

MERRIFIELD DEVELOPMENT
STAGE 3
DONNYBROOK ROAD, KALKALLO
HUME CITY COUNCIL

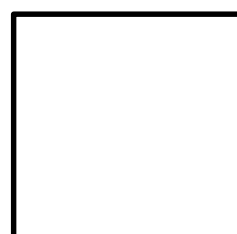
FOR



CIVIL DRAWINGS
ROAD AND DRAINAGE

AS CONSTRUCTED

Drawing File: G:\Design\11700\11723-MERRIFIELD - Predict 1 - Stage 3\Acad\11723\11723R01.dwg - 11723R01
Date/Time: Wed Sep 24, 2014 - 12:15pm --mitchellr--



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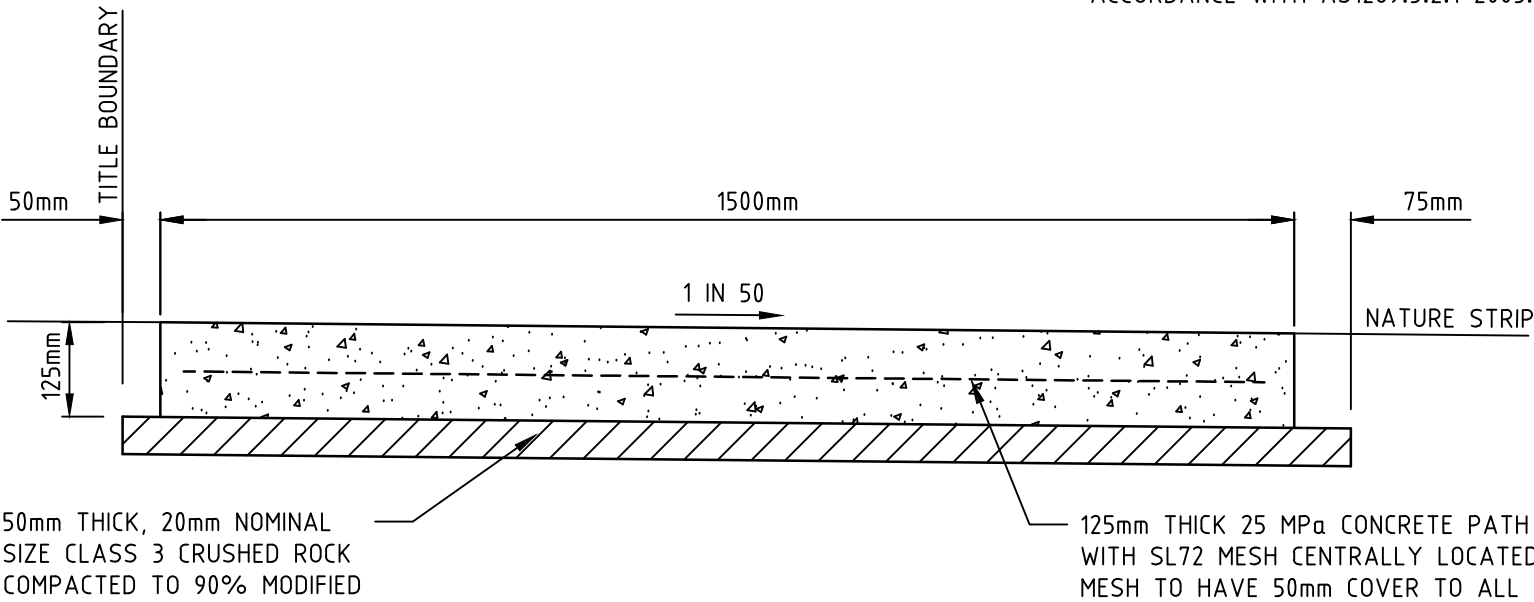


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11723TD01.dwg - 11723TD01
Date/Time: Wed Sep 24, 2014 - 12:15pm -michaelcreek--

GENERAL NOTES

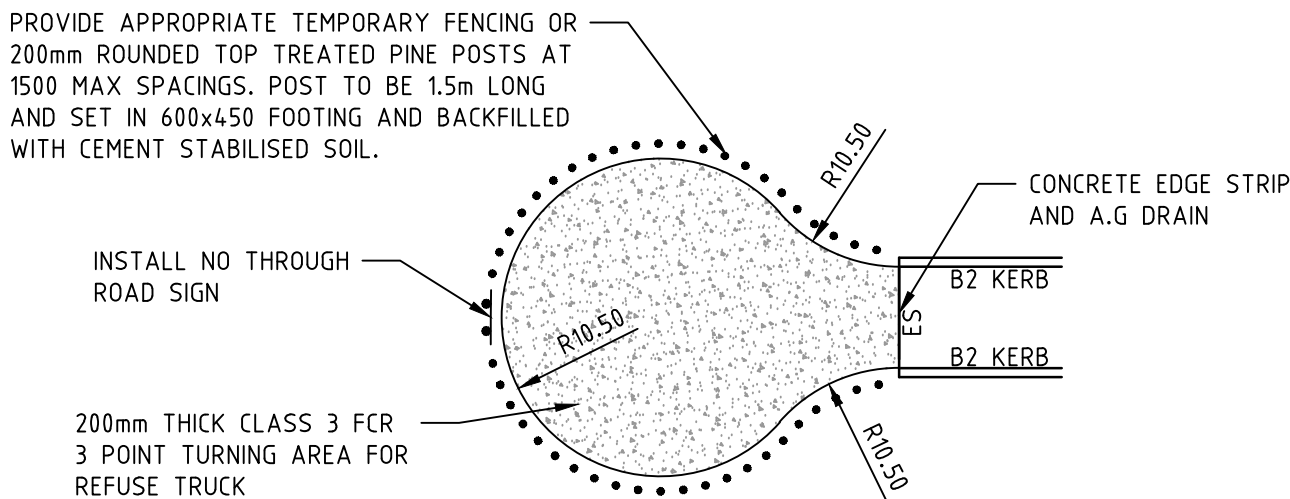
- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH AS4000 AMENDED GENERAL CONDITIONS OF CONTRACT, HUME CITY COUNCIL STANDARD DRAWINGS, SPECIFICATIONS, AND TO THE SATISFACTION OF THE CONTRACTOR MUST ARRANGE THE REQUISITE INSPECTIONS OF THE WORKS WITH THE SUPERINTENDENT AND/OR THE COUNCIL ENGINEER OR HIS REPRESENTATIVE AS PER THE HOLD POINTS IN THE HUME CITY COUNCIL SPECIFICATIONS.
- PAVEMENT DEPTH SPECIFIED IS A MINIMUM DEPTH AND MAY BE VARIED BY THE SUPERINTENDENT AND/OR THE COUNCIL ENGINEER OR HIS 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.
- 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 SUPERINTENDENT AND/OR THE COUNCIL ENGINEER OR HIS REPRESENTATIVE
- 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.
- 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.
- 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.
- THE CONTRACTOR IS TO OBTAIN A BUILDING PERMIT FOR ANY STRUCTURE/FENCES AND FOR ANY RETAINING WALLS OVER 1.0M IN HEIGHT
- 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.
- 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.
- ALL TREES AND SHRUBS ARE TO BE RETAINED UNLESS OTHERWISE SHOWN OR DIRECTED BY THE SUPERINTENDENT AND/OR THE COUNCIL ENGINEER OR HIS REPRESENTATIVE.
- 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 SUPERINTENDENT AND/OR THE COUNCIL ENGINEER OR HIS REPRESENTATIVE.
- ALL DISTURBED AREAS, ie, NATURESTRIPS, BATTERS, ALLOTMENTS AND RESERVES, ARE TO BE REINSTATED TO A CLEAN, TIDY CONDITION, TOP DRESS (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
- ALL BLOCKS ARE TO SURFACE GRADE WITH A MINIMUM FALL OF 1 IN 150 ALONG THE LOW SIDE BOUNDARY TO THE POINT OF DISCHARGE.
- ALL BATTERS SHALL BE 1 IN 6, UNLESS OTHERWISE SHOWN.
- 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.
- 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.
- LIP OF ALL KERB RADII ARE 8.60m UNLESS OTHERWISE SHOWN.
- ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM AND ALL COORDINATES ARE TO MAP GRID OF AUSTRALIA (MGA).
- THE CONTRACTOR MUST ARRANGE THE REQUISITE INSPECTIONS OF THE WORKS WITH THE SUPERINTENDENT AND/OR THE COUNCIL ENGINEER OR HIS REPRESENTATIVE AS PER THE HOLD POINTS IN THE HUME CITY COUNCIL SPECIFICATIONS
- COUNCIL TO BE NOTIFIED SEVEN (7) CLEAR DAYS PRIOR TO THE COMMENCEMENT OF WORKS WITH A PRECOMMENCEMENT MEETING BEING HELD BETWEEN HUME CITY COUNCIL, THE CONSULTANT AND CONTRACTOR BEFORE WORKS COMMENCE. A SITE MANAGEMENT PLAN IS TO BE SUBMITTED PRIOR TO COMMENCEMENT OF WORKS AND PRIOR TO AN ONSITE PRECOMMENCEMENT MEETING.
- 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.
- PRIOR TO ALL COMMENCEMENT OF WORKS ON SITE, THE CONTRACTOR MUST ENSURE THAT ALL MATTERS RELATING TO THE OCCUPATIONAL HEALTH AND SAFETY ACT 1985, HAVE BEEN AND WILL BE COMPLIED WITH.
- 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
- 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.
- 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.
- THE CONTRACTOR IS REQUIRED TO CONFINE CONSTRUCTION VEHICLES TO THE ROAD RESERVE AND EASEMENTS. ANY DAMAGE CAUSED TO ALLOTMENTS MUST BE MADE GOOD.
- 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.
- 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.
- FILLING TO COMPLY WITH AS3798-1996 APPENDIX B LEVEL 1 AS SPECIFIED.
- THE DISPOSAL SITE FOR SPOIL REMOVAL FROM SITE AND TRUCK ROUTE IS TO BE SUBMITTED TO AND APPROVED BY THE THE CONTRACTOR MUST ARRANGE THE REQUISITE INSPECTIONS OF THE WORKS WITH THE SUPERINTENDENT AND/OR THE COUNCIL ENGINEER OR HIS REPRESENTATIVE AS PER THE HOLD POINTS IN THE HUME CITY COUNCIL SPECIFICATIONS IN WRITING PRIOR TO THE COMMENCEMENT OF ANY WORKS
- 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 SUPERINTENDENT AND/OR THE COUNCIL ENGINEER OR HIS REPRESENTATIVE.
- 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
- FOOTPATHS TO BE OFFSET 50mm FROM THE TITLE BOUNDARIES UNLESS NOTED OTHERWISE. VEHICLE CROSSING ALIGNMENTS ARE GENERALLY TO BE PARALLEL TO THE SIDE BOUNDARY
- ALL NEW CONCRETE WORKS SHALL BE JOINED INTO ABUTTING EXISTING CONCRETE WITH 4.50M LONG Y20 DOWEL BARS @ 600 CENTERS, UNLESS OTHERWISE SPECIFIED
- 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.
- 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.



TYPICAL SECTION FOOTPATH

SCALE 1:20
REFER TO G.A.A. STANDARD DRAWING FIG.006

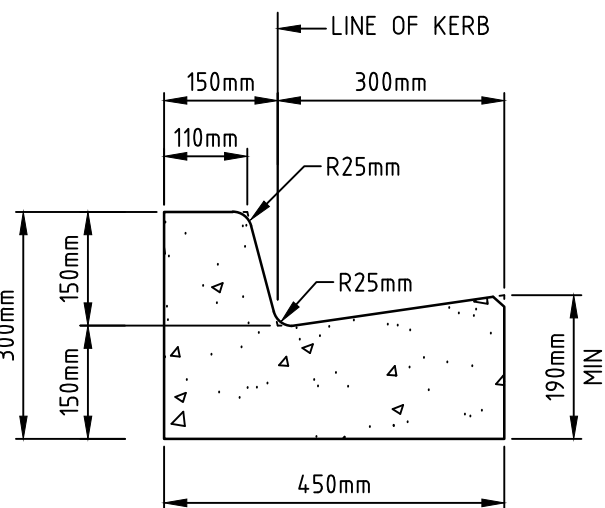
- PROVIDE LAYBACKS IN KERB TO ALL PRAM CROSSINGS IN ACCORDANCE WITH COUNCIL STANDARDS.
ASPHALT FILLETS/RAMPS ARE TO BE PROVIDED ON THE BASE COURSE ASPHALT TO REMOVE TRIPS AT ALL PEDESTRIAN CROSSING LOCATIONS.
- ALL LINE MARKING AND SIGNAGE TO BE INSTALLED IN ACCORDANCE WITH AS1742-1 AND AS1742-2, UNLESS SPECIFICALLY SHOWN OTHERWISE. ALL LINEMARKING PAINT SHALL BE LONG LIFE TYPE IN ACCORDANCE WITH SECTIONS 95C OF THE HUME CITY COUNCIL SPECIFICATIONS. LATERAL WORKS AND ARROWS BEING COLD APPLIED PLASTIC TROWELED INTO PLACE(MATERIAL DEGADUR PLASTELINE) AND LONGITUDINAL LINES BEING EXTRUDED THERMOPLASTIC MATERIAL. STREET SIGNS ARE REQUIRED TO SHOW STREET NUMBERS APPLICABLE TO EACH BLOCK AND IN ACCORDANCE TO SD408
ALL TEMPORARY WARNING SIGNS USED DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH AS 1742-3.
- ALL SIGNS TO BE CLASS 1 HIGH INTENSITY TYPE AND COMPLY WITH THE REQUIREMENTS OF AS1743-2001.
- 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
- ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
- ALL EASEMENTS ARE 2.0m OR 3.0m WIDE DRAINAGE AND SEWERAGE EASEMENTS UNLESS OTHERWISE SHOWN.
- CENTRELINES OF ALL SEWERS ARE OFFSET 1.2m OR 2.2m FROM THE PROPERTY LINE UNLESS OTHERWISE SHOWN.
- CENTRELINES OF ALL EASEMENT DRAINS ARE OFFSET 1.0m OR 2.2m FROM THE PROPERTY LINE UNLESS OTHERWISE SHOWN.
- ALL STORMWATER DRAINS ARE TO BE CLASS '2' RC OR RIGID FRC PIPES WITH ADCOL FLEXIBLE COLLAR UNLESS OTHERWISE SHOWN. ALL RC PIPES UP TO AND INCLUDING 750mm IN DIAMETER SHALL BE RUBBER RING JOINTED (RRJ). PIPES ABOVE THIS SIZE MAY BE FLUSH JOINTED WITH EXTERNAL SEALING BANDS. FRC PIPES CAN ONLY BE USED ON EASEMENTS.
- WHERE NEW ASPHALT, CONCRETE K & C, PATHS AND DRIVEWAYS MATCH INTO EXISTING, THE EXISTING SURFACE IS TO BE SAW CUT AND MATCHED NEATLY.
- ALL REDUNDANT ASSETS ARE TO BE REMOVED AND DISPOSED OFF SITE
- 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.
- ALL SIDE ENTRY PITS EXCEPT THOSE AT LOW POINTS ARE TO HAVE FLUTES AS SPECIFIED IN THE COUNCIL STANDARD DRAWINGS.
- 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 STANDARD COMPACTION TEST IN ACCORDANCE WITH AS 1289.5.2.1-2003.
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.
- AGRICULTURAL DRAINS ARE TO BE PLACED BEHIND ALL KERB AND CHANNEL, KERB ONLY AND EDGE STRIPS IN ACCORDANCE WITH COUNCIL STANDARD DRAWINGS
- 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 WITH THE SUPERINTENDENT AND/OR THE COUNCIL ENGINEER OR HIS REPRESENTATIVE AS PER THE HOLD POINTS IN THE HUME CITY COUNCIL SPECIFICATIONS
- 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
- 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.
- 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.
- 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
- ELECTRICITY CONDUITS ARE TO BE LAID WITH THE FOLLOWING MINIMUM COVER TO FINISHED SURFACE LEVELS :
UNDER ROADS - 0.90m
ELSEWHERE - 0.60m
- TACTILE GROUND SURFACE INDICATORS (TGSIS) TO BE INSTALLED. TGSIS ARE TO COMPLY WITH AS1428.4.



TEMPORARY TURNING AREA DETAIL

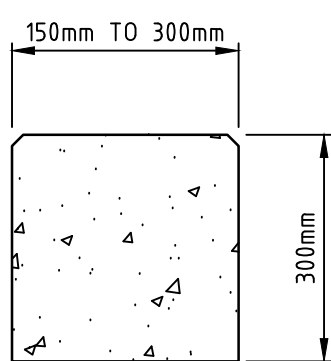
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DRAWING INDEX		
SHEET NO.	DRAWING NO.	DESCRIPTION
01	11723TD01	LOCALITY PLAN, INDEX AND DETAILS
02	11723SP01	STAGING PLAN
03	11723DP01	DETAIL PLAN
04	11723OP01	SETOUT DETAILS
05	11723D01	INTERSECTION DETAILS
06	11723LS01	LONGITUDINAL SECTIONS
07-10	11723XS01-04	CROSS SECTIONS - SHEETS 1 TO 4
11-13	11723DR01-03	DRAINAGE LONGITUDINAL SECTIONS - SHEETS 1 TO 3
14	11723FP01	FILL PLAN
15	11723POS01	PLAN OF SUBDIVISION
16	11723EF01	EXISTING FEATURES PLAN



