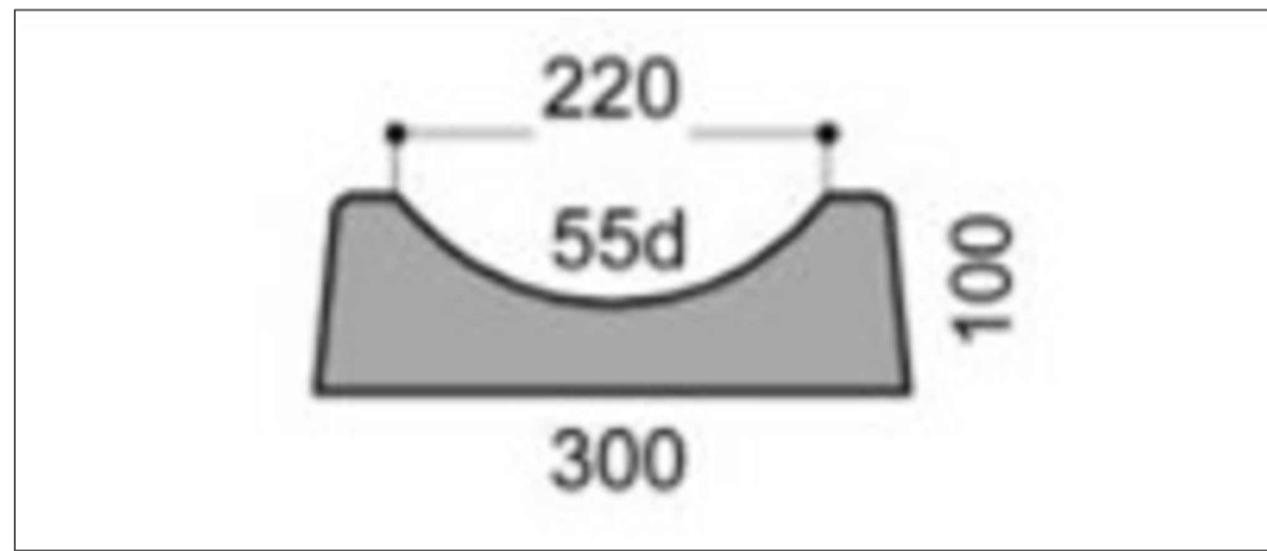
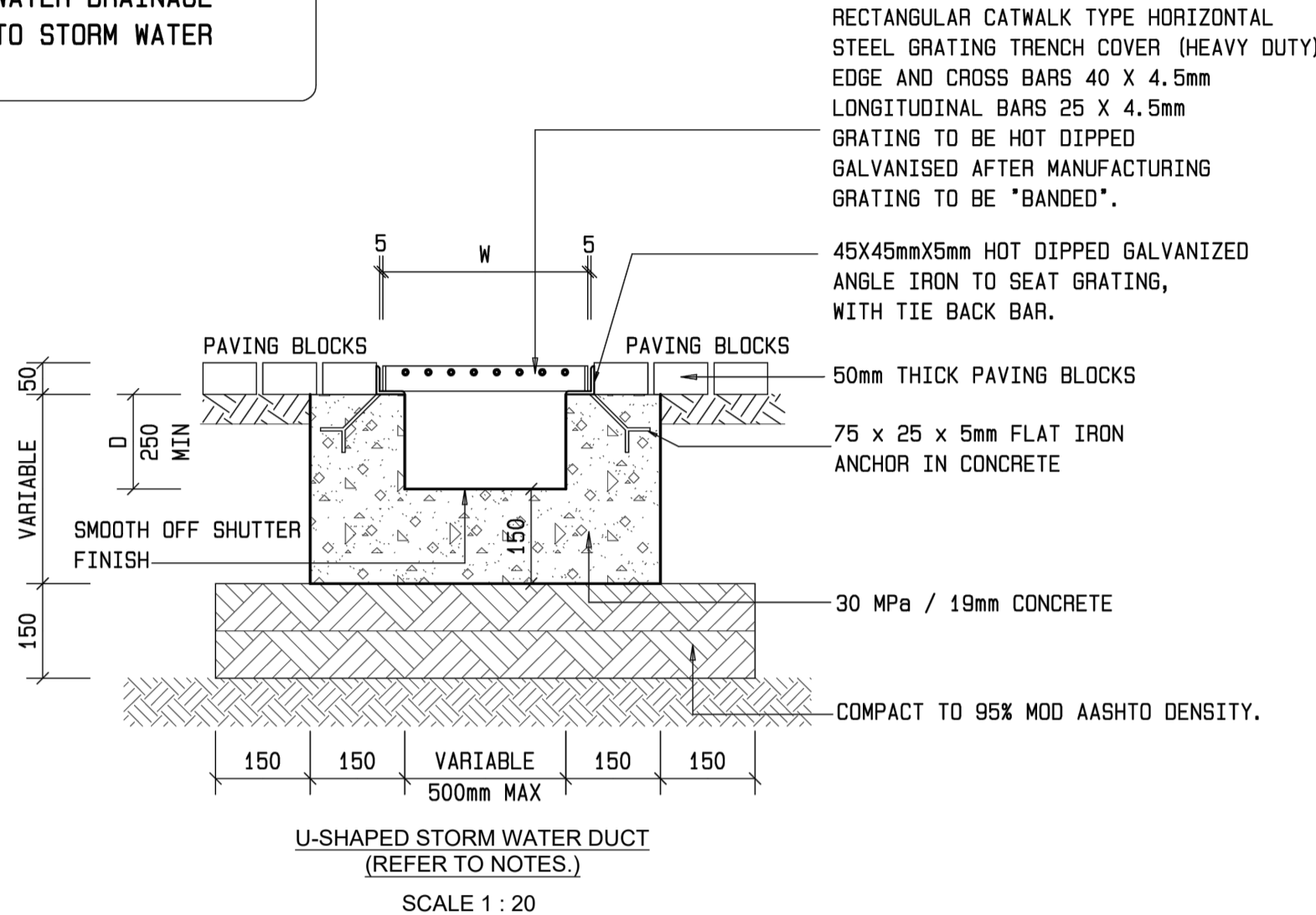


