



KOUGA LOCAL MUNICIPALITY

CONTRACT NO 67/2026

CONSTRUCTION OF THE OCEANVIEW COLLECTOR SEWER

BOOK OF TENDER DRAWINGS

MARCH 2026

KOUGA LOCAL MUNICIPALITY
16 WOLTEMADE STREET
JEFFREYS BAY
6330

NOTES

DRAWING NO. REFERENCE
REFERENCE DRAWINGS

VST CONSULTING ENGINEERS			
TITLE	NAME	SIGN	DATE
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PR.TECH. ENG			
NAME	SUGAN THAVAR		DATE
SIGNATURE			
REG. NUMBER	200670054		
SCALE :		A	



Consulting Engineers (Pty) Ltd
KOUGA LOCAL MUNICIPALITY
CONSTRUCTION OF THE
OCEANVIEW COLLECTOR SEWER

Section B, 49 Worraker Street
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6045
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Email: dbn@vstoe.co.za
Web: www.vstoe.co.za

REVISIONS				
NO.	DESCRIPTION	BY	CHKD	APPD
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PROJECT NUMBER	WBS	DIS	TYPE	DRAWING NO.	SHEET	REV	ID
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	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
							VST

A

B

A

3

LONG SECTIONS

CONTRACT NAME BOARD

TYPICAL DETAILS

C

3

D

D

E

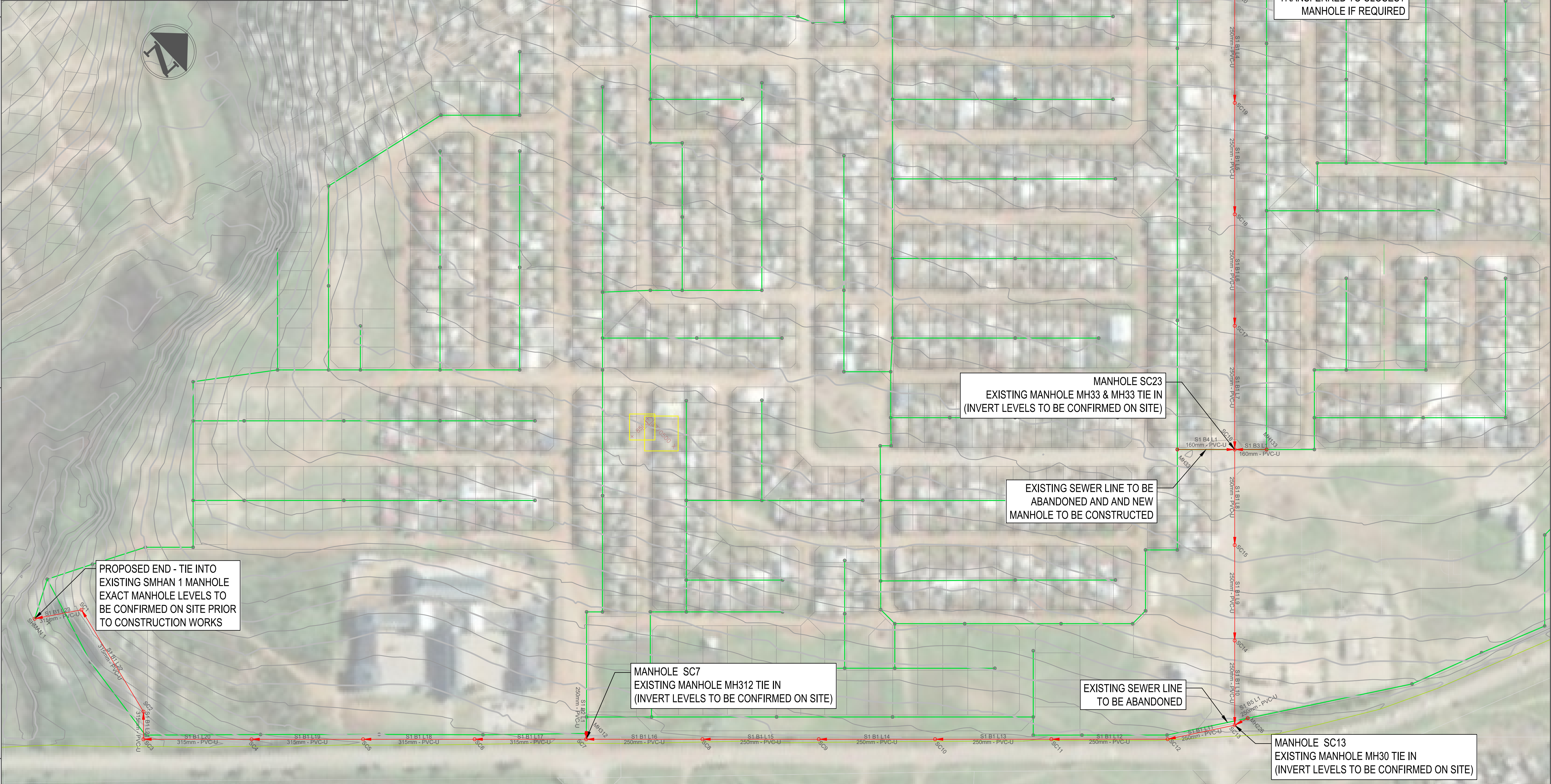
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LEGEND	
	EXISTING CADASTRAL
	EXISTING SEWER PIPELINE
	EXISTING SEWER MANHOLE
	PROPOSED SEWER LINE
	PROPOSED SEWER MANHOLE

