

DRAWING STATUS:
DETAILED DESIGN

Notes and Specification

General

- ALL MATERIAL AND WORKMANSHIP MUST COMPLY WITH THE REQUIREMENTS OF THE LATEST RELEVANT SANS STANDARD.
- FINAL POSITION OF SERVICES TO BE DETERMINED ON SITE
- ALL DIMENSIONS ARE IN mm (UNLESS OTHERWISE SPECIFIED).
- DO NOT SCALE FROM THESE DRAWINGS
- CLASS OF CONCRETE UNLESS OTHERWISE SPECIFIED ON DRAWING DETAILS:
REINFORCED CLASS 30/19
THRUST BLOCKS CLASS 20/19
BLINDING CLASS 15/19
FLOOR SCREED SAND : CEMENT =3:1
- PRE-CAST CONCRETE RINGS AND COVER SLABS WITH SANS 1284
- JOINTS BETWEEN CONCRETE RINGS AND BETWEEN COVER SLABS AND BETWEEN RINGS AND FLOORS TO BE SEALED WITH BITUMEN SEALANT (APPROVED BY THE ENGINEER).
- SEWERS INSTALLED WITHIN ROAD RESERVE BOUNDARIES MUST BE POSITIONED IN ACCORDANCE WITH THE APPLICABLE SERVICES LAYOUT DRAWING.



STRUCTURE LIST- TABLE

STRUCTURE NAME	Y	X	DESCRIPTION
S64	-83 833.876	-2 636 643.611	Horizontal Bend
S65	-83 844.378	-2 636 639.139	Junction
S66	-83 877.817	-2 636 620.265	Junction
S67	-83 908.780	-2 636 602.789	Horizontal Bend
S68	-83 960.881	-2 636 695.628	Horizontal Bend
S69	-83 921.806	-2 636 717.683	Horizontal Bend
S70	-83 917.502	-2 636 708.151	Junction
S71	-83 882.646	-2 636 723.889	Horizontal Bend
S72	-83 922.481	-2 636 627.202	Double House Connection
S73	-83 948.222	-2 636 673.070	Double House Connection
S74	-83 921.806	-2 636 717.683	Double House Connection
S75	-83 913.654	-2 636 699.631	Double House Connection
S76	-83 897.249	-2 636 663.299	Double House Connection
S77	-83 896.462	-2 636 661.556	Double House Connection
S78	-83 889.655	-2 636 646.483	Double House Connection
S79	-83 888.909	-2 636 644.829	Single House Connection
S80	-83 856.531	-2 636 666.054	Double House Connection
S81	-83 874.531	-2 636 705.916	Double House Connection
S82	-83 883.848	-2 636 723.346	Double House Connection
S83	-83 957.320	-2 636 697.638	Single House Connection

STRUCTURE LIST- TABLE

STRUCTURE NAME	Y	X	DESCRIPTION
S84	-83 914.289	-2 636 701.037	Single House Connection
S85	-83 861.408	-2 636 769.008	Junction
S86	-83 872.246	-2 636 778.961	Junction
S87	-83 882.291	-2 636 770.681	Horizontal Bend
S88	-83 898.010	-2 636 789.550	Double House Connection
S89	-83 930.253	-2 636 828.255	Double House Connection
S90	-83 946.524	-2 636 847.787	Horizontal Bend
S91	-83 927.134	-2 636 863.757	Horizontal Bend
S92	-83 924.246	-2 636 860.290	Horizontal Bend
S93	-83 913.748	-2 636 868.936	Horizontal Bend
S94	-83 903.122	-2 636 855.090	Double House Connection
S95	-83 898.508	-2 636 849.081	Double House Connection
S96	-83 883.358	-2 636 829.352	Double House Connection
S97	-83 878.156	-2 636 822.578	Double House Connection
S98	-83 862.410	-2 636 802.073	Horizontal Bend
S99	-83 874.180	-2 636 781.491	Horizontal Bend
S100	-83 945.112	-2 636 848.951	Single House Connection
S101	-83 914.975	-2 636 867.925	Single House Connection
S102	-83 868.295	-2 636 791.782	Single House Connection
S103	-83 862.466	-2 636 764.024	Pipe connection

STRUCTURE LIST- TABLE

STRUCTURE NAME	Y	X	DESCRIPTION
S104	-83 858.039	-2 636 761.708	Junction
S105	-83 860.406	-2 636 757.183	Horizontal Bend
S106	-83 857.320	-2 636 747.325	Horizontal Bend
S107	-83 850.634	-2 636 749.419	Horizontal Bend
S108	-83 825.326	-2 636 775.019	Double House Connection
S109	-83 794.205	-2 636 806.500	Single House Connection
S110	-83 791.659	-2 636 809.076	Horizontal Bend
S111	-83 791.692	-2 636 814.944	Horizontal Bend
S112	-83 824.149	-2 636 814.944	Single House Connection
S113	-83 833.418	-2 636 814.948	Junction
S114	-83 854.627	-2 636 774.684	Single House Connection
S115	-83 851.969	-2 636 773.311	Single House Connection
S116	-83 850.320	-2 636 850.958	Double House Connection
S117	-83 857.256	-2 636 865.737	Junction
S118	-83 882.977	-2 636 889.188	Single House Connection
S119	-83 895.465	-2 636 900.575	Junction
S120	-83 895.248	-2 636 895.873	Horizontal Bend
S121	-83 912.576	-2 636 895.074	Double House Connection
S122	-83 956.195	-2 636 893.060	Horizontal Bend
S123	-83 957.548	-2 636 922.379	Single House Connection

