

DATE PLOTTED: 1 October 2015 3:58 PM BY: THOMAS SCHUBEL



Cardno (Qld) Pty Ltd | ABN 57 051 074 992
Level 2 - Podium Level, Emerald Lakes Town Centre
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HUTCHINSON BUILDERS

CHINDERAH SERVICES CENTRE - ROAD WORKS

PACIFIC HIGHWAY AND TWEED VALLEY WAY

LANDSCAPE PACKAGE

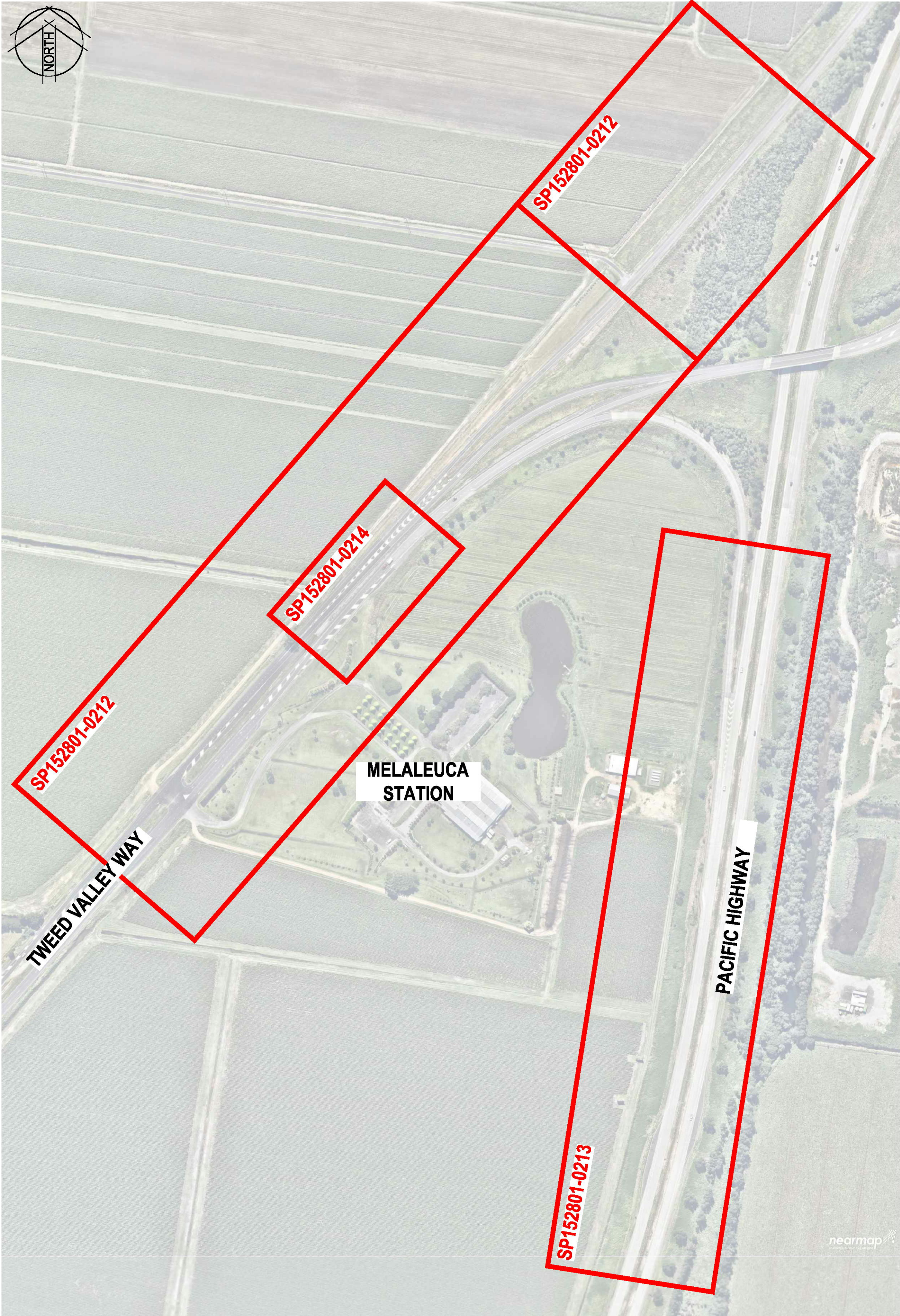
CAD File: I:\2015\Jobs\28_Chinderah Services Centre\01\Drawings\Current Drawings\SP152801_0200-0202_Landscape Cover Sheets & Schedules.dwg

D	01.10.2015	FOR APPROVAL		GM	GM GM
C	22.07.2015	FOR APPROVAL		GM	GM GM
B	02.07.2015	FOR APPROVAL		GM	GM GM
A	01.07.2015	PRELIMINARY ISSUE		GM	GM GM
Rev.	Date	Description	Des.	Verif.	Appd.



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Drawn A.HODGES	Date 01.07.2015	Status			
Checked G.McCORMICK	Date 01.07.2015	FOR APPROVAL			
Designed G.McCORMICK	Date 01.07.2015	NOT TO BE USED FOR CONSTRUCTION PURPOSES			
Verified G.McCORMICK	Date 01.07.2015	Height Datum AHD	Scale N/A	Size A1	
		Drawing Number SP152801-0200	Revision D		



SHEET LAYOUT
SCALE 1: 2500

SCHEDULE OF CARDNO DRAWINGS	
DRAWING No.	DESCRIPTION
SP152801-0200	COVER SHEET
SP152801-0201	DRAWING LIST AND SHEET LAYOUT
SP152801-0212	LANDSCAPE PLAN
SP152801-0213	LANDSCAPE PLAN
SP152801-0214	ROUNABOUT PLAN
SP152801-0216	ROUNABOUT SETOUT & IRRIGATION PLAN
SP152801-0240	LANDSCAPE SECTIONS
SP152801-0250	LANDSCAPE DETAILS
SP152801-0251	LANDSCAPE DETAILS

PLANTING SCHEDULE					
CODE	SPECIES	COMMON NAME	HEIGHT - WIDTH (m)	POT SIZE	NUMBER
TREES					
ARC cun	ARCHONTOPHOENIX cunninghamiana	Bangalow Plam	(15-20) - (2-4)	200L	19
AGA rob	AGATHIS robusta	Kauri Pine	(20-30) - (5-6)	100L	10
SHRUBS & GRASSES					
DOR exc	DORYANTHES excelsa	Gymee Lily	(2.5) - (2.5)	200mm	216

