

MERRIFIELD DEVELOPMENT

STAGE 8

DONNYBROOK ROAD, MICKLEHAM

HUME CITY COUNCIL

FOR

merrifield

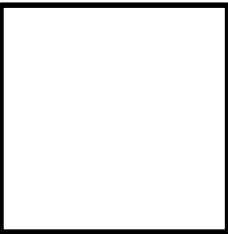


CIVIL DRAWINGS

ROAD AND DRAINAGE

AS CONSTRUCTED

Drawing File: C:\Design\11700\11728-MERRIFIELD - Predict 1 - Stage 8\Acad\11728\11728015.dwg - 11728015
Date/Time: Fri Jul 03, 2015 - 9:51am --Byron Ashde--



SET NUMBER:

Drawing File: C:\desig\mab\11700\11728-MERRIFIELD - Precinct 1 - Stage 8\Acad\VD\11728TD01.dwg - 11728TD01
Date/Time: Fri Jul 03, 2015 - 9:51am --Byron.Shade--

HUME CITY COUNCIL GENERAL NOTES:

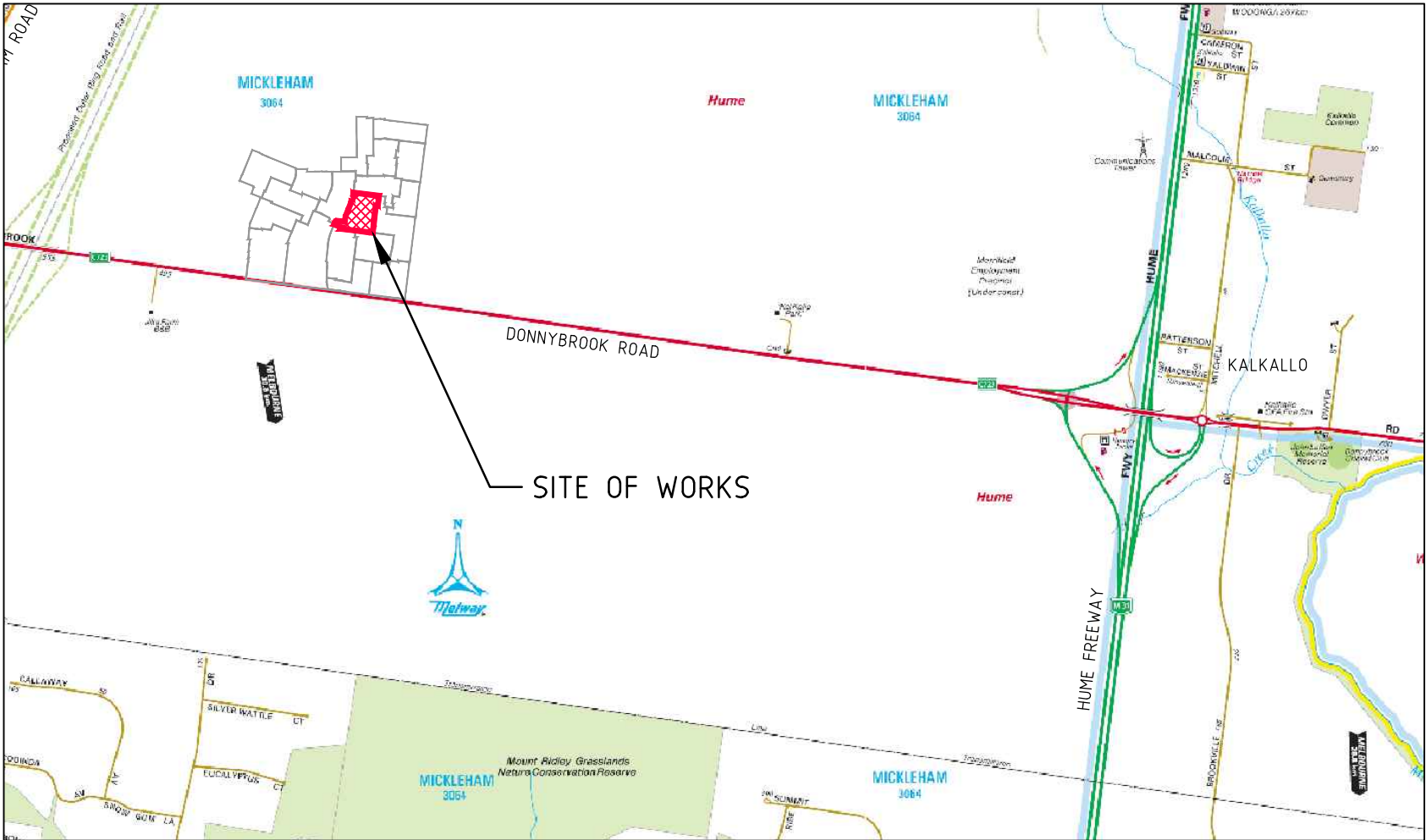
1. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH AS4000 AMENDED GENERAL CONDITIONS OF CONTRACT, THE ROAD & DRAINAGE SPECIFICATION, APPROVED HUME CITY COUNCIL SPECIFICATION AND STANDARD DRAWINGS, AND TO THE SATISFACTION OF THE SUPERINTENDENT AND THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE.
2. COUNCIL TO BE NOTIFIED SEVEN (7) CLEAR WORKING DAYS PRIOR TO THE COMMENCEMENT OF WORKS WITH A PRECOMMENCEMENT MEETING BEING HELD BETWEEN HUME CITY COUNCIL, THE CONSULTANT AND THE CONTRACTOR BEFORE WORKS COMMENCE. A SITE MANAGEMENT PLAN IS TO BE SUBMITTED PRIOR TO COMMENCEMENT OF WORKS AND PRIOR TO AN ONSITE PRECOMMENCEMENT MEETING.
3. PRIOR TO COMMENCEMENT OF THE WORKS, THE CONTRACTOR SHALL PROVIDE THE FOLLOWING INFORMATION:
(A) SOURCE OF QUARRY MATERIAL.
(B) N.A.T.A APPROVED TEST RESULTS FOR THE F.C.R. THAT IS TO BE USED.
(C) IF THE SOURCE OF THE QUARRY MATERIAL IS CHANGED DURING THE COURSE OF THE WORKS, THE NEW TEST RESULTS SHALL BE PROVIDED.
4. PRIOR TO ALL COMMENCEMENT OF WORKS ON SITE, THE CONTRACTOR MUST ENSURE THAT ALL MATTERS RELATING TO THE OCCUPATIONAL HEALTH AND SAFETY ACT 2004, HAVE BEEN AND WILL BE COMPLIED WITH.
5. ON COMMENCEMENT OF CONSTRUCTION WORKS, THE CONTRACTOR MUST COMPLY WITH THE RECOMMENDATIONS OF THE ENVIRONMENTAL PROTECTION AUTHORITY PUBLICATION "CONSTRUCTION TECHNIQUES FOR SEDIMENT POLLUTION CONTROL." APPROPRIATE SILTATION CONTROL IS TO BE MAINTAINED THROUGHOUT THE CONSTRUCTION AND MAINTENANCE PERIOD FOR THE WORKS.
6. THE DISPOSAL SITE FOR SPOIL REMOVAL FROM SITE AND TRUCK ROUTE IS TO BE SUBMITTED TO AND APPROVED BY THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE AS PER THE HOLD POINTS IN THE HUME CITY COUNCIL SPECIFICATIONS IN WRITING PRIOR TO THE COMMENCEMENT OF ANY WORKS.
7. WHERE WORKS ARE IN THE VICINITY OF EXISTING SERVICES, THESE SERVICES ARE TO BE LOCATED AND EXPOSED/PROVED PRIOR TO COMMENCEMENT OF WORKS, AND THE RELEVANT AUTHORITIES NOTIFIED SEVEN (7) CLEAR DAYS PRIOR TO THE COMMENCEMENT OF THE WORKS
8. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
9. ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (AHD).
10. ALL COORDINATES ARE TO MAP GRID OF AUSTRALIA (MGA).
11. THE CONTRACTOR MUST ARRANGE THE REQUISITE INSPECTIONS OF THE WORKS WITH THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE AS PER THE HOLD POINTS IN THE HUME CITY COUNCIL SPECIFICATIONS.
12. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED, AND TOPSOIL REPLACED TO OBTAIN THE FINAL FILL LEVELS SHOWN ON PLAN. FILLING IS TO BE CLEAN CLAY COMPACTED TO A DENSITY NOT LESS THAN 95% OF THE MAXIMUM DRY DENSITY VALUE DETERMINED BY THE STANDARD COMPACTION TEST IN ACCORDANCE WITH AS1289.5.1.1-2003.
13. FILLING TO COMPLY WITH AS3798-2007 LEVEL 1 (OR 2) AS SPECIFIED.
14. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL IMPORTED FILL MATERIAL, INCLUDING TOPSOIL, SATISFIES THE DESCRIPTION FOR CLEAN FILL MATERIAL IN EPA BULLETIN PUBLICATION NO 448 (SEPT '95) AND SUBSEQUENT REVISIONS. THE CONTRACTOR SHALL IF REQUIRED PROVIDE VERIFICATION INCLUDING TEST CERTIFICATES TO THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE.
15. WHERE, AS A CONDITION OF THE PLANNING PERMIT OR AS A RESULT OF THE PRE-CONSTRUCTION MEETING, FENCING OF AREAS CONTAINING TREES, NATIVE GRASSES AND SHRUBS IS REQUIRED, A THREE STRAND STAR PICKET AND WIRE FENCE SHALL BE CONSTRUCTED.
16. NO TREES OR NATIVE VEGETATION IS TO BE DISTURBED OR REMOVED WITHOUT PRIOR APPROVAL FROM COUNCIL SUSTAINABLE ENVIRONMENT DEPARTMENT. ANY TREES REMOVED, VEGETATION OR OTHER MATERIALS ARE NOT TO BE BURNT ON SITE.
17. BEFORE COMMENCING WORK ON TRENCHES IN EXCESS OF 1.5M DEEP, NOTICE OF SUCH PROPOSAL IS TO BE FORWARDED BY THE CONTRACTOR TO WORKSAFE VICTORIA.
18. THE CONTRACTOR IS TO OBTAIN A BUILDING PERMIT FOR ANY STRUCTURE/FENCES AND FOR ANY RETAINING WALLS OVER 1.0M IN HEIGHT.
19. ANY INFRASTRUCTURE DAMAGE DURING THE DEFECTS LIABILITY PERIOD IS THE RESPONSIBILITY OF THE DEVELOPER OR HIS REPRESENTATIVE AND IS TO BE REINSTATED TO THE SATISFACTION OF THE CHIEF EXECUTIVE OFFICER OR HIS REPRESENTATIVE.
20. ALL DISTURBED AREAS, ie, NATURESTRIPS, BATTERS, ALLOTMENTS AND RESERVES, ARE TO BE REINSTATED TO A CLEAN, TIDY CONDITION, TOP DRESSED (100MM LOAMY TOP SOIL FREE OF CLUMPS, SODS AND CLAY LUMPS) AND SOWN WITH GRASS SEED. SEED IS TO BE A DROUGHT TOLERANT COUCH/FESCUE MIX UNLESS OTHERWISE DETAILED. BLEND IS GENERALLY AS FOLLOWS:
40% DWARF TALL FESCUE - DROUGHT TOLERANT CULTIVARS
40% COUCH
20% HARD FESCUE

NOTE: GRASS IS TO BE ESTABLISHED PRIOR TO THE END OF THE MAINTENANCE PERIOD.
21. FOOTPATHS TO BE OFFSET 50mm FROM THE TITLE BOUNDARIES UNLESS NOTED OTHERWISE. VEHICLE CROSSING ALIGNMENTS ARE GENERALLY TO BE PARALLEL TO THE SIDE BOUNDARY.

22. ALL NEW CONCRETE WORKS SHALL BE JOINED INTO ABUTTING EXISTING CONCRETE WITH 450MM LONG Y20 DOWEL BARS @ 600 CENTERS, UNLESS OTHERWISE SPECIFIED.
23. ANY EXPOSED AGGREGATE CONCRETE WORKS TO BE ACHIEVED BY SAND-BLASTING ONLY. WASHING AGGREGATE OFF WITH WATER IS NOT PERMITTED.
24. ALL SERVICE CONDUITS TRENCHES UNDER ROAD PAVEMENTS ARE TO BE BACKFILLED WITH 20MM 3% CEMENT TREATED CLASS 3 CRUSHED ROCK COMPACTED TO A DENSITY NOT LESS THAN 95% OF THE MAXIMUM DRY DENSITY VALUE DETERMINED BY THE MODIFIED COMPACTION TEST IN ACCORDANCE WITH AS1289.5.2.1-2003.
25. ALL STORMWATER DRAINS ARE TO BE CLASS '2' RC OR RIGID FRC PIPES WITH ADOL FLEXIBLE COLLAR UNLESS OTHERWISE SHOWN. ALL RC PIPES UP TO AND INCLUDING 750mm IN DIAMETER SHALL BE RUBBER RING JOINTED (RRJ). INTERLOCKING/FLUSH JOINTS WITH EXTERNAL BANDS CAN ONLY BE USED ON PIPE SIZES OVER 600mm DIA.
26. WHERE NEW ASPHALT, CONCRETE K & C, PATHS AND DRIVEWAYS MATCH INTO EXISTING, THE EXISTING SURFACE IS TO BE SAW CUT AND MATCHED NEATLY.
27. ALL REDUNDANT ASSETS ARE TO BE REMOVED AND DISPOSED OFF SITE.
28. ALL TREES AND SHRUBS ARE TO BE RETAINED UNLESS OTHERWISE SHOWN OR DIRECTED BY THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE.
29. AT THE COMPLETION OF ALL WORKS, ALL RUBBISH DEBRIS AND SURPLUS SPOIL SHALL BE REMOVED AND THE SITE SHALL BE CLEARED TO THE SATISFACTION OF THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE.
30. ALL DRAINS BEHIND KERB AND CHANNEL SHALL BE BACKFILLED TO MATCH PAVEMENT SUBGRADE LEVEL WITH 20mm CLASS 2 F.C.R COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY VALUE DETERMINED BY THE MODIFIED COMPACTION TEST IN ACCORDANCE WITH AS 1289.5.2.1-2003. ALL DRAINS, SEWER, GAS & WATER MAINS LAID THROUGH THE ROAD PAVEMENT (EXCEPT CONDUITS) ARE TO BE BACKFILLED WITH 20mm CLASS 2 F.C.R COMPACTED TO 98%OF THE MAXIMUM DRY DENSITY VALUE DETERMINED BY THE MODIFIED COMPACTION TEST IN ACCORDANCE WITH AS 1289.5.2.1-2003.
31. PAVEMENT DEPTH SPECIFIED IS A MINIMUM DEPTH AND MAY BE VARIED BY THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE. SOFT SPOTS SHALL BE EXCAVATED TO A PROOF ROLLED BASE AND BACKFILLED WITH APPROVED MATERIAL COMPACTED IN 150MM LAYERS TO ACHIEVE TO A DENSITY NOT LESS THAN 95% OF THE MAXIMUM DRY DENSITY VALUE DETERMINED BY THE STANDARD COMPACTION TEST IN ACCORDANCE WITH AS1289.5.1.1-2003.
32. ALL EXISTING ASSETS AFFECTED BY THE WORKS; EG SIGNS, VEHICLE CROSSINGS, FOOTPATHS, KERB AND LINEMARKING SHALL BE REINSTATED BY THE CONTRACTOR PRIOR TO THE COMPLETION OF THE WORKS TO THE SATISFACTION OF THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE.
33. ALL FIRE HYDRANTS ARE TO ME MARKED IN ACCORDANCE WITH "IDENTIFICATION OF STREET HYDRANTS FOR FIREFIGHTING PURPOSES" PUBLICATION (DEVELOPED BY C.F.A, M.F.E.S.B & N.R.E.I). MARKINGS TO BE VIA BLUE PAVEMENT MARKER AND A (RED TOPPED) WHITE POST.
34. AGRICULTURAL DRAINS ARE TO BE PLACED BEHIND ALL KERB AND CHANNEL, KERB ONLY AND EDGE STRIPS IN ACCORDANCE WITH COUNCIL STANDARD DRAWINGS.
35. ALL TABLE DRAINS AND VERGES ARE TO BE REINSTATED UPON COMPLETION OF WORKS TO THE SATISFACTION OF THE CONTRACTOR MUST ARRANGE THE REQUISITE INSPECTIONS OF THE WORKS TO THE SATISFACTION OF THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE.
36. ALL TRAFFIC CONTROL MEASURES, SIGNS AND LINEMARKING SHALL BE IN ACCORDANCE WITH AS1742 - 1, 2 & 3. STREET NAME SIGNS ARE TO BE IN ACCORDANCE WITH STANDARD DRAWING SD408.
37. ALL LINEMARKING PAINT SHALL BE LONG LIFE IN ACCORDANCE WITH SECTION 95C OF THE HUME CITY COUNCIL SPECIFICATIONS. LATERAL WORKS AND ARROWS BEING COLD APPLIED PLASTIC TROWELLED INTO PLACE (MATERIAL DEGADUR PLASTELINE) AND LONGITUDINAL LINES BEING EXTRUDED THERMOPLASTIC MATERIAL.
38. ALL SIGNS TO BE CLASS 1 HIGH INTENSITY TYPE AND COMPLY WITH THE REQUIREMENTS OF AS1743-2001.
39. HOUSE DRAIN CONNECTIONS TO 150mm DIAMETER PIPES TO BE VIA A MANUFACTURED JUNCTION PIECE. 150mm DIAMETER STORMWATER PIPES ARE TO BE HEAVY DUTY SEWER GRADE. PVC SHALL BE BACKFILLED WITH 10mm MINUS F.C.R TO 150mm ABOVE TOP OF PIPE IN ALL LOCATIONS.
40. 100mm HOUSE DRAIN CONNECTIONS TO BE LAID AT AN OFFSET OF 5.0M FROM THE LOW SIDE TITLE BOUNDARY AND PROPERTY INLETS 1.0M FROM THE LOW CORNER OF THE LOT UNLESS OTHERWISE SHOWN.
41. BLASTING GENERALLY IS NOT ENCOURAGED, HOWEVER BLASTING MAY BE REQUIRED AS A LAST RESORT DEPENDING ON GROUND CONDITIONS. COUNCIL IS TO BE NOTIFIED IN WRITING IF ANY BLASTING IS NECESSARY. RESIDENTS LIKELY TO BE AFFECTED BY THE BLASTING AND ALL SERVICE AUTHORITIES SHALL BE NOTIFIED IN WRITING PRIOR TO WORKS COMMENCING. COPIES OF THESE NOTIFICATIONS ARE TO BE SUBMITTED TO COUNCIL. RESIDENT NOTIFICATION LETTER IS TO INCLUDE BLASTING GUIDELINES, FIRING AND MISFIRE PROCEDURES AND CONTRACTORS AND CONSULTANT CONTACT NAMES AND NUMBERS. ALL BLASTING IS TO BE WITHIN THE LIMITS FOR AIR AND GROUND VIBRATION LEVELS AS SET DOWN IN AS1287.2-1993. ALL BLASTS SHALL BE MONITORED FOR AIR AND NOISE VIBRATION AT POTENTIALLY AFFECTED RESIDENCES. "FORM A" FROM AS1287.2-1993, AND WAVE TRACE COPIES ARE TO BE SUBMITTED TO COUNCIL FOR EACH BLAST. BLASTING IS TO BE RESTRICTED TO BETWEEN 9:00AM AND 3:30PM. BLASTING IS NOT TO OCCUR ON WEEKENDS OR PUBLIC HOLIDAYS. BLASTING AREA SIGNS ARE TO BE PLACED AT ALL ENTRANCES TO THE SITE.

GENERAL NOTES:

1. ALL BLOCKS ARE TO SURFACE GRADE WITH A MINIMUM FALL OF 1 IN 150 ALONG THE LOW SIDE BOUNDARY TO THE POINT OF DISCHARGE.
2. ALL BATTERS SHALL BE 1 IN 6, UNLESS OTHERWISE SHOWN.
3. 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.
4. 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.
5. LIP OF ALL KERB RADII ARE 8.60m UNLESS OTHERWISE SHOWN.
6. 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.
7. 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.
8. 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.
9. THE CONTRACTOR IS REQUIRED TO CONFINE CONSTRUCTION VEHICLES TO THE ROAD RESERVE AND EASEMENTS. ANY DAMAGE CAUSED TO ALLOTMENTS MUST BE MADE GOOD.
10. ANY BUILDINGS, TROUGHS, FENCES AND OTHER STRUCTURES ON SITE ARE TO BE REMOVED AS DIRECTED BY THE SUPERINTENDENT. THE COST OF REMOVAL IS TO BE INCLUDED IN THE OVERALL EARTHWORKS FIGURE UNLESS A SPECIFIC ITEM FOR REMOVAL IS DENOTED IN THE SCHEDULE.
11. 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.
12. PROVIDE LAYBACKS IN KERB TO ALL PRAM CROSSINGS IN ACCORDANCE WITH COUNCIL STANDARDS.
13. ASPHALT FILLETS/RAMPS ARE TO BE PROVIDED ON THE BASE COURSE ASPHALT TO REMOVE TRIPS AT ALL PEDESTRIAN CROSSING LOCATIONS.
14. ALL TEMPORARY WARNING SIGNS USED DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH AS 1742-3.
15. ALL EASEMENTS ARE 2.0m OR 3.0m WIDE DRAINAGE AND SEWERAGE EASEMENTS UNLESS OTHERWISE SHOWN.
16. CENTRELINES OF ALL SEWERS ARE OFFSET 1.2m OR 2.2m FROM THE PROPERTY LINE UNLESS OTHERWISE SHOWN.
17. CENTRELINES OF ALL EASEMENT DRAINS ARE OFFSET 1.0m OR 2.2m FROM THE PROPERTY LINE UNLESS OTHERWISE SHOWN.
18. WHERE CURVED PIPES ARE SHOWN ON THE DETAIL 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 RADII CURVES ARE APPROVED BY COUNCIL SUBJECT TO COMPLIANCE WITH MANUFACTURER'S SPECIFICATION.
19. ALL SIDE ENTRY PITS EXCEPT THOSE AT LOW POINTS ARE TO HAVE FLUTES AS SPECIFIED IN THE COUNCIL STANDARD DRAWINGS.
20. 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.
21. 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.
22. 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.
23. 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
24. ELECTRICITY CONDUITS ARE TO BE LAID WITH THE FOLLOWING MINIMUM COVER TO FINISHED SURFACE LEVELS :
UNDER ROADS - 0.90m
ELSEWHERE - 0.60m
25. TACTILE GROUND SURFACE INDICATORS (TGSI'S) TO BE INSTALLED. TGSI'S ARE TO COMPLY WITH AS1428.4



LOCALITY PLAN

MELWAY REF MAP: 366 D3,E4
NTS

DRAWING INDEX

SHEET NO.	DRAWING NO.	DESCRIPTION
01	11728TD01	LOCALITY PLAN, INDEX & NOTES
02	11728TD02	TYPICAL SECTIONS + DETAILS
03	11728SP01	STAGING PLAN
04-05	11728DP01-02	DETAIL PLAN - SHEETS 1 TO 2
06	11728SOP01	SETOUT DETAILS
07-08	11728ID01-02	INTERSECTION DETAILS - SHEETS 1 TO 2
09	11728LS01	LONGITUDINAL SECTIONS
10-14	11728XS01-03	CROSS SECTIONS - SHEETS 1 TO 5
15-17	11728DR01-02	DRAINAGE LONGITUDINAL SECTIONS - SHEETS 1 TO 3
18-20	11728POS01	PLAN OF SUBDIVISION - SHEETS 1 TO 3
21	11728FP01	FILL PLAN
22	11728EF01	EXISTING FEATURES

Drawn DT Date 07/03/14
Designed DT
Date 01/09/14
AN 1031061
Verified SL
Date 17/09/14
AN 1061377
Audited SL
Date 05/02/15
AN 1061688
Approved TL
Date 13/02/15
AN 883563
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.

