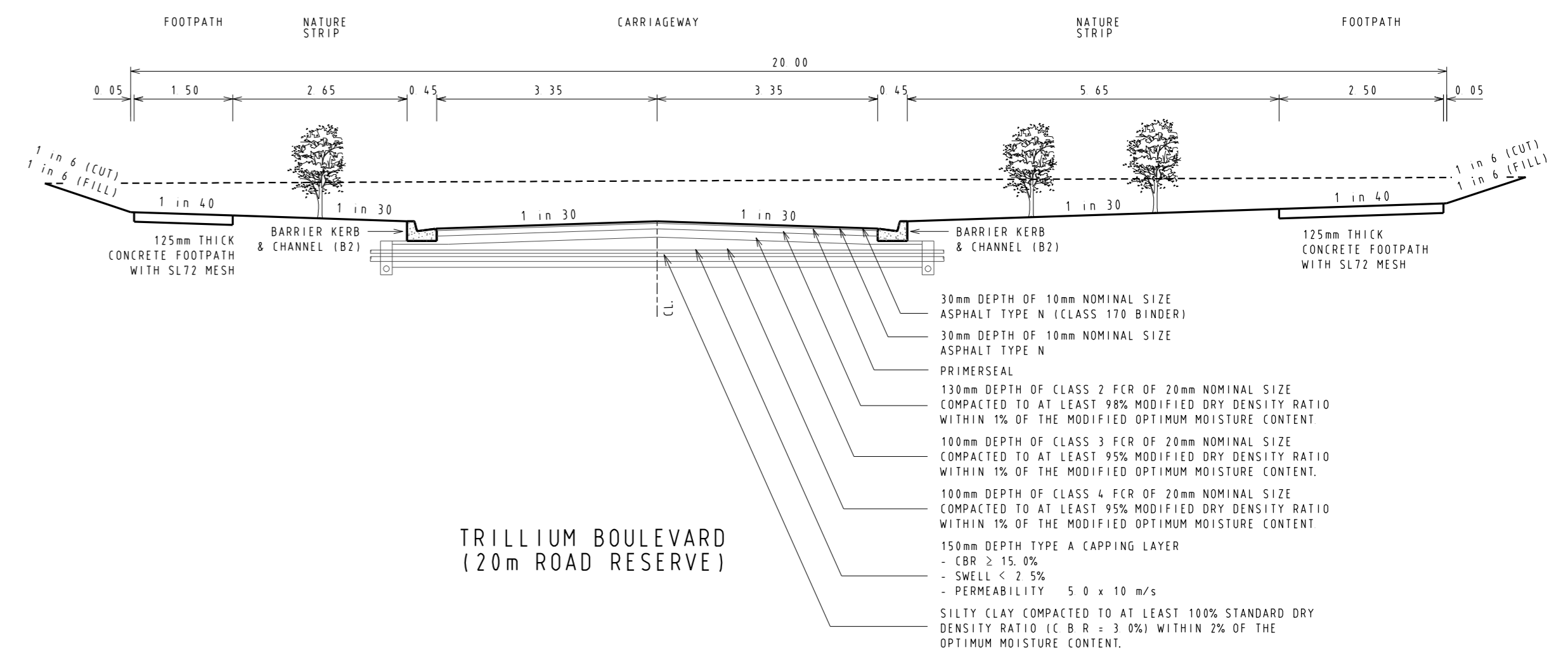
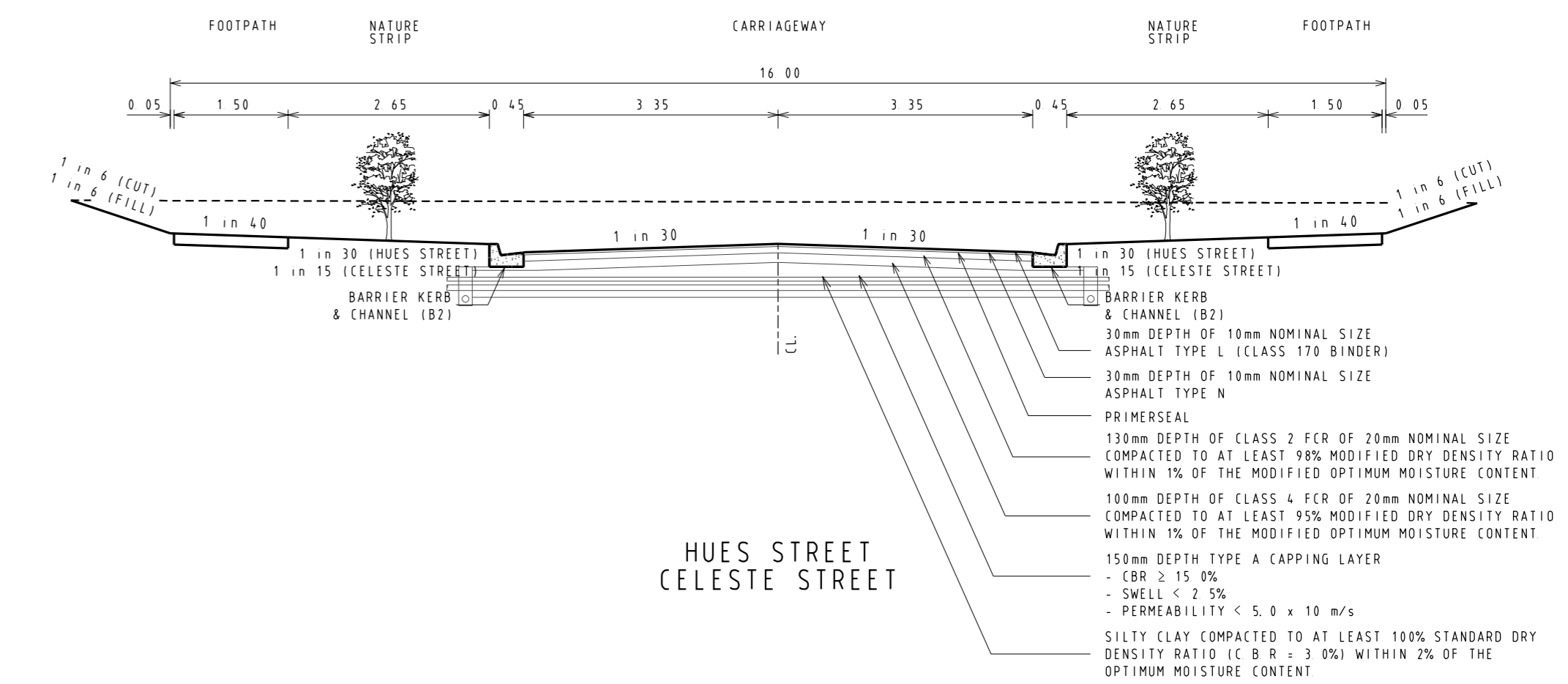
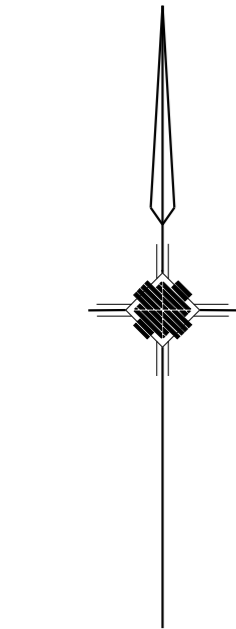
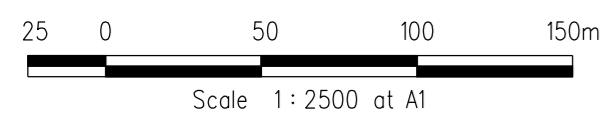


