

MERRIFIELD DEVELOPMENT

STAGE 10

DONNYBROOK ROAD, MICKLEHAM

HUME CITY COUNCIL

FOR

merrifield



CIVIL DRAWINGS

ROAD AND DRAINAGE

AS CONSTRUCTED

DCE REF : 11730

Drawing File: G:\Design\11700\11730-MERRIFIELD - Prelim 1 - Stage 10\Local\10\11730TD01.dwg - 11730TD01
Date/Time: Fri Feb 26, 2016 - 10:00am --Robert Young--

HUME CITY COUNCIL GENERAL NOTES:

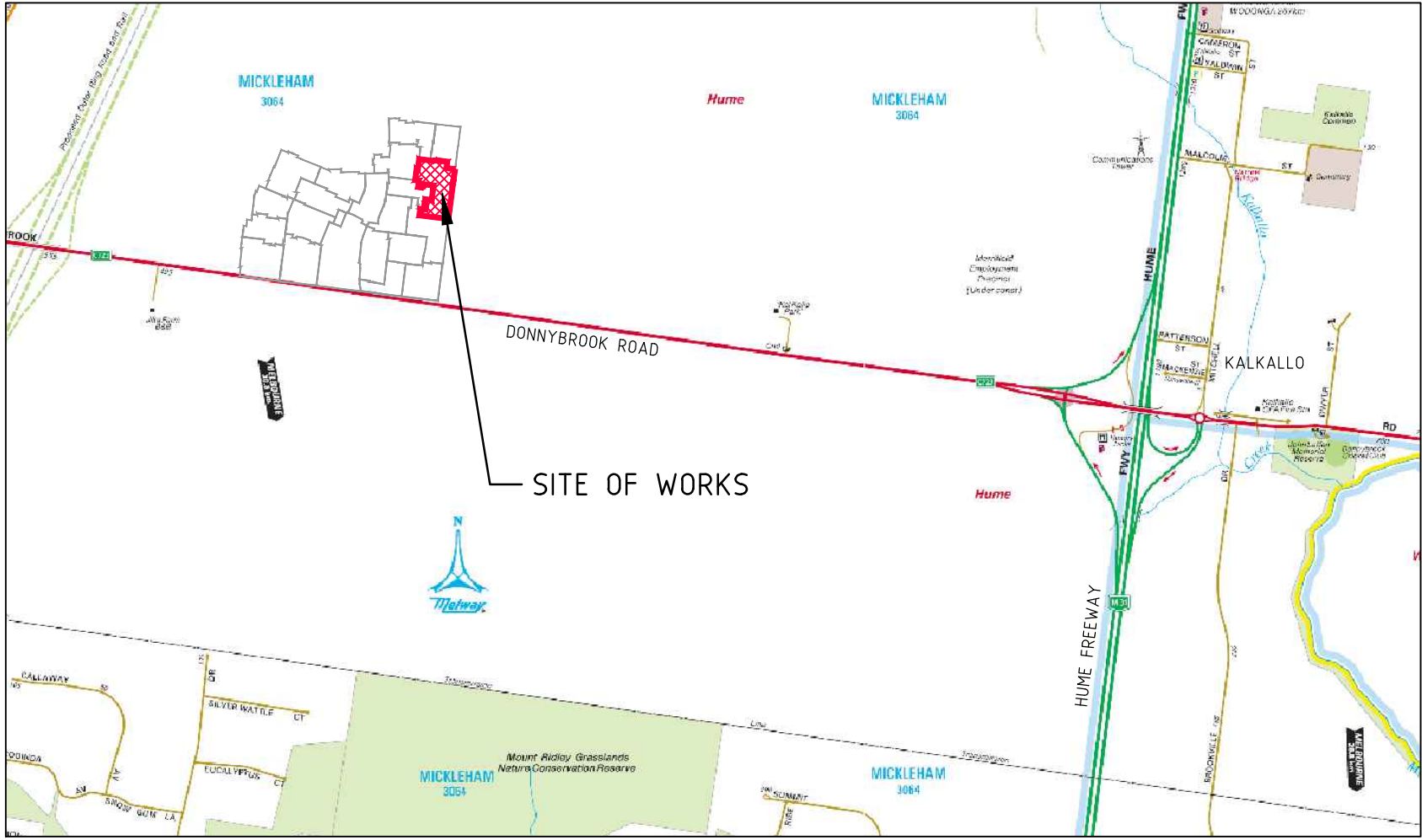
- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH AS4000 AMENDED GENERAL CONDITIONS OF CONTRACT, THE ROAD & DRAINAGE SPECIFICATION, APPROVED HUME CITY COUNCIL SPECIFICATION AND STANDARD DRAWINGS, AND TO THE SATISFACTION OF THE SUPERINTENDENT AND THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE.
- COUNCIL TO BE NOTIFIED SEVEN (7) CLEAR WORKING DAYS PRIOR TO THE COMMENCEMENT OF WORKS WITH A PRECOMMENCEMENT MEETING BEING HELD BETWEEN HUME CITY COUNCIL, THE CONSULTANT AND THE CONTRACTOR BEFORE WORKS COMMENCE. A SITE MANAGEMENT PLAN IS TO BE SUBMITTED PRIOR TO COMMENCEMENT OF WORKS AND PRIOR TO AN ONSITE PRECOMMENCEMENT MEETING.
- 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 2004, 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.
- 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.
- 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 METRES UNLESS NOTED OTHERWISE.
- ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (AHD).
- ALL COORDINATES ARE TO MAP GRID OF AUSTRALIA (MGA).
- THE CONTRACTOR MUST ARRANGE THE REQUISITE INSPECTIONS OF THE WORKS WITH THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE AS PER THE HOLD POINTS IN THE HUME CITY COUNCIL SPECIFICATIONS.
- 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 AS3798-2007 LEVEL 1 (OR 2) AS SPECIFIED.
- 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.
- 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.
- 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.
- 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.
- 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.
- ALL DISTURBED AREAS, ie. NATURESTRIPS, BATTERS, ALLOTMENTS AND RESERVES, ARE TO BE REINSTATED TO A CLEAN, TIDY CONDITION, TOP DRESSED 100MM LOAMY TOP SOIL FREE OF CLUMPS, SODS AND CLAY LUMPS) AND SOWN WITH GRASS SEED. SEED IS TO BE A DROUGHT TOLERANT COUCH/FESCUE MIX UNLESS OTHERWISE DETAILED. BLEND IS GENERALLY AS FOLLOWS:
40% DWARF TALL FESCUE - DROUGHT TOLERANT CULTIVARS
40% COUCH
20% HARD FESCUE

NOTE: GRASS IS TO BE ESTABLISHED PRIOR TO THE END OF THE MAINTENANCE PERIOD.
- 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 450MM LONG Y20 DOWEL BARS @ 600 CENTERS, UNLESS OTHERWISE SPECIFIED.
- ANY EXPOSED AGGREGATE CONCRETE WORKS TO BE ACHIEVED BY SAND-BLASTING ONLY. WASHING AGGREGATE OFF WITH WATER IS NOT PERMITTED.
- 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 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). INTERLOCKING/FLUSH JOINTS WITH EXTERNAL BANDS CAN ONLY BE USED ON PIPE SIZES OVER 750mm DIA.
- 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.
- ALL TREES AND SHRUBS ARE TO BE RETAINED UNLESS OTHERWISE SHOWN OR DIRECTED BY THE CHIEF EXECUTIVE OFFICER AND/OR THEIR 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 CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE.
- 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.
- 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.
- 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.
- 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.
- 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 TO THE SATISFACTION OF THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE.
- ALL TRAFFIC CONTROL MEASURES, SIGNS AND LINEMARKING SHALL BE IN ACCORDANCE WITH AS1742 - 1, 2 & 3. STREET NAME SIGNS ARE TO BE IN ACCORDANCE WITH STANDARD DRAWING SD408.
- 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.
- ALL SIGNS TO BE CLASS 1 HIGH INTENSITY TYPE AND COMPLY WITH THE REQUIREMENTS OF AS1743-2001.
- 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 MNUS F.C.R TO 150mm ABOVE TOP OF PIPE IN ALL LOCATIONS.
- 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.
- BLASTING GENERALLY IS NOT ENCOURAGED, HOWEVER BLASTING MAY BE REQUIRED AS A LAST RESORT DEPENDING ON GROUND CONDITIONS. COUNCIL IS TO BE NOTIFIED IN WRITING IF ANY BLASTING IS NECESSARY. RESIDENTS LIKELY TO BE AFFECTED BY THE BLASTING AND ALL SERVICE AUTHORITIES SHALL BE NOTIFIED IN WRITING PRIOR TO WORKS COMMENCING. COPIES OF THESE NOTIFICATIONS ARE TO BE SUBMITTED TO COUNCIL. RESIDENT NOTIFICATION LETTER IS TO INCLUDE BLASTING GUIDELINES, FIRING AND MISFIRE PROCEDURES AND CONTRACTORS AND CONSULTANT CONTACT NAMES AND NUMBERS. ALL BLASTING IS TO BE WITHIN THE LIMITS FOR AIR AND GROUND VIBRATION LEVELS AS SET DOWN IN AS1287.2-1993. ALL BLASTS SHALL BE MONITORED FOR AIR AND NOISE VIBRATION AT POTENTIALLY AFFECTED RESIDENCES. "FORM A" FROM AS1287.2-1993, AND WAVE TRACE COPIES ARE TO BE SUBMITTED TO COUNCIL FOR EACH BLAST. BLASTING IS TO BE RESTRICTED TO BETWEEN 9.00AM AND 3.30PM. BLASTING IS NOT TO OCCUR ON WEEKENDS OR PUBLIC HOLIDAYS. BLASTING AREA SIGNS ARE TO BE PLACED AT ALL ENTRANCES TO THE SITE.

GENERAL NOTES:

- 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 RADI ARE 8.60m UNLESS OTHERWISE SHOWN.
- 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.
- 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.
- 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.
- 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 TEMPORARY WARNING SIGNS USED DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH AS 1742-3.
- 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.
- 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 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.
- 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 (TGSI'S) TO BE INSTALLED. TGSI'S ARE TO COMPLY WITH AS1428.4



LOCALITY PLAN

MELWAY REF MAP: 366 D3,E4
NTS

DRAWING INDEX

SHEET NO.	DRAWING NO.	DESCRIPTION
01	11730TD01	LOCALITY PLAN, INDEX AND NOTES
02	11730TD02	TYPICAL SECTIONS AND DETAILS
03	11730SP01	STAGING PLAN
04	11730DP01	DETAIL PLAN
05-06	11730SOP01-02	SETOUT DETAILS - SHEETS 01 TO 02
07-09	11730ID01-03	INTERSECTION DETAILS - SHEETS 01 TO 03
10-12	11730LS01-03	LONGITUDINAL SECTIONS - SHEETS 01 TO 03
13-19	11730XS01-07	CROSS SECTIONS - SHEETS 01 TO 07
20	117300ED01	OPEN EARTH DRAIN PLAN
21-22	11730DR01-02	DRAINAGE LONGITUDINAL SECTIONS - SHEETS 01 TO 02
23	11730DR03	DRAINAGE PIT SCHEDULE
24	11730POS01	PLAN OF SUBDIVISION
25	1173FP01	FILL PLAN
26	11730EW01	EARTHWORKS PLAN
27	11730EF01	EXISTING FEATURES

REV	AMENDMENTS	DATE	APP'D.
2	AS CONSTRUCTED	26/02/16	TL
1	RE-ISSUE FOR CONSTRUCTION	09/11/15	TL
0	ISSUE FOR CONSTRUCTION	29/10/15	TL

Drawn K.PAGE
Date 24/02/15
AN 1511003
Designed N.MIRATANA
Date 23/02/15
AN 1541061
Verified B.GORDON
Date 26/03/15
AN 162158
Audited S.LEA
Date 01/10/15
AN 1061932
Approved T.LIAKOPOULOS
Date 09/11/15
AN 884709

AS CONSTRUCTED

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

MERRIFIELD DEVELOPMENT
DANNYBROOK ROAD, MICKLEHAM
STAGE 10
LOCALITY PLAN, INDEX AND NOTES

Drawing No. 11730TD01 Rev 2
Sheet No. 01 AS CONSTRUCTED
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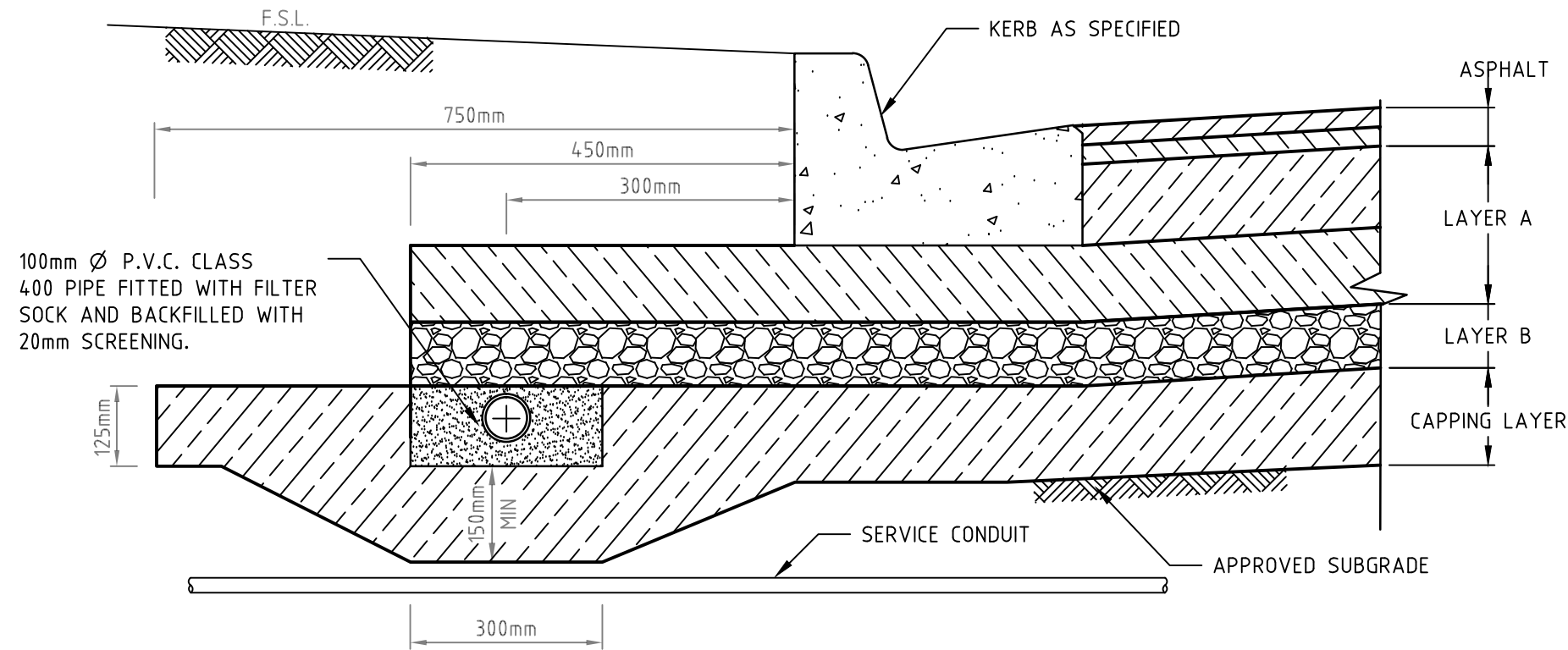
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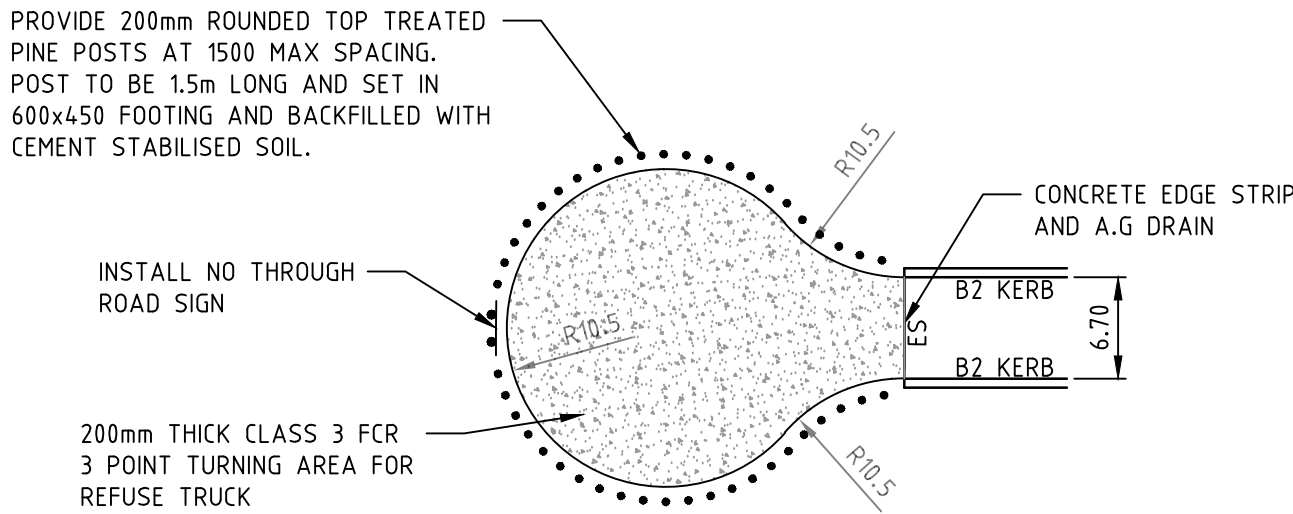
PAVEMENT DETAILS

	ACCESS STREETS BEDFORD WAY, FENWICK PARADE, HIGHFIELD DRIVE, AND VAUTIER AVENUE
ASPHALT	WEARING COURSE 30mm SIZE 10mm TYPE N ASPHALT BASE COURSE 30mm SIZE 10 TYPE N ASPHALT INTERLAYER 10mm SAMI TREATMENT PRIME OR PRIMERSEAL
LAYER A	BASE COURSE 130mm SIZE 20mm CLASS 2 CRUSHED ROCK
LAYER B	UPPER SUBBASE: 120mm SIZE 20 CLASS 3 CRUSHED ROCK
CAPPING LAYER	LOWER SUBBASE: 100mm SIZE 20 CLASS 4 CRUSHED ROCK
DEPTH TOTAL	CAPPING 150mm REFER SECTION 7.4 OF REPORT
SUBGRADE	SUBGRADE CBR ≥ 2%

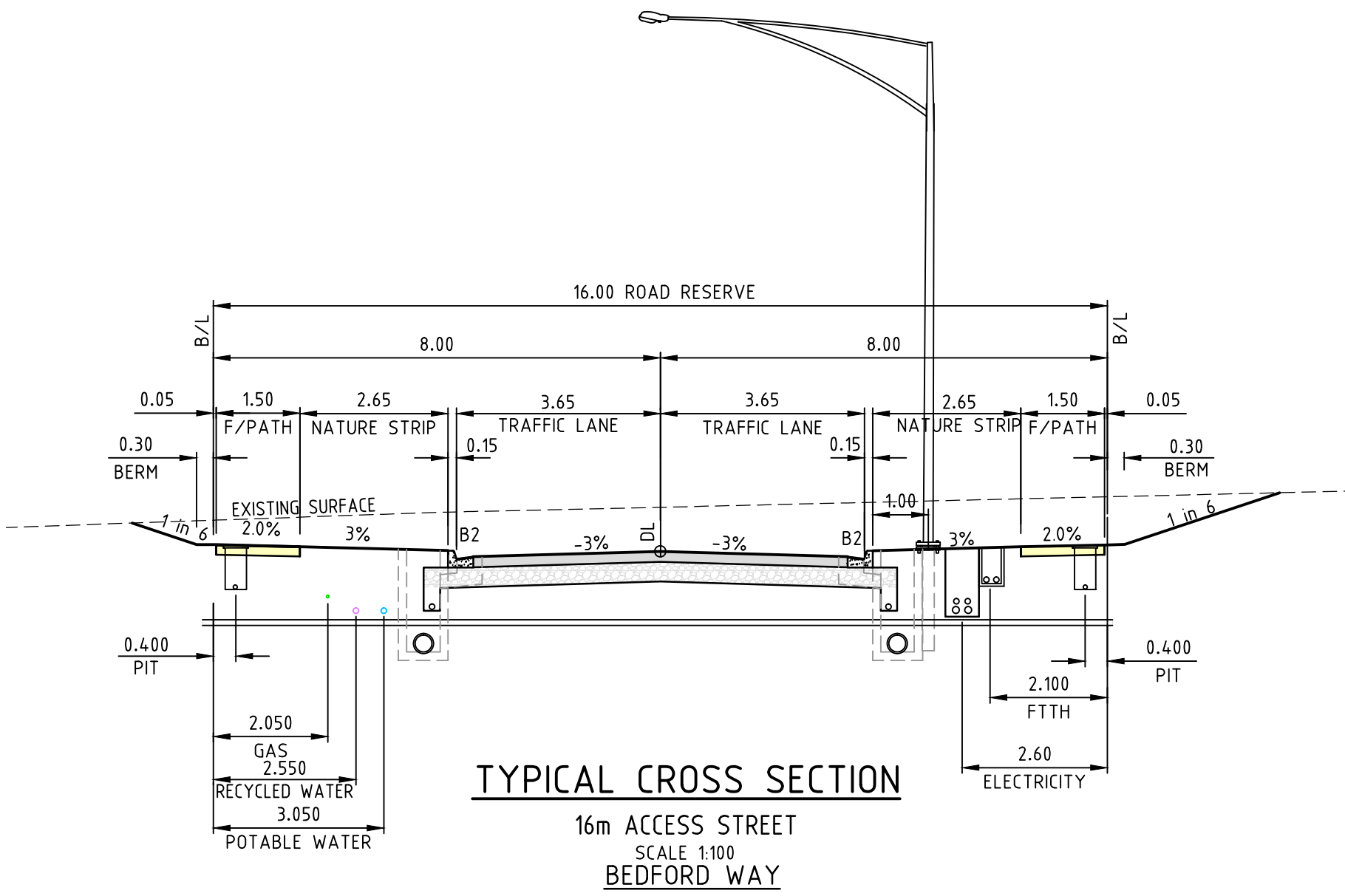
REFER TO GOLDER ASSOCIATE'S GEOTECHNICAL
REPORT NUMBER 127612078-001-R-REV0
DATED 18/01/2013



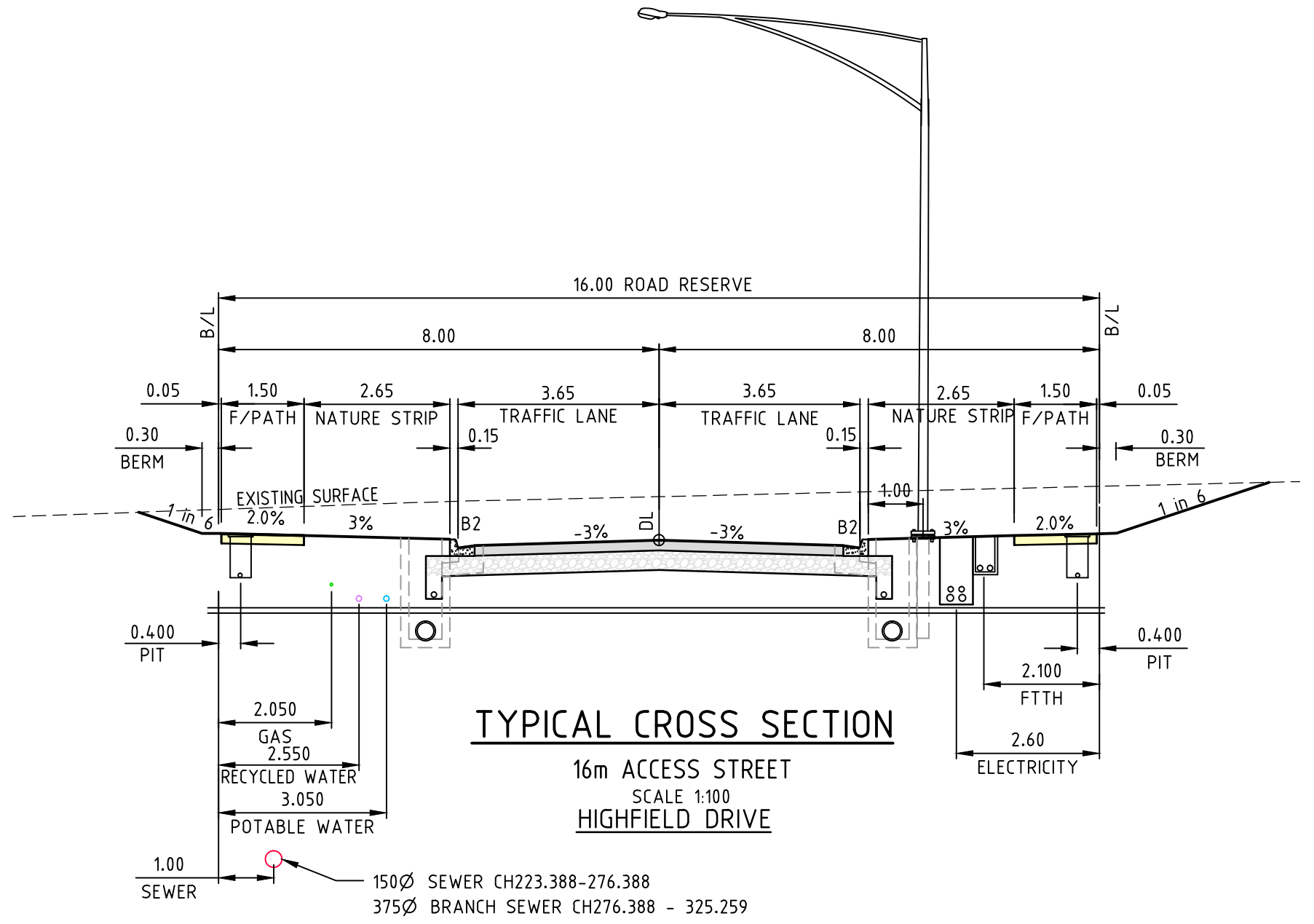
TYPICAL PAVEMENT DETAIL
ACCESS STREETS / PLACES & LANES
SCALE 1:10



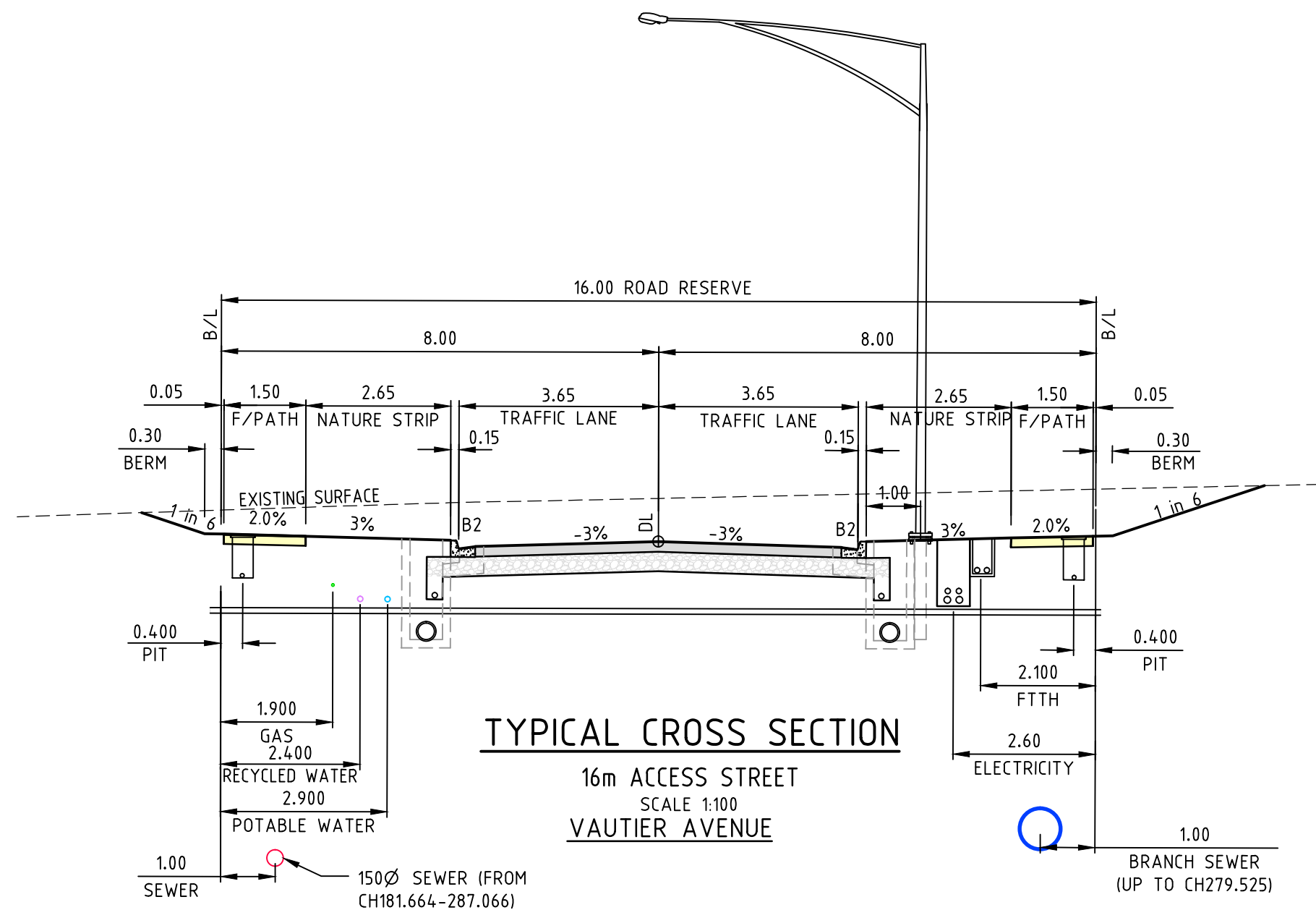
TEMPORARY TURNING AREA DETAIL
SCALE 1:500



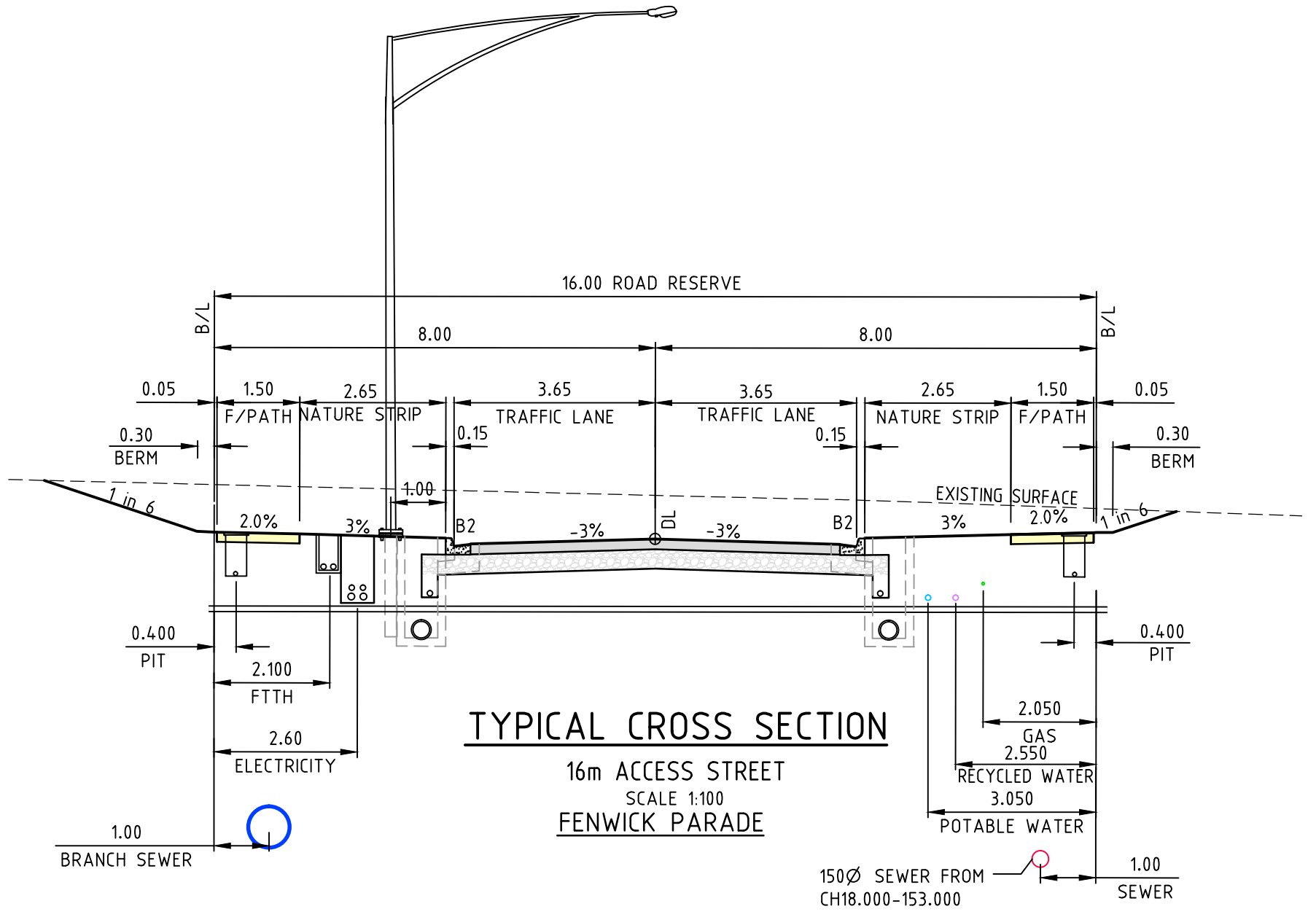
TYPICAL CROSS SECTION
16m ACCESS STREET
SCALE 1:100
BEDFORD WAY



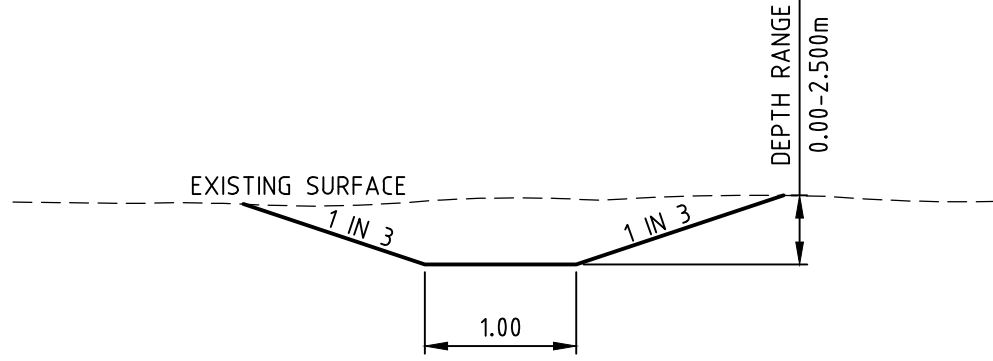
TYPICAL CROSS SECTION
16m ACCESS STREET
SCALE 1:100
HIGHFIELD DRIVE



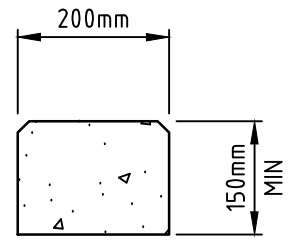
TYPICAL CROSS SECTION
16m ACCESS STREET
SCALE 1:100
VAUTIER AVENUE



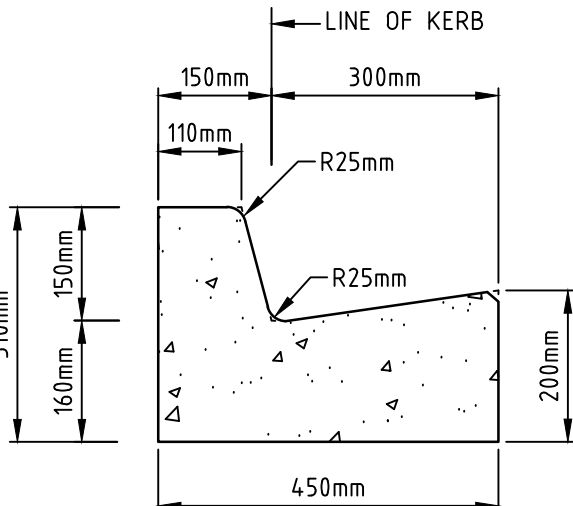
TYPICAL CROSS SECTION
16m ACCESS STREET
SCALE 1:100
FENWICK PARADE



