



AMENDED IN RED

By: Brandon Bouda

Date: 26 September 2018



SERVICE VEHICLE PROFILE (8.80m LONG)

(AS PER SEQ-SPS-1102-2)

	METERS
WIDTH	2.50
TRACK	2.50
LOCK TO LOCK TIME	6s
STEERING ANGLE	38.7°

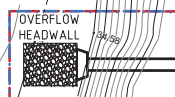
CHEMICAL DELIVERY (12.50m LONG)

(BASED ON SU TRUCK PROFILE)

	METERS
WIDTH	2.50
TRACK	2.50
LOCK TO LOCK TIME	6s
STEERING ANGLE	36.6°

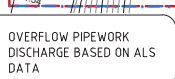
MATCH TO EXISTING TRACK FOR CONSTRUCTION INTERMEDIATE ACCESS BEFORE PERMANENT ACCESS FROM NORTH IS CONSTRUCTED.

IRE POWER SUPPLY OVERHEAD JNDARY, UNDERGROUND WITHIN BOUNDARY, (INDICATIVE ONLY)



OVERFLOW PIPEWORK DISCHARGE BASED ON ALS DATA

SURVEY TREE INFORMATION OMITTED FOR CLARITY



OVERFLOW PIPEWORK DISCHARGE BASED ON ALS DATA

PROPOSED R.O.W. BOUNDARY

PROPOSED EASEMENT

STAGE 2 RISING MAIN

OD800 PE100 PN16 - (TBC)

STAGE 1 RISING MAIN

OD 560 PE100 PN16

PROPOSED RAILWAY BOUNDARY

STAGE 1 RISING MAIN (REFER TO DWG SET LS304-04)

STAGE 1 RISING MAIN

STAGE 1 RISING MAIN

STAGE 1 RISING MAIN

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV2018/925

Date: 27 September 2018



FUTURE RAIL NETWORK

PLAN SCALE 1:250

EXISTING DIRT TRACK OVER RAIL LINE. HEIGHT RESTRICTIONS APPLY

0 2.5 5 10 15m
A1 - 1:250

FOR TENDER

Works external to the lot 907 on SP303089 are not approved by this approval.

CAD FILE: L:\303089\CDM\GROW\WWT\CONVEYANCE\02 - FC SP303089\LS304-02-S-DWG-CI-2100.dwg

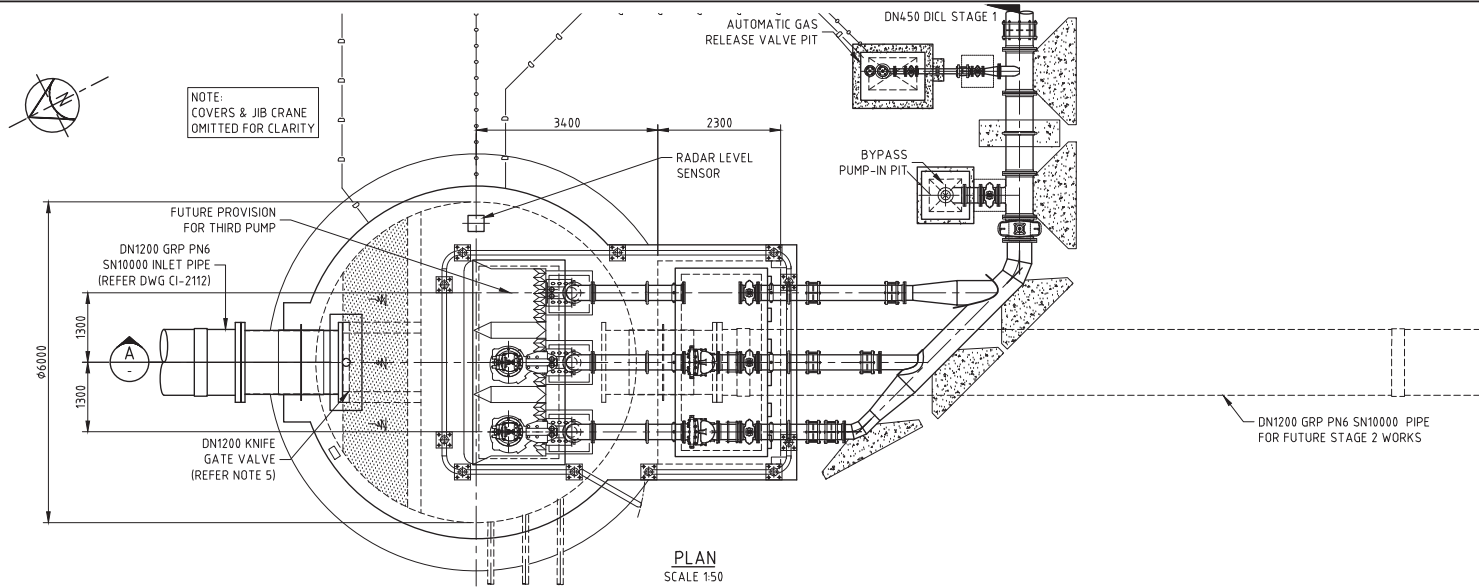
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REV. No.	DESCRIPTION	DRAWN	DESIGNED	APPR.	DATE
F	RE-ISSUED FOR TENDER (100% DESIGN DOCUMENTATION) EASEMENT BOUNDARY AMENDED	FJ	LM	CS	14/05/2018
E	RE-ISSUED FOR TENDER (100% DESIGN DOCUMENTATION) MH2/1 RELOCATED.	PS	LM	CS	15/03/2018
D	FOR TENDER (100% DESIGN DOCUMENTATION)	PS	LM	SD	05/03/2018
C	FOR 10% SPS DOAR WORKSHOP	PS	LM	SD	07/02/2018
B	FOR 30% SPS DOAR WORKSHOP	PS	LM	SD	12/12/2017
A	FOR 30% DOAR WORKSHOP	PS	AL	SD	19/09/2017

