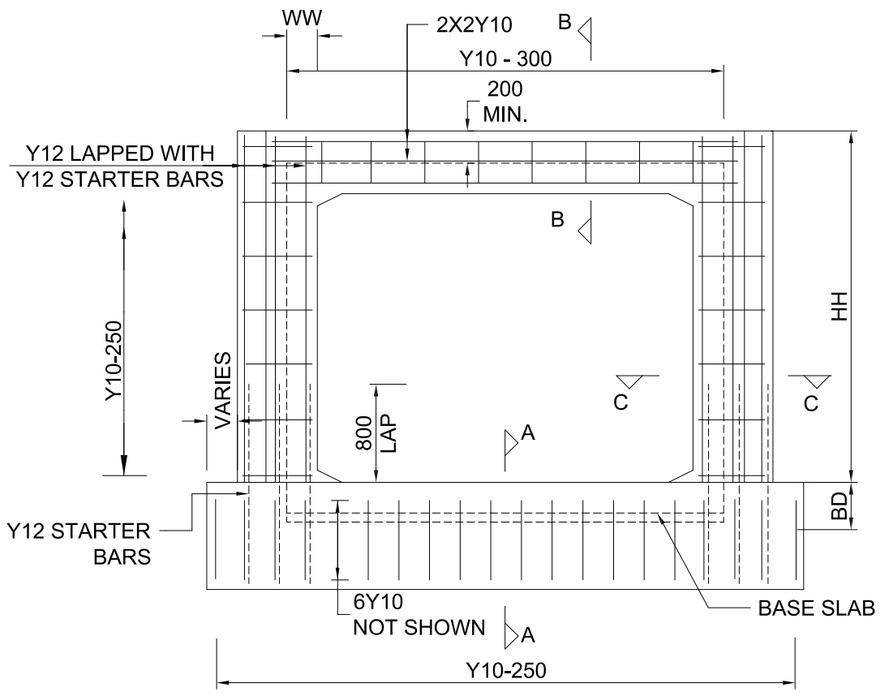
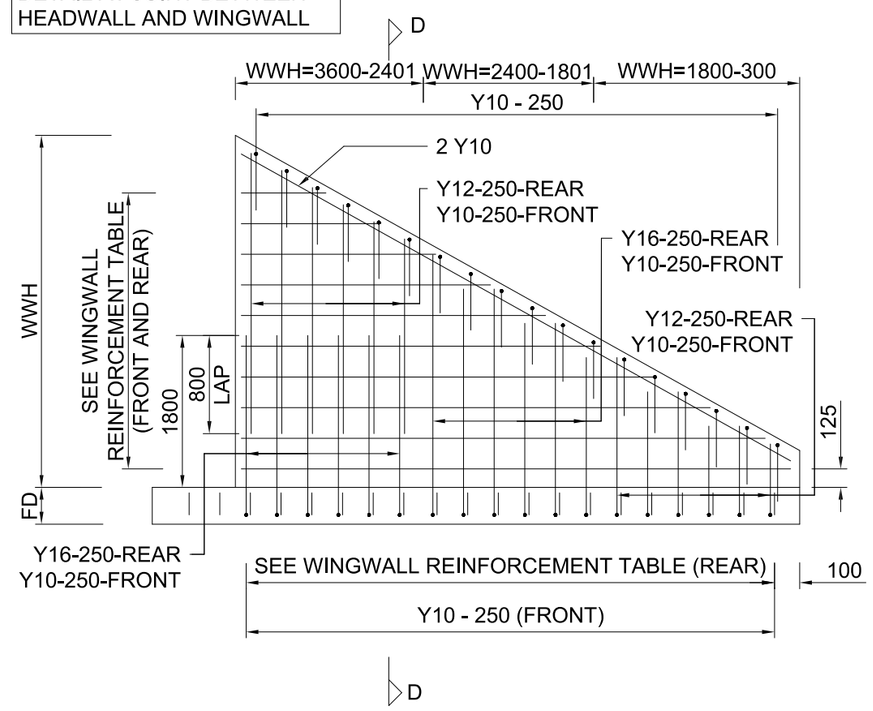
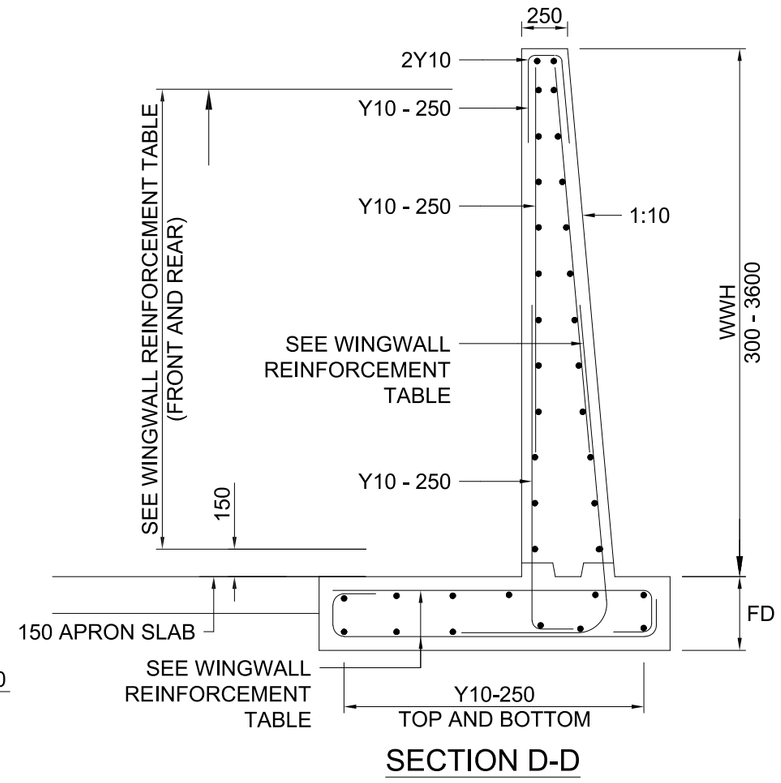
NOTE :
SEE SECTION C-C FOR STEEL DETAIL AT JOINT BETWEEN HEADWALL AND WINGWALL



