MELROSE PARK - VICTORIA ROAD SITE

STAGE 3 - LOT AA

CIVIL ENGINEERING PACKAGE

SOURCE : AU.NEARMAP.COM

DRAWING SCHEDULE

Sheet Number	Sheet Title
C01.01	COVER SHEET, DRAWING SCHEDULE AND LOCALITY PLAN
C01.11	SPECIFICATION NOTES
C01.21	EXISTING SITE CONDITIONS
C01.31	GENERAL ARRANGEMENT PLAN - PROPOSED LOT AA (VRS MASTERPLAN)
C01.41	GENERAL ARRANGEMENT - PROPOSED LOT AA (MELROSE SITE MASTERPLAN)
C02.01	CONCEPT SEDIMENT AND SOIL EROSION CONTROL PLAN SHEET 1
C02.11	SEDIMENT AND SOIL EROSION CONTROL DETAILS
C04.01	TYPICAL SECTIONS SHEET 1
C04.02	TYPICAL SECTIONS SHEET 2
C04.11	SITEWORKS & GRADING PLAN - SHEET 1
C04.12	SITEWORKS & GRADING PLAN - SHEET 2
C04.21	ROAD ALIGNMENT CONTROL PLAN - SHEET 1
C04.31	ROAD LONGITUDINAL SECTIONS - SHEET 1
C04.32	ROAD LONGITUDINAL SECTIONS - SHEET 2
C04.33	ROAD LONGITUDINAL SECTIONS - SHEET 3
C04.34	ROAD LONGITUDINAL SECTIONS - SHEET 4
C04.35	ROAD LONGITUDINAL SECTIONS - SHEET 5
C04.51	ROAD CROSS SECTIONS - SHEET 1
C04.52	ROAD CROSS SECTIONS - SHEET 2
C04.53	ROAD CROSS SECTIONS - SHEET 3
C04.54	ROAD CROSS SECTIONS - SHEET 4
C04.55	ROAD CROSS SECTIONS - SHEET 5
C04.56	ROAD CROSS SECTIONS - SHEET 6
C04.57	ROAD CROSS SECTIONS - SHEET 7
C04.58	ROAD CROSS SECTIONS - SHEET 8
C04.81	KERB RETURNS - SHEET 1
C04.82	KERB RETURNS - SHEET 2
C06.01	RETAINING WALL PLAN - SHEET 1
C06.02	RETAINING WALL PLAN - SHEET 2
C06.11	RETAINING WALL ELEVATIONS - SHEET 1
C06.12	RETAINING WALL ELEVATIONS - SHEET 2
C07.01	STORMWATER DRAINAGE PLAN - SHEET 1
C07.02	STORMWATER DRAINAGE PLAN - SHEET 2
C07.11	STORMWATER LONGITUDINAL SECTIONS - SHEET 1
C07.12	STORMWATER LONGITUDINAL SECTIONS - SHEET 2
C07.41	STORMWATER OSD DETAILS - SHEET 1
C07.42	STORMWATER OSD DETAILS - SHEET 2
C07.91	CATCHMENT PLAN
C08.01	PAVEMENT PLAN - SHEET 1
C08.02	PAVEMENT PLAN - SHEET 2
C08.61	TURNING PATHS PLANS - SHEET 1
C08.62	TURNING PATHS PLANS - SHEET 2
C10.01	SITEWORKS DETAILS - SHEET 1
C10.02	SITEWORKS DETAILS - SHEET 2

DRAWN: A. PACIBEN DESIGNED: P. SUTTON JOB MANAGER: M. RICHARDS VERIFIER: M. RICHARDS

NOT FOR CONSTRUCTION

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
1	ISSUED FOR DEVELOPMENT APPLICATION	AP		RH	05.06.18
2	ISSUED FOR DEVELOPMENT APPLICATION	AP		RH	18.07.18

CLIENT: PAYCE

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PROJECT MANAGER: m PROJECTS

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NORTHROP
Sydney
Level 11, 345 George Street, Sydney NSW 2000
Ph (02) 9241 4188 Fax (02) 9241 4324
Email sydney@northrop.com.au ABN 81 094 433 100

PROJECT: MELROSE PARK NSW VICTORIA ROAD SITE

STAGE 3 - LOT AA - DA PACKAGE

DRAWING TITLE: CIVIL ENGINEERING PACKAGE

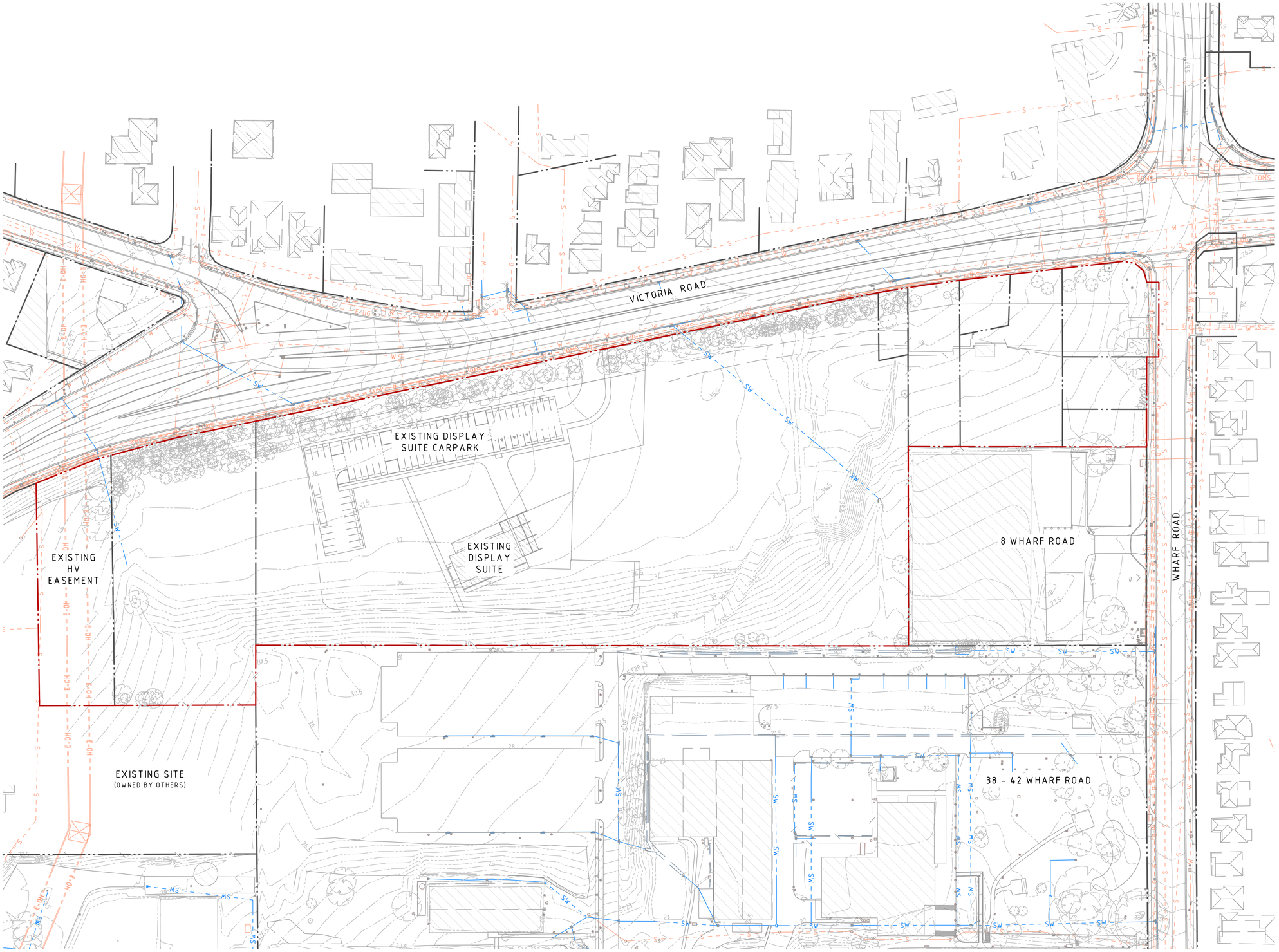
COVER SHEET, DRAWING SCHEDULE AND LOCALITY PLAN

JOB NUMBER-STAGE-SUBSTAGE-PHASE: 150077-03-02-DA

DRAWING NUMBER: C01.01 REVISION: 2

DRAWING SHEET SIZE = A1

Found : K:\2015\150077 - 44 wharf road, melrose park\c-drawings\d-northrop\C-CIVIL\3-CURRENT CAD FILES\DA\STAGE 3 - LOT AA\150077-03-02-DA-C01.01_COVER SHEET.dwg Plotted By : APaciben Date : 18-7-18 5:07pm



LEGEND

- EXISTING BOUNDARY LINE
- EXISTING VRS SITE BOUNDARY
- EXISTING SERVICES
- EXISTING STORMWATER
- EXISTING CONTOURS

GENERAL NOTES:

1. SURVEY SUPPLIED BY:
   1.1. NAME: LTS LOCKLEY
   1.2. DATE: 16/12/2014
   1.3. REF NO: 41367
2. ALL UTILITY SERVICES INDICATED ON THE DRAWINGS ORIGINATE FROM SUPPLIED DATA OR DIAL BEFORE YOU DIG SEARCHES, THEREFORE THEIR ACCURACY AND COMPLETENESS IS NOT GUARANTEED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE AND CONFIRM THE LOCATION AND LEVEL OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF ANY WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE SUPERINTENDENT. CLEARANCES SHALL BE OBTAINED FROM THE RELEVANT SERVICE AUTHORITY. NOTE SERVICE AUTHORITY REQUIREMENTS FOR LOCATING OF SERVICES PRIOR TO COMMENCEMENT OF WORKS.
3. NORTHROP TAKE NO RESPONSIBILITY FOR THE ACCURACY AND/OR USE OF THIS SURVEY AND ITS CONTENTS

NOT FOR CONSTRUCTION

DRAWN: A. PACIBEN | DESIGNED: P. SUTTON | JOB MANAGER: M. RICHARDS | VERIFIER: M. RICHARDS

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1	ISSUED FOR DEVELOPMENT APPLICATION	AP		RH	05.06.18
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SCALE 1:800@ A1 (0 10 20 30 40m)

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Email sydney@northrop.com.au ABN 81 094 433 100

PROJECT: MELROSE PARK NSW VICTORIA ROAD SITE

STAGE 3 - LOT AA - DA PACKAGE

DRAWING TITLE: CIVIL ENGINEERING PACKAGE

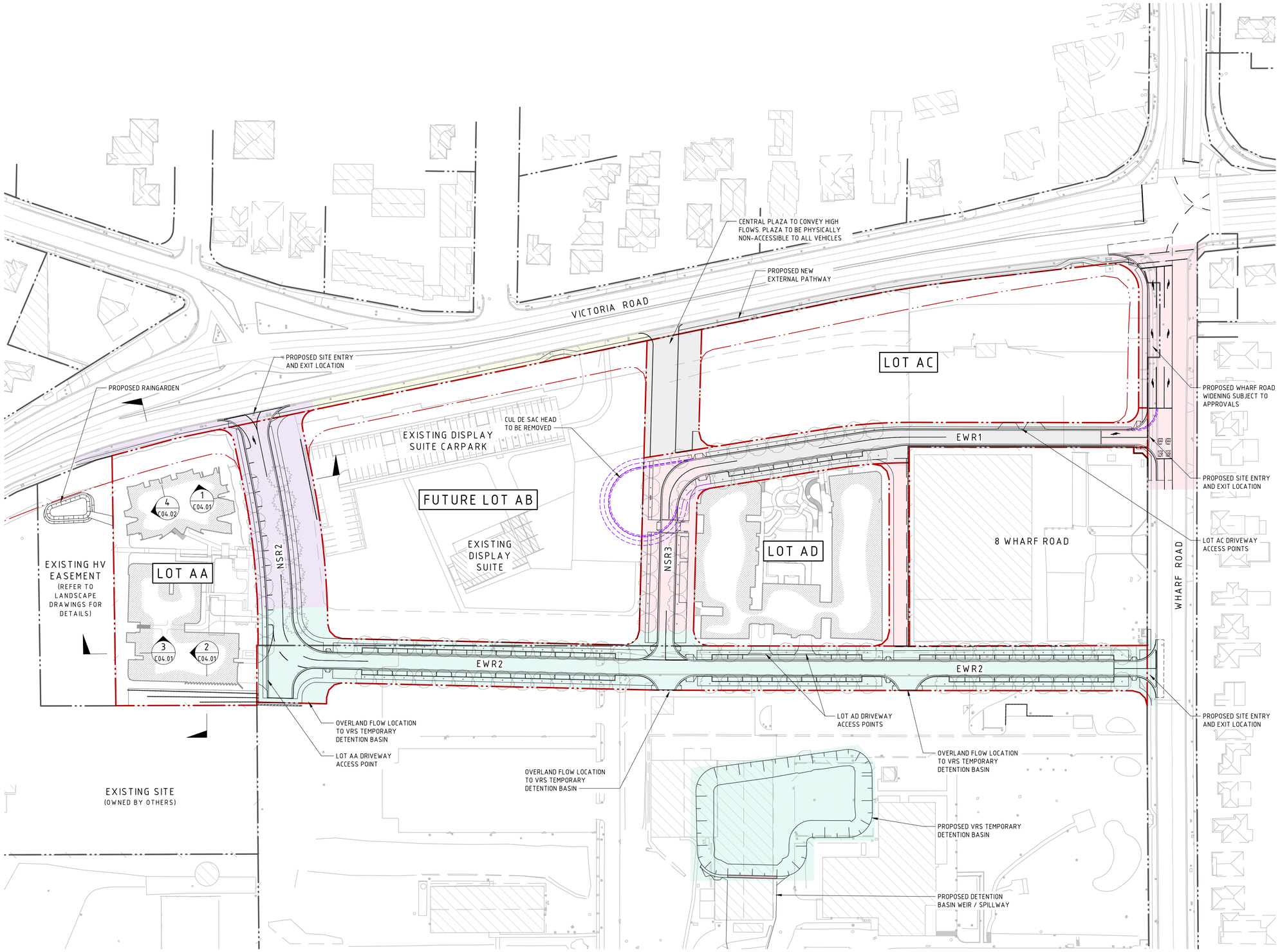
EXISTING SITE CONDITIONS

JOB NUMBER-STAGE-SUBSTAGE-PHASE: 150077-03-02-DA

DRAWING NUMBER: C01.21 | REVISION: 2

DRAWING SHEET SIZE = A1

Date : 18-7-18 5:08pm Plotted By: APaciben Found : K:\2015\150077 - 44 wharf road, melrose park\c-drawings\d-northrop\C-CIVIL\3-CURRENT CAD FILES\DA\STAGE 3 - LOT AA\150077-03-02-DA-C01.21_EXISTING SITE.dwg



LEGEND

- EXISTING BOUNDARY LINE
- PROPOSED BOUNDARY LINE
- PROPOSED VRS WORKS
- LOT AA PUBLIC DOMAIN (SUBJECT TO APPROVAL)
- LOT AB PUBLIC DOMAIN (SUBJECT TO APPROVAL)
- LOT AC PUBLIC DOMAIN (APPROVED WORK)
- LOT AD PUBLIC DOMAIN (SUBJECT TO APPROVAL)
- EWR2 PUBLIC DOMAIN (SUBJECT TO APPROVAL)

DRAWN: A. PACIBEN
DESIGNED: P. SUTTON
JOB MANAGER: M. RICHARDS
VERIFIER: M. RICHARDS

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3	RE-ISSUED FOR DEVELOPMENT APPLICATION	AP		PS	21.08.18
4	RE-ISSUED FOR DEVELOPMENT APPLICATION	AP		PS	22.08.18

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PROJECT: MELROSE PARK NSW VICTORIA ROAD SITE

STAGE 3 - LOT AA - DA PACKAGE

DRAWING TITLE: CIVIL ENGINEERING PACKAGE

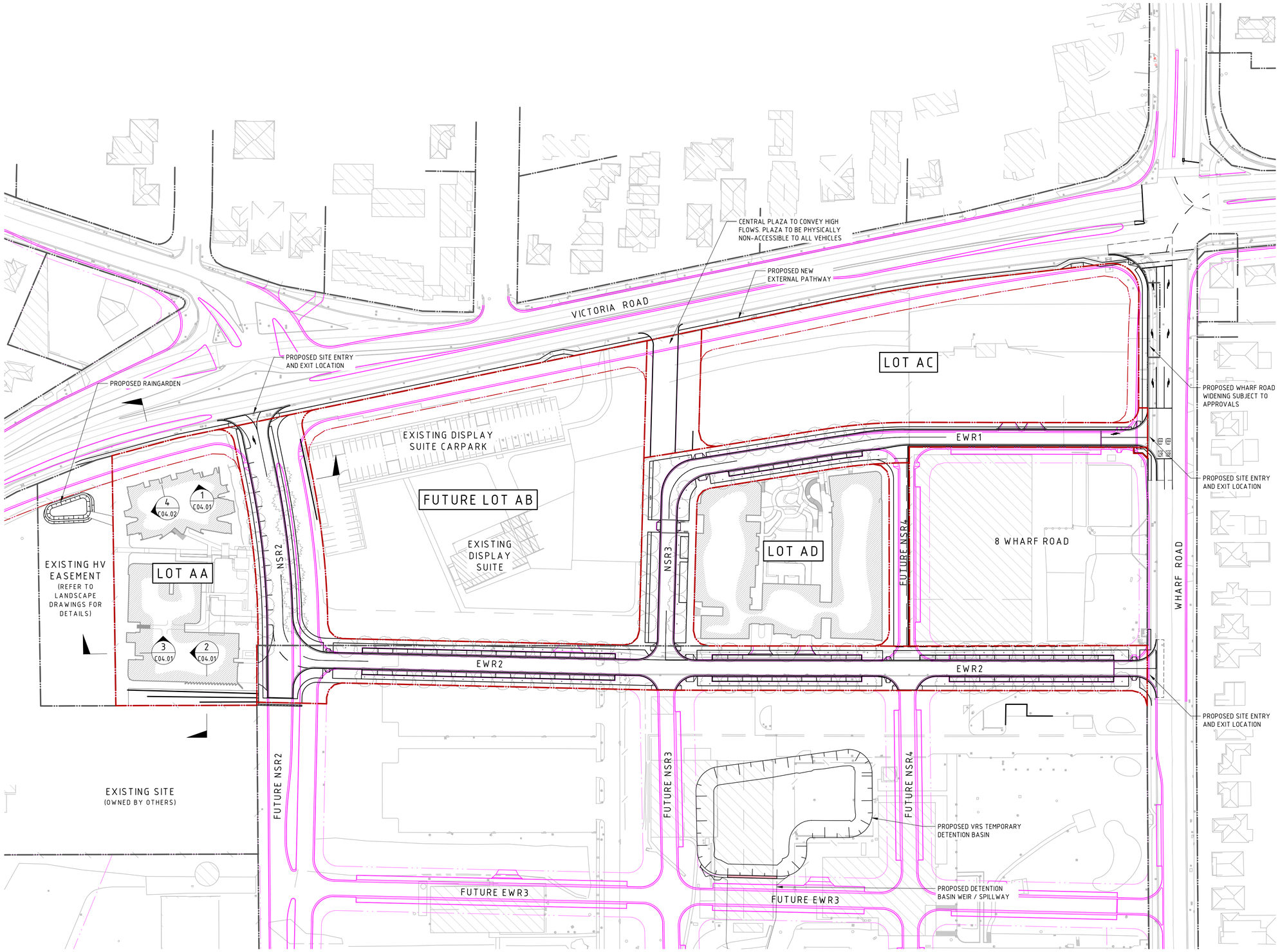
GENERAL ARRANGEMENT PLAN - PROPOSED LOT AA (VRS MASTERPLAN)