TEMPORARY OPEN EARTH DRAIN
SCALE 1:50



EDGE STRIP
SCALE 1:10



B2 KERB & CHANNEL
SCALE 1:10

AS CONSTRUCTED

3	AS CONSTRUCTED	26/02/16	TL
2	B2 KERB DETAIL AMEDNED	02/12/15	TL
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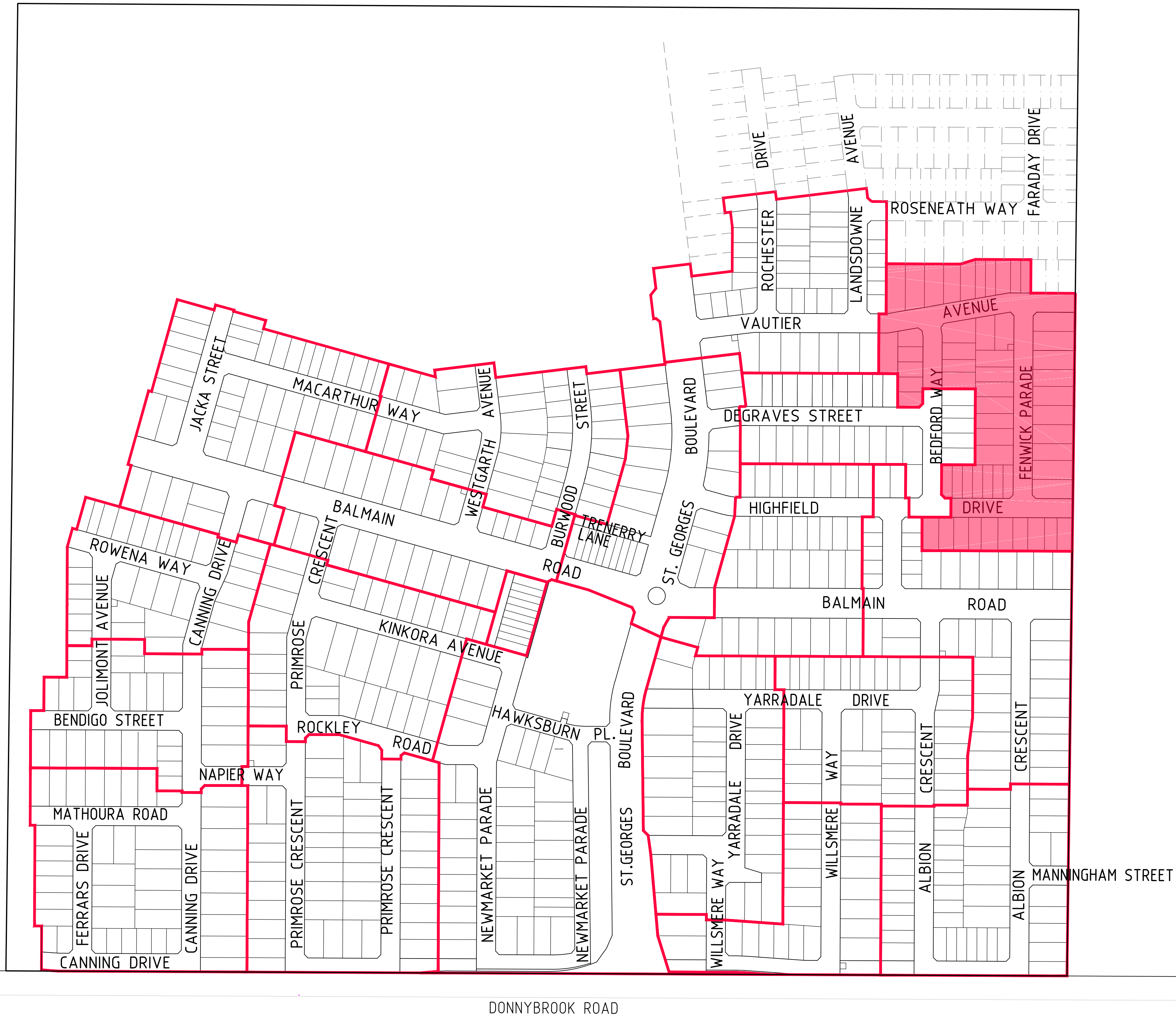
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merrifield
MAB gpc
Coords: MGA
Levels: AHD
Scale @ A1/A3 NTS

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 10
TYPICAL SECTIONS AND DETAILS
Drawing No. 11730TD02 Rev 3
Sheet No. 02 AS CONSTRUCTED
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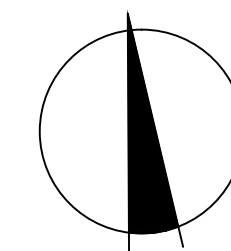


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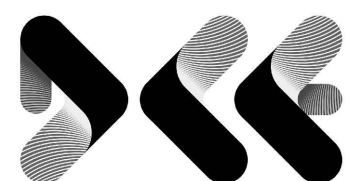


merrifield
MAB gpc

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 10
STAGING PLAN

Drawing No. 11730SP01 Rev 2
Sheet No. 03 AS CONSTRUCTED
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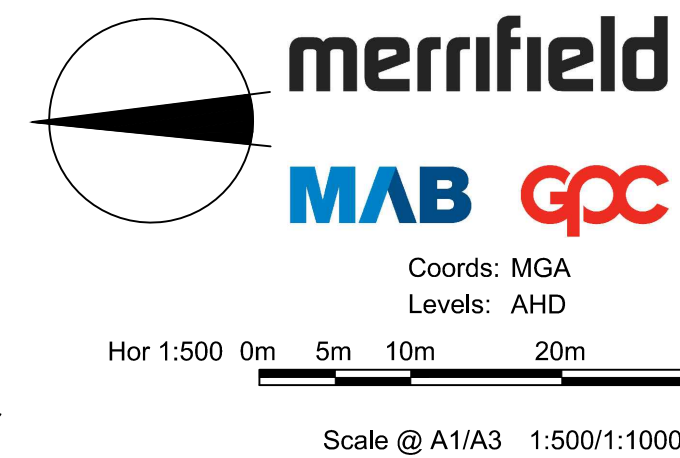
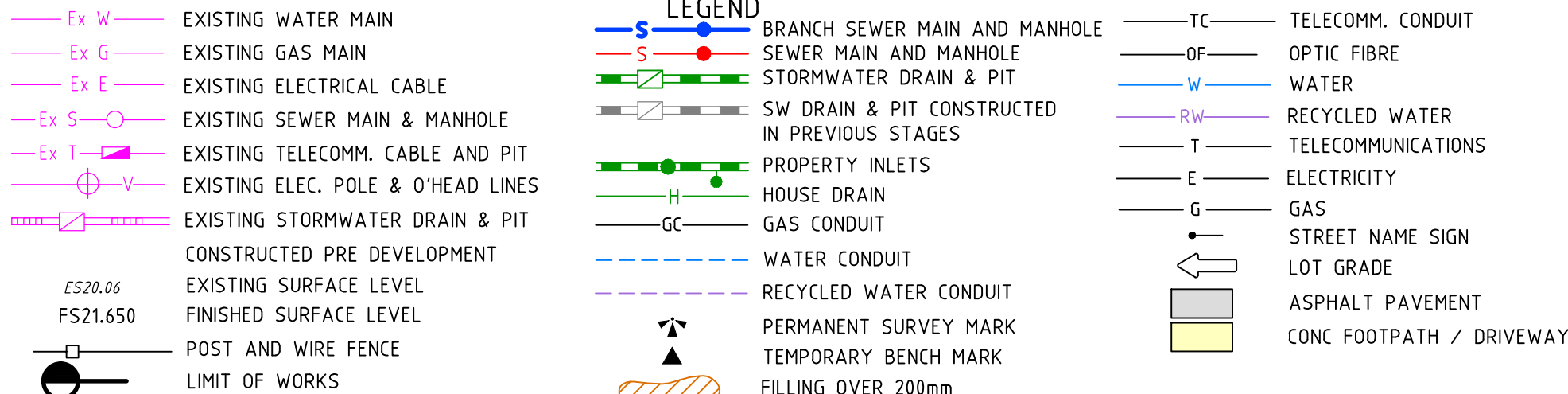
WARNING
NO DRAINAGE WORKS SHALL COMMENCE UNTIL THE CONTRACTOR CONFIRMS THE I.L. OF ALL EXISTING DRAINS, AND CONFIRMS IN WRITING WITH THE ENGINEERING SUPERVISOR.



STREET NAME	WATER	ND-WATER	GAS	NBN	ELEC.	POLES	BOK
VAUTIER AVENUE	2.90 N	2.40 N	1.90 N	1.90 S	2.60 S	-	4.20
FENWICK PARADE	3.05 E	2.55 E	2.05 E	1.80 W	2.60 W	-	4.20
HIGHFIELD DRIVE	3.05 N	2.55 N	2.05 N	1.85 S	2.60 S	-	4.20
BEDFORD WAY	3.05 W	2.55 W	2.05 W	2.10 E	2.60 E	-	4.20

Drawn K.PAGE
Date 24/02/15
AN 1511003
Designed N.MIRATANA
Date 23/02/15
AN 1541064
Verified B.GORDON
Date 26/03/15
AN 162161
Audited S.LEA
Date 01/10/15
AN 1061935
Approved T.LIAKOPOULOS
Date 09/11/15
AN 884712

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.

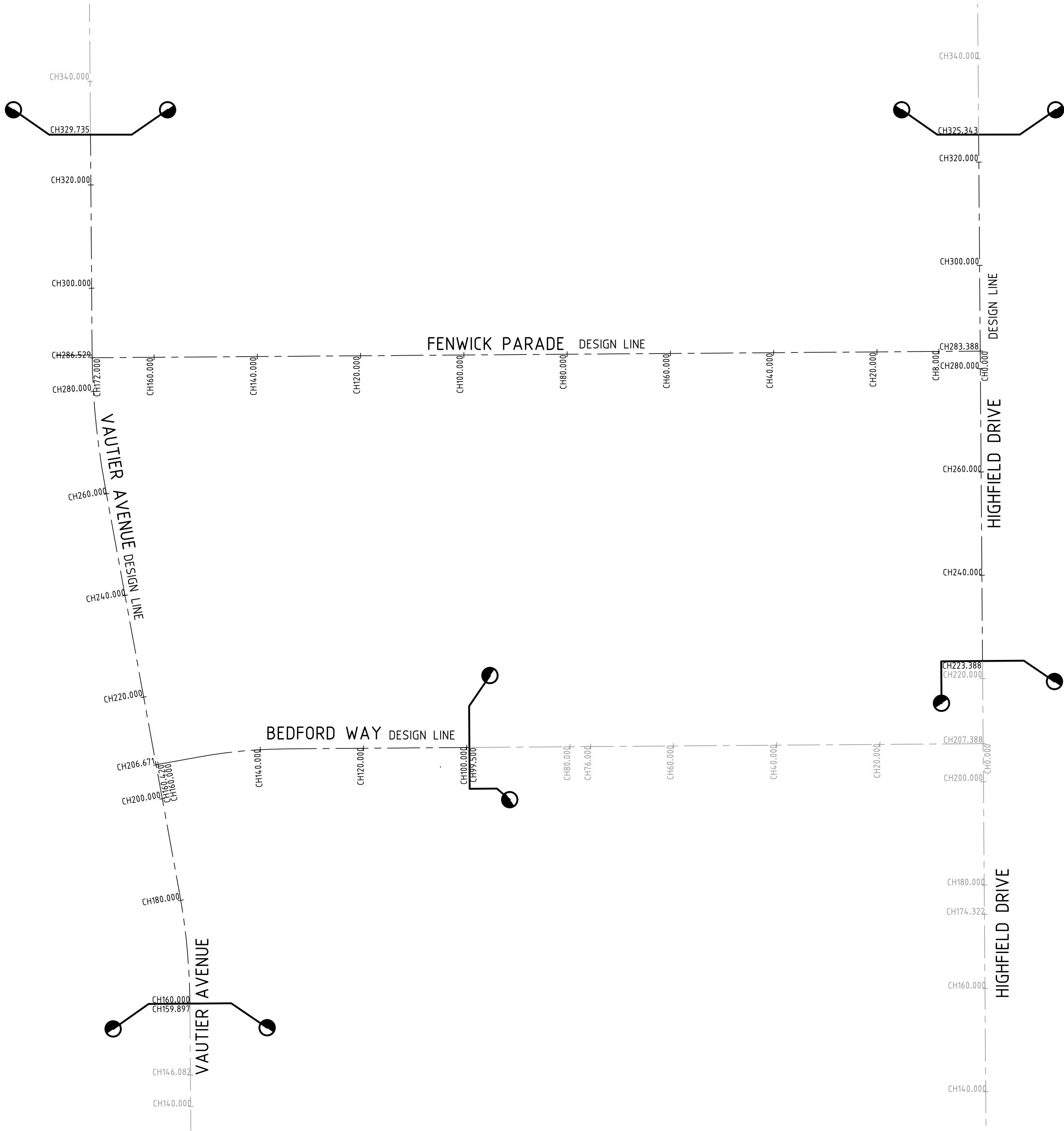


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Drawing File: G:\DesignData\11700\11730-MERRIFIELD - Prelim 1 - Stage 10\Acad\RD\11730SOP01.dwg - 11730SOP01
Date/Time: Fri Feb 26, 2016 - 10:01 am --Robert Young--

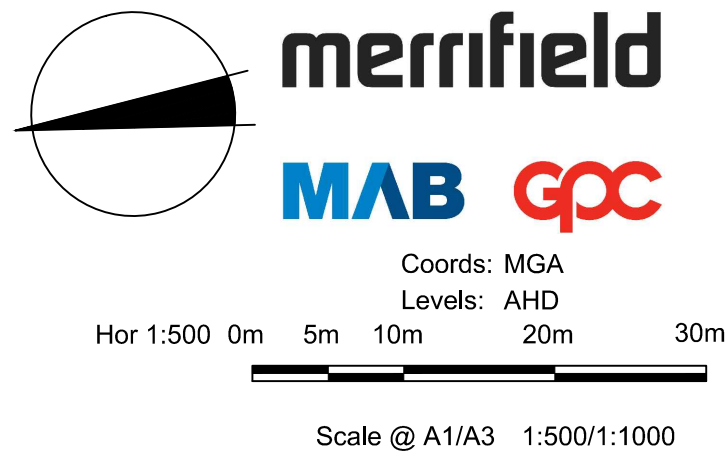


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REV	AMENDMENTS	DATE	APP'D.
2	AS CONSTRUCTED	26/02/16	TL
1	RE-ISSUE FOR CONSTRUCTION	09/11/15	TL
0	ISSUE FOR CONSTRUCTION	29/10/15	TL

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Date 24/02/15
AN 1511003
Designed N.MIRATANA
Date 23/02/15
AN 1541065
Verified B.GORDON
Date 26/03/15
AN 162162
Audited S.LEA
Date 01/10/15
AN 1061936
Approved T.LIAKOPOULOS
Date 09/11/15
AN 884713

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
DONNYBROOK ROAD, MICKLEHAM
STAGE 10
SET OUT DETAILS
SHEET 01 OF 02
Drawing No. 11730SOP01 Rev 2
Sheet No. 05 **AS CONSTRUCTED**
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Date/Time: Fri Feb 26, 2016 - 10:01 am --Robert Young--

HORIZONTAL ALIGNMENT REPORT FOR HIGHFIELD DRIVE DESIGN LINE

POINT TYPE	CHAINAGE	COORDINATES		BEARING	RADIUS
		EASTINGS	NORTHINGS		
STRAIGHT (START ALN)	0.000	315041.450	5844043.825	245.218 112°27'34.26"	
STRAIGHT	20.000	315059.933	5844036.185	244.988 112°27'34.26"	
TANGENT-CURVE	33.408	315072.325	5844031.062	244.831 112°27'34.26"	
CURVE	35.000	315073.807	5844030.482	244.806 110°17'16.90"	-41.999
CURVE	40.000	315078.589	5844029.032	244.724 103°28'00.98"	-41.999
CURVE-TANGENT	44.685	315083.196	5844028.197	244.647 97°04'32.98"	-41.999
STRAIGHT	60.000	315098.395	5844026.316	244.397 97°03'10.00"	
STRAIGHT	80.000	315118.244	5844023.861	244.070 97°03'10.00"	
STRAIGHT	100.000	315138.093	5844021.405	243.746 97°03'10.00"	
STRAIGHT	120.000	315157.941	5844018.949	243.531 97°03'10.00"	
STRAIGHT	140.000	315177.790	5844016.494	243.369 97°03'10.00"	
STRAIGHT	160.000	315197.639	5844014.038	243.206 97°03'10.00"	
STRAIGHT	180.000	315217.487	5844011.582	243.026 97°03'10.00"	
STRAIGHT	200.000	315237.336	5844009.127	242.803 97°03'10.00"	
STRAIGHT	220.000	315257.185	5844006.671	242.564 97°03'10.00"	
STRAIGHT	223.388	315260.547	5844006.255	242.522 97°03'10.00"	
STRAIGHT	240.000	315277.093	5844004.215	242.306 97°03'10.00"	
STRAIGHT	260.000	315296.882	5844001.760	242.045 97°03'10.00"	
STRAIGHT	280.000	315316.731	5843999.304	241.784 97°03'10.00"	
STRAIGHT	300.000	315336.579	5843996.848	241.523 97°03'10.00"	
STRAIGHT	320.000	315356.428	5843994.393	241.262 97°03'10.00"	
STRAIGHT	325.343	315361.706	5843993.739	241.192 97°03'10.00"	
STRAIGHT	340.000	315376.277	5843991.937	241.001 97°03'10.00"	
STRAIGHT	360.000	315396.125	5843989.481	240.740 97°03'10.00"	
STRAIGHT	380.000	315415.974	5843987.026	240.478 97°03'10.00"	
STRAIGHT	400.000	315435.823	5843984.570	240.217 97°03'10.00"	
STRAIGHT	420.000	315455.671	5843982.114	239.956 97°03'10.00"	
STRAIGHT (END ALN)	426.000	315461.626	5843981.377	239.878 97°03'10.00"	

HORIZONTAL ALIGNMENT REPORT FOR VAUTIER AVENUE DESIGN LINE

POINT TYPE	CHAINAGE	COORDINATES		RL	BEARING DEG MIN SEC	RADIUS
		EASTINGS	NORTHINGS			
STRAIGHT (START ALN)	0.000	315055.620	5844179.329	244.081 89°54'03.20"		
STRAIGHT	20.000	315075.620	5844179.364	243.858 89°54'03.20"		
STRAIGHT	40.000	315095.620	5844179.398	243.695 89°54'03.20"		
TANGENT-CURVE	56.289	315111.909	5844179.427	243.544 89°54'03.20"		
CURVE	60.000	315115.616	5844179.295	243.510 94°09'11.29"	50.000	
CURVE-TANGENT	62.530	315118.134	5844179.048	243.486 97°03'10.00"	50.000	
STRAIGHT	80.000	315135.472	5844176.903	243.325 97°03'10.00"		
STRAIGHT	100.000	315155.321	5844174.448	243.140 97°03'10.00"		
STRAIGHT	120.000	315175.169	5844171.992	242.955 97°03'10.00"		
STRAIGHT	140.000	315195.018	5844169.536	242.771 97°03'10.00"		
TANGENT-CURVE	159.897	315214.764	5844167.093	242.587 97°03'10.00"		
CURVE	160.000	315214.867	5844167.081	242.586 97°00'20.31"	-125.000	
CURVE	170.000	315224.830	5844166.259	242.494 92°25'19.12"	-125.000	
CURVE	180.000	315234.827	5844166.236	242.401 87°50'17.94"	-125.000	
CURVE-TANGENT	181.605	315236.431	5844166.307	242.393 87°06'09.86"	-125.000	
STRAIGHT	200.000	315254.802	5844167.237	242.301 87°06'09.86"		
STRAIGHT	220.000	315274.777	5844168.248	242.201 87°06'09.86"		
STRAIGHT	240.000	315294.751	5844169.259	242.021 87°06'09.86"		
STRAIGHT	260.000	315314.726	5844170.270	241.707 87°06'09.86"		
TANGENT-CURVE	261.839	315316.562	5844170.363	241.673 87°06'09.86"		
CURVE	270.000	315324.720	5844170.553	241.522 90°13'11.66"	150.000	
CURVE	280.000	315334.711	5844170.182	241.337 94°02'22.64"	150.000	
CURVE-TANGENT	287.888	315342.562	5844169.419	241.191 97°03'10.00"	150.000	
STRAIGHT	300.000	315354.582	5844167.932	240.967 97°03'10.00"		
STRAIGHT	320.000	315374.430	5844165.477	240.597 97°03'10.00"		
STRAIGHT	329.735	315384.091	5844164.281	250.417 97°03'10.00"		
STRAIGHT	340.000	315394.279	5844163.021	240.224 97°03'10.00"		
STRAIGHT	360.000	315414.128	5844160.565	239.849 97°03'10.00"		
STRAIGHT	380.000	315433.976	5844158.110	239.474 97°03'10.00"		
STRAIGHT	400.000	315453.825	5844155.654	239.099 97°03'10.00"		
STRAIGHT	420.000	315473.674	5844153.198	238.724 97°03'10.00"		
STRAIGHT (END ALN)	429.675	315483.276	5844152.010	238.543 97°03'10.00"		

HORIZONTAL ALIGNMENT REPORT FOR FENWICK PARADE DESIGN LINE

POINT TYPE	CHAINAGE	COORDINATES		RL	BEARING DEG MIN SEC	RADIUS
		EASTINGS	NORTHINGS			
STRAIGHT (START ALN)	0.000	315320.093	5843998.888	241.732 7°03'10.00"		
STRAIGHT	20.000	315322.549	5844018.737	241.699 7°03'10.00"		
STRAIGHT	40.000	315325.005	5844038.585	241.754 7°03'10.00"		
STRAIGHT	60.000	315327.460	5844058.434	241.654 7°03'10.00"		
STRAIGHT	80.000	315329.916	5844078.283	241.554 7°03'10.00"		
STRAIGHT	100.000	315332.372	5844098.131	241.454 7°03'10.00"		
STRAIGHT	120.000	315334.827	5844117.980	241.354 7°03'10.00"		
STRAIGHT	140.000	315337.283	5844137.829	241.254 7°03'10.00"		
STRAIGHT	160.000	315339.739	5844157.677	241.154 7°03'10.00"		
STRAIGHT (END ALN)	172.000	315341.212	5844169.586	241.227 7°03'10.00"		

HORIZONTAL ALIGNMENT REPORT FOR BEDFORD WAY DESIGN LINE

POINT TYPE	CHAINAGE	COORDINATES		RL	BEARING DEG MIN SEC	RADIUS
		EASTINGS	NORTHINGS			
STRAIGHT (START ALN)	0.000	315244.668	5844008.219	242.720 7°03'10.00"		
STRAIGHT	20.000	315247.124	5844028.068	242.687 7°03'10.00"		
STRAIGHT	40.000	315249.580	5844047.917	242.787 7°03'10.00"		
STRAIGHT	60.000	315252.035	5844067.765	242.868 7°03'10.00"		
STRAIGHT	80.000	315254.491	5844087.614	242.787 7°03'10.00"		
STRAIGHT	99.500	315256.885	5844106.967	242.603 7°03'10.00"		
STRAIGHT	100.000	315256.947	5844107.463	242.599 7°03'10.00"		
STRAIGHT	120.000	315259.402	5844127.311	242.410 7°03'10.00"		
TANGENT-CURVE	134.991	315261.243	5844142.189	242.269 7°03'10.00"		
CURVE	140.000	315261.733	5844147.173	242.237 4°10'59.14"	-100.000	
CURVE	146.667	315261.998	5844153.834	242.204 0°21'48.16"	-100.000	
CURVE-TANGENT	152.358	315261.872	5844159.522	242.175 357°06'09.86"	-100.000	
STRAIGHT	160.000	315261.486	5844167.155	242.255 357°06'09.86"		
STRAIGHT (END ALN)	160.420	315261.464	5844167.574	242.268 357°06'09.86"		

AS CONSTRUCTED

Drawn K.PAGE
Date 24/02/15
AN 1511003
Designed N.MIRATANA
Date 23/02/15
AN 1541066
Verified B.GORDON
Date 26/03/15
AN 162163
Audited S.LEA
Date 01/10/15
AN 1061937
Approved T.LIAKOPOULOS
Date 09/11/15
AN 884714

REV	AMENDMENTS	DATE	APP'D.
2	AS CONSTRUCTED	26/02/16	TL
1	RE-ISSUE FOR CONSTRUCTION	09/11/15	TL
0	ISSUE FOR CONSTRUCTION	29/10/15	TL

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Scale @ A1/A3

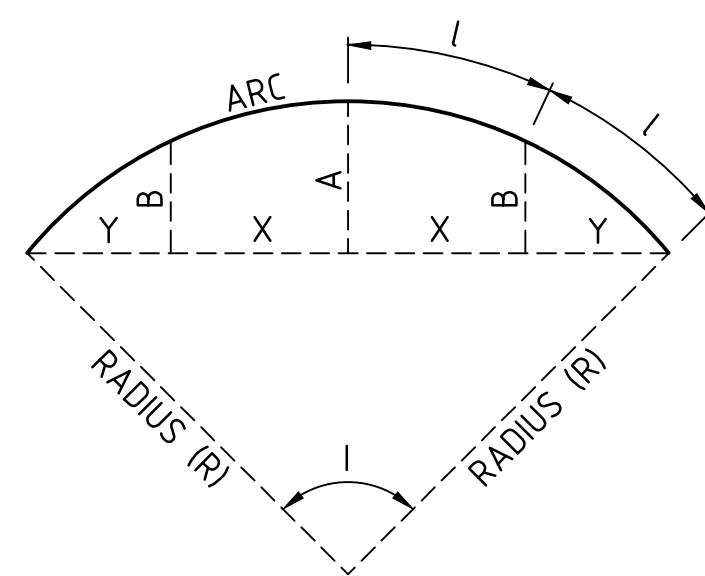
MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 10
SET OUT DETAILS
SHEET 02 OF 02
Drawing No. 11730SOP02 Rev 2
Sheet No. 06 AS CONSTRUCTED
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SIGN	TYPE
 STREET NAME SIGN	

SIGNAGE LEGEND



LIP SETOUT DETAIL
N.T.S

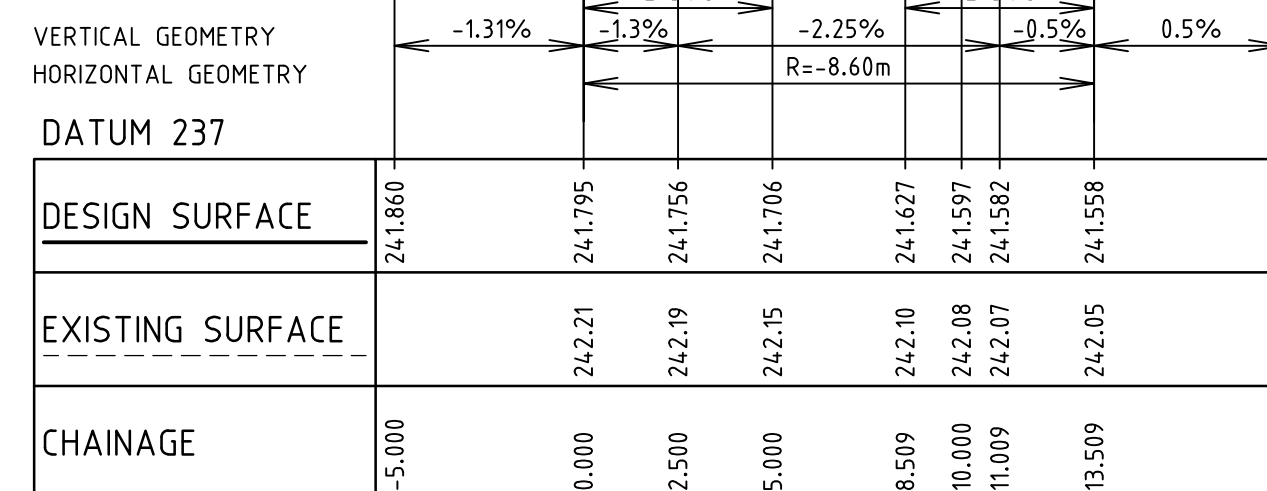
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POINT NO	EASTING	NORTHING	RL
A1	315308.645	5844003.680	241.795
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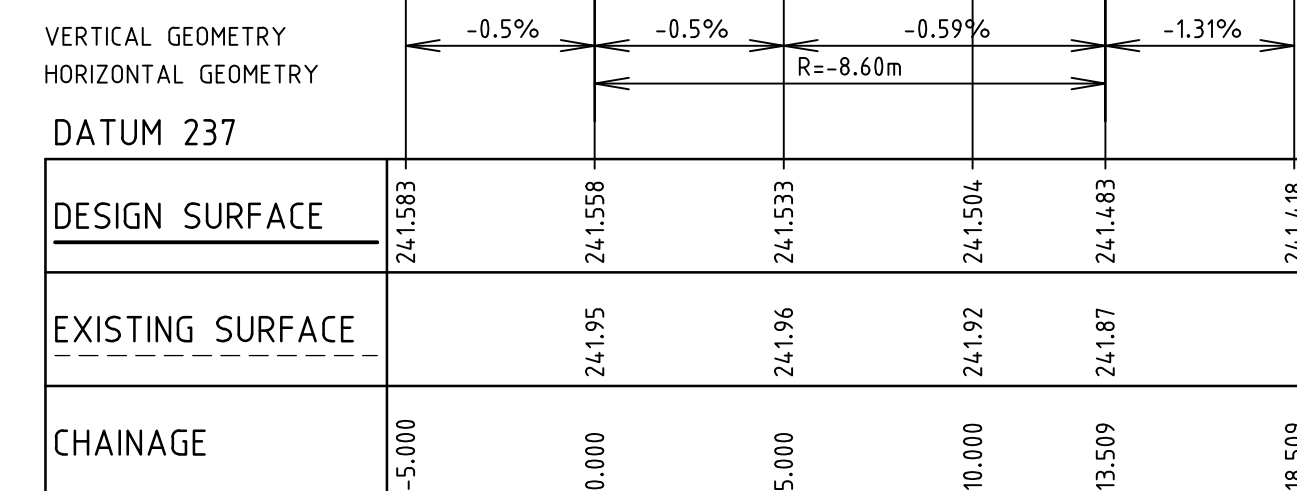
ALIGNMENT B

POINT NO	EASTING	NORTHING	RL
B1	315324.885	5844010.336	241.558
B2	315332.364	5844000.745	241.483

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	241.523



LIP PROFILE A
SCALES HORZ. 1:200, VERT. 1:20



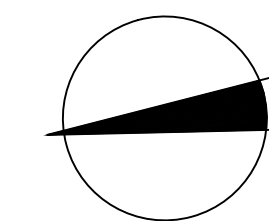
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 SCALES HORZ. 1:200, VERT. 1:20

2	AS CONSTRUCTED	26/02/16	TL
1	RE-ISSUE FOR CONSTRUCTION	09/11/15	TL
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REV	AMENDMENTS	DATE	APP'D.

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Designed N.MIRATANA
Date 23/02/15
AN 1541067
Verified B.GORDON
Date 26/03/15
AN 162164
Audited S.LEA
Date 01/10/15
AN 1061938
Approved T.LIAKOPOULOS
Date 09/11/15
AN 884715

- | | | |
|---|----------|------------------------------------|
|  | — Ex W — | EXISTING WATER MAIN |
|  | — Ex G — | EXISTING GAS MAIN |
|  | — Ex E — | EXISTING ELECTRICAL CABLE |
|  | — Ex S — | EXISTING SEWER MAIN & MANHOLE |
|  | — Ex T — | EXISTING TELECOMM. CABLE AND PIT |
|  | — Ex V — | EXISTING ELEC. POLE & O'HEAD LINES |
|  | — Ex D — | EXISTING STORMWATER DRAIN & PIT |
|  | — Ex P — | EXISTING SURFACE LEVEL |
|  | — Ex F — | FINISHED SURFACE LEVEL |
|  | — W — | POST AND WIRE FENCE |
|  | — L — | LIMIT OF WORKS |

- | | | | |
|---|--|---|--------------------|
|  | BRANCH SEWER MAIN AND MANHOLE |  | TELECOMM. CONDUIT |
|  | SEWER MAIN AND MANHOLE |  | OPTIC FIBRE |
|  | STORMWATER DRAIN & PIT |  | WATER |
|  | SW DRAIN & PIT CONSTRUCTED
IN PREVIOUS STAGES |  | RECYCLED WATER |
|  | PROPERTY INLETS |  | TELECOMMUNICATIONS |
|  | HOUSE DRAIN |  | ELECTRICITY |
|  | GAS CONDUIT |  | GAS |
|  | WATER CONDUIT |  | STREET NAME SIGN |
|  | RECYCLED WATER CONDUIT |  | LOT GRADE |
|  | PERMANENT SURVEY MARK | | |
|  | TEMPORARY BENCH MARK | | |
|  | FILLING OVER 200mm | | |



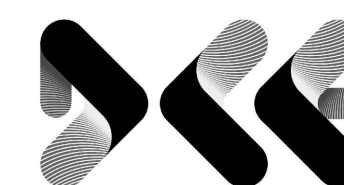
merrifield
MAB GPC

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 10
INTERSECTION DETAILS
SHEET 01 OF 03
Drawing No. 11730ID01 Rev 2
Sheet No. 07 **AS CONSTRUCTED**
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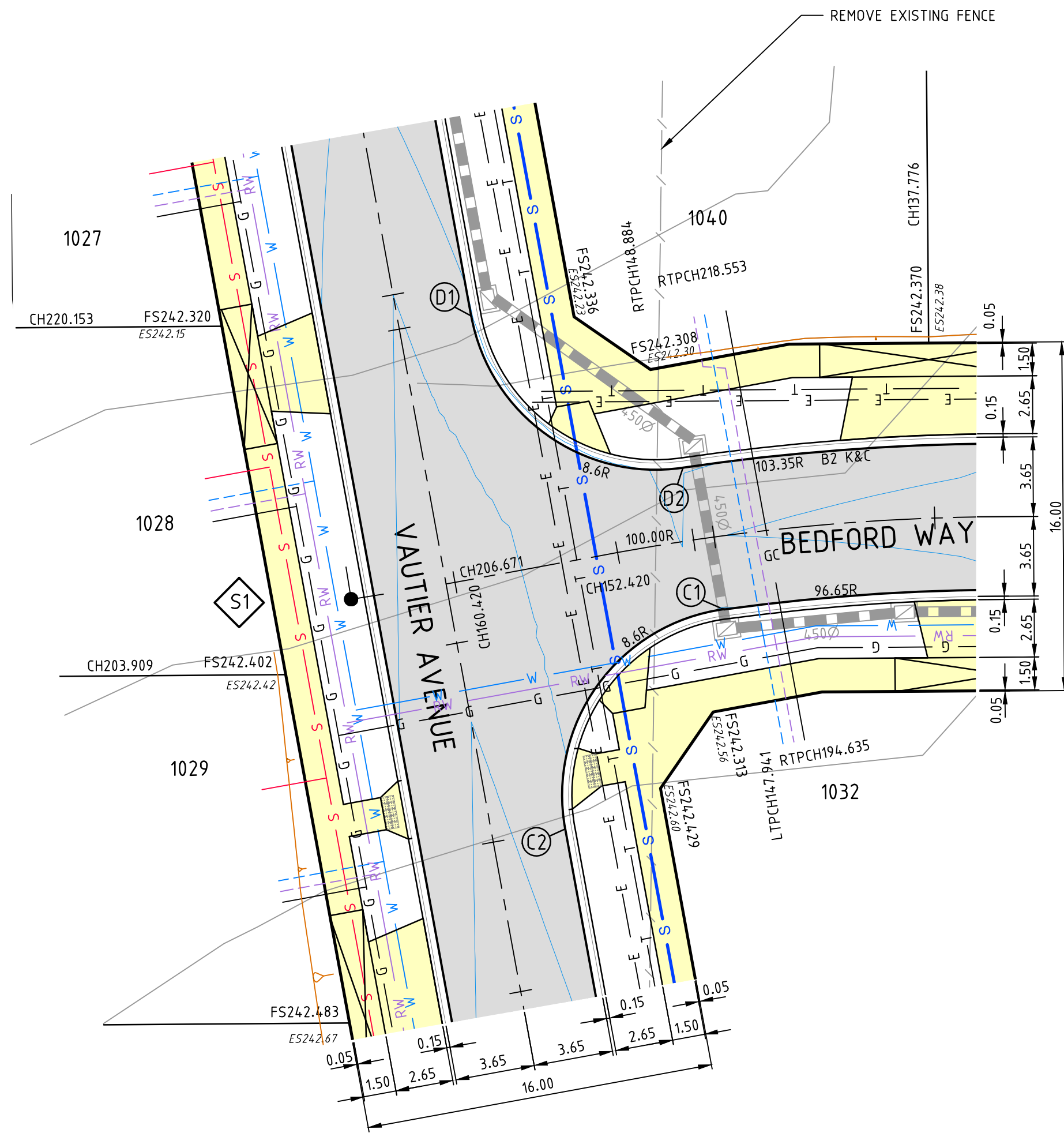


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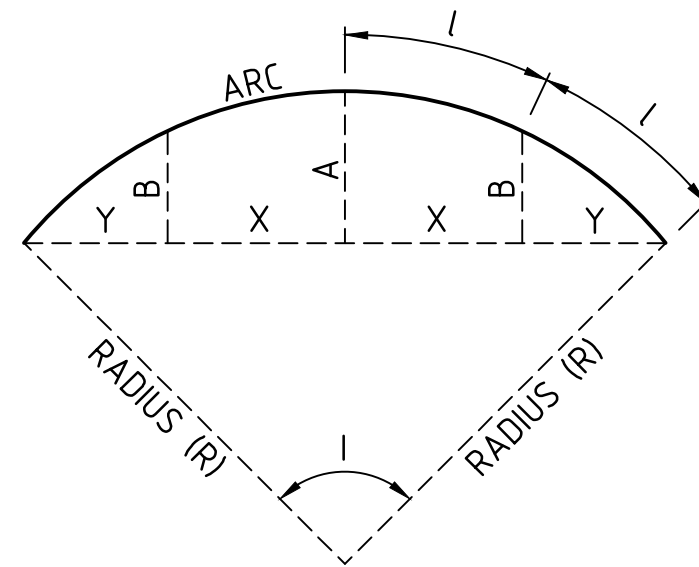
Drawing File: G:\Design\11700\11700-MERRIFIELD - Precinct 1 - Stage 10\Acad\RD\11700001.dwg - 11700002
Date/Time: Fri Feb 26, 2016 - 10:01 am --Robert Young--



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.

