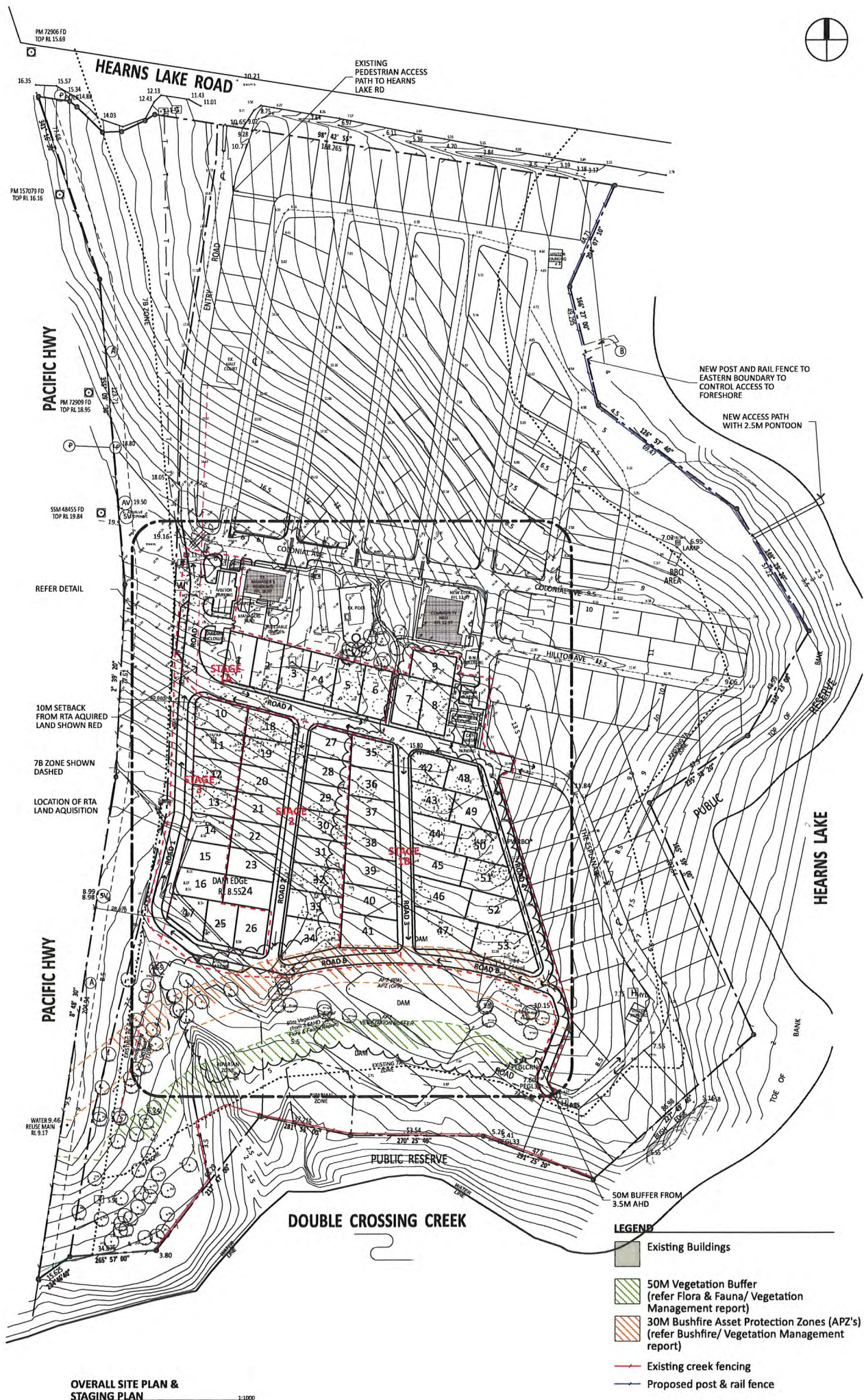




REVISION

NO	DESCRIPTION	DATE
1	Prepared for Traffic Impact Assessment	28.4.09
2	Prepared for Traffic Impact Assessment	28.4.09
3	Modified program for revised Consultant Reports	1.9.09
4	30 additional sites	
5	Additional visitor parking spaces	
6	Environmental Impact Assessment	
7	30 additional sites	
8	Modified program for revised Consultant Reports	2.9.09
9	30 additional sites	
10	30 additional sites	
11	30 additional sites	
12	30 additional sites	
13	30 additional sites	
14	30 additional sites	
15	30 additional sites	
16	30 additional sites	
17	30 additional sites	
18	30 additional sites	
19	30 additional sites	
20	30 additional sites	
21	30 additional sites	
22	30 additional sites	
23	30 additional sites	
24	30 additional sites	
25	30 additional sites	
26	30 additional sites	
27	30 additional sites	
28	30 additional sites	
29	30 additional sites	
30	30 additional sites	
31	30 additional sites	
32	30 additional sites	
33	30 additional sites	
34	30 additional sites	
35	30 additional sites	
36	30 additional sites	
37	30 additional sites	
38	30 additional sites	
39	30 additional sites	
40	30 additional sites	
41	30 additional sites	
42	30 additional sites	
43	30 additional sites	
44	30 additional sites	
45	30 additional sites	
46	30 additional sites	
47	30 additional sites	
48	30 additional sites	
49	30 additional sites	
50	30 additional sites	
51	30 additional sites	
52	30 additional sites	
53	30 additional sites	