JOB NUMBER-STAGE-SUBSTAGE-PHASE: 150077-03-02-DA

DRAWING NUMBER: C01.31 — REVISION: 4

DRAWING SHEET SIZE = A1

Date : 22-8-18 4:43pm Plotted By : APaciben Found : K:\2015\150077 - 44 wharf road, melrose park\c-drawings\d-northrop\C-CIVIL\3-CURRENT CAD FILES\DA\STAGE 3 - LOT AA\150077-03-02-DA-C01.32_GENERAL ARRANGEMENT PLAN - PROPOSED EWR2 (VRS MASTERPLAN).dwg



LEGEND

- EXISTING BOUNDARY LINE
- PROPOSED BOUNDARY LINE
- PROPOSED VRS WORKS
- PROPOSED MELROSE PARK MASTERPLAN BOUNDARY
- PROPOSED MELROSE PARK MASTERPLAN DESIGN

VERIFIER: M. RICHARDS
JOB MANAGER: M. RICHARDS
DESIGNED: P. SUTTON
DRAWN: A. PACIBEN

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4	RE-ISSUED FOR DEVELOPMENT APPLICATION	AP		PS	22.08.18

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PROJECT: MELROSE PARK NSW VICTORIA ROAD SITE

STAGE 3 - LOT AA - DA PACKAGE

DRAWING TITLE: CIVIL ENGINEERING PACKAGE

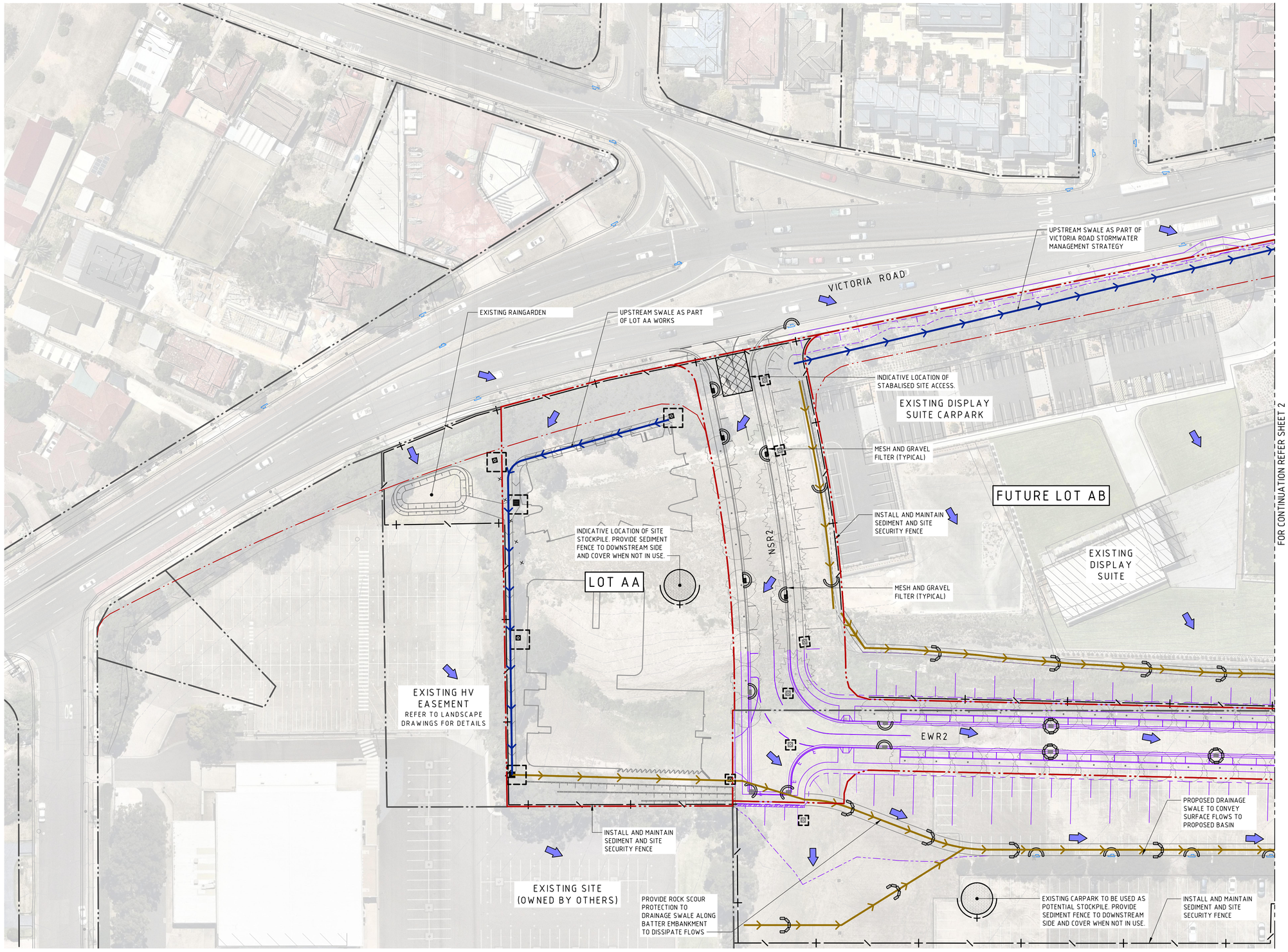
GENERAL ARRANGEMENT - PROPOSED LOT AA (MELROSE SITE MASTERPLAN)

JOB NUMBER-STAGE-SUBSTAGE-PHASE: 150077-03-02-DA

DRAWING NUMBER: C01.41 — REVISION: 4

DRAWING SHEET SIZE = A1

Date : 22-8-18 4:43pm Plotted By : APaciben Found : K:\2015\150077 - 44 wharf road, melrose park\c-drawings\d-northrop\C-CIVIL\3-CURRENT CAD FILES\DA\STAGE 3 - LOT AA\150077-03-02-DA-C01.41_GENERAL ARRANGEMENT - PROPOSED EWR2 (MELROSE SITE MASTERPLAN).dwg



LEGEND

- EXISTING BOUNDARY LINE
- PROPOSED BOUNDARY LINE
- VRS ADJACENT STAGE WORKS
- SECURITY/SEDIMENT FENCE
- WIRE MESH AND GRAVEL SEDIMENT FILTER
- GEOTEXTILE INLET FILTER
- DIVERSION DRAIN/BUND (CLEAN)
- DIVERSION DRAIN (DIRTY)
- OVERLAND FLOW
- STABILISED SITE ACCESS
- STOCKPILE
- EXISTING CONTOURS

SEDIMENT AND SOIL EROSION

1. REFER SPECIFICATIONS NOTES FOR SEDIMENT AND SOIL EROSION CONTROL GENERAL REQUIREMENTS.
2. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH COUNCIL / RELEVANT AUTHORITY SPECIFICATIONS AND DETAILS.
3. ALL SEDIMENT AND SOIL EROSION CONTROL MEASURES TO BE INSTALLED IN ACCORDANCE WITH THE 'BLUE BOOK'. CONTRACTOR TO ENSURE THESE MEASURES ARE IN PLACE AND MAINTAINED AT ALL TIMES DURING CONSTRUCTION WORKS.
4. CONTRACTOR TO PROVIDE 'WIRE MESH AND GRAVEL SEDIMENT FILTER' TO ALL PAVED / ROAD AREAS (BOTH PROPOSED AND EXISTING) IN ACCORDANCE WITH THE 'BLUE BOOK'.
5. CONTRACTOR TO PROVIDE 'GEOTEXTILE INLET FILTER TRAPS' TO ALL STORMWATER DRAINAGE INLETS (BOTH PROPOSED AND EXISTING) IN ACCORDANCE WITH THE 'BLUE BOOK'

DRAWN: A. PACIBEN
DESIGNED: P. SUTTON
JOB MANAGER: M. RICHARDS
VERIFIER: M. RICHARDS

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4	RE-ISSUED FOR DEVELOPMENT APPLICATION	AP		PS	22.08.18

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SCALE 1:500@ A1 — 0 5 10 15 20 25m

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PROJECT: MELROSE PARK NSW VICTORIA ROAD SITE

STAGE 3 - LOT AA - DA PACKAGE

DRAWING TITLE: CIVIL ENGINEERING PACKAGE

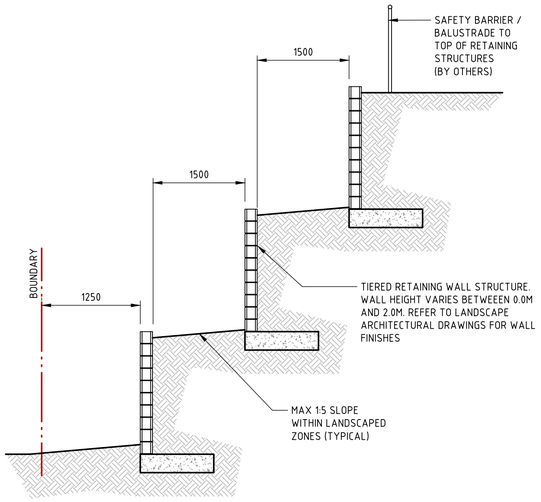
CONCEPT SEDIMENT AND SOIL EROSION CONTROL PLAN SHEET 1

JOB NUMBER-STAGE-SUBSTAGE-PHASE: 150077-03-02-DA

DRAWING NUMBER: C02.01 — REVISION: 4

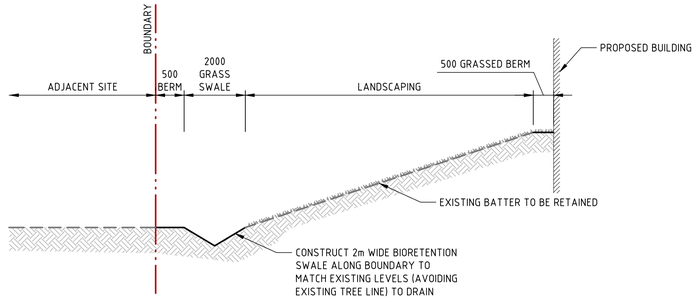
DRAWING SHEET SIZE = A1

Date : 22-8-18 4:44pm Plotted By : APaciben Found : K:\2015\150077 - 44 wharf road, melrose park\c-drawings\d-northrop\C-CIVIL\3-CURRENT CAD FILES\DA\STAGE 3 - LOT AA\150077-03-02-DA-C02.01_SED ERO.dwg



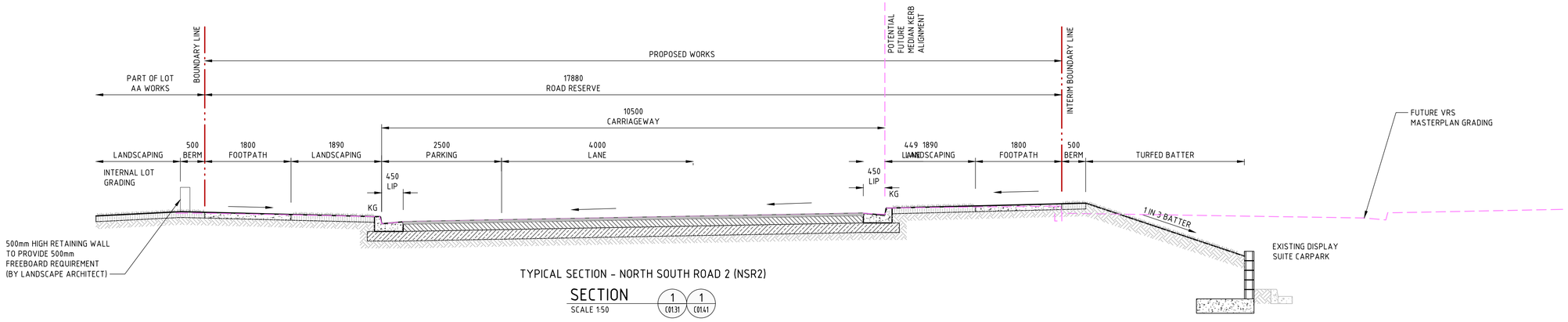
TYPICAL SECTION - TIERED RETAINING WALL

SECTION 2 C013 / 2 C014
SCALE 1:50



TYPICAL SECTION - PROPOSED WESTERN DRAINAGE SWALE

SECTION 3 C013 / 3 C014
SCALE 1:50



TYPICAL SECTION - NORTH SOUTH ROAD 2 (NSR2)

SECTION 1 C013 / 1 C014
SCALE 1:50

VERIFIER: M. RICHARDS
JOB MANAGER: M. RICHARDS
DESIGNED: P. SUTTON
DRAWN: A. PACIBEN

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SCALE 1:50@ A1 — 0.0 0.5 1.0 1.5 2.0 2.5m

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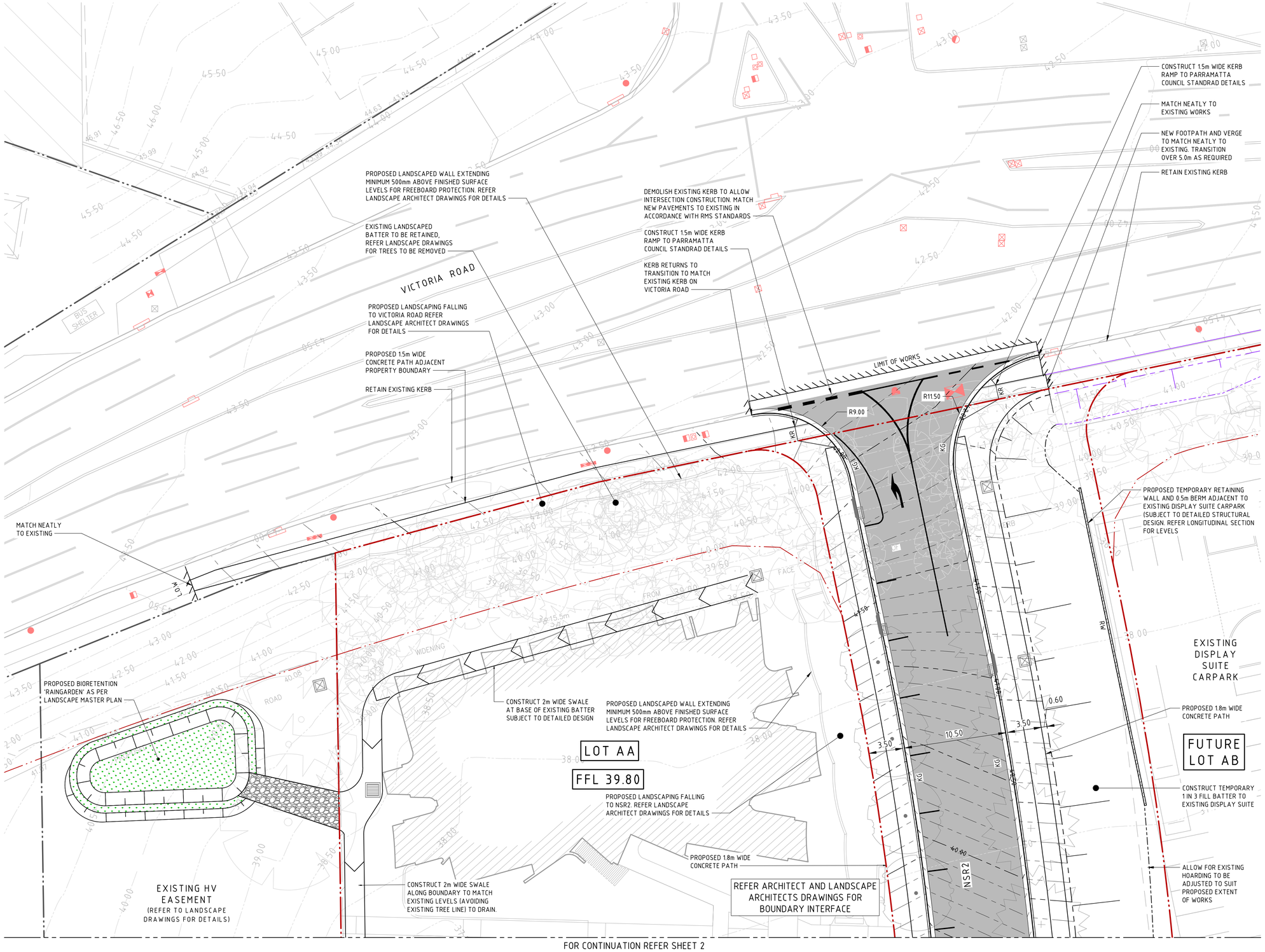
PROJECT
MELROSE PARK NSW
VICTORIA ROAD SITE
STAGE 3 - LOT AA - DA PACKAGE

DRAWING TITLE
CIVIL ENGINEERING PACKAGE
TYPICAL SECTIONS SHEET 1

JOB NUMBER-STAGE-SUBSTAGE-PHASE: 150077-03-02-DA
DRAWING NUMBER: C04.01
REVISION: 2
DRAWING SHEET SIZE = A1

Date : 18-7-18 5:11pm Plotted By : APaciben Found : K:\2015\150077 - 44 wharf road, melrose park\c-drawings\d-northrop\C-CIVIL\3-CURRENT CAD FILES\DA\STAGE 3 - LOT AA\150077-03-02-DA-C04.01_TYP SECTIONS.dwg



LEGEND

	EXISTING BOUNDARY LINE
	PROPOSED BOUNDARY LINE
	PROPOSED ROAD EASEMENT LINE
	PROPOSED VRS ROADS WORKS
	VRS ADJACENT STAGE WORKS
	PROPOSED KERB
KG	KERB AND GUTTER
VC	VEHICULAR CROSSING
KR	KERB RAMP
	BALUSTRADE
• RL XX.XX	PROPOSED SPOT HEIGHT
RW	RETAINING WALL - REFER TO 'RETAINING WALL ALIGNMENT PLAN' AND 'RETAINING WALL SECTIONS'
	BIORETENTION
XX.XX	100mm CONTOURS
LIMIT OF WORKS	LIMIT OF WORKS (L.O.W)
FFLXX.XX	PROPOSED FINISHED FLOOR LEVEL
	DRAINAGE SWALE