SHEET INDEX

- 1 LOCALITY PLAN, SHEET INDEX & TYPICAL CROSS SECTIONS
- 2 GENERAL NOTES, SITE SPECIFIC NOTES & HUME CITY COUNCIL NOTES
- 3-3A DETAIL PLAN, SERVICE OFFSET TABLE & CURVE SETOUT TABLE
- 4 INTERSECTION DETAILS & LIP OF KERB PROFILES
- 5 TRILLIUM BOULEVARD LONGITUDINAL SECTION
- 5-7 TRILLIUM BOULEVARD CROSS SECTIONS
- 8 HUES STREET LONGITUDINAL & CROSS SECTIONS
- 9 CELESTE STREET LONGITUDINAL SECTION
- 9-11 CELESTE STREET CROSS SECTIONS
- 12-14A DRAINAGE LONGITUDINAL SECTIONS
- 14A PIT SCHEDULES
- 15 LINEMARKING & SIGNAGE PLAN

LOCALITY PLAN



| REVISIONS | | | SCALE: |
|--|--------------------------------|------------|-----------------------------------|
| DATE | DETAILS | AUTHORISED | AS SHOWN |
| 28/02/14 | G DRAINAGE PIT NAME AMENDMENT | ASC | DATE PRINTED: 28/02/2014 |
| 19/02/13 | F AS CONSTRUCTED | ASC | LEVEL DATA: K:\36182\36182\LT0P0 |
| 30/11/12 | E PAVEMENT MAKEUP AMENDMENTS | ASC | DATUM: AHD |
| 16/11/12 | D DRAINAGE LINE 29 AMENDMENTS | ASC | PROJECT No.: 36182_2A |
| 5/09/12 | C LOT 218 CROSSOVER RELOCATION | ASC | DRAWN: Z.W.L. DATE: MAR 2012 |
| FILENAME k:\36182\36182_2A\DGN\R01.dgn | | | DESIGNED: Z.W.L. DATE: MAR 2012 |
| | | | AUTHORISED: A.S.C. DATE: MAR 2012 |



| | | |
|---|--|-------------------|
| HUME CITY COUNCIL | | PLAN NUMBER |
| VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 2A MICKLEHAM ROAD AND DRAINAGE PLANS | | 36182/2A R01 |
| LOCALITY PLAN, SHEET INDEX & TYPICAL CROSS SECTIONS | | REVISION G |
| | | SHEET 01 OF 15 |

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

AS-CONSTRUCTED

| REVISIONS | | | SCALE: | AS SHOWN |
|---|--------------------------------|------------|---------------|----------------------|
| DATE | DETAILS | AUTHORISED | DATE PRINTED: | 28/02/2014 |
| 28/02/14 | G DRAINAGE PIT NAME AMENDMENT | ASC | LEVEL DATA: | K:\36182\36182\LT0P0 |
| 19/02/13 | F AS CONSTRUCTED | ASC | DATUM: | AHD |
| 00/11/12 | E PAVEMENT MAKEUP AMENDMENTS | ASC | PROJECT No.: | 36182_2A |
| 16/11/12 | D DRAINAGE LINE 29 AMENDMENTS | ASC | DRAWN: | Z.W.L DATE: MAR 2012 |
| 5/09/12 | C LOT 218 CROSSOVER RELOCATION | ASC | DESIGNED: | Z.W.L DATE: MAR 2012 |
| FILENAME: K:\36182\36182_2a\dgn\r02.dgn | | | AUTHORISED: | A.S.C DATE: MAR 2012 |



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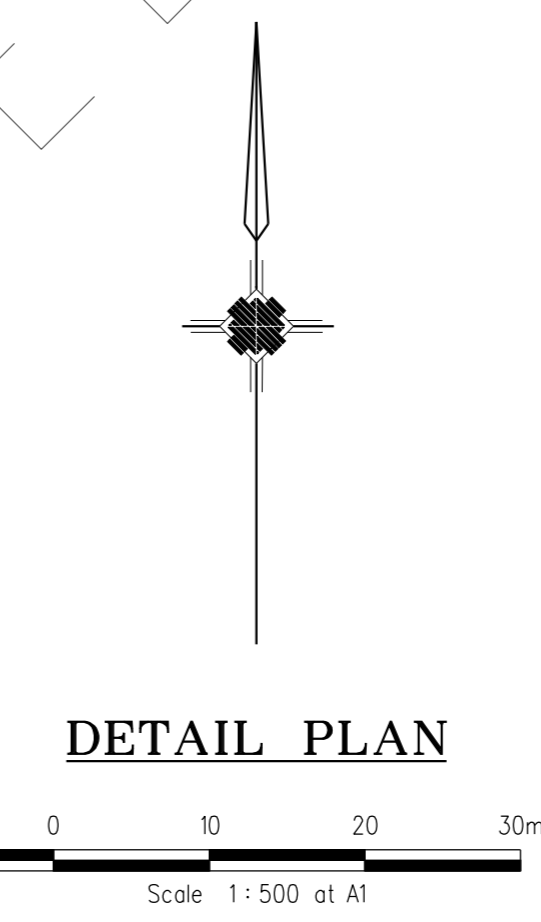
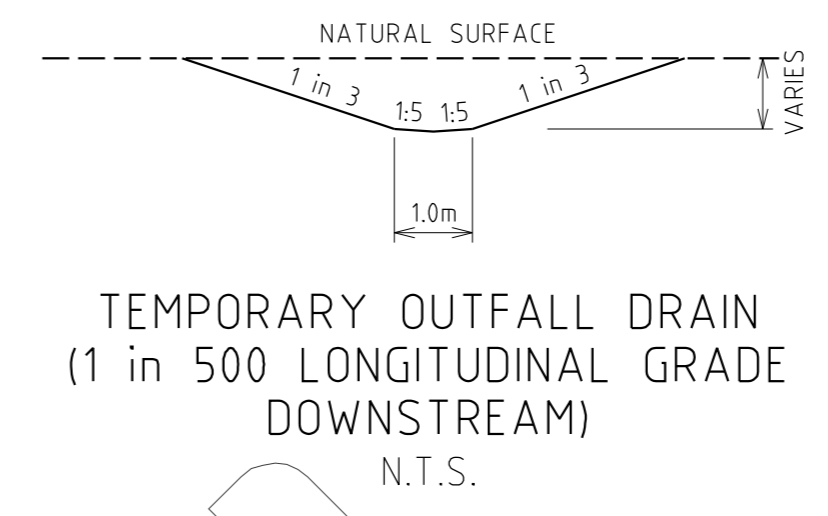
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| HUME CITY COUNCIL | | PLAN NUMBER |
| VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 2A MICKLEHAM ROAD AND DRAINAGE PLANS | | 36182/2A R02 |
| GENERAL NOTES, SITE SPECIFIC NOTES & HUME CITY COUNCIL NOTES | | REVISION G |
| | | SHEET 02 OF 15 |

