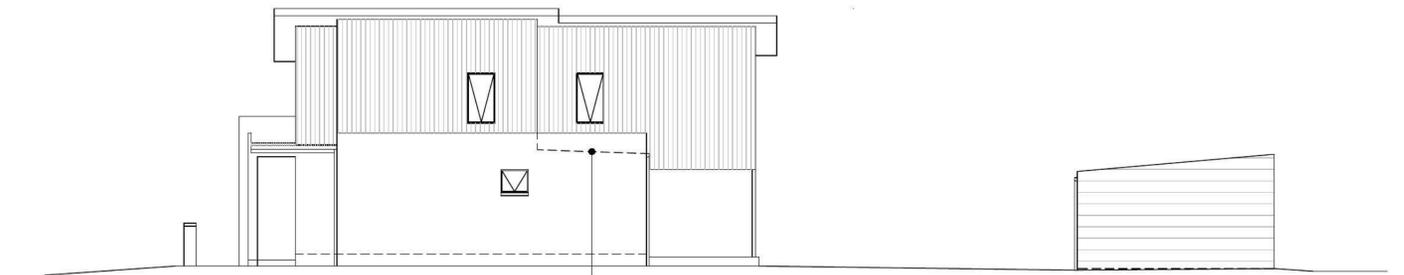


FRONT Elevation
(to William Hart Crescent)



SIDE Elevation (West)

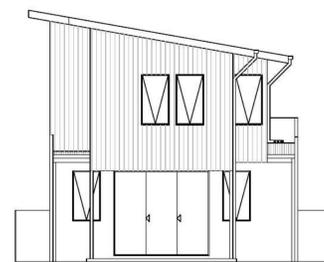
ITEM	MATERIAL	COLOUR
Lower walls	JH Stria cladding Wide profile @ 325mm	Dulux 'Paving Stone'
Upper walls	JH Axon cladding Grooves @ 133mm	Dulux 'Ghosting'
Balcony Piers	FRC sheet cladding	Dulux 'Hildegard'

GENERAL FINISHES

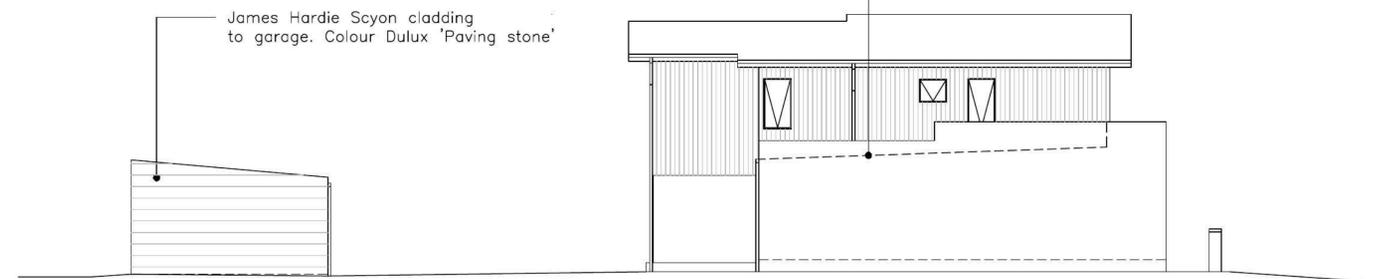
ITEM	Material	Colour*
Roof	Custom orb	Woodland Grey
Fascia & Gutter	Metal	Woodland Grey
Eaves Lining	FRC Sheet	White
Windows & sliding doors	Aluminum	Monument
Balcony Balustrade	Metal	Monument
Front door	Timber	Natural
Garage door	Metal	Bushland

* Colorbond range

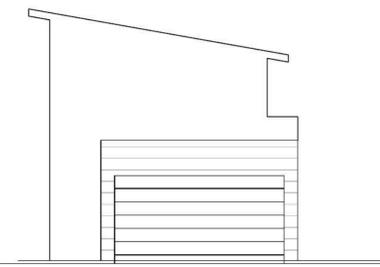
-  JH Stria cladding – Wide Profile
325mm wide
-  JH Stria cladding – Splayed Profile
255mm wide
-  JH Axon cladding – Splayed Profile
Grooves @133mm centres
-  Painted FC Sheeting
Textured finish



REAR Elevation



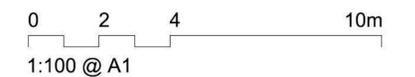
SIDE Elevation (East)



REAR (To Stoddart Lane)

Lysaght Trimdek metal roof @ 2 deg.
behind parapet. Colour Dulux 'Monument'

James Hardie Scyon cladding
to garage. Colour Dulux 'Paving stone'



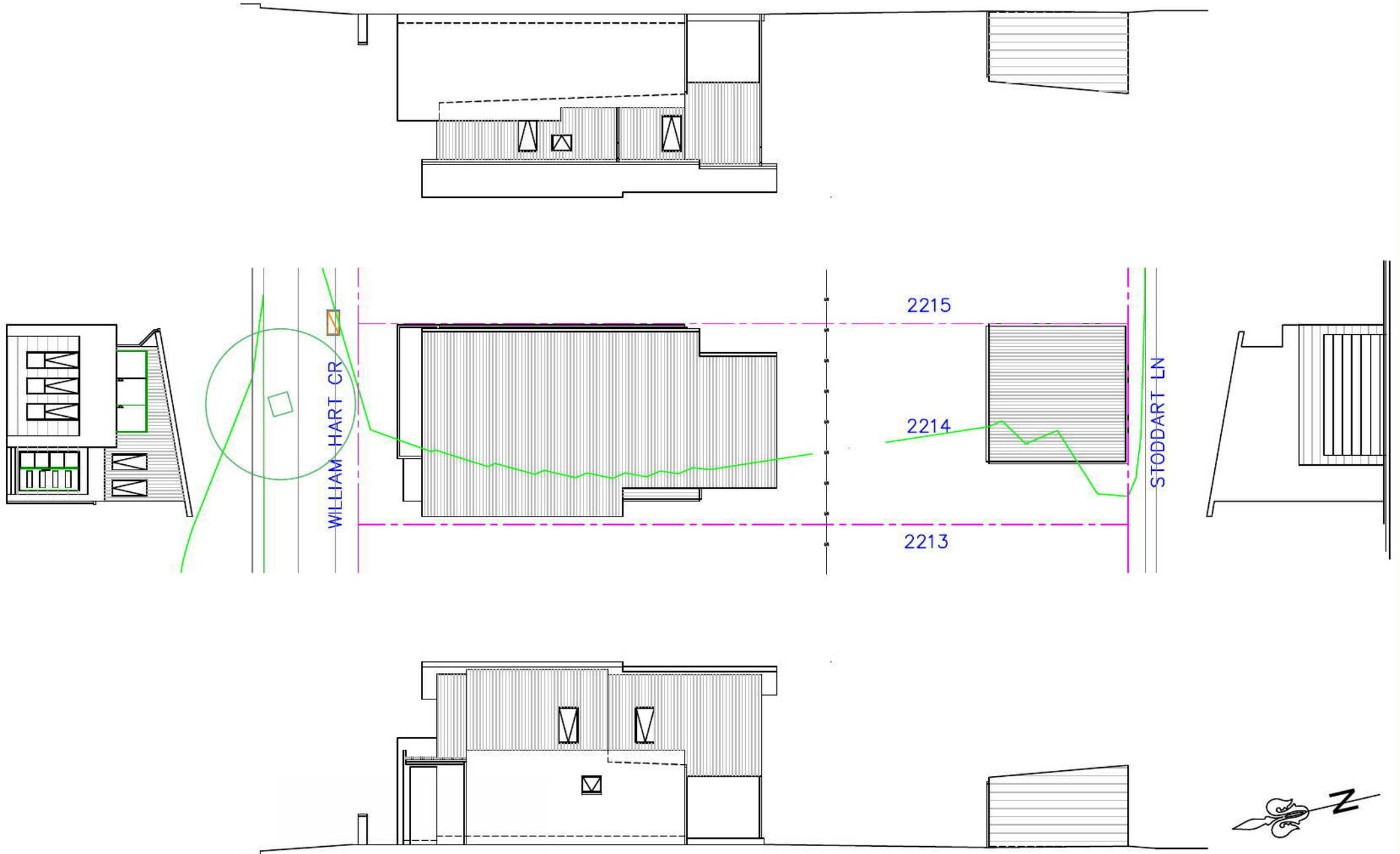
Rev	Date	Amendment:
–	–	–



Prepared by
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THORNTON
Lot 2214
William Hart Crescent
ELEVATIONS & COLOUR SCHEDULE

Date: 15/4/14
Scale: 1:100 @ A1
THORNTON 2214.DA.2



Thatcher
homes

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THORNTON
Lot 2214
William Hart Crescent
NOTIFICATION PLAN

Date: 15/4/14
Scale: 1:200 @ A4
THORNTON 2214.DA.0

The following have been identified as significant environmental aspects for the site:
 - Noise
 - Dust
 - Erosion and Sediment
 - Waste
 These aspects shall be managed with the environmental protection measures outlined on this plan.

Management	
1. Responsibilities: Construction manager, Michael Bianco to be responsible for implementation of all EMP measures Emergency contact 1: Michael Bianco 0418 299996 Emergency contact 2: Paul Jumikis 0411 614112	4. Staging of Works: N/A
2. Communication of Site EMP Requirements: This plan to be posted in site office All personnel to be informed of EMPs upon site induction	5. Informing Residents: N/A
3. Inspections and Maintenance Integrity of silt fence and gravel sausages to be inspected daily. After rain, effectiveness of silt fence and gravel sausages to be checked and system repaired or augmented as required	6. Associated documents:

Noise Risk: Significant
 Requirement: EPA and Council requirements must be adhered to in relation to the level of noise and working hours, to ensure that residents and other applicable neighbours to the site are not disturbed unreasonably. The generation of noise must be minimised.

7. Working hours: Mon-Fri 7:00am - 5:00pm Sat 7:00am - 12:00pm No construction activities Sunday or Public Holidays	8. Noise Minimisation Methods: Noise generated not to exceed limits specified in Protection of Environment Act 1997	9. Other:
---	--	-----------

Dust Risk: Significant
 Requirement: Litter and waste must be contained on site before disposal in a responsible manner. Waste generation must be minimised.

10. Minimising Dust Generation: Site levelling activities not to proceed during wind speeds > 30kph	12. Contingencies: Halt works where excessive dust generated
--	---

11. Dust Suppression: Hand held hose adjacent to site levelling equipment	13. Other
--	-----------

Erosion and Sediment Risk: Significant
 Requirement: Erosion and Sediment must be managed in accordance with current best practice environmental management practices to prevent sediment laden water from entering any drainage system or natural waterway.

14. Drainage Management: On site runoff flows toward site frontage Provide silt fence as marked Provide gravel sausages as marked	17. Sediment Traps (sediment retention devices): N/A
--	---

15. Soil Stabilisation During construction: N/A Post construction: Landscaping as per Landscape plan	18. Dewatering: N/A
--	----------------------------

16. Stockpile Management: Provide silt fence to stockpiles as required	19. Vehicle and Road Management: Site access: Provide rubble access driveway as marked Cleaning Vehicles: Scrape/ brush tyres manually Street Cleaning: Scrape/sweep manually
	20. Other:

Waste Risk: Significant
 Requirement: Litter and waste must be contained on site before disposal in a responsible manner. Waste generation must be minimised.

21. Movement of Soil: Off site Contaminant Status: Clean fill	23. Waste Storage and Disposal: Skip for general waste as marked removed as required Recycling bins as marked removed weekly by Council Metal scrap stockpile removal as required Solid waste stockpile as marked
22. Waste Minimisation Methods: Rubble to be reused around footings Recycling receptacles to be provided for metal, paper, glass and plastic waste	24. Other:

Chemicals Risk: Low
 Requirement: Storage and spill management practices must be implemented to ensure that no environmental damage can result from the escape or spillage of chemicals or fuels.

