MERRIFIELD DEVELOPMENT

STAGE 1

DONNYBROOK ROAD, MICKLEHAM

HUME CITY COUNCIL

FOR

merrifield

MAB GPC

CIVIL DRAWINGS

ROAD AND DRAINAGE

Drawing File: G:\Designdata\11700\11721-MERRIFIELD - Precinct 1 - Stage 1\Acad\R0\
11721R0FS.dwg - 11721R0FS
Date/Time: Mon Aug 11, 2014 - 9:02am ---byron.shade---

SET NUMBER:

AS CONSTRUCTED

DCE
dalton consulting engineers

255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6866
F 61 3 9888 6880
W www.dceprofile.com

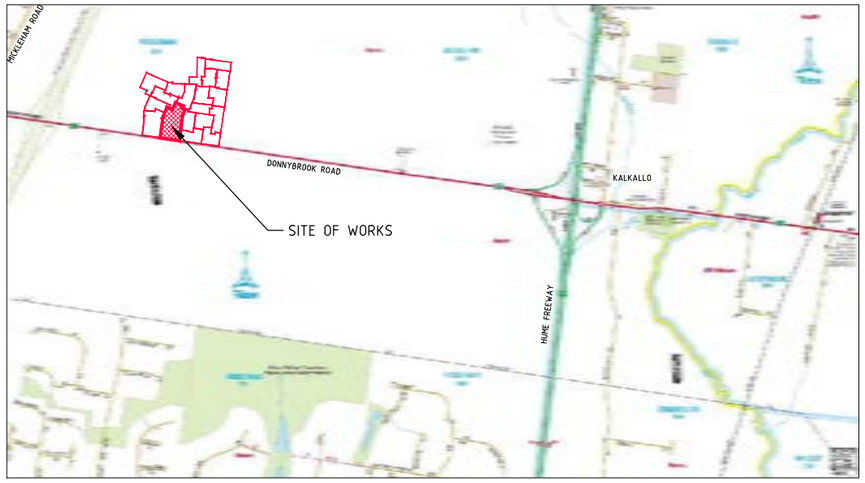
Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4064
Australia
T 61 7 3367 1732
E info@dceprofile.com

GENERAL NOTES

1. ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM AND ALL COORDINATES ARE TO MAP GRID OF AUSTRALIA (MGA) ZONE 55.
2. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH AS4000 AMENDED GENERAL CONDITIONS OF CONTRACT, THE ROAD & DRAINAGE SPECIFICATION, APPROVED HUME CITY COUNCIL SPECIFICATION AND STANDARD DRAWINGS, AND TO THE SATISFACTION OF THE SUPERINTENDENT AND THE CITY ENGINEER OR HIS REPRESENTATIVE.
3. A PRE-COMMENCEMENT MEETING WITH COUNCIL IS TO BE ARRANGED PRIOR TO COMMENCEMENT OF THE WORKS.
4. ALL SERVICE AUTHORITIES SHALL BE NOTIFIED IN WRITING SEVEN DAYS PRIOR TO COMMENCEMENT OF THE WORKS.
5. TBMS TO BE RE-ESTABLISHED BY THE LICENSED SURVEYOR IF FOUND TO BE MISSING AT THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR CARE AND MAINTENANCE OF TBMS THEREAFTER.
6. ALL EXISTING SURFACE LEVELS SHOWN ON THE ENGINEERING DRAWINGS HAVE BEEN INTERPOLATED FROM A DIGITAL TERRAIN MODEL. THESE LEVELS HAVE BEEN USED AS THE BASIS FOR ALL ENGINEERING DESIGN AND DETERMINATION OF QUANTITIES.
7. THE CONTRACTOR IS REQUIRED TO CONFINE CONSTRUCTION VEHICLES TO THE ROAD RESERVE AND EASEMENTS. ANY DAMAGE CAUSED TO ALLOTMENTS MUST BE MADE GOOD.
8. ANY BUILDINGS, TROUGHS, FENCES AND OTHER STRUCTURES ON SITE ARE TO BE REMOVED AS DIRECTED BY THE ENGINEER. THE COST OF REMOVAL IS TO BE INCLUDED IN THE OVERALL EARTHWORKS FIGURE UNLESS A SPECIFIC ITEM FOR REMOVAL IS DENOTED IN THE SCHEDULE.
9. FILL AREAS IN EXCESS OF 300mm ARE TO BE STRIPPED OF TOPSOIL, FILLED, AND TOPSOIL REPLACED TO OBTAIN THE FINAL FILL LEVELS SHOWN ON THE DRAWINGS. ALL FILLING MUST ENSURE LEVEL 1 GEOTECHNICAL SUPERVISION IS MAINTAINED AS PER CLAUSE 8.2 OF AS3798 "GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS". STRUCTURAL FILLING MATERIAL IS TO BE IN ACCORDANCE WITH THE SPECIFICATIONS.
10. NO FILL OR STOCKPILING OF MATERIAL IS TO BE PLACED ON ANY RESERVE OR COMMON PROPERTY UNLESS OTHERWISE DIRECTED BY THE ENGINEER. NO TOPSOIL IS TO BE REMOVED FROM SITE. SURPLUS SOIL MUST BE MADE AVAILABLE FOR LOTS AND RESERVES.
11. WHERE PAVEMENT IS CONSTRUCTED ON FILL, FILL MATERIAL IS TO BE APPROVED BY THE SUPERINTENDENT AND COUNCIL AND CONSTRUCTED IN LAYERS 150MM THICK WITH COMPACTION IN ACCORDANCE WITH AS3798. PRIOR TO THE PLACEMENT OF THE FILL MATERIAL UNDER NEW PAVEMENTS, APPROVAL OF THE MATERIAL TO BE USED MUST BE OBTAINED FROM COUNCIL.
12. WHEN PAVEMENT EXCAVATION IS IN ROCK ALL LOOSE MATERIAL (INCLUDING ROCKS AND CLAY) MUST BE REMOVED. THE SUB-GRADE MUST THEN BE REGULATED WITH COUNCIL APPROVED MATERIAL.
13. AT LEAST 3 DAYS BEFORE COMMENCING EXCAVATION OF TRENCHES IN EXCESS OF 1.5m DEPTH, A COMPLETED "NOTICE OF INTENTION TO COMMENCE TRENCHING OPERATIONS" FORM SHALL BE SENT TO WORKSAFE VICTORIA. THE NOMINATED SUPERVISOR SHALL BE SUITABLY QUALIFIED IN ACCORDANCE WITH VICTORIAN OHS ACT 1985 & COMMONWEALTH OHS CODE OF PRACTICE 2008.
14. NO BLASTING TO BE CARRIED OUT WITHIN 20 METRES OF EXISTING SERVICES.
15. ALL TREES AND SHRUBS ARE TO BE RETAINED UNLESS OTHERWISE SHOWN. IF ROAD AND DRAINAGE CONSTRUCTION NECESSITATES THEIR REMOVAL, WRITTEN PERMISSION MUST BE OBTAINED FROM THE ENGINEER.
16. ALL DISTURBED SURFACES SHOULD BE OVER EXCAVATED BY 150mm, TOP SOILED WITH MINIMUM 150mm OF LOCAL TOP SOIL AND BITUMEN STRAW HYDROSEEDED.
17. ALL BLOCKS ARE TO SURFACE GRADE WITH A MINIMUM FALL OF 1 IN 150 ALONG THE LOW SIDE BOUNDARY TO THE POINT OF DISCHARGE.
18. ALL BATTERS SHALL BE 1 IN 6, UNLESS OTHERWISE SHOWN.
19. ALL CHAINAGES REFER TO ROAD RESERVE DESIGN LINES EXCEPT:
    - IN COURT HEADS WHERE CHAINAGES REFER TO LIP OF KERB
    - KERB RETURNS WHERE CHAINAGES REFER TO LIP OF KERB.
20. GENERALLY B2 KERB AND CHANNEL IS TO BE USED THROUGHOUT THE SUBDIVISION. WHERE OTHER KERB TYPES ARE REQUIRED THEY ARE SPECIFICALLY SHOWN ON THE DRAWINGS.
21. LIP OF ALL KERB RADII ARE 8.60m UNLESS OTHERWISE SHOWN.
22. FOOTPATHS TO BE OFFSET 50mm FROM THE TITLE BOUNDARIES. FOOTPATHS IN ACCORDANCE WITH GAA FIGURE 006 UNLESS NOTED OTHERWISE.
23. VEHICULAR CROSSINGS OF THE TYPE INDICATED ARE TO BE OFFSET 1.5m FROM THE LOT BOUNDARY OR EASEMENT UNLESS OTHERWISE SHOWN. DRIVEWAY GRADES TO BE 1 IN 6 MAX.
24. PROVIDE LAYBACKS IN KERB TO ALL PRAM CROSSINGS IN ACCORDANCE WITH COUNCIL STANDARDS.
    ASPHALT FILLETS/RAMPS ARE TO BE PROVIDED ON THE BASE COURSE ASPHALT TO REMOVE TRIPS AT ALL PEDESTRIAN CROSSING LOCATIONS.
25. ALL LINE MARKING AND SIGNAGE TO BE INSTALLED IN ACCORDANCE WITH AS 1742-1 AND AS 1742-2, UNLESS SPECIFICALLY SHOWN OTHERWISE.
    LINEMARKING IS TO BE INSTALLED USING EXTRUDED LONG LIFE THERMOPLASTIC PAINT.
    STREET SIGNS ARE REQUIRED TO SHOW STREET NUMBERS APPLICABLE TO EACH BLOCK.
    ALL TEMPORARY WARNING SIGNS USED DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH AS 1742-3.
26. THE LOCATION OF EXISTING SERVICES SHOWN ON THESE PLANS SHALL BE PROVEN ON SITE. THE APPROPRIATE AUTHORITY SHALL BE CONTACTED AND THE SERVICES LOCATED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
27. ALL EASEMENTS ARE 2.0m OR 3.0m WIDE DRAINAGE AND SEWERAGE EASEMENTS UNLESS OTHERWISE SHOWN.
28. CENTRELINES OF ALL SEWERS ARE OFFSET 1.2m OR 2.2m FROM THE PROPERTY LINE UNLESS OTHERWISE SHOWN.
29. CENTRELINES OF ALL EASEMENT DRAINS ARE OFFSET 1.0m OR 2.2m FROM THE PROPERTY LINE UNLESS OTHERWISE SHOWN.
30. ALL STORMWATER DRAINS ARE TO BE CLASS '2' RC OR FRC PIPES UNLESS OTHERWISE SHOWN. ALL RC PIPES UP TO AND INCLUDING 750mm IN DIAMETER SHALL BE RUBBER RING JOINTED (RRJ). PIPES ABOVE THIS SIZE MAY BE FLUSH JOINTED WITH EXTERNAL SEALING BANDS. FRC PIPES MAY ONLY BE USED IN EASEMENTS.
31. WHERE CURVED PIPES ARE SHOWN ON THE FACE PLANS THEY ARE TO BE LAID PARALLEL TO THE BACK OF KERB, EXCEPT WHERE A RADIUS HAS BEEN SPECIFICALLY NOMINATED. ALL DRAINS BEHIND KERBS ARE TO BE LAID AT THE OFFSET SPECIFIED IN THE COUNCIL SPECIFICATION. CURVED PIPES OF DIAMETER LESS THAN 600mm ON LARGE RADIUS CURVES ARE APPROVED BY COUNCIL SUBJECT TO COMPLIANCE WITH MANUFACTURER'S SPECIFICATION.
32. ALL SIDE ENTRY PITS EXCEPT THOSE AT LOW POINTS ARE TO HAVE FLUTES AS SPECIFIED IN THE COUNCIL STANDARD DRAWINGS.
33. ALL PIPE AND SERVICE TRENCHES THAT EXTEND UNDER ROADWAYS TO BE BACKFILLED WITH CLASS 2 CRUSHED ROCK.
    ALL SERVICE TRENCHES UNDER DRIVEWAYS, FOOTPATHS AND PARKING BAYS TO BE BACKFILLED WITH CLASS 2 CRUSHED ROCK. SERVICE TRENCHES LESS THAN 750mm BEHIND PARKING BAYS ARE ALSO TO BE BACKFILLED WITH COMPACTED CLASS 2 CRUSHED ROCK.
34. 100mm NOMINAL DIAMETER P.V.C. CLASS 400 A.G. DRAIN TO BE LAID UNDER ALL KERB & CHANNEL AT THE DEEPER OF 750mm BELOW KERB OR TO THE BOTTOM OF THE SUBBASE LAYER, IN ACCORDANCE WITH GROWTH AREA AUTHORITY FIGURE 20
35. PROPERTY INLETS ARE TO BE PLACED 1.0m FROM LOW CORNERS OF ALLOTMENTS UNLESS OTHERWISE SHOWN.
36. 100mm DIA. HOUSE DRAINS IN STREETS TO BE PLACED 6.0m FROM LOW CORNERS UNLESS OTHERWISE SHOWN.
37. POSITION CONDUITS SO THAT A MINIMUM DISTANCE BETWEEN TAPPINGS IS 1.0m. CONDUITS NOT TO BE LOCATED WITHIN 4.0m OF ALLOTMENT BOUNDARY, UNLESS OTHERWISE SHOWN.
38. WATER TAPPINGS FOR LOTS SITUATED ON THE SAME SIDE AS THE WATERMAIN ARE TO BE LOCATED AT THE CENTRE OF THE LOT. THE KERB IS TO BE MARKED "W" WITH AN ARROW POINTING TO THE TAPPING.
39. GAS TO BE 50mm DIA. CLASS 12 P.V.C. & WATER CONDUITS TO BE 100 DIA. CLASS 12 P.V.C. SINGLE CONDUIT CONTAINING BOTH DW & NDW SERVICES LAID IN ACCORDANCE WITH WSA 03-2002 DUAL WATER SUPPLY SYSTEM STANDARD DRAWING WAT-1806-V
40. ELECTRICITY CONDUITS ARE TO BE LAID WITH THE FOLLOWING MINIMUM COVER TO FINISHED SURFACE LEVELS :
    UNDER ROADS - 0.90m
    ELSEWHERE - 0.60m
41. TACTILE GROUND SURFACE INDICATORS (TGSI'S) TO BE INSTALLED. TGSI'S ARE TO COMPLY WITH AS1428.4

DRAWING INDEX

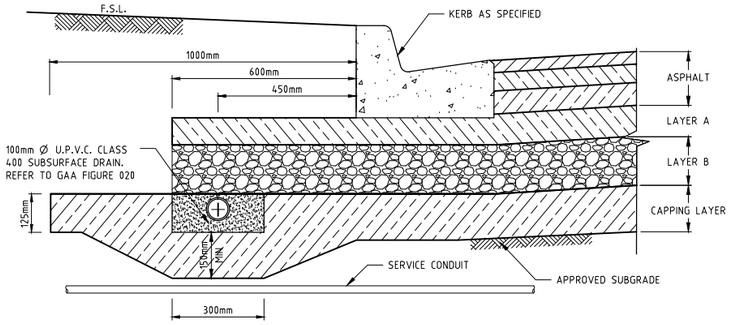
SHEET NO.	DRAWING NO.	DESCRIPTION
01	11721TD01	LOCALITY PLAN, INDEX AND DETAILS
02	11721TD02	TYPICAL SECTIONS
03	11721SP01	STAGING PLAN
04-05	11721DP01-02	DETAIL PLANS - SHEETS 1 TO 2
06-07	11721SOP01-02	SETOUT DETAILS - SHEETS 1 TO 2
08-15	11721ID01-08	INTERSECTION DETAILS - SHEETS 1 TO 8
16	11721LM01	SIGNAGE AND LINEMARKING PLAN
17-19	11721LS01-03	LONGITUDINAL SECTIONS - SHEETS 1 TO 3
20-28	11721XS01-09	CROSS SECTIONS - SHEETS 1 TO 9
29-34	11721DR01-06	DRAINAGE LONGITUDINAL SECTIONS - SHEETS 1 TO 6
35	11721DR07	DRAINAGE PIT SCHEDULE
36	11721FP01	FILL PLAN
37	11721POS01	PLAN OF SUBDIVISION
38	11721EF01	EXISTING FEATURES PLAN
39	11721CF01	CONSTRUCTION FENCING PLAN



LOCALITY PLAN

MELWAY REF MAP: 366 D3,E4

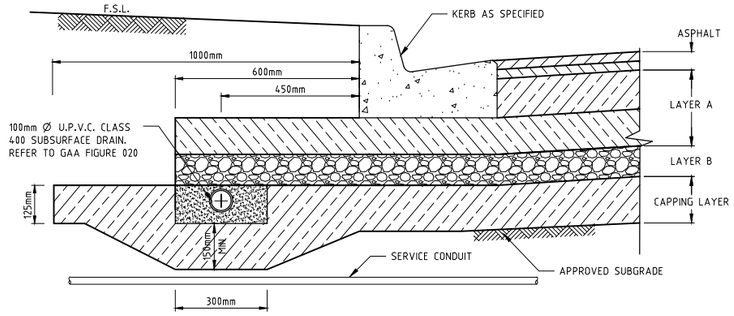
NTS



TYPICAL PAVEMENT DETAIL

MAJOR CONNECTOR ROAD

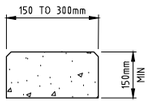
SCALE 1:10



TYPICAL PAVEMENT DETAIL

ACCESS STREETS / PLACES

SCALE 1:10



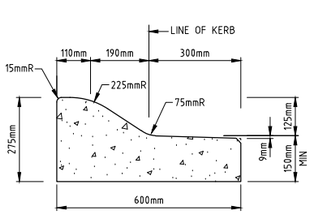
EDGE STRIP

SCALE 1:10

PAVEMENT DETAILS

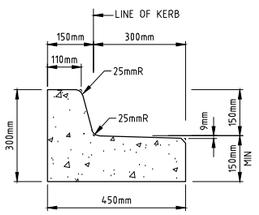
	MAJOR CONNECTOR ROAD ST. GEORGES BOULEVARD	ACCESS STREETS / PLACES OTHER ROADS
ASPHALT	WEARING COURSE 40mm SIZE 14mm TYPE N ASPAHLT INTERMEDIATE COURSE 1 60mm SIZE 20 TYPE SI ASPHALT BASE COURSE 75mm SIZE 20 TYPE SF ASPHALT	WEARING COURSE 30mm SIZE 10mm TYPE N ASPAHLT BASE COURSE 30mm SIZE 10 BITUMEN CRUMB RUBBER ASPHALT BITUMINOUS PRIME PRIME OR SIZE 5 OR SIZE 7 BITUMEN EMULSION PRIMERSEAL (NOT EXCEEDING 60% BITUMEN CONTENT) AT >0.9 L/m²
LAYER A	UPPER SUBBASE: 100mm SIZE 20mm 3% CEMENT TREATED CRUSHED ROCK (E=500MPa)	BASE COURSE 130mm SIZE 20mm CLASS 2 CRUSHED ROCK UPPER SUBBASE: 120mm SIZE 20 CLASS 3 CRUSHED ROCK
LAYER B	LOWER SUBBASE: 160mm SIZE 20 CLASS 4 CRUSHED ROCK	LOWER SUBBASE: 100mm SIZE 20 CLASS 4 CRUSHED ROCK
CAPPING LAYER	CAPPING 150mm REFER SECTION 7.4 OF REPORT	CAPPING 150mm REFER SECTION 7.4 OF REPORT
DEPTH TOTAL	585mm	560mm
SUBGRADE	SUBGRADE CBR ≥ 2%	SUBGRADE CBR ≥ 2%

REFER TO GOLDER ASSOCIATE'S GEOTECHNICAL REPORT NUMBER 127612078-001-R-Rev0 DATED 18/01/2013



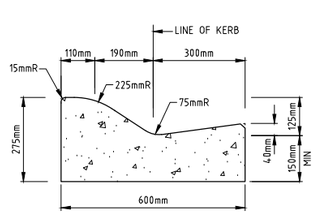
SM3 KERB & CHANNEL

SCALE 1:10



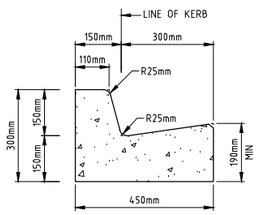
B3 KERB & CHANNEL

SCALE 1:10



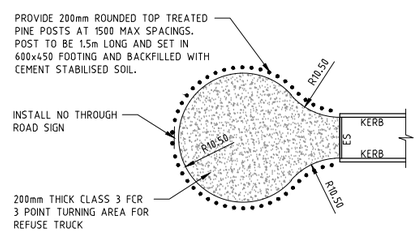
SM2 KERB & CHANNEL

SCALE 1:10



B2 KERB & CHANNEL

SCALE 1:10



TEMPORARY END ROAD DETAIL

SCALE 1:500

REV	AMENDMENTS	DATE	APP'D.
3	AS CONSTRUCTED	05/06/14	TL
2	CONSTRUCTION ISSUE TO CONTRACTOR	27/11/13	TL
1	ISSUED TO COUNCIL FOR FINAL APPROVAL	02/10/13	TL
0	CONSTRUCTION ISSUE	26/08/13	TL
C	ISSUED FOR TENDER	16/0713	TL
B	ISSUED TO COUNCIL FOR APPROVAL	27/06/13	TL
A	ISSUED TO COUNCIL	28/03/13	TL

Drawn HT Date 10/10/12
Designed BG
Date 10/10/12
AN 161059
Verified RFM
Date 15/07/13
AN 701517
Audited RCM
Date 22/0813
AN 641494
Approved TL
Date 26/08/13
AN 881839
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.

Coords: MGA
Levels: AHD

Scale @ A1/A3 AS SHOWN

merrifield
MAB GDC

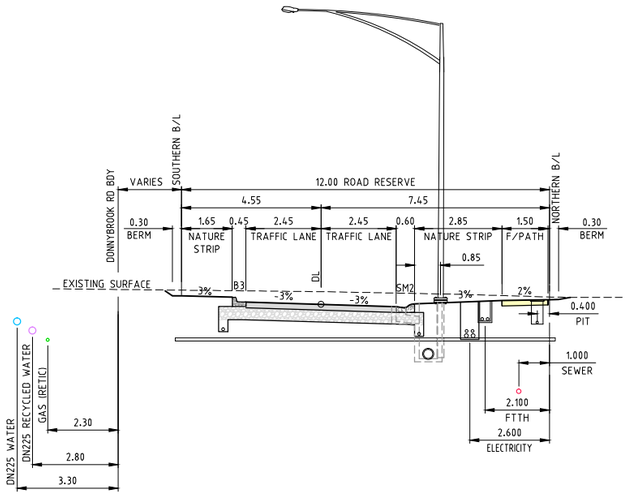
MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 1
LOCALITY PLAN, INDEX AND DETAILS

Drawing No. 11721TD01 Rev 3
Sheet No. 01 AS CONSTRUCTED

© Dalton Consulting Engineers Pty Ltd
ABN 78 429 221 049

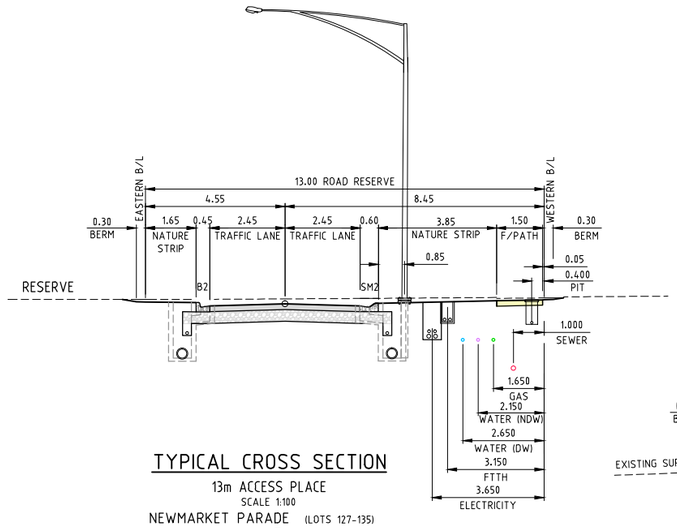
DCE
dalton consulting engineers
255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6666
F 61 3 9888 6880
W www.dceprofile.com
Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4064
Australia
T 61 7 3367 1732
E info@dceprofile.com

Drawing File: G:\Designdata\11700\11721-MERRIFIELD - Precinct 1 - Stage 1\Acad\RG\11721TD01.dwg - 11721TD01
Date/Time: Mon Aug 11, 2014 - 9:02am --byron.shode--



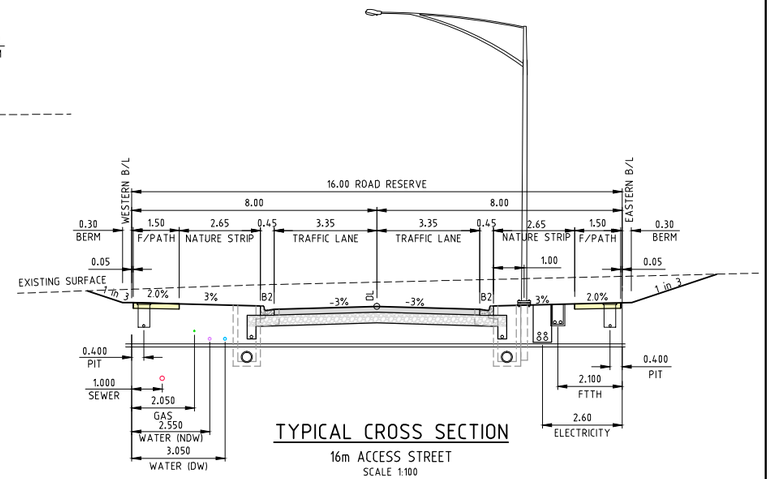
TYPICAL CROSS SECTION

12m ACCESS PLACE
SCALE 1:100
NEWMARKET PARADE (LOTS 135-138)



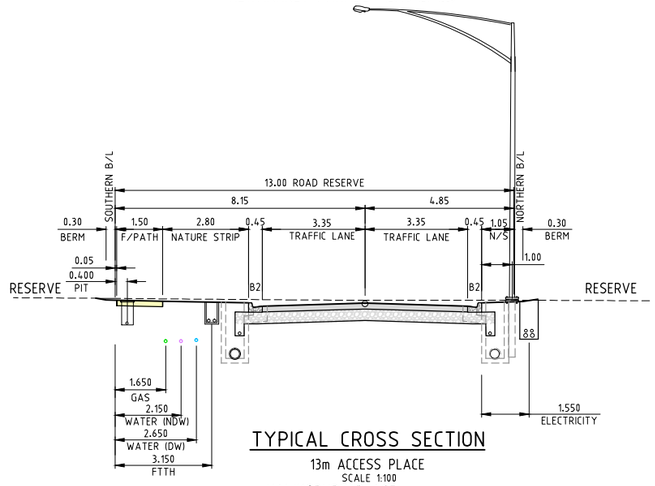
TYPICAL CROSS SECTION

13m ACCESS PLACE
SCALE 1:100
NEWMARKET PARADE (LOTS 127-135)



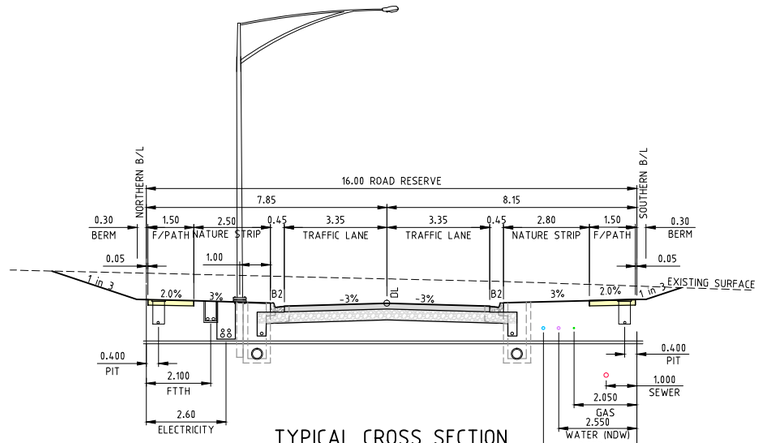
TYPICAL CROSS SECTION

16m ACCESS STREET
SCALE 1:100
NEWMARKET PARADE, (LOTS 101-115),
KINKORA AVE & ROCKLEY ROAD



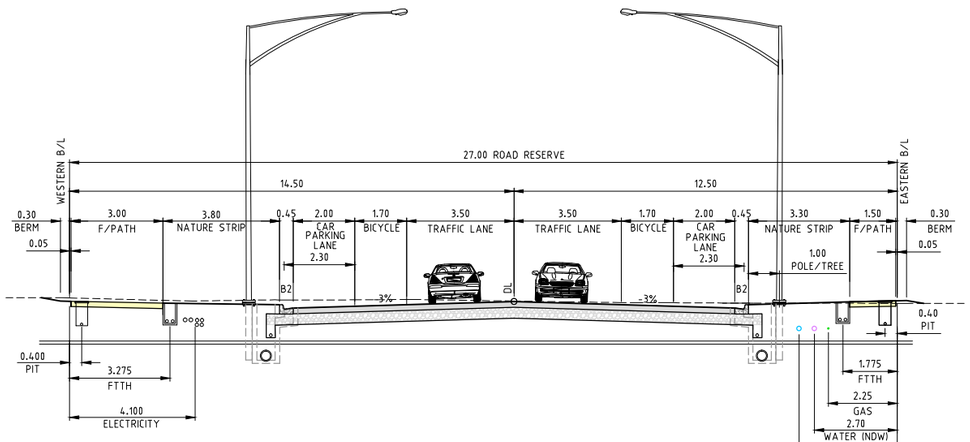
TYPICAL CROSS SECTION

13m ACCESS PLACE
SCALE 1:100
HAWKSBURN PLACE (ADJACENT TO RESERVE.)



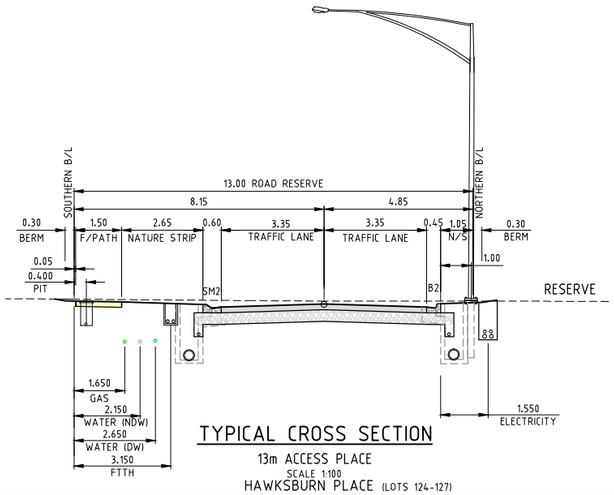
TYPICAL CROSS SECTION

16m ACCESS STREET
SCALE 1:100
YARRADALE BEND



TYPICAL CROSS SECTION

27m CONNECTOR ROAD
SCALE 1:100
ST. GEORGES BOULEVARD



TYPICAL CROSS SECTION

13m ACCESS PLACE
SCALE 1:100
HAWKSBURN PLACE (LOTS 124-127)

Drawing File: G:\Designdata\11700\11721-MERRIFIELD - Precinct 1 - Stage 1\dcad\RD\
11721TD01.dwg - 11721TD02
Date/Time: Mon Aug 11, 2014 - 9:02am ---byron.shade---

REV	AMENDMENTS	DATE	APP'D.
3	AS CONSTRUCTED	05/06/14	TL
2	CONSTRUCTION ISSUE TO CONTRACTOR	27/11/13	TL
1	ISSUED TO COUNCIL FOR FINAL APPROVAL	02/10/13	TL
0	CONSTRUCTION ISSUE	26/08/13	TL
C	ISSUED FOR TENDER	16/0713	TL
B	ISSUED TO COUNCIL FOR APPROVAL	27/06/13	TL
A	ISSUED TO COUNCIL	28/03/13	TL

Drawn HT Date 10/10/12
Designed BG
Date 10/10/12
AN 161060
Verified RFM
Date 15/07/13
AN 701518
Audited RCM
Date 22/0813
AN 641495
Approved TL
Date 26/08/13
AN 881840
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.

Coords: MGA
Levels: AHD
Hor 1:100 0m 1m 2m 4m 6m
Scale @ A1/A3 1:100/1:200

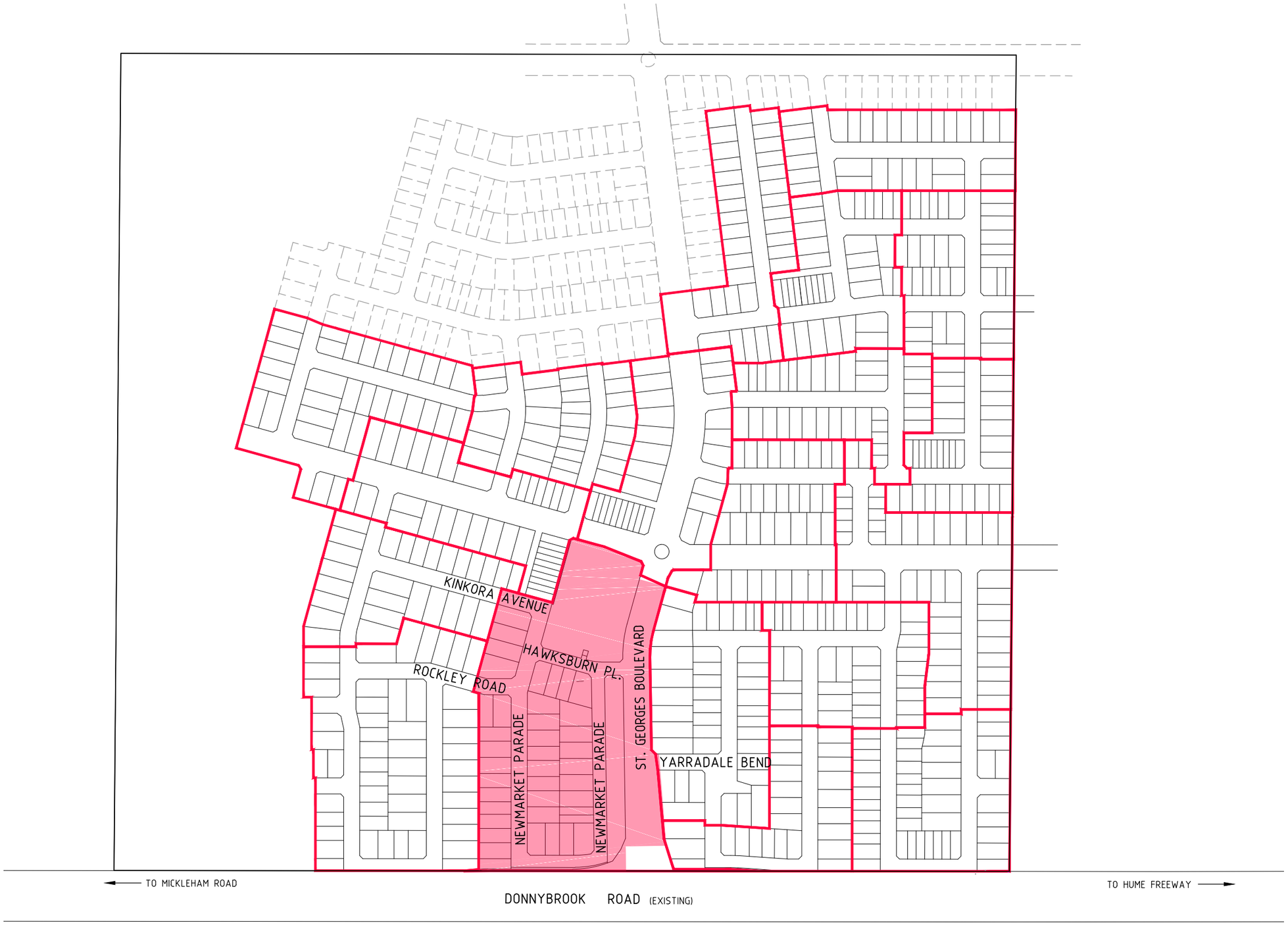
merrifield
MAB gpc

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 1
TYPICAL SECTIONS

Drawing No. 11721TD02 Rev 3
Sheet No. 02 AS CONSTRUCTED

© Dalton Consulting Engineers Pty Ltd
ABN 78 429 221 049

DCE
dalton consulting engineers
255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6866
F 61 3 9888 6880
W www.dceprofile.com
Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4064
Australia
T 61 7 3367 1732
E info@dceprofile.com



Drawing File: G:\Designdata\11700\11721-MERRIFIELD - Precinct 1 - Stage 1\Acad\GD\11721SP01.dwg - 11721SP01
Date/Time: Mon Aug 11, 2014 - 9:03am --byron.shade--

REV	AMENDMENTS	DATE	APP'D.
4	AS CONSTRUCTED	05/06/14	TL
3	CONSTRUCTION ISSUE TO CONTRACTOR	27/11/13	TL
2	LIMIT OF WORKS AMENDED	22/10/13	TL
1	ISSUED TO COUNCIL FOR FINAL APPROVAL	02/10/13	TL
0	CONSTRUCTION ISSUE	26/08/13	TL
C	ISSUED FOR TENDER	16/07/13	TL
B	ISSUED TO COUNCIL FOR APPROVAL	27/06/13	TL
A	ISSUED TO COUNCIL	28/03/13	TL

Drawn HT Date 10/10/12
Designed BG
Date 10/10/12
AN 161061
Verified RFM
Date 15/07/13
AN 701519
Audited RCM
Date 22/0813
AN 641496
Approved TL
Date 26/08/13
AN 881841
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.

Coords: MGA
Levels: AHD

Hor 1:2000 0m 20m 40m 80m 120m

Scale @ A1/A3 1:2000/1:4000

merrifield
MAB GDC

MERRIFIELD DEVELOPMENT

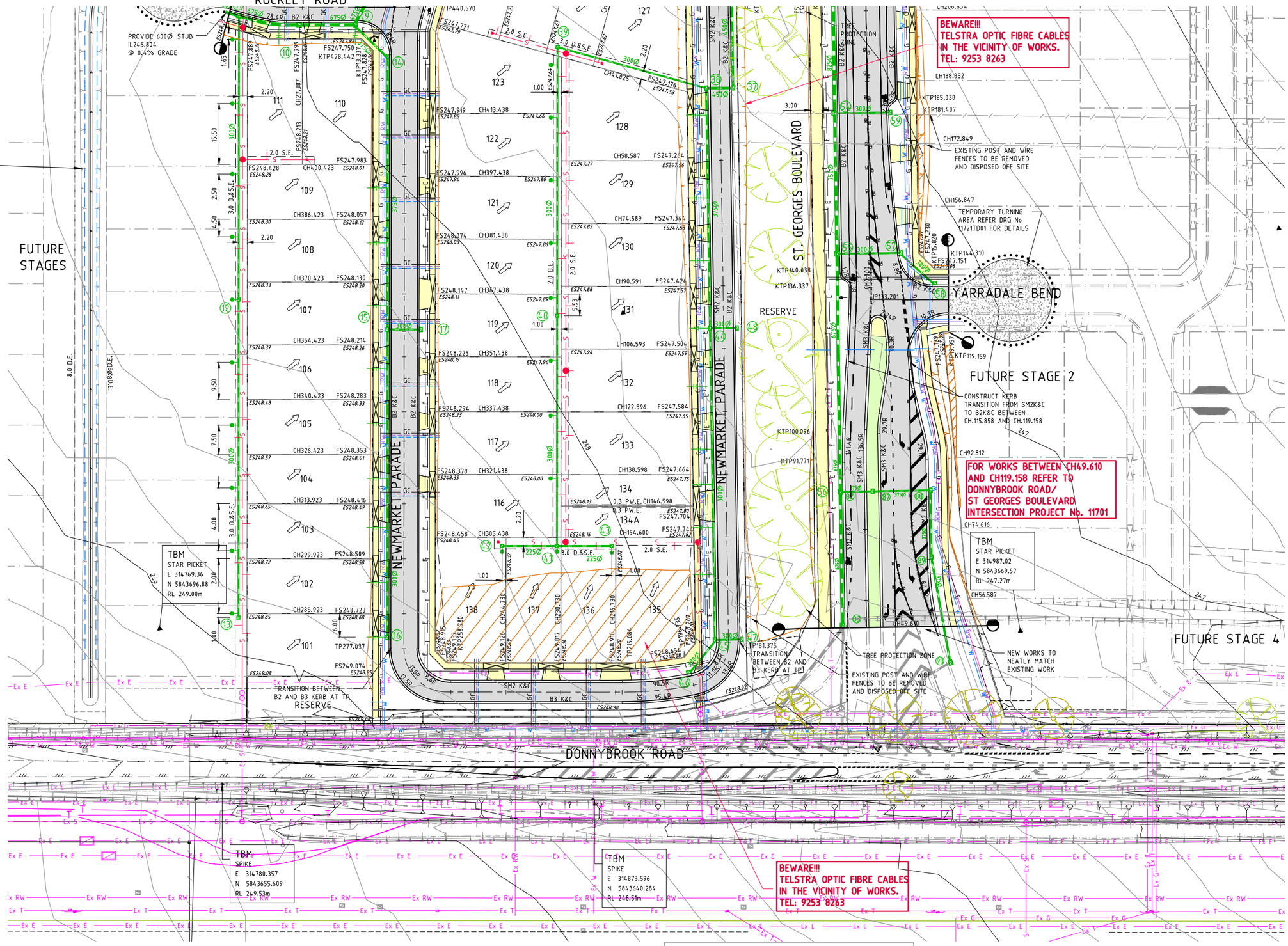
DONNYBROOK ROAD, MICKLEHAM
STAGE 1
STAGING PLAN

Drawing No. 11721SP01 Rev 4
Sheet No. 03 AS CONSTRUCTED

© Dalton Consulting Engineers Pty Ltd
ABN 78 429 221 049

DCE
dalton consulting engineers
255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6666
F 61 3 9888 6880
W www.dceprofile.com
Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4064
Australia
T 61 7 3367 1732
E info@dceprofile.com

FOR CONTINUATION REFER DRG. NO. 11721DP02



WARNING!
THE LOCATION OF EXISTING SERVICES SHOWN ON THESE PLANS MUST BE PROVEN ON SITE, THE APPROPRIATE AUTHORITY MUST BE CONTACTED AND THE SERVICES LOCATED PRIOR TO COMMENCEMENT OF ANY WORKS.

WARNING
NO DRAINAGE WORKS SHALL COMMENCE UNTIL THE CONTRACTOR CONFIRMS THE I.L. OF ALL EXISTING DRAINS, AND CONFIRMS IN WRITING WITH THE ENGINEERING SUPERVISOR.

DIAL BEFORE YOU DIG www.1100.com.au

FOR SERVICES OFFSET TABLE REFER DRG. NO. 11721DP02

Drawing File: G:\Designdata\11700\11721-MERRIFIELD - Precinct 1 - Stage 1\Acad\R01\11721DP01.dwg - 11721DP01
Date/Time: Mon Aug 11, 2014 - 9:03am --byron.shade---

REV	AMENDMENTS	DATE	APP'D.
4	AS CONSTRUCTED	05/06/14	TL
3	CONSTRUCTION ISSUE TO CONTRACTOR	27/11/13	TL
2	ST GEORGE BOULEVARD LIMIT OF WORKS AMENDED	15/10/13	TL
1	ISSUED TO COUNCIL FOR FINAL APPROVAL	02/10/13	TL
0	CONSTRUCTION ISSUE	26/08/13	TL
C	ISSUED FOR TENDER	16/07/13	TL
B	ISSUED TO COUNCIL FOR APPROVAL	27/06/13	TL
A	ISSUED TO COUNCIL	28/03/13	TL

Drawn HT Date 10/10/12
Designed BG
Date 10/10/12
AN 161062
Verified RFM
Date 15/07/13
AN 701520
Audited RCM
Date 22/08/13
AN 641497
Approved TL
Date 26/08/13
AN 881842
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.

