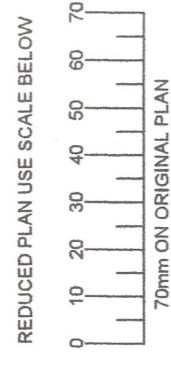


ENGINEERING UNIT
DEVELOPMENT ENGINEERING

PLAN DESCRIPTION	DWG. NO.	SHEET NO.
CONTINUED FROM		
CROSS SECTIONS		
TYPICAL CROSS SECTION		
SURVEY LAYOUT		



Revision	Date	Description

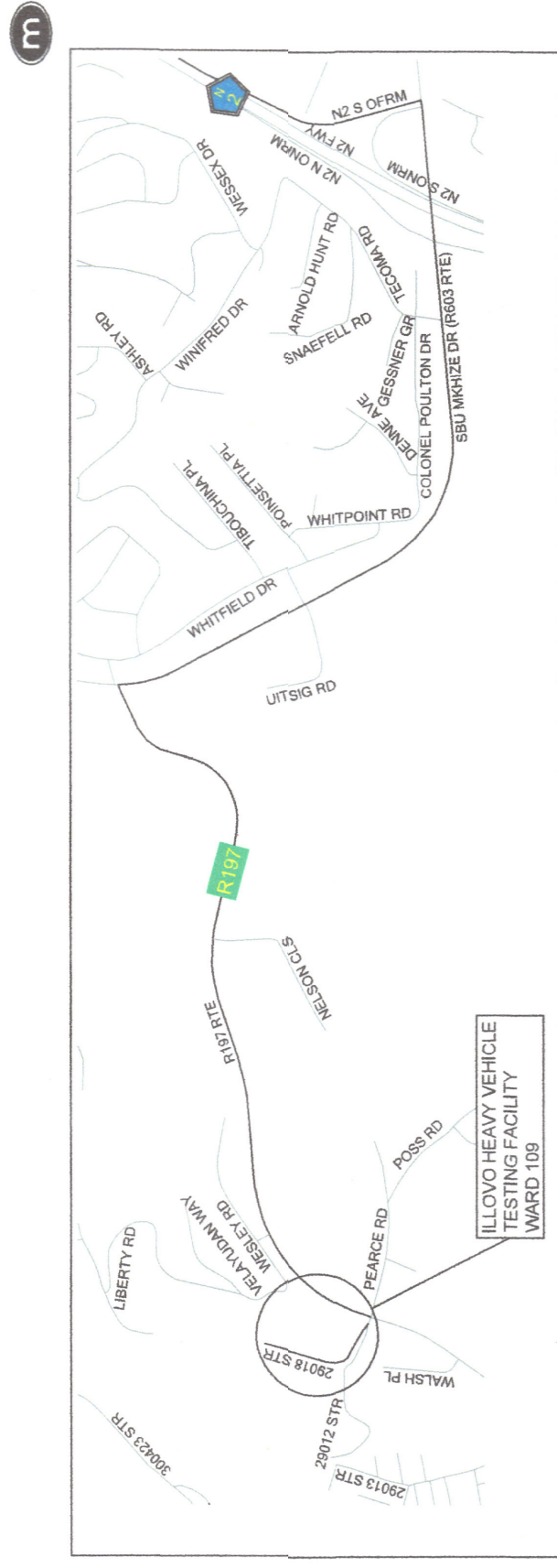
UNDERGROUND SERVICES CHECKED	DATE	SIGNATURE
WATER MAIN		
ELECTRIC CABLES		
S.A.R. CABLES		
E.L.C. CABLES		

3V-29012
CONSTRUCTION OF
ILLOVO DANGEROUS
GOODS VEHICLE
INSPECTION FACILITY
(WARD 109)

