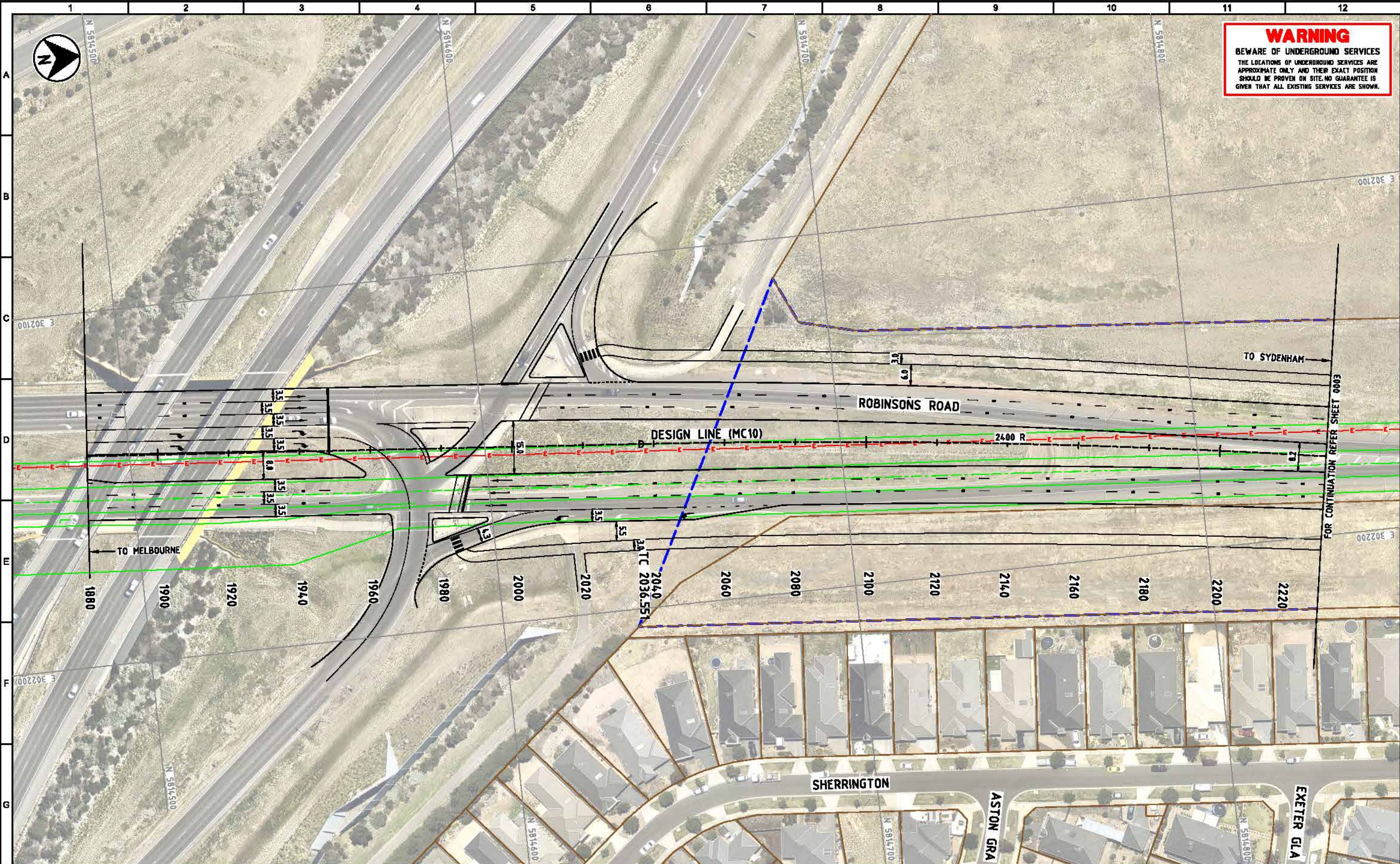


WARNING
 BEWARE OF UNDERGROUND SERVICES
 THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



DATE: 15-JUN-2016 10:22AM LOGIN NAME: dman LOCATION: C:\workspace\Documents\176-ECC-DG-0502.dgn



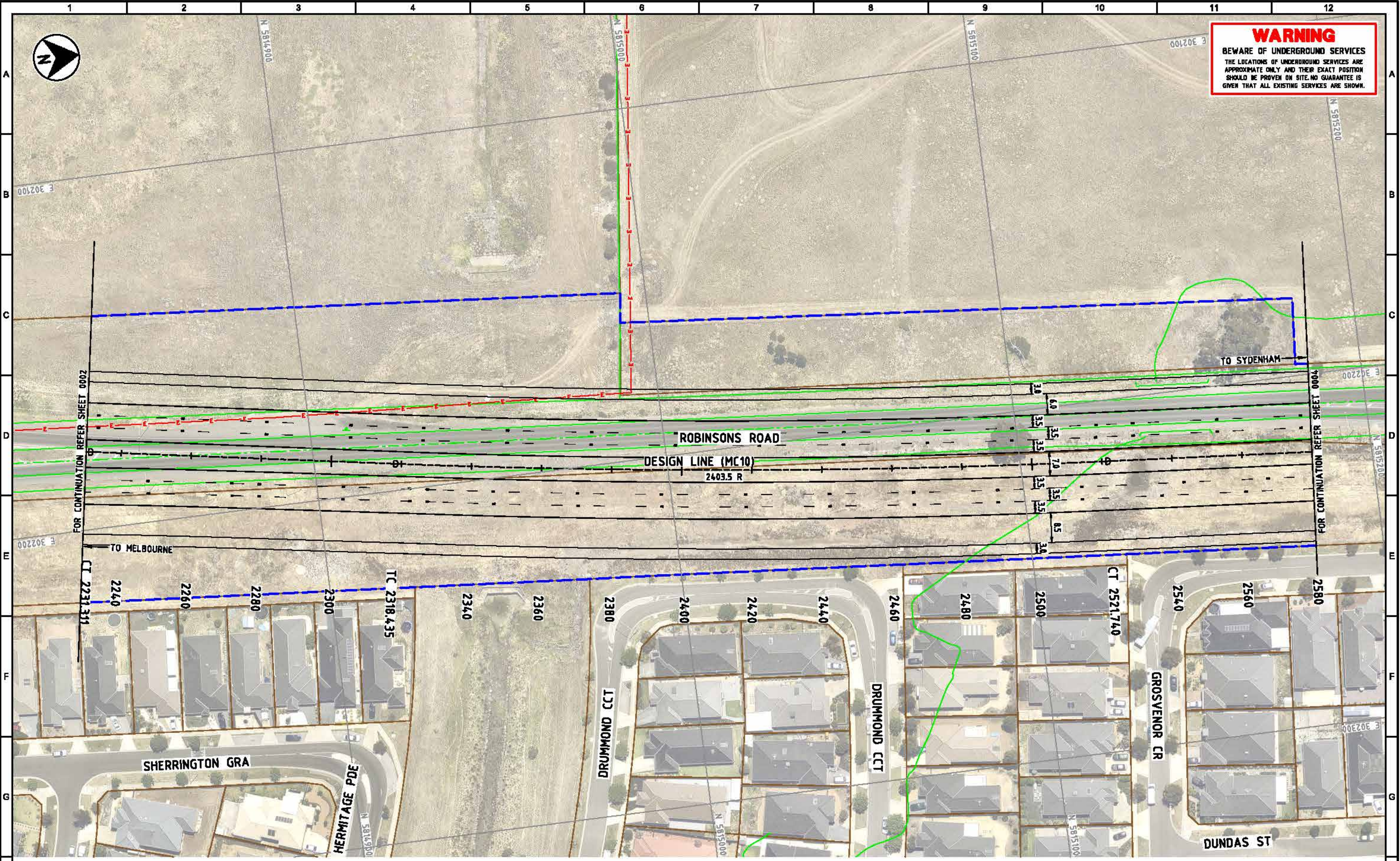
LEGEND

12500	CHAINAGE	—●—	EXISTING ELECTRICITY	—MS—	EXISTING GAS
—	ROW BOUNDARY	—S—	EXISTING SEWER	—	EXISTING HV OVERHEAD
—	EXISTING WATER	—OFK—	EXISTING OPTICAL FIBER		

SCALE 1:1000
PALMERS ROAD CORRIDOR
PRELIMINARY ALIGNMENT PLAN
SHEET 2
 DRAWING No SB20176-ECC-DG-0502 DATE 02/07/2015 REV A



WARNING
 BEWARE OF UNDERGROUND SERVICES
 THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



FOR CONTINUATION REFER SHEET 0002

FOR CONTINUATION REFER SHEET 0004

ROBINSONS ROAD

DESIGN LINE (MC10)

2403.5 R

SHERRINGTON GRA

HERMITAGE PDE

DRUMMOND CCT

DRUMMOND CCT

GROSVENOR CR

DUNDAS ST

TO SYDENHAM

TO MELBOURNE



LEGEND

- | | | |
|----------------|------------------------|----------------------|
| 12500 CHAINAGE | EXISTING ELECTRICITY | EXISTING GAS |
| ROW BOUNDARY | EXISTING SEWER | EXISTING HY OVERHEAD |
| EXISTING WATER | EXISTING OPTICAL FIBER | |

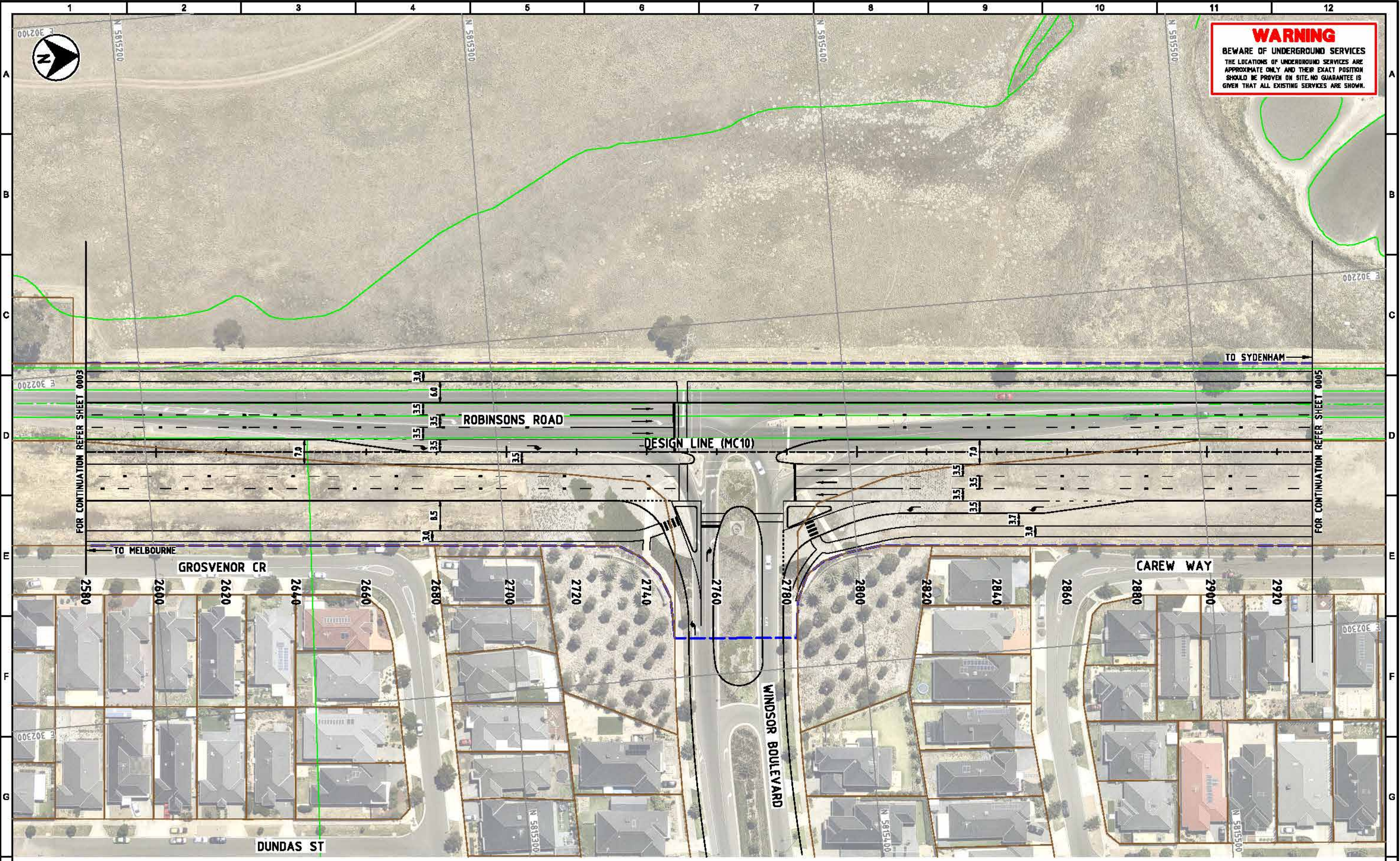
PALMERS ROAD CORRIDOR
 PRELIMINARY ALIGNMENT PLAN
 SHEET 3

