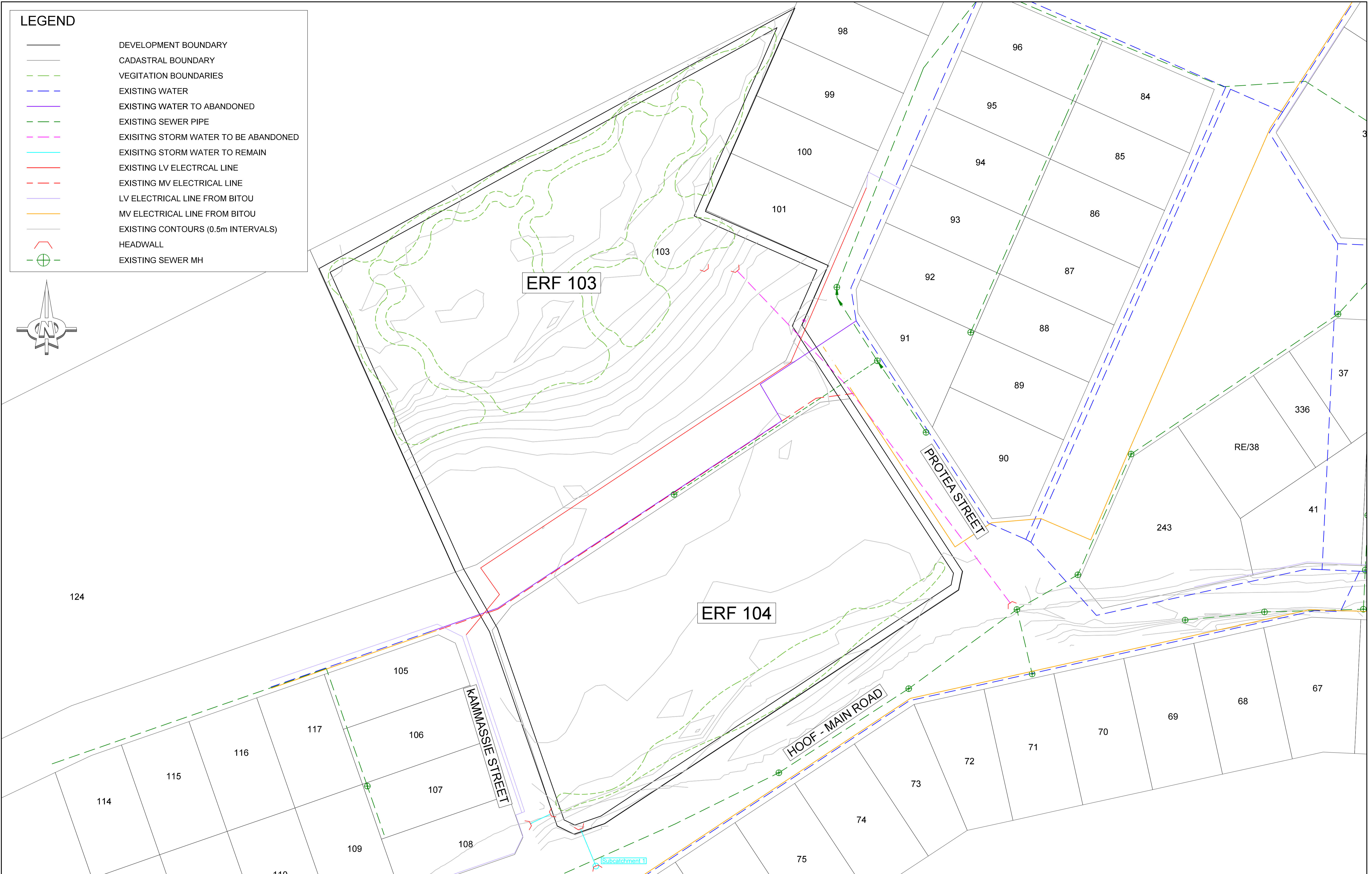
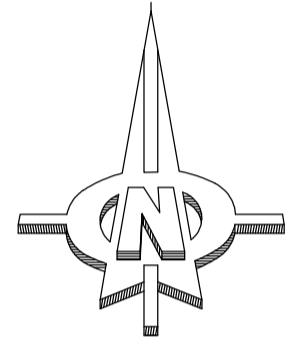


LEGEND

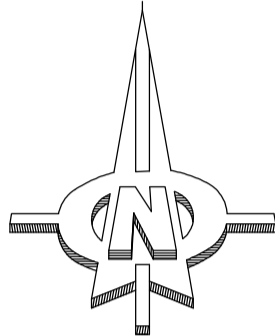
- DEVELOPMENT BOUNDARY
- CADASTRAL BOUNDARY
- - - VEGETATION BOUNDARIES
- - - EXISTING WATER
- - - EXISTING WATER TO ABANDONED
- - - EXISTING SEWER PIPE
- - - EXISTING STORM WATER TO BE ABANDONED
- - - EXISTING STORM WATER TO REMAIN
- - - EXISTING LV ELECTRICAL LINE
- - - EXISTING MV ELECTRICAL LINE
- - - LV ELECTRICAL LINE FROM BITOU
- - - MV ELECTRICAL LINE FROM BITOU
- - - EXISTING CONTOURS (0.5m INTERVALS)
- - - HEADWALL
- ⊕ EXISTING SEWER MH



<p>UMMKELO</p>	<p>"AS BUILT" - NOTES</p>	<p>UTSHINTSHO / AMENDMENTS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>INANI NO.</th> <th>UMHLA DATE</th> <th>INKCAZA DESCRIPTION</th> <th>IVUNYELWE APPROVED</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	INANI NO.	UMHLA DATE	INKCAZA DESCRIPTION	IVUNYELWE APPROVED																	<p>UMLINGANISELO SCALE</p> <p style="text-align: center;"> </p>	<p>UMLINGANISELO WOMZOBO OHLISWEYO SCALE ON REDUCED DRAWING</p>	<p>UMENZI DESIGN</p> <p>UMZOBHI DRAWN</p> <p>IVUNYELWE APPROVED</p> <p>UMHLA DATE</p>	<p>SM</p> <p>TF</p> <p>SM</p> <p>FEB 2020</p>		<p>IVUNYELWE APPROVED</p> <p>INJINELI/ENG.</p> <p>UMHLA / DATE</p>	<p>IVUNYELWE APPROVED</p> <p>UMENZELWA / CLIENT</p> <p>UMHLA / DATE</p>	<p>7 Upper Dickens Street Central Port Elizabeth 6000 tel/fax: (041) 373 1843</p>	<p>I PROJETHI / PROJECT</p> <p>PROPOSED SEVEN OAKS RETIREMENT VILLAGE, ERF 103 & 104 WITTEDRIFT</p> <p>UMZOBONKCAZA / DWG DESCRIPTION</p> <p>LAYOUT PLAN AND EXISTING SERVICES</p>	<p>INANI LESIVUMELWANO CONTRACT NO.</p> <p>INANI LOMZOBO DWG. NO.</p> <p>1692-R-001</p>
INANI NO.	UMHLA DATE	INKCAZA DESCRIPTION	IVUNYELWE APPROVED																													

LEGEND

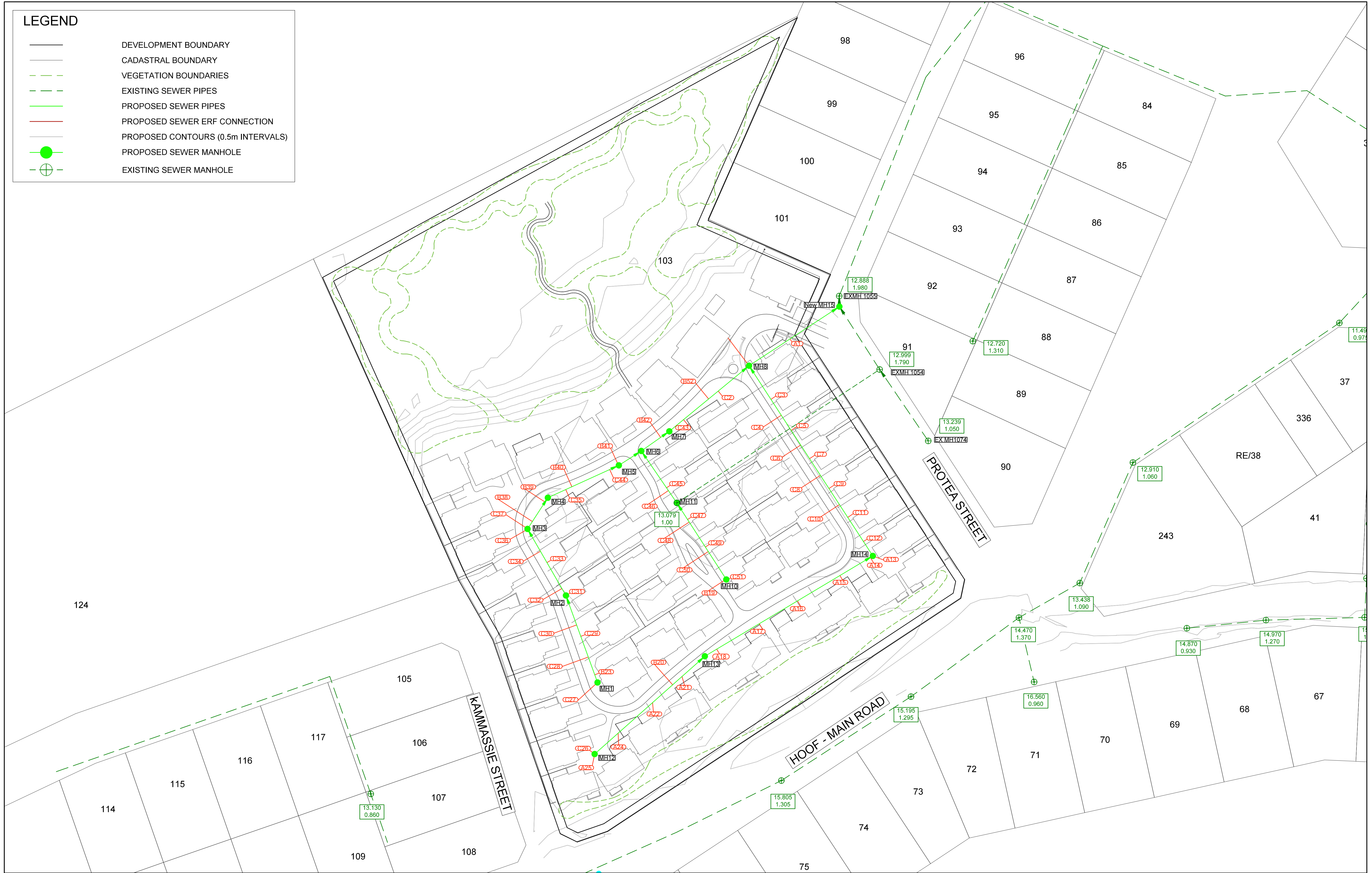
- DEVELOPMENT BOUNDARY
- CADASTRAL BOUNDARY
- VEGETATION BOUNDARIES
- EXISTING WATER
- PROPOSED WATER
- PROPOSED WATER ERF CONNECTION
- EXISTING WATER TO BE RELOCATED
- PROPOSED CONTOURS (0.5m INTERVALS)
- PROPOSED WATER NODE
- PROPOSED FIRE HYDRANT