AS CONSTRUCTED

merrifield
MAB gpc

Coords: MGA
Levels: AHD

Scale @ A1/A3 AS SHOWN

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 8
LOCALITY PLAN, INDEX & NOTES



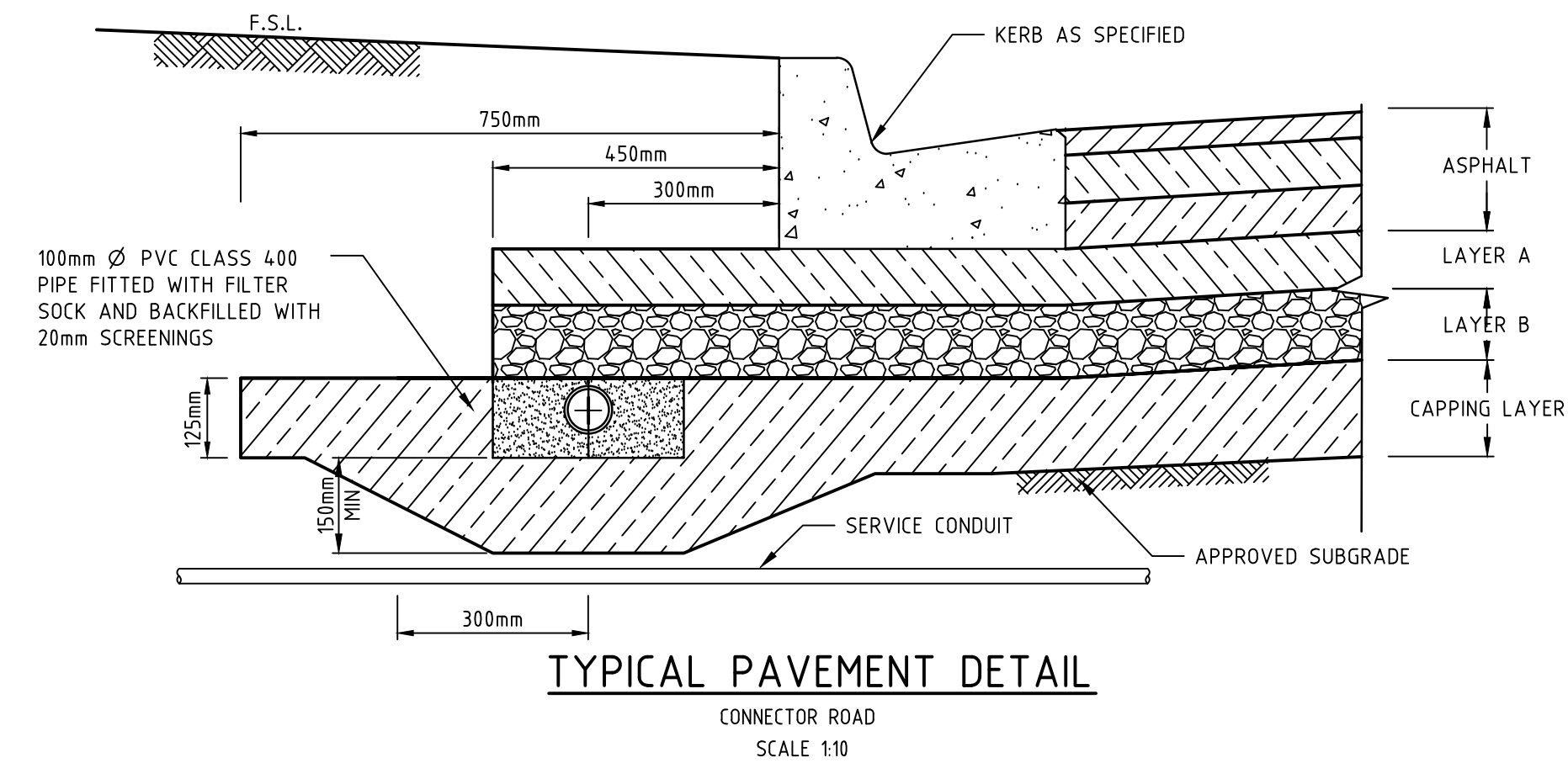
255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 8888 6868
F 61 3 8888 6880
W www.dceprofile.com

56 Peel Street
South Brisbane QLD 4101
Australia
T 61 7 3217 2177
F 61 7 3844 7568
E info@dceprofile.com

Drawing No. 11728TD01 Rev 1
Sheet No. 01 AS CONSTRUCTED
© Dalton Consulting Engineers Pty Ltd
ABN 78 428 221 048

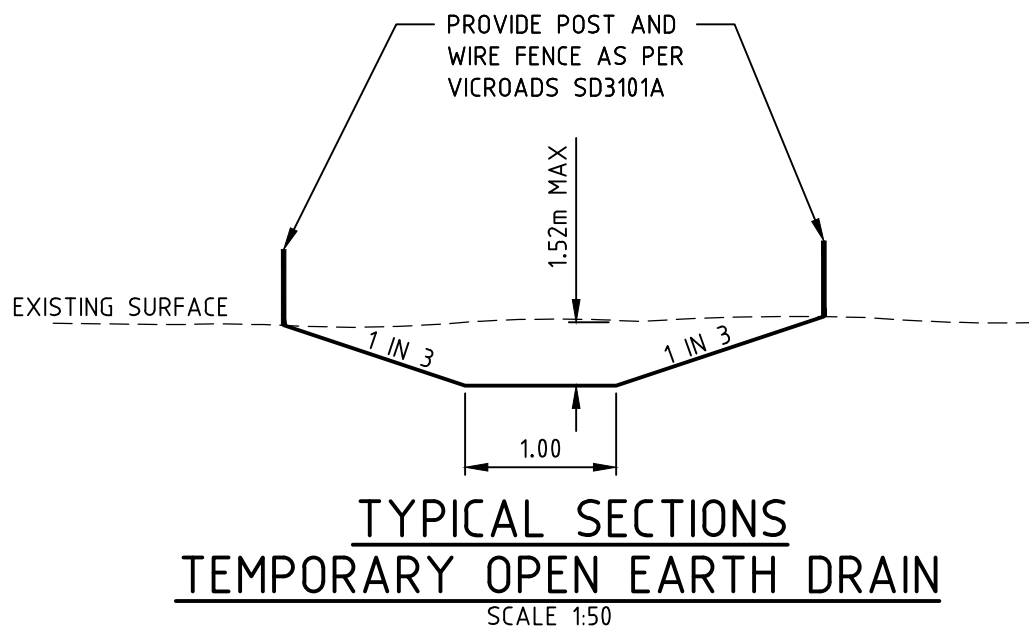
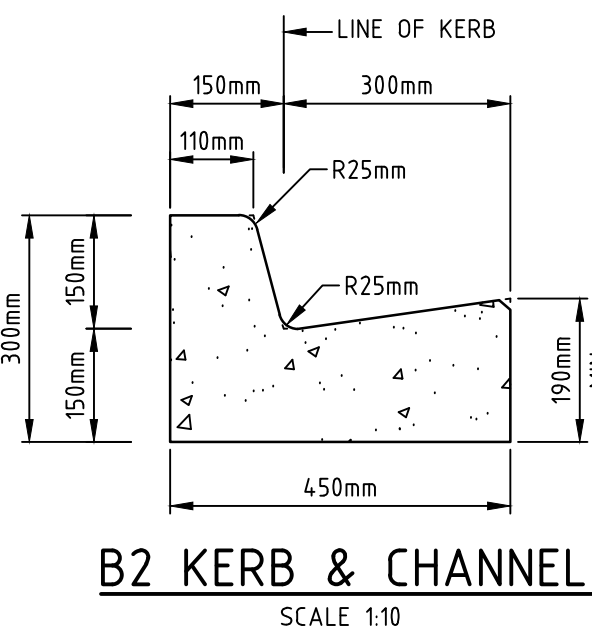
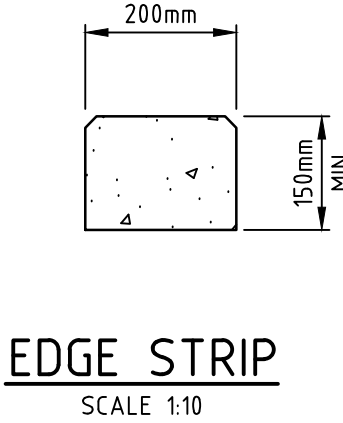
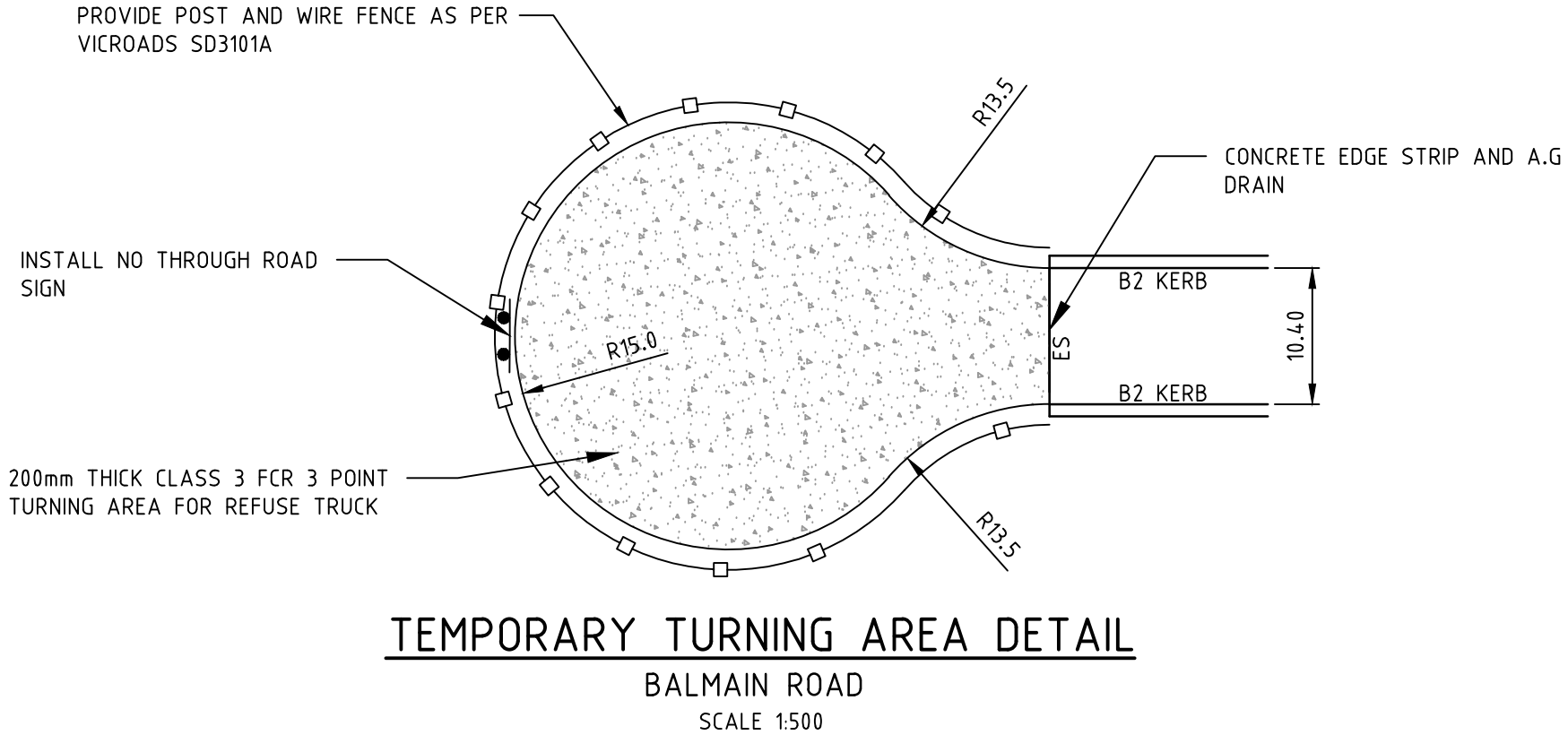
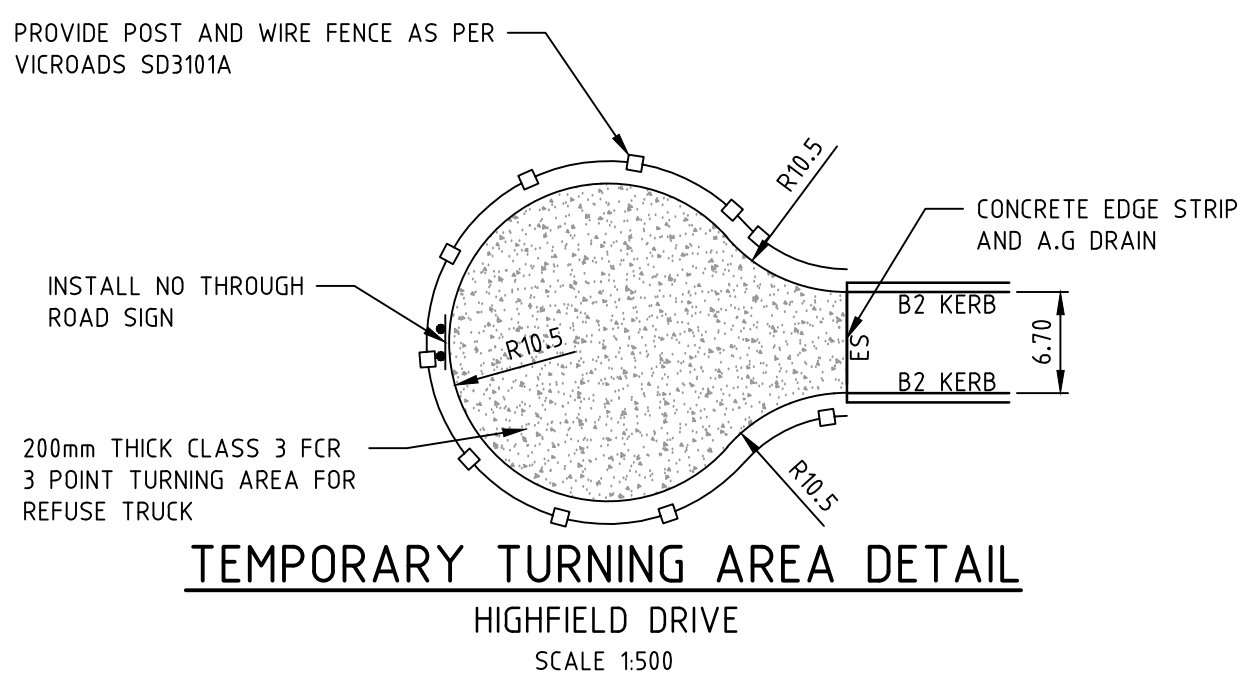
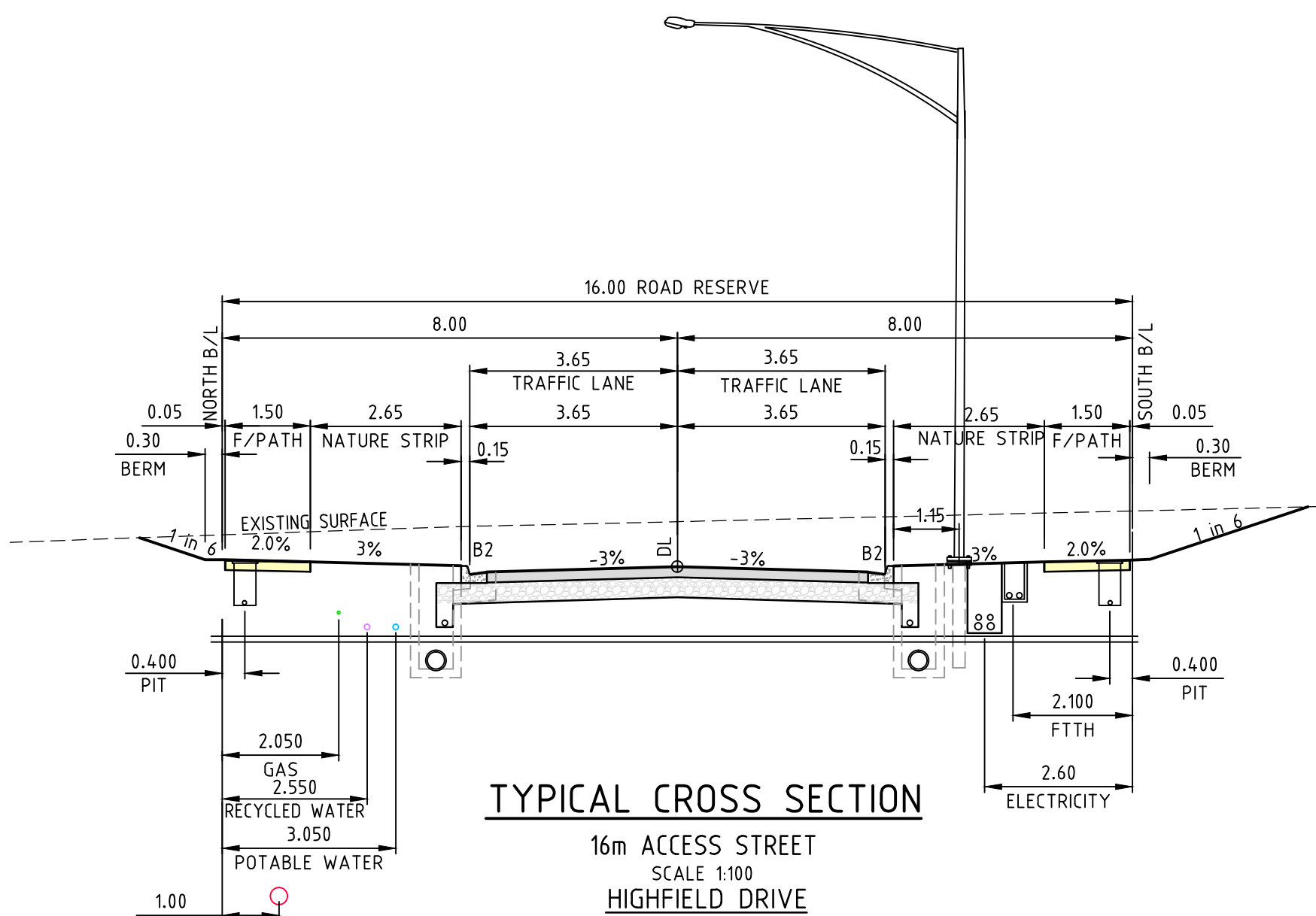
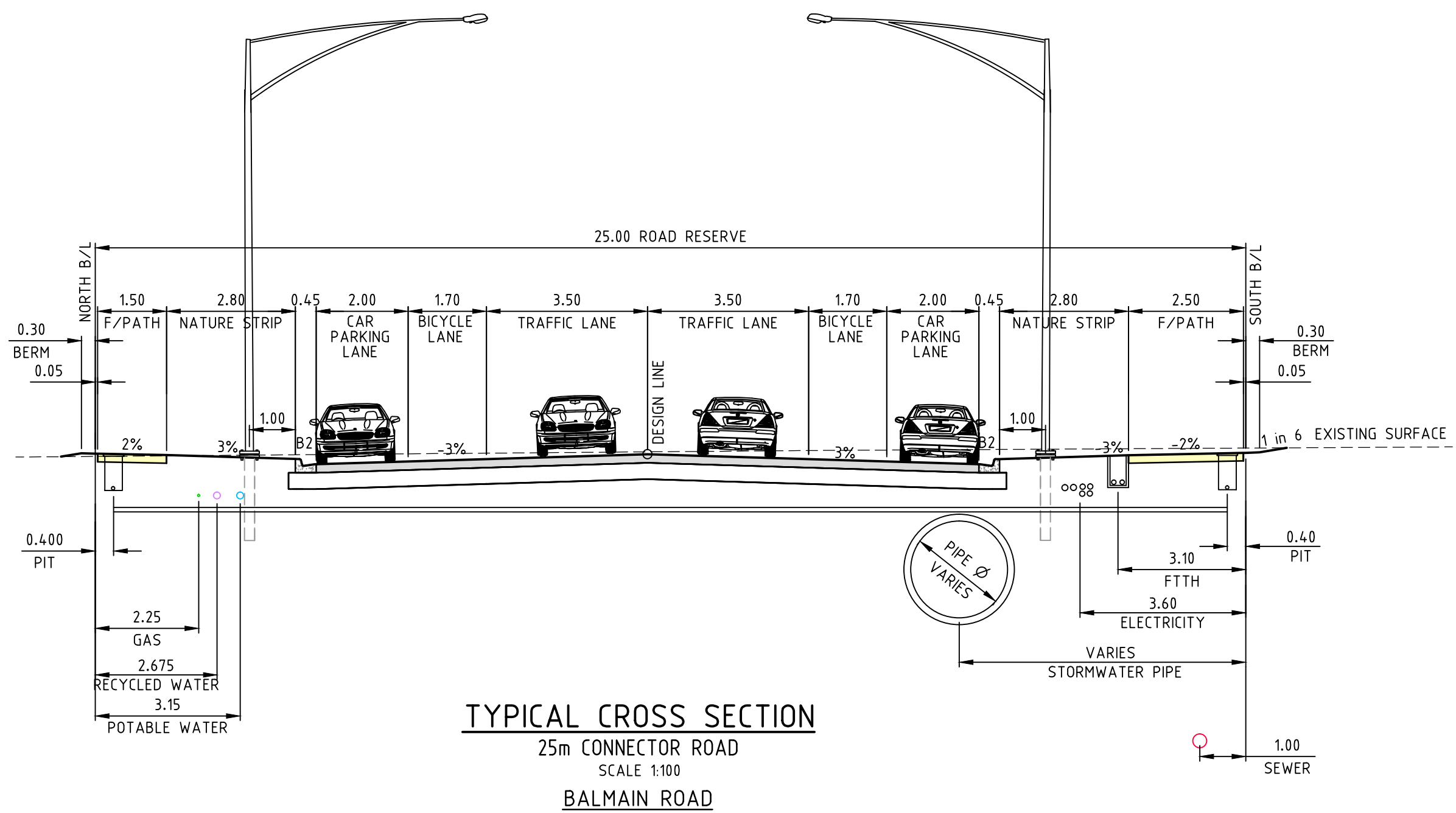
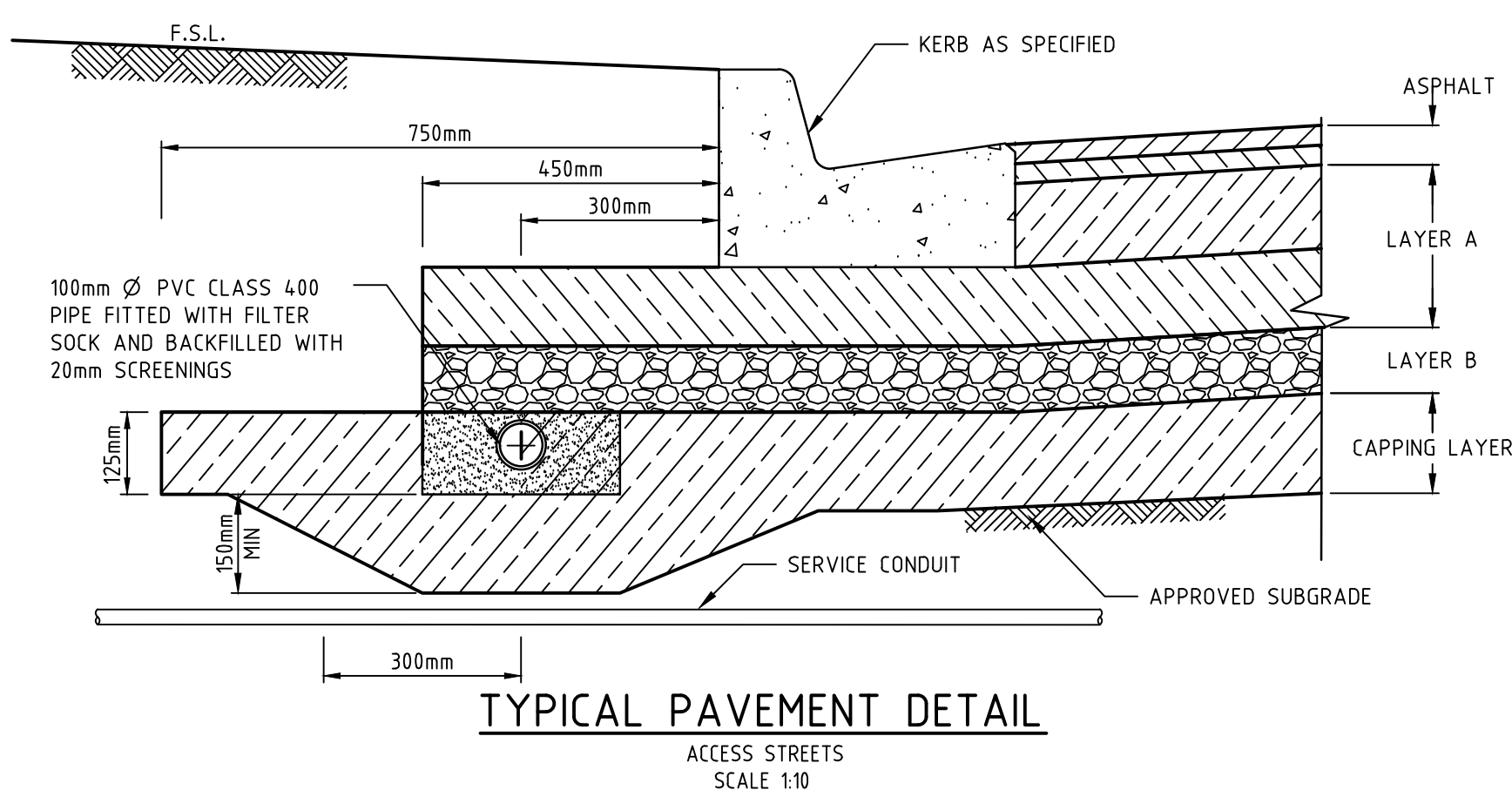
REV	AMENDMENTS	DATE	APP'D.
1	AS CONSTRUCTED	02/07/15	TL
0	ISSUED FOR CONSTRUCTION	13/02/15	TL

PAVEMENT DETAILS



	CONNECTOR ROAD BALMAIN ROAD	ACCESS STREETS HIGHFIELD DRIVE
ASPHALT	WEARING COURSE 40mm SIZE 14mm TYPE N ASPHALT INTERMEDIATE COURSE 1 75mm SIZE 20 TYPE SI ASPHALT BASE COURSE 75mm SIZE 20 TYPE SF ASPHALT	WEARING COURSE 30mm SIZE 10mm TYPE N ASPHALT BASE COURSE 30mm SIZE 10 TYPE N ASPHALT BITUMINOUS PRIME PRIME OR SIZE 5 OR SIZE 7 BITUMEN EMULSION PRIMERSEAL (NOT EXCEEDING 60% BITUMEN CONTENT) AT >0.9 L/m ²
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: 100mm 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	540mm	560mm
SUBGRADE	SUBGRADE CBR ≥ 2%	SUBGRADE CBR ≥ 2%

REFER TO GOLDER ASSOCIATE'S GEOTECHNICAL REPORT



Drawing File: C:\Users\j1700\11728-MERRIFIELD - Precinct 1 - Stage 8\Acad\11728TD02.dwg - 11/28/2015
Date/Time: Fri Jul 03, 2015 - 9:51am --byron.shade--

REV	AMENDMENTS	DATE	APP'D.
1	AS CONSTRUCTED	02/07/15	TL
0	ISSUED FOR CONSTRUCTION	13/02/15	TL

Drawn DT Date 07/03/14
Designed DT
Date 01/09/14
AN 1031062
Verified SL
Date 17/09/14
AN 1061378
Audited SL
Date 05/02/15
AN 1061689
Approved TL
Date 13/02/15
AN 883564
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.

