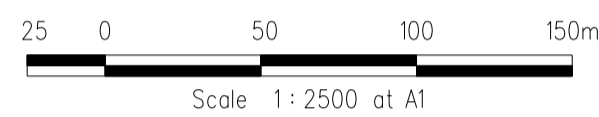


SHEET INDEX

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LOCALITY PLAN



AS CONSTRUCTED

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

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HUME CITY COUNCIL		PLAN NUMBER
VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 3B MICKLEHAM ROAD AND DRAINAGE PLANS		36182/3B R01
LOCALITY PLAN, SHEET INDEX & GENERAL NOTES		REVISION N
		SHEET 1 OF 27

HUME CITY COUNCIL NOTES

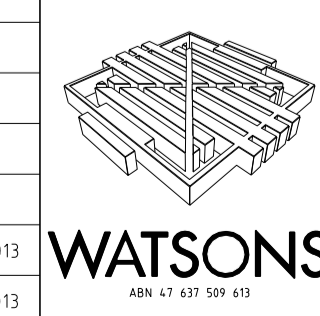
- 1 ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH HUME CITY COUNCIL STANDARD DRAWINGS, SPECIFICATIONS, APPROVED PLANS AND TO THE SATISFACTION OF THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE
- 2 COUNCIL TO BE NOTIFIED SEVEN (7) CLEAR WORKING DAYS PRIOR TO THE COMMENCEMENT OF WORKS WITH A PRECOMMENCEMENT MEETING BEING HELD BETWEEN HUME CITY COUNCIL, THE CONSULTANT AND THE CONTRACTOR BEFORE WORKS COMMENCE. A SITE MANAGEMENT PLAN IS TO BE SUBMITTED PRIOR TO COMMENCEMENT OF WORKS AND PRIOR TO AN ONSITE PRECOMMENCEMENT MEETING
- 3 PRIOR TO COMMENCEMENT OF THE WORKS, THE CONTRACTOR SHALL PROVIDE THE FOLLOWING INFORMATION  
a) SOURCE OF QUARRY MATERIAL  
b) N A T A APPROVED TESTS 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, THEN NEW TEST RESULTS SHALL BE PROVIDED
- 4 PRIOR TO COMMENCEMENT OF WORKS ON SITE, THE CONTRACTOR MUST ENSURE THAT ALL MATTERS RELATING TO THE OCCUPATIONAL HEALTH AND SAFETY ACT 1985, HAVE BEEN AND WILL BE COMPLIED WITH
- 5 ON COMMENCEMENT OF CONSTRUCTION WORKS, THE CONTRACTOR MUST COMPLY WITH THE RECOMMENDATIONS OF THE ENVIRONMENT PROTECTION AUTHORITY PUBLICATION "CONSTRUCTION TECHNIQUES FOR SEDIMENT POLLUTION CONTROL". APPROPRIATE SILTATION CONTROL IS TO BE MAINTAINED THROUGHOUT THE CONSTRUCTION AND MAINTENANCE PERIOD OF THE WORKS
- 6 THE DISPOSAL SITE FOR SPOIL REMOVAL FROM SITE AND TRUCK ROUTE IS TO BE SUBMITTED TO AND APPROVED BY THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE IN WRITING PRIOR TO THE COMMENCEMENT OF ANY WORKS
- 7 WHERE WORKS ARE IN THE VICINITY OF EXISTING SERVICES, THESE SERVICES ARE TO BE LOCATED AND EXPOSED/PROVED PRIOR TO COMMENCEMENT OF WORKS, AND THE RELEVANT AUTHORITIES NOTIFIED SEVEN (7) CLEAR DAYS PRIOR TO THE COMMENCEMENT OF THE WORKS
- 8 ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE
- 9 ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (AHD)
- 10 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
- 11 FILL AREAS TO BE STRIPPED OF TOPSOIL, FILLED AND TOPSOIL REPLACED TO OBTAIN FINAL FILL LEVELS AS 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 A S 1289 5 1 1-2003
- 12 FILLING TO COMPLY WITH A S 3798-1996 APPENDIX B, LEVEL 1 (OR 2) AS SPECIFIED
- 13 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
- 14 WHERE, AS A CONDITION OF THE PLANNING PERMIT OR AS A RESULT OF THE PRECONSTRUCTION MEETING, FENCING OF AREAS CONTAINING TREES, NATIVE GRASSES AND SHRUBS IS REQUIRED, A THREE STRAND STAR PICKET AND WIRE FENCE SHALL BE CONSTRUCTED
- 15 NO TREE OR NATIVE VEGETATION IS TO BE DISTURBED OR REMOVED WITHOUT PRIOR APPROVAL FROM COUNCIL'S SUSTAINABLE ENVIRONMENT DEPARTMENT. ANY TREES REMOVED, VEGETATION OR OTHER MATERIALS ARE NOT TO BE BURNT ON SITE
- 16 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
- 17 THE CONTRACTOR IS TO OBTAIN A BUILDING PERMIT FOR ANY STRUCTURES / FENCES AND FOR ANY RETAINING WALLS OVER 1.0m IN HEIGHT
- 18 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
- 19 ALL DISTURBED AREAS, ie, NATURESTRIPS, BATTERS, ALLOTMENTS & RESERVES, ARE TO BE REINSTATED TO A CLEAN, TIDY CONDITION, TOP DRESSED (100mm LOAMY TOP SOIL FREE OF CLUMPS, SODS AND CLAY LUMPS) AND SOWN WITH GRASS SEED. SEED IS TO BE A DROUGHT TOLERANT COUCH/FESCUE MIX UNLESS OTHERWISE DETAILED. BLEND IS GENERALLY AS FOLLOWS  
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
- 20 FOOTPATHS ARE TO BE 50mm OFFSET FROM TITLE BOUNDARIES UNLESS NOTED OTHERWISE. VEHICLE CROSSING ALIGNMENTS ARE GENERALLY TO BE PARALLEL TO THE SIDE BOUNDARY
- 21 ALL NEW CONCRETE WORKS SHALL BE JOINED INTO ABUTTING EXISTING CONCRETE WITH 450mm LONG Y20 DOWEL BARS @ 600 CENTRES, UNLESS OTHERWISE SPECIFIED
- 22 ANY EXPOSED AGGREGATE CONCRETE WORKS TO BE ACHIEVED BY SANDBLASTING ONLY. WASHING AGGREGATE OFF WITH WATER IS NOT PERMITTED

- 23 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 A S 1289 5 2 1-2003
- 24 ALL STORMWATER DRAINS ARE TO BE CLASS 2 R C OR RIGID F R C PIPES WITH ADCOL FLEXIBLE COLLARS UNLESS NOTED OTHERWISE. ALL PIPES UP TO AND INCLUDING 600mm DIA ARE TO BE RUBBER RING JOINTED. INTERLOCKING / FLUSH JOINTS WITH EXTERNAL BANDS CAN ONLY BE USED ON PIPE SIZES OVER 600mm DIA
- 25 WHERE NEW ASPHALT, CONCRETE K & C, PATHS AND DRIVEWAYS MATCH INTO EXISTING, THE EXISTING SURFACE IS TO BE SAW CUT AND MATCHED NEATLY
- 26 ALL REDUNDANT ASSETS ARE TO BE REMOVED AND DISPOSED OFF SITE
- 27 ALL TREES AND SHRUBS ARE TO BE RETAINED UNLESS OTHERWISE SHOWN OR DIRECTED BY THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE
- 28 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
- 29 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 A S 1289 5 2 1-2003
- 30 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 A S 1289 5 1 1-2003
- 31 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
- 32 ALL FIRE HYDRANTS ARE TO BE 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
- 33 AGRICULTURAL DRAINS ARE TO BE PLACED BEHIND ALL KERB AND CHANNEL, KERB ONLY AND EDGE STRIPS IN ACCORDANCE WITH COUNCIL STANDARD DRAWINGS
- 34 ALL TABLE DRAINS AND VERGES ARE TO BE REINSTATED UPON COMPLETION OF WORKS TO THE SATISFACTION OF THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE
- 35 ALL TRAFFIC CONTROL MEASURES, SIGNS AND LINEMARKING SHALL BE IN ACCORDANCE WITH A S 1742 - 1, 2 & 3. STREET NAME SIGNS ARE TO BE IN ACCORDANCE WITH STANDARD DRAWING SD408
- 36 ALL LINEMARKING PAINT SHALL BE LONG LIFE TYPE IN ACCORDANCE WITH SECTION 95C OF THE HUME CITY COUNCIL SPECIFICATIONS. LATERAL WORKS AND ARROWS BEING COLD APPLIED PLASTIC TROWELLED INTO PLACE (MATERIAL DEGADUR PLASTELINE) AND LONGITUDINAL LINES BEING EXTRUDED THERMOPLASTIC MATERIAL
- 37 ALL SIGNS TO BE CLASS 1 HIGH INTENSITY TYPE AND TO COMPLY WITH THE REQUIREMENTS OF A S 1743-2001
- 38 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 PIPES SHALL BE BACKFILLED WITH 10mm MINUS F C R TO 150mm ABOVE TOP OF PIPE IN ALL LOCATIONS
- 39 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
- 40 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 CONTRACTOR AND CONSULTANT CONTACT NAMES AND PHONE NUMBERS. ALL BLASTING IS TO BE WITHIN THE LIMITS FOR AIR AND GROUND VIBRATION LEVELS AS SET DOWN IN A S 2187 2-1993. ALL BLASTS SHALL BE MONITORED FOR AIR AND NOISE VIBRATION AT POTENTIALLY AFFECTED RESIDENCES. "FORM A" FROM AS 2187 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

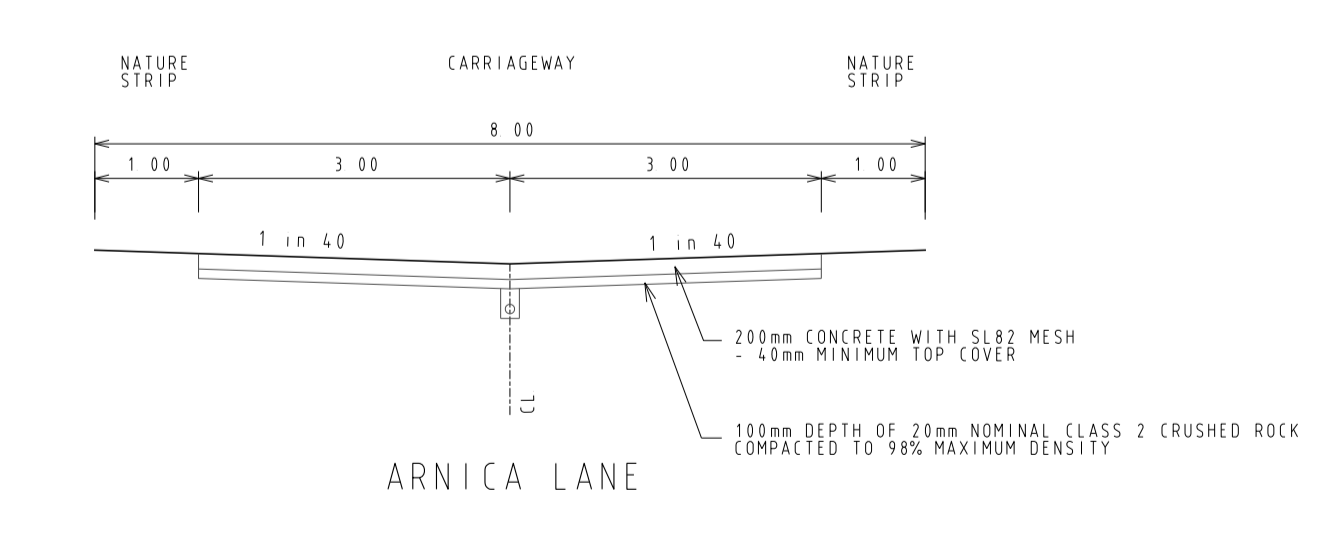
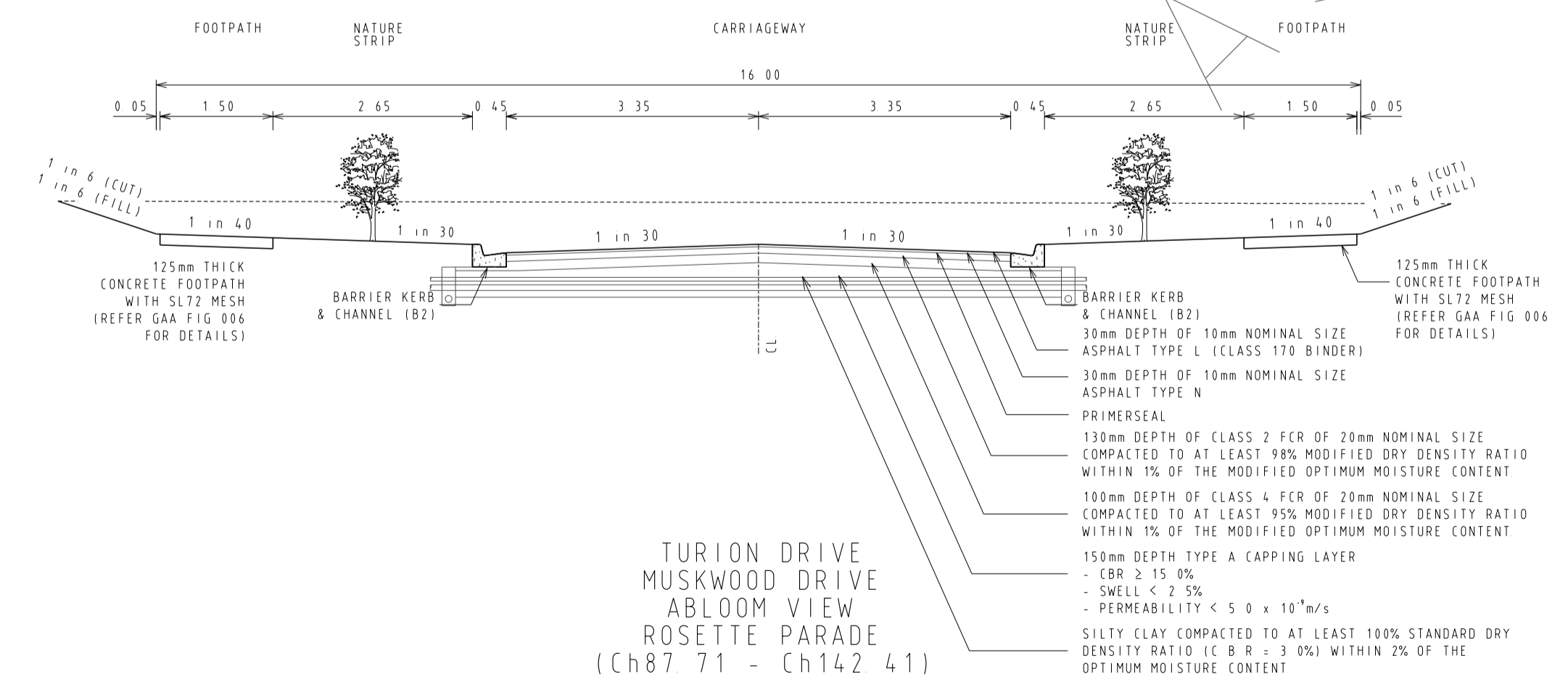
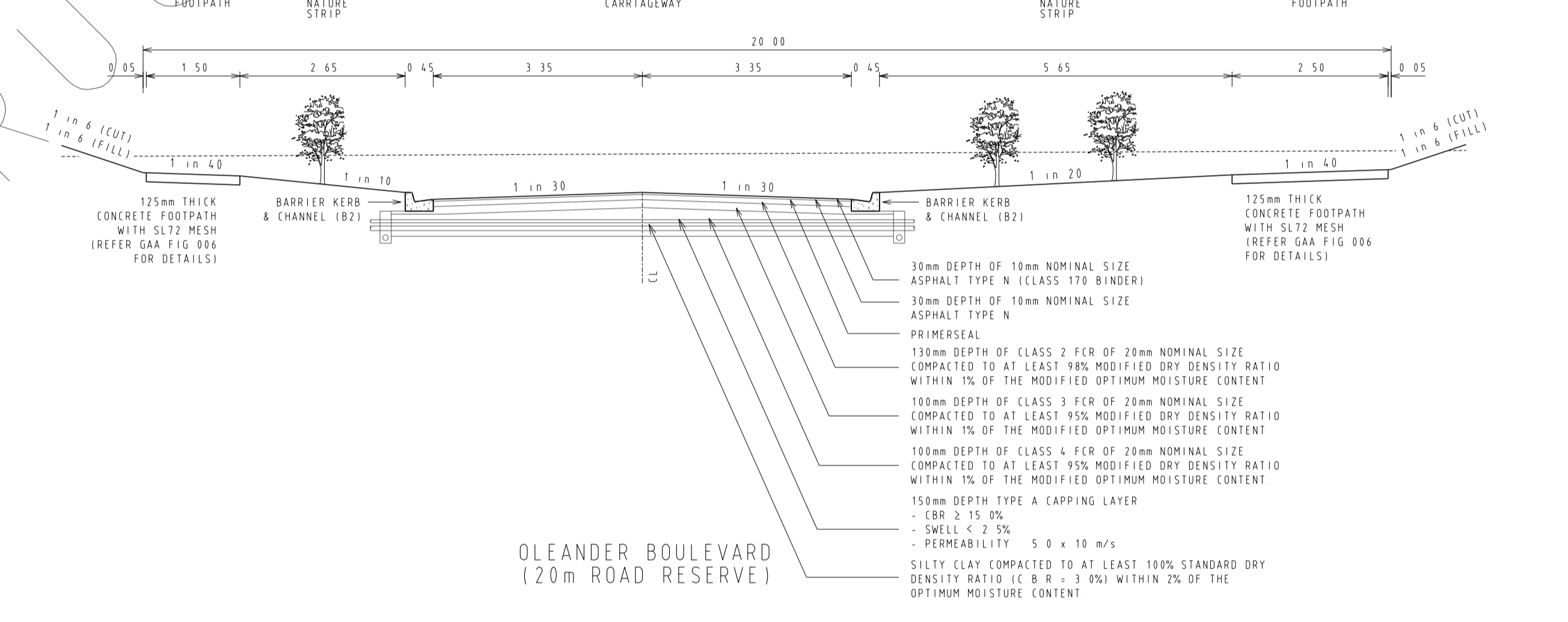
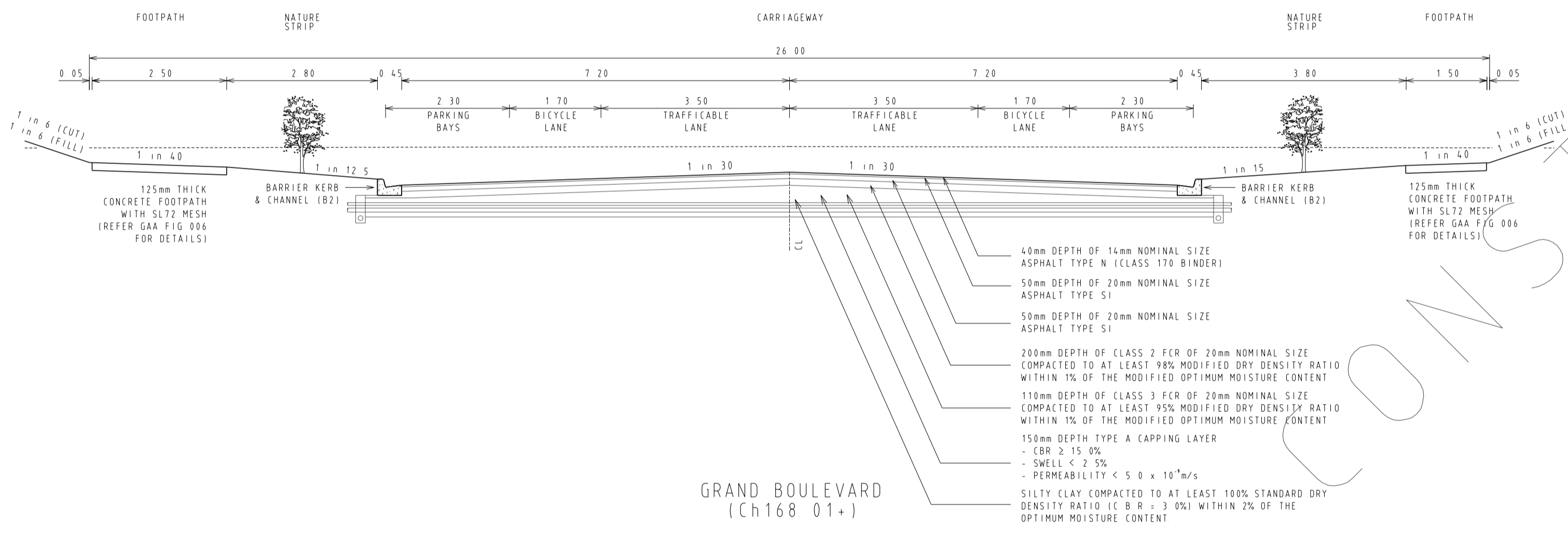
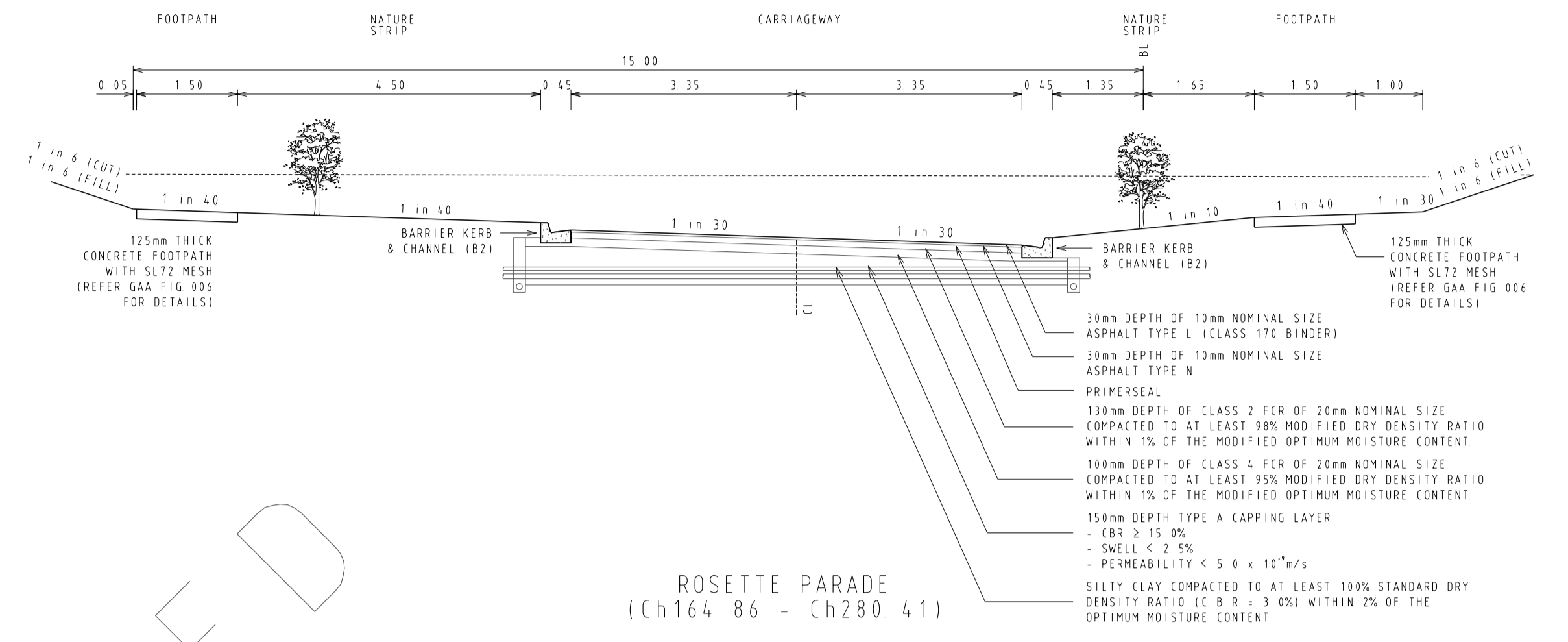
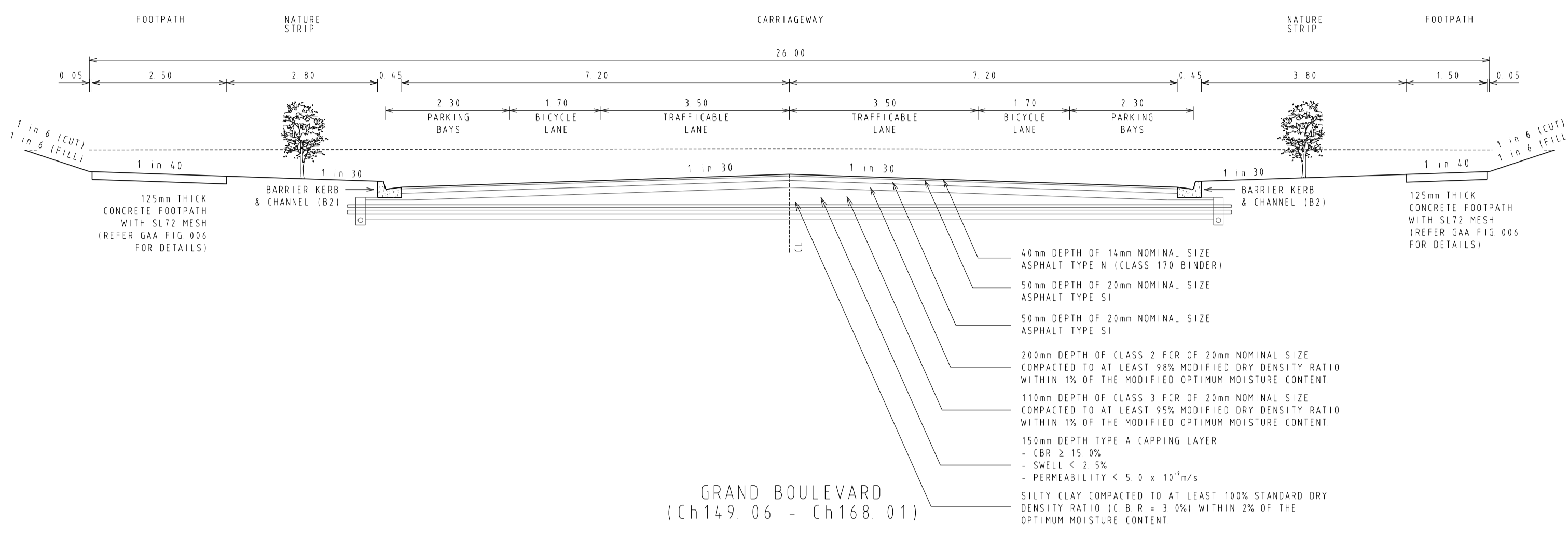
SITE SPECIFIC NOTES

- 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

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HUME CITY COUNCIL		PLAN NUMBER
VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 3B MICKLEHAM ROAD AND DRAINAGE PLANS		36182/3B R02
HUME CITY COUNCIL & SITE SPECIFIC NOTES		REVISION N
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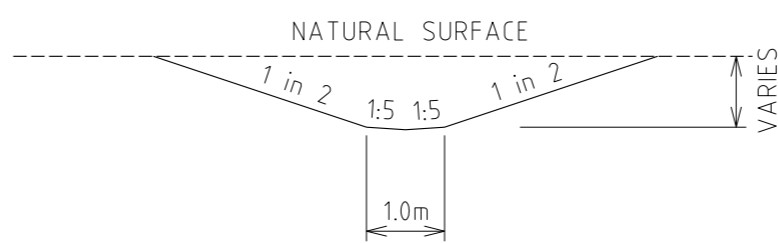
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HUME CITY COUNCIL		PLAN NUMBER
VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 3B MICKLEHAM ROAD AND DRAINAGE PLANS		36182/3B R03
TYPICAL PAVEMENT CROSS SECTIONS		REVISION N
		SHEET 3 OF 27

**SERVICE OFFSETS**

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

STREET NAME	GAS	RECYCLED WATER	WATER	ELECTRICITY	OPTIC FIBRE	SEWER
GRAND BOULEVARD	2.95 N	3.45 N	4.05 N	3.175 S	2.775 S	-
ABLOOM VIEW ROSETTE PARADE (E-W) TURION DRIVE	2.05 N	2.55 N	3.05 N	2.60 S (1.80 S ROSETTE PDE LOTS 357/359)	1.775 S (1.30 S ROSETTE PDE LOTS 357/359)	-
ROSETTE PARADE IN-SI	2.05 W	2.55 W	3.05 W	0.85 E	0.35 E	-
MUSKWOOD DRIVE	2.05 E	2.55 E	3.05 E	2.60 W	1.775 W	1.00 E&W
OLEANDER BOULEVARD	3.05 W	3.55 W	4.05 W	2.60 E	1.775 E	1.00 W
ARNICA LANE	-	-	-	-	-	2.00 E



TEMPORARY OUTFALL DRAIN  
(1 in 1000 LONGITUDINAL GRADE  
DOWNSTREAM)  
N.T.S.

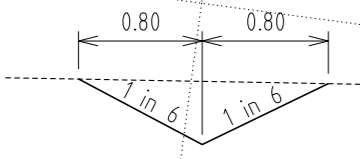
**LEGEND**

- 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

**TEMPORARY CUT OFF DRAIN  
TYPICAL SECTION**

NOT TO SCALE  
NOTE: DRAIN TO FOLLOW GRADE OF EXISTING SURFACE & SHOULD NOT BE FLATTER THAN 1 in 500.



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

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

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

TEMPORARY TURNING CIRCLE TO BE GRADED TO THE SOUTH AT A MINIMUM OF 1 IN 200. THIS IS TO BE CONSTRUCTED TO MATCH INTO EXISTING SURFACE AT THE SOUTHERN END TO ENSURE THE ROAD GRADES OUT ALLOWING FREEFLOWING SURFACE RUNOFF.

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

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

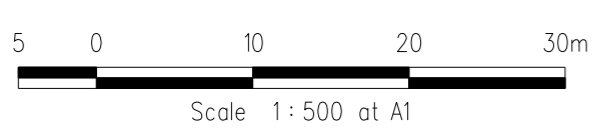
TEMPORARY TURNING CIRCLE TO BE GRADED TO THE SOUTH AT A MINIMUM OF 1 IN 200. THIS IS TO BE CONSTRUCTED TO MATCH INTO EXISTING SURFACE AT THE SOUTHERN END TO ENSURE THE ROAD GRADES OUT ALLOWING FREEFLOWING SURFACE RUNOFF.

ROCK BEACHING & TRANSITIONING ARC AS EROSION PROTECTION

FENCE TO BE INSTALLED AROUND TEMPORARY OUTFALL AND ONLINE SEDIMENT POND

ROCK BEACHING & TRANSITIONING ARC AS EROSION PROTECTION

**DETAIL PLAN**



REVISIONS			SCALE:	AS SHOWN
DATE	DETAILS	AUTHORISED	DATE PRINTED:	14/02/2014
14/02/14	N AS CONSTRUCTED	ASC	LEVEL DATA:	K\36182\36182\1\TOPO
22/01/14	M PARK PATHWAY AMENDMENTS	ASC	DATUM:	AHD
8/10/13	L DRAINAGE LINE 4 & 12 AMENDMENTS	ASC	PROJECT No.:	36182/3B
18/09/13	K COUNCIL REQUESTED AMENDMENTS	ASC	DRAWN:	C.M.B. DATE: MAY 2013
17/09/13	J COUNCIL REQUESTED AMENDMENTS	ASC	DESIGNED:	Z.W.L. DATE: MAY 2013
FILENAME k\36182\36182_3B\DGN\R04.dgn			AUTHORISED:	A.S.C. DATE: MAY 2013



MORNINGTON  
5 Main Street  
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24 93188 Mornington

MELBOURNE  
The Melbourne, Suite 2  
250 St. Kilda Road  
Melbourne, 3004  
Phone: (03) 9647 8000  
Fax: (03) 9647 8099

<b>HUME CITY COUNCIL</b>		PLAN NUMBER
<b>VILLAWOOD PROPERTIES P/L</b>		<b>36182/3B R04</b>
<b>TRILLIUM STAGE 3B MICKLEHAM ROAD AND DRAINAGE PLANS</b>		
<b>DETAIL PLAN &amp; SERVICE OFFSET TABLE</b>		REVISION <b>N</b>
		SHEET 4 OF 27

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**

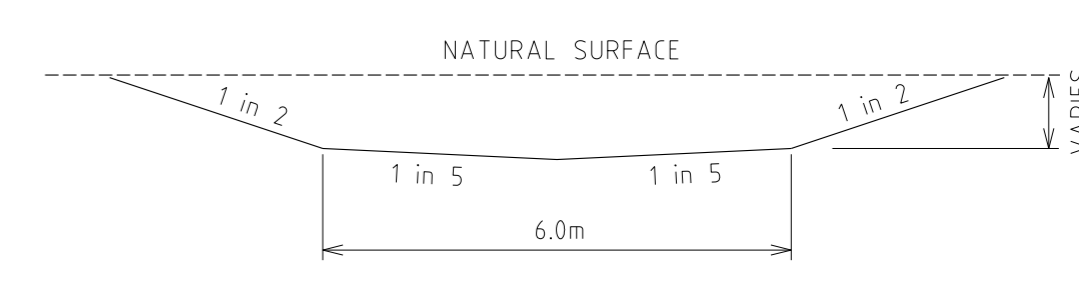
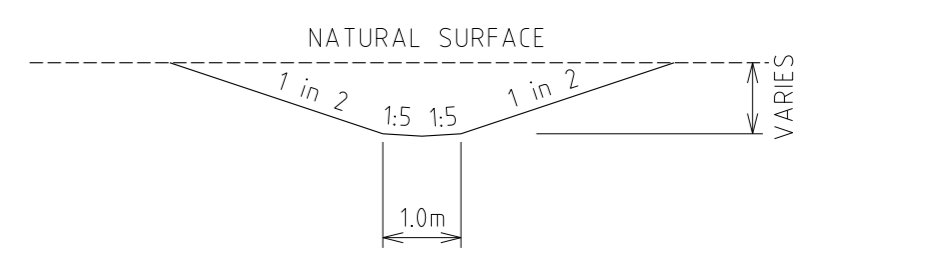
**P.S.M. or Survey Mark**

**Lot Slope Direction**

**T.B.M. with Description**

**NOTE:**

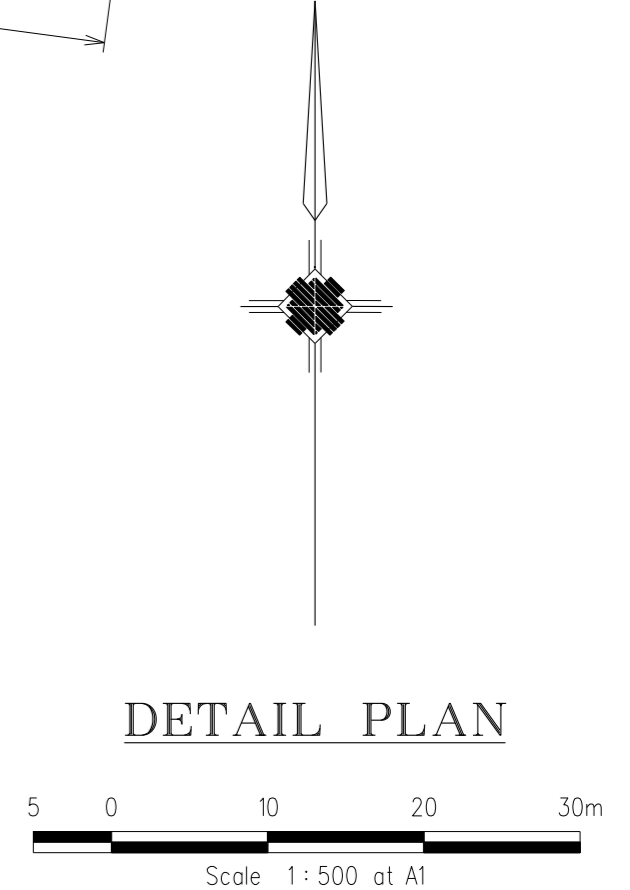
- Symbols are proposed construction (UNO)
- Existing construction shown with broken lines



HIGHLANDS ESTATE

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

STREET NAME	GAS	RECYCLED WATER	WATER	ELECTRICITY	OPTIC FIBRE	SEWER
GRAND BOULEVARD	2.95 N	3.45 N	4.05 N	3.175 S	2.775 S	-
ABLOOM VIEW ROSETTE PARADE (E-W) TURION DRIVE	2.05 N	2.55 N	3.05 N	2.60 S (1.80 S ROSETTE PDE LOTS 357/359)	1.775 S (1.30 S ROSETTE PDE LOTS 357/359)	-
ROSETTE PARADE (N-S)	2.05 W	2.55 W	3.05 W	0.85 E	0.35 E	-
MUSKWOOD DRIVE	2.05 E	2.55 E	3.05 E	2.60 W	1.775 W	1.00 E&W
OLEANDER BOULEVARD	3.05 W	3.55 W	4.05 W	2.60 E	1.775 E	1.00 W
ARNICA LANE	-	-	-	-	-	2.00 E



REVISIONS			SCALE:	AS SHOWN
DATE	DETAILS	AUTHORISED	DATE PRINTED:	14/02/2014
14/02/14	N	AS CONSTRUCTED	ASC	LEVEL DATA: K\36182\36182\1\TOPO
22/01/14	M	PARK PATHWAY AMENDMENTS	ASC	DATUM: AHD
8/10/13	L	DRAINAGE LINE 4 & 12 AMENDMENTS	ASC	PROJECT No.: 36182/3B
18/09/13	K	COUNCIL REQUESTED AMENDMENTS	ASC	DRAWN: C.M.B. DATE: MAY 2013
17/09/13	J	COUNCIL REQUESTED AMENDMENTS	ASC	DESIGNED: Z.W.L. DATE: MAY 2013
FILENAME k\36182\36182\3B\DGN\R04A.dgn			AUTHORISED: A.S.C.	DATE: MAY 2013



MORNINGTON  
5 Main Street  
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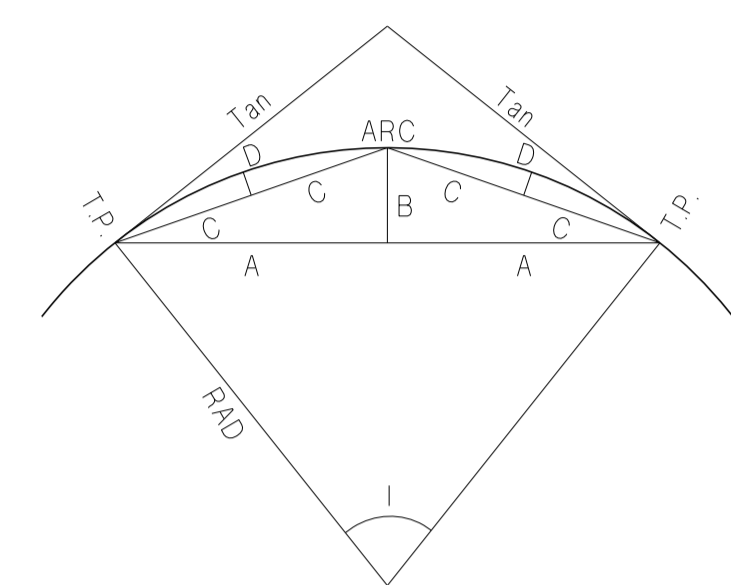
HUME CITY COUNCIL		PLAN NUMBER
VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 3B MICKLEHAM ROAD AND DRAINAGE PLANS		36182/3B R04A
DETAIL PLAN & SERVICE OFFSET TABLE		REVISION N
		SHEET 4A OF 27

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

**WARNING**  
OVERHEAD ELECTRICITY

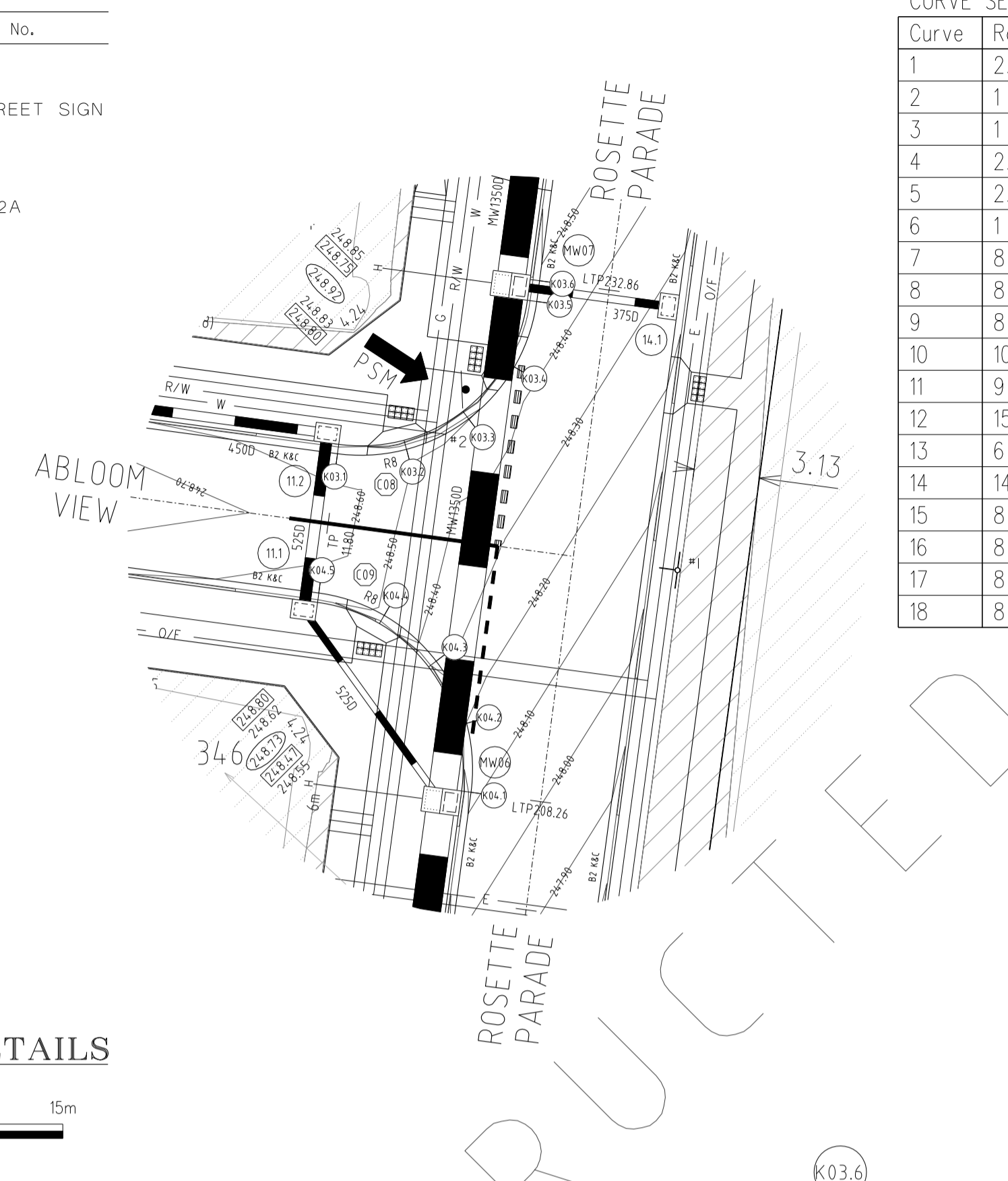
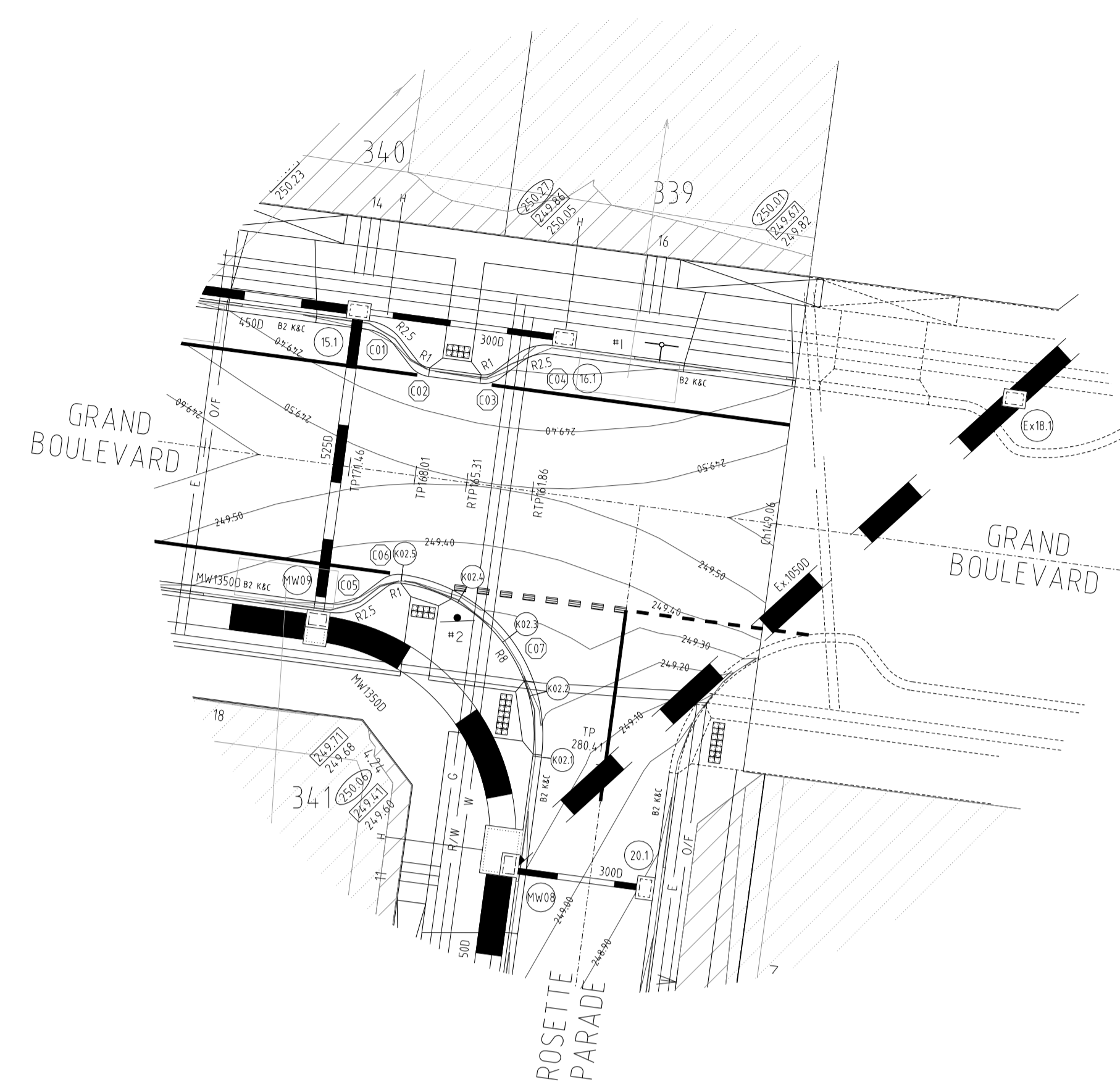
**STOP**  
Major Cables exist in the area, if your activities are within Telstra encroachment distances (see duty of care) contact 03 9632 9961 at least 2 business days before starting activity.

