

Wallace Whittle Ltd operates a Building Information Modelling (BIM) Level 2 - Business System in accordance with ISO 15926-2 and a Quality Management System certified to ISO 9001.

DETAILS SHOWN FROM OTHERS WITHIN THE DESIGN TEAM ARE FOR REFERENCE ONLY. THE DRAWING SHOULD BE READ IN CONJUNCTION WITH THE ORIGINAL DOCUMENT.

DO NOT SCALE FROM THIS DRAWING.

LINKED INFORMATION

Discipline	Drawing No.	Issue Date	Rev.
ARCHITECTURAL	A2042-100	05.04.2024	A

GENERAL NOTES

- THIS DRAWING HAS BEEN DEVELOPED TO RIBA STAGE 2 IN ACCORDANCE WITH BSRIA BG 6 (2018) CONCEPT DRAWING DEFINITION.
- THIS DRAWING PROVIDES THE TECHNICAL MEP DESIGN INFORMATION & DISTRIBUTION PRINCIPLES ONLY AND MUST NOT BE USED FOR INSTALLATION.
- THIS DRAWING IS TO BE READ FULLY IN CONJUNCTION WITH THE WALLACE WHITTLE MEP STAGE 2 REPORT, ENERGY STRATEGY AND OTHER DESIGN NOTES AS APPLICABLE.
- THIS DRAWING IS TO BE READ FULLY IN CONJUNCTION WITH ALL RELEVANT DESIGN TEAM INFORMATION WHICH INCLUDES BUT IS NOT LIMITED TO MEP, CIVIL, STRUCTURAL, ARCHITECTURAL, FIRE ENGINEER, ACUSTIC AND AIR QUALITY.