DESIGNED BY		RPEQ	REFERENCES
L. MARANO			PROJECT No.
DRAFTED BY		DRAFTING CHECK BY	LS304-02
P. SPEAR		F. JESPERSEN	FILE REFERENCE:
DESIGN CHECKED BY		RPEQ	SHEET SIZE
S. DICKER		18473	A1
APPROVED BY		RPEQ	DATUM: AHD
			GDA 94 ZONE 56



PROJECT:	DRAWING TITLE:	DRAWING No.
FLAGSTONE CENTRAL TO CEDAR GROVE WWT CONVEYANCE SYSTEM	SPS151 SEWAGE PUMPING STATION SITE LAYOUT	LS304-02-S-DWG-CI-2100
DESIGN COMPANY:	LOGANWIA	REV. F
TECH SERVICES DRG No.		

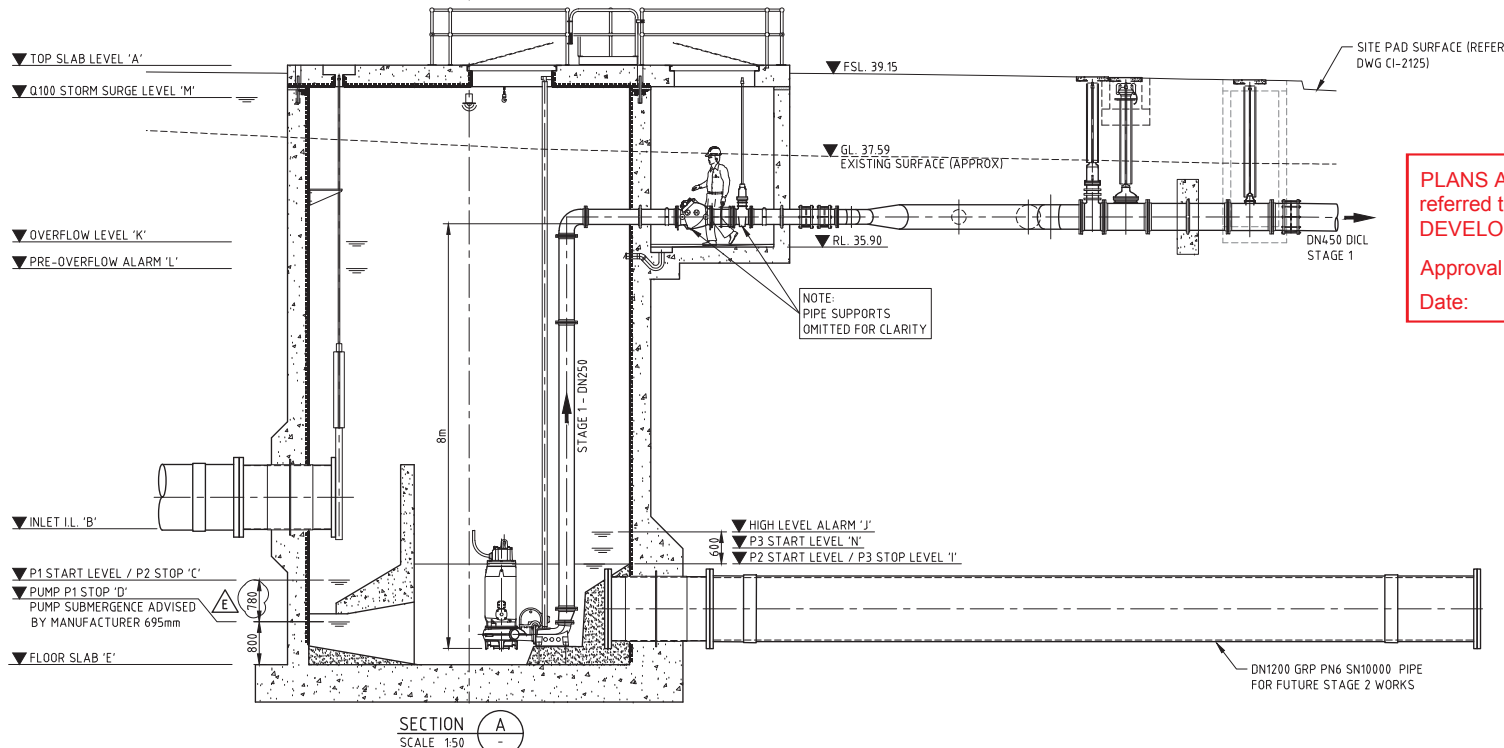


PUMP STATION CONTROL LEVELS - STAGE 1 (2031 DESIGN HORIZON)			
ITEM	DESCRIPTION	LEVEL (m) (A.H.D.)	HEIGHT FROM BASE (m)
A	TOP OF SLAB	39.30	11.21
B	INLET I.L.	30.67	2.58
C	P1 START LEVEL / P2 STOP LEVEL (mAHD)	29.67	1.58
D	PUMP P1 STOP	28.89	0.80
E	FLOOR SLAB	28.09	
F	PUMP STATION DEPTH		11.21
H	EXISTING GROUND LEVEL	37.59*	9.50
I	P2 START LEVEL / P3 STOP LEVEL (mAHD)	29.97	1.88
J	HIGH LEVEL ALARM	30.57	2.48
K	OVERFLOW LEVEL	36.00	7.91
L	PRE-OVERFLOW ALARM	35.50	7.41
M	Q100 STORM SURGE LEVEL	38.70	10.61
N	P3 START LEVEL	30.27	2.18