AS CONSTRUCTED

Coords: MGA
Levels: AHD
Scale @ A1/A3 AS SHOWN

merrifield
MAB gpc

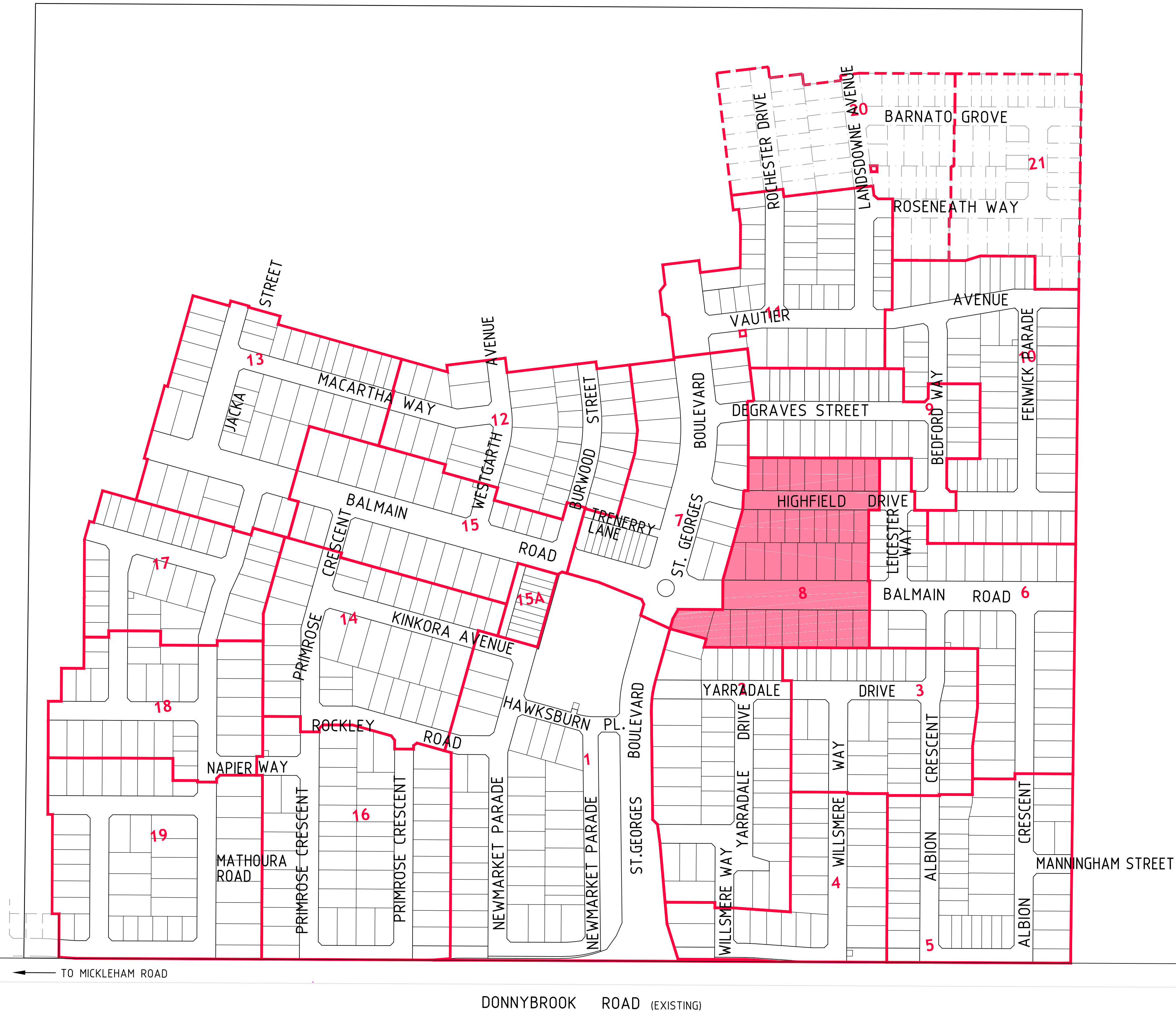
MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 8
TYPICAL SECTIONS & DETAILS

Drawing No. 11728TD02 Rev 1
Sheet No. 02 AS CONSTRUCTED
© Dalton Consulting Engineers Pty Ltd
ABN 78 428 221 048

255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 8888 6866
F 61 3 8888 6880
W www.dceprofile.com

DCE
dalton consulting engineers
56 Peel Street
South Brisbane QLD 4101
Australia
T 61 7 3217 2177
F 61 7 3844 7588
E info@dceprofile.com

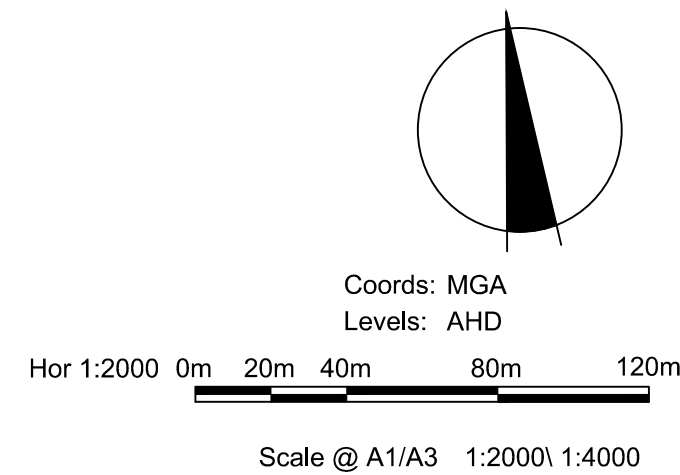
Drawing File: G:\Design\11728-MERRIFIELD - Prelim 1 - Stage 8\Acad\11728SP01.dwg - 11728SP01
Date/Time: Fri Jul 03, 2015 - 9:51am --byron.abade--



1	AS CONSTRUCTED	02/07/15	TL
0	ISSUED FOR CONSTRUCTION	13/02/15	TL
REV	AMENDMENTS	DATE	APP'D.

Drawn DT Date 07/03/14
Designed DT
Date 01/09/14
AN 1031063
Verified SL
Date 17/09/14
AN 1061379
Audited SL
Date 05/02/15
AN 1061690
Approved TL
Date 13/02/15
AN 883565
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.

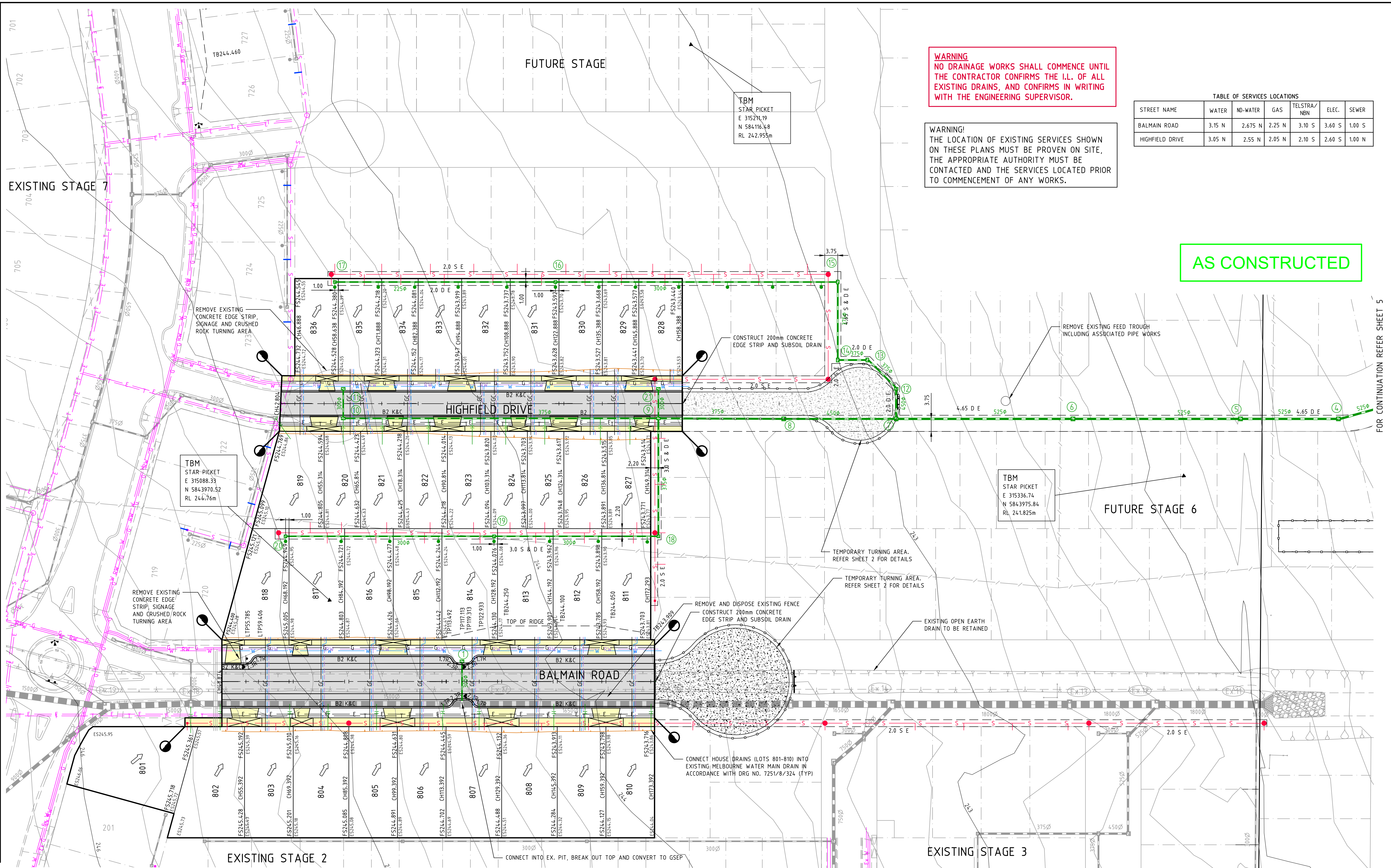
AS CONSTRUCTED



MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 8
STAGING PLAN

Drawing No. 11728SP01 Rev 1
Sheet No. 03 AS CONSTRUCTED
© Dalton Consulting Engineers Pty Ltd
ABN 78 428 221 049

 **DCE**
dalton consulting engineers
255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6888
F 61 3 9888 6880
www.dceprofile.com
Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4064
Australia
T 61 7 3367 1732
E info@dceprofile.com



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.

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.

TABLE OF SERVICES LOCATIONS						
STREET NAME	WATER	NO-WATER	GAS	TELSTRA/ NBN	ELEC.	SEWER
BALMAIN ROAD	3.15 N	2.675 N	2.25 N	3.10 S	3.60 S	1.00 S
HIGHFIELD DRIVE	3.05 N	2.55 N	2.05 N	2.10 S	2.60 S	1.00 N

AS CONSTRUCTED

FOR CONTINUATION REFER SHEET 5

REV	AMENDMENTS	DATE	APPD.
2	AS CONSTRUCTED	02/07/15	TL
1	FINISHED SURFACE LEVELS AMENDED	03/03/15	TL
0	ISSUED FOR CONSTRUCTION	13/02/15	TPD.

Drawn DT Date 07/03/14
Designed DT Date 01/09/14
AN 1031064
Verified SL Date 17/09/14
AN 1061380
Audited SL Date 05/02/15
AN 1061691
Approved TL Date 13/02/15
AN 883566

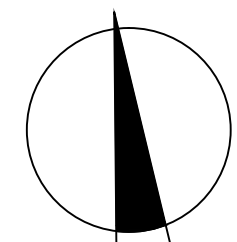
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.

- 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
- Ex P EXISTING ELEC. POLE & O'HEAD LINES
- EXISTING TREES TO BE REMOVED
- EXISTING SURFACE LEVEL
- FINISHED SURFACE LEVEL
- OPEN EARTH DRAIN (O.E.D.)
- SEWER MAIN AND MANHOLE

LEGEND

- STORMWATER DRAIN & PIT
- SW DRAIN & PIT CONSTRUCTED IN PREVIOUS STAGES
- PROPERTY INLETS
- HOUSE DRAIN
- GAS CONDUIT
- WATER CONDUIT
- RECYCLED WATER CONDUIT
- TELECOMM. CONDUIT
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK

- W WATER
- RW RECYCLED WATER
- T TELECOMMUNICATIONS
- E ELECTRICITY
- G GAS
- STREET NAME SIGN
- REGRADE LOT AT MIN 1 IN 150
- ASPHALT PAVEMENT
- CONC FOOTPATH / DRIVEWAY
- LANDSCAPING
- FILLING OVER 300mm
- FINISHED SURFACE CONTOUR



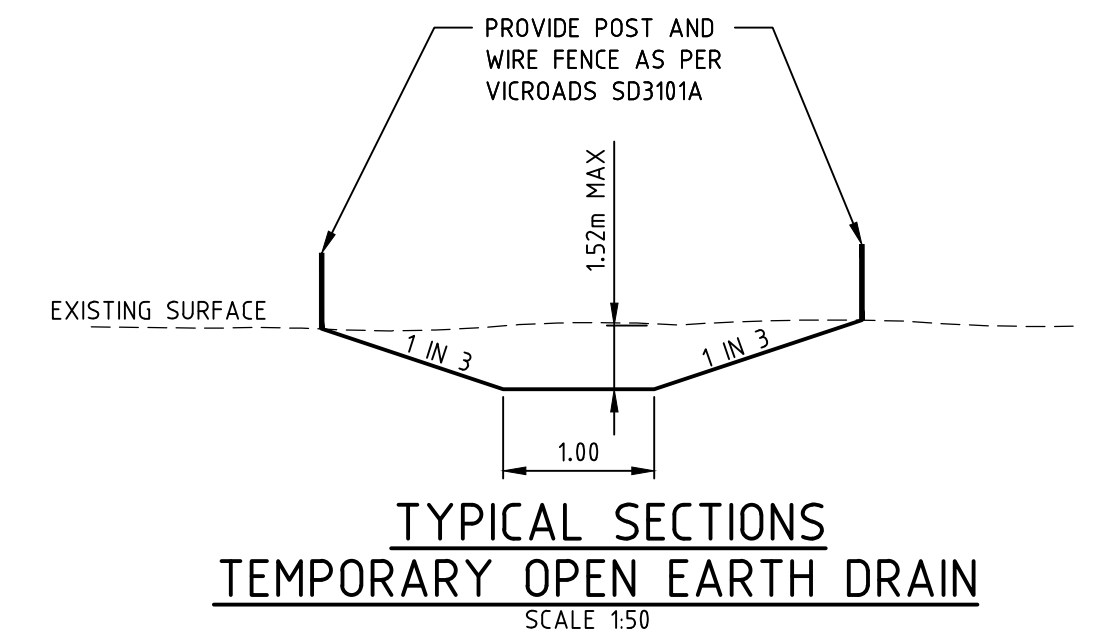
merrifield
MAB gpc

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

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 8
DETAIL PLAN
SHEET 1 OF 2
Drawing No. 11728DP01 **Rev 2**
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 6888
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: C:\Design\11728-MERRIFIELD - Precinct 1 - Stage 8\Acad\11728DP02.dwg - 11728DP02
Date/Time: Fri Jul 03, 2015 - 9:51am --Byron Ashdale--



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.

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.

AS CONSTRUCTED

REV	AMENDMENTS	DATE	APP'D.
1	AS CONSTRUCTED	02/07/15	TL
0	ISSUED FOR CONSTRUCTION	13/02/15	TL

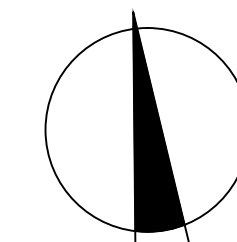
Drawn DT Date 07/03/14
Designed DT
Date 01/09/14
AN 1031156
Verified SL
Date 17/09/14
AN 1061381
Audited SL
Date 05/02/15
AN 1061692
Approved TL
Date 13/02/15
AN 88367

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.

—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
—Ex V— EXISTING ELEC. POLE & O'HEAD LINES
X EXISTING TREES TO BE REMOVED
FS21.650 EXISTING SURFACE LEVEL
— OPEN EARTH DRAIN (O.E.D.)
— S — SEWER MAIN AND MANHOLE

LEGEND
— EX. MW STORMWATER DRAIN & PIT
— EX. STORMWATER DRAIN & PIT
— SW DRAIN & PIT CONSTRUCTED IN PREVIOUS STAGES
— PROPERTY INLETS
— HOUSE DRAIN
— GC— GAS CONDUIT
— WATER CONDUIT
— RECYCLED WATER CONDUIT
— TC— TELECOMM. CONDUIT
— PERMANENT SURVEY MARK
— TEMPORARY BENCH MARK

— OF— OPTIC FIBRE
— W— WATER
— RW— RECYCLED WATER
— T— TELECOMMUNICATIONS
— E— ELECTRICITY
— G— GAS
— STREET NAME SIGN
— REGRADE LOT AT MIN 1 IN 150
— ASPHALT PAVEMENT
— CONC FOOTPATH / DRIVEWAY
— LANDSCAPING
— FILLING OVER 300mm
— FINISHED SURFACE CONTOUR



merrifield
MAB gpc

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

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 8
DETAIL PLAN
SHEET 2 OF 2
Drawing No. 11728DP02 **Rev 1**
AS CONSTRUCTED
Sheet No. 05
© Dalton Consulting Engineers Pty Ltd
ABN 78 428 221 048

DCE
dalton consulting engineers
255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6888
F 61 3 9888 6880
W www.dceprofile.com
Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4084
Australia
T 61 7 3367 1732
E info@dceprofile.com

D:\proj\11728-MERRIFIELD - Precinct 1 - Stage 8\Acad\DWG\11728SOP01.dwg -- 11728SOP01
Date/Tme: Fri Jul 03, 2015 - 9:51am --byron.abude---

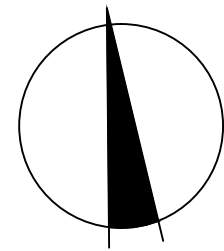
1	AS CONSTRUCTED	02/07/15	TL
0	ISSUED FOR CONSTRUCTION	13/02/15	TL
REV	AMENDMENTS	DATE	APP'D.

Drawn DT Date 07/03/14
Designed DT
Date 01/09/14
AN 1031065
Verified SL
Date 17/09/14
AN 1061382
Audited SL
Date 05/02/15
AN 1061693
Approved TL
Date 13/02/15
AN 883568
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.

AS CONSTRUCTED

HORIZONTAL ALIGNMENT REPORT FOR BALMAIN ROAD						
POINT TYPE	CHAINAGE	X	COORDINATES Y	Z	BEARING DEG MIN SEC	RADIUS
INTERSECTION POINT	0.000	315007.153	5843960.858	245.840	112°27'34.26"	
INTERSECTION POINT	9.939	315016.338	5843957.061	245.666	112°27'34.26"	
TANGENT-CURVE	9.939	315016.338	5843957.061	245.666	112°27'34.26"	-33.200
CURVE	10.000	315016.394	5843957.037	245.666	112°21'14.41"	-33.200
CURVE	15.000	315021.144	5843955.490	245.641	103°43'30.43"	-33.200
CURVE-TANGENT	18.866	315024.945	5843954.794	245.617	97°03'10.00"	-33.200
INTERSECTION POINT	18.866	315024.945	5843954.794	245.617	97°03'10.00"	
STRAIGHT	20.000	315026.070	5843954.654	245.608	97°03'10.00"	
STRAIGHT	30.000	315035.994	5843953.427	245.510	97°03'10.00"	
STRAIGHT	40.000	315045.918	5843952.199	245.376	97°03'10.00"	
STRAIGHT	50.000	315055.843	5843950.971	245.237	97°03'10.00"	
STRAIGHT	60.000	315065.767	5843949.743	245.099	97°03'10.00"	
STRAIGHT	70.000	315075.691	5843948.515	244.960	97°03'10.00"	
STRAIGHT	80.000	315085.616	5843947.287	244.822	97°03'10.00"	
STRAIGHT	90.000	315095.540	5843946.060	244.683	97°03'10.00"	
STRAIGHT	100.000	315105.464	5843944.832	244.545	97°03'10.00"	
STRAIGHT	110.000	315115.389	5843943.604	244.402	97°03'10.00"	
STRAIGHT	120.000	315125.313	5843942.376	244.247	97°03'10.00"	
STRAIGHT	130.000	315135.237	5843941.148	244.083	97°03'10.00"	
STRAIGHT	140.000	315145.162	5843939.920	243.923	97°03'10.00"	
STRAIGHT	150.000	315155.086	5843938.693	243.799	97°03'10.00"	
STRAIGHT	160.000	315165.010	5843937.465	243.712	97°03'10.00"	
STRAIGHT	170.000	315174.935	5843936.237	243.639	97°03'10.00"	
STRAIGHT	180.000	315184.859	5843935.009	243.567	97°03'10.00"	
STRAIGHT	190.000	315194.783	5843933.781	243.494	97°03'10.00"	
STRAIGHT	200.000	315204.708	5843932.553	243.421	97°03'10.00"	
STRAIGHT	210.000	315214.632	5843931.326	243.348	97°03'10.00"	
STRAIGHT	220.000	315224.556	5843930.098	243.272	97°03'10.00"	
STRAIGHT	230.000	315234.481	5843928.870	243.182	97°03'10.00"	
STRAIGHT	240.000	315244.405	5843927.642	243.076	97°03'10.00"	
STRAIGHT	250.000	315254.329	5843926.414	242.964	97°03'10.00"	
STRAIGHT	260.000	315264.254	5843925.186	242.852	97°03'10.00"	
STRAIGHT	270.000	315274.178	5843923.959	242.741	97°03'10.00"	
STRAIGHT	280.000	315284.102	5843922.731	242.629	97°03'10.00"	
STRAIGHT	290.000	315294.027	5843921.503	242.517	97°03'10.00"	
STRAIGHT	300.000	315303.951	5843920.275	242.405	97°03'10.00"	
STRAIGHT	310.000	315313.875	5843919.047	242.289	97°03'10.00"	
STRAIGHT	320.000	315323.800	5843917.819	242.167	97°03'10.00"	
STRAIGHT	330.000	315333.724	5843916.592	242.046	97°03'10.00"	
STRAIGHT	340.000	315343.648	5843915.364	241.924	97°03'10.00"	
STRAIGHT	350.000	315353.573	5843914.136	241.802	97°03'10.00"	
STRAIGHT	360.000	315363.497	5843912.908	241.679	97°03'10.00"	
STRAIGHT	370.000	315373.421	5843911.680	241.556	97°03'10.00"	
STRAIGHT	380.000	315383.346	5843910.452	241.433	97°03'10.00"	
STRAIGHT	390.000	315393.270	5843909.224	241.310	97°03'10.00"	
STRAIGHT	400.000	315403.194	5843907.997	241.187	97°03'10.00"	
STRAIGHT	410.000	315413.119	5843906.769	241.064	97°03'10.00"	
STRAIGHT	420.000	315423.043	5843905.541	240.941	97°03'10.00"	
STRAIGHT	430.000	315432.967	5843904.313	240.818	97°03'10.00"	
STRAIGHT	440.000	315442.892	5843903.085	240.695	97°03'10.00"	
INTERSECTION POINT	447.712	315450.546	5843902.138	240.600	97°03'10.00"	

HORIZONTAL ALIGNMENT REPORT FOR HIGHFIELD DRIVE						
POINT TYPE	CHAINAGE	X	COORDINATES Y	Z	BEARING DEG MIN SEC	RADIUS
INTERSECTION POINT	0.000	315041.450	5844043.825	245.218	112°27'34.26"	
STRAIGHT	10.000	315050.692	5844040.005	245.046	112°27'34.26"	
STRAIGHT	20.000	315059.933	5844036.185	244.988	112°27'34.26"	
STRAIGHT	30.000	315069.175	5844032.365	244.881	112°27'34.26"	
INTERSECTION POINT	33.408	315072.325	5844031.063	244.831	112°27'34.26"	
TANGENT-CURVE	33.408	315072.325	5844031.063	244.831	112°27'34.26"	-42.000
CURVE	35.000	315073.807	5844030.482	244.806	110°17'17.09"	-42.000
CURVE	40.000	315078.589	5844029.032	244.724	103°28'01.76"	-42.000
CURVE-TANGENT	44.702	315083.213	5844028.195	244.647	97°03'10.00"	-42.000
INTERSECTION POINT	44.702	315083.213	5844028.195	244.647	97°03'10.00"	
STRAIGHT	50.000	315088.471	5844027.544	244.561	97°03'10.00"	
STRAIGHT	60.000	315098.395	5844026.316	244.397	97°03'10.00"	
STRAIGHT	70.000	315108.320	5844025.088	244.234	97°03'10.00"	
STRAIGHT	80.000	315118.244	5844023.861	244.070	97°03'10.00"	
STRAIGHT	90.000	315128.168	5844022.633	243.907	97°03'10.00"	
STRAIGHT	100.000	315138.093	5844021.405	243.746	97°03'10.00"	
STRAIGHT	110.000	315148.017	5844020.177	243.620	97°03'10.00"	
STRAIGHT	120.000	315157.941	5844018.949	243.531	97°03'10.00"	
STRAIGHT	130.000	315167.866	5844017.721	243.450	97°03'10.00"	
STRAIGHT	140.000	315177.790	5844016.494	243.369	97°03'10.00"	
STRAIGHT	150.000	315187.714	5844015.266	243.288	97°03'10.00"	
STRAIGHT	160.000	315197.639	5844014.038	243.206	97°03'10.00"	
STRAIGHT	170.000	315207.563	5844012.810	243.125	97°03'10.00"	
STRAIGHT	180.000	315217.487	5844011.582	243.026	97°03'10.00"	
STRAIGHT	190.000	315227.412	5844010.354	242.915	97°03'10.00"	
STRAIGHT	200.000	315237.336	5844009.127	242.803	97°03'10.00"	
STRAIGHT	210.000	315247.260	5844007.899	242.688	97°03'10.00"	
STRAIGHT	220.000	315257.185	5844006.671	242.564	97°03'10.00"	
STRAIGHT	230.000	315267.109	5844005.443	242.441	97°03'10.00"	
STRAIGHT	240.000	315277.033	5844004.215	242.318	97°03'10.00"	
STRAIGHT	250.000	315286.958	5844002.987	242.194	97°03'10.00"	
STRAIGHT	260.000	315296.882	5844001.760	242.071	97°03'10.00"	
STRAIGHT	270.000	315306.806	5844000.532	241.947	97°03'10.00"	
STRAIGHT	280.000	315316.731	5843999.304	241.824	97°03'10.00"	
STRAIGHT	290.000	315326.655	5843998.076	241.694	97°03'10.00"	
STRAIGHT	300.000	315336.579	5843996.848	241.560	97°03'10.00"	
STRAIGHT	310.000	315346.504	5843995.620	241.427	97°03'10.00"	
STRAIGHT	320.000	315356.428	5843994.393	241.293	97°03'10.00"	
STRAIGHT	330.000	315366.352	5843993.165	241.160	97°03'10.00"	
STRAIGHT	340.000	315376.277	5843991.937	241.026	97°03'10.00"	
STRAIGHT	350.000	315386.201	5843990.709	240.893	97°03'10.00"	
STRAIGHT	360.000	315396.125	5843989.481	240.759	97°03'10.00"	
STRAIGHT	370.000	315406.050	5843988.253	240.626	97°03'10.00"	
STRAIGHT	380.000	315415.974	5843987.026	240.492	97°03'10.00"	
STRAIGHT	390.000	315425.898	5843985.798	240.359	97°03'10.00"	
STRAIGHT	400.000	315435.823	5843984.570	240.225	97°03'10.00"	
STRAIGHT	410.000	315445.747	5843983.342	240.092	97°03'10.00"	
STRAIGHT	420.000	315455.671	5843982.114	239.958	97°03'10.00"	
INTERSECTION POINT	425.259	315460.891	5843981.468	239.888	97°03'10.00"	



