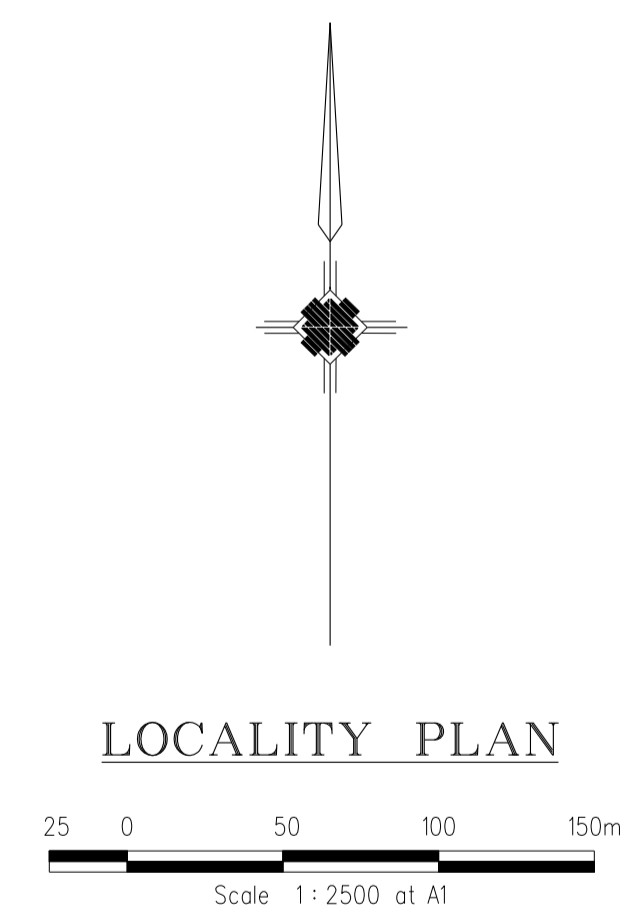




SHEET INDEX

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2	GENERAL NOTES, SITE SPECIFIC NOTES & HUME CITY COUNCIL NOTES
3	TYPICAL PAVEMENT CROSS SECTIONS & RETAINING WALL DETAILS
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LOCALITY PLAN

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HUME CITY COUNCIL		PLAN NUMBER
VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 1 MICKLEHAM ROAD AND DRAINAGE PLANS		36182/1 R01
LOCALITY PLAN & SHEET INDEX		REVISION N
		SHEET 01 OF 29

SITE SPECIFIC NOTES

- 1 ALL CONSTRUCTION TRAFFIC, STORAGE AND COMPOUNDS ARE TO BE LIMITED TO THE SITE OF WORKS THE FUTURE STAGE AREA IS TO BE KEPT UNDISTURBED, EXCEPT FOR SPECIFIC WORKS
- 2 THE CONTRACTOR SHALL BE RESPONSIBLE FOR APPROPRIATE SILTATION CONTROL DURING THE CONSTRUCTION AND MAINTENANCE PERIODS
- 3 FILLING IN ALL PROPERTIES AND ROAD RESERVES IS TO BE CARRIED OUT USING APPROVED CLAY FILL TOP SOIL AND ALL VEGETABLE MATTER TO BE STRIPPED FROM SITE PRIOR TO FILLING ALL FILLING TO BE CARRIED OUT IN 150mm LAYERS AND COMPACTED TO 95% OF MAXIMUM DRY DENSITY ALL FILLING TO COMPLY WITH AS3798 - 2007, SECTION 8 2, LEVEL 1
- 4 ALL SERVICES TRENCHES UNDER PAVEMENT WORKS ARE TO BE BACKFILLED WITH FCR AS SPECIFIED
- 5 ANY CYPRESS OR PINE TREES MUST BE REMOVED FROM THE SITE PRIOR TO THE COMMENCEMENT OF WORKS, AND COUNCIL'S LANDSCAPE OFFICER ~~MUST BE~~ CONSULTED PRIOR TO EITHER THE REMOVAL, OR RETENTION OF ANY OTHER TREES NO TOPSOIL SHALL BE REMOVED FROM SITE
- 6 AG DRAIN TO BE CONSTRUCTED BEHIND ALL KERB AND CHANNEL
- 7 ALL DRAINAGE PIPES GREATER THAN 150mm TO BE R R J CLASS 2 (UNO)
- 8 ACCESS TO EXISTING RESIDENCE TO BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION
- 9 ALL DRAINAGE LINES UNDER PAVEMENTS, PARKING BAYS, ETC AND WHERE TRENCH IS WITHIN 150mm OF BACK OF KERB ARE TO BE BACKFILLED WITH FCR AS SPECIFIED
- 10 APPROPRIATE INSPECTIONS SHALL BE ORGANISED WITH HUME CITY COUNCIL'S COUNCIL WORKS SUPERVISOR
- 11 REFER SEPARATE PLAN FOR WORKS ASSOCIATED WITH SEWER, WATER SUPPLY, ELECTRICITY SUPPLY, TELSTRA AND GAS SUPPLY THESE SERVICES ARE SHOWN ON THE DETAIL PLAN INDICATIVELY ONLY & MAY BE SUBJECT TO MINOR VARIATIONS
- 12 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EXCAVATION AND BACKFILLING OF TRENCHING FOR RETICULATION ELECTRICITY AND COMMUNICATION CABLES, AND THE REMOVAL OF EXCESS SPOIL
- 13 MINIMUM FALL ON ALL LOTS TO BE 1 IN 150 LONGITUDINALLY
- 14 PAVEMENT DEPTH TO BE MODIFIED AS DIRECTED BY HUME CITY COUNCIL
- 15 USE OF ANY SOFT RIPPED ROCK IN ROAD PAVEMENT IS TO CONFORM TO SPECIFICATIONS FOR RIPPED ROCK
- 16 ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH CURRENT HUME CITY COUNCIL SPECIFICATIONS AND STANDARD DRAWINGS, AND TO THE SATISFACTION OF HUME CITY COUNCIL SUPERVISING ENGINEER
- 17 NO CUT OR FILL EXTENDS INTO BUILDING ENVELOPES, EXCEPT WHERE SHOWN
- 18 THE CONTRACTOR SHALL CONTACT JEMENA'S JOHN HEMSLEY (03) 93512214 FOR THE COORDINATION OF ELECTRICAL WORKS, AT LEAST 28 DAYS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OF ELECTRICAL WORKS
- 19 THE CONTRACTOR SHALL CONTACT TELSTRA'S NOMINATED REPRESENTATIVE, PETER FEBO (03) 9632 6384 FOR THE COORDINATION OF TELSTRA WORKS IN LAYING CONDUITS, AT LEAST 28 DAYS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OF TELSTRA WORKS
- 20 TELSTRA AND ELECTRICITY CABLES ARE TO BE PLACED IN A SHARED TRENCH
- 21 ALL BATTERS SHALL BE BLENDED INTO THE NATURAL GROUND LEVEL TO THE SATISFACTION OF THE ENGINEER, 0.3M BERM REQUIRED AT TOE OF BATTERS HIGHER THAN 0.7M
- 22 DRIVEWAYS ARE TO BE CUT ONTO ALL ALLOTMENTS, AT MAXIMUM GRADE OF 1 IN 5 WHERE BATTERS HIGHER THAN 0.70M CUT BATTERS ARE TO BE GRASSED AND MULCHED WITH A MIXTURE OF CHOPPED GRASS, HAY, STRAW AND BITUMINOUS EMULSION
- 23 INVERT LEVEL OF PROPERTY INLETS TO BE MINIMUM OF 500mm BELOW FINISHED SURFACE LEVELS AS PER HUME CITY COUNCIL STANDARDS
- 24 SIGNS, MARKINGS AND DELINEATORS TO BE INSTALLED ON ROADS AS APPLICABLE IN ACCORDANCE WITH AS1742 2 ALL LINE MARKING TO BE LONG LIFE ROAD MARKING, WITH LONGITUDINAL LINES IN THERMOPLASTIC AND TRANSVERSE MARKINGS IN COLD APPLIED
- 25 STREET SIGNS ARE TO BE TO CURRENT HUME CITY COUNCIL STANDARD'S, INCLUDING PROVISION OF LOGO
- 26 REFER TO SHEET 4, 5 & 6 FOR PSM LOCATIONS
- 27 CONDUIT LOCATIONS AND HOUSE DRAIN LOCATIONS ARE TO BE MARKED BY STAMP ON ALL PERMANENT CONCRETE WORKS IN ACCORDANCE WITH HUME CITY COUNCIL STANDARDS
- 28 ALL PIT LIDS ARE TO BE TO CURRENT HUME CITY COUNCIL STANDARDS
- 29 ALL VEHICLE CROSSINGS SHOWN ARE INDICATIVE ONLY VEHICLE CROSSING ARE TO BE CONSTRUCTED AS PER HUME CITY COUNCIL STANDARDS
- 30 TACTILE INDICATORS TO BE PROVIDED AT ALL PRAM CROSSINGS TO HUME CITY COUNCIL STANDARD'S AND IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1428 4
- 31 PEDESTRIAN CROSSINGS THROUGH ALL SPLITTER ISLAND TO BE AT PAVEMENT LEVEL
- 32 ALL PIT FLOORS WITH LESS THAN 30MM DROP TO BE SHAPED TO ACCOMODATE DROP THROUGH PITS NO ALLOWANCE FOR TOLERANCE HAS BEEN MADE WITH THE IL'S PROVIDED ALL PITS TO BE CONSTRUCTED TO HUME CITY COUNCIL STANDARDS
- 33 WHERE ANY EXISTING DAMS, OPEN DRAINS OR CHANNELS ARE TO BE FILLED, INVERT LEVELS MUST BE TAKEN PRIOR TO COMMENCEMENT OF FILLING AND THE LEVELS SHOWN ON THE 'AS-CONSTRUCTED' PLANS

GENERAL NOTES

- UNLESS NOTED OTHERWISE
- 1 ALL LEVELS AND DIMENSIONS ARE IN METRES (UNO)
 - 2 ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE RELEVANT STANDARDS, DRAWINGS AND SPECIFICATIONS OF THE RELEVANT MUNICIPAL AND STATUTORY AUTHORITIES (CURRENT AT THE TIME OF CONSTRUCTION), AND THE AUSTRALIAN STANDARD GENERAL CONDITIONS OF CONTRACT AS 2124-1992
 - 3 THE CONTRACTOR SHALL CHECK LOCATION AND DEPTH OF ALL EXISTING SERVICES, INCLUDING THOSE WHICH MAY HAVE BEEN ABANDONED, PRIOR TO THE COMMENCEMENT OF ANY WORKS ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER
 - 4 FINAL LOCATION OF SERVICE CONDUITS, HOUSE DRAINS AND VEHICLE CROSSINGS SHALL BE DETERMINED ON-SITE BY THE ENGINEER WHERE REQUIRED CONDUITS FOR GAS AND WATER ARE TO BE A MINIMUM OF 4 METRES CLEAR OF SIDE BOUNDARIES WHERE PRACTICAL WATER SERVICE LOCATIONS TO BE DETERMINED IN CONJUNCTION WITH WATERMAIN SUBCONTRACTOR
 - 5 THE WORKS ARE TO INCLUDE THE COMPLETE GRADING AND REINSTATEMENT OF DISTURBED AREAS, INCLUDING RESURFACING WITH 150MM MINIMUM DEPTH OF APPROVED TOPSOIL, SOWN TO THE SATISFACTION OF THE ENGINEER
 - 6 THE PLANS OF SUBDIVISION CERTIFIED BY COUNCIL ARE AN ANNEXURE TO THESE DRAWINGS
 - 7 STANDARD DRAWINGS ISSUED BY COUNCIL ARE AN ANNEXURE TO THESE DRAWINGS
 - 8 MELBOURNE WATER PLANS FOR THE ADJACENT WETLAND & OPEN WATER BODY ARE AN ANNEXURE TO THESE DRAWINGS
 - 9 ALL DRAINAGE PIPES WITHIN EASEMENTS ARE AT 1 METRE CENTRELINE OFFSET UNLESS NOTED OTHERWISE
 - 10 PERMISSION IS TO BE OBTAINED FROM THE WATER COMPANY FOR THE USE OF WATER SUPPLY FOR CONSTRUCTION PURPOSES
 - 11 THE 'SCHEDULE OF QUANTITIES' ARE AN ANNEXURE TO THESE DRAWINGS IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THAT THE 'SCHEDULE OF QUANTITIES' ACCURATELY REFLECTS THE INFORMATION DETAILED IN THESE PLANS ALL DISCREPANCIES SHOULD BE REPORTED BACK TO THE ENGINEER PRIOR TO SIGNING OF CONTRACTS NO ALLOWANCES WILL BE MADE FOR DISCREPANCIES ONCE CONTRACTS HAVE BEEN SIGNED
 - 12 THESE PLANS ARE FOR SUBDIVISION CONSTRUCTION PURPOSES ONLY
 - 13 THESE PLANS MAY NOT BE REPRODUCED EXCEPT IN FULL

HUME CITY COUNCIL NOTES

- 1 CONSTRUCTION PLANS MUST BE ACCOMPANIED BY THE APPROVED SPECIFICATION NO WORK IS TO COMMENCE WITHOUT EVIDENCE OF POSSESSION OF EACH
- 2 ALL WORKS CARRIED OUT TO STANDARD OF DRAWINGS AND SPECIFICATION AS APPROVED BY HUME CITY COUNCIL AND TO THE SATISFACTION OF THE ENGINEER AND MUNICIPAL ENGINEER IN CASE OF DISPUTE THE SPECIFICATION MUST TAKE PRECEDENCE
- 3 IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL EXISTING SERVICES AND TO CONTACT THE LOCAL SERVICE AUTHORITIES AS REQUIRED
- 4 NO EXCAVATION WITHIN 5M OF ANY EXISTING TREE WITHOUT APPROVAL OF THE ENGINEER
- 5 ALL CUT AREAS OUTSIDE ROAD RESERVES TO BE SURFACED WITH 100MM MIN COMPACTED LAYER OF TOPSOIL
- 6 ALL DISTURBED ALLOTMENTS AND RESERVES TO BE SMOOTHED, GRADED AND SHAPED TO AN EVEN SURFACE
- 7 ALL HOUSE DRAINS SHOULD BE GENERALLY FLAT AT A GRADE OF 1:100 AND IN ACCORDANCE WITH HUME CITY COUNCIL STANDARDS
- 8 ALL TRENCHING OF DEPTH 1.5M OR GREATER MUST COMPLY WITH THE MINES AND TRENCHES REGULATIONS 1982
- 9 CONCRETE STRENGTH TO HAVE 28 DAY STRENGTH OF 25 MPA (UNO)
- 10 THE CONTRACTOR IS TO SUPPLY AND ERECT THE RELEVANT STREET SIGNAGE
- 11 KERB TYPES HAVE BEEN SPECIFIED TRANSITIONS BETWEEN DIFFERENT TYPES TO BE OVER 3.0M IF IT CANNOT BE ACHIEVED AT A PRAM CROSSING OR DRIVEWAY CROSSOVER (UNO)
- 12 ROAD OPENING PERMIT TO BE OBTAINED FOR CROSSING EXISTING PAVEMENTS AS REQUIRED
- 13 ALL FOOTPATHS TO BE 1.5m WIDE & SHARED PATHS TO BE 2.5m WIDE (UNO)
- 14 ALL FOOTPATHS & SHARED PATHS TO BE 125mm DEPTH CONCRETE
- 15 THE CONTRACTOR SHALL, TO THE SATISFACTION OF THE ENGINEER AND THE MUNICIPAL ENGINEER, PROVIDE AND MAINTAIN ALL NECESSARY WARNING SIGNAGE, LIGHTING AND BARRICADING TO COMPLY WITH THE REQUIREMENTS OF THE ROAD TRAFFIC REGULATIONS ACT
- 16 IF ANY EXISTING SUBSTANDARD FILLING IS ENCOUNTERED ON THE SITE IT MUST BE REMOVED AND REPLACED WITH APPROVED FILL MATERIAL PROPERLY COMPACTED TO COUNCIL REQUIREMENTS A GEOTECHNICAL REPORT MUST BE SUBMITTED SHOWING DETAILS OF DEPTH, TYPE OF MATERIAL AND DENSITY OF THE FILL AREAS CONCERNED
- 17 AN ENVIRONMENTAL MANAGEMENT PLAN (EMP), TRAFFIC MANAGEMENT PLAN (TMP) AND SITE MANAGEMENT PLAN (SMP) MUST BE PREPARED BY THE CONTRACTORS AND SUBMITTED TO COUNCIL FOR APPROVAL PRIOR TO THE COMMENCEMENT OF ANY ON-SITE WORKS AND ALL WORKS MUST BE CARRIED OUT IN STRICT ACCORDANCE WITH THESE PLANS
- 18 REMOVAL OR RETENTION OF EXISTING TREES OR VEGETATION MUST BE IN ACCORDANCE WITH THE APPROVED LANDSCAPING PLANS (OTHERWISE APPROVAL WILL BE REQUIRED FROM THE LANDSCAPE APPROVALS OFFICER)
- 19 NO SURPLUS TREES, VEGETATION OR OTHER MATERIALS TO BE BURNT ON SITE

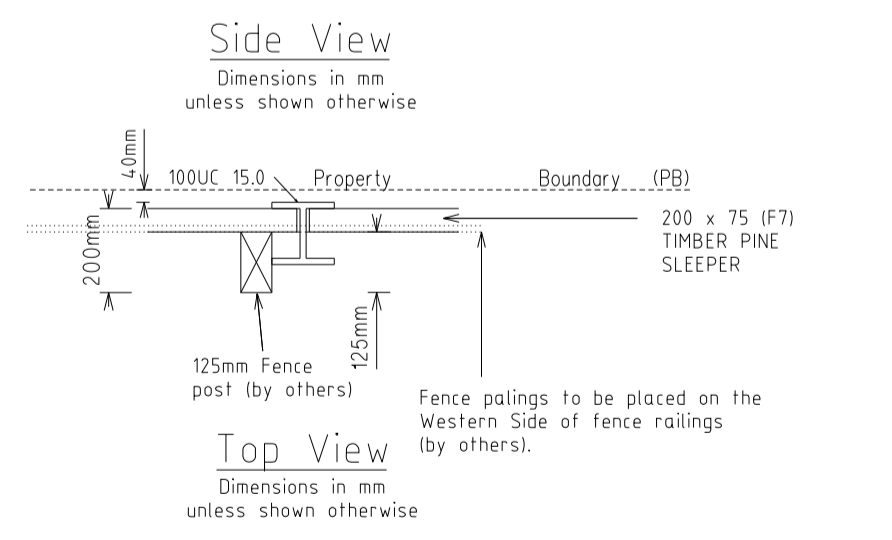
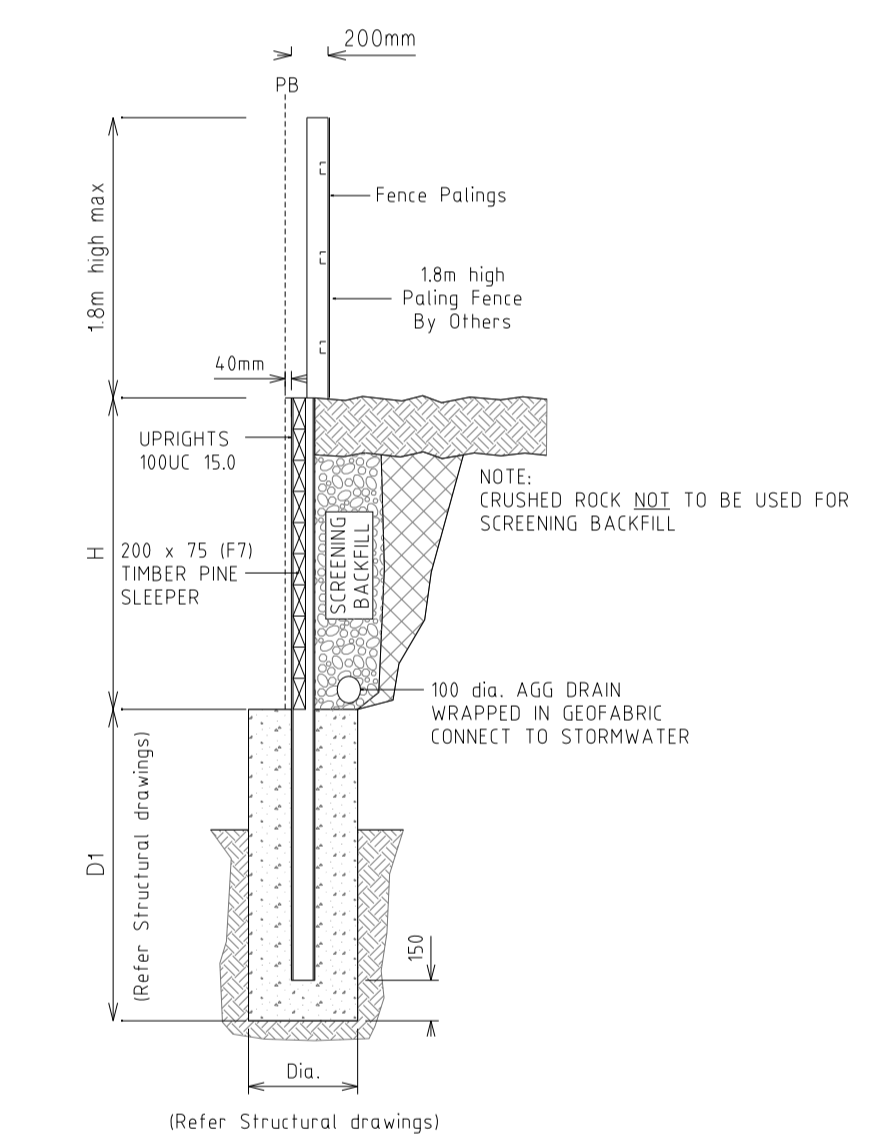
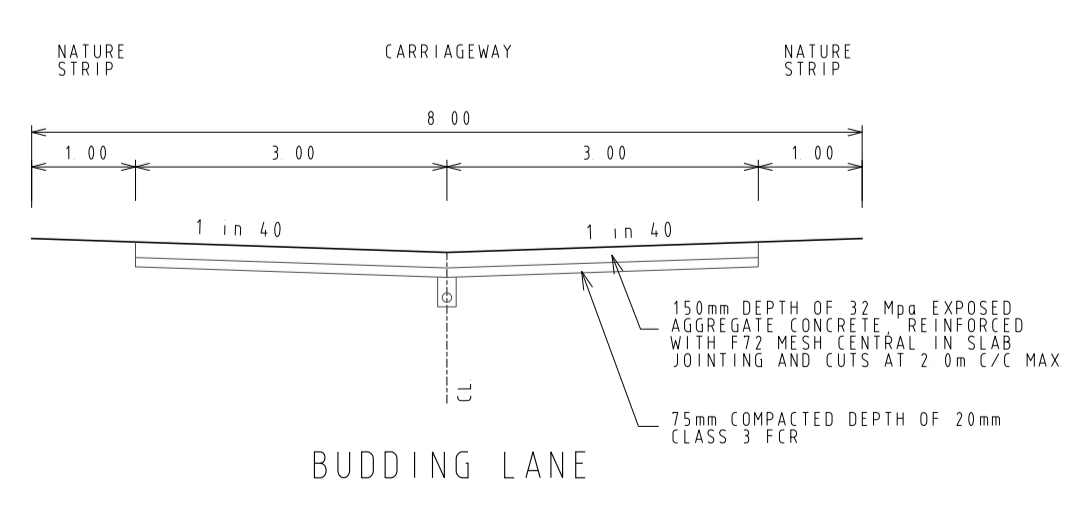
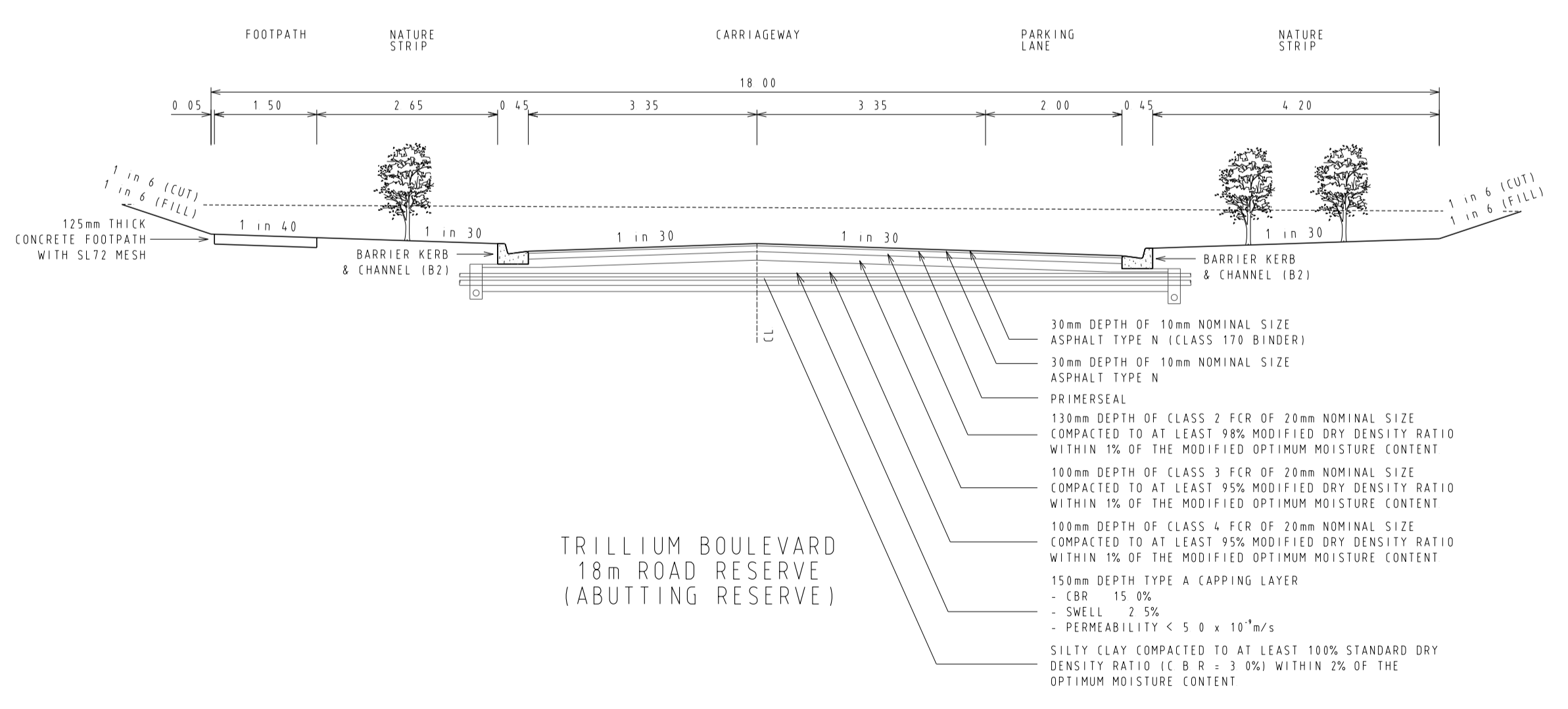
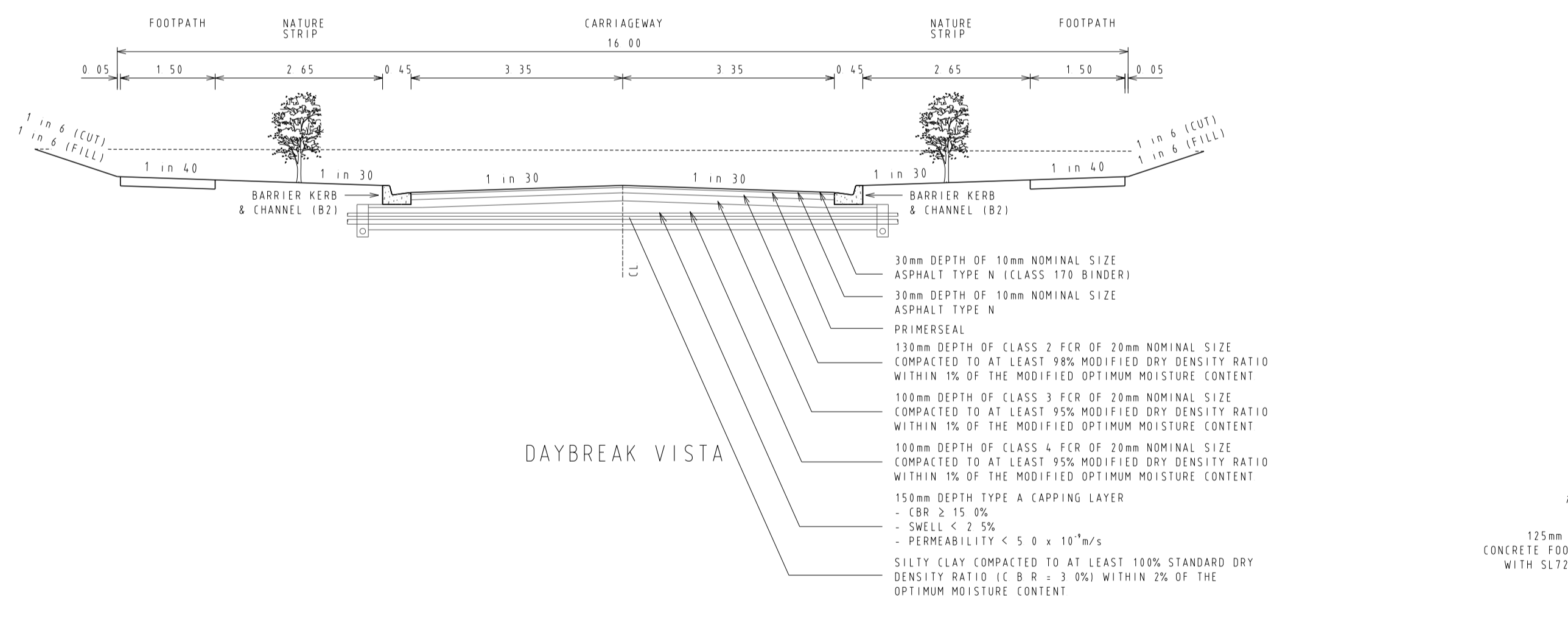
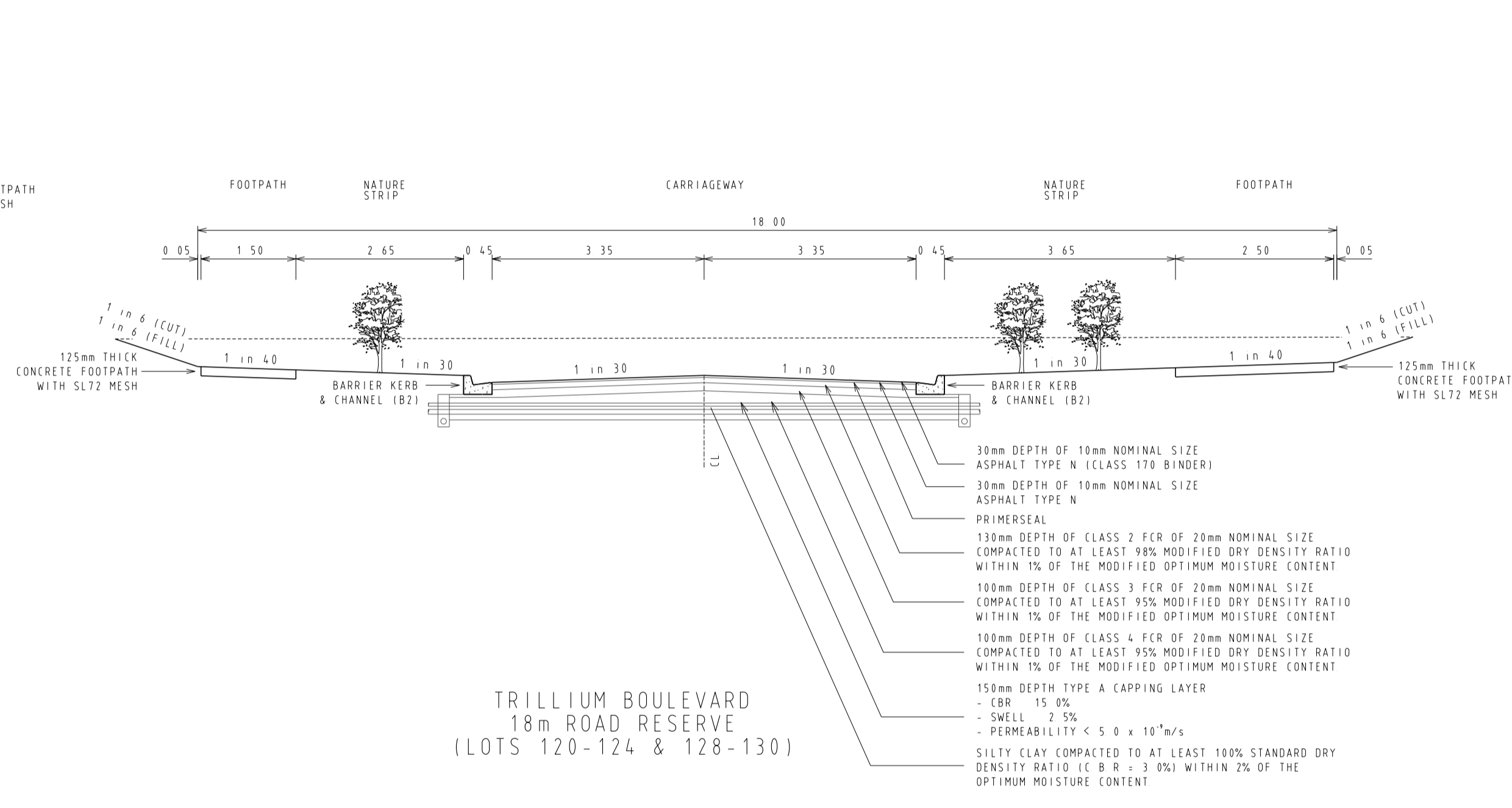
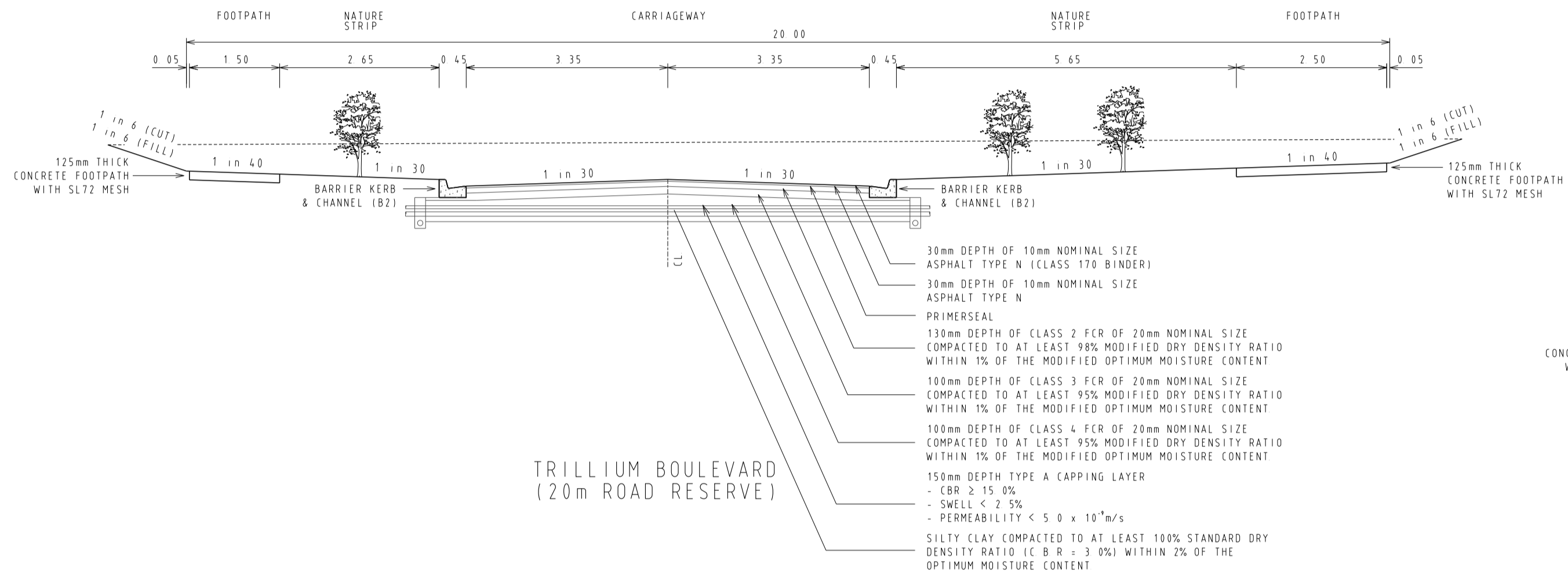
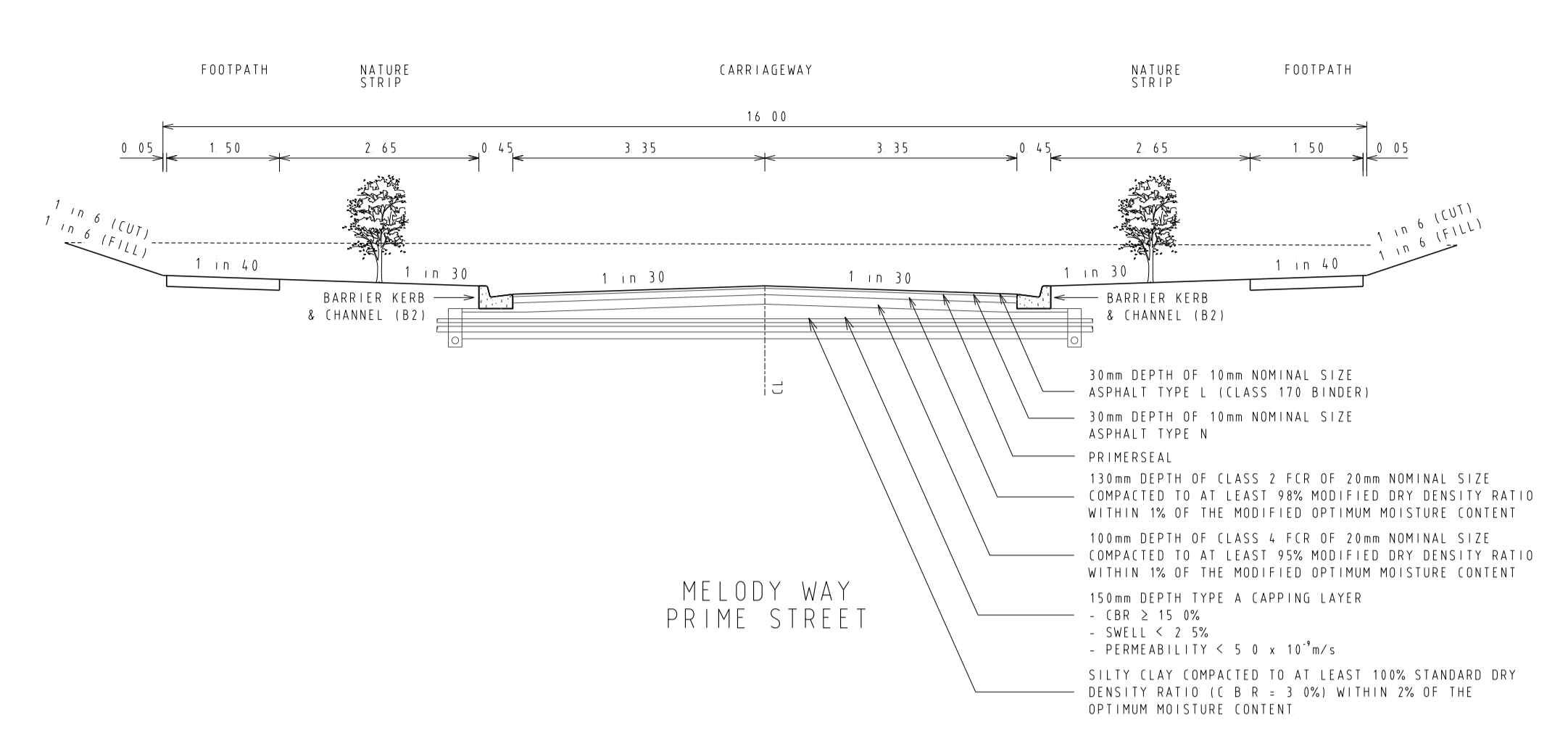
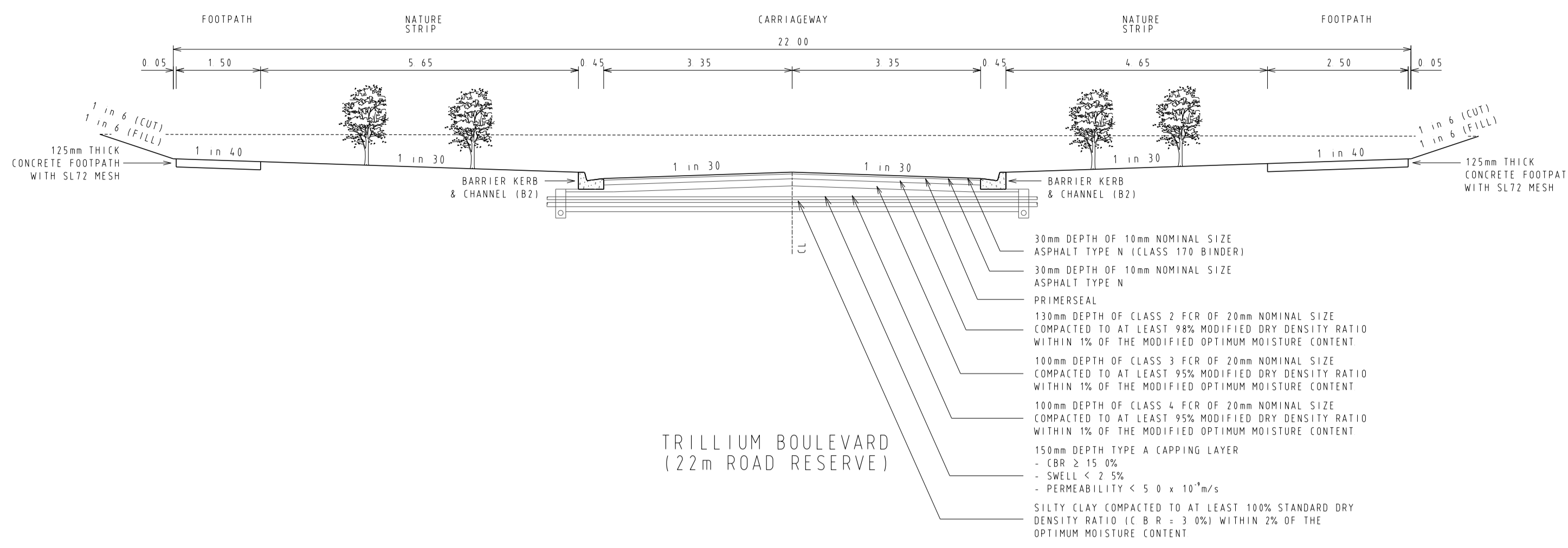
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HUME CITY COUNCIL		PLAN NUMBER
VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 1 MICKLEHAM ROAD AND DRAINAGE PLANS		36182/1 R02
GENERAL NOTES, SITE SPECIFIC NOTES, HUME CITY COUNCIL NOTES & TYPICAL PAVEMENT CROSS SECTIONS		REVISION N SHEET 02 OF 29



RETAINING WALL DETAILS (REFER TO STRUCTURAL DRAWINGS)

NOTE:
1. ALL STEELWORK SHALL BE HOT-DIPPED GALVANISED UNO.
ALL STEELWORK THAT IS TO BE HOT DIPPED GALVANISED SHALL BE DONE IN ACCORDANCE WITH AS 4680.