LEGEND

- EXISTING WATER MAIN
- EXISTING GAS MAIN
- EXISTING ELECTRICAL CABLE
- EXISTING SEWER MAIN & MANHOLE
- EXISTING TELECOMM. CABLE AND PIT
- EXISTING ELEC. POLE & O'HEAD LINES
- EXISTING STORMWATER DRAIN & PIT
- CONSTRUCTED PRE DEVELOPMENT
- EXISTING TREES TO BE REMOVED
- ES20.06 EXISTING SURFACE LEVEL
- FS21.650 FINISHED SURFACE LEVEL
- OPEN EARTH DRAIN (O.E.D.)
- SEWER MAIN AND MANHOLE
- STORMWATER DRAIN & PIT
- SW DRAIN & PIT CONSTRUCTED IN PREVIOUS STAGES
- MAIN DRAIN
- PROPERTY INLETS
- HOUSE DRAIN
- GAS CONDUIT
- WATER CONDUIT
- RECYCLED WATER CONDUIT
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK
- IRRIGATION 100Ø CONDUIT
- OPTIC FIBRE
- WATER
- RECYCLED WATER
- TELECOMMUNICATIONS
- ELECTRICITY
- GAS
- STREET NAME SIGN
- LOT GRADE DIRECTION
- ASPHALT PAVEMENT
- CONC FOOTPATH / DRIVEWAY
- LANDSCAPING
- LIMIT OF WORKS
- FILLING OVER 200mm

Coords: MGA
Levels: AHD
Hor 1:500 0m 5m 10m 20m 30m
Scale @ A1/A3 1:500/1:1000

merrifield
MAB GDC

MERRIFIELD DEVELOPMENT

DONNYBROOK ROAD, MICKLEHAM
STAGE 1
DETAIL PLAN
SHEET 1 OF 2
Drawing No. 11721DP01 Rev 4
Sheet No. 04 AS CONSTRUCTED

© Dalton Consulting Engineers Pty Ltd
ABN 78 429 221 049

DCE
dalton consulting engineers
255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6866
F 61 3 9888 6880
W www.dceprofile.com
Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4064
Australia
T 61 7 3367 1732
E info@dceprofile.com

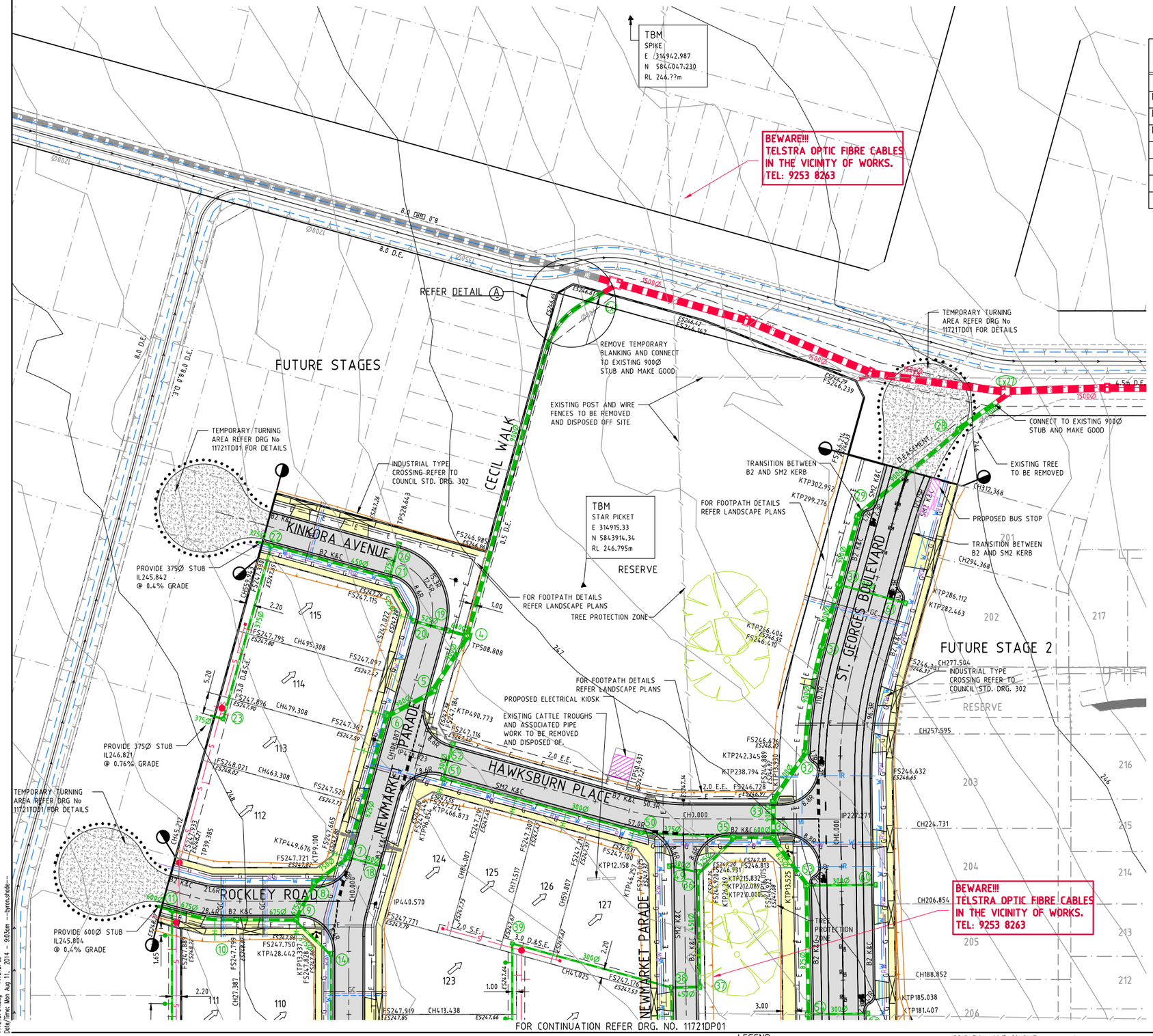


TABLE OF SERVICES LOCATIONS

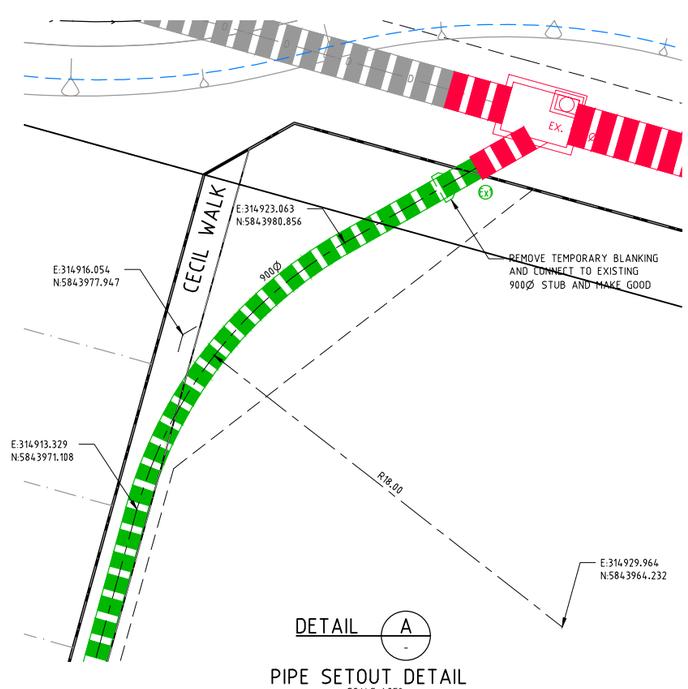
STREET NAME	GAS		WATER (DW)		WATER (NDW)		FTTH		ELECTRICITY	
	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET
ST. GEORGES BLVD	E	2.25	E	3.20	E	2.70	W	3.35	W	4.00
NEWMARKET PARADE LOTS 127-135	W	1.65	W	2.65	W	2.15	W	3.15	W	3.70
NEWMARKET PARADE LOTS 135-138	S	**2.30	S	**3.30	S	**2.80	N	2.10	N	2.60
NEWMARKET PARADE LOTS 101-115	W	2.05	W	3.05	W	2.55	E	2.00	E	2.60
KINKORA AVENUE	S	2.05	S	3.05	S	2.55	N	2.10	N	2.60
HAWKSBURN PLACE	S	1.65	S	2.65	S	2.15	S	3.15	E	*1.55
ROCKLEY ROAD	N	2.05	N	3.05	N	2.55	S	1.85	S	2.35
YARRADALE BEND	S	2.05	S	3.05	S	2.55	N	2.10	N	2.60

NOTE: * = DIMENSIONED FROM BACK OF KERB
NOTE: ** = DIMENSIONED FROM DBR BOUNDARY

WARNING!
THE LOCATION OF EXISTING SERVICES SHOWN ON THESE PLANS MUST BE PROVEN ON SITE, THE APPROPRIATE AUTHORITY MUST BE CONTACTED AND THE SERVICES LOCATED PRIOR TO COMMENCEMENT OF ANY WORKS.

WARNING
NO DRAINAGE WORKS SHALL COMMENCE UNTIL THE CONTRACTOR CONFIRMS THE I.L. OF ALL EXISTING DRAINS, AND CONFIRMS IN WRITING WITH THE ENGINEERING SUPERVISOR.

DIAL BEFORE YOU DIG www.1100.com.au



DETAIL A
PIPE SETOUT DETAIL
SCALE 1:250

Drawing File: G:\Designdata\11700\11721-MERRIFIELD - Precinct 1 - Stage 1\Acad\RD\11721DP01.dwg - 11721DP02
Date/Time: Mon Aug 11, 2014 - 9:03am --byron.shade--

REV	AMENDMENTS	DATE	APP'D.
4	AS CONSTRUCTED	05/06/14	TL
3	CONSTRUCTION ISSUE TO CONTRACTOR	27/11/13	TL
2	RES. FPATH TRANSFERED TO LANDSCAPE CONTRACT	25/11/13	TL
1	ISSUED TO COUNCIL FOR FINAL APPROVAL	02/10/13	TL
0	CONSTRUCTION ISSUE	26/08/13	TL
C	ISSUED FOR TENDER	16/07/13	TL
B	ISSUED TO COUNCIL FOR APPROVAL	27/06/13	TL
A	ISSUED TO COUNCIL	28/03/13	TL

Drawn HT Date 10/10/12
Designed BG
Date 10/10/12
AN 161063
Verified RFM
Date 15/07/13
AN 701521
Audited RCM
Date 22/0813
AN 641498
Approved TL
Date 26/08/13
AN 881843
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site,
Discrepancies to be brought to the attention of the Superintendent.

LEGEND

- EXISTING WATER MAIN
- EXISTING GAS MAIN
- EXISTING ELECTRICAL CABLE
- EXISTING SEWER MAIN & MANHOLE
- EXISTING TELECOMM. CABLE AND PIT
- EXISTING ELEC. POLE & O'HEAD LINES
- EXISTING STORMWATER DRAIN & PIT
- CONSTRUCTED PRE DEVELOPMENT
- EXISTING TREES TO BE REMOVED
- ES20.06 EXISTING SURFACE LEVEL
- FS21.650 FINISHED SURFACE LEVEL
- OPEN EARTH DRAIN (O.E.D.)
- SEWER MAIN AND MANHOLE
- STORMWATER DRAIN & PIT
- SW DRAIN & PIT CONSTRUCTED IN PREVIOUS STAGES
- MAIN DRAIN
- PROPERTY INLETS
- HOUSE DRAIN
- GAS CONDUIT
- WATER CONDUIT
- RECYCLED WATER CONDUIT
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK
- IRRIGATION 100Ø CONDUIT
- OPTIC FIBRE
- WATER
- RECYCLED WATER
- TELECOMMUNICATIONS
- ELECTRICITY
- GAS
- STREET NAME SIGN
- LOT GRADE DIRECTION
- ASPHALT PAVEMENT
- CONC FOOTPATH / DRIVEWAY
- LANDSCAPING
- LIMIT OF WORKS

Coords: MGA
Levels: AHD
Hor 1:500 0m 5m 10m 20m 30m
Scale @ A1/A3

merrifield MAB GDC

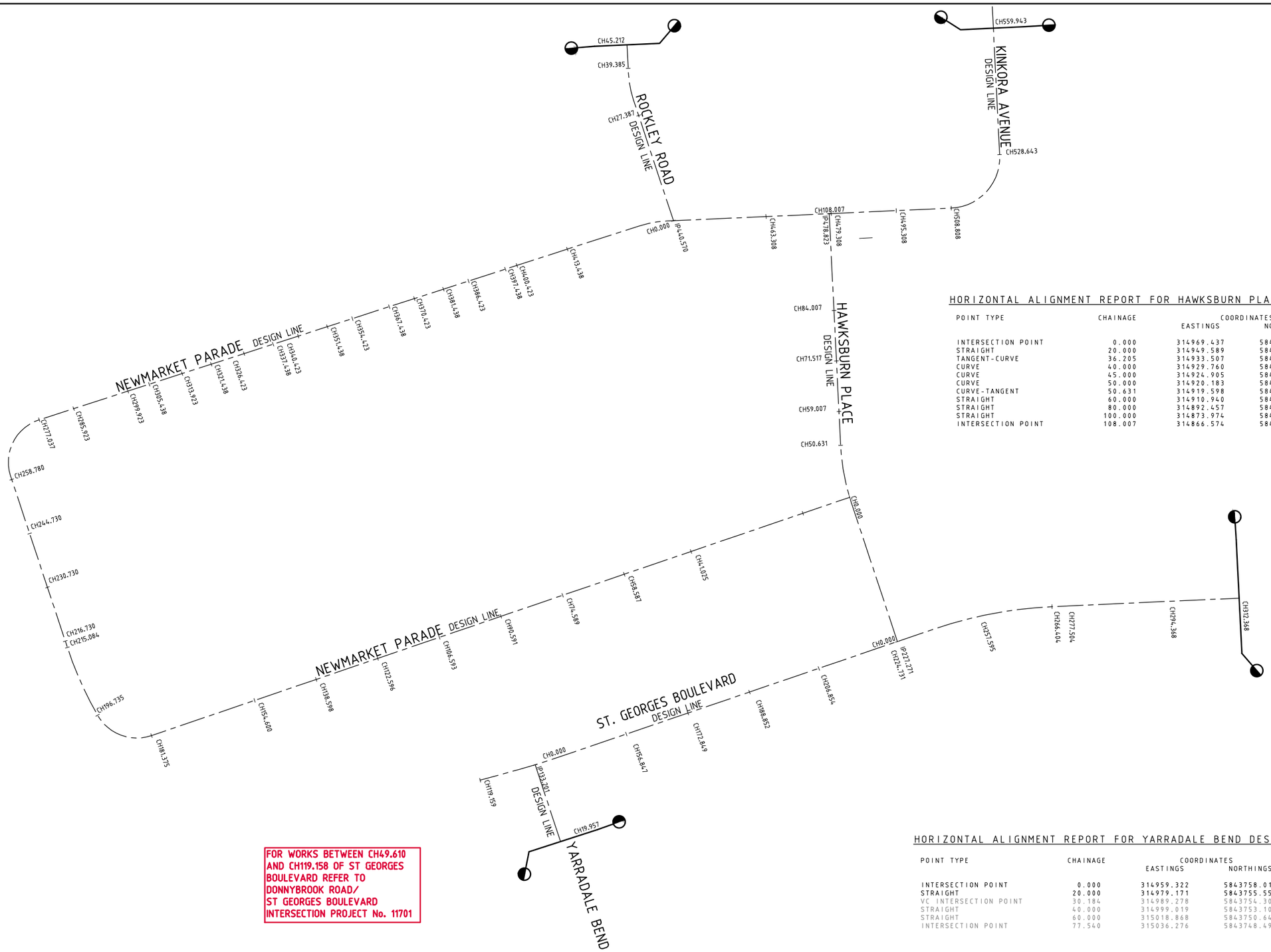
MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 1
DETAIL PLAN
SHEET 2 OF 2

Drawing No. 11721DP02 Rev 4

Sheet No. 05 AS CONSTRUCTED

© Dalton Consulting Engineers Pty Ltd
ABN 78 429 221 049

DCE
dalton consulting engineers
255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6666
F 61 3 9888 6880
W www.dceprofile.com
Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4064
Australia
T 61 7 3367 1732
E info@dceprofile.com



HORIZONTAL ALIGNMENT REPORT FOR HAWKSBURN PLACE DESIGN LINE

POINT TYPE	CHAINAGE	COORDINATES EASTINGS	NORTHINGS	RL	BEARING DEG MIN SEC	RADIUS
INTERSECTION POINT	0.000	314969.437	5843851.536	246.774	277°03'10.00"	
STRAIGHT	20.000	314949.589	5843853.991	246.726	277°03'10.00"	
TANGENT-CURVE	36.205	314933.507	5843855.981	246.888	277°03'10.00"	53.650
CURVE	40.000	314929.760	5843856.580	246.926	281°06'21.83"	53.650
CURVE	45.000	314924.905	5843857.770	246.976	286°26'45.01"	53.650
CURVE	50.000	314920.183	5843859.407	247.026	291°47'08.20"	53.650
CURVE-TANGENT	50.631	314919.598	5843859.645	247.032	292°27'34.26"	53.650
STRAIGHT	60.000	314910.940	5843863.224	247.126	292°27'34.26"	
STRAIGHT	80.000	314892.457	5843870.864	247.213	292°27'34.26"	
STRAIGHT	100.000	314873.974	5843878.505	247.115	292°27'34.26"	
INTERSECTION POINT	108.007	314866.574	5843881.564	247.193	292°27'34.26"	

HORIZONTAL ALIGNMENT REPORT FOR YARRADALE BEND DESIGN LINE

POINT TYPE	CHAINAGE	COORDINATES EASTINGS	NORTHINGS	RL	BEARING DEG MIN SEC	RADIUS
INTERSECTION POINT	0.000	314959.322	5843758.012	247.255	97°03'10.00"	
STRAIGHT	20.000	314979.171	5843755.556	246.982	97°03'10.00"	
VC INTERSECTION POINT	30.184	314989.278	5843754.306	246.888	97°03'10.00"	
STRAIGHT	40.000	314999.019	5843753.101	246.766	97°03'10.00"	
STRAIGHT	60.000	315018.868	5843750.645	246.517	97°03'10.00"	
INTERSECTION POINT	77.540	315036.276	5843748.491	246.298	97°03'10.00"	

FOR WORKS BETWEEN CH49.610 AND CH119.158 OF ST GEORGES BOULEVARD REFER TO DONNYBROOK ROAD/ ST GEORGES BOULEVARD INTERSECTION PROJECT No. 11701

REV	AMENDMENTS	DATE	APP'D.
4	AS CONSTRUCTED	05/06/14	TL
3	CONSTRUCTION ISSUE TO CONTRACTOR	27/11/13	TL
2	LIMIT OF WORKS NOTE ADDED	22/10/13	TL
1	ISSUED TO COUNCIL FOR FINAL APPROVAL	02/10/13	TL
0	CONSTRUCTION ISSUE	26/08/13	TL
C	ISSUED FOR TENDER	16/07/13	TL
B	ISSUED TO COUNCIL FOR APPROVAL	27/06/13	TL
A	ISSUED TO COUNCIL	28/03/13	TL

Drawn HT Date 10/10/12
Designed BG
Date 10/10/12
AN 161064
Verified RFM
Date 15/07/13
AN 701522
Audited RCM
Date 22/0813
AN 641499
Approved TL
Date 26/08/13
AN 881844
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.

Coords: MGA
Levels: AHD
Hor 1:500 0m 5m 10m 20m 30m
Scale @ A1/A3 1:500/1:1000

merrifield MAB GDC

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 1
SETOUT DETAILS
SHEET 1 OF 2
Drawing No. 11721SOP01 Rev 4
Sheet No. 06 AS CONSTRUCTED

© Dalton Consulting Engineers Pty Ltd
ABN 78 429 221 049

DCE dalton consulting engineers
255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6866
F 61 3 9888 6880
W www.dceprofile.com
Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4064
Australia
T 61 7 3367 1732
E info@dceprofile.com

Drawing File: G:\Designdata\11720\11721-MERRIFIELD - Precinct 1 - Stage 1\Acad\80\11721SOP01.dwg - 11721SOP01
Date/Time: Mon Aug 11, 2014 - 9:03am --byron.shode----

HORIZONTAL ALIGNMENT REPORT FOR ST. GEORGES BOULEVARD DESIGN LINE

POINT TYPE	CHAINAGE	COORDINATES EASTINGS	COORDINATES NORTHINGS	RL	BEARING DEG MIN SEC	RADIUS
INTERSECTION POINT	0.000	314942.947	5843625.868	249.145	6°06'33.32"	
STRAIGHT	20.000	314945.076	5843645.754	248.363	6°06'33.32"	
STRAIGHT	40.000	314947.204	5843665.641	247.677	6°06'33.32"	
STRAIGHT	60.000	314949.333	5843685.527	247.421	6°06'33.32"	
STRAIGHT	80.000	314951.461	5843705.413	247.321	6°06'33.32"	
TANGENT-CURVE	91.770	314952.714	5843717.117	247.336	6°06'33.32"	136.500
CURVE	100.000	314953.836	5843725.268	247.377	9°33'48.95"	136.500
CURVE-TANGENT	100.096	314953.852	5843725.363	247.378	9°36'14.40"	136.500
STRAIGHT	120.000	314957.172	5843744.988	247.321	9°36'14.40"	
INTERSECTION POINT	129.286	314958.722	5843754.144	247.274	9°36'14.40"	
TANGENT-CURVE	129.286	314958.722	5843754.144	247.274	9°36'14.40"	-143.500
CURVE	130.000	314958.839	5843754.848	247.271	9°19'07.89"	-143.500
CURVE-TANGENT	138.039	314959.918	5843762.813	247.230	6°06'33.32"	-143.500
STRAIGHT	140.000	314960.127	5843764.763	247.221	6°06'33.32"	
STRAIGHT	160.000	314962.255	5843784.650	247.277	6°06'33.32"	
STRAIGHT	180.000	314964.384	5843804.536	247.246	6°06'33.32"	
STRAIGHT	200.000	314966.512	5843824.423	247.046	6°06'33.32"	
STRAIGHT	220.000	314968.641	5843844.309	246.846	6°06'33.32"	
TANGENT-CURVE	236.868	314970.436	5843861.082	246.666	6°06'33.32"	103.500
CURVE	240.000	314970.816	5843864.190	246.631	7°50'34.17"	103.500
CURVE	246.667	314971.938	5843870.760	246.556	11°32'00.15"	103.500
CURVE	253.333	314973.480	5843877.245	246.482	15°13'26.13"	103.500
CURVE	260.000	314975.437	5843883.617	246.407	18°54'52.11"	103.500
CURVE-TANGENT	266.404	314977.699	5843889.607	246.335	22°27'34.26"	103.500
INTERSECTION POINT	266.404	314977.699	5843889.607	246.335	22°27'34.26"	
VC INTERSECTION POINT	274.041	314980.616	5843896.665	246.250	22°27'34.26"	
STRAIGHT	280.000	314982.893	5843902.172	246.220	22°27'34.26"	
STRAIGHT	300.000	314990.533	5843920.655	246.120	22°27'34.26"	
STRAIGHT	320.000	314998.174	5843939.138	246.020	22°27'34.26"	
STRAIGHT	340.000	315005.815	5843957.621	245.886	22°27'34.26"	
STRAIGHT	360.000	315013.455	5843976.104	245.708	22°27'34.26"	
STRAIGHT	380.000	315021.096	5843994.587	245.530	22°27'34.26"	
STRAIGHT	400.000	315028.736	5844013.070	245.352	22°27'34.26"	
STRAIGHT	420.000	315036.377	5844031.553	245.275	22°27'34.26"	
INTERSECTION POINT	433.430	315041.508	5844043.964	245.292	22°27'34.26"	

HORIZONTAL ALIGNMENT REPORT FOR ROCKLEY ROAD DESIGN LINE

POINT TYPE	CHAINAGE	COORDINATES EASTINGS	COORDINATES NORTHINGS	RL	BEARING DEG MIN SEC	RADIUS
INTERSECTION POINT	0.000	314851.960	5843846.212	247.666	277°03'10.00"	
STRAIGHT	20.000	314832.111	5843848.667	247.653	277°03'10.00"	
TANGENT-CURVE	31.480	314820.718	5843850.077	247.739	277°03'10.00"	25.000
CURVE	32.000	314820.203	5843850.146	247.743	278°14'38.04"	25.000
CURVE	36.000	314816.307	5843851.033	247.773	287°24'40.41"	25.000
CURVE-TANGENT	38.203	314814.237	5843851.784	247.789	292°27'34.26"	25.000
STRAIGHT	40.000	314812.576	5843852.471	247.803	292°27'34.26"	
STRAIGHT	60.000	314794.093	5843860.111	247.952	292°27'34.26"	
STRAIGHT	80.000	314775.610	5843867.752	248.102	292°27'34.26"	
INTERSECTION POINT	89.783	314766.569	5843871.489	248.175	292°27'34.26"	
TANGENT-CURVE	89.783	314766.569	5843871.489	248.175	292°27'34.26"	-25.000
CURVE	92.000	314764.485	5843872.246	248.192	287°22'39.74"	-25.000
CURVE	96.000	314760.589	5843873.129	248.222	278°12'37.37"	-25.000
CURVE-TANGENT	96.505	314760.088	5843873.196	248.225	277°03'10.00"	-25.000

HORIZONTAL ALIGNMENT REPORT FOR NEWMARKET PARADE / KINKORA AVENUE DESIGN LINE

POINT TYPE	CHAINAGE	COORDINATES EASTINGS	COORDINATES NORTHINGS	RL	BEARING DEG MIN SEC	RADIUS
INTERSECTION POINT	0.000	314932.176	5843856.171	246.876	186°06'33.32"	
STRAIGHT	20.000	314930.047	5843836.284	246.907	186°06'33.32"	
STRAIGHT	40.000	314927.919	5843816.398	247.013	186°06'33.32"	
STRAIGHT	60.000	314925.790	5843796.511	247.113	186°06'33.32"	
STRAIGHT	80.000	314923.662	5843776.625	247.213	186°06'33.32"	
STRAIGHT	100.000	314921.533	5843756.739	247.313	186°06'33.32"	
STRAIGHT	120.000	314919.405	5843736.852	247.413	186°06'33.32"	
STRAIGHT	140.000	314917.276	5843716.966	247.513	186°06'33.32"	
STRAIGHT	160.000	314915.148	5843697.079	247.642	186°06'33.32"	
STRAIGHT	180.000	314913.019	5843677.193	248.065	186°06'33.32"	
TANGENT-CURVE	181.375	314912.873	5843675.826	248.107	186°06'33.32"	11.050
CURVE	182.857	314912.617	5843674.367	248.154	193°47'41.04"	11.050
CURVE	185.714	314911.587	5843671.711	248.239	208°36'33.89"	11.050
CURVE	188.571	314909.911	5843669.406	248.317	223°25'26.74"	11.050
CURVE	191.429	314907.702	5843667.607	248.389	238°14'19.59"	11.050
CURVE	194.286	314905.107	5843666.432	248.454	253°03'12.44"	11.050
CURVE-TANGENT	196.735	314902.704	5843665.982	248.505	265°45'17.85"	11.05
TANGENT-CURVE	196.735	314902.704	5843665.982	248.505	265°45'17.85"	92.950
CURVE	200.000	314899.445	5843665.798	248.565	267°46'02.50"	92.950
CURVE	206.667	314892.779	5843665.777	248.662	271°52'36.46"	92.950
CURVE	213.333	314886.130	5843666.234	248.724	275°59'10.42"	92.950
CURVE-TANGENT	215.066	314884.408	5843666.431	248.738	277°03'15.33"	92.950
STRAIGHT	220.000	314879.512	5843667.037	248.776	277°03'15.33"	
STRAIGHT	240.000	314859.663	5843669.493	248.931	277°03'15.33"	
TANGENT-CURVE	259.680	314840.132	5843671.910	249.020	277°03'15.33"	11.050
CURVE	260.000	314839.815	5843671.954	249.019	278°42'41.13"	11.050
CURVE	262.857	314837.078	5843672.745	249.003	293°31'33.98"	11.050
CURVE	265.714	314834.634	5843674.209	248.978	308°20'26.83"	11.050
CURVE	268.571	314832.646	5843676.250	248.945	323°09'19.68"	11.050
CURVE	271.429	314831.246	5843678.731	248.903	337°58'12.54"	11.050
CURVE	274.286	314830.526	5843681.488	248.852	352°47'05.39"	11.050
INTERSECTION POINT	277.037	314830.522	5843684.233	248.796	7°03'10.00"	
STRAIGHT	280.000	314830.886	5843687.173	248.727	7°03'10.00"	
STRAIGHT	300.000	314833.342	5843707.022	248.388	7°03'10.00"	
STRAIGHT	320.000	314835.797	5843726.870	248.264	7°03'10.00"	
STRAIGHT	340.000	314838.253	5843746.719	248.164	7°03'10.00"	
STRAIGHT	360.000	314840.709	5843766.568	248.064	7°03'10.00"	
STRAIGHT	380.000	314843.164	5843786.416	247.964	7°03'10.00"	
STRAIGHT	400.000	314845.620	5843806.265	247.864	7°03'10.00"	
STRAIGHT	420.000	314848.076	5843826.114	247.764	7°03'10.00"	
TANGENT-CURVE	432.007	314849.550	5843838.030	247.704	7°03'10.00"	25.000
CURVE	436.000	314850.354	5843841.937	247.679	16°12'13.94"	25.000
CURVE-TANGENT	438.730	314851.257	5843844.511	247.652	22°27'34.26"	25.000
STRAIGHT	440.000	314851.743	5843845.685	247.639	22°27'34.26"	
STRAIGHT	460.000	314859.383	5843864.168	247.433	22°27'34.26"	
STRAIGHT	480.000	314867.024	5843882.651	247.177	22°27'34.26"	
STRAIGHT	500.000	314874.664	5843901.134	246.930	22°27'34.26"	
TANGENT-CURVE	508.808	314878.029	5843909.274	246.897	22°27'34.26"	-12.500
CURVE	511.429	314878.770	5843911.783	246.900	10°26'49.17"	-12.500
CURVE	514.286	314878.964	5843914.627	246.910	357°21'02.93"	-12.500
CURVE	517.143	314878.508	5843917.441	246.927	344°15'16.68"	-12.500
CURVE	520.000	314877.427	5843920.079	246.950	331°09'30.44"	-12.500
CURVE	522.857	314875.776	5843922.403	246.974	318°03'44.20"	-12.500
CURVE	525.714	314873.641	5843924.293	246.999	304°57'57.96"	-12.500
CURVE-TANGENT	528.443	314871.253	5843925.601	247.022	292°27'34.26"	-12.500
STRAIGHT	540.000	314860.572	5843930.016	247.120	292°27'34.26"	
STRAIGHT	560.000	314842.089	5843937.657	247.290	292°27'34.26"	
STRAIGHT	580.000	314823.606	5843945.298	247.459	292°27'34.26"	
STRAIGHT	600.000	314805.123	5843952.938	247.579	292°27'34.26"	
STRAIGHT	620.000	314786.640	5843960.579	247.679	292°27'34.26"	
STRAIGHT	640.000	314768.157	5843968.220	247.780	292°27'34.26"	
STRAIGHT	660.000	314749.674	5843975.860	247.880	292°27'34.26"	
STRAIGHT	680.000	314731.191	5843983.501	247.980	292°27'34.26"	
INTERSECTION POINT	695.443	314716.920	5843989.400	248.057	292°27'34.26"	

Drawing File: G:\Designdata\11700\11721-MERRIFIELD - Precinct 1 - Stage 1\Acad\80\
11721SOP01.dwg - 11721SOP02
Date/Time: Mon Aug 11, 2014 - 9:03am ---byron.shade---

REV	AMENDMENTS	DATE	APP'D.
3	AS CONSTRUCTED	05/06/14	TL
2	CONSTRUCTION ISSUE TO CONTRACTOR	27/11/13	TL
1	ISSUED TO COUNCIL FOR FINAL APPROVAL	02/10/13	TL
0	CONSTRUCTION ISSUE	26/08/13	TL
C	ISSUED FOR TENDER	16/07/13	TL
B	ISSUED TO COUNCIL FOR APPROVAL	27/06/13	TL
A	ISSUED TO COUNCIL	28/03/13	TL

Drawn HT Date 10/10/12
Designed BG
Date 10/10/12
AN 161065
Verified RFM
Date 15/07/13
AN 701523
Audited RCM
Date 22/0813
AN 641500
Approved TL
Date 26/08/13
AN 881845
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.

merrifield
MAB GDC

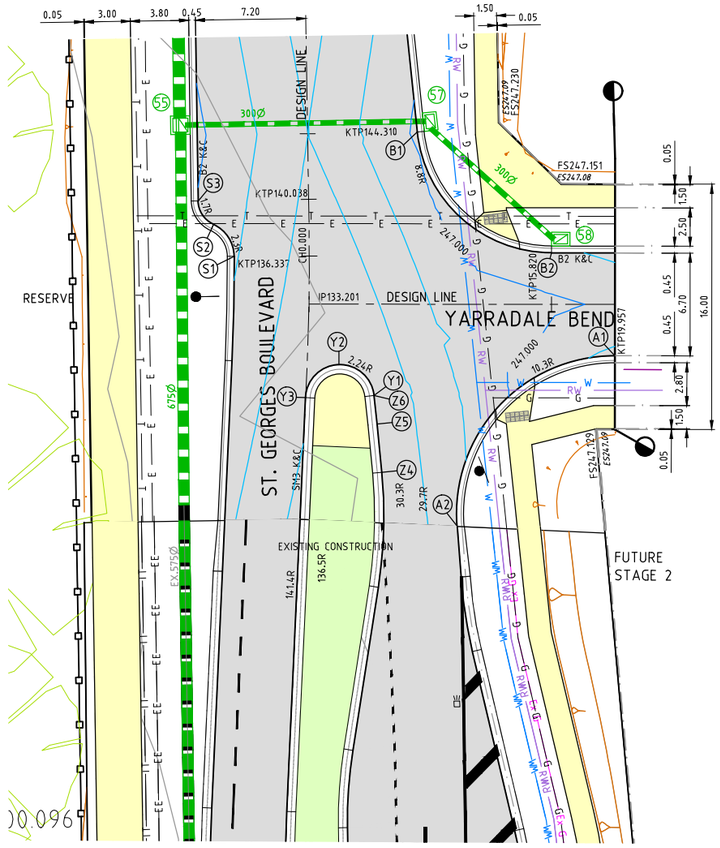
Coords: MGA
Levels: AHD

Scale @ A1/A3

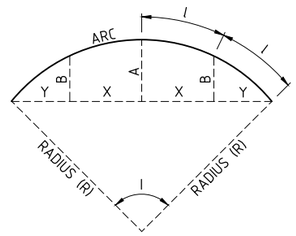
MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 1
SETOUT DETAILS
SHEET 2 OF 2
Drawing No. 11721SOP02 Rev 3
Sheet No. 07 AS CONSTRUCTED

© Dalton Consulting Engineers Pty Ltd
ABN 78 429 221 049

DCE
dalton consulting engineers
255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6866
F 61 3 9888 6880
W www.dceprofile.com
Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4064
Australia
T 61 7 3367 1732
E info@dceprofile.com



PLAN



LIP SETOUT DETAIL

N.T.S

REFER TO DRG. No.11721LM01
FOR LINEMARKING DETAILS

WARNING!
THE LOCATION OF EXISTING SERVICES SHOWN ON THESE PLANS MUST BE PROVEN ON SITE, THE APPROPRIATE AUTHORITY MUST BE CONTACTED AND THE SERVICES LOCATED PRIOR TO COMMENCEMENT OF ANY WORKS.

ALIGNMENT A

POINT NO	EASTING	NORTHING	RL
A1	314978.714	5843752.237	246.882
A2	314967.159	5843742.446	247.143

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
A1 - A2	94.657	10.300	17.016	3.319	2.453	4.134	3.439	4.254	247.021

ALIGNMENT B

POINT NO	EASTING	NORTHING	RL
B1	314967.710	5843768.287	246.984
B2	314975.428	5843759.395	246.920

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
B1 - B2	83.979	8.800	12.898	2.259	1.675	3.153	2.734	3.225	246.952

ALIGNMENT S

POINT NO	EASTING	NORTHING	RL
S1	314954.861	5843761.701	247.092
S2	314953.776	5843763.936	247.037
S3	314952.972	5843765.568	247.004

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
S1 - S2	65.378	2.300	2.624	0.364	0.271	0.647	0.595	0.656	247.075
S2 - S3	64.698	1.700	1.920	0.264	0.197	0.474	0.436	0.480	247.015

ALIGNMENT Y

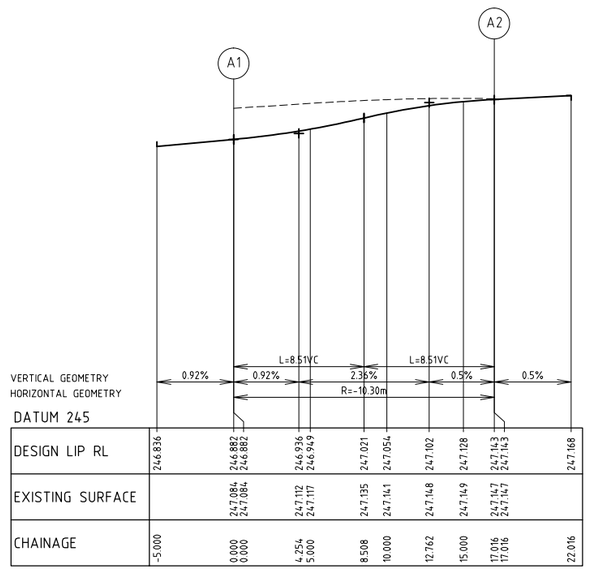
POINT NO	EASTING	NORTHING	RL
Y1	314962.808	5843751.578	247.283
Y2	314960.775	5843753.850	247.267
Y3	314958.358	5843751.992	247.276

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
Y1 - Y2	85.714	2.241	3.353	0.598	0.443	0.819	0.706	0.838	247.275
Y2 - Y3	85.714	2.241	3.353	0.598	0.443	0.819	0.706	0.838	247.268

ALIGNMENT Z

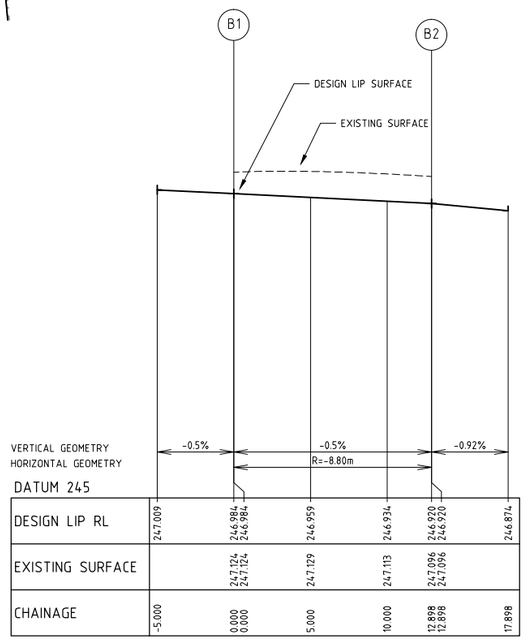
POINT NO	EASTING	NORTHING	RL
Z1	314957.657	5843723.832	247.379
Z2	314958.619	5843728.791	247.401
Z3	314961.559	5843739.135	247.313
Z4	314962.701	5843746.550	247.279
Z5	314962.774	5843749.704	247.277
Z6	314962.808	5843751.578	247.283

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
Z1 - Z2	9.756	29.700	5.057	0.108	0.081	1.264	1.262	1.264	247.393
Z3 - Z4	14.224	30.300	7.522	0.233	0.175	1.879	1.872	1.881	247.289
Z4 - Z5	0.609	296.800	3.155	0.004	0.003	0.789	0.789	0.789	247.277

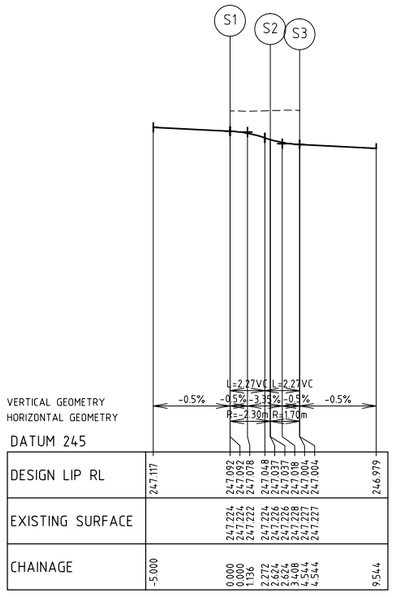


LIP PROFILE A

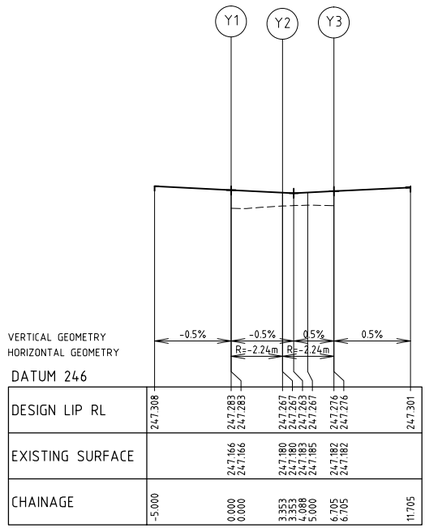
SCALES HORZ. 1:200, VERT. 1:20



LIP PROFILE B



LIP PROFILE S



LIP PROFILE Y

REV	AMENDMENTS	DATE	APP'D.
3	AS CONSTRUCTED	05/06/14	TL
2	CONSTRUCTION ISSUE TO CONTRACTOR	27/11/13	TL
1	ISSUED TO COUNCIL FOR FINAL APPROVAL	02/10/13	TL
0	CONSTRUCTION ISSUE	26/08/13	TL
C	ISSUED FOR TENDER	16/07/13	TL
B	ISSUED TO COUNCIL FOR APPROVAL	27/06/13	TL
A	ISSUED TO COUNCIL	28/03/13	TL

Drawn HT Date 10/10/12
Designed BG
Date 10/10/12
AN 161066
Verified RFM
Date 15/07/13
AN 701524
Audited RCM
Date 22/0813
AN 641501
Approved TL
Date 26/08/13
AN 881846
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.

