MERRIFIELD DEVELOPMENT

STAGE 19

DONNYBROOK ROAD, MICKLEHAM

HUME CITY COUNCIL

FOR

merrifield

MAB gpc

CIVIL DRAWINGS

ROAD AND DRAINAGE

DCE REF : 11739RD

Drawing File: G:\Designdata\11700\11739-MERRIFIELD - Precinct 1 - Stage 19\Acad\RD\
11739RDFS.dwg - 11739RDFS
Date/Time: Thu Sep 08, 2016 - 4:53pm ---byron.shade---

AS CONSTRUCTED

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HUME CITY COUNCIL GENERAL NOTES:

1. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH MPA AND HUME CITY COUNCIL STANDARD DRAWINGS, SPECIFICATIONS, APPROVED PLANS AND TO THE SATISFACTION OF THE SUPERINTENDENT, THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE. ALL WORKS TO BE IN ACCORDANCE WITH AS4000 AMENDED GENERAL CONDITIONS OF CONTRACT AND THE ROAD & DRAINAGE SPECIFICATION.

2. COUNCIL TO BE NOTIFIED SEVEN (7) CLEAR WORKING DAYS PRIOR TO THE COMMENCEMENT OF WORKS WITH A PRE-COMMENCEMENT 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 PRE-COMMENCEMENT 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 COMMENCEMENT OF WORKS ON SITE, THE CONTRACTOR MUST ENSURE THAT ALL MATTERS RELATING TO THE OCCUPATIONAL HEALTH AND SAFETY ACT 2004 AND OHS REGULATIONS 2007 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 MPA MANUAL AND 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 UNLESS SPECIFIED OTHERWISE.

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 & 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:
   90% DROUGHT TOLERANT PERENNIAL RYE
   10% KIKUYU

   NOTE: GRASS IS TO BE ESTABLISHED PRIOR TO THE END OF THE MAINTENANCE PERIOD OR UNLESS OTHERWISE AGREED.

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. ALL SERVICE CONDUITS TRENCHES UNDER FOOTPATH, VEHICULAR CROSSINGS, PARKING BAYS AND WITH 750MM OF PARKING BAYS TO BE BACKFILLED WITH CLASS 3 CRUSHED ROCK.

25. ALL STORMWATER DRAINS ARE TO BE CLASS '2' RC OR RIGID FRC 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 750mm 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). 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 DRAWING SD282.

35. ALL TABLE DRAINS AND VERGES ARE TO BE REINSTATED UPON COMPLETION OF WORKS TO THE SATISFACTION 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 COUNCIL 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 MINIMUM 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 AS2187.2-1993, 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 RADIUS 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.

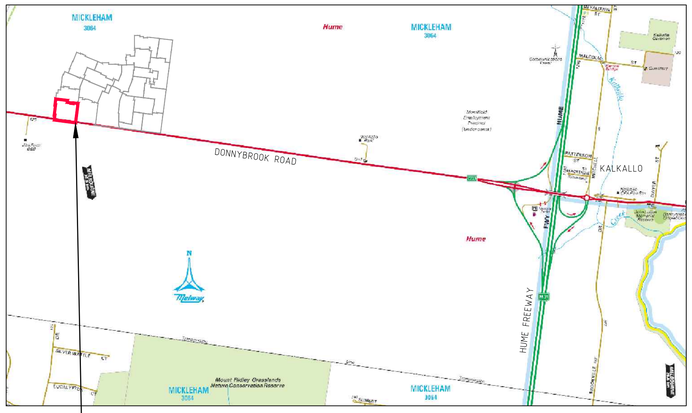
23. GAS TO BE 50mm DIA. CLASS 12 P.V.C. & WATER CONDUITS TO BE 100 DIA. CLASS 12 P.V.C. SINGLE CONDUIT CONTAINING BOTH DW & NDW SERVICES LAID IN ACCORDANCE WITH WSA 03-2002 DUAL WATER SUPPLY SYSTEM STANDARD DRAWING WAT-1806-V

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

26. CROSSOVERS TO COMPLY WITH WYNDHAM CITY CUSTOMER STANDARD DRAWING SD4-1 (EXCLUDING TABLE 1).

27. STREET SIGNS ARE TO BE MOUNTED ON LIGHT POLES WHERE POSSIBLE.



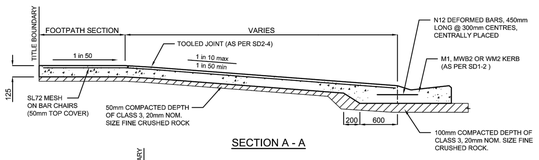
SITE OF WORKS

LOCALITY PLAN

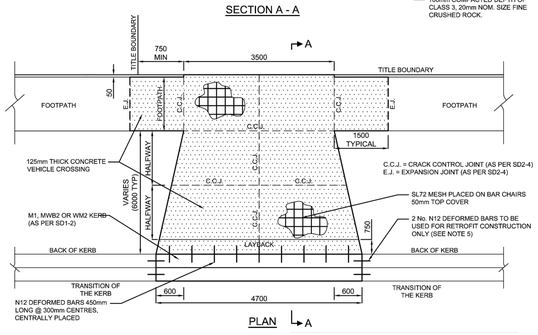
MELWAY REF MAP: 366 D3,E4
NTS

DRAWING INDEX

SHEET NO.	DRAWING NO.	DESCRIPTION
01	11739TD01	LOCALITY PLAN, INDEX AND NOTES
02	11739TD02	TYPICAL SECTIONS AND DETAILS
03	11739SP01	STAGING PLAN
04	11739DP01	DETAIL PLAN
05	11739SOP01	SET OUT DETAILS
06-07	11739ID01-02	INTERSECTION DETAILS - SHEETS 01 TO 02
08-09	11739LS01-02	LONGITUDINAL SECTIONS - SHEETS 01 TO 02
10-14	11739XS01-05	CROSS SECTIONS - SHEETS 01 TO 05
15-18	11739DR01-04	DRAINAGE LONGITUDINAL SECTIONS - SHEETS 01 TO 04
19	11739DR05	PIT SCHEDULE AND DETAILS
20-21	11739POS01-02	PLAN OF SUBDIVISION - SHEETS 01 TO 02
22	11739FP01	FILL PLAN
23	11739EW01	EARTHWORKS PLAN
24	11739EF01	EXISTING FEATURES PLAN



SECTION A - A



PLAN

TYPICAL DETAIL CROSSOVER

NTS

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Date/Time: Thu Sep 08, 2016 - 4:53pm --byron.shode--

REV	AMENDMENTS	DATE	APP'D.
1	AS CONSTRUCTED	08/09/16	TL
0	CONSTRUCTION ISSUE	03/02/16	TL

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.

Drawn M.CAPALDO
Date 04/09/15
AN 1451046
Designed N.MIRATANA
Date 24/06/15
AN 1541348
Verified B.GORDON
Date 14/09/15
AN 162516
Audited T.OBOUHOFF
Date 31/01/16
AN 912870
Approved T.LIAKOPOULOS
Date 03/02/16
AN 885193

AS CONSTRUCTED

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

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 19
LOCALITY PLAN, INDEX, NOTES AND DETAILS

Drawing No. 11739TD01 Rev 1
Sheet No. 01 AS CONSTRUCTED

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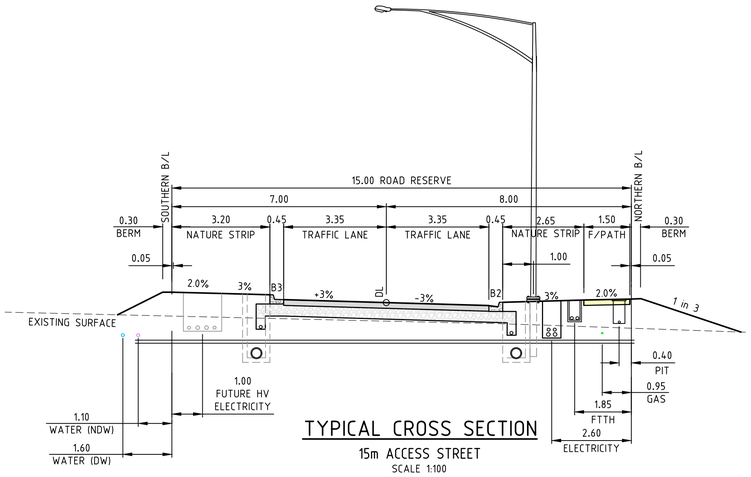
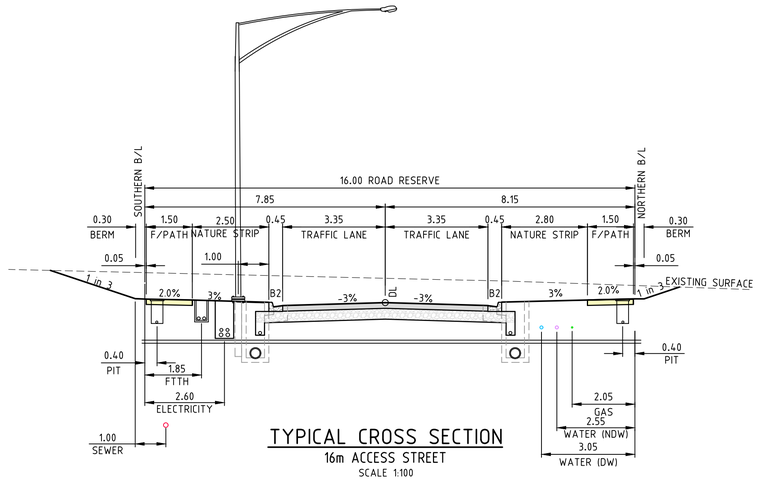


TYPICAL CROSS SECTION

15m ACCESS STREET

SCALE 1:100

CANNING DRIVE SOUTH (CH406.000-530.548)

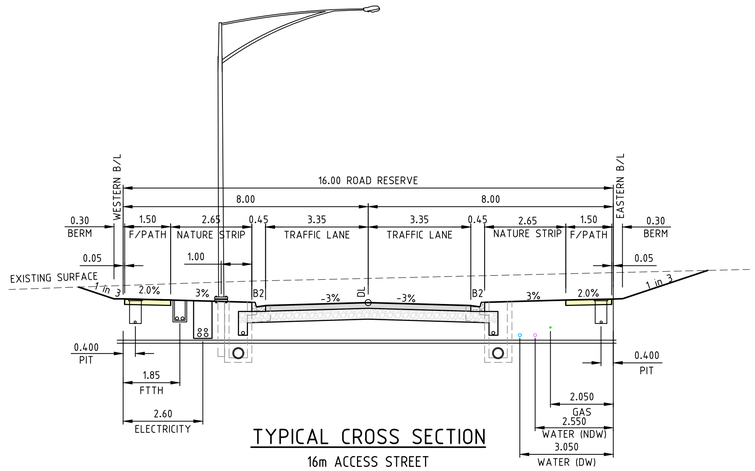


TYPICAL CROSS SECTION

16m ACCESS STREET

SCALE 1:100

MATHOURA ROAD

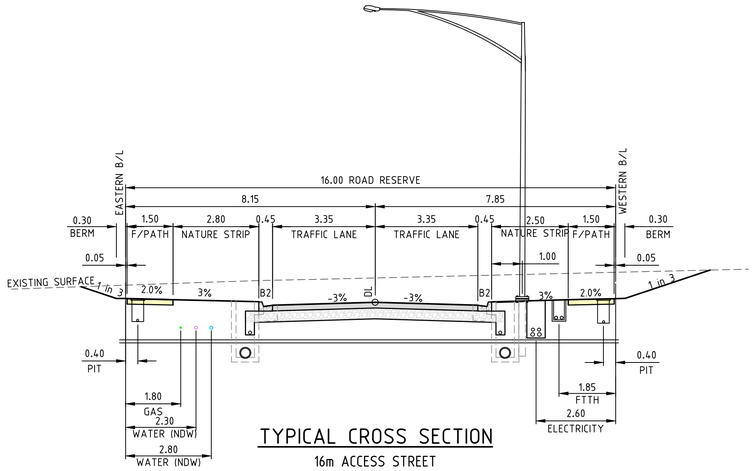


TYPICAL CROSS SECTION

16m ACCESS STREET

SCALE 1:100

FERRARS WAY (CH50.300-111.042)

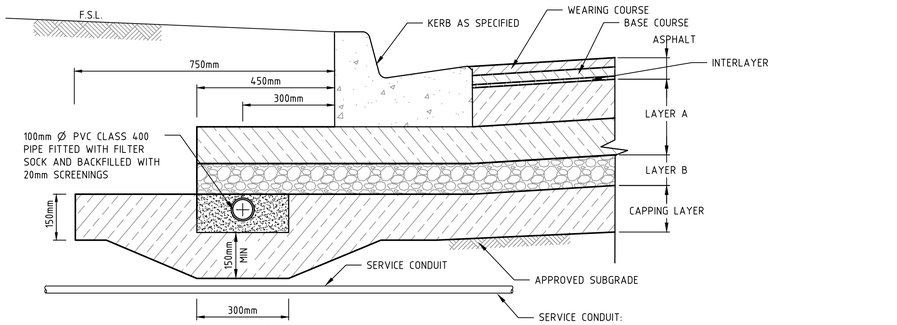


TYPICAL CROSS SECTION

16m ACCESS STREET

SCALE 1:100

CANNING DRIVE EAST (CH270.874-406.000)



SERVICE CONDUIT:
- GAS: 50Ø P.V.C. CLASS 12
- WATER AND N.D.W: 100Ø P.V.C. CLASS 12 (CONTAINS BOTH SERVICES)

TYPICAL PAVEMENT DETAIL

ACCESS STREETS/PLACES

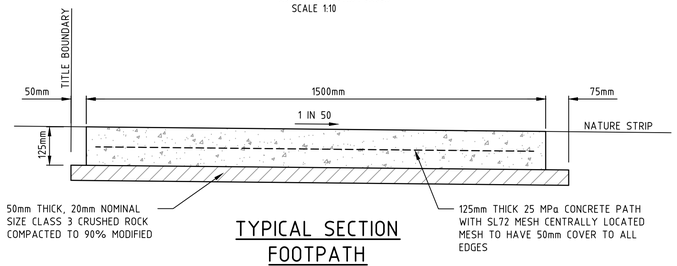
SCALE 1:10

PAVEMENT DETAILS

	ACCESS STREETS / PLACES CANNING DRIVE EAST, FERRARS WAY, MATHOURA ROAD
ASPHALT	WEARING COURSE 30mm SIZE 10mm TYPE N ASPHALT BASE COURSE 30mm SIZE 10mm TYPE N ASPHALT INTERLAYER 10mm SAMI TREATMENT PRIME UNDERLAID WITH BITUMINOUS PRIME SPRAY
LAYER A	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
CAPPING LAYER	CAPPING 150mm REFER SECTION 7.4 OF REPORT
DEPTH TOTAL	570mm
SUBGRADE	SUBGRADE CBR ≥ 2%

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

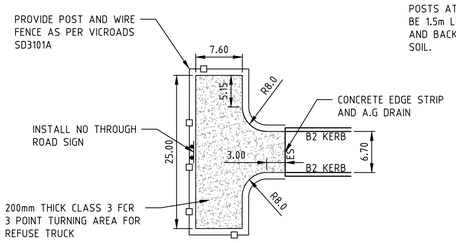
NOTE: SHOULD THE SUBGRADE BE SOFT OR ROCKY MATERIAL, SUBGRADE IMPROVEMENT IS REQUIRED WHERE THE SUBGRADE IS TO BE FURTHER EXCAVATED AND THE DEPTH TO BE AT THE DISCRETION OF THE CONTRACTOR AND BROUGHT BACK UP TO SUBGRADE LEVEL IN A UNIFORM LAYER FOR THE COUNCIL SUPERVISOR TO INSPECT AS A HOLD POINT.



TYPICAL SECTION FOOTPATH

SCALE 1:20

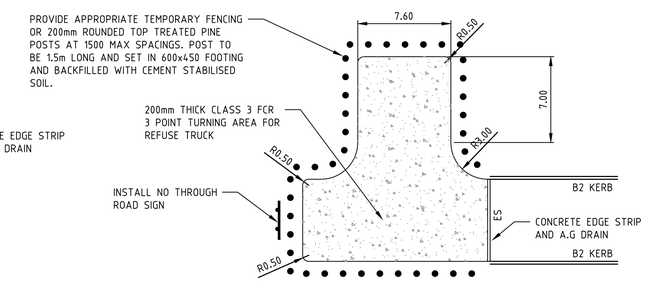
REFER TO MPA FIGURE 006 FOR DETAILS



TEMPORARY TURNING AREA DETAIL

MATHOURA ROAD

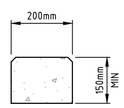
SCALE 1:500



TEMPORARY TURNING AREA DETAIL

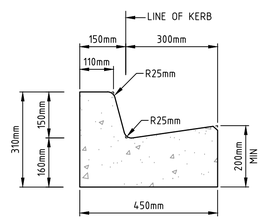
CANNING DRIVE

SCALE 1:250



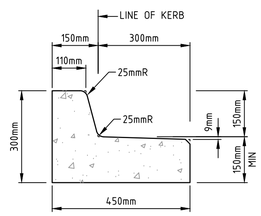
EDGE STRIP

SCALE 1:10



B2 KERB & CHANNEL

SCALE 1:10



B3 KERB & CHANNEL

SCALE 1:10

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Date/Time: Thu, Sep 08, 2016 - 4:53pm --byron.shode--

REV	AMENDMENTS	DATE	APP'D.
3	AS CONSTRUCTED	08/09/16	TL
2	REVISED CANNING DR SOUTH OFFSETS	08/03/16	TL
1	NBN ALIGNMENT AMENDED	17/02/16	TL
0	CONSTRUCTION ISSUE	03/02/16	TL

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.

Drawn M.CAPALDO
Date 04/09/15
AN 1451046
Designed N.MIRATANA
Date 24/06/15
AN 1541349
Verified B.GORDON
Date 14/09/15
AN 162517
Audited T.OBOUHOFF
Date 31/01/16
AN 912871
Approved T.LIAKOPOULOS
Date 03/02/16
AN 885194

AS CONSTRUCTED

merrifield

MAB GPC

Coords: MGA
Levels: AHD

Scale @ A1/A3 AS SHOWN

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 19
TYPICAL SECTIONS AND DETAILS

Drawing No. 11739TD02 Rev 3
Sheet No. 02 AS CONSTRUCTED

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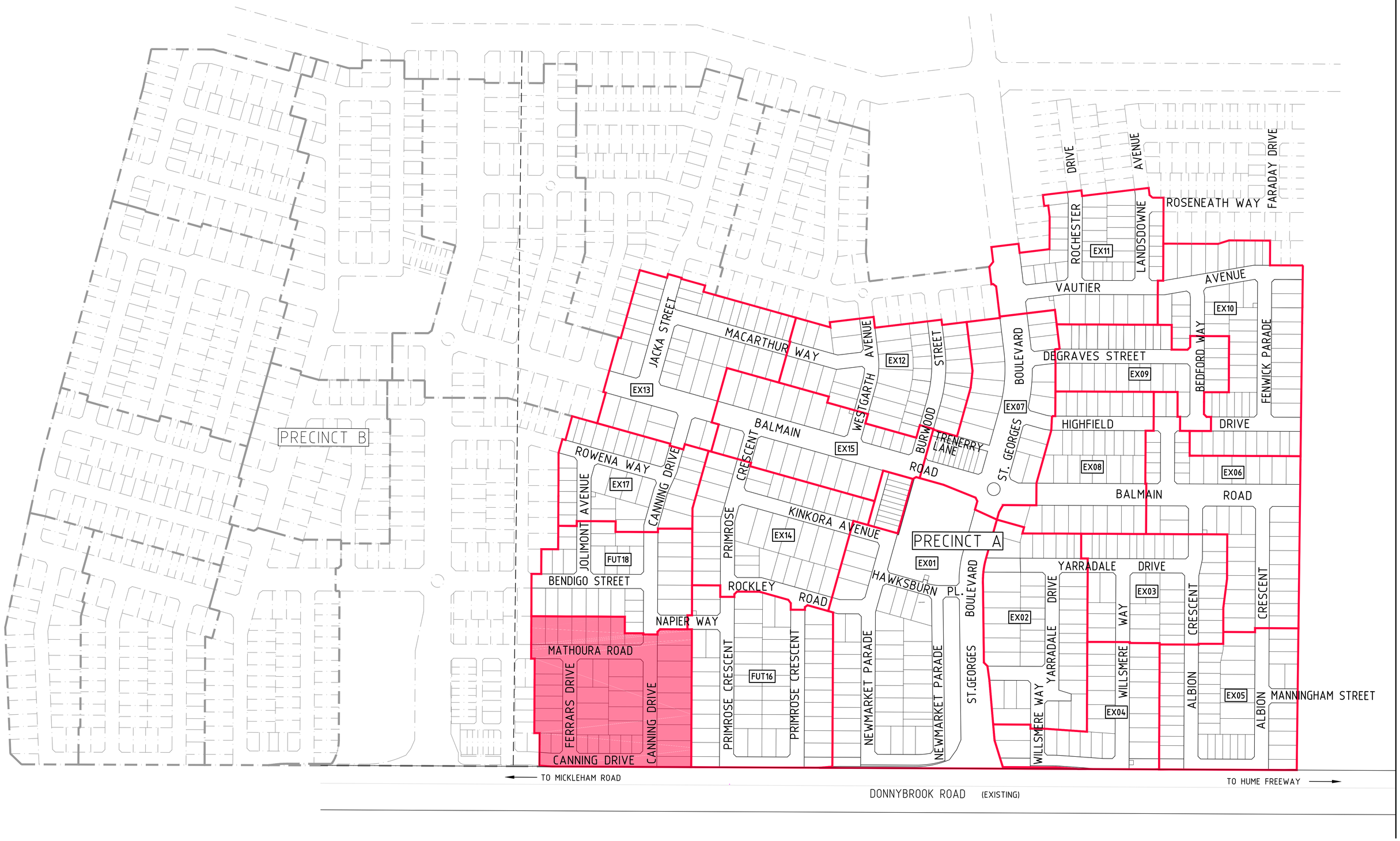

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Date/Time: Thu Sep 08, 2016 - 4:53pm -lyron.shade--

REV	AMENDMENTS	DATE	APP'D.
1	AS CONSTRUCTED	08/09/16	TL
0	CONSTRUCTION ISSUE	03/02/16	TL

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.