FOR TENDER
PURPOSES ONLY



2301131-001-01-LS-0004	LONG SECTIONS	REFERENCE
REFERENCE DRAWINGS		

- NOTES
- FOR APPROVAL PURPOSES ONLY.
 - DISTANCE BETWEEN MANHOLE MUST NOT EXCEED 80M.
 - GRADIENTS GREATER THAN 10% REQUIRES ANCHOR LOCKS.
 - NO RETICULATION SEWER MAY BE AT A DEPTH GREATER THAN 6M.
 - POSITIONS OF EXISTING SERVICES ARE TO BE DETERMINED ON SITE,PRIOR TO CONSTRUCTION.
 - A MINIMUM OF 150MM CLEARANCE MUST BE MAINTAINED BETWEEN CROSSING SERVICES.

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TITLE	NAME	SIGN	DATE
DRAWN	A.M.		27 09 24
CHECKED	S.T.		27 09 24
DESIGNED	A.M.		27 09 24
CHECKED	S.T.		27 09 24
PR.TECH. ENG			
NAME	SUGAN THAVAR	DATE	
SIGNATURE		27 09 24	
REG. NUMBER	200670054		
SCALE :	1:1250		

REVISIONS			
NO.	DESCRIPTION	BY	CHKD APPD DATE
02	FOR TENDER	A.M.	S.T. S.T. 09-04-2025
01	UPDATED BASED ON PD CLIENT COMMENTS	A.M.	S.T. S.T. 16-08-2024
00	ISSUED FOR APPROVAL	A.M.	S.T. S.T. 16-08-2024

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PROJECT NUMBER

WBS

DIS

TYPE

DRAWING NO.