Major Project Number: MP 08_0005 approved on 4 June 2012

by the Deputy Director-General, DASP under delegation from the Minister for Planning and Infrastructure, in accordance with the Environmental Planning & Assessment Act 1979, subject to conditions of approval.

Signed: [Signature]

Urban Group Australia

Overall Site Plan, Detail Site Plan & Staging Plan

SCALE 1:500

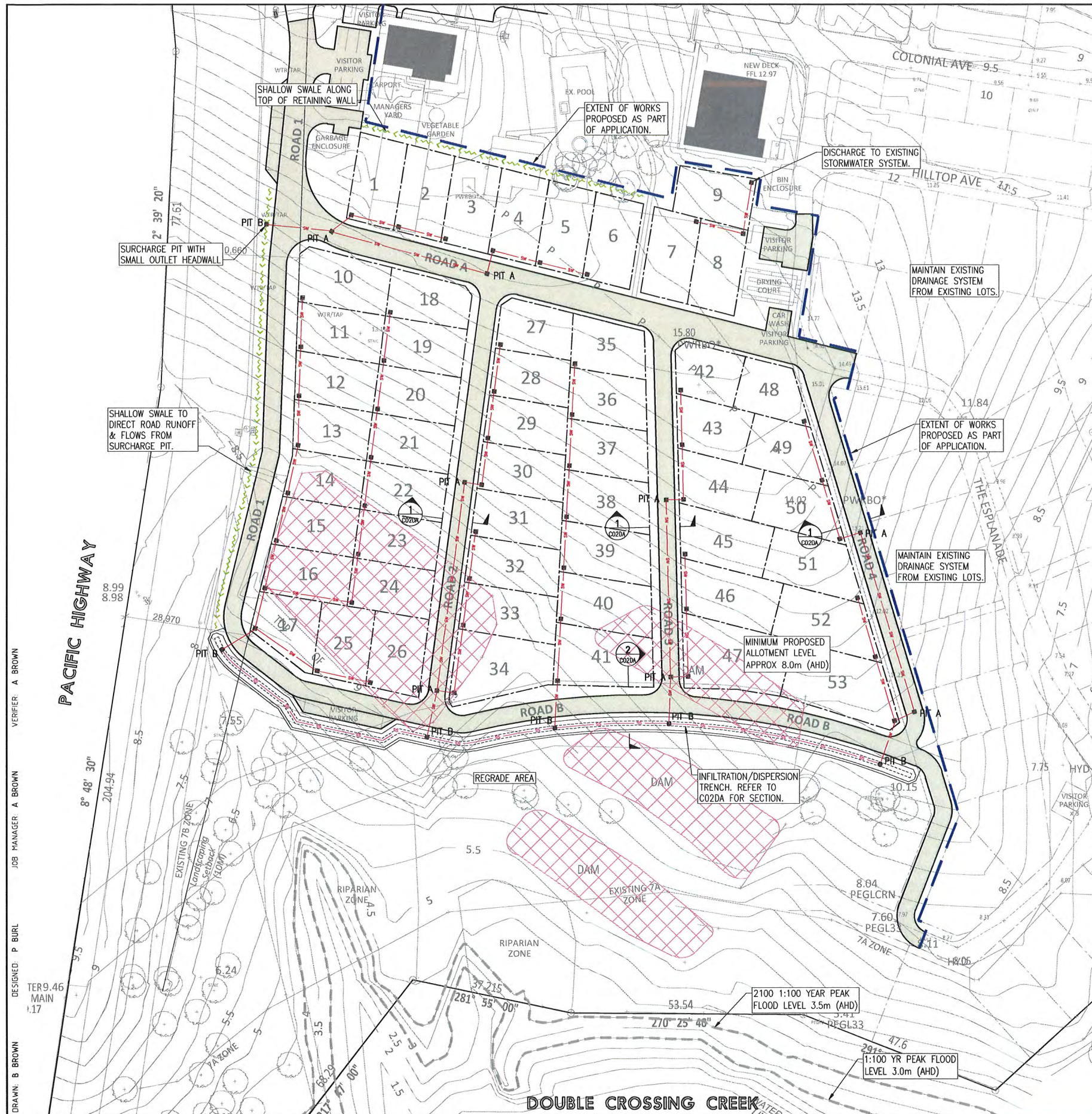
DATE 28.4.09

DESIGNED BY [Name]