Drawn M.CAPALDO
Date 04/09/15
AN 1451046
Designed N.MIRATANA
Date 24/06/15
AN 1541350
Verified B.GORDON
Date 14/09/15
AN 162518
Audited T.OBOUHOFF
Date 31/01/16
AN 912872
Approved T.LIAKOPOULOS
Date 03/02/16
AN 885195

AS CONSTRUCTED

merrifield
MAB GPC

Coords: MGA
Levels: AHD

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

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

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 19
STAGING PLAN

Drawing No. 11739SP01 Rev 1
Sheet No. 03 AS CONSTRUCTED

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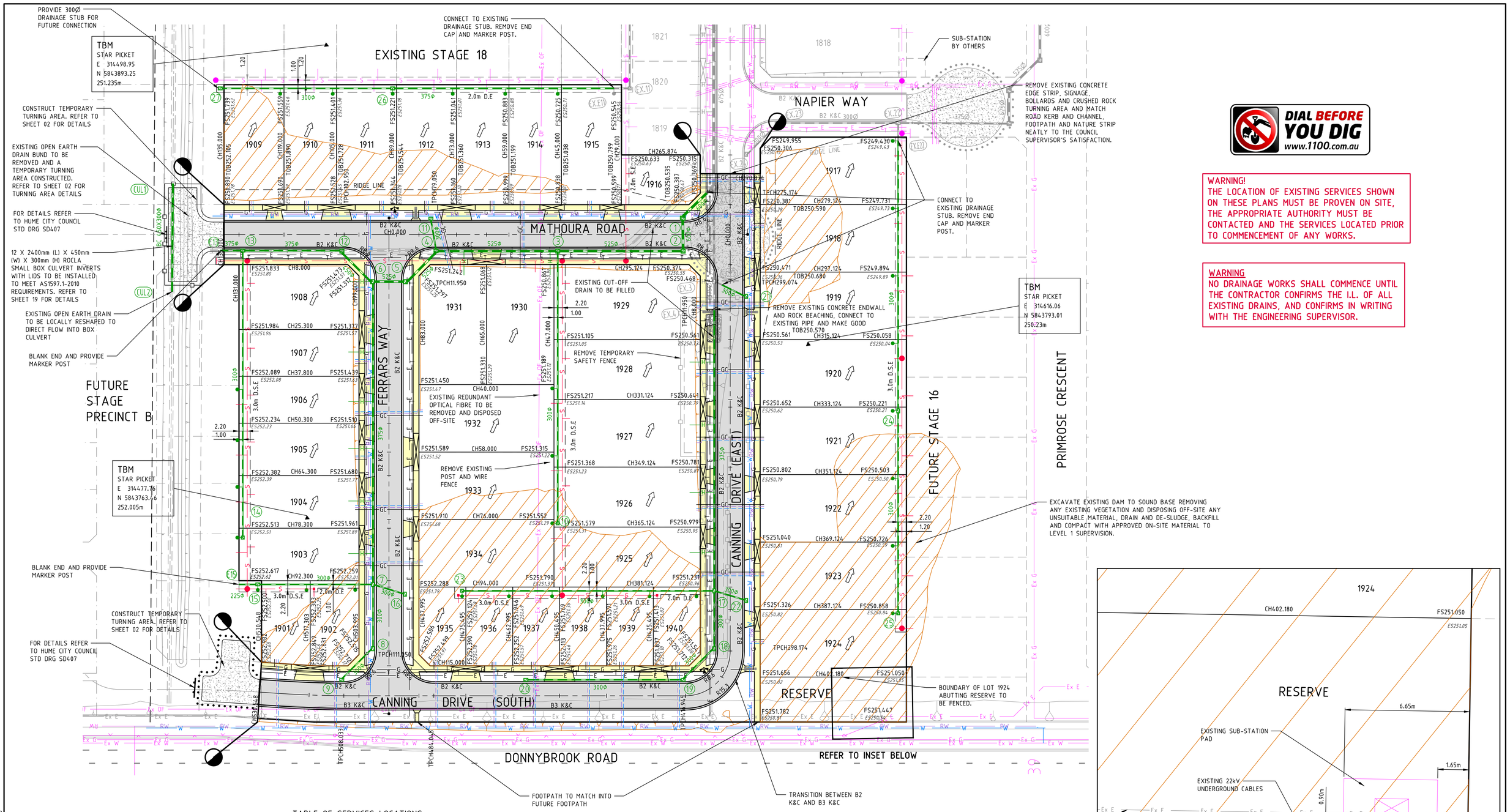

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WARNING!
THE LOCATION OF EXISTING SERVICES SHOWN ON THESE PLANS MUST BE PROVEN ON SITE, THE APPROPRIATE AUTHORITY MUST BE CONTACTED AND THE SERVICES LOCATED PRIOR TO COMMENCEMENT OF ANY WORKS.

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.

TABLE OF SERVICES LOCATIONS

STREET NAME	WATER	NO-WATER	GAS	TELSTRA	ELEC.	POLES	BOK
CANNING DRIVE (EAST)	2.80 E	2.30 E	1.80 E	1.85 W	2.60 W	-	4.20
CANNING DRIVE (SOUTH)	*1.60 S	*1.10 S	0.95 N	1.85 N	2.60N & 1.00S	-	4.20 & 3.20
FERRARS WAY	3.05 W	2.55 W	2.05 W	1.85 E	2.60 E	-	4.20
MATHOURA ROAD	3.05 N	2.55 N	2.05 N	1.85 S	2.60 S	-	4.20

NOTE: * = DIMENSIONED TOWARDS DONNYBROOK ROAD

AS CONSTRUCTED

REV	AMENDMENTS	DATE	APP'D.
5	AS CONSTRUCTED	08/09/16	TL
4	CANNING EAST TELSTRA LINE AMENDED	03/06/16	TL
3	CANNING SOUTH GAS MAIN REALIGNED	08/03/16	TL
2	TBM AMENDMENTS	22/02/16	TL
1	NBN ALIGNMENT AND LOT 1932 CROSSOVER AMENDED	17/02/16	TL
0	CONSTRUCTION ISSUE	03/02/16	TL

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.

Drawn M.CAPALDO
Date 04/09/15
AN 1451046
Designed N.MIRATANA
Date 24/06/15
AN 1541351
Verified B.GORDON
Date 14/09/15
AN 162519
Audited T.OBOUHOFF
Date 31/01/16
AN 912873
Approved T.LIAKOPOULOS
Date 03/02/16
AN 885196

LEGEND

- EXISTING OPTIC FIBRE
- 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.)
- 300Ø BRANCH SEWER MAIN
- SEWER MAIN AND MANHOLE
- 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
- WATER
- RECYCLED WATER
- TELECOMMUNICATIONS
- ELECTRICITY
- GAS
- STREET NAME SIGN
- REGRADE LOT AT MIN 1 IN 150
- ASPHALT PAVEMENT
- CONC FOOTPATH / DRIVEWAY
- LIMIT OF WORKS
- 155.0 FINISHED SURFACE CONTOUR
- FILLING OVER 300mm

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 19
DETAIL PLAN

Drawing No. 11739DP01 Rev 5
Sheet No. 04 AS CONSTRUCTED

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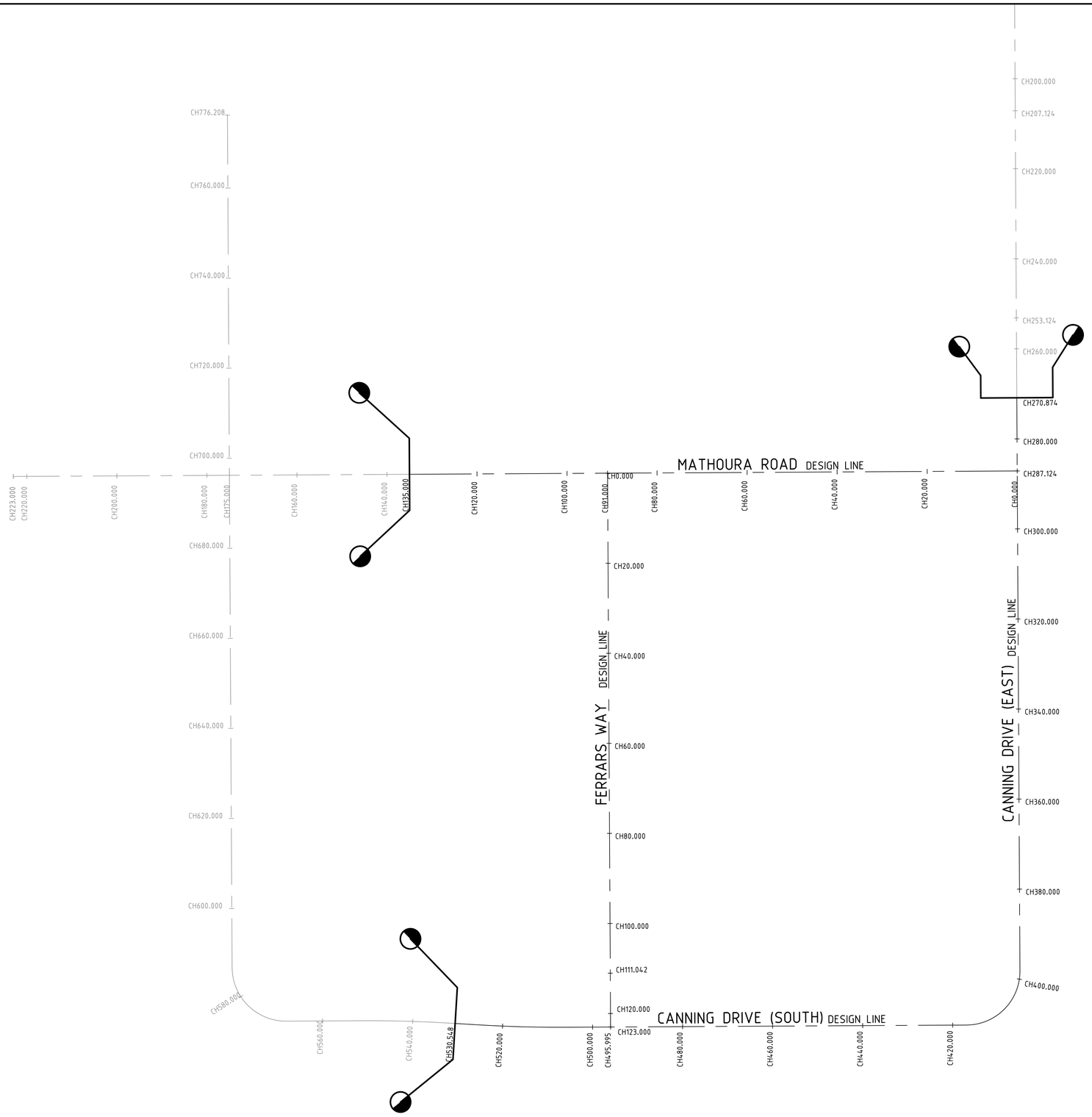

HORIZONTAL ALIGNMENT REPORT FOR FERRARS WAY

POINT TYPE	CHAINAGE	COORDINATES EASTING	NORTHING	RL	BEARING DEG MIN SEC	RADIUS
STRAIGHT (START ALN)	0.000	314508.695	5843835.780	251.247	187°03'10.00"	
STRAIGHT	20.000	314506.239	5843815.931	251.230	187°03'10.00"	
STRAIGHT	40.000	314503.783	5843796.083	251.330	187°03'10.00"	
STRAIGHT	60.000	314501.328	5843776.234	251.495	187°03'10.00"	
STRAIGHT	80.000	314498.872	5843756.385	251.879	187°03'10.00"	
STRAIGHT	100.000	314496.416	5843736.537	252.260	187°03'10.00"	
STRAIGHT	120.000	314493.961	5843716.688	252.431	187°03'10.00"	
STRAIGHT (END ALN)	123.000	314493.592	5843713.711	252.521	187°03'10.00"	

HORIZONTAL ALIGNMENT REPORT FOR MATHOURA ROAD IN MODEL

POINT TYPE	CHAINAGE	COORDINATES EASTING	NORTHING	RL	BEARING DEG MIN SEC	RADIUS
STRAIGHT (START ALN)	0.000	314599.006	5843824.607	250.301	277°03'10.00"	
STRAIGHT	20.000	314579.157	5843827.062	250.323	277°03'10.00"	
STRAIGHT	40.000	314559.309	5843829.518	250.654	277°03'10.00"	
STRAIGHT	60.000	314539.460	5843831.974	250.890	277°03'10.00"	
STRAIGHT	80.000	314519.611	5843834.429	251.120	277°03'10.00"	
STRAIGHT	100.000	314499.763	5843836.885	251.350	277°03'10.00"	
STRAIGHT	120.000	314479.914	5843839.341	251.582	277°03'10.00"	
STRAIGHT	135.000	314465.028	5843841.182	251.784	277°03'10.00"	
STRAIGHT	140.000	314460.065	5843841.796	251.860	277°03'10.00"	
STRAIGHT	160.000	314440.217	5843844.252	252.183	277°03'10.00"	
STRAIGHT	180.000	314420.368	5843846.708	252.509	277°03'10.00"	
STRAIGHT	200.000	314400.519	5843849.164	252.835	277°03'10.00"	
STRAIGHT	220.000	314380.671	5843851.619	253.161	277°03'10.00"	
STRAIGHT (END ALN)	223.000	314377.694	5843851.988	253.210	277°03'10.00"	

HORIZONTAL ALIGNMENT REPORT FOR CANNING DRIVE

POINT TYPE	CHAINAGE	COORDINATES EASTING	NORTHING	RL	BEARING DEG MIN SEC	RADIUS
STRAIGHT	200.000	314609.704	5843911.071	249.865	187°03'10.00"	
STRAIGHT	220.000	314607.248	5843891.223	249.965	187°03'10.00"	
STRAIGHT	240.000	314604.792	5843871.374	250.065	187°03'10.00"	
STRAIGHT	260.000	314602.337	5843851.525	250.165	187°03'10.00"	
STRAIGHT	270.874	314601.001	5843840.733	250.219	187°03'10.00"	
STRAIGHT	280.000	314599.881	5843831.677	250.265	187°03'10.00"	
STRAIGHT	300.000	314597.425	5843811.828	250.365	187°03'10.00"	
STRAIGHT	320.000	314594.970	5843791.979	250.465	187°03'10.00"	
STRAIGHT	340.000	314592.514	5843772.131	250.579	187°03'10.00"	
STRAIGHT	360.000	314590.058	5843752.282	250.788	187°03'10.00"	
STRAIGHT	380.000	314587.603	5843732.433	251.093	187°03'10.00"	
TANGENT-CURVE	398.174	314585.371	5843714.397	251.382	187°03'10.00"	
CURVE	400.000	314585.009	5843712.609	251.411	195°48'30.69"	11.950
CURVE	402.857	314583.911	5843709.979	251.456	209°30'26.84"	11.950
CURVE	405.714	314582.222	5843707.683	251.502	223°12'22.99"	11.950
CURVE	408.571	314580.036	5843705.853	251.547	236°54'19.14"	11.950
CURVE	411.429	314577.480	5843704.593	251.586	250°36'15.29"	11.950
CURVE	414.286	314574.698	5843703.973	251.617	264°18'11.45"	11.950
CURVE-TANGENT	416.945	314572.044	5843704.005	251.647	277°03'10.00"	11.950
STRAIGHT	420.000	314569.012	5843704.380	251.681	277°03'10.00"	
STRAIGHT	440.000	314549.164	5843706.836	251.902	277°03'10.00"	
STRAIGHT	460.000	314529.315	5843709.291	252.123	277°03'10.00"	
STRAIGHT	480.000	314509.466	5843711.747	252.344	277°03'10.00"	
STRAIGHT	500.000	314489.618	5843714.203	252.565	277°03'10.00"	
TANGENT-CURVE	505.830	314483.831	5843714.918	252.630	277°03'10.00"	
CURVE	510.000	314479.697	5843715.459	252.676	277°50'56.87"	300.000
CURVE	520.000	314469.815	5843716.990	252.786	279°45'32.36"	300.000
CURVE-TANGENT	525.665	314464.242	5843718.002	252.849	280°50'27.21"	300.000
STRAIGHT	530.584	314459.446	5843718.921	252.903	280°50'27.21"	
TANGENT-CURVE	531.555	314458.457	5843719.110	252.914	280°50'27.21"	
CURVE	540.000	314450.141	5843720.582	253.008	279°13'40.81"	-300.000
CURVE	550.000	314440.246	5843722.021	253.118	277°19'05.32"	-300.000
CURVE-TANGENT	551.389	314438.867	5843722.194	253.134	277°03'10.00"	-300.000
STRAIGHT	560.000	314430.322	5843723.252	253.229	277°03'10.00"	
TANGENT-CURVE	568.087	314422.296	5843724.244	253.302	277°03'10.00"	
CURVE	568.571	314421.816	5843724.314	253.305	279°22'38.11"	11.950
CURVE	571.429	314419.080	5843725.110	253.323	293°04'34.26"	11.950
CURVE	574.286	314416.609	5843726.532	253.336	306°46'30.41"	11.950
CURVE	577.143	314414.546	5843728.499	253.345	320°28'26.56"	11.950
CURVE	580.000	314413.007	5843730.898	253.351	334°10'22.71"	11.950
CURVE	582.857	314412.080	5843733.593	253.352	347°52'18.87"	11.950
CURVE	585.714	314411.818	5843736.432	253.349	1°34'15.02"	11.950
CURVE-TANGENT	586.858	314411.904	5843737.571	253.347	7°03'10.00"	11.950
STRAIGHT	600.000	314413.518	5843750.614	253.274	7°03'10.00"	
STRAIGHT	620.000	314415.973	5843770.463	253.098	7°03'10.00"	
STRAIGHT	640.000	314418.429	5843790.312	252.922	7°03'10.00"	
STRAIGHT	660.000	314420.885	5843810.160	252.746	7°03'10.00"	
STRAIGHT	680.000	314423.340	5843830.009	252.570	7°03'10.00"	
STRAIGHT	700.000	314425.796	5843849.858	252.394	7°03'10.00"	
STRAIGHT	720.000	314428.252	5843869.706	252.219	7°03'10.00"	
STRAIGHT	740.000	314430.707	5843889.555	252.043	7°03'10.00"	
STRAIGHT	760.000	314433.163	5843909.404	251.894	7°03'10.00"	
STRAIGHT (END ALN)	776.208	314435.153	5843925.489	251.930	7°03'10.00"	

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REV	AMENDMENTS	DATE	APP'D.
1	AS CONSTRUCTED	08/09/16	TL
0	CONSTRUCTION ISSUE	03/02/16	TL

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.