SCALE: 1:1000
 DRAWING No: SB20176-ECC-DG-0503
 DATE: 02/07/2015
 REV: A



DATE: 15-JUN-2016 10:22AM LOGIN NAME: dhanan
 LOCATION: C:\workspace\Documents\1766300176-ECC-DG-0503.dgn

WARNING
 BEWARE OF UNDERGROUND SERVICES
 THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



FOR CONTINUATION REFER SHEET 0003

FOR CONTINUATION REFER SHEET 0005

LEGEND

- 12500 CHAINAGE
- ROW BOUNDARY
- EXISTING WATER
- EXISTING ELECTRICITY
- EXISTING SEWER
- EXISTING OPTICAL FIBER
- EXISTING GAS
- EXISTING HV OVERHEAD



PALMERS ROAD CORRIDOR
PRELIMINARY ALIGNMENT PLAN
SHEET 4

SCALE 1:1000 DRAWING No SB20176-ECC-DG-0504 DATE 02/07/2015 REV A



DATE: 15-JUN-2016 10:29AM LOGIN NAME: sharon LOCATION: C:\workspace\Documents\176-ECC-DG-0504.dgn

WARNING
 BEWARE OF UNDERGROUND SERVICES
 THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



FOR CONTINUATION REFER SHEET 0004

FOR CONTINUATION REFER SHEET 0006

TO SYDENHAM

TO MELBOURNE

LEGEND

- 12500 CHAINAGE
- ROW BOUNDARY
- EXISTING WATER
- EXISTING ELECTRICITY
- EXISTING SEWER
- EXISTING OPTICAL FIBER
- EXISTING GAS
- EXISTING HV OVERHEAD



**PALMERS ROAD CORRIDOR
 PRELIMINARY ALIGNMENT PLAN
 SHEET 5**

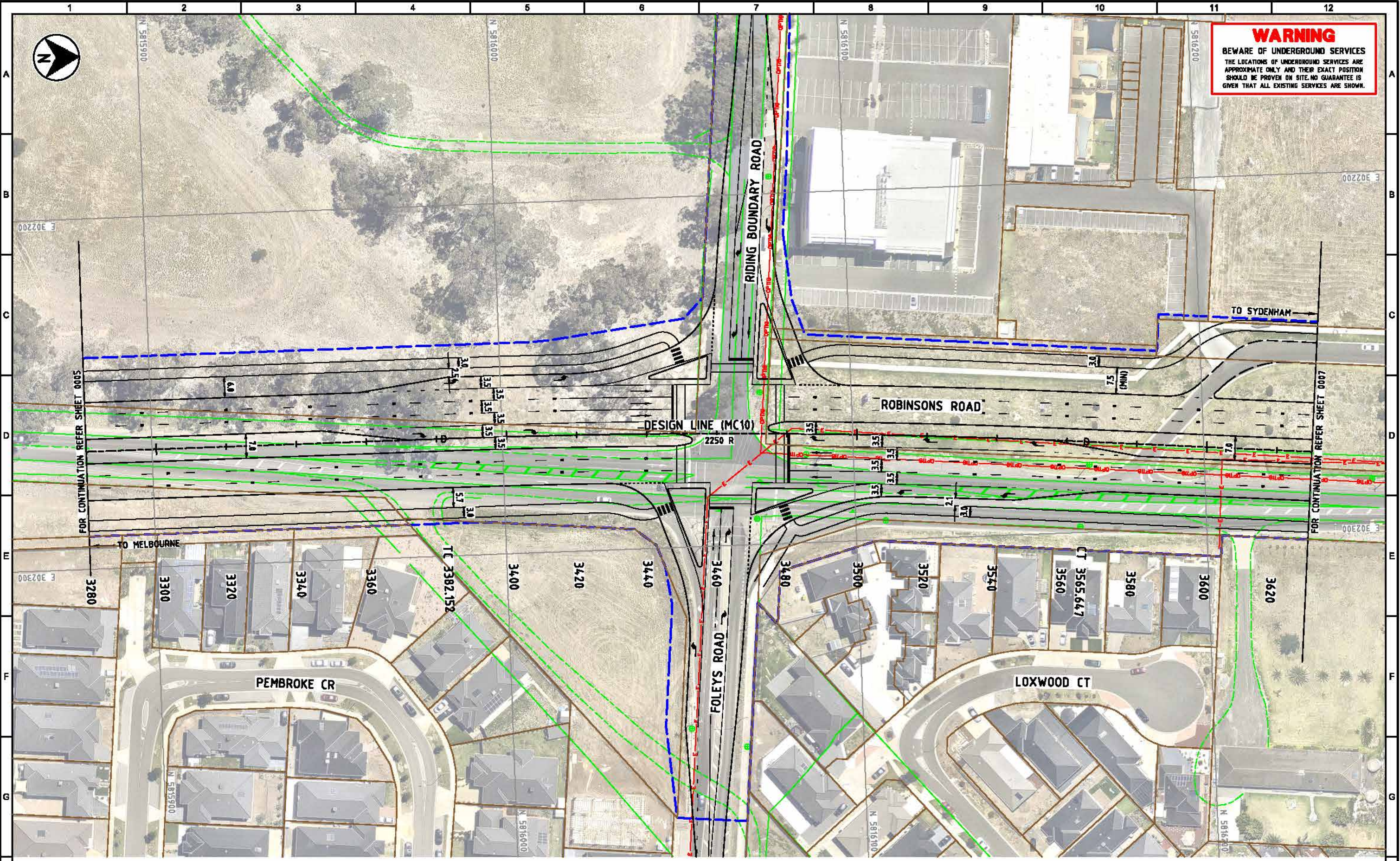
SCALE: 1:1000
 DRAWING No: SB20176-ECC-DG-0505
 DATE: 02/07/2015
 REV: A



DATE: 15-JUN-2016 10:22AM LOGIN NAME: sharon LOCATION: C:\workspace\Documents\6820176\SB20176-ECC-DG-0505.dgn



WARNING
 BEWARE OF UNDERGROUND SERVICES
 THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



FOR CONTINUATION REFER SHEET 0005

FOR CONTINUATION REFER SHEET 0007

TO MELBOURNE

TO SYDENHAM

DESIGN LINE (MC10)
 2250 R

DATE: 12/04/2016 10:29AM LOGIN NAME: sharon LOCATION: C:\workspace\Documents\1766320176-ECC-DG-0506.dgn



LEGEND

- | | | |
|----------------|------------------------|----------------------|
| 12500 CHAINAGE | EXISTING ELECTRICITY | EXISTING GAS |
| ROW BOUNDARY | EXISTING SEWER | EXISTING HY OVERHEAD |
| EXISTING WATER | EXISTING OPTICAL FIBER | |

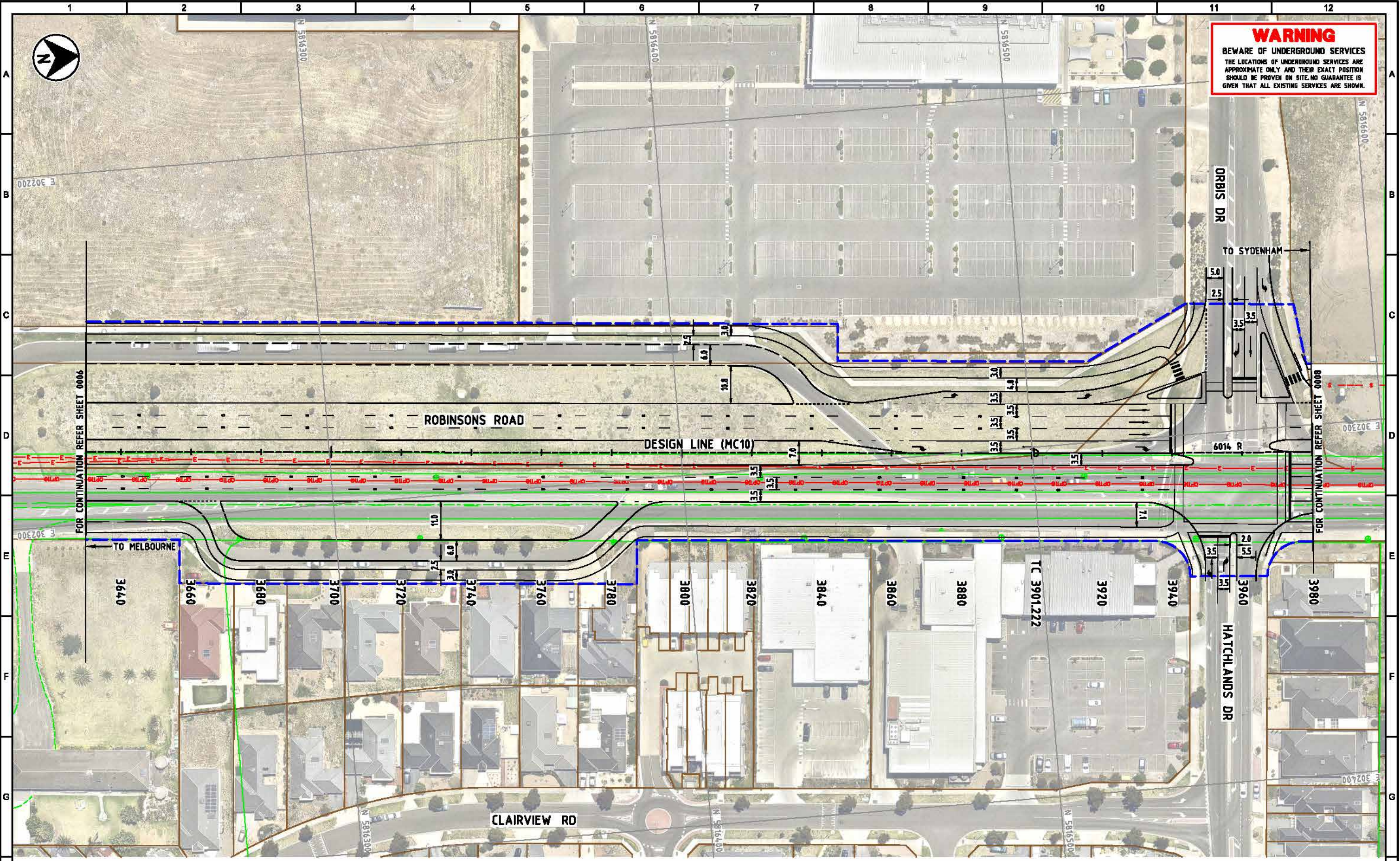
**PALMERS ROAD CORRIDOR
 PRELIMINARY ALIGNMENT PLAN
 SHEET 6**

