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1 INTRODUCTION

Northrop Consulting Engineers have been engaged by Payce to prepare a services assessment for a proposed mixed use development located at 38 – 42, 44 & 44A Wharf Road, Melrose Park. This report has been prepared in support of a planning approval to the NSW Department of Planning for the proposed development.

This report has been prepared to outline all of the existing services and infrastructure currently servicing the site. This report will describe the size of the services servicing the site, outline easement constraints and assess capacity of the services under existing conditions. A “Dial Before You Dig” (DBYD) submission had been submitted and plans read in conjunction with survey plans prepared by LTS Lockley Surveyors to undertake the services assessment.

This report will identify constraints with the existing infrastructure to service the proposed development and provide recommendations on necessary augmentation works required in order to secure a supply of services to service the proposed development.

1.1 Limitations

Due care and skill has been exercised in the preparation of this report.

No responsibility or liability to any third party is accepted for any loss or damage arising out of the use of this report by any third party. Any third party wishing to act upon any material contained in this report should first contact Northrop for detailed advice which will take into account that party's particular requirements.

2 SITE DESCRIPTION

2.1 Existing Site Conditions

The site is currently developed and in use for light industrial and commercial purposes. The site covers an area of approximately 25 Ha. The site is surrounded by low density residential housing to the east and west, Victoria Road to the north and existing light industrial and Melrose Park Public School to the south (refer to **Figure 1**).



Figure 1 – Site Locality Plan

Based on aerial photography, the site appears to be approximately 70 - 80% impervious predominately comprising of access roads, on-grade car parking and commercial buildings. Levels across the site range from RL 10.2 – 31.6 m AHD. The site falls from the north-west to the south-east. The topography of the site consists of terraced platforms characterised by steep embankments between gently sloping platforms with grades ranging from 2-6%. Fall across the site generally fall uniformly across the site. For more information, refer to the detailed survey attached in **Appendix A**.

There are three defined overland flow paths that traverse the site. The first overland flow runs along the rear of Bartlett Park via a grassed channel, flowing in a west to east direction towards Wharf Road. The second overland flow runs through the middle of the site in a west-east direction towards Wharf Road. The third overland flow path is located along the western boundary of the site and conveys overland flows to Hope Street. The latter two overland flow paths have been man made generally comprising of the main access roads into and around the site.

The site is currently serviced by existing stormwater, power, water and sewer infrastructure with services reticulation being provided from major services trenches along Victoria Road, Wharf Road and Hope Street. In addition, to the services reticulation across the site, there are major services easements which traverse through the site.

2.2 Proposed Site Conditions

The proposed development will involve the demolition of all existing buildings within the site and the construction of a new road network, open space, public amenities, residential & commercial buildings and associated services and infrastructure (refer to **Figure 2**). For more information, refer to the masterplan prepared by AJ+C.

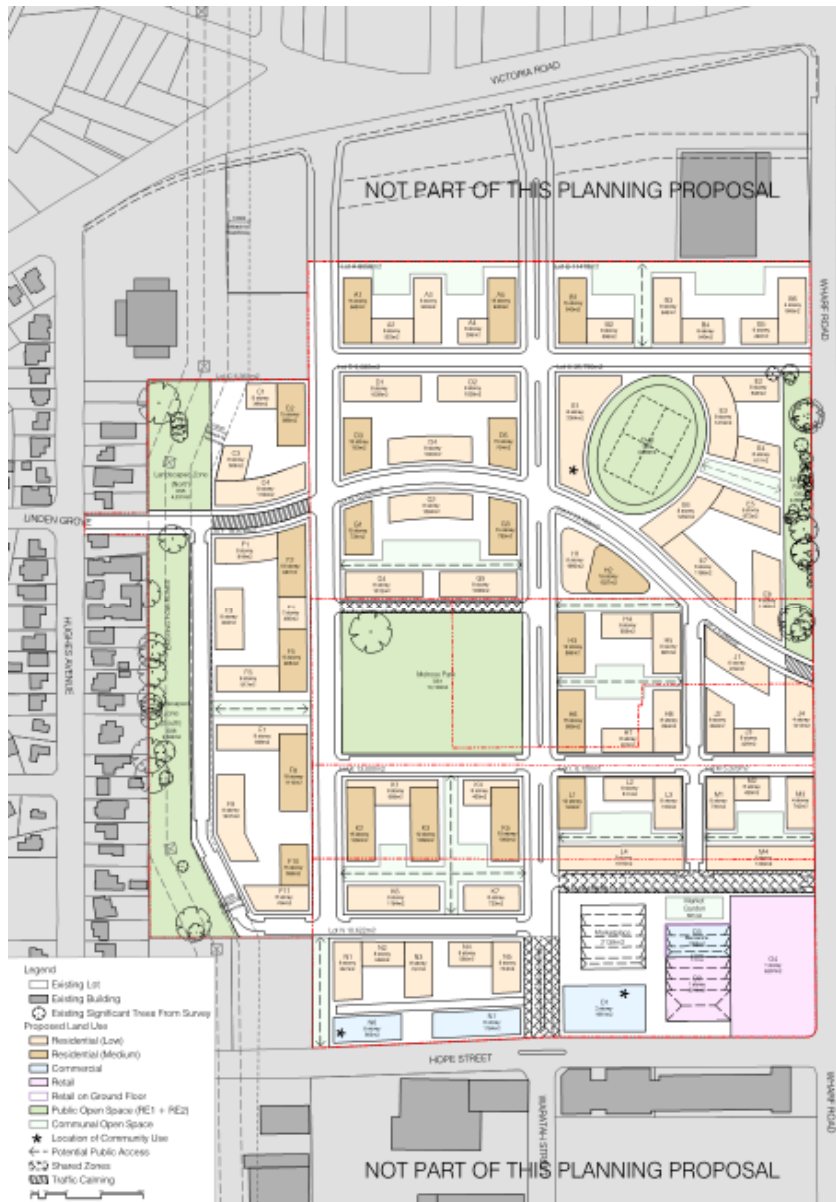


Figure 2 – Proposed Melrose Park Masterplan

The proposed masterplan will comprise of the following:

- Apartments 5,200 (including 150 affordable)
- Retail 8,100 m² (GFA)
- Commercial 15,000 m² (GFA)
- Community 2,500 m² (GFA)
- FSR 1.95:1
- Height limit 18 Storeys

3 SERVICES

3.1 Sewer

Internally, there is an existing 225 mm sewer main currently traversing and servicing 38-42 Wharf Road. This main will have to be removed as part of the proposed development. In addition there is an existing 150 mm sewer line that services No. 15 Hughes Avenue. The 150 mm main traverses along the western boundary of the site and has an easement covenant on the site. This sewer main will have to be maintained as part of the proposed development.