Coords: MGA
Levels: AHD
Hor 1:500 0m 5m 10m 20m 30m

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

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 8
SETOUT DETAILS

Drawing No. 11728SOP01 Rev 1

Sheet No. 06

AS CONSTRUCTED

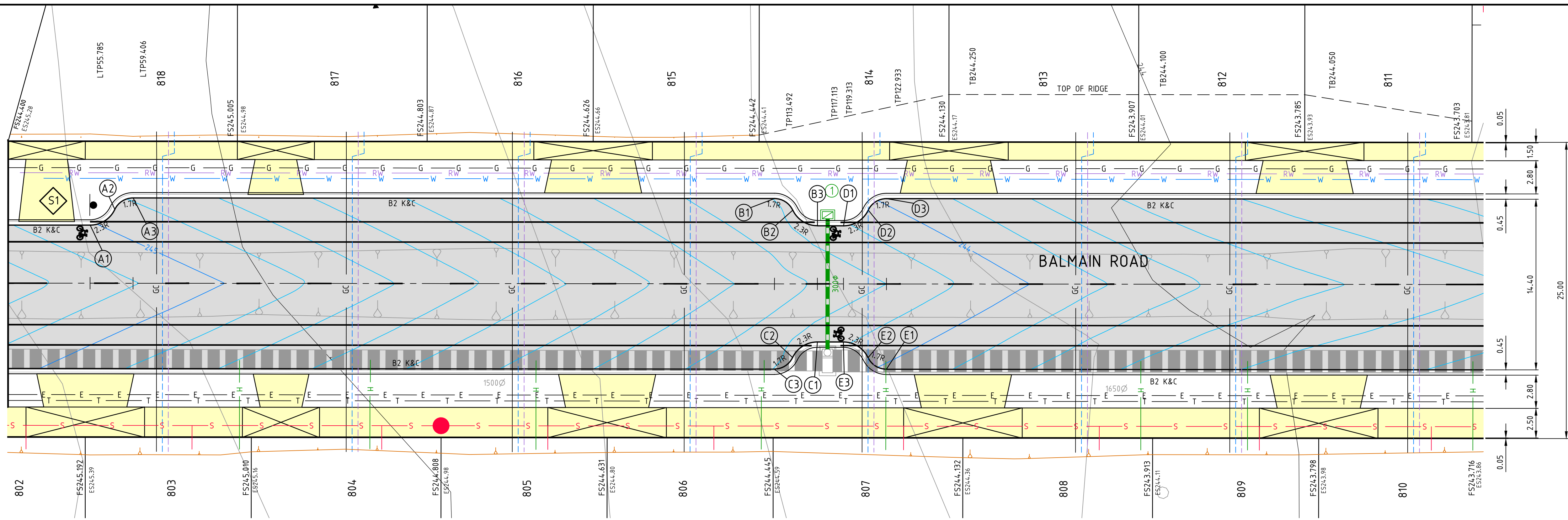
© Dalton Consulting Engineers Pty Ltd
ABN 78 428 221 048



255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6888
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: C:\Users\merrifield\11728-MERRIFIELD - Project 1 - Stage 8\Acad\1172801.dwg - 1172801
Date/Time: Fri Jul 03, 2015 - 9:52am ---Byron.Shade---



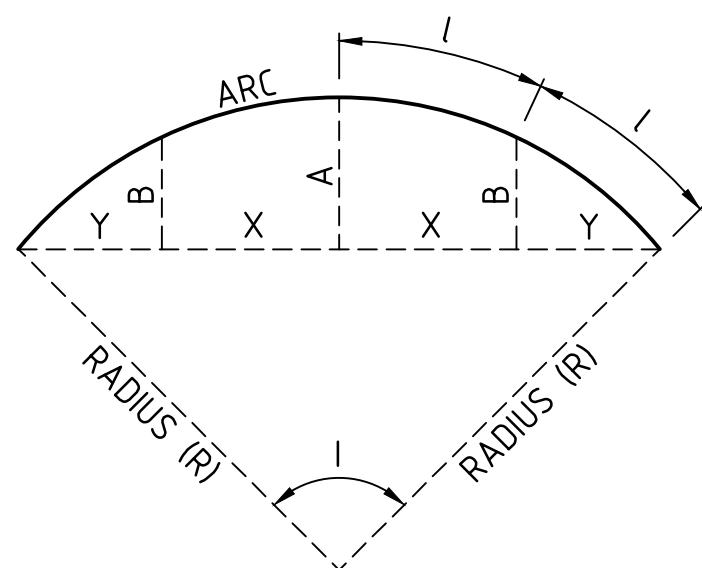
LINEMARKING LEGEND

100mm WIDE BARRIER LINE

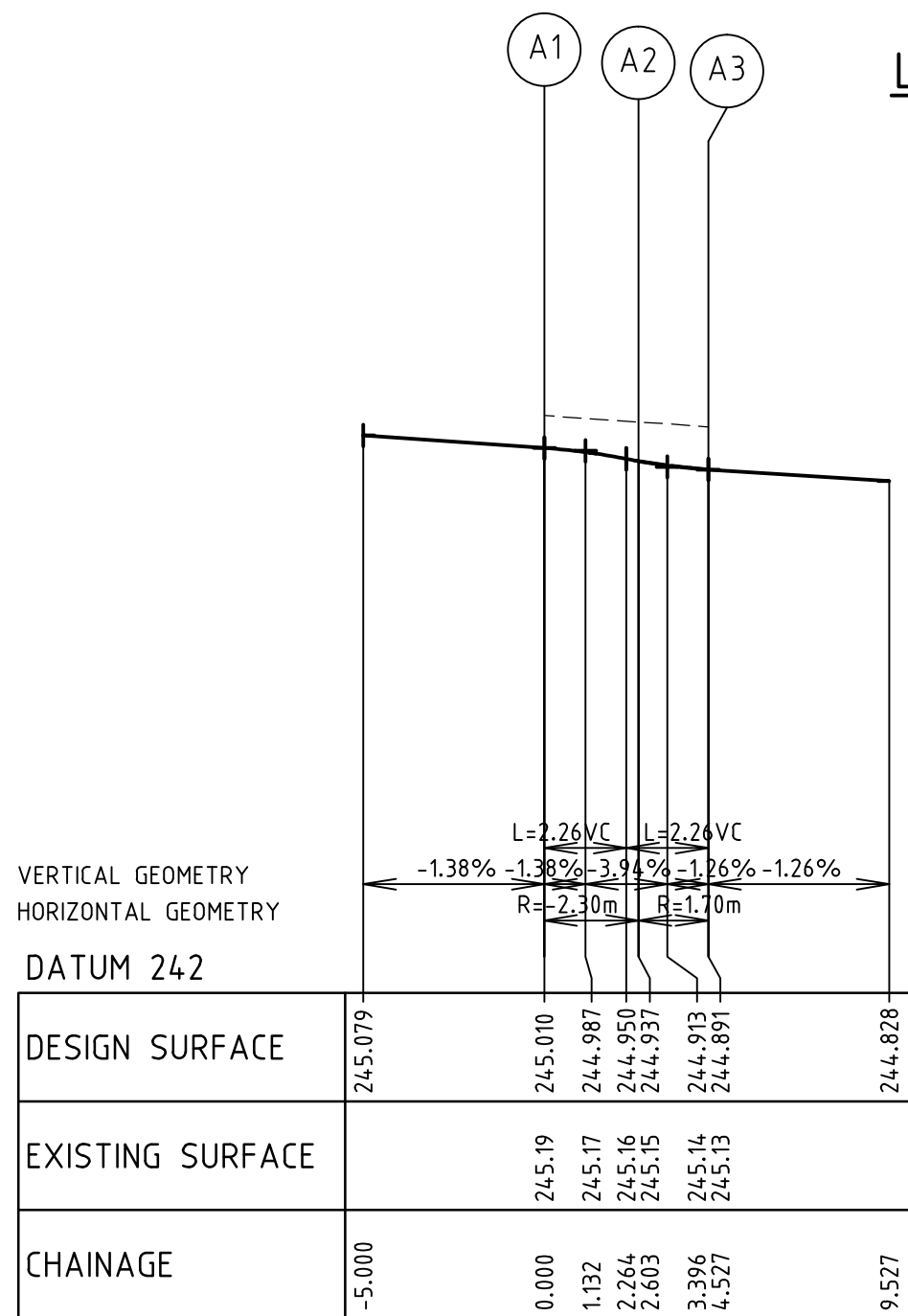
NOTES:

- ALL WORKS TO BE IN ACCORDANCE WITH AS1742. ALL LINEMARKING AND SIGNAGE TO BE IN ACCORDANCE WITH VICROADS LINEMARKING AND TRAFFIC MANUALS.
- LINEMARKING SET-OUT SHALL BE INSPECTED AND APPROVED BEFORE FINAL LINEMARKING IS CARRIED OUT.
- ALL LINEMARKING PAINT SHALL BE LONG LIFE TYPE IN ACCORDANCE WITH SECTION 95C OF THE HUME CITY COUNCIL SPECIFICATIONS. LATERAL WORKS AND ARROWS BEING COLD APPLIED PLASTIC TROWELLED INTO PLACE (MATERIAL DEGADUR PLASTELINE) AND LONGITUDINAL LINES BEING EXTRUDED THERMOPLASTIC MATERIAL.
- ANY OBSOLETE LINEMARKING IS TO BE REMOVED BY GRINDING, STRIPPING OR THE APPLICATION OF BITUMEN BINDER AND GRIT PRIOR TO "NEW" LINEMARKING BEING PLACED.
- ALL RADII ARE TO LIP OF CHANNEL OR LINE OF KERB. ALL LANE WIDTHS ARE TO LIP OF KERB & CHANNEL
- RRPM'S TO BE PROVIDED IN ACCORDANCE WITH AS1742.

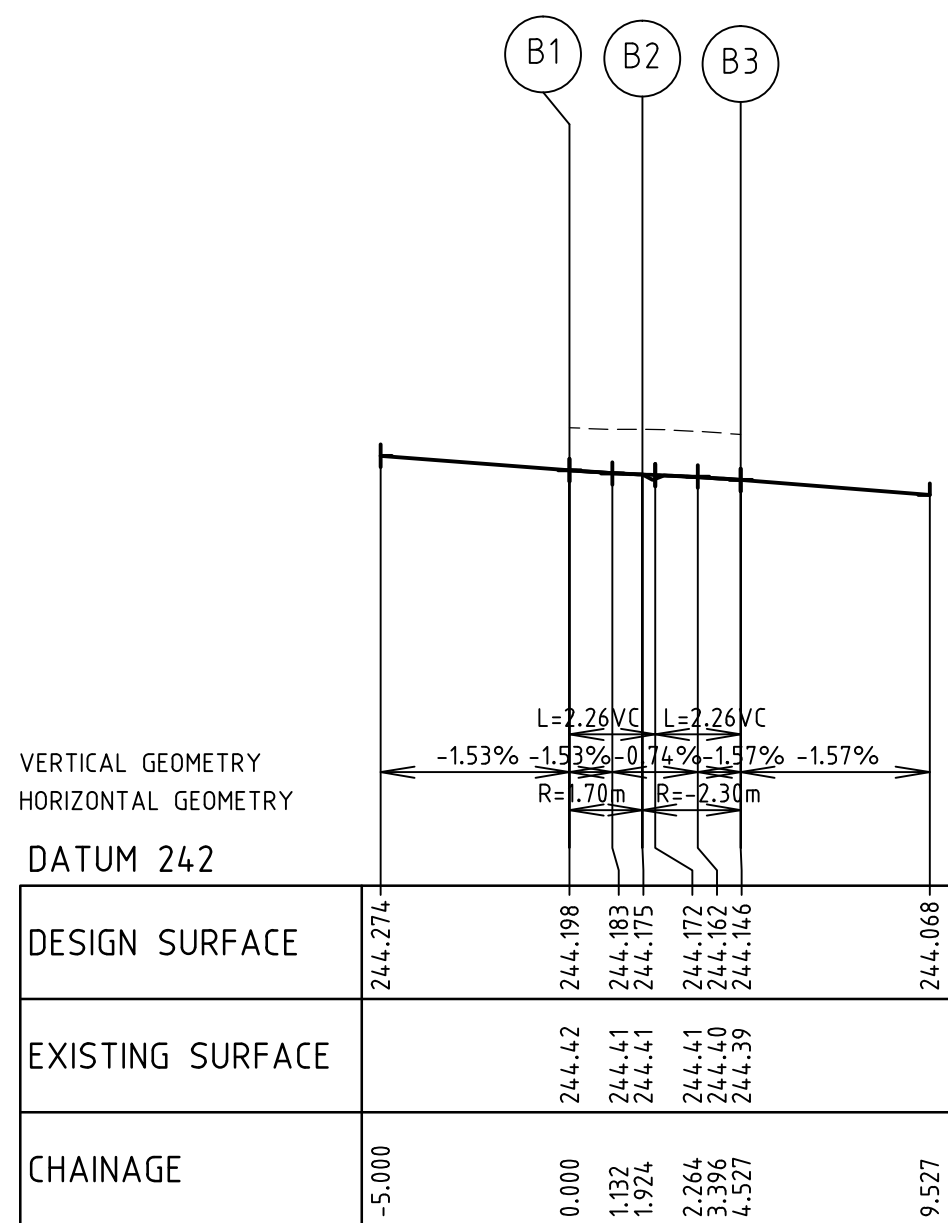
AS CONSTRUCTED



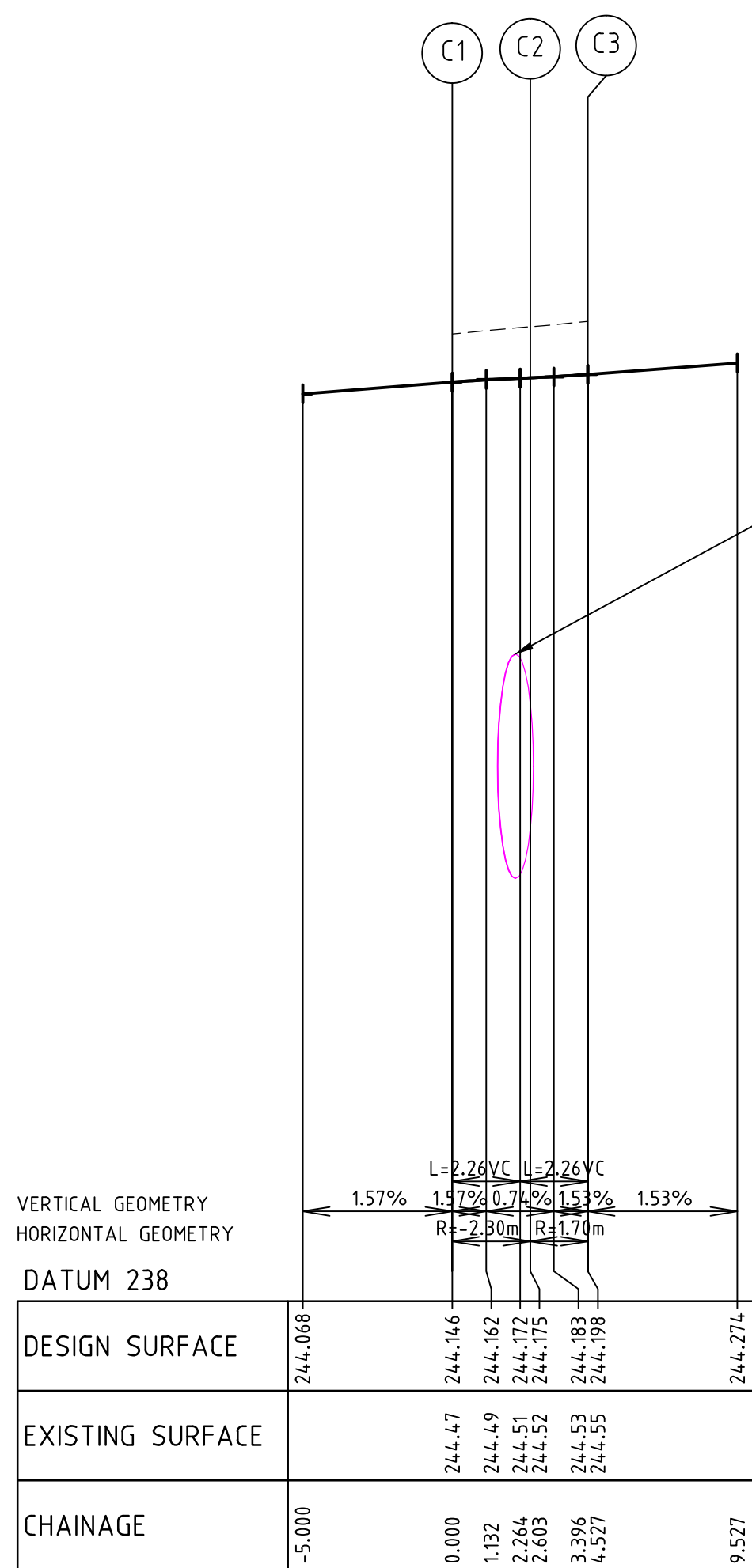
LIP PROFILE A
Scales H. 1:200, V. 1:20



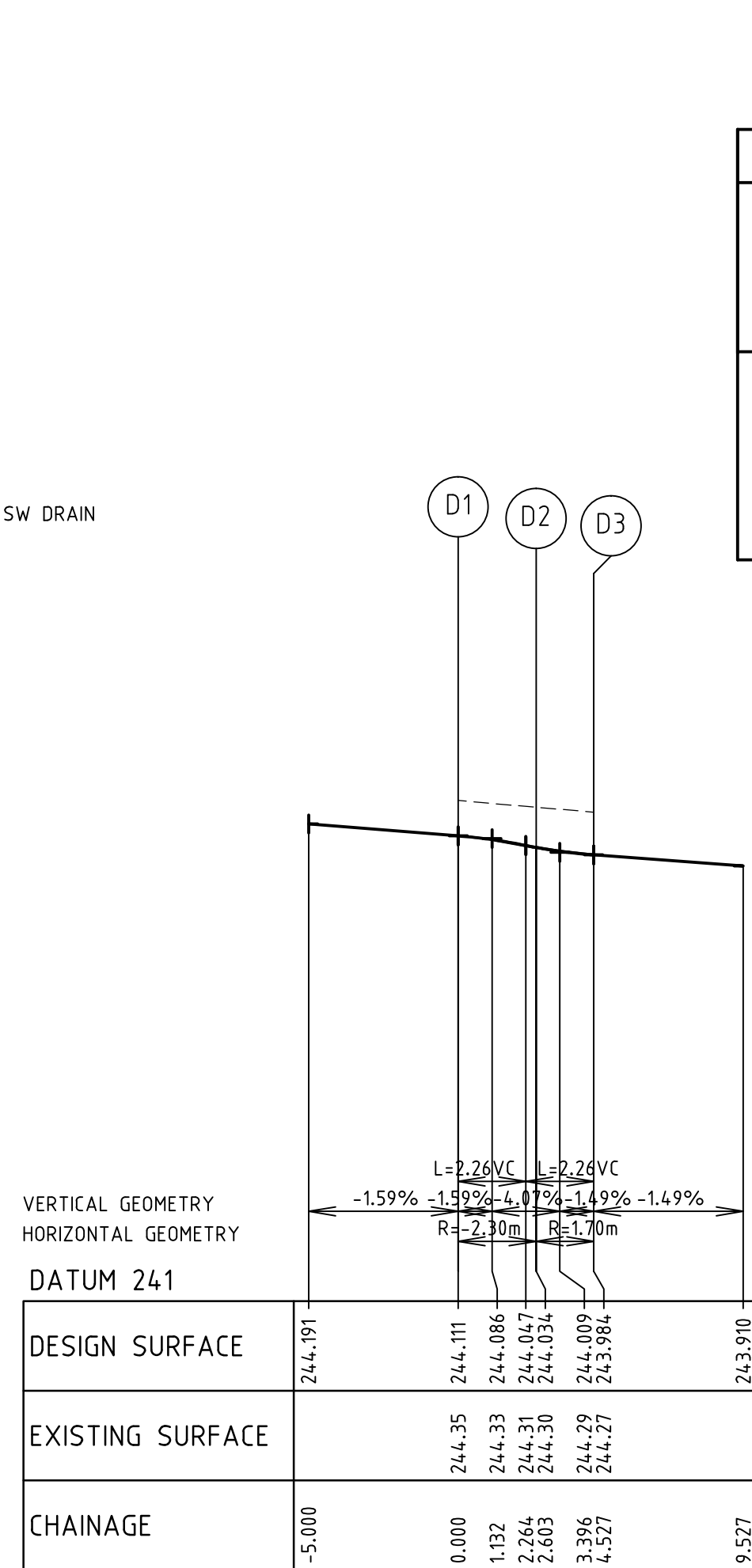
LIP PROFILE B
Scales H. 1:200, V. 1:20



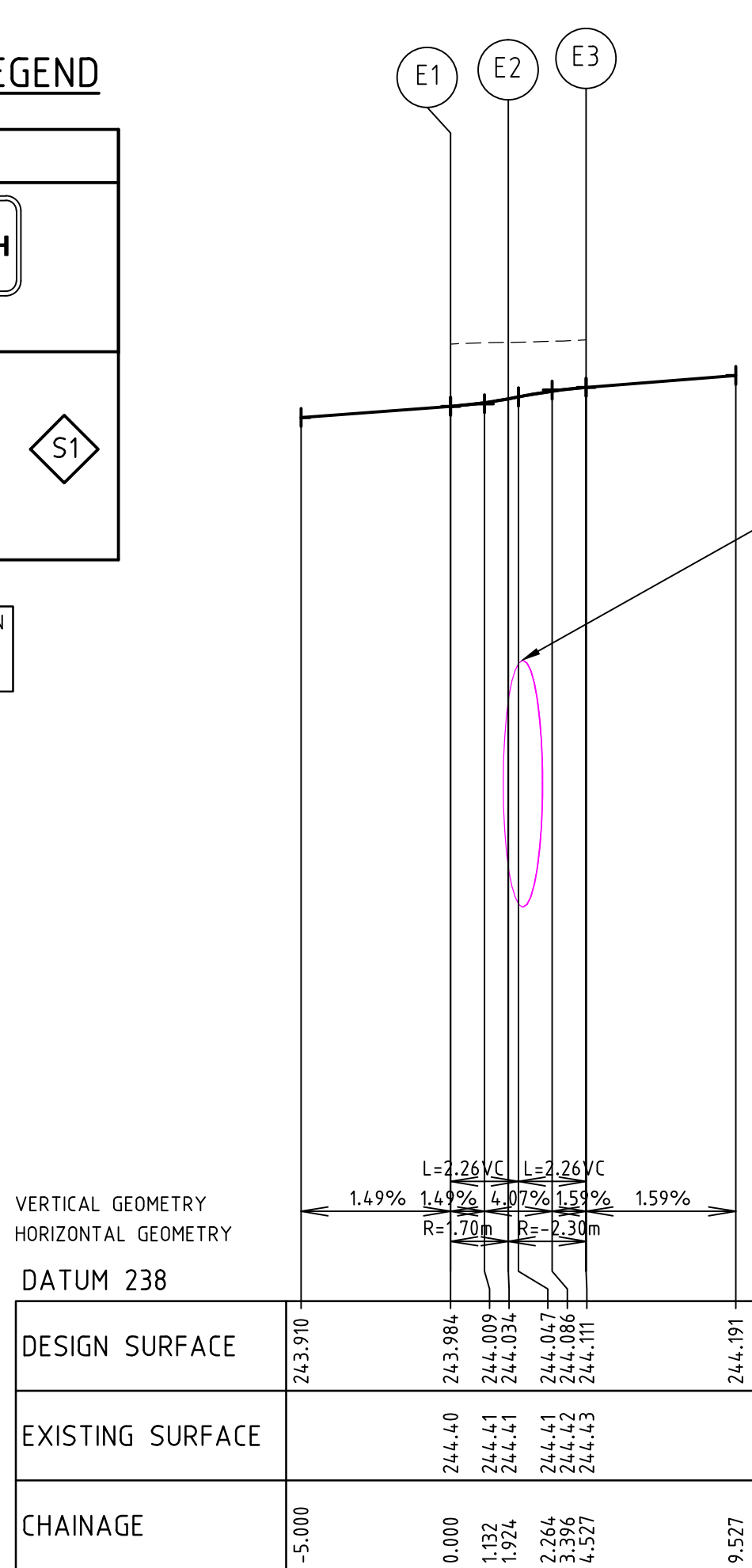
LIP PROFILE C
Scales H. 1:200, V. 1:20



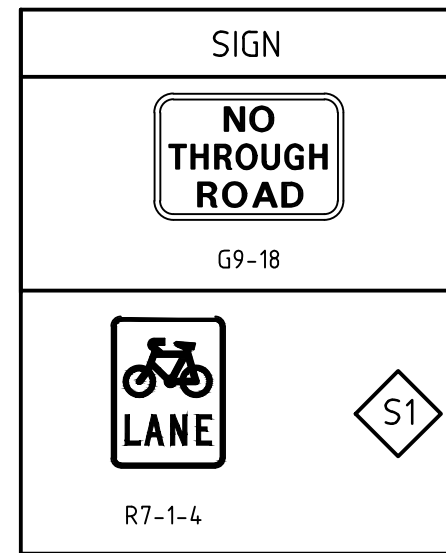
LIP PROFILE D
Scales H. 1:200, V. 1:20



LIP PROFILE E
Scales H. 1:200, V. 1:20

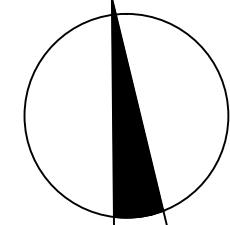
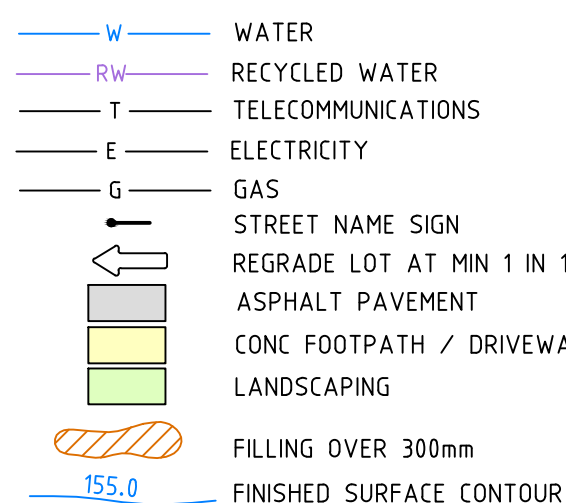
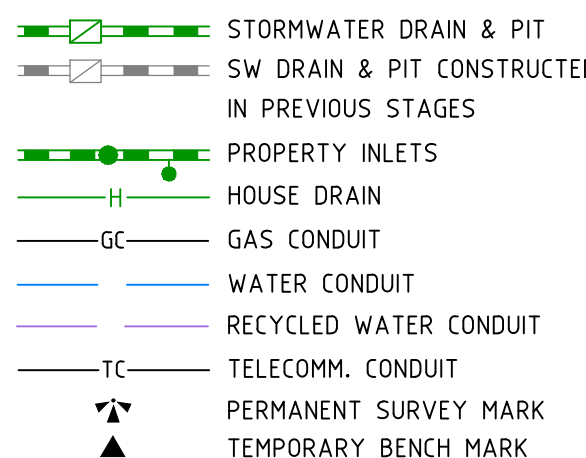


