

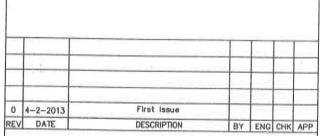
NOTES

- 1 ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED
- 2 THIS DRAWING IS ONLY INDICATIVE, CONTRACTOR SHALL PREPARE & SUBMIT DETAILED DRAWING SHOWING PIPING, REINFORCEMENT BARS, EXACT LOCATION OF DUCTO, DETAILS OF WATER PROOFING, AND REQUIRED STRUCTURAL CALCULATIONS FOR APPROVAL BY THE ENGINEER
- 3 SPECIFICATION OF G.R.P PIPE :-
- a) MINIMUM STIFFNESS 1500 N/m 2
- b) MINIMUM WALL THICKNESS,
- 4.0mm FOR #300
- 7.0---- FOR #
- 7.0mm FOR #600 8.9mm FOR #800
- 10.7mm FOR #1000
- 4 DUCTS SHALL BE PAINTED EXTERNALLY WITH TWO COATS OF BITUMINIOUS PAINT (TOTAL 300 MICRONS)
- 5 DUCT TO BE SEALED AT EACH END
- 6 LOWER DUCT IF EXISTING OR FUTURE SERVICES ARE OBSTRUCTING DUCY ENTRANCE.
- 8 REINFORCEMENT BARS SHALL BE HIGH YIELD STEEL BARS (DEFORMED TYPE-II) WITH A CHARACTERISTIC STRENGTH OF fy=460 N/mm² (BS 4449).
- 9 MINIMUM OVERLAP LENGTH OF REINFORCEMENT BARS SHALL BE 45xDIA, OF BAR.
- 10 CONCRETE GRADE SHALL BE C40 (BS 8110) WITH A MINIMUM CUBE STRENGTH OF 40 N/mm² AT 28 DAYS.
- 11 CONCRETE FOR BLINDING SHALL BE GRADE C20, WITH A MINIMUM CUBE STRENGTH OF 20 N/mm².
- 12 ALL CONCRETE EXTERNAL SURFACE SHALL BE PAINTED WITH TWO LAYERS OF BITUMINOUS PAINT (TOTAL OF 300 MICRONS)
- 13 GRP SPLIT DUCT SHALL BE FLANGED AT THE END JOINTS AS WELL AS AT THE LONGITUDINAL, JOINTS.
- 14 EACH MALF OF GRP SPLIT DUCT SHALL BE BOLTED TOGETHER, DISTANCE BETWEEN EACH BOLTS SHALL BE AS PER SUPPLIER'S RECOMMENDATION. AT SPLIT DUCT END, THE GAP BETWEEN PIPE & DUCT SHALL BE SEALED WITH APPROVED SEALING MATERIAL TO HAVE A WATER TIGHT (DRY) DUCT.
- 15 SPLIT DUCT SHALL BE CAST IN SECTIONS SUBJECT TO SITE CONDITION AND AS APPROVED BY ADWEA/ENGINEER.

LEGEND

GRADE 460 TYPE 2 REINFORCEMENT STEEL

REFERENCE DRAWINGS



Abu Dhabi Water & Electricity Authority United Arab Emirates



DRAWING TITLE

PIPE PROTECTION / CROSSING DUCTS (#300,#450,#600,#800,#1000 & 1000mm SPLIT DUCTS)

CAD-FILE	SCALE	SIZE	DOCUMENT NO.	REV
W-P-TD-100	N.T.S	A3	W-P-TD-100	0