Drawn M.CAPALDO
Date 04/09/15
AN 1451046
Designed N.MIRATANA
Date 24/06/15
AN 1541352
Verified B.GORDON
Date 14/09/15
AN 162520
Audited T.OBOUHOFF
Date 31/01/16
AN 912874
Approved T.LIAKOPOULOS
Date 03/02/16
AN 885197

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
DONNYBROOK ROAD, MICKLEHAM
STAGE 19
SET OUT DETAILS

Drawing No. 11739SOP01 Rev 1
Sheet No. 05 AS CONSTRUCTED

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ALIGNMENT A

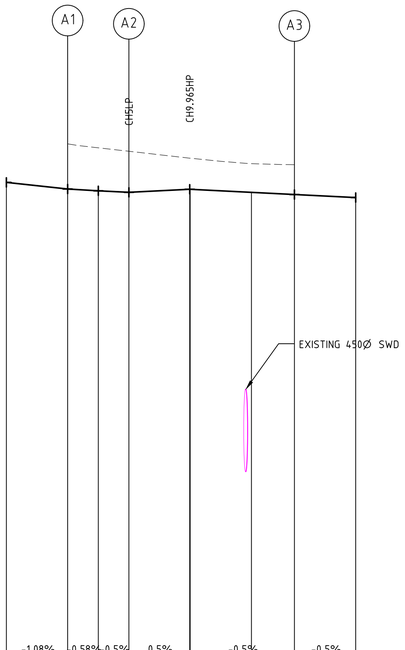
POINT NO	EASTING	NORTHING	RL
A1	314582.596	5843830.013	250.185
A2	314587.558	5843829.399	250.158
A3	314597.149	5843836.878	250.140

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
A2 - A3	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	250.174

ALIGNMENT B

POINT NO	EASTING	NORTHING	RL
B1	314594.214	5843813.159	250.260
B2	314586.735	5843822.749	250.149
B3	314581.773	5843823.363	250.185

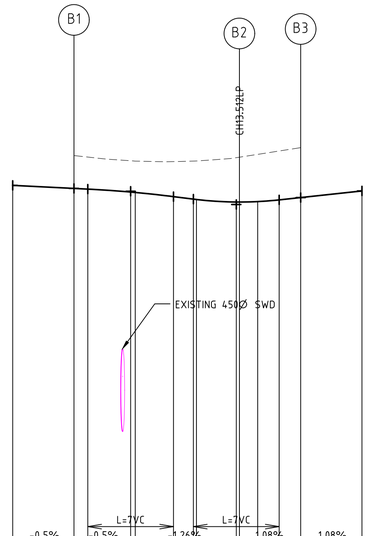
CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
B1 - B2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	250.209



DATUM 246

DESIGN SURFACE	250.239	250.185	250.171	250.158	250.183 250.183	250.158	250.140	250.115
EXISTING SURFACE		250.55	250.52	250.49	250.44 250.44	250.39	250.38	
CHAINAGE	-5.000	0.000	2.500	5.000	9.965 10.000	15.000	18.509	23.509

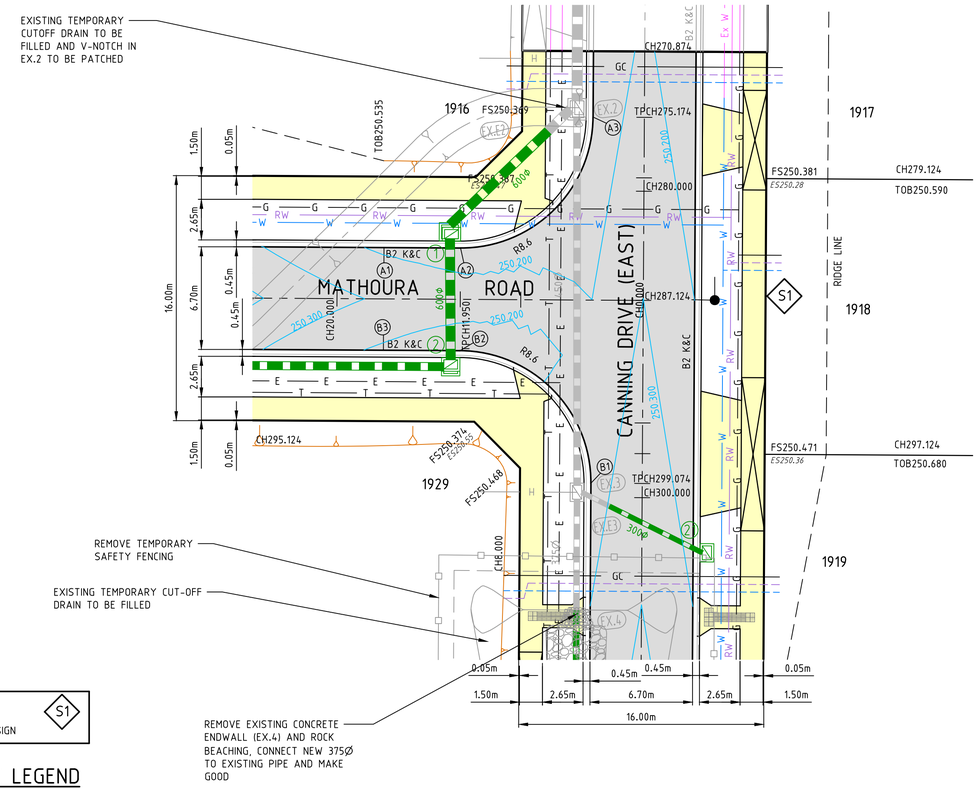
LIP PROFILE A



DATUM 247

DESIGN SURFACE	250.285	250.260 250.254	250.230 250.227	250.193	250.172 250.169	250.149 250.149 250.153	250.166	250.185	250.239
EXISTING SURFACE		250.53 250.51	250.48 250.48	250.48	250.48 250.48	250.51 250.51 250.54	250.57	250.59	
CHAINAGE	-5.000	0.000 1.127	4.677 5.000	8.127	9.750 10.000	13.250 13.509 15.000	16.750	18.509	23.509

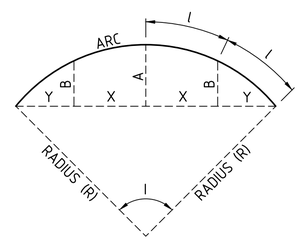
LIP PROFILE B



STREET NAME SIGN

SIGNAGE LEGEND

N.T.S



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.

AS CONSTRUCTED

Drawing File: G:\Designdata\11700\11739-MERRIFIELD - Precinct 1 - Stage 19\Acad\RD\11739ID01.dwg - 11739ID01
Date/Time: Thu Sep 08, 2016 - 4:54pm --byron.shode--

REV	AMENDMENTS	DATE	APP'D.
1	AS CONSTRUCTED	08/09/16	TL
0	CONSTRUCTION ISSUE	03/02/16	TL

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.

Drawn M.CAPALDO
Date 04/09/15
AN 1451046
Designed N.MIRATANA
Date 24/06/15
AN 1541353
Verified B.GORDON
Date 14/09/15
AN 162521
Audited T.OBOUHOFF
Date 31/01/16
AN 912875
Approved T.LIAKOPOULOS
Date 03/02/16
AN 885198

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
- PROPERTY INLETS
- HOUSE DRAIN
- GAS CONDUIT
- WATER CONDUIT
- RECYCLED WATER CONDUIT
- TELECOMM. CONDUIT
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK
- WATER
- RECYCLED WATER
- TELECOMMUNICATIONS
- ELECTRICITY
- GAS
- STREET NAME SIGN
- REGRADE LOT AT MIN 1 IN 150
- ASPHALT PAVEMENT
- CONC FOOTPATH / DRIVEWAY
- LANDSCAPING
- FILLING OVER 300mm
- 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 GPC

MERRIFIELD DEVELOPMENT

DONNYBROOK ROAD, MICKLEHAM
STAGE 19
INTERSECTION DETAILS
SHEET 01 OF 02
Drawing No. 11739ID01 Rev 1
Sheet No. 06 AS CONSTRUCTED

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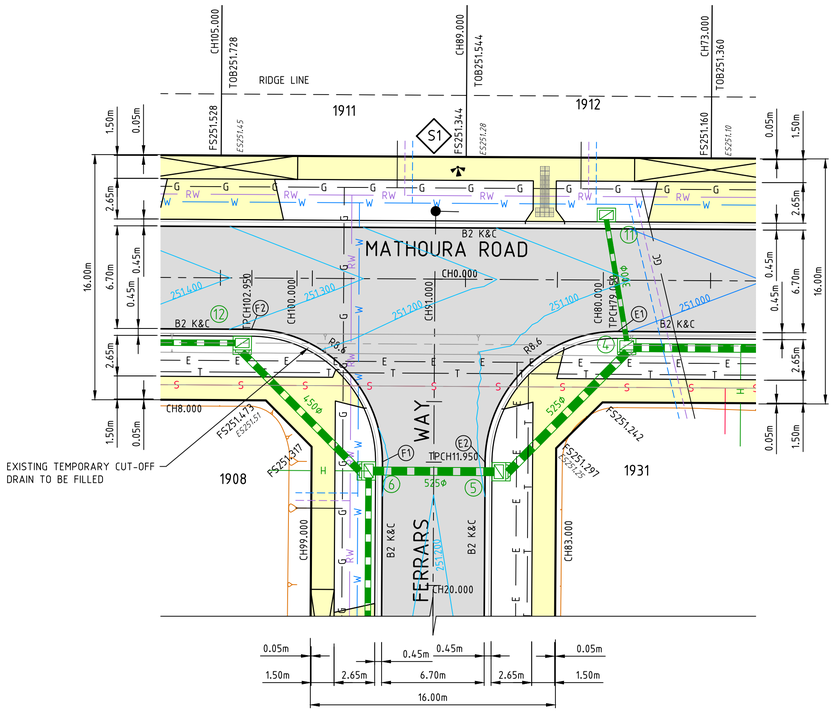
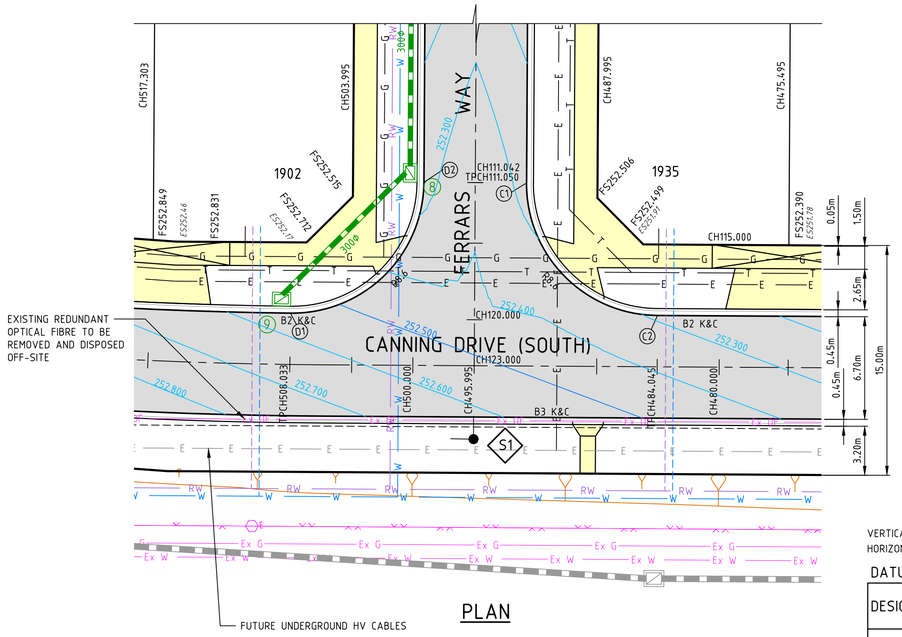


PLAN



AS CONSTRUCTED

ALIGNMENT C

POINT NO	EASTING	NORTHING	RL
C1	314498.384	5843725.159	252.273
C2	314505.863	5843715.568	252.288

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
C1 - C2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	252.321

ALIGNMENT D

POINT NO	EASTING	NORTHING	RL
D1	314482.082	5843718.518	252.554
D2	314491.736	5843725.989	252.273

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
D1 - D2	90.421	8.600	13.572	2.541	1.881	3.306	2.798	3.393	252.408

ALIGNMENT E

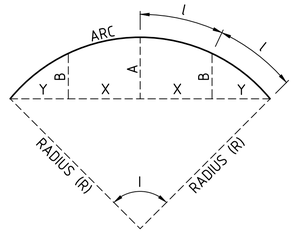
POINT NO	EASTING	NORTHING	RL
E1	314520.143	5843830.988	251.009
E2	314510.552	5843823.509	251.089

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
E1 - E2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	251.055

ALIGNMENT F

POINT NO	EASTING	NORTHING	RL
F1	314503.903	5843824.332	251.089
F2	314496.424	5843833.923	251.283

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
F1 - F2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	251.156



LIP SETOUT DETAIL
N.T.S

WARNING!
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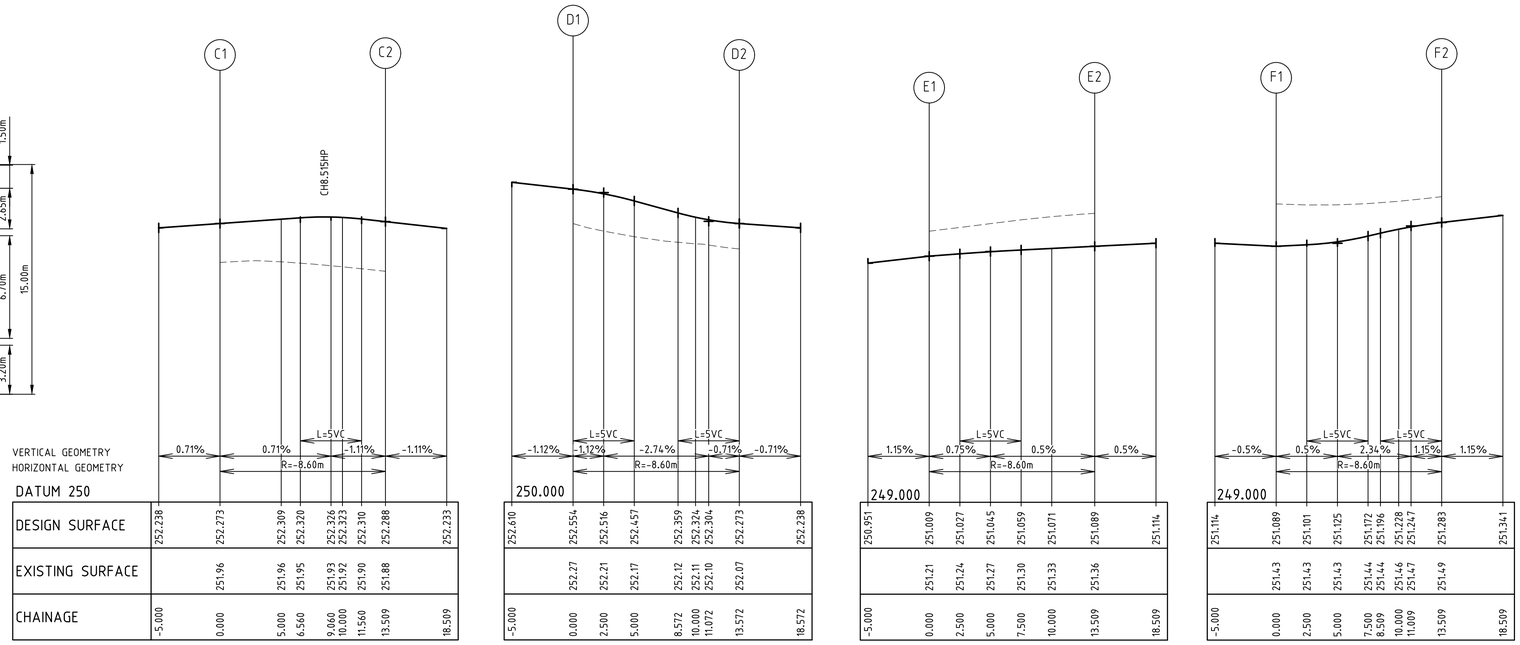
STREET NAME SIGN — S1

SIGNAGE LEGEND
N.T.S



LIP PROFILE C

LIP PROFILE D

LIP PROFILE E

LIP PROFILE F

REV	AMENDMENTS	DATE	APP'D.
1	AS CONSTRUCTED	08/09/16	TL
0	CONSTRUCTION ISSUE	03/02/16	TL

Drawn M.CAPALDO
Date 04/09/15
AN 1451046
Designed N.MIRATANA
Date 24/06/15
AN 1541354
Verified B.GORDON
Date 14/09/15
AN 162522
Audited T.OBOUHOFF
Date 31/01/16
AN 912876
Approved T.LIAKOPOULOS
Date 03/02/16
AN 885198

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
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- CONC FOOTPATH / DRIVEWAY
- LANDSCAPING
- FILLING OVER 300mm
- 155.0 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 19
INTERSECTION DETAILS
SHEET 02 OF 02
Drawing No. 11739ID02 Rev 1
Sheet No. 07 AS CONSTRUCTED

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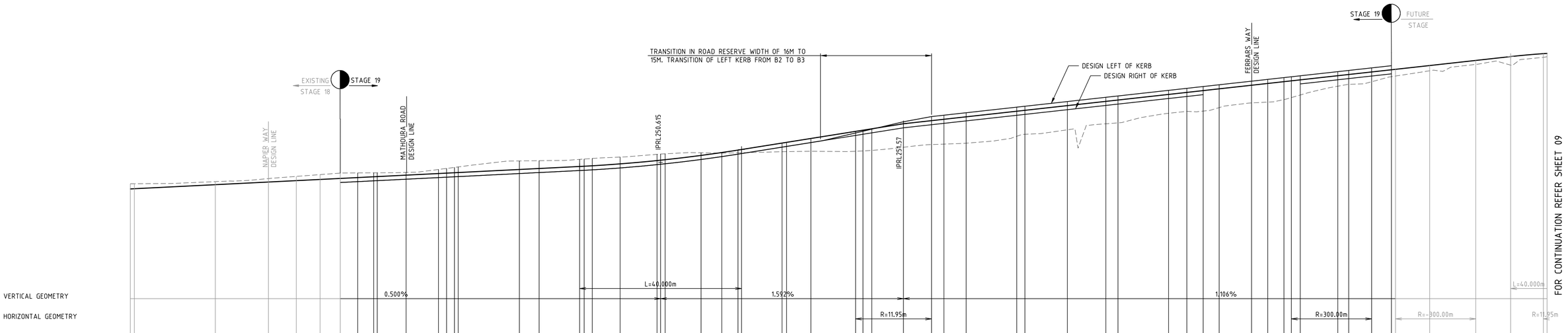
Date/Time: Thu Sep 08, 2016 - 4:54pm --byron.shode--



LONGITUDINAL SECTION CANNING DRIVE DESIGN LINE

Drawing File: G:\Designdata\11700\11739-MERRIFIELD - Precinct 1 - Stage 19\Acad\R01\11739LS01.dwg - 11739LS01
Date/Time: Thu Sep 08, 2016 - 4:54pm --byron:shade--

REV	AMENDMENTS	DATE	APP'D.
1	AS CONSTRUCTED	08/09/16	TL
0	CONSTRUCTION ISSUE	03/02/16	TL

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Drawn M.CAPALDO
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AN 1451046
Designed N.MIRATANA
Date 24/06/15
AN 1541356
Verified B.GORDON
Date 14/09/15
AN 162523
Audited T.OBOUHOFF
Date 31/01/16
AN 912877
Approved T.LIAKOPOULOS
Date 03/02/16
AN 885200

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
VER: 1:50/1/100

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 19
LONGITUDINAL SECTIONS
SHEET 01 OF 02
Drawing No. 11739LS01 Rev 1
Sheet No. 08 AS CONSTRUCTED

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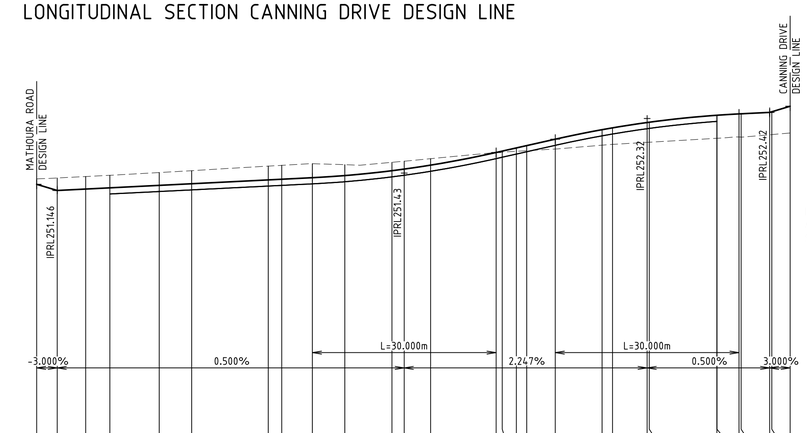
DATUM RL248

