
  - DRAWING TO BE READ IN CONJUNCTION WITH DRAINAGE SCHEDULE 133735\_2A-EWR-OXD-XX-SH-DR-000020 AND 133735\_2A-EWR-OXD-XX-SH-DR-000021.

- KEY:
- PROPOSED PERMANENT BOUNDARY
  - EXISTING WATERCOURSE
  - REGRADED SLOPE (1 in 2.5) TO TIE IN DRAINAGE WITH EXISTING GROUND
  - PROPOSED RETAINING WALL
  - NR HISTORIC CABLE ROUTE (TO BE REMOVED DURING SITE CLEARANCE)
  - UNDERGROUND HIGH PRESSURE GAS MAIN
  - UNDERGROUND MEDIUM PRESSURE GAS MAIN
  - THAMES WATER SEWER
  - UNDERGROUND BT
  - OVERHEAD HIGH VOLTAGE CABLE
  - PROPOSED FILTER DRAIN
  - PROPOSED CARRIER DRAIN
  - PROPOSED HEADWALL
  - EXISTING DRAINAGE DITCH TO BE MODIFIED
  - PROPOSED DRAINAGE DITCH IN ACCORDANCE WITH DRAWING 133735\_RW-EWR-XX-XX-DR-DR-050001
  - SETTING OUT POINT / CATCHPIT

**APPROVED FOR CONSTRUCTION**

Name <b>Julien Green</b>	Title <b>CEM Design</b>
Signed <b>J. Green</b>	Date <b>07/05/20</b>
Status	<b>CURRENT</b>

Rev	Date	Description of Revisions	Dend	Chkd	Appr
C01	14/05/20	APPROVED FOR CONSTRUCTION	S.G.	B.W.	J.G.
Accepted for Implementation					
A6					



Project  
**East West Rail (Western Section) Phase 2**

Drawing Title  
**2A2 Civil Engineering Drainage Design Sheet 11 of 11 Ch 105000 - 104750**

Designed	Steven Genever	Signed	S. Genever	Date	28/01/20
Drawn	Muthusamy M Kannan	Signed	M. M. Kannan	Date	19/03/19
Checked	Ben Wilding	Signed	B. Wilding	Date	28/01/20
Approved	Julien Green	Signed	J. Green	Date	07/05/20

Scale(s)  
1:250  
ELR - Project Chainage (Miles Yards)  
OXD - 15m 68ch - 15m 53ch

Design Package Risk Classification  
**Normal**

Sheet  
11 of 11

Alternative Reference  
Revision  
**C01**

Drawing Number  
**133735\_2A-EWR-OXD-XX-DR-DR-000017**

**Safety, Health and Environmental Information**  
The works are to be undertaken by a competent contractor, and therefore only exceptional risks relating to the works associated with this drawing are identified below. For further details and proposed safety measures refer "EWR CDM PHASE 2 HAZARD LOG" eB doc. Ref: 133735-EWR-LOG-SSD-000004.

ID	Hazard description
EWR2-HAZ-01754	OVERHEAD HV CABLE CROSSING

INDICATES PROJECT RISKS (EWR2-DRIS-.....)

INDICATES H&S RISKS (EWR2-HAZ-.....)

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