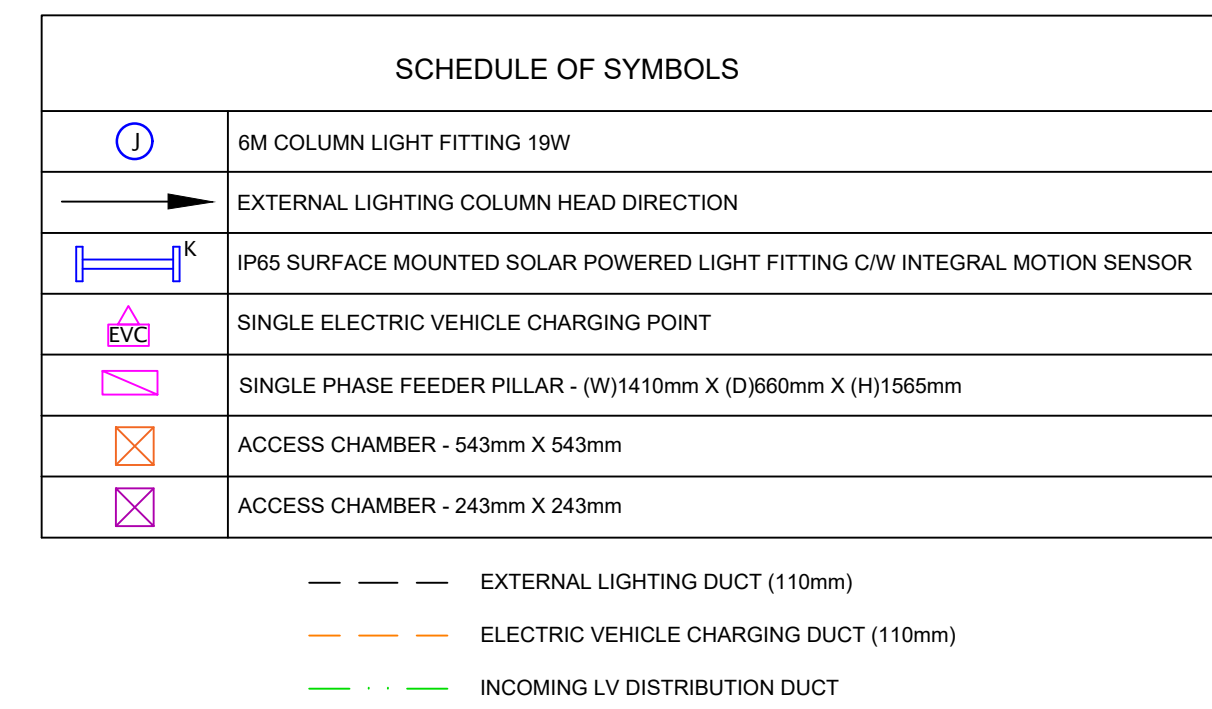
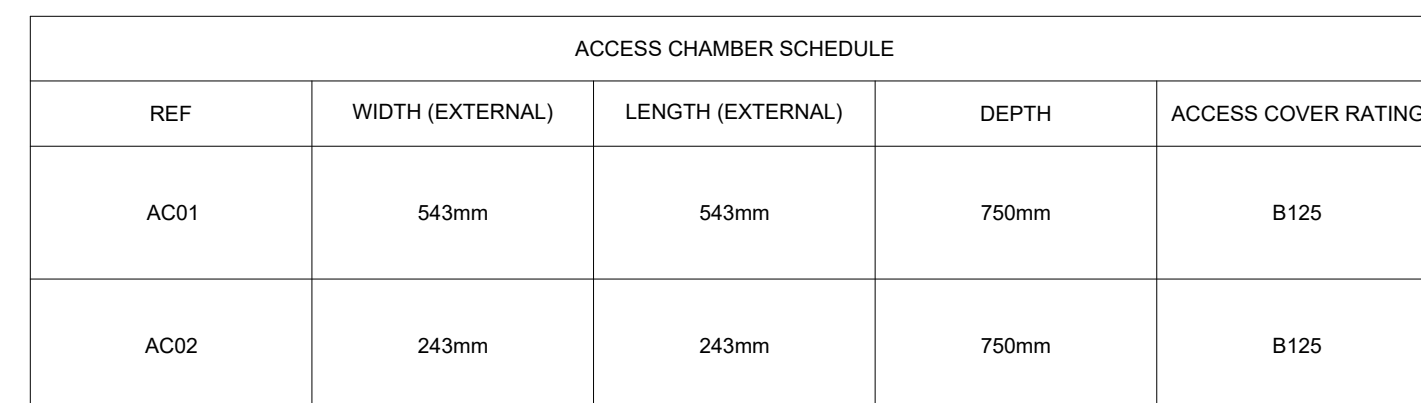
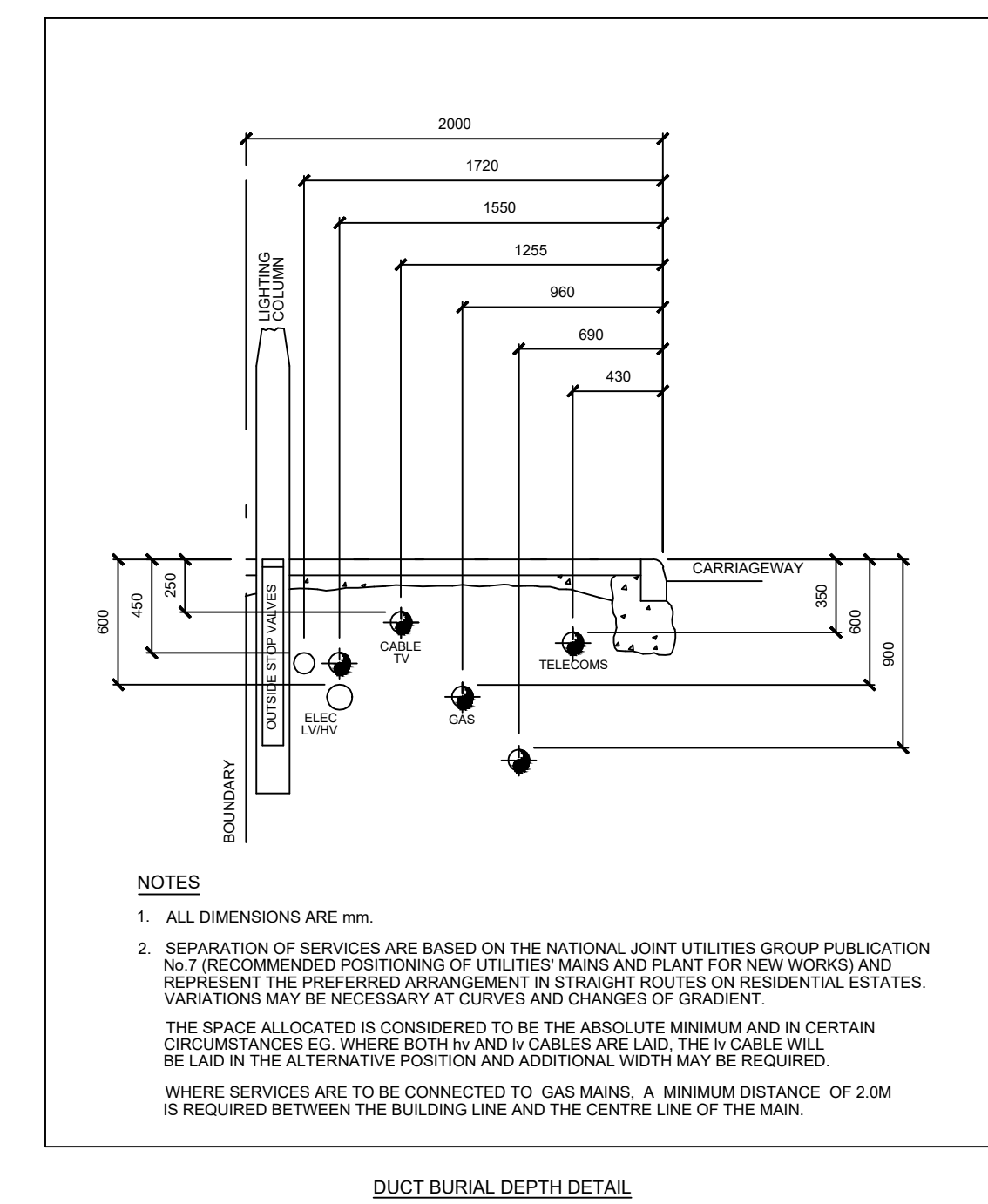




- ## GENERAL NOTES
1. DO NOT SCALE FROM THIS DRAWING
 2. ALL DIMENSIONS ARE MILLIMETRES U.N.O.
 3. ALL LEVELS ARE IN METRES ABOVE OR BELOW DATUM U.N.O.
 4. ALL DRAWINGS SHALL BE READ IN CONJUNCTION WITH:
 - THE KGA MAE PERFORMANCE SPECIFICATION, SCHEDULES, ARCHITECTURAL, AND STRUCTURAL INFORMATION.
