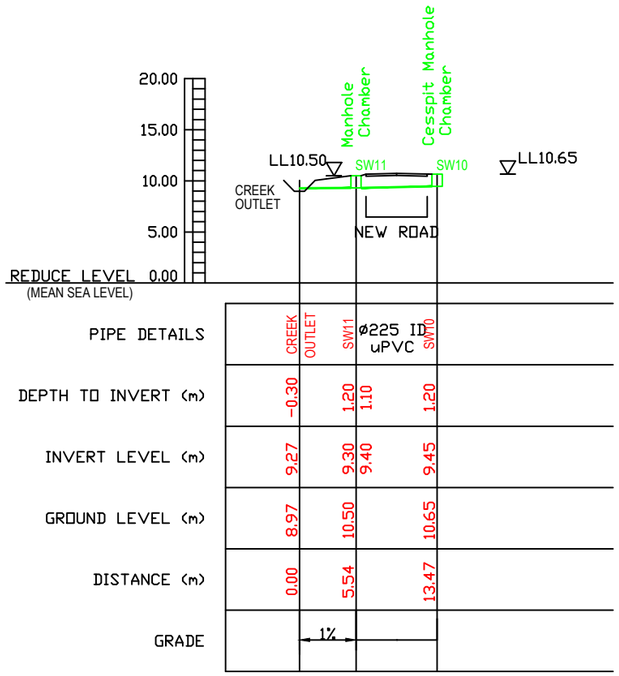
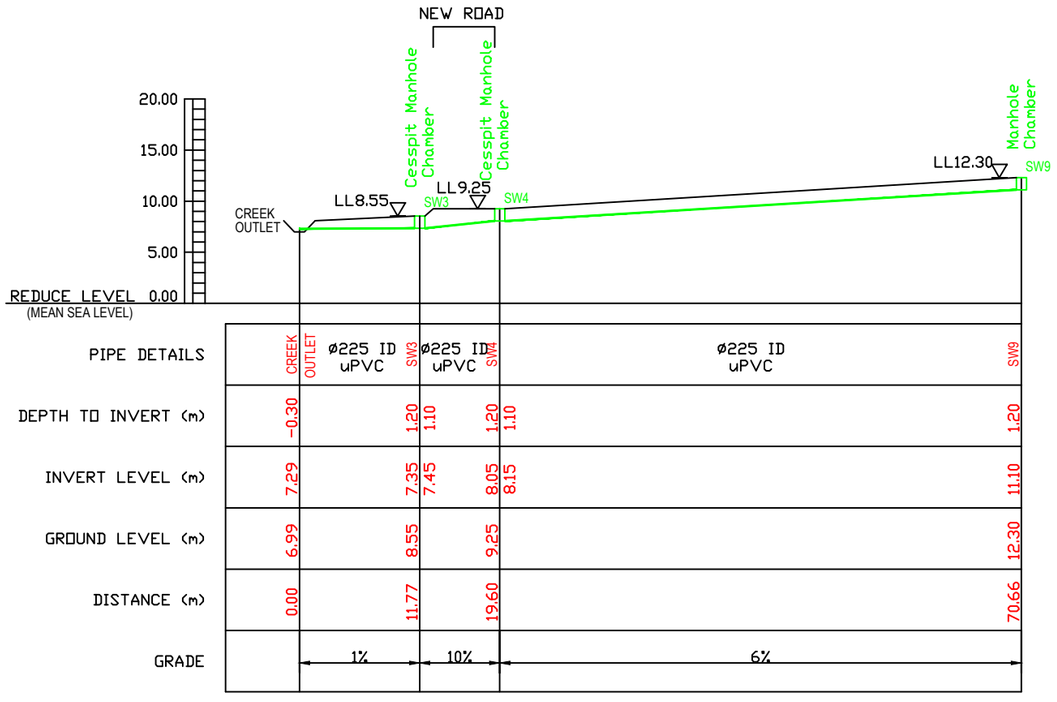
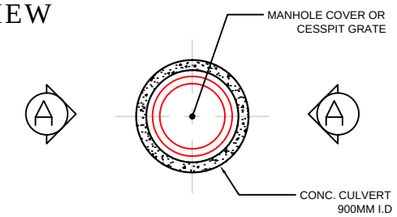




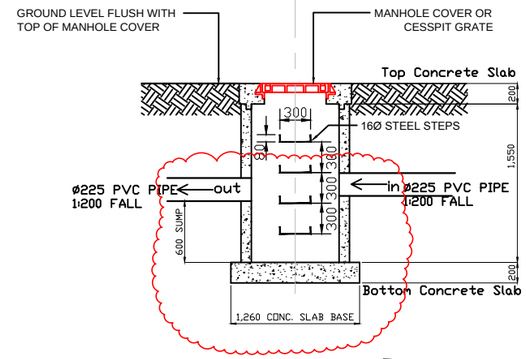
TYPICAL MANHOLE OR CESSPIT CHAMBER DETAILS

NOT TO SCALE: DIMENSIONS AS INDICATED (MM)

PLAN VIEW



A-A CROSS SECTION

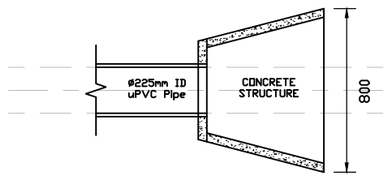


UPDATE (19.08.16)
INCREASE MANHOLE LENGTH 600MM FROM LOWEST PIPE TO CREATE A 600MM DEEP SUMP.