CHAINAGE	DESIGN RIGHT KERB RL	DESIGN LEFT KERB RL	EXISTING SURFACE RL	DESIGN SURFACE RL
544.00			252.903	253.052
551.39			253.036	253.134
560.00			253.019	253.229
568.09			253.210	253.302
580.00	250.231	250.209	253.368	253.351
582.78	250.426	250.412	253.350	253.352
586.86	251.254	251.303	253.323	253.347
600.00	251.045	251.045	253.205	253.274
620.00	250.733	250.733	253.187	253.098
640.00	250.505	250.505	253.051	252.922
660.00	250.381	250.381	252.902	252.746

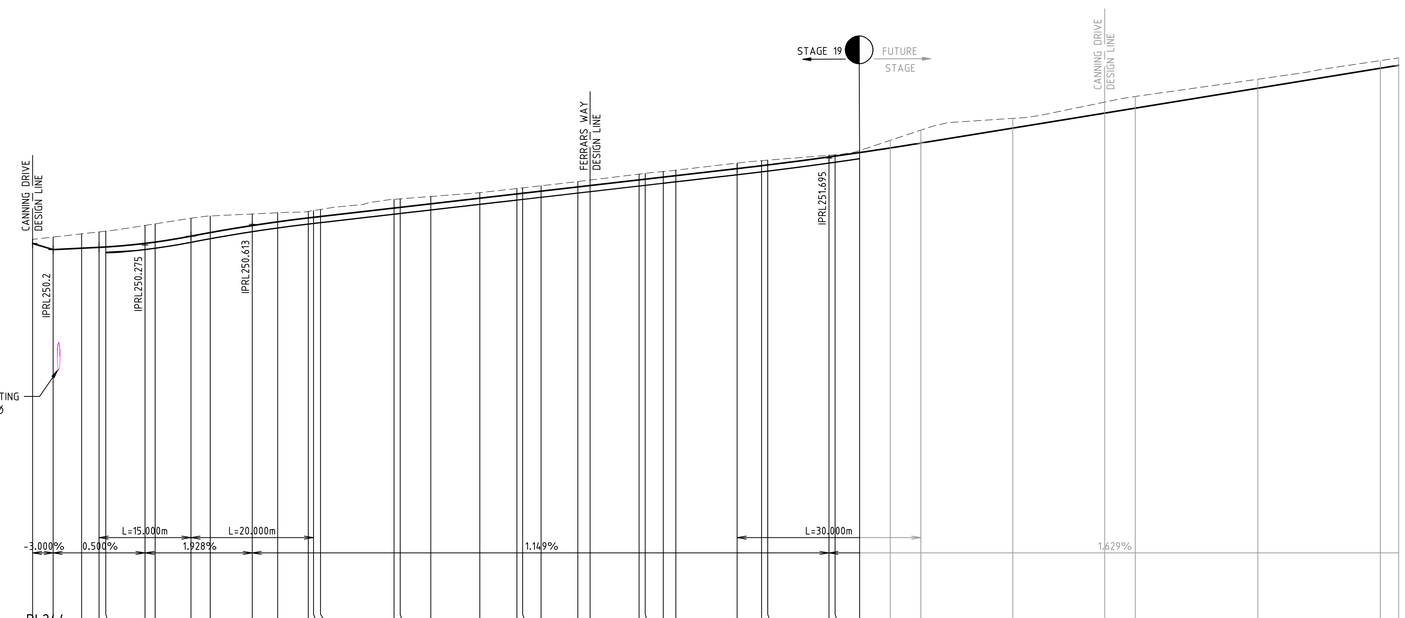
LONGITUDINAL SECTION CANNING DRIVE DESIGN LINE



DATUM RL247

CHAINAGE	DESIGN RIGHT KERB RL	DESIGN LEFT KERB RL	EXISTING SURFACE RL	DESIGN SURFACE RL
0.00			251.335	251.247
3.35			251.350	251.146
8.00			251.374	251.170
11.95	251.089	251.089	251.394	251.189
20.00	251.129	251.129	251.439	251.230
25.30	251.156	251.156	251.469	251.256
37.80	251.218	251.218	251.544	251.339
40.00	251.229	251.229	251.556	251.330
45.00	251.254	251.254	251.583	251.355
50.30	251.289	251.289	251.567	251.389
58.00	251.368	251.368	251.606	251.469
60.00	251.395	251.395	251.624	251.495
64.30	251.459	251.459	251.665	251.560
75.00	251.666	251.666	251.762	251.767
76.00	251.688	251.688	251.782	251.787
78.30	251.740	251.740	251.841	251.841
80.00	251.778	251.778	251.879	251.879
84.65	251.883	251.883	251.983	251.983
92.30	252.038	252.038	252.138	252.138
94.00	252.068	252.068	252.168	252.168
99.65	252.154	252.154	252.255	252.255
100.00	252.159	252.159	252.260	252.260
111.04	252.273	252.273	252.374	252.374
111.05		252.273	252.374	252.374
114.65			252.395	252.395
115.00			252.018	252.397
119.65			252.055	252.420
120.00			252.058	252.431
123.00			252.084	252.521

LONGITUDINAL SECTION FERRARS WAY DESIGN LINE



RL244

CHAINAGE	DESIGN RIGHT KERB RL	DESIGN LEFT KERB RL	EXISTING SURFACE RL	DESIGN SURFACE RL
0.00			250.367	250.301
3.35			250.405	250.200
8.00			250.457	250.223
10.85	250.158	250.158	250.490	250.238
11.95			250.502	250.244
18.35	250.201	250.201	250.595	250.302
20.00	250.223	250.223	250.641	250.323
25.85	250.319	250.319	250.712	250.420
29.00	250.378	250.378	250.750	250.479
35.85	250.493	250.493	250.782	250.593
40.00	250.553	250.553	250.801	250.654
45.00	250.617	250.617	250.824	250.718
45.85	250.627	250.627	250.838	250.728
47.00	250.640	250.640	250.856	250.741
59.00	250.778	250.778	251.021	250.879
60.00	250.798	250.798	251.029	250.890
65.00	250.847	250.847	251.067	250.948
73.00	250.939	250.939	251.130	251.040
79.05	251.009	251.009	251.198	251.109
80.00	251.020	251.020	251.208	251.120
83.00	251.054	251.054	251.242	251.155
89.00	251.123	251.123	251.311	251.224
91.00	251.146	251.146	251.335	251.246
99.00	251.238	251.238	251.432	251.338
100.00	251.249	251.249	251.445	251.350
102.95	251.283	251.283	251.474	251.384
105.00	251.307	251.307	251.497	251.407
115.00	251.422	251.422	251.612	251.522
119.00	251.469	251.469	251.652	251.570
120.00	251.481	251.481	251.660	251.582
130.00	251.612	251.612	251.740	251.712
131.00	251.626	251.626	251.748	251.723
135.00	251.684	251.684	251.817	251.784
140.00			251.984	251.860
145.00			252.151	251.939
160.00			252.342	252.183
175.00			252.608	252.428
180.00			252.700	252.509
200.00			252.981	252.835
220.00			253.285	253.161
223.00			253.330	253.210

LONGITUDINAL SECTION MATHOURA ROAD DESIGN LINE

Drawing File: G:\Designdata\11700\11739-MERRIFIELD - Precinct 1 - Stage 19\Acad\B0\
11739LS01.dwg - 11739LS02
Date/Time: Thu Sep 08, 2016 - 4:54pm ---byron.shode---

REV	AMENDMENTS	DATE	APP'D.
1	AS CONSTRUCTED	08/09/16	TL
0	CONSTRUCTION ISSUE	03/02/16	TL

Drawn M.CAPALDO
Date 04/09/15
AN 1451046
Designed N.MIRATANA
Date 24/06/15
AN 1541357
Verified B.GORDON
Date 14/09/15
AN 162524
Audited T.OBOUHOFF
Date 31/01/16
AN 912878
Approved T.LIAKOPOULOS
Date 03/02/16
AN 885201

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
Ver 1:50 0m 0.5m 1m 2m 3m
Scale @ A1/A3 1:500/1:1000
VER: 1:50/1/100

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 19
LONGITUDINAL SECTIONS
SHEET 02 OF 02
Drawing No. 11739LS02 Rev 1
Sheet No. 09 AS CONSTRUCTED

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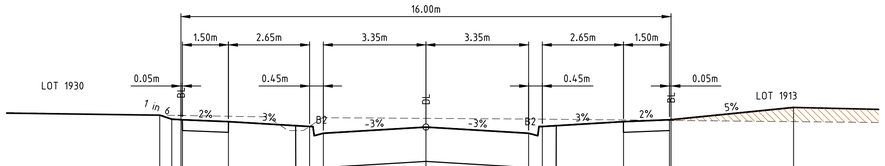
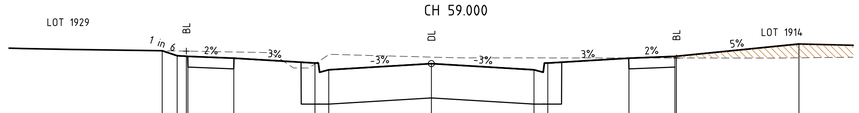


DATUM RL249.000

DESIGN SURFACE	251.073	251.073	251.073	250.998	250.968	250.888	250.778	250.879	250.778	250.888	250.968	250.998	250.999	251.199
EXISTING SURFACE	251.073	251.077	251.068	251.067	251.055	250.889	251.032	251.021	251.01	251.008	250.995	250.988	250.987	250.967
OFFSET	-8.691	-8.300	-8.000	-7.950	-6.450	-3.800	-3.350	0.000	3.350	3.800	6.450	7.950	8.000	12.000

CH 59.000



DATUM RL249.000

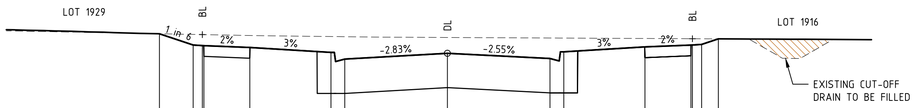
DESIGN SURFACE	250.929	250.847	250.838	250.837	250.807	250.727	250.617	250.718	250.617	250.727	250.807	250.837	250.838	251.038
EXISTING SURFACE	250.929	250.924	250.922	250.921	250.908	250.714	250.864	250.824	250.811	250.811	250.81	250.81	250.81	250.813
OFFSET	-8.789	-8.300	-8.000	-7.950	-6.450	-3.800	-3.350	0.000	3.350	3.800	6.450	7.950	8.000	12.000

CH 45.000

DATUM RL249.000

DESIGN SURFACE	250.817	250.698	250.699	250.698	250.568	250.488	250.378	250.479	250.378	250.488	250.568	250.598	250.599	250.799
EXISTING SURFACE	250.817	250.806	250.803	250.803	250.79	250.446	250.492	250.75	250.734	250.732	250.716	250.707	250.707	250.683
OFFSET	-9.554	-8.300	-8.000	-7.950	-6.450	-3.800	-3.350	0.000	3.350	3.800	6.450	7.950	8.000	12.000

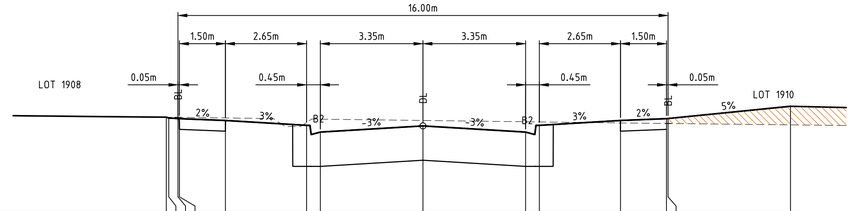
CH 29.000



DATUM RL249.000

DESIGN SURFACE	250.562	250.379	250.337	250.368	250.338	250.259	250.169	250.244	250.158	250.268	250.348	250.378	250.379	250.479
EXISTING SURFACE	250.562	250.552	250.549	250.549	250.534	250.517	250.515	250.502	250.493	250.492	250.485	250.482	250.482	250.479
OFFSET	-9.602	-8.300	-8.000	-7.950	-6.450	-3.800	-3.350	0.000	3.350	3.800	6.450	7.950	8.000	8.846

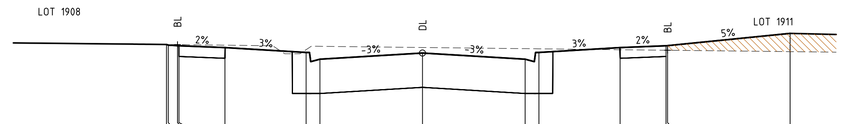
CH 11.950



DATUM RL250.000

DESIGN SURFACE	251.555	251.555	251.528	251.528	251.526	251.496	251.417	251.307	251.407	251.307	251.417	251.496	251.528	251.528	251.728
EXISTING SURFACE	251.555	251.555	251.548	251.547	251.538	251.664	251.518	251.497	251.475	251.473	251.456	251.448	251.447	251.425
OFFSET	-8.379	-8.300	-8.000	-7.950	-6.450	-3.800	-3.350	0.000	3.350	3.800	6.450	7.950	8.000	12.000

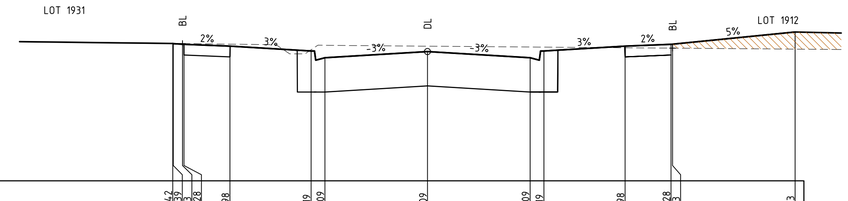
CH 105.000



DATUM RL250.000

DESIGN SURFACE	251.523	251.503	251.504	251.504	251.503	251.473	251.393	251.283	251.384	251.283	251.393	251.473	251.503	251.504	251.704
EXISTING SURFACE	251.523	251.523	251.521	251.521	251.521	251.512	251.439	251.494	251.474	251.456	251.453	251.438	251.43	251.429	251.607
OFFSET	-8.360	-8.300	-8.000	-7.950	-6.450	-3.800	-3.350	0.000	3.350	3.800	6.450	7.950	8.000	12.000

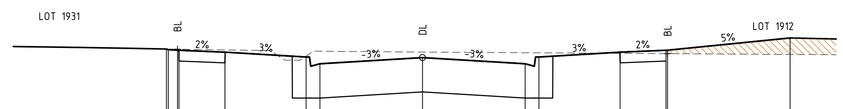
CH 102.950



DATUM RL249.000

DESIGN SURFACE	251.242	251.242	251.223	251.223	251.228	251.198	251.119	251.009	251.109	251.009	251.119	251.198	251.228	251.23	251.43
EXISTING SURFACE	251.242	251.242	251.242	251.242	251.231	251.14	251.212	251.198	251.184	251.182	251.172	251.166	251.165	251.149
OFFSET	-8.318	-8.300	-8.000	-7.950	-6.450	-3.800	-3.350	0.000	3.350	3.800	6.450	7.950	8.000	12.000

CH 79.050



DATUM RL249.000

DESIGN SURFACE	251.179	251.179	251.179	251.176	251.129	251.049	251.104	250.939	251.049	251.129	251.159	251.176	251.136
EXISTING SURFACE	251.179	251.179	251.177	251.176	251.165	251.144	251.113	251.119	251.117	251.109	251.104	251.104	251.091
OFFSET	-8.362	-8.300	-8.000	-7.950	-6.450	-3.800	-3.350	0.000	3.350	3.800	6.450	7.950	8.000	12.000

CH 73.000

MATHOURA ROAD

Drawing File: G:\Designdata\11700\11739-MERRIFIELD - Precinct 1 - Stage 19\Acad\PD\ 11739XS01.dwg - 11739XS01
Date/Time: Thu Sep 08, 2016 - 4:54pm --byron.shade--

REV	AMENDMENTS	DATE	APP'D.
1	AS CONSTRUCTED	08/09/16	TL
0	CONSTRUCTION ISSUE	03/02/16	TL

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Drawn M.CAPALDO
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AN 1451046
Designed N.MIRATANA
Date 24/06/15
AN 1541357
Verified B.GORDON
Date 14/09/15
AN 162525
Audited T.OBOUHOFF
Date 31/01/16
AN 912879
Approved T.LIAKOPOULOS
Date 03/02/16
AN 885202

LEGEND

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AS CONSTRUCTED

merrifield
MAB gpc

Coords: MGA
Levels: AHD

Hor 1:100 0m 1m 2m 4m 6m
Ver 1:50 0m 0.5m 1m 2m 3m
Scale @ A1/A3 1:100/1:200
VER: 1:50/1:100

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 19
CROSS SECTIONS
SHEET 01 OF 05
Drawing No. 11739XS01 Rev 1
Sheet No. 10 AS CONSTRUCTED

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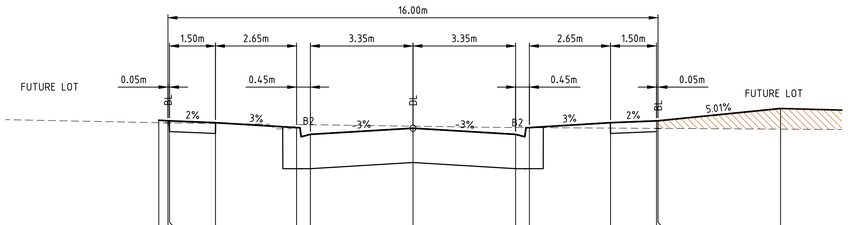
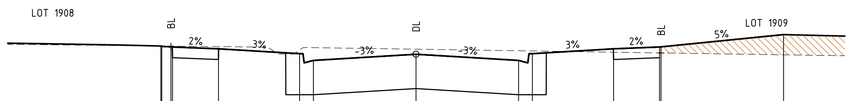


DATUM RL250.000

DESIGN SURFACE	251.914	251.905	251.903	251.873	251.794	251.784	251.684	251.794	251.873	251.903	251.905	252.105
EXISTING SURFACE	251.874	251.871	251.871	251.861	251.184	251.184	251.817	251.795	251.794	251.786	251.781	251.781	251.769
OFFSET	-8.300	-8.000	-7.950	-6.450	-3.800	-3.350	0.000	3.350	3.800	6.450	7.950	8.000	12.000

CH 135.000

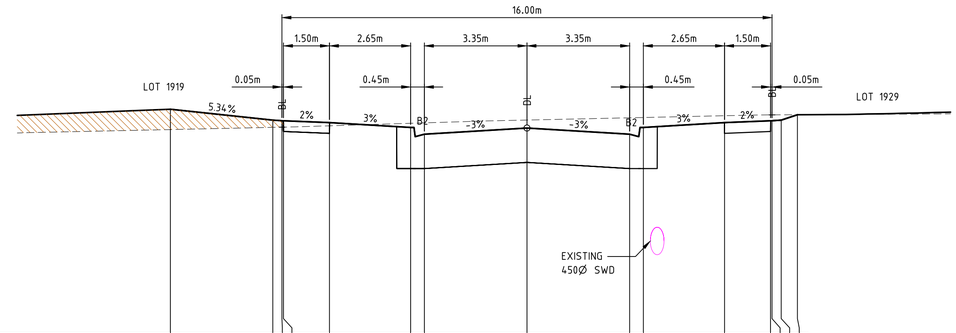


DATUM RL250.000

DESIGN SURFACE	251.706	251.699	251.698	251.689	251.659	251.579	251.569	251.157	251.569	251.579	251.659	251.689	251.699	251.189
EXISTING SURFACE	251.704	251.704	251.702	251.702	251.694	251.639	251.677	251.652	251.627	251.623	251.603	251.591	251.591	251.156
OFFSET	-8.330	-8.300	-8.000	-7.950	-6.450	-3.800	-3.350	0.000	3.350	3.800	6.450	7.950	8.000	12.000

