

Last Saved: 7/08/2025 10:50:59 AM By: DANIEL YOUNG
 Last Plotted: 7/08/2025 12:40:34 PM By: DANIEL YOUNG

LEGEND

- SITE BOUNDARY
- EXISTING

76

2

SECTION NUMBER
- BLOCK NUMBER
- BLOCK BOUNDARY
- 649

MAJOR CONTOURS
- MINOR CONTOURS
- WATER MAIN, HYDRANT,
STOP VALVE WATER METER
- SEWER MAIN, MANHOLE
- STORMWATER MAIN,
MANHOLE, SUMP
- GAS MAIN
- ELECTRICAL SERVICE
UNDERGROUND
- ELECTRICAL HIGH VOLTAGE
UNDERGROUND
- ELECTRICAL LOW VOLTAGE
UNDERGROUND
- STREETLIGHT, POLE
- TELSTRA
- OPTUS, PIT
- AAPT
- TPG
- NBN

DESIGN

BLOCK BOUNDARY

STORMWATER MAIN, SUMP,
MANHOLE ENDCAP

STORMWATER MAIN, SUMP,
MANHOLE ENDCAP

STORMWATER MAIN, SUMP,
MANHOLE ENDCAP

BUILDINGS

DRIVEWAY

DESIGN TREE

GENERAL NOTES

1.

ALL WORK SHALL BE IN ACCORDANCE WITH THE TCCS MUNICIPAL INFRASTRUCTURE DESIGN STANDARDS & SPECIFICATIONS.
2.

ALL WORK ON ICON WATER SUPPLY AND SEWER MAINS TO COMPLY WITH WSA 02 GRAVITY SEWERAGE CODE OF AUSTRALIA AND WSA 03 WATER SUPPLY CODE OF AUSTRALIA AS AMENDED BY ICON WATER IN SUPPLEMENTS SPE-G-001 AND 012 RESPECTIVELY. IN ADDITION, ALL WORKS MUST BE COMPLIANT WITH TECHNICAL SPECIFICATIONS ISSUED BY ICON WATER.
3.

EXISTING SERVICES HAVE BEEN PLOTTED FROM SUPPLIED DATA. THE PRINCIPAL DOES NOT GUARANTEE THE ACCURACY OF THIS INFORMATION AND IT IS THE CONTRACTORS RESPONSIBILITY TO ESTABLISH THE LOCATION OF ALL EXISTING SERVICES PRIOR TO COMMENCING WORK. CLEARANCES SHALL BE OBTAINED FROM THE RELEVANT SERVICE AUTHORITIES.
4.

PRIOR TO COMMENCING CONSTRUCTION, THE CONTRACTOR SHALL CONFIRM THE POSITION AND LEVEL OF ALL EXISTING SERVICE CONNECTION POINTS AND NOTIFY THE SUPERINTENDENT IMMEDIATELY IF A DISCREPANCY IS FOUND.
5.

ALL SURVEY SET-OUT SHALL BE UNDERTAKEN BY A REGISTERED SURVEYOR.
6.

ALL EXISTING AND FINISHED SURFACE LEVELS ARE TO THE AUSTRALIAN HEIGHT DATUM (AHD 71).
7.

CARE IS TO BE TAKEN WHEN EXCAVATING NEAR EVO ENERGY CABLES. NO MECHANICAL EXCAVATION IS TO BE UNDERTAKEN OVER EVO ENERGY CABLES. HAND EXCAVATE IN THESE AREAS ONLY.
8.

WHERE NEW WORK ABUTS EXISTING WORK THE CONTRACTOR SHALL ENSURE THAT A SMOOTH EVEN PROFILE, FREE FROM ABRUPT CHANGES IS OBTAINED.
9.

ALL EARTHWORKS, BATTERS AND TRENCH LINES TO BE TOPSOILED WITH 100mm SITE TOPSOIL, TEMPORARY GRASSED & BITUMEN STRAW MULCHED.
10.