There is an existing 900 mm sewer main located through the middle of the site. The 900 mm sewer main is a significant portion of SydneyWater's infrastructure. The main may be diverted around the site, or concrete encased to make areas of the site available for development. Otherwise, any future buildings cannot be constructed over the main and any construction adjacent to the sewer main will have to be pier to minimise any potential impacts to SydneyWater's infrastructure.

Externally, there is an existing 150 mm sewer main located along the northern end of Wharf Road and a 225 mm sewer main located along Hope Street

Initial assessment indicates that the sewer main in Wharf Road and Hope Street may need to be upgraded. Final assessment will be subject to detailed design, number of apartments, an assessment of stormwater and grey water harvesting strategies and a section 73 application to SydneyWater.

The location of all existing services within and surrounding the site are presented in **Figure 3**.



Figure 3 – Location of Sewer Easements

For more information, refer to the attached SydneyWater Infrastructure plan in **Appendix B**.

3.2 Potable Water

The site is currently serviced by SydneyWater. The site is surrounded by existing potable water mains along Victoria Road, Hope Street and Wharf Road.

Major water trunk mains exist along Hope Street and include dual 1200 mm water mains, a 900 mm and 110 mm water main. Major trunk mains have also been identified along Victoria Road. These mains include a 200 mm and 500 mm diameter on the northern and southern side of Victoria Road respectively.

In addition to the above major trunk mains, there is an existing 200 mm water main located in Wharf Road. It is likely that this main may need to be upgraded to service the proposed development. The 200 mm main would likely be replaced with a 300 mm main, via an extension from Victoria Road. This would be subject to detailed design, a pressure and flow application and a Section 73 application with SydneyWater and assessment of stormwater and grey water harvesting strategies for the proposed site.

The location of all existing services within and surrounding the site are presented in **Figure 4**.



Figure 4 – Location of Potable Mains

There are no known potable water easements located across the site. Similarly, there are no known boreholes/water license associated with the site.

As part of the proposed development, potable water mains will be reticulated along the road network to ensure a secure water connection to all future buildings.

For more information, refer to the attached SydneyWater Infrastructure plan in **Appendix B**.

3.3 Gas

Existing gas infrastructure surrounding both the southern and western extents of the development sites appears to be sufficient to supply gas to the proposed development. Final assessment will be made based upon a Jemena application.

No other gas services infrastructure or easements have been identified within the site.

For more information, refer to the attached Jemena Infrastructure plan in **Appendix B**.

3.4 Electrical

The site currently involves nine substations (Substation no. 24227, 17749, 21957, 17783 26764, 24558, 24353, 21835 & 17782) owned by Endeavour Energy. Due to the nature of the proposed works, all the above mentioned substations and its associated easement will be removed and extinguished to make way for the new developments (refer to **Figure 5**).



Figure 5 – Location of Power Easements

A 132kV overhead transmission line exists with dedicated electrical easement along the western boundary parallel to Hughes Avenue. The overhead transmission line is managed and owned by Transgrid. All future buildings will have to be constructed no close than 15 m of the overhead transmission line (refer to **Figure 6**).

Provided, that future buildings are maintained outside of the easement of the overhead power lines, electromagnetic fields generated from the powerlines will not have an effect on the proposed development. It should be noted that the area below the overhead transmission lines can be used for the construction of roads and public open space.



Figure 6 – Location of Overhead Transmission Line Easements

Based on the predicted scale of the development a maximum demand of 21.2 MVA will be required. We estimate that about twenty one (21) 1000 to 1,500 kVA substations depending on the size of substations will be incorporated as part of the new development.

A number of connection points are available for the proposed development, but the most feasible option would be to connect to the nearest Rydalmere Zone Substation present along 5-7 Wattle Street, Rydalmere, approximately 3.5 km away. The Zone Substation should have sufficient capacity to provide power to the proposed site, however this is subject to staging and timing of the development.

As part of the proposed development, high and low voltage underground services trench with PVC conduits will be provided along the proposed road network to ensure service connection to future buildings and street lighting across the site.

3.5 Telecommunications

The site is currently serviced for telecommunications. DBYD plans indicate that the site is currently serviced by Telstra and Optus. Services are reticulated through the site via Wharf Road and Hope Street through private communication cables.

No optical fiber cables have been identified across the site.

A telecommunications mobile tower is located in the south west corner of the site. As the tower is owned by a third party, there is an easement associated with the tower and incoming conduits (refer to **Figure 7**).



Figure 7 – Location of Telecommunications Easement

As part of the proposed development, all private communication conduits and reticulation lines through the site will be made redundant and abandoned. New communication trenches will be provided as part of the road network to reticulate new communications cables through the proposed development to ensure a connection point for all future buildings.

4 CONCLUSION

Northrop Consulting Engineers have been engaged by Payce to prepare a services assessment for a proposed mixed use development located at 38 – 42, 44 & 44A Wharf Road, Melrose Park. Based on a review of the existing site conditions, the scale of the proposed development and relevant engineering requirements we are satisfied that the site can be appropriately serviced to support the proposed development.

We trust the information provided in this letter provides an appreciation of the potential servicing opportunities and constraints available across the site. If you wish to discuss any of the above items in further detail, feel free to contact the undersigned on 9241 4188.

Yours faithfully

A handwritten signature in black ink, appearing to read "James Hoang", written in a cursive style.