LAYOUT PLAN &
STORMWATER LONG
SECTION

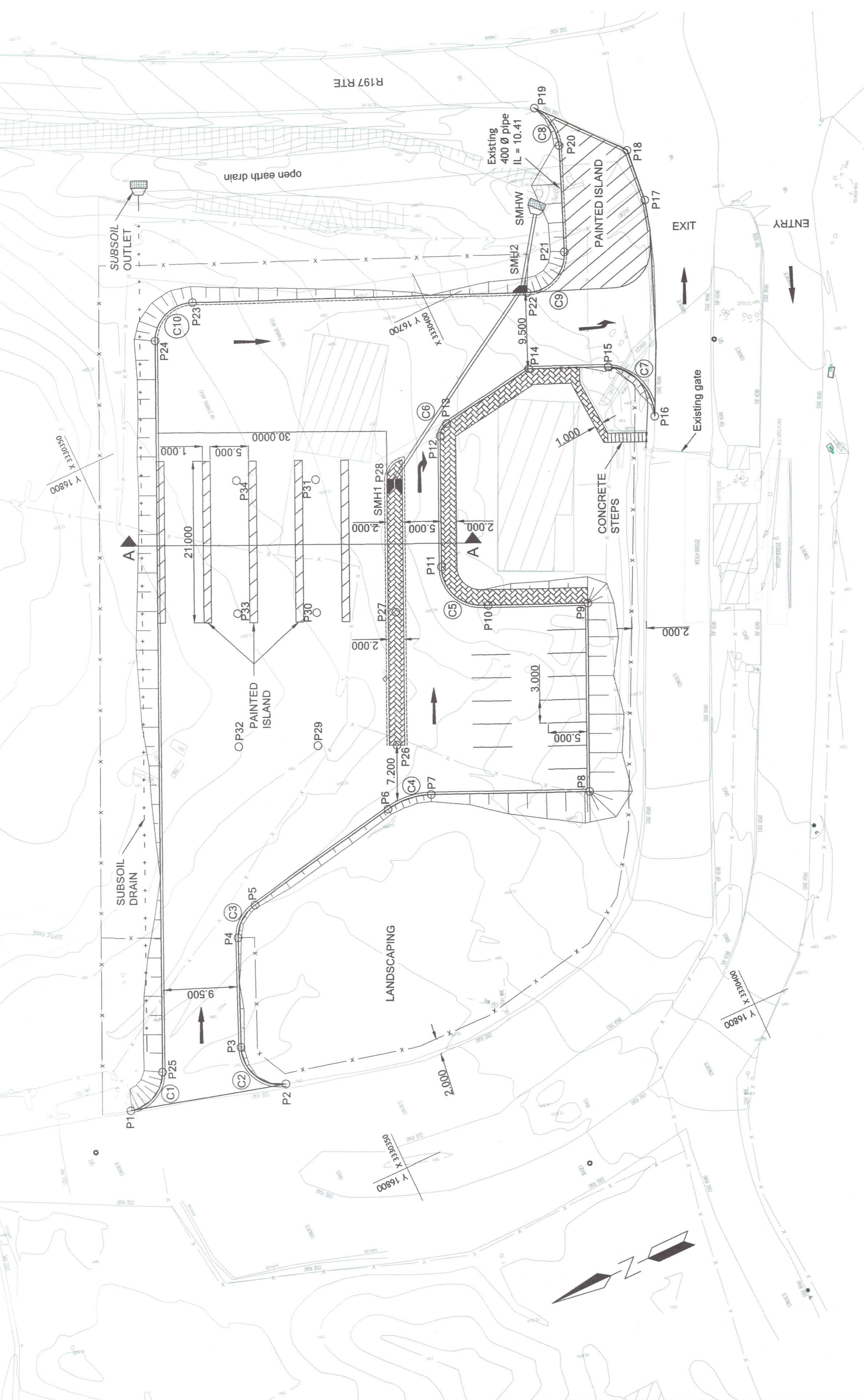
AS SHOWN	Date	20-08-2023
Designed	Drawn by	T.M.
Checked		

FOR TENDER
Drawing No 49297
Sheet 1 of 1



LOCALITY SKETCH
SCALE 1:15

Chainage	Ground Level	Manhole Name	Inlet / Outlet	Hydraulic Elevation	Length	Link Type / Link Size	Slope	Flow Capacity	Velocity



