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Document Issue Transmittal

Date: 12/03/2015
Job No.: 111110 PA
Issue No.: 1

Project: RTA Works, San Hospital, Wahroonga

Reason for Issue: Information

Sent Via:

Distribution	Attention
Johnstaff Projects Level 12, 70 Pitt Street Sydney NSW 2000	**Tom Bitmead** 1 PAPER and PDF & DWG copies

Drawing No.	Title	Issue
C500	Notes and Legend Sheet	07
C501	Overall Plan	05
C502	Siteworks Plan Sheet 1	11
C503	Siteworks Plan Sheet 2	10
C505	Signals Plan	07
C507	Services Plan Sheet 1	09
C508	Services Plan Sheet 2	07
C510	Details Sheet	04
C520	Sections Sheet 1	05
C521	Sections Sheet 2	05
C522	Sections Sheet 3	05
C540	Signage and Linemarking Plan Sheet 1	05
C541	Signage and Linemarking Plan Sheet 2	03
C545	No Stopping Signage - Fox Valley Road Sheet 1	03
C546	No Stopping Signage - Fox Valley Road Sheet 2	02
C547	No Stopping Signage - Fox Valley Road Sheet 3	02
C548	No Stopping Signage - Fox Valley Road Sheet 4	02
Surv_01	Survey_Commercial Area.dwg	01
Surv_02	Survey_Roadworks.dwg	01

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SAN HOSPITAL RMS ROAD WORKS
COMENARRA PARKWAY / FOX VALLEY ROAD

GENERAL NOTES

1. Contractor must verify all dimensions and existing levels on site prior to commencement of works. Any discrepancies to be reported to the Engineer.
2. Strip all topsoil from the construction area. All stripped topsoil shall be disposed of off-site unless directed otherwise.
3. Make smooth connection with all existing works.
4. Compact subgrade under buildings and pavements to minimum 98% standard maximum dry density in accordance with AS 1289 5.1.1. Compaction under buildings to extend 2m minimum beyond building footprint.
5. All work on public property, property which is to become public property, or any work which is to come under the control of the Statutory Authority is to be carried out in accordance with the requirements of the relevant Authority. The Contractor shall obtain these requirements from the Authority. Where the requirements of the Authority are different to the drawings and specifications, the requirements of the Authority shall be applicable.
6. For all temporary batters refer to geotechnical recommendations.

REFERENCE DRAWINGS

1. These drawings have been based from, and to be read in conjunction with the following Consultants drawings. Any conflict to the drawings must be notified immediately to the Engineer.

Consultant	Dwg Title	Dwg No	Rev	Date
Insites	Detail Survey	F6915W 42	1	18.08.11
Locators Utility	Sub-Surface Utility	L1102-30	01	16.08.11
S.P. Site Setout	House Extra Levels	651_001	01	10.08.11
Insites	Details incl. Levels Over Intersection	CE05R_A8lc		07.10.12

BULK EARTHWORKS NOTES

1. All bulk earthworks setout from grid lines U.N.O.
2. All batters at a slope of 2 (H) : 1 (V) U.N.O.
3. Excavated material may be used as structural fill provided:
   (i) it complies with the specification requirements for fill material
   (ii) the placement moisture content complies with the Geotechnical Consultants requirements and allows filling to be placed and proofrolled in accordance with the specification. Where necessary the Contractor must moisture condition the excavated material to meet these requirements.
4. Compact fill areas and subgrade to not less than:

Location	Standard dry density (AS 1289 5.1.1)	Moisture (OMC)
Under building slabs on ground	98%	±2%
Under roads and carparks	98%	±2%
Landscaped areas	95%	±2%

5. Before placing fill proof roll exposed subgrade with a 10 tonne minimum roller to test subgrade and then remove soft spots (areas with more than 3mm movement under roller). Soft spots to be replaced with select fill U.N.O.
6. Contractor shall place safety barriers around excavations in accordance with relevant safety regulations.
7. For interpretation of bulk earthworks tool print line shown on the bulk earthworks drawings refer to the bulk earthworks construction legend.
8. Bulk earthwork drawings are not to be used for detailed excavation.
9. Refer to Geotechnical Report prepared by – Coffey Geotechnics – Geotechnical Investigation and Report for SAN Hospital – GEOTLCOV23462AA-AD dated 29.04.2008

SITEWORKS NOTES

1. All basecourse material to comply with RTA specification No 3051 and compacted to minimum 98% modified standard dry density in accordance with AS 1289 5.2.1.
2. All trench backfill material shall be compacted to the same density as the adjacent material.
3. All service trenches under vehicular pavements shall be backfilled with an approved select material and compacted to a minimum 98% standard maximum dry density in accordance with AS 1289 5.1.1.

BOUNDARY AND EASEMENT NOTE

The property boundary and easement locations shown on Taylor Thomson Whitting drawing's have been based from information received from: S.P. SITE SETOUT Pty. Ltd. and [illegible]

Taylor Thomson Whitting makes no guarantee that the boundary or easement information shown is correct.
Taylor Thomson Whitting will accept no liabilities for boundary inaccuracies. The contractor/builder is advised to check/confirm all boundaries in relation to all proposed work prior to the commencement of construction. Boundary inaccuracies found are to be reported to the superintendent prior to construction starting.

STORMWATER DRAINAGE NOTES

1. Stormwater Design Criteria
   (a) Average recurrence interval –
       1:100 years for roof drainage to first external pit
       1:20 years for paved and landscaped areas
   (b) Rainfall intensities –
       Time of concentration: 6 minutes
       1:100 years = 225 mm/hr
       1:20 years = 177 mm/hr
   (c) Runoff coefficients –
       Roof areas Cav = 1.0
       Roads and paved areas Cav = 0.95
       Landscaped areas Cav = 0.35
2. Pipes 300 dia and larger to be reinforced concrete Class "2" approved spigot and socket with rubber ring joints U.N.O.
3. Pipes up to 300 dia shall be sewer grade uPVC with solvent welded joints.
4. Equivalent strength VCP or FRP pipes may be used subject to approval.
5. Precast pits may be used external to the building subject to approval by [illegible]
6. Enlargers, connections and junctions to be manufactured fittings where pipes are less than 300 dia.
7. Where subsoil drains pass under floor slabs and vehicular pavements, unslotted uPVC sewer grade pipe is to be used.
8. Grates and covers shall conform with AS 3996–2006, and AS 1428.1 for access requirements.
9. Pipes are to be installed in accordance with AS 3725. All bedding to be type H2 U.N.O.
10. Care is to be taken with levels of Stormwater lines. Grades shown are not to be reduced without approval.
11. All stormwater pipes to be 150 dia at 1.0% min fall U.N.O.
12. Subsoil drains to be slotted flexible uPVC U.N.O.
13. Adopt invert levels for pipe installation (grades shown are only nominal).

KERBING NOTES

Includes all kerbs, gutters, dish drains, crossings and edges.

1. All kerbs, gutters, dish drains and crossings to be constructed on minimum 75mm granular basecourse compacted to minimum 98% modified maximum dry density in accordance with AS 1289 5.2.1.
2. Expansion joints (EJ) to be formed from 10mm compressible cpm filler board for the full depth of the section and cut to profile. Expansion joints to be located at drainage pits, on tangent points of curves and elsewhere at 12m centres except for integral kerbs where the expansion joints are to match the joint locations in slabs.
3. Weakened plane joints to be min 3mm wide and located at 3m centres except for integral kerbs where weakened plane joints are to match the joint locations in slabs.
4. Broomed finished to all ramped and vehicular crossings, all other kerbing or dish drains to be steel float finished.
5. In the replacement of kerbs –
   Existing road pavement is to be sawcut 900mm from lip of gutter. Upon completion of new kerbs, new basecourse and surface is to be laid 900mm wide to match existing materials and thicknesses.
   Existing allotment drainage pipes are to be built into the new kerb with a 100mm dia hole.
   Existing kerbs are to be completely removed where new kerbs are shown.

SURVEY AND SERVICES INFORMATION

SURVEY

Origin of levels	PM 44982 Adopted AS RL158.858 (AHD)
Datum of levels	A.H.D. AUSTRALIAN HEIGHT DATUM
Coordinate system	MGA
Survey prepared by	Wedons InSites
Setout Points	CONTACT THE SURVEYOR

Taylor Thomson Whitting does not guarantee that the survey information shown on these drawings is accurate and will accept no liability for any inaccuracies in the survey information provided to us from any cause whatsoever.

UNDERGROUND SERVICES – WARNING

The locations of underground services shown on Taylor Thomson Whitting drawings have been plotted from diagrams provided by service authorities. This information has been prepared solely for the Authorities own use and may not necessarily be updated or accurate.

The position of services as recorded by the authority at the time of installation may not reflect changes in the physical environment subsequent to installation.

Taylor Thomson Whitting does not guarantee that the services information shown on these drawings shows more than the presence or absence of services, and will accept no liability for inaccuracies in the services information shown from any cause whatsoever.

The Contractor must confirm the exact location and extent of services prior to construction and notify any conflict with the drawings immediately to the Engineer/Superintendent.

The contractor is to get approval from the relevant state survey department, to remove/adjust any survey mark. This includes but is not limited to, State Survey Marks (SSM), Permanent Marks (PM), cadastral reference marks or any other survey mark which is to be removed or adjusted in any way.

Taylor Thomson Whitting plans do not indicate the presence of any survey mark. The contractor is to undertake their own search.

CONCRETE FINISHING NOTES

1. All exposed concrete pavements are to be broomed finished.
2. All edges of the concrete pavement including keyed and dowelled joints are to be finished with an edging tool.
3. Concrete pavements with grades greater than 10 % shall be heavily broomed finished.
4. Carborundum to be added to all stair treads and ramped crossings U.N.O.

SIGNS AND LINE MARKING NOTES

1. Pavement marking and sign posting on public roads shall be in accordance with the requirements of the relevant Road Authority. The contractor shall obtain these requirements from the Road Authority.
2. Contractor is to provide guide posts, spaced in accordance with AS1742.2. They are to be located near all head walls and pipe outlets.
3. Raised pavement markers to be in accordance with AS1742.2.
4. Where existing pavement marking conflicts with proposed, it is to be removed.
5. Lane widths do not include width of gutter.
6. Line marking plan does not define boundaries.
7. Erect temporary sign "changed traffic conditions ahead" 120m ahead of new work in both directions.
8. Establish the location of existing utility services and locate new signs clear of these installations.
9. The raised face of the 'B' median kerbs which adjoin through lanes are to be painted white in lieu of an E1 edge line. The reflective pavement markers normally associated with an E1 edge line are to be located on the pavement adjacent to the 'B' kerb.
10. Bicycle pavement markings and sign posting to be in accordance with Austroads Standards.

CONCRETE NOTES

EXPOSURE CLASSIFICATION: (Internal B1)

CONCRETE

Place concrete of the following characteristic compressive strength f'c as defined in AS 1379

Location	AS 1379 f'c MPa at 28 days	Specified Slump	Nominal Agg. Size
Footpaths, pits, kerbs	S25	80	20
Footings	S32	80	20
Vehicle Pavements	S32	80	20

1. Use Type "GP" cement, unless otherwise specified.
2. All concrete shall be subject to project assessment and testing to AS 1379.
3. Consolidate by mechanical vibration. Cure all concrete surfaces as directed in the Specification.
4. For all falls in slab, drip grooves, rebates, chamfers etc. refer to Architects drawings and specifications.
5. Unless shown on the drawings, the location of all construction joints shall be submitted to Engineer for review.
6. No holes or chases shall be made in the slab without the approval of the Engineer.
7. Conduits and pipes are to be fixed to the underside of the top reinforcement layer.
8. Slurry used to lubricate concrete pump lines is not to be used in any structural members.
9. All slabs cast on ground require wet bonding with a Concrete Vibratory.

FORMWORK

1. The design, certification, construction and performance of the formwork, falsework and backpropping shall be the responsibility of the contractor. Proposed method of installation and removal of formwork is to be submitted to the superintendent for comment prior to work being carried out.

REINFORCEMENT NOTES

1. Fix reinforcement as shown on drawings. The type and grade is indicated by a symbol as shown below. On the drawings this is followed by a numeral which indicates the size in millimetres of the reinforcement.

N	Hot rolled ribbed bar	grade D500N
R	Plain round bar	grade R250N
SL	Square mesh	grade 500L
RL	Rectangular mesh	grade 500L

2. Provide bar supports or spacers to give the following concrete cover to all reinforcement unless otherwise noted on drawings.

Footings	– 40	top, 40 bottom, 40 sides
Slabs	– 40	top, 40 bottom, 40
	– 40	when exposed to weather or ground.
Walls	– 40	generally
	– 40	when cast in forms but later exposed to weather or ground.
	– 40	when cast directly in contact with ground

3. Cover to reinforcement ends to be 50 mm u.n.o.
4. Provide N12-450 support bars for top reinforcement as required. Lap 400. U.N.O.
5. Maintain cover to all pipes, conduits, reglets, drip grooves etc.
6. Laps in reinforcement shall be made only where shown on the drawings unless otherwise approved. Lap lengths shall be 40 bar dia. unless noted otherwise.
7. All cogs to be standard cogs unless noted otherwise.
8. Fabric end and side laps are to be placed strictly in accordance with the manufacturers requirements to achieve a full tensile lap. Fabric shall be laid so that there is a maximum of 3 layers at any location.