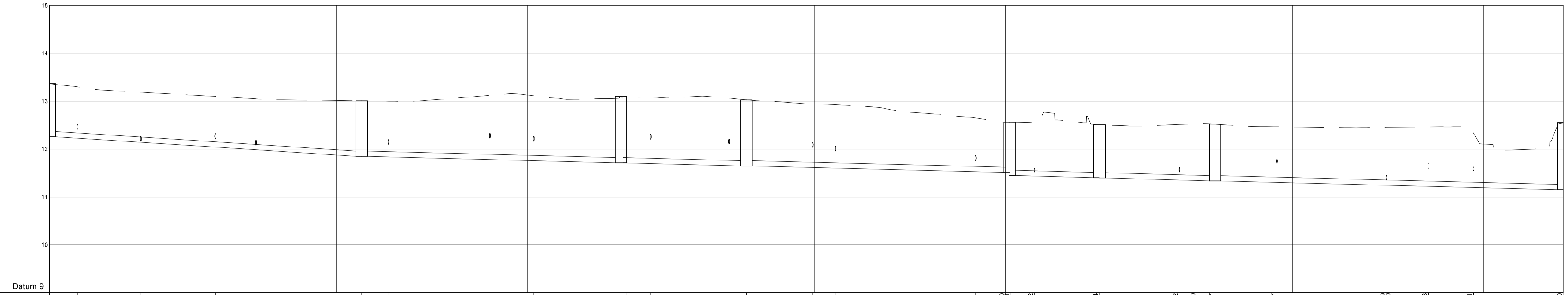
"UMKHELO"	"AS BUILT" NOTES	UTSHINTSHO / AMENDMENTS	UMLINGANISELO SCALE	UMLINGANISELO WOMZOBO OHLISWEYO SCALE ON REDUCED DRAWING	UMENZI DESIGN	SM		IVUNYELWE APPROVED	IVUNYELWE APPROVED	 7 Upper Dickens Street Central Port Elizabeth 6000 telfax: (041) 373 1843	IPROJETHI / PROJECT PROPOSED SEVEN OAKS RETIREMENT VILLAGE, ERF 103 & 104 WITTEDRIFT UMZOBONKCAZA / DWG DESCRIPTION WATER RETICULATION LAYOUT	INANI LESIVUMELWANO CONTRACT NO. INANI LOMZOBO DWG.NO. 1692-R-100
INANI NO.	UMHLA DATE	INKCAZA DESCRIPTION	IVUNYELWE APPROVED	50mm KUMZOBO WANGAPHAMBILI 50mm ON ORIGINAL DRAWING	UMZOBI DRAWN	TF		INJINILI/ENG.	UMENZELWA / CLIENT	UMHLA / DATE	UMHLA / DATE	UMKHELO ISSUE
1					IVUNYELWE APPROVED	SM		UMHLA / DATE	UMHLA / DATE	UMHLA / DATE	UMHLA / DATE	
					UMHLA DATE	FEB 2020						

LEGEND

- DEVELOPMENT BOUNDARY
- CADASTRAL BOUNDARY
- - - VEGETATION BOUNDARIES
- - - EXISTING SEWER PIPES
- PROPOSED SEWER PIPES
- PROPOSED SEWER ERF CONNECTION
- PROPOSED CONTOURS (0.5m INTERVALS)
- PROPOSED SEWER MANHOLE
- ⊕ EXISTING SEWER MANHOLE