B2 KERB & CHANNEL

(450mm CHANNEL)
SCALE 1:10



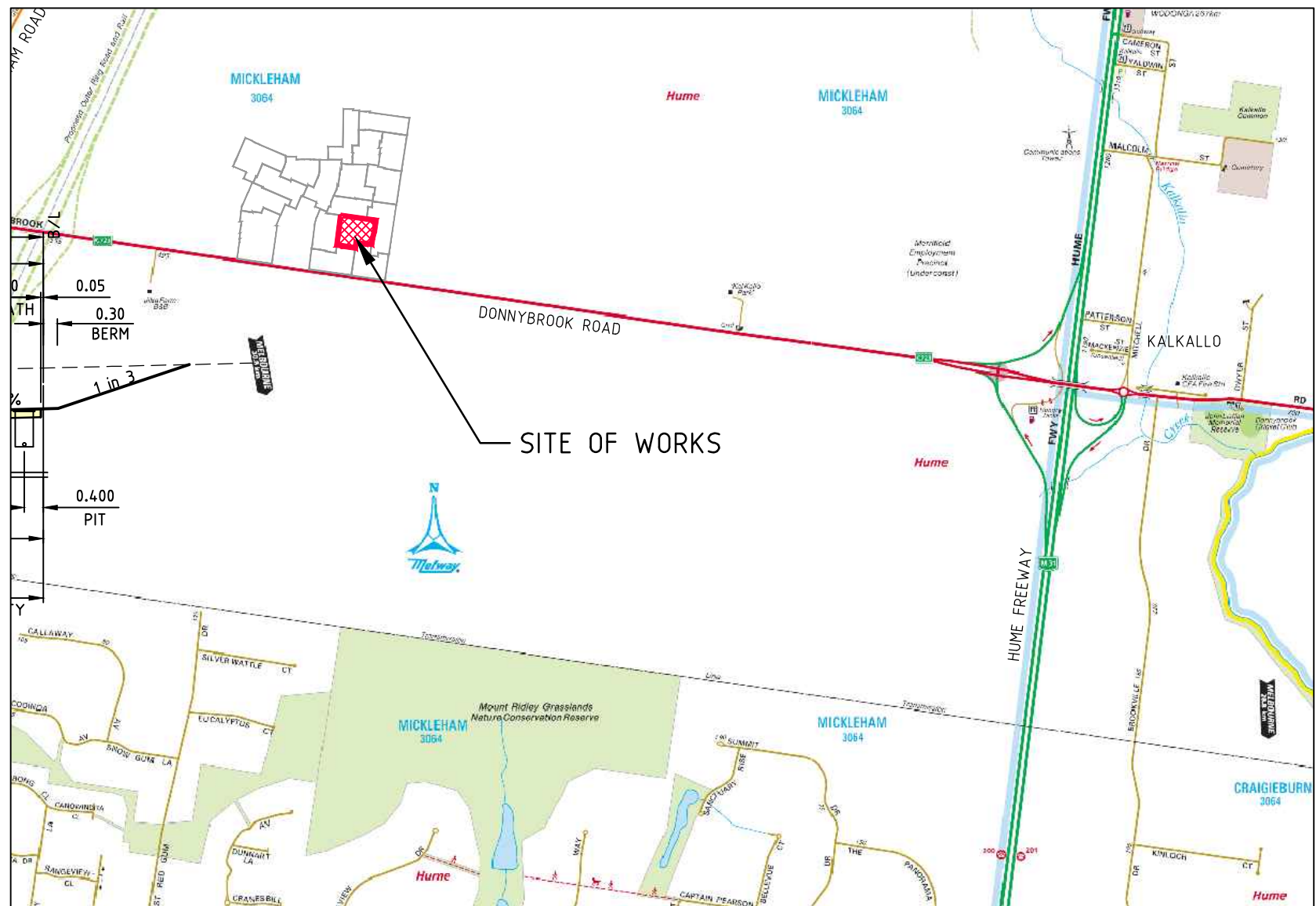
EDGE STRIP

SCALE 1:10
REFER TO G.A.A. STANDARD DRAWING FIG.008

PAVEMENT DETAILS

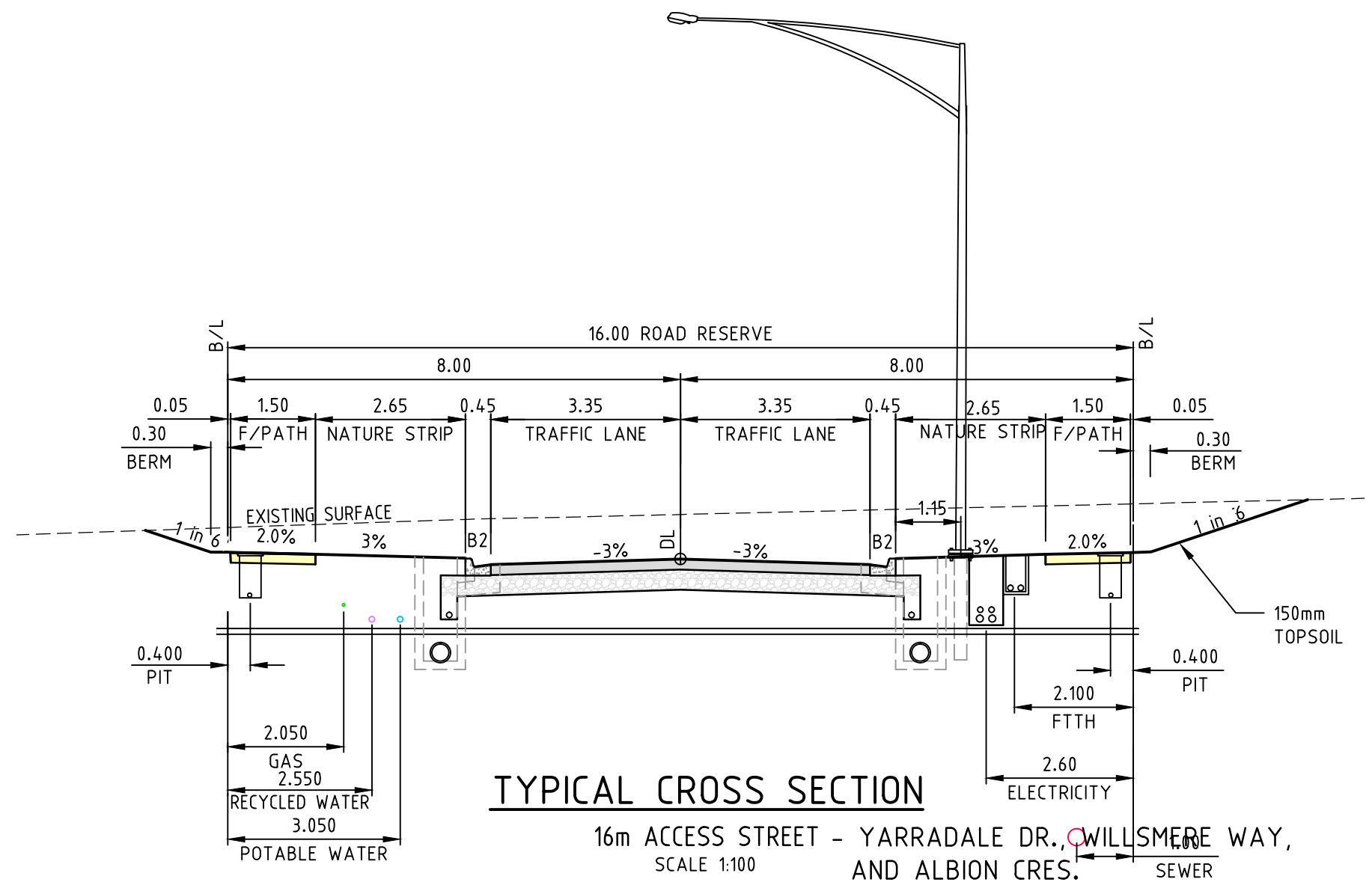
ACCESS STREETS ALL ROADS	
ASPHALT	WEARING COURSE 30mm SIZE 10mm TYPE N ASPAHLT BASE COURSE 30MM SIZE 10MM TYPE N ASPAHLT BITUMINOUS PRIME PRIME OR SIZE 5 OR SIZE 7 BITUMEN EMULSION PRIMERSEAL (NOT EXCEEDING 60% BITUMEN CONTENT) AT >0.9 L/m²
LAYER A	BASE COURSE 130mm SIZE 20mm CLASS 2 CRUSHED ROCK UPPER 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	560mm
SUBGRADE	SUBGRADE CBR ≥ 2%

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



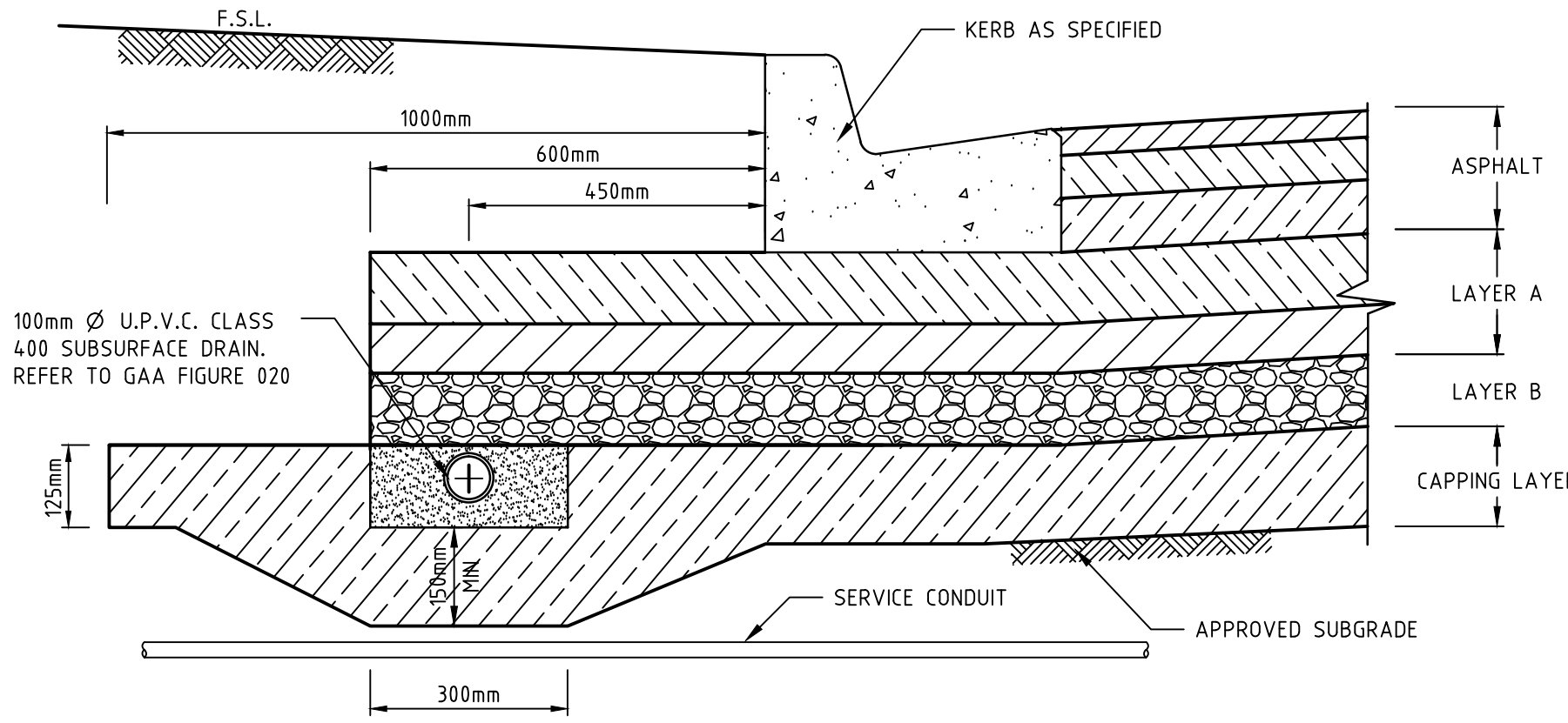
LOCALITY PLAN

MELWAY REF MAP: 366 D3, E4
NTS



TYPICAL CROSS SECTION

16m ACCESS STREET - YARRADALE DR., WILLSMERE WAY,
AND ALBION CRES.
SCALE 1:100

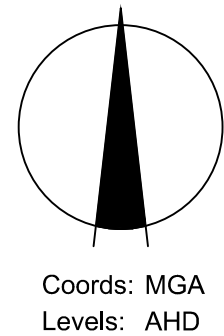


TYPICAL PAVEMENT DETAIL

SCALE 1:10

REV	AMENDMENTS	DATE	APP'D.
1	AS CONSTRUCTED	24/09/14	TL
0	CONSTRUCTION ISSUE	26/03/14	TL

Drawn HT Date 04/02/2013
Designed LT Date 04/02/2013
AN 431087
Verified SL Date 11/10/13
AN 1061177
Audited RCM Date 12/03/14
AN 641851
Approved TL Date 26/03/14
AN 882647
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.



Scale @ A1/A3 AS SHOWN

merrifield
MAB gpc

MERRIFIELD DEVELOPMENT
STAGE 3
DONNYBROOK ROAD, MICKLEHAM
LOCALITY PLAN, INDEX AND DETAILS

Drawing No. 11723TD01 Rev 1

Sheet No. 01 AS CONSTRUCTED

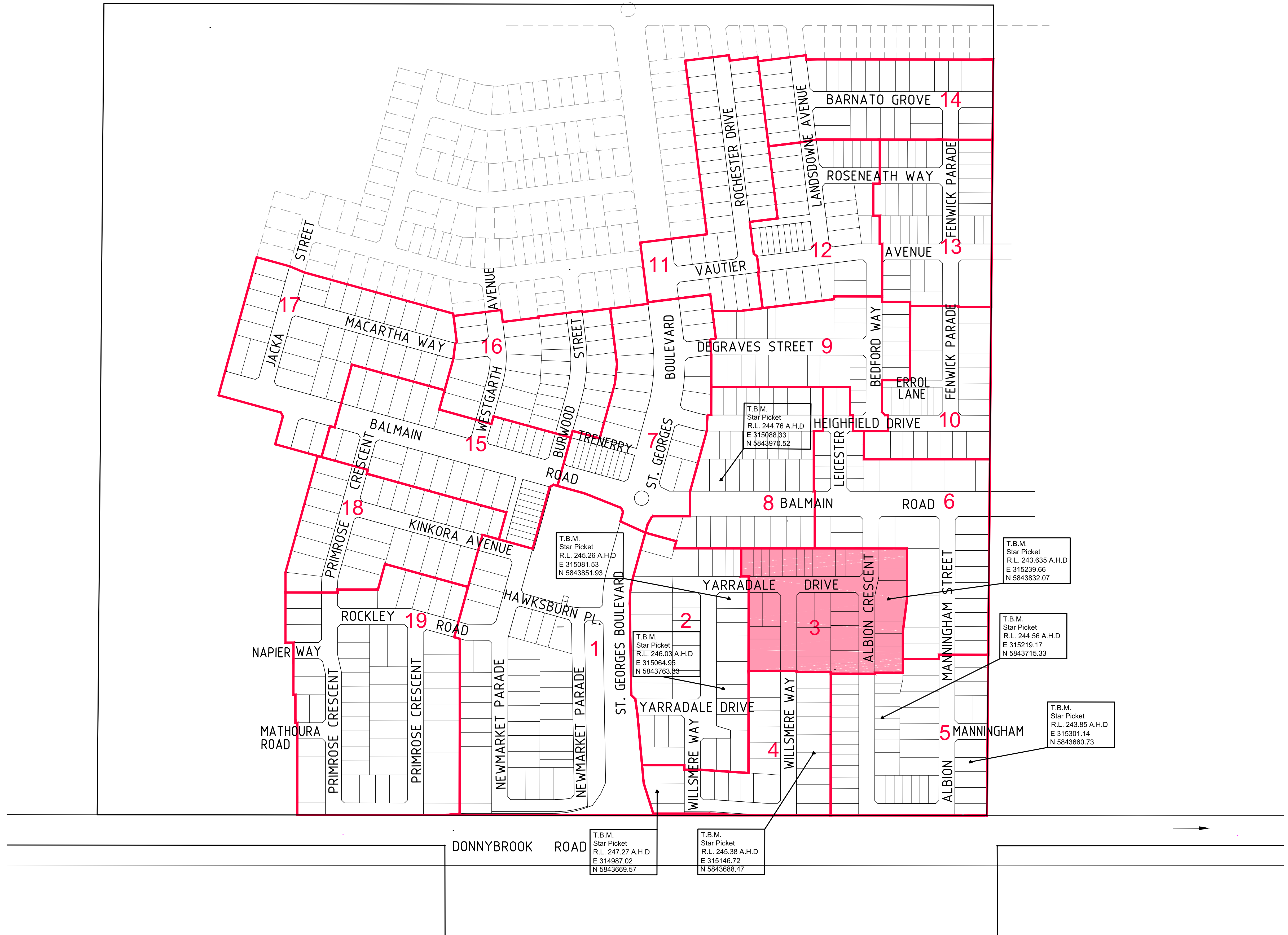
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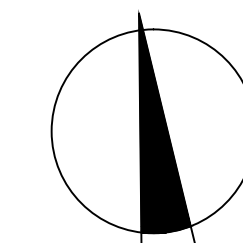
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Drawing File: C:\Users\merrifield\11723-MERRIFIELD - Project 1 - Stage 3\Acad\11723SP01.dwg - 11723SP01
Date/Time: Wed Sep 24, 2014 - 12:15pm --michael.cook--



1	AS CONSTRUCTED	24/09/14	TL
0	CONSTRUCTION ISSUE	26/03/14	TL
REV	AMENDMENTS	DATE	APP'D.

Drawn HT Date 04/02/2013
Designed LT
Date 04/02/2013
AN 431316
Verified SL
Date 11/10/13
AN 1061178
Audited RCM
Date 12/03/14
AN 641852
Approved TL
Date 26/03/14
AN 882648
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.

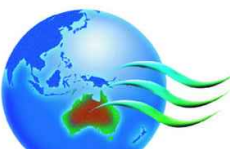


Coords: MGA
Levels: AHD
Hor 1:2000 0m 20m 40m 80m 120m
Scale @ A1/A3 1:2000/1:4000

merrifield
MAB gpc

MERRIFIELD DEVELOPMENT
STAGE 3
DONNYBROOK ROAD, MICKLEHAM
STAGING PLAN

Drawing No. 11723SP01 Rev 1
Sheet No. 02 AS CONSTRUCTED
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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.

NOTE: ALL EXISTING SERVICES UNDER NEW PAVEMENT TO BE BACKFILLED WITH FCR

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	GAS		WATER (DW)		WATER (NDW)		TELECOM		ELECTRICITY	
	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET
YARRDALE DRIVE	N	2.05	N	3.05	N	2.55	S	1.775	S	2.60
WILLSMERE WAY	W	2.05	W	3.05	W	2.55	E	1.775	E	2.60
ALBION CRESCENT	E	2.05	E	3.05	E	2.55	W	1.775	W	2.60



1	AS CONSTRUCTED	24/09/14	TL
0	CONSTRUCTION ISSUE	26/03/14	TPD.
REV	AMENDMENTS	DATE	APP'D.

Drawn HT Date 04/02/2013
Designed LT Date 04/02/2013
AN 431319
Verified SL Date 11/10/13
AN 1061179
Audited RCM Date 12/03/14
AN 641853
Approved TL Date 26/03/14
AN 882649
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
 - Ex H EXISTING HOUSE DRAIN
 - Ex GC EXISTING GAS CONDUIT
 - Ex WCD EXISTING WATER CONDUIT
 - Ex RWC EXISTING RECYCLED WATER CONDUIT
 - Ex PSM EXISTING PERMANENT SURVEY MARK
 - Ex TBM EXISTING TEMPORARY BENCH MARK
 - Ex WCD EXISTING WATER CONDUIT
 - Ex RWC EXISTING RECYCLED WATER CONDUIT
 - Ex PSM EXISTING PERMANENT SURVEY MARK
 - Ex TBM EXISTING TEMPORARY BENCH MARK

- W WATER
- RW RECYCLED WATER
- T TELECOMMUNICATIONS
- E ELECTRICITY
- G GAS
- SS STREET NAME SIGN
- LG LOT GRADE
- AP ASPHALT PAVEMENT
- CP CONC FOOTPATH / DRIVEWAY
- LA LANDSCAPING
- LI LIMIT OF WORKS
- FD FILL DEEPER THAN 200mm

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



MERRIFIELD DEVELOPMENT
STAGE 3
DONNYBROOK ROAD, MICKLEHAM
DETAIL PLAN

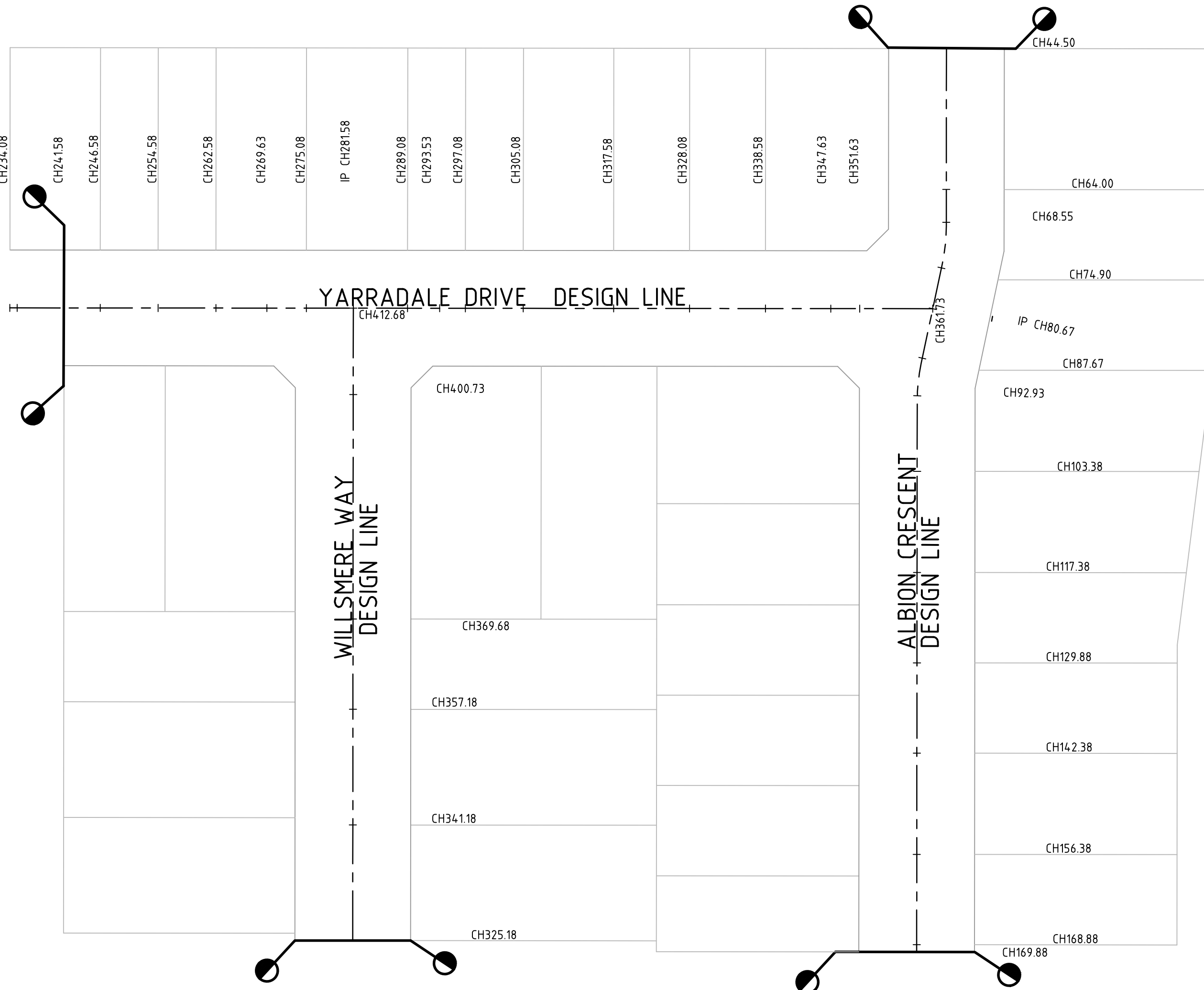
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Drawing File: C:\Desig\merrifield\11723\11723S0P01.dwg -- Project 1 -- Stage 3\Acad\11723S0P01.dwg -- 11723S0P01
Date/Time: Wed Sep 24, 2014 -- 12:15pm --michael.cook--



HORIZONTAL ALIGNMENT REPORT FOR YARRADALE DRIVE DESIGN LINE

POINT TYPE	CHAINAGE	COORDINATES		RL	BEARING DEG MIN SEC	RADIUS
		EASTING	NORTHING			
STRAIGHT	135.000	315054.353	5843797.280	245.821	7°03'10.00"	
STRAIGHT	150.000	315056.194	5843812.166	245.708	7°03'10.00"	
STRAIGHT	165.000	315058.036	5843827.053	245.595	7°03'10.00"	
STRAIGHT	180.000	315059.878	5843841.939	245.482	7°03'10.00"	
TANGENT-CURVE	194.761	315061.690	5843856.589	245.371	7°03'10.00"	11.950
CURVE	195.000	315061.722	5843856.825	245.369	8°11'51.66"	11.950
CURVE	198.000	315062.516	5843859.710	245.347	22°34'53.62"	11.950
CURVE	201.000	315064.002	5843862.307	245.324	36°57'55.58"	11.950
CURVE	204.000	315066.086	5843864.454	245.302	51°20'57.54"	11.950
CURVE	207.000	315068.639	5843866.016	245.277	65°43'59.50"	11.950
CURVE	210.000	315071.499	5843866.894	245.250	80°07'01.46"	11.950
CURVE	213.000	315074.488	5843867.035	245.220	94°30'03.42"	11.950
CURVE-TANGENT	213.532	315075.017	5843866.981	245.214	97°03'10.00"	11.950
INTERSECTION POINT	213.532	315075.017	5843866.981	245.214	97°03'10.00"	
STRAIGHT	225.000	315086.398	5843865.573	245.075	97°03'10.00"	
INTERSECTION POINT	237.582	315098.885	5843864.028	244.909	97°03'10.00"	
STRAIGHT	240.000	315101.285	5843863.731	244.877	97°03'10.00"	
STRAIGHT	255.000	315116.171	5843861.890	244.678	97°03'10.00"	
STRAIGHT	270.000	315131.058	5843860.048	244.479	97°03'10.00"	
STRAIGHT	285.000	315145.944	5843858.206	244.305	97°03'10.00"	
STRAIGHT	300.000	315160.831	5843856.364	244.143	97°03'10.00"	
STRAIGHT	315.000	315175.717	5843854.523	243.962	97°03'10.00"	
STRAIGHT	330.000	315190.604	5843852.681	243.651	97°03'10.00"	
STRAIGHT	345.000	315205.490	5843850.839	243.427	97°03'10.00"	
STRAIGHT	360.000	315220.377	5843848.997	243.405	97°03'10.00"	
Intersection Point	361.727	315222.091	5843848.785	243.454	97°03'10.00"	