FABRIC LAPS

25

SITEWORKS LEGEND

Symbol	Description
● F22.20	Finished surface level
F22.00	Finished contour
K&G	Kerb and gutter
KO	Kerb only
KO1	Kerb only type 1
FK	Flush kerb
DD	Dish drain
TE	Thickened edge
	Stormwater pit, flow direction and line with invert level upstream, pipe size and class, pipe grade, flow (Litres per second), invert level downstream
GD	Grated drain
IR	Intermediate riser with subsoil drainage line (100 dia)
FP	Flushing point with subsoil drainage line (100 dia)
DP	Down pipe
	Concrete encased stormwater line
	Stormwater line with pipe taper and flow direction
	Taper kerb to zero height over 500 mm
	Wheelstop
RW	Blockwork retaining wall
DEJ	Dowelled expansion joint
SJ	Sawn joint
KJ	Keyed construction joint
WPJ	Weakened plane joint
EJ	Expansion joint
	Grass swale drain
	Overland flow path
	Guard Rail Armco-W Beam as per RTA Standard
GP	Guide Posts
	Boomgates
EP	Electrical Items (refer to Electrical engineer's drawings and details.)

PAVEMENT LEGEND

NOTES
1. Asphaltic concrete shall conform to AS2150 and the specification
2. Pavement based on geotechnical report by

P1	30mm Thickness asphaltic concrete (AC14) with polymer modified (A[illegible]) on 130mm Thickness asphaltic concrete (AC20) with polymer modified (A[illegible]) on 200mm 3% Cement Stabilised compacted thickness fine crushed rock (DGS40)
P2	120mm Thickness concrete (f'c=20MPa) with SL82 fabric (40 top cover) on 100mm Compacted thickness fine crushed rock (DGB 20)
P3	30mm Mill and Resheet asphaltic concrete (AC14) with polymer modified (A15)

PIT SCHEDULE

Note: Grate size does not necessarily reflect pit size, refer pit type details, shown on detail sheets – C730. Final internal pit dimensions are to comply with AS3500

Type	Description	Cover (Clear Opening)	Number
A	Kerb inlet pit 1800 lintel	450 x 100 Class D galvanised mild steel grate hinged to frame	1,2,3,?2, 13,14,15
B	Existing pit to remain		4,[illegible]

CIVIL DRAWING LIST

Drawing No	Drawing Title
C500	NOTES AND LEGENDS SHEET
C501	OVERALL SITEWORKS PLAN
C502	COMENARRA AND FOX VALLEY ROAD INTERSECTION SITEWORKS PLAN SHEET 1
C503	COMENARRA AND FOX VALLEY ROAD INTERSECTION SITEWORKS PLAN SHEET 2
~~C504~~	~~FOX VALLEY ROAD SITEWORKS PLAN SHEET 1~~
C505	COMENARRA AND FOX VALLEY ROAD SIGNALS PLAN
~~C506~~	~~FOX VALLEY ROAD SIGNALS PLAN~~
C507	COMENARRA AND FOX VALLEY ROAD INTERSECTION SERVICES PLAN SHEET 1
C508	COMENARRA AND FOX VALLEY ROAD INTERSECTION SERVICES PLAN SHEET 2
~~C509~~	~~FOX VALLEY ROAD INTERSECTION SERVICES PLAN SHEET 1~~
C510	DETAILS SHEET 1
C520	SECTIONS SHEET 1
C521	SECTIONS SHEET 2
C522	SECTIONS SHEET 3
~~C530~~	~~CHAINAGES AND SETOUT PLAN SHEET 1~~
~~C531~~	~~CHAINAGES AND SETOUT PLAN SHEET 2~~
~~C532~~	~~CHAINAGES AND SETOUT PLAN SHEET 3~~
C540	SIGNAGE AND LINEMARKING PLAN SHEET 1
C541	SIGNAGE AND LINEMARKING PLAN SHEET 2
~~C542~~	~~SIGNAGE AND LINEMARKING PLAN SHEET 3~~

THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT NOTES ON DRAWING C500

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Project: SYDNEY ADVENTIST HOSPITAL
FOX VALLEY ROAD
WAHROONGA

Sheet Subject: NOTES AND LEGENDS SHEET

Scale	Drawn	Authorised
-	MS	

Job No	Part Code	Drawing No	Revision
111110	D	C500	07

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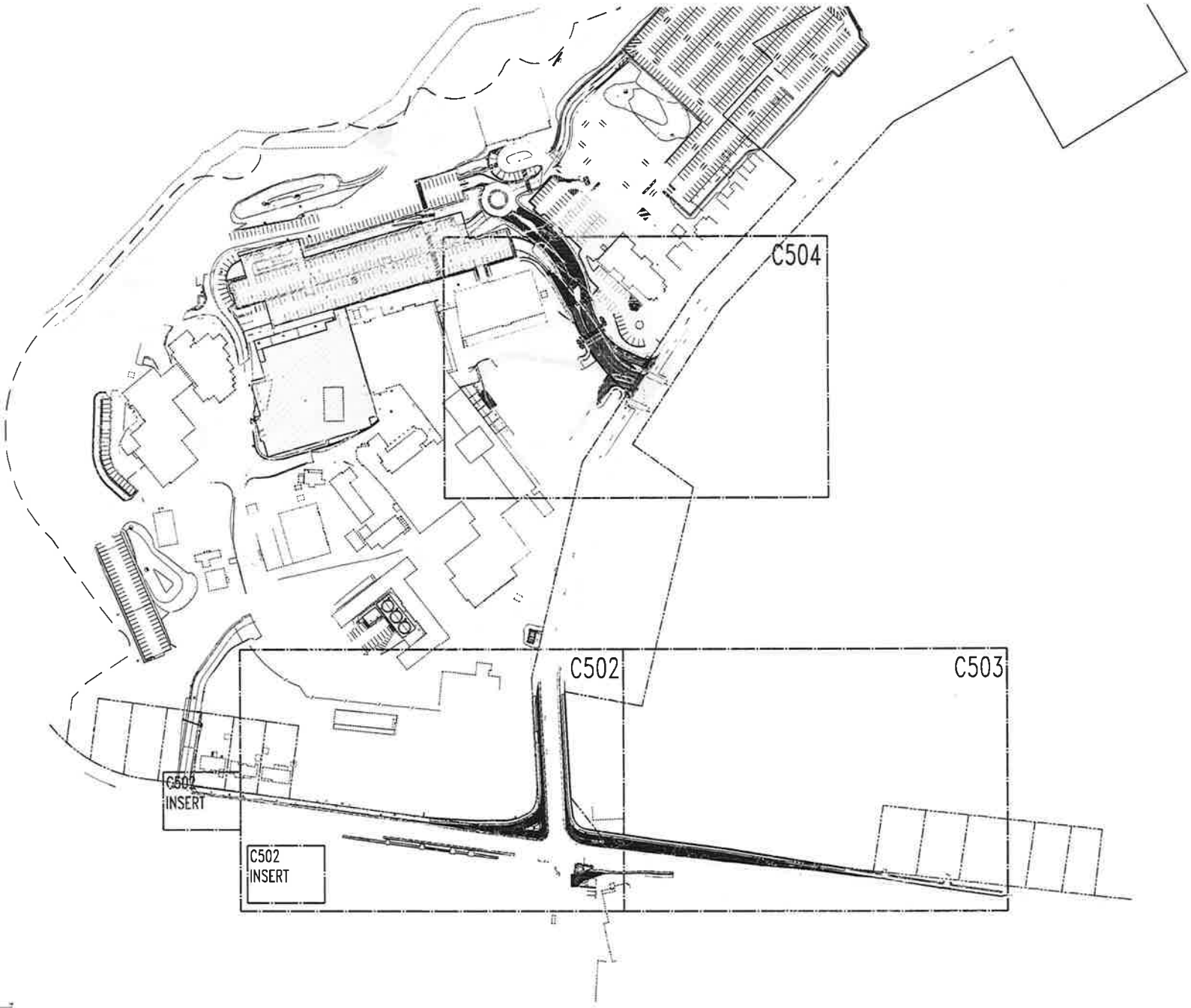

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06	ISSUE FOR CONSTRUCTION	SH	MS	18.12.13
05	ISSUE FOR INFORMATION	SH	MS	20.11.13
04	ISSUE FOR INFORMATION	SH	MS	12.08.13
03	ISSUE FOR INFORMATION	SH	MS	24.05.13
02	ISSUE FOR APPROVAL	SH	MS	13.12.11
01	ISSUE FOR APPROVAL	SH	MS	28.10.11

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Project
SYDNEY ADVENTIST HOSPITAL
FOX VALLEY ROAD
WAHROONGA

Drawn Subject
OVERALL PLAN

Scale 1:1000 | Drawn MS | Authorised

Job No 111110 | Part Code D | Drawing No C501 | Revision 06

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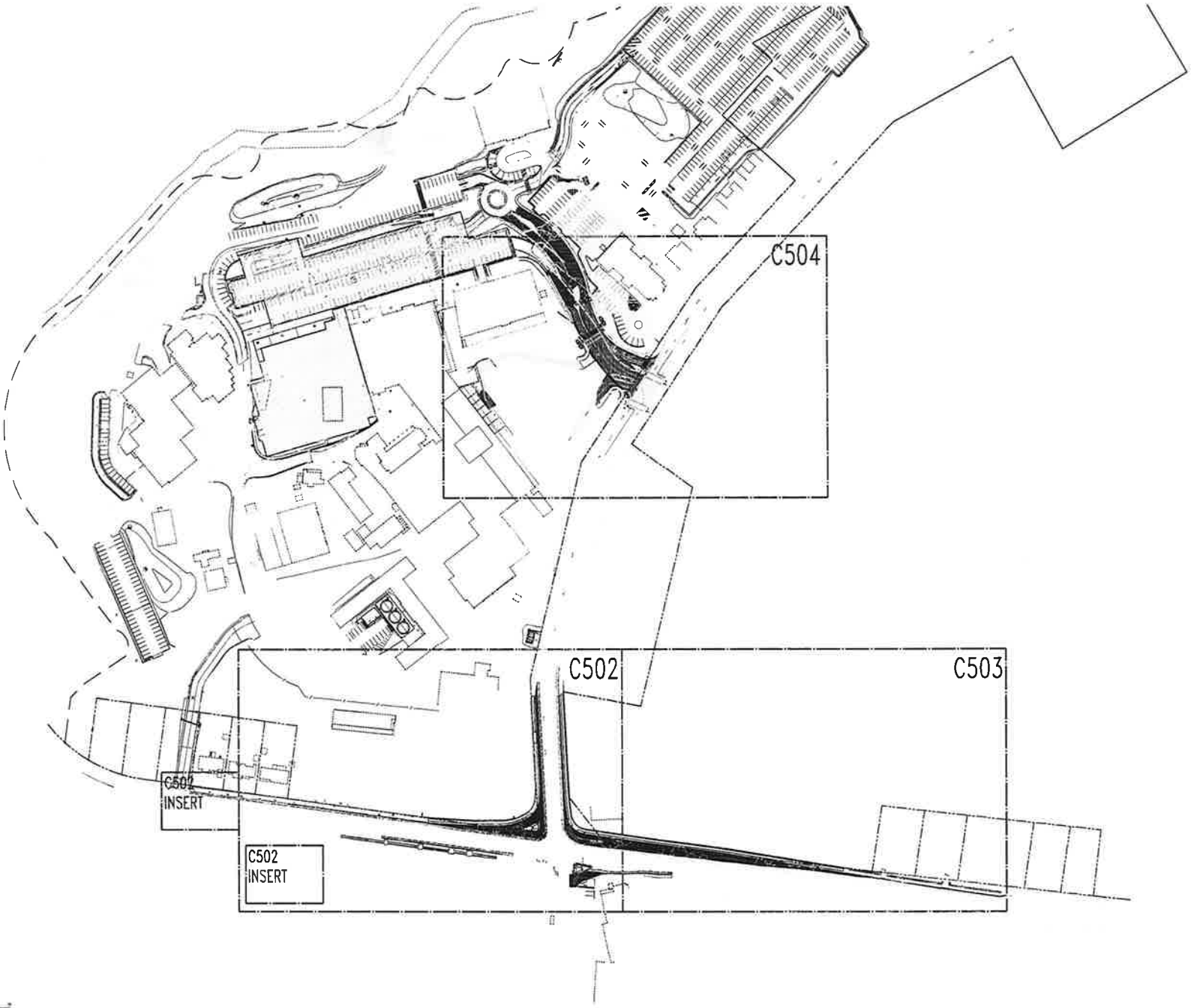

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05	ISSUE FOR INFORMATION	SV	MS	28.11.12
04	ISSUE FOR INFORMATION	SV	MS	13.09.12
03	ISSUE FOR INFORMATION	SV	MS	24.08.12
02	ISSUE FOR APPROVAL	SV	MS	13.03.11
01	ISSUE FOR APPROVAL	SV	MS	28.02.11

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Project
SYDNEY ADVENTIST HOSPITAL
FOX VALLEY ROAD
WAHROONGA

Sheet Subject
OVERALL PLAN

Scale @ A1: 1:1000
Drawn: MS
Authorised:

Job No	Part Code	Drawing No	Revision
111110	D	C501	06

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PAVEMENT LEGEND

NOTES
1. Asphaltic concrete shall conform to AS2150 and the specification
2. Pavement based on geotechnical report by