LAYOUT PLAN
SCALE 1:250

NAME	REF.	XY	XY	R (m)	R (m)
C7	BC7	16717.081	3330417.624	6.500	
	EC7	16725.373	3330420.705		6.500
	Rad.	16722.779	3330414.685		

NAME	REF.	XY	XY	R (m)	R (m)
C8	BC8	16682.577	3330423.886	6.500	
	EC8	16700.000	3330426.967		6.500
	Rad.	16698.332	3330425.876		

NAME	REF.	XY	XY	R (m)	R (m)
C9	BC9	16701.004	3330430.988	5.000	
	EC9	16706.217	3330432.877		5.000
	Rad.	16699.208	3330434.461		

NAME	REF.	XY	XY	R (m)	R (m)
C10	BC10	16698.498	3330372.451	5.000	
	EC10	16689.008	3330365.821		5.000
	Rad.	16691.087	3330370.667		

NAME	REF.	XY	XY	R (m)	R (m)
C1	BC1	16778.650	3330350.609	5.000	
	EC1	16774.004	3330349.900		5.000
	Rad.	16779.853	3330344.829		

NAME	REF.	XY	XY	R (m)	R (m)
C2	BC2	16778.358	3330339.892	5.000	
	EC2	16776.658	3330337.116		5.000
	Rad.	16781.873	3330334.499		

NAME	REF.	XY	XY	R (m)	R (m)
C3	BC3	16783.998	3330242.851	5.000	
	EC3	16766.668	3330246.660		5.000
	Rad.	16774.972	3330256.884		

NAME	REF.	XY	XY	R (m)	R (m)
C4	BC4	16757.005	3330366.327	10.000	
	EC4	16768.762	3330424.345		10.000
	Rad.	16765.876	3330370.744		

NAME	REF.	XY	XY	R (m)	R (m)
C5	BC5	16737.968	3330355.971	14.650	
	EC5	16731.339	3330287.259		14.650
	Rad.	16736.064	3330278.408		

NAME	REF.	XY	XY	R (m)	R (m)
C6	BC6	16714.792	3330393.496	2.000	
	EC6	16714.792	3330395.884		2.000
	Rad.	16714.639	3330394.555		

NAME	REF.	XY	XY	R (m)	R (m)
C7	BC7	16717.081	3330417.624	6.500	
	EC7	16725.373	3330420.705		6.500
	Rad.	16722.779	3330414.685		

NAME	REF.	XY	XY	R (m)	R (m)
C8	BC8	16682.577	3330423.886	6.500	
	EC8	16700.000	3330426.967		6.500
	Rad.	16698.332	3330425.876		

NAME	REF.	XY	XY	R (m)	R (m)
C9	BC9	16701.004	3330430.988	5.000	
	EC9	16706.217	3330432.877		5.000
	Rad.	16699.208	3330434.461		

NAME	REF.	XY	XY	R (m)	R (m)
C10	BC10	16698.498	3330372.451	5.000	
	EC10	16689.008	3330365.821		5.000
	Rad.	16691.087	3330370.667		

NAME	REF.	XY	XY	R (m)	R (m)
C1	BC1	16778.650	3330350.609	5.000	
	EC1	16774.004	3330349.900		5.000
	Rad.	16779.853	3330344.829		

NAME	REF.	XY	XY	R (m)	R (m)
C2	BC2	16778.358	3330339.892	5.000	
	EC2	16776.658	3330337.116		5.000
	Rad.	16781.873	3330334.499		

NAME	REF.	XY	XY	R (m)	R (m)
C3	BC3	16783.998	3330242.851	5.000	
	EC3	16766.668	3330246.660		5.000
	Rad.	16774.972	3330256.884		

NAME	REF.	XY	XY	R (m)	R (m)
C4	BC4	16757.005	3330366.327	10.000	
	EC4	16768.762	3330424.345		10.000
	Rad.	16765.876	3330370.744		

NAME	REF.	XY	XY	R (m)	R (m)
C5	BC5	16737.968	3330355.971	14.650	
	EC5	16731.339	3330287.259		14.650
	Rad.	16736.064	3330278.408		