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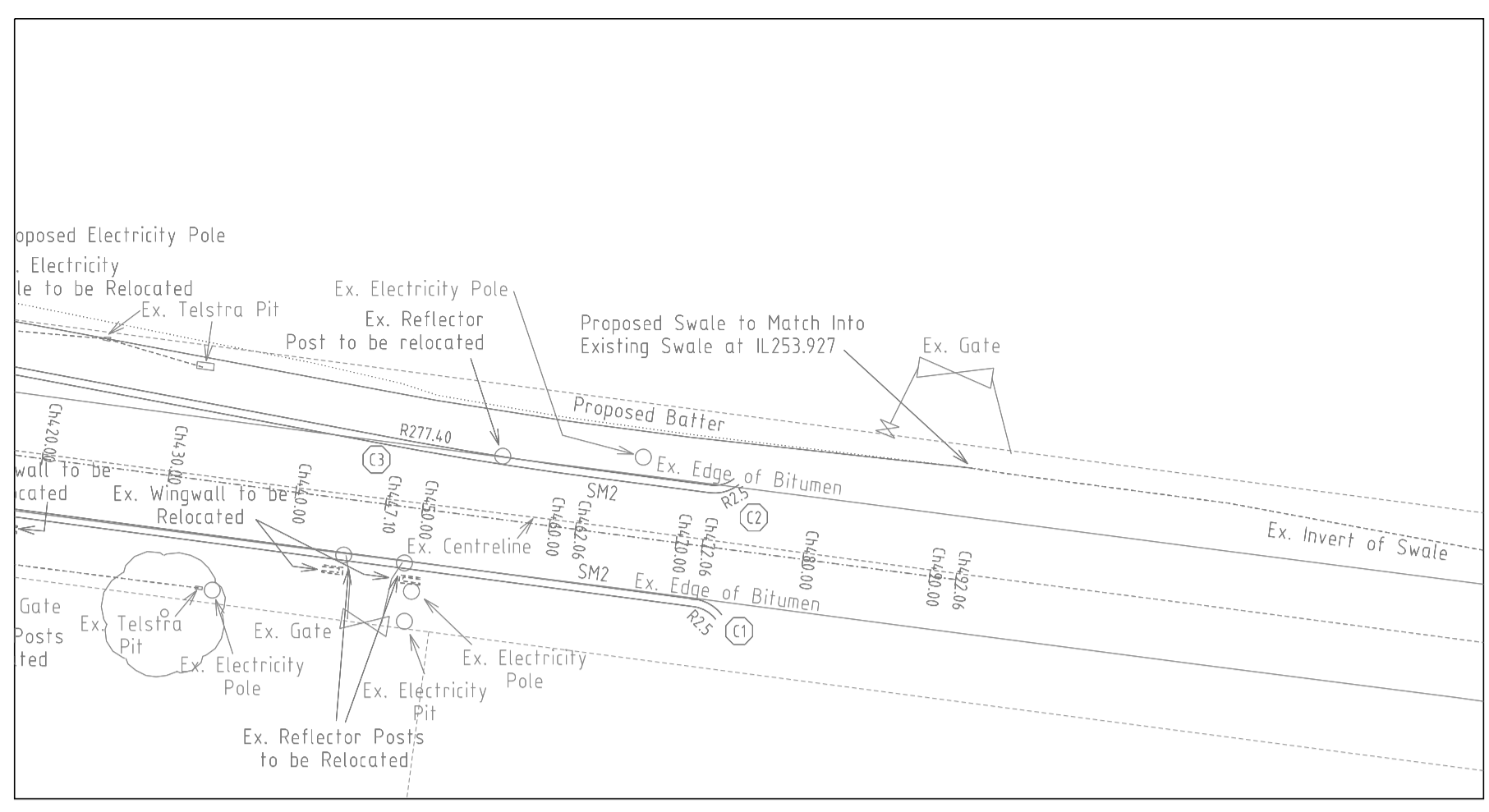
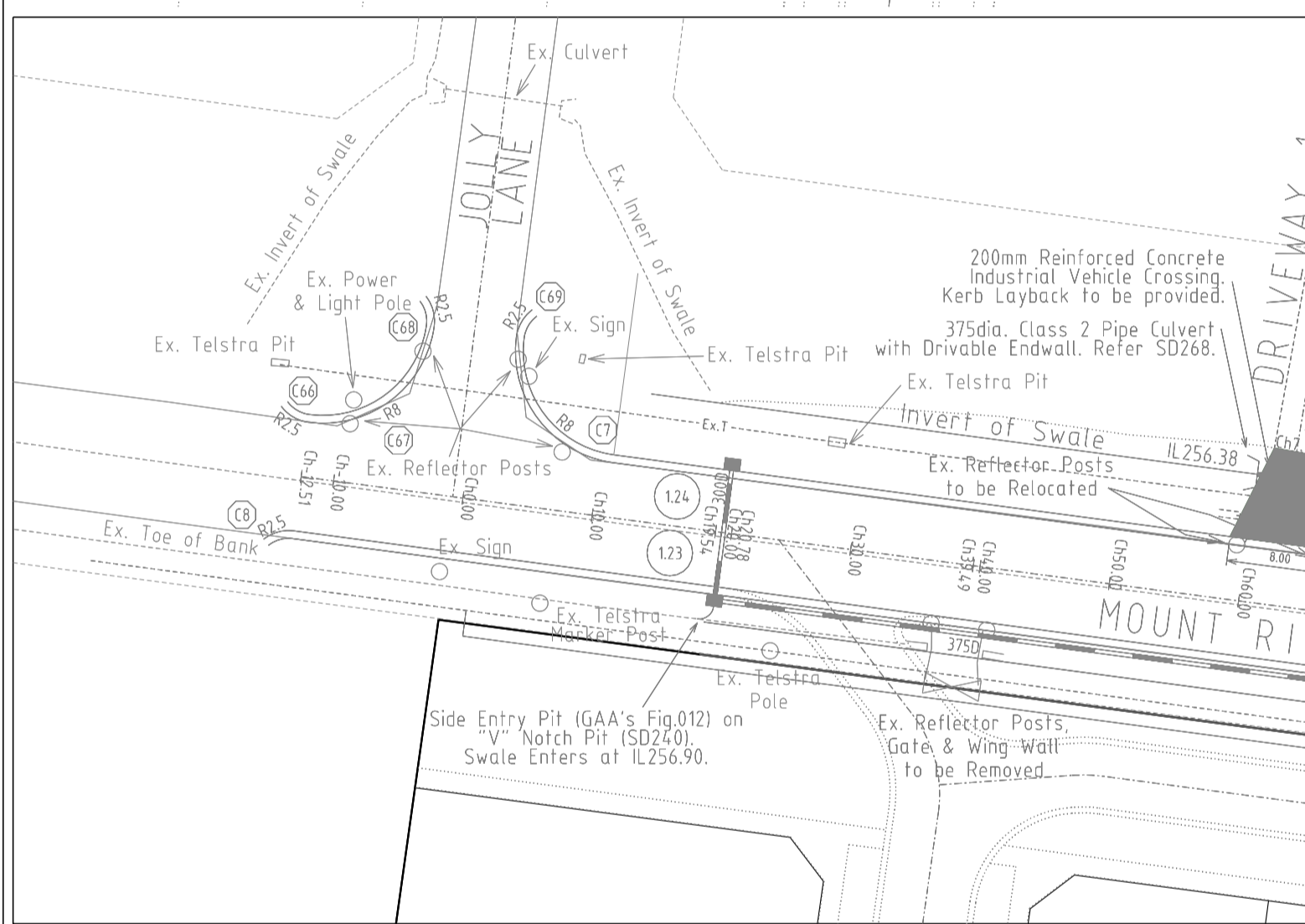
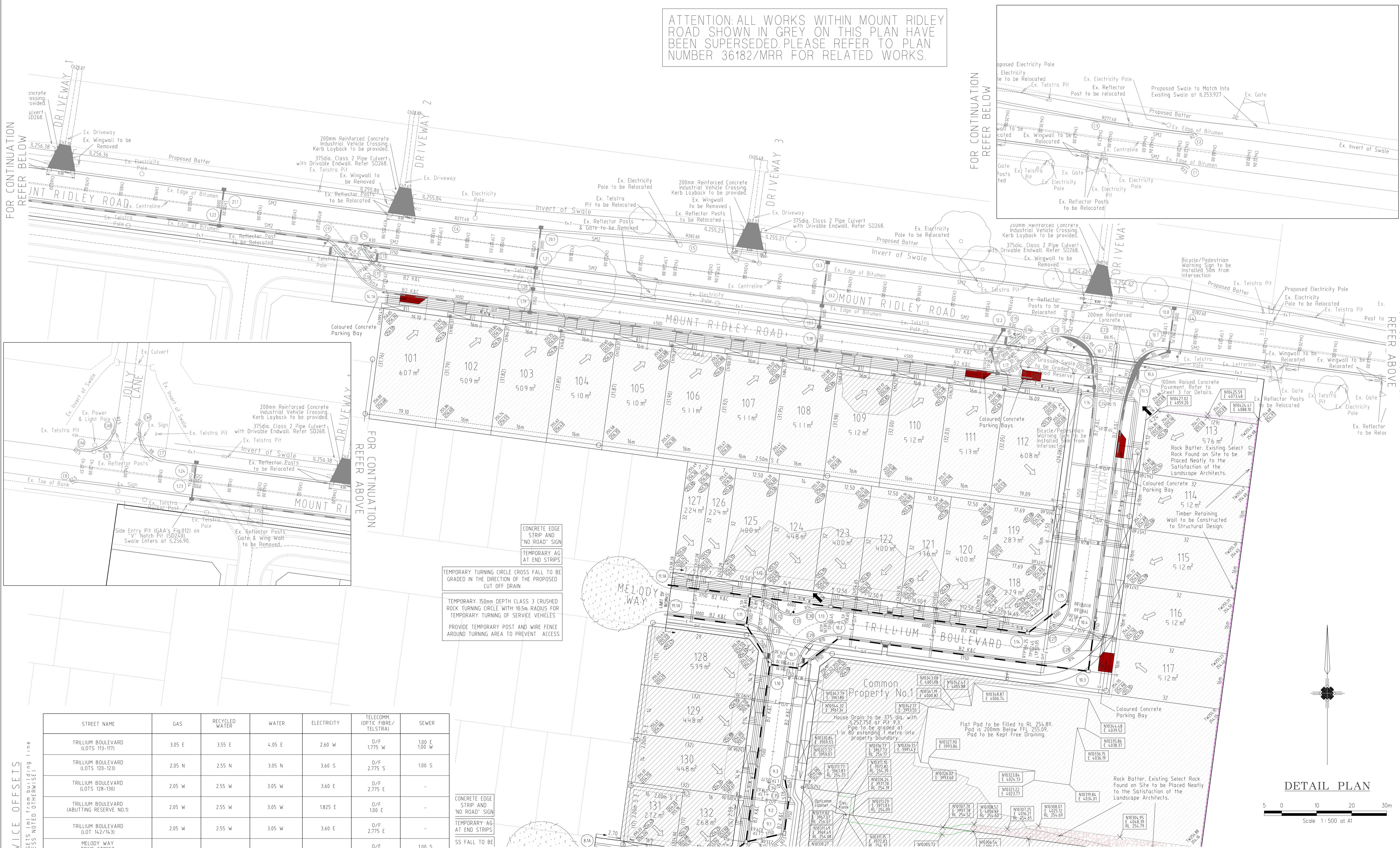
HUME CITY COUNCIL		PLAN NUMBER
VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 1 ROAD AND DRAINAGE PLANS		36182/1 R03
TYPICAL PAVEMENT CROSS SECTIONS & RETAINING WALL DETAILS		REVISION N
		SHEET 03 OF 29

ATTENTION: ALL WORKS WITHIN MOUNT RIDLEY ROAD SHOWN IN GREY ON THIS PLAN HAVE BEEN SUPERSEDED. PLEASE REFER TO PLAN NUMBER 36182/MRR FOR RELATED WORKS.

FOR CONTINUATION REFER BELOW

FOR CONTINUATION REFER BELOW

FOR CONTINUATION REFER ABOVE



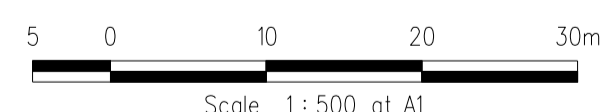
CONCRETE EDGE STRIP AND "NO ROAD" SIGN
 TEMPORARY AG AT END STRIPS
 TEMPORARY TURNING CIRCLE CROSS FALL TO BE GRADED IN THE DIRECTION OF THE PROPOSED CUT OFF DRAIN
 TEMPORARY 150mm DEPTH CLASS 3 CRUSHED ROCK TURNING CIRCLE WITH 10.5m RADIUS FOR TEMPORARY TURNING OF SERVICE VEHICLES
 PROVIDE TEMPORARY POST AND WIRE FENCE AROUND TURNING AREA TO PREVENT ACCESS

CONCRETE EDGE STRIP AND "NO ROAD" SIGN
 TEMPORARY AG AT END STRIPS
 SS FALL TO BE

SERVICE OFFSETS
 SERVICE OFFSETS 1m from building line (UNLESS NOTED OTHERWISE)

STREET NAME	GAS	RECYCLED WATER	WATER	ELECTRICITY	TELECOMM (OPTIC FIBRE/ TELSTRA)	SEWER
TRILLIUM BOULEVARD (LOTS 113-117)	3.05 E	3.55 E	4.05 E	2.60 W	O/F 1.775 W	1.00 E
TRILLIUM BOULEVARD (LOTS 120-123)	2.05 N	2.55 N	3.05 N	3.60 S	O/F 2.775 S	1.00 S
TRILLIUM BOULEVARD (LOTS 128-130)	2.05 W	2.55 W	3.05 W	3.60 E	O/F 2.775 E	-
TRILLIUM BOULEVARD (ABUTTING RESERVE NO.1)	2.05 W	2.55 W	3.05 W	1.825 E	O/F 1.00 E	-
TRILLIUM BOULEVARD (LOT 142/143)	2.05 W	2.55 W	3.05 W	3.60 E	O/F 2.775 E	-
MELODY WAY PRIME STREET DAYBREAK VISTA	2.05 N	2.55 N	3.05 N	2.60 S	O/F 1.775 S	1.00 S (MELODY WAY)
BUDDING LANE	N/A	N/A	N/A	N/A	N/A	2.00 E
MOUNT RIDLEY ROAD (SERVICE ROAD)	1.80 S	2.30 S	2.80 S	3.30 S	O/F 3.80 S TELSTRA 1.00 N	-
MOUNT RIDLEY ROAD	N/A	N/A	N/A	Existing (Prove On-Site)	Existing (Prove On-Site)	-

DETAIL PLAN



DATE	REVISIONS	DETAILS	AUTHORISED	SCALE:	AS SHOWN
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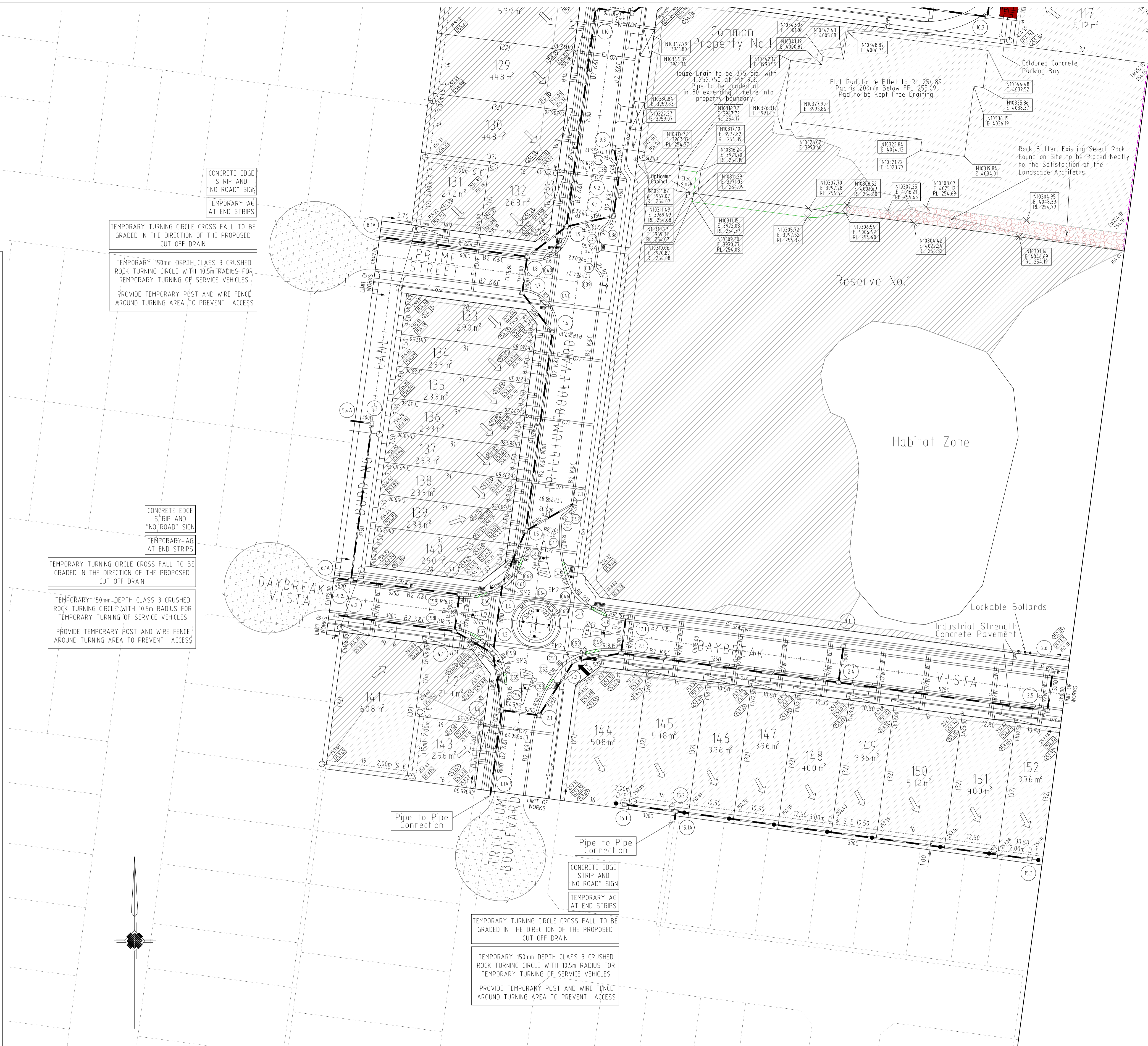
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HUME CITY COUNCIL		PLAN NUMBER
VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 1 ROAD AND DRAINAGE PLANS		36182/1 R04
DETAIL PLAN & SERVICE OFFSET TABLE		REVISION N
		SHEET 4 OF 29

LEGEND

	Kerb & Channel
	Footpath, Vehicular Crossing Layback & House Drain
	Proposed Underground Drainage, Pit & Property Inlet
	Existing Underground Drainage, Pit & Property Inlet
	Drainage Pit Number
	Design Surface Level - Allotments
	Existing Surface Level - Allotments
	Top of Batter Level - Allotments (Front)
	Kerb Level
	Pavement Level
	Proposed Cut Areas - Allotments
	Proposed Fill Areas - Allotments
	Service Conduits
	Gas
	Water
	Recycled Water
	Electricity
	Telstra
	Optic Fibre
	Gas Main
	Water Main
	Optic Fibre Underground Cable
	Electrical Underground Cable & Pit
	Telstra Underground Cable
	Sewer Main, Access Chamber & Inspection Shaft
	Existing Pole (with stay)
	Street Name Sign
	Existing Tree or Plantation
	P.S.M. or Survey Mark
	Lot Slope Direction
	T.B.M. with Description
NOTE:	
1. Symbols are proposed construction (UNO)	
2. Existing construction shown with broken lines	
	Kerb Transition
	Vegetation to be Removed
	Timber Retaining Wall



CONCRETE EDGE STRIP AND "NO ROAD" SIGN
TEMPORARY AG AT END STRIPS

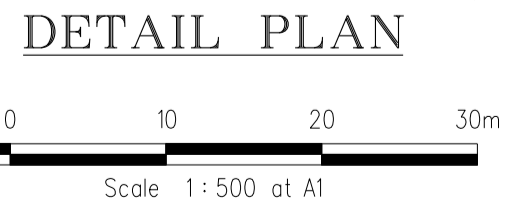
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PROVIDE TEMPORARY POST AND WIRE FENCE AROUND TURNING AREA TO PREVENT ACCESS

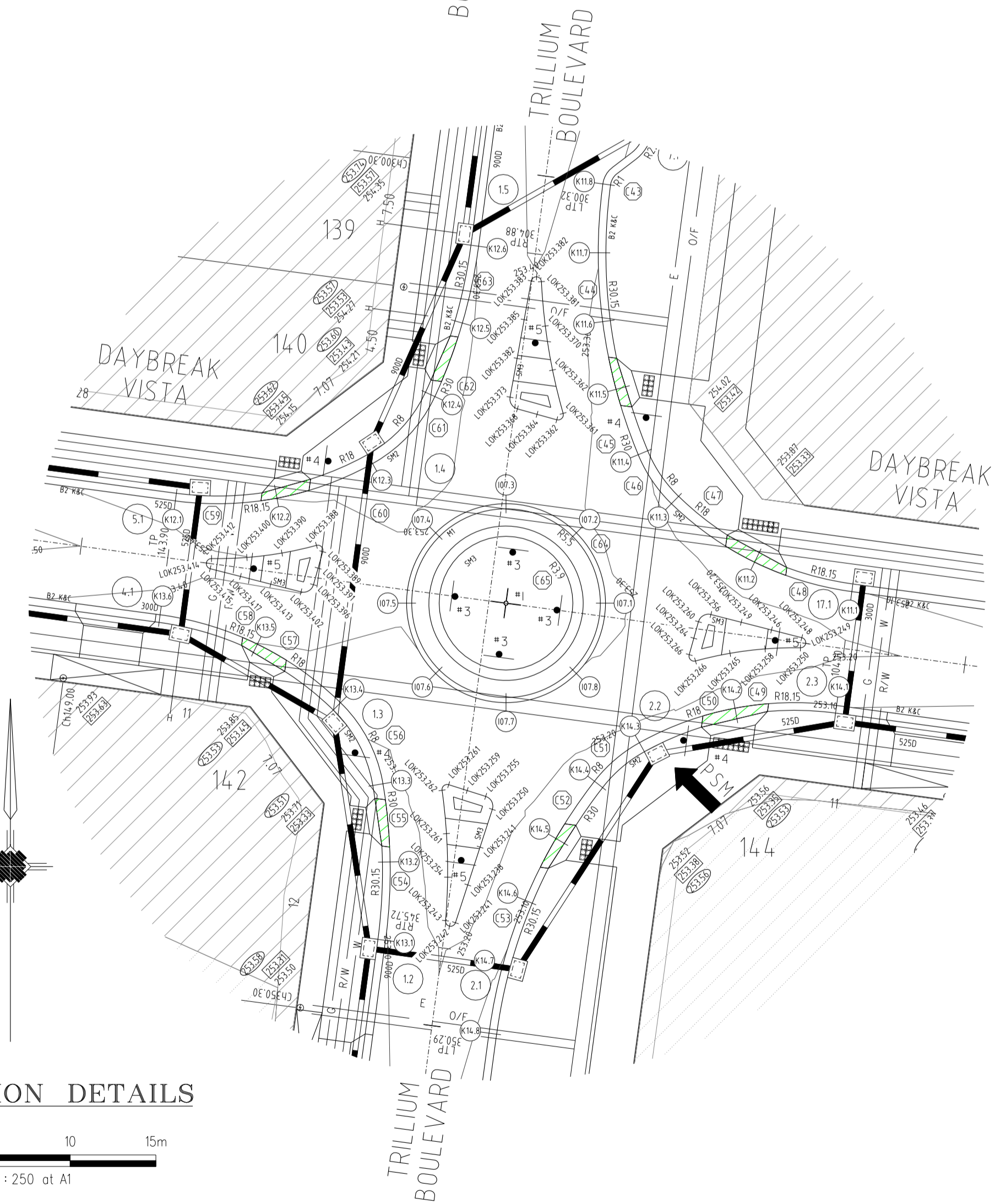
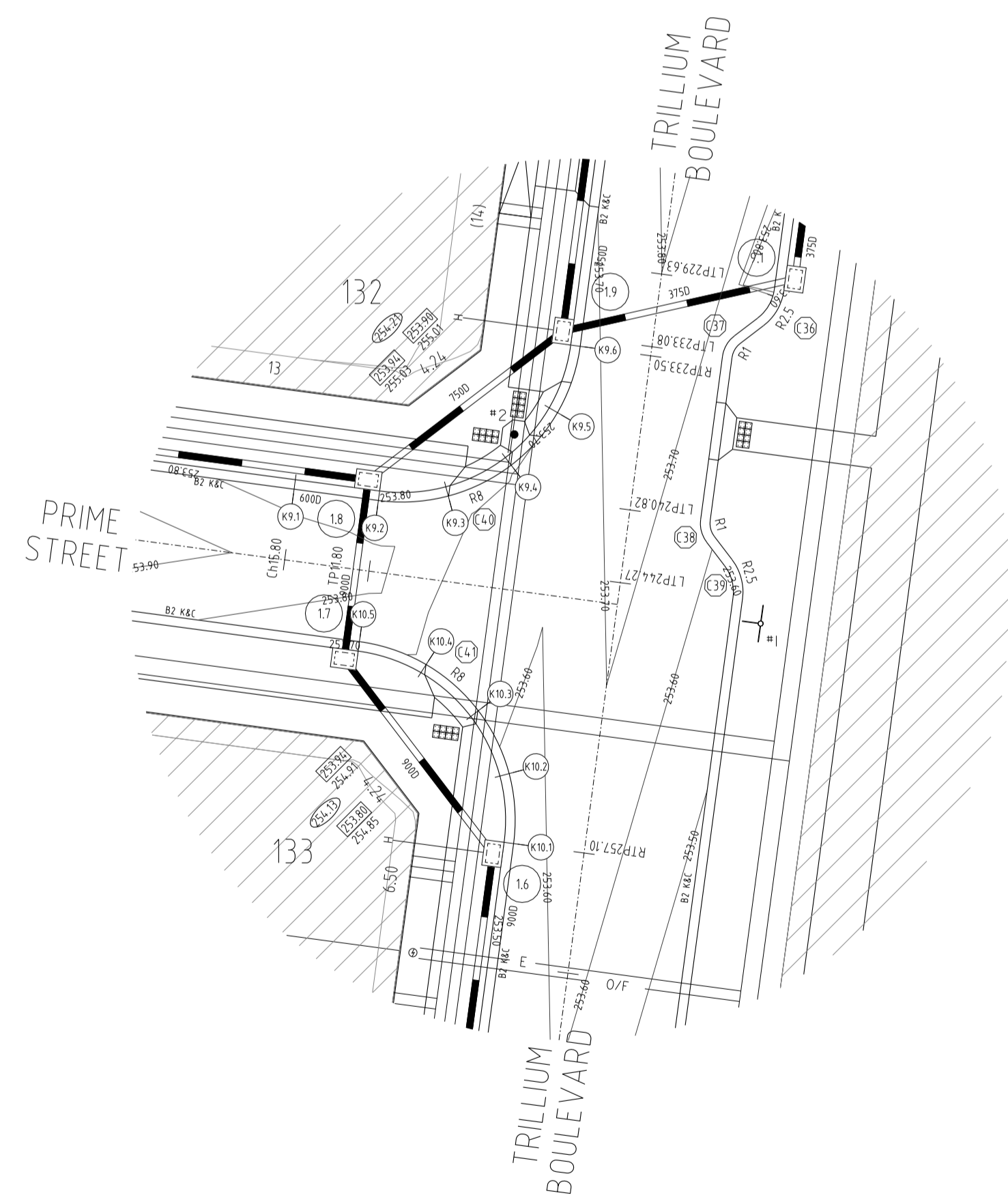
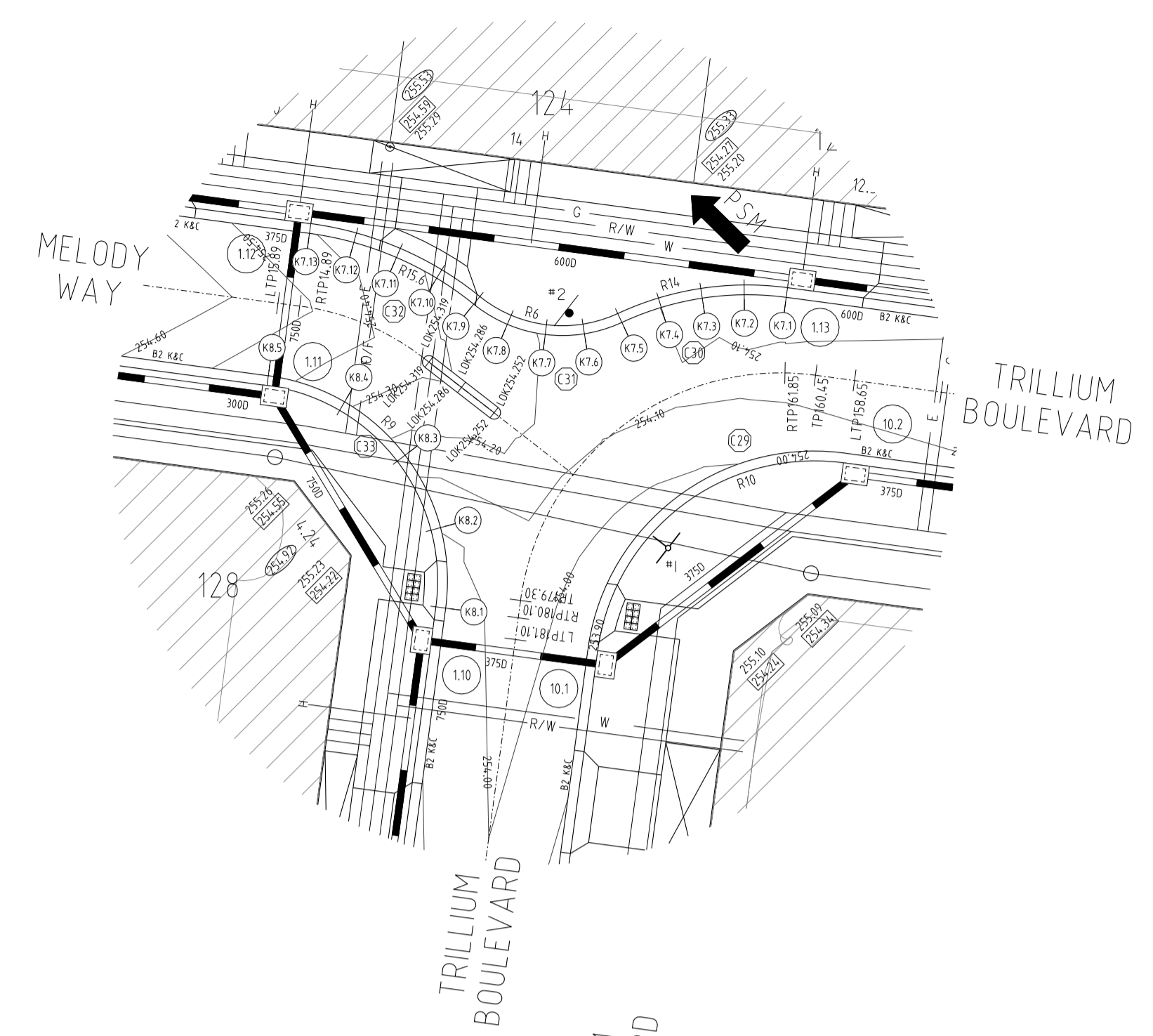
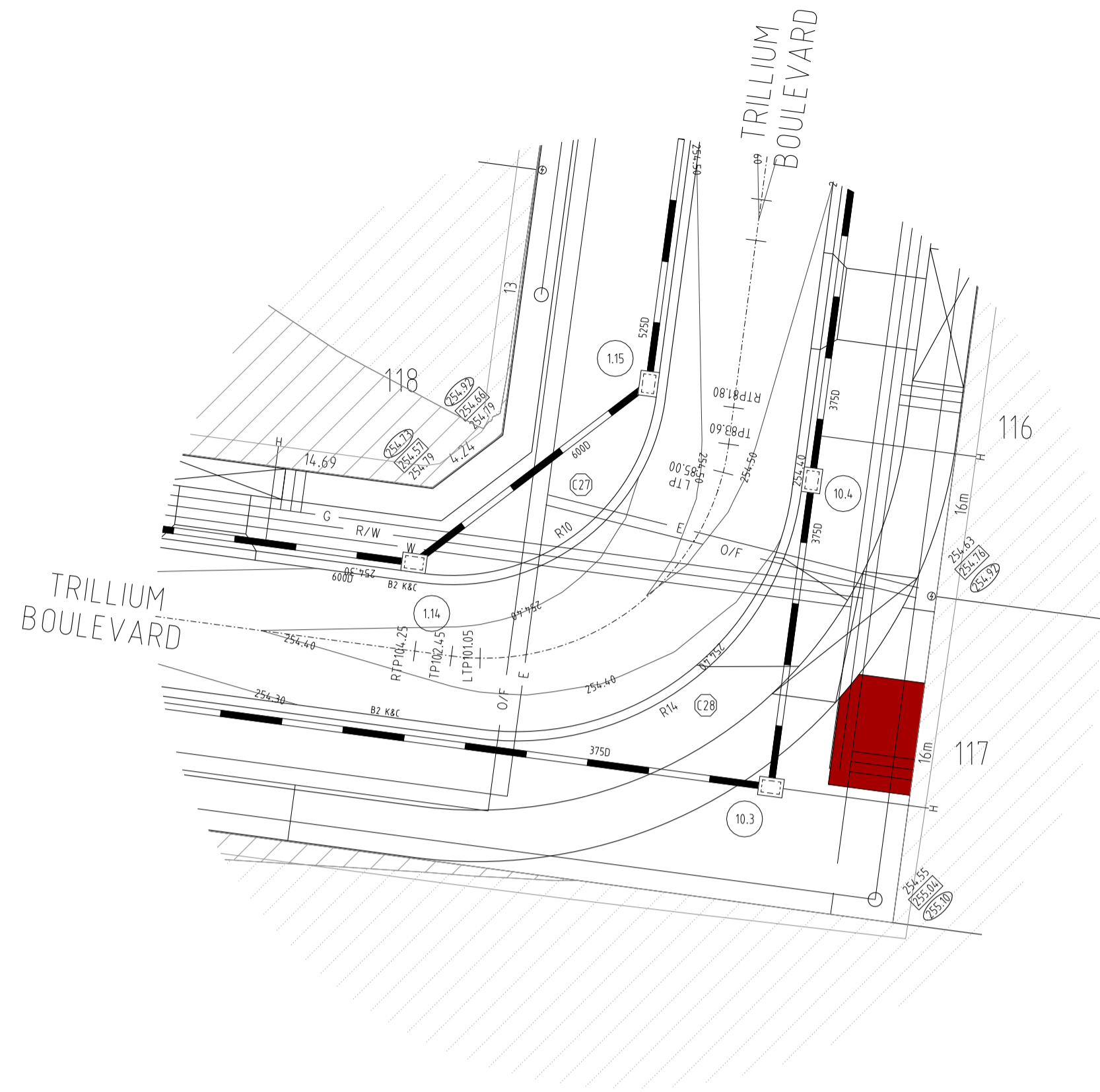


REVISIONS			SCALE:	AS SHOWN
DATE	DETAILS	AUTHORISED	DATE PRINTED:	19/02/2013
19/02/13	N AS CONSTRUCTED	ASC	LEVEL DATA:	K:\36182\36182\LT00
16/01/13	M LINEMARKING AMENDMENTS	ASC	DATUM:	AHD
12/12/12	L LINEMARKING AMENDMENTS	ASC	PROJECT No.:	36182_1
30/11/12	K PAVEMENT MAKEUP AMENDMENTS	ASC	DRAWN:	C.M.H. DATE: FEB 2012
29/11/12	J RESIDENTS CLUB AMENDMENTS	ASC	DESIGNED:	Z.W.L. DATE: FEB 2012
FILENAME k\36182\36182\1\dgn\r05.dgn			AUTHORISED:	A.S.C. DATE: FEB 2012

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HUME CITY COUNCIL		PLAN NUMBER
VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 1 MICKLEHAM ROAD AND DRAINAGE PLANS		36182/1 R05
DETAIL PLAN & LEGEND		REVISION N
		SHEET 5 OF 29



INTERSECTION DETAILS



WARNING
OVERHEAD ELECTRICITY

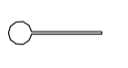


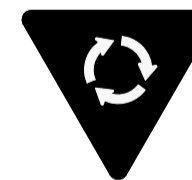

ALL WORKS MUST BE CARRIED OUT IN ACCORDANCE WITH COUNCIL SPECIFICATIONS AND STANDARD DRAWINGS FOR ROAD AND DRAINAGE WORKS

WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN

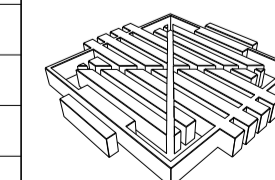
Major Cables exist in the area, if your activities are within Telstra encroachment distances (see duty of care) contact 03 9632 9961 at least 2 business days before starting activity.

RRPM'S TO BE AT 4m SPACING

PLAN LD.	PICTORIAL	CODE No.
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- *1  STREET SIGN
- *2  R1-2A
- *3  D4-1-2A
- *4  R1-3A
- *5  R2-3A

REVISIONS			SCALE:	AS SHOWN
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19/02/13	N AS CONSTRUCTED	ASC	LEVEL DATA:	K:\36182\36182\LT.OPO
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FILENAME k:\36182\36182\1\dgn\r06.dgn			AUTHORISED:	A.S.C. DATE: FEB 2012



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HUME CITY COUNCIL
VILLAWOOD PROPERTIES P/L
TRILLIUM STAGE 1
MICKLEHAM
ROAD AND DRAINAGE PLANS

PLAN NUMBER
36182/1
R06

INTERSECTION DETAILS

REVISION N
SHEET 6 OF 29

K08 KERB RETURN K08

POINT NO	EASTING	NORTHING	RL
K08.1	3949.407	10365.762	253.945
K08.2	3949.174	10359.442	254.006
K08.3	3947.552	10362.752	254.152
K08.4	3944.785	10365.19	254.316
K08.5	3941.297	10366.383	254.435

NOTE: SETOUT IS TO LIP OF KERB

Vertical Grade
VC length

Datum R.L.253	DESIGN CENTRELINE	EXISTING SURFACE	CHAINAGES
-5.00	253.970		
0.00	253.945	255.19	
3.71	254.006	255.21	
7.42	254.152	255.23	
11.13	254.316	255.26	
14.84	254.435	255.28	
19.84	254.564		

K08 LONGITUDINAL SECTION

K09 KERB RETURN K09

POINT NO	EASTING	NORTHING	RL
K09.1	3928.849	10296.114	253.764
K09.2	3932.813	10295.582	253.743
K09.3	3936.103	10295.79	253.726
K09.4	3939.064	10297.241	253.709
K09.5	3941.244	10299.714	253.692
K09.6	3942.311	10302.833	253.675

NOTE: SETOUT IS TO LIP OF KERB

Vertical Grade
VC length

Datum R.L.252	DESIGN CENTRELINE	EXISTING SURFACE	CHAINAGES
-5.00	253.813		
0.00	253.764	255.04	
4.00	253.743	255.01	
7.32	253.726	254.99	
10.64	253.709	254.97	
13.95	253.692	254.97	
17.27	253.675	254.98	
22.27	253.700		

K09 LONGITUDINAL SECTION

K10 KERB RETURN K10

POINT NO	EASTING	NORTHING	RL
K10.1	3939.175	10279.444	253.555
K10.2	3938.967	10282.734	253.583
K10.3	3937.516	10285.694	253.632
K10.4	3935.06	10287.863	253.685
K10.5	3931.923	10288.941	253.724

NOTE: SETOUT IS TO LIP OF KERB

Vertical Grade
VC length

Datum R.L.252	DESIGN CENTRELINE	EXISTING SURFACE	CHAINAGES
-5.00	253.530		
0.00	253.555		
3.32	253.583	254.84	
6.64	253.632	254.88	
9.93	253.685	254.93	
13.27	253.724	254.97	
18.27	253.774		

K10 LONGITUDINAL SECTION

K07 KERB RETURN K07

POINT NO	EASTING	NORTHING	RL
K07.1	3964.982	10369.967	254.034
K07.2	3963.062	10370.087	254.038
K07.3	3961.143	10369.933	254.066
K07.4	3959.265	10369.509	254.099
K07.5	3957.467	10368.823	254.132
K07.6	3955.752	10368.3	254.162
K07.7	3953.959	10368.269	254.193
K07.8	3952.228	10368.733	254.224
K07.9	3950.691	10369.655	254.254
K07.10	3948.997	10370.843	254.289
K07.11	3947.167	10371.79	254.324
K07.12	3945.205	10372.476	254.361
K07.13	3943.179	10372.89	254.409

NOTE: SETOUT IS TO LIP OF KERB

Vertical Grade
VC length

Datum R.L.253	DESIGN CENTRELINE	EXISTING SURFACE	CHAINAGES
-5.00	254.059		
0.00	254.034	255.15	
1.51	254.035	255.16	
3.01	254.038	255.16	
4.52	254.052	255.17	
6.03	254.066	255.17	
7.54	254.099	255.18	
9.05	254.132	255.19	
10.56	254.162	255.20	
12.07	254.193	255.21	
13.58	254.224	255.23	
15.09	254.254	255.24	
16.60	254.289	255.25	
18.11	254.324	255.27	
19.62	254.343	255.28	
21.13	254.361	255.29	
22.64	254.372	255.29	
24.15	254.408	255.30	
25.66	254.409	255.30	
28.18	254.540		

K07 LONGITUDINAL SECTION

K11 KERB RETURN K11

POINT NO	EASTING	NORTHING	RL
K11.1	3954.594	10211.946	253.105
K11.2	3948.921	10213.66	253.139
K11.3	3944.073	10217.072	253.183
K11.4	3942.137	10219.93	253.212
K11.5	3940.843	10223.741	253.247
K11.6	3940.06	10227.689	253.278
K11.7	3939.801	10231.706	253.305
K11.8	3940.073	10235.722	253.327

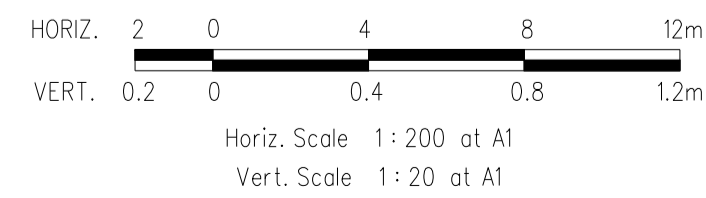
NOTE: SETOUT IS TO LIP OF KERB

Vertical Grade
VC length

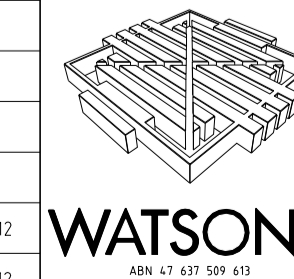
Datum R.L.252	DESIGN CENTRELINE	EXISTING SURFACE	CHAINAGES
-5.00	253.080		
0.00	253.105	253.72	
5.95	253.139	253.80	
7.87	253.152	253.83	
11.91	253.183	253.91	
15.38	253.212	253.98	
15.75	253.216	253.99	
19.41	253.247	254.07	
23.44	253.278	254.14	
23.62	253.279	254.14	
27.47	253.305	254.19	
31.49	253.327	254.24	
36.49	253.353		

K11 LONGITUDINAL SECTION

LONGITUDINAL SECTIONS



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HUME CITY COUNCIL
VILLAWOOD PROPERTIES P/L
TRILLIUM STAGE 1
MICKLEHAM
ROAD AND DRAINAGE PLANS

PLAN NUMBER
36182/1
R07

LIP OF KERB PROFILES

REVISION N
SHEET 7 OF 29

KERB RETURN K12

POINT NO.	EASTING	NORTHING	RL
K12.1	3915.143	10217.235	253.35
K12.2	3921.067	10217.394	253.297
K12.3	3926.643	10219.409	253.247
K12.4	3930.275	10223.32	253.257
K12.5	3931.879	10227.61	253.281
K12.6	3932.826	10232.09	253.304

NOTE: SETOUT IS TO LIP OF KERB

Vertical Grade
VC length

Datum R.L. 252

	253.387	253.350	253.350	253.316	253.297	253.275	253.275	253.247	253.247	253.251	253.257	253.304	253.330
DESIGN CENTRELINE		254.10	254.10	254.09	254.08	254.08	254.08	254.09	254.09	254.13	254.14	254.25	253.330
EXISTING SURFACE		254.10	254.10	254.09	254.08	254.08	254.08	254.09	254.09	254.13	254.14	254.25	253.330
CHAINAGES	-5.00	0.00	0.01	4.01	5.95	8.01	8.03	11.91	12.03	16.03	17.33	21.92	26.50

K12 LONGITUDINAL SECTION

KERB RETURN K13

POINT NO.	EASTING	NORTHING	RL
K13.1	3927.398	10191.607	253.096
K13.2	3927.665	10196.178	253.125
K13.3	3927.247	10200.739	253.167
K13.4	3924.773	10205.469	253.232
K13.5	3919.926	10208.881	253.298
K13.6	3914.252	10210.595	253.35

NOTE: SETOUT IS TO LIP OF KERB

Vertical Grade
VC length

Datum R.L. 251

	253.070	253.096	253.125	253.143	253.167	253.215	253.232	253.292	253.298	253.350	253.387
DESIGN CENTRELINE		253.54	253.62	253.66	253.71	253.80	253.82	253.91	253.97	253.98	253.387
EXISTING SURFACE		253.54	253.62	253.66	253.71	253.80	253.82	253.91	253.97	253.98	253.387
CHAINAGES	-5.00	0.00	4.58	6.63	9.17	13.25	14.59	19.88	20.55	26.50	31.50

K13 LONGITUDINAL SECTION

KERB RETURN K14

POINT NO.	EASTING	NORTHING	RL
K14.1	3953.704	10205.305	253.105
K14.2	3947.778	10205.146	253.152
K14.3	3942.204	10203.131	253.172
K14.4	3939.584	10200.885	253.155
K14.5	3937.331	10197.549	253.134
K14.6	3935.535	10193.947	253.114
K14.7	3934.228	10190.139	253.093
K14.8	3933.432	10186.194	253.073

NOTE: SETOUT IS TO LIP OF KERB

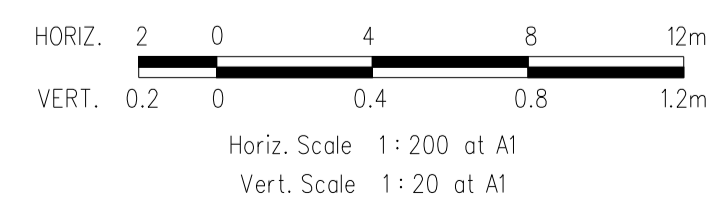
Vertical Grade
VC length

Datum R.L. 251

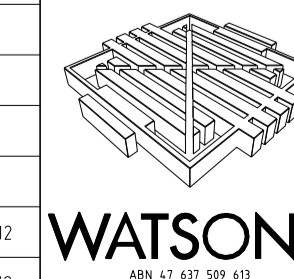
	253.080	253.105	253.105	253.125	253.152	253.153	253.154	253.175	253.172	253.172	253.155	253.134	253.114	253.093	253.073	253.047
DESIGN CENTRELINE		253.61	253.61	253.63	253.64	253.64	253.64	253.65	253.65	253.65	253.62	253.58	253.52	253.47	253.41	253.047
EXISTING SURFACE		253.61	253.61	253.63	253.64	253.64	253.64	253.65	253.65	253.65	253.62	253.58	253.52	253.47	253.41	253.047
CHAINAGES	-5.00	0.00	0.04	3.04	5.95	6.04	6.08	9.08	11.91	12.08	15.38	19.41	23.44	27.47	31.49	36.49

K14 LONGITUDINAL SECTION

LONGITUDINAL SECTIONS



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HUME CITY COUNCIL
VILLAWOOD PROPERTIES P/L
TRILLIUM STAGE 1
MICKLEHAM
ROAD AND DRAINAGE PLANS

PLAN NUMBER
36182/1
R08

LIP OF KERB PROFILES

REVISION N
SHEET 8 OF 29

KERB RETURN I07

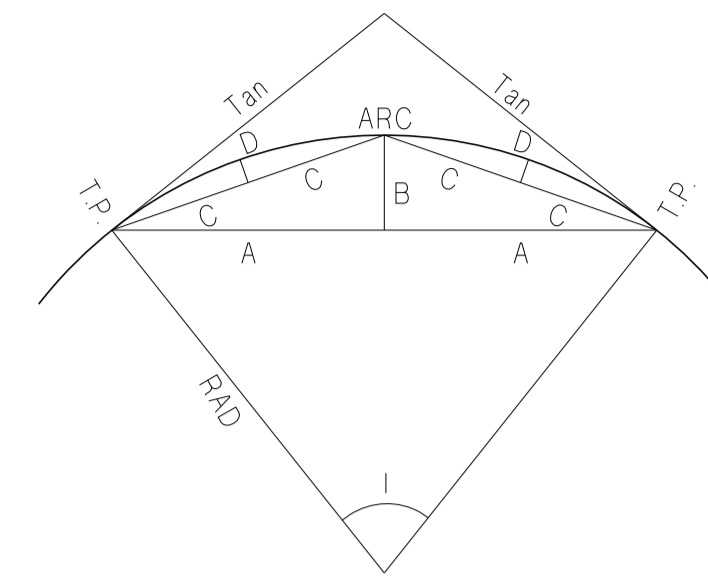
POINT NO.	EASTING	NORTHING	RL
I011	3940.223	10211.27	253.313
I012	3938.524	10215.372	253.327
I013	3934.423	10217.07	253.334
I014	3930.322	10215.372	253.322
I015	3928.623	10211.27	253.309
I016	3930.322	10207.169	253.295
I017	3934.424	10205.47	253.288
I018	3938.524	10207.169	253.3