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

| STREET NAME | GAS | RECYCLED WATER | WATER | ELECTRICITY | OPTIC FIBRE | SEWER |
|--------------------|--------|----------------|--------|-------------|-------------|--------|
| TRILLIUM BOULEVARD | 2.05 W | 2.55 W | 3.05 W | 3.60 E | 2.775 E | - |
| HUES STREET | 2.05 N | 2.55 N | 3.05 N | 2.60 S | 1.775 S | 1.00 N |
| CELESTE STREET | 2.05 E | 2.55 E | 3.05 E | 2.60 W | 1.775 W | - |

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
- Concrete Retaining Wall



Industrial Strength Concrete Pavement

NOT TO BE CONSTRUCTED

Temporary Outfall Drain
Rock Beaching

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

CURVE SETOUT TABLE

| Curve | Radius | l | o | ' | " | Arc | Tan | A | B | C | D |
|-------|--------|-------|----|----|----|--------|------|------|------|------|------|
| 1 | 8 | 90.00 | 89 | 59 | 51 | 12.566 | 8.00 | 5.66 | 2.34 | 3.06 | 0.61 |
| 2 | 8 | 90.00 | 89 | 59 | 51 | 12.566 | 8.00 | 5.66 | 2.34 | 3.06 | 0.61 |
| 3 | 8 | 90.00 | 89 | 59 | 51 | 12.566 | 8.00 | 5.66 | 2.34 | 3.06 | 0.61 |
| 4 | 8 | 90.00 | 89 | 59 | 51 | 12.566 | 8.00 | 5.66 | 2.34 | 3.06 | 0.61 |

| REVISIONS | | | SCALE: | AS SHOWN |
|---|--------------------------------|------------|---------------|----------------------|
| DATE | DETAILS | AUTHORISED | DATE PRINTED: | 28/02/2014 |
| 28/02/14 | G DRAINAGE PIT NAME AMENDMENT | ASC | LEVEL DATA: | K:\36182\36182\LT0PO |
| 19/02/13 | F AS CONSTRUCTED | ASC | DATUM: | AHD |
| 30/11/12 | E PAVEMENT MAKEUP AMENDMENTS | ASC | PROJECT No.: | 36182_2A |
| 16/11/12 | D DRAINAGE LINE 29 AMENDMENTS | ASC | DRAWN: | Z.W.L DATE: MAR 2012 |
| 5/09/12 | C LOT 218 CROSSOVER RELOCATION | ASC | DESIGNED: | Z.W.L DATE: MAR 2012 |
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Fax: (03) 9375 8099

| HUME CITY COUNCIL | | PLAN NUMBER |
|---|--|-----------------|
| VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 2A MICKLEHAM ROAD AND DRAINAGE PLANS | | 36182/2A R03 |
| DETAIL PLAN, SERVICE OFFSET TABLE & CURVE SETOUT TABLE | | REVISION G |
| | | SHEET 3 OF 15 |

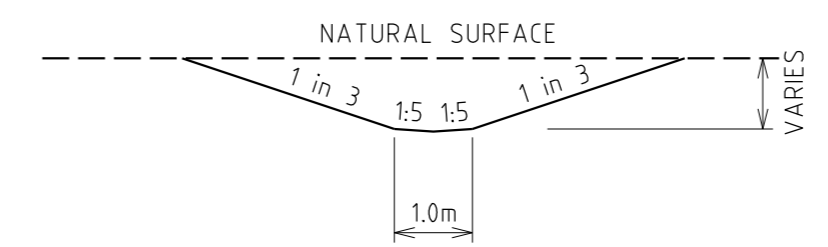
SERVICE OFFSETS

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

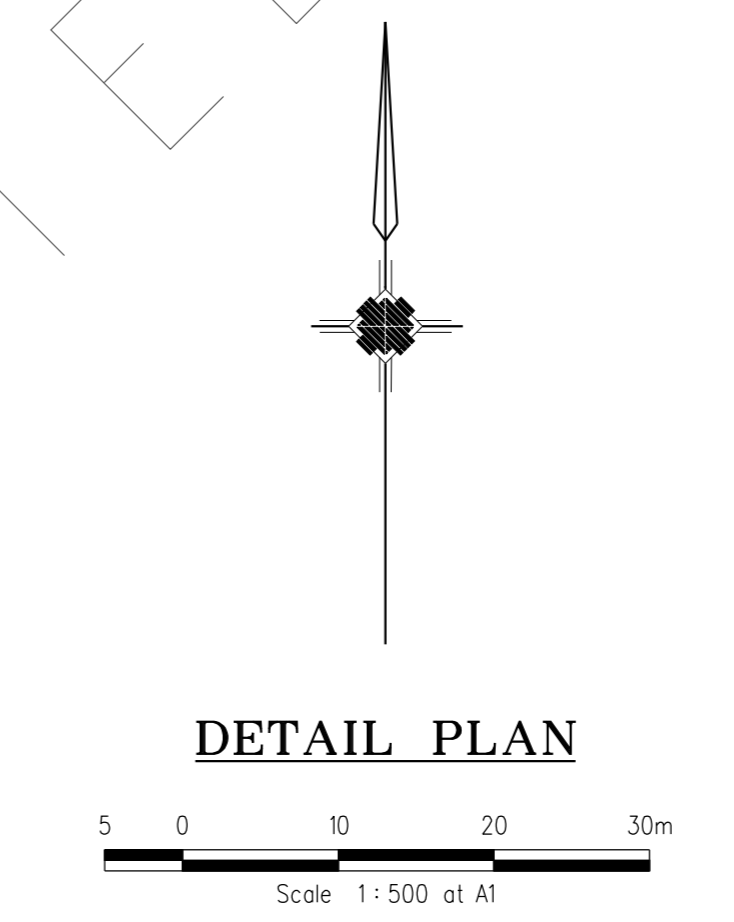
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|--------------------|--------|----------------|--------|-------------|-------------|--------|
| TRILLIUM BOULEVARD | 2.05 W | 2.55 W | 3.05 W | 3.60 E | 2.775 E | - |
| HUES STREET | 2.05 N | 2.55 N | 3.05 N | 2.60 S | 1.775 S | 1.00 N |
| CELESTE STREET | 2.05 E | 2.55 E | 3.05 E | 2.60 W | 1.775 W | - |

LEGEND

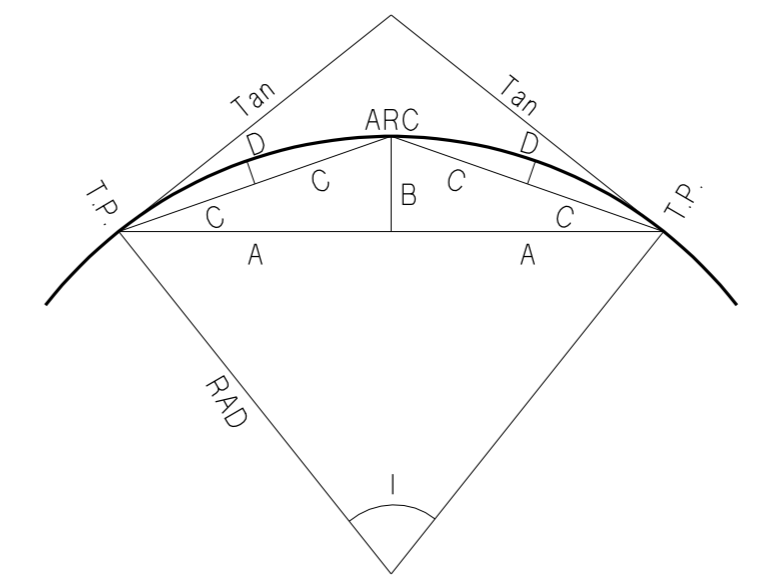
- Kerb & Channel
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- Top of Batter Level - Allotments (Front)
- Kerb Level
- Pavement Level
- Proposed Cut Areas - Allotments
- Proposed Fill Areas - Allotments
- Service Conduits
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 - Recycled Water
 - Electricity
 - Telstra
 - Optic Fibre
- Gas Main
- Water Main
- Optic Fibre Underground Cable
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- Telstra Underground Cable
- Sewer Main, Access Chamber & Inspection Shaft
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- 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
- Concrete Retaining Wall