 - CONSTRUCTION DESIGN AND MANAGEMENT (CDM) RISK ASSESSMENT.
 - THE FIRE ENGINEER'S SPECIFICATION / REPORT AND ASSOCIATED FIRE COMPARTMENTATION DRAWINGS.
 - THE ACOUSTIC CONSULTANT'S REPORT AND ASSOCIATED DRAWINGS.
 - THE EXTERNAL LANDSCAPING SPECIFICATION AND ASSOCIATED DRAWINGS.
 - THE SITE UTILITY INFORMATION FOR GAS, WATER, DRAINAGE, ELECTRICITY AND CABLE / TELECOMS.
 - ANY SITE SPECIFIC PLANNING CONDITIONS AS REQUIRED BY THE RELEVANT LOCAL AUTHORITY DEPARTMENT.
 - THE HEALTH AND SAFETY PLAN.
 - THE ARCHITECT'S NEE SPECIFICATIONS (INCLUDING SANITARY WARE), DRAWINGS & RAO DATA SHEETS.
 - APPOINTED SPECIALIST SPECIFICATIONS AND ASSOCIATED DRAWINGS.
 5. THE MAE CONTRACTOR SHALL ASSURE THAT ALL MAE SERVICES ARE FULLY CO-ORDINATED WITH EACH OTHER AND THE BUILDING FABRIC:
 - 7.1 THE CONTRACTOR SHALL WORK TO THE LATEST ARCHITECT'S DRAWINGS AT ALL TIMES WHERE AMBIGUITY MAY EXIST, THE CONTRACTOR SHALL IDENTIFY THESE. (FOR CLARIFICATION BY THE ENGINEER)
 - 7.2 THE CONTRACTOR WILL ALLOW FOR CHECKING AND SETTING OUT AGAINST FULLY DETAILED ARCHITECTURAL, STRUCTURAL AND SPECIALIST SPECIFICATION DRAWINGS.
 - 7.3 THE MAE ENGINEER SHALL BE NOTIFIED IN THE EVENT OF ANY DISCREPANCIES BETWEEN THE DESIGN DRAWING, THE MAE SPECIFICATION AND ANY OTHER ITEM OF DESIGN TEAM INFORMATION.
- ## EXTERNAL SERVICES LAYOUT NOTES
1. ANY DISCREPANCIES, ERRORS OR OMISSIONS ARE TO BE CLARIFIED WITH THE RELEVANT ENGINEER AT THE EARLIEST OPPORTUNITY.
 2. ALL WORKS ARE TO BE IN ACCORDANCE WITH THE CURRENT RELEVANT STATUTORY AND NON STATUTORY REGULATIONS, BUILDING REGULATIONS, BRITISH STANDARDS, ACCEPTED CODES OF PRACTICE AND TRADE ASSOCIATION REQUIREMENTS.
 3. THE MAIN CONTRACTOR SHALL VERIFY THE PRECISE LOCATIONS OF ALL SERVICES BY HAND DIG, INSTRUMENT, SURVEYS & TIAL HOLES, USING RECOGNISED SAFE DIGGING TECHNIQUES.
 4. REFERENCE SHALL BE MADE TO THE GUIDANCE NOTE HS047: AVOIDING DAMAGE FROM OVERHEAD UTILITIES, THE DESIGNER'S UTILITIES GUIDELINES ON POSITIONING & COLOUR CODING OF APPARATUS.
 5. VERIFICATION OF THE DETAILS GIVEN ON PLANS SHALL BE UNDERTAKEN BY USE OF PLANT LOCATION EQUIPMENT TO TRACE ALL UNDERGROUND PLANT FROM DIAL HOLES TO THE PRECISE LOCATION OF PLANT & USE SURFACE PLANT OR MARKERS ON THE SURFACE TO CLEARLY INDICATE THE POSITION OF UNDERGROUND PLANT. ALL CONTRACTORS SHALL HAVE FULL COLOUR COPIES OF STATUTORY RECORD PLANS ARE ISSUED TO THE WORKERS CARRYING OUT THE EXCAVATIONS. THE CONTRACTOR SHALL USE A CAT & Genny TO CONFIRM THE PRECISE LOCATIONS OF SERVICES.
 6. ALL ON-SITE TRENCHES SHALL BE EXCAVATED & BACKFILLED BY THE MAIN CONTRACTOR TO THE STRUCTURAL ENGINEERS SPECIFICATION. EXCAVATIONS SHALL BE EXCAVATED TO ALLOW FOR A SAND BED LAYER OF 50mm THICKNESS UNLESS OTHERWISE STATED.