DRAWN BY [Name]

CHECKED BY [Name]

DA-04 D



LEGEND

- [Symbol] DENOTES INDICATIVE EXTENT OF NEW ROAD PAVEMENT.
- [Symbol] DENOTES INDICATIVE EXTENT OF DAM/SEWERAGE SETTLING POND FILLING.
- [Symbol] DENOTES INDICATIVE LOCATION OF NEW STORMWATER PIT IN LOT TO COLLECT ROOF WATER.
- [Symbol] PIT A DENOTES INDICATIVE LOCATION OF NEW STORMWATER PIT IN ROAD WITH FILTER BASKET.
- [Symbol] PIT B DENOTES INDICATIVE LOCATION OF NEW STORMWATER SURCHARGE PIT IN SWALE/DISPERSION TRENCH.
- [Symbol] DENOTES INDICATIVE LOCATION OF NEW STORMWATER PIPE.
- [Symbol] DENOTES INDICATIVE LOCATION OF NEW SLOTTED PIPE IN GRAVEL TRENCH.
- [Symbol] DENOTES INDICATIVE LOCATION OF NEW SWALE.

INDICATIVE CONSTRUCTION STAGE EROSION AND SEDIMENTATION CONTROL NOTES

1. ALL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH RELEVANT ORDINANCES AND REGULATIONS; NOTE IN PARTICULAR THE REQUIREMENTS OF LANDCOMS MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION (THE 'BLUE BOOK').
2. INSTALL SEDIMENT PROTECTION FILTERS ON ALL NEW AND EXISTING STORMWATER INLET PITS IN ACCORDANCE WITH EITHER THE MESH AND GRAVEL INLET FILTER DETAIL SD6-11 OR THE GEOTEXTILE INLET FILTER DETAIL SD6-12 OF THE 'BLUE BOOK'.
3. ESTABLISH ALL REQUIRED SEDIMENT FENCES IN ACCORDANCE WITH DETAIL SD6-B OF THE 'BLUE BOOK'.
4. INSTALL SEDIMENT FENCING AROUND INDIVIDUAL BUILDING ZONES/AREAS AS REQUIRED AND AS DIRECTED BY SUPERINTENDENT.
5. ALL TRENCHES INCLUDING ALL SERVICE TRENCHES AND SWALE EXCAVATION SHALL BE SIDE-CAST TO THE HIGH SIDE AND CLOSED AT THE END OF EACH DAYS WORK.
6. THE SUPERINTENDENT SHALL ENSURE THAT ALL VEGETATION (TREE, SHRUB & GROUND COVER) WHICH IS TO BE RETAINED SHALL BE PROTECTED DURING THE DURATION OF CONSTRUCTION.
7. STRIP TOPSOIL IN AREAS DESIGNATED FOR STRIPPING AND STOCKPILE FOR RE-USE AS REQUIRED.
8. CONSTRUCT AND MAINTAIN ALL MATERIAL STOCKPILES IN ACCORDANCE WITH DETAIL SD4-1 OF THE 'BLUE BOOK' (INCLUDING CUT-OFF SWALES TO THE HIGH SIDE AND SEDIMENT FENCES TO THE LOW SIDE).
9. ENSURE STOCKPILES DO NOT EXCEED 2.5m HIGH. PROVIDE WIND AND RAIN EROSION PROTECTION AS REQUIRED IN ACCORDANCE WITH THE 'BLUE BOOK'.
10. PROVIDE WATER TRUCKS OR SPRINKLER DEVICES DURING CONSTRUCTION AS REQUIRED TO SUPPRESS DUST.
11. ONCE CUT/FILL OPERATIONS HAVE BEEN FINALIZED ALL DISTURBED AREAS THAT ARE NOT BEING WORKED ON SHALL BE RE-VEGETATED AS SOON AS IS PRACTICAL.
12. THE SITE SUPERINTENDENT SHALL BE RESPONSIBLE FOR KEEPING A DETAILED WRITTEN RECORD OF ALL EROSION & SEDIMENT CONTROLS ON-SITE DURING THE CONSTRUCTION PERIOD. THIS RECORD SHALL BE UPDATED ON A DAILY BASIS & SHALL CONTAIN DETAILS ON THE CONDITION OF CONTROLS AND ANY/ ALL MAINTENANCE, CLEANING & BREACHES. THIS RECORD SHALL BE KEPT ON-SITE AT ALL TIMES AND SHALL BE MADE AVAILABLE FOR INSPECTION BY THE PRINCIPAL CERTIFYING AUTHORITY DURING NORMAL WORKING HOURS.