PUMP OPERATING LEVELS AND DEFAULT SETTINGS SHALL BE AS PER THE SEQ-SP FUNCTIONAL DESCRIPTION

SITE TO BE FILLED,
REFER TO DWG CI-2125

OVERFLOW	
OVERFLOW LEVEL AT WELL	36.0m AHD
LOWEST HOUSE FLOOR LEVEL OR MANHOLE LID	T.B.A.



PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2018/925

Date: 27 September 2018



NOTES:

- FOR GENERAL NOTES REFER TO DWGS PM001-01-S-DWG-ND-0020, ND-0021 AND ND-0022. FOR SITE SPECIFIC NOTES REFER TO DWG LS304-00-S-DWG-ND-0020.
- EXISTING SURFACE FROM SURVEY OF 30/10/2017
- PUMPS SHALL BE SUPPLIED WITH COOLING JACKETS.
- STAGE 2 - PUMP STATION DECOMMISSIONED AND USED AS PARTIAL OPERATING VOLUME FOR STAGE 2 OPERATION.
- THE KNIFE GATE VALVE SHALL BE MANUFACTURED IN 316 S/S, WITH A TOP AND GATE SEAL AND A RETAINED RESILIENT PERIMETER SEAL. SPINDLE WITH BRACKETS SHALL BE IN ACCORDANCE WITH AS6401. THE MAXIMUM PRESSURE SHALL BE 10m HEAD. THE GATE LEAKAGE AT MAXIMUM PRESSURE SHALL BE MAXIMUM OF 40mL/MIN/25mm OF DIAMETER. VALVE SHALL BE CLOCKWISE CLOSING AND SUITABLE FOR MOUNTING TO SINGLE UPSTREAM FLANGE.