CH 119.000

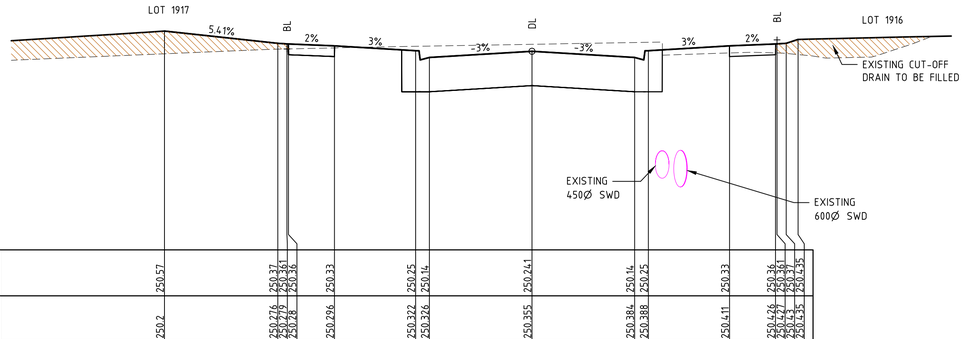
MATHOURA ROAD



DATUM RL247.000

DESIGN SURFACE	250.668	250.49	250.481	250.479	250.449	250.37	250.26	250.36	250.26	250.37	250.449	250.479	250.481	250.49	250.518
EXISTING SURFACE	250.336	250.372	250.372	250.372	250.397	250.438	250.445	250.491	250.528	250.533	250.562	250.576	250.576	250.577	250.518
OFFSET	-11.642	-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	8.829

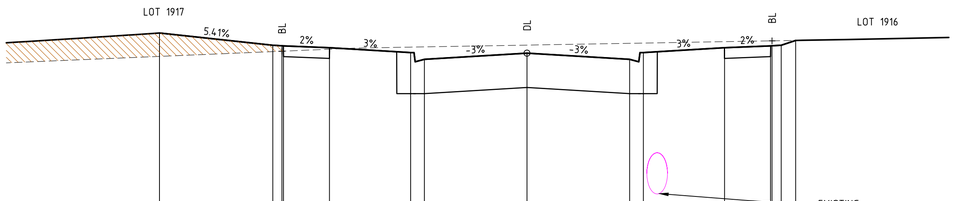
CH 299.074



DATUM RL247.000

DESIGN SURFACE	250.57	250.37	250.361	250.36	250.33	250.25	250.14	250.241	250.14	250.25	250.33	250.36	250.361	250.37	250.55
EXISTING SURFACE	250.2	250.276	250.276	250.28	250.296	250.322	250.326	250.355	250.384	250.388	250.411	250.426	250.427	250.43	250.435
OFFSET	-12.000	-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	8.686

CH 275.174



DATUM RL247.000

DESIGN SURFACE	250.549	250.349	250.341	250.338	250.308	250.229	250.119	250.219	250.119	250.229	250.308	250.338	250.341	250.349	250.427
EXISTING SURFACE	250.167	250.245	250.245	250.253	250.284	250.318	250.322	250.351	250.38	250.384	250.407	250.42	250.421	250.423	250.427
OFFSET	-12.000	-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	8.771

CH 270.874

CANNING DRIVE

Drawing File: G:\Designdata\11700\11739-MERRIFIELD - Precinct 1 - Stage 19\Acad\R0\11739XS01.dwg - 11739XS02
Date/Time: Thu Sep 08, 2016 - 4:54pm --byron.shode--

REV	AMENDMENTS	DATE	APP'D.
1	AS CONSTRUCTED	08/09/16	TL
0	CONSTRUCTION ISSUE	03/02/16	TL

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.

Drawn M.CAPALDO
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Date 24/06/15
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Date 14/09/15
AN 162526
Audited T.OBOUHOFF
Date 31/01/16
AN 912880
Approved T.LIAKOPOULOS
Date 03/02/16
AN 885203

LEGEND

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AS CONSTRUCTED

merrifield
MAB GPC

Coords: MGA
Levels: AHD

Hor 1:100 0m 1m 2m 4m 6m
Ver 1:50 0m 0.5m 1m 2m 3m
Scale @ A1/A3 1:100/1:200
VER: 1:50/1:100

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 19
CROSS SECTIONS
SHEET 02 OF 05
Drawing No. 11739XS02 Rev 1
Sheet No. 11 AS CONSTRUCTED

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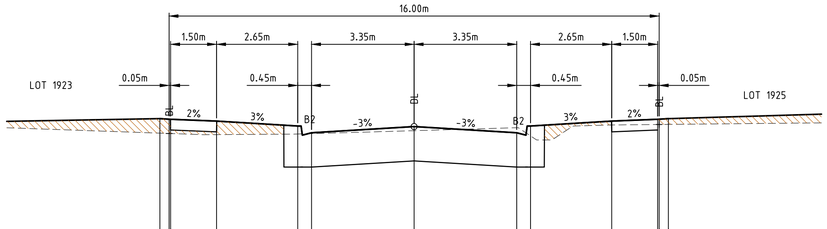

DATUM RL249.000

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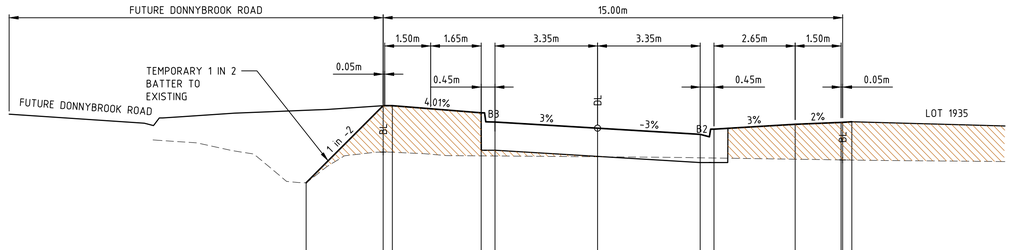
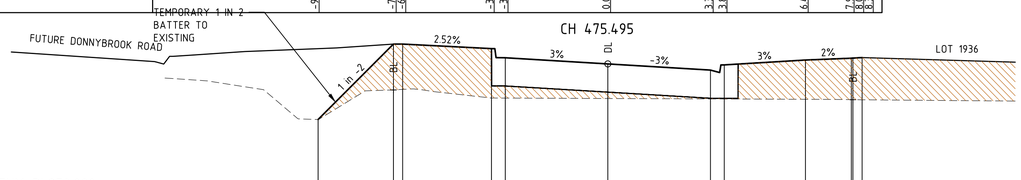


DATUM RL250.000

DESIGN SURFACE	251.403	252.661	252.661	252.545	252.395	252.294	252.194	252.279	252.358	252.388	252.388	252.359
EXISTING SURFACE	251.403	251.905	251.901	251.842	251.841	251.828	251.811	251.808	251.788	251.777	251.776	251.776
OFFSET	-9.516	-7.000	-6.700	-3.800	-3.350	0.000	3.350	3.800	6.450	7.950	8.000	8.300

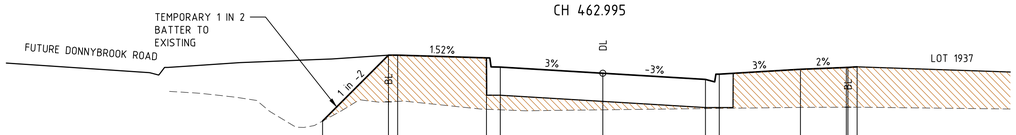
CH 475.495



DATUM RL250.000

DESIGN SURFACE	251.249	252.468	252.468	252.407	252.257	252.156	252.056	252.141	252.22	252.25	252.252	252.261
EXISTING SURFACE	251.249	251.731	251.741	251.6	251.599	251.592	251.585	251.584	251.579	251.573	251.571	251.571
OFFSET	-9.461	-7.000	-6.700	-3.800	-3.350	0.000	3.350	3.800	6.450	7.950	8.000	8.300

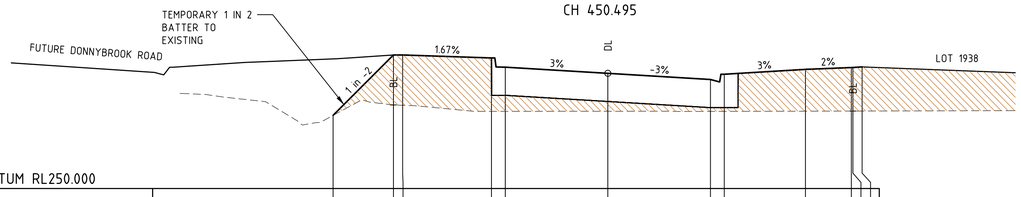
CH 462.995



DATUM RL250.000

DESIGN SURFACE	251.237	252.313	252.313	252.268	252.118	252.018	251.917	252.002	252.082	252.112	252.112	252.122
EXISTING SURFACE	251.237	251.551	251.559	251.429	251.421	251.42	251.441	251.444	251.46	251.463	251.463	251.463
OFFSET	-9.150	-7.000	-6.700	-3.800	-3.350	0.000	3.350	3.800	6.450	7.950	8.000	8.300

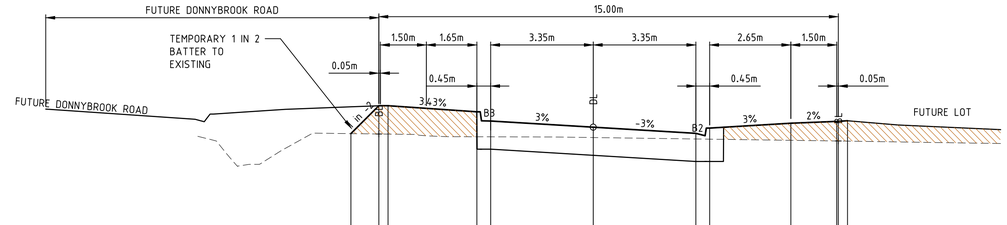
CH 450.495



DATUM RL250.000

DESIGN SURFACE	251.193	252.179	252.179	252.13	252.198	252.188	251.779	251.844	251.944	251.972	251.976	251.984
EXISTING SURFACE	251.193	251.363	251.357	251.259	251.259	251.26	251.258	251.258	251.262	251.263	251.263	251.264
OFFSET	-8.971	-7.000	-6.700	-3.800	-3.350	0.000	3.350	3.800	6.450	7.950	8.000	8.300

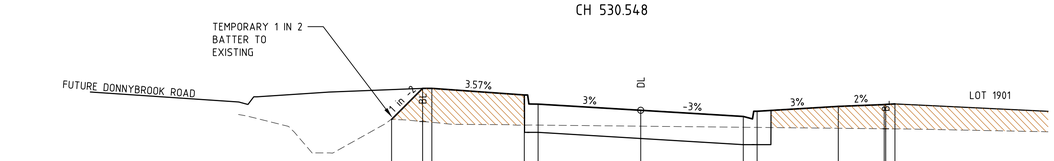
CH 437.995



DATUM RL251.000

DESIGN SURFACE	252.797	253.253	253.253	253.154	253.004	252.903	252.803	252.888	252.967	252.997	252.999	253.008
EXISTING SURFACE	252.797	252.792	252.719	252.746	252.746	252.734	252.71	252.707	252.688	252.677	252.677	252.675
OFFSET	-7.912	-7.000	-6.701	-3.800	-3.350	0.000	3.350	3.800	6.450	7.950	8.000	8.300

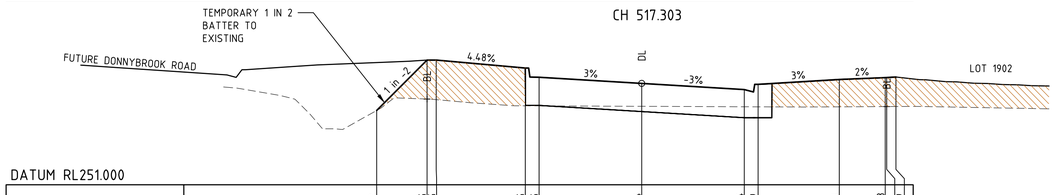
CH 530.548



DATUM RL251.000

DESIGN SURFACE	252.608	253.115	253.115	253.007	252.857	252.757	252.656	252.741	252.821	252.851	252.852	252.861
EXISTING SURFACE	252.608	252.574	252.561	252.515	252.515	252.498	252.48	252.478	252.463	252.456	252.452	252.454
OFFSET	-8.124	-7.119	-6.820	-3.800	-3.350	0.000	3.350	3.800	6.450	7.950	8.000	8.300

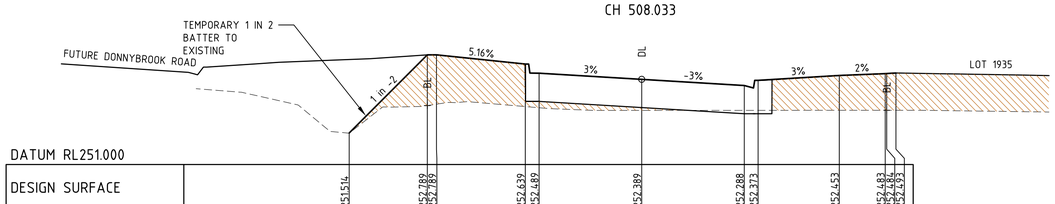
CH 517.303



DATUM RL251.000

DESIGN SURFACE	252.212	253.035	253.035	252.905	252.755	252.654	252.554	252.639	252.718	252.748	252.749	252.759
EXISTING SURFACE	252.212	252.398	252.389	252.288	252.287	252.28	252.273	252.272	252.272	252.276	252.276	252.277
OFFSET	-8.653	-7.008	-6.708	-3.800	-3.350	0.000	3.350	3.800	6.450	7.950	8.000	8.300

CH 508.033



DATUM RL251.000

DESIGN SURFACE	251.514	252.789	252.789	252.639	252.489	252.389	252.288	252.373	252.453	252.483	252.484	252.493
EXISTING SURFACE	251.514	251.961	251.984	251.945	251.926	251.883	251.884	251.884	251.884	251.885	251.885	251.885
OFFSET	-9.550	-7.000	-6.700	-3.800	-3.350	0.000	3.350	3.800	6.450	7.950	8.000	8.300

CH 484.045

CANNING DRIVE

Drawing File: G:\Designdata\11700\11739-MERRIFIELD - Precinct 1 - Stage 19\Acad\R01\11739XS01.dwg - 11739XS04
Date/Time: Thu Sep 08, 2016 - 4:54pm --byron.shode--

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1	AS CONSTRUCTED	08/09/16	TL
0	CONSTRUCTION ISSUE	03/02/16	TL

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AS CONSTRUCTED

merrifield
MAB GPC

Coords: MGA
Levels: AHD

Hor 1:100 0m 1m 2m 4m 6m
Ver 1:50 0m 0.5m 1m 2m 3m
Scale @ A1/A3 1:100/1:200
VER: 1:50/1:100

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 19
CROSS SECTIONS
SHEET 04 OF 05
Drawing No. 11739XS04 Rev 1
Sheet No. 13 AS CONSTRUCTED

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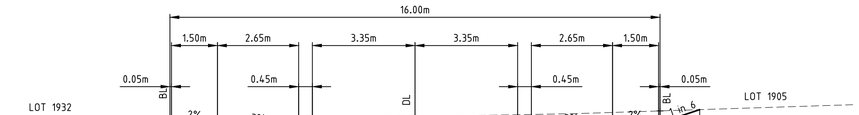
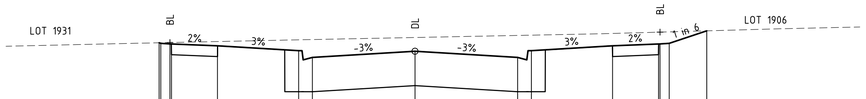


DATUM RL250.000

DESIGN SURFACE	251519	251511	251508	251478	251399	251289	251389	251289	251399	251478	251508	251511	251519	251684
EXISTING SURFACE	251418	251483	251484	2515	251527	251532	251567	251601	251606	251639	251663	251664	251668	251684
OFFSET	-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	9.294

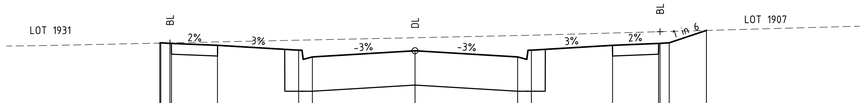
CH 50.300



DATUM RL250.000

DESIGN SURFACE	251457	251448	251438	251408	251328	251218	251319	251218	251328	251408	251438	251448	251457	251652
EXISTING SURFACE	251457	251458	251461	251477	251505	251151	251544	251577	251582	251609	251633	251638	251653	251652
OFFSET	-8.355	-8.300	-8.000	-6.450	-3.800	-3.350	0.000	3.350	3.800	6.450	7.950	8.000	8.300	9.525

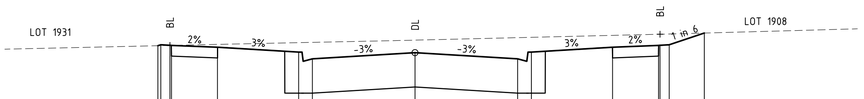
CH 37.800



DATUM RL250.000

DESIGN SURFACE	251381	251380	251380	251375	251345	251266	251156	251256	251156	251266	251345	251375	251380	251380	251588
EXISTING SURFACE	251381	251381	251385	251385	2514	251429	251433	251469	251504	251509	251546	251566	251567	251581	251588
OFFSET	-8.330	-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	9.514

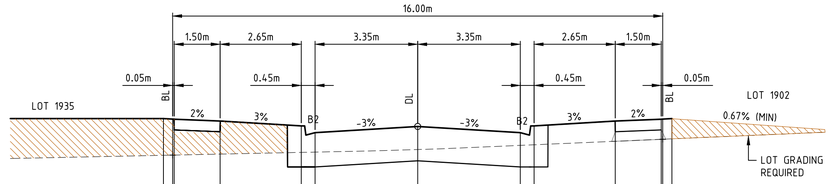
CH 25.300



DATUM RL250.000

DESIGN SURFACE	251303	251319	251319	251308	251278	251199	251089	251189	251089	251199	251278	251308	251319	251319	251151
EXISTING SURFACE	251303	251304	251308	251308	251325	251353	251358	251394	251435	251444	251472	251491	251494	251494	25151
OFFSET	-8.374	-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	9.445

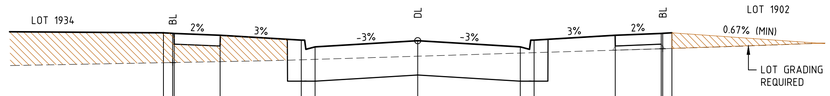
CH 11.950



DATUM RL251.000

DESIGN SURFACE	252503	252494	252494	252493	252463	252383	252273	252374	252273	252383	252463	252493	252494	252494	252503
EXISTING SURFACE	251904	251907	251907	251907	251923	251951	251956	251998	252065	252075	252132	252165	252166	252172	252503
OFFSET	-8.300	-8.000	-7.950	-7.950	-6.450	-3.800	-3.350	0.000	3.350	3.800	6.450	7.950	8.000	8.300	

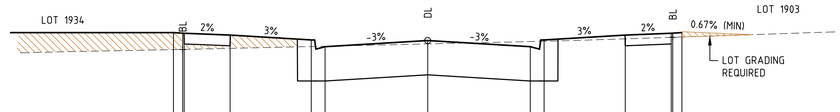
CH 111.042



DATUM RL250.000

DESIGN SURFACE	252268	252265	252259	252251	252227	252148	252038	252138	252038	252148	252227	252257	252259	252259	252268
EXISTING SURFACE	251779	251782	251783	251797	251797	251827	251834	251885	251937	251944	251984	252007	252008	252012	252268
OFFSET	-8.300	-8.000	-7.950	-6.450	-6.450	-3.800	-3.350	0.000	3.350	3.800	6.450	7.950	8.000	8.300	

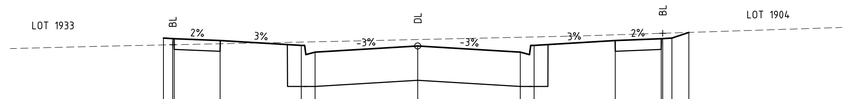
CH 92.300



DATUM RL250.000

DESIGN SURFACE	25197	251961	251961	251961	251193	251185	251174	251841	251174	251185	251193	251961	251961	251961	251197
EXISTING SURFACE	251692	251695	251696	251696	251713	251743	251748	251786	251823	251828	251868	251883	251883	251888	251888
OFFSET	-8.300	-8.000	-7.950	-7.950	-6.450	-3.800	-3.350	0.000	3.350	3.800	6.450	7.950	8.000	8.300	

CH 78.300



DATUM RL250.000

DESIGN SURFACE	251689	251688	251679	251649	251569	251459	251156	251459	251569	251649	251679	251688	251689	251689	251781
EXISTING SURFACE	251577	251578	251581	251596	251623	251628	251665	251702	251707	251742	251767	251767	251772	251772	251781
OFFSET	-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	8.833	

CH 64.300

FERRARS WAY

Drawing File: G:\Designdata\11700\11739-MERRIFIELD - Precinct 1 - Stage 19\Acad\RD\11739XS01.dwg - 11739XS05
Date/Time: Thu Sep 08, 2016 - 4:54pm --byron.shode--

REV	AMENDMENTS	DATE	APP'D.
1	AS CONSTRUCTED	08/09/16	TL
0	CONSTRUCTION ISSUE	03/02/16	TL

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.

