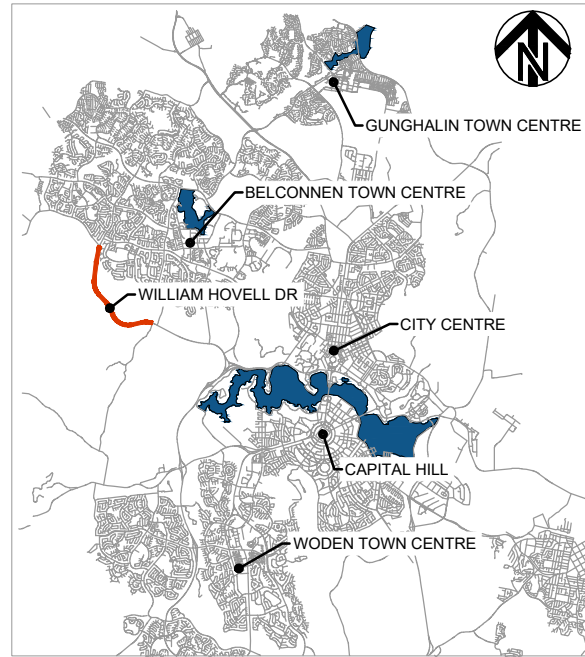
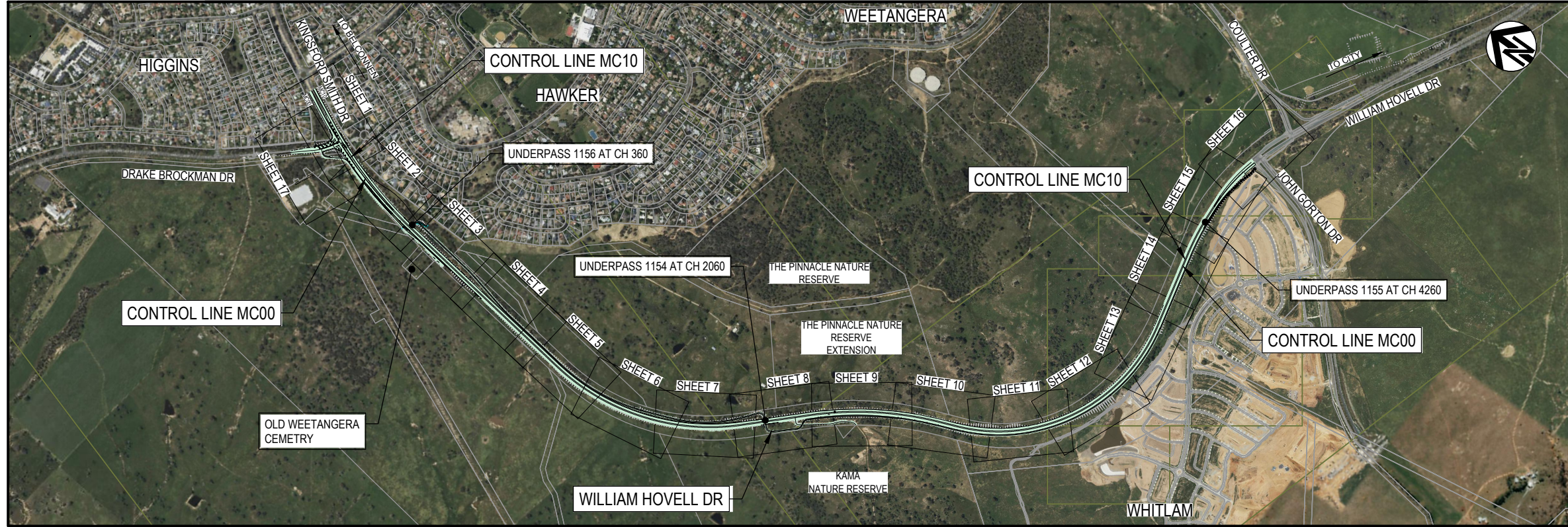


# WILLIAM HOVELL DRIVE DUPLICATION PACKAGE 08 SEWER AND WATER



PACKAGE REFERENCES		
PACKAGE 01	INDEX LOCALITY PLAN, GENERAL NOTES, TYPICAL DETAILS AND TYPICAL SECTIONS	GE
PACKAGE 03	GENERAL ARRANGEMENT PLAN	RD
PACKAGE 04	ROAD ALIGNMENT PLAN	RD
PACKAGE 05	LONGITUDINAL SECTIONS	LS
PACKAGE 06	CROSS SECTIONS	XS
PACKAGE 07	DRAINAGE	DD
PACKAGE 08	SEWER AND WATER	WS
PACKAGE 09	UTILITIES - TELECOMMUNICATIONS, ITS, ELECTRICAL	UT
PACKAGE 10	PAVEMENT PLAN, PAVEMENT DETAILS AND SUBSOIL DRAINAGE	PV
PACKAGE 15	LINES AND SIGNS, TCCS TRAFFIC SIGNALS	TC
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PACKAGE 22	CONSTRUCTION STAGING	

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DRAWING FILE LOCATION / NAME V:\_Vault\Projects\3002750\CAD\DWG\08_WS_Sewer_Water\3002750-WS-1500.dwg	PLOT DATE 27 May 2022	TIME 12:50:48	DR	<div style="text-align: center;">   <b>SMEC</b>            Member of the Surbana Jurong Group            ABN 47 065 475 149            LEVEL 9, 12 MOORE STREET            CANBERRA ACT 2601 AUSTRALIA            SMEC PROJECT No 3002750         </div>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;"><b>CHECK PRINT</b></td> </tr> <tr> <td>DISCIPLINE</td> <td style="text-align: center;">PRELIM <input type="checkbox"/> FINAL <input type="checkbox"/></td> </tr> <tr> <td>DISCIPLINE</td> <td style="text-align: center;">INITIAL          DATE</td> </tr> <tr> <td>DISCIPLINE</td> <td></td> </tr> <tr> <td>DISCIPLINE</td> <td></td> </tr> <tr> <td>DISCIPLINE</td> <td></td> </tr> <tr> <td>BACKDRAFTED/CORRECTED</td> <td></td> </tr> <tr> <td>CONFIRMED</td> <td></td> </tr> </table>	<b>CHECK PRINT</b>		DISCIPLINE	PRELIM <input type="checkbox"/> FINAL <input type="checkbox"/>	DISCIPLINE	INITIAL          DATE	DISCIPLINE		DISCIPLINE		DISCIPLINE		BACKDRAFTED/CORRECTED		CONFIRMED																																																																																																						
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**WATER MAIN NOTES**

- ALL WORK ON WATER SUPPLY ASSETS SHALL BE UNDERTAKEN IN ACCORDANCE WITH ACTEW's WATER SUPPLY AND SEWERAGE STANDARDS
- ICON IS THE AUTHORIZED REPRESENTATIVE FOR ICON IN MATTERS ASSOCIATED WITH WATER SUPPLY.
- WORKS UNDER THE CONTROL OF THE PLUMBING INSPECTORS TO BE CARRIED OUT IN ACCORDANCE WITH THE CANBERRA SEWERAGE & WATER SUPPLY REGULATIONS AND AS3500.
- ANY CONNECTIONS, DISCONNECTIONS OR MODIFICATIONS TO THE EXISTING WATER MAIN SHALL BE CONDUCTED BY ACTEW Water AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL EXPOSE EXISTING PIPES AND CONFIRM NEW LENGTHS AND ANGLES PRIOR TO ORDERING MATERIALS. ALL MATERIALS USED FOR THE CONSTRUCTION OF THE WATER MAIN NETWORK SHALL COMPLY WITH THE RELEVANT AUSTRALIAN STANDARDS, CARRY A 'STANDARDS MARK' OR 'WATERMARK' LOGO AND SHALL BE APPROVED FOR USE BY ACTEW.
- EASTING AND NORTHING (CANBERRA MAP GRID) SPECIFIED FOR EACH NEW WATER SUPPLY FITTING OCCURS AT THE INTERSECTION OF THE WATER MAIN CENTRE LINES.
- LEVELS ARE GIVEN IN METERS TO AUSTRALIAN HEIGHT DATUM.
- EXISTING SERVICES ARE SHOWN INDICATIVELY ON THIS PLAN. THE CONTRACTOR SHALL LOCATE ALL EXISTING SERVICES, PRIOR TO THE COMMENCEMENT OF WORK AND ADVISE THE SUPERINTENDENT OF ANY DISCREPANCIES.
- THE OUTFALL PIPE WORK DOWNSTREAM OF THE SCOUR VALVE ACCESS CHAMBER SHALL BE uPVC PRESSURE PIPE CLASS PN16 AND HAVE FLANGED FITTINGS OF DICL UNLESS NOTED OTHERWISE. MAKE GOOD AND COMPLETE ALL PROTECTIVE COATINGS OF PIPES AND FITTINGS.
- PRIOR TO CONNECTION, NEW WATER MAIN SHALL BE PRESSURE TESTED TO 140m HEAD (APPROXIMATELY 1373 kPa) IN ACCORDANCE WITH AS2566.
- PRIOR TO PIPE INSTALLATION THE TRENCH BED AND WALLS SHALL BE INSPECTED BY A SUITABLY QUALIFIED GEOTECHNICAL ENGINEER. ANY LOCATION WHERE THE MODULUS OF SOIL REACTION E' IS LESS THAN 2.8MPa SHALL BE REPORTED TO THE SUPERINTENDENT.
- THE CONTRACTOR SHALL MARK 'FH' ON THE NEW KERB ADJACENT TO THE NEW HYDRANT IN ACCORDANCE WITH THE SPECIFICATION. EXISTING MARKERS FOR REMOVED/ RELOCATED HYDRANTS SHALL BE REMOVED, TO THE APPROVAL OF THE SUPERINTENDENT.
- UNLESS NOTED OTHERWISE, THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO MATCH ADJACENT AREAS, TO THE APPROVAL OF THE SUPERINTENDENT.
- THE CONTRACTOR SHALL PROVIDE FULL SUPPORT FOR ANY EXISTING SERVICES AFFECTED OR EXPOSED BY TRENCHING, TO THE APPROVAL OF THE SUPERINTENDENT.
- THE CONTRACTOR SHALL ENSURE THAT ALL EXISTING SERVICES, UNLESS NOTED OTHERWISE, REMAIN LIVE DURING THE CONSTRUCTION OF NEW SERVICES.

**EXISTING**

- CADASTRAL BOUNDARY
- FENCE
- KERB / EDGE OF BITUMEN
- STORMWATER PIPE
- OVERHEAD POWER LINE
- UNDERGROUND POWER LINE
- UNDERGROUND LOW VOLTAGE POWER LINE
- TELECOMMUNICATIONS ICON
- TELECOMMUNICATIONS NBN
- TELECOMMUNICATIONS NEXTGEN
- TELECOMMUNICATIONS OPTUS
- SHARED SERVICES TRENCH
- TELECOMMUNICATIONS TACT
- TELECOMMUNICATIONS TELSTRA
- HIGH PRESSURE GAS
- LOW PRESSURE GAS
- SEWER
- WATER
- STORMWATER HEADWALL MANHOLE & PLANTATION SUMP
- UTILITY SERVICE PITS & STREETLIGHT
- UTILITIES LOCATION TO BE CONFIRMED
- UTILITIES EASEMENT
- ACCESS ROAD BY OTHERS
- BICENTENNIAL NATIONAL TRAIL
- DEEP CREEK ALIGNMENT
- 132kV PROPOSED UTILITY BY OTHERS

**LEGEND**

**PROPOSED WORKS**

- Ø100 WATERMAIN
- Ø150 WATERMAIN
- Ø600 WATERMAIN
- Ø675 WATERMAIN
- Ø900 WATERMAIN
- STOP VALVE
- WATERMAIN Ø900 TO BE DECOMMISSIONED
- WATERMAIN Ø600 TO BE DECOMMISSIONED
- WATERMAIN Ø675 TO BE DECOMMISSIONED
- WATERMAIN Ø150 TO BE DECOMMISSIONED
- WATERMAIN Ø100 TO BE DECOMMISSIONED
- CONSTRUCTION BOUNDARY

**NOTE:**

REFER PACKAGE 07 FOR DRAINAGE  
REFER PACKAGE 09 FOR TELECOMMUNICATIONS, ITS & ELECTRICAL

- ITS CONDUIT
- TELECOMMUNICATIONS
- TELECOMMUNICATIONS NBN
- TELECOMMUNICATIONS TELSTRA
- TELECOMMUNICATIONS TPG
- ELECTRICITY LOW VOLTAGE UNDERGROUND
- PIPE/BOX CULVERT AND FLOW DIRECTION
- ACT TYPE R SUMP (SINGLE / DOUBLE) ACT PLANTATION SUMP (SINGLE / DOUBLE)
- ACT 1050ND MANHOLE
- CULVERT HEADWALL, HEADWALL WITH ROCK MATTRESS, HEADWALL WITH CONCRETE APRON
- STREETLIGHT TO BE REMOVED
- TELECOMMUNICATIONS OPTUS TO BE REMOVED
- TELECOMMUNICATIONS TELSTRA TO BE REMOVED
- STORMWATER PIPES/PITS TO BE REMOVED
- 132kV PROPOSED UTILITY BY OTHERS