P1	30mm Thickness asphaltic concrete (AC14) with polymer modified (AC10) on 150mm Thickness asphaltic concrete (AC20) with polymer modified (AC10) on 300mm DS Cement Stabilised sub-base/sub-base fine crushed rock (DGS40)
P2	150mm Thickness concrete (F'c=32MPa) with SL82 fibre (40 top cover) on 100mm Compacted fine crushed rock (DGS 20)
P3	30mm AB and flashed asphaltic concrete (AC14) with polymer modified (AC10)

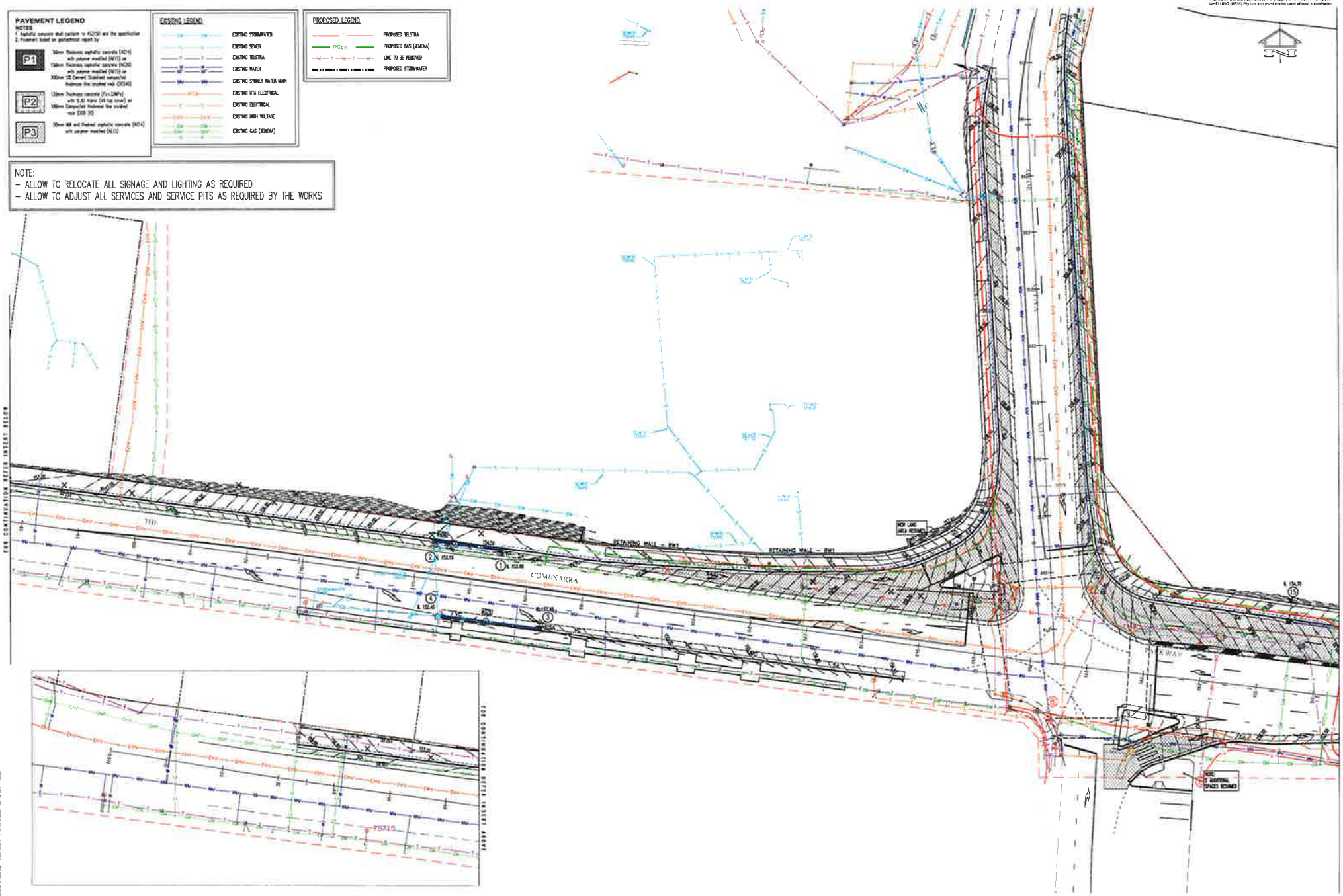
EXISTING LEGEND

	EXISTING STORMWATER
	EXISTING SEWER
	EXISTING TELSTRA
	EXISTING WATER
	EXISTING SYDNEY WATER MAIN
	EXISTING RTA ELECTRICAL
	EXISTING ELECTRICAL
	EXISTING HIGH VOLTAGE
	EXISTING GAS (JEMENA)

PROPOSED LEGEND

	PROPOSED TELSTRA
	PROPOSED GAS (JEMENA)
	LINE TO BE REMOVED
	PROPOSED STORMWATER

NOTE:
- ALLOW TO RELOCATE ALL SIGNAGE AND LIGHTING AS REQUIRED
- ALLOW TO ADJUST ALL SERVICES AND SERVICE PITS AS REQUIRED BY THE WORKS



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08	ISSUE FOR INFORMATION	TW	JC	13.10.12										
09	ISSUE FOR INFORMATION	TW	MS	12.06.12	C	ISSUE FOR APPROVAL	TW	MS	20.06.12					
0A	ISSUE FOR INFORMATION	TW	MS	24.08.12	D	ISSUE FOR APPROVAL	TW	MS	19.08.12					
0B	ISSUE FOR APPROVAL	TW	MS	12.12.12	0A	ISSUE FOR INFORMATION	TW	MS	28.12.12					
0C	ISSUE FOR APPROVAL	TW	MS	02.01.13	0B	ISSUE FOR INFORMATION	TW	MS	14.01.13					
0D	ISSUE FOR APPROVAL	TW	MS	28.01.13	0C	ISSUE FOR INFORMATION	TW	MS	04.02.13					

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Project
SYDNEY ADVENTIST HOSPITAL
FOX VALLEY ROAD
WAHROONGA

Drawn Subject
COMENARRA PARKWAY AND FOX VALLEY ROAD INTERSECTION
SITEWORKS PLAN SHEET 1

Scale: B1	Drawn	Authorised
1:250	MS	

Job No	Part Code	Drawing No	Revision
111110	D	C502	11

Plot File Created: Mar 12 2013 - 4:32pm

NOTE:
- ALLOW TO RELOCATE ALL SIGNAGE AND LIGHTING AS REQUIRED
- ALLOW TO ADJUST ALL SERVICES AND SERVICE PITS AS REQUIRED BY THE WORKS

EXISTING LEGEND

SW	EXISTING STORMWATER
S	EXISTING SEWER
T	EXISTING TELSTRA
W	EXISTING WATER
WM	EXISTING SYDNEY WATER MAIN
RTA	EXISTING RTA ELECTRICAL
E	EXISTING ELECTRICAL
EHV	EXISTING HIGH VOLTAGE
GM	EXISTING GAS (JEMENA)

PROPOSED LEGEND

T	PROPOSED TELSTRA
PGas	PROPOSED GAS (JEMENA)
T	LINE TO BE REMOVED
	PROPOSED STORMWATER

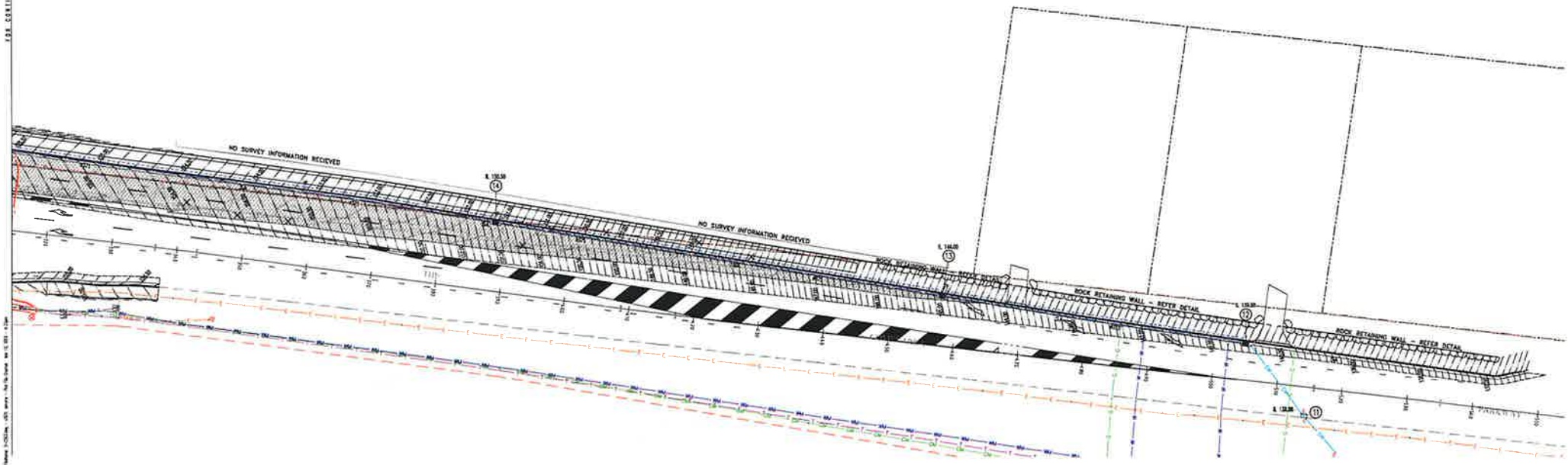
PAVEMENT LEGEND

NOTES
1. Asphaltic concrete shall conform to AS2150 and the specification
2. Pavement based on geotechnical report by

P1 — 30mm Thickness asphaltic concrete (AC14) with polymer modified (AC15) on 130mm Thickness asphaltic concrete (AC20) with polymer modified (AC15) on 200mm 5% Cement Stabilised compacted thickness fine crushed rock (CBR40)

P2 — 150mm Thickness concrete (32+32MPa) with SL92 fabric (40 top cover) on 100mm Compacted thickness fine crushed rock (CBR 35)

P3 — 30mm Mill and Replace asphaltic concrete (AC14) with polymer modified (AC15)



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16	ISSUE FOR INFORMATION	SB	JJ	13.12.12
15	ISSUE FOR INFORMATION	SB	MS	13.09.12
14	ISSUE FOR INFORMATION	SB	MS	24.05.12
13	ISSUE FOR APPROVAL	SB	MS	18.04.12
12	ISSUE FOR APPROVAL	SB	MS	12.12.11
11	ISSUE FOR APPROVAL	SB	MS	02.12.11
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09	ISSUE FOR APPROVAL	SB	MS	28.10.11
07	ISSUE FOR INFORMATION	SB	MS	04.10.11

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Project: SYDNEY ADVENTIST HOSPITAL
FOX VALLEY ROAD
WAHROONGA

Sheet Title: COMENARRA PARKWAY AND FOX VALLEY ROAD INTERSECTION SITEWORKS PLAN SHEET 2

Scale: 1:250 | Drawn: MS | Authorised:

Job No	Plan Code	Drawing No	Revision
111110	D	C503	10

Plot File Created: Mar 17 2015 - 4:32pm

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7000.238.VV.1310

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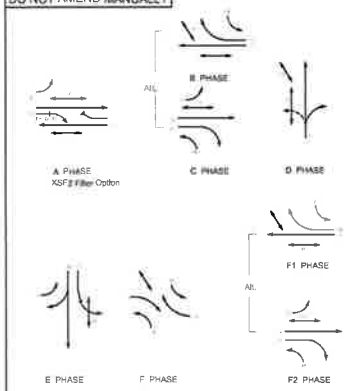
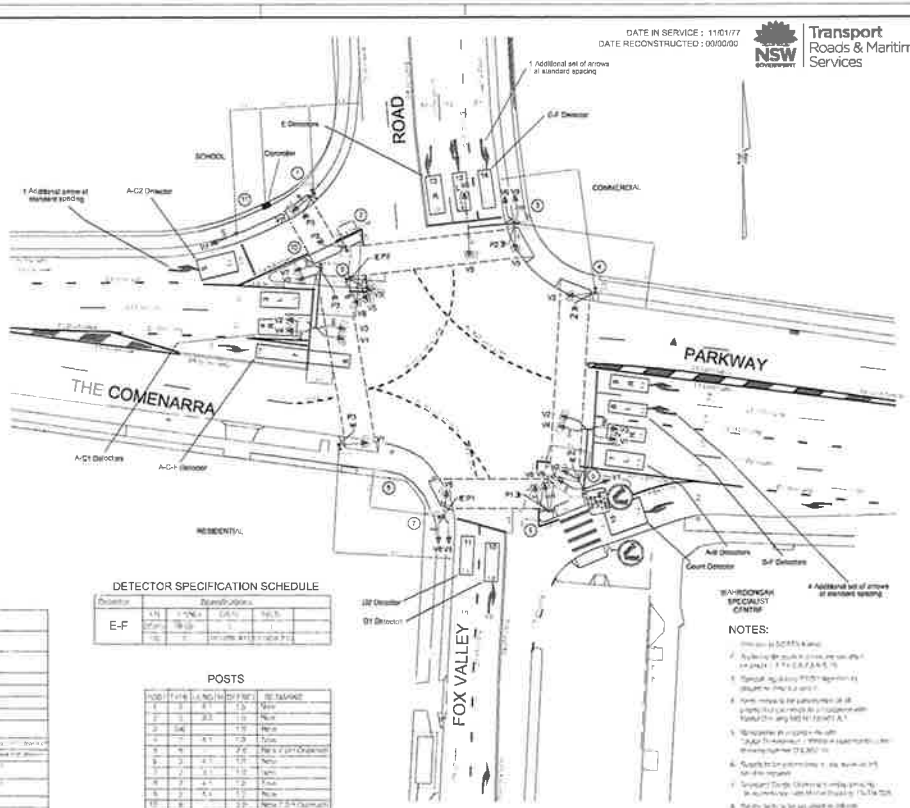
DATE IN SERVICE : 11/01/77
DATE RECONSTRUCTED : 00/00/00