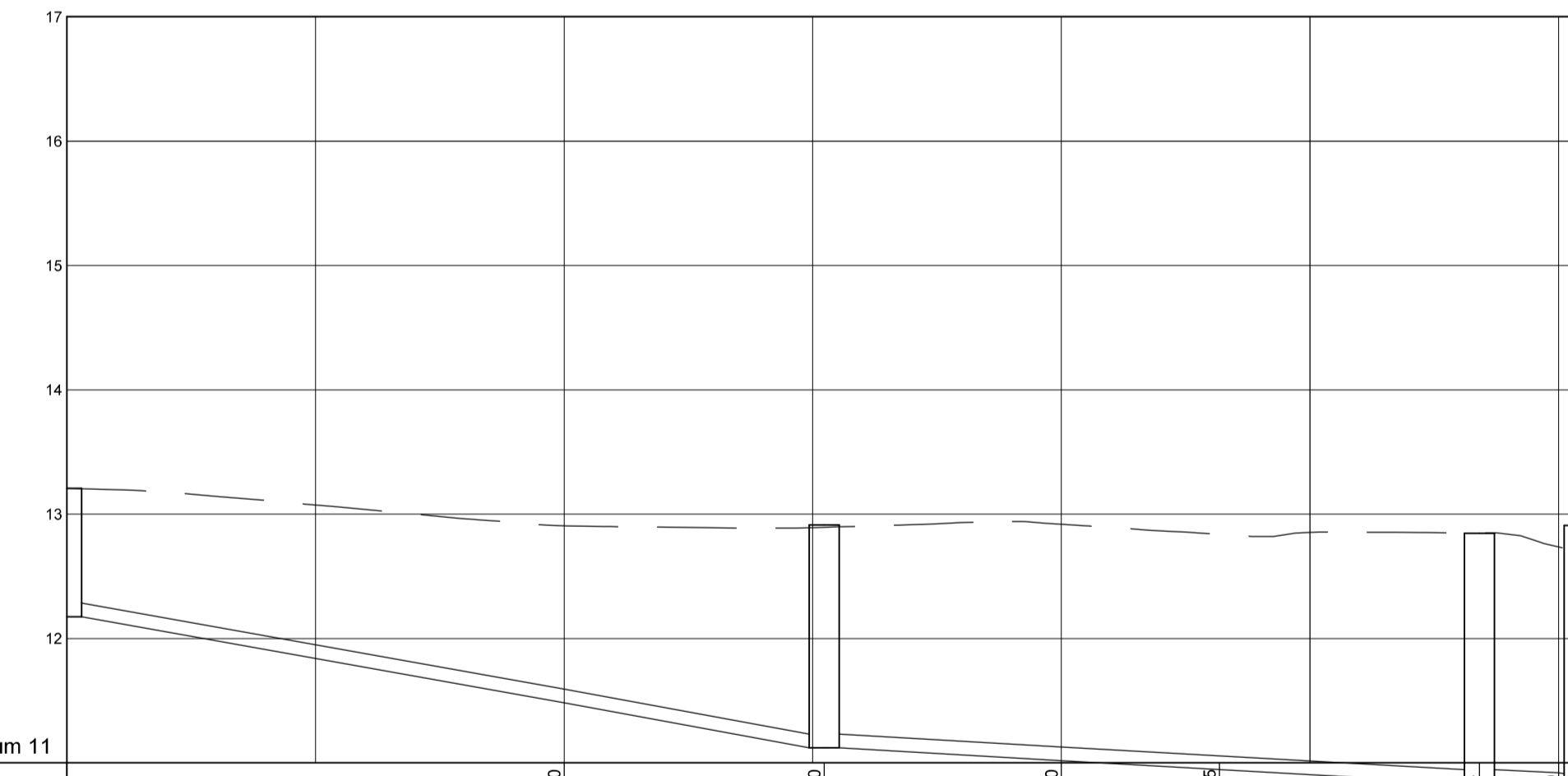


<p>"UMKHELO"</p>	<p>"AS BUILT" - NOTES</p>	<p>UTSHINTSHO / AMENDMENTS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>INANI NO.</th> <th>UMHLA DATE</th> <th>INKCAZA DESCRIPTION</th> <th>IVUNYELWE APPROVED</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	INANI NO.	UMHLA DATE	INKCAZA DESCRIPTION	IVUNYELWE APPROVED																	<p>UMLINGANISELO SCALE</p> <p style="text-align: center;">1: 600</p>	<p>UMLINGANISELO WOMZOBO OHLISWEYO SCALE ON REDUCED DRAWING</p> <div style="text-align: center;"> <p>50mm KUMZOBO WANGAPHAMBILI 50mm ON ORIGINAL DRAWING</p> </div>	<p>UMENZI DESIGN</p> <p>UMZOBHI DRAWN</p> <p>IVUNYELWE APPROVED</p> <p>UMHLA DATE</p>	<p>SM</p> <p>TF</p> <p>SM</p> <p>FEB 2020</p>		<p>IVUNYELWE APPROVED</p> <p>INJINELI/ENG.</p> <p>UMHLA / DATE</p>	<p>IVUNYELWE APPROVED</p> <p>UMENZELWA / CLIENT</p> <p>UMHLA / DATE</p>	<p style="text-align: center;"></p> <p>7 Upper Dickens Street Central Port Elizabeth 6000 tel/fax: (041) 373 1843</p>	<p>I PROJETHI / PROJECT</p> <p>PROPOSED SEVEN OAKS RETIREMENT VILLAGE, ERF 103 & 104 WITTEDRIFT</p> <p>UMZOBONKCAZA / DWG DESCRIPTION</p> <p>SEWER RETICULATION LAYOUT</p>	<p>INANI LESIVUMELWANO CONTRACT NO.</p> <p>INANI LOMZOBO DWG. NO.</p> <p>1692-R-200</p>
INANI NO.	UMHLA DATE	INKCAZA DESCRIPTION	IVUNYELWE APPROVED																													



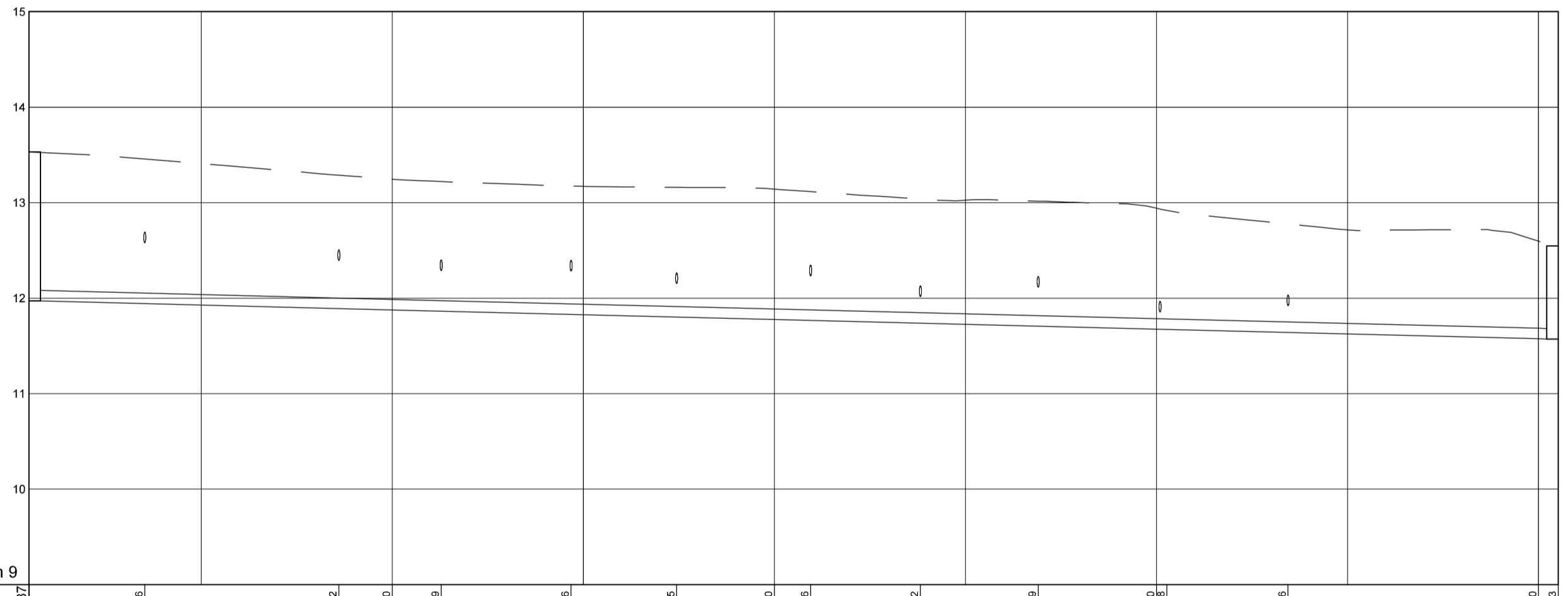
Chainage	0.000	2.909	9.546	17.331	20.000	21.592	32.045	35.489	40.000	46.059	50.843	60.927	62.871	71.075	72.896	79.833	82.228	96.882	100.000	103.012	109.824	118.162	120.000	121.887	128.387	138.858	144.228	148.051	158.320
Manhole Name	MH1						MH2					MH3			MH4				MH5		MH6			MH7					MH8
Ground Level	13.366	13.298	13.187	13.099	13.068	13.048	13.006	12.989	13.026	13.122	13.112	13.002	13.088	13.062	13.026	12.833	12.855	12.926	12.648	12.545	12.507	12.513	12.529	12.519	12.465	12.454	12.462	12.330	12.541
Cover Level	13.366						13.006					13.002			13.026				12.657	12.587	12.507			12.519					12.541
Invert Level	12.256				12.008		11.860			11.813		11.714		11.613		11.513			11.511	11.511	11.402	11.384	11.344	11.334	11.334	11.243			11.330
Depth	1.108				1.060		1.156			1.213		1.288		1.377		1.322			1.046	1.036	1.105	1.123	1.185	1.185	1.108	1.211			1.216
Length / Slope		32.847 m							27.113 m				13.138 m			27.525 m			9.404 m		12.073 m							36.424 m	
Flow		0.025 l/s							0.125 l/s				0.225 l/s			0.275 l/s			0.324 l/s		0.574 l/s							0.574 l/s	
Capacity		7.270 l/s							4.598 l/s				4.598 l/s			4.598 l/s			4.598 l/s		4.778 l/s							4.598 l/s	
Velocity		0.232 m/s							0.245 m/s				0.290 m/s			0.307 m/s			0.324 m/s		0.392 m/s							0.381 m/s	

Manhole MH1 to MH8



Chainage	0.000	20.000	30.450	40.000	48.355
Manhole Name	EX MH 1074		EX MH 1054		New MH 15
Ground Level				13.311	12.996
Cover Level				12.919	12.890
Invert Level	12.078	11.485	11.123	11.019	10.805
Depth	1.031	-11.485	1.790	1.895	2.191
Length / Slope		30.478 m		26.356 m	4.008 m
Flow		0.033 l/s		0.067 l/s	1.240 l/s
Capacity		12.102 l/s		6.774 l/s	5.810 l/s
Velocity		0.386 m/s		0.277 m/s	0.559 m/s