NOTE: SETOUT IS TO LIP OF KERB

Vertical Grade
VC length

	0.00	0.77	5.33	6.61	9.11	9.88	11.61	14.44	18.22	19.00	23.55	24.83	27.33	28.11	29.83	32.66	36.44
Datum RL 251																	
DESIGN CENTRELINE	253.311	253.313	253.327	253.331	253.334	253.334	253.331	253.322	253.311	253.309	253.295	253.291	253.288	253.288	253.291	253.300	253.311
EXISTING SURFACE	253.81	253.82	253.92	253.94	253.98	253.99	253.99	253.99	253.93	253.92	253.82	253.80	253.76	253.75	253.75	253.75	253.81
CHAINAGES																	

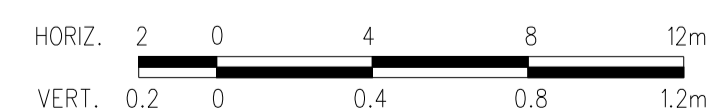
I07 LONGITUDINAL SECTION



CURVE SETOUT TABLE

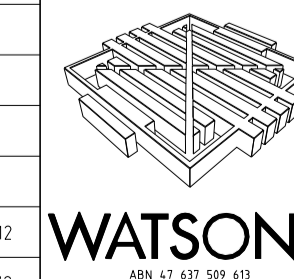
Curve	Radius	l	o	'	"	Arc	Tan	A	B	C	D
27	10	90.00	90	0	1	15.708	10.00	7.07	2.93	3.83	0.76
28	14	90.00	89	59	58	21.991	14.00	9.90	4.10	5.36	1.07
29	10	90.00	90	0	1	15.708	10.00	7.07	2.93	3.83	0.76
30	14	32.58	32	35	6	7.962	4.09	3.93	0.56	1.98	0.14
31	6	63.90	63	54	14	6.692	3.74	3.18	0.91	1.65	0.23
32	15.6	31.32	31	19	18	8.528	4.37	4.21	0.58	2.13	0.15
33	9	90.00	89	59	56	14.137	9.00	6.36	2.64	3.44	0.69
34	1	44.98	44	58	38	0.785	0.41	0.38	0.08	0.19	0.02
35	2.5	45.01	45	0	42	1.964	1.04	0.96	0.19	0.49	0.05
36	2.5	44.99	44	59	19	1.963	1.04	0.96	0.19	0.49	0.05
37	1	44.98	44	58	38	0.785	0.41	0.38	0.08	0.19	0.02
38	1	44.98	44	58	38	0.785	0.41	0.38	0.08	0.19	0.02
39	2.5	45.01	45	0	42	1.964	1.04	0.96	0.19	0.49	0.05
40	8	90.00	89	59	51	12.566	8.00	5.66	2.34	3.06	0.61
41	8	90.00	89	59	51	12.566	8.00	5.66	2.34	3.06	0.61
42	2.5	44.99	44	59	19	1.963	1.04	0.96	0.19	0.49	0.05
43	1	44.98	44	58	38	0.785	0.41	0.38	0.08	0.19	0.02
44	30.15	19.31	19	18	21	10.159	5.13	5.06	0.43	2.54	0.11
45	30	5.19	5	11	34	2.719	1.36	1.36	0.03	0.68	0.01
46	8	23.15	23	9	17	3.233	1.64	1.61	0.16	0.81	0.04
47	18	11.55	11	32	42	3.627	1.82	1.81	0.09	0.91	0.02
48	18.15	12.55	12	33	16	3.977	2.00	1.98	0.11	0.99	0.03
49	18.15	12.55	12	33	16	3.977	2.00	1.98	0.11	0.99	0.03
50	18	11.55	11	32	42	3.627	1.82	1.81	0.09	0.91	0.02
51	8	23.15	23	9	17	3.233	1.64	1.61	0.16	0.81	0.04
52	30	5.15	5	8	56	2.696	1.35	1.35	0.03	0.67	0.01
53	30.15	19.35	19	20	44	10.18	5.14	5.07	0.43	2.54	0.11
54	30.15	10.36	10	21	52	5.454	2.73	2.72	0.12	1.36	0.03
55	30	1.45	1	27	12	0.761	0.38	0.38	0.00	0.19	0.00
56	8	36.15	36	9	13	5.048	2.61	2.48	0.39	1.26	0.10
57	18	11.55	11	32	42	3.627	1.82	1.81	0.09	0.91	0.02
58	18.15	15.81	15	48	33	5.008	2.52	2.50	0.17	1.25	0.04
59	18.15	15.81	15	48	33	5.008	2.52	2.50	0.17	1.25	0.04
60	18	11.55	11	32	42	3.627	1.82	1.81	0.09	0.91	0.02
61	8	36.15	36	9	13	5.048	2.61	2.48	0.39	1.26	0.10
62	30	1.49	1	29	37	0.782	0.39	0.39	0.00	0.20	0.00
63	30.15	10.33	10	19	36	5.434	2.72	2.71	0.12	1.36	0.03
64	5.5	360.01	360	0	19	34.558	0.00	0.00	0.00	0.00	0.00
65	3.9	359.99	359	59	39	24.504	0.00	0.00	0.00	0.00	0.00

LONGITUDINAL SECTIONS



Horiz. Scale 1:200 at A1
Vert. Scale 1:20 at A1

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29/11/12	J RESIDENTS CLUB AMENDMENTS	ASC	DESIGNED:	Z.W.L. DATE: FEB 2012
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HUME CITY COUNCIL
VILLAWOOD PROPERTIES P/L
TRILLIUM STAGE 1
MICKLEHAM
ROAD AND DRAINAGE PLANS

PLAN NUMBER

36182/1
R09

LIP OF KERB PROFILES
& CURVE SETOUT TABLE

REVISION N

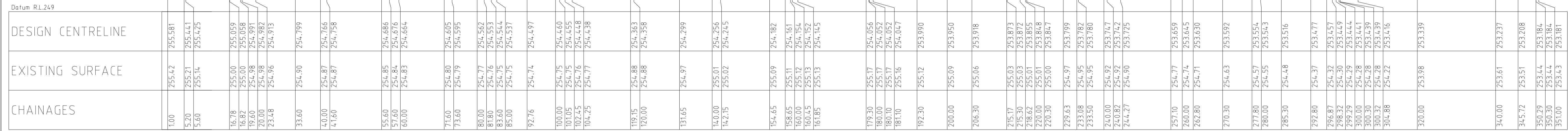
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TRILLIUM BOULEVARD
LONGITUDINAL SECTION

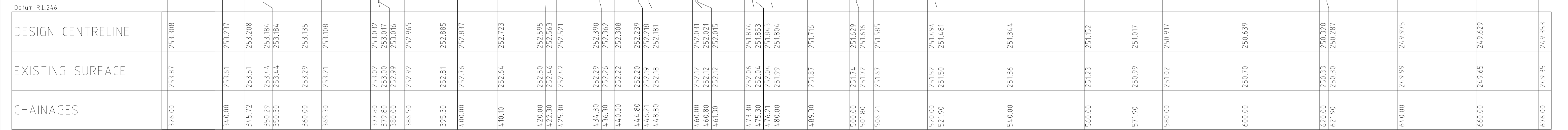
HORIZ 1 0 10 20 30m
VERT 0 5 0 1 2 3m

Horiz Scale 1 500 at A1
Vert Scale 1 50 at A1

Horizontal Geometry
Vertical Grade
VC length



Horizontal Geometry
Vertical Grade
VC length



TRILLIUM BOULEVARD
CROSS SECTIONS

HORIZ 1 0 2 4 6m
VERT 0 5 0 1 2 3m

Horiz Scale 1 100 at A1
Vert Scale 1 50 at A1

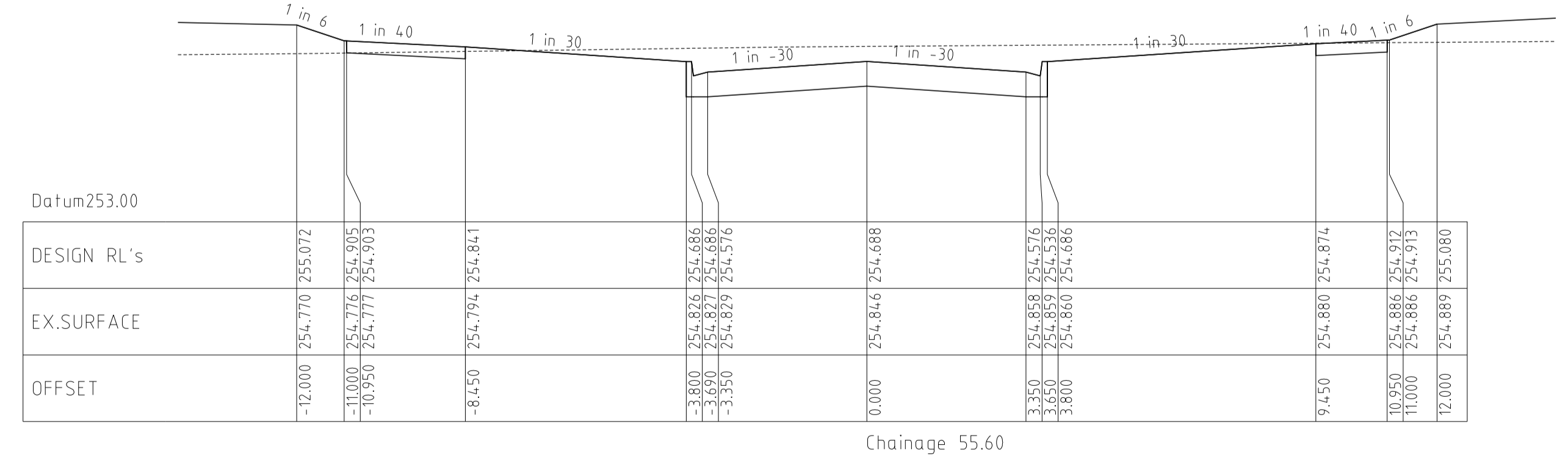
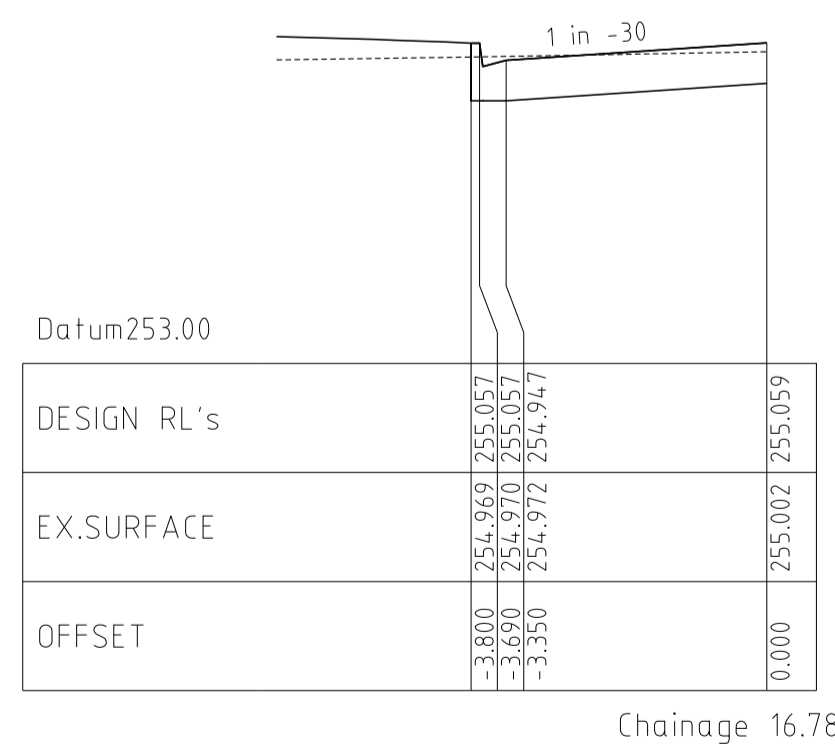
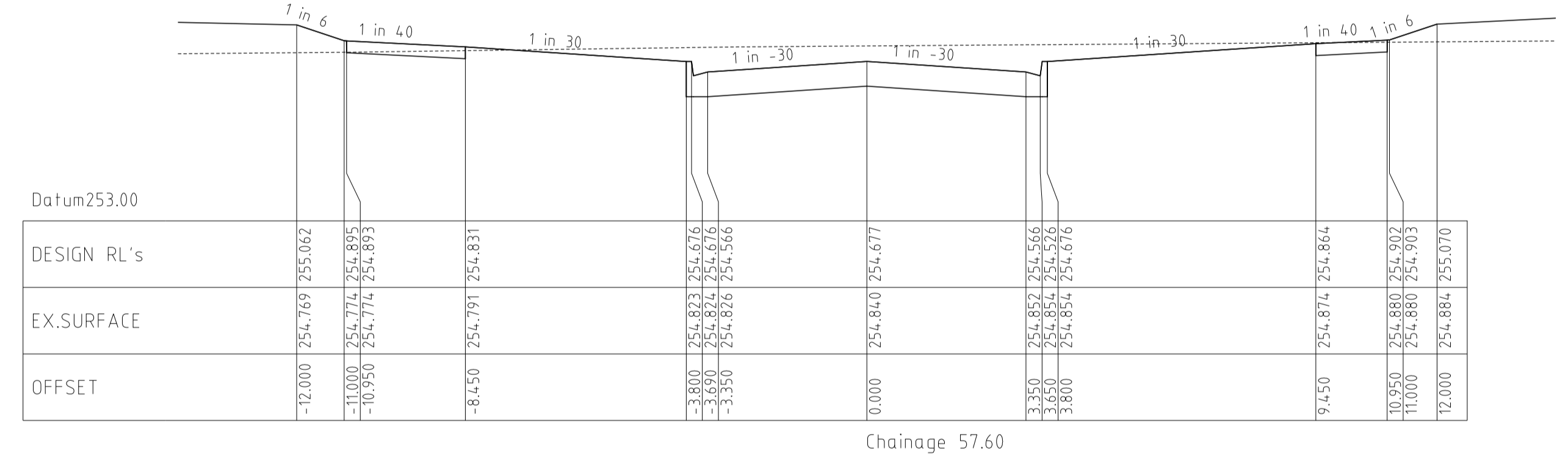
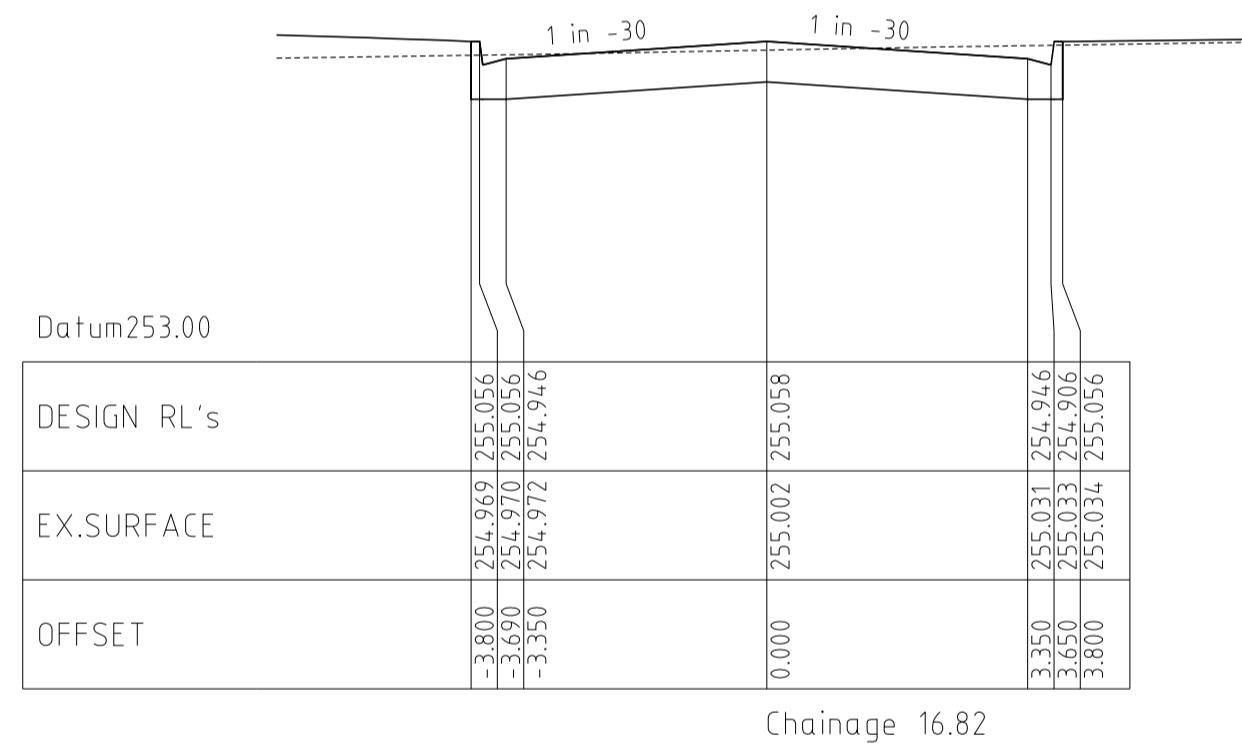
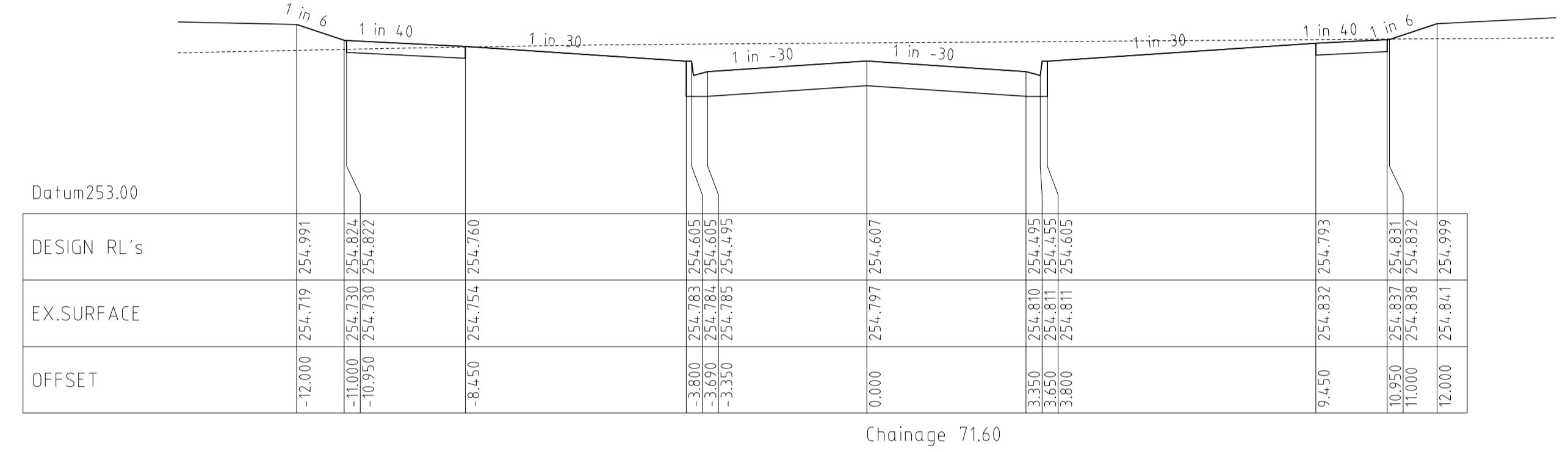
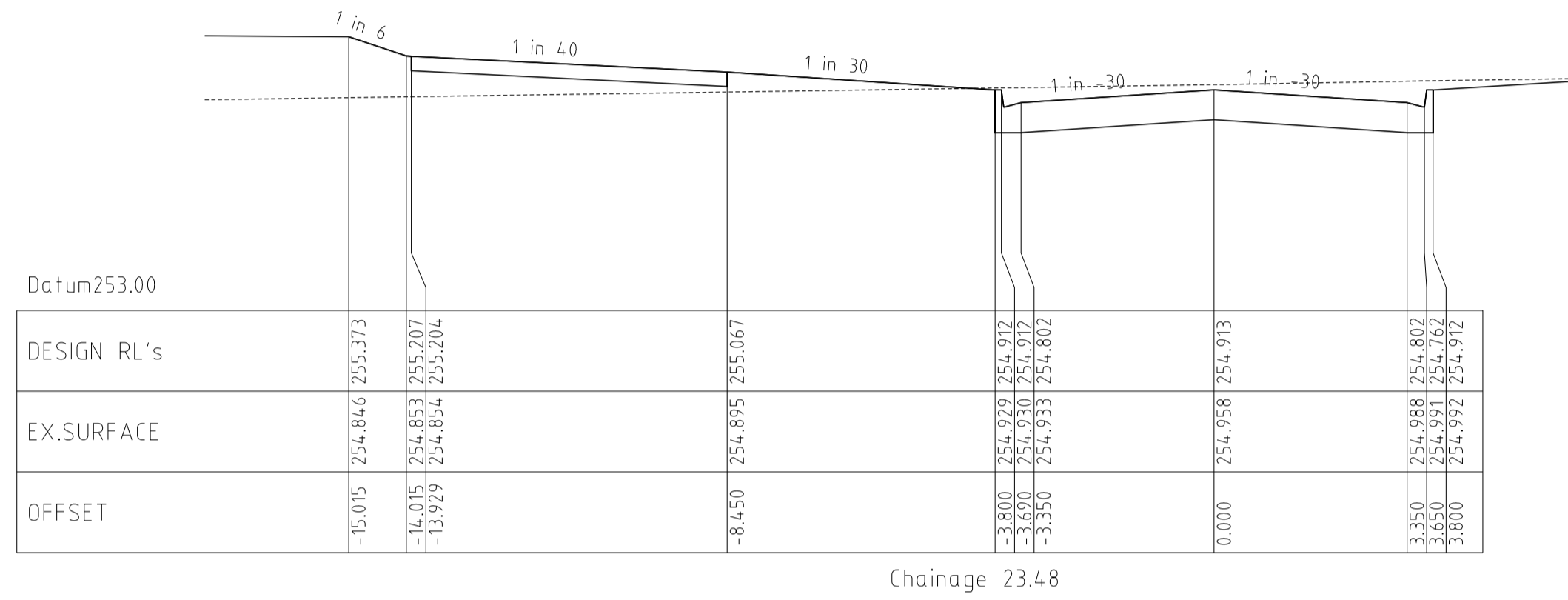
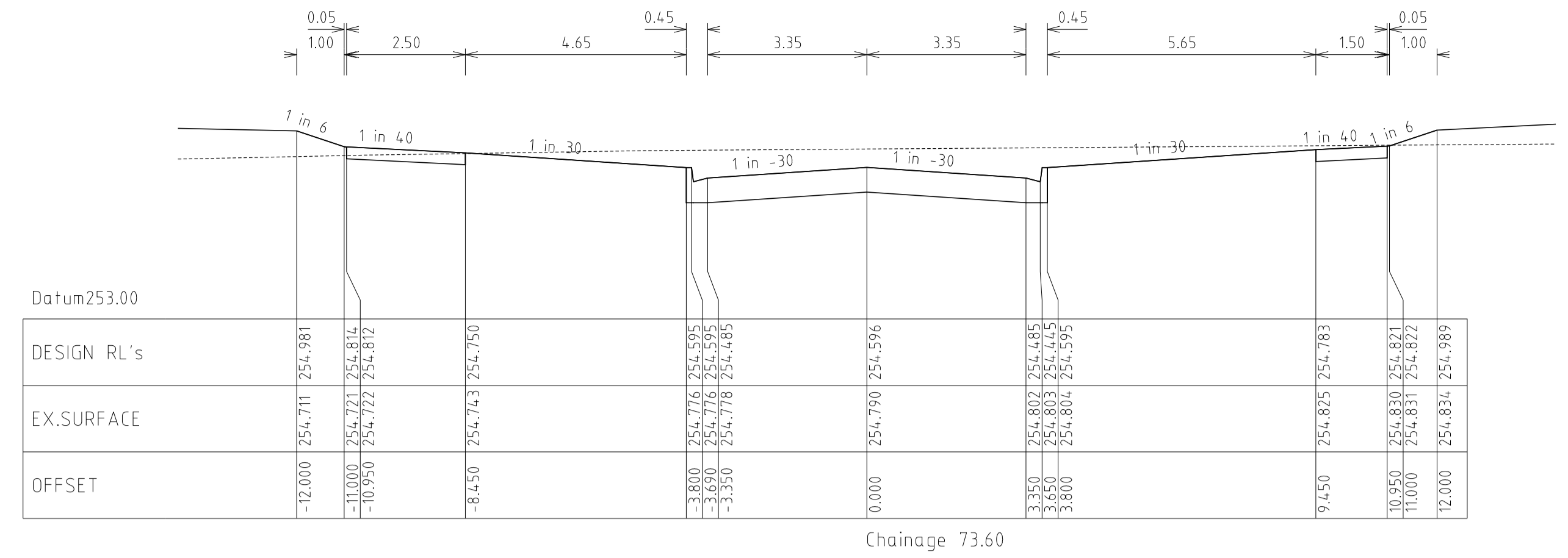
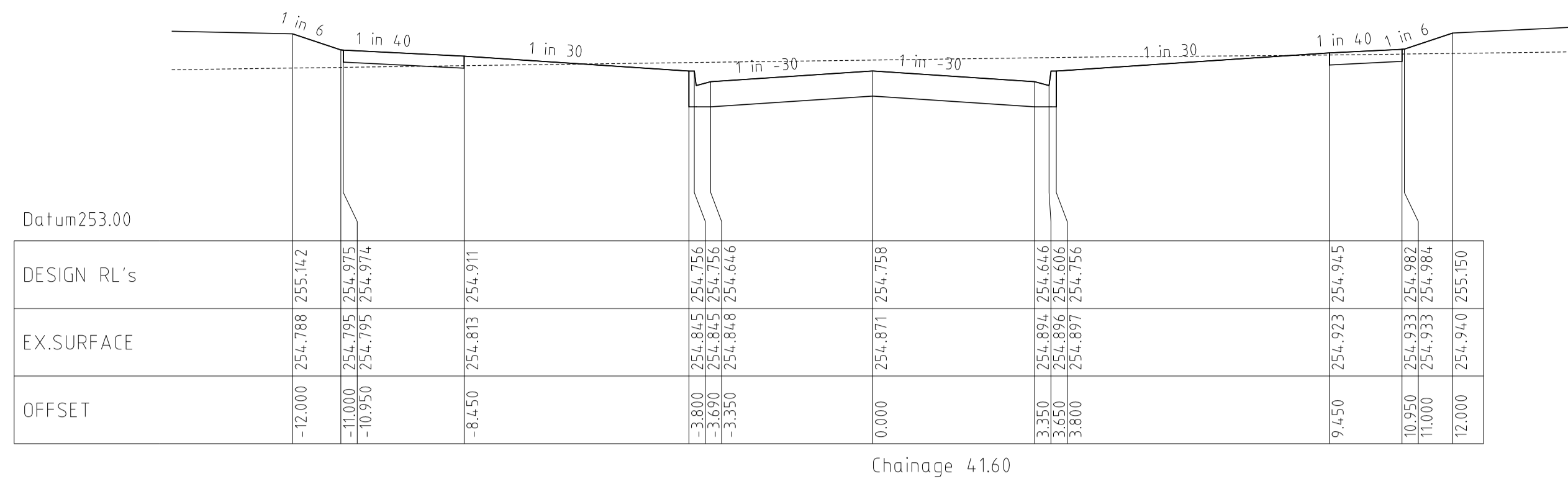
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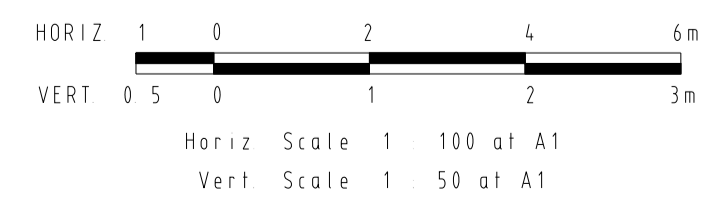
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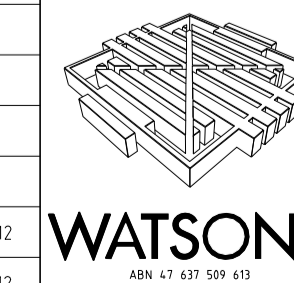
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TRILLIUM BOULEVARD LONGITUDINAL & CROSS SECTIONS		REVISION N
		SHEET 10 OF 29



TRILLIUM BOULEVARD
CROSS SECTIONS



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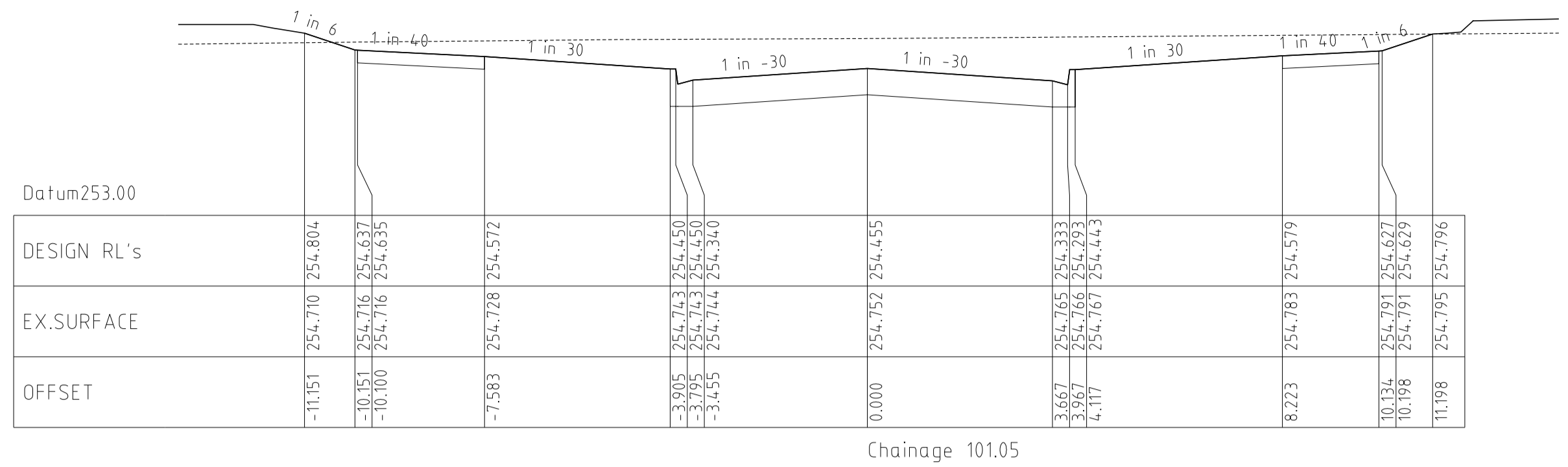
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HUME CITY COUNCIL
VILLAWOOD PROPERTIES P/L
TRILLIUM STAGE 1
MICKLEHAM
ROAD AND DRAINAGE PLANS

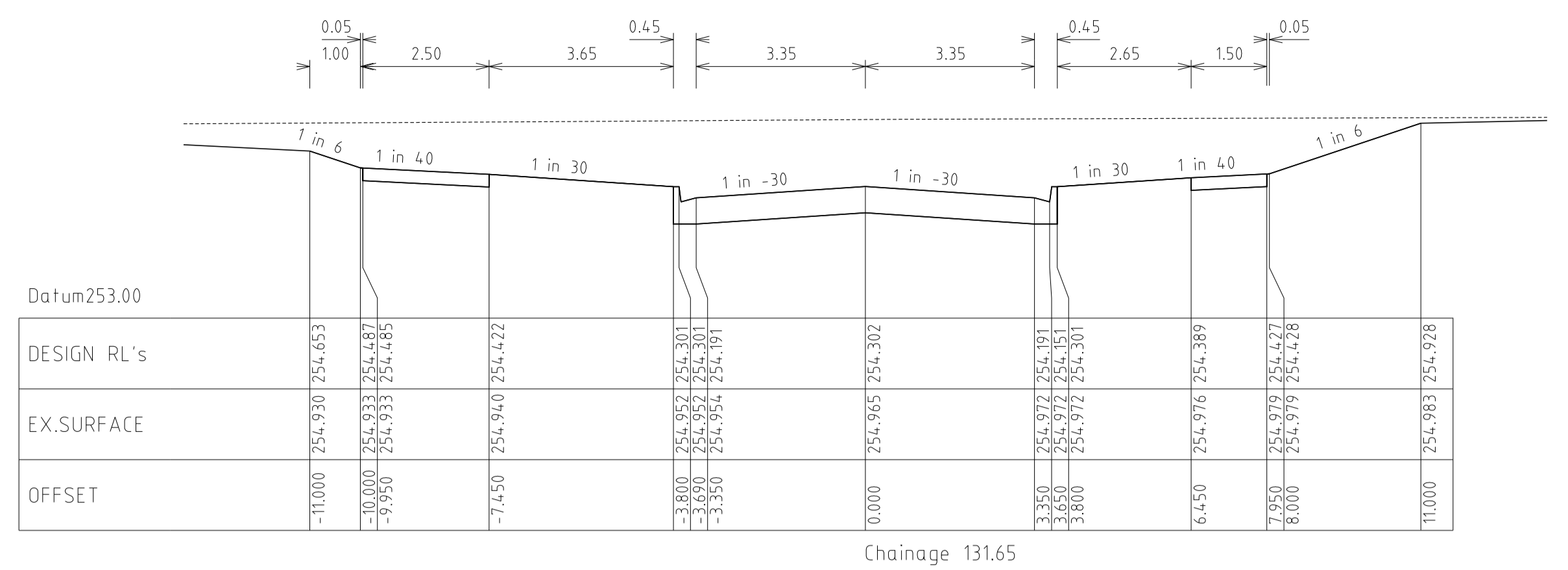
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TRILLIUM BOULEVARD
CROSS SECTIONS

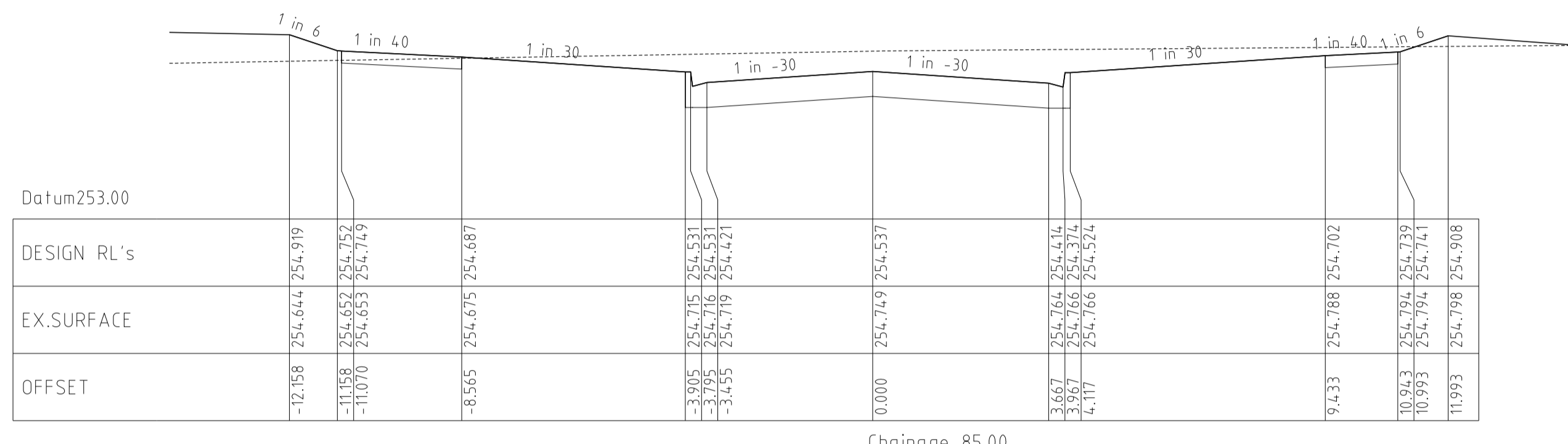
REVISION N
SHEET 11 OF 29



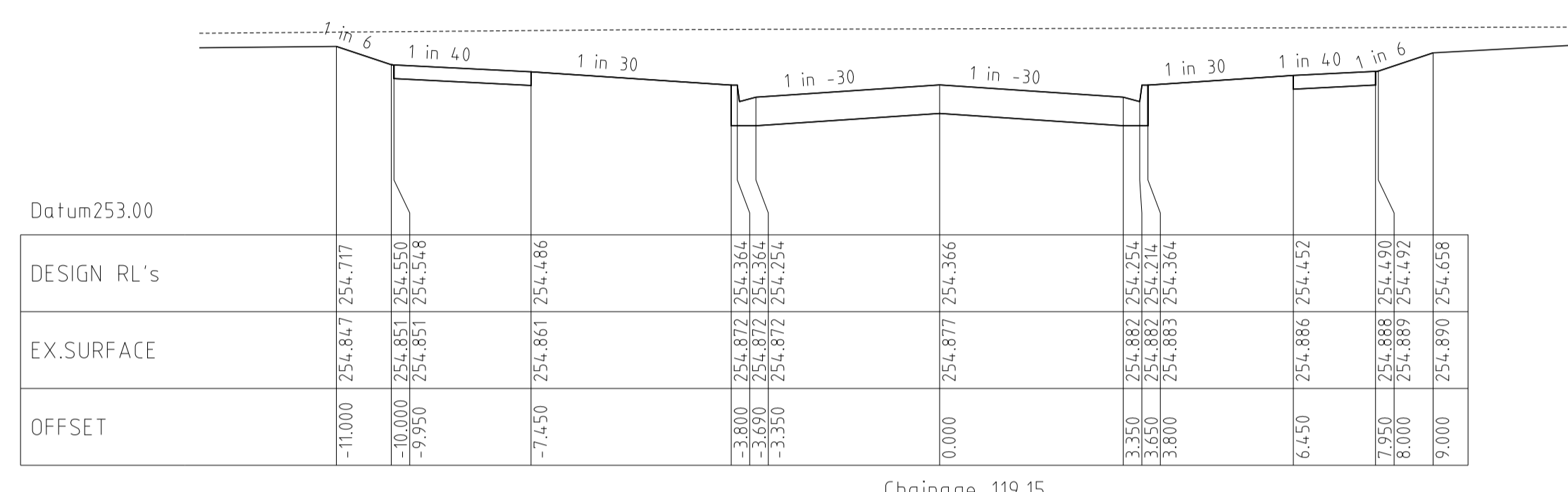
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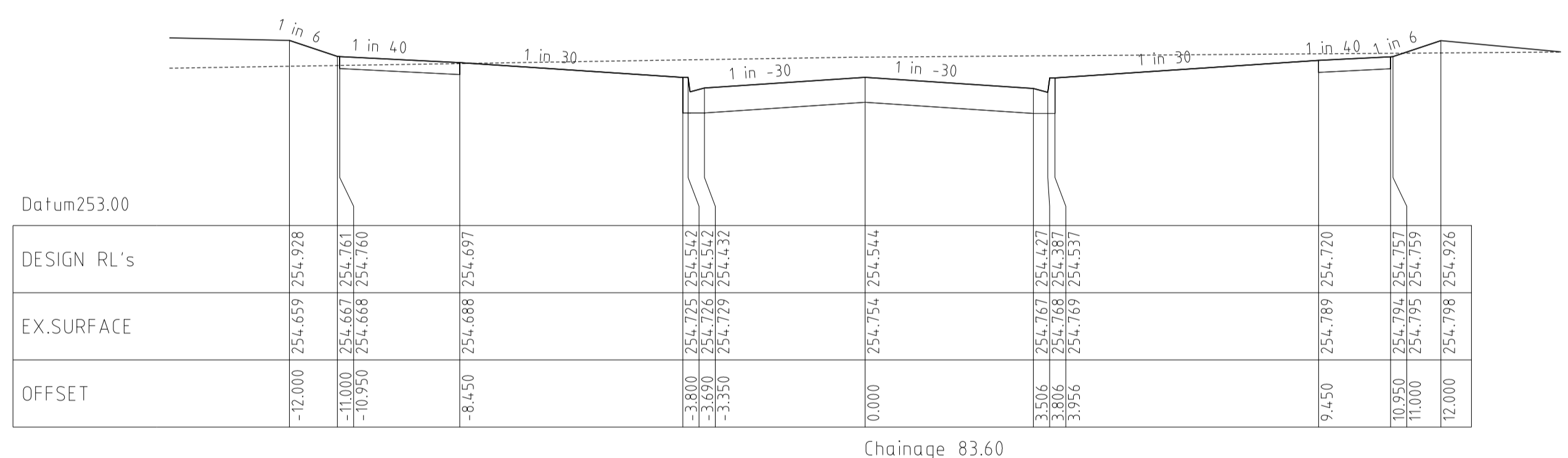
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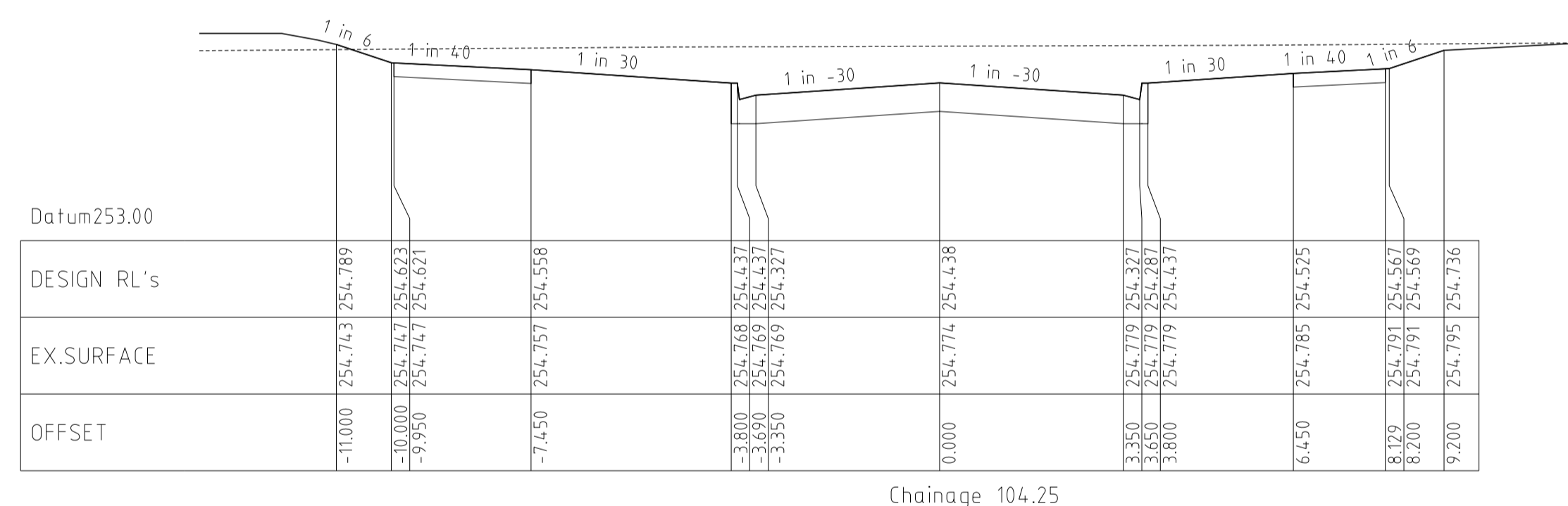
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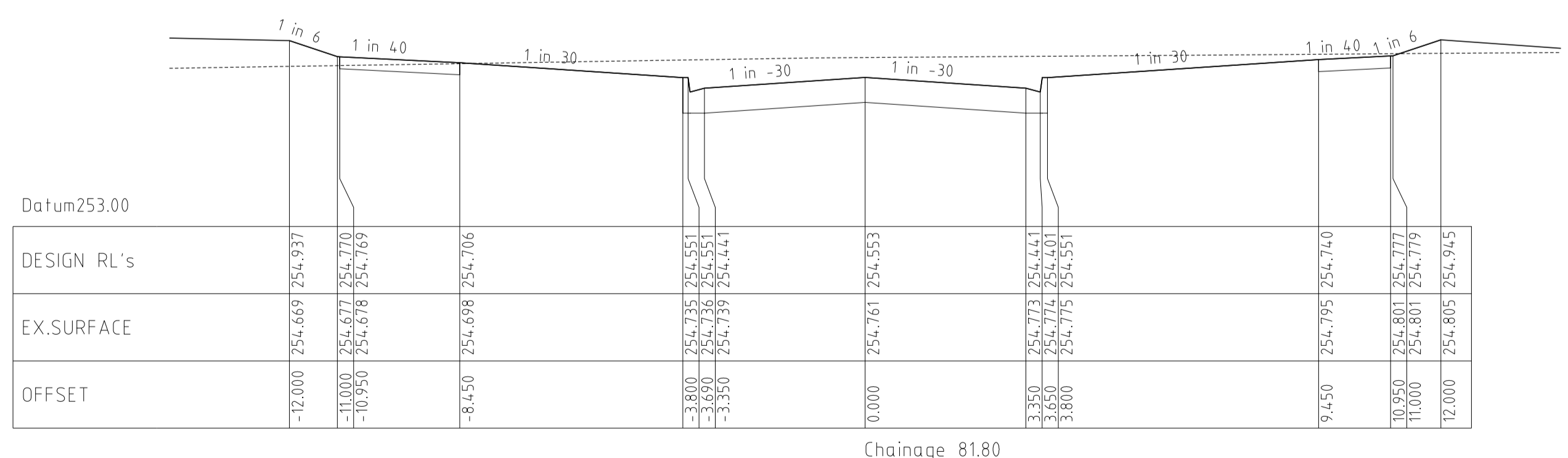
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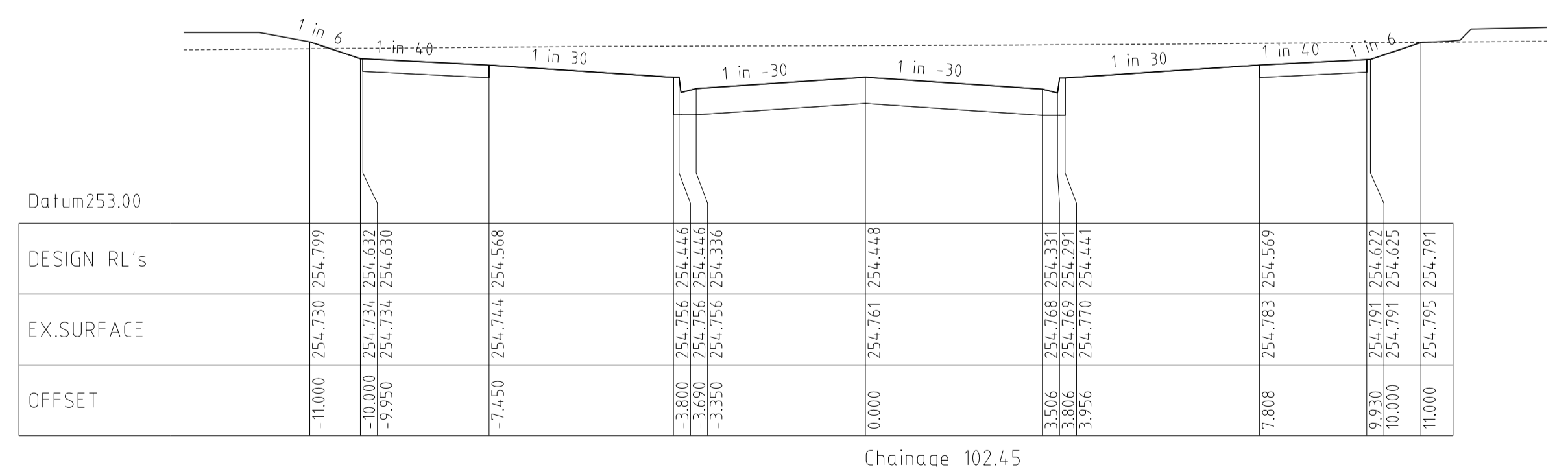
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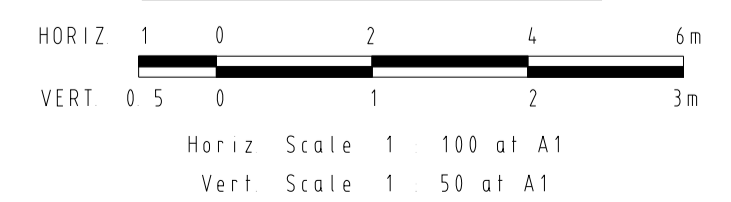