25. Storage:	27. Refuelling Procedure:
--------------	---------------------------

26. Spill Management:	28. Other:
-----------------------	------------

SITE S.E.C.P. A2 PLAN (1) – TYPES AND LOCATIONS OF ENVIRONMENTAL PROTECTION MEASURES

Environmental protection measures shall be constructed in accordance with the following designs:

EROSION CONTROL NOTES:

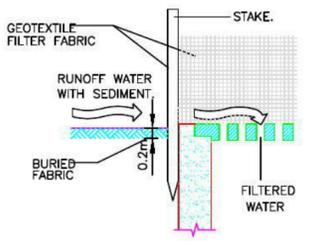
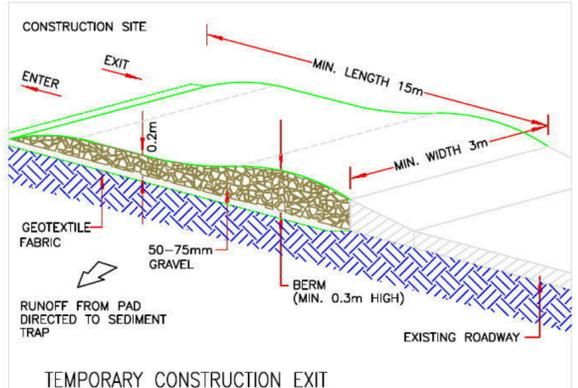
1. ALL EROSION AND SEDIMENT CONTROL MEASURES TO BE INSTALLED PRIOR TO SITE DISTURBANCE AND TO BE INSPECTED AND MAINTAINED DAILY BY SITE MANAGER.
2. STRIPPING OF GRASS AND VEGETATION ETC. FROM SITE SHALL BE KEPT TO A MINIMUM.
3. TOPSOIL FROM ALL AREAS THAT WILL BE DISTURBED TO BE STRIPPED AND STOCKPILED AND TO BE KEPT CLEAR FROM DRAINS, GUTTERS AND FOOTPATHS.
4. DRAINAGE IS TO BE CONNECTED TO STORMWATER SYSTEM AS SOON AS POSSIBLE.
5. ROADS AND FOOTPATH TO BE SWEEP DAILY
6. ALL SEDIMENT CONTROL STRUCTURES TO BE INSPECTED AFTER EACH RAINFALL EVENT FOR STRUCTURAL DAMAGE AND ALL TRAPPED SEDIMENT TO BE REMOVED TO A NOMINATED SOIL STOCKPILE.

SILT FENCES

- SLOPING OR STEEP UNEVEN TERRAIN .
 - CONSIST OF A FILTER FABRIC ('GEOTEXTILE FILLER'), ATTACHED TO A STEEL WIRE OR CABLE, WHICH IS SUPPORTED ON 900mm LONG STEEL OR WOODEN POSTS AT 2.5-3m CENTRES .
 - THE LOWER END OF THE FABRIC IS EMBEDDED INTO THE GROUND, AS SHOWN IN FIGURE 1 .
 - GENERALLY FOLLOW THE CONTOURS OF THE LAND .

SILTATION MANAGEMENT PROCEDURE

1. ERECT SILT FENCE & GRAVEL DRAIN
2. DEMOLISH EXISTING BUILDING
3. EXCAVATE BASEMENT AND PLACE TEMPORARY PUMPOUT SEDIMENT PIT
4. FINISH CONSTRUCTION
5. SILT FENCE AND GRAVEL DRAIN ARE NOT TO BE REMOVED UNTIL CONSTRUCTION IS COMPLETE AND GARDEN HAS BEEN FULLY REVEGETATED



SEDIMENT BARRIER AROUND PIT

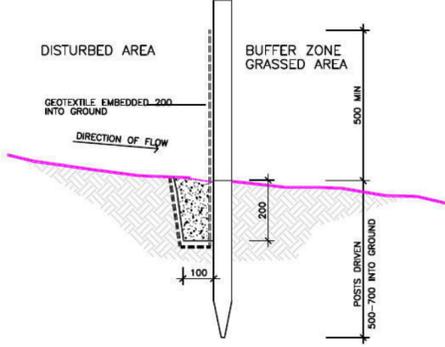
SCALE 1:20

CONSTRUCTION NOTES:

1. FABRICATE A SEDIMENT BARRIER MADE FROM GEOTEXTILE
2. SUPPORT GEOTEXTILE WITH MESH TIED TO POSTS AT 1 METRE CENTRES.
3. DO NOT COVER INLET WITH GEOTEXTILE.

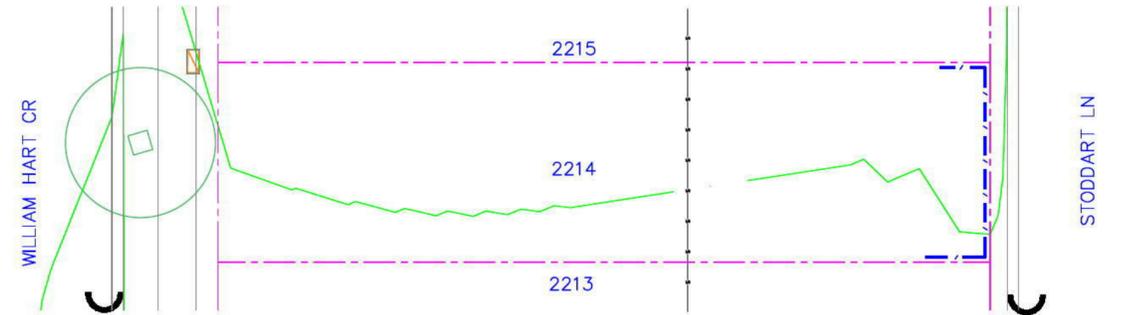
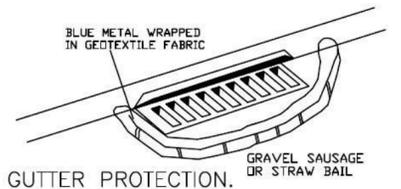
NOTE:

CONCRETE TRENCH WITH GALVANISED STEEL GRATING MAY BE SUBSTITUTED FOR U.V STABILISED POLYPROPYLENE U CHANNEL & GRATE SUBJECT TO ENGINEERS APPROVAL.



GEOFABRIC LINED 'SILT' FENCE

SCALE 1:10



SITE PLAN

--- SILT FENCE
 U GRAVEL SAUSAGE

Significant Flora/Fauna Risk: Low Requirement: All significant flora and fauna on and adjacent to the site must be protected.	Archaeological/Heritage Risk: Low Requirement: Places, sites and objects of archaeological or heritage significance must be protected.
29. Yes/No. Details:	30. Yes/No. Details:

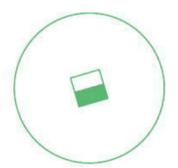
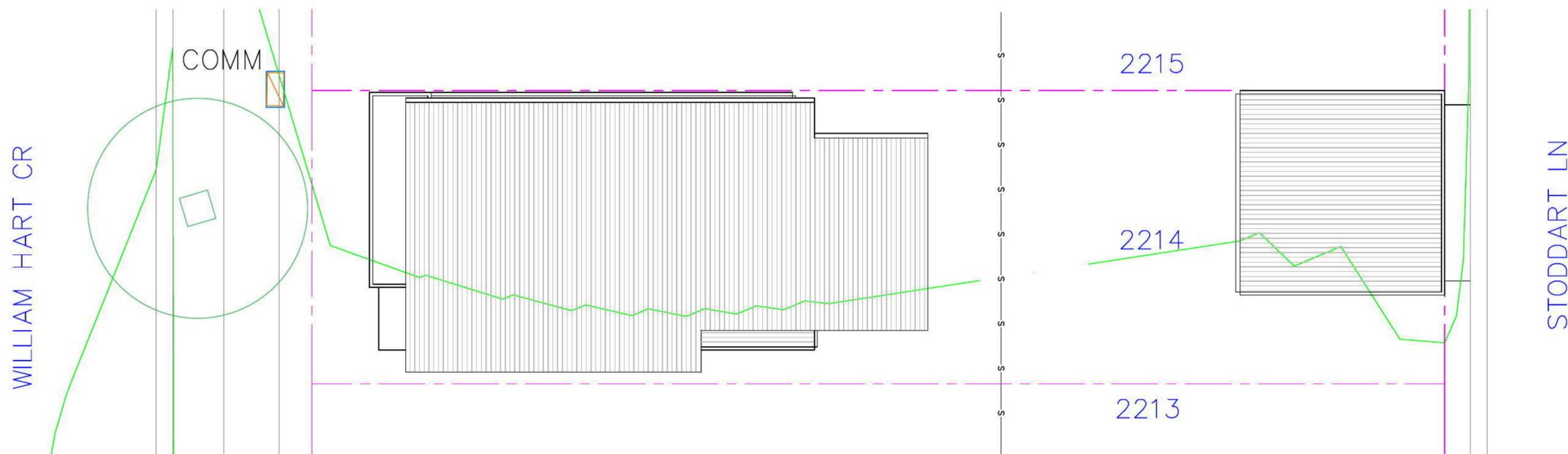
Rev	Date	Amendment:
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Thatcher homes

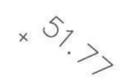
Prepared by
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 109 Palmer St Woolloomooloo
 Ph. 9357 2641

THORNTON Lot 2214
 SEDIMENT & EROSION
 CONTROL PLAN

Date: 15/4/14
 Scale: 1:200 @ A2
 THORNTON 2214.DA.5



Street tree



Existing ground level



Existing contour level



Finished ground floor level



Existing Kerb Outlet 10mm above gutter invert



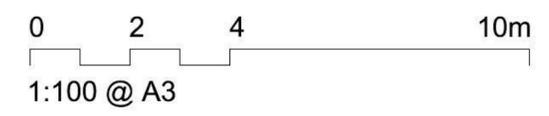
Sewer



Sewer man hole

LEGEND

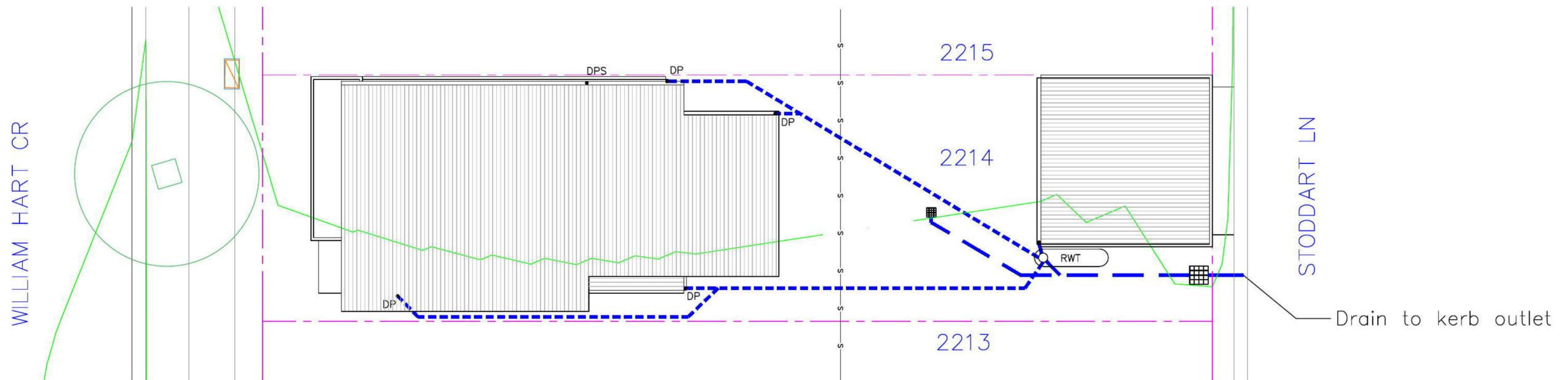
ELEC	ELCTRICITY COVER
FH	FIRE HYDRANT
GU	GULLY
COMM	COMMS PIT
LP	LAMP POST
SP	SIGN POST
SV	STOP VALVE



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THORNTON
Lot 2214
William Hart Crescent
SITE & ROOF PLAN

Date: 15/4/14
Scale: 1:100 @ A2
THORNTON 2214.DA.4

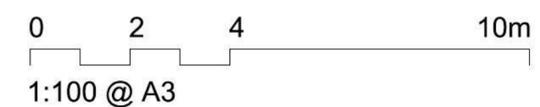


KEY

DP	Downpipe	$\times 51.77$	Existing ground level
DPS	Downpipe with Spreader	52	Existing contour level
	300 x 300 Stormwater pit	—s—s—	Sewer
	600 x 600 Stormwater pit		
CL: 52.00	Pit lid level		
IL: 51.70	Pit invert level		
FL: 28.74	Finished ground floor level		
	100mm dia. charged UPVC Rainwater pipe		
	100mm dia. UPVC Stormwater pipe @ 1% min.		
	Existing Kerb Outlet 10mm above gutter invert		