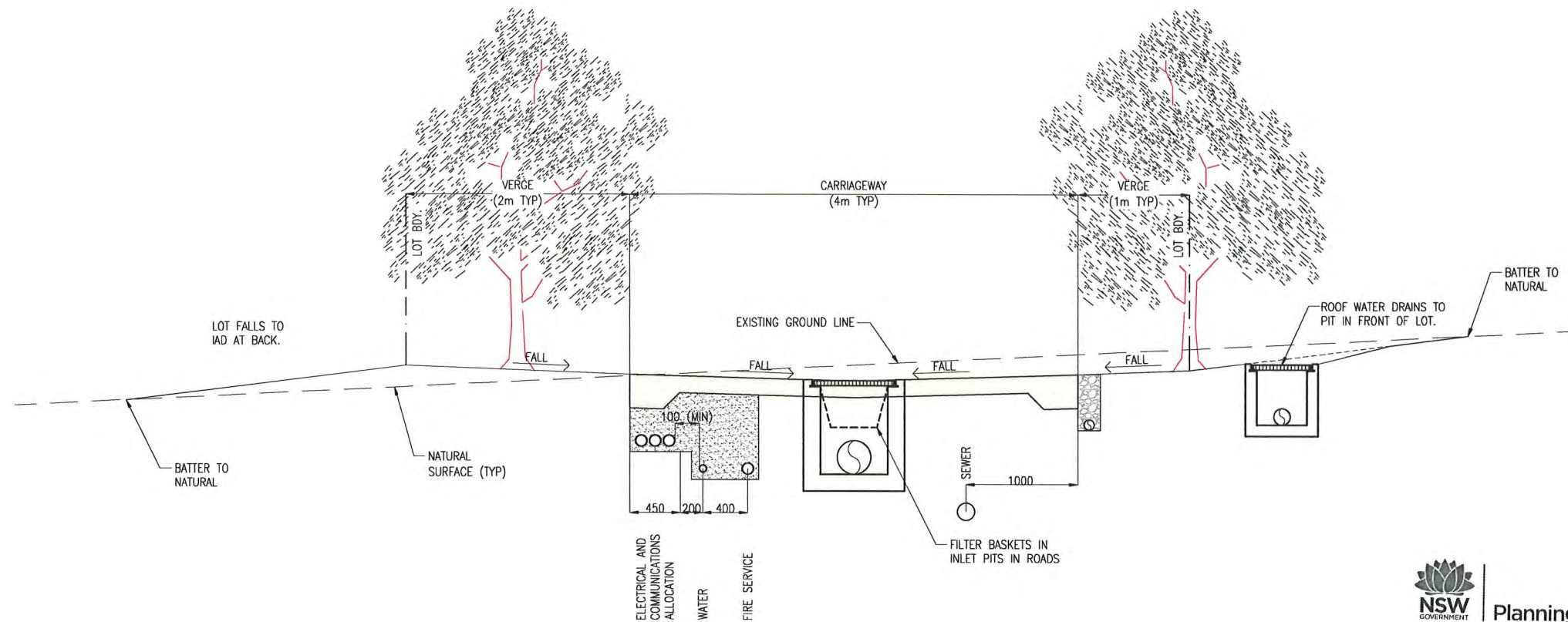
Planning

Major Project Number: **MP 08_0005** approved on **4 June 2012** by the Deputy Director-General, DASP under delegation from the Minister for Planning and Infrastructure, in accordance with the Environmental Planning & Assessment Act 1979, subject to conditions of approval.

Signed:

APPROVAL

ISSUE	AMENDMENT	VERIFIED	APPROVED	DATE	CLIENT		ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE MAKING ANY SHOP DRAWINGS OR COMMENCING ANY WORK		323 Charlestown Road, Charlestown, NSW 2280 Email: newcastle@northrop.com.au	Ph (02) 4943 1777 Fax (02) 4943 1577 ABN 81 094 433 100	P.O. Box 180 Charlestown, NSW 2280	PROJECT THE PINES PACIFIC HIGHWAY WOOLGOOLGA, NSW	DRAWING TITLE CONCEPT STORMWATER PLAN	JOB NUMBER NL080035
A	ISSUED FOR APPROVAL	AB	PB	06.10.09	URBAN GROUP									
B	FLOOD EXTENTS ADDED	AB	PB	22.01.10										
C	RE-ISSUED FOR APPROVAL	AB	PB	18.04.12										
DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED						THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD		DRAWING SHEET SIZE = A1						