SCALE: 1:1000 DRAWING No: SB20176-ECC-DG-0506 DATE: 02/07/2015 REV: A





WARNING
 BEWARE OF UNDERGROUND SERVICES
 THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY, AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



FOR CONTINUATION REFER SHEET 0006

FOR CONTINUATION REFER SHEET 0008

DATE: 15-JUN-2016 10:54AM LOGIN NAME: sharon LOCATION: C:\Users\sharon\Documents\16020176\SB20176-ECC-DG-0507.dgn



LEGEND

- | | | |
|----------------|------------------------|----------------------|
| 12500 CHAINAGE | EXISTING ELECTRICITY | EXISTING GAS |
| ROW BOUNDARY | EXISTING SEWER | EXISTING HV OVERHEAD |
| EXISTING WATER | EXISTING OPTICAL FIBER | |

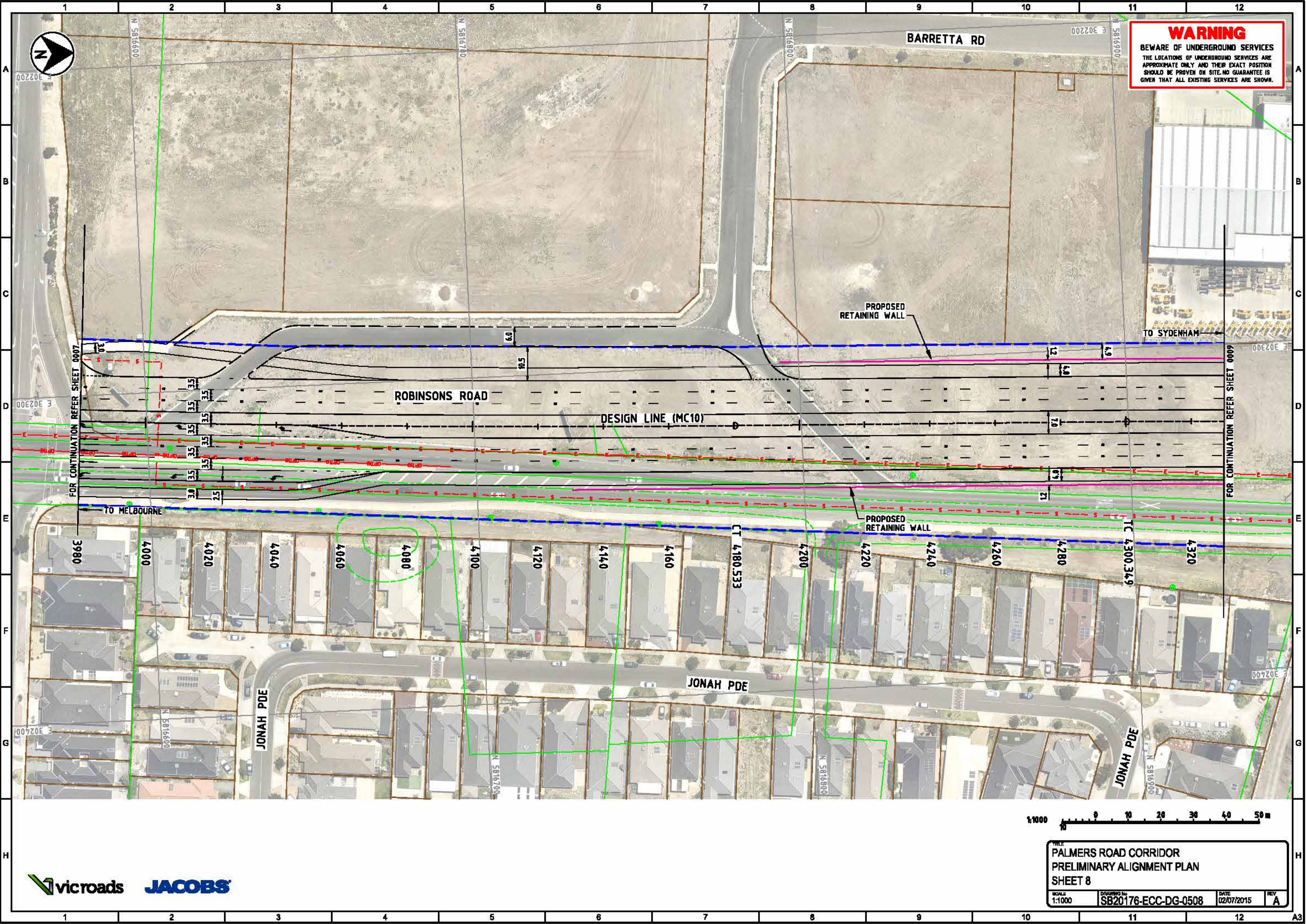
**PALMERS ROAD CORRIDOR
 PRELIMINARY ALIGNMENT PLAN
 SHEET 7**

SCALE: 1:1000 DRAWING No: SB20176-ECC-DG-0507 DATE: 02/07/2015 REV: A





WARNING
 BEWARE OF UNDERGROUND SERVICES
 THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



FOR CONTINUATION REFER SHEET 0007

FOR CONTINUATION REFER SHEET 0009

TO MELBOURNE

TO SYDENHAM



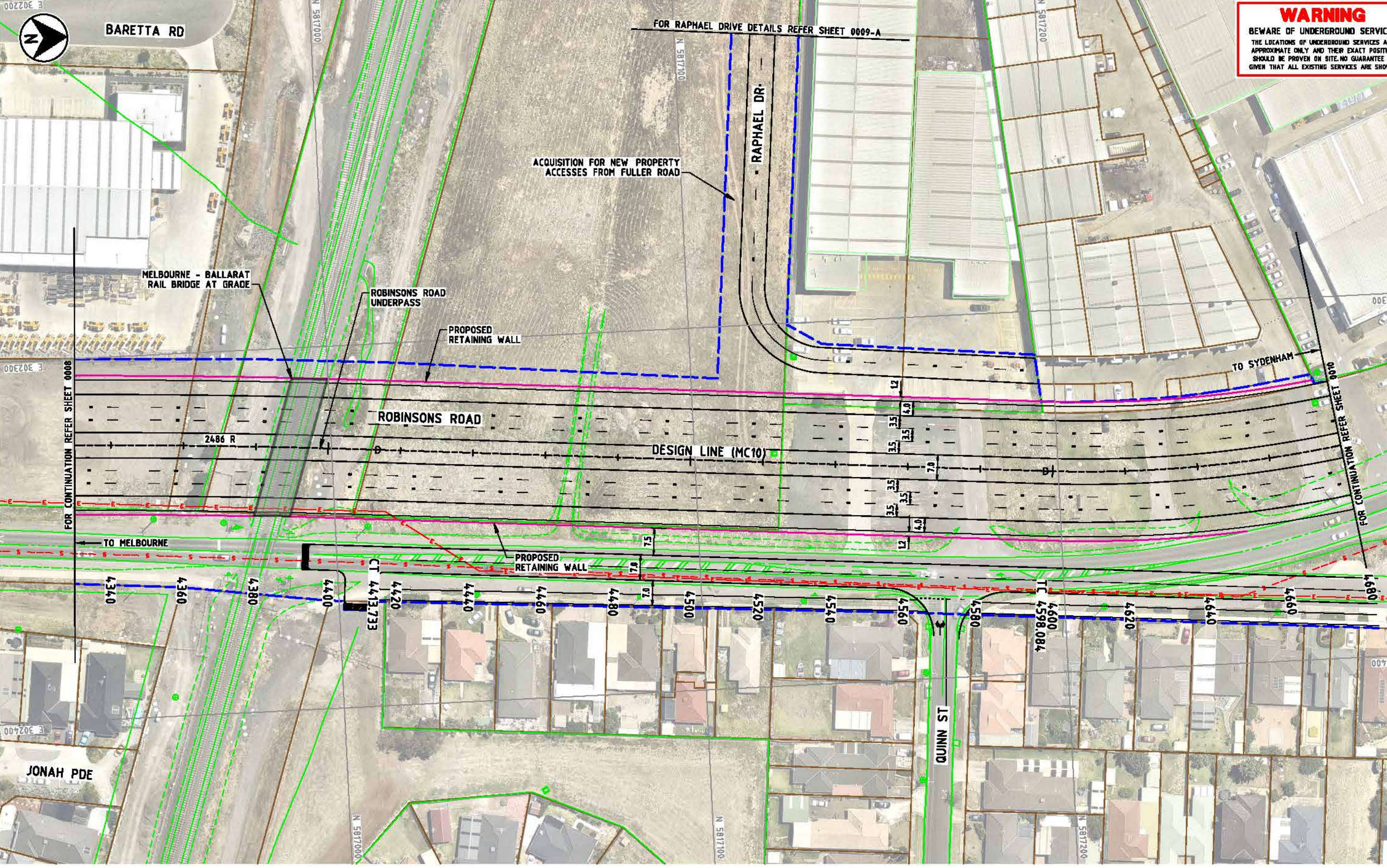
PALMERS ROAD CORRIDOR
PRELIMINARY ALIGNMENT PLAN
SHEET 8

SCALE 1:1000	DRAWING No SB20176-ECC-DG-0508	DATE 02/07/2015	REV A
-----------------	-----------------------------------	--------------------	----------



DATE: 15-JUL-2016 10:24AM LOGIN NAME: sharon LOCATION: C:\Users\sharon\Documents\1766320176-ECC-DG-0508.dwg

WARNING
 BEWARE OF UNDERGROUND SERVICES
 THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



FOR CONTINUATION REFER SHEET 0008

FOR CONTINUATION REFER SHEET 0010

FOR RAPHAEL DRIVE DETAILS REFER SHEET 0009-A

ACQUISITION FOR NEW PROPERTY ACCESSES FROM FULLER ROAD

MELBOURNE - BALLARAT RAIL BRIDGE AT GRADE

ROBINSONS ROAD UNDERPASS

PROPOSED RETAINING WALL

ROBINSONS ROAD

DESIGN LINE (MC10)

PROPOSED RETAINING WALL

TO MELBOURNE

TO SYDENHAM

QUINN ST

JONAH PDE

LEGEND

- 12500 CHAINAGE
- ROW BOUNDARY
- EXISTING WATER
- EXISTING ELECTRICITY
- EXISTING SEWER
- EXISTING OPTICAL FIBER
- EXISTING GAS
- EXISTING HV OVERHEAD

