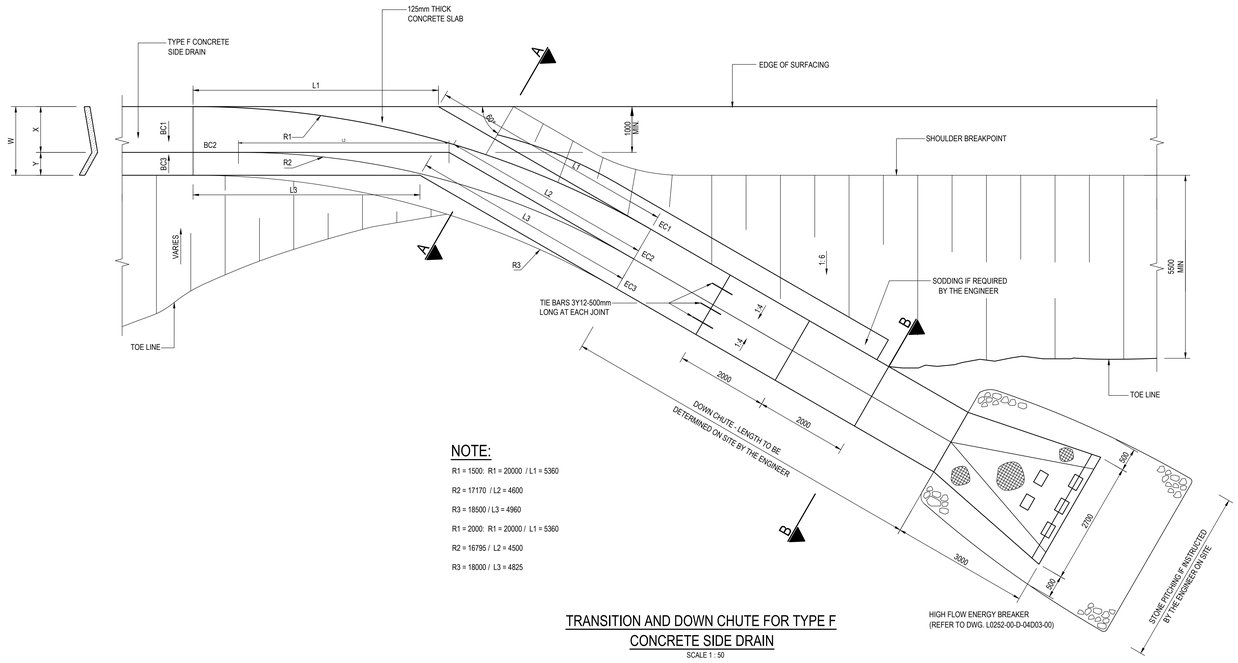


POSITION OF TYPE 'F' CONCRETE CHANNEL

NOT TO SCALE



NOTE:

R1 = 1500: R1 = 20000 / L1 = 5360

R2 = 17170 / L2 = 4600

R3 = 18500 / L3 = 4960

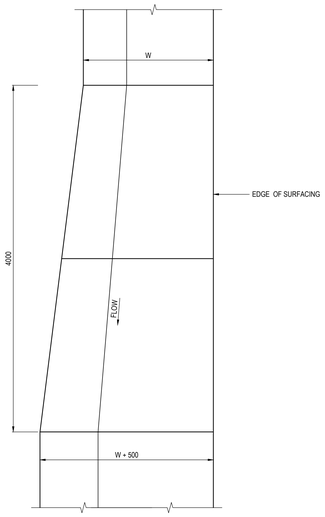
R1 = 2000: R1 = 20000 / L1 = 5360

R2 = 16795 / L2 = 4500

R3 = 18000 / L3 = 4825

TRANSITION AND DOWN CHUTE FOR TYPE F
CONCRETE SIDE DRAIN

SCALE 1 : 50

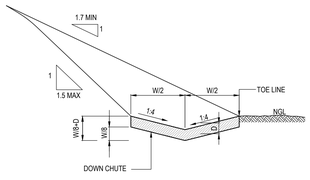


PLAN

NOT TO SCALE

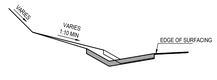
SECTION A - A

SCALE 1 : 25



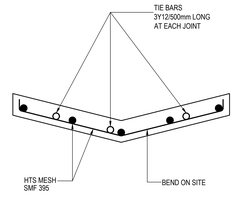
SECTION B - B

SCALE 1 : 10



SECTION
TRANSITION IN TYPE F CHANNELS

NOT TO SCALE



SECTION B - B
(MESH DETAIL)

SCALE 1 : 10

NOTES :

1. ALL CONCRETE CHANNELS AND OTHER DRAINAGE STRUCTURES ON THIS PLAN TO BE CAST USING CLASS 30/19 CONCRETE.
2. ALL CONCRETE CHANNELS MUST BE CAST IN ALTERNATIVE LENGTHS OF 2.0m MAXIMUM WITH EXPANSION JOINTS EVERY 5th PANEL (10m).
3. ALL EXPOSED CORNERS MUST BE ROUNDED OF TO A MINIMUM RADIUS OF 10mm OR BE CHAMFERED 25mm x 25mm.
4. THE TYPE OF SURFACE FINISH IS INDICATED AS F1, F2 & U2.
   F - FORMED SURFACES
   U - UNFORMED SURFACES
5. MINIMUM CONCRETE COVER TO MAIN REINFORCEMENT IS 50mm.
6. ALL EXPOSED CORNERS MUST BE ROUNDED OF TO A MINIMUM RADIUS OF 10mm OR BE CHAMFERED 25mm x 25mm.
7. REFER GENERAL NOTES REGARDING CONCRETE DRAINS ON SHEET 1 OF 7 (8.1.1)
8. DETAILS OF EXPANSION JOINTS IN CONCRETE DRAINS AND FINISHING OF SURFACING EDGE NEXT TO CONCRETE DRAINS SHOWN AS "DETAIL X" ON SHEET 1 OF 7 (8.1.1) APPLY TO ALL RELATED TYPICAL DRAWINGS.

ROAD SURFACE DRAINAGE
DOWN CHUTE DETAIL FOR TYPE 'A' SIDE DRAINS
AND TYPE 'B' KERBS SHEET 2 OF 7

No.	DATE	REVISION
V1	08/03/2024	ORIGINAL VERSION

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ACCEPTANCE

THIS ACCEPTANCE IS FOR PROCEDURAL AND ADMINISTRATIVE REVIEW PURPOSES ONLY AND DOES NOT ATTRACT LEGAL LIABILITY OR LIABILITY OF ANY KIND FROM WHATSOEVER CAUSE OR HOWEVER ARISING

for the SA NATIONAL ROADS AGENCY SOC LTD.

Date:

PROJECT DESCRIPTION

THE CAPACITY IMPROVEMENT OF NATIONAL ROUTE 1 SECTION 1 FROM OLD OAK INTERCHANGE (KM 18.90) TO KOELENHOF INTERCHANGE (KM 33.00)

ROAD SURFACE DRAINAGE
TYPE 'F' CONCRETE CHANNELS
OUTLET DETAILS SHEET 7 OF 7

SCALE @ A0: AS SHOWN | **SHEET 7 OF 7**

PROJECT NUMBER	N001-010-2021/1	
DRAWING LOCATION DATA	START	END
ROUTE	N01	N01
SECTION	01	01
DRAWING km DISTANCE	18.900	33.000
DRAWING TYPE	DRAINAGE - SURFACE DRAINAGE	
BRIDGE/STRUCTURE No.	N/A	
CONSULTANT DRAWING No.	312-00827-01-TD55	VER
SANRAL DOCUMENT #	XXXXXX	V1

312-00827-01-TD55