



LEGEND

2/1 (12.000*)	- Pit No. 2/Drainline No. 1
12.000*	- As constructed top of structure levels.
(Symbol)	- As constructed pipe invert levels.
(Symbol)	- Top of batter.
(Symbol)	- Toe of batter.
(Symbol)	- Invert of creek/drain.
(Symbol)	- Change of grade.
(Symbol)	- Stormwater drain line.
(Symbol)	- Subsoil drainage.
(Symbol)	- Sewer main.
(Symbol)	- Sewer manhole.
(Symbol)	- Water main.
(Symbol)	- Stormwater drain line.
(Symbol)	- Subsoil drainage.
(Symbol)	- Sewer main.
(Symbol)	- Sewer manhole.
(Symbol)	- Water main.
(Symbol)	- Overhead power line.

LAYOUT PLAN

STORMWATER STRUCTURE SETOUT TABLE

PIT No.	EASTING	NORTHING	STRUCTURE TYPE	TOP LEVEL
1a/20	5542.38*	76550.11*	1500x1500 Concrete Field Inlet Pit	11.209*
1/20	5509.22*	76577.91*	Side Inlet Pit - 1 chamber	12.636*
2/20	5502.00*	76583.74*	Side Inlet Pit - 1 chamber, 1 trough	12.655*
3/20	5477.07*	76555.38*	Side Inlet Pit - 1 chamber, 1 trough	14.141*
4/20	5443.62*	76522.58*	900x900 Stormwater Manhole #	16.576*
5/20	5431.67*	76510.19*	Side Inlet Pit - 1 chamber	18.359*
6/20	5419.97*	76503.36*	900x900 Stormwater Manhole	21.191*
7/20	5410.14*	76509.19*	Side Inlet Pit - 1 chamber	23.145*
8/20	5402.21*	76504.03*	Side Inlet Pit - 1 chamber, 1 trough	23.154*
1/21	5481.92*	76546.83*	Side Inlet Pit - 1 chamber	14.228*
1/22	5429.23*	76544.23*	600x600 Poly Field Inlet Pit	17.792*
1/23	5438.41*	76503.50*	Side Inlet Pit - 1 chamber, 2 troughs	18.352*

- All dimensions are to centre of chamber.
 - Grates to all stormwater structures within verges & pathways are Class 'C' bicycle & wheelchair safe.
 - '#' Provide 600x600 grated access cover to manhole 4/20.

AS CONSTRUCTED
 I John James Rowlands of ROWLANDS SURVEYS Pty. Ltd. hereby certify that this drawing accurately describes and records the nature and the location of the works depicted hereon as they have been constructed for the purposes of the development.

John James Rowlands Date: 27.12.10
 John James Rowlands
 Director/Registered Surveyor

TOWNSVILLE CITY COUNCIL
 REC'D 14 JAN 2011
 TOWN PLANNING



REAL PROPERTY DESCRIPTION

Lots 501 & 502 on SP 162413
 Parish of BOHLE
 County of ELPHINSTONE
 Bilbao Place - Bushland Beach

In Association with:-

ROWLANDS SURVEYS PTY LTD
 22 GORDEN STREET
 GARBUTT, 4814
 Ph. (07)47755077

SUNLAND GROUP

LEVEL DATUM A.H.D.
 Horizontal Datum GDA' 94 Zone 55
 Refer P.M. 138403 RL. 8.545
 Bolt & washer in manhole top.
 LYNWOOD AVENUE

Scale: 0 2.5 5 7.5 10m
 THE ORIGINAL OF THIS DOCUMENT IS COMPLETED TO THE SCALE NOTED.
 AS REPRODUCTION CAN DISTORT SIZE & SHAPE USE ONLY THE DIMENSIONS PROVIDED ON ARCHITECTURAL &/OR ENGINEERING DRAWINGS.
 VERIFY DIMENSIONS ON SITE BEFORE CONSTRUCTION.

"*" - Indicates As Constructed information.
 All work is carried out in accordance with the former THURINGOWA CITY COUNCIL standard details.

NORTHERN CONSULTING engineers
 Civil & Structural Engineers
 50 Punari Street, Currarong 4812
 Phone: 07 4725 5550 Fax: 07 4725 5850
 Email: mail@nceng.com.au
 Milton Messer & Associates Pty. Ltd.
 ACN 100 817 358

D	AMENDED TO AS CONSTRUCTED.	21/12/2010
C	ISSUED FOR CONSTRUCTION.	30/03/2010
B	BILBAO PLACE DESIGN AMENDED & BENCHING TO ALLOTMENTS ADDED.	24/03/2010
A	ISSUED FOR CONSTRUCTION.	21/07/2008
P1	PRELIMINARY - NOT FOR CONSTRUCTION - ISSUED FOR OPERATIONAL WORKS APPROVAL.	21/12/07
Issue	Description	Date
Drawn DC	In Association with	
Date 21/12/07	SUNLAND GROUP LIMITED	
Checked [Signature]	STAGE 86, 17 TRADITIONAL RESIDENTIAL LOT SUBDIVISION	
Approved [Signature]	BILBAO PLACE BUSHLAND BEACH	
COPYRIGHT ©		
	STORMWATER DRAIN LINE PLAN	
	Drawing Number	Issue
	SUN86/11	D