0 0.5 1.0 2.0 3.0m
A1 - 1:50

FOR TENDER

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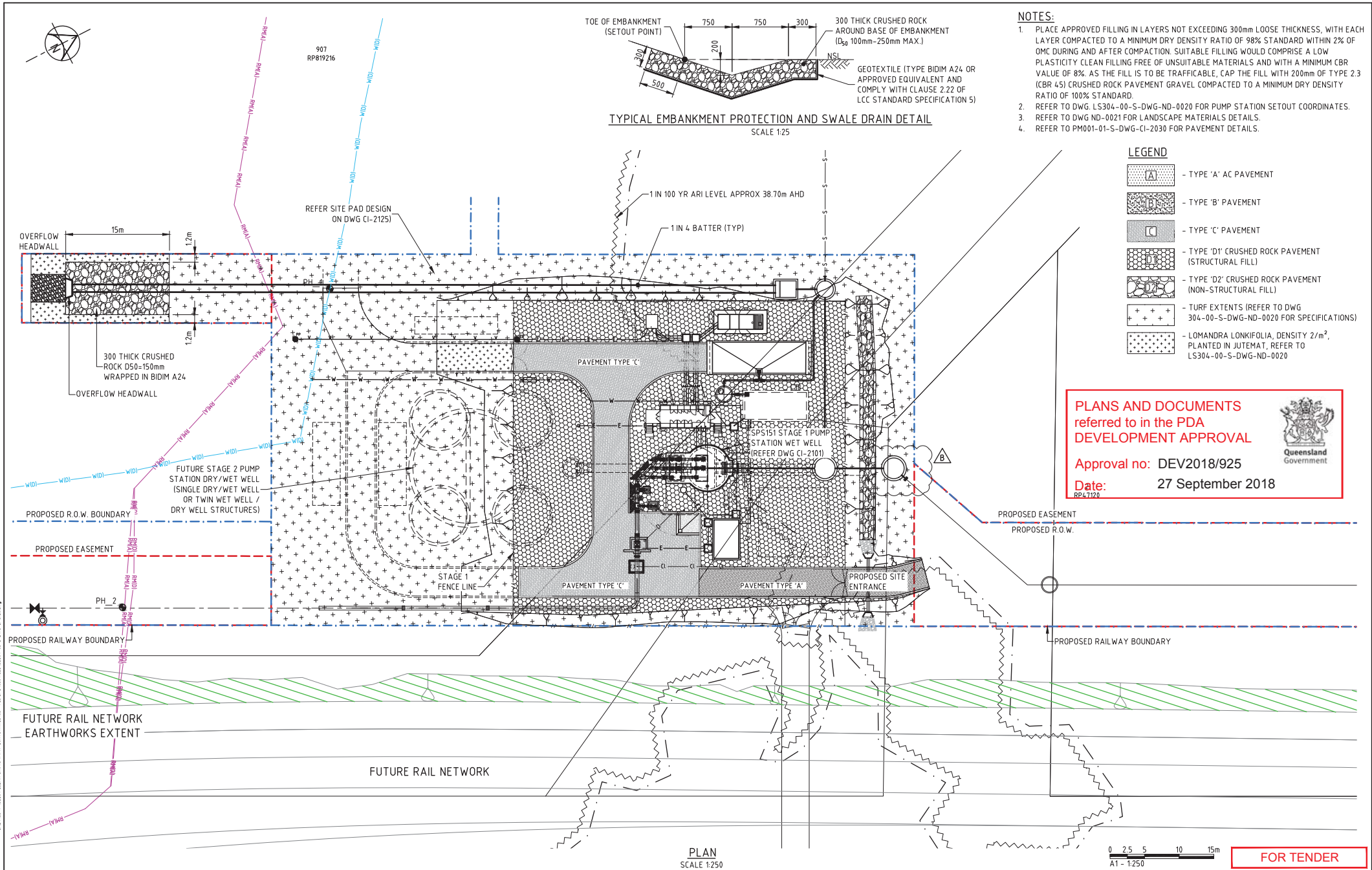
REV. No.	DESCRIPTION	DRAWN	DESIGNED	APPR.	DATE
E	RE-ISSUED FOR TENDER (100% DESIGN DOCUMENTATION)	PS	LM	CS	15/03/2018
D	FOR TENDER (100% DESIGN DOCUMENTATION)	PS	LM	SD	05/03/2018
C	FOR 10% SPS DOAR WORKSHOP	PS	LM	SD	07/02/2018
B	FOR 30% SPS DOAR WORKSHOP	PS	LM	SD	12/12/2017
A	FOR 30% DOAR WORKSHOP	PS	AL	SD	19/09/2017