HORIZONTAL ALIGNMENT REPORT FOR WILLSMERE WAY DESIGN LINE

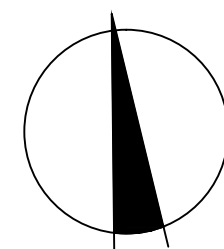
POINT TYPE	CHAINAGE	COORDINATES		RL	BEARING DEG MIN SEC	RADIUS
		EASTING	NORTHING			
STRAIGHT	225.000	315119.509	5843672.370	245.635	7°03'10.00"	
STRAIGHT	240.000	315121.351	5843687.256	245.485	7°03'10.00"	
STRAIGHT	255.000	315123.192	5843702.143	245.352	7°03'10.00"	
STRAIGHT	270.000	315125.034	5843717.029	245.277	7°03'10.00"	
STRAIGHT	285.000	315126.876	5843731.916	245.202	7°03'10.00"	
STRAIGHT	300.000	315128.718	5843746.802	245.112	7°03'10.00"	
STRAIGHT	315.000	315130.559	5843761.689	244.983	7°03'10.00"	
INTERSECTION POINT	325.176	315131.809	5843771.788	244.895	7°03'10.00"	
STRAIGHT	330.000	315132.401	5843776.575	244.854	7°03'10.00"	
STRAIGHT	345.000	315134.243	5843791.462	244.724	7°03'10.00"	
STRAIGHT	360.000	315136.085	5843806.348	244.595	7°03'10.00"	
STRAIGHT	375.000	315137.926	5843821.235	244.465	7°03'10.00"	
STRAIGHT	390.000	315139.768	5843836.121	244.338	7°03'10.00"	
STRAIGHT	405.000	315141.610	5843851.008	244.263	7°03'10.00"	
INTERSECTION POINT	412.676	315142.552	5843858.626	244.342	7°03'10.00"	

HORIZONTAL ALIGNMENT FOR ALBION CRESCENT DESIGN LINE

POINT TYPE	CHAINAGE	COORDINATES		RL	BEARING DEG MIN SEC	RADIUS
		EASTING	NORTHING			
INTERSECTION POINT	-0.500	315233.877	5843928.945	243.188	187°03'10.00"	
STRAIGHT	0.000	315233.816	5843928.448	243.173	187°03'10.00"	
STRAIGHT	15.000	315231.974	5843913.562	243.095	187°03'10.00"	
STRAIGHT	30.000	315230.132	5843898.675	243.172	187°03'10.00"	
INTERSECTION POINT	44.500	315228.352	5843884.285	243.246	187°03'10.00"	
STRAIGHT	45.000	315228.291	5843883.789	243.249	187°03'10.00"	
STRAIGHT	60.000	315226.449	5843868.902	243.326	187°03'10.00"	
INTERSECTION POINT	69.098	315225.332	5843859.873	243.379	187°03'10.00"	
TANGENT-CURVE	69.098	315225.332	5843859.873	243.379	187°03'10.00"	25.000
CURVE	71.250	315224.976	5843857.751	243.393	19°59'04.84"	25.000
CURVE-TANGENT	74.296	315224.164	5843854.817	243.412	198°58'00.01"	25.000
INTERSECTION POINT	74.296	315224.164	5843854.817	243.412	198°58'00.01"	
STRAIGHT	75.000	315223.935	5843854.152	243.417	198°58'00.01"	
INTERSECTION POINT	88.455	315219.562	5843841.427	243.503	198°58'00.01"	
TANGENT-CURVE	88.455	315219.562	5843841.427	243.503	198°58'00.01"	-25.000
CURVE	90.000	315219.105	5843839.952	243.513	195°25'34.46"	-25.000
INTERSECTION POINT	93.654	315218.394	5843836.371	243.537	187°03'10.00"	
STRAIGHT	105.000	315217.001	5843825.111	243.610	187°03'10.00"	
STRAIGHT	120.000	315215.159	5843810.224	243.729	187°03'10.00"	
STRAIGHT	135.000	315213.317	5843795.338	243.879	187°03'10.00"	
STRAIGHT	150.000	315211.475	5843780.451	244.029	187°03'10.00"	
STRAIGHT	165.000	315209.634	5843765.565	244.179	187°03'10.00"	
INTERSECTION POINT	169.880	315209.034	5843760.722	244.227	187°03'10.00"	
STRAIGHT	180.000	315207.792	5843750.678	244.329	187°03'10.00"	
STRAIGHT	195.000	315205.950	5843735.792	244.480	187°03'10.00"	
STRAIGHT	210.000	315204.108	5843720.905	244.636	187°03'10.00"	
STRAIGHT	225.000	315202.267	5843706.019	244.792	187°03'10.00"	
STRAIGHT	240.000	315200.425	5843691.132	244.947	187°03'10.00"	
STRAIGHT	255.000	315198.583	5843676.246	245.103	187°03'10.00"	
STRAIGHT	270.000	315196.741	5843661.359	245.293	187°03'10.00"	
INTERSECTION POINT	271.380	315196.572	5843659.990	245.319	187°03'10.00"	

1	AS CONSTRUCTED	24/09/14	TL
0	CONSTRUCTION ISSUE	26/03/14	TL
REV	AMENDMENTS	DATE	APP'D.

Drawn HT Date 04/02/2013
Designed LT
Date 04/02/2013
AN 431320
Verified sL
Date 11/10/13
AN 1061180
Audited RCM
Date 12/03/14
AN 641854
Approved TL
Date 26/03/14
AN 882650
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.



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

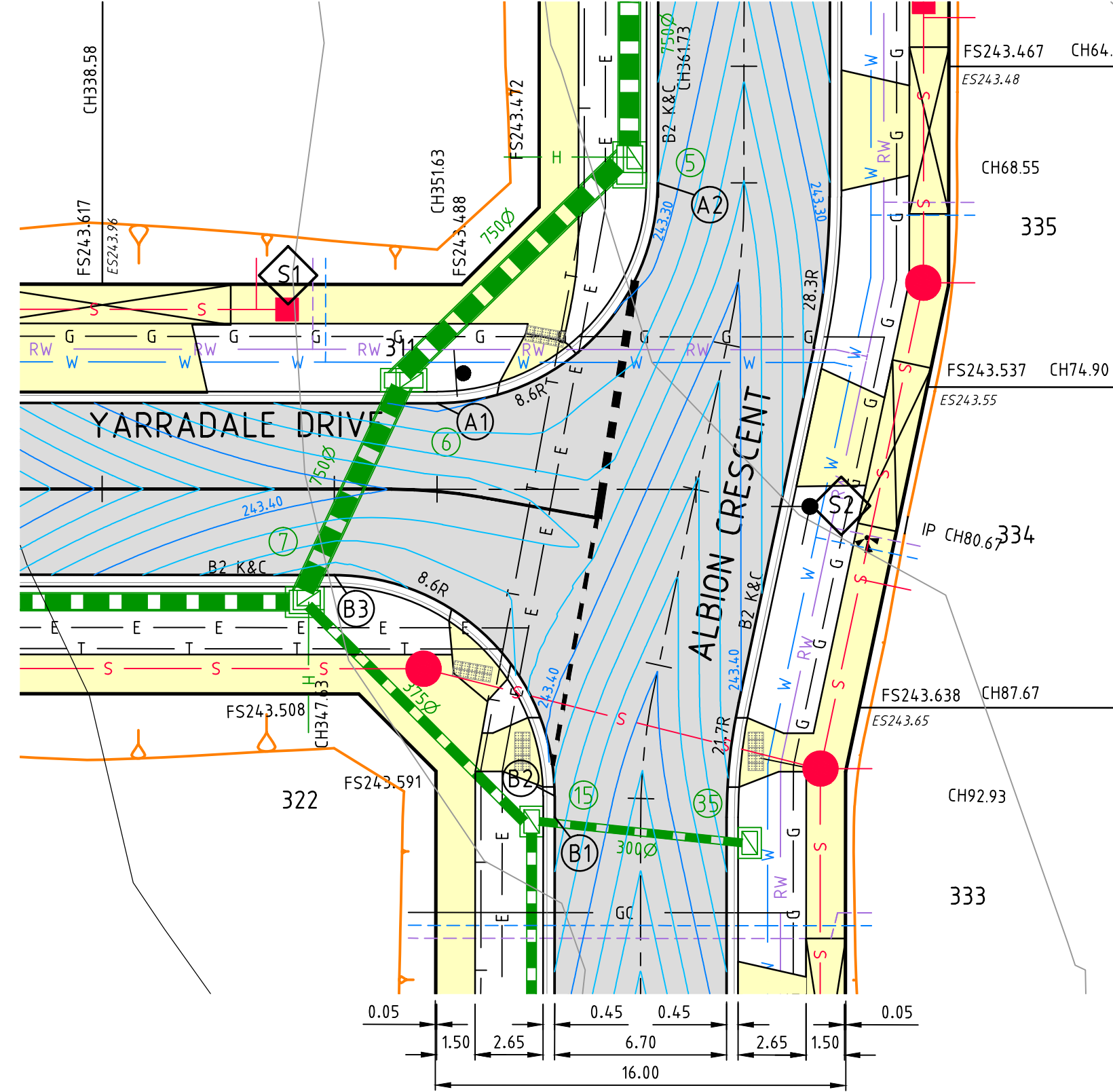


MERRIFIELD DEVELOPMENT STAGE 3 DONNYBROOK ROAD, MICKLEHAM SETOUT DETAILS

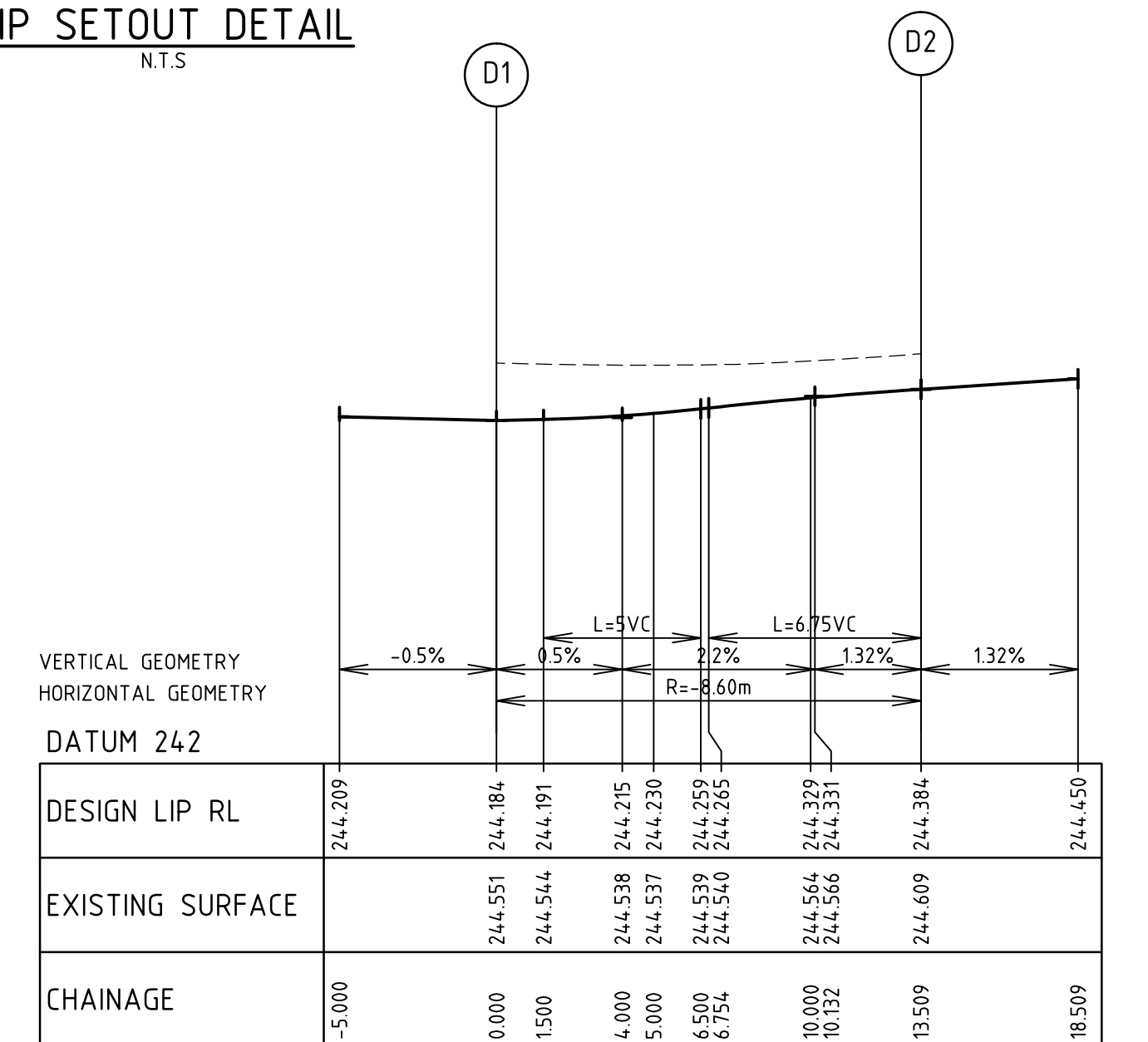
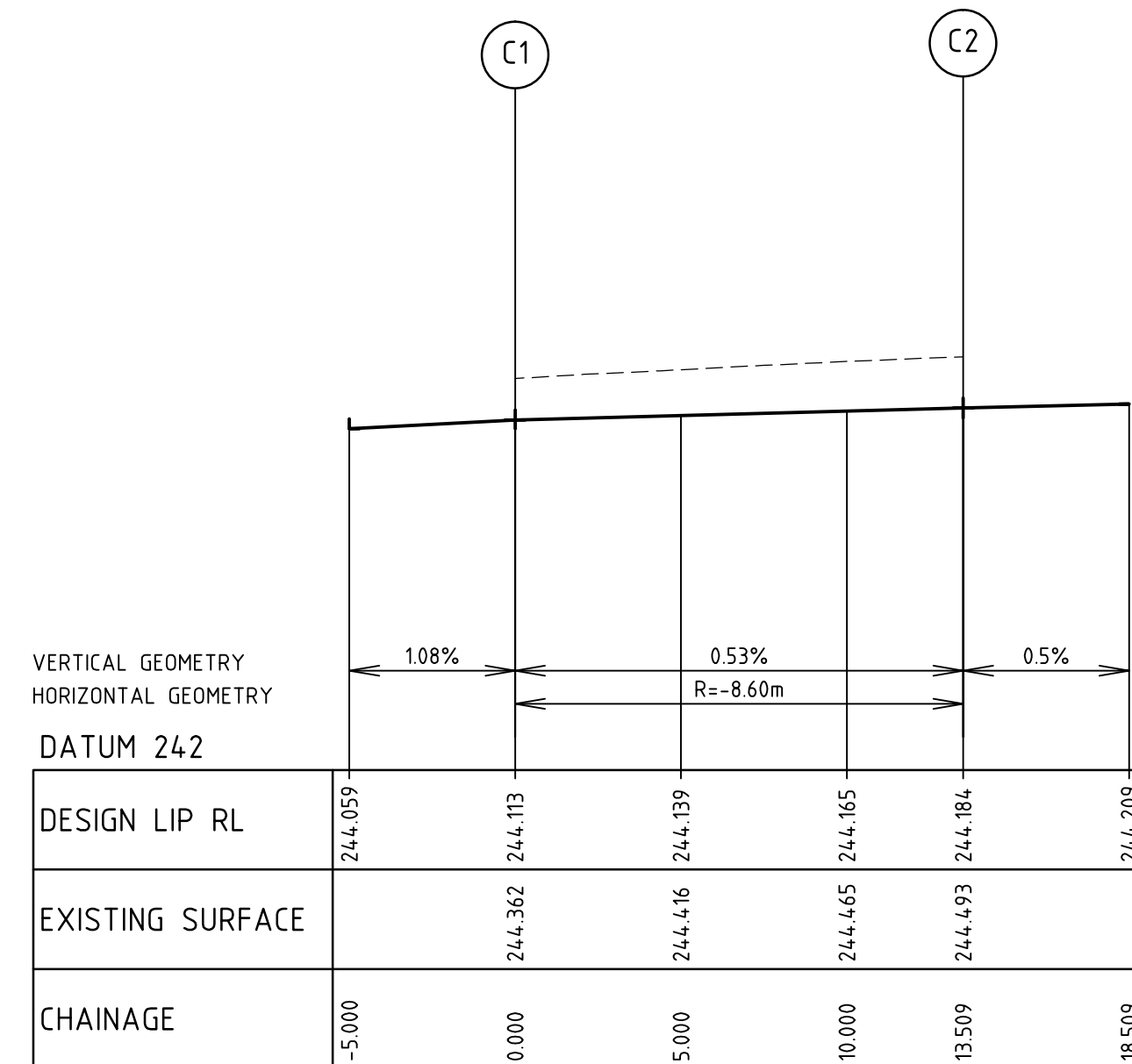
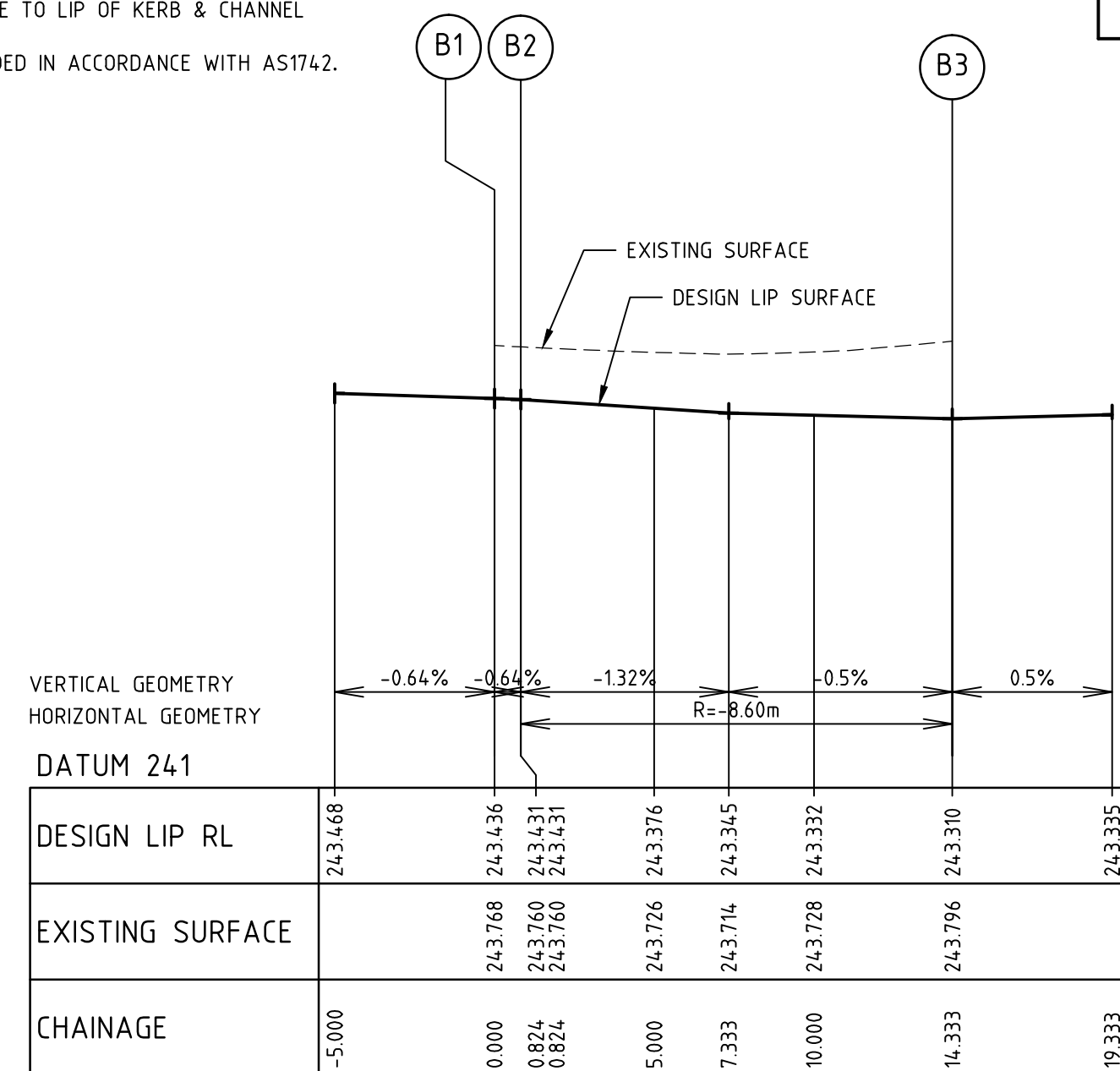
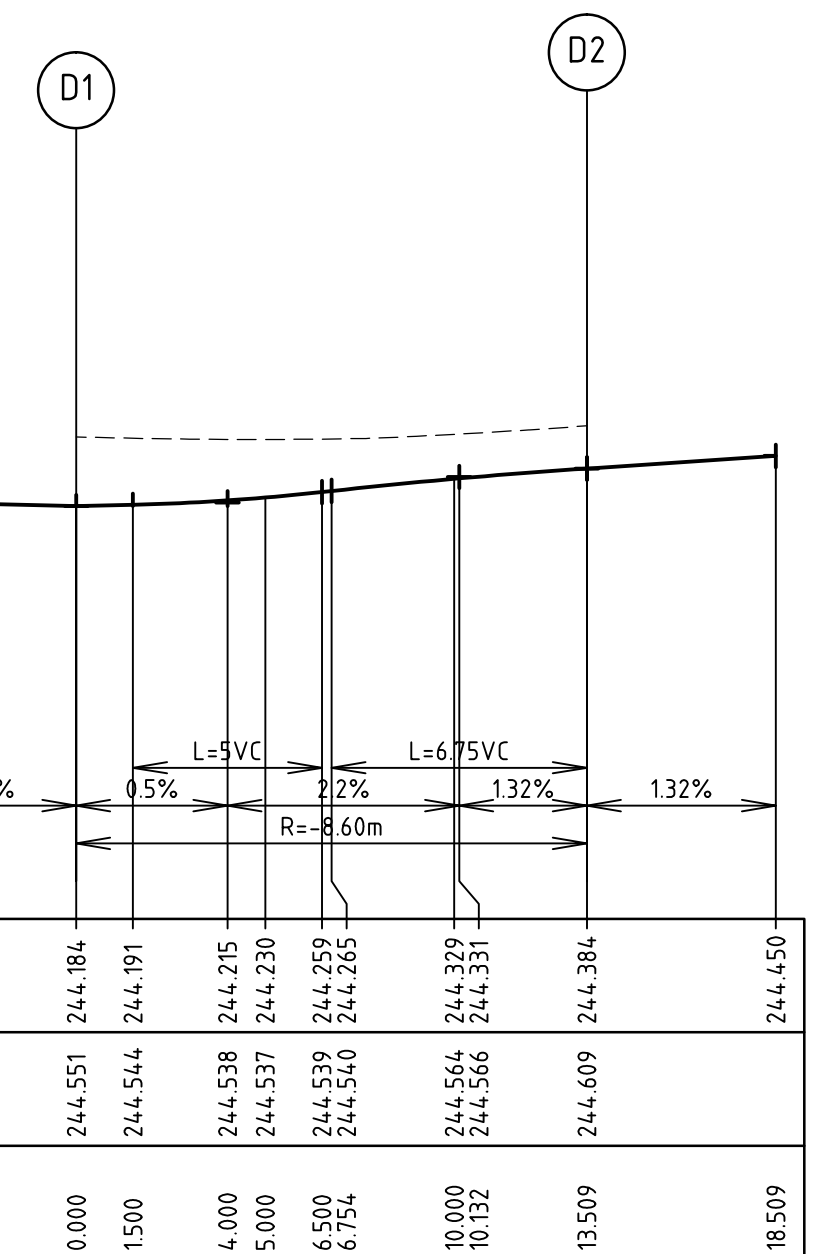
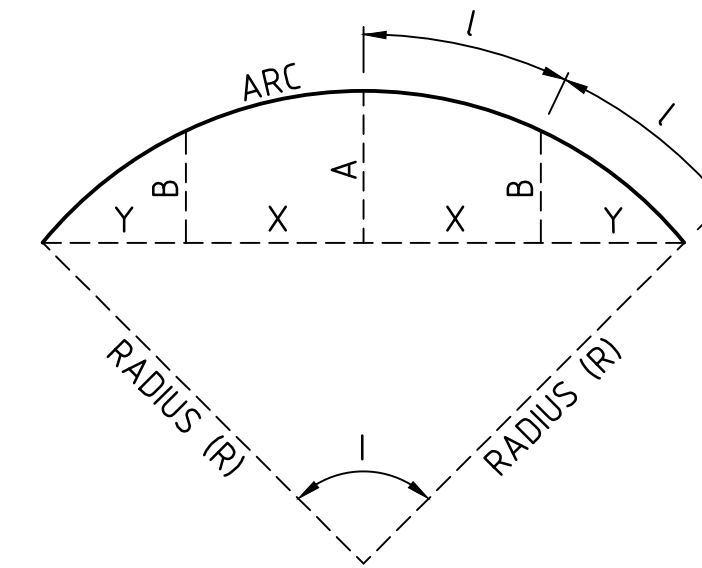
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ALIGNMENT REPORT FOR LIP PROFILE D									
POINT NO	EASTING	NORTHING	RL						
D1	315137.760	5843847.177	244.184						
D2	315130.281	5843856.768	244.384						
CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
D1 - D2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	244.265



