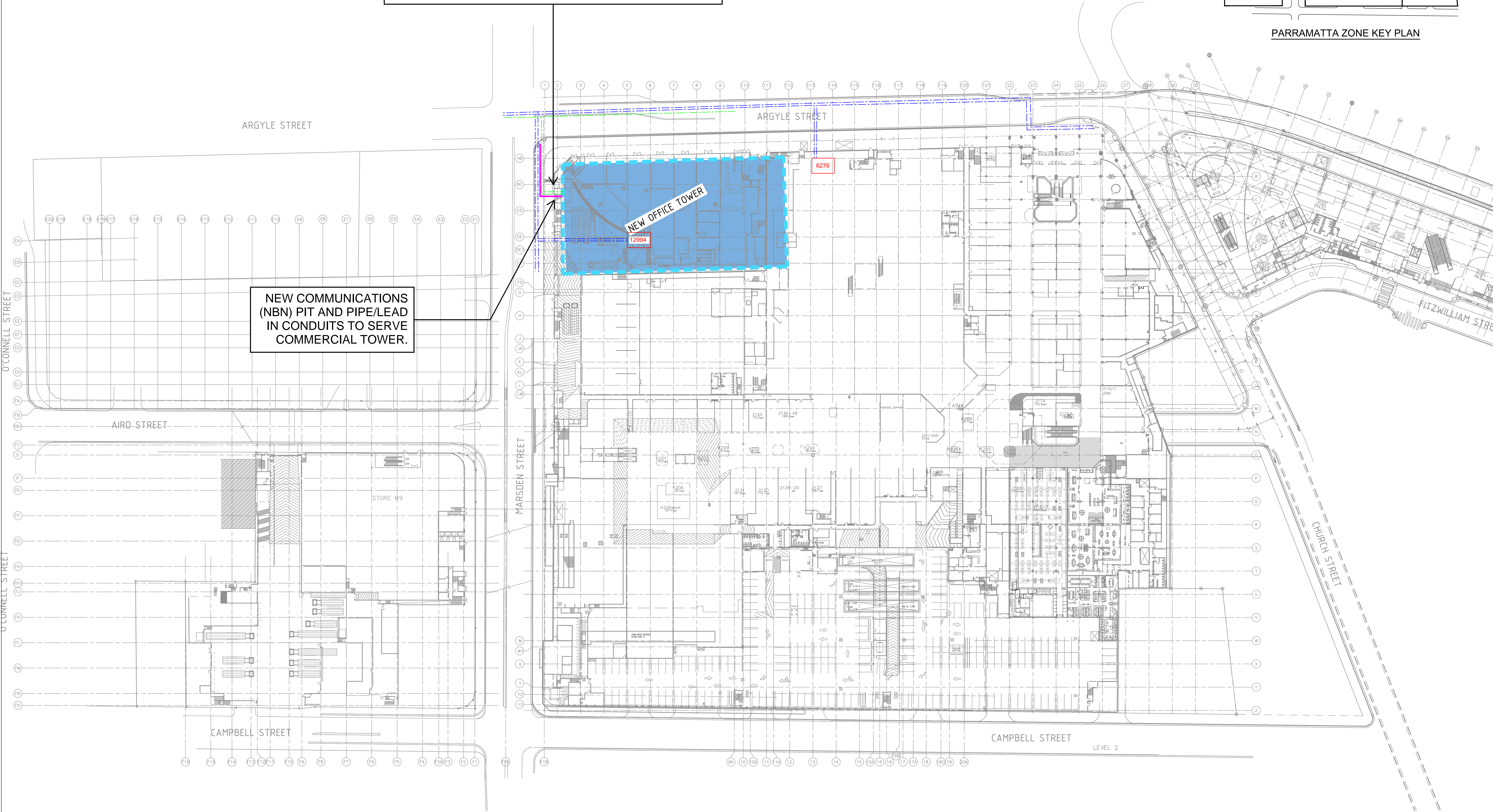
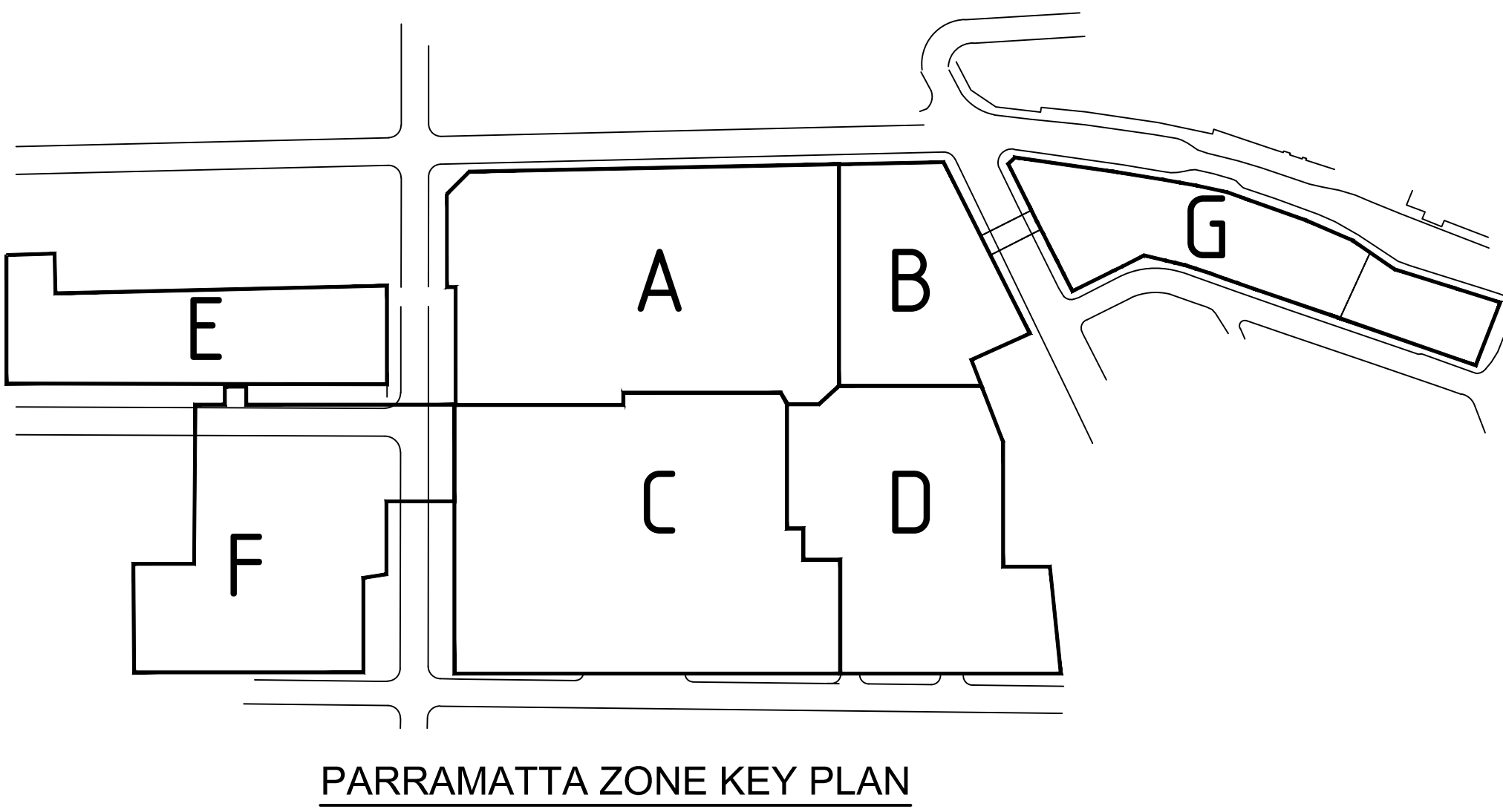


LEGEND

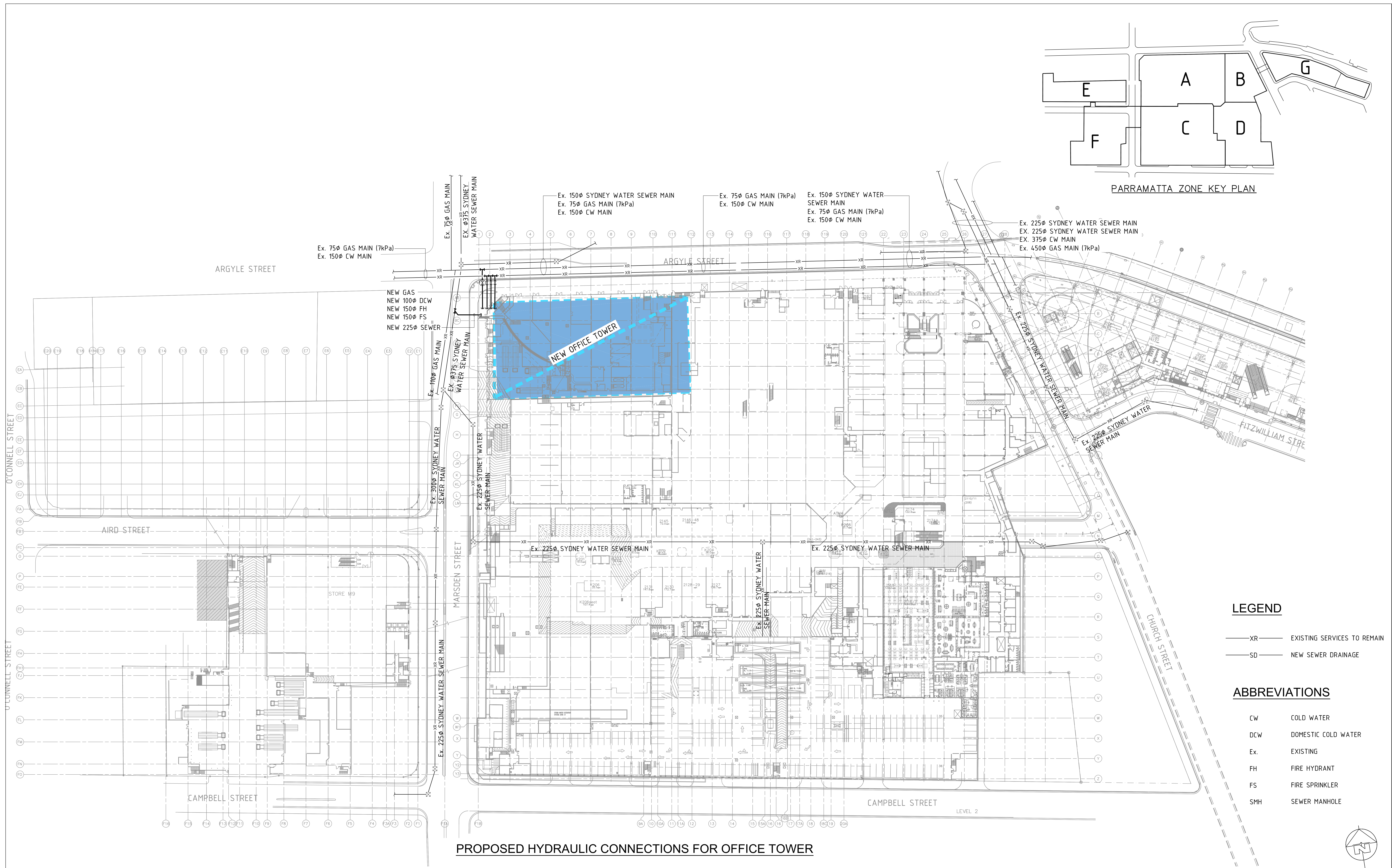
- EXISTING HV CABLING
- NEW PROPOSED HV CABLING
- NEW PROPOSED TELECOMS PIT AND PIPE

EXISTING HV SUPPLY FROM WEST PARRAMATTA ZONE SUBSTATION CURRENTLY SERVING SUB 6276 & 12994. MAY REQUIRE HV AUGMENTATION FOR ADDITIONAL POWER SUPPLY TO PROPOSED COMMERCIAL TOWER.