Drawn M.CAPALDO
Date 04/09/15
AN 1451046
Designed N.MIRATANA
Date 24/06/15
AN 1541361
Verified B.GORDON
Date 14/09/15
AN 162529
Audited T.OBOUHOFF
Date 31/01/16
AN 912883
Approved T.LIAKOPOULOS
Date 03/02/16
AN 885206

LEGEND

DENOTES ENGINEERED FILL TO BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT PREPARED BY GOLDER ASSOCIATES. ENGINEERING FILL TO BE APPROVED BY HUME CITY COUNCIL REFER TO DWG 11739TD01 NOTES, WITH LEVEL 1 SUPERVISION IN ACCORDANCE WITH AS3798-2007.

AS CONSTRUCTED

merrifield
MAB GPC

Coords: MGA
Levels: AHD

Hor 1:100 0m 1m 2m 4m 6m
Ver 1:50 0m 0.5m 1m 2m 3m
Scale @ A1/A3 1:100/1:200
VER: 1:50/1:100

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 19
CROSS SECTIONS
SHEET 05 OF 05
Drawing No. 11739XS05 Rev 1
Sheet No. 14 AS CONSTRUCTED

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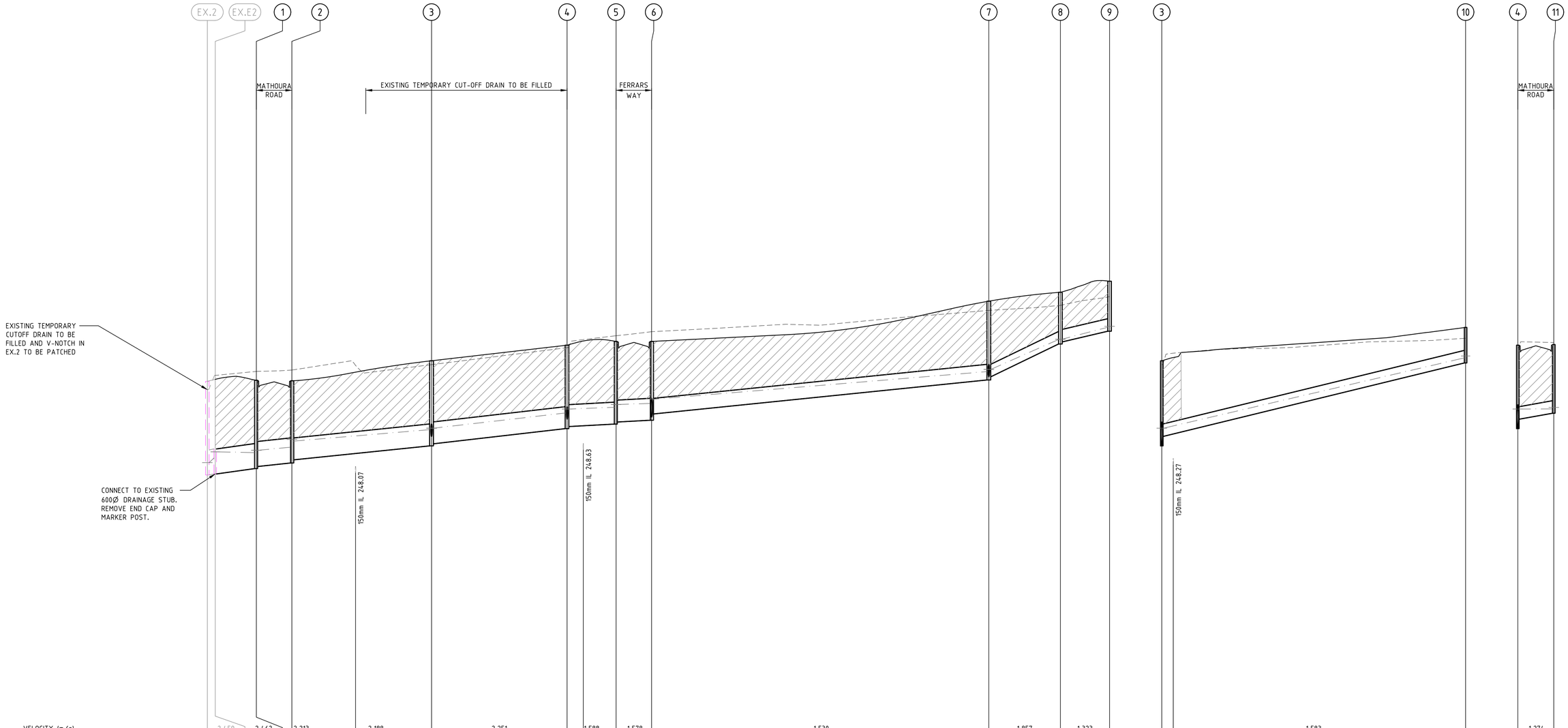
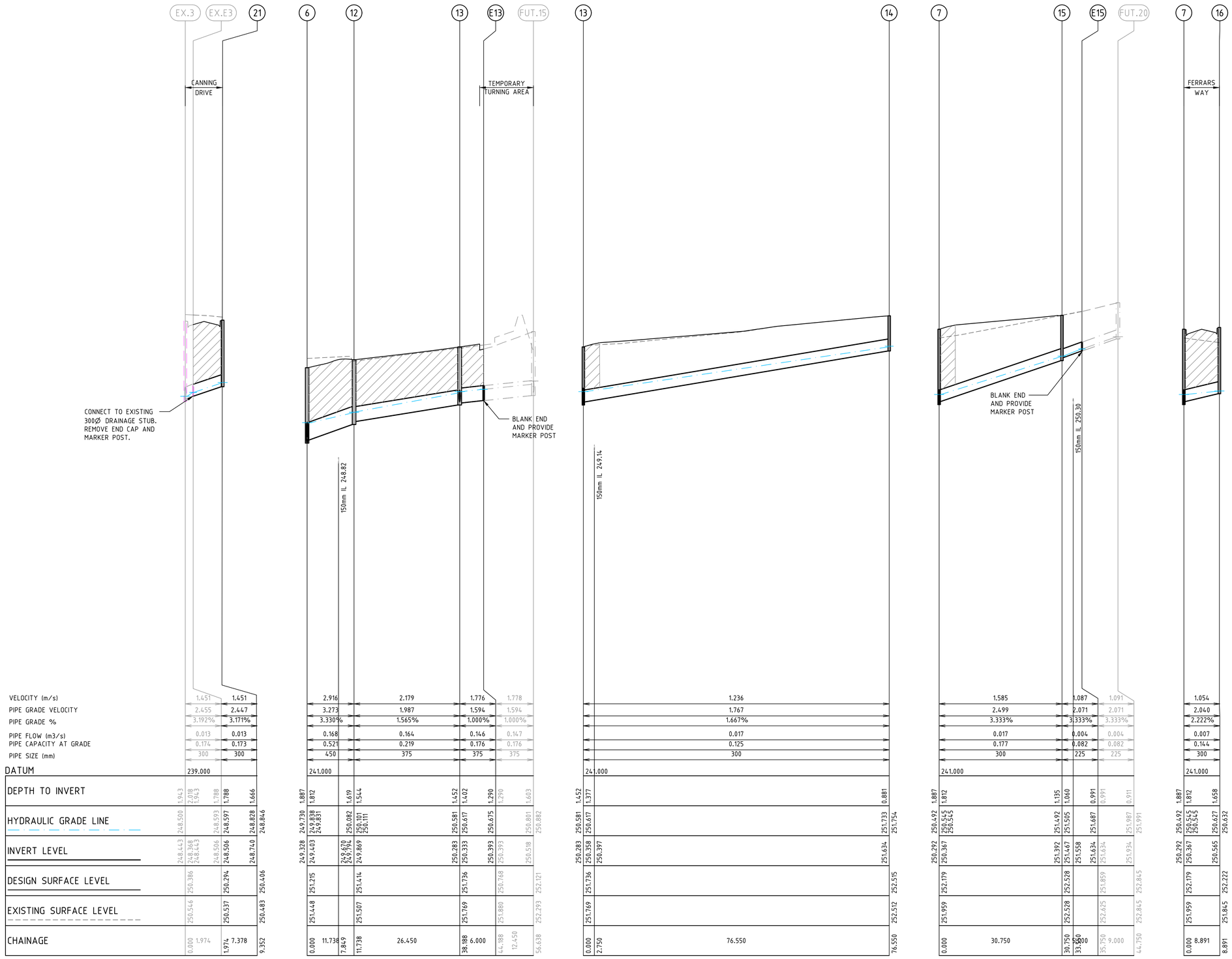

EX.2
EX.E2
1
2
3
4
5
6
7
8
9
3
10
4
11
MATHOURA ROAD
EXISTING TEMPORARY CUT-OFF DRAIN TO BE FILLED
FERRARS WAY
MATHOURA ROAD
EXISTING TEMPORARY CUTOFF DRAIN TO BE FILLED AND V-NOTCH IN EX.2 TO BE PATCHED
CONNECT TO EXISTING 600Ø DRAINAGE STUB. REMOVE END CAP AND MARKER POST.
150mm IL 248.07
150mm IL 248.63
150mm IL 248.27

| | | |



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REV	AMENDMENTS	DATE	APP'D.
1	AS CONSTRUCTED	08/09/16	TL
0	CONSTRUCTION ISSUE	03/02/16	TL

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Drawn M.CAPALDO
Date 04/09/15
AN 1451046
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Date 24/06/15
AN 1541363
Verified B.GORDON
Date 14/09/15
AN 162531
Audited T.OBOUHOFF
Date 31/01/16
AN 912885
Approved T.LIAKOPOULOS
Date 03/02/16
AN 885208

DENOTES CRUSHED ROCK BACKFILL

AS CONSTRUCTED

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
VER: 1:50/1:100

MERRIFIELD DEVELOPMENT

DONNYBROOK ROAD, MICKLEHAM
STAGE 19
DRAINAGE LONGITUDINAL SECTIONS
SHEET 02 OF 04
Drawing No. 11739DR02 Rev 1
Sheet No. 16 AS CONSTRUCTED

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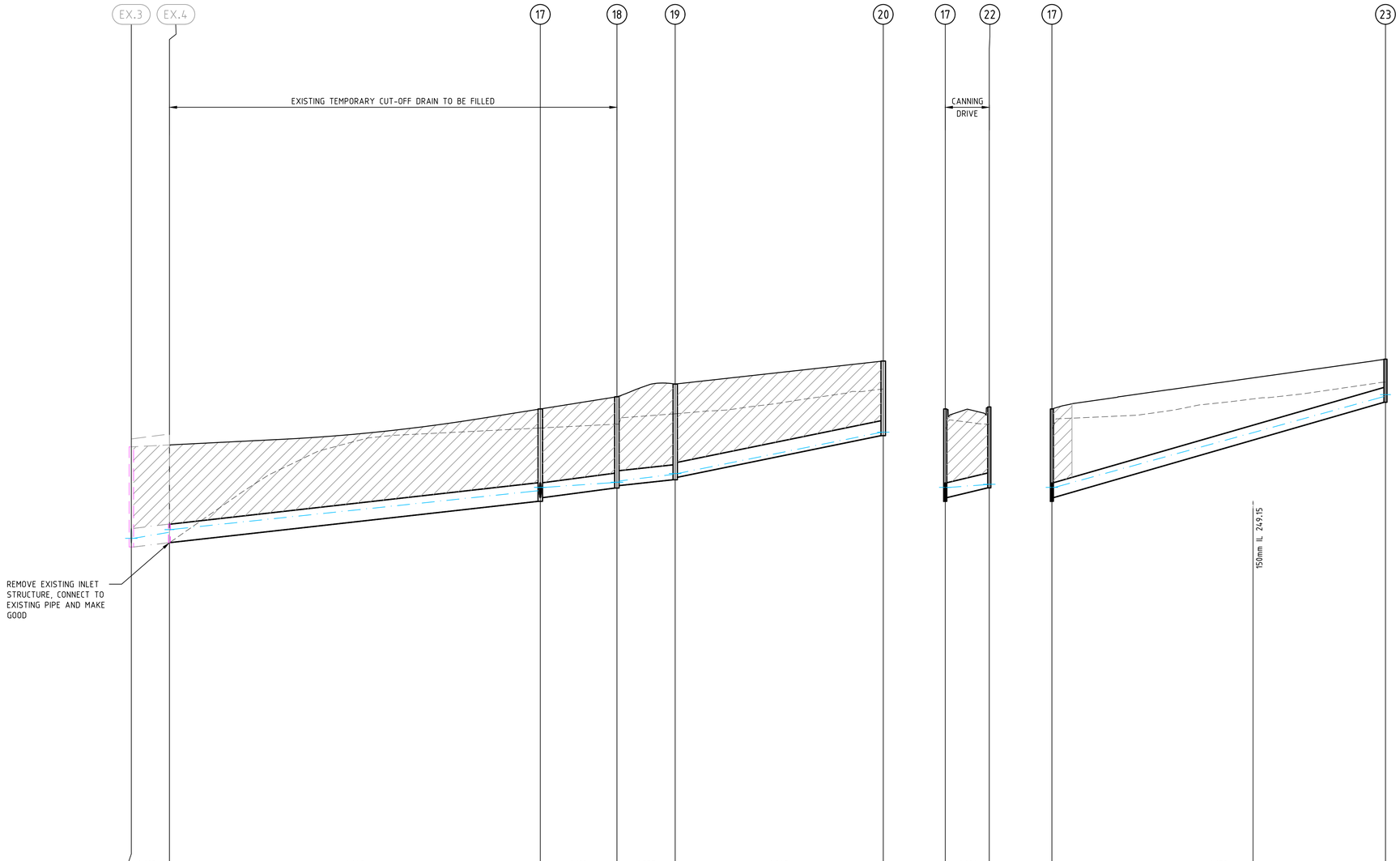
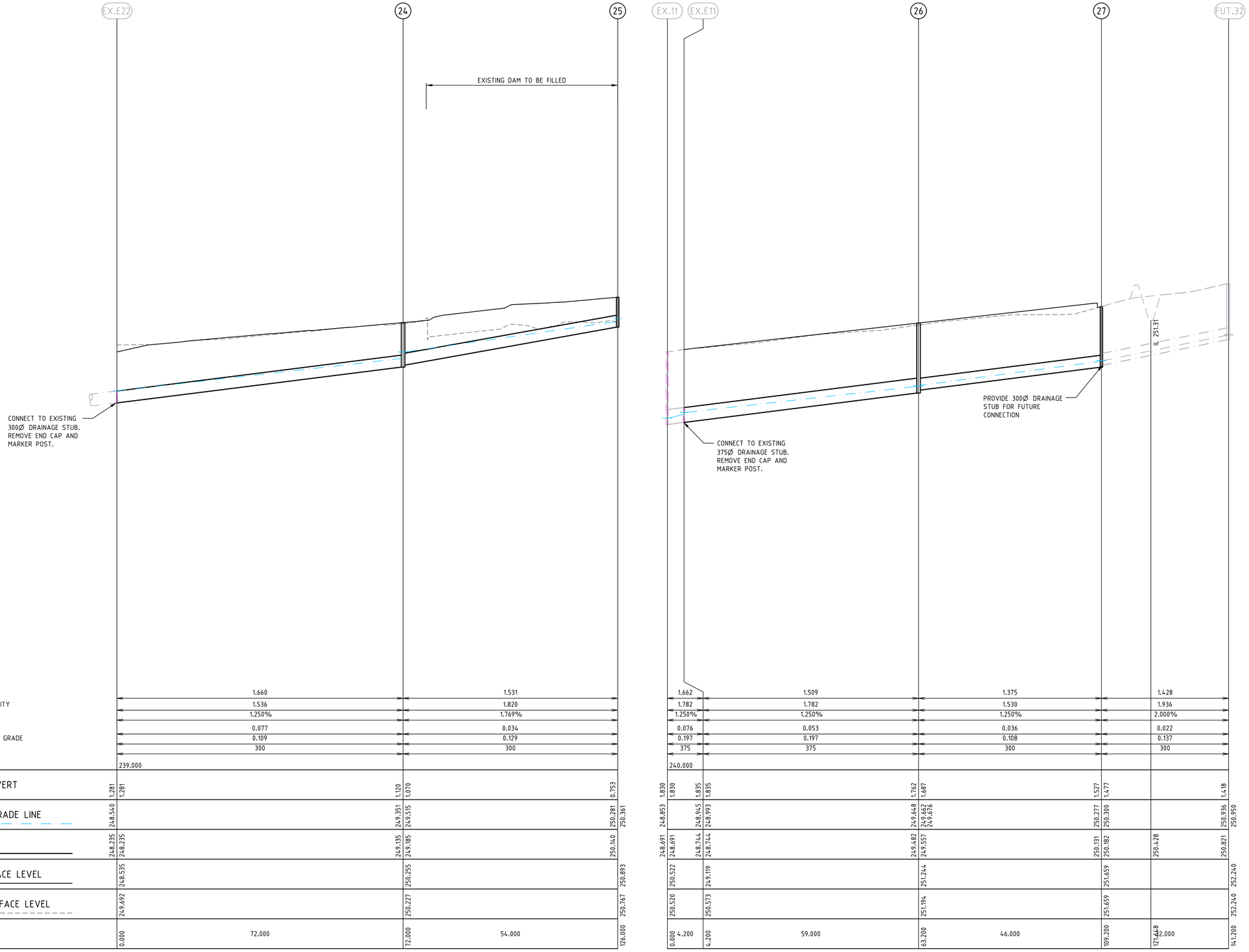

EX.3
EX.4
17
18
19
20
17
22
17
23
EXISTING TEMPORARY CUT-OFF DRAIN TO BE FILLED
CANNING DRIVE
REMOVE EXISTING INLET STRUCTURE, CONNECT TO EXISTING PIPE AND MAKE GOOD
150mm IL 249.15

| | | |



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Date/Time: Thu Sep 08, 2016 - 4:55pm --byron.shode--

REV	AMENDMENTS	DATE	APP'D.
1	AS CONSTRUCTED	08/09/16	TL
0	CONSTRUCTION ISSUE	03/02/16	TL

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.