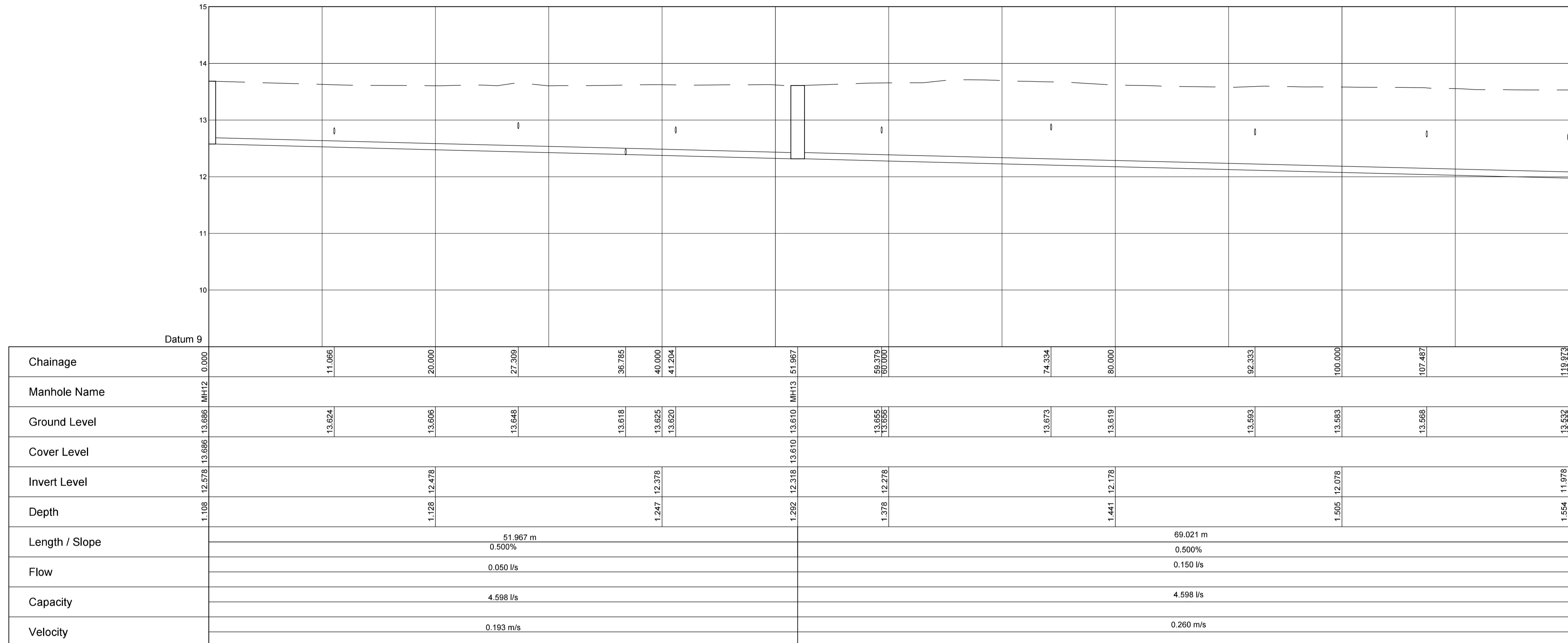
Manhole EX MH1074 to EXMH 1055



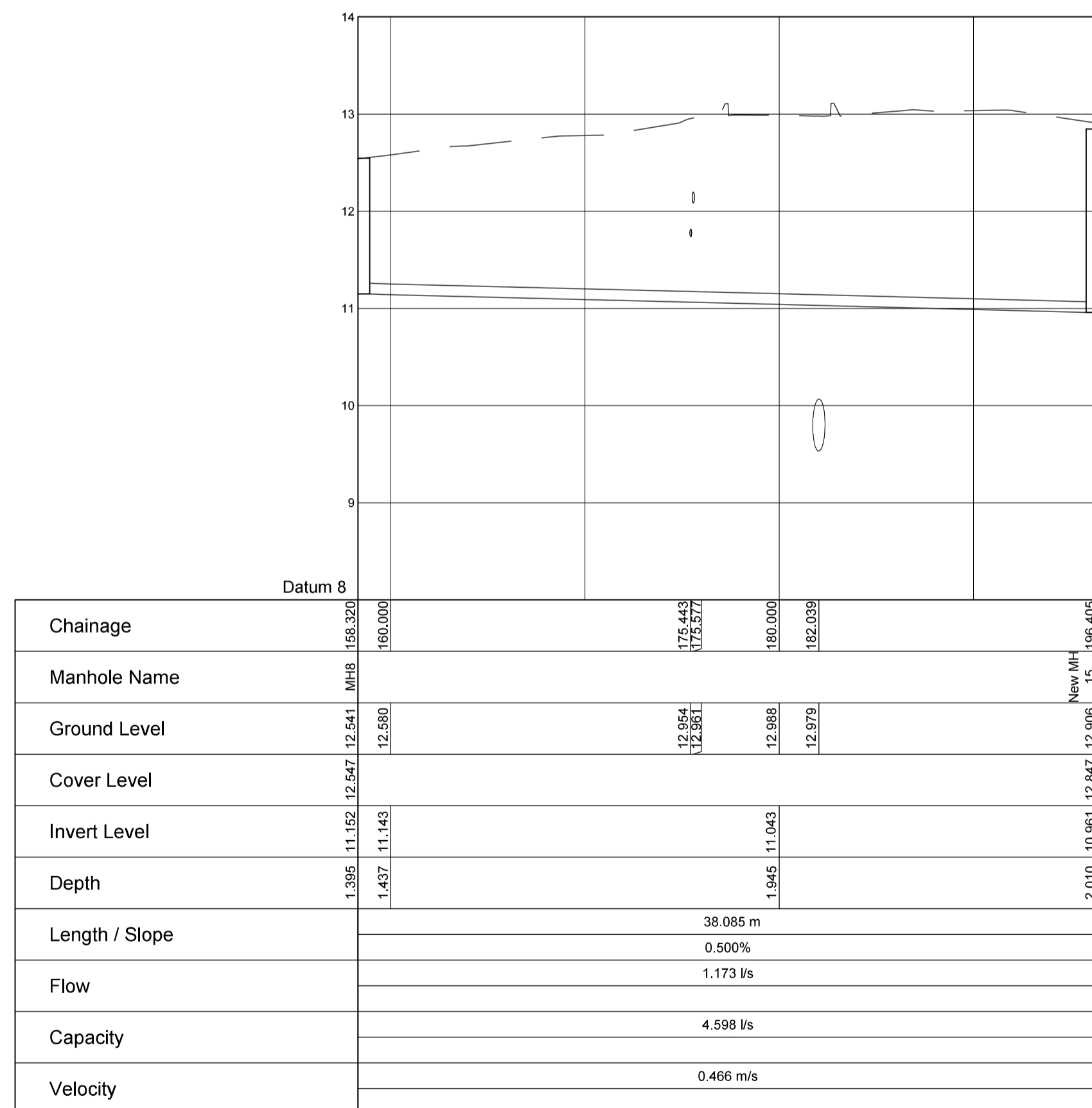
Chainage	120.887	127.248	132.202	140.000	142.859	149.395	154.885	160.000	161.896	167.542	173.899	180.000	180.108	186.896	200.000
Manhole Name	MH14														MH8
Ground Level	13.457	13.288	13.245	13.221	13.175	13.160	13.142	13.116	13.039	13.016	12.932	12.892	12.892	12.778	12.541
Cover Level															
Invert Level	11.873	11.873	11.775	11.775	11.673	11.673	11.575	11.575	11.473	11.473	11.375	11.375	11.375	11.273	11.541
Depth	1.559	1.385	1.472	1.446	1.502	1.487	1.567	1.541	1.600	1.543	1.600	1.517	1.517	1.505	1.000
Length / Slope							80.047 m								
Flow							0.299 l/s								0.574 l/s
Capacity							4.598 l/s								4.598 l/s
Velocity							0.316 m/s								0.381 m/s

Manhole MH14 to MH8

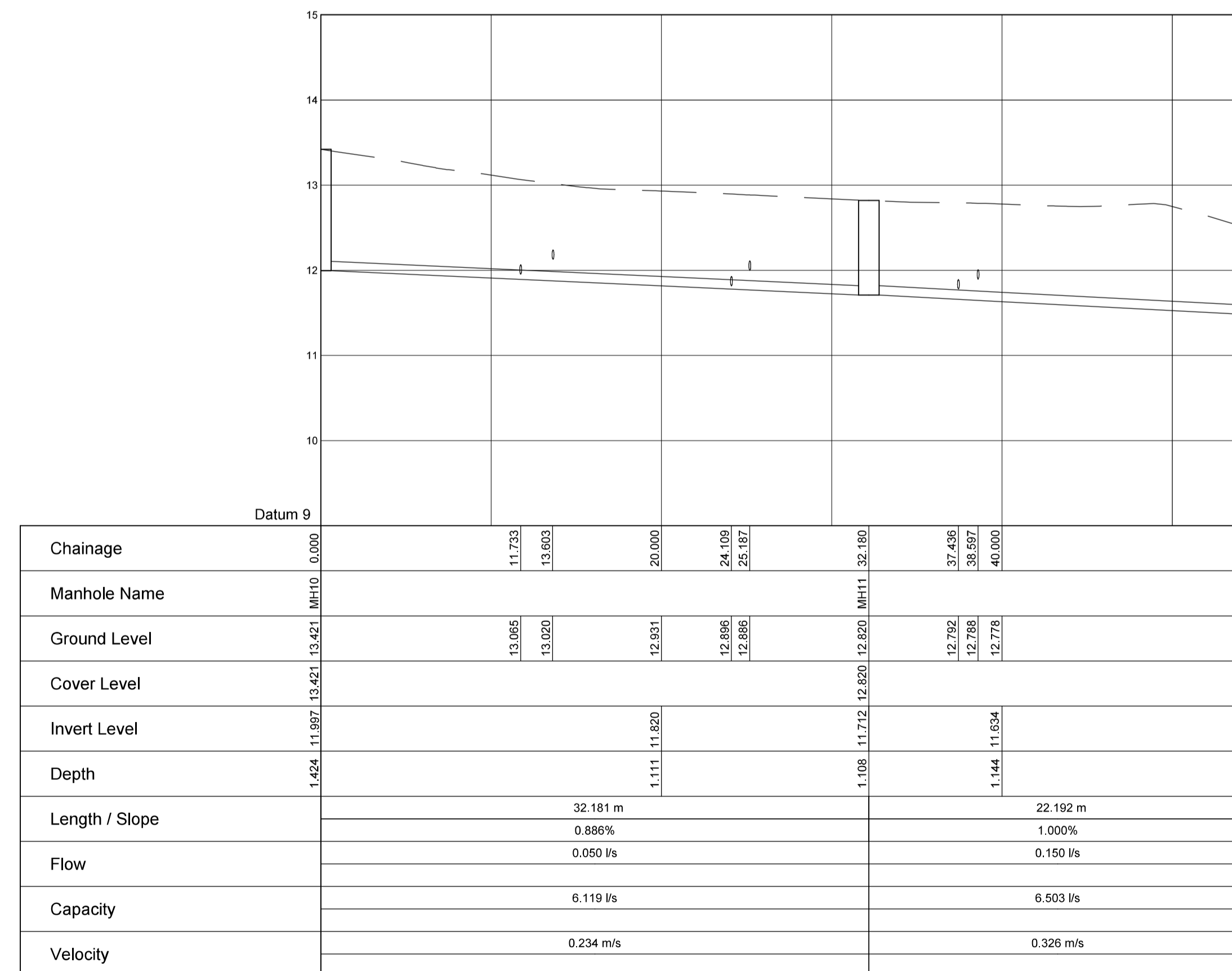
"UMNKELO"	"AS BUILT" - NOTES	UTSHINTSHO / AMENDMENTS				UMLINGAN-ISELO SCALE	UMLINGANISELO WOMZOBO OHLISWEYO SCALE ON REDUCED DRAWING	UMENZI DESIGN	SM	IVUNYELWE APPROVED	IVUNYELWE APPROVED	7 Upper Dickens Street Central Port Elizabeth 6000 tel/fax: (041) 373 1843	IPROJETHI / PROJECT PROPOSED SEVEN OAKS RETIREMENT VILLAGE, ERF 103 & 104 WITTEDRIFT UMZOBONKCAZA / DWG DESCRIPTION SEWER LONG SECTIONS (1 OF 3)	INANI LESIVUMELWANO CONTRACT NO. INANI LOMZOBO DWG. NO. 1692-R-202
		INANI NO.	UMHLA DATE	INKCAZA DESCRIPTION	IVUNYELWE APPROVED									