**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

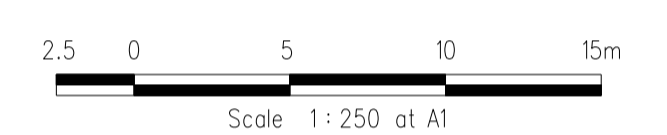


Curve	Radius	l	o	i	ii	Arc	Tan	A	B	C	D
1	2.5	44.99	44	59	19	1.963	1.04	0.96	0.19	0.49	0.05
2	1	44.98	44	58	38	0.785	0.41	0.38	0.08	0.19	0.02
3	1	44.98	44	58	38	0.785	0.41	0.38	0.08	0.19	0.02
4	2.5	44.99	44	59	19	1.963	1.04	0.96	0.19	0.49	0.05
5	2.5	44.67	44	40	4	1.949	1.03	0.95	0.19	0.48	0.05
6	1	44.98	44	58	38	0.785	0.41	0.38	0.08	0.19	0.02
7	8	90.00	89	59	51	12.566	8.00	5.66	2.34	3.06	0.61
8	8	90.00	89	59	51	12.566	8.00	5.66	2.34	3.06	0.61
9	8	90.00	89	59	51	12.566	8.00	5.66	2.34	3.06	0.61
10	10	90.00	90	0	1	15.708	10.00	7.07	2.93	3.83	0.76
11	9	90.00	89	59	56	14.137	9.00	6.36	2.64	3.44	0.69
12	15.6	30.87	30	52	12	8.405	4.31	4.15	0.56	2.09	0.14
13	6	62.98	62	58	40	6.595	3.68	3.13	0.88	1.63	0.23
14	14	32.11	32	6	52	7.847	4.03	3.87	0.55	1.96	0.14
15	8	90.00	89	59	51	12.566	8.00	5.66	2.34	3.06	0.61
16	8	90.00	89	59	51	12.566	8.00	5.66	2.34	3.06	0.61
17	8	90.00	89	59	51	12.566	8.00	5.66	2.34	3.06	0.61
18	8	90.00	89	59	51	12.566	8.00	5.66	2.34	3.06	0.61

PLAN I.D.	PICTORIAL	CODE No.
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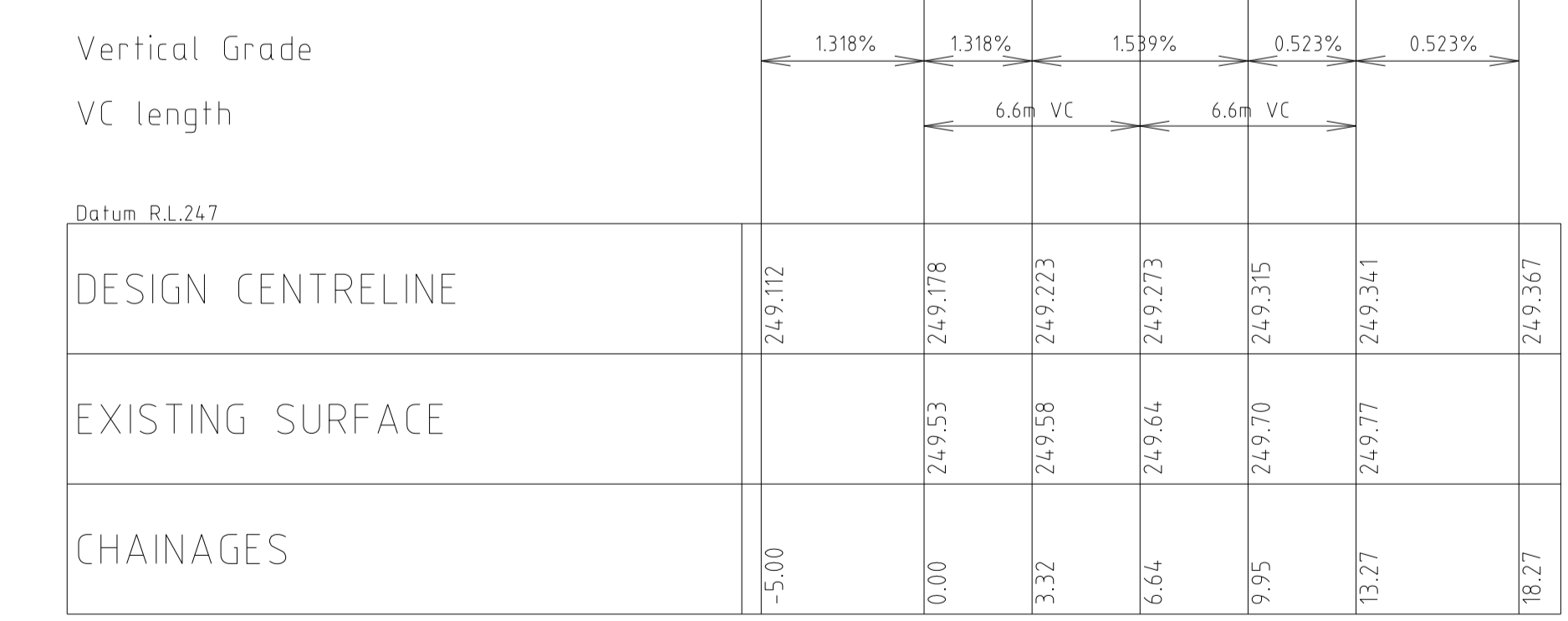
**INTERSECTION DETAILS**



**KERB RETURN K02**

POINT NO.	EASTING	NORTHING	RL
K02.1	3850.529	9853.161	249.178
K02.2	3850.321	9856.451	249.223
K02.3	3848.869	9859.412	249.273
K02.4	3846.396	9861.591	249.315
K02.5	3843.278	9862.658	249.341

NOTE: SETOUT IS TO LIP OF KERB

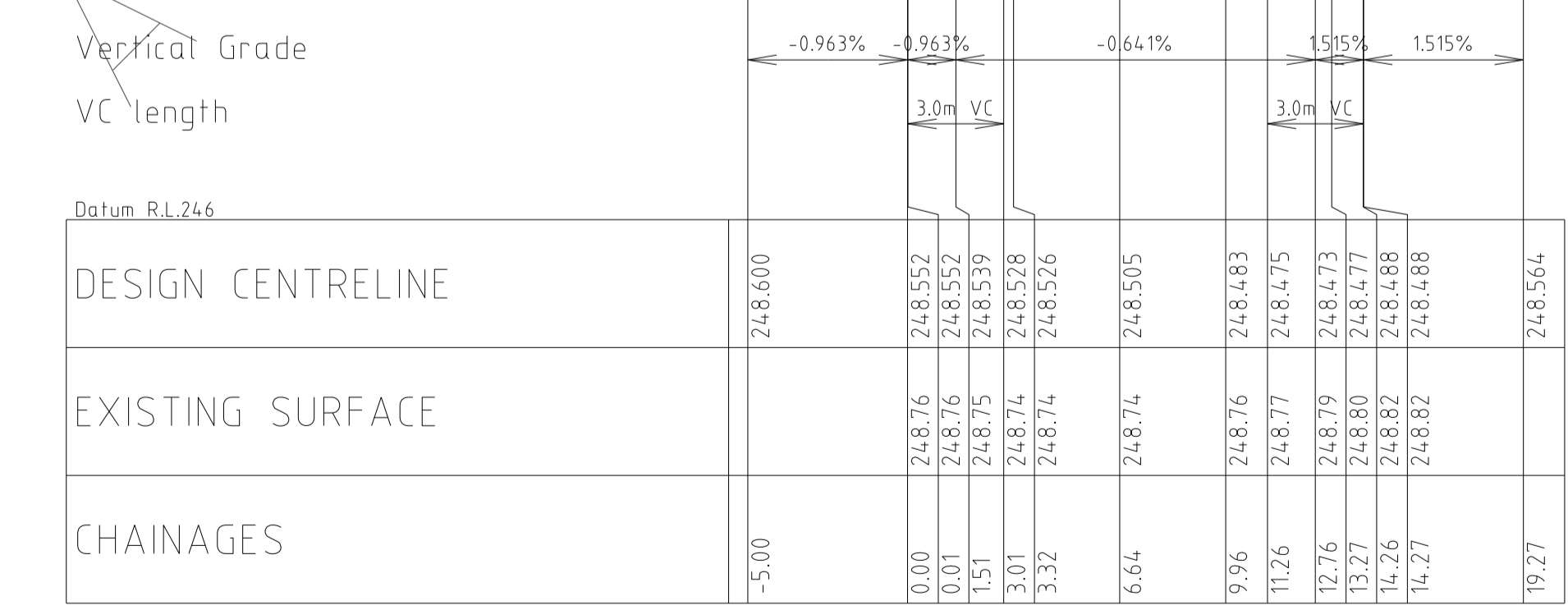


K02 LONGITUDINAL SECTION

**KERB RETURN K03**

POINT NO.	EASTING	NORTHING	RL
K03.1	3834.58	9797.789	248.552
K03.2	3837.869	9797.997	248.526
K03.3	3840.83	9799.448	248.505
K03.4	3843.01	9801.922	248.483
K03.5	3844.077	9805.041	248.477
K03.6	3844.21	9806.031	248.488

NOTE: SETOUT IS TO LIP OF KERB

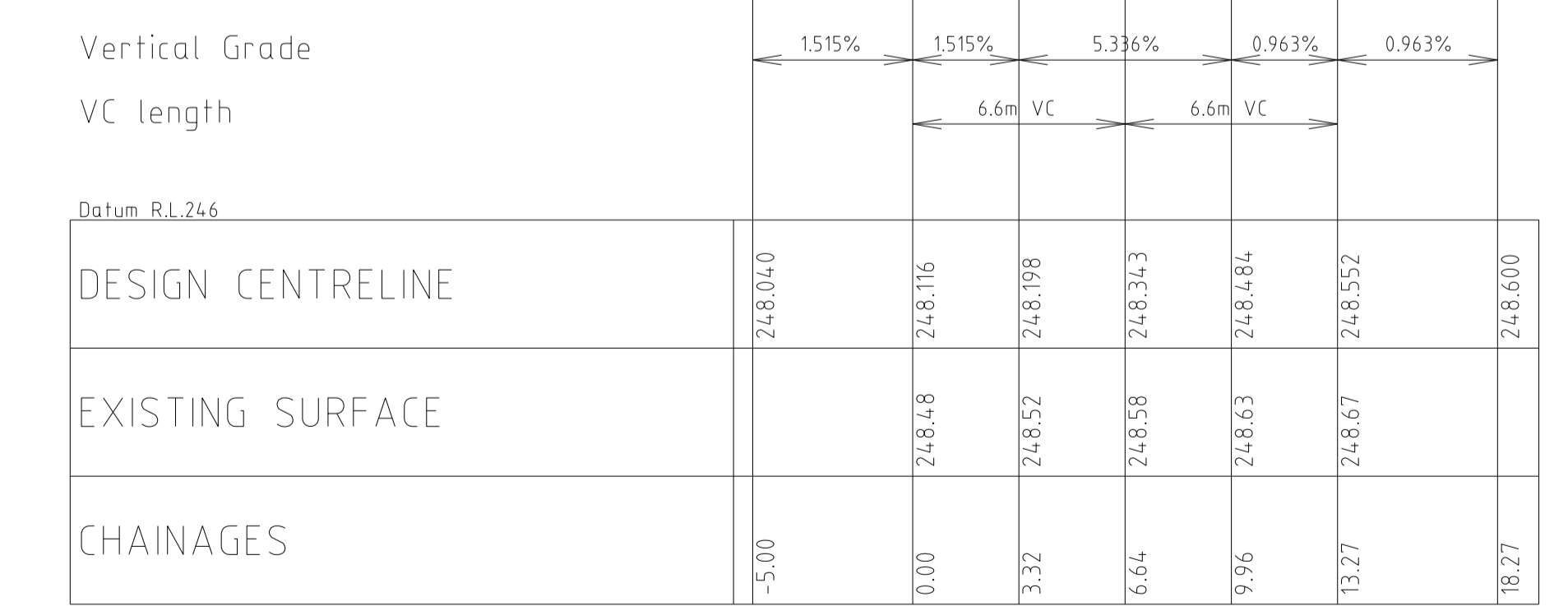


K03 LONGITUDINAL SECTION

**KERB RETURN K04**

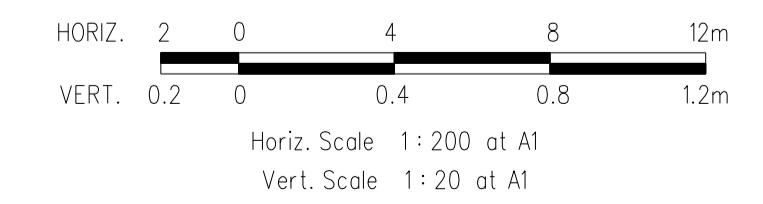
POINT NO.	EASTING	NORTHING	RL
K04.1	3840.941	9781.651	248.116
K04.2	3840.733	9784.94	248.198
K04.3	3839.282	9787.902	248.343
K04.4	3836.808	9790.081	248.484
K04.5	3833.69	9791.148	248.552

NOTE: SETOUT IS TO LIP OF KERB



K04 LONGITUDINAL SECTION

**LONGITUDINAL SECTIONS**



REVISIONS			SCALE:	AS SHOWN
DATE	DETAILS	AUTHORISED	DATE PRINTED:	14/02/2014
14/02/14	N AS CONSTRUCTED	ASC	LEVEL DATA:	K:\36182\36182\LT00
22/01/14	M PARK PATHWAY AMENDMENTS	ASC	DATUM:	AHD
8/10/13	L DRAINAGE LINE 4 & 12 AMENDMENTS	ASC	PROJECT No.:	36182/3B
18/09/13	K COUNCIL REQUESTED AMENDMENTS	ASC	DRAWN:	C.M.B DATE: MAY 2013
17/09/13	J COUNCIL REQUESTED AMENDMENTS	ASC	DESIGNED:	Z.W.L DATE: MAY 2013
FILENAME k \36182\36182 3b\dgn\r05.dgn			AUTHORISED:	A.S.C DATE: MAY 2013

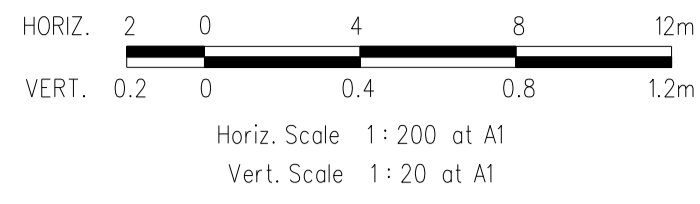


MORNINGTON  
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HUME CITY COUNCIL		PLAN NUMBER
VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 3B MICKLEHAM ROAD AND DRAINAGE PLANS		36182/3B R05
INTERSECTION DETAILS, LIP OF KERB PROFILES & CURVE SETOUT TABLE		REVISION N
		SHEET 5 OF 27

**LONGITUDINAL SECTIONS**



**KERB RETURN K05**

POINT NO	EASTING	NORTHING	RL
K05.1	3821.446	9729.932	247.542
K05.2	3824.419	9729.534	247.519
K05.3	3828.099	9729.766	247.499
K05.4	3831.411	9731.389	247.479
K05.5	3833.847	9734.155	247.459
K05.6	3835.041	9737.644	247.443
K05.7	3835.306	9739.625	247.462

NOTE: SETOUT IS TO LIP OF KERB

Vertical Grade  
VC length

DESIGN CENTRELINE	EXISTING SURFACE	CHAINAGES
247.591		-5.00
247.542	247.99	0.00
247.541	247.99	0.02
247.528	247.97	1.52
247.519	247.95	3.00
247.519	247.95	3.02
247.499	247.91	6.71
247.479	247.90	10.42
247.459	247.91	14.13
247.445	247.94	16.81
247.443	247.95	17.84
247.445	247.96	18.31
247.462	247.98	19.81
247.462	247.98	19.84
247.546		24.84

K05 LONGITUDINAL SECTION

**KERB RETURN K06**

POINT NO	EASTING	NORTHING	RL
K06.1	3846.04	9719.875	246.892
K06.2	3842.397	9720.897	246.961
K06.3	3839.178	9722.886	247.066
K06.4	3835.98	9724.311	247.196
K06.5	3832.509	9723.854	247.33
K06.6	3828.589	9722.766	247.44
K06.7	3824.52	9722.76	247.503

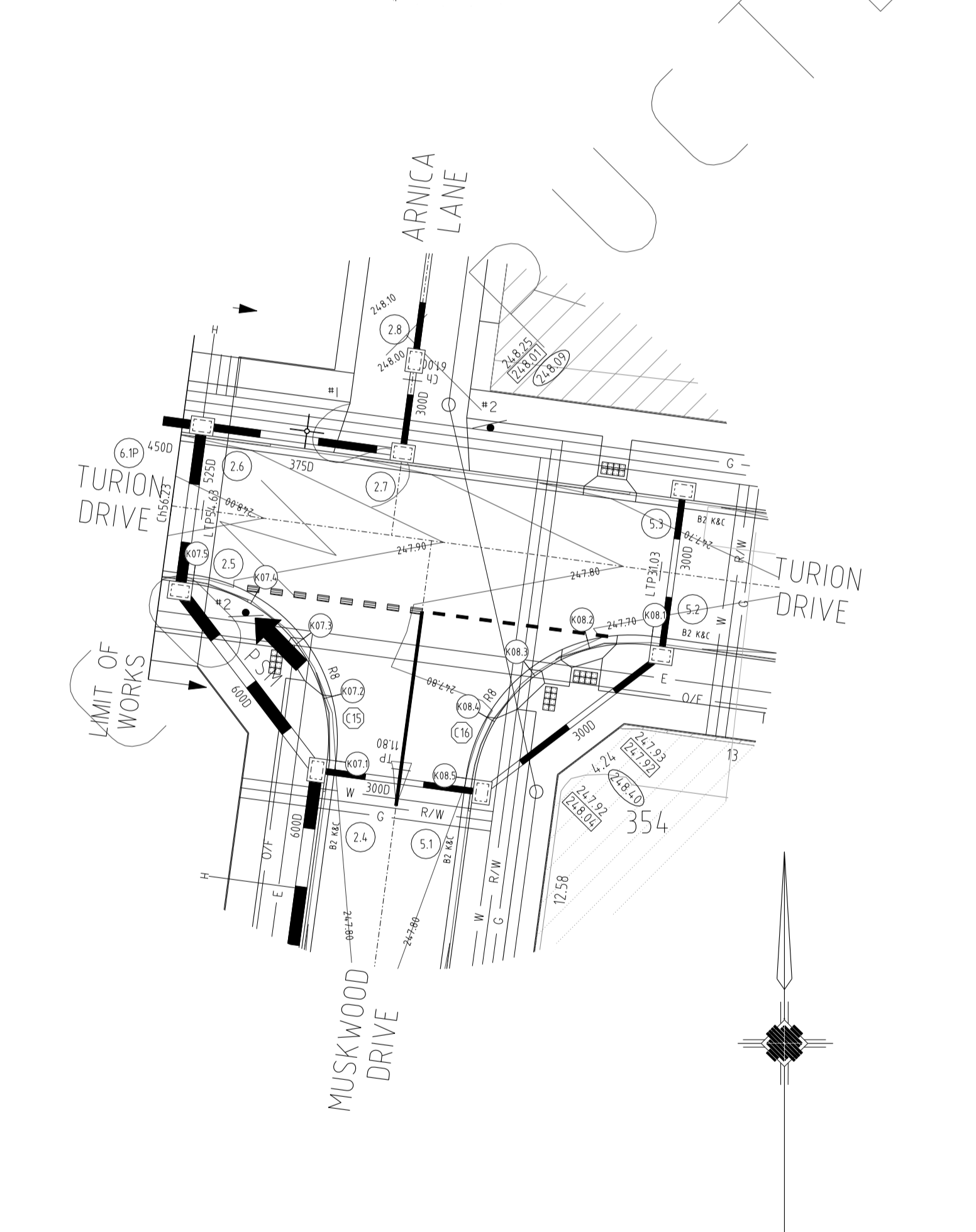
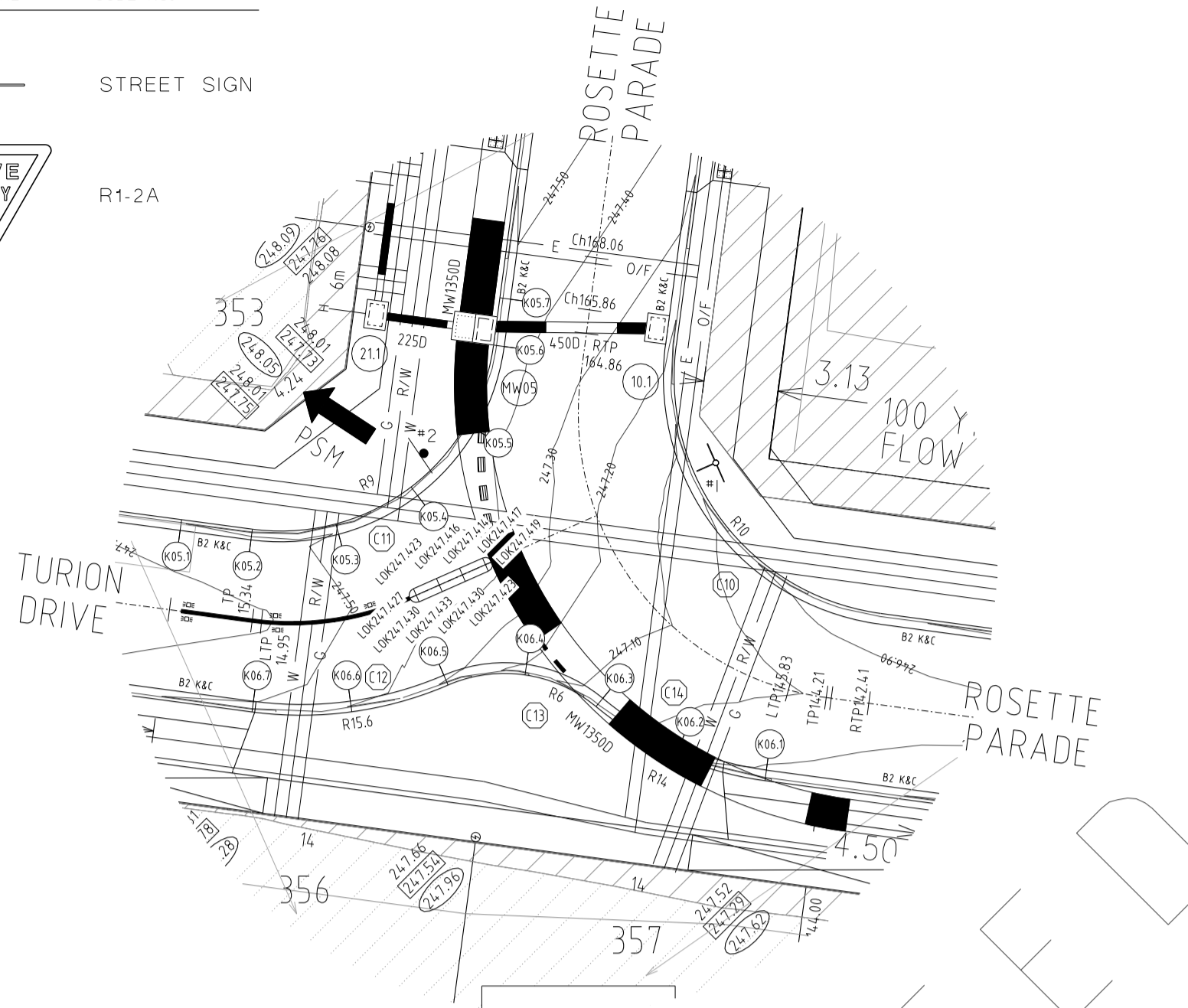
NOTE: SETOUT IS TO LIP OF KERB

Vertical Grade  
VC length

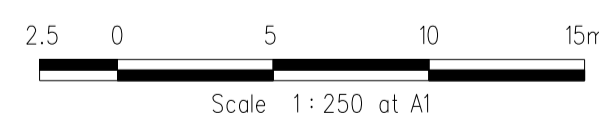
DESIGN CENTRELINE	EXISTING SURFACE	CHAINAGES
246.825		-5.00
246.892	247.60	0.00
246.961	247.64	3.80
247.009	247.67	5.71
247.066	247.70	7.59
247.196	247.75	11.14
247.208	247.75	11.42
247.330	247.78	14.68
247.402	247.79	17.13
247.440	247.81	18.77
247.503	247.84	22.85
247.552		27.85

K06 LONGITUDINAL SECTION

PLAN I.D. PICTORIAL CODE No.



**INTERSECTION DETAILS**



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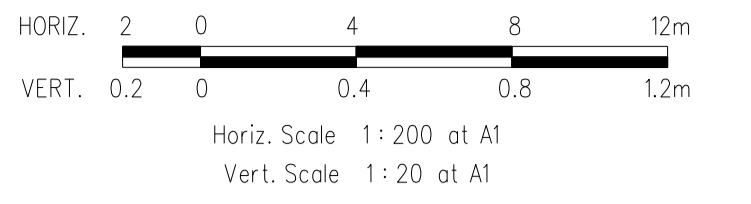
**WARNING**  
OVERHEAD ELECTRICITY



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.

**WARNING**  
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**LONGITUDINAL SECTIONS**



**KERB RETURN K07**

POINT NO	EASTING	NORTHING	RL
K07.1	3792.338	9718.55	247.802
K07.2	3792.13	9721.839	247.828
K07.3	3790.679	9724.801	247.856
K07.4	3788.205	9726.98	247.888
K07.5	3785.087	9728.047	247.922

NOTE: SETOUT IS TO LIP OF KERB

Vertical Grade  
VC length

DESIGN CENTRELINE	EXISTING SURFACE	CHAINAGES
247.765		-5.00
247.802	248.05	0.00
247.828	248.09	3.32
247.856	248.15	6.64
247.888	248.20	9.95
247.922	248.24	13.27
247.976		18.27

K07 LONGITUDINAL SECTION

**KERB RETURN K08**

POINT NO	EASTING	NORTHING	RL
K08.1	3808.475	9724.911	247.668
K08.2	3805.186	9724.703	247.71
K08.3	3802.225	9723.252	247.765
K08.4	3800.045	9720.778	247.805
K08.5	3798.978	9717.66	247.802

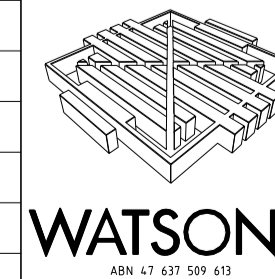
NOTE: SETOUT IS TO LIP OF KERB

Vertical Grade  
VC length

DESIGN CENTRELINE	EXISTING SURFACE	CHAINAGES
247.614		-5.00
247.667	248.00	0.00
247.710	248.01	3.32
247.765	248.01	6.64
247.805	248.00	9.95
247.802	247.97	13.27
247.765		18.27

K08 LONGITUDINAL SECTION

DATE	REVISIONS	DETAILS	AUTHORISED	SCALE:	AS SHOWN
14/02/14	N	AS CONSTRUCTED	ASC	DATE PRINTED:	14/02/2014
22/01/14	M	PARK PATHWAY AMENDMENTS	ASC	LEVEL DATA:	K:\36182\36182\LT0PO
18/09/13	K	COUNCIL REQUESTED AMENDMENTS	ASC	DATUM:	AHD
17/09/13	J	COUNCIL REQUESTED AMENDMENTS	ASC	PROJECT No.:	36182/3B
				DRAWN:	C.M.B DATE: MAY 2013
				DESIGNED:	Z.W.L DATE: MAY 2013
				AUTHORISED:	A.S.C DATE: MAY 2013



MORNINGTON  
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Fax: (03) 9697 8099

**HUME CITY COUNCIL**  
VILLAWOOD PROPERTIES P/L  
TRILLIUM STAGE 3B  
MICKLEHAM  
ROAD AND DRAINAGE PLANS

PLAN NUMBER  
36182/3B  
R06

**INTERSECTION DETAILS  
& LIP OF KERB PROFILES**

REVISION  
N  
SHEET 6 OF 27

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

**WARNING**  
OVERHEAD ELECTRICITY



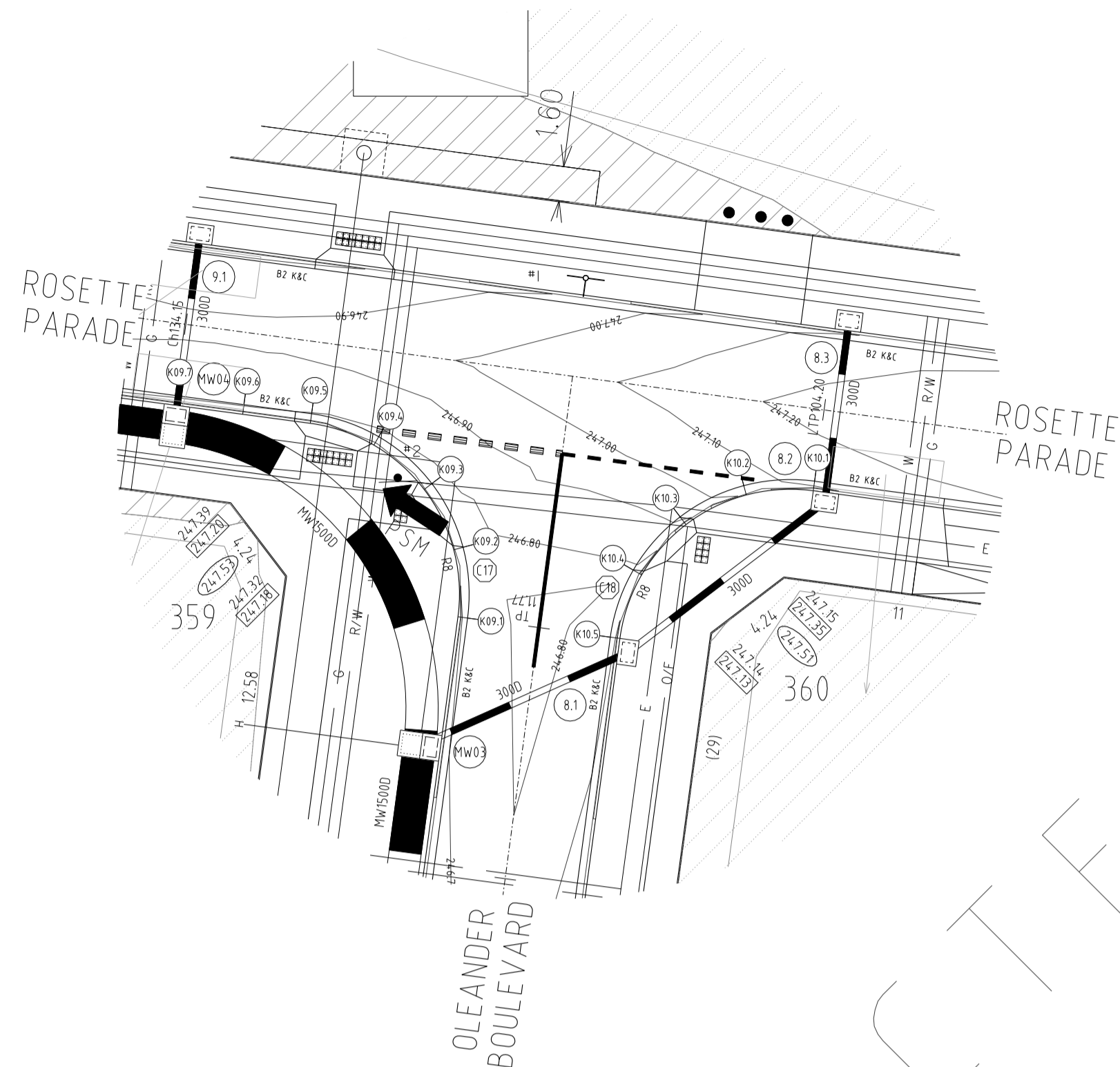
Major Cables exist in the area, if your activities are within Telstra encroachment distances (see duty of care) contact 03 9632 9961 at least 2 business days before starting activity.

