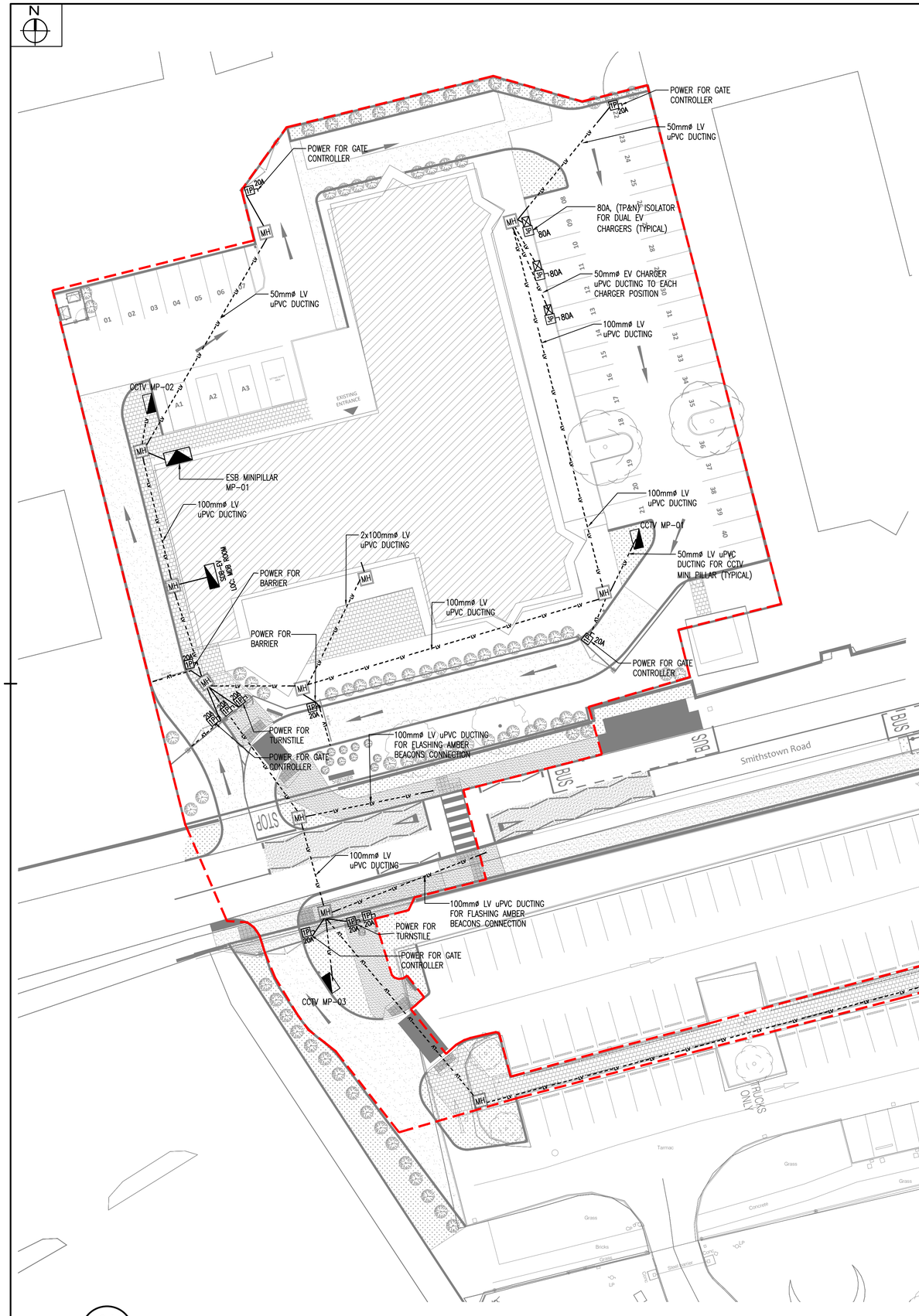



01 SITE LV DUCTING LAYOUT-SITE PLAN
60-S2 SCALE: 1:250@A1

## HGV GATE AUTOMATION NOTES :

1. PROVIDE AUTOMATED OPERATION AND CONTROL INTERFACES FOR THE HGV GATE AS INDICATED ON THE APPROVED SITE AND SECURITY DRAWINGS.
2. THE GATE AUTOMATION SYSTEM SHALL INCLUDE THE REQUIRED OPERATOR, CONTROL PANEL, POWER SUPPLY, LOCAL ISOLATION, SAFETY DEVICES AND ASSOCIATED ACCESSORIES SUITABLE FOR THE SELECTED GATE TYPE.
3. COORDINATE GATE OPERATION WITH THE ACCESS CONTROL SYSTEM, INTERCOM SYSTEM, CCTV SYSTEM AND SECURITY OFFICER'S CONTROL STATION.
4. PROVIDE VEHICLE DETECTION, OBSTRUCTION PROTECTION AND OTHER SAFETY DEVICES REQUIRED BY THE SELECTED EQUIPMENT AND APPLICABLE SAFETY REQUIREMENTS.
5. PROVIDE THE NECESSARY ELECTRICAL SUPPLY, CONTROL CABLING, DATA CONNECTIONS, CONTAINMENT AND UNDERGROUND DUCTS TO THE GATE EQUIPMENT.
6. COORDINATE GATE FOUNDATIONS, CABLE ENTRY POINTS, VEHICLE DETECTION LOOPS AND BURIED SERVICES WITH THE CIVIL AND STRUCTURAL WORKS.
7. AUTHORISED REMOTE RELEASE SHALL BE PROVIDED THROUGH THE APPROVED SECURITY CONTROL ARRANGEMENT. GATE OPERATION SHALL NOT BYPASS REQUIRED SAFETY INTERLOCKS OR EMERGENCY EGRESS PROVISIONS.
8. CONFIRM GATE TYPE, OPERATING SEQUENCE, POWER REQUIREMENTS, SAFETY ARRANGEMENTS AND INTERFACE DETAILS WITH THE GATE MANUFACTURER AND SECURITY SYSTEM SPECIALIST BEFORE INSTALLATION.