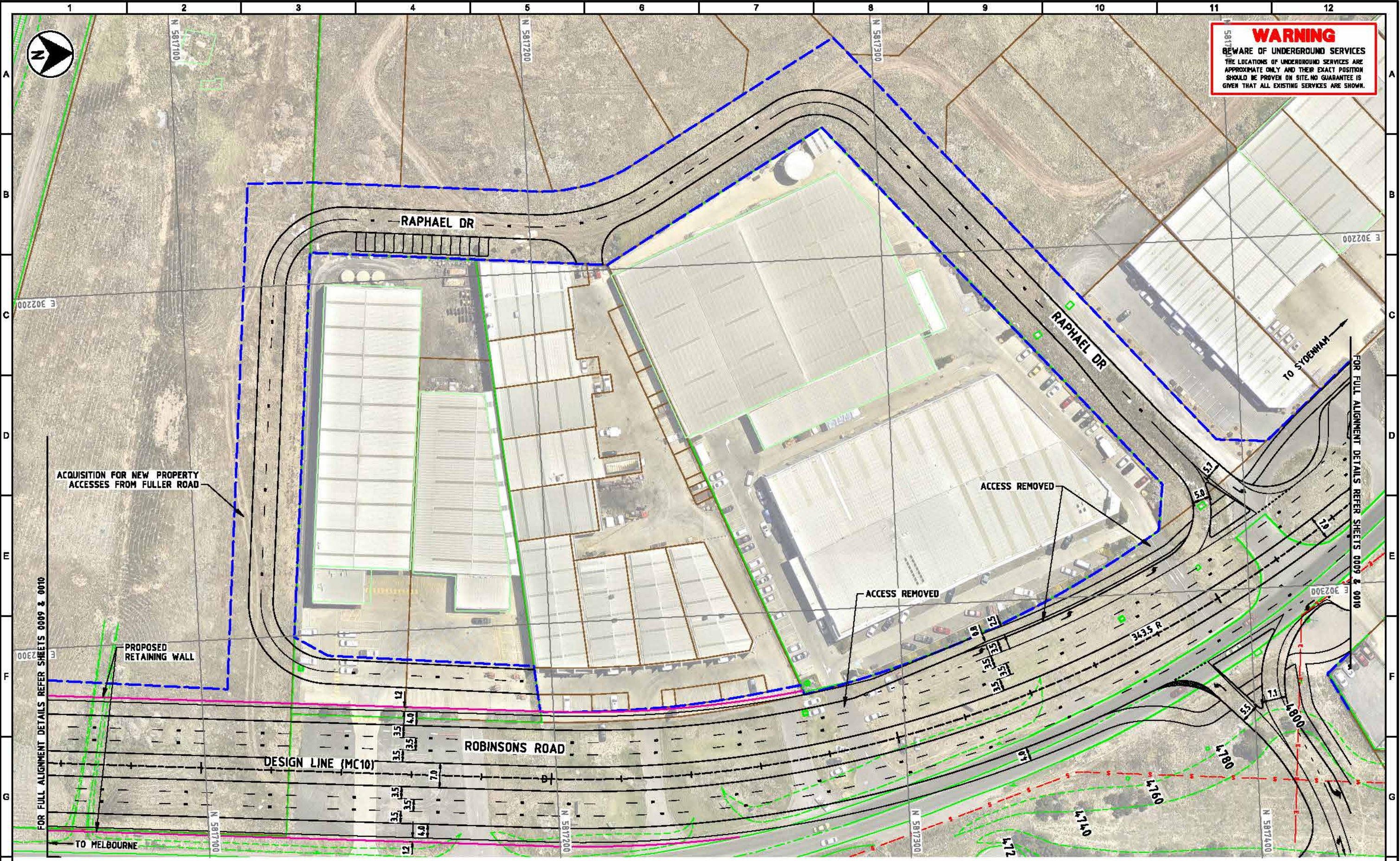
**PALMERS ROAD CORRIDOR
 PRELIMINARY ALIGNMENT PLAN
 SHEET 9**

SCALE: 1:1000
 DRAWING No: SB20176-ECC-DG-0509
 DATE: 02/07/2015
 REV: A

DATE: 15-JUN-2016 10:54AM LOGIN NAME: dhanan LOCATION: C:\Users\dhanan\Documents\1766320176-ECC-DG-0509.dgn



WARNING
 BEWARE OF UNDERGROUND SERVICES
 THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



FOR FULL ALIGNMENT DETAILS REFER SHEETS 0009 & 0010

FOR FULL ALIGNMENT DETAILS REFER SHEETS 0009 & 0010

ACQUISITION FOR NEW PROPERTY ACCESSES FROM FULLER ROAD

PROPOSED RETAINING WALL

ACCESS REMOVED

ACCESS REMOVED

DESIGN LINE (MC10)

ROBINSONS ROAD

RAPHAEL DR

RAPHAEL DR

TO SYDNEY

TO MELBOURNE

LEGEND

- | | | |
|----------------|------------------------|----------------------|
| 12500 CHAINAGE | EXISTING ELECTRICITY | EXISTING GAS |
| ROW BOUNDARY | EXISTING SEWER | EXISTING HV OVERHEAD |
| EXISTING WATER | EXISTING OPTICAL FIBER | |



**PALMERS ROAD CORRIDOR
 PRELIMINARY ALIGNMENT PLAN
 SHEET 9-A**

SCALE: 1:1000 DRAWING No: SB20176-ECC-DG-0559 DATE: 02/07/2015 REV: A



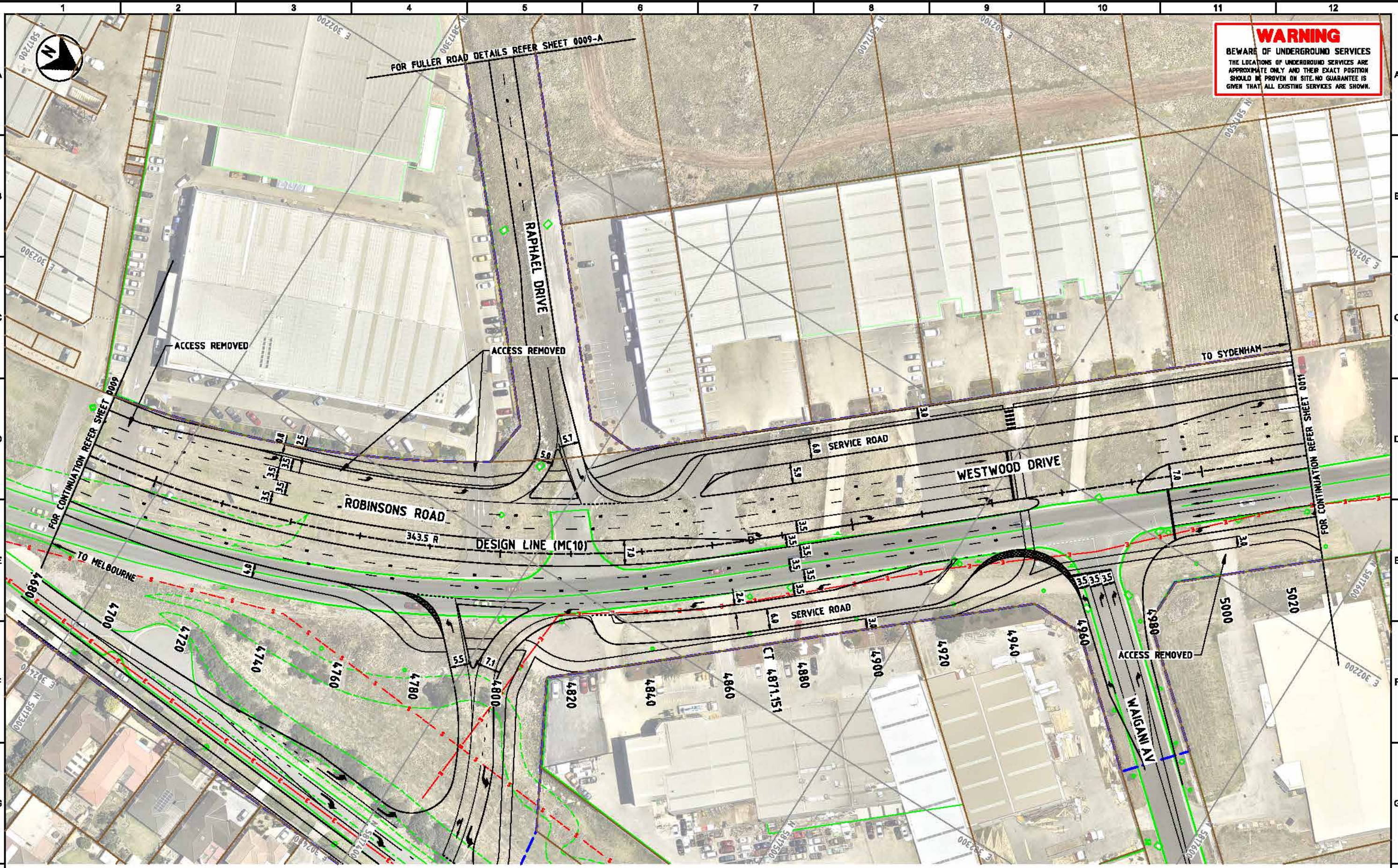
DATE: 15-JUL-2016 10:29AM LOGIN NAME: dman LOCATION: C:\workspace\Documents\16820176\SB20176-ECC-DG-0559.dgn

WARNING
 BEWARE OF UNDERGROUND SERVICES
 THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY, AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

FOR FULLER ROAD DETAILS REFER SHEET 0009-A

FOR CONTINUATION REFER SHEET 0009

FOR CONTINUATION REFER SHEET 0011



LEGEND

- | | | |
|----------------|------------------------|----------------------|
| 12500 CHAINAGE | EXISTING ELECTRICITY | EXISTING GAS |
| ROW BOUNDARY | EXISTING SEWER | EXISTING HV OVERHEAD |
| EXISTING WATER | EXISTING OPTICAL FIBER | |



