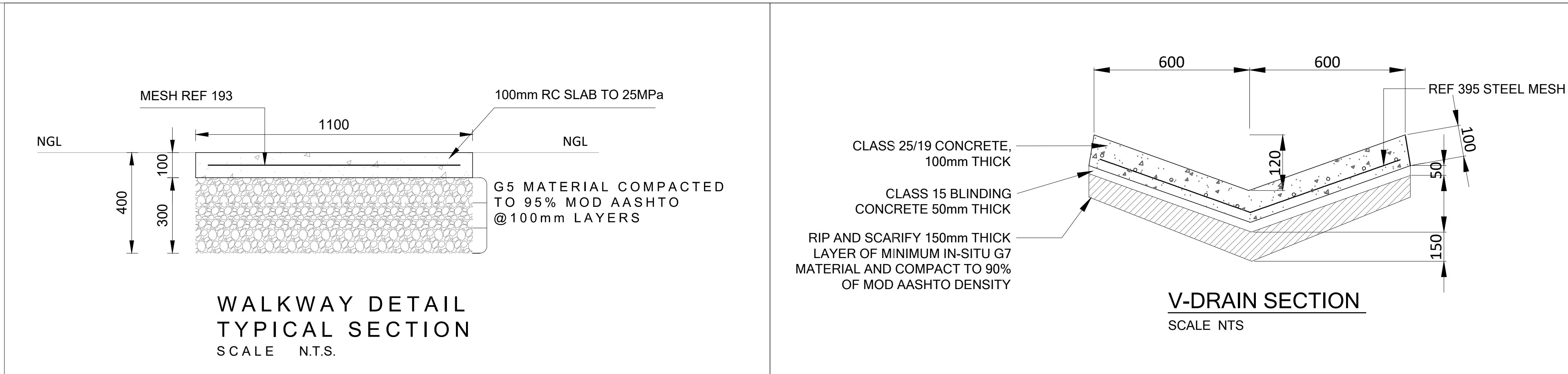


DRAINAGE NOTE:

- ALL NEW CONCRETE WALKWAYS TO HAVE A MINIMUM FALL OF 0.5% INTO THE V-DRAINS THAT WILL BE CONSTRUCTED ADJACENT TO THEM.
- ALL CONCRETE V-DRAINS TO FALL WITH THE NATURAL GROUND LEVEL, WHERE FLAT, A MINIMUM GRADIENT OF 0.5% IS TO BE FOLLOWED.
- AT THE LOWEST POINTS OF THE DRAINS, STONE PITCHING AND/OR RIPRAP OUTLET ARE TO BE CONSTRUCTED
- ALL 450mm Ø PIPES WILL BE LAID WITH THE DESIGN THAT ALLOWS THEM TO FUNCTION AS SUBSOIL DRAINS, WHERE THEY WILL NOT BE SEALED BY ADHESIVE SEALANTS ON THE ADJOINING PORTIONS SO AS TO ALLOW BOTH GROUNDWATER AND SURFACE WATER TO DRAIN INTO THE SYSTEM



A. GENERAL

- ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE RELEVANT SABS 1200 SPECIFICATIONS.
- THE CONTRACTOR MUST GIVE THE ENGINEER 48 HOURS WRITTEN NOTICE OF INSPECTIONS PRIOR TO THE COVERING UP OF ANY WORK
- THE CONTRACTOR MUST ARRANGE FOR CONTROL TESTING AT FREQUENCIES SPECIFIED IN THE RELEVANT SABS 1200 SPECS. COSTS FOR CONTROL TESTING WILL BE FOR THE CONTRACTOR'S ACCOUNT.
- ONCE SETTING OUT OF WORK IS COMPLETE, THE CONTRACTOR MUST CALL THE ENGINEER FOR INSPECTION PRIOR TO COMMENCING WITH CONSTRUCTION.
- SHOULD THE CONTRACTOR DISCOVER ANY DISCREPANCIES IN THE DRAWINGS, THESE DISCREPANCIES MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY. NO ASSUMPTIONS MUST BE MADE.
- SHOULD THE CONTRACTOR WISH TO USE ANY MATERIALS OTHER THAN THOSE SPECIFIED, HE MUST OBTAIN WRITTEN APPROVAL FROM THE ENGINEER TO DO SO.
- ANY DESIGN CHANGES DURING CONSTRUCTION MUST BE ISSUED UNDER SITE INSTRUCTION, AFTER APPROVAL BY PRINCIPAL AGENT
- ALL BRICKS USED TO CONSTRUCT STORMWATER MANHOLES MUST BE NFX LOAD BEARING BRICKS CONFORMING TO SABS 1200 LD
- ALL EXISTING SERVICES TO BE PROVED PRIOR TO WORK COMMENCING. ANY EXISTING SERVICE THAT IS DAMAGED BY THE CONTRACTOR AND IS SHOWN ON THE CONSTRUCTION DRAWINGS OR INDICATED TO THE CONTRACTOR ON SITE BY THE ENGINEER, MUST BE REPAIRED BY THE CONTRACTOR AT HIS OWN COST.