HEADWALL AND CUT-OFF WALL DETAIL

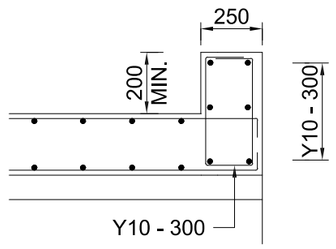


ELEVATION

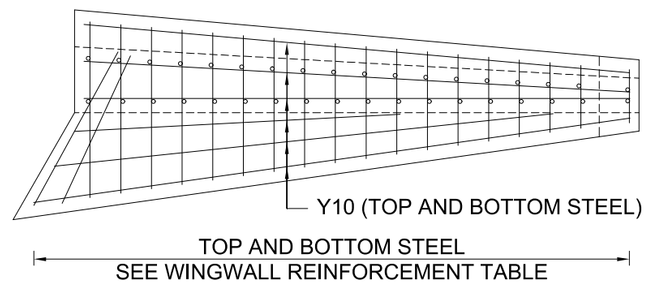


SECTION D-D

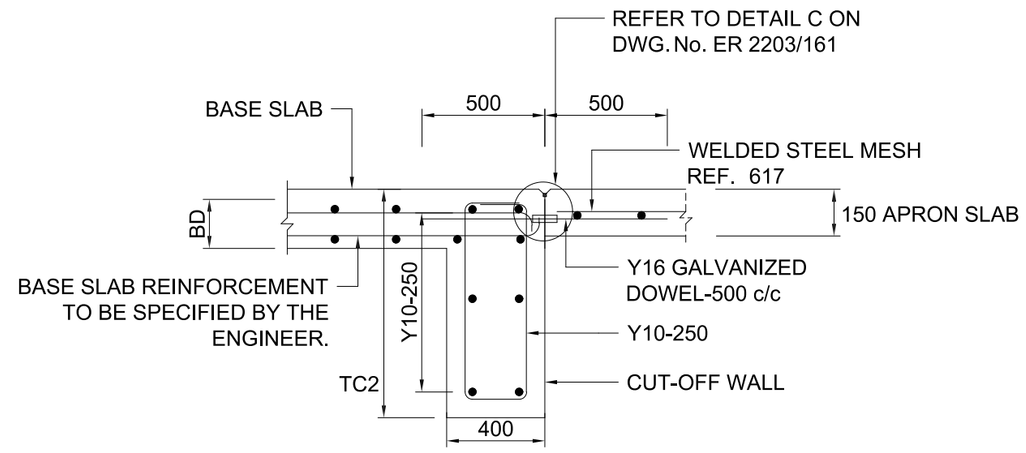
WINGWALL REINFORCEMENT				
WWH	TRANSVERSE STEEL	VERTICAL REAR WALL STEEL	FOOTING TOP STEEL	FOOTING BOTTOM STEEL
300 - 1800	Y12 - 200	Y12 - 250	Y12 - 250	Y16 - 250
1800 - 2400	Y12 - 200	Y16 - 250	Y12 - 250	Y16 - 250
2400 - 3600	Y12-200 TOP 2/3 of WWH Y12-100 BOTTOM 1/3 of WWH	Y16 - 250 STARTER BARS LAPPED WITH Y12 - 250	Y12 - 250	Y16 - 250