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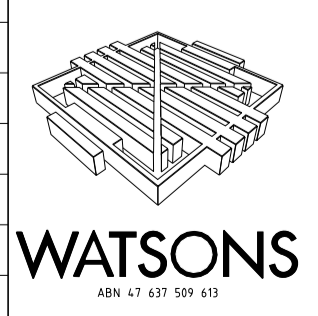


Chainage 102.45

TRILLIUM BOULEVARD
CROSS SECTIONS



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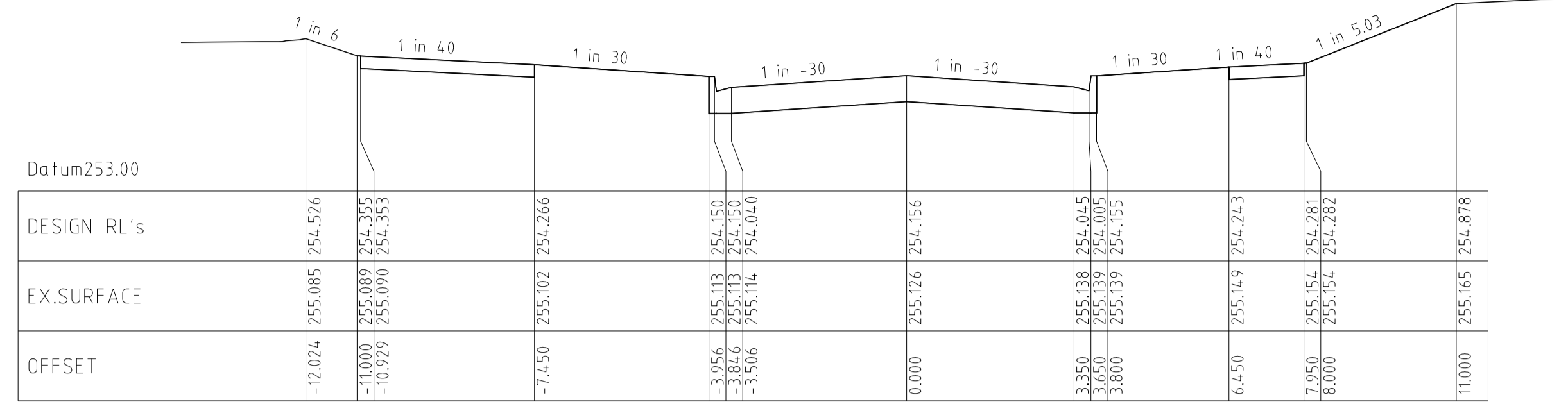
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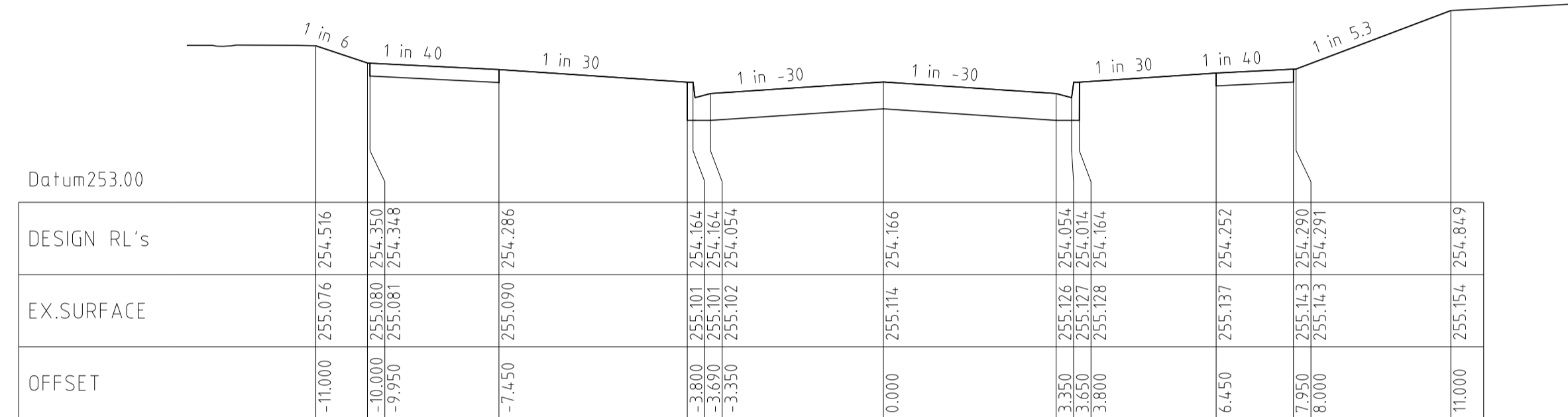
HUME CITY COUNCIL
VILLAWOOD PROPERTIES P/L
TRILLIUM STAGE 1
MICKLEHAM
ROAD AND DRAINAGE PLANS

PLAN NUMBER
36182/1
R12
REVISION
N
SHEET 12 OF 29

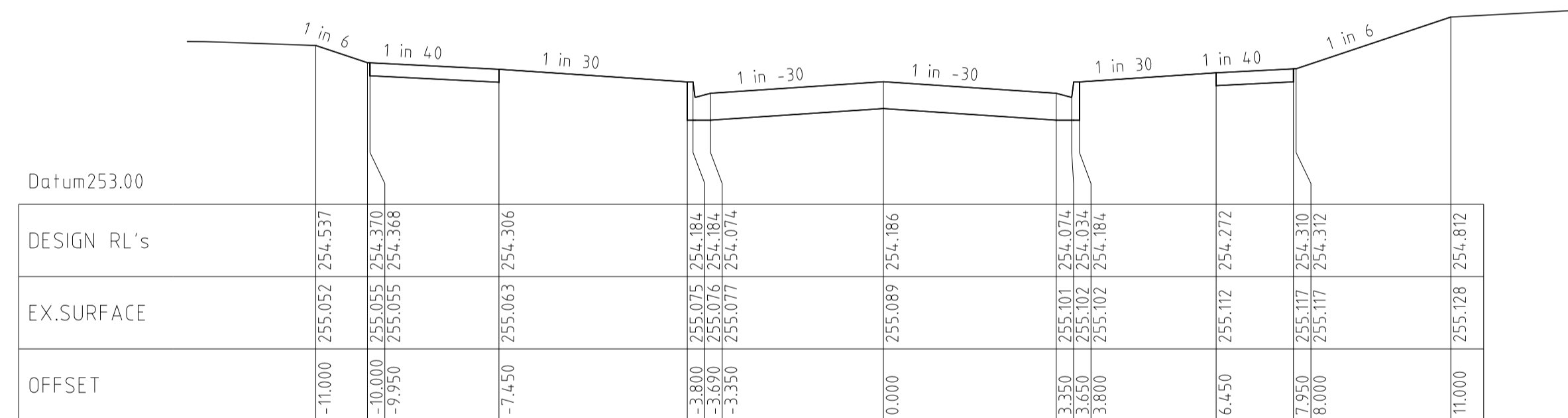
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CROSS SECTIONS



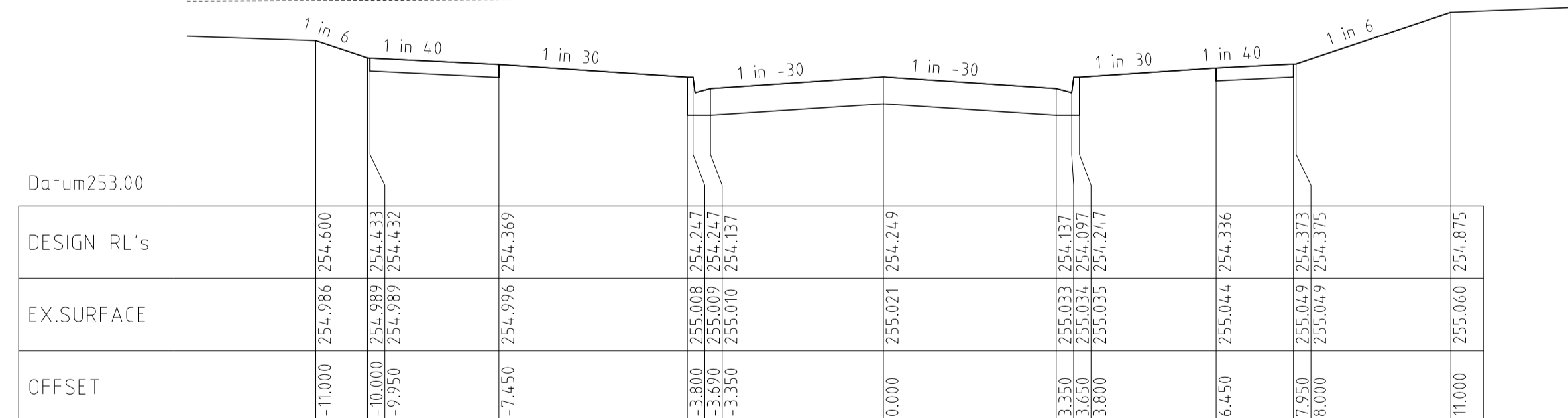
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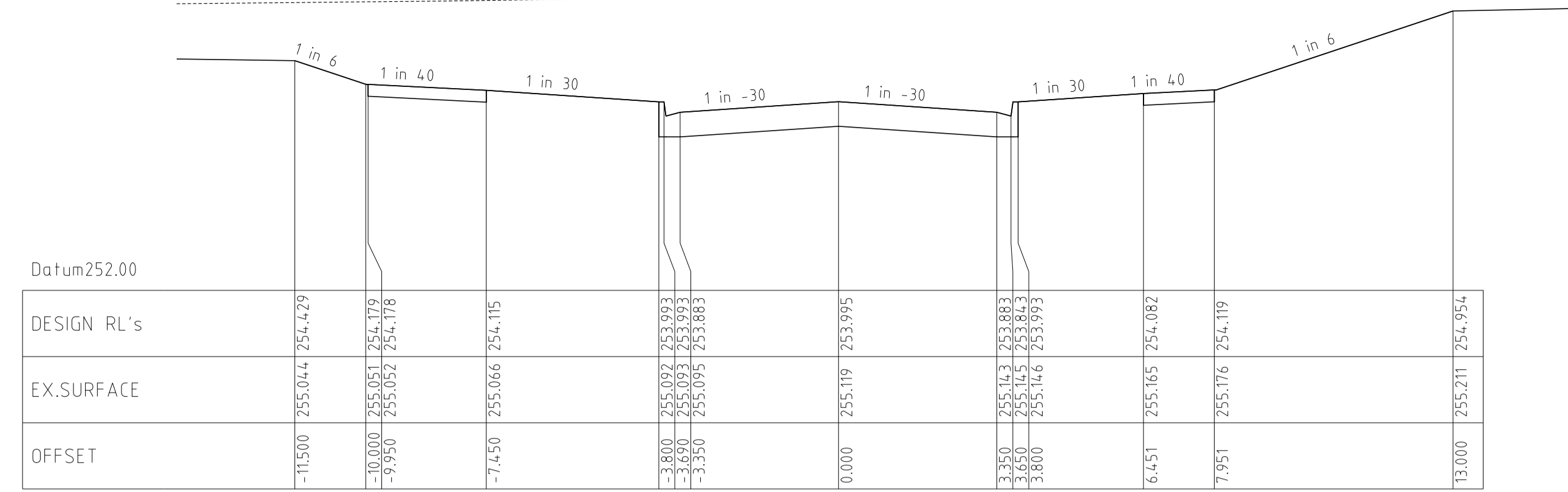
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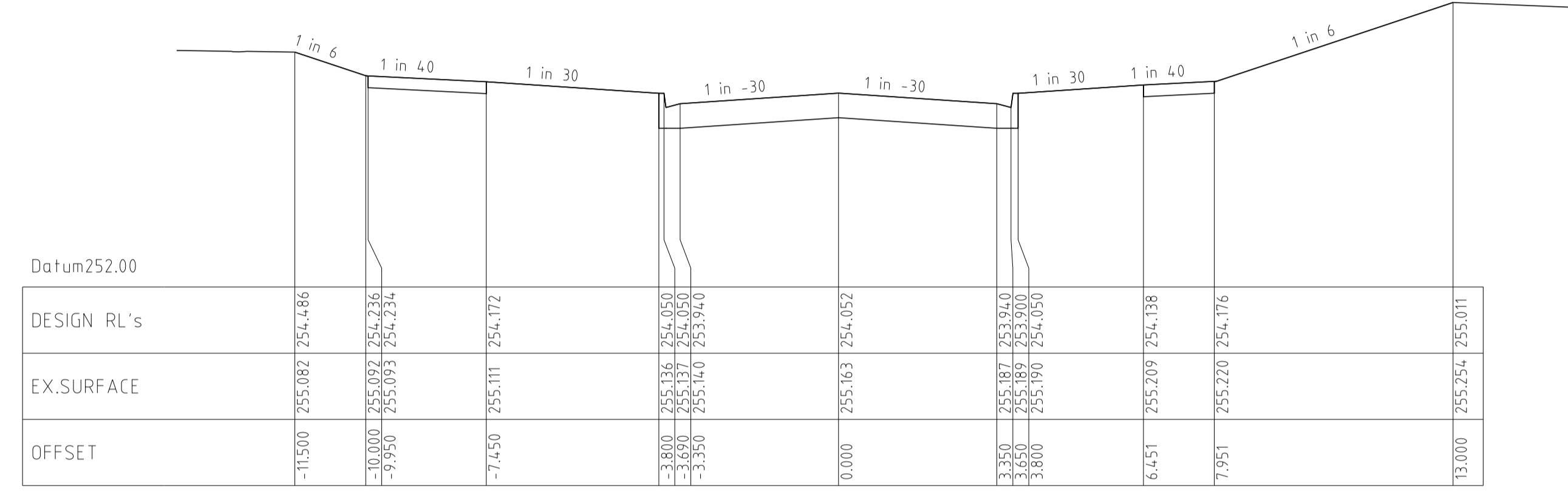
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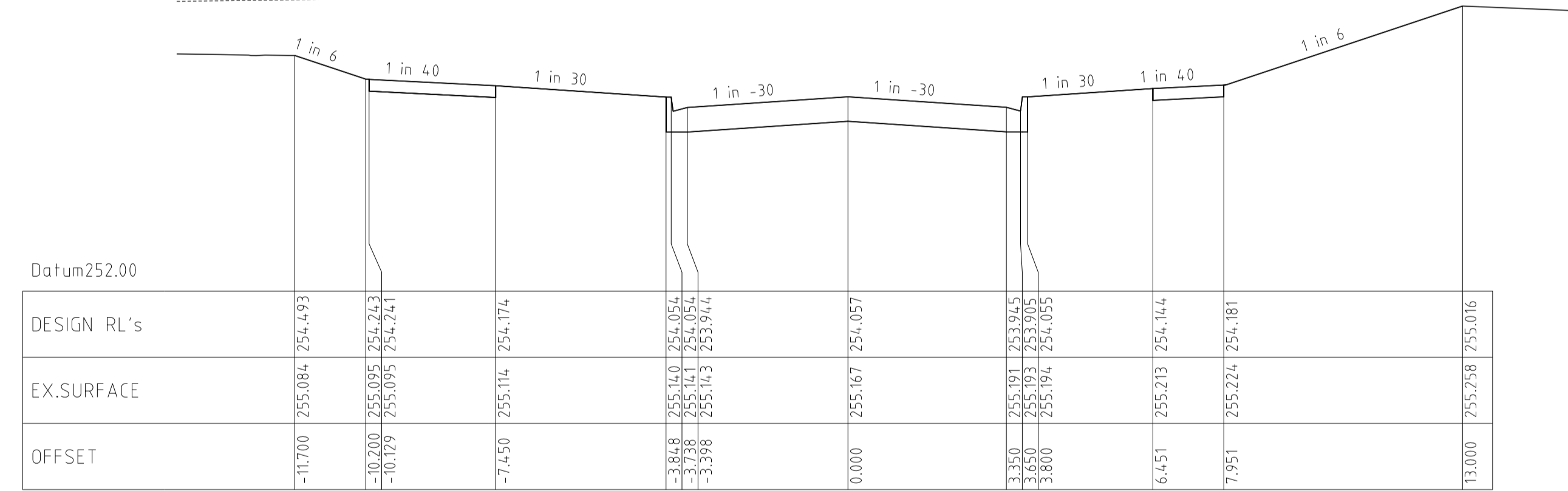
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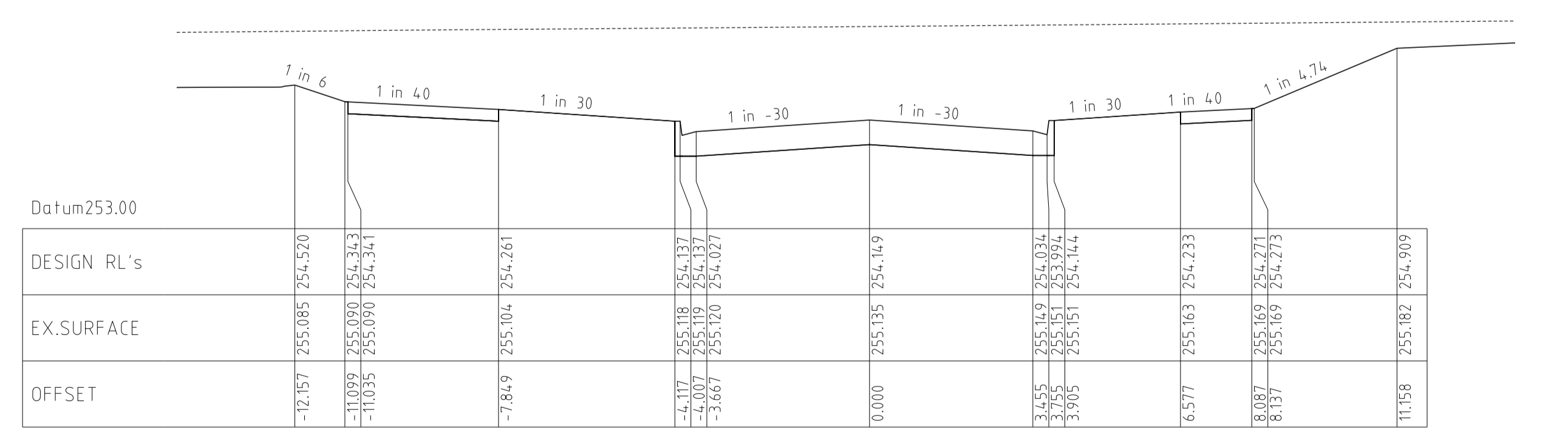
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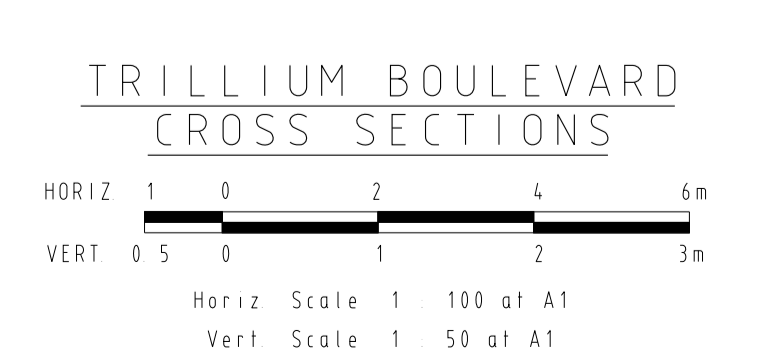
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Chainage 180.10



Chainage 161.85



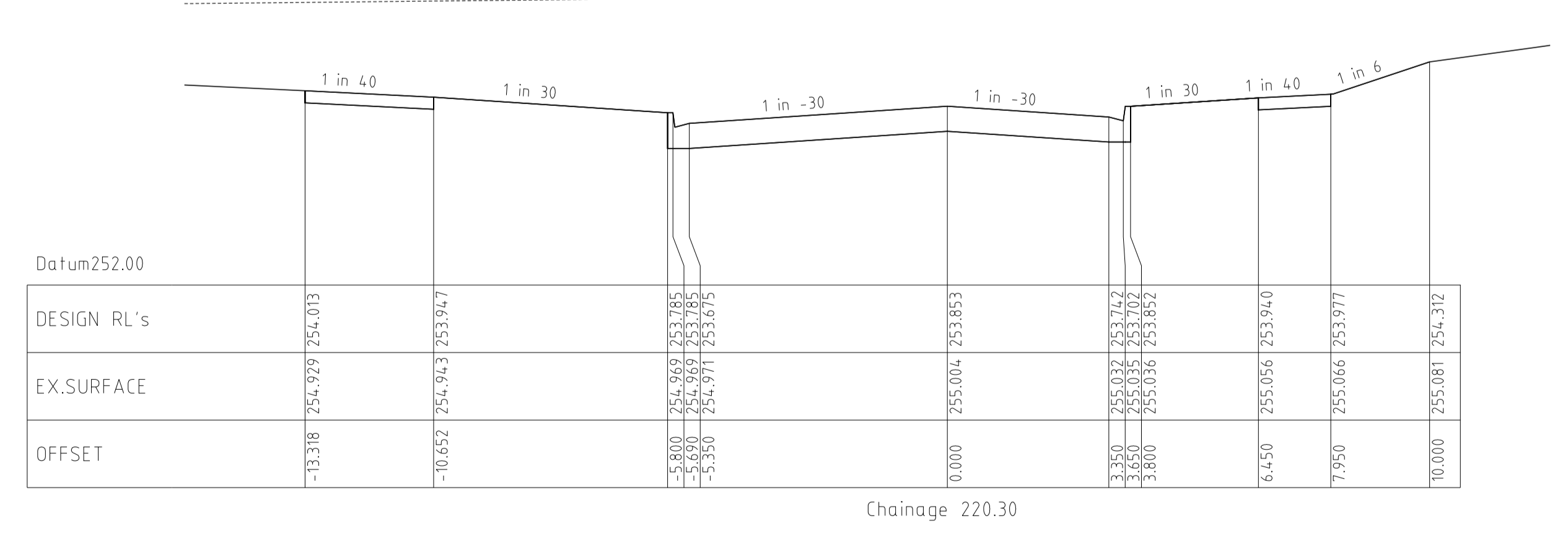
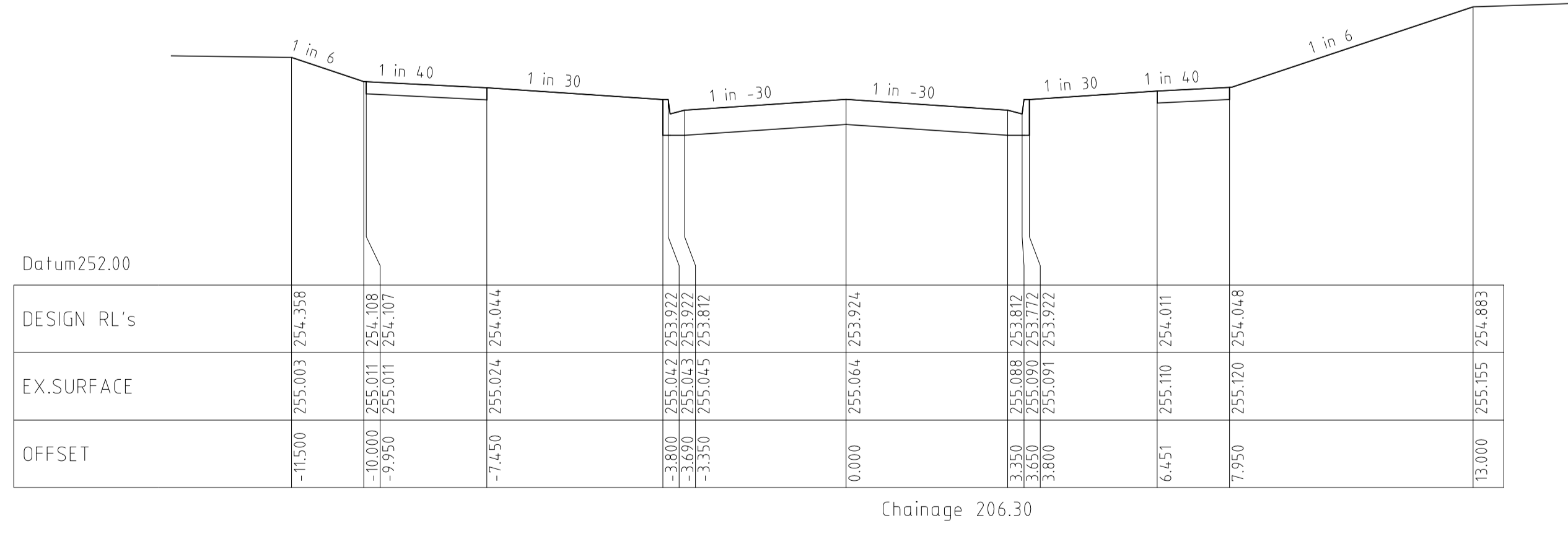
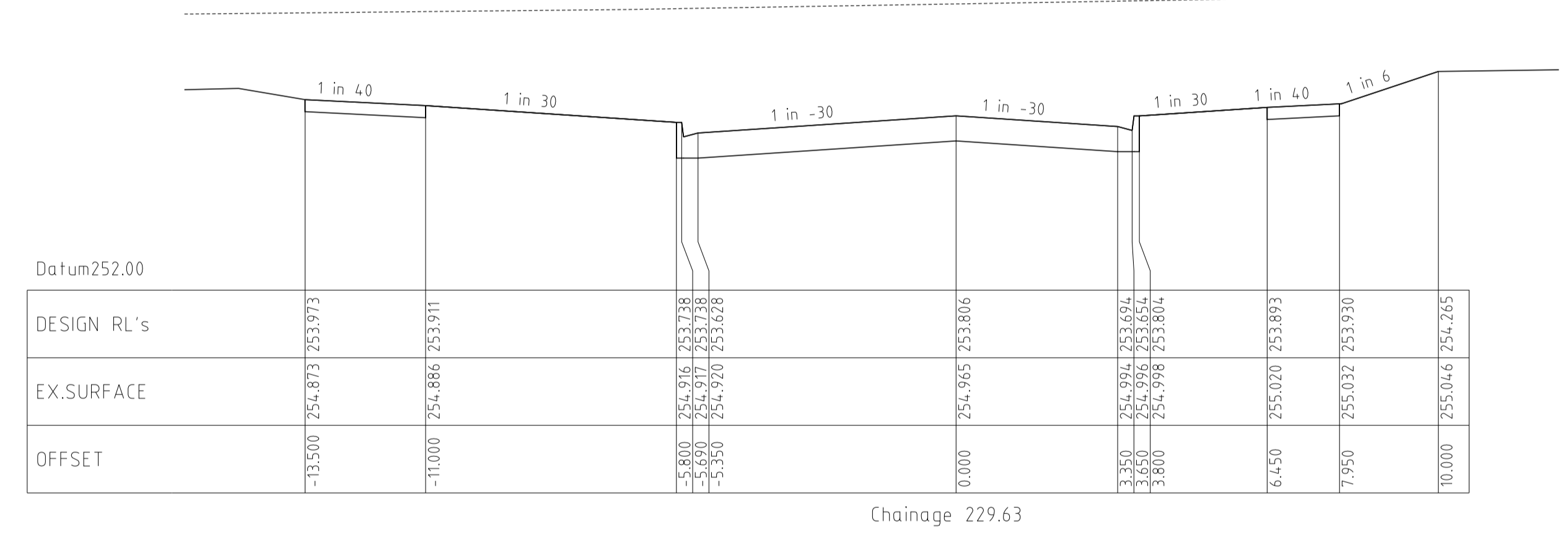
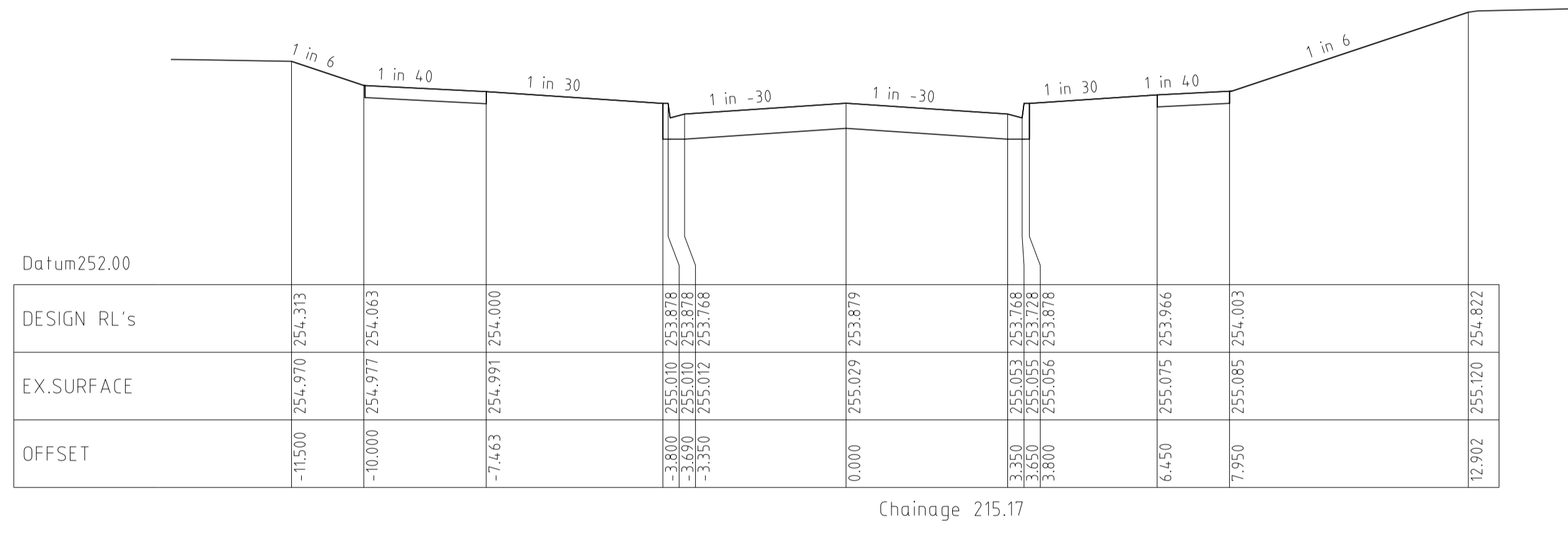
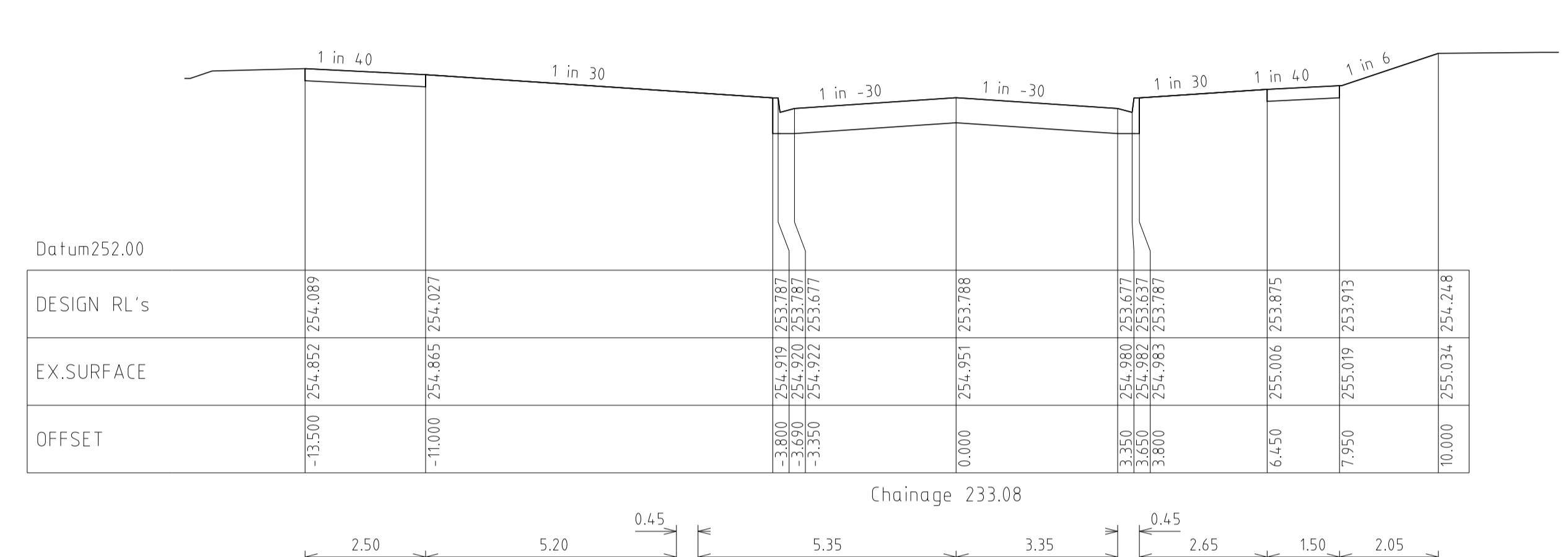
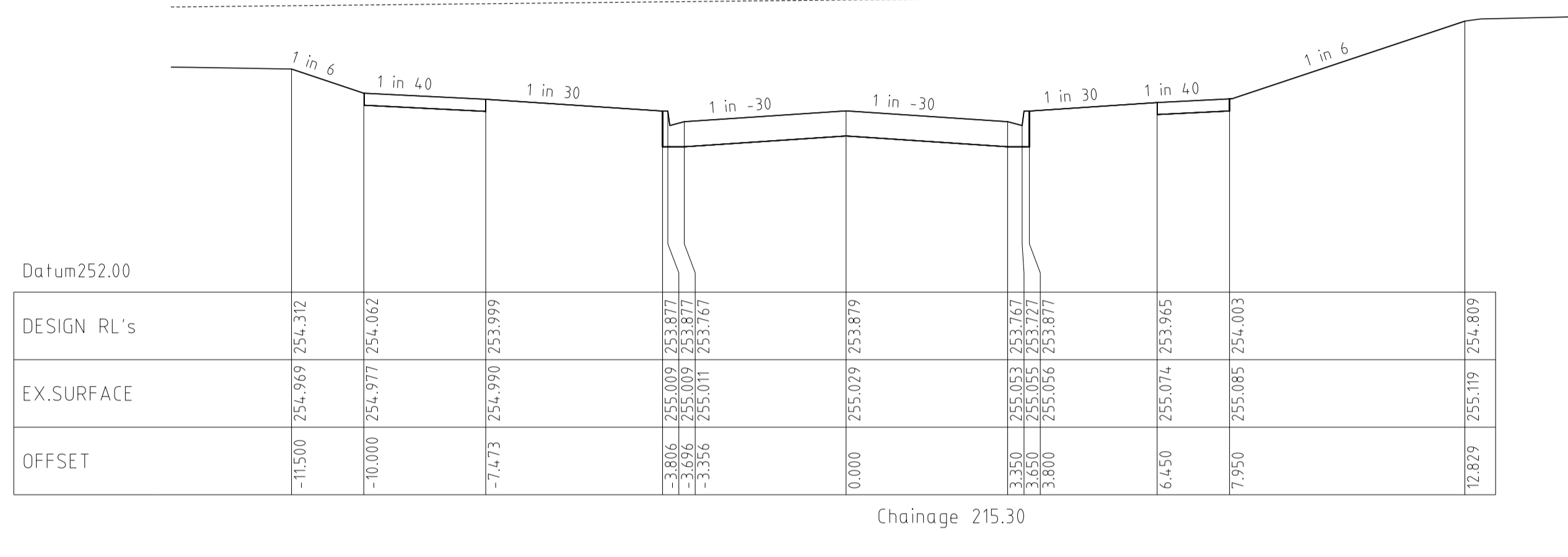
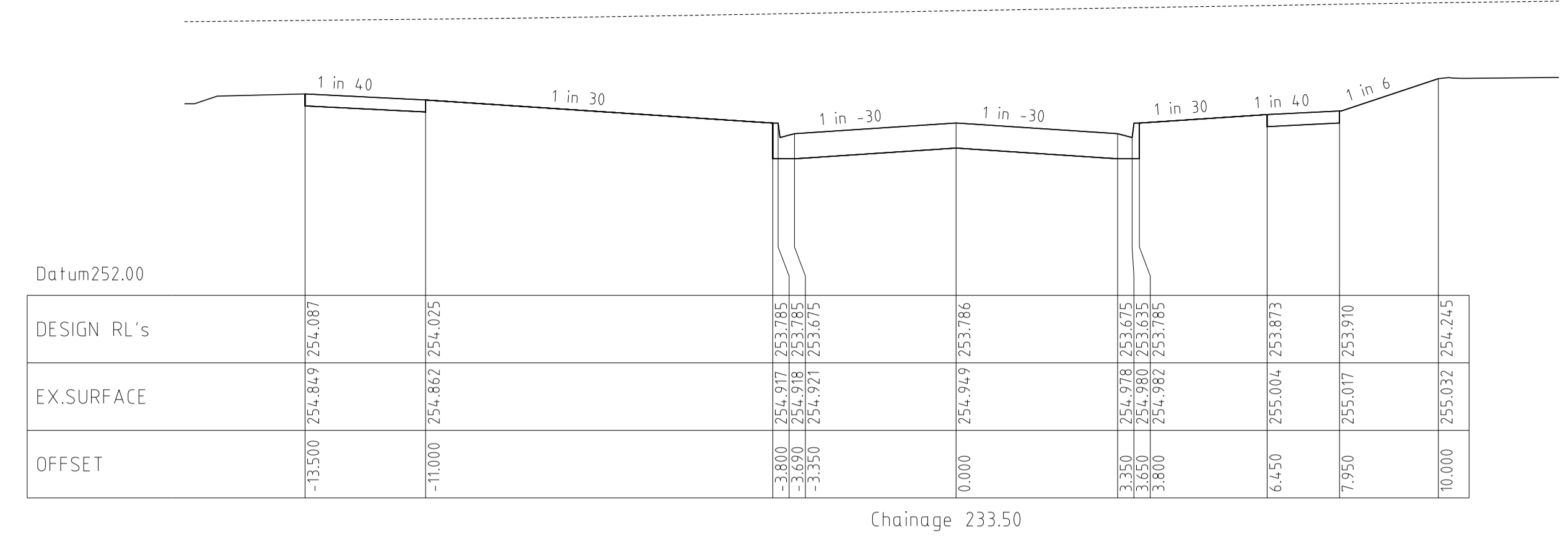
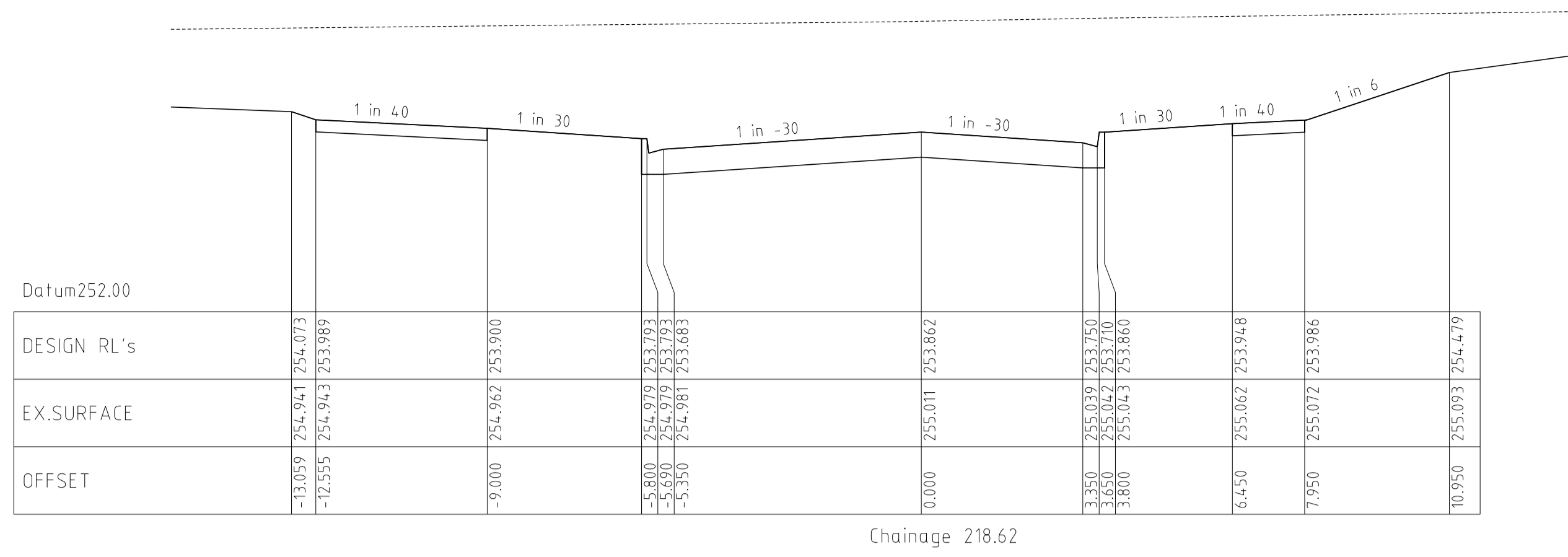
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29/11/12	J	RESIDENTS CLUB AMENDMENTS	ASC	DESIGNED: Z.W.L DATE: FEB 2012
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WATSONS
401-411 500 410

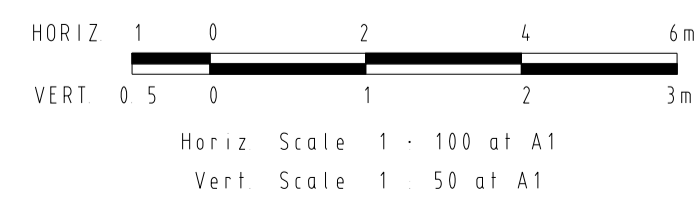
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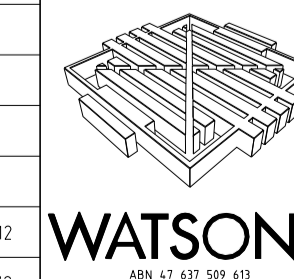
HUME CITY COUNCIL		VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 1 MICKLEHAM ROAD AND DRAINAGE PLANS	PLAN NUMBER
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TRILLIUM BOULEVARD CROSS SECTIONS		REVISION	N
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TRILLIUM BOULEVARD
CROSS SECTIONS