LEGEND

ELEC	ELCTRICITY COVER
FH	FIRE HYDRANT
GU	GULLY
IC	INSPECTION COVER
LP	LAMP POST
MH	MANHOLE
SP	SIGN POST
SV	STOP VALVE



Lot 2217

PLANT SCHEDULE Prepared by ecodeign Pty Ltd

SYMBOL	BOTANICAL NAME	COMMON NAME	QUANTITY	POT SIZE	MATURE SIZE
Lwf	Liriope muscari 'Monroe's White'	Liriope (white flowering)	16	200mm	0.45m
Mcd	Malus 'Cinzam Cinderlla'	Dwarf Crab Apple	1	75L	3m
Vo	Viburnum odoratissimum	Sweet Viburnum	7	200mm	2.5m
Vh	Viola hederacea	Native Violet	20	150mm	0.1m

STODDARD LANE - Supply + installation by BUILDER

SYMBOL	BOTANICAL NAME	COMMON NAME	QUANTITY	POT SIZE	MATURE SIZE
Lix	Lagerstroemia 'Sioux'	Crepe Myrtle	1	25L	4m
Lcj	Lomandra confertifolia 'Crackerjack'	Fine-leaved Lomandra	3	140mm	0.45m

STODDARD LANE CROSS-OVER - Supply + construction by BUILDER

MATERIAL SCHEDULE

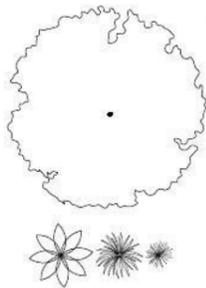
	Area m ² URBANGROWTH*	Area m ² BUILDER*
HEADER COURSE		
Concrete pavers 'Adbri Quartzstone', 300x300x50mm in 'Cradle' colour, laid in stackbond pattern	4.46	1.29
IN-FILL PAVEMENT		
Concrete pavers 'Adbri Havenbrick', 200x100x50mm in 'Brushwood' colour, laid in herringbone pattern	0.00	0.00
Total area	4.46	1.29

*Area's outside of the allotment boundary. **Area's inside of the allotment boundary

LOT PLANTING SUMMARY

Total Plants	Total Fence Hedging	Street Planting	Other Shrubs/ground-covers	Total Trees
44	7	0	37	1

Minimum of 1 tree and 20 shrubs / groundcovers to each front / side yard (excluding fence hedging)



LEGEND

Proposed trees - refer to plant schedule

Proposed accents & grasses - refer to plant schedule



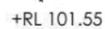
Proposed shrubs - refer to plant schedule



Proposed groundcovers and grasses - refer to plant schedule



Existing levels



Proposed levels



Proposed Top Of Wall levels



Boundary



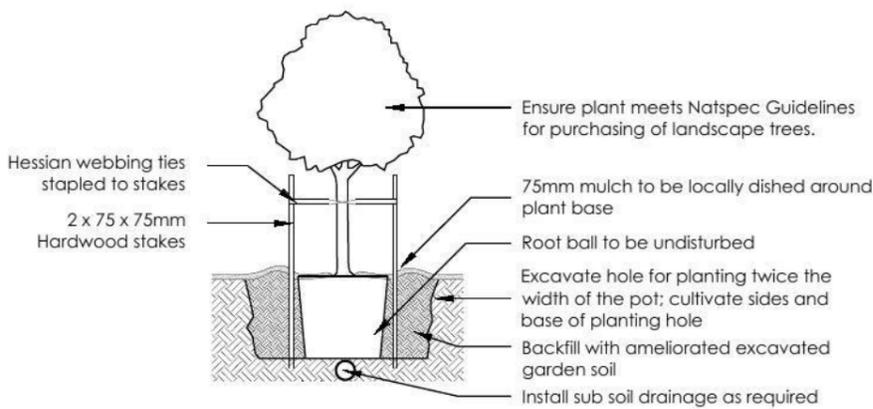
Garden edging



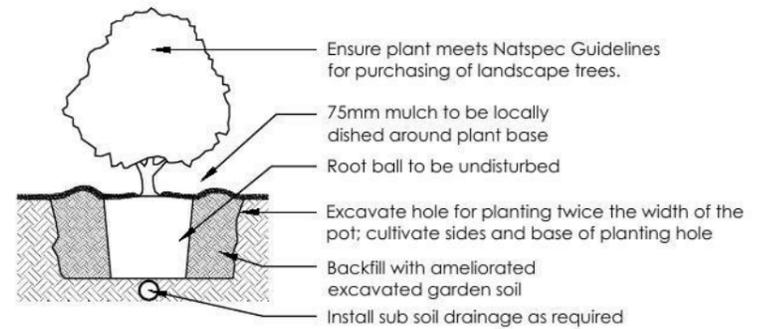
Masonry retaining walls



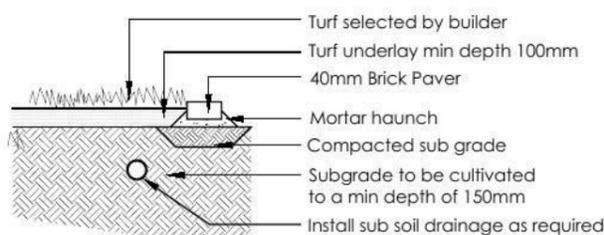
Existing contours



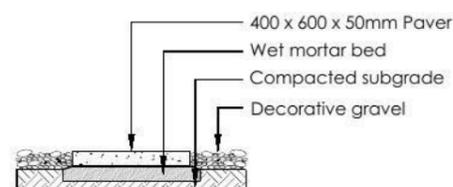
1 Tree Planting Detail
NTS 25L - 100L Pot Size



2 Planting Detail
NTS 150mm, 200mm Pot Size



3 Turf Detail
NTS Brick Paver Edge



4 Stepping stones in gravel
NTS Low traffic zone

REVISION	DESCRIPTION	DRAWN	CHECK	DATE
A	ISSUE FOR CLIENT REVIEW	RS	BT	28-04-14
B	AMEND TO NEW ARCHITECTURALS + CLIENT FEEDBACK	RS	RS	29-04-14

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7. All work to be performed by a suitably qualified tradesperson
8. For application purposes only - NOT FOR CONSTRUCTION

PROJECT: **LOT 2217 WILLIAM HART DRIVE, PENRITH**

CLIENT: **THATCHER HOMES**

PROJECT: **NEW RESIDENCE**

DRAWING: **LANDSCAPE PLAN**

SCALE: **1:100 @ A3** DATE: **DA** SHEET: **02**

DRAWN: **RS** CHECK: **BT** DATE: **29-04-14** REVISION: **B**



Lot 2216

PLANT SCHEDULE Prepared by ecodesign Pty Ltd

SYMBOL	BOTANICAL NAME	COMMON NAME	QUANTITY	POT SIZE	MATURE SIZE
Lwf	Liriope muscari 'Monroe's White'	Liriope (white flowering)	16	200mm	0.45m
Mcd	Malus 'Cinzam Cinderella'	Dwarf Crab Apple	1	75L	3m
Vo	Viburnum odoratissimum	Sweet Viburnum	7	200mm	2.5m
Vh	Viola hederacea	Native Violet	20	150mm	0.1m

STODDARD LANE - Supply + installation by BUILDER

SYMBOL	BOTANICAL NAME	COMMON NAME	QUANTITY	POT SIZE	MATURE SIZE
Lix	Lagerstroemia 'Sioux'	Crepe Myrtle	1	25L	4m
Lcj	Lomandra confertifolia 'Crackerjack'	Fine-leaved Lomandra	4	140mm	0.45m

STODDARD LANE CROSS-OVER - Supply + construction by BUILDER

MATERIAL SCHEDULE

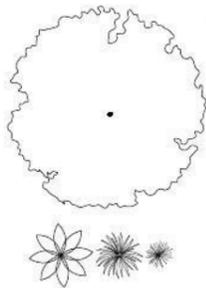
	Area m ² URBANGROWTH*	Area m ² BUILDER*
HEADER COURSE		
Concrete pavers 'Adbri Quartzstone', 300x300x50mm in 'Cradle' colour, laid in stackbond pattern	4.46	1.29
IN-FILL PAVEMENT		
Concrete pavers 'Adbri Havenbrick', 200x100x50mm in 'Brushwood' colour, laid in herringbone pattern	0.00	0.00
Total area	4.46	1.29

*Area's outside of the allotment boundary. **Area's inside of the allotment boundary

LOT PLANTING SUMMARY

Total Plants	Total Fence Hedging	Street Planting	Other Shrubs/ground-covers	Total Trees
44	7	0	37	1

Minimum of 1 tree and 20 shrubs / groundcovers to each front / side yard (excluding fence hedging)



LEGEND

Proposed trees - refer to plant schedule

Proposed accents & grasses - refer to plant schedule



Proposed shrubs - refer to plant schedule



Proposed groundcovers and grasses - refer to plant schedule



Existing levels

+RL 101.55

Proposed levels

+TOW 101.55

Proposed Top Of Wall levels



Boundary



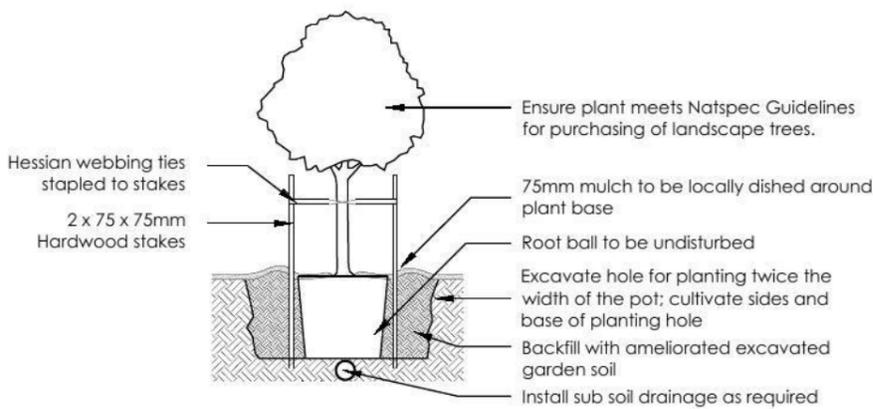
Garden edging



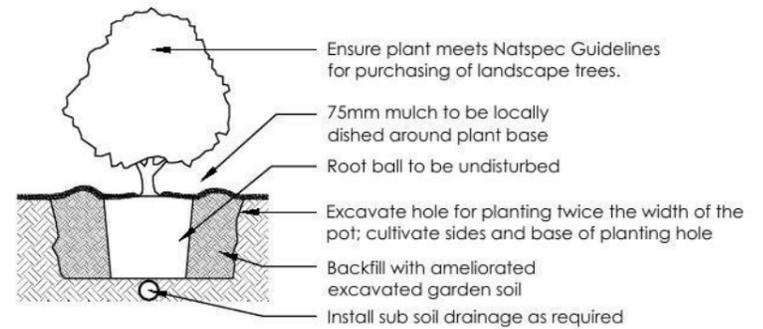
Masonry retaining walls



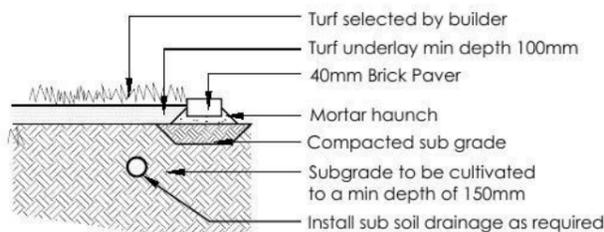
Existing contours



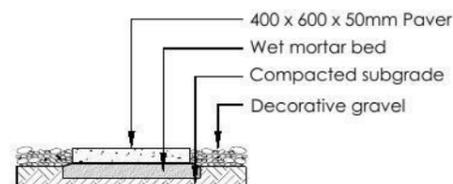
1 Tree Planting Detail
NTS 25L - 100L Pot Size



2 Planting Detail
NTS 150mm, 200mm Pot Size



3 Turf Detail
NTS Brick Paver Edge



4 Stepping stones in gravel
NTS Low traffic zone

REVISION	DESCRIPTION	DRAWN	CHECK	DATE
A	ISSUE FOR CLIENT REVIEW	RS	BT	28-04-14
B	AMEND TO NEW ARCHITECTURALS + CLIENT FEEDBACK	RS	RS	29-04-14

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6. All work to comply with relevant Australian Standards or Building Code of Australia
7. All work to be performed by a suitably qualified tradesperson
8. For application purposes only - NOT FOR CONSTRUCTION.

