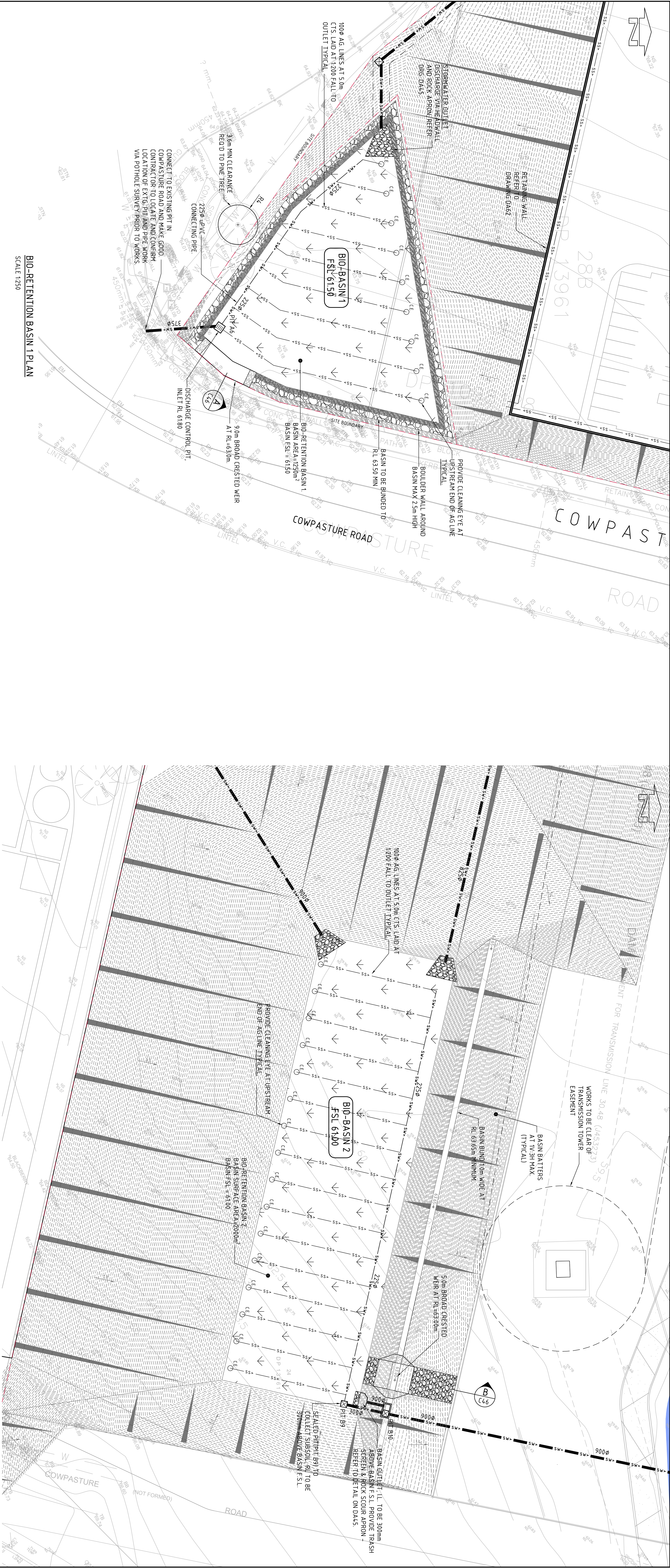




BASIN 1 – WATER QUALITY DETAILS
STORMWATER TREATMENT MEASURE: BIORETENTION

STORAGE PROPERTIES
EXTENDED DETENTION DEPTH: 300mm
STORAGE SURFACE AREA: 1200sqm MIN
FILTER & MEDIA PROPERTIES
FILTRATION AREA: 1200sqm MIN
SAT. HYDRAULIC CONDUCTIVITY: 100mm/hr
FILTER DEPTH: 600mm

REFER TO DRG. D445 FOR BIORETENTION NOTES AND DETAILS.

BASIN 1 - HYDROLOGIC DETAILS

ARI (yrs)	Storm Duration (hrs)	Flow (m ³ /s)		Water Level (m)	Storage (m ³)
		Pre - Devel. (un - attenuated)	Post Devel. (with attenuation)		
2	0.5	0.343	1.91	0.325	62.35
2	2	0.678	1.94	0.349	65.50
100	0.5	1.75	3.85	14.65	2300
100	2	2.60	3.91	2.716	63.30

BASIN 2 – WATER QUALITY DETAILS
STORMWATER TREATMENT MEASURE: BIORETENTION

STORAGE PROPERTIES
EXTENDED DETENTION DEPTH: 300mm
STORAGE SURFACE AREA: 2000sqm MIN
FILTER & MEDIA PROPERTIES
FILTRATION AREA: 2000sqm MIN
SAT. HYDRAULIC CONDUCTIVITY: 100mm/hr
FILTER DEPTH: 500mm

REFER TO DRG. D445 FOR BIORETENTION NOTES AND DETAILS.

BASIN 2 - HYDROLOGIC DETAILS

ARI (yrs)	Storm Duration (hrs)	Flow (m ³ /s)		Water Level (m)	Storage (m ³)
		Pre - Devel. (un - attenuated)	Post Devel. (with attenuation)		
2	0.5	0.56	3.45	0.55	61.90
2	2	1.13	3.43	0.63	62.20
100	0.5	2.96	6.97	114	63.10
100	2	4.36	7.03	2.19	63.35

STORMWATER DRAINAGE NOTES:

REFER TO DRAWING D440 FOR STORMWATER DRAINAGE NOTES

LEGEND:

LEVELS DATUM IS AHD.

EXISTING SITE LEVELS AND DETAILS BASED ON SURVEY INFORMATION PROVIDED BY LAND PARTNERS SURVEYORS DATED 12.04.12.

- SGPP, SINGLE GRAATED GULLY PIT
- S.P. SEALED JUNCTION PIT
- KIP, KERB INLET PIT
- SWP - DRAINAGE LINE
- SUBSOIL LINE
- EXISTING SURFACE CONTOUR
- EXISTING SURFACE SPOT HEIGHT

FOR SECTION 96 APPLICATION