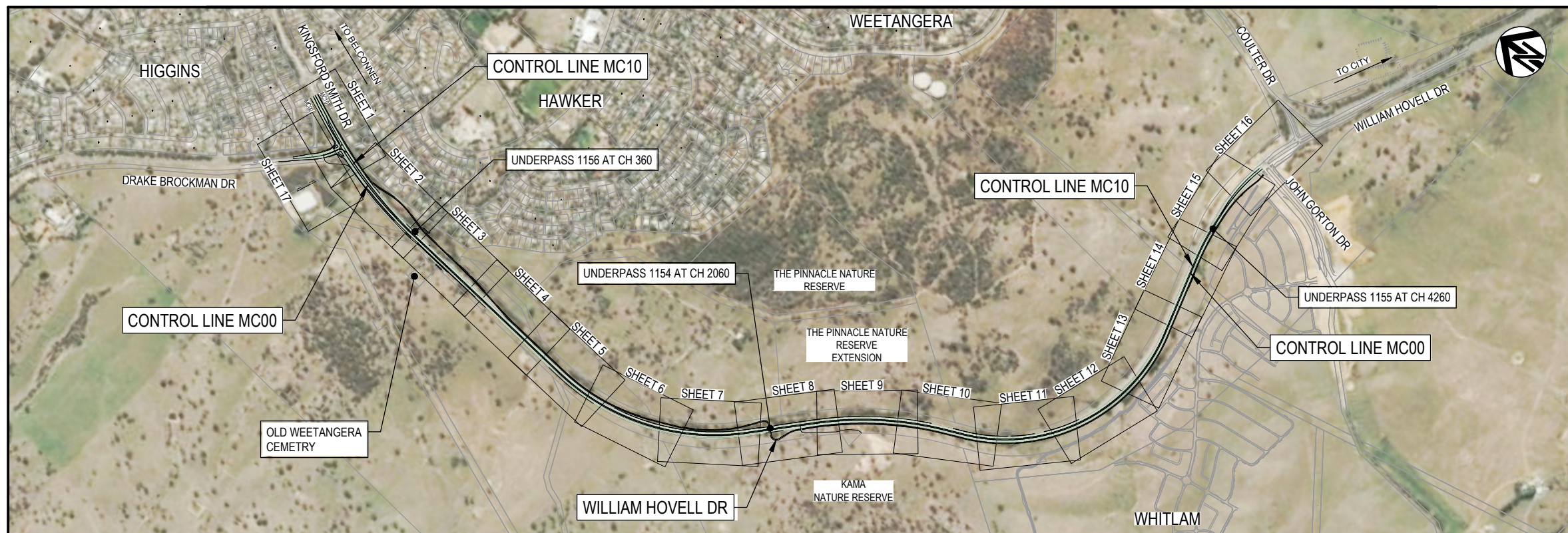
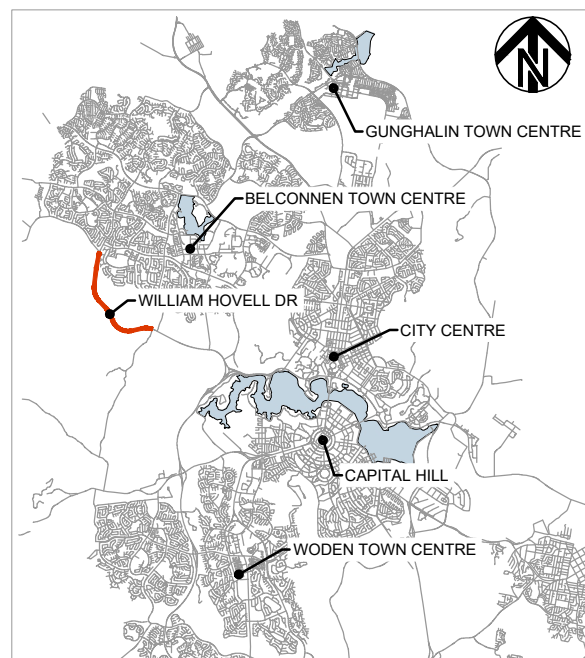


WILLIAM HOVELL DRIVE DUPLICATION PACKAGE 08 SEWER AND WATER



LOCALITY PLAN
SCALE 1:10000

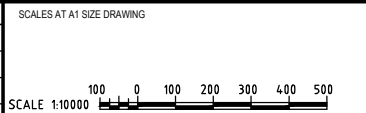


PACKAGE REFERENCES		
PACKAGE 01	INDEX LOCALITY PLAN, GENERAL NOTES, TYPICAL DETAILS AND TYPICAL SECTIONS	GE
PACKAGE 03	GENERAL ARRANGEMENT PLAN	RD
PACKAGE 04	ROAD ALIGNMENT PLAN	RD
PACKAGE 05	LONGITUDINAL SECTIONS	LS
PACKAGE 06	CROSS SECTIONS	XS
PACKAGE 07	DRAINAGE	DD
PACKAGE 08	SEWER AND WATER	WS
PACKAGE 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
PACKAGE 17	STRUCTURES	ST
PACKAGE 22	CONSTRUCTION STAGING	CS

150 mm ON ORIGINAL

DRAWING FILE LOCATION / NAME V:_Vault\Projects\3002750\CAD\DWG\08_WS_Sewer_Water\3002750-WS-1500.dwg		PLOT DATE 13 Nov 2020		TIME 09:20:28	
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	B	08.10.2020	PRELIMINARY SKETCH PLAN	0014	DK
	C	13.11.2020	PRELIMINARY SKETCH PLAN SUBMISSION	0015	DK

APPROVAL	TITLE	NAME
DK	DRAFTER	R. GOOSEN
DK	DRAFTING CHECK	K. CURLEY
DK	DESIGNER	M. HARTY
	DESIGN CHECK	T. NIELSEN
	PROJECT MANAGER	S. RAVEN
	PROJECT DIRECTOR	D. KEEP



DESIGNER

SMC
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LYNEHAM ACT 2602 AUSTRALIA
SMC PROJECT No 3002750

CLIENT

ACT
Government
Transport Canberra & City Services

PROJECT TITLE WILLIAM HOVELL DRIVE DUPLICATION			
SEWER AND WATER COVER SHEET			
SCALE AS SHOWN	PHASE PSP	PROJECT / DRAWING No. 3002750-WS-1500	REVISION C

PRELIMINARY

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 DI1. 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

150 mm ON ORIGINAL
A1

DRAWING FILE LOCATION / NAME V:_Vault\Projects\3002750\CAD\DWG\08_WS_Sewer_Water\3002750-WS-1501.dwg		PLOT DATE 13 Nov 2020		TIME 09:20:55	
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B	08.10.2020	PRELIMINARY SKETCH PLAN	0014	DK	DRAFTING CHECK <i>K. CURLEY</i>
C	13.11.2020	PRELIMINARY SKETCH PLAN SUBMISSION	0015	DK	DESIGNER <i>M. HARTY</i>
					DESIGN CHECK <i>T. NIELSEN</i>
					PROJECT MANAGER <i>S. RAVEN</i>
					PROJECT DIRECTOR <i>D. KEEP</i>

SCALES AT A1 SIZE DRAWING

DESIGNER



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SMEC PROJECT No 3002750

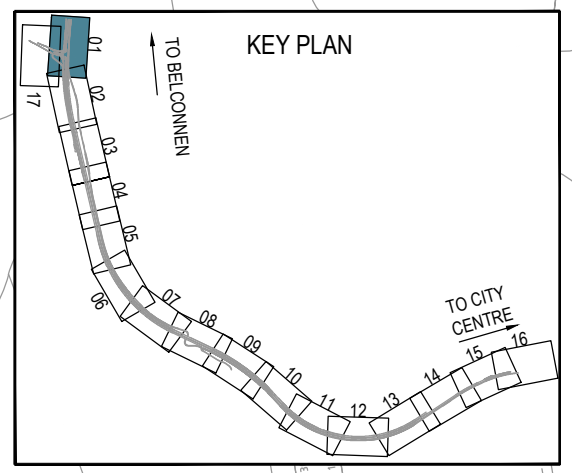
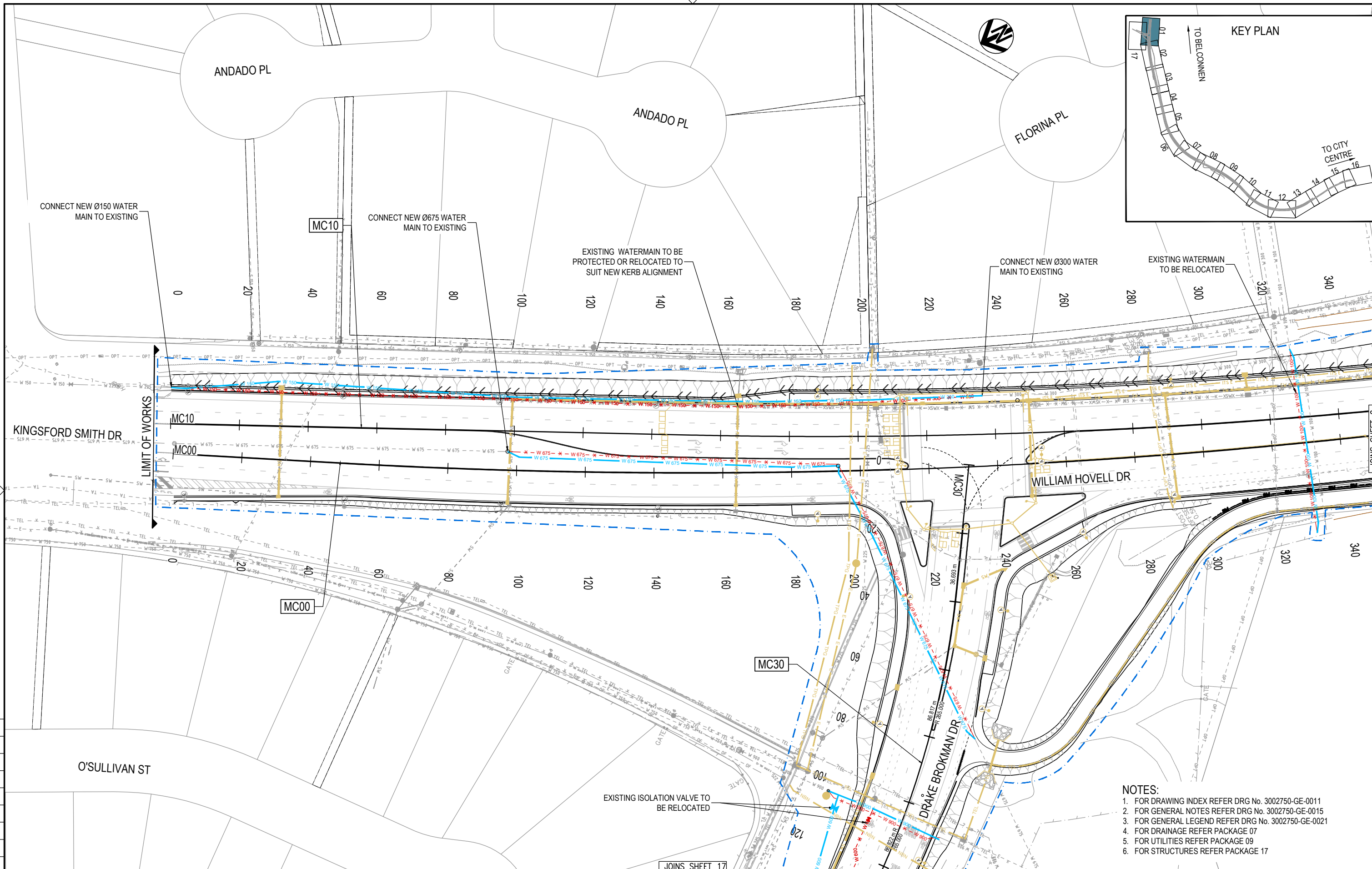
CLIENT



ACT
Government
Transport Canberra & City Services

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

PRELIMINARY



- 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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AS SHOWN	13 Nov 2020	09:21:27											
SCALE	DATE	TIME											
AS SHOWN	13 Nov 2020	09:21:27											

SCALES AT A1 SIZE DRAWING

SCALE 1:500

DESIGNER

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© ABN 47 065 475 149
SUITE 2, LEVEL 1, 243 NORTHBOURNE AVENUE
LYNEHAM ACT 2602 AUSTRALIA
SMEC PROJECT No 3002750

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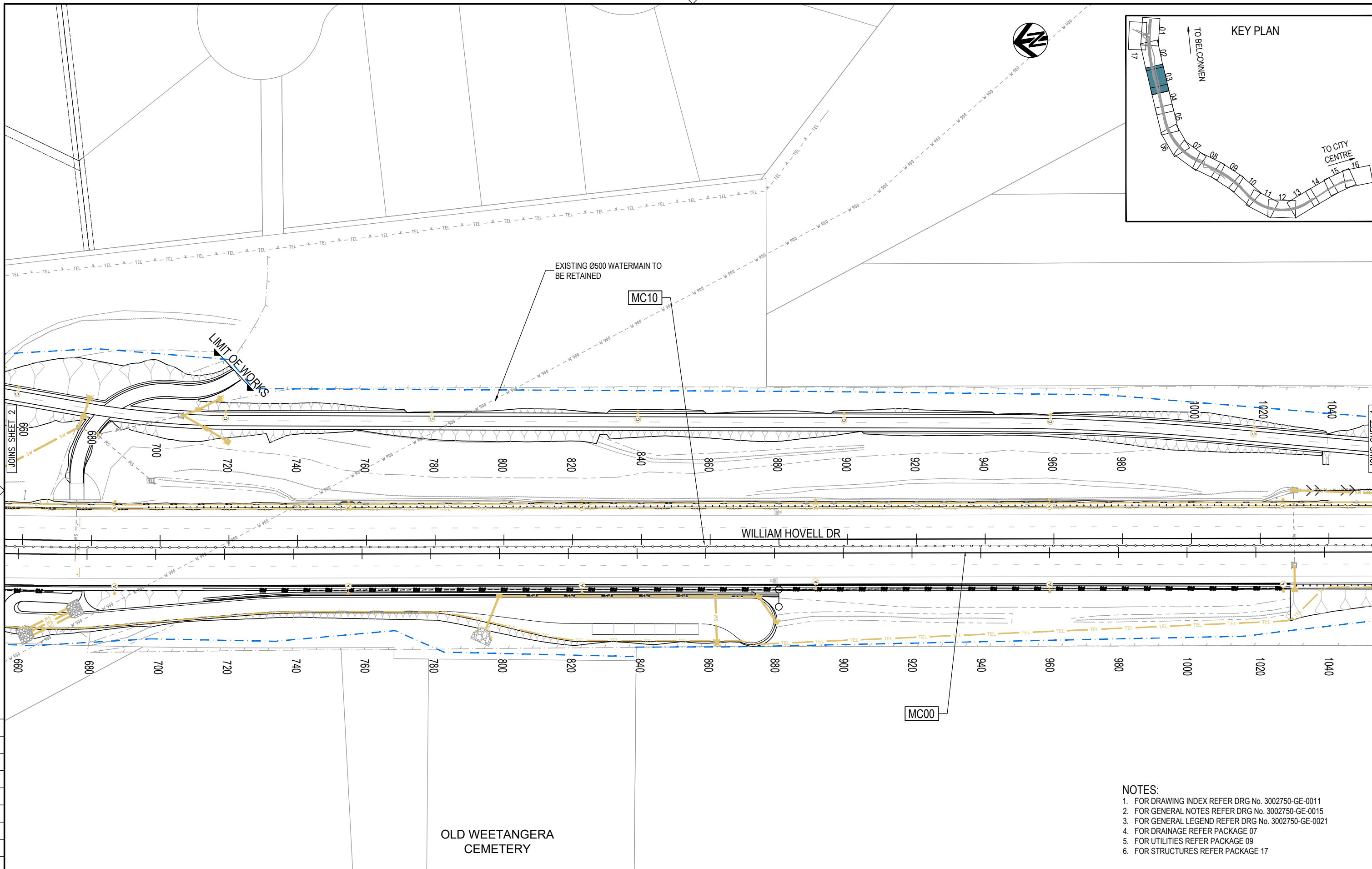
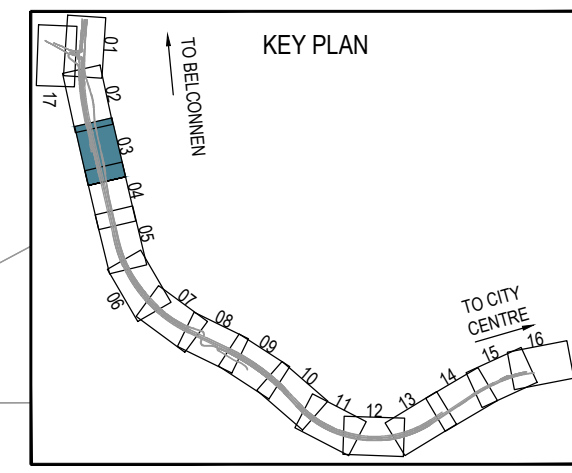
ACT
Government
Transport Canberra & City Services

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

PRELIMINARY

JOINS SHEET 17

2 SHEET

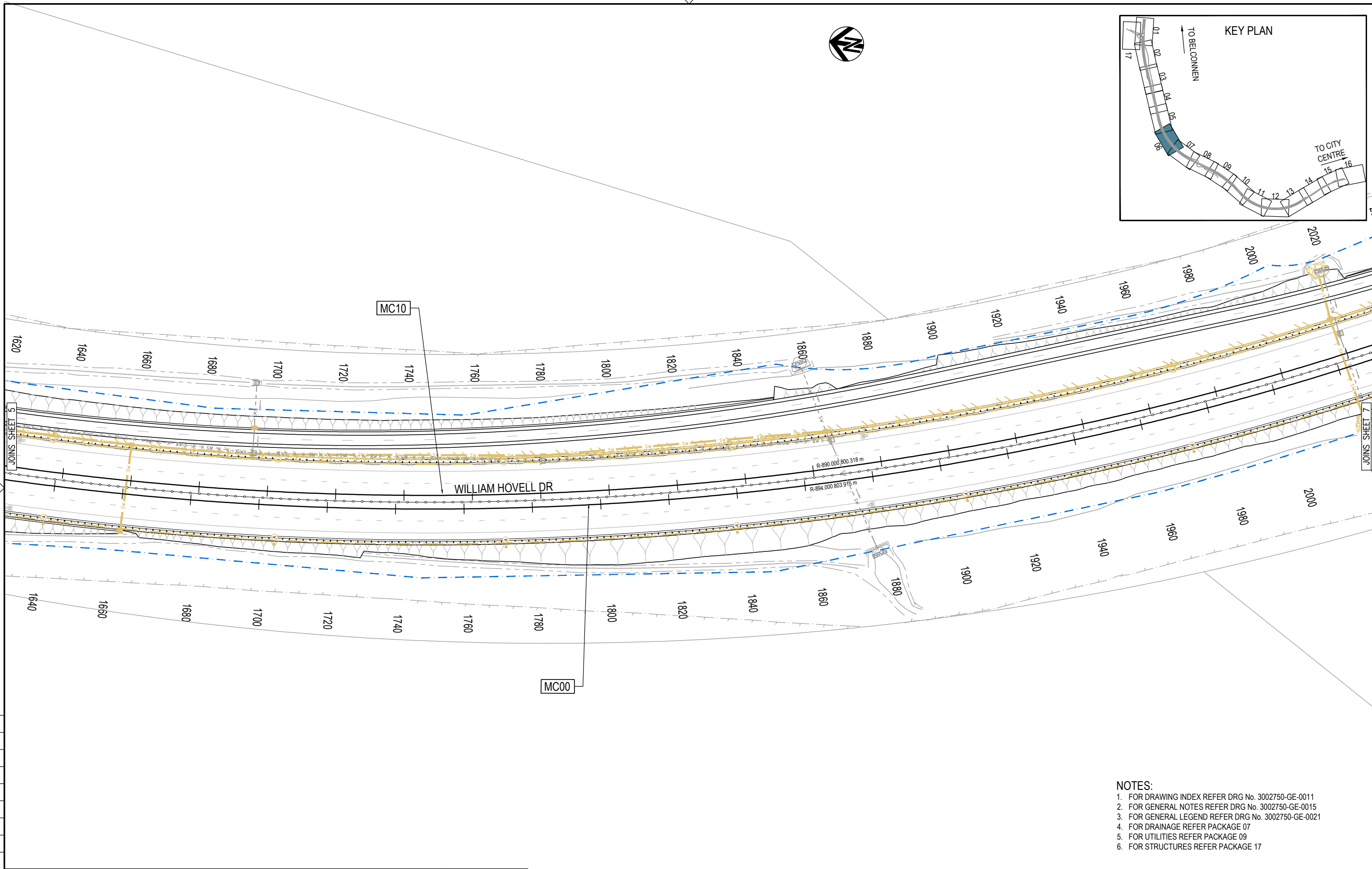
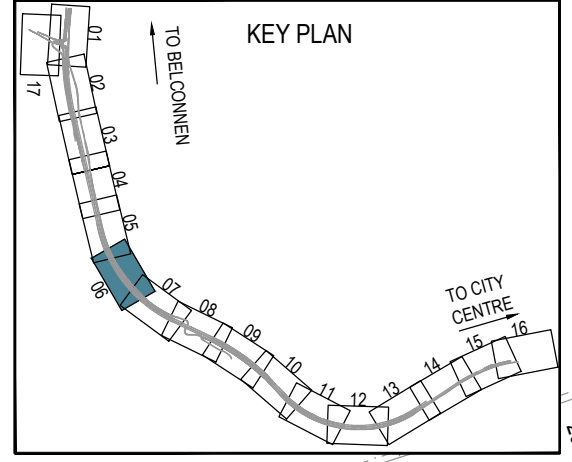


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 2. FOR GENERAL NOTES REFER DRG No. 3002750-GE-0015
 3. FOR GENERAL LEGEND REFER DRG No. 3002750-GE-0021
 4. FOR DRAINAGE REFER PACKAGE 07
 5. FOR UTILITIES REFER PACKAGE 09
 6. FOR STRUCTURES REFER PACKAGE 17

PRELIMINARY

150 mm ON ORIGINAL

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SMEC		0007	DK	DRAFTER	R. GOOSEN
Member of the Surbana Jurong Group		0014	DK	DRAFTING CHECK	K. CURLEY
SMEC AUSTRALIA PTY LTD		0015	DK	DESIGNER	M. HARTY
© ABN 47 065 475 149				DESIGN CHECK	T. NIELSEN
SUITE 2, LEVEL 1, 243 NORTHBOURNE AVENUE				PROJECT MANAGER	S. RAVEN
LYNEHAM ACT 2602 AUSTRALIA				PROJECT DIRECTOR	D. KEEP
SMEC PROJECT No 3002750		SCALES AT A1 SIZE DRAWING		SCALE 1:500	
DESIGNER		CLIENT		PROJECT TITLE	
SMEC		ACT Government Transport Canberra & City Services		WILLIAM HOVELL DRIVE DUPLICATION	
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SCALE	PHASE	PROJECT / DRAWING No.		REVISION	
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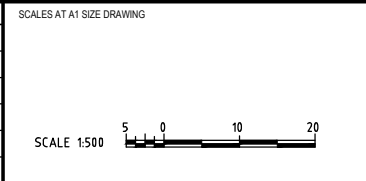


- NOTES:
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150 mm ON ORIGINAL

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DRAFTER	R. GOOSEN
DRAFTING CHECK	K. CURLEY
DESIGNER	M. HARTY
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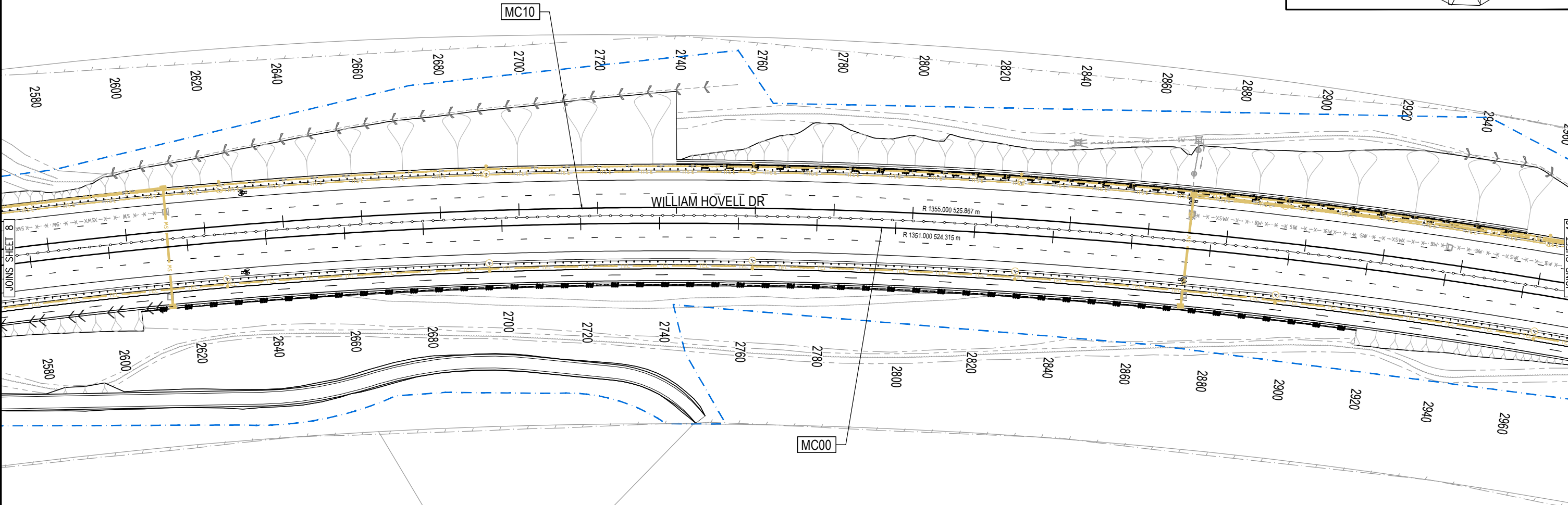
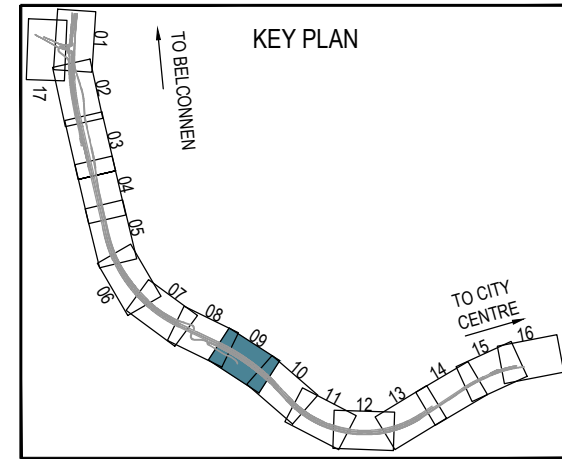
ACT
Government
Transport Canberra & City Services

PROJECT TITLE WILLIAM HOVELL DRIVE DUPLICATION		PROJECT / DRAWING No. 3002750-WS-1515		REVISION C
SCALE AS SHOWN	PHASE PSP			

PRELIMINARY

SEWER AND WATER SHEET 6

THE PINNACLE NATURE RESERVE



KAMA NATURE RESERVE

- 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
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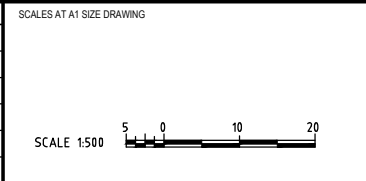
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PLOT DATE 13 Nov 2020
TIME 09:25:46

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	C	13.11.2020	PRELIMINARY SKETCH PLAN SUBMISSION

WVR No.	APPROVAL	TITLE	NAME
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0015	DK	DESIGNER	M. HARTY
		DESIGN CHECK	T. NIELSEN
		PROJECT MANAGER	S. RAVEN
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DESIGNER

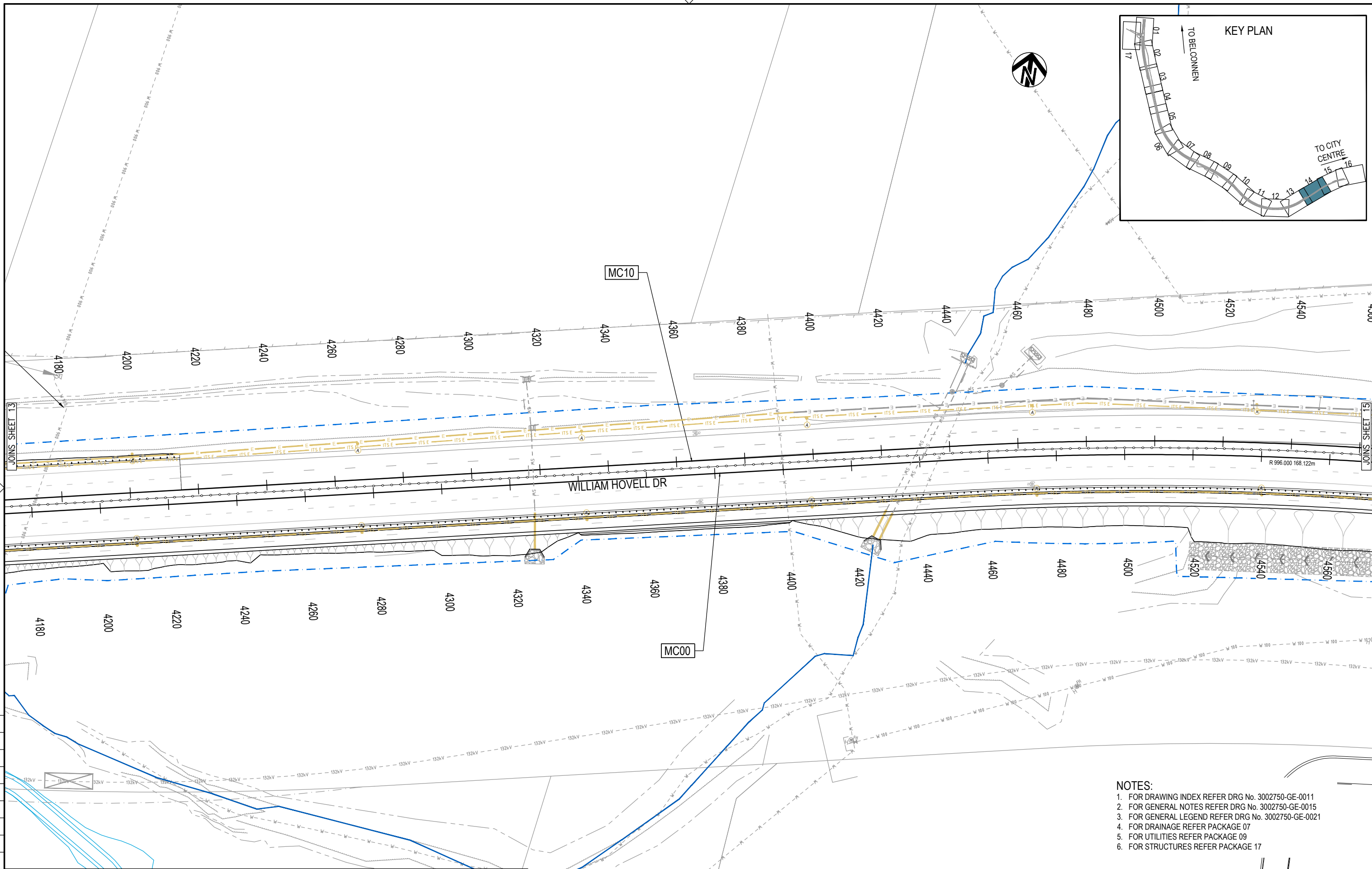
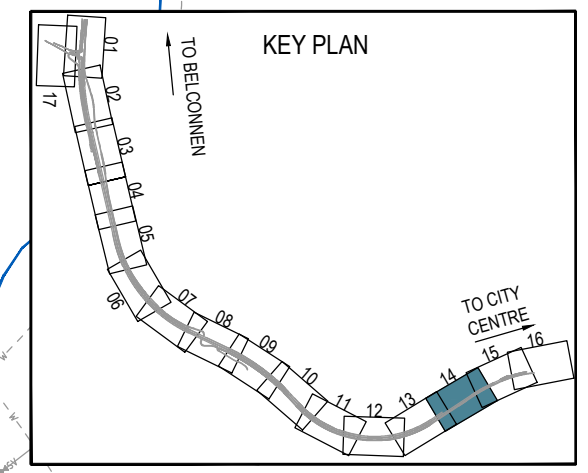
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SMEC PROJECT No 3002750

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

PRELIMINARY



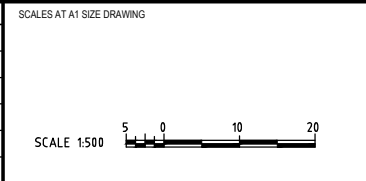
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PRELIMINARY

150 mm ON ORIGINAL

DRAWING FILE LOCATION / NAME V:\Vault\Projects\3002750\CAD\DWG\08_WS_Sewer_Water\3002750-WS-1523.dwg		<table border="1"> <tr> <th>REV</th> <th>DATE</th> <th>AMENDMENT / REVISION DESCRIPTION</th> </tr> <tr> <td>A</td> <td>19.06.2020</td> <td>PRELIMINARY SKETCH PLAN</td> </tr> <tr> <td>B</td> <td>08.10.2020</td> <td>PRELIMINARY SKETCH PLAN</td> </tr> <tr> <td>C</td> <td>13.11.2020</td> <td>PRELIMINARY SKETCH PLAN SUBMISSION</td> </tr> </table>	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																								
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DESIGNER

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SMEC PROJECT No 3002750

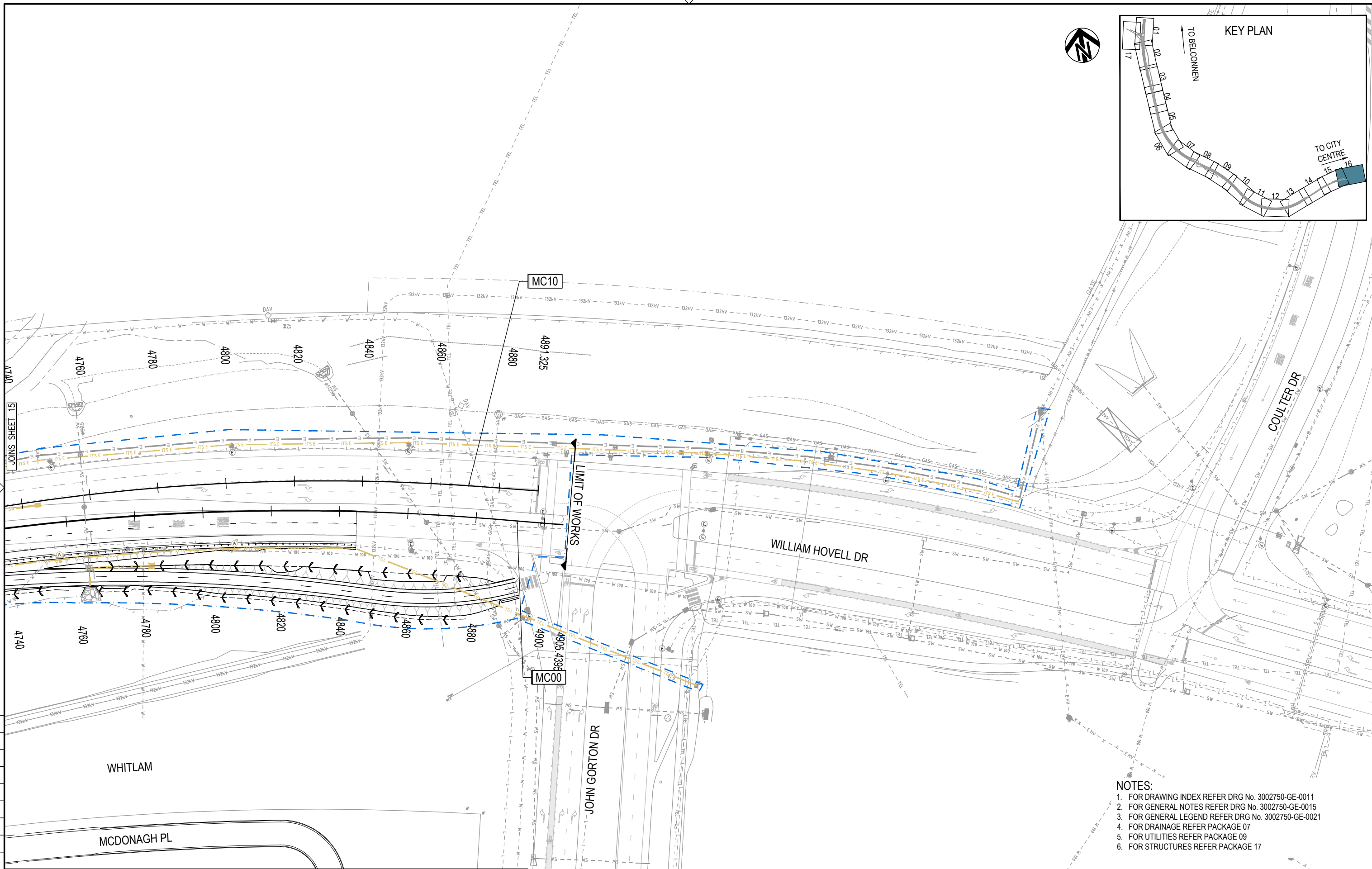
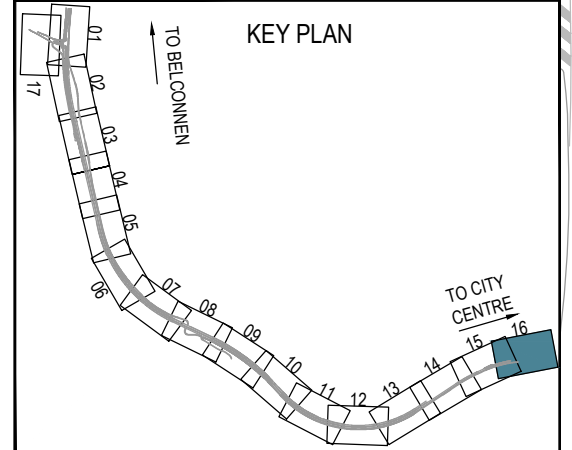
CLIENT

ACT
Government
Transport Canberra & City Services

PROJECT TITLE

WILLIAM HOVELL DRIVE DUPLICATION

SEWER AND WATER
SHEET 14



- 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
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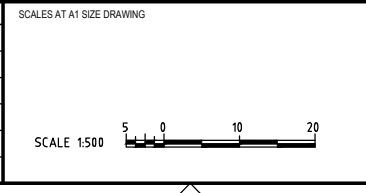
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PLOT DATE: 13 Nov 2020
TIME: 09:29:29

REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL	TITLE	NAME
A	19.06.2020	PRELIMINARY SKETCH PLAN	0007	DK	DRAFTER	R. GOOSEN
B	08.10.2020	PRELIMINARY SKETCH PLAN	0014	DK	DRAFTING CHECK	K. CURLEY
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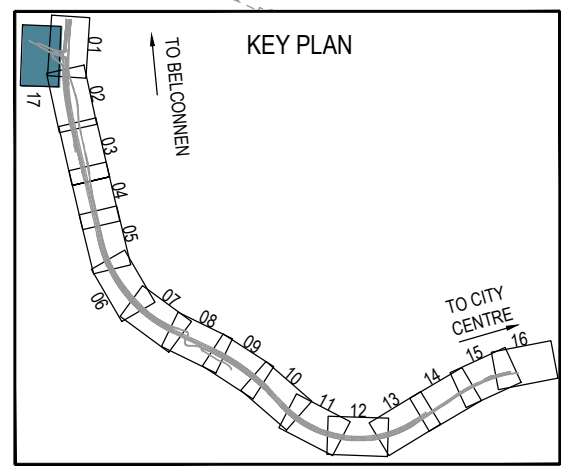
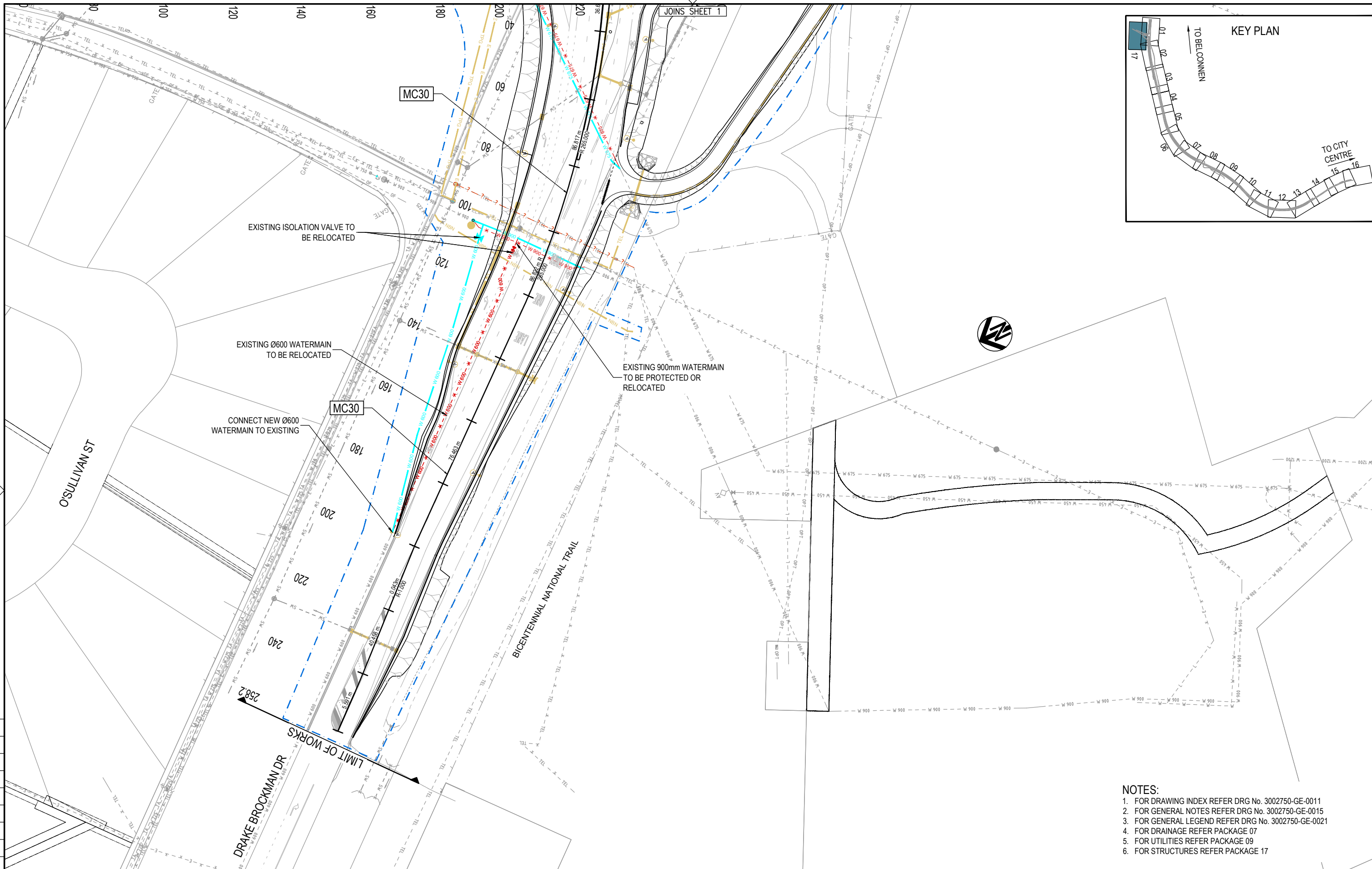
DESIGNER

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Transport Canberra & City Services

PROJECT TITLE		WILLIAM HOVELL DRIVE DUPLICATION	
		SEWER AND WATER SHEET 16	
SCALE	PHASE	PROJECT / DRAWING No.	REVISION
AS SHOWN	PSP	3002750-WS-1525	C



150 mm ON ORIGINAL

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DRAWING FILE LOCATION / NAME V:\Vault\Projects\3002750\CAD\DWG\08_WS_Sewer_Water\3002750-WS-1529.dwg		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL	TITLE	NAME
EXTERNAL REFERENCE FILES		A	19.06.2020	PRELIMINARY SKETCH PLAN	0007	DK	DRAFTER	R. GOOSEN
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SCALE	AS SHOWN
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REVISION	C

DESIGNER	SMEC Member of the Surlana Jurong Group SMEC AUSTRALIA PTY LTD © ABN 47 065 475 149 SUITE 2, LEVEL 1, 243 NORTHBOURNE AVENUE LYNEHAM ACT 2602 AUSTRALIA SMEC PROJECT No 3002750
CLIENT	ACT Government Transport Canberra & City Services

PROJECT TITLE	WILLIAM HOVELL DRIVE DUPLICATION
SEWER AND WATER SHEET 17	

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