SIGN	TYPE
STREET NAME SIGN	

SIGNAGE LEGEND
N.T.S



LIP SETOUT DETAIL
N.T.S

AS CONSTRUCTED

ALIGNMENT C

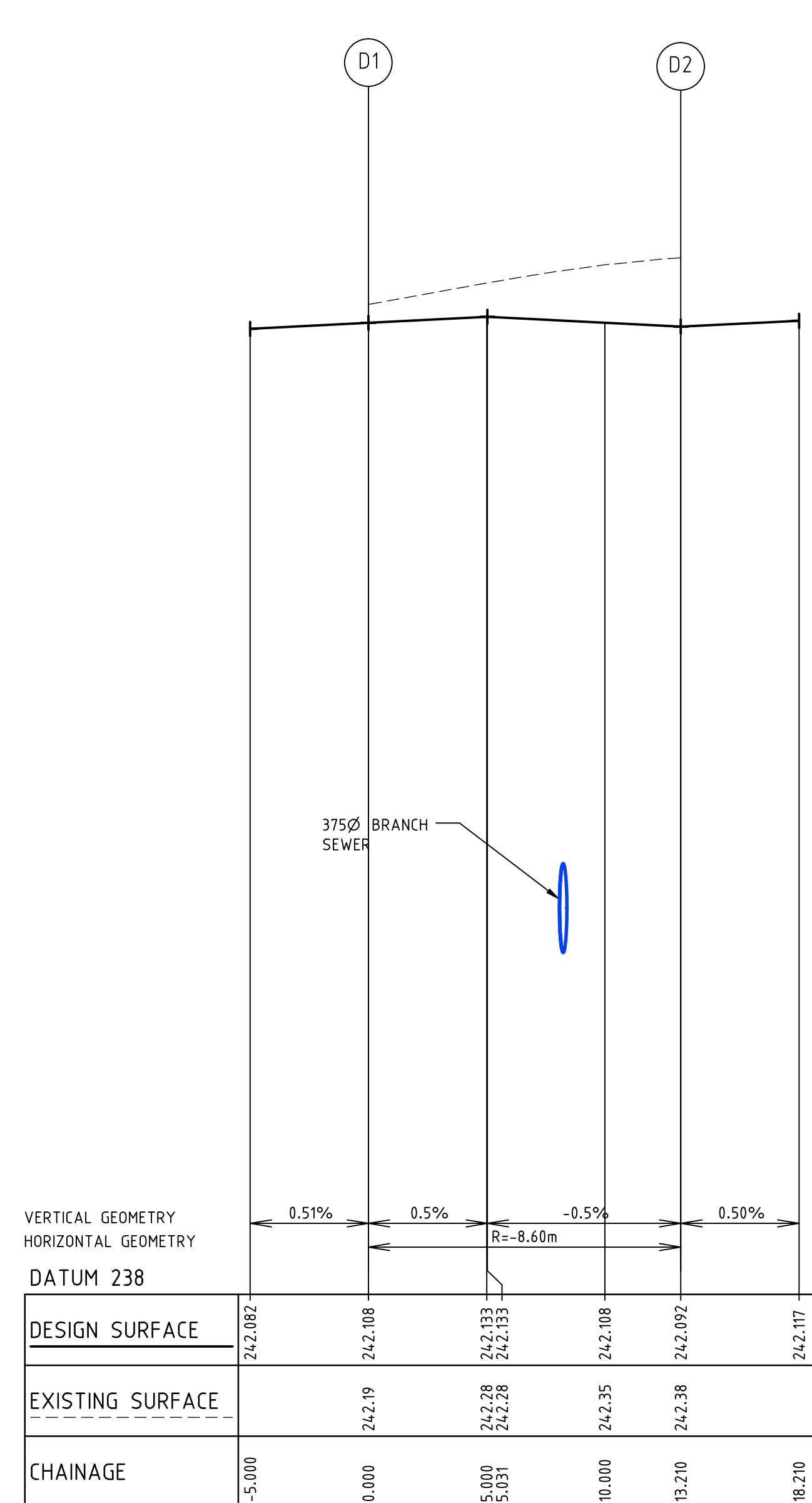
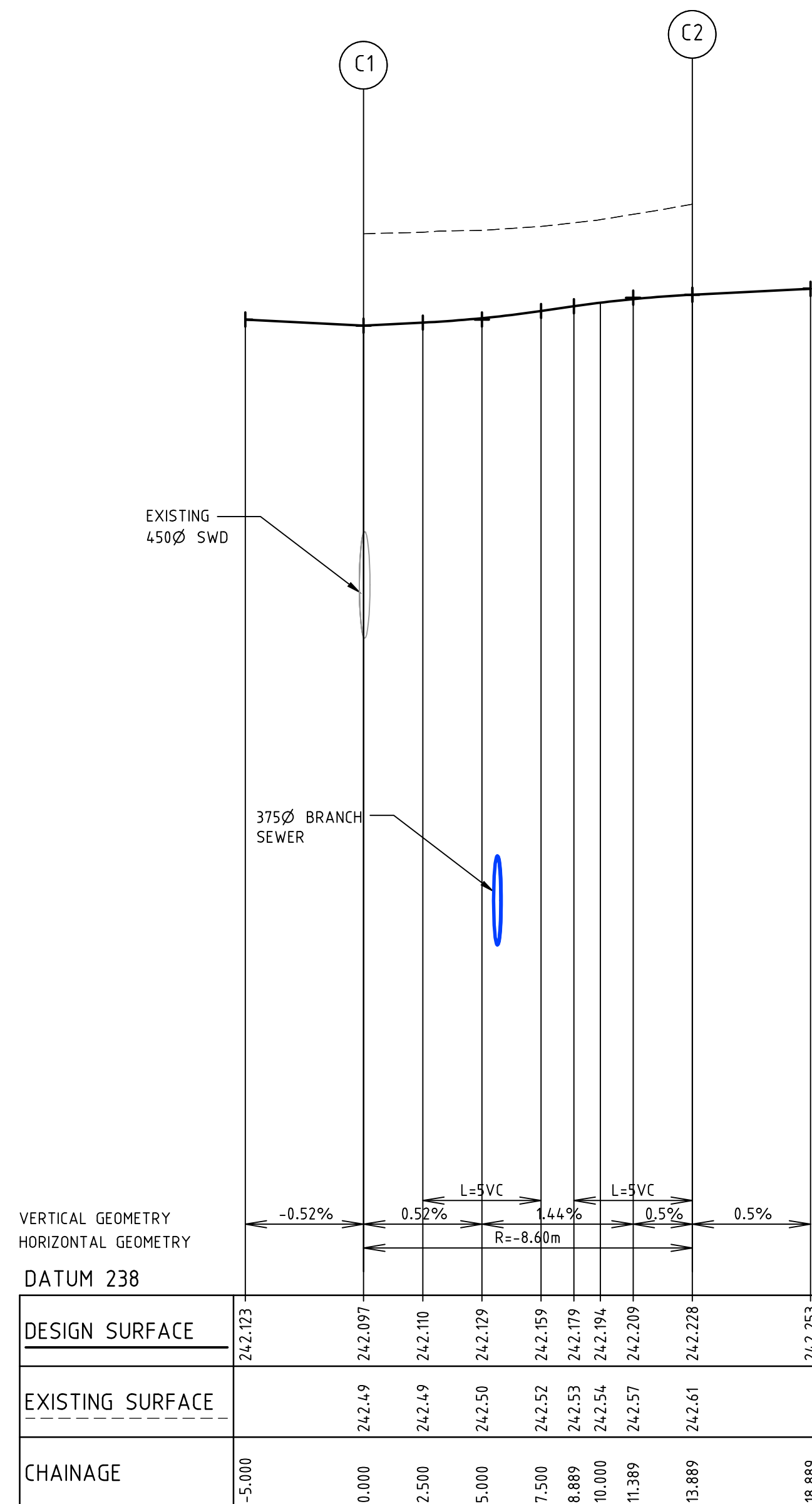
POINT NO	EASTING	NORTHING	RL
C1	315258.648	5844155.086	242.097
C2	315249.613	5844163.620	242.228

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
C1 - C2	92.531	8.600	13.889	2.655	1.963	3.379	2.835	3.472	242.149

ALIGNMENT D

POINT NO	EASTING	NORTHING	RL
D1	315273.501	5844164.829	242.108
D2	315265.337	5844156.104	242.092

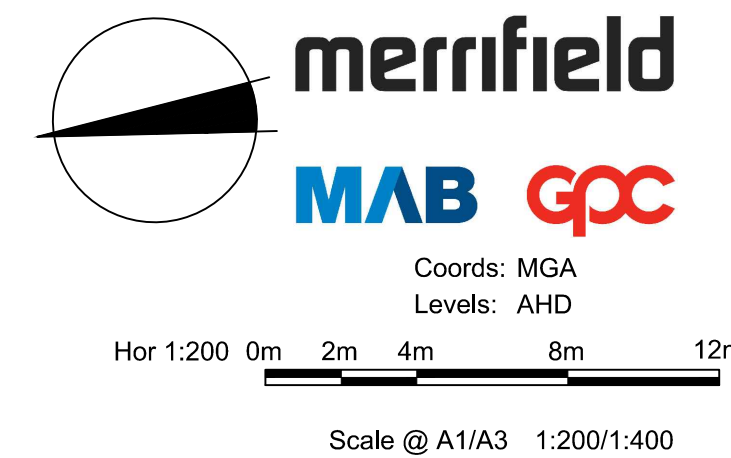
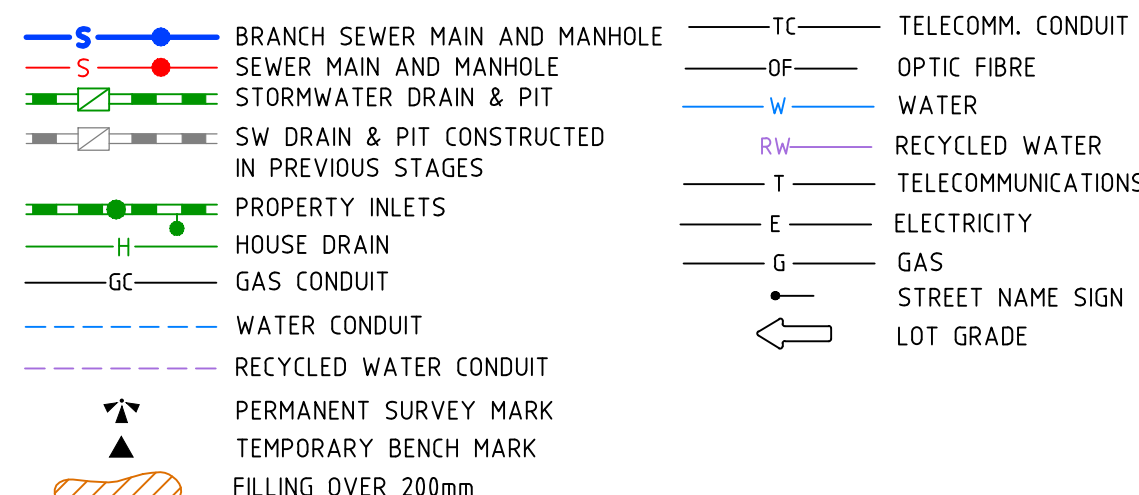
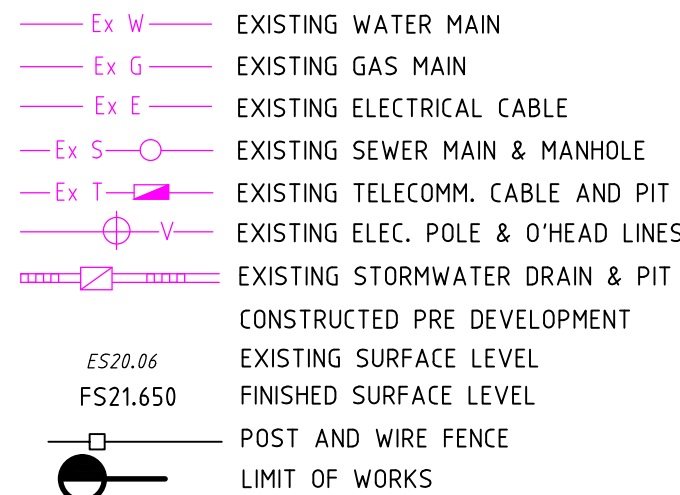
CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
D1 - D2	88.010	8.600	13.210	2.414	1.788	3.222	2.753	3.303	242.121



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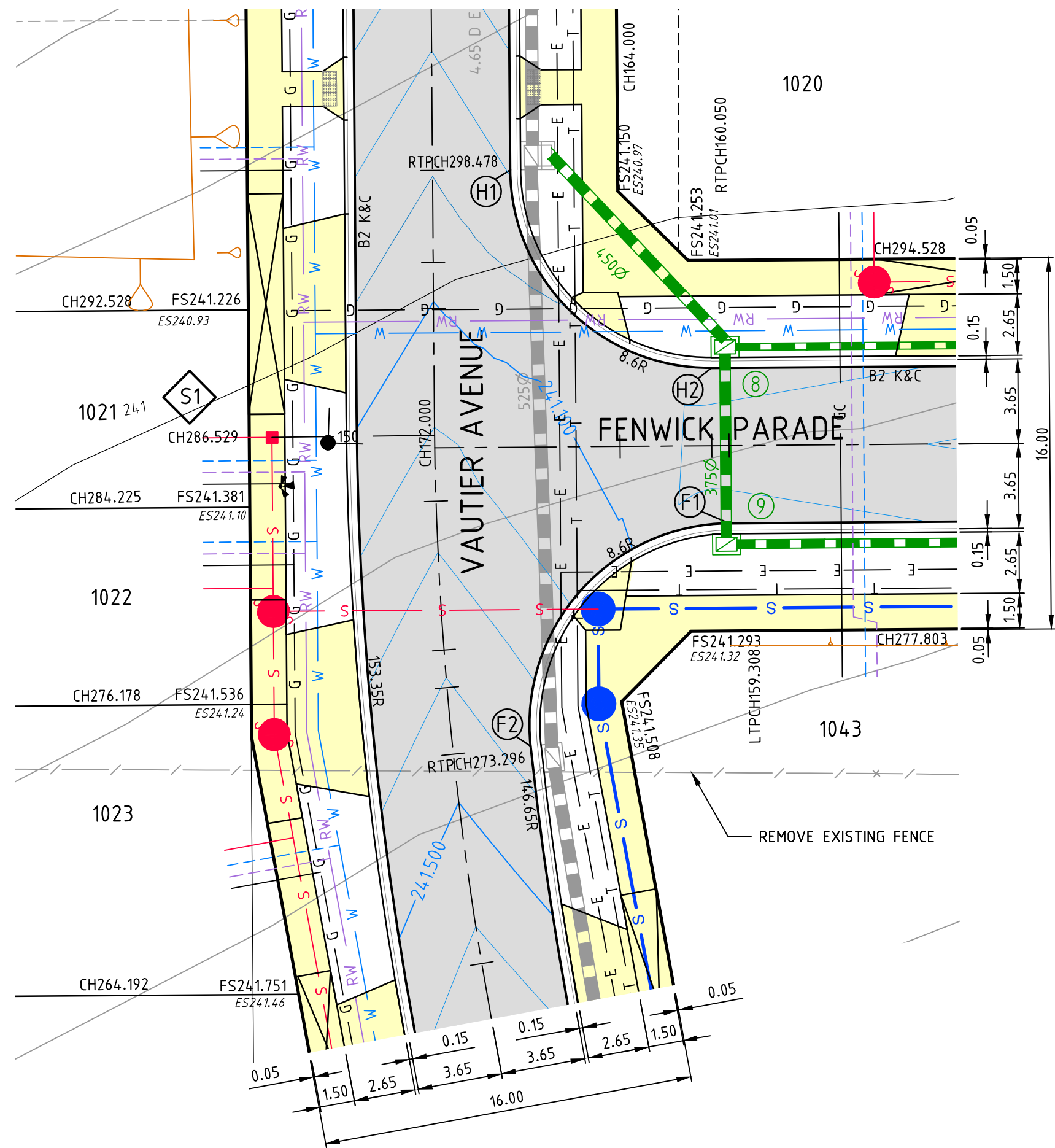
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AN 1511003
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Date: 26/03/15
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Approved T.LIAKOPOULOS
Date: 09/11/15
AN 884716

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.



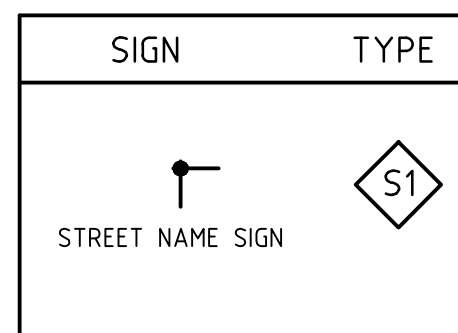
MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 10
INTERSECTION DETAILS
SHEET 02 OF 03
Drawing No. 117301D02 **Rev 2**
Sheet No. 08 **AS CONSTRUCTED**
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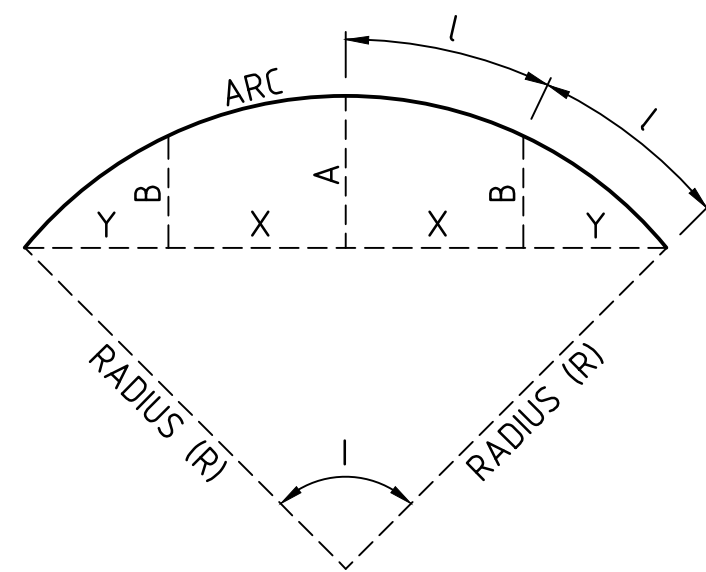


PLAN
SCALE 1:200

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.



SIGNAGE LEGEND
N.T.S.



LIP SETOUT DETAIL
N.T.S.

AS CONSTRUCTED

ALIGNMENT F

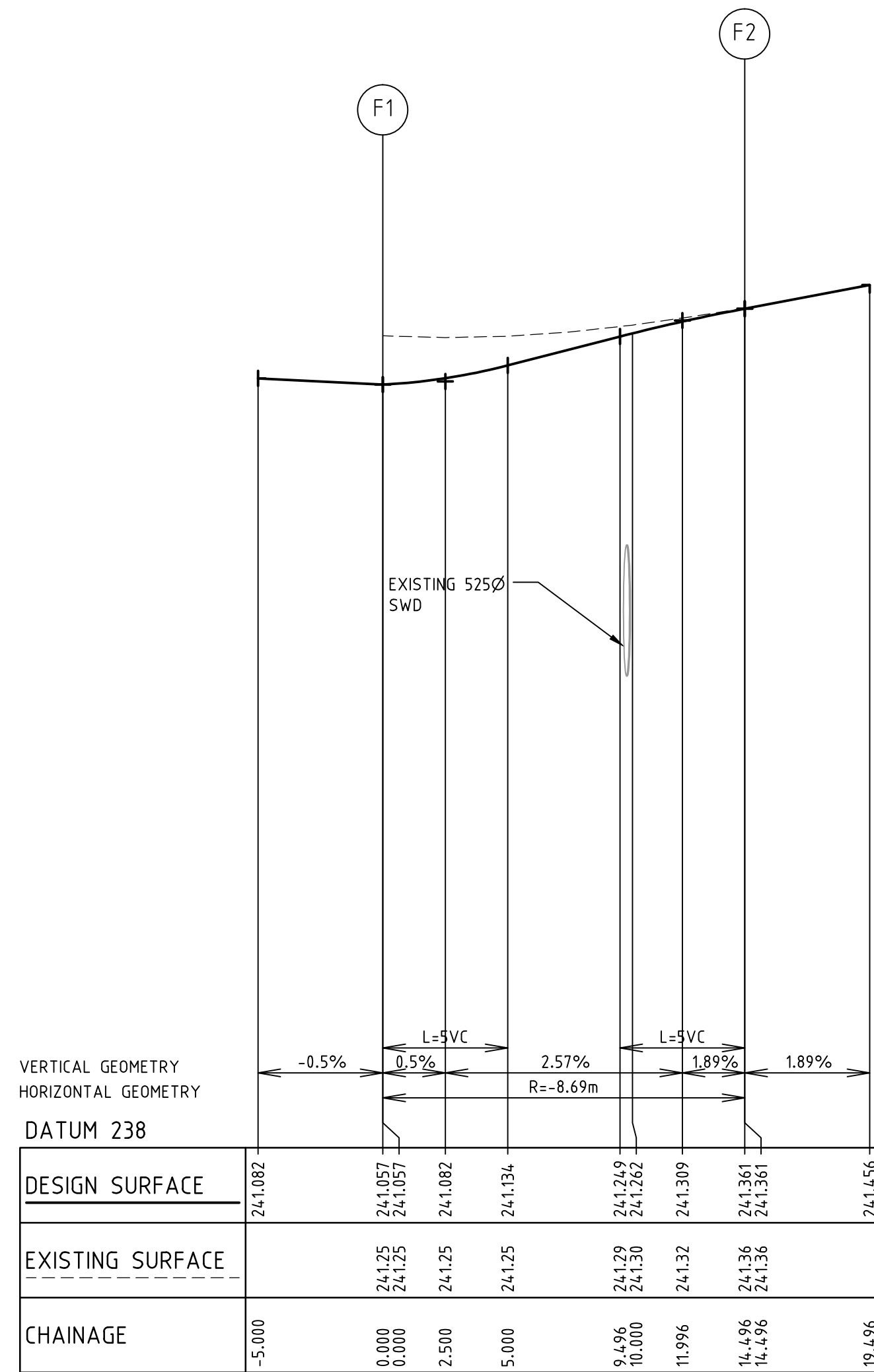
POINT NO	EASTING	NORTHING	RL
F1	315336.329	5844157.401	241.057
F2	315327.929	5844167.156	241.361

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
F1 - F2	95.574	8.690	14.496	2.851	2.107	3.520	2.916	3.624	241.192

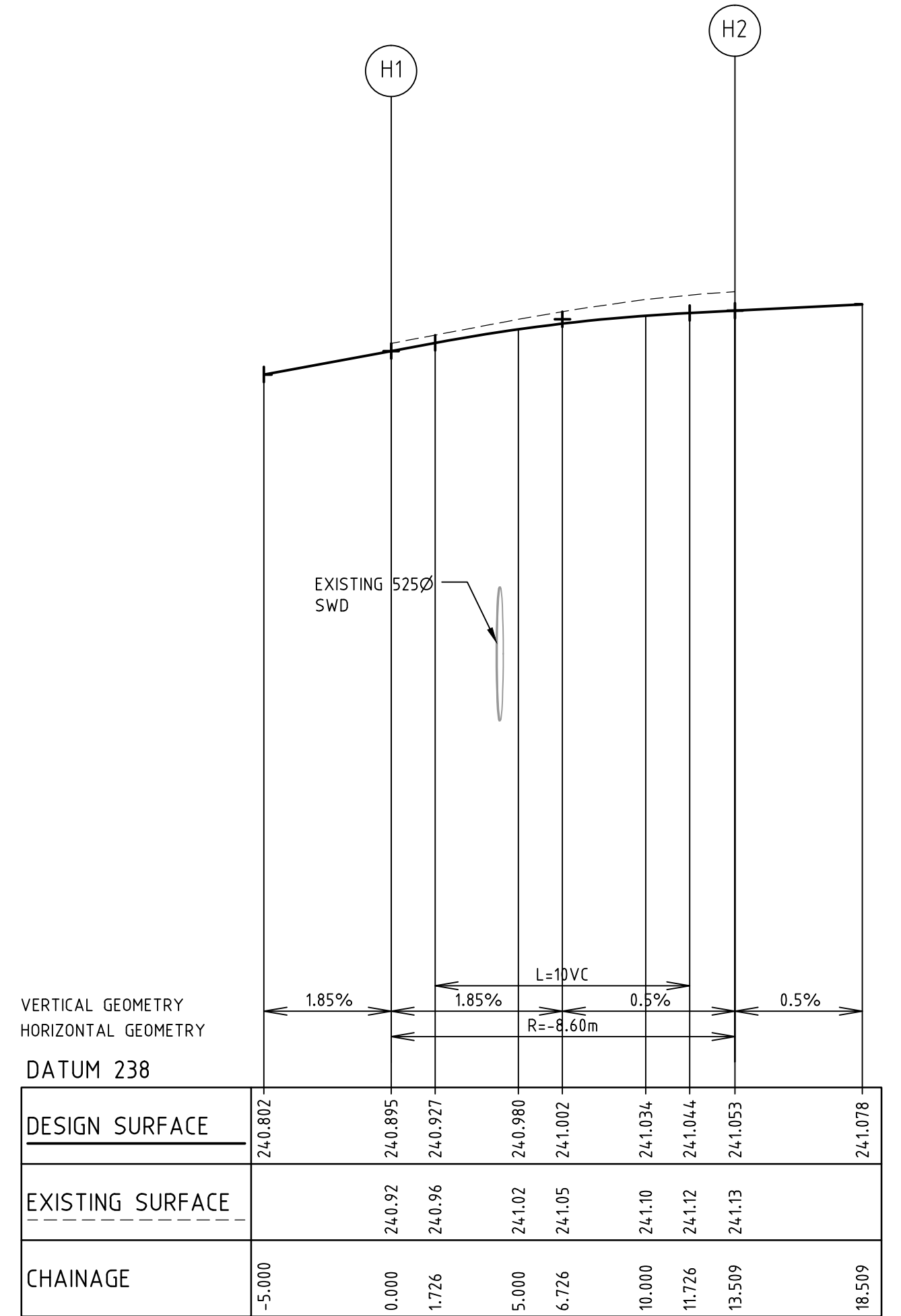
ALIGNMENT H

POINT NO	EASTING	NORTHING	RL
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H2	315343.070	5844157.315	241.053

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
H1 - H2	89.999	8.600	13.509	2.519	1.864	3.291	2.790	3.377	241.003



LIP PROFILE F
SCALES HORZ. 1:200, VERT. 1:20

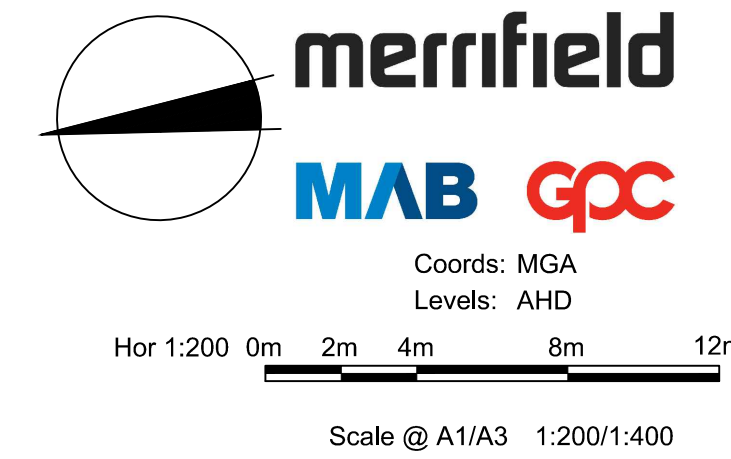
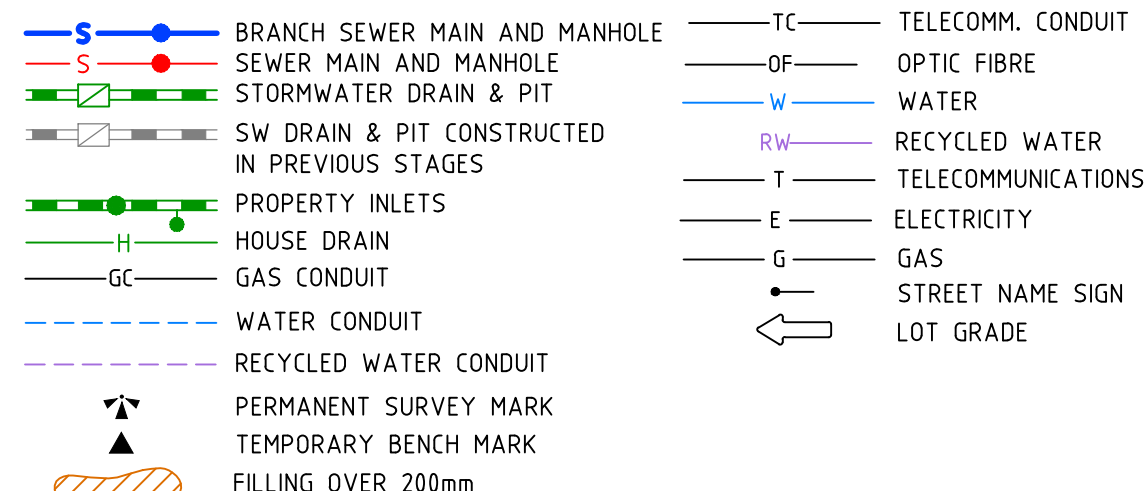
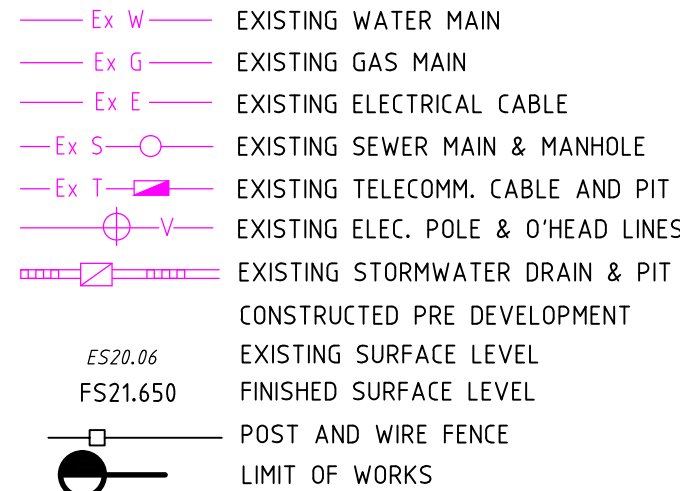


LIP PROFILE H
SCALES HORZ. 1:200, VERT. 1:20

REV	AMENDMENTS	DATE	APP'D.
2	AS CONSTRUCTED	26/02/16	TL
1	RE-ISSUE FOR CONSTRUCTION	09/11/15	TL
0	ISSUE FOR CONSTRUCTION	29/10/15	TL

Drawn K.PAGE
Date 24/02/15
AN 1511003
Designed N.MIRATANA
Date 23/02/15
AN 1541069
Verified B.GORDON
Date 26/03/15
AN 162166
Audited S.LEA
Date 01/10/15
AN 1061940
Approved T.LIAKOPOULOS
Date 09/11/15
AN 884717

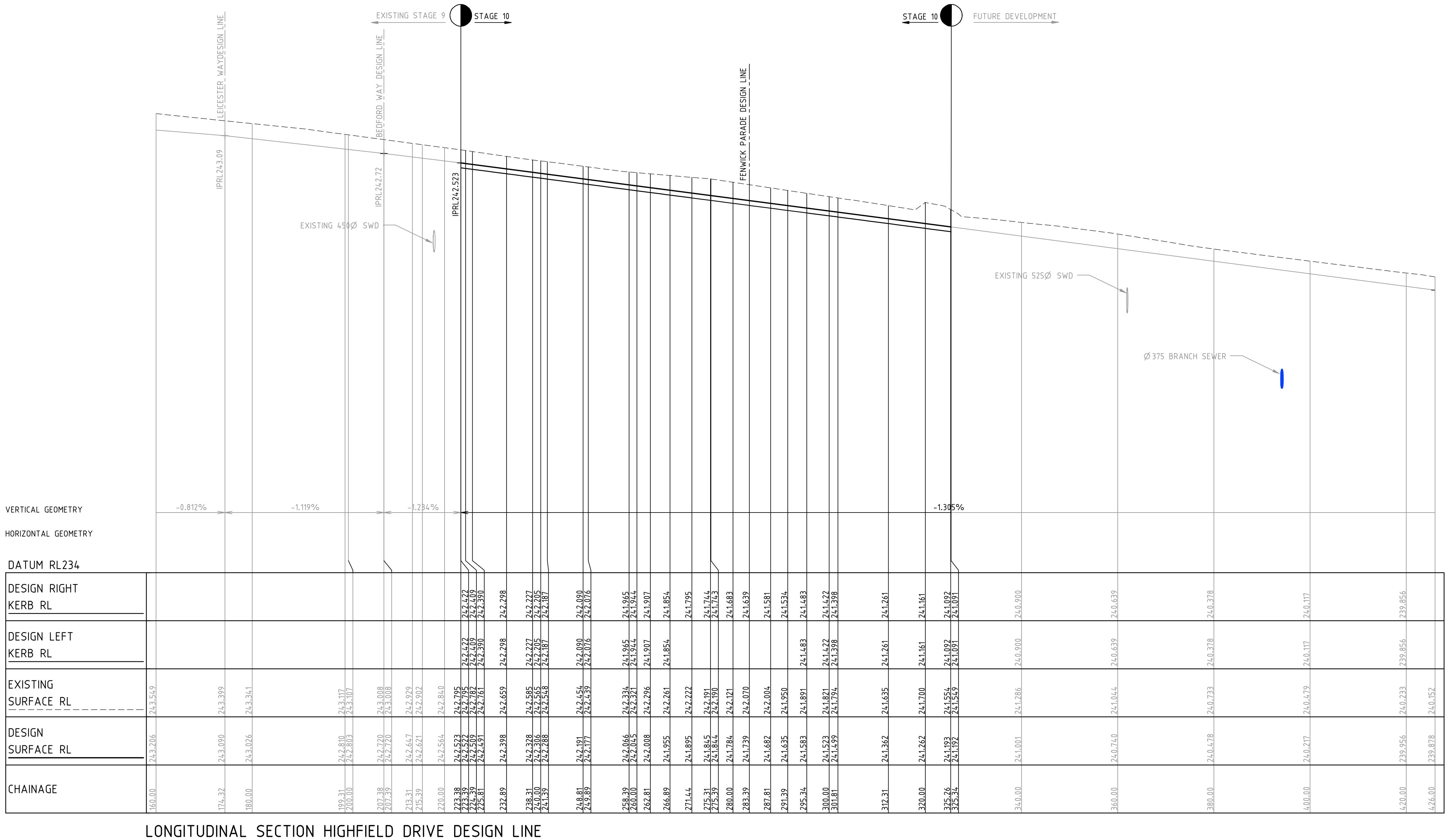
Written dimensions to take precedence over scale. Contractor shall check and verify all dimensions on site. Discrepancies to be brought to the attention of the Superintendent.