THE CONTRACTOR SHALL NOT DISTURB ANY EXISTING BENCH MARKS WITHOUT ACT SURVEY OFFICE APPROVAL IN WRITING.
11.

CONNECTION OF NEW STORMWATER PIPES TO EXISTING PIPES AND MANHOLES IS TO BE UNDERTAKEN BY THE CONTRACTOR.
12.

THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF ALL TEMPORARY SUPPORT OF EXISTING SERVICES DURING EXCAVATION OF TRENCHES TO THE SATISFACTION OF THE SERVICE OWNER/AUTHORITY.
13.

WHERE SERVICES CROSS EXISTING ROADS THE PAVEMENT IS TO BE SAWCUT 300mm WIDER THAN THE REQUIRED TRENCH EXCAVATION AND THE FINISHED SURFACE REINSTATED WITH ASPHALTIC CONCRETE.
14.

DESIGN LENGTHS FOR STORMWATER & SEWER PIPELINES ARE MEASURED FROM THE CENTRE OF THE MAINTENANCE HOLES AND/OR SUMP. AS CONSTRUCTED LENGTHS ARE MEASURED FROM THE INSIDE FACE OF THE MAINTENANCE HOLE/SUMP.
15.

NOMINATED MAINTENANCE HOLE/SUMP LOCATIONS REFER TO CENTRE OF MAINTENANCE HOLE/SUMP.
16.

COVER LEVELS GIVEN ARE TO BE USED AS A GUIDE ONLY. ACTUAL LEVELS TO BE DETERMINED ON SITE.
17.

CARE TO BE TAKEN WHEN EXCAVATING SO THAT EXISTING SERVICES ARE NOT DAMAGED.
18.

THIS PLAN IS FOR DA PURPOSE ONLY AND WILL BE FINALISED AT BA STAGE.

STORMWATER NOTES

1.

CONNECTION OF NEW STORMWATER PIPES TO EXISTING PIPES AND MANHOLES IS TO BE UNDERTAKEN BY THE CONTRACTOR.
2.

STORMWATER SERVICE TIES ARE TO BE RRJ SLOPE JUNCTIONS, UNLESS CONNECTED INTO A MH OR SUMP.
3.

ALL STORMWATER PIPES UNDER ROADS SHALL BE CLASS 4 UNO.
4.

STORMWATER PIPES ARE TO ENTER PITS WALLS ALONG A SINGLE FACE, NO 'BIRD MOUTHING', UNO.

SEWER NOTES

1.

CONNECTION OF NEW SEWER PIPES TO EXISTING PIPES AND MANHOLES IS TO BE UNDERTAKEN BY ICON WATER AT THE CONTRACTOR'S EXPENSE.
2.

ALL SEWER MAINS SHALL BE PVC CLASS SN8 RRJ UNO. FOR SEWER TIES THE CLASS OF PIPE SHALL BE SN10 SOLID UNO.
3.

WHERE CURVED SEWER IS REQUIRED, PIPE SHALL BE SOLVENT WELDED AS PER SECTION 2.5 OF ICON SEWER STANDARDS, MINIMUM RADIUS OF 50m
4.

SEWER MAINTENANCE HOLES ARE SET OUT AT THE JUNCTION OF THE INTERSECTING LINES, OFFSETS ARE TO BE IN ACCORDANCE WITH ICON WATER STANDARD DRAWING SD-2208-C UNO.
5.