GENERAL NOTES:

1. REFER SPECIFICATIONS NOTES FOR SITEWORKS GENERAL REQUIREMENTS.
2. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH COUNCIL / RELEVANT AUTHORITY SPECIFICATIONS AND DETAILS.
3. CAD FILES TO BE SUPPLIED IN AUTOCAD FORMAT FOR SETOUT PURPOSES (UPON REQUEST).
4. REFER 'RETAINING WALL PLAN' FOR RETAINING WALL INFORMATION.
5. THIS DRAWING TO BE READ IN CONJUNCTION WITH 'ROAD ALIGNMENT CONTROL PLAN' AND 'ROAD LONGITUDINAL SECTIONS' AND 'ROAD CROSS SECTIONS' AND 'KERB RETURNS' AND 'BOUNDARY SETOUT PLAN AND SECTIONS'.
6. REFER TO LANDSCAPE ARCHITECTURAL DRAWINGS AND ARBORIST REPORT FOR RELEVANT TREE PROTECTION ZONES (TPZ)

DRAWN: A. PACIBEN
DESIGNED: P. SUTTON
JOB MANAGER: M. RICHARDS
VERIFIER: M. RICHARDS

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3	ISSUED FOR DEVELOPMENT APPLICATION	AP		PS	07.08.18
4	RE-ISSUED FOR DEVELOPMENT APPLICATION	AP		PS	21.08.18
5	RE-ISSUED FOR DEVELOPMENT APPLICATION	AP		PS	22.08.18

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SCALE 1:200@ A1 (0 2 4 6 8 10m)

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PROJECT: MELROSE PARK NSW VICTORIA ROAD SITE

STAGE 3 - LOT AA - DA PACKAGE

DRAWING TITLE: CIVIL ENGINEERING PACKAGE

SITEWORKS & GRADING PLAN - SHEET 1

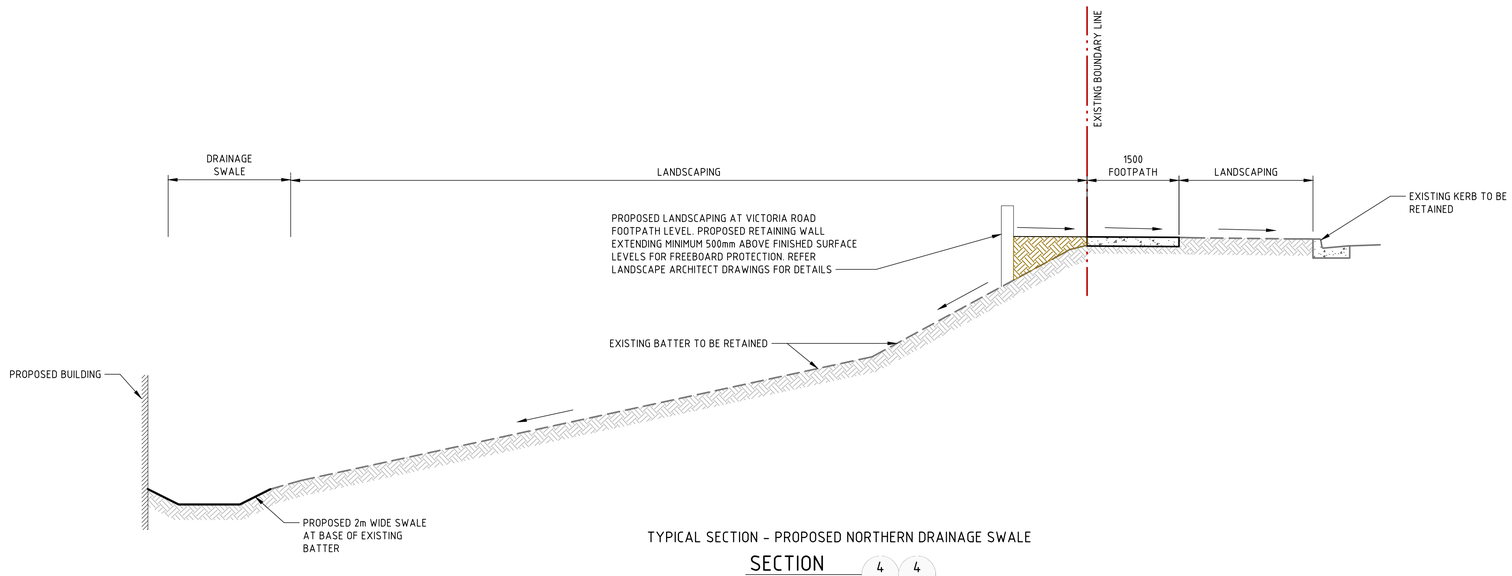
JOB NUMBER-STAGE-SUBSTAGE-PHASE: 150077-03-02-DA

DRAWING NUMBER: C04.11

REVISION: 5

DRAWING SHEET SIZE = A1

Date : 22-8-18 4:44pm Plotted By : APaciben Found : K:\2015\150077 - 44 wharf road, melrose park\c-drawings\d-northrop\C-CIVIL\3-CURRENT CAD FILES\DA\STAGE 3 - LOT AA\150077-03-02-DA-C04.11_SITEWORKS PLAN.dwg



TYPICAL SECTION - PROPOSED NORTHERN DRAINAGE SWALE

SECTION 4 C01.31 4 C01.41
SCALE 1:50

DRAWN: A. PACIBEN DESIGNED: P. SUTTON JOB MANAGER: M. RICHARDS VERIFIER: M. RICHARDS

NOT FOR CONSTRUCTION

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
1	ISSUED FOR DEVELOPMENT APPLICATION	AP		RH	05.06.18
2	ISSUED FOR DEVELOPMENT APPLICATION	AP		RH	18.07.18

CLIENT: PAYCE

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PROJECT MANAGER: PROJECTS

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SCALE 1:50@A1 0.0 0.5 1.0 1.5 2.0 2.5m

NORTHROP
Sydney
Level 11, 345 George Street, Sydney NSW 2000
Ph (02) 9241 4188 Fax (02) 9241 4324
Email sydney@northrop.com.au ABN 81 094 433 100

PROJECT
MELROSE PARK NSW
VICTORIA ROAD SITE
STAGE 3 - LOT AA - DA PACKAGE

DRAWING TITLE
CIVIL ENGINEERING PACKAGE
TYPICAL SECTIONS SHEET 2

JOB NUMBER-STAGE-SUBSTAGE-PHASE: 150077-03-02-DA
DRAWING NUMBER: C04.02
REVISION: 2
DRAWING SHEET SIZE = A1

Date : 19-7-18 10:38am Plotted By : AWang Found : K:\2015\150077 - 44 wharf road, melrose park\c-drawings\d-northrop\C-CIVIL\3-CURRENT CAD FILES\DA\STAGE 3 - LOT AA\150077-03-02-DA-C04.01_TYP SECTIONS.dwg

FOR CONTINUATION REFER SHEET 1

REFER ARCHITECT AND LANDSCAPE ARCHITECTS DRAWINGS FOR BOUNDARY INTERFACE

EXISTING DISPLAY SUITE CARPARK

CONSTRUCT 2m WIDE SWALE ALONG BOUNDARY TO MATCH EXISTING LEVELS (AVOIDING EXISTING TREE LINE) TO DRAIN.

PROPOSED 1.8m WIDE CONCRETE PATH

MATCH NEATLY TO EWR2 WORKS

CONSTRUCT TEMPORARY 1 IN 3 FILL BATTER TO EXISTING DISPLAY SUITE

PROPOSED 1.8m WIDE CONCRETE PATH

FUTURE LOT AB

ALLOW FOR EXISTING HOARDING TO BE ADJUSTED TO SUIT PROPOSED EXTENT OF WORKS

EXISTING HV EASEMENT (REFER TO LANDSCAPE DRAWINGS FOR DETAILS)

FFL 39.00

LOT AA

NSR2

LIMIT OF WORKS

PROPOSED DRAINAGE SWALE AS PART OF EWR2 WORKS

LOT AA HEAVY DUTY DRIVEWAY AS PART OF EWR2 WORKS

REFER ARCHITECT AND DRAWINGS FOR INTERNAL DRIVEWAY GRADING

EWR2

RETAIN EXISTING LEVELS

PROVIDE BALUSTRADE TO TOP TIER LEVEL ONLY. REFER LANDSCAPE ARCHITECT DRAWINGS FOR DETAILS

MAXIMUM 1 IN 5 SLOPE WITHIN LANDSCAPED ZONES. REFER TYPICAL SECTIONS FOR DETAILS

PROPOSED TEMPORARY TIERED RETAINING WALLS (3 OFF). WALL HEIGHT VARIES BETWEEN 0.0m - 2.0m. REFER LANDSCAPE ARCHITECT DRAWINGS FOR WALL FINISHES. SUBJECT TO DETAILED STRUCTURAL DESIGN. REFER LONGITUDINAL SECTIONS FOR LEVELS

PROPOSED RETAINING WALL PART OF EWR2 WORKS

'W' BEAM SAFETY BARRIER PART OF EWR2 WORKS

PROPOSED DRAINAGE SWALE AS PART OF EWR2 WORKS

EXISTING SITE (OWNED BY OTHERS)

LEGEND

	EXISTING BOUNDARY LINE
	PROPOSED BOUNDARY LINE
	PROPOSED ROAD EASEMENT LINE
	PROPOSED VRS ROADS WORKS
	VRS ADJACENT STAGE WORKS
	PROPOSED KERB
KG	KERB AND GUTTER
VC	VEHICULAR CROSSING
KR	KERB RAMP
	BALUSTRADE
• RL XX.XX	PROPOSED SPOT HEIGHT
RW	RETAINING WALL - REFER TO 'RETAINING WALL ALIGNMENT PLAN' AND 'RETAINING WALL SECTIONS'
	BIORETENTION
XX.XX	100mm CONTOURS
LIMIT OF WORKS	LIMIT OF WORKS (L.O.W)
FFLXX.XX	PROPOSED FINISHED FLOOR LEVEL
	DRAINAGE SWALE

GENERAL NOTES:

1. REFER SPECIFICATIONS NOTES FOR SITEWORKS GENERAL REQUIREMENTS.
2. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH COUNCIL / RELEVANT AUTHORITY SPECIFICATIONS AND DETAILS.
3. CAD FILES TO BE SUPPLIED IN AUTOCAD FORMAT FOR SETOUT PURPOSES (UPON REQUEST).
4. REFER 'RETAINING WALL PLAN' FOR RETAINING WALL INFORMATION.
5. THIS DRAWING TO BE READ IN CONJUNCTION WITH 'ROAD ALIGNMENT CONTROL PLAN' AND 'ROAD LONGITUDINAL SECTIONS' AND 'ROAD CROSS SECTIONS' AND 'KERB RETURNS' AND 'BOUNDARY SETOUT PLAN AND SECTIONS'.
6. REFER TO LANDSCAPE ARCHITECTURAL DRAWINGS AND ARBORIST REPORT FOR RELEVANT TREE PROTECTION ZONES (TPZ)

DRAWN: A. PACIBEN DESIGNED: P. SUTTON JOB MANAGER: M. RICHARDS VERIFIER: M. RICHARDS

NOT FOR CONSTRUCTION

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
1	ISSUED FOR DEVELOPMENT APPLICATION	AP		RH	05.06.18
2	ISSUED FOR DEVELOPMENT APPLICATION	AP		RH	18.07.18
3	ISSUED FOR DEVELOPMENT APPLICATION	AP		PS	07.08.18
4	RE-ISSUED FOR DEVELOPMENT APPLICATION	AP		PS	21.08.18
5	RE-ISSUED FOR DEVELOPMENT APPLICATION	AP		PS	22.08.18

CLIENT: PAYCE

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PROJECT MANAGER: m PROJECTS

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SCALE 1:200@ A1 (0 2 4 6 8 10m)

NORTHROP
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Ph (02) 9241 4188 Fax (02) 9241 4324
Email sydney@northrop.com.au ABN 81 094 433 100

PROJECT: MELROSE PARK NSW VICTORIA ROAD SITE

STAGE 3 - LOT AA - DA PACKAGE

DRAWING TITLE: CIVIL ENGINEERING PACKAGE

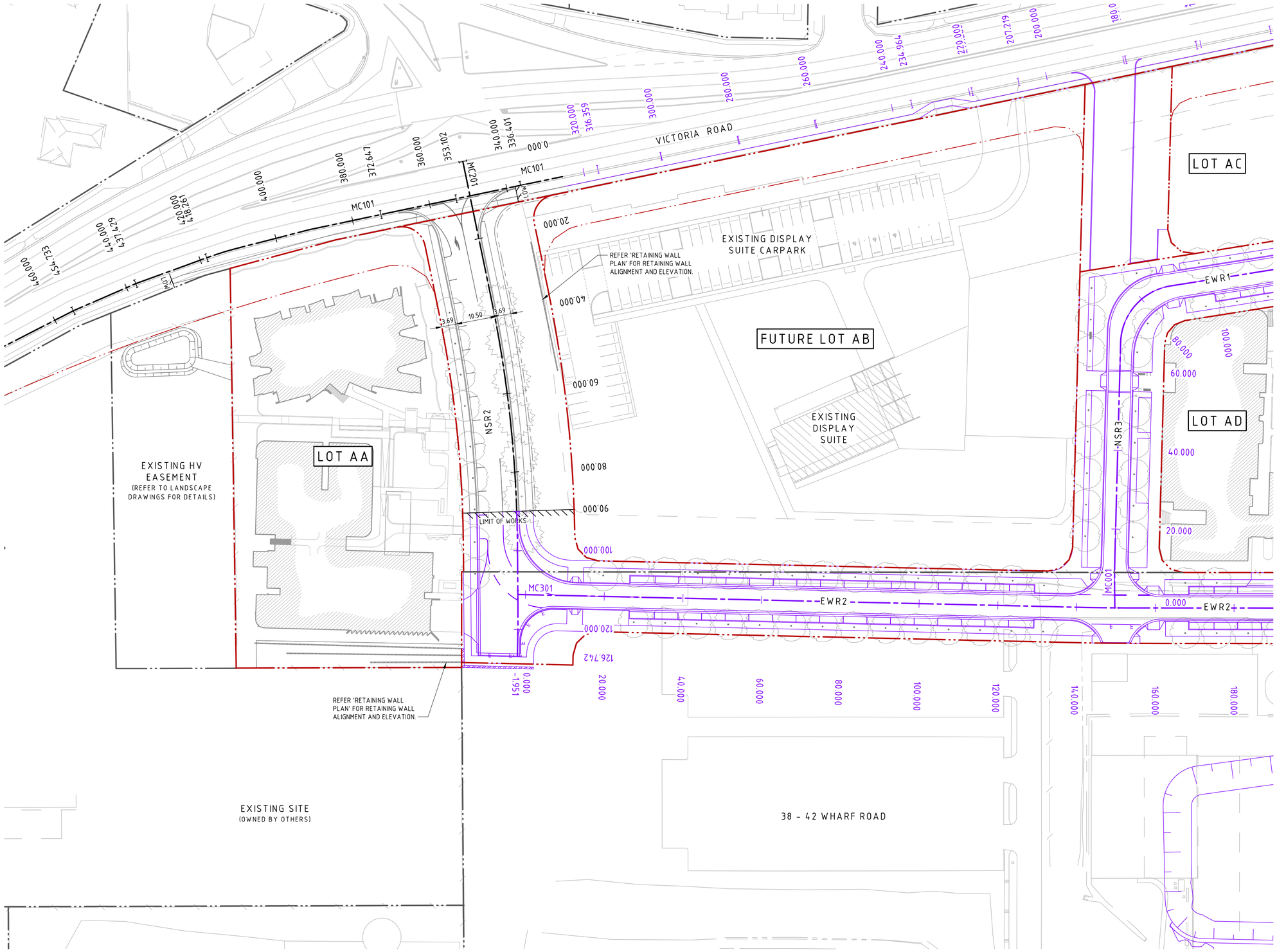
SITEWORKS & GRADING PLAN - SHEET 2

JOB NUMBER-STAGE-SUBSTAGE-PHASE: 150077-03-02-DA

DRAWING NUMBER: C04.12 REVISION: 5

DRAWING SHEET SIZE = A1

Date : 22-8-18 4:44pm Plotted By : APaciben Found : K:\2015\150077 - 44 wharf road, melrose park\c-drawings\d-northrop\C-CIVIL\3-CURRENT CAD FILES\DA\STAGE 3 - LOT AA\150077-03-02-DA-C04.11_SITEWORKS PLAN.dwg



LEGEND

	EXISTING BOUNDARY LINE
	PROPOSED BOUNDARY LINE
	PROPOSED EASEMENT LINE
	PROPOSED VRS WORKS
	VRS ADJACENT STAGE WORKS
	CONTROL LINE
— CH0.000	CHAINAGE
⊶ TC0.000	TANGENT POINT

GENERAL NOTES

1. REFER 'RETAINING WALL PLAN' FOR RETAINING WALL INFORMATION.
2. THIS DRAWING TO BE READ IN CONJUNCTION WITH 'ROAD ALIGNMENT CONTROL PLAN' AND 'ROAD LONGITUDINAL SECTIONS' AND 'ROAD CROSS SECTIONS' AND 'KERB RETURNS' AND 'BOUNDARY SETOUT PLAN AND SECTIONS'.