VERTICAL GEOMETRY		HORIZONTAL GEOMETRY	
DATUM 241		R=8.60m	
DESIGN LIP RL	243.315	243.315	243.315
EXISTING SURFACE	243.701	243.628	243.581
CHAINAGE	-5.000	5.000	18.509

VERTICAL GEOMETRY		HORIZONTAL GEOMETRY	
DATUM 241		R = 9.60m	
DESIGN LIP RL	243.468	243.436	243.395
EXISTING SURFACE	243.768	243.760	243.776
CHAINAGE	-5.000	0.000	19.333

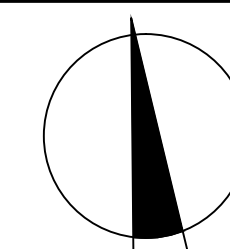
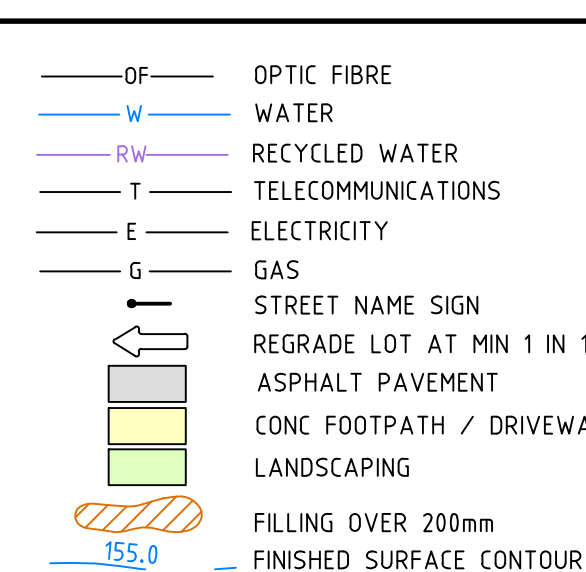
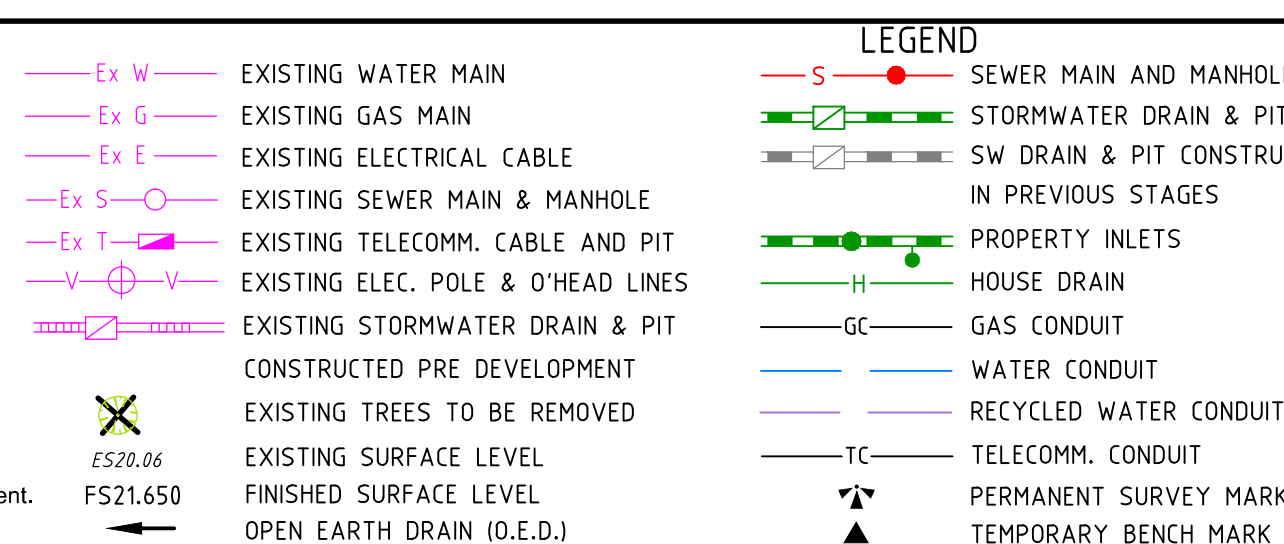
VERTICAL GEOMETRY		108%		0.53%		0.5%	
HORIZONTAL GEOMETRY				R=8.60m			
DATUM 242							
DESIGN LIP RL	244.059	244.113	244.139	244.165	244.184	244.200	
EXISTING SURFACE		244.362	244.416	244.465	244.493	244.508	
CHAINAGE	-5.000	0.000	5.000	10.000	13.509	18.508	

VERTICAL GEOMETRY		-0.5%		0.5%		2.2%		13.2%		13.2%	
HORIZONTAL GEOMETRY		R=8.60m									
DATUM 242											
DESIGN LIP RL	244.209	244.484	244.491	244.715	244.730	244.759	244.765	244.729	244.731	244.784	244.650
EXISTING SURFACE		244.551	244.544	244.538	244.537	244.539	244.540	244.564	244.566	244.609	
CHAINAGE	-5.000	0.000	15.000	4.000	5.000	6.500	7.6754	10.000	10.92	13.500	18.509

LIP PROFILE D

1	AS CONSTRUCTED	24/09/14	TL
0	CONSTRUCTION ISSUE	26/03/14	TL
REV	AMENDMENTS	DATE	APP'D.

Drawn HT	Date 04/02/2013
Designed BG	
Date 04/02/2013	
AN 431321	
Verified SL	
Date 11/10/13	
AN 1061181	
Audited RCM	
Date 12/03/14	
AN 614855	
Approved TL	
Date 26/03/14	
AN 826251	
Written dimensions to take precedence over scale.	
Constructor shall check and verify all dimensions on site.	
Discrepancies to be brought to the attention of the Superintendent.	



Coords: MGA
Levels: AHD

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

merrifield
MAB GOC

MERRIFIELD DEVELOPMENT

STAGE 3

DONNYBROOK ROAD, MICKLEHAM

INTERSECTION DETAILS



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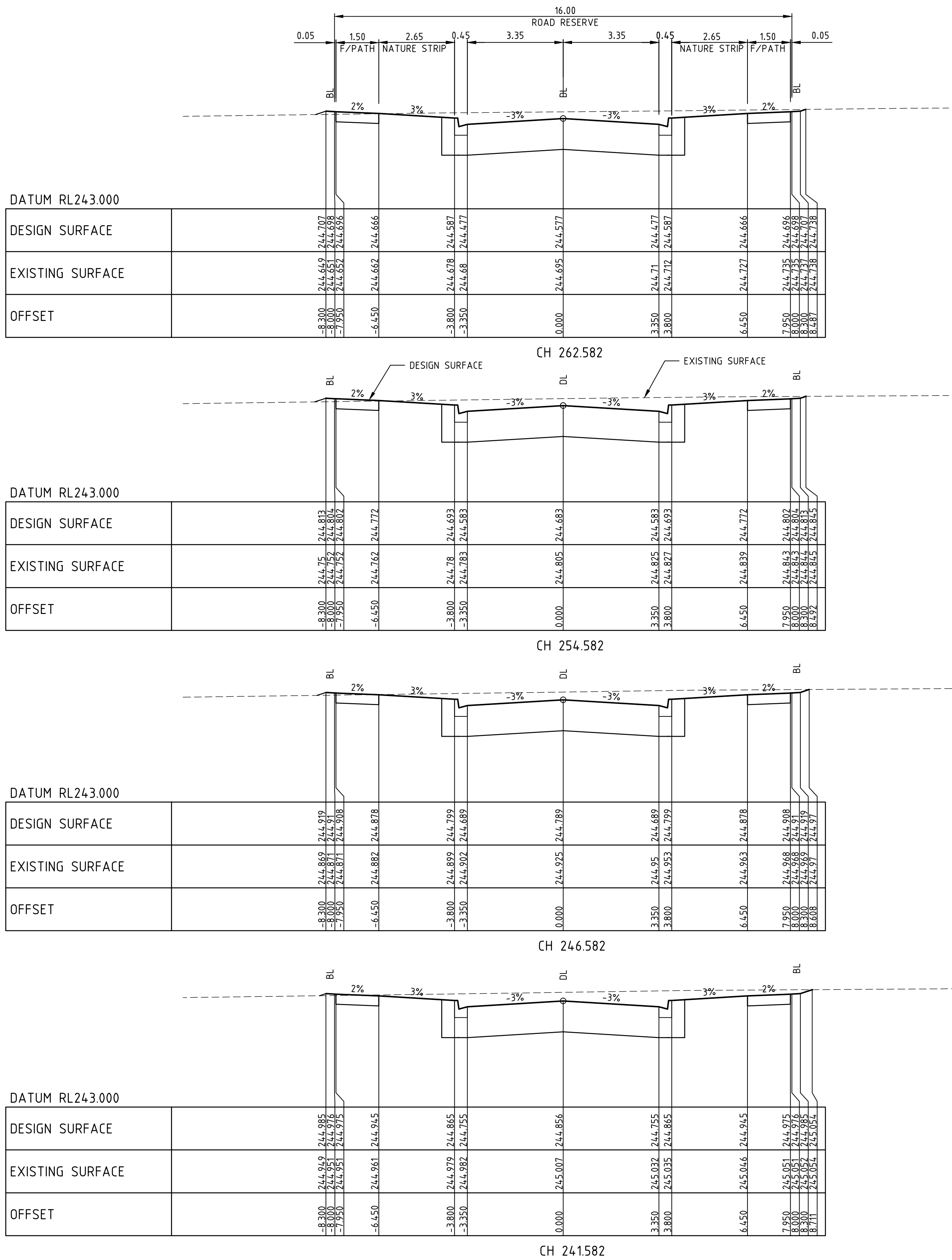
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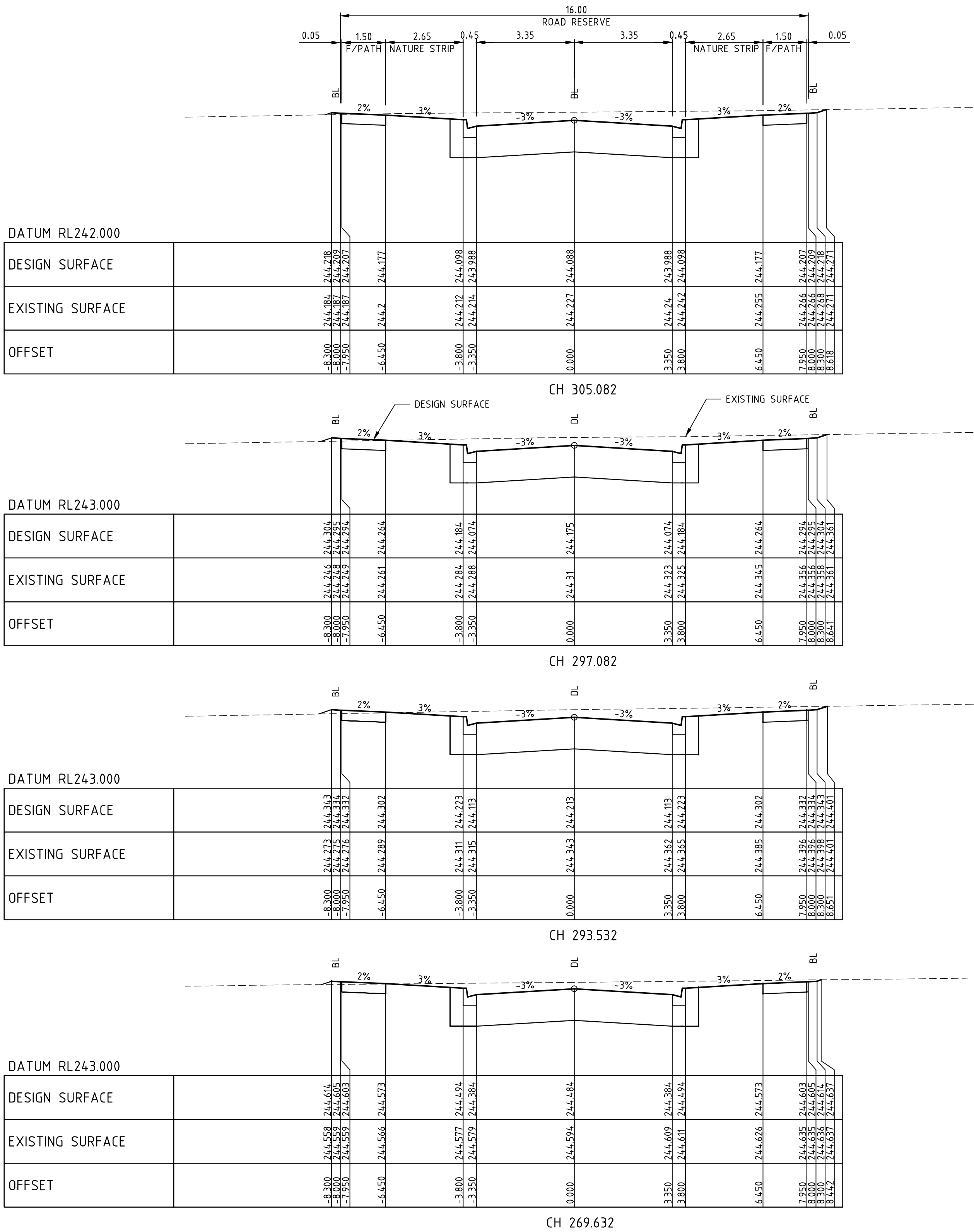
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Designed LT
Date 04/02/2013
AN 431323
Verified SL
Date 11/10/13
AN 1061183
Audited RCM
Date 12/03/14
AN 641856
Approved TL
Date 26/03/14
AN 882652

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.

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YARRADALE DRIVE



REV	AMENDMENTS	DATE	APP'D.
1	AS CONSTRUCTED	24/09/14	TL
0	CONSTRUCTION ISSUE	26/03/14	TL

Drawn HT Date 04/02/2013
Designed LT
Date 04/02/2013
AN 431324
Verified SL
Date 11/10/13
AN 1061184
Audited RCM
Date 12/03/14
AN 641857
Approved TL
Date 26/03/14
AN 882653
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.

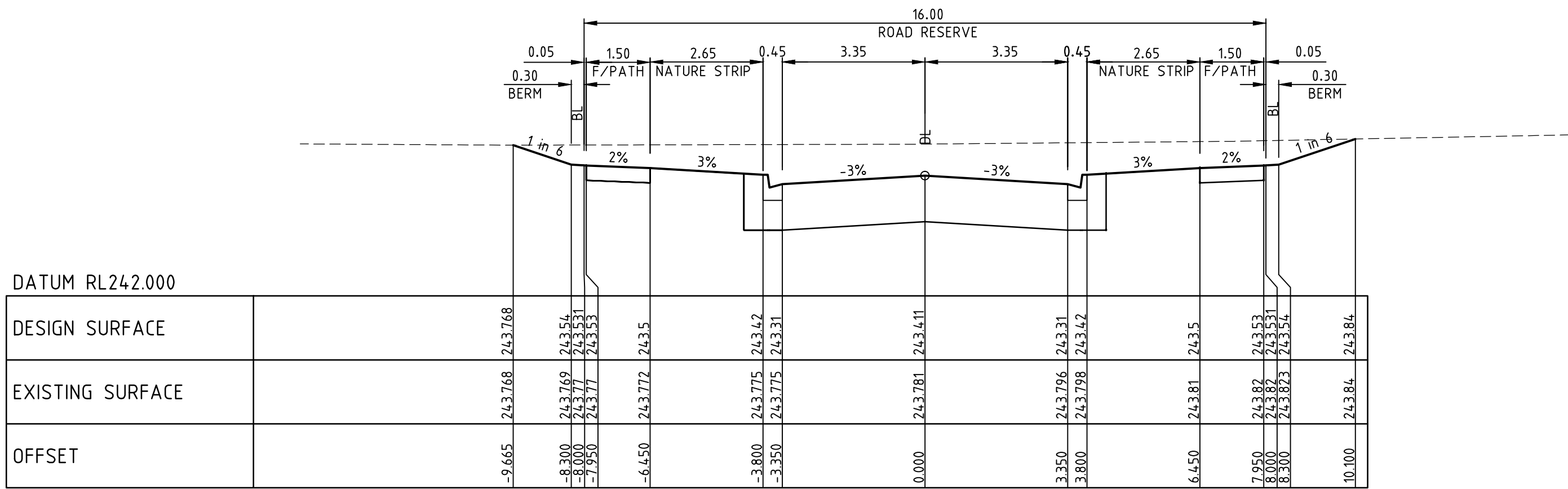


MERRIFIELD DEVELOPMENT
STAGE 3
DONNYBROOK ROAD, MICKLEHAM
CROSS SECTIONS
SHEET 1 OF 4
Drawing No. 11723XS01 Rev 1
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Sheet No. 07
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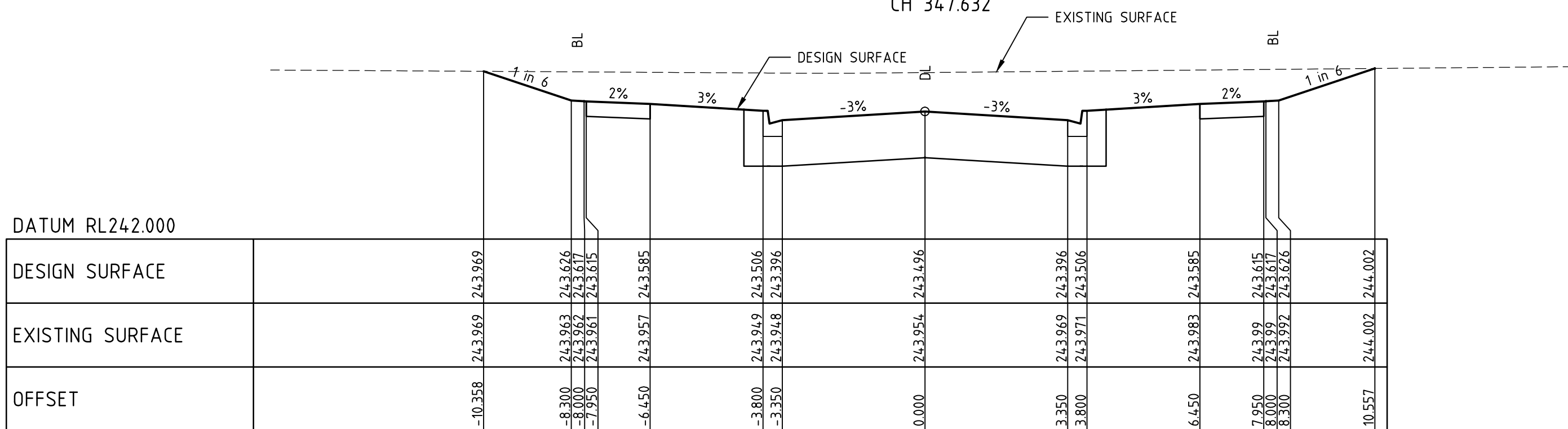
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Australia
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F 61 3 9888 6880
Suite 17
PO Box 1178
Milton QLD 4084
Australia
T 61 7 3367 1732
E info@dceprofile.com