LEGEND

- EXISTING WATER MAIN
- EXISTING GAS MAIN
- EXISTING ELECTRICAL CABLE
- EXISTING SEWER MAIN & MANHOLE
- EXISTING TELECOMM. CABLE AND PIT
- EXISTING ELEC. POLE & O'HEAD LINES
- EXISTING STORMWATER DRAIN & PIT
- CONSTRUCTED PRE DEVELOPMENT
- EXISTING TREES TO BE REMOVED
- EXISTING SURFACE LEVEL (E520.06)
- FINISHED SURFACE LEVEL (FS21.650)
- OPEN EARTH DRAIN (O.E.D.)
- SEWER MAIN AND MANHOLE
- STORMWATER DRAIN & PIT
- SW DRAIN & PIT CONSTRUCTED IN PREVIOUS STAGES
- MW MAIN DRAIN
- PROPERTY INLETS
- HOUSE DRAIN
- GAS CONDUIT
- WATER CONDUIT
- RECYCLED WATER CONDUIT
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK
- OPTIC FIBRE
- WATER
- RECYCLED WATER
- TELECOMMUNICATIONS
- ELECTRICITY
- GAS
- STREET NAME SIGN
- LIMIT OF WORKS
- ASPHALT PAVEMENT
- CONC FOOTPATH / DRIVEWAY
- LANDSCAPING
- FILLING OVER 200mm
- FINISHED SURFACE CONTOUR (155.0)

Coords: MGA
Levels: AHD

Hor 1:200 0m 2m 4m 8m 12m
Ver 1:20 0m 0.2m 0.4m 0.8m 1.2m
Scale @ A1/A3 1:200/1:400

merrifield MAB GDC

MERRIFIELD DEVELOPMENT

DONNYBROOK ROAD, MICKLEHAM
STAGE 1
INTERSECTION DETAILS
SHEET 1 OF 8
Drawing No. 11721ID01 Rev 3
Sheet No. 08 AS CONSTRUCTED

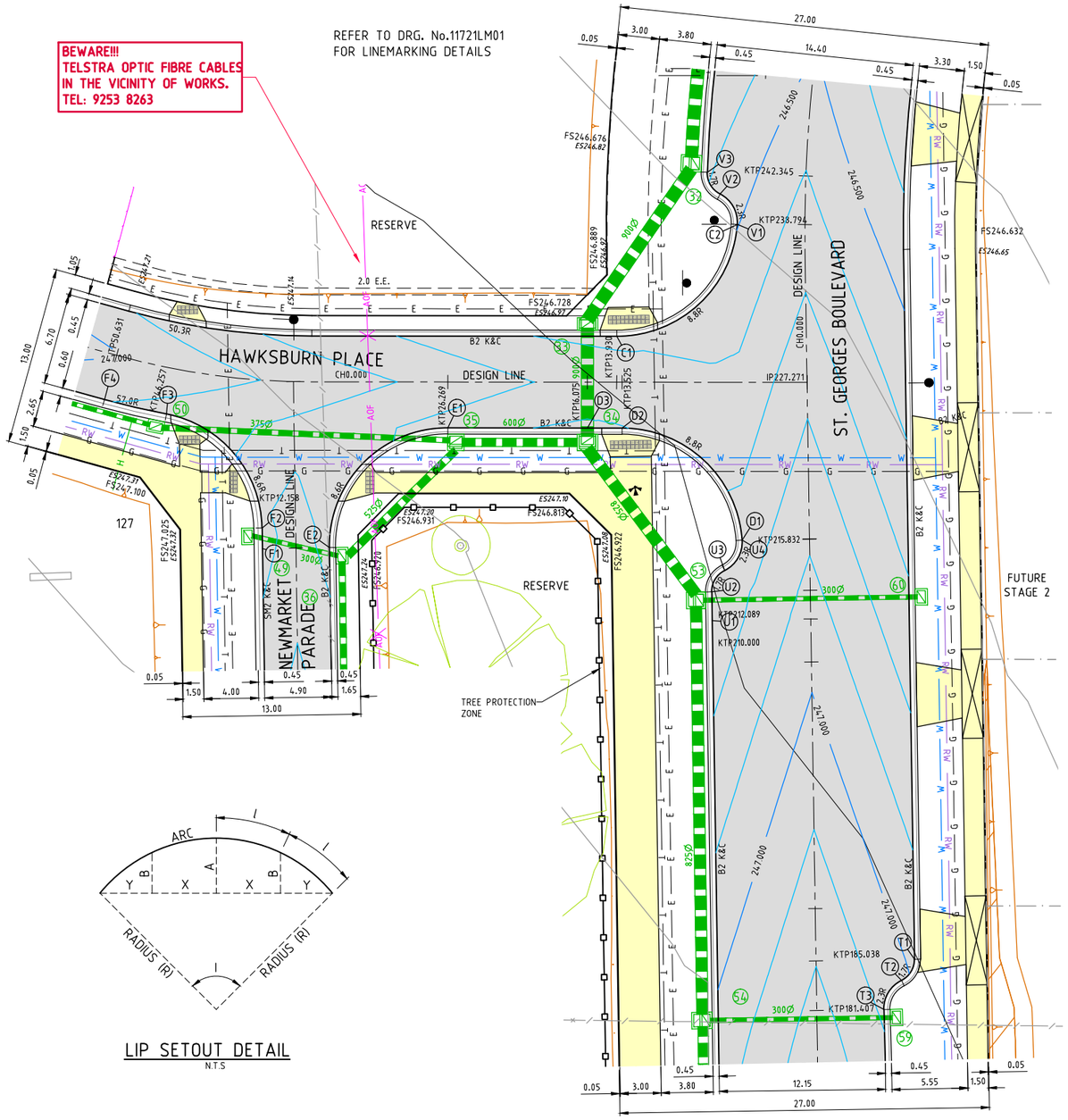
© Dalton Consulting Engineers Pty Ltd
ABN 78 429 221 049

DCE
dalton consulting engineers
255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6666
F 61 3 9888 6880
W www.dceprofile.com
Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4064
Australia
T 61 7 3367 1732
E info@dceprofile.com

Drawing File: G:\Designdata\11700\11721-MERRIFIELD - Precinct 1 - Stage 1\Acad\GD\11721ID01.dwg - 11721D01
Date/Time: Mon Aug 11, 2014 - 9:03am --byron.shode--

BEWARE!!!
TELSTRA OPTIC FIBRE CABLES
IN THE VICINITY OF WORKS.
TEL: 9253 8263

REFER TO DRG. No.11721LM01
FOR LINEMARKING DETAILS



PLAN

LIP SETOUT DETAIL
N.T.S

WARNING!
THE LOCATION OF EXISTING SERVICES SHOWN ON THESE PLANS MUST BE PROVEN ON SITE, THE APPROPRIATE AUTHORITY MUST BE CONTACTED AND THE SERVICES LOCATED PRIOR TO COMMENCEMENT OF ANY WORKS.

ALIGNMENT C

POINT NO	EASTING	NORTHING	RL
C1	314956.025	5843856.571	246.570
C2	314965.778	5843863.608	246.497

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
C1 - C2	86.218	8.800	13.242	2.376	1.760	3.233	2.781	3.311	246.537

ALIGNMENT D

POINT NO	EASTING	NORTHING	RL
D1	314963.311	5843840.688	246.740
D2	314955.604	5843849.872	246.596
D3	314953.072	5843850.185	246.580

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
D1 - D2	85.883	8.800	13.191	2.358	1.747	3.221	2.774	3.298	246.667

ALIGNMENT E

POINT NO	EASTING	NORTHING	RL
E1	314942.956	5843851.436	246.688
E2	314933.318	5843843.821	246.796

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
E1 - E2	91.148	8.600	13.681	2.580	1.909	3.331	2.811	3.420	246.745

ALIGNMENT F

POINT NO	EASTING	NORTHING	RL
F1	314928.446	5843844.342	246.796
F2	314928.607	5843845.845	246.788
F3	314922.683	5843854.950	246.885
F4	314918.318	5843856.549	246.932

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
F2 - F3	78.323	8.600	11.756	1.932	1.435	2.882	2.549	2.939	246.826
F3 - F4	4.674	57.000	4.649	0.047	0.036	1.162	1.162	1.162	246.908

ALIGNMENT T

POINT NO	EASTING	NORTHING	RL
T1	314972.079	5843808.780	246.980
T2	314970.945	5843807.354	247.021
T3	314969.410	5843805.414	247.085

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
T1 - T2	64.779	1.700	1.922	0.264	0.197	0.474	0.437	0.481	246.995
T2 - T3	65.092	2.300	2.613	0.361	0.269	0.644	0.593	0.653	247.062

ALIGNMENT U

POINT NO	EASTING	NORTHING	RL
U1	314960.417	5843835.132	246.730
U2	314960.640	5843837.209	246.720
U3	314961.771	5843838.633	246.729
U4	314963.311	5843840.688	246.740

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
U2 - U3	64.692	1.700	1.919	0.264	0.197	0.474	0.436	0.480	246.725
U3 - U4	67.865	2.300	2.724	0.392	0.292	0.671	0.613	0.681	246.736

ALIGNMENT V

POINT NO	EASTING	NORTHING	RL
V1	314965.778	5843863.608	246.497
V2	314964.793	5843865.967	246.430
V3	314964.054	5843867.654	246.389

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
V1 - V2	67.517	2.300	2.710	0.388	0.289	0.668	0.610	0.678	246.472
V2 - V3	65.579	1.700	1.946	0.271	0.202	0.480	0.441	0.486	246.405

Drawing File: G:\Designdata\11700\11721-MERRIFIELD - Precinct 1 - Stage 1\Acad\60\11721ID01.dwg - 11721ID02
Date/Time: Mon Aug 11, 2014 - 9:03am ---byron.shode---

REV	AMENDMENTS	DATE	APP'D.
3	AS CONSTRUCTED	05/06/14	TL
2	CONSTRUCTION ISSUE TO CONTRACTOR	27/11/13	TL
1	ISSUED TO COUNCIL FOR FINAL APPROVAL	02/10/13	TL
0	CONSTRUCTION ISSUE	26/08/13	TL
C	ISSUED FOR TENDER	16/07/13	TL
B	ISSUED TO COUNCIL FOR APPROVAL	27/06/13	TL
A	ISSUED TO COUNCIL	28/03/13	TL

Drawn HT Date 10/10/12
Designed BG
Date 10/10/12
AN 161067
Verified RFM
Date 15/07/13
AN 701525
Audited RCM
Date 22/08/13
AN 641502
Approved TL
Date 26/08/13
AN 881847

Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.

LEGEND

- EXISTING WATER MAIN
- EXISTING GAS MAIN
- EXISTING ELECTRICAL CABLE
- EXISTING SEWER MAIN & MANHOLE
- EXISTING TELECOMM. CABLE AND PIT
- EXISTING ELEC. POLE & O'HEAD LINES
- EXISTING STORMWATER DRAIN & PIT
- CONSTRUCTED PRE DEVELOPMENT
- EXISTING TREES TO BE REMOVED
- ES20.06 EXISTING SURFACE LEVEL
- FS21.650 FINISHED SURFACE LEVEL
- OPEN EARTH DRAIN (O.E.D.)
- SEWER MAIN AND MANHOLE
- STORMWATER DRAIN & PIT
- SW DRAIN & PIT CONSTRUCTED IN PREVIOUS STAGES
- MW MAIN DRAIN
- PROPERTY INLETS
- HOUSE DRAIN
- GAS CONDUIT
- WATER CONDUIT
- RECYCLED WATER CONDUIT
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK
- OPTIC FIBRE
- WATER
- RECYCLED WATER
- TELECOMMUNICATIONS
- ELECTRICITY
- GAS
- STREET NAME SIGN
- LIMIT OF WORKS
- ASPHALT PAVEMENT
- CONC FOOTPATH / DRIVEWAY
- LANDSCAPING
- 155.0 FILLING OVER 200mm
- FINISHED SURFACE CONTOUR

merrifield
MAB gpc

Coords: MGA
Levels: AHD

Hor 1:200 0m 2m 4m 8m 12m

Scale @ A1/A3 1:200/1:400

MERRIFIELD DEVELOPMENT

DONNYBROOK ROAD, MICKLEHAM
STAGE 1
INTERSECTION DETAILS
SHEET 2 OF 8

Drawing No. 11721ID02 Rev 3

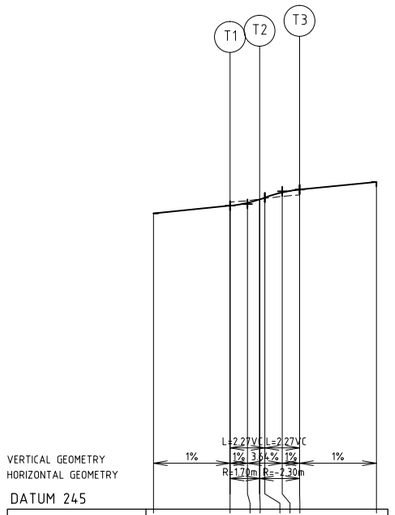
Sheet No. 09 AS CONSTRUCTED

© Dalton Consulting Engineers Pty Ltd
ABN 78 429 221 049

DCE
dalton consulting engineers

255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6866
F 61 3 9888 6880
W www.dceprofile.com

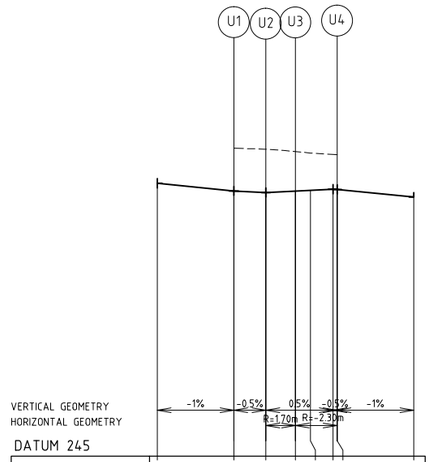
Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4064
Australia
T 61 7 3367 1732
E info@dceprofile.com



DESIGN LIP RL	246.930	246.980	246.999	247.021	247.033	247.066	247.085	247.135
EXISTING SURFACE		247.003	247.013	247.023	247.027	247.041	247.050	
CHAINAGE	-5.000	0.000	1.134	1.922	2.268	3.401	4.535	9.535

LIP PROFILE T

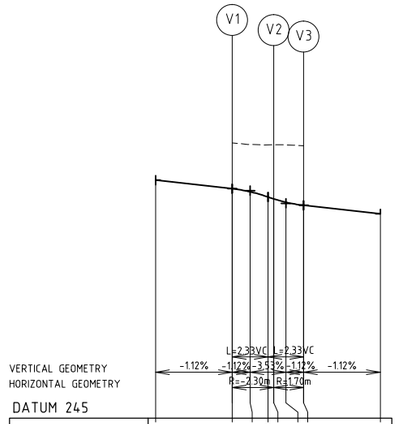
REFER TO DRG. NO. 11721ID02



DESIGN LIP RL	246.780	246.730	246.720	246.729	246.734	246.742	246.740	246.690
EXISTING SURFACE		247.009	247.003	246.987	246.977	246.968	246.967	
CHAINAGE	-5.000	0.000	2.089	4.008	5.000	6.465	6.732	11.732

LIP PROFILE U

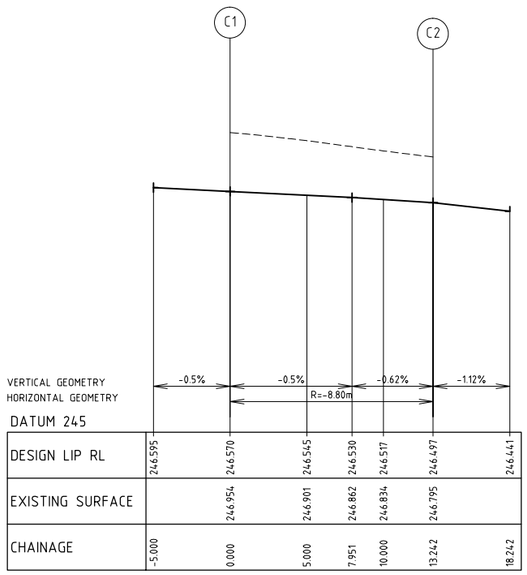
REFER TO DRG. NO. 11721ID02



DESIGN LIP RL	246.553	246.497	246.477	246.443	246.430	246.409	246.389	246.333
EXISTING SURFACE		246.795	246.785	246.783	246.783	246.784	246.776	
CHAINAGE	-5.000	0.000	1.164	2.328	2.710	3.492	4.656	9.656

LIP PROFILE V

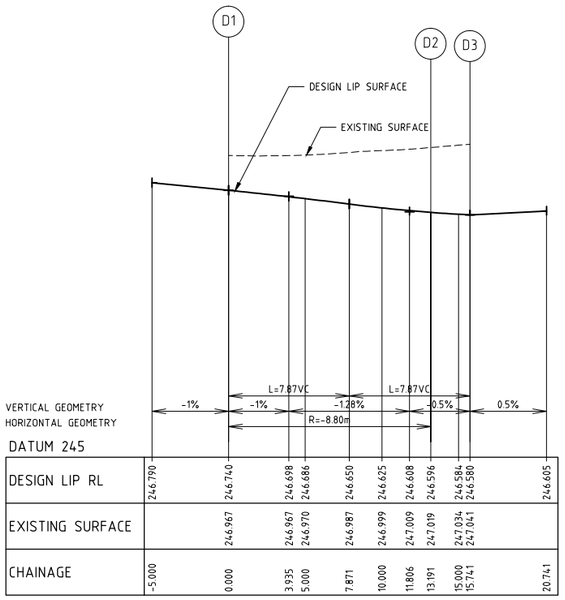
REFER TO DRG. NO. 11721ID02



DESIGN LIP RL	246.595	246.570	246.545	246.530	246.517	246.497	246.441
EXISTING SURFACE		246.954	246.901	246.862	246.834	246.795	
CHAINAGE	-5.000	0.000	5.000	7.951	10.000	13.242	18.242

LIP PROFILE C

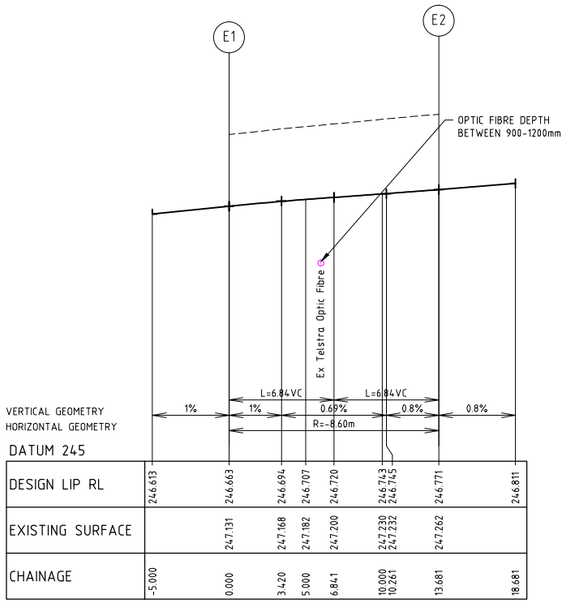
REFER TO DRG. NO. 11721ID02



DESIGN LIP RL	246.790	246.740	246.698	246.686	246.650	246.625	246.608	246.596	246.584	246.580	246.605
EXISTING SURFACE		246.967	246.967	246.970	246.987	246.999	247.009	247.019	247.034	247.041	
CHAINAGE	-5.000	0.000	3.935	5.000	7.871	10.000	11.806	13.191	15.000	15.741	20.741

LIP PROFILE D

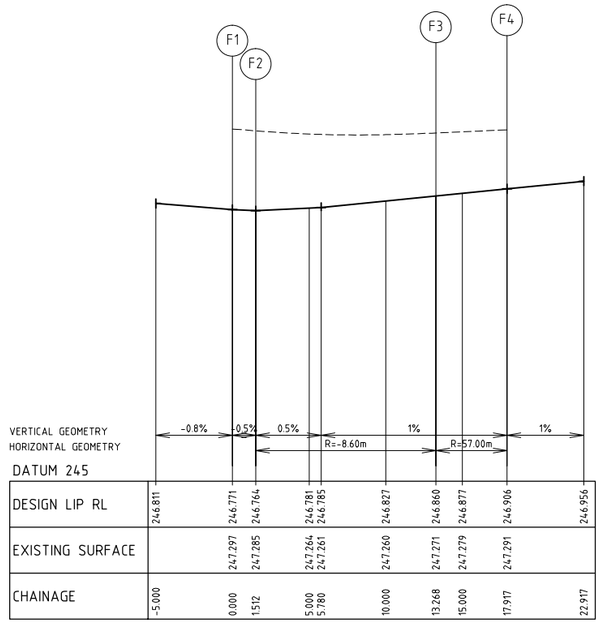
REFER TO DRG. NO. 11721ID02



DESIGN LIP RL	246.613	246.663	246.694	246.707	246.720	246.743	246.745	246.771	246.811
EXISTING SURFACE		247.131	247.168	247.182	247.200	247.230	247.232	247.262	
CHAINAGE	-5.000	0.000	3.420	5.000	6.841	10.000	10.261	13.681	18.681

LIP PROFILE E

REFER TO DRG. NO. 11721ID02



DESIGN LIP RL	246.811	246.771	246.764	246.781	246.785	246.827	246.860	246.877	246.906	246.956
EXISTING SURFACE		247.297	247.285	247.264	247.261	247.260	247.271	247.279	247.291	
CHAINAGE	-5.000	0.000	1.512	5.000	5.780	10.000	13.268	15.000	17.917	22.917

LIP PROFILE F

REFER TO DRG. NO. 11721ID02

Drawing File: G:\Designdata\11700\11721-MERRIFIELD - PreDevt 1 - Stage 1\Acad\R01\11721ID01.dwg - 11721ID03
Date/Time: Mon Aug 11, 2014 - 9:03am --byron.shade--

REV	AMENDMENTS	DATE	APP'D.
3	AS CONSTRUCTED	05/06/14	TL
2	CONSTRUCTION ISSUE TO CONTRACTOR	27/11/13	TL
1	ISSUED TO COUNCIL FOR FINAL APPROVAL	02/10/13	TL
0	CONSTRUCTION ISSUE	26/08/13	TL
C	ISSUED FOR TENDER	16/07/13	TL
B	ISSUED TO COUNCIL FOR APPROVAL	27/06/13	TL
A	ISSUED TO COUNCIL	28/03/13	TL

Drawn HT Date 10/10/12
Designed BG
Date 10/10/12
AN 161068
Verified RFM
Date 15/07/13
AN 701526
Audited RCM
Date 22/08/13
AN 641503
Approved TL
Date 26/08/13
AN 881848
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.

merrifield
MAB GDC

Coords: MGA
Levels: AHD

Hor 1:200 0m 2m 4m 8m 12m
Ver 1:20 0m 0.2m 0.4m 0.8m 1.2m
Scale @ A1/A3 1:200/1:400

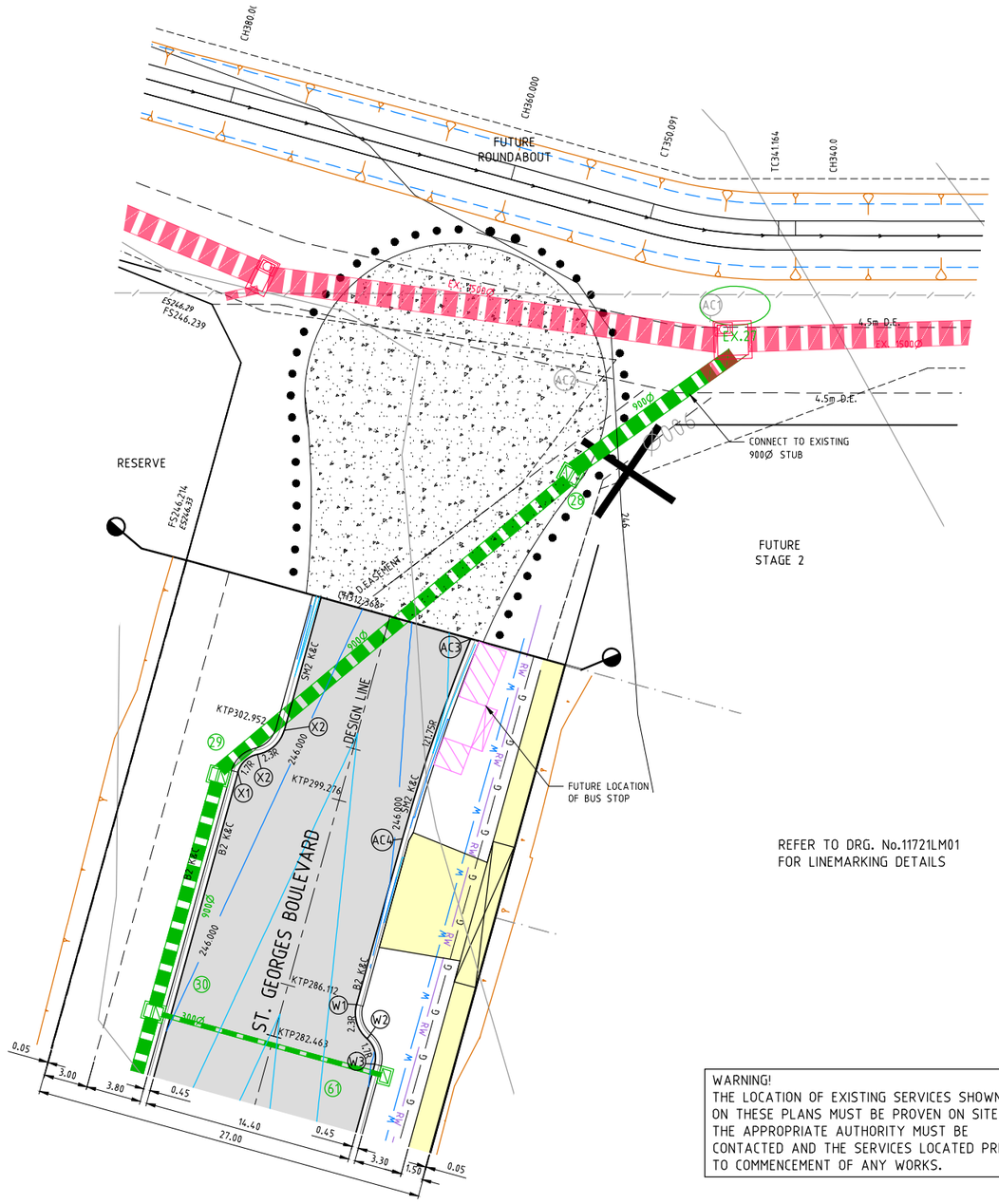
MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 1
INTERSECTION DETAILS
SHEET 3 OF 8
Drawing No. 11721ID03 Rev 3
Sheet No. 10 AS CONSTRUCTED

© Dalton Consulting Engineers Pty Ltd
ABN 78 429 221 049

DCE
dalton consulting engineers

255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6866
F 61 3 9888 6880
W www.dceprofile.com

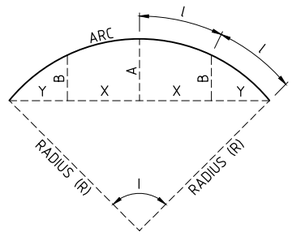
Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4064
Australia
T 61 7 3367 1732
E info@dceprofile.com



PLAN

REFER TO DRG. No.11721LM01
FOR LINEMARKING DETAILS

WARNING!
THE LOCATION OF EXISTING SERVICES SHOWN ON THESE PLANS MUST BE PROVEN ON SITE, THE APPROPRIATE AUTHORITY MUST BE CONTACTED AND THE SERVICES LOCATED PRIOR TO COMMENCEMENT OF ANY WORKS.



LIP SETOUT DETAIL
N.T.S

ALIGNMENT W

POINT NO	EASTING	NORTHING	RL
W1	314989.745	5843905.922	246.043
W2	314990.172	5843903.493	246.016
W3	314990.488	5843901.697	245.992

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
W1 - W2	64.849	2.300	2.603	0.359	0.267	0.642	0.591	0.651	246.039
W2 - W3	64.849	1.700	1.924	0.265	0.197	0.475	0.437	0.481	246.000

ALIGNMENT X

POINT NO	EASTING	NORTHING	RL
X1	314983.603	5843922.736	245.908
X2	314985.094	5843923.785	245.932
X3	314987.112	5843925.204	245.959

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
X1 - X2	64.849	1.700	1.924	0.265	0.197	0.475	0.437	0.481	245.916
X2 - X3	64.849	2.300	2.603	0.359	0.267	0.642	0.591	0.651	245.95

ALIGNMENT AC

POINT NO	EASTING	NORTHING	RL
AC1	315019.542	5843949.494	245.461
AC2	315011.415	5843946.016	245.537
AC3	315000.586	5843929.882	245.843
AC4	314994.252	5843916.824	245.984

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
AC1 - AC2	56.751	9.300	9.212	1.117	0.834	2.279	2.140	2.303	245.492
AC2 - AC3	9.154	121.749	19.452	0.388	0.291	4.862	4.854	4.863	245.676
AC3 - AC4	6.834	121.747	14.522	0.216	0.162	3.630	3.627	3.631	245.930

Drawing File: G:\Designdata\11700\11721-MERRIFIELD - Precinct 1 - Stage 1\Acad\R01\11721ID01.dwg - 11721ID04
Date/Time: Mon Aug 11, 2014 - 9:04am --byron.shode---

REV	AMENDMENTS	DATE	APP'D.
3	AS CONSTRUCTED	05/06/14	TL
2	CONSTRUCTION ISSUE TO CONTRACTOR	27/11/13	TL
1	ISSUED TO COUNCIL FOR FINAL APPROVAL	02/10/13	TL
0	CONSTRUCTION ISSUE	26/08/13	TL
C	ISSUED FOR TENDER	16/07/13	TL
B	ISSUED TO COUNCIL FOR APPROVAL	27/06/13	TL
A	ISSUED TO COUNCIL	28/03/13	TL

Drawn HT Date 10/10/12
Designed BG
Date 10/10/12
AN 161069
Verified RFM
Date 15/07/13
AN 701527
Audited RCM
Date 22/0813
AN 641504
Approved TL
Date 26/08/13
AN 881849
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.

LEGEND

- Ex W — EXISTING WATER MAIN
- Ex G — EXISTING GAS MAIN
- Ex E — EXISTING ELECTRICAL CABLE
- Ex S — EXISTING SEWER MAIN & MANHOLE
- Ex T — EXISTING TELECOMM. CABLE AND PIT
- V — V — EXISTING ELEC. POLE & O'HEAD LINES
- EXISTING STORMWATER DRAIN & PIT CONSTRUCTED PRE DEVELOPMENT
- EXISTING TREES TO BE REMOVED
- ES20.06 — EXISTING SURFACE LEVEL
- FS21.650 — FINISHED SURFACE LEVEL
- OPEN EARTH DRAIN (O.E.D.)
- S — SEWER MAIN AND MANHOLE
- STORMWATER DRAIN & PIT
- SW DRAIN & PIT CONSTRUCTED IN PREVIOUS STAGES
- MW MAIN DRAIN
- PROPERTY INLETS
- H — HOUSE DRAIN
- GC — GAS CONDUIT
- WATER CONDUIT
- RECYCLED WATER CONDUIT
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK
- OF — OPTIC FIBRE
- W — WATER
- RW — RECYCLED WATER
- T — TELECOMMUNICATIONS
- E — ELECTRICITY
- G — GAS
- STREET NAME SIGN
- LIMIT OF WORKS
- ASPHALT PAVEMENT
- CONC FOOTPATH / DRIVEWAY
- LANDSCAPING
- 155.0 — FILLING OVER 200mm
- FINISHED SURFACE CONTOUR

merrifield
MAB GPC

Coords: MGA
Levels: AHD

Hor 1:200 0m 2m 4m 8m 12m

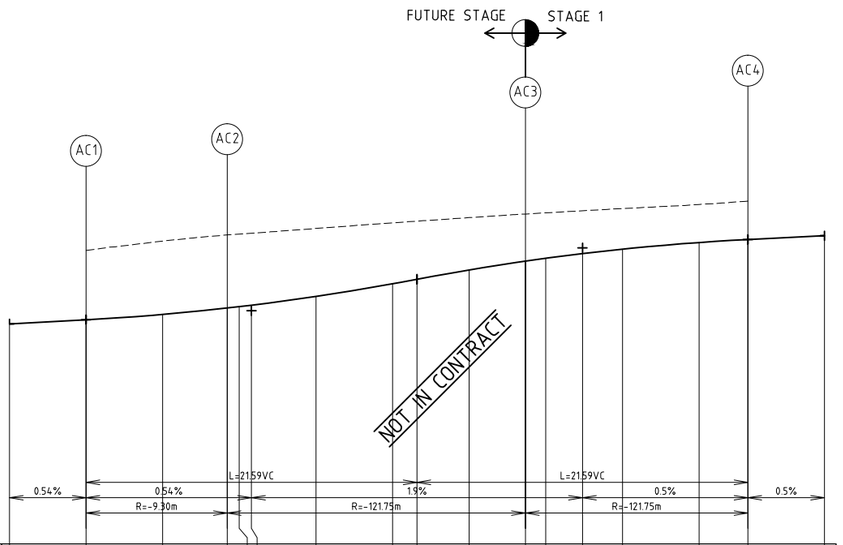
Scale @ A1/A3 1:200/1:400

MERRIFIELD DEVELOPMENT

DONNYBROOK ROAD, MICKLEHAM
STAGE 1
INTERSECTION DETAILS
SHEET 4 OF 8
Drawing No. 11721ID04 Rev 3
Sheet No. 11 AS CONSTRUCTED

© Dalton Consulting Engineers Pty Ltd
ABN 78 429 221 049

DCE
dalton consulting engineers
255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6866
F 61 3 9888 6880
W www.dceprofile.com
Suite 17
46 Douglas Street
PO Box 1176
Milton QLD 4064
Australia
T 61 7 3367 1732
E info@dceprofile.com

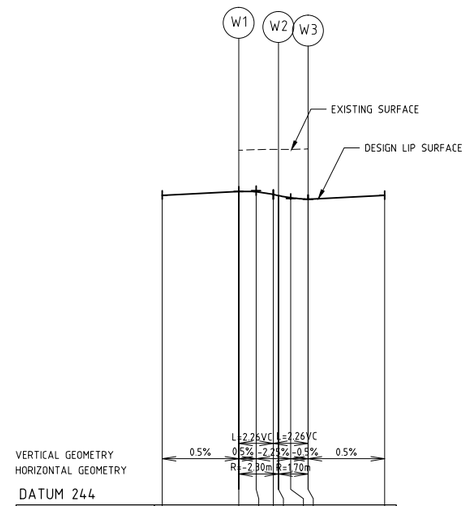


DATUM 244

DESIGN LIP RL	245.434	245.461	245.496	245.537	245.547 245.556	245.613	245.695	245.725	245.786	245.843	245.862	245.892	245.921	245.965	245.984	246.009		
EXISTING SURFACE		245.913	245.974	246.014	246.019 246.025	246.056	246.093	246.104	246.127	246.150	246.158	246.172	246.186	246.213	246.235			
CHAINAGE	-5.000	0.000	5.000	9.212	10.000 10.796	15.000	20.000	21.593	25.000	28.663	30.000	32.389	35.000	40.000	43.186	48.186		

LIP PROFILE AC

REFER TO DRG.NO. 11721ID04

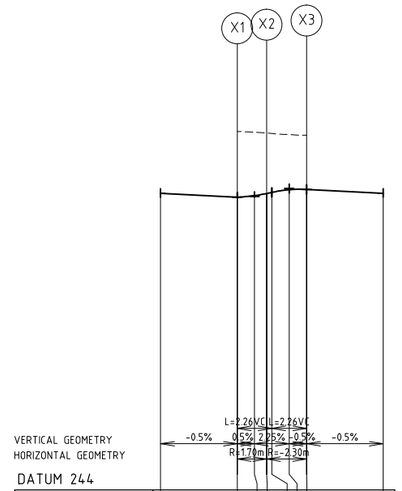


DATUM 244

DESIGN LIP RL	246.018	246.043	246.041	246.023	246.015	246.003	245.992	246.017	
EXISTING SURFACE		246.312	246.316	246.319	246.317	246.312	246.321		
CHAINAGE	-5.000	0.000	1.132	2.264	2.603	3.396	4.527	9.527	

LIP PROFILE W

REFER TO DRG.NO. 11721ID04



DATUM 244

DESIGN LIP RL	245.933	245.908	245.918	245.932	245.939	245.957	245.959	245.934	
EXISTING SURFACE		246.333	246.332	246.326	246.323	246.316	246.312		
CHAINAGE	-5.000	0.000	1.132	1.924	2.264	3.396	4.527	9.527	

LIP PROFILE X

REFER TO DRG.NO. 11721ID04

Drawing File: G:\Designdata\11720\11721-MERRIFIELD - Precinct 1 - Stage 1\Acad\R01\11721ID01.dwg - 11721ID05
Date/Time: Mon Aug 11, 2014 - 9:04am ---byron.shode---

REV	AMENDMENTS	DATE	APP'D.
3	AS CONSTRUCTED	05/06/14	TL
2	CONSTRUCTION ISSUE TO CONTRACTOR	27/11/13	TL
1	ISSUED TO COUNCIL FOR FINAL APPROVAL	02/10/13	TL
0	CONSTRUCTION ISSUE	26/08/13	TL
C	ISSUED FOR TENDER	16/07/13	TL
B	ISSUED TO COUNCIL FOR APPROVAL	27/06/13	TL
A	ISSUED TO COUNCIL	28/03/13	TL

Drawn HT Date 10/10/12
Designed BG
Date 10/10/12
AN 161070
Verified RFM
Date 15/07/13
AN 701528
Audited RCM
Date 22/0813
AN 641505
Approved TL
Date 26/08/13
AN 881850
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.

merrifield
MAB GDC

Coords: MGA
Levels: AHD

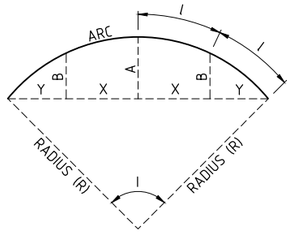
Hor 1:200 0m 2m 4m 8m 12m
Ver 1:20 0m 0.2m 0.4m 0.8m 1.2m
Scale @ A1/A3 1:200/1:400

MERRIFIELD DEVELOPMENT

DONNYBROOK ROAD, MICKLEHAM
STAGE 1
INTERSECTION DETAILS
SHEET 5 OF 8
Drawing No. 11721ID05 Rev 3
Sheet No. 12 AS CONSTRUCTED

© Dalton Consulting Engineers Pty Ltd
ABN 78 429 221 049

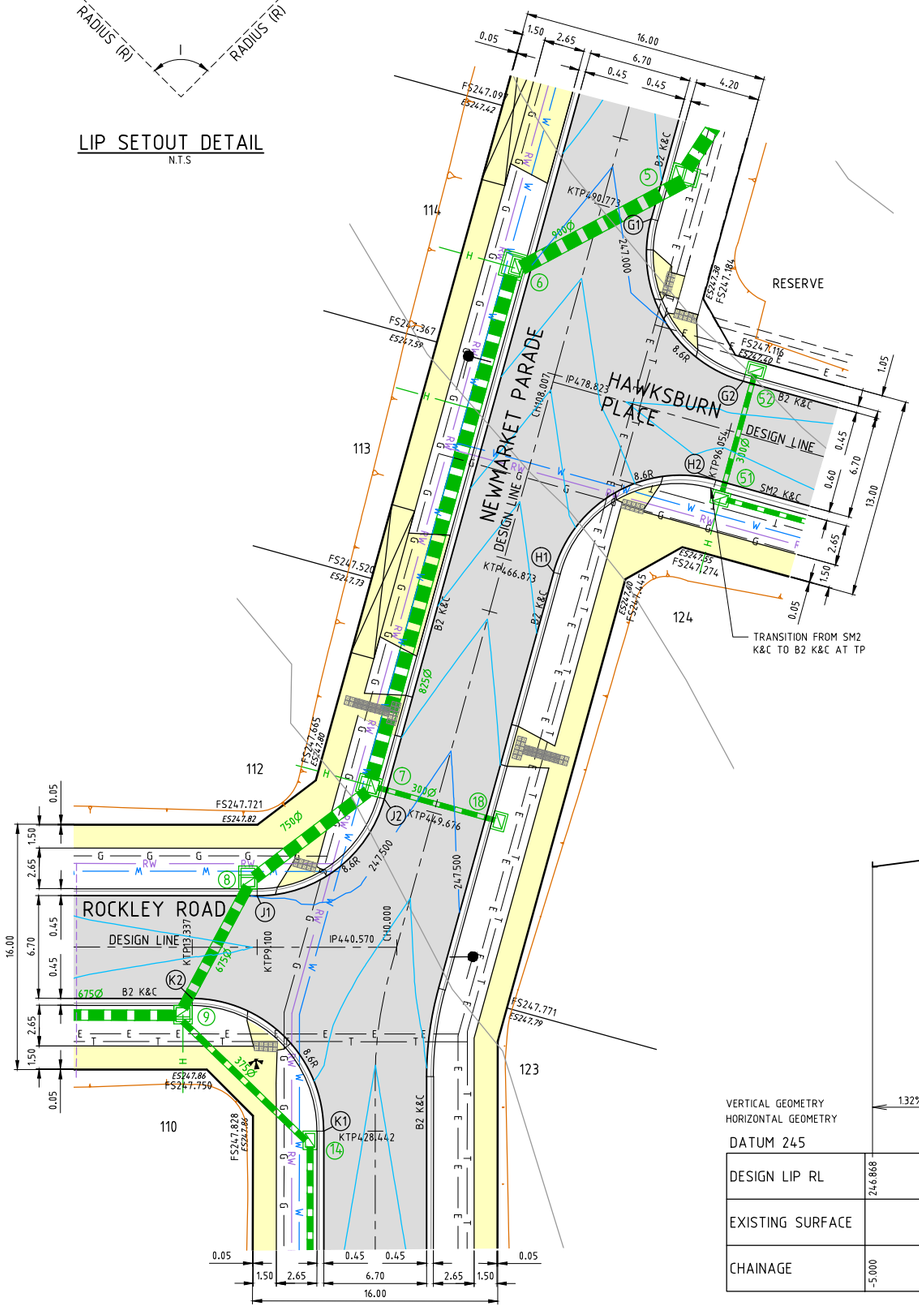
DCE
dalton consulting engineers
255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6866
F 61 3 9888 6880
W www.dceprofile.com
Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4064
Australia
T 61 7 3367 1732
E info@dceprofile.com



LIP SETOUT DETAIL

N.T.S

WARNING!
THE LOCATION OF EXISTING SERVICES SHOWN ON THESE PLANS MUST BE PROVEN ON SITE, THE APPROPRIATE AUTHORITY MUST BE CONTACTED AND THE SERVICES LOCATED PRIOR TO COMMENCEMENT OF ANY WORKS.