REPLACE WITH DORYANTHES PALMERI

TO BE DELETED

MATERIALS AND FINISHES SCHEDULE					
ELEMENT	DESCRIPTION	MATERIAL / MANUFACTURER	COLOUR	FINISH	NOTES
PT 1 - Concrete Medians	Concrete	Plain concrete	Portland Grey	Broom finish	Refer civil OPW for structural detail.
PT 2 - Coloured Concrete Medians	Concrete	Coloured concrete	CCS Onyx with local light coloured aggregate or approved equivalent	Broom finish with feature sand blast strips refer detail SP152801-251	Refer civil OPW for structural detail.
BS1 - Rock Mulch	Rock mulch to outer roadabout and all garden areas	Local quarry supplies	River Rock	150mm deep 75-100mm Ø on geofabric layer as per detail	
BS2 - Grey Brown Basalt Mulch	Basalt Mulch to inner roundabout	Local quarry supplies	Natural	300mm deep 100-300mm Ø on geofabric layer as per detail	
Feature Basalt Boulders	Basalt columns	Local quarry supplies	Natural	Natural	Refer detail for sizes.
Trees	100/200L street trees	N/A	N/A	NATSPEC certified stock and capable of achieving a minimum clear trunk height of 2m at maturity. 150x150 concrete edge to mulch / turf interface	
Plants	140mm / 200mm stock	N/A	N/A	Refer plant schedule 150x150 concrete edge to mulch / turf interface	
Topsoil	Imported	N/A	N/A	- 75mm min to turf areas - 300mm min to garden areas 50/50 mixed blend with existing	
Grass seed	Grass seed	Grass cover crop - Millet (summer) or Rye (winter) depending on the time of year to get an initial strike for surface stabilisation Secondary grass crop Green Couch to create a long term surface stabilisation that can be sished	N/A	Qty of seeding 20kg/ha cover crop, 40kg/ha couch	



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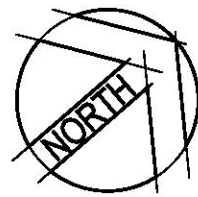
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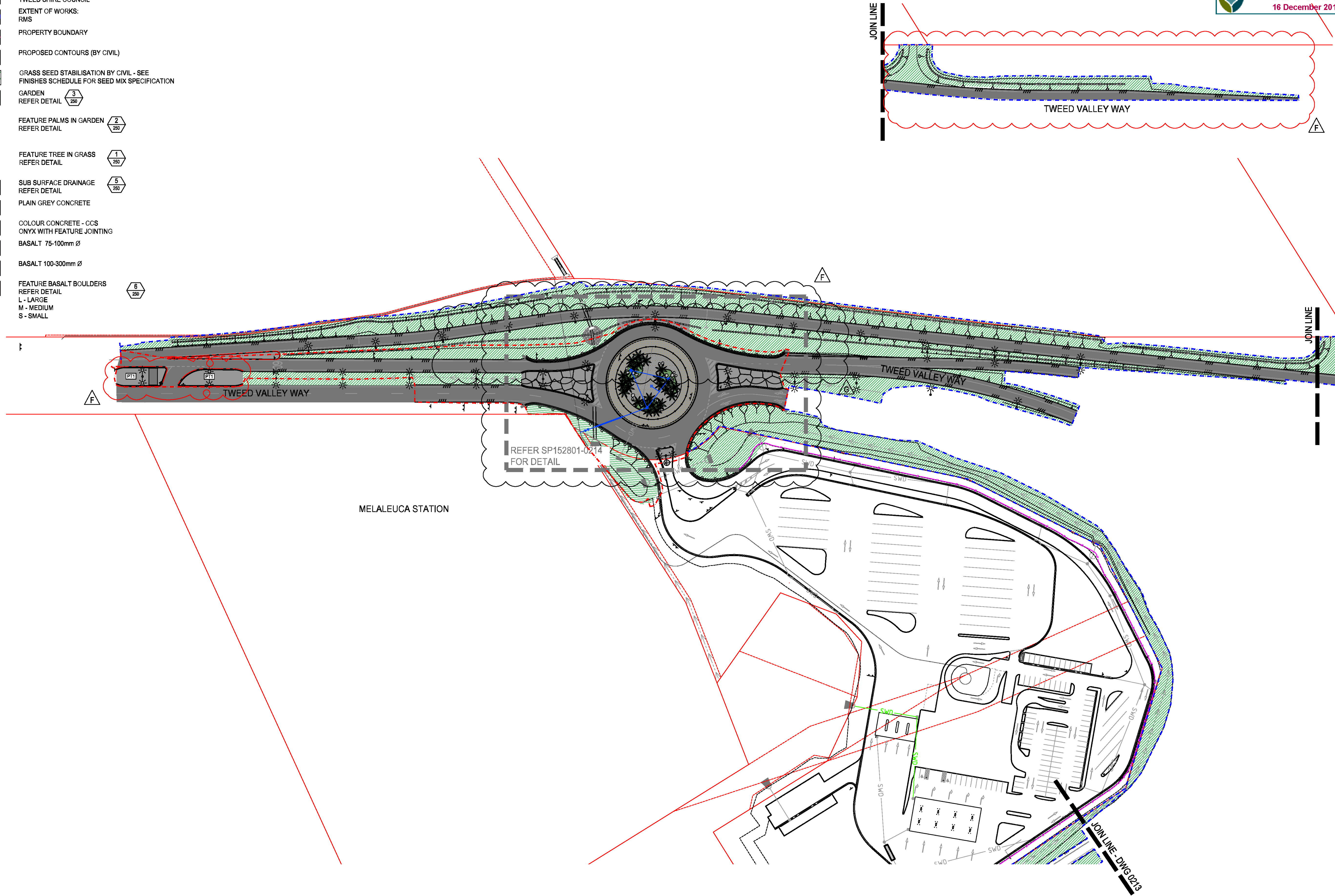
Client HUTCHINSON BUILDERS	Project CHINDERAH SERVICE CENTRE - ROADWORKS PACIFIC HIGHWAY AND TWEED VALLEY WAY
Title DRAWING LIST AND SHEET LAYOUT	

Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES	Height Datum AHD	Scale 1:2500	Size A1
Drawing Number SP152801-0201	Revision E		



LEGEND

- EXTENT OF WORKS:
TWEED SHIRE COUNCIL
- EXTENT OF WORKS:
RMS
- PROPERTY BOUNDARY
- PROPOSED CONTOURS (BY CIVIL)
- GRASS SEED STABILISATION BY CIVIL - SEE
FINISHES SCHEDULE FOR SEED MIX SPECIFICATION
- GARDEN
REFER DETAIL 3
250
- FEATURE PALMS IN GARDEN
REFER DETAIL 2
250
- FEATURE TREE IN GRASS
REFER DETAIL 1
250
- SUB SURFACE DRAINAGE
REFER DETAIL 5
250
- PLAIN GREY CONCRETE
PT1
- COLOUR CONCRETE - CCS
ONYX WITH FEATURE JOINTING
PT2
- BASALT 75-100mm Ø
BS1
- BASALT 100-300mm Ø
BS2
- FEATURE BASALT BOULDERS
REFER DETAIL 6
250
L - LARGE
M - MEDIUM
S - SMALL



Rev.	Date	Description	Des.	Verif.	Appd.
H	01.10.2015	FOR APPROVAL		GM	GM
G	11.09.2015	FOR APPROVAL		GM	GM
F	03.09.2015	FOR APPROVAL		GM	GM
E	28.07.2015	FOR APPROVAL		GM	GM
D	27.07.2015	FOR APPROVAL		GM	GM
C	22.07.2015	FOR APPROVAL		GM	GM
B	02.07.2015	FOR APPROVAL		GM	GM
A	01.07.2015	PRELIMINARY ISSUE		GM	GM



