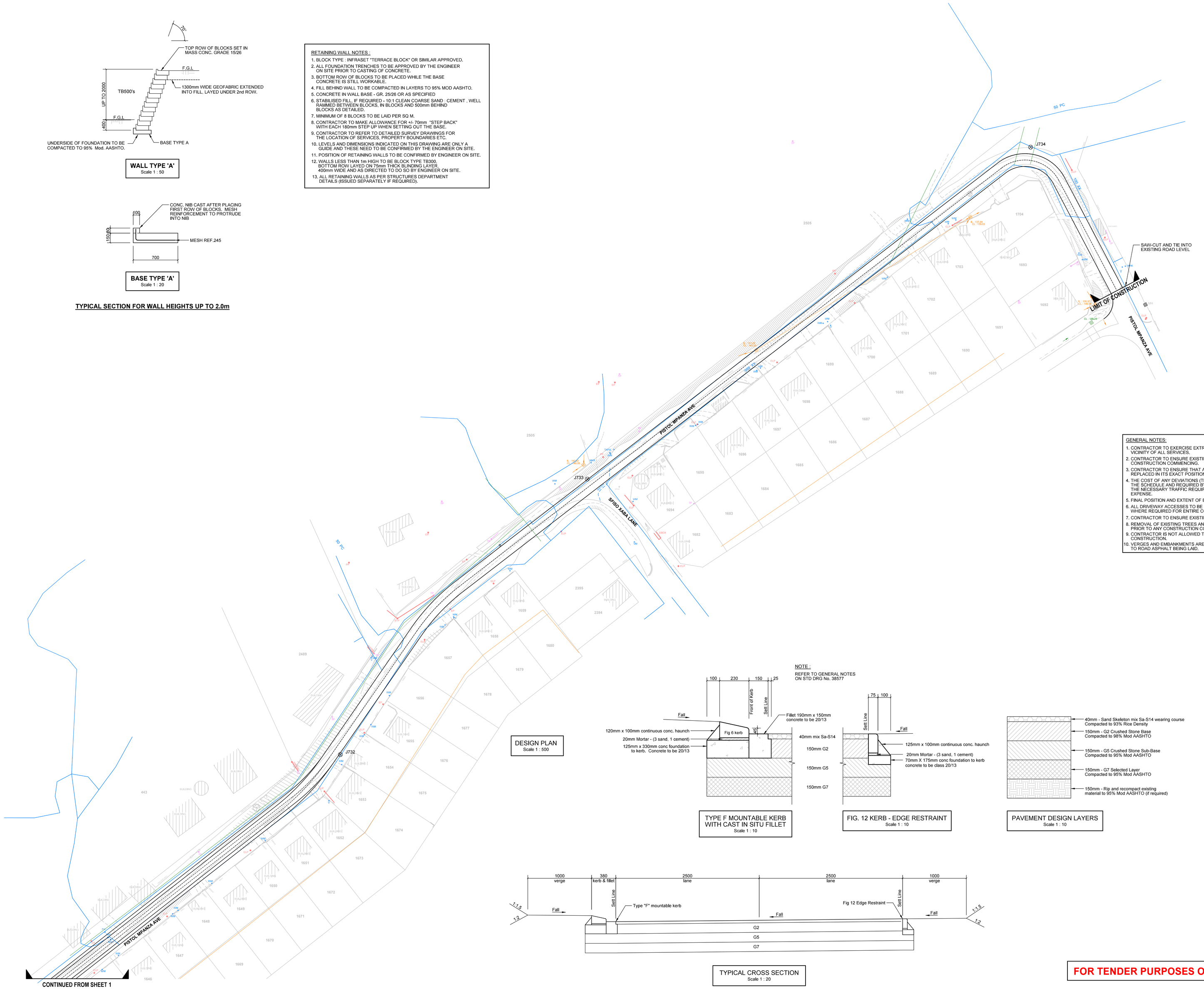
WALL TYPE 'A'
Scale 1 : 50

BASE TYPE 'A'
Scale 1 : 20

TYPICAL SECTION FOR WALL HEIGHTS UP TO 2.0m

RETAINING WALL NOTES :