James Hoang
Civil Engineer

Northrop Consulting Engineers

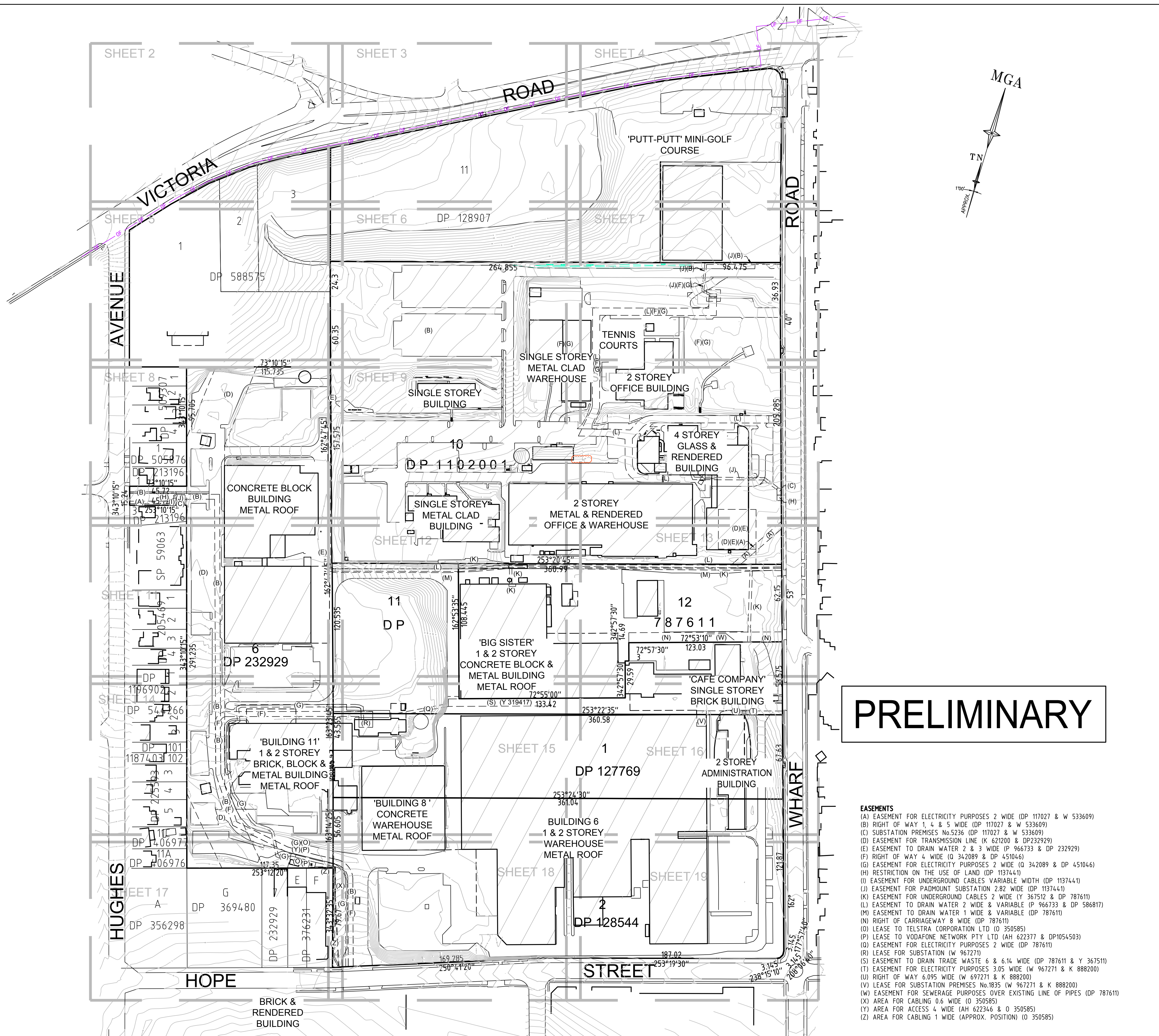
APPENDIX A

LEGEND

BENCH MARK	▲
COMMS PIT	COM
TELSTRA PIT	TEL
OPTUS PIT	OPTUS
TELSTRA PILLAR	TELPL
RADIO TOWER	RTW
ELECTRIC LIGHT POLE	ELP
LIGHT POLE	LP
POWER POLE	PP
PIT WITH CONCRETE LID	CLID
PIT WITH METAL LID	MLID
STREET SIGN	SS
GRATED INLET PIT	GIP
KERB INLET PIT	KIP
SEWER INSPECTION POINT	SIP
SEWER MANHOLE	SMH
MANHOLE	MH
STOP VALVE	SV
HYDRANT	HYD
WATER METER	WM
WATER TAP	TAP
WATER VALVE	WVALVE
GAS LID	GAS
GAS MARKER	GASMKR
MONITORING WELL	MWELL
VEHICLE CROSSING	(VC)
PRAM CROSSING	(PC)
GAS	G
TELSTRA	T
OPTICAL FIBRE	OP
NATIONAL BROADBAND NETWORK (DBYD)	NBN
WATER	W
STORMWATER	SW
SEWER	S
ELECTRICITY (OVERHEAD)	P
ELECTRICITY (U'GROUND)	E
HIGH PRESSURE OIL (U'GROUND)	OIL

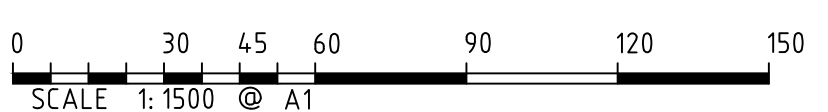
NOTES

- THE BOUNDARIES HAVE NOT BEEN MARKED
- ALL AREAS AND DIMENSIONS HAVE BEEN COMPILED FROM PLANS MADE AVAILABLE BY THE OFFICE OF LAND & PROPERTY INFORMATION (NSW) AND ARE SUBJECT TO FINAL SURVEY
- ORIGIN OF LEVELS ON A.H.D. IS TAKEN FROM SSM 108450 R.L. 26.386 (A.H.D.) IN WHARF ROAD
- CONTOUR INTERVAL 0.5 m
- CONTOURS ARE INDICATIVE ONLY. ONLY SPOT LEVELS SHOULD BE USED FOR CALCULATIONS OF QUANTITIES WITH CAUTION
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- NO INVESTIGATION OF UNDERGROUND SERVICES HAS BEEN MADE. SERVICES HAVE BEEN PLOTTED FROM RELEVANT AUTHORITIES INFORMATION AND HAVE NOT BEEN SURVEYED. ALL RELEVANT AUTHORITIES SHOULD BE NOTIFIED PRIOR TO ANY EXCAVATION ON OR NEAR THE SITE
- 8/4/7 DENOTES TREE SPREAD OF 8m, TRUNK DIAMETER OF 0.4m & APPROX HEIGHT OF 7m
- BEARINGS SHOWN ARE MGA (MAP GRID OF AUSTRALIA) ADD APPROX. 1°00' FOR TRUE NORTH



PRELIMINARY

- EASEMENTS**
- (A) EASEMENT FOR ELECTRICITY PURPOSES 2 WIDE (DP 117027 & W 533609)
 - (B) RIGHT OF WAY 1.4 & 5 WIDE (DP 117027 & W 533609)
 - (C) SUBSTATION PREMISES No.5236 (DP 117027 & W 533609)
 - (D) EASEMENT FOR TRANSMISSION LINE (K 621200 & DP232929)
 - (E) EASEMENT TO DRAIN WATER 2 & 3 WIDE (P 966733 & DP 232929)
 - (F) RIGHT OF WAY 4 WIDE (O 342089 & DP 451046)
 - (G) EASEMENT FOR ELECTRICITY PURPOSES 2 WIDE (O 342089 & DP 451046)
 - (H) RESTRICTION ON THE USE OF LAND (DP 1137441)
 - (I) EASEMENT FOR UNDERGROUND CABLES VARIABLE WIDTH (DP 1137441)
 - (J) EASEMENT FOR PADMOUNT SUBSTATION 2.82 WIDE (DP 1137441)
 - (K) EASEMENT FOR UNDERGROUND CABLES 2 WIDE (Y 367512 & DP 787611)
 - (L) EASEMENT TO DRAIN WATER 2 WIDE & VARIABLE (P 966733 & DP 586817)
 - (M) EASEMENT TO DRAIN WATER 1 WIDE & VARIABLE (DP 787611)
 - (N) RIGHT OF CARRIAGEWAY 8 WIDE (DP 787611)
 - (O) LEASE TO TELSTRA CORPORATION LTD (O 350585)
 - (P) LEASE TO VODAFONE NETWORK PTY LTD (AH 622377 & DP1054503)
 - (Q) EASEMENT FOR ELECTRICITY PURPOSES 2 WIDE (DP 787611)
 - (R) LEASE FOR SUBSTATION (W 967271)
 - (S) EASEMENT TO DRAIN TRADE WASTE 6 & 6.14 WIDE (DP 787611 & Y 367511)
 - (T) EASEMENT FOR ELECTRICITY PURPOSES 3.05 WIDE (W 967271 & K 888200)
 - (U) RIGHT OF WAY 6.095 WIDE (W 967271 & K 888200)
 - (V) LEASE FOR SUBSTATION PREMISES No.1835 (W 967271 & K 888200)
 - (W) EASEMENT FOR SEWERAGE PURPOSES OVER EXISTING LINE OF PIPES (DP 787611)
 - (X) AREA FOR CABLING 0.6 WIDE (O 350585)
 - (Y) AREA FOR ACCESS 4 WIDE (AH 622346 & O 350585)
 - (Z) AREA FOR CABLING 1 WIDE (APPROX. POSITION) (O 350585)



Revision	Date	Description	Reference
D	00/00/00	-	00
C	00/00/00	-	00
B	00/00/00	-	00
A	00/00/00	-	00

THIS IS THE PLAN REFERRED TO IN MY LETTER DATED: _____
 Registered Surveyor NSW
LTS LOCKLEY
 Registered Surveyors NSW
 www.lts.com.au

Client THE TRUSTEE FOR C14 UNIT TRUST
 Drawing title
PLAN OF DETAIL AND LEVELS OVER LOT 1 DP 127769, LOTS 11 & 12 DP 787611, LOT 2 DP 128544 AND LOT 6 DP 232929 AT 44 WHARF ROAD, MELROSE PARK

datum AHD
 site Area 16.25ha
 LGA PARRAMATTA
 project number 41367
 scale 1:1000 @A1
 OF 11 SHEETS
 reference number 42480DT
 date of survey 16/12/14
 SHEET 1

APPENDIX B

SYDNEY WATER INFRASTRUCTURE

- GENERAL NOTES:**
- SECTION 73 APPLICATION/FEASIBILITY APPLICATION REQUIRED.
 - SERVICES PROTECTION REPORT REQUIRED.
 - NO WORK/BUILDING NORMALLY PERMITTED OVER SEWER EASEMENT
 - EXISTING SYDNEY WATER EASEMENT ASSOCIATED WITH EXISTING @900 SYDNEY WATER SEWER.
 - EASEMENT VARIES IN WIDTH

MINIMUM CLEARANCES FOR LOCATING PIERS FOR OUT OF SCOPE BUILDING PLAN APPROVALS

Pipe size	Pipe type	Invert < 3.0m (Clearance from edge of pipe)	Invert 3.0m - 6.0m (Clearance from edge of pipe)	Invert > 6.0m (Clearance from edge of pipe)
DN 600 - DN 1200		900mm from edge or 4m easement AAR	900mm from edge or 4m easement AAR	AAR

STRUCTURE/FOOTINGS TO BE 2.0m APART FROM ACCESS CHAMBERS

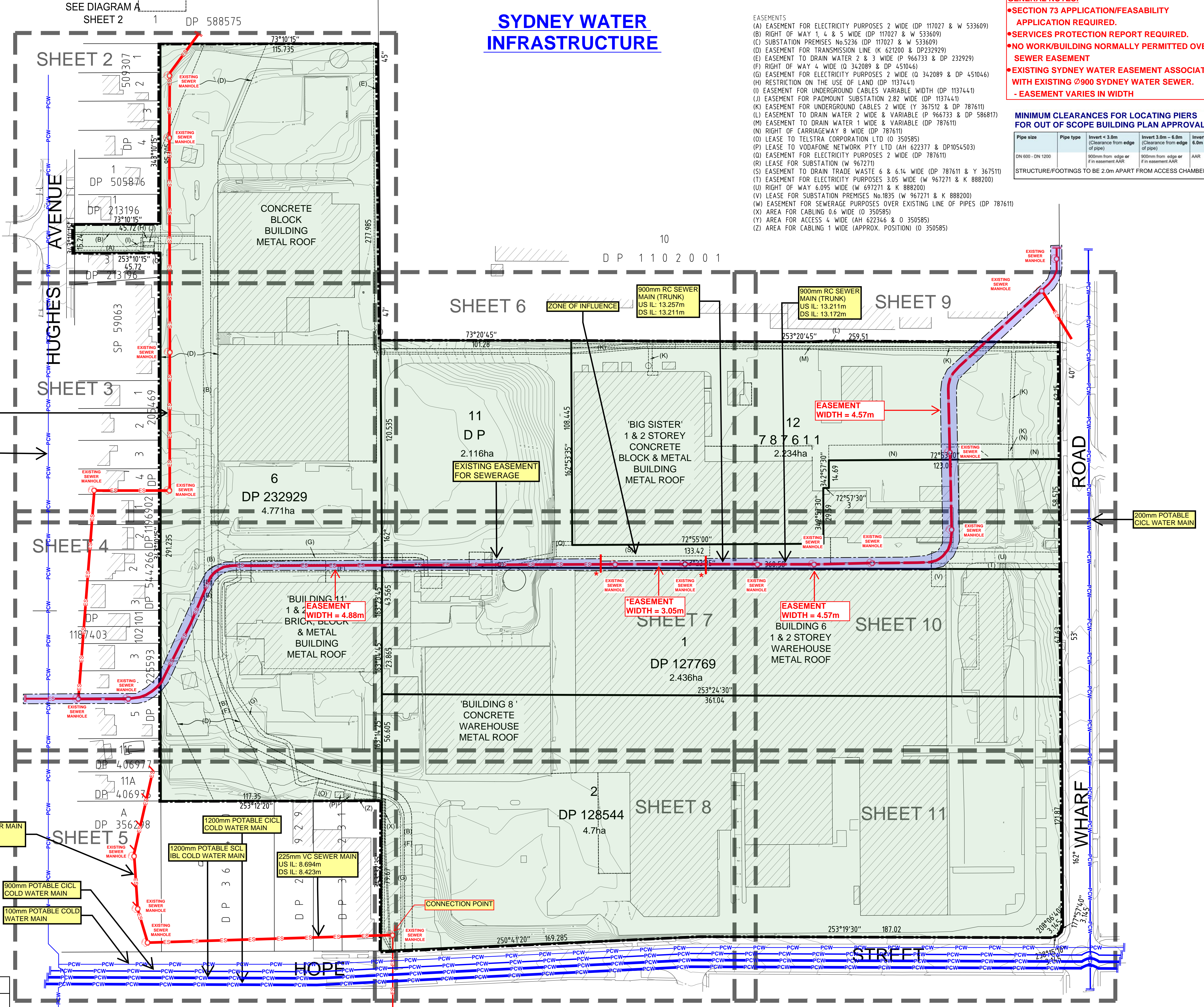
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LEGEND