STRUCTURE LIST- TABLE

STRUCTURE NAME	Y	X	DESCRIPTION
S124	-83 957.619	-2 636 923.915	Horizontal Bend
S125	-83 957.117	-2 636 924.466	Horizontal Bend
S126	-83 936.370	-2 636 934.203	Double House Connection
S127	-83 934.367	-2 636 935.143	Horizontal Bend
S128	-83 987.140	-2 636 936.862	Horizontal Bend

PIPE LIST-Table

PIPE NAME	LENGTH TO INSIDE EDGES	DIAMETER AND CLASS
P64 (2)	42.99m	75mm PN12
P65	13.83m	75mm PN12
P66	12.26m	75mm PN12
P67	23.81m	75mm PN12
P68	49.62m	75mm PN12
P69	24.67m	75mm PN12
P70	1.08m	75mm PN12
P70 (1)	22.54m	75mm PN12
P71	3.76m	75mm PN12
P72	11.26m	75mm PN12
P72 (1)	0.84m	75mm PN12
P73	16.70m	75mm PN12
P74	6.83m	75mm PN12
P75	24.12m	75mm PN12
P76	7.79m	75mm PN12
P77	25.10m	75mm PN12
P78	11.07m	75mm PN12
P78 (1)	11.10m	75mm PN12
P79	2.40m	75mm PN12
P80	4.20m	75mm PN12

PIPE LIST-Table

PIPE NAME	LENGTH TO INSIDE EDGES	DIAMETER AND CLASS
P81	4.36m	75mm PN12
P82	9.42m	75mm PN12
P83	6.26m	75mm PN12
P84	35.20m	75mm PN12
P85	43.52m	75mm PN12
P86	2.87m	75mm PN12
P87	4.96m	75mm PN12
P88	31.70m	75mm PN12
P89	8.52m	75mm PN12
P90	44.71m	75mm PN12
P91	2.24m	75mm PN12
P92	12.34m	75mm PN12
P93	38.95m	75mm PN12
P94	15.54m	75mm PN12
P95	34.03m	75mm PN12
P96	16.15m	75mm PN12
P97	3.80m	75mm PN12
P98	16.60m	75mm PN12
P99	42.91m	75mm PN12
P100	28.60m	75mm PN12

PIPE LIST-Table

PIPE NAME	LENGTH TO INSIDE EDGES	DIAMETER AND CLASS
P56	10.63m	75mm PN12
P57	37.65m	75mm PN12
P58	34.80m	75mm PN12
P59	27.25m	75mm PN12
P59 (1)	51.85m	75mm PN12
P59 (2)	25.12m	75mm PN12
P60	3.34m	75mm PN12
P60 (1)	40.03m	75mm PN12
P61	9.71m	75mm PN12
P62	7.02m	75mm PN12
P62 (1)	39.11m	75mm PN12
P62 (2)	0.76m	75mm PN12
P62 (3)	1.16m	75mm PN12
P62 (4)	15.79m	75mm PN12
P62 (5)	1.06m	75mm PN12
P62 (6)	26.20m	75mm PN12
P63	36.17m	75mm PN12
P63 (1)	0.57m	75mm PN12
P64	18.97m	75mm PN12
P64 (1)	28.78m	75mm PN12

PIPE LIST-Table

PIPE NAME	LENGTH TO INSIDE EDGES	DIAMETER AND CLASS
P101	0.78m	75mm PN12
P102	0.14m	75mm PN12
P103	22.06m	75mm PN12
P104	1.46m	75mm PN12
P105	36.48m	75mm PN12
P106	35.42m	75mm PN12

REV	DRAWINGS TITLE	CHK	APP
	REFERENCE DRAWINGS		

REV	DESCRIPTION	DATE	CHK	APP
	REVISIONS			

PROFESSIONAL SERVICE PROVIDER

AES consulting

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Fauna Park,
0787
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	NAME	PR. NUMBER	SIGNATURE	DATE
DESIGNED	GEORGE T VALENGA			20-05-2021
DRAWN	GEORGE T VALENGA			25-05-2021
CHECKED	CUTHBERT NGAWONGWE			29-05-2021
PROJ. ENGINEER				
PROJ. MANAGER				
APPROVED				

CLIENT APPROVAL

TITLE	INITIAL	SIGNATURE	DATE
GENERAL MANAGER			
PROJECT MANAGER			
PROJECT ENGINEER			

CLIENT

LIMPOPO
PROVINCIAL GOVERNMENT
HUMAN SETTLEMENTS & TRADITIONAL AFFAIRS

CoGhSTA
20 Raba Street
Polokwane
0699

Tel: 015 294 2203
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PROJECT / DRAWING TITLE

TALANA COMMUNITY
RESIDENTIAL UNITS

ERF 146 WATER LAYOUT

SCALE: NOT TO SCALE	SHT. No. OF -
CONTRACT No. -	PROJECT No. -
DRAWING No. AES-COGHSTA-TORU-C-302	