1. BLOCK TYPE : INFRASET "TERRACE BLOCK" OR SIMILAR APPROVED.
2. ALL FOUNDATION TRENCHES TO BE APPROVED BY THE ENGINEER ON SITE PRIOR TO CASTING OF CONCRETE.
3. BOTTOM ROW OF BLOCKS TO BE PLACED WHILE THE BASE CONCRETE IS STILL WORKABLE.
4. FILL BEHIND WALL TO BE COMPACTED IN LAYERS TO 95% MOD AASHTO.
5. CONCRETE IN WALL BASE - GR. 25/26 OR AS SPECIFIED
6. STABILISED FILL, IF REQUIRED - 10:1 CLEAN COARSE SAND , CEMENT , WELL RAMMED BETWEEN BLOCKS. IN BLOCKS AND 500mm BEHIND BLOCKS AS DETAILED.
7. MINIMUM OF 8 BLOCKS TO BE LAID PER SQ M.
8. CONTRACTOR TO MAKE ALLOWANCE FOR +/- 70mm "STEP BACK" WITH EACH 180mm STEP UP WHEN SETTING OUT THE BASE.
9. CONTRACTOR TO REFER TO DETAILED SURVEY DRAWINGS FOR THE LOCATION OF SERVICES, PROPERTY BOUNDARIES ETC.
10. LEVELS AND DIMENSIONS INDICATED ON THIS DRAWING ARE ONLY A GUIDE AND THESE NEED TO BE CONFIRMED BY THE ENGINEER ON SITE.
11. POSITION OF RETAINING WALLS TO BE CONFIRMED BY ENGINEER ON SITE.
12. WALLS LESS THAN 1m HIGH TO BE BLOCK TYPE TB300, BOTTOM ROW LAYED ON 75mm THICK BLINDING LAYER 400mm WIDE AND AS DIRECTED TO DO SO BY ENGINEER ON SITE.
13. ALL RETAINING WALLS AS PER STRUCTURES DEPARTMENT DETAILS (ISSUED SEPARATELY IF REQUIRED).



DESIGN PLAN
Scale 1 : 500

NOTE :
REFER TO GENERAL NOTES ON STD DRG No. 38577

TYPE F MOUNTABLE KERB WITH CAST IN SITU FILLET
Scale 1 : 10

FIG. 12 KERB - EDGE RESTRAINT
Scale 1 : 10

PAVEMENT DESIGN LAYERS
Scale 1 : 10

TYPICAL CROSS SECTION
Scale 1 : 20

GENERAL NOTES:

1. CONTRACTOR TO EXERCISE EXTREME CARE AND CAUTION WHILST WORKING IN THE VICINITY OF ALL SERVICES.
2. CONTRACTOR TO ENSURE EXISTING SERVICES ARE TO BE EXPOSED PRIOR TO ANY CONSTRUCTION COMMENCING.
3. CONTRACTOR TO ENSURE THAT ANY BOUNDARY BEACONS DISLODGED ARE TO BE REPLACED IN ITS EXACT POSITION AFTER CONSTRUCTION AT CONTRACTORS OWN COST.
4. THE COST OF ANY DEVIATIONS (TRAFFIC) NOT PROVIDED OR SHOWN ON THE PLAN AND IN THE SCHEDULE AND REQUIRED BY THE CONTRACTOR TO ENABLE HIM TO COMPLY WITH THE NECESSARY TRAFFIC REQUIREMENTS ETC, SHALL BE AT THE CONTRACTORS OWN EXPENSE.
5. FINAL POSITION AND EXTENT OF BELLMOUTH TO BE CONFIRMED ON SITE BY ENGINEER
6. ALL DRIVEWAY ACCESSES TO BE MAINTAINED AND REGRADED TO SUITE NEW ROAD LEVELS WHERE REQUIRED FOR ENTIRE CONTRACT DURATION.
7. CONTRACTOR TO ENSURE EXISTING GRAVES, IF PRESENT, ARE PROTECTED AND NOT DISTURBED.
8. REMOVAL OF EXISTING TREES AND FENCES TO BE CONFIRMED WITH ENGINEER ON SITE PRIOR TO ANY CONSTRUCTION COMMENCING.
9. CONTRACTOR IS NOT ALLOWED TO UTILISE WATER FROM ANY RIVER OR STREAM FOR CONSTRUCTION.
10. VERGES AND EMBANKMENTS ARE TO BE TRIMMED AND SHAPED TO SPECIFICATION PRIOR TO ROAD ASPHALT BEING LAID.

