



DETAIL A - TYPICAL TRENCH DETAIL
SCALE: N.T.S.

DETAIL B - TYPICAL ROAD TRENCH DETAIL
SCALE N.T.S.

- MECHANICAL DRAWING NOTES:**
- FOR SYMBOLS & ABBREVIATIONS SEE DETAIL SHEETS.
 - EXISTING & NEW WATER MAIN INCLUDING FIRE HYDRANT LOCATIONS ARE SHOWN ON STRUCTURAL ENGINEERS DRAWINGS BY MAIN CONTRACTOR.
 - CONNECTION TO THE LOCAL AUTHORITY WATER &/OR GAS MAIN SHALL BE MADE BY OTHERS. THE MECHANICAL CONTRACTOR SHALL ALLOW FOR MAKING A CONNECTION TO SAME.
 - THRUST BLOCKS SHALL BE PROVIDED BY THE MAIN CONTRACTOR AT EVERY CHANGE OF DIRECTION OR LEVEL OF EXTERNAL M.W.S. PIPEWORK.
 - UNDERGROUND MAINS WATER PIPEWORK SHALL HAVE A MINIMUM COVER OF 1500mm & NOT GREATER THAN 1350mm.
 - UNDERGROUND GAS PIPEWORK SHALL HAVE A MINIMUM COVER OF 1000mm & NOT GREATER THAN 1350mm.
 - UNDERGROUND DIESEL PIPEWORK SHALL HAVE A MINIMUM COVER OF 750mm & NOT GREATER THAN 1350mm. PIPEWORK TO BE WRAPPED WITH ERDOW TAPE.
 - THE CONTRACTOR SHALL ENSURE THAT ADEQUATE PROVISIONS ARE MADE ON THE WATER MAIN TO FACILITATE CHLORINATION & SWABBING & SHOULD BE CHECKED WITH THE LOCAL AUTHORITY PRIOR TO THE INSTALLATION OF THE MAIN.
 - WHERE DEPTH OF COVER OF WATER MAIN IS NOT SUFFICIENT, PIPE IS TO BE ENCASED IN 150mm OF CONCRETE.
 - FOR SCHEDULES OF EQUIPMENT SEE SPECIFICATION.
 - THE COMPLETE INSTALLATION TO BE CO-ORDINATED WITH ALL OTHER SERVICES.
- ELECTRICAL DRAWING NOTES:**
- DUCTING SHALL COMPLY WITH BS EN 50268-1-2-3-4 LATEST EDITION & SHALL BE SINGLE WALL, COLOURED RED & MANUFACTURED FROM HIGH DENSITY POLYETHYLENE. THE NOMINAL EXTERNAL DIAMETER OF THE DUCT SHALL BE 107mm WITH A MINIMAL WALL THICKNESS OF 5mm. EACH LENGTH OF DUCT SHALL BE STAMPED WITH THE WORDS "PUBLIC LIGHTING" OR ALTERNATIVELY "STREET LIGHTING" IN 18mm BLACK LETTERING AT 0 DEGREES, AT ONE METRE INTERVALS. DUCT SHALL BE LAID WITH THIS LEGEND FACING UPWARDS. DUCT SHALL BE LAID IN A STRAIGHT LINE CLOSE TO THE LINE OF THE COLUMN LOCATIONS & SHALL CONTAIN A CONTINUOUS DRAW WIRE OF 80N STRENGTH.
 - A MINIMUM DEPTH OF 450mm COVER IS REQUIRED IN URBAN PATHWAYS & A MINIMUM OF 600mm COVER IS REQUIRED FOR GRASS MARGINS, PEDESTRIAN WAYS, LANWAYS & GATEWAY ENTRANCES & A MINIMUM DEPTH OF 750mm IS REQUIRED AT ROAD CROSSINGS OR IN CARRIAGEWAYS.
 - ALL EQUIPMENT TO BE SUITABLY IP RATED FOR THE ENVIRONMENT THEY ARE BEING INSTALLED.

- LEGEND OF SYMBOLS**
- MV MV POLE
 - ESB EIRCOM BOX
 - ESB ESB BOX
 - VM VIRGIN MEDIA BOX
 - 600x600mm CABLE DRAW PIT / MANHOLE
 - MV MEDIUM VOLTAGE OVERHEAD CABLE (SIZES AS SPECIFIED)
 - VIR VIRGIN MEDIA DUCTING (SIZES AS SPECIFIED)
 - ER ER DUCTING (SIZES AS SPECIFIED)
 - ESB ESB DUCT (SIZES AS SPECIFIED)
 - EX-ESB EXISTING ESB DUCT (SIZES AS SPECIFIED)
 - EX MWS EXISTING MAINS WATER (SIZES AS SPECIFIED)
 - MWS MAINS WATER DUCT (SIZES AS SPECIFIED)
 - EV ELECTRICAL VEHICLE CHARGING DUCT
 - FIRE HYDRANT (BY OTHERS)

FOR SETTING OUT REFER TO ARCHITECT'S DRAWINGS.

THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER ARCHITECTURAL AND ENGINEERING DRAWINGS AND ALL OTHER RELEVANT DRAWINGS AND SPECIFICATIONS.

DO NOT SCALE THIS DRAWING. USE FIGURED DIMENSIONS ONLY.

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Head Office:
9 Prussia Street,
Dublin 7,
D07 KT57

TEL +353 (0)1 8682000

e: contactus@ocsc.ie
w: www.ocsc.ie

Dublin | London | Belfast | Galway | Cork | Birmingham

Client: ZOLBURY LTD.
Project: ADAMSTOWN STATION

Title: MECHANICAL & ELECTRICAL
COMBINED SITE SERVICES LAYOUT
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