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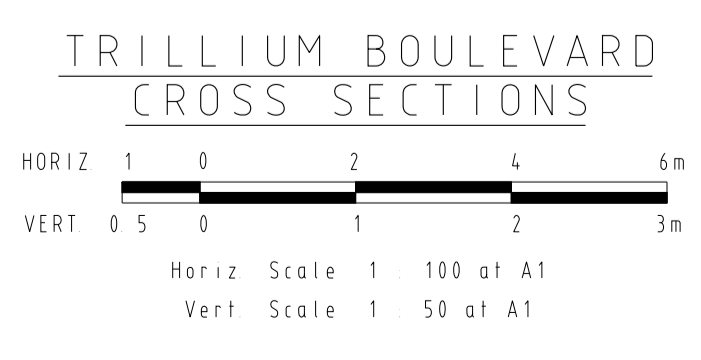
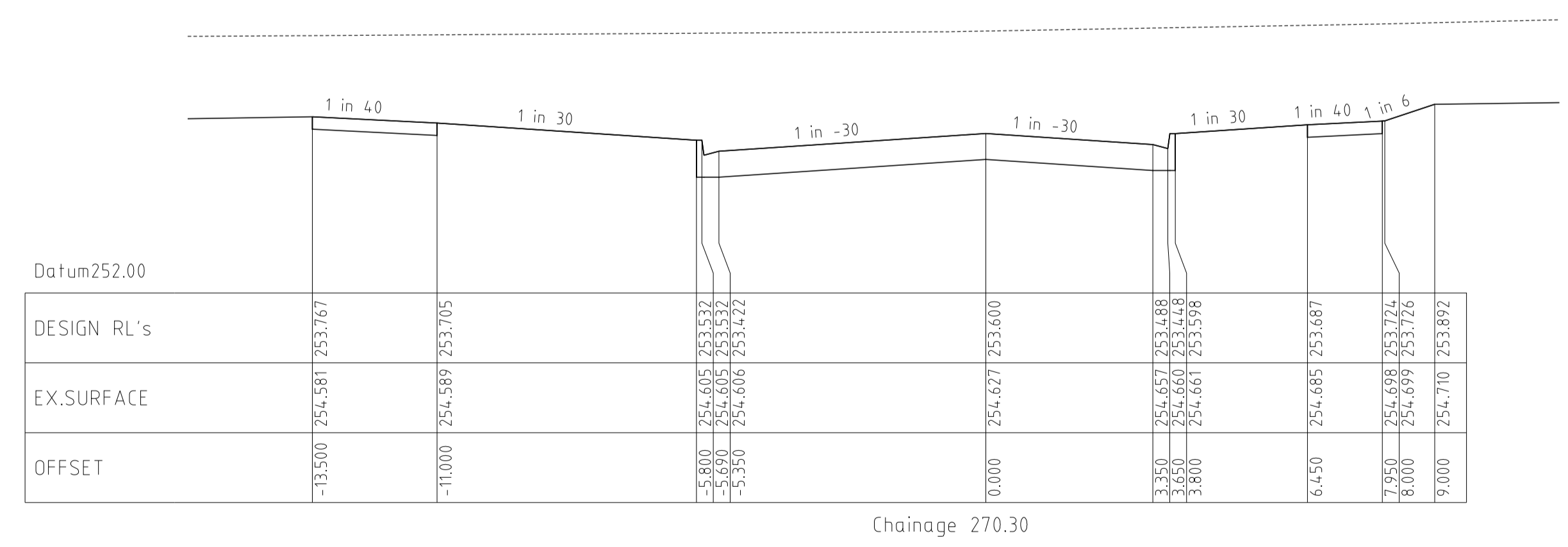
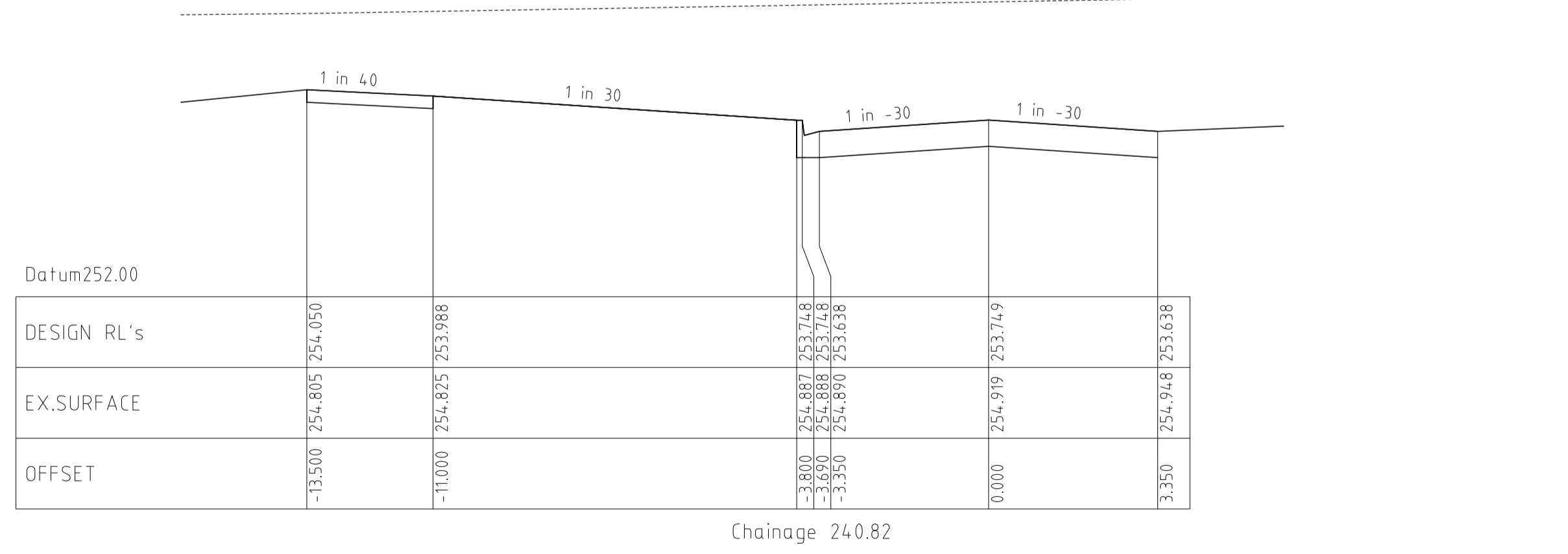
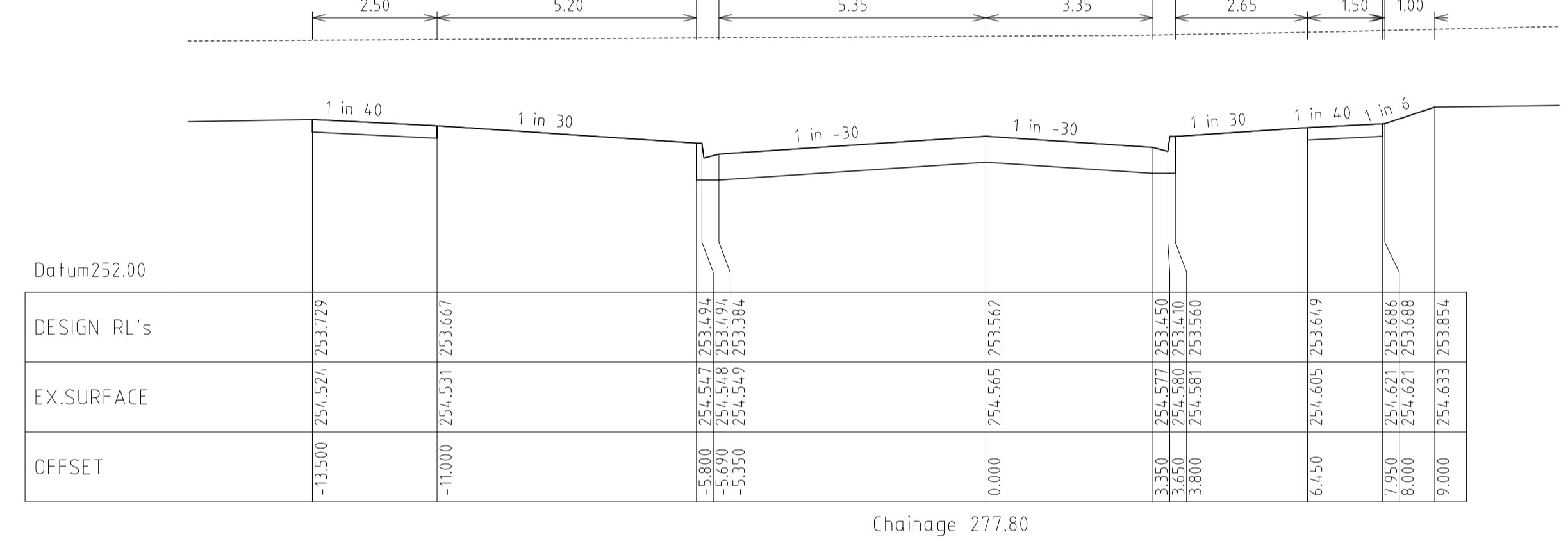
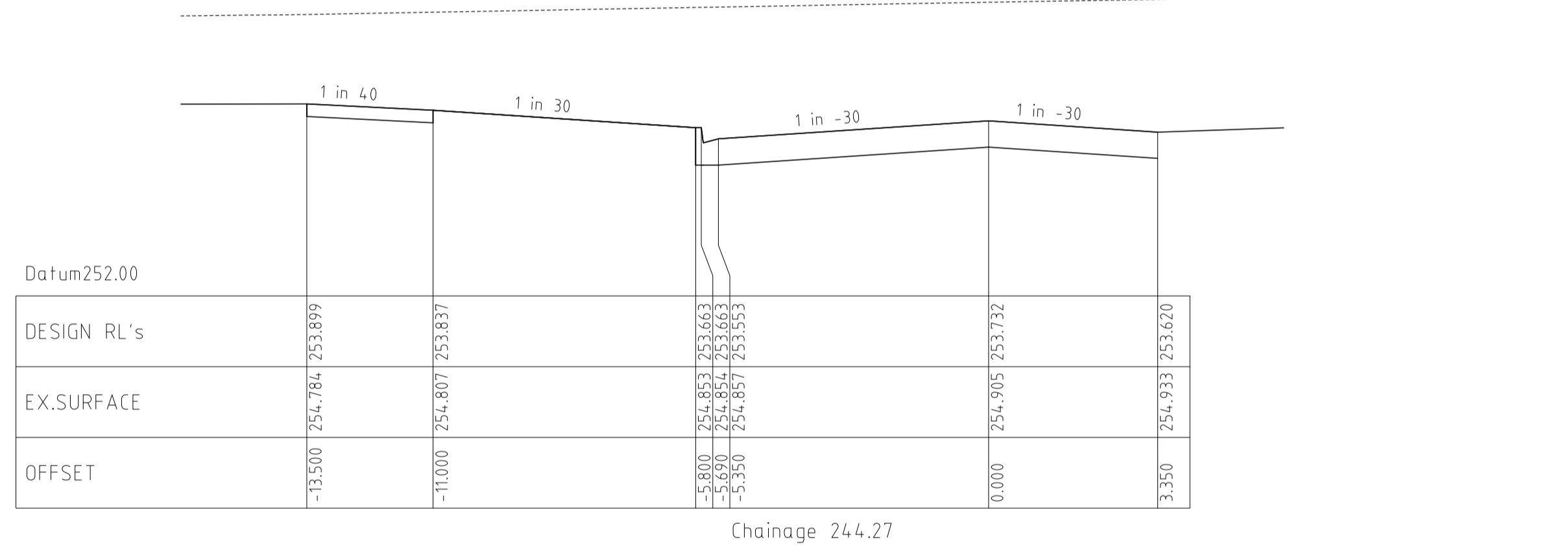
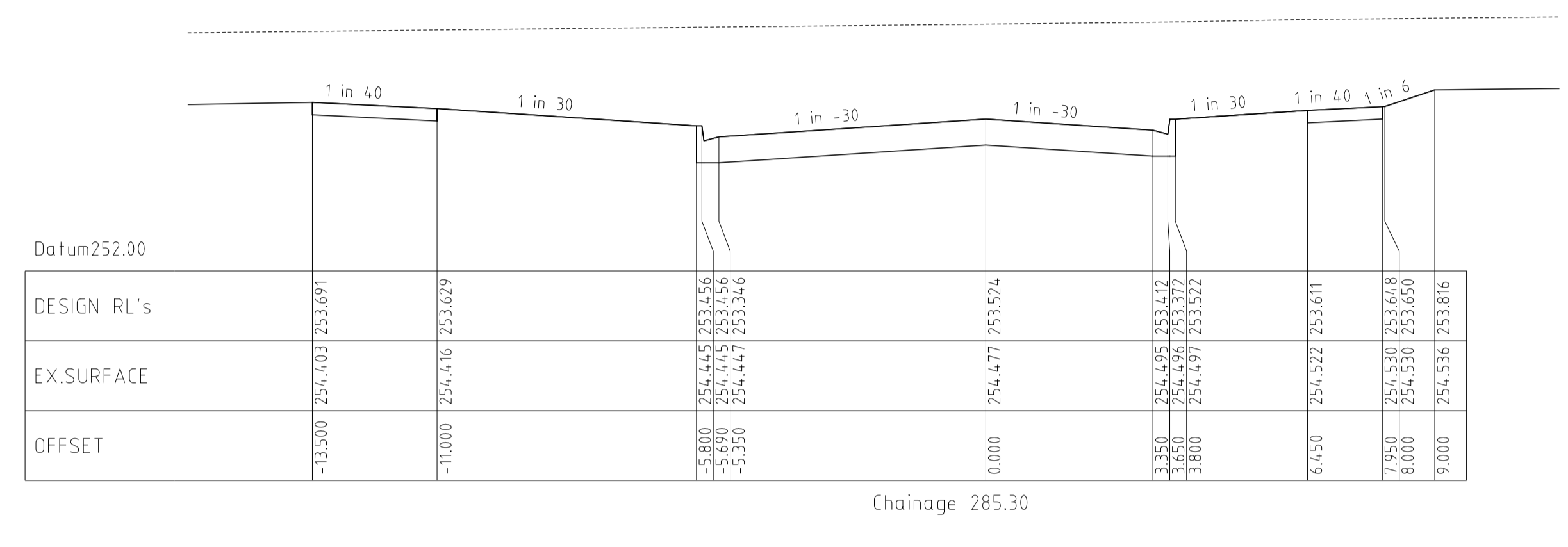
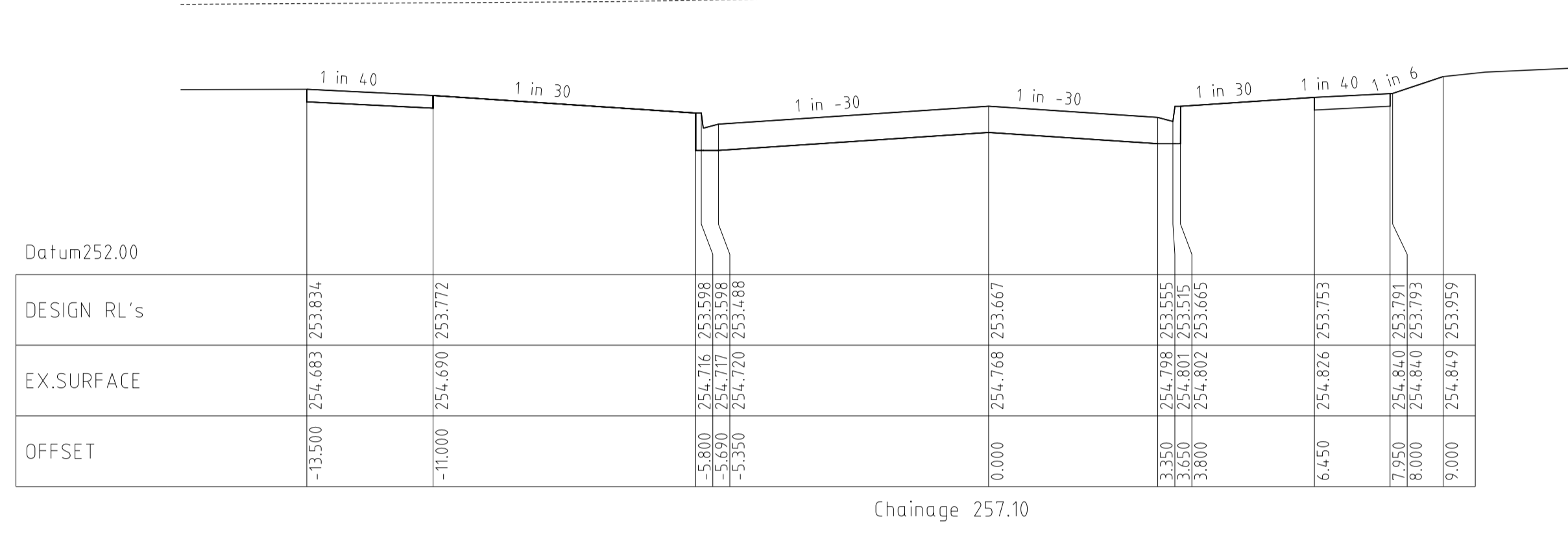
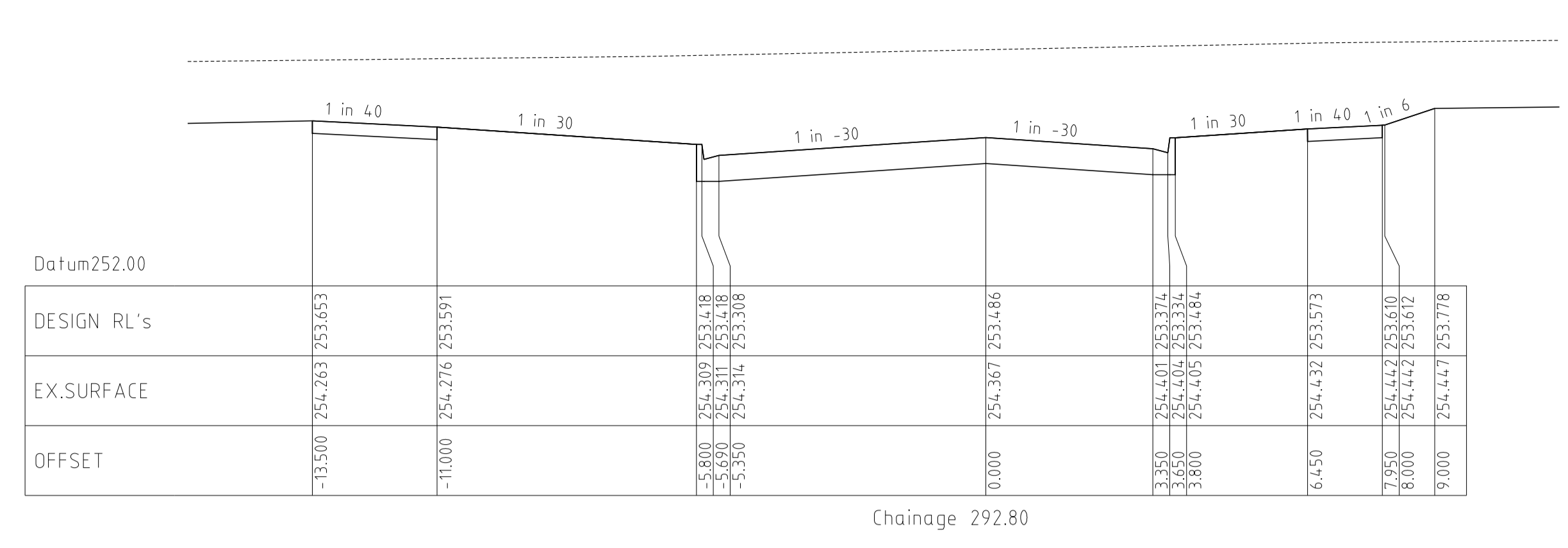
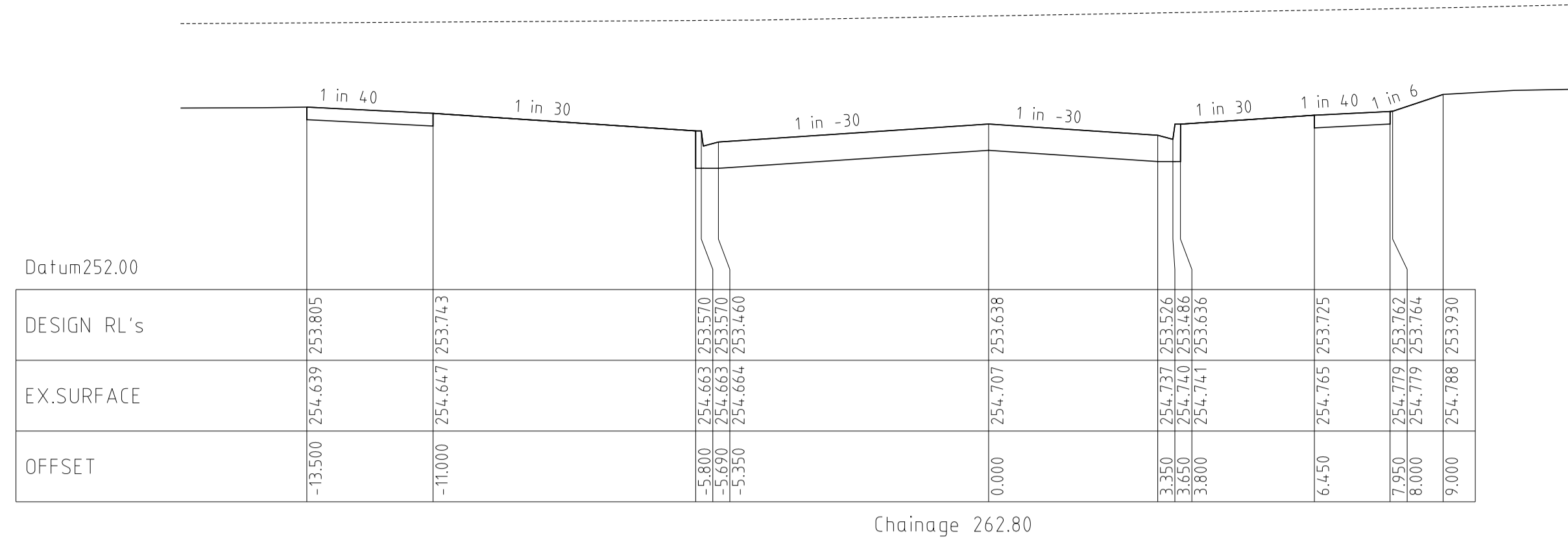
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TRILLIUM STAGE 1
MICKLEHAM
ROAD AND DRAINAGE PLANS

PLAN NUMBER
36182/1
R14
REVISION
N
SHEET 14 OF 29

TRILLIUM BOULEVARD
CROSS SECTIONS



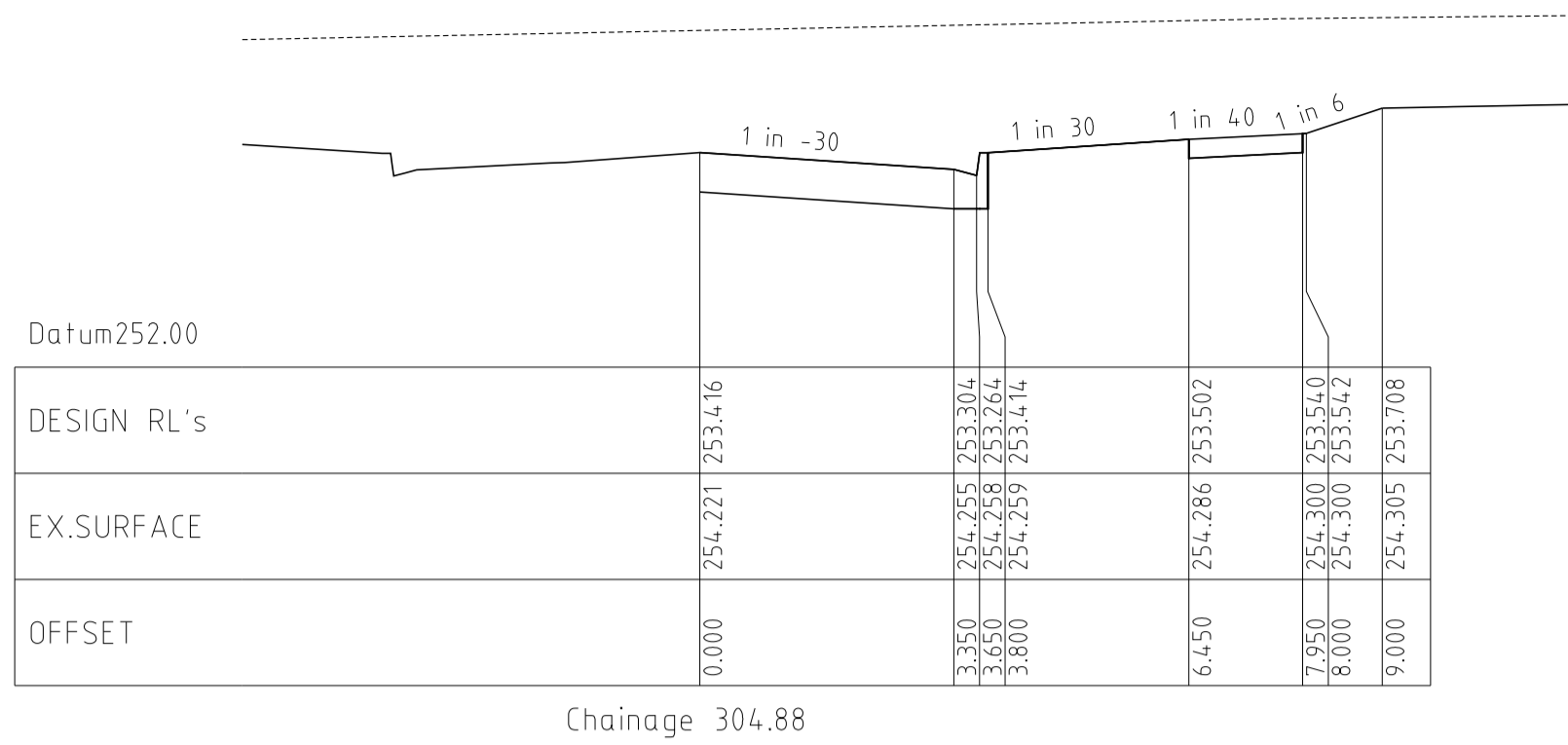
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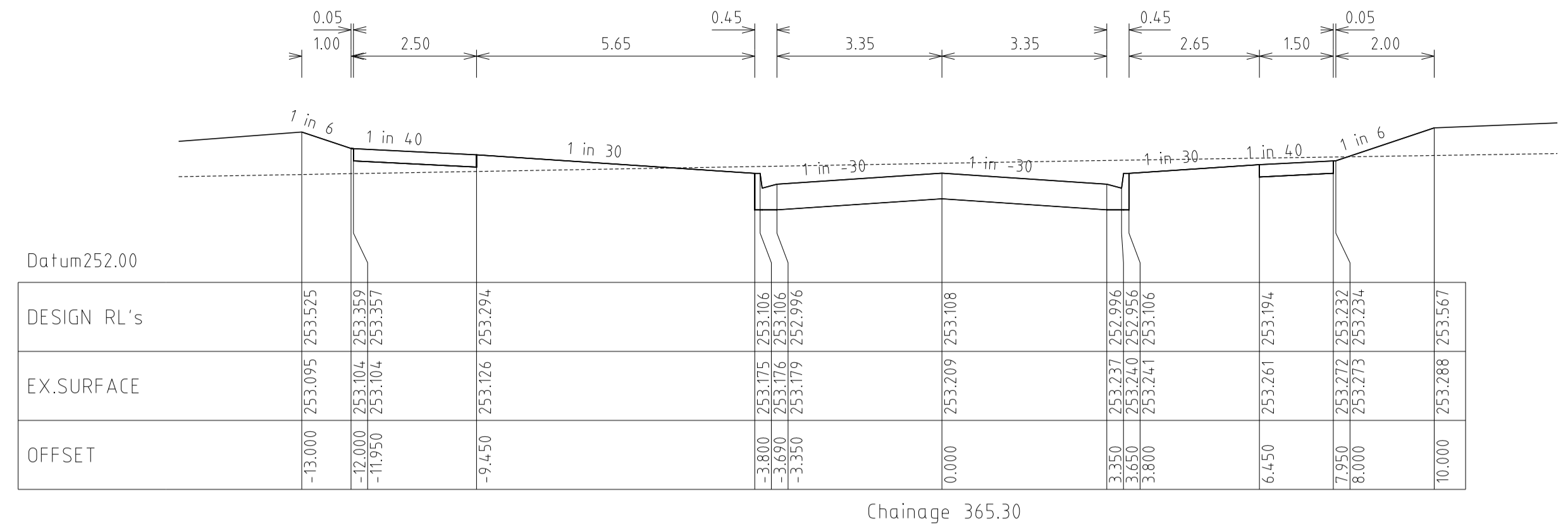
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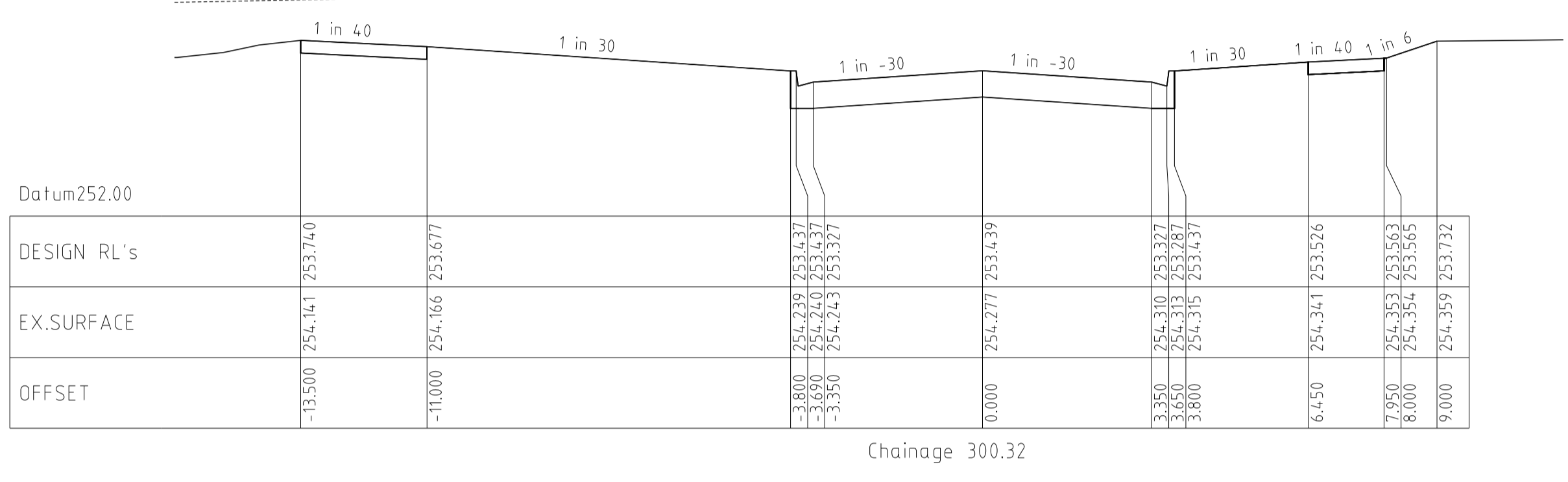
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TRILLIUM BOULEVARD CROSS SECTIONS		REVISION N
		SHEET 15 OF 29



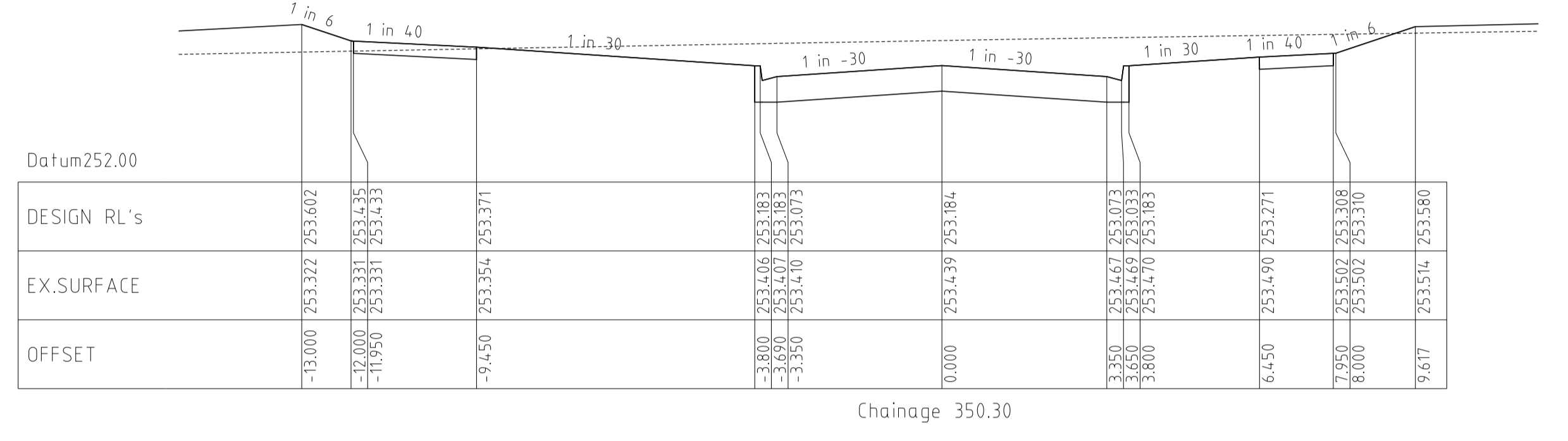
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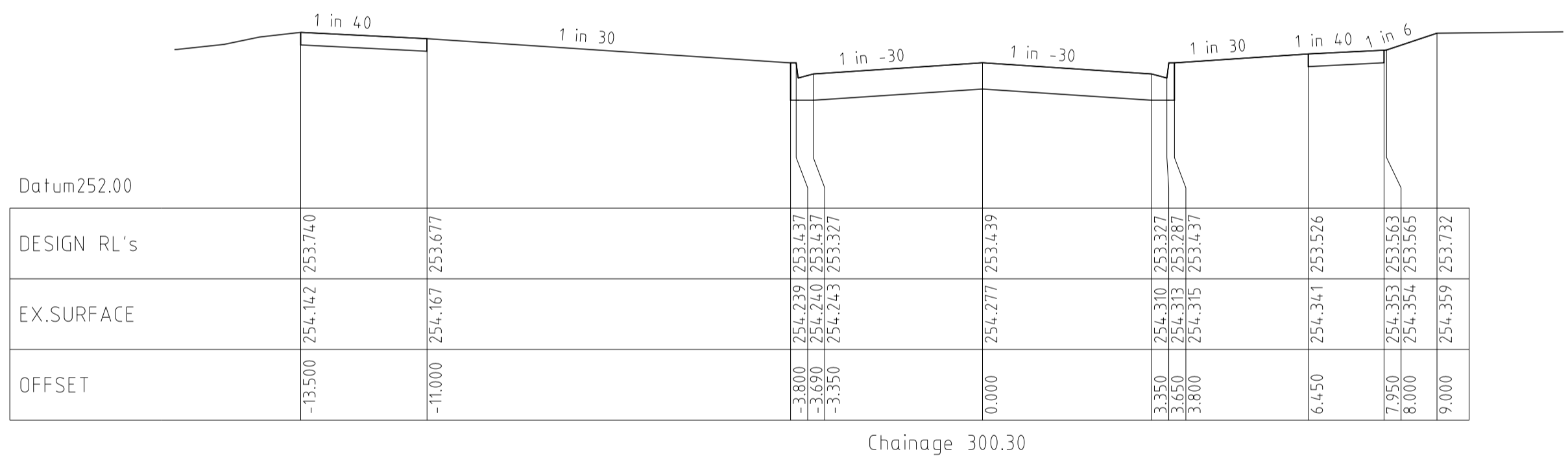
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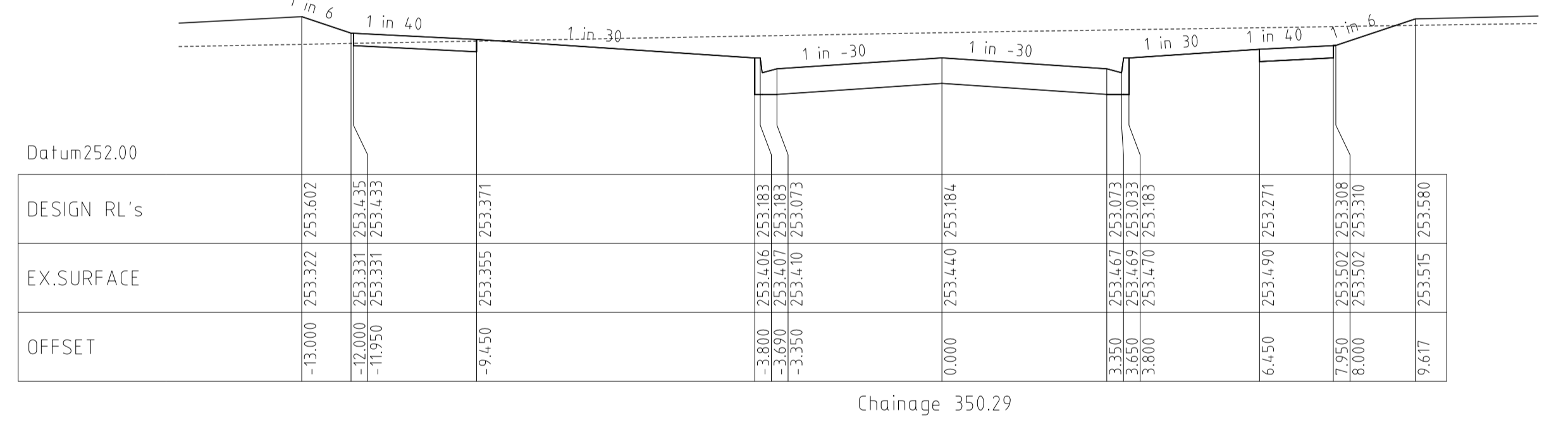
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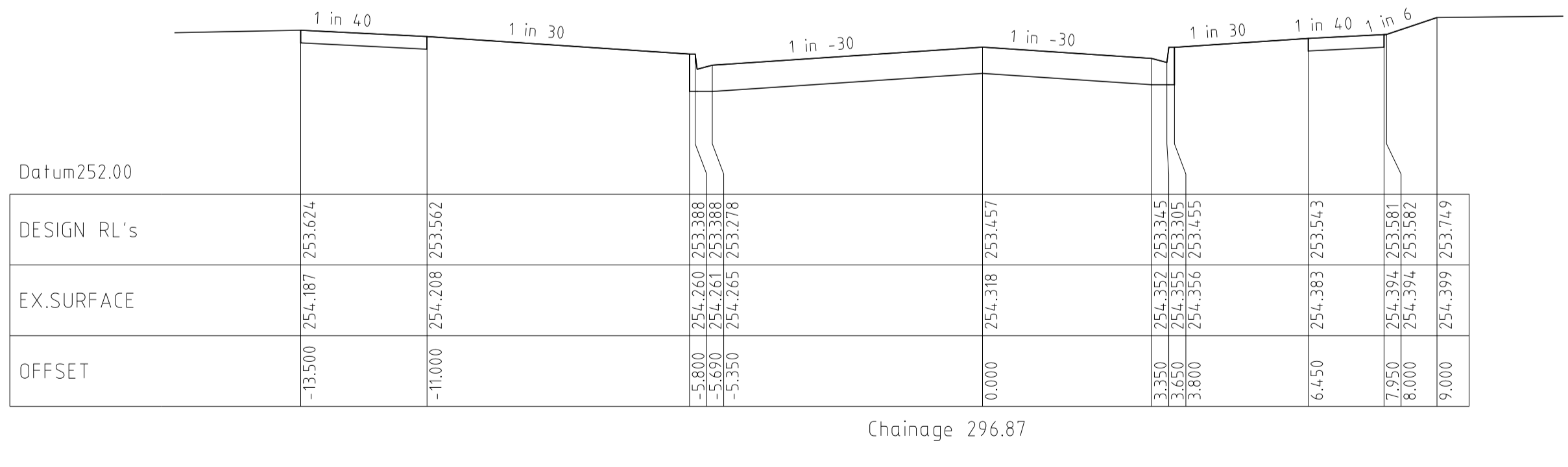
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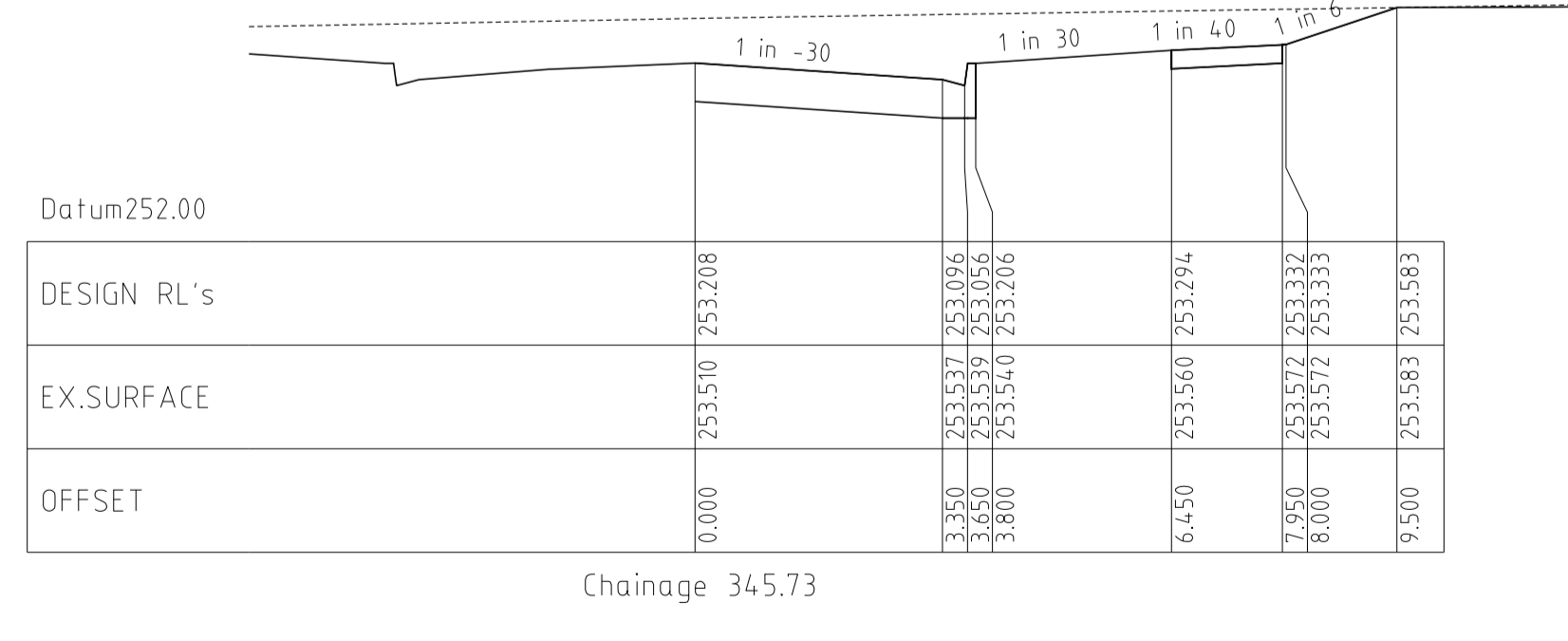
Chainage 300.30



Chainage 350.29

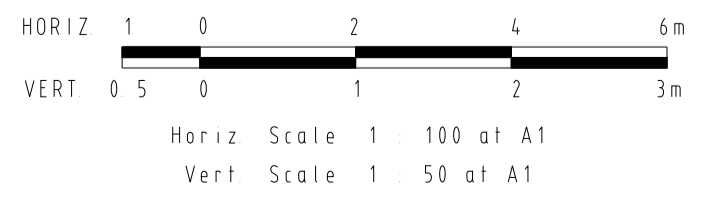


Chainage 296.87



Chainage 345.73

TRILLIUM BOULEVARD
CROSS SECTIONS



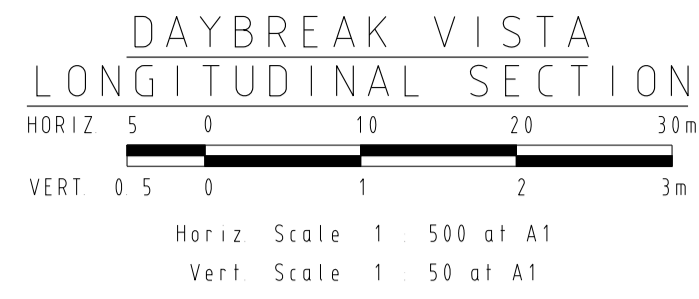
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12/12/12	L	LINEMARKING AMENDMENTS	PROJECT No.:	36182_1
30/11/12	K	PAVEMENT MAKEUP AMENDMENTS	DRAWN:	C.M.H DATE: FEB 2012
29/11/12	J	RESIDENTS CLUB AMENDMENTS	DESIGNED:	Z.W.L DATE: FEB 2012
FILENAME k \36182\36182 1\ dgn\ r16 .dgn			AUTHORISED:	A.S.C DATE: FEB 2012