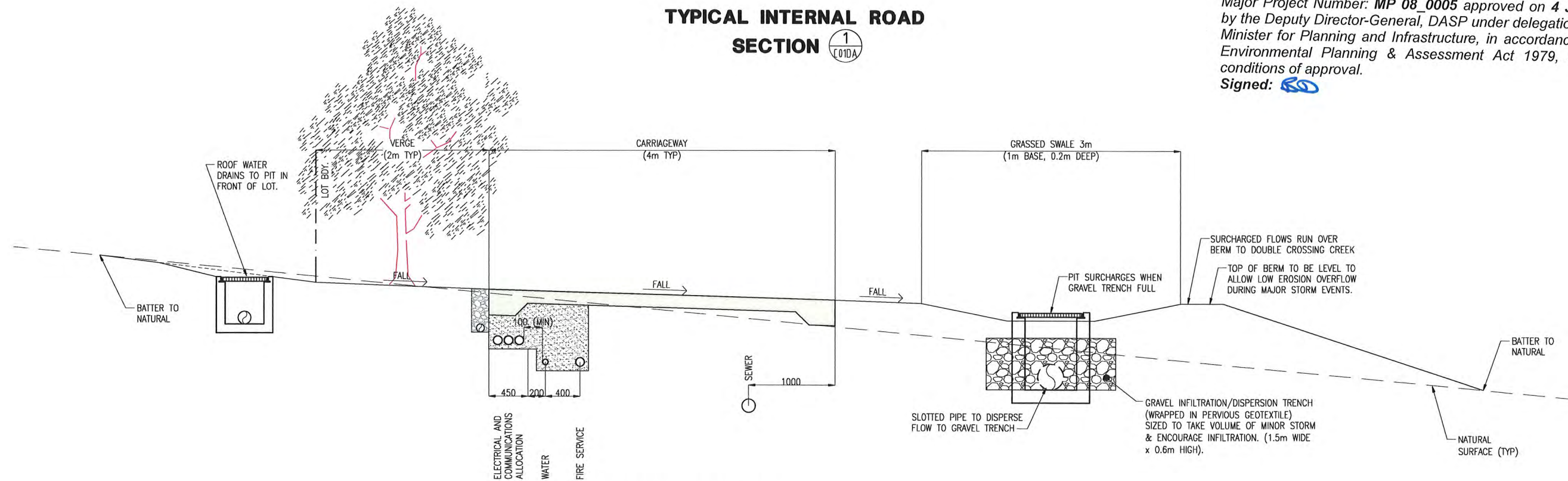
**TYPICAL INTERNAL ROAD
SECTION 1**
C01DA



Planning

Major Project Number: **MP 08_0005** approved on **4 June 2012** by the Deputy Director-General, DASP under delegation from the Minister for Planning and Infrastructure, in accordance with the Environmental Planning & Assessment Act 1979, subject to conditions of approval.

Signed:



**TYPICAL PERIMETER ROAD
SECTION 2**
C01DA

APPROVAL

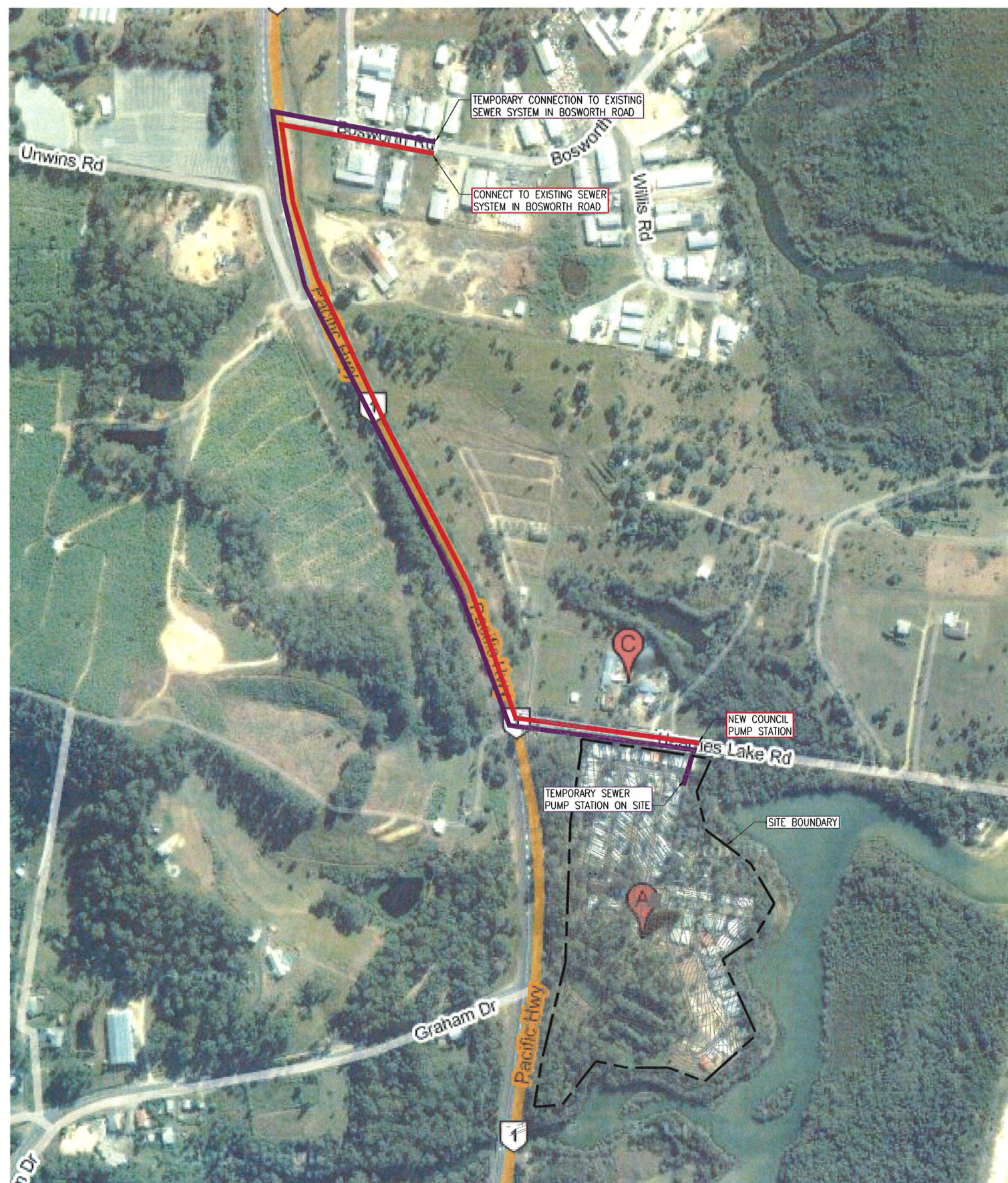
ISSUE	AMENDMENT	VERIFIED	APPROVED	DATE	CLIENT				PROJECT	DRAWING TITLE	JOB NUMBER
A	ISSUED FOR APPROVAL	AB	PB	06.10.09	URBAN GROUP					THE PINES PACIFIC HIGHWAY WOOLGOOLGA, NSW	NL080035
B	RE-ISSUED FOR APPROVAL	AB	PB	18.04.12							
					DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED	THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD.					DRAWING NUMBER C02DA
											ISSUE B
											DRAWING SHEET SIZE = A1