NOT FOR CONSTRUCTION

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
1	ISSUED FOR DEVELOPMENT APPLICATION	AP		RH	05.06.18
2	ISSUED FOR DEVELOPMENT APPLICATION	AP		RH	18.07.18
3	RE-ISSUED FOR DEVELOPMENT APPLICATION	AP		PS	21.08.18
4	RE-ISSUED FOR DEVELOPMENT APPLICATION	AP		PS	22.08.18

CLIENT: PAYCE

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SCALE 1:500@ A1 (0 5 10 15 20 25m)

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Email sydney@northrop.com.au ABN 81 094 433 100

PROJECT: MELROSE PARK NSW VICTORIA ROAD SITE

STAGE 3 - LOT AA - DA PACKAGE

DRAWING TITLE: CIVIL ENGINEERING PACKAGE

ROAD ALIGNMENT CONTROL PLAN - SHEET 1

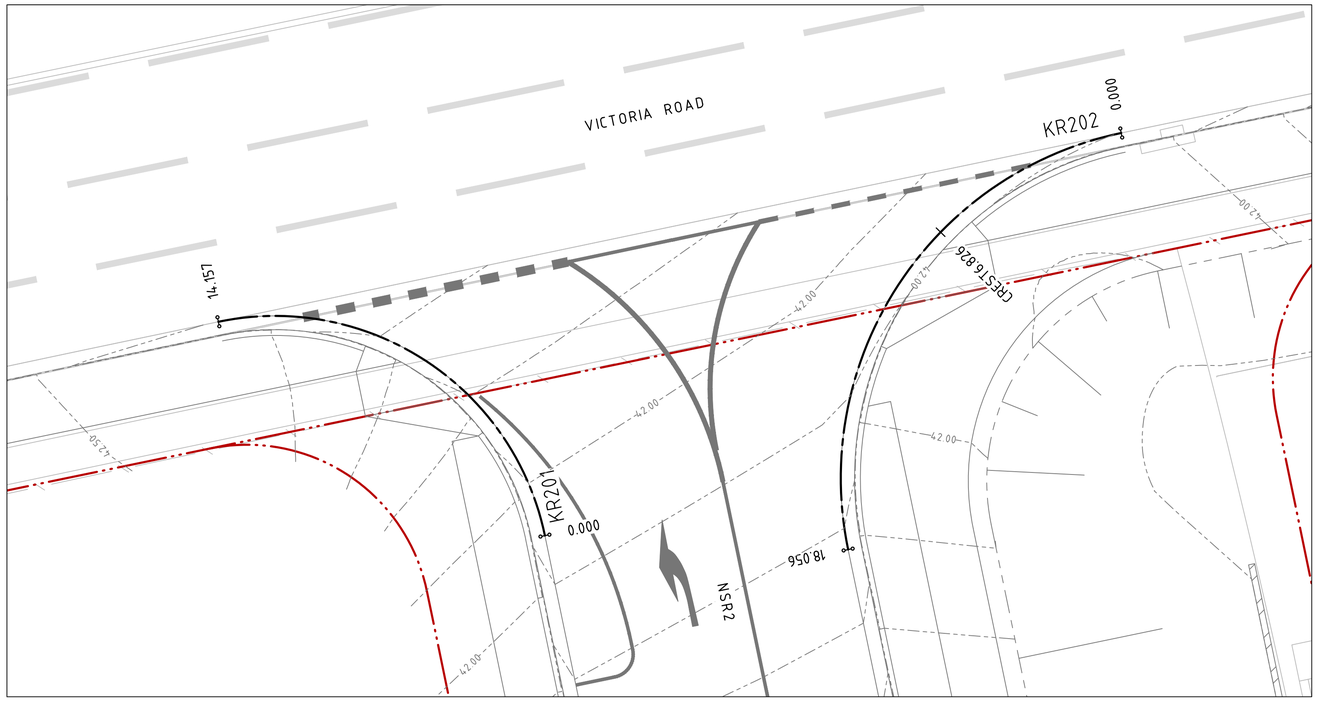
JOB NUMBER-STAGE-SUBSTAGE-PHASE: 150077-03-02-DA

DRAWING NUMBER: C04.21 REVISION: 4

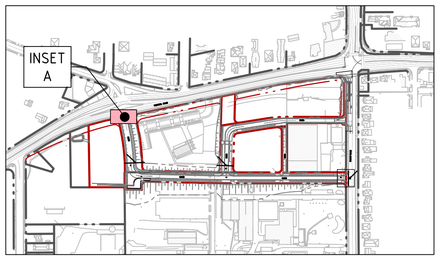
DRAWING SHEET SIZE = A1

DRAWN: A. PACIBEN DESIGNED: P. SUTTON JOB MANAGER: M. RICHARDS VERIFIER: M. RICHARDS

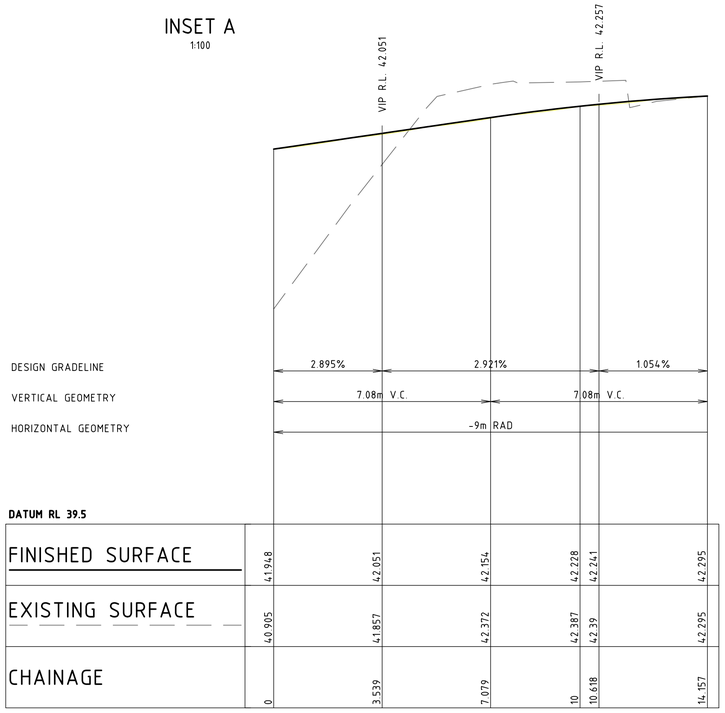
Date : 22-8-18 4:44pm Plotted By : APaciben Found : K:\2015\150077 - 44 wharf road, melrose park\c-drawings\d-northrop\C-CIVIL\3-CURRENT CAD FILES\DA\STAGE 3 - LOT AA\150077-03-02-DA-C04.21_ROAD ALIGNMENT PLAN.dwg



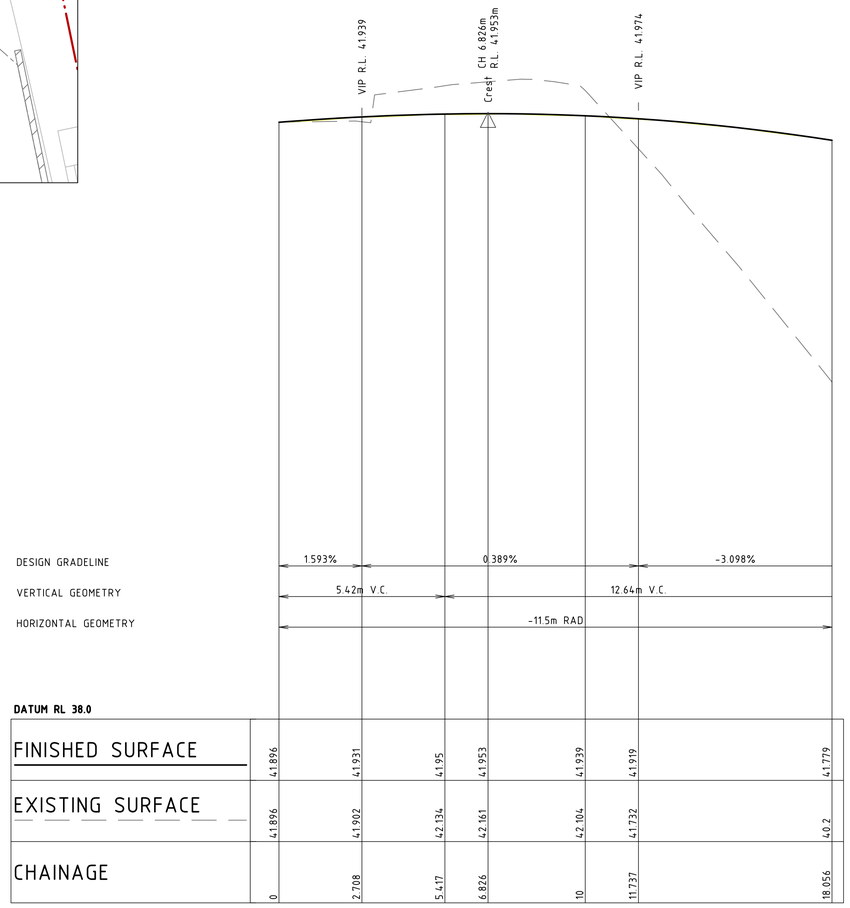
INSET A
1:100



KEY PLAN
NTS



LONGITUDINAL SECTION ALONG KR201
HORIZONTAL SCALE 1:100@A1
VERTICAL SCALE 1:20@A1



LONGITUDINAL SECTION ALONG KR202
HORIZONTAL SCALE 1:100@A1
VERTICAL SCALE 1:20@A1

NOT FOR CONSTRUCTION

DRAWN: A. PACIBEN
DESIGNED: P. SUTTON
JOB MANAGER: M. RICHARDS
VERIFIER: M. RICHARDS

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
1	ISSUED FOR DEVELOPMENT APPLICATION	AP		RH	05.06.18
2	ISSUED FOR DEVELOPMENT APPLICATION	AP		RH	18.07.18

CLIENT: PAYCE

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PROJECT MANAGER: m PROJECTS

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SCALE 1:100 @ A1 — 0 1 2 3 4 5m
SCALE 1:20@ A1 — 0.0 0.2 0.4 0.6 0.8 1.0m

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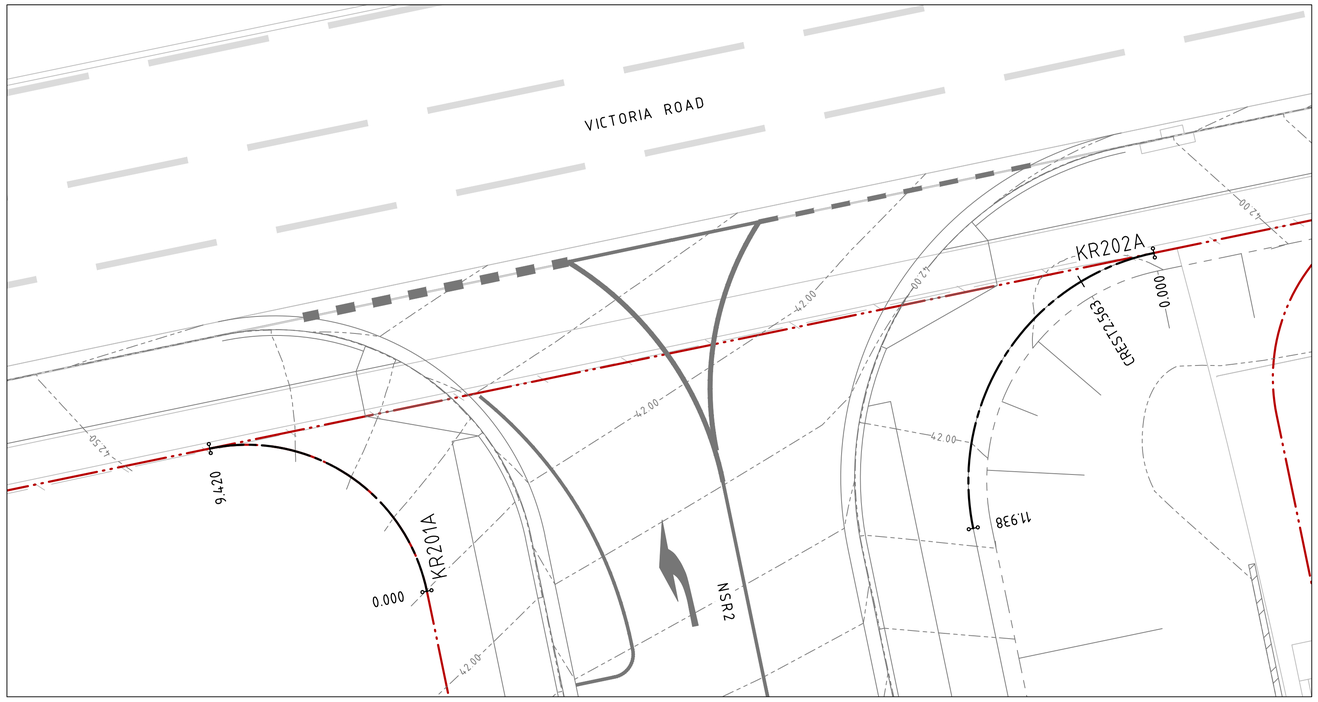
PROJECT
MELROSE PARK NSW
VICTORIA ROAD SITE
STAGE 3 - LOT AA - DA PACKAGE

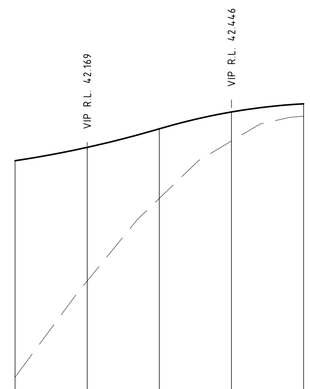
DRAWING TITLE
CIVIL ENGINEERING PACKAGE
KERB RETURNS - SHEET 1

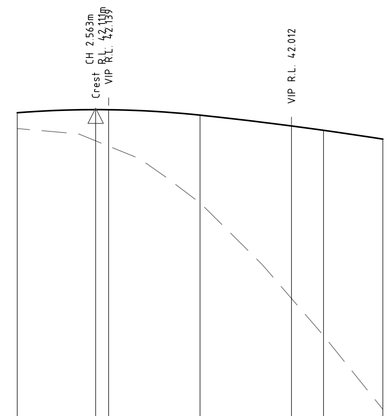
JOB NUMBER-STAGE-SUBSTAGE-PHASE: 150077-03-02-DA
DRAWING NUMBER: C04.81
REVISION: 2
DRAWING SHEET SIZE = A1

Date : 18-7-18 5:12pm Plotted By : APaciben Found : K:\2015\150077 - 44 wharf road, melrose park\c-drawings\d-northrop\C-CIVIL\3-CURRENT CAD FILES\DA\STAGE 3 - LOT AA\150077-03-02-DA-C04.81_ROAD KERB RETURNS.dwg



INSET A
1:100





DESIGN GRADELINE	2.979%	5.870%	1.051%		
VERTICAL GEOMETRY	4.71m V.C.	4.71m V.C.			
HORIZONTAL GEOMETRY	-6m RAD				

DATUM RL 39.0

FINISHED SURFACE	42.099	42.186	42.307	42.417	42.47
EXISTING SURFACE	40.686	41.319	41.868	42.248	42.39
CHAINAGE	0	2.355	4.71	7.065	9.42

LONGITUDINAL SECTION ALONG KR201A

HORIZONTAL SCALE 1:100@A1
VERTICAL SCALE 1:20@A1

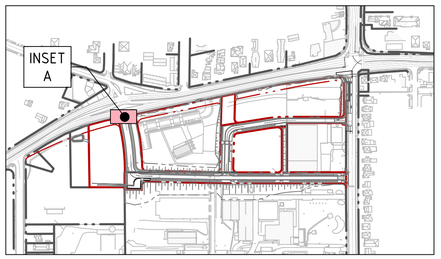
DESIGN GRADELINE	1.591%	-2.115%	-3.130%			
VERTICAL GEOMETRY	5.97m V.C.	5.97m V.C.				
HORIZONTAL GEOMETRY	-7.6m RAD					

DATUM RL 38.0

FINISHED SURFACE	42.091	42.111	42.111	42.075	42.005	41.976	41.919
EXISTING SURFACE	41.988	41.92	41.889	41.503	40.885	40.637	40.155
CHAINAGE	0	2.563	2.984	5.969	8.953	10	11.938

LONGITUDINAL SECTION ALONG KR202A

HORIZONTAL SCALE 1:100@A1
VERTICAL SCALE 1:20@A1



KEY PLAN
NTS

NOT FOR CONSTRUCTION

DRAWN: A. PACIBEN
DESIGNED: P. SUTTON
JOB MANAGER: M. RICHARDS
VERIFIER: M. RICHARDS

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
1	ISSUED FOR DEVELOPMENT APPLICATION	AP		RH	05.06.18
2	ISSUED FOR DEVELOPMENT APPLICATION	AP		RH	18.07.18

CLIENT
PAYCE

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PROJECT MANAGER
PROJECTS

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SCALE 1:100 @ A1 — 0 1 2 3 4 5m
SCALE 1:20@ A1 — 0.0 0.2 0.4 0.6 0.8 1.0m

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PROJECT
MELROSE PARK NSW
VICTORIA ROAD SITE

STAGE 3 - LOT AA - DA PACKAGE

DRAWING TITLE
CIVIL ENGINEERING PACKAGE

KERB RETURNS - SHEET 2

JOB NUMBER-STAGE-SUBSTAGE-PHASE
150077-03-02-DA

DRAWING NUMBER
C04.82

REVISION
2

DRAWING SHEET SIZE = A1

Date : 18-7-18 5:12pm Plotted By : APaciben Found : K:\2015\150077 - 44 wharf road, melrose park\c-drawings\d-northrop\C-CIVIL\3-CURRENT CAD FILES\DA\STAGE 3 - LOT AA\150077-03-02-DA-C04.81_ROAD KERB RETURNS.dwg

LEGEND

	EXISTING BOUNDARY LINE
	PROPOSED BOUNDARY LINE
	PROPOSED EASEMENT LINE
	PROPOSED VRS ROADS WORKS
	VRS ADJACENT STAGE WORKS
	CONTROL LINE
CH0.000	CHAINAGE
TC0.000	TANGENT POINT

DRAWN: A. PACIBEN
DESIGNED: P. SUTTON
JOB MANAGER: M. RICHARDS
VERIFIER: M. RICHARDS

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3	RE-ISSUED FOR DEVELOPMENT APPLICATION	AP		PS	21.08.18
4	RE-ISSUED FOR DEVELOPMENT APPLICATION	AP		PS	22.08.18

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SCALE 1:100 @ A1 (0 1 2 3 4 5m)