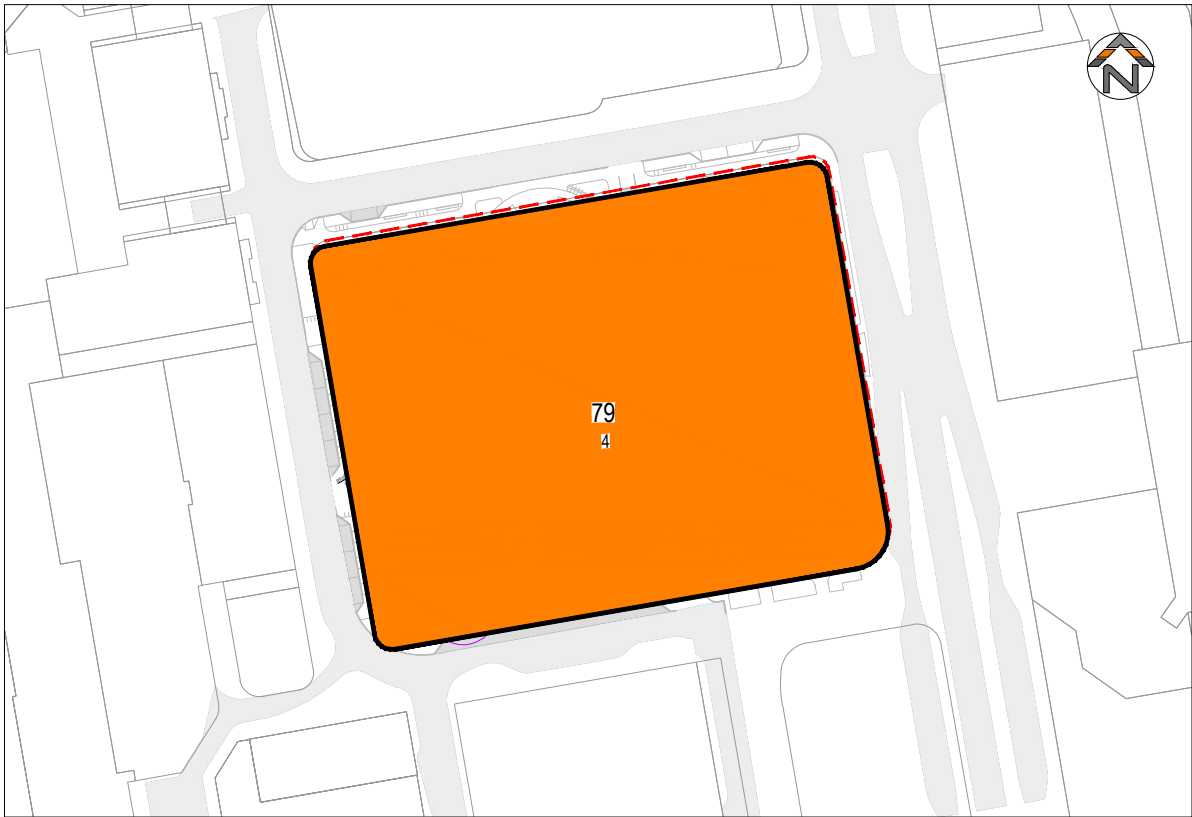
SEWER TIES SHALL HAVE A MAXIMUM DEPTH OF 1.5m.
6.

SEWER TIES SHALL HAVE A MINIMM GRADE OF 2%.
13.

WHERE THE SEWER IS AT THE MINIMUM VERTICAL CLEARANCE BELOW THE WATER MAIN (500mm) MAINTAIN A MINIMUM HORIZONTAL CLEARANCE OF 1000mm. THIS MINIMUM HORIZONTAL CLEARANCE CAN BE PROGRESSIVELY REDUCED TO 600mm AS THE VERTICAL CLEARANCE INCREASES TO 750mm.
14.

CLASS D COVER MUST BE USED ON MANHOLES WITHIN A LIKELIHOOD OF VEHICLE TRAFFIC (EXAMPLE NARROW LANE ROAD, WITH OR WITHOUT KERBS)
15.

TIE LOCATION AT LOW POINT WAS CHECKED AND COMPLIES WITH AS3500.2 REQUIREMENTS FOR SERVICING THE SITE BY GRAVITY.



LOCALITY PLAN

1:1000 m

WATER NOTES

1.

