

- A. DO NOT SCALE FROM THIS DRAWING-
WORK ONLY FROM FIGURED DIMENSIONS.
- B. ALL ERRORS & OMISSIONS TO BE REPORTED TO THE
CONSULTING ENGINEER
- C. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ARCHITECTS
AND STRUCTURAL ENGINEER'S DRAWINGS.
- D. REFER TO DOCUMENT REGISTER FOR DESCRIPTION
OF STATUS CODES.

1. IN A BUSINESS PREMISES SCENARIO THE INCOMING VIRGIN MEDIA DISTRIBUTION CONTINUOUSLY RAN CABLING SHALL TERMINATE IN A DESIGNATED COMMUNICATIONS ROOM. CABLING MUST BE ROUTED VIA ACCESSORIES DUCTING/TRAY TO ALLOW FOR FUTURE REPAIRS/REPLACEMENT IF NECESSARY.

2. WHERE CABINETS ARE REQUIRED BY VIRGIN MEDIA THE MAIN CONTRACTOR SHALL PROVIDE ALL NECESSARY CLOSING CABINET BODIES, CHAMBERS, FRAMES, LIDS AND DUCTING TO VIRGIN MEDIA SPECIFICATION.

3. THE FOLLOWING LIST OF MATERIALS SHALL GENERALLY BE SUPPLIED BY VIRGIN MEDIA AS DETERMINED BY VIRGIN MEDIA DESIGN. FRAMES AND COVERS FOR CHAMBERS, DUCTING, EXTERNAL TERMINATION UNITS, TAP ENCLOSURES & CABINETS AS REQUIRED.

4. THE FOLLOWING IS AN NON EXHAUSTIVE LIST OF MATERIALS WHICH SHALL BE SUPPLIED BY THE MAIN CONTRACTOR. IN ADDITION OTHER ITEMS AGREED BY VIRGIN MEDIA AND THE MAIN CONTRACTOR SHOULD ALSO BE SUPPLIED. PREFABRICATED FOOTWAY & CARRIAGEWAY CHANNELS, ALL INTERNAL TRIPPLE SCREENED COAX CABLING, OUTLET BOXES, DEDICATED CABLE TRAYS & CONDUITS (IN MULTI DWELLING UNITS) and 6mm² PLASTIC PLUG ROLF.

5. CHAMBERS SHALL HAVE A CONCRETE FOUNDATION. ACTUAL DIMENSIONS MAY VARY WITHIN CHAMBERS DUE TO EXISTING CONDITIONS. CHAMBERS TO HAVE DRAINAGE SUMP WITH SUITABLE FLOOR GRADIENT. THE DISTANCE BETWEEN DUCTS TO BE 25mm HORIZONTALLY & VERTICALLY. FLOOR FOOTWAY REINSTATEMENT SLAB TO BE SEPARATE FROM CHAMBER CONCRETE. ALL HYDROGRADE SERVICE DUCTS SHALL ENTER THE END WALL OF THE CHAMBERS. ALL VARIATIONS TO CHAMBERS TO BE APPROVED BY VIRGIN MEDIA.

6. ANY SUBSEQUENT CHANGES TO THIS DRAWING LAYOUT ARE TO BE COMMUNICATED TO VIRGIN MEDIA TO FACILITATE TELECOMMS INFRASTRUCTURE DESIGN CHANGES.

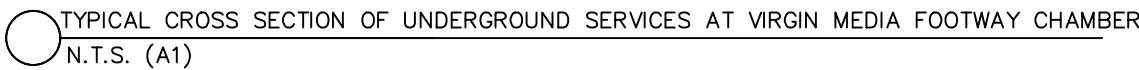
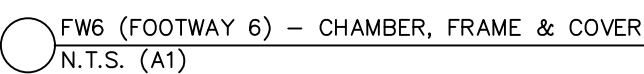
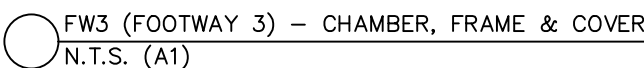
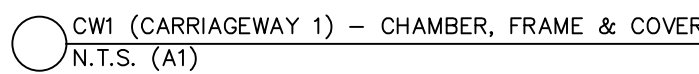
7. REFER TO INDIVIDUAL UNIT LAYOUT DRAWINGS FOR EXACT EXTERNAL TERMINATION UNIT LOCATIONS.

8. AT ALL TIMES THE CONTRACTOR IS TO BE AWARE OF THE PRESENCE OF EXISTING UNDERGROUND SERVICES IN THE VICINITY OF THE WORKS AREA.