EXTERNAL LIGHTING NOTES

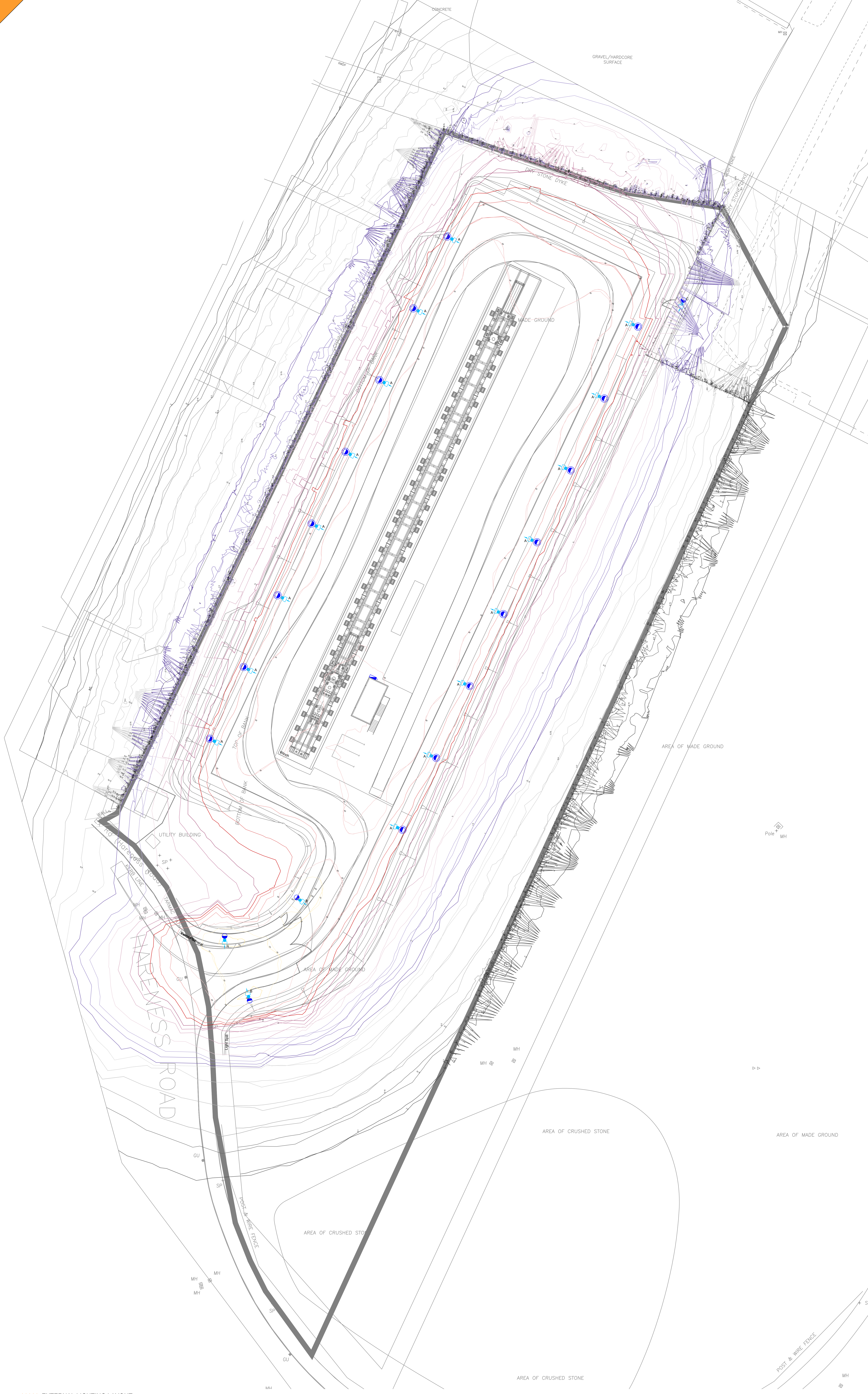
- ALL INSTALLATIONS DETAILED ON THIS DRAWING ARE TO COMPLY WITH THE WALLACE WHITTLE MECHANICAL AND ELECTRICAL SERVICES TECHNICAL SPECIFICATION AND THIS DRAWING SHOULD THEREFORE BE READ IN CONJUNCTION WITH THE SPECIFICATION.
- THE CIVIL ENGINEERING CONTRACTOR SHALL REFER TO THE STRUCTURAL ENGINEERING DRAWINGS AND DETAILS FOR SEWAGE AND RAINWATER SERVICES.
- THE CIVIL CONTRACTOR SHALL CO-ORDINATE THE VARIOUS INSTALLATIONS WITH THE UTILITY PROVIDERS.
- DRAWING TO BE READ FULLY IN CONJUNCTION WITH ALL RELEVANT DESIGN TEAM DRAWINGS, REPORTS AND SPECIFICATIONS WHICH INCLUDES BUT IS NOT LIMITED TO MEP, CIVIL, STRUCTURAL, ARCHITECTURAL, FIRE ENGINEER, ACUSTIC CONSULTANT.
- ALL DUCTWORK SIZES AND ROUTES ARE INDICATIVE ONLY.
- ALL COLUMN MOUNTED LUMINAIRES TO BE FITTED WITH ANTI-BIRD SPIKES & COLUMNS FINISHED AS PER THE TECHNICAL SPECIFICATION AFTER INSTALLATION COMPLETE.
- YARD LIGHTING, SITE ENTRANCE LIGHTING AND LINK PATH LIGHTING TO BE CONTROLLED BY TIME CLOCK AND PHOTOCELL.
- THE ELECTRICAL CONTRACTOR SHALL INSTALL AND COMMISSION ALL ELECTRICAL WIRING IN ACCORDANCE WITH BS 7671 WITH I.E. WIRING REGULATIONS.
- ALL WIRING TO COLUMN AND BUILDING MOUNTED EXTERNAL LIGHTING TO BE CARRIED OUT IN CLOSURE SPEEDWASER ARMOURISED CABLE. REFER TO CIRCUIT CHARTS FOR CABLE SIZE. CABLING FROM COLUMN ISOLATOR TO LUMINAIRE HEAD TO BE 15mm² ARCTIC BLUE.
- CABLING TO PHOTO-CELL SHALL BE CARRIED OUT IN 6.0mm² 2-CORE PVCISWAPVC CABLE.
- EACH LIGHTING COLUMN SHALL BE ERECTED & ALIGNED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS & SITED SO ACCESS DOORS ARE FACING ON-COMING TRAFFIC.
- FOR THE TERMINATION OF THE EXTERNAL LIGHTING POWER SUPPLY TO THE COLUMN, A 3 WAY CUT-OUT UNIT WILL BE INSTALLED WITHIN THE BASE OF THE COLUMN FIXED TO A TIMBER BACK BOARD. THE CUT-OUT UNIT WILL BE SUITABLE FOR THE TERMINATION OF 10mm² 3-CORE ARMOUR CABLES OR NECESSARY GLAND PLATE AND SPREADER BOX ASSEMBLY. THE PROTECTIVE FUSE WITHIN THE CUT-OUT UNIT WILL BE A 10 AMP MCB / HRC BS88 FUSES. THE FUSED CUT-OUT UNIT WILL BE ASH HIGH IMPACT RESISTANT FINISH & COMPLY WITH BS 7534 AS TO TOP CO FINISH OR EQUAL APPROVED.
- AN EARTH PLATE COPPER LATTICE IS TO BE INSTALLED AT THE LAST COLUMN FOR EACH LIGHTING CIRCUIT.
- CONTRACTOR SHALL ALLOW FOR FINAL ALIGNMENT OF LUMINAIRES ON COLUMNS PRIOR TO COMMISSIONING.
- ALL DUCTS SHALL BE SEALED CW DRAW ROPES AFTER ALL CABLES ARE INSTALLED & ALL SPARE FUTURE DUCTS SHALL BE CAPPED AT BOTH ENDS.
- POSITIONS OF LUMINAIRES AND COLUMNS ARE INDICATIVE. FINAL POSITIONING TO BE AGREED WITH THE ARCHITECT AND CO-ORDINATED WITH LANDSCAPE ARCHITECTS EXTERNAL DRAWINGS.
- REFER TO LUMINAIRE SCHEDULE FOR DETAILS OF LUMINAIRE TYPES & REFERENCES.
- ALL EXTERNAL LIGHTING WILL SET BACK TO A REDUCED LEVEL OF 10% BETWEEN 2300 AND 0700 WITH MICROWAVE DETECTOR OVERRIDE AT THE SITE ENTRANCE AND A EXTERNAL OVERRIDE SWITCH LOCATED ON THE OUTSIDE OF THE CONTROL ROOM TO RESTORE THE LIGHTING TO 100% OUTPUT.

