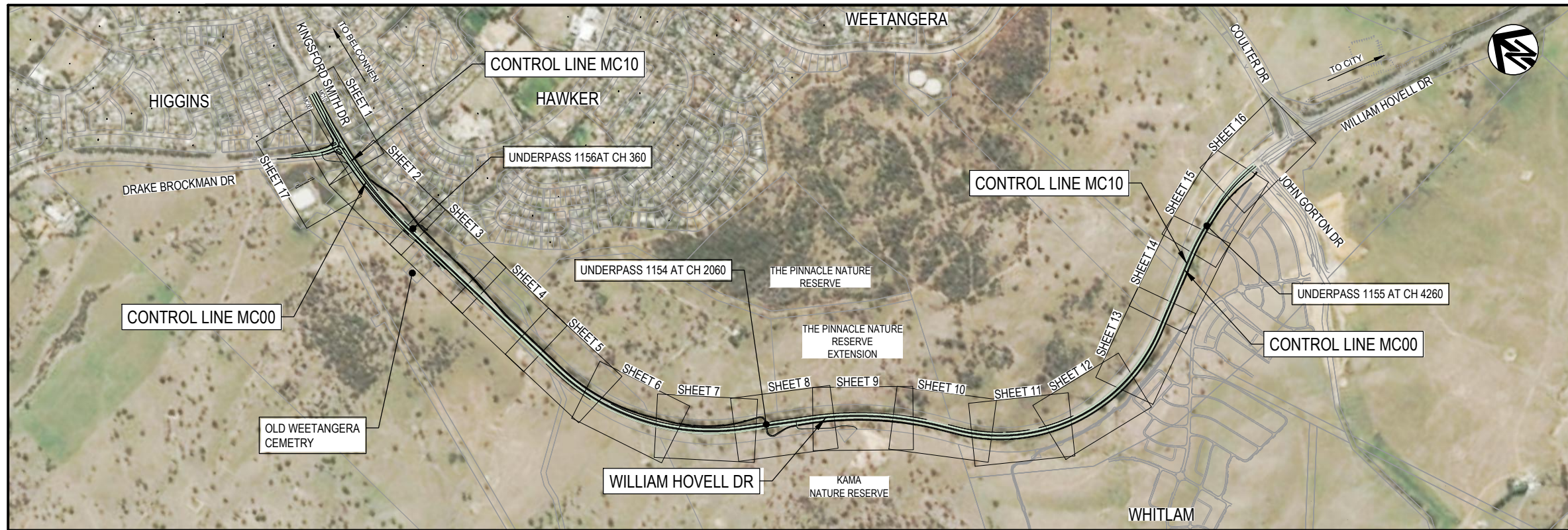
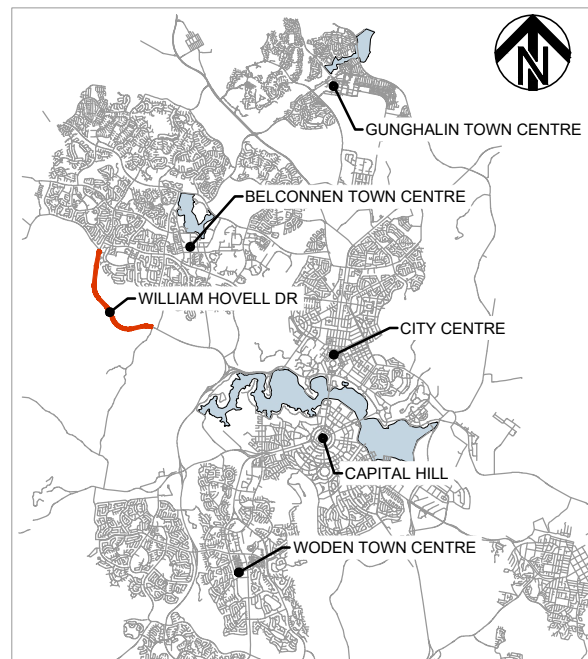


WILLIAM HOVELL DRIVE DUPLICATION PACKAGE 09 UTILITIES - TELECOMMUNICATIONS, ITS, AND ELECTRICAL



LOCALITY PLAN
SCALE 1:10000

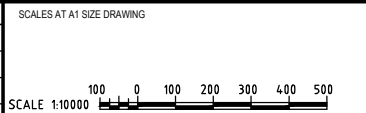


PACKAGE REFERENCES		
PACKAGE 01	INDEX LOCALITY PLAN, GENERAL NOTES, TYPICAL DETAILS AND TYPICAL SECTIONS	GE
PACKAGE 03	GENERAL ARRANGEMENT PLAN	RD
PACKAGE 04	ROAD ALIGNMENT PLAN	RD
PACKAGE 05	LONGITUDINAL SECTIONS	LS
PACKAGE 06	CROSS SECTIONS	XS
PACKAGE 07	DRAINAGE	DD
PACKAGE 08	SEWER AND WATER	WS
PACKAGE 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
A1

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A	19.06.2020	PRELIMINARY SKETCH PLAN	0007	DK	DRAFTER
B	08.10.2020	PRELIMINARY SKETCH PLAN	0014	DK	DRAFTING CHECK
C	13.11.2020	PRELIMINARY SKETCH PLAN SUBMISSION	0015	DK	DESIGNER

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



DESIGNER

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LYNEHAM ACT 2602 AUSTRALIA
SMEC PROJECT No 3002750

CLIENT

ACT
Government
Transport Canberra & City Services

PROJECT TITLE		WILLIAM HOVELL DRIVE DUPLICATION	
UTILITIES COVER SHEET			
SCALE	PHASE	PROJECT / DRAWING No.	REVISION
AS SHOWN	PSP	3002750-UT-1600	C














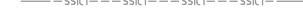


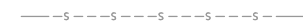






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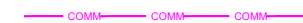













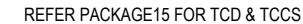
UTILITIES NOTES:

- UTILITY DESIGNS SHOWN ON THE UTILITIES DRAWINGS ARE INDICATIVE ONLY. THE CONTRACTOR SHALL REFER TO INDIVIDUAL UTILITY PROVIDER DETAILED DESIGNS AND SCOPE OF WORKS TO CONFIRM REQUIREMENTS.
- ALL SERVICE TRENCHES IN EXISTING PAVEMENT OR IN AREAS WHERE NEW PAVEMENT IS REQUIRED TO BE CONSTRUCTED SHALL BE BACKFILLED WITH DGS20. UPON BACKFILLING AND COMPACTION TO HALFWAY UP THE SERVICE TRENCH, WELL GRADED SAND SHALL BE HOSED IN WITH WATER TO FILL ANY VOIDS. ONCE THE SAND COVER EXCEEDS 300mm, THE UPPER PORTION OF THE TRENCH SHALL BE BACKFILLED WITH DGS20 AND COMPACTED WITH HAND HELD COMPACTION EQUIPMENT.
- EXISTING SERVICES HAVE BEEN PLOTTED FROM SUPPLIED DATA AND AS SUCH THEIR ACCURACY CANNOT BE GUARANTEED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH THE LOCATION AND LEVEL OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF ANY WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE SUPERINTENDENT IN WRITING.
- THE CONTRACTOR SHALL ALLOW FOR THE CAPPING OFF, EXCAVATION AND REMOVAL IF REQUIRED OF ALL REDUNDANT EXISTING SERVICES IN AREAS AFFECTED BY WORKS WITHIN THE CONTRACT AREA, AS SHOWN ON THE DRAWINGS UNLESS DIRECTED OTHERWISE BY THE SUPERINTENDENT.
- THE CONTRACTOR SHALL ENSURE THAT AT ALL TIMES SERVICES TO ALL BUILDINGS NOT AFFECTED BY THE WORKS ARE NOT DISRUPTED.
- IF REQUIRED, THE CONTRACTOR SHALL CONSTRUCT TEMPORARY SERVICES TO MAINTAIN EXISTING SUPPLY TO BUILDINGS REMAINING IN OPERATION DURING WORKS TO THE SATISFACTION AND APPROVAL OF THE SUPERINTENDENT. ONCE DIVERSION IS COMPLETE AND COMMISSIONED THE CONTRACTOR SHALL REMOVE ALL SUCH TEMPORARY SERVICES AND MAKE GOOD TO THE SATISFACTION OF THE SUPERINTENDENT AND THE RELEVANT SERVICE AUTHORITY.
- INTERRUPTION TO SUPPLY OF EXISTING SERVICES SHALL BE DONE SO AS NOT TO CAUSE ANY INCONVENIENCE TO THE PRINCIPAL. THE CONTRACTOR IS TO GAIN APPROVAL FROM THE SUPERINTENDENT FOR TIME OF INTERRUPTION - THE CONTRACTOR IS RESPONSIBLE FOR ALL LIAISON.
- CLEARANCE AND COVER REQUIREMENTS SHALL BE OBTAINED FROM THE RELEVANT SERVICE AUTHORITY BEFORE COMMENCEMENT OF WORKS AND SHALL BE ADHERED TO AT ALL TIMES.
- TELECOMMUNICATIONS DIVERSIONS SHOWN INDICATE CHANGE IN UTILITY ALIGNMENT. ACTUAL LENGTH OF REPLACEMENT MAY EXTEND BEYOND THAT SHOWN DEPENDING ON SERVICE PROVIDER REQUIREMENTS.

LEGEND
















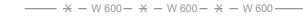
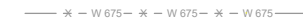
EXISTING

-  CADASTRAL BOUNDARY
-  FENCE
-  KERB / EDGE OF BITUMEN
-  STORMWATER PIPE, MANHOLE & SUMP
-  LOW VOLTAGE OVERHEAD POWER LINE
-  STREETLIGHT CABLE
-  UNDERGROUND LOW VOLTAGE POWER LINE
-  TELECOMMUNICATIONS ICON
-  TELECOMMUNICATIONS NBN
-  TELECOMMUNICATIONS NEXTGEN
-  TELECOMMUNICATIONS OPTUS
-  SHARED SERVICES TRENCH
-  TELECOMMUNICATIONS TACT
-  TELECOMMUNICATIONS TELSTRA
-  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

- PROPOSED WORKS**
-  ITS CONDUIT
 -  TELECOMMUNICATIONS
 -  TELECOMMUNICATIONS NBN
 -  TELECOMMUNICATIONS TELSTRA
 -  TELECOMMUNICATIONS TPG
 -  ELECTRICITY LOW VOLTAGE UNDERGROUND
 -  POWER POLE
 -  STREETLIGHT TO BE REMOVED
 -  TELECOMMUNICATIONS OPTUS TO BE REMOVED
 -  TELECOMMUNICATIONS TELSTRA TO BE REMOVED
 -  CONSTRUCTION BOUNDARY
 -  BICENTENNIAL TRAIL
 -  PEDESTAL
 -  COMBINED USE
 -  MAST ARM
 -  CONDUIT

NOTE:
REFER PACKAGE15 FOR TCD & TCCS

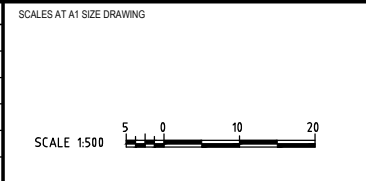
NOTE:
REFER PACKAGE 07 FOR DRAINAGE
REFER PACKAGE 08 FOR WATER AND SEWER

-  Ø100 WATERMAIN
-  Ø150 WATERMAIN
-  Ø600 WATERMAIN
-  Ø675 WATERMAIN
-  Ø900 WATERMAIN
-  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
-  WATERMAIN Ø600 TO BE DECOMMISSIONED
-  WATERMAIN Ø900 TO BE DECOMMISSIONED
-  WATERMAIN Ø675 TO BE DECOMMISSIONED
-  WATERMAIN Ø150 TO BE DECOMMISSIONED
-  WATERMAIN Ø100 TO BE DECOMMISSIONED
-  STORMWATER PIPES/PITS TO BE REMOVED
-  132kV PROPOSED UTILITY BY OTHERS

150 mm ON ORIGINAL

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B	08.10.2020	PRELIMINARY SKETCH PLAN	0014	DK	DRAFTING CHECK	K. CURLEY
C	13.11.2020	PRELIMINARY SKETCH PLAN SUBMISSION	0015	DK	DESIGNER	M. HARTY
					DESIGN CHECK	T. NIELSEN
					PROJECT MANAGER	S. RAVEN
					PROJECT DIRECTOR	D. KEEP



DESIGNER



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LYNEHAM ACT 2602 AUSTRALIA
SMEC PROJECT No 3002750

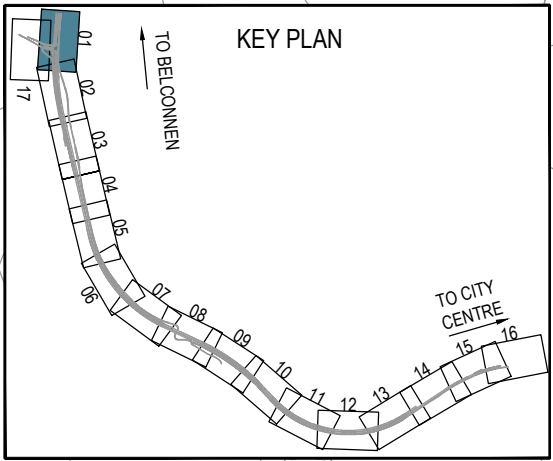
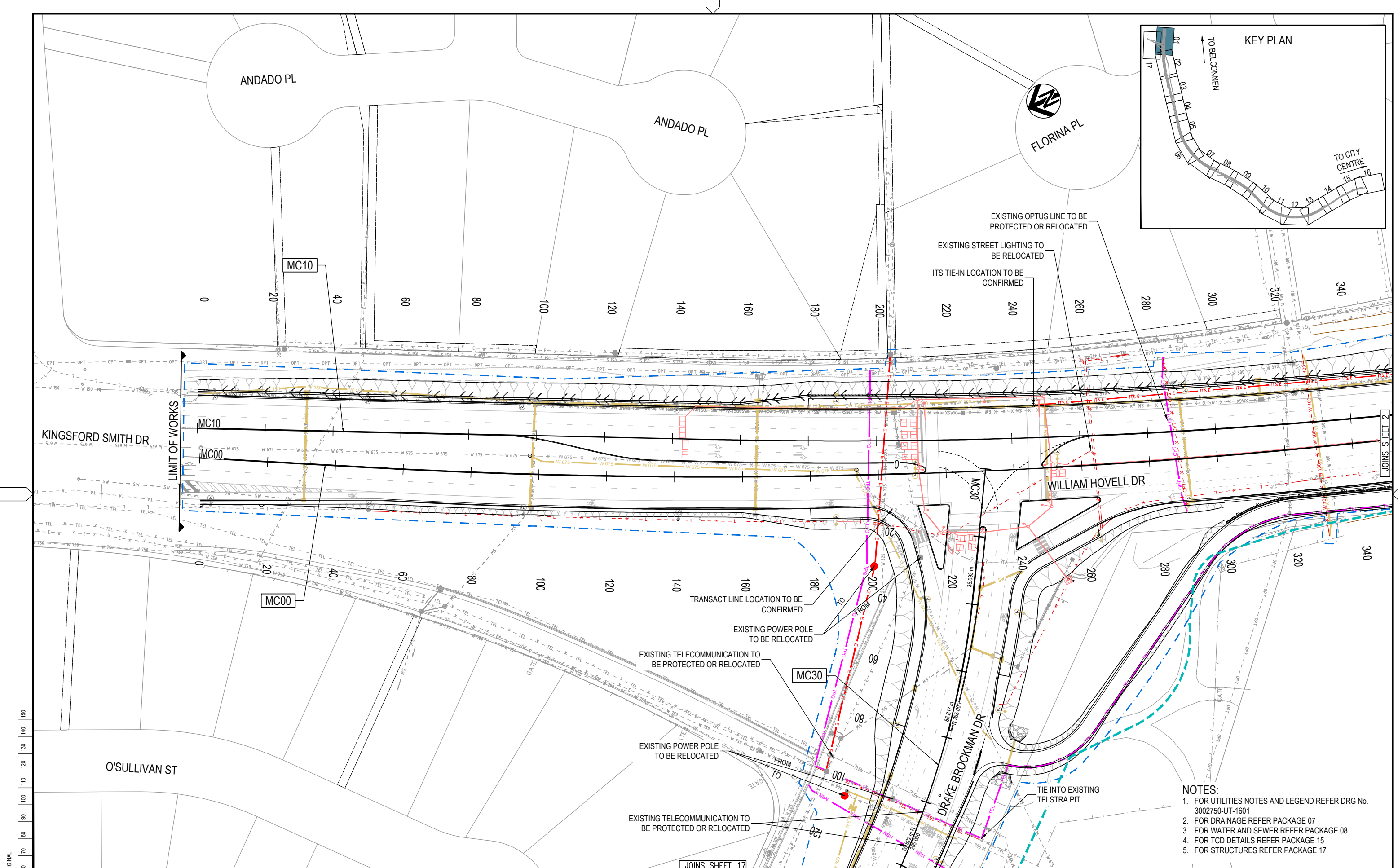
CLIENT



ACT
Government
Transport Canberra & City Services

PROJECT TITLE WILLIAM HOVELL DRIVE DUPLICATION		REVISION C	
UTILITIES NOTES AND LEGEND		PROJECT / DRAWING No. 3002750-UT-1601	SCALE AS SHOWN
SCALE	PHASE PSP	PROJECT / DRAWING No. 3002750-UT-1601	REVISION C

PRELIMINARY



- NOTES:**
1. FOR UTILITIES NOTES AND LEGEND REFER DRG No. 3002750-UT-1601
 2. FOR DRAINAGE REFER PACKAGE 07
 3. FOR WATER AND SEWER REFER PACKAGE 08
 4. FOR TCD DETAILS REFER PACKAGE 15
 5. 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

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

SCALES AT A1 SIZE DRAWING

SCALE 1:500

DESIGNER

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LYNEHAM ACT 2602 AUSTRALIA
SMEC PROJECT No 3002750

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ACT
Government
Transport Canberra & City Services

PROJECT TITLE WILLIAM HOVELL DRIVE DUPLICATION		PROJECT / DRAWING No. 3002750-UT-1610	REVISION C
SCALE AS SHOWN	PHASE PSP		

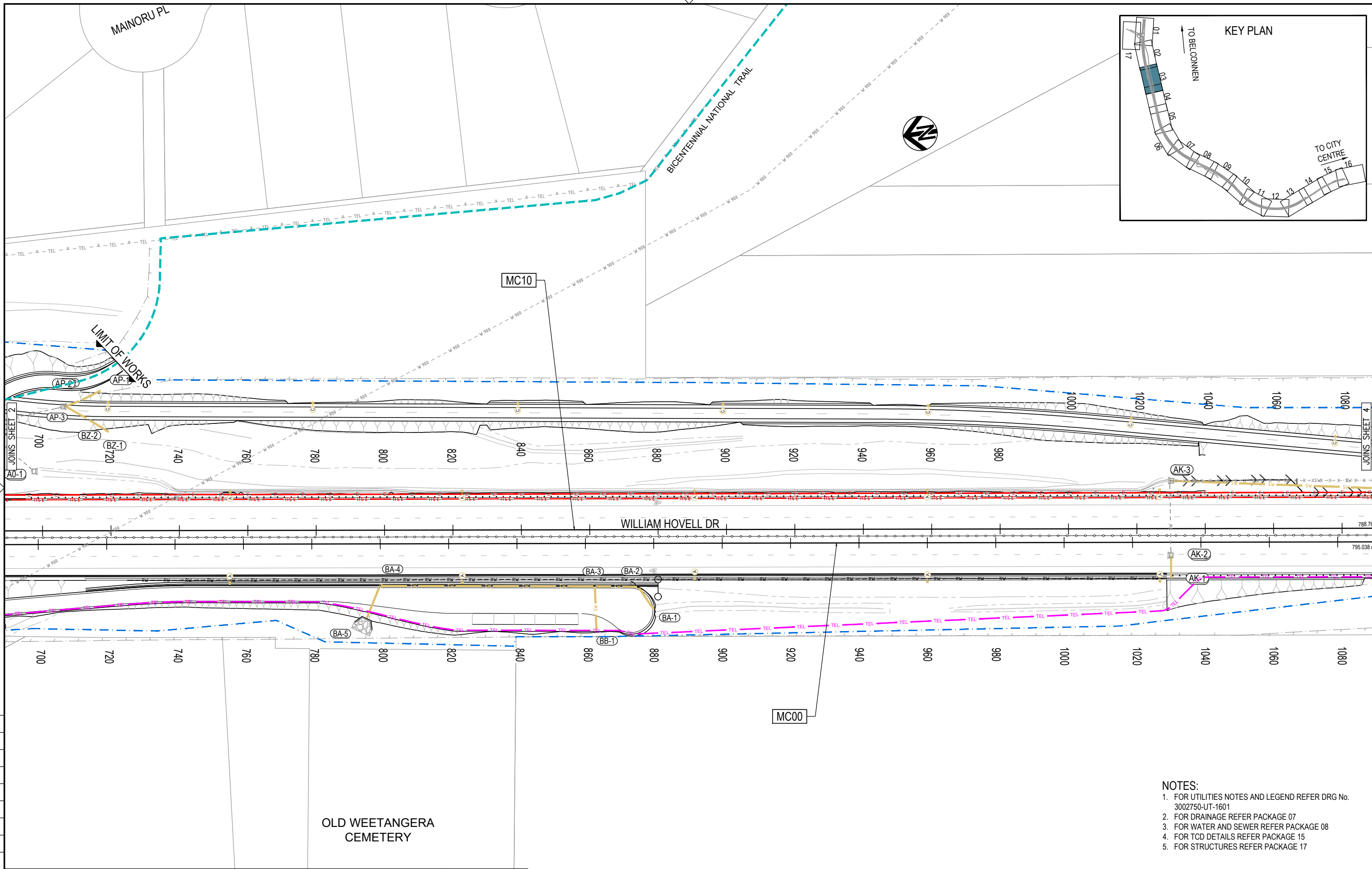
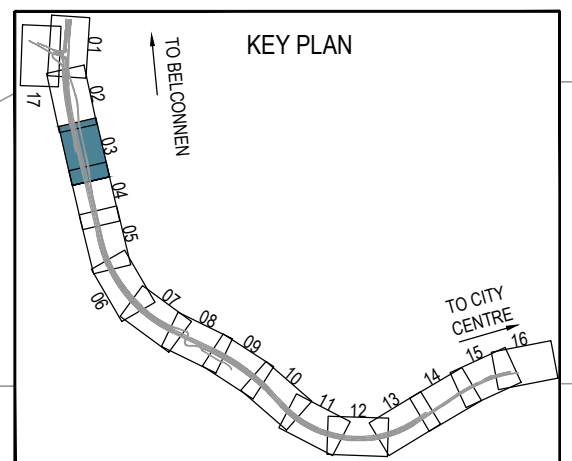
PRELIMINARY

JOINS SHEET 17

2 SHEET

MAINORU PL

BICENTENNIAL NATIONAL TRAIL



- NOTES:**
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 2. FOR DRAINAGE REFER PACKAGE 07
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 4. FOR TCD DETAILS REFER PACKAGE 15
 5. FOR STRUCTURES REFER PACKAGE 17

PRELIMINARY

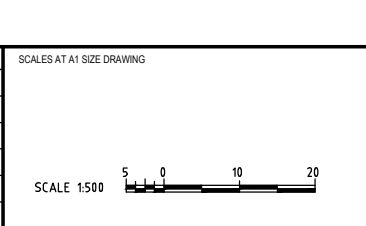
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REV	DATE	AMENDMENT / REVISION DESCRIPTION
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B	08.10.2020	PRELIMINARY SKETCH PLAN
C	13.11.2020	PRELIMINARY SKETCH PLAN SUBMISSION

WVR No.	APPROVAL	TITLE	NAME
0007	DK	DRAFTER	R. GOOSEN
0014	DK	DRAFTING CHECK	K. CURLEY
0015	DK	DESIGNER	M. HARTY
		DESIGN CHECK	T. NIELSEN
		PROJECT MANAGER	S. RAVEN
		PROJECT DIRECTOR	D. KEEP



DESIGNER

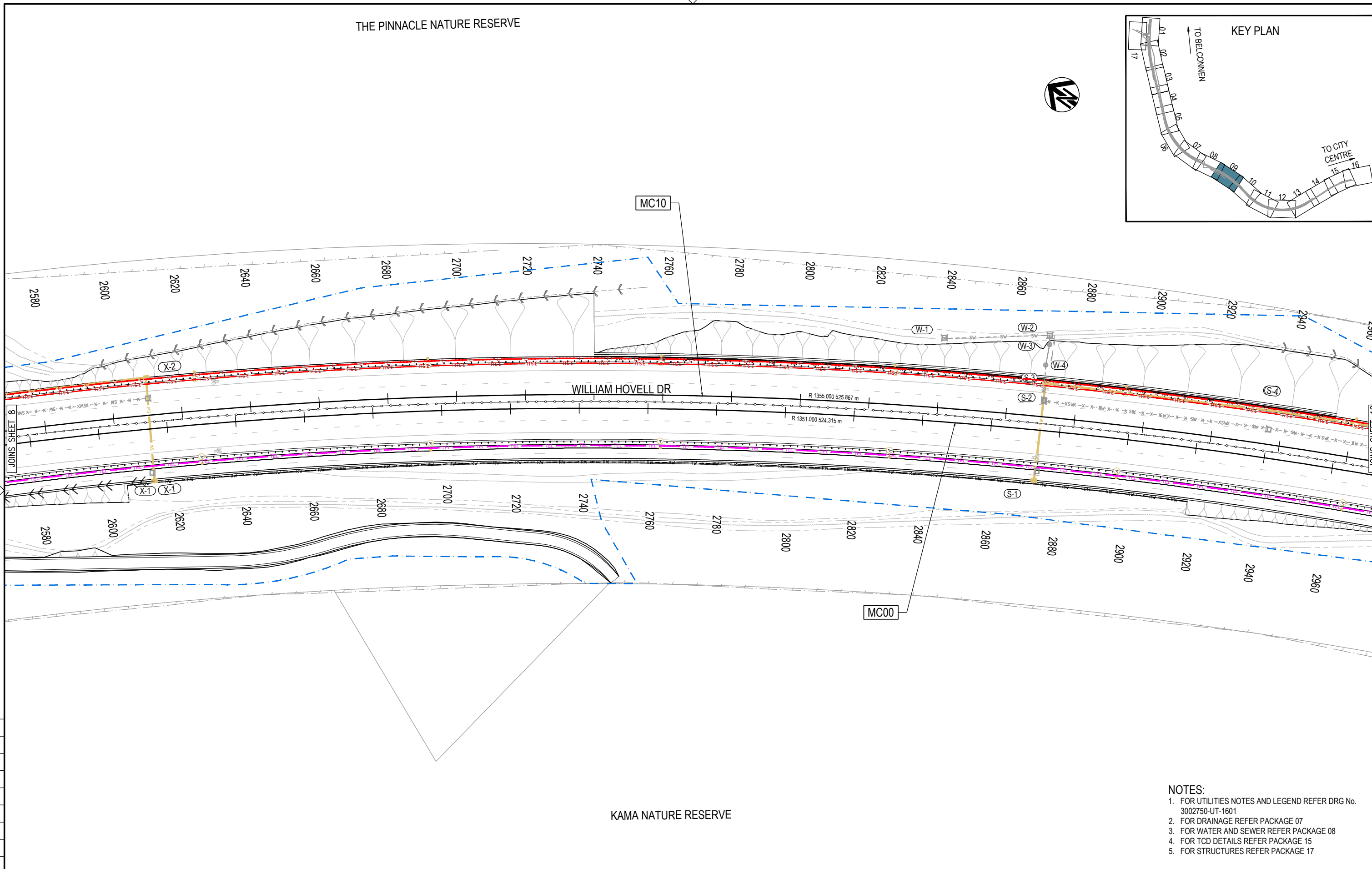
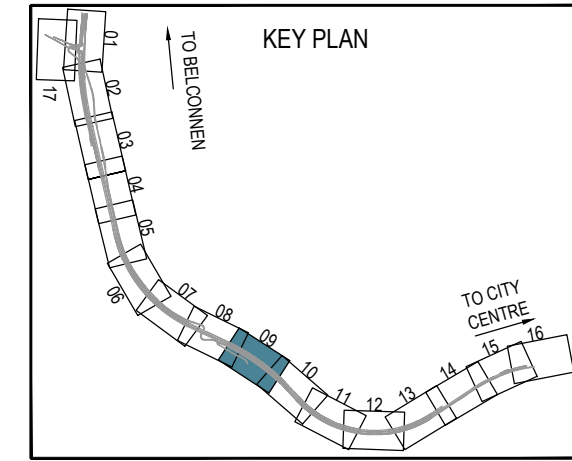
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SUITE 2, LEVEL 1, 243 NORTHBOURNE AVENUE
LYNEHAM ACT 2602 AUSTRALIA
SMEC PROJECT No 3002750

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Government
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PROJECT TITLE	WILLIAM HOVELL DRIVE DUPLICATION		
	UTILITIES SHEET 3		
SCALE	PHASE	PROJECT / DRAWING No.	REVISION
AS SHOWN	PSP	3002750-UT-1612	C

THE PINNACLE NATURE RESERVE



KAMA NATURE RESERVE

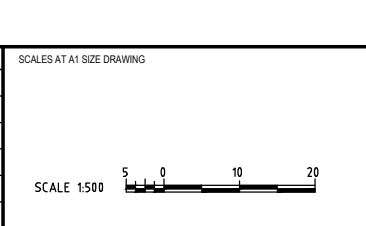
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 2. FOR DRAINAGE REFER PACKAGE 07
 3. FOR WATER AND SEWER REFER PACKAGE 08
 4. FOR TCD DETAILS REFER PACKAGE 15
 5. FOR STRUCTURES REFER PACKAGE 17

150 mm ON ORIGINAL

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0014	DK	DRAFTING CHECK	K. CURLEY
0015	DK	DESIGNER	M. HARTY
		DESIGN CHECK	T. NIELSEN
		PROJECT MANAGER	S. RAVEN
		PROJECT DIRECTOR	D. KEEP

SCALES AT A1 SIZE DRAWING
SCALE 1:500



DESIGNER

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LYNEHAM ACT 2602 AUSTRALIA
SMEC PROJECT No 3002750

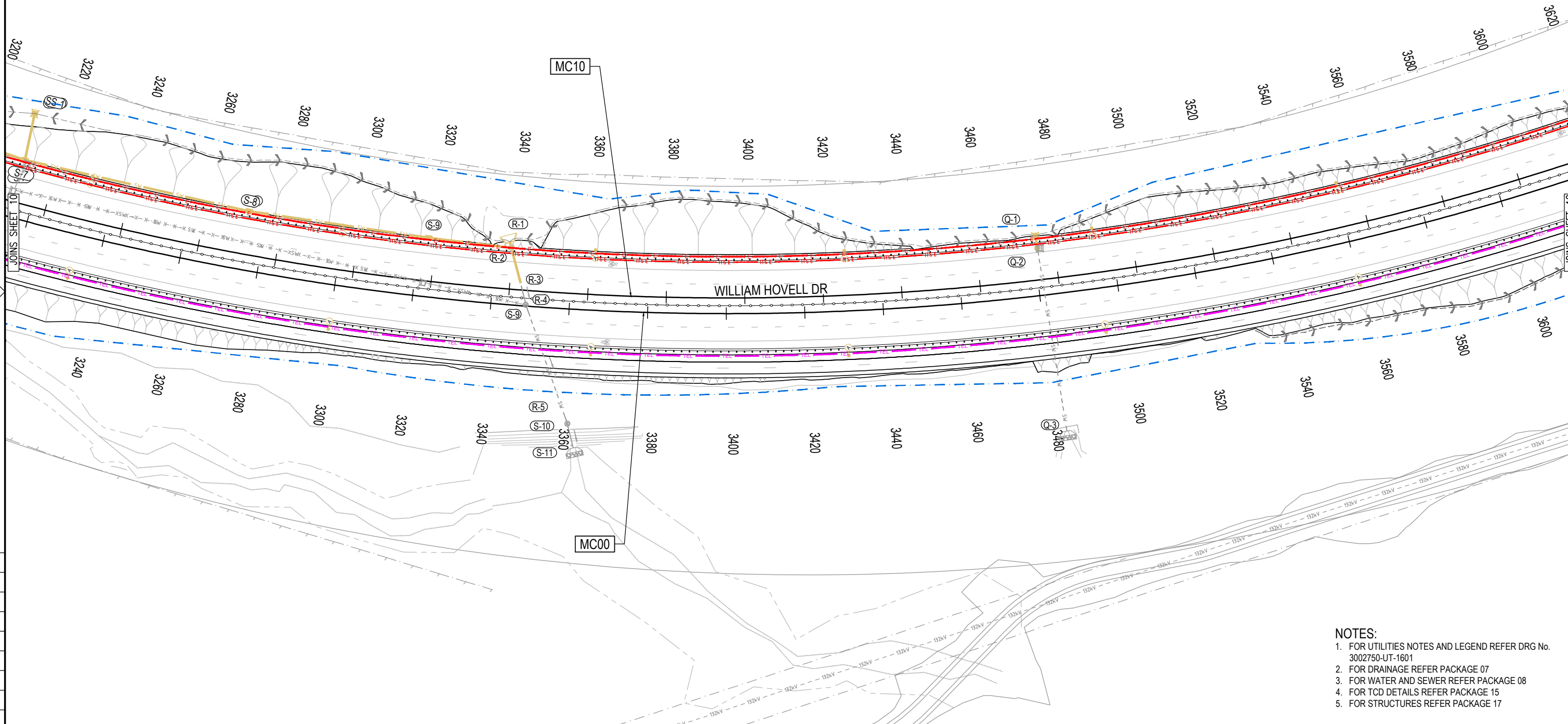
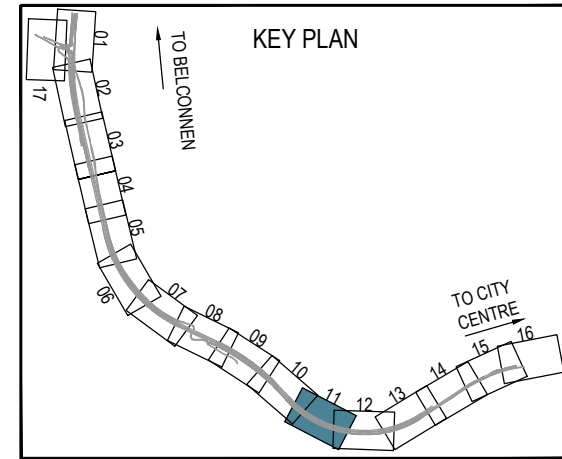
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ACT
Government
Transport Canberra & City Services

PROJECT TITLE		WILLIAM HOVELL DRIVE DUPLICATION	
		UTILITIES SHEET 9	
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AS SHOWN	PSP	3002750-UT-1618	C

PRELIMINARY

THE PINNACLE NATURE RESERVE



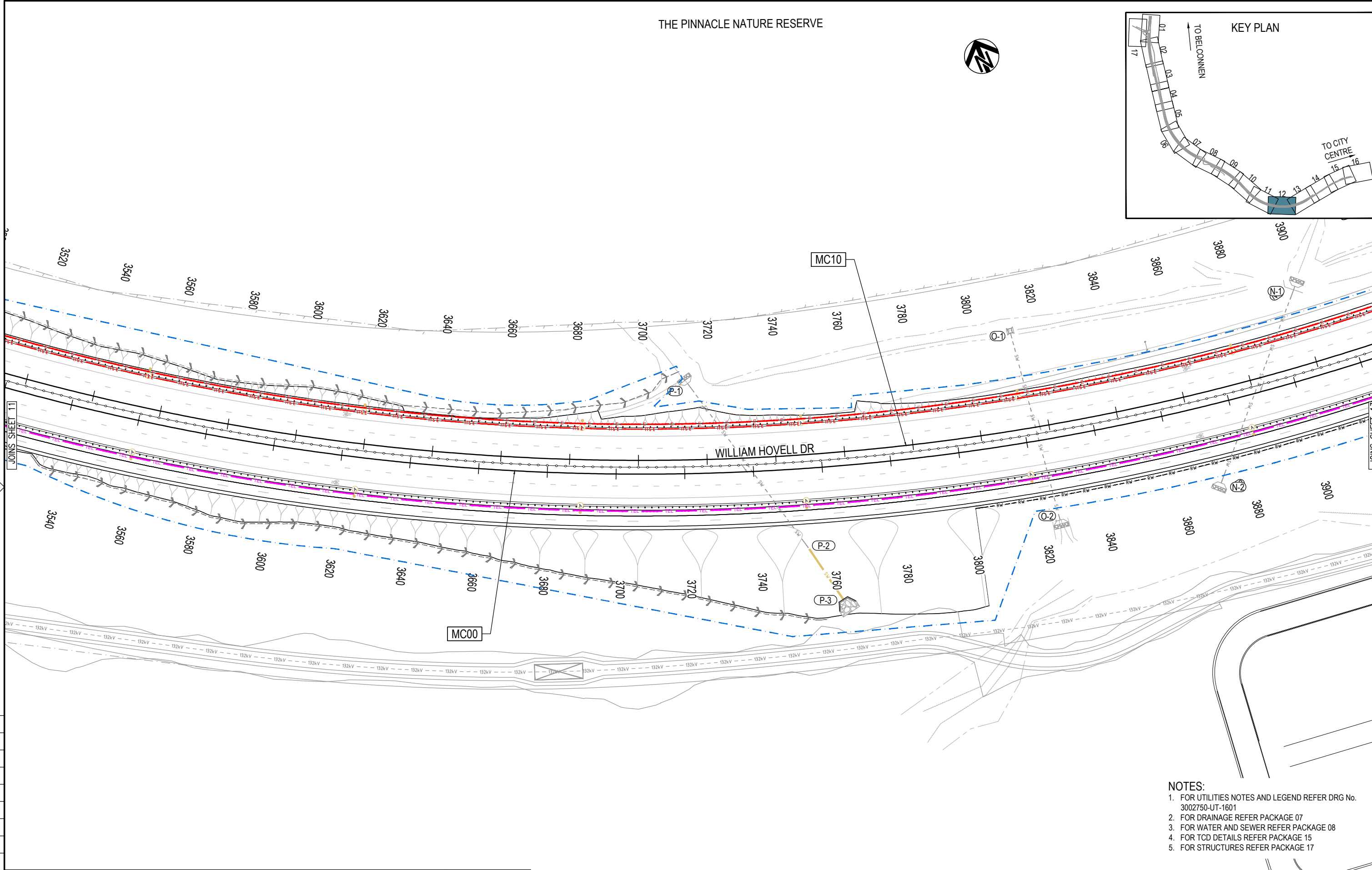
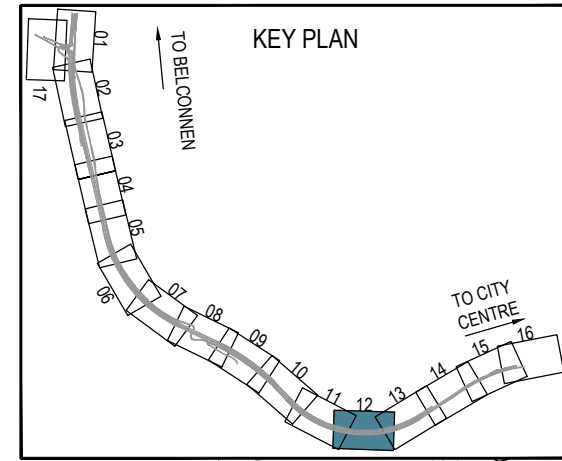
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 5. FOR STRUCTURES REFER PACKAGE 17

PRELIMINARY

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		C	13.11.2020	PRELIMINARY SKETCH PLAN SUBMISSION	
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		0014	DK	DRAFTING CHECK	K. CURLEY
		0015	DK	DESIGNER	M. HARTY
				DESIGN CHECK	T. NIELSEN
				PROJECT MANAGER	S. RAVEN
				PROJECT DIRECTOR	D. KEEP
		SCALES AT A1 SIZE DRAWING			
		SCALE 1:500			
DESIGNER		SMEC AUSTRALIA PTY LTD Member of the Surlana Jurong Group © 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		UTILITIES SHEET 11	
SCALE	PHASE	PROJECT / DRAWING No.		REVISION	
AS SHOWN	PSP	3002750-UT-1620		C	

150 mm ON ORIGINAL

THE PINNACLE NATURE RESERVE

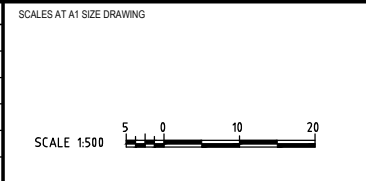


- NOTES:**
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 2. FOR DRAINAGE REFER PACKAGE 07
 3. FOR WATER AND SEWER REFER PACKAGE 08
 4. FOR TCD DETAILS REFER PACKAGE 15
 5. FOR STRUCTURES REFER PACKAGE 17

150 mm ON ORIGINAL

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		C	13.11.2020	PRELIMINARY SKETCH PLAN SUBMISSION		

WVR No.	APPROVAL	TITLE	NAME
0007	DK	DRAFTER	R. GOOSEN
0014	DK	DRAFTING CHECK	K. CURLEY
0015	DK	DESIGNER	M. HARTY
		DESIGN CHECK	T. NIELSEN
		PROJECT MANAGER	S. RAVEN
		PROJECT DIRECTOR	D. KEEP



DESIGNER

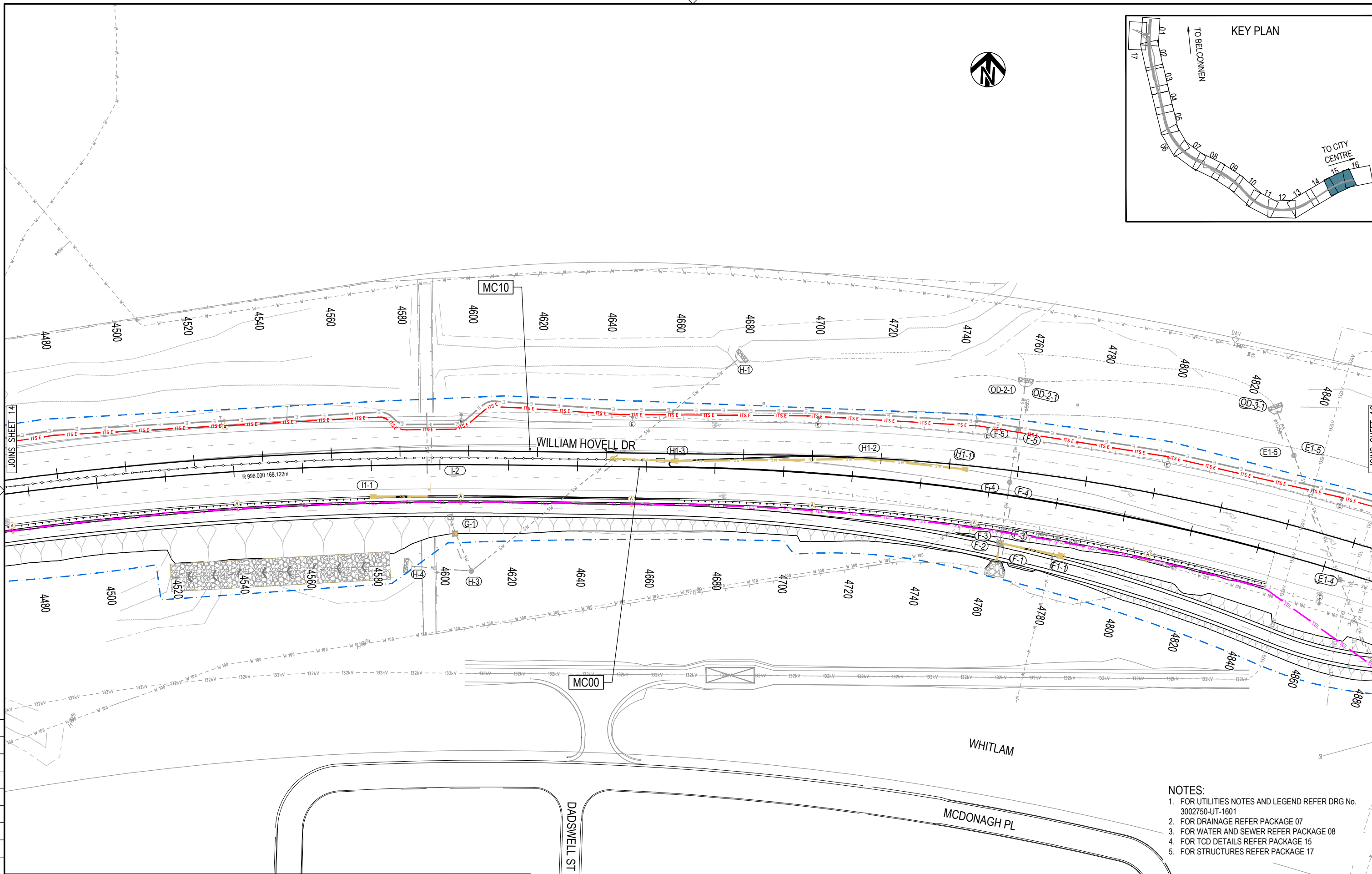
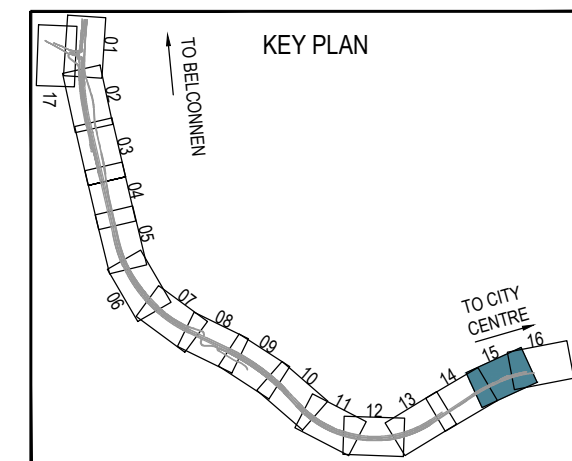
SMEC
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SMEC AUSTRALIA PTY LTD
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SUITE 2, LEVEL 1, 243 NORTHBOURNE AVENUE
LYNEHAM ACT 2602 AUSTRALIA
SMEC PROJECT No 3002750

CLIENT

ACT
Government
Transport Canberra & City Services

PROJECT TITLE WILLIAM HOVELL DRIVE DUPLICATION		PROJECT / DRAWING No. 3002750-UT-1621	
UTILITIES SHEET 12		SCALE AS SHOWN	REVISION C

PRELIMINARY



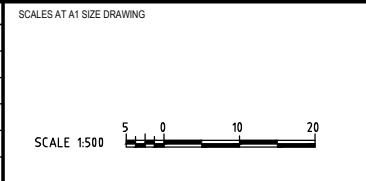
- NOTES:**
1. FOR UTILITIES NOTES AND LEGEND REFER DRG No. 3002750-UT-1601
 2. FOR DRAINAGE REFER PACKAGE 07
 3. FOR WATER AND SEWER REFER PACKAGE 08
 4. FOR TCD DETAILS REFER PACKAGE 15
 5. FOR STRUCTURES REFER PACKAGE 17

PRELIMINARY

150 mm ON ORIGINAL

DRAWING FILE LOCATION / NAME V:\Vault\Projects\3002750\CAD\DWG\09_UT_Uilities\3002750-UT-1624.dwg		PLOT DATE 13 Nov 2020		TIME 10:04:26	
EXTERNAL REFERENCE FILES	REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL
\WIND_SURVAY \WIND_WIP \WIND_DES_PATH \WIND_DES_CAD \WIND_UTILX \WIND_UTILX \WIND_PATH_CTRL \WIND_DES_CTRL_500 \WIND_FRAME_500 \WIND_ACT_500 \WIND_NOTE_UT \WIND_SHT_TXT_UT \WIND_BOXX \WIND_UTIL \3002750_SMEC_AJ \3002750_SMEC_AJ_LIGHT \WIND_DES_BURY	A	19.06.2020	PRELIMINARY SKETCH PLAN	0007	DK
	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



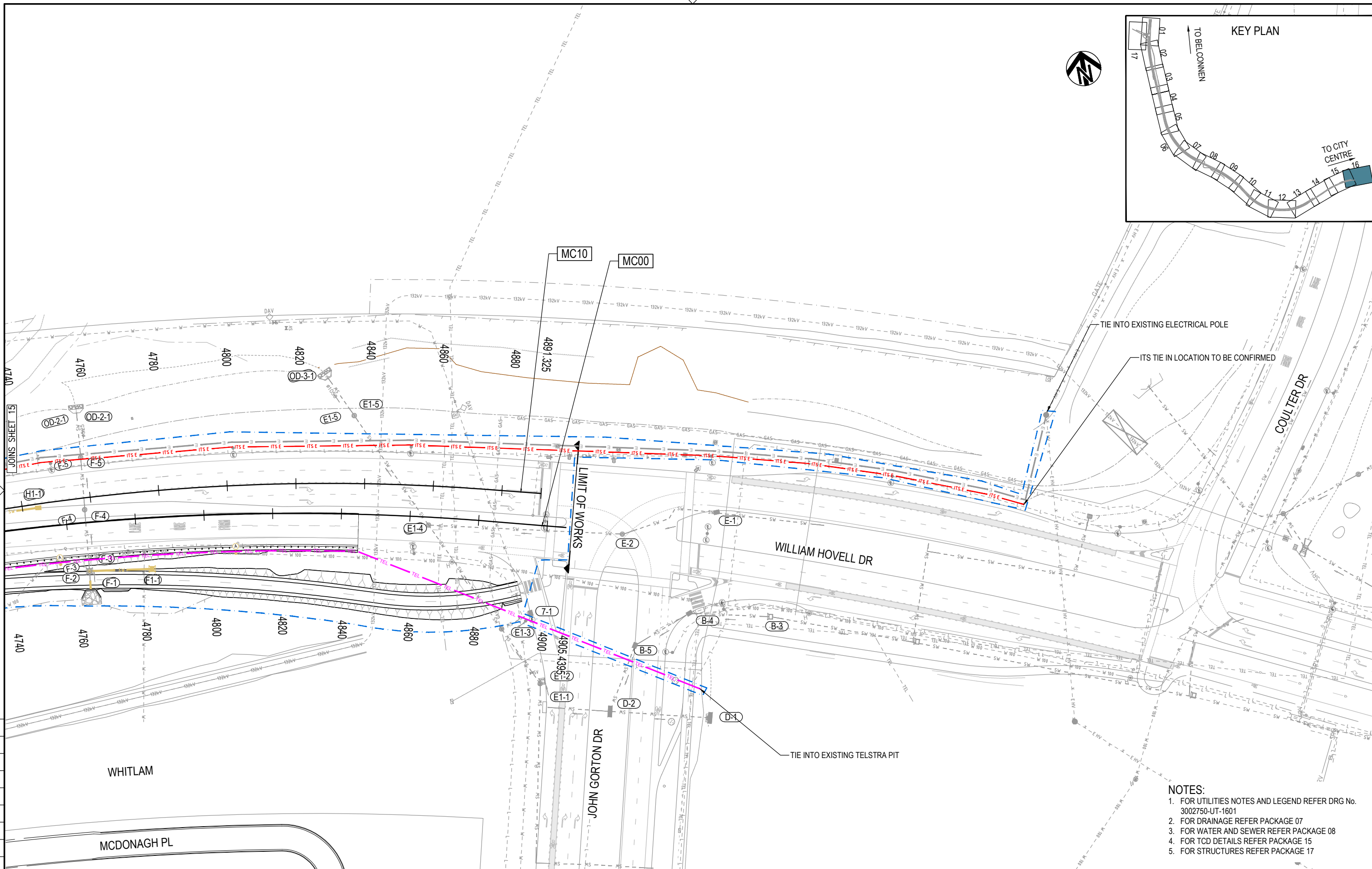
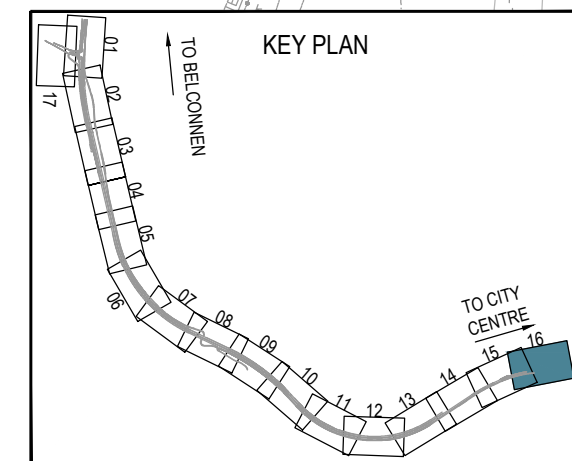
DESIGNER

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SMEC PROJECT No 3002750

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PROJECT TITLE WILLIAM HOVELL DRIVE DUPLICATION		PROJECT / DRAWING No. 3002750-UT-1624		REVISION C
SCALE AS SHOWN	PHASE PSP			



- NOTES:**
1. FOR UTILITIES NOTES AND LEGEND REFER DRG No. 3002750-UT-1601
 2. FOR DRAINAGE REFER PACKAGE 07
 3. FOR WATER AND SEWER REFER PACKAGE 08
 4. FOR TCD DETAILS REFER PACKAGE 15
 5. FOR STRUCTURES REFER PACKAGE 17

PRELIMINARY

150 mm ON ORIGINAL
A1

DRAWING FILE LOCATION / NAME V:\Vault\Projects\3002750\CAD\DWG\09_UT_Utilities\3002750-UT-1625.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
<ul style="list-style-type: none"> U:\IND SURVY U:\IND WIP U:\IND DES PATH U:\IND DES CAD U:\IND UTILX U:\IND UTILX U:\IND PATH CTR U:\IND DES CTRL 500 U:\IND FRAME 500 U:\IND ACT 500 U:\IND NOTE UT U:\IND SHI TXT UT U:\IND BBOX U:\IND UTIL U:\IND STREETS 		B	08.10.2020	PRELIMINARY SKETCH PLAN	0014	DK	DRAFTING CHECK	K. CURLEY
		C	13.11.2020	PRELIMINARY SKETCH PLAN SUBMISSION	0015	DK	DESIGNER	M. HARTY
							DESIGN CHECK	T. NIELSEN
							PROJECT MANAGER	S. RAVEN
							PROJECT DIRECTOR	D. KEEP

PLOT DATE	13 Nov 2020	TIME	10:04:58
SCALES AT A1 SIZE DRAWING	SCALE 1:500		

DESIGNER

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SMEC PROJECT No 3002750

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PROJECT TITLE

WILLIAM HOVELL DRIVE DUPLICATION

UTILITIES SHEET 16

SCALE	AS SHOWN	PHASE	PSP	PROJECT / DRAWING No.	3002750-UT-1625	REVISION	C
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