

- 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. BURIED CABLES WARNING:
WARNING TAPES AND SLABS SHALL BE PROVIDED OVER ALL CABLES BURIED DIRECT OR IN PIPE DUCTS.
SLABS SHALL COVER THE WIDTH OF THE CABLES THEY ARE MARKING
AND BE LAID TO END TO END.
THE SLABS SHALL BE LAID 300MM FROM THE FINISHED SURFACE OR HALF THE BURIED DEPTH, WHICHEVER IS THE LESSER.
THE SLABS SHALL BE MARKED TO INDICATE THE SERVICES BURIED BELOW.
WARNING TAPES SHALL BE PROVIDED AT LEAST 100MM ABOVE THE SLABS AND SHALL BE CONTINUOUS, COLOURED YELLOW AND HAVE THE HIGHEST VOLTAGE OF THE CABLES PROTECTED INDICATED AT REQUIRED INTERVALS.
2. DUCTS SHALL BE OF 125 MM MINIMUM BORE. THEY SHALL BE OF THE MATERIAL, MANUFACTURE AND METHOD OF JOINTING AS SET DOWN IN THE ETCI RULES. SUCH AS
HIGH DENSITY POLYETHYLENE TO IS 135, CLASS B.
PVC PIPES HAVING HIGH IMPACT RESISTANCE EN 50086-2-4-N.
CONCRETE PIPES (JOINTS SHOULD BE SPIGGOTED).
3. DUCTS FOR ESB CABLES SHALL BE, COLOUR RED, WITH "DANGER ELECTRICITY CABLES" AT 150MM INTERVALS ON EACH LENGTH. DUCT WALL THICKNESS SHALL BE 3.84 MM UP TO 125MM (O.D.) DIAMETER AND EACH LENGTH SHALL BE 6.000MM.
4. TRENCHES FOR DUCTS SHALL BE SCOOPED OUT AT ALL POINTS WHERE THE DUCTS GO TO THE BODY OF THE DUCT LIES UPON SOILD GROUND. IN ROCKY SOILS A LAYER OF LOOSE EARTH SHALL BE SPREAD OVER THE BOTTOM OF THE TRENCH AND RAMMED TO AFFORD A BEDDING FOR THE DUCTS. IN WATER-LOGGED OR UNDESIRABLE SOILS A FORTIFICATION OF 150MM SHALL BE PROVIDED BY LAYING 75 MM OF CONCRETE (910 KGS), USING 20 MM AGGREGATE, FOLLOWED BY 75 MM OF SOIL ON TOP OF THE CONCRETE.
5. DUCTS SHALL BE KEPT CLEAR OF GAS AND WATER PIPES, DRAINS, SEWERS AND ELECTRICAL PLANT. IN ORDER TO ALLOW THE USE OF "TAPPING" MACHINES ON GAS AND WATER MAINS THAT MAY BE ADJACENT, AT LEAST 150 MM CLEARANCE SHALL BE GIVEN WHEREVER POSSIBLE. IN OTHER CASES, THE MINIMUM CLEARANCE SHALL BE GIVEN TO OTHER SERVICES, NO CLEARANCE SHALL BE LESS THAN 25 MM, WHERE SERVICES CROSS, THE MINIMUM CLEARANCE SHALL BE 50 MM.

C01	A4	Sept. 26	Tender		K.M.
Rev	Status	Date	Description		D.E.
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Varming
Consulting Engineers Ltd.

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