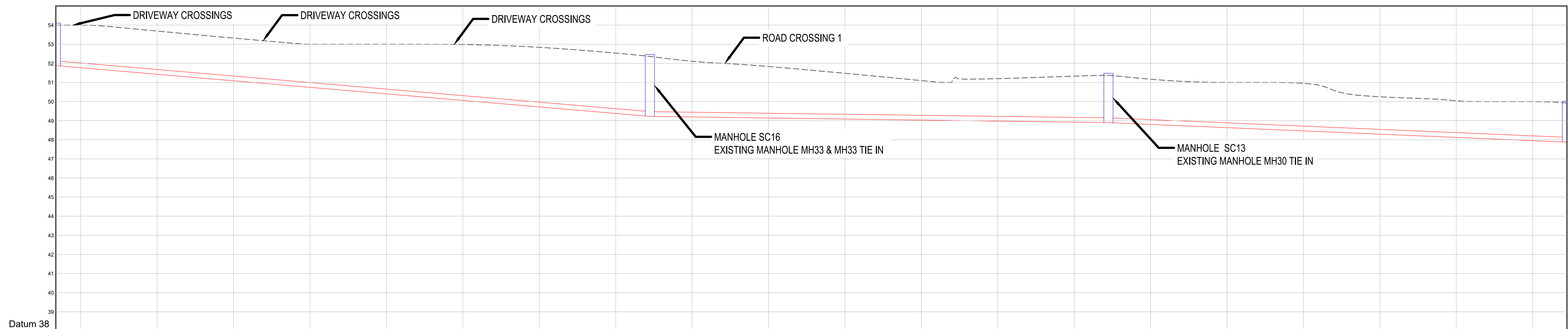
SHEET

REV

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A1 2 3 0 1 1 3 1 0 0 1 0 1 L A 0 0 0 3 0 1 0 2 VST

LEGEND	
-----	EXISTING GROUND LINE
	PROPOSED SEWER MANHOLE
=====	PROPOSED SEWER LINE

[illegible]

LONG SECTION: MANHOLE SC17 TO 14
SCALE 1:1500

LEGEND	
	EXISTING CADASTRAL
	EXISTING SEWER PIPELINE
	EXISTING SEWER MANHOLE
	PROPOSED SEWER LINE
	PROPOSED SEWER MANHOLE



LAYOUT PLAN: MANHOLE SC17 TO 14
SCALE 1:1000

PIPEDESGN DATA						
Node Name	Invert Level	Cover Level	Cover (m)	Manhole Depth	Y Co ordinate	X co ordinate
SC17	51.886	54.100	1.869	2.114	8293.323	3770189.685
SC16	49.229	52.461	2.887	3.132	8236.707	3770242.953
SC15	48.902	51.482	2.235	2.480	8193.008	3770284.067
MH133	49.969	52.612	2.368	2.543	8223.005	3770228.390
MH13	49.409	52.356	2.690	2.847	8261.372	3769269.182

PIPELENGTHS(m)						
Link Name	Node Name	Next Node	Calculated Size	Length (m)	Slope %	Ratio Slope 1:x
LSC17	SC17	SC16	250 mm	77.736	3.418005	29.25684
LSC16	SC16	SC15	250 mm	60.000	0.544967	183.49746
LSC15	SC15	SC14	250 mm	60.000	1.698332	58.88126
LSC14	SC14	SC13	250 mm	53.154	0.085572	119.66347
LWH33	MH33	SC16	160 mm	36.004	0.000000	200.00000
MH133	MH133	SC16	160 mm	19.996	3.700840	27.02089

FOR TENDER
PURPOSES ONLY

[illegible]

NOTES

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REVISIONS

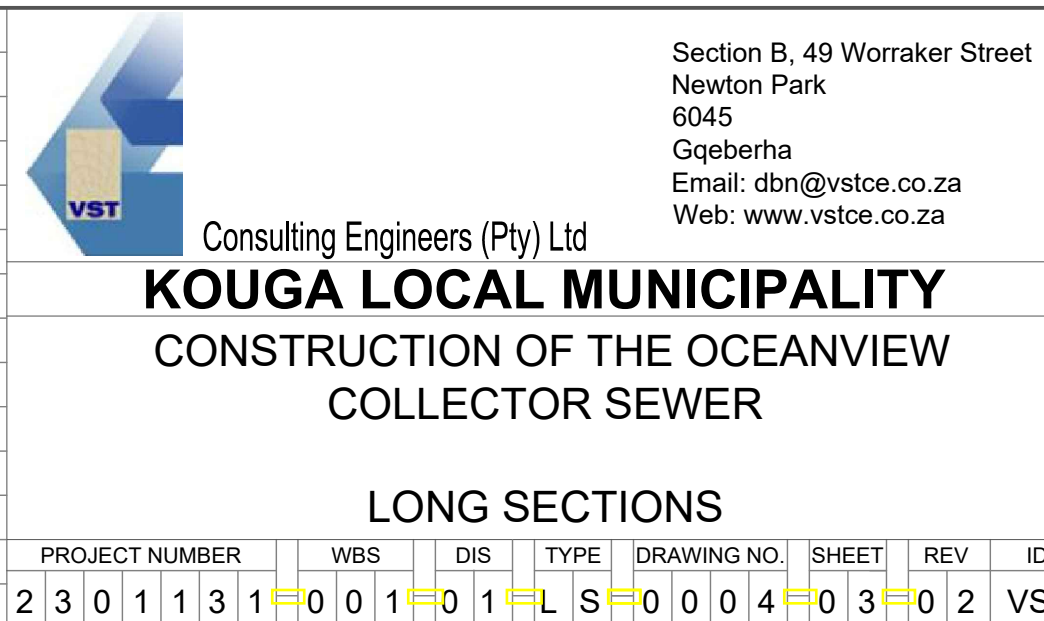
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PR.TECH. ENG

