



NOTES:-

(A) GENERAL

1. THIS IS AN PRESTRESSED CONCRTE SIMPLY SUPPORTED 'T' GIRDER SUPERSTRUCTURE
2. THE DESIGN & CONSTRUCTION IS ACCORDING TO THE FOLLOWING CODES:
 - I IRC: 5 - 2015
 - II IRC: 6 - 2017
 - III IRC: 112 - 2020
 - IV IRC: 78 - 2014
 - V IRC B3: 2018 PART II
3. ALL DIMENSIONS ARE IN mm. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED. NO DIMENSIONS SHALL BE SCALED.
4. WEARING COAT SHALL CONSIST OF BITUMINIOUS LAYERS OF TOTAL THICKNESS 65mm.
5. THE FOLLOWING LOADS HAVE BEEN CONSIDERED IN THE DESIGN.
 - 1) ONE LANE OF IRC CLASS 70R OR TWO LANES OF IRC CLASS A. ON CARRIAGE WAY, WHICHEVER GOVERNS.
6. CONCRETE SHALL BE DESIGN MIX AND HAVE MINIMUM 28 DAYS CHARACTERISTIC STRENGTH OF 45 MPa ON 150 mm CUBES FOR ALL ELEMENTS OF SUPERSTRUCTURE AND M35 FOR SUBSTRUCTURE AND SHALL BE PREPARED IN ACCORDANCE WITH M.O.S.T SPECIFICATION USING PAN MIXER .
7. NOMINAL COVER TO ALL REINFORCEMENTS SHALL BE 45 mm. EXCEPT FOR FOUNDATION FOR WHICH COVER SHALL BE 60mm
8. NOMINAL COVER IS THE COVER TO ALL BARS INCLUDING LINKS.
9. LAP LENGTH (Ld) SHALL BE 50 x DIAMETER OF BAR.
10. PSC CABLE 12.7 mm DIA. STRESS RELIEVED LOW RELAXATION 7-PLY CLASS 2 STRAND AS PER IS:14268-1995 SHALL BE USED FOR PRESTRESSING.

VERTICAL PROFILE	LEVEL	LEVEL	LEVEL	LEVEL	LEVEL	LEVEL
FORMATION LVL	+0.00	+1.5	+1.5	+1.5	+1.5	+0.00
DISTANCE IN METRES	-42.00	-32.00	-20.00	10.00	0.00	-20.00
						-22.00
						+4.00

LONGITUDINAL PROFILE
HORIZONTAL SCALE 1:1000
VERTICAL SCALE 1:500

PROOF CHECKED		APPROVED				PROJECT	
DRAWN PARVATHY						PROPOSED BRIDGE ACROSS CHITTARTHODU FOR ST MARY'S CHURCH KANJIRAPPILLY	
DESIGNED PENIL						CLIENT	
CHECKED SURESH S.		TITLE GENERAL ARRANGEMENT DRAWING		DATE 21-09-2020		THE VICAR , ST DOMINIC CATHEDRAL KANJIRAPPILLY	
ISSUED DATE 16-01-2021		JOB NO 20063	DRG NO S100/KG	REV 0			
ISSUED FOR :- APPROVAL		SHEET SIZE A0	SHEET NO 1 OF 1				