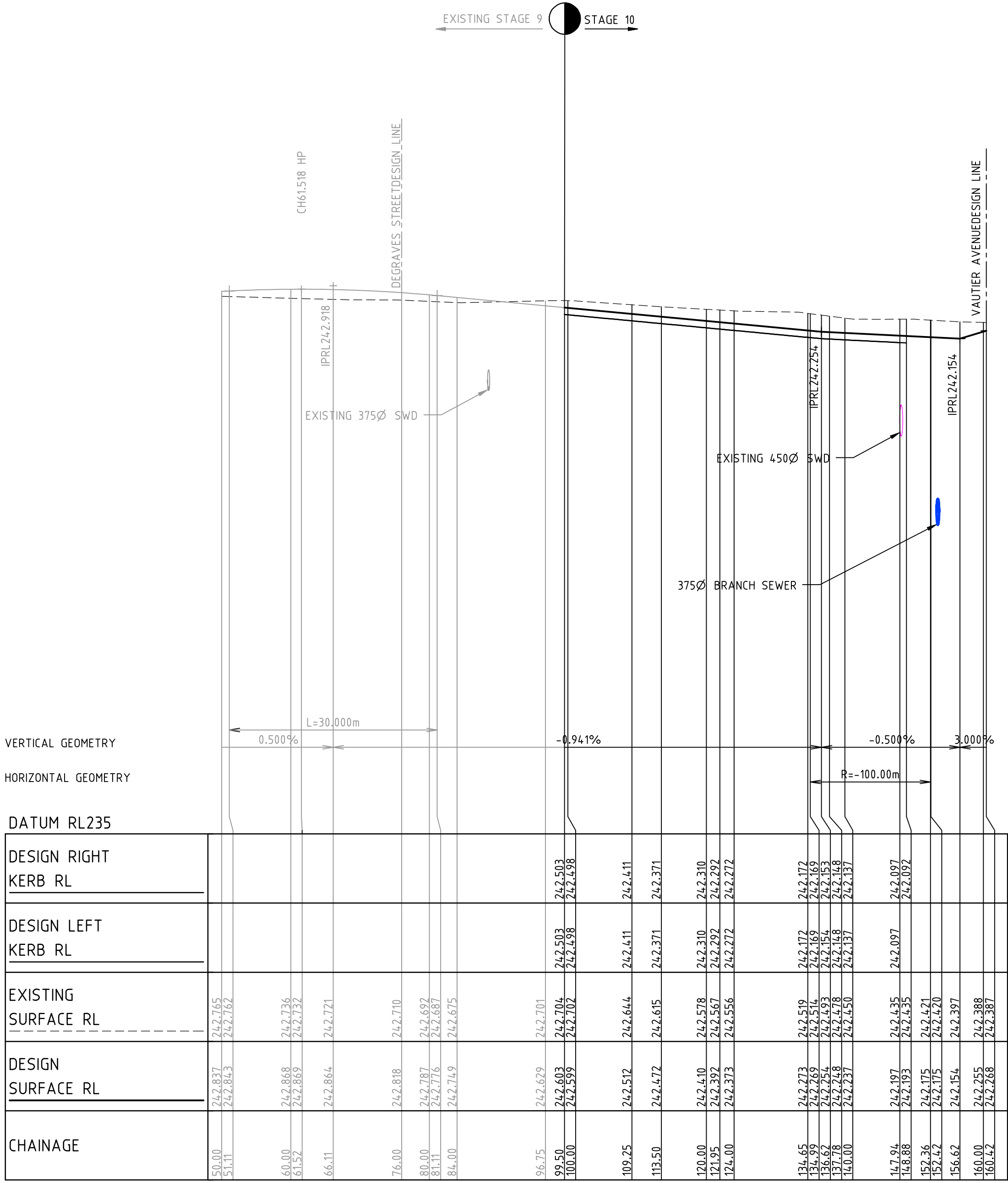
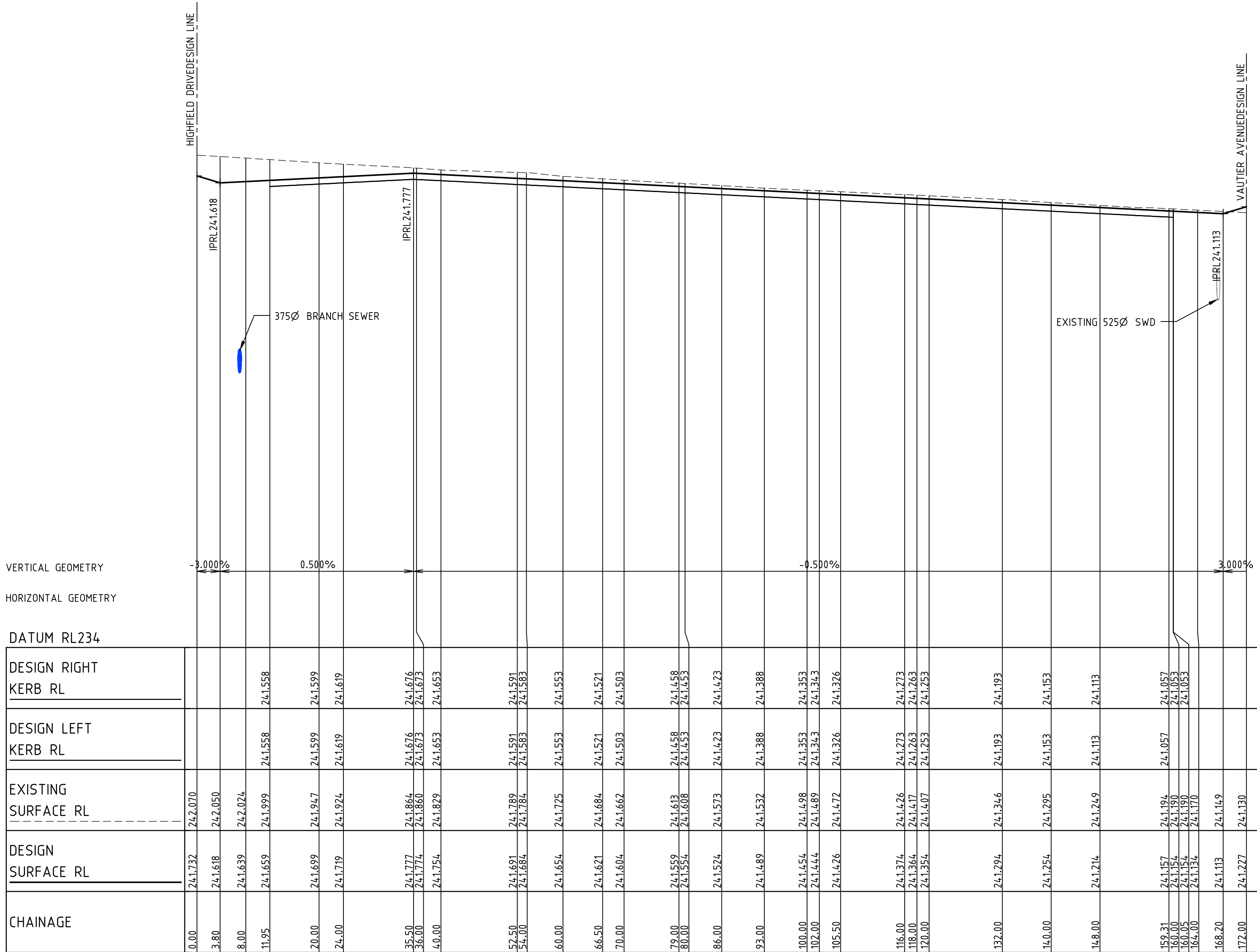
MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 10
INTERSECTION DETAILS
SHEET 03 OF 03
Drawing No. 117301D03
Rev 2
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Drawing File: G:\Design\11700\11700-MERRIFIELD - Prelim 1 - Stage 10\Acad\RD\11700LS01.dwg - 11700LS01
Date/Time: Fri Feb 26, 2016 - 10:01 am --Robert Young--



Drawing File: G:\Design\11730-MERRIFIELD - Prelim 1 - Stage 10\Acad\RD\11730LS01.dwg - 11730LS02
Date/Time: Fri Feb 26, 2016 - 10:01:00 --Robert Young--



REV	AMENDMENTS	DATE	APP'D.
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1	RE-ISSUE FOR CONSTRUCTION	09/11/15	TL
0	ISSUE FOR CONSTRUCTION	29/10/15	TL

Drawn K.PAGE
Date 24/02/15
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Designed N.MIRATANA
Date 23/02/15
AN 1541071
Verified B.GORDON
Date 26/03/15
AN 162168
Audited S.LEA
Date 01/10/15
AN 1061941
Approved T.LIAKOPOULOS
Date 09/11/15
AN 884719

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

MERRIFIELD DEVELOPMENT

DONNYBROOK ROAD, MICKLEHAM

STAGE 10

LONGITUDINAL SECTIONS

SHEET 02 OF 03

Drawing No. 11730LS02

Rev 2

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Sheet No. 11

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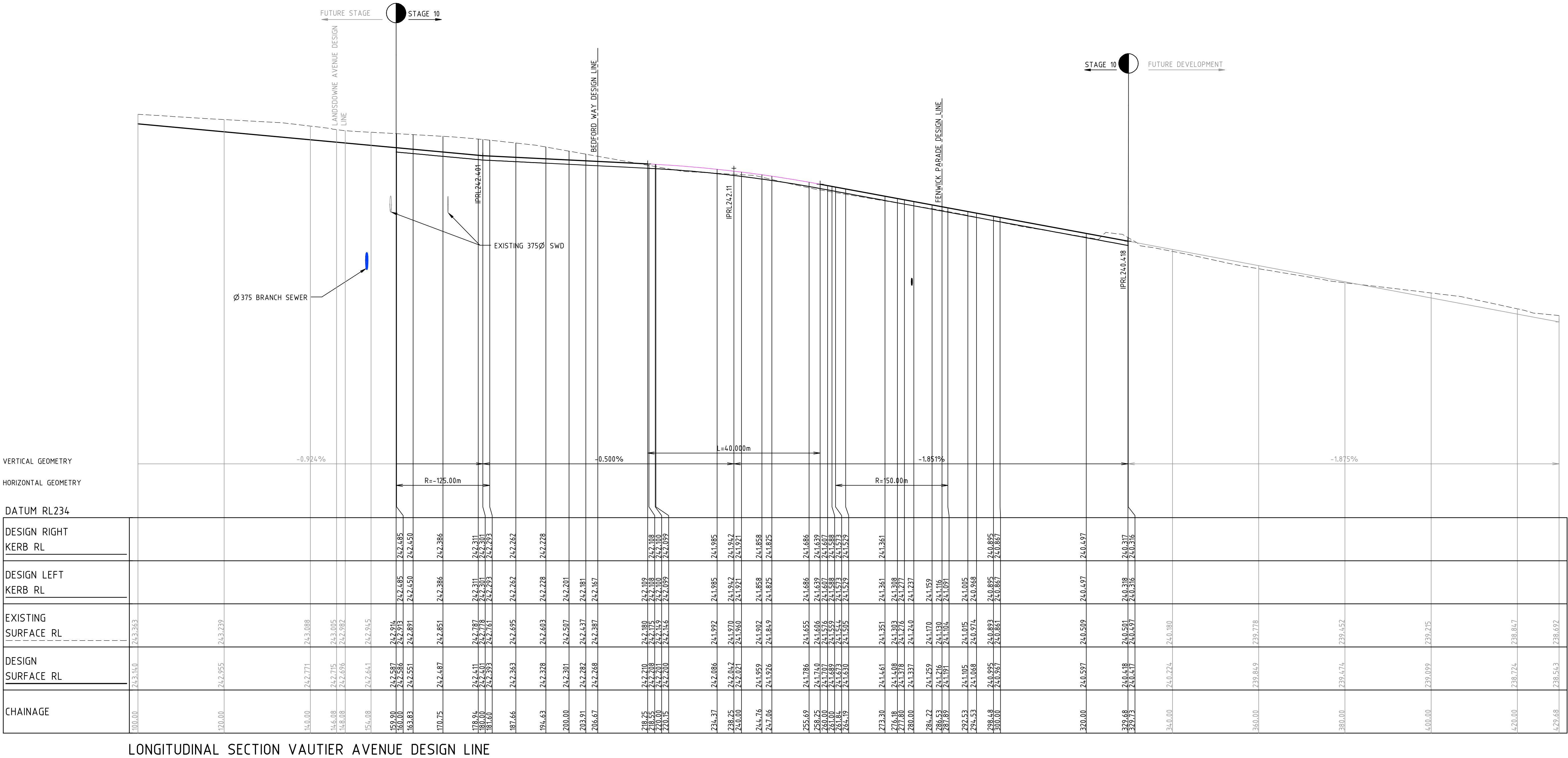
E info@dceng.com.au

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REV	AMENDMENTS	DATE	APP'D.
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1	RE-ISSUE FOR CONSTRUCTION	09/11/15	TL
0	ISSUE FOR CONSTRUCTION	29/10/15	TL

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Date 24/02/15
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Designed N.MIRATANA
Date 23/02/15
AN 1541072
Verified B.GORDON
Date 26/03/15
AN 162168
Audited S.LEA
Date 01/10/15
AN 1061941
Approved T.LIAKOPOULOS
Date 09/11/15
AN 884720

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

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 10
LONGITUDINAL SECTIONS
SHEET 03 OF 03
Drawing No. 11730LS03 Rev 2
AS CONSTRUCTED
Sheet No. 12
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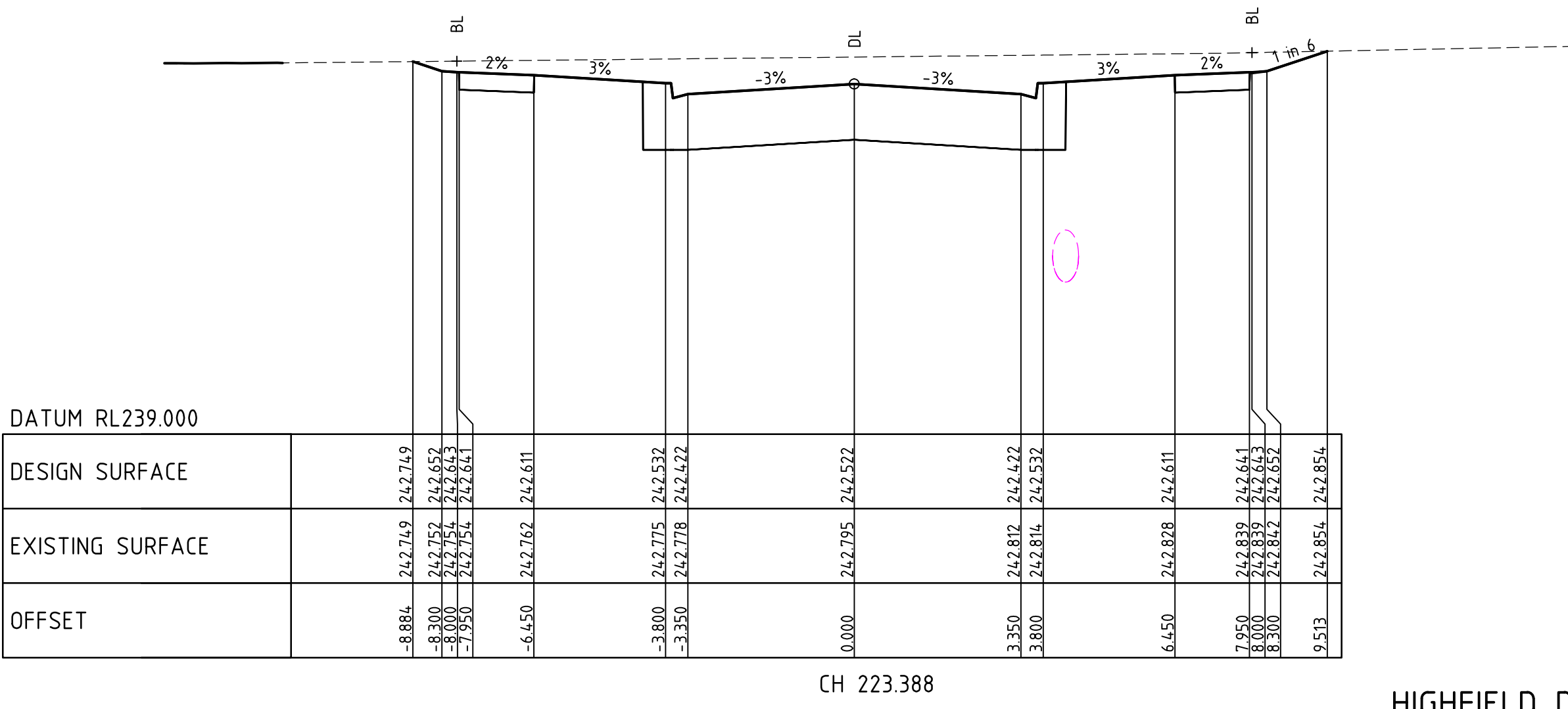
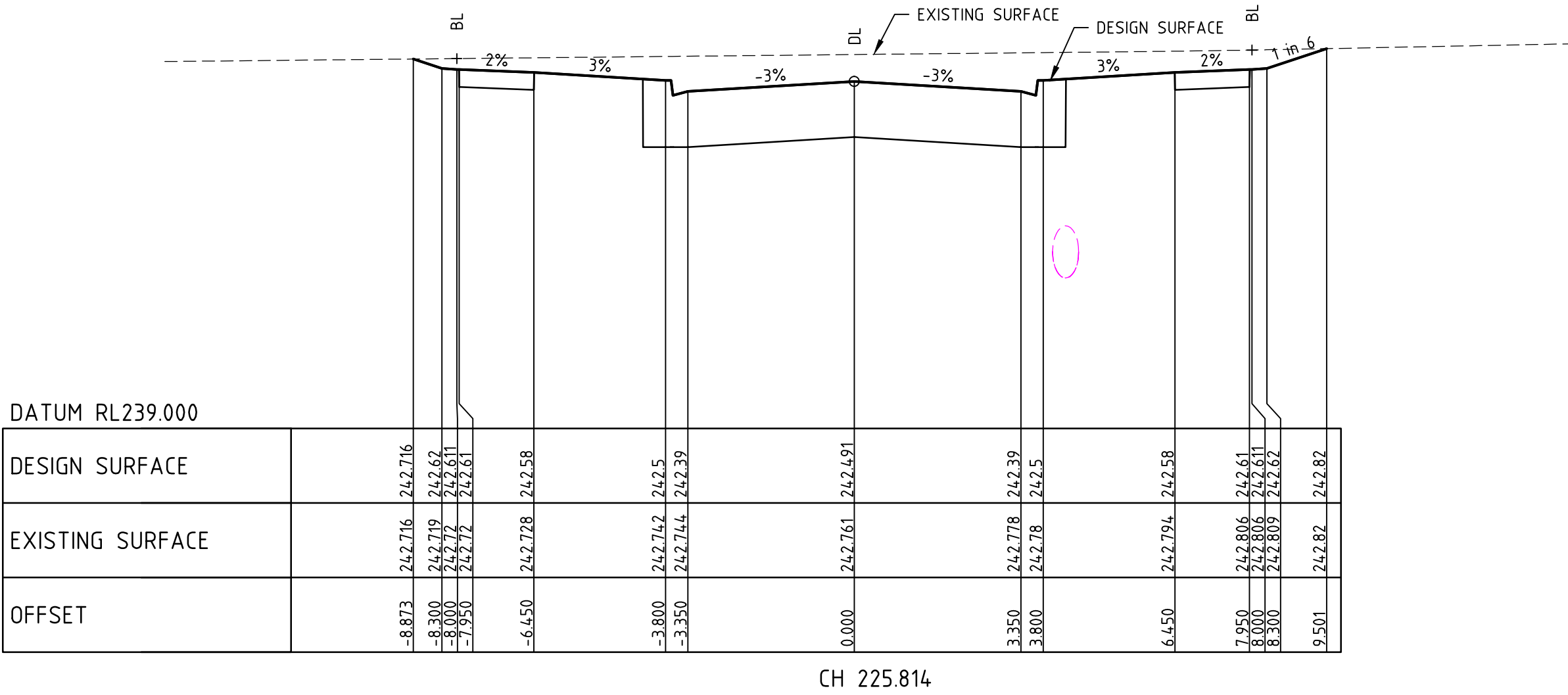
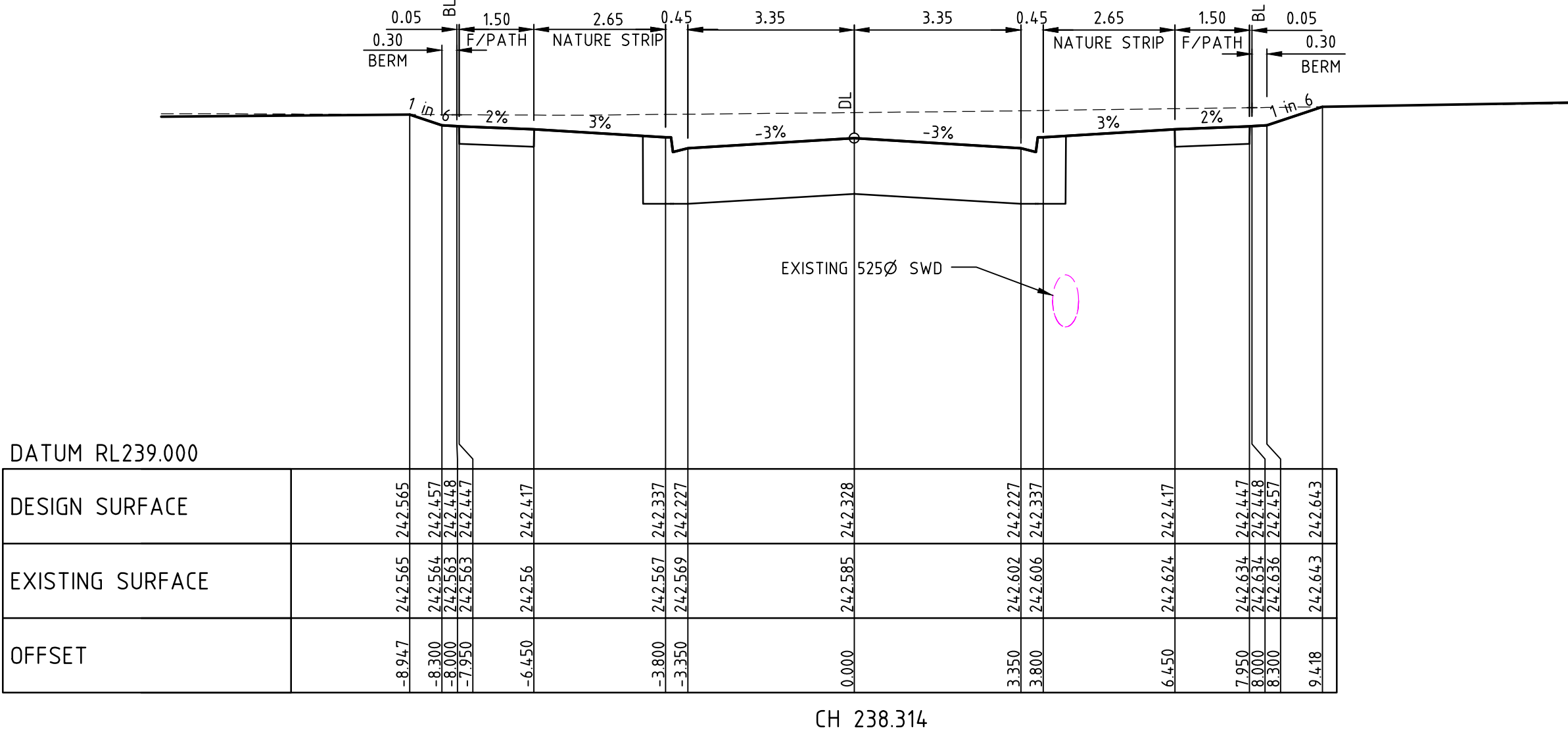
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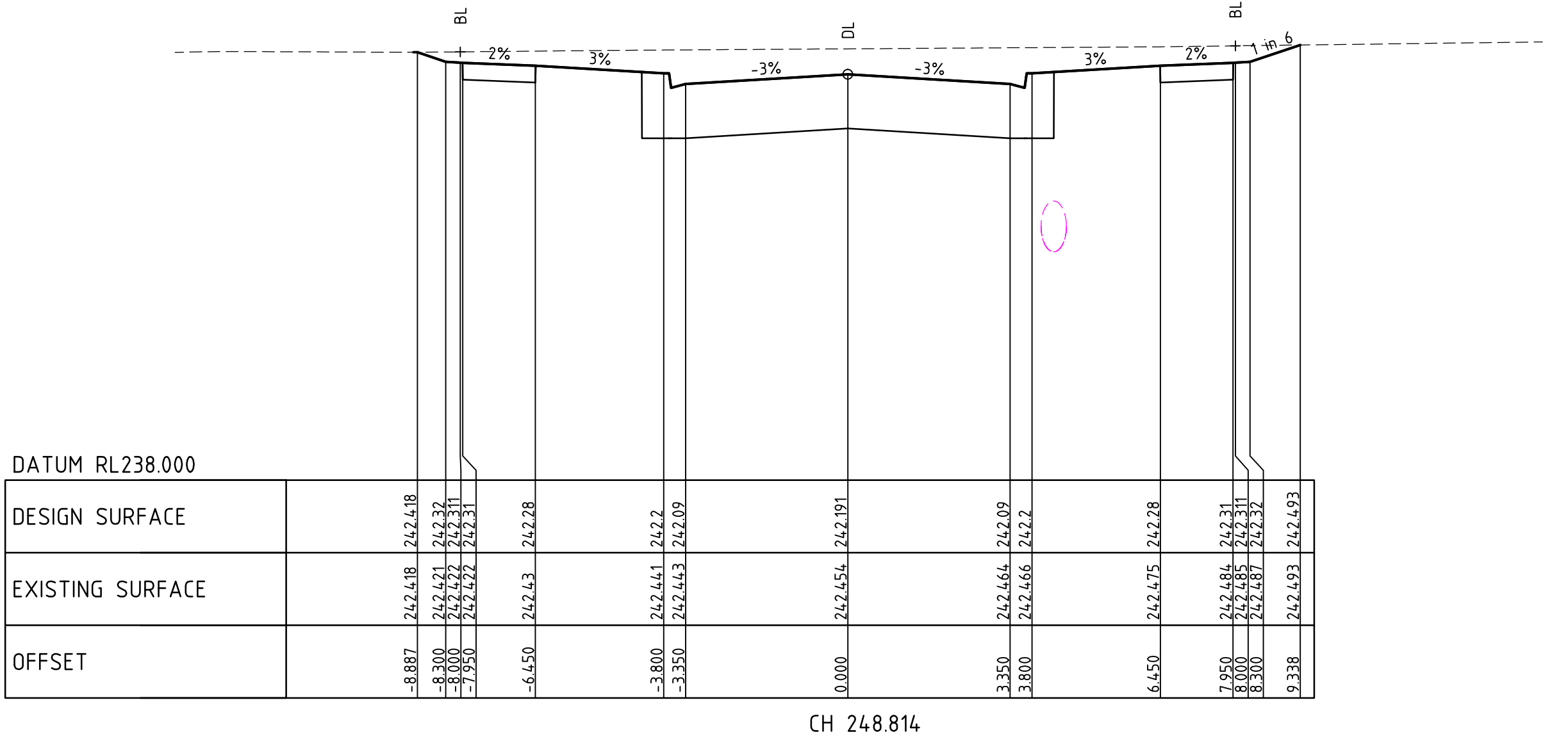
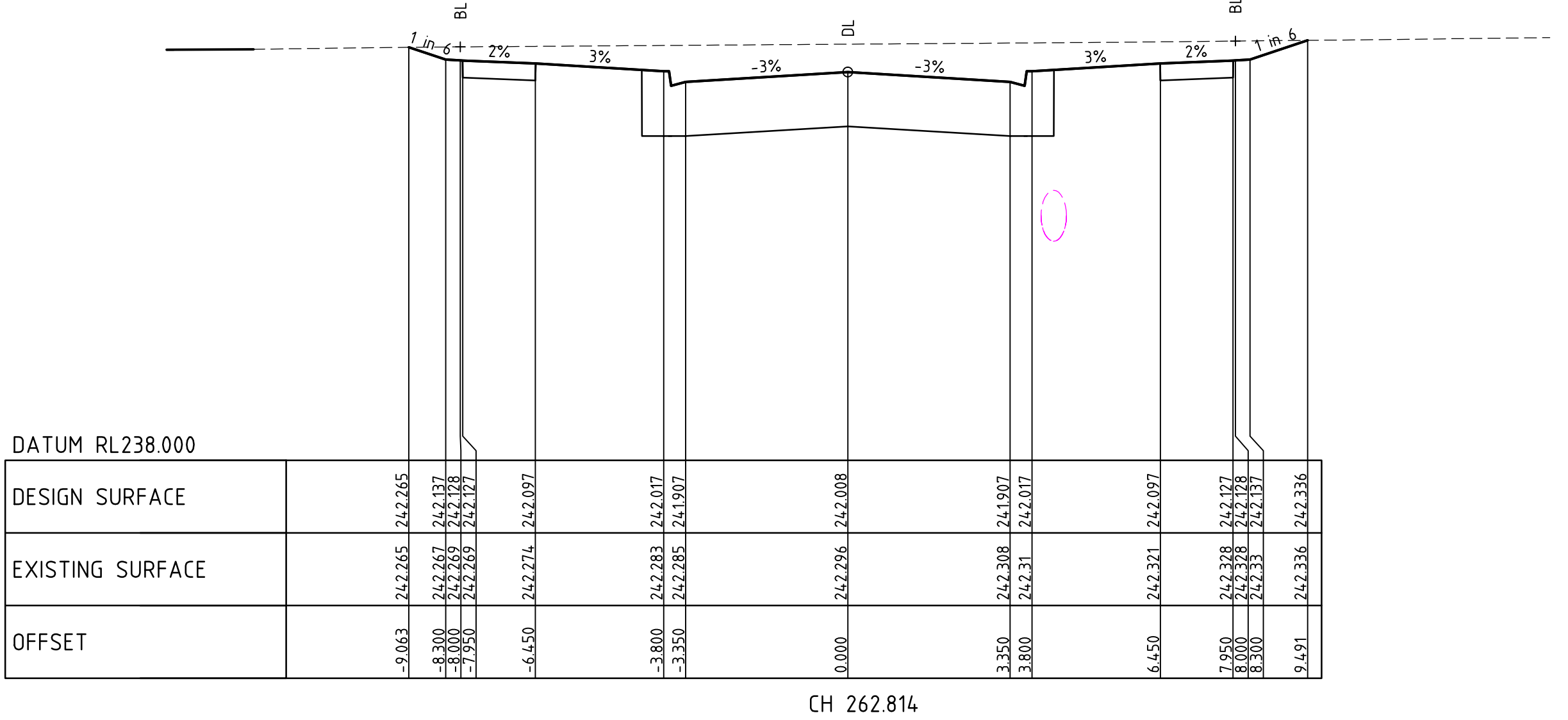
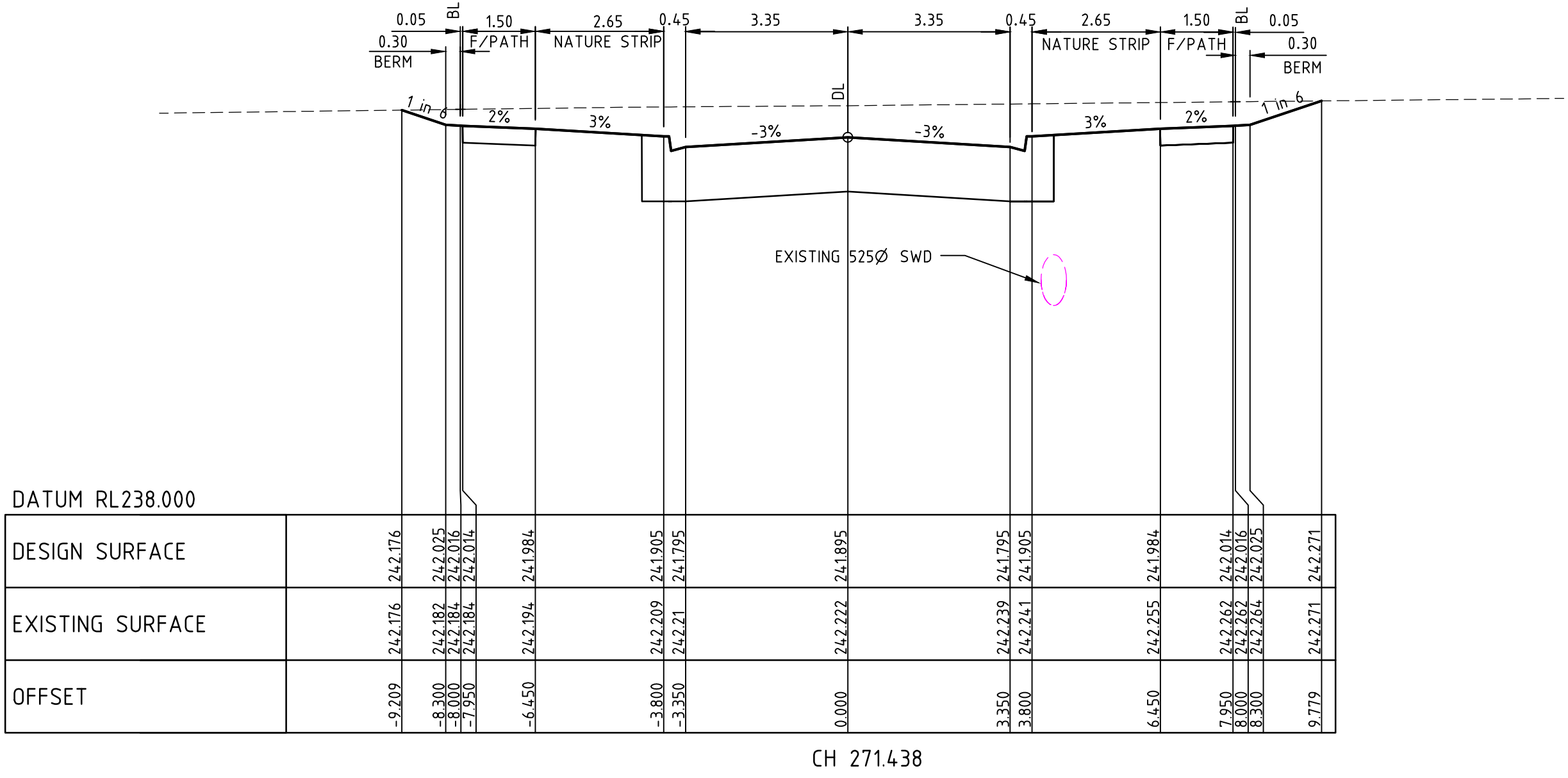
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HIGHFIELD DRIVE



REV	AMENDMENTS	DATE	APP'D.
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1	RE-ISSUE FOR CONSTRUCTION	09/11/15	TL
0	ISSUE FOR CONSTRUCTION	29/10/15	TL

Drawn K.PAGE
Date 24/02/15
AN 1511003
Designed N.MIRATANA
Date 23/02/15
AN 1541074
Verified B.GORDON
Date 26/03/15
AN 162171
Audited S.LEA
Date 01/10/15
AN 1061944
Approved T.LIAKOPOULOS
Date 09/11/15
AN 884721

LEGEND

STRUCTURAL FILL

AS CONSTRUCTED

merrifield

MAB gpc

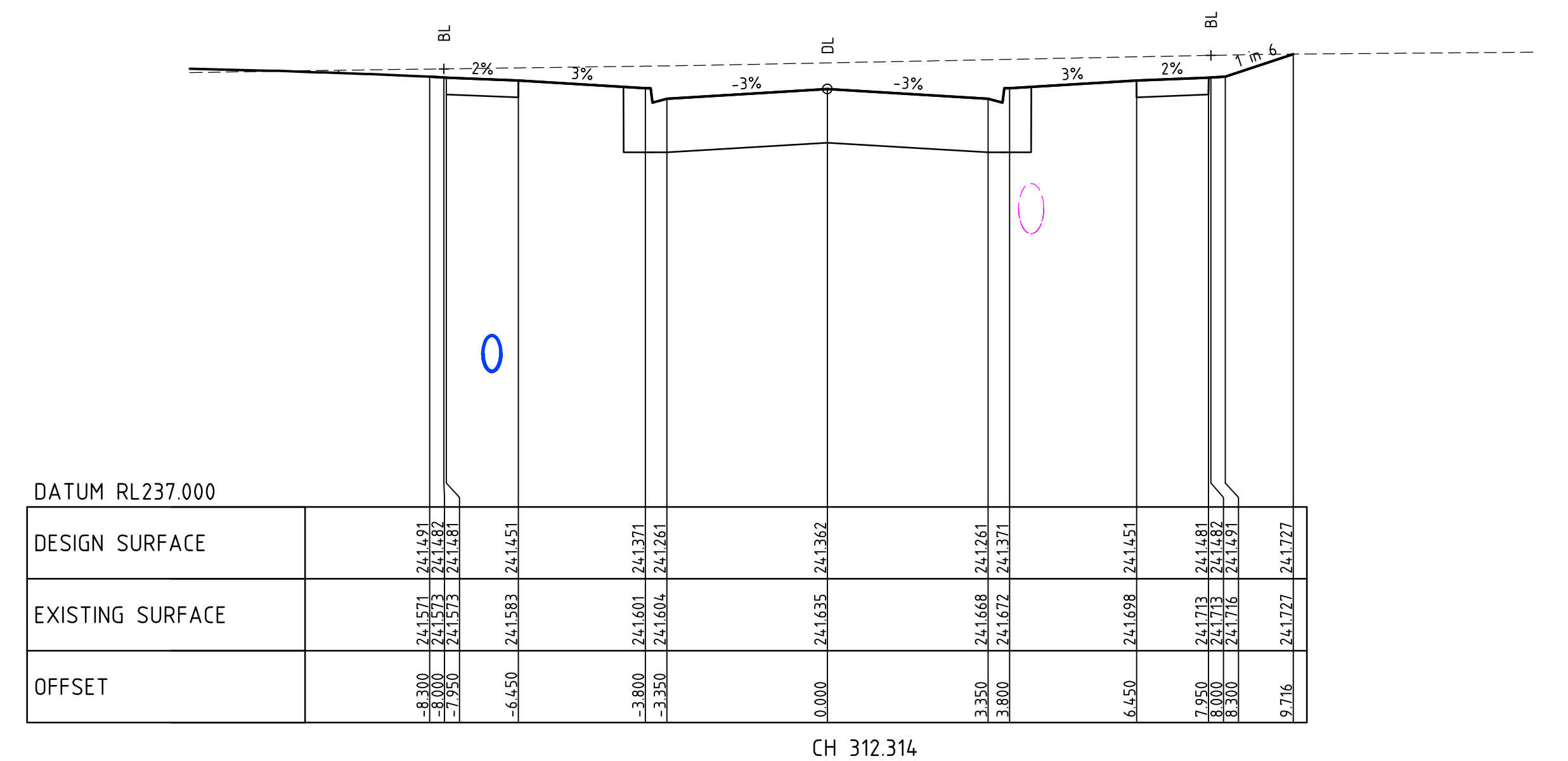
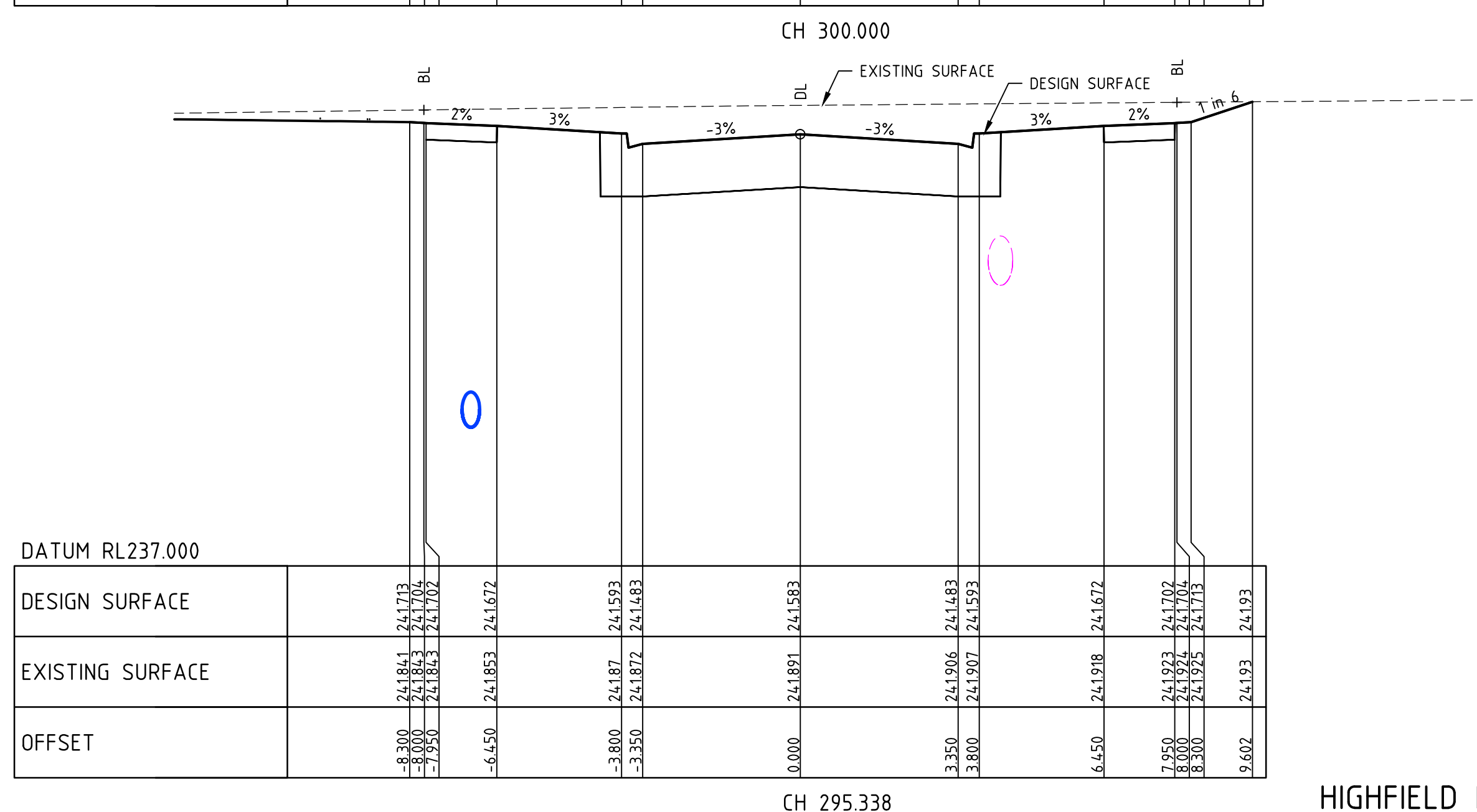
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Levels: AHD

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

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 10
CROSS SECTIONS
SHEET 01 OF 07
Drawing No. 11730XS01 Rev 2
Sheet No. 13 AS CONSTRUCTED
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Date 24/02/15
AN 1511003
Designed N.MIRATANA
Date 23/02/15
AN 1541075
Verified B.GORDON
Date 26/03/15
AN 162172
Audited S.LEA
Date 01/10/15
AN 1061945
Approved T.LIAKOPOULOS
Date 09/11/15
AN 884722

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.