SIGNAGE LEGEND



ALL SIGNS IN ACCORDANCE WITH AS1742

LEGEND



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 8 INTERSECTION DETAILS SHEET 1 OF 2

Drawing No. 11728ID01 Rev 2
Sheet No. 07 AS CONSTRUCTED

© Dalton Consulting Engineers Pty Ltd
ABN 78 428 221 048

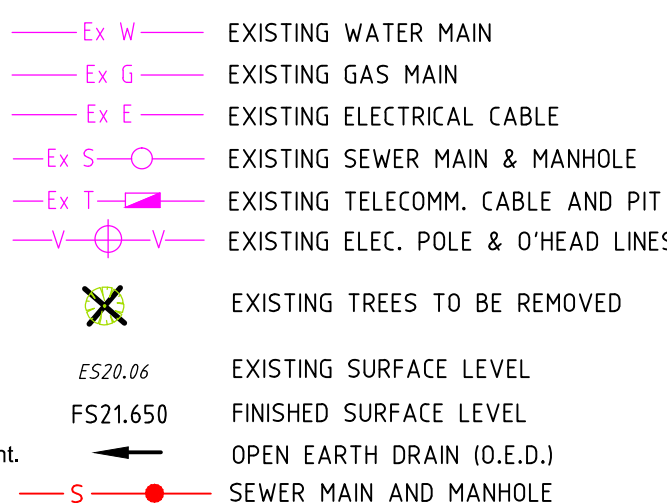


255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6888
F 61 3 9888 6880
W www.dceprofile.com

Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4084
Australia
T 61 7 3367 1732
E info@dceprofile.com

REV	AMENDMENTS	DATE	APP'D.
2	AS CONSTRUCTED	02/07/15	TL
1	FINISHED SURFACE LEVELS AMENDED	03/03/15	TL
0	ISSUED FOR CONSTRUCTION	13/02/15	TPD.

Drawn DT Date 07/03/14
Designed DT Date 01/09/14
Date 01/09/14
Verified SL Date 17/09/14
AN 1061383
Audited SL Date 05/02/15
AN 1061694
Approved TL Date 13/02/15
AN 883569
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.



C:\Users\j\Documents\1172800\1172800-MERRIFIELD - Precinct 1 - Stage 8\Acad\1172800.dwg - 11728002
Date/Time: Fri Jul 03, 2015 - 9:52am ---Byron Ashdale---

ALIGNMENT A

POINT NO	EASTING	NORTHING	RL
A1	315062.186	5843955.124	245.010
A2	315064.414	5843956.180	244.937
A3	315066.061	5843956.962	244.891

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
A1 - A2	64.849	2.300	2.603	0.359	0.267	0.642	0.591	0.651	244.983
A2 - A3	64.849	1.700	1.924	0.265	0.197	0.475	0.437	0.481	244.909

ALIGNMENT B

POINT NO	EASTING	NORTHING	RL
B1	315119.738	5843950.321	244.198
B2	315121.145	5843949.162	244.175
B3	315123.049	5843947.594	244.146

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
B1 - B2	64.849	1.700	1.924	0.265	0.197	0.475	0.437	0.481	244.185
B2 - B3	64.849	2.300	2.603	0.359	0.267	0.642	0.591	0.651	244.163

ALIGNMENT C

POINT NO	EASTING	NORTHING	RL
C1	315121.846	5843937.868	244.146
C2	315119.617	5843936.811	244.175
C3	315117.970	5843936.030	244.198

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
C1 - C2	64.849	2.300	2.603	0.359	0.267	0.642	0.591	0.651	244.163
C2 - C3	64.849	1.700	1.924	0.265	0.197	0.475	0.437	0.481	244.185

ALIGNMENT D

POINT NO	EASTING	NORTHING	RL
D1	315125.233	5843947.323	244.111
D2	315127.461	5843948.380	244.034
D3	315129.108	5843949.161	243.984

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
D1 - D2	64.849	2.300	2.603	0.359	0.267	0.642	0.591	0.651	244.081
D2 - D3	64.849	1.700	1.924	0.265	0.197	0.475	0.437	0.481	244.004

ALIGNMENT E

POINT NO	EASTING	NORTHING	RL
E1	315127.340	5843934.870	243.984
E2	315125.933	5843936.029	244.034
E3	315124.029	5843937.598	244.111

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
E1 - E2	64.849	1.700	1.924	0.265	0.197	0.475	0.437	0.481	244.004
E2 - E3	64.849	2.300	2.603	0.359	0.267	0.642	0.591	0.651	244.081

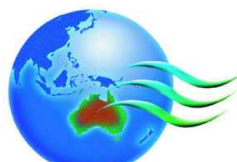
AS CONSTRUCTED



Coords: MGA
Levels: AHD

Scale @ A1/A3

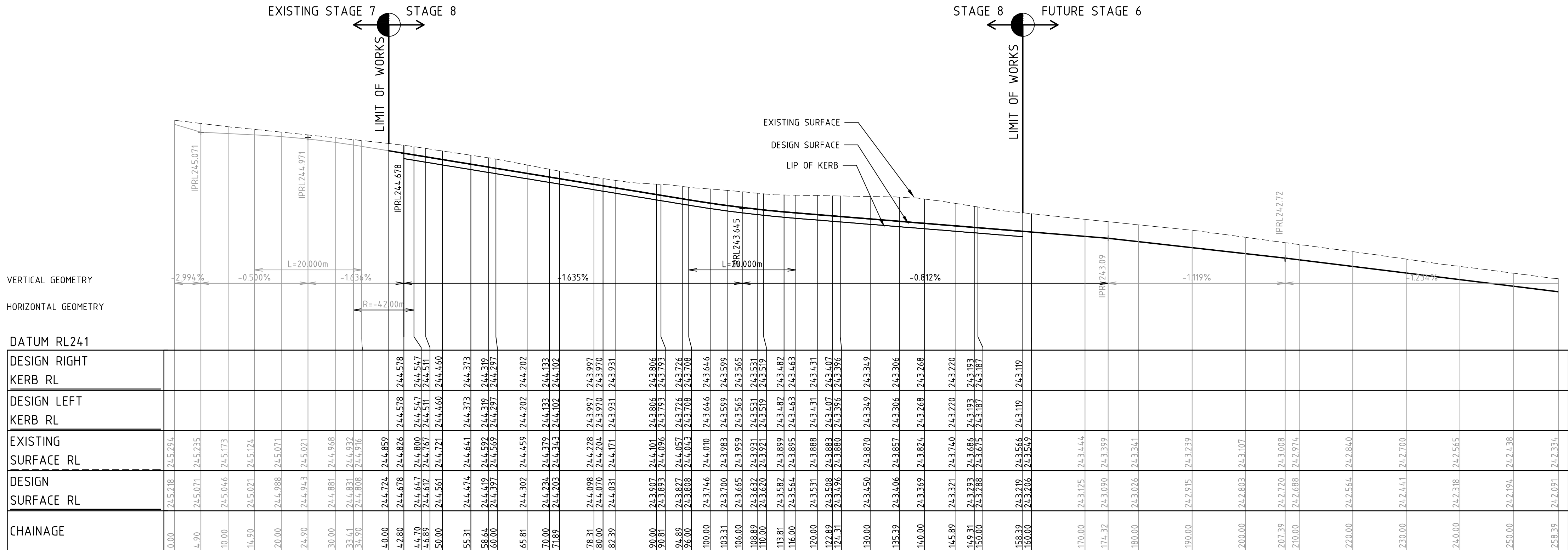
MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 8
INTERSECTION DETAILS
SHEET 2 OF 2
Drawing No. 11728ID02 Rev 1
Sheet No. 08 AS CONSTRUCTED
© Dalton Consulting Engineers Pty Ltd
ABN 78 428 221 048

 **DCE**
dalton consulting engineers
255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6888
F 61 3 9888 6880
W www.dceprofile.com
Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4084
Australia
T 61 7 3367 1732
E info@dceprofile.com

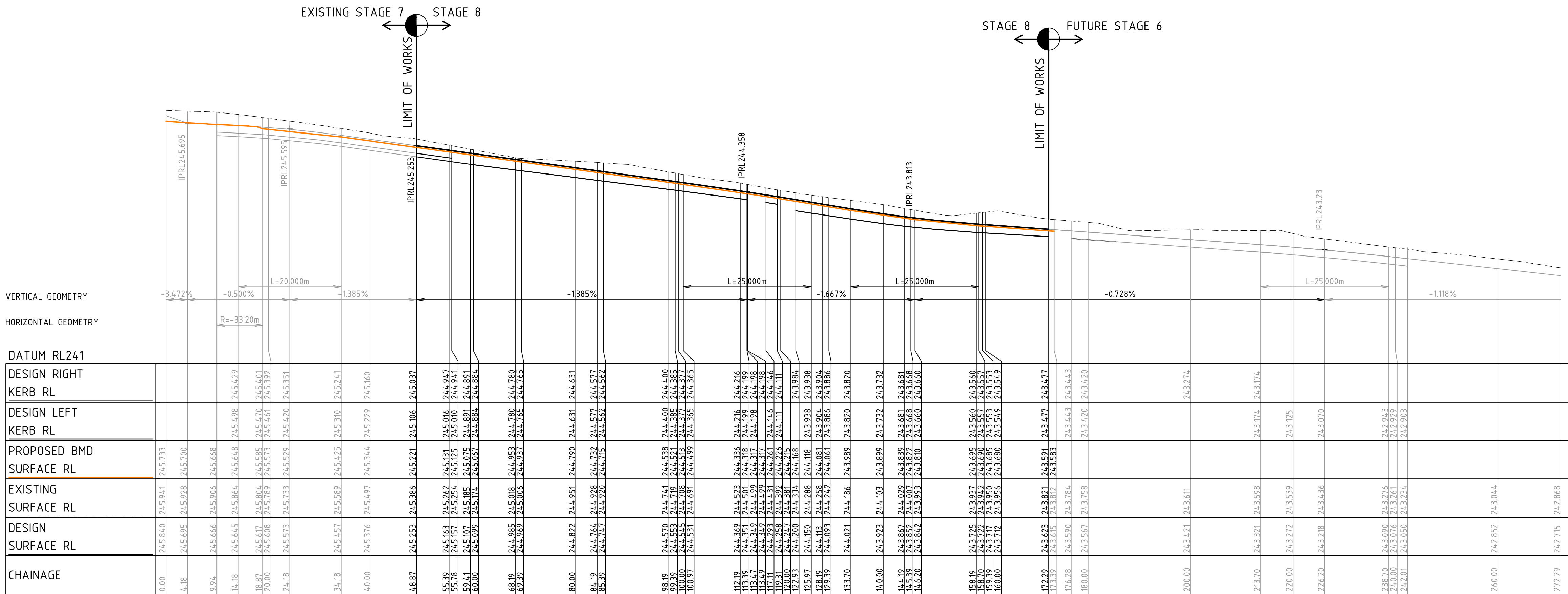
Drawn DT Date 07/03/14
Designed DT
Date 01/09/14
AN 1031067
Verified SL
Date 17/09/14
AN 1061384
Audited SL
Date 05/02/15
AN 1061695
Approved TL
Date 13/02/15
AN 883570
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.

1	AS CONSTRUCTED	02/07/15	TL
0	ISSUED FOR CONSTRUCTION	13/02/15	TL
REV	AMENDMENTS	DATE	APP'D.

Drawing File: C:\Users\pda1\11728-MERRIFIELD - Project 1 - Stage 8\Acad\11728LS01.dwg - 11728LS01
Date/Time: Fri Jul 03, 2015 - 9:52am ---Byron Ashdale---

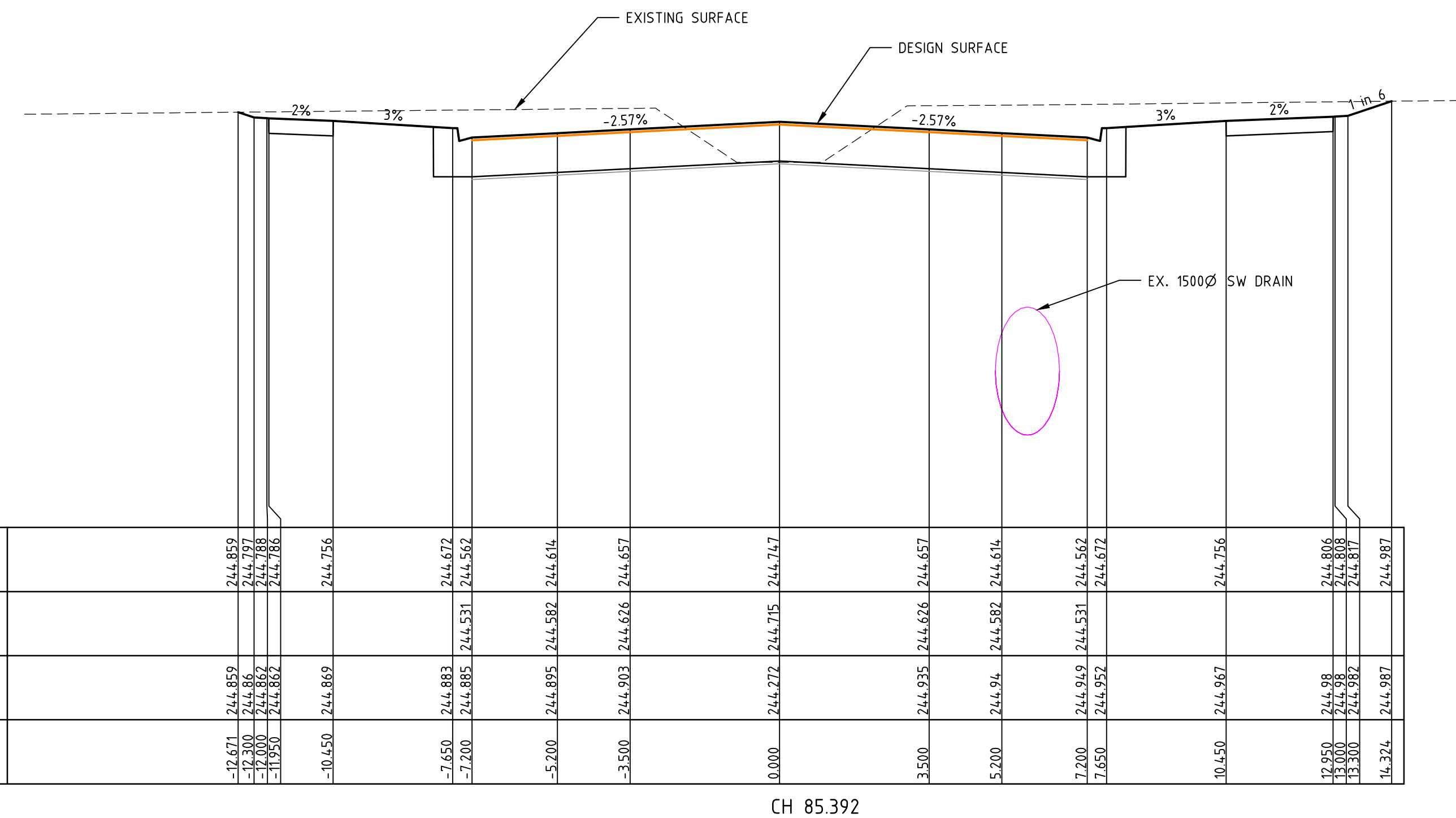
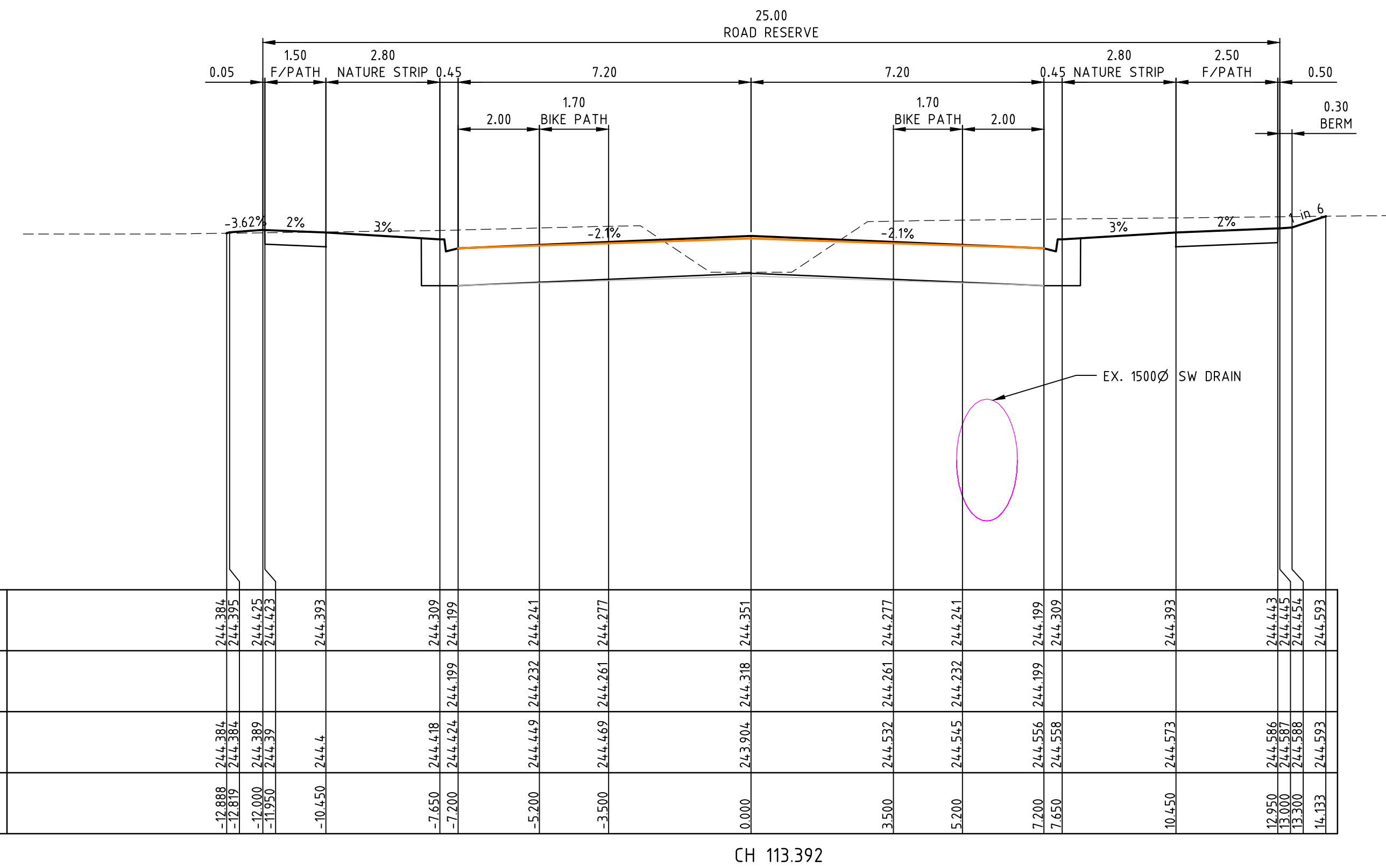


LONGITUDINAL SECTION HIGHFIELD DRIVE DESIGN LINE



LONGITUDINAL SECTION BALMAIN ROAD DESIGN LINE

REV	AMENDMENTS	DATE	APP'D.
2	AS CONSTRUCTED	02/07/15	TL
1	CHANGES AS REQUESTED BY BMD	01/05/15	TL
0	ISSUED FOR CONSTRUCTION	13/02/15	TL



AS CONSTRUCTED

2	AS CONSTRUCTED	02/07/15	TL
1	CHANGES AS REQUESTED BY BMD	01/05/15	TL
0	ISSUED FOR CONSTRUCTION	13/02/15	TL
REV	AMENDMENTS	DATE	APP'D.

Drawn DT	Date 07/03/14
Designed DT	
Date	01/09/14
AN	1031069
Verified	SL
Date	17/09/14
AN	1061396
Audited	SL
Date	05/02/15
AN	1061697
Approved TL	
Date	13/02/15
AN	883572
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

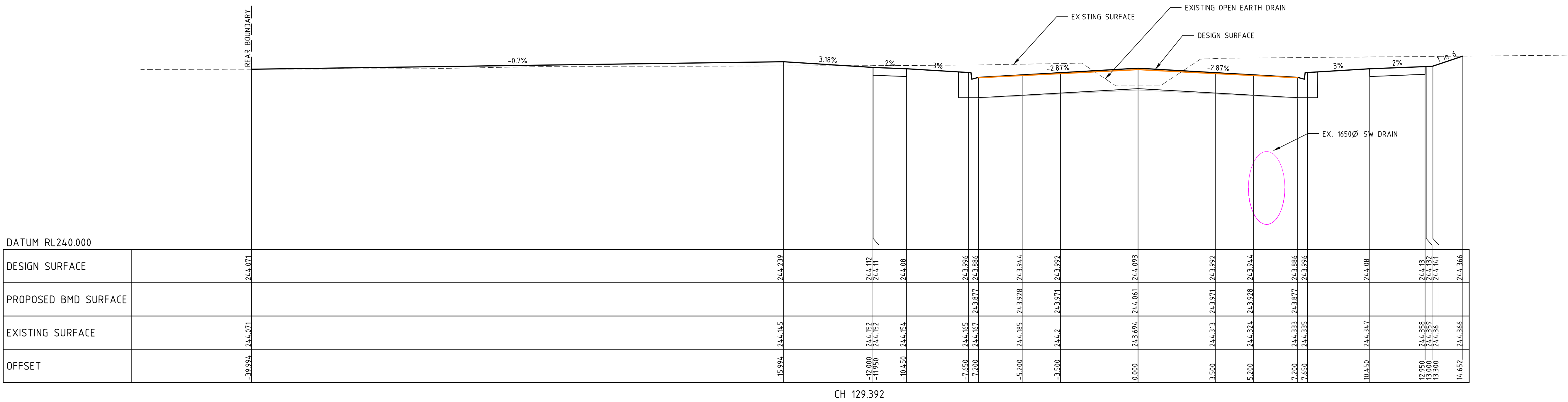
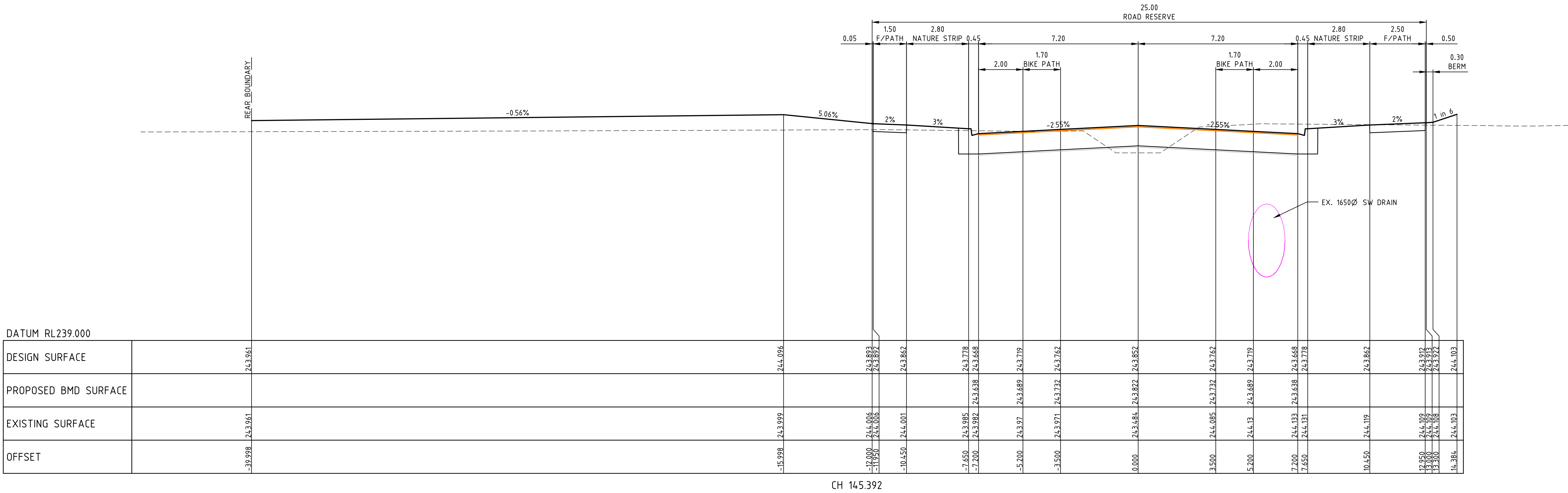
Hor 1:200 0m 2m 4m 8m 12m
Ver 1:100 0m 1m 2m 4m 6m

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

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 8
CROSS SECTIONS
SHEET 1 OF 5
Drawing No. 1172XS01 Rev 2
Sheet No. 10 AS CONSTRUCTED
© Dalton Consulting Engineers Pty Ltd
ABN 78 428 221 049



Drawing File: C:\Design\11728-MERRIFIELD - Precinct 1 - Stage 8\Acad\11728XS02.dwg - 11728XS02
Date/Time: Fri Jul 03, 2015 - 9:52am --Byron.Shade--



BALMAIN ROAD

REV	AMENDMENTS	DATE	APP'D.
2	AS CONSTRUCTED	02/07/15	TL
1	CHANGES AS REQUESTED BY BMD	01/05/15	TL
0	ISSUED FOR CONSTRUCTION	13/02/15	TL

Drawn DT Date 07/03/14
Designed DT Date 01/09/14
AN 1031070
Verified SL Date 17/09/14
AN 1061387
Audited SL Date 05/02/15
AN 1061698
Approved TL Date 13/02/15
AN 883573
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.