Manhole MH12 to MH14



Manhole MH8 to New MH15



Manhole MH10 to MH6

"UMNIKELO"	"AS BUILT" - NOTES	UTSHINTSHO / AMENDMENTS				UMLINGAN-ISELO SCALE	UMLINGANISELO WOMZOBO OHLISWEYO SCALE ON REDUCED DRAWING	UMENZI DESIGN	SM	IVUNYELWE APPROVED	IVUNYELWE APPROVED	<p>7 Upper Dickens Street Central Port Elizabeth 6000 tel/fax: (041) 373 1843</p>	I/PROJETHI / PROJECT	INANI LESIVUMELWANO CONTRACT NO.
		INANI NO.	UMHLA DATE	TINKCAZA DESCRIPTION	IVUNYELWE APPROVED									
												PROPOSED SEVEN OAKS RETIREMENT VILLAGE, ERF 103 & 104 WITTEDRIFT		INANI LOMZOBO DWG. NO. 1692-R-203
UMZOBONKCAZA / DWG DESCRIPTION SEWER LONG SECTIONS (2 OF 2)												UMNIKELO ISSUE		

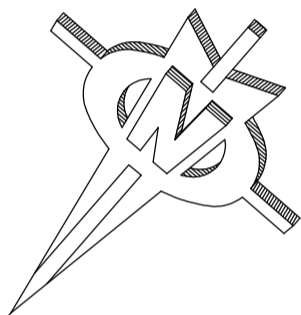
LEGEND

- DEVELOPMENT BOUNDARY
- CADASTRAL BOUNDARY
- PROPOSED ROAD
- PROPOSED CONTOURS (0.5m INTERVALS)
- PROPOSED SIDEWALKS
- VEGETATION BOUNDARIES



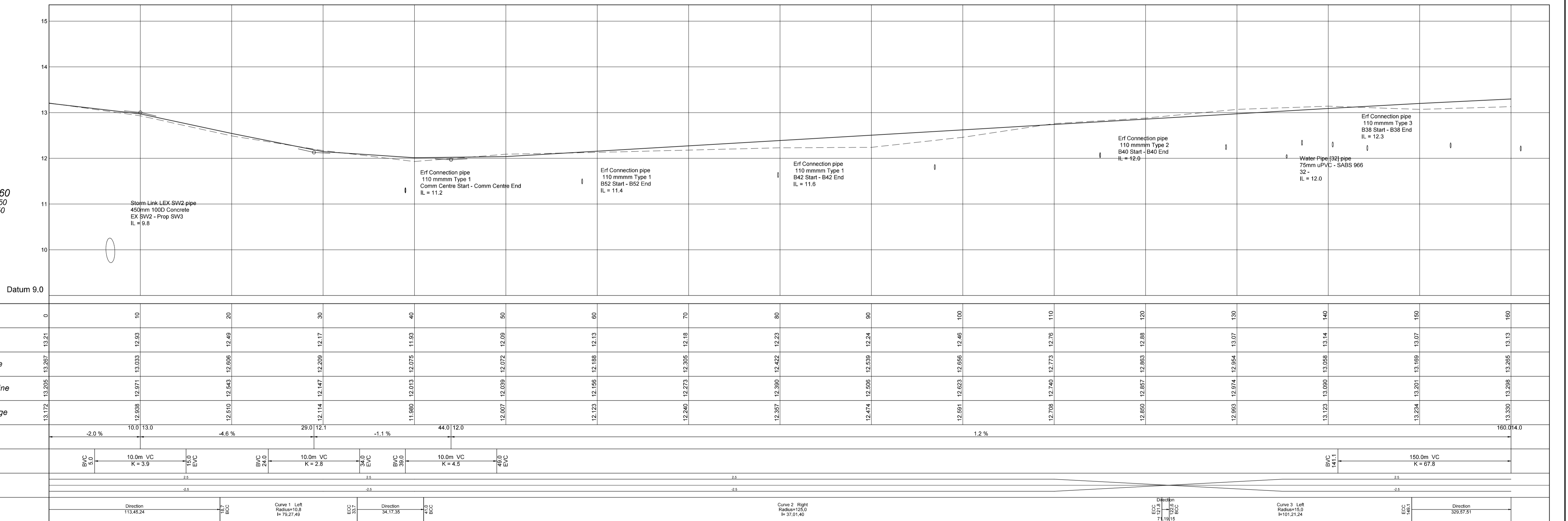
<p>"UMKHELO"</p>	<p>"AS BUILT" - NOTES</p>	<p>UTSHINTSHO / AMENDMENTS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>INANI NO.</th> <th>UMHLA DATE</th> <th>INKCAZA DESCRIPTION</th> <th>IVUNYELWE APPROVED</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	INANI NO.	UMHLA DATE	INKCAZA DESCRIPTION	IVUNYELWE APPROVED																	<p>UMLINGAN-ISELO SCALE</p> <p> 1: 600</p>	<p>UMLINGANISELO WOMZOBO OHLISWEYO SCALE ON REDUCED DRAWING</p> <p> 50mm KUMZOBO WANGAPHAMBILI 50mm ON ORIGINAL DRAWING</p>	<p>UMENZI DESIGN</p> <p>UMZOBHI DRAWN</p> <p>IVUNYELWE APPROVED</p> <p>UMHLA DATE</p>	<p>SM</p> <p>TF</p> <p>SM</p> <p>FEB 2020</p>		<p>IVUNYELWE APPROVED</p> <p>INJINELI/ENG.</p> <p>UMHLA / DATE</p>	<p>IVUNYELWE APPROVED</p> <p>UMENZELWA / CLIENT</p> <p>UMHLA / DATE</p>	<p>7 Upper Dickens Street Central Port Elizabeth 6000 tel/fax: (041) 373 1843</p>	<p>I PROJETHI / PROJECT</p> <p>PROPOSED SEVEN OAKS RETIREMENT VILLAGE, ERF 103 & 104 WITTEDRIFT</p> <p>UMZOBONKCAZA / DWG DESCRIPTION</p> <p>ROADS LAYOUT</p>	<p>INANI LESIVUMELWANO CONTRACT NO.</p> <p>INANI LOMZOBO DWG. NO.</p> <p>1692-R-300</p> <p>UMKHELO ISSUE</p>
INANI NO.	UMHLA DATE	INKCAZA DESCRIPTION	IVUNYELWE APPROVED																													

ROAD LIST				
POSITION	SV	Y-Coord	X-Coord	RADIUS
Start	0	-30858.56	3764643.28	0.00
BCC1	18.71	-30841.43	3764635.74	
PI1	26.22	-30833.19	3764632.12	10.83
ECC1	33.73	-30828.12	3764639.55	
BCC2	41.01	-30824.02	3764645.56	
PI2	81.40	-30800.44	3764680.15	125.00
ECC2	121.79	-30780.78	3764693.55	
BCC3	122.60	-30780.02	3764693.11	
ECC3	149.13	-30751.84	3764715.53	
BCC4	167.98	-30761.27	3764731.85	
PI4	170.99	-30762.78	3764734.46	31.75
ECC4	174.00	-30763.77	3764737.31	
PH0	398.70	-30825.21	3764648.23	
CENTRE ROAD				
POSITION	SV	Y-Coord	X-Coord	RADIUS
BCC3	49.27	-30800.17	3764701.44	
PI3	50.93	-30799.28	3764700.04	11.75
ECC3	52.59	-30798.77	3764698.44	
BCC4	54.75	-30798.14	3764696.38	
PI4	57.38	-30797.37	3764693.85	18.25
ECC4	60.00	-30795.91	3764691.64	
PI5	72.35	-30789.11	3764681.33	



SCALE 1: 250

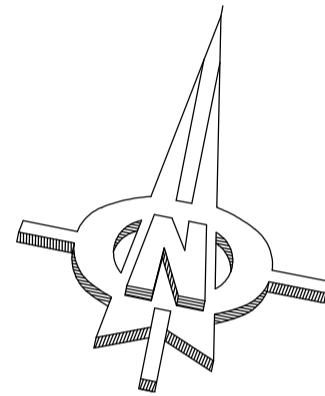
Chainage 0 to 160
Horizontal Scale 1: 250
Vertical Scale 1: 50