**WARNING**

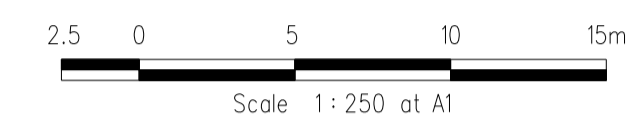
BEWARE OF UNDERGROUND SERVICES

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

PLAN I.D.	PICTORIAL	CODE No.
*1		STREET SIGN
*2		R1-2A



**INTERSECTION DETAILS**



**KERB RETURN K09**

POINT NO	EASTING	NORTHING	RL
K09.1	3871.628	9707.919	246.732
K09.2	3871.42	9711.209	246.749
K09.3	3869.969	9714.17	246.766
K09.4	3867.495	9716.349	246.783
K09.5	3864.376	9717.416	246.798
K09.6	3861.229	9717.838	246.807
K09.7	3858.084	9718.26	246.813

NOTE: SETOUT IS TO LIP OF KERB

Vertical Grade

VC length

Datum RL 245

	246.707	246.732	246.749	246.757	246.766	246.782	246.783	246.798	246.803	246.807	246.813	246.818
DESIGN CENTRELINE												
EXISTING SURFACE		247.23	247.28	247.31	247.34	247.38	247.39	247.42	247.44	247.45	247.48	247.51
CHAINAGES	-5.00	0.00	3.32	4.91	6.64	9.81	9.96	13.27	14.72	16.45	19.62	24.62

K09 LONGITUDINAL SECTION

**KERB RETURN K10**

POINT NO	EASTING	NORTHING	RL
K10.1	3887.766	9714.28	247.129
K10.2	3884.477	9714.073	247.058
K10.3	3881.515	9712.621	246.92
K10.4	3879.336	9710.148	246.788
K10.5	3878.269	9707.029	246.732

NOTE: SETOUT IS TO LIP OF KERB

Vertical Grade

VC length

Datum RL 245

	247.186	247.129	247.058	246.920	246.788	246.732	246.707
DESIGN CENTRELINE							
EXISTING SURFACE		247.20	247.23	247.23	247.21	247.18	247.17
CHAINAGES	-5.00	0.00	3.32	6.64	9.95	13.27	18.27

K10 LONGITUDINAL SECTION

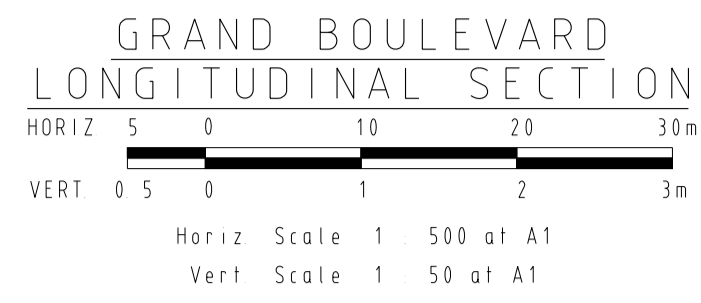
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14/02/14	N	AS CONSTRUCTED	ASC	LEVEL DATA: K:\36182\36182\LT00
22/01/14	M	PARK PATHWAY AMENDMENTS	ASC	DATUM: AHD
07/10/13	L	DRAINAGE LINE 4 & 12 AMENDMENTS	ASC	PROJECT No.: 36182/3B
18/09/13	K	COUNCIL REQUESTED AMENDMENTS	ASC	DRAWN: C.M.B DATE: MAY 2013
17/09/13	J	COUNCIL REQUESTED AMENDMENTS	ASC	DESIGNED: Z.W.L DATE: MAY 2013
FILENAME k:\36182\36182\3b\dgn\r07.dgn			AUTHORISED:	A.S.C DATE: MAY 2013

**WATSONS**  
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<b>HUME CITY COUNCIL</b>		PLAN NUMBER
VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 3B MICKLEHAM ROAD AND DRAINAGE PLANS		36182/3B R07
<b>INTERSECTION DETAILS &amp; LIP OF KERB PROFILES</b>		REVISION <b>N</b>
		SHEET 7 OF 27

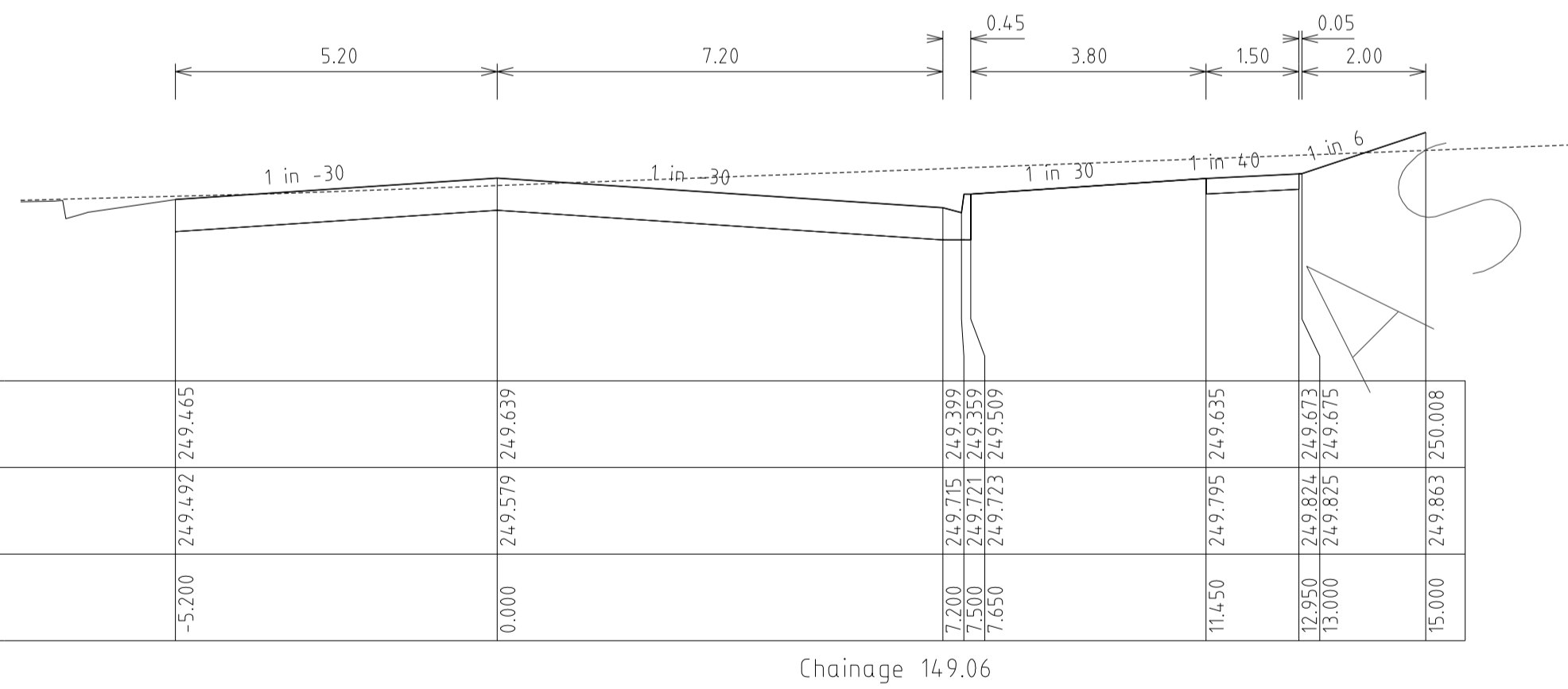




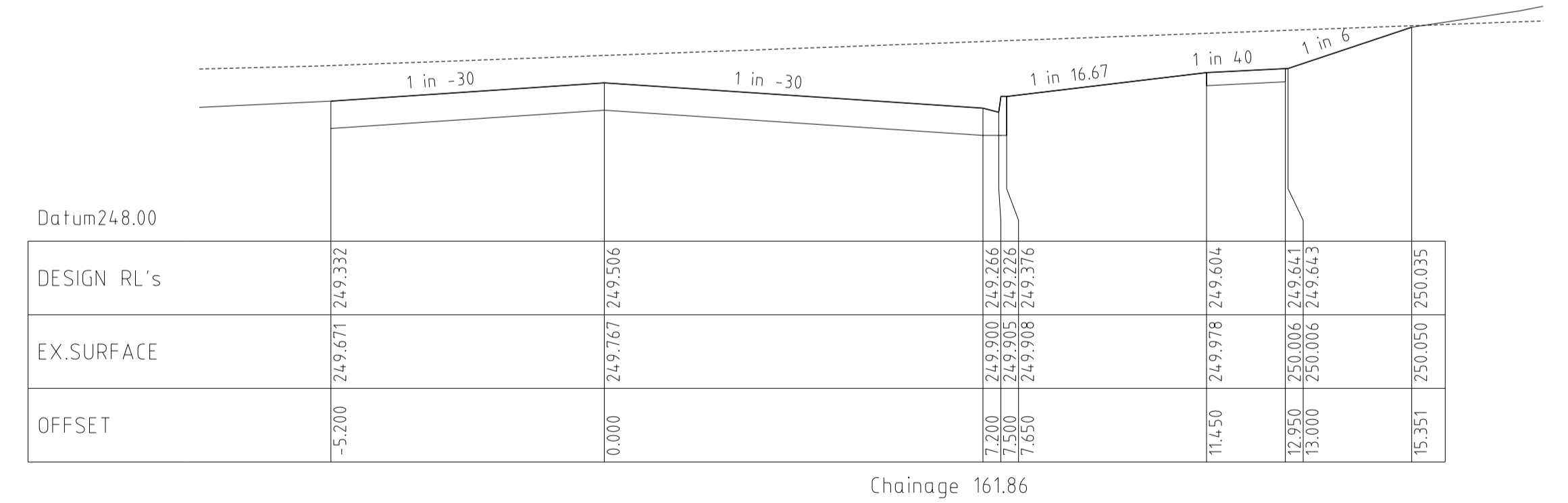
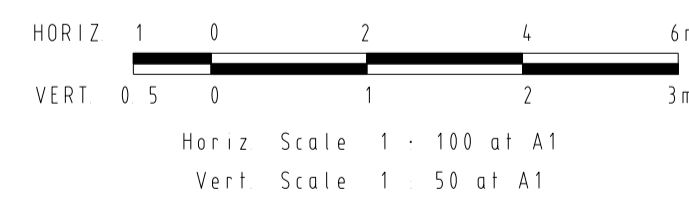
Horizontal Geometry  
Vertical Grade  
VC length

Datum RL 243

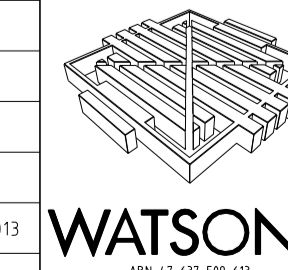
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47.70	248.46	248.540
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49.70	248.47	248.574
51.80	248.49	248.610
52.40	248.49	248.621
53.43	248.50	248.638
54.40	248.51	248.655
55.85	248.52	248.680
60.00	248.55	248.751
62.88	248.58	248.801
64.11	248.59	248.822
80.00	248.83	249.095
87.71	248.97	249.278
88.74	248.98	249.246
89.71	249.00	249.263
91.16	249.03	249.288
98.13	249.11	249.407
100.00	249.13	249.440
109.15	249.20	249.597
110.60	249.21	249.622
111.57	249.21	249.639
112.60	249.22	249.656
113.20	249.23	249.667
116.30	249.25	249.720
116.95	249.26	249.731
117.33	249.26	249.738
118.30	249.27	249.753
119.75	249.28	249.775
120.00	249.28	249.778
130.60	249.38	249.849
131.95	249.40	249.848
136.80	249.45	249.824
137.83	249.46	249.816
138.80	249.47	249.806
140.00	249.48	249.793
140.25	249.48	249.790
140.96	249.49	249.781
142.43	249.51	249.761
142.39	249.52	249.746
144.41	249.53	249.728
146.95	249.56	249.680
147.23	249.56	249.674
149.06	249.58	249.639
160.00	249.74	249.572
161.86	249.77	249.506
162.23	249.77	249.505
163.81	249.80	249.503
165.31	249.82	249.505
168.01	249.86	249.514
171.45	249.91	249.540
171.46	249.91	249.540
177.23	249.99	249.615
177.32	249.99	249.617
179.06	250.01	249.646
180.00	250.02	249.651
187.06	250.10	249.768
200.00	250.27	249.935
202.32	250.30	249.961
220.00	250.50	250.116
227.32	250.59	250.159
240.00	250.71	250.223
260.00	250.80	250.323
280.00	250.90	250.423
300.00	250.91	250.523



**GRAND BOULEVARD  
CROSS SECTIONS**



REVISIONS			SCALE:	AS SHOWN
DATE	DETAILS	AUTHORISED	DATE PRINTED:	14/02/2014
14/02/14	N	AS CONSTRUCTED	ASC	LEVEL DATA: K:\36182\36182\LT00
22/01/14	M	PARK PATHWAY AMENDMENTS	ASC	DATUM: AHD
8/10/13	L	DRAINAGE LINE 4 & 12 AMENDMENTS	ASC	PROJECT No.: 36182/3B
18/09/13	K	COUNCIL REQUESTED AMENDMENTS	ASC	DRAWN: C.M.B. DATE: MAY 2013
17/09/13	J	COUNCIL REQUESTED AMENDMENTS	ASC	DESIGNED: Z.W.L. DATE: MAY 2013
FILENAME k:\36182\36182\3b\dgn\r08.dgn			AUTHORISED:	A.S.C. DATE: MAY 2013



MORNINGTON  
15 Main Street,  
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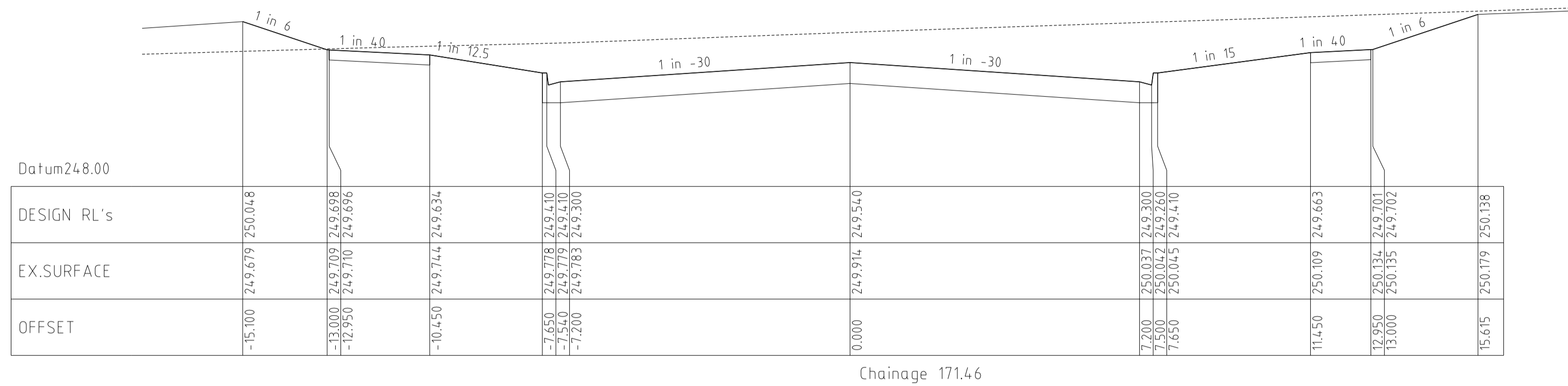
MELBOURNE  
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HUME CITY COUNCIL  
VILLAWOOD PROPERTIES P/L  
TRILLIUM STAGE 3B  
MICKLEHAM  
ROAD AND DRAINAGE PLANS

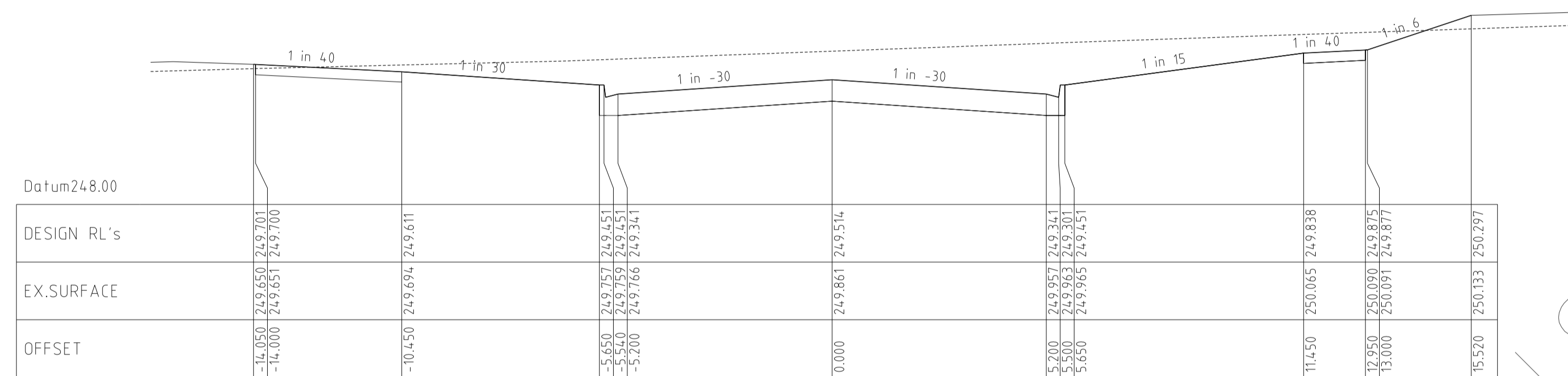
PLAN NUMBER  
36182/3B  
R08

GRAND BOULEVARD  
LONGITUDINAL & CROSS SECTIONS

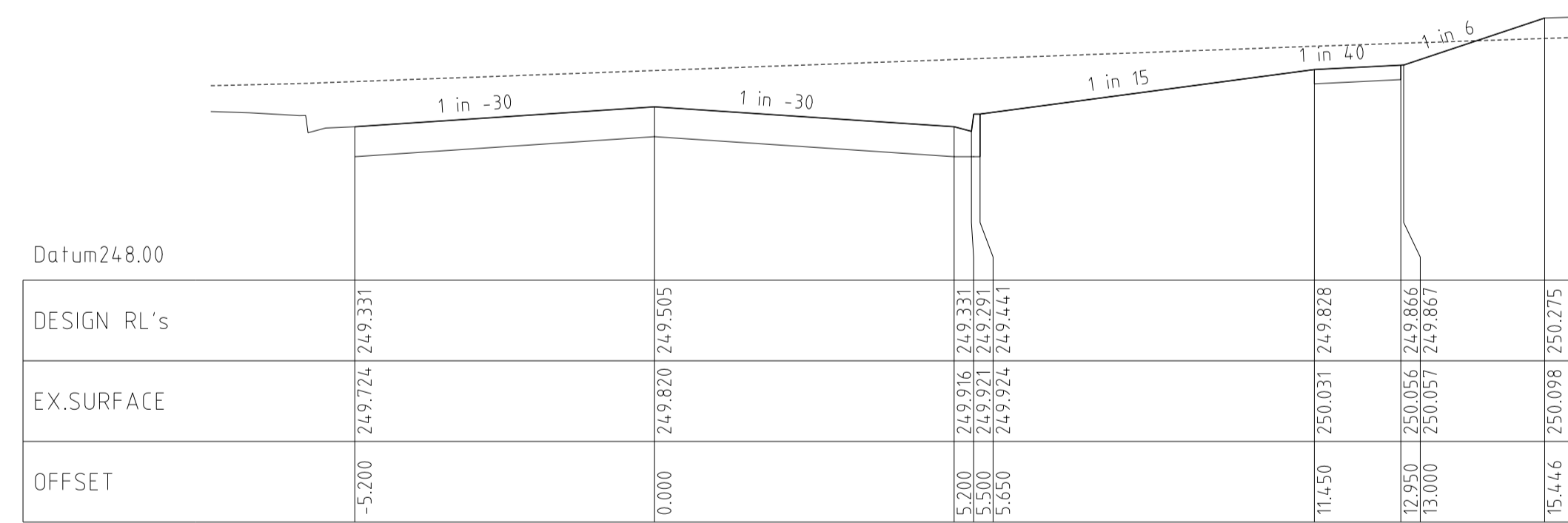
REVISION N  
SHEET 8 OF 27



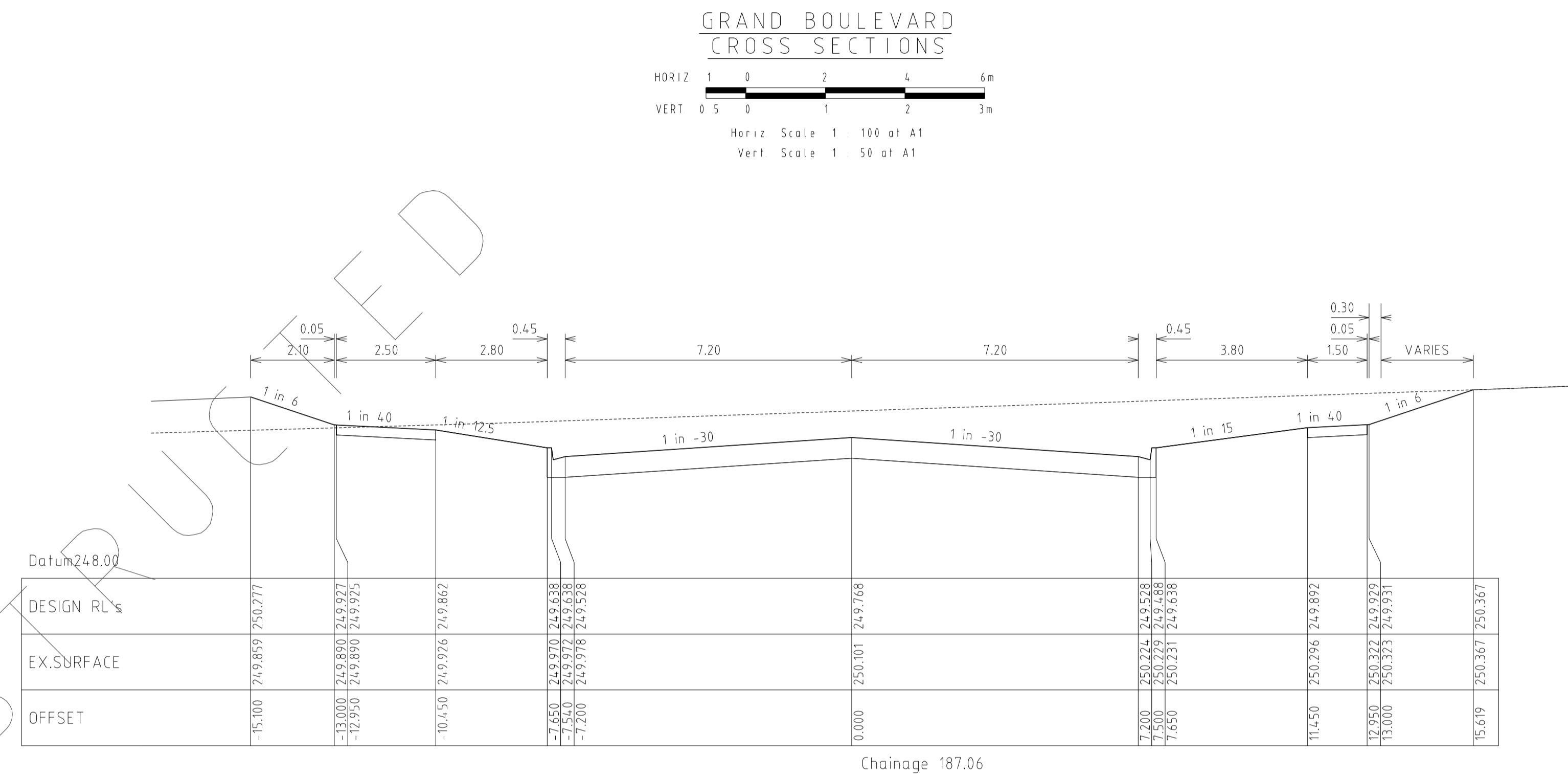
Chainage 171.46



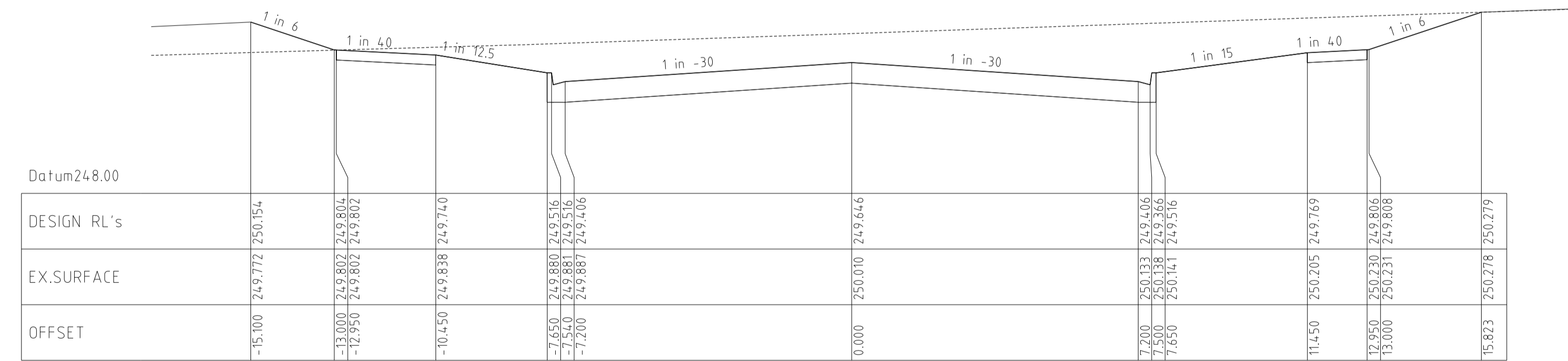
Chainage 168.01



Chainage 165.31

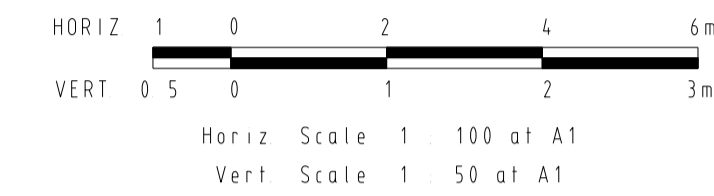


Chainage 187.06

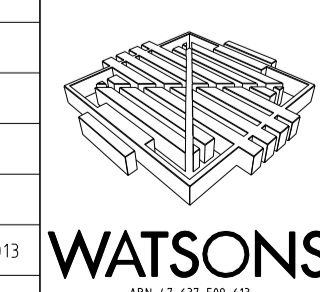


Chainage 179.06

GRAND BOULEVARD  
CROSS SECTIONS



REVISIONS			SCALE:	AS SHOWN
DATE	DETAILS	AUTHORISED	DATE PRINTED:	14/02/2014
14/02/14	N	AS CONSTRUCTED	ASC	LEVEL DATA: K:\36182\36182\LT00
22/01/14	M	PARK PATHWAY AMENDMENTS	ASC	DATUM: AHD
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FILENAME k:\36182\36182\3b\dgn\r09.dgn			AUTHORISED:	A.S.C DATE: MAY 2013



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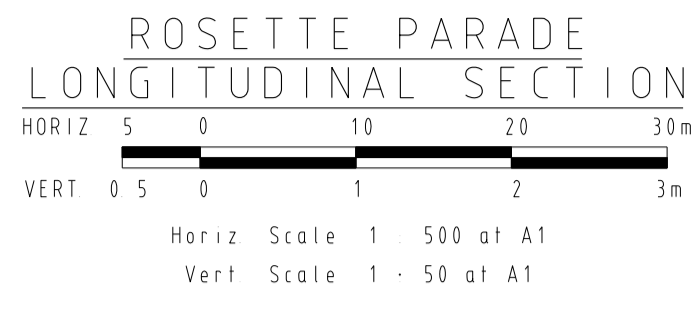
HUME CITY COUNCIL  
VILLAWOOD PROPERTIES P/L  
TRILLIUM STAGE 3B  
MICKLEHAM  
ROAD AND DRAINAGE PLANS

PLAN NUMBER  
36182/3B  
R09

GRAND BOULEVARD  
CROSS SECTIONS

REVISION N

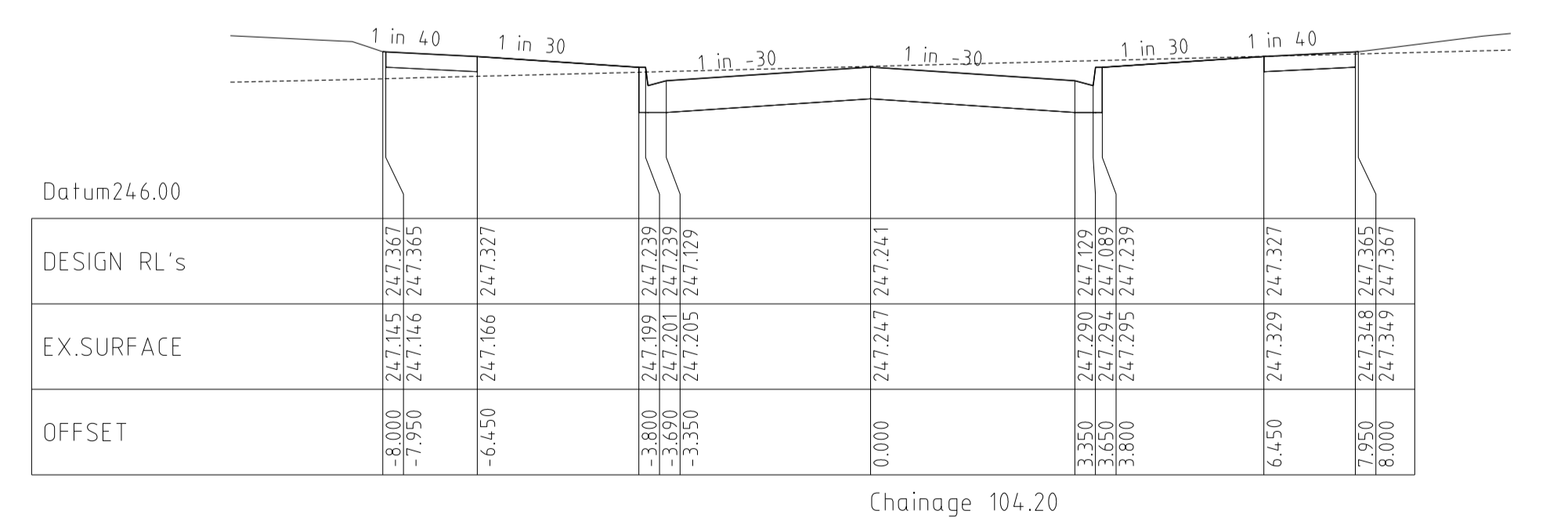
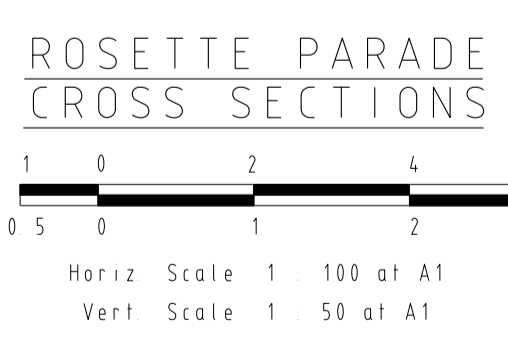
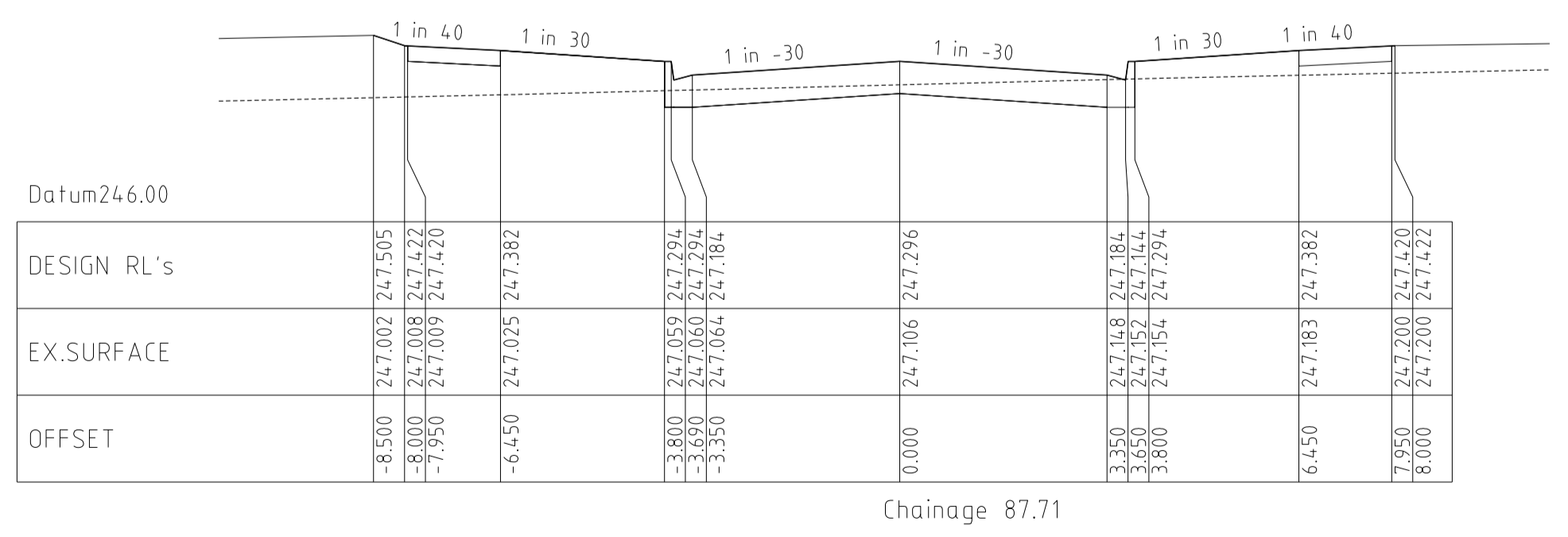
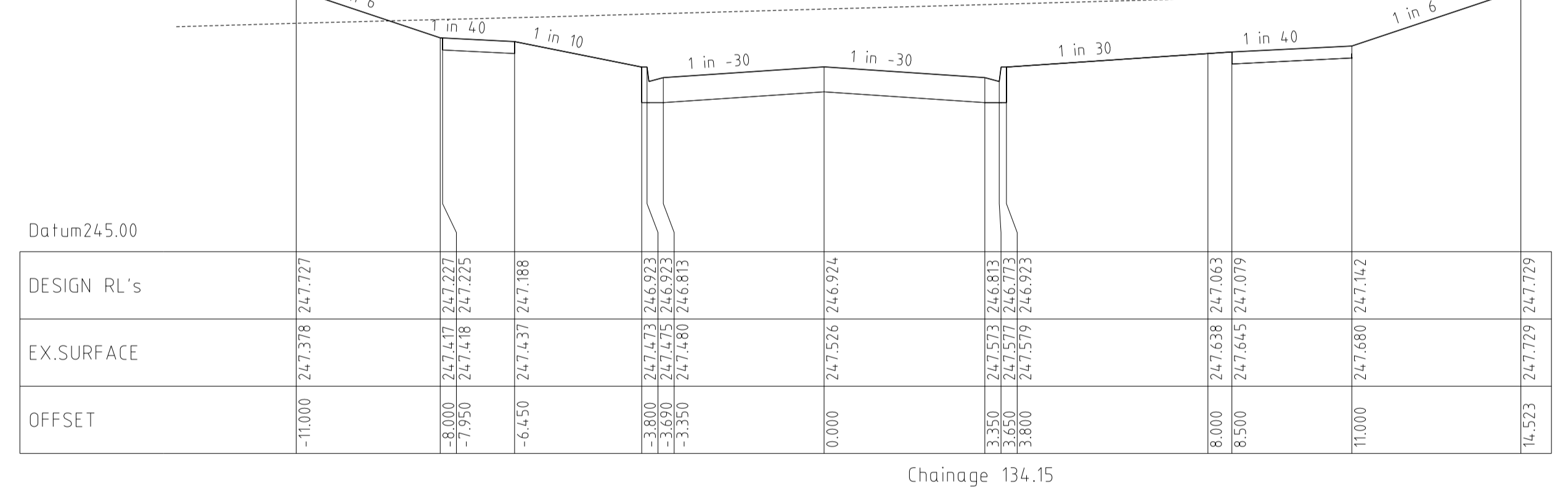
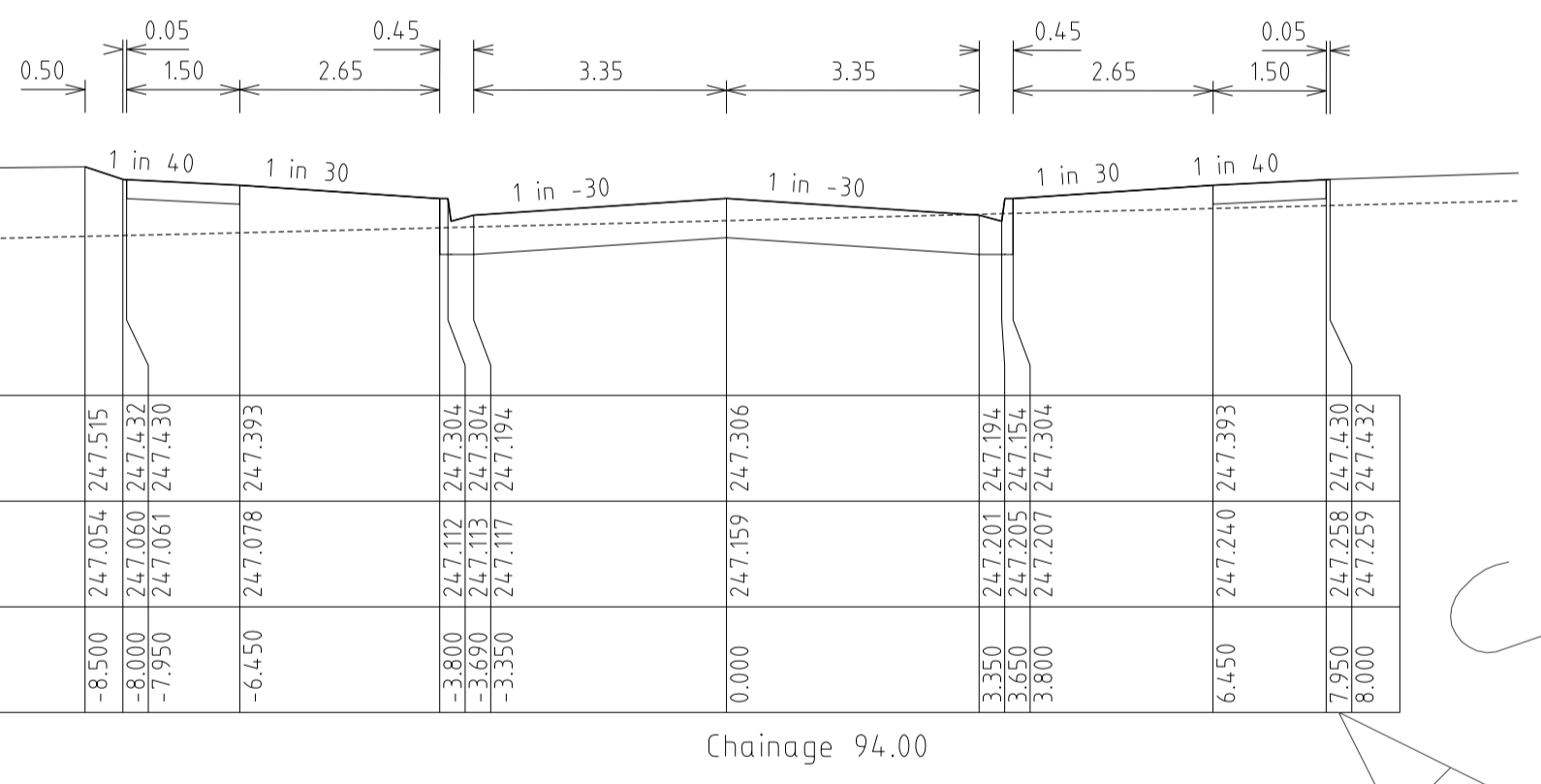
SHEET 9 OF 27



