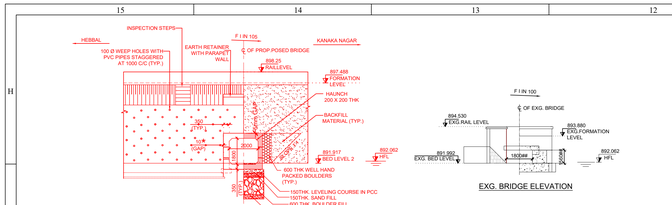
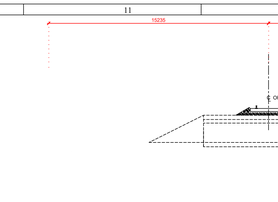
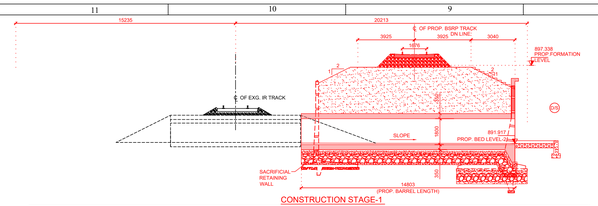
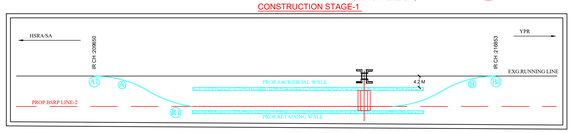
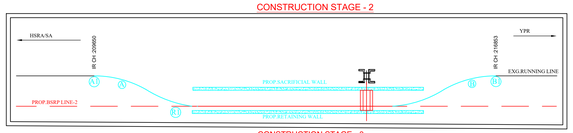


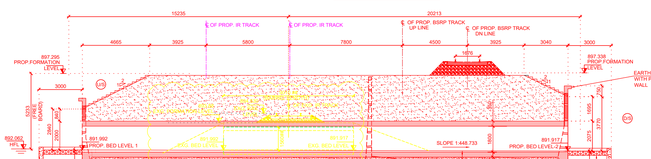


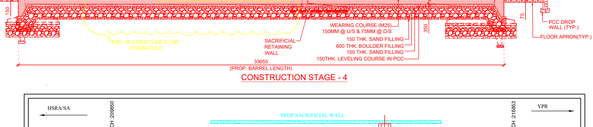
HFL	FREE BOARD (mm)	BED LEVEL-1	BED LEVEL-2
892.062	5233	891.992	891.917

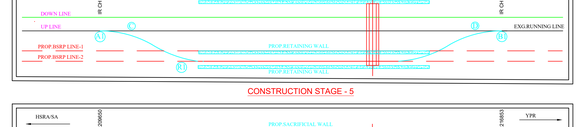


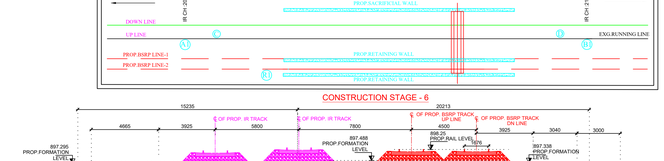












BRIDGE DETAILS

DESCRIPTION	EXG. IR BRIDGE : 558	PROP. BSRP BRIDGE : 558
CHAINAGE AT CENTER OF BRIDGE (km)	215/110	9+460.566
RAIL LEVEL AT CENTER OF BRIDGE (m)	894.53	898.25
FORMATION LEVEL AT CENTRE OF BRIDGE (m)	893.88	897.488
DIMENSIONS (Nos x SPANs(m) x HEIGHT(m))	1 x 1.80 x 1.56##	1 x 2 x 1.8m
STRUCTURE CONFIGURATION	SLAB BRIDGE	RCC BOX

GRADE OF CONCRETE

	GRADE	
i	RCC BOX	M30
ii	WEARING COURSE	M25
iii	LEVELLING COURSE (PCC)	M20
iv	RETAINING/RETURN WALL	M35

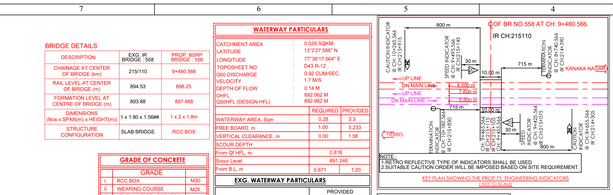
WATERWAY PARTICULARS

CATCHMENT AREA	0.026 SQKM
LATITUDE	13°27'27.586" N
LONGITUDE	77°36'17.564" E
TOPOSHEET NO	D43.R-12
Q50 DISCHARGE	0.92 CUM/SEC
VELOCITY	1.7 M/S
DEPTH OF FLOW	0.14 M
DHFL (DESIGN HFL)	892.062 M 892.062 M

	REQUIRED	PROVIDED
WATERWAY AREA, Sqm	0.28	3.3
FREE BOARD, m	1.00	5.233
VERTICAL CLEARANCE, m	0.00	1.56
SCOUR DEPTH		
From CP HFL, m		0.816
Scour Level		891.246
From B.L, m	0.671	1.20

EXG. WATERWAY PARTICULARS

	PROVIDED
WATERWAY AREA, Sqm	2.808
FREE BOARD, m	1.818
VERTICAL CLEARANCE, m	1.49


OF BR NO.558 AT CH: 9+460.566
IR CH215110
800 m
715 m
100.0 m
OF MAIN LINE
OF UP MAIN LINE
OF DN MAIN LINE
5.900 fps
4.900 fps
7.200 fps
715 m
100.0 m
SPEED INDICATOR 30 KMPH
SPEED INDICATOR 25 KMPH
SPEED INDICATOR 30 KMPH
DIRECTION OF FLOW
KANAKA NAGAR
HEBBAL
IR CH 214510
IR CH 215575
IR CH 215110
IR CH 215575
IR CH 215110
IR CH 214510
IR CH 214510
IR CH 215575
IR CH 215110
IR CH 214510
IR CH 215575
IR CH 215110
IR CH 214510
IR CH 215575
IR CH 215110