AS CONSTRUCTED

merrifield
MAB gpc

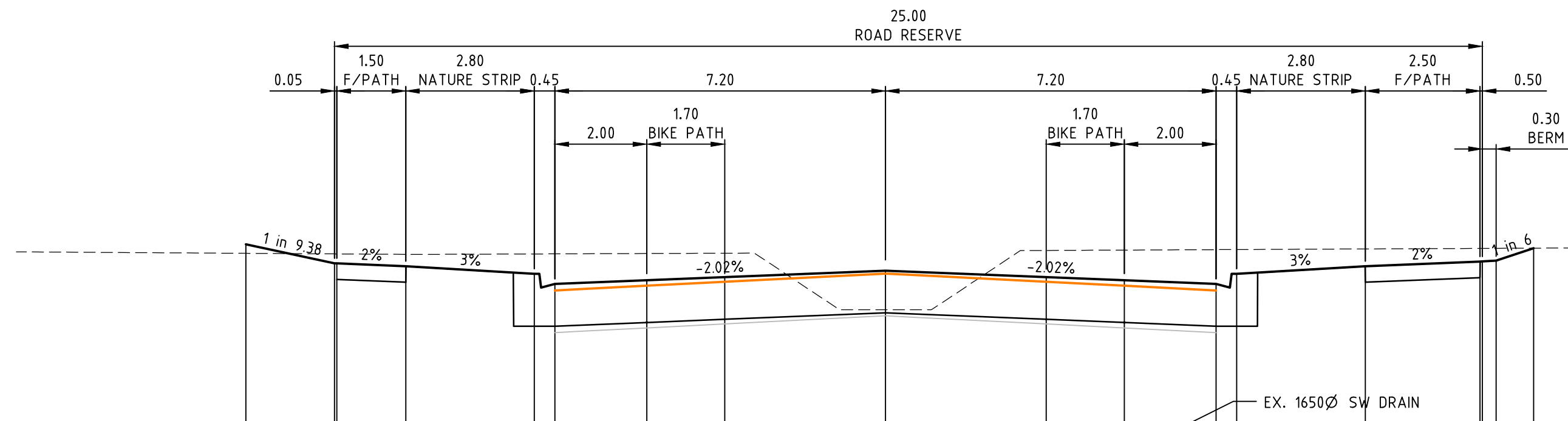
Coords: MGA
Levels: AHD
Hor 1:200 0m 2m 4m 8m 12m
Ver 1:100 0m 1m 2m 4m 6m
Scale @ A1/A3 1:200/1:400

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 8
CROSS SECTIONS
SHEET 2 OF 5
Drawing No. 11728XS02 Rev 2

© Dalton Consulting Engineers Pty Ltd
ABN 78 428 221 048

dalton consulting engineers
255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6888
F 61 3 9888 6880
W www.dceprofile.com
Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4084
Australia
T 61 7 3367 1732
E info@dceprofile.com

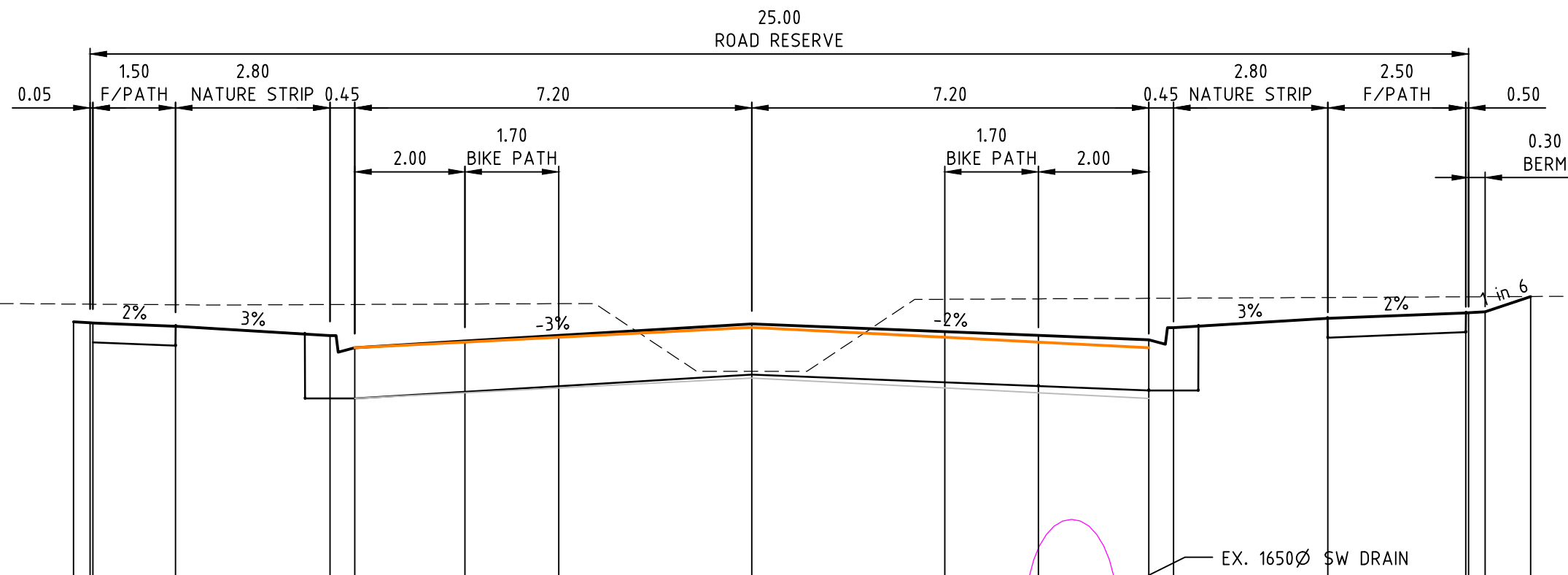
Drawing File: C:\Desig\data\11728-MERRIFIELD - Precinct 1 - Stage 8\Acad\11728XS03.dwg - 11728XS03
Date/Time: Fri Jul 03, 2015 - 9:52am ---Byron Ashde---



DATUM RL239.000

DESIGN SURFACE	243.909	243.703	243.701	243.671	243.587	243.477	243.518	243.552	243.623	243.552	243.518	243.477	243.587	243.671	243.721	243.723	243.722	243.868
PROPOSED BMD SURFACE																		
EXISTING SURFACE	243.811	243.805	243.805	243.8	243.805	243.807	243.809	243.813	243.816	243.859	243.865	243.865	243.866	243.868	243.865	243.865	243.865	243.868
OFFSET	-13.322	-12.000	-11.950	-10.450	-7.650	-7.200	-5.200	-3.500	0.000	3.500	5.200	7.200	7.650	10.450	12.950	13.000	13.300	14.116

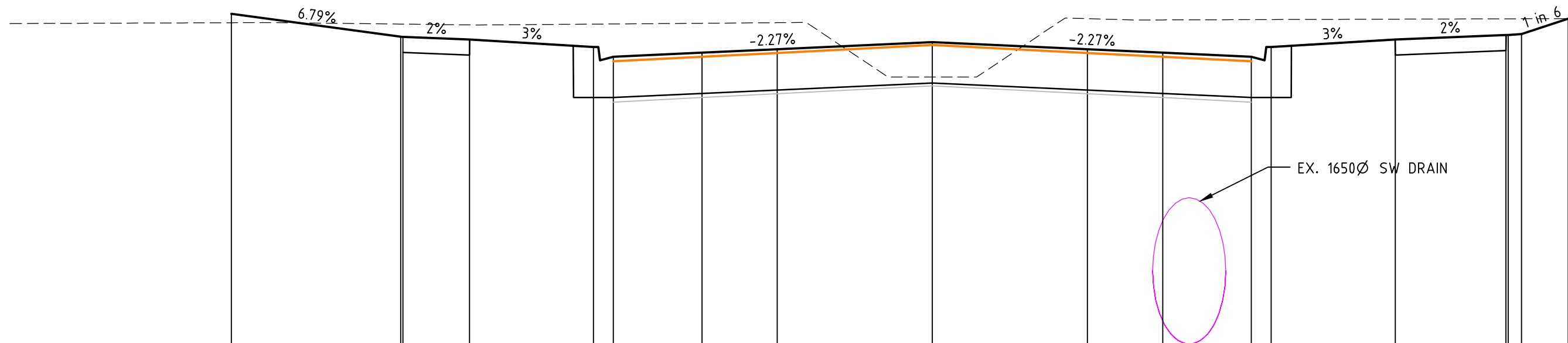
CH 172.293



DATUM RL239.000

DESIGN SURFACE	243.633	243.633	243.633	243.593	243.509	243.399	243.459	243.551	243.605	243.565	243.511	243.471	243.581	243.665	243.715	243.716	243.863
PROPOSED BMD SURFACE																	
EXISTING SURFACE	243.794	243.793	243.793	243.788	243.79	243.791	243.794	243.798	243.805	243.838	243.842	243.844	243.847	243.854	243.86	243.86	243.863
OFFSET	-12.300	-12.000	-11.950	-10.450	-7.650	-7.200	-5.200	-3.500	0.000	3.500	5.200	7.200	7.650	10.450	12.950	13.000	13.300

CH 173.392



DATUM RL239.000

DESIGN SURFACE	244.038	243.778	243.777	243.747	243.663	243.553	243.598	243.637	243.717	243.637	243.598	243.553	243.663	243.747	243.797	243.798	243.807	243.983
PROPOSED BMD SURFACE																		
EXISTING SURFACE	243.936	243.921	243.921	243.912	243.921	243.922	243.923	243.927	243.932	243.977	243.981	243.981	243.981	243.983	243.981	243.981	243.981	243.983
OFFSET	-15.824	-12.000	-11.950	-10.450	-7.650	-7.200	-5.200	-3.500	0.000	3.500	5.200	7.200	7.650	10.450	12.950	13.000	13.300	14.352

CH 159.392

BALMAIN ROAD

REV	AMENDMENTS	DATE	APP'D.
2	AS CONSTRUCTED	02/07/15	TL
1	CHANGES AS REQUESTED BY BMD	01/05/15	TL
0	ISSUED FOR CONSTRUCTION	13/02/15	TL

Drawn DT Date 07/03/14
Designed DT Date 01/09/14
AN 103107
Verified SL Date 17/09/14
AN 1061388
Audited SL Date 05/02/15
AN 1061699
Approved TL Date 13/02/15
AN 883574
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.

AS CONSTRUCTED

merrifield

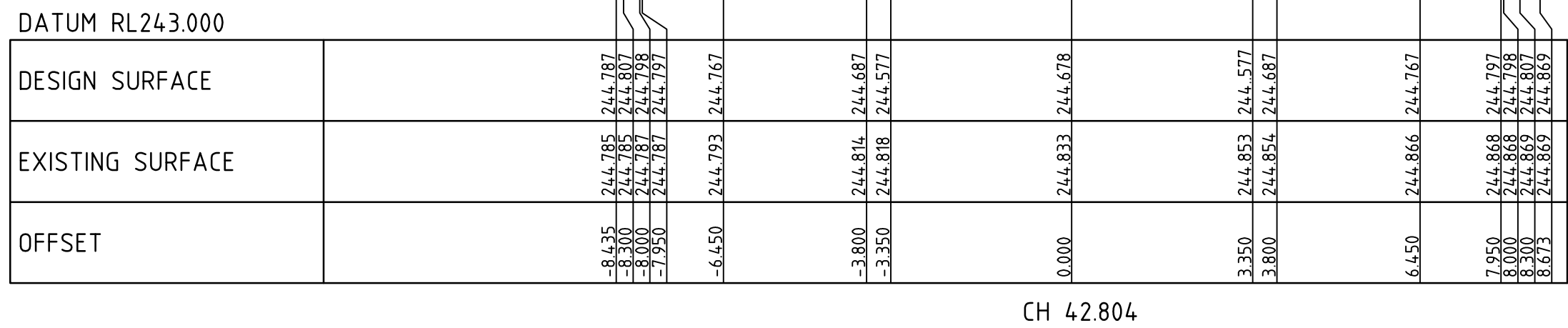
MAB gpc

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

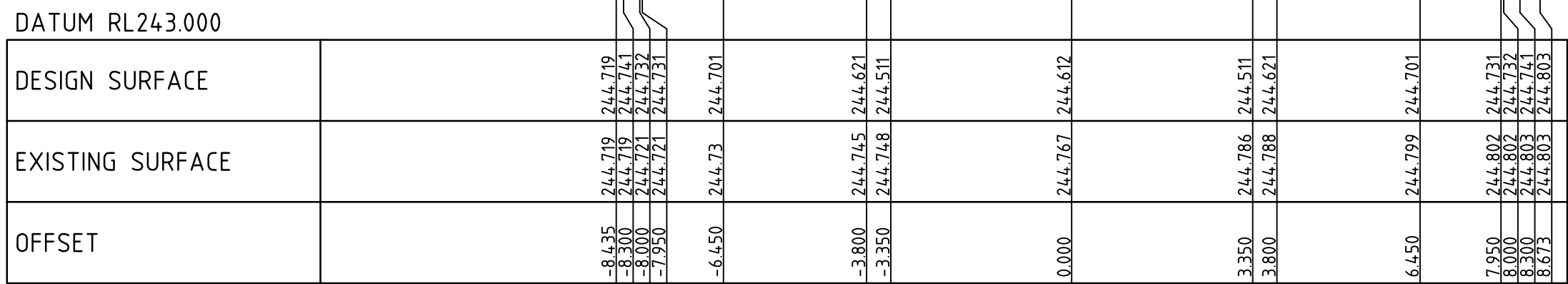
MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 8
CROSS SECTIONS
SHEET 3 OF 5
Drawing No. 11728XS03 Rev 2
Sheet No. 12 **AS CONSTRUCTED**
© Dalton Consulting Engineers Pty Ltd
ABN 78 428 221 048

DCE
dalton consulting engineers
255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6888
F 61 3 9888 6880
W www.dceprofile.com
Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4084
Australia
T 61 7 3367 1732
E info@dceprofile.com

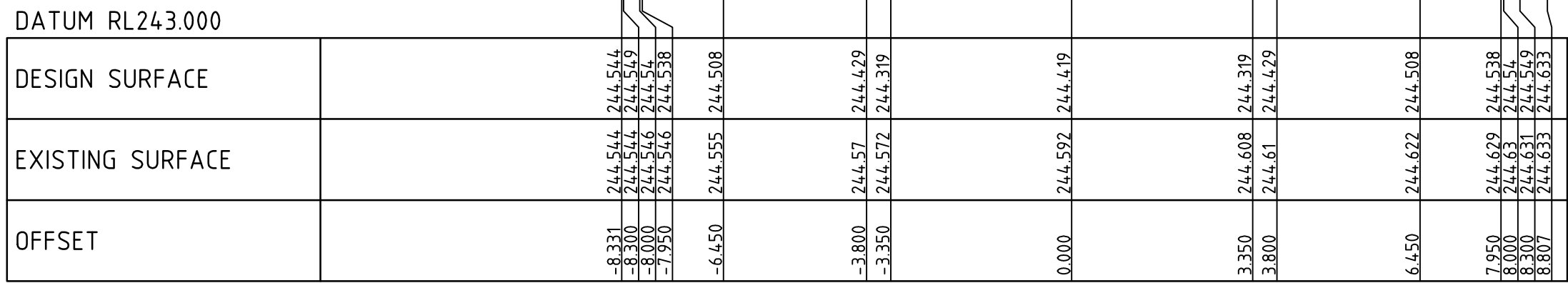
Drawing File: C:\Design\11700\11728-MERRIFIELD - Precinct 1 - Stage 8\Acad\100\11728XS04.dwg - 11728XS04
Date/Time: Fri Jul 03, 2015 - 9:52am ---Byron.Shade---



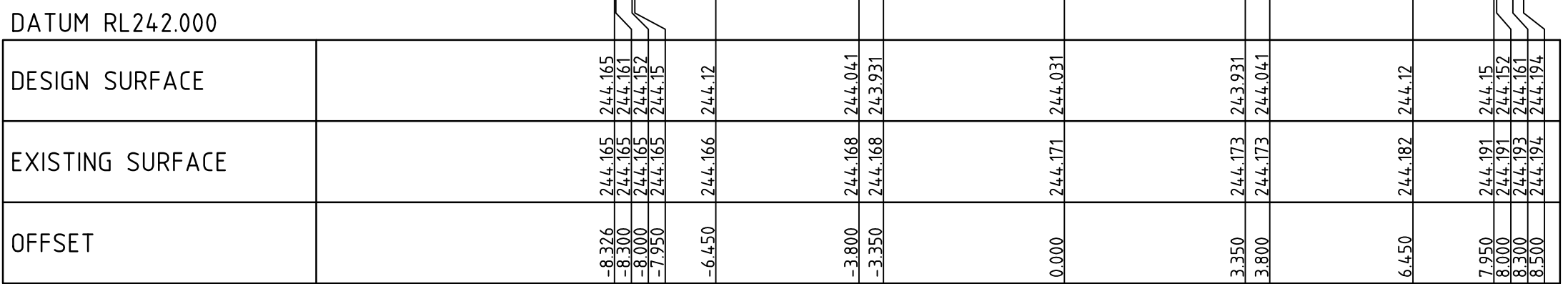
CH 42.804



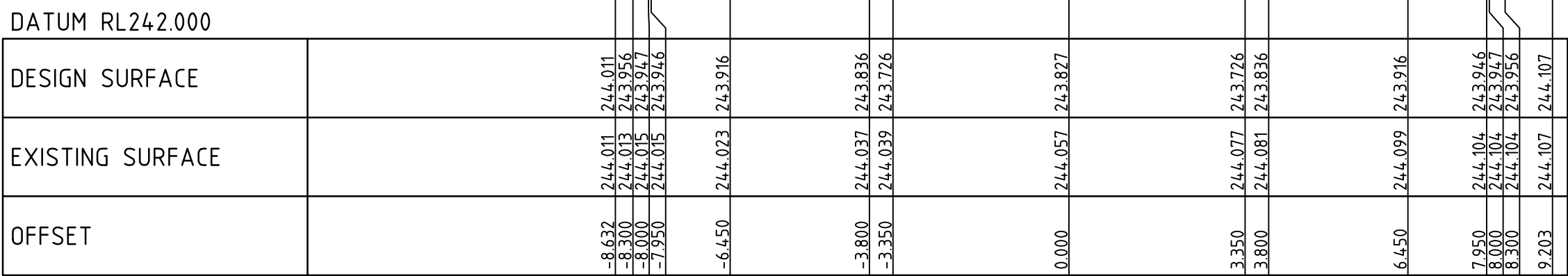
CH 46.888



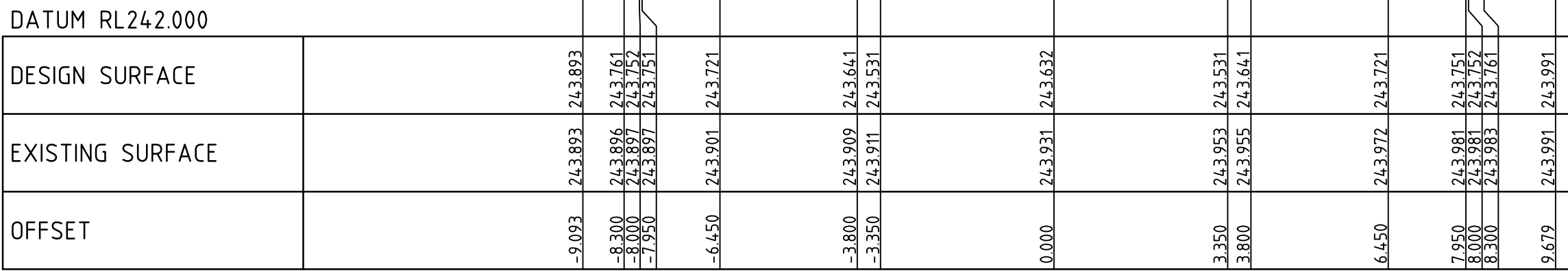
CH 58.638



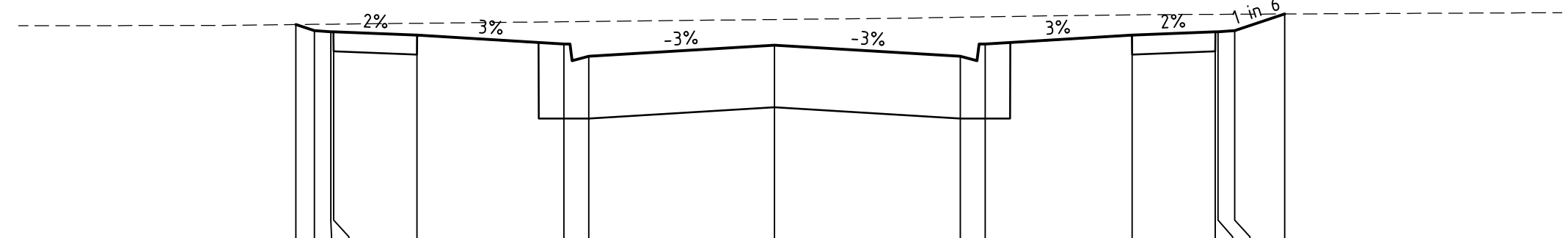
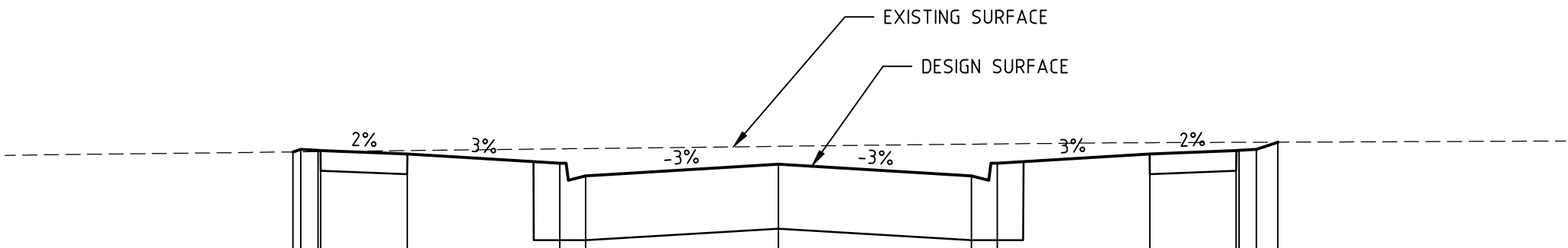
CH 82.388



CH 94.888



CH 108.888



HIGHFIELD DRIVE

AS CONSTRUCTED

REV	AMENDMENTS	DATE	APP'D.
1	AS CONSTRUCTED	02/07/15	TL
0	ISSUED FOR CONSTRUCTION	13/02/15	TL

Drawn DT Date 07/03/14
Designed DT
Date 01/09/14
AN 1031078
Verified SL
Date 17/09/14
AN 1061389
Audited SL
Date 05/02/15
AN 1061700
Approved TL
Date 13/02/15
AN 883575
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 8
CROSS SECTIONS
SHEET 4 OF 5
Drawing No. 11728XS04 Rev 1
AS CONSTRUCTED
Sheet No. 13
© Dalton Consulting Engineers Pty Ltd
ABN 78 428 221 048

DCE
dalton consulting engineers
255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6888
F 61 3 9888 6880
W www.dceprofile.com
Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4084
Australia
T 61 7 3367 1732
E info@dceprofile.com

Drawing File: C:\Designdata\11700\11728-MERRIFIELD - Precinct 1 - Stage 8\Acad\100\11728XS01.dwg - 11728XS05
Date/Time: Fri Jul 03, 2015 - 9:52am ---Byron.abude---

1	AS CONSTRUCTED	02/07/15	TL
0	ISSUED FOR CONSTRUCTION	13/02/15	TL
REV	AMENDMENTS	DATE	APP'D.

Drawn DT Date 07/03/14
Designed DT
Date 01/09/14
AN 1031172
Verified SL
Date 17/09/14
AN 1061583
Audited SL
Date 05/02/15
AN 1061701
Approved TL
Date 13/02/15
AN 883576
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.

