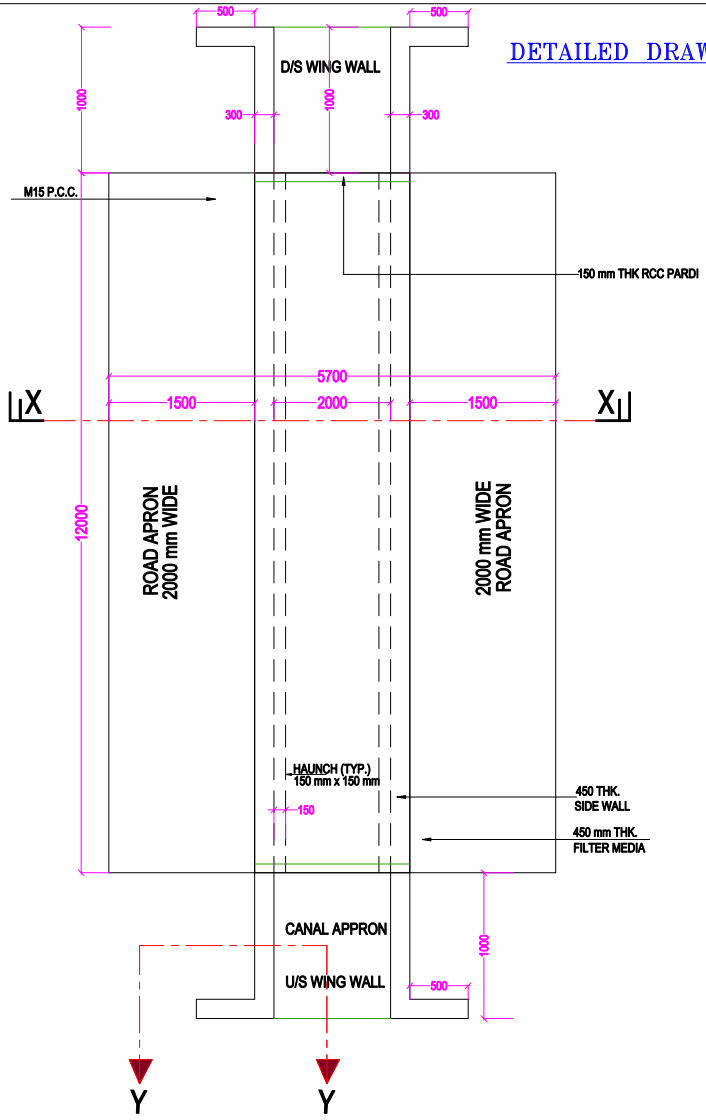
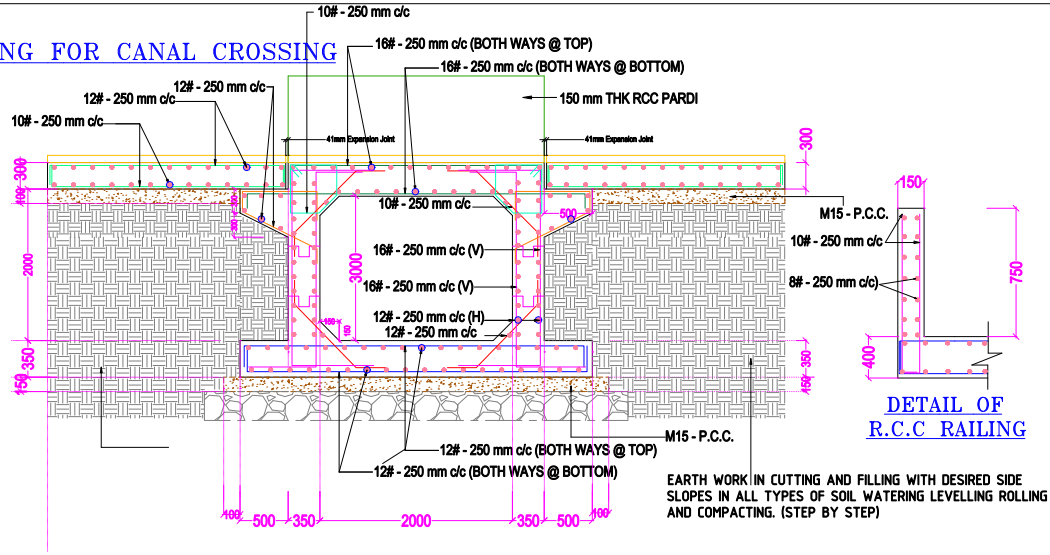
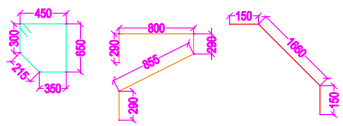
DETAILED DRAWING FOR CANAL CROSSING