**TEMPORARY OUTFALL DRAIN
(1 in 500 LONGITUDINAL GRADE
DOWNSTREAM)
N.T.S.**

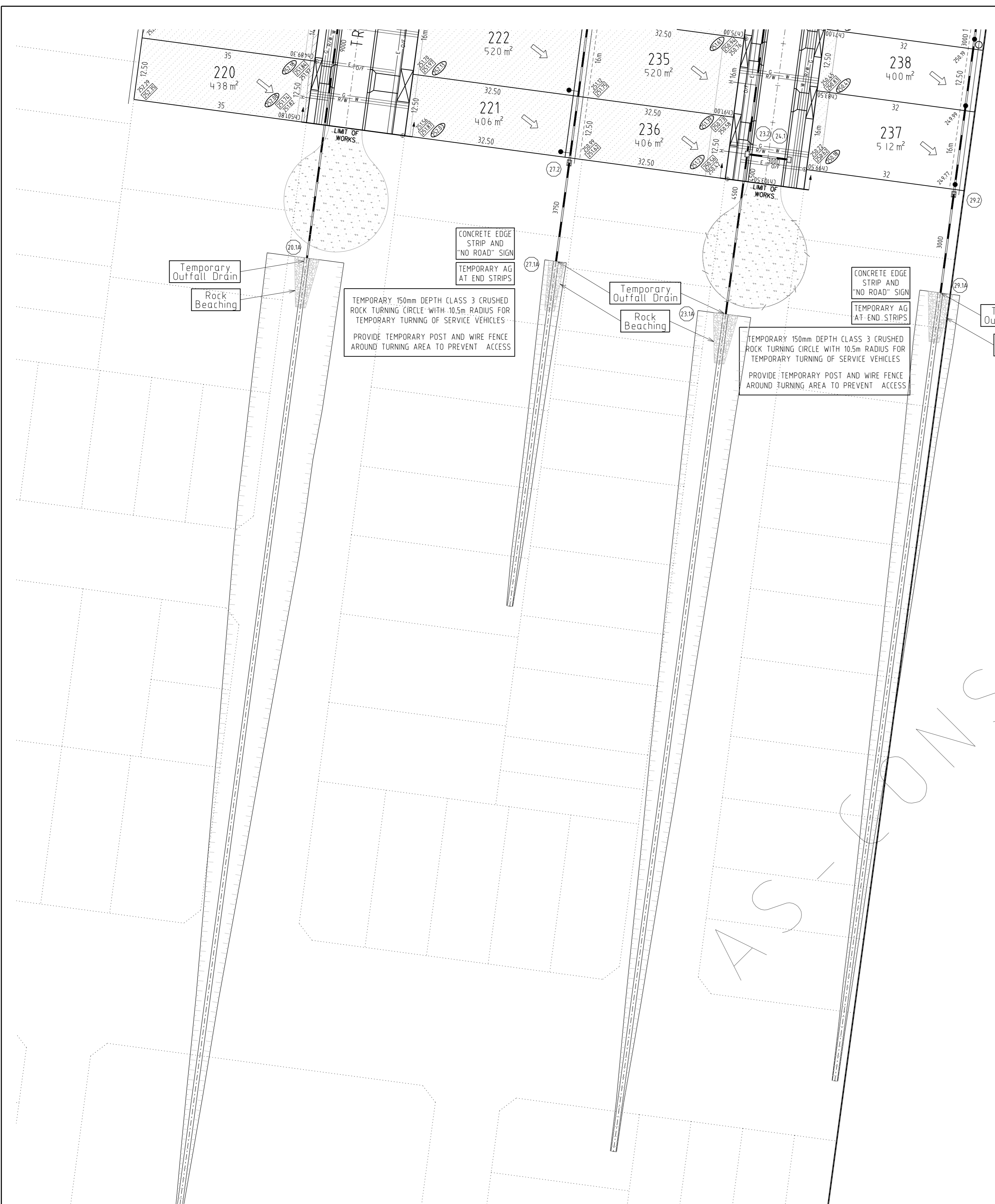


DETAIL PLAN



CURVE SETOUT TABLE

| Curve | Radius | I | o | ' | " | Arc | Tan | A | B | C | D |
|-------|--------|-------|----|----|----|--------|------|------|------|------|------|
| 1 | 8 | 90.00 | 89 | 59 | 51 | 12.566 | 8.00 | 5.66 | 2.34 | 3.06 | 0.61 |
| 2 | 8 | 90.00 | 89 | 59 | 51 | 12.566 | 8.00 | 5.66 | 2.34 | 3.06 | 0.61 |
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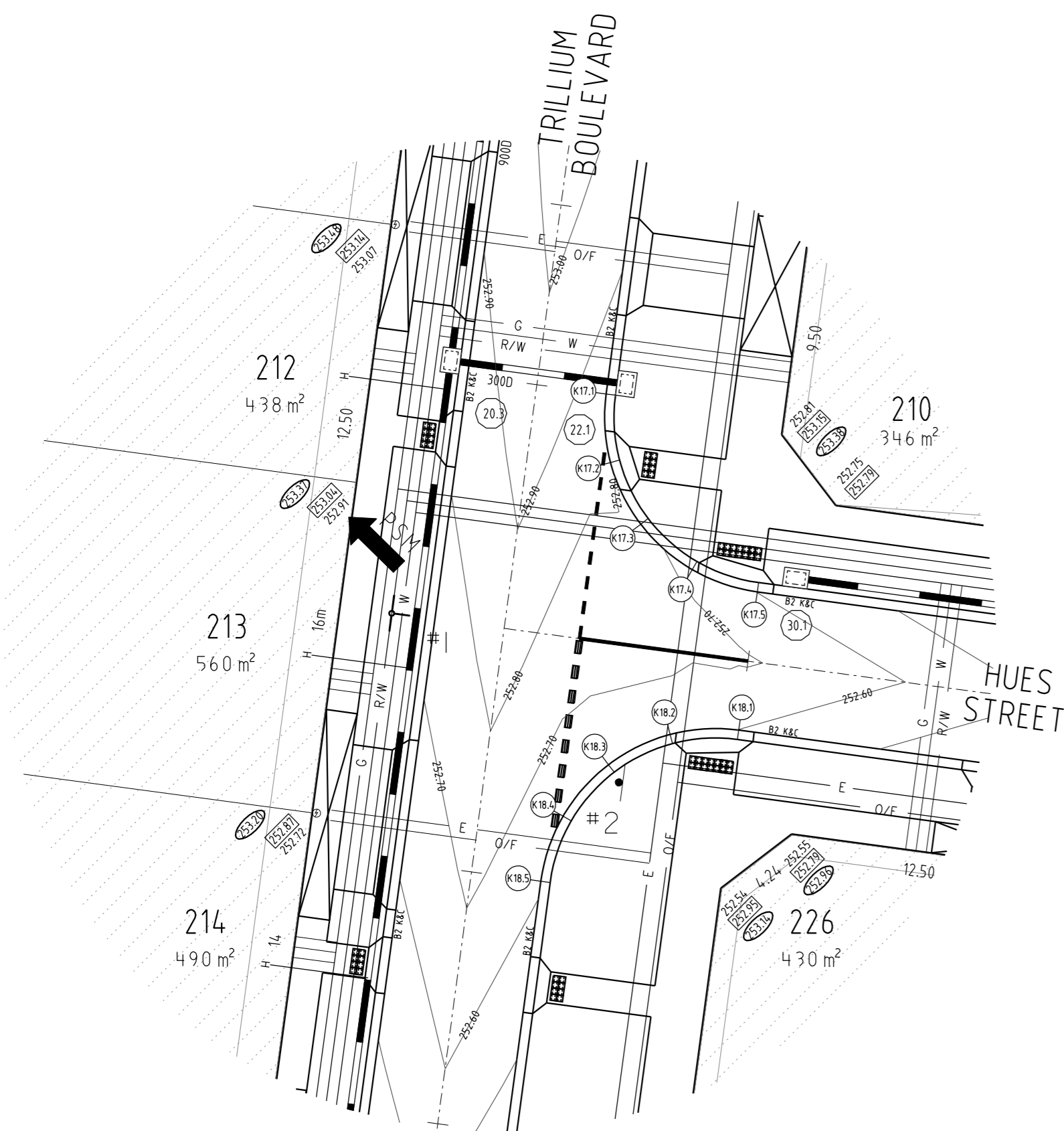
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| | | |
|---|--|-------------------|
| HUME CITY COUNCIL | | PLAN NUMBER |
| VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 2A MICKLEHAM ROAD AND DRAINAGE PLANS | | 36182/2A R03A |
| DETAIL PLAN, SERVICE OFFSET TABLE & CURVE SETOUT TABLE | | REVISION G |
| | | SHEET 3A OF 15 |