LONGSECTION CH 0 TO CH 160

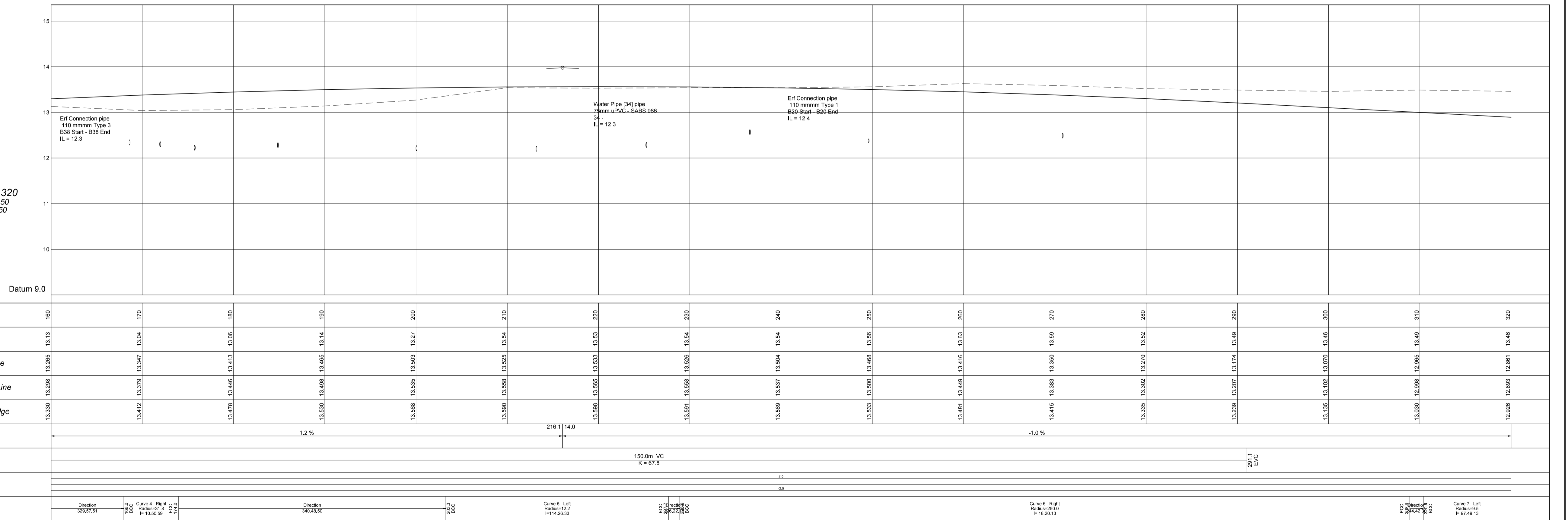
"UMNKELLO"		"AS BUILT" - NOTES		UTSHINTSHO / AMENDMENTS		UMLINGAN-ISELO SCALE		UMLINGANESELO WOMZOBO OHLISWEYO SCALE ON REDUCED DRAWING		UMENZI DESIGN		SM		IVUNYELWE APPROVED		IVUNYELWE APPROVED		I PROJETHI / PROJECT		INANI LESIVUMELWANO CONTRACT NO.	
INANI NO.	UMHLA DATE	INKCAZA DESCRIPTION	IVUNYELWE APPROVED	50mm KUMZOBO WANGAPHAMBILI 50mm ON ORIGINAL DRAWING		UMZOBHI DRAWN	TF			IVUNYELWE APPROVED	SM	INJINELI/ENG.	UMENZELWA / CLIENT			7 Upper Dickens Street Central Port Elizabeth 6000 tel/fax: (041) 373 1843		PROPOSED SEVEN OAKS RETIREMENT VILLAGE, Central Port Elizabeth ERF 103 & 104 WITTEDRIFT		INANI LOMZOBO DWG. NO. 1692-R-301	
																		ROAD LONG SECTIONS (1 OF 4)			UMNKELLO ISSUE

ROAD LIST				
RING ROAD				
POSITION	SV	Y-Coord	X-Coord	RADIUS
BCC4	167.98	-30761.27	3764731.85	
PI4	170.99	-30762.78	3764734.46	31.75
ECC4	174.00	-30763.77	3764737.31	
BCC5	203.27	-30773.33	3764734.96	
ECC5	227.69	-30793.37	3764769.79	
BCC6	228.90	-30794.25	3764768.95	
PI6	268.90	-30823.45	3764741.11	250.00
ECC6	308.91	-30859.94	3764723.37	
BCC7	310.37	-30861.26	3764723.25	
PI7	318.48	-30871.10	3764718.60	9.49
ECC7	326.58	-30865.16	3764709.48	
CENTRE ROAD				
POSITION	SV	Y-Coord	X-Coord	RADIUS
Start	1.30	-30828.04	3764740.36	0.00
BCC1	8.22	-30824.26	3764734.56	
PI1	9.01	-30823.83	3764733.90	10.50
ECC1	9.80	-30823.30	3764733.31	
BCC2	22.05	-30815.14	3764724.17	
PI2	22.84	-30814.61	3764723.58	10.50
ECC2	23.63	-30814.18	3764722.92	



SCALE 1: 250

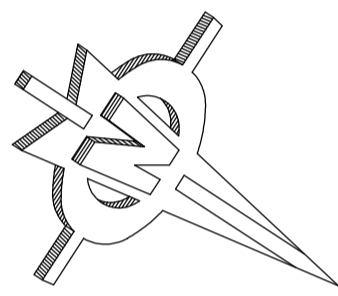
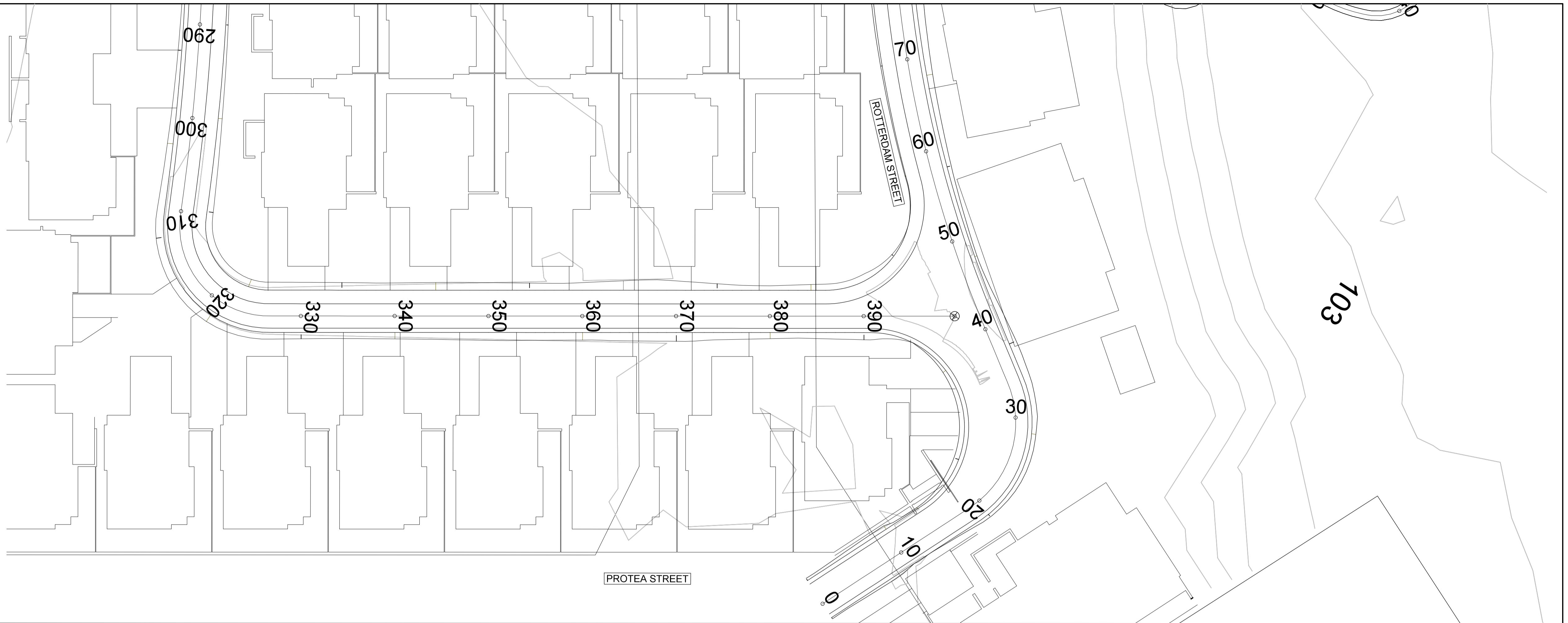
Chainage 160 to 320
Horizontal Scale 1: 250
Vertical Scale 1: 50