DRAUGHTING SYMBOLS

DETAIL	Proposed	Existing
CENTERLINE		
WATERMAIN DUCT		
TELKOM CABLE DUCT		
ELECTRIC CABLE DUCT		
ELECTRIC CABLES	E	E
ELECTRIC LIGHT POLE	ELP	ELP
TRAFFIC SIGNAL	TS	TS
CONSUMER DISTRIB. UNIT	CDU	CDU
TELKOM CABLES	TMH	TMH
TELEPHONE POLE	TP	TP
SEWER	S	S
STORMWATER DRAIN	SWD	SWD
STORMWATER INLET		
SCOOP		
KERB AND CHANNEL		
EARTH EMBANKMENT		
WATERMAIN		
VALVE (Valve / Air Valve)	V / AV	V / AV
FIRE PLUG	FP	FP
STANDARD HYDRANT	SH	SH
EXISTING M.H. TO BE CONVERTED TO CATCHPIT		
EXISTING CATCHPIT TO BE CONVERTED TO M.H.		

FOR TENDER PURPOSES ONLY

New Road Area ..... m²

Unsurfaced to Surfaced ..... km's

AS BUILT

Date ..... Sign .....

eTHEKWINI MUNICIPALITY

ENGINEERING UNIT
ROADS PROVISION DEPARTMENT

PLAN DESCRIPTION	DWG. NO.	
CONTINUED FROM		
CONTINUED ON		
CROSS SECTIONS		
TYPICAL CROSS SECTION		
SURVEY LAYOUT		

REDUCED PLAN USE SCALE BELOW

0 10 20 30 40 50 60 70

70mm ON ORIGINAL PLAN

DRAWN IN ALLYWINDOWS

WG31

Revision	Date	Description

NOTE:
No construction work to commence until land and servitude acquisitions have been completed

Acquisitions completed

Date ..... Engineer .....

NORTH POINT

UNDERGROUND SERVICES CHECKED

SERVICE	DATE	SIGNATURE
S.W.DRAINS		
SEWERS		
WATER MAINS		
G.P.O.CABLES		
ELECTRIC CABLES		
S.A.R. CABLES		
E.S.C. CABLES		
OIL PIPE LINE		

NOTE:
Only underground services affected by new construction work are shown. Care must be taken during excavations for road foundations, trenches etc., to avoid damage to underground services such as sewers, drains, cables, water mains and connections. Wherever possible these must be located before work proceeds.

Contract No: 1R-46958

Project Title:
UPGRADING OF PISTOL MPANZA AVENUE IN KWAMAKHUTHA OF WARD 94

Drawing Title:
DIMENSIONS, SETTING OUT SERVICES PLAN

Scales	Reference
AS SHOWN	
Designed: B.NOKWE	Date: 20 OCTOBER 2021
Checked: L.SINGH	Drawn in AllyWindows by: D.NAIDOO

Manager RD (S)

D/H : RP

G.Evans — Head : Engineering

Drawing No: 48960

Sheet 02 of 02 Sheets