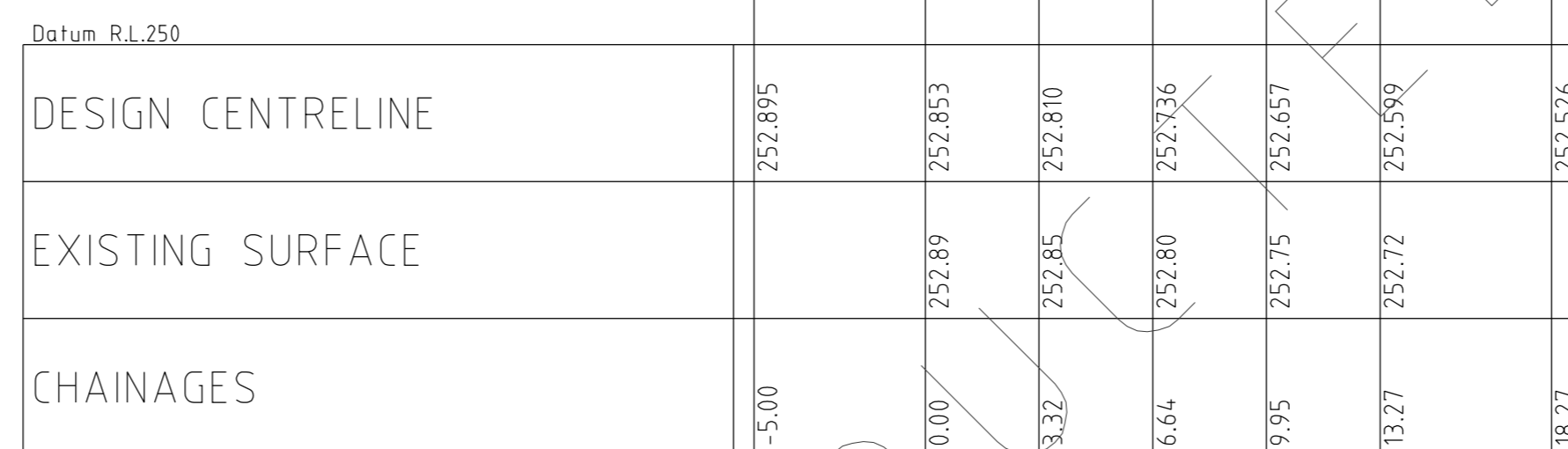


KERB RETURN K17

| POINT NO | EASTING | NORTHING | RL |
|----------|----------|-----------|---------|
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| K17.2 | 3928.827 | 10147.011 | 252.81 |
| K17.3 | 3930.279 | 10144.049 | 252.736 |
| K17.4 | 3932.752 | 10141.87 | 252.657 |
| K17.5 | 3935.871 | 10140.803 | 252.599 |