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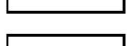
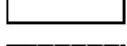
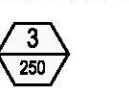
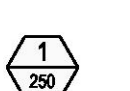
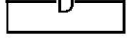
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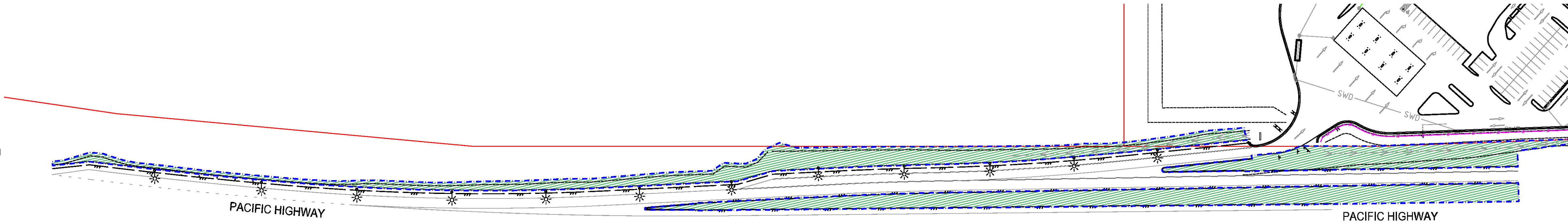
Client **HUTCHINSON BUILDERS**
Project **CHINDERAH SERVICE CENTRE - ROADWORKS
PACIFIC HIGHWAY AND TWEED VALLEY WAY**
Title **LANDSCAPE PLAN**

Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES	Height Datum AHD	Scale 1:1000	Size A1
Drawing Number SP152801-0212	Revision H		



LEGEND

-  EXTENT OF WORKS: TWEED SHIRE COUNCIL
-  EXTENT OF WORKS: RMS
-  PROPERTY BOUNDARY
-  PROPOSED CONTOURS (BY CIVIL)
-  GRASS SEED STABILISATION BY CIVIL - SEE FINISHES SCHEDULE FOR SEED MIX SPECIFICATION
-  GARDEN
REFER DETAIL 
-  FEATURE PALMS IN GARDEN
REFER DETAIL 
-  FEATURE TREE IN GRASS
REFER DETAIL 
-  SUB SURFACE DRAINAGE
REFER DETAIL 
-  PLAIN GREY CONCRETE
-  COLOUR CONCRETE - CCS
ONYX WITH FEATURE JOINTING
-  BASALT 75-100mm Ø
-  BASALT 100-300mm Ø
-  FEATURE BASALT BOULDERS
REFER DETAIL 
L - LARGE
M - MEDIUM
S - SMALL



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F	01.10.2015	FOR APPROVAL		GM	GM
E	28.07.2015	FOR APPROVAL		GM	GM
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C	22.07.2015	FOR APPROVAL		GM	GM
B	02.07.2015	FOR APPROVAL		GM	GM
A	01.07.2015	PRELIMINARY ISSUE		GM	GM

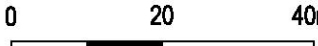


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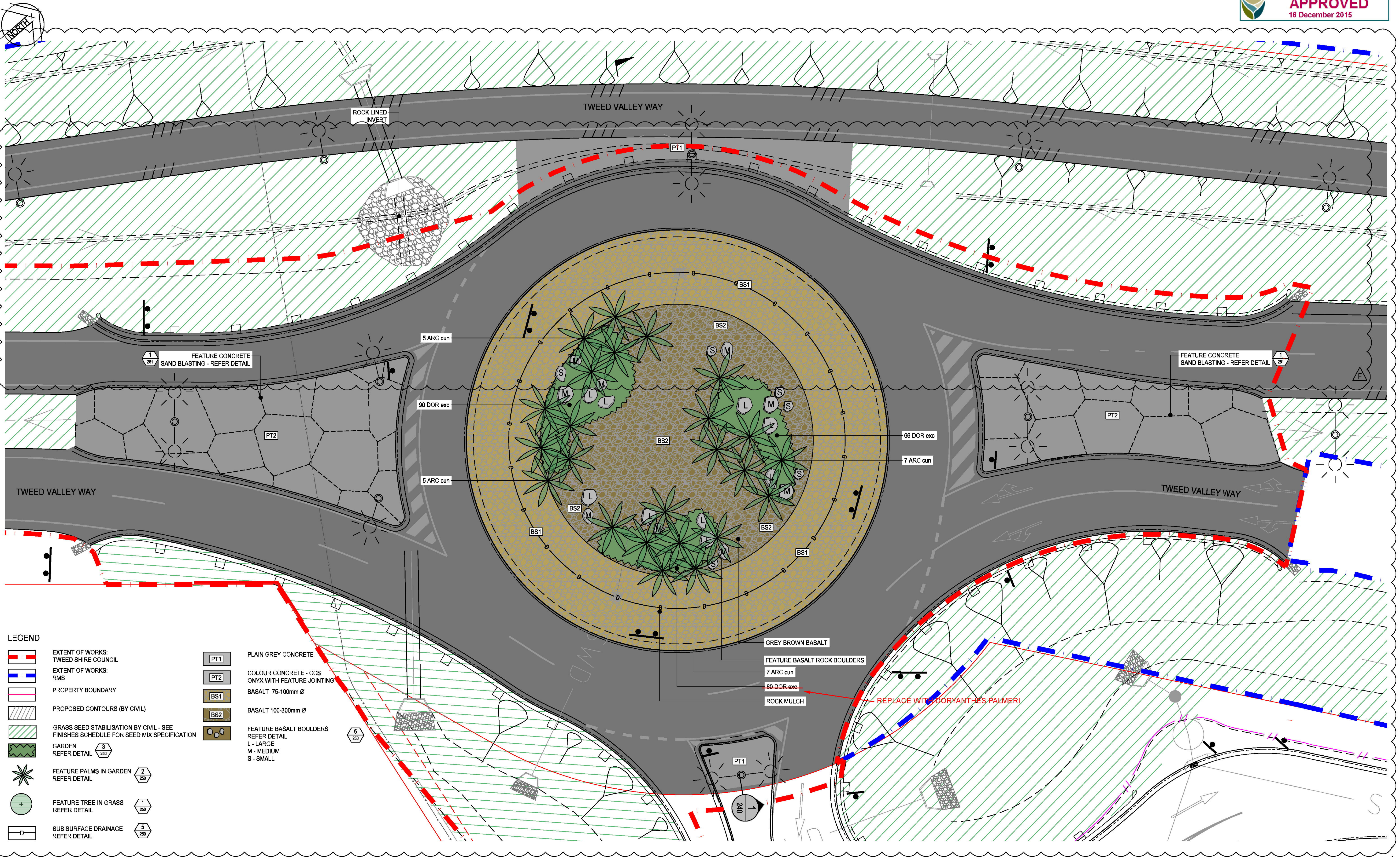


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Drawn A.HODGES	Date 01.07.2015	Client HUTCHINSON BUILDERS
Checked G.McCORMICK	Date 30.06.2015	Project CHINDERAH SERVICE CENTRE - ROADWORKS PACIFIC HIGHWAY AND TWEED VALLEY WAY
Designed G.McCORMICK	Date 30.06.2015	Title LANDSCAPE PLAN
Verified G.McCORMICK	Date 30.06.2015	Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES
 SCALE 1:1000 @A1		Height Datum AHD
		Scale 1:1000
		Size A1
		Drawing Number SP152801-0213
		Revision F