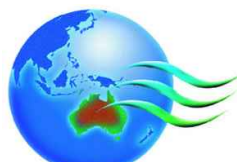
AS CONSTRUCTED

merrifield

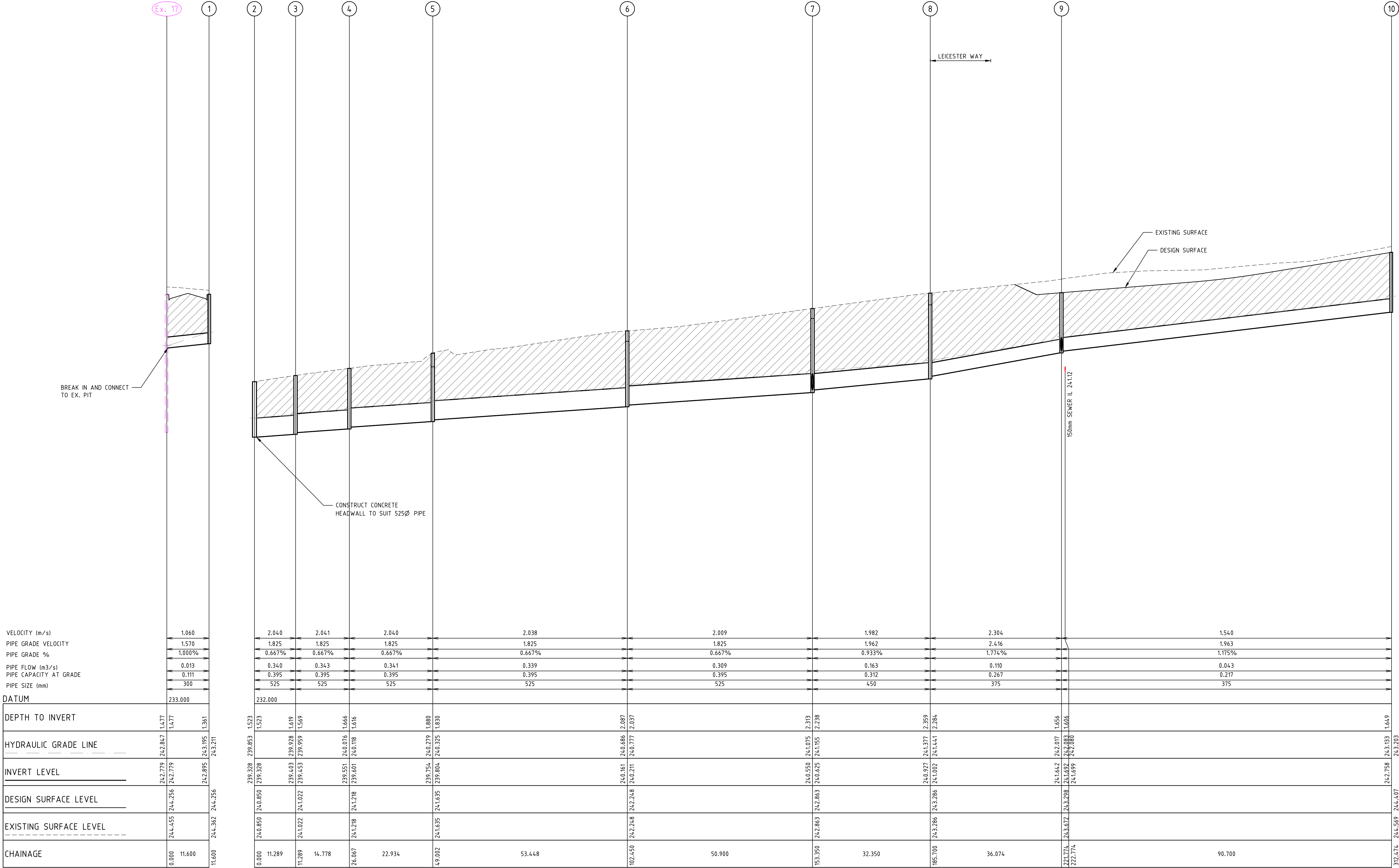
MAB gpc

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 8
CROSS SECTIONS
SHEET 5 OF 5
Drawing No. 11728XS05 Rev 1
Sheet No. 14 AS CONSTRUCTED
© Dalton Consulting Engineers Pty Ltd
ABN 78 428 221 048

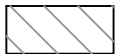
 **DCE**
dalton consulting engineers
255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6888
F 61 3 9888 6880
W www.dceprofile.com
Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4084
Australia
T 61 7 3367 1732
E info@dceprofile.com

Drawing File: C:\Design\11728-MERRIFIELD - Precinct 1 - Stage 8\Acad\11728DR01.dwg - 11728DR01
Date/Time: Fri Jul 03, 2015 - 9:52am --byron.shade--



1	AS CONSTRUCTED	02/07/15	TL
0	ISSUED FOR CONSTRUCTION	13/02/15	TL
REV	AMENDMENTS	DATE	APP'D.

Drawn DT Date 07/03/14
Designed DT Date 01/09/14
AN 1031073
Verified SL Date 17/09/14
AN 1061390
Audited SL Date 05/02/15
AN 1061702
Approved TL Date 13/02/15
AN 883577
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.



DENOTES CLASS 2 CRUSHED ROCK BACKFILL

AS CONSTRUCTED

merrifield

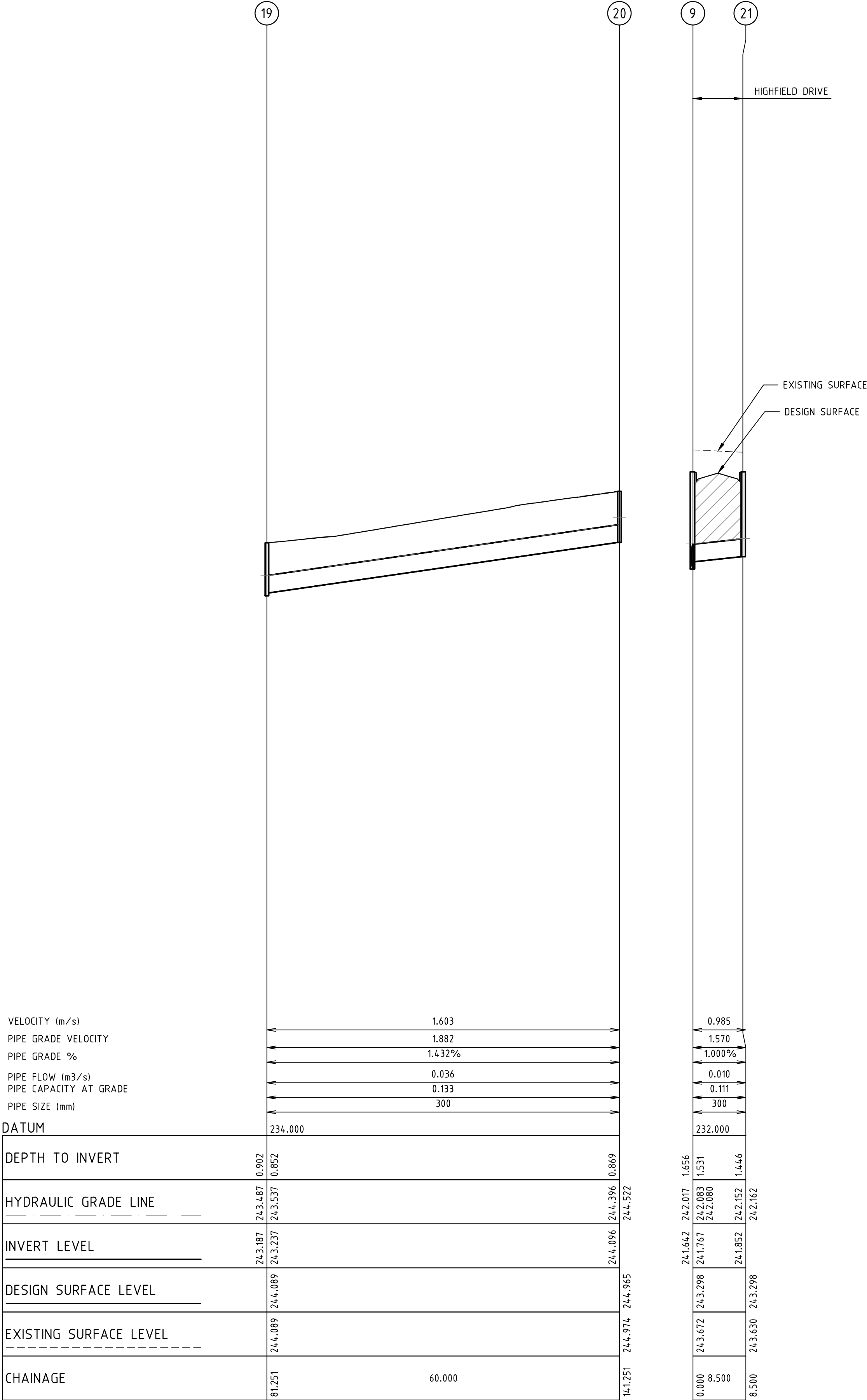
MAB gpc

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 8
DRAINAGE LONGITUDINAL SECTIONS
SHEET 1 OF 3
Drawing No. 11728DR01 Rev 1
Sheet No. 15 AS CONSTRUCTED
© Dalton Consulting Engineers Pty Ltd
ABN 78 428 221 048

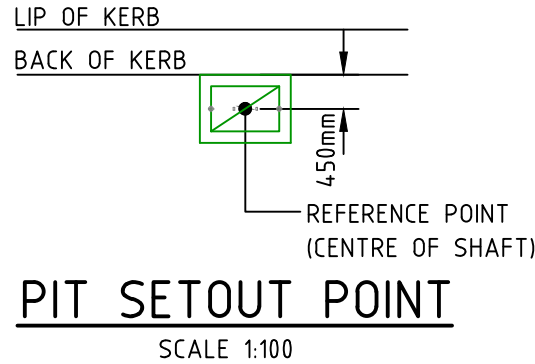
DCE
dalton consulting engineers
255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6888
F 61 3 9888 6880
W www.dceprofile.com
Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4064
Australia
T 61 7 3367 1732
E info@dceprofile.com

Drawing File: C:\Design\11728-MERRIFIELD - Precinct 1 - Stage 8\Acad\11728DR03.dwg - 11728DR03
Date/Time: Fri Jul 03, 2015 - 9:52am --Byron.Shade--



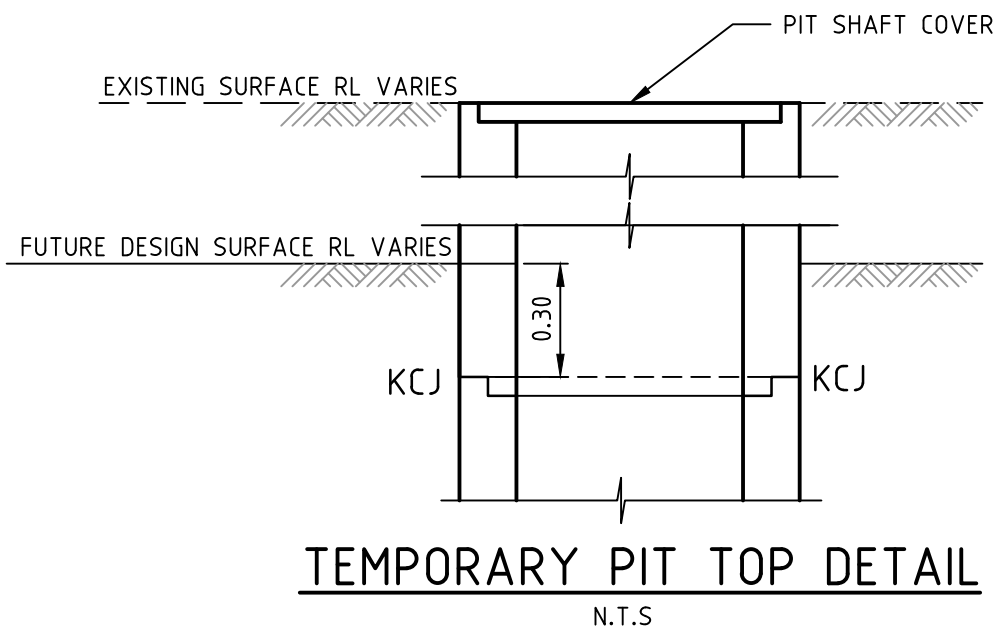
PIT		EASTING	NORTHING	INTERNAL		INLET		OUTLET		PIT		REMARKS
NAME	TYPE			WD	LEN	DIA	INV. LEV	DIA	INV. LEV	SETOUT RL	DEPTH	
EX.17	GSEP	315122.590	5843936.869	600	900	300	242.779			244.256	1.477	CONVERT EXISTING JP TO GSEP
1	GSEP	315124.014	5843948.381	600	900			300	242.895	244.256	1.361	REFER TO GAA STD DRG FIG.012
2	EW	315407.930	5843993.421			525	239.328			240.85	1.523	CONCRETE ENDWALL TO SUIT 525 DIA PIPE
3	JP	315397.538	5843989.009	600 (T)	900 (T)	525	239.453	525	239.403	241.022	1.619	HAUNCHED PIT - TEMP. JP CONVERTED TO GSEP IN FUTURE. REFER HUME CITY COUNCIL SD245
				900 (B)	900 (B)							
4	JP	315382.921	5843986.832	600 (T)	900 (T)	525	239.601	525	239.551	241.218	1.666	HAUNCHED PIT - TEMP. JP CONVERTED TO GSEP IN FUTURE. REFER HUME CITY COUNCIL SD245
				900 (B)	900 (B)							
5	JP	315360.160	5843989.648	600 (T)	900 (T)	525	239.804	525	239.754	241.635	1.880	HAUNCHED PIT - TEMP. JP CONVERTED TO GSEP IN FUTURE. REFER HUME CITY COUNCIL SD245
				900 (B)	900 (B)							
6	JP	315307.116	5843996.211	600 (T)	900 (T)	525	240.211	525	240.161	242.248	2.087	HAUNCHED PIT - TEMP. JP CONVERTED TO GSEP IN FUTURE. REFER HUME CITY COUNCIL SD245
				900 (B)	900 (B)							
7	JP	315256.602	5844002.461	600 (T)	900 (T)	450	240.625	525	240.550	242.863	2.313	HAUNCHED PIT - TEMP. JP CONVERTED TO GSEP IN FUTURE. REFER HUME CITY COUNCIL SD245
				900 (B)	900 (B)	450	240.625					
8	JP	315224.496	5844006.433	600 (T)	900 (T)	375	241.002	450	240.927	243.286	2.359	HAUNCHED PIT - TEMP. JP CONVERTED TO GSEP IN FUTURE. REFER HUME CITY COUNCIL SD245
				900 (B)	900 (B)							
9	GSEP	315188.695	5844010.862	600	900	375	241.692	375	241.642	243.298	1.656	REFER TO GAA STD DRG FIG.012
						375	241.692					
						300	241.767					
10	GSEP	315098.681	5844021.998	600	900	300	242.733	375	242.658	244.407	1.749	REFER TO GAA STD DRG FIG.012
11	GSEP	315099.725	5844030.434	600	900			300	243.045	244.407	1.361	REFER TO GAA STD DRG FIG.012
12	JP	315257.645	5844010.896	600	900	450	240.731	450	240.681	242.819	2.138	HAUNCHED PIT - TEMP. JP CONVERTED TO GSEP IN FUTURE. REFER HUME CITY COUNCIL SD245
13	JP	315250.427	5844020.153	600	900	375	240.885	450	240.810	242.887	2.078	HAUNCHED PIT - TEMP. JP CONVERTED TO GSEP IN FUTURE. REFER HUME CITY COUNCIL SD245
14	JP	315241.991	5844021.196	600	900	375	240.991	375	240.941	243.004	2.063	HAUNCHED PIT - TEMP. JP CONVERTED TO GSEP IN FUTURE. REFER HUME CITY COUNCIL SD245
15	JP	315244.748	5844043.476	600	900	300	241.216	375	241.141	242.893	1.752	REFER TO GAA STD DRG FIG.014
16	JP	315164.113	5844053.452	600	600	225	242.807	300	242.732	243.593	0.862	REFER TO GAA STD DRG FIG.014
17	JP	315101.093	5844061.249	600	600			225	243.540	244.399	0.859	REFER TO GAA STD DRG FIG.014
18	JP	315184.527	5843977.170	600	600	300	242.871	375	242.796	243.75	0.953	REFER TO GAA STD DRG FIG.014
19	JP	315137.583	5843982.977	600	600	300	243.237	300	243.187	244.089	0.902	REFER TO GAA STD DRG FIG.014
20	JP	315078.037	5843990.344	600	600			300	244.096	244.965	0.869	REFER TO GAA STD DRG FIG.014
21	GSEP	315189.739	5844019.298	600	900			300	241.852	243.298	1.446	REFER TO GAA STD DRG FIG.012

KEY:
GSEP = GRATED SIDE ENTRY PIT
JP = JUNCTION PIT
EW = ENDWALL
PP = PIPE TO PIPE CONNECTION
(T) = TOP INTERNAL PIT DIMENSION
(B) = BOTTOM INTERNAL PIT DIMENSION



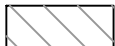
NOTES :

- EASTING, NORTHING SETOUT TO CENTRE OF PIT COVER SHAFT.
- SETOUT LEVEL TO PIT COVER LEVEL.
- EASTING, NORTHING ENDWALL SETOUT POINTS QUOTED TO PIPE BASE CENTRE.
- ALL PIT COVERS TO BE IN ACCORDANCE TO GROWTH AREAS AUTHORITY STD FIGURE 012.
- ALL TEMPORARY JUNCTION PITS (JP) TO BE CONSTRUCTED WITH KEYED CONSTRUCTION JOINTS (K.C.J) FOR FUTURE SEP CONVERSION
- ALL DRAINAGE WORKS ARE TO BE CONSTRUCTED TO GROWTH AREA AUTHORITY (GAA) SPECIFICATIONS.
- PIT BASE TO BE SHAPED WITH MASS CONCRETE FOR SMOOTH HYDRAULIC FLOW.
- ALL STORMWATER DRAINS ARE TO BE CLASS 2 R.C. OR RIGID F.R.C. PIPES WITH ADCOL FLEXIBLE COLLARS UNLESS NOTED OTHERWISE. ALL PIPES UP TO AND INCLUDING 750mm DIA. ARE TO BE RUBBER RING JOINTED. INTERLOCKING / FLUSH JOINTS WITH EXTERNAL BANDS CAN ONLY BE USED ON PIPE SIZES OVER 600mm DIA.
- ALL HAUNCHED PITS SHALL BE CONSTRUCTED IN ACCORDANCE WITH VICROADS SD1001 TO SD1023.



1	AS CONSTRUCTED	02/07/15	TL
0	ISSUED FOR CONSTRUCTION	13/02/15	TL
REV	AMENDMENTS	DATE	APP'D.

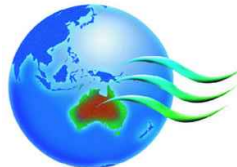
Drawn DT Date 07/03/14
Designed DT
Date 01/09/14
AN 1031169
Verified SL
Date 17/09/14
AN 1061584
Audited SL
Date 05/02/15
AN 1061704
Approved TL
Date 13/02/15
AN 883579
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.

 DENOTES CLASS 2 CRUSHED ROCK BACKFILL

AS CONSTRUCTED

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 8
DRAINAGE LONGITUDINAL SECTIONS
SHEET 3 OF 3
Drawing No. 11728DR03 Rev 1
AS CONSTRUCTED
Sheet No. 17
© Dalton Consulting Engineers Pty Ltd
ABN 78 428 221 048
W www.dceprofile.com


dalton consulting engineers
Suite 17
46 Douglas Street
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6888
F 61 3 9888 6880
E info@dceprofile.com

Downing File C:\design\11700\11728-MERRIFIELD - Precinct 1 - Stage 8\Acad\100\11728POS01.dwg -- 11728POS01
Date/Time: Fri Jul 03, 2015 - 9:53am --Byron.Shade---

PLAN OF SUBDIVISION		LV use only EDITION	Plan Number PS 724938X	
Parish: MICKLEHAM Township: - Section: - Crown Allotment: - Crown Portion: 24 (PART) Title Reference: VOL FOL Last Plan Reference: LOT F ON PS724936C Postal Address: DONNYBROOK ROAD (at time of subdivision) MICKLEHAM 3064 MGA 94 Co-ordinates E 314920 (of approx. centre of land in plan) N 5844060 Zone: 55		Council Name: HUME CITY COUNCIL Council Ref:		
Vesting of Roads and/or Reserves		Notations		
Identifier	Council/Body/Person	Staging This is is not a staged subdivision Planning Permit No. P16701		
ROAD R1	HUME CITY COUNCIL	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 Depth Limitation DOES NOT APPLY		
OTHER PURPOSE OF PLAN TO REMOVE THAT PART OF DRAINAGE EASEMENT E-4 ON PS724936C NOW CONTAINED IN BALMAIN ROAD ON THIS PLAN. TO REMOVE THAT PART OF DRAINAGE AND SEWERAGE EASEMENT E-12 ON PS724936C NOW CONTAINED IN HIGHFIELD DRIVE ON THIS PLAN. TO REMOVE THAT PART OF DRAINAGE EASEMENT E-10 ON PS724936C AFFECTING LOTS 806 TO 810 (BOTH INCLUSIVE) ON THIS PLAN. LAND SUBDIVIDED (EXCLUDING LOT G) - 2.002ha LOTS 1 TO 800 AND A TO F (ALL INCLUSIVE) HAVE BEEN OMITTED FROM THIS PLAN EASEMENTS E-2, E-7, E-8 AND E-9 HAVE BEEN OMITTED FROM THIS PLAN TANGENT POINTS ARE SHOWN THUS:				
GROUNDINGS FOR REMOVAL OF EASEMENTS AGREEMENT BY ALL INTERESTED PARTIES.				
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	PS711404L	HUME CITY COUNCIL
E-1	SEWERAGE	SEE DIAG	PS711404L	YARRA VALLEY WATER CORPORATION
E-3	DRAINAGE	SEE DIAG	PS714641E	HUME CITY COUNCIL
E-3	SEWERAGE	SEE DIAG	PS714641E	YARRA VALLEY WATER CORPORATION
E-4	DRAINAGE	SEE DIAG	PS711404L	HUME CITY COUNCIL
E-5	DRAINAGE	SEE DIAG	PS714645V	HUME CITY COUNCIL
E-5	SEWERAGE	SEE DIAG	PS714645V	YARRA VALLEY WATER CORPORATION
E-6	TRANSMISSION OF ELECTRICITY	SEE DIAG	C/E AL349952C	JEMENA ELECTRICITY NETWORKS (VIC) LTD
E-6	DRAINAGE	SEE DIAG	PS711404L	HUME CITY COUNCIL
E-6	SEWERAGE	SEE DIAG	PS711404L	YARRA VALLEY WATER CORPORATION
E-10	DRAINAGE	SEE DIAG	PS714640G	HUME CITY COUNCIL
E-11	TRANSMISSION OF ELECTRICITY	SEE DIAG	C/E AL349952C	JEMENA ELECTRICITY NETWORKS (VIC) LTD
E-12	DRAINAGE	SEE DIAG	PS724936C	HUME CITY COUNCIL
E-12	SEWERAGE	SEE DIAG	PS724936C	YARRA VALLEY WATER CORPORATION
E-13	TRANSMISSION OF ELECTRICITY	SEE DIAG	C/E AL349952C	JEMENA ELECTRICITY NETWORKS (VIC) LTD
E-13	DRAINAGE	SEE DIAG	PS711404L	HUME CITY COUNCIL
E-14	DRAINAGE	SEE DIAG	PS724936C	HUME CITY COUNCIL
SEE SHEET 2 FOR CONTINUATION				
MERRIFIELD - 8		LICENSED SURVEYOR (PRINT) GEOFFREY JAMES TURNER		Sheet 1 of 10 sheets
36 LOTS AND BALANCE LOT G		SIGNATURE ..DIGITALLY SIGNED..... DATE / /		Original sheet size A3
Bosco Jonson Pty Ltd A.B.N 15 169 138 827 P.O. Box 5075, South Melbourne, Vic 3205 16 Eastern Road South Melbourne Vic 3205 Australia Tel 03) 9699 1400 Fax 03) 9699 5992		REF 29005083 23/01/15 VERSION G DWG 2900508AG		

PLAN OF SUBDIVISION			Plan Number PS 724938X	
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-15	POWERLINE	SEE DIAG	PS724936C - SEC. 88 ELECTRICITY INDUSTRY ACT 2000	JEMENA ELECTRICITY NETWORKS (VIC) LTD
E-15	DRAINAGE	SEE DIAG	PS724936C	HUME CITY COUNCIL
E-15	SEWERAGE	SEE DIAG	PS724936C	YARRA VALLEY WATER CORPORATION
E-16	POWERLINE	SEE DIAG	PS724936C - SEC. 88 ELECTRICITY INDUSTRY ACT 2000	JEMENA ELECTRICITY NETWORKS (VIC) LTD
E-17	DRAINAGE	SEE DIAG	THIS PLAN	HUME CITY COUNCIL
E-17	SEWERAGE	SEE DIAG	THIS PLAN	YARRA VALLEY WATER CORPORATION
E-18	DRAINAGE	SEE DIAG	PS714640G	HUME CITY COUNCIL
E-18	SEWERAGE	SEE DIAG	THIS PLAN	YARRA VALLEY WATER CORPORATION
MERRIFIELD - 8				
Bosco Jonson Pty Ltd A.B.N 15 169 138 827 P.O. Box 5075, South Melbourne, Vic 3205 16 Eastern Road South Melbourne Vic 3205 Australia Tel 03) 9699 1400 Fax 03) 9699 5992			LICENSED SURVEYOR (PRINT) GEOFFREY JAMES TURNER SIGNATURE ..DIGITALLY SIGNED..... DATE / / REF 29005083 23/01/15 VERSION G DWG 2900508AG	
Sheet 2			Original sheet size A3	

1	AS CONSTRUCTED	02/07/15	TL
0	ISSUED FOR CONSTRUCTION	13/02/15	TL
REV	AMENDMENTS	DATE	APP'D.

Drawn DT Date 07/03/14
Designed DT
Date 01/09/14
AN 1031073
Verified SL
Date 17/09/14
AN 1061392
Audited SL
Date 05/02/15
AN 1061705
Approved TL
Date 13/02/15
AN 883580
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.