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TELSTRA PIT	■ TEL
OPTUS PIT	■ OPTUS
TELSTRA PILLAR	■ TELPL
RADIO TOWER	○ RTW
ELECTRIC LIGHT POLE	● ELP
LIGHT POLE	● LP
POWER POLE	● PP
PIT WITH CONCRETE LID	□ CLID
PIT WITH METAL LID	□ MLID
STREET SIGN	■ SS
GRATED INLET PIT	■ GIP
KERB INLET PIT	■ KIP
SEWER INSPECTION POINT	○ SIP
SEWER MANHOLE	○ SMH
MANHOLE	○ MH
STOP VALVE	■ SV
HYDRANT	■ HYD
WATER METER	■ WM
WATER TAP	■ WAP
WATER VALVE	■ WVALVE
GAS LID	■ GAS
GAS MARKER	■ GASKMR
MONITORING WELL	○ MWELL
VEHICLE CROSSING	(VC)
PRAM CROSSING	(PC)
GAS	— G —
TELSTRA	— T —
WATER	— W —
STORMWATER	— SW —
SEWER	— S —
ELECTRICITY (OVERHEAD)	— P —
ELECTRICITY (U'GROUND)	— E —
HIGH PRESSURE OIL (U'GROUND)	— OIL —

- NOTES**
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Date:	16.10.2015	Project No:	150077
Project:	44 WHARF ROAD, MELROSE PARK		
Title:	5,000 APARTMENT OPTION - WATER		
Drawing No:	HSK-01	Revision:	1
Drawn:	SM/GR	Scale:	1:1000 @ A1



Revision	Date	Description	Reference
D	00/00/00	-	00
C	00/00/00	-	00
B	00/00/00	-	00
A	00/00/00	-	00

THIS IS THE PLAN REFERRED TO IN MY LETTER DATED:

Registered Surveyor NSW



Suite 1, Level 1
810 Pacific Highway
Gordon NSW 2072
Locked Bag 5
Gordon NSW 2072
P 1300 587 000
F 02 9499 7760

Client: THE TRUSTEE FOR C14 UNIT TRUST

Drawing title:
PLAN OF DETAIL AND LEVELS OVER LOT 1 DP 127769,
LOTS 11 & 12 DP 787611, LOT 2 DP 128544 AND LOT 6
DP 232929 AT 44 WHARF ROAD, MELROSE PARK

datum	AHD	project number	41367	reference number	41417DT
site Area	16.25ha	scale	1:1000 @A1	date of survey	16/12/14
LGA	PARRAMATTA	SHEET	11	SHEETS	1

SYDNEY WATER INFRASTRUCTURE

GENERAL NOTES:

SEWER

S01. SECTION 73 APPLICATION/FEASIBILITY APPLICATION REQUIRED.