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PROJECT
MELROSE PARK NSW
VICTORIA ROAD SITE

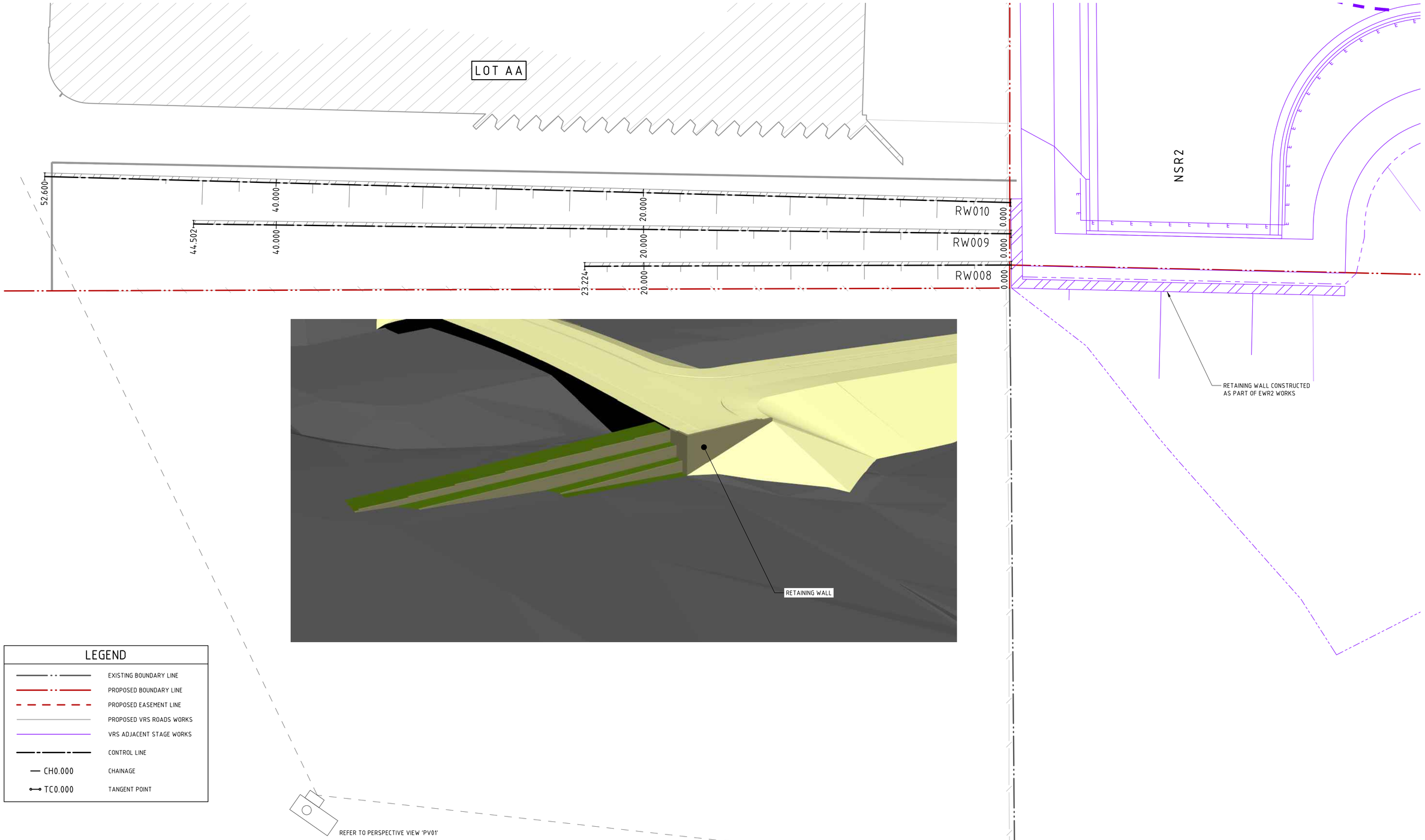
STAGE 3 - LOT AA - DA PACKAGE

DRAWING TITLE
CIVIL ENGINEERING PACKAGE

RETAINING WALL PLAN - SHEET 1

JOB NUMBER-STAGE-SUBSTAGE-PHASE: 150077-03-02-DA
DRAWING NUMBER: C06.01
REVISION: 4
DRAWING SHEET SIZE = A1

Date : 22-8-18 4:44pm Plotted By : APaciben Found : K:\2015\150077 - 44 wharf road, melrose park\c-drawings\d-northrop\C-CIVIL\3-CURRENT CAD FILES\DA\STAGE 3 - LOT AA\150077-03-02-DA-C06.01_RETAINING WALL ALIGNMENT.dwg



LEGEND

	EXISTING BOUNDARY LINE
	PROPOSED BOUNDARY LINE
	PROPOSED EASEMENT LINE
	PROPOSED VRS ROADS WORKS
	VRS ADJACENT STAGE WORKS
	CONTROL LINE
— CH0.000	CHAINAGE
TC0.000	TANGENT POINT

DRAWN: A. PACIBEN DESIGNED: P. SUTTON JOB MANAGER: M. RICHARDS VERIFIER: M. RICHARDS

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3	RE-ISSUED FOR DEVELOPMENT APPLICATION	AP		PS	21.08.18
4	RE-ISSUED FOR DEVELOPMENT APPLICATION	AP		PS	22.08.18

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PROJECT MANAGER: m PROJECTS

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SCALE 1:100 @ A1 (0 1 2 3 4 5m)

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Email sydney@northrop.com.au ABN 81 094 433 100

PROJECT: MELROSE PARK NSW VICTORIA ROAD SITE

STAGE 3 - LOT AA - DA PACKAGE

DRAWING TITLE: CIVIL ENGINEERING PACKAGE

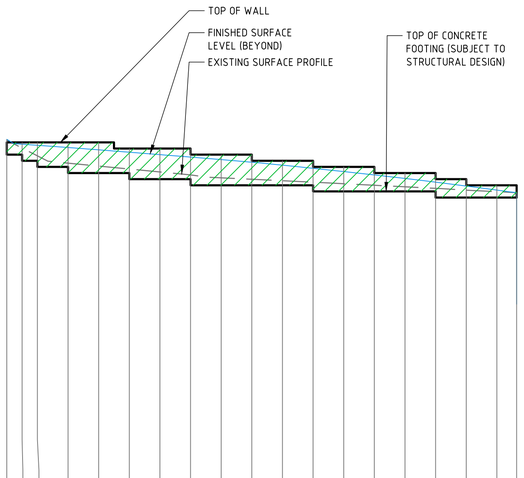
RETAINING WALL PLAN - SHEET 2

JOB NUMBER-STAGE-SUBSTAGE-PHASE: 150077-03-02-DA

DRAWING NUMBER: C06.02 REVISION: 4

DRAWING SHEET SIZE = A1

Date : 22-8-18 4:44pm Plotted By : APaciben Found : K:\2015\150077 - 44 wharf road, melrose park\c-drawings\d-northrop\C-CIVIL\3-CURRENT CAD FILES\DA\STAGE 3 - LOT AA\150077-03-02-DA-C06.01_RETAINING WALL ALIGNMENT.dwg

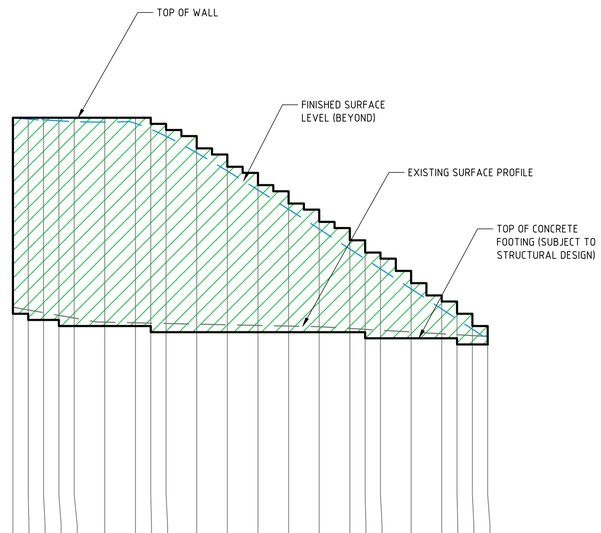


DATUM RL28

EXISTING SURFACE	39.271	39.016	38.761	38.523	38.427	38.331	38.234	38.138	38.043	37.996	37.949	37.902	37.851	37.801	37.751	37.7	37.64	37.592	37.561					
HEIGHT (FSL-FSL)	0.40	0.40	0.60	0.80	1.00	0.80	1.00	1.00	1.00	1.00	0.80	0.80	0.80	0.80	0.60	0.60	0.60	0.40						
RETAINING WALL TOP FSL	39.20	39.20	39.20	39.20	39.20	39.00	39.00	39.00	38.80	38.80	38.60	38.60	38.40	38.40	38.20	38.20	38.00	37.80						
RETAINING WALL BOTTOM FSL	38.80	38.80	38.60	38.40	38.20	38.20	38.00	38.00	37.80	37.80	37.80	37.80	37.60	37.60	37.60	37.60	37.40	37.40	37.40					
CHAINAGE	0.00	1.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	24.00	26.00	28.00	30.00	32.00	33.29					

SCALE 1:200 HORIZ 1:100 VERT

ELEVATION OF RW006 TOF RETAINING WALL



DATUM RL23

EXISTING SURFACE	30.615	30.527	30.438	30.35	30.261	30.127	30.106	30.096	30.085	30.064	30.042	30.021	30	29.978	29.922	29.893	29.865	29.806	29.747	29.718	29.689	29.66		
HEIGHT (FSL-FSL)	6.40	6.40	6.60	6.60	6.80	6.80	6.80	6.80	6.80	6.40	5.80	5.20	4.60	4.00	3.40	3.00	2.80	2.20	1.40	1.20	1.00			
RETAINING WALL TOP FSL	36.80	36.80	36.80	36.80	36.80	36.80	36.80	36.80	36.60	36.20	35.60	35.00	34.40	33.80	33.20	32.80	32.40	31.80	31.00	30.80	30.40			
RETAINING WALL BOTTOM FSL	30.40	30.40	30.20	30.20	30.00	30.00	30.00	30.00	29.80	29.80	29.80	29.80	29.80	29.80	29.80	29.80	29.60	29.60	29.60	29.60	29.40	29.40		
CHAINAGE	0.00	1.00	2.00	3.00	4.00	6.00	8.00	9.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	23.00	24.00	26.00	28.00	29.00	30.00	31.00		

SCALE 1:200 HORIZ 1:100 VERT

ELEVATION OF RW007 TOF RETAINING WALL

DRAWN: A. PACIBEN DESIGNED: P. SUTTON JOB MANAGER: M. RICHARDS VERIFIER: M. RICHARDS

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REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
1	ISSUED FOR DEVELOPMENT APPLICATION	AP		RH	05.06.18
2	ISSUED FOR DEVELOPMENT APPLICATION	AP		RH	18.07.18

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SCALE 1:200@ A1 0 2 4 6 8 10m
SCALE 1:100 @ A1 0 1 2 3 4 5m

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Email sydney@northrop.com.au ABN 81 094 433 100

PROJECT
MELROSE PARK NSW
VICTORIA ROAD SITE

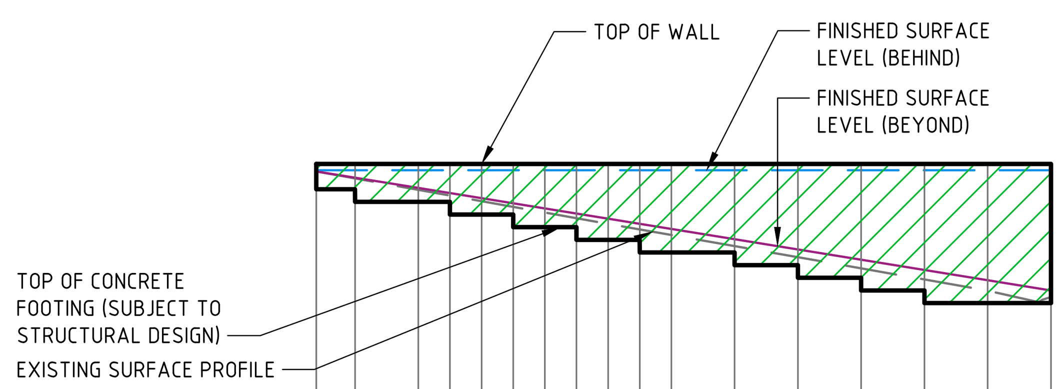
STAGE 3 - LOT AA - DA PACKAGE

DRAWING TITLE
CIVIL ENGINEERING PACKAGE

RETAINING WALL ELEVATIONS - SHEET 1

JOB NUMBER-STAGE-SUBSTAGE-PHASE: 150077-03-02-DA
DRAWING NUMBER: C06.11
REVISION: 2
DRAWING SHEET SIZE = A1

Found : K:\2015\150077 - 44 wharf road, melrose park\c-drawings\d-northrop\C-CIVIL\3-CURRENT CAD FILES\DA\STAGE 3 - LOT AA\150077-03-02-DA-C06.11_RETAINING WALL SECTIONS.dwg
Plotted By : APaciben
Date : 18-7-18 5:12pm

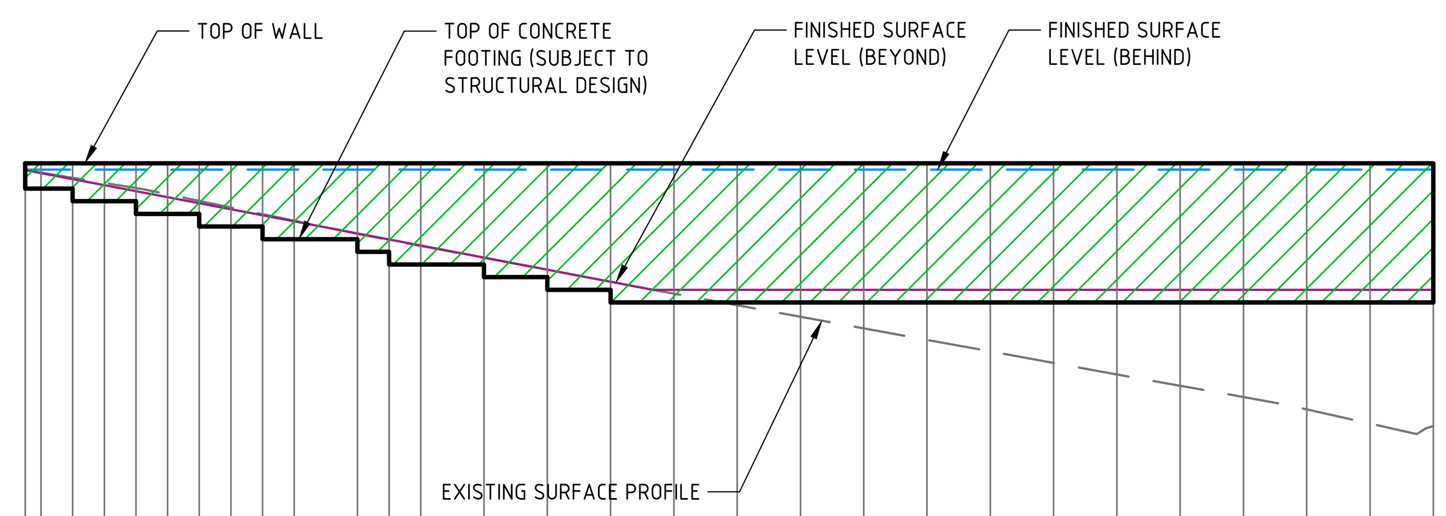


DATUM RL24

EXISTING SURFACE	32.282	32.171	31.991	31.901	31.811	31.721	31.631	31.541	31.453	31.365	31.277	31.101	30.925	30.749	30.574	30.395	30.296
HEIGHT (FSL-FSL)		0.60	0.60	0.80	0.80	1.00	1.00	1.20	1.20	1.40	1.40	1.60	1.80	2.00	2.20	2.20	2.20
RETAINING WALL TOP FSL		32.40	32.40	32.40	32.40	32.40	32.40	32.40	32.40	32.40	32.40	32.40	32.40	32.40	32.40	32.40	32.40
RETAINING WALL BOTTOM FSL	32.00	31.80	31.80	31.60	31.60	31.40	31.40	31.20	31.20	31.00	31.00	30.80	30.60	30.40	30.20	30.20	30.20
CHAINAGE	23.22	22.00	20.00	19.00	18.00	17.00	16.00	15.00	14.00	13.00	12.00	10.00	8.00	6.00	4.00	2.00	0.00

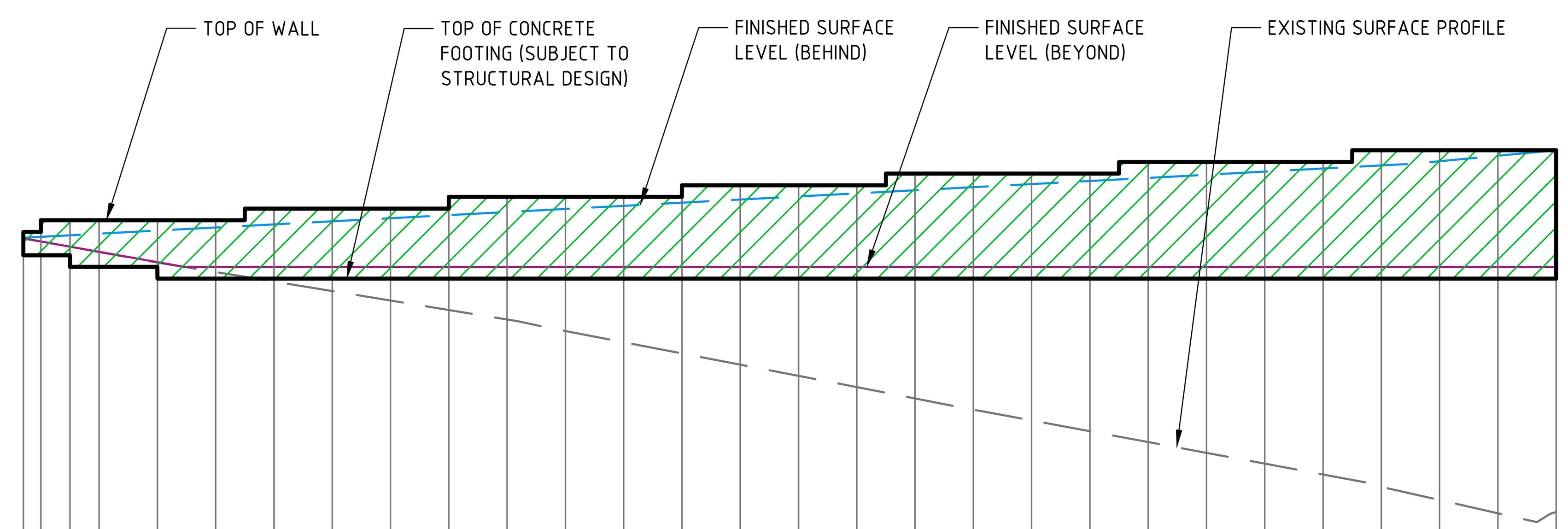
SCALE 1:200 HORIZ 1:100 VERT

ELEVATION OF RW008 TOF RETAINING WALL



EXISTING SURFACE	34.492	34.451	34.37	34.29	34.209	34.11	34.006	33.902	33.797	33.693	33.484	33.389	33.294	33.105	32.916	32.727	32.539	32.356	32.173	31.99	31.808	31.626	31.444	31.262	31.082	30.904	30.71	30.485	30.446
HEIGHT (FSL-FSL)		0.40	0.60	0.60	0.80	0.80	1.00	1.00	1.20	1.20	1.40	1.60	1.60	1.80	2.00	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20
RETAINING WALL TOP FSL		34.60	34.60	34.60	34.60	34.60	34.60	34.60	34.60	34.60	34.60	34.60	34.60	34.60	34.60	34.60	34.60	34.60	34.60	34.60	34.60	34.60	34.60	34.60	34.60	34.60	34.60	34.60	34.60
RETAINING WALL BOTTOM FSL	34.20	34.20	34.00	34.00	33.80	33.80	33.60	33.60	33.40	33.40	33.20	33.00	33.00	32.80	32.60	32.40	32.40	32.40	32.40	32.40	32.40	32.40	32.40	32.40	32.40	32.40	32.40	32.40	32.40
CHAINAGE	44.50	44.00	43.00	42.00	41.00	40.00	39.00	38.00	37.00	36.00	34.00	33.00	32.00	30.00	28.00	26.00	24.00	22.00	20.00	18.00	16.00	14.00	12.00	10.00	8.00	6.00	4.00	2.00	0.00