PROJECT: **LOT 2216 WILLIAM HART DRIVE, PENRITH**

CLIENT: **THATCHER HOMES**

PROJECT: **NEW RESIDENCE**

DRAWING: **LANDSCAPE PLAN**

SCALE: **1:100 @ A3** DATE: **DA** SHEET: **04**

DRAWN: **RS** CHECK: **BT** DATE: **29-04-14** REVISION: **B**



Lot 2215

PLANT SCHEDULE Prepared by ecodeign Pty Ltd

SYMBOL	BOTANICAL NAME	COMMON NAME	QUANTITY	POT SIZE	MATURE SIZE
Lwf	Liriope muscari 'Monroe's White'	Liriope (white flowering)	16	200mm	0.45m
Mcd	Malus 'Cinzam Cinderlla'	Dwarf Crab Apple	1	75L	3m
Vo	Viburnum odoratissimum	Sweet Viburnum	7	200mm	2.5m
Vh	Viola hederacea	Native Violet	20	150mm	0.1m

STODDARD LANE - Supply + installation by BUILDER

SYMBOL	BOTANICAL NAME	COMMON NAME	QUANTITY	POT SIZE	MATURE SIZE
Lix	Lagerstroemia 'Sioux'	Crepe Myrtle	1	25L	4m
Lcj	Lomandra confertifolia 'Crackerjack'	Fine-leaved Lomandra	3	140mm	0.45m

STODDARD LANE CROSS-OVER - Supply + construction by BUILDER

MATERIAL SCHEDULE	Area m ² URBANGROWTH*	Area m ² BUILDER*
HEADER COURSE		
Concrete pavers 'Adbri Quartzstone', 300x300x50mm in 'Cradle' colour, laid in stackbond pattern	4.46	1.29
IN-FILL PAVEMENT		
Concrete pavers 'Adbri Havenbrick', 200x100x50mm in 'Brushwood' colour, laid in herringbone pattern	0.00	0.00
Total area	4.46	1.29

*Area's outside of the allotment boundary. **Area's inside of the allotment boundary

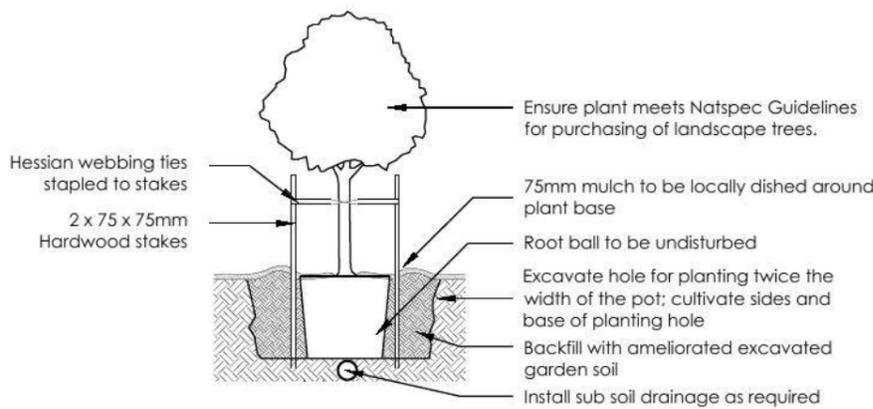
LOT PLANTING SUMMARY

Total Plants	Total Fence Hedging	Street Planting	Other Shrubs/ground-covers	Total Trees
44	7	0	37	1

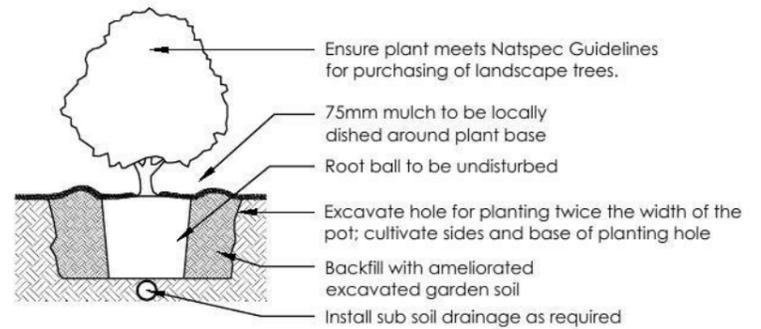
Minimum of 1 tree and 20 shrubs / groundcovers to each front / side yard (excluding fence hedging)

LEGEND

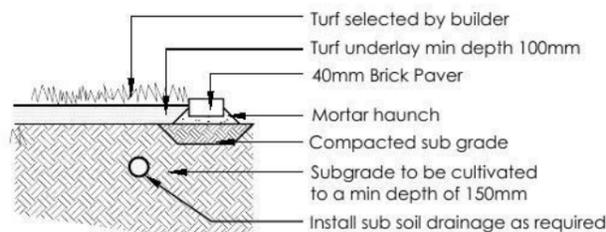
- Proposed trees - refer to plant schedule
- Proposed shrubs - refer to plant schedule
- Proposed accents & grasses - refer to plant schedule
- Proposed groundcovers and grasses - refer to plant schedule
- Existing levels
- Proposed levels
- Proposed Top Of Wall levels
- Boundary
- Garden edging
- Masonry retaining walls
- Existing contours



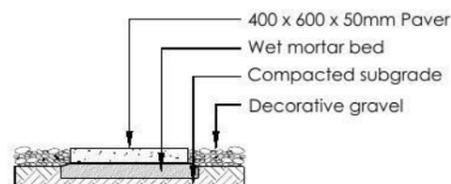
1 Tree Planting Detail
NTS 25L - 100L Pot Size



2 Planting Detail
NTS 150mm, 200mm Pot Size



3 Turf Detail
NTS Brick Paver Edge



4 Stepping stones in gravel
NTS Low traffic zone

REVISION	DESCRIPTION	DRAWN	CHECK	DATE	PROJECT	DATE	REVISION
A	ISSUE FOR CLIENT REVIEW	RS	BT	28-04-14	LOT 2215 WILLIAM HART DRIVE, PENRITH	NEW RESIDENCE	B
B	AMEND TO NEW ARCHITECTURALS + CLIENT FEEDBACK	RS	RS	29-04-14			
					PROJECT: NEW RESIDENCE DRAWING: LANDSCAPE PLAN SCALE: 1:100 @ A3 SHEET: 06		
1. Do not scale from drawings 2. Verify all measurements on site 3. Notify ecodeign of any inconsistencies 4. Copyright © ecodeign. All rights reserved 5. Drawing remains the property of ecodeign					THATCHER HOMES		
6. All work to comply with relevant Australian Standards or Building Code of Australia 7. All work to be performed by a suitably qualified tradesperson 8. For application purposes only - NOT FOR CONSTRUCTION					DATE: 29-04-14		

Lot 2214

PLANT SCHEDULE Prepared by ecodesign Pty Ltd

SYMBOL	BOTANICAL NAME	COMMON NAME	QUANTITY	POT SIZE	MATURE SIZE
Lwf	Liriope muscari 'Monroe's White'	Liriope (white flowering)	16	200mm	0.45m
Mcd	Malus 'Cinzam Cinderlla'	Dwarf Crab Apple	1	75L	3m
Vo	Viburnum odoratissimum	Sweet Viburnum	7	200mm	2.5m
Vh	Viola hederacea	Native Violet	20	150mm	0.1m

STODDARD LANE - Supply + installation by BUILDER

SYMBOL	BOTANICAL NAME	COMMON NAME	QUANTITY	POT SIZE	MATURE SIZE
Lix	Lagerstroemia 'Sioux'	Crepe Myrtle	1	25L	4m
Lcj	Lomandra confertifolia 'Crackerjack'	Fine-leafed Lomandra	3	140mm	0.45m

STODDARD LANE CROSS-OVER - Supply + construction by BUILDER

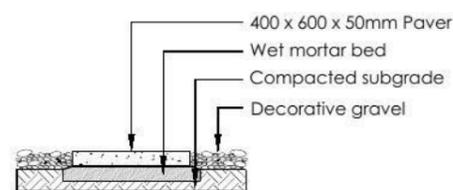
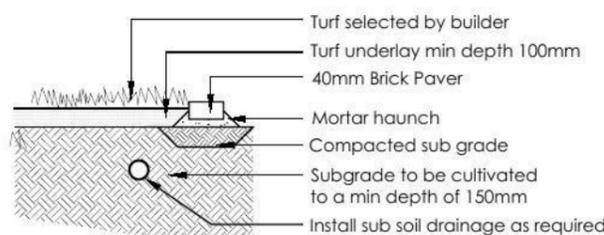
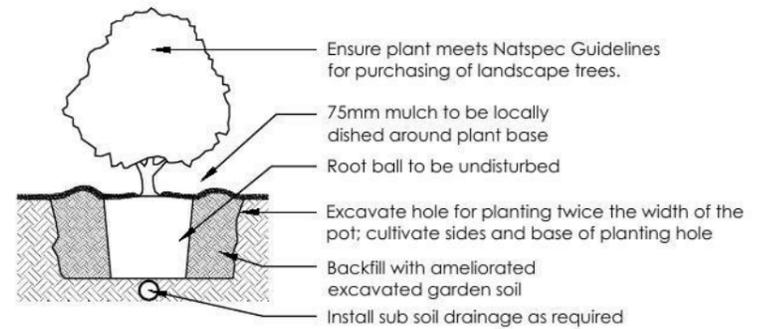
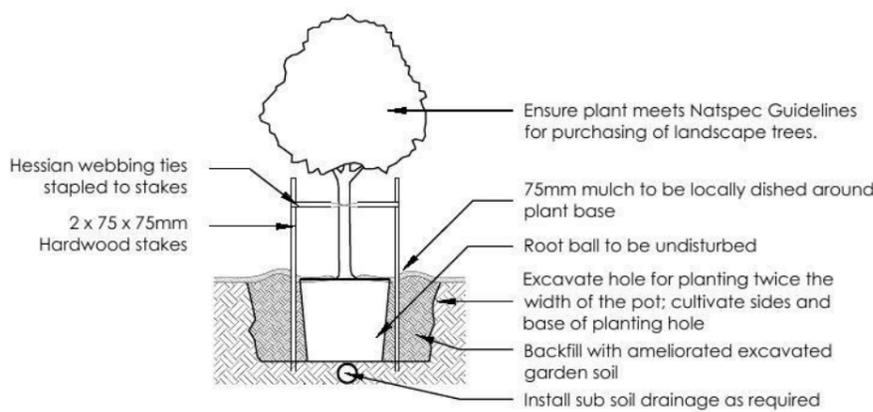
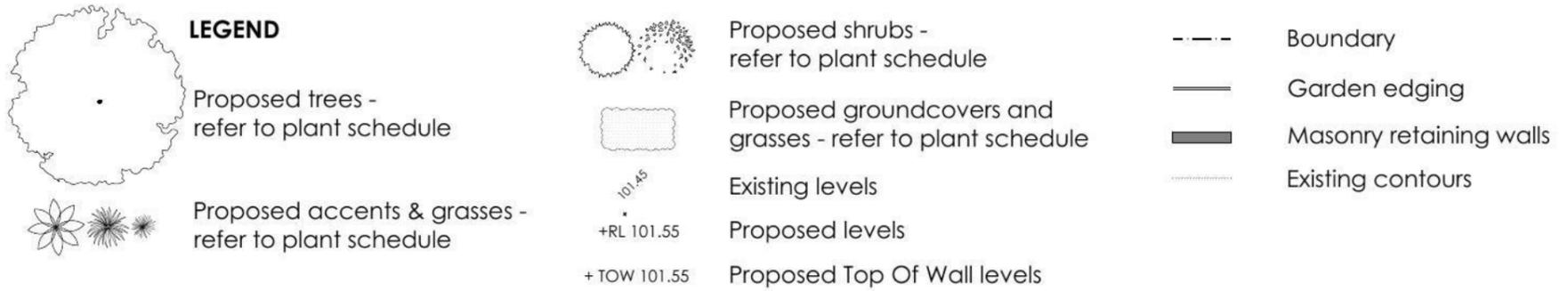
MATERIAL SCHEDULE	Area m ² URBANGROWTH*	Area m ² BUILDER*
HEADER COURSE		
Concrete pavers 'Adbri Quartzstone', 300x300x50mm in 'Cradle' colour, laid in stackbond pattern	4.46	4.72
IN-FILL PAVEMENT		
Concrete pavers 'Adbri Havenbrick', 200x100x50mm in 'Brushwood' colour, laid in herringbone pattern	0.00	0.00
Total area	4.46	4.72