NAME		SUGAN THAVAR		DATE
SIGNATURE				27/09/24
REG. NUMBER		200670054		
SCALE :		1:1000		

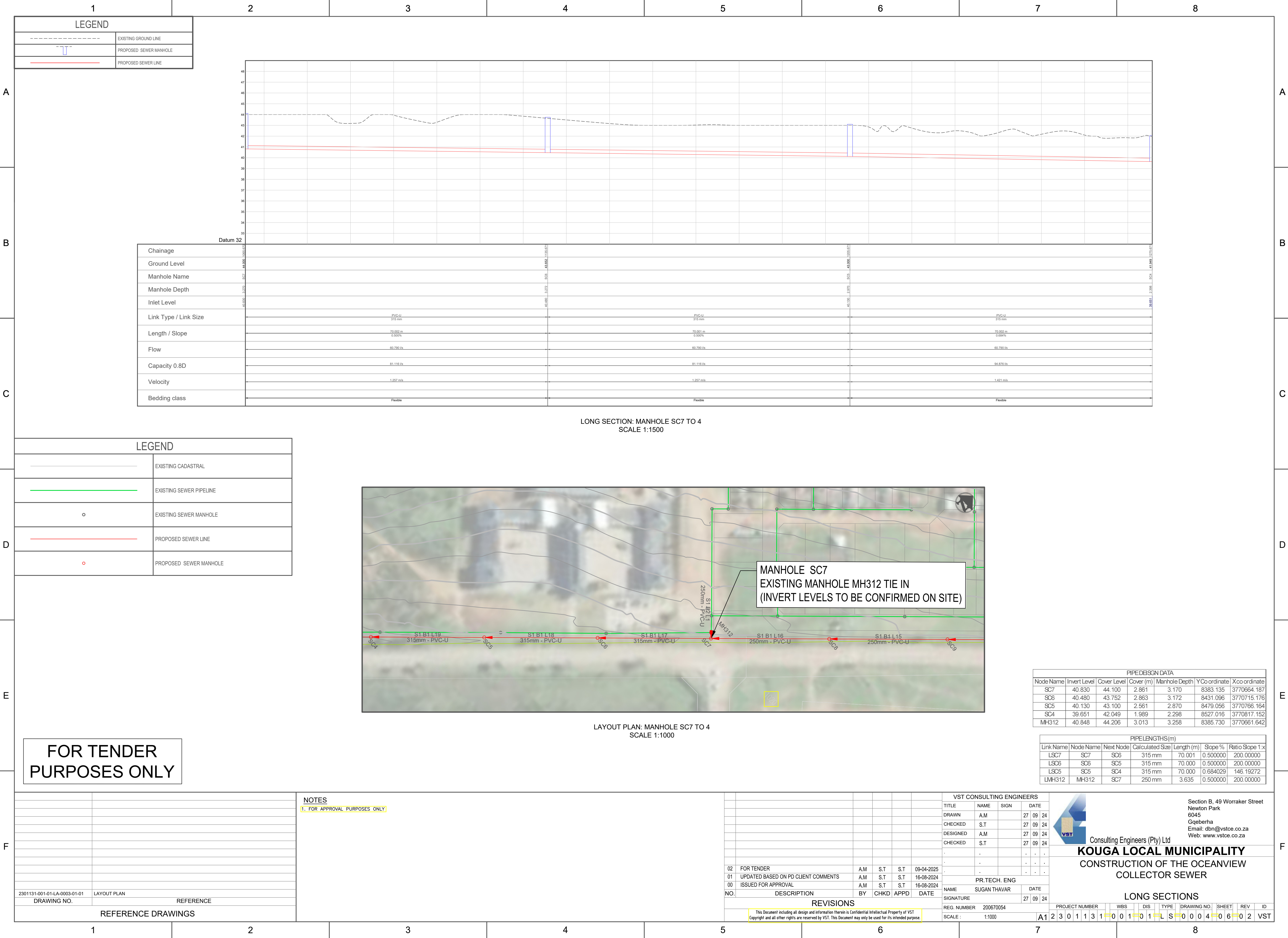
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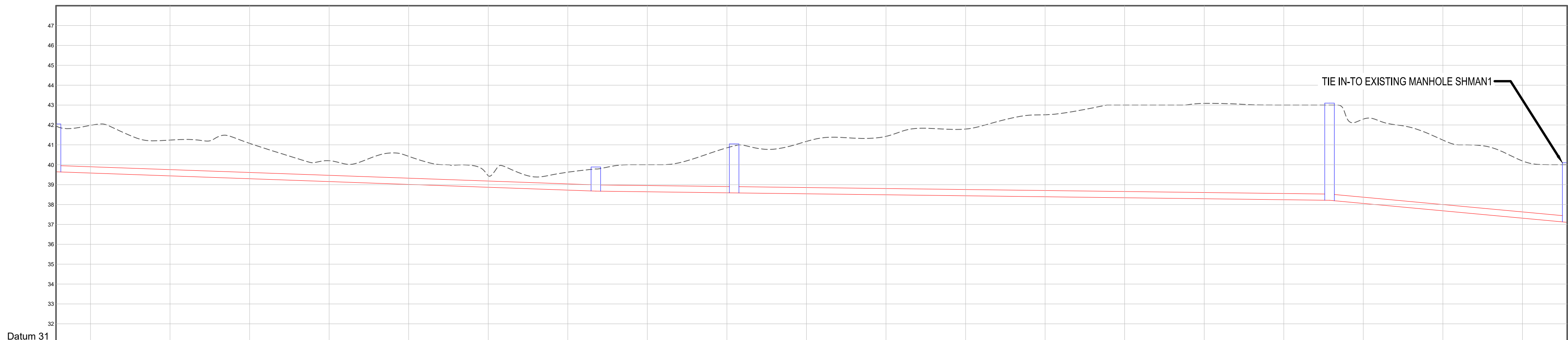
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COLLECTOR SEWER

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SIGNATURE		27 09 24																												
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SCALE :	1:1000	A1	2	3	0	1	1	3	1	0	0	1	0	1	0	1	L	S	0	0	0	4	0	3	0	2	V	S		