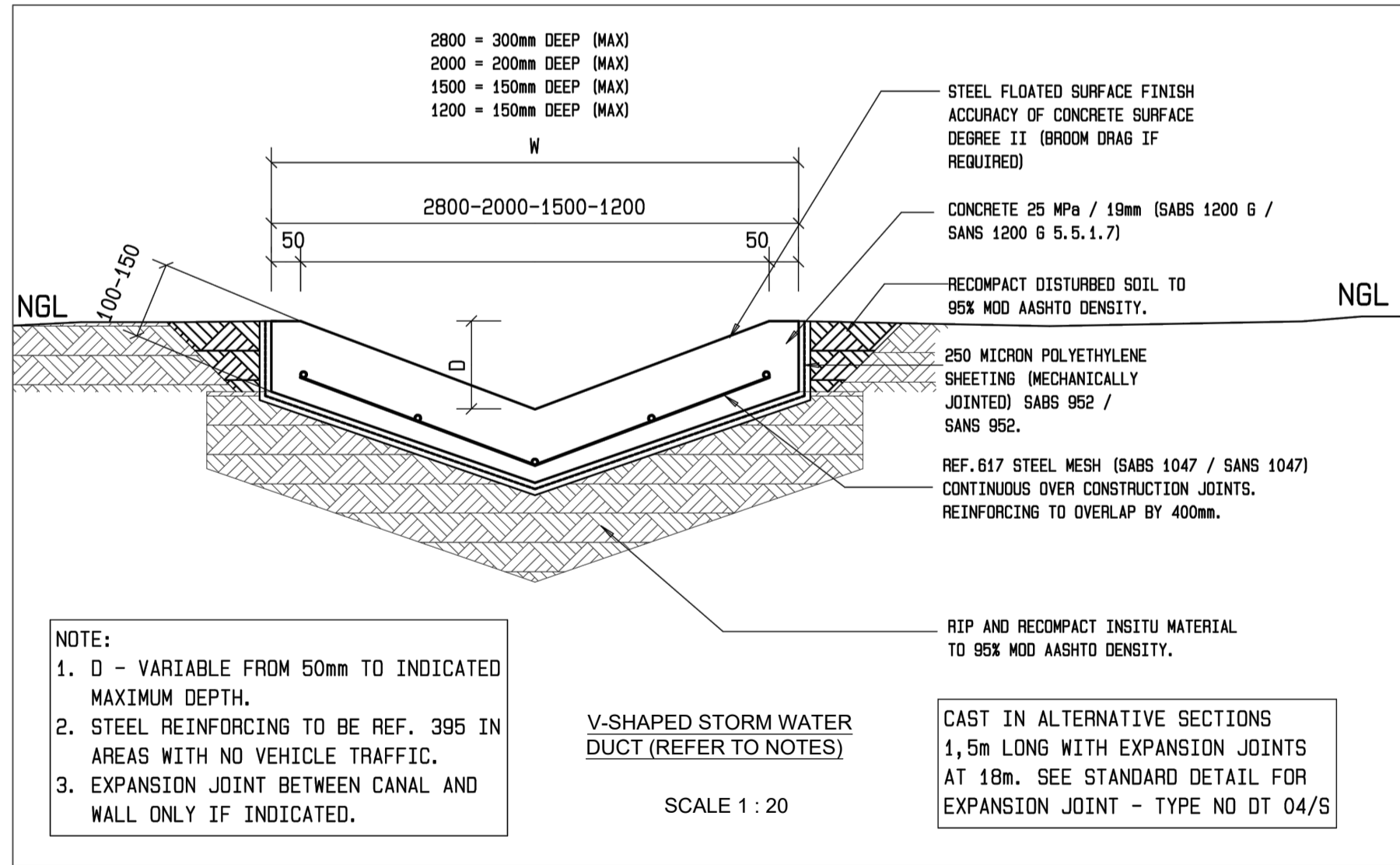


BENCH MARK			
NAME	Y	X	Z
BM1	-42889.34	3038169.82	1323.128
BM2	-42883.62	3038274.18	1323.043
BM3	-42767.51	3038285.03	1322.320