9. TEST AND COMMISSION THE COMPLETE GATE AUTOMATION SYSTEM, INCLUDING SAFETY DEVICES, ACCESS CONTROL, INTERCOM AND APPROVED STATUS INDICATIONS.

## EV CHARGER NOTES :

1. PROVIDE POWER SUPPLIES TO THE PROPOSED EV CHARGING POINTS AS INDICATED ON THE DRAWINGS. FINAL CHARGER LOCATIONS AND QUANTITIES SHALL BE COORDINATED WITH THE CLIENT AND ARCHITECT.
2. ELECTRICAL CONTRACTOR TO CONFIRM THE CONNECTED LOAD, SUPPLY VOLTAGE, PHASE REQUIREMENTS AND MANUFACTURER'S INSTALLATION REQUIREMENTS FOR EACH EV CHARGER PRIOR TO INSTALLATION.
3. PROVIDE SUITABLY RATED DEDICATED CIRCUITS, OVERCURRENT PROTECTION, ISOLATION AND RCD/DC LEAKAGE PROTECTION AS REQUIRED BY THE SELECTED EV CHARGER AND APPLICABLE STANDARDS.
4. PROVIDE POWER CABLING AND ASSOCIATED CONTAINMENT FROM THE DESIGNATED DISTRIBUTION BOARD TO EACH EV CHARGER. CABLE SIZES AND PROTECTIVE DEVICE RATINGS SHALL BE VERIFIED BY CALCULATION, INCLUDING VOLTAGE DROP, FAULT PROTECTION AND INSTALLATION CONDITIONS.
5. COORDINATE EV CHARGER LOCATIONS WITH PARKING BAYS, VEHICLE MOVEMENT, ACCESSIBLE PARKING REQUIREMENTS, KERBS, DRAINAGE AND OTHER UNDERGROUND SERVICES.
6. PROVIDE DATA/COMMUNICATIONS CABLING OR WIRELESS CONNECTIVITY WHERE REQUIRED BY THE SELECTED EV CHARGER, CHARGER MANAGEMENT SYSTEM OR CLIENT REQUIREMENTS. CONFIRM THE COMMUNICATIONS INTERFACE BEFORE INSTALLATION.
7. ALL EV CHARGER INSTALLATIONS SHALL BE TESTED, COMMISSIONED AND LABELLED. UPDATE THE AS-INSTALLED DRAWINGS TO SHOW FINAL EQUIPMENT LOCATIONS, CIRCUIT REFERENCES AND CABLE ROUTES.