PLAN

ALIGNMENT G

POINT NO	EASTING	NORTHING	RL
G1	314874.235	5843891.328	246.934
G2	314878.898	5843880.094	247.035

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
G1 - G2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	246.998

ALIGNMENT H

POINT NO	EASTING	NORTHING	RL
H1	314865.105	5843869.240	247.249
H2	314876.338	5843873.903	247.035

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
H1 - H2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	247.129

ALIGNMENT J

POINT NO	EASTING	NORTHING	RL
J1	314843.338	5843850.654	247.498
J2	314852.342	5843855.903	247.442

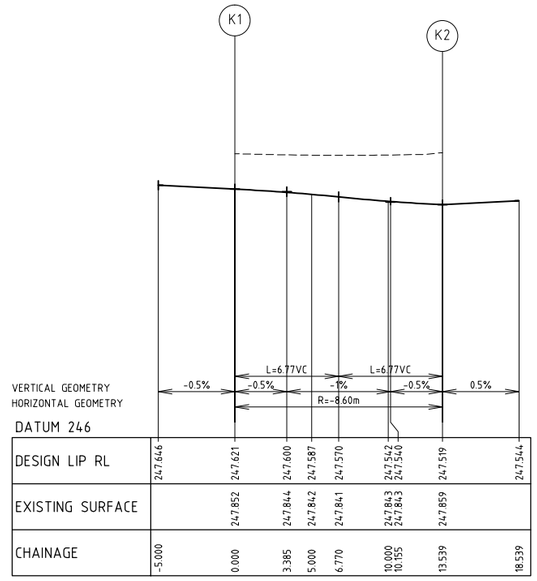
CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
J1 - J2	74.593	8.600	11.196	1.759	1.307	2.750	2.461	2.799	247.470

ALIGNMENT K

POINT NO	EASTING	NORTHING	RL
K1	314845.788	5843834.903	247.621
K2	314838.312	5843844.525	247.519

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
K1 - K2	90.204	8.600	13.539	2.530	1.872	3.298	2.794	3.385	247.570

REFER TO DRG. No.11721LM01 FOR LINEMARKING DETAILS

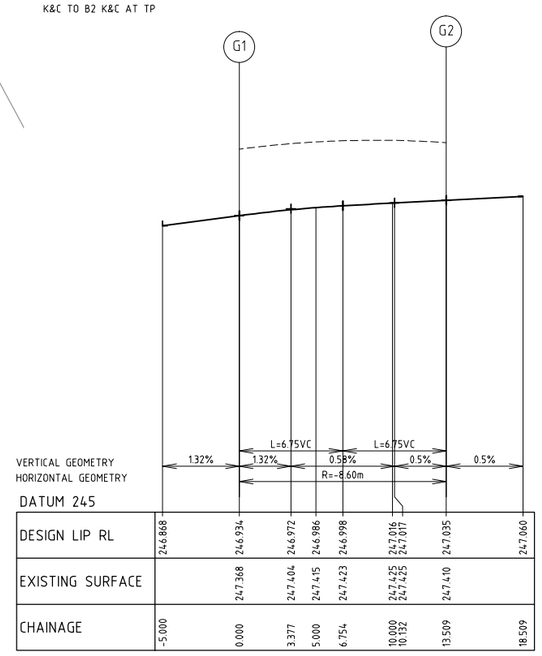


DATUM 246

DESIGN LIP RL	247.646	247.621	247.600	247.587	247.570	247.542 247.540	247.519	247.544
EXISTING SURFACE	247.852	247.844	247.842	247.841	247.843 247.843	247.859
CHAINAGE	-5.000	0.000	3.385	5.000	6.770	10.000 10.555	13.539	18.539

LIP PROFILE K

SCALES HORZ. 1:200, VERT. 1:20

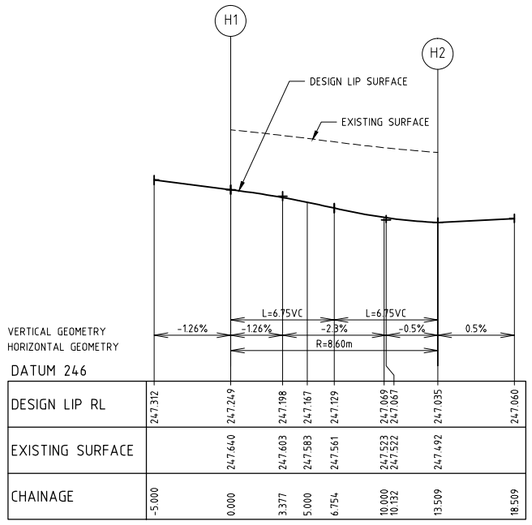


DATUM 245

DESIGN LIP RL	246.868	246.934	246.972	246.986	246.998	247.016 247.017	247.035	247.060
EXISTING SURFACE	247.368	247.404	247.415	247.423	247.425 247.425	247.410
CHAINAGE	-5.000	0.000	3.377	5.000	6.754	10.000 10.132	13.509	18.509

LIP PROFILE G

SCALES HORZ. 1:200, VERT. 1:20

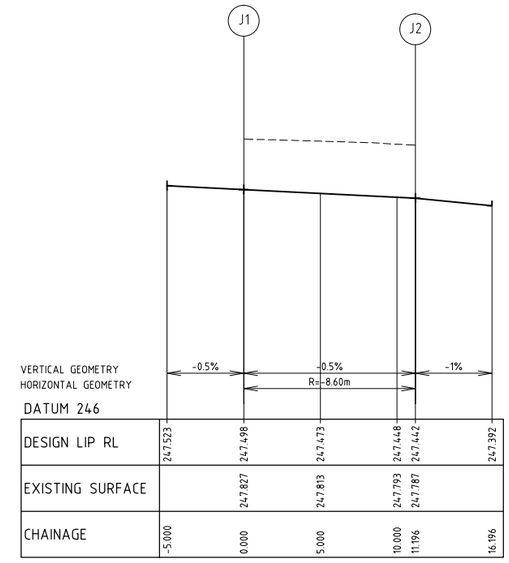


DATUM 246

DESIGN LIP RL	247.312	247.249	247.198	247.167	247.129	247.069 247.067	247.035	247.060
EXISTING SURFACE	247.640	247.603	247.583	247.561	247.523 247.522	247.492
CHAINAGE	-5.000	0.000	3.377	5.000	6.754	10.000 10.132	13.509	18.509

LIP PROFILE H

SCALES HORZ. 1:200, VERT. 1:20



DATUM 246

DESIGN LIP RL	247.523	247.498	247.473	247.448	247.442	247.392
EXISTING SURFACE	247.827	247.813	247.793	247.787
CHAINAGE	-5.000	0.000	5.000	10.000	11.196	16.196

LIP PROFILE J

SCALES HORZ. 1:200, VERT. 1:20

Drawing File: G:\Designdata\11700\11721-MERRIFIELD - Precinct 1 - Stage 1\Acad\BG\11721ID01.dwg - 11721ID06
Date/Time: Mon Aug 11, 2014 - 9:04am --byron.shode--

REV	AMENDMENTS	DATE	APP'D.
3	AS CONSTRUCTED	05/06/14	TL
2	CONSTRUCTION ISSUE TO CONTRACTOR	27/11/13	TL
1	ISSUED TO COUNCIL FOR FINAL APPROVAL	02/10/13	TL
0	CONSTRUCTION ISSUE	26/08/13	TL
C	ISSUED FOR TENDER	16/07/13	TL
B	ISSUED TO COUNCIL FOR APPROVAL	27/06/13	TL
A	ISSUED TO COUNCIL	28/03/13	TL

Drawn HT Date 10/10/12
Designed BG
Date 10/10/12
AN 161071
Verified RFM
Date 15/07/13
AN 701529
Audited RCM
Date 22/0813
AN 641506
Approved TL
Date 26/08/13
AN 881851
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.

LEGEND

- EXISTING WATER MAIN
- EXISTING GAS MAIN
- EXISTING ELECTRICAL CABLE
- EXISTING SEWER MAIN & MANHOLE
- EXISTING TELECOMM. CABLE AND PIT
- EXISTING ELEC. POLE & O'HEAD LINES
- EXISTING STORMWATER DRAIN & PIT
- CONSTRUCTED PRE DEVELOPMENT
- EXISTING TREES TO BE REMOVED
- ES20.06 EXISTING SURFACE LEVEL
- FS21.650 FINISHED SURFACE LEVEL
- OPEN EARTH DRAIN (O.E.D.)
- SEWER MAIN AND MANHOLE
- STORMWATER DRAIN & PIT
- SW DRAIN & PIT CONSTRUCTED IN PREVIOUS STAGES
- MW MAIN DRAIN
- PROPERTY INLETS
- HOUSE DRAIN
- GAS CONDUIT
- WATER CONDUIT
- RECYCLED WATER CONDUIT
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK
- OPTIC FIBRE
- WATER
- RECYCLED WATER
- TELECOMMUNICATIONS
- ELECTRICITY
- GAS
- STREET NAME SIGN
- LIMIT OF WORKS
- ASPHALT PAVEMENT
- CONC FOOTPATH / DRIVEWAY
- LANDSCAPING
- FILLING OVER 200mm
- 155.0 FINISHED SURFACE CONTOUR

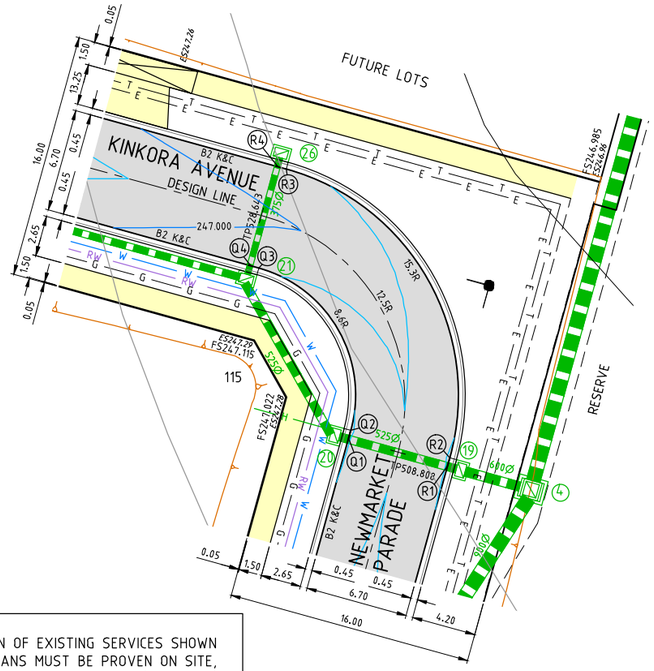
Coords: MGA
Levels: AHD
Hor 1:200 0m 2m 4m 8m 12m
Ver 1:20 0m 0.2m 0.4m 0.8m 1.2m
Scale @ A1/A3 1:200/1:400

merrifield
MAB GDC

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 1
INTERSECTION DETAILS
SHEET 6 OF 8
Drawing No. 11721ID06 Rev 3
Sheet No. 13 AS CONSTRUCTED

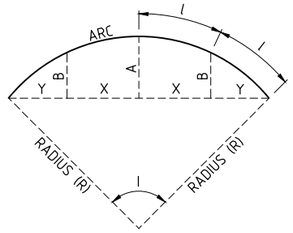
© Dalton Consulting Engineers Pty Ltd
ABN 78 429 221 049

DCE
dalton consulting engineers
255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6866
F 61 3 9888 6880
W www.dceprofile.com
Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4064
Australia
T 61 7 3367 1732
E info@dceprofile.com



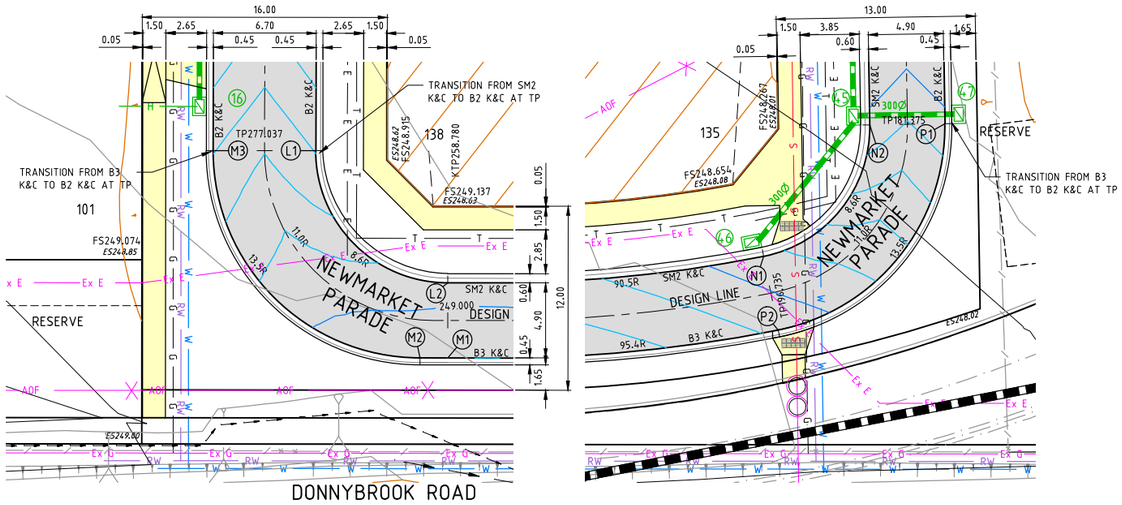
PLAN

WARNING!
THE LOCATION OF EXISTING SERVICES SHOWN ON THESE PLANS MUST BE PROVEN ON SITE, THE APPROPRIATE AUTHORITY MUST BE CONTACTED AND THE SERVICES LOCATED PRIOR TO COMMENCEMENT OF ANY WORKS.



LIP SETOUT DETAIL
N.T.S

REFER TO DRG. No.11721LM01
FOR LINEMARKING DETAILS



PLAN

ALIGNMENT L

POINT NO	EASTING	NORTHING	RL
L1	314833.847	5843683.822	248.695
L2	314841.326	5843674.231	248.953

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
L1 - L2	89.999	8.600	13.509	2.519	1.864	3.291	2.790	3.377	248.856

ALIGNMENT M

POINT NO	EASTING	NORTHING	RL
M1	314840.724	5843669.368	249.100
M2	314838.938	5843669.589	249.092
M3	314827.198	5843684.644	248.695

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
M2 - M3	89.999	13.500	21.205	3.954	2.926	5.166	4.380	5.301	248.932

ALIGNMENT N

POINT NO	EASTING	NORTHING	RL
N1	314902.523	5843668.425	248.432
N2	314910.437	5843676.087	248.034

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
N1 - N2	79.646	8.600	11.955	1.995	1.481	2.929	2.579	2.989	248.250

ALIGNMENT P

POINT NO	EASTING	NORTHING	RL
P1	314915.309	5843675.565	248.034
P2	314902.885	5843663.539	248.579

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
P1 - P2	79.646	13.500	18.766	3.132	2.325	4.598	4.048	4.692	248.333

ALIGNMENT Q

POINT NO	EASTING	NORTHING	RL
Q1	314874.933	5843910.554	246.796
Q2	314875.143	5843911.062	246.793
Q3	314870.481	5843922.295	246.916
Q4	314869.973	5843922.505	246.921

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
Q2 - Q3	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	246.848

ALIGNMENT R

POINT NO	EASTING	NORTHING	RL
R1	314881.125	5843907.994	246.796
R2	314881.335	5843908.503	246.793
R3	314873.041	5843928.487	246.918
R4	314872.533	5843928.697	246.921

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
R2 - R3	90.000	15.300	24.033	4.481	3.317	5.855	4.964	6.008	246.853

REV	AMENDMENTS	DATE	APP'D.
3	AS CONSTRUCTED	05/06/14	TL
2	CONSTRUCTION ISSUE TO CONTRACTOR	27/11/13	TL
1	ISSUED TO COUNCIL FOR FINAL APPROVAL	02/10/13	TL
0	CONSTRUCTION ISSUE	26/08/13	TL
C	ISSUED FOR TENDER	16/07/13	TL
B	ISSUED TO COUNCIL FOR APPROVAL	27/06/13	TL
A	ISSUED TO COUNCIL	28/03/13	TL

Drawn HT Date 10/10/12
Designed BG
Date 10/10/12
AN 161072
Verified RFM
Date 15/07/13
AN 701530
Audited RCM
Date 22/0813
AN 641507
Approved TL
Date 26/08/13
AN 881852
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.

LEGEND

- EXISTING WATER MAIN
- EXISTING GAS MAIN
- EXISTING ELECTRICAL CABLE
- EXISTING SEWER MAIN & MANHOLE
- EXISTING TELECOMM. CABLE AND PIT
- EXISTING ELEC. POLE & O'HEAD LINES
- EXISTING STORMWATER DRAIN & PIT
- CONSTRUCTED PRE DEVELOPMENT
- EXISTING TREES TO BE REMOVED
- ES20.06 EXISTING SURFACE LEVEL
- FS21.650 FINISHED SURFACE LEVEL
- OPEN EARTH DRAIN (O.E.D.)
- SEWER MAIN AND MANHOLE
- STORMWATER DRAIN & PIT
- SW DRAIN & PIT CONSTRUCTED IN PREVIOUS STAGES
- MW MAIN DRAIN
- PROPERTY INLETS
- HOUSE DRAIN
- GAS CONDUIT
- WATER CONDUIT
- RECYCLED WATER CONDUIT
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK
- OPTIC FIBRE
- WATER
- RECYCLED WATER
- TELECOMMUNICATIONS
- ELECTRICITY
- GAS
- STREET NAME SIGN
- LIMIT OF WORKS
- ASPHALT PAVEMENT
- CONC FOOTPATH / DRIVEWAY
- LANDSCAPING
- FILLING OVER 200mm
- 155.0 FINISHED SURFACE CONTOUR

Coords: MGA
Levels: AHD
Hor 1:200 0m 2m 4m 8m 12m
Scale @ A1/A3 1:200/1:400

merrifield MAB GDC

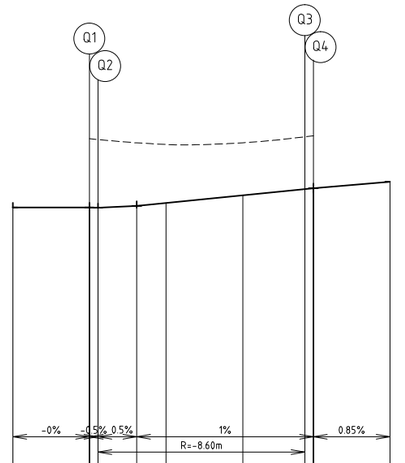
MERRIFIELD DEVELOPMENT

DONNYBROOK ROAD, MICKLEHAM
STAGE 1
INTERSECTION DETAILS
SHEET 7 OF 8
Drawing No. 11721ID07 Rev 3
Sheet No. 14 AS CONSTRUCTED

© Dalton Consulting Engineers Pty Ltd
ABN 78 429 221 049

DCE dalton consulting engineers
255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6866
F 61 3 9888 6880
W www.dceprofile.com
Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4064
Australia
T 61 7 3367 1732
E info@dceprofile.com

Drawing File: G:\Designdata\11700\11721-MERRIFIELD - Precinct 1 - Stage 1\Acad\ID\11721ID01.dwg - 11721ID07
Date/Time: Mon Aug 11, 2014 - 9:04am --byron.shade--

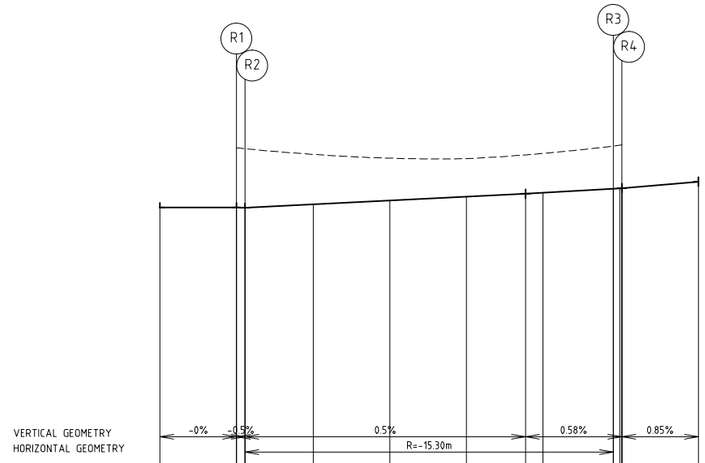


DATUM 245

DESIGN LIP RL	246.796	246.796	246.793	246.806	246.825	246.875	246.916	246.921	246.964
EXISTING SURFACE		247.244	247.238	247.217	247.206	247.217	247.257	247.263	
CHAINAGE	-5.000	0.000	0.550	3.086	5.000	10.000	14.059	14.609	19.609

LIP PROFILE Q

REFER TO DRG.NO. 11721ID07

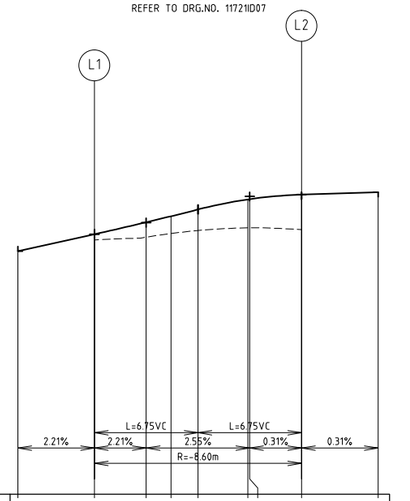


DATUM 245

DESIGN LIP RL	246.796	246.796	246.793	246.816	246.841	246.866	246.885	246.891	246.918 246.918 246.921 246.921	246.964
EXISTING SURFACE		247.184	247.179	247.141	247.117	247.114	247.138	247.148	247.196 247.196 247.203 247.203	
CHAINAGE	-5.000	0.000	0.550	5.000	10.000	15.000	18.850	20.000	24.583 24.583 25.093 25.133	30.133

LIP PROFILE R

REFER TO DRG.NO. 11721ID07

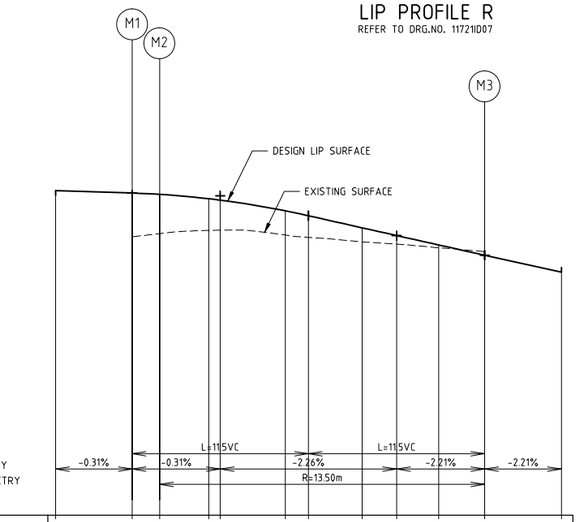


DATUM 247

DESIGN LIP RL	248.584	248.695	248.773	248.812	248.856	248.922 248.923	248.953	248.969
EXISTING SURFACE		248.657	248.676	248.700	248.719	248.736 248.736	248.724	
CHAINAGE	-5.000	0.000	3.377	5.000	6.754	10.000 10.131	13.509	18.509

LIP PROFILE L

REFER TO DRG.NO. 11721ID07

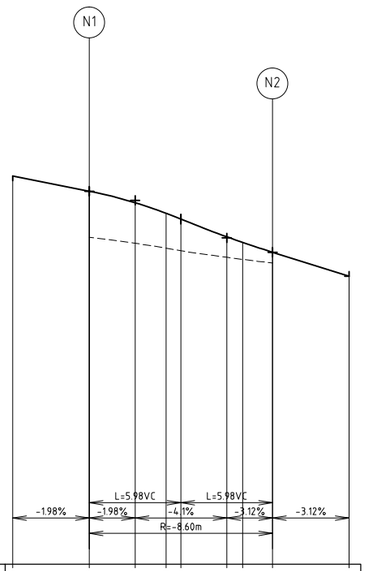


DATUM 247

DESIGN LIP RL	249.116	249.100	249.092	249.063 249.054	248.984	248.952	248.874	248.823	248.762	248.695	248.584
EXISTING SURFACE		248.815	248.836	248.857 248.859	248.826	248.812	248.781	248.768	248.744	248.717	
CHAINAGE	-5.000	0.000	1.800	5.000 5.751	10.000	11.503	15.000	17.254	20.000	23.005	28.005

LIP PROFILE M

REFER TO DRG.NO. 11721ID07

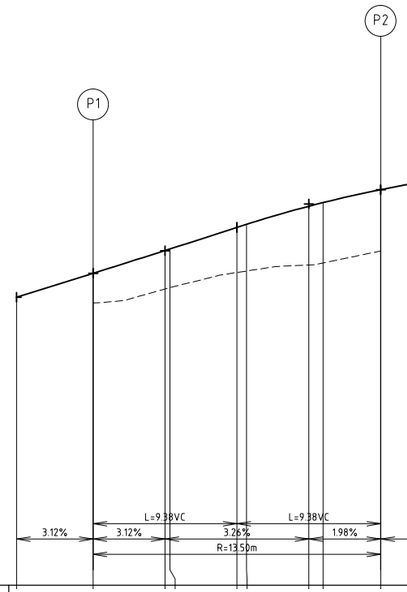


DATUM 246

DESIGN LIP RL	248.530	248.432	248.357	248.288	248.250	248.134	248.098	248.034	247.877
EXISTING SURFACE		248.131	248.093	248.061	248.044	248.001	247.987	247.963	
CHAINAGE	-5.000	0.000	2.989	5.000 5.977		8.966	10.000	11.955	16.955

LIP PROFILE N

REFER TO DRG.NO. 11721ID07



DATUM 246

DESIGN LIP RL	247.877	248.034	248.182 248.192	248.333 248.353	248.471 248.494	248.579	248.677
EXISTING SURFACE		247.839	247.931 247.940	248.038 248.048	248.088 248.101	248.179	
CHAINAGE	-5.000	0.000	4.692 5.000	9.383 10.000	14.075 15.000	18.766	23.766

LIP PROFILE P

REFER TO DRG.NO. 11721ID07

Drawing File: I:\Designdata\11700\11721-MERRIFIELD - Precinct 1 - Stage 1\Acad\RD\
11721ID01.dwg - 11721ID08
Date/Time: Mon Aug 11, 2014 - 9:04am --byron.shode--

REV	AMENDMENTS	DATE	APP'D.
3	AS CONSTRUCTED	05/06/14	TL
2	CONSTRUCTION ISSUE TO CONTRACTOR	27/11/13	TL
1	ISSUED TO COUNCIL FOR FINAL APPROVAL	02/10/13	TL
0	CONSTRUCTION ISSUE	26/08/13	TL
C	ISSUED FOR TENDER	16/07/13	TL
B	ISSUED TO COUNCIL FOR APPROVAL	27/06/13	TL
A	ISSUED TO COUNCIL	28/03/13	TL

Drawn HT Date 10/10/12
Designed BG
Date 10/10/12
AN 161073
Verified RFM
Date 15/07/13
AN 701531
Audited RCM
Date 22/0813
AN 641508
Approved TL
Date 26/08/13
AN 881853
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.

merrifield
MAB GDC

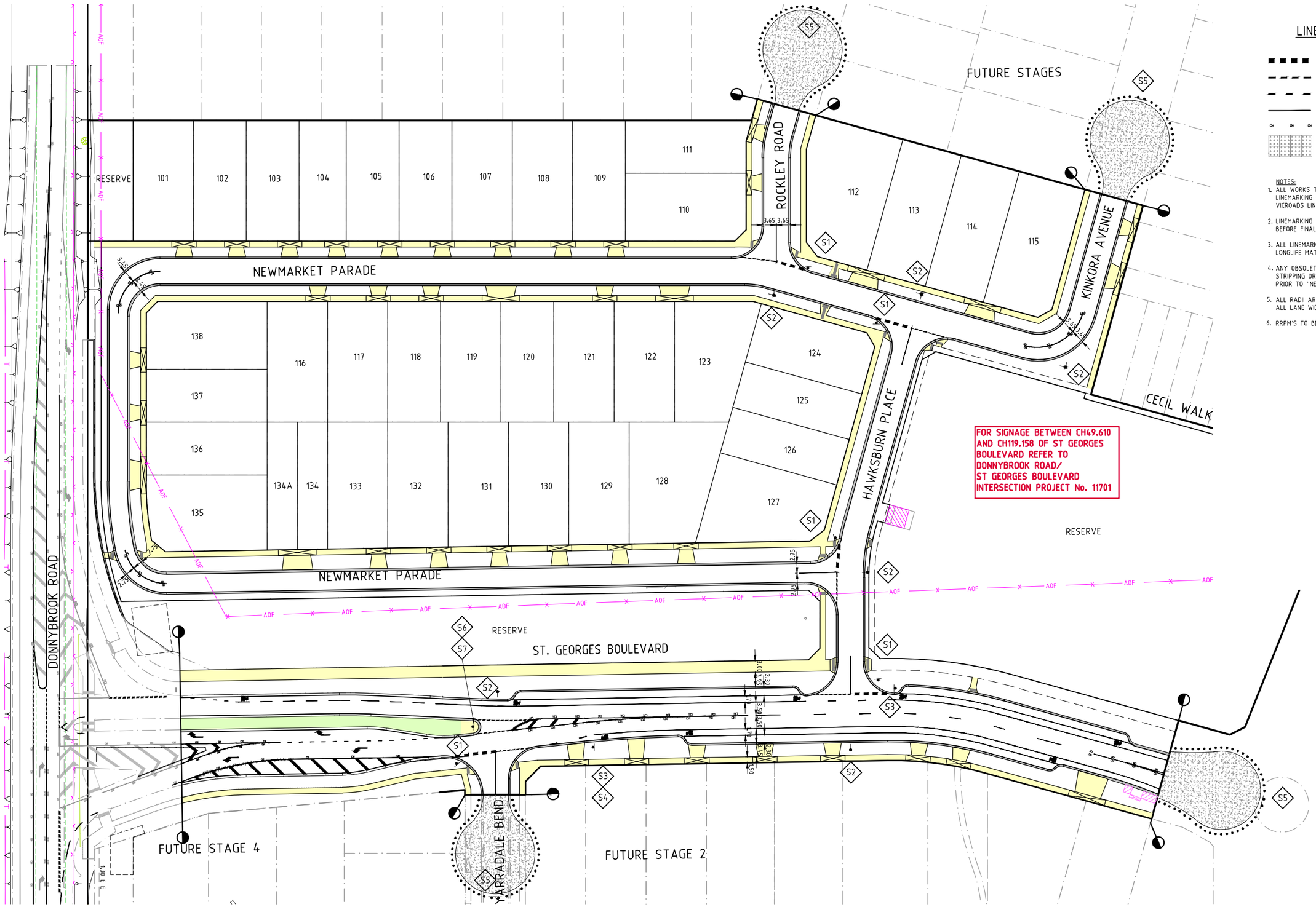
Coords: MGA
Levels: AHD

Hor 1:200 0m 2m 4m 8m 12m
Ver 1:20 0m 0.2m 0.4m 0.8m 1.2m
Scale @ A1/A3 1:200/1:400

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 1
INTERSECTION DETAILS
SHEET 8 OF 8
Drawing No. 11721ID08 Rev 3
Sheet No. 15 AS CONSTRUCTED

© Dalton Consulting Engineers Pty Ltd
ABN 78 429 221 049

DCE
dalton consulting engineers
255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6866
F 61 3 9888 6880
W www.dceprofile.com
Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4064
Australia
T 61 7 3367 1732
E info@dceprofile.com



LINEMARKING LEGEND

- 600mm WIDE GIVE WAY HOLDING LINE
- 200mm WIDE GIVE WAY LINE
- 200mm WIDE CONTINUITY LINE
- 100mm WIDE BARRIER LINE
- RAISED REFLECTIVE PAVEMENT MARKERS (SPACED AT 6m c/c UNLESS NOTED OTHERWISE)
- DENOTES TACTILE GROUND INDICATORS IN ACCORDANCE WITH AS. 1428

NOTES:

1. ALL WORKS TO BE IN ACCORDANCE WITH AS1742. ALL LINEMARKING AND SIGNAGE TO BE IN ACCORDANCE WITH VICROADS LINEMARKING AND TRAFFIC MANUALS.
2. LINEMARKING SET-OUT SHALL BE INSPECTED AND APPROVED BEFORE FINAL LINEMARKING IS CARRIED OUT.
3. ALL LINEMARKING TO BE DEGADUR OR SIMILAR APPROVED LONGLIFE MATERIAL.
4. ANY OBSOLETE LINEMARKING IS TO BE REMOVED BY GRINDING, STRIPPING OR THE APPLICATION OF BITUMEN BINDER AND GRIT PRIOR TO "NEW" LINEMARKING BEING PLACED.
5. ALL RADII ARE TO LIP OF CHANNEL OR LINE OF KERB. ALL LANE WIDTHS ARE TO LIP OF KERB & CHANNEL
6. RRPM'S TO BE PROVIDED IN ACCORDANCE WITH AS1742.

SIGNAGE LEGEND

N.T.S

SIGN	TYPE
GIVE WAY R1-2	S1
STREET NAME SIGN	S2
LANE R7-1-4	S3
END R7-4	S4
NO THROUGH ROAD G9-18 D4-2-1	S5
KEEP LEFT R2-3(L)	S6
R2-5	S7

REV	AMENDMENTS	DATE	APP'D.
4	AS CONSTRUCTED	05/06/14	TL
3	CONSTRUCTION ISSUE TO CONTRACTOR	27/11/13	TL
2	LIMIT OF WORKS NOTE ADDED	22/10/13	TL
1	ISSUED TO COUNCIL FOR FINAL APPROVAL	02/10/13	TL
0	CONSTRUCTION ISSUE	26/08/13	TL
C	ISSUED FOR TENDER	16/07/13	TL
B	ISSUED TO COUNCIL FOR APPROVAL	27/06/13	TL
A	ISSUED TO COUNCIL	28/03/13	TL

Drawn HT Date 10/10/12
Designed BG
Date 10/10/12
AN 161074
Verified RFM
Date 15/07/13
AN 701532
Audited RCM
Date 22/0813
AN 641509
Approved TL
Date 26/08/13
AN 881854
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.

Coords: MGA
Levels: AHD

Hor 1:500 0m 5m 10m 20m 30m

Scale @ A1/A3 1:500/1:1000

merrifield
MAB gpc

MERRIFIELD DEVELOPMENT

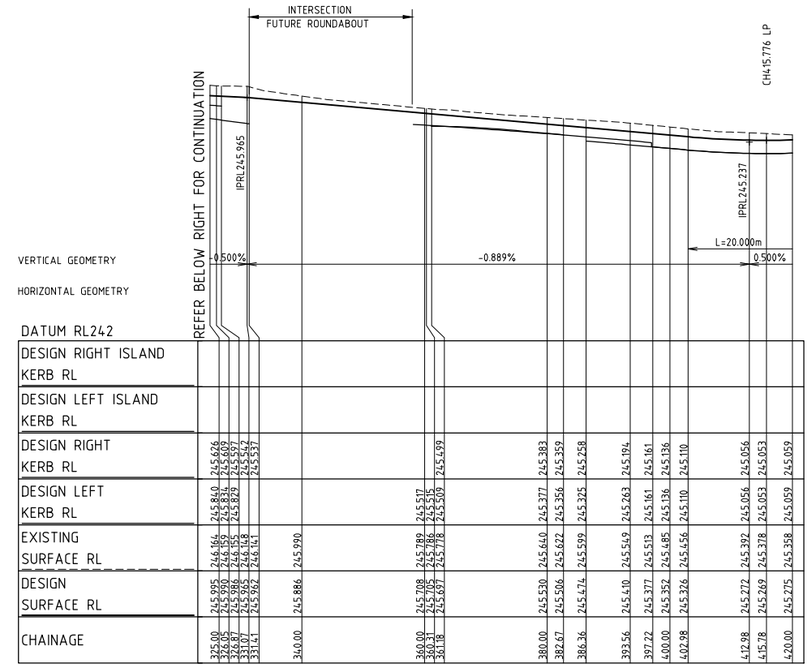
DONNYBROOK ROAD, MICKLEHAM
STAGE 1
SIGNAGE AND LINEMARKING PLAN

Drawing No. 11721LM01 Rev 4
Sheet No. 16 AS CONSTRUCTED

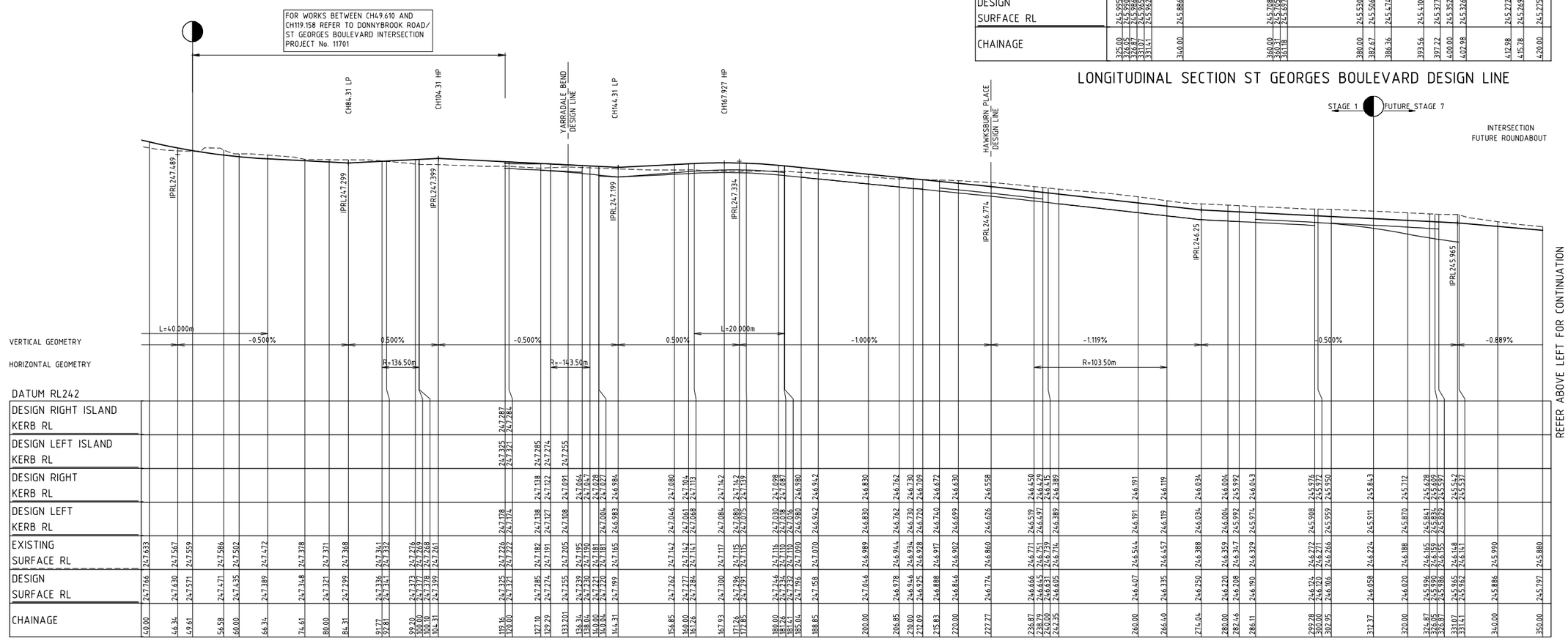
© Dalton Consulting Engineers Pty Ltd
ABN 78 429 221 049

DCE
dalton consulting engineers
255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6866
F 61 3 9888 6880
W www.dceprofile.com
Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4064
Australia
T 61 7 3367 1732
E info@dceprofile.com

Drawing File: G:\Designdata\11700\11721-MERRIFIELD - Precinct 1 - Stage 1\Acad\LM\
11721LM01.dwg - 11721LM01
Date/Time: Mon Aug 11, 2014 - 9:04am --byron.shode--



LONGITUDINAL SECTION ST GEORGES BOULEVARD DESIGN LINE



LONGITUDINAL SECTION ST GEORGES BOULEVARD DESIGN LINE

Drawing File: G:\Designdata\11700\11721-MERRIFIELD - Precinct 1 - Stage 1\Acad\R0\11721LS01.dwg - 11721LS01
Date/Time: Mon Aug 11, 2014 - 9:04am --byron.shade---

REV	AMENDMENTS	DATE	APP'D.
4	AS CONSTRUCTED	05/06/14	TL
3	CONSTRUCTION ISSUE TO CONTRACTOR	27/11/13	TL
2	LIMIT OF WORKS AMENDED	22/10/13	TL
1	ISSUED TO COUNCIL FOR FINAL APPROVAL	02/10/13	TL
0	CONSTRUCTION ISSUE	26/08/13	TL
C	ISSUED FOR TENDER	16/07/13	TL
B	ISSUED TO COUNCIL FOR APPROVAL	27/06/13	TL
A	ISSUED TO COUNCIL	28/03/13	TL

Drawn HT Date 10/10/12
Designed BG
Date 10/10/12
AN 161075
Verified RFM
Date 15/07/13
AN 701533
Audited RCM
Date 22/0813
AN 641510
Approved TL
Date 26/08/13
AN 881855
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.

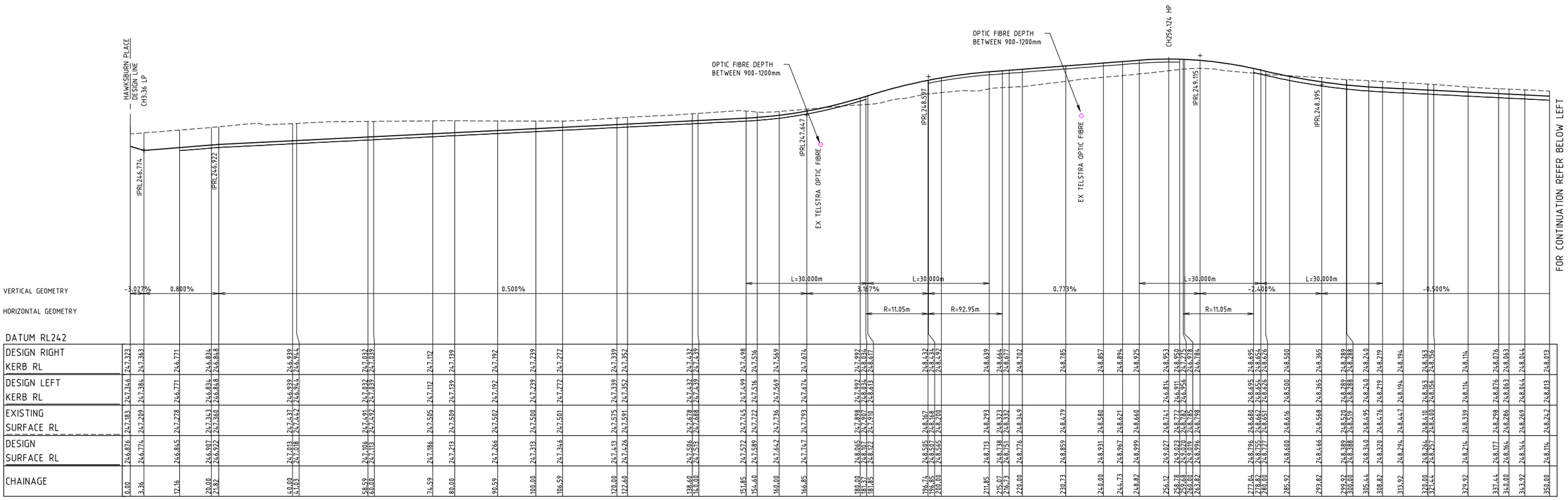
merrifield
MAB GPC

Coords: MGA
Levels: AHD
Hor 1:500 0m 5m 10m 20m 30m
Ver 1:50 0m 0.5m 1m 2m 3m
Scale @ A1/A3 1:500/1:1000

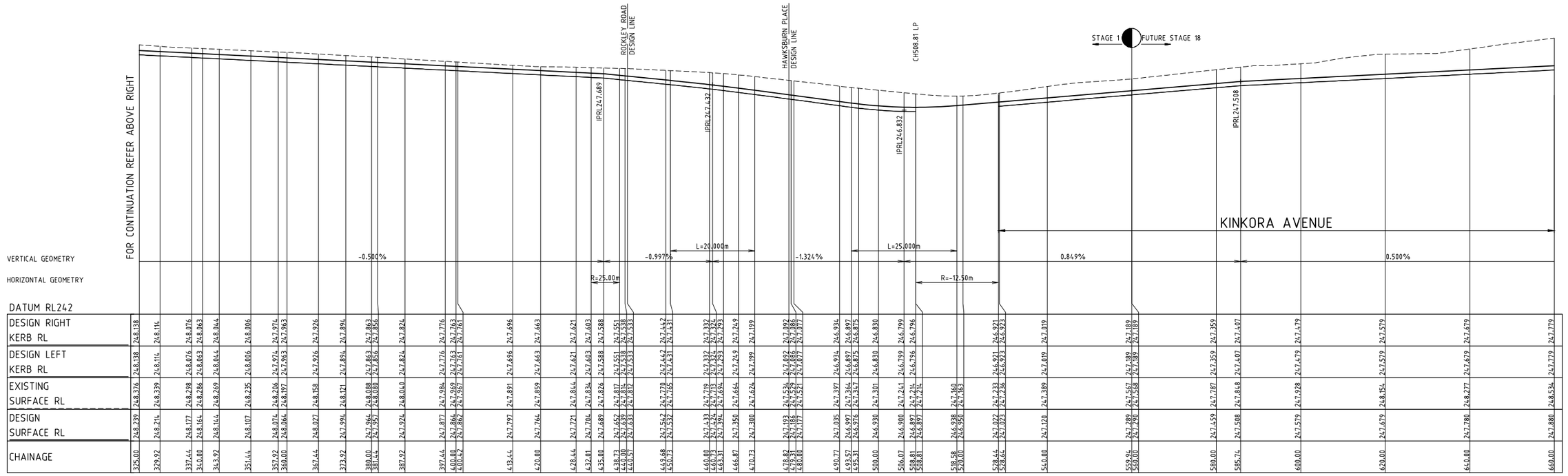
MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 1
LONGITUDINAL SECTIONS
SHEET 1 OF 3
Drawing No. 11721LS01 Rev 4
Sheet No. 17 AS CONSTRUCTED

© Dalton Consulting Engineers Pty Ltd
ABN 78 429 221 049

DCE
dalton consulting engineers
255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 8866
F 61 3 9888 8880
W www.dceprofile.com
Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4064
Australia
T 61 7 3367 1732
E info@dceprofile.com



LONGITUDINAL SECTION NEWMARKET PARADE DESIGN LINE



LONGITUDINAL SECTION NEWMARKET PARADE AND KINKORA AVENUE DESIGN LINE

Drawing File: G:\Designdata\11700\11721-MERRIFIELD - Precinct 1 - Stage 1\Acad\60\11721LS01.dwg - 11721LS02
Date/Time: Mon Aug 11, 2014 - 9:04am --byron.shode--

REV	AMENDMENTS	DATE	APP'D.
3	AS CONSTRUCTED	05/06/14	TL
2	CONSTRUCTION ISSUE TO CONTRACTOR	27/11/13	TL
1	ISSUED TO COUNCIL FOR FINAL APPROVAL	02/10/13	TL
0	CONSTRUCTION ISSUE	26/08/13	TL
C	ISSUED FOR TENDER	16/07/13	TL
B	ISSUED TO COUNCIL FOR APPROVAL	27/06/13	TL
A	ISSUED TO COUNCIL	28/03/13	TL

Drawn HT Date 10/10/12
Designed BG
Date 10/10/12
AN 161076
Verified RFM
Date 15/07/13
AN 701534
Audited RCM
Date 22/0813
AN 641511
Approved TL
Date 26/08/13
AN 881856
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.