NOTE: SETOUT IS TO LIP OF KERB

Vertical Grade
VC length



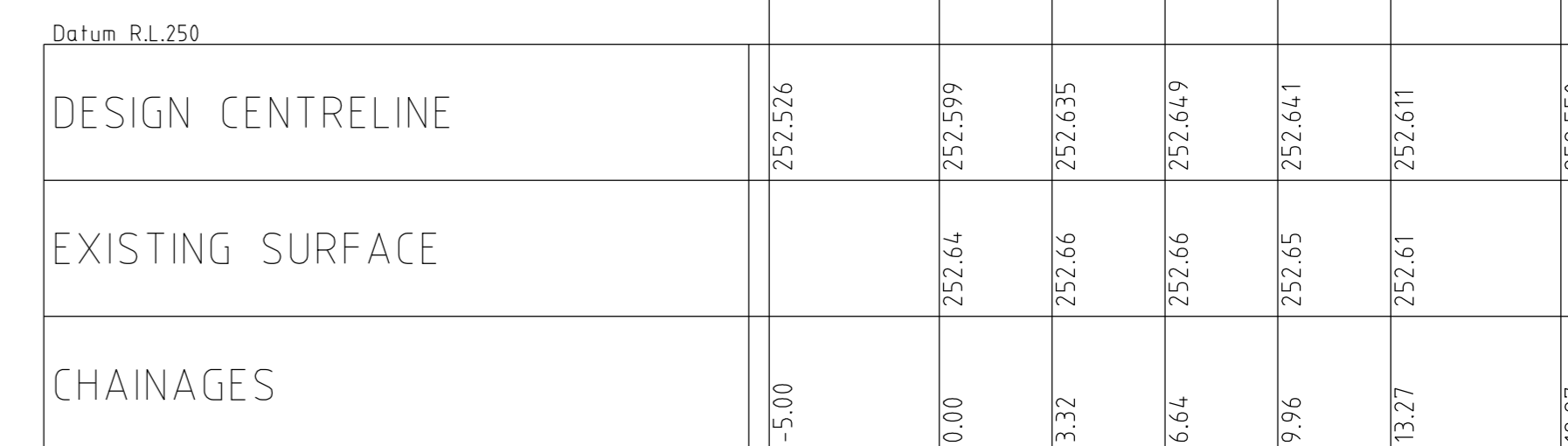
K17 LONGITUDINAL SECTION

KERB RETURN K18

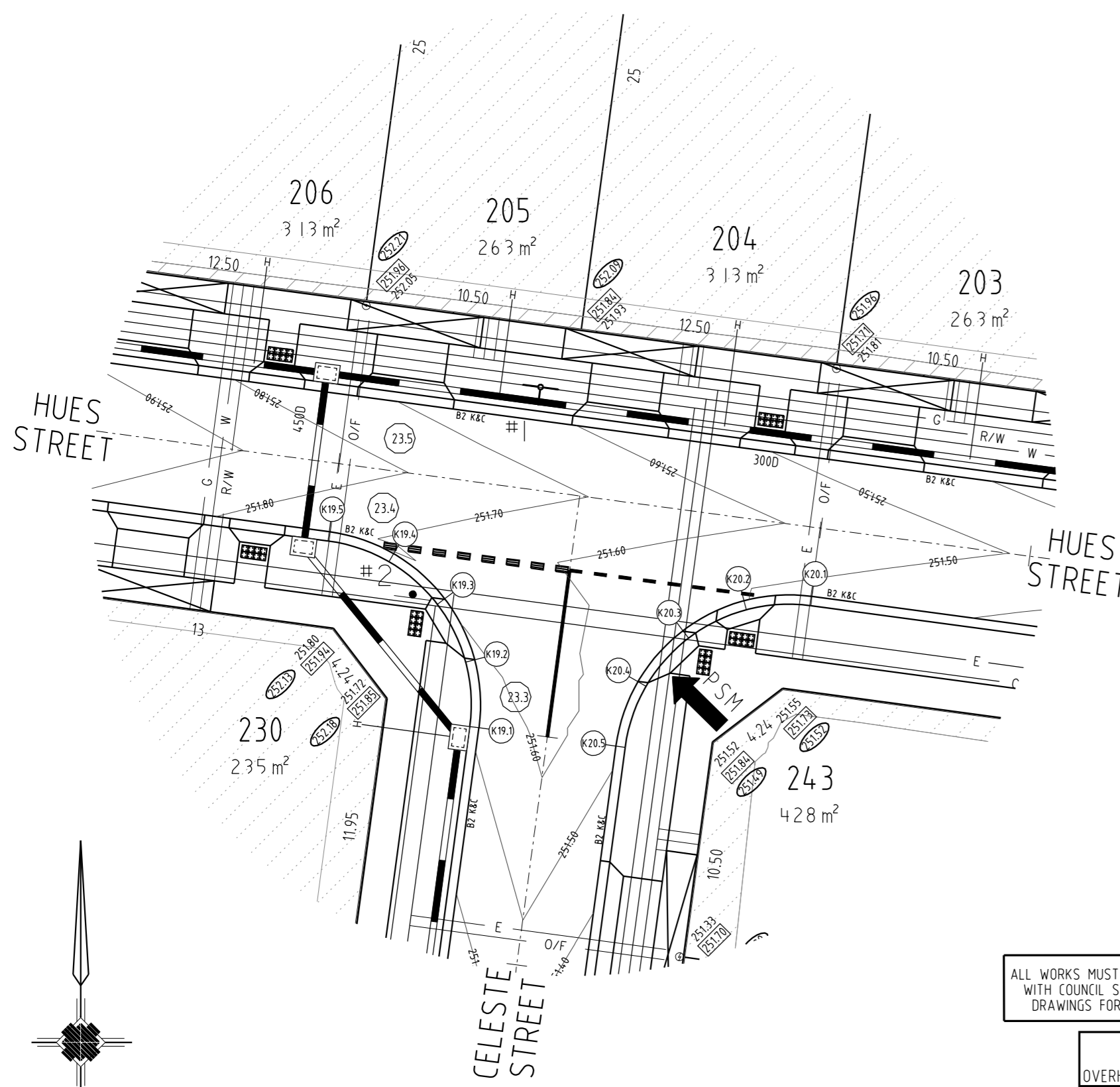
| POINT NO | EASTING | NORTHING | RL |
|----------|----------|-----------|---------|
| K18.1 | 3934.981 | 10134.163 | 252.599 |
| K18.2 | 3931.691 | 10133.955 | 252.635 |
| K18.3 | 3928.73 | 10132.503 | 252.649 |
| K18.4 | 3926.551 | 10130.03 | 252.641 |
| K18.5 | 3925.484 | 10126.912 | 252.611 |

NOTE: SETOUT IS TO LIP OF KERB

Vertical Grade
VC length



K18 LONGITUDINAL SECTION

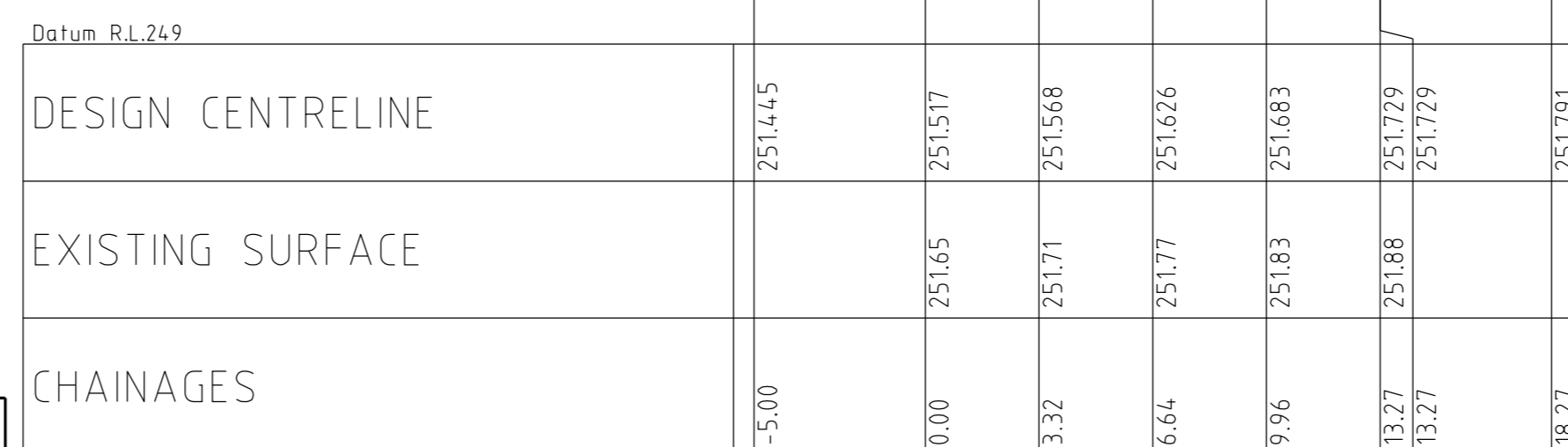


KERB RETURN K19

| POINT NO | EASTING | NORTHING | RL |
|----------|----------|-----------|---------|
| K19.1 | 4003.089 | 10116.506 | 251.517 |
| K19.2 | 4002.882 | 10119.795 | 251.568 |
| K19.3 | 4001.431 | 10122.756 | 251.626 |
| K19.4 | 3998.957 | 10124.936 | 251.683 |
| K19.5 | 3995.838 | 10126.003 | 251.729 |