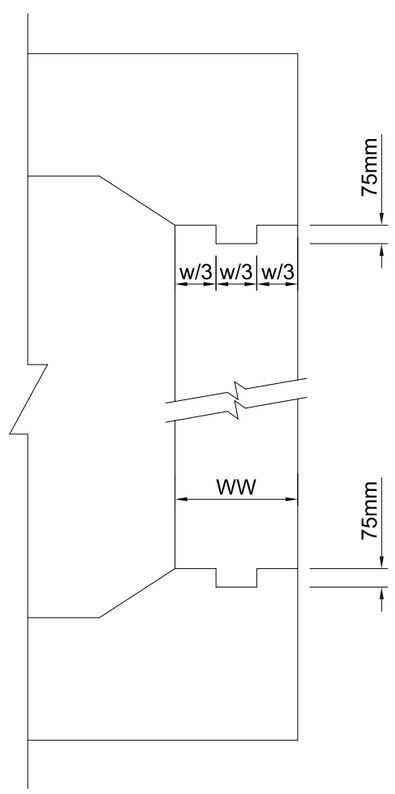
SECTION B-B



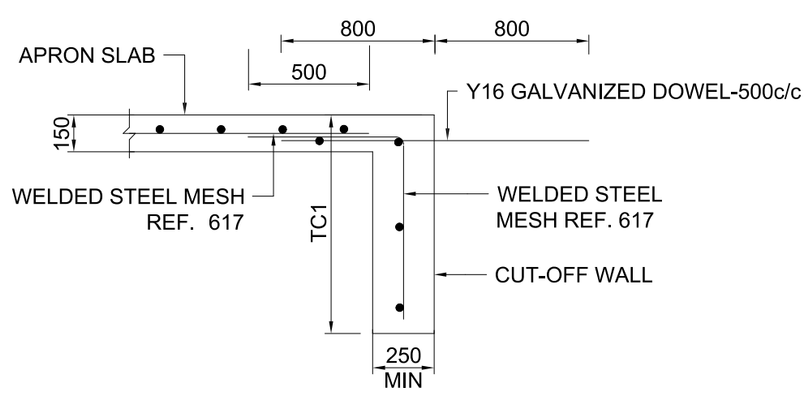
WINGWALL FOUNDATION PLAN



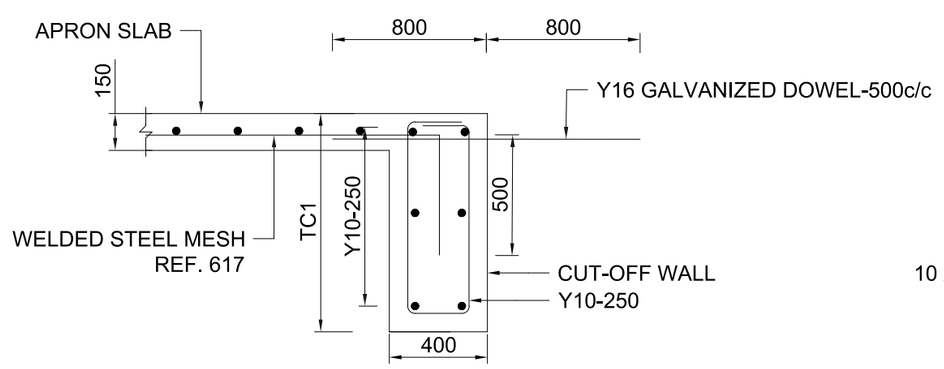
BASE SLAB, CUT-OFF WALL AND APRON SLAB DETAIL
SECTION A-A