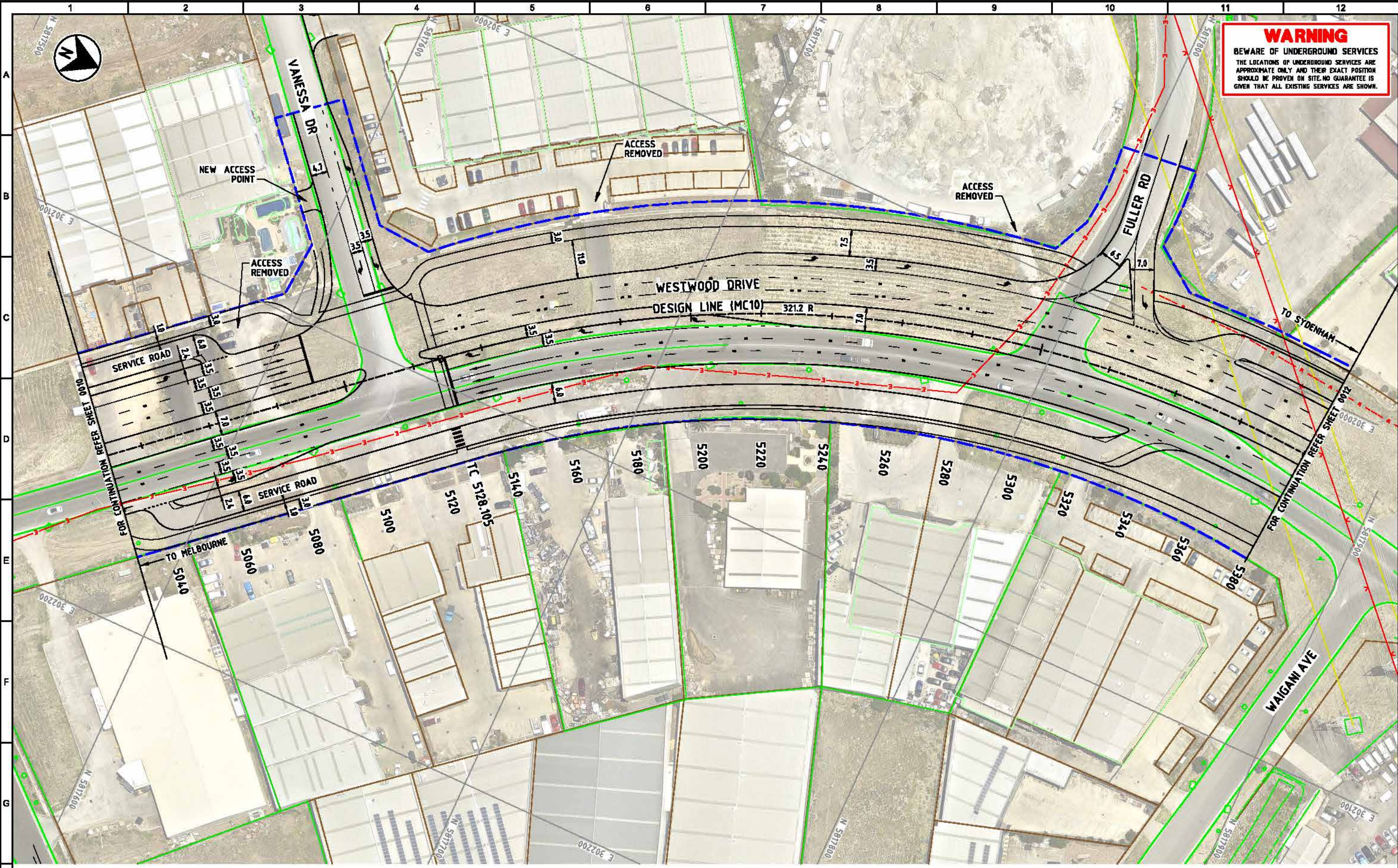
**PALMERS ROAD CORRIDOR
 PRELIMINARY ALIGNMENT PLAN
 SHEET 10**

SCALE: 1:1000
 DRAWING NO: SB20176-ECC-DG-0510
 DATE: 02/07/2015
 REV: A



DATE: 15-MAR-2016 10:54AM LOGIN NAME: sharon LOCATION: C:\workspace\Documents\6820176-ECC-DG-0510.dgn

WARNING
 BEWARE OF UNDERGROUND SERVICES
 THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



DATE: 12-14-2016 10:54AM LOGIN NAME: dman LOCATION: C:\Users\dman\Documents\68201766-ECC-DG-0511.dgn



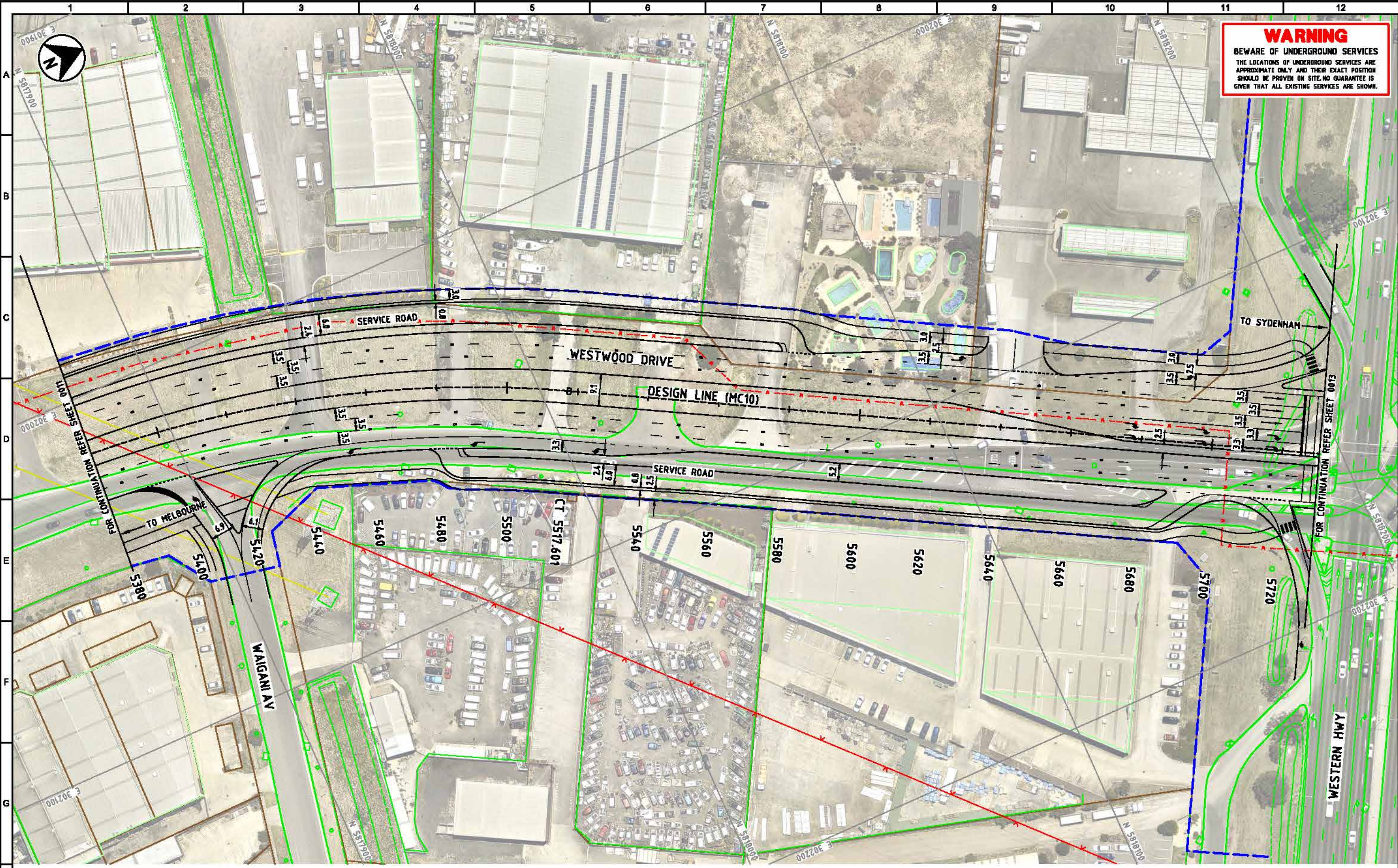
LEGEND

- | | | |
|----------------|------------------------|----------------------|
| 12500 CHAINAGE | EXISTING ELECTRICITY | EXISTING GAS |
| ROW BOUNDARY | EXISTING SEWER | EXISTING HV OVERHEAD |
| EXISTING WATER | EXISTING OPTICAL FIBER | |



PALMERS ROAD CORRIDOR
PRELIMINARY ALIGNMENT PLAN
SHEET 11
 SCALE 1:1000 DRAWING No SB20176-ECC-DG-0511 DATE 02/07/2015 REV A

WARNING
 BEWARE OF UNDERGROUND SERVICES
 THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



LEGEND

- | | | |
|----------------|------------------------|----------------------|
| 12500 CHAINAGE | EXISTING ELECTRICITY | EXISTING GAS |
| ROW BOUNDARY | EXISTING SEWER | EXISTING HY OVERHEAD |
| EXISTING WATER | EXISTING OPTICAL FIBER | |

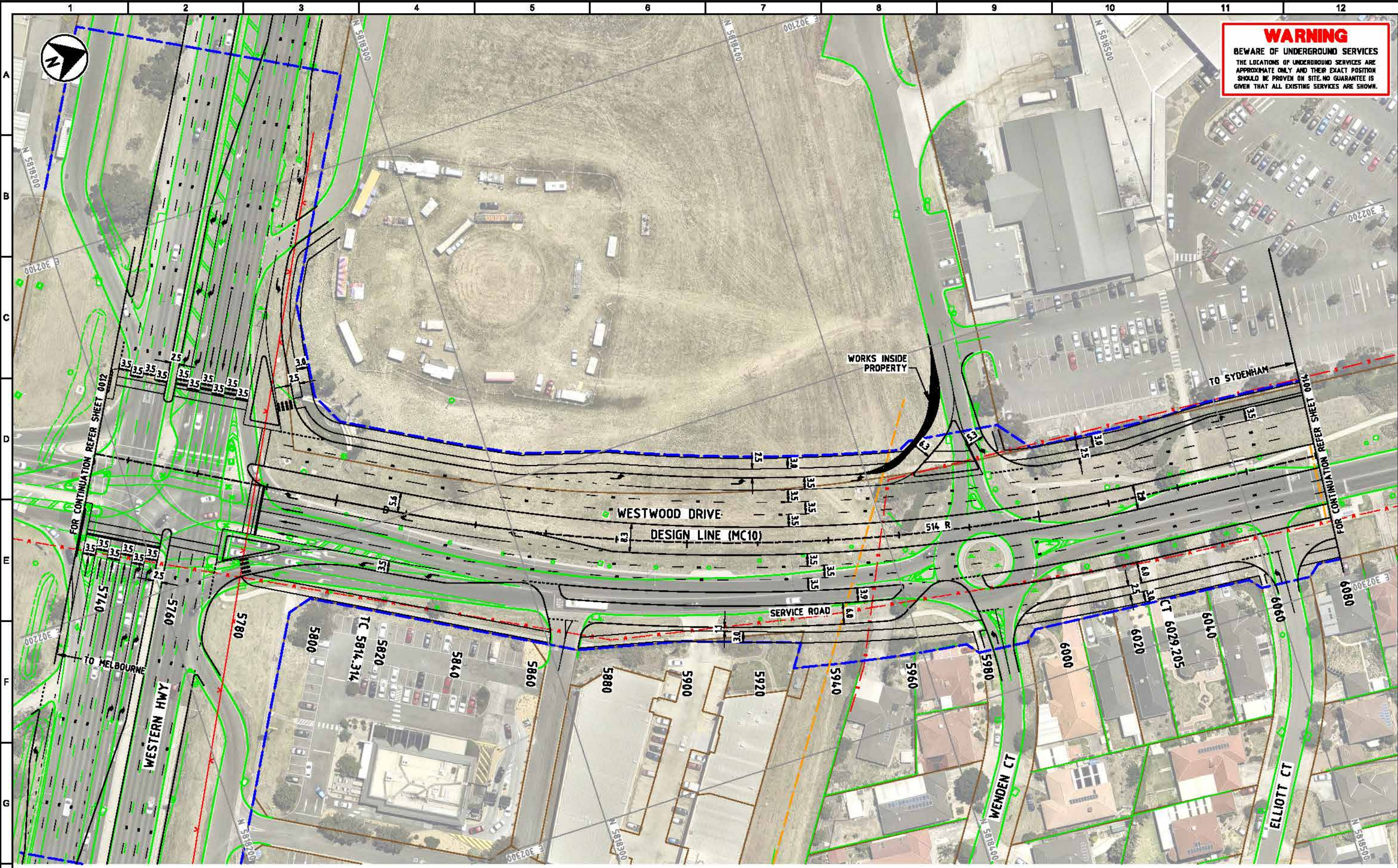
**PALMERS ROAD CORRIDOR
 PRELIMINARY ALIGNMENT PLAN
 SHEET 12**