AS CONSTRUCTED

merrifield

MAB gpc

Coords: MGA
Levels: AHD

Scale @ A1/A3

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 8
PLAN OF SUBDIVISION
SHEET 1 OF 3
Drawing No. 11728POS01 Rev 1
Sheet No. 18 AS CONSTRUCTED
© Dalton Consulting Engineers Pty Ltd
ABN 78 428 221 048

dalton consulting engineers

255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6888
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: C:\Users\james\Documents\11728-MERRIFIELD - Precinct 1 - Stage 8\Acad\11728POS02.dwg - 11728POS02
Date/Time: Fri Jul 03, 2015 - 9:53am --Byron.Shade--

1	AS CONSTRUCTED	02/07/15	TL
0	ISSUED FOR CONSTRUCTION	13/02/15	PD
REV	AMENDMENTS	DATE	APP'D.

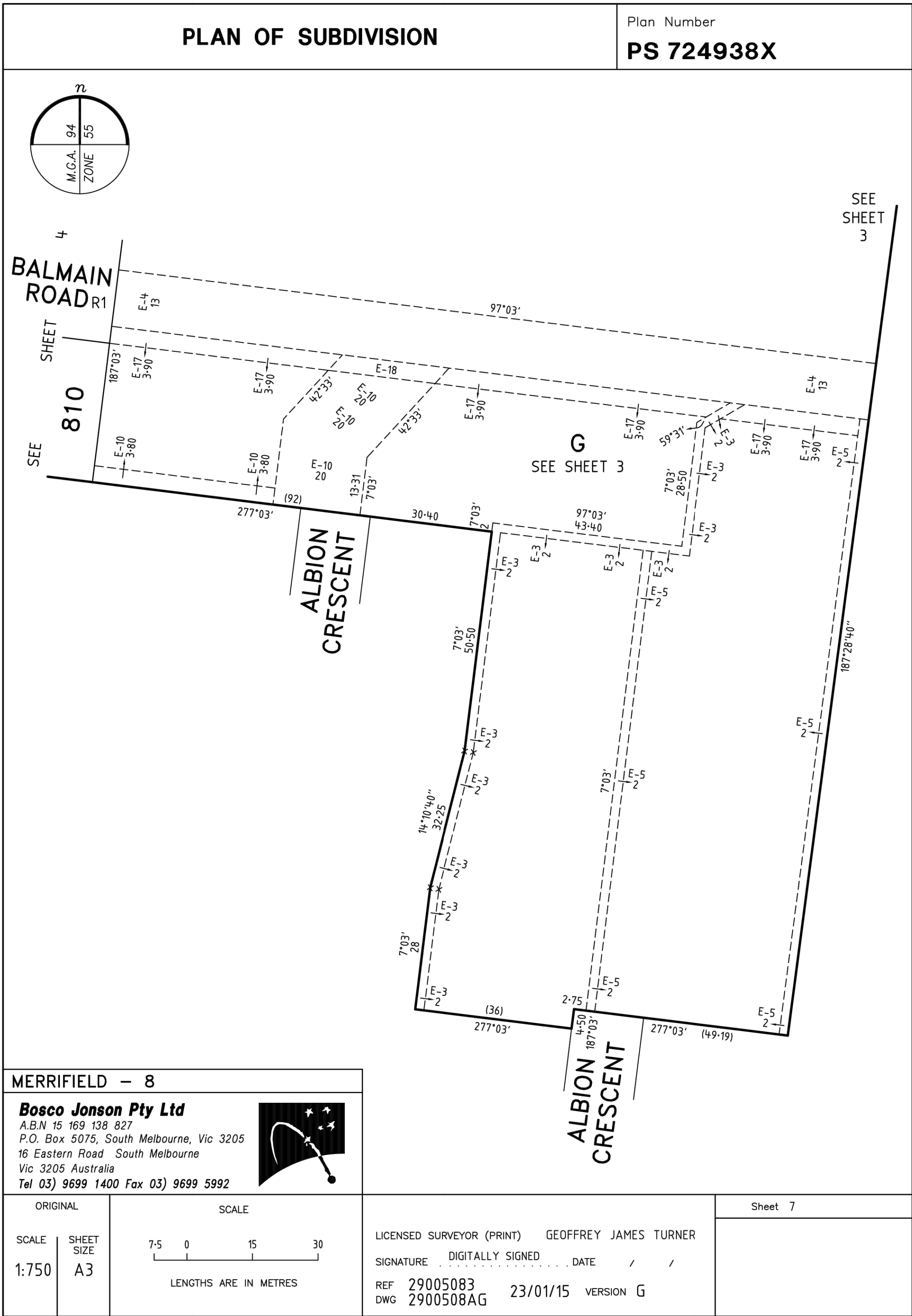
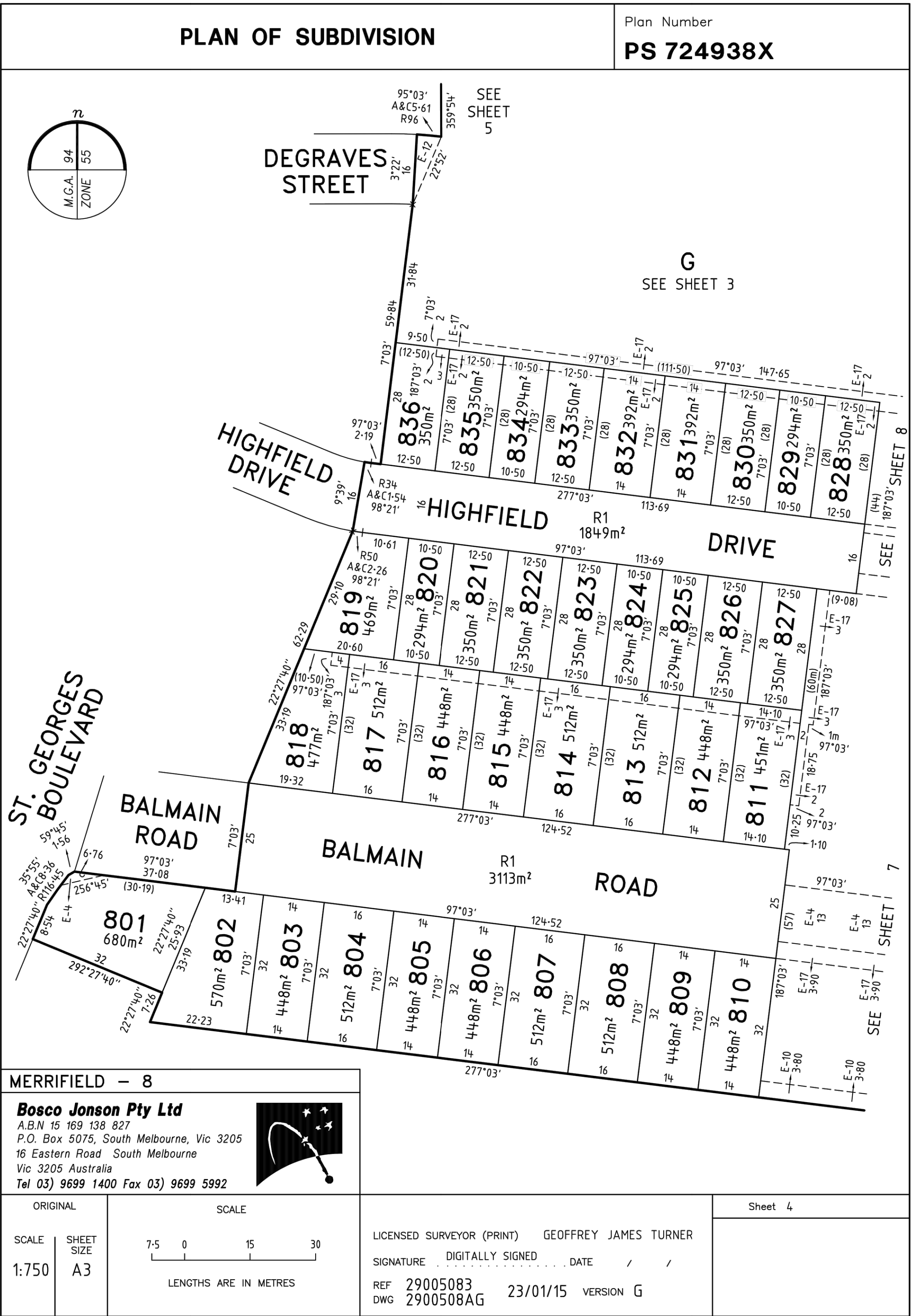
Drawn DT Date 07/03/14
Designed DT Date 01/09/14
AN 1031181
Verified SL Date 17/09/14
AN 1061604
Audited SL Date 05/02/15
AN 1061706
Approved TL Date 13/02/15
AN 883581
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.

AS CONSTRUCTED

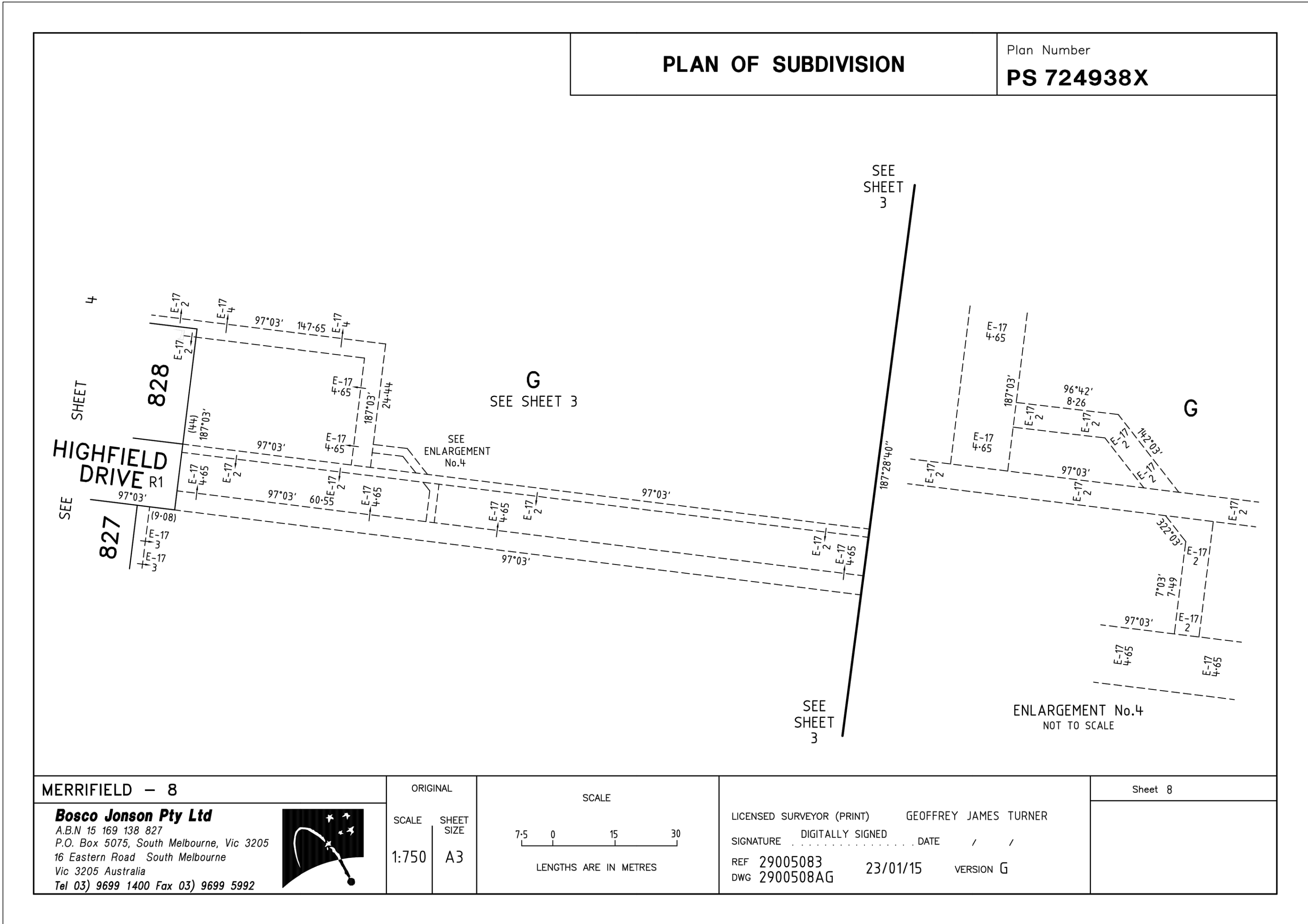
merrifield
MAB gpc
Coords: MGA
Levels: AHD
Scale @ A1/A3

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 8
PLAN OF SUBDIVISION
SHEET 2 OF 3
Drawing No. 11728POS02 Rev 1
Sheet No. 19 AS CONSTRUCTED
© Dalton Consulting Engineers Pty Ltd
ABN 78 428 221 048

DCE
dalton consulting engineers
255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6888
F 61 3 9888 6880
W www.dceprofile.com
Suite 17
PO Box 1178
Milton QLD 4064
Australia
T 61 7 3367 1732
E info@dceprofile.com



Drawing File: C:\Users\jtd\Documents\11728-MERRIFIELD - Precinct 1 - Stage 8\Acad\11728POS01.dwg - 11728POS03
Date/Time: Fri Jul 03, 2015 - 9:53am ---Byron.Shade---



1	AS CONSTRUCTED	02/07/15	TL
0	ISSUED FOR CONSTRUCTION	13/02/15	TL
REV	AMENDMENTS	DATE	APP'D.

Drawn DT Date 07/03/14
Designed DT Date 01/09/14
AN 1031182
Verified SL Date 17/09/14
AN 1061605
Audited SL Date 05/02/15
AN 1061707
Approved TL Date 13/02/15
AN 883582
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.

AS CONSTRUCTED

merrifield

MAB gpc

Coords: MGA
Levels: AHD

Scale @ A1/A3

MERRIFIELD DEVELOPMENT

DONNYBROOK ROAD, MICKLEHAM

STAGE 8

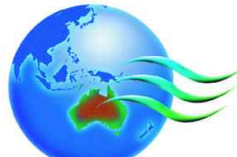
PLAN OF SUBDIVISION

SHEET 3 OF 3

Drawing No. 11728POS03 Rev 1

Sheet No. 20 AS CONSTRUCTED

© Dalton Consulting Engineers Pty Ltd
ABN 78 428 221 048

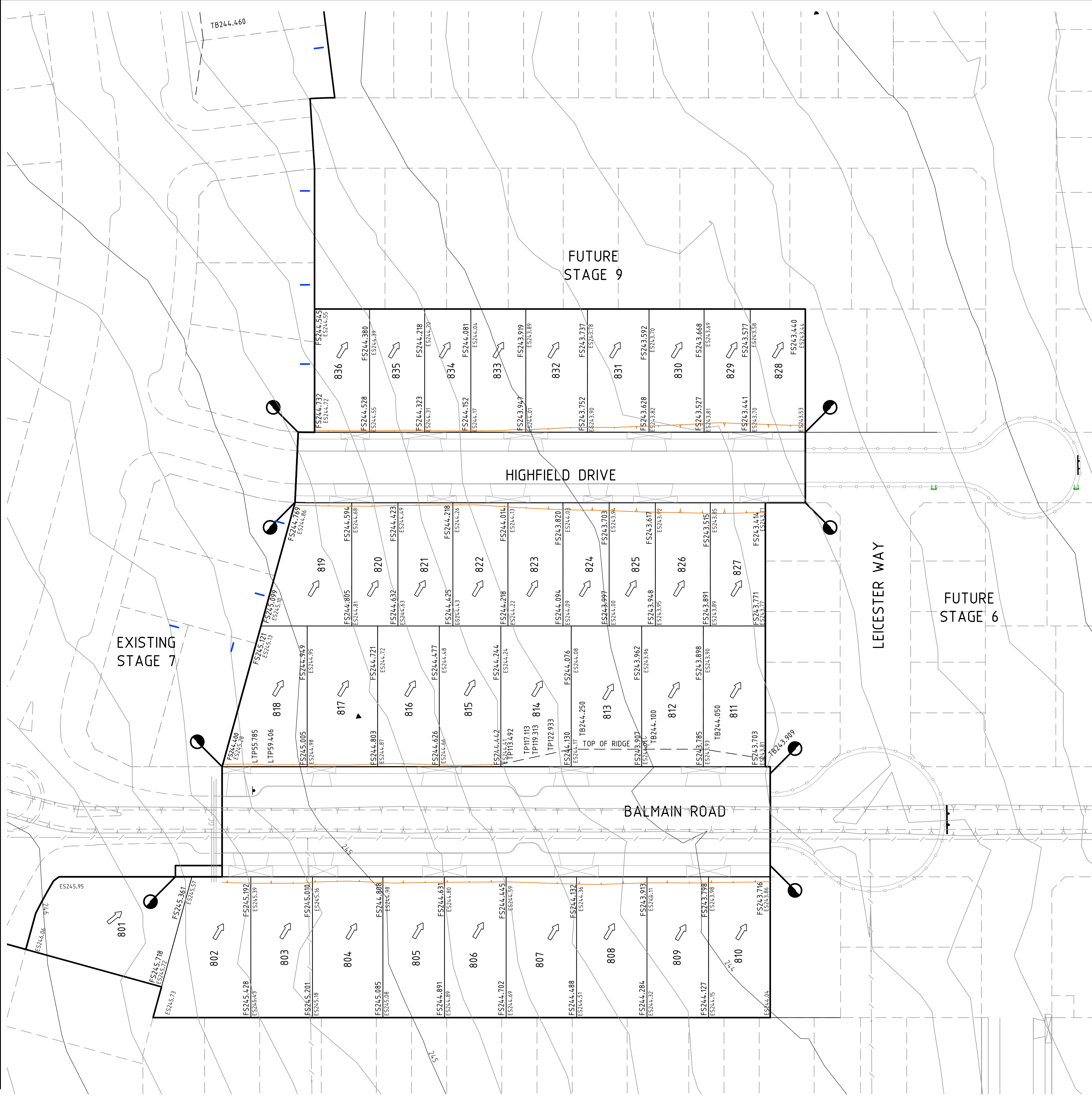
DCE

dalton consulting engineers

255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6888
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: C:\Users\merrifield\11728-MERRIFIELD - Precinct 1 - Stage 8\Acad\11728FP01.dwg - 11728FP01
Date/Time: Fri Jul 03, 2015 - 9:53am --Byron.Shade--



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.

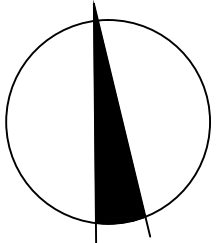
THE AREA MARKED THUS  ON THIS PLAN INDICATES FILL DEEPER THAN 200mm PLACED ON ALLOTMENTS.

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

REV	AMENDMENTS	DATE	APP'D.
2	AS CONSTRUCTED	02/07/15	TL
1	FINISHED SURFACE LEVELS AMENDED	03/03/15	TL
0	ISSUED FOR CONSTRUCTION	13/02/15	TL

Drawn DT Date 07/03/14
Designed DT Date 01/09/14
AN 1031574
Verified SL Date 17/09/14
AN 1061393
Audited SL Date 05/02/15
AN 1061708
Approved TL Date 13/02/15
AN 883583
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.

AS CONSTRUCTED

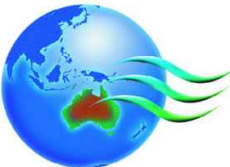


merrifield
MAB gpc

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

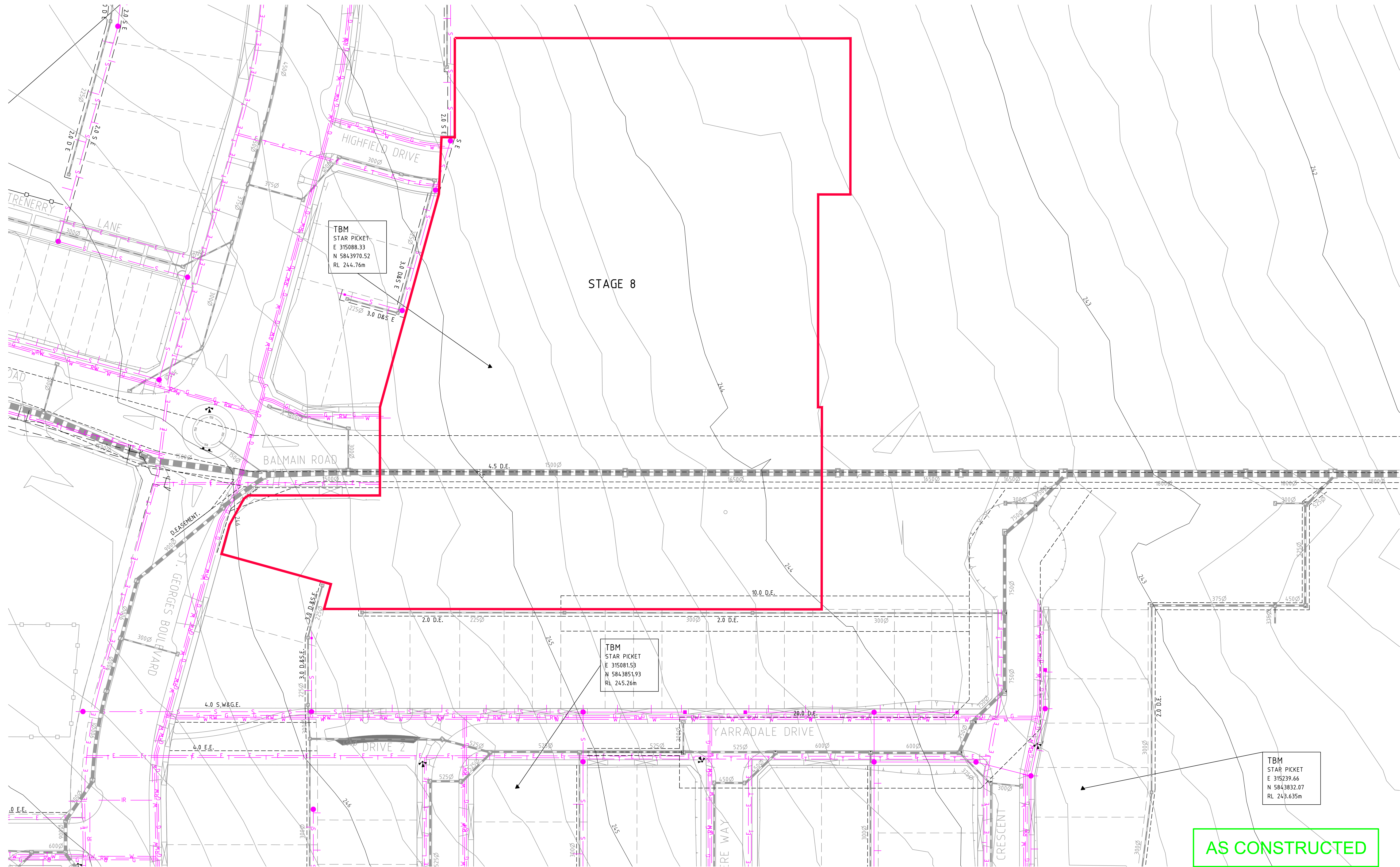
MERRIFIELD DEVELOPMENT
DANNYBROOK ROAD, MICKLEHAM
STAGE 8
FILL PLAN

Drawing No. 11728FP01 Rev 2
Sheet No. 21 AS CONSTRUCTED
© Dalton Consulting Engineers Pty Ltd
ABN 78 428 221 048

 **DCE**
dalton consulting engineers

255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6888
F 61 3 9888 6880
W www.dceprofile.com
Suite 17
PO Box 1178
Milton QLD 4084
Australia
T 61 7 3367 1732
E info@dceprofile.com

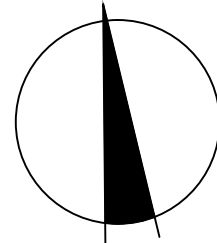
Drawing File: C:\Design\11728-MERRIFIELD - Precinct 1 - Stage 8\Acad\11728EF01.dwg - 11728EF01
Date/Time: Fri Jul 03, 2015 - 9:53am --Byron Ashby--



REV	AMENDMENTS	DATE	APP'D.
1	AS CONSTRUCTED	02/07/15	TL
0	ISSUED FOR CONSTRUCTION	13/02/15	TL

Drawn DT Date 07/03/14
Designed DT Date 01/09/14
AN 1031075
Verified SL Date 17/09/14
AN 1061394
Audited SL Date 05/02/15
AN 1061709
Approved TL Date 13/02/15
AN 883584
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
 - Ex P EXISTING ELEC. POLE & O'HEAD LINES
 - SW DRAIN & PIT CONSTRUCTED IN PREVIOUS STAGES
 - EXISTING TREES TO BE REMOVED
 - PERMANENT SURVEY MARK
 - TEMPORARY BENCH MARK
 - EXISTING STAGES



merrifield
MAB gpc

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

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 8
EXISTING FEATURES PLAN

Drawing No. 11728EF01 Rev 1
Sheet No. 22 AS CONSTRUCTED
© Dalton Consulting Engineers Pty Ltd
ABN 78 428 221 048


dalton consulting engineers
255 Whitehorse Road
PO Box 349
Balwyn Victoria 3103
Australia
T 61 3 9888 6888
F 61 3 9888 6880
W www.dceprofile.com
Suite 17
46 Douglas Street
PO Box 1178
Milton QLD 4084
Australia
T 61 7 3367 1732
E info@dceprofile.com