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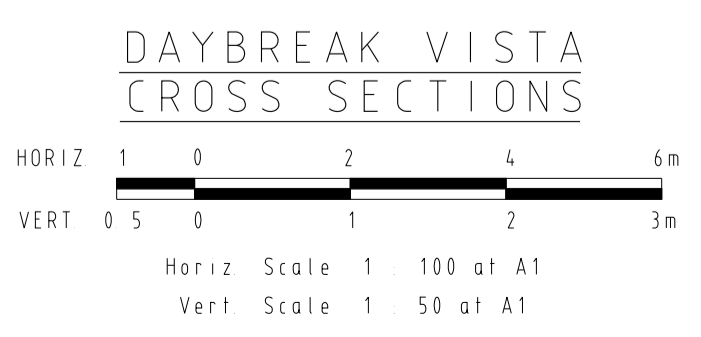
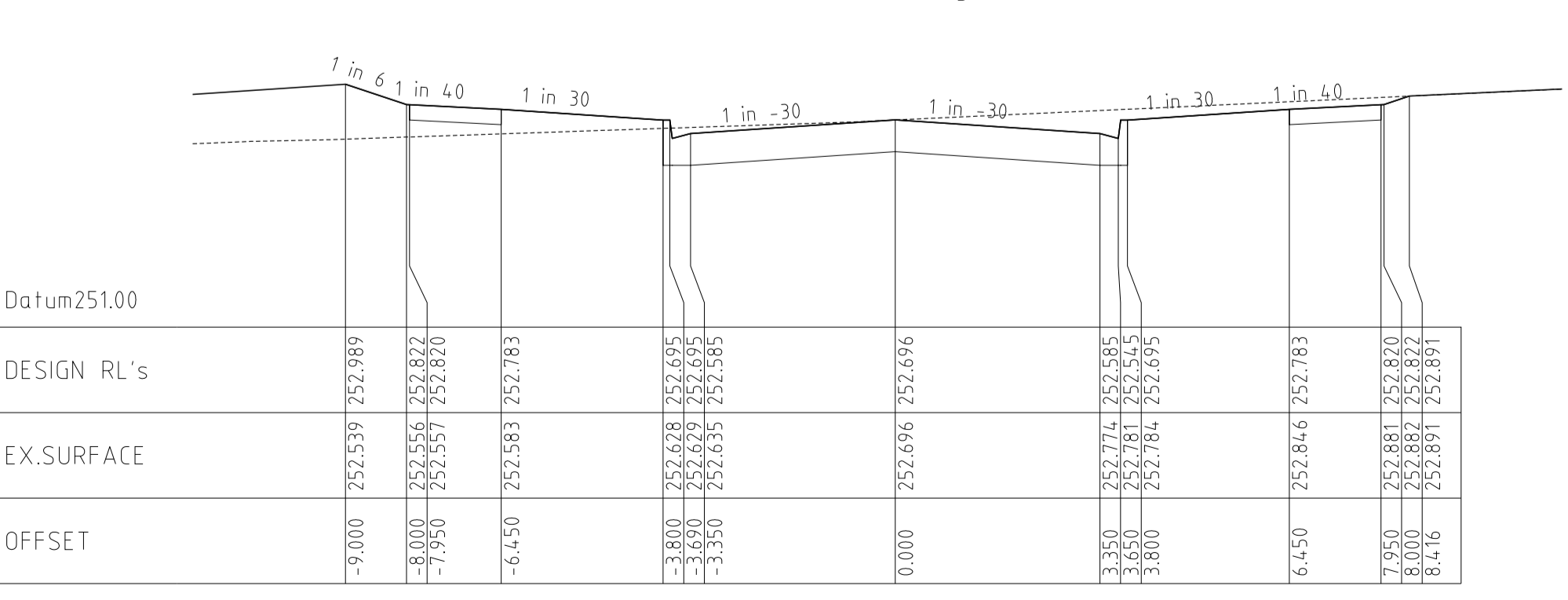
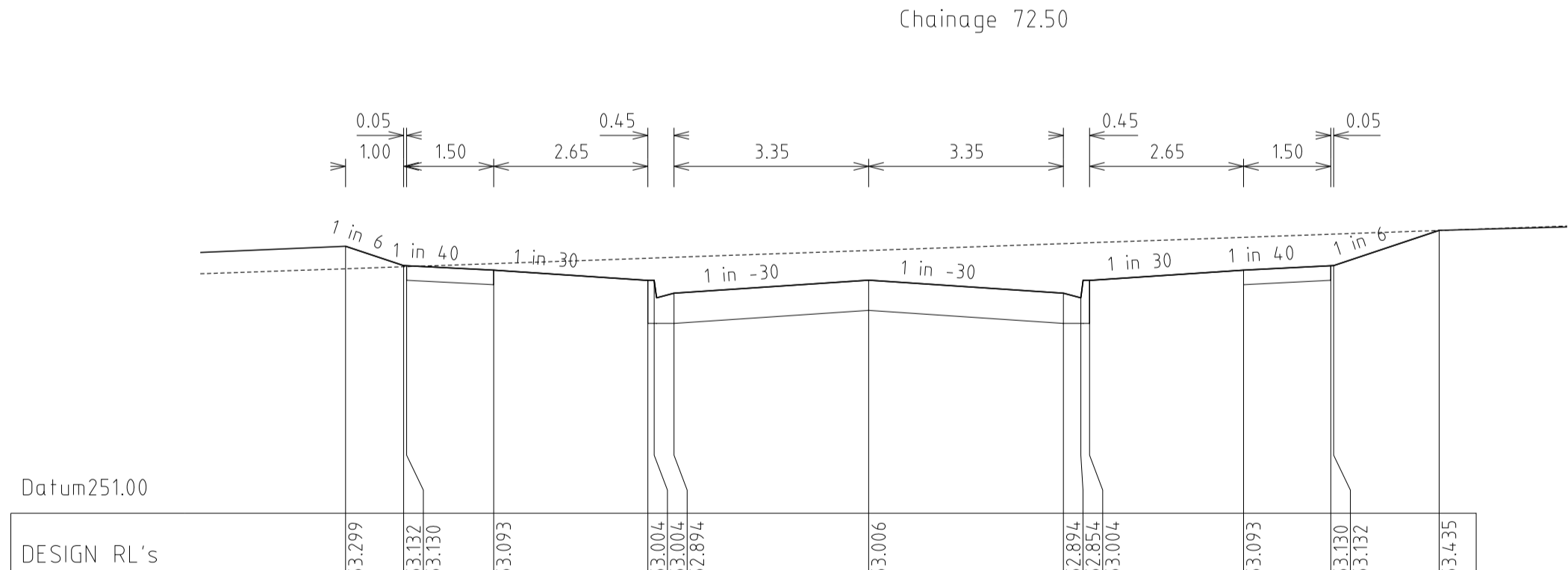
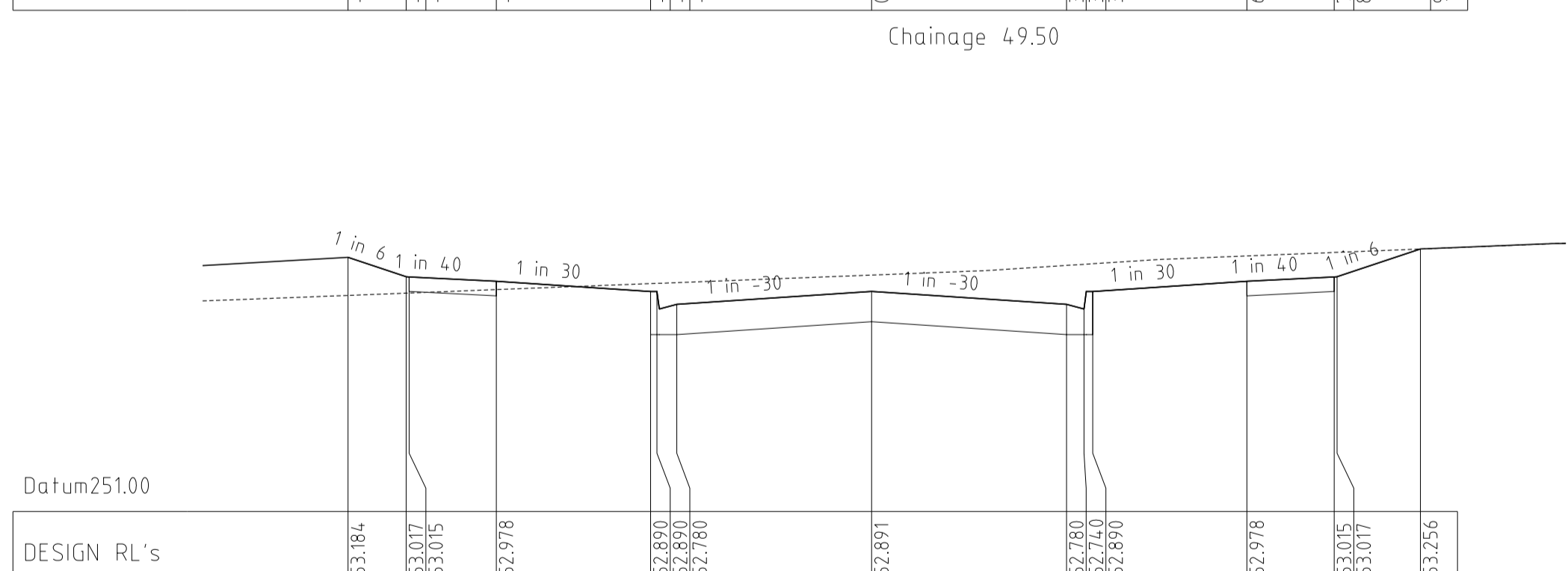
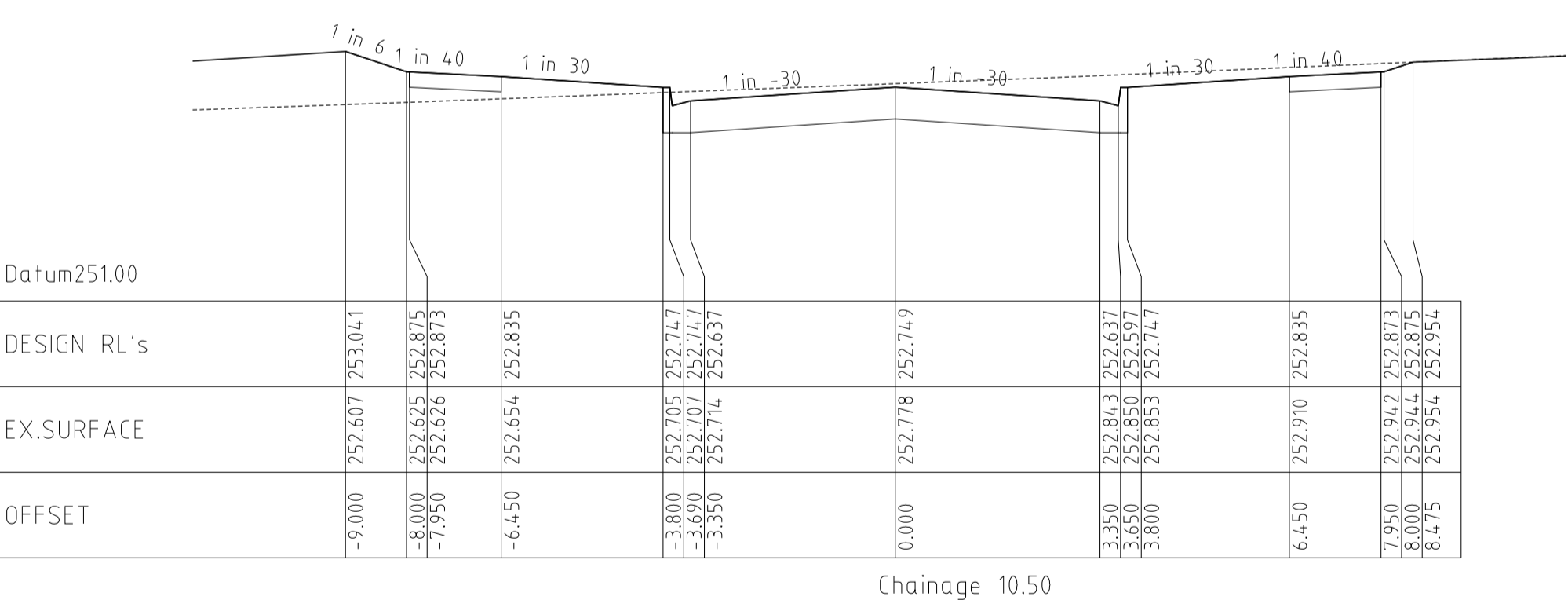
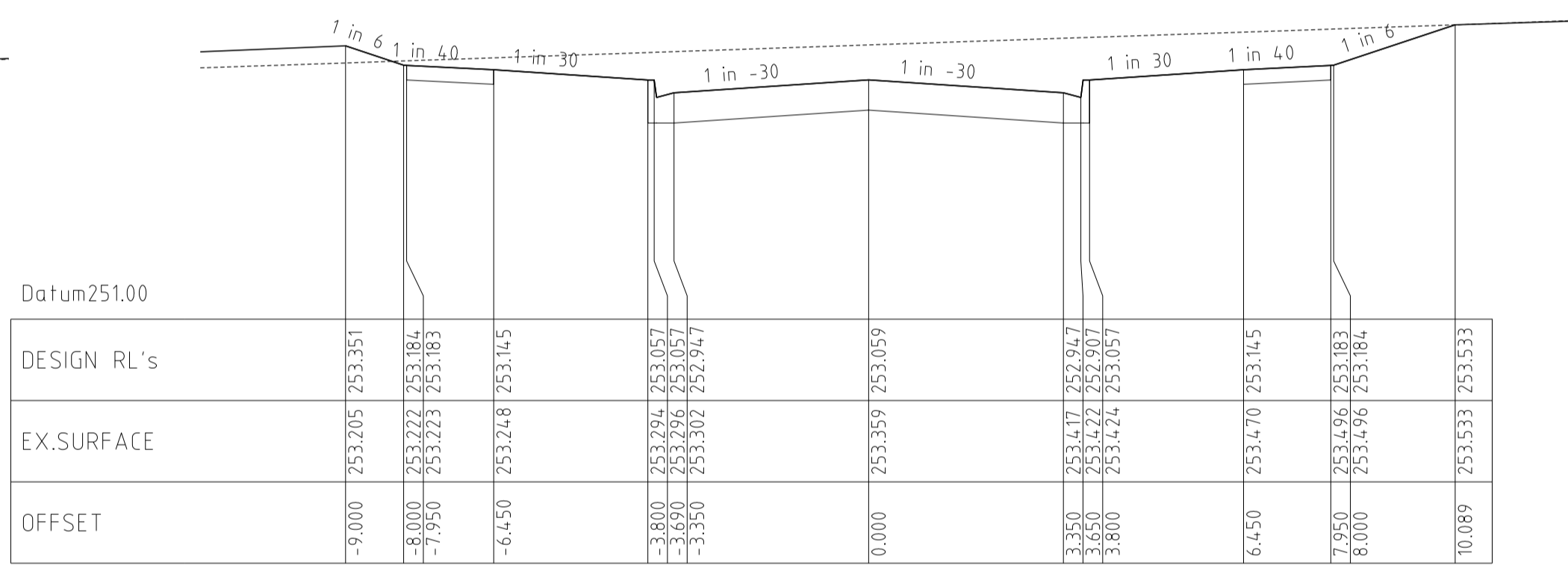
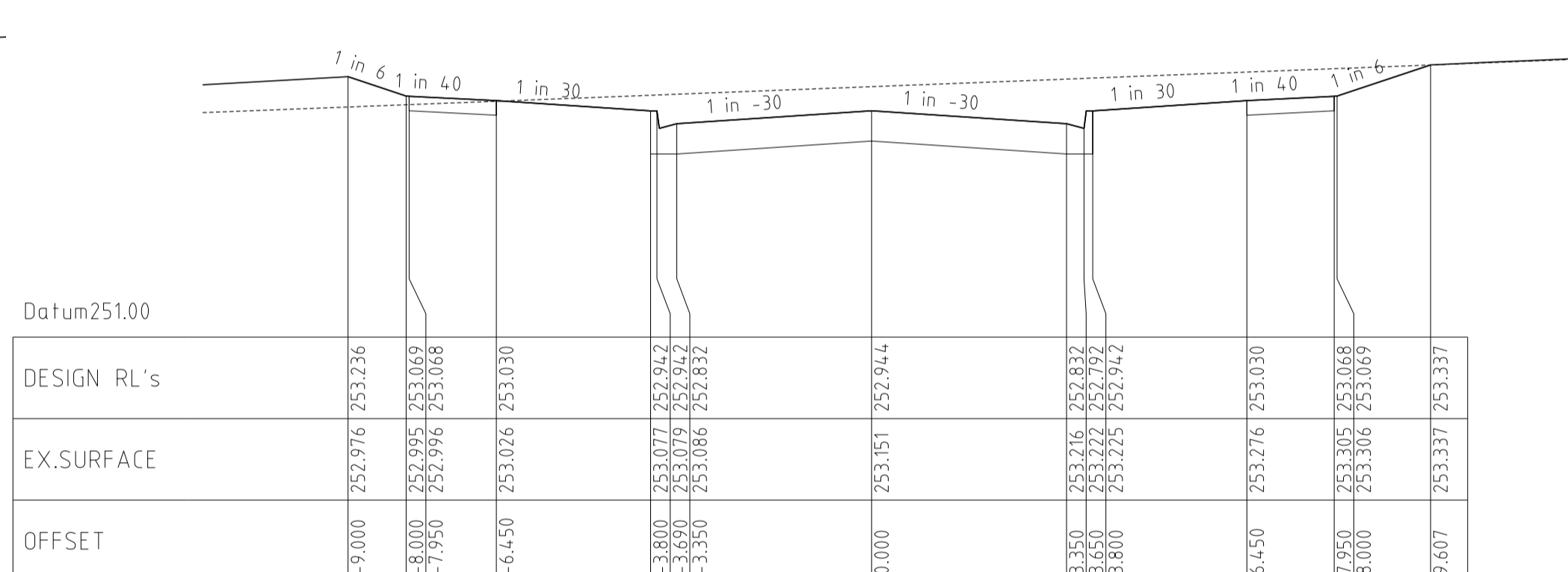
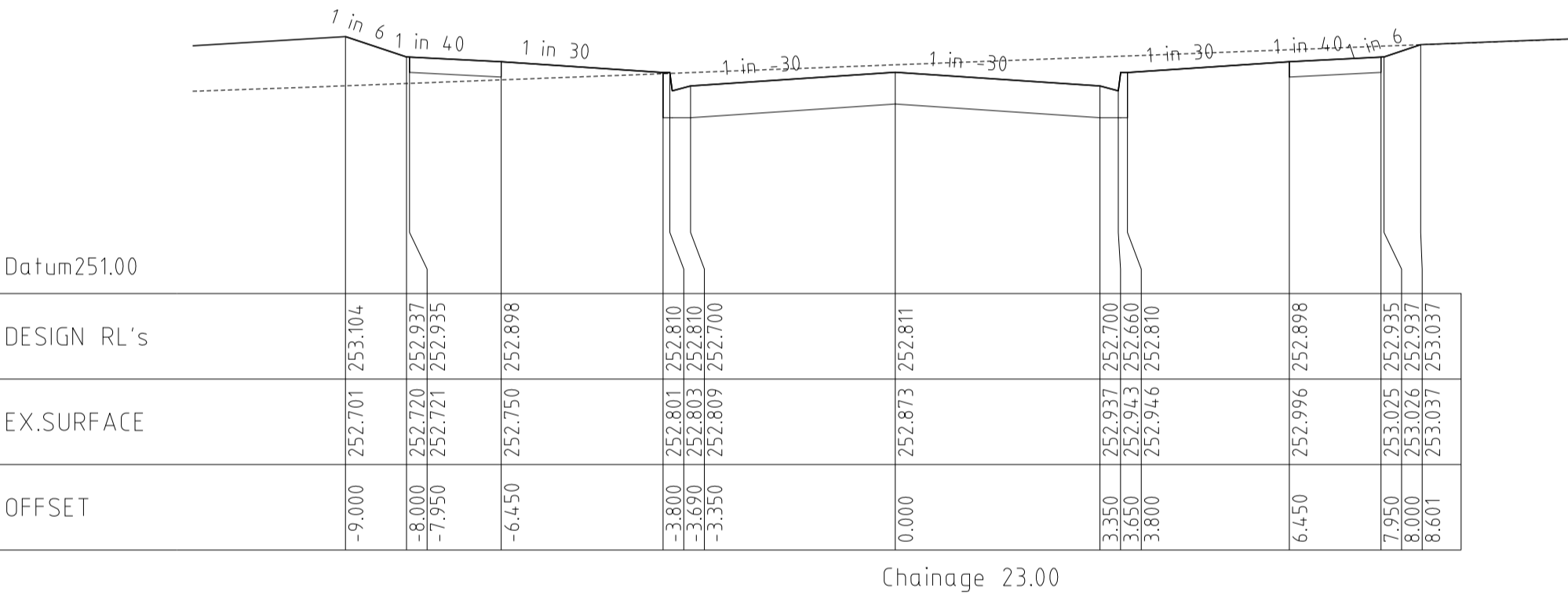
HUME CITY COUNCIL		PLAN NUMBER
VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 1 MICKLEHAM ROAD AND DRAINAGE PLANS		36182/1 R 16
TRILLIUM BOULEVARD CROSS SECTIONS		REVISION N
		SHEET 16 OF 29



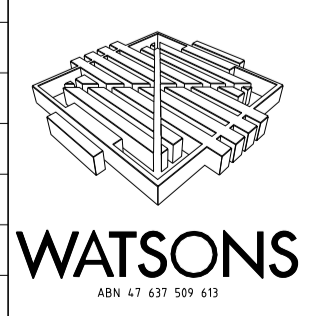
Horizontal Geometry
Vertical Grade
VC length

Datum RL248

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DESIGN CENTRELINE	252.696	252.749	252.796	252.811	253.03	253.04	253.944	252.996	253.006	253.059	253.096	253.111	253.181	253.196	253.217	253.296	253.321	253.433	253.462	253.500	253.582	253.611	253.641	253.671	253.730	253.879	254.078	254.177	254.326	254.475	254.624	254.772	254.921	254.996
EXISTING SURFACE	252.70	252.78	252.85	252.87	253.03	253.04	253.15	252.996	253.006	253.36	253.43	253.46	253.60	253.63	253.66	253.83	253.88	254.02	254.05	254.07	254.14	254.24	254.39	254.53	254.43	254.45	254.58	254.71	254.80	254.87	254.96	255.08	255.17	255.20



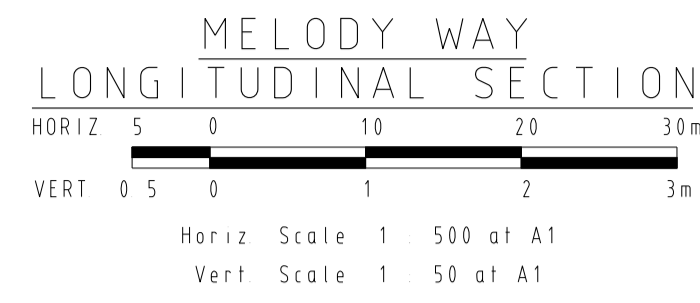
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DATE	DETAILS	AUTHORISED	DATE PRINTED:	19/02/2013
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16/01/13	M	LINEMARKING AMENDMENTS	ASC	DATUM: AHD
12/12/12	L	LINEMARKING AMENDMENTS	ASC	PROJECT No.: 36182_1
30/11/12	K	PAVEMENT MAKEUP AMENDMENTS	ASC	DRAWN: CMH DATE: FEB 2012
29/11/12	J	RESIDENTS CLUB AMENDMENTS	ASC	DESIGNED: Z.W.L DATE: FEB 2012
FILENAME K:\36182\36182_1\dgn\r17.dgn			AUTHORISED:	A.S.C DATE: FEB 2012



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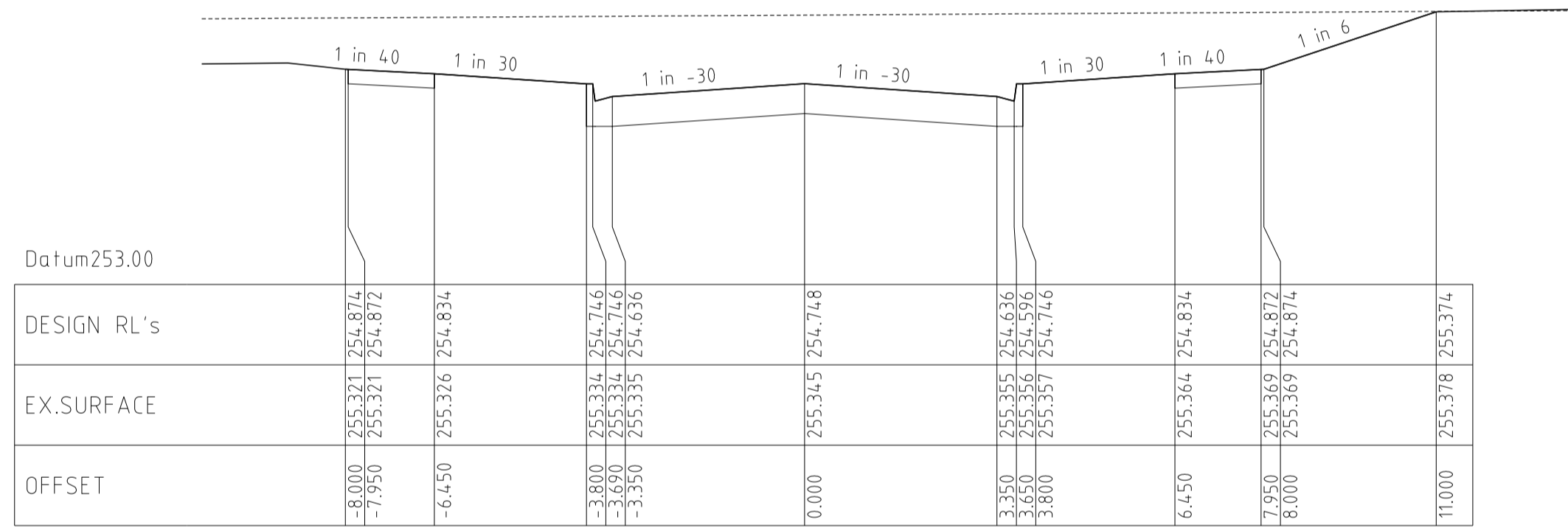
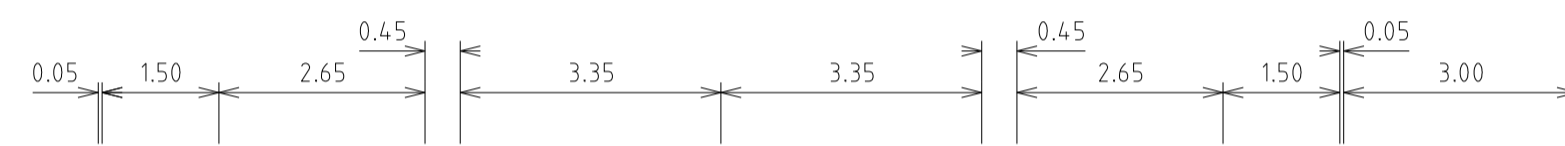
HUME CITY COUNCIL		PLAN NUMBER
VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 1 MICKLEHAM ROAD AND DRAINAGE PLANS		36182/1 R17
DAYBREAK VISTA LONGITUDINAL & CROSS SECTIONS		REVISION N
		SHEET 17 OF 29



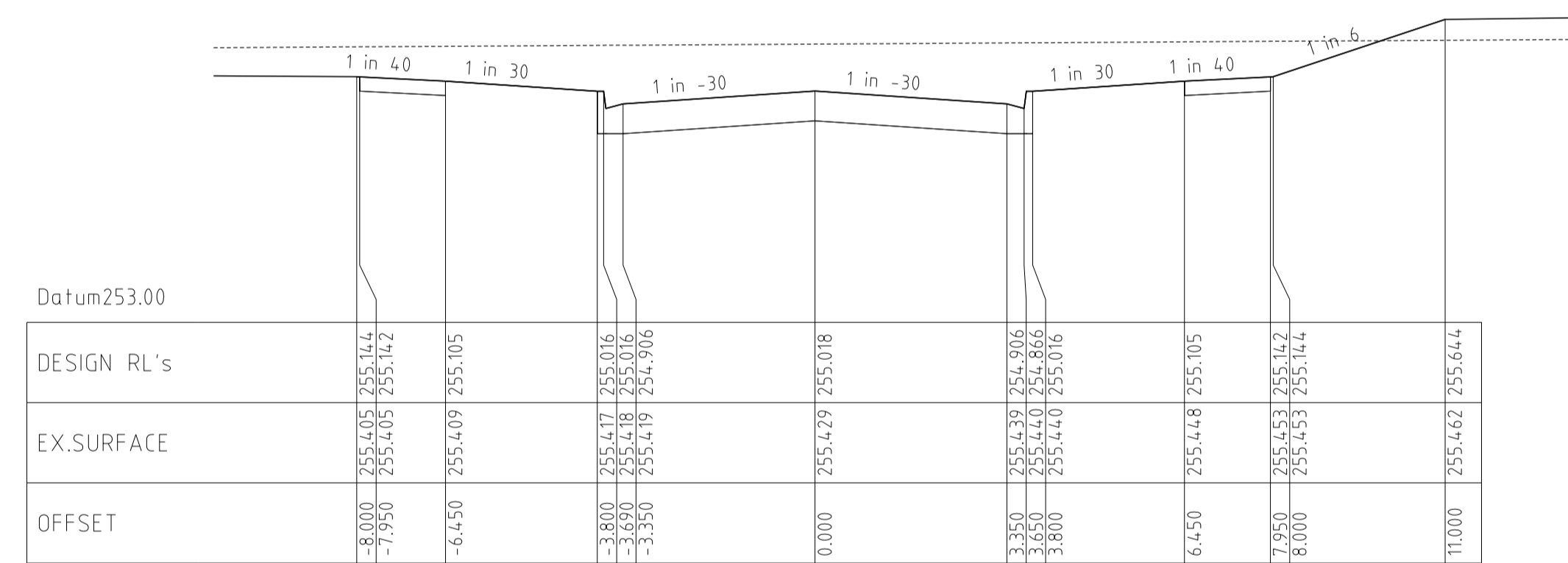
Horizontal Geometry
Vertical Grade
VC length

Datum R.L.250

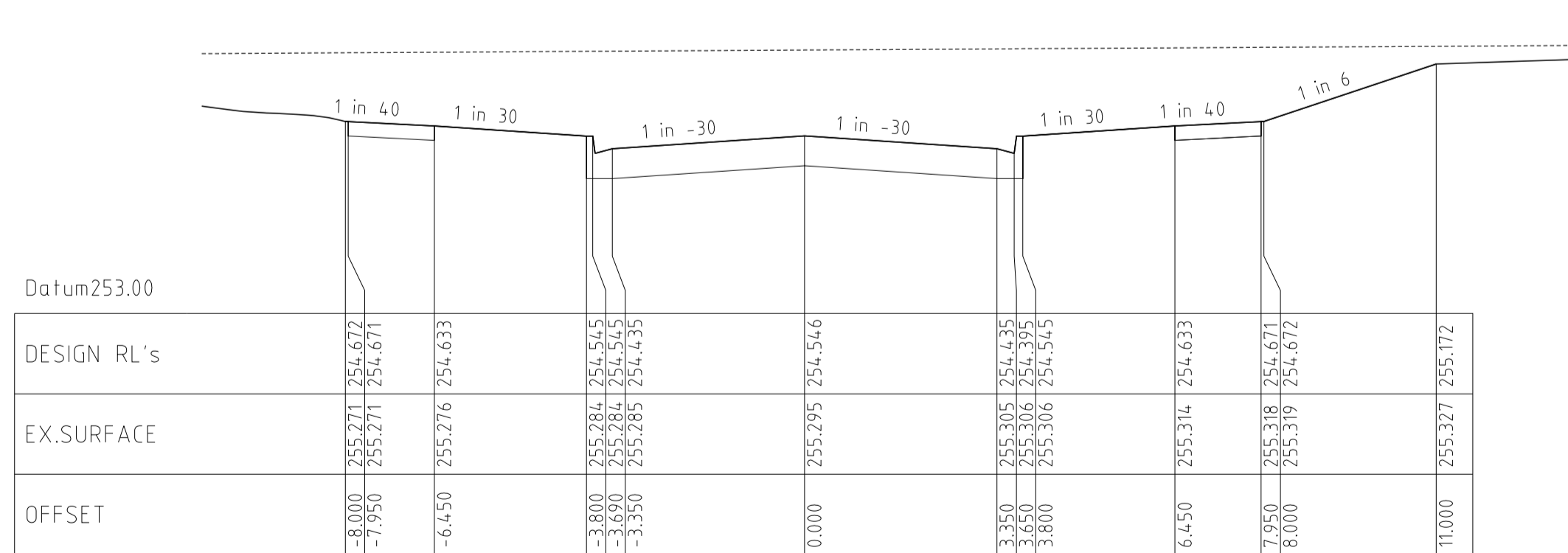
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8.67	254.350	255.24
14.89	254.521	255.29
15.89	254.546	255.29
20.00	254.649	255.32
24.28	254.748	255.35
31.28	254.893	255.39
35.00	254.962	255.41
38.28	255.018	255.43
40.00	255.046	255.44
60.00	255.276	255.62
65.00	255.307	255.58
80.00	255.385	255.62
100.00	255.490	255.72
120.00	255.595	255.86
140.00	255.699	255.96



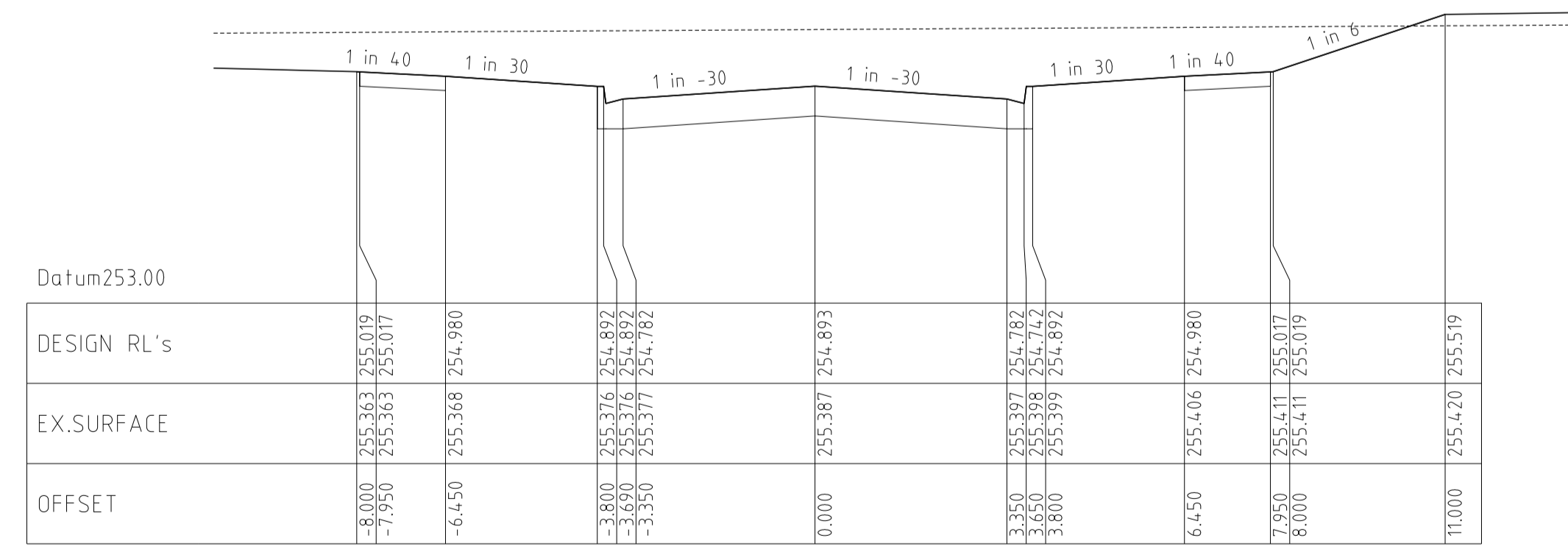
Chainage 24.28



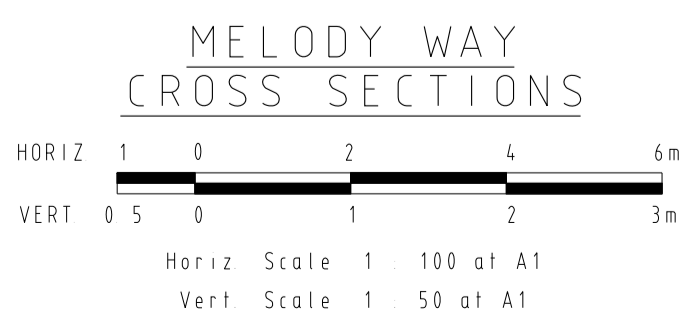
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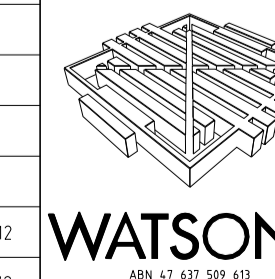
Chainage 15.89



Chainage 31.28



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12/12/12	L	LINEMARKING AMENDMENTS	ASC	PROJECT No.: 36182_1
30/11/12	K	PAVEMENT MAKEUP AMENDMENTS	ASC	DRAWN: C.M.H DATE: FEB 2012
29/11/12	J	RESIDENTS CLUB AMENDMENTS	ASC	DESIGNED: Z.W.L DATE: FEB 2012
FILENAME k:\36182\36182 1\dgn\r19.dgn			AUTHORISED:	A.S.C DATE: FEB 2012



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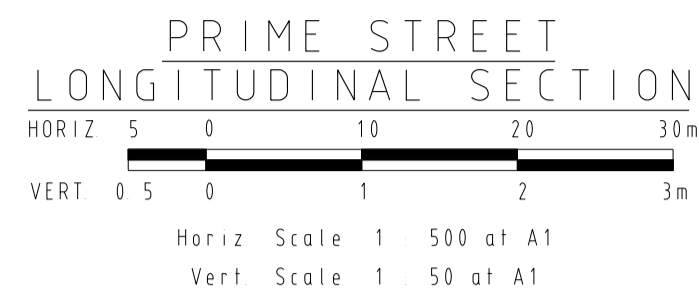
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VILLAWOOD PROPERTIES P/L
TRILLIUM STAGE 1
MICKLEHAM
ROAD AND DRAINAGE PLANS

PLAN NUMBER
36182/1
R19

MELODY WAY
LONGITUDINAL & CROSS SECTIONS

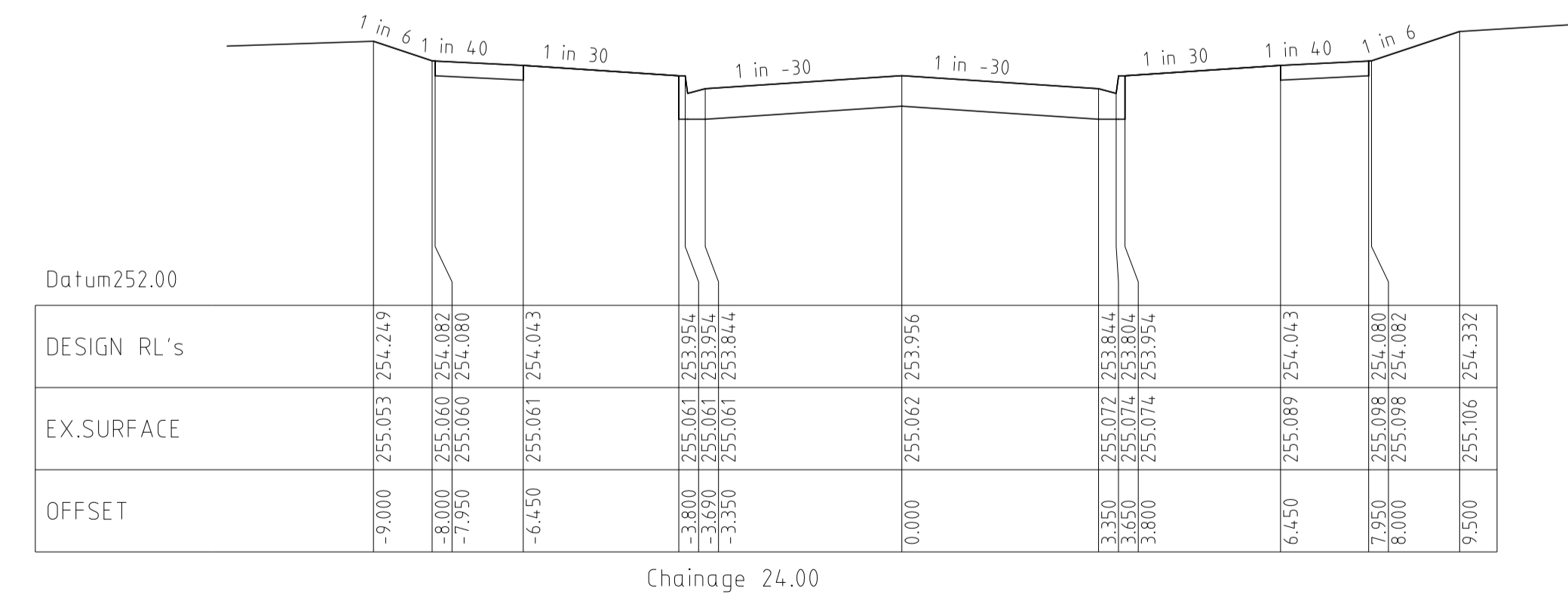
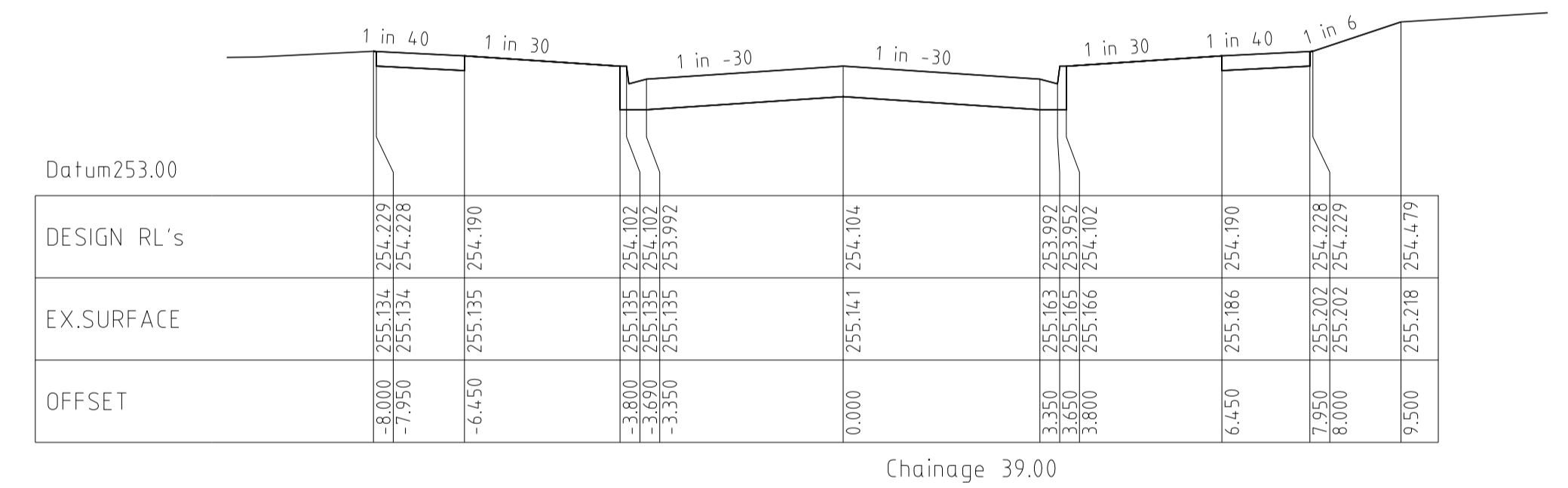
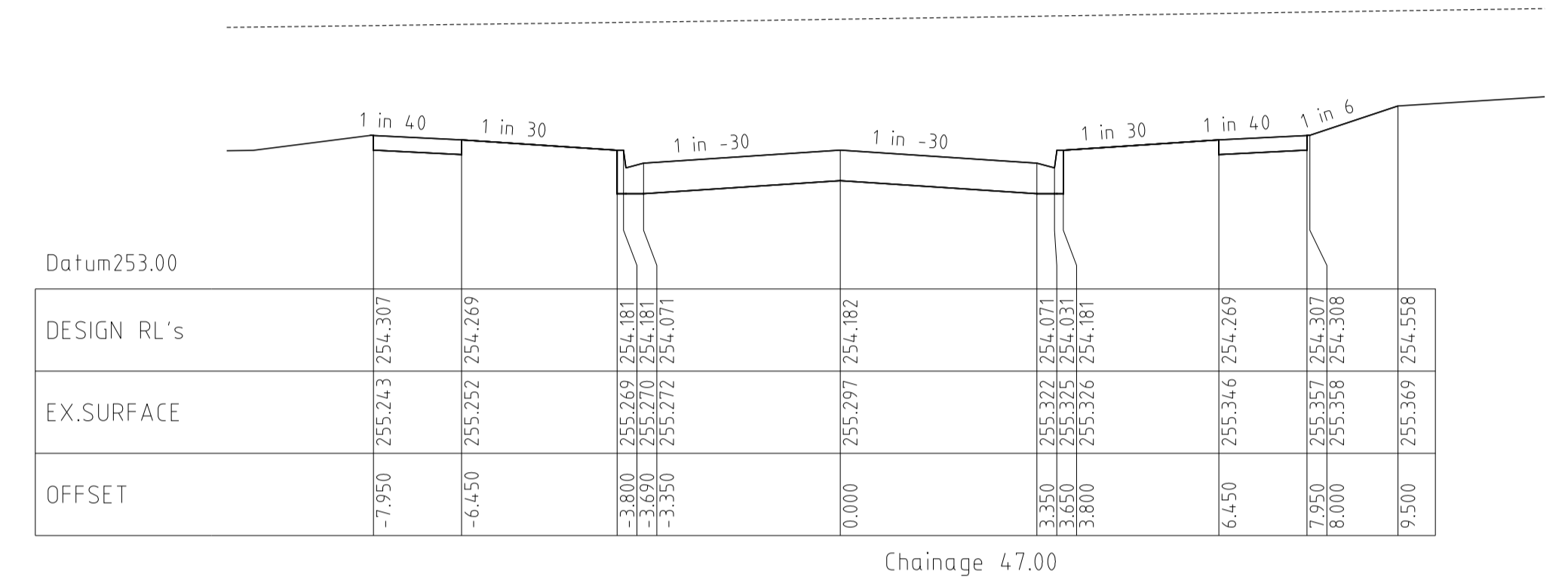
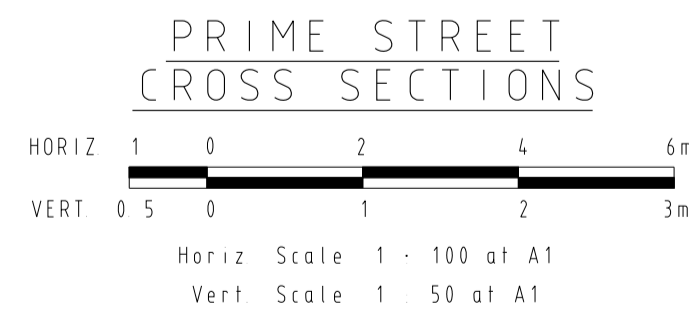
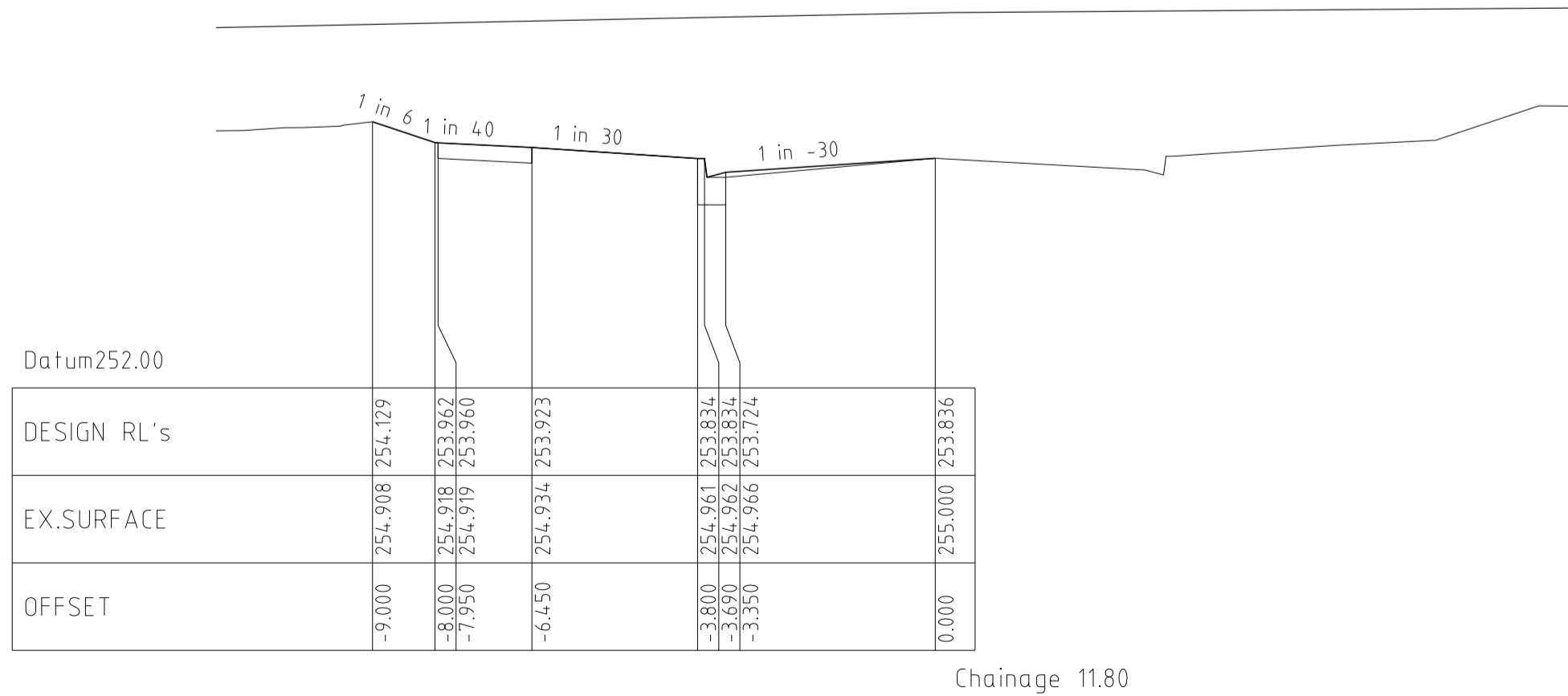
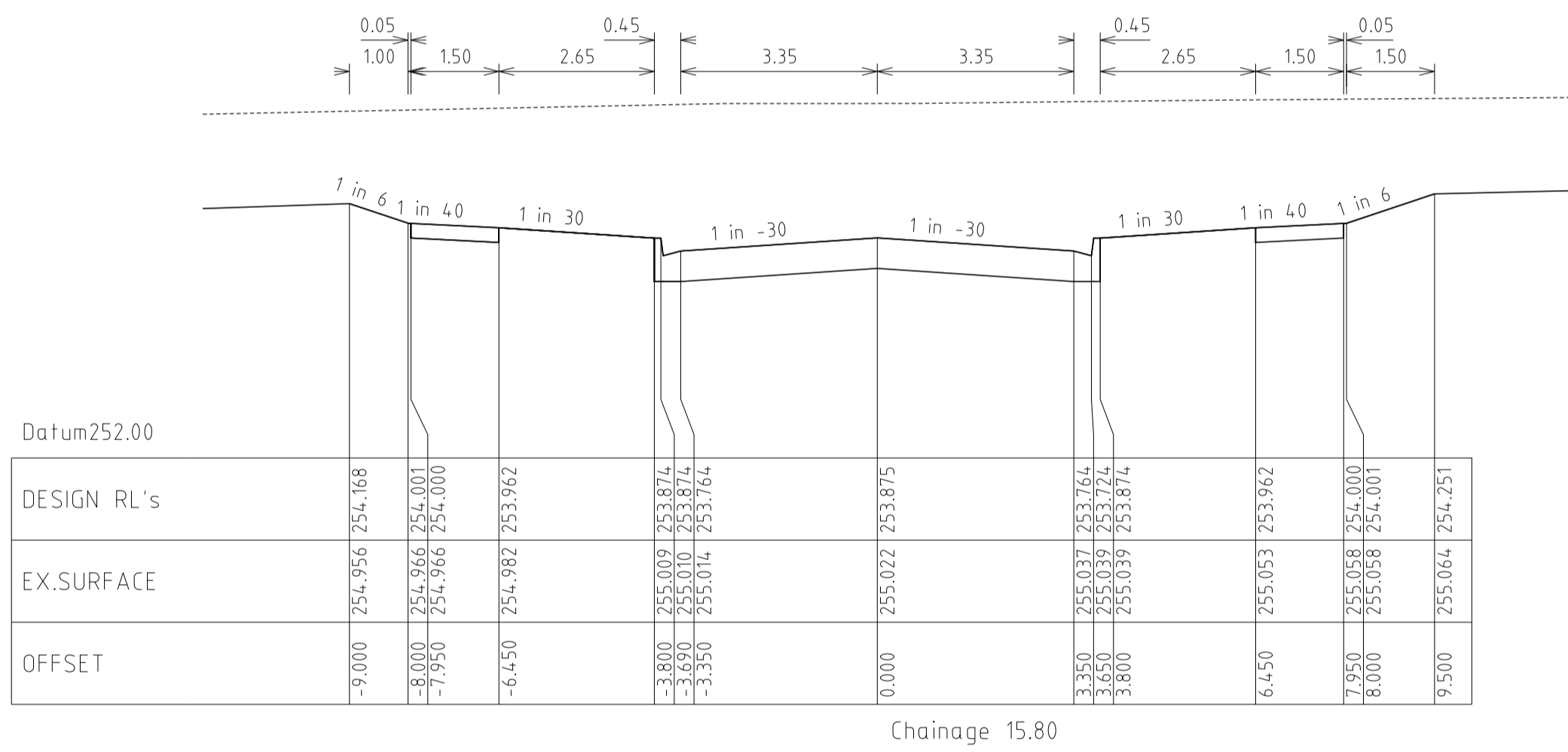
REVISION N
SHEET 19 OF 29