NOTE:
-COMPLETE UNIT TO BE HOT DIPPED GALVANIZED AFTER MANUFACTURING (SANS 32 HEAVY DUTY) .
-ALLOW FOR WATER DRAINAGE FROM DUCT TO STORM WATER SYSTEM



STORM WATER DOWN CHANNEL
N.T.S



NOTE:
1. D - VARIABLE FROM 50mm TO INDICATED MAXIMUM DEPTH.
2. STEEL REINFORCING TO BE REF. 395 IN AREAS WITH NO VEHICLE TRAFFIC.
3. EXPANSION JOINT BETWEEN CANAL AND WALL ONLY IF INDICATED.

V-SHAPED STORM WATER
DUCT (REFER TO NOTES)
SCALE 1 : 20

CAST IN ALTERNATIVE SECTIONS
1,5m LONG WITH EXPANSION JOINTS
AT 18m. SEE STANDARD DETAIL FOR
EXPANSION JOINT - TYPE NO DT 04/S

GENERAL NOTES:

NOTES AND SPECIFICATIONS GENERAL

- DO NOT SCALE FROM THESE DRAWINGS.
- THE CONTRACTOR SHALL WHERE NECESSARY DETERMINE THE EXACT LOCATION OF EXISTING SERVICES AND PROTECT THEM FROM DAMAGE THROUGHOUT THE DURATION OF THE WORKS.
- THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER WITH REGARDS TO STANDARD AND SPECIFICATION BEFORE ORDERING ANY MATERIAL.
- ONLY STAFF FROM LOCAL AUTHORITY WILL HANDLE ON EXISTING MUNICIPAL SERVICES UNLESS PERMISSION GRANTED TO THE CONTRACTOR IN WRITING BY THE LOCAL AUTHORITY.
- ALL MATERIAL AND WORKMANSHIP MUST COMPLY WITH THE REQUIREMENTS OF THE LATEST RELEVANT SABS REQUIREMENTS.
- ALL DIMENSIONS ARE IN MILLIMETRES. (UNLESS OTHERWISE SPECIFIED).
- ALL DIMENSIONS MUST BE CHECKED AND APPROVED ON SITE.
- FINAL POSITION OF SERVICES TO BE DETERMINED ON SITE.
- CONTRACTOR TO CLEAN AND RESHAPE PORTION OF THE EARTH CHANNEL AS INDICATED BY THE RESIDENT ENGINEER.
- V-SHAPED STORMWATER DUCT TO BE 600mm WIDE.
- U-SHAPED STORMWATER DUCT TO BE 600mm WIDE.
- LENGTH OF STORM WATER DOWN CHANNEL WILL BE TO SUITE.
- WALKWAY OPPOSITE TSENIN (R31) ROAD TO HAVE A MIN. SLOPE OF 0.4% TOWARDS TSENIN (R31) ROAD.

LEGEND

PROPOSED STORMWATER DUCT

EXISTING STORMWATER CHANNEL

RELOCATE EXISTING STORMWATER GRID INLET

REFERENCE DRAWINGS

DO NOT SCALE - IF
IN DOUBT, ASK

This drawing is confidential and the property
of Aseda Consulting Engineers, and is subject
to return upon demand.

CLIENT



CLIENT APPROVED

CLIENT'S NAME

CLIENT'S SIGNATURE DATE

IMPLEMENTING AGENT

CONSULTANT:

aseda
BEYOND INFRASTRUCTURE

TEL: 011 312 4070
FAX: 011 312 2689
E-Mail: admin@aseda.co.za

BUILDING No. 7
546 CONSTANTIA PARK
16th ROAD
MIDRAND 1685

0	TENDER	O.S
1	PRELIM DESIGN	O.S

REV DATE DESCRIPTION CHKD

PROJECT TITLE:

PROPOSED NEW DEVELOPMENT ADDITIONS &
ALTERATIONS TO KURUMAN TAXI AND BUS
RANK PROJECT

DRAWN TITLE:

STORMWATER LAYOUT PLAN AND DETAILS

DRAWN STATUS:

TENDER

DESIGNED: K.NYANTEH DRAWN: K.NYANTEH CHECKED: O.SIMBA

APPROVED: PROJECT ENGINEER'S SIGNATURE

PROJECT ENGINEER'S NAME PROF REG No. DATE

DRAWING NUMBER: NW24004-CIV-STW-001

Revised: 0

DRG SIZE:

A1

0