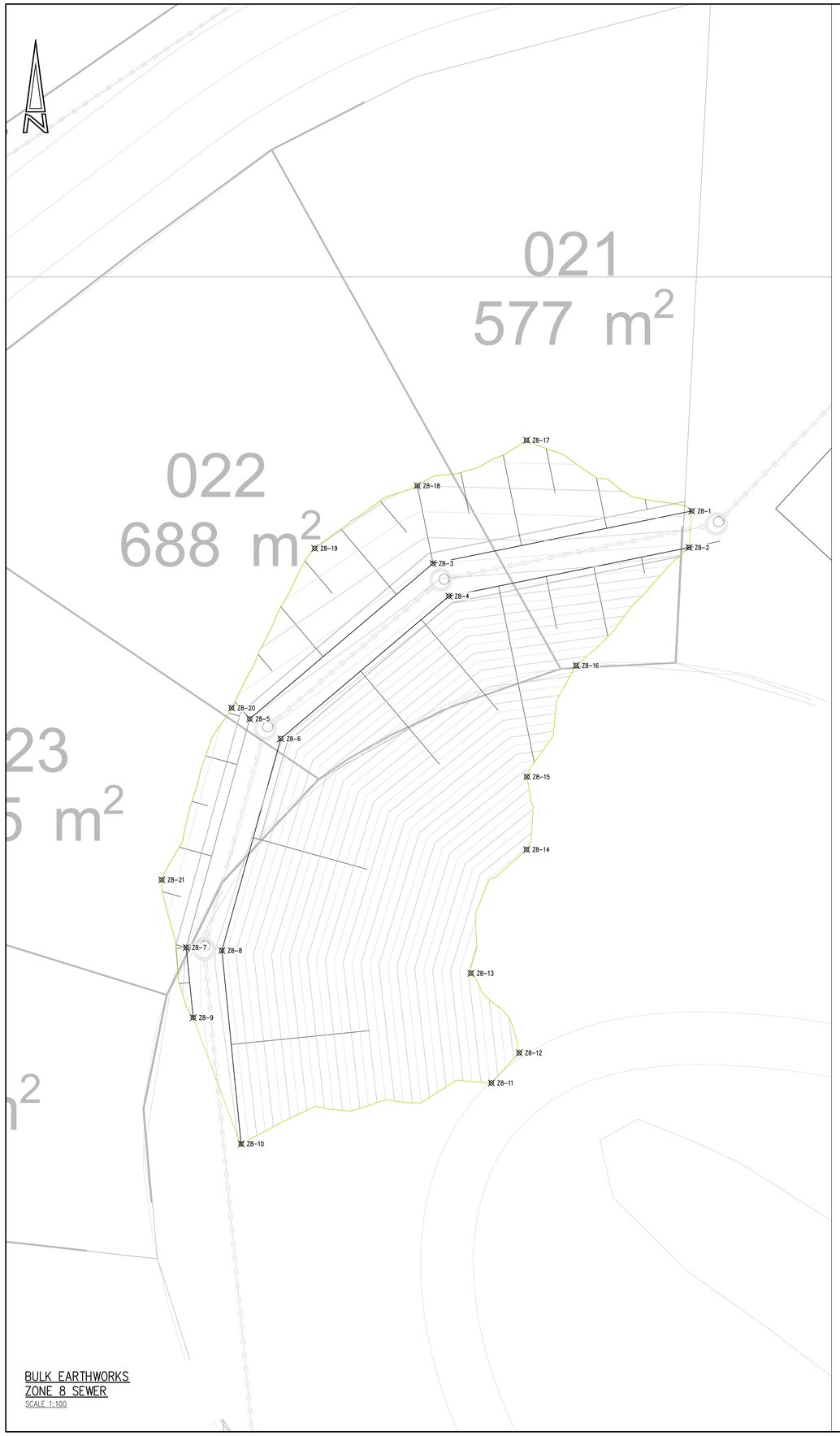
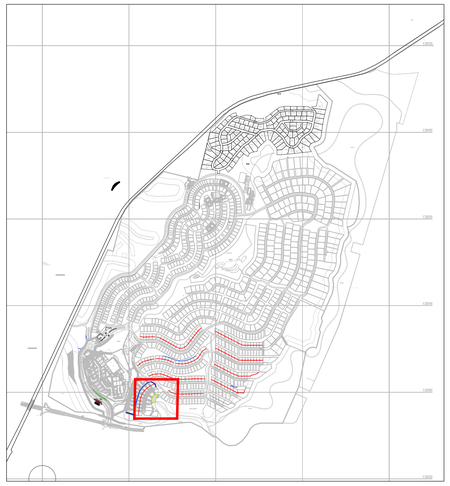


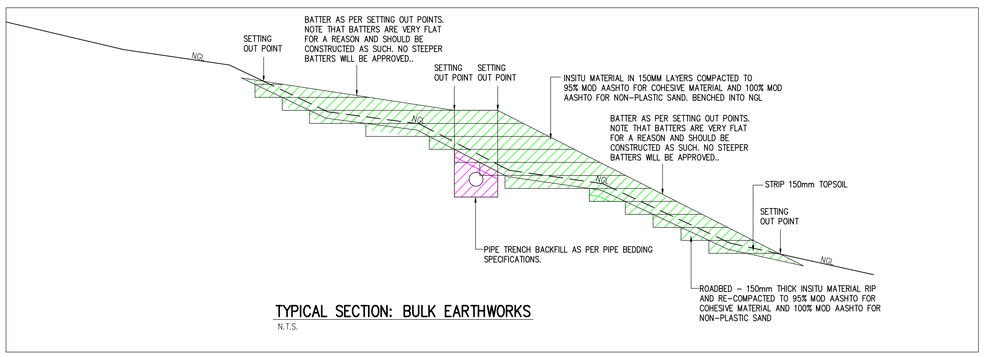
BULK EARTHWORKS
ZONE 8 SEWER
SCALE 1:100