Drawn M.CAPALDO
Date 04/09/15
AN 1451046
Designed N.MIRATANA
Date 24/06/15
AN 1541365
Verified B.GORDON
Date 14/09/15
AN 162533
Audited T.OBOUHOFF
Date 31/01/16
AN 912887
Approved T.LIAKOPOULOS
Date 03/02/16
AN 885210

DENOTES CRUSHED ROCK BACKFILL

AS CONSTRUCTED

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
VER: 1:50/1:100

MERRIFIELD DEVELOPMENT

DONNYBROOK ROAD, MICKLEHAM
STAGE 19
DRAINAGE LONGITUDINAL SECTIONS
SHEET 04 OF 04
Drawing No. 11739DR04 Rev 1
Sheet No. 18 AS CONSTRUCTED

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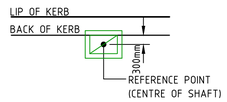
PIT		EASTING	NORTHING	INTERNAL		INLET		OUTLET		PIT		REMARKS
NAME	TYPE			WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	
Ex.2	GSEP	314596.329	5843837.584	T600	T900	450	248.168	675	247.943	250.261	2.243	EXISTING HAUNCHED JP TO BE CONVERTED TO GSEP. REFER TO MPA STD DRG FIG.012 & HCC STD DRG SD245. PIT TO HAVE EXISTING V-NOTCH PATCHED ONCE TEMPORARY CUT-OFF DRAIN IS FILLED.
				B900	B1100	600	248.018					
Ex.E2	EP	314594.837	5843836.420			600	248.042	600	248.043	248.642	0.6	EXISTING STUB END. END CAP AND MARKER POST TO BE REMOVED AND NEW PIPE CONNECTED.
1	GSEP	314587.073	5843830.366	T600	T900	600	248.22	600	248.17	250.285	2.115	HAUNCHED GSEP. REFER TO MPA STD DRG FIG.012 & HUME CITY COUNCIL SD 245
				B900	B1100							
2	GSEP	314586.029	5843821.930	T600	T900	525	248.38	600	248.305	250.274	1.969	HAUNCHED GSEP. REFER TO MPA STD DRG FIG.012 & VICROADS SD 1021-1023
				B900	B900							
3	GSEP	314552.832	5843826.037	T600	T900	525	248.765	525	248.714	250.752	2.038	HAUNCHED GSEP. REFER TO MPA STD DRG FIG.012 & VICROADS SD 1021-1023
				B900	B900	300	248.94					
4	GSEP	314520.628	5843830.021	T600	T900	525	249.177	525	249.127	251.125	1.998	HAUNCHED GSEP. REFER TO MPA STD DRG FIG.012 & VICROADS SD 1021-1023
				B900	B900	300	249.352					
5	GSEP	314511.372	5843822.803	T600	T900	525	249.286	525	249.236	251.215	1.979	HAUNCHED GSEP. REFER TO MPA STD DRG FIG.012 & VICROADS SD 1021-1023
				B900	B900							
6	GSEP	314502.936	5843823.847	T600	T900	375	249.478	525	249.328	251.215	1.887	HAUNCHED GSEP. REFER TO MPA STD DRG FIG.012 & VICROADS SD 1021-1023
				B900	B900	450	249.403					
7	GSEP	314493.021	5843743.708	600	900	300	250.367	375	250.292	252.179	1.887	REFER TO MPA STD DRG FIG.012
						300	250.367					
						300	250.367					
8	GSEP	314490.916	5843726.695	600	900	300	251.203	300	251.153	252.392	1.239	REFER TO MPA STD DRG FIG.012
9	GSEP	314481.607	5843719.492	600	900			300	251.46	252.657	1.198	REFER TO MPA STD DRG FIG.012
10	JP	314543.900	5843753.837	600	600			300	250.7	251.551	0.851	REFER TO MPA STD DRG FIG.014
11	GSEP	314520.307	5843838.626	600	900			300	249.496	251.141	1.645	REFER TO MPA STD DRG FIG.012
12	GSEP	314495.718	5843833.103	600	900	375	249.869	450	249.794	251.414	1.619	REFER TO MPA STD DRG FIG.012
13	GSEP	314469.468	5843836.351	600	900	375	250.333	375	250.283	251.736	1.452	REFER TO MPA STD DRG FIG.012
						300	250.358					
E13	EP	314463.513	5843837.088			375	250.393	375	250.393	250.768	0.375	TEMPORARY END. PROVIDE END CAP AND MARKER POST
14	JP	314460.069	5843760.380	600	600			300	251.634	252.515	0.881	REFER TO MPA STD DRG FIG.014
15	JP	314462.504	5843747.484	600	900	225	251.467	300	251.392	252.528	1.135	REFER TO MPA STD DRG FIG.014
E15	EP	314457.542	5843748.097			225	251.634	225	251.634	251.859	0.225	TEMPORARY END. PROVIDE END CAP AND MARKER POST
16	GSEP	314501.137	5843740.076	600	900			300	250.565	252.222	1.658	REFER TO MPA STD DRG FIG.012
Ex.3	GSEP	314593.247	5843812.674	T600	T900	375	248.368	450	248.293	250.386	2.018	EXISTING HAUNCHED JP TO BE CONVERTED TO GSEP. REFER TO MPA STD DRG FIG.012 & HCC STD DRG SD245.
				B900	B900	300	248.443					
Ex.4	EP	314592.304	5843805.046			375	248.457	375	248.454	248.829	0.375	EXISTING ENDWALL TO BE REMOVED AND NEW PIPE TO BE CONNECTED TO EXISTING PIPE.
17	GSEP	314583.124	5843730.847	600	900	300	249.363	375	249.288	251.149	1.862	REFER TO MPA STD DRG FIG.012
						300	249.363					
						300	249.363					
18	GSEP	314581.227	5843715.514	600	900	300	249.606	300	249.556	251.395	1.839	REFER TO MPA STD DRG FIG.012
19	GSEP	314571.971	5843708.296	600	900	300	249.773	300	249.723	251.651	1.928	REFER TO MPA STD DRG FIG.012
20	GSEP	314530.338	5843713.447	600	900			300	250.612	252.115	1.503	REFER TO MPA STD DRG FIG.012
Ex.E3	EP	314594.926	5843811.637			300	248.506	300	248.506	250.294	1.788	EXISTING STUB END. END CAP AND MARKER POST TO BE REMOVED AND NEW PIPE CONNECTED.
21	GSEP	314601.204	5843807.759	600	900			300	248.74	250.406	1.666	REFER TO MPA STD DRG FIG.012
22	GSEP	314591.246	5843727.273	600	900			300	249.56	251.19	1.63	REFER TO MPA STD DRG FIG.012
23	JP	314516.383	5843739.105	600	600			300	251.284	252.153	0.869	REFER TO MPA STD DRG FIG.014
Ex.E22	EP	314646.537	5843843.917			300	248.235			248.535	0.3	EXISTING STUB END. END CAP AND MARKER POST TO BE REMOVED AND NEW PIPE CONNECTED.
24	JP	314637.696	5843772.462	600	900	300	249.185	300	249.135	250.255	1.12	REFER TO MPA STD DRG FIG.014
25	JP	314631.066	5843718.870	600	600			300	250.14	250.893	0.753	REFER TO MPA STD DRG FIG.014
Ex.E11	EP	314573.029	5843867.118			375	248.744	375	248.744	249.119	0.375	EXISTING STUB END. END CAP AND MARKER POST TO BE REMOVED AND NEW PIPE CONNECTED.
26	JP	314514.476	5843874.362	600	900	300	249.557	375	249.482	251.244	1.762	REFER TO MPA STD DRG FIG.014
27	JP	314468.824	5843880.010	600	900	300	250.182	300	250.131	251.659	1.527	REFER TO MPA STD DRG FIG.014
CUL1	EW	314453.163	5843856.345			450x300	251.526			251.826	0.3	BOX CULVERT TO FOLLOW EXISTING CENTRELINE OF OPEN-EARTH DRAIN
CUL2	EW	314449.415	5843827.789					450x300	251.764	252.064	0.3	BOX CULVERT TO FOLLOW EXISTING CENTRELINE OF OPEN-EARTH DRAIN

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

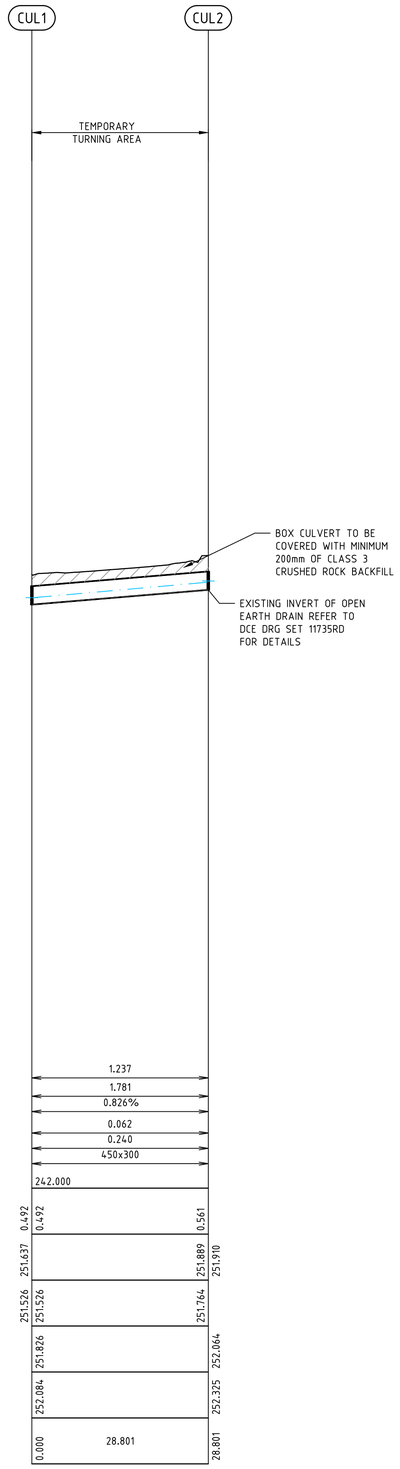


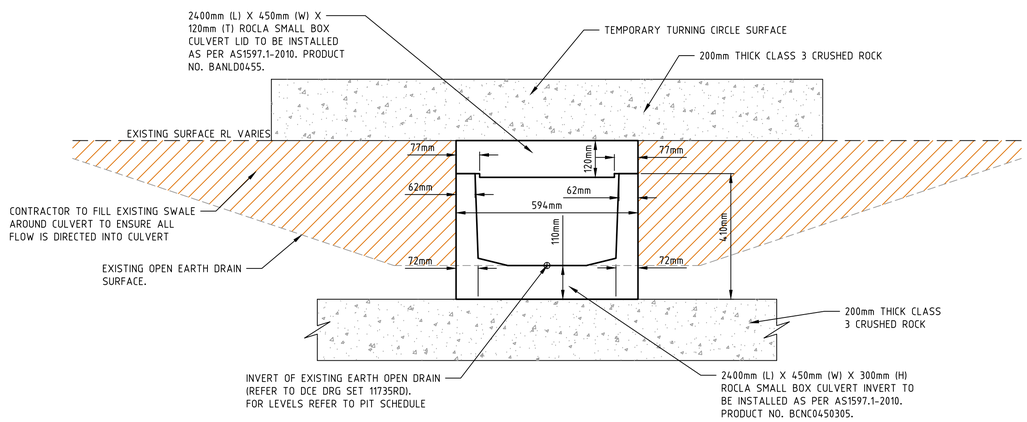
PIT SETOUT POINT

SCALE 1:100

NOTES :

1. EASTING, NORTHING SETOUT TO CENTRE OF PIT COVER SHAFT.
2. SETOUT LEVEL TO PIT COVER LEVEL.
3. EASTING, NORTHING ENDWALL SETOUT POINTS QUOTED TO PIPE BASE CENTRE.
4. ALL PIT COVERS TO BE IN ACCORDANCE TO MPA.
5. ALL TEMPORARY JUNCTION PITS (JP) TO BE CONSTRUCTED WITH KEYED CONSTRUCTION JOINTS (K.C.J) FOR FUTURE SEP CONVERSION
6. ALL DRAINAGE WORKS ARE TO BE CONSTRUCTED TO GROWTH AREA AUTHORITY (GAA) SPECIFICATIONS.
7. PIT BASE TO BE SHAPED WITH MASS CONCRETE FOR SMOOTH HYDRAULIC FLOW.
8. 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.
9. ALL HAUNCHED PITS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HUME CITY COUNCIL SD245





TYPICAL ROCLA SMALL BOX CULVERT INVERT AND LID DETAIL

N.T.S

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.

Drawing File: G:\Designdata\11700\11739-MERRIFIELD - Precinct 1 - Stage 19\Acad\PD\ 11739DR01.dwg - 11739DR05
Date/Time: Thu Sep 08, 2016 - 4:55pm --byron.shade--

REV	AMENDMENTS	DATE	APP'D.
1	AS CONSTRUCTED	08/09/16	TL
0	CONSTRUCTION ISSUE	03/02/16	TL

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.

Drawn M.CAPALDO
Date 04/09/15
AN 1451046
Designed N.MIRATANA
Date 24/06/15
AN 1541365
Verified B.GORDON
Date 14/09/15
AN 162533
Audited T.OBOUHOFF
Date 31/01/16
AN 912888
Approved T.LIAKOPOULOS
Date 03/02/16
AN 885211

DENOTES CRUSHED ROCK BACKFILL

AS CONSTRUCTED

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
VER: 1:50/1:100

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 19
PIT SCHEDULE AND DETAILS

Drawing No. 11739DR05 Rev 1
Sheet No. 19 AS CONSTRUCTED

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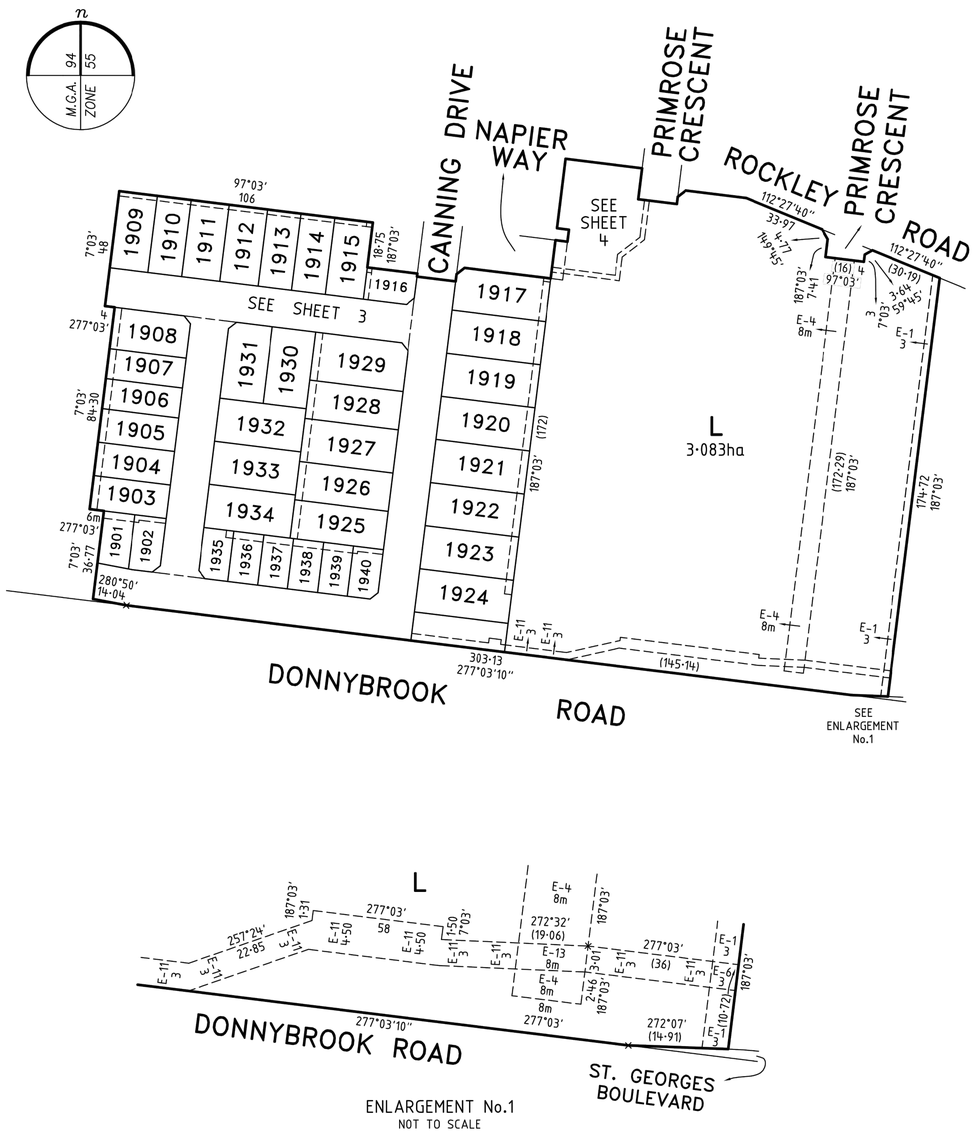
PLAN OF SUBDIVISION | PS 742714U

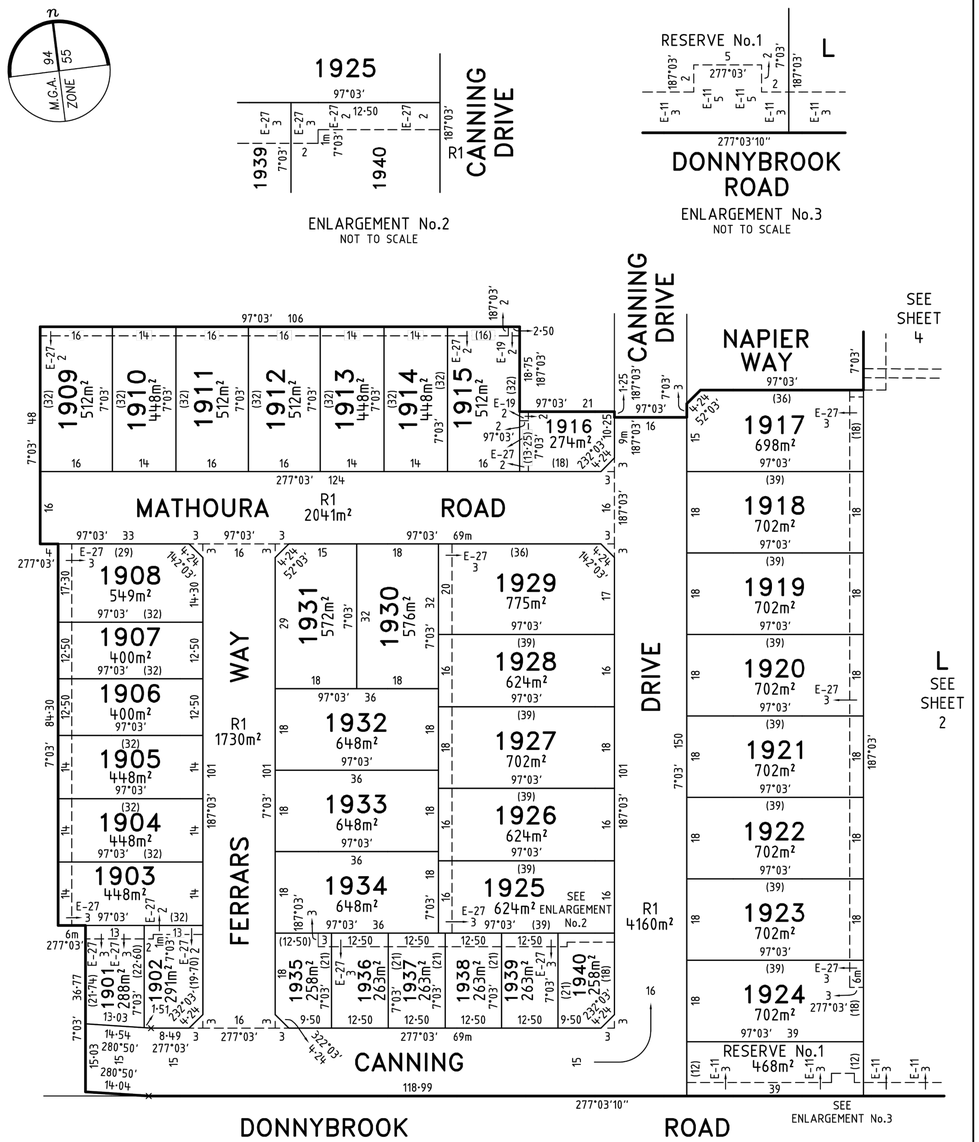


MERRIFIELD – 19

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 GEOFFREY JAMES TURNER
SCALE 1:1500
LENGTHS ARE IN METRES
DATE 12/10/15 REFERENCE 29005193
VERSION D DRAWING 2900519AD
ORIGINAL SHEET SIZE A3
SHEET 2

PLAN OF SUBDIVISION | PS 742714U



MERRIFIELD – 19

Bosco Jonson Pty Ltd
A.B.N 15 169 138 827
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16 Eastern Road South Melbourne
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Tel 03) 9699 1400 Fax 03) 9699 5992

LICENSED SURVEYOR GEOFFREY JAMES TURNER
SCALE 1:800
LENGTHS ARE IN METRES
DATE 12/10/15 REFERENCE 29005193
VERSION D DRAWING 2900519AD
ORIGINAL SHEET SIZE A3
SHEET 3

REV	AMENDMENTS	DATE	APP'D.
1	AS CONSTRUCTED	08/09/16	TL
0	CONSTRUCTION ISSUE	03/02/16	TL

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Drawn M.CAPALDO
Date 04/09/15
AN 1451046
Designed N.MIRATANA
Date 24/06/15
AN 1541370
Verified B.GORDON
Date 14/09/15
AN 162534
Audited T.OBOUHOFF
Date 31/01/16
AN 912889
Approved T.LIAKOPOULOS
Date 03/02/16
AN 885212

AS CONSTRUCTED

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

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 19
PLAN OF SUBDIVISION
SHEET 01 OF 02
Drawing No. 11739POS01 Rev 1
Sheet No. 20 AS CONSTRUCTED

