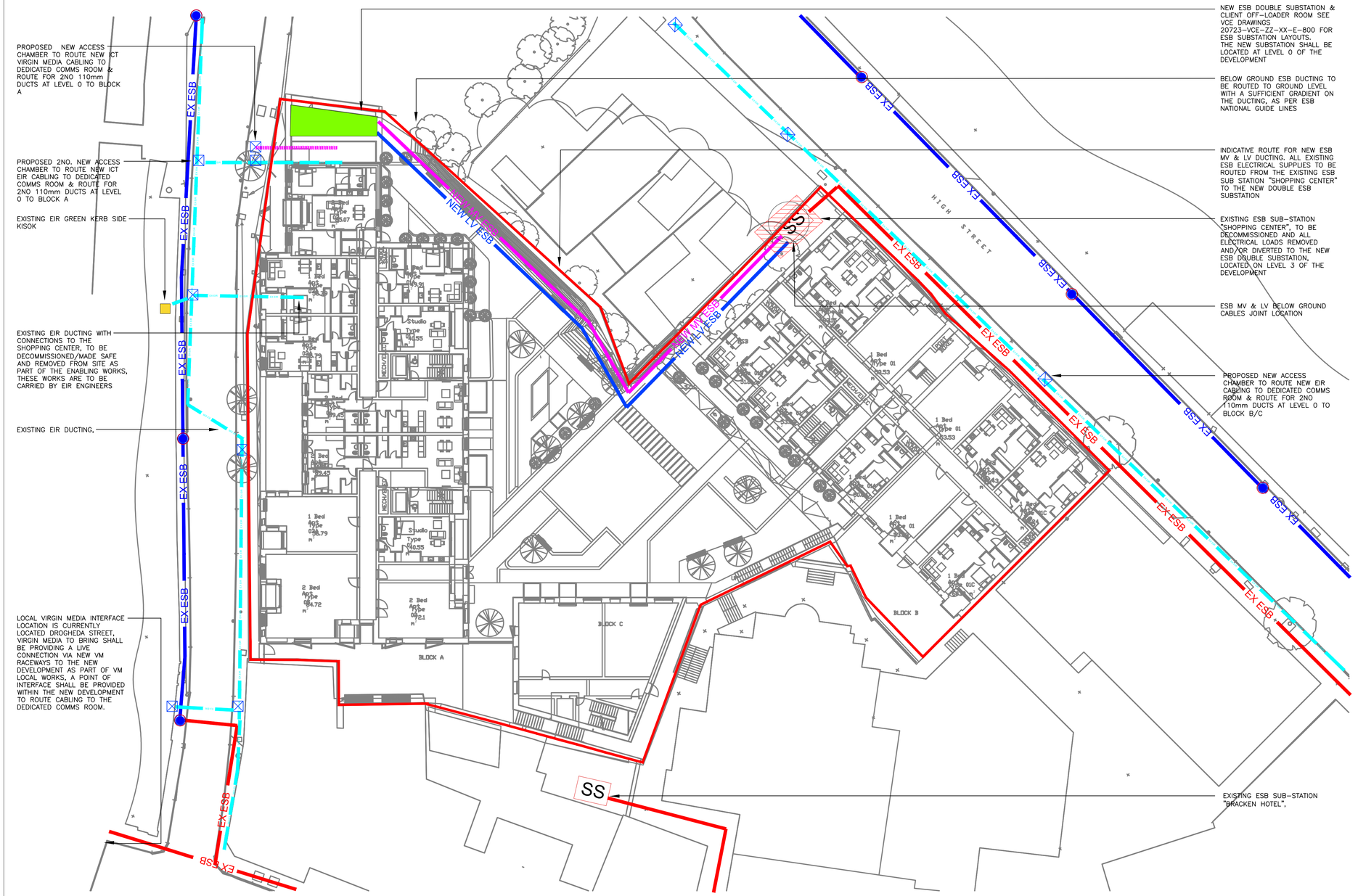

NOTES:

1. TRENCH SIZES:
   EIRCOM – 800MM DEEP X 600MM WIDE
   ESB – 800MM DEEP X 600MM WIDE
   SITE LTG – 800MM DEEP X 600MM WIDE
   EIRCOM + ESB 800MM DEEP X 1100MM WIDE
   EIRCOM + ESB + SITE LTG – 800MM DEEP X 1300M WIDE
   LPG – 900 DEEP x 600MM WIDE
   WATER – 1000 DEEP x 600MM WIDE
2. THERE SHOULD BE A SEPARATION OF AT LEAST 2 METERS BETWEEN ESB NETWORKS MINIPILLAR AND THE PUBLIC LIGHTING SYSTEM MICROPILLAR, PUBLIC LIGHTING COLUMN OR ANY OTHER PRIVATE MICRO PILLAR
3. A 3 METER WIDE UNRESTRICTED PAVED ACCESS IS REQUIRED TO THE ESB SUBSTATION. THE PAVING MUST BE OF CONCRETE, BRICK PAVING OR OTHER DURABLE MATERIAL CAPABLE OF WITHSTANDING OCCASIONAL HEAVY TRAFFIC.
4. THE CONTRACTOR SHALL SUPPLY AND INSTALL AN ESB NETWORKS APPROVED OUTDOOR METER CABINET, WHICH MUST BE CONTINUOUSLY ACCESSIBLE TO ESB NETWORKS AND UNOBSTRUCTED BY SIDE GATES. THE CABINET MUST BE INSTALLED WITHIN 2 METERS OF THE FRONT LINE OF THE HOUSE AND MUST BE INSTALLED AT A HEIGHT OF BETWEEN 1 METER AND 1.2 METERS ABOVE FINISHED GROUND LEVEL
5. THE CONTRACTOR SHALL SUPPLY AND INSTALL AN ESB NETWORKS APPROVED 'HOCKEY STICK' AT THE METER CABINET POSITION
6. THE CONTRACTOR SHALL SUPPLY AND INSTALL CONTINUOUS ESB NETWORKS APPROVED MDPE 50mm OD RED SERVICE DUCT AT A DEPTH OF 600mm, FROM THE HOCKEY STICK POSITION TO THE REQUIRED MINIPILLAR VAULT
7. THE CONTRACTOR SHALL INSTALL ESB NETWORKS APPROVED YELLOW WARNING TAPE 300mm BELOW FINISHED GROUND LEVEL ALONG THE FULL LENGTH OF AND OVER EACH DUCT
8. THE CONTRACTOR SHALL SUPPLY AND INSTALL STRONG CONTINUOUS 10mm POLYPROPYLENE DRAW ROPE FREE OF KNOTS AND SECURE AT BOTH ENDS IN EACH DUCT
9. THE CONTRACTOR SHALL INSTALL AN ESB NETWORKS APPROVED 125mm, 22.5 DEGREE BEND ON EACH MAINS CABLE DUCT ON ENTRY OF DUCT TO A MINIPILLAR VAULT
10. INSTALL EACH BEND FOR MAINS CABLE DUCTS AT AN UPWARD ANGLE TO ASSIST WITH CABLE PULLING. EACH BEND SHOULD BE CUT FLUSH WITH INTERNAL WALL OF VAULT
11. INSTALL MAINS CABLE DUCTS THROUGH THE SIDE FACES OF THE MINIPILLAR VAULT ONLY
12. INSTALL SERVICE CABLE DUCTS AT THE SAME LEVEL (600mm) OR BELOW THE LEVEL OF MAINS CABLE DUCTS
13. INSTALL SERVICE CABLE DUCTS THROUGH THE SIDE FACES OF THE MINIPILLAR VAULT IN THE CLOSEST KNOCK OUT / OPENINGS TO THE MINIPILLAR
14. MINIPILLAR BODY TO BE INSTALLED LEVEL, GROUND LEVEL MARK FLUSH WITH GROUND LEVEL AND FRONT FACE OF MINIPILLAR FLUSH WITH INSIDE LINE OF FOOTPATH
15. BLOCK BUILT MINIPILLAR VAULTS ARE NOT ACCEPTABLE. PLASTIC VAULTS TO BE BACKFILLED WITH 15N CONCRETE.
16. MINIPILLAR VAULTS ARE TO BE BEDDED SECURELY.
17. MINIPILLAR VAULTS ARE TO BE CLEAN AND FREE FROM ANY OBSTRUCTIONS. THERE SHALL BE NO GAP BETWEEN THE VAULT AND MINIPILLAR
18. PREFABRICATED MINI PILLAR VAULTS ARE TO BE INSTALLED ACCORDING TO DETAILED MANUFACTURER'S INSTRUCTIONS SUPPLIED WITH EACH UNIT
19. MINIPILLARS TO BE INSTALLED WITH EARTHING AS PER ESB NETWORKS SPECIFICATION

LEGEND:

- SITE RED LINE
- EX ESB — EXISTING ESB UNDERGROUND DUCTING
- NEW MV ESB — NEW ESB MV UNDERGROUND DUCTING
- NEW LV ESB — NEW ESB LV UNDERGROUND DUCTING
- EX ESB — EXISTING ESB OVERHEAD CABLING
- EX EIR — EXISTING OVERHEAD EIR CABLES
- LANDLORD — NEW 110mm VIRGIN DUCTING
- SS — EXISTING ESB MV UNIT SUBSTATION
- SS — EXISTING ESB MV UNIT SUBSTATION TO BE DECOMMISSIONED & REMOVED FROM SITE.
- EXISTING ESB POLE
- PROPOSED NEW ESB DOUBLE UNIT SUBSTATION & CLIENT LV OFFLOADER ROOM
- EXISTING EIR NODE ABOVE GROUND

General Notes
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.

Rev	Status	Date	Description	
P02	S4	15/07/21	ISSUE FOR INFORMATION	C.Mc.C
P01	S4	25/06/21	ISSUE FOR INFORMATION	C.Mc.C

Client: RHONELLEN DEVELOPMENT
Project Title: TEMPLAR PLACE SHD
Drawing Title: MECHANICAL/ELECTRICAL SITE SERVICES DRAWING

Dublin 01 4872300
Cork 021 2375080
Roscommon 090 6602380
Website www.varming.ie
Engineering for the Future
Varming Consulting Engineers Ltd.

Revision	Project Drawing Reference
P02	20723-VCE-ZZ-XX-DR-ME-1002
Status: S4	Varming Project Number: 20723
Date: NOV 2020	Checked By: P.H. / Drawn By: A.W. / Scale: 1:250@A1

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