9. AT ALL TIMES WHERE POSSIBLE, DUCTS TO BE LAID IN THE GROUND SHALL BE KEPT WELL CLEAR OF ALL OF OTHER UNDERTAKERS APPARATUS AND PLANT, INCLUDING ALL PIPELINES, CABLES AND CONDUITS AND COMPONENTS OF TELECOMMUNICATIONS, WATER SUPPLY & DISPOSAL, WHETHER SURFACE WATER OR FOU, STREET LIGHTING, ELECTRICAL & OTHER NETWORKS OPERATED BY A ROAD AUTHORITY OR OTHER UNDERTAKER.

10. THE FOLLOWING DUCT CLEARANCES SHALL BE ACHIEVED:

- TELECOMMUNICATIONS: MIN. CLEARANCE OF 50mm BOTH
LATERNALLY & VERTICALLY.
GAS: MIN. CLEARANCE OF 200mm BOTH LATERNALLY &
VERTICALLY.
WATER SUPPLY: MIN. CLEARANCE OF 200mm BOTH LATERNALLY
AND VERTICALLY.
SURFACE/FOUL WATER DISPOSAL: MIN. CLEARANCE OF 100mm
BOTH LATERNALLY & VERTICALLY.
STREET LIGHTING: MIN. CLEARANCE OF 50mm SHALL BE
PROVIDED TO THE DUCTING OR DIRECTLY BURIED CABLES, WHICH
SHOULD BE INCREASED TO 150mm LOCALLY AT THE BASE OF
LAMP STANDS.
HIGH VOLTAGE CABLES FOR ELECTRICITY SUPPLIES EXCEEDING
1000 VOLTS: MIN. LATERNAL CLEARANCE OF 300mm & A MINIMUM
VERTICAL CLEARANCE OF 50mm, WITH NO EXCEEDING
LOW VOLTAGE CABLES FOR ELECTRICITY SUPPLY SYSTEMS NOT
EXCEEDING 1000 VOLTS: MIN. CLEARANCE OF 50mm BETWEEN
THE CABLE, OR CABLES, & THE DUCT, BOTH LATERNALLY &
VERTICALLY.
OTHER NETWORKS OPERATED BY A ROAD AUTHORITY: MIN.
CLEARANCE OF 50mm BOTH LATERNALLY & VERTICALLY SHALL BE
PROVIDED BETWEEN CABLE OR ELECTRICAL BASED NETWORKS
& TRAFFIC CONTROL OR OTHER TRAFFIC CONTROL & TRAFFIC
COMMUNICATIONS SYSTEMS.



1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS & CONTRACT DOCUMENTS.
2. THE MECHANICAL & ELECTRICAL CONTRACTORS SHALL BE RESPONSIBLE FOR THE CO-ORDINATION OF ALL UNDERGROUND SERVICES IN CONJUNCTION WITH THE MAIN CONTRACTOR.
3. THIS INSTALLATION SHALL BE IN COMPLIANCE WITH "GUIDE TO VIRGIN MEDIA NETWORK NEW DEVELOPMENTS" DOCUMENT.
4. 110mm (OD) /96mm (ID) TWIN WALL DUCT SHALL BE SUPPLIED BY VIRGIN MEDIA AND INSTALLED BY THE MAIN CONTRACTOR IN ACCORDANCE WITH THE VIRGIN MEDIA LAYOUT PLAN AND OBSERVING RULES FOR SEPARATION FROM PUBLIC UTILITIES AND DEPTH OF COVER. THE MAIN CONTRACTOR SHALL SUPPLY AND INSTALL A 6mm DRAW IN ROPE IN ALL DUCTING.
5. THE MAIN CONTRACTOR SHALL SUPPLY AND INSTALL A 37mm OD/33mm ID POLYETHYLENE PIPE WITH A 6mm DRAW IN ROPE TO EACH UNIT. THIS PIPE SHALL RUN BETWEEN THE NOMINATED CHAMBER AND THE ETU AT THE BUILDING ENTRY POINT WITH NO JOINTS, TWISTS OR KINKS.
6. THE SERVICE SUB DUCT MUST BE ROUTED UNDER THE GARDEN RATHER THAN DRIVEWAY OR PATH TO AVOID FUTURE HIGH REINSTATEMENT COSTS IF REPAIRS ARE NECESSARY.
7. ALL VIRGIN MEDIA DUCTING SHALL BE LOCATED IN FOOTPATHS & SOFT LANDSCAPING. ALL VIRGIN MEDIA CHAMBERS ARE TO BE BUILT EXTERNAL TO BOUNDARY WALLS AND CLEAR FROM DRIVEWAYS.
8. ALL SERVICE SUB DUCTS ENTERING CHAMBERS ARE TO HAVE MINIMUM BENDS & PULL LENGTHS. SERVICE SUB DUCTS ARE NOT TO BE CUT. DUCTS TO BE LEFT COILED FOR CONTINUOUS RUN TO THE EXTERNAL TERMINATION UNIT.
9. DUCTS MUST HAVE A MINIMUM DEPTH OF COVER OF 750mm IN A CARRIAGEWAY AND 450/500mm IN A FOOTWAY UNLESS OTHERWISE SPECIFIED BY LOCAL AUTHORITY; DEPTH OF COVER IS MEASURED BETWEEN THE FINAL SURFACE LEVEL AND THE TOP OF THE BARREL OF THE DUCT.
10. THE BOTTOM OF TRENCHING SHALL BE LEVELLED AND RAMMED, IN ROCKY OR STONY SOILS, EARTH FREE FROM STONES, SHALL BE SPREAD OVER THE BOTTOM OF THE TRENCH AND RAMMED TO A DEPTH OF 50mm IN THICKNESS UPON WHICH THE DUCT SHALL BE LID. THE LINE OF DUCTS SHALL BE KEPT AS STRAIGHT AS POSSIBLE. TO ALLOW THE BODY OF THE DUCTS TO LIE EVENLY ON THE BOTTOM OF THE TRENCH AND TO FACILITATE JOINTING.
11. DUCTING MUST ALWAYS BE LAID SO AS TO FINISH WITH THE SPIGOT END FACING IN THE DIRECTION IN WHICH THE DUCT IS BEING LAID. THE NEXT DUCT IS JOINED BY PLACING A PIECE OF TIMBER NOT LESS THAN 100mm DEEP, ACROSS THE FREE SPIGOT END OF THE DUCT BEING LAID AND TAPPING THE JOINT HOME FULLY. ANY DUCT BROKEN OR CRACKED MUST BE REPLACED BEFORE PROCEEDING TO THE NEXT LENGTH OF DUCT.
12. WHEN LAYING THE 110mm DUCT, VIRGIN MEDIA HAZARD IDENTIFYING TAPE MUST BE DEPLOYED 300mm BELOW GROUND SURFACE. ONE STRAND OF TAPE IS USED WHEN LAYING A ONE OR TWO WAY DUCT. BEFORE HANDING DUCT OVER FOR CABLEING THE MAIN CONTRACTOR SHOULD ENSURE THE DUCTS HAVE BEEN RODDED, TESTED (WITH BRUSH AND MANDRILL) AND ROPED. ALL ROPES SECURED AT BOTH ENDS OF THE DUCT RUN.
13. THE MAIN CONTRACTOR SHOULD INSTALL THE VIRGIN MEDIA INFRASTRUCTURE WITH MINIMUM SEPARATION DISTANCES FROM GAS, WATER AND ELECTRICITY UTILITY SERVICES AS DETAILED.
14. ALL JOINT BOXES SHALL BE PREFABRICATED TO VIRGIN MEDIA SPECIFICATION, LAID TO GOOD BUILDING PRACTICE AND CLEANED OF RUBBISH AND DEBRIS BEFORE HANDOVER. NECESSARY AND PROPER INTAKE OF THE DUCTS TO THE CHAMBERS, FROM FOOTWAY OR CARRIAGEWAY POSITIONS SO THAT THE DUCT ENTERS THE BOX AT THE SPECIFIED LEVEL ABOVE THE FLOOR OF THE CHAMBER, FROM ANY GIVEN SIDE. ALL DUCT SHALL BE CUT BACK A MAXIMUM DISTANCE OF 25mm FROM THE WALLS. THE COVER FRAME SHALL BE SEALED TO THE CHAMBER IN AN ORDERLY MANNER.
15. IN A MULTI UNIT DEVELOPMENT SCENARIO THE MAIN CONTRACTOR SHALL PROVIDE AN RG6 TRIPLE-SCREENED "DROP CABLE" BETWEEN EACH APARTMENT AND A TAP ENCLOSURE IN A DESIGNATED COMMUNICATIONS EQUIPMENT CUPBOARD CLOSE TO THE FOOT OF THE RISER INCLUDING ANY CABLE TRAY REQUIRED TO LINK CABLES TO VIRGIN MEDIA EQUIPMENT.

— VM SUB DUCT — VM SUB DUCT — 37/33mmø 1 WAY VIRGIN MEDIA SUB DUCT
[36/32mm HYDRODARE]

■ EXISTING VM UNDERGROUND CABLES ■ EXISTING VIRGIN MEDIA UNDERGROUND CABLE ROUTE

P01	S5	Feb '23	Issue For Part VIII	D.D
P01	S2	JAN '23	DRAFT-SUBJECT TO VIRGIN MEDIA DESIGN	D.D.
Rev	Status	Date	Description	D.E

Revision S5	Project Drawing Reference 21832-VCE-XX-XX-DR-E-1002		
Status P01	Varming Project Number 21832		
Date JAN '23	Checked By J.G	Drawn By D.D.	Scale 1:500 @ A1

Client
Galway City Council

Project Title
**Ballyburke Neighbourhood Centre
and Social Housing Scheme**
Ballyburke, Galway City

Drawing Title

Electrical Services
Proposed Utility Services Infrastructure
Virgin Media Site Layout



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/ebsite www.varming.ie

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