DESIGNED BY L. MARANO	DRAFTED BY P. SPEAR	DESIGN CHECKED BY S. DICKER	APPROVED BY F. JESPERSEN

REFERENCES PROJECT No. LS304-02	FILE REFERENCE:	SHEET SIZE A1	DATUM: AHD GOA 94 ZONE 56.
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PROJECT: FLAGSTONE CENTRAL TO CEDAR GROVE WWTP CONVEYANCE SYSTEM		DRAWING No. LS304-02-S-DWG-CI-2101	
DRAWING TITLE: SPS151 SEWAGE PUMPING STATION GENERAL ARRANGEMENT PLAN AND ELEVATION		DESIGN COMPANY: LoganWIA	REV. E
		TECH SERVICES DRG No.	



NOTES:

1. PLACE APPROVED FILLING IN LAYERS NOT EXCEEDING 300mm LOOSE THICKNESS, WITH EACH LAYER COMPACTED TO A MINIMUM DRY DENSITY RATIO OF 98% STANDARD WITHIN 2% OF OMC DURING AND AFTER COMPACTION. SUITABLE FILLING WOULD COMPRISE A LOW PLASTICITY CLEAN FILLING FREE OF UNSUITABLE MATERIALS AND WITH A MINIMUM CBR VALUE OF 8%. AS THE FILL IS TO BE TRAFFICABLE, CAP THE FILL WITH 200mm OF TYPE 2.3 (CBR 45) CRUSHED ROCK PAVEMENT GRAVEL COMPACTED TO A MINIMUM DRY DENSITY RATIO OF 100% STANDARD.
2. REFER TO DWG. LS304-00-S-DWG-ND-0020 FOR PUMP STATION SETOUT COORDINATES.
3. REFER TO DWG ND-0021 FOR LANDSCAPE MATERIALS DETAILS.
4. REFER TO PM001-01-S-DWG-CI-2030 FOR PAVEMENT DETAILS.

LEGEND

- TYPE 'A' AC PAVEMENT
- TYPE 'B' PAVEMENT
- TYPE 'C' PAVEMENT
- TYPE 'D1' CRUSHED ROCK PAVEMENT (STRUCTURAL FILL)
- TYPE 'D2' CRUSHED ROCK PAVEMENT (NON-STRUCTURAL FILL)
- TURF EXTENTS (REFER TO DWG 304-00-S-DWG-ND-0020 FOR SPECIFICATIONS)
- LOMANDRA LONGIFOLIA, DENSITY 2/m², PLANTED IN JUTEMAT, REFER TO LS304-00-S-DWG-ND-0020

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV2018/925

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RP47120



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REV. No.	DESCRIPTION	DRAWN	DESIGNED	APPR.	DATE
B	RE-ISSUED FOR TENDER (100% DESIGN DOCUMENTATION)	PS	LM	CS	15/03/2018
A	FOR TENDER (100% DESIGN DOCUMENTATION)	PS	LM	SD	5/03/2018

DESIGNED BY
L. MARANO

DRAFTED BY
T. TEIXEIRA

DESIGN CHECKED BY
S. DICKER

APPROVED BY
RPEQ

REFERENCES
PROJECT No.
LS304-02

FILE REFERENCE:
RPEQ

SHEET SIZE
A1

DATUM: AHD
GOA 94 ZONE 56.



PROJECT:
FLAGSTONE CENTRAL TO CEDAR GROVE WWTP CONVEYANCE SYSTEM

DRAWING TITLE:
SPS151 SEWAGE PUMPING STATION LANDSCAPE DETAILS

DRAWING No.
LS304-02-S-DWG-CI-2130

DESIGN COMPANY:
LoganWIA

TECH SERVICES DRG No.

REV.
B

CAD FILE: \LS304-02-S-DWG-ND-0020.dwg
DATE PLOTTED: 15/03/2018
PLOTTER: HP DesignJet T1100e
PLOT SCALE: 1:250