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

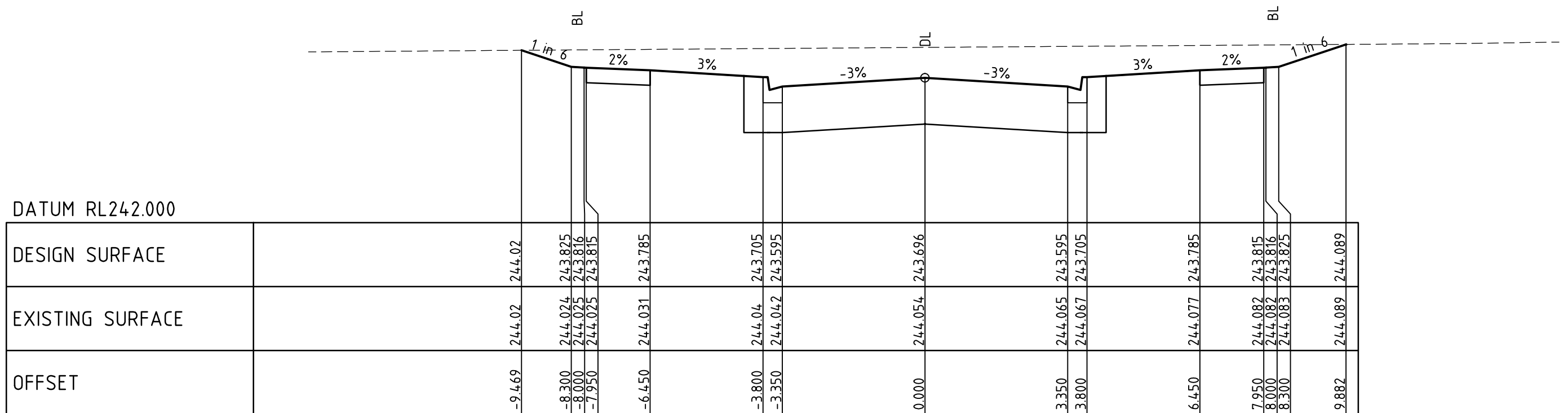
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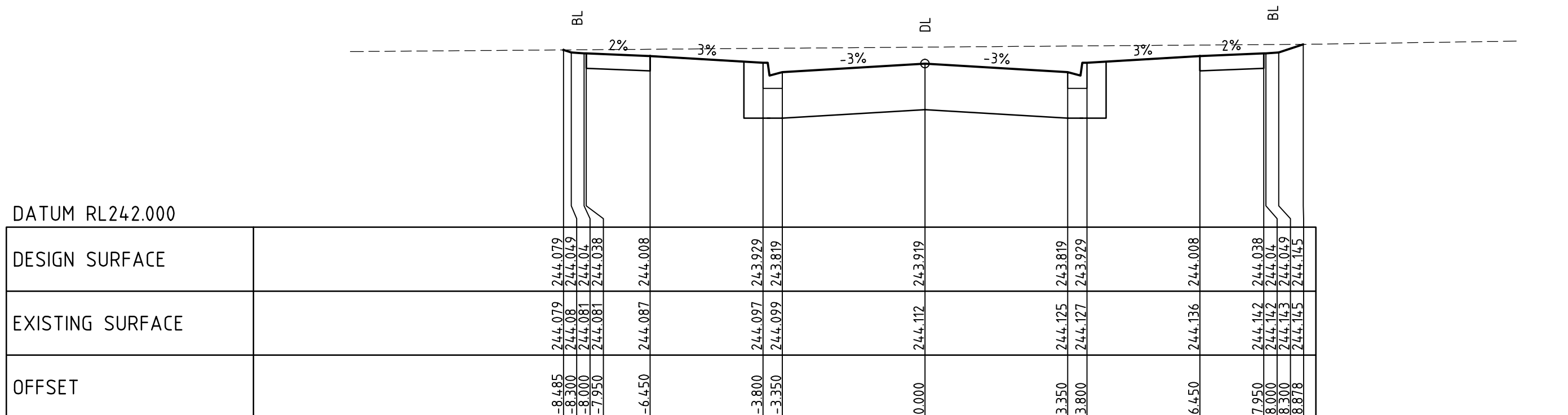
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CH 338.582

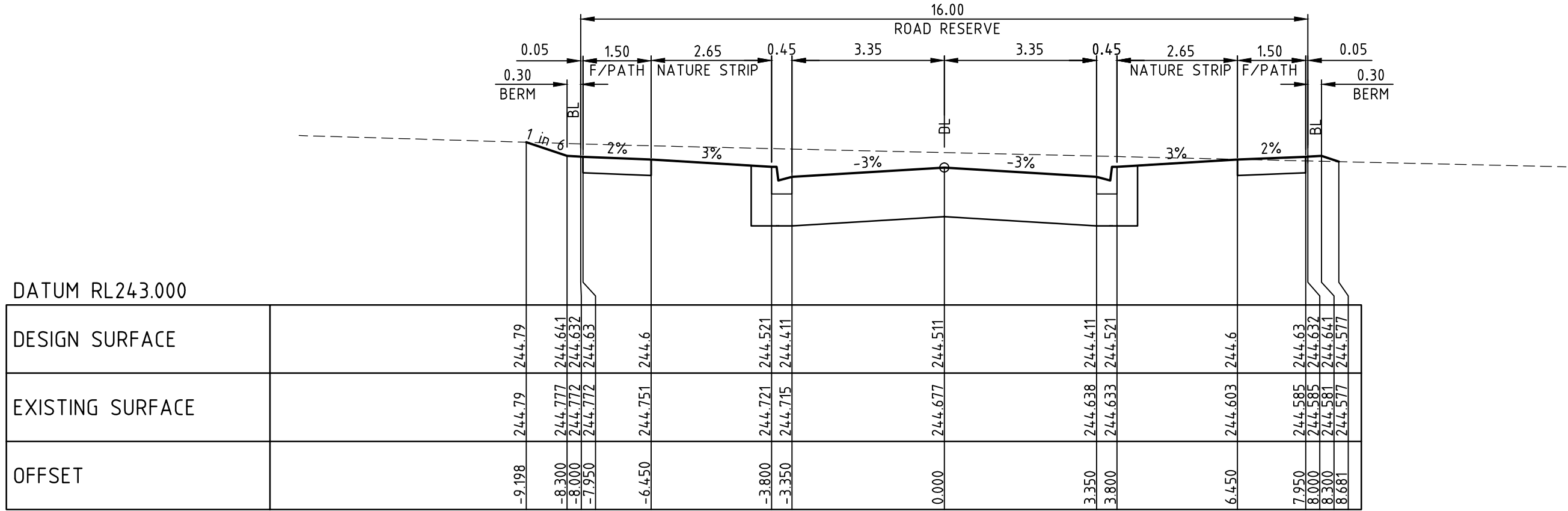


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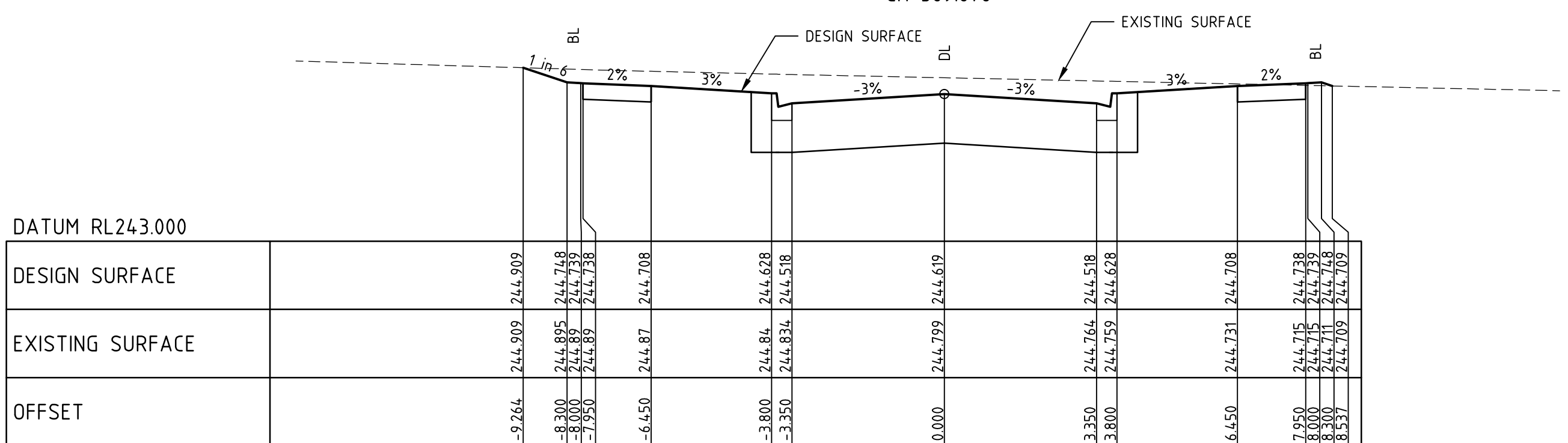


CH 317.582

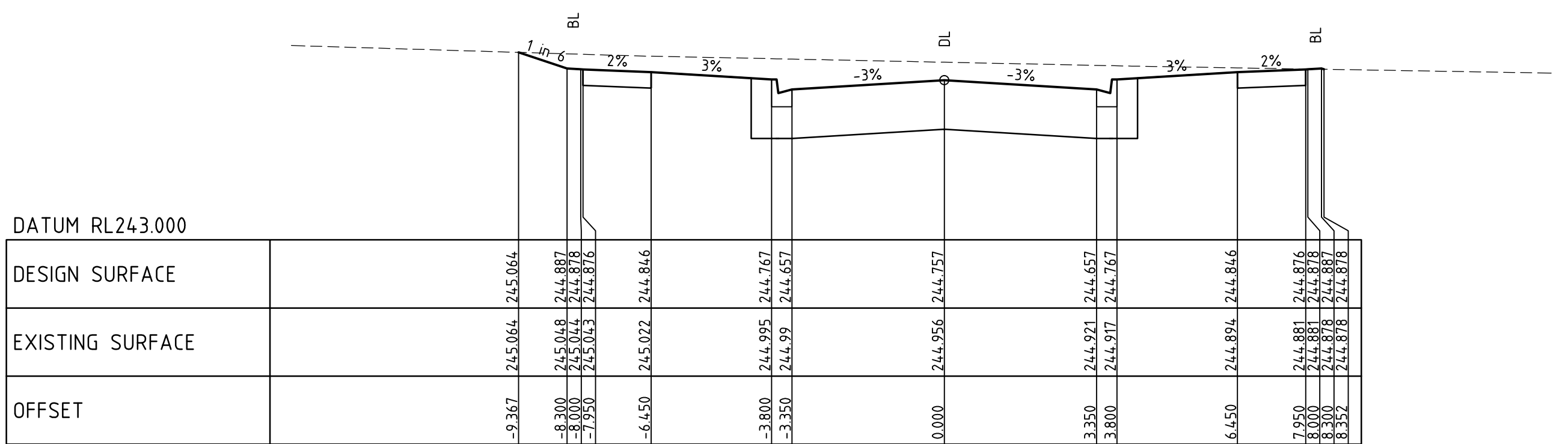
YARRADALE DRIVE



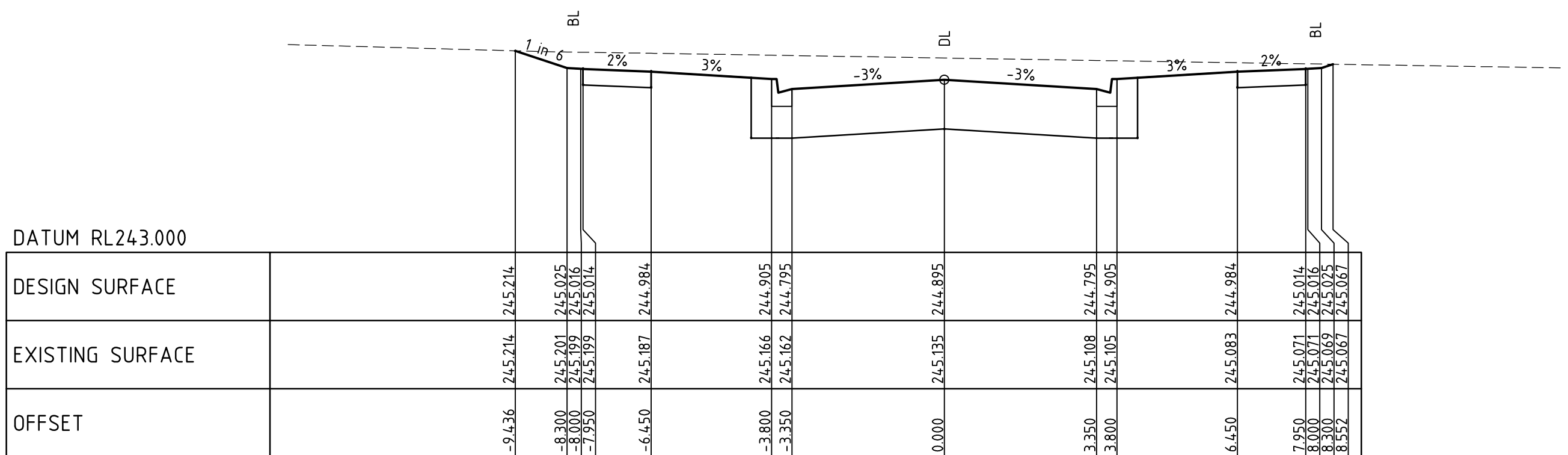
CH 369.676



CH 357.176



CH 341.176



CH 325.176

WILLSMERE WAY

REV	AMENDMENTS	DATE	APP'D.
1	AS CONSTRUCTED	24/09/14	TL
0	CONSTRUCTION ISSUE	26/03/14	TL

Drawn HT Date 04/02/2013
Designed LT
Date 04/02/2013
AN 431325
Verified sL
Date 11/10/13
AN 1061185
Audited RCM
Date 12/03/14
AN 641858
Approved TL
Date 26/03/14
AN 882654
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.

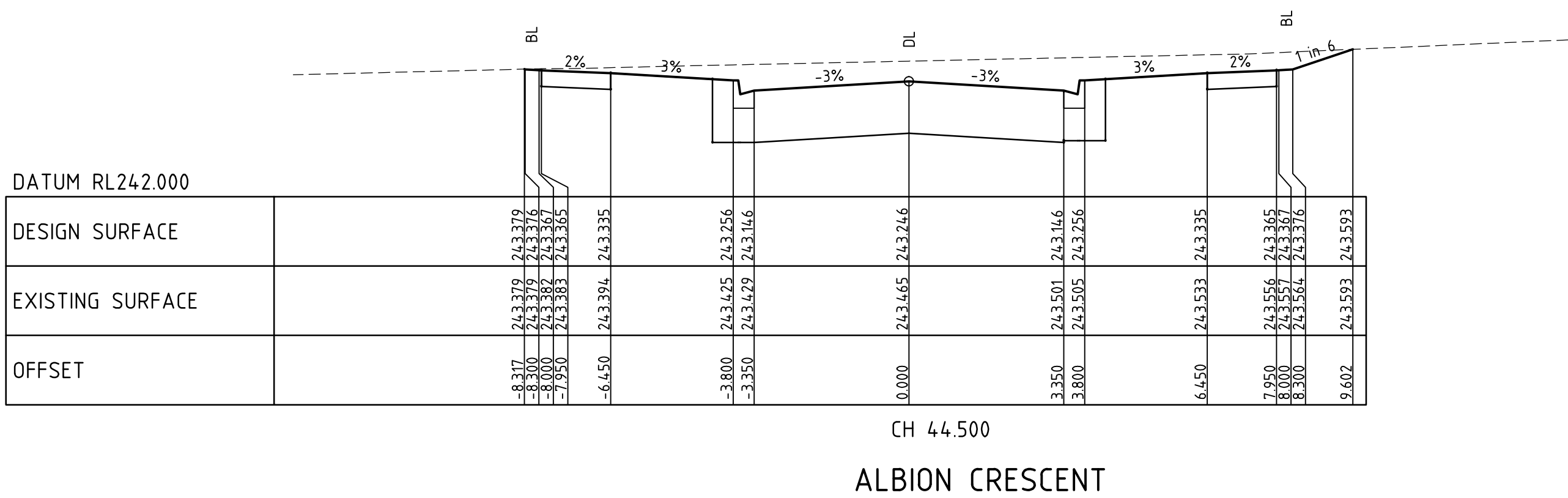
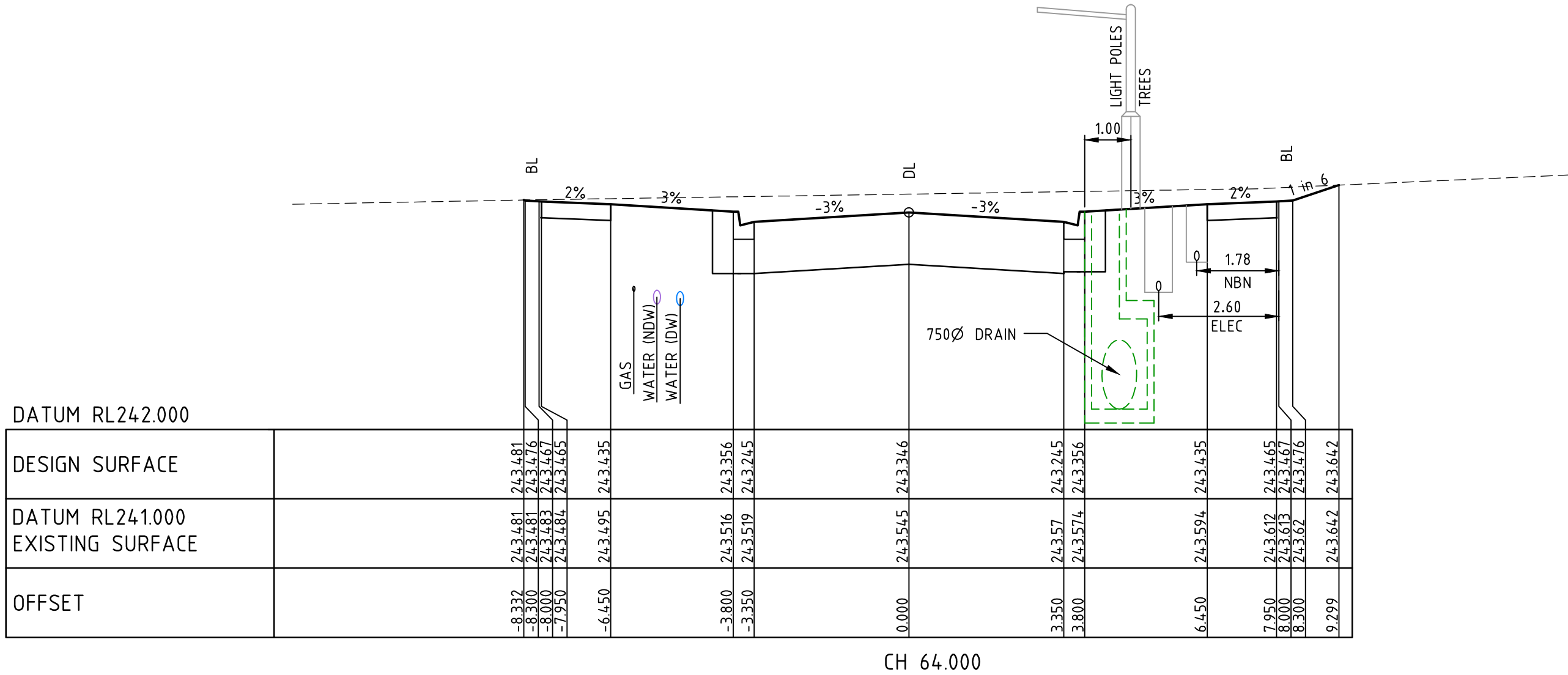
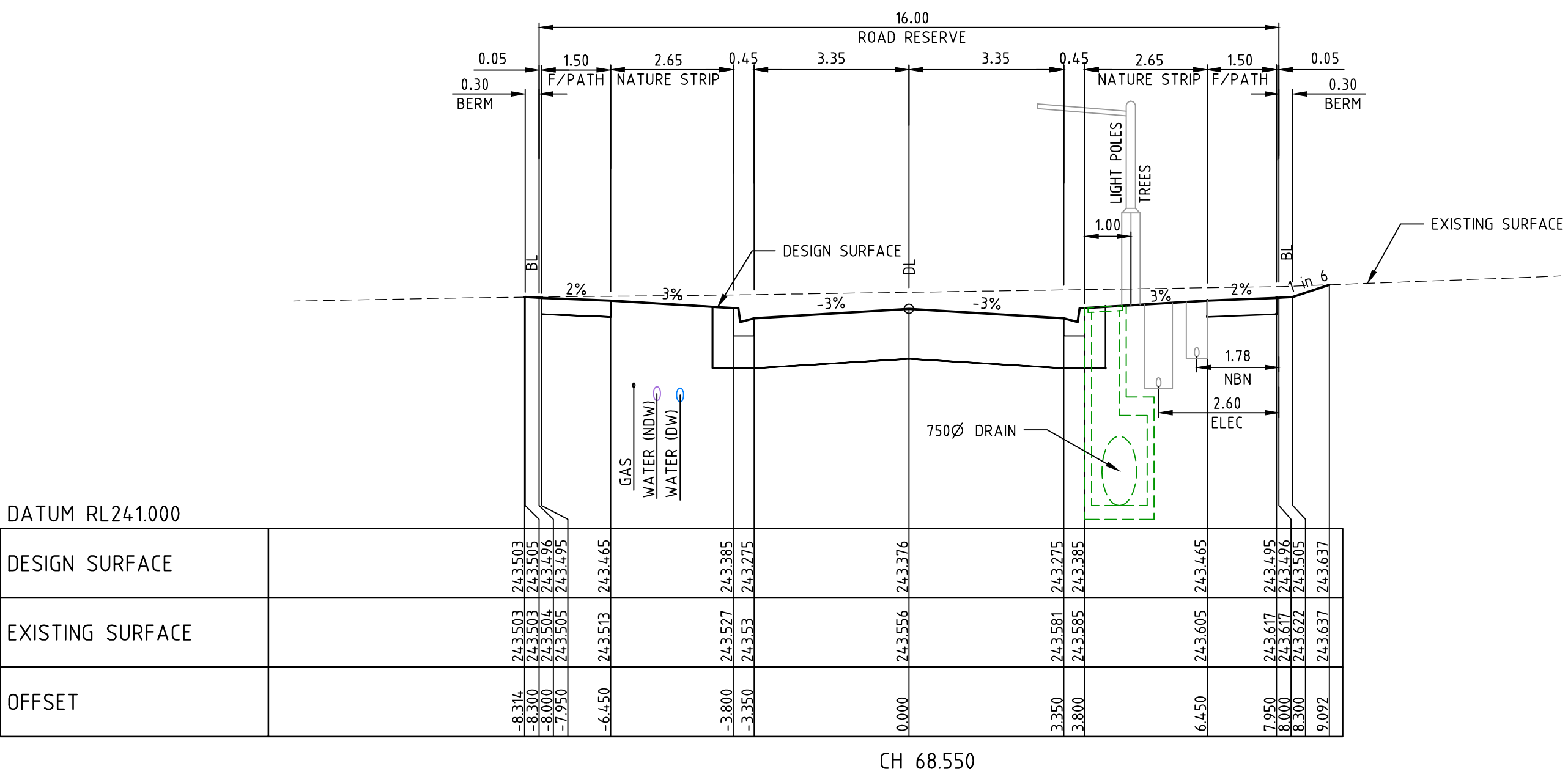
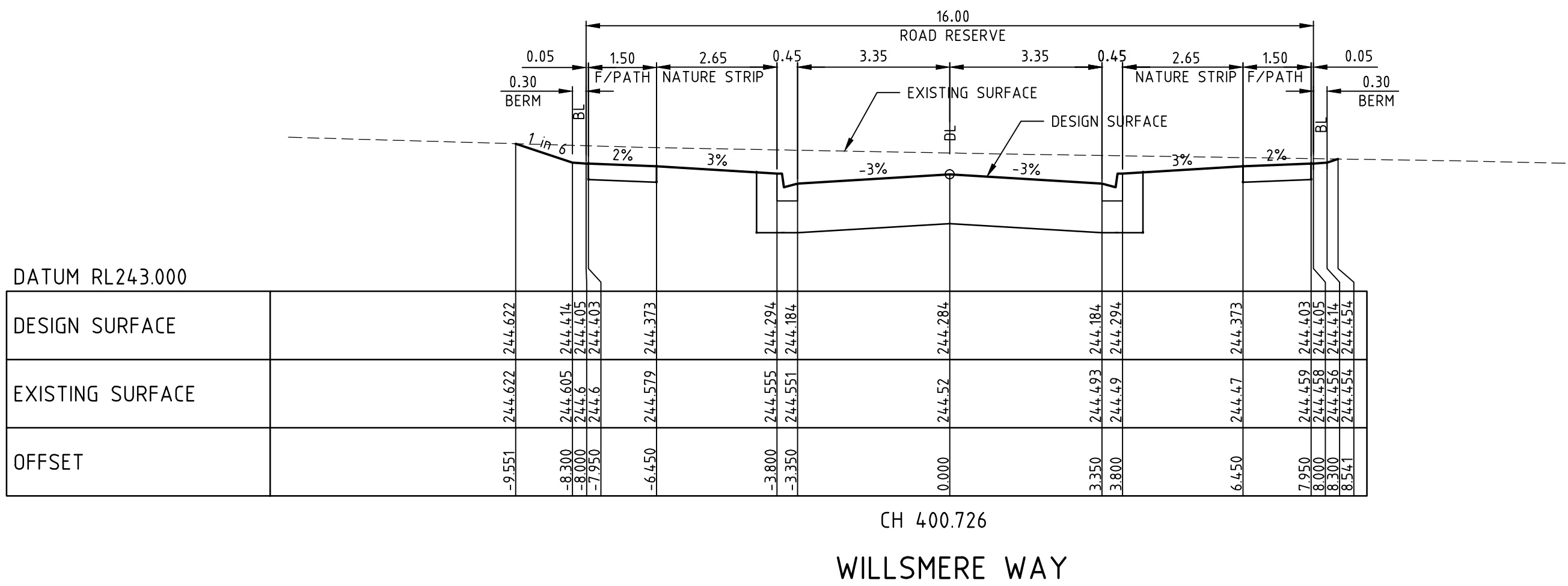