LOCALITY PLAN:
1:10000

EARTHWORKS
ZONE 8 SEWER FILLING

POINT	Y	X	Z
Z8-1	-10 933.813	3 282 813.297	54.531
Z8-2	-10 933.662	3 282 815.368	54.275
Z8-3	-10 919.119	3 282 816.273	54.300
Z8-4	-10 920.020	3 282 818.131	54.084
Z8-5	-10 908.703	3 282 825.101	54.200
Z8-6	-10 910.465	3 282 826.229	54.019
Z8-7	-10 905.095	3 282 838.088	54.200
Z8-8	-10 907.123	3 282 838.263	53.954
Z8-9	-10 905.492	3 282 842.071	54.152
Z8-10	-10 908.215	3 282 849.236	53.987
Z8-11	-10 922.435	3 282 845.785	51.083
Z8-12	-10 924.016	3 282 844.071	50.729
Z8-13	-10 921.271	3 282 839.551	51.172
Z8-14	-10 924.435	3 282 832.524	51.286
Z8-15	-10 924.453	3 282 828.392	51.928
Z8-16	-10 927.247	3 282 822.071	53.111
Z8-17	-10 924.435	3 282 809.276	54.789
Z8-18	-10 918.225	3 282 811.863	54.600
Z8-19	-10 912.395	3 282 815.414	54.600
Z8-20	-10 907.674	3 282 824.482	54.284
Z8-21	-10 903.708	3 282 834.242	54.358



TYPICAL SECTION: BULK EARTHWORKS
N.T.S.

1. EARTHWORKS AND FOUNDATIONS

1.1. ALL EARTHWORKS ARE TO BE DONE ACCORDING TO SANS 1200 D:1988
1.2. NO QUANTITIES WILL BE PAID IF BASED ON TELE SHEETS UNLESS AGREED IN WRITING WITH THE ENGINEER PRIOR TO THE PROJECT
1.3. NO MATERIAL TO BE SPOILED WITHOUT PRIOR DISCUSSING WITH ENGINEER AND CONFIRMING IN QUANTITIES.
1.4. THE MINIMUM ALLOWABLE SOIL BEARING PRESSURE UNDER FOUNDATIONS IS AS FOLLOWS:

FOUNDATIONS ON EARTH PLATFORM 150 kPA

SANS 1200 D – EARTHWORKS

TOLERANCES

- DEGREE OF ACCURACY II
- POSITION ON PLAN ±300mm
- LEVEL ± 50mm
- OMC +1%, -2%
- DENSITY +NA %, -0%

DENSITY TEST FREQUENCY PER PLATFORM

- 1 DENSITY TEST PER 500m² PER PLATFORM(MINIMUM 4 TESTS)
- 1 INDICATOR TEST PER SOIL SAMPLE

SANS 1200 DM – EARTHWORKS (ROADS:SUBGRADE)

TOLERANCES

- DEGREE OF ACCURACY II
- WIDTH OF CUT –0, +75mm
- WIDTH OF FILL –0, +200mm
- FILL LEVEL –50mm, +0mm
- SELECTED LAYER LEVEL –50mm, +0mm
- SELECTED LAYER THICKNESS –15mm, +5mm

DENSITY TEST FREQUENCY PER ROAD SECTION

- MASS FILL 1 DENSITY TEST PER 500m² (MINIMUM 4 TESTS)
- MASS FILL 1 INDICATOR TEST PER SOIL SAMPLE (MINIMUM 1 TEST)
- TOP 300mm OF FILL 1 DENSITY TEST PER 2000m² (MINIMUM 4 TESTS)
- TOP 300mm OF FILL 1 INDICATOR TEST PER SOIL SAMPLE (MINIMUM 1 TEST)
- SELECTED LAYER 1 DENSITY TEST PER 1500m² (MINIMUM 4 TESTS)
- SELECTED LAYER 1 INDICATOR TEST PER 1000m² (MINIMUM 1 TEST)
- SELECTED LAYER 1 UCS/CBR TEST PER 5000m²

SURVEYS REQUIRED (DONE BY MASS EARTHWORKS CONTRACTOR)

- NEW NGL SURVEY, BEFORE CONSTRUCTION START (SURVEY TO BE USED AS NGL SURVEY MUST BE AGREED IN WRITING BETWEEN CONTRACTOR AND CIVIL ENGINEER)
- SURVEY AFTER TOPSOIL STRIP
- SURVEY AFTER BOX CUT
- FINAL MASS EARTHWORKS LEVEL SURVEY

ISSUE / REVISION

I/R	DATE	DESCRIPTION	ISS BY
1	2021-11-30	ISSUED FOR CONSTRUCTION	DVDM

DRAWING STATUS
FOR CONSTRUCTION

STRUXIT PROJECTS

ARCHITECT
COA

CLIENT
DEVMCO

PROJECT
SALTA INFRASTRUCTURE

DRAWING CHECKS

DESIGNED BY:	D VD MERWE
DRAWN BY:	D VD MERWE
CHECKED BY:	K HOFFMAN
APPROVED BY:	D VD MERWE

DRAWING TITLE
BULK EARTHWORKS -
ZONE 8 SEWER LINE FILLING

SCALE As indicated

DRAWING NUMBER	REV
2019-0173-C-4128	1

ISO A0 1189mm x 841mm