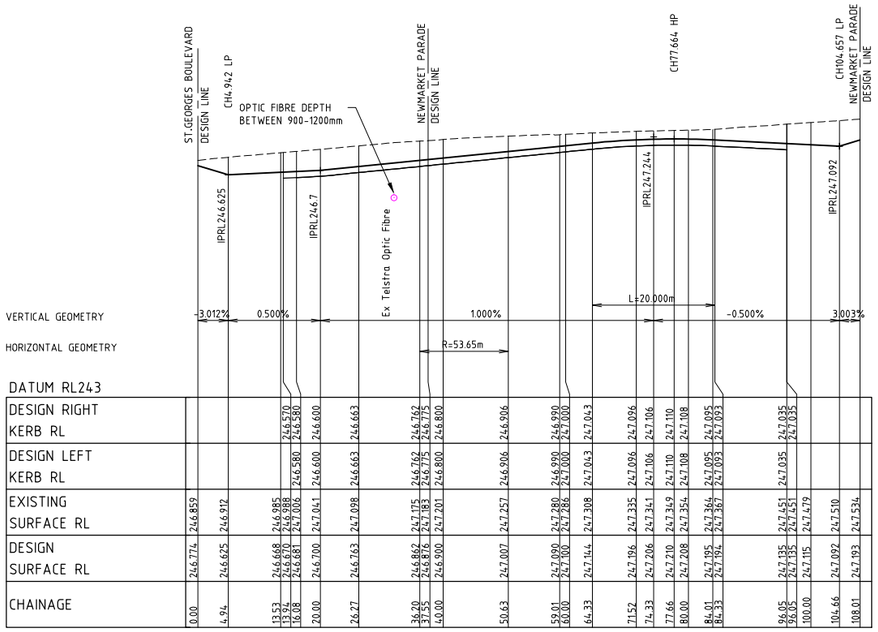
merrifield
MAB GDC

Coords: MGA
Levels: AHD
Hor 1:500 0m 5m 10m 20m 30m
Ver 1:50 0m 0.5m 1m 2m 3m
Scale @ A1/A3 1:500/1:1000

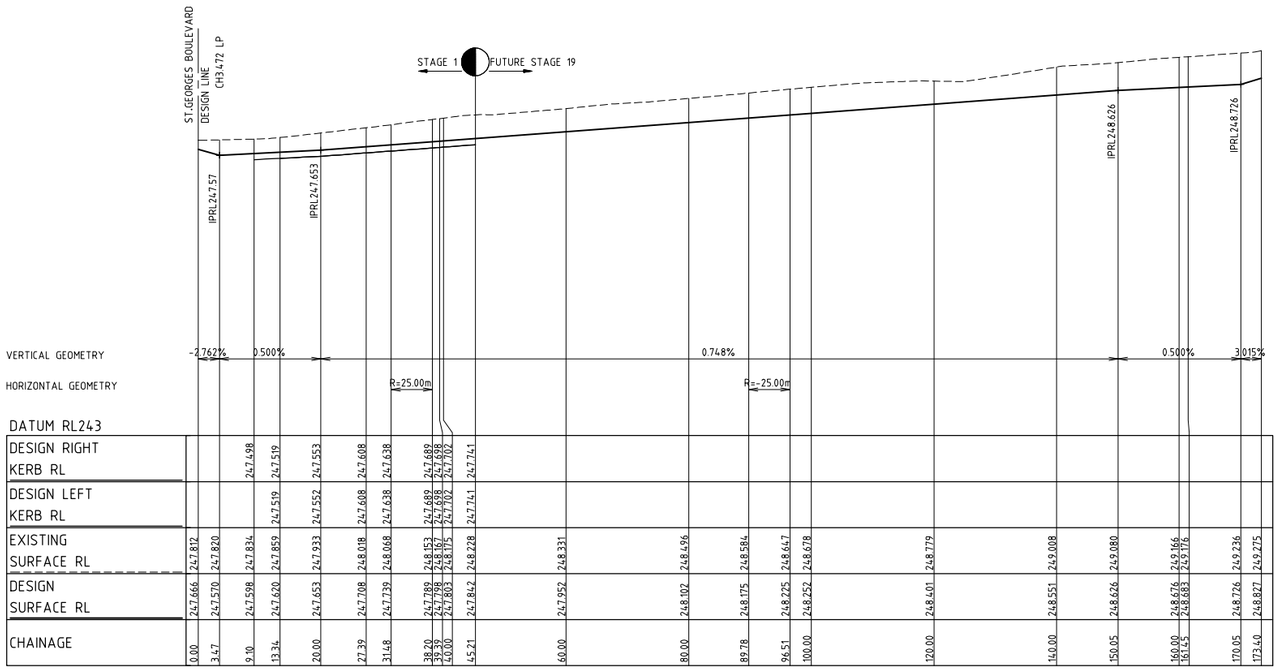
MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 1
LONGITUDINAL SECTIONS
SHEET 2 OF 3
Drawing No. 11721LS02 Rev 3
Sheet No. 18 AS CONSTRUCTED

© Dalton Consulting Engineers Pty Ltd
ABN 78 429 221 049

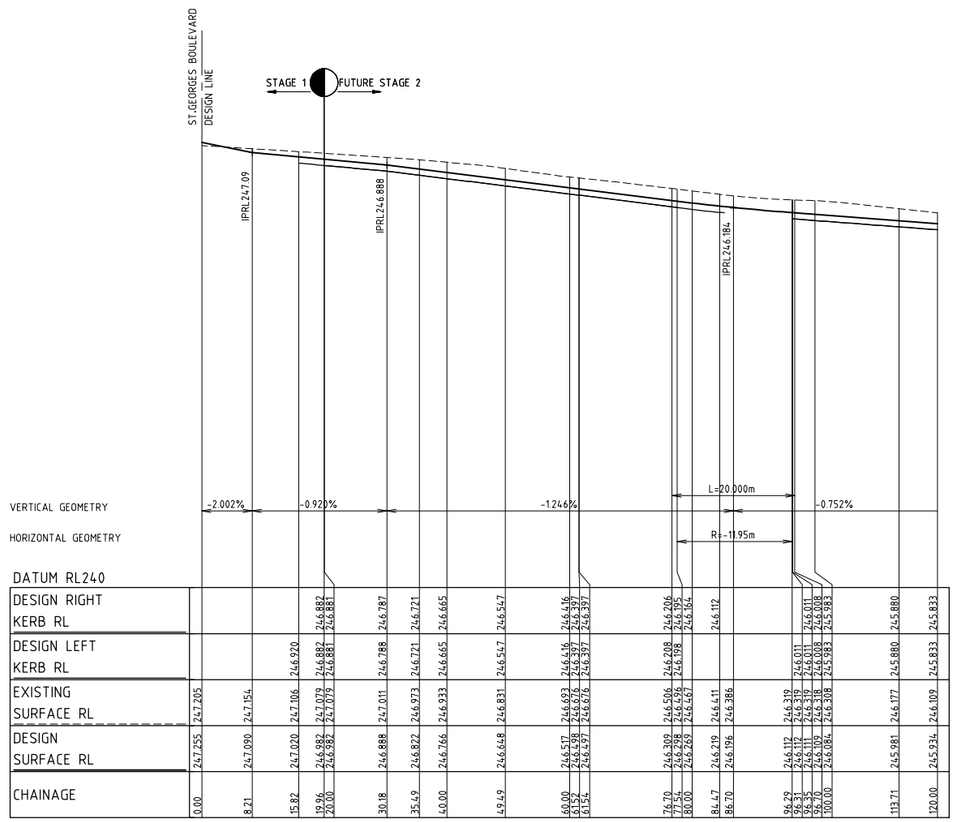
DCE
dalton consulting engineers
255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6666
F 61 3 9888 6880
W www.dceprofile.com
Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4064
Australia
T 61 7 3367 1732
E info@dceprofile.com



LONGITUDINAL SECTION HAWKSBURN PLACE DESIGN LINE



LONGITUDINAL SECTION ROCKLEY ROAD DESIGN LINE



LONGITUDINAL SECTION YARRADALE BEND DESIGN LINE

Drawing File: G:\Designdata\117000\11721-MERRIFIELD - Precinct 1 - Stage 1\acad\R01\
11721LS01.dwg - 11721LS03
Date/Time: Mon Aug 11, 2014 - 9:04am --byron.shade---

REV	AMENDMENTS	DATE	APP'D.
3	AS CONSTRUCTED	05/06/14	TL
2	CONSTRUCTION ISSUE TO CONTRACTOR	27/11/13	TL
1	ISSUED TO COUNCIL FOR FINAL APPROVAL	02/10/13	TL
0	CONSTRUCTION ISSUE	26/08/13	TL
C	ISSUED FOR TENDER	16/07/13	TL
B	ISSUED TO COUNCIL FOR APPROVAL	27/06/13	TL
A	ISSUED TO COUNCIL	28/03/13	TL

Drawn HT Date 10/10/12
Designed BG
Date 10/10/12
AN 161077
Verified RFM
Date 15/07/13
AN 701535
Audited RCM
Date 22/08/13
AN 641512
Approved TL
Date 26/08/13
AN 881857
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.

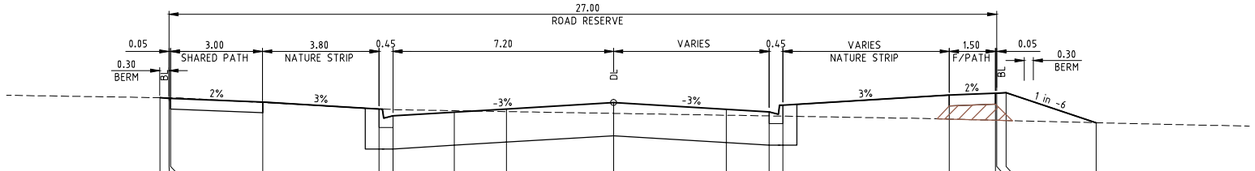
merrifield
MAB GDC

Coords: MGA
Levels: AHD
Hor 1:500 0m 5m 10m 20m 30m
Ver 1:50 0m 0.5m 1m 2m 3m
Scale @ A1/A3 1:500/1:1000

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 1
LONGITUDINAL SECTIONS
SHEET 3 OF 3
Drawing No. 11721LS03 Rev 3
Sheet No. 19 AS CONSTRUCTED

© Dalton Consulting Engineers Pty Ltd
ABN 78 429 221 049

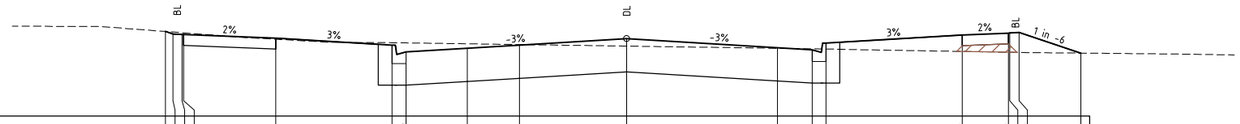
DCE
dalton consulting engineers
255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6866
F 61 3 9888 6880
W www.dceprofile.com
Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4064
Australia
T 61 7 3367 1732
E info@dceprofile.com



DATUM RL246.000

DESIGN SURFACE	247.371	247.341	247.389	247.299	247.185	247.075	247.135	247.186	247.291	247.181	247.139	247.249	247.412	247.442	247.443	247.452	246.963
EXISTING SURFACE	247.371	247.341	247.388	247.293	247.19	247.177	247.158	247.144	247.115	247.085	247.076	247.07	247.021	247.003	247.003	246.995	246.963
OFFSET	-14.800	-14.500	-14.450	-11.650	-7.650	-7.200	-5.200	-3.500	0.000	3.673	5.076	5.524	10.950	12.450	12.500	12.800	15.736

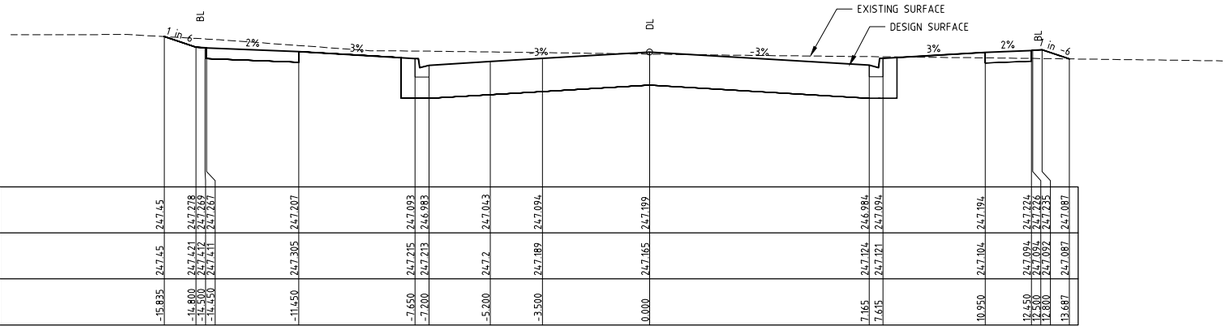
CH 172.849



DATUM RL246.000

DESIGN SURFACE	247.38	247.371	247.334	247.333	247.27	247.156	247.046	247.106	247.157	247.262	247.114	247.08	247.19	247.324	247.354	247.355	247.364	247.028
EXISTING SURFACE	247.38	247.371	247.334	247.333	247.254	247.197	247.194	247.179	247.167	247.142	247.106	247.098	247.095	247.054	247.042	247.041	247.039	247.028
OFFSET	-15.042	-14.800	-14.500	-14.450	-11.650	-7.650	-7.200	-5.200	-3.500	0.000	4.918	6.051	6.501	10.950	12.450	12.500	12.800	14.817

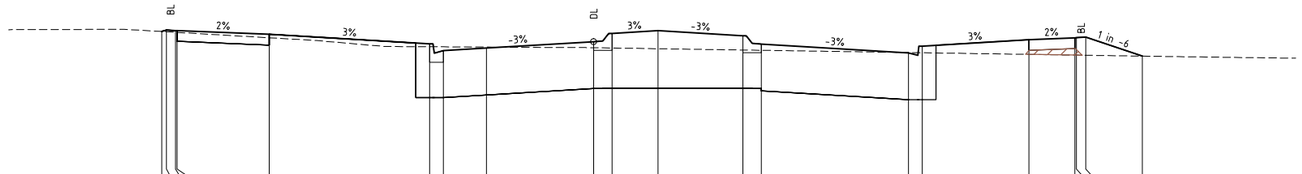
CH 156.847



DATUM RL245.000

DESIGN SURFACE	247.45	247.478	247.449	247.467	247.207	247.093	246.983	247.043	247.094	247.199	246.984	247.094	247.194	247.224	247.226	247.235	247.087
EXISTING SURFACE	247.45	247.421	247.419	247.411	247.305	247.215	247.213	247.2	247.189	247.165	247.124	247.121	247.104	247.094	247.094	247.092	247.087
OFFSET	-15.835	-14.800	-14.500	-14.450	-11.650	-7.650	-7.200	-5.200	-3.500	0.000	7.165	7.615	10.950	12.450	12.500	12.800	13.687

CH 144.310



DATUM RL245.000

DESIGN SURFACE	247.49	247.515	247.506	247.505	247.445	247.288	247.178	247.22	247.325	247.459	247.504	247.421	247.287	247.143	247.253	247.357	247.387	247.389	247.398	247.089
EXISTING SURFACE	247.49	247.486	247.477	247.476	247.388	247.242	247.24	247.237	247.226	247.221	247.21	247.188	247.184	247.147	247.144	247.117	247.106	247.105	247.103	247.089
OFFSET	-14.086	-13.936	-13.636	-13.586	-10.586	-5.350	-5.300	-3.500	0.000	0.600	2.100	4.869	5.469	10.271	10.721	14.200	15.700	15.750	16.050	17.902

CH 119.159

ST. GEORGES BOULEVARD

FOR WORKS BETWEEN CH49.610 AND CH119.158 REFER TO DONNYBROOK ROAD/ ST GEORGES BOULEVARD INTERSECTION PROJECT No. 11701

Drawing File: G:\Designdata\11700\11721-MERRIFIELD - Precinct 1 - Stage 1\Acad\RD\ 11721XS01.dwg - 11721XS01
Date/Time: Mon Aug 11, 2014 - 9:04am ---byron.shade---

REV	AMENDMENTS	DATE	APP'D.
4	AS CONSTRUCTED	05/06/14	TL
3	CONSTRUCTION ISSUE TO CONTRACTOR	27/11/13	TL
2	LIMIT OF WORKS NOTE ADDED	22/10/13	TL
1	ISSUED TO COUNCIL FOR FINAL APPROVAL	02/10/13	TL
0	CONSTRUCTION ISSUE	26/08/13	TL
C	ISSUED FOR TENDER	16/07/13	TL
B	ISSUED TO COUNCIL FOR APPROVAL	27/06/13	TL
A	ISSUED TO COUNCIL	28/03/13	TL

Drawn HT Date 10/10/12
Designed BG
Date 10/10/12
AN 161078
Verified RFM
Date 15/07/13
AN 701536
Audited RCM
Date 22/0813
AN 614513
Approved TL
Date 26/08/13
AN 881858
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.

LEGEND

CLASS 3 OR SIMILAR APPROVED FILL MATERIAL

merrifield
MAB GPC

Coords: MGA
Levels: AHD

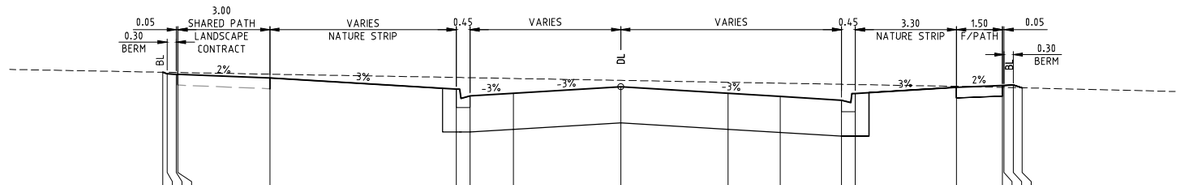
Hor 1:200 0m 2m 4m 8m 12m
Ver 1:100 0m 1m 2m 4m 6m
Scale @ A1/A3 1:200/1:400

MERRIFIELD DEVELOPMENT

DONNYBROOK ROAD, MICKLEHAM
STAGE 1
CROSS SECTIONS
SHEET 1 OF 9
Drawing No. 11721XS01 Rev 4
Sheet No. 20 AS CONSTRUCTED

© Dalton Consulting Engineers Pty Ltd
ABN 78 429 221 049

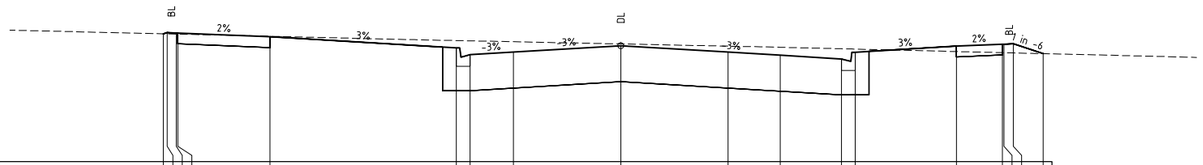
DCE
dalton consulting engineers
255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6866
F 61 3 9888 6880
W www.dceprofile.com
Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4064
Australia
T 61 7 3367 1732
E info@dceprofile.com



DATUM RL245.000

DESIGN SURFACE	246.884	246.884	246.881	246.85	246.679	246.607	246.497	246.54	246.645	246.54	246.489	246.429	246.539	246.638	246.668	246.662	246.618	246.63
EXISTING SURFACE	246.885	246.884	246.882	246.879	246.852	246.799	246.795	246.782	246.751	246.72	246.705	246.687	246.683	246.654	246.638	246.633	246.633	246.63
OFFSET	-14.928	-14.798	-14.498	-14.448	-11.448	-5.363	-4.913	-3.500	0.000	3.500	5.200	7.200	7.650	10.950	12.550	12.700	12.800	13.089

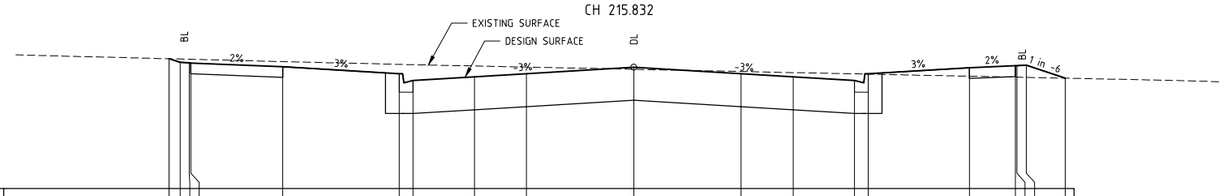
CH 238.794



DATUM RL245.000

DESIGN SURFACE	247.082	247.082	247.096	247.093	247.033	246.851	246.741	246.783	246.888	246.783	246.732	246.672	246.782	246.881	246.911	246.912	246.921	246.758
EXISTING SURFACE	247.082	247.081	247.097	247.077	247.061	246.972	246.967	246.953	246.917	246.881	246.862	246.838	246.832	246.792	246.774	246.772	246.77	246.758
OFFSET	-14.927	-14.798	-14.498	-14.448	-11.448	-5.363	-4.913	-3.500	0.000	3.500	5.200	7.200	7.650	10.950	12.550	12.700	12.800	13.779

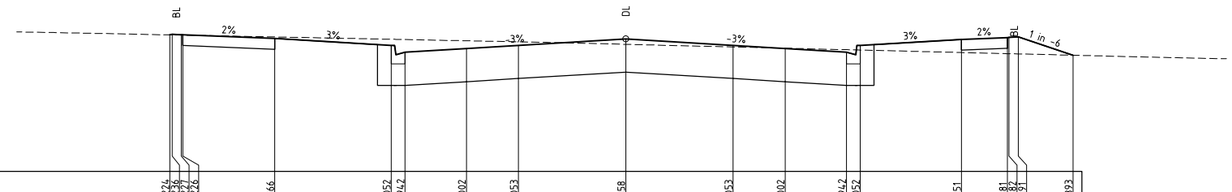
CH 215.832



DATUM RL245.000

DESIGN SURFACE	247.116	247.116	247.056	247.047	246.986	246.872	246.762	246.822	246.873	246.978	246.873	246.822	246.762	246.872	246.971	247.001	247.002	247.011	246.799
EXISTING SURFACE	247.116	247.111	247.057	247.047	247.069	247.024	247.019	246.997	246.98	246.944	246.908	246.89	246.87	246.865	246.831	246.816	246.815	246.812	246.799
OFFSET	-15.157	-14.800	-14.500	-14.450	-11.450	-7.650	-7.200	-5.200	-3.500	0.000	3.500	5.200	7.200	7.650	10.950	12.550	12.700	12.800	14.075

CH 206.854



DATUM RL245.000

DESIGN SURFACE	247.224	247.224	247.224	247.226	247.166	247.052	246.942	247.002	247.053	247.158	247.053	247.002	246.942	247.052	247.151	247.181	247.182	247.191	246.893
EXISTING SURFACE	247.224	247.221	247.221	247.221	247.191	247.153	247.149	247.128	247.111	247.07	247.028	247.007	246.983	246.977	246.937	246.919	246.918	246.915	246.893
OFFSET	-14.871	-14.800	-14.500	-14.450	-11.450	-7.650	-7.200	-5.200	-3.500	0.000	3.500	5.200	7.200	7.650	10.950	12.550	12.700	12.800	14.591

CH 188.852

ST. GEORGES BOULEVARD

Drawing File: G:\Designdata\11700\11721-MERRIFIELD - Precinct 1 - Stage 1\Acad\R01\11721XS01.dwg - 11721XS02
Date/Time: Mon Aug 11, 2014 - 9:05am --byron.shode---

REV	AMENDMENTS	DATE	APP'D.
3	CONSTRUCTION ISSUE TO CONTRACTOR	27/11/13	TL
2	RES. FPATH TRANSFERED TO LANDSCAPE CONTRACT	25/11/13	TL
1	ISSUED TO COUNCIL FOR FINAL APPROVAL	02/10/13	TL
0	CONSTRUCTION ISSUE	26/08/13	TL
C	ISSUED FOR TENDER	16/07/13	TL
B	ISSUED TO COUNCIL FOR APPROVAL	27/06/13	TL
A	ISSUED TO COUNCIL	28/03/13	TL

Drawn HT Date 10/10/12
Designed BG
Date 10/10/12
AN 161079
Verified RFM
Date 15/07/13
AN 701537
Audited RCM
Date 22/0813
AN 641514
Approved TL
Date 26/08/13
AN 881859
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.

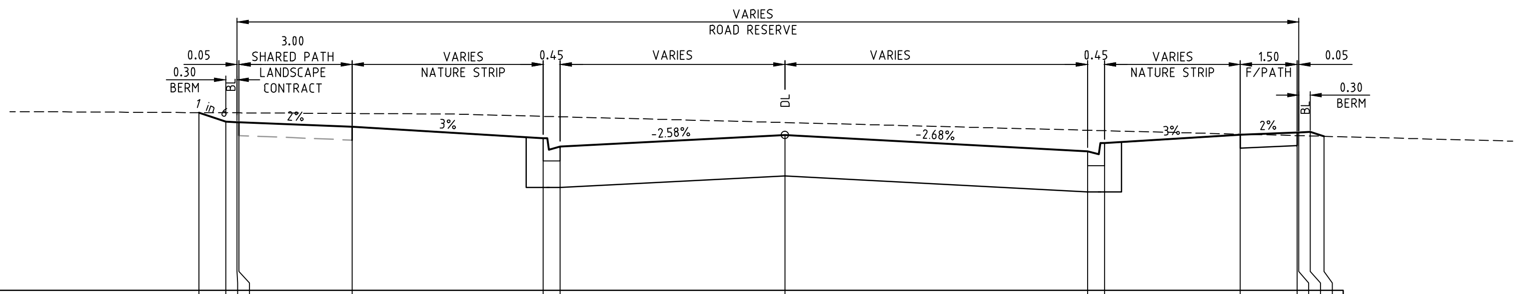
merrifield
MAB GPC

Coords: MGA
Levels: AHD
Hor 1:200 0m 2m 4m 8m 12m
Ver 1:100 0m 1m 2m 4m 6m
Scale @ A1/A3 1:200/1:400

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 1
CROSS SECTIONS
SHEET 2 OF 9
Drawing No. 11721XS02 Rev 3
Sheet No. 21 AS CONSTRUCTED

© Dalton Consulting Engineers Pty Ltd
ABN 78 429 221 049

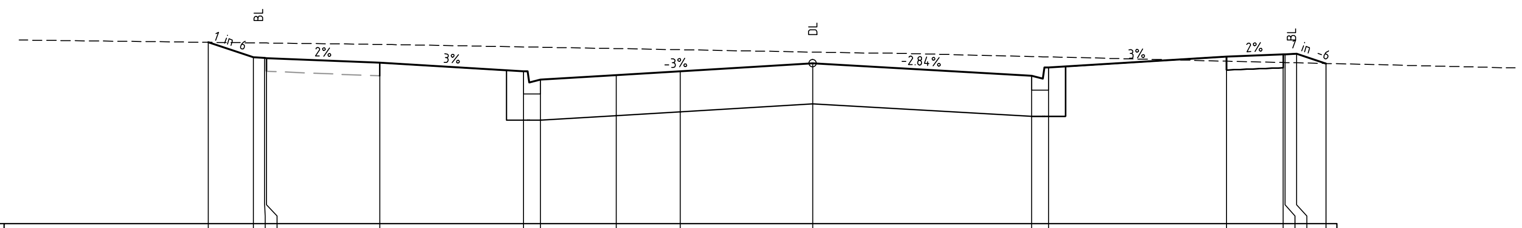
DCE
dalton consulting engineers
255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6866
F 61 3 9888 6880
W www.dceprofile.com
Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4064
Australia
T 61 7 3367 1732
E info@dceprofile.com



DATUM RL244.000

DESIGN SURFACE	246.355	246.237	246.228	246.226	246.166	246.015	245.905	246.058	245.844	245.954	246.061	246.091	246.093	246.102	246.042
EXISTING SURFACE	246.355	246.353	246.353	246.352	246.344	246.306	246.3	246.224	246.122	246.116	246.07	246.051	246.05	246.046	246.042
OFFSET	-15.510	-14.800	-14.500	-14.450	-11.450	-6.400	-5.950	0.000	8.009	8.459	12.052	13.552	13.602	13.902	14.263

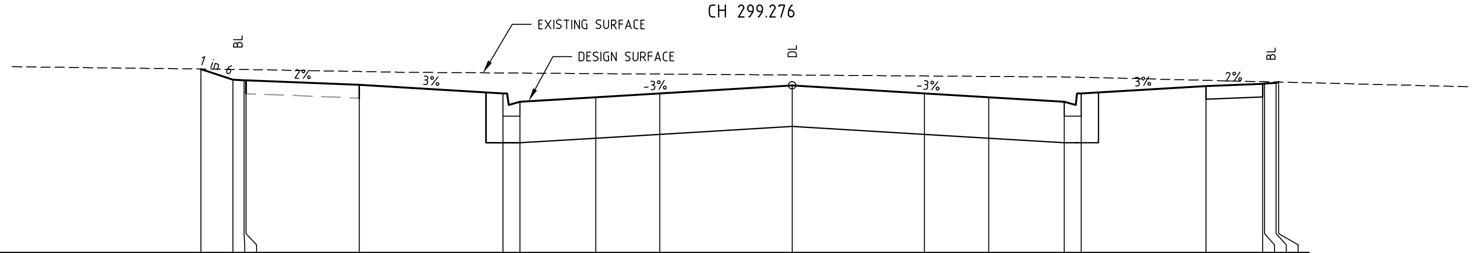
CH 312.368



DATUM RL244.000

DESIGN SURFACE	246.402	246.202	246.193	246.192	246.132	246.018	245.908	245.968	246.019	246.124	245.959	246.069	246.211	246.241	246.242	246.251	246.121
EXISTING SURFACE	246.402	246.394	246.392	246.392	246.374	246.341	246.337	246.319	246.303	246.272	246.213	246.208	246.152	246.134	246.134	246.13	246.121
OFFSET	-15.995	-14.800	-14.500	-14.450	-11.450	-7.650	-7.200	-5.200	-3.500	0.000	5.790	6.240	10.950	12.450	12.500	12.800	13.581

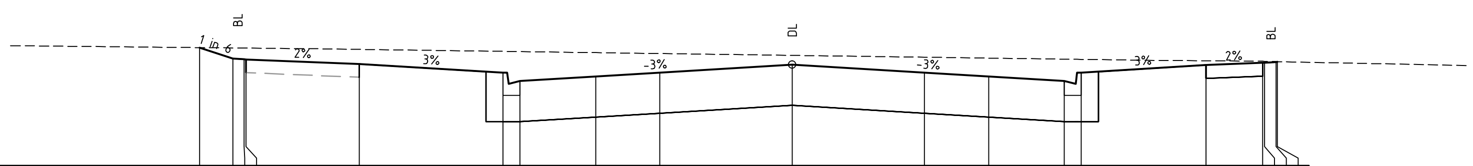
CH 299.276



DATUM RL244.000

DESIGN SURFACE	246.427	246.286	246.277	246.276	246.216	246.102	245.992	246.052	246.103	246.208	246.103	246.052	245.992	246.102	246.201	246.231	246.232	246.241	246.254
EXISTING SURFACE	246.427	246.421	246.42	246.419	246.393	246.374	246.373	246.366	246.359	246.347	246.334	246.328	246.321	246.317	246.277	246.259	246.258	246.255	246.254
OFFSET	-15.641	-14.800	-14.500	-14.450	-11.450	-7.650	-7.200	-5.200	-3.500	0.000	3.500	5.200	7.200	7.650	10.950	12.450	12.500	12.800	12.874

CH 282.463



DATUM RL245.000

DESIGN SURFACE	246.56	246.414	246.405	246.403	246.343	246.229	246.119	246.179	246.23	246.335	246.23	246.179	246.119	246.229	246.328	246.358	246.36	246.369	246.375
EXISTING SURFACE	246.56	246.556	246.554	246.554	246.537	246.51	246.507	246.493	246.482	246.457	246.433	246.421	246.408	246.405	246.386	246.379	246.379	246.375	246.375
OFFSET	-15.678	-14.800	-14.500	-14.450	-11.450	-7.650	-7.200	-5.200	-3.500	0.000	3.500	5.200	7.200	7.650	10.950	12.450	12.500	12.800	12.834

CH 266.404

ST. GEORGES BOULEVARD

Drawing File: G:\Designdata\11700\11721-MERRIFIELD - Precinct 1 - Stage 1\Acad\RD\11721XS01.dwg - 11721XS03
Date/Time: Mon Aug 11, 2014 - 9:05am --byron.shade--

REV	AMENDMENTS	DATE	APP'D.
4	AS CONSTRUCTED	05/06/14	TL
3	CONSTRUCTION ISSUE TO CONTRACTOR	27/11/13	TL
2	RES. FPATH TRANSFERED TO LANDSCAPE CONTRACT	25/11/13	TL
1	ISSUED TO COUNCIL FOR FINAL APPROVAL	02/10/13	TL
0	CONSTRUCTION ISSUE	26/08/13	TL
C	ISSUED FOR TENDER	16/07/13	TL
B	ISSUED TO COUNCIL FOR APPROVAL	27/06/13	TL
A	ISSUED TO COUNCIL	28/03/13	TL

Drawn HT Date 10/10/12
Designed BG
Date 10/10/12
AN 161080
Verified RFM
Date 15/07/13
AN 701538
Audited RCM
Date 22/0813
AN 641515
Approved TL
Date 26/08/13
AN 881860
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.

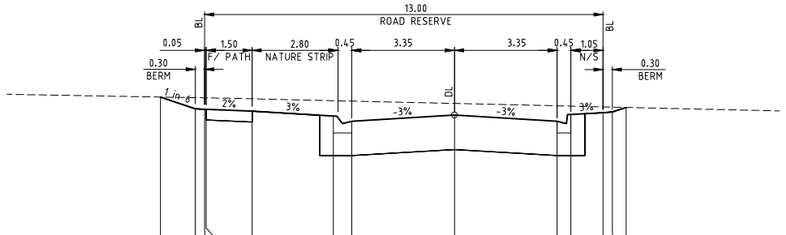
Coords: MGA
Levels: AHD
Hor 1:200 0m 2m 4m 8m 12m
Ver 1:100 0m 1m 2m 4m 6m
Scale @ A1/A3 1:200/1:400

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 1
CROSS SECTIONS
SHEET 3 OF 9
Drawing No. 11721XS03 Rev 4
Sheet No. 22 AS CONSTRUCTED

© Dalton Consulting Engineers Pty Ltd
ABN 78 429 221 049

DCE
dalton consulting engineers
255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6866
F 61 3 9888 6880
W www.dceprofile.com

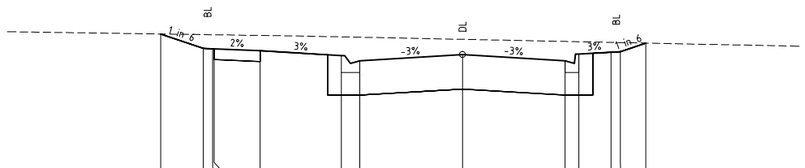
Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4064
Australia
T 61 7 3367 1732
E info@dceprofile.com



DATUM RL245.000

DESIGN SURFACE	247.385	247.195	247.192	247.184	247.154	247.075	246.99	247.09	246.99	247.1	247.121	247.174	247.216
EXISTING SURFACE	247.385	247.375	247.372	247.371	247.357	247.326	247.319	247.28	247.242	247.237	247.225	247.223	247.216
OFFSET	-9.589	-8.450	-8.150	-8.100	-6.600	-3.950	-3.350	0.000	3.350	3.800	4.850	5.150	5.603

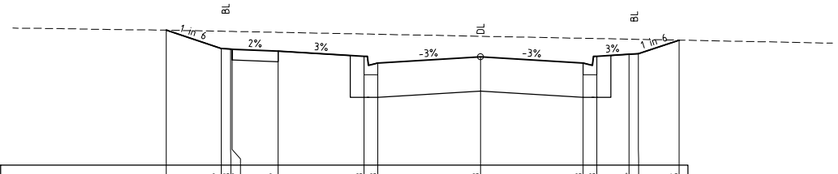
CH 59.007



DATUM RL245.000

DESIGN SURFACE	247.344	247.111	247.102	247.101	247.071	246.991	246.906	247.007	246.906	247.016	247.068	247.097	247.195
EXISTING SURFACE	247.344	247.334	247.331	247.331	247.32	247.297	247.291	247.257	247.222	247.218	247.207	247.204	247.195
OFFSET	-9.846	-8.450	-8.150	-8.100	-6.600	-3.950	-3.350	0.000	3.350	3.800	4.850	5.150	5.981

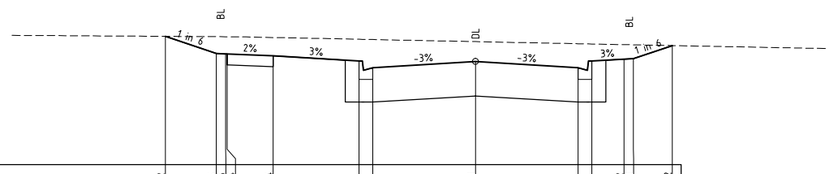
CH 50.631



DATUM RL245.000

DESIGN SURFACE	247.198	246.897	246.888	246.887	246.857	246.773	246.663	246.763	246.663	246.773	246.814	246.813	247.035
EXISTING SURFACE	247.198	247.18	247.177	247.177	247.162	247.135	247.131	247.098	247.066	247.061	247.051	247.048	247.035
OFFSET	-10.253	-8.450	-8.150	-8.100	-6.600	-3.800	-3.350	0.000	3.350	3.800	4.850	5.150	6.482

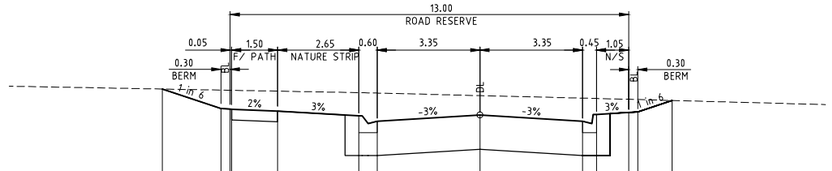
CH 26.269



DATUM RL245.000

DESIGN SURFACE	247.092	246.815	246.806	246.804	246.774	246.69	246.58	246.681	246.58	246.69	246.727	246.751	246.942
EXISTING SURFACE	247.092	247.087	247.086	247.086	247.074	247.045	247.041	247.006	246.972	246.968	246.958	246.955	246.942
OFFSET	-10.116	-8.450	-8.150	-8.100	-6.600	-3.800	-3.350	0.000	3.350	3.800	4.850	5.150	6.419

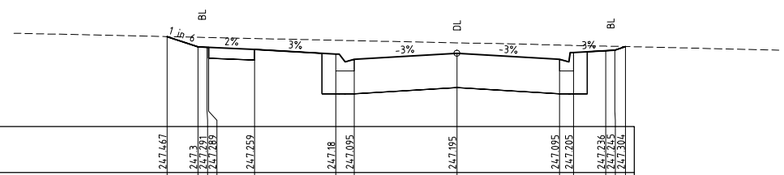
CH 16.075



DATUM RL245.000

DESIGN SURFACE	247.558	247.24	247.231	247.229	247.199	247.12	247.035	247.135	247.035	247.145	247.176	247.185	247.371
EXISTING SURFACE	247.558	247.256	247.238	247.237	247.523	247.499	247.492	247.451	247.41	247.404	247.39	247.386	247.371
OFFSET	-10.360	-8.450	-8.150	-8.100	-6.600	-3.950	-3.350	0.000	3.350	3.800	4.850	5.150	6.268

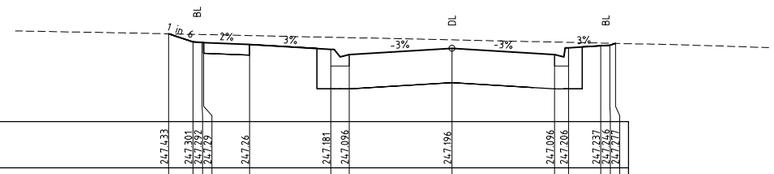
CH 96.054



DATUM RL246.000

DESIGN SURFACE	247.467	247.3	247.291	247.289	247.259	247.18	247.095	247.195	247.095	247.205	247.236	247.245	247.304
EXISTING SURFACE	247.467	247.456	247.453	247.452	247.436	247.407	247.4	247.364	247.328	247.323	247.311	247.308	247.304
OFFSET	-9.452	-8.450	-8.150	-8.100	-6.600	-3.950	-3.350	0.000	3.350	3.800	4.850	5.150	5.500

CH 84.007



DATUM RL246.000

DESIGN SURFACE	247.433	247.301	247.292	247.29	247.26	247.181	247.096	247.196	247.096	247.206	247.237	247.246	247.317
EXISTING SURFACE	247.433	247.424	247.421	247.42	247.405	247.377	247.37	247.335	247.298	247.293	247.282	247.279	247.277
OFFSET	-9.241	-8.450	-8.150	-8.100	-6.600	-3.950	-3.350	0.000	3.350	3.800	4.850	5.150	5.333

