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- 1. ALL SERVICE ROUTES DETAILED ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT ROUTES AND POSITIONS OF ALL INSTALLED SERVICES AND EQUIPMENT.
- 2. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL MECHANICAL,
- 3. ALL DIMENSIONS SHOWN ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
- 4. DO NOT SCALE FROM THIS DRAWING.
- 5. ALL EXISTING SERVICES INFORMATION SHOWN ON THIS DRAWING IS INDICATIVE ONLY. REFER TO STATUTORY RECORD DRAWINGS FOR MORE SPECIFIC PLANT ROUTES & LOCATIONS.
- 6. REFERENCE SHALL BE MADE TO THE SPECIFIC RECORD DRAWINGS FROM EACH RELEVANT STATUTORY BODY PRIOR TO STARTING WORKS ON SITE.
- 7. THE MAIN CONTRACTOR SHALL VERIFY THE PRECISE LOCATION OF ALL SERVICES BY HAND DUG INTRUSIVE SURVEYS AND TRIAL HOLES, USING
- RECOGNISED SAFE DIGGING TECHNIQUES. 8. REFERENCE SHALL BE MADE TO THE HSE GUIDANCE NOTE HSG 47 'AVOIDING
- DANGER FROM UNDERGROUND SERVICES AND TO 'UTILITIES GUIDELINES ON POSITIONING AND COLOUR CODING OF APPARATUS'.
- 9. ALL ON-SITE TRENCHES SHALL BE EXCAVATED AND BACKFILLED BY THE MAIN CONTRACTOR TO THE STRUCTURAL ENGINEERS SPECIFICATION. TRENCHES SHALL BE EXCAVATED TO ALLOW FOR A SAND BED LAYER OF 50mm THICKNESS UNLESS OTHERWISE INDICATED.
- 10. DRAWING TO BE REPRODUCED IN COLOUR ONLY. EXISTING SERVICES IN GREY & NEW PROPOSED SERVICES IN COLOUR.
- 11. BT CABLES TO RUN WITHIN BT DUCTS AND DEDICATED DRAW CHAMBERS. THEY SHALL NOT RUN THROUGH COMMON DRAW CHAMBERS. CHAMBERS TO BE CONSTRUCTED TO BT OPENREACH STANDARDS. WHERE THESE FALL
- WITHIN ROADS THEY SHALL BE CARRIAGEWAY GRADE CHAMBERS.
- 12. DRAWING TO BE READ IN CONJUNCTION WITH EACH INDIVIDUAL SERVICE
- PROVIDERS QUOTATIONS AND WORKMANSHIP GUIDES.
- 13. THE MAIN CONTRACTOR SHALL WALK THE PROPOSED ROUTES OF EACH SERVICE WITH THE RELEVANT SITE ENGINEERS FROM EACH UTILITY
- PROVIDER TO ENSURE ACCEPTANCE. 14. ALL TRAFFIC MANAGEMENT AND ROAD CLOSURE TO BE DETERMINED AND
- 15. NOT ALL SERVICE CHAMBERS ARE ILLUSTRATED.
- 16. THE CONTRACTOR SHALL APPOINT A MULTI UTILITY SERVICES COMPANY TO
- UNDERTAKE THE DISCONNECTIONS, DIVERSIONS AND NEW SERVICE CONNECTIONS.

PROPOSED EXTERNAL SERVICES

BT / COMMS SERVICE ———— EL———— UNDERGROUND ELECTRIC CABLE EL EVC DUCT FOR HOUSES ——— DUCT ——— POTENTIAL FUTURE EVC DUCTS

SP ENERGY NETWORKS MAIN COLD WATER SERVICE BOOSTED COLD WATER SERVICE CATEGORY 5 WATER SERVICE

LOW VOLTAGE HIGH VOLTAGE FIRE HYDRANT

INDICATIVE POINTS OF CONNECTION OF EXTERNAL SERVICES TO BE <u>✓1!</u> CONFIRMED BY UTILITY PROVIDER / AUTHORITY.

FURTHER COORDINATION REQUIRED BETWEEN M&E SERVICES & BELOW GROUND DRAINAGE WITHIN THIS AREA.



PROJECT
MAES EMLYN

MECHANICAL & ELECTRICAL SERVICES PROPOSED EXTERNAL SERVICES

**ENGINEERING SERVICES DESIGN LIMITED** MECHANICAL & ELECTRICAL CONSULTING ENGINEERS

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