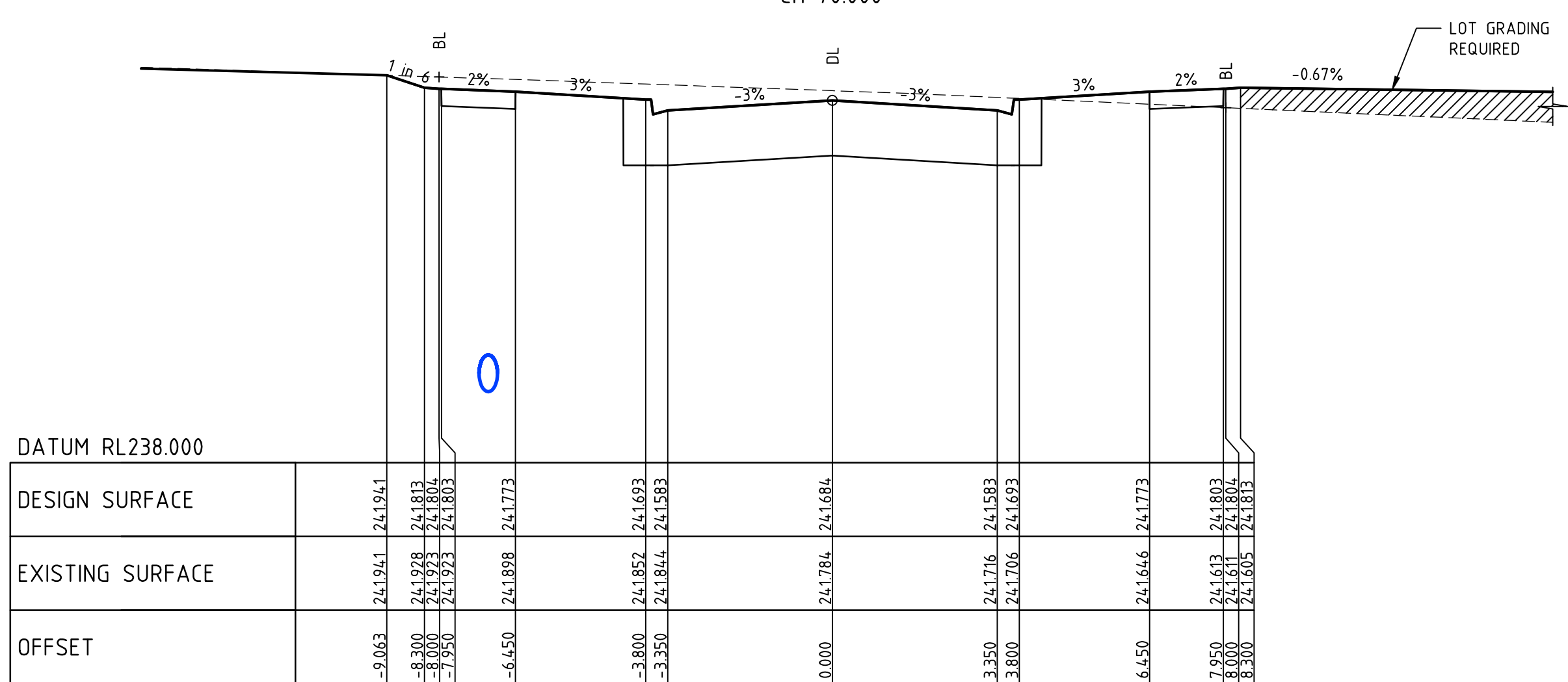
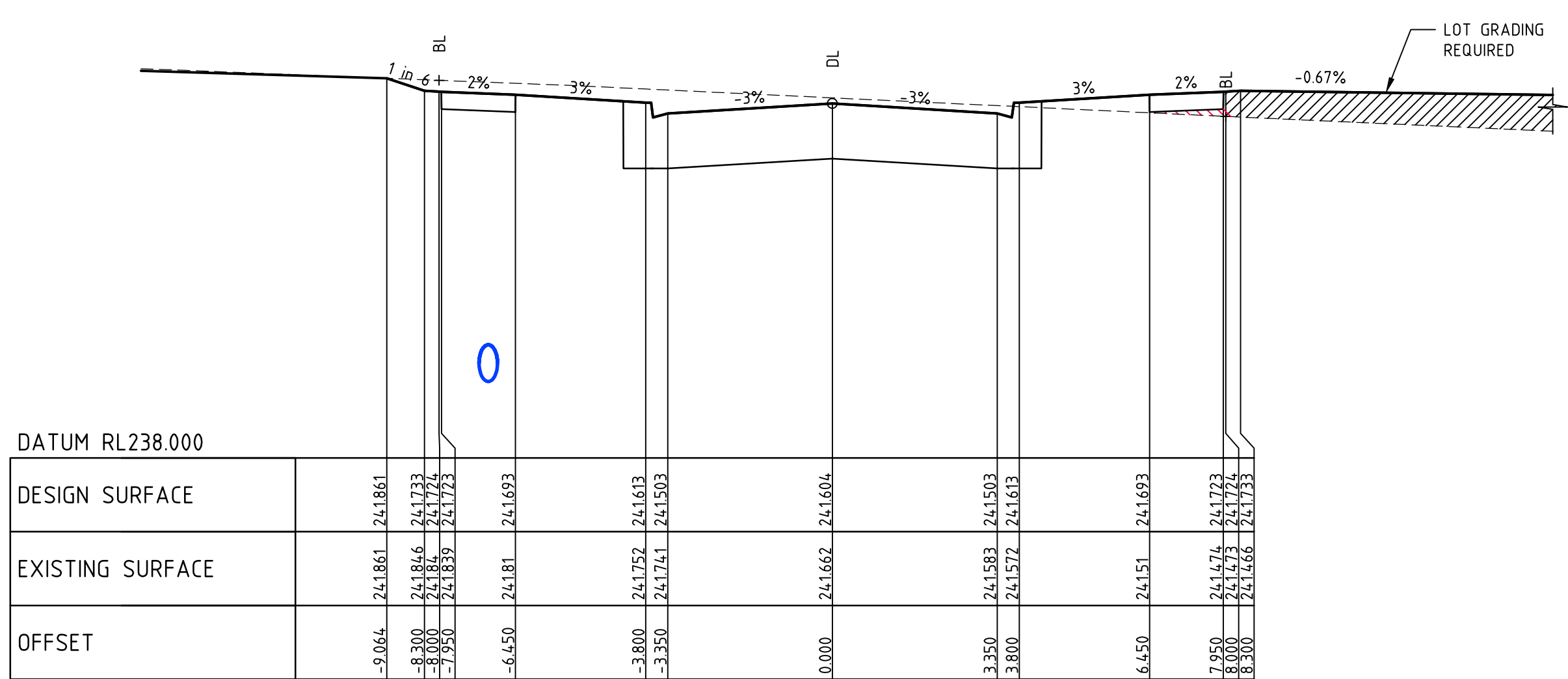
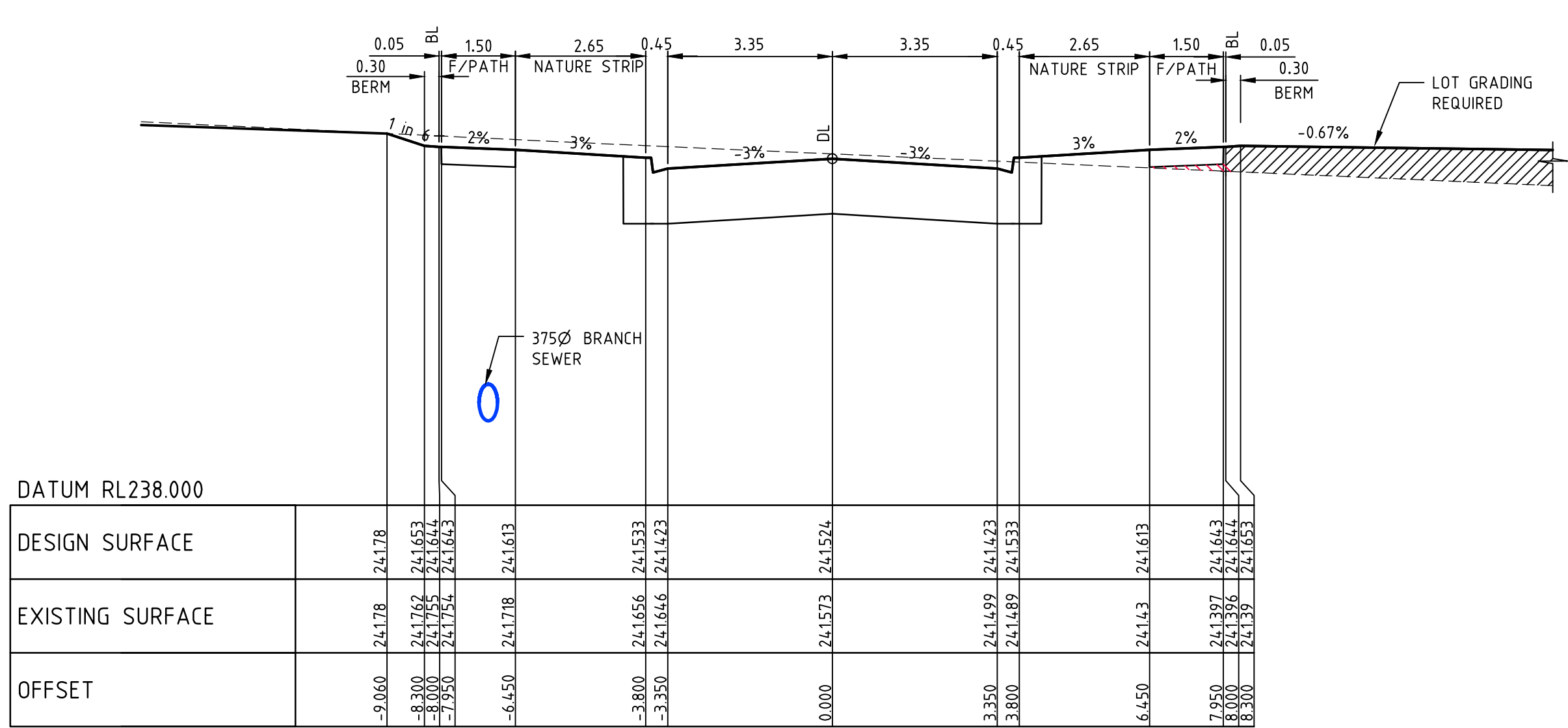
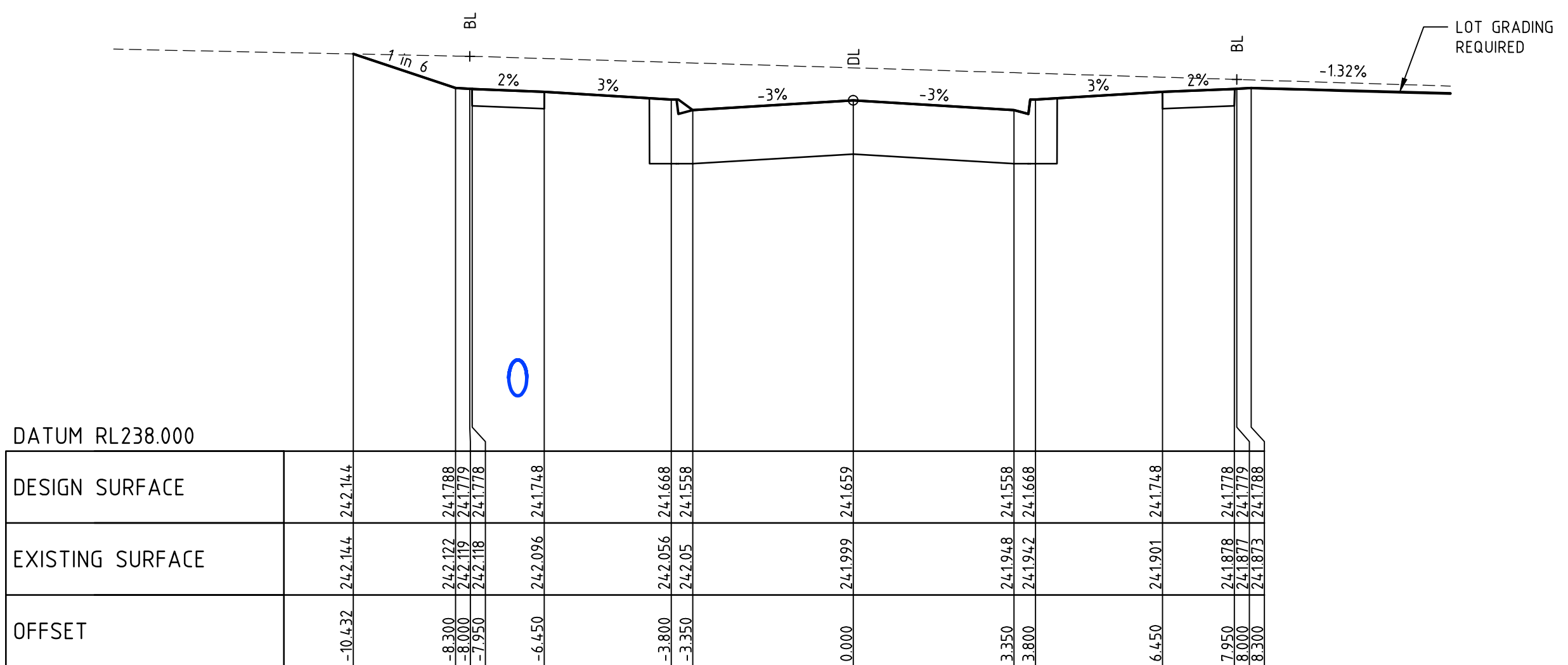
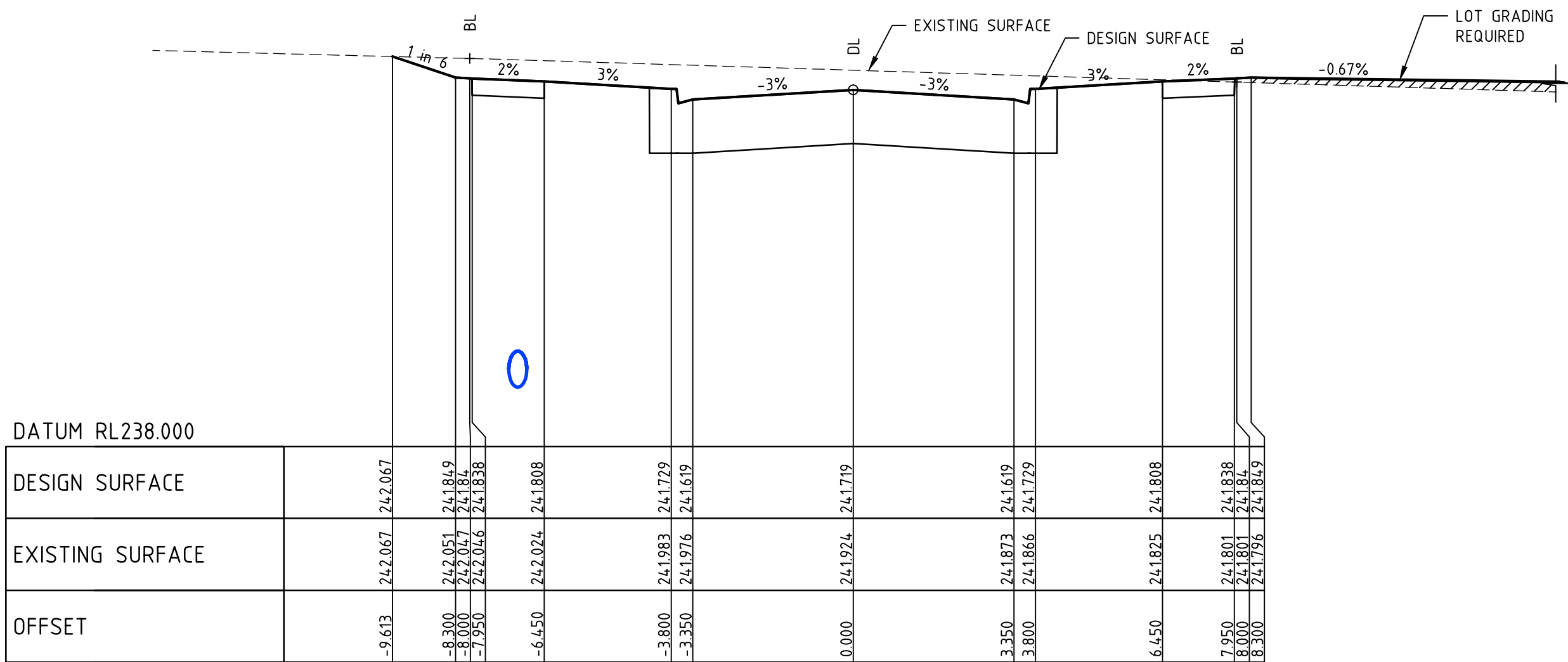
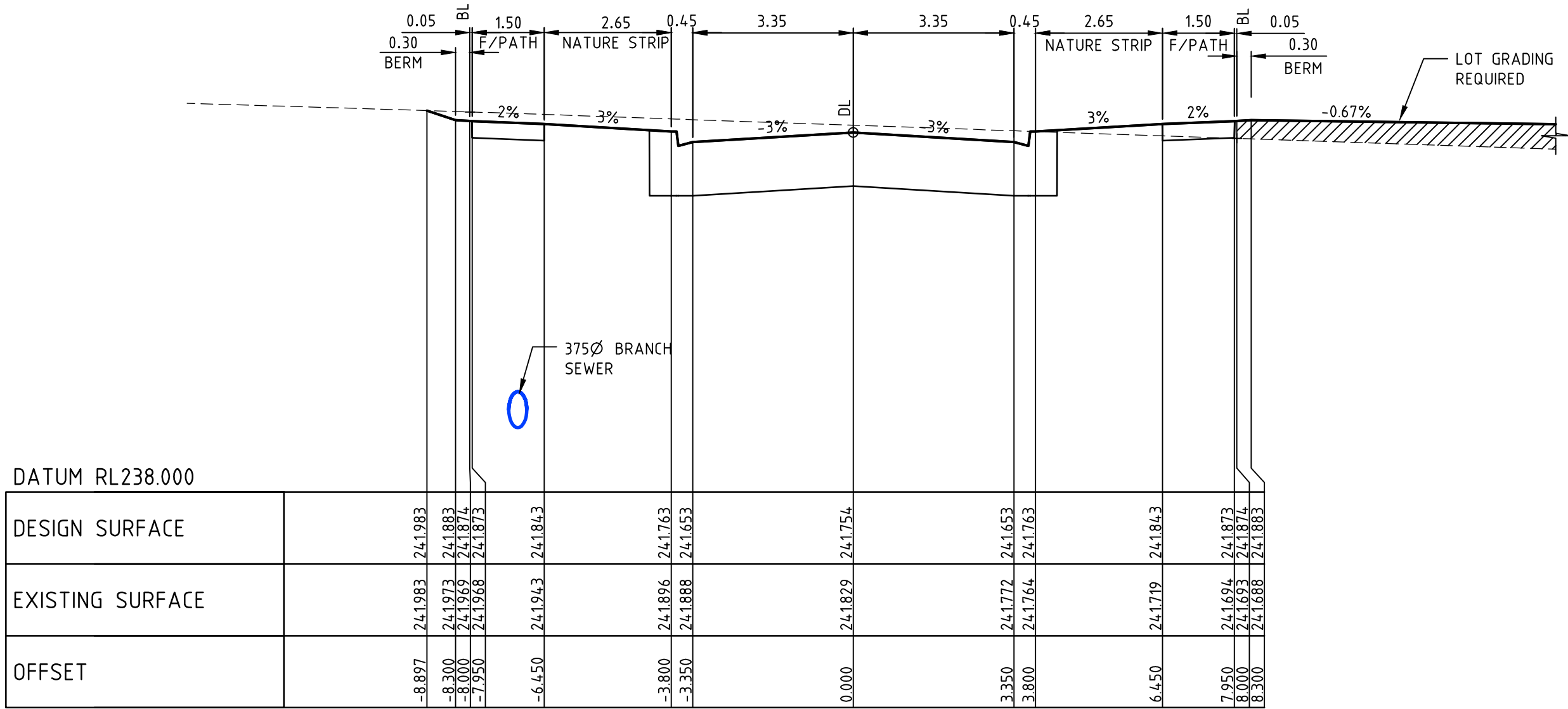
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Levels: AHD

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Ver 1:50 0m 0.5m 1m 2m 3m

Scale @ A1/A3 1:100/1:200



Drawing File: G:\Design\11700\11730-MERRIFIELD - Prelim 1 - Stage 10\Acad\RD\11730XS03.dwg - 11730XS03
Date/Time: Fri Feb 26, 2016 - 10:02:00 - Robert Young---



FENWICK PARADE

REV	AMENDMENTS	DATE	APP'D.
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1	RE-ISSUE FOR CONSTRUCTION	09/11/15	TL
0	ISSUE FOR CONSTRUCTION	29/10/15	TL

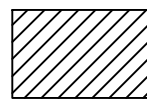
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Date: 23/02/15
AN 1541076
Verified B.GORDON
Date: 26/03/15
AN 162173
Audited S.LEA
Date: 01/10/15
AN 1061946
Approved T.LIAKOPOULOS
Date: 09/11/15
AN 884723

AS CONSTRUCTED

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 11735TD01 NOTES, WITH LEVEL 1 SUPERVISION IN ACCORDANCE WITH AS3798-2007.

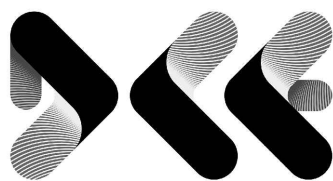


STRUCTURAL FILL



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Levels: AHD
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Ver 1:50 0m 0.5m 1m 2m 3m
Scale @ A1/A3 1:100/1:200

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 10
CROSS SECTIONS
SHEET 03 OF 07
Drawing No. 11730XS03 Rev 2
Sheet No. 15 AS CONSTRUCTED
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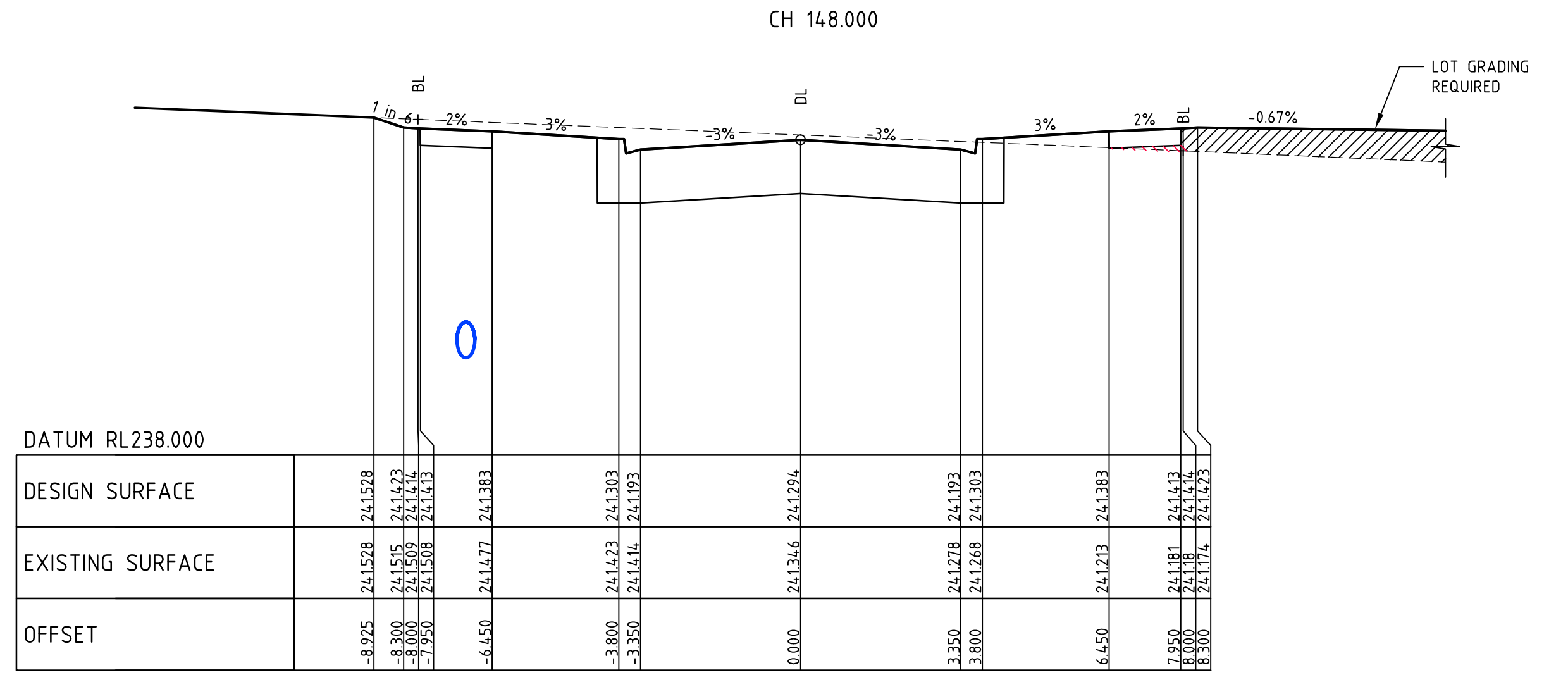
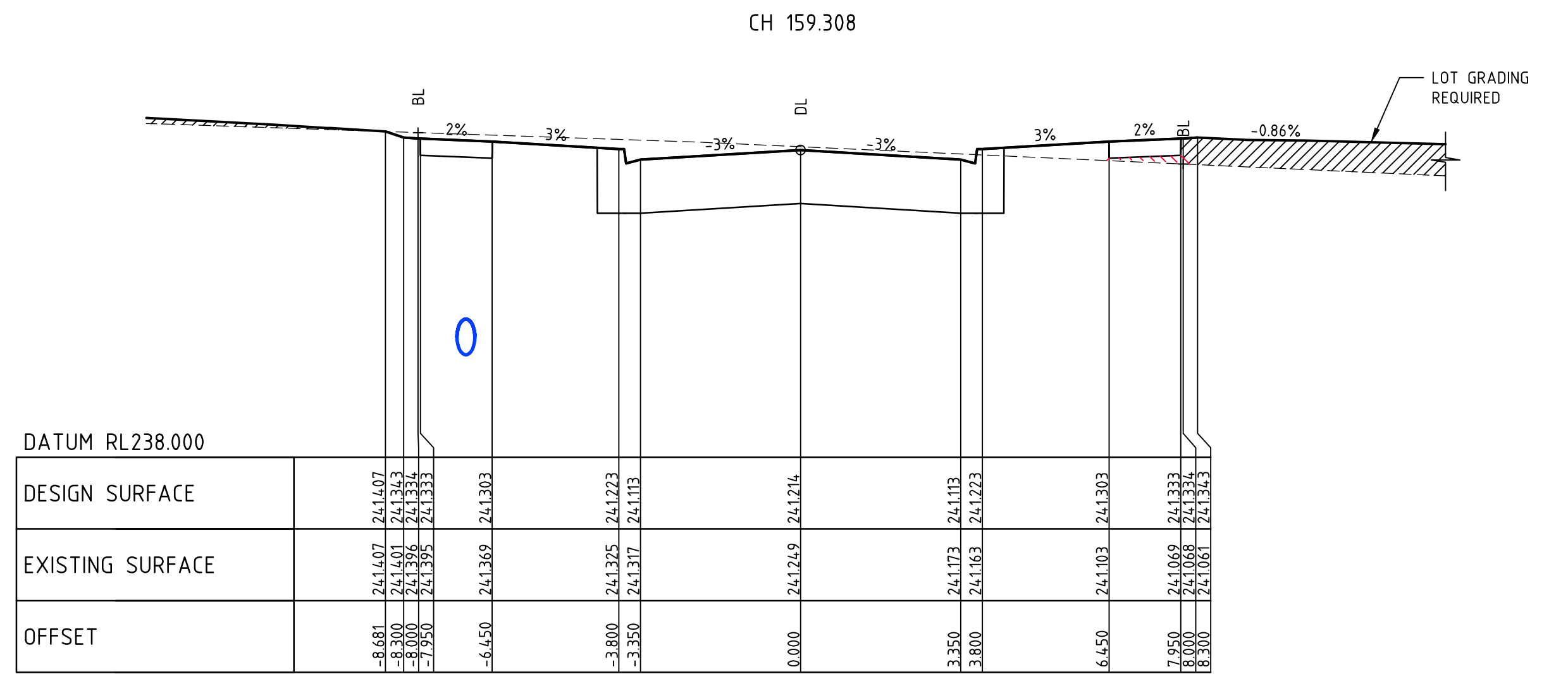
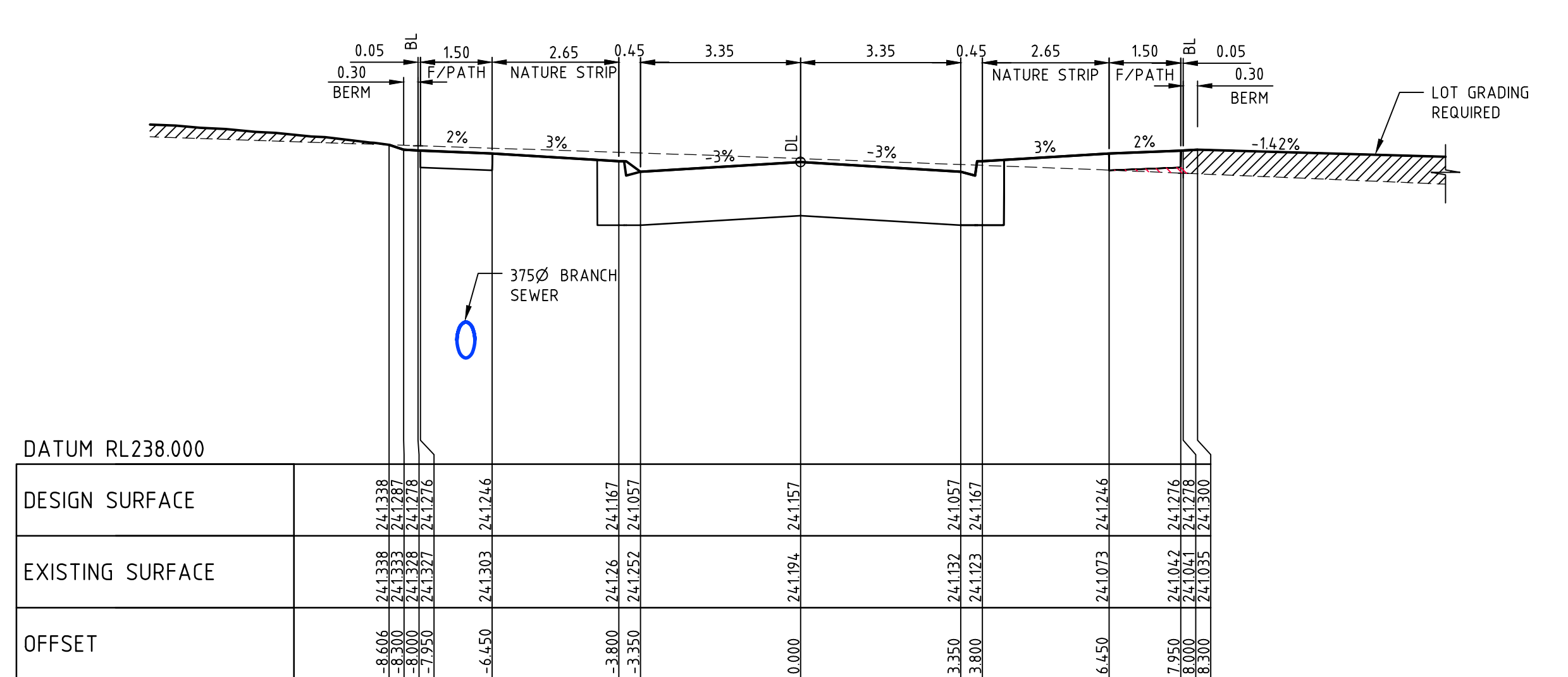
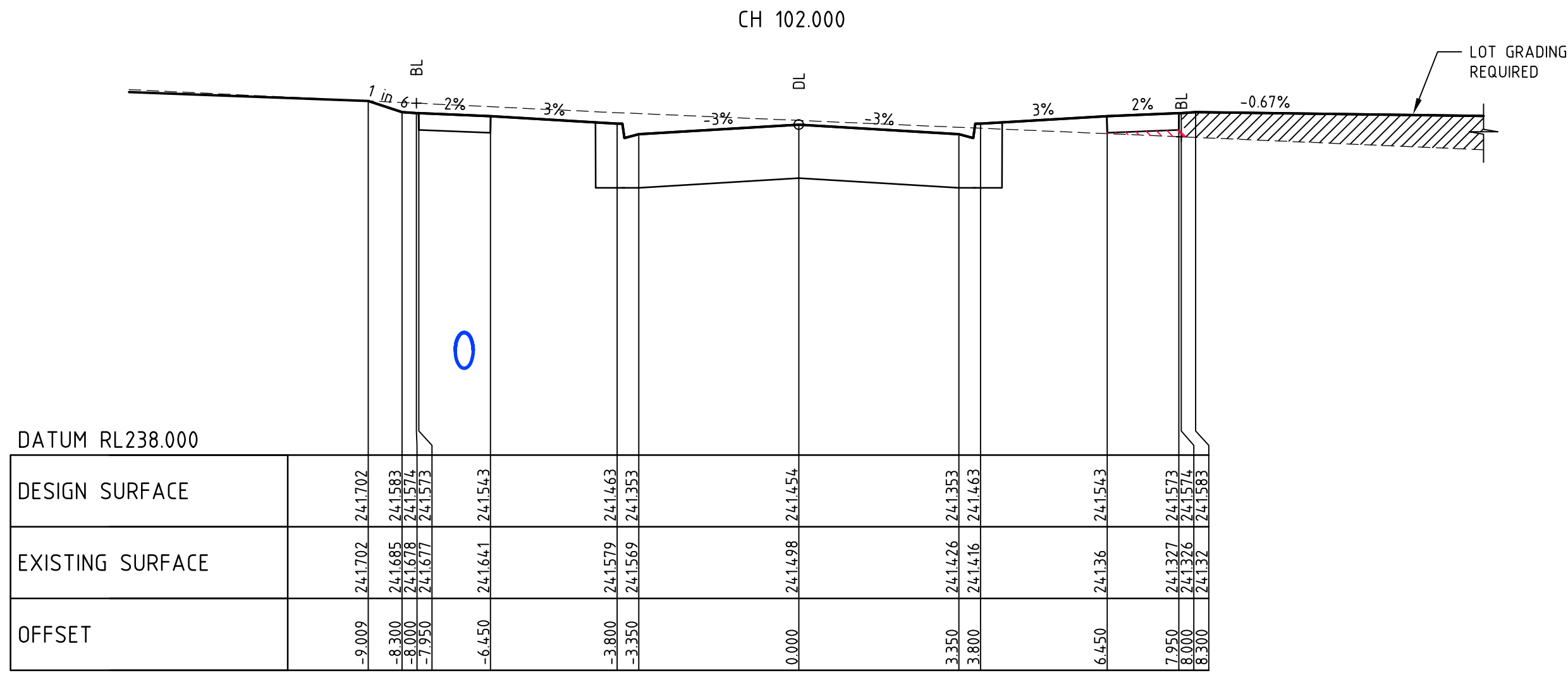
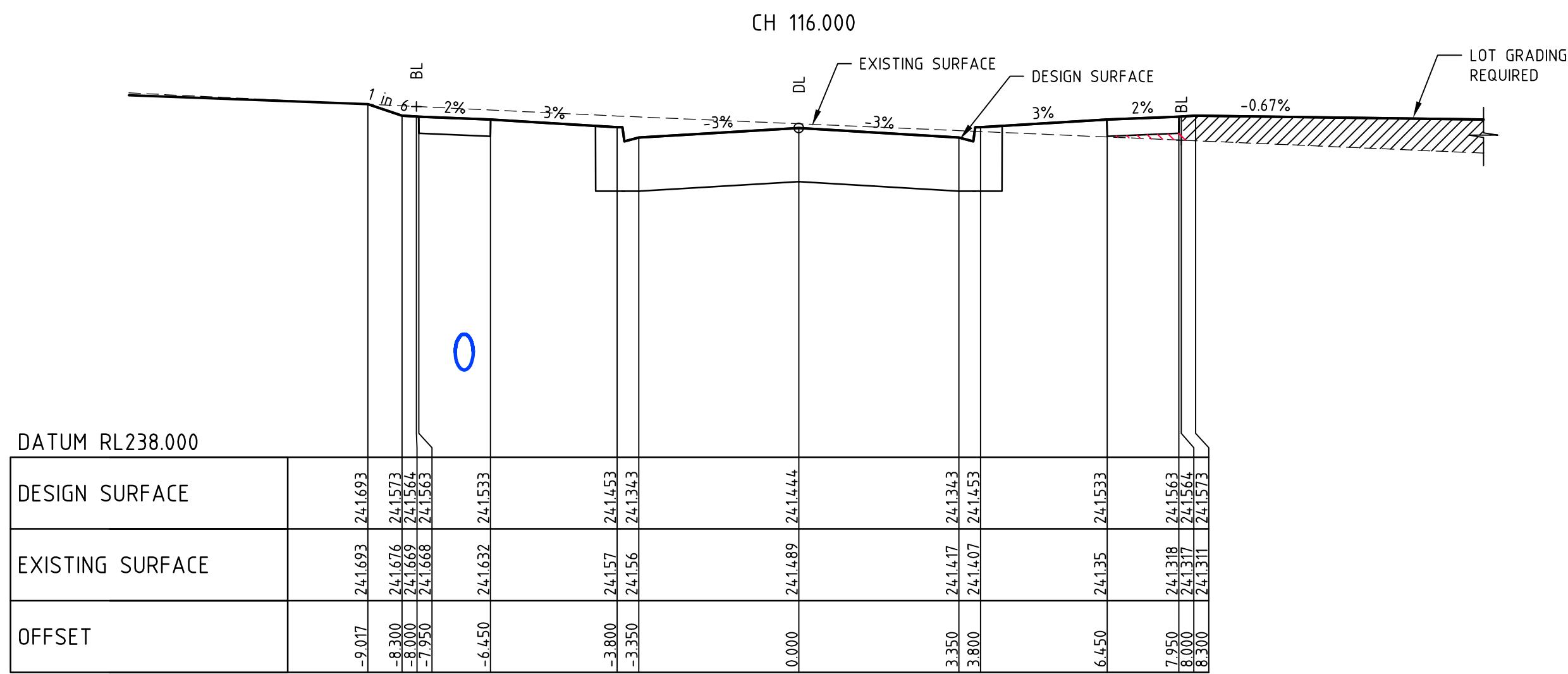
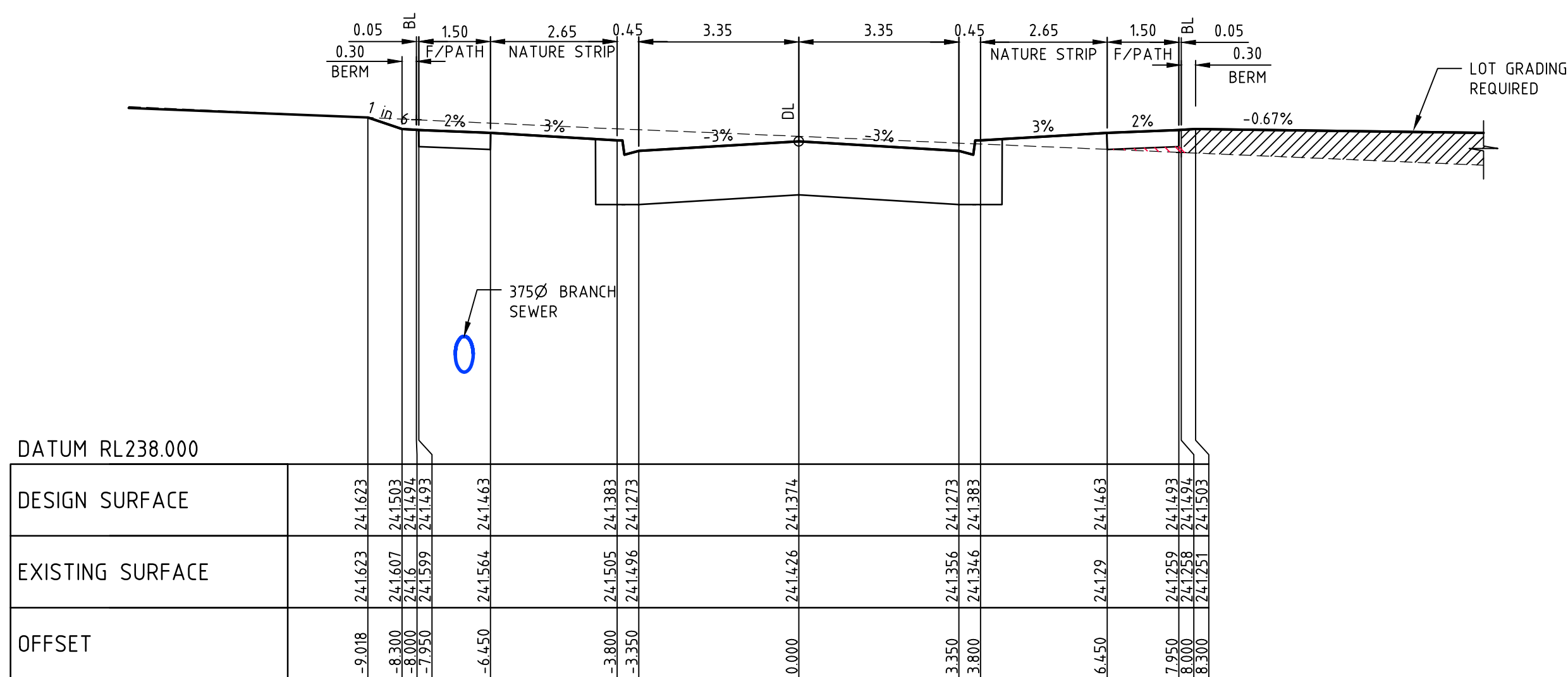
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FENWICK PARADE