CH 71.517

HAWKSBURN PLACE

Drawing File: G:\Designdata\11700\11721-MERRIFIELD - Precinct 1 - Stage 1\Acad\R01\
11721XS01.dwg - 11721XS04
Date/Time: Mon Aug 11, 2014 - 9:05am --byron.shade---

REV	AMENDMENTS	DATE	APP'D.
3	AS CONSTRUCTED	05/06/14	TL
2	CONSTRUCTION ISSUE TO CONTRACTOR	27/11/13	TL
1	ISSUED TO COUNCIL FOR FINAL APPROVAL	02/10/13	TL
0	CONSTRUCTION ISSUE	26/08/13	TL
C	ISSUED FOR TENDER	16/07/13	TL
B	ISSUED TO COUNCIL FOR APPROVAL	27/06/13	TL
A	ISSUED TO COUNCIL	28/03/13	TL

Drawn HT Date 10/10/12
Designed BG
Date 10/10/12
AN 161081
Verified RFM
Date 15/07/13
AN 701539
Audited RCM
Date 22/08/13
AN 641516
Approved TL
Date 26/08/13
AN 881861
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.

merrifield
MAB gpc

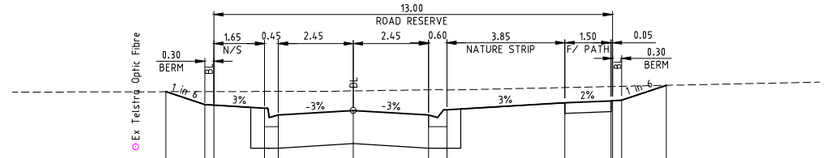
Coords: MGA
Levels: AHD

Hor 1:200 0m 2m 4m 8m 12m
Ver 1:100 0m 1m 2m 4m 6m
Scale @ A1/A3 1:200/1:400

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 1
CROSS SECTIONS
SHEET 4 OF 9
Drawing No. 11721XS04 Rev 3
Sheet No. 23 AS CONSTRUCTED

© Dalton Consulting Engineers Pty Ltd
ABN 78 429 221 049

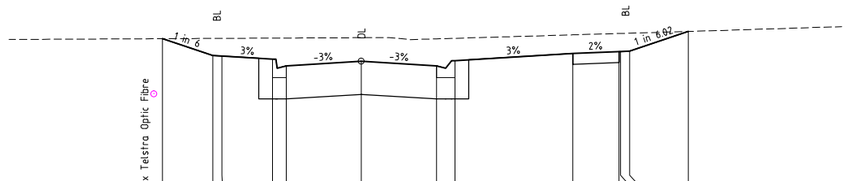
DCE
dalton consulting engineers
255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6866
F 61 3 9888 6880
W www.dceprofile.com
Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4064
Australia
T 61 7 3367 1732
E info@dceprofile.com



DATUM RL246.000

DESIGN SURFACE	247.492	247.481	247.472	247.222	247.112	247.186	247.112	247.197	247.313	247.343	247.344	247.353	247.595
EXISTING SURFACE	247.492	247.484	247.474	247.496	247.497	247.505	247.523	247.519	247.56	247.576	247.577	247.58	247.595
OFFSET	-6.118	-4.850	-4.550	-2.900	-2.450	0.000	2.450	3.050	6.900	8.400	8.450	8.750	10.204

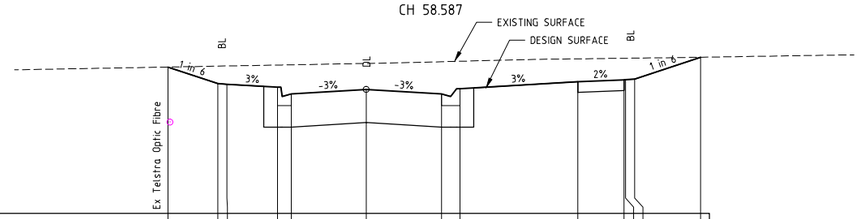
CH 74.589



DATUM RL245.000

DESIGN SURFACE	247.474	247.481	247.472	247.142	247.032	247.106	247.032	247.117	247.233	247.243	247.244	247.253	247.592
EXISTING SURFACE	247.474	247.478	247.479	247.483	247.485	247.491	247.472	247.481	247.537	247.559	247.559	247.564	247.592
OFFSET	-6.630	-4.850	-4.550	-2.900	-2.450	0.000	2.450	3.050	6.900	8.400	8.450	8.750	10.668

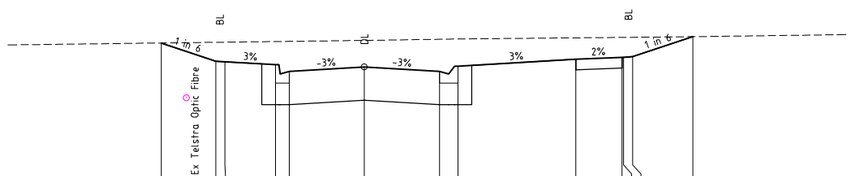
CH 58.587



DATUM RL245.000

DESIGN SURFACE	247.384	247.373	247.104	247.054	246.944	247.018	246.944	247.029	247.145	247.175	247.176	247.185	247.544
EXISTING SURFACE	247.384	247.388	247.401	247.416	247.42	247.442	247.47	247.478	247.517	247.527	247.528	247.529	247.544
OFFSET	-6.474	-4.850	-4.550	-2.900	-2.450	0.000	2.450	3.050	6.900	8.400	8.450	8.750	10.901

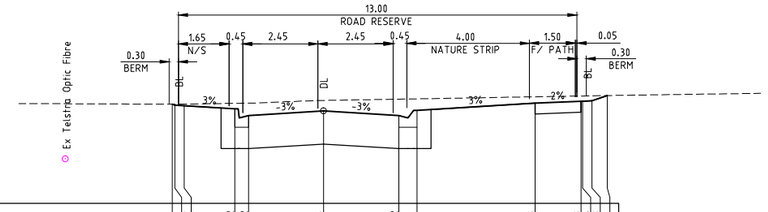
CH 41.025



DATUM RL245.000

DESIGN SURFACE	247.236	246.94	246.931	246.881	246.771	246.845	246.771	246.856	246.972	247.002	247.003	247.012	247.339
EXISTING SURFACE	247.236	247.247	247.249	247.259	247.262	247.278	247.297	247.301	247.32	247.327	247.328	247.329	247.339
OFFSET	-6.628	-4.850	-4.550	-2.900	-2.450	0.000	2.450	3.050	6.900	8.400	8.450	8.750	10.712

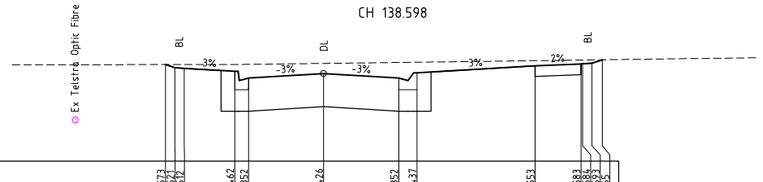
CH 12.158



DATUM RL246.000

DESIGN SURFACE	247.616	247.601	247.592	247.542	247.432	247.506	247.432	247.517	247.633	247.663	247.664	247.673	247.757
EXISTING SURFACE	247.616	247.616	247.617	247.631	247.635	247.678	247.699	247.704	247.737	247.75	247.752	247.753	247.757
OFFSET	-4.941	-4.850	-4.550	-2.900	-2.450	0.000	2.450	3.050	6.900	8.400	8.450	8.750	9.255

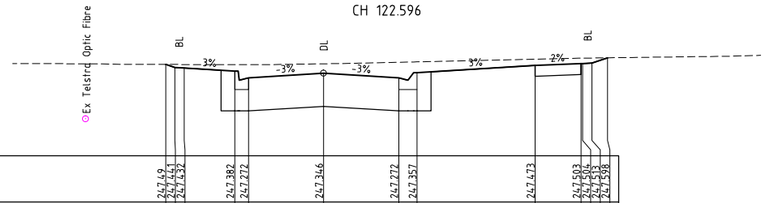
CH 138.598



DATUM RL246.000

DESIGN SURFACE	247.573	247.573	247.562	247.462	247.352	247.426	247.352	247.437	247.553	247.583	247.584	247.593	247.85
EXISTING SURFACE	247.573	247.573	247.573	247.575	247.576	247.591	247.607	247.611	247.636	247.646	247.646	247.648	247.85
OFFSET	-5.161	-4.850	-4.550	-2.900	-2.450	0.000	2.450	3.050	6.900	8.400	8.450	8.750	9.093

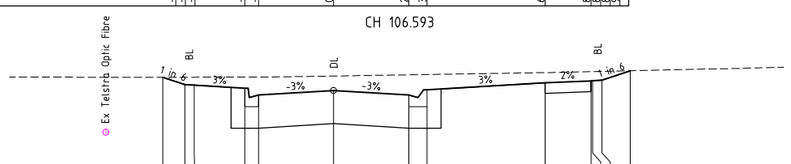
CH 122.596



DATUM RL246.000

DESIGN SURFACE	247.49	247.49	247.482	247.382	247.272	247.346	247.272	247.357	247.473	247.503	247.504	247.513	247.538
EXISTING SURFACE	247.49	247.489	247.489	247.487	247.486	247.501	247.525	247.532	247.576	247.592	247.592	247.594	247.538
OFFSET	-5.166	-4.850	-4.550	-2.900	-2.450	0.000	2.450	3.050	6.900	8.400	8.450	8.750	9.258

CH 106.593



DATUM RL246.000

DESIGN SURFACE	247.481	247.361	247.352	247.302	247.192	247.266	247.192	247.277	247.393	247.423	247.424	247.433	247.587
EXISTING SURFACE	247.481	247.482	247.483	247.485	247.486	247.502	247.521	247.526	247.557	247.573	247.574	247.577	247.587
OFFSET	-5.573	-4.850	-4.550	-2.900	-2.450	0.000	2.450	3.050	6.900	8.400	8.450	8.750	9.675

CH 90.591

NEWMARKET PARADE

Drawing File: G:\Designdata\11700\11721-MERRIFIELD - Precinct 1 - Stage 1\Acad\80\
11721XS01.dwg - 11721XS05
Date/Time: Mon Aug 11, 2014 - 9:05am --byron.shode---

REV	AMENDMENTS	DATE	APP'D.
3	AS CONSTRUCTED	05/06/14	TL
2	CONSTRUCTION ISSUE TO CONTRACTOR	27/11/13	TL
1	ISSUED TO COUNCIL FOR FINAL APPROVAL	02/10/13	TL
0	CONSTRUCTION ISSUE	26/08/13	TL
C	ISSUED FOR TENDER	16/07/13	TL
B	ISSUED TO COUNCIL FOR APPROVAL	27/06/13	TL
A	ISSUED TO COUNCIL	28/03/13	TL

Drawn HT Date 10/10/12
Designed BG
Date 10/10/12
AN 161082
Verified RFM
Date 15/07/13
AN 701540
Audited RCM
Date 22/0813
AN 641517
Approved TL
Date 26/08/13
AN 881862
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.

merrifield
MAB GPC

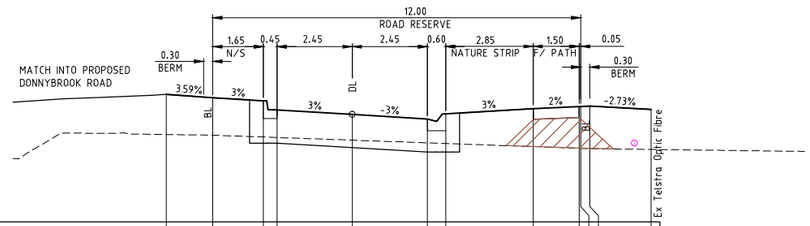
Coords: MGA
Levels: AHD

Hor 1:200 0m 2m 4m 8m 12m
Ver 1:100 0m 1m 2m 4m 6m
Scale @ A1/A3 1:200/1:400

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 1
CROSS SECTIONS
SHEET 5 OF 9
Drawing No. 11721XS05 Rev 3
Sheet No. 24 AS CONSTRUCTED

© Dalton Consulting Engineers Pty Ltd
ABN 78 429 221 049

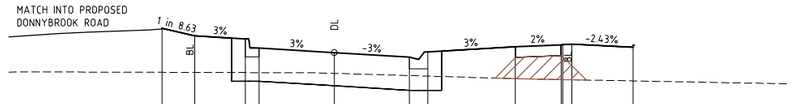
DCE
dalton consulting engineers
255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6866
F 61 3 9888 6880
W www.dceprofile.com
Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4064
Australia
T 61 7 3367 1732
E info@dceprofile.com



DATUM RL247.000

DESIGN SURFACE	249.078	249.024	248.974	248.824	248.751	248.677	248.762	248.848	248.878	248.878	248.888	248.834
EXISTING SURFACE	248.424	248.413	248.386	248.376	248.332	248.288	248.278	248.227	248.2	248.2	248.194	248.181
OFFSET	-6.072	-4.550	-2.900	-2.450	0.000	2.450	3.050	5.900	7.400	7.450	7.750	9.750

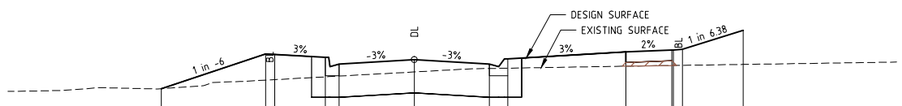
CH 216.730



DATUM RL247.000

DESIGN SURFACE	248.902	248.778	248.729	248.579	248.505	248.432	248.517	248.602	248.632	248.642	248.643	248.594
EXISTING SURFACE	248.184	248.182	248.18	248.179	248.167	248.131	248.122	248.08	248.066	248.063	248.053	248.044
OFFSET	-5.619	-4.550	-2.900	-2.450	0.000	2.450	3.050	5.900	7.400	7.450	7.750	9.750

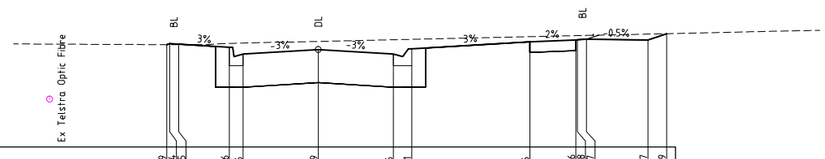
CH 196.735



DATUM RL246.000

DESIGN SURFACE	247.634	248.202	248.144	248.034	248.107	248.034	248.119	248.234	248.264	248.265	248.265	248.585
EXISTING SURFACE	247.634	247.773	247.827	247.839	247.907	247.963	247.968	248	248.012	248.012	248.014	248.029
OFFSET	-8.257	-6.850	-2.900	-2.450	0.000	2.450	3.050	6.900	8.400	8.450	8.750	10.732

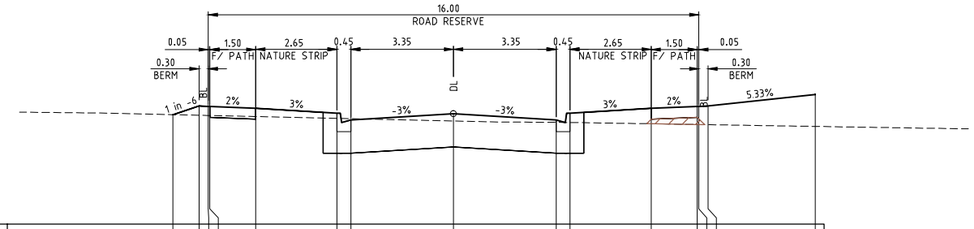
CH 181.375



DATUM RL246.000

DESIGN SURFACE	247.692	247.682	247.676	247.516	247.589	247.516	247.601	247.716	247.746	247.768	247.757	247.747	247.849
EXISTING SURFACE	247.669	247.669	247.69	247.695	247.722	247.749	247.756	247.799	247.816	247.818	247.819	247.842	247.849
OFFSET	-6.341	-4.550	-2.900	-2.450	0.000	2.450	3.050	6.900	8.400	8.450	8.750	10.750	11.361

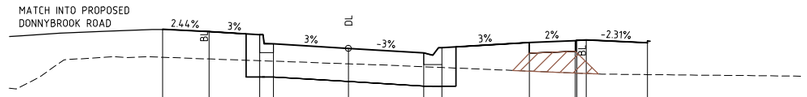
CH 154.600



DATUM RL247.000

DESIGN SURFACE	248.782	248.925	248.976	248.915	248.885	248.805	248.695	248.796	248.695	248.805	248.885	248.915	248.975	248.925	249.111
EXISTING SURFACE	248.782	248.773	248.769	248.763	248.752	248.722	248.717	248.68	248.657	248.655	248.634	248.621	248.621	248.619	248.591
OFFSET	-9.157	-8.300	-8.000	-7.950	-6.450	-3.800	-3.350	0.000	3.350	3.800	6.450	7.950	8.000	8.300	11.797

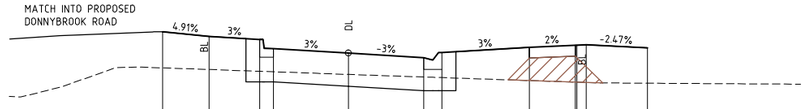
CH 277.037



DATUM RL247.000

DESIGN SURFACE	249.333	249.296	249.247	249.097	249.023	248.95	249.035	249.12	249.15	249.152	249.161	249.114
EXISTING SURFACE	248.878	248.851	248.822	248.815	248.772	248.724	248.712	248.653	248.621	248.612	248.614	248.596
OFFSET	-6.065	-4.550	-2.900	-2.450	0.000	2.450	3.050	5.900	7.400	7.450	7.750	9.750

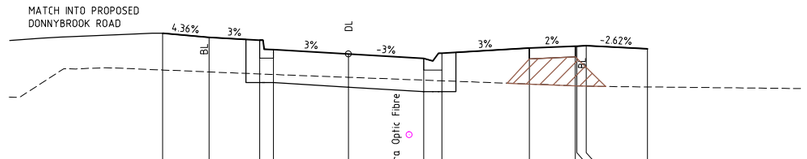
CH 258.780



DATUM RL247.000

DESIGN SURFACE	249.314	249.24	249.191	249.041	248.967	248.894	248.919	249.064	249.094	249.096	249.105	249.055
EXISTING SURFACE	248.728	248.701	248.672	248.664	248.621	248.58	248.569	248.521	248.496	248.495	248.49	248.477
OFFSET	-6.064	-4.550	-2.900	-2.450	0.000	2.450	3.050	5.900	7.400	7.450	7.750	9.750

CH 244.730



DATUM RL247.000

DESIGN SURFACE	249.198	249.132	249.082	248.932	248.859	248.785	248.87	248.956	248.886	248.884	248.896	248.944
EXISTING SURFACE	248.599	248.567	248.533	248.525	248.479	248.434	248.422	248.369	248.342	248.341	248.335	248.322
OFFSET	-6.064	-4.550	-2.900	-2.450	0.000	2.450	3.050	5.900	7.400	7.450	7.750	9.750

CH 230.730

NEWMARKET PARADE

Drawing File: G:\Designdata\11700\11721-MERRIFIELD - Precinct 1 - Stage 1\Acad\R0\11721XS01.dwg - 11721XS06
Date/Time: Mon Aug 11, 2014 - 9:05am --byron.shode--

REV	AMENDMENTS	DATE	APP'D.
3	AS CONSTRUCTED	05/06/14	TL
2	CONSTRUCTION ISSUE TO CONTRACTOR	27/11/13	TL
1	ISSUED TO COUNCIL FOR FINAL APPROVAL	02/10/13	TL
0	CONSTRUCTION ISSUE	26/08/13	TL
C	ISSUED FOR TENDER	16/07/13	TL
B	ISSUED TO COUNCIL FOR APPROVAL	27/06/13	TL
A	ISSUED TO COUNCIL	28/03/13	TL

Drawn HT Date 10/10/12
Designed BG
Date 10/10/12
AN 161083
Verified RFM
Date 15/07/13
AN 701541
Audited RCM
Date 22/0813
AN 641518
Approved TL
Date 26/08/13
AN 881863
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.

LEGEND

CLASS 3 OR SIMILAR APPROVED FILL MATERIAL

merrifield
MAB gpc

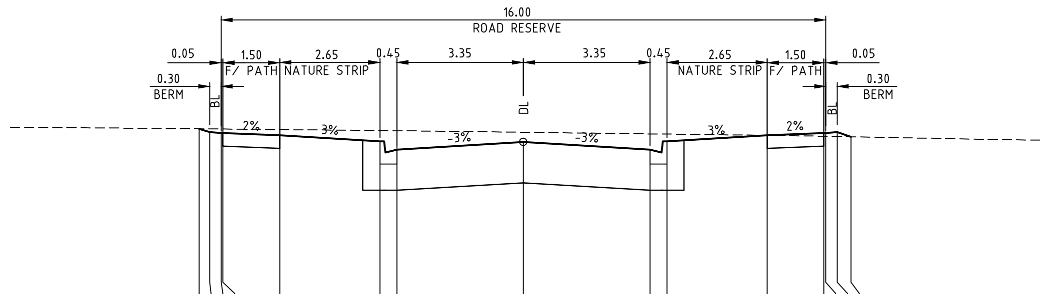
Coords: MGA
Levels: AHD

Hor 1:200 0m 2m 4m 8m 12m
Ver 1:100 0m 1m 2m 4m 6m
Scale @ A1/A3 1:200/1:400

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 1
CROSS SECTIONS
SHEET 6 OF 9
Drawing No. 11721XS06 Rev 3
Sheet No. 25 AS CONSTRUCTED

© Dalton Consulting Engineers Pty Ltd
ABN 78 429 221 049

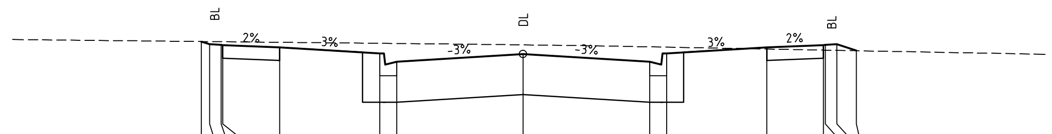
DCE
dalton consulting engineers
255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6866
F 61 3 9888 6880
W www.dceprofile.com
Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4064
Australia
T 61 7 3367 1732
E info@dceprofile.com



DATUM RL246.000

DESIGN SURFACE	248.282	248.236	248.227	248.226	248.196	248.116	248.006	248.107	248.006	248.116	248.196	248.226	248.227	248.236	248.176
EXISTING SURFACE	248.282	248.281	248.279	248.279	248.271	248.258	248.255	248.235	248.214	248.211	248.195	248.182	248.182	248.179	248.176
OFFSET	-8.577	-8.300	-8.000	-7.950	-6.450	-3.800	-3.350	0.000	3.350	3.800	6.450	7.950	8.000	8.300	8.663

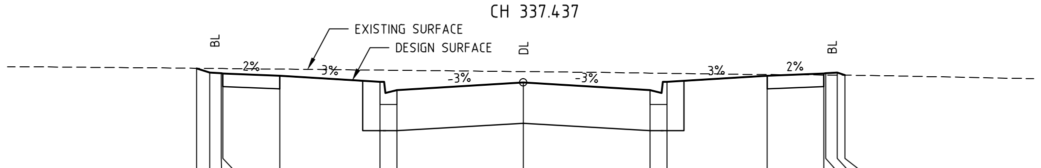
CH 351.437



DATUM RL247.000

DESIGN SURFACE	248.343	248.306	248.297	248.296	248.266	248.186	248.076	248.177	248.076	248.186	248.266	248.296	248.297	248.306	248.22
EXISTING SURFACE	248.343	248.342	248.34	248.34	248.332	248.318	248.316	248.298	248.272	248.267	248.242	248.228	248.228	248.225	248.22
OFFSET	-8.520	-8.300	-8.000	-7.950	-6.450	-3.800	-3.350	0.000	3.350	3.800	6.450	7.950	8.000	8.300	8.815

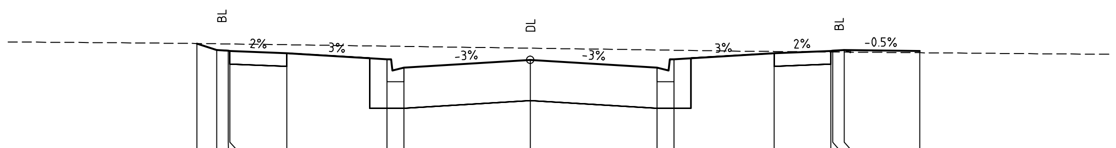
CH 337.437



DATUM RL247.000

DESIGN SURFACE	248.444	248.386	248.377	248.376	248.346	248.266	248.156	248.257	248.156	248.266	248.346	248.376	248.377	248.386	248.352
EXISTING SURFACE	248.444	248.443	248.441	248.441	248.433	248.42	248.417	248.4	248.381	248.377	248.361	248.355	248.354	248.353	248.352
OFFSET	-8.651	-8.300	-8.000	-7.950	-6.450	-3.800	-3.350	0.000	3.350	3.800	6.450	7.950	8.000	8.300	8.502

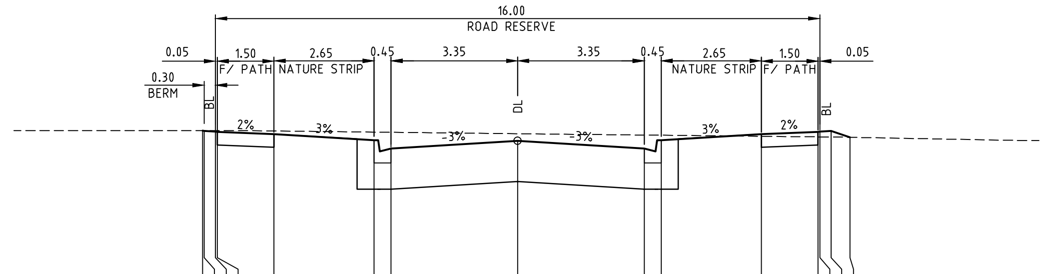
CH 321.437



DATUM RL247.000

DESIGN SURFACE	248.557	248.47	248.461	248.459	248.429	248.35	248.24	248.34	248.24	248.35	248.429	248.459	248.461	248.47	248.46
EXISTING SURFACE	248.557	248.554	248.552	248.551	248.541	248.522	248.519	248.495	248.471	248.468	248.452	248.445	248.445	248.444	248.435
OFFSET	-8.824	-8.300	-8.000	-7.950	-6.450	-3.800	-3.350	0.000	3.350	3.800	6.450	7.950	8.000	8.300	10.300

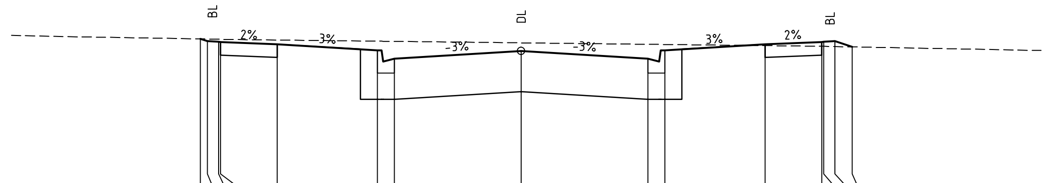
CH 305.437



DATUM RL246.000

DESIGN SURFACE	247.932	247.926	247.917	247.916	247.886	247.806	247.696	247.797	247.696	247.806	247.886	247.916	247.917	247.926	247.843
EXISTING SURFACE	247.932	247.932	247.932	247.932	247.927	247.912	247.909	247.891	247.873	247.871	247.857	247.849	247.848	247.847	247.843
OFFSET	-8.338	-8.300	-8.000	-7.950	-6.450	-3.800	-3.350	0.000	3.350	3.800	6.450	7.950	8.000	8.300	8.796

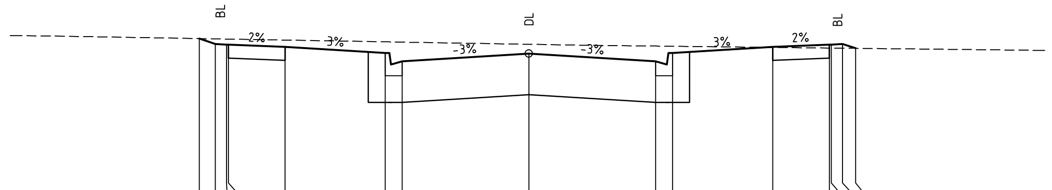
CH 413.437



DATUM RL246.000

DESIGN SURFACE	248.036	248.006	247.997	247.996	247.966	247.886	247.776	247.877	247.776	247.886	247.966	247.996	247.997	248.006	247.931
EXISTING SURFACE	248.036	248.034	248.032	248.031	248.021	248.006	248.003	247.984	247.965	247.962	247.948	247.938	247.938	247.935	247.931
OFFSET	-8.480	-8.300	-8.000	-7.950	-6.450	-3.800	-3.350	0.000	3.350	3.800	6.450	7.950	8.000	8.300	8.753

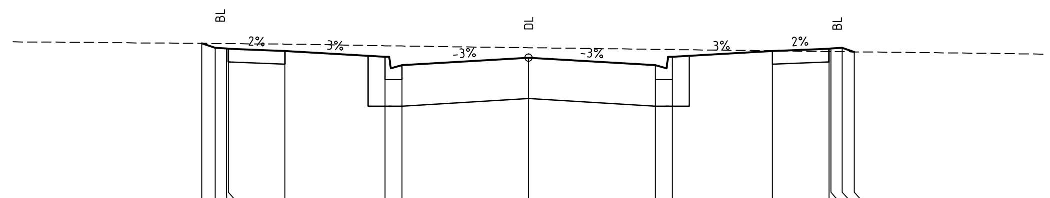
CH 397.437



DATUM RL246.000

DESIGN SURFACE	248.156	248.086	248.077	248.076	248.046	247.966	247.856	247.957	247.856	247.966	248.046	248.076	248.077	248.086	248.028
EXISTING SURFACE	248.156	248.152	248.15	248.149	248.136	248.113	248.11	248.08	248.058	248.055	248.04	248.032	248.032	248.03	248.028
OFFSET	-8.721	-8.300	-8.000	-7.950	-6.450	-3.800	-3.350	0.000	3.350	3.800	6.450	7.950	8.000	8.300	8.648

CH 381.437



DATUM RL246.000

DESIGN SURFACE	248.214	248.156	248.147	248.146	248.116	248.036	247.926	248.027	247.926	248.036	248.116	248.146	248.147	248.156	248.103
EXISTING SURFACE	248.214	248.213	248.212	248.211	248.205	248.184	248.18	248.158	248.137	248.134	248.117	248.107	248.107	248.105	248.103
OFFSET	-8.650	-8.300	-8.000	-7.950	-6.450	-3.800	-3.350	0.000	3.350	3.800	6.450	7.950	8.000	8.300	8.618

CH 367.437

NEWMARKET PARADE

Drawing File: G:\Designdata\11700\11721-MERRIFIELD - Precinct 1 - Stage 1\Acad\RD\11721XS01.dwg - 11721XS07
Date/Time: Mon Aug 11, 2014 - 9:05am --byron.shade--

REV	AMENDMENTS	DATE	APP'D.
3	AS CONSTRUCTED	05/06/14	TL
2	CONSTRUCTION ISSUE TO CONTRACTOR	27/11/13	TL
1	ISSUED TO COUNCIL FOR FINAL APPROVAL	02/10/13	TL
0	CONSTRUCTION ISSUE	26/08/13	TL
C	ISSUED FOR TENDER	16/07/13	TL
B	ISSUED TO COUNCIL FOR APPROVAL	27/06/13	TL
A	ISSUED TO COUNCIL	28/03/13	TL

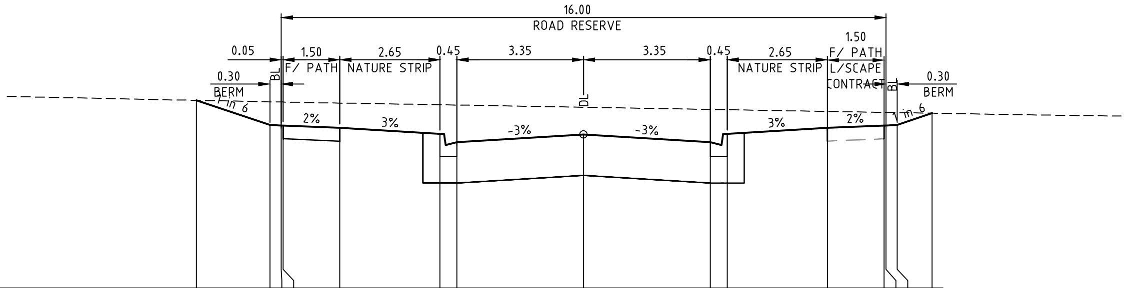
Drawn HT Date 10/10/12
Designed BG
Date 10/10/12
AN 161084
Verified RFM
Date 15/07/13
AN 701542
Audited RCM
Date 22/0813
AN 641519
Approved TL
Date 26/08/13
AN 881864
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.

Coords: MGA
Levels: AHD
Hor 1:200 0m 2m 4m 8m 12m
Ver 1:100 0m 1m 2m 4m 6m
Scale @ A1/A3 1:200/1:400

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 1
CROSS SECTIONS
SHEET 7 OF 9
Drawing No. 11721XS07 Rev 3
Sheet No. 26 AS CONSTRUCTED

© Dalton Consulting Engineers Pty Ltd
ABN 78 429 221 049

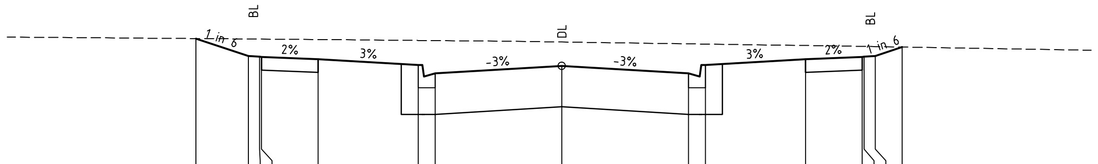
dalton consulting engineers
255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6866
F 61 3 9888 6880
W www.dceprofile.com
Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4064
Australia
T 61 7 3367 1732
E info@dceprofile.com



DATUM RL245.000

DESIGN SURFACE	247.489	247.164	247.155	247.154	247.124	247.044	246.934	247.035	246.934	247.044	247.124	247.154	247.155	247.164	247.318
EXISTING SURFACE	247.489	247.469	247.466	247.465	247.452	247.43	247.426	247.397	247.368	247.364	247.342	247.329	247.328	247.326	247.318
OFFSET	-10.247	-8.300	-8.000	-7.950	-6.450	-3.800	-3.350	0.000	3.350	3.800	6.450	7.950	8.000	8.300	9.221

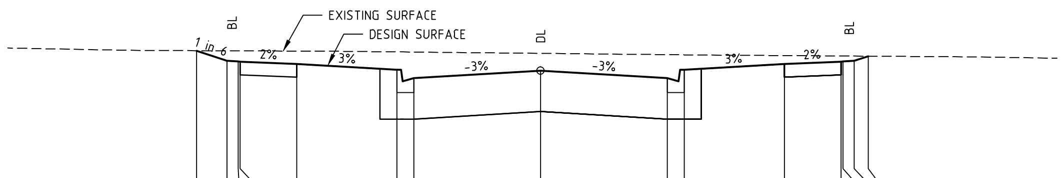
CH 490.773



DATUM RL246.000

DESIGN SURFACE	247.71	247.479	247.47	247.469	247.439	247.359	247.249	247.35	247.249	247.359	247.439	247.469	247.47	247.479	247.598
EXISTING SURFACE	247.71	247.704	247.703	247.703	247.697	247.685	247.683	247.664	247.64	247.637	247.618	247.607	247.606	247.604	247.598
OFFSET	-9.682	-8.300	-8.000	-7.950	-6.450	-3.800	-3.350	0.000	3.350	3.800	6.450	7.950	8.000	8.300	9.011

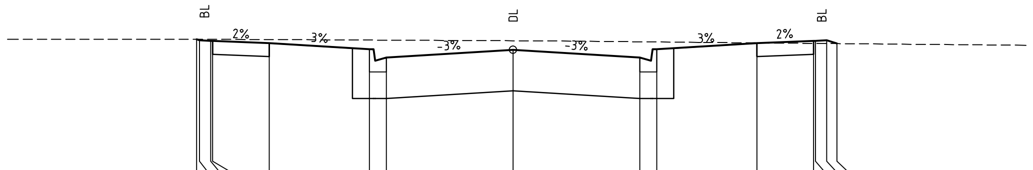
CH 466.873



DATUM RL246.000

DESIGN SURFACE	247.805	247.672	247.663	247.661	247.631	247.552	247.442	247.542	247.442	247.552	247.631	247.661	247.663	247.672	247.733
EXISTING SURFACE	247.805	247.804	247.803	247.803	247.801	247.79	247.787	247.77	247.753	247.751	247.741	247.736	247.735	247.734	247.733
OFFSET	-9.100	-8.300	-8.000	-7.950	-6.450	-3.800	-3.350	0.000	3.350	3.800	6.450	7.950	8.000	8.300	8.667

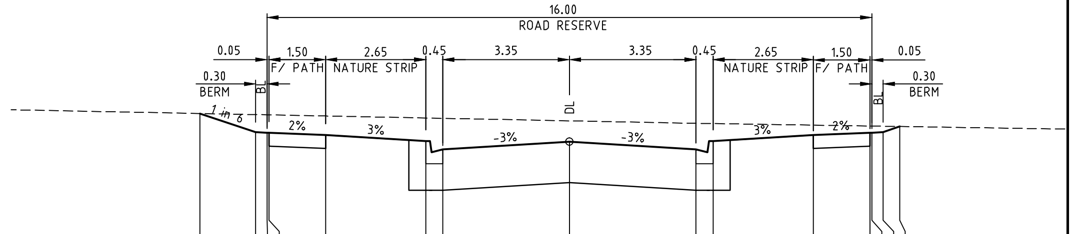
CH 449.676



DATUM RL246.000

DESIGN SURFACE	247.863	247.851	247.842	247.84	247.81	247.731	247.621	247.721	247.621	247.731	247.81	247.84	247.842	247.851	247.806
EXISTING SURFACE	247.863	247.863	247.863	247.863	247.859	247.853	247.852	247.844	247.83	247.828	247.815	247.809	247.809	247.807	247.806
OFFSET	-8.375	-8.300	-8.000	-7.950	-6.450	-3.800	-3.350	0.000	3.350	3.800	6.450	7.950	8.000	8.300	8.570

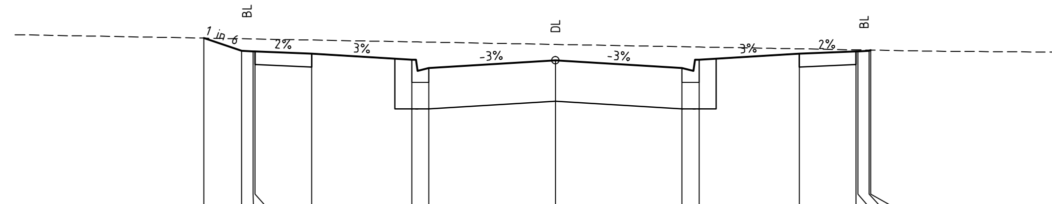
CH 428.442



DATUM RL246.000

DESIGN SURFACE	247.664	247.419	247.41	247.408	247.378	247.299	247.189	247.289	247.189	247.299	247.378	247.408	247.41	247.419	247.492
EXISTING SURFACE	247.664	247.65	247.647	247.646	247.631	247.605	247.6	247.567	247.534	247.531	247.51	247.498	247.498	247.496	247.492
OFFSET	-9.774	-8.300	-8.000	-7.950	-6.450	-3.800	-3.350	0.000	3.350	3.800	6.450	7.950	8.000	8.300	8.741

CH 559.943

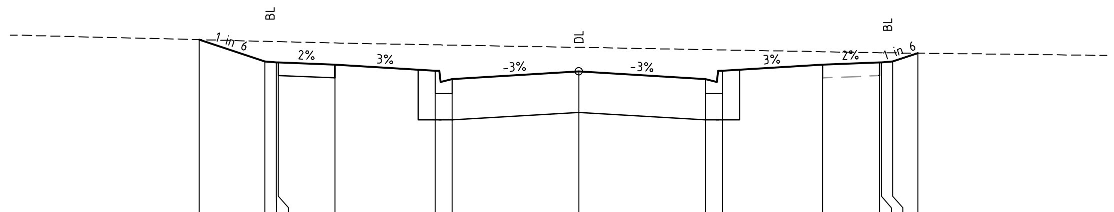


DATUM RL245.000

DESIGN SURFACE	247.32	247.153	247.144	247.142	247.112	247.033	246.923	247.023	246.923	247.033	247.112	247.142	247.144	247.153	247.16
EXISTING SURFACE	247.32	247.31	247.308	247.307	247.294	247.27	247.266	247.236	247.205	247.201	247.177	247.164	247.164	247.161	247.16
OFFSET	-9.299	-8.300	-8.000	-7.950	-6.450	-3.800	-3.350	0.000	3.350	3.800	6.450	7.950	8.000	8.300	8.345

CH 528.643

KINKORA AVENUE



DATUM RL245.000

DESIGN SURFACE	247.316	247.026	247.017	247.016	246.986	246.906	246.796	246.897	246.796	246.906	246.986	247.016	247.017	247.026	247.137
EXISTING SURFACE	247.316	247.294	247.29	247.29	247.272	247.248	247.244	247.214	247.184	247.18	247.157	247.143	247.143	247.141	247.137
OFFSET	-10.036	-8.300	-8.000	-7.950	-6.450	-3.800	-3.350	0.000	3.350	3.800	6.450	7.950	8.000	8.300	8.967

CH 508.808

NEWMARKET PARADE

Drawing File: G:\Designdata\11700\11721-MERRIFIELD - Precinct 1 - Stage 1\Acad\RD\11721XS01.dwg - 11721XS08
Date/Time: Mon Aug 11, 2014 - 9:05am --byron.shade--

REV	AMENDMENTS	DATE	APP'D.
4	AS CONSTRUCTED	05/06/14	TL
3	CONSTRUCTION ISSUE TO CONTRACTOR	27/11/13	TL
2	RES. FPATH TRANSFERED TO LANDSCAPE CONTRACT	25/11/13	TL
1	ISSUED TO COUNCIL FOR FINAL APPROVAL	02/10/13	TL
0	CONSTRUCTION ISSUE	26/08/13	TL
C	ISSUED FOR TENDER	16/07/13	TL
B	ISSUED TO COUNCIL FOR APPROVAL	27/06/13	TL
A	ISSUED TO COUNCIL	28/03/13	TL

Drawn HT Date 10/10/12
Designed BG
Date 10/10/12
AN 161085
Verified RFM
Date 15/07/13
AN 701543
Audited RCM
Date 22/0813
AN 641520
Approved TL
Date 26/08/13
AN 881865
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.