Horizontal Geometry  
Vertical Grade  
VC length

Datum RL.242

CHAINAGES	DESIGN CENTRELINE	EXISTING SURFACE
0.00	246.360	246.36
8.06	246.448	246.40
16.06	246.535	246.45
20.00	246.518	246.47
26.56	246.649	246.50
28.20	246.667	246.51
40.00	246.796	246.65
51.80	246.924	246.79
53.56	246.943	246.81
60.00	247.014	246.86
64.11	247.058	246.90
80.00	247.231	247.03
81.36	247.246	247.05
87.71	247.296	247.11
92.54	247.307	247.15
94.00	247.306	247.16
96.36	247.300	247.18
100.00	247.280	247.21
104.20	247.241	247.25
111.36	247.135	247.32
111.38	247.134	247.32
120.00	247.40	247.40
120.43	247.401	247.40
133.24	247.52	247.52
134.15	247.53	247.53
135.43	247.54	247.54
140.00	247.58	246.948
142.41	247.60	246.969
144.80	247.62	246.985
144.21	247.62	246.988
145.83	247.64	247.008
150.43	247.70	247.081
150.55	247.70	247.083
160.00	247.85	247.251
163.06	247.90	247.303
164.86	247.92	247.334
165.55	247.93	247.345
165.86	247.93	247.350
168.06	247.96	247.387
173.81	248.02	247.480
179.56	248.09	247.569
180.00	248.10	247.576
180.55	248.10	247.584
185.56	248.16	247.660
191.56	248.23	247.751
197.31	248.30	247.838
200.00	248.33	247.879
203.06	248.37	247.925
208.26	248.44	248.004
220.00	248.60	248.182
232.86	248.78	248.377
240.00	248.90	248.485
242.06	248.93	248.516
250.34	249.06	248.641
254.56	249.12	248.705
260.00	249.20	248.785
265.34	249.29	248.861
267.06	249.31	248.885
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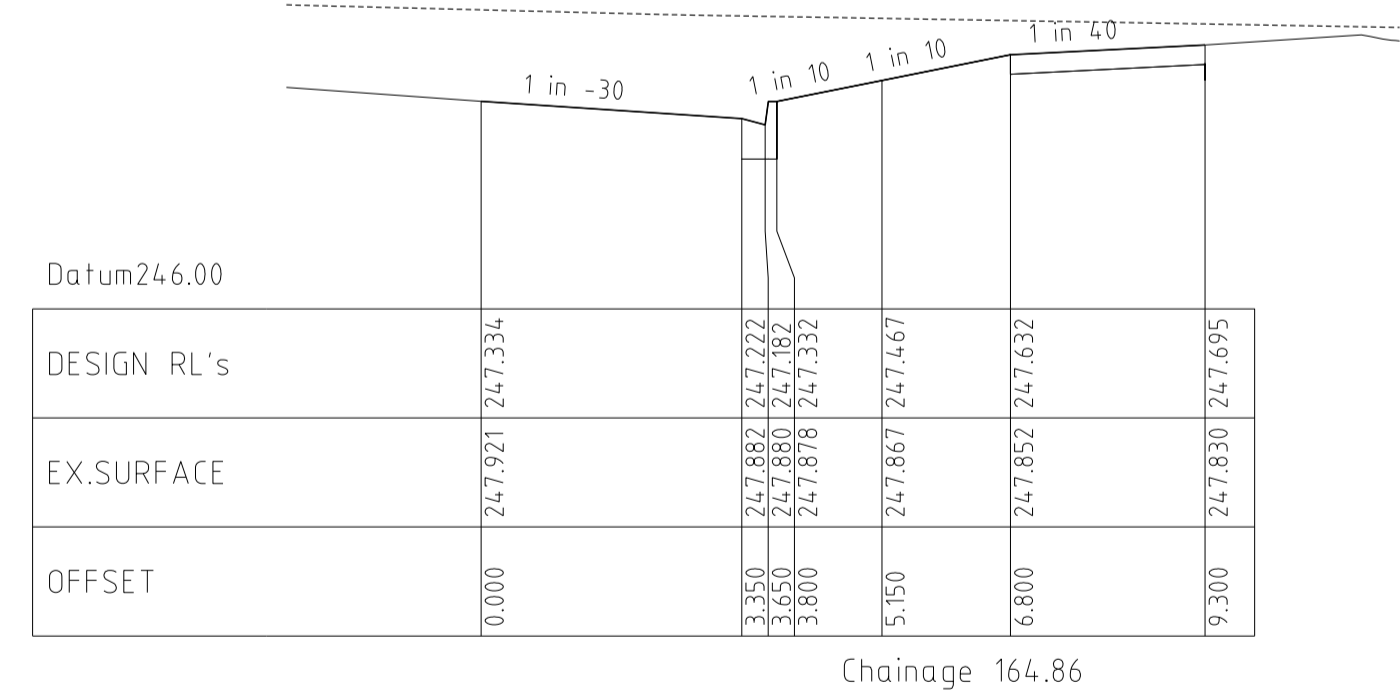
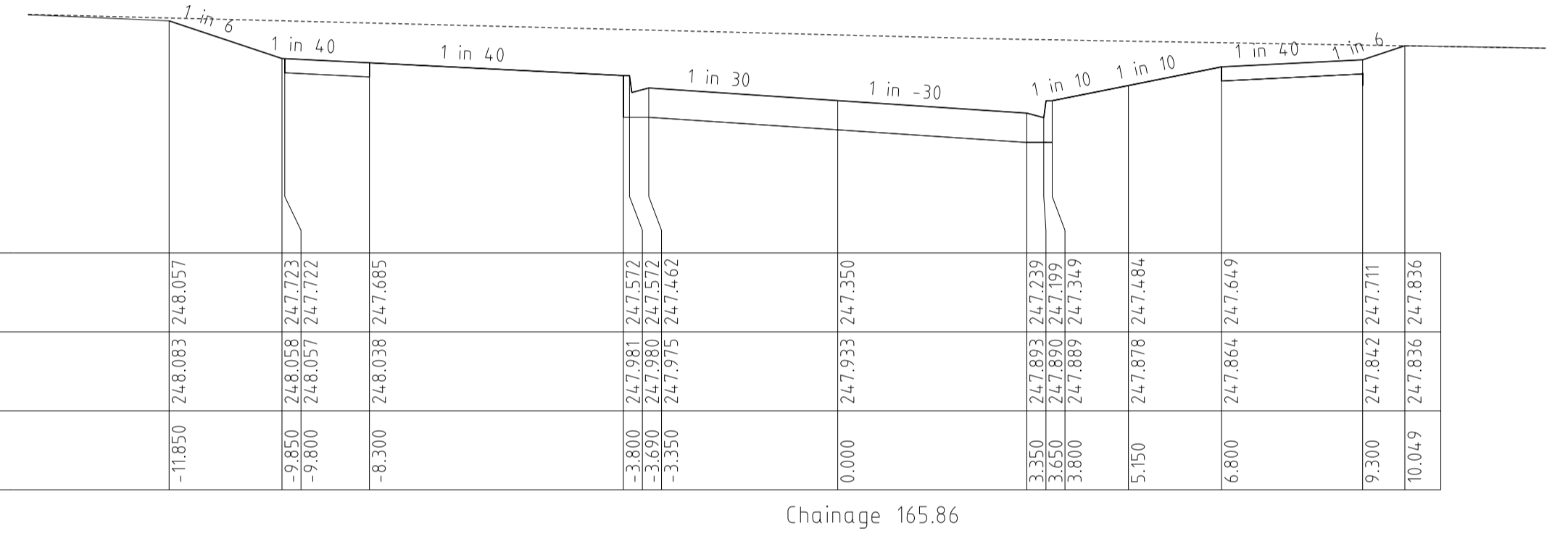
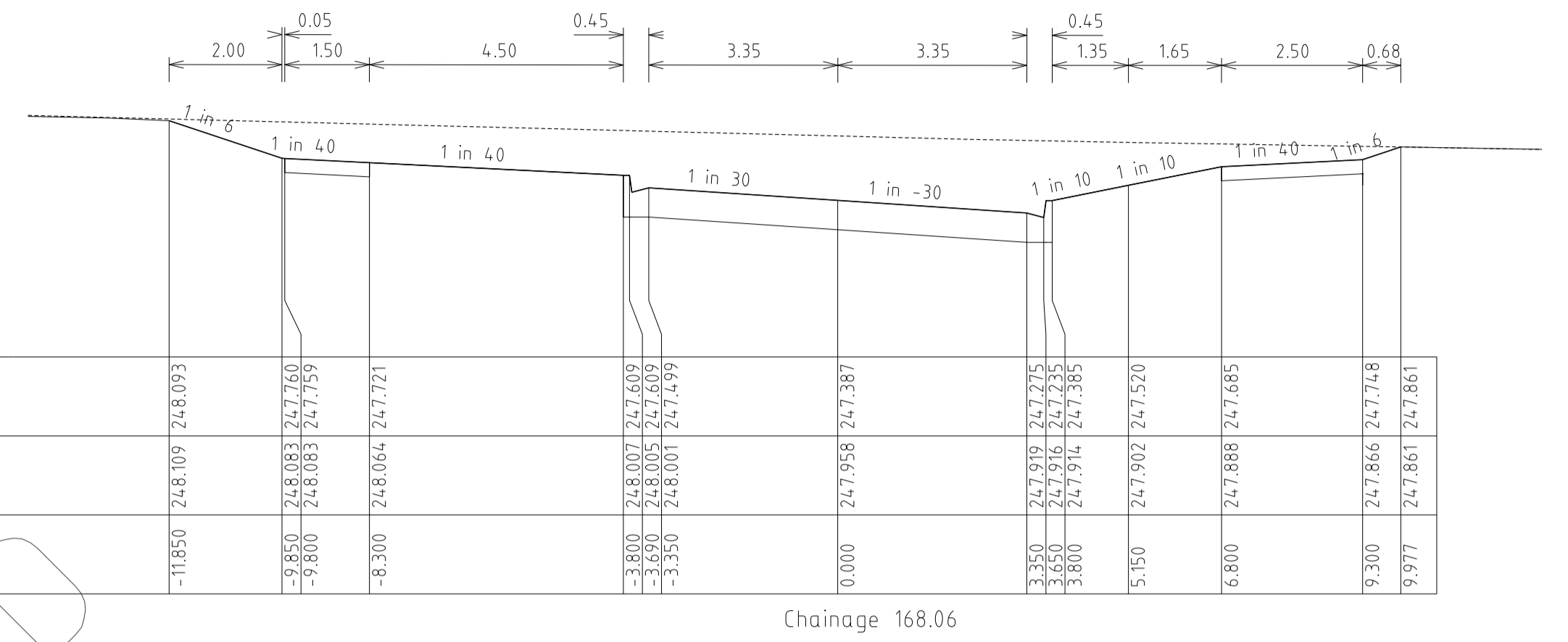
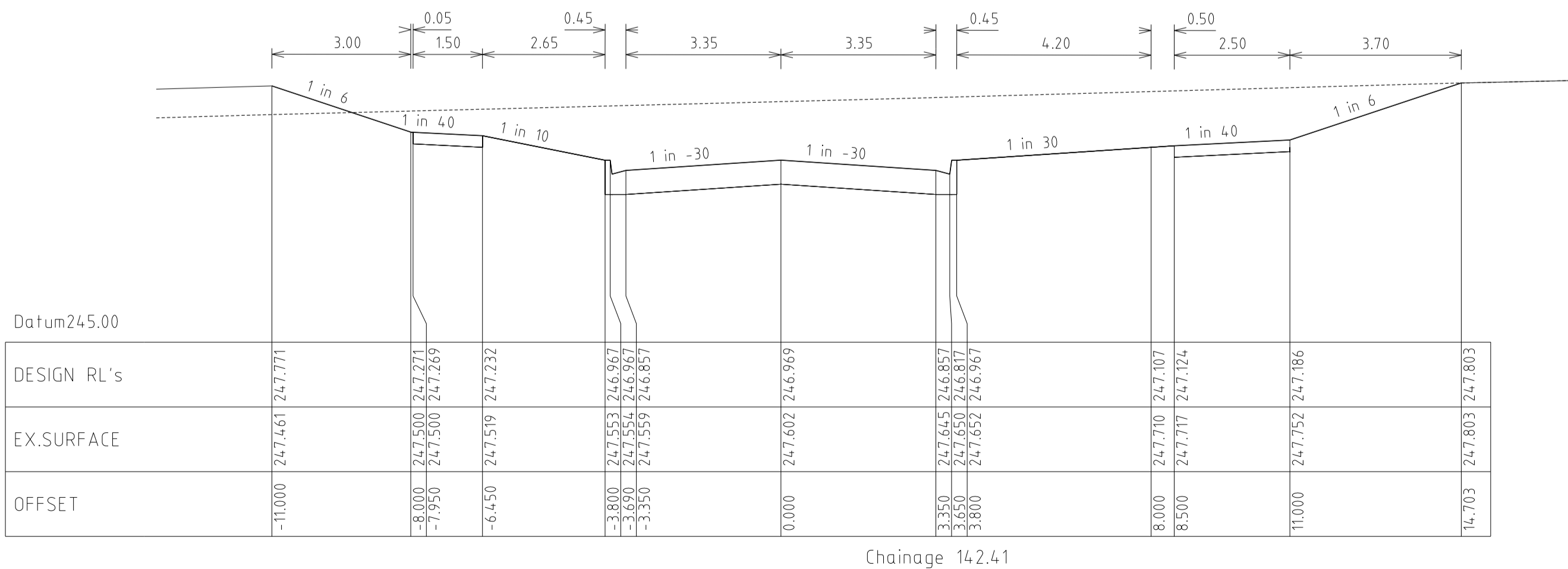
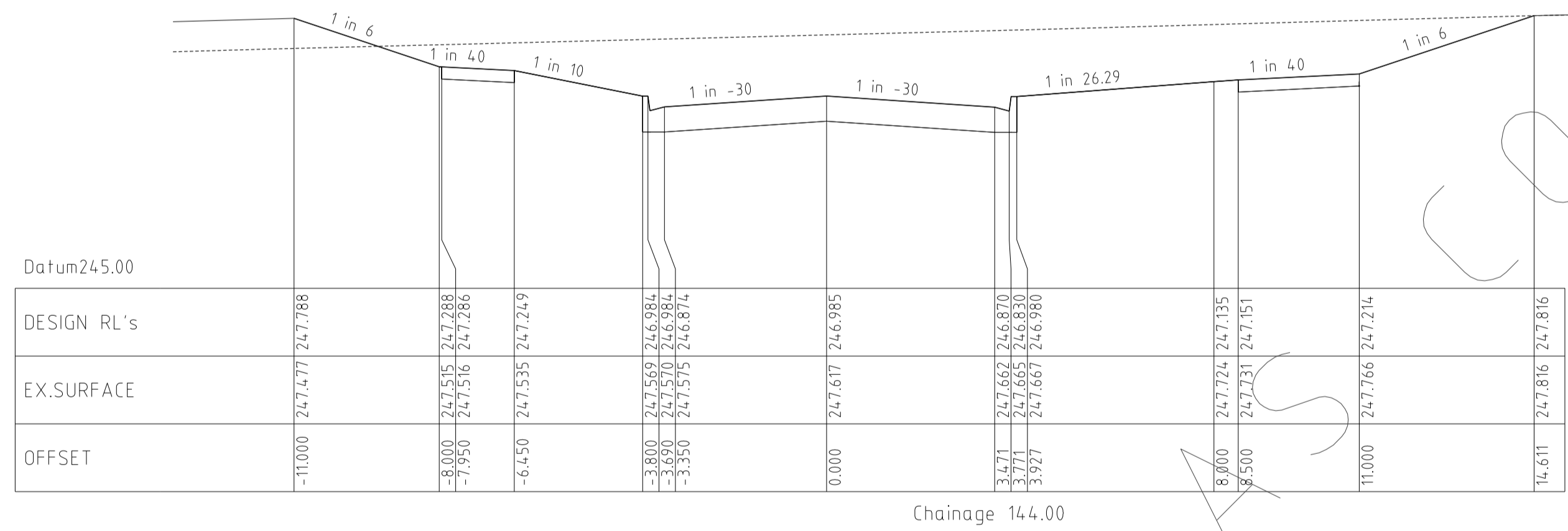
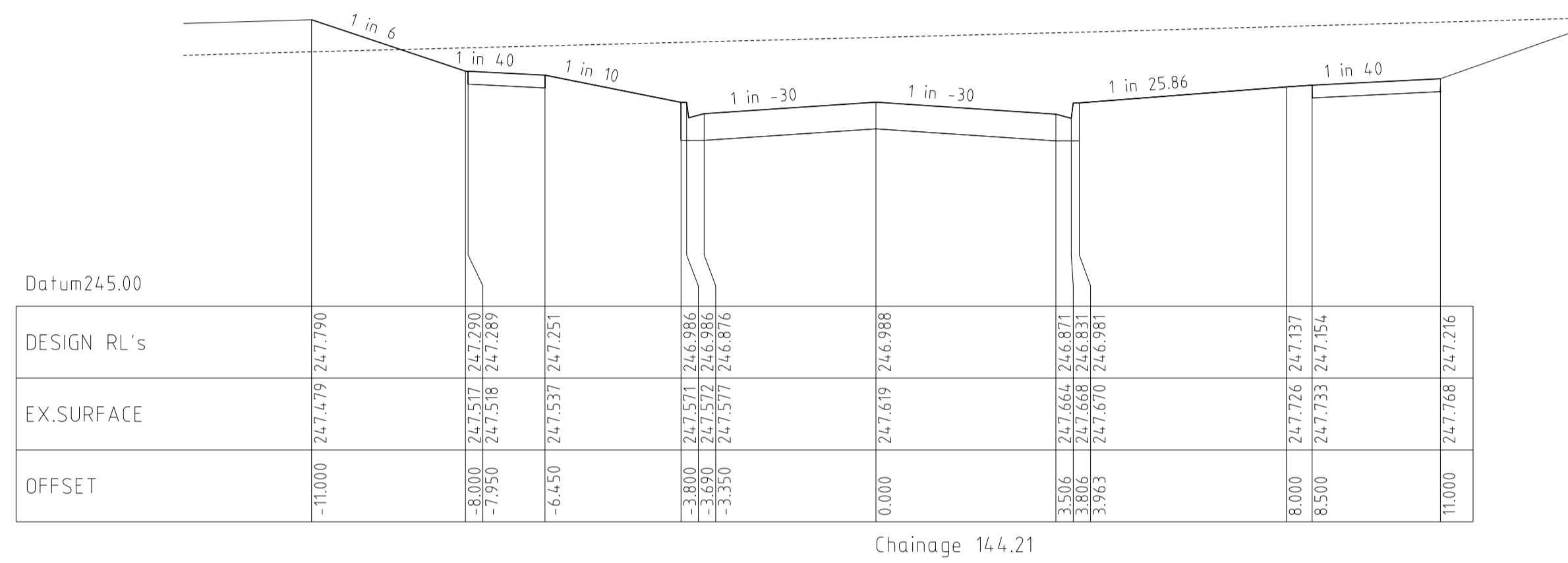
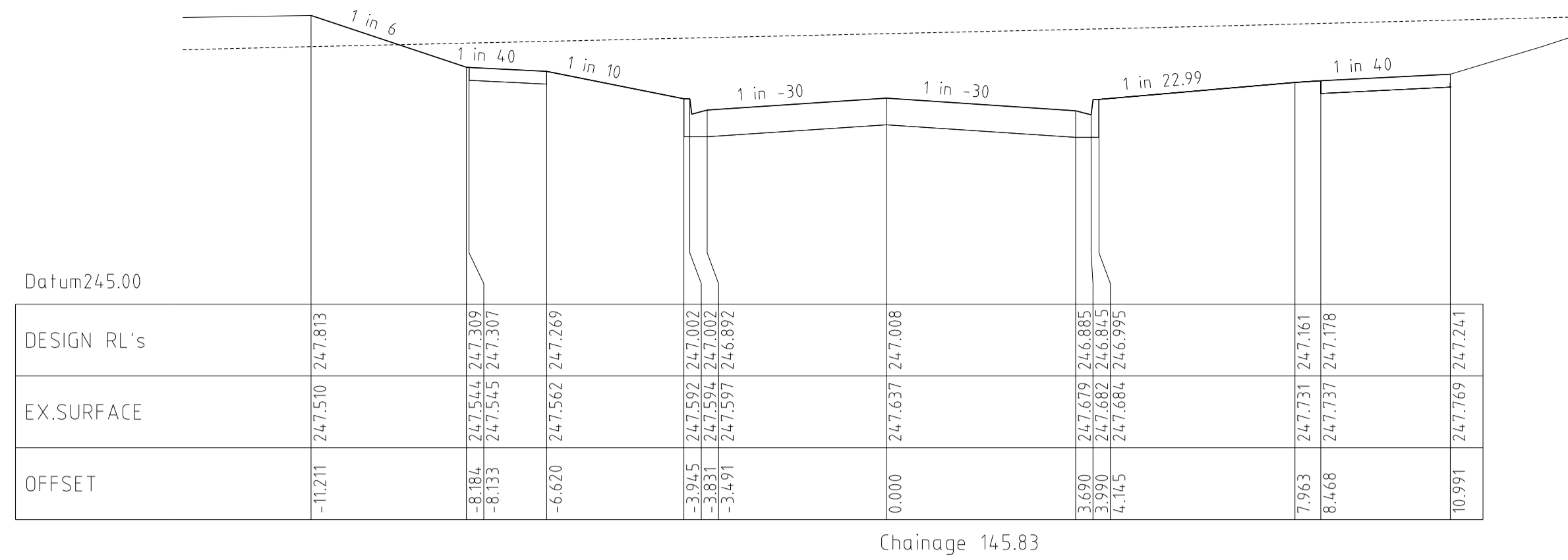
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DATE	DETAILS	AUTHORISED	DATE PRINTED:	14/02/2014
14/02/14	N	AS CONSTRUCTED	ASC	LEVEL DATA: K:\36182\36182\LT00
22/01/14	M	PARK PATHWAY AMENDMENTS	ASC	DATUM: AHD
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17/09/13	J	COUNCIL REQUESTED AMENDMENTS	ASC	DESIGNED: Z.W.L DATE: MAY 2013
FILENAME k \36182\36182 3b\dgn\r10 .dgn			AUTHORISED:	A.S.C DATE: MAY 2013



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HUME CITY COUNCIL		PLAN NUMBER
VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 3B MICKLEHAM ROAD AND DRAINAGE PLANS		36182/3B R10
ROSETTE PARADE LONGITUDINAL & CROSS SECTIONS		REVISION N
		SHEET 10 OF 27



ROSETTE PARADE 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

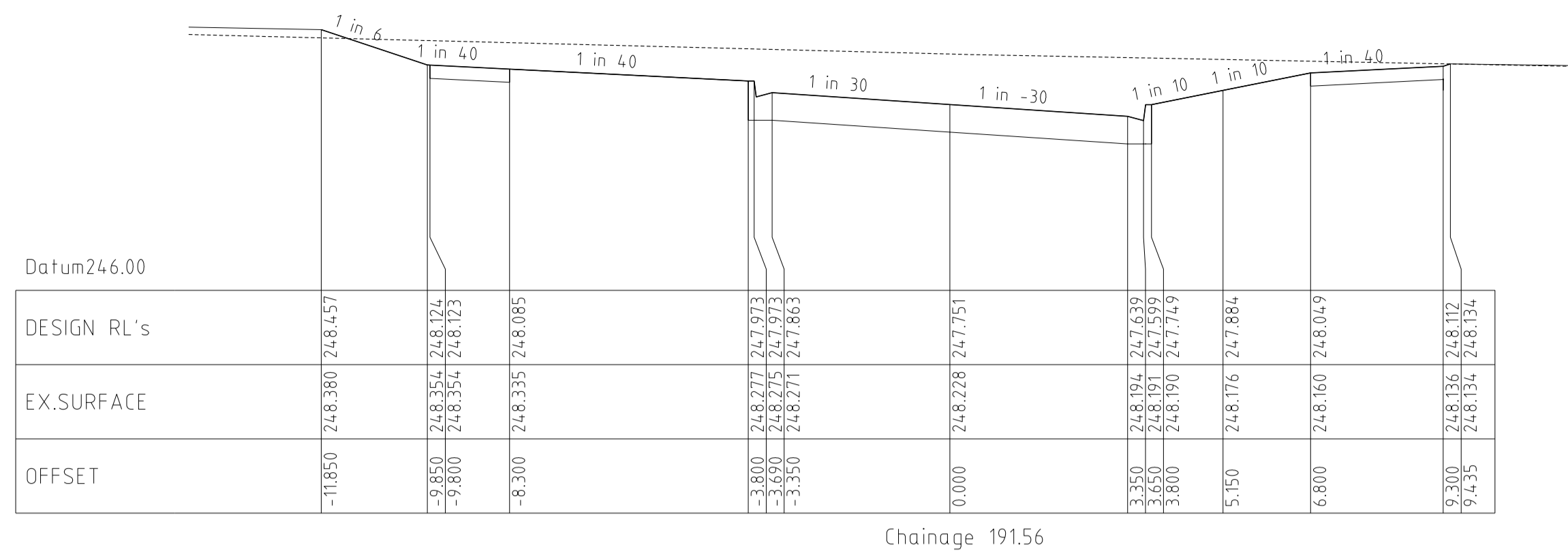
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DATE	DETAILS	AUTHORISED	DATE PRINTED:	14/02/2014
14/02/14	N	AS CONSTRUCTED	ASC	LEVEL DATA: K:\36182\36182\LT00
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17/09/13	J	COUNCIL REQUESTED AMENDMENTS	ASC	DESIGNED: Z.W.L DATE: MAY 2013
FILENAME k:\36182\36182\3b\dgn\11.dgn			AUTHORISED:	A.S.C DATE: MAY 2013



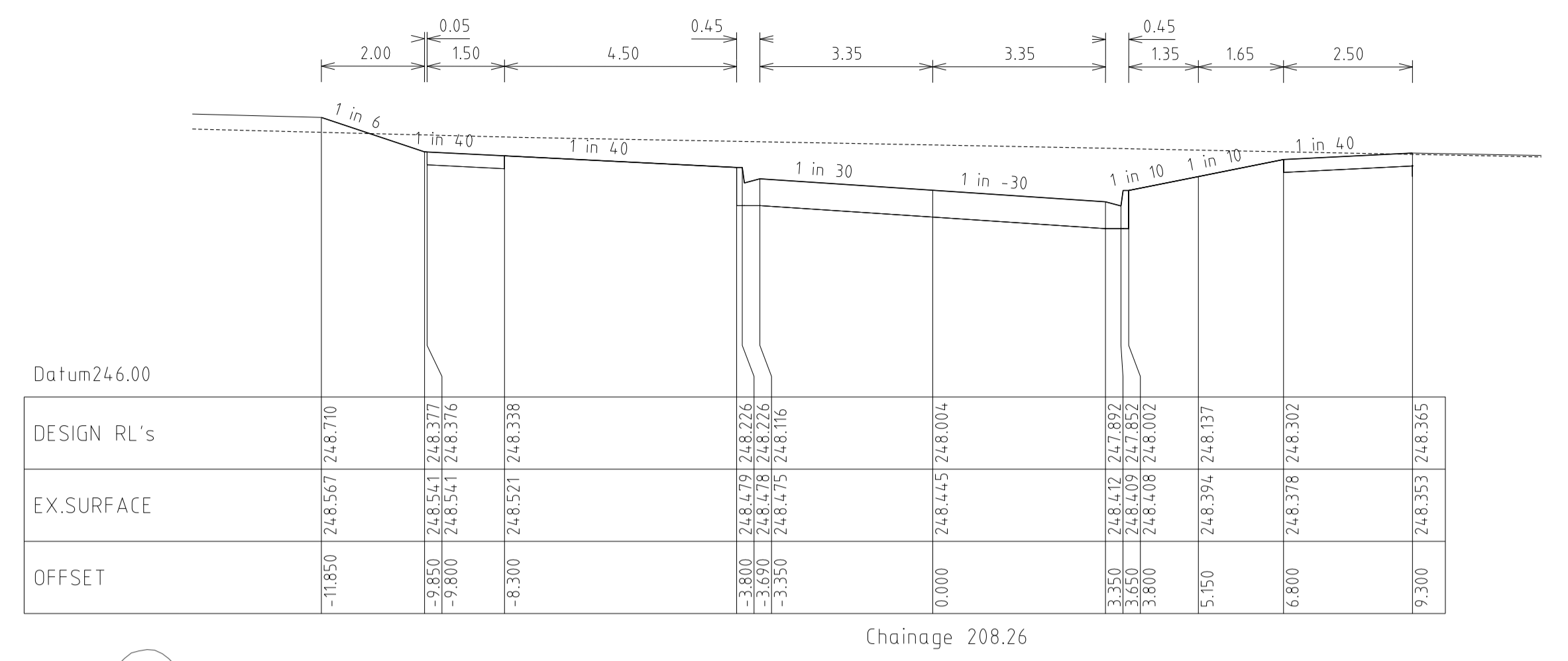
MORNINGTON  
5 Main Street  
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DX 93118 Mornington

MELBOURNE  
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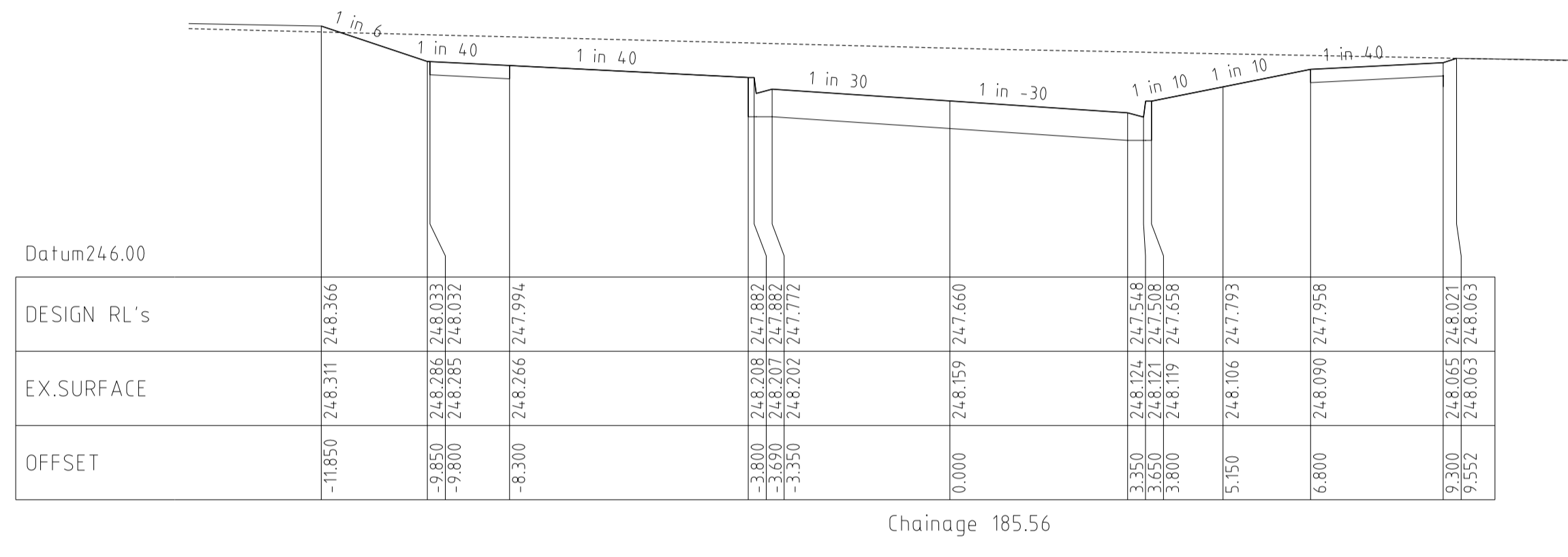
HUME CITY COUNCIL		PLAN NUMBER
VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 3B MICKLEHAM ROAD AND DRAINAGE PLANS		36182/3B R 11
ROSETTE PARADE CROSS SECTIONS		REVISION N
		SHEET 11 OF 27



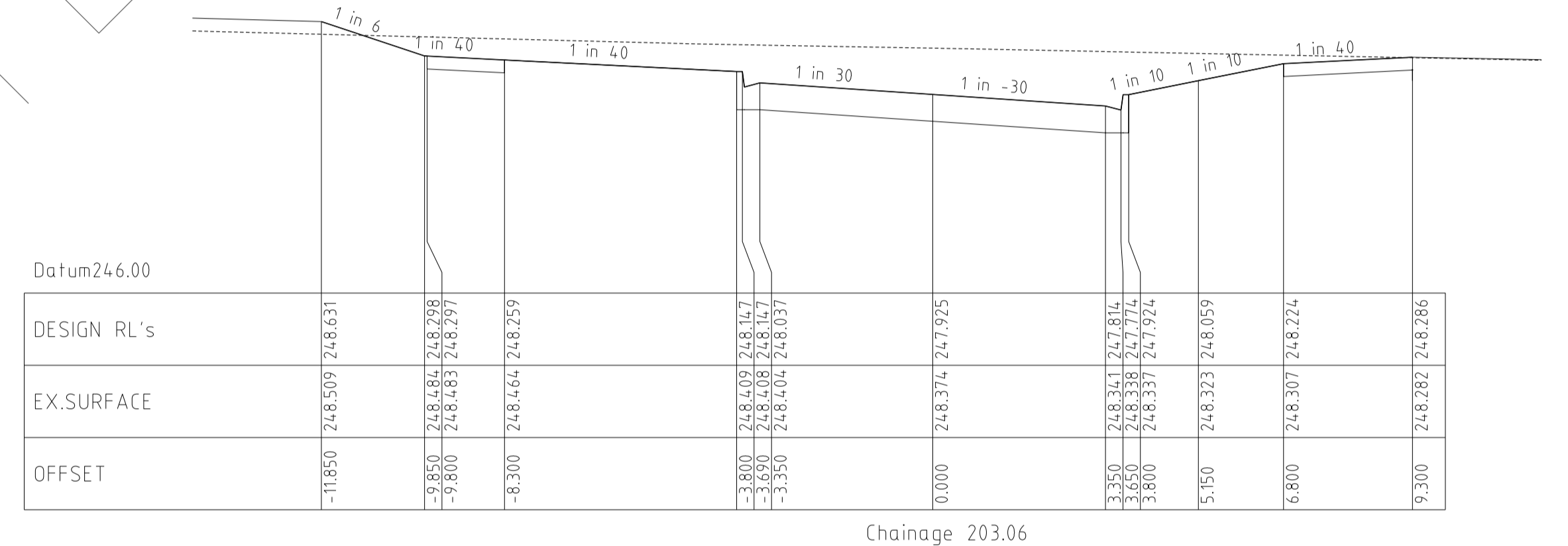
Chainage 191.56



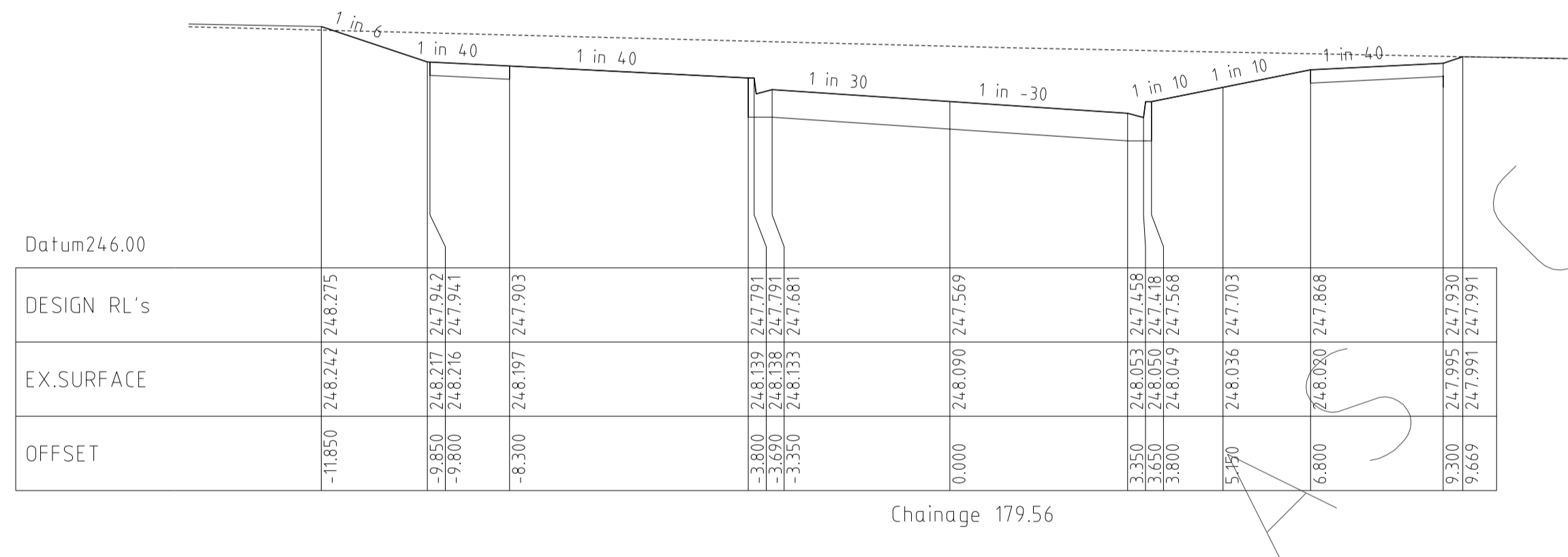
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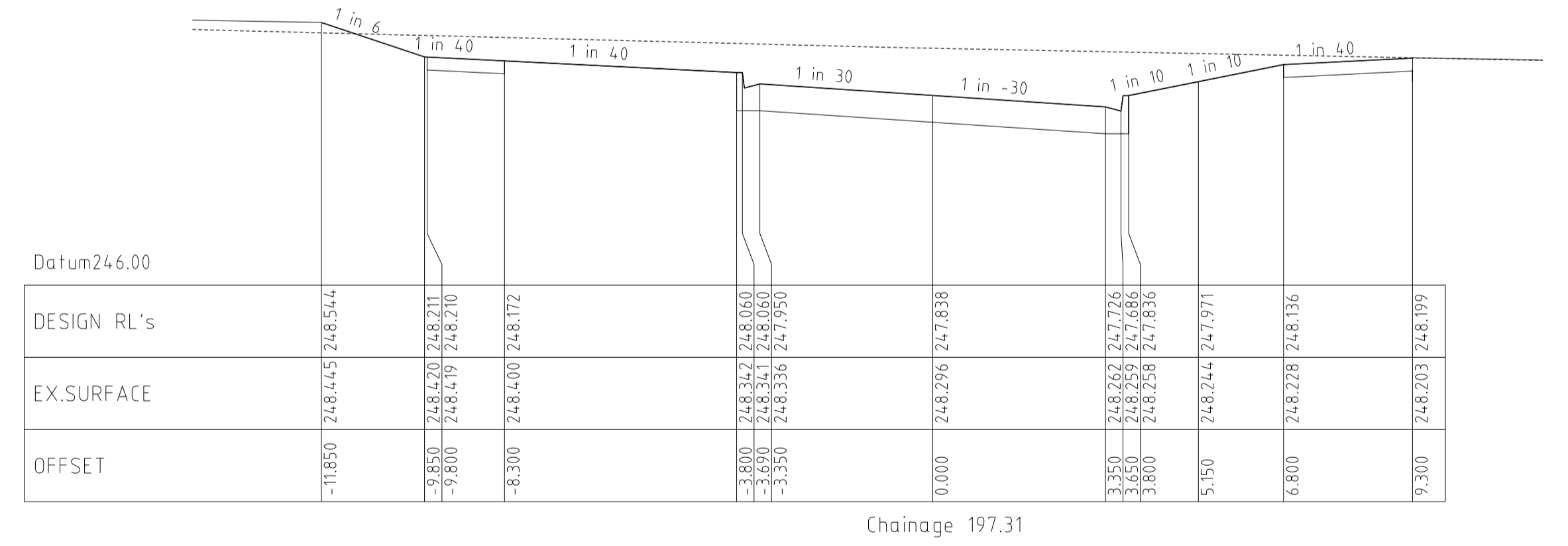
Chainage 185.56



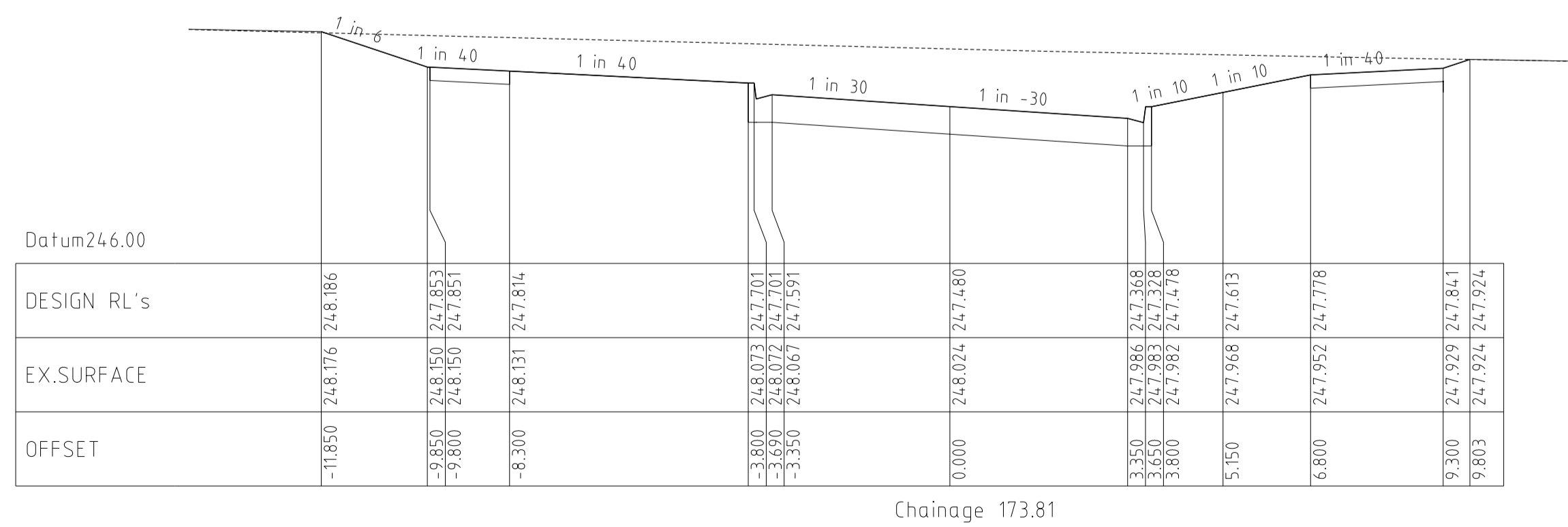
Chainage 203.06



Chainage 179.56



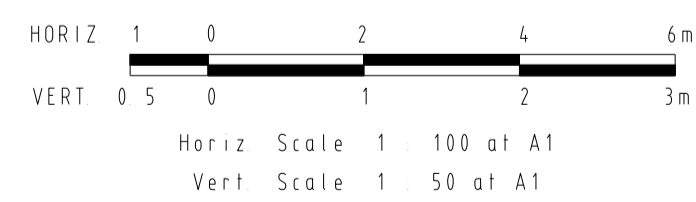
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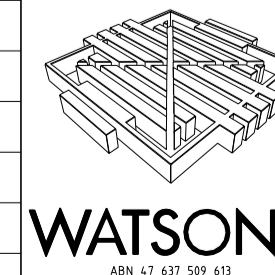
Chainage 173.81

NOT TO BE CONSTRUCTED

ROSETTE PARADE CROSS SECTIONS



REVISIONS			SCALE:	AS SHOWN
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14/02/14	N	AS CONSTRUCTED	ASC	LEVEL DATA: K:\36182\36182\LT00
22/01/14	M	PARK PATHWAY AMENDMENTS	ASC	DATUM: AHD
8/10/13	L	DRAINAGE LINE 4 & 12 AMENDMENTS	ASC	PROJECT No.: 36182/3B
18/09/13	K	COUNCIL REQUESTED AMENDMENTS	ASC	DRAWN: C.M.B DATE: MAY 2013
17/09/13	J	COUNCIL REQUESTED AMENDMENTS	ASC	DESIGNED: Z.W.L DATE: MAY 2013
FILENAME K:\36182\36182\3b\dgn\12.dgn			AUTHORISED:	A.S.C DATE: MAY 2013



MORNINGTON  
 5 Main Street  
 P.O. Box 171 3911  
 Phone (03) 5975 4444  
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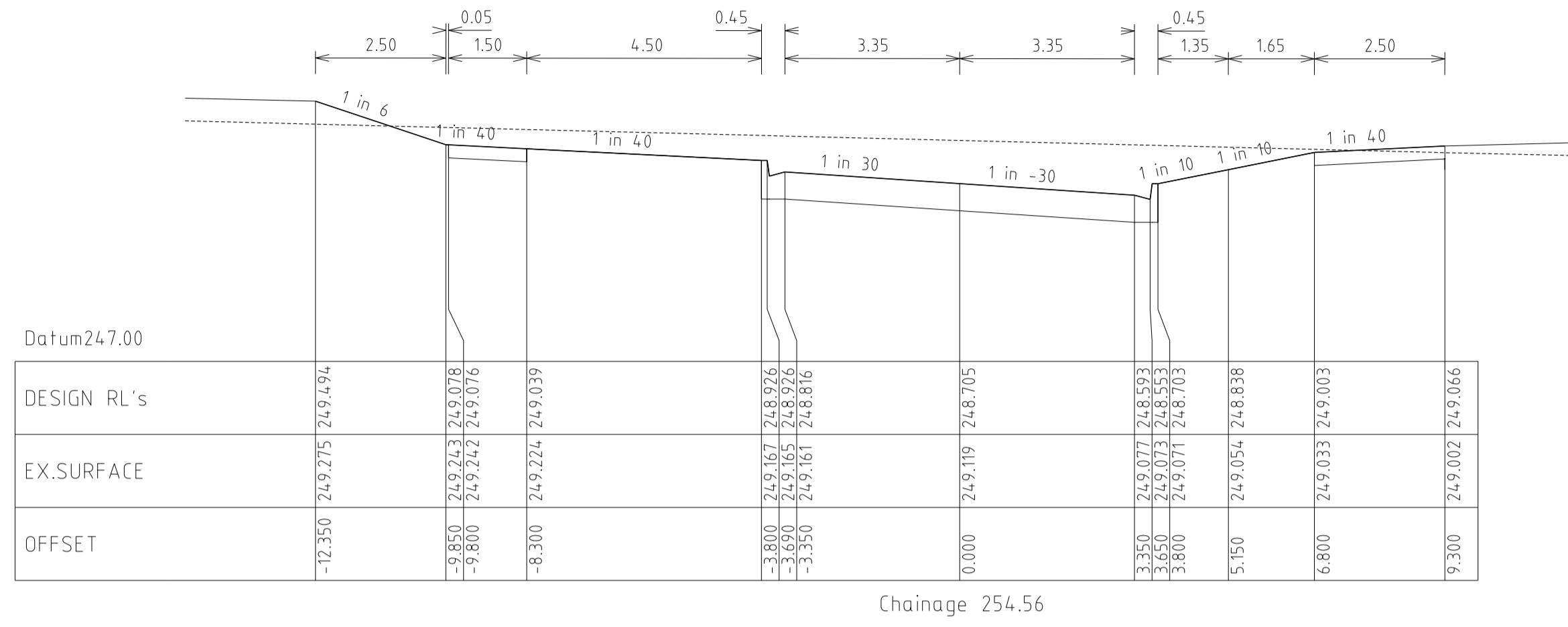
MELBOURNE  
 The Melbourne, Suite 2  
 258 St. Kilda Road  
 Melbourne, 3002  
 Phone (03) 9697 8000  
 Fax (03) 9697 8099