## AUTOMATED GATE & BARRIER POWER SUPPLY NOTES :

1. PROVIDE A DEDICATED POWER SUPPLY TO EACH AUTOMATED VEHICLE BARRIER, INCLUDING THE HGV ENTRANCE BARRIER, WHERE INDICATED ON THE DRAWINGS.
2. CONFIRM THE BARRIER OPERATOR'S ELECTRICAL LOAD, VOLTAGE, PHASE AND PROTECTIVE DEVICE REQUIREMENTS WITH THE MANUFACTURER BEFORE INSTALLATION.
3. PROVIDE SUITABLY RATED CIRCUIT PROTECTION, LOCAL ISOLATION AND POWER CABLING TO EACH BARRIER OPERATOR.
4. 
5. COORDINATE BARRIER POWER AND CONTROL CABLING WITH ACCESS CONTROL READERS, INTERCOM, CCTV, VEHICLE DETECTION LOOPS, SAFETY SENSORS AND THE SECURITY CONTROL SYSTEM, AS APPLICABLE TO THE APPROVED DESIGN.
6. PROVIDE UNDERGROUND DUCTS AND SUITABLE EXTERNAL CABLING ROUTES TO EACH BARRIER LOCATION. COORDINATE TRENCHING AND DUCT INSTALLATION WITH CIVIL WORKS, ROAD SURFACES AND EXISTING UNDERGROUND SERVICES.
7. ENSURE THAT BARRIER OPERATION, VEHICLE DETECTION AND SAFETY INTERLOCKS ARE FULLY COORDINATED AND TESTED. THE BARRIER SHALL NOT CREATE AN UNSAFE CONDITION FOR VEHICLES OR PEDESTRIANS.
8. IDENTIFY AND LABEL ALL POWER AND CONTROL CIRCUITS. TEST AND COMMISSION THE COMPLETE INSTALLATION AND UPDATE THE AS-INSTALLED DRAWINGS TO SHOW FINAL CONNECTIONS AND CIRCUIT REFERENCES.
9. PROVIDE A DEDICATED ELECTRICAL POWER SUPPLY TO THE AUTOMATED GATE OPERATOR AND ASSOCIATED CONTROL EQUIPMENT AT THE LOCATION INDICATED ON THE DRAWINGS.
10. CONFIRM THE GATE OPERATOR'S VOLTAGE, PHASE, CONNECTED LOAD, STARTING CURRENT AND PROTECTION REQUIREMENTS WITH THE GATE MANUFACTURER BEFORE FINALISING THE CIRCUIT DESIGN.
11. PROVIDE SUITABLY RATED CIRCUIT PROTECTION, LOCAL ISOLATION AND POWER CABLING TO THE GATE OPERATOR IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS AND APPLICABLE STANDARDS.
12. COORDINATE POWER AND CONTROL CONNECTIONS WITH THE GATE AUTOMATION SYSTEM, ACCESS CONTROL, INTERCOM, CCTV AND SECURITY CONTROL SYSTEMS. PROVIDE CONTROL/INTERFACE CABLING AS REQUIRED BY THE APPROVED SYSTEM DESIGN.
13. ALL EXTERNAL CABLING AND CONTAINMENT SHALL BE SUITABLE FOR THE INSTALLATION ENVIRONMENT AND PROTECTED AGAINST MECHANICAL DAMAGE. COORDINATE TRENCHING, DUCT ROUTES AND ROAD CROSSINGS WITH CIVIL WORKS AND EXISTING SERVICES.
14. COORDINATE THE LOCATION OF LOCAL ISOLATORS AND CONTROL EQUIPMENT TO ENSURE SAFE ACCESS FOR MAINTENANCE WITHOUT OBSTRUCTING GATE OPERATION.
15. GATE SAFETY DEVICES, INCLUDING PHOTOCELLS, PRESENCE DETECTORS AND OBSTRUCTION PROTECTION, SHALL BE PROVIDED AND CONNECTED IN ACCORDANCE WITH THE APPROVED GATE SYSTEM DESIGN. TEST ALL SAFETY FUNCTIONS BEFORE HANDOVER.