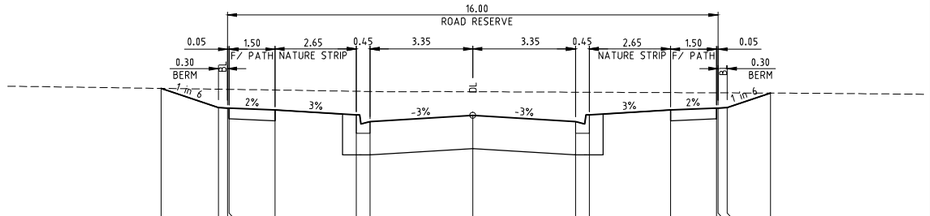
Coords: MGA
Levels: AHD
Hor 1:200 0m 2m 4m 8m 12m
Ver 1:100 0m 1m 2m 4m 6m
Scale @ A1/A3 1:200/1:400

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 1
CROSS SECTIONS
SHEET 8 OF 9
Drawing No. 11721XS08 Rev 4
Sheet No. 27 AS CONSTRUCTED

© Dalton Consulting Engineers Pty Ltd
ABN 78 429 221 049

DCE
dalton consulting engineers
255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6866
F 61 3 9888 6880
W www.dceprofile.com

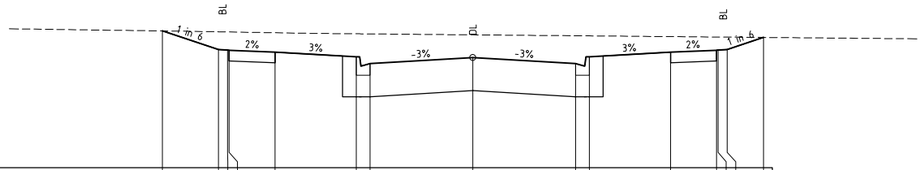
Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4064
Australia
T 61 7 3367 1732
E info@dceprofile.com



DATUM RL246.000

DESIGN SURFACE	248.283	247.971	247.962	247.961	247.931	247.851	247.741	247.842	247.741	247.851	247.931	247.961	247.962	247.971	248.206
EXISTING SURFACE	248.283	248.27	248.267	248.267	248.256	248.236	248.232	248.228	248.221	248.22	248.214	248.21	248.21	248.209	248.206
OFFSET	-10.170	-8.300	-8.000	-7.950	-6.450	-3.800	-3.350	0.000	3.350	3.800	6.450	7.950	8.000	8.300	9.711

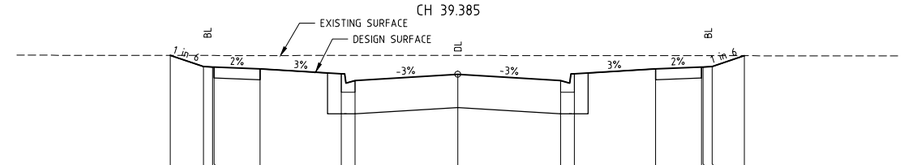
CH 45.212



DATUM RL246.000

DESIGN SURFACE	248.231	247.978	247.977	247.917	247.887	247.808	247.698	247.798	247.698	247.808	247.887	247.917	247.919	247.928	248.125
EXISTING SURFACE	248.231	248.218	248.215	248.215	248.201	248.184	248.182	248.167	248.152	248.15	248.139	248.132	248.132	248.13	248.125
OFFSET	-10.121	-8.300	-8.000	-7.950	-6.450	-3.800	-3.350	0.000	3.350	3.800	6.450	7.950	8.000	8.300	9.484

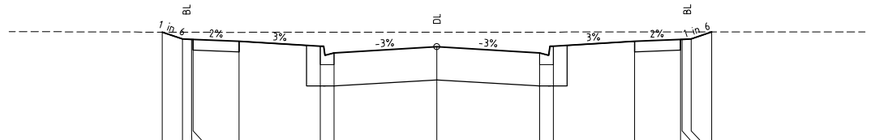
CH 39.385



DATUM RL246.000

DESIGN SURFACE	248.018	247.838	247.837	247.827	247.797	247.718	247.608	247.708	247.608	247.718	247.797	247.827	247.829	247.838	248.013
EXISTING SURFACE	248.018	248.017	248.017	248.017	248.016	248.02	248.019	248.018	248.016	248.016	248.014	248.014	248.014	248.013	248.013
OFFSET	-9.383	-8.300	-8.000	-7.950	-6.450	-3.800	-3.350	0.000	3.350	3.800	6.450	7.950	8.000	8.300	9.351

CH 27.387

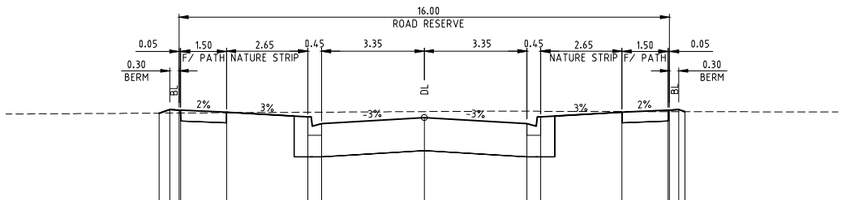


DATUM RL246.000

DESIGN SURFACE	247.858	247.749	247.747	247.739	247.709	247.629	247.519	247.62	247.519	247.629	247.709	247.739	247.747	247.749	248.086
EXISTING SURFACE	247.858	247.857	247.857	247.857	247.854	247.859	247.859	247.859	247.859	247.86	247.86	247.86	247.86	247.86	248.086
OFFSET	-8.955	-8.300	-8.000	-7.950	-6.450	-3.800	-3.350	0.000	3.350	3.800	6.450	7.950	8.000	8.300	9.567

CH 13.337

ROCKLEY ROAD



DATUM RL245.000

DESIGN SURFACE	247.054	247.072	247.103	247.101	247.071	246.992	246.882	246.982	246.882	246.992	247.071	247.101	247.103	247.072	247.078
EXISTING SURFACE	247.054	247.055	247.055	247.055	247.06	247.068	247.069	247.079	247.084	247.084	247.081	247.079	247.079	247.078	247.078
OFFSET	-8.466	-8.300	-8.000	-7.950	-6.450	-3.800	-3.350	0.000	3.350	3.800	6.450	7.950	8.000	8.300	8.501

CH 19.957

YARRADALE BEND

REV	AMENDMENTS	DATE	APP'D.
3	AS CONSTRUCTED	05/06/14	TL
2	CONSTRUCTION ISSUE TO CONTRACTOR	27/11/13	TL
1	ISSUED TO COUNCIL FOR FINAL APPROVAL	02/10/13	TL
0	CONSTRUCTION ISSUE	26/08/13	TL
C	ISSUED FOR TENDER	16/07/13	TL
B	ISSUED TO COUNCIL FOR APPROVAL	27/06/13	TL
A	ISSUED TO COUNCIL	28/03/13	TL

Drawn HT Date 10/10/12
Designed BG
Date 10/10/12
AN 161086
Verified RFM
Date 15/07/13
AN 701544
Audited RCM
Date 22/0813
AN 641521
Approved TL
Date 26/08/13
AN 881866
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.

merrifield
MAB gpc

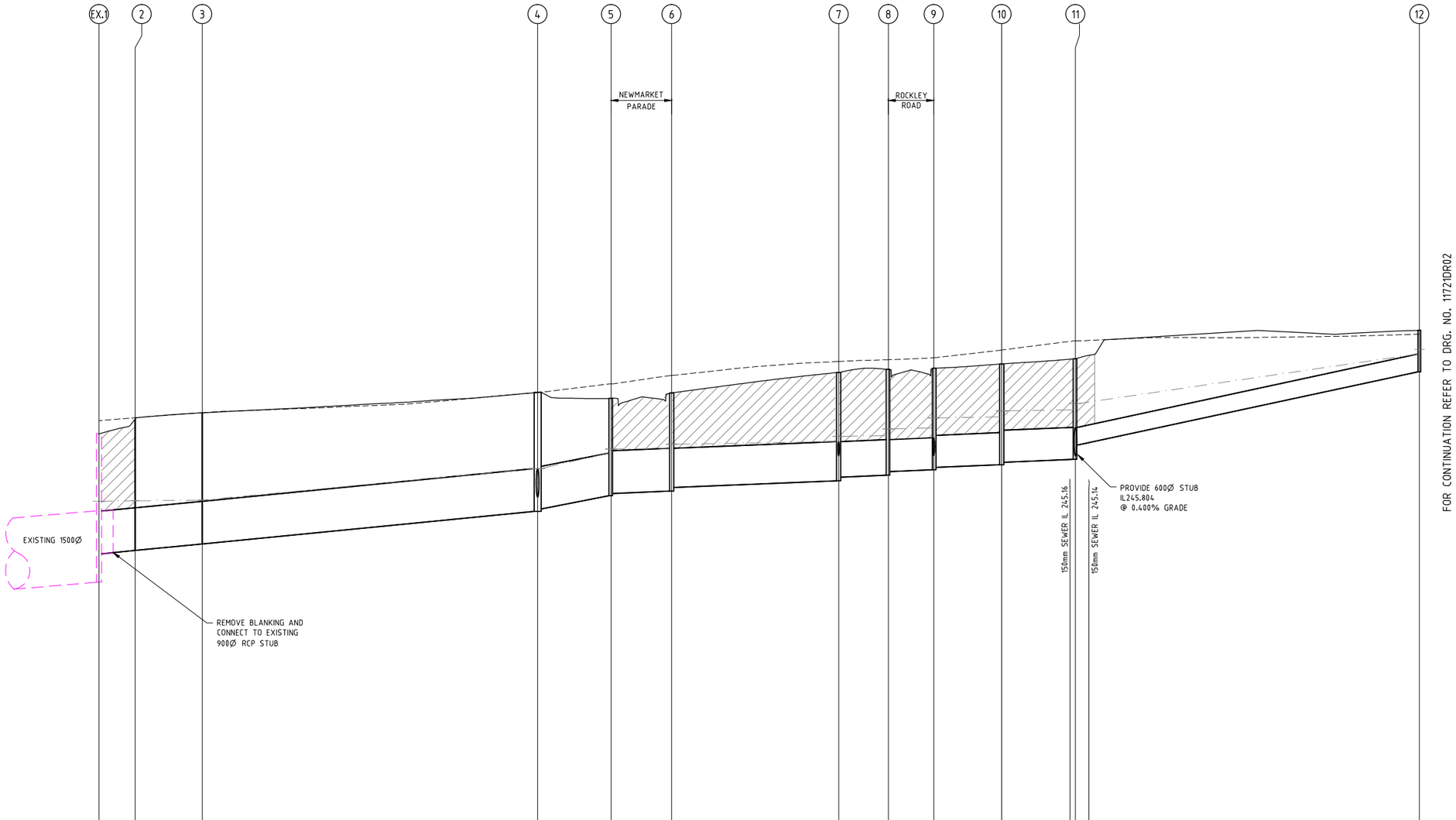
Coords: MGA
Levels: AHD
Hor 1:200 0m 2m 4m 8m 12m
Ver 1:100 0m 1m 2m 4m 6m
Scale @ A1/A3 1:200/1:400

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 1
CROSS SECTIONS
SHEET 9 OF 9
Drawing No. 11721XS09 Rev 3
Sheet No. 28 AS CONSTRUCTED

© Dalton Consulting Engineers Pty Ltd
ABN 78 429 221 049

DCE
dalton consulting engineers
255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6866
F 61 3 9888 6880
W www.dceprofile.com
Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4064
Australia
T 61 7 3367 1732
E info@dceprofile.com

Drawing File: G:\Designdata\11700\11721-MERRIFIELD - Precinct 1 - Stage 1\Acad\RD\
11721XS01.dwg - 11721XS09
Date/Time: Mon Aug 11, 2014 - 9:05am --byron.shade---



VELOCITY (m/s)	3.230	3.323	3.329	3.768	2.187	2.175	2.140	2.117	2.003	2.006	2.687
PIPE GRADE VELOCITY	3.528	3.662	3.649	4.965	2.341	2.209	2.073	1.932	1.932	1.932	3.013
PIPE GRADE %	0.914%	0.954%	0.972%	1.800%	0.400%	0.400%	0.400%	0.400%	0.401%	0.398%	2.130%
PIPE FLOW (m3/s)	0.800	0.803	0.817	0.572	0.573	0.556	0.522	0.515	0.401	0.404	0.108
PIPE CAPACITY AT GRADE	2.244	2.330	2.321	3.159	1.489	1.181	0.916	0.691	0.691	0.691	0.333
PIPE SIZE (mm)	900	900	900	900	900	825	750	675	675	675	375
DATUM	236.000										
DEPTH TO INVERT	3.124 2.524	2.764 2.764	2.762 2.761	2.594 2.454	2.052 2.002	2.065 1.990	2.281 2.206	2.229 2.154	2.137 2.087	2.121 2.071	2.117 1.877	0.874
HYDRAULIC GRADE LINE	244.847	244.856	244.872	245.534	245.862	245.944	245.963	246.046	246.104	246.228	246.370	246.391	246.602	246.622	246.750	246.771	246.901	247.947	248.044
INVERT LEVEL	243.142	243.742	243.812	243.812	243.946	243.946	244.634	244.884	244.962	245.012	245.063	245.138	245.279	245.354	245.396	245.471	245.509	245.559	245.616	245.666	245.725	245.728	246.028	246.080	247.572
DESIGN SURFACE LEVEL	246.266	246.576	246.708	247.138	247.014	247.128	247.559	247.626	247.646	247.738	247.846	248.446
EXISTING SURFACE LEVEL	246.544	246.605	246.712	247.138	247.320	247.493	247.789	247.827	247.866	247.830	248.224	248.364
CHAINAGE	0.000	7.606	7.616	14.136	21.742	70.680	92.421	15.464	107.885	12.778	120.664	35.186	155.850	10.470	166.320	9.563	175.883	14.318	190.202	15.526	205.580	205.728	208.569	72.489	278.217

Drawing File: G:\Designdata\11700\11721-MERRIFIELD - Precinct 1 - Stage 1\acad\R01\11721DR01.dwg - 11721DR01
Date/Time: Mon Aug 11, 2014 - 9:05am --byron.shade---

REV	AMENDMENTS	DATE	APP'D.
3	AS CONSTRUCTED	05/06/14	TL
2	CONSTRUCTION ISSUE TO CONTRACTOR	27/11/13	TL
1	ISSUED TO COUNCIL FOR FINAL APPROVAL	02/10/13	TL
0	CONSTRUCTION ISSUE	26/08/13	TL
C	ISSUED FOR TENDER	16/07/13	TL
B	ISSUED TO COUNCIL FOR APPROVAL	27/06/13	TL
A	ISSUED TO COUNCIL	28/03/13	TL

Drawn HT Date 10/10/12
Designed BG
Date 10/10/12
AN 161087
Verified RFM
Date 15/07/13
AN 701545
Audited RCM
Date 22/0813
AN 641522
Approved TL
Date 26/08/13
AN 881567
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.

LEGEND

DENOTES CRUSHED ROCK BACKFILL

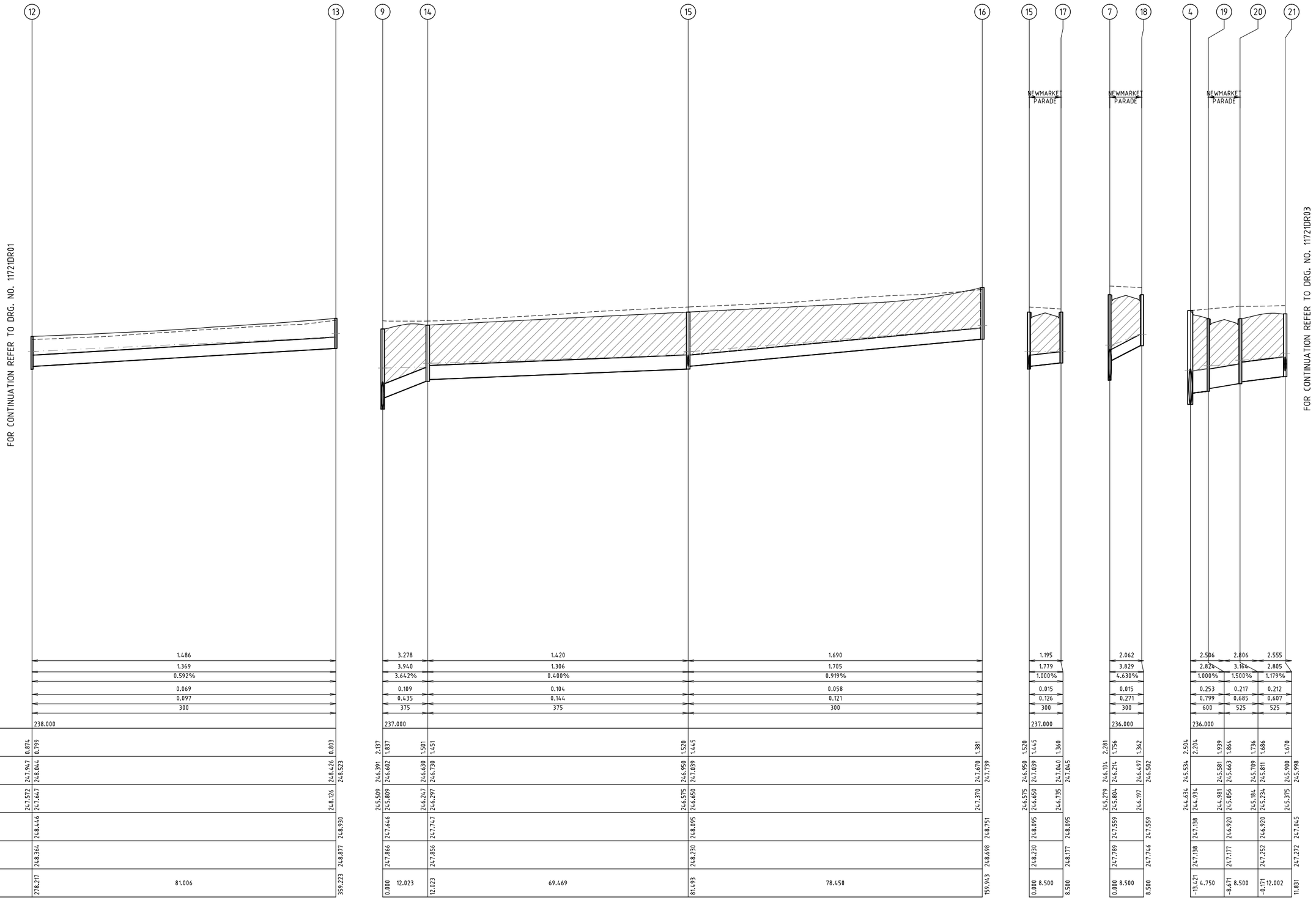
Coords: MGA
Levels: AHD
Hor 1:500 0m 5m 10m 20m 30m
Ver 1:50 0m 0.5m 1m 2m 3m
Scale @ A1/A3 1:500/1:1000

MERRIFIELD DEVELOPMENT

DONNYBROOK ROAD, MICKLEHAM
STAGE 1
DRAINAGE LONGITUDINAL SECTIONS
SHEET 1 OF 6
Drawing No. 11721DR01 Rev 3
Sheet No. 29 AS CONSTRUCTED

© Dalton Consulting Engineers Pty Ltd
ABN 78 429 221 049

DCE
dalton consulting engineers
255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6866
F 61 3 9888 6880
W www.dceprofile.com
Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4064
Australia
T 61 7 3367 1732
E info@dceprofile.com



Drawing File: G:\Designdata\11700\11721-MERRIFIELD - Precinct 1 - Stage 1\Acad\80\11721DR01.dwg - 11721DR02
Date/Time: Mon Aug 11, 2014 - 9:05am --byron.shode---

REV	AMENDMENTS	DATE	APP'D.
3	AS CONSTRUCTED	05/06/14	TL
2	CONSTRUCTION ISSUE TO CONTRACTOR	27/11/13	TL
1	ISSUED TO COUNCIL FOR FINAL APPROVAL	02/10/13	TL
0	CONSTRUCTION ISSUE	26/08/13	TL
C	ISSUED FOR TENDER	16/07/13	TL
B	ISSUED TO COUNCIL FOR APPROVAL	27/06/13	TL
A	ISSUED TO COUNCIL	28/03/13	TL

Drawn HT Date 10/10/12
Designed BG
Date 10/10/12
AN 161088
Verified RFM
Date 15/07/13
AN 701546
Audited RCM
Date 22/0813
AN 641523
Approved TL
Date 26/08/13
AN 881868
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.

LEGEND

DENOTES CRUSHED ROCK BACKFILL

merrifield

MAB GDC

Coords: MGA
Levels: AHD

Hor 1:500 0m 5m 10m 20m 30m
Ver 1:50 0m 0.5m 1m 2m 3m
Scale @ A1/A3 1:500/1:1000

MERRIFIELD DEVELOPMENT

DONNYBROOK ROAD, MICKLEHAM
STAGE 1
DRAINAGE LONGITUDINAL SECTIONS
SHEET 2 OF 6

Drawing No. 11721DR02 Rev 3

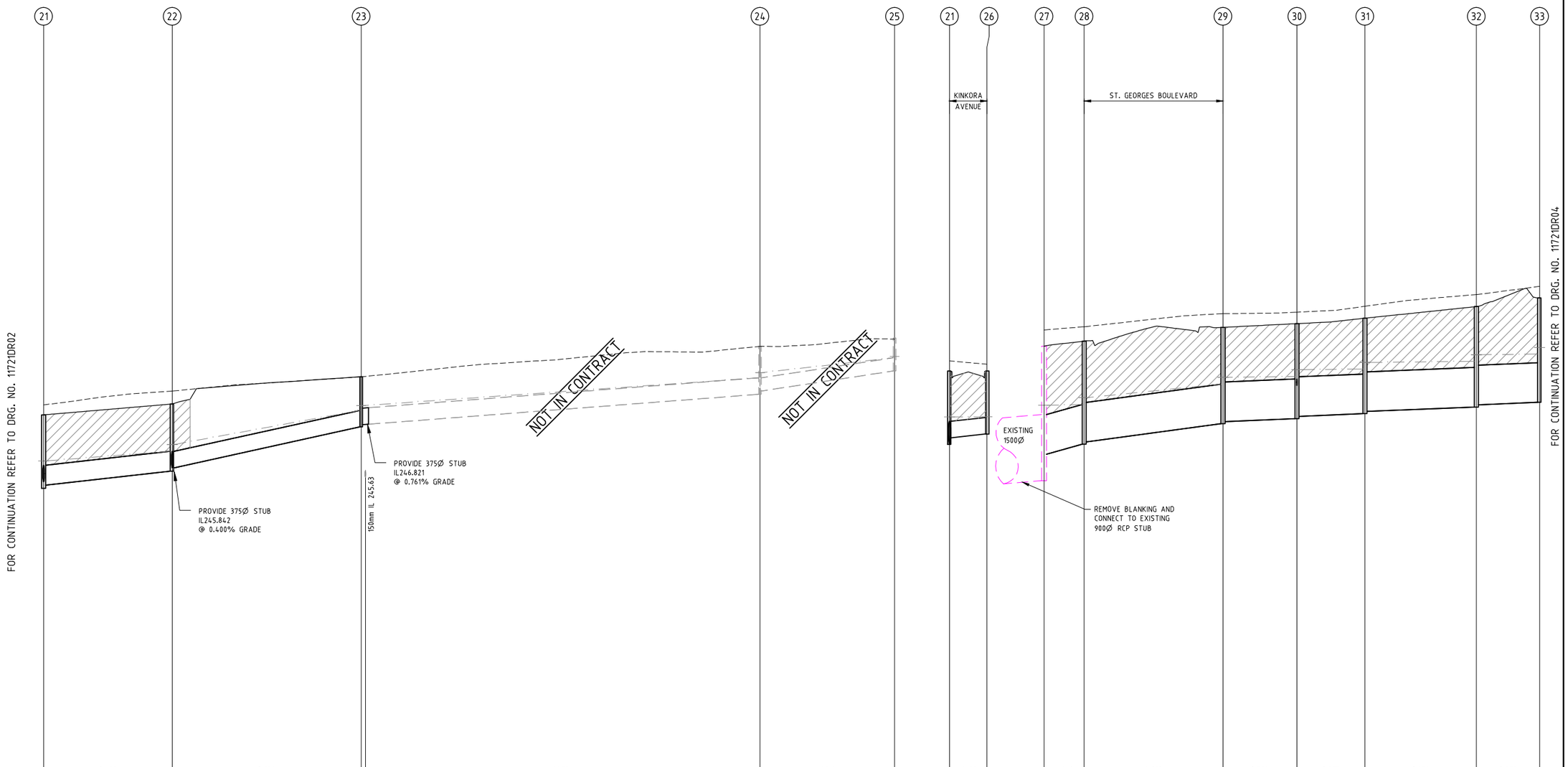
Sheet No. 30 AS CONSTRUCTED

© Dalton Consulting Engineers Pty Ltd
ABN 78 429 221 049

DCE
dalton consulting engineers

255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6866
F 61 3 9888 6880
W www.dceprofile.com

Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4064
Australia
T 61 7 3367 1732
E info@dceprofile.com



VELOCITY (m/s)	2.438		2.739		1.876		1.811		1.187		4.640		3.670		2.369		2.357		2.358		2.358			
PIPE GRADE VELOCITY	2.429		3.038		1.801		2.169		2.065		5.852		4.237		2.341		2.341		2.341		2.341			
PIPE GRADE %	1.086%		2.166%		0.761%		1.486%		1.000%		2.500%		1.311%		0.400%		0.400%		0.399%		0.400%			
PIPE FLOW (m3/s)	0.196		0.113		0.118		0.039		0.016		0.787		0.782		0.783		0.767		0.768		0.768			
PIPE CAPACITY AT GRADE	0.386		0.336		0.199		0.153		0.228		3.723		2.696		1.489		1.489		1.489		1.489			
PIPE SIZE (mm)	450		375		375		300		375		900		900		900		900		900		900			
DATUM	237.000								236.000		234.000													
DEPTH TO INVERT	1.670	1.595	1.526	1.451	1.141	1.091	1.097	1.022	1.670	1.520	1.435	3.616	2.454	2.340	2.290	2.191	2.141	2.157	2.107	2.170	2.120	2.282	2.232	2.372
HYDRAULIC GRADE LINE	245.900	245.998	246.217	246.373	247.148	247.254	247.888	248.004	245.900	245.998	245.999	244.264		244.280	244.436	244.744	244.898	244.977	245.071	245.088	245.236	245.263	245.411	245.427	245.575
INVERT LEVEL	245.375	245.450	245.767	245.842	246.773	246.823	247.513	247.588	245.375	245.525	245.610	241.990	243.152	243.380	243.430	243.844	243.894	243.961	244.011	244.073	244.123	244.224	244.274	244.331	244.704
DESIGN SURFACE LEVEL	247.045	247.045	247.293	247.293	247.914	247.914	248.610	248.610	247.045	247.045	247.045	245.606		245.720		246.034		246.118		246.243		246.506		246.779	246.963
EXISTING SURFACE LEVEL	247.272		247.586		247.910		248.602		247.272		247.195	245.976		246.049		246.345		246.379		246.514		246.779		246.983	
CHAINAGE	11.831	29.250	41.081	42.950	84.031	85.018	90.705	174.736	30.586	205.322	0.000	8.500	8.500	0.000	9.111	9.111	31.570	40.681	16.813	57.493	15.459	72.953	25.338	98.291	14.380	112.671

Drawing File: G:\Designdata\11700\11721-MERRIFIELD - Precinct 1 - Stage 1\Acad\R01\11721DR01.dwg - 11721DR03
Date/Time: Mon Aug 11, 2014 - 9:05am ---byron.shode---

REV	AMENDMENTS	DATE	APP'D.
3	AS CONSTRUCTED	05/06/14	TL
2	CONSTRUCTION ISSUE TO CONTRACTOR	27/11/13	TL
1	ISSUED TO COUNCIL FOR FINAL APPROVAL	02/10/13	TL
0	CONSTRUCTION ISSUE	26/08/13	TL
C	ISSUED FOR TENDER	16/07/13	TL
B	ISSUED TO COUNCIL FOR APPROVAL	27/06/13	TL
A	ISSUED TO COUNCIL	28/03/13	TL

Drawn HT Date 10/10/12
Designed BG
Date 10/10/12
AN 161089
Verified RFM
Date 15/07/13
AN 701547
Audited RCM
Date 22/0813
AN 641524
Approved TL
Date 26/08/13
AN 881869
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.

LEGEND

DENOTES CRUSHED ROCK BACKFILL

merrifield

MAB GPC

Coords: MGA
Levels: AHD

Hor 1:500 0m 5m 10m 20m 30m
Ver 1:50 0m 0.5m 1m 2m 3m
Scale @ A1/A3 1:500/1:1000

MERRIFIELD DEVELOPMENT

DONNYBROOK ROAD, MICKLEHAM
STAGE 1
DRAINAGE LONGITUDINAL SECTIONS
SHEET 3 OF 6

Drawing No. 11721DR03 Rev 3

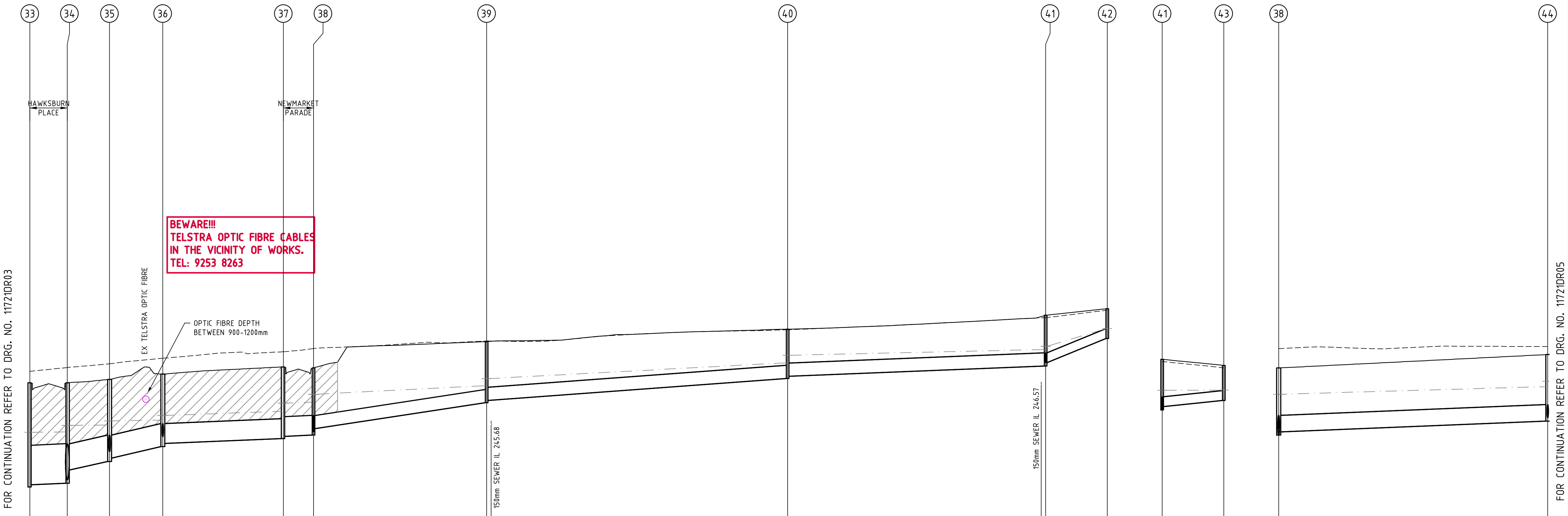
Sheet No. 31 AS CONSTRUCTED

© Dalton Consulting Engineers Pty Ltd
ABN 78 429 221 049

DCE
dalton consulting engineers

255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6866
F 61 3 9888 6880
W www.dceprofile.com

Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4064
Australia
T 61 7 3367 1732
E info@dceprofile.com



	33–34	34–35	35–36	36–37	37–38	38–39	39–40	40–41	41–42	41–43	38–44
VELOCITY (m/s)	2.356	3.289	3.225	1.672	1.668	2.251	1.707	1.234	1.777	1.021	1.462
PIPE GRADE VELOCITY	2.341	4.026	3.805	1.475	1.475	2.177	1.521	1.125	2.904	1.469	1.306
PIPE GRADE %	0.400%	2.032%	2.168%	0.400%	0.400%	1.498%	0.731%	0.400%	3.910%	1.000%	0.400%
PIPE FLOW (m3/s)	0.765	0.268	0.221	0.216	0.211	0.088	0.091	0.060	0.010	0.008	0.121
PIPE CAPACITY AT GRADE	1.489	1.138	0.824	0.235	0.235	0.154	0.108	0.080	0.115	0.058	0.144
PIPE SIZE (mm)	900	600	525	450	450	300	300	300	225	225	375
DATUM	236.000									237.000	236.000

Position	DEPTH TO INVERT	HYDRAULIC GRADE LINE	INVERT LEVEL	DESIGN SURFACE LEVEL	EXISTING SURFACE LEVEL	CHAINAGE
(33)	2.372	245.427	244.331			
(33)	2.322	245.575	244.381	246.704	246.963	112.671
						8.500
(34)	2.288	245.584	244.415			
(34)	1.988	245.732	244.715	246.704	247.050	121.171
						9.609
(35)	1.869	245.742	244.911			
(35)	1.794	245.834	244.986	246.780	247.134	130.780
						12.111
(36)	1.651	245.853	245.248			
(36)	1.576	245.959	245.323	246.899	247.261	142.891
						27.426
(37)	1.631	246.052	245.433			
(37)	1.581	246.239	245.483	247.064	247.408	170.317
						6.850
(38)	1.528	246.262	245.510			
(38)	1.378	246.442	245.660	247.039	247.479	177.167
						39.362
(39)	1.389	246.636	246.250			
(39)	1.339	246.795	246.300	247.639	247.653	216.529
(39)			246.305			217.555
						68.469
(40)	1.122	247.157	246.800			
(40)	1.072	247.328	246.850	247.922	247.908	284.998
						58.677
(41)			247.082			
(41)	1.152	247.459	247.085			342.675
(41)	1.077	247.532	247.160	248.237	248.186	343.675
						14.000
(42)	0.678	247.932	247.707			
(42)		247.939		248.385	248.353	357.675
(41)	1.152	247.459	247.085			
(41)	1.077	247.532	247.160	248.237	248.186	0.000
						14.000
(43)	0.798	247.534	247.300			
(43)		247.538		248.098	248.043	14.000
(38)	1.528	246.262	245.510			
(38)	1.453	246.442	245.585	247.039	247.479	0.000
						61.182
(44)	1.514	246.614	245.830			

Drawing File: G:\Designdata\11700\11721-MERRIFIELD - Precinct 1 - Stage 1\Acad\RD\11721DR01.dwg - 11721DR04
Date/Time: Mon Aug 11, 2014 - 9:05am --byron.shade--

REV	AMENDMENTS	DATE	APP'D.
3	AS CONSTRUCTED	05/06/14	TL
2	CONSTRUCTION ISSUE TO CONTRACTOR	27/11/13	TL
1	ISSUED TO COUNCIL FOR FINAL APPROVAL	02/10/13	TL
0	CONSTRUCTION ISSUE	26/08/13	TL
C	ISSUED FOR TENDER	16/07/13	TL
B	ISSUED TO COUNCIL FOR APPROVAL	27/06/13	TL
A	ISSUED TO COUNCIL	28/03/13	TL

Drawn HT Date 10/10/12
Designed BG
Date 10/10/12
AN 161090
Verified RFM
Date 15/07/13
AN 701548
Audited RCM
Date 22/0813
AN 641525
Approved TL
Date 26/08/13
AN 881870
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.

LEGEND

DENOTES CRUSHED ROCK BACKFILL

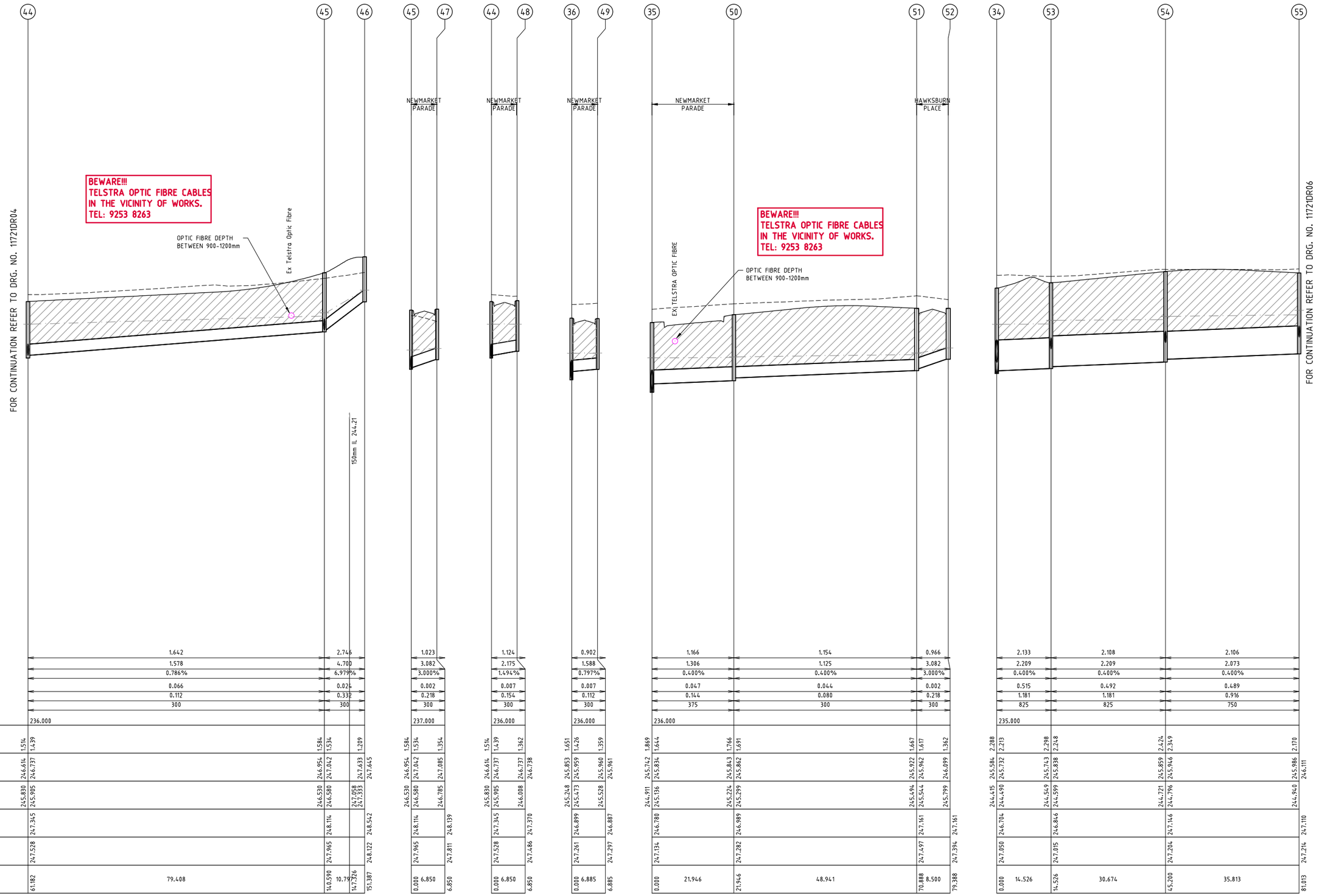
Coords: MGA
Levels: AHD
Hor 1:500 0m 5m 10m 20m 30m
Ver 1:50 0m 0.5m 1m 2m 3m
Scale @ A1/A3 1:500/1:1000

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 1
DRAINAGE LONGITUDINAL SECTIONS
SHEET 4 OF 6

Drawing No. 11721DR04 Rev 3
Sheet No. 32 AS CONSTRUCTED

© Dalton Consulting Engineers Pty Ltd
ABN 78 429 221 049

dalton consulting engineers
255 Whitehorse Road, PO Box 349, Balwyn Victoria 3103, Australia
T 61 3 9888 6866
F 61 3 9888 6880
Suite 17, 46 Douglas Street, PO Box 1178, Milton QLD 4064, Australia
T 61 7 3367 1732
W www.dceprofile.com
E info@dceprofile.com



Drawing File: G:\Designdata\11700\11721-MERRIFIELD - PreiCct 1 - Stage 1\Acad\R01\11721DR01.dwg - 11721DR05
Date/Time: Mon Aug 11, 2014 - 9:06am --byron.shode---

REV	AMENDMENTS	DATE	APP'D.
3	AS CONSTRUCTED	05/06/14	TL
2	CONSTRUCTION ISSUE TO CONTRACTOR	27/11/13	TL
1	ISSUED TO COUNCIL FOR FINAL APPROVAL	02/10/13	TL
0	CONSTRUCTION ISSUE	26/08/13	TL
C	ISSUED FOR TENDER	16/07/13	TL
B	ISSUED TO COUNCIL FOR APPROVAL	27/06/13	TL
A	ISSUED TO COUNCIL	28/03/13	TL

Drawn HT Date 10/10/12
Designed BG
Date 10/10/12
AN 161091
Verified RFM
Date 15/07/13
AN 701549
Audited RCM
Date 22/0813
AN 641526
Approved TL
Date 26/08/13
AN 881871
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.