MERRIFIELD DEVELOPMENT
STAGE 3
DONNYBROOK ROAD, MICKLEHAM
CROSS SECTIONS
SHEET 2 OF 4
Drawing No. 11723XS02 Rev 1
Sheet No. 08 **AS CONSTRUCTED**
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ABN 78 428 221 048

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



Drawing File: C:\Design\11723\11723-MERRIFIELD - Precinct 1 - Stage 3\Acad\11723XS03.dwg - 11723XS03
Date/Time: Wed Sep 24, 2014 - 12:16pm --michael.cook--



REV	AMENDMENTS	DATE	APP'D.
1	AS CONSTRUCTED	24/09/14	TL
0	CONSTRUCTION ISSUE	26/03/14	TL

Drawn HT Date 04/02/2013
Designed LT
Date 04/02/2013
AN 431326
Verified sL
Date 11/10/13
AN 1061186
Audited RCM
Date 12/03/14
AN 641859
Approved TL
Date 26/03/14
AN 882655
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

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Ver 1:50 0m 0.5m 1m 2m 3m
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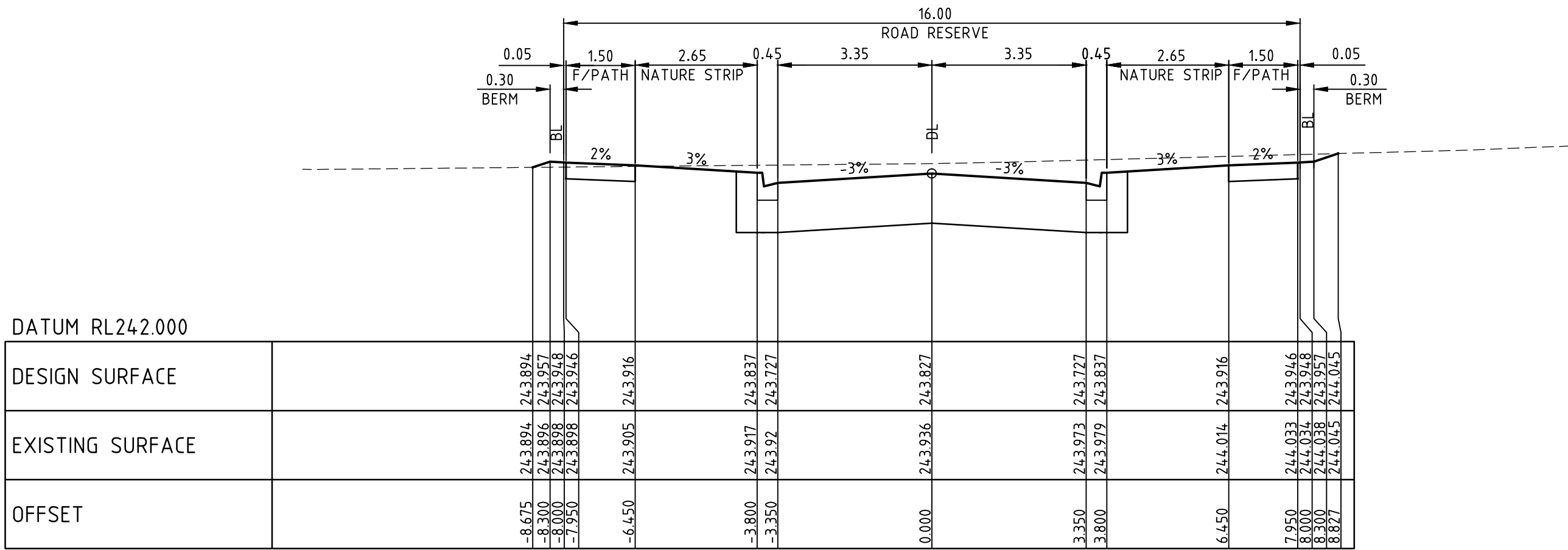
MERRIFIELD DEVELOPMENT
STAGE 3
DONNYBROOK ROAD, MICKLEHAM
CROSS SECTIONS
SHEET 3 OF 4
Drawing No. 11723XS03 Rev 1
AS CONSTRUCTED
Sheet No. 09
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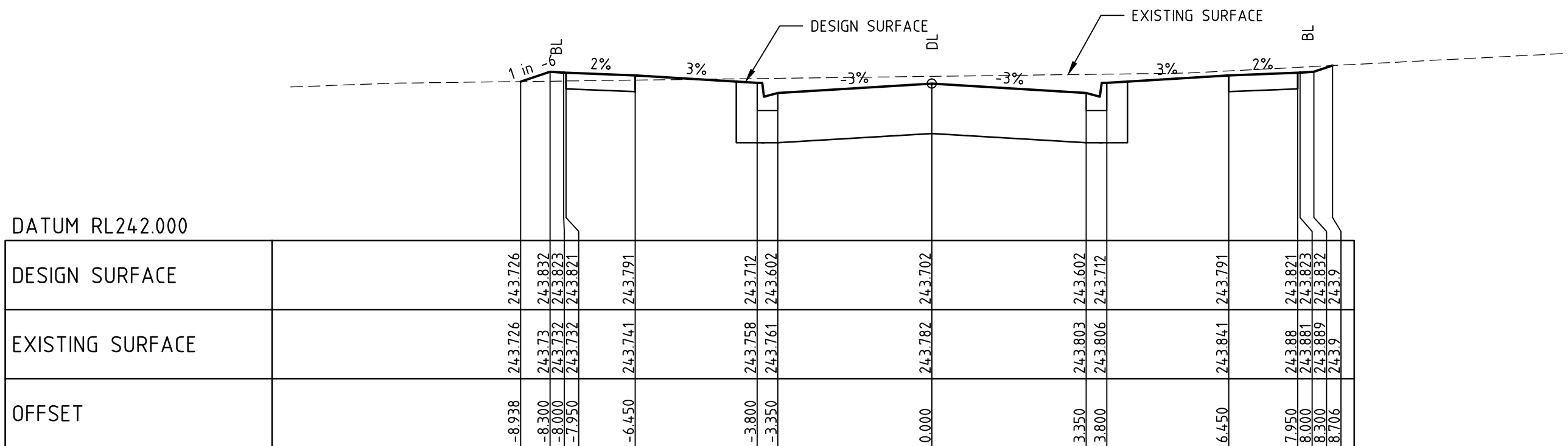
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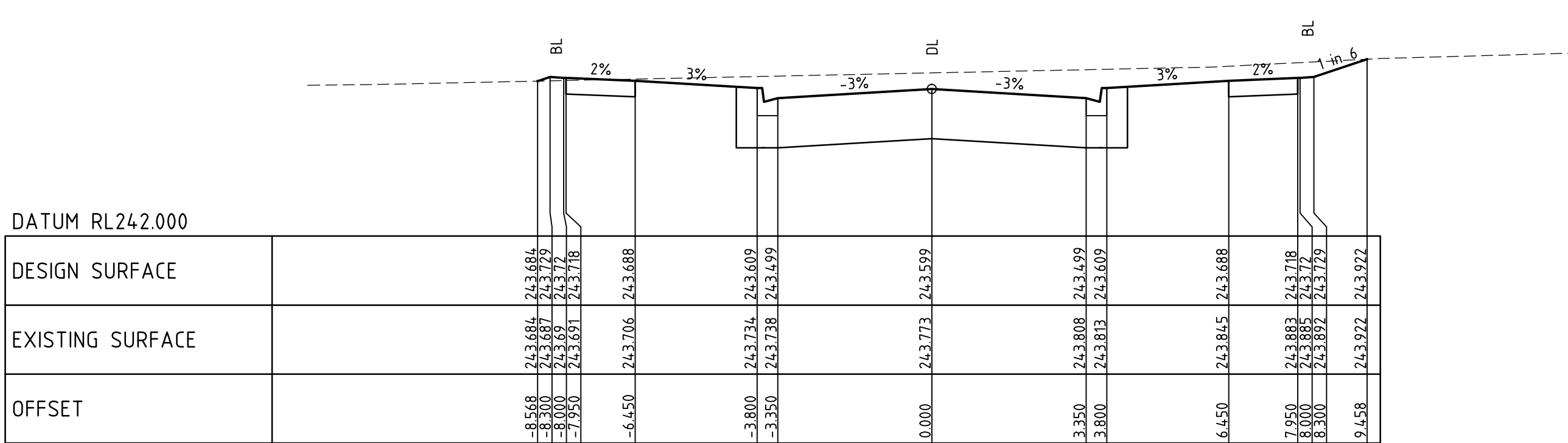
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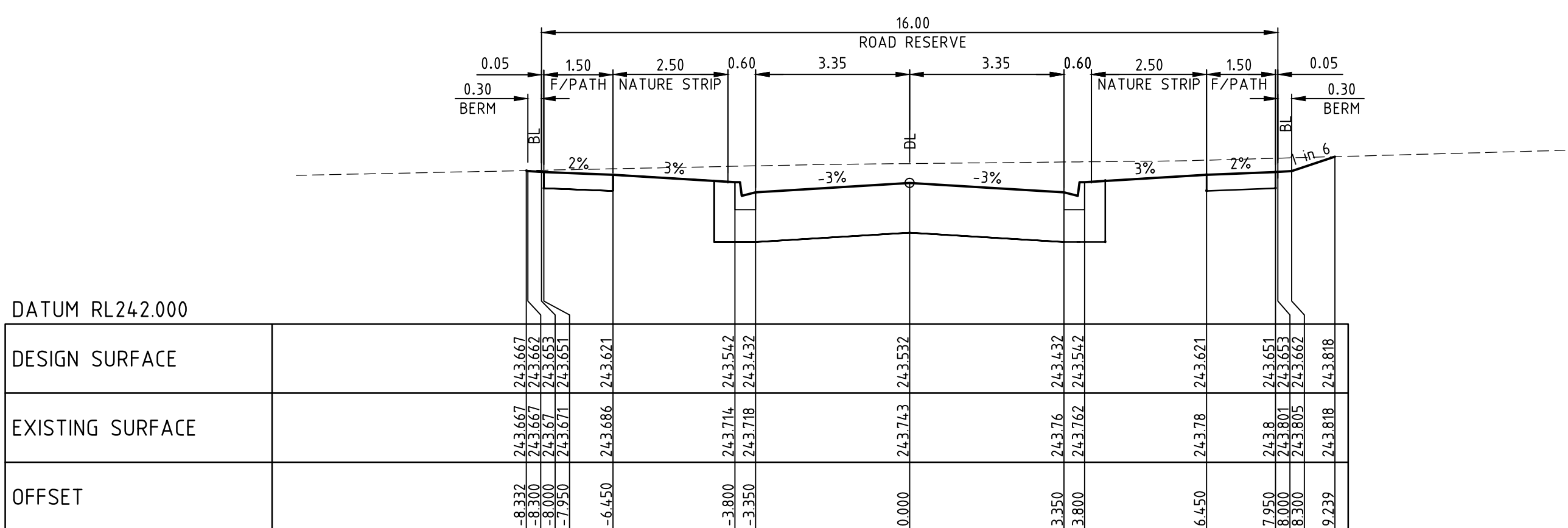
CH 129.880



CH 117.380

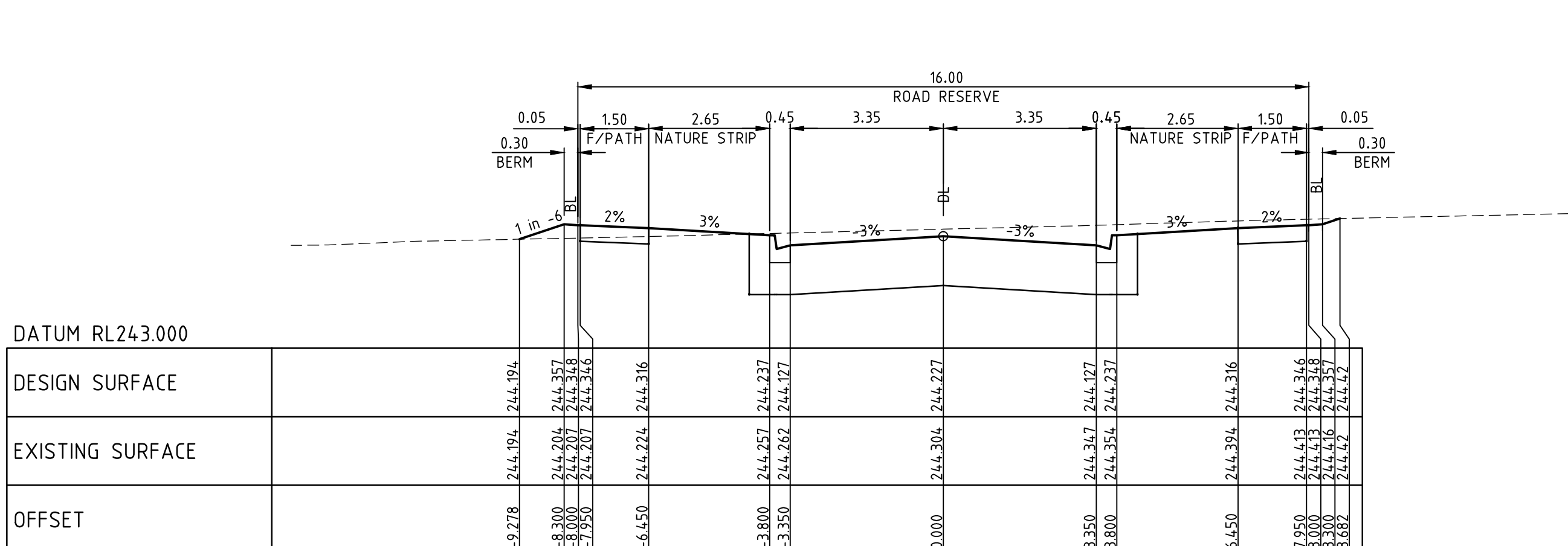


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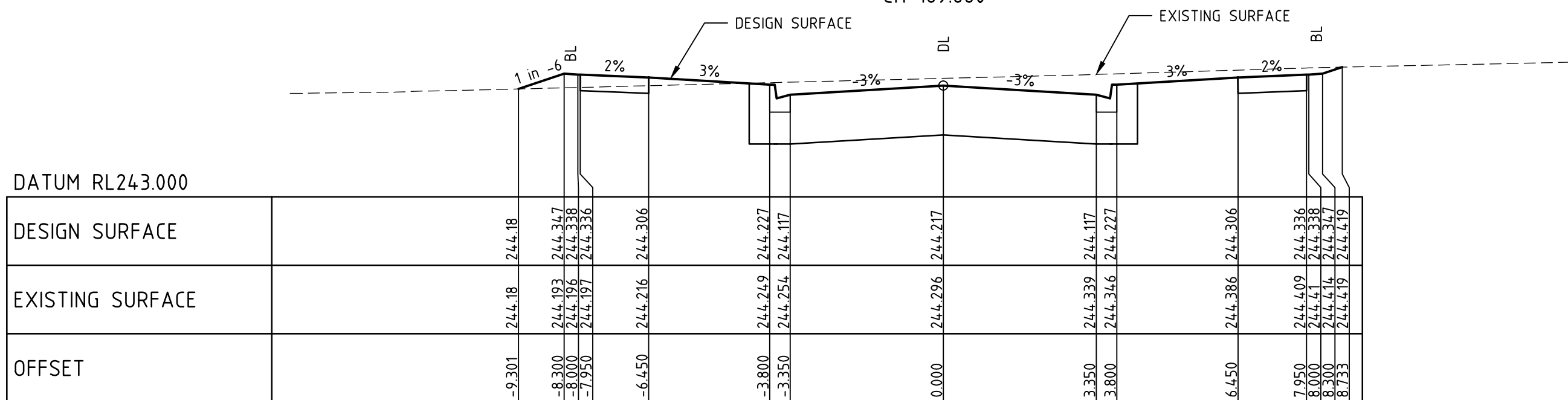


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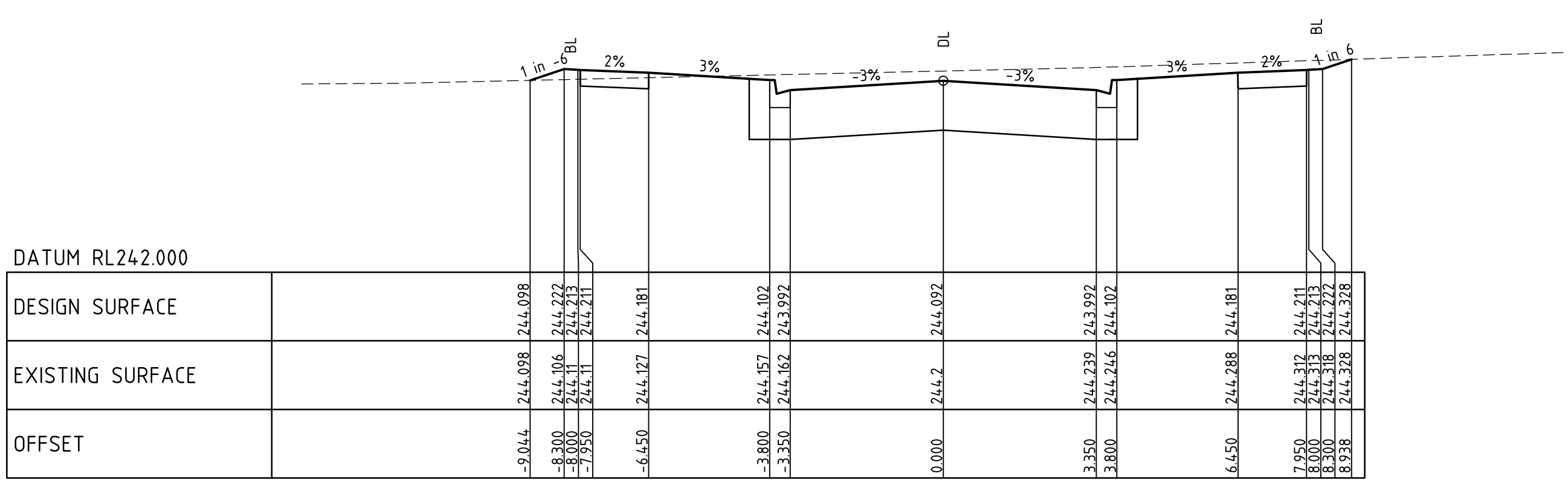
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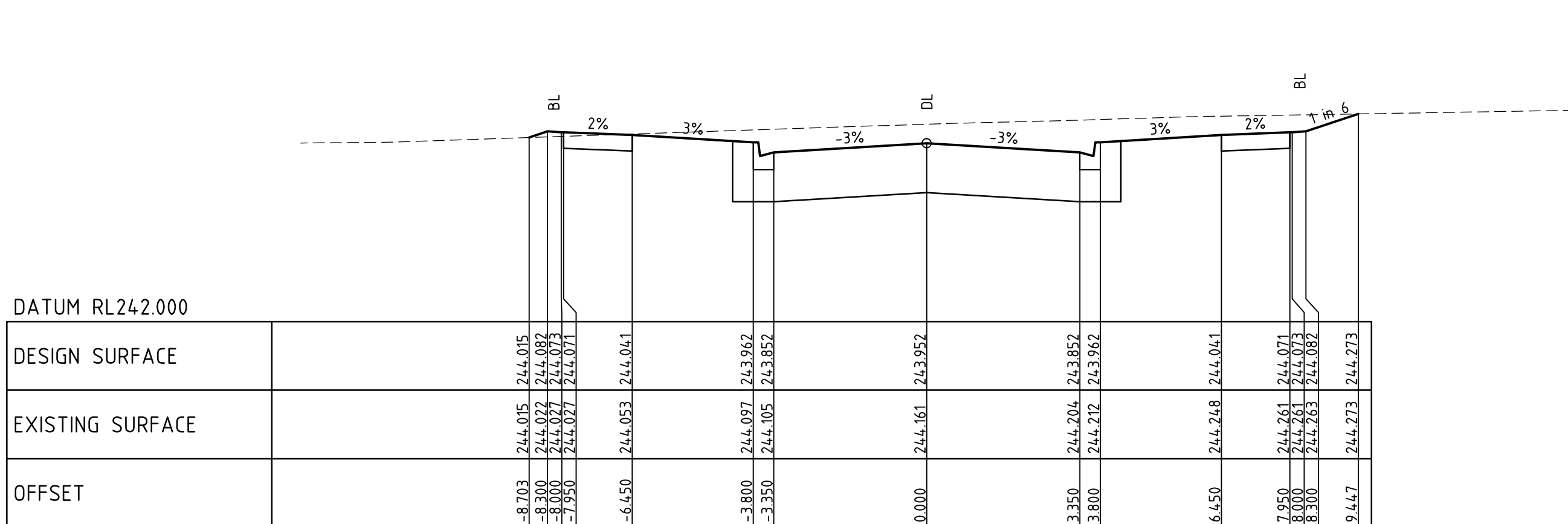
CH 169.880