*Area's outside of the allotment boundary. **Area's inside of the allotment boundary

LOT PLANTING SUMMARY

Total Plants	Total Fence Hedging	Street Planting	Other Shrubs/ground-covers	Total Trees
44	7	0	37	1

Minimum of 1 tree and 20 shrubs / groundcovers to each front / side yard (excluding fence hedging)



REVISION	DESCRIPTION	DRAWN	CHECK	DATE	PROJECT	SCALE	DATE	REVISION
A	ISSUE FOR CLIENT REVIEW	RS	BT	28-04-14	LOT 2214 WILLIAM HART DRIVE, PENRITH	1:100 @ A3	DA	08
B	AMEND TO NEW ARCHITECTURALS + CLIENT FEEDBACK	RS	RS	29-04-14				

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THATCHER HOMES

NEW RESIDENCE

LANDSCAPE PLAN

DA 08

29-04-14

Lot 2213

PLANT SCHEDULE Prepared by ecodeign Pty Ltd

SYMBOL	BOTANICAL NAME	COMMON NAME	QUANTITY	POT SIZE	MATURE SIZE
Aw	Agapanthus 'White'	White Agapanthus	26	200mm	0.5m
Dg	Diets grandiflora	Wild Iris	14	200mm	1m
Lwt	Liriope muscari 'Monroe's White'	Liriope (white flowering)	22	200mm	0.45m
Mcd	Malus 'Cinzam Cinderlla'	Dwarf Crab Apple	1	75L	3m
Vo	Viburnum odoratissimum	Sweet Viburnum	22	200mm	2.5m
Vh	Viola hederacea	Native Violet	10	150mm	0.1m

STODDARD LANE - Supply + installation by BUILDER

SYMBOL	BOTANICAL NAME	COMMON NAME	QUANTITY	POT SIZE	MATURE SIZE
Lix	Lagerstroemia 'Sioux'	Crepe Myrtle	1	25L	4m
Lcj	Lomandra confertifolia 'Crackerjack'	Fine-leaved Lomandra	12	140mm	0.45m

STODDARD LANE CROSS-OVER - Supply + construction by BUILDER

MATERIAL SCHEDULE

HEADER COURSE

Concrete pavers 'Adbri Quartzstone', 300x300x50mm in 'Cradle' colour, laid in stackbond pattern

Area m²
URBANGROWTH*

1.74

Area m²
BUILDER*

2.84

IN-FILL PAVEMENT

Concrete pavers 'Adbri Havenbrick', 200x100x50mm in 'Brushwood' colour, laid in herringbone pattern

1.68

11.59

Total area

3.42

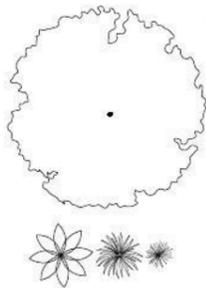
14.43

*Area's outside of the allotment boundary. **Area's inside of the allotment boundary

LOT PLANTING SUMMARY

Total Plants	Total Fence Hedging	Street Planting	Other Shrubs/ground-covers	Total Trees
95	22	26	47	1

Minimum of 1 tree and 20 shrubs / groundcovers to each front / side yard (excluding fence hedging)



LEGEND

Proposed trees - refer to plant schedule

Proposed accents & grasses - refer to plant schedule



Proposed shrubs - refer to plant schedule



Proposed groundcovers and grasses - refer to plant schedule



Existing levels

+RL 101.55

Proposed levels

+TOW 101.55

Proposed Top Of Wall levels



Boundary



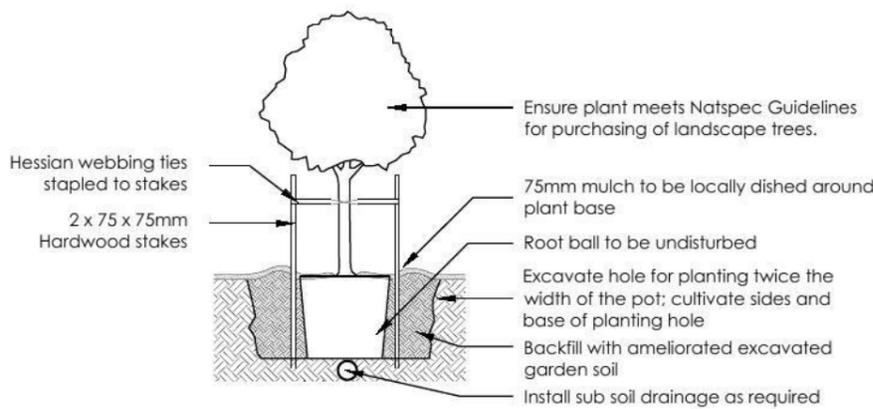
Garden edging



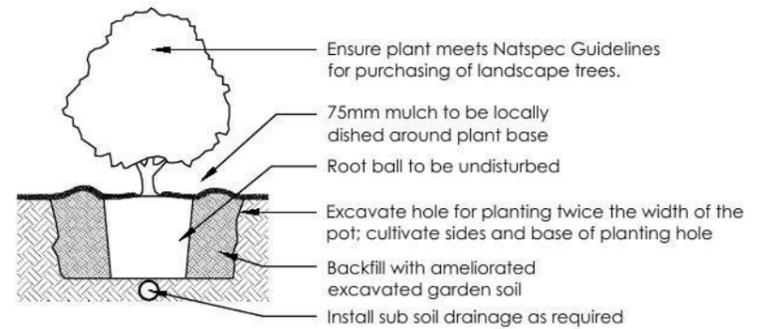
Masonry retaining walls



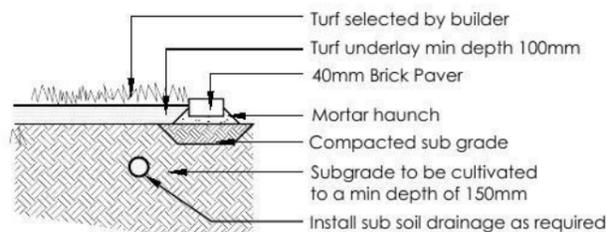
Existing contours



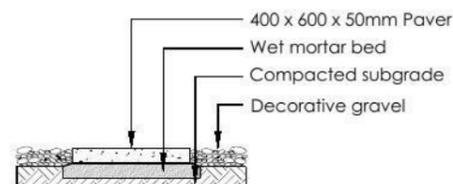
1 Tree Planting Detail
NTS 25L - 100L Pot Size



2 Planting Detail
NTS 150mm, 200mm Pot Size



3 Turf Detail
NTS Brick Paver Edge



4 Stepping stones in gravel
NTS Low traffic zone

REVISION	DESCRIPTION	DRAWN	CHECKED	DATE
A	ISSUE FOR CLIENT REVIEW	RS	BT	28-04-14
B	AMEND TO NEW ARCHITECTURALS + CLIENT FEEDBACK	RS	RS	29-04-14

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PROJECT: **LOT 2213 WILLIAM HART DRIVE, PENRITH**

CLIENT: **THATCHER HOMES**

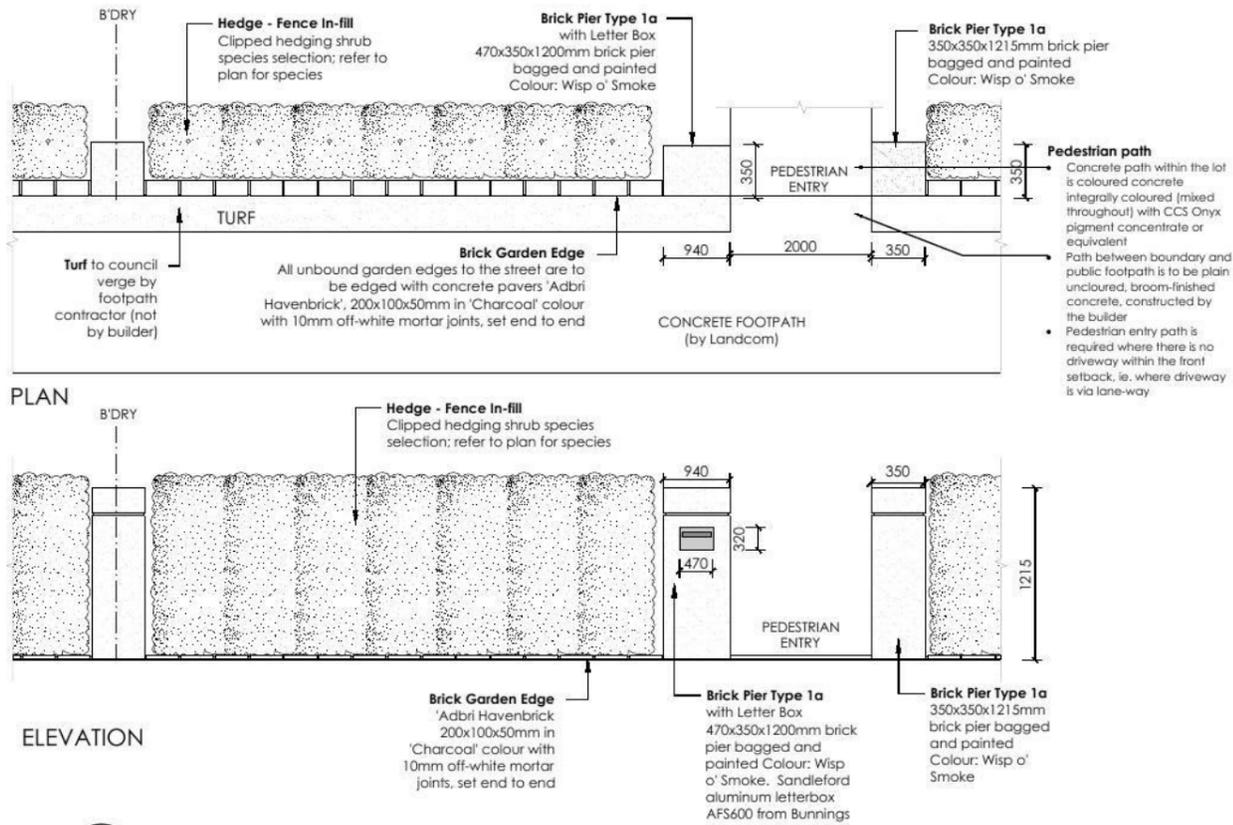
PROJECT: **NEW RESIDENCE**

DRAWING: **LANDSCAPE PLAN**

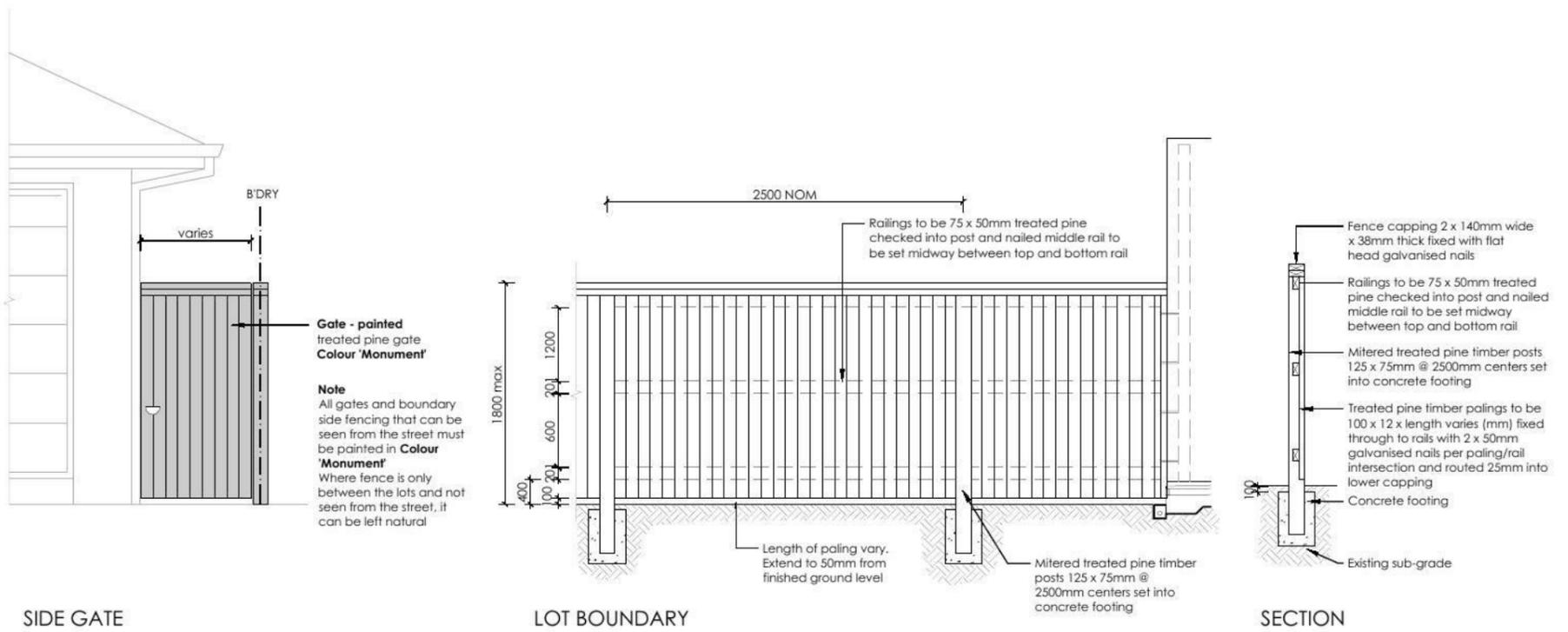
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DRAWN: **RS** CHECK: **BT** DATE: **29-04-14** REVISION: **B**