ELEVATION OF RW009 TOF RETAINING WALL



EXISTING SURFACE	35.29	35.236	35.145	35.055	34.875	34.712	34.549	34.386	34.224	34.061	33.898	33.7	33.508	33.316	33.124	32.932	32.739	32.543	32.35	32.167	31.982	31.796	31.611	31.425	31.24	31.028	30.801	30.574	30.596
HEIGHT (FSL-FSL)		0.60	0.80	0.80	1.00	1.00	1.20	1.20	1.20	1.40	1.40	1.40	1.40	1.60	1.60	1.60	1.60	1.80	1.80	1.80	1.80	2.00	2.00	2.00	2.00	2.20	2.20	2.20	2.20
RETAINING WALL TOP FSL		35.60	35.60	35.60	35.60	35.60	35.80	35.80	35.80	36.00	36.00	36.00	36.00	36.20	36.20	36.20	36.20	36.40	36.40	36.40	36.40	36.60	36.60	36.60	36.60	36.80	36.80	36.80	36.80
RETAINING WALL BOTTOM FSL	35.00	35.00	34.80	34.80	34.60	34.60	34.60	34.60	34.60	34.60	34.60	34.60	34.60	34.60	34.60	34.60	34.60	34.60	34.60	34.60	34.60	34.60	34.60	34.60	34.60	34.60	34.60	34.60	34.60
CHAINAGE	52.60	52.00	51.00	50.00	48.00	46.00	44.00	42.00	40.00	38.00	36.00	34.00	32.00	30.00	28.00	26.00	24.00	22.00	20.00	18.00	16.00	14.00	12.00	10.00	8.00	6.00	4.00	2.00	0.00

ELEVATION OF RW010 TOF RETAINING WALL

VERIFIER: M. RICHARDS
JOB MANAGER: M. RICHARDS
DESIGNED: P. SUTTON
DRAWN: A. PACIBEN

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1	ISSUED FOR DEVELOPMENT APPLICATION	AP		RH	05.06.18
2	ISSUED FOR DEVELOPMENT APPLICATION	AP		RH	18.07.18

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SCALE 1:200@ A1 — 0 2 4 6 8 10m
SCALE 1:100 @ A1 — 0 1 2 3 4 5m

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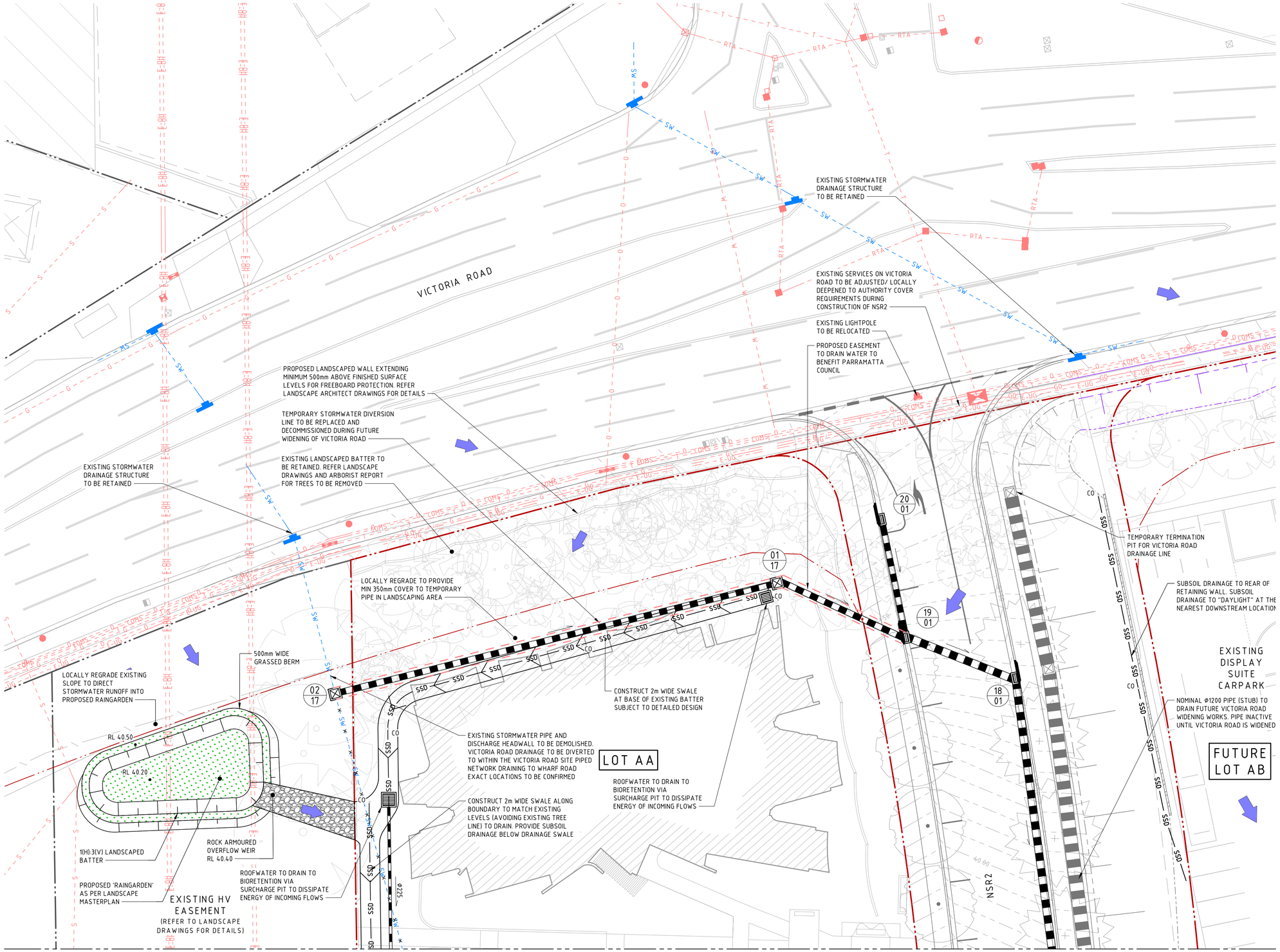
Ph (02) 9241 4188 Fax (02) 9241 4324
Email sydney@northrop.com.au ABN 81 094 433 100

PROJECT
MELROSE PARK NSW
VICTORIA ROAD SITE
STAGE 3 - LOT AA - DA PACKAGE

DRAWING TITLE
CIVIL ENGINEERING PACKAGE
RETAINING WALL ELEVATIONS - SHEET 2

JOB NUMBER-STAGE-SUBSTAGE-PHASE: 150077-03-02-DA
DRAWING NUMBER: C06.12
REVISION: 2
DRAWING SHEET SIZE = A1

Date : 18-7-18 5:12pm Plotted By : APaciben Found : K:\2015\150077 - 44 wharf road, melrose park\c-drawings\d-northrop\C-CIVIL\3-CURRENT CAD FILES\DA\STAGE 3 - LOT AA\150077-03-02-DA-C06.11_RETAINING WALL SECTIONS.dwg



FOR CONTINUATION REFER SHEET 2

EXISTING BOUNDARY LINE
PROPOSED BOUNDARY LINE
PROPOSED ROAD EASEMENT LINE
VRS ADJACENT STAGE WORKS
EXISTING STORMWATER PIPE
CONSTRUCT STORMWATER PIPE
GTD — GRATED TRENCH DRAIN
GRATED INLET PIT (NEW / EXTG)
KERB INLET PIT (NEW / EXTG)
JUNCTION PIT (NEW / EXTG)
1 / A — STORMWATER PIT TAG STRUCTURE No / LINE ID
BIO FILTRATION MEDIA
ROCK SCOUR PROTECTION
CO — SUBSOIL DRAINAGE CLEAROUT
SSD — SUBSOIL DRAINAGE LINE
DRAINAGE SWALE
OVERLAND FLOW
XX.XX — CONTOURS
LIMIT OF WORKS — LIMIT OF WORKS

GENERAL NOTES:

1. REFER SPECIFICATIONS NOTES FOR STORMWATER GENERAL REQUIREMENTS.
2. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH COUNCIL / RELEVANT AUTHORITY SPECIFICATIONS AND DETAILS.
3. CAD FILES TO BE SUPPLIED IN AUTOCAD FORMAT FOR SETOUT PURPOSES (UPON REQUEST).
4. SUBSOIL DRAINAGE TO RETAINING WALLS, KERBS AND SWALE DRAINS NOT SHOWN FOR CLARITY - REFER RELEVANT DETAILS.
5. REFER 'STORMWATER LONGITUDINAL SECTIONS C07.11' FOR PIPE AND PIT INFORMATION.
6. REFER HYDRAULIC ENGINEERS / ARCHITECTS DRAWINGS FOR DOWNPIPE LOCATIONS AND SIZING.
7. ALL PIPES CLASS 2 RCP U.N.O
8. ALL PIT GRATES 'CLASS D' U.N.O. FOR ALL DETAILS OF STORMWATER MANAGEMENT REFER TO NORTHROP STORMWATER REPORT
9. REFER TO LANDSCAPE ARCHITECTURAL DRAWINGS AND ARBORIST REPORT FOR RELEVANT TREE PROTECTION ZONES (TPZ)

NOTE:

ALLOW FOR THE FOLLOWING ADJUSTMENTS TO EXISTING SERVICES

- ALL OVERHEAD SERVICES TO BE "UNDERGROUNDED" FOR THE LENGTH OF VICTORIA ROAD SITE FRONTAGE
- ALL SERVICE COVERS TO BE ADJUSTED TO SUIT PROPOSED FOOTPATH/VERGE/PAVEMENT LEVELS
- ALL SERVICES BELOW NEW INTERSECTION (NSR2) TO BE LOWER/DIVERTED WHERE DEEMED TO HAVE INSUFFICIENT COVER

NOT FOR CONSTRUCTION

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
1	ISSUED FOR DEVELOPMENT APPLICATION	AP		RH	05.06.18
2	ISSUED FOR DEVELOPMENT APPLICATION	AP		RH	18.07.18
3	RE-ISSUED FOR DEVELOPMENT APPLICATION	AP		PS	21.08.18
4	RE-ISSUED FOR DEVELOPMENT APPLICATION	AP		PS	22.08.18

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SCALE 1:200@ A1 — 0 2 4 6 8 10m

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Email sydney@northrop.com.au ABN 81 094 433 100

PROJECT: MELROSE PARK NSW VICTORIA ROAD SITE

STAGE 3 - LOT AA - DA PACKAGE

DRAWING TITLE: CIVIL ENGINEERING PACKAGE

STORMWATER DRAINAGE PLAN - SHEET 1

JOB NUMBER-STAGE-SUBSTAGE-PHASE: 150077-03-02-DA

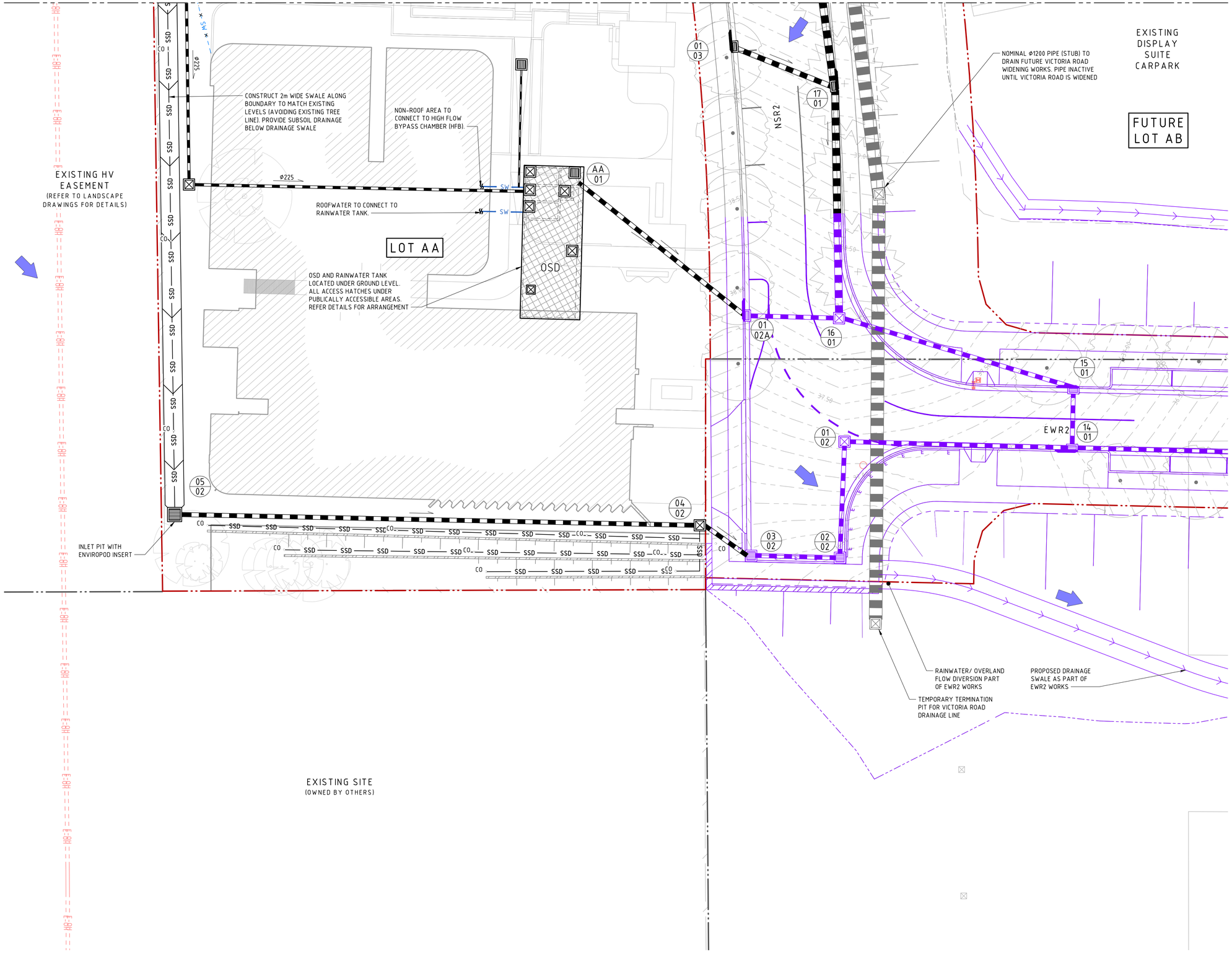
DRAWING NUMBER: C07.01 — REVISION: 4

DRAWING SHEET SIZE = A1

DRAWN: A. PACIBEN — DESIGNED: P. SUTTON — JOB MANAGER: M. RICHARDS — VERIFIER: M. RICHARDS

Date : 22-8-18 4:45pm Plotted By : APacIben Found : K:\2015\150077 - 44 wharf road, melrose park\c-drawings\c-northrop\C-CIVIL\3-CURRENT CAD FILES\DA\STAGE 3 - LOT AA\150077-03-02-DA-C07.01_STORMWATER PLAN.dwg

FOR CONTINUATION REFER SHEET 1



EXISTING BOUNDARY LINE	
PROPOSED BOUNDARY LINE	
PROPOSED ROAD EASEMENT LINE	
VRS ADJACENT STAGE WORKS	
EXISTING STORMWATER PIPE	
CONSTRUCT STORMWATER PIPE	
GTD	GRATED TRENCH DRAIN
GRATED INLET PIT (NEW / EXTG)	
KERB INLET PIT (NEW / EXTG)	
JUNCTION PIT (NEW / EXTG)	
1 / A	STORMWATER PIT TAG STRUCTURE No / LINE ID
BIO FILTRATION MEDIA	
ROCK SCOUR PROTECTION	
CO	SUBSOIL DRAINAGE CLEAROUT
SSD SSD	SUBSOIL DRAINAGE LINE
DRAINAGE SWALE	
OVERLAND FLOW	
XX.XX	CONTOURS
LIMIT OF WORKS	LIMIT OF WORKS

GENERAL NOTES:

1. REFER SPECIFICATIONS NOTES FOR STORMWATER GENERAL REQUIREMENTS.
2. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH COUNCIL / RELEVANT AUTHORITY SPECIFICATIONS AND DETAILS.
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6. REFER HYDRAULIC ENGINEERS / ARCHITECTS DRAWINGS FOR DOWNPIPE LOCATIONS AND SIZING.
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9. REFER TO LANDSCAPE ARCHITECTURAL DRAWINGS AND ARBORIST REPORT FOR RELEVANT TREE PROTECTION ZONES (TPZ)

NOTE:

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- ALL OVERHEAD SERVICES TO BE "UNDERGROUNDED" FOR THE LENGTH OF VICTORIA ROAD SITE FRONTAGE
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- ALL SERVICES BELOW NEW INTERSECTION (NSR2) TO BE LOWER/DIVERTED WHERE DEEMED TO HAVE INSUFFICIENT COVER

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DRAWN: A. PACIBEN DESIGNED: P. SUTTON JOB MANAGER: M. RICHARDS VERIFIER: M. RICHARDS

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
1	ISSUED FOR DEVELOPMENT APPLICATION	AP		RH	05.06.18
2	ISSUED FOR DEVELOPMENT APPLICATION	AP		RH	18.07.18
3	RE-ISSUED FOR DEVELOPMENT APPLICATION	AP		PS	21.08.18
4	RE-ISSUED FOR DEVELOPMENT APPLICATION	AP		PS	22.08.18

