



LIMIT OF CONSTRUCTION COORDINATES

NAME	Y-COORD	X-COORD
END OF WORK 4	50 246.240	3 758 192.623
START OF WORK 4 END OF WORK 3	50 189.370	3 758 095.136

ITEM 6-8 SETTING OUT DATA

NAME	Y-COORD	X-COORD	ELEVATION
BB-6.1	50 212.646	3 758 130.593	227.000
BB-6.3	50 220.279	3 758 139.263	228.448
BB-6.4	50 233.464	3 758 144.096	228.500
BB-6.5	50 234.745	3 758 145.573	228.500
BB-6.6	50 235.105	3 758 155.414	228.597
BB-6.7	50 230.325	3 758 162.951	225.933
BB-6.8	50 228.687	3 758 169.846	228.000
BB-6.9	50 234.065	3 758 176.728	228.000
BB-6.10	50 237.457	3 758 174.362	227.000
BB-6.11	50 234.967	3 758 167.463	228.000
BB-6.12	50 235.276	3 758 164.474	228.000
BB-6.13	50 236.802	3 758 159.538	228.000
BB-6.14	50 241.446	3 758 149.796	227.001
BB-6.15	50 241.002	3 758 143.258	227.000
BB-6.16	50 230.138	3 758 136.996	227.000
BB-6.17	50 221.592	3 758 130.373	227.000
BB-6.18	50 218.589	3 758 131.992	227.000
BB-6.19	50 215.152	3 758 128.729	227.000
TR-6.1	50 210.234	3 758 132.375	230.000
TR-6.2	50 218.676	3 758 141.780	229.500

ITEM 6-8 SETTING OUT DATA

NAME	Y-COORD	X-COORD	ELEVATION
TR-6.3	50 232.550	3 758 148.956	229.500
TR-6.4	50 232.395	3 758 149.395	229.500
TR-6.5	50 233.019	3 758 150.230	229.500
TR-6.6	50 227.632	3 758 161.638	229.000
TR-6.7	50 226.750	3 758 170.509	228.848
TR-6.8	50 231.604	3 758 178.442	229.000
TR-6.9	50 241.764	3 758 171.360	230.500
TR-6.10	50 242.350	3 758 163.387	230.500
TR-6.11	50 247.131	3 758 154.753	231.000
TR-6.12	50 246.948	3 758 143.984	231.000
TR-6.20	50 195.230	3 758 116.698	228.735
TR-6.21	50 193.246	3 758 116.444	229.265
TR-6.24	50 193.627	3 758 113.469	229.571
TR-6.25	50 195.610	3 758 113.722	229.571
WW-6.22	50 192.170	3 758 115.318	228.665
WW-6.23	50 192.316	3 758 114.281	228.775

SITE 4 : CROSS SECTIONS
SCALE 1:200

NOTES:
 1. SURVEY COORDINATE SYSTEM: LD 23 HARTBEESTHOK 94
 2. POSITION OF EXISTING STRUCTURES ARE APPROXIMATE AND ACTUAL POSITIONS MUST BE DETERMINED ON SITE BEFORE WORK COMMENCES.
 3. NOTE
 a) EXISTING HEADWALL TO BE DEMOLISHED AND DISCARDED OFF SITE
 b) EXISTING PIPE TO BE CUT TO SITE NEW HEADWALL. REDUNDANT PIPE TO BE REMOVED AND DISCARDED OFF SITE
 c) CONSTRUCT RIP-RAP AND GABRION WEIRS AS SHOWN ON TYPICAL DETAILS SHOWN.
 4. DRAWING TO BE READ IN CONJUNCTION WITH DRAWINGS:
 a) 1760-GEN-003 SHEET 1-5 STUDY LAYOUT AREA

No.	APPROVED	AMENDMENTS	DATE
0	KP	ISSUED FOR CONSTRUCTION	2024-02-20

DESIGNED	DATE
P. MARK	2024-02

CHECKED	DATE
P. DALLAS	2024-02

- NOTES FOR RIP-RAP STONE MATRESS:**
 1. THE STONE SHAPE IS IMPORTANT AND RIP-RAP SHOULD BE BLOCKY RATHER THAN ELONGATED, PLATY, OR ROUND.
 2. TO FORM A GOOD RIP-RAP STRUCTURE, PLACE THE ROCK MIXTURE ON THE SLOPE OF THE BANK IN A WELL KEPT, COMPACT AND UNIFORM LAYER WITHOUT SEGREGATION OF THE MIXTURE.
 3. WHERE A GEOTEXTILE IS USED AS A FILTER LAYER, THE SPACING OF RIP-RAP SHOULD BE LIMITED TO DROP HEIGHTS OF LESS THAN 300mm TO PREVENT TEARING OF THE GEOTEXTILE FABRIC.
 4. ALONG THE BANK LINE THE GEOTEXTILE SHOULD BE PLACED SO THAT THE UPSTREAM STRIPS OF FABRIC OVERLAP DOWNSTREAM STRIPS, AND SO THAT UPSLOPE STRIPS OVERLAP DOWNSLOPE STRIPS. THE OVERLAP SHOULD BE AT LEAST 300mm WHEN WORKING ON DRY GROUND.
- GABION RENO-MATRESS
 - GABION BOX
 - D250-300 VOID FILLED RIP-RAP
 - D250-300 RIP-RAP
 - EXISTING STORMWATER PIPED
 - WING WALL STORMWATER OUTLET

LUKHOZI
 LUKHOZI CONSULTING ENGINEERS (PTY) LTD
 KWA LUKHOZI QUARTZITE DRIVE
 THE QUARRY, SELBORNIE, 5201
 TEL: 043 221 1231
 EMAIL: info@lukhozi.co.za
 WEB: www.lukhozi.co.za

GEORGE
 THE CITY FOR ALL REASONS

PROJECT TITLE
 MDRG PROJECT 28(3)
 VAN RIEBEECK GARDENS
 AND CAMPHERSDRIFT

DRAWING TITLE
 PHASE 2 : SITE 4
 ITEMS 6,7 AND 8 PER CONCEPT STUDY
 REINSTATE STORMWATER OUTLET
 AND REINSTATE EMBANKMENT

SCALE	SHEET SET	SHEET NO.	TOTAL SHEETS	SHEET SIZE
AS SHOWN	SHEET 1 OF 1 SHEETS	1	1	A0

DRAWING No.	REVISION
1760-STW-005	0