THIS WILL INVOLVE A NEW HV FEEDER CONNECTION FROM THE ZONE SUB OR AUGMENTATION FROM EXISTING HV FEEDERS IN ARGYLE ST OR ADJACENT ROADWAYS.







WESTFIELD PARRAMATTA

MODIFICATION 1 TO APPROVED CONCEPT PLAN MP10\_0068  
(Commercial Tower Envelope)

HYDRAULIC SERVICES INFRASTRUCTURE - SITE PLAN

SCHEME: PA-2020-SCH21

DATE: June 2020

SCALE: 1:500 @ A0

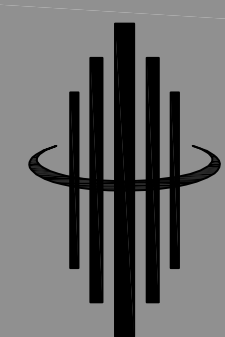
JOB NO: D6727

DWG NO: SDC-HYD-H01

REV:A

SCENTRE GROUP

Owner and Operator of **Westfield** in Australia and New Zealand



GIC



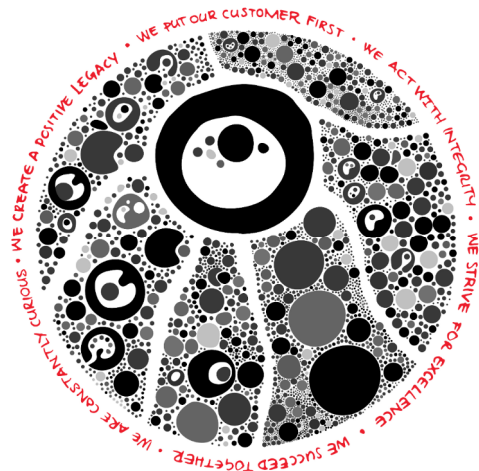
# SCENTRE GROUP



## WESTFIELD PARRAMATTA OFFICE TOWER D6727 HYDRAULIC & ELECTRICAL SERVICES MEMORANDUM

People Protecting People 

*Creating extraordinary places,  
connecting and enriching communi*





## DOCUMENT HISTORY

Revision	Date	Filename	D6727-SDC-PAR-ENS-MEM-001-A-WESTFIELD PARRAMATTA OFFICE TOWER-Hydraulic & Electrical Services Memo		
A	10.07.2020	Description	Issued to Department of Planning NSW		
			Prepared by	Checked by	Approved by
		Name	Natalia Semenova	Neel Mistry	Matthew Preece
		Date	10.07.2020	10.07.2020	10.07.2020
Revision	Date	Filename			
TBC		Description			
			Prepared by	Checked by	Approved by
		Name			
		Date			
Revision	Date	Filename			
TBC		Description			
			Prepared by	Checked by	Approved by
		Name			
		Date			
Revision	Date	Filename			
TBC		Description			
			Prepared by	Checked by	Approved by
		Name			
		Date			



# 1 BACKGROUND INFORMATION

This memo is in relation to the attached 'Infrastructure Concept Plan Drawings' for the proposed Section 75W Modification (MOD1) to the Approved Commercial Tower Building Envelope Concept (Major Project MP10\_0068 Westfield Shopping Centre, Parramatta).

Infrastructure Concept Plan Drawings:

- **D6727-SDC-HYD-H01** - Hydraulic services indicating Sewer, Water, Fire Services and Gas supply to the proposed office tower.
- **D6727-SDC-ELE-E01** - Electrical services indicating High Voltage and Communications supply to the proposed office tower.