DATE PLOTTED: 2 October 2015 8:42 AM BY: ANDREW HODGES



LEGEND

- EXTENT OF WORKS: TWEED SHIRE COUNCIL
- EXTENT OF WORKS: RMS
- PROPERTY BOUNDARY
- PROPOSED CONTOURS (BY CIVIL)
- GRASS SEED STABILISATION BY CIVIL - SEE FINISHES SCHEDULE FOR SEED MIX SPECIFICATION
- GARDEN REFER DETAIL
- FEATURE PALMS IN GARDEN REFER DETAIL
- FEATURE TREE IN GRASS REFER DETAIL
- SUB SURFACE DRAINAGE REFER DETAIL

- PT1 PLAIN GREY CONCRETE
- PT2 COLOUR CONCRETE - CCS ONYX WITH FEATURE JOINTING
- BS1 BASALT 75-100mm Ø
- BS2 BASALT 100-300mm Ø
- FEATURE BASALT BOULDERS REFER DETAIL
- L - LARGE
- M - MEDIUM
- S - SMALL

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C	22.07.2015	FOR APPROVAL	GM	GM	GM
B	02.07.2015	FOR APPROVAL	GM	GM	GM
A	01.07.2015	PRELIMINARY ISSUE	GM	GM	GM



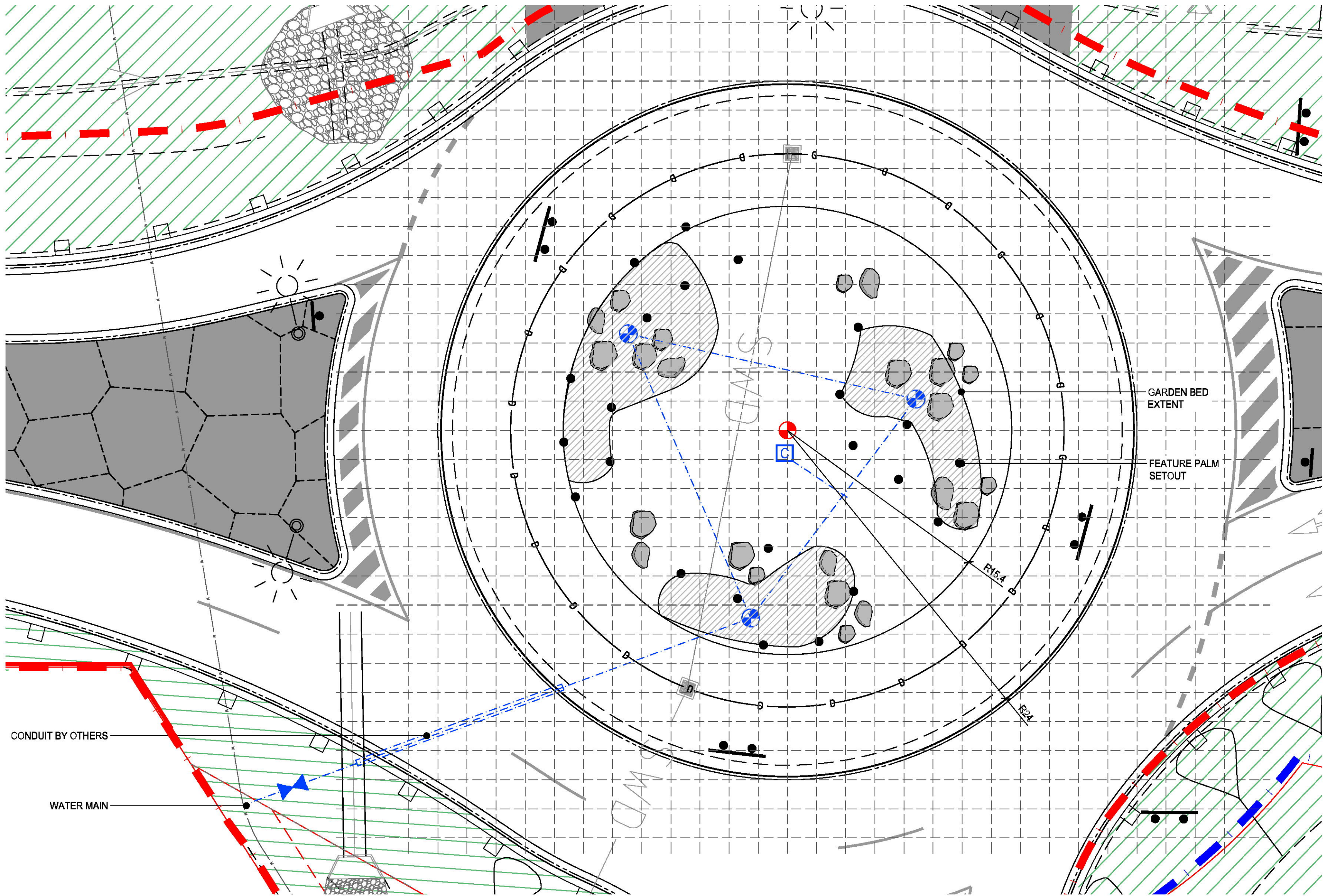
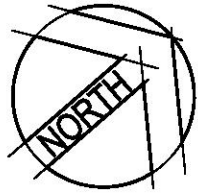
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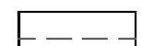
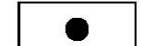
Drawn	A.HODGES	Date	01.07.2015
Checked	G.McCORMICK	Date	30.06.2015
Designed	G.McCORMICK	Date	30.06.2015
Verified	G.McCORMICK	Date	30.06.2015

Client **HUTCHINSON BUILDERS**
Project **CHINDERAH SERVICE CENTRE - ROADWORKS**
PACIFIC HIGHWAY AND TWEED VALLEY WAY
Title **ROUNABOUT PLAN**

Status	FOR APPROVAL		
Height Datum	AHD	Scale	1:200
Drawing Number	SP152801-0214		Revision
			G



LEGEND

-  2 METRE SETOUT GRID
-  SET OUT POINT
-  FEATURE PALM
-  FEATURE BASALT BOULDERS
-  25mm Ø IRRIGATION MAINLINE
-  LIET SOLAR POWERED,
PEDESTAL MOUNTED,
IRRIGATION CONTROLLER
-  SOLONOID REMOTE CONTROL
VALVE EACH STATION 4.7 LPS
-  BACKFLOW PREVENTOR AND
FILTER & SHUTOFF VALVE

B	01.10.2015	FOR APPROVAL				GM	GM	GM	
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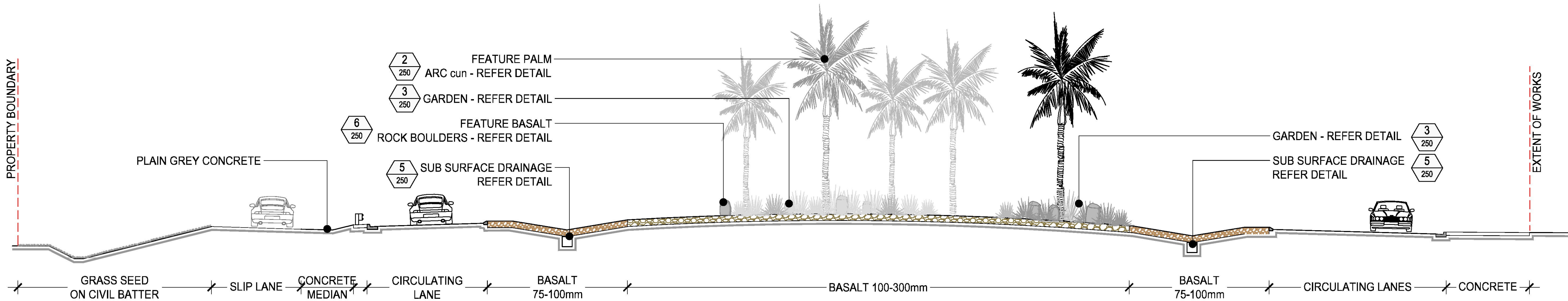