Transport Roads & Maritime Services





NOTES:

SIGNAL GROUP PHASE CHART

DETECTOR SPECIFICATION SCHEDULE

Detector	Specifications				
E-F					

POSTS

A ORIGINAL ISSUE

APPROVED

RECOMMENDED

ACCEPTED

ROADS AND MARITIME SERVICES

KU-RING-GAI COUNCIL AREA
TRAFFIC SIGNALS AT THE INTERSECTION OF THE COMENARRA PARKWAY AND FOX VALLEY ROAD
WAHROONGA

DESIGN LAYOUT

TCS No. 1310

EXISTING ☐ PROPOSED ☒

CADD FILE: VV1310_12A.dgn

SCALE

FILE 238 TS 265

REGN. 7000.238.VV.1310

A

12

THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT NOTES ON DRAWING C500

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Project: SYDNEY ADVENTIST HOSPITAL
FOX VALLEY ROAD
WAHROONGA

Sheet Subject: COMENARRA PARKWAY AND FOX VALLEY ROAD SIGNALS PLAN

Scale: B1 1:250 | Drawn: MS | Authorised:

Job No.	Part Code	Drawing No.	Revision
111110	D	C505	07

Plot File Created: Nov 17 2015 @ 4:34pm

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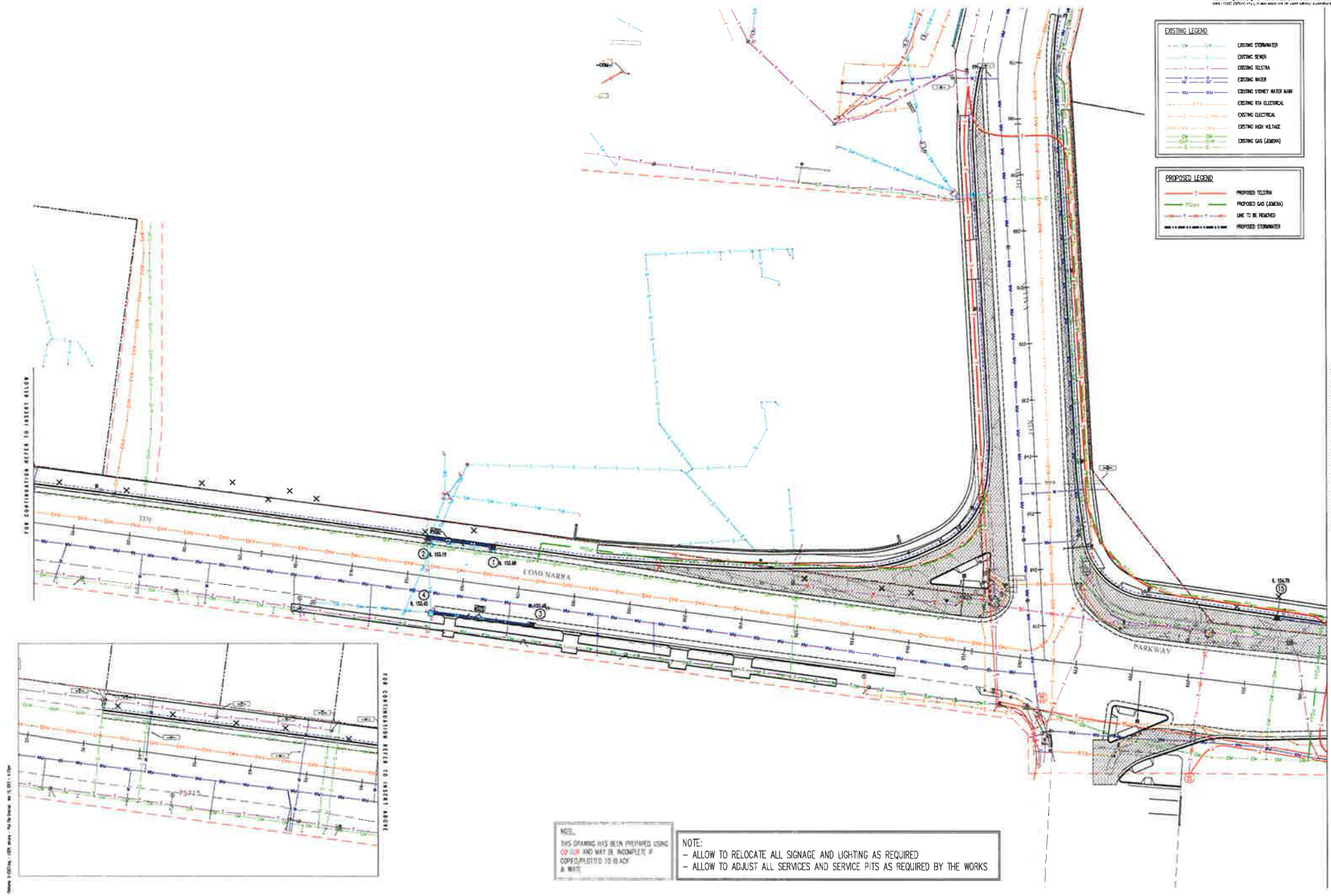

NOTE:
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NOTE:
- ALLOW TO RELOCATE ALL SIGNAGE AND LIGHTING AS REQUIRED
- ALLOW TO ADJUST ALL SERVICES AND SERVICE PITS AS REQUIRED BY THE WORKS

Rev	Description	Drn	Chk	Date
08	ISSUE FOR INFORMATION	TW	MS	19.12.13
09	ISSUE FOR INFORMATION	TW	MS	13.08.13
10	ISSUE FOR CC SIGNAGE	TW	MS	24.03.14
11	ISSUE FOR APPROVAL	TW	MS	13.12.11
12	ISSUE FOR APPROVAL	TW	MS	12.12.11
13	ISSUE FOR APPROVAL	TW	MS	28.11.11
06	ISSUE FOR APPROVAL	TW	MS	19.08.13
07	ISSUE FOR APPROVAL	TW	MS	19.08.13
07	ISSUE FOR INFORMATION	TW	MS	20.12.13

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Project
SYDNEY ADVENTIST HOSPITAL
FOX VALLEY ROAD
WAHROONGA

Drawn Subject
COMENARRA PARKWAY AND FOX VALLEY ROAD INTERSECTION
SERVICES PLAN SHEET 1

Scale: 1:250 | Drawn: MS | Authorised:

Job No	Part Code	Drawing No	Revision
111110	D	C507	09

Plot File Created: Mar 12 2015 - 1:32am

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- ALLOW TO RELOCATE ALL SIGNAGE AND LIGHTING AS REQUIRED
- ALLOW TO ADJUST ALL SERVICES AND SERVICE PITS AS REQUIRED BY THE WORKS

EXISTING LEGEND

- EXISTING STORMWATER
- EXISTING SEWER
- EXISTING TELSTRA
- EXISTING WATER
- EXISTING SYDNEY WATER MAIN
- EXISTING RTA ELECTRICAL
- EXISTING ELECTRICAL
- EXISTING HIGH VOLTAGE
- EXISTING GAS (ARMENA)

PROPOSED LEGEND

- PROPOSED TELSTRA
- PROPOSED GAS (ARMENA)
- LINE TO BE REMOVED
- PROPOSED STORMWATER

NOTE:
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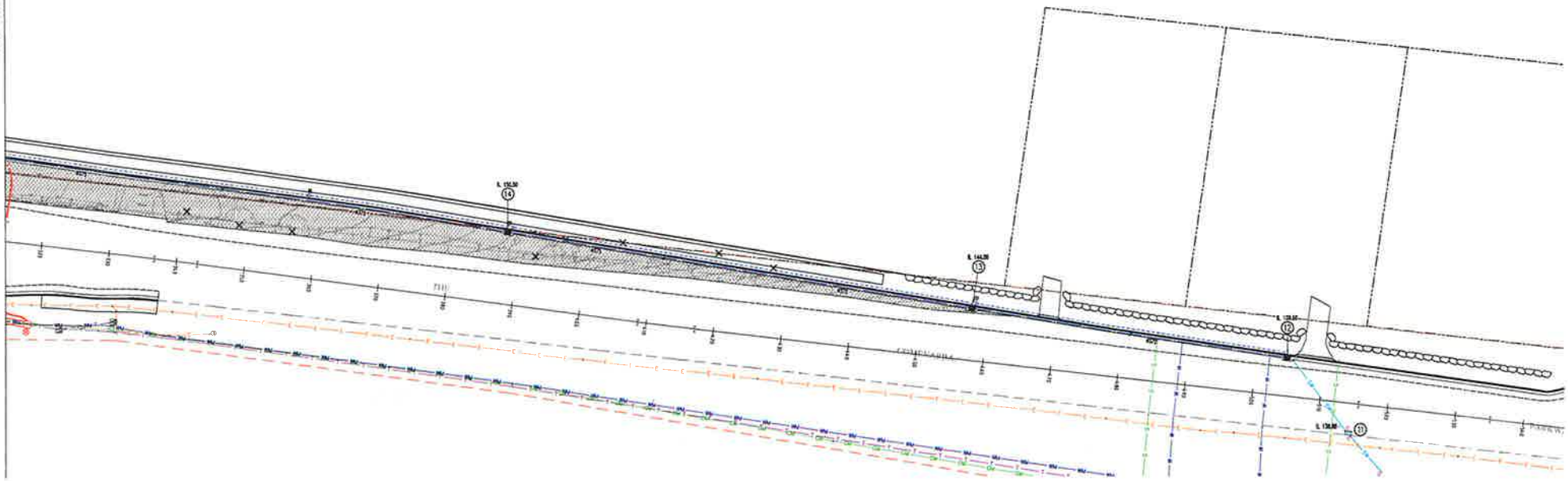
FOR CONTINUATION REFER TO DRAWING NAC507



Rev	Description	Drn	Chkd	Date
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07	ISSUE FOR INFORMATION	TW	MS	13.02.12
06	ISSUE FOR APPROVAL	TW	MS	24.01.12
05	ISSUE FOR APPROVAL	TW	MS	12.01.12
04	ISSUE FOR APPROVAL	TW	MS	22.12.11
03	ISSUE FOR APPROVAL	TW	MS	28.11.11
02	ISSUE FOR APPROVAL	TW	MS	18.08.12
01	ISSUE FOR APPROVAL	TW	MS	10.04.12

THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT NOTES ON DRAWING C500

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Project: SYDNEY ADVENTIST HOSPITAL
FOX VALLEY ROAD
WAHROONGA

Sheet Subject: COMENARRA PARKWAY AND FOX VALLEY ROAD INTERSECTION SERVICES PLAN SHEET 2

Scale: 1:250 | Drawn: MS | Authorised: K.

Job No	Plan Code	Drawing No	Revision
111110	D	C508	07

Plan File Created: Mar 12 2015 - 4:32pm

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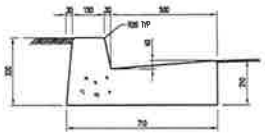
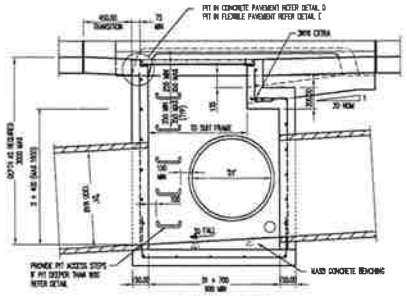
SCALE 1: 10



RTA KERB TYPE – SA
SCALE 1: 10



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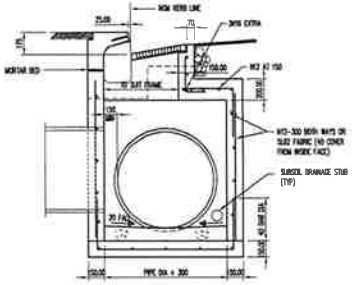
SCALE 1:20



SECTION 2
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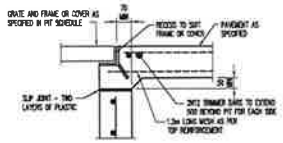
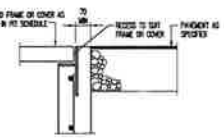
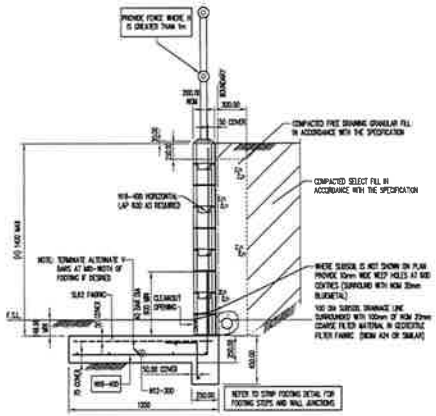