8 FENCE TYPE 5 - Front Fence
1:50 Typical detail



6 FENCE TYPE 4a - Side Boundaries
1:50 Typical detail

REVISION	DESCRIPTION	DRAWN	CHECKED	DATE
A	ISSUE FOR CLIENT REVIEW	RS	BT	28-04-14
B	AMEND TO NEW ARCHITECTURALS + CLIENT FEEDBACK	RS	RS	29-04-14

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PROJECT: NEW RESIDENCE

ADDRESS: LOTS 2213-2217 WILLIAM HART DRIVE, PENRITH

DRAWING: LANDSCAPE PLAN

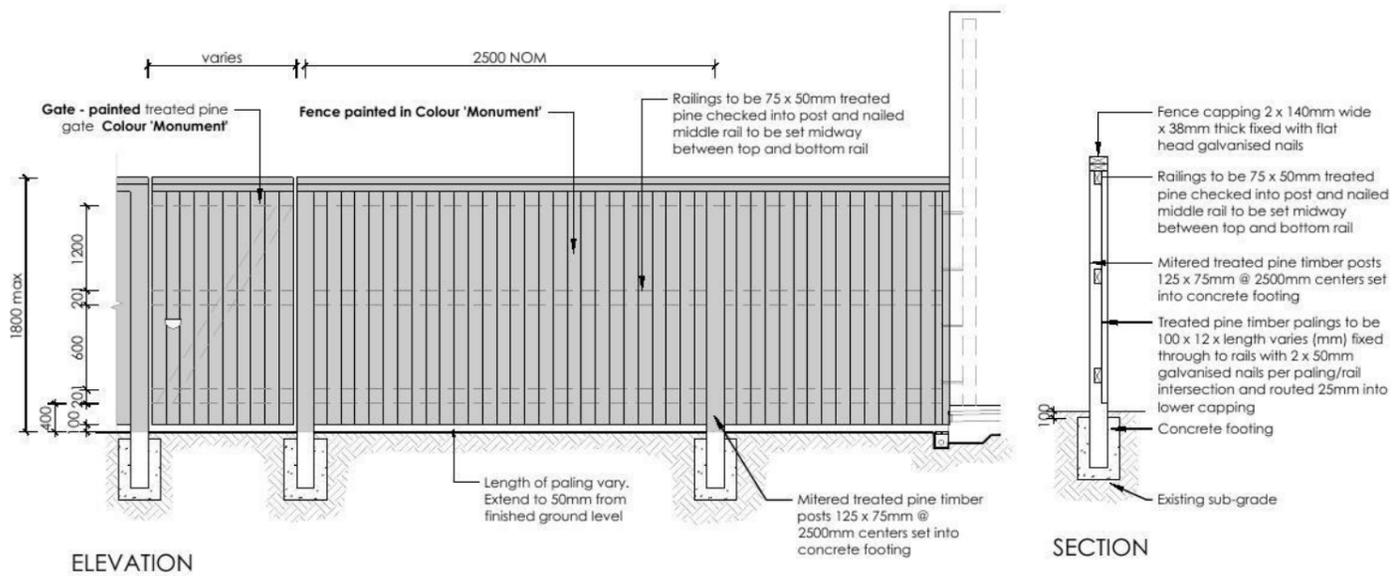
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DATE: 29-04-14

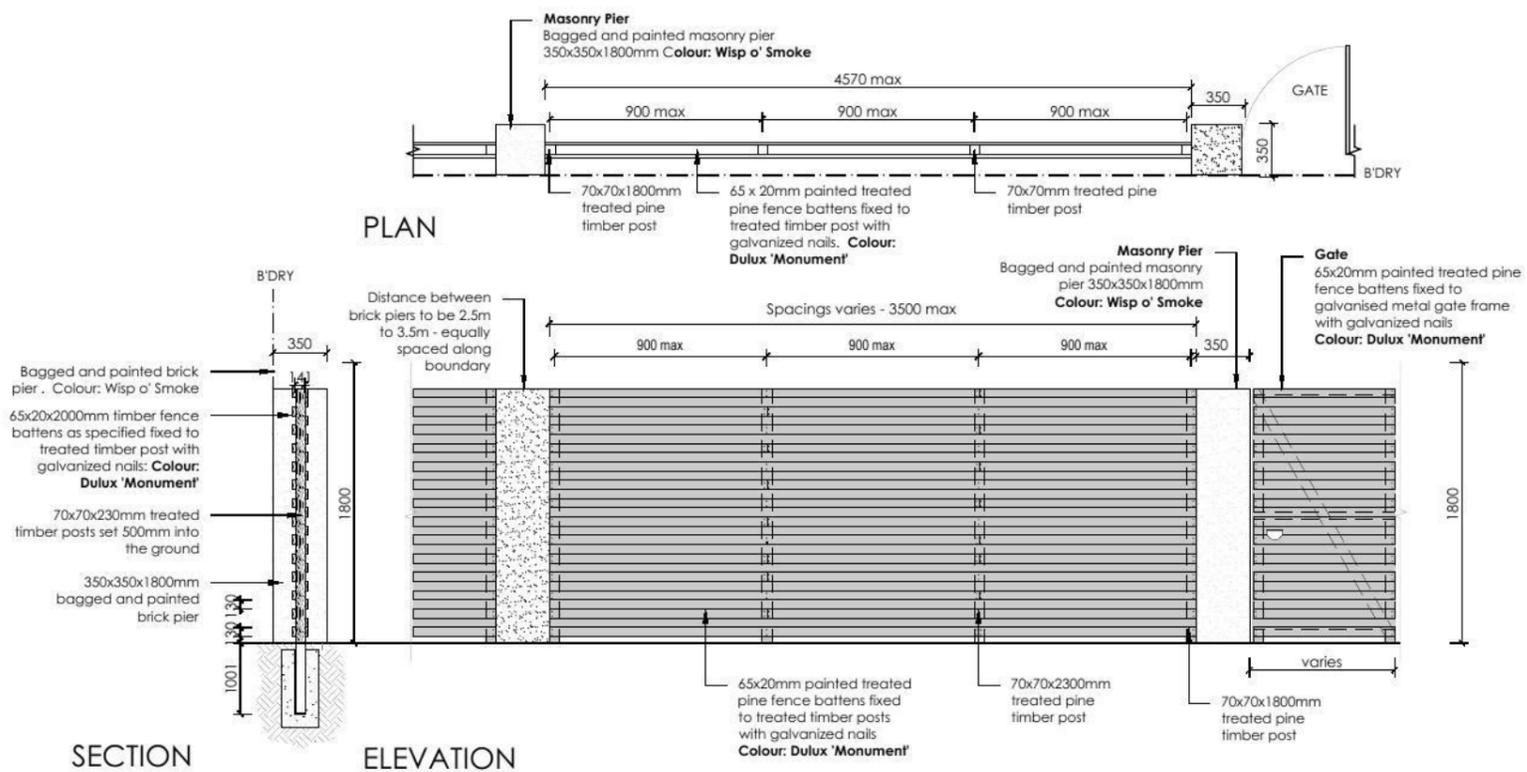
DESIGNER: THATCHER HOMES

PROJECT	ADDRESS	SCALE	DATE	DESIGNER
NEW RESIDENCE	LOTS 2213-2217 WILLIAM HART DRIVE, PENRITH	1:100 @ A3	29-04-14	THATCHER HOMES

REVISION	DESCRIPTION	DRAWN	CHECKED	DATE
A	ISSUE FOR CLIENT REVIEW	RS	BT	28-04-14
B	AMEND TO NEW ARCHITECTURALS + CLIENT FEEDBACK	RS	RS	29-04-14

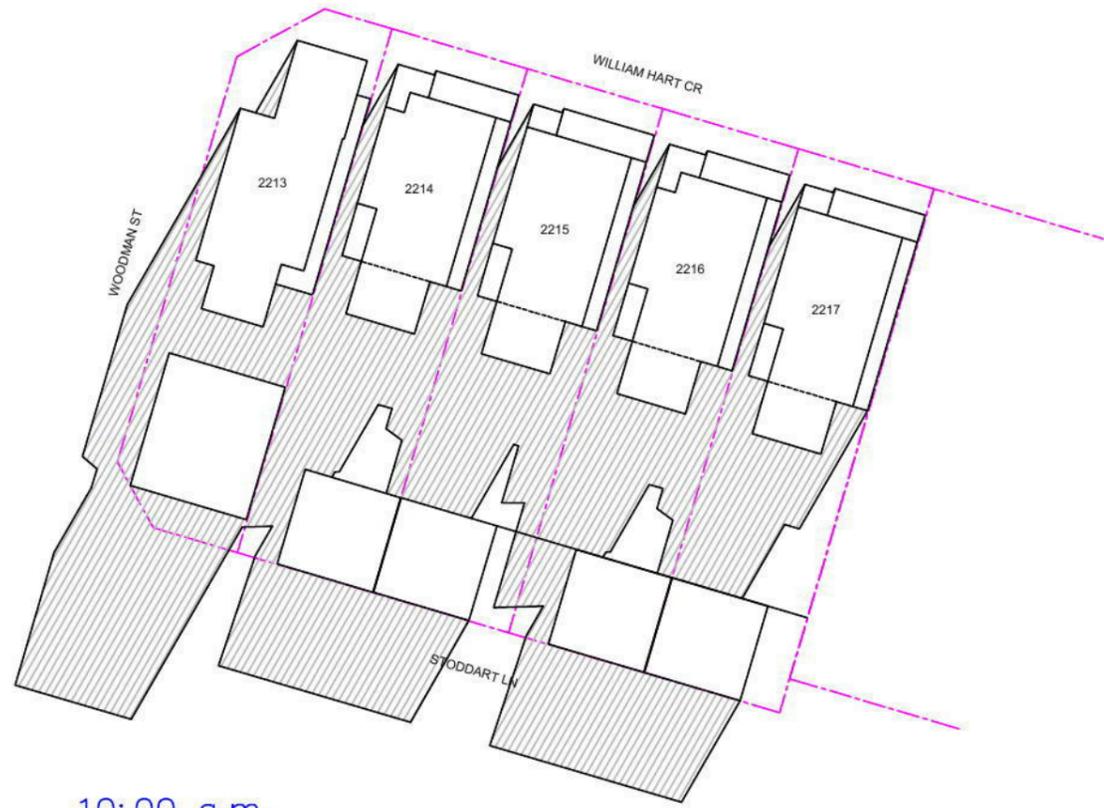


7 FENCE TYPE 4b - Rear Boundary
 1:50 All Laneways (except Barlett Lane)
 Typical detail



8 FENCE TYPE 2a - Secondary Street Fencing
 1:50 Typical detail

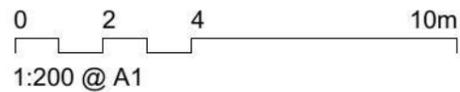
ecodesign outdoor living environments		PO Box 8136, Boulkham Hills BC, NSW 2153 Ph: (02) 9480 7112 Fax: (02) 9480 7703 Email: info@ecodesign.com.au Web: www.ecodesign.com.au Member of the Australian Institute of Landscape Design and Management		PROJECT NEW RESIDENCE	
1. Do not scale from drawings 2. Verify all measurements on site 3. Notify ecodesign of any inconsistencies 4. Copyright © ecodesign. All rights reserved 5. Drawing remains the property of ecodesign		6. All work to comply with relevant Australian Standards or Building Code of Australia 7. All work to be performed by a suitably qualified tradesperson 8. For application purposes only - NOT FOR CONSTRUCTION		ADDRESS LOTS 2213-2217 WILLIAM HART DRIVE, PENRITH	
REVISION		DATE		SCALE 1:100 @ A3	
A ISSUE FOR CLIENT REVIEW		RS BT 28-04-14		DATE DA 12	
B AMEND TO NEW ARCHITECTURALS + CLIENT FEEDBACK		RS BT 29-04-14		SHEET 12	
DRAWN RS		CHECK BT		DATE 29-04-14	
CLIENT THATCHER HOMES		REVISION B			



10:00 a.m.