LONGSECTION CH 160 TO CH 320

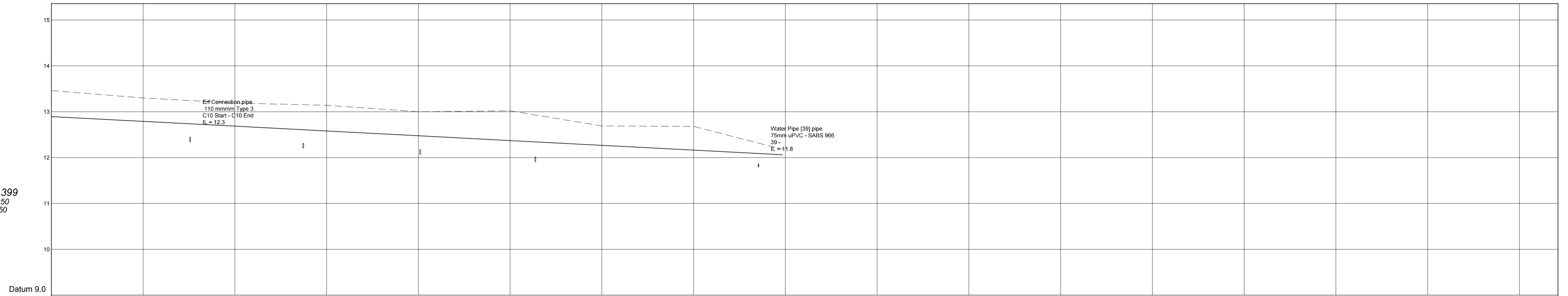
"UMNKELO"	"AS BUILT" - NOTES	UTSHINTSHO / AMENDMENTS				UMLINGANISELO WOMZOBO OHLISWEYO SCALE ON REDUCED DRAWING	UMENZI DESIGN SM	UMZONI DRAWN TF	IVUNYELWE APPROVED SM	UMHLA DATE FEB 2020	UMHLA / DATE	IVUNYELWE APPROVED	UMHLA / DATE	IVUNYELWE APPROVED	UMHLA / DATE	7 Upper Dickens Street Central Port Elizabeth 6000 tel/fax: (041) 373 1843	IPROJETHI / PROJECT PROPOSED SEVEN OAKS RETIREMENT VILLAGE, ERF 103 & 104 WITTEDRIFT	INANI LESIVUMELWANO CONTRACT NO.
		INANI NO.	UMHLA DATE	INKCAZA DESCRIPTION	IVUNYELWE APPROVED													
ROAD LONG SECTIONS (2 OF 4)																UMNKELO ISSUE		

ROAD LIST				
Walkway				
POSITION	SV	Y-Coord	X-Coord	RADIUS
P19	84.53	-30763.63	3764600.41	3.00
ECC9	87.74	-30760.65	3764595.83	
P110	89.77	-30759.54	3764594.14	
RING ROAD				
POSITION	SV	Y-Coord	X-Coord	RADIUS
BCC1	18.71	-30841.43	3764635.74	
P11	26.22	-30833.19	3764632.12	10.83
ECC1	33.73	-30828.12	3764639.55	
BCC2	41.01	-30824.02	3764645.56	
P110	399.70	-30825.21	3764648.23	



SCALE 1: 250

Chainage 320 to 399
Horizontal Scale 1:250
Vertical Scale 1:50



Chainage		320	330	340	350	360	370	380	390	399.70	
Centreline Peg Levels		13.46	13.30	13.19	13.14	13.00	13.02	12.69	12.68	12.18	
Vertical Alignment	Design Road Levels	Left Edge	12.891	12.795	12.652	12.548	12.443	12.339	12.234	12.194	12.091
		Centre Line	12.926	12.789	12.685	12.601	12.476	12.371	12.267	12.162	12.091
		Right Edge	12.926	12.789	12.685	12.601	12.476	12.371	12.267	12.162	12.091
Grades		-1.0 %									
Vertical Curves											
Superelevation		±±									
Horizontal Curves		Curve 7 Left Radius = 97.4913 Direction 146.5317									

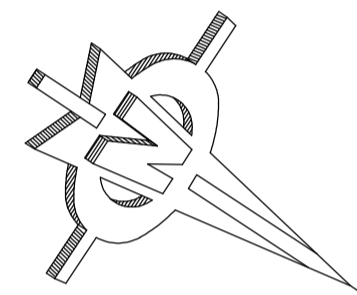
LONGSECTION CH 320 TO CH 399

"UMKHELO"	"AS BUILT" - NOTES	UTSHINTSHO / AMENDMENTS				UMLINGANISELO SCALE	UMLINGANISELO WOMZOBO OHLISWEYO SCALE ON REDUCED DRAWING	UMENZI DESIGN	SM	IVUNYELWE APPROVED	IVUNYELWE APPROVED	 7 Upper Dickens Street Central Port Elizabeth 6000 tel/fax: (041) 373 1843	I PROJETHI / PROJECT PROPOSED SEVEN OAKS RETIREMENT VILLAGE, ERF 103 & 104 WITTEDRIFT	INANI LESIVUMELWANO CONTRACT NO.
		INKCAZA DESCRIPTION	IVUNYELWE APPROVED	UMZOBHI DRAWN	TF			INJINELI/ENG.	UMENZELWA / CLIENT					
		UMHLA DATE	IVUNYELWE APPROVED	UMHLA DATE	SM	UMHLA DATE	IVUNYELWE APPROVED	UMHLA DATE	UMHLA DATE	UMHLA DATE	UMHLA DATE	UMHLA DATE	UMHLA DATE	UMHLA DATE
													ROAD LONG SECTIONS (3 OF 4)	UMKHELO ISSUE

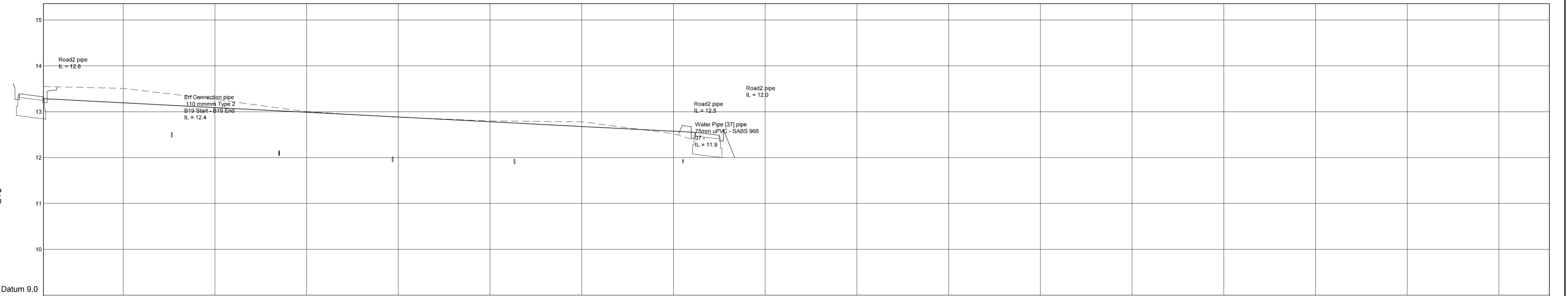
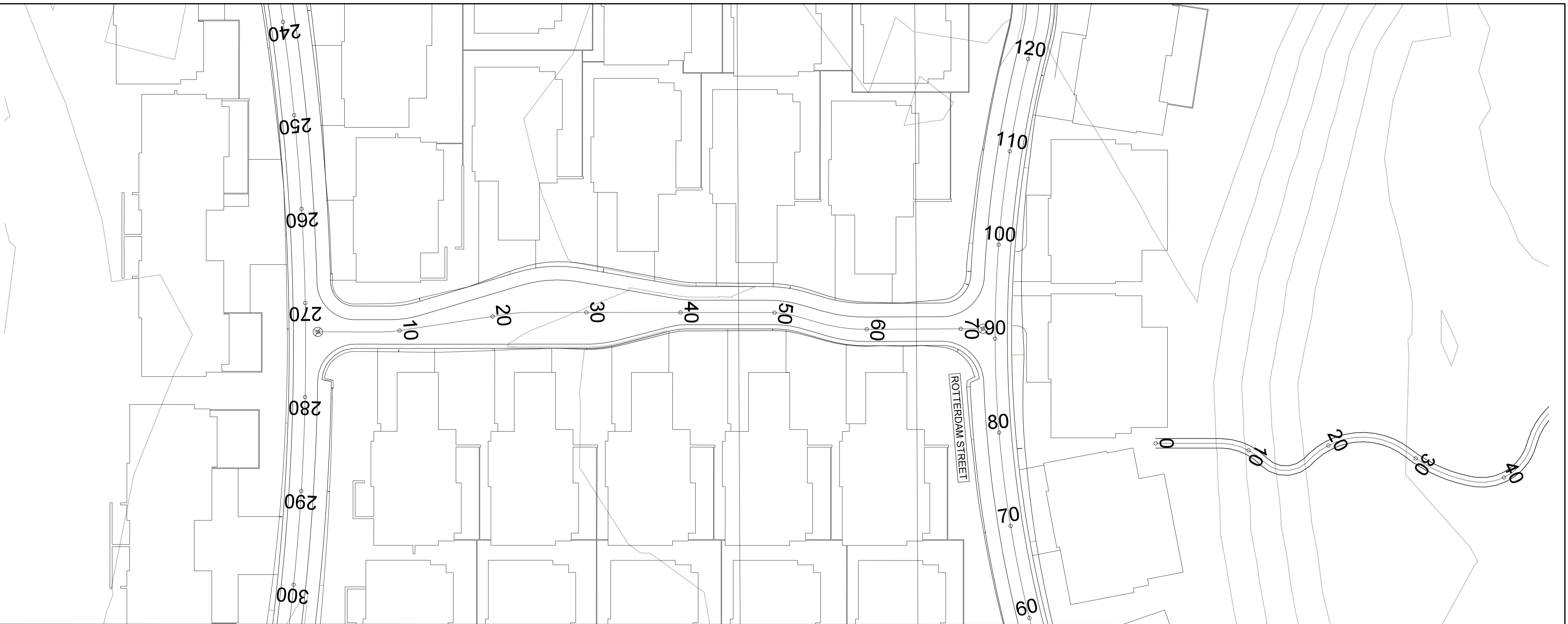
ROAD LIST				
CENTRE ROAD				
POSITION	SV	Y-Coord	X-Coord	RADIUS
PI0	0	-30789.28	3764659.30	0.00
BCC1	6.86	-30785.53	3764653.56	
PI1	9.42	-30784.06	3764651.29	6.50
ECC1	11.36	-30784.62	3764648.94	
BCC2	12.01	-30784.63	3764648.62	
PI2	14.63	-30785.33	3764645.34	3.30
ECC2	17.25	-30782.03	3764644.69	
BCC3	17.54	-30781.75	3764644.64	
PI3	23.16	-30775.02	3764643.32	7.80