The proposed Section 75W modification proposes relocation of the commercial tower to the corner of Argyle and Marsden Streets, above the existing retail podium, providing a larger floor plate and taller building, extending the height to approximately 220 metres above ground. At this stage the architectural design of the office tower has not yet been finalised.

# 2 PROPOSED WORKS / RECOMMENDATIONS

The concept plans include the following general future provision for Hydraulic and Electrical infrastructure to service the office tower:

## 2.1 Sewer

Sewer connection is proposed from the nearest available 375mm Sydney Water sewer main in Marsden Street. A new side line sewer connection proposed to be 225mm diameter, to provide a connection of suitable capacity for the office tower.

## 2.2 Water

Water connections are proposed to the existing Sydney Water watermain in the Argyle Street footpath adjacent to the proposed office tower location. Connections will supply domestic cold water (100mm diameter connection) and the fire services consisting of 150mm connections for Fire Hydrants and Fire Sprinklers.

Note that the final servicing arrangements will be confirmed upon receipt of a Sydney Water Section 73 Subdivider/Developer Notice of Requirements after a formal application once planning approval has been obtained.

## 2.3 Gas

Gas services are provided to the existing centre by several connections from the Jemena Gas Network in the streets adjacent to the Westfield Parramatta site.

Gas will be supplied to the office tower with a new connection to the existing 7kPa gas main located in the footpath in Argyle Street. Scentre Design & Construction have notified Jemena of this proposal via correspondence on the 20<sup>th</sup> April 2018.

## 2.4 Electrical

The existing shopping centre is serviced by nine substations located in the Westfield Parramatta shopping centre footprint (all owned and maintained by Endeavour Energy). The existing commercial building is also supplied from one of these substations.

The proposed new office tower would require additional electrical substations on site. Endeavour Energy have advised the new electrical demand from the extension would be met by supply from the West Parramatta Zone Substation.



## **2.5 Telecommunications**

The telecommunication service is provided to the existing centre by means of copper and fibre optic service from Telstra's network in the streets.

The new office tower will be serviced by NBNCo via their broadband fibre optic network.

As mentioned above as the architectural design for the office tower has not yet been finalised detailed assessments of capacity cannot be finalised, nor the formal applications can be submitted to establish the exact servicing requirements from the authorities until these are determined.

## **3 REFERENCES**

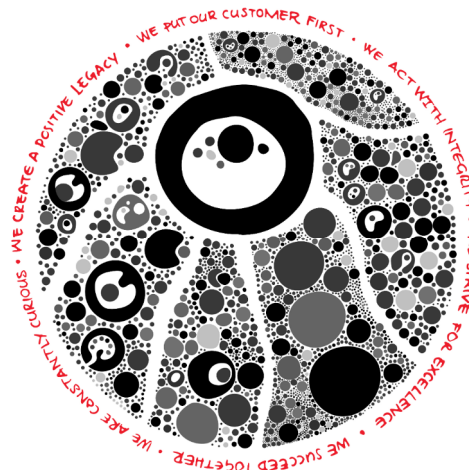
- D6727-SDC-HYD-H01 - HYDRAULIC SERVICES INFRASTRUCTURE CONCEPT PLAN
- D6727-SDC-ELE-E01 - ELECTRICAL SERVICES INFRASTRUCTURE CONCEPT PLAN

SCENTRE GROUP



**WESTFIELD PARRAMATTA  
OFFICE TOWER  
D6727  
STORMWATER SERVICES  
MEMORANDUM**

People Protecting People



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connecting and enriching communities.*



## DOCUMENT HISTORY

Revision	Date	Filename	D6727-SDC-PAR-ENS-MEM-002-A-WESTFIELD PARRAMATTA OFFICE TOWER-Stormwater Services Memo		
A	10.07.2020	Description	Issued to Department of Planning NSW		
			Prepared by	Checked by	Approved by
		Name	Natalia Semenova	Neel Mistry	Matthew Preece
		Date	10.07.2020	10.07.2020	10.07.2020
Revision	Date	Filename			
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TBC		Description			
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Revision	Date	Filename			
TBC		Description			
			Prepared by	Checked by	Approved by
		Name			
		Date			

## 1 BACKGROUND INFORMATION





This memo is in relation to the attached 'Stormwater Management Concept Plan Drawing' (HCSW01) for the proposed Section 75W Modification (MOD1) to the Approved Commercial Tower Building Envelope Concept (Major Project MP10\_0068 Westfield Shopping Centre, Parramatta).