NOTE: SETOUT IS TO LIP OF KERB

Vertical Grade
VC length



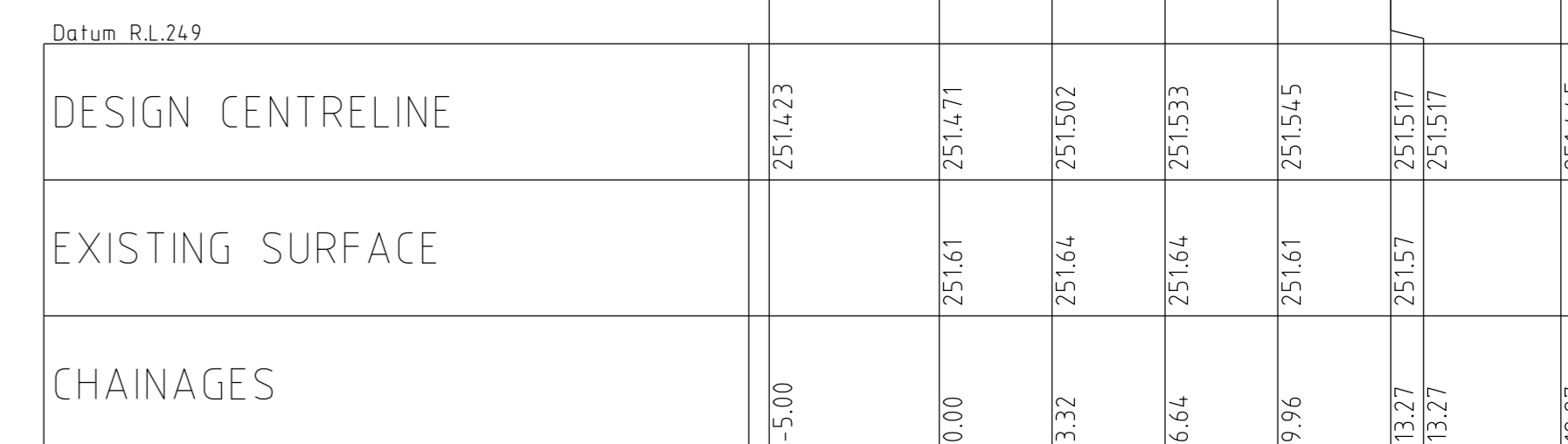
K19 LONGITUDINAL SECTION

KERB RETURN K20

| POINT NO | EASTING | NORTHING | RL |
|----------|----------|-----------|---------|
| K20.1 | 4019.227 | 10122.867 | 251.471 |
| K20.2 | 4015.938 | 10122.66 | 251.502 |
| K20.3 | 4012.976 | 10121.208 | 251.533 |
| K20.4 | 4010.797 | 10118.735 | 251.545 |
| K20.5 | 4009.73 | 10115.616 | 251.517 |

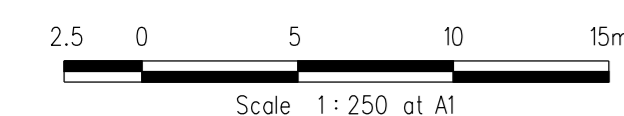
NOTE: SETOUT IS TO LIP OF KERB

Vertical Grade
VC length



K20 LONGITUDINAL SECTION

INTERSECTION DETAILS



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

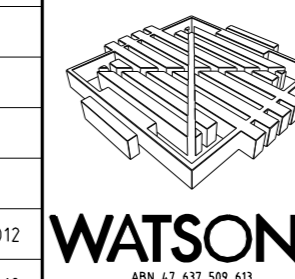
ALL WORKS MUST BE CARRIED OUT IN ACCORDANCE WITH COUNCIL SPECIFICATIONS AND STANDARD DRAWINGS FOR ROAD AND DRAINAGE WORKS

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

| REVISIONS | | | SCALE: | AS SHOWN |
|---|--------------------------------|------------|---------------|-----------------------|
| DATE | DETAILS | AUTHORISED | DATE PRINTED: | 28/02/2014 |
| 28/02/14 | G DRAINAGE PIT NAME AMENDMENT | ASC | LEVEL DATA: | K:\36182\36182\LT0P0 |
| 19/02/13 | F AS CONSTRUCTED | ASC | DATUM: | AHD |
| 08/11/12 | E PAVEMENT MAKEUP AMENDMENTS | ASC | PROJECT No.: | 36182_2A |
| 16/11/12 | D DRAINAGE LINE 29 AMENDMENTS | ASC | DRAWN: | Z.W.L. DATE: MAR 2012 |
| 5/09/12 | C LOT 218 CROSSOVER RELOCATION | ASC | DESIGNED: | Z.W.L. DATE: MAR 2012 |
| FILENAME: k:\36182\36182_2a\dgn\r04.dgn | | | AUTHORISED: | A.S.C. DATE: MAR 2012 |



MORNINGTON
6 Plain Street,
P.O. Box 171 3931
Phone: (03) 5975 4444
Fax: (03) 5975 3916
DX: 9318 Mornington

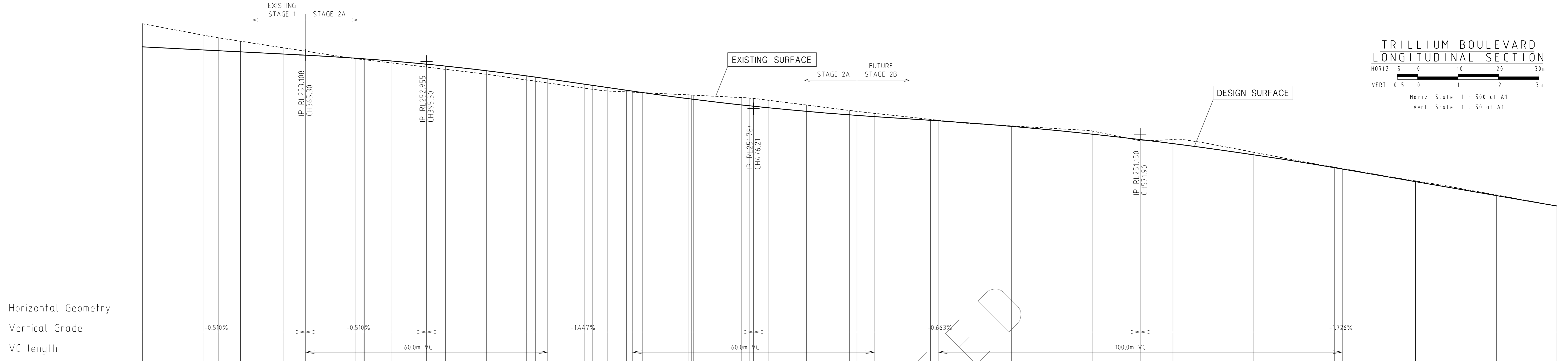
MELBOURNE
The Melbourne, Suite 2
258 St. Kilda Road,
Melbourne, 3004
Phone: (03) 9647 8000
Fax: (03) 9647 8099