 7. ALL EXCAVATIONS FOR BELOW GROUND SERVICES SHALL BE UNDERTAKEN IN ACCORDANCE WITH THE SPECIFIC REQUIREMENTS OF THE CLIENT WHERE MADE KNOWN. WHERE NO SPECIFIC GUIDANCE IS AVAILABLE, THE MAIN CONTRACTOR SHALL GENERALLY ENSURE EXCAVATIONS CONFORM WITH THE FOLLOWING GUIDELINES BELOW:
 - 7.1 SERVICE DEPTHS TO BE IN ACCORDANCE WITH THE GUIDANCE INDICATED BY NATIONAL JUTILS GROUP & LOCAL UTILITY REGULATIONS.
 - 7.2 EXCAVATE IN A CLEAN & ORGANISED MANNER, SCHEDULE ALL MATERIALS TO BE REMOVED TO A DESIGNATED AREA, AVOID EXCESS MINIMAL TRUCKING OF SOIL OVER THE SITE.
 - 7.3 EXCAVATE TO THE SITE OF THE SERVICE TO BE EXCAVATED. SEPARATE TOPSOIL & SET ASIDE FOR LATER USE.
 - 7.4 EXCAVATE TO THE SITE OF THE SERVICE TO BE EXCAVATED ABOVE THE TOP OF THE PIPE BARREL WITH INDICATED LIMITS.
 - 7.5 ALL IN-GROUND DUCTS TO BE PROVIDED WITH DRAIN COPIES.
 - 7.6 ALL LV DUCTS TO BE TWIN WALL HGV POLYETHYLENE WITH BLACK COLOURED DUCTS FOR POWER.
 - 7.7 ALL TELECOMMUNICATIONS DUCTS TO BE TWIN WALL HGV PVC WITH PURPLE COLOURED DUCTS FOR TELECOMMUNITS.
 8. FINAL CONNECTIONS TO LIGHTING COLUMNS FROM BELOW GROUND TO BE VIA A SINGLE DUCT, ALL DUCTS TO BE APPROPRIATELY SEALED TO MITIGATE ANY ROENT INFESTATION.
 9. WHERE PROPOSED BURIED SERVICES ARE INDICATED SCAN WITH AN APPROVED CAT & GENNY PRIOR TO INTRODUCING OR EXCAVATION WORKS COMMENCING AND PROGRESSIVELY SCAN AS THE EXCAVATION WORKS PROCEED WHERE NECESSARY HAND DIGGING MUST BE ADOPTED.
 10. INSPECTION CHAMBERS OR DRAWPOINT COVERS AND FRAMES TO BE SUITABLE FOR CAR PARKS AND MUST COMPLY WITH EN 24, PAINT AND FINISH.
 11. ALL NEW COLUMNS ARE TO BE TREATED WITH EN 124, PAINT AND FINISH.
 12. ALL LUMINAIRE COLUMNS, BRACKETS AND FIXINGS INCLUDING BUT NOT LIMITED TO NUTS, BOLTS AND WASHERS TO BE FULL MARINE GRADE AND SUITABLE FOR COASTAL ENVIRONMENTS.
 13. BEFORE THE INSTALLATION OF MAINS AND SUBMANS CABLES, THE CONTRACTOR IS TO CONFIRM ALL MEASURED LENGTHS WITH THE ELECTRICAL ENGINEER TO VERIFY FINAL CABLE LENGTHS.
 14. ALL EXTERNAL CONTAINMENT TO BE FULLY RATED FOR MARINE ENVIRONMENTS INCLUDING ALL FIXINGS SUCH AS NUTS, BOLTS, WASHERS, UNISTRUT & BRACKETRY.
 15. THE APPOINTED CONTRACTOR SHALL SUPPLY, INSTALL, TEST & COMMISSION A COMPLETE EXTERNAL LIGHTING SYSTEM IN COMPLIANCE WITH BS7671:2018-03:2014, BS1363:2014, BS6459:2000 AND CIBSE LIGHTING GUIDE 09:2016.
 16. THE UTILITY ROUTES INDICATED ARE INDICATIVE, THE APPOINTED CONTRACTOR SHALL USARE WITH THE DNO AND TELECOMS PROVIDER TO OBTAIN DETAILED CONSTRUCTION DRAWINGS.
 17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LEASING WITH THE NECESSARY STATUTORY AUTHORITIES FOR THEIR PROGRAM AND SEQUENCE OF WORKS.
 18. ELECTRIC VEHICLE CHARGERS TO BE INSTALLED ON A GROUND MOUNTING BASE AND BEHIND A PROTECTIVE BARRIER IN LINE WITH BS EN 61851 & 61916.