NAME	REF.	XY	XY	R (m)	R (m)
C6	BC6	16714.792	3330393.496	2.000	
	EC6	16714.792	3330395.884		2.000
	Rad.	16714.639	3330394.555		

NAME	REF.	XY	XY	R (m)	R (m)
C7	BC7	16717.081	3330417.624	6.500	
	EC7	16725.373	3330420.705		6.500
	Rad.	16722.779	3330414.685		

NAME	REF.	XY	XY	R (m)	R (m)
C8	BC8	16682.577	3330423.886	6.500	
	EC8	16700.000	3330426.967		6.500
	Rad.	16698.332	3330425.876		

NAME	REF.	XY	XY	R (m)	R (m)
C9	BC9	16701.004	3330430.988	5.000	
	EC9	16706.217	3330432.877		5.000
	Rad.	16699.208	3330434.461		

NAME	REF.	XY	XY	R (m)	R (m)
C10	BC10	16698.498	3330372.451	5.000	
	EC10	16689.008	3330365.821		5.000
	Rad.	16691.087	3330370.667		

NAME	REF.	XY	XY	R (m)	R (m)
C1	BC1	16778.650	3330350.609	5.000	
	EC1	16774.004	3330349.900		5.000
	Rad.	16779.853	3330344.829		

NAME	REF.	XY	XY	R (m)	R (m)
C2	BC2	16778.358	3330339.892	5.000	
	EC2	16776.658	3330337.116		5.000
	Rad.	16781.873	3330334.499		

NAME	REF.	XY	XY	R (m)	R (m)
C3	BC3	16783.998	3330242.851	5.000	
	EC3	16766.668	3330246.660		5.000
	Rad.	16774.972	3330256.884		

NAME	REF.	XY	XY	R (m)	R (m)
C4	BC4	16757.005	3330366.327	10.000	
	EC4	16768.762	3330424.345		10.000
	Rad.	16765.876	3330370.744		

NAME	REF.	XY	XY	R (m)	R (m)
C5	BC5	16737.968	3330355.971	14.650	
	EC5	16731.339	3330287.259		14.650
	Rad.	16736.064	3330278.408		

NAME	REF.	XY	XY	R (m)	R (m)
C6	BC6	16714.792	3330393.496	2.000	
	EC6	16714.792	3330395.884		2.000
	Rad.	16714.639	3330394.555		

NAME	REF.	XY	XY	R (m)	R (m)
C7	BC7	16717.081	3330417.624	6.500	
	EC7	16725.373	3330420.705		6.500
	Rad.	16722.779	3330414.685		

NAME	REF.	XY	XY	R (m)	R (m)
C8	BC8	16682.577	3330423.886	6.500	
	EC8	16700.000	3330426.967		6.500
	Rad.	16698.332	3330425.876		

NAME	REF.	XY	XY	R (m)	R (m)
C9	BC9	16701.004	3330430.988	5.000	
	EC9	16706.217	3330432.877		5.000
	Rad.	16699.208	3330434.461		

NAME	REF.	XY	XY	R (m)	R (m)
C10	BC10	16698.498	3330372.451	5.000	
	EC10	16689.008	3330365.821		5.000
	Rad.	16691.087	3330370.667		

NAME	REF.	XY	XY	R (m)	R (m)
C1	BC1	16778.650	3330350.609	5.000	
	EC1	16774.004	3330349.900		5.000
	Rad.	16779.853	3330344.829		

NAME	REF.	XY	XY	R (m)	R (m)
C2	BC2	16778.358	3330339.892	5.000	
	EC2	16776.658	3330337.116		5.000
	Rad.	16781.873	3330334.499		

NAME	REF.	XY	XY	R (m)	R (m)
C3	BC3	16783.998	3330242.851	5.000	
	EC3	16766.668	3330246.660		5.000
	Rad.	16774.972	3330256.884		

NAME	REF.	XY	XY	R (m)	R (m)
C4	BC4	16757.005	3330366.327	10.000	
	EC4	167			