SCALE: 1:1000 DRAWING No: SB20176-ECC-DG-0512 DATE: 02/07/2015 REV: A

DATE: 15-JUL-2016 10:28AM LOGIN NAME: dhanan LOCATION: C:\Users\dhanan\Documents\68201768\SB20176-ECC-DG-0512.dgn



WARNING
 BEWARE OF UNDERGROUND SERVICES
 THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



LEGEND

- | | | |
|----------------|------------------------|----------------------|
| 12500 CHAINAGE | EXISTING ELECTRICITY | EXISTING GAS |
| ROW BOUNDARY | EXISTING SEWER | EXISTING HV OVERHEAD |
| EXISTING WATER | EXISTING OPTICAL FIBER | |



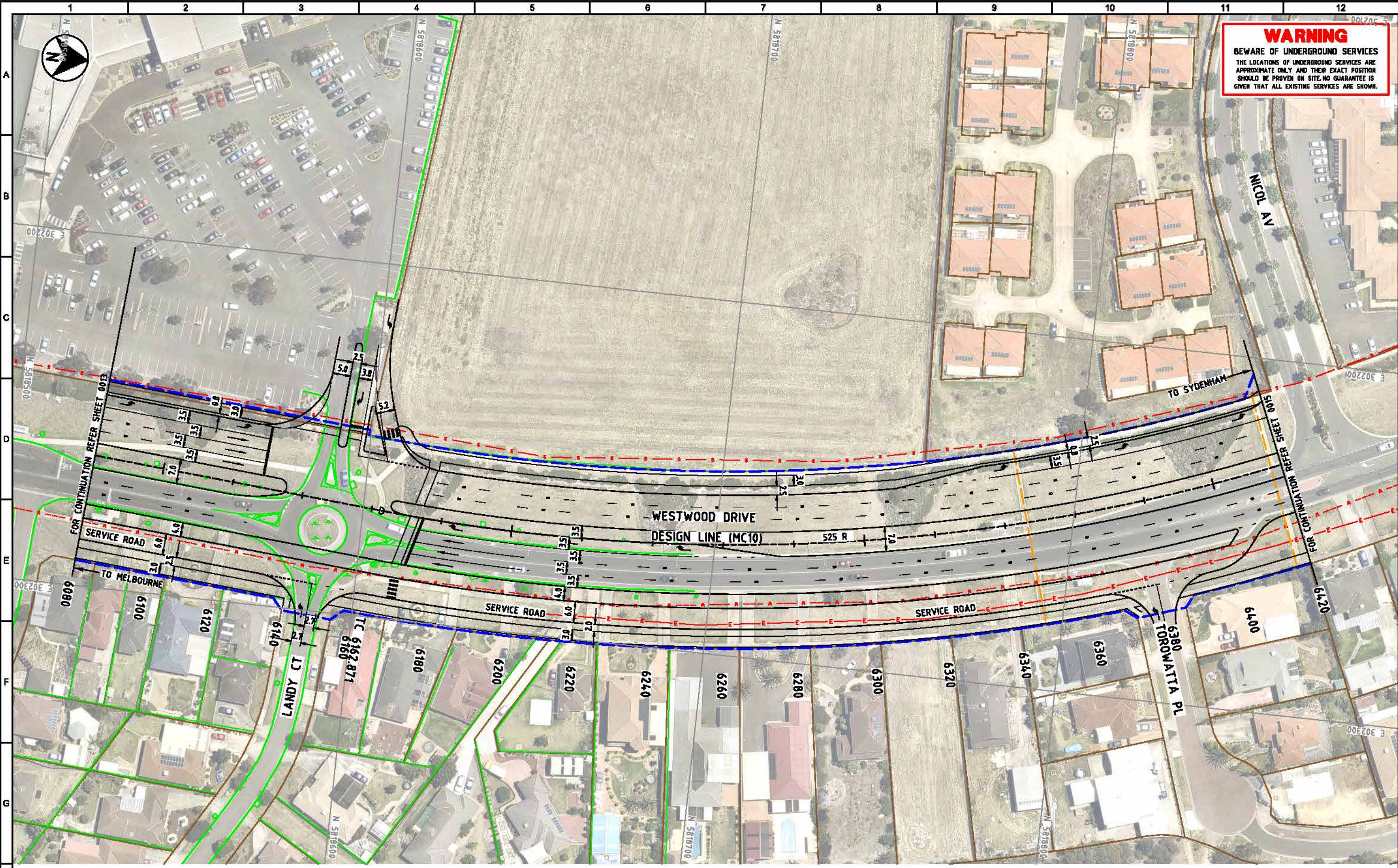
**PALMERS ROAD CORRIDOR
 PRELIMINARY ALIGNMENT PLAN
 SHEET 13**

SCALE: 1:1000
 DRAWING No: SB20176-ECC-DG-0513
 DATE: 02/07/2015
 REV: A

DATE: 15-MAR-2016 10:28AM LOGIN NAME: alman LOCATION: C:\workspace\Documents\16820176-ECC-DG-0513.dgn



WARNING
 BEWARE OF UNDERGROUND SERVICES
 THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



LEGEND

- | | | |
|----------------|------------------------|----------------------|
| 12500 CHAINAGE | EXISTING ELECTRICITY | EXISTING GAS |
| ROW BOUNDARY | EXISTING SEWER | EXISTING HY OVERHEAD |
| EXISTING WATER | EXISTING OPTICAL FIBER | |

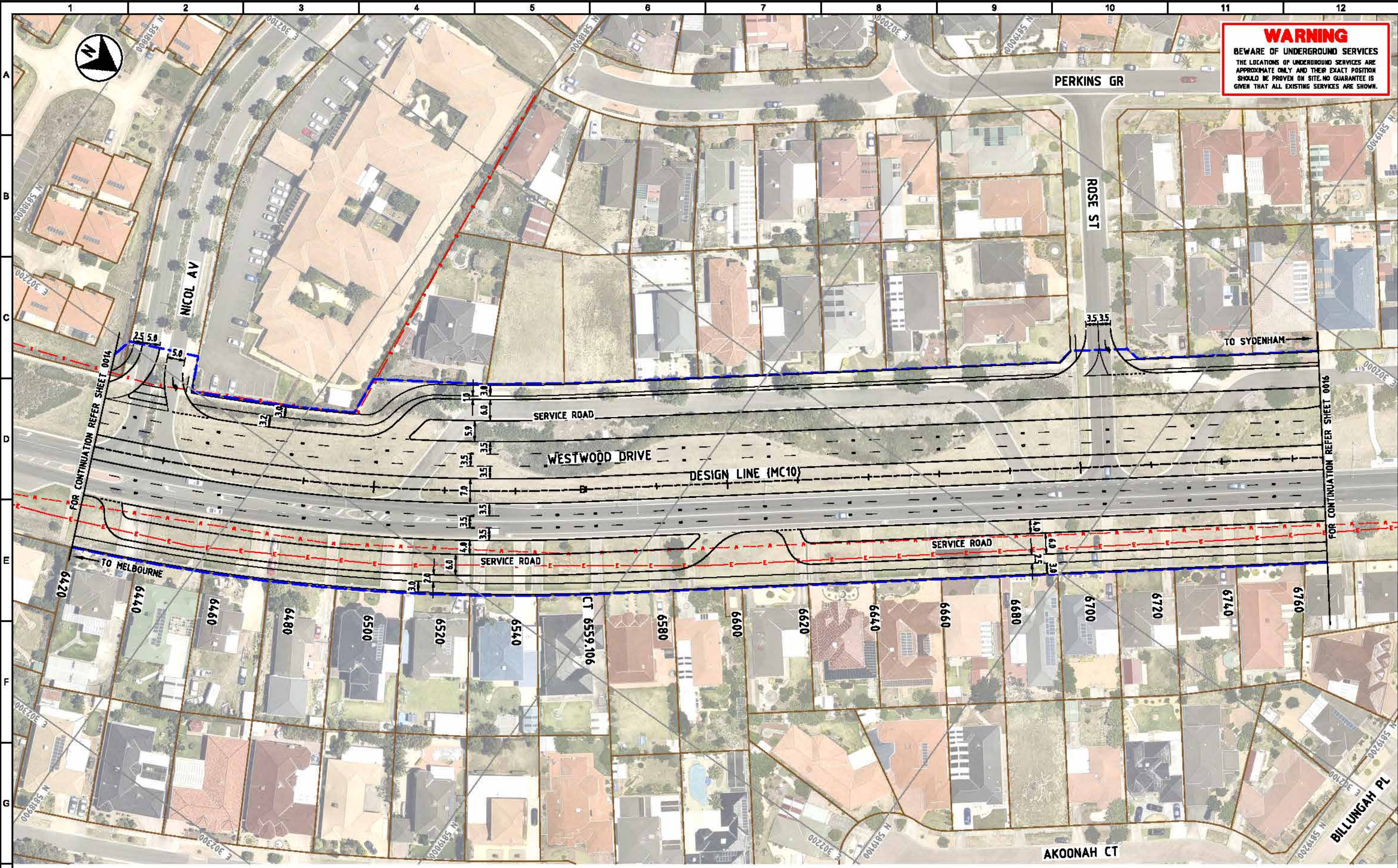
**PALMERS ROAD CORRIDOR
 PRELIMINARY ALIGNMENT PLAN
 SHEET 14**

SCALE 1:1000 DRAWING NO SB20176-ECC-DG-0514 DATE 02/07/2015 REV A

DATE: 15/04/2016 10:28AM LOGIN NAME: dman LOCATION: C:\workspace\Documents\16820176\SB20176-ECC-DG-0514.dgn



WARNING
 BEWARE OF UNDERGROUND SERVICES
 THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



FOR CONTINUATION REFER SHEET 0014

FOR CONTINUATION REFER SHEET 0016

TO SYDENHAM

TO MELBOURNE

LEGEND

- | | | | | |
|--------------------|-----|------------------------|-----|----------------------|
| 12500 CHAINAGE | --- | EXISTING ELECTRICITY | --- | EXISTING GAS |
| --- ROW BOUNDARY | --- | EXISTING SEWER | --- | EXISTING HV OVERHEAD |
| --- EXISTING WATER | --- | --- | --- | --- |
| | --- | EXISTING OPTICAL FIBER | | |