EXTERNAL LIGHTING LEGEND

- A** - IGUZZINI WOW LUMINAIRE 2700K, 184.2W, ASYMMETRIC OPTIC. INSTALLED ON 100mm HEAVY DUTY STEEL CONICAL COLUMN ON MANUFACTURERS BRACKET
- B** - IGUZZINI WOW LUMINAIRE 2700K, 88W, STREET OPTIC. INSTALLED ON 60mm HEAVY DUTY STEEL CONICAL COLUMN ON MANUFACTURERS BRACKET
- C** - IGUZZINI WOW LUMINAIRE 2700K, 36.3W, STREET OPTIC. INSTALLED ON 60mm HEAVY DUTY STEEL CONICAL COLUMN ON MANUFACTURERS BRACKET
- D** - SPAN DISTRIBUTION BOARD WITH TIMECLOCK CONTROLS

EXTERNAL LIGHTING LEVELS LEGEND

- 0.1 LUX
0.15 LUX
0.2 LUX
0.3 LUX
0.5 LUX
0.75 LUX
1 LUX
1.5 LUX
2 LUX
3 LUX
5 LUX
7.5 LUX
10 LUX
15 LUX
20 LUX
30 LUX
50 LUX
75 LUX
100 LUX



EXTERNAL LIGHTING LAYOUT
1:250

Client:
ENERGY TRANSITION ZONE LTD

Project:
MOORING LINE TEST FACILITY
HARENESS ROAD
ABERDEEN

Service:
ELECTRICAL

Drawing Stage:
STAGE 2

Date:
JUL 2024

Scale:
1:250 @ A0

Eng/CAD:
LG/LG

Checked:
AAF/AM

Wallace Whittle Ltd
11 Mainland Square
Broom Street
Aberdeen
AB10 1BL
www.wallacewhittle.com

Abertown Belfast Birmingham Edinburgh Glasgow London Manchester Warrington

Abertown Belfast Birmingham Edinburgh Glasgow London Manchester Warrington

Title:
EXTERNAL LIGHTING LAYOUT

Internal Project No:
24300

Drawing No:
24300-WWL-XX-XX-DR-E-97001

Revision:
P01

Rev
Date
Description
Eng
Ckd
CAD

P:\24300 - Moorings Line Test Facility\24300-WWL-XX-XX-DR-E-97001.dwg
P01: 31/07/2024
Rev: 01
Date: 31/07/2024
Description: PLANNING ISSUE
Eng: LG/LG
Ckd: AAF/AM
CAD: AAF/AM