The proposed Section 75W modification propose relocation of the commercial tower to the corner of Argyle and Marsden Streets, above the existing retail podium, providing a larger floor plate and taller building, extending the height to approximately 220 metres above ground. At this stage the architectural design of the office tower has not yet been finalised.

The concept plans include potential for future provision of a landscaped rooftop terrace on the level 6 carpark (below the tower) with space for cafes, outdoor dining and the like. There is also potential for a ground level commercial tower lobby and reconfigured retail tenancies along Argyle Street. The proposal includes upgrades to the external façade along Argyle Street and Church Street.

## **2 PROPOSED WORKS / RECOMMENDATIONS**

The 'Stormwater Management Concept Plan' indicates that as the proposal is a relocation within the footprint of the existing shopping centre the catchment area remains unaltered. The entire site is already serviced with existing on-site detention systems, OSD's (as listed under Note 2 on drawing HCSW01). Stormwater drainage from the commercial tower will be directed to the existing internal on-site detention tanks.

Therefore, the proposed commercial development will not represent any increase upon the existing site stormwater permitted site discharge, PSD, to the council system.

## **3 REFERENCE**

- HCSW01 - STORMWATER MANAGEMENT CONCEPT PLAN DRAWING



NOTES

1.- PROJECT DESCRIPTION.

THE PROPOSED WORK ESSENTIALLY COMPRISE  
INTERNAL/VERTICAL EXTENSION AND ALTERATION.  
THE PROPOSED NEW WORK INCLUDE:

- LEVEL 6 NEW RETAIL AREA
- NEW CARPARK LEVEL
- NEW ROOF
- NEW OFFICE TOWER

ALL OF THESE WORKS REPRESENT (PROPOSED) NO ADDITIONAL  
INCREASE FLOOR AREA.

2.- EXISTING STW DRAINAGE.

THE EXISTING SWD COMPOSE A NUMBER OF INTERNAL  
STORMWATER DRAINAGE POINTS, INCLUDING ROOF DRAINAGE,  
DRAINING TO THE A NUMBER OF EXISTING STORMWATER OSD  
TANKS.

THE EXISTING STW OSD ARE GENERALLY AS FOLLOW:

- OSD ZONE A 181,180LTS EFFECTIVE CAPACITY
- OSD ZONE C1 110,480LTS EFFECTIVE CAPACITY
- OSD ZONE C2 195,156LTS EFFECTIVE CAPACITY
- OSD ZONE D 95,570LTS EFFECTIVE CAPACITY
- OSD ZONE E 320,240LTS EFFECTIVE CAPACITY
- OSD ZONE F 488,000LTS EFFECTIVE CAPACITY

ALL OF THE ABOVE HAVE BEEN DESIGNED IN ACCORDANCE WITH  
THE UPPER PARRAMATTA RIVER CATCHMENT TRUST AS SHOWN  
ON THE ATTACHED DRAWING No. HCSW08

3.- PROPOSED.

ALL EXISTING DP's WILL BE EXTENDED TO RECEIVE THE  
STORMWATER FROM ALL NEW ROOF AND IMPERVIOUS AREAS AND  
WILL NOT AFFECT THE CURRENT PSD.

IN ADDITION TO THE ABOVE THE PROPOSED STW SYSTEM WILL  
INCLUDE:

- 50,000LTS OF RAINWATER HARVESTING FOR TOILET FLUSHING.

4.- SUMMARY.

THE PROPOSED DEVELOPMENT WILL NOT REPRESENT INCREASE ON  
THE SITE STW PSD TO THE COUNCIL SYSTEM.