HUME CITY COUNCIL  
 VILLAWOOD PROPERTIES P/L  
 TRILLIUM STAGE 3B  
 MICKLEHAM  
 ROAD AND DRAINAGE PLANS

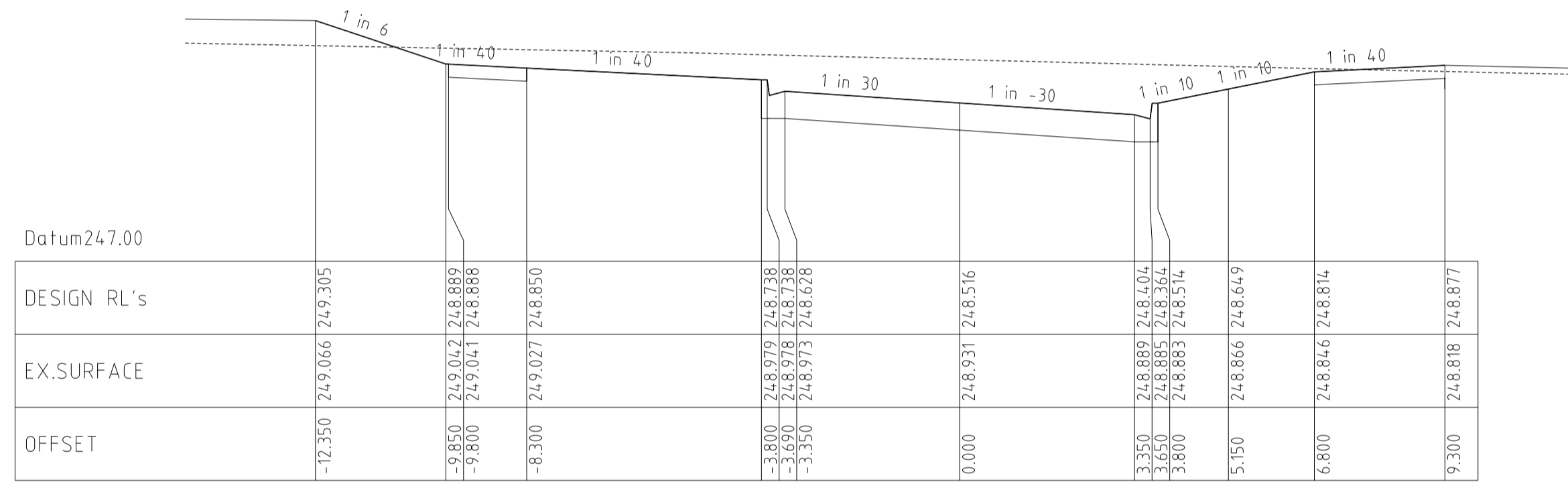
PLAN NUMBER  
 36182/3B  
 R12

ROSETTE PARADE  
 CROSS SECTIONS

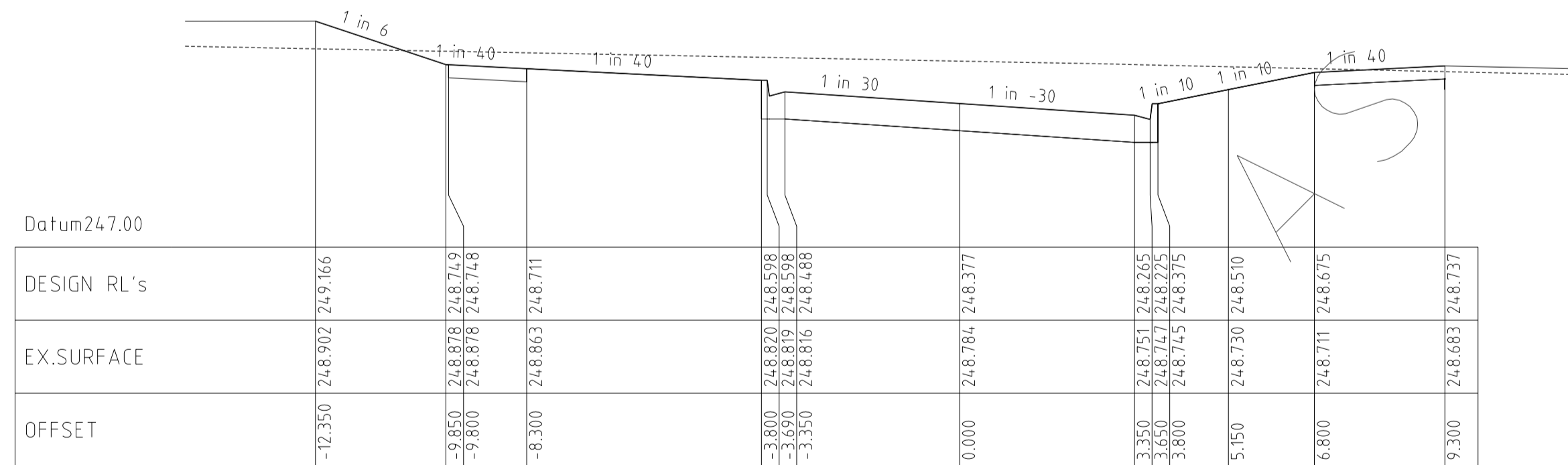
REVISION  
 N  
 SHEET 12 OF 27



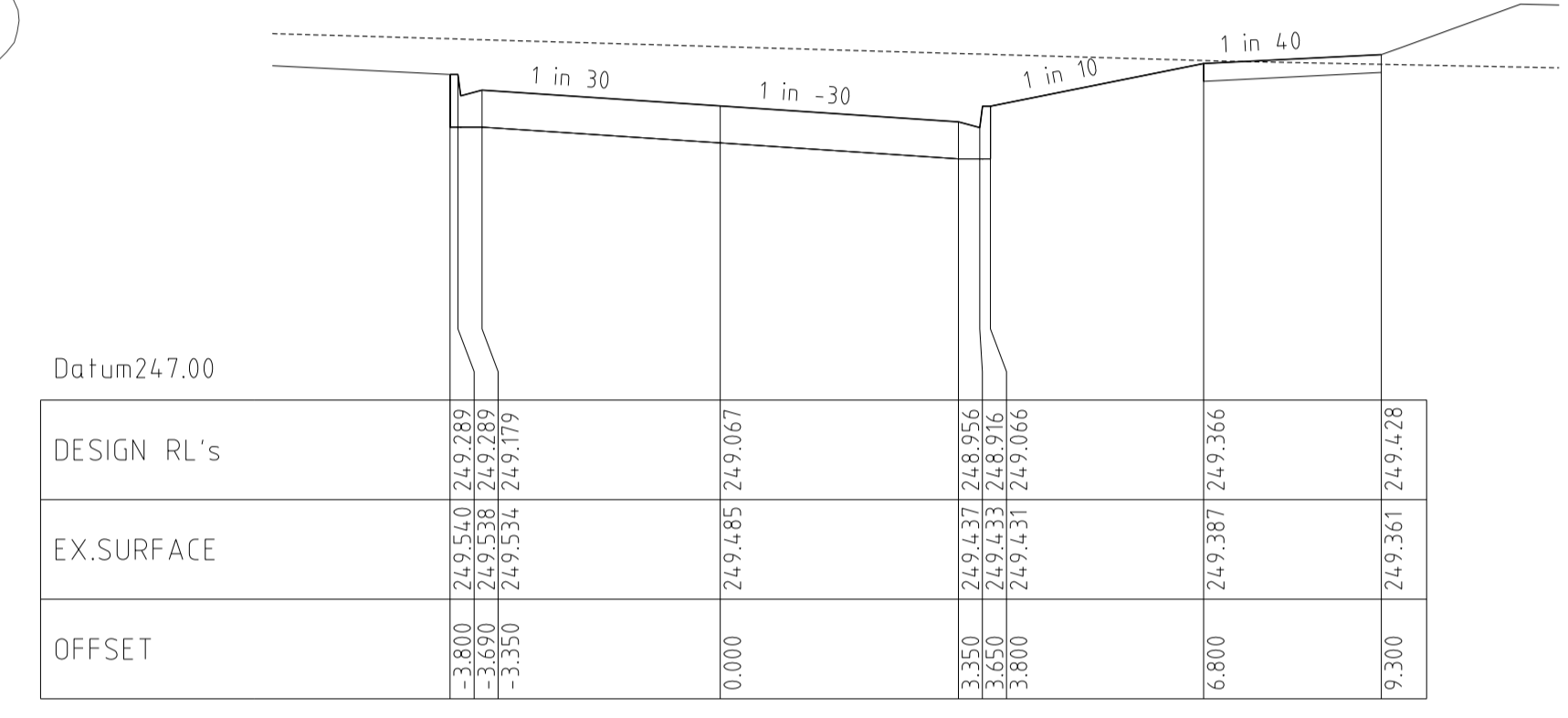
Chainage 254.56



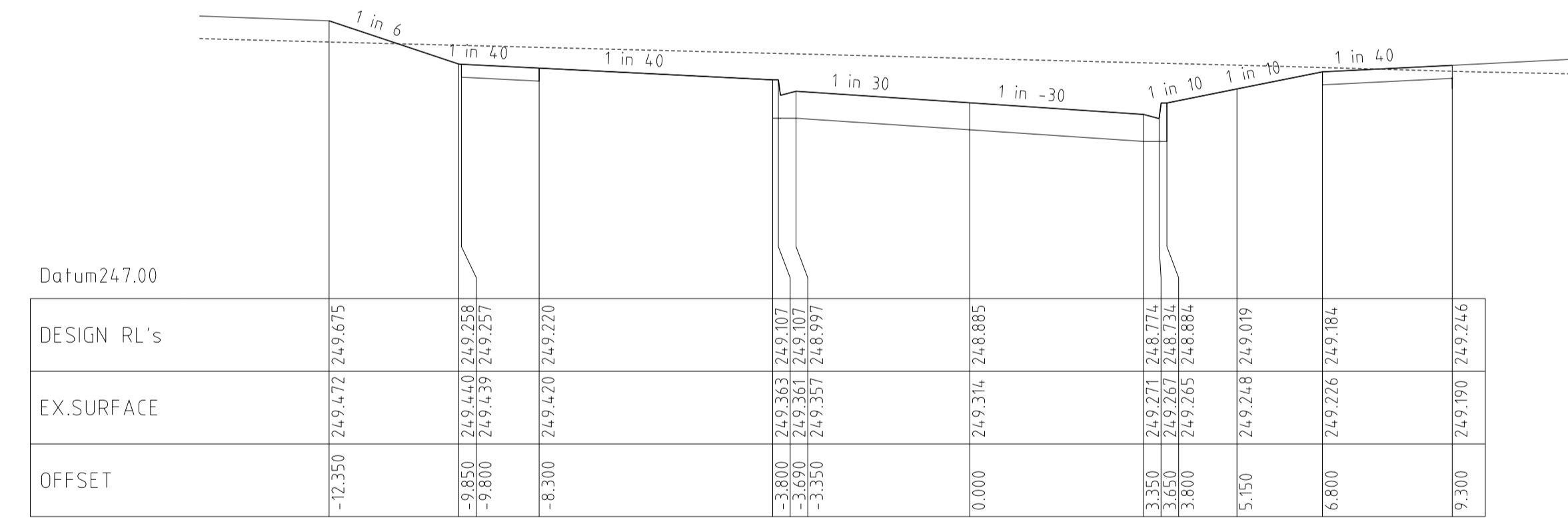
Chainage 242.06



Chainage 232.86



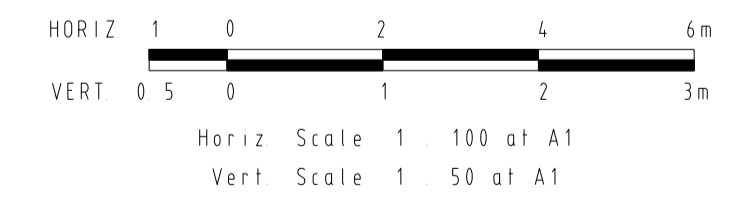
Chainage 280.41



Chainage 267.06

CONSTRACTED

ROSETTE PARADE  
CROSS SECTIONS



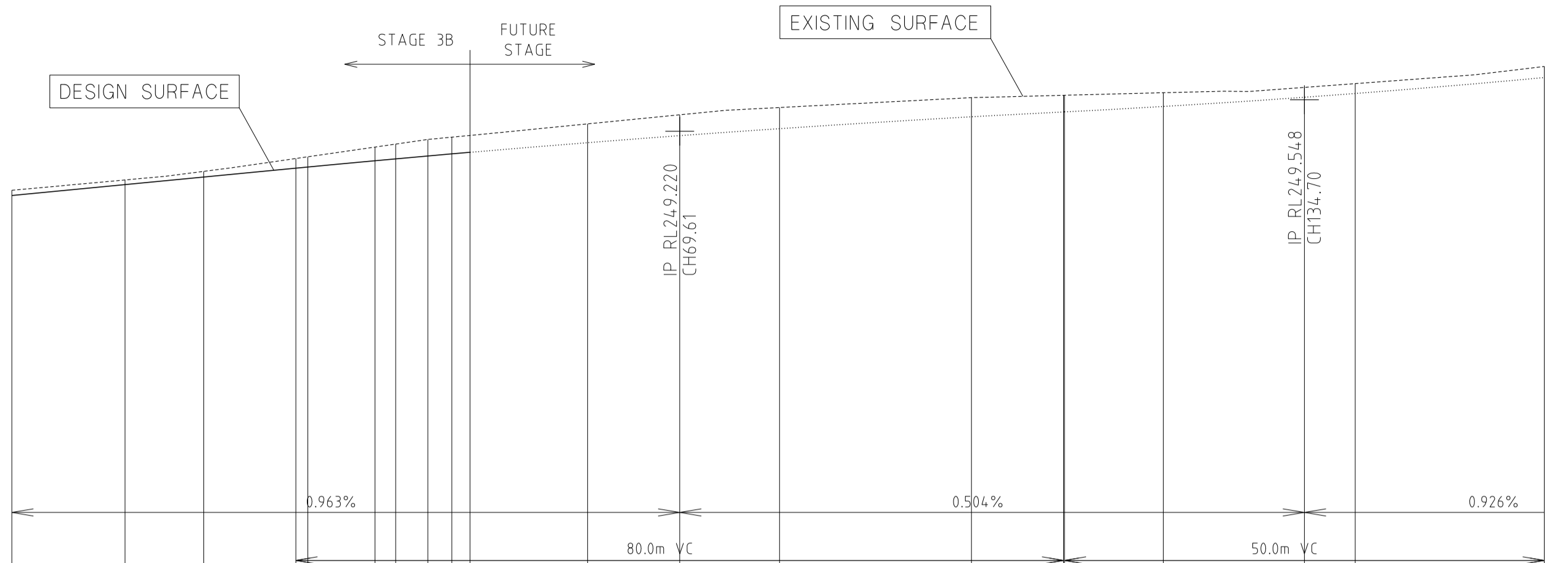
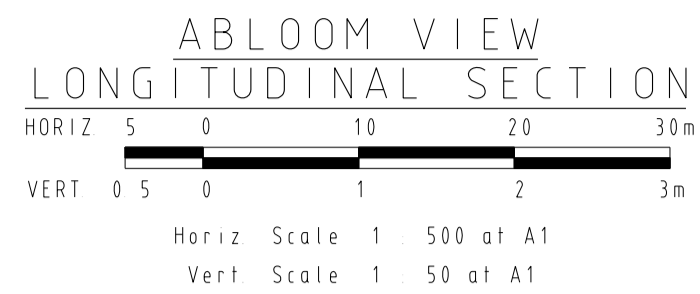
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DATE	DETAILS	AUTHORISED	DATE PRINTED:	14/02/2014
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8/10/13	L	DRAINAGE LINE 4 & 12 AMENDMENTS	PROJECT No.:	36182/3B
18/09/13	K	COUNCIL REQUESTED AMENDMENTS	DRAWN:	C.M.B DATE: MAY 2013
17/09/13	J	COUNCIL REQUESTED AMENDMENTS	DESIGNED:	Z.W.L DATE: MAY 2013
FILENAME k \36182\36182 3b\dgn\13 dgn			AUTHORISED:	A.S.C DATE: MAY 2013



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HUME CITY COUNCIL		PLAN NUMBER
VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 3B MICKLEHAM ROAD AND DRAINAGE PLANS		36182/3B R13
ROSETTE PARADE CROSS SECTIONS		REVISION N
		SHEET 13 OF 27



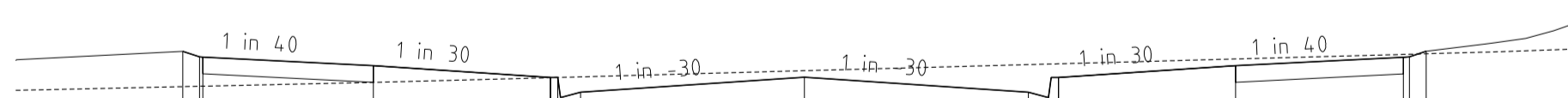
Horizontal Geometry  
Vertical Grade  
VC length

CHAINAGES	0.00	11.80	20.00	29.61	30.85	37.85	40.00	43.35	45.85	47.75	60.00	69.61	80.00	100.00	109.61	109.70	120.00	134.70	140.00	159.70
DESIGN CENTRELINE	248.550	248.664	248.743	248.835	248.847	248.912	248.932	248.962	248.984	249.000	249.101	249.174	249.247	249.370	249.421	249.422	249.478	249.574	249.613	249.779
EXISTING SURFACE	248.60	248.71	248.80	248.94	248.95	249.05	249.09	249.13	249.16	249.18	249.30	249.39	249.47	249.57	249.59	249.59	249.62	249.68	249.72	249.90



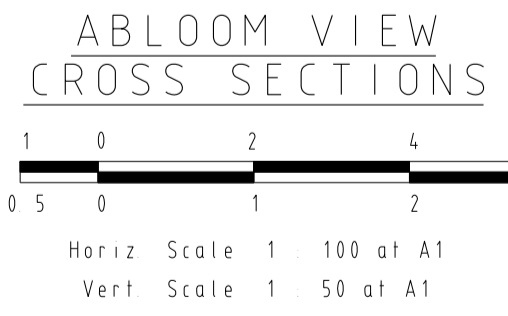
CHAINAGE	0.00	3.35	6.45	7.95	8.00	8.45
DESIGN RL's	248.934	248.845	248.847	248.971	248.973	249.049
EX.SURFACE	248.881	248.911	248.954	248.971	248.973	249.049
OFFSET	-6.450	-3.800	0.000	7.950	8.000	8.459

Chainage 30.85



CHAINAGE	0.00	3.35	6.45	8.95	9.30
DESIGN RL's	248.664	248.552	248.730	248.813	248.898
EX.SURFACE	248.713	248.667	248.800	248.824	248.839
OFFSET	0.000	-6.450	6.450	8.959	9.300

Chainage 11.80



1 in 40 1 in 30 1 in 30 1 in 30 1 in 30 1 in 40 1 in 6

CHAINAGE	0.000	3.350	3.600	3.650	3.800	6.450	7.950	8.000	8.069
DESIGN RL's	249.000	248.889	248.889	248.859	248.889	249.087	249.087	249.176	249.304
EX.SURFACE	249.176	249.000	249.000	249.000	249.000	249.087	249.087	249.176	249.304
OFFSET	0.000	-3.350	-3.600	-3.650	-3.350	0.000	0.000	0.000	9.069

Chainage 47.75

1 in 40 1 in 30 1 in 30 1 in 30 1 in 30 1 in 40 1 in 6

CHAINAGE	0.000	3.350	3.600	3.650	3.800	6.450	7.950	8.000	8.995
DESIGN RL's	248.984	248.872	248.872	248.832	248.872	249.070	249.070	249.108	249.275
EX.SURFACE	249.158	248.872	248.872	248.872	248.872	249.070	249.070	249.108	249.275
OFFSET	0.000	-3.350	-3.600	-3.650	-3.350	0.000	0.000	0.000	8.995

Chainage 45.85

1 in 30 1 in 30 1 in 30 1 in 40 1 in 6

CHAINAGE	0.000	3.350	3.600	3.800	6.450	7.950	8.000	8.900
DESIGN RL's	248.962	248.850	248.850	248.860	249.049	249.086	249.086	249.238
EX.SURFACE	249.134	248.962	248.962	248.962	249.049	249.086	249.086	249.238
OFFSET	0.000	-3.350	-3.600	-3.800	0.000	0.000	0.000	8.900

Chainage 43.35

1 in 40 1 in 30 1 in 30 1 in 30 1 in 30 1 in 40 1 in 6

CHAINAGE	0.000	3.350	3.600	3.650	3.800	6.450	7.950	8.000	8.699
DESIGN RL's	248.912	248.801	248.801	248.811	248.801	248.999	248.999	249.037	249.155
EX.SURFACE	249.096	248.801	248.801	248.811	248.801	248.999	248.999	249.037	249.155
OFFSET	0.000	-3.350	-3.600	-3.650	-3.350	0.000	0.000	0.000	8.699

Chainage 37.85

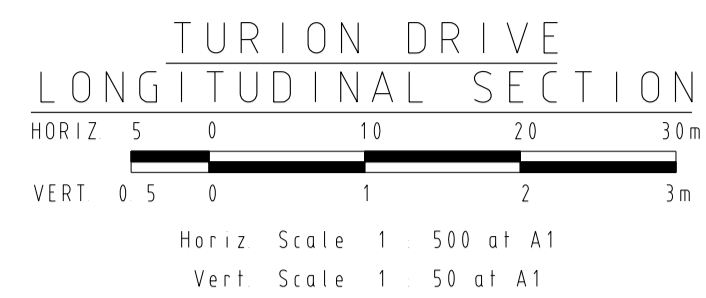
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DATE	DETAILS	AUTHORISED	DATE PRINTED:	14/02/2014
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22/01/14	M	PARK PATHWAY AMENDMENTS	DATUM:	AHD
8/10/13	L	DRAINAGE LINE 4 & 12 AMENDMENTS	PROJECT No.:	36182/3B
18/09/13	K	COUNCIL REQUESTED AMENDMENTS	DRAWN:	C.M.B DATE: MAY 2013
17/09/13	J	COUNCIL REQUESTED AMENDMENTS	DESIGNED:	Z.W.L DATE: MAY 2013
FILENAME k	\36182\36182 3b\dgn\r14.dgn	AUTHORISED:	A.S.C	DATE: MAY 2013



MORNINGTON  
5 Main Street,  
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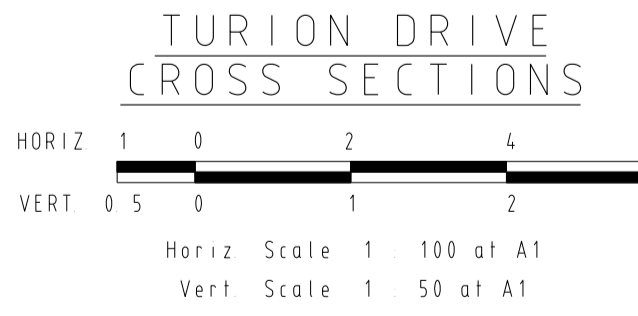
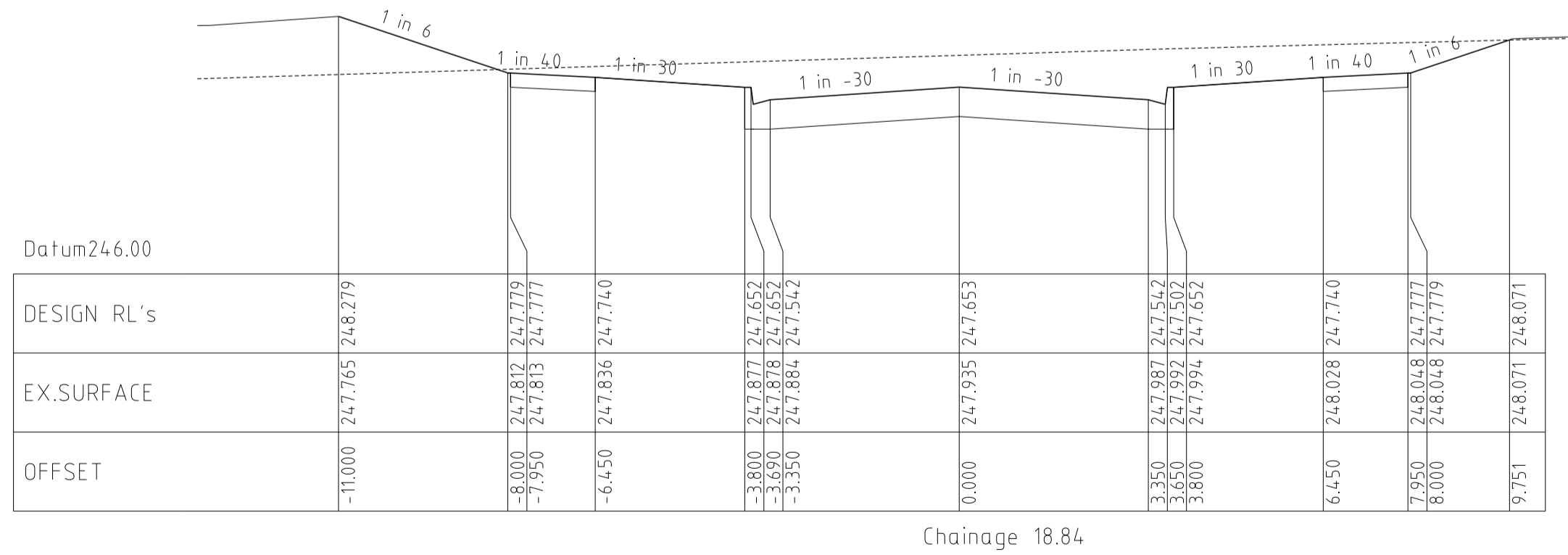
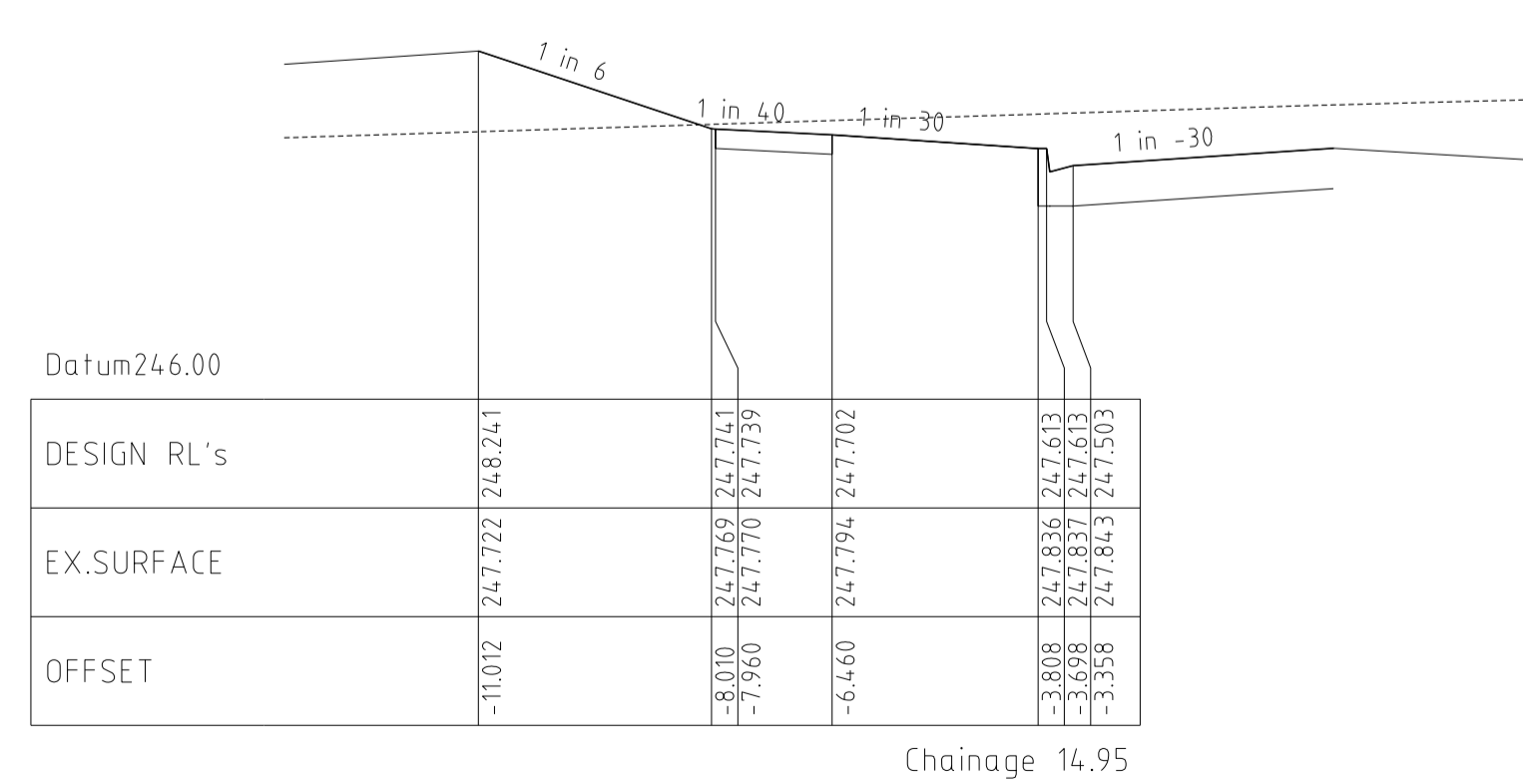
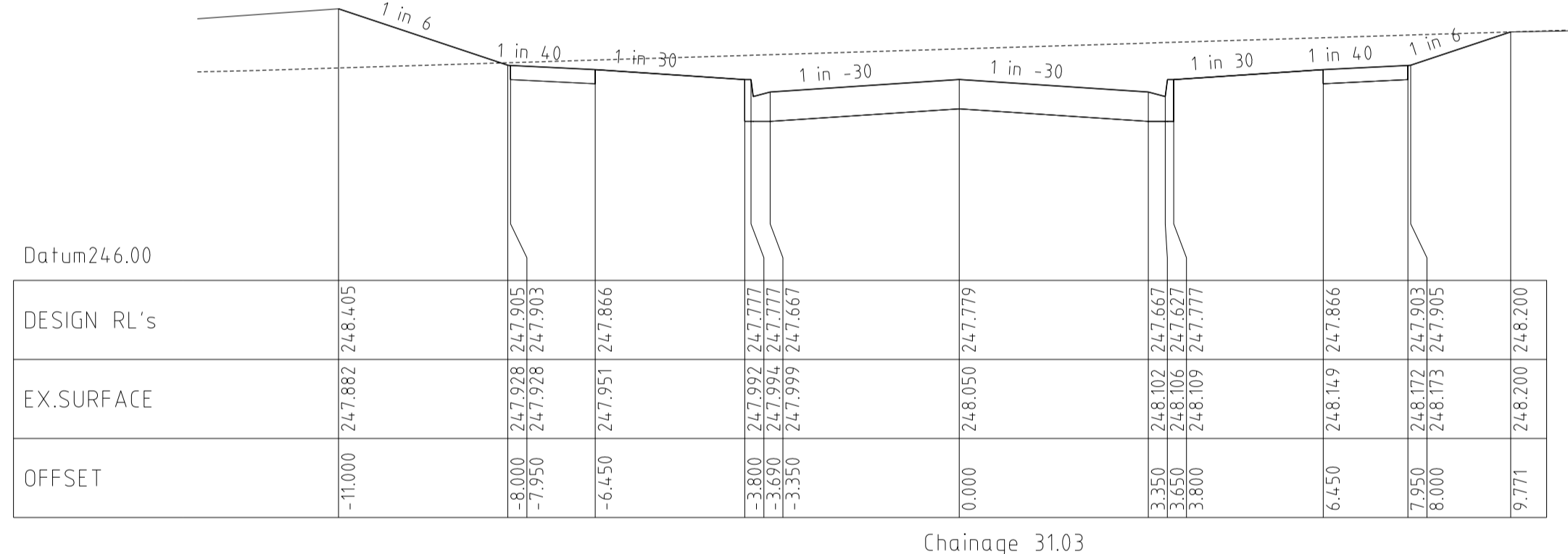
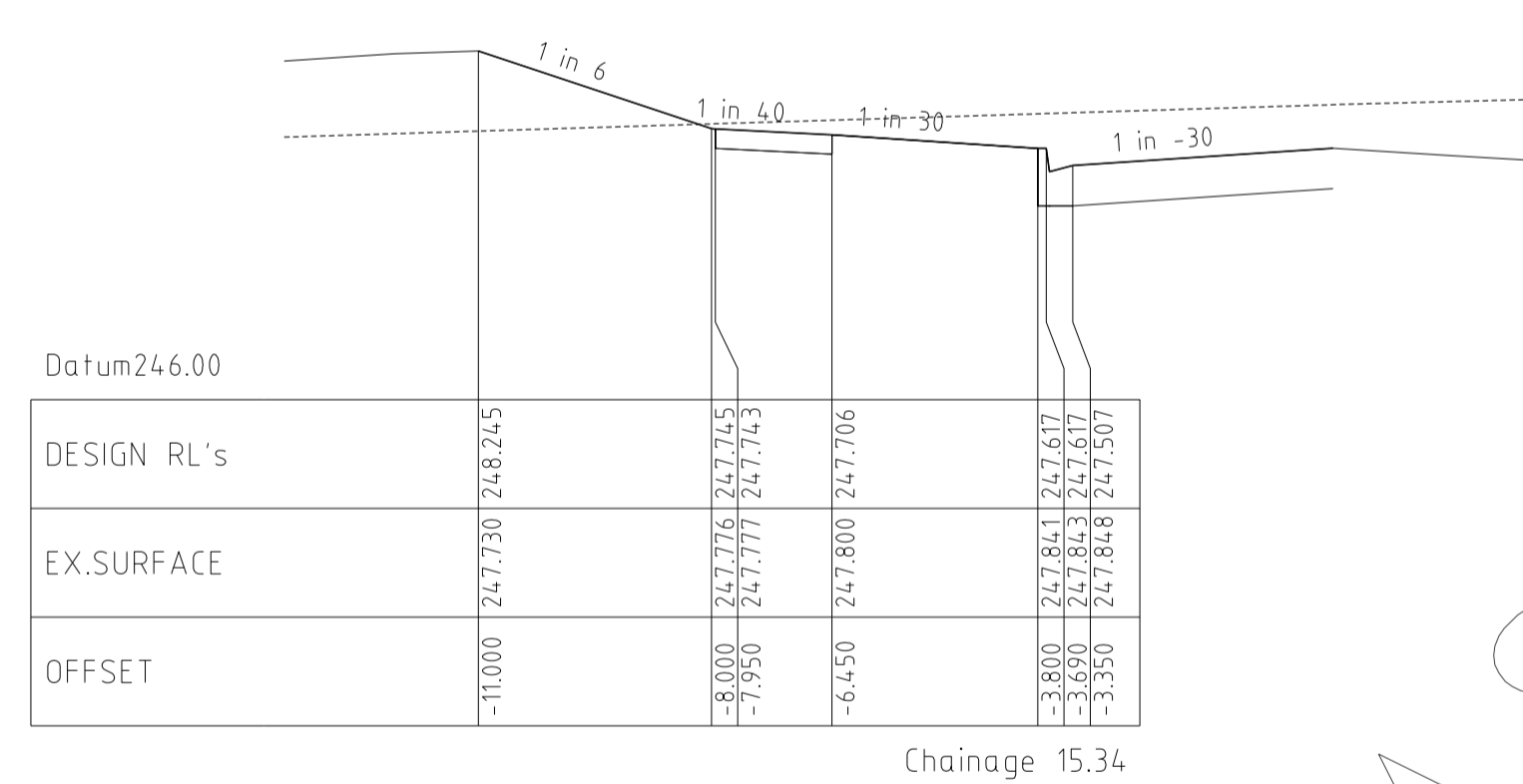
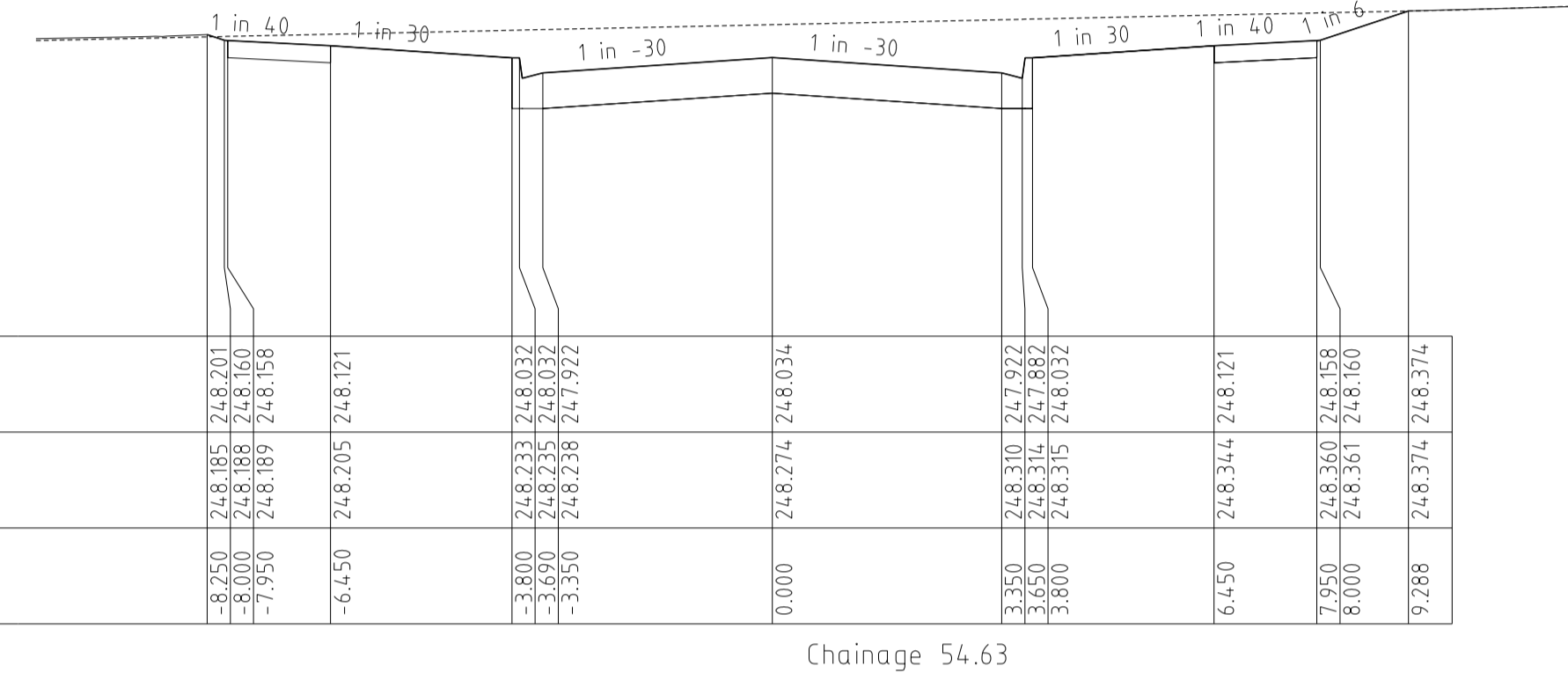
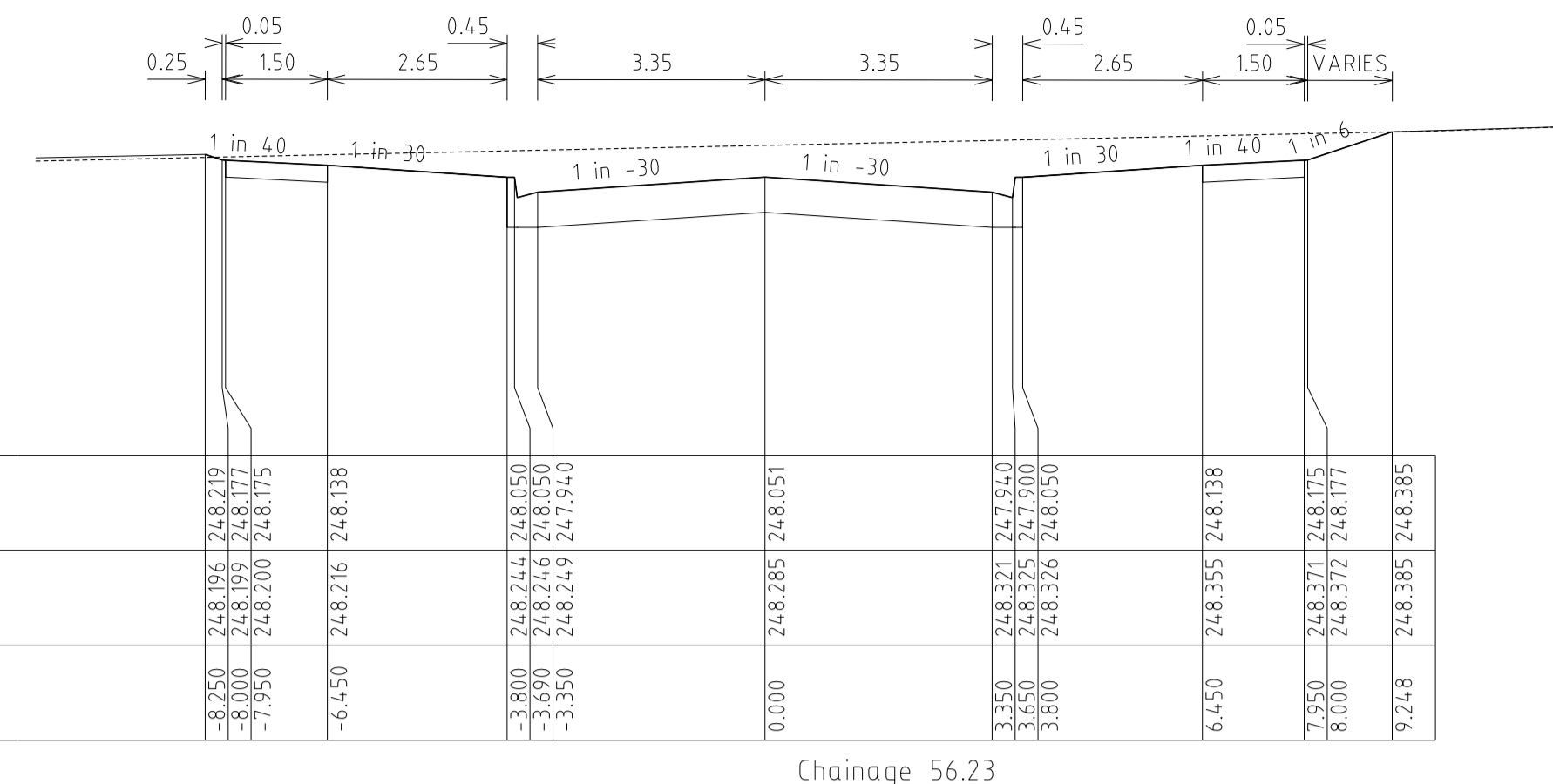
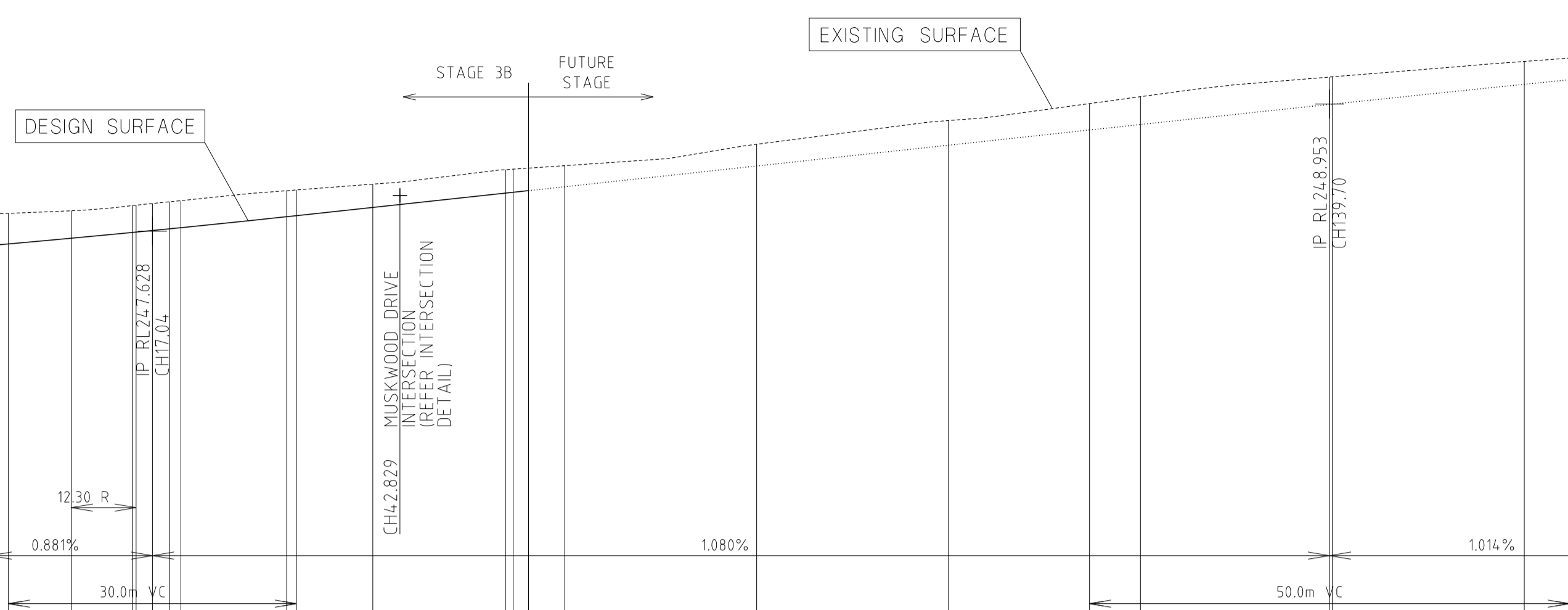
MELBOURNE  
The Melbourne, Suite 2  
25 St. Kilda Road,  
Melbourne, 3002  
Phone: (03) 9497 8000  
Fax: (03) 9497 8099