REV	AMENDMENTS	DATE	APP'D.
2	AS CONSTRUCTED	26/02/16	TL
1	RE-ISSUE FOR CONSTRUCTION	09/11/15	TL
0	ISSUE FOR CONSTRUCTION	29/10/15	TL

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Designed N.MIRATANA
Date 23/02/15
AN 1541077
Verified B.GORDON
Date 26/03/15
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Audited S.LEA
Date 01/10/15
AN 1061947
Approved T.LIAKOPOULOS
Date 09/11/15
AN 884724

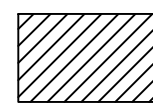
Written dimensions to take precedence over scale. Contractor shall check and verify all dimensions on site. Discrepancies to be brought to the attention of the Superintendent.

AS CONSTRUCTED

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 11735TD01 NOTES, WITH LEVEL 1 SUPERVISION IN ACCORDANCE WITH AS3798-2007.

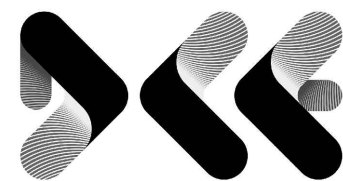


STRUCTURAL FILL

merrifield
MAB gpc

Coords: MGA
Levels: AHD
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Ver 1:50 0m 0.5m 1m 2m 3m
Scale @ A1/A3 1:100/1:200

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 10
CROSS SECTIONS
SHEET 04 OF 07
Drawing No. 11730XS04 Rev 2
Sheet No. 16 AS CONSTRUCTED
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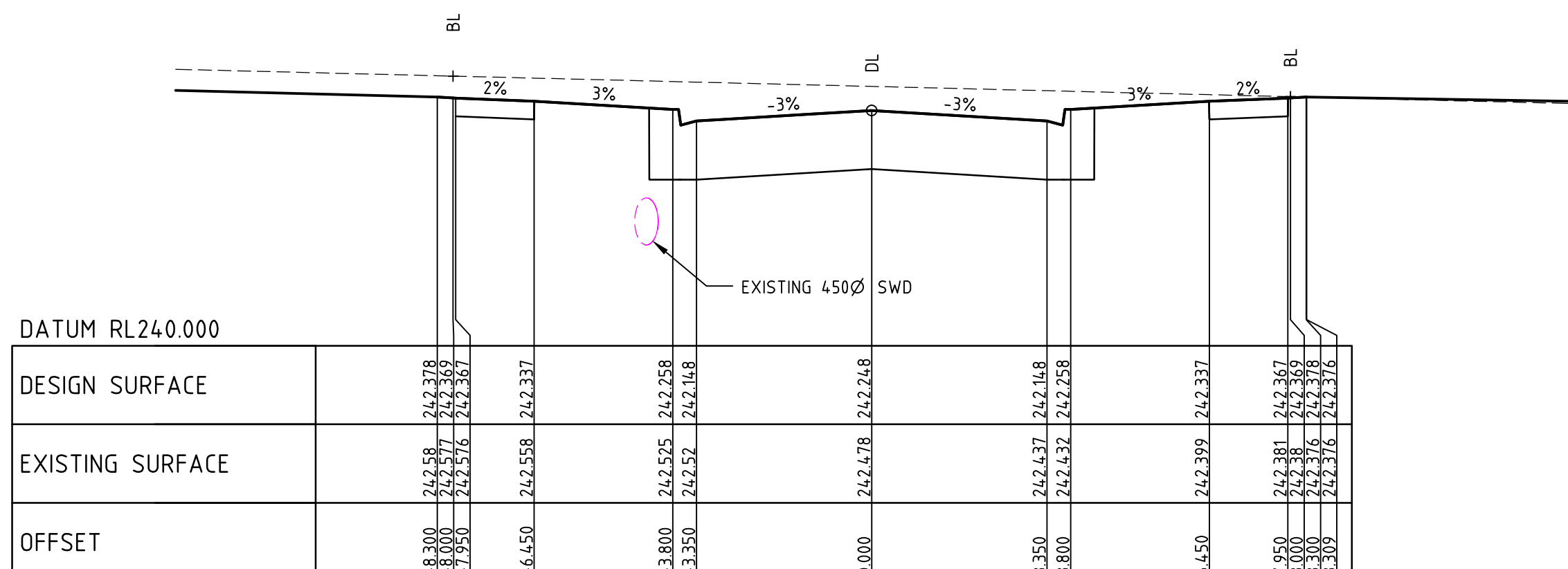
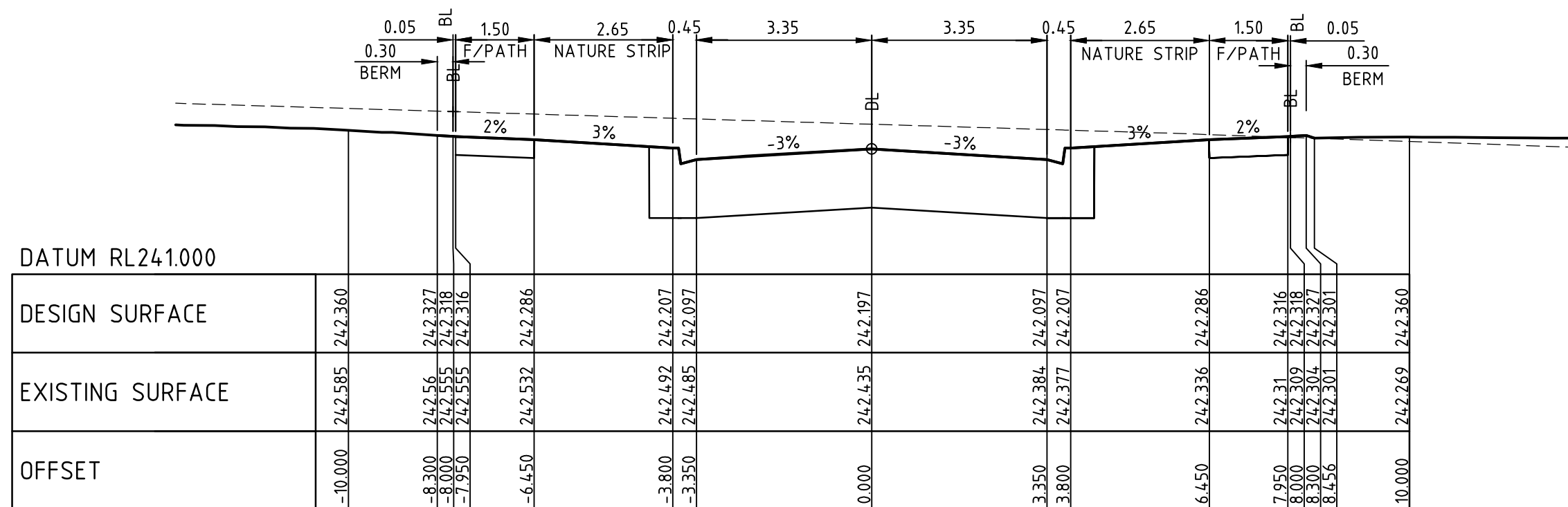
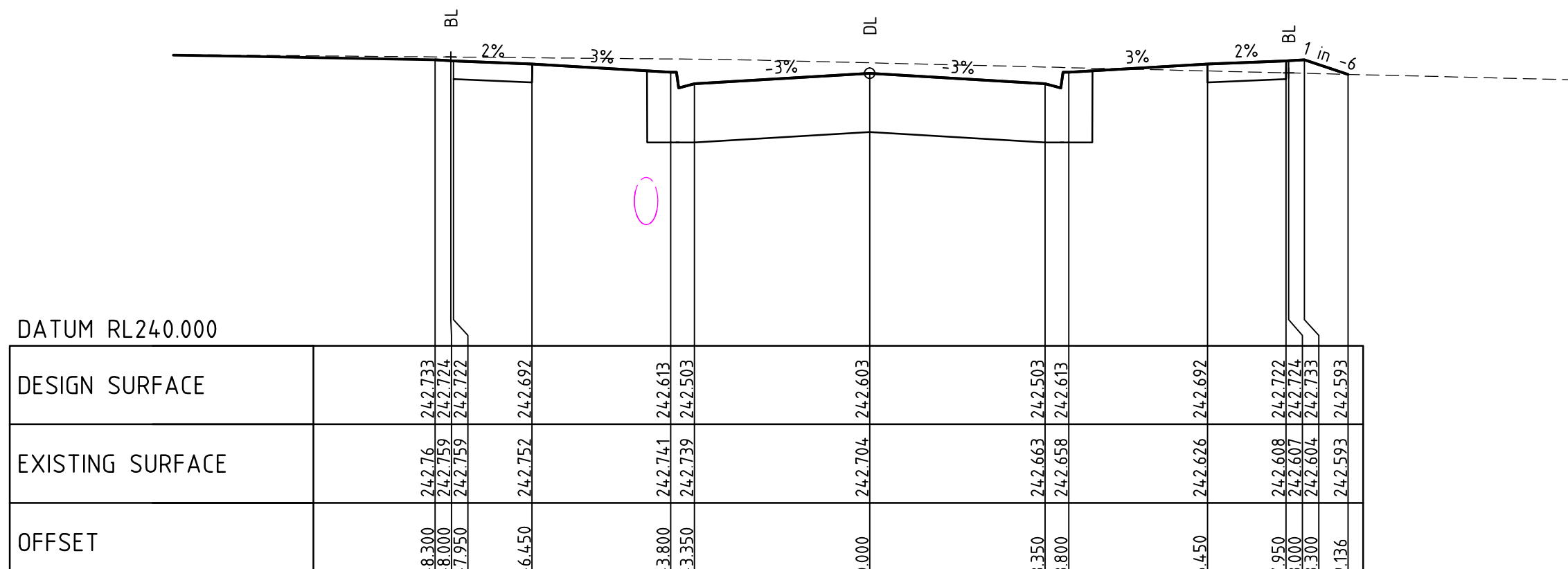
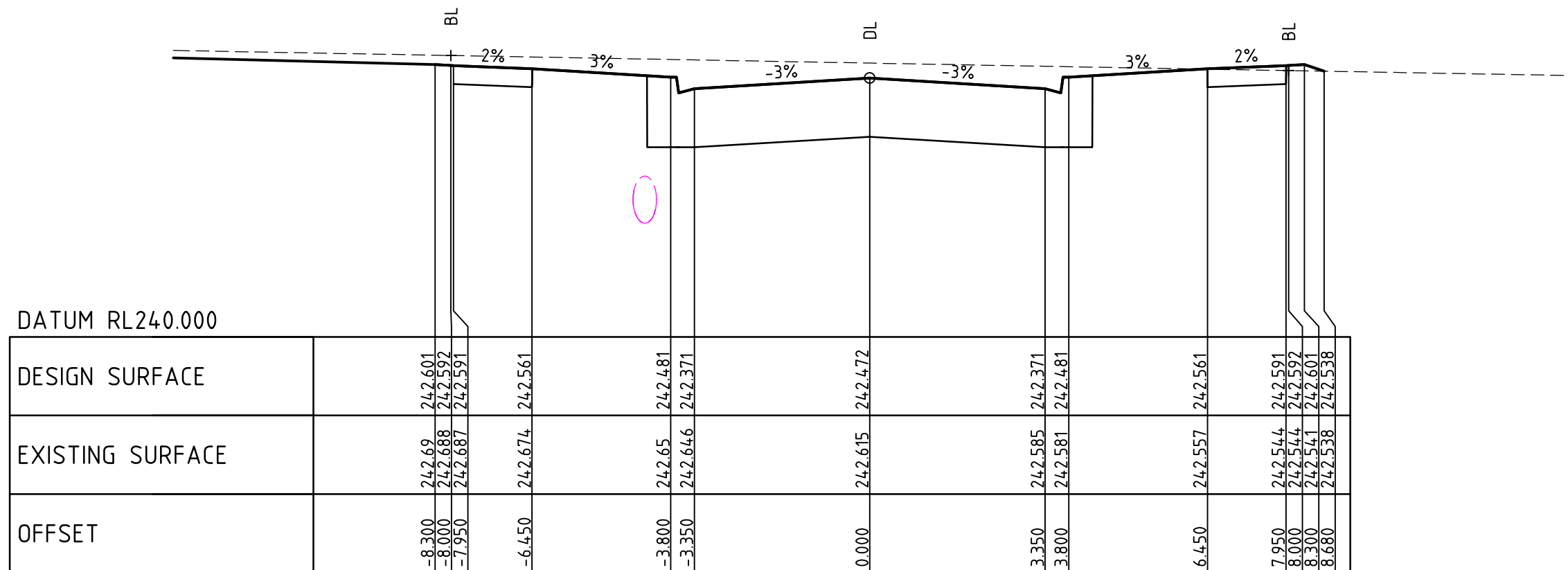
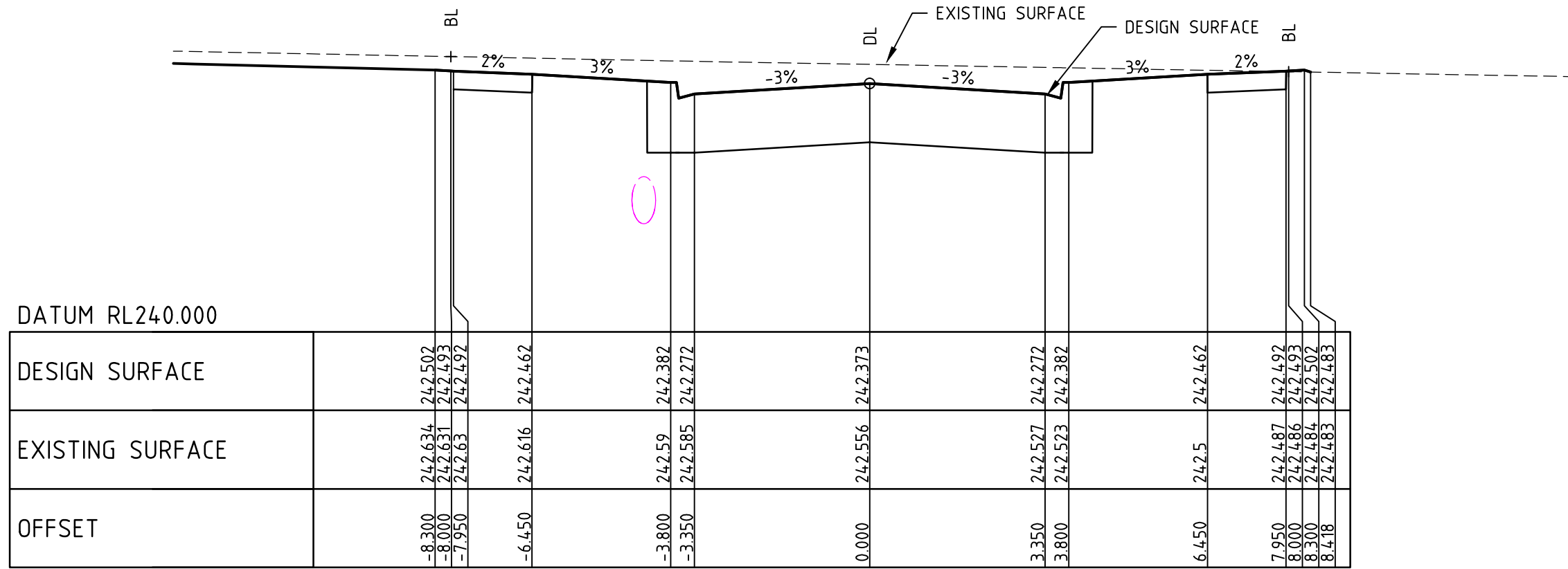
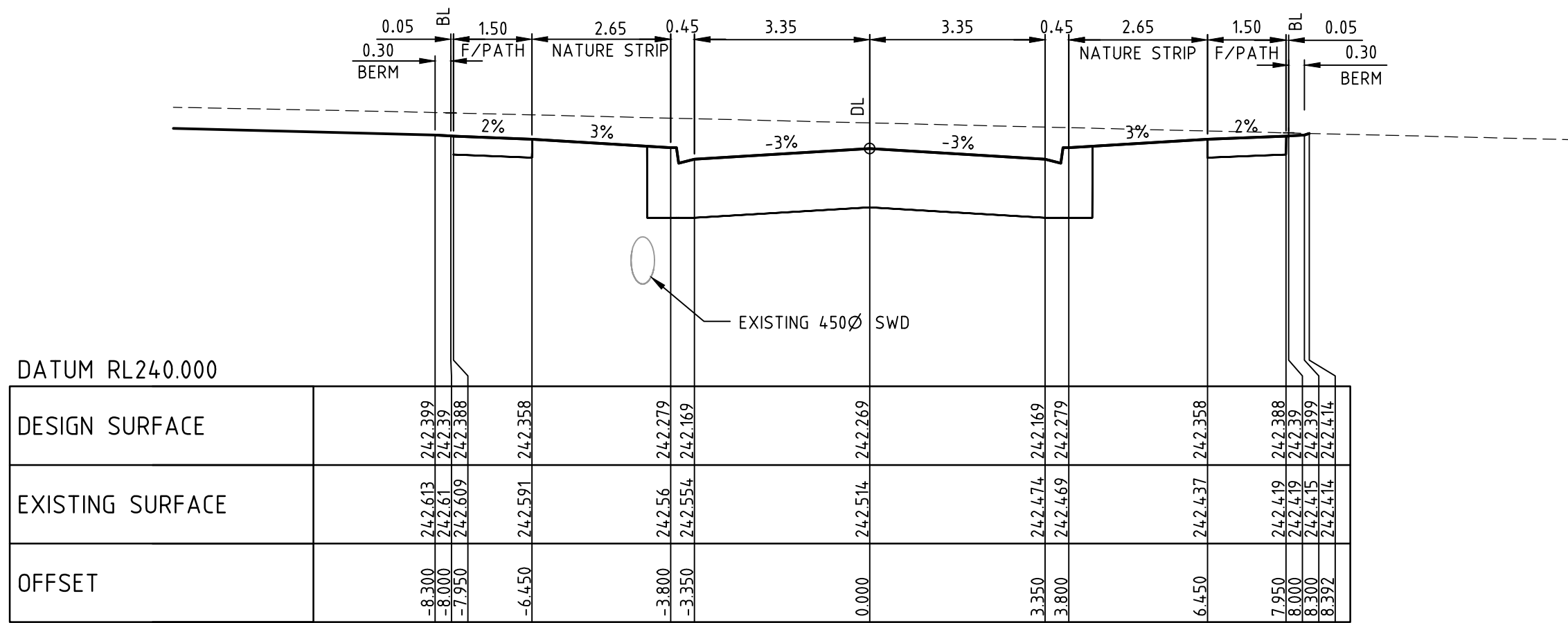


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REV	AMENDMENTS	DATE	APP'D.
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0	ISSUE FOR CONSTRUCTION	29/10/15	TL

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Date 23/02/15
AN 1541078
Verified B.GORDON
Date 26/03/15
AN 162175
Audited S.LEA
Date 01/10/15
AN 1061948
Approved T.LIAKOPOULOS
Date 09/11/15
AN 884725

AS CONSTRUCTED

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.

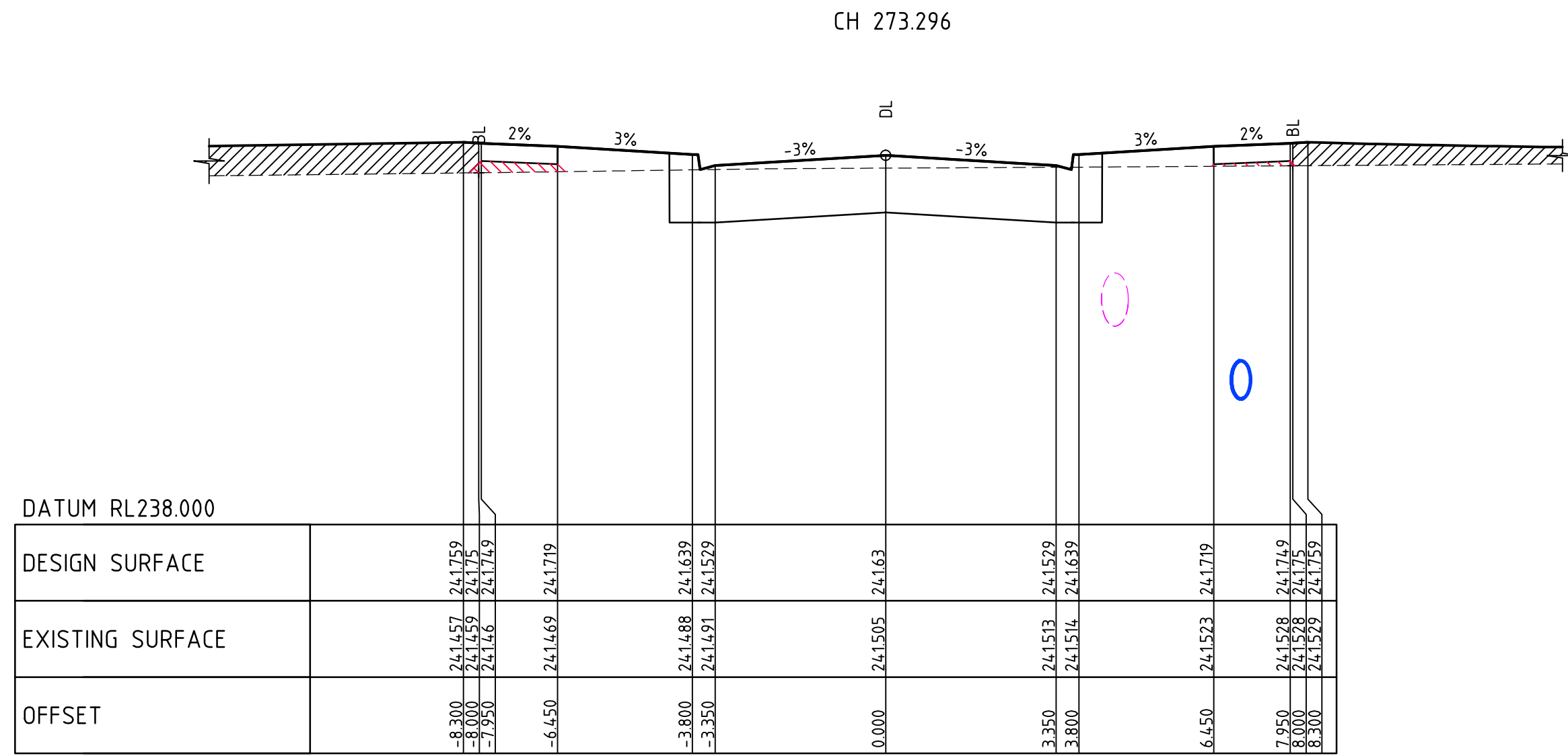
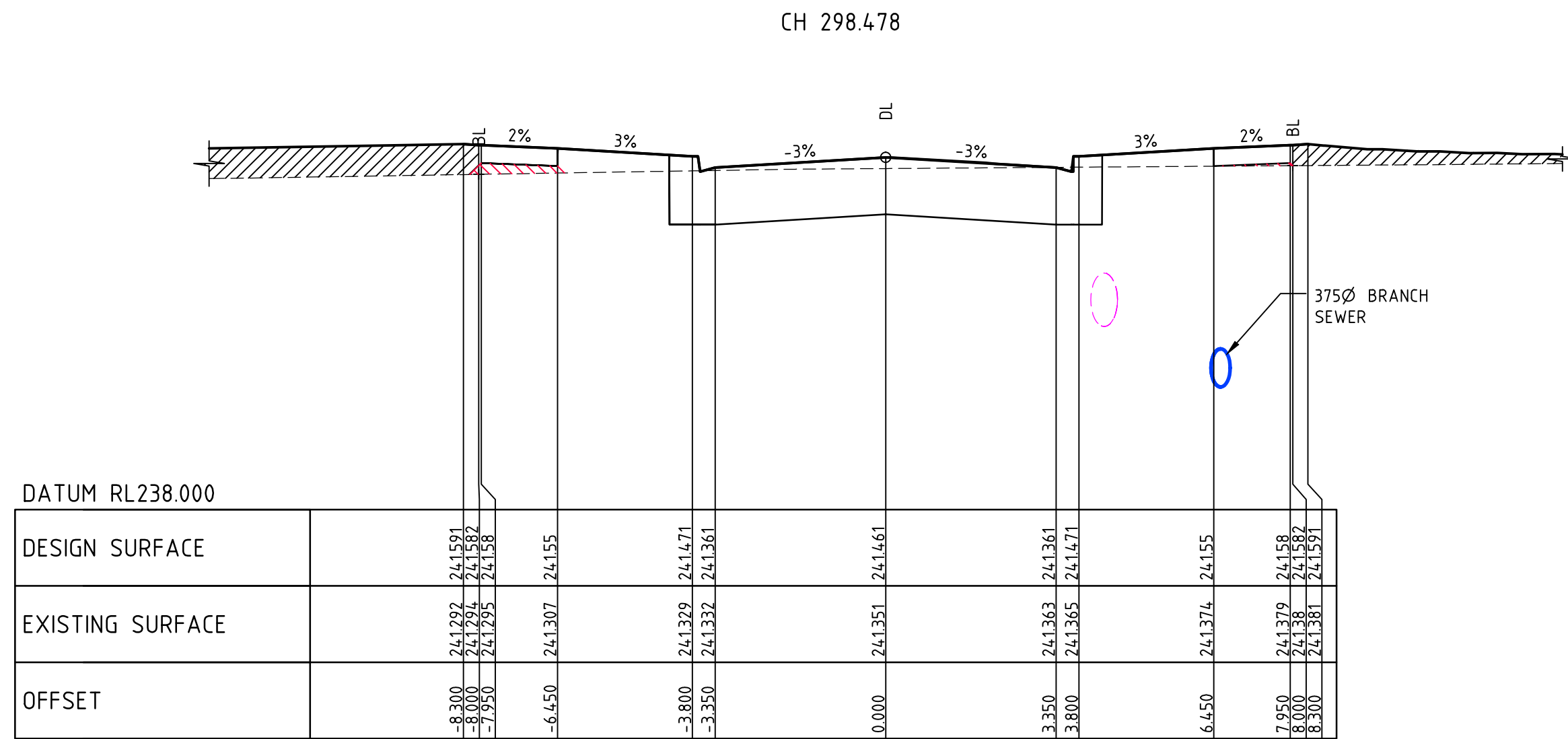
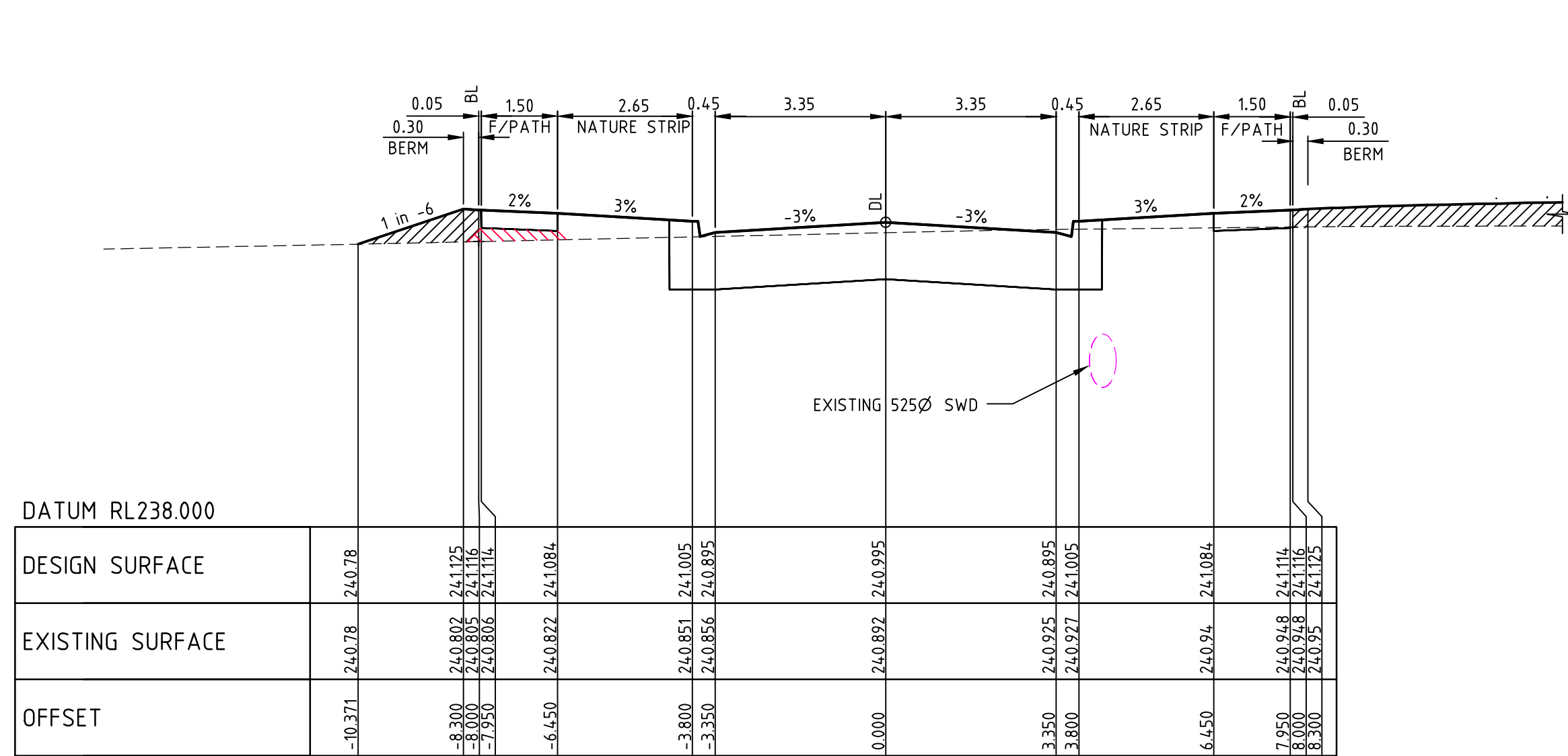
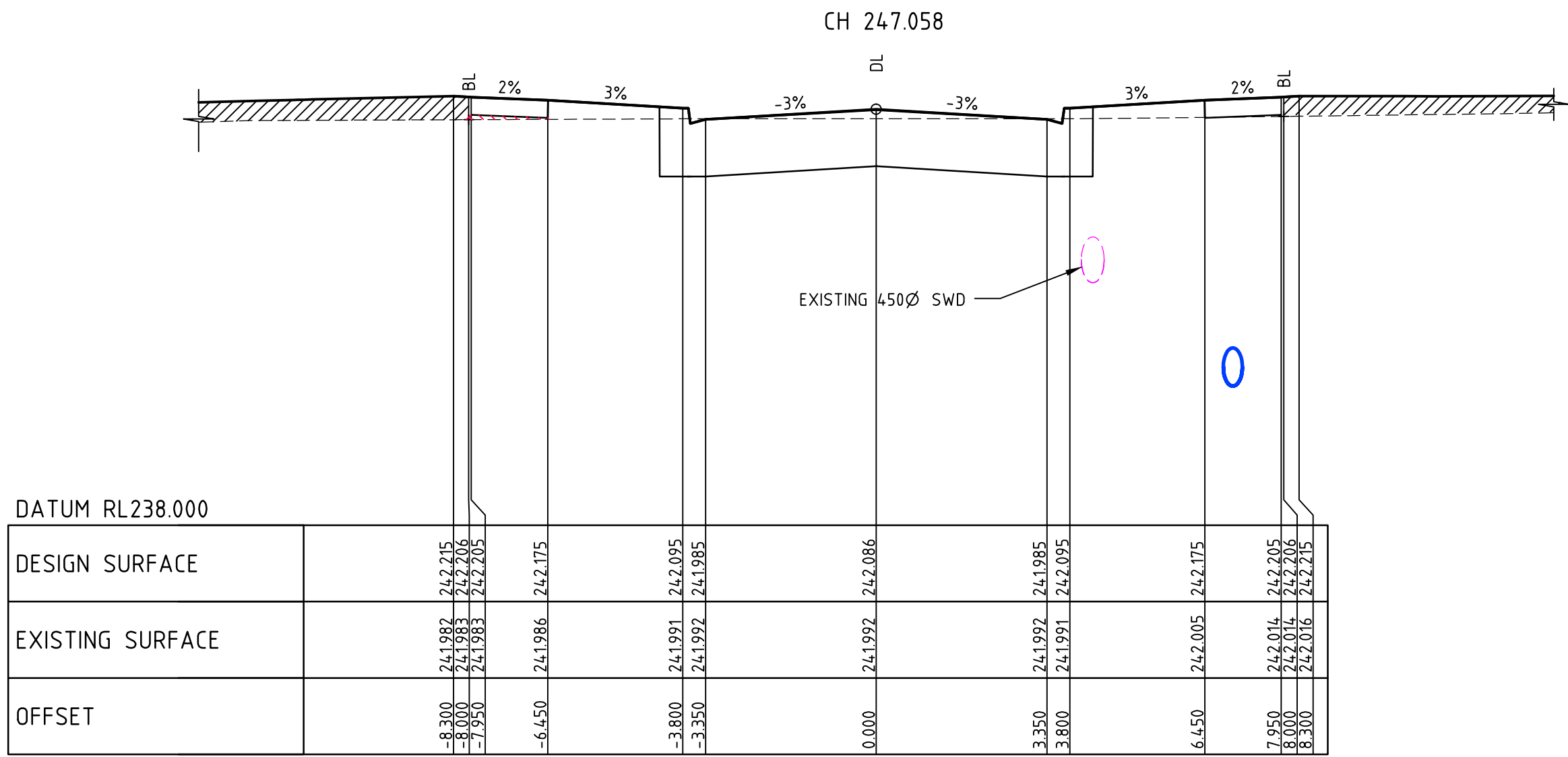
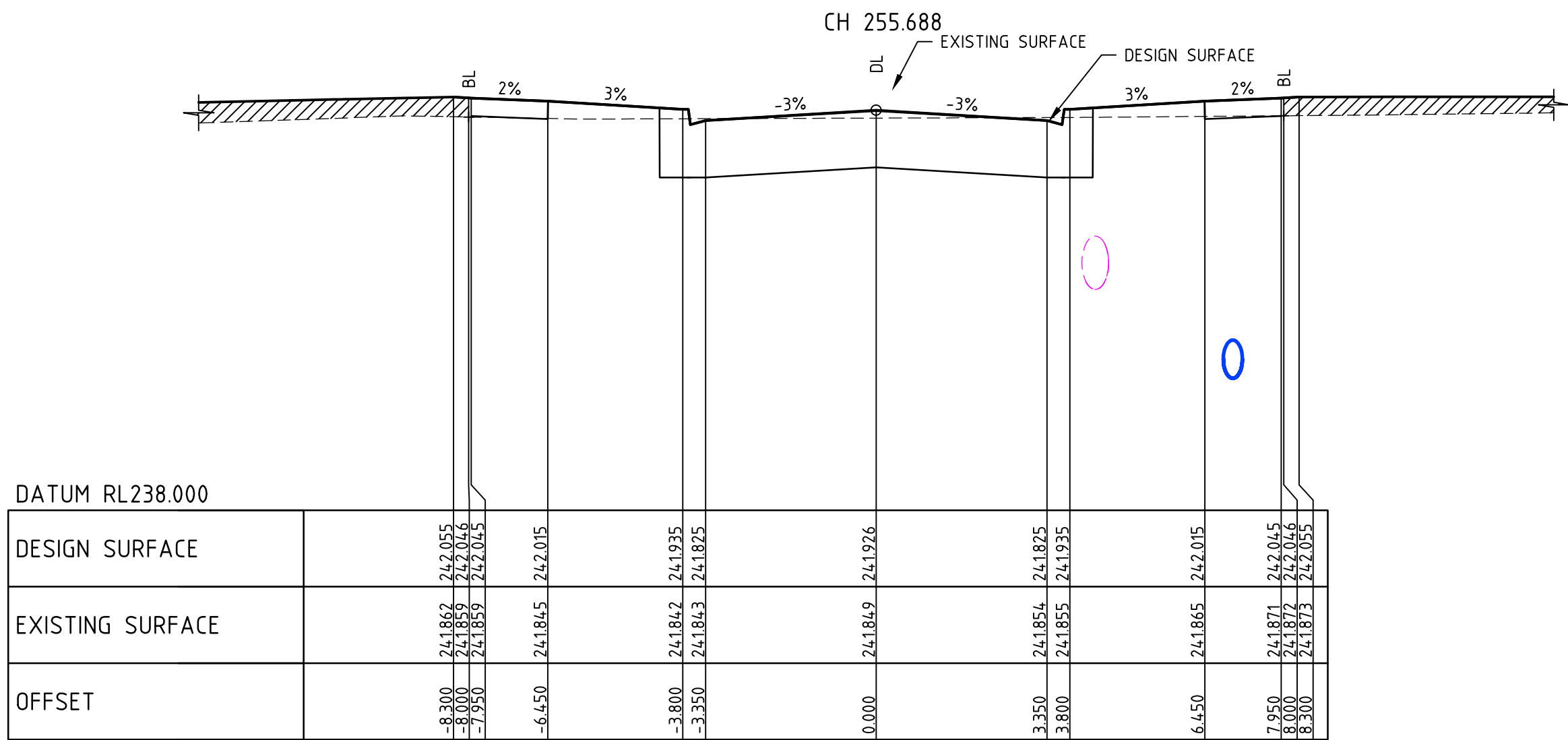
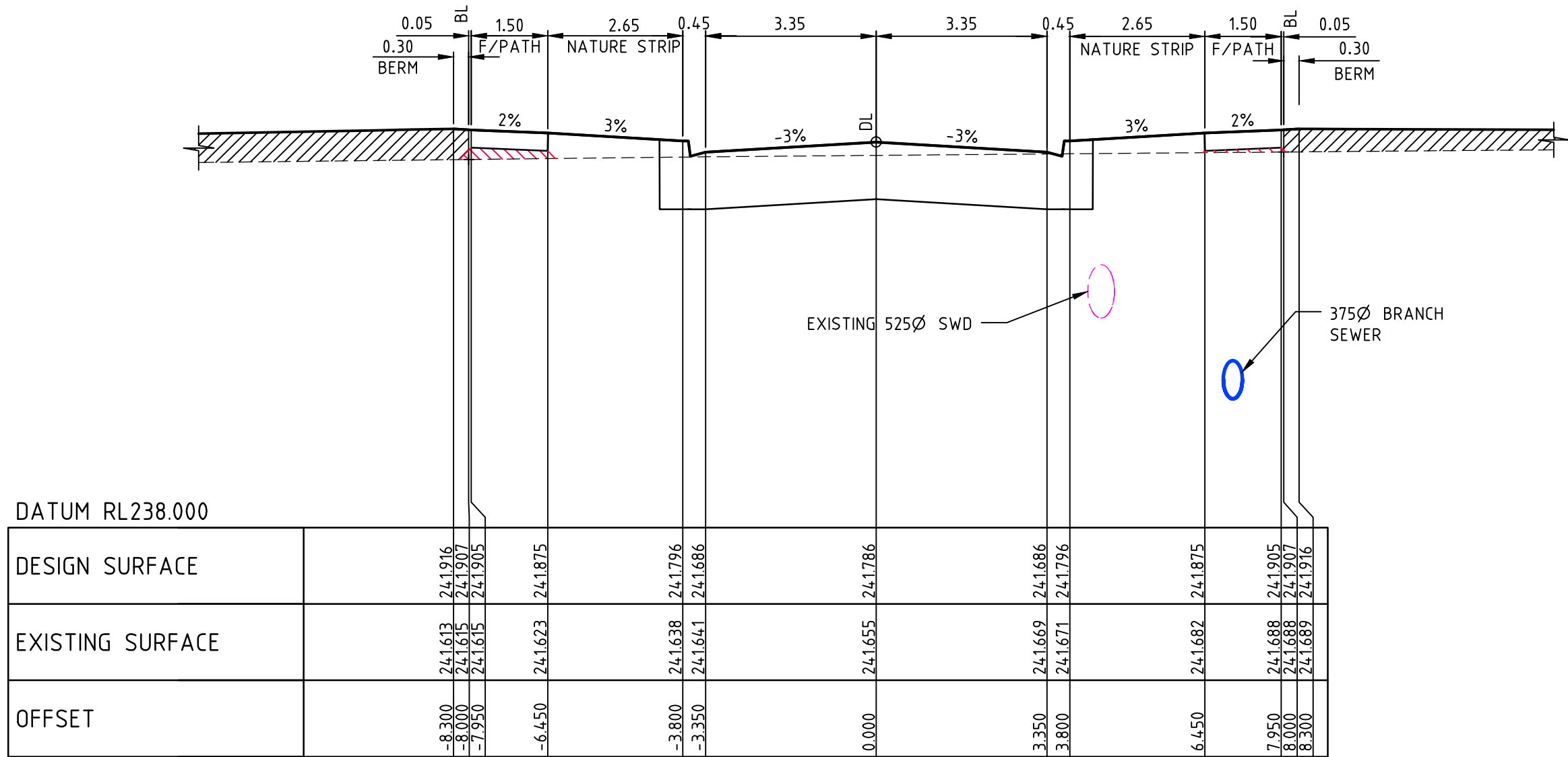
BEDFORD WAY