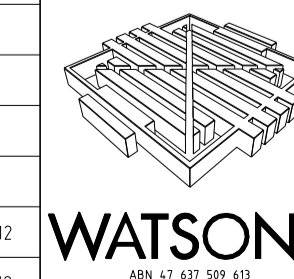
Horizontal Geometry
Vertical Grade
VC length

Datum R.L.249

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DESIGN CENTRELINE	253.720	253.836	253.875	253.977	253.956	254.104	254.113	254.182	254.310	254.507	254.704	254.900	255.097	255.294
EXISTING SURFACE	254.89	255.00	255.02	255.04	255.06	255.14	255.17	255.30	255.30	255.41	255.52	255.60	255.64	255.76



REVISIONS			SCALE:	AS SHOWN
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12/12/12	L	LINEMARKING AMENDMENTS	PROJECT No.:	36182_1
30/11/12	K	PAVEMENT MAKEUP AMENDMENTS	DRAWN:	C.M.H DATE: FEB 2012
29/11/12	J	RESIDENTS CLUB AMENDMENTS	DESIGNED:	Z.W.L DATE: FEB 2012
FILENAME k:\36182\36182 1\dgn\r20.dgn			AUTHORISED:	A.S.C DATE: FEB 2012



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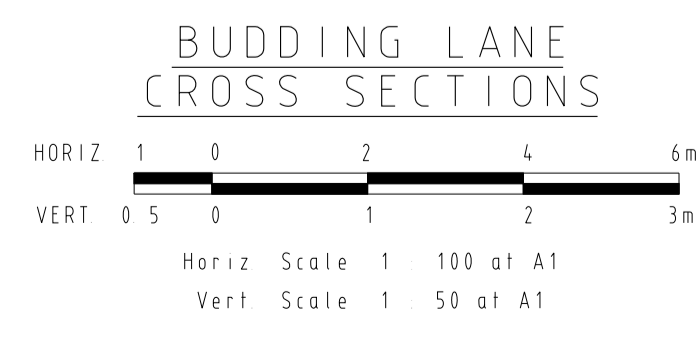
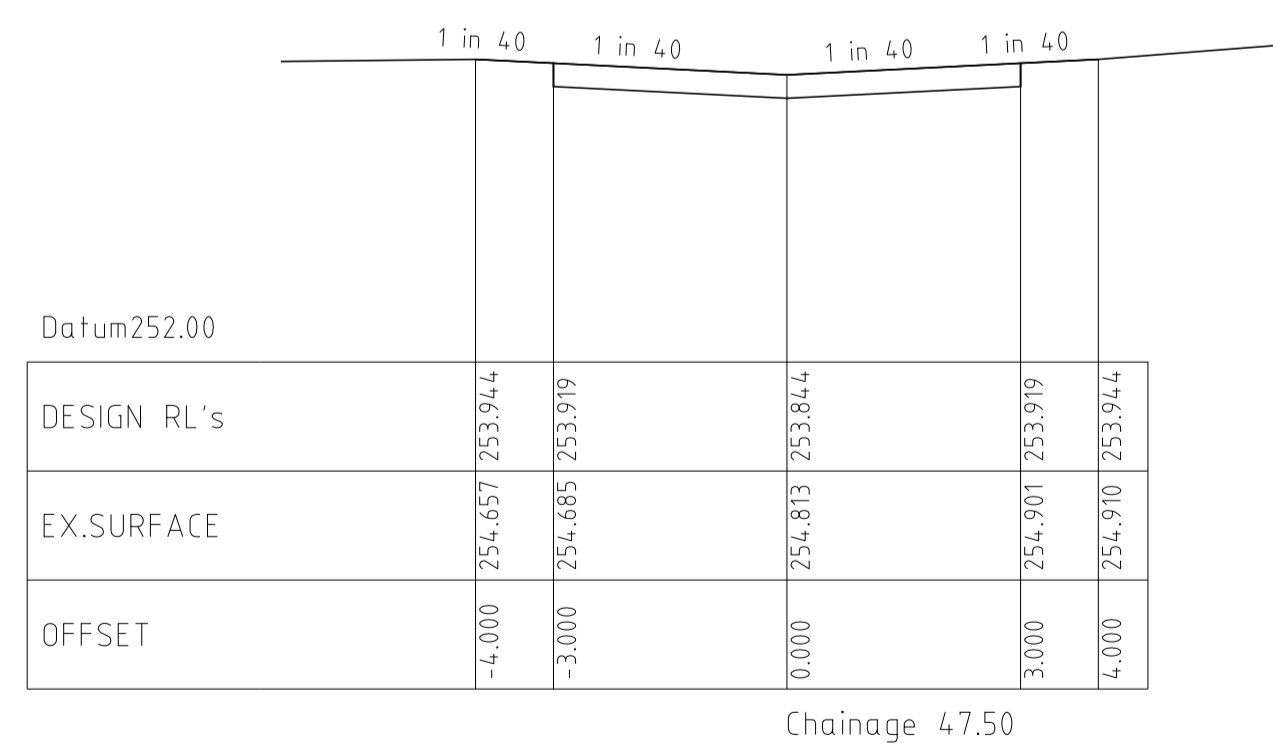
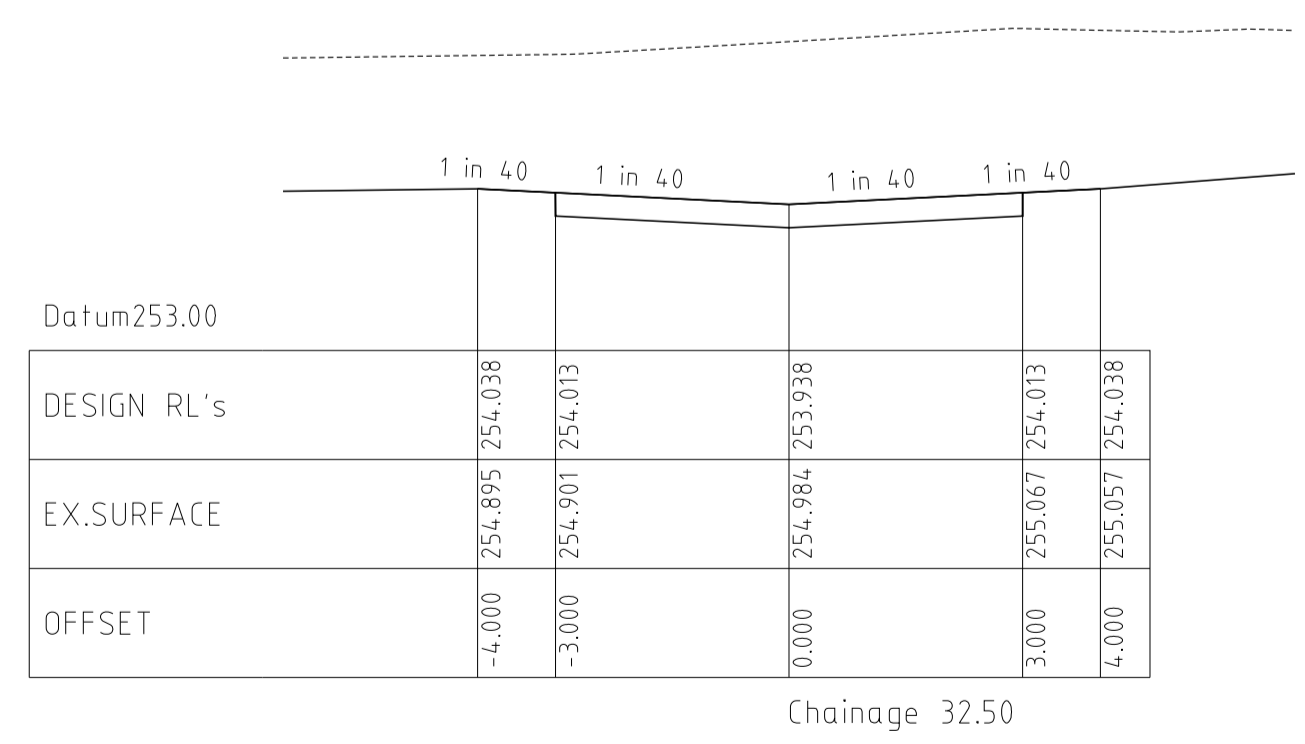
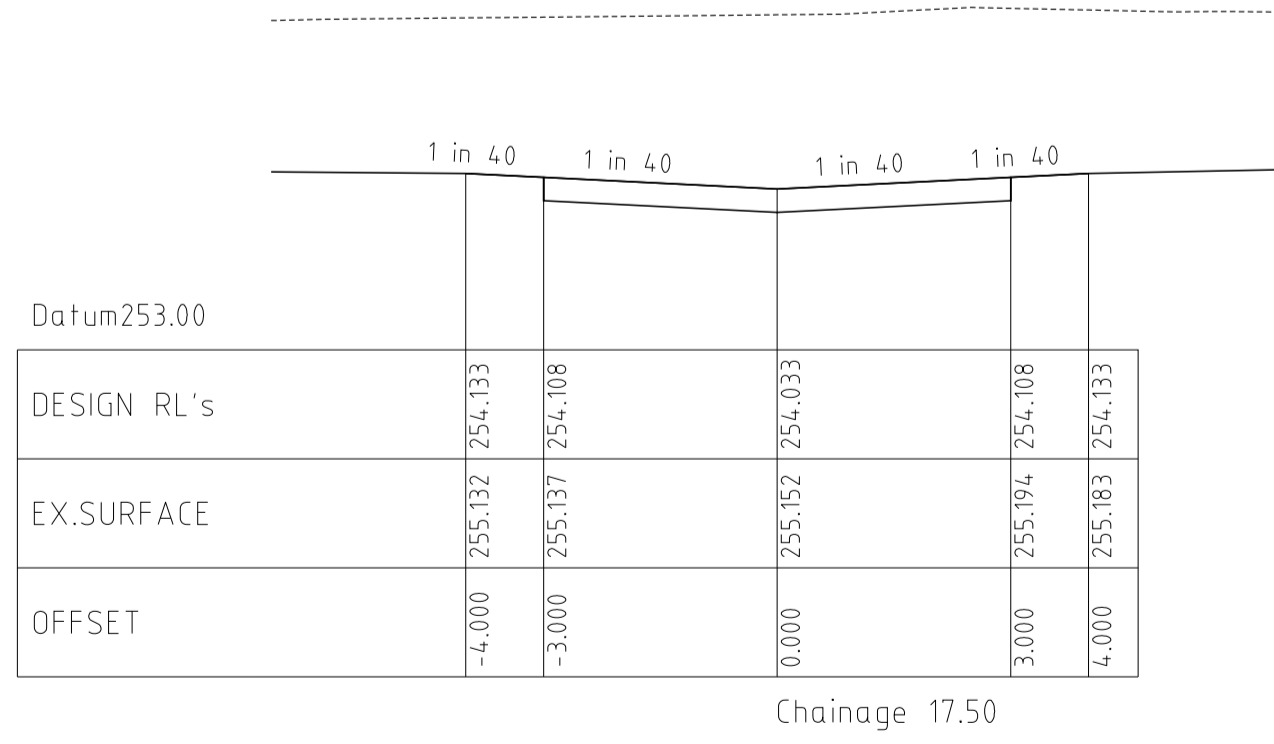
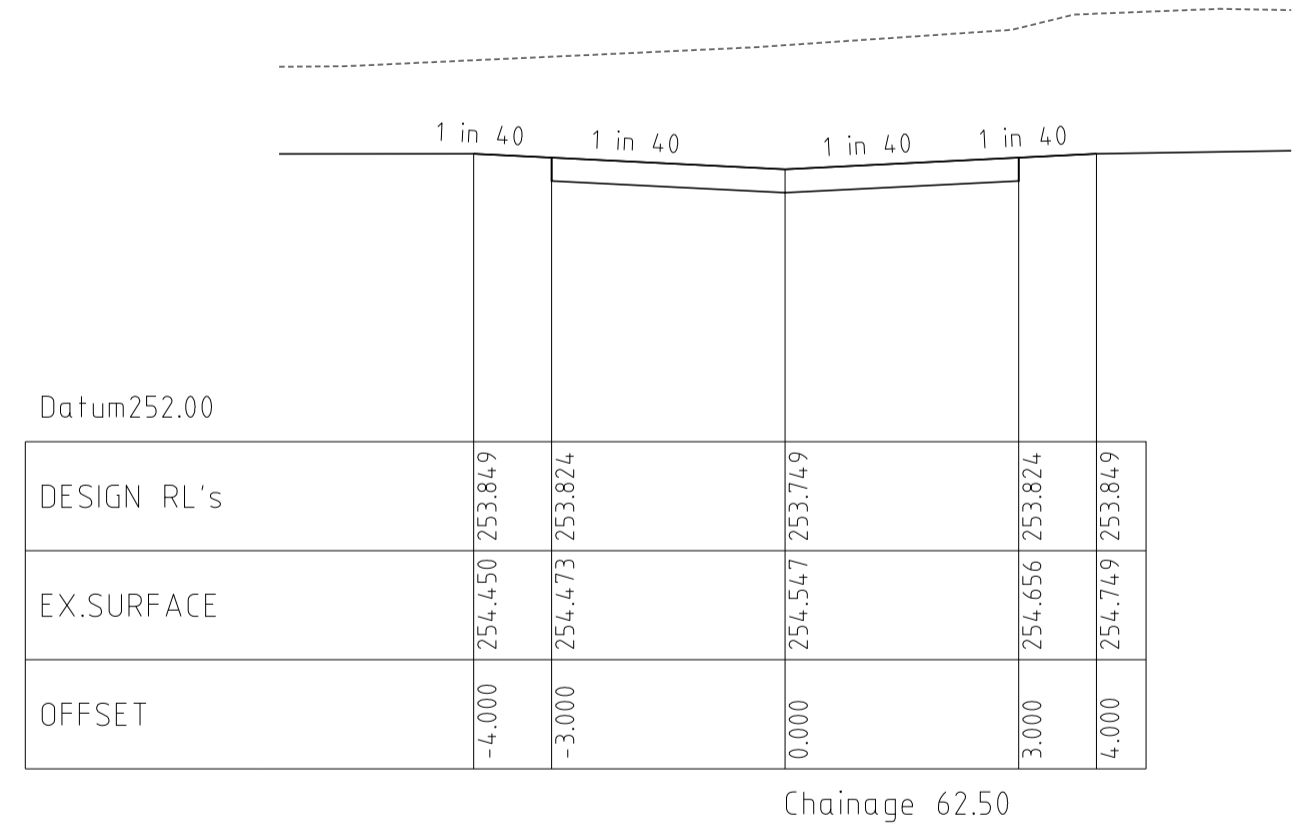
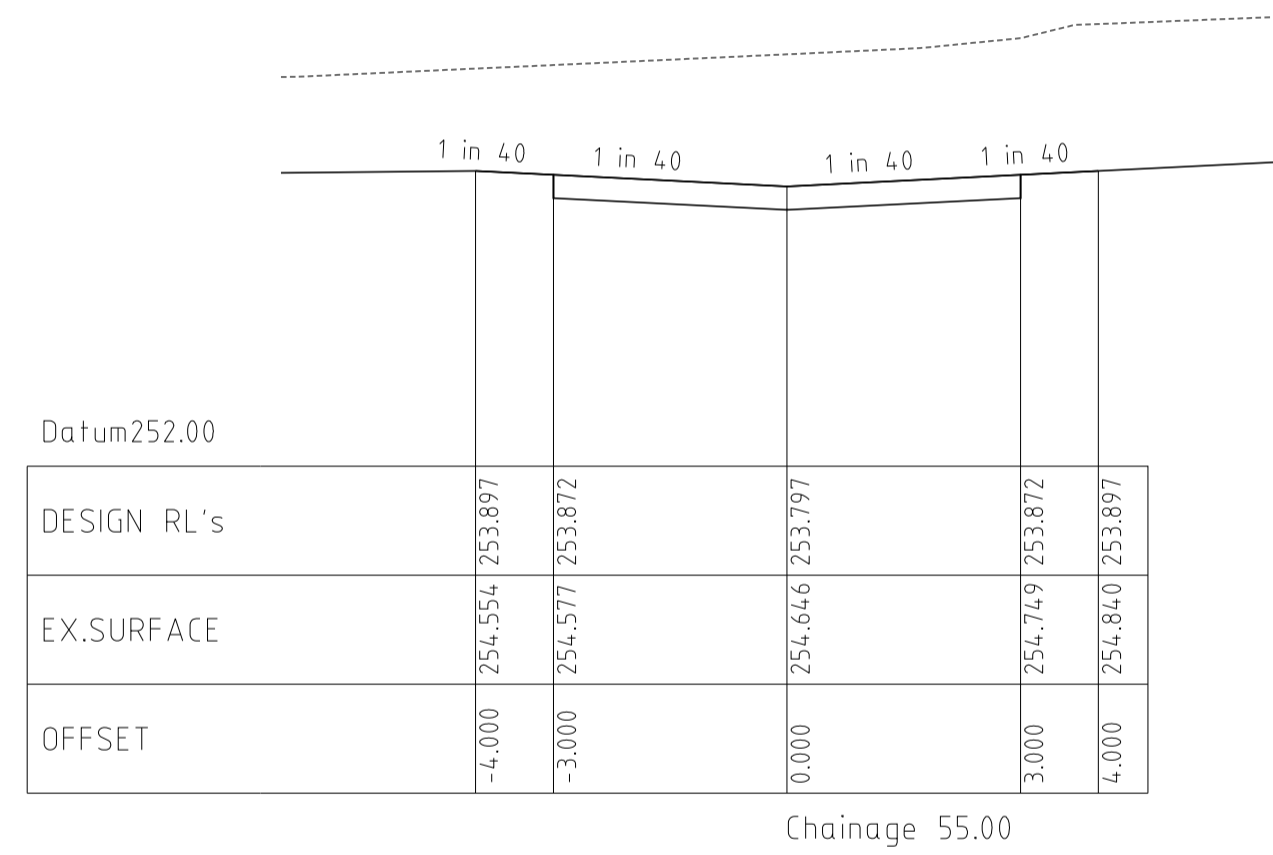
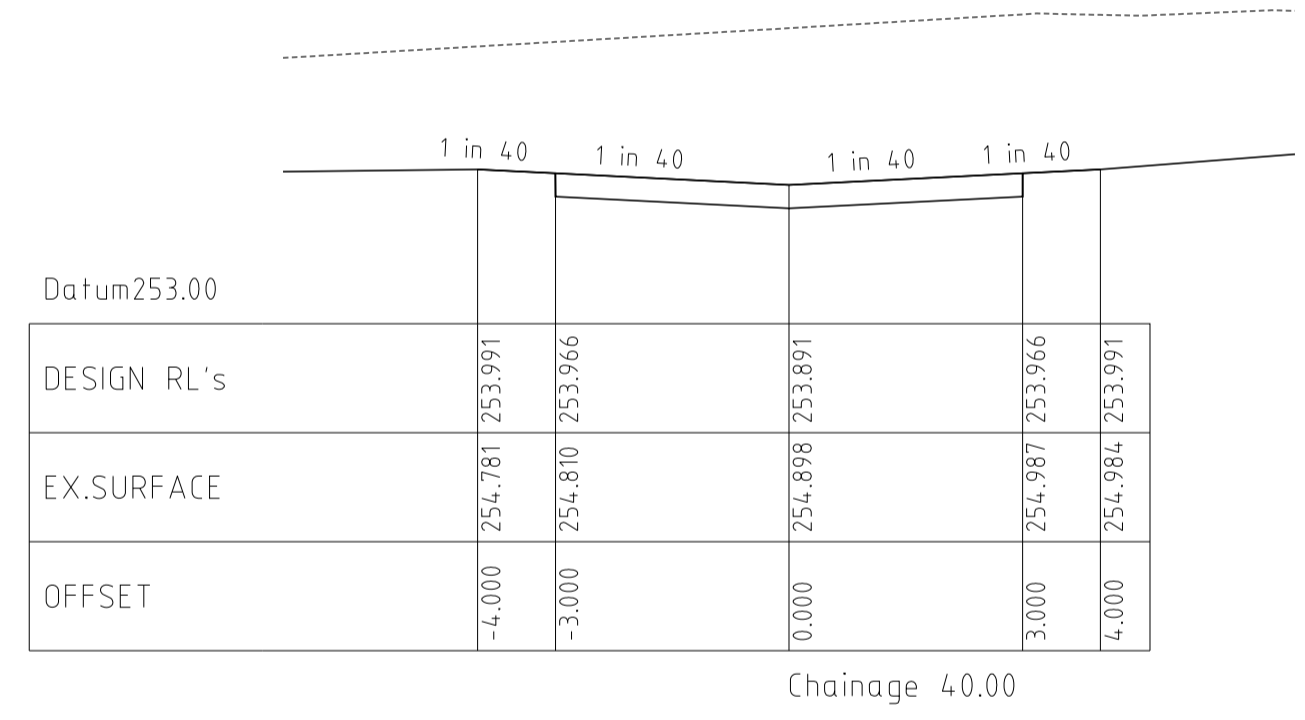
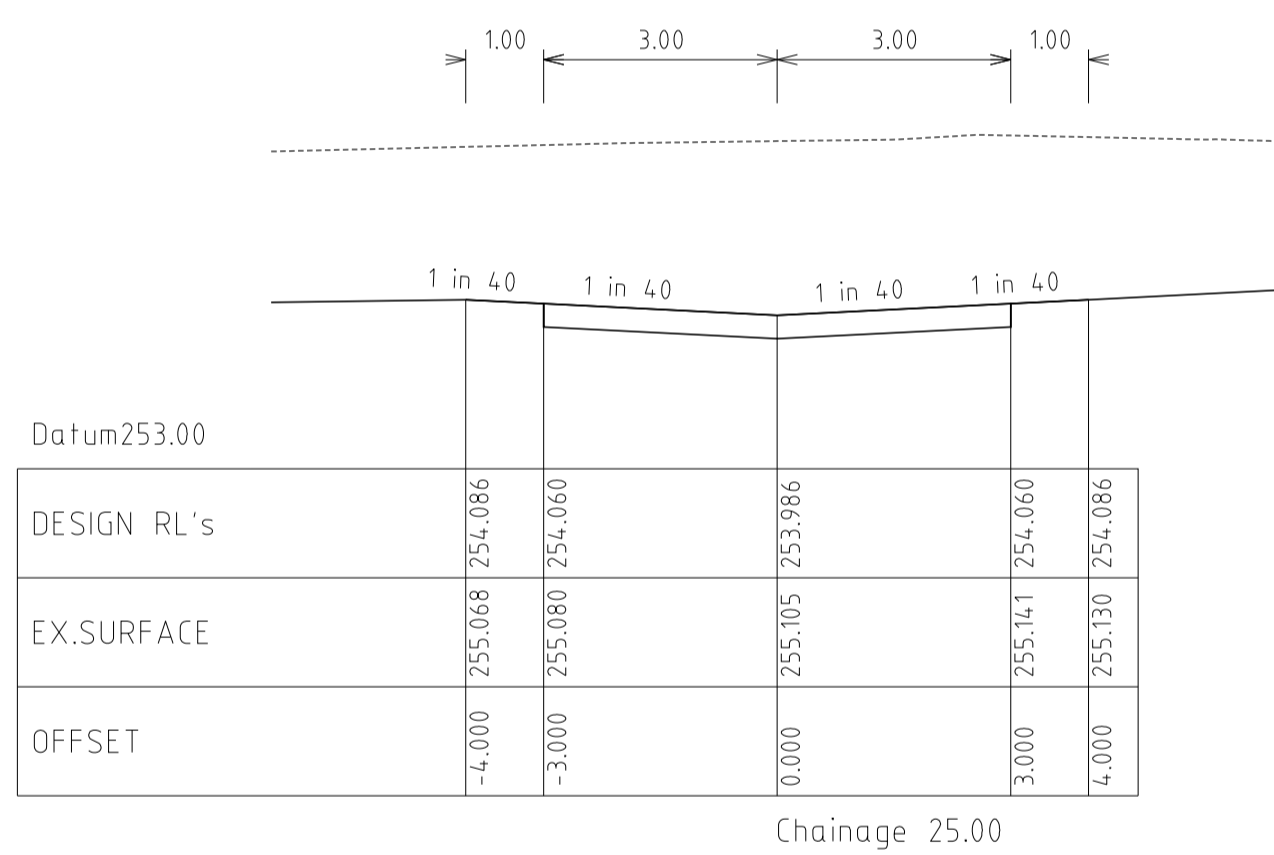
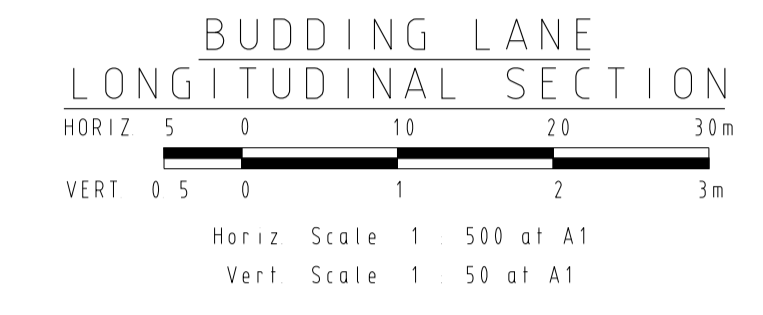
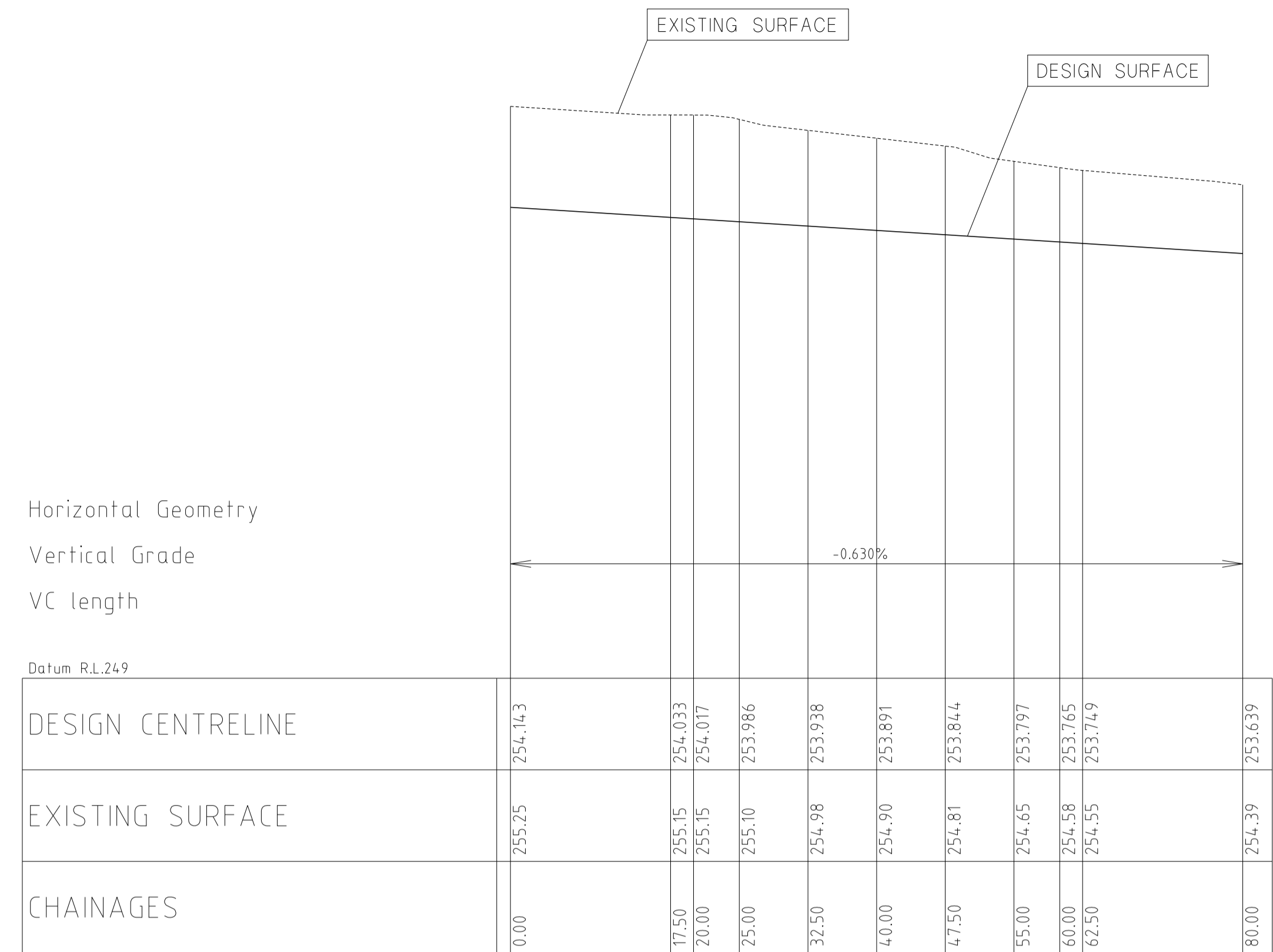
HUME CITY COUNCIL
VILLAWOOD PROPERTIES P/L
TRILLIUM STAGE 1
MICKLEHAM
ROAD AND DRAINAGE PLANS

PRIME STREET
LONGITUDINAL & CROSS SECTIONS

PLAN NUMBER
36182/1
R20

REVISION
N

SHEET 20 OF 29



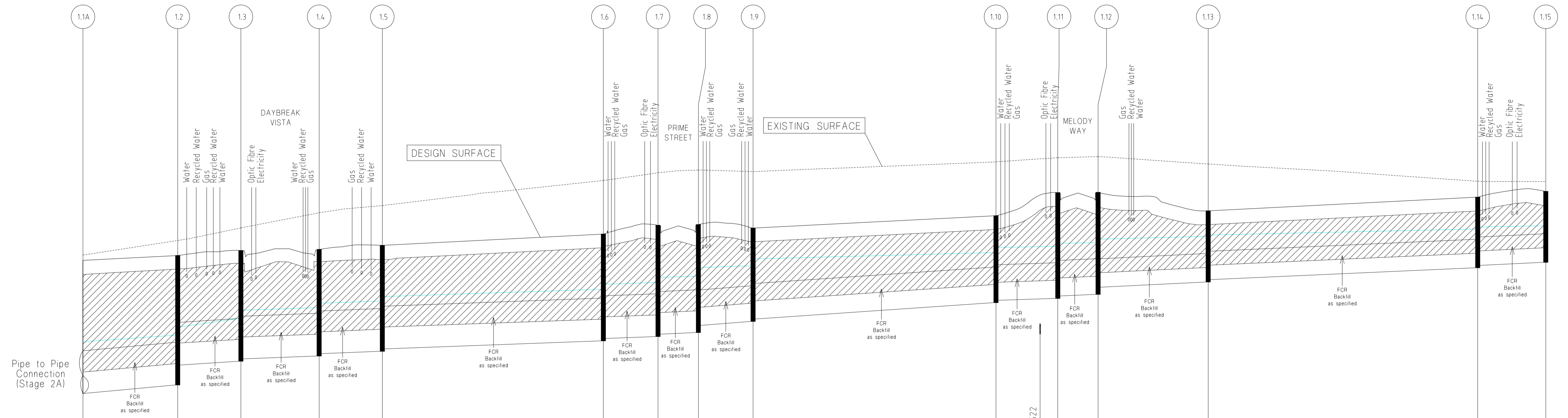
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12/12/12	L LINEMARKING AMENDMENTS	ASC	PROJECT No.:	36182_1
30/11/12	K PAVEMENT MAKEUP AMENDMENTS	ASC	DRAWN:	C.M.H DATE: FEB 2012
29/11/12	J RESIDENTS CLUB AMENDMENTS	ASC	DESIGNED:	Z.W.L DATE: FEB 2012
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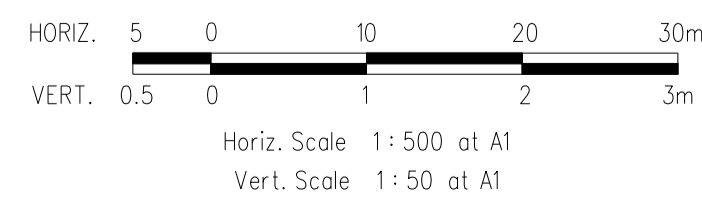
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VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 1 MICKLEHAM ROAD AND DRAINAGE PLANS		36182/1 R21
BUDDING LANE LONGITUDINAL & CROSS SECTIONS		REVISION N
		SHEET 21 OF 29



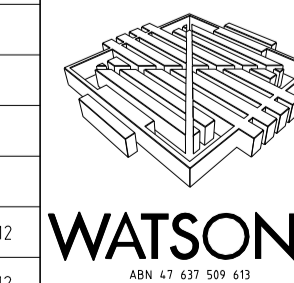
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CAPACITY (m3/s)		1.719	1.404	1.092	1.110	1.094	1.067	1.162	0.956	0.914	0.617	0.715	0.423	0.408	0.413
FLOW (m3/s)		1.519	1.323	1.036	1.037	1.036	1.020	1.015	0.632	0.565	0.461	0.400	0.305	0.289	0.261
VELOCITY (m/s)		3.050	2.509	1.953	1.982	1.956	1.909	2.058	2.312	2.177	1.532	1.663	1.628	1.563	1.546
PIPE SIZE (mm)		900RCP	900RCP	900RCP	900RCP	900RCP	900RCP	900RCP	750RCP	750RCP	750RCP	750RCP	600RCP	600RCP	600RCP
GRADE		1 in 111	1 in 166	1 in 275	1 in 266	1 in 274	1 in 288	1 in 243	1 in 136	1 in 148	1 in 325	1 in 243	1 in 211	1 in 227	1 in 221
Datum R.L.		245.000													
DEPTH TO INVERT		250.310	250.310	250.490	250.910	251.420	251.470	251.510	251.595	251.745	252.225	252.365	252.400	252.660	253.075
H.G.L. LEVELS		251.341	251.399	251.539	251.714	252.506	252.614	252.651	252.756	252.783	253.280	253.471	253.488	253.621	253.845
INVERT LEVELS		250.310	250.310	250.910	251.040	251.100	251.470	251.510	251.595	251.745	252.275	252.365	252.400	252.660	253.075
FINISHED SURFACE LEVELS		253.116	253.218	253.324	253.346	253.670	253.855	253.871	253.796	254.057	254.545	254.549	254.549	254.161	254.569
CHAINAGE		0.000	19.977	33.290	49.785	63.099	109.675	121.202	129.701	141.228	192.426	205.445	213.944	237.150	308.299

DRAINAGE LONGITUDINAL SECTIONS

NOTE:
LOCATION OF GAS, WATER,
TELSTRA & ELECTRICITY
SERVICES INDICATIVE ONLY



REVISIONS			SCALE:	AS SHOWN
DATE	DETAILS	AUTHORISED	DATE PRINTED:	19/02/2013
19/02/13	N	AS CONSTRUCTED	LEVEL DATA:	K:\36182\36182\1\TOPO
16/01/13	M	LINEMARKING AMENDMENTS	DATUM:	AHD
12/12/12	L	LINEMARKING AMENDMENTS	PROJECT No.:	36182_1
30/11/12	K	PAVEMENT MAKEUP AMENDMENTS	DRAWN:	C.M.H DATE: FEB 2012
29/11/12	J	RESIDENTS CLUB AMENDMENTS	DESIGNED:	Z.W.L DATE: FEB 2012
FILENAME k \36182\36182 1\dgn\22 dgn			AUTHORISED:	A.S.C DATE: FEB 2012



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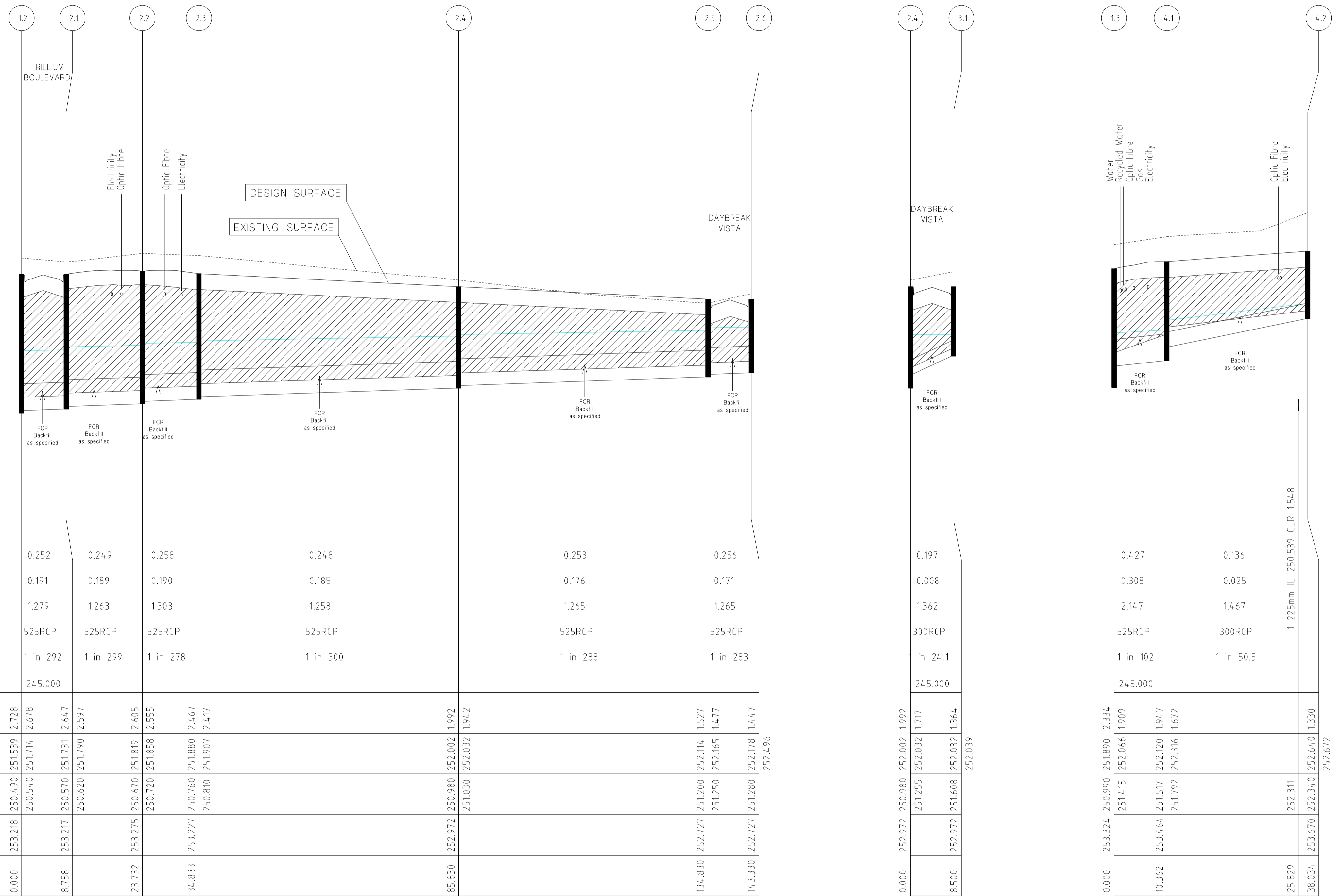
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HUME CITY COUNCIL
VILLAWOOD PROPERTIES P/L
TRILLIUM STAGE 1
MICKLEHAM
ROAD AND DRAINAGE PLANS

PLAN NUMBER
36182/1
R22

DRAINAGE LONGITUDINAL SECTION

REVISION N
SHEET 22 OF 29

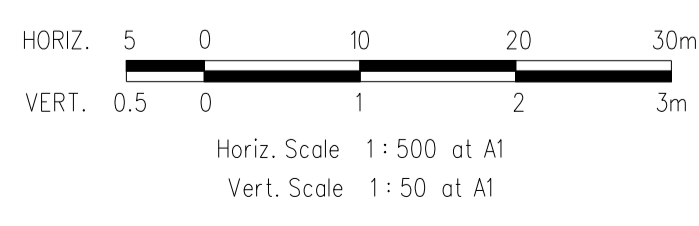


CAPACITY (m³/s)
 FLOW (m³/s)
 VELOCITY (m/s)
 PIPE SIZE (mm)
 GRADE
 Datum R.L.