HUME CITY COUNCIL		PLAN NUMBER
VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 3B MICKLEHAM ROAD AND DRAINAGE PLANS		36182/3B R14
ABLOOM VIEW LONGITUDINAL & CROSS SECTIONS		REVISION N
		SHEET 14 OF 27



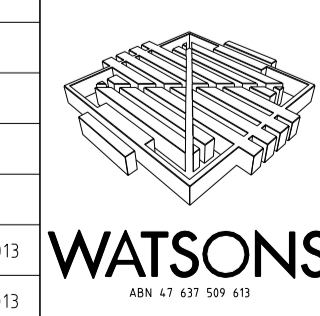
Horizontal Geometry  
Vertical Grade  
VC length

CHAINAGES	0.00	0.13	2.04	8.58	14.95	15.34	17.04	18.84	20.00	31.03	32.04	40.00	53.83	54.53	56.23	60.00	80.00	100.00	114.70	120.00	139.70	140.00	160.00	164.70	
DESIGN CENTRELINE	24.781	24.749	24.749	24.755	24.765	24.769	24.763	24.765	24.765	24.779	24.790	24.787	24.805	24.804	24.805	24.809	24.830	24.852	24.868	24.874	24.923	24.924	24.918	24.915	24.918
EXISTING SURFACE	24.781	24.749	24.749	24.755	24.765	24.769	24.763	24.765	24.765	24.779	24.790	24.787	24.805	24.804	24.805	24.809	24.830	24.852	24.868	24.874	24.923	24.924	24.918	24.915	24.918



AS CONSTRUCTED

REVISIONS			SCALE:	AS SHOWN
DATE	DETAILS	AUTHORISED	DATE PRINTED:	14/02/2014
14/02/14	N	AS CONSTRUCTED	ASC	LEVEL DATA: K:\36182\36182\LT00
22/01/14	M	PARK PATHWAY AMENDMENTS	ASC	DATUM: AHD
8/10/13	L	DRAINAGE LINE 4 & 12 AMENDMENTS	ASC	PROJECT No.: 36182/3B
18/09/13	K	COUNCIL REQUESTED AMENDMENTS	ASC	DRAWN: C.M.B. DATE: MAY 2013
17/09/13	J	COUNCIL REQUESTED AMENDMENTS	ASC	DESIGNED: Z.W.L. DATE: MAY 2013
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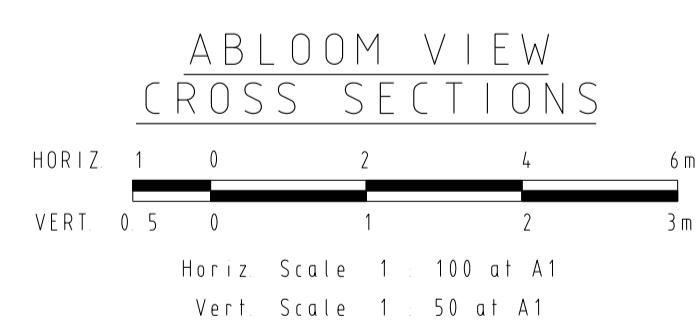
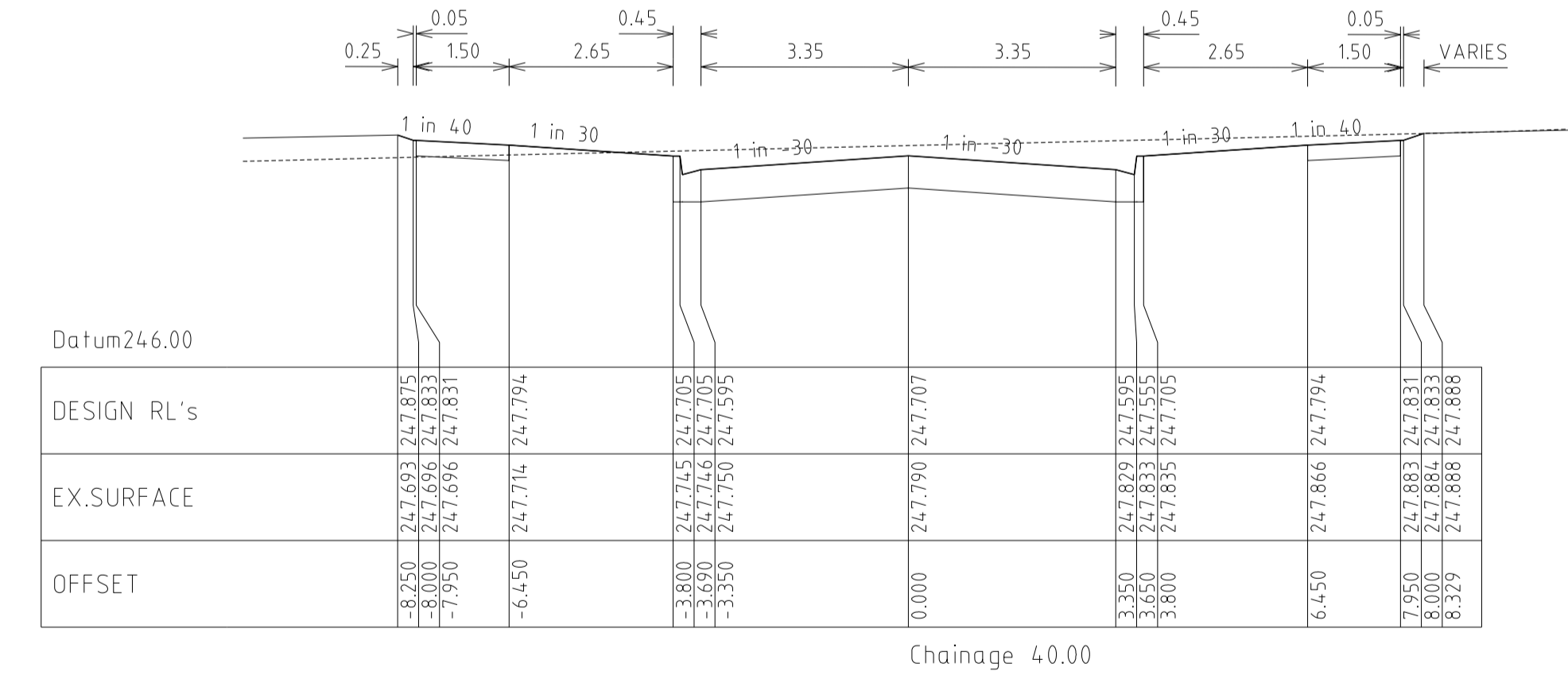
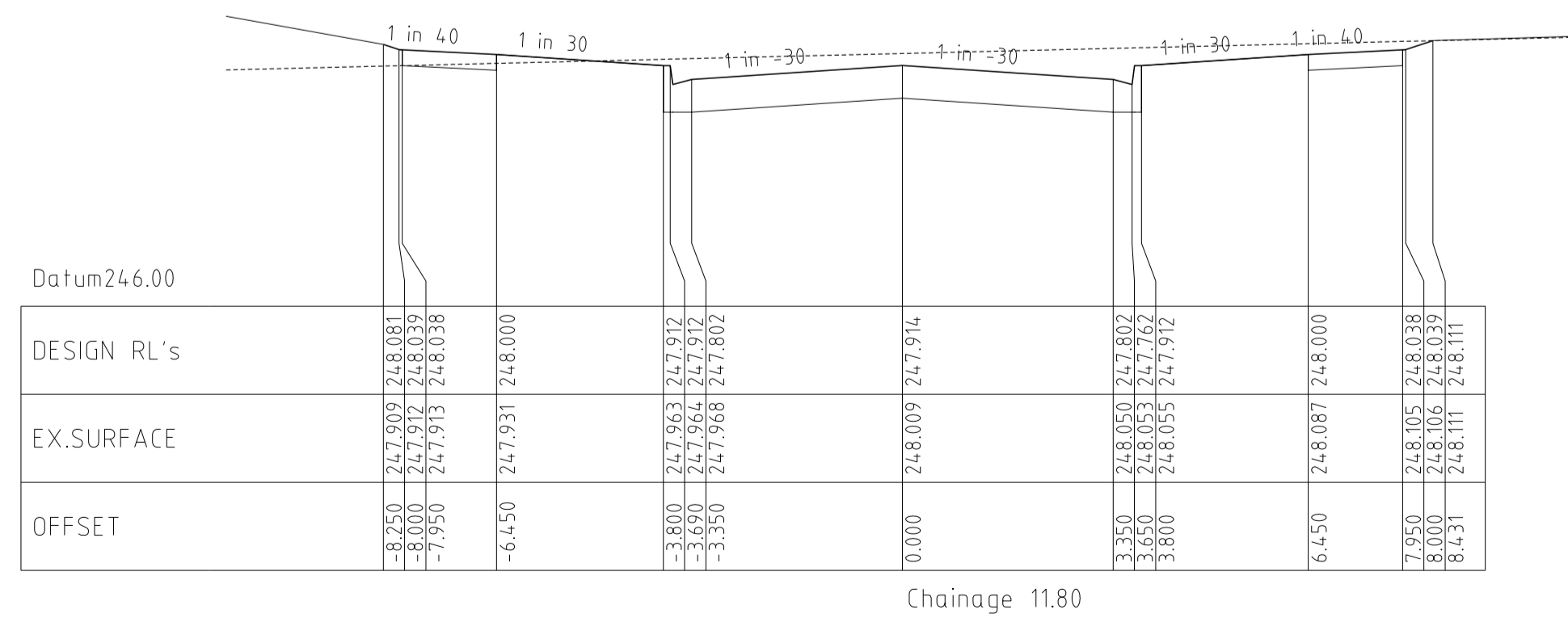
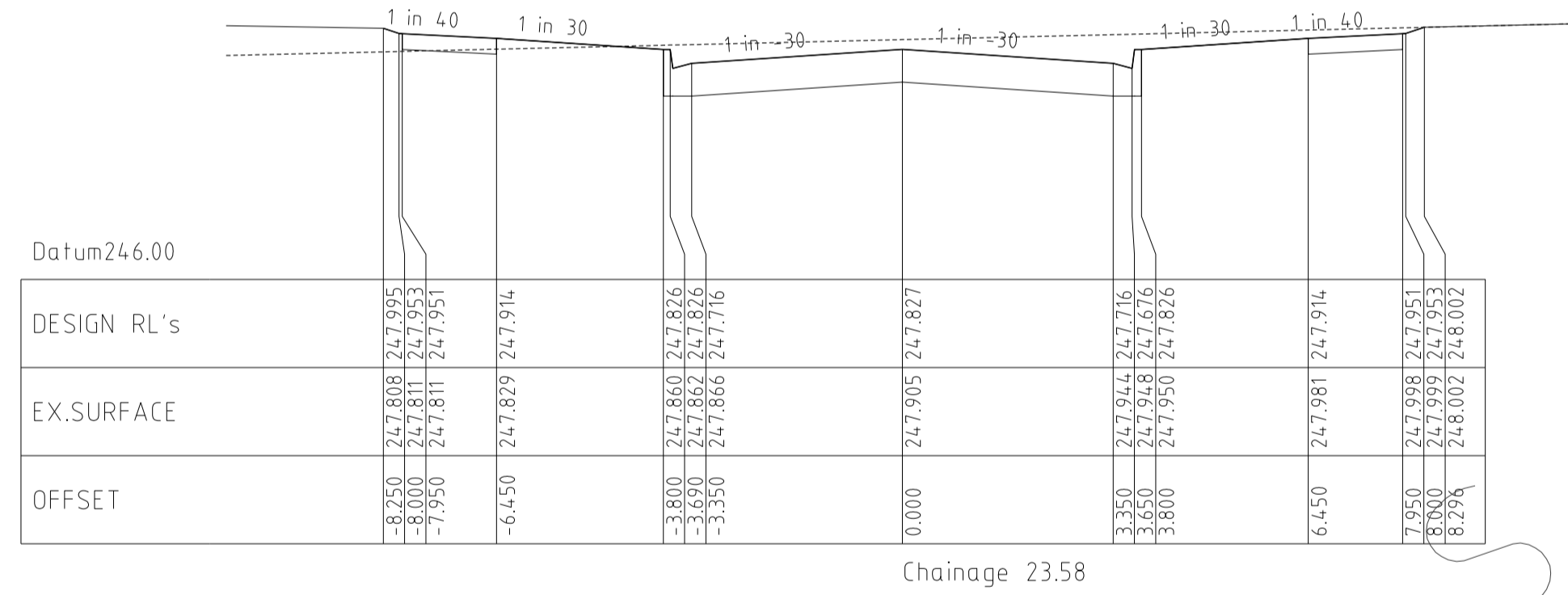
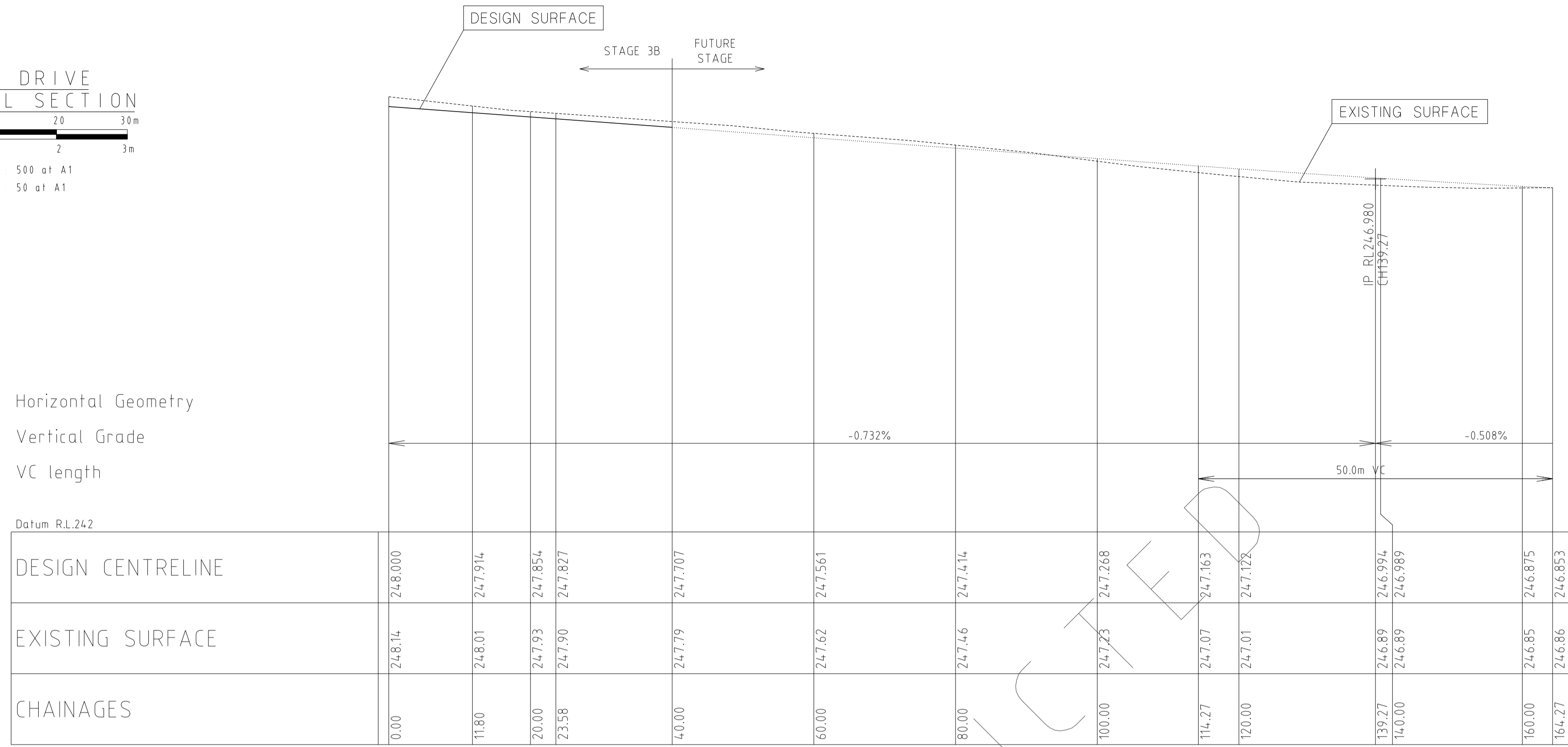
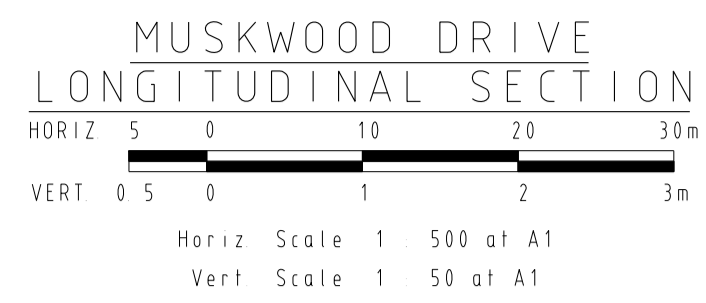


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HUME CITY COUNCIL		PLAN NUMBER
VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 3B MICKLEHAM ROAD AND DRAINAGE PLANS		36182/3B R15
TURION DRIVE LONGITUDINAL & CROSS SECTIONS		REVISION N
		SHEET 15 OF 27





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22/01/14	M	PARK PATHWAY AMENDMENTS	ASC	DATUM: AHD
8/10/13	L	DRAINAGE LINE 4 & 12 AMENDMENTS	ASC	PROJECT No.: 36182/3B
18/09/13	K	COUNCIL REQUESTED AMENDMENTS	ASC	DRAWN: C.M.B DATE: MAY 2013
17/09/13	J	COUNCIL REQUESTED AMENDMENTS	ASC	DESIGNED: Z.W.L DATE: MAY 2013
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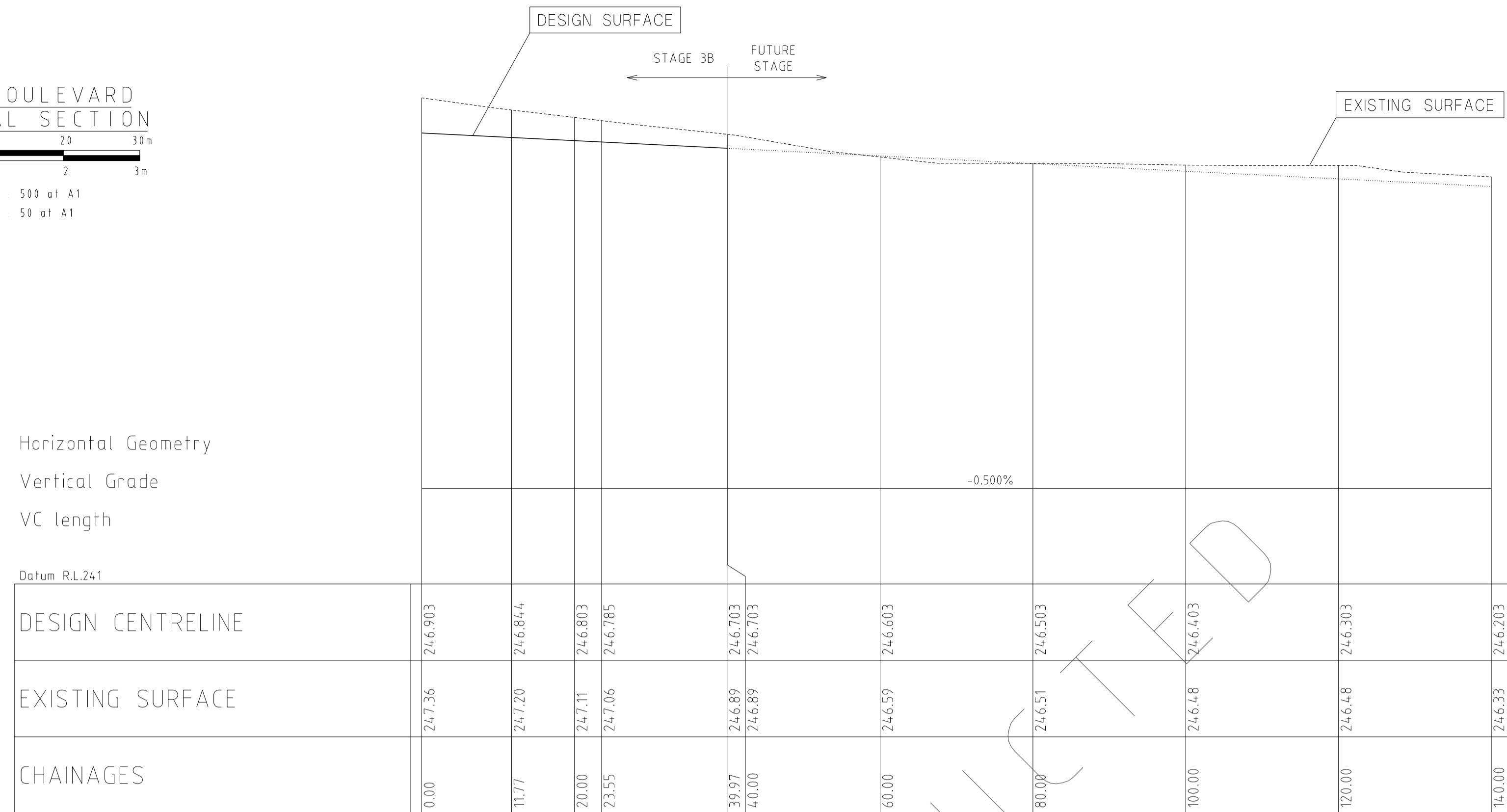
MELBOURNE  
The Melbourne, Suite 2  
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Melbourne, 3002  
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HUME CITY COUNCIL			PLAN NUMBER
VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 3B MICKLEHAM ROAD AND DRAINAGE PLANS			36182/3B R16
MUSKWOOD DRIVE LONGITUDINAL & CROSS SECTIONS			REVISION N
			SHEET 16 OF 27

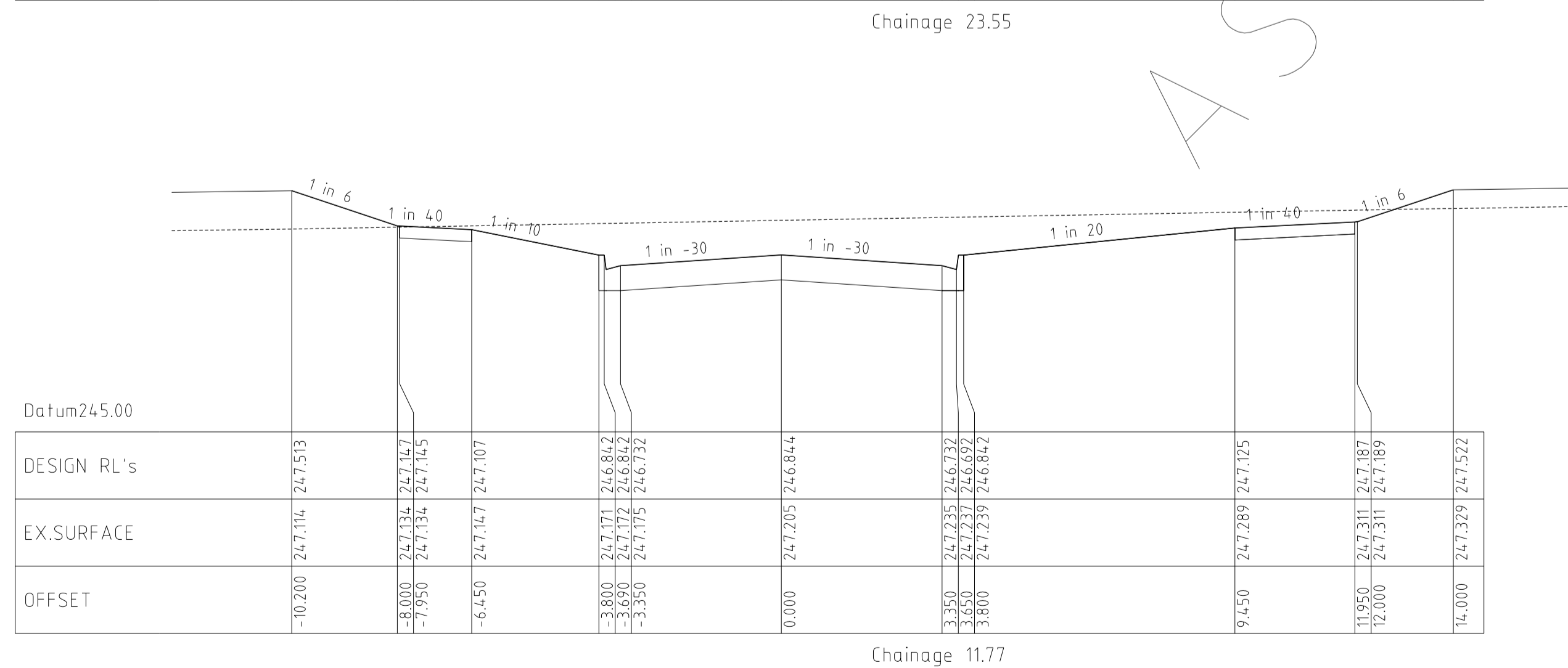
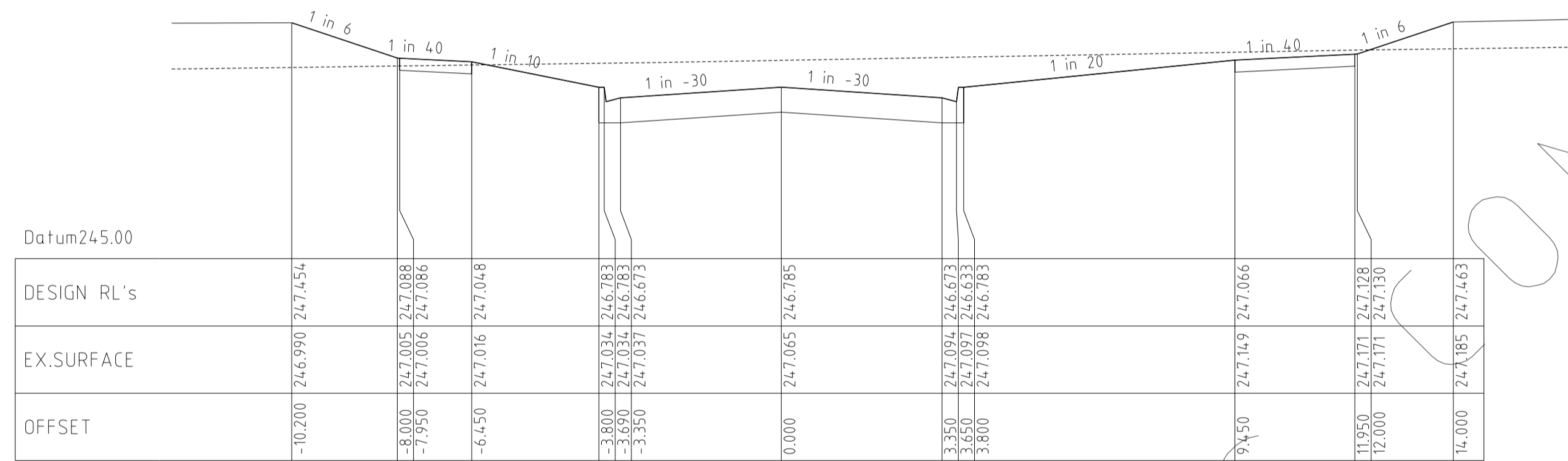
OLEANDER BOULEVARD  
LONGITUDINAL SECTION

HORIZ 0 5 10 20 30m  
VERT 0 5 10 20 30m

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



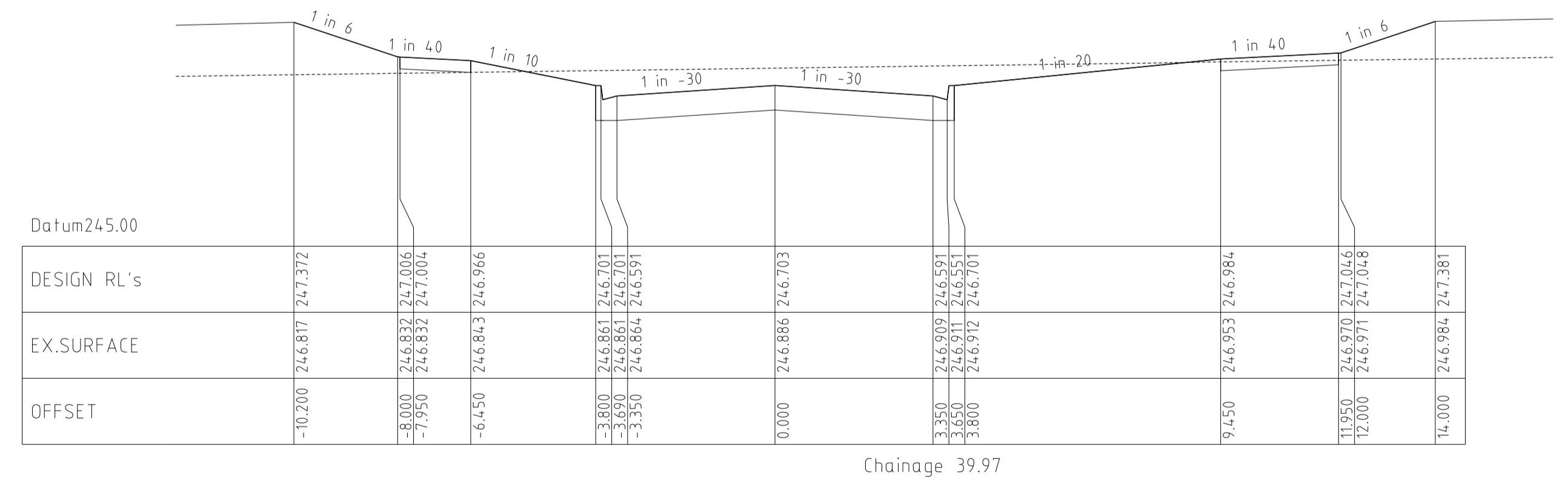
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EXISTING SURFACE	24.7.36	24.7.20	24.6.84.4	24.6.80.3	24.6.78.5	24.6.70.3	24.6.60.3	24.6.50.3	24.6.40.3	24.6.30.3	24.6.20.3
CHAINAGES											