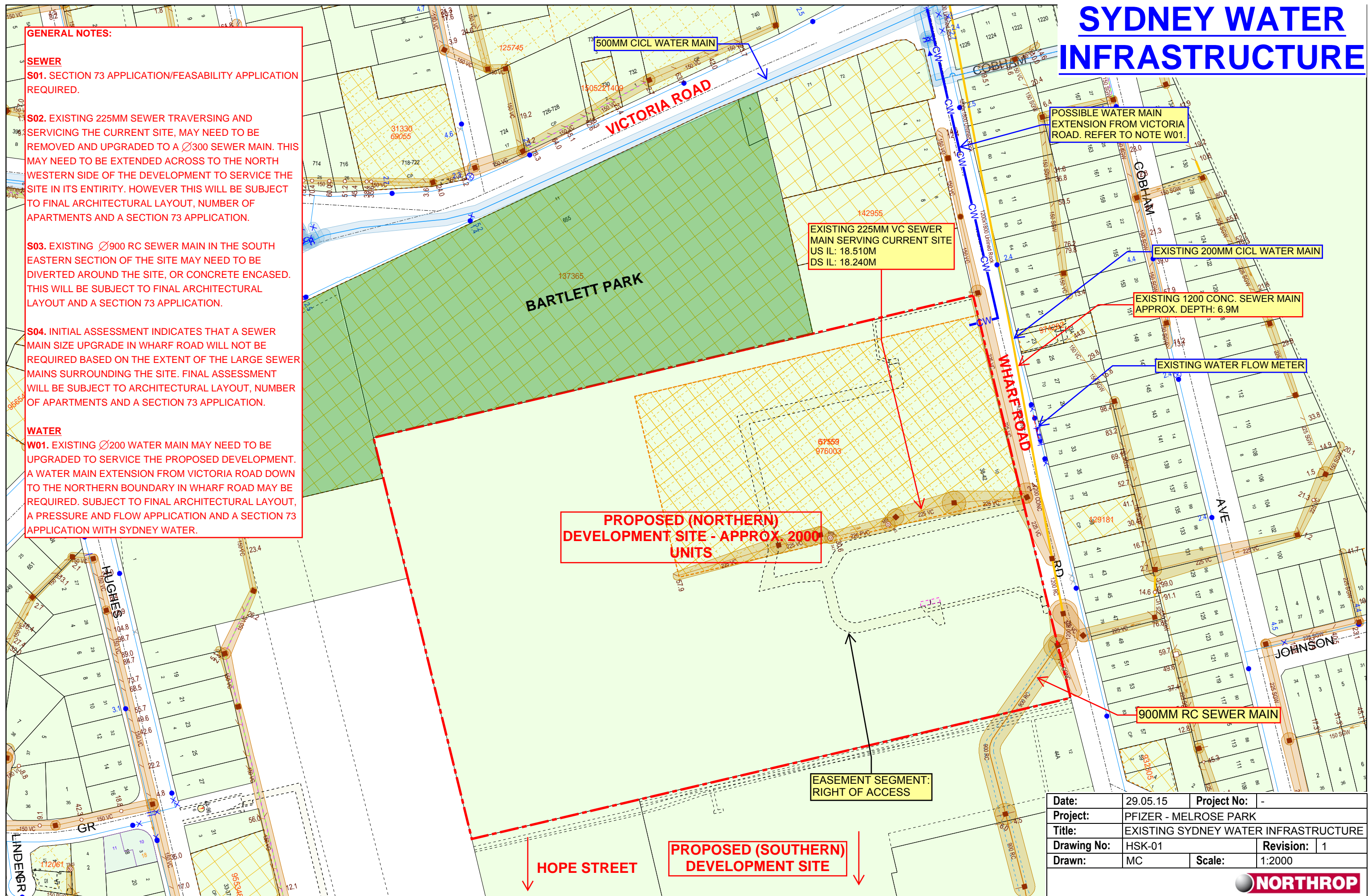
S02. EXISTING 225MM SEWER TRAVERSING AND SERVICING THE CURRENT SITE, MAY NEED TO BE REMOVED AND UPGRADED TO A Ø300 SEWER MAIN. THIS MAY NEED TO BE EXTENDED ACROSS TO THE NORTH WESTERN SIDE OF THE DEVELOPMENT TO SERVICE THE SITE IN ITS ENTIRITY. HOWEVER THIS WILL BE SUBJECT TO FINAL ARCHITECTURAL LAYOUT, NUMBER OF APARTMENTS AND A SECTION 73 APPLICATION.

S03. EXISTING Ø900 RC SEWER MAIN IN THE SOUTH EASTERN SECTION OF THE SITE MAY NEED TO BE DIVERTED AROUND THE SITE, OR CONCRETE ENCASED. THIS WILL BE SUBJECT TO FINAL ARCHITECTURAL LAYOUT AND A SECTION 73 APPLICATION.

S04. INITIAL ASSESSMENT INDICATES THAT A SEWER MAIN SIZE UPGRADE IN WHARF ROAD WILL NOT BE REQUIRED BASED ON THE EXTENT OF THE LARGE SEWER MAINS SURROUNDING THE SITE. FINAL ASSESSMENT WILL BE SUBJECT TO ARCHITECTURAL LAYOUT, NUMBER OF APARTMENTS AND A SECTION 73 APPLICATION.

WATER

W01. EXISTING Ø200 WATER MAIN MAY NEED TO BE UPGRADED TO SERVICE THE PROPOSED DEVELOPMENT. A WATER MAIN EXTENSION FROM VICTORIA ROAD DOWN TO THE NORTHERN BOUNDARY IN WHARF ROAD MAY BE REQUIRED. SUBJECT TO FINAL ARCHITECTURAL LAYOUT, A PRESSURE AND FLOW APPLICATION AND A SECTION 73 APPLICATION WITH SYDNEY WATER.



PROPOSED (NORTHERN) DEVELOPMENT SITE - APPROX. 2000 UNITS

PROPOSED (SOUTHERN) DEVELOPMENT SITE

POSSIBLE WATER MAIN EXTENSION FROM VICTORIA ROAD. REFER TO NOTE W01.

EXISTING 225MM VC SEWER MAIN SERVING CURRENT SITE
US IL: 18.510M
DS IL: 18.240M

EXISTING 200MM CI CL WATER MAIN

EXISTING 1200 CONC. SEWER MAIN
APPROX. DEPTH: 6.9M

EXISTING WATER FLOW METER

EASEMENT SEGMENT:
RIGHT OF ACCESS

900MM RC SEWER MAIN

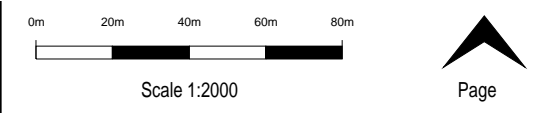
Date:	29.05.15	Project No:	-
Project:	PFIZER - MELROSE PARK		
Title:	EXISTING SYDNEY WATER INFRASTRUCTURE		
Drawing No:	HSK-01	Revision:	1
Drawn:	MC	Scale:	1:2000



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Not for distribution or sale.
Date of Production: 29/05/2015

Copyright Reserved Sydney Water 2015
No warranty is given that the information shown is complete or accurate.
SYDNEY WATER CORPORATION