LEGEND

DENOTES CRUSHED ROCK BACKFILL

merrifield
MAB GDC

Coords: MGA
Levels: AHD
Hor 1:500 0m 5m 10m 20m 30m
Ver 1:50 0m 0.5m 1m 2m 3m
Scale @ A1/A3 1:500/1:1000

MERRIFIELD DEVELOPMENT

DONNYBROOK ROAD, MICKLEHAM
STAGE 1
DRAINAGE LONGITUDINAL SECTIONS
SHEET 5 OF 6

Drawing No. 11721DR05 Rev 3

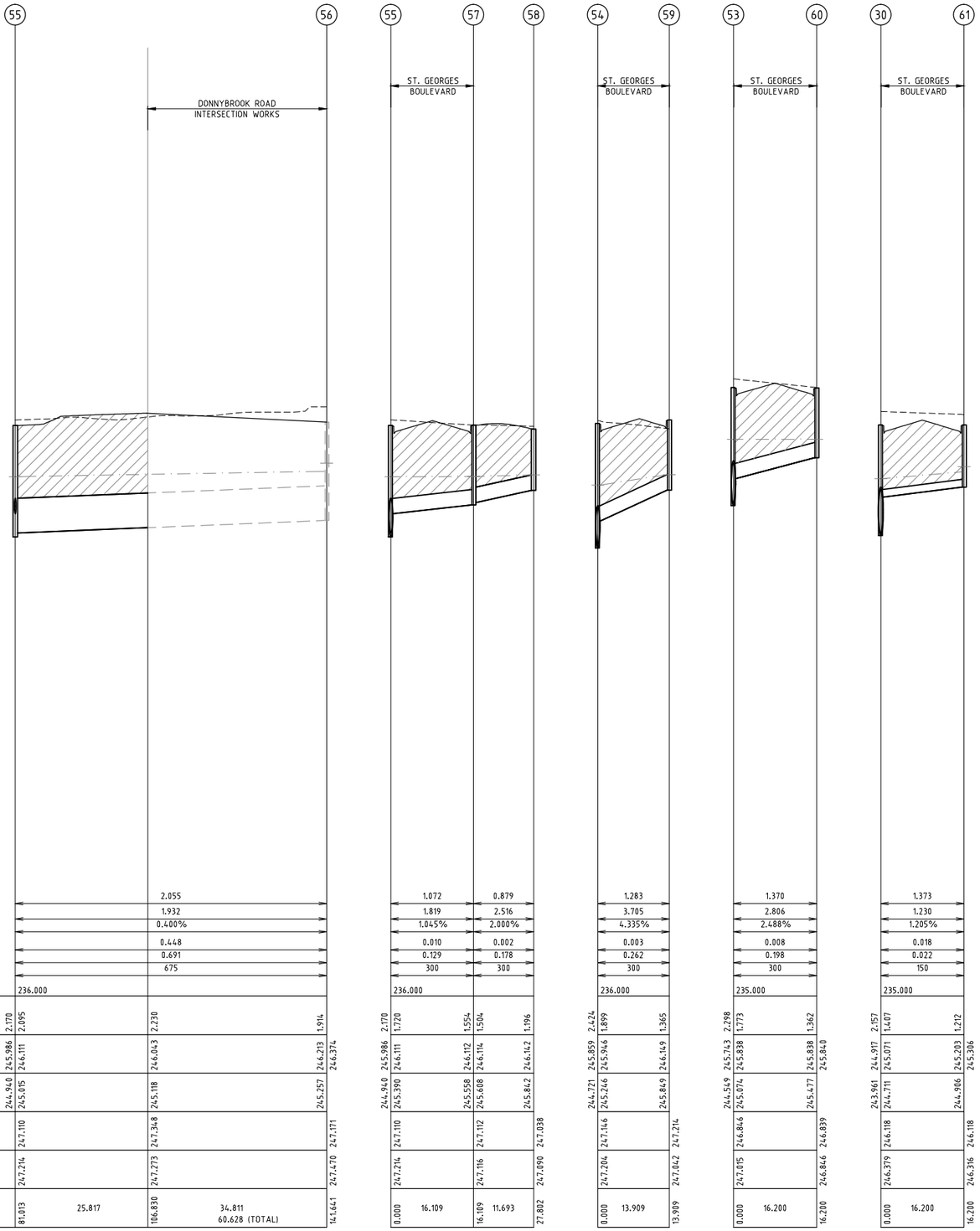
Sheet No. 33 AS CONSTRUCTED

© Dalton Consulting Engineers Pty Ltd
ABN 78 429 221 049

DCE
dalton consulting engineers
255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6866
F 61 3 9888 6880
W www.dceprofile.com
Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4064
Australia
T 61 7 3367 1732
E info@dceprofile.com

FOR WORKS BETWEEN PITS 56-83, 82-90 REFER TO DONNYBROOK ROAD/ ST GEORGES BOULEVARD INTERSECTION PROJECT No. 11701

FOR CONTINUATION REFER TO DRG. NO. 11721DR05



VELOCITY (m/s)			2.055						1.072		0.879				1.283				1.370				1.373	
PIPE GRADE VELOCITY			1.932						1.819		2.516				3.705				2.806				1.230	
PIPE GRADE %			0.400%						1.045%		2.000%				4.335%				2.488%				1.205%	
PIPE FLOW (m3/s)			0.448						0.010		0.002				0.003				0.008				0.018	
PIPE CAPACITY AT GRADE			0.691						0.129		0.178				0.262				0.198				0.022	
PIPE SIZE (mm)			675						300		300				300				300				150	
DATUM	236.000								236.000						236.000				235.000				235.000	
DEPTH TO INVERT	2.178	2.095	2.230				1.914	2.178	1.720		1.554	1.504	1.196	2.424	1.899		1.365	2.298	1.773		1.362	2.157	1.407		1.212
HYDRAULIC GRADE LINE	245.986	246.111	246.043				246.213	246.374	245.986	246.111	246.112	246.114	246.142	245.859	245.946		246.149	245.743	245.838		245.838	244.917	245.071		245.203	245.306
INVERT LEVEL	244.940	245.015	245.118				245.257		244.940	245.390	245.558	245.608	245.842	244.721	245.246		245.849	244.549	245.074		245.477	243.961	244.711		244.986	
DESIGN SURFACE LEVEL	247.110		247.348				247.171		247.110		247.112		247.038		247.146		247.214		246.846		246.839		246.118		246.118	
EXISTING SURFACE LEVEL	247.214		247.273				247.470		247.214		247.116		247.090		247.204		247.042		247.015		246.846		246.379		246.316	
CHAINAGE	81.013	25.817	106.830	34.811 60.628 (TOTAL)			141.641		0.000	16.109	16.109	11.693	27.802	0.000	13.909		13.909	0.000	16.200		16.200	0.000	16.200		16.200	

Drawing File: G:\Designdata\11700\11721-MERRIFIELD - PreiCct 1 - Stage 1\Acad\R0\ 11721DR01.dwg - 117210606
Date/Time: Mon Aug 11, 2014 - 9:06am --byron.shade----

REV	AMENDMENTS	DATE	APP'D.
3	AS CONSTRUCTED	05/06/14	TL
2	CONSTRUCTION ISSUE TO CONTRACTOR	27/11/13	TL
1	ISSUED TO COUNCIL FOR FINAL APPROVAL	02/10/13	TL
0	CONSTRUCTION ISSUE	26/08/13	TL
C	ISSUED FOR TENDER	16/07/13	TL
B	ISSUED TO COUNCIL FOR APPROVAL	27/06/13	TL
A	ISSUED TO COUNCIL	28/03/13	TL

Drawn HT Date 10/10/12
Designed BG
Date 10/10/12
AN 161092
Verified RFM
Date 15/07/13
AN 701550
Audited RCM
Date 22/0813
AN 641527
Approved TL
Date 26/08/13
AN 881872
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.

LEGEND

DENOTES CRUSHED ROCK BACKFILL

merrifield

MAB GPC

Coords: MGA
Levels: AHD

Hor 1:500 0m 5m 10m 20m 30m
Ver 1:50 0m 0.5m 1m 2m 3m
Scale @ A1/A3 1:500/1:1000

MERRIFIELD DEVELOPMENT

DONNYBROOK ROAD, MICKLEHAM
STAGE 1
DRAINAGE LONGITUDINAL SECTIONS
SHEET 6 OF 6

Drawing No. 11721DR06 Rev 3

Sheet No. 34 AS CONSTRUCTED

© Dalton Consulting Engineers Pty Ltd
ABN 78 429 221 049

DCE
dalton consulting engineers

255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6866
F 61 3 9888 6880

Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4064
Australia
T 61 7 3367 1732

W www.dceprofile.com
E info@dceprofile.com

PIT SCHEDULE

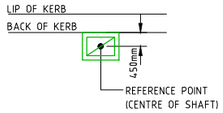
PIT		EASTING	NORTHING	INTERNAL		INLET		OUTLET		PIT		REMARKS
NAME	TYPE			WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	
1	EX	314930.088	5843983.772			900	243.742			246.266	3.124	CONNECT TO EXISTING STUB
2	TP	314923.063	5843980.856			900	243.812	900	243.812	246.576	2.764	
3	TP	314913.329	5843971.108			900	243.946	900	243.946	246.708	2.762	
4	JP	314886.327	5843905.790	(T) 900 (B) 1200	900 1500	900	244.684	900	244.634	247.138	2.504	AS PER HCC SD230 AND VICROADS STD DWG SD1022
						600	244.934					
5	GSEP	314876.341	5843894.065	(T) 600 (B) 1500	900 900	900	245.012	900	244.962	247.014	2.052	HAUNCHED GSEP. REFER TO GAA STD DWG FIG.012 AND VICROADS STD DWG SD1021
6	GSEP	314865.181	5843889.319	(T) 600 (B) 1200	900 1400	825	245.138	900	245.063	247.128	2.065	HAUNCHED GSEP. REFER TO GAA STD DWG FIG.012 AND VICROADS STD DWG SD1022
7	GSEP	314851.739	5843856.802	(T) 600 (B) 1200	900 900	750	245.354	825	245.279	247.559	2.281	HAUNCHED GSEP. REFER TO GAA STD DWG FIG.012 AND VICROADS STD DWG SD1021
						300	245.804					
8	GSEP	314842.853	5843851.621	(T) 600 (B) 1200	900 900	675	245.471	750	245.396	247.624	2.229	HAUNCHED GSEP. REFER TO GAA STD DWG FIG.012 AND VICROADS STD DWG SD1021
9	GSEP	314837.607	5843843.705	(T) 600 (B) 900	900 900	675	245.559	675	245.509	247.646	2.137	HAUNCHED GSEP. REFER TO GAA STD DWG FIG.012 AND VICROADS STD DWG SD1021
						375	245.809					
10	GSEP	314823.397	5843845.463	(T) 600 (B) 900	900 900	675	245.666	675	245.616	247.738	2.121	HAUNCHED GSEP. REFER TO GAA STD DWG FIG.012 AND VICROADS STD DWG SD1021
11	GSEP	314808.496	5843849.559	(T) 600 (B) 900	900 900	375	246.028	675	245.728	247.846	2.117	HAUNCHED GSEP. REFER TO GAA STD DWG FIG.012 AND VICROADS STD DWG SD1021
						600	245.803					
12	JP	314799.554	5843777.634	600	600	300	247.647	375	247.572	248.446	0.874	REFER TO GAA STD DWG FIG.014
13	JP	314789.610	5843697.240	600	600			300	248.126	248.930	0.803	REFER TO GAA STD DWG FIG.014
14	GSEP	314844.821	5843834.418	600	900	375	246.297	375	246.247	247.747	1.501	REFER TO GAA STD DWG FIG.012
15	GSEP	314836.291	5843765.475	600	900	300	246.650	375	246.575	248.095	1.520	REFER TO GAA STD DWG FIG.012
						300	246.650					
16	GSEP	314826.659	5843687.618	600	900			300	247.37	248.751	1.381	REFER TO GAA STD DWG FIG.012
17	GSEP	314844.727	5843764.431	600	900			300	246.735	248.095	1.36	REFER TO GAA STD DWG FIG.012
18	GSEP	314859.594	5843853.554	600	900			300	246.197	247.559	1.362	REFER TO GAA STD DWG FIG.012
19	GSEP	314881.938	5843907.604	600	900	525	245.056	600	244.981	246.920	1.939	REFER TO GAA STD DWG FIG.012
20	GSEP	314874.082	5843910.851	600	900	525	245.234	525	245.184	246.920	1.736	REFER TO GAA STD DWG FIG.012
21	GSEP	314869.583	5843921.693	600	900	450	245.450	525	245.375	247.045	1.67	REFER TO GAA STD DWG FIG.012
						375	245.525					
22	GSEP	314842.552	5843932.867	600	900	375	245.842	450	245.767	247.293	1.526	REFER TO GAA STD DWG FIG.012
						375	245.842					
23	JP	314826.131	5843893.180	600	900	375	246.823	375	246.773	247.914	1.141	REFER TO GAA STD DWG FIG.014
24	JP	314743.765	5843931.104	600	900	300	247.588	375	247.513	248.610	1.097	REFER TO GAA STD DWG FIG.014
						225	247.663					
27	EX	315014.407	5843947.278			900	243.152			245.606	3.054	CONNEC TO EXISTING STUB
28	GSEP	315008.449	5843940.388	(T) 600 (B) 1200	900 900	900	243.430	900	243.380	245.720	2.340	HAUNCHED GSEP. REFER TO GAA STD DWG FIG.013 AND VICROADS STD DWG SD1021
29	GSEP	314982.542	5843922.525	(T) 600 (B) 1200	900 900	900	243.894	900	243.844	246.034	2.191	HAUNCHED GSEP. REFER TO GAA STD DWG FIG.012 AND VICROADS STD DWG SD1021
30	GSEP	314976.119	5843906.988	(T) 600 (B) 1200	900 900	900	244.011	900	243.961	246.118	2.157	HAUNCHED GSEP. REFER TO GAA STD DWG FIG.012 AND VICROADS STD DWG SD1021
						150	244.711					
31	GSEP	314970.213	5843892.701	(T) 600 (B) 1200	900 900	900	244.123	900	244.073	246.243	2.17	HAUNCHED GSEP. REFER TO GAA STD DWG FIG.012 AND VICROADS STD DWG SD1021
32	GSEP	314963.264	5843868.391	(T) 600 (B) 1200	900 900	900	244.274	900	244.224	246.506	2.282	HAUNCHED GSEP. REFER TO GAA STD DWG FIG.012 AND VICROADS STD DWG SD1021
33	GSEP	314954.021	5843857.725	(T) 600 (B) 600	900 1200	900	244.381	900	244.331	246.704	2.372	HAUNCHED GSEP. REFER TO GAA STD DWG FIG.012 AND VICROADS STD DWG SD1021
34	GSEP	314952.977	5843849.290	(T) 600 (B) 900	900 1200	600	244.715	900	244.415	246.704	2.288	HAUNCHED GSEP. REFER TO GAA STD DWG FIG.012 AND VICROADS STD DWG SD1022
						825	244.490					
35	GSEP	314943.441	5843850.470	(T) 600 (B) 900	900 900	525	244.986	600	244.911	246.780	1.869	HAUNCHED GSEP. REFER TO GAA STD DWG FIG.012 AND VICROADS STD DWG SD1021
						375	245.136					
36	GSEP	314934.149	5843843.128	600	900	450	245.323	525	245.248	246.899	1.651	HAUNCHED GSEP. REFER TO GAA STD DWG FIG.012
						300	245.473					
37	GSEP	314931.230	5843815.858	600	900	450	245.483	450	245.433	247.064	1.631	REFER TO GAA STD DWG FIG.012
38	GSEP	314924.419	5843816.587	600	900	300	245.660	450	245.510	247.039	1.528	REFER TO GAA STD DWG FIG.013
						375	245.585					
39	JP	314888.054	5843831.619	600	900	300	246.300	300	246.250	247.639	1.389	REFER TO GAA STD DWG FIG.014
40	JP	314879.649	5843763.679	600	900	300	246.850	300	246.800	247.922	1.122	REFER TO GAA STD DWG FIG.014
41	JP	314872.444	5843705.446	600	900	225	247.160	300	247.085	248.237	1.152	REFER TO GAA STD DWG FIG.014
						225	247.160					
42	JP	314858.550	5843707.165	600	600			225	247.707	248.385	0.678	REFER TO GAA STD DWG FIG.014
43	JP	314886.338	5843703.727	600	600			225	247.300	248.098	0.798	REFER TO GAA STD DWG FIG.014
44	GSEP	314917.908	5843755.752	600	900	300	245.905	375	245.830	247.345	1.514	REFER TO GAA STD DWG FIG.013
						300	245.905					
45	GSEP	314909.457	5843676.795	600	900	300	246.580	300	246.530	248.114	1.584	REFER TO GAA STD DWG FIG.013
						300	246.580					
46	GSEP	314901.850	5843669.432	600	900			300	247.333	248.542	1.209	REFER TO GAA STD DWG FIG.013
47	GSEP	314916.268	5843676.066	600	900			300	246.785	248.139	1.354	REFER TO GAA STD DWG FIG.012
48	GSEP	314924.716	5843754.993	600	900			300	246.008	247.37	1.362	REFER TO GAA STD DWG FIG.012
49	GSEP	314927.648	5843845.344	600	900			300	245.528	246.887	1.359	REFER TO GAA STD DWG FIG.013
50	GSEP	314921.834	5843854.283	600	900	300	245.299	375	245.224	246.989	1.766	REFER TO GAA STD DWG FIG.013

PIT SCHEDULE

PIT		EASTING	NORTHING	INTERNAL		INLET		OUTLET		PIT		REMARKS
NAME	TYPE			WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	
51	GSEP	314876.549	5843872.842			300	245.544	300	245.494	247.161	1.667	REFER TO GAA STD DWG FIG.013
52	GSEP	314879.796	5843880.697					300	245.799	247.161	1.362	REFER TO GAA STD DWG FIG.012
53	GSEP	314959.681	5843836.708	(T) 600 (B) 1200	900 900	825	244.599	825	244.549	246.846	2.298	HAUNCHED GSEP. REFER TO GAA STD DWG FIG.012 AND VICROADS STD DWG SD1021
						300	245.074					
54	GSEP	314956.416	5843806.208	(T) 600 (B) 1200	900 900	750	244.796	825	244.721	247.146	2.424	HAUNCHED GSEP. REFER TO GAA STD DWG FIG.012 AND VICROADS STD DWG SD1021
						300	245.246					
55	GSEP	314952.605	5843770.598	(T) 600 (B) 1200	900 900	675	245.015	750	244.940	247.110	2.17	HAUNCHED GSEP. REFER TO GAA STD DWG FIG.012 AND VICROADS STD DWG SD1021
						300	245.390					
56	FUT	314946.004	5843710.333	600	900			675	245.257	247.171	1.914	FUTURE PIT REFER INTERSECTION WORKS
57	GSEP	314968.620	5843768.871	600	900	300	245.608	300	245.558	247.112	1.554	REFER TO GAA STD DWG FIG.012
58	GSEP	314976.134	5843760.215	600	900			300	245.842	247.038	1.196	REFER TO GAA STD DWG FIG.012
59	GSEP	314970.246	5843804.726	600	900			300	245.849	247.214	1.365	REFER TO GAA STD DWG FIG.012
60	GSEP	314975.789	5843834.984	600	900			300	245.477	246.839	1.362	REFER TO GAA STD DWG FIG.012
61	GSEP	314991.090	5843900.799	600	900			150	244.906	246.118	1.212	REFER TO GAA STD DWG FIG.012

NOTE:
1. EASTING, NORTHING SETOUT TO PIT CENTRE
2. SETOUT LEVEL TO PIT COVER LEVEL

ALL PIT LIDS TO BE IN ACCORDANCE WITH HUME CITY COUNCIL STANDARD DETAILS



PIT SETOUT POINT
SCALE 1:100

FOR PITS 56,82,83,87,88,89,90,
REFER TO DONNYBROOK ROAD/
ST GEORGES BOULEVARD
INTERSECTION PROJECT No. 11701

Drawing File: G:\Designdata\11700\11721-MERRIFIELD - Precinct 1 - Stage 1\Acad\RG\
11721DR03.dwg - 11721DR07
Date/Time: Mon Aug 11, 2014 - 9:06am --byron.shode--

REV	AMENDMENTS	DATE	APP'D.
5	AS CONSTRUCTED	05/06/14	TL

Drawn HT Date 10/10/12
Designed BG
Date 10/10/12
AN 161093
Verified RFM
Date 15/07/13
AN 701551
Audited RCM
Date 22/0813
AN 641528
Approved TL
Date 26/08/13
AN 881873
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.

merrifield
MAB GDC

Coords: MGA
Levels: AHD
Hor 1:500 0m 5m 10m 20m 30m
Ver 1:100 0m 1m 2m 4m 6m
Scale @ A1/A3 1:500/1:1000

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 1
DRAINAGE PIT SCHEDULE

Drawing No. 11721DR07 Rev 5
Sheet No. 35 AS CONSTRUCTED

© Dalton Consulting Engineers Pty Ltd
ABN 78 429 221 049

DCE
dalton consulting engineers
255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6666
F 61 3 9888 6880
W www.dceprofile.com
Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4064
Australia
T 61 7 3367 1732
E info@dceprofile.com

FILL PLAN NOTES

THIS PLAN SHOWS DETAILS OF WORKS AFFECTING THE NATURAL SURFACE OF THE LAND WITHIN THE SUBDIVISION WHICH HAVE BEEN CARRIED OUT OR ARE PROPOSED TO BE CARRIED OUT PRIOR TO REGISTRATION OF THE PLAN OF SUBDIVISION, BEING FILL PLACED ON THE LAND TO THE EXTENT AND DEPTH SHOWN ON THIS PLAN.

THIS PLAN DOES NOT SHOW ANY OTHER FILL WHICH MAY HAVE BEEN PLACED ON THE LAND PRIOR TO THE CIVIL WORKS BEING UNDERTAKEN.

THIS PLAN HAS BEEN PREPARED FOR THE PURPOSE OF CONSTRUCTING SUBDIVISIONAL WORKS AND IS NOT A RECORD OF 'AS BUILT DETAILS'.

FILLING SHOWN LESS THAN 200mm DEEP IS GRADED OR SPREAD OVER ALLOTMENTS TO CORRECT MINOR SURFACE IRREGULARITIES SUCH AS FURROWS ETC AND LOT GRADING.

IRRESPECTIVE OF THE DEPTH OF FILLING FOUNDATIONS MUST BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH A SOIL CLASSIFICATION AND REPORT PREPARED FOR THE PURPOSE AND IN ACCORDANCE WITH THE APPROPRIATE BUILDING REGULATIONS.

THE AREA MARKED THUS ON THIS PLAN INDICATES FILL DEEPER THAN 200mm PLACED ON ALLOTMENTS.

THE EXTENT OF AND DEPTH OF FILL MUST BE CONFIRMED BY A PROPER GEOTECHNICAL INVESTIGATION BY AN EXPERIENCED PRACTITIONER.

REV	AMENDMENTS	DATE	APP'D.
4	AS CONSTRUCTED	05/06/14	TL
3	CONSTRUCTION ISSUE TO CONTRACTOR	27/11/13	TL
2	LIMIT OF WORKS AMENDED	22/10/13	TL
1	ISSUED TO COUNCIL FOR FINAL APPROVAL	02/10/13	TL
0	CONSTRUCTION ISSUE	26/08/13	TL
C	ISSUED FOR TENDER	16/07/13	TL
B	ISSUED TO COUNCIL FOR APPROVAL	27/06/13	TL
A	ISSUED TO COUNCIL	28/03/13	TL

Drawn HT Date 10/10/12
Designed BG
Date 10/10/12
AN 161099
Verified RFM
Date 15/07/13
AN 701557
Audited RCM
Date 22/0813
AN 641529
Approved TL
Date 26/08/13
AN 881874
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.

LEGEND

LIMIT OF WORKS
ES EXISTING SURFACE LEVEL
FS FINISHED SURFACE LEVEL

Coords: MGA
Levels: AHD

Hor 1:500 0m 5m 10m 20m 30m

Scale @ A1/A3 1:500/1:1000

merrifield
MAB gpc

MERRIFIELD DEVELOPMENT

DONNYBROOK ROAD, MICKLEHAM
STAGE 1
FILL PLAN

Drawing No. 11721FP01 Rev 4
Sheet No. 36 AS CONSTRUCTED

© Dalton Consulting Engineers Pty Ltd
ABN 78 429 221 049

DCE
dalton consulting engineers
255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6866
F 61 3 9888 6880
W www.dceprofile.com
Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4064
Australia
T 61 7 3367 1732
E info@dceprofile.com

Drawing File: G:\Designdata\11700\11721-MERRIFIELD - Precinct 1 - Stage 1\Acad\R0\11721FP01.dwg - 11721FP01
Date/Time: Mon Aug 11, 2014 - 9:06am --byron.shade--

PLAN OF SUBDIVISION

Stage No.	LRS use only	Plan Number
/	EDITION	PS 711404L

Location of Land

Parish: MICKLEHAM

Township: –
Section: –
Crown Allotment: –
Crown Portion: 24 (PART)
Title Reference: VOL 11132 FOL 118

Last Plan Reference: LOT 1 TP532490Y

Postal Address: 450 DONNYBROOK ROAD
(at time of subdivision) MICKLEHAM 3064

MGA Co-ordinates (of approx. centre of land in plan) E 314920 N 5844060 Zone: 55

Vesting of Roads and/or Reserves

Identifier	Council/Body/Person
ROAD R1	HUME CITY COUNCIL
RESERVE No.1	HUME CITY COUNCIL
RESERVE No.2	HUME CITY COUNCIL
RESERVE No.3	HUME CITY COUNCIL
RESERVE No.4	HUME CITY COUNCIL

Council Certification and Endorsement

Council Name: HUME CITY COUNCIL Ref:

1. This plan is certified under section 6 of the Subdivision Act 1988.
2. This plan is certified under section 11(7) of the Subdivision Act 1988. Date of original certification under section 6 / /
3. This is a statement of compliance issued under section 21 of the Subdivision Act 1988.

OPEN SPACE

(i) A requirement for public open space under section 18 of the Subdivision Act 1988 has/has not been made.
(ii) The requirement has been satisfied.
(iii) The requirement is to be satisfied in Stage.....

Council Delegate
Council Seal
Date / /

Re-certified under section 11(7) of the Subdivision Act 1988

Council Delegate
Council Seal
Date / /

Notations

Staging This is/is not a staged subdivision
Planning Permit No. ??????

Depth Limitation DOES NOT APPLY

LAND SUBDIVIDED (EXCLUDING LOT A) - 5.040ha

LOTS 1 TO 100 (BOTH INCLUSIVE) HAVE BEEN OMITTED FROM THIS PLAN

Survey This plan is/~~is not~~ based on survey
This survey has been connected to permanent marks no(s) 21, 70
In Proclaimed Survey Area No. 74

THIS IS A SPEAR PLAN

Easement Information

Legend: E – Encumbering Easement, Condition in Crown Grant in the Nature of an Easement or Other Encumbrance
A – Appurtenant Easement
R – Encumbering Easement (Road)

Subject Land	Purpose	Width (metres)	Origin	Land Benefited/In Favour Of
E-1	DRAINAGE	SEE DIAG.	THIS PLAN	HUME CITY COUNCIL
E-1	SEWERAGE	SEE DIAG.	THIS PLAN	YARRA VALLEY WATER LIMITED

LRS use only
Statement of Compliance/ Exemption Statement
Received ☐
Date / /

LRS use only
PLAN REGISTERED
TIME
DATE / /
Assistant Registrar of Titles

Sheet 1 of 4 sheets

DRAFT

MERRIFIELD – 1
38 LOTS AND BALANCE LOT A

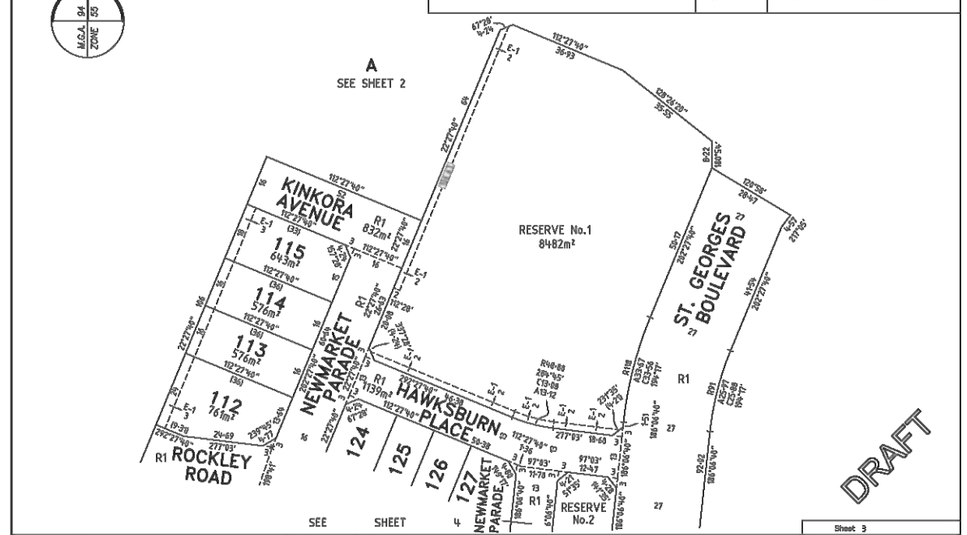
Bosco Jonson Pty Ltd
A.B.N 96 282 532 642
P.O. Box 6075, South Melbourne, Vic 3205
18 Eastern Road South Melbourne
Vic 3205 Australia DX 20524 Emerald Hill
Tel 03) 9699 1400 Fax 03) 9699 5992

LICENSED SURVEYOR (PRINT) GEOFFREY JAMES TURNER
SIGNATURE DIGITALLY SIGNED DATE / /
REF 29005013
DWG 2900501AE 05/03/13 VERSION E

DATE / /
COUNCIL DELEGATE SIGNATURE
Original sheet size A3

PLAN OF SUBDIVISION

Stage No.	Plan Number
/	PS 711404L



DRAFT

MERRIFIELD – 1

Bosco Jonson Pty Ltd
A.B.N 96 282 532 642
P.O. Box 6075, South Melbourne, Vic 3205
18 Eastern Road South Melbourne
Vic 3205 Australia DX 20524 Emerald Hill
Tel 03) 9699 1400 Fax 03) 9699 5992

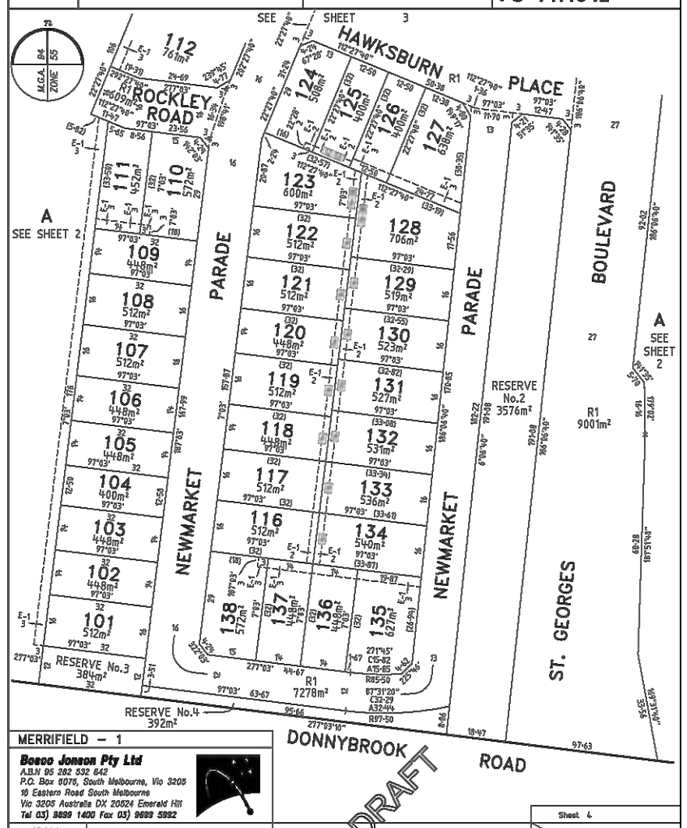
ORIGINAL
SCALE 1:750
SHEET SIZE A3
SCALE 7·5 0 15 30
LENGTHS ARE IN METRES

LICENSED SURVEYOR (PRINT) GEOFFREY JAMES TURNER
SIGNATURE DIGITALLY SIGNED DATE / /
REF 29005013
DWG 2900501AE 05/03/13 VERSION E

Sheet 3
DATE / /
COUNCIL DELEGATE SIGNATURE

PLAN OF SUBDIVISION

Stage No.	Plan Number
/	PS 711404L



DRAFT

MERRIFIELD – 1

Bosco Jonson Pty Ltd
A.B.N 96 282 532 642
P.O. Box 6075, South Melbourne, Vic 3205
18 Eastern Road South Melbourne
Vic 3205 Australia DX 20524 Emerald Hill
Tel 03) 9699 1400 Fax 03) 9699 5992

ORIGINAL
SCALE 1:750
SHEET SIZE A3
SCALE 7·5 0 15 30
LENGTHS ARE IN METRES

LICENSED SURVEYOR (PRINT) GEOFFREY JAMES TURNER
SIGNATURE DIGITALLY SIGNED DATE / /
REF 29005013
DWG 2900501AE 05/03/13 VERSION E

Sheet 4
DATE / /
COUNCIL DELEGATE SIGNATURE
Original sheet size A3

Drawing File: G:\Designdata\11700\11721-MERRIFIELD - Precinct 1 - Stage 1\Acad\60\11721POS01.dwg - 11721POS01
Date/Time: Mon Aug 11, 2014 - 9:06am ---byron.shade---

REV	AMENDMENTS	DATE	APP'D.
3	AS CONSTRUCTED	05/06/14	TL
2	CONSTRUCTION ISSUE TO CONTRACTOR	27/11/13	TL
1	ISSUED TO COUNCIL FOR FINAL APPROVAL	02/10/13	TL
0	CONSTRUCTION ISSUE	26/08/13	TL
C	ISSUED FOR TENDER	16/07/13	TL
B	ISSUED TO COUNCIL FOR APPROVAL	27/06/13	TL
A	ISSUED TO COUNCIL	28/03/13	TL

Drawn HT Date 10/10/12
Designed BG
Date 10/10/12
AN 161100
Verified RFM
Date 15/07/13
AN 701558
Audited RCM
Date 22/0813
AN 641530
Approved TL
Date 26/08/13
AN 881875
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.

merrifield
MAB GDC

Coords: MGA
Levels: AHD

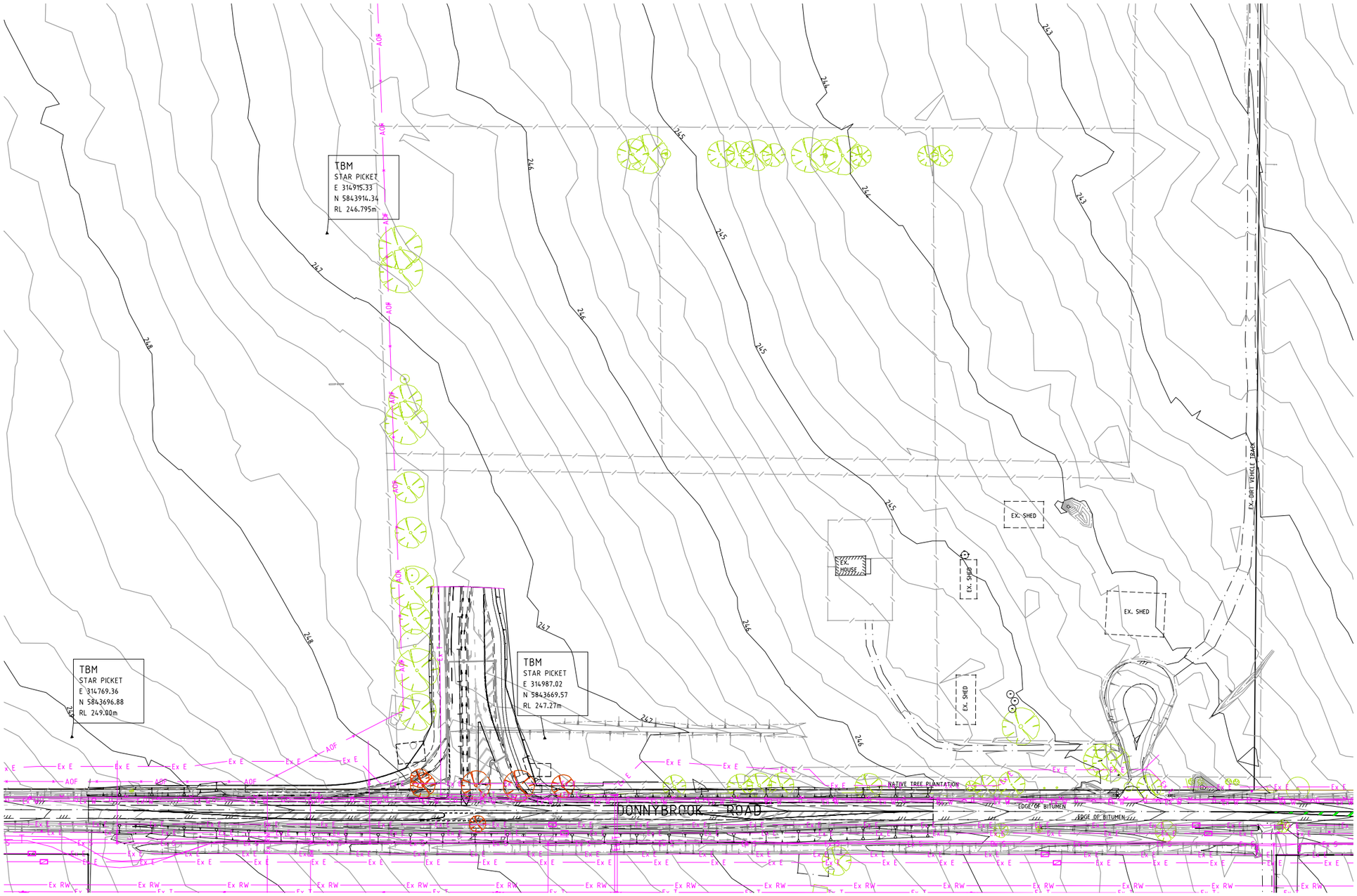
Scale @ A1/A3

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 1
PLAN OF SUBDIVISION

Drawing No. 11721POS01 Rev 3
Sheet No. 37 AS CONSTRUCTED

© Dalton Consulting Engineers Pty Ltd
ABN 78 429 221 049

DCE
dalton consulting engineers
255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6666
F 61 3 9888 6880
W www.dceprofile.com
Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4064
Australia
T 61 7 3367 1732
E info@dceprofile.com



Drawing File: G:\Designdata\11700\11721-MERRIFIELD - Precinct 1 - Stage 1\Acad\EF01\
11721EF01.dwg - 11721EF01
Date/Time: Mon Aug 11, 2014 - 9:06am --byron.shode--

REV	AMENDMENTS	DATE	APP'D.
3	AS CONSTRUCTED	05/06/14	TL
2	CONSTRUCTION ISSUE TO CONTRACTOR	27/11/13	TL
1	ISSUED TO COUNCIL FOR FINAL APPROVAL	02/10/13	TL
0	CONSTRUCTION ISSUE	26/08/13	TL
C	ISSUED FOR TENDER	16/07/13	TL
B	ISSUED TO COUNCIL FOR APPROVAL	27/06/13	TL
A	ISSUED TO COUNCIL	28/03/13	TL

Drawn HT Date 10/10/12
Designed BG
Date 10/10/12
AN 161101
Verified RFM
Date 15/07/13
AN 701559
Audited RCM
Date 22/0813
AN 641531
Approved TL
Date 26/08/13
AN 881876
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.

LEGEND

- EXISTING STAGES
- Ex W — EXISTING DRINKING WATER MAIN
- Ex RW — EXISTING NON DRINKING WATER MAIN
- Ex G — EXISTING GAS MAIN
- Ex E — EXISTING ELECTRICAL CABLE
- Ex S — EXISTING SEWER MAIN & MANHOLE
- Ex T — EXISTING TELECOMM. CABLE AND PIT
- EXISTING TREES
- PREVIOUS STAGE SW DRAIN & PIT

JOB No. 29121
Bosco Jonson Pty Ltd
A.B.N 95 282 532 642
P.O. Box 5075, South Melbourne, Vic 3205
16 Eastern Road South Melbourne
Vic 3205 Australia DX 20524 Emerald Hill
Tel 03) 9699 1400 Fax 03) 9699 5992

Coords: MGA
Levels: AHD

Hor 1:1000 0m 10m 20m 40m 60m

Scale @ A1/A3 1:1000/1:2000

merrifield
MAB GPC

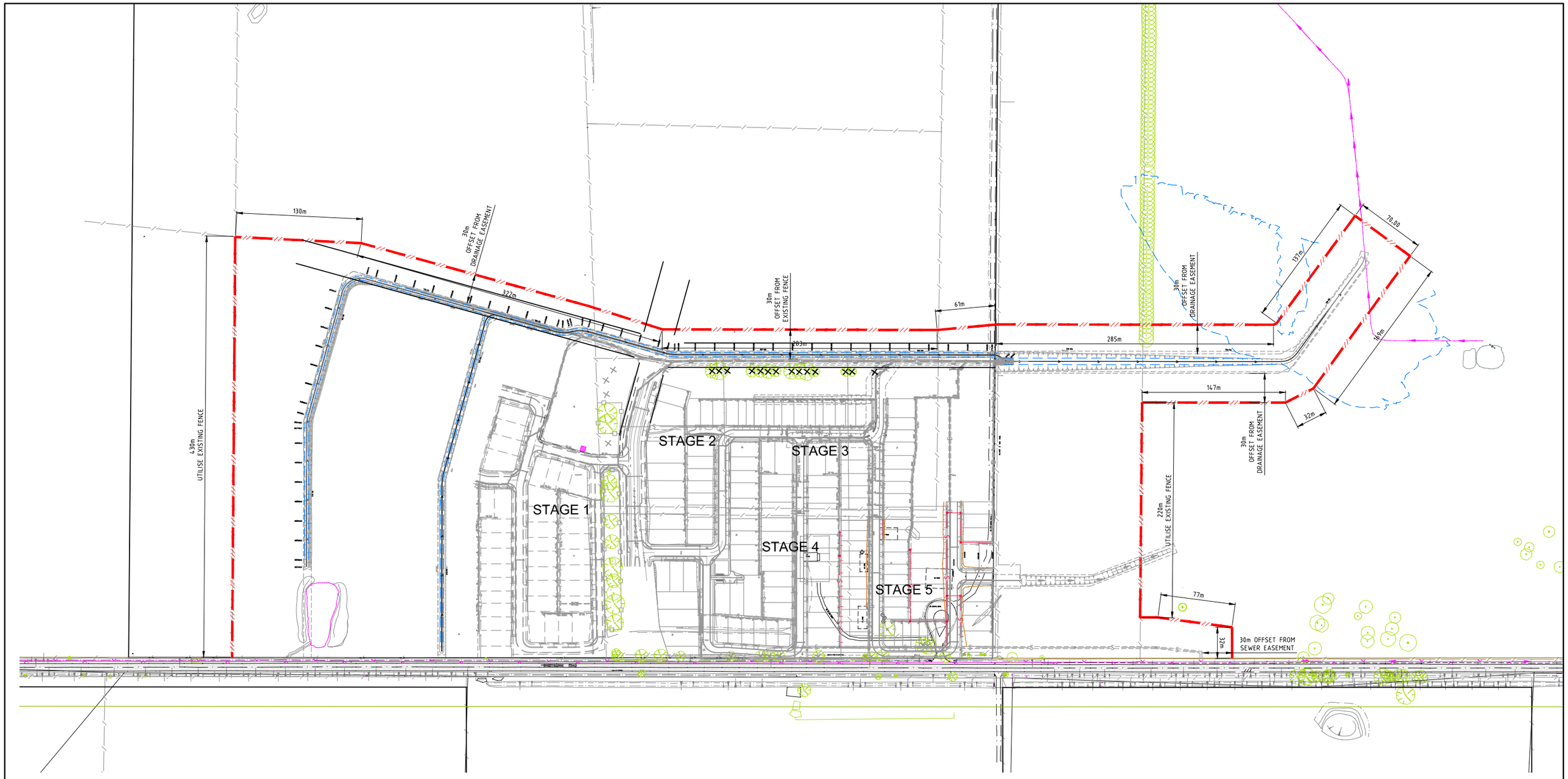
MERRIFIELD DEVELOPMENT

DONNYBROOK ROAD, MICKLEHAM
STAGE 1
EXISTING FEATURES PLAN

Drawing No. 11721EF01 Rev 3
Sheet No. 38 AS CONSTRUCTED

© Dalton Consulting Engineers Pty Ltd
ABN 78 429 221 049

DCE
dalton consulting engineers
255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6866
F 61 3 9888 6880
W www.dceprofile.com
Suite 17
46 Douglas Street
PO Box 1176
Milton QLD 4064
Australia
T 61 7 3367 1732
E info@dceprofile.com



TOTAL LENGTH OF NEW FENCE REQUIRED = 1745m
TOTAL LENGTH OF EXISTING FENCE REQUIRED = 650m

Drawing File: G:\Designdata\11700\11721-MERRIFIELD - Precinct 1 - Stage 1\Acad\80\11721CF01.dwg - 11721CF01
Date/Time: Mon Aug 11, 2014 - 9:06am ---byron.shade---

REV	AMENDMENTS	DATE	APP'D.
3	AS CONSTRUCTED	05/06/14	TL
2	CONSTRUCTION ISSUE TO CONTRACTOR	27/11/13	TL
1	ISSUED TO COUNCIL FOR FINAL APPROVAL	02/10/13	TL
0	CONSTRUCTION ISSUE	26/08/13	TL
A	ISSUED FOR TENDER		TL

Drawn KR Date 25/07/13
Designed KR
Date 25/07/13
AN
Verified
Date
AN
Audited RCM
Date 22/0813
AN 641532
Approved TL
Date 26/08/13
AN 881877
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.

PROPOSED CONSTRUCTION FENCING

Coords: MGA
Levels: AHD
Hor 1:2000 0m 20m 40m 80m 120m
Scale @ A1/A3 1:500/1:1000

merrifield
MAB GPC

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM

CONSTRUCTION FENCING PLAN

Drawing No. 11721CF01 Rev 3
Sheet No. 39 AS CONSTRUCTED

© Dalton Consulting Engineers Pty Ltd
ABN 78 429 221 049

DCE
dalton consulting engineers
255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 8888
F 61 3 9888 8880
E info@dceprofile.com
W www.dceprofile.com