SCALE 1:200 @A1

Client HUTCHINSON BUILDERS	Project CHINDERAH SERVICE CENTRE - ROADWORKS PACIFIC HIGHWAY AND TWEED VALLEY WAY	Title ROUNDAABOUT SETOUT & IRRIGATION PLAN
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Status NOT TO BE USED FOR CONSTRUCTION PURPOSES	Scale 1:200	Size A1
Drawing Number SP152801-0216	Revision B	

DATE PLOTTED: 4 September 2015 11:41 AM BY: THOMAS SCHUBEL



LANDSCAPE SECTION
NTS

1

240

CAD File: I:\2015\9028_Chinderah Service Centre\01\Drawings\Current\Drawings\SP152801_0240_Landscape Sections.dwg

D	03.09.2015	FOR APPROVAL		GM	GM
C	22.07.2015	FOR APPROVAL		GM	GM
B	02.07.2015	FOR APPROVAL		GM	GM
A	01.07.2015	PRELIMINARY ISSUE		GM	GM
Rev.	Date	Description	Des.	Verif.	Appd.



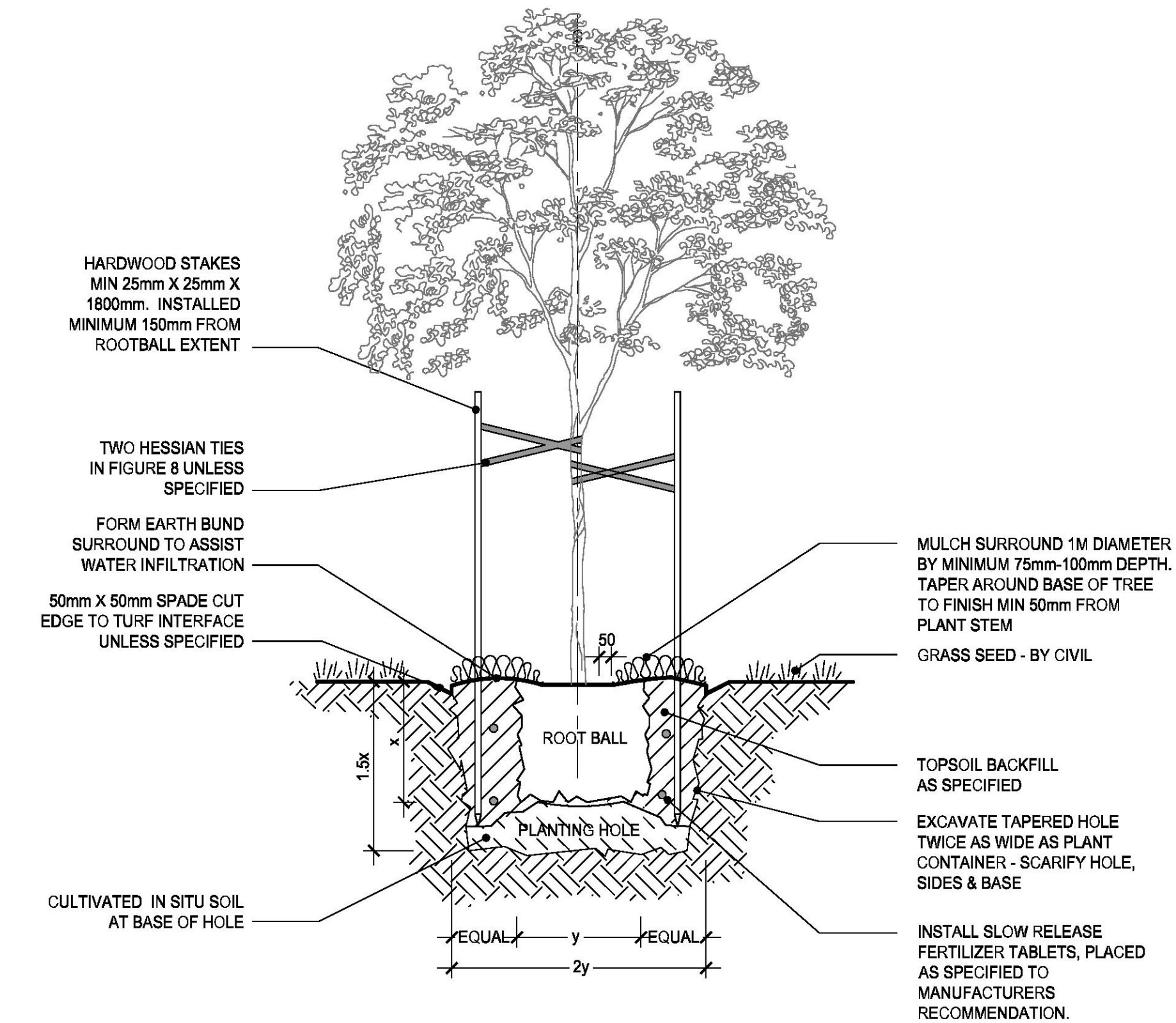
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Designed G.McCORMICK	Date 30.06.2015	Title LANDSCAPE SECTIONS
Verified G.McCORMICK	Date 30.06.2015	Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES
		Height Datum AHD
		Scale AS SHOWN
		Size A1
		Drawing Number SP152801-0240
		Revision D