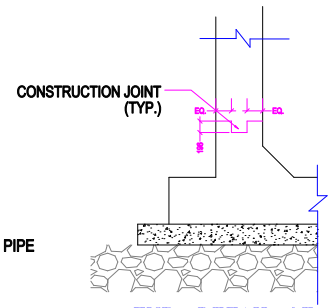




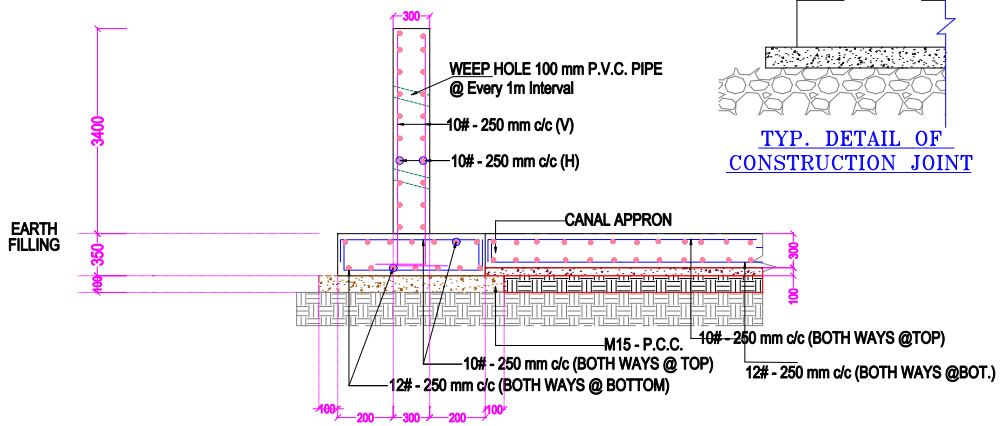
SECTIONAL ELEVATION : "X – X"

DETAIL OF R.C.C RAILING

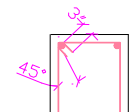




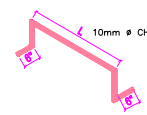
TYP. DETAIL OF CONSTRUCTION JOINT



SECTIONAL ELEVATION : "Y – Y"



HOOK DETAIL FOR BEAM/COLUMN



TYPICAL CHAIRS TO BE PROVIDED (UNDER TOP BARS TO KEEP THEM IN POSITION)

* GRADE OF CONCRETE SHALL BE M–250.
* GRADE OF STEEL Fe: 500
* WELDING OF BARS SHALL NOT BE PERMITTED.
* CLEAR COVER (50MM) AS MENTION IN DETAILS.
* SOFT AND LOOSE PATCHES IN THE BEARING AREA ARE TO BE REPLACED BY COMPACTED GRANULAR FILLS WITH LAYERS NOT EXCEEDING 300mm.
* PROPERTIES OF BACKFILL SOIL = YELLOW SOIL
* THE DRAINAGE SPOUT SHELL BE GALVANIZED AFTER WELDING THE PLATES & FLATES.
* FILTER MATERIAL BEHIND ABUTMENT AND RETURN WALL SHELL BE AS/CANAL IRRIGATION DEPT.

I.M.P. NOTES

* LAPPING OF COLUMN SHALL BE DONE AWAY FROM BEAM COLUMN JUNCTION PREFERABLY AT MIDDLE OF FLOORS AT ANY POINT NOT MORE THAN 50% OF COLUMN BARS SHALL BE LAPPED AND CENTRE TO CENTRE DISTANCE BETWEEN THE LAPS SHALL BE ATLEST 1.3 ld WHERE ld 48xD FOR M:200 GRADE CONCRETE AND D IS THE DIA METER OF THE LESSER DIAMETER OF THE BARS BEING LAPPED
* THE BOTTOM BARS IN BEAMS SHALL BE LAPPED CLOSSER TO THE COLUMNS AND LAPPING SHALL BE AVOIDED AT MIDDLE OF THE SPAN FOR TOP BARS LAPPING SHALL BE DONE PREFERABLY AT CENTRE OF THE SPAN
* THE SPACING OF THE TIES AT OTHER LOCATIONS IN THE COLUMN SHALL BE ADOPTED IN THE COLUMN SCHEDULE

NAME OF WORK

CONSTRUCING BOX TYPE CULVERT FOR CANAL CROSSING ON TEJLAV DISTRY EX. VALSAD BRANCH CANAL AT CH. 10790.0 M. (CANAL CROSSING)

THIS DRAWING IS AS PER GOVERNMENT OF INDIA MINISTRY OF SURFACE TRANSPORT

DEPUTY EXECUTIVE ENGINEER
CHIKHALI IRRIGATION SUB DIVISION
CHIKHALI

EXECUTIVE ENGINEER
AMBICA DIVISION
NAVSARI

PRINTS ISSUED

Date	Rev.	Arch	Client	Site	M.E.P.	Contr.	Office	Total	REMARK
05-03-26	–	MAIL	–	–	–	–	01	01	APPROVAL

NO.	DATE	REVISION	BY	DR	CH
–	–	–	–	–	–

CONC.MIX	:	CEMENT	:	SAND	:	AGGREGATE
M:150	:	1	:	2	:	4
M:200	:	1	:	1½	:	3
M:250	:	1	:	1	:	2

DATE: 05–03–2026

PROJECT NO. 02–335	**BOX TYPE CULVERT** TEJLAV DISTRY EX. VALSAD BRANCH CANAL AT. Ch.10790 Mt (Single Cell 2.0 M x 3.00 M@ VILL : BALVADA
TITLE	REINFORCEMENT DETAIL OF (Single Cell 2.00 M x 3.00 M)
SCALE: N.T.S.	DATE 05/03/2026 DRN.: CKD.:
STRUCTURE CONSULTANT	Er. Dhavnil J.Patel
DRG.NO	S–1.2
REV.NO	R/0