SCALE 1:1000

**PALMERS ROAD CORRIDOR
 PRELIMINARY ALIGNMENT PLAN
 SHEET 15**

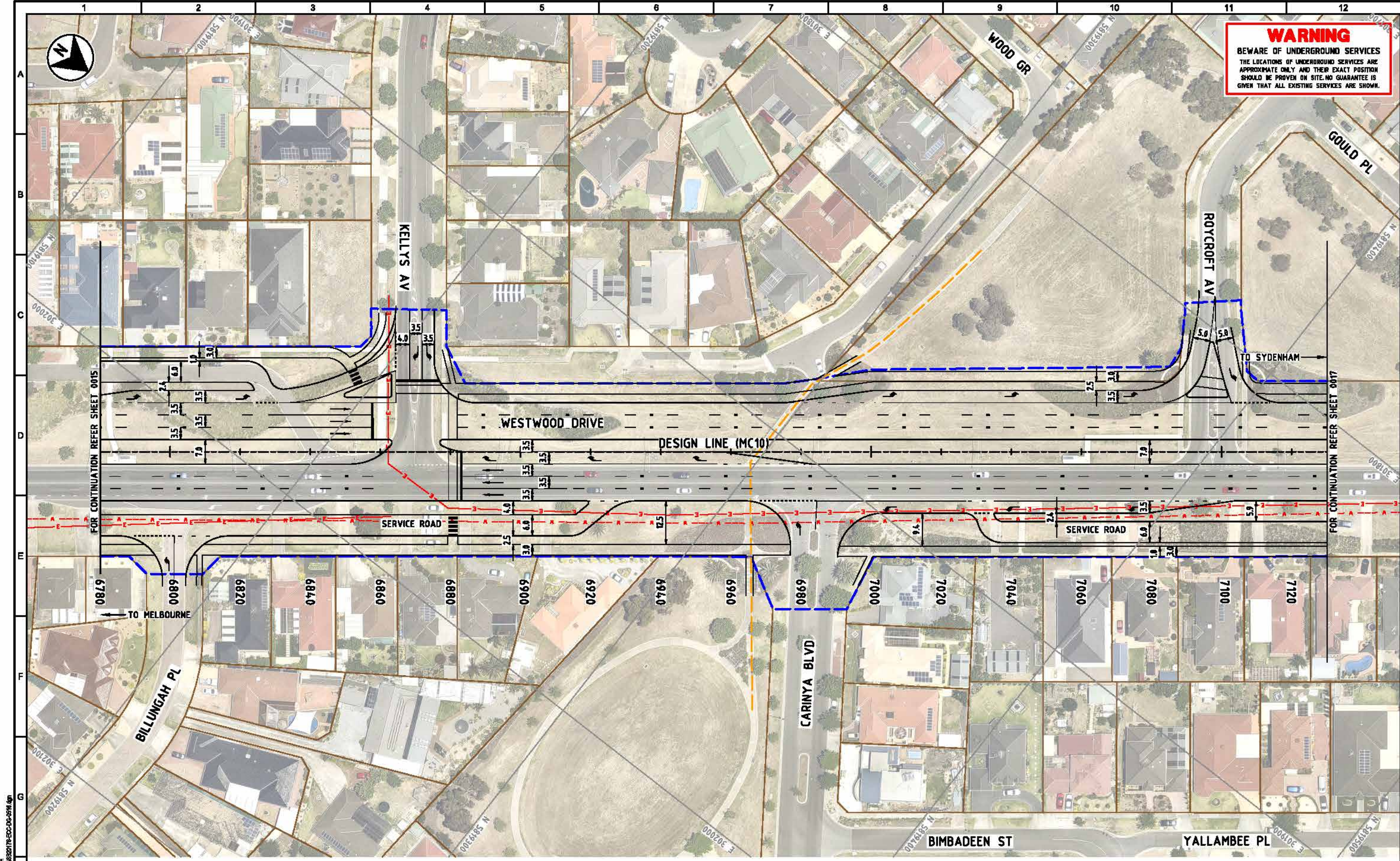
DRAWING No SB20176-ECC-DG-0515 DATE 02/07/2015 REV A

DATE: 15-JUN-2016 10:28AM LOGIN NAME: dman LOCATION: C:\workspace\Documents\1766300176-ECC-DG-0515.dgn





WARNING
 BEWARE OF UNDERGROUND SERVICES
 THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



FOR CONTINUATION REFER SHEET 0015

FOR CONTINUATION REFER SHEET 0017

TO MELBOURNE

TO SYDENHAM

LEGEND

- 12500 CHAINAGE
- ROW BOUNDARY
- EXISTING WATER
- EXISTING ELECTRICITY
- EXISTING SEWER
- EXISTING OPTICAL FIBER
- EXISTING GAS
- EXISTING HV OVERHEAD



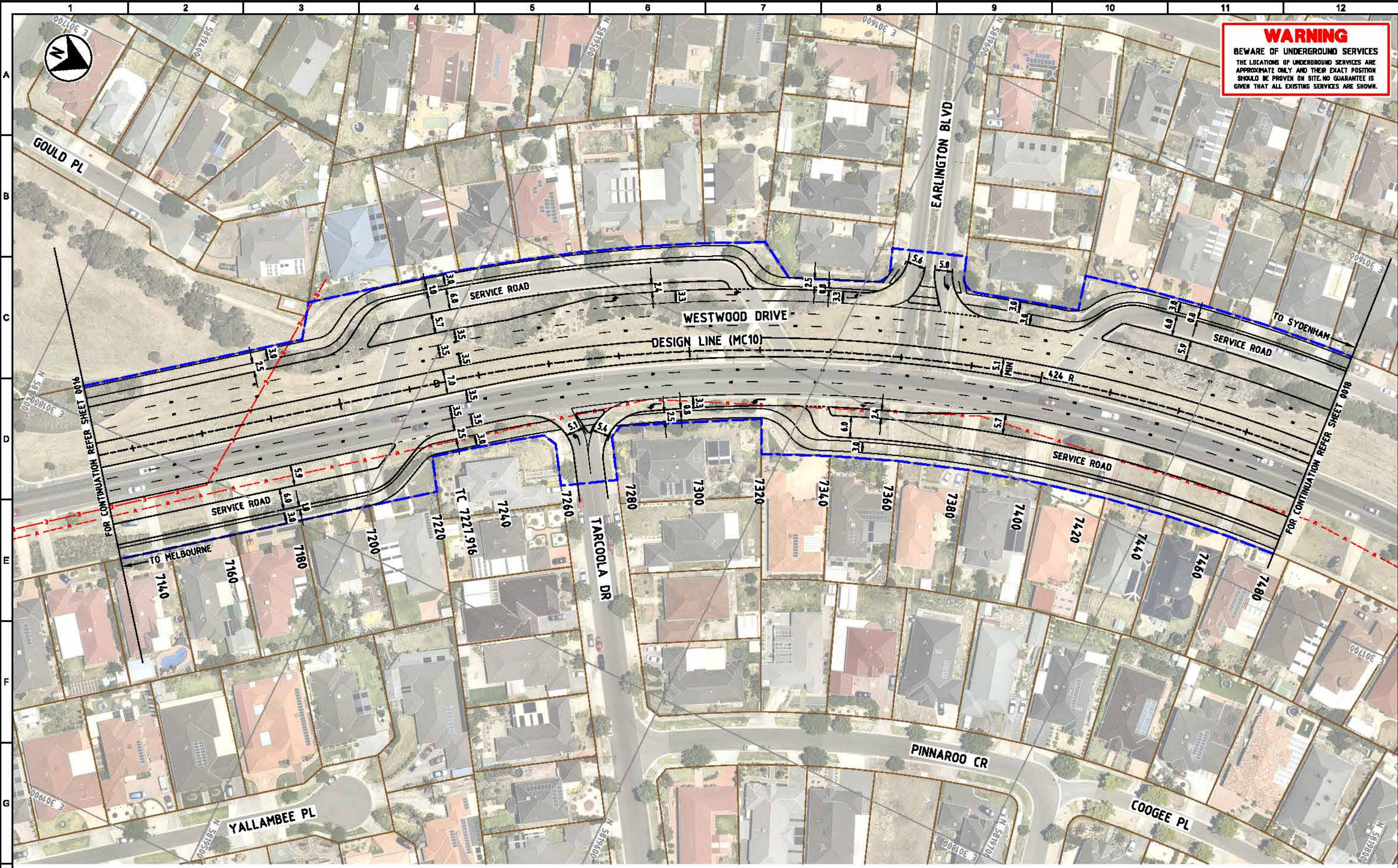
PALMERS ROAD CORRIDOR
PRELIMINARY ALIGNMENT PLAN
SHEET 16

SCALE: 1:1000
 DRAWING No: SB20176-ECC-DG-0516
 DATE: 02/07/2015
 REV: A



DATE: 15-JUN-2016 10:28AM LOGIN NAME: dman LOCATION: C:\workspace\Documents\16820176\SB20176-ECC-DG-0516.dgn

WARNING
 BEWARE OF UNDERGROUND SERVICES
 THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



FOR CONTINUATION REFER SHEET 0016

FOR CONTINUATION REFER SHEET 0018

TO MELBOURNE

TO SYDENHAM

LEGEND

- 12500 CHAINAGE
- ROW BOUNDARY
- EXISTING WATER
- EXISTING ELECTRICITY
- EXISTING SEWER
- EXISTING OPTICAL FIBER
- EXISTING GAS
- EXISTING HY OVERHEAD



PALMERS ROAD CORRIDOR
 PRELIMINARY ALIGNMENT PLAN
 SHEET 17

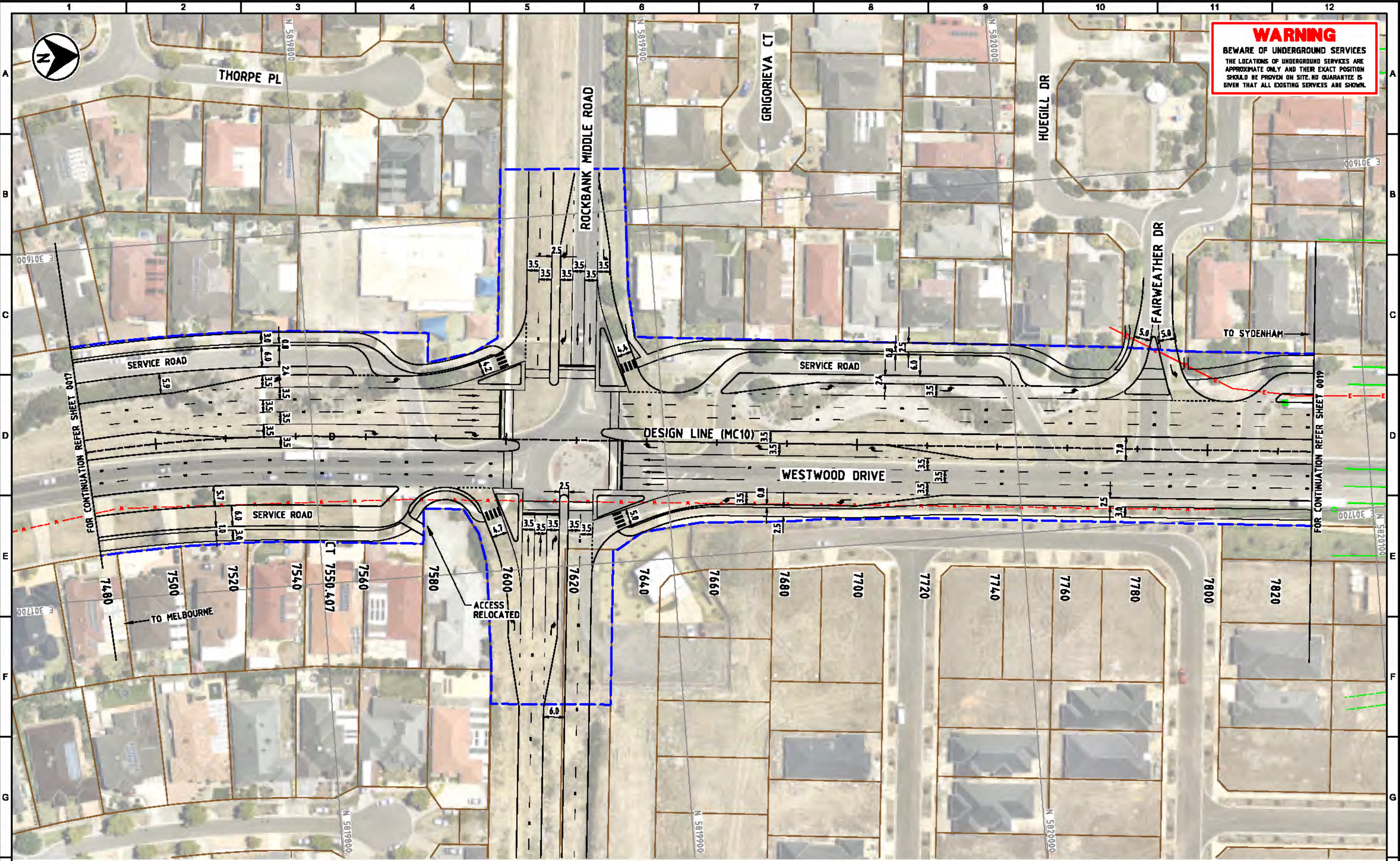
SCALE: 1:1000
 DRAWING No: SB20176-ECC-DG-0517
 DATE: 02/07/2015
 REV: A