DATE PLOTTED: 4 September 2015 9:30 AM BY: THOMAS SCHUBEL

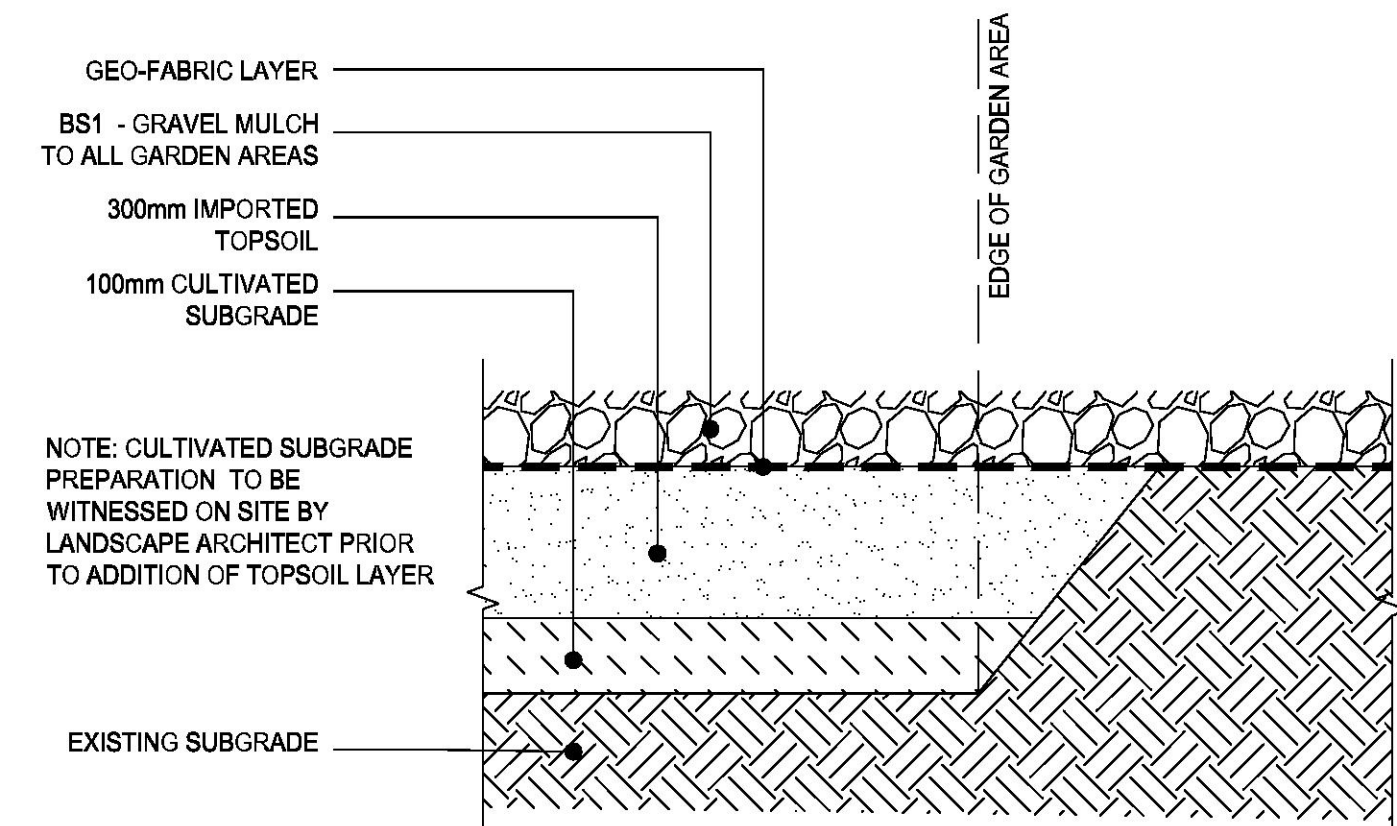


FEATURE TREE IN GRASS

1:20 @ A1

1

250

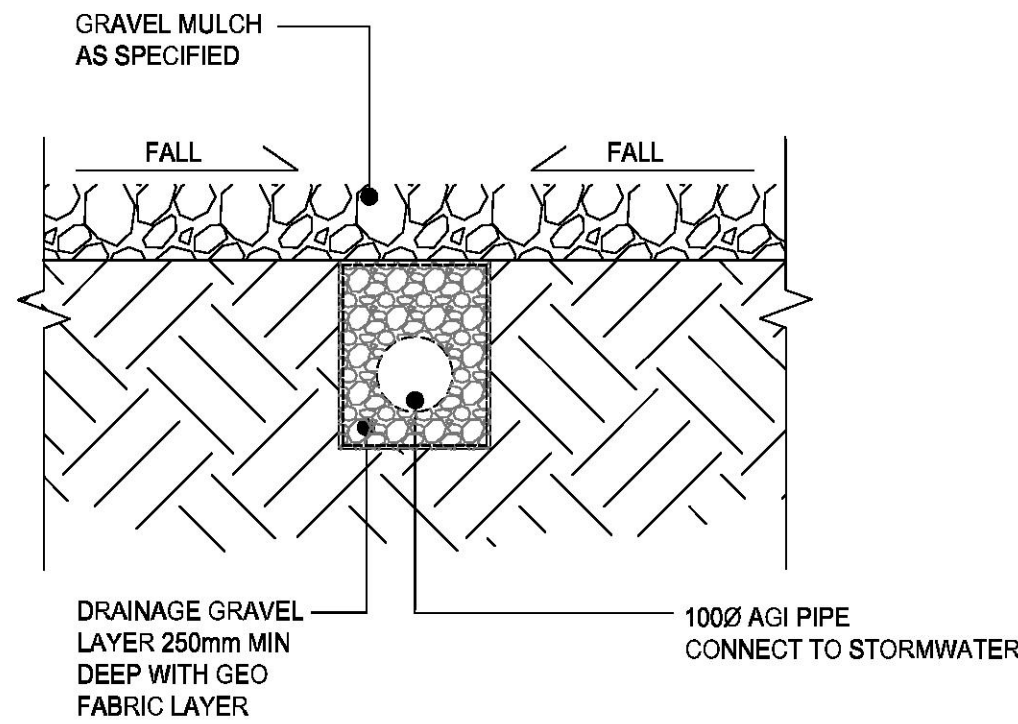


TYPICAL GARDEN AREA

1:10 @ A1

3

250

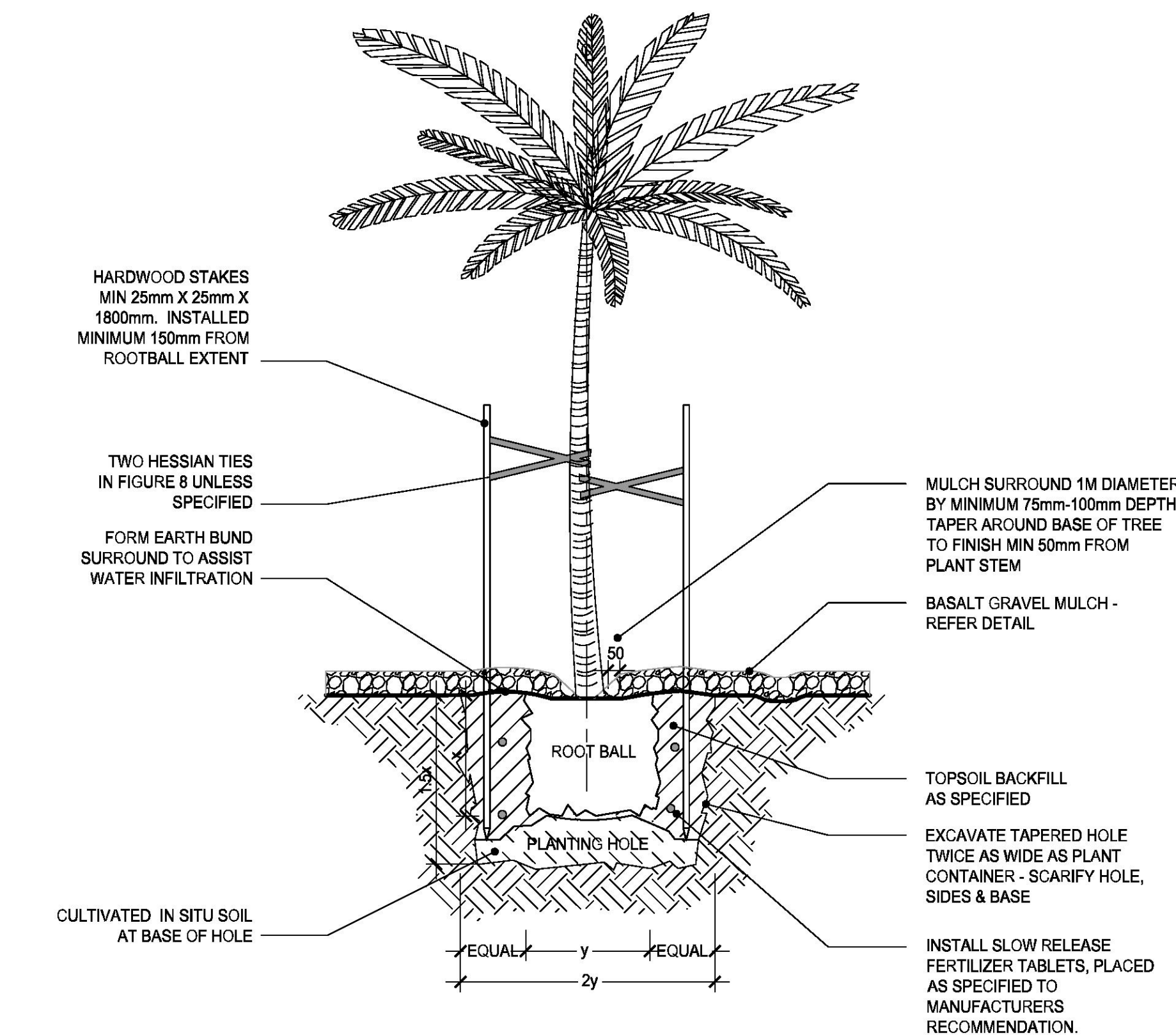


SUB SURFACE DRAINAGE DETAIL

1:10 @ A1

4

250

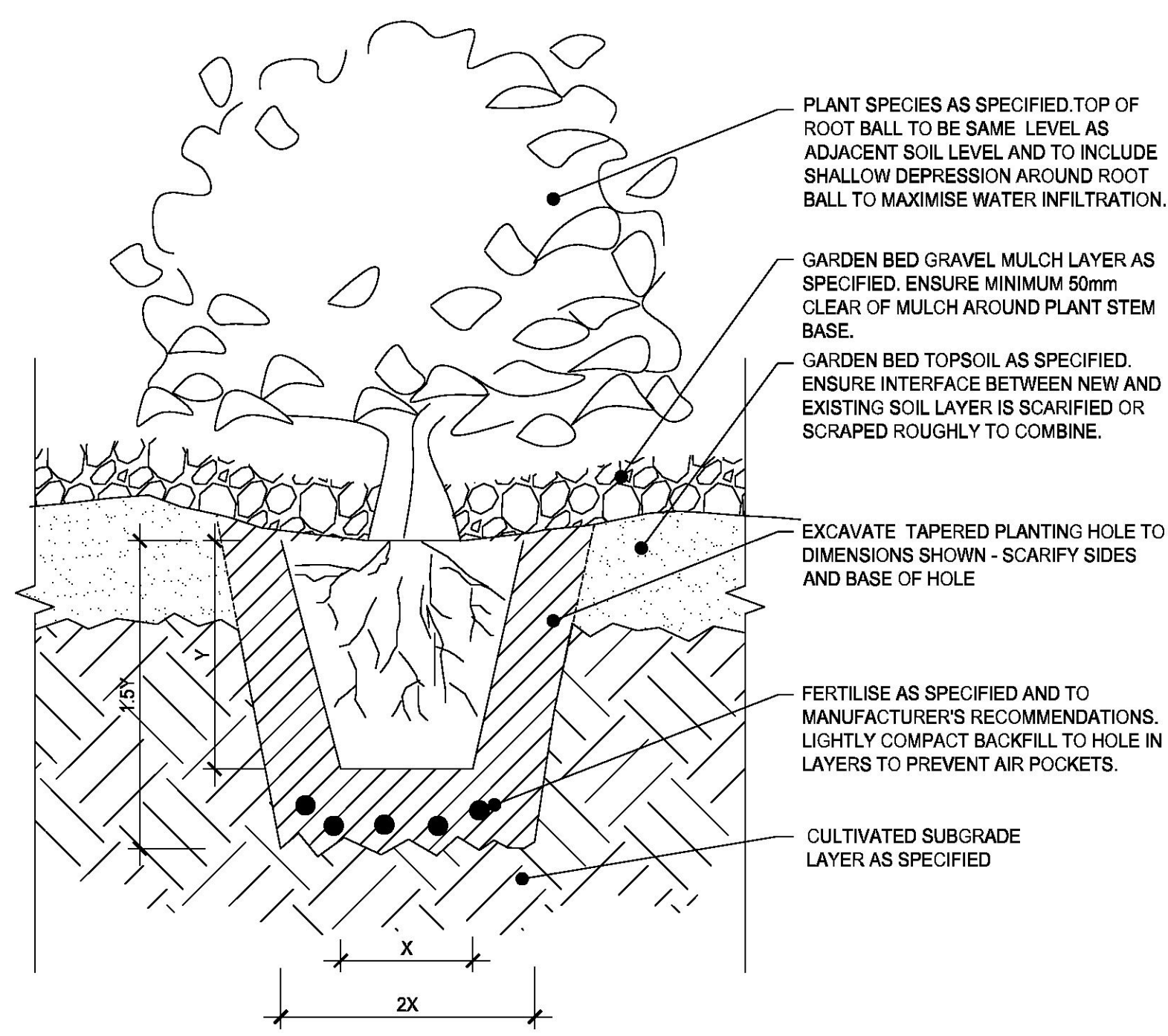


FEATURE PALM IN GARDEN

1:20 @ A1

2

250