11:00 a.m.



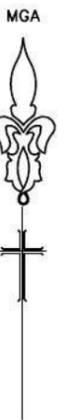
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Rev	Date	Amendment:
—	—	—

Rev Date Amendment:

Lot	Area (m ²)	POS Design (m ²)	POS (20%/min. %)	Reg. sun (0.5PPOS) (m ²)	Sunlight Penetration (m ²)							Alt.(°)	Az.(°)
					18	26	31	32	31	26	18		
					43 NE	30 NE	16 NE	0 N	16 NW	30 NW	43 NW		
2213	233.9	51.7	22	9	0.0	5.7	10.0	13.3	15.4				
2214	247.2	110.6	45	9	10.0	25.5	9.0	5.0	0.0				
2215	247.2	110.6	45	9	5.8	24.0	17.4	13.2	5.5				
2216	247.2	110.6	45	9	10.0	25.7	11.9	8.3	6.7				
2217	247.2	110.6	45	9	22.6	24.1	17.0	13.2	8.3				

☐ Sunshine penetration > 50% of PPOS



Prepared by
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THORNTON
 Lots 2213–2217
 William Hart Crescent
 SHADOW DIAGRAMS

Date: 15.4.14
 Scale: 1:400 @ A3
 THORNTON 2C.SH.1



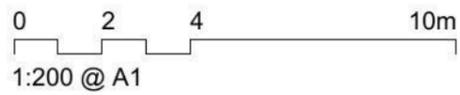
12:00 a.m.



1:00 p.m.



2:00 p.m.



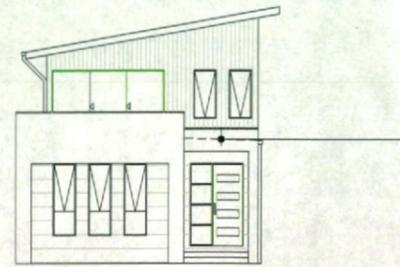
Rev	Date	Amendment:
-	-	-



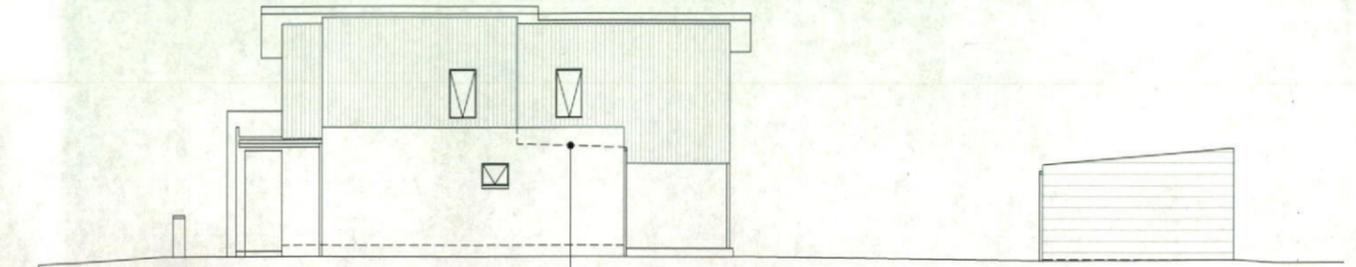
Prepared by
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 Ph. 9357 2641 Mob. 0411 614112

THORNTON
 Lots 2213–2217
 William Hart Crescent
 SHADOW DIAGRAMS

Date: 15.4.14
 Scale: 1:400 @ A3
 THORNTON 2C.SH.2



FRONT Elevation
(to William Hart Crescent)



SIDE Elevation (West)

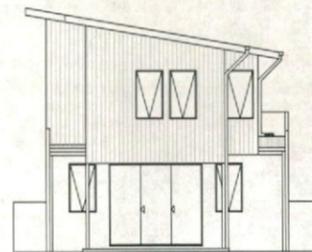
ITEM	MATERIAL	COLOUR
Lower walls	JH Stria cladding Wide profile @ 325mm	Dulux 'Paving Stone'
Upper walls	JH Axon cladding Grooves @ 133mm	Dulux 'Ghosting'
Balcony Piers	FRC sheet cladding	Dulux 'Hildegard'

Lysaght Trimdek metal roof @ 2 deg. behind parapet. Colour Dulux 'Monument'

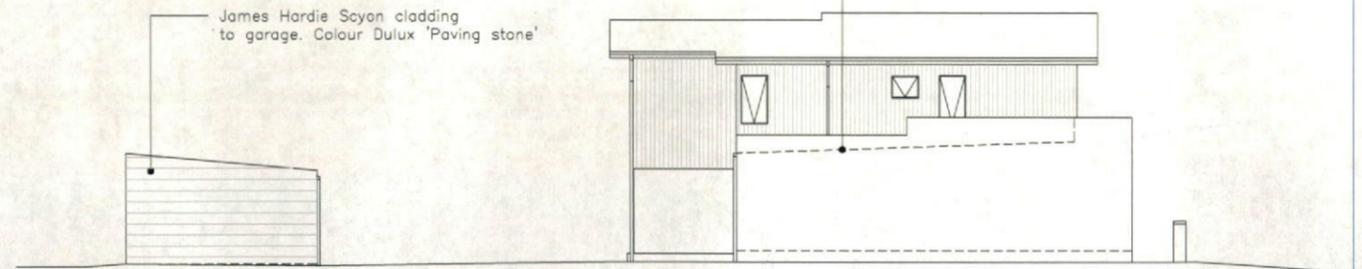
GENERAL FINISHES		
ITEM	Material	Colour*
Roof	Custom orb	Woodland Grey
Fascia & Gutter	Metal	Woodland Grey
Eaves Lining	FRC Sheet	White
Windows & sliding doors	Aluminum	Monument
Balcony Balustrade	Metal	Monument
Front door	Timber	Natural
Garage door	Metal	Bushland

* Colorbond range

-  JH Stria cladding - Wide Profile
325mm wide
-  JH Stria cladding - Splayed Profile
255mm wide
-  JH Axon cladding - Splayed Profile
Grooves @133mm centres
-  Painted FC Sheeting
Textured finish

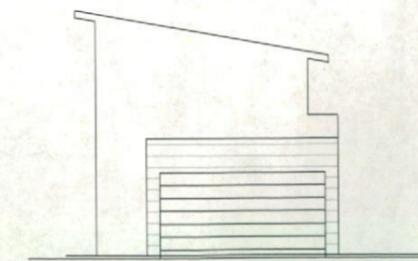


REAR Elevation



SIDE Elevation (East)

James Hardie Scyon cladding to garage. Colour Dulux 'Paving stone'



REAR (To Stoddart Lane)