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PROJECT: MELROSE PARK NSW VICTORIA ROAD SITE

STAGE 3 - LOT AA - DA PACKAGE

DRAWING TITLE: CIVIL ENGINEERING PACKAGE

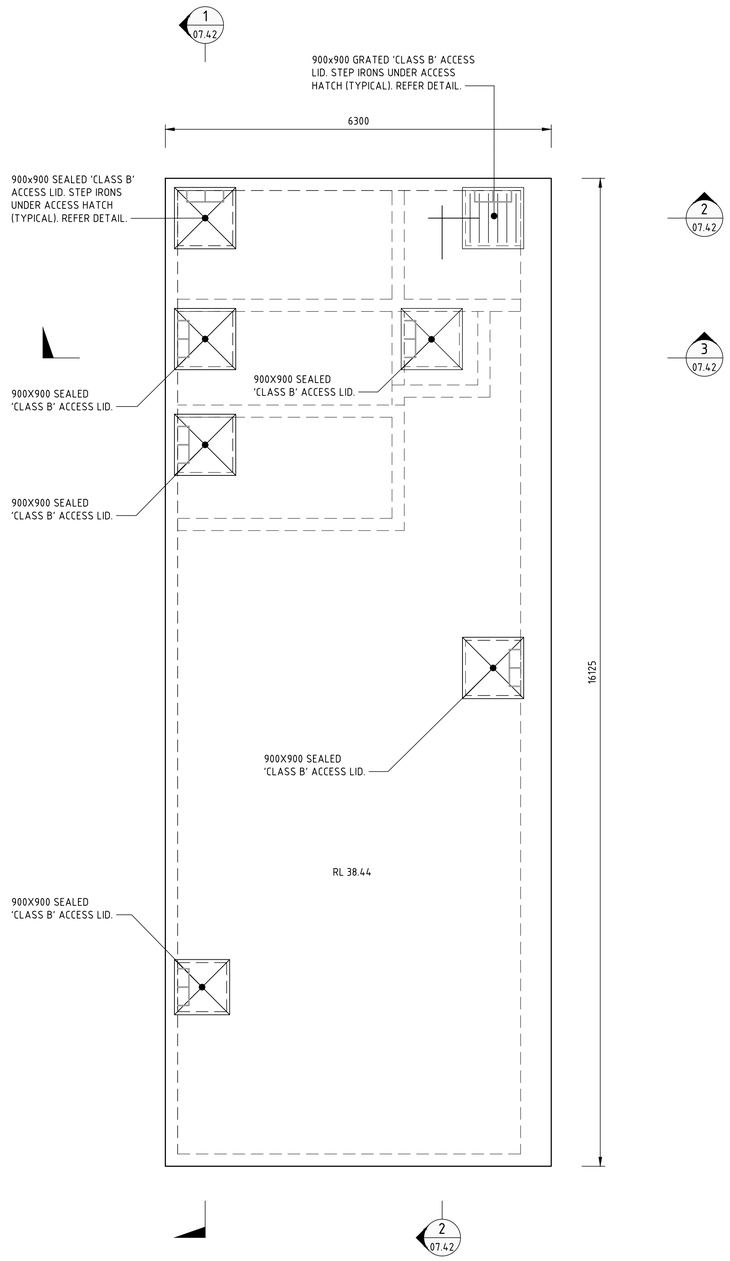
STORMWATER DRAINAGE PLAN - SHEET 2

JOB NUMBER-STAGE-SUBSTAGE-PHASE: 150077-03-02-DA

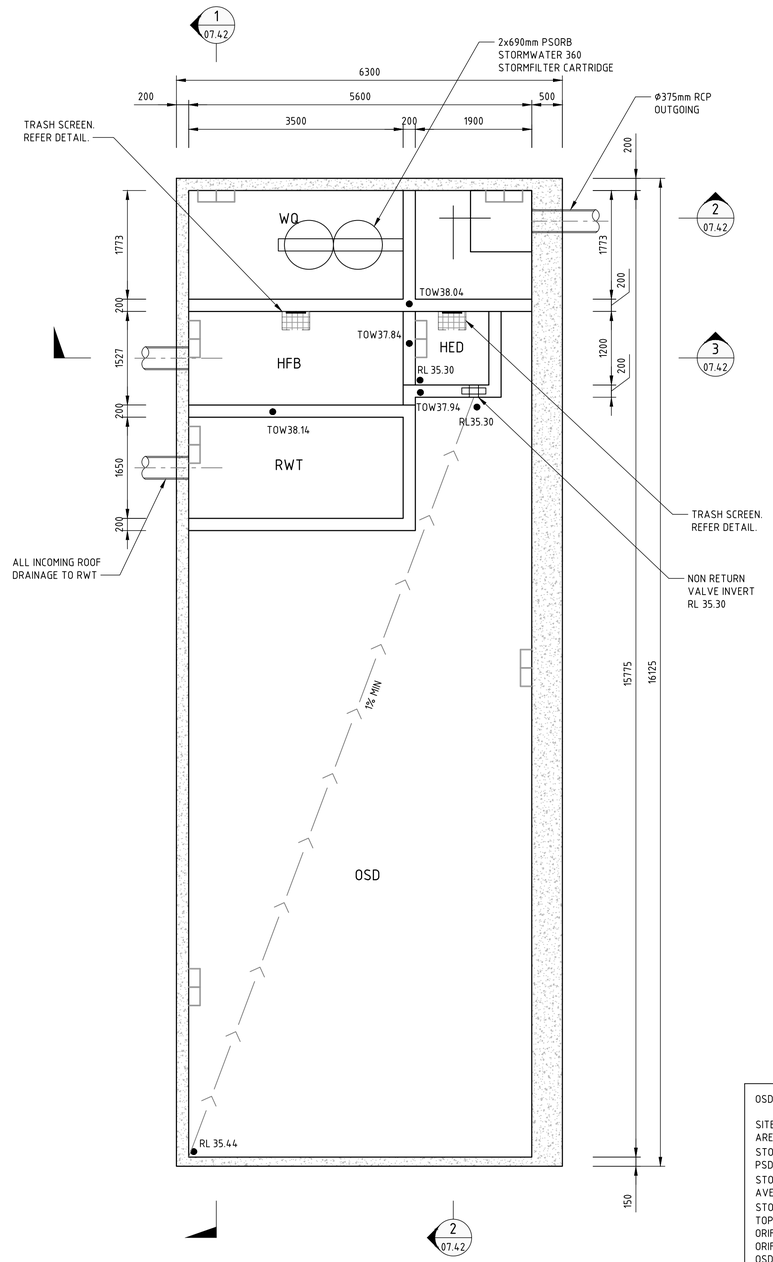
DRAWING NUMBER: C07.02 REVISION: 4

DRAWING SHEET SIZE = A1

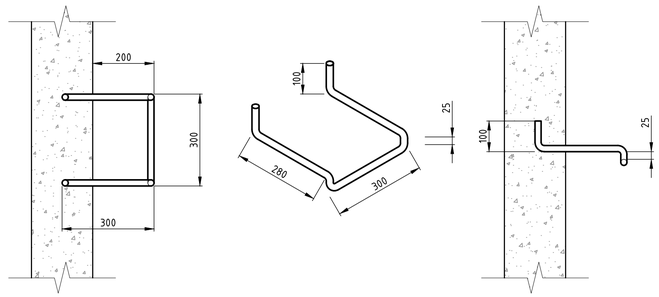
Date : 22-5-18 4:45pm Plotted By: APaciben Found : K:\2015\150077 - 44 wharf road, melrose park\c-drawings\d-northrop\C-CIVIL\3-CURRENT CAD FILES\DA\STAGE 3 - LOT AA\150077-03-02-DA-C07.01_STORMWATER PLAN.dwg



OSD - ROOF PLAN



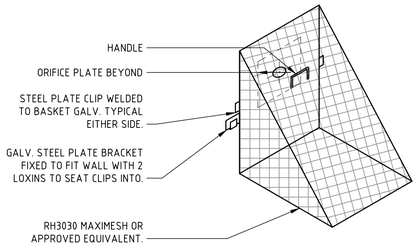
OSD - BASE PLAN



STEP IRON DETAIL

NOT TO SCALE

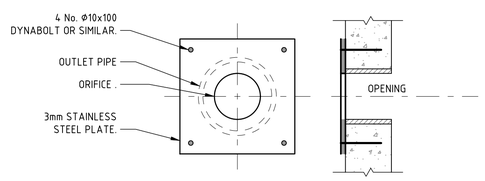
STEP IRON OF 20mm GALVANIZED STEEL MADE TO SHAPE AND DIMENSIONS SHOWN AND PLACED AT 300 CENTRES AND STAGGERED HORIZONTALLY FOR PITS DEEPER THAN 1.0m.



TYPICAL TRASH SCREEN DETAIL

NOT TO SCALE

OSD TANK	
SITE AREA	= 0.549ha
AREA DRAINING TO OSD	= 0.467ha
STORAGE REQUIRED	= 105.32m³
PSD	= 103.70 L/s
STORAGE AREA	= 62.09m²
AVERAGE HEIGHT	= 2.67m
STORAGE PROVIDED	= 165.78m³
TOP WATER LEVEL (TWL)	= RL 38.04
ORIFICE SIZE	= 167mm
ORIFICE CENTRE LINE (CL)	= RL 35.30
OSD DISCHARGE	= 99.6 L/s
WQ DISCHARGE	= 3.12 L/s
TOTAL SITE DISCHARGE	= 102.72 L/s



ORIFICE DETAIL

NOT TO SCALE

DRAWN: A. PACIBEN DESIGNED: P. SUTTON JOB MANAGER: M. RICHARDS VERIFIER: M. RICHARDS

Found : K:\2015\150077 - 44 wharf road, melrose park\c-drawings\d-northrop\C-CIVIL\3-CURRENT CAD FILES\DA\STAGE 3 - LOT AA\150077-03-02-DA-C07.41_DETAILS SW.dwg Plotted By: APacIben Date : 18-7-18 5:13pm

NOT FOR CONSTRUCTION

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
1	ISSUED FOR DEVELOPMENT APPLICATION	AP		RH	05.06.18
2	ISSUED FOR DEVELOPMENT APPLICATION	AP		RH	18.07.18

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PROJECT: MELROSE PARK NSW VICTORIA ROAD SITE

STAGE 3 - LOT AA - DA PACKAGE

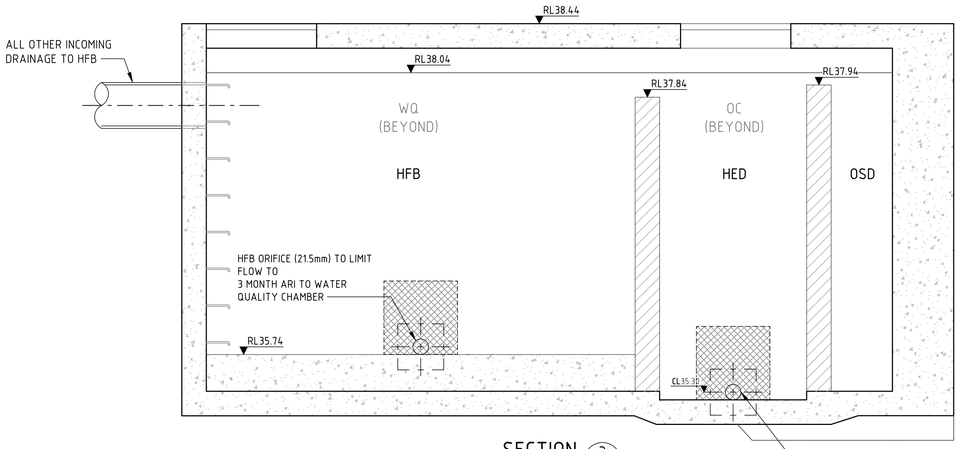
DRAWING TITLE: CIVIL ENGINEERING PACKAGE

STORMWATER OSD DETAILS - SHEET 1

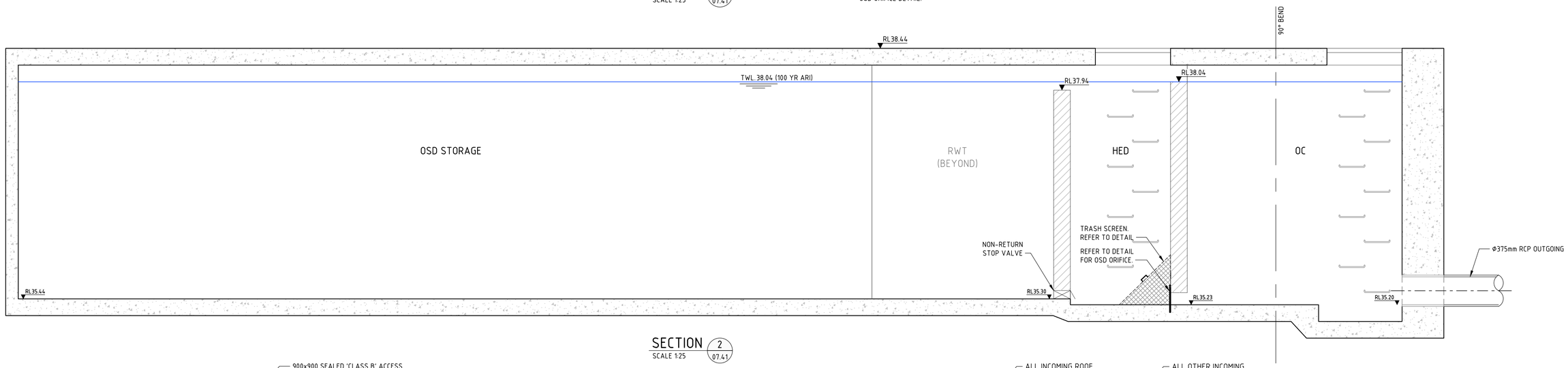
JOB NUMBER-STAGE-SUBSTAGE-PHASE: 150077-03-02-DA

DRAWING NUMBER: C07.41 REVISION: 2

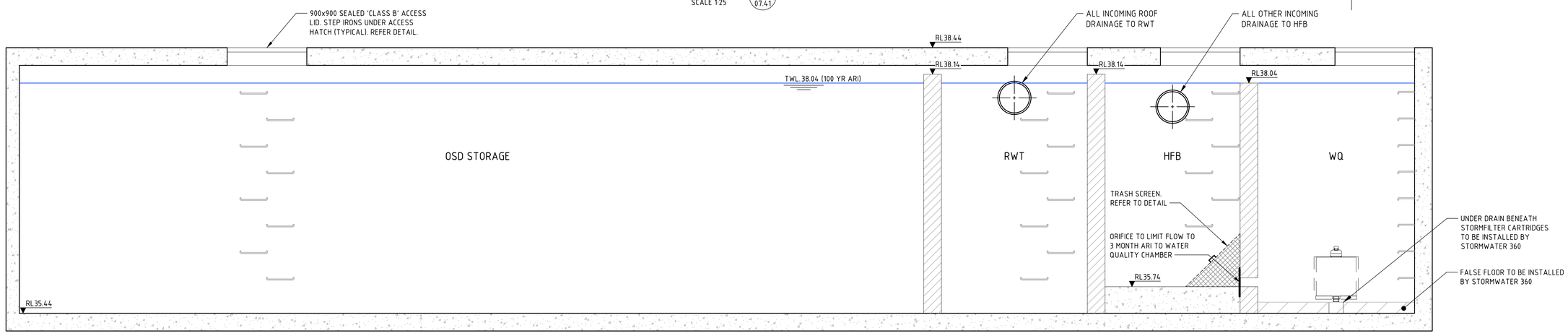
DRAWING SHEET SIZE = A1



SECTION 3 / 07.41
SCALE 1:25



SECTION 2 / 07.41
SCALE 1:25



SECTION 1 / 07.41
SCALE 1:25

DRAWN: A. PACIBEN
DESIGNED: P. SUTTON
JOB MANAGER: M. RICHARDS
VERIFIER: M. RICHARDS

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REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
1	ISSUED FOR DEVELOPMENT APPLICATION	AP		RH	05.06.18
2	ISSUED FOR DEVELOPMENT APPLICATION	AP		RH	18.07.18

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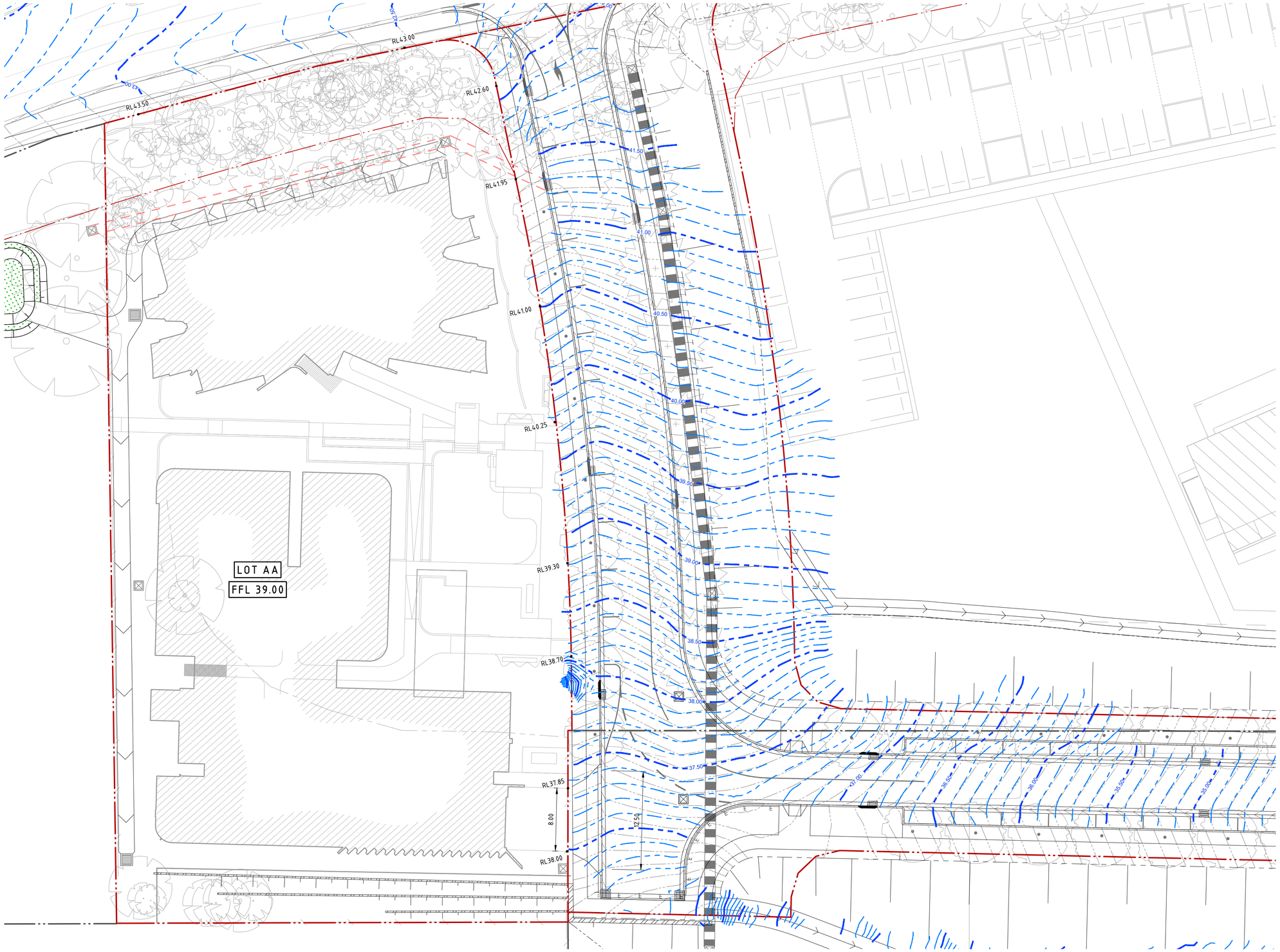
PROJECT
MELROSE PARK NSW
VICTORIA ROAD SITE
STAGE 3 - LOT AA - DA PACKAGE