TYPICAL DRAIN OUTLET DETAILS

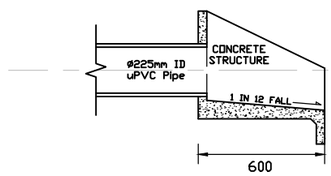
NOT TO SCALE: DIMENSIONS AS INDICATED (MM)

PLAN VIEW

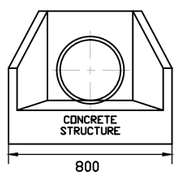


1. Reinforce floor & walls with:
   150- 275 665 Mesh
   450- 600 663 Mesh OR 10 dia. rods @ 250 crs
   615- 900 12 dia. rods @ 250 crs.
   1050- 1350 12 dia. rods @ 150 cr
2. All reinforcing shall be placed centrally in walls and floor, and shall be continuous between walls and floor.
3. Laps in structural grade bars to be a 300mm minimum.
4. There shall be at least two bars whether mesh or MS over the top of the pipe.
5. Concrete is to be ordinary grade (17.5 MPa) in accordance with NZS 3108:
6. Inlet Structures to have reverse apron fall.

NOTE: ALL DIMENSIONS IN MM



SECTION

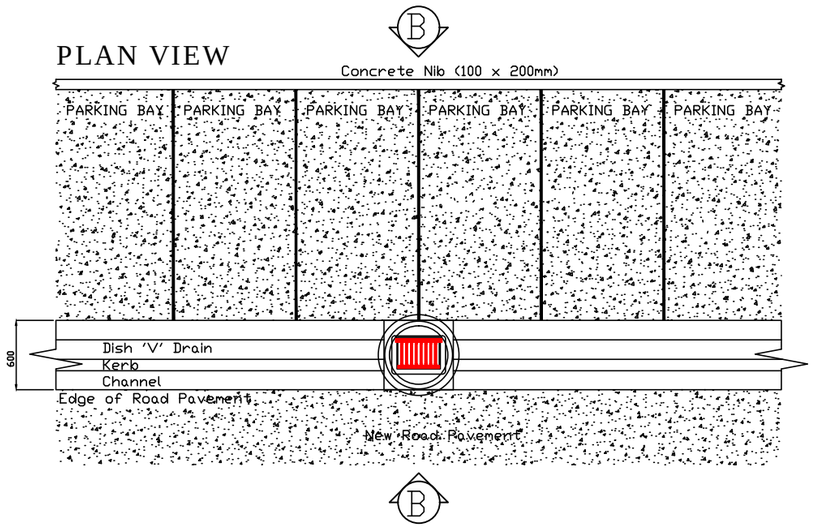


END ELEVATION

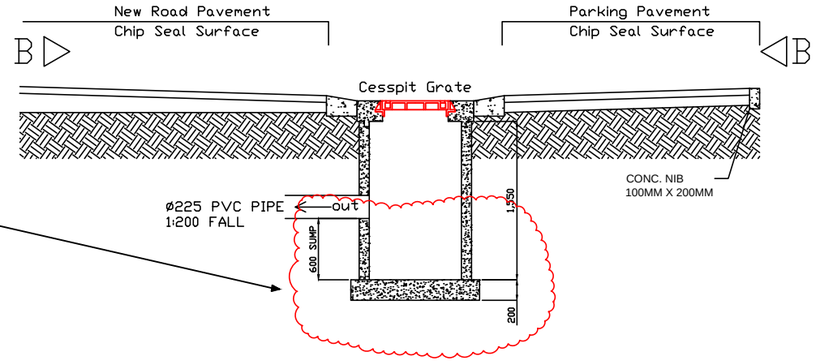
SIDE OF ROAD CATCHPIT DETAILS

NOT TO SCALE: DIMENSIONS AS INDICATED (MM)

PLAN VIEW

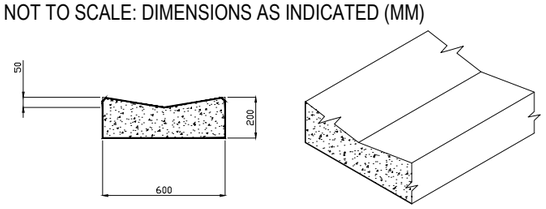


B-B CROSS SECTION



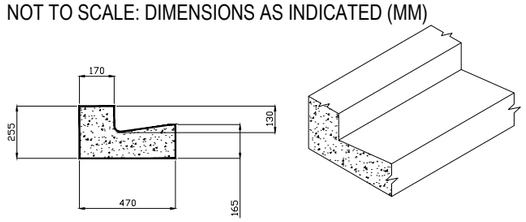
DISH 'V' DRAIN DETAILS

NOT TO SCALE: DIMENSIONS AS INDICATED (MM)



KERB AND CHANNEL DETAILS

NOT TO SCALE: DIMENSIONS AS INDICATED (MM)



PROJECT TITLE: Tereora College Redevelopment Project Stage 1	LOCATION: Pt 106B NIKAO, AVARUA DISTRICT, RAROTONGA ISLAND	DRAWING TITLE: SW DRAINAGE LONGSECTION AND DETAILS	CLIENT: CIIC	JOB REF: CW1631	DATE
				DRAWN BY: P.MAOATE	12.06.16
			REVISION: 03	CHECKED:	
			SCALE: 1:600 @ A3	APPROVED:	
				SHEET No. C1.11	Total No. of SHEETS: