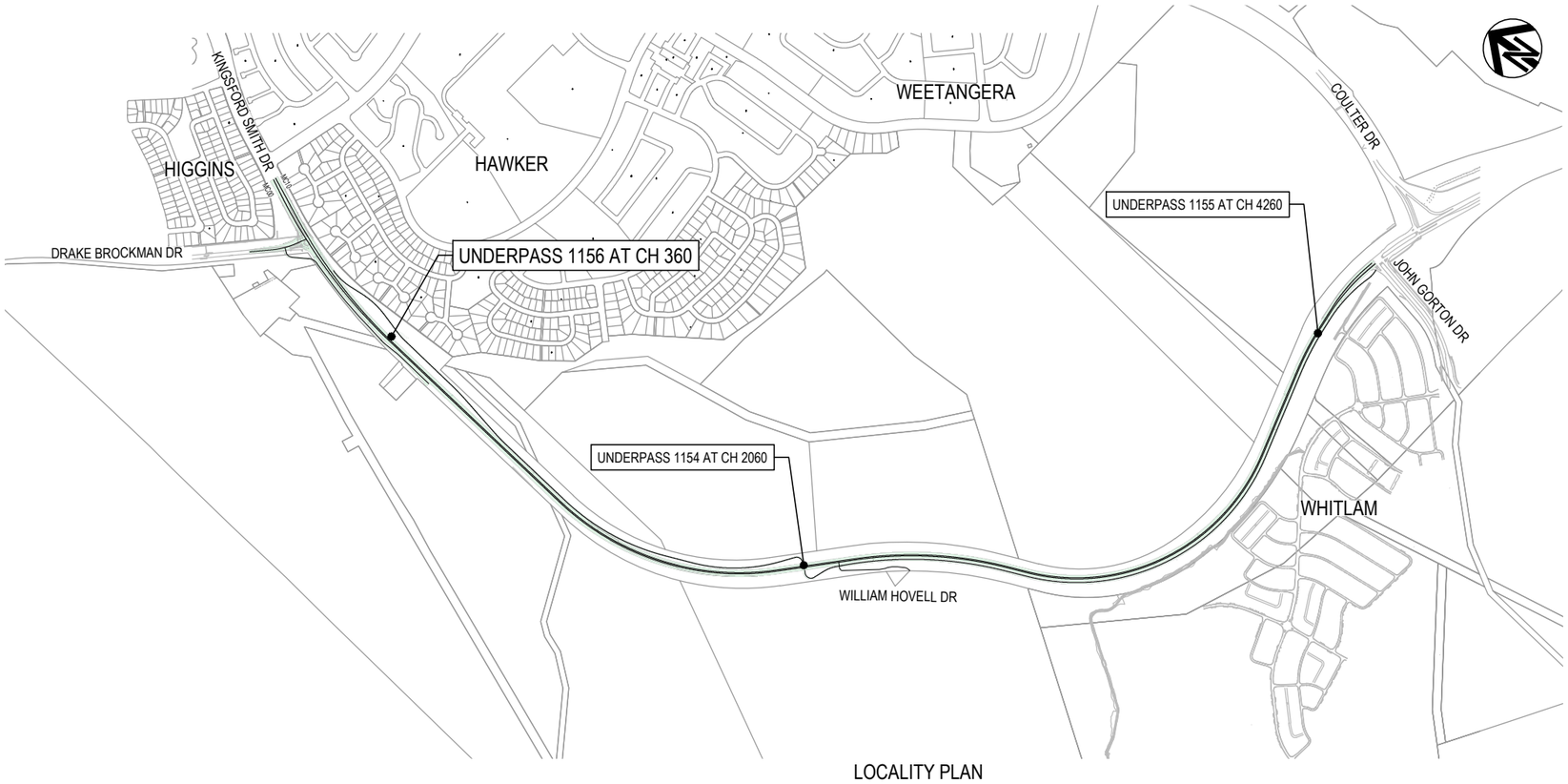
# WILLIAM HOVELL DRIVE DUPLICATION

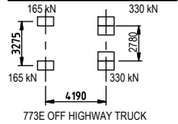
## PACKAGE 17
## EQUESTRIAN UNDERPASS 1156




LOCALITY PLAN
SCALE 1:10000

UNDERPASS 1156 - (WIDENING)
DESIGN LOADING -
SM1600 AND HLP400 TO AS 5100.2 (2017)
BARRIER PERFORMANCE LEVEL IS REGULAR PERFORMANCE TO AS 5100.2

CONSTRUCTION LOADING




773E OFF HIGHWAY TRUCK
MAX WHEEL LOADS

THE WHEEL LOADS GIVEN ABOVE DO NOT INCLUDE DYNAMIC LOAD ALLOWANCE, THE DESIGN INCLUDES A DYNAMIC LOAD ALLOWANCE OF a = 0.1.
ULTIMATE LOAD FACTOR = 1.5.
PROVISION OF CONSTRUCTION LOADING IS RESTRICTED TO ONE VEHICLE AT ANY TIME RUNNING WITHIN THE CENTRAL 5.6m OF THE DECK WITH NO CO-EXISTING LOADING.
VEHICLE'S SPEED IS RESRICTED TO 10km/h.

EARTHQUAKE LOADING. AS 5100.2 (2017)

BRIDGE CLASSIFICATION; TYPE III
IMPORTANCE FACTOR; I = 1.25
ACCELERATION COEFFICIENT; a = 0.08
SITE FACTOR; S = 1.00
DESIGN CATEGORY; BEDC-3

REFERENCE DESIGN REPORTS

PSP DESIGN REPORT

INDEX


1901 COVER SHEET AND KEYPLAN

1910 UNDERPASS 1156 - GENERAL ARRANGEMENT


PRELIMINARY

DRAWING FILE LOCATION / NAME: V:_Vault\Projects\3002750\CAD\DWG\17_SC_Struct\EQUINE_ACCESS_01\3002750-DSC-1901.dwg
PLOT DATE: 13 Nov 2020 TIME: 11:20:20

EXTERNAL REFERENCE FILES: 3002750_SMEC_a1, X:\WHD_DES_PATH, X:\WHD_DES, X:\WHD_DES_CAD, X:\WHD_BDRYX, X:\WHD_DES_CTRL_5000, X:\CADAST_BDY\WHD, X:\CADAST_BEL\CONNEN, X:\CADAST_CENTRAL, X:\WHD_PAV

| REV | DATE | AMENDMENT / REVISION DESCRIPTION | WVR No. | APPROVAL |
|---|---|---|---|---|
| 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 |

| TITLE | NAME |
|---|---|
| DRAFTER | R. GOOSEN |
| DRAFTING CHECK | K. CURLEY |
| DESIGNER | G.PINCOMBE |
| DESIGN CHECK | V. VIGNESWARAN |
| PROJECT MANAGER | S.RAVEN |
| PROJECT DIRECTOR | D.KEEP |

SCALES AT A1 SIZE DRAWING
SCALE 1:10000 100 0 100 200 300 400 500

DESIGNER: SMEC
Member of the Surbana 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

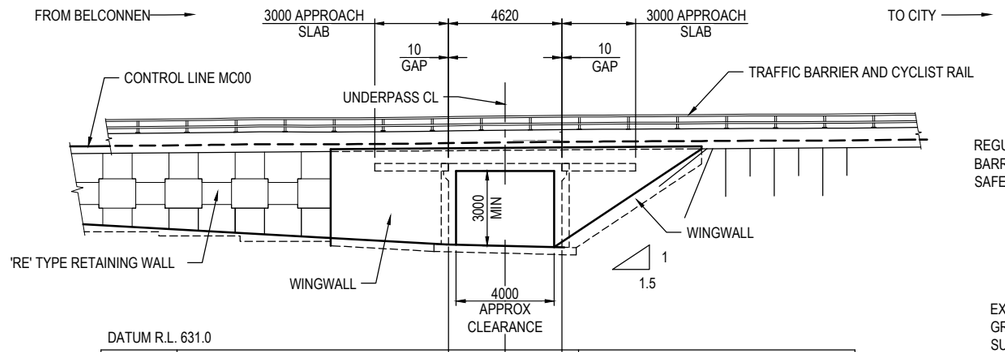
CLIENT: ACT Government, Transport Canberra & City Services

PROJECT TITLE: WILLIAM HOVELL DRIVE DUPLICATION

ACCESS EQUESTRIAN PATH
UNDERPASS 1156
COVER SHEET KEYPLAN

| SCALE | PHASE | PROJECT / DRAWING No. | REVISION |
|---|---|---|---|
| AS SHOWN | PSP | 3002750-DSC-1901 | C |

150 mm ON ORIGINAL
A1

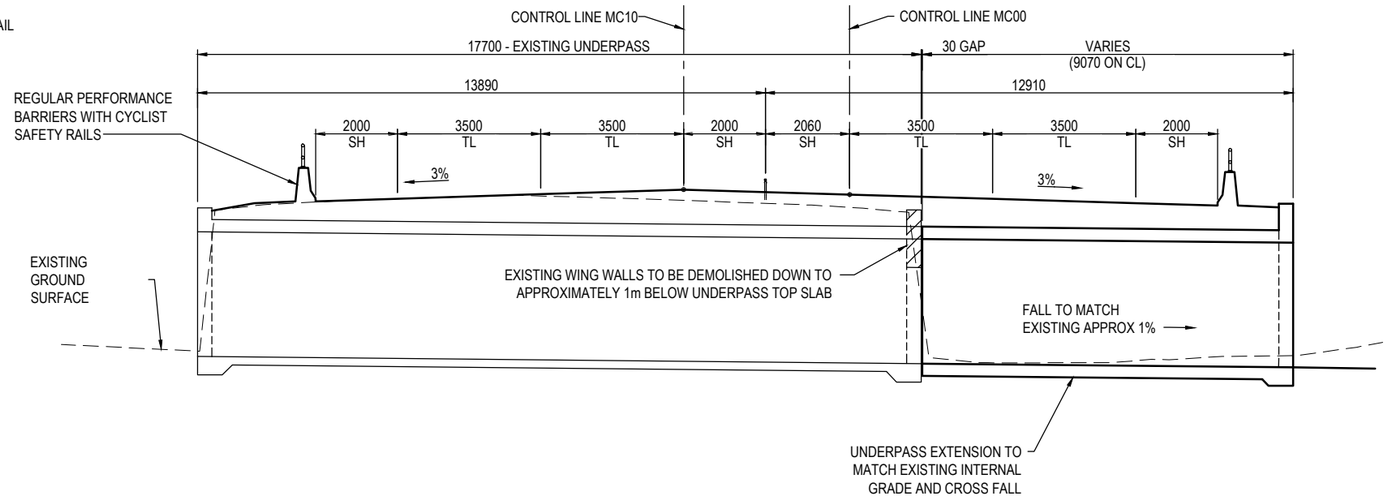



DATUM R.L. 631.0

| | | | | |
|---|---|---|---|---|
| DESIGN LEVELS | 639.440 | 639.466 | 639.489 | 639.494 |
| EXISTING LEVELS | 639.142 | 639.153 | 639.168 | 639.173 |
| STATION | 674.843 | 677.089 | 679.463 | 680.000 |

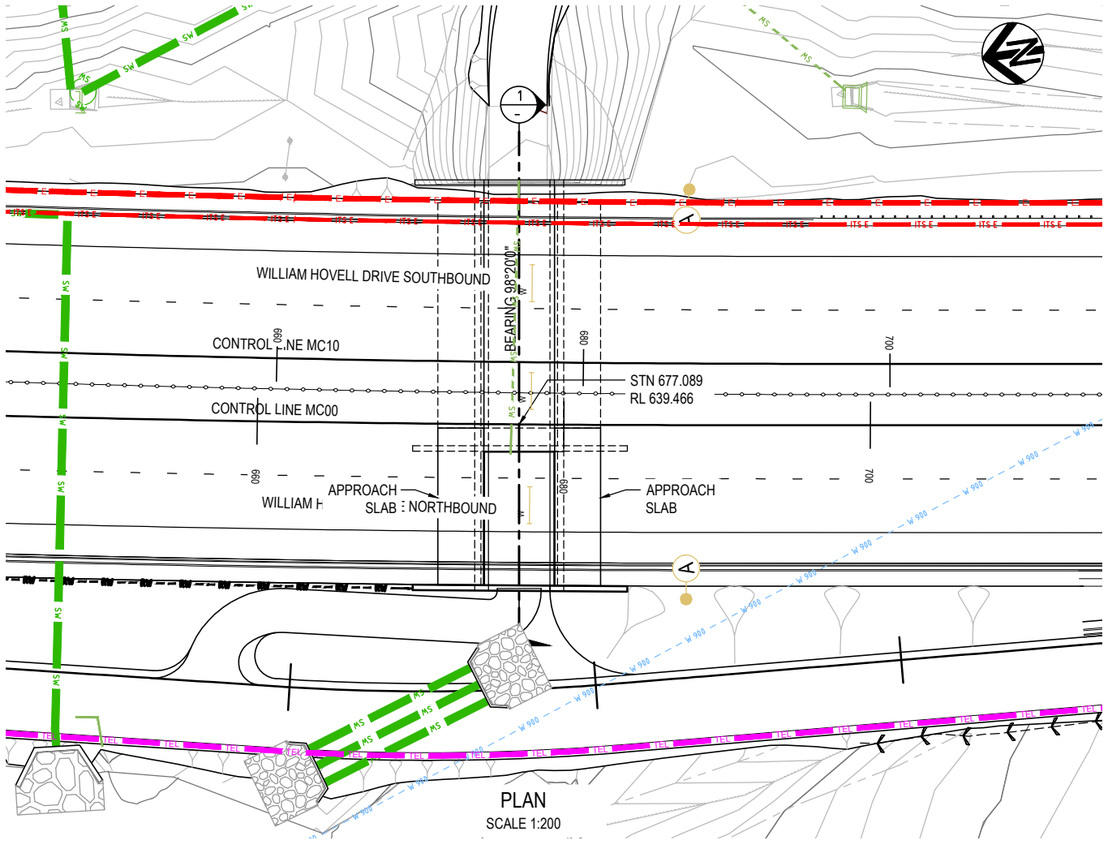
## ELEVATION ON MC00

SCALE 1:125



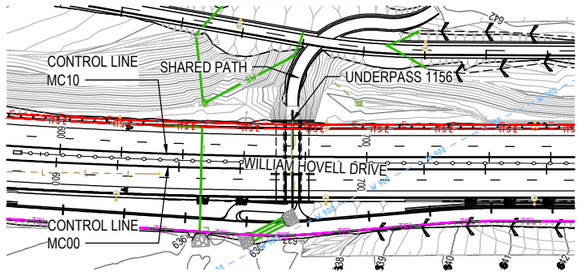

## SECTION 1 / -

SCALE 1:75




## PLAN

SCALE 1:200




## SITE PLAN

SCALE 1:1000

## GENERAL NOTES

DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE
STATIONS AND REDUCED LEVELS ARE IN METRES.
REDUCED LEVELS ARE RELATED TO THE AUSTRALIAN HEIGHT DATUM.
TL DENOTES TRAFFIC LANE
SH DENOTES SHOULDER
FOR UTILITY DIVERSION WORKS REFER TO DUT SERIES OF DRAWINGS
FOR PAVEMENT DETAILS REFER DPV SERIES OF DRAWINGS
FOR DRAINAGE DETAILS REFER DDD SERIES OF DRAWINGS

# PRELIMINARY

DRAWING FILE LOCATION / NAME: V:_Vault\Projects\3002750\CAD\DWG\17_SC_Struct\EQUINE_ACCESS_01\3002750-DSC-1910.dwg

PLOT DATE: 13 Nov 2020 TIME: 11:24:56

EXTERNAL REFERENCE FILES: 3002750_SMEC_xrl; X:\WHD_CONTX; X:\WHD_DRAINX; X:\WHD_SURVX; X:\WHD_SM_EX; X:\WHD_TREEX; X:\WHD_VARIX; X:\WHD_DES_CONT; X:\WHD_DES_PATH; X:\WHD_DES_S; X:\WHD_DES_CAD; X:\WHD_UTILX; X:\WHD_DRN; X:\WHD_PATH_CTRL; X:\WHD_ALIGN_CTRL_500; X:\WHD_LIP1; X:\WHD_UTIL; X:\DDS_STREETLIGHT

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| DRAFTER | K.ELLIS |
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| DESIGNER | G.PINCOMBE |
| DESIGN CHECK | V.VIGNESWARAN |
| PROJECT MANAGER | |
| PROJECT DIRECTOR | D.KEEP |

SCALES AT A1 SIZE DRAWING: SCALE 1:75 (0.5 0 1 2 3 4 m); SCALE 1:200 (2 0 2 4 6 8 10 m); SCALE 1:1000 (10 0 10 20 30 40 50 m)

DESIGNER: SMEC — Member of the Surbana Jurong Group
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150 mm ON ORIGINAL

A1