HUME CITY COUNCIL
VILLAWOOD PROPERTIES P/L
TRILLIUM STAGE 2A
MICKLEHAM
ROAD AND DRAINAGE PLANS

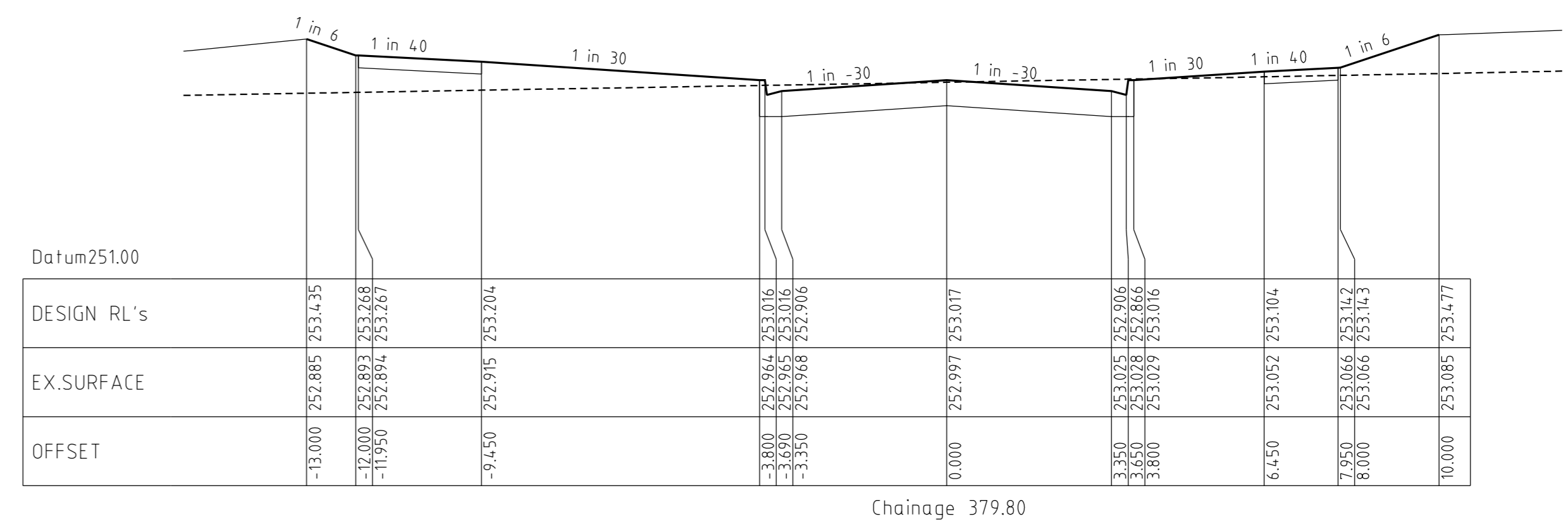
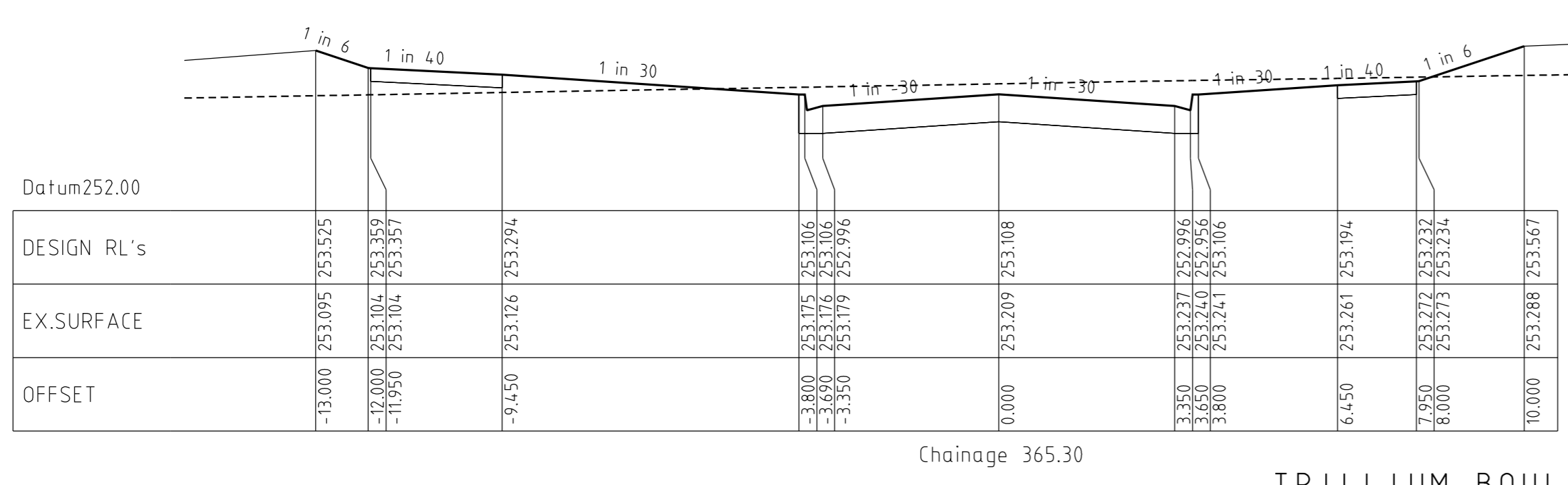
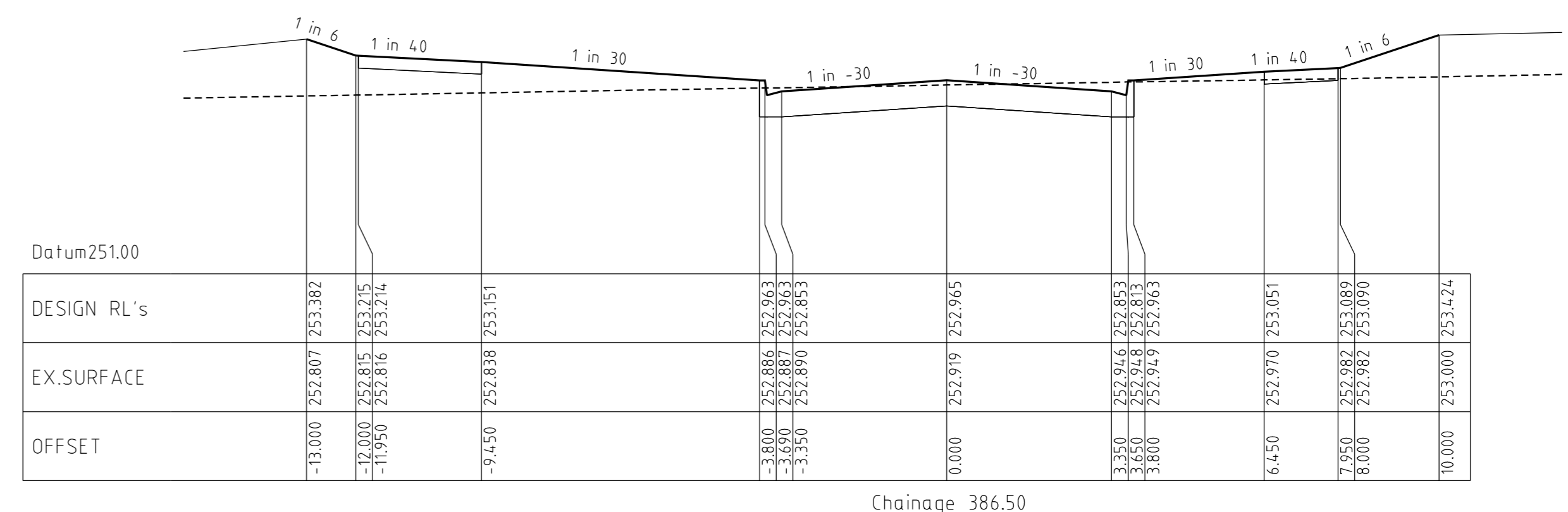