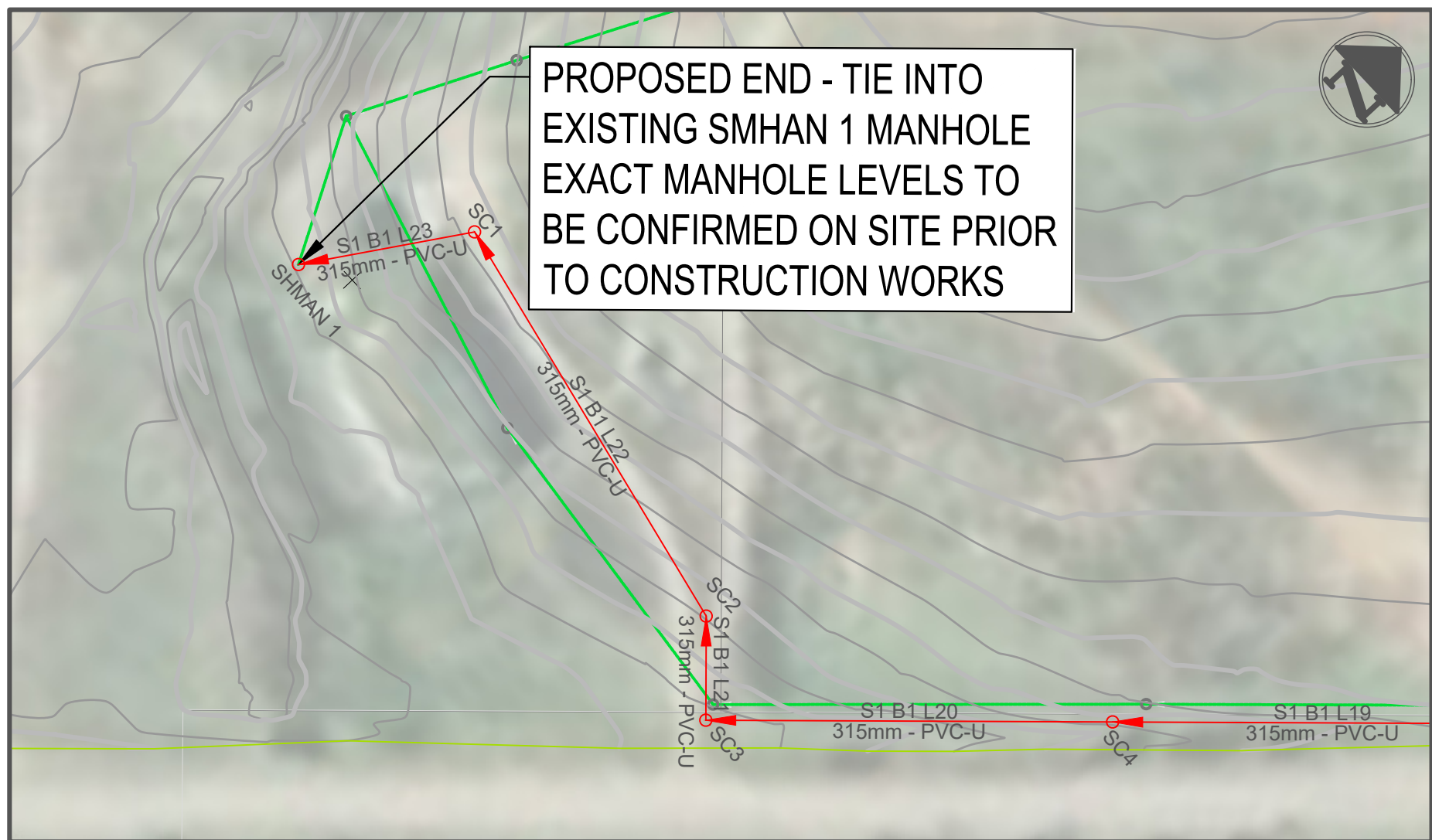
LEGEND	
-----	EXISTING GROUND LINE
	PROPOSED SEWER MANHOLE
_____	PROPOSED SEWER LINE



Chainage	2725.00	2725.00	2725.00	2725.00
Ground Level	41.940	41.940	40.940	43.000
Manhole Name	SC1	SC2	SC2	SC1
Manhole Depth	2.338	2.000	2.450	4.883
Inlet Level	38.601	38.678	38.491	38.117
Link Type / Link Size	PVC-U 315 mm	PVC-U 315 mm	PVC-U 315 mm	PVC-U 315 mm
Length / Slope	67.884 m 1.434%	17.382 m 0.500%	74.842 m 0.500%	78.893 m 3.705%
Flow	69.730 l/s	69.730 l/s	69.800 l/s	69.800 l/s
Capacity 0.8D	137.366 l/s	81.116 l/s	81.116 l/s	220.817 l/s
Velocity	1.879 m/s	1.257 m/s	1.257 m/s	2.659 m/s
Bedding class	Flexible	Flexible	Flexible	Flexible