**NOTE:**

REFER PACKAGE 15 FOR TCD & TCCS

- PEDESTAL
- COMBINED USE
- MAST ARM
- CONDUIT

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B	08.10.2020	PRELIMINARY SKETCH PLAN	0014	DK	DRAFTING CHECK	R. GOOSEN
C	13.11.2020	PRELIMINARY SKETCH PLAN SUBMISSION	0015	DK	DESIGNER	A. LEE
D	27.05.2022	DETAILS DESIGN, SHAFTS, PATH ALIGNMENT & PIPES	0	DK	DESIGN CHECK	R. HUNTER
					PROJECT MANAGER	K. DECANHA
					PROJECT DIRECTOR	D. KEEP

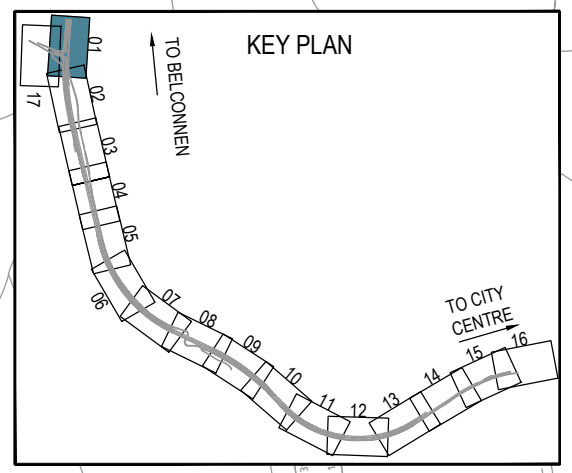
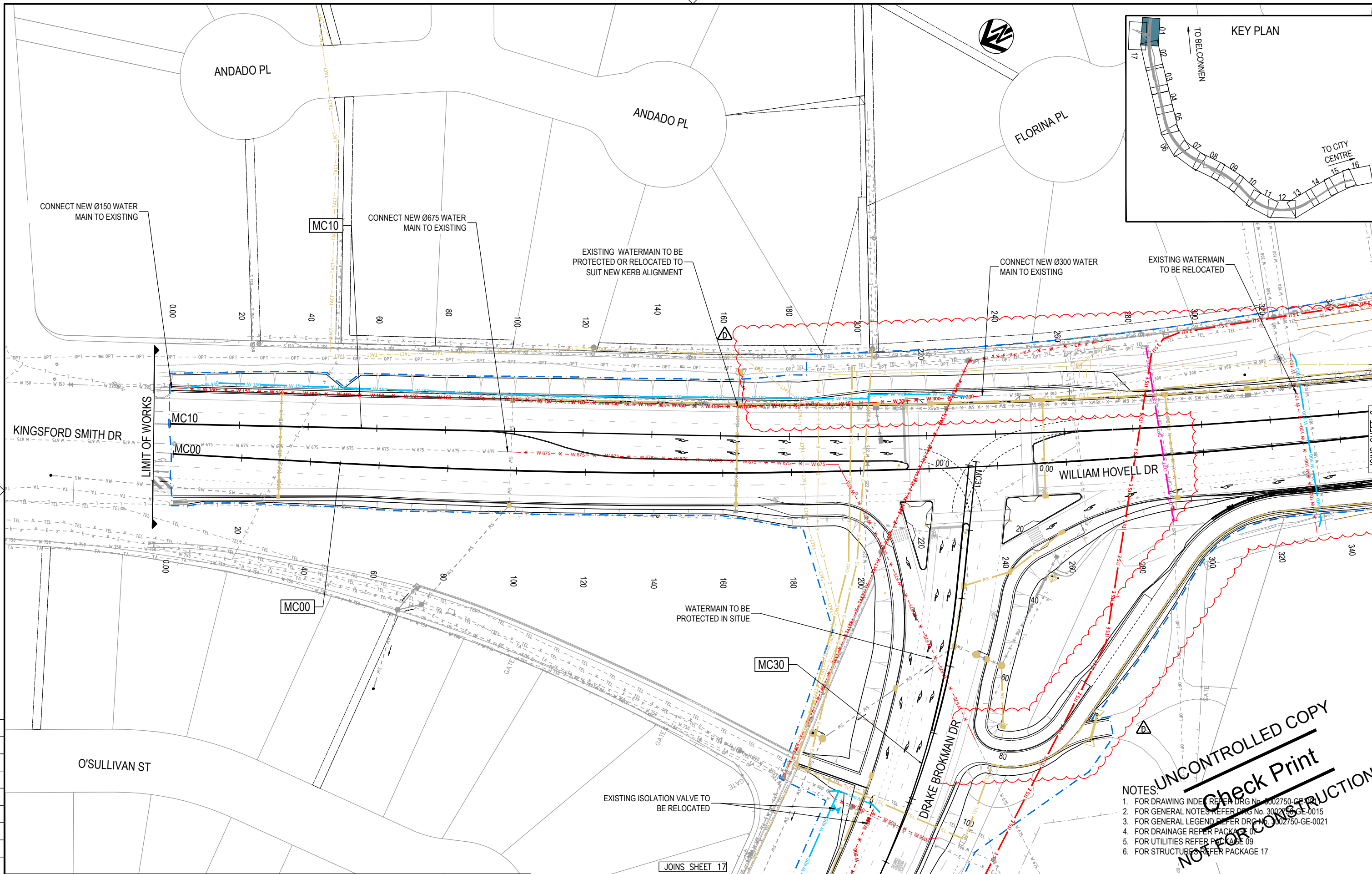
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EXTERNAL REFERENCE FILES	SCALES AT A1 SIZE DRAWING	DESIGNER

**SMC**  
Member of the Surbana Jurong Group  
ABN 47 065 475 149  
LEVEL 9, 12 MOORE STREET  
CANBERRA ACT 2601 AUSTRALIA  
SMC PROJECT No 3002750

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CONFIRMED		

PROJECT TITLE WILLIAM HOVELL DRIVE DUPLICATION		SCALE AS SHOWN	PHASE PSP	PROJECT / DRAWING No. 3002750-WS-1501	REVISION C.1
<b>SEWER AND WATER NOTES AND LEGEND</b>					

DR



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JOINS SHEET 2

JOINS SHEET 17

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 2. FOR GENERAL NOTES REFER DRG No. 3002750-GE-0015  
 3. FOR GENERAL LEGEND REFER DRG No. 3002750-GE-0021  
 4. FOR DRAINAGE REFER PACKAGE 09  
 5. FOR UTILITIES REFER PACKAGE 09  
 6. FOR STRUCTURES REFER PACKAGE 17

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		C	13.11.2020	PRELIMINARY SKETCH PLAN	0015
		D	27.05.2022	DETAIL DESIGN WITH PATH ALIGNMENT CHANGES	0

**REVISION IN PROGRESS**

APPROVAL	TITLE	NAME
DK	DRAFTER	L. HESLOP
DK	DRAFTING CHECK	R. GOOSEN
DK	DESIGNER	A. LEE
DK	DESIGN CHECK	R. HUNTER
	PROJECT MANAGER	K. DECANHA
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SCALES AT A1 SIZE DRAWING

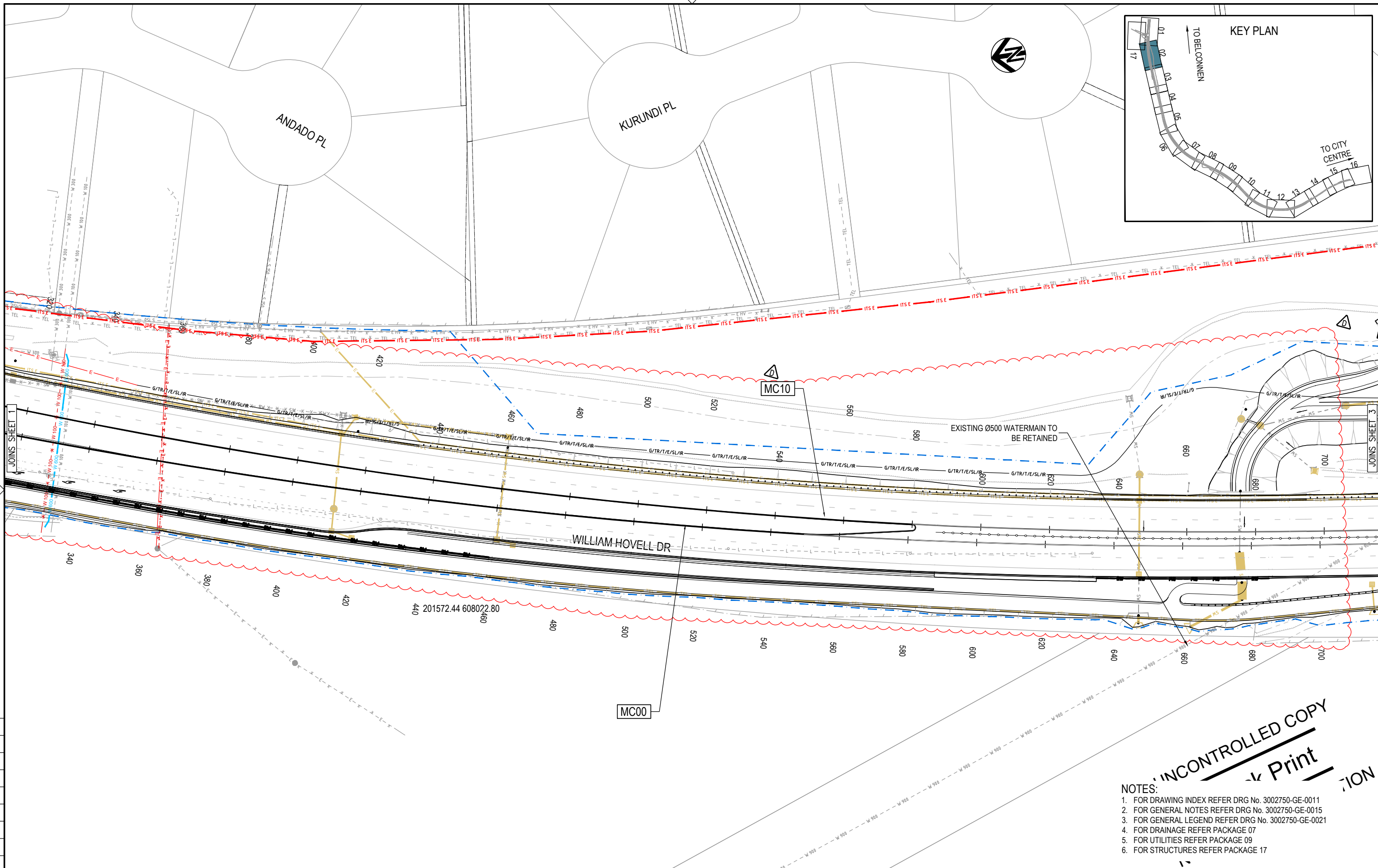
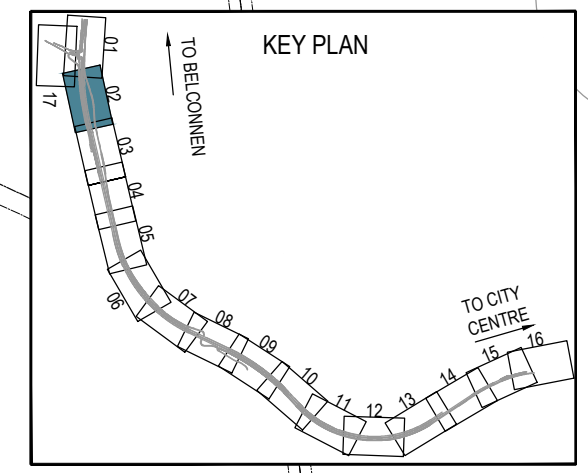
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DESIGNER

Member of the Surlana Jurong Group  
 ABN 47 065 475 149  
 LEVEL 9, 12 MOORE STREET  
 CANBERRA ACT 2601 AUSTRALIA  
 SMEC PROJECT No 3002750

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PROJECT TITLE WILLIAM HOVELL DRIVE DUPLICATION		REVISION C.1	
SEWER AND WATER SHEET 1		SCALE AS SHOWN	PHASE PSP
PROJECT / DRAWING No. 3002750-WS-1510		DATE	



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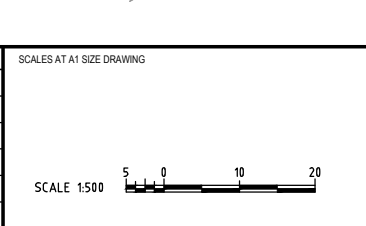
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 3. FOR GENERAL LEGEND REFER DRG No. 3002750-GE-0021  
 4. FOR DRAINAGE REFER PACKAGE 07  
 5. FOR UTILITIES REFER PACKAGE 09  
 6. FOR STRUCTURES REFER PACKAGE 17