CH 168.880



CH 156.380



CH 142.380

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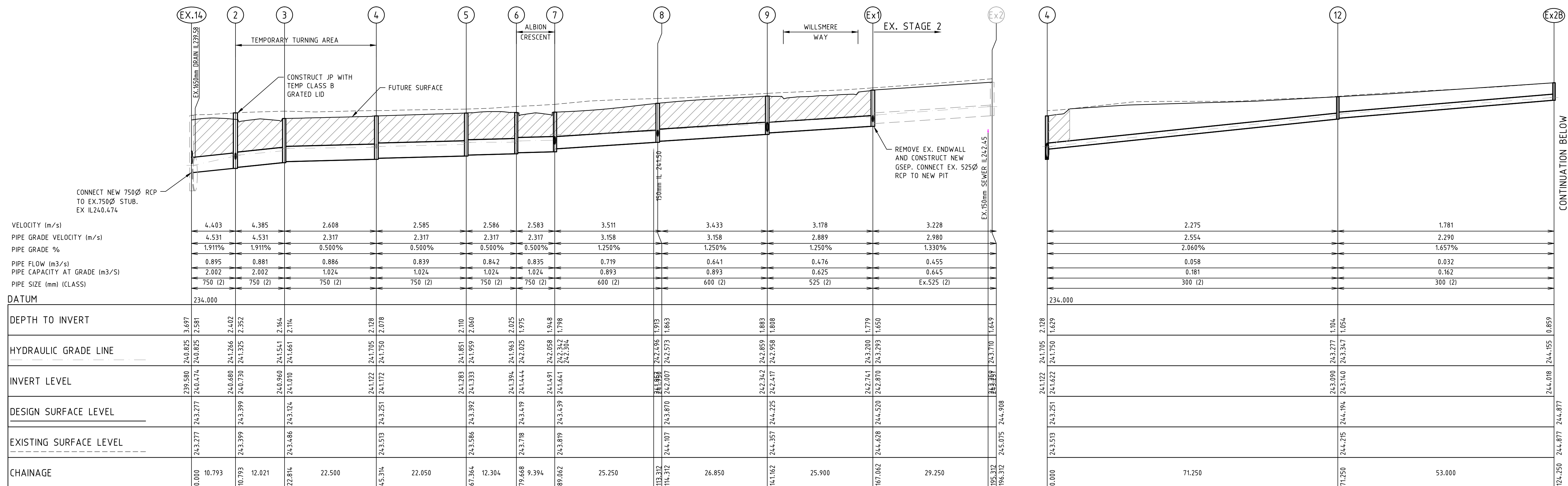
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Date 04/02/2013
AN 431327
Verified SL
Date 11/10/13
AN 1061187
Audited RCM
Date 12/03/14
AN 641860
Approved TL
Date 26/03/14
AN 882658
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.



MERRIFIELD DEVELOPMENT
STAGE 3
DONNYBROOK ROAD, MICKLEHAM
CROSS SECTIONS
SHEET 4 OF 4
Drawing No. 11723XS04 Rev 1
Sheet No. 10 **AS CONSTRUCTED**
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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



1	AS CONSTRUCTED	24/09/14	TL
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REV	AMENDMENTS	DATE	APP'D.

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Date	04/02/2013
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Verified SL	
Date	16/10/13
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Audited RCM	
Date	12/03/14
AN 641861	
Approved TL	
Date	26/03/14
AN 882657	
Written dimensions to take precedence over scale.	
Contractor shall check and verify all dimensions on site.	
Discrepancies to be brought to the attention of the Superintendent.	

LEGEND

DENOTES CLASS 2 CRUSHED ROCK BACKFILL

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MAB GPC

MERRIFIELD DEVELOPMENT

STAGE 3

DONNYBROOK ROAD, MICKLEHAM

DRAINAGE LONGITUDINAL SECTIONS

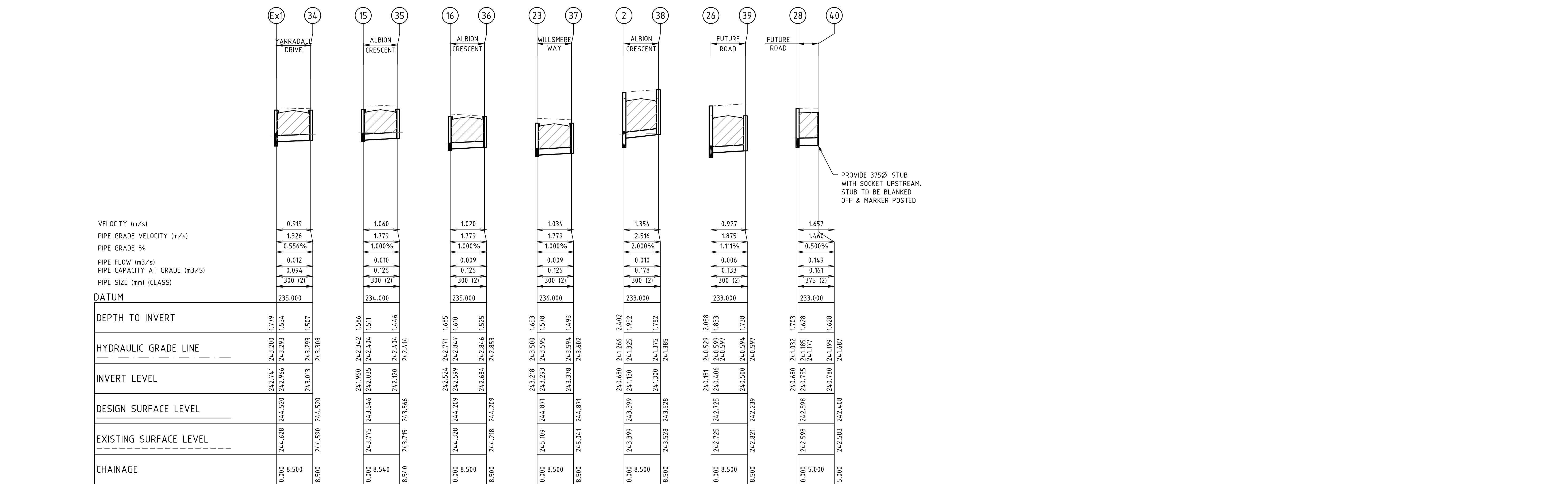
SHEET 1 OF 3

Drawing No. 11723DR01 Rev 1

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Audited RCM	
Date	12/03/14
AN 641862	
Approved TL	
Date	26/03/14
AN 882668	
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.	

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Levels: AHD

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Ver 1:100 0m 1m 2m 4m 6m

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

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MERRIFIELD DEVELOPMENT

STAGE 3

DONNYBROOK ROAD, MICKLEHAM

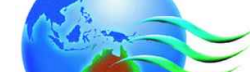
DRAINAGE LONGITUDINAL SECTIONS

SHEET 2 OF 3

Drawing No. 11723DR02 Rev 1

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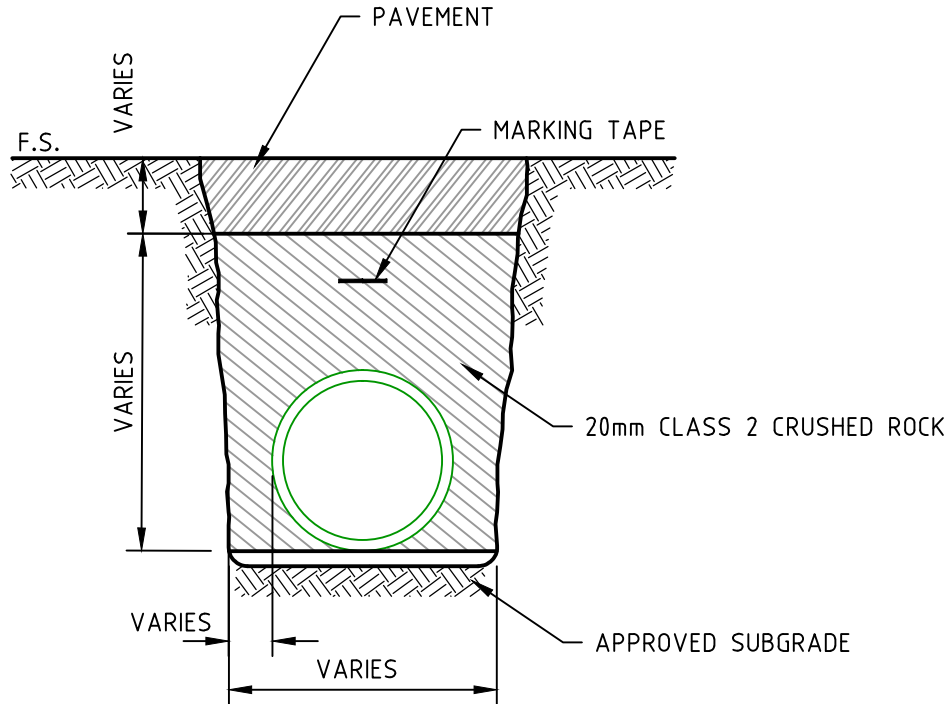
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ALL PIT LIDS TO BE IN ACCORDANCE WITH HUME CITY COUNCIL STANDARD DETAILS

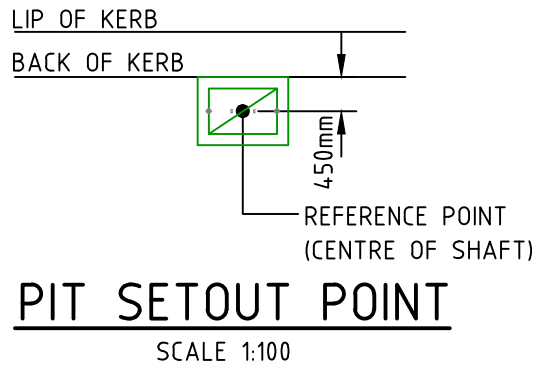
PIT SCHEDULE

PIT		EASTING	NORTHING	INTERNAL		INLET		OUTLET		PIT		REMARKS
NAME	TYPE			WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	
Ex.14		315245.338	5843919.365			EX.750	EX. 240.474	EX.1650	EX.239.58	243.277	2.803	CONNECT NEW 750DIA RCP TO EX.750DIA STUB
2	GSEP	315236.253	5843913.536	T 600 B 900	T 900 B 1800	750	240.73	750	240.68	243.399	2.719	TEMP HAUNCH GP WITH CLASS B COVER. REFER TO GAA STD DRG FIG.013 & VICROADS SD 1021-1023
						300	241.13					
3	JP	315226.774	5843906.144	T 600 B 1000	T 900 B 1500	750	241.01	750	240.96	243.124	2.164	TEMP. JP WITH CLASS D COVER. REFER TO GAA STD DRG FIG.014
4	JP	315224.011	5843883.814	T 600 B 1000	T 900 B 900	750	241.172	750	241.122	243.251	2.128	JP WITH CLASS D COVER. REFER TO GAA STD DRG FIG.014
						300	241.622					
5	GSEP	315221.304	5843861.931	T 600 B 1000	T 900 B 1500	750	241.333	750	241.283	243.392	2.11	HAUNCH GSEP. REFER TO GAA STD DRG FIG.013 & VICROADS SD 1021-1023
6	GSEP	315211.602	5843854.365	T 600 B 900	T 900 B 1500	750	241.444	750	241.394	243.419	2.025	HAUNCH GSEP. REFER TO GAA STD DRG FIG.013 & VICROADS SD 1021-1023
7	GSEP	315206.588	5843846.421	T 600 B 900	T 900 B 1200	600	241.641	750	241.491	243.439	1.948	HAUNCH GSEP. REFER TO GAA STD DRG FIG.013 & VICROADS SD 1021-1023
						375	241.866					
8	GSEP	315181.529	5843849.521	T 600 B 900	T 900 B 900	600	242.007	600	241.957	243.87	1.913	REFER TO GAA STD DRG FIG.013
						300	242.257					
9	GSEP	315154.883	5843852.818	T 600 B 900	T 900 B 900	525	242.417	600	242.342	244.225	1.883	HAUNCH GSEP. REFER TO GAA STD DRG FIG.013 & VICROADS SD 1021-1023
						450	242.492					
Ex.1	GSEP	315129.179	5843855.998	T 600 B 900	T 900 B 900	525	242.87	525	242.741	244.52	1.779	HAUNCH GSEP. REFER TO GAA STD DRG FIG.013 & VICROADS SD 1021-1023
						300	242.966					
12	JP	315153.301	5843892.563	600	900	300	243.14	300	243.09	244.194	1.104	REFER TO GAA STD DRG FIG.014
Ex.28	JP	315100.702	5843899.07	600	600	225	244.093	300	244.018	244.877	0.859	REFER TO GAA STD DRG FIG.014
15	GSEP	315214.154	5843836.718	600	900	375	242.01	375	241.96	243.546	1.586	HAUNCH GSEP. REFER TO GAA STD DRG FIG.013 & VICROADS SD 1021-1023
						300	242.035					
16	GSEP	315205.326	5843765.36	600	900	300	242.599	375	242.524	244.209	1.685	HAUNCH GSEP WITH CLASS D COVER.. REFER TO GAA STD DRG FIG.013 & VICROADS SD 1021-1023
						300	242.599					
17	EP	315201.256	5843732.463					300	242.959	244.755	1.796	
18	JP	315175.114	5843797.666	600	900	300	243.256	300	243.206	244.465	1.259	REFER TO GAA STD DRG FIG.014
19	JP	315171.185	5843765.909	600	900	225	243.651	300	243.576	244.745	1.169	REFER TO GAA STD DRG FIG.014. PROVIDE 225DIA BLOCKOUT FOR FUTURE CONNECTION IL243.651
21	GSEP	315145.18	5843845.252	600	900	450	242.626	450	242.576	244.312	1.737	HAUNCH GSEP. REFER TO GAA STD DRG FIG.013 & VICROADS SD 1021-1023
22	GSEP	315136.744	5843846.295	600	900	375	242.757	450	242.682	244.312	1.63	REFER TO GAA STD DRG FIG.013
23	GSEP	315128.266	5843777.767	600	900	375	243.268	375	243.218	244.871	1.653	REFER TO GAA STD DRG FIG.013
						300	243.293					
24	EP	315124.174	5843744.689					375	243.463	245.425	1.962	PROVIDE 375DIA STUB WITH SOCKET UPSTREAM
Ex.12		315320.763	5843910.033			EX.525	EX.240.068	EX.1800	238.87	242.463	2.393	CONNECT NEW 525DIA RCP TO EX. 525DIA STUB
26	GSEP	315311.678	5843904.205	T 600 B 900	T 900 B 1200	525	240.231	525	240.181	242.725	2.545	REFER TO GAA STD DRG FIG.013
						300	240.406					
27	GSEP	315308.142	5843875.623	T 600 B 900	T 900 B 900	450	240.607	525	240.532	242.483	1.951	REFER TO GAA STD DRG FIG.013
28	GSEP	315299.707	5843876.666	600	900	375	240.755	450	240.68	242.598	1.918	REFER TO GAA STD DRG FIG.013
						375	240.755					
29	JP	315265.219	5843880.933	600	900	300	241.472	375	241.397	243.005	1.608	REFER TO GAA STD DRG FIG.014
30	JP	315258.749	5843828.632	600	900	300	242.049	300	241.999	243.384	1.385	REFER TO GAA STD DRG FIG.014
31	JP	315250.85	5843797.365	600	900	300	242.421	300	242.371	243.589	1.218	REFER TO GAA STD DRG FIG.014
32	JP	315245.067	5843750.619	600	900	300	242.943	300	242.893	243.927	1.034	REFER TO GAA STD DRG FIG.014. PROVIDE 300DIA BLOCKOUT
34	GSEP	315130.222	5843864.434	600	900			300	243.013	244.52	1.507	GSEP WITH CLASS D COVER REFER TO GAA STD DRG FIG.013
35	GSEP	315222.489	5843834.857	600	900			300	242.12	243.566	1.446	REFER TO GAA STD DRG FIG.013
36	GSEP	315213.762	5843764.317	600	900			300	242.684	244.209	1.525	REFER TO GAA STD DRG FIG.013
37	GSEP	315136.702	5843776.723	600	900			300	243.378	244.871	1.493	REFER TO GAA STD DRG FIG.013
38	GSEP	315227.818	5843914.58	600	900			300	241.3	243.528	2.228	REFER TO GAA STD DRG FIG.013
39	GSEP	315303.243	5843905.248	600	900			300	240.5	242.239	1.738	REFER TO GAA STD DRG FIG.013
40	EP	315299.093	5843871.704					375	240.78	242.408	1.628	PROVIDE 375DIA STUB WITH SOCKET UPSTREAM

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



TYPICAL PIPE TRENCH DETAIL
WITHIN ROAD RESERVE
SCALE 1:50



PIT SETOUT POINT
SCALE 1:100

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Date 11/10/13
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Date 12/03/14
AN 641863
Approved TL
Date 26/03/14
AN 882659
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Coords: MGA
Levels: AHD
Hor 1:500 0m 5m 10m 20m 30m
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Scale @ A1/A3 1:500/1:1000

MERRIFIELD DEVELOPMENT
STAGE 3
DONNYBROOK ROAD, MICKLEHAM
DRAINAGE LONGITUDINAL SECTIONS
SHEET 3 OF 3
Drawing No. 11723DR03 Rev 1
Sheet No. 13 **AS CONSTRUCTED**
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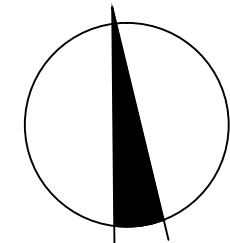
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Verified SL Date 11/10/13
AN 1061191
Audited RCM Date 12/13/14
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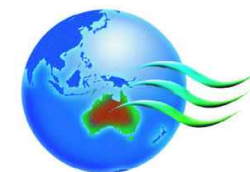


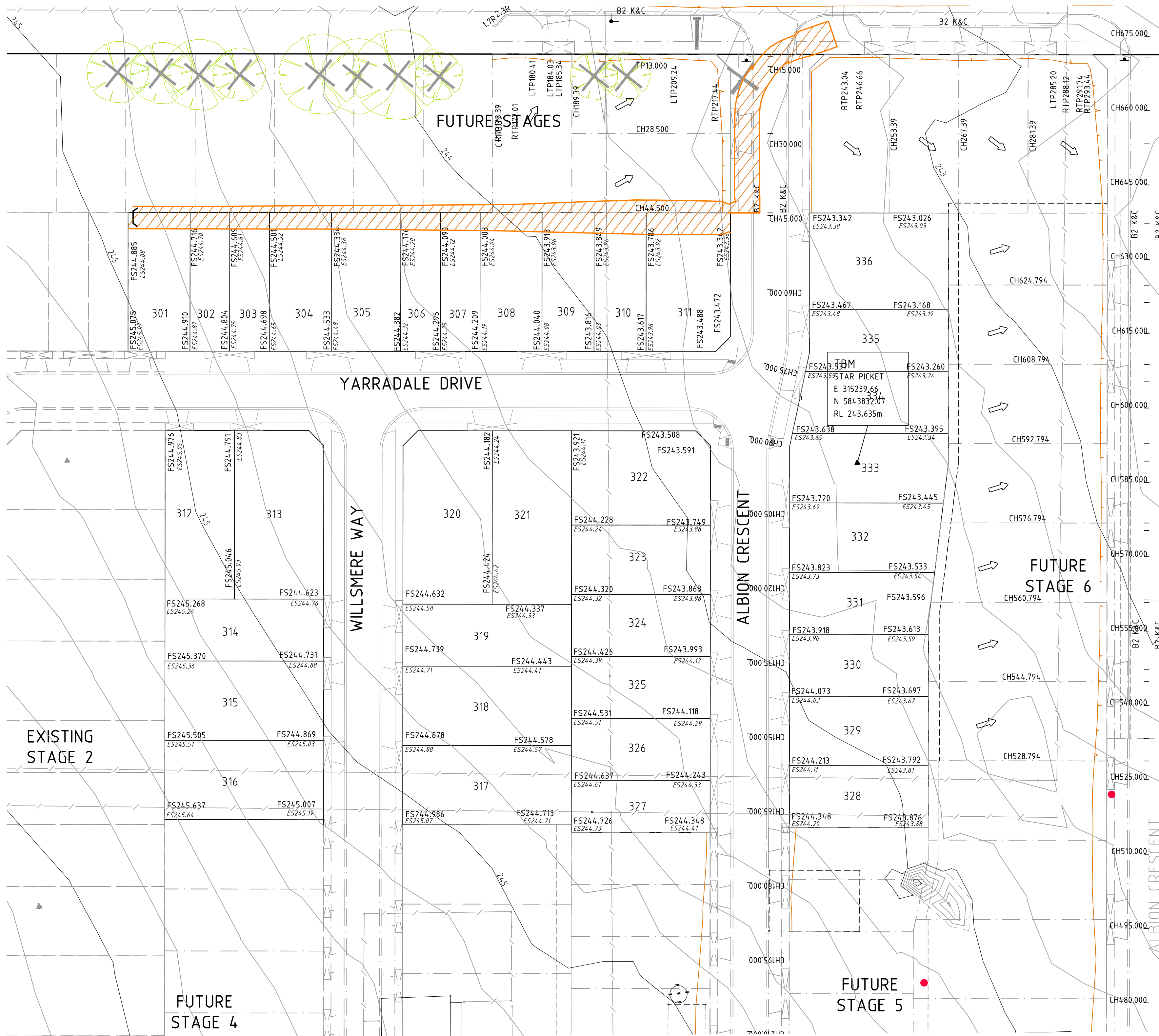
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MERRIFIELD DEVELOPMENT
STAGE 3
DONNYBROOK ROAD, MICKLEHAM
FILL PLAN

Drawing No. 11723FP01 Rev 1
Sheet No. 14 **AS CONSTRUCTED**
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FILL PLAN NOTES

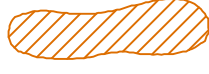
THIS PLAN SHOWS DETAILS OF WORKS AFFECTING THE NATURAL SURFACE OF THE LAND WITHIN THE SUBDIVISION WHICH HAVE BEEN CARRIED OUT OR ARE PROPOSED TO BE CARRIED OUT PRIOR TO REGISTRATION OF THE PLAN OF SUBDIVISION, BEING FILL PLACED ON THE LAND TO THE EXTENT AND DEPTH SHOWN ON THIS PLAN.