CONNECTION OF NEW WATER MAINS TO EXISTING IS TO BE UNDERTAKEN BY ICON WATER AT THE CONTRACTOR'S EXPENSE.
2.

WATER MAIN MATERIALS SHALL BE PVC-O PIPE, PN16 UNO. ALL MATERIALS SHALL COMPLY WITH AS4765-2007 AND ARE TO COMPLY WITH ICON WATERS APPROVED PRODUCT LIST.
3.

WATER SERVICE TIES SHALL BE 25DIA HDPE. LENGTHS OVER 16m SHALL BE 32mm DIA UNLESS OTHERWISE NOTED.
4.

ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH ICON WATER STD-SPE-G-012 SUPPLEMENT TO WSA 03-2011-3.1
5.

INSTALL FIRE HYDRANT MARKERS IN ACCORDANCE WITH ICON WATER STANDARD DRG SD-1332-D FOR ALL HYDRANTS.
6.

THRUST BLOCKS SHALL BE CONSTRUCTED WHERE REQUIRED IN ACCORDANCE WITH ICON WATER STANDARD DRG SD-5002-D.
7.

STOP COCKS TO BE INSTALLED AT EACH CONNECTION POINT TO THE WATER MAIN FOR EACH SERVICE TIE.
8.

ALL WATER MAIN SERVICE CONNECTIONS TO USE PRE TAP CONNECTORS, AS APPROVED BY ICON WATER.
9.

NOMINATED MAINTENANCE HOLE/SUMP LOCATIONS REFER TO CENTRE OF MAINTENANCE HOLE/SUMP UNLESS NOTED OTHERWISE.
10.

A MAXIMUM DEFLECTION OF 1° IS ALLOWABLE AT RRJ PIPE FOR WATERMAINS.
11.

A MAXIMUM DEFLECTION OF 1° IS ALLOWABLE AT PIPE CONNECTIONS TO SOCKETED BENDS, TEES AND READY TAP CONNECTORS.
12.

SLUICE VALVES WHERE ADJACENT TO TEES, SHALL BE FLANGED TO THE TEE. SLUICE VALVE SHALL BE LOCATED BEHIND KERBS.
13.

WHERE THE SEWER IS AT THE MINIMUM VERTICAL CLEARANCE BELOW THE WATER MAIN (500mm) MAINTAIN A MINIMUM HORIZONTAL CLEARANCE OF 1000mm. THIS MINIMUM HORIZONTAL CLEARANCE CAN BE PROGRESSIVELY REDUCED TO 600mm AS THE VERTICAL CLEARANCE INCREASES TO 750mm.
14.

ALL PROPOSED STAGE CONNECTIONS TO BE PRESSURE PLATE CONNECTION DETAIL UNLESS NOTED OTHERWISE.
15.

ALL 6° BENDS TO HAVE A THRUST BLOCK, ANCHOR BLOCK SIZE EQUIVALENT TO AN 11.25° BEND.

REV.	DESCRIPTION	DRAWN	DESIGNED	VERIFIED	APPROVED	DATE
A	FOR DA	DY	JP	JP	AN	2025.08.07

ARCHITECT / BUILDING DESIGNER

METIER

METIER 3 PTY LIMITED ARCHITECT

DEVELOPER

CLIENT

URBN

DG

INDESCO

INDESCO PTY LTD

www.indesco.com.au

ABN: 37 008 581 066

PROJECT TITLE

PHILLIP SECTION 7
BLOCK 4

CLIENT

URBN-DG

DRAWING STATUS

FOR APPROVAL

SCALE

NTS

COORDINATE SYSTEM

MGA2020-55

DATUM

AHD

DRAWING TITLE

EXTERNAL SERVICES NOTES
AND LEGEND

SHEET SIZE

A1

PROJECT NUMBER

10675-01

DRAWING NUMBER

350

REVISION

A

CAD File: H:\10675 Phillip Section 7 Block 130 CH430.1 Drawings\01 Substage 101 Current Drawings\10675-01-350 External Services.dwg