Map:192 Grid:M16 Edition:Sydney UBD Edition 41



JEMENA NATURAL GAS INFRASTRUCTURE

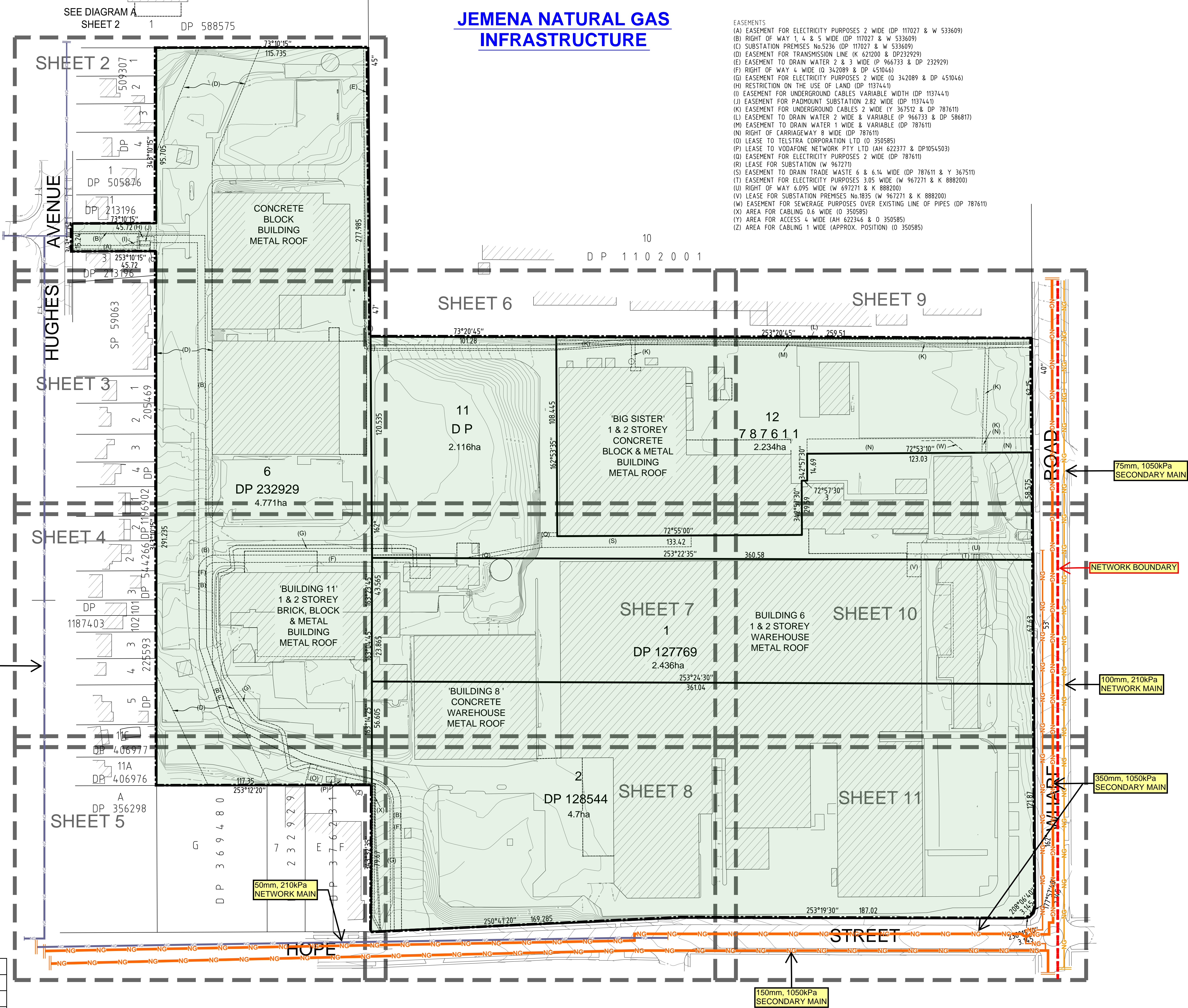
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 - (N) RIGHT OF CARRIAGEWAY 8 WIDE (DP 787611)
 - (O) LEASE TO TELSTRA CORPORATION LTD (O 350585)
 - (P) LEASE TO VODAFONE NETWORK PTY LTD (AH 622377 & DP1054503)
 - (Q) EASEMENT FOR ELECTRICITY PURPOSES 2 WIDE (DP 787611)
 - (R) LEASE FOR SUBSTATION (W 967271)
 - (S) EASEMENT TO DRAIN TRADE WASTE 6 & 6.14 WIDE (DP 787611 & Y 367511)
 - (T) EASEMENT FOR ELECTRICITY PURPOSES 3.05 WIDE (W 967271 & K 888200)
 - (U) RIGHT OF WAY 6.095 WIDE (W 697271 & K 888200)
 - (V) LEASE FOR SUBSTATION PREMISES No.1835 (W 967271 & K 888200)
 - (W) EASEMENT FOR SEWERAGE PURPOSES OVER EXISTING LINE OF PIPES (DP 787611)
 - (X) AREA FOR CABLING 0.6 WIDE (O 350585)
 - (Y) AREA FOR ACCESS 4 WIDE (AH 622346 & O 350585)
 - (Z) AREA FOR CABLING 1 WIDE (APPROX. POSITION) (O 350585)

LEGEND

BENCH MARK	▲
COMMS PIT	■ COM
TELSTRA PIT	■ TEL
OPTUS PIT	■ OPTUS
TELSTRA PILLAR	■ TELPL
RADIO TOWER	○ RTW
ELECTRIC LIGHT POLE	● ELP
LIGHT POLE	● LP
POWER POLE	● PP
PIT WITH CONCRETE LID	□ CLID
PIT WITH METAL LID	□ MLID
STREET SIGN	■ SS
GRATED INLET PIT	■ GIP
KERB INLET PIT	■ KIP
SEWER INSPECTION POINT	○ SIP
SEWER MANHOLE	○ SMH
MANHOLE	○ MH
STOP VALVE	■ SV
HYDRANT	■ HYD
WATER METER	■ WM
WATER TAP	■ TAP
WATER VALVE	■ WVALVE
GAS LID	■ GAS
GAS MARKER	■ GASMKR
MONITORING WELL	○ MWELL
VEHICLE CROSSING	(VC)
PRAM CROSSING	(PC)
GAS	G
TELSTRA	T
WATER	W
STORMWATER	SW
SEWER	S
ELECTRICITY (OVERHEAD)	P
ELECTRICITY (U'GROUND)	E
HIGH PRESSURE OIL (U'GROUND)	OIL

NOTES

- THE BOUNDARIES HAVE NOT BEEN MARKED
- ALL AREAS AND DIMENSIONS HAVE BEEN COMPILED FROM PLANS MADE AVAILABLE BY THE OFFICE OF LAND & PROPERTY INFORMATION (NSW) AND ARE SUBJECT TO FINAL SURVEY
- ORIGIN OF LEVELS ON A.H.D. IS TAKEN FROM SSM 108450 R.L. 26.386 (A.H.D.) IN WHARF ROAD
- CONTOUR INTERVAL 0.5 m
- CONTOURS ARE INDICATIVE ONLY. ONLY SPOT LEVELS SHOULD BE USED FOR CALCULATIONS OF QUANTITIES WITH CAUTION
- ONLY SPOT LEVELS SHOULD BE USED FOR CALCULATIONS OF QUANTITIES WITH CAUTION
- KERB LEVELS ARE TO THE TOP OF KERB UNLESS SHOWN OTHERWISE
- FLOOR LEVELS SHOWN ARE THRESHOLD LEVELS. NO INVESTIGATION OF INTERNAL FLOOR LEVELS HAS BEEN UNDERTAKEN
- NO INVESTIGATION OF UNDERGROUND SERVICES HAS BEEN MADE. SERVICES HAVE BEEN PLOTTED FROM RELEVANT AUTHORITIES INFORMATION AND HAVE NOT BEEN SURVEYED. ALL RELEVANT AUTHORITIES SHOULD BE NOTIFIED PRIOR TO ANY EXCAVATION ON OR NEAR THE