## GENERAL NOTES:

1. ALL WORKS SHALL BE COORDINATED WITH THE LATEST ARCHITECTURAL, CIVIL, STRUCTURAL, ELECTRICAL, IT AND SECURITY SPECIALIST DRAWINGS.
2. THE CONTRACTOR SHALL VERIFY EXISTING SITE CONDITIONS, EQUIPMENT LOCATIONS, CABLE ROUTES AND SERVICE REQUIREMENTS BEFORE COMMENCING WORKS.
3. FINAL EQUIPMENT QUANTITIES, MODELS, POWER REQUIREMENTS, NETWORK INTERFACES AND CONTROL SEQUENCES SHALL BE CONFIRMED WITH THE CLIENT AND RELEVANT SPECIALISTS BEFORE PROCUREMENT.
4. ALL ELECTRICAL INSTALLATIONS, PROTECTIVE DEVICES, EARTHING, CABLING AND ISOLATION SHALL COMPLY WITH APPLICABLE IRISH REGULATIONS, RELEVANT STANDARDS AND APPROVED MANUFACTURER'S REQUIREMENTS.
5. PROVIDE TESTING, COMMISSIONING, OPERATING INSTRUCTIONS, EQUIPMENT SCHEDULES AND AS-INSTALLED DRAWINGS FOR ALL NEW AND RELOCATED INSTALLATIONS.
6. DO NOT SCALE DRAWINGS. REPORT ANY DISCREPANCIES BETWEEN SITE CONDITIONS AND THE DRAWINGS TO THE DESIGNER BEFORE PROCEEDING.

## LEGEND:

- SUB-DISTRIBUTION BOARD (SDB-EV)
- MINI PILLAR
- MINI-PILLAR (SITE CCTV) — CCTV-MP-XX
- ELECTRICAL SERVICES MANHOLE — MH
- SINGLE PHASE (SP&N) ISOLATOR ("X" DENOTES FOR AMPS RATING) — 1P X
- THREE PHASE (TP&N) ISOLATOR ("X" DENOTES FOR AMPS RATING) — 3P X
- ELECTRICAL VEHICLE CHARGERS
- 100mmø uPVC LV DUCTING (#AND SIZES AS INDICATED ON DRAWINGS) — LV
- SCOPE OF WORK OUTLINED IN RED

ISSUED FOR TENDER

**REFERENCE DOCUMENTS**

| Document No. | Document Title | Rev. |
|---|---|---|
| 1100 | SITE PLAN-PROPOSED | 00 |

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|---|---|---|---|---|
| T | 30.10.26 | ISSUED FOR TENDER | ZA | JS |
| P | 23.10.26 | ISSUED FOR PLANNING | ZA | JS |

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Client: AIR NAVIGATION IRELAND

Architect: THE INTERIORS GROUP

Project Title: AIR NAVIGATION IRELAND
OSPREY HOUSE-FITOUT WORKS
PHASE-02

Drawing Title: SITE LV DUCTING LAYOUT
SITE PLAN

| Scale: | Date: | Project No.: | Revision: |
|---|---|---|---|
| 1:250 @A1 | 02.02.26 | 25-150 | T |
| Originator: ZA / Checked: PH / Approved: SK | | Drawing No.: 60-S2 | |

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