RING ROAD				
POSITION	SV	Y-Coord	X-Coord	RADIUS
PI2	81.40	-30800.44	3764680.15	125.00
PI6	268.90	-30823.45	3764741.11	250.00

Road3				
POSITION	SV	Y-Coord	X-Coord	RADIUS
Start	1.30	-30828.04	3764740.36	0.00
BCC1	8.22	-30824.26	3764734.56	
PI1	9.01	-30823.83	3764733.90	10.50
ECC1	9.80	-30823.30	3764733.31	
BCC2	22.05	-30815.14	3764724.17	
PI2	22.84	-30814.61	3764723.58	10.50
ECC2	23.63	-30814.18	3764722.92	
BCC3	49.27	-30800.17	3764701.44	
PI3	50.93	-30799.26	3764700.04	11.75
ECC3	52.59	-30798.77	3764698.44	
BCC4	54.75	-30798.14	3764696.38	
PI4	57.38	-30797.37	3764693.85	18.25
ECC4	60.00	-30795.91	3764691.64	
PI5	72.35	-30789.11	3764681.33	



SCALE 1: 250



Chainage 1 to 72
Horizontal Scale 1: 250
Vertical Scale 1: 50

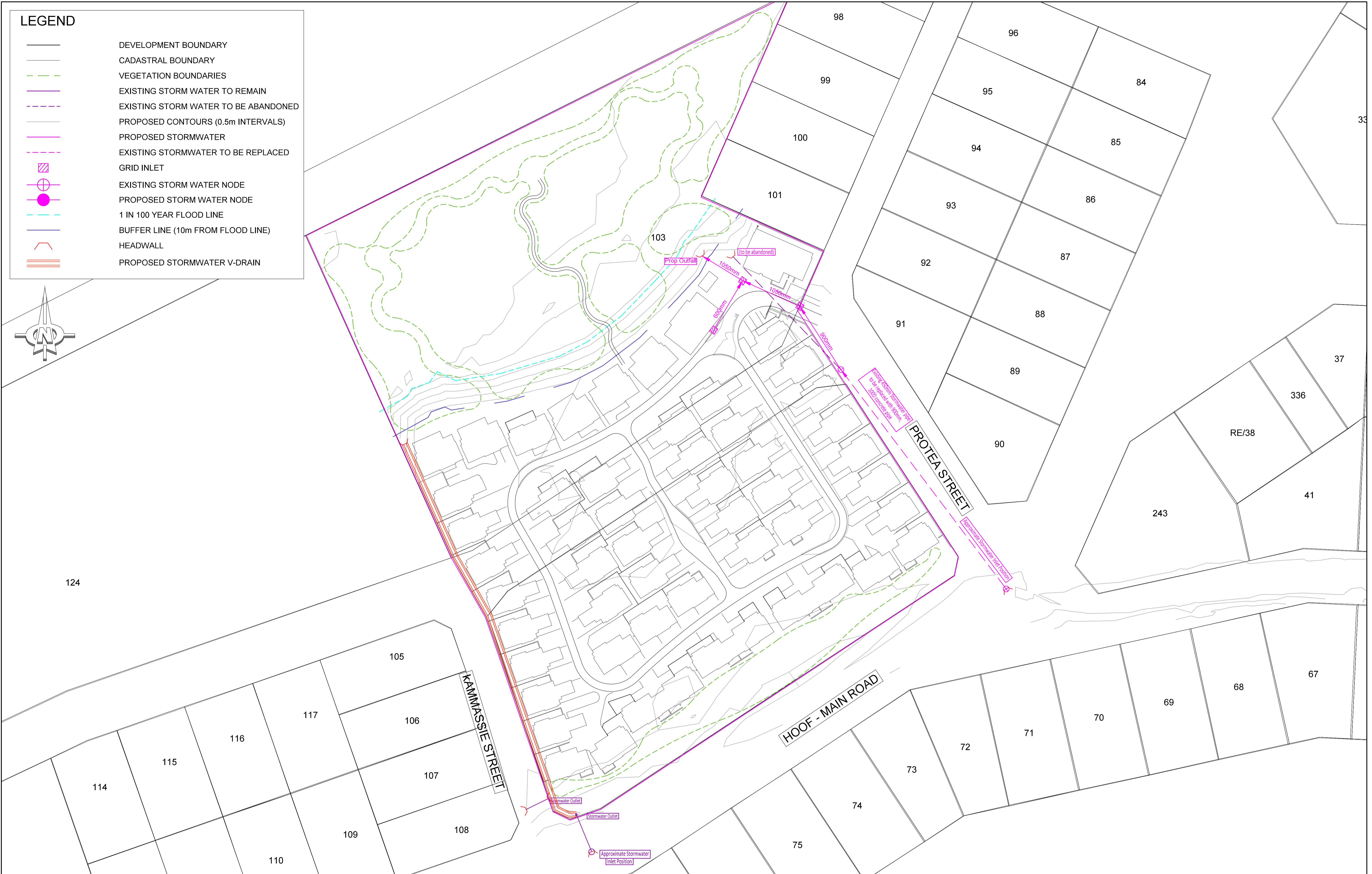
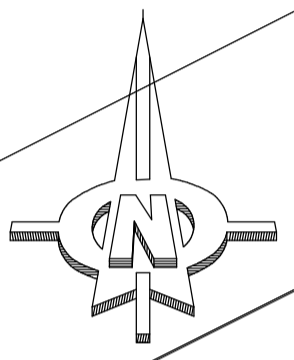
Datum 9.0

Chainage	1.30	10	20	30	40	50	60	70	72.35	
Centreline Peg Levels	13.55	13.51	13.27	13.00	12.88	12.80	12.78	12.52	12.38	
Vertical Alignment	Design Road Levels	Left Edge	13.320	13.224	13.149	13.096	12.920	12.814	12.621	12.52
		Centre Line	13.198	13.194	13.091	13.001	12.885	12.711	12.613	12.38
		Right Edge	13.016	13.011	12.916	12.808	12.685	12.511	12.413	12.38
Grades	-1.0 %									
Vertical Curves	--									
Superelevation	--									
Horizontal Curves	--									

LONGSECTION CH 1 TO CH 72

"UMKHELO" "AS BUILT" - NOTES	UTSHINTSHO / AMENDMENTS <table border="1" style="width: 100%;"> <tr> <th>INANI NO.</th> <th>UMHLA DATE</th> <th>INKCAZA DESCRIPTION</th> <th>IVUNYELWE APPROVED</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	INANI NO.	UMHLA DATE	INKCAZA DESCRIPTION	IVUNYELWE APPROVED					UMLINGAN-ISELO SCALE 	UMLINGANISELO WOMZOBO OHLISWEYO SCALE ON REDUCED DRAWING 	UMENZI DESIGN UMZOBHI DRAWN IVUNYELWE APPROVED UMHLA DATE FEB 2020	SM TF SM		IVUNYELWE APPROVED INJINELI/ENG. UMHLA / DATE	IVUNYELWE APPROVED UMENZELWA / CLIENT UMHLA / DATE	 7 Upper Dickens Street Central Port Elizabeth 6000 tel/fax: (041) 373 1843	IPROJETHI / PROJECT PROPOSED SEVEN OAKS RETIREMENT VILLAGE, ERF 103 & 104 WITTEDRIFT UMZOBONKCAZA / DWG DESCRIPTION ROAD LONG SECTIONS (4 OF 4)	INANI LESIVUMELWANO CONTRACT NO. INANI LOMZOBO DWG. NO. 1692-R-304 UMKHELO ISSUE
INANI NO.	UMHLA DATE	INKCAZA DESCRIPTION	IVUNYELWE APPROVED																

LEGEND	
	DEVELOPMENT BOUNDARY
	CADASTRAL BOUNDARY
	VEGETATION BOUNDARIES
	EXISTING STORM WATER TO REMAIN
	EXISTING STORM WATER TO BE ABANDONED
	PROPOSED CONTOURS (0.5m INTERVALS)
	PROPOSED STORMWATER
	EXISTING STORMWATER TO BE REPLACED
	GRID INLET
	EXISTING STORM WATER NODE
	PROPOSED STORM WATER NODE
	1 IN 100 YEAR FLOOD LINE
	BUFFER LINE (10m FROM FLOOD LINE)
	HEADWALL
	PROPOSED STORMWATER V-DRAIN



UTSHINTSHO / AMENDMENTS		UMLINGAN-ISELO SCALE	UMLINGANISELO WOMZOBO OHLISWEYO SCALE ON REDUCED DRAWING	UMENZI DESIGN	SM	IVUNYELWE APPROVED	IVUNYELWE APPROVED	I PROJETHI / PROJECT PROPOSED SEVEN OAKS RETIREMENT VILLAGE, ERF 103 & 104 WITTEDRIFT	INANI LESIVUMELWANO CONTRACT NO.
INANI NO.	UMHLA DATE	1: 600		UMZOBI DRAWN	TF	INJINELI/ENG.	UMENZELWA / CLIENT		
				IVUNYELWE APPROVED	SM	UMHLA / DATE	UMHLA / DATE	7 Upper Dickens Street Central Port Elizabeth 6000 tel/fax: (041) 373 1843	INANI LOMZOBO DWG. NO. 1692-R-400
				UMHLA DATE	FEB 2020				