DRAWING TITLE
CIVIL ENGINEERING PACKAGE
STORMWATER OSD DETAILS - SHEET 2

JOB NUMBER-STAGE-SUBSTAGE-PHASE: 150077-03-02-DA
DRAWING NUMBER: C07.42
REVISION: 2
DRAWING SHEET SIZE = A1

Date : 18-7-18 5:13pm Plotted By : APaciben Found : K:\2015\150077 - 44 wharf road, melrose park\c-drawings\d-northrop\C-CIVIL\3-CURRENT CAD FILES\DA\STAGE 3 - LOT AA\150077-03-02-DA-C07.41_DETAILS SW.dwg



LEGEND

- EXISTING BOUNDARY LINE
- PROPOSED BOUNDARY LINE
- PROPOSED ROAD EASEMENT LINE
- PROPOSED VRS ROADS WORKS
- RL XX.XX — FLOOD PLANNING LEVELS (1% AEP + 500mm)
- FFLXX.XX — PROPOSED FINISHED FLOOR LEVEL
- XX.XX — FINISHED SURFACE DESIGN CONTOURS
- XX.XX — 1% FLOOD AEP CONTOURS

NOT FOR CONSTRUCTION

DRAWN: A. PACIBEN | DESIGNED: P. SUTTON | JOB MANAGER: M. RICHARDS | VERIFIER: M. RICHARDS

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
1	ISSUED FOR DEVELOPMENT APPLICATION	AP		PS	20.08.18
2	RE-ISSUED FOR DEVELOPMENT APPLICATION	AP		PS	22.08.18

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SCALE 1:250@ A1 — 0 2 4 6 8 10 12m

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PROJECT: MELROSE PARK NSW VICTORIA ROAD SITE

STAGE 3 - LOT AA - DA PACKAGE

DRAWING TITLE: CIVIL ENGINEERING PACKAGE

1% AEP CONTOUR PLAN

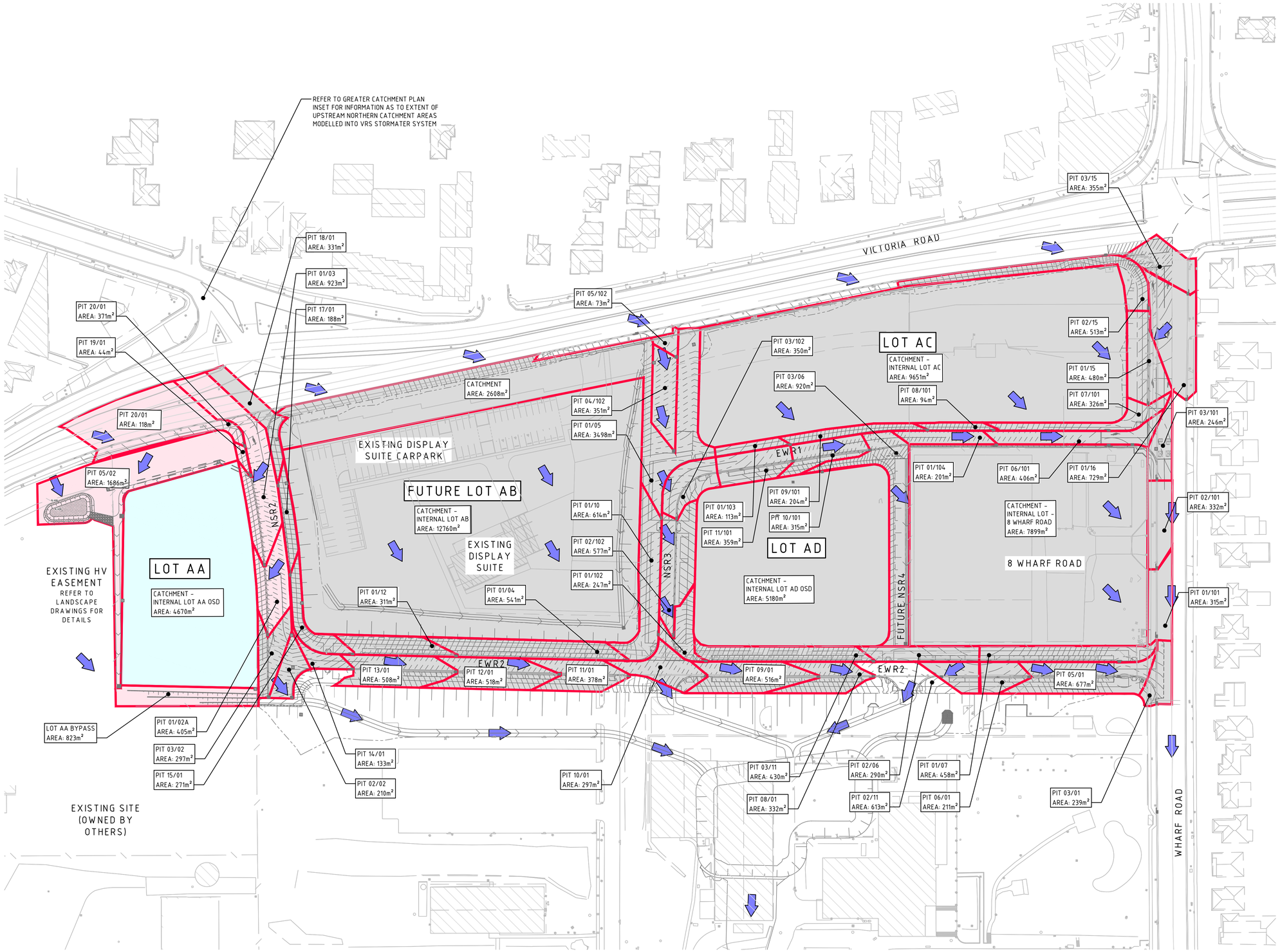
JOB NUMBER-STAGE-SUBSTAGE-PHASE: 150077-03-02-DA

DRAWING NUMBER: C07.81

REVISION: 2

DRAWING SHEET SIZE = A1

Date : 22-8-18 4:45pm Plotted By : APaciben Found : K:\2015\150077 - 44 wharf road, melrose park\c-drawings\d-northrop\C-CIVIL\3-CURRENT CAD FILES\DA\STAGE 3 - LOT AA\150077-03-02-DA-C07.81_CONTOUR PLAN.dwg

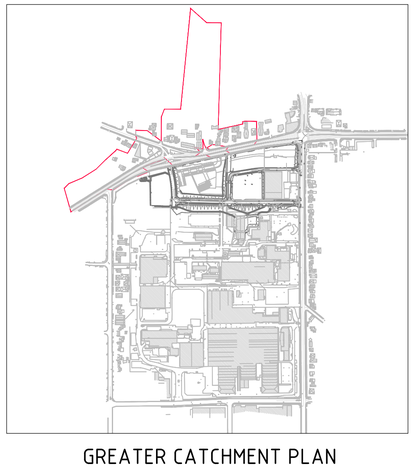


LEGEND

- EXISTING BOUNDARY LINE
- PROPOSED BOUNDARY LINE
- VRS ADJACENT STAGE WORKS
- OSD CATCHMENT BOUNDARY
- CATCHMENT EXTENTS
- LOT AA OSD CATCHMENT AREA
- REMAINING VRS CATCHMENT AREA (REFER VRS ROADS AND LOT AD PACKAGES)
- FLOW ARROW
- DRAINAGE SWALE
- PIT 12/01 AREA: 492m² — CATCHMENT NAME AND ASSOCIATED PIT CATCHMENT SIZE

NOTES

1. REFER TO CIVIL DRAWINGS / DRAINS FILE FOR HYDROLOGICAL AND HYDRAULIC CALCULATIONS.CATCHMENTS INDICATED AND THEIR CORRESPONDING PITS ARE THOSE WHICH HAVE BEEN USED FOR MODELLING PURPOSES.
2. REFER HYDRAULIC ENGINEERS CALCULATIONS FOR ROOF DRAINAGE.



GREATER CATCHMENT PLAN
NTS

NOT FOR CONSTRUCTION

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
1	ISSUED FOR DEVELOPMENT APPLICATION	AP		RH	05.06.18
2	ISSUED FOR DEVELOPMENT APPLICATION	AP		RH	18.07.18
3	RE-ISSUED FOR DEVELOPMENT APPLICATION	AP		PS	20.08.18
4	RE-ISSUED FOR DEVELOPMENT APPLICATION	AP		PS	22.08.18

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SCALE 1:800@ A1 — 0 10 20 30 40m

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PROJECT: MELROSE PARK NSW VICTORIA ROAD SITE

STAGE 3 - LOT AA - DA PACKAGE

DRAWING TITLE: CIVIL ENGINEERING PACKAGE

CATCHMENT PLAN

JOB NUMBER-STAGE-SUBSTAGE-PHASE: 150077-03-02-DA

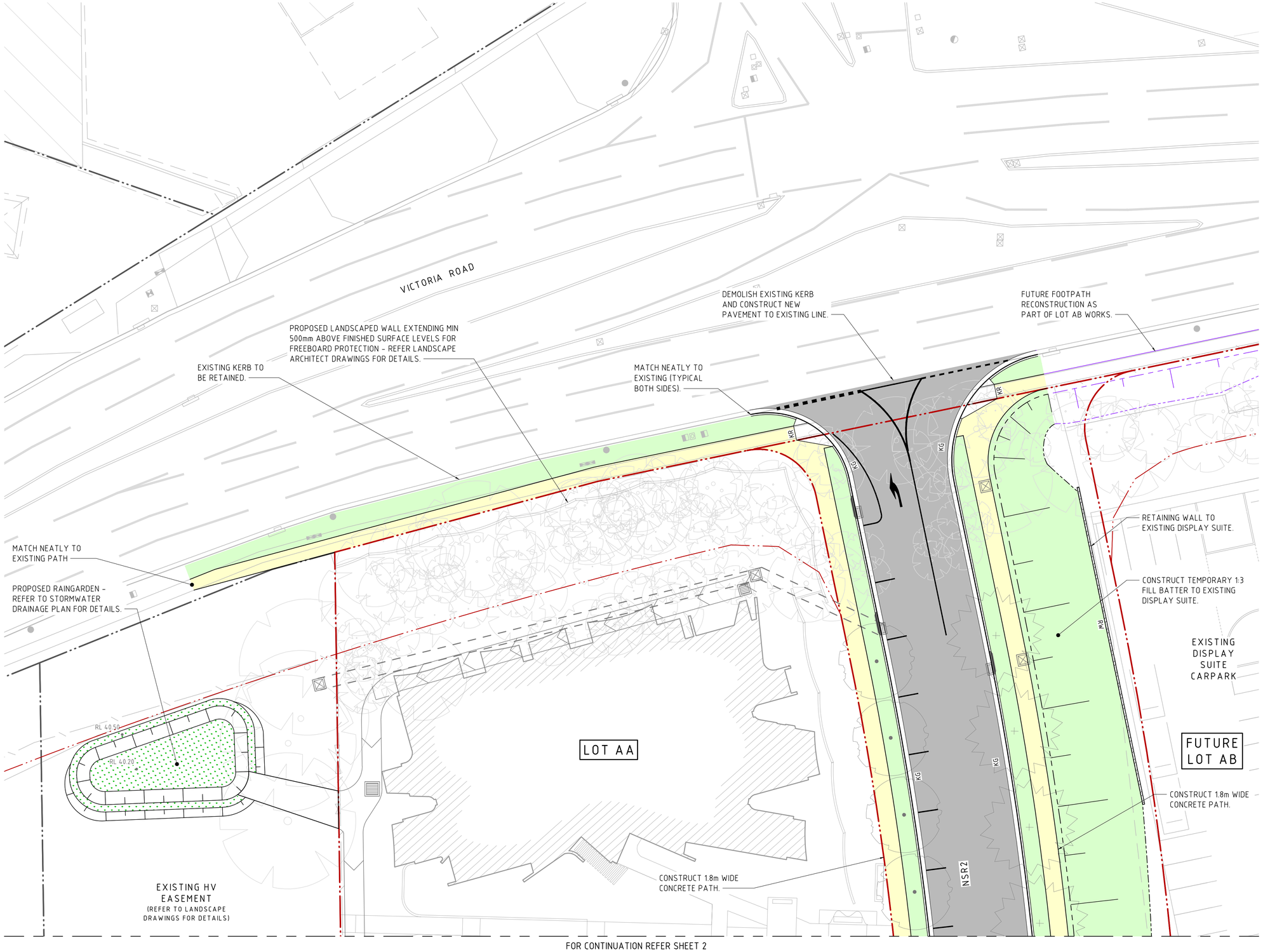
DRAWING NUMBER: C07.91

REVISION: 4

DRAWING SHEET SIZE = A1

DRAWN: A. PACIBEN
DESIGNED: P. SUTTON
JOB MANAGER: M. RICHARDS
VERIFIER: M. RICHARDS

Date : 22-8-18 4:45pm Plotted By : APaciben Found : K:\2015\150077 - 44 wharf road, melrose park\c-drawings\d-northrop\C-CIVIL\3-CURRENT CAD FILES\DA\STAGE 3 - LOT AA\150077-03-02-DA-C07.91_CATCHMENT-PLAN.dwg



LEGEND

- EXISTING BOUNDARY LINE
- PROPOSED BOUNDARY LINE
- FLEXIBLE PAVEMENT - TYPE 1 ROAD
- RIGID PAVEMENT - TYPE 4 DRIVEWAY
- HARDSCAPING - REFER LANDSCAPING ARCHITECTS PLANS FOR DETAILS
- SOFTSCAPING - REFER LANDSCAPING ARCHITECTS PLANS FOR DETAILS
- BIO FILTRATION MEDIA
- VRS STAGE 1 WORKS
- VRS STAGE 1 TO BE DEMOLISHED
- LIMIT OF WORKS (LIMIT OF WORKS)
- DRAINAGE SWALE

NOTES

1. REFER SPECIFICATIONS NOTES FOR PAVEMENT GENERAL REQUIREMENTS.
2. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH COUNCIL / RELEVANT AUTHORITY SPECIFICATIONS AND DETAILS.
3. ENSURE ALL INTERFACES WITH EXISTING MATCH NEATLY.

NOT FOR CONSTRUCTION

DRAWN: A. PACIBEN | DESIGNED: P. SUTTON | JOB MANAGER: M. RICHARDS | VERIFIER: M. RICHARDS

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
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4	RE-ISSUED FOR DEVELOPMENT APPLICATION	AP		PS	22.08.18

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PROJECT MANAGER: m PROJECTS

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SCALE 1:200@ A1 (0 2 4 6 8 10m)

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PROJECT: MELROSE PARK NSW VICTORIA ROAD SITE

STAGE 3 - LOT AA - DA PACKAGE

DRAWING TITLE: CIVIL ENGINEERING PACKAGE

PAVEMENT PLAN - SHEET 1

JOB NUMBER-STAGE-SUBSTAGE-PHASE: 150077-03-02-DA

DRAWING NUMBER: C08.01 | REVISION: 4

DRAWING SHEET SIZE = A1

Found : K:\2015\150077 - 44 wharf road, melrose park\c-drawings\d-northrop\C-CIVIL\3-CURRENT CAD FILES\DA\STAGE 3 - LOT AA\150077-03-02-DA-C08.01_PAVEMENT PLAN.dwg

Date : 22-8-18 4:46pm Plotted By : APaciben

FOR CONTINUATION REFER SHEET 1

EXISTING HV EASEMENT
(REFER TO LANDSCAPE DRAWINGS FOR DETAILS)

LOT AA

OSD

CONSTRUCT 1.8m WIDE CONCRETE PATH.

MATCH NEATLY TO EWR2 WORKS

NSR2

KG

CONSTRUCT 1.8m WIDE CONCRETE PATH.

CONSTRUCT TEMPORARY 1:3 FILL BATTER TO EXISTING DISPLAY SUITE.

EXISTING DISPLAY SUITE CARPARK

FUTURE LOT AB

PROPSOED 1.8m WIDE CONCRETE PATH

LOT AA HEAVY DUTY DRIVEWAY AS PART OF EMR2 WORKS.

REFER ARCHITECT AND DRAWINGS FOR INTERNAL DRIVEWAY GRADING

8.00

13.55

VC

KR

KO

DD

EWR2

FK

RW

RETAINING WALL TO ADJACENT PROPERTY

EXISTING SITE
(OWNED BY OTHERS)

LEGEND

	EXISTING BOUNDARY LINE
	PROPOSED BOUNDARY LINE
	FLEXIBLE PAVEMENT - TYPE 1 ROAD
	RIGID PAVEMENT - TYPE 4 DRIVEWAY
	HARDSCAPING - REFER LANDSCAPING ARCHITECTS PLANS FOR DETAILS
	SOFTSCAPING - REFER LANDSCAPING ARCHITECTS PLANS FOR DETAILS
	BIO FILTRATION MEDIA
	VRS STAGE 1 WORKS
	VRS STAGE 1 TO BE DEMOLISHED
LIMIT OF WORKS	LIMIT OF WORKS
	DRAINAGE SWALE

NOTES

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SCALE 1:200@ A1 (0 2 4 6 8 10m)

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PROJECT: MELROSE PARK NSW VICTORIA ROAD SITE

STAGE 3 - LOT AA - DA PACKAGE

DRAWING TITLE: CIVIL ENGINEERING PACKAGE

PAVEMENT PLAN - SHEET 2

JOB NUMBER-STAGE-SUBSTAGE-PHASE: 150077-03-02-DA

DRAWING NUMBER: C08.02 REVISION: 4

DRAWING SHEET SIZE = A1

Date : 22-8-18 4:46pm Plotted By: APacIben Found : K:\2015\150077 - 44 wharf road, melrose park\c-drawings\d-northrop\C-CIVIL\3-CURRENT CAD FILES\DA\STAGE 3 - LOT AA\150077-03-02-DA-C08.01_PAVEMENT PLAN.dwg