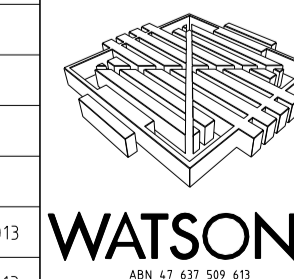
OLEANDER BOULEVARD  
CROSS SECTIONS

HORIZ 0 1 2 4 6m  
VERT 0 5 10 20 30m

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



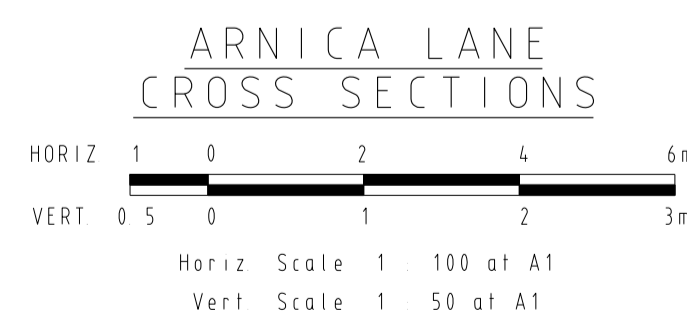
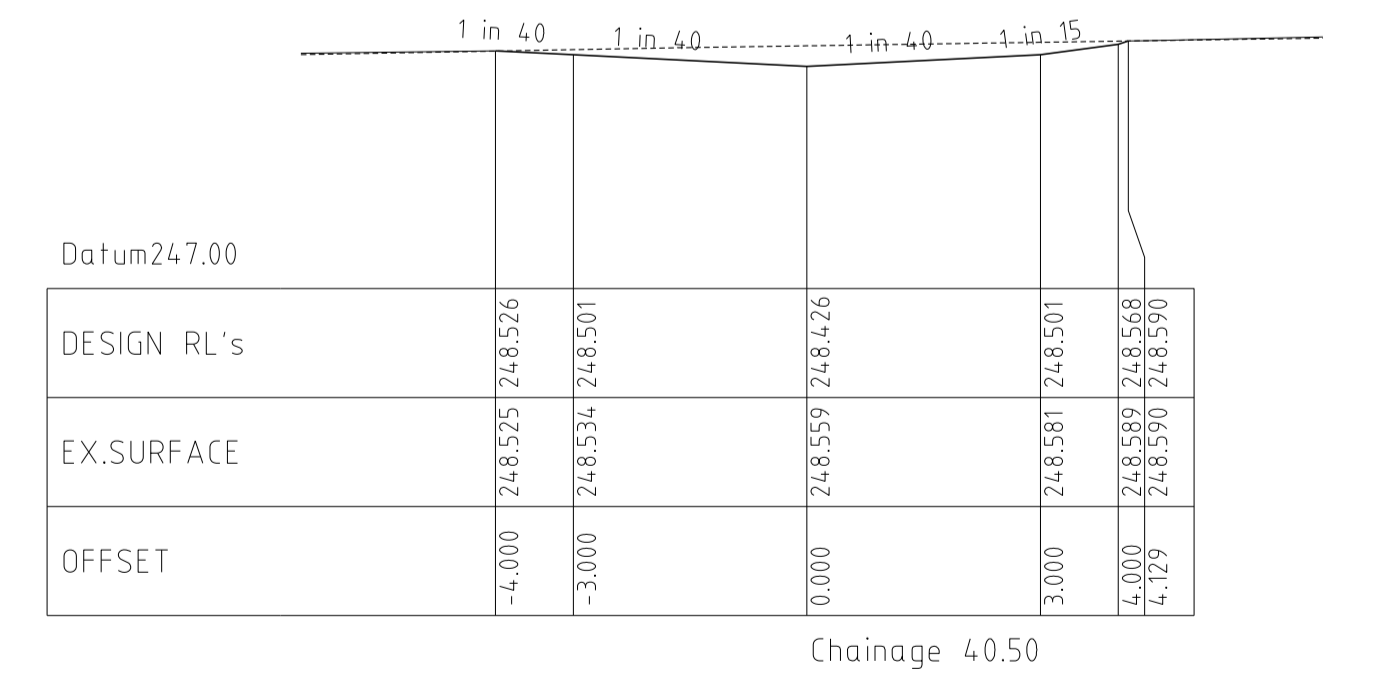
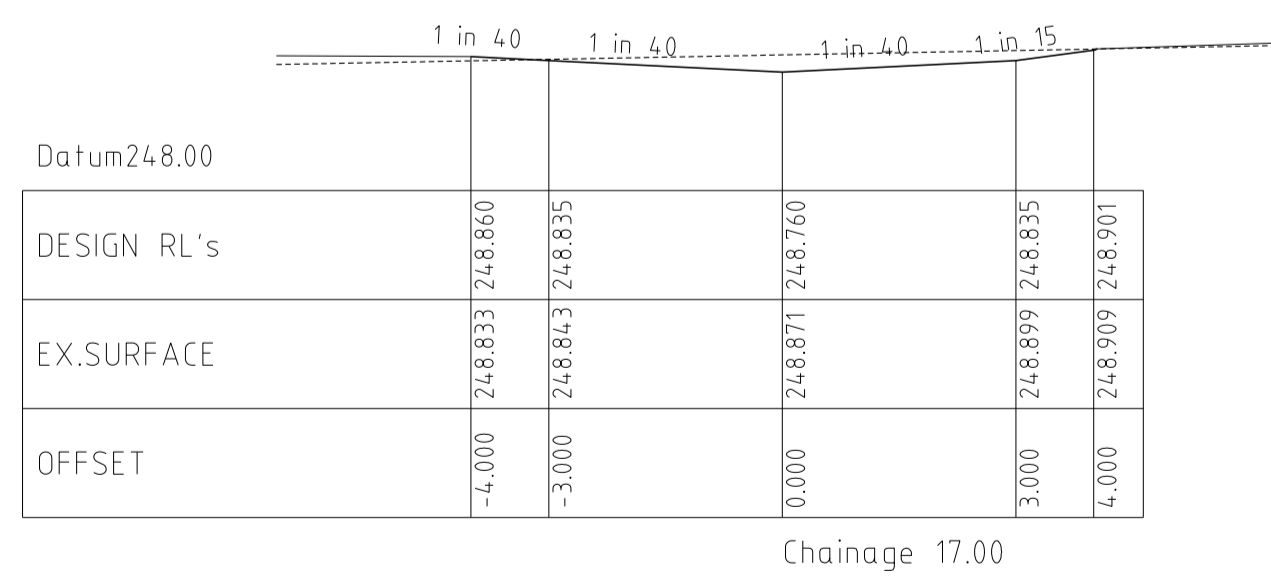
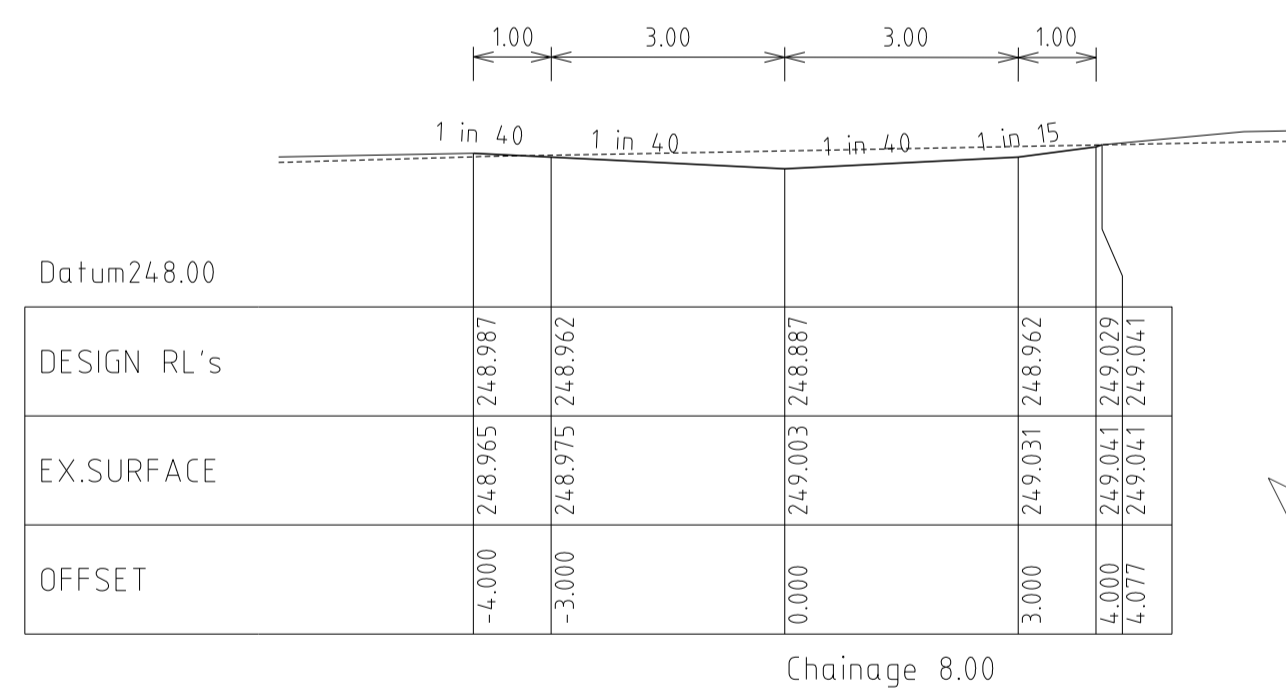
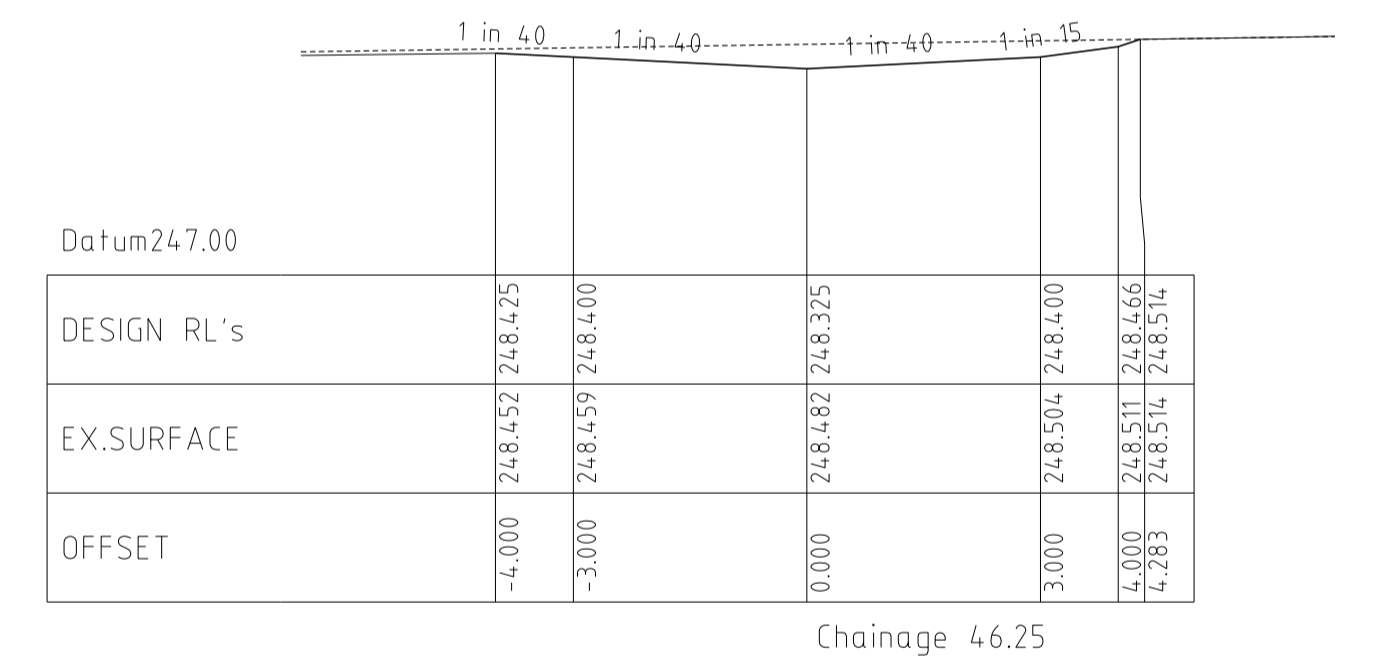
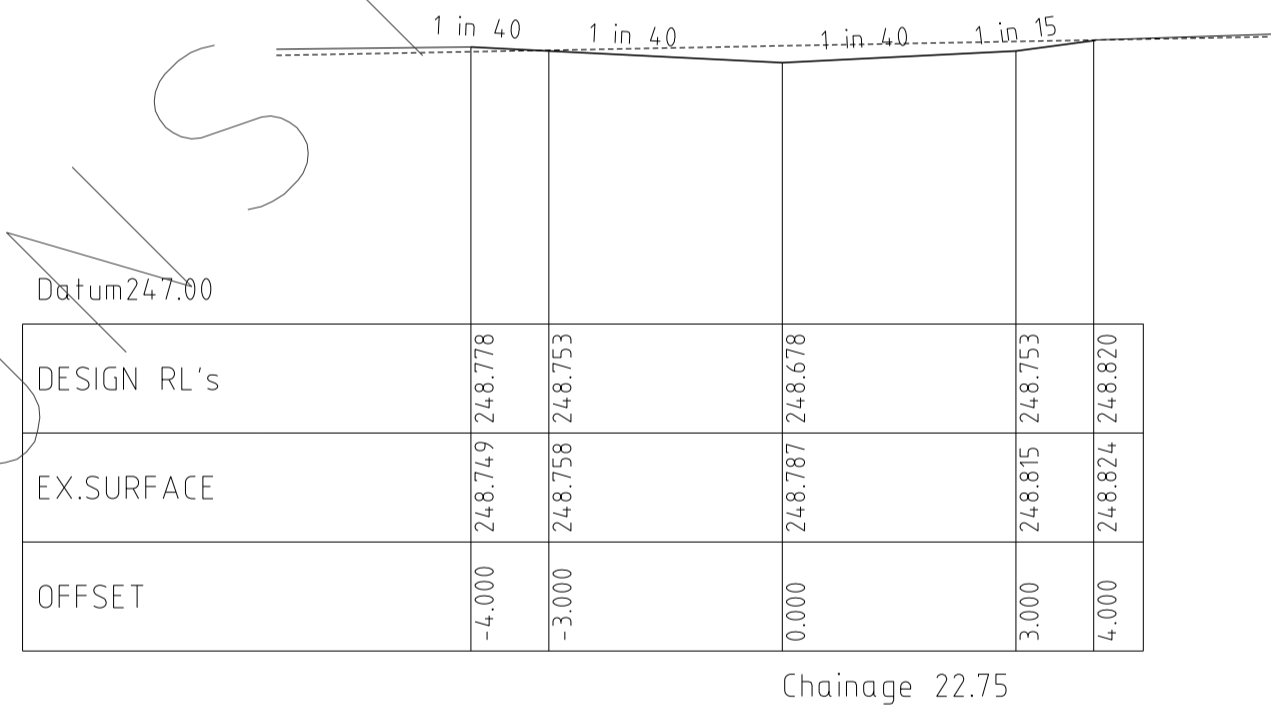
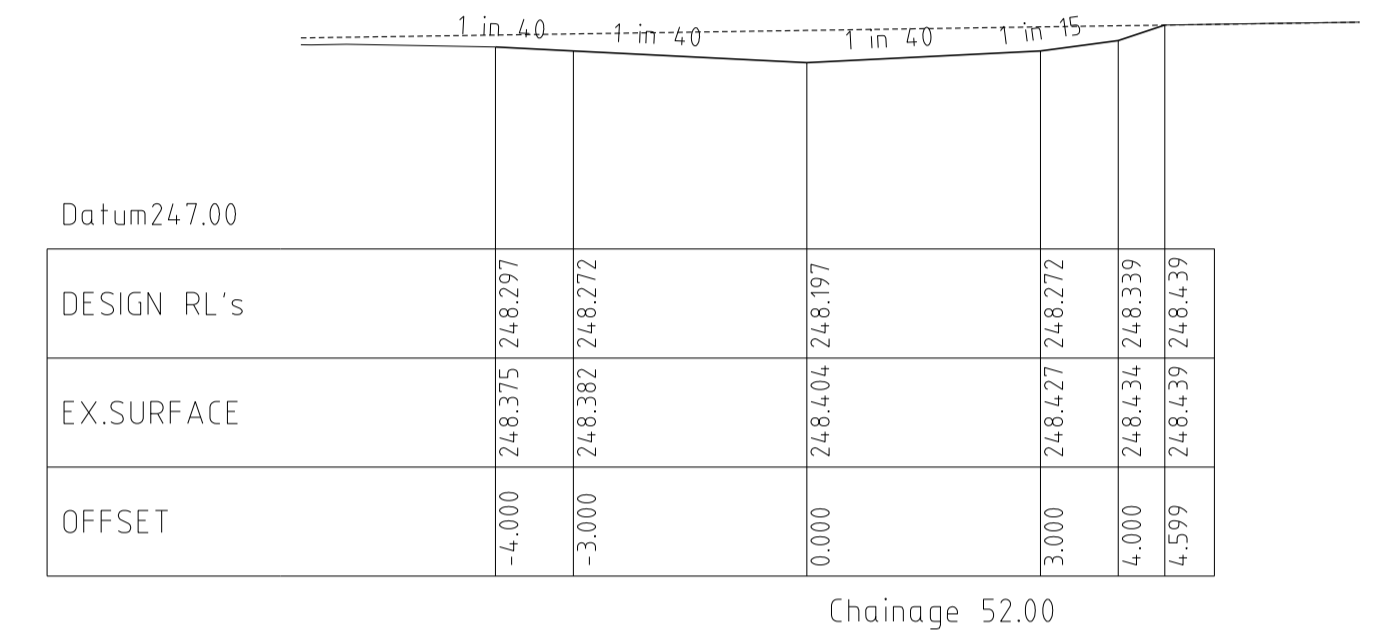
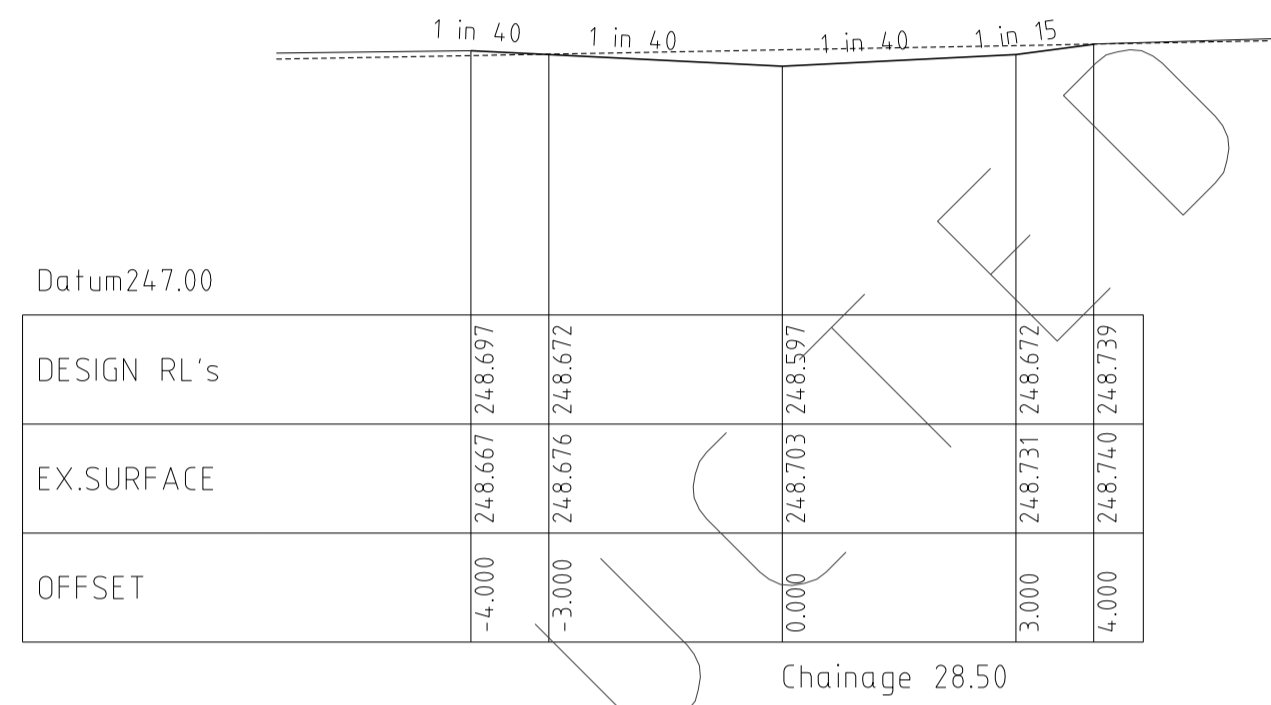
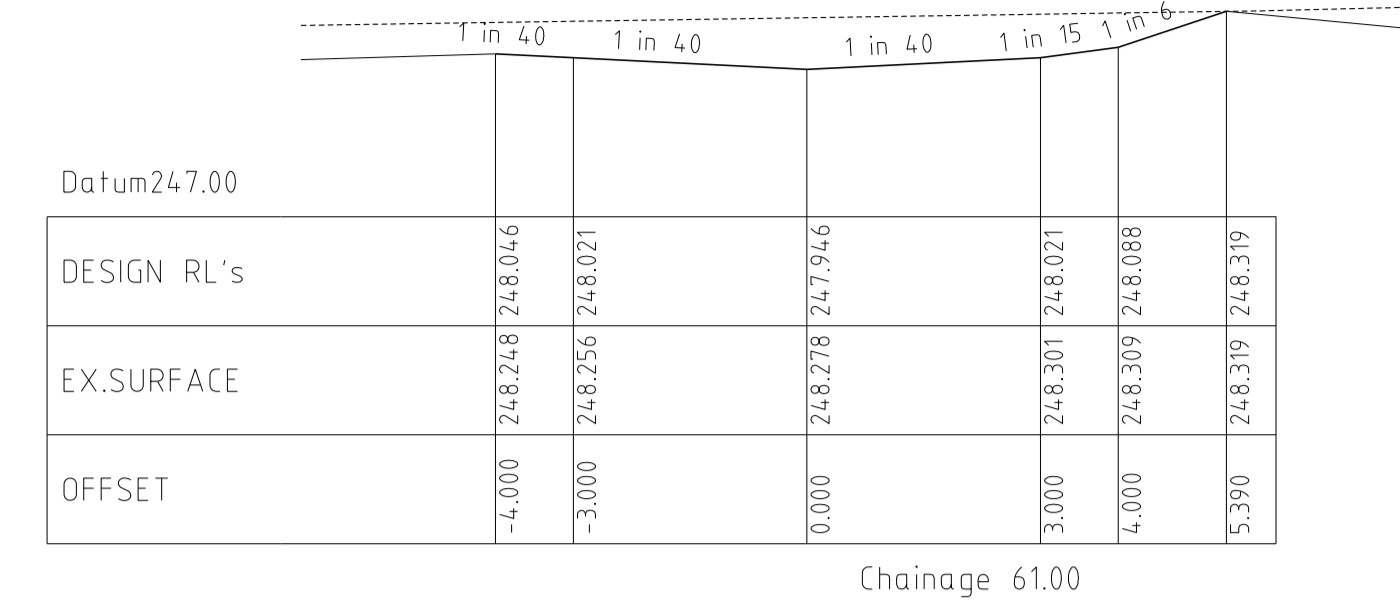
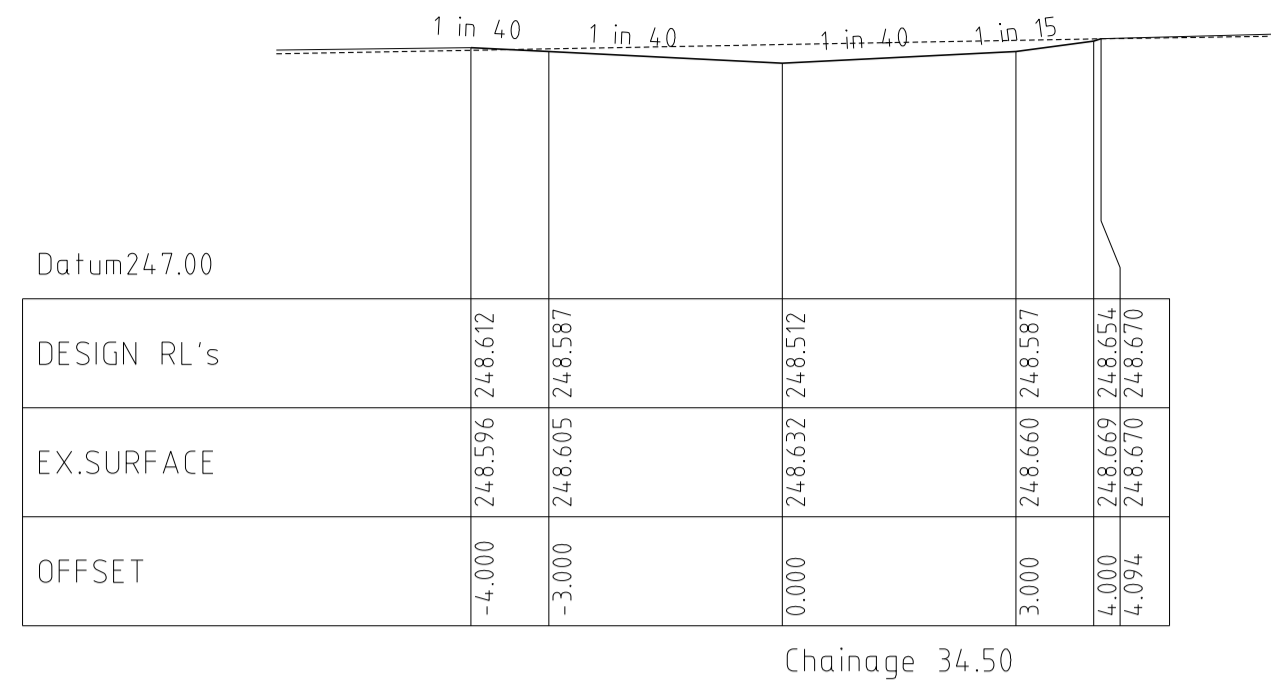
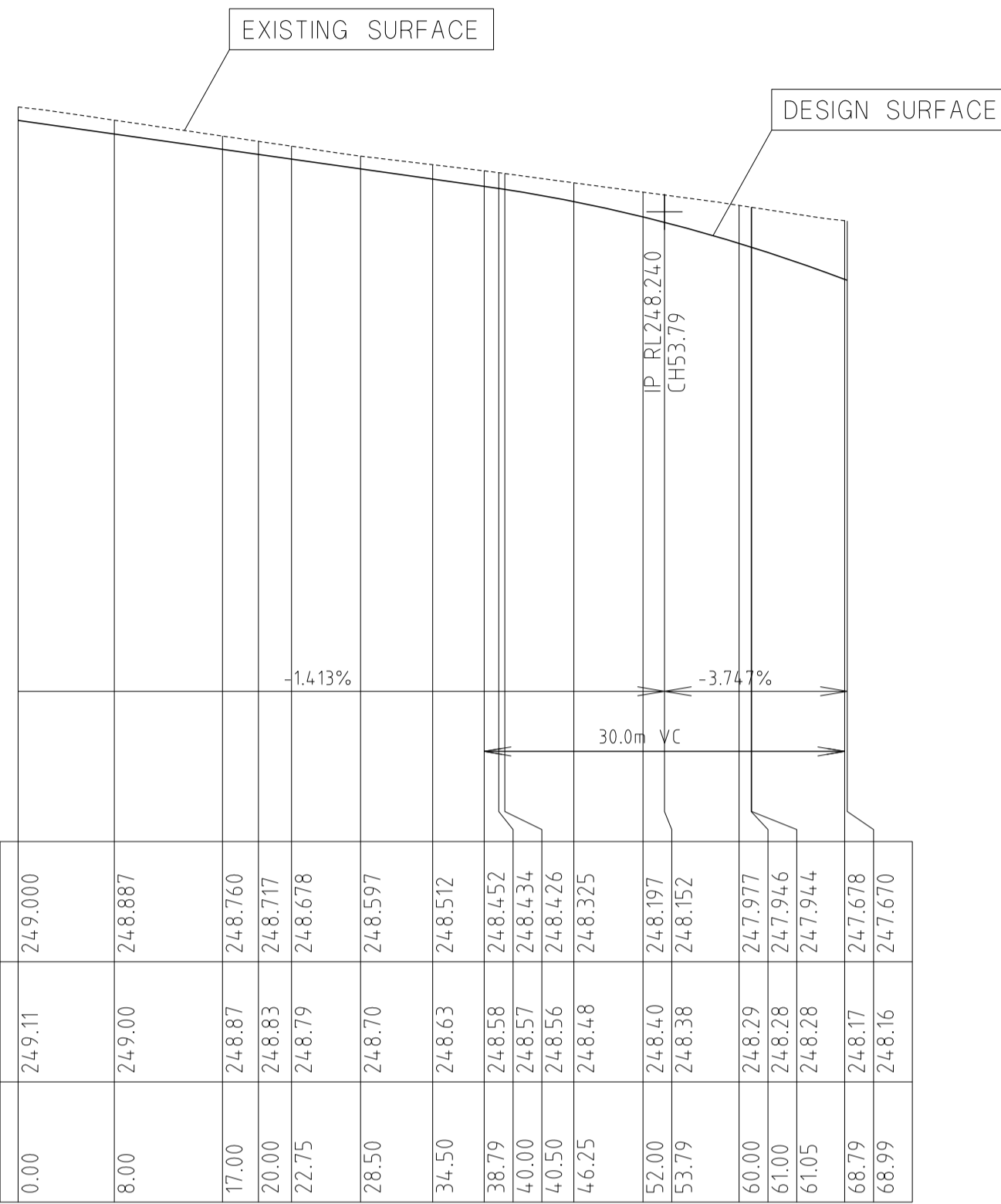
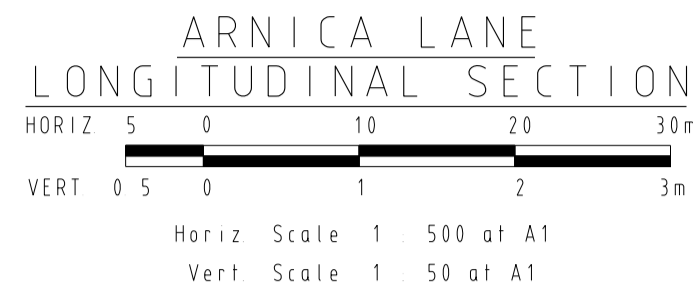
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17/09/13	J	ASC	DRAWN: C.M.B DATE: MAY 2013
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HUME CITY COUNCIL		PLAN NUMBER
VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 3B MICKLEHAM ROAD AND DRAINAGE PLANS		36182/3B R17
OLEANDER BOULEVARD LONGITUDINAL & CROSS SECTIONS		REVISION N
		SHEET 17 OF 27



AS  
CONSTRUCTED

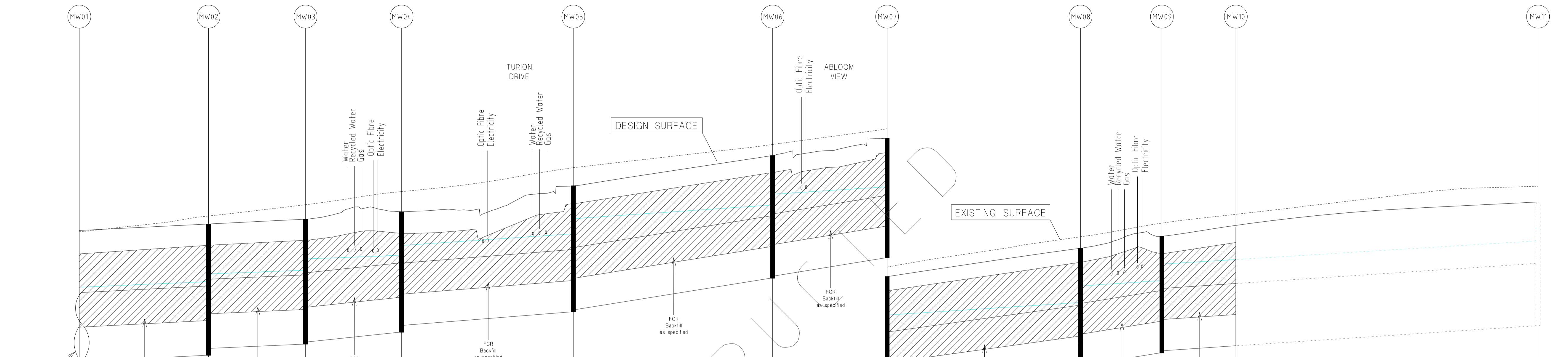
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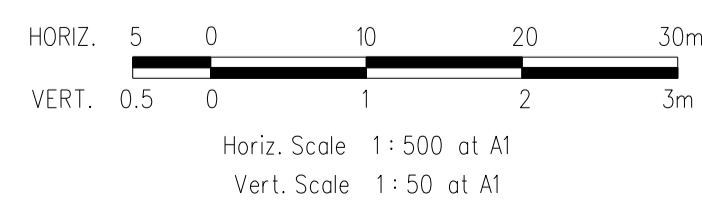
<b>HUME CITY COUNCIL</b>		PLAN NUMBER
VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 3B MICKLEHAM ROAD AND DRAINAGE PLANS		36182/3B R18
ARNICA LANE LONGITUDINAL & CROSS SECTIONS		REVISION N
		SHEET 18 OF 27



	MW01	MW02	MW03	MW04	MW05	MW06	MW07	MW08	MW09	MW10	MW11
CAPACITY (m3/s)		5.001	4.627	7.104	4.714	6.699	6.696	6.227	6.605	4.346	4.347
FLOW (m3/s)		4.568	4.330	4.341	4.371	4.377	4.244	4.265	4.266	4.117	4.195
VELOCITY (m/s)		3.207	2.975	4.219	3.738	4.987	4.950	4.683	4.904	3.453	3.458
PIPE SIZE (mm)		1500RCP	1500RCP	1500RCP	1350RCP	1350RCP	1350RCP	1350RCP	1350RCP	1350RCP	1350RCP
GRADE		1 in 200	1 in 234	1 in 99.1	1 in 128	1 in 63.5	1 in 63.6	1 in 73.5	1 in 65.4	1 in 151	1 in 151
Datum R.L.	238.000							241.000			
DEPTH TO INVERT		245.220 245.388	245.505 245.675	245.754 245.999	246.078 246.293	246.543 246.876	247.164 247.401	247.557 247.782	248.049 248.411	248.524 248.887	249.386 249.605
H.G.L. LEVELS		243.720 243.770	243.910 244.060	244.150 244.200	244.410 244.560	244.850 244.900	245.580 245.630	246.020 246.070	246.640 246.690	246.960 247.010	247.550 247.605
INVERT LEVELS		243.720 243.770	243.910 244.063	244.150 244.200	244.410 244.560	244.850 244.900	245.580 245.630	246.020 246.070	246.640 246.690	246.960 247.010	247.550 247.605
FINISHED SURFACE LEVELS		246.615	246.755	246.860	247.020	247.582	248.239	248.616	249.230	249.489	250.615
CHAINAGE (LENGTH)	0.000	28.000	49.025	69.835	107.040	150.240	175.040	216.954	234.601	250.615	316.094

**DRAINAGE LONGITUDINAL SECTIONS**

NOTE:  
LOCATION OF GAS, WATER,  
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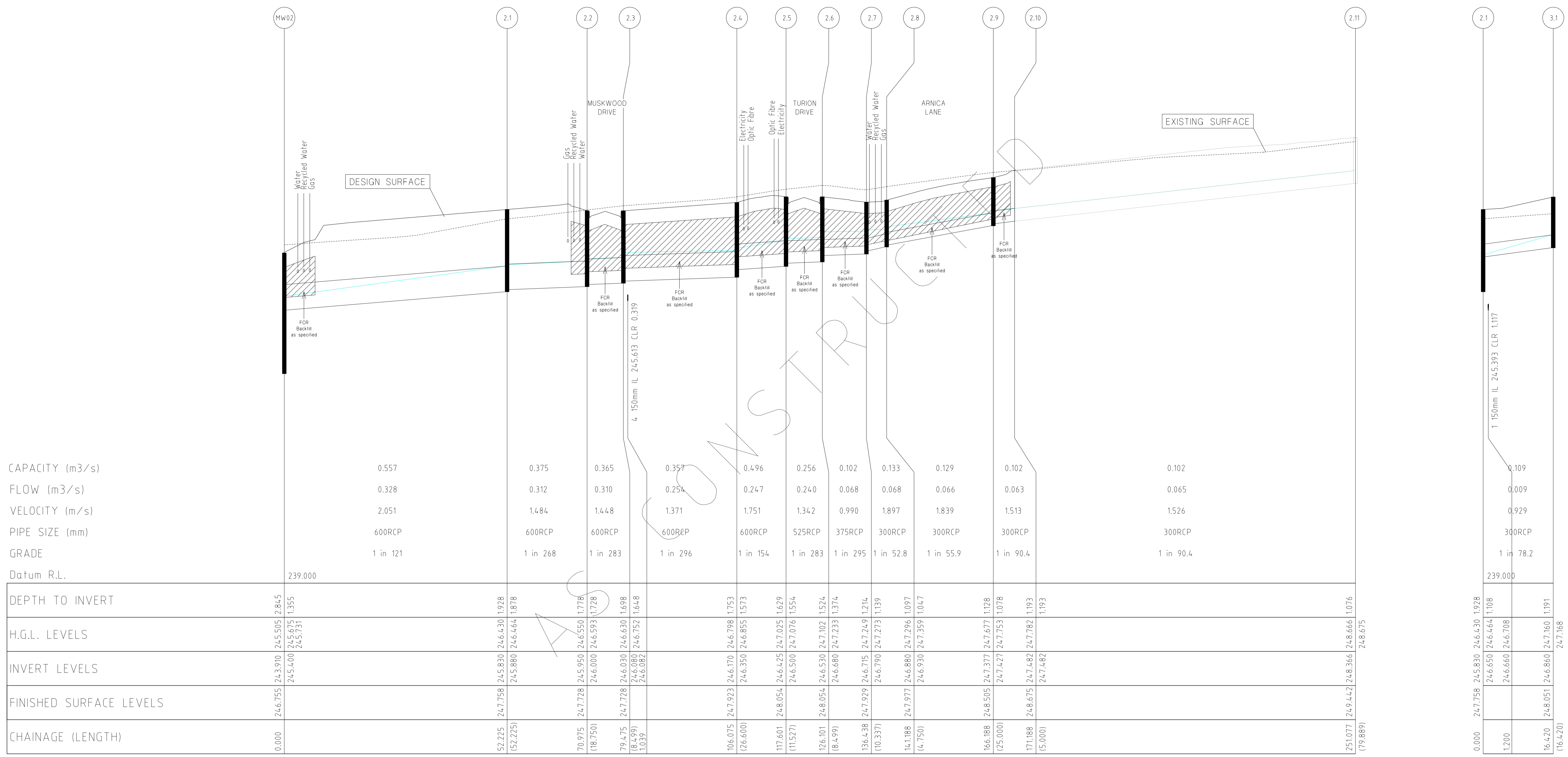
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08/10/13	L	DRAINAGE LINE 4 & 12 AMENDMENTS	DATUM: AHD
18/09/13	K	COUNCIL REQUESTED AMENDMENTS	PROJECT No.: 36182/3B
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			DESIGNED: Z.W.L. DATE: MAY 2013
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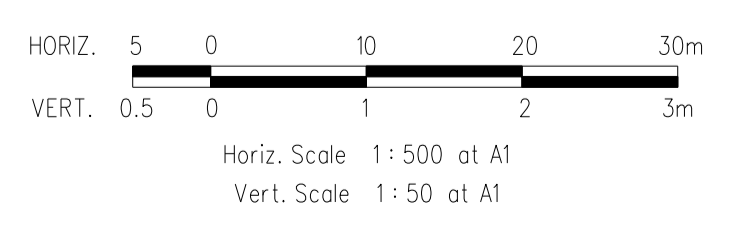
HUME CITY COUNCIL		PLAN NUMBER
VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 3B MICKLEHAM ROAD AND DRAINAGE PLANS		36182/3B R 19
DRAINAGE LONGITUDINAL SECTION		REVISION N
		SHEET 19 OF 27



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

DRAINAGE LONGITUDINAL SECTIONS

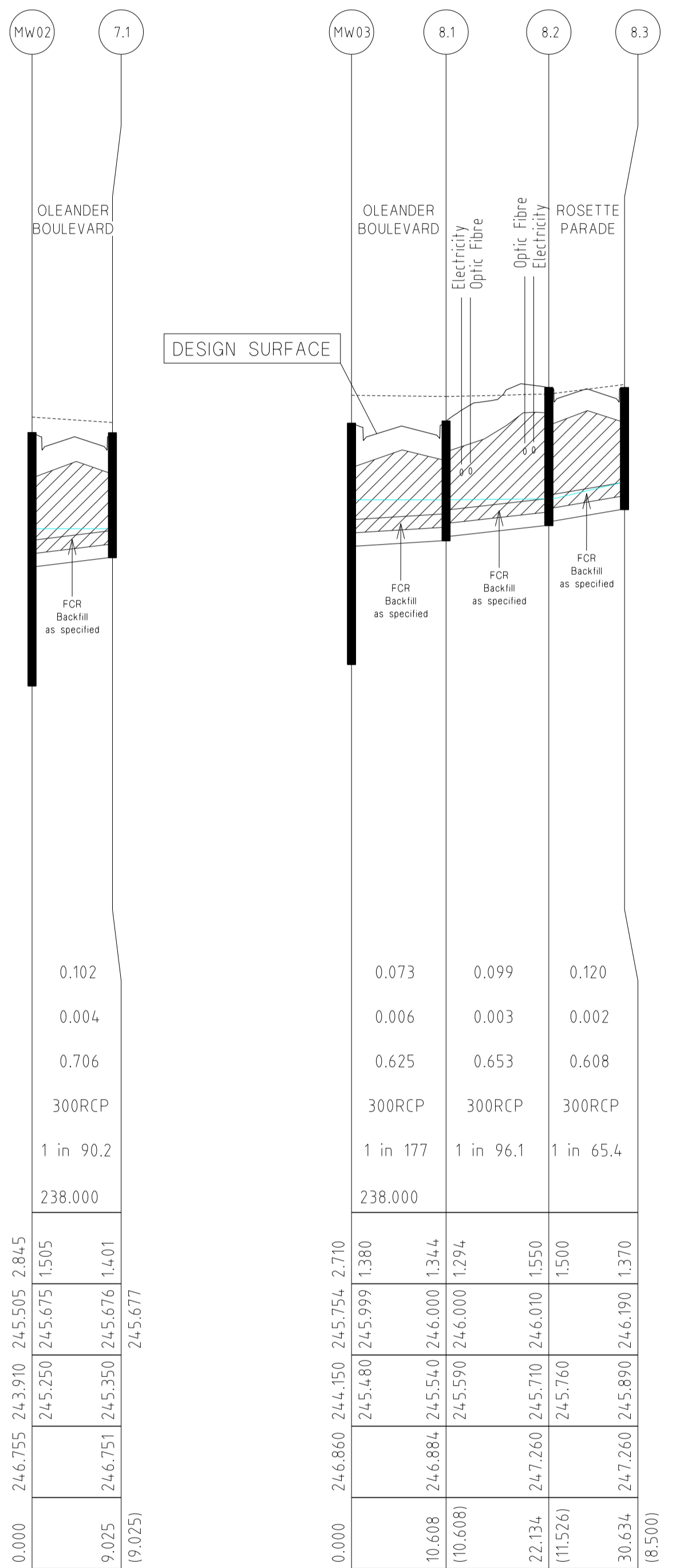
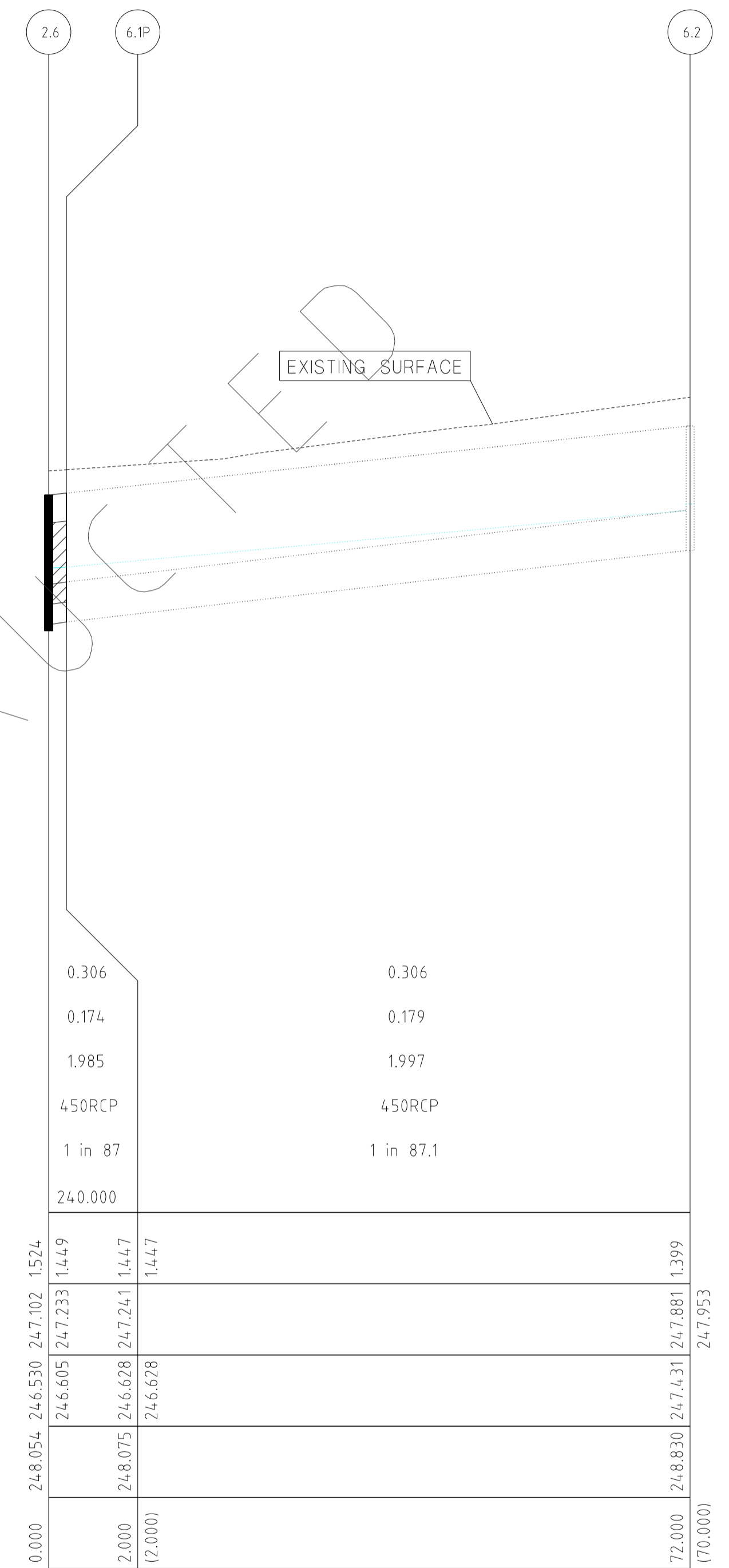
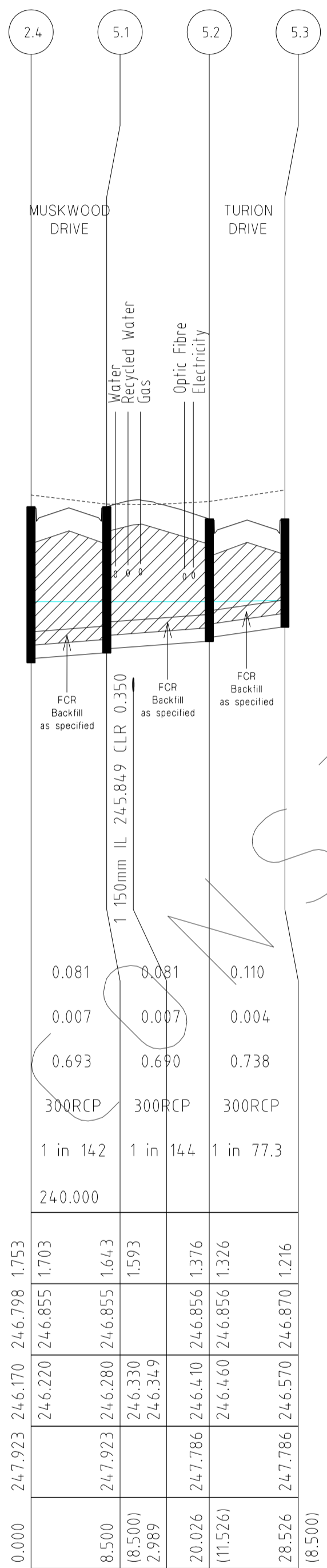
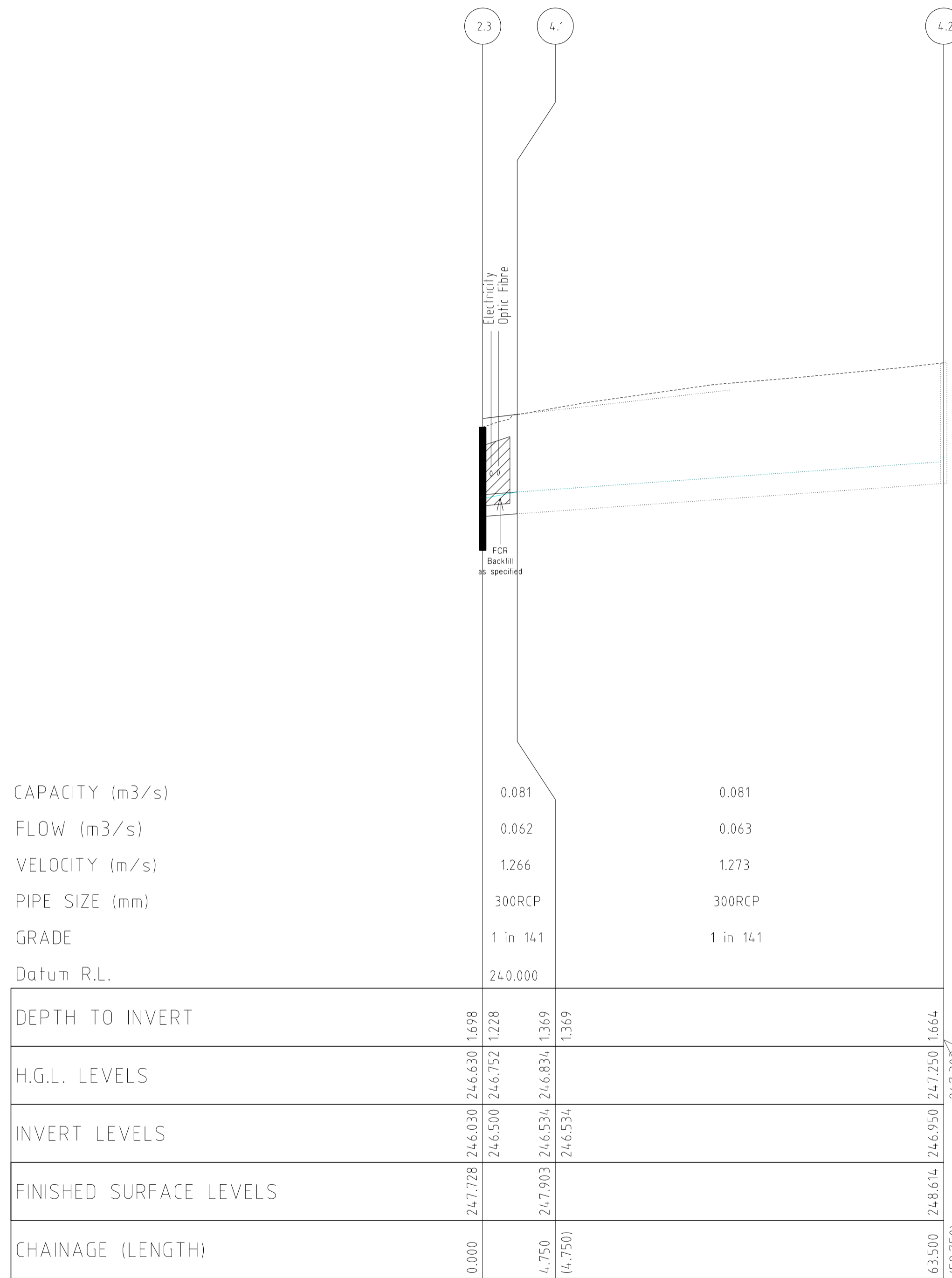
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18/09/13	K	COUNCIL REQUESTED AMENDMENTS	ASC	DRAWN: C.M.B. DATE: MAY 2013
17/09/13	J	COUNCIL REQUESTED AMENDMENTS	ASC	DESIGNED: Z.W.L. DATE: MAY 2013
FILENAME k:\36182\36182\3b\dgn\r20.dgn			AUTHORISED:	A.S.C. DATE: MAY 2013