B. EARTHWORKS:

- 100mm TOPSOIL TO BE STRIPPED AND STOCKPILED AS INSTRUCTED.
- UNSUITABLE MATERIAL TO BE SPOILT AS INDICATED BY THE ENGINEER.
- IN-SITU MATERIAL TO BE COMPACTED TO 93% MOD. AASHTO DENSITY.
- FILL TO BE COMPACTED IN MAXIMUM 200mm THICKNESS TO 93% MOD. AASHTO DENSITY.
- ALL BATTERS TO BE TOPSOILED WITH MATERIAL FROM STOCKPILE.
- ALL CUT AND FILL BATTERS TO BE SHAPED AT SLOPES OF 1:1.5 AND 1:2.0 RESPECTIVELY.

C. ROADWORKS

- WEARING COURSE MATERIAL FOR THE SURFACING MUST BE APPROVED BY THE ENGINEER.
- 150mm SUBBASE OF SUITABLE MATERIAL COMPACTED TO 97% MOD. AASHTO DENSITY.
- 150mm OF SELECTED FILL LAYER COMPACTED TO 95% MOD. AASHTO DENSITY.
- RIP AND RECOMPACT 150mm IN SITU LAYER COMPACTED TO 93% MOD. AASHTO DENSITY.

NOTES:

- GENERAL NOTES:
- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ARCHITECTS DRAWINGS.
 - ALL DIMENSIONS AND HEIGHTS ARE TO BE CHECKED ON SITE.
 - REPORT DISCREPANCIES TO ARCHITECT FOR ENGINEER'S COMMENT.
 - FOR SETTING OUT DATA, SETTING OUT POINTS AND DATUM LEVELS REFER TO SURVEY INFORMATION AND ARCHITECT'S DRAWINGS.
 - STRUCTURAL WORKS IS TO BE CARRIED OUT IN ACCORDANCE WITH THE PROJECT SPECIFICATION AND THE RELEVANT S.A.S. SPECIFICATIONS.
 - CONSULT RELEVANT ARCHITECTS MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS AND DETAILS AS RELEVANT FOR DRAINAGE.
 - STORMWATER OUTLET PIPES AND HOLES AND SLEEVES FOR THESE SERVICES, NO HOLES ARE TO BE CORED WITHOUT ENGINEER'S WRITTEN APPROVAL.

LEGEND:

- NEW WALKWAYS
- NEW V-DRAINS
- NEW 450mm Ø STORMWATER PIPE
- NEW STORMWATER MANHOLES/INLETS
- NEW PAVING SURFACING

REFERENCE DRAWING

NO.	DRAWING NUMBER	DESCRIPTION
01	1013-023-1000	SITE DEVELOPMENT PLAN

REVISION

NO.	DATE	REVISION	REV. BY
01	05/12/2022	FOR TENDER	Z.OLAMINI

SIGPRO SIGNATURES	NAME	SIGNATURE	DATE
DESIGNED	S.HERBERT		24/11/2022
DRAWN BY	Z.OLAMINI		20/11/2022
CHECKED			
PROJECT MANAGER	S.HEAD		23/05/2019

CLIENT DEPARTMENT SIGNATURES

FACILITY STAMP

FACILITY MANAGER

INFRASTRUCTURE MANAGER

GENERAL MANAGER

Checked by Professional Consultant

Name

Signature Date

SIGPRO
ENGINEERING AND PROJECT MANAGEMENT



NORTHERN REGION

Project KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE PROGRAMME

Drawing Description

MATAMZANE DUBE SECONDARY SCHOOL
STORMWATER AND CIVILS LAYOUT

Drawn: SIGPRO Date: 13/06/2019

Scales: AS SHOWN

Consultant Drawing Number: 1013-023-1000 Rev 1

DBSA Drawing number: 500124283

Stamped by Plans Approval Committee

ISSUED FOR TENDER

SITE LAYOUT

SCALE 1 : 250