DEPTH TO INVERT		2.728	2.678	2.647	2.597		1.992	1.942		1.527	1.477	1.447	252.496
H.G.L. LEVELS		251.539	251.714	251.731	251.790		252.002	252.032		252.114	252.165	252.178	
INVERT LEVELS		250.490	250.540	250.570	250.620		250.980	251.030		251.200	251.250	251.280	
FINISHED SURFACE LEVELS		253.218	253.217	253.275	253.227		252.972	252.972		252.727	252.727	252.727	
CHAINAGE		0.000	8.758	23.732	34.833		85.830			134.830	143.330		

NOTE:
 LOCATION OF GAS, WATER,
 TELSTRA & ELECTRICITY
 SERVICES INDICATIVE ONLY

DRAINAGE LONGITUDINAL SECTIONS



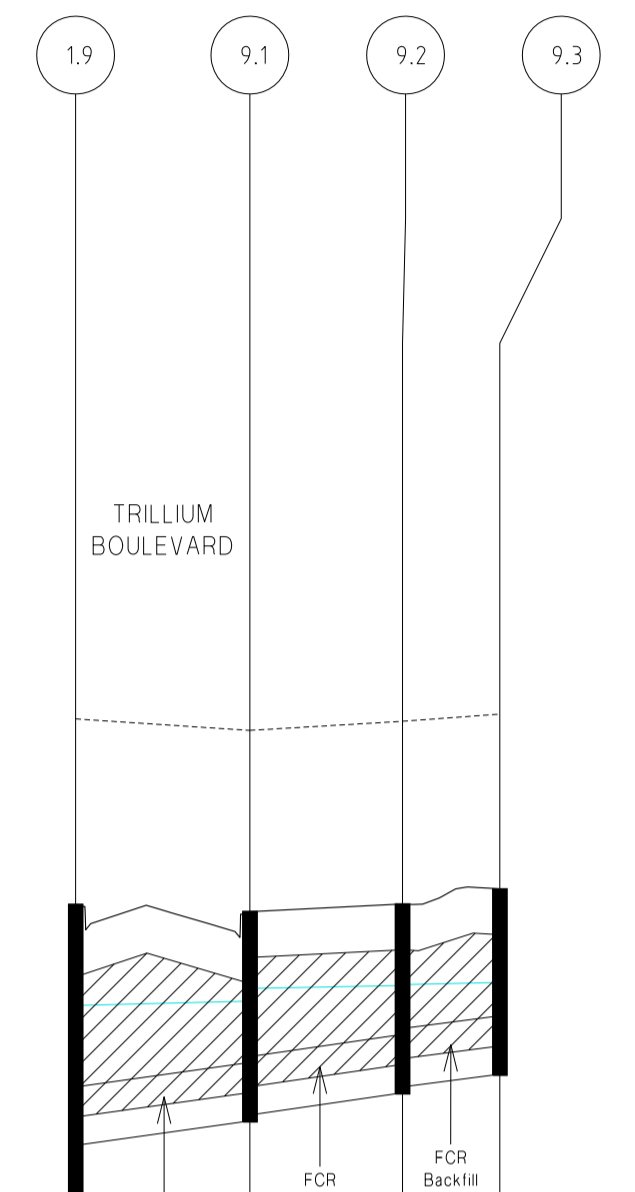
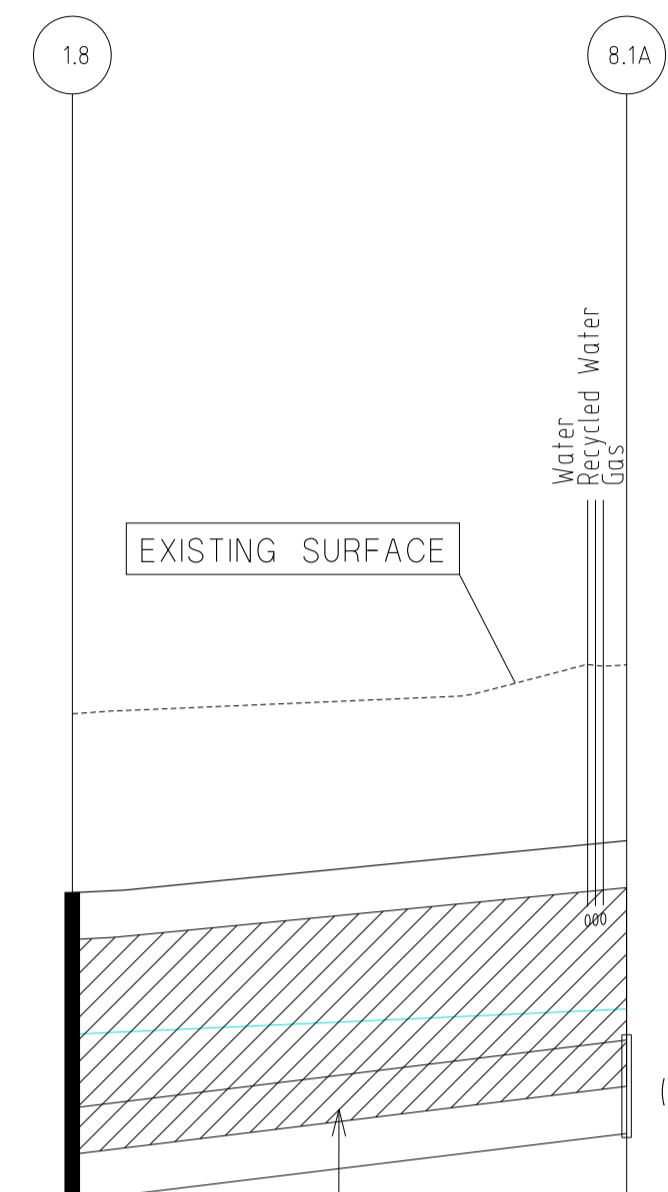
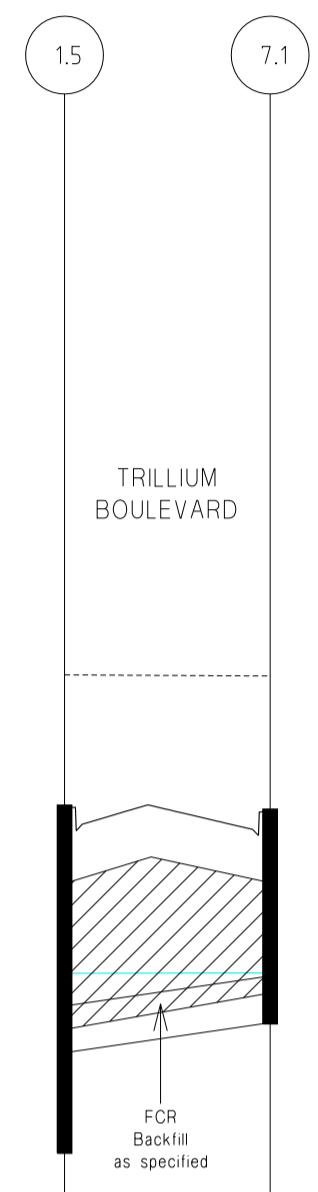
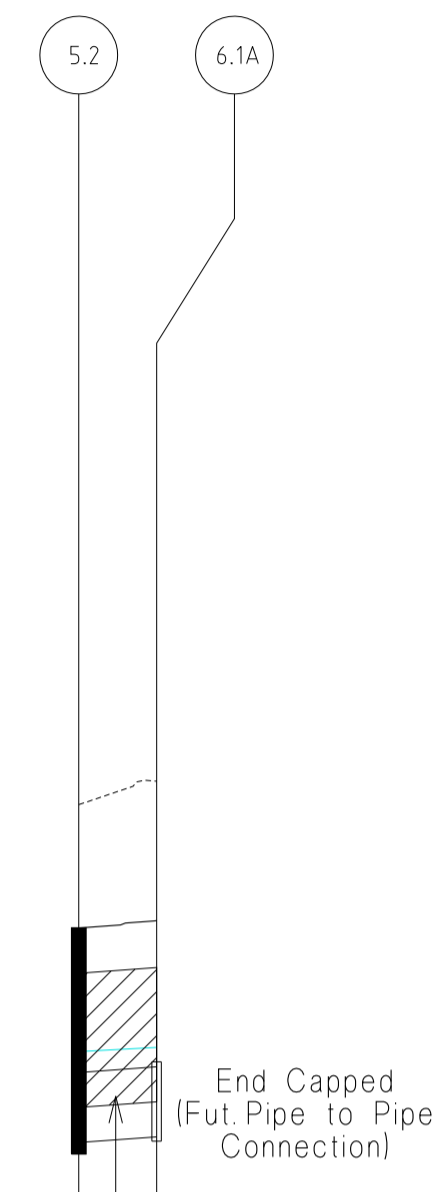
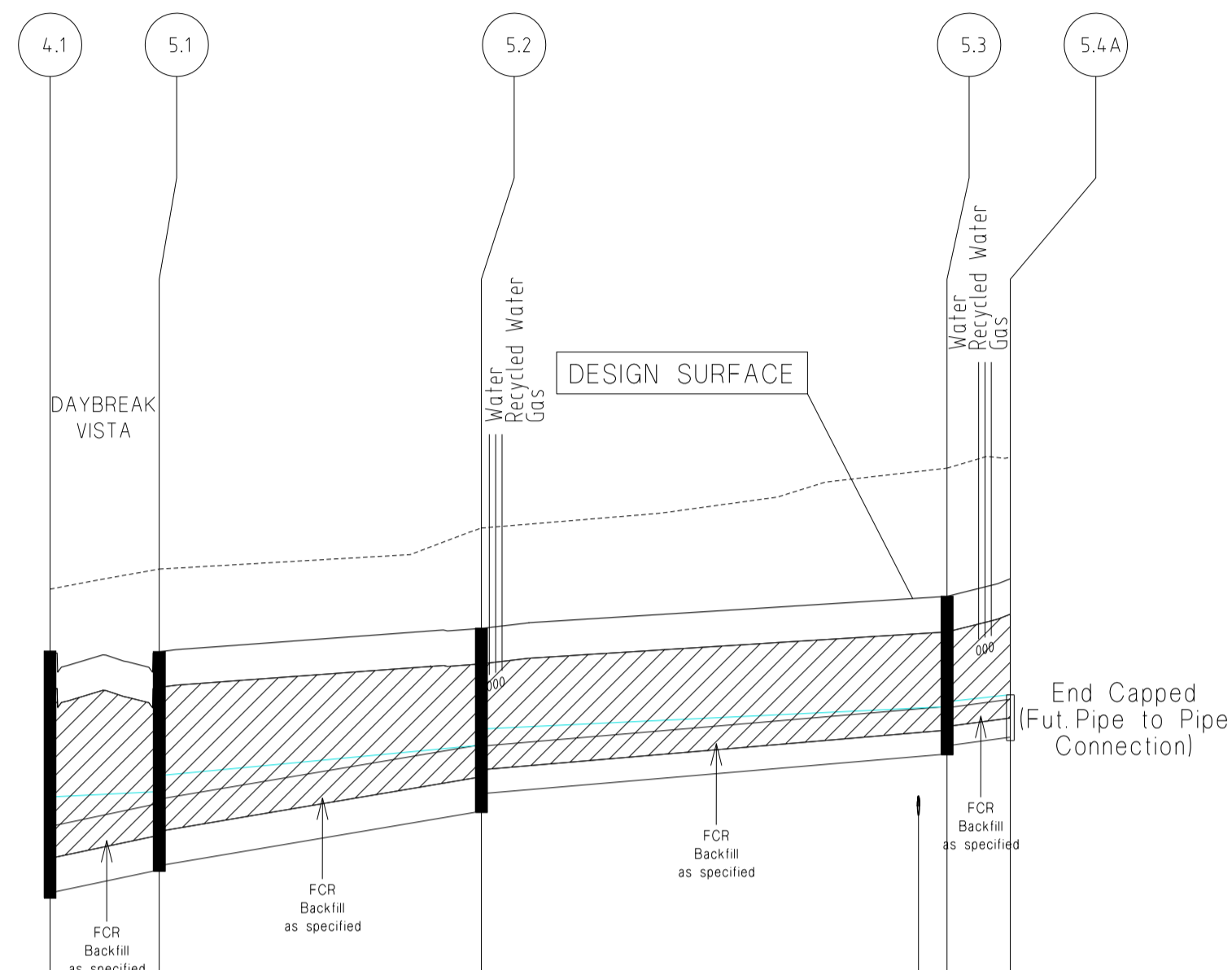
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16/01/13	M LINEMARKING AMENDMENTS	ASC	DATUM:	AHD
12/12/12	L LINEMARKING AMENDMENTS	ASC	PROJECT No.:	36182_1
30/11/12	K PAVEMENT MAKEUP AMENDMENTS	ASC	DRAWN:	C.M.H DATE: FEB 2012
29/11/12	J RESIDENTS CLUB AMENDMENTS	ASC	DESIGNED:	Z.W.L DATE: FEB 2012
FILENAME k:\36182\36182\1\dgn\23_dgn			AUTHORISED:	A.S.C DATE: FEB 2012



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HUME CITY COUNCIL		PLAN NUMBER
VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 1 MICKLEHAM ROAD AND DRAINAGE PLANS		36182/1 R23
DRAINAGE LONGITUDINAL SECTION		REVISION N
		SHEET 23 OF 29



CAPACITY (m ³ /s)	0.592	0.550	0.160	0.101
FLOW (m ³ /s)	0.286	0.286	0.092	0.092
VELOCITY (m/s)	2.709	2.563	1.498	1.626
PIPE SIZE (mm)	525RCP	525RCP	375RCP	300RCP
GRADE	1 in 52.9	1 in 61.3	1 in 120	1 in 90.9
Datum R.L.	245.000			

DEPTH TO INVERT	1.947	1.897	1.450	1.247	1.172	1.256
H.G.L. LEVELS	252.120	252.316	252.720	253.025	253.071	253.117
INVERT LEVELS	251.517	251.567	252.195	252.450	252.725	252.780
FINISHED SURFACE LEVELS	253.464	253.460	253.645	253.897	253.725	254.036
CHAINAGE	0.000	8.620	24.014	34.046	70.796	75.796

DEPTH TO INVERT	1.450	1.375	1.392
H.G.L. LEVELS	252.720	252.853	252.876
INVERT LEVELS	252.270	252.300	252.300
FINISHED SURFACE LEVELS	253.645	253.692	253.890
CHAINAGE	0.000	5.000	

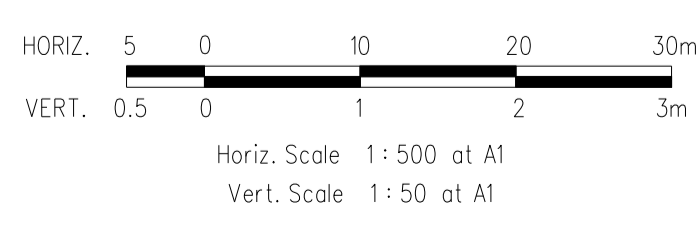
DEPTH TO INVERT	2.232	1.582	1.376
H.G.L. LEVELS	252.259	252.354	252.356
INVERT LEVELS	251.850	251.850	252.030
FINISHED SURFACE LEVELS	253.432	253.406	253.373
CHAINAGE	0.000	13.208	

DEPTH TO INVERT	2.276	1.976	1.886
H.G.L. LEVELS	252.783	252.965	253.122
INVERT LEVELS	251.595	252.965	252.320
FINISHED SURFACE LEVELS	253.871	253.749	254.206
CHAINAGE	0.000	26.993	35.600

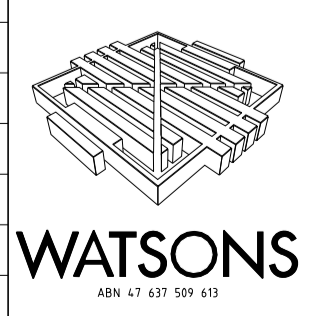
DEPTH TO INVERT	1.966	1.541	1.349	1.219	1.169	1.196
H.G.L. LEVELS	253.002	253.148	253.174	253.257	253.282	253.294
INVERT LEVELS	252.180	252.255	252.400	252.450	252.580	252.700
FINISHED SURFACE LEVELS	253.796	253.749	253.749	253.799	253.896	253.896
CHAINAGE	0.000	11.192	20.995	27.245		

NOTE:
LOCATION OF GAS, WATER,
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DRAINAGE LONGITUDINAL SECTIONS



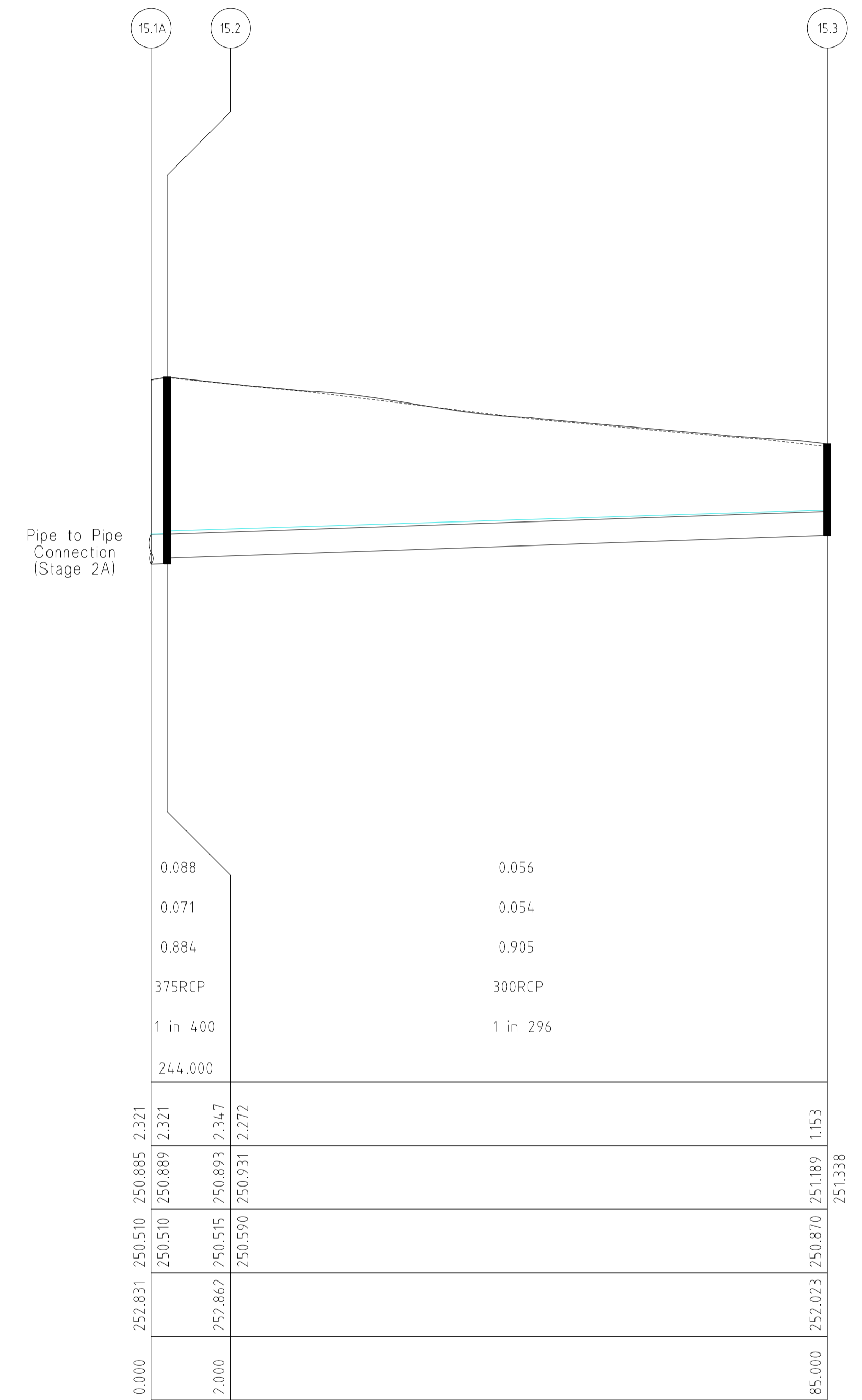
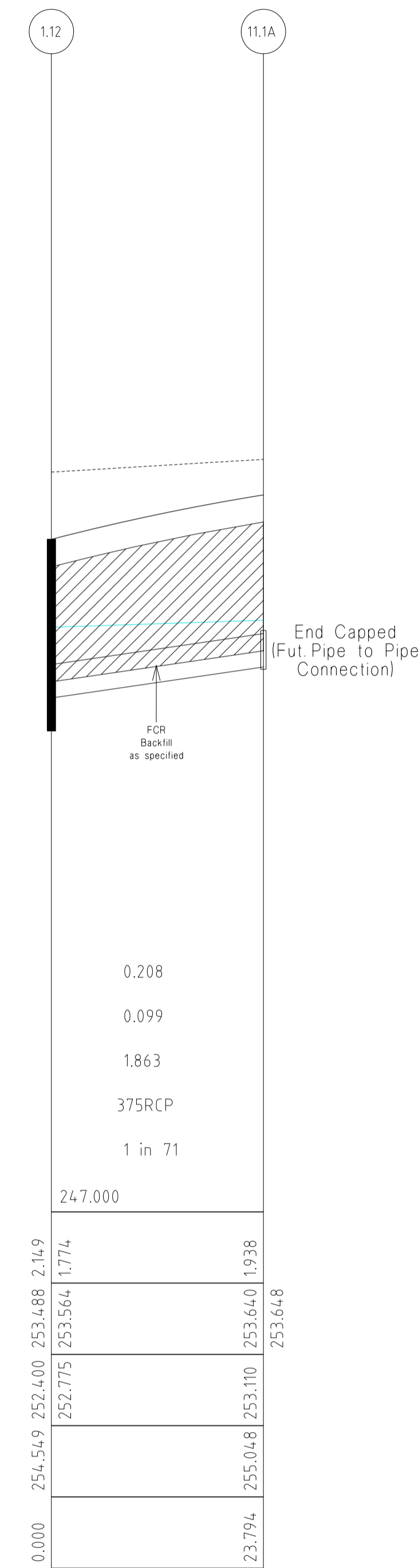
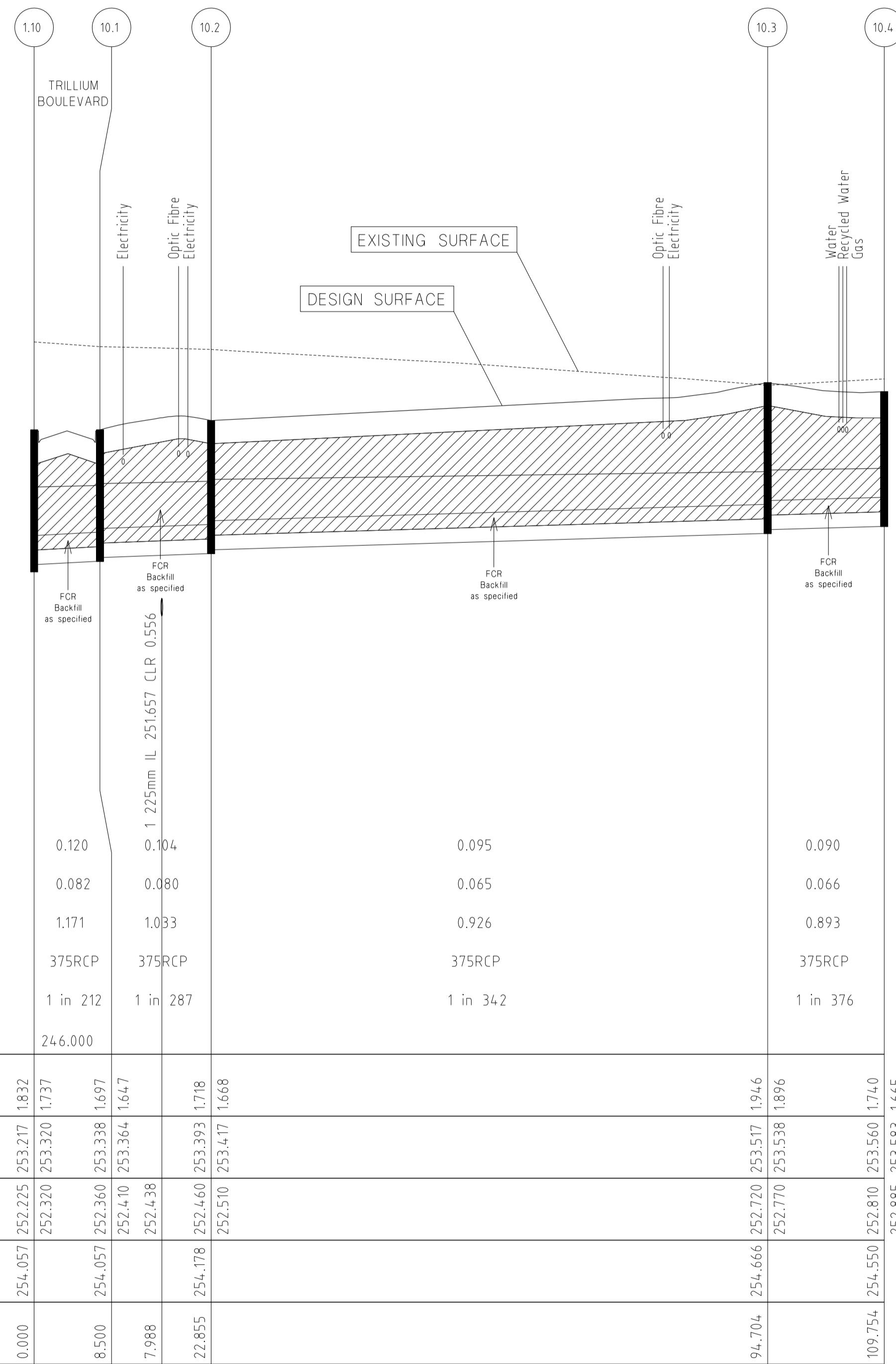
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12/12/12	L LINEMARKING AMENDMENTS	ASC	PROJECT No.:	36182_1
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29/11/12	J RESIDENTS CLUB AMENDMENTS	ASC	DESIGNED:	Z.W.L DATE: FEB 2012
FILENAME k \36182\36182 \dgn\r24 dgn			AUTHORISED:	A.S.C DATE: FEB 2012



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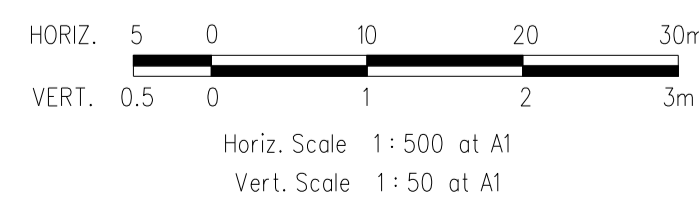
HUME CITY COUNCIL		PLAN NUMBER
VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 1 ROAD AND DRAINAGE PLANS		36182/1 R24
DRAINAGE LONGITUDINAL SECTION		REVISION N
		SHEET 24 OF 29



CAPACITY (m³/s)
 FLOW (m³/s)
 VELOCITY (m/s)
 PIPE SIZE (mm)
 GRADE
 Datum R.L.

DRAINAGE LONGITUDINAL SECTIONS

NOTE:
LOCATION OF GAS, WATER,
TELSTRA & ELECTRICITY
SERVICES INDICATIVE ONLY



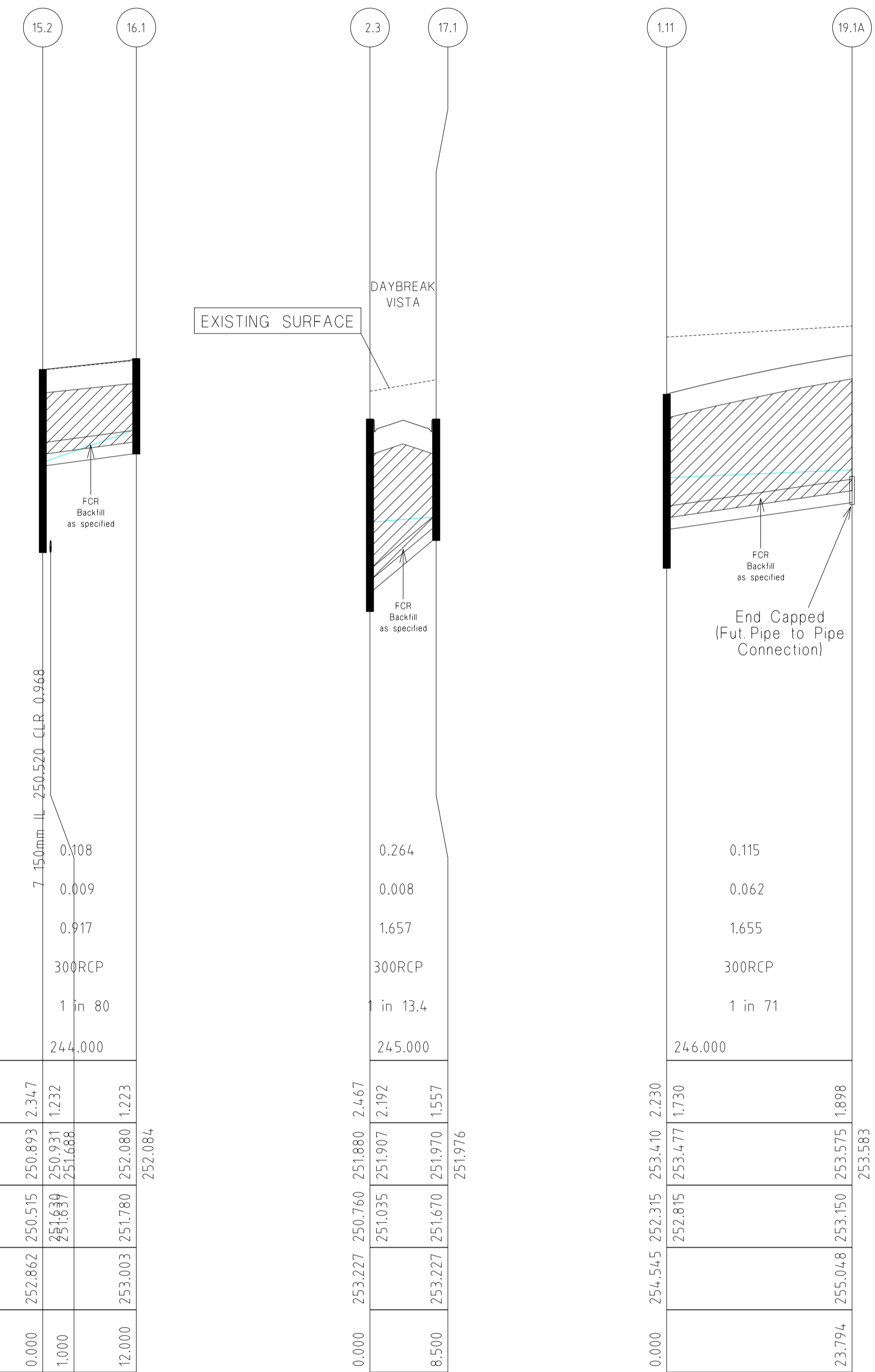
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12/12/12	L LINEMARKING AMENDMENTS	ASC	PROJECT No.:	36182_1
30/11/12	K PAVEMENT MAKEUP AMENDMENTS	ASC	DRAWN:	C.M.H DATE: FEB 2012
29/11/12	J RESIDENTS CLUB AMENDMENTS	ASC	DESIGNED:	Z.W.L DATE: FEB 2012
FILENAME k:\36182\36182\1\dgn\r25.dgn			AUTHORISED:	A.S.C DATE: FEB 2012

WATSONS
 MORNINGTON: 15 Main Street, P.O. Box 171, 3931. Phone: (03) 5975 4444. Fax: (03) 5975 1916. DX 93118 Mornington.
 MELBOURNE: The Melbourne, Suite 2, 250 St. Kilda Road, Melbourne, 3002. Phone: (03) 9697 8000. Fax: (03) 9697 8099.

HUME CITY COUNCIL		PLAN NUMBER
VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 1 MICKLEHAM ROAD AND DRAINAGE PLANS		36182/1 R25
DRAINAGE LONGITUDINAL SECTION		REVISION N
		SHEET 25 OF 29

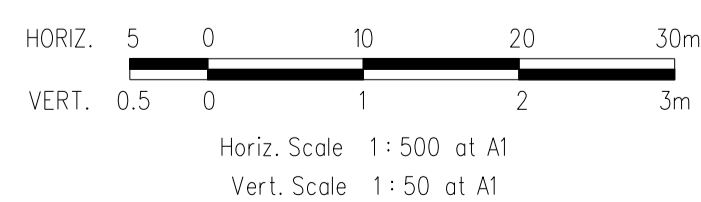
CAPACITY (m³/s)
 FLOW (m³/s)
 VELOCITY (m/s)
 PIPE SIZE (mm)
 GRADE
 Datum R.L.

DEPTH TO INVERT		2.347	1.232	1.223
H.G.L. LEVELS	250.893	250.931	251.688	252.084
INVERT LEVELS	250.515	251.639	251.780	252.080
FINISHED SURFACE LEVELS	252.862		253.003	
CHAINAGE	0.000	1.000	12.000	



DRAINAGE LONGITUDINAL SECTIONS

NOTE:
 LOCATION OF GAS, WATER,
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REVISIONS			SCALE:	AS SHOWN
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19/02/13	N AS CONSTRUCTED	ASC	LEVEL DATA:	K:\36182\36182\LTPOD
16/01/13	M LINEMARKING AMENDMENTS	ASC	DATUM:	AHD
12/12/12	L LINEMARKING AMENDMENTS	ASC	PROJECT No.:	36182_1
30/11/12	K PAVEMENT MAKEUP AMENDMENTS	ASC	DRAWN:	C.M.H DATE: FEB 2012
29/11/12	J RESIDENTS CLUB AMENDMENTS	ASC	DESIGNED:	Z.W.L DATE: FEB 2012
FILENAME k:\36182\36182\1\dgn\26.dgn			AUTHORISED:	A.S.C DATE: FEB 2012

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HUME CITY COUNCIL		PLAN NUMBER
VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 1 MICKLEHAM ROAD AND DRAINAGE PLANS		36182/1 R26
DRAINAGE LONGITUDINAL SECTION		REVISION N
		SHEET 26 OF 29

PIT SCHEDULE

PIT NO.	PIT TYPE	INTERNAL DIMENSIONS	EASTING	NORTHNG	INLET DIA.	INLET I.L.	OUTLET DIA.	OUTLET I.L.	COVER LEVEL	DEPTH TO INVERT	REMARKS
1.15	SEP	1050 x 600	4033.402	10371.943	525	253.15	600	253.075	254.569	1.494	GAA012: SD275 (CIRCULAR PIT LID)
1.14	SEP	1050 x 600	4021.993	10363.231	600	253.01	600	252.96	254.449	1.489	GAA012: SD275 (CIRCULAR PIT LID)
1.13	SEP	900 x 600	3965.703	10370.778	600	252.71	600	252.66	254.161	1.501	GAA012: SD275 (CIRCULAR PIT LID)
1.12	SEP	1050 x 900	3942.703	10373.862	600	252.55	750	252.4	254.549	2.149	GAA012: SD275 (CIRCULAR PIT LID)
					375	252.775					Line 11 Enters
1.11	SEP	1350 x 600	3941.573	10365.438	750	252.365	750	252.315	254.545	2.23	GAA012: SD275 (CIRCULAR PIT LID)
					300	252.815					Line 19 Enters
1.1	SEP	1350 x 1050	3948.302	10354.293	750	252.275	750	252.225	254.057	1.832	GAA012: SD275 (CIRCULAR PIT LID)
					375	252.32					Line 10 Enters
1.9	SEP	1500 x 1050	3941.499	10303.549	750	251.88	750	251.83	253.796	1.966	GAA012: SD275 (CIRCULAR PIT LID)
					375	252.255					Line 9 Enters
1.8	SEP	1500 x 900	3932.338	10296.554	750	251.745	900	251.595	253.871	2.276	GAA012: SD275 (CIRCULAR PIT LID)
					600	251.895					Line 8 Enters
1.7	SEP	1650 x 900	3931.208	10288.129	900	251.56	900	251.51	253.855	2.345	GAA012: SD275 (CIRCULAR PIT LID)
1.6	SEP	1650 x 1200	3938.203	10278.968	900	251.47	900	251.42	253.67	2.25	GAA012: SD275 (CIRCULAR PIT LID)
1.5	SEP	1350 x 750	3932.014	10232.805	900	251.25	900	251.2	253.432	2.232	GAA012: SD275 (CIRCULAR PIT LID)
					300	251.85					Line 7 Enters
1.4	SEP	1650 x 1350	3926.602	10220.641	900	251.15	900	251.1	253.346	2.246	GAA012: CLASS D CIRCULAR PIT LID
1.3	JP	1650 x 1350	3924.414	10204.291	900	251.04	900	250.99	253.324	2.334	GAA014: SD275(CIRCULAR PIT LID); CLASS D CIRCULAR PIT LID
					525	251.415					Line 4 Enters
1.2	SEP	1350 x 900	3926.426	10191.131	900	250.91	900	250.49	253.218	2.728	GAA012: SD275 (CIRCULAR PIT LID)
					525	250.54					Line 2 Enters
1.1A	OUTFALL		3923.772	10171.332	900	250.31			253.116	2.806	OUTLET
2.6	SEP	900 x 600	4054.419	10199.47			525	251.28	252.727	1.447	GAA012: SD275 (CIRCULAR PIT LID)
2.5	SEP	900 x 600	4053.29	10191.045	525	251.25	525	251.2	252.727	1.527	GAA012: SD275 (CIRCULAR PIT LID)
2.4	SEP	900 x 600	4004.724	10197.557	525	251.03	525	250.98	252.972	1.992	GAA012: SD275 (CIRCULAR PIT LID)
					300	251.255					Line 3 Enters
2.3	SEP	900 x 600	3954.18	10204.334	525	250.81	525	250.76	253.227	2.467	GAA012: SD275 (CIRCULAR PIT LID)
					300	251.035					Line 17 Enters
2.2	JP	900 x 900	3943.234	10202.48	525	250.72	525	250.67	253.275	2.605	GAA014: SD275(CIRCULAR PIT LID); CLASS D CIRCULAR PIT LID
2.1	SEP	900 x 900	3935.098	10189.909	525	250.62	525	250.57	253.217	2.647	GAA012: SD275 (CIRCULAR PIT LID)
3.1	SEP	900 x 600	4005.854	10205.981			300	251.608	252.972	1.364	GAA012: SD275 (CIRCULAR PIT LID)
4.2	JP	900 x 600	3888.022	10213.229			300	252.34	253.67	1.33	GAA014: SD275 (CIRCULAR PIT LID)
4.1	SEP	900 x 600	3915.438	10209.468	300	251.792	525	251.517	253.464	1.947	GAA012: SD275 (CIRCULAR PIT LID)
					525	251.567					Line 5 Enters
5.4A	PC		3891.306	10258.418			300	252.78	254.036	1.256	END CAPPED
5.3	JP	900 x 600	3896.262	10257.754	300	252.725	375	252.65	253.897	1.247	GAA014: SD275 (CIRCULAR PIT LID); CLASS D CIRCULAR PIT LID
5.2	GP	900 x 600	3891.378	10221.33	375	252.345	525	252.195	253.645	1.45	GAA014: SD275(CIRCULAR PIT LID); GRATED PIT LID
					450	252.27					Line 6 Enters
5.1	SEP	900 x 600	3916.586	10218.011	525	251.78	525	251.73	253.46	1.73	GAA012: SD275 (CIRCULAR PIT LID)

NOTE:

- xy setout to pit centre
- setout level to pit cover level

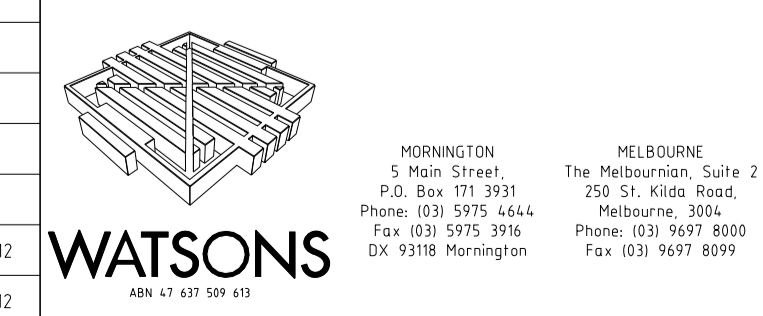
PIT SCHEDULE

PIT NO.	PIT TYPE	INTERNAL DIMENSIONS	EASTING	NORTHNG	INLET DIA.	INLET I.L.	OUTLET DIA.	OUTLET I.L.	COVER LEVEL	DEPTH TO INVERT	REMARKS	
6.1A	PC		3886.423	10221.994				450	252.3	253.692	1.392	END CAPPED
7.1	SEP	900 x 600	3943.485	10239.351				300	252.03	253.406	1.376	GAA012: SD275 (CIRCULAR PIT LID)
8.1A	PC		3897.053	10301.285				600	252.32	254.206	1.886	END CAPPED
9.3	JP	900 x 600	3952.527	10321.845				375	252.7	253.896	1.196	GAA014: SD275 (CIRCULAR PIT LID)
9.2	JP	900 x 600	3953.723	10315.711	375	252.63	375	252.58	253.799	1.219	GAA014: SD275 (CIRCULAR PIT LID)	
9.1	SEP	900 x 600	3952.42	10305.995	375	252.45	375	252.4	253.874	1.474	GAA012: SD275 (CIRCULAR PIT LID)	
10.4	SEP	900 x 600	4041.348	10367.245	300	252.885	375	252.81	254.55	1.74	GAA012: SD275 (CIRCULAR PIT LID)	
10.3	JP	900 x 600	4039.348	10352.329	375	252.77	375	252.72	254.666	1.946	GAA014: SD275 (CIRCULAR PIT LID)	
10.2	SEP	900 x 600	3968.136	10361.876	375	252.51	375	252.46	254.178	1.718	GAA012: SD275 (CIRCULAR PIT LID)	
10.1	SEP	900 x 600	3956.727	10353.165	375	252.41	375	252.36	254.057	1.697	GAA012: SD275 (CIRCULAR PIT LID)	
11.1A	PC		3919.12	10377.024				375	253.11	255.048	1.938	END CAPPED
15.3	JP	900 x 600	4049.168	10156.537				300	250.87	252.022	1.152	GAA014: SD275 (CIRCULAR PIT LID)
15.2	JP	900 x 600	3966.904	10167.567	300	250.59	375	250.515	252.862	2.347	GAA014: SD275 (CIRCULAR PIT LID)	
					300	251.63					Line 16 Enters	
15.1A	OUTFALL		3966.638	10165.584	375	250.51			252.837	2.327	OUTLET	
16.1	JP	900 x 600	3955.01	10169.161				300	251.78	253.003	1.223	GAA014: SD275 (CIRCULAR PIT LID)
17.1	SEP	900 x 600	3955.309	10212.758				300	251.67	253.227	1.557	GAA012: SD275 (CIRCULAR PIT LID)
19.1A	PC		3917.99	10368.6				300	253.15	255.048	1.898	END CAPPED

NOTE:

- xy setout to pit centre
- setout level to pit cover level

REVISIONS				SCALE:	AS SHOWN	HUME CITY COUNCIL		PLAN NUMBER
DATE	DETAILS	AUTHORISED	DATE PRINTED:	LEVEL DATA:	DATE:	VILLAWOOD PROPERTIES P/L		36182/1
19/02/13	N AS CONSTRUCTED	ASC	19/02/2013	K:\36182\36182\LT00		TRILLIUM STAGE 1		R27
16/01/13	M LINEMARKING AMENDMENTS	ASC		DATUM:	AHD	MICKLEHAM		
12/12/12	L LINEMARKING AMENDMENTS	ASC		PROJECT No.:	36182_1	ROAD AND DRAINAGE PLANS		
30/11/12	K PAVEMENT MAKEUP AMENDMENTS	ASC		DRAWN:	C.M.H. DATE: FEB 2012	PIT SCHEDULE		REVISION N
29/11/12	J RESIDENTS CLUB AMENDMENTS	ASC		DESIGNED:	Z.W.L. DATE: FEB 2012			SHEET 27 OF 29
FILENAME k \36182\36182 \1\dgn\27_dgn				AUTHORISED:	A.S.C	DATE:	FEB 2012	





FOR CONTINUATION REFER SHEET 43

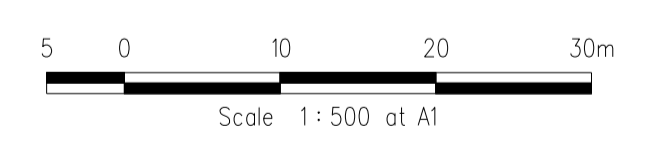
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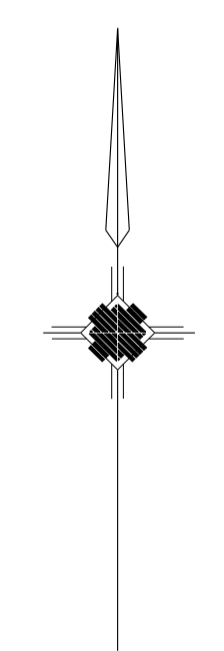
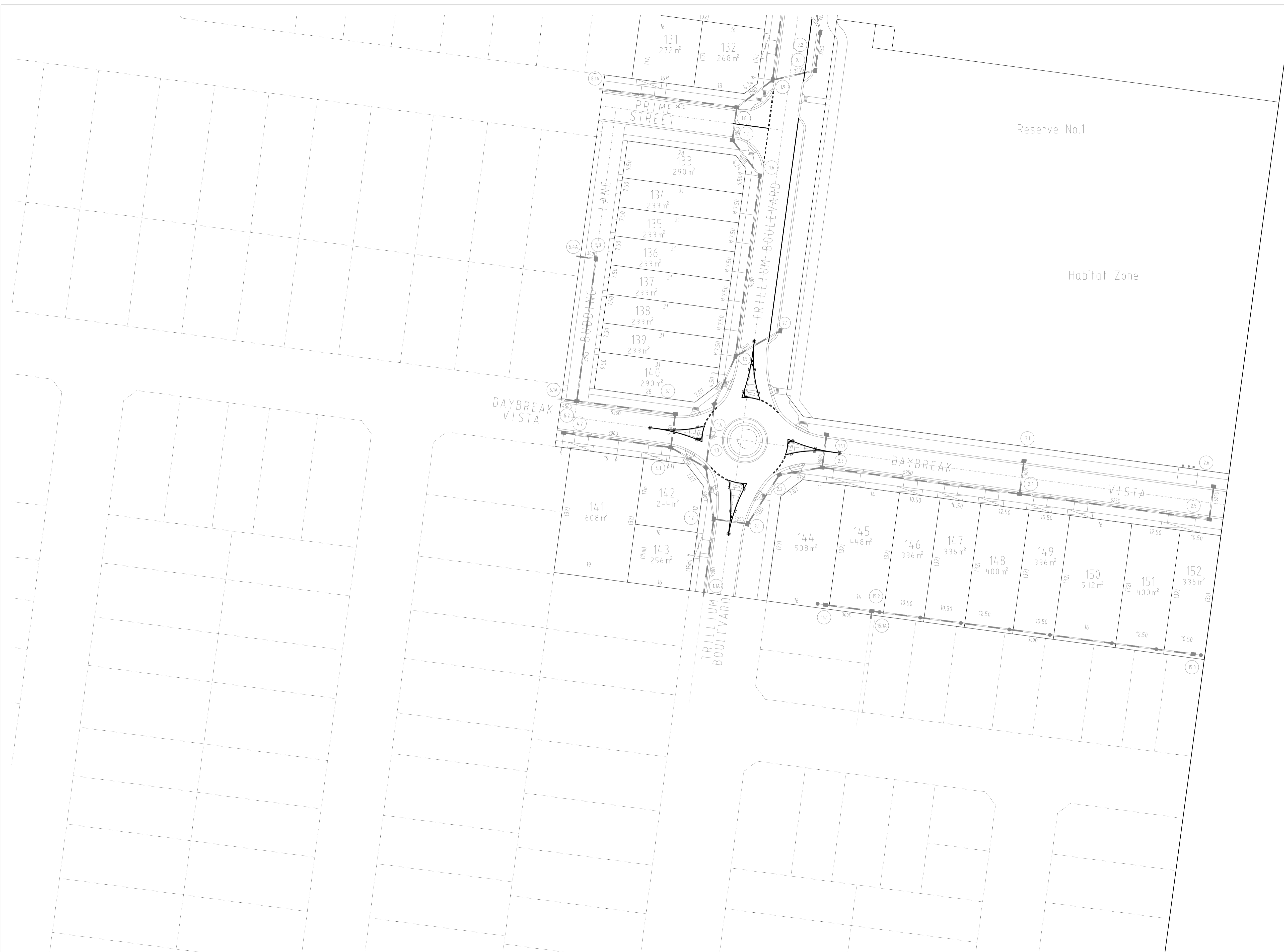
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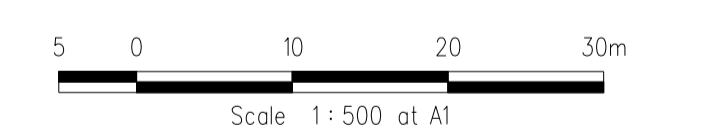
LINEMARKING PLAN



HUME CITY COUNCIL		PLAN NUMBER
VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 1 MICKLEHAM ROAD AND DRAINAGE PLANS		36182/1 R28
LINEMARKING PLAN		REVISION N
		SHEET 28 OF 29



LINEMARKING PLAN



REVISIONS				SCALE:	AS SHOWN
DATE	DETAILS	AUTHORISED		DATE PRINTED:	19/02/2013
19/02/13	N AS CONSTRUCTED	ASC	LEVEL DATA:	K:\36182\36182\LT.OPO	
16/01/13	M LINEMARKING AMENDMENTS	ASC	DATUM:	AHD	
12/12/12	L LINEMARKING AMENDMENTS	ASC	PROJECT No.:	36182_1	
30/11/12	K PAVEMENT MAKEUP AMENDMENTS	ASC	DRAWN:	C.M.H.	DATE: FEB 2012
29/11/12	J RESIDENTS CLUB AMENDMENTS	ASC	DESIGNED:	Z.W.L.	DATE: FEB 2012
FILENAME k \36182\36182 1\dgn\r29.dgn				AUTHORISED:	A.S.C DATE: FEB 2012



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VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 1 MICKLEHAM ROAD AND DRAINAGE PLANS		36182/1 R29
LINEMARKING PLAN		REVISION N
		SHEET 29 OF 29