merrifield
MAB gpc
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Scale @ A1/A3 1:100/1:200

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 10
CROSS SECTIONS
SHEET 05 OF 07
Drawing No. 11730XS05
Rev 2
AS CONSTRUCTED
Sheet No. 17
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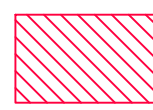


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1	RE-ISSUE FOR CONSTRUCTION	09/11/15	TL
0	ISSUE FOR CONSTRUCTION	29/10/15	TL

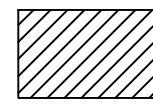
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Designed N.MIRATANA
Date 23/02/15
AN 1541079
Verified B.GORDON
Date 26/03/15
AN 162176
Audited S.LEA
Date 01/10/15
AN 1061949
Approved T.LIAKOPOULOS
Date 09/11/15
AN 884726

AS CONSTRUCTED

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 11735TD01 NOTES, WITH LEVEL 1 SUPERVISION IN ACCORDANCE WITH AS3798-2007.

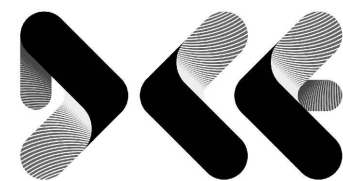


STRUCTURAL FILL

merrifield
MAB gpc

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Scale @ A1/A3 1:100/1:200

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 10
CROSS SECTIONS
SHEET 06 OF 07
Drawing No. 11730XS06 Rev 2
Sheet No. 18 AS CONSTRUCTED
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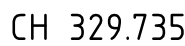


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VAUTIER AVENUE

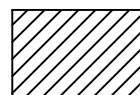
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LEGEND



DENOTES ENGINEERED FILL TO BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT
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 CITY COUNCIL REFER TO DWG 11735TD01 NOTES, WITH LEVEL 1 SUPERVISION IN
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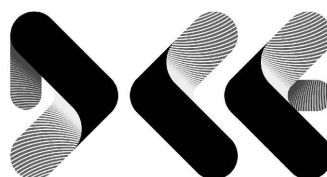


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MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 10
CROSS SECTIONS
SHEET 07 OF 07
Drawing No. 11730XS07 Rev 2
 Sheet No. 19 **AS CONSTRUCTED**
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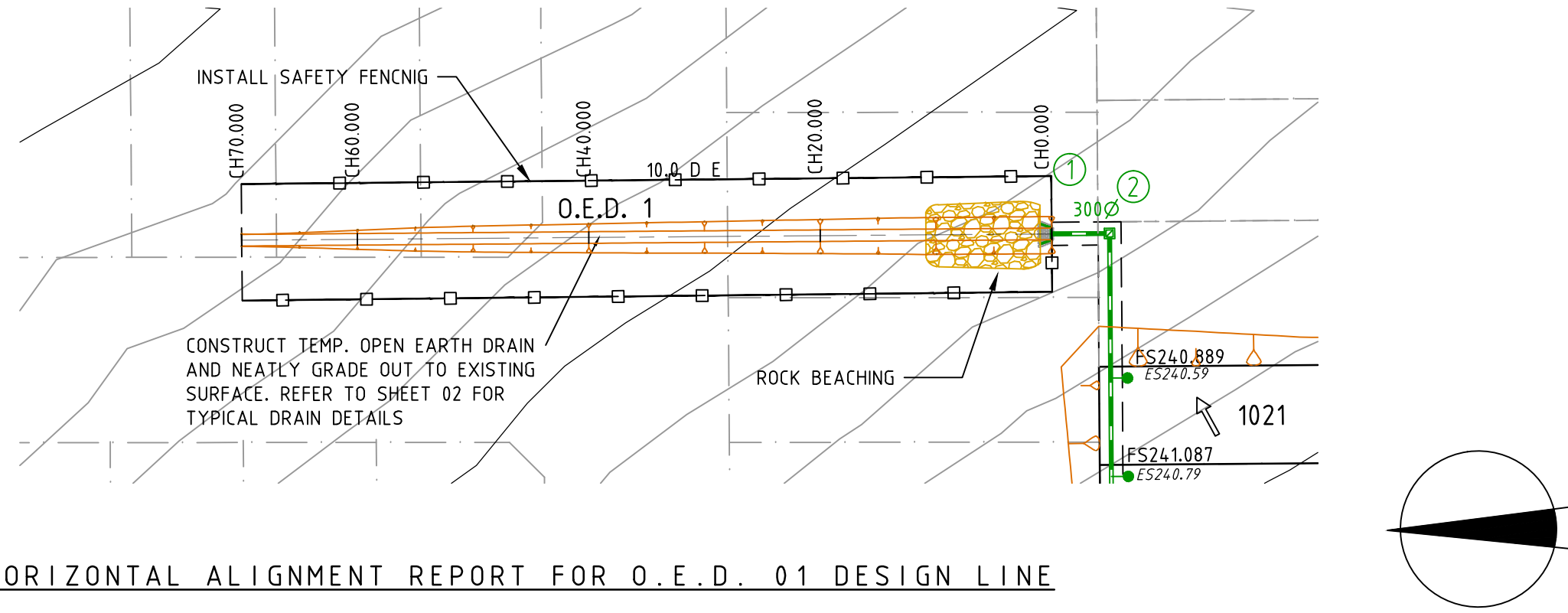


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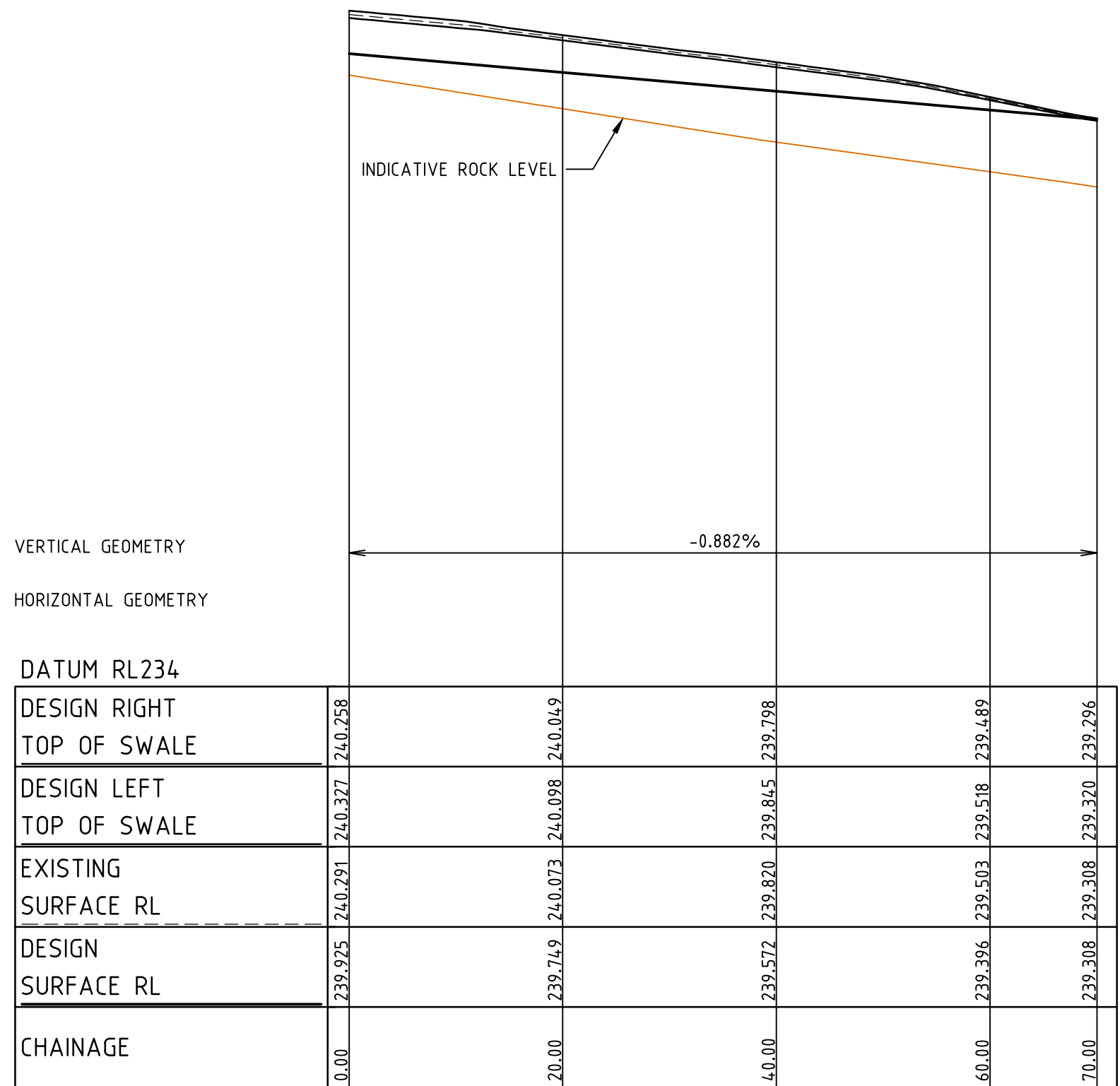
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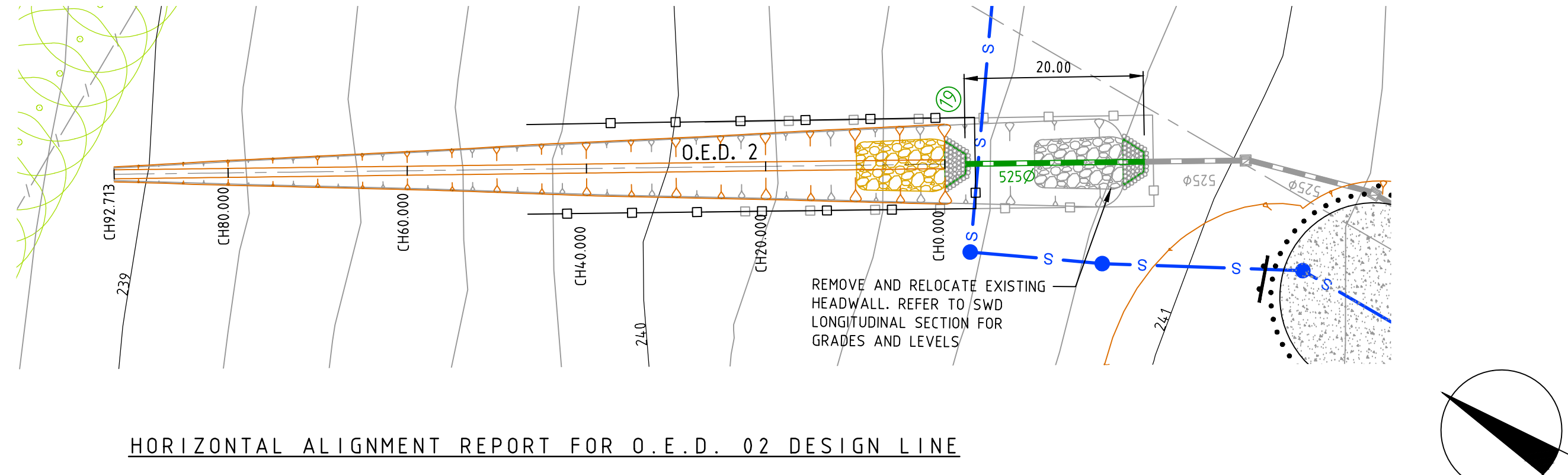


HORIZONTAL ALIGNMENT REPORT FOR O.E.D. 01 DESIGN LINE

POINT TYPE	CHAINAGE	COORDINATES		RL	BEARING DEG MIN SEC
		NORTHINGS	EASTINGS		
STRAIGHT (START ALN)	0.000	315363.491	5844207.135	239.925	7°03'10.00"
STRAIGHT	20.000	315365.947	5844226.984	239.749	7°03'10.00"
STRAIGHT	40.000	315368.402	5844246.832	239.572	7°03'10.00"
STRAIGHT	60.000	315370.858	5844266.681	239.396	7°03'10.00"
STRAIGHT (END ALN)	70.000	315372.086	5844276.605	239.308	7°03'10.00"

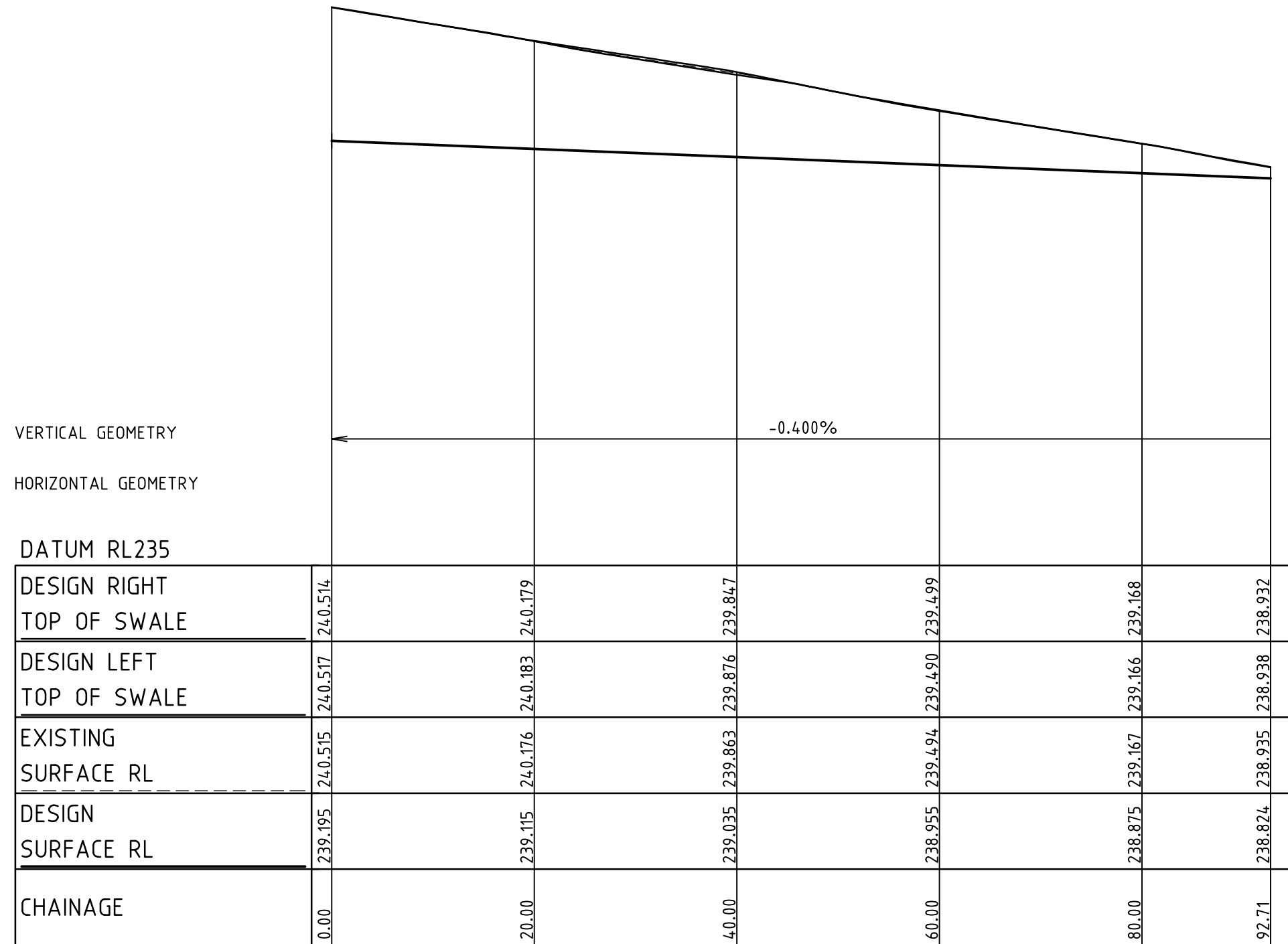


LONGITUDINAL SECTION OED 01 DESIGN LINE



HORIZONTAL ALIGNMENT REPORT FOR O.E.D. 02 DESIGN LINE

POINT TYPE	CHAINAGE	COORDINATES		RL	BEARING DEG MIN SEC
		EASTINGS	NORTHINGS		
STRAIGHT (START ALN)	0.000	315428.319	5844002.401	239.195	66°13'43.43"
STRAIGHT	20.000	315446.623	5844010.463	239.115	66°13'43.43"
STRAIGHT	40.000	315464.926	5844018.525	239.035	66°13'43.43"
STRAIGHT	60.000	315483.229	5844026.587	238.955	66°13'43.43"
STRAIGHT	80.000	315501.532	5844034.648	238.875	66°13'43.43"
STRAIGHT (END ALN)	92.713	315513.167	5844039.773	238.824	66°13'43.43"



LONGITUDINAL SECTION OED 02 DESIGN LINE

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.

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2	AS CONSTRUCTED	26/02/16	TL
1	RE-ISSUE FOR CONSTRUCTION	09/11/15	TL
0	ISSUE FOR CONSTRUCTION	29/10/15	TL

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Date 24/02/15
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Designed N.MIRATANA
Date 23/02/15
AN 1541298
Verified B.GORDON
Date 26/03/15
AN 162416
Audited S.LEA
Date 01/10/15
AN 1061951
Approved T.LIAKOPOULOS
Date 09/11/15
AN 884728

AS CONSTRUCTED

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merrifield
MAB gpc

MERRIFIELD DEVELOPMENT
DANNYBROOK ROAD, MICKLEHAM
STAGE 10
OPEN EARTH DRAIN PLAN

Coords: MGA
Levels: AHD
Hor 1:500 0m 5m 10m 20m 30m
Ver 1:50 0m 0.5m 1m 2m 3m
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Drawing No. 11730OED01 Rev 2
Sheet No. 20 AS CONSTRUCTED
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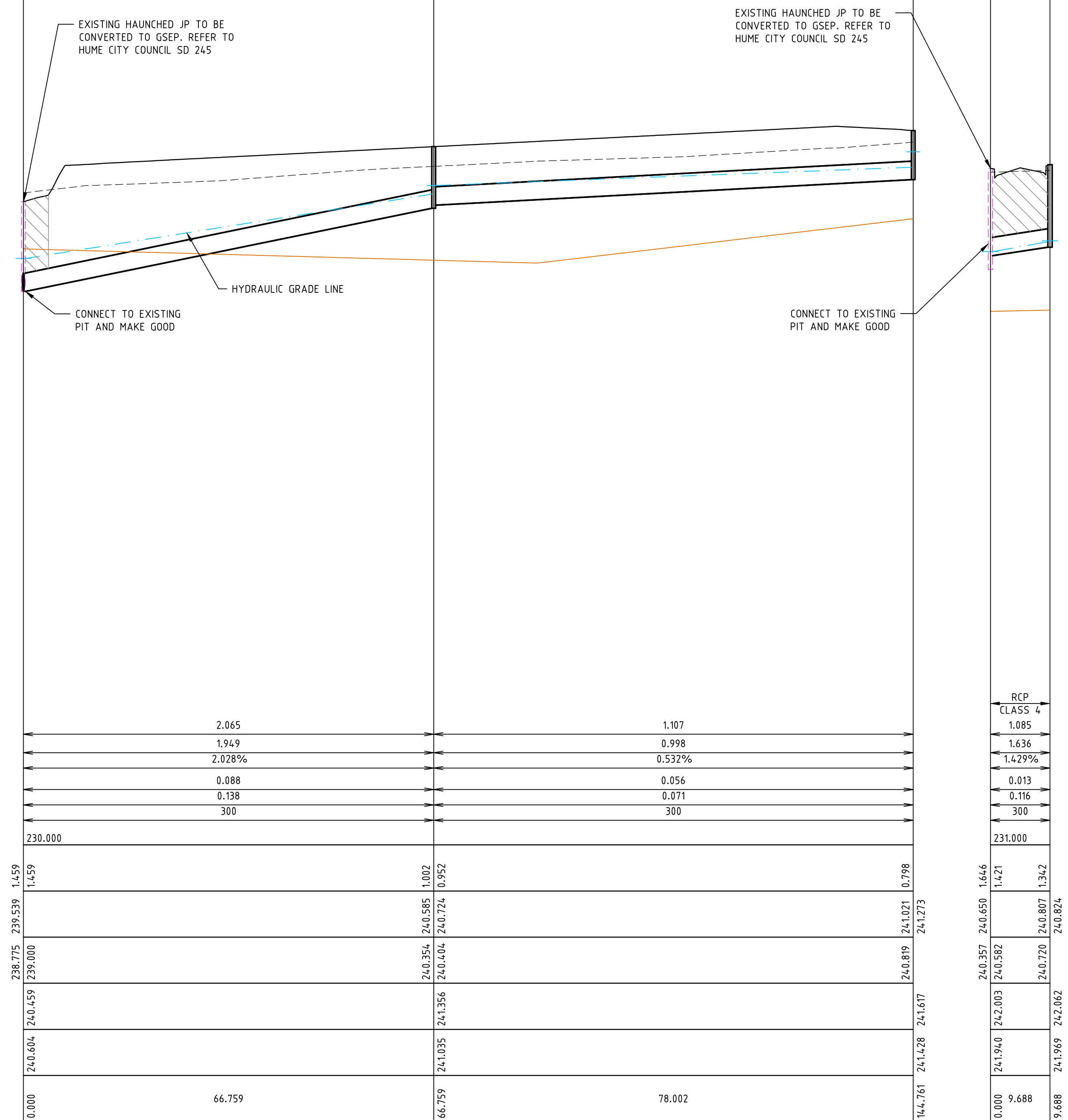
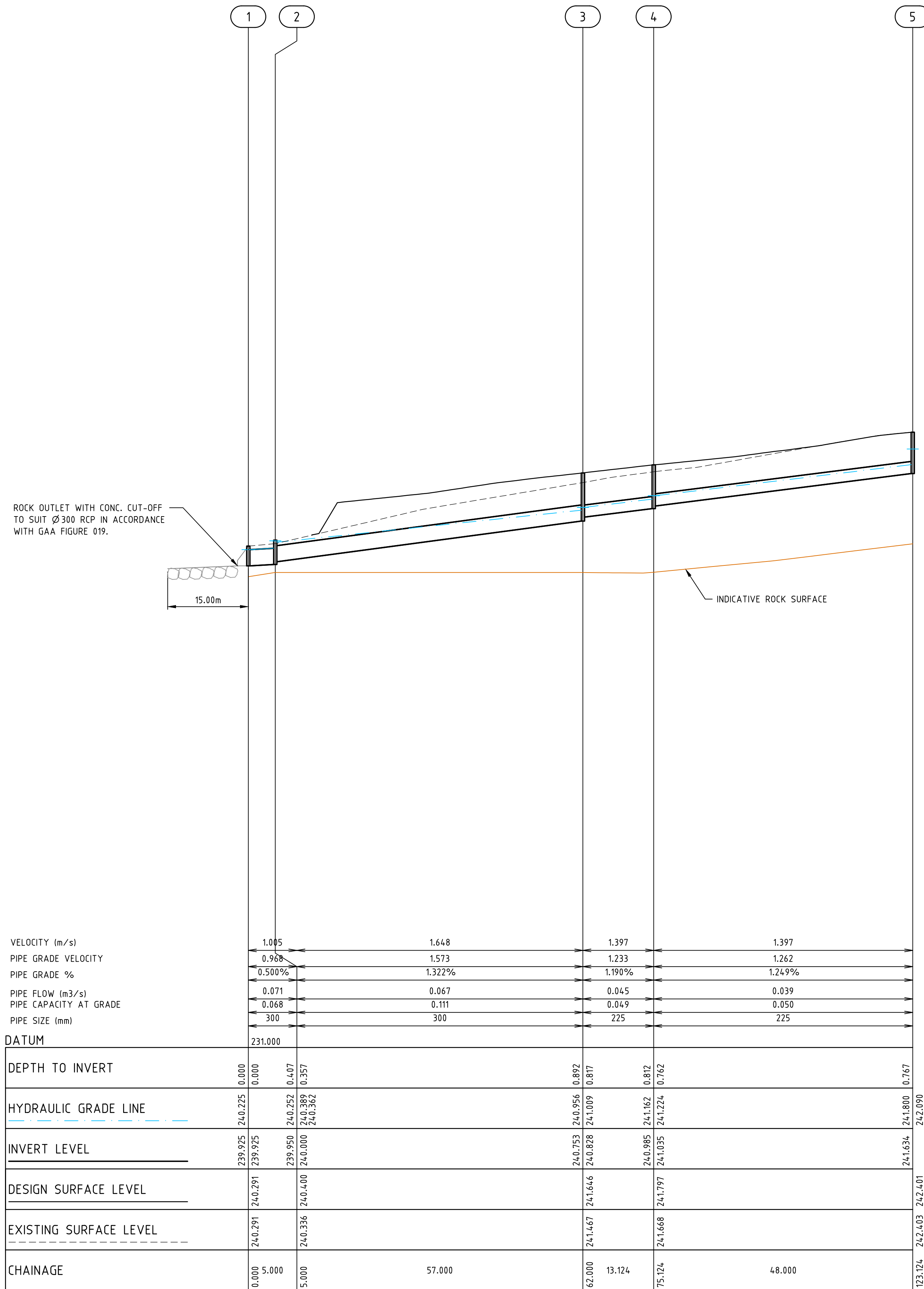
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AN 1541089
Verified B.GORDON
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AN 162183
Audited S.LEA
Date 01/10/15
AN 1061952
Approved T.LIAKOPOULOS
Date 09/11/15
AN 884729