Date:	16.10.2015	Project No:	150077
Project:	44 WHARF ROAD, MELROSE PARK		
Title:	5,000 APARTMENT OPTION - NATURAL GAS		
Drawing No:	HSK-02	Revision:	1
Drawn:	SM/GR	Scale:	1:1000 @ A1

NORTHROP

D	00/00/00	-	00	THIS IS THE PLAN REFERRED TO IN MY LETTER DATED:
C	00/00/00	-	00	
B	00/00/00	-	00	
A	00/00/00	-	00	
Revision	Date	Description	Reference	Registered Surveyor NSW

LTS
LOCKLEY
Registered Surveyors NSW
www.lts.com.au

Suite 1, Level 1
810 Pacific Highway
Gordon NSW 2072
Locked Bag 5
Gordon NSW 2072
P 1300 587 000
F 02 9499 7760

Client: THE TRUSTEE FOR C14 UNIT TRUST
Drawing title:
PLAN OF DETAIL AND LEVELS OVER LOT 1 DP 127769,
LOTS 11 & 12 DP 787611, LOT 2 DP 128544 AND LOT 6
DP 232929 AT 44 WHARF ROAD, MELROSE PARK

datum AHD
site Area 16.25ha
LGA PARRAMATTA

project number 41367
scale 1:1000 @A1
OF 11 SHEETS

reference number 41417DT
date of survey 16/12/14

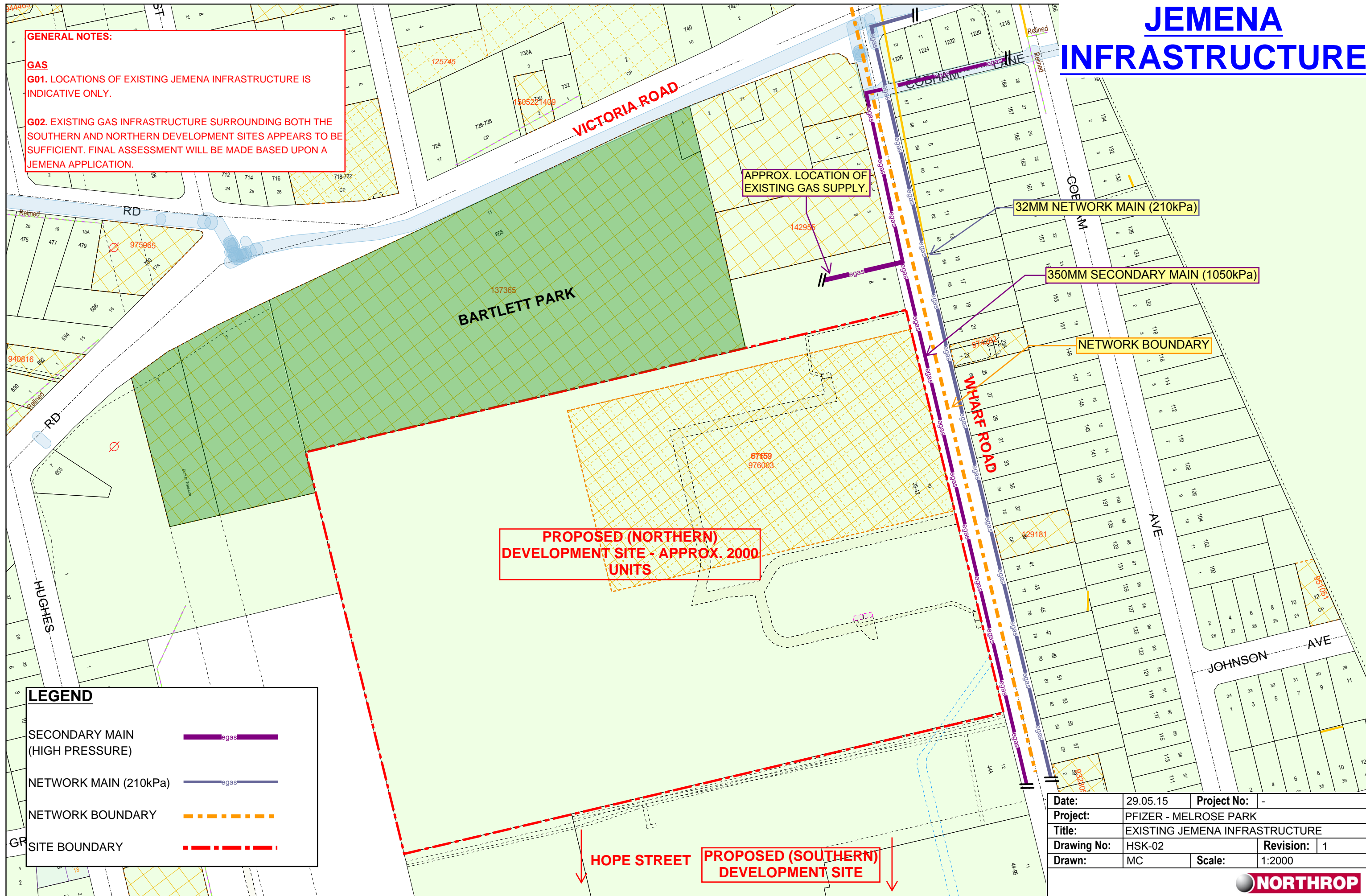
JEMENA INFRASTRUCTURE

GENERAL NOTES:

GAS

G01. LOCATIONS OF EXISTING JEMENA INFRASTRUCTURE IS INDICATIVE ONLY.

G02. EXISTING GAS INFRASTRUCTURE SURROUNDING BOTH THE SOUTHERN AND NORTHERN DEVELOPMENT SITES APPEARS TO BE SUFFICIENT. FINAL ASSESSMENT WILL BE MADE BASED UPON A JEMENA APPLICATION.



LEGEND

- SECONDARY MAIN (HIGH PRESSURE)
- NETWORK MAIN (210kPa)
- NETWORK BOUNDARY
- SITE BOUNDARY

Date:	29.05.15	Project No:	-
Project:	PFIZER - MELROSE PARK		
Title:	EXISTING JEMENA INFRASTRUCTURE		
Drawing No:	HSK-02	Revision:	1
Drawn:	MC	Scale:	1:2000



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Date of Production: 29/05/2015

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SYDNEY WATER CORPORATION

Map:192 Grid:M16 Edition:Sydney UBD Edition 41