DATE: 15/04/2016 10:29AM LOGIN NAME: sharon LOCATION: C:\workspace\Documents\16820176\SB20176-ECC-DG-0517.dgn



WARNING
 BEWARE OF UNDERGROUND SERVICES
 THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



DATE: 17-Jul-2015 01:30 PM LOGIN NAME: d60000
 LOCATION: C:\Users\d60000\Documents\Temp\SB20176\20176-001.dgn



LEGEND

- 12500 CHAINAGE
- ROW BOUNDARY
- EXISTING WATER
- EXISTING ELECTRICITY
- EXISTING SEWER
- EXISTING OPTICAL FIBER
- EXISTING GAS
- EXISTING HV OVERHEAD

SCALE 1:1000

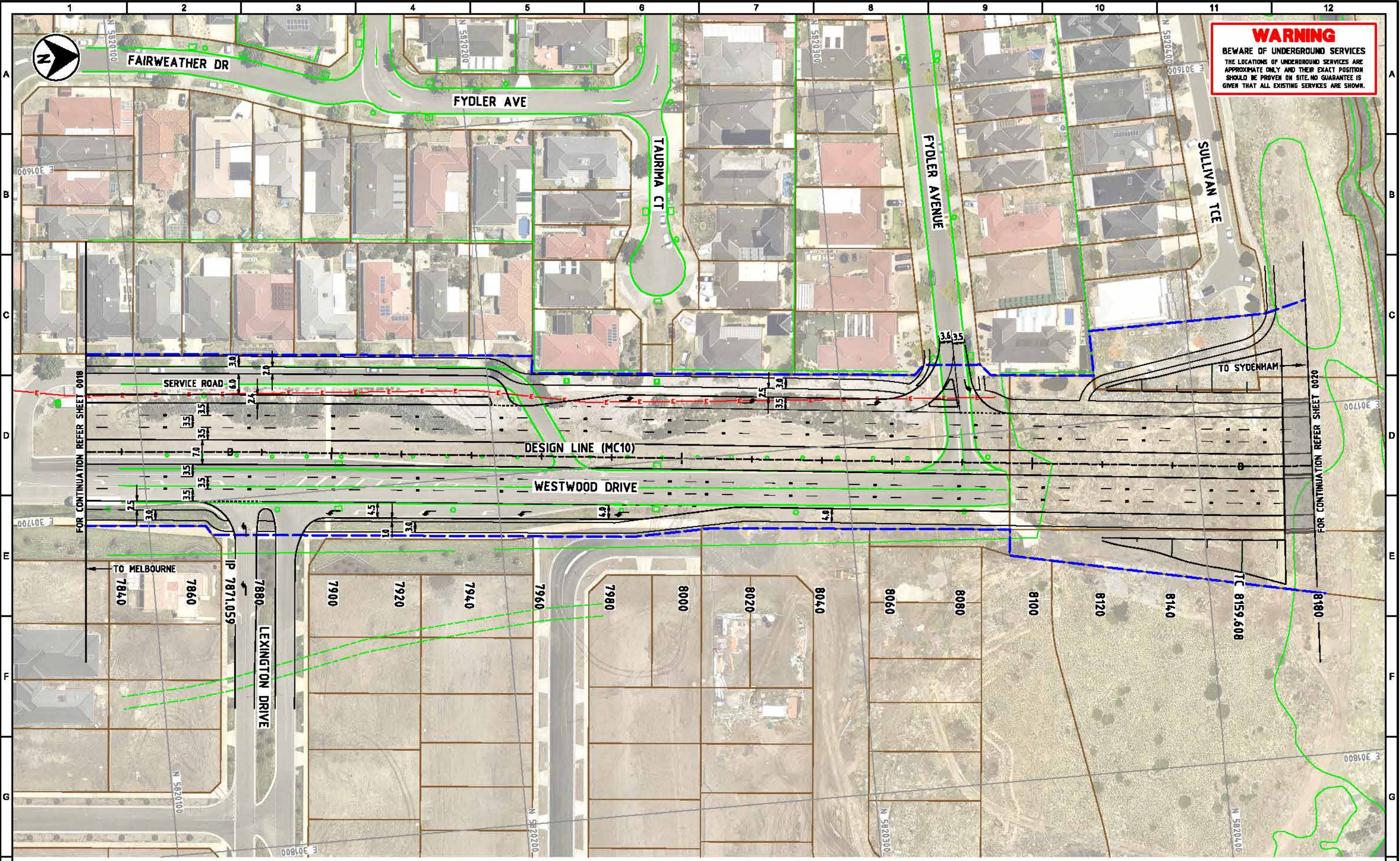
PROJECT: PALMERS ROAD CORRIDOR
 PRELIMINARY ALIGNMENT PLAN
 SHEET 18

DRAWING No: SB20176-ECC-DG-0518
 DATE: 02/07/2015
 REV: A

A3



WARNING
 BEWARE OF UNDERGROUND SERVICES
 THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



FOR CONTINUATION REFER SHEET 0018

FOR CONTINUATION REFER SHEET 0020

TO MELBOURNE
7840

7860

7880
IP 7871,059

7900

7920

7940

7960

7980

8000

8020

8040

8060

8080

8100

8120

8140

TC 8159,608

8180

LEXINGTON DRIVE

DESIGN LINE (MC10)

WESTWOOD DRIVE

TO SYDENHAM

LEGEND

- 12500 CHAINAGE
- ROW BOUNDARY
- EXISTING WATER
- EXISTING ELECTRICITY
- EXISTING SEWER
- EXISTING OPTICAL FIBER
- EXISTING GAS
- EXISTING HV OVERHEAD



**PALMERS ROAD CORRIDOR
 PRELIMINARY ALIGNMENT PLAN
 SHEET 19**

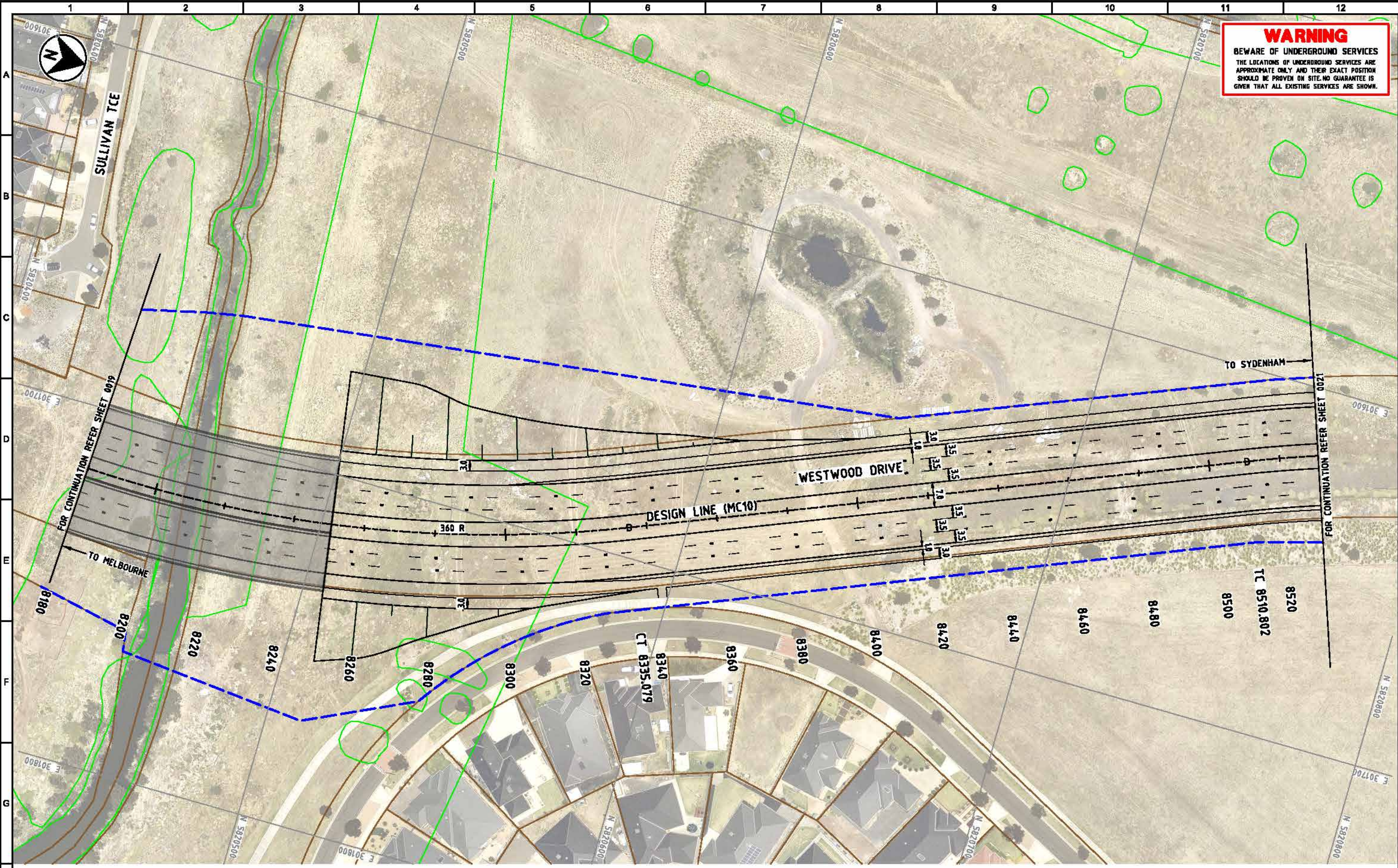
SCALE 1:1000
 DRAWING No SB20176-ECC-DG-0519
 DATE 02/07/2015
 REV A

DATE: 15-JUL-2016 10:29AM LOGIN NAME: dhanan LOCATION: C:\workspace\Documents\16820176-ECC-DG-0519.dgn



A3

WARNING
 BEWARE OF UNDERGROUND SERVICES
 THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



FOR CONTINUATION REFER SHEET 0019

FOR CONTINUATION REFER SHEET 0021

TO SYDENHAM

TO MELBOURNE

LEGEND

- 12500 CHAINAGE
- - - ROW BOUNDARY
- - - EXISTING WATER
- - - EXISTING ELECTRICITY
- - - EXISTING SEWER
- - - EXISTING OPTICAL FIBER
- - - EXISTING GAS
- - - EXISTING HV OVERHEAD



PALMERS ROAD CORRIDOR
 PRELIMINARY ALIGNMENT PLAN
 SHEET 20

SCALE 1:1000

DRAWING No. SB20176-ECC-DG-0520

DATE 02/07/2015

REV A



DATE: 15-Jul-2016 10:29AM LOGIN NAME: sharon LOCATION: C:\Users\sharon\Documents\176\SB20176-ECC-DG-0520.dgn