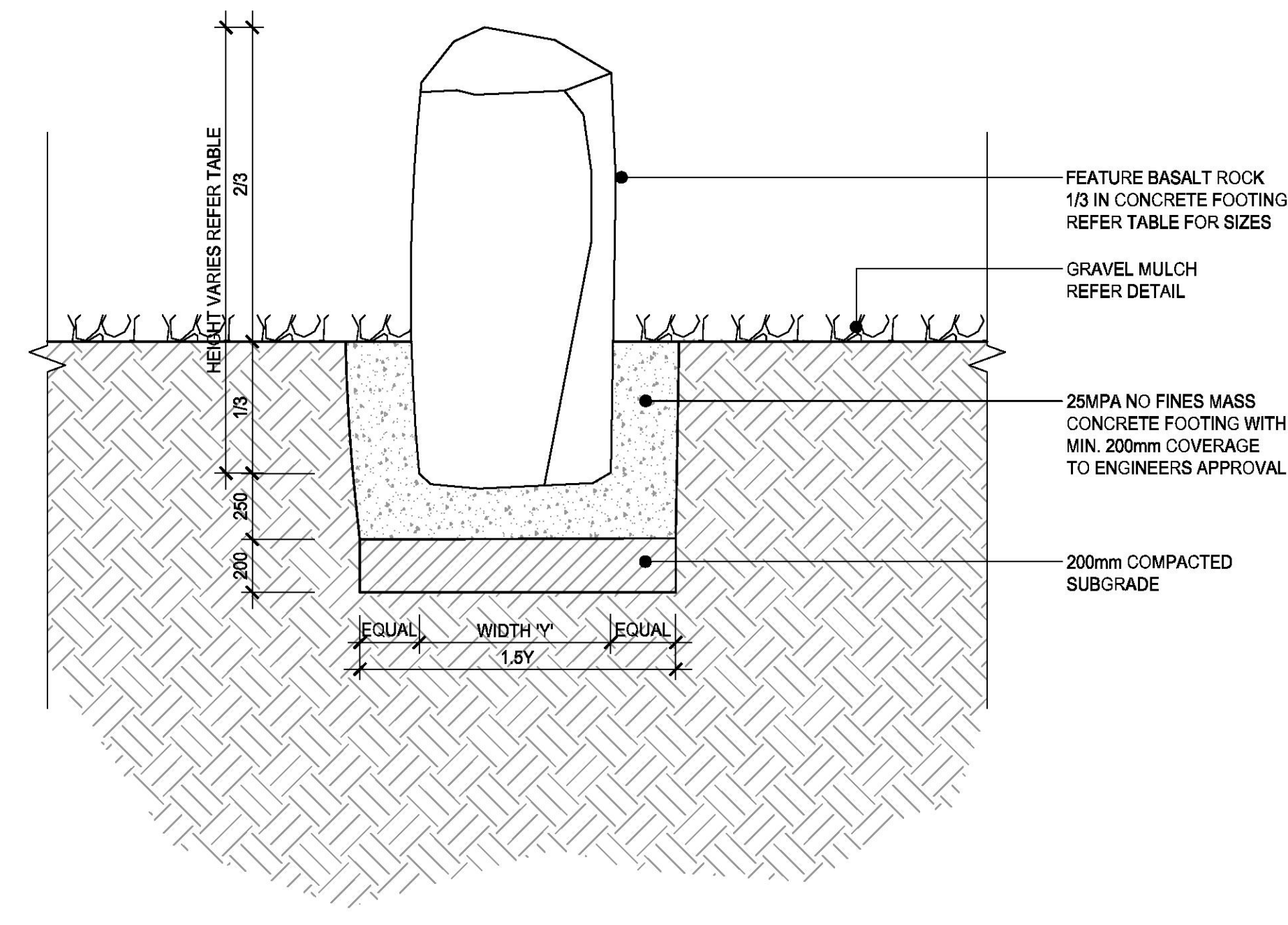


TYPICAL PLANTING DETAIL

1:10 @ A1

4

250



TYPICAL FEATURE ROCK DETAIL

1:20 @ A1

6

250

FEATURE ROCK SIZES TABLE

TYPE	HEIGHT	WIDTH
LARGE	2.5-3.5m	0.8-1m
MEDIUM	1.5-2.5m	0.6-0.8m
SMALL	1-1.5m	0.4-0.6m

CAD File: I:\2015\pda\28_Chinderah Service Centre\01\Drawings\Current\Drawings\SP152801_02501 Landscape Details.dwg

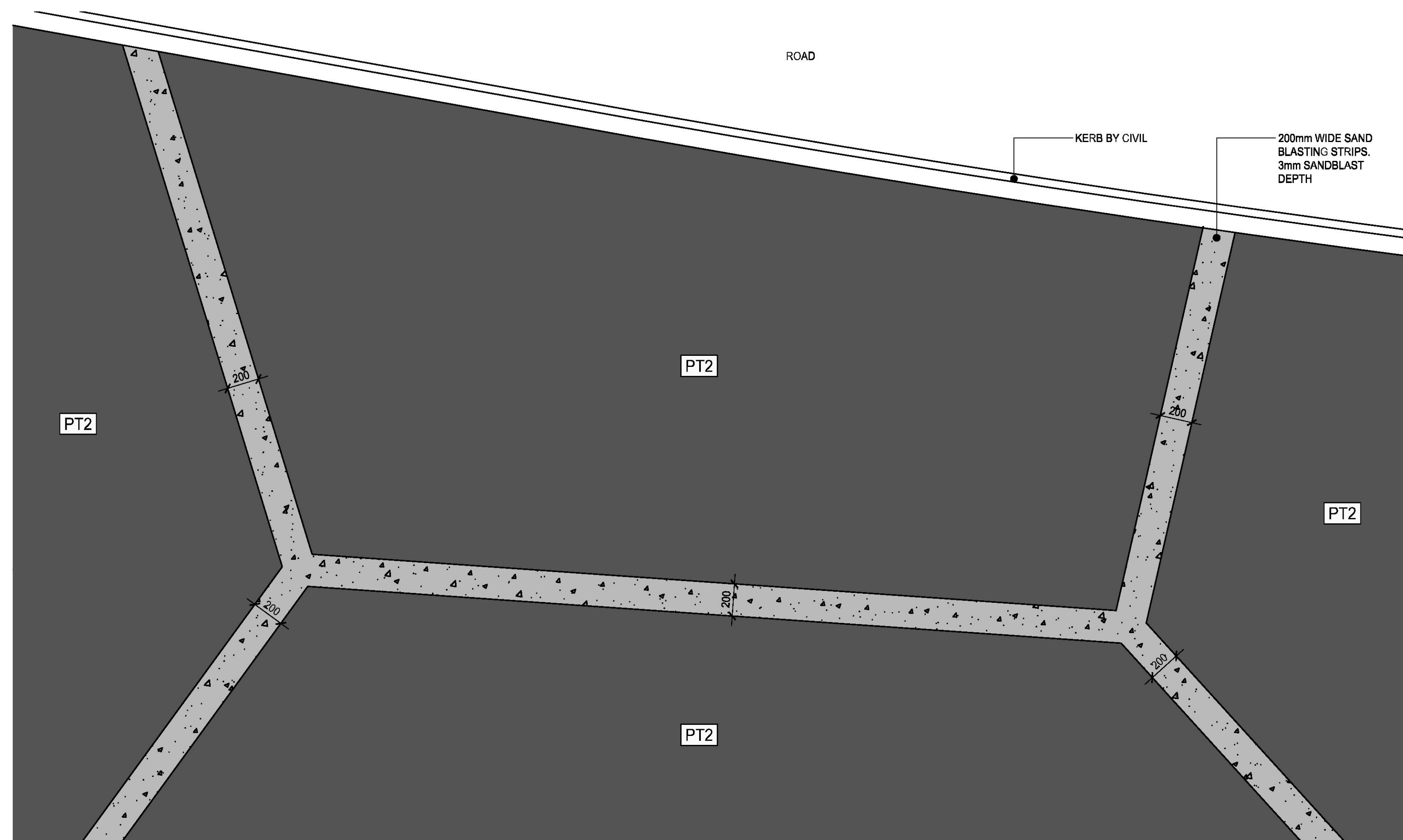
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Designed G.McCORMICK 30.06.2015	Date 30.06.2015	Title LANDSCAPE DETAILS
Verified G.McCORMICK 30.06.2015	Date 30.06.2015	
Status NOT TO BE USED FOR CONSTRUCTION PURPOSES		
Height Datum AHD	Scale AS SHOWN	Size A1
Drawing Number SP152801-0250		Revision A



1:20 @ A1

1

251



NTS

3

25

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		Drawing Number SP152801-0251		Revision A			