Reviewed: *Jeff* Date: 2/5/14
LANDCOM
 Thornton Design Review Panel

0 2 4 10m
 1:100 @ A1

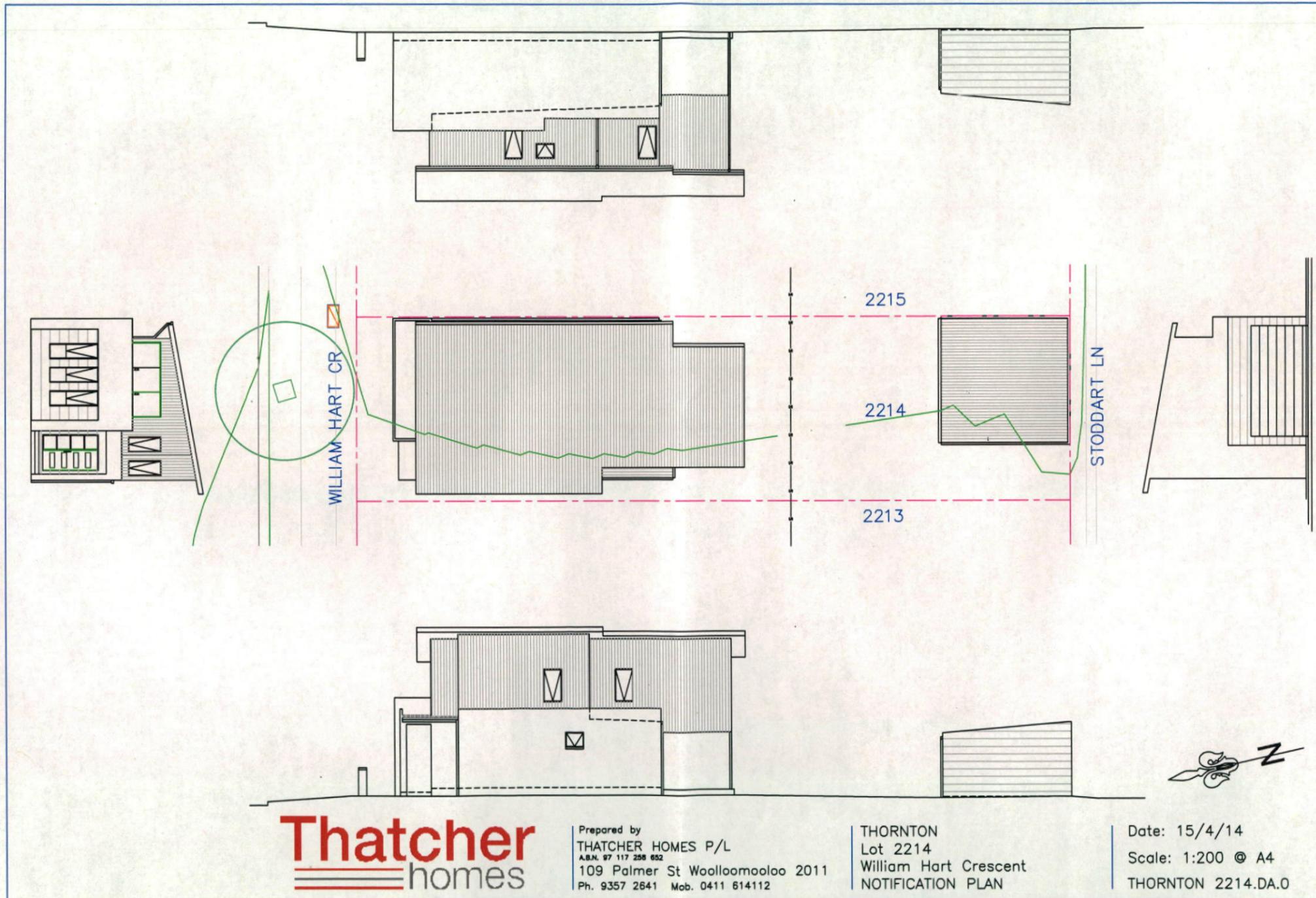
Rev	Date	Amendment:
-	-	-



Prepared by
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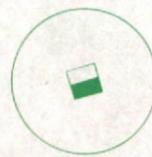
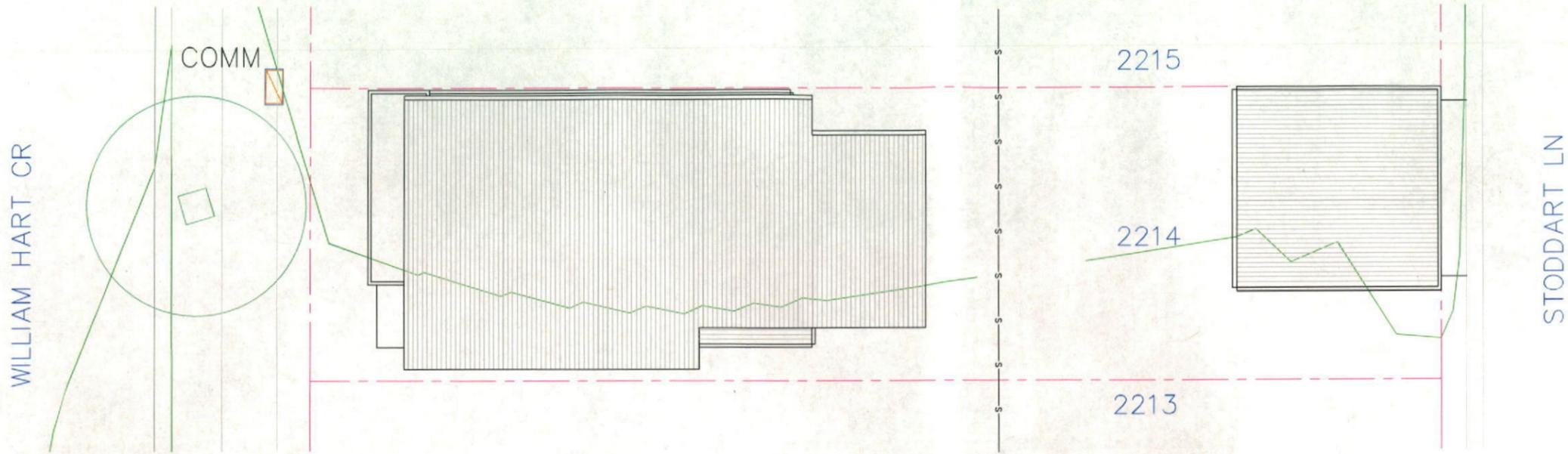
THORNTON
 Lot 2214
 William Hart Crescent
 ELEVATIONS & COLOUR SCHEDULE

Date: 15/4/14
 Scale: 1:100 @ A1
 THORNTON 2214.DA.2

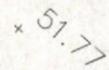


Reviewed *Abell* Date *2/5/14*

LANDCOM
Thornton Design Review Panel



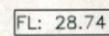
Street tree



Existing ground level



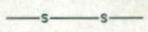
Existing contour level



Finished ground floor level



Existing Kerb Outlet 10mm above gutter invert



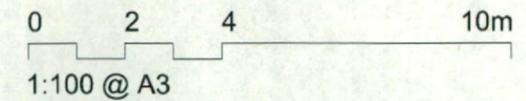
Sewer



Sewer man hole

LEGEND

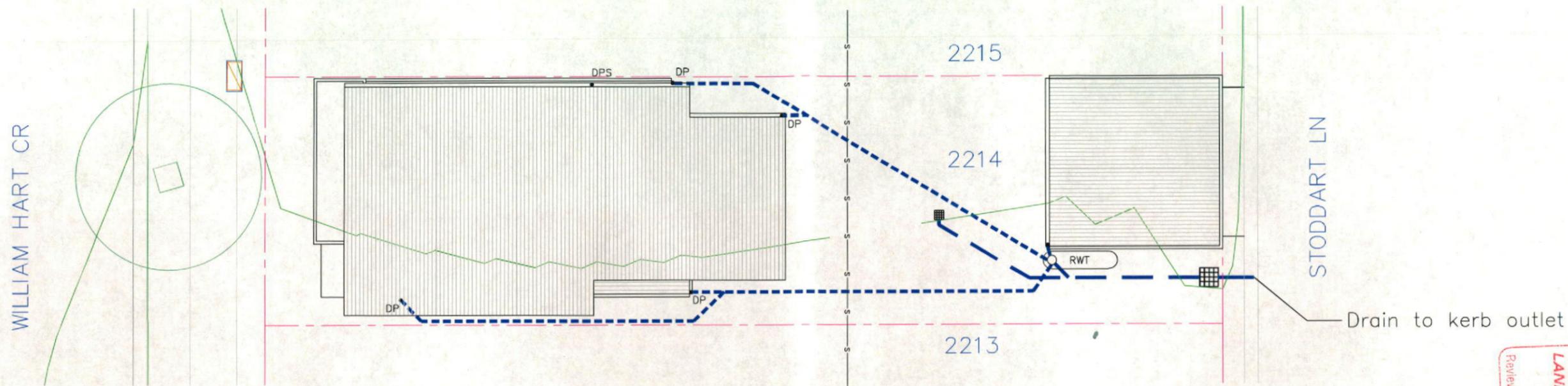
ELEC	ELECTRICITY COVER
FH	FIRE HYDRANT
GU	GULLY
COMM	COMMS PIT
LP	LAMP POST
SP	SIGN POST
SV	STOP VALVE



Prepared by
THATCHER HOMES P/L
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 109 Palmer St Woolloomooloo 2011
 Ph. 9357 2641 Mob. 0411 614112

THORNTON
 Lot 2214
 William Hart Crescent
 SITE & ROOF PLAN

Date: 15/4/14
 Scale: 1:100 @ A2
 THORNTON 2214.DA.4



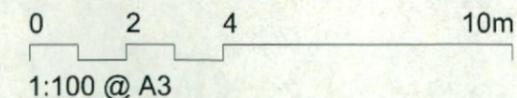
KEY

DP	Downpipe	$\times 57.7$	Existing ground level
DPS	Downpipe with Spreader	52	Existing contour level
■	300 x 300 Stormwater pit	—s—s—	Sewer
■	600 x 600 Stormwater pit		
CL: 52.00	Pit lid level		
IL: 51.70	Pit invert level		
FL: 28.74	Finished ground floor level		
---	100mm dia. charged UPVC Rainwater pipe		
---	100mm dia. UPVC Stormwater pipe @ 1% min.		
⌊	Existing Kerb Outlet 10mm above gutter invert		

LEGEND

ELEC	ELCTRICITY COVER
FH	FIRE HYDRANT
GU	GULLY
IC	INSPECTION COVER
LP	LAMP POST
MH	MANHOLE
SP	SIGN POST
SV	STOP VALVE

Reviewed: *As of* Date: *15/4/14*
LANDCOM
 Thornton Design Review Panel



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THORNTON
 Lot 2214
 William Hart Crescent
 STORMWATER CONCEPT PLAN

Date: 15/4/14
 Scale: 1:100 @ A2
 THORNTON 2214.DA.3

Lot 2214



PLANT SCHEDULE Prepared by ecodeign Pty Ltd

SYMBOL	BOTANICAL NAME	COMMON NAME	QUANTITY	POT SIZE	MATURE SIZE
Lwf	Liriope muscari 'Monroe's White'	Liriope (white flowering)	16	200mm	0.45m
Mcd	Malus 'Cinzam Cinderlla'	Dwarf Crab Apple	1	75L	3m
Vo	Viburnum odoratissimum	Sweet Viburnum	7	200mm	2.5m
Vh	Viola hederacea	Native Violet	20	150mm	0.1m

STODDARD LANE - Supply + installation by BUILDER

SYMBOL	BOTANICAL NAME	COMMON NAME	QUANTITY	POT SIZE	MATURE SIZE
Lix	Lagerstroemia 'Sioux'	Crepe Myrtle	1	25L	4m
Lcj	Lomandra confertifolia 'Crackerjack'	Fine-leaved Lomandra	3	140mm	0.45m

STODDARD LANE CROSS-OVER - Supply + construction by BUILDER

MATERIAL SCHEDULE

HEADER COURSE

Concrete pavers 'Adbri Quartzstone', 300x300x50mm in 'Cradle' colour, laid in stackbond pattern

Area m²
URBANGROWTH*

4.46

Area m²
BUILDER*

4.72

IN-FILL PAVEMENT

Concrete pavers 'Adbri Havenbrick', 200x100x50mm in 'Brushwood' colour, laid in herringbone pattern

0.00

0.00

Total area

4.46

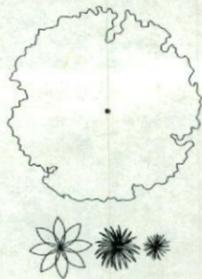
4.72

*Area's outside of the allotment boundary. **Area's inside of the allotment boundary

LOT PLANTING SUMMARY

Total Plants	Total Fence Hedging	Street Planting	Other Shrubs/ground-covers	Total Trees
44	7	0	37	1

Minimum of 1 tree and 20 shrubs / groundcovers to each front / side yard (excluding fence hedging)



LEGEND

Proposed trees - refer to plant schedule

Proposed accents & grasses - refer to plant schedule



Proposed shrubs - refer to plant schedule



Proposed groundcovers and grasses - refer to plant schedule

101.55

Existing levels

+RL 101.55

Proposed levels

+TOW 101.55

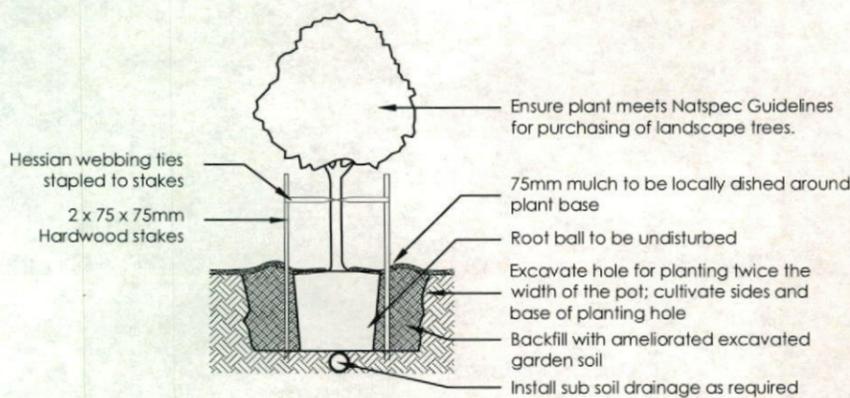
Proposed Top Of Wall levels

--- Boundary

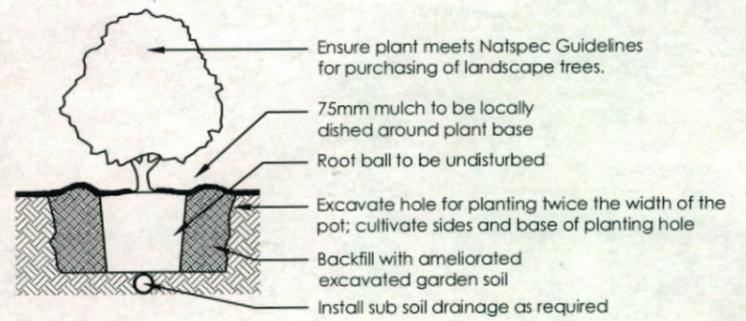
— Garden edging

█ Masonry retaining walls

..... Existing contours



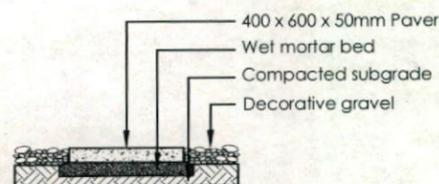
1 Tree Planting Detail
NTS 25L - 100L Pot Size



2 Planting Detail
NTS 150mm, 200mm Pot Size



3 Turf Detail
NTS Brick Paver Edge



4 Stepping stones in gravel
NTS Low traffic zone

REVISION	DATE	BY	CHECKED	DATE		PO Box 8136, Southam Hills BC, NSW 2153 Ph: (02) 9480 7712 Fax: (02) 9480 7715 Email: info@ecodeign.com.au Web: www.ecodeign.com.au	LOT 2214 WILLIAM HART DRIVE, PENRITH	PROJECT			
A	29-04-14	RS	BT	29-04-14				NEW RESIDENCE	LANDSCAPE PLAN		
1. Do not scale from drawings. 2. Verify all measurements on site. 3. Notify ecodeign of any inconsistencies. 4. Copyright © ecodeign. All rights reserved. 5. Drawing remains the property of ecodeign.						6. All work to comply with relevant Australian Standards or Building Code of Australia. 7. All work to be performed by a suitably qualified tradesperson. 8. For application purposes only - NOT FOR CONSTRUCTION					
THATCHER HOMES						SCALE: 1:100 @ A3		DATE: 29-04-14		SHEET: 08 OF 08	
						REVISION: RS		CHECKED: BT		DATE: 29-04-14	