ALL DIMENSIONS TO BE VERIFIED
ON SITE BEFORE MAKING ANY
SHOP DRAWINGS OR COMMENCING
ANY WORK

DETAILS 1:25 0 0.25 0.5 0.75 1.0 1.25m

NORTHROP
Bringing people, ideas & engineering together

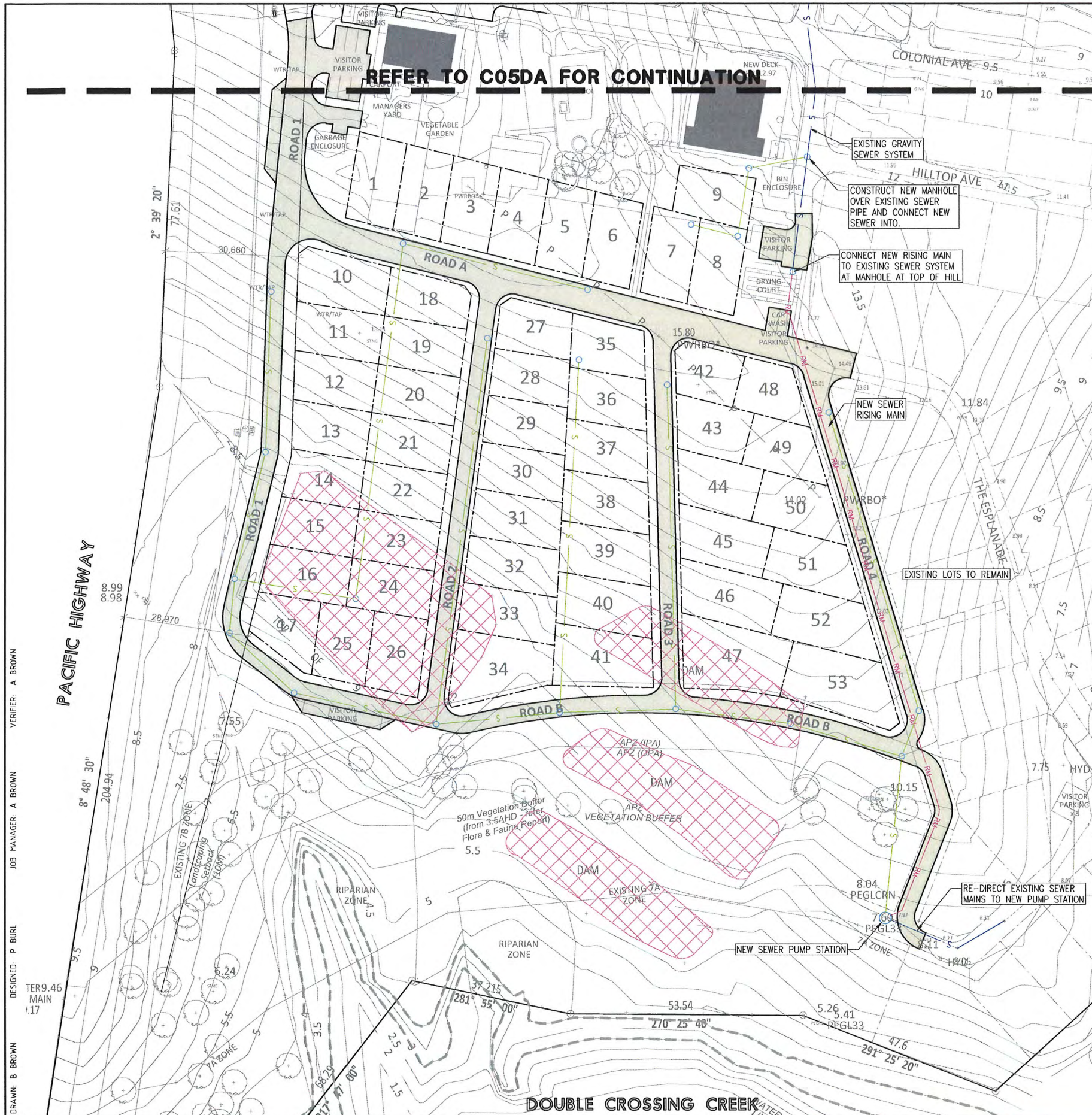
Newcastle
323 Charles Street, NSW 2290 Ph (02) 4943 1777 P.O. Box 180
Charles Street, NSW 2290 Fax (02) 4943 1577
Email newcastle@northrop.com.au ABN 81 094 433 100



 DENOTES PROPOSED 'STRATEGY B'

1. Handwritten signature

ISSUE			VERIFIED	APPROVED	DATE	CLIENT		ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE MAKING ANY SHOP DRAWINGS OR COMMENCING ANY WORK.		PROJECT	DRAWING TITLE	JOB NUMBER	DRAWING NUMBER	ISSUE
A	ISSUED FOR APPROVAL		AB	PB	06.10.09									
						DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED	THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD							



LEGEND

- DENOTES PROPOSED SEWER MANHOLE
- DENOTES EXISTING SEWER PUMP STATION
- S— DENOTES PROPOSED NEW SEWER MAIN
- S— DENOTES EXISTING SEWER MAIN
- RM— DENOTES NEW RISING MAIN



Planning

Major Project Number: **MP 08_0005** approved on **4 June 2012** by the Deputy Director-General, DASP under delegation from the Minister for Planning and Infrastructure, in accordance with the Environmental Planning & Assessment Act 1979, subject to conditions of approval.

Signed:

APPROVAL

ISSUE	AMENDMENT	VERIFIED	APPROVED	DATE
A	ISSUED FOR APPROVAL	AB	PB	06.10.09
B	RE-ISSUED FOR APPROVAL	AB	PB	18.04.12

CLIENT	URBAN GROUP
DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED	THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY. LTD.



ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE MAKING ANY SHOP DRAWINGS OR COMMENCING ANY WORK

PLANS 1:500 0 5 10 15 20 25m

NORTHROP
Bringing people, ideas & engineering together

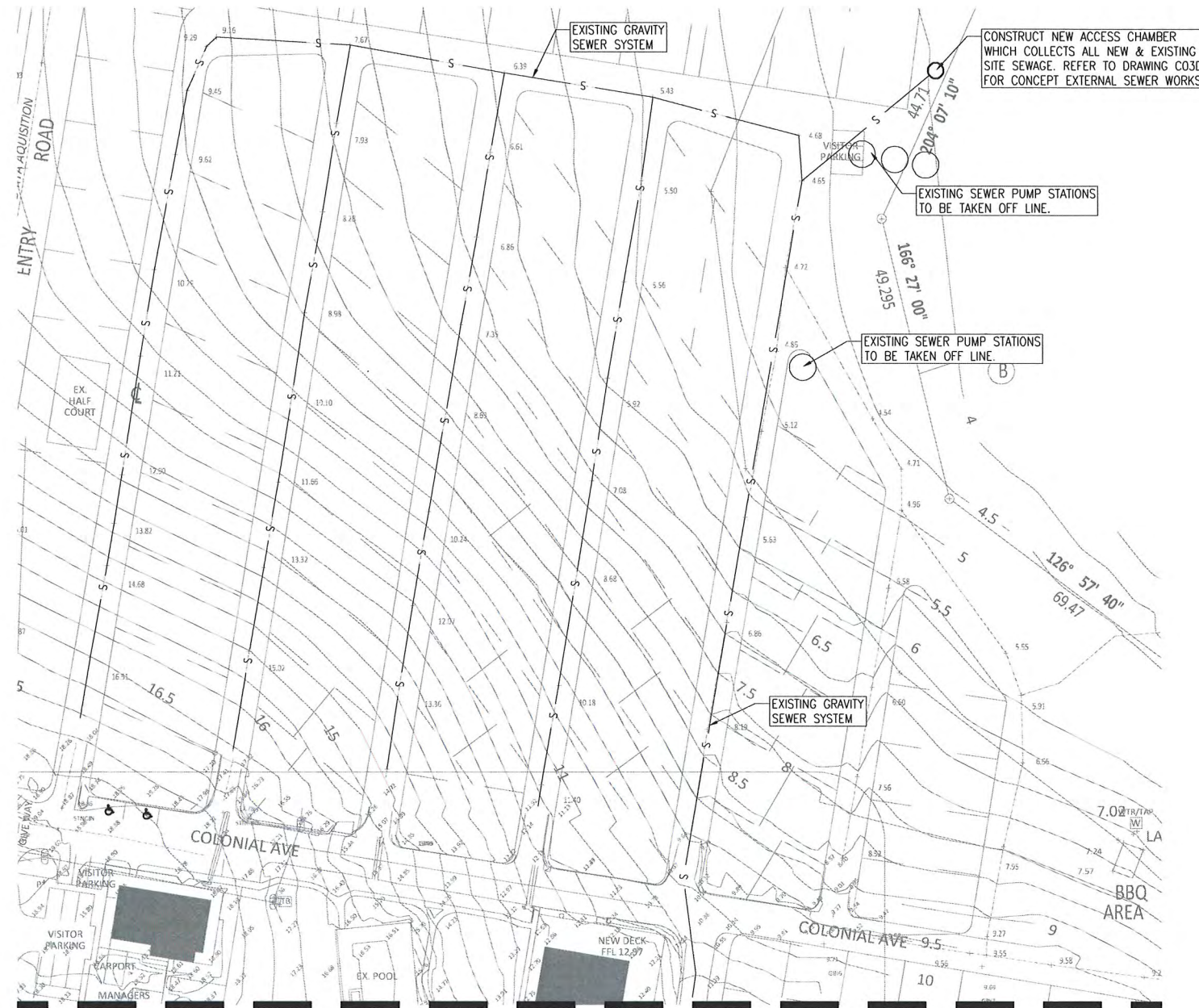
Newcastle
323 Charlestown Road, Charlestown, NSW 2280
Ph (02) 4943 1777
Fax (02) 4943 1577
Email newcastle@northrop.com.au
P.O. Box 180
Charlestown, NSW 2280
ABN 81 094 433 100

PROJECT
THE PINES
PACIFIC HIGHWAY
WOOLGOOLGA, NSW

DRAWING TITLE
CONCEPT SEWER PLAN
SHEET 2 OF 3

JOB NUMBER	NL080035
DRAWING NUMBER	C04DA
ISSUE	B
DRAWING SHEET SIZE	A1

REFER TO C02DA FOR LEGEND



REFER TO C04DA FOR CONTINUATION



Planning

Major Project Number: **MP 08_0005** approved on **4 June 2012** by the Deputy Director-General, DASP under delegation from the Minister for Planning and Infrastructure, in accordance with the Environmental Planning & Assessment Act 1979, subject to conditions of approval.

Signed:

APPROVAL

ISSUE			VERIFIED	APPROVED	DATE	CLIENT	URBAN GROUP		ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE MAKING ANY SHOP DRAWINGS OR COMMENCING ANY WORK.		Bringing people, Ideas & engineering together	PROJECT	THE PINES PACIFIC HIGHWAY WOOLGOOLGA, NSW	DRAWING TITLE CONCEPT SEWER PLAN SHEET 3 OF 3	JOB NUMBER NL080035					
A	ISSUED FOR APPROVAL	AB	PB	06.10.09	DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED											THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD.		PLANS 1:500	323 Charlestown Road, Charlestown, NSW 2290 Ph (02) 4943 1777 Fax (02) 4943 1577 Email newcastle@northrop.com.au AIN 81 094 433 100	P.O. Box 180 Charlestown, NSW 2290 Ph (02) 4943 1577 Email newcastle@northrop.com.au AIN 81 094 433 100
									DRAWING SHEET SIZE = A1											