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.

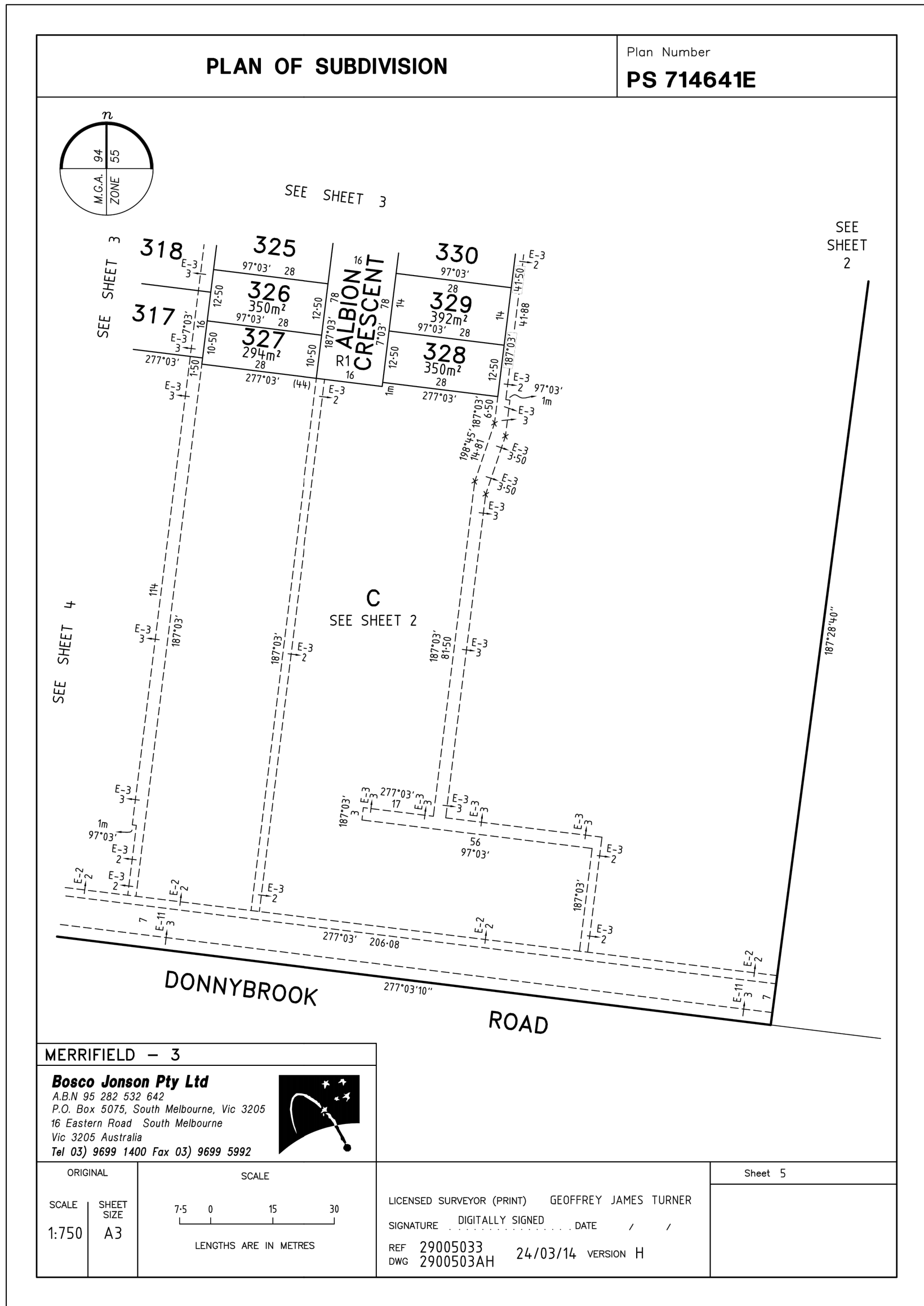
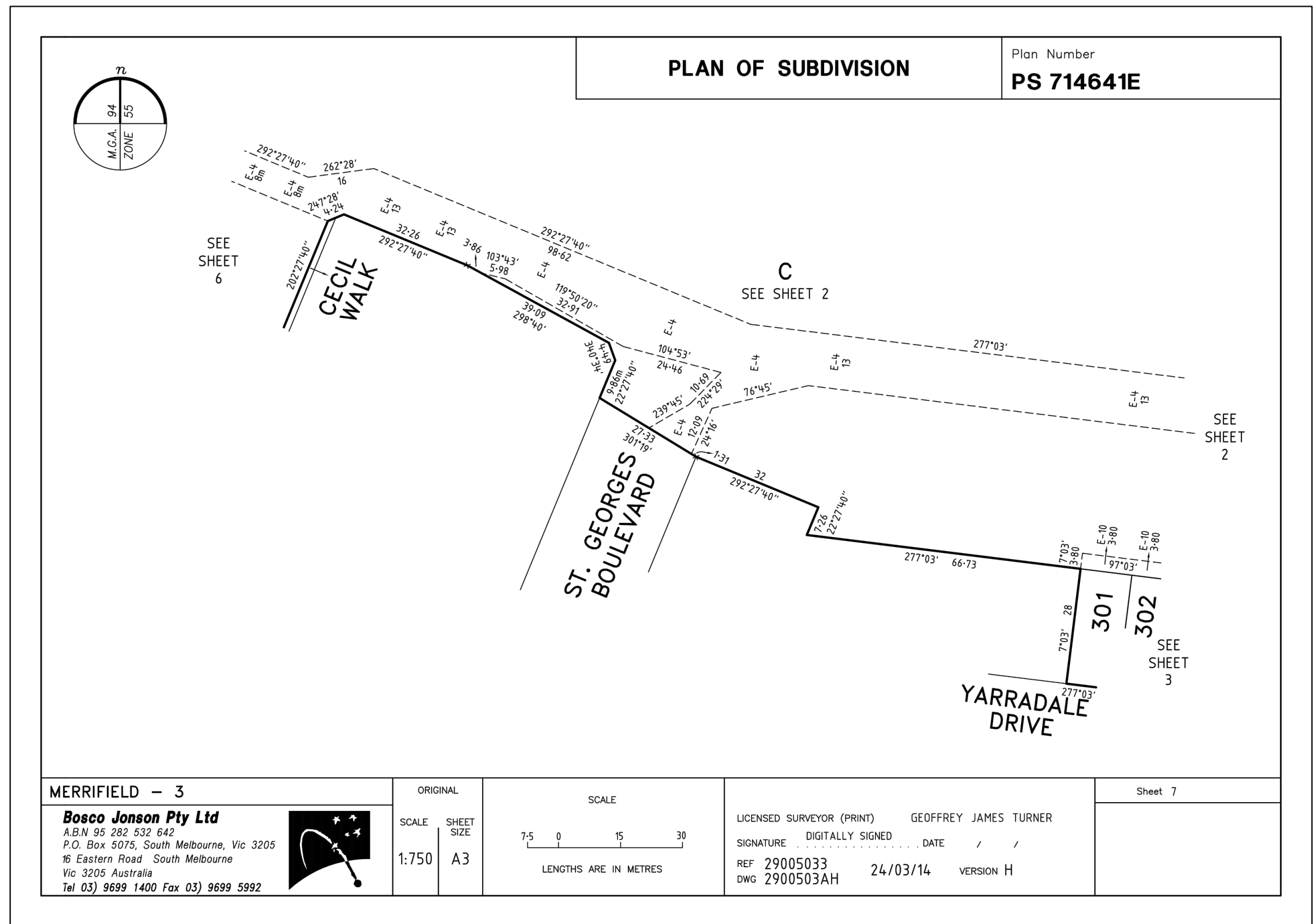
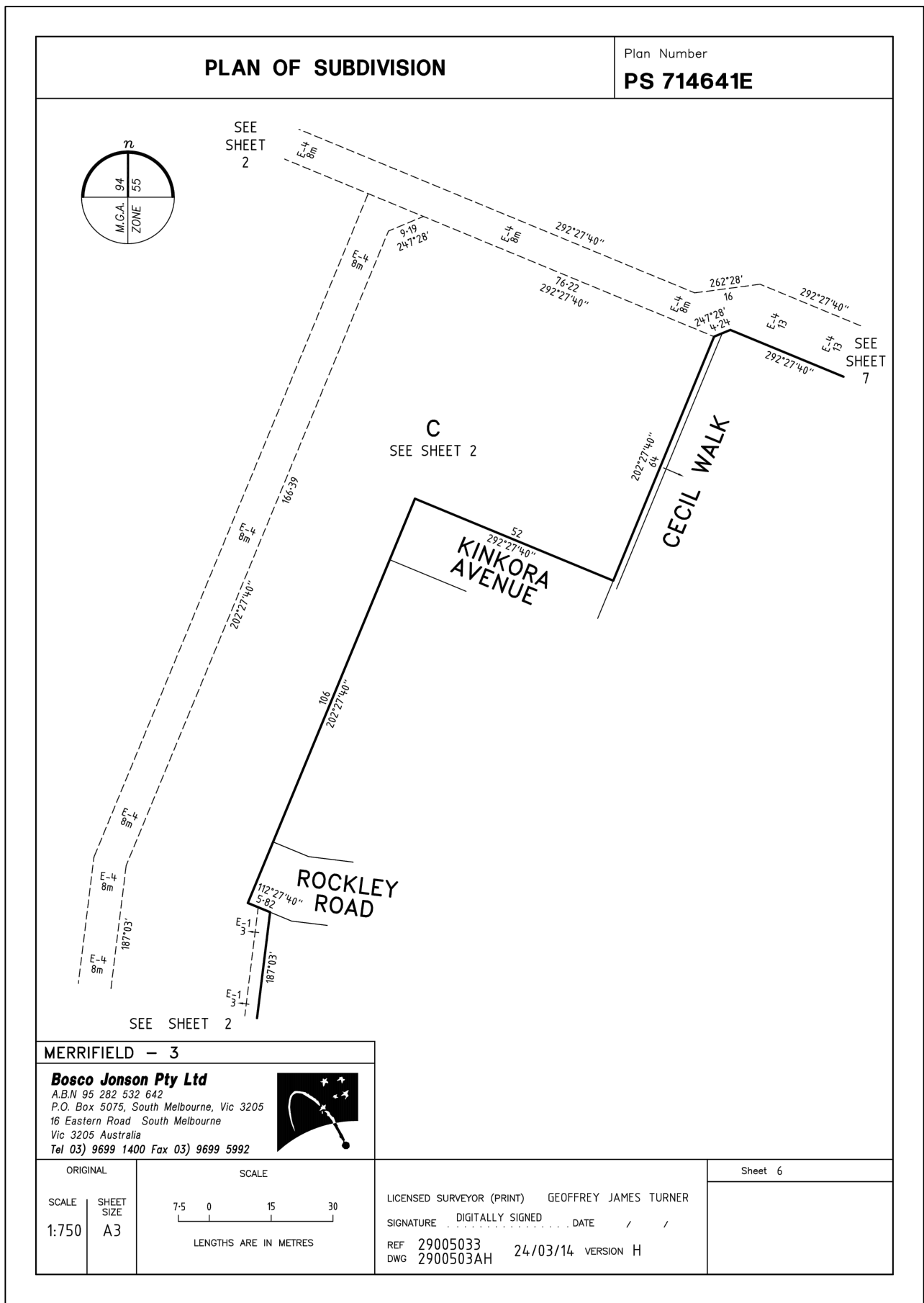
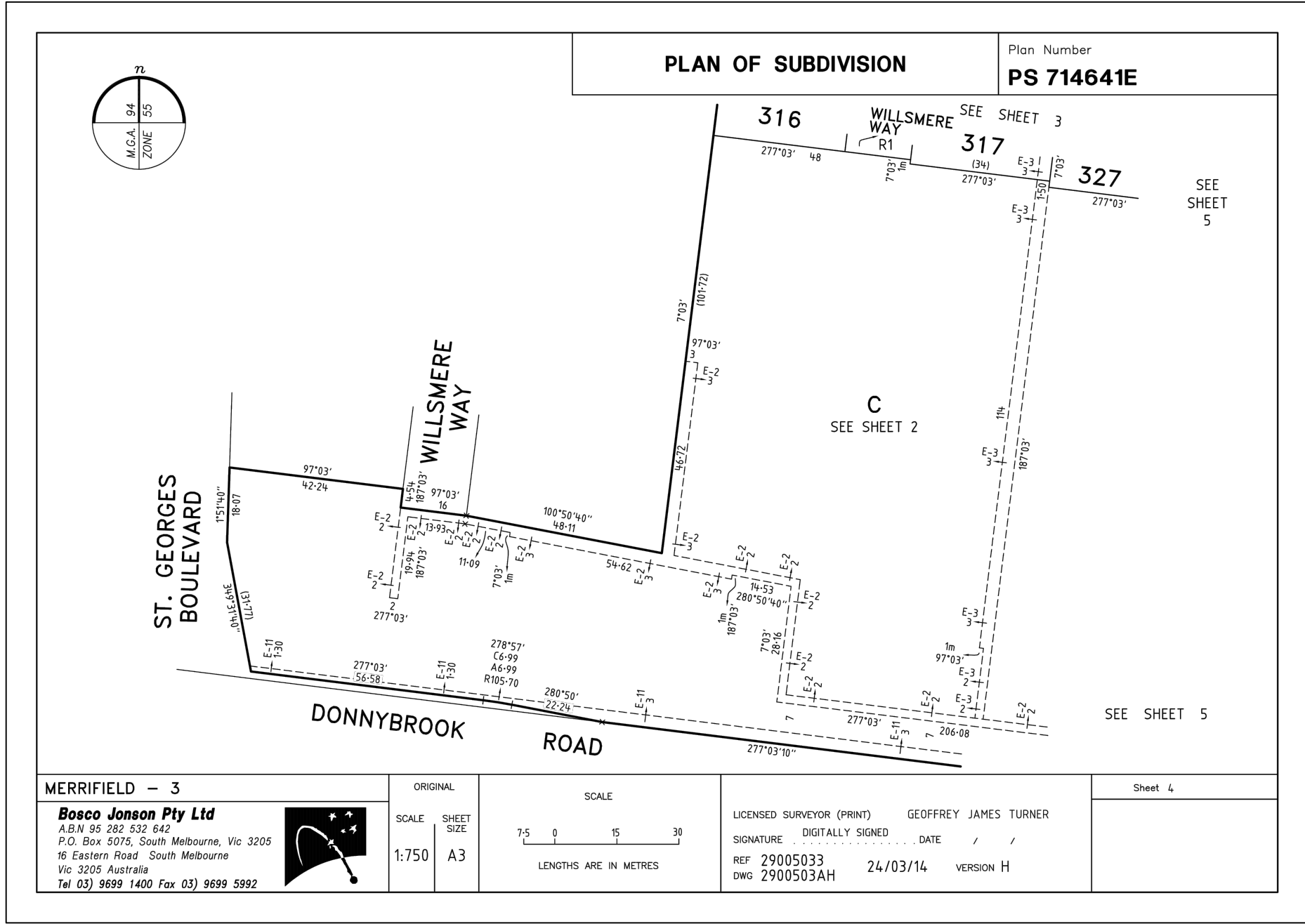
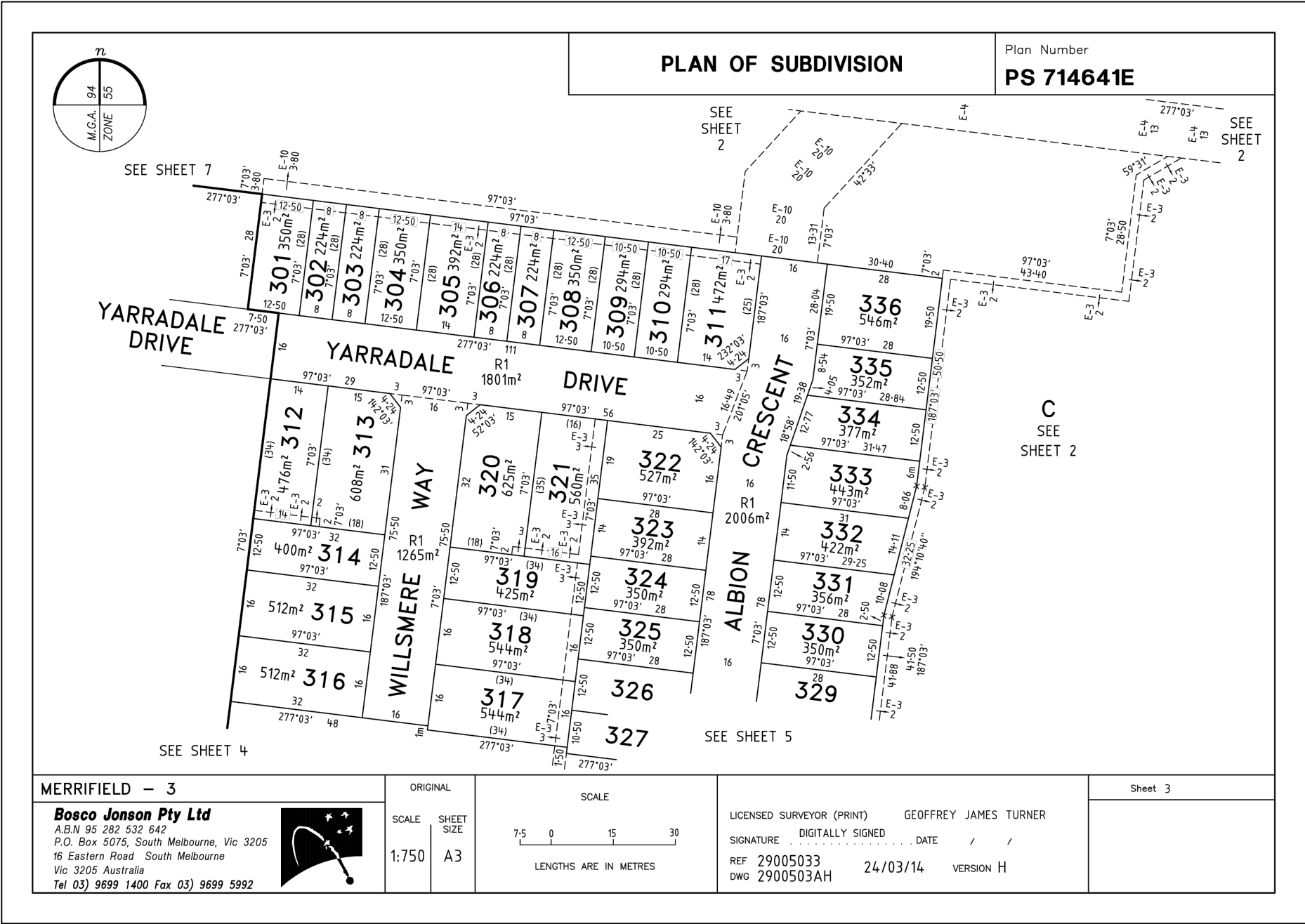
THE AREA MARKED THUS  ON THIS PLAN INDICATES FILL DEEPER THAN 200mm PLACED ON ALLOTMENTS.

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

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Date 04/02/2013
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Verified SL
Date 11/10/13
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Audited RCM
Date 12/03/14
AN 641865
Approved TL
Date 26/03/14
AN 882661
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 DEVELOPMENT
STAGE 3
DONNYBROOK ROAD, MICKLEHAM
PLAN OF SUBDIVISION

Coords: MGA
Levels: AHD

Scale @ A1/A3

Drawing No. 11721POS01 Rev 1
Sheet No. 15 **AS CONSTRUCTED**
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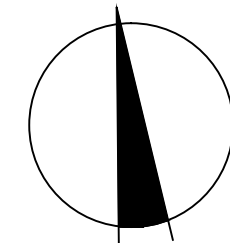
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REV	AMENDMENTS	DATE	APP'D.

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Designed LT Date 04/02/2013
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Verified SL Date 11/10/13
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Audited RCM Date 12/03/14
AN 641866
Approved TL Date 26/03/14
AN 882662
Written dimensions to take precedence over scale.
Contractor shall check and verify all dimensions on site.
Discrepancies to be brought to the attention of the Superintendent.

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



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

merrifield
MAB gpc

MERRIFIELD DEVELOPMENT
STAGE 3
DONNYBROOK ROAD, MICKLEHAM
EXISTING FEATURES PLAN

Drawing No. 11723EF01 Rev 1
Sheet No. 16 **AS CONSTRUCTED**
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