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HUME CITY COUNCIL		PLAN NUMBER
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DRAINAGE LONGITUDINAL SECTIONS		REVISION N
		SHEET 20 OF 27



CAPACITY (m3/s)	0.081	0.081
FLOW (m3/s)	0.062	0.063
VELOCITY (m/s)	1.266	1.273
PIPE SIZE (mm)	300RCP	300RCP
GRADE	1 in 141	1 in 141
Datum R.L.	240.000	

DEPTH TO INVERT	247.728	246.030	246.630	1.698			
H.G.L. LEVELS	246.500	246.752	1.228				
INVERT LEVELS	246.534	246.534	1.369				
FINISHED SURFACE LEVELS	247.923	246.614	1.664				
CHAINAGE (LENGTH)	0.000	4.750	14.750	63.500	247.250	1.664	247.305

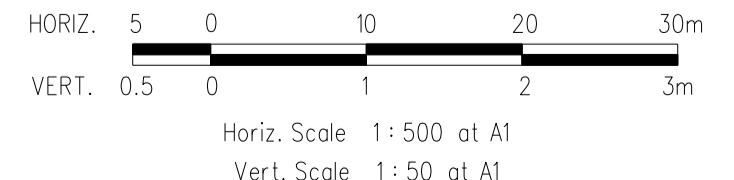
DEPTH TO INVERT	246.220	246.855	1.703				
H.G.L. LEVELS	246.280	246.855	1.643				
INVERT LEVELS	246.330	246.349	1.593				
FINISHED SURFACE LEVELS	247.923	246.410	246.856	1.376			
CHAINAGE (LENGTH)	8.500	20.026	28.526	18.500	246.870	1.216	

DEPTH TO INVERT	246.605	247.233	1.449				
H.G.L. LEVELS	246.628	247.241	1.447				
INVERT LEVELS	246.628	246.628	1.447				
FINISHED SURFACE LEVELS	248.054	247.102	1.524				
CHAINAGE (LENGTH)	2.000	12.000	18.000	72.000	247.431	1.399	247.953

DEPTH TO INVERT	245.250	245.675	1.505				
H.G.L. LEVELS	245.480	245.999	1.380				
INVERT LEVELS	245.540	246.000	1.344				
FINISHED SURFACE LEVELS	246.860	244.150	245.754	2.710			
CHAINAGE (LENGTH)	10.608	22.134	30.634	18.500	245.760	1.370	

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

DRAINAGE LONGITUDINAL SECTIONS



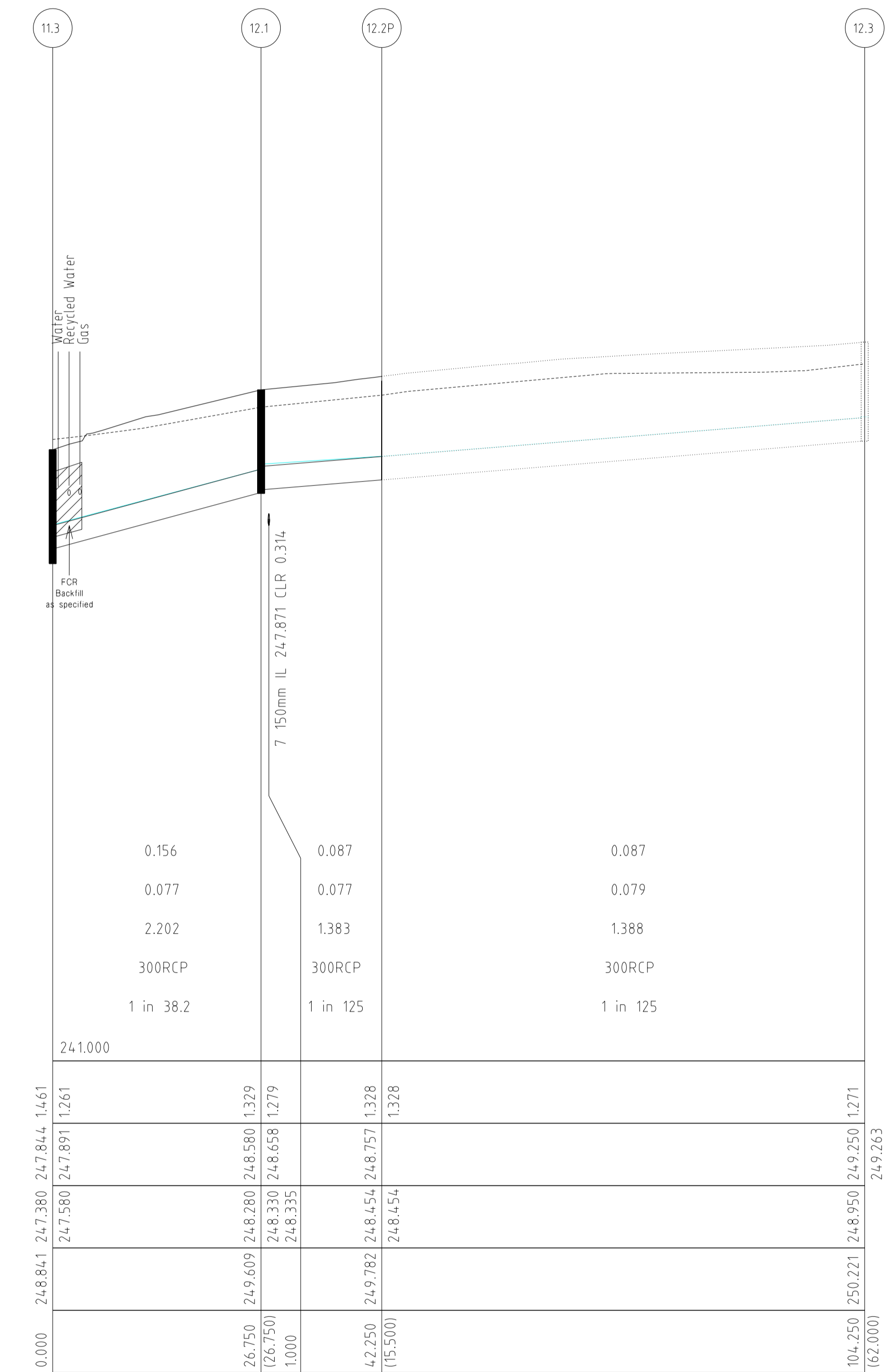
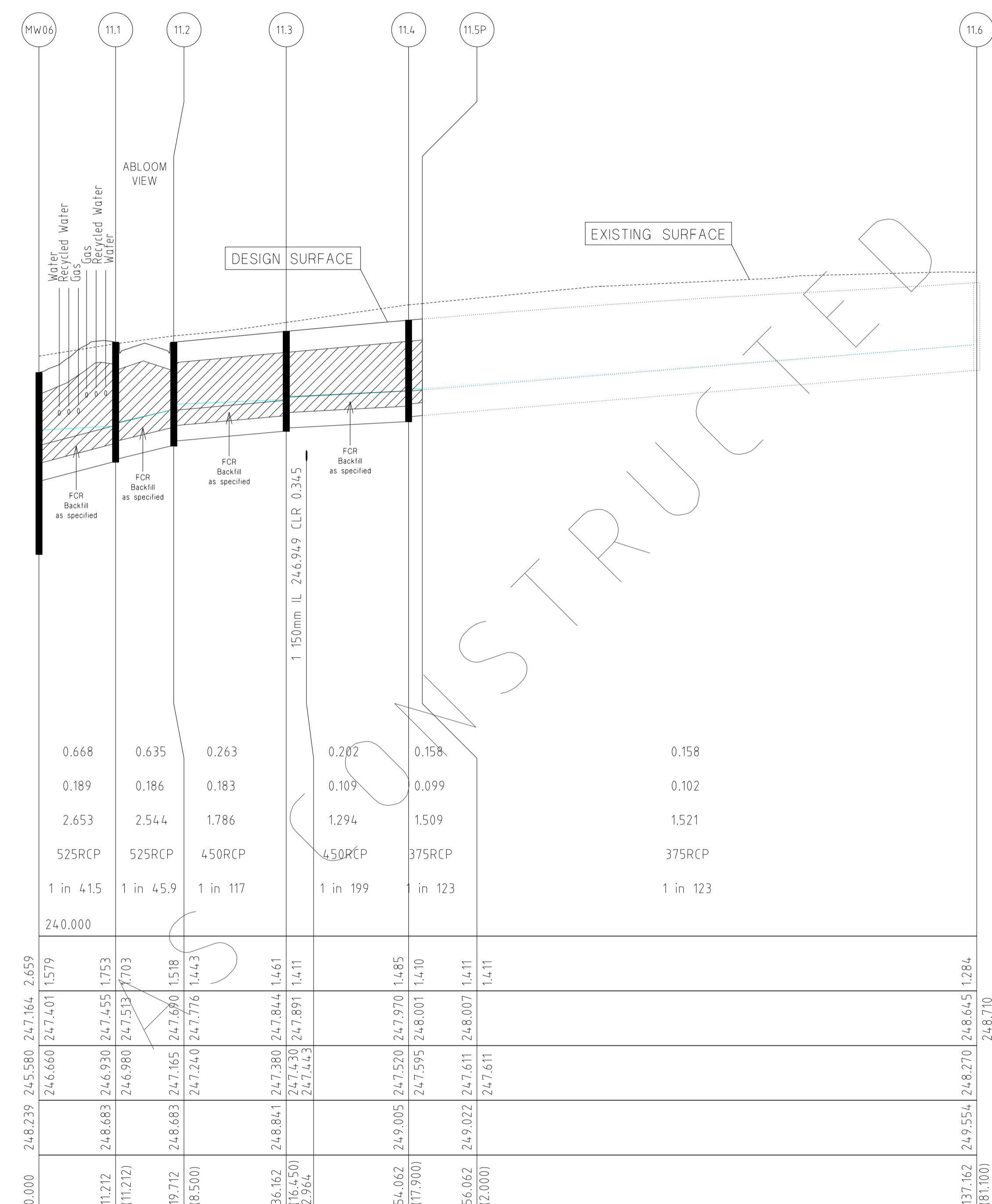
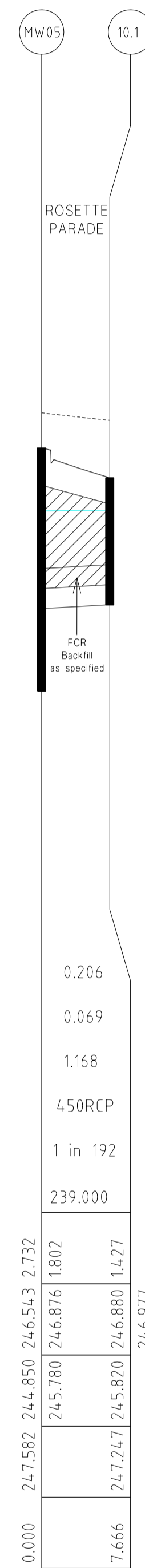
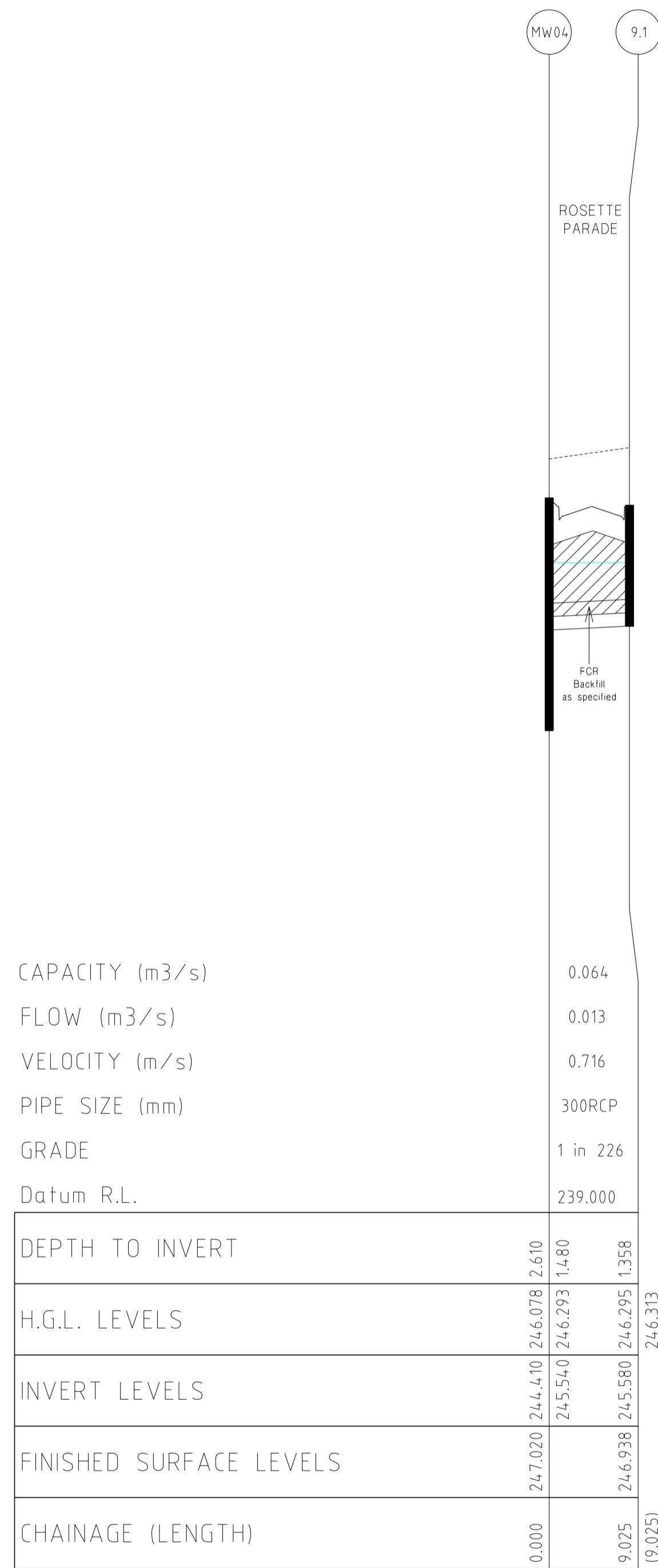
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18/09/13	K	COUNCIL REQUESTED AMENDMENTS	ASC	DRAWN: C.M.B DATE: MAY 2013
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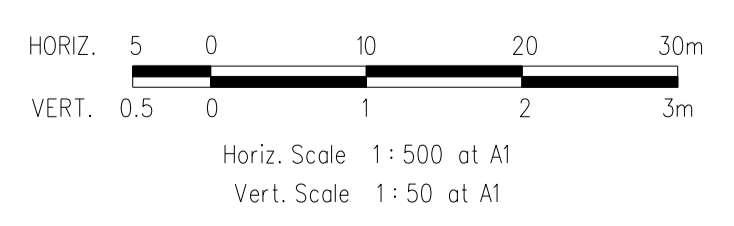
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VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 3B MICKLEHAM ROAD AND DRAINAGE PLANS		36182/3B R21
DRAINAGE LONGITUDINAL SECTIONS		REVISION N
		SHEET 21 OF 27



DRAINAGE LONGITUDINAL SECTIONS

NOTE:  
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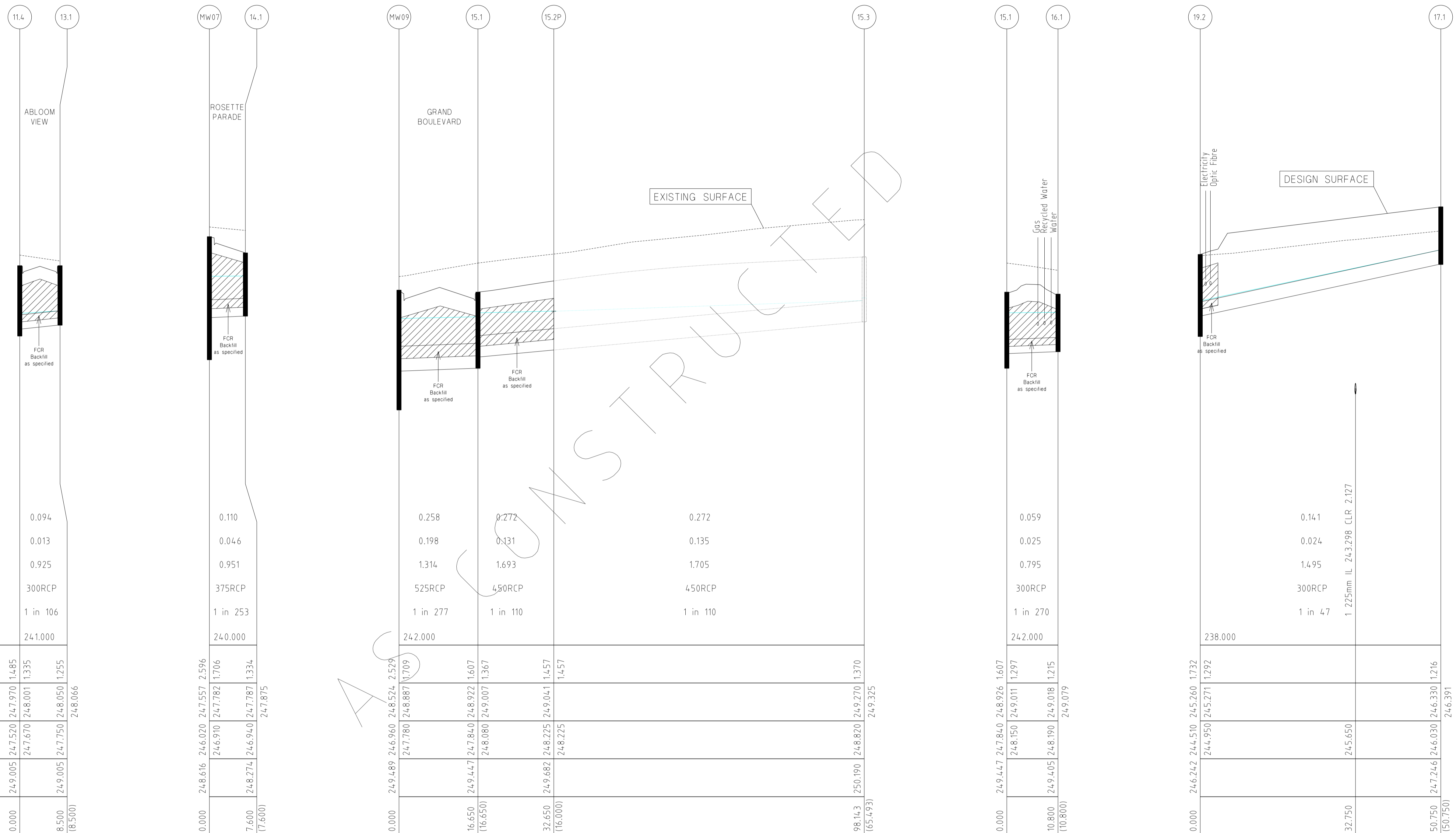
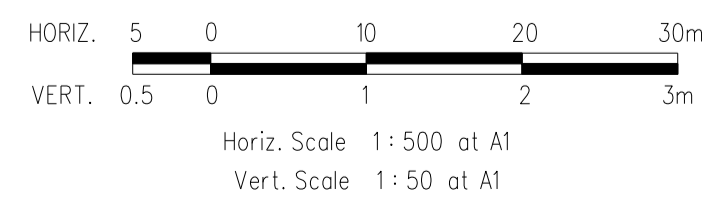
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VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 3B MICKLEHAM ROAD AND DRAINAGE PLANS		36182/3B R22
DRAINAGE LONGITUDINAL SECTIONS		REVISION N
		SHEET 22 OF 27

CAPACITY (m3/s)	0.094
FLOW (m3/s)	0.013
VELOCITY (m/s)	0.925
PIPE SIZE (mm)	300RCP
GRADE	1 in 106
Datum R.L.	241.000
DEPTH TO INVERT	1.485 1.335
H.G.L. LEVELS	247.970 248.001 248.050
INVERT LEVELS	247.520 247.670 247.750
FINISHED SURFACE LEVELS	249.005 249.005
CHAINAGE (LENGTH)	0.000 8.500 18.500

NOTE:  
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### DRAINAGE LONGITUDINAL SECTIONS



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07/10/13	L	DRAINAGE LINE 4 & 12 AMENDMENTS	ASC	PROJECT No.: 36182/3B
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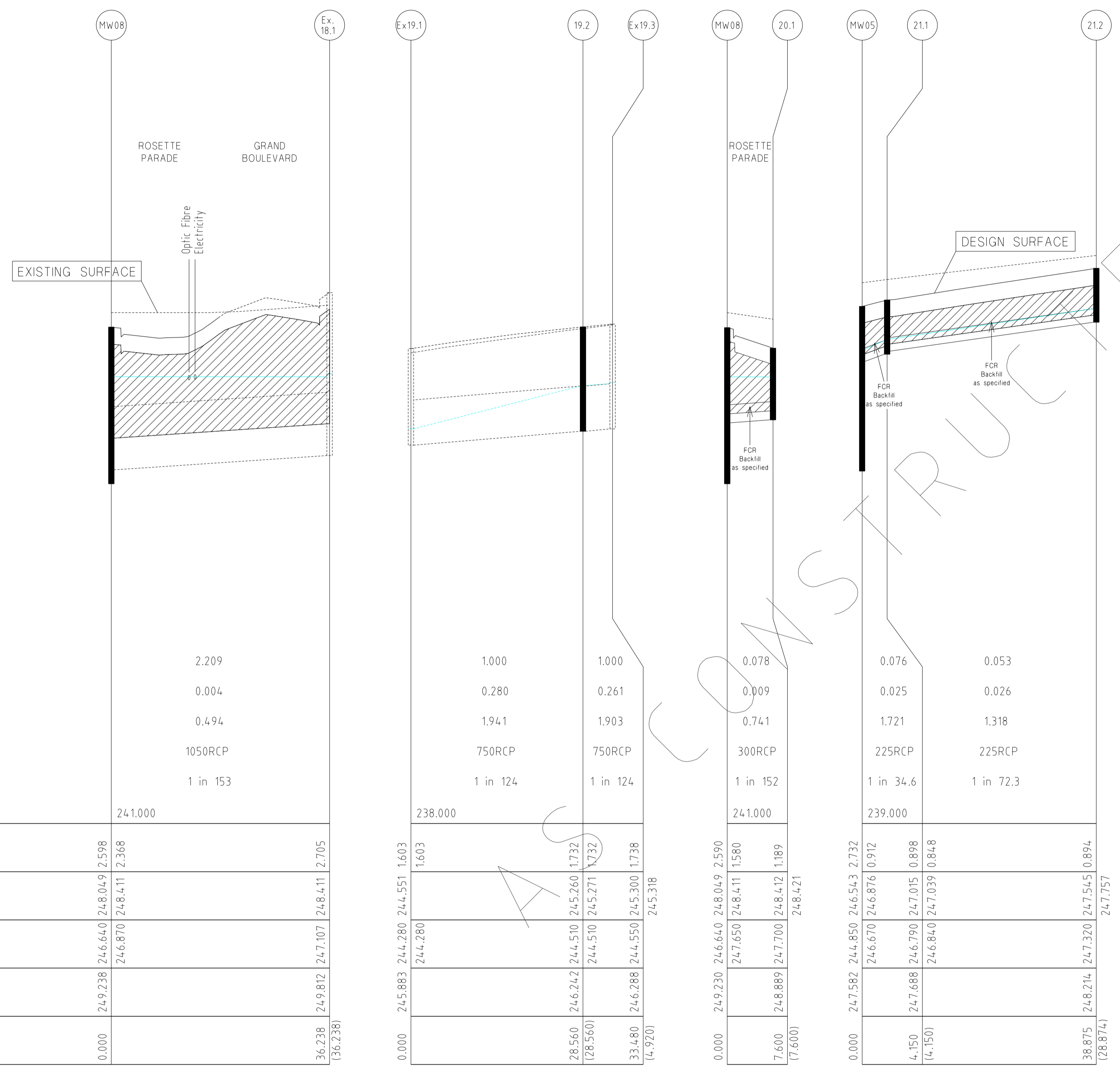


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VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 3B MICKLEHAM ROAD AND DRAINAGE PLANS		36182/3B R23
DRAINAGE LONGITUDINAL SECTIONS		REVISION N
		SHEET 23 OF 27

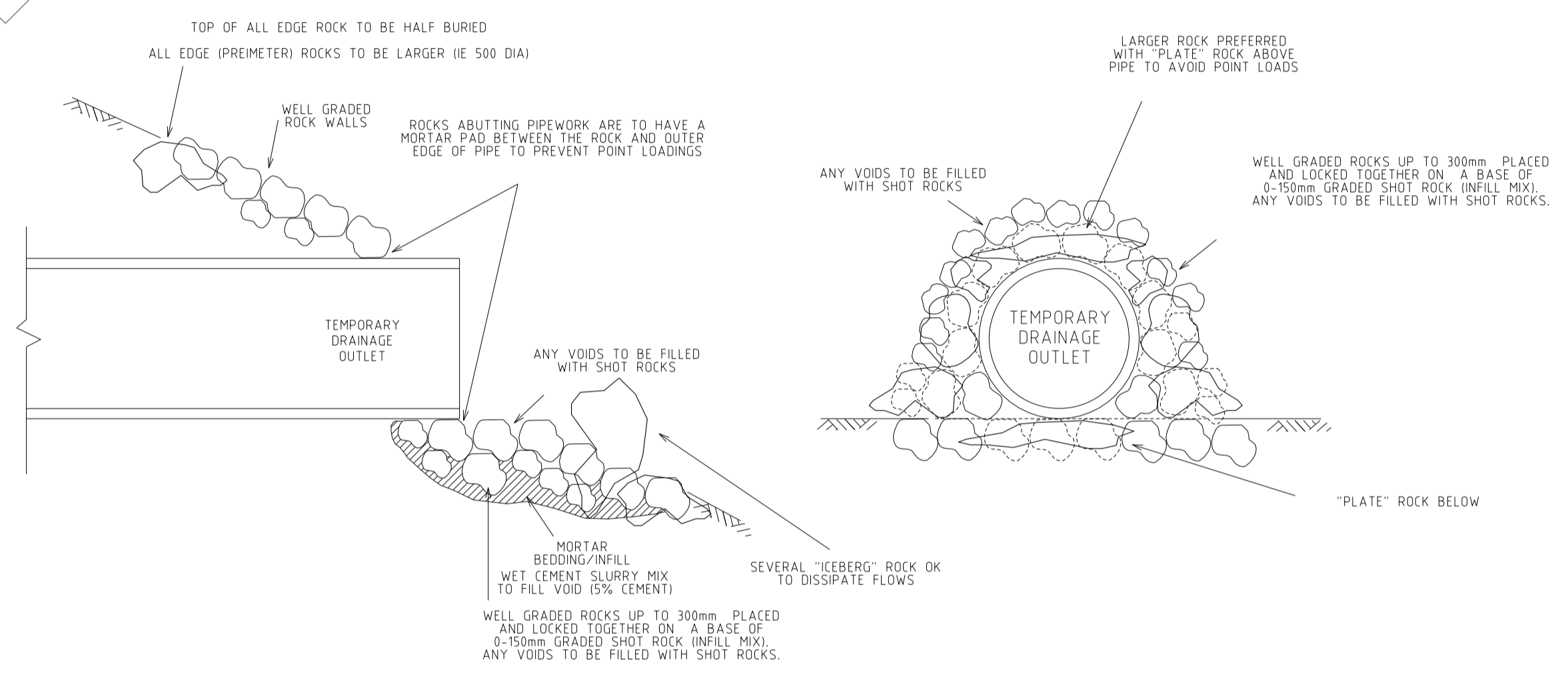




CAPACITY (m3/s) 2.209  
 FLOW (m3/s) 0.004  
 VELOCITY (m/s) 0.494  
 PIPE SIZE (mm) 1050RCP  
 GRADE 1 in 153  
 Datum R.L. 241.000

DEPTH TO INVERT		2.368	2.705
H.G.L. LEVELS	246.640	248.411	248.411
INVERT LEVELS	246.870	247.107	248.411
FINISHED SURFACE LEVELS	249.238	249.812	247.107
CHAINAGE (LENGTH)	0.000	36.238	156.238

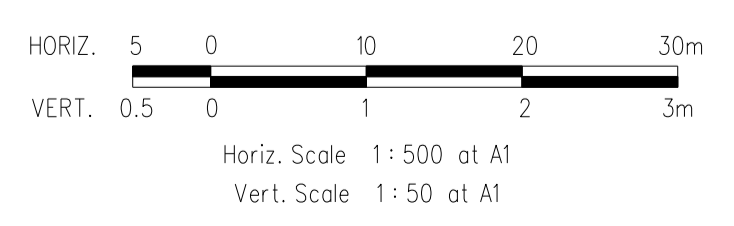
DEPTH TO INVERT		1.603	1.732	1.732	1.738	1.738	1.738
H.G.L. LEVELS	244.280	244.551	244.551	245.260	245.271	245.303	245.318
INVERT LEVELS	244.280	244.280	244.280	244.510	244.510	244.550	244.550
FINISHED SURFACE LEVELS	249.230	246.640	248.049	248.412	248.412	248.421	248.421
CHAINAGE (LENGTH)	0.000	7.600	17.600	28.560	33.480	38.875	42.874



TYPICAL STORMWATER DRAINAGE TEMPORARY OUTLET  
 N.T.S.

DRAINAGE LONGITUDINAL SECTIONS

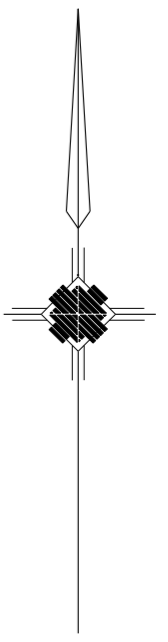
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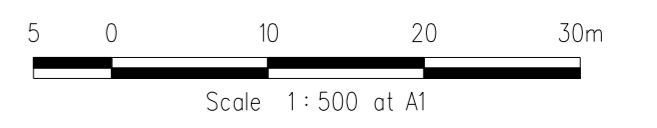
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17/09/13	J	COUNCIL REQUESTED AMENDMENTS	DESIGNED:	Z.W.L DATE: MAY 2013
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HUME CITY COUNCIL		PLAN NUMBER
VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 3B MICKLEHAM ROAD AND DRAINAGE PLANS		36182/3B R24
DRAINAGE LONGITUDINAL SECTIONS & TYPICAL STORMWATER DRAINAGE TEMPORARY OUTLET		REVISION N
		SHEET 24 OF 27





LINEMARKING PLAN



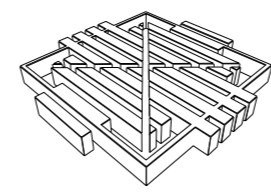
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\*1  STREET SIGN

\*2  R1-2A



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18/09/13	K COUNCIL REQUESTED AMENDMENTS	ASC	DRAWN:	C.M.B. DATE: MAY 2013
17/09/13	J COUNCIL REQUESTED AMENDMENTS	ASC	DESIGNED:	Z.W.L. DATE: MAY 2013
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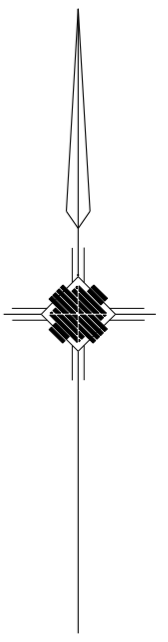
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HUME CITY COUNCIL  
VILLAWOOD PROPERTIES P/L  
TRILLIUM STAGE 3B  
MICKLEHAM  
ROAD AND DRAINAGE PLANS

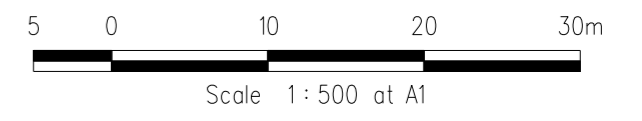
PLAN NUMBER  
36182/3B  
R26

LINEMARKING & SIGNAGE PLAN

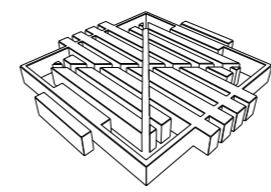
REVISION N  
SHEET 26 OF 27



PARKING PLAN



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DATE	DETAILS	AUTHORISED	DATE PRINTED:	14/02/2014
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8/10/13	L DRAINAGE LINE 4 & 12 AMENDMENTS	ASC	PROJECT No.:	36182/3B
18/09/13	K COUNCIL REQUESTED AMENDMENTS	ASC	DRAWN:	C.M.B. DATE: MAY 2013
17/09/13	J COUNCIL REQUESTED AMENDMENTS	ASC	DESIGNED:	Z.W.L. DATE: MAY 2013
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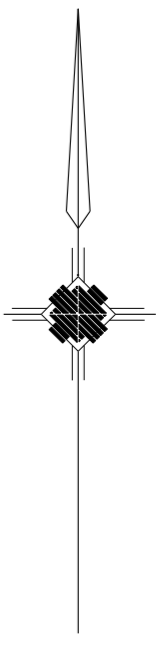


WATSONS  
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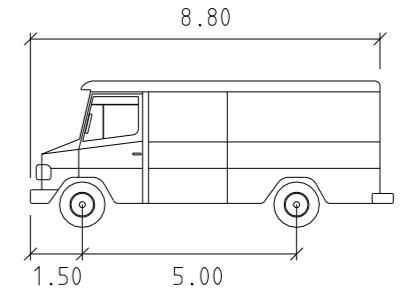
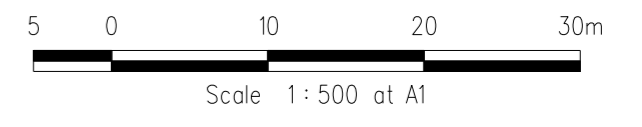
MORNINGTON  
5 Main Street  
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DX 93118 Mornington

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The Melbourne Suite 2  
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HUME CITY COUNCIL		PLAN NUMBER
VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 3B MICKLEHAM ROAD AND DRAINAGE PLANS		36182/3B R26A
LINEMARKING & SIGNAGE PLAN		REVISION N
		SHEET 26A OF 27



### TURNING TEMPLATES



SERVICE	meters
Width	: 2.50
Track	: 2.50
Lock to Lock Time	: 6.00
Steering Angle	: 38.70



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

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

CLASS 3 CRUSHED 10.5m RADIUS FOR SERVICE VEHICLES  
POST AND WIRE FENCE TO PREVENT ACCESS

CONCRETE EDGE STRIP AND "NO ROAD" SIGN  
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TEMPORARY TURNING CIRCLE TO BE GRADED TO THE SOUTH AT A MINIMUM OF 1 IN 200. THIS IS TO BE CONSTRUCTED TO MATCH INTO EXISTING SURFACE AT THE SOUTHERN END TO ENSURE THE ROAD GRADES OUT ALLOWING FREEFLOWING SURFACE RUNOFF.

ROCK BEACHING & TRANSITIONING ARC AS EROSION PROTECTION

FENCE TO BE INSTALLED AROUND TEMPORARY OUTFALL AND ONLINE SEDIMENT POND

ROCK BEACHING & TRANSITIONING ARC AS EROSION PROTECTION

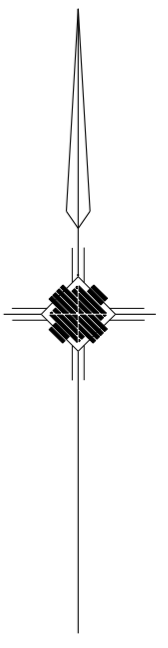
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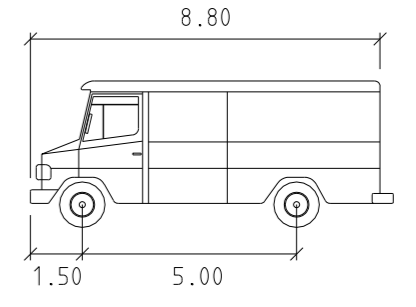
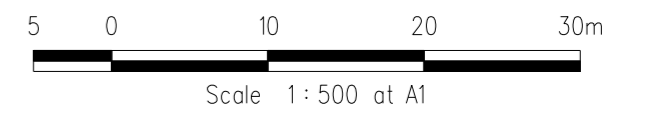
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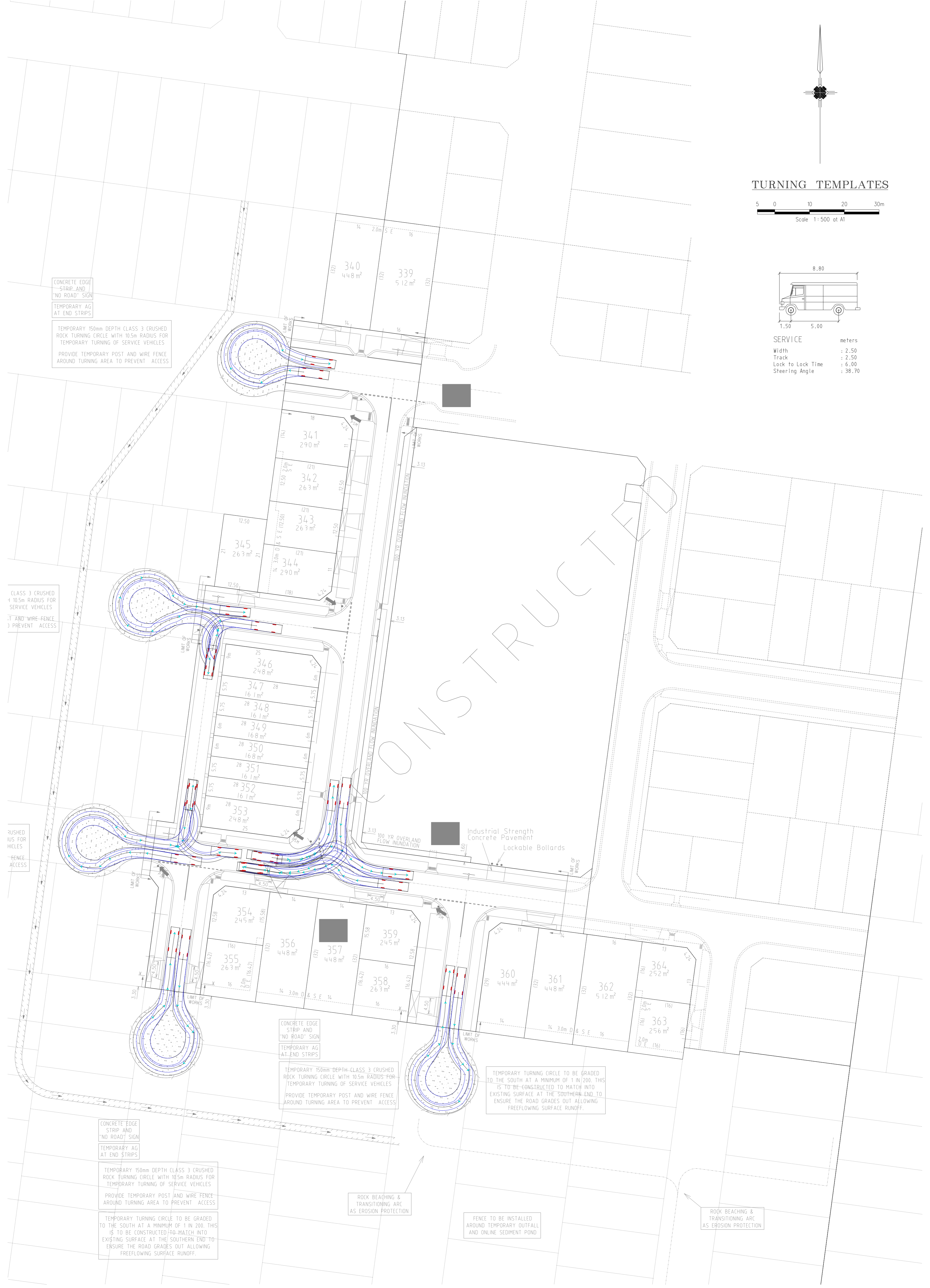
HUME CITY COUNCIL		PLAN NUMBER
VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 3B MICKLEHAM ROAD AND DRAINAGE PLANS		36182/3B R26B
TURNING TEMPLATES		REVISION N
		SHEET 26B OF 27



**TURNING TEMPLATES**



SERVICE	metres
Width	: 2.50
Track	: 2.50
Lock to Lock Time	: 6.00
Steering Angle	: 38.70



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

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CLASS 3 CRUSHED 10.5m RADIUS FOR SERVICE VEHICLES  
POST AND WIRE FENCE TO PREVENT ACCESS

RUSHED FOR VEHICLES  
FENCE ACCESS

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

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ROCK BEACHING & TRANSITIONING ARC AS EROSION PROTECTION

FENCE TO BE INSTALLED AROUND TEMPORARY OUTFALL AND ONLINE SEDIMENT POND

ROCK BEACHING & TRANSITIONING ARC AS EROSION PROTECTION

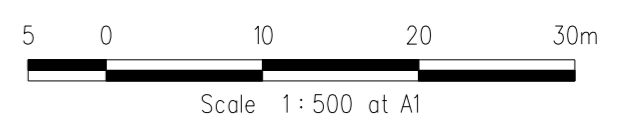
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HUME CITY COUNCIL		PLAN NUMBER
VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 3B MICKLEHAM ROAD AND DRAINAGE PLANS		36182/3B R26C
TURNING TEMPLATES		REVISION N
		SHEET 26C OF 27



**EARTHWORKS PLAN**



**LEGEND**

<span style="color: red;">■</span>	Area in Cut
<span style="color: yellow;">■</span>	Area in Fill (<200mm)
<span style="color: green;">■</span>	Area in Fill (>200mm)

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DK 93188 Mornington

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<b>HUME CITY COUNCIL</b>		PLAN NUMBER
<b>VILLAWOOD PROPERTIES P/L</b>		<b>36182/3B</b>
<b>TRILLIUM STAGE 3B</b>		
<b>MICKLEHAM</b>		<b>R27</b>
<b>ROAD AND DRAINAGE PLANS</b>		
<b>EARTHWORKS PLAN</b>		REVISION <b>N</b>
		SHEET 27 OF 27