LEGEND

DENOTES CLASS 2 CRUSHED ROCK BACKFILL

AS CONSTRUCTED



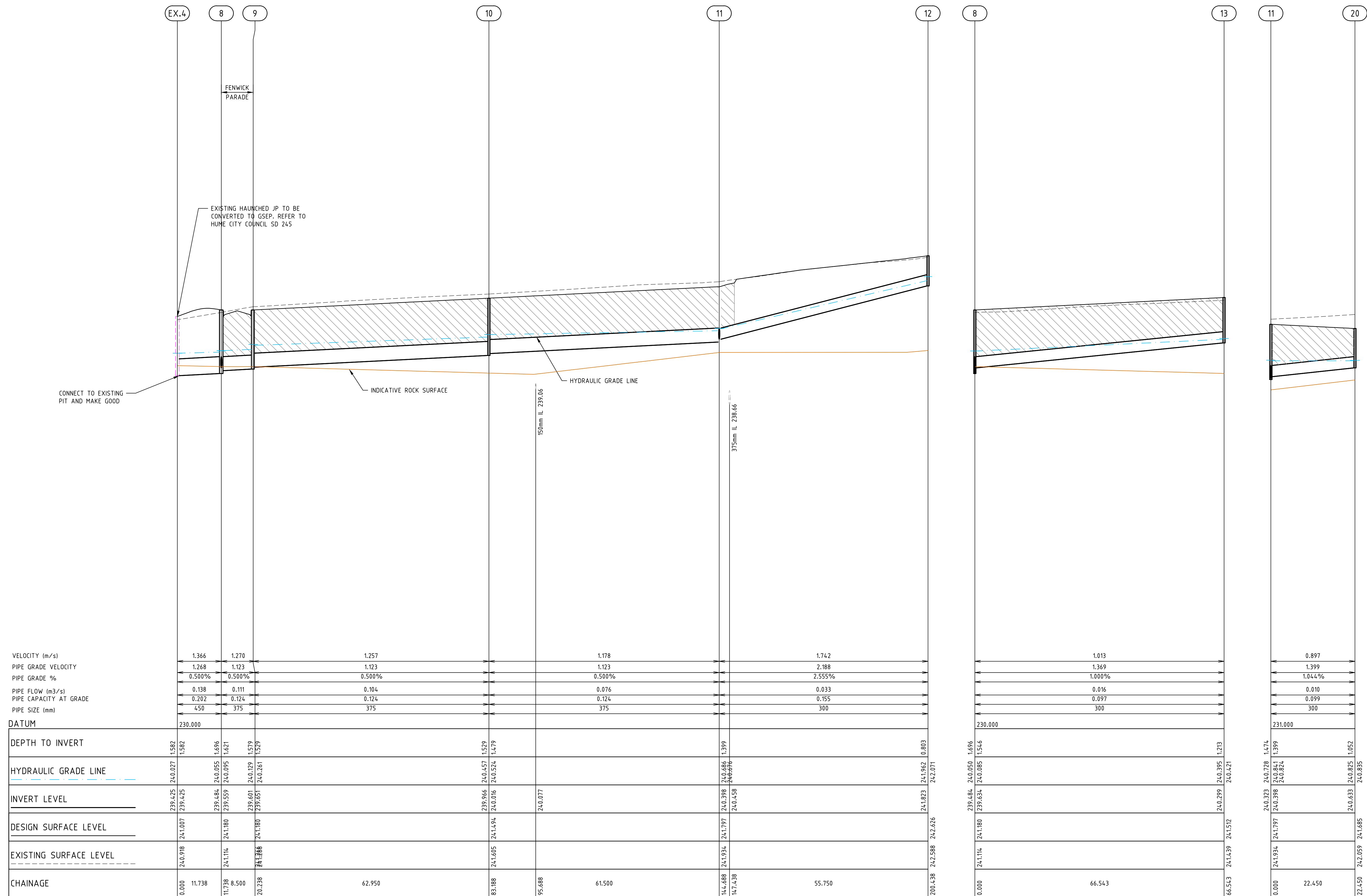
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MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 10
DRAINAGE LONGITUDINAL SECTIONS
SHEET 01 OF 02
Drawing No. 11730DR01 Rev 2
Sheet No. 21 AS CONSTRUCTED
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2	AS CONSTRUCTED	26/02/16	TL	
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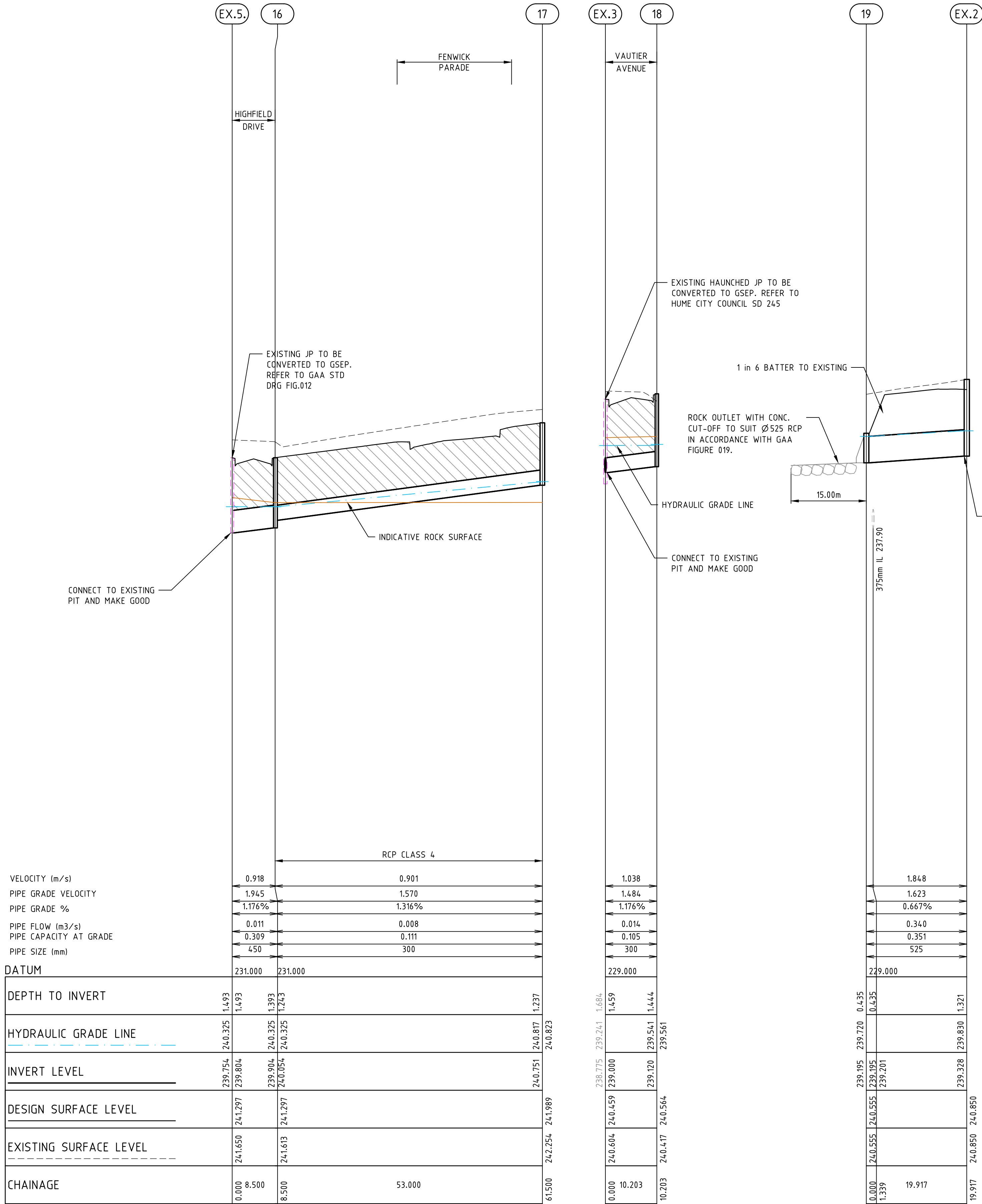
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Date 26/03/15
AN 162184
Audited S.LEA
Date 01/10/15
AN 1061953
Approved T.LIAKOPOULOS
Date 09/11/15
AN 884730

LEGEND

DENOTES CLASS 2 CRUSHED ROCK BACKFILL

MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 10
DRAINAGE LONGITUDINAL SECTIONS
SHEET 02 OF 02
Drawing No. 11730DR02 Rev 2
Sheet No. 22 **AS CONSTRUCTED**
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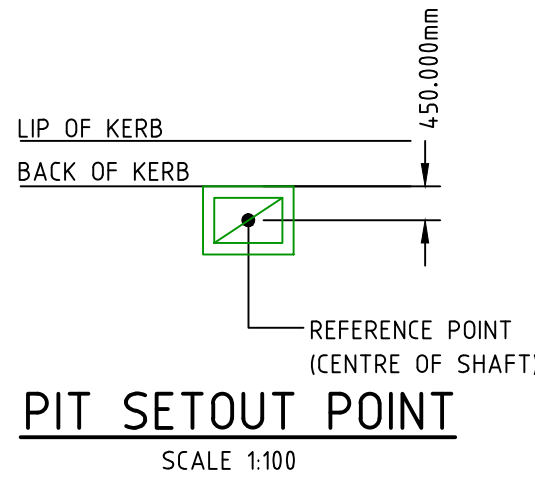


PIT NAME	TYPE	EASTING	NORTHING	INTERNAL		INLET		OUTLET		PIT		REMARKS
				WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	
1	EW	315363.491	5844207.135			300	239.925			240.291	0.366	OUTFALL STRUCTURE. REF MPA STD DRW FIG. 019
2	JP	315362.877	5844202.173	600	600	300	240	300	239.95	240.4	0.45	REFER TO MPA STD DRG FIG.014
3	JP	315306.308	5844209.172	600	600	225	240.828	300	240.753	241.646	0.892	REFER TO MPA STD DRG FIG.014
4	JP	315293.412	5844206.737	600	600	225	241.035	225	240.985	241.797	0.812	REFER TO MPA STD DRG FIG.014
5	JP	315245.775	5844212.63	600	600			225	241.634	242.401	0.767	REFER TO MPA STD DRG FIG.014
Ex.3	GSEP	315382.546	5844160.197	T600 B900	T900 B900	300	239			240.459	1.459	EXISTING HAUNCHED JP TO BE CONVERTED TO GSEP, REFER TO HUME CITY COUNCIL SD 245
6	JP	315373.859	5844094.006	600	600	300	240.404	300	240.354	241.356	1.002	REFER TO MPA STD DRG FIG.014
7	JP	315363.707	5844016.667	600	600			300	240.819	241.617	0.798	REFER TO MPA STD DRG FIG.014
Ex.4	GSEP	315353.145	5844163.828	T600 B900	T900 B900	450	239.425			241.007	1.582	EXISTING HAUNCHED JP TO BE CONVERTED TO GSEP, REFER TO HUME CITY COUNCIL SD 245
8	GSEP	315343.889	5844156.61	600	900	375 300	239.559 239.634	450	239.484	241.18	1.696	REFER TO MPA STD DRG FIG.012
9	GSEP	315335.453	5844157.653	600	900	375	239.651	375	239.601	241.18	1.579	REFER TO MPA STD DRG FIG.012
10	GSEP	315327.724	5844095.179	600	900	375	240.016	375	239.966	241.494	1.529	REFER TO MPA STD DRG FIG.012
11	JP	315320.173	5844034.145	600	900	300 300	240.398 240.398	300	240.323	241.797	1.449	REFER TO MPA STD DRG FIG.014
12	JP	315264.845	5844040.99	600	600			300	241.823	242.626	0.803	REFER TO MPA STD DRG FIG.014
13	GSEP	315335.719	5844090.57	600	900			300	240.299	241.512	1.213	REFER TO MPA STD DRG FIG.012
Ex.6	GSEP	315298.145	5844165.175	600	900	300	240.582			242.003	1.646	EXISTING HAUNCHED JP TO BE CONVERTED TO GSEP, REFER TO HUME CITY COUNCIL SD 245
14	GSEP	315293.073	5844173.429	600	900			300	240.72	242.062	1.342	REFER TO MPA STD DRG FIG.012
Ex.5	GSEP	315354.973	5843990.29	600	900	450	239.804			241.297	1.493	EXISTING HAUNCHED JP TO BE CONVERTED TO GSEP, REFER TO HUME CITY COUNCIL SD 245
16	GSEP	315356.016	5843998.726	600	900	300	240.054	450	239.904	241.297	1.393	REFER TO MPA STD DRG FIG.012
17	GSEP	315303.417	5844005.233	600	900			300	240.751	241.989	1.237	REFER TO MPA STD DRG FIG.012
Ex.3	GSEP	315382.546	5844160.197	600	900	300	239			240.459	1.459	EXISTING HAUNCHED JP TO BE CONVERTED TO GSEP, REFER TO HUME CITY COUNCIL SD 245
18	GSEP	315377.978	5844169.32	600	900			300	239.12	240.564	1.444	REFER TO MPA STD DRG FIG.012
19	EW	315426.154	5844001.456			525	239.195			240.555	1.359	
Ex.2	EW	315407.93	5843993.421					525	239.328	240.85	1.522	EXISTING HEADWALL TO BE REMOVED AND RELOCATED
20	GSEP	315317.416	5844011.865	600	900			300	240.633	241.685	1.052	REFER TO MPA STD DRG FIG.012

NOTES :

- EASTING, NORTHING SETOUT TO CENTRE OF PIT COVER SHAFT.
- SETOUT LEVEL TO PIT COVER LEVEL.
- EASTING, NORTHING ENDWALL SETOUT POINTS QUOTED TO PIPE BASE CENTRE.
- ALL PIT COVERS TO BE IN ACCORDANCE TO MPA STD FIGURE 012.
- STEP IRONS REQUIRED FOR ALL PITS GREATER THAN 900mm IN DEPTH.
- PIT FLOOR TO BE SHAPED TO MATCH LOWER HALF OF PIPE WHERE DROPS LESS THAN 50mm.
- ALL DRAINAGE WORKS ARE TO BE CONSTRUCTED TO MPA SPECIFICATIONS.
- PIT BASE TO BE SHAPED WITH MASS CONCRETE FOR SMOOTH HYDRAULIC FLOW.
- ALL STORMWATER DRAINS ARE TO BE CLASS '2' RC UNLESS OTHERWISE SHOWN. ALL PIPES UP TO AND INCLUDING 750mm IN DIAMETER SHALL BE RUBBER RING JOINTED. PIPES ABOVE THIS SIZE MAY BE FLUSH JOINTED WITH EXTERNAL SEALING BANDS.
- ALL HAUNCHED PITS SHALL BE CONSTRUCTED IN ACCORDANCE WITH VICROADS SD1001 TO SD1023 + HCC SD245

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



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1	RE-ISSUE FOR CONSTRUCTION	09/11/15	TL
0	ISSUE FOR CONSTRUCTION	29/10/15	TL

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AN 1511003
Designed N.MIRATANA
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Verified B.GORDON
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AN 162185
Audited S.LEA
Date 01/10/15
AN 1061954
Approved T.LIAKOPOULOS
Date 09/11/15
AN 884731

LEGEND
DENOTES CLASS 2 CRUSHED ROCK BACKFILL

AS CONSTRUCTED

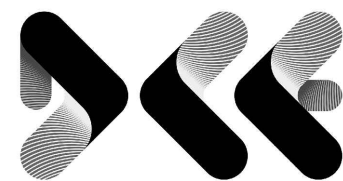


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MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 10
DRAINAGE PIT SCHEDULE

Drawing No. 11730DR03
Sheet No. 23
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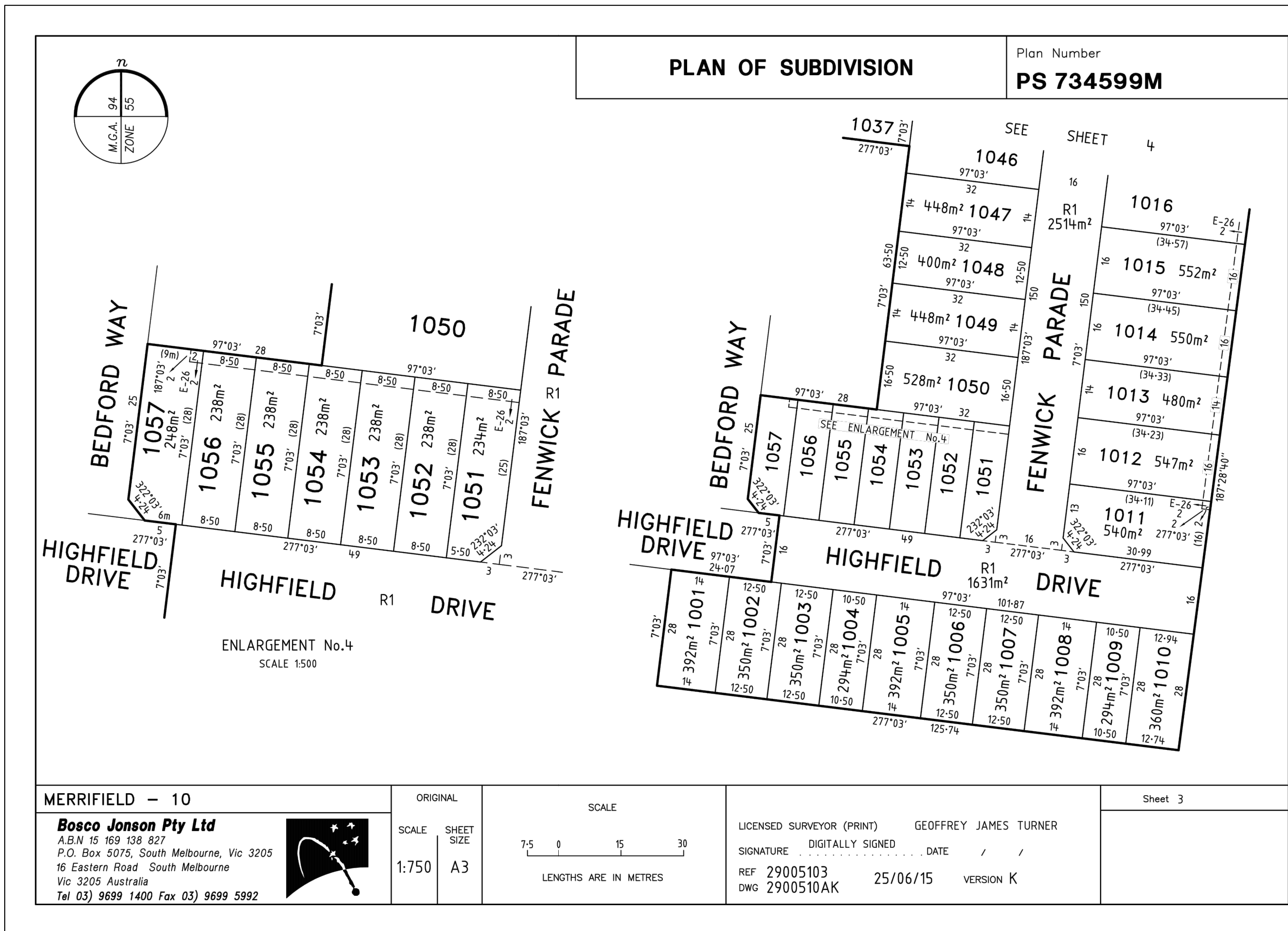
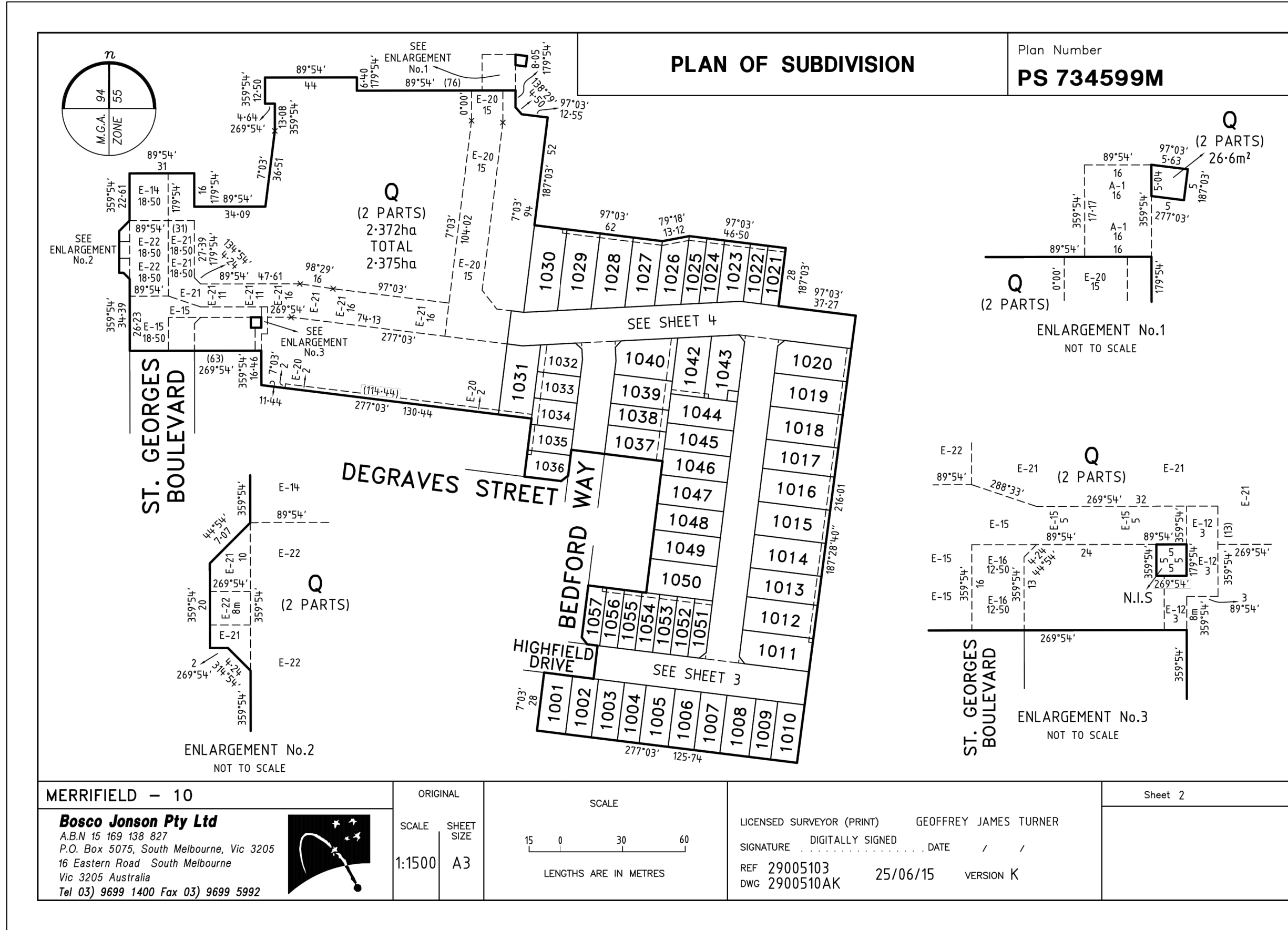
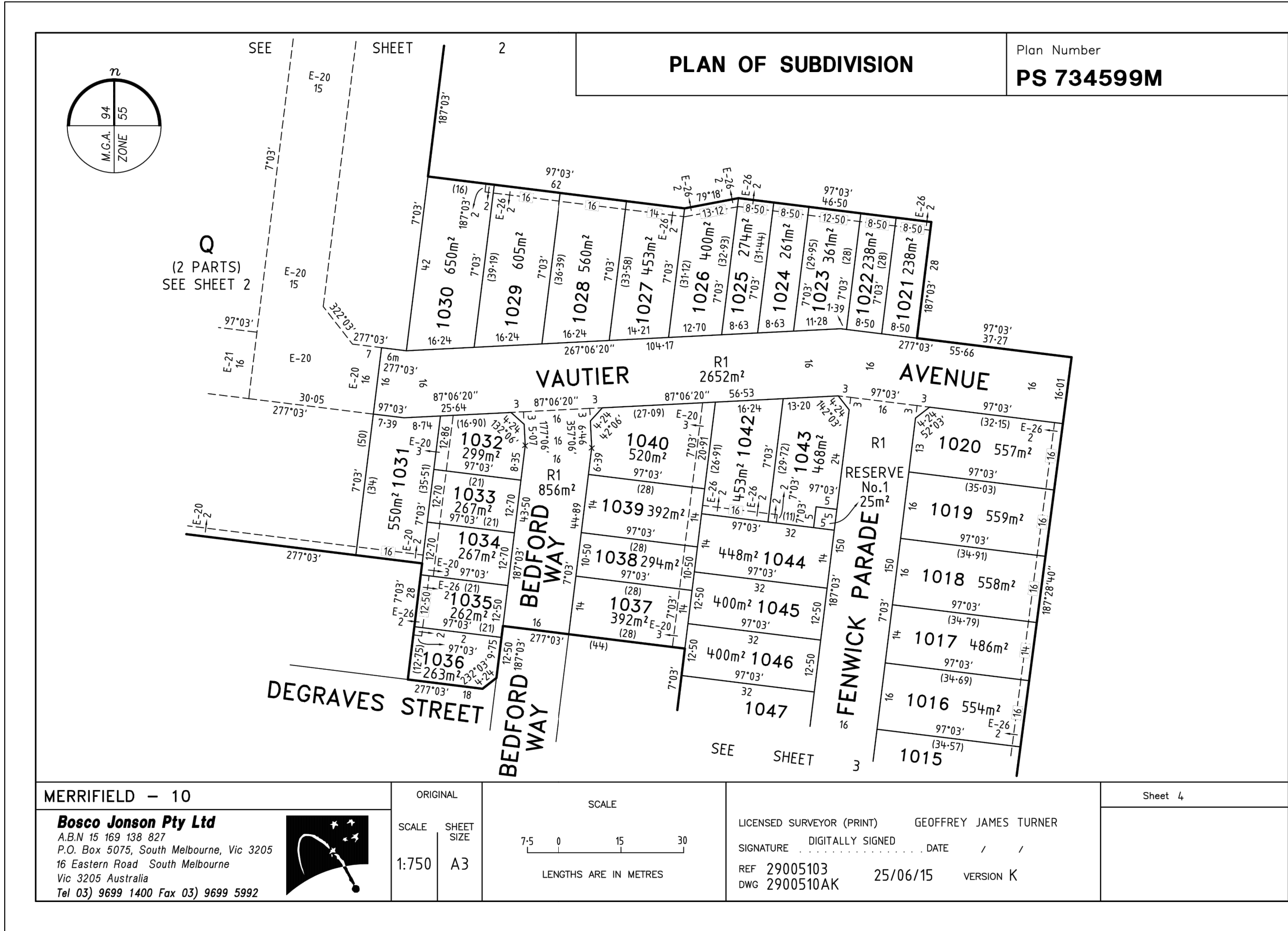


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0	ISSUE FOR CONSTRUCTION	29/10/15	TL

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Date 23/02/15
AN 1541092
Verified B.GORDON
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AN 162186
Audited S.LEA
Date 01/10/15
AN 1061955
Approved T.LIAKOPOULOS
Date 09/11/15
AN 884732

AS CONSTRUCTED

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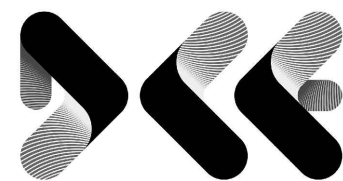
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MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 10
PLAN OF SUBDIVISION

Drawing No. **11730POS01** Rev 2
Sheet No. 24 **AS CONSTRUCTED**

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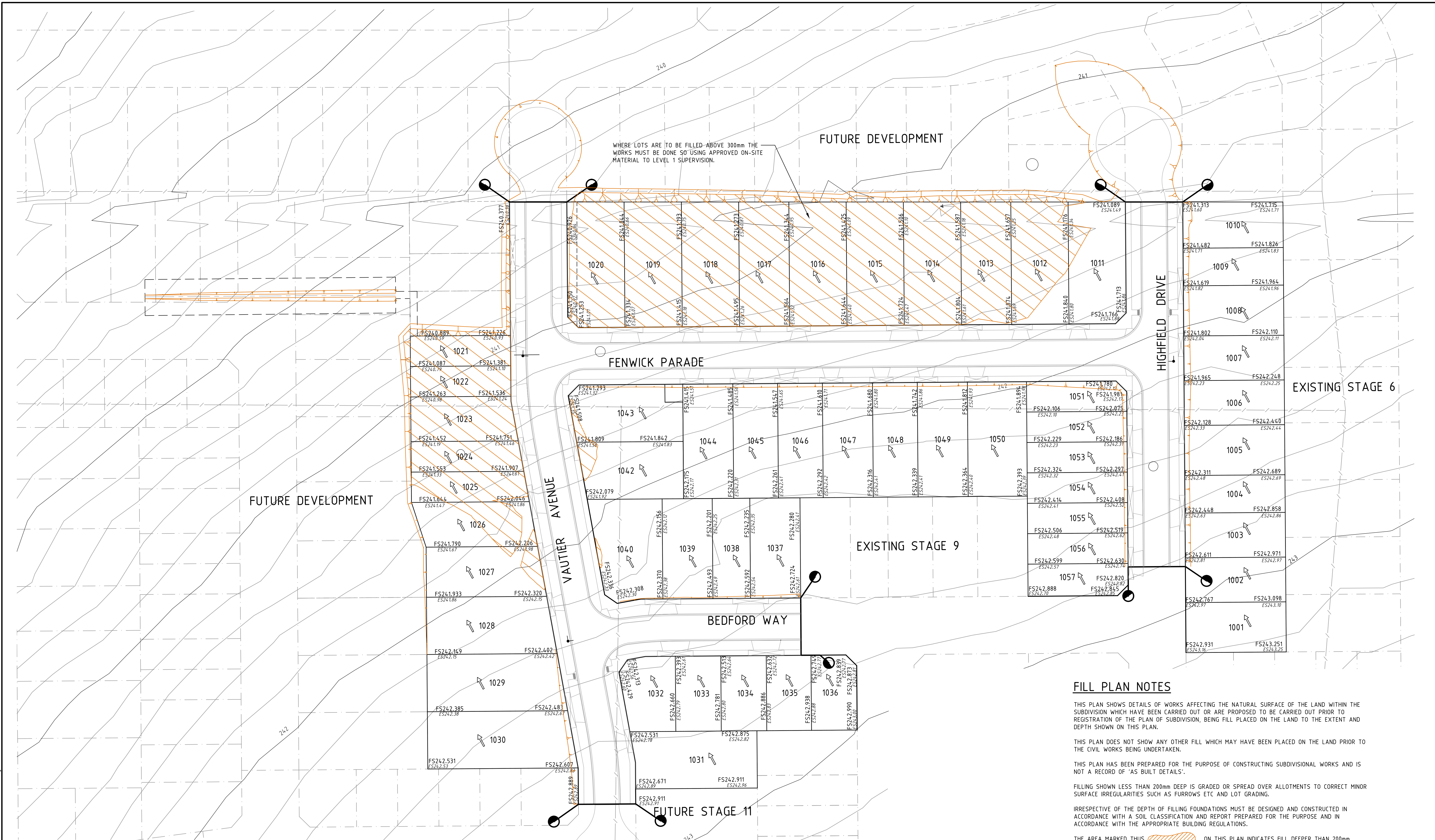


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FILL PLAN NOTES

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.

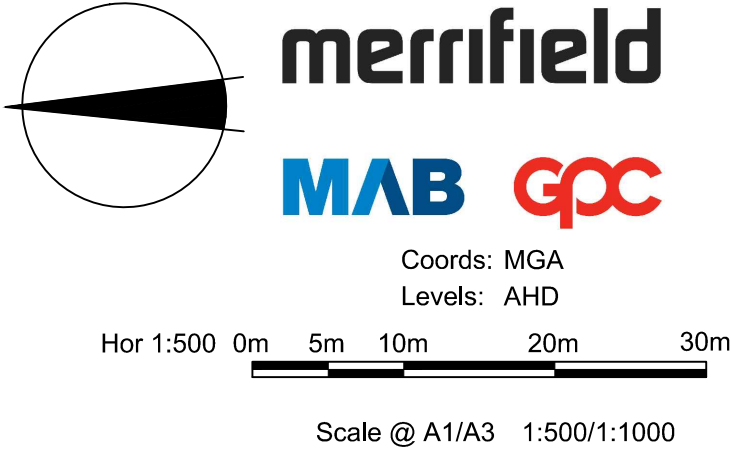
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2	AS CONSTRUCTED	26/02/16	TL
1	RE-ISSUE FOR CONSTRUCTION	09/11/15	TL
0	ISSUE FOR CONSTRUCTION	29/10/15	TL

Drawn K.PAGE
Date 24/02/15
AN 1511003
Designed N.MIRATANA
Date 23/02/15
AN 1541093
Verified B.GORDON
Date 26/03/15
AN 162167
Audited S.LEA
Date 01/10/15
AN 1061956
Approved T.LIAKOPOULOS
Date 09/11/15
AN 884733

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

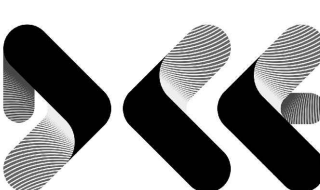
- LEGEND
- LIMIT OF WORKS
 - ES EXISTING SURFACE LEVEL
 - FS FINISHED SURFACE LEVEL

AS CONSTRUCTED



MERRIFIELD DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 10
FILL PLAN

Drawing No. 11730FP01 Rev 2
Sheet No. 25 AS CONSTRUCTED
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Drawing File: G:\Design\11730-MERRIFIELD - Prelim 1 - Stage 10\Acad\RD\11730EW01.dwg - 11730EW01
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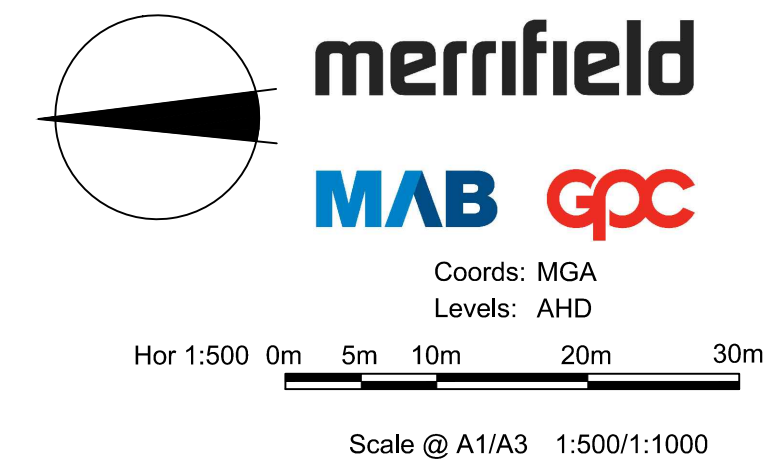
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REV	AMENDMENTS	DATE	APP'D.
2	AS CONSTRUCTED	26/02/16	TL
1	RE-ISSUE FOR CONSTRUCTION	09/11/15	TL
0	ISSUE FOR CONSTRUCTION	29/10/15	TL

Drawn K.PAGE
Date 24/02/15
AN 1511003
Designed N.MIRATANA
Date 23/02/15
AN 1541368
Verified B.GORDON
Date 26/03/15
AN 162515
Audited S.LEA
Date 01/10/15
AN 1061957
Approved T.LIAKOPOULOS
Date 09/11/15
AN 884734

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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 DEVELOPMENT
DONNYBROOK ROAD, MICKLEHAM
STAGE 10
EARTHWORKS PLAN

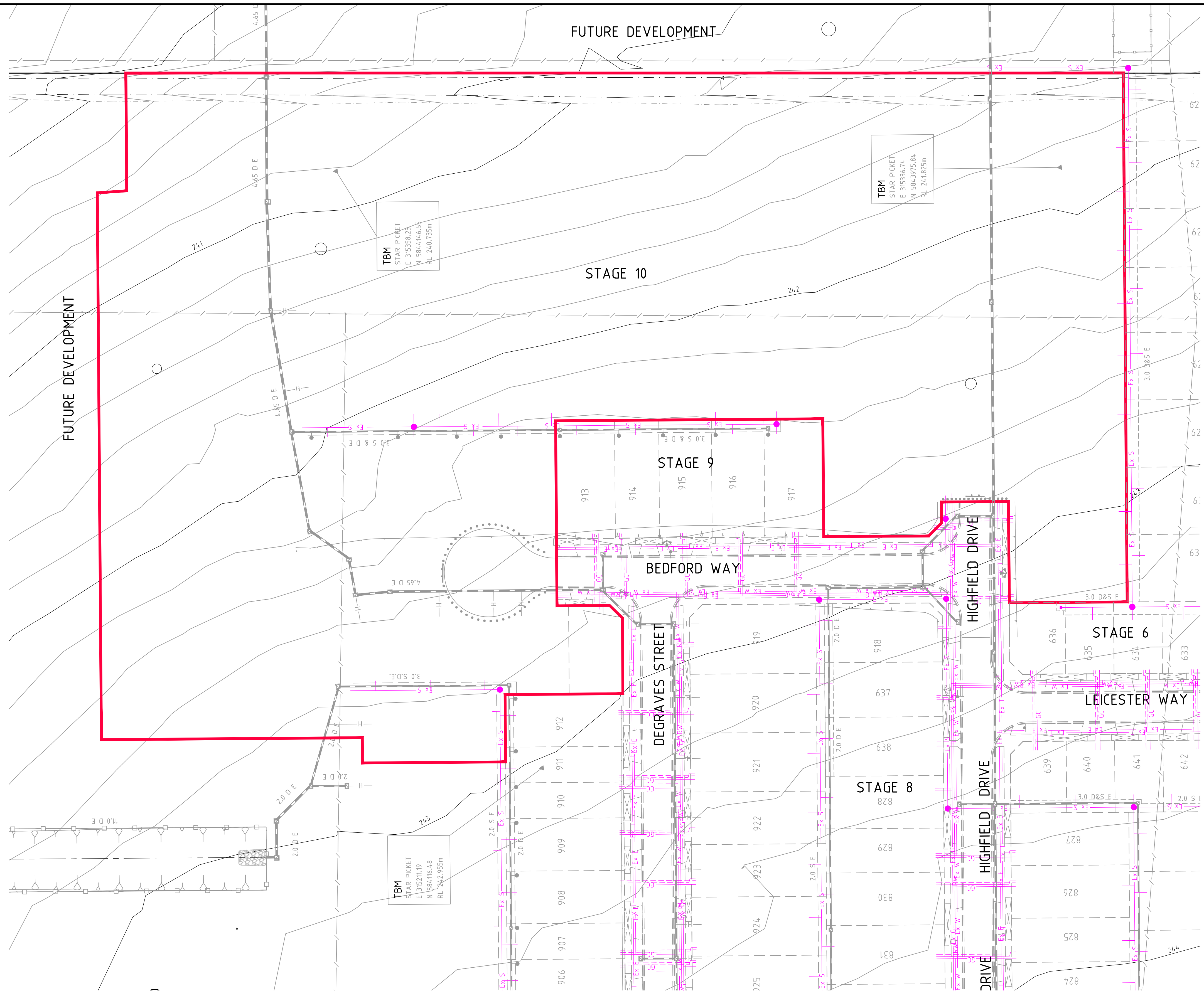
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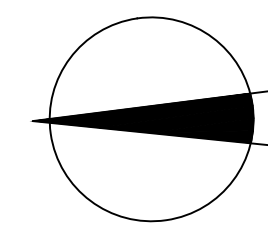
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REV	AMENDMENTS	DATE	APP'D.
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1	RE-ISSUE FOR CONSTRUCTION	09/11/15	TL
0	ISSUE FOR CONSTRUCTION	29/10/15	TL

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Date: 24/02/15
AN 1511003
Designed N.MIRATANA
Date: 23/02/15
AN 1541094
Verified B.GORDON
Date: 26/03/15
AN 162168
Audited S.LEA
Date: 01/10/15
AN 1061958
Approved T.LIAKOPOULOS
Date: 09/11/15
AN 884735

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

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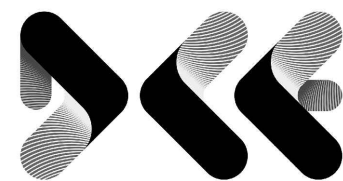


merrifield
MAB gpc

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 10
EXISTING FEATURES

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