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		B	08.10.2020	PRELIMINARY SKETCH PLAN	
		C	13.11.2020	PRELIMINARY SKETCH PLAN	
		D	27.05.2022	DETAIL DESIGN STATION ALIGNMENT CHANGES	

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		PROJECT DIRECTOR	D. KEEP



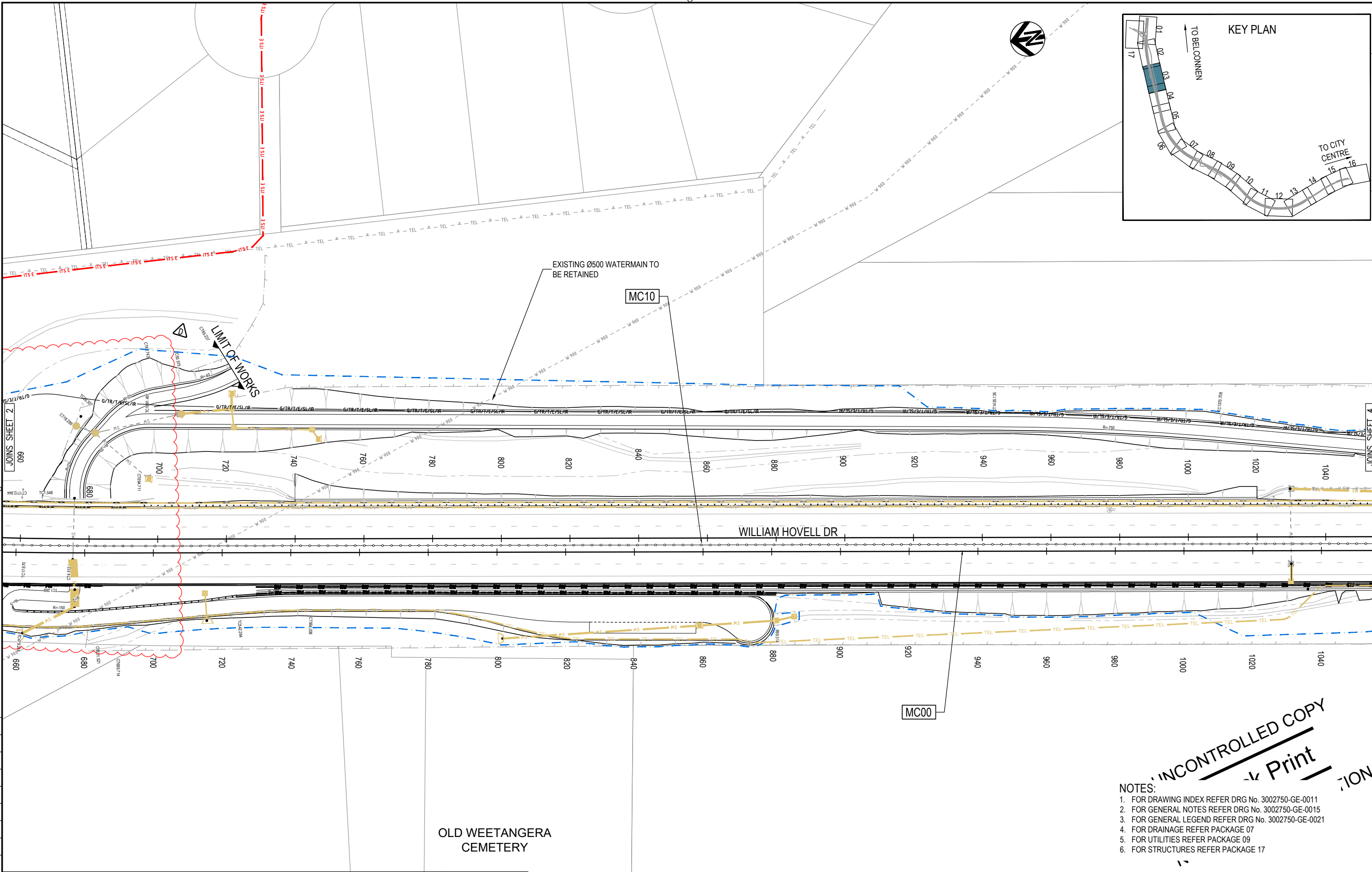
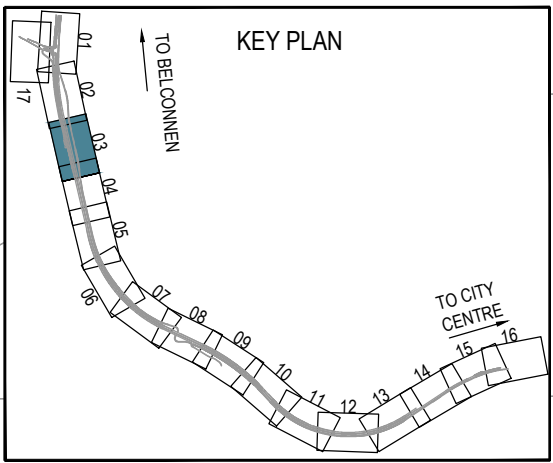
DESIGNER

Member of the Surlana Jurong Group  
 ABN 47 065 475 149  
 LEVEL 9, 12 MOORE STREET  
 CANBERRA ACT 2601 AUSTRALIA  
 SMEC PROJECT No 3002750

DR

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DISCIPLINE			
BACKDRAFTED/CORRECTED			
CONFIRMED			

PROJECT TITLE WILLIAM HOVELL DRIVE DUPLICATION		PROJECT / DRAWING No. 3002750-WS-1511		REVISION C.1
SCALE AS SHOWN	PHASE PSP	SEWER AND WATER SHEET 2		



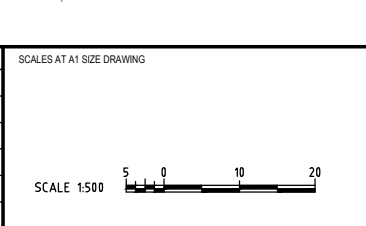
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 1. FOR DRAWING INDEX REFER DRG No. 3002750-GE-0011  
 2. FOR GENERAL NOTES REFER DRG No. 3002750-GE-0015  
 3. FOR GENERAL LEGEND REFER DRG No. 3002750-GE-0021  
 4. FOR DRAINAGE REFER PACKAGE 07  
 5. FOR UTILITIES REFER PACKAGE 09  
 6. FOR STRUCTURES REFER PACKAGE 17

150 mm ON ORIGINAL  
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A	19.06.2020	PRELIMINARY SKETCH PLAN	0007
B	08.10.2020	PRELIMINARY SKETCH PLAN	0014
C	13.11.2020	PRELIMINARY SKETCH PLAN SUBMISSION	0015
D	27.05.2022	DETAIL OF DESIGN SPACING WITH ALIGNMENT CHANGES	0

APPROVAL	TITLE	NAME
DK	DRAFTER	L. HESLOP
DK	DRAFTING CHECK	R. GOOSEN
DK	DESIGNER	A. LEE
DK	DESIGN CHECK	R. HUNTER
	PROJECT MANAGER	K. DECANHA
	PROJECT DIRECTOR	D. KEEP



DESIGNER

Member of the Surbana Jurong Group  
 ABN 47 065 475 149  
 LEVEL 9, 12 MOORE STREET  
 CANBERRA ACT 2601 AUSTRALIA  
 SMEC PROJECT No 3002750

**CHECK PRINT**

DISCIPLINE	PRELIM	FINAL
DISCIPLINE	INITIAL	DATE
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DISCIPLINE		
BACKDRAFTED/CORRECTED		
CONFIRMED		

PROJECT TITLE

WILLIAM HOVELL DRIVE DUPLICATION

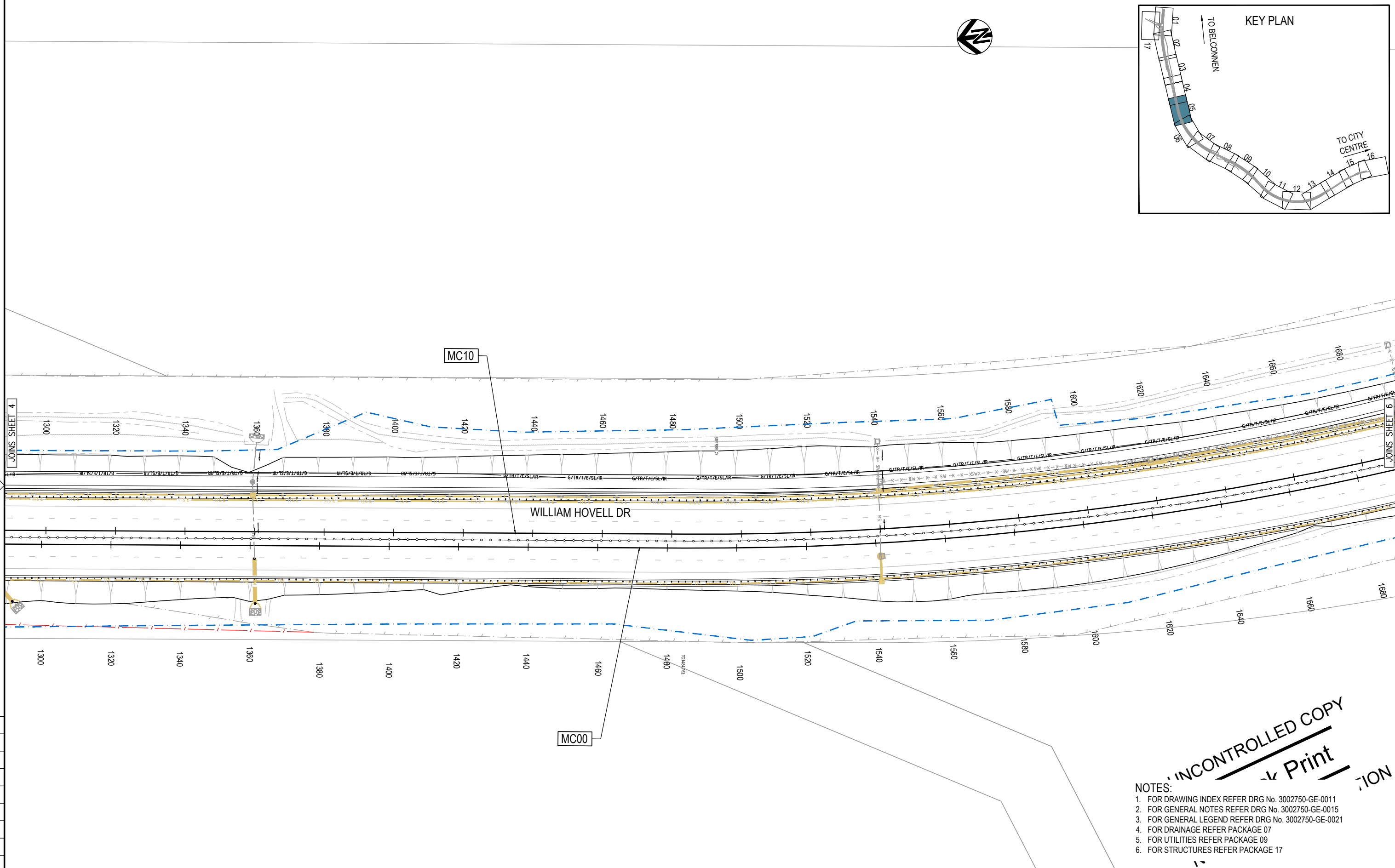
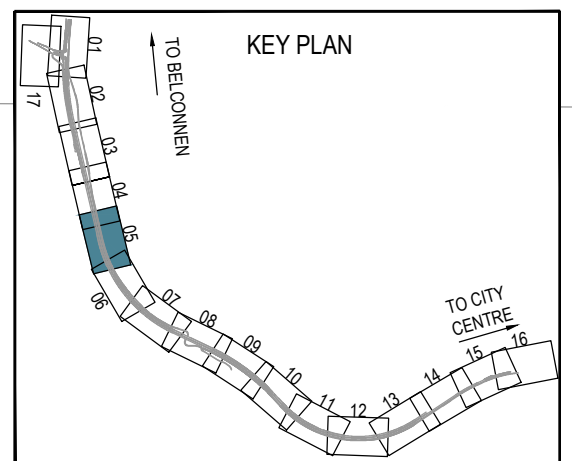
SEWER AND WATER SHEET 3

SCALE	PHASE	PROJECT / DRAWING No.	REVISION
AS SHOWN	PSP	3002750-WS-1512	C.1

**REVISION IN PROGRESS**

DR





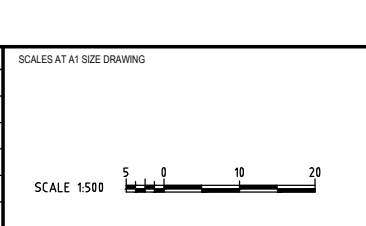
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 2. FOR GENERAL NOTES REFER DRG No. 3002750-GE-0015  
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 4. FOR DRAINAGE REFER PACKAGE 07  
 5. FOR UTILITIES REFER PACKAGE 09  
 6. FOR STRUCTURES REFER PACKAGE 17

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		B	08.10.2020	PRELIMINARY SKETCH PLAN		
		C	13.11.2020	PRELIMINARY SKETCH PLAN		
		D	27.05.2022	DETAIL OF DESIGN SPACING WITH ALIGNMENT CHANGES		

WVR No.	APPROVAL	TITLE	NAME
0007	DK	DRAFTER	L. HESLOP
0014	DK	DRAFTING CHECK	R. GOOSEN
0015	DK	DESIGNER	A. LEE
	DK	DESIGN CHECK	R. HUNTER
		PROJECT MANAGER	K. DECANHA
		PROJECT DIRECTOR	D. KEEP



DESIGNER

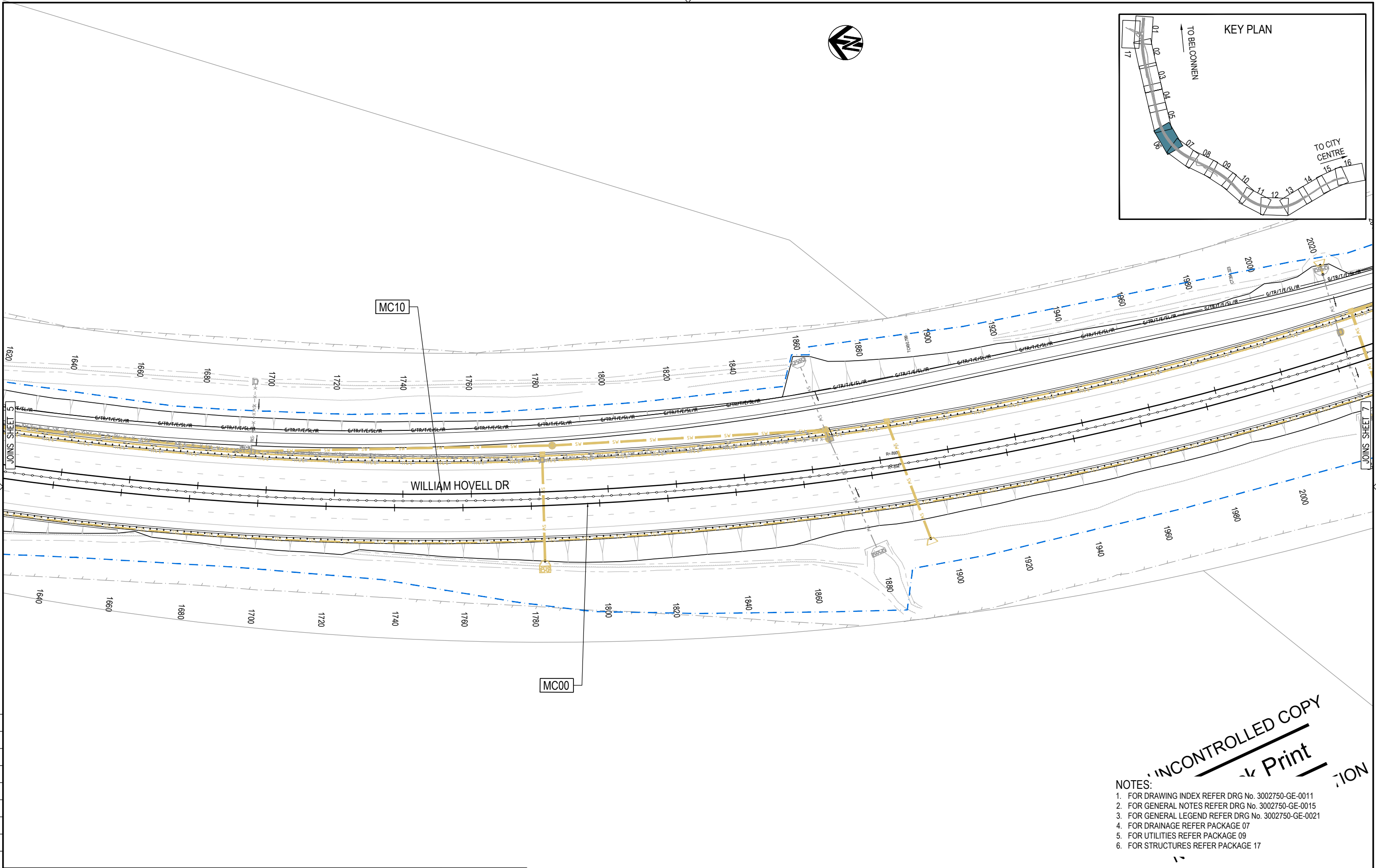
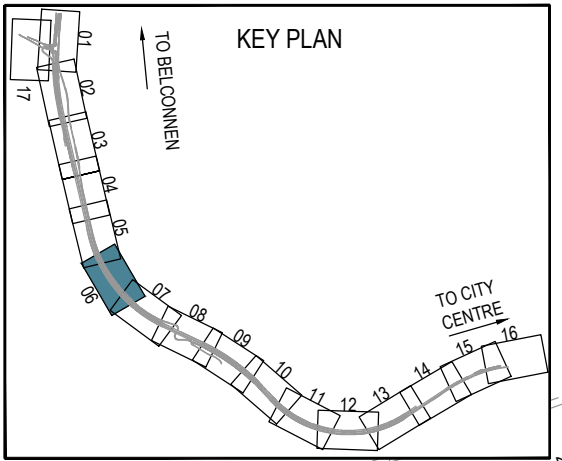
Member of the Surbana Jurong Group  
 ABN 47 065 475 149

LEVEL 9, 12 MOORE STREET  
 CANBERRA ACT 2601 AUSTRALIA  
 SMEC PROJECT No 3002750

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CONFIRMED			

PROJECT TITLE WILLIAM HOVELL DRIVE DUPLICATION		
SEWER AND WATER SHEET 5		
SCALE AS SHOWN	PHASE PSP	PROJECT / DRAWING No. 3002750-WS-1514
		REVISION C.1

**REVISION IN PROGRESS**



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**UNCONTROLLED COPY**  
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**NOTES:**  
1. FOR DRAWING INDEX REFER DRG No. 3002750-GE-0011  
2. FOR GENERAL NOTES REFER DRG No. 3002750-GE-0015  
3. FOR GENERAL LEGEND REFER DRG No. 3002750-GE-0021  
4. FOR DRAINAGE REFER PACKAGE 07  
5. FOR UTILITIES REFER PACKAGE 09  
6. FOR STRUCTURES REFER PACKAGE 17

DRAWING FILE LOCATION / NAME	
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REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.
A	19.06.2020	PRELIMINARY SKETCH PLAN	0007
B	08.10.2020	PRELIMINARY SKETCH PLAN	0014
C	13.11.2020	PRELIMINARY SKETCH PLAN SUBMISSION	0015
D	27.05.2022	DETAIL DESIGN (SPECIAL PATH ALIGNMENT CHANGES)	0

APPROVAL	TITLE	NAME
DK	DRAFTER	L. HESLOP
DK	DRAFTING CHECK	R. GOOSEN
DK	DESIGNER	A. LEE
DK	DESIGN CHECK	R. HUNTER
	PROJECT MANAGER	K. DECANHA
	PROJECT DIRECTOR	D. KEEP

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SCALE 1:500	

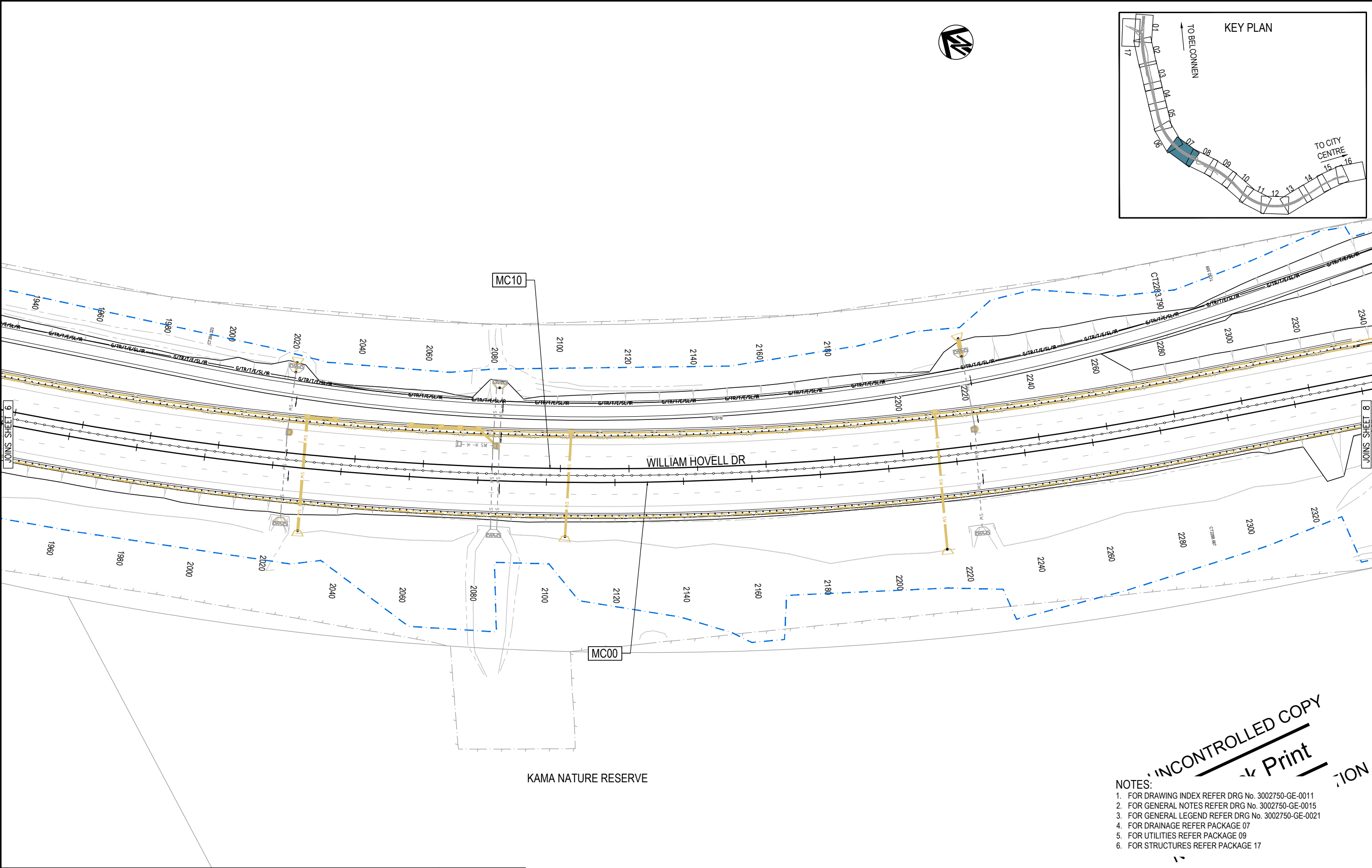
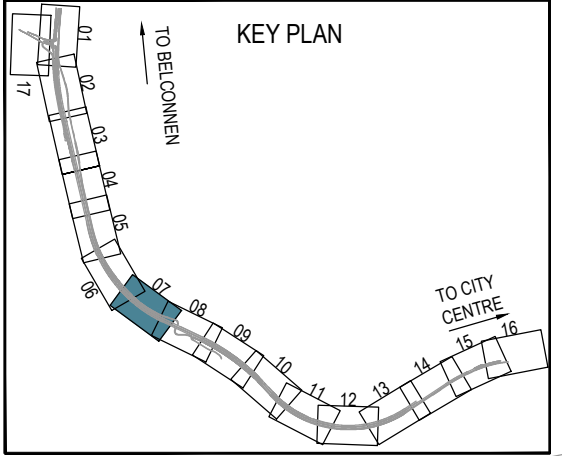
DESIGNER  
  
Member of the Surbana Jurong Group  
ABN 47 065 475 149  
LEVEL 9, 12 MOORE STREET  
CANBERRA ACT 2601 AUSTRALIA  
SMEC PROJECT No 3002750

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CONFIRMED			

PROJECT TITLE		PROJECT / DRAWING No.		REVISION
WILLIAM HOVELL DRIVE DUPLICATION		3002750-WS-1515		C.1
SEWER AND WATER SHEET 6		SCALE	PHASE	
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**REVISION IN PROGRESS**

DR



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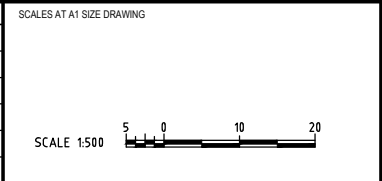
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  3. FOR GENERAL LEGEND REFER DRG No. 3002750-GE-0021
  4. FOR DRAINAGE REFER PACKAGE 07
  5. FOR UTILITIES REFER PACKAGE 09
  6. FOR STRUCTURES REFER PACKAGE 17

150 mm ON ORIGINAL

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B	08.10.2020	PRELIMINARY SKETCH PLAN	0014	DK	DRAFTING CHECK	R. GOOSEN
C	13.11.2020	PRELIMINARY SKETCH PLAN	0015	DK	DESIGNER	A. LEE
D	27.05.2022	DETAIL DESIGN SKETCH PLAN ALIGNMENT CHANGES	0	DK	DESIGN CHECK	R. HUNTER
					PROJECT MANAGER	K. DECANHA
					PROJECT DIRECTOR	D. KEEP

PLOT DATE	TIME
27 May 2022	12:54:40



DESIGNER

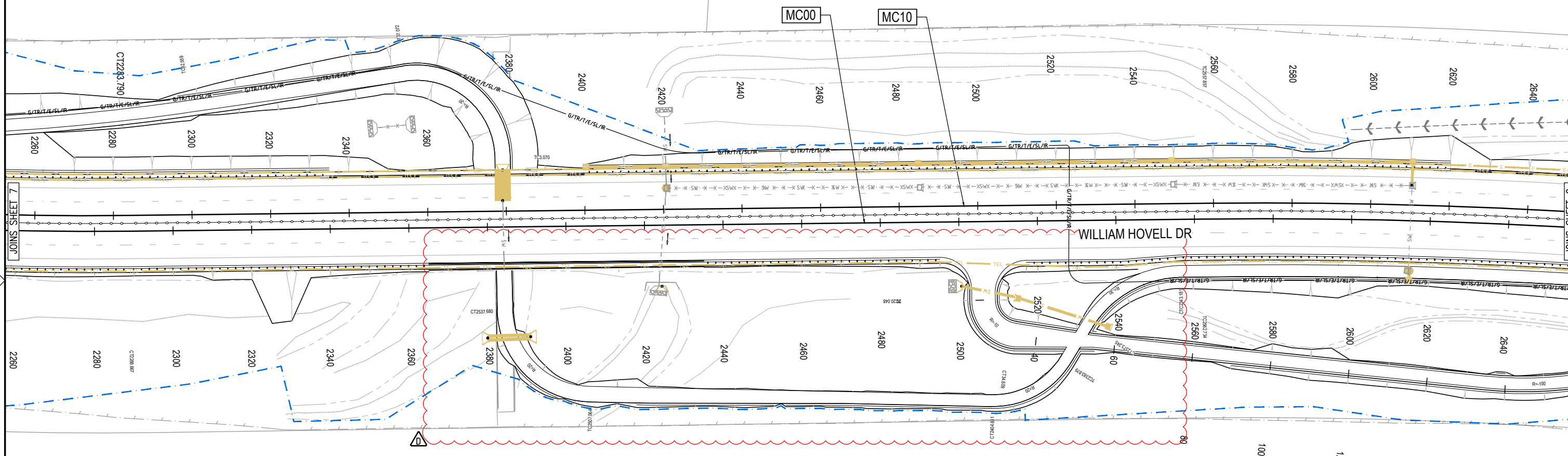
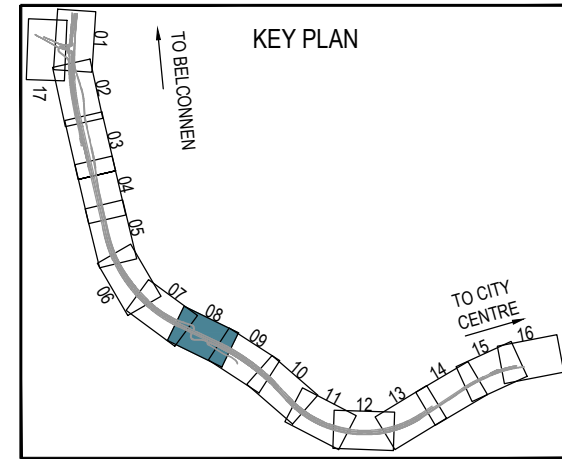
Member of the Surbana Jurong Group  
 ABN 47 065 475 149  
 LEVEL 9, 12 MOORE STREET  
 CANBERRA ACT 2601 AUSTRALIA  
 SMEC PROJECT No 3002750

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BACKDRAFTED/CORRECTED			
CONFIRMED			

PROJECT TITLE		WILLIAM HOVELL DRIVE DUPLICATION	
		SEWER AND WATER SHEET 7	
SCALE	PHASE	PROJECT / DRAWING No.	REVISION
AS SHOWN	PSP	3002750-WS-1516	C.1

DR

THE PINNACLE NATURE RESERVE



7 SHEET 5 JUNIOR

6 SHEET 6 JUNIOR

KAMA NATURE RESERVE

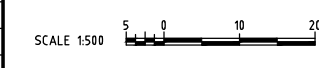
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 6. FOR STRUCTURES REFER PACKAGE 17

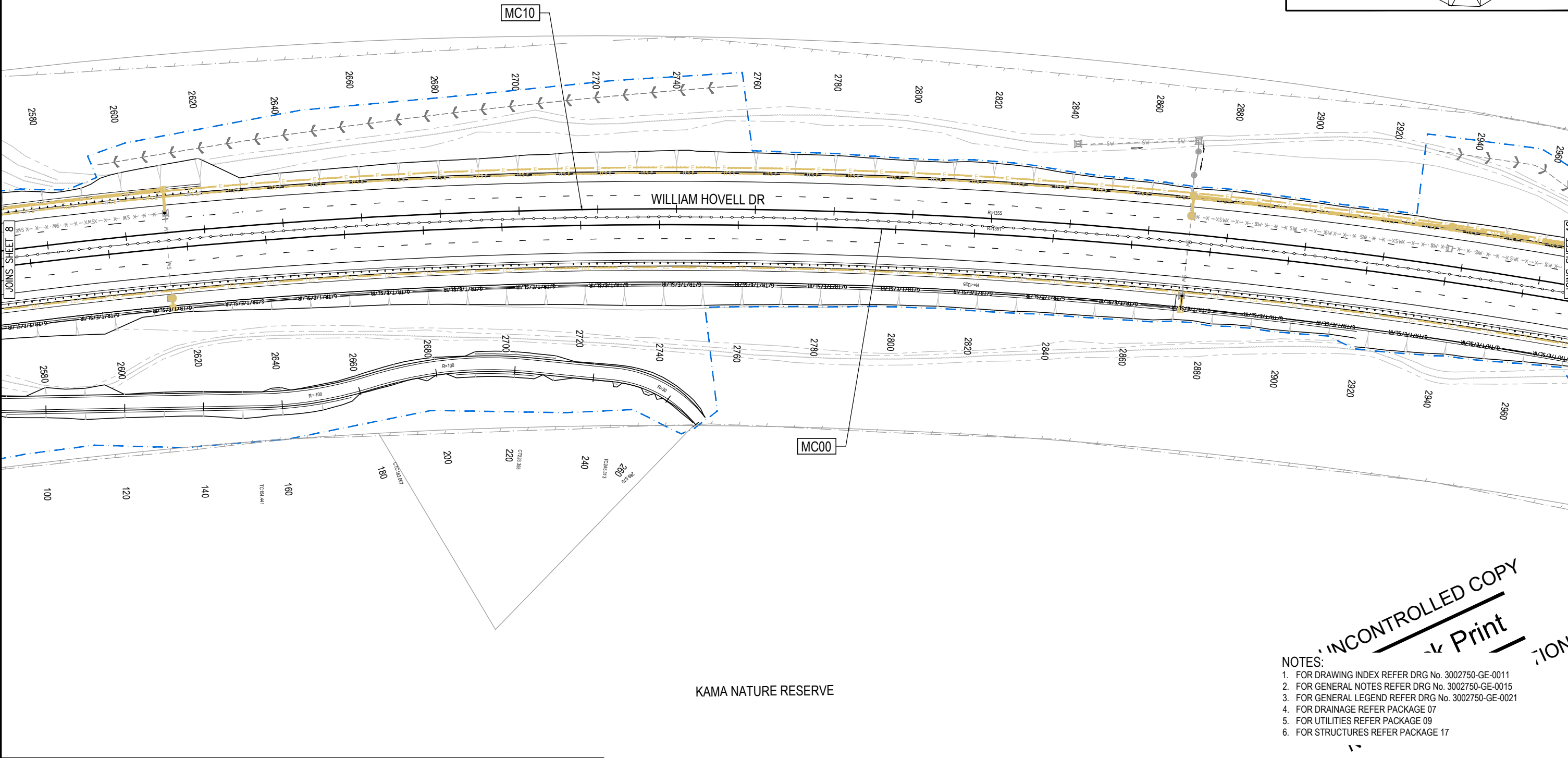
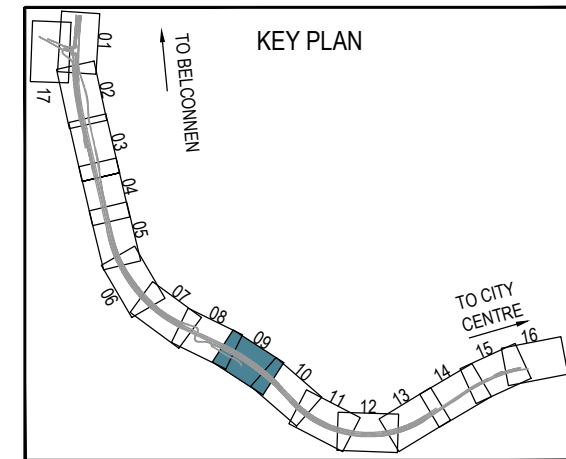
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B	08.10.2020	PRELIMINARY SKETCH PLAN	0014	DK	DRAFTING CHECK	R. GOOSEN													
C	13.11.2020	PRELIMINARY SKETCH PLAN	0015	DK	DESIGNER	A. LEE													
D	27.05.2022	DETAIL DESIGN	0	DK	DESIGN CHECK	R. HUNTER													
						PROJECT MANAGER	K. DECANHA												
						PROJECT DIRECTOR	D. KEEP												

REVISION IN PROGRESS



THE PINNACLE NATURE RESERVE



KAMA NATURE RESERVE

**UNCONTROLLED COPY**  
**Print**

- NOTES:
1. FOR DRAWING INDEX REFER DRG No. 3002750-GE-0011
  2. FOR GENERAL NOTES REFER DRG No. 3002750-GE-0015
  3. FOR GENERAL LEGEND REFER DRG No. 3002750-GE-0021
  4. FOR DRAINAGE REFER PACKAGE 07
  5. FOR UTILITIES REFER PACKAGE 09
  6. FOR STRUCTURES REFER PACKAGE 17

150 mm ON ORIGINAL  
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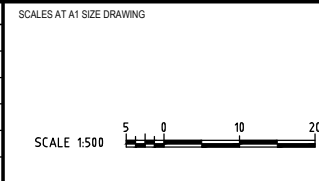
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EXTERNAL REFERENCE FILES

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REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL	TITLE	NAME
A	19.06.2020	PRELIMINARY SKETCH PLAN	0007	DK	DRAFTER	L. HESLOP
B	08.10.2020	PRELIMINARY SKETCH PLAN	0014	DK	DRAFTING CHECK	R. GOOSEN
C	13.11.2020	PRELIMINARY SKETCH PLAN	0015	DK	DESIGNER	A. LEE
D	27.05.2022	DETAIL OF DESIGN SPAN AND PATH ALIGNMENT CHANGES	0	DK	DESIGN CHECK	R. HUNTER
					PROJECT MANAGER	K. DECANHA
					PROJECT DIRECTOR	D. KEEP

**REVISION IN PROGRESS**



DESIGNER

Member of the Surlana Jurong Group  
ABN 47 065 475 149

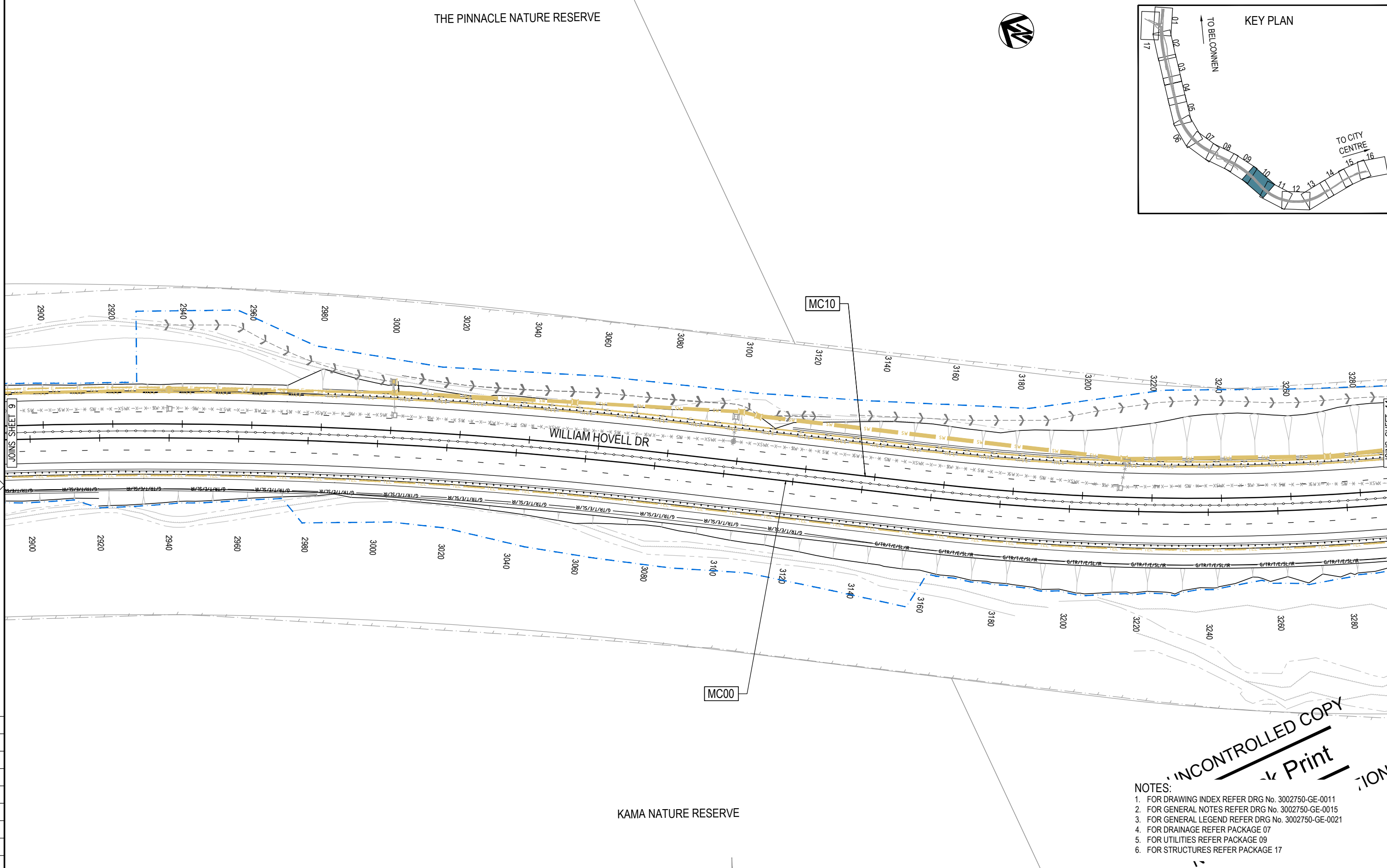
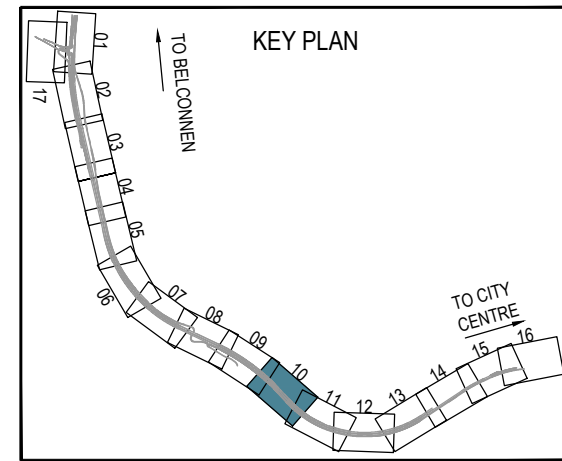
LEVEL 9, 12 MOORE STREET  
CANBERRA ACT 2601 AUSTRALIA  
SMEC PROJECT No 3002750

DR

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PROJECT TITLE <b>WILLIAM HOVELL DRIVE DUPLICATION</b>		REVISION <b>C.1</b>	
<b>SEWER AND WATER SHEET 9</b>		PROJECT / DRAWING No. <b>3002750-WS-1518</b>	
SCALE <b>AS SHOWN</b>	PHASE <b>PSP</b>	PROJECT / DRAWING No. <b>3002750-WS-1518</b>	

THE PINNACLE NATURE RESERVE



KAMA NATURE RESERVE

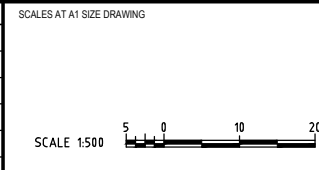
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**NOTES:**  
 1. FOR DRAWING INDEX REFER DRG No. 3002750-GE-0011  
 2. FOR GENERAL NOTES REFER DRG No. 3002750-GE-0015  
 3. FOR GENERAL LEGEND REFER DRG No. 3002750-GE-0021  
 4. FOR DRAINAGE REFER PACKAGE 07  
 5. FOR UTILITIES REFER PACKAGE 09  
 6. FOR STRUCTURES REFER PACKAGE 17

150 mm ON ORIGINAL  
A1

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B	08.10.2020	PRELIMINARY SKETCH PLAN	0014	DK	DRAFTING CHECK <i>R. GOOSEN</i>
C	13.11.2020	PRELIMINARY SKETCH PLAN SUBMISSION	0015	DK	DESIGNER <i>A. LEE</i>
D	27.05.2022	DETAIL OF DESIGN SPACES WITH ALIGNMENT CHANGES	0	DK	DESIGN CHECK <i>R. HUNTER</i>
					PROJECT MANAGER <i>K. DECANHA</i>
					PROJECT DIRECTOR <i>D. KEEP</i>

**REVISION IN PROGRESS**

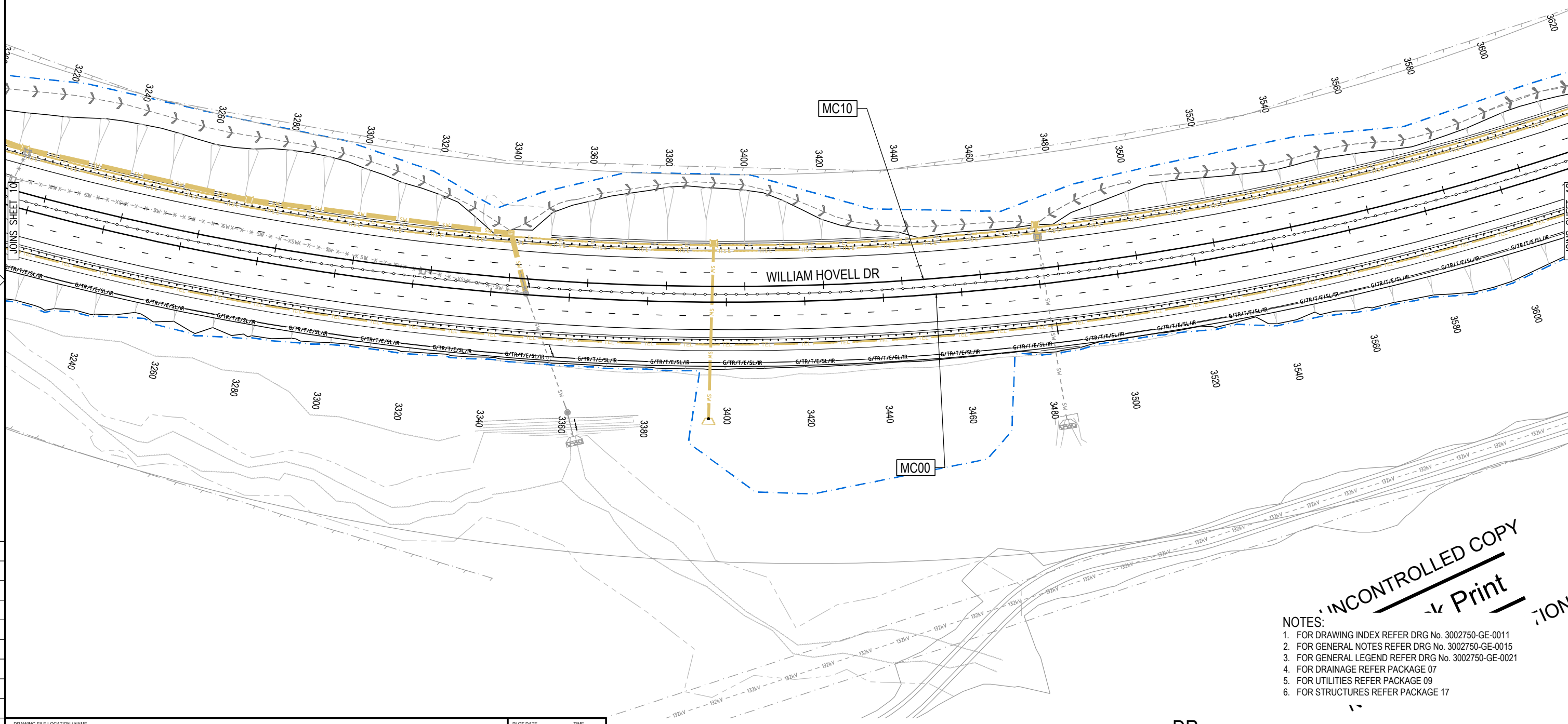
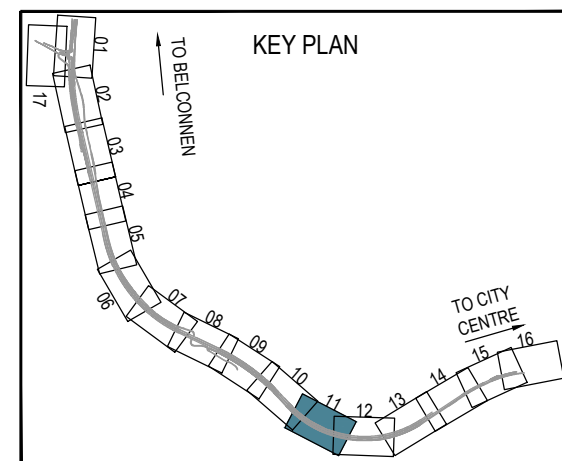


DESIGNER **SMEC**  
 Member of the Surbana Jurong Group  
 ABN 47 065 475 149  
 LEVEL 9, 12 MOORE STREET  
 CANBERRA ACT 2601 AUSTRALIA  
 SMEC PROJECT No 3002750

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PROJECT TITLE WILLIAM HOVELL DRIVE DUPLICATION		REVISION C.1	
SEWER AND WATER SHEET 10		SCALE AS SHOWN	PHASE PSP
PROJECT / DRAWING No. 3002750-WS-1519		DATE	

THE PINNACLE NATURE RESERVE



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**NOTES:**  
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 2. FOR GENERAL NOTES REFER DRG No. 3002750-GE-0015  
 3. FOR GENERAL LEGEND REFER DRG No. 3002750-GE-0021  
 4. FOR DRAINAGE REFER PACKAGE 07  
 5. FOR UTILITIES REFER PACKAGE 09  
 6. FOR STRUCTURES REFER PACKAGE 17

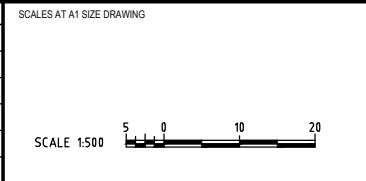
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	B	08.10.2020	PRELIMINARY SKETCH PLAN
	C	13.11.2020	PRELIMINARY SKETCH PLAN
	D	27.05.2022	DETAIL DESIGN WITH PATH ALIGNMENT CHANGES

WVR No.	APPROVAL	TITLE	NAME
0007	DK	DRAFTER	L. HESLOP
0014	DK	DRAFTING CHECK	R. GOOSEN
0015	DK	DESIGNER	A. LEE
0	DK	DESIGN CHECK	R. HUNTER
		PROJECT MANAGER	K. DECANHA
		PROJECT DIRECTOR	D. KEEP



DESIGNER **SMEC**  
 Member of the Surbana Jurong Group  
 ABN 47 065 475 149  
 LEVEL 9, 12 MOORE STREET  
 CANBERRA ACT 2601 AUSTRALIA  
 SMEC PROJECT No 3002750

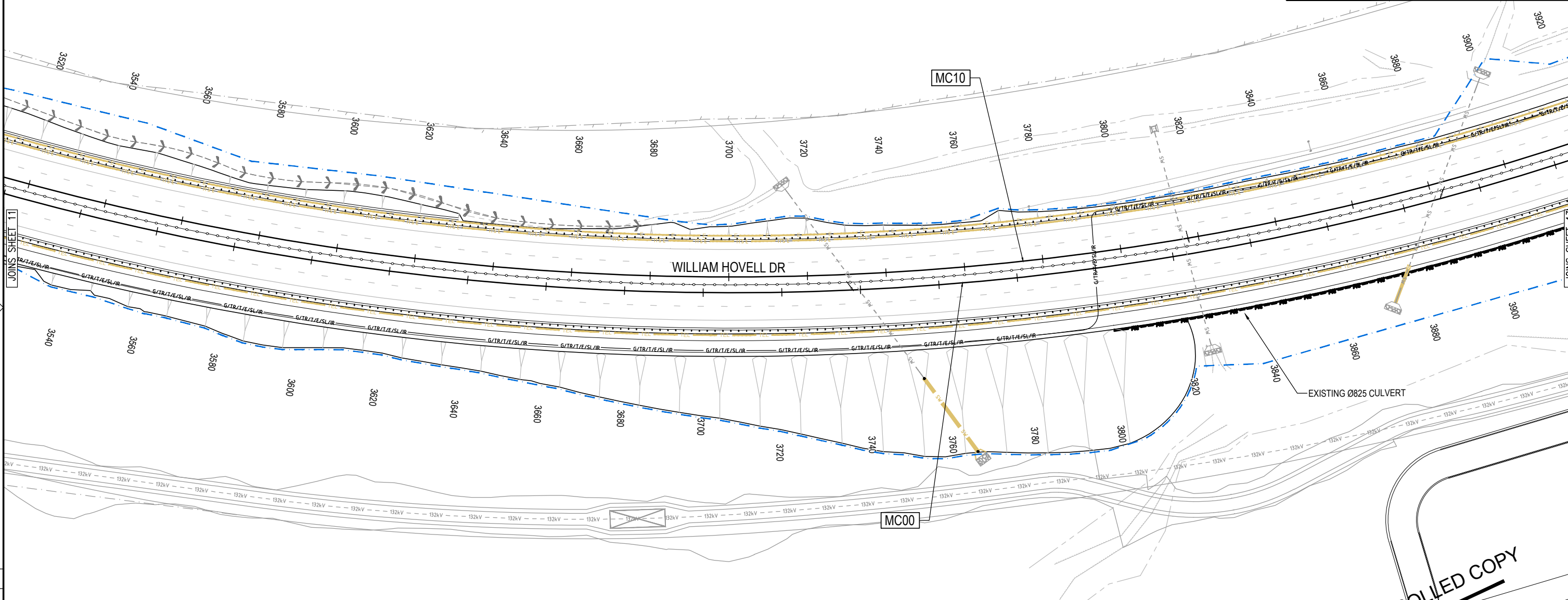
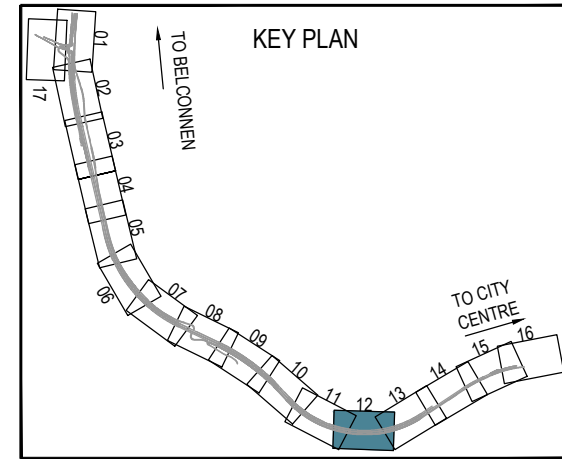
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PROJECT TITLE	SCALE	PHASE	PROJECT / DRAWING No.	REVISION
WILLIAM HOVELL DRIVE DUPLICATION	AS SHOWN	PSP	3002750-WS-1520	C.1

**REVISION IN PROGRESS**

THE PINNACLE NATURE RESERVE



JOINS SHEET 11

JOINS SHEET 13

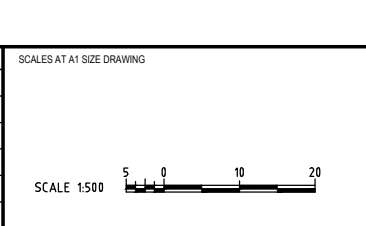
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- NOTES:
1. FOR DRAWING INDEX REFER DRG No. 3002750-GE-0011
  2. FOR GENERAL NOTES REFER DRG No. 3002750-GE-0015
  3. FOR GENERAL LEGEND REFER DRG No. 3002750-GE-0021
  4. FOR DRAINAGE REFER PACKAGE 07
  5. FOR UTILITIES REFER PACKAGE 09
  6. FOR STRUCTURES REFER PACKAGE 17

150 mm ON ORIGINAL

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B	08.10.2020	PRELIMINARY SKETCH PLAN	0014
C	13.11.2020	PRELIMINARY SKETCH PLAN SUBMISSION	0015
D	27.05.2022	DETAIL DESIGN STAGES (PATH ALIGNMENT & WALLS)	0

APPROVAL	TITLE	NAME
DK	DRAFTER	L. HESLOP
DK	DRAFTING CHECK	R. GOOSEN
DK	DESIGNER	A. LEE
DK	DESIGN CHECK	R. HUNTER
DK	PROJECT MANAGER	K. DECANHA
DK	PROJECT DIRECTOR	D. KEEP



DESIGNER

Member of the Surbana Jurong Group  
 ABN 47 065 475 149  
 LEVEL 9, 12 MOORE STREET  
 CANBERRA ACT 2601 AUSTRALIA  
 SMEC PROJECT No 3002750

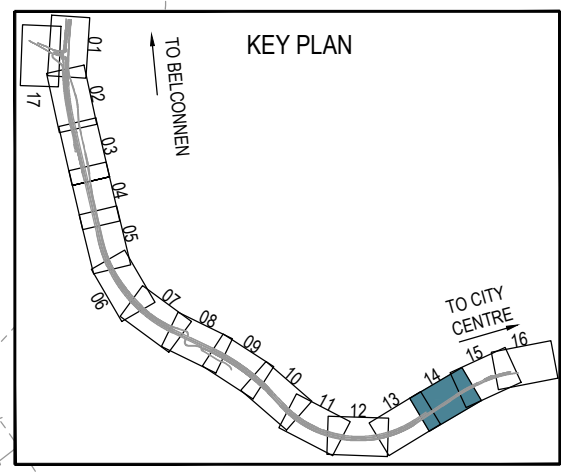
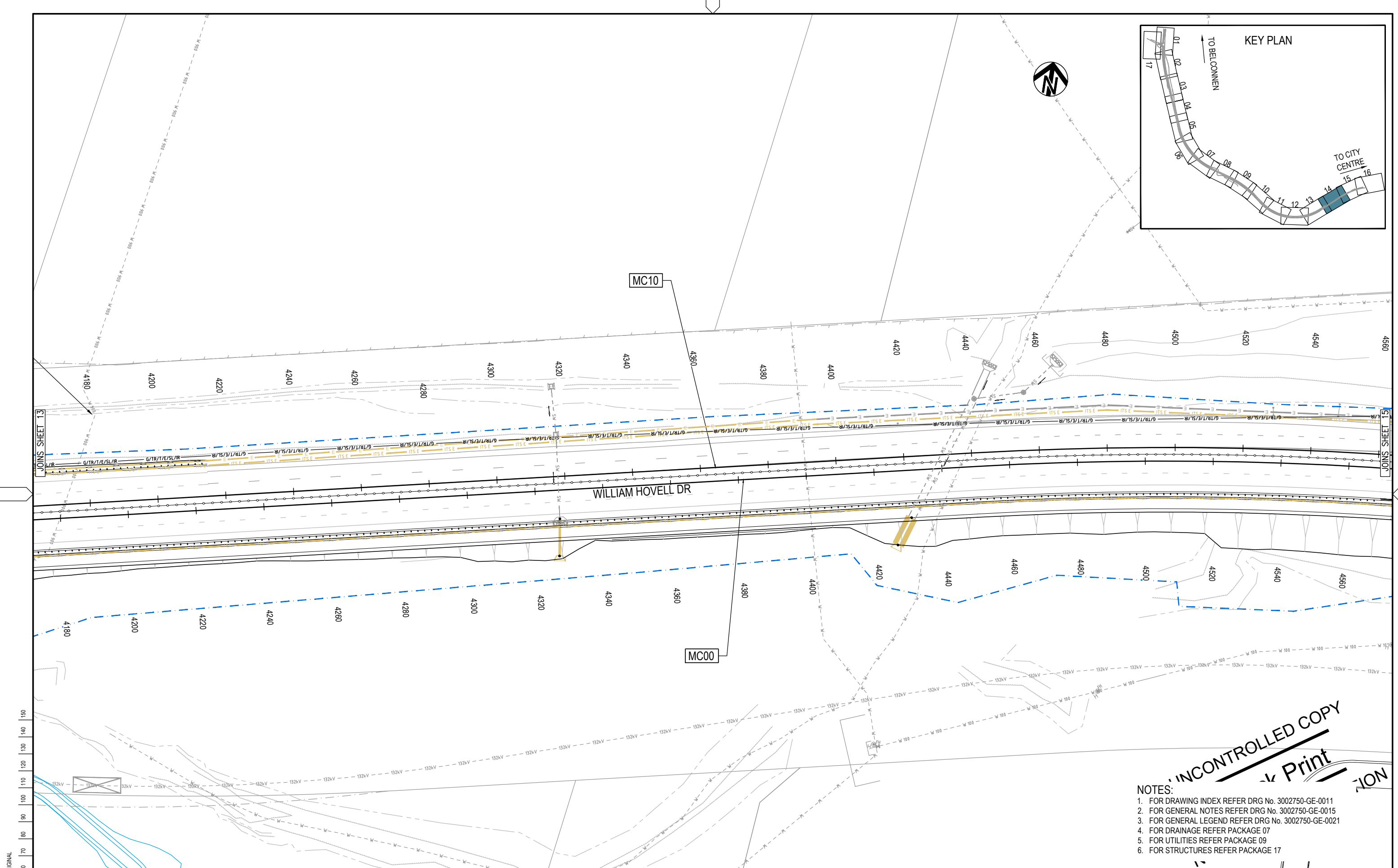
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BACKDRAFTED/CORRECTED			
CONFIRMED			

PROJECT TITLE WILLIAM HOVELL DRIVE DUPLICATION		SCALE AS SHOWN	PHASE PSP	PROJECT / DRAWING No. 3002750-WS-1521	REVISION C.1
<b>SEWER AND WATER SHEET 12</b>					

**REVISION IN PROGRESS**

**DR**





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**Print**

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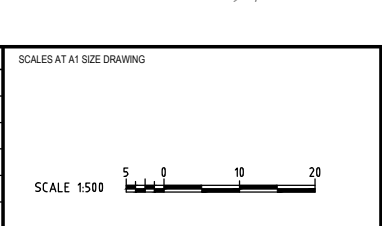
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4. FOR DRAINAGE REFER PACKAGE 07
5. FOR UTILITIES REFER PACKAGE 09
6. FOR STRUCTURES REFER PACKAGE 17

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V:\Vault\Projects\3002750\CAD\DWG\08\_WS\_Sewer\_Water\3002750-WS-1523.dwg

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REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL	TITLE	NAME
A	19.06.2020	PRELIMINARY SKETCH PLAN	0007	DK	DRAFTER	L. HESLOP
B	08.10.2020	PRELIMINARY SKETCH PLAN	0014	DK	DRAFTING CHECK	R. GOOSEN
C	13.11.2020	PRELIMINARY SKETCH PLAN	0015	DK	DESIGNER	A. LEE
D	27.05.2022	DETAIL DESIGN SPAN AND PATH ALIGNMENT CHANGES	0	DK	DESIGN CHECK	R. HUNTER
					PROJECT MANAGER	K. DECANHA
					PROJECT DIRECTOR	D. KEEP

SCALE	DATE	TIME
SCALE 1:500	27 May 2022	12:57:59



DESIGNER

Member of the Surlana Jurong Group  
ABN 47 065 475 149

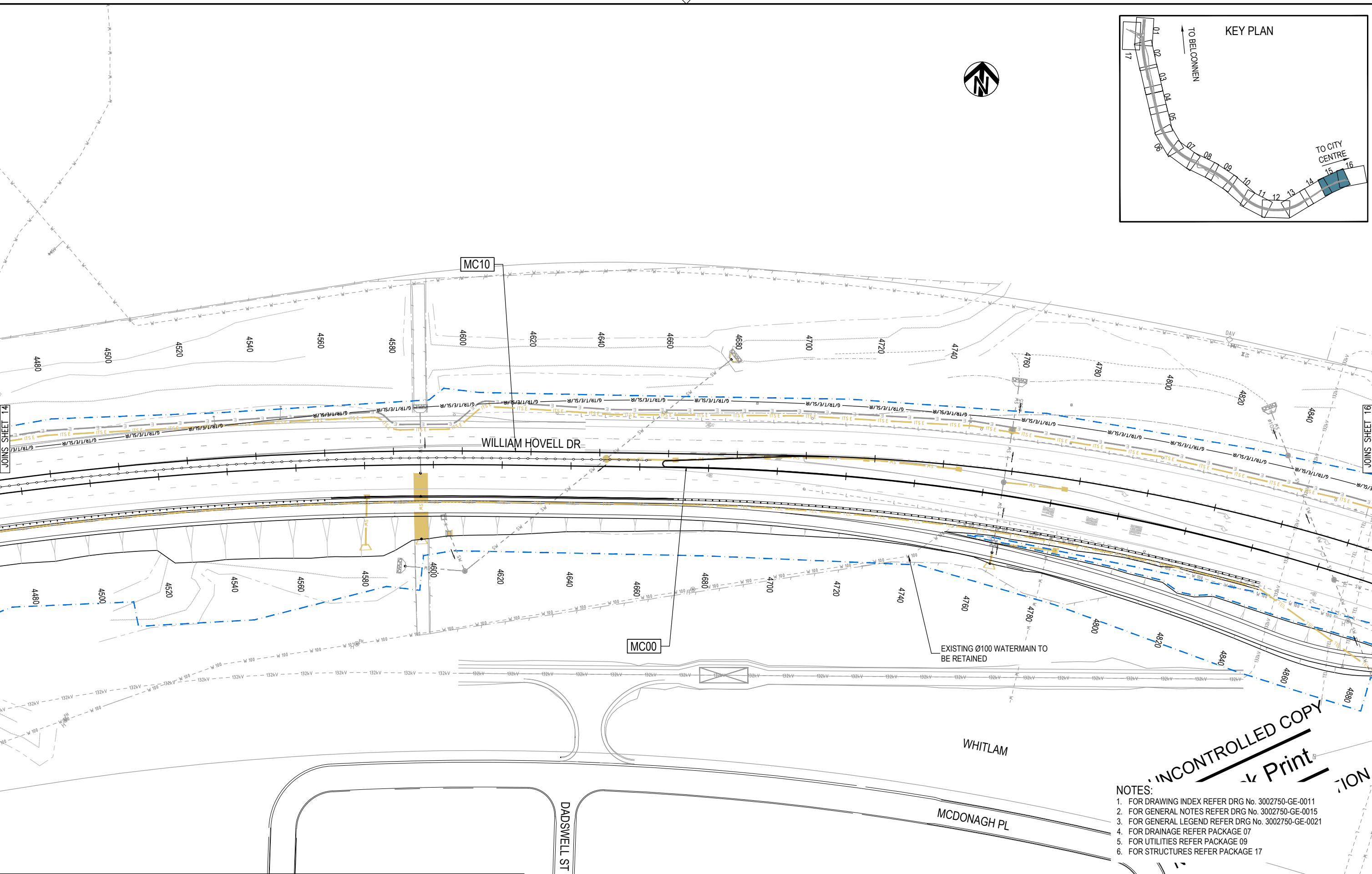
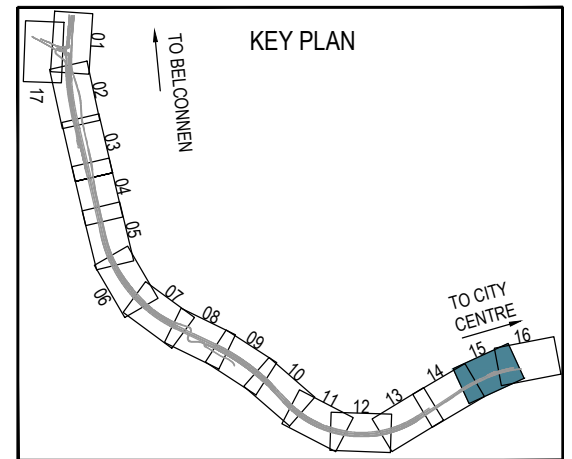
LEVEL 9, 12 MOORE STREET  
CANNBERRA ACT 2601 AUSTRALIA  
SMEC PROJECT No 3002750

DR

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BACKDRAFTED/CORRECTED			
CONFIRMED			

PROJECT TITLE		PROJECT / DRAWING No.	REVISION
WILLIAM HOVELL DRIVE DUPLICATION		3002750-WS-1523	C.1
SCALE	PHASE		
AS SHOWN	PSP		

**REVISION IN PROGRESS**



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- NOTES:
- FOR DRAWING INDEX REFER DRG No. 3002750-GE-0011
  - FOR GENERAL NOTES REFER DRG No. 3002750-GE-0015
  - FOR GENERAL LEGEND REFER DRG No. 3002750-GE-0021
  - FOR DRAINAGE REFER PACKAGE 07
  - FOR UTILITIES REFER PACKAGE 09
  - FOR STRUCTURES REFER PACKAGE 17

150 mm ON ORIGINAL  
A1

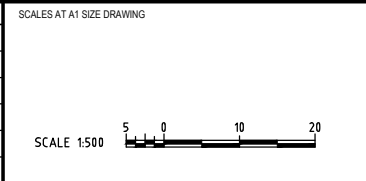
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PLOT DATE  
27 May 2022

TIME  
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REV	DATE	AMENDMENT / REVISION DESCRIPTION
A	19.06.2020	PRELIMINARY SKETCH PLAN
B	08.10.2020	PRELIMINARY SKETCH PLAN
C	13.11.2020	PRELIMINARY SKETCH PLAN
D	27.05.2022	DETAIL DESIGN SPAN AND PATH ALIGNMENT CHANGES

WVR No.	APPROVAL	TITLE	NAME
0007	DK	DRAFTER	L. HESLOP
0014	DK	DRAFTING CHECK	R. GOOSEN
0015	DK	DESIGNER	A. LEE
0	DK	DESIGN CHECK	R. HUNTER
		PROJECT MANAGER	K. DECANHA
		PROJECT DIRECTOR	D. KEEP



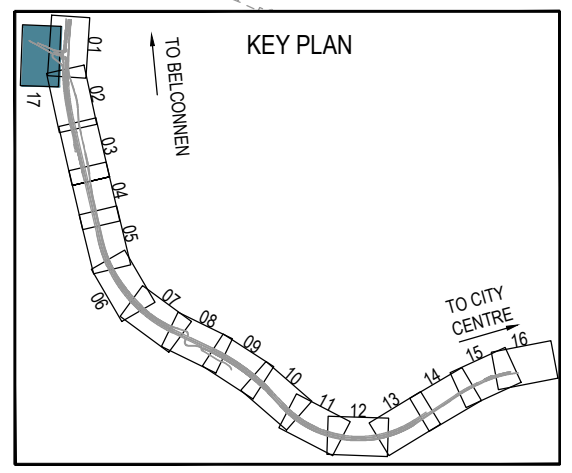
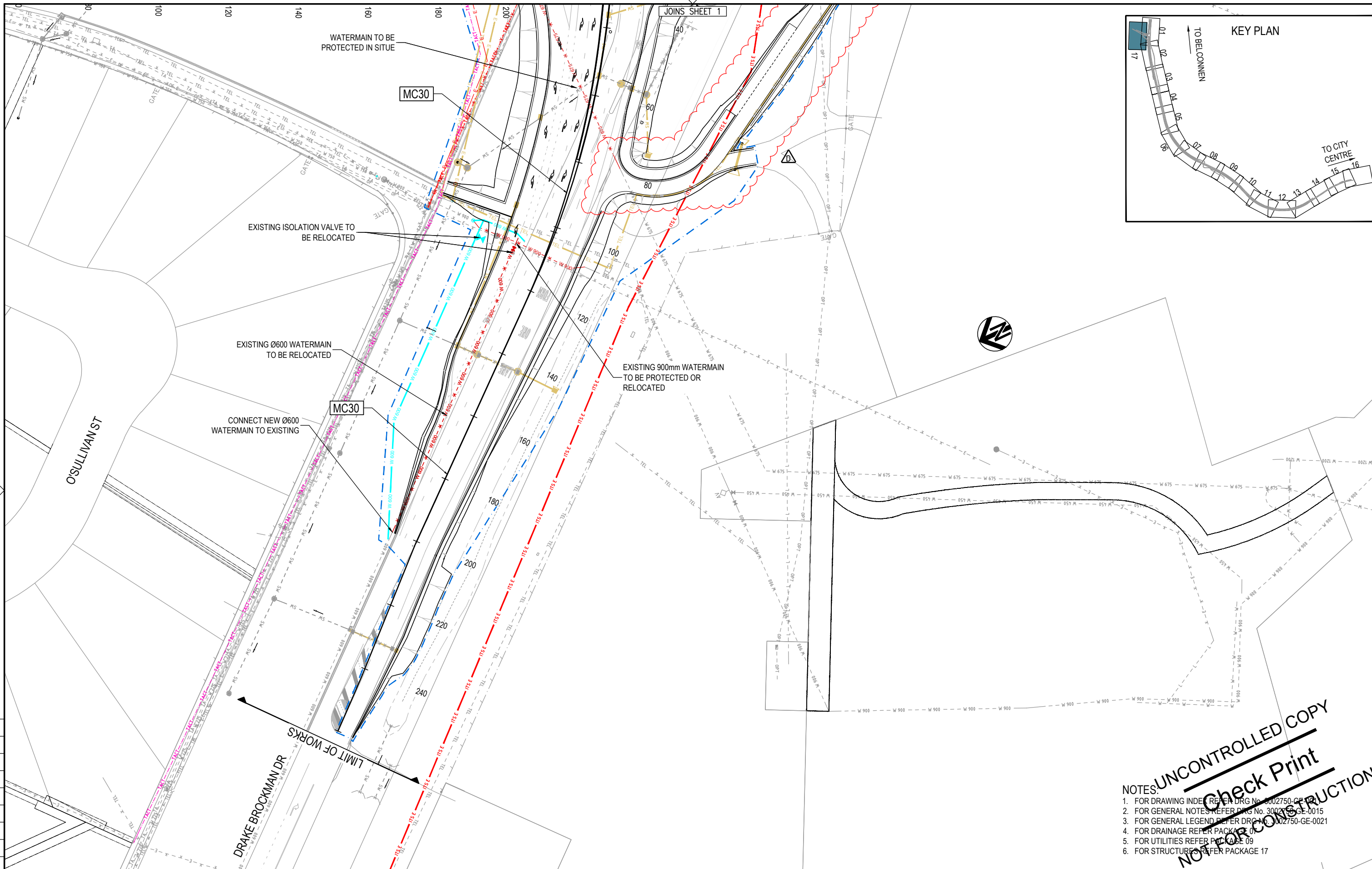
DESIGNER

**SMC**  
Member of the Surbana Jurong Group  
ABN 47 065 475 149  
LEVEL 9, 12 MOORE STREET  
CANBERRA ACT 2601 AUSTRALIA  
SMC PROJECT No 3002750

DISCIPLINE	PRELIM	FINAL
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PROJECT TITLE	WILLIAM HOVELL DRIVE DUPLICATION	
SCALE	PHASE	PROJECT / DRAWING No.
AS SHOWN	PSP	3002750-WS-1524
SHEET		REVISION
SEWER AND WATER SHEET 15		C.1





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 2. FOR GENERAL NOTES REFER DRG No. 3002750-GE-0015  
 3. FOR GENERAL LEGEND REFER DRG No. 3002750-GE-0021  
 4. FOR DRAINAGE REFER PACKAGE 09  
 5. FOR UTILITIES REFER PACKAGE 09  
 6. FOR STRUCTURES REFER PACKAGE 17

150 mm ON ORIGINAL

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REV	DATE	AMENDMENT / REVISION DESCRIPTION
A	19.06.2020	PRELIMINARY SKETCH PLAN
B	08.10.2020	PRELIMINARY SKETCH PLAN
C	13.11.2020	PRELIMINARY SKETCH PLAN SUBMISSION
D	27.05.2022	DETAIL DESIGN STAGE PATH ALIGNMENT CHANGES

WVR No.	APPROVAL	TITLE	NAME
0007	DK	DRAFTER	L. HESLOP
0014	DK	DRAFTING CHECK	R. GOOSEN
0015	DK	DESIGNER	A. LEE
0	DK	DESIGN CHECK	R. HUNTER
		PROJECT MANAGER	K. DECANHA
		PROJECT DIRECTOR	D. KEEP

SCALES AT A1 SIZE DRAWING

SCALE 1:500

DESIGNER

Member of the Surbana Jurong Group  
 ABN 47 065 475 149  
 LEVEL 9, 12 MOORE STREET  
 CANBERRA ACT 2601 AUSTRALIA  
 SMEC PROJECT No 3002750

<b>CHECK PRINT</b>		PRELIM <input type="checkbox"/>	FINAL <input type="checkbox"/>
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BACKDRAFTED/CORRECTED			
CONFIRMED			

PROJECT TITLE WILLIAM HOVELL DRIVE DUPLICATION		REVISION C.1	
SEWER AND WATER SHEET 17		PROJECT / DRAWING No. 3002750-WS-1529	SCALE AS SHOWN
PHASE PSP	AS SHOWN		

DR

**REVISION IN PROGRESS**