LONG SECTION: MANHOLE SC4 TO SHMAN1
SCALE 1:1500

LEGEND	
	EXISTING CADASTRAL
	EXISTING SEWER PIPELINE
	EXISTING SEWER MANHOLE
	PROPOSED SEWER LINE
	PROPOSED SEWER MANHOLE



LAYOUT PLAN: MANHOLE SC4 TO SHMAN1
SCALE 1:1000

FOR TENDER
PURPOSES ONLY

PIPE DESSIGN DATA						
Node Name	Invert Level	Cover Level	Cover (m)	Manhole Depth	Y Co ordinate	X co ordinate
SC4	39.651	42.049	1.989	2.298	8527.016	3770817.152
SC3	38.678	39.887	0.800	1.109	8573.508	3770866.579
SC2	38.591	41.048	2.048	2.357	8586.170	3770854.670
SC1	38.217	43.100	4.474	4.783	8659.396	3770839.207
SHMAN 1	37.110	40.100	2.581	2.890	8675.448	3770864.401

PIPELENGTHS(m)						
Link Name	Node Name	Next Node	Calculated Size	Length (m)	Slope %	Ratio Slope 1:x
LSC4	SC4	SC3	315 mm	67.857	1.4339889	69.73998
LSC3	SC3	SC2	315 mm	17.382	0.5000000	200.00000
LSC2	SC2	SC1	315 mm	74.841	0.5000000	200.00000
LSC1	SC1	SHMAN	315 mm	29.873	3.705302	26.98835

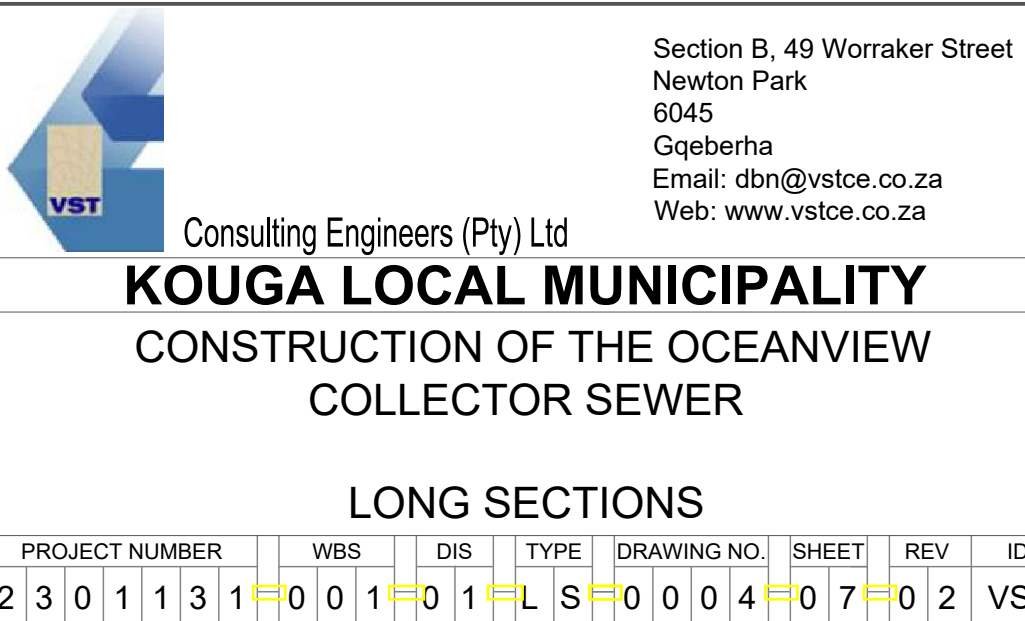
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PR.TECH. ENG				
NAME		SUGAN THAVAR		
SIGNATURE			27	09 24
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SCALE :		1:1000		A1



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