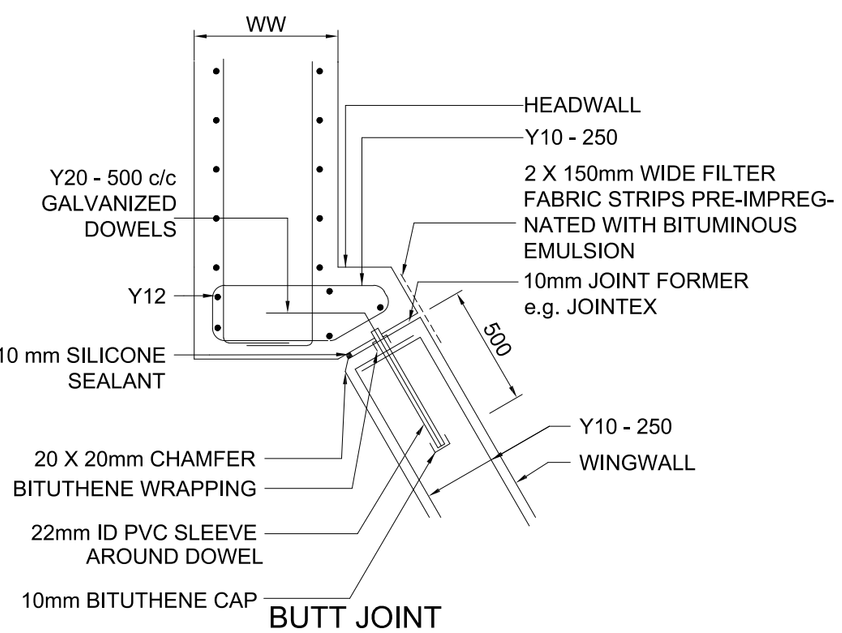
CONSTRUCTION JOINT DETAIL



APRON SLAB AND CUT-OFF WALL DETAIL
(HH≤1800)



APRON SLAB AND CUT-OFF WALL DETAIL
(1800≤HH≤3600)



BUTT JOINT
BETWEEN HEADWALL AND WINGWALL
SECTION C-C

FOR TENDER PURPOSES ONLY

No.	DATE	REVISION	CONSULT. ENG.
V1	SEP 2023	ORIGINAL VERSION	

CONSTRUCTION RECORD (AS BUILT)
WORKS CONTRACT ENGINEER
Name:
Prof, Reg, No.:
Date:
SANRAL PROJECT MANAGER
Name:
Prof, Reg, No.:
Date:

DESIGNED BY — NAME — Prof, Reg, No.
CHECKED BY — NAME — Prof, Reg, No.
DRAWN BY — NAME

CONSULTANT APPROVAL
Name :
Prof, Reg, No. :
Date :

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SANRAL
SOUTH AFRICAN NATIONAL ROADS AGENCY SOC LTD
BUILDING SOUTH AFRICA THROUGH BETTER ROADS

SOUTHERN REGION
20 Shoreward Drive
Bayswest
Port Elizabeth
6025

P.O.Box 24210
Baywest
Port Elizabeth
6034
Tel: (041) 398 3200

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 CEO: SA NATIONAL ROADS AGENCY LTD.
Date:

PROJECT DESCRIPTION
THE SPECIAL MAINTENANCE ON NATIONAL ROUTE 62 SECTION 6 BETWEEN LOUTERWATER (KM 58.60) AND JOUBERTINA (KM 79.00)

DRAWING NAME
INSITU CAST CONCRETE RECTANGULAR PORTAL CULVERTS REINFORCEMENT FOR WINGWALLS AND HEADWALLS HEIGHTS (HH) NOT EXCEEDING 3.6 m

SCALE : N.T.S. SHEET 3 OF 7

PROJECT NUMBER	SANRAL R.062-060-2021/2F	
DRAWING LOCATION DATA	START	END
ROUTE	R62	R62
SECTION	6	6
DRAWING km DISTANCE	58,60	79,00
DRAWING TYPE	MAJOR CULVERTS	
BRIDGE/STRUCTURE No.	-	
CONSULTANT DRAWING No.	ER 2203/160	VER.
SANRAL DOC No.	-	V1