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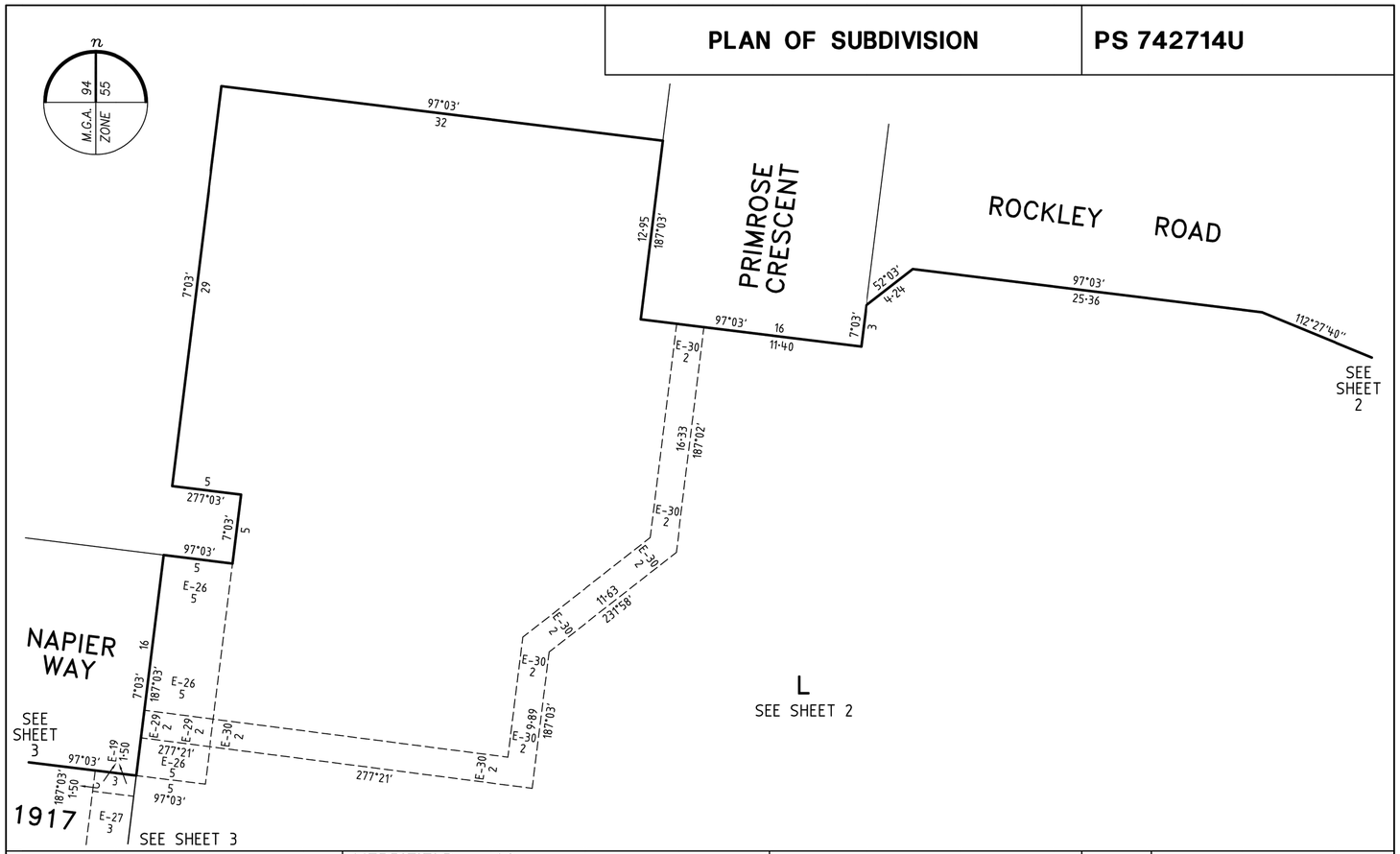
PLAN OF SUBDIVISION	PS 742714U



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16 Eastern Road South Melbourne
Vic 3205 Australia
Tel 03) 9699 1400 Fax 03) 9699 5992

MERRIFIELD – 19	2·5 0 5 10 LENGTHS ARE IN METRES	SCALE 1:250	ORIGINAL SHEET SIZE A3
LICENSED SURVEYOR GEOFFREY JAMES TURNER			SHEET 4
DATE 12/10/15 REFERENCE 29005193			
VERSION D DRAWING 2900519AD			

Drawing File: G:\Designdata\11700\11739-MERRIFIELD - Precinct 1 - Stage 19\Acad\R0\11739POS01.dwg - 11739POS02
Date/Time: Thu Sep 08, 2016 - 4:35pm --byron.shade--

REV	AMENDMENTS	DATE	APP'D.
1	AS CONSTRUCTED	08/09/16	TL
0	CONSTRUCTION ISSUE	03/02/16	TL

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.

Drawn M.CAPALDO
Date 04/09/15
AN 1451046
Designed N.MIRATANA
Date 24/06/15
AN 1541371
Verified B.GORDON
Date 14/09/15
AN 162535
Audited T.OBOUHOFF
Date 31/01/16
AN 912890
Approved T.LIAKOPOULOS
Date 03/02/16
AN 885213

AS CONSTRUCTED

merrifield
MAB GPC
Coords: MGA
Levels: AHD

Scale @ A1/A3

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 19
PLAN OF SUBDIVISION
SHEET 02 OF 02
Drawing No. 11739POS02 Rev 1
Sheet No. 21 AS CONSTRUCTED

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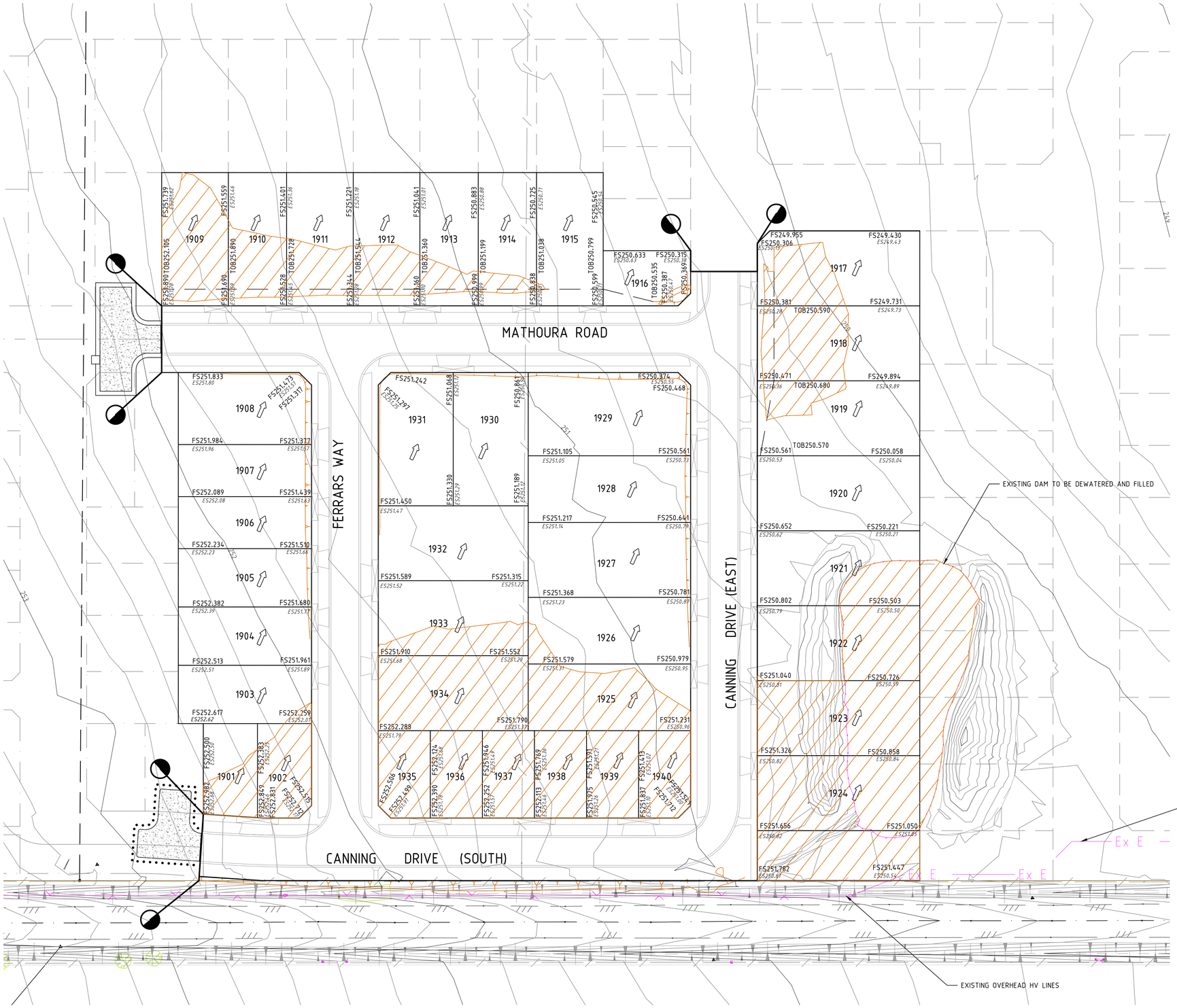

FILL PLAN NOTES

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.

NOTES:

1. ALL EXCESS CUT MATERIAL IS BE STOCKPILED ONSITE IN DESIGNATED STOCKPILE AREA 'SP3' AS SHOWN ON DWG NO.11720GP01
2. PRINCIPAL CONTRACTOR TO ENSURE ALL RELEVANT PERSONAL INCLUDING SUB-CONTRACTORS ARE INDUCTED INTO THE REQUIREMENTS OF THIS PLAN.
3. IF ANY MATERIAL IS TO BE TAKEN OFFSITE, IT MUST BE TAKEN TO A LEGAL DISPOSAL SITE. SUPERINTENDENT AND HUME COUNCIL MUST BE NOTIFIED IN WRITING OF DISPOSAL SITES PRIOR TO MATERIAL LEAVING THE SITE.
4. THE DEFINITION OF FILL FOR THE PURPOSE OF THIS PLAN INCLUDES ANY SOIL, ROCK, SUBSTRATE CLAY, SAND OR OTHER NATURAL GENERATED THROUGH THE EXCAVATION OF THE SITE.

Drawing File: G:\Designdata\11700\11739-MERRIFIELD - Precinct 1 - Stage 19\Acad\R0\
11739FP01.dwg - 11739FP01
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REV	AMENDMENTS	DATE	APP'D.
1	AS CONSTRUCTED	08/09/16	TL
0	CONSTRUCTION ISSUE	03/02/16	TL

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Drawn M.CAPALDO
Date 04/09/15
AN 1451046
Designed N.MIRATANA
Date 24/06/15
AN 1541366
Verified B.GORDON
Date 14/09/15
AN 162536
Audited T.OBOUHOFF
Date 31/01/16
AN 912891
Approved T.LIAKOPOULOS
Date 03/02/16
AN 885214

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
DONNYBROOK ROAD, MICKLEHAM
STAGE 19
FILL PLAN

Drawing No. 11739FP01 Rev 1
Sheet No. 22 AS CONSTRUCTED

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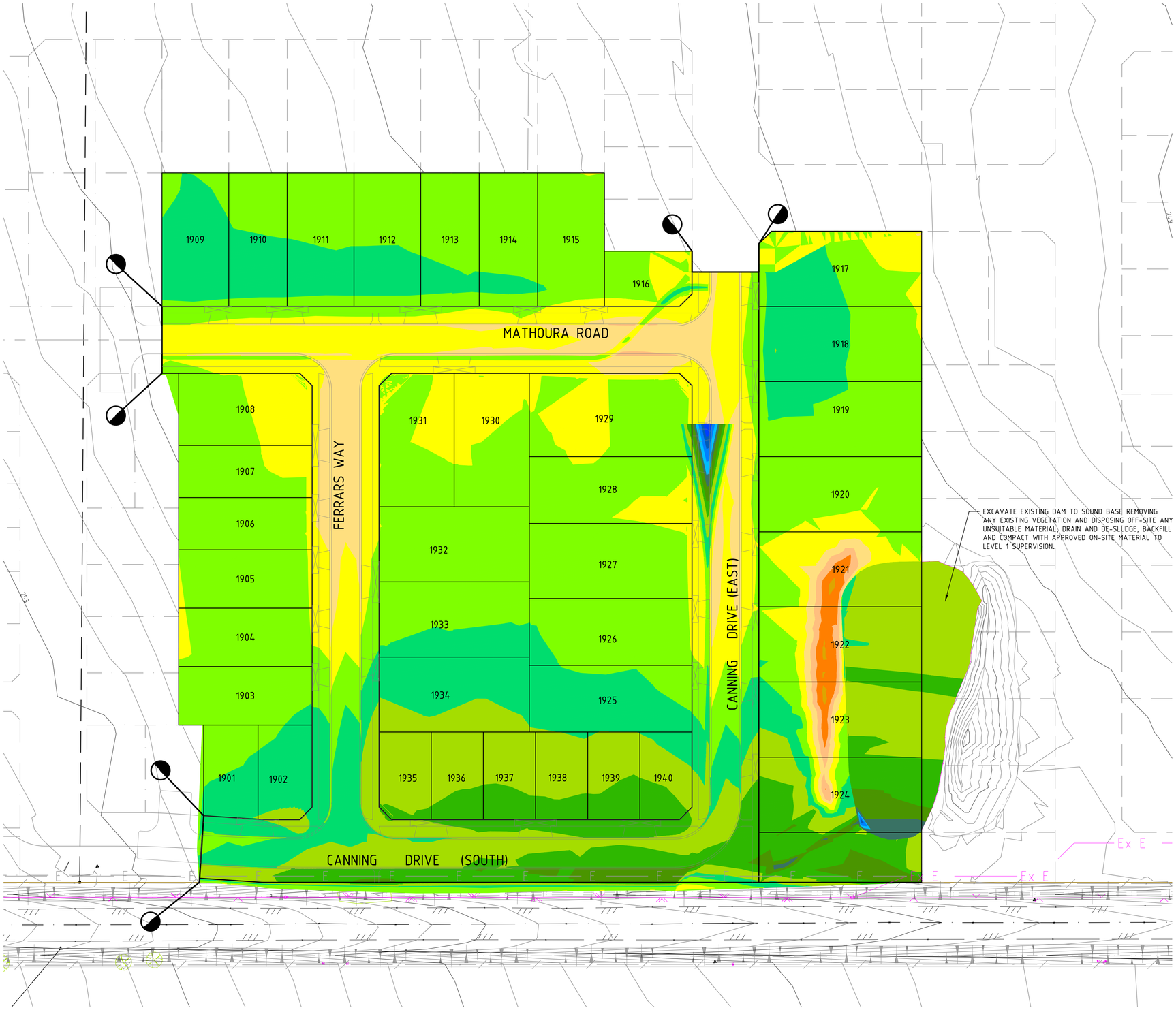

AS CONSTRUCTED

FILL PLAN NOTES

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Drawing File: G:\Designdata\11720\11739-MERRIFIELD - Precinct 1 - Stage 19\Acad\R0\11739EW01.dwg - 11739EW01
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REV	AMENDMENTS	DATE	APP'D.
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Drawn M.CAPALDO
Date 04/09/15
AN 1451046
Designed N.MIRATANA
Date 24/06/15
AN 1541369
Verified B.GORDON
Date 14/09/15
AN 162537
Audited T.OBOUHOFF
Date 31/01/16
AN 912892
Approved T.LIAKOPOULOS
Date 03/02/16
AN 885215

LEGEND

-100 TO -6m	-1.8 TO -1.6m	-0.6 TO -0.4m	0.6 TO 0.8m	1.8 TO 2m
-6 TO -5m	-1.6 TO -1.4m	-0.4 TO -0.2m	0.8 TO 1.0m	2 TO 3m
-5 TO -4m	-1.4 TO -1.2m	-0.2 TO 0.0m	1.0 TO 1.2m	3 TO 4m
-4 TO -3m	-1.2 TO -1.0m	0.0 TO 0.2m	1.2 TO 1.4m	4 TO 5m
-3 TO -2m	-1.0 TO -0.8m	0.2 TO 0.4m	1.4 TO 1.6m	5 TO 6m
-2 TO -1.8m	-0.8 TO -0.6m	0.4 TO 0.6m	1.6 TO 1.8m	6 TO 100m

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 19
EARTHWORKS PLAN

Drawing No. 11739EW01 Rev 1
Sheet No. 23 AS CONSTRUCTED

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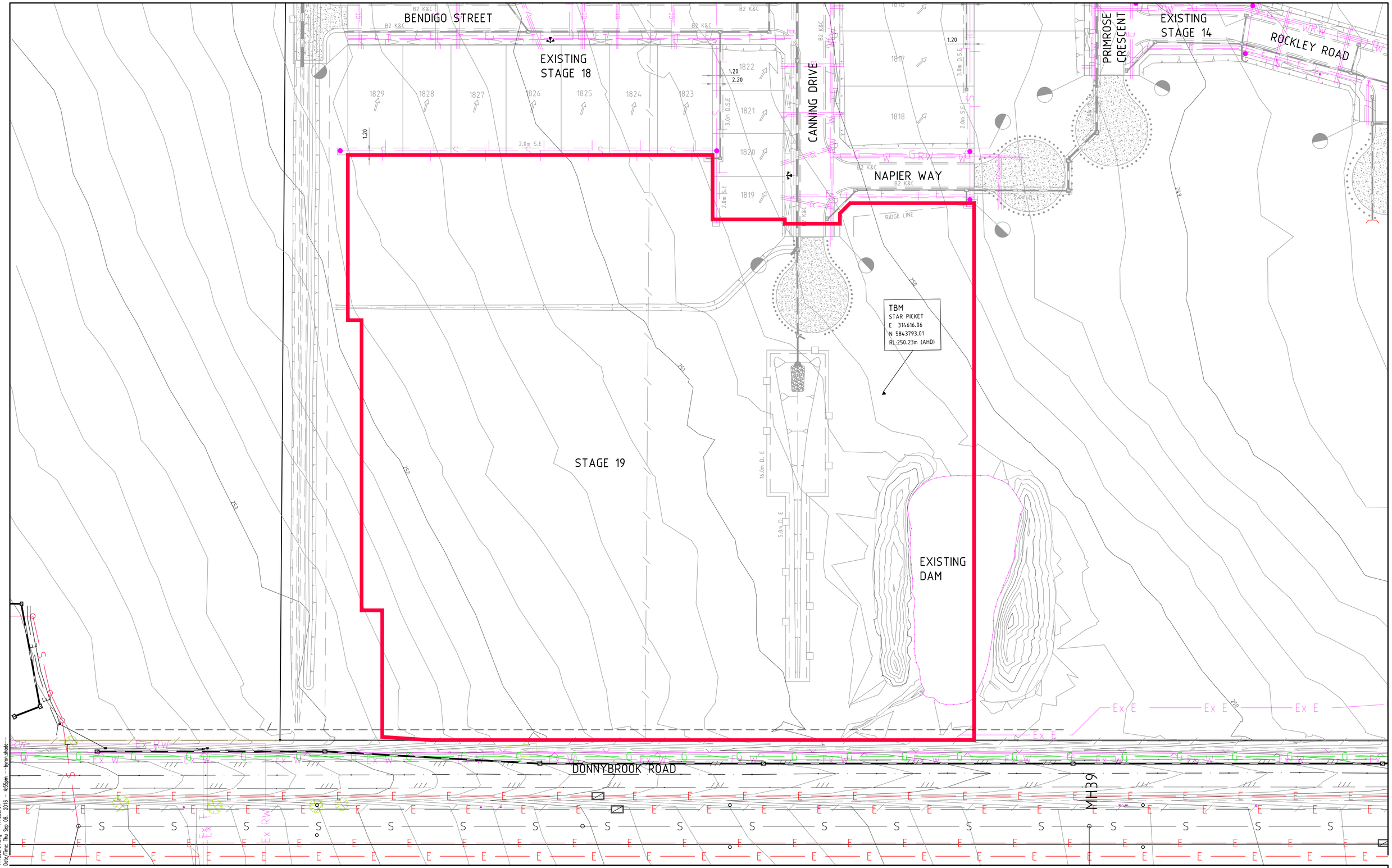

REV	AMENDMENTS	DATE	APP'D.
1	AS CONSTRUCTED	08/09/16	TL
0	CONSTRUCTION ISSUE	03/02/16	TL

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Drawn M.CAPALDO
Date 04/09/15
AN 1451046
Designed N.MIRATANA
Date 24/06/15
AN 1541367
Verified B.GORDON
Date 14/09/15
AN 162538
Audited T.OBOUHOFF
Date 31/01/16
AN 912893
Approved T.LIAKOPOULOS
Date 03/02/16
AN 885216

AS CONSTRUCTED

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
- SW DRAIN & PIT CONSTRUCTED IN PREVIOUS 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 19
EXISTING FEATURES

Drawing No. 11739EF01 Rev 1

Sheet No. 24 AS CONSTRUCTED

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