DETAIL D
SCALE 1: 10



DETAIL E
SCALE 1: 10



200 WALL RW1
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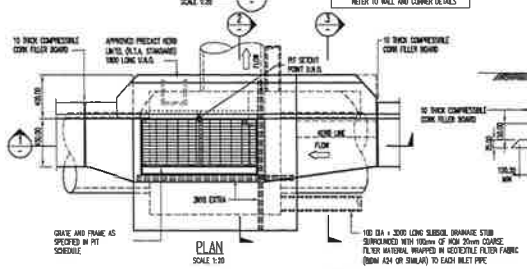
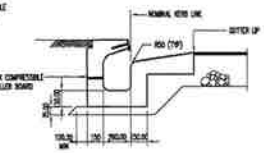
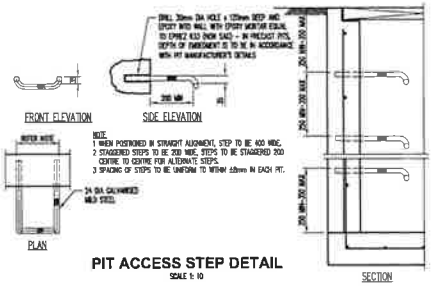


PLAN
SCALE 1:20

PIT TYPE A



SECTION 3
SCALE 1:20



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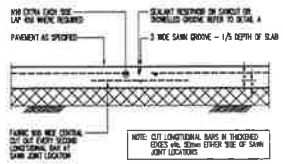
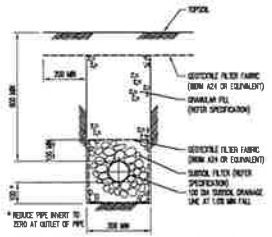
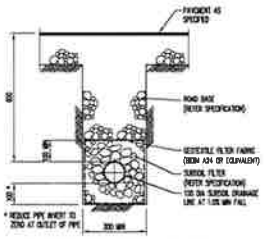


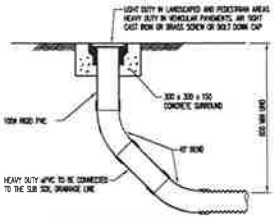
SAWN CONTROL JOINT (SJ)
SCALE 1: 20



SUBSOIL IN LANDSCAPED AREAS
SCALE 1: 10



SUBSOIL IN PAVED AREAS
SCALE 1: 10



FLUSHING POINT (FP)
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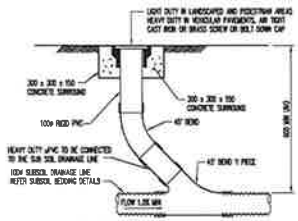
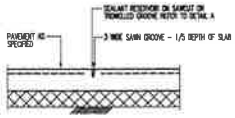
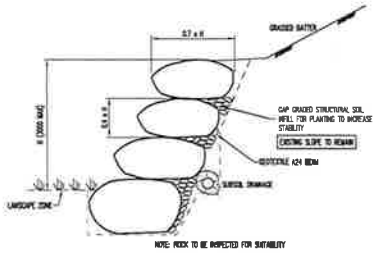
NOTE: SLOTTED RIGID PVC PIPE AND FITTINGS MAY BE USED



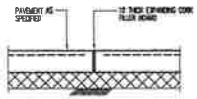
INTERMEDIATE RISER (IR)
SCALE 1: 10
NOTE: SLOTTED RIGID PVC PIPE AND FITTINGS MAY BE USED



WEAKENED PLANE JOINT (WPJ)
SCALE 1: 20



MASS ROCK RETAINING WALL
SCALE 1: 20
FOR REPLACEMENT OF EXISTING ROCKWALL



EXPANSION JOINT (EJ)
SCALE 1: 20

Rev	Description	Drn	Chkd	Date
04	ISSUE FOR APPROVAL	SH	MS	19.04.13
03	ISSUE FOR INFORMATION	SH	MS	24.03.13
02	ISSUE FOR APPROVAL	SH	MS	12.03.13
01	ISSUE FOR APPROVAL	SH	MS	08.03.13

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Project: SYDNEY ADVENTIST HOSPITAL
FOX VALLEY ROAD
WAHROONGA

Sheet Subject: DETAILS SHEET

Scale: NT | Drawn: MS | Authorised: -

Job No. 111110 | Part Code D | Drawing No. C510 | Revision 04

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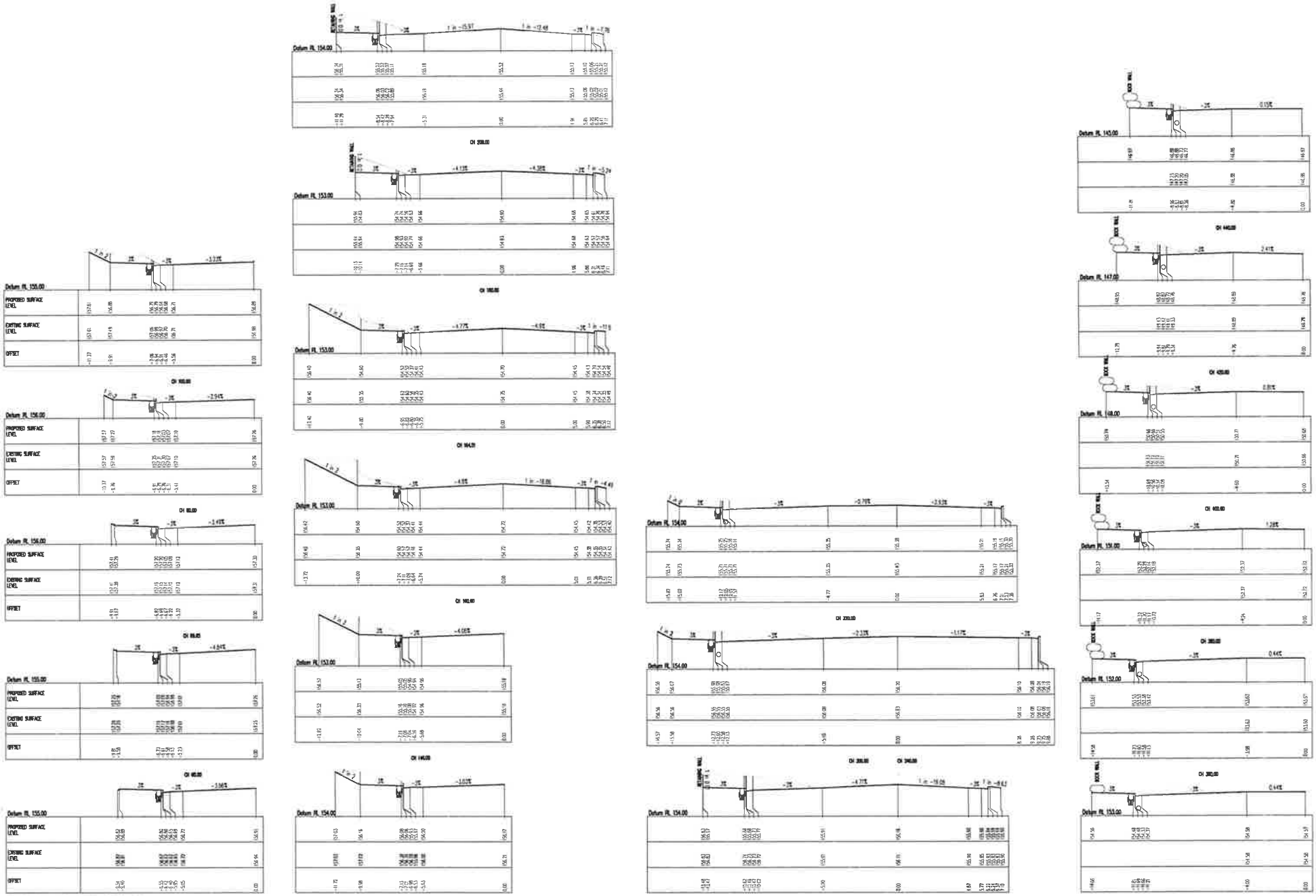

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Project
SYDNEY ADVENTIST HOSPITAL
FOX VALLEY ROAD
WAHROONGA

Sheet Subject
SECTIONS SHEET 1

Scale: 01 1:100 vertical 1:100 horizontal
Drawn: MS
Authorised:

Job No.	Part Code	Drawing No.	Revision
111110	D	C520	05

File: File Creation: Mar 12, 2013 - 4:32pm

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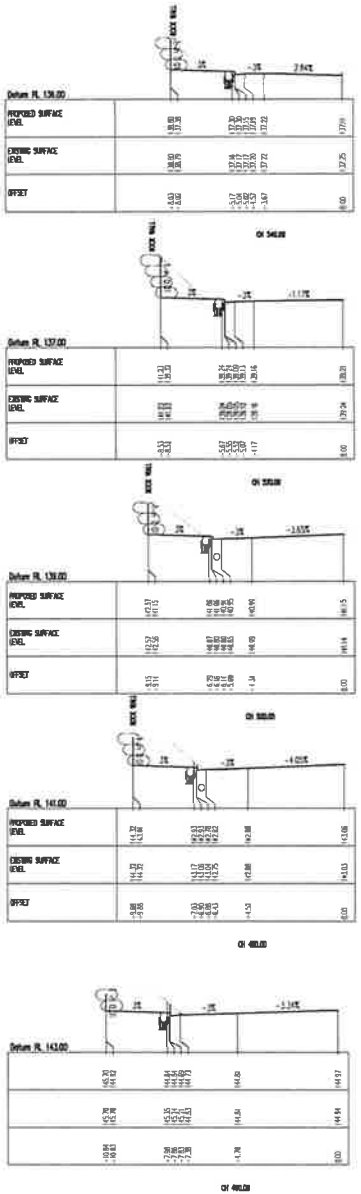

ROAD 001 – COMENARRA PARKWAY

Rev	Description	By	Chk	Date
05	ISSUE FOR INFORMATION	SB	MG	03.06.15
04	ISSUE FOR INFORMATION	SB	MG	30.03.15
03	ISSUE FOR INFORMATION	SB	MG	04.03.15
02	ISSUE FOR APPROVAL	SB	MG	12.02.15
01	ISSUE FOR APPROVAL	SB	MG	02.12.14

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Project: SYDNEY ADVENTIST HOSPITAL
FOX VALLEY ROAD
WAHROONGA

Sheet Subject: SECTIONS SHEET 2

Scale: B1 1:100 vertical 1:100 horizontal
Drawn: NG
Authorised:

Job No	Part Code	Drawing No	Revision
111110	D	C521	05

Plot File Created: Mar 12, 2015 - 4:32pm

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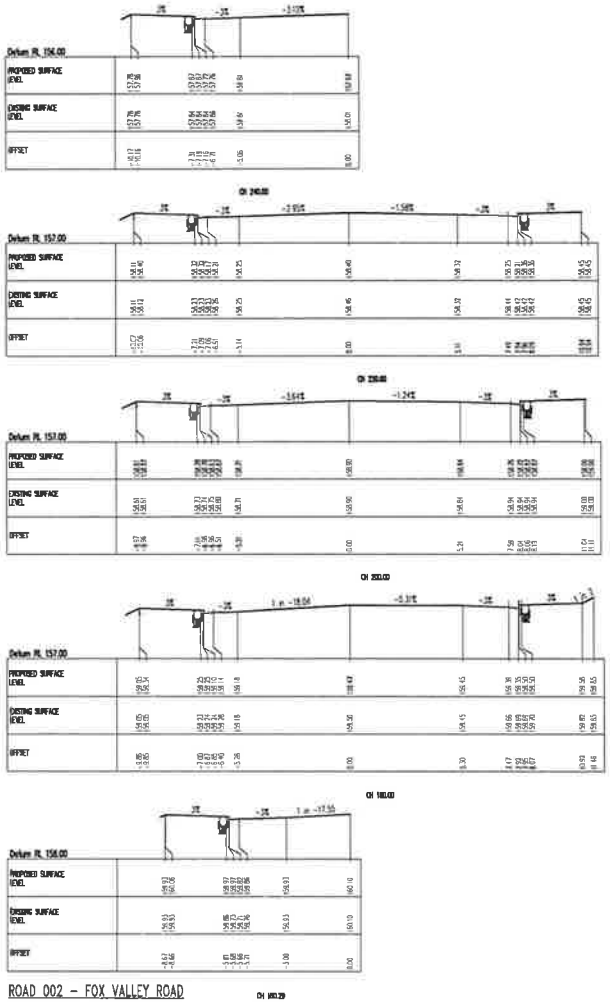
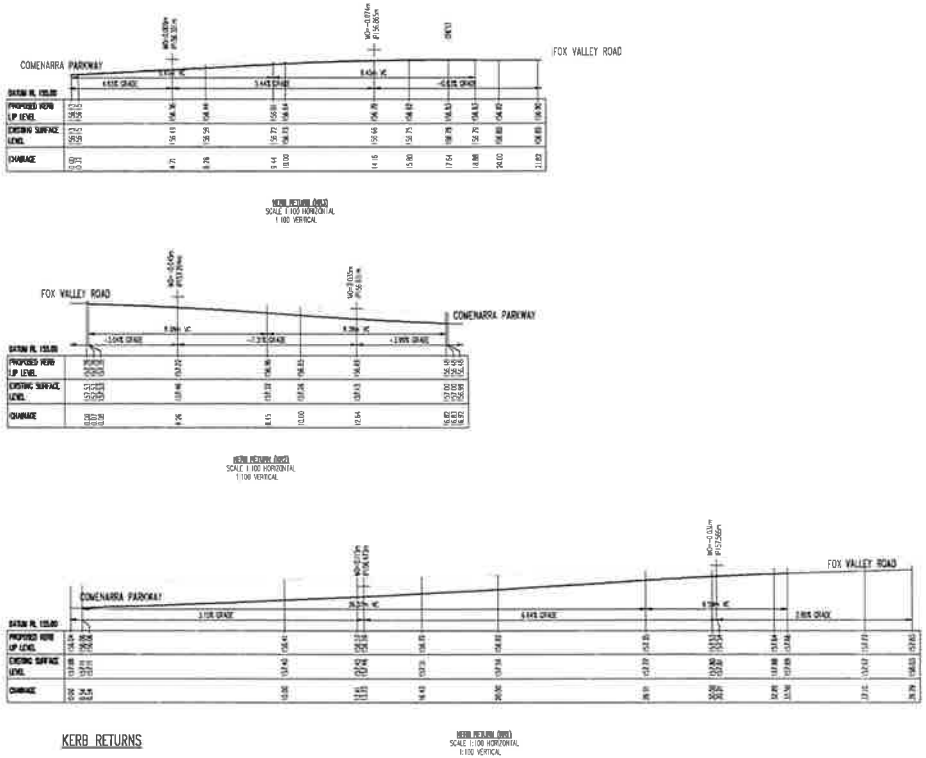


ROAD 002 – FOX VALLEY ROAD



KERB RETURNS

D	ISSUE FOR INFORMATION	TW	MS	26.09.13
C	ISSUE FOR INFORMATION	TW	MS	30.07.13
B	ISSUE FOR INFORMATION	TW	MS	24.06.13
A	ISSUE FOR APPROVAL	TW	MS	13.05.13
	ISSUE FOR APPROVAL	TW	MS	02.05.13

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Project
SYDNEY ADVENTIST HOSPITAL
FOX VALLEY ROAD
WAHROONGA

Sheet Subject
SECTIONS SHEET 3

Scale: B1 1:100 vertical 1:100 horizontal
Drawn MS
Authorised

Job No	Part Code	Drawing No	Revision
111110	D	C522	05

Plot File Created Mar 12 2015 - 1:32pm

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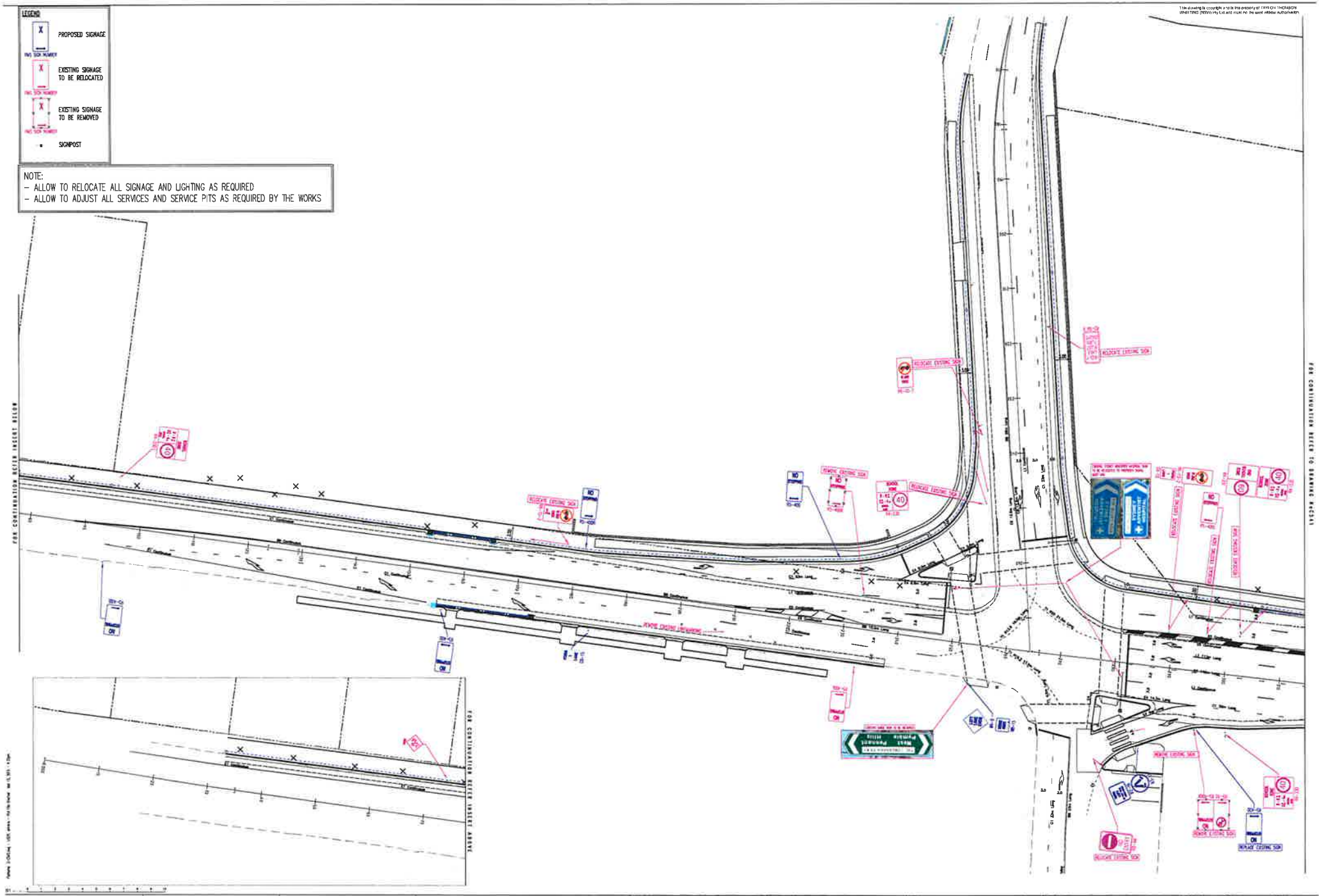
LEGEND

- PROPOSED SIGNAGE
- EXISTING SIGNAGE TO BE RELOCATED
- EXISTING SIGNAGE TO BE REMOVED
- SIGNPOST

NOTE:
- ALLOW TO RELOCATE ALL SIGNAGE AND LIGHTING AS REQUIRED
- ALLOW TO ADJUST ALL SERVICES AND SERVICE PITS AS REQUIRED BY THE WORKS



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B	ISSUE FOR APPROVAL	SW	MS	13.09.13	
A	ISSUE FOR INFORMATION	SW	MS	26.12.13	
0	ISSUE FOR APPROVAL	SW	MS	20.10.13	

THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT NOTES ON DRAWING C500

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Project
SYDNEY ADVENTIST HOSPITAL
FOX VALLEY ROAD
WAHROONGA

Sheet Subject
SIGNAGE AND LINEMARKING PLAN
SHEET 1

Scale: @1 1:250 | Drawn: MS | Authorised:

Job No	Part Code	Drawing No	Revision
111110	D	C540	05

Plot File Created Mar 12 2015 - 4:33pm

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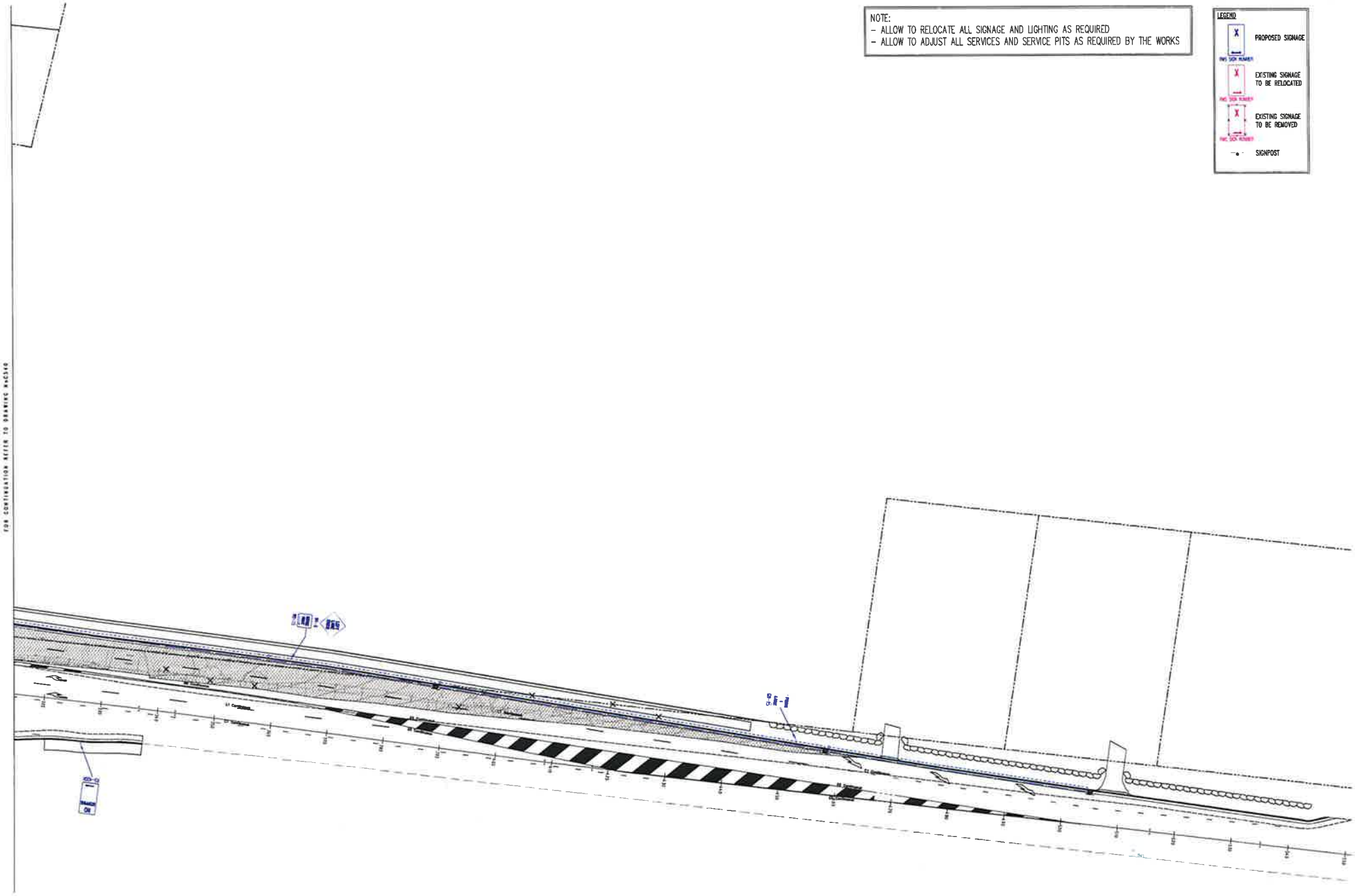
LEGEND

- PROPOSED SIGNAGE
- EXISTING SIGNAGE TO BE RELOCATED
- EXISTING SIGNAGE TO BE REMOVED
- SIGNPOST



Rev	Description	Drn	Chkd	Date
C	ISSUE FOR APPROVAL	TW	MG	10.04.13
B	ISSUE FOR INFORMATION	TW	MG	26.03.13
A	ISSUE FOR APPROVAL	TW	MG	20.03.13

THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT NOTES ON DRAWING C500

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Project: SYDNEY ADVENTIST HOSPITAL
FOX VALLEY ROAD
WAHROONGA

Drawn Subject: TRAFFIC AND LINEMARKING SHEET 2

Scale: 1:250 | Drawn: MG | Authorised:

Job No.	Part Code	Drawing No.	Revision
111110	D	C504	03

Plot File Created: Mar 12 2013 - 4:32pm

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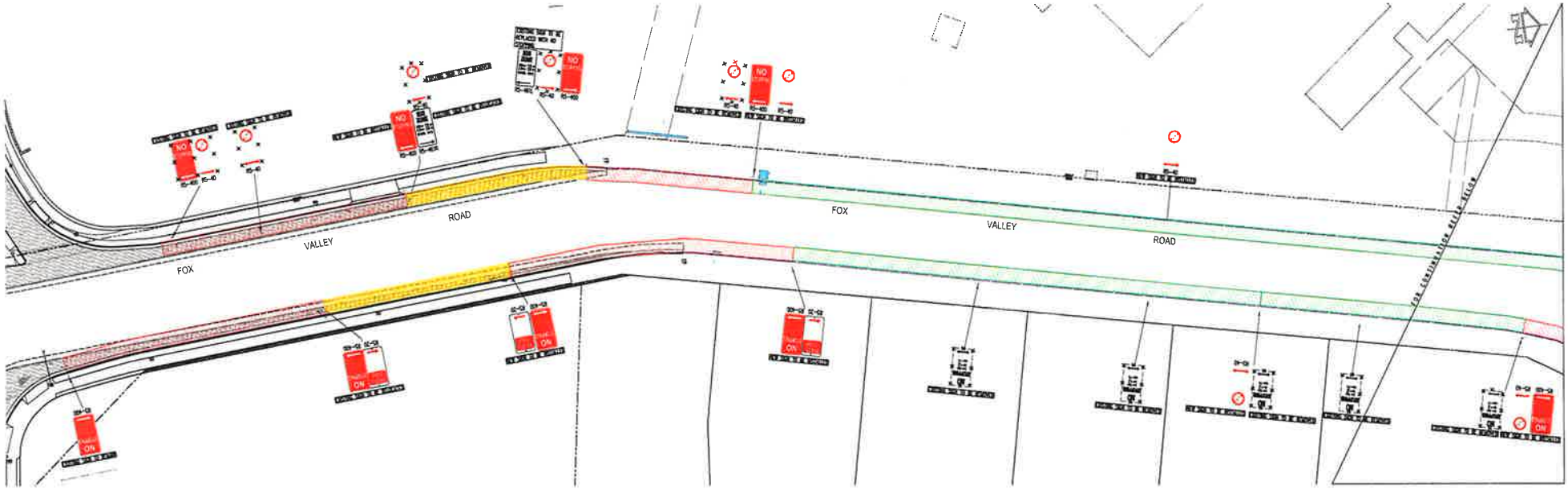
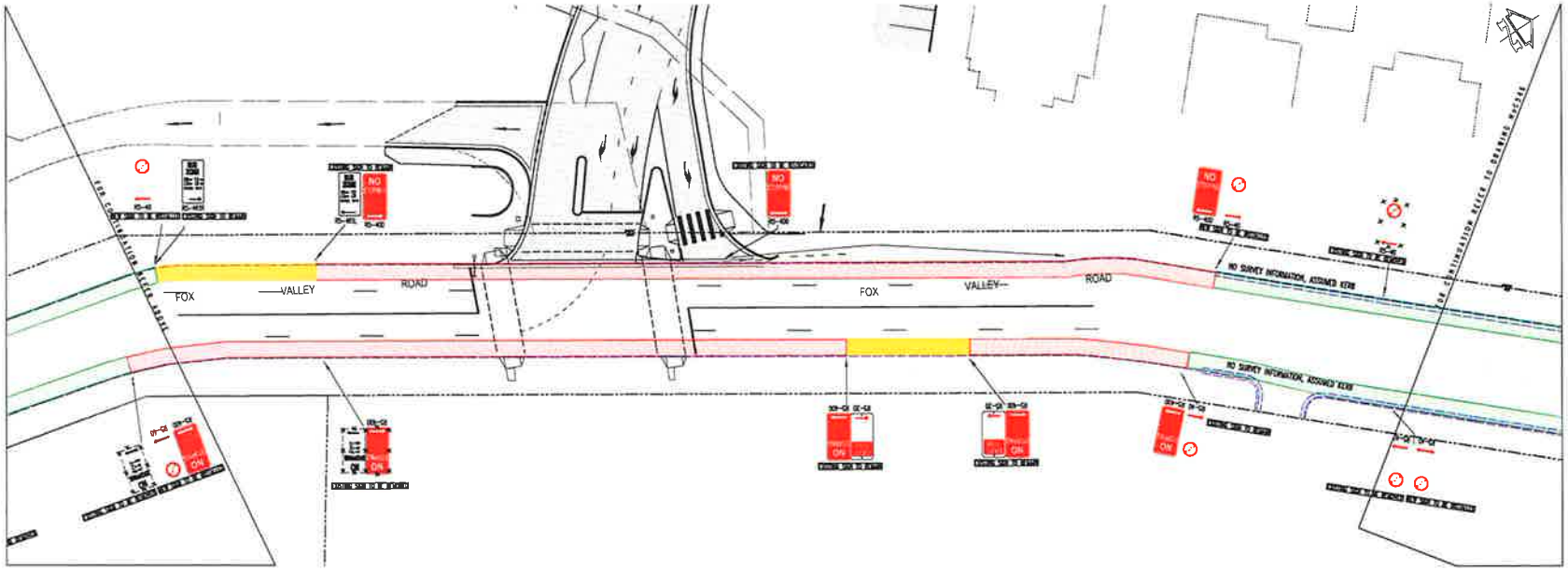
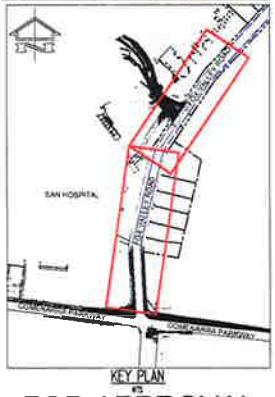




LEGEND

- NO STOPPING
- NO PARKING
- NO PARKING AM+PM
- BUS ZONE



KEY PLAN

FOR APPROVAL

Rev	Description	Drn	Chkd	Date
03	ISSUE FOR APPROVAL			
02	ISSUE FOR APPROVAL			
01	ISSUE FOR APPROVAL			

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Project
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FOX VALLEY ROAD
WAHROONGA

Drawn Subject
NO STOPPING SIGNAGE
FOX VALLEY ROAD

Scale: B1 1:250 | Drawn MS | Authorised

Job No	Part Code	Drawing No	Revision
111110	D	C545	03

Plot File Created: Mar 12 2015 - 4:32pm

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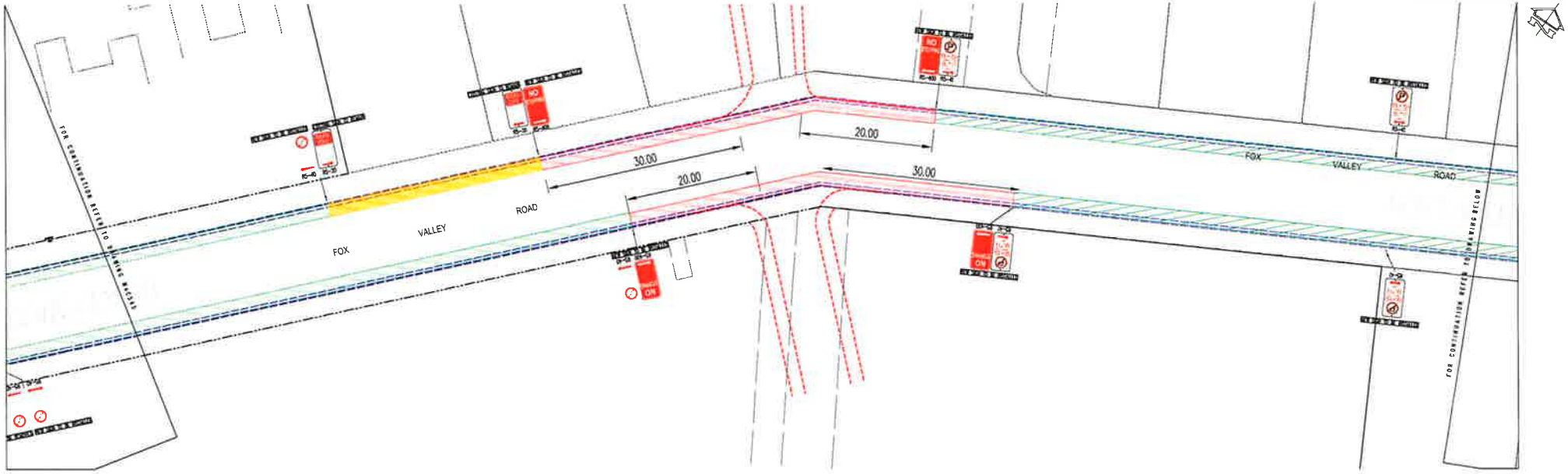
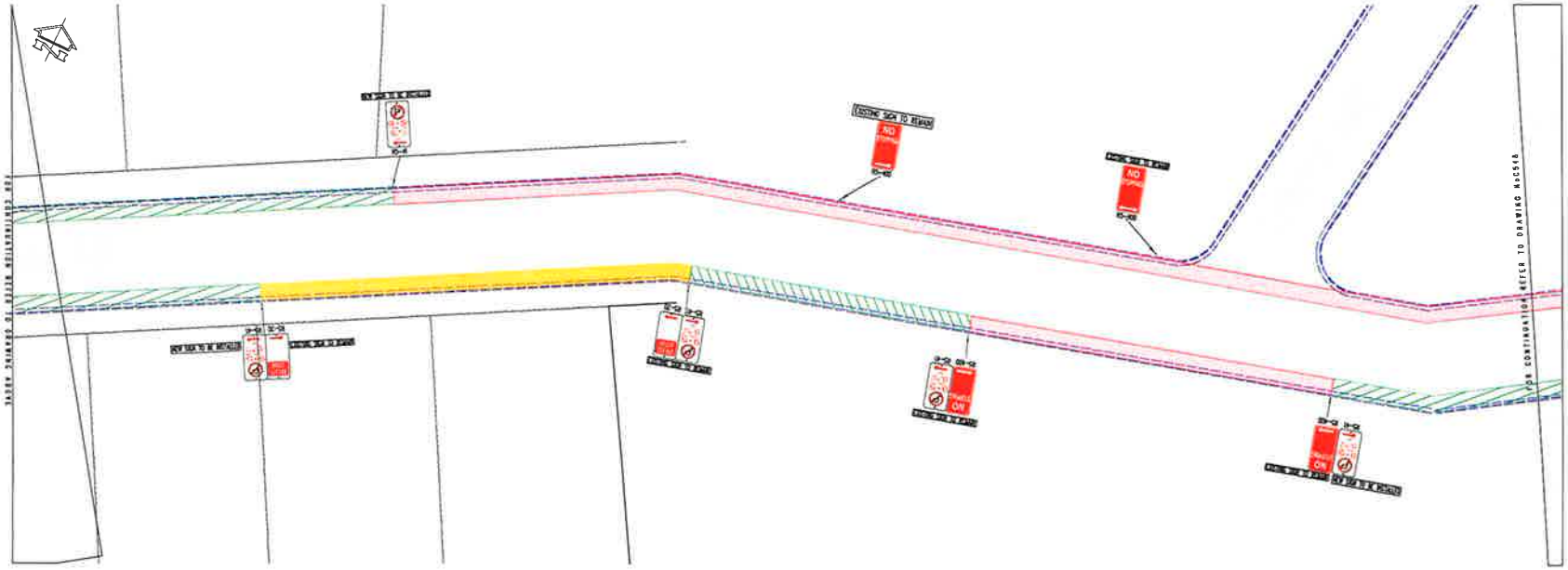
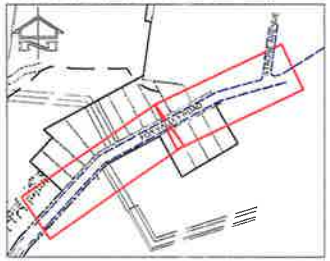




LEGEND

- NO STOPPING
- NO PARKING
- NO PARKING AM+PM
- BUS ZONE



KEY PLAN
NTS

FOR APPROVAL

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Project
SYDNEY ADVENTIST HOSPITAL
FOX VALLEY ROAD
WAHROONGA

Sheet Subject
NO STOPPING SIGNAGE
FOX VALLEY ROAD
SHEET 2

Scale: B1 1:250
Drawn: MS
Authorised:

Job No.	Part Code	Drawing No.	Revision
111110	D	C546	02

Rev	Description	Drg	Drawn	Date
D	ISSUE FOR APPROVAL	TT	TT	09.09.14
C	ISSUE FOR APPROVAL	TT	MS	18.07.14

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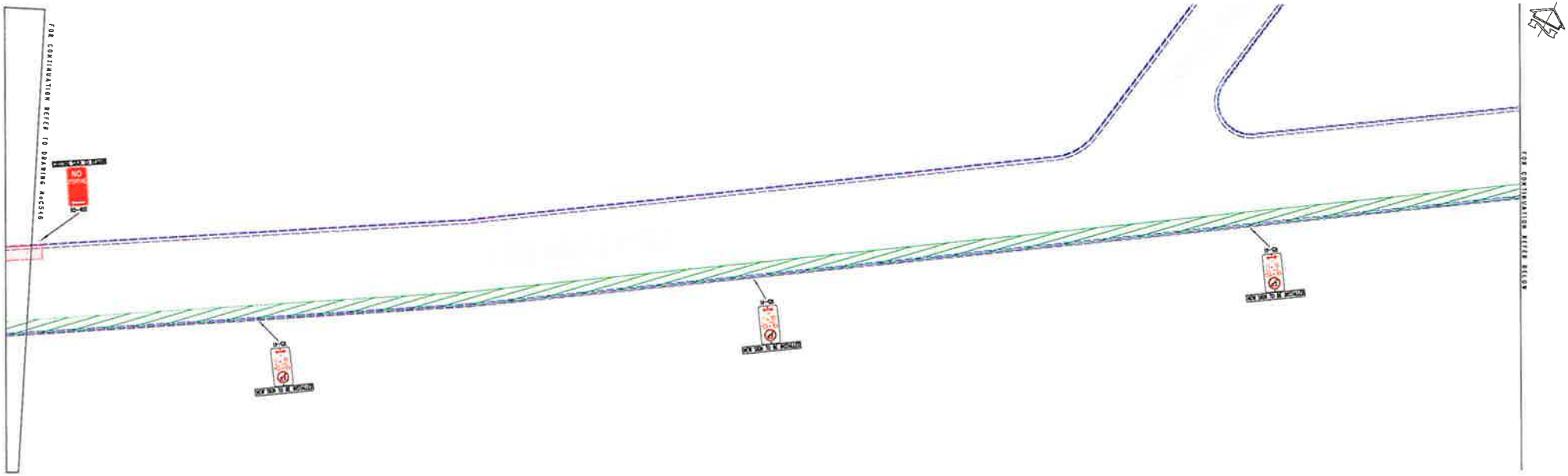

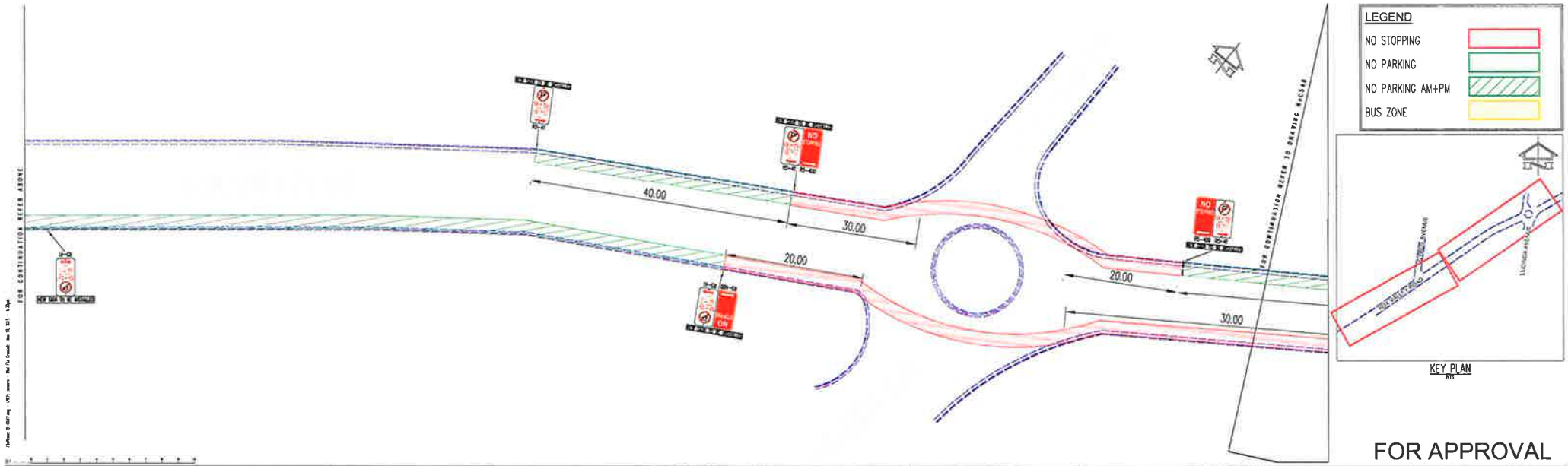

FOR APPROVAL

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Project
SYDNEY ADVENTIST HOSPITAL
FOX VALLEY ROAD
WAHROONGA

Sheet Subject
NO STOPPING SIGNAGE
FOX VALLEY ROAD
SHEET 3

Scale @ A1	Drawn	Authorised
1:250	NS	

Job No	Part Code	Drawing No	Revision
111110	D	C547	02

This File Created Mar 17 2016 - 4:30pm

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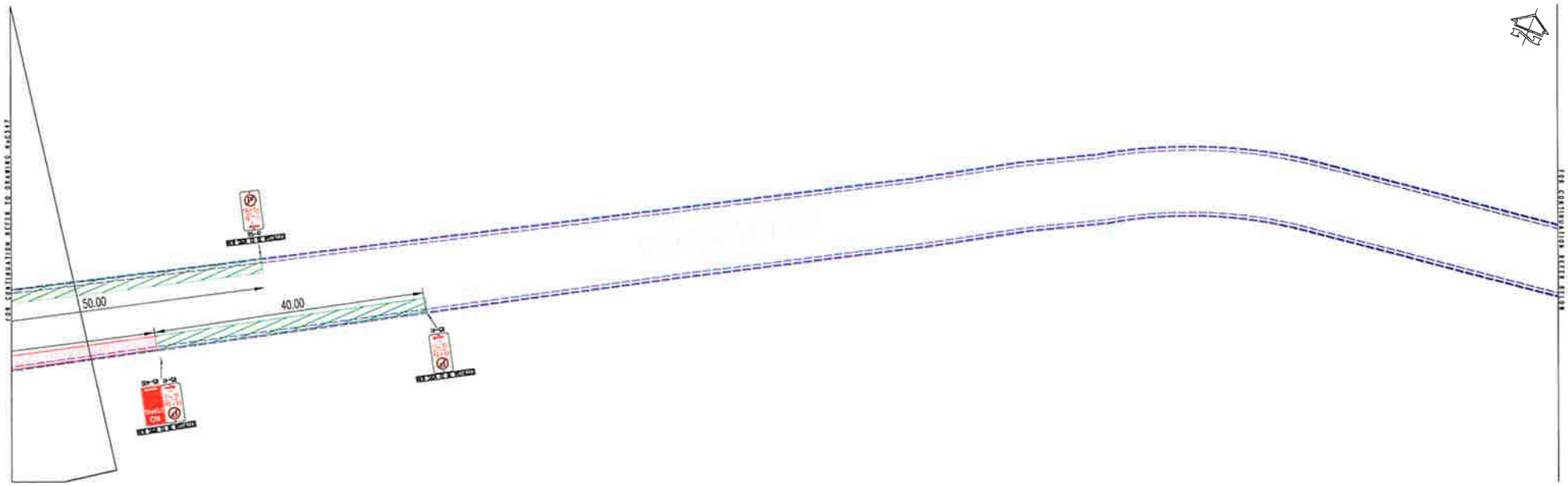
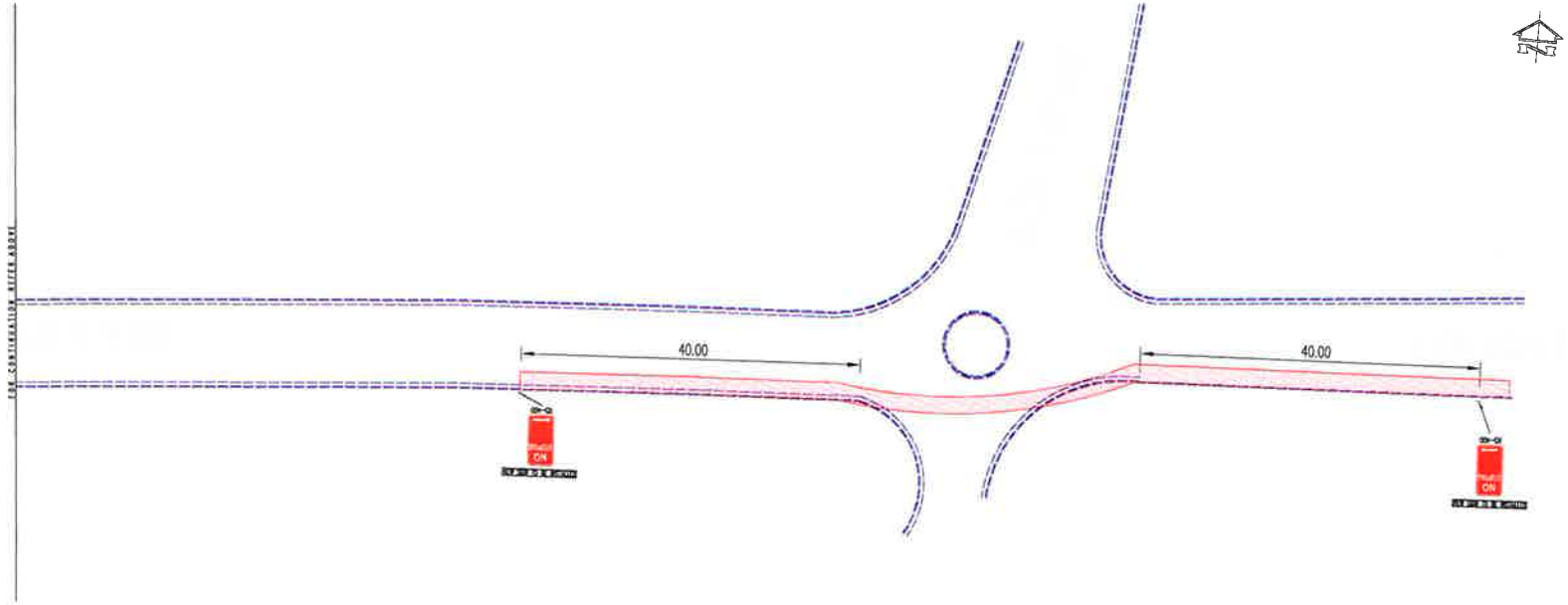
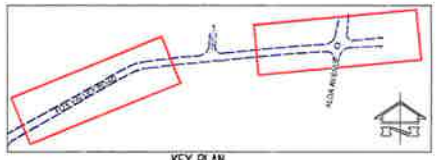




LEGEND

- NO STOPPING
- NO PARKING
- NO PARKING AM+PM
- BUS ZONE



KEY PLAN
NTS

FOR APPROVAL

03	ISSUE FOR APPROVAL	TB	09.05.14
02	ISSUE FOR APPROVAL	TB	18.03.14
Rev	Description	Eng	Draft / Date

THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT NOTES ON DRAWING CS00

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Project
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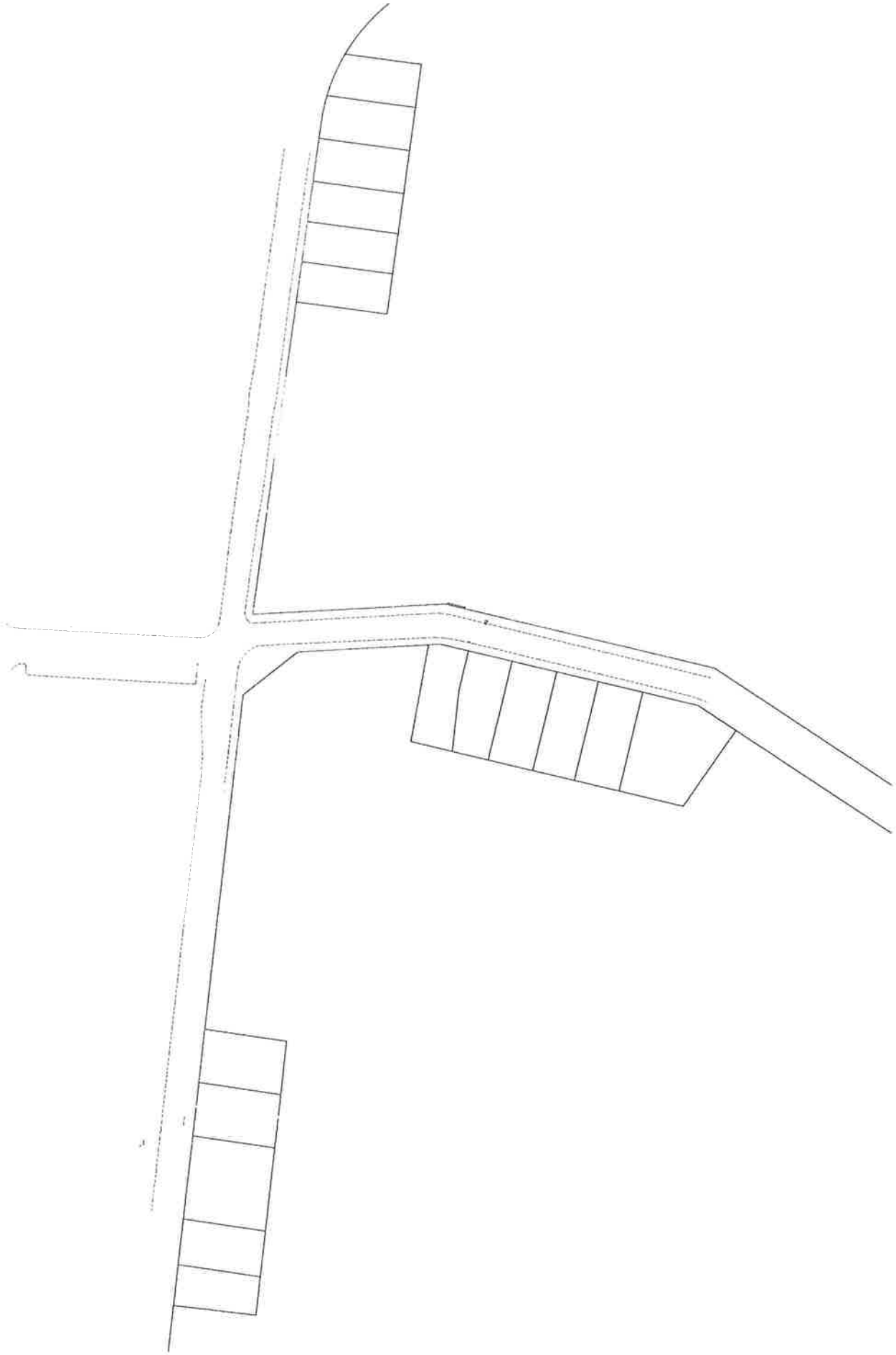
FOX VALLEY ROAD
WAHROONGA

Sheet Subject
NO STOPPING SIGNAGE
FOX VALLEY ROAD
SHEET 4

Scale: @ A1 1:250 | Drawn MS | Authorised

Job No	Part Code	Drawing No	Revision
111110	D	C548	02

Plan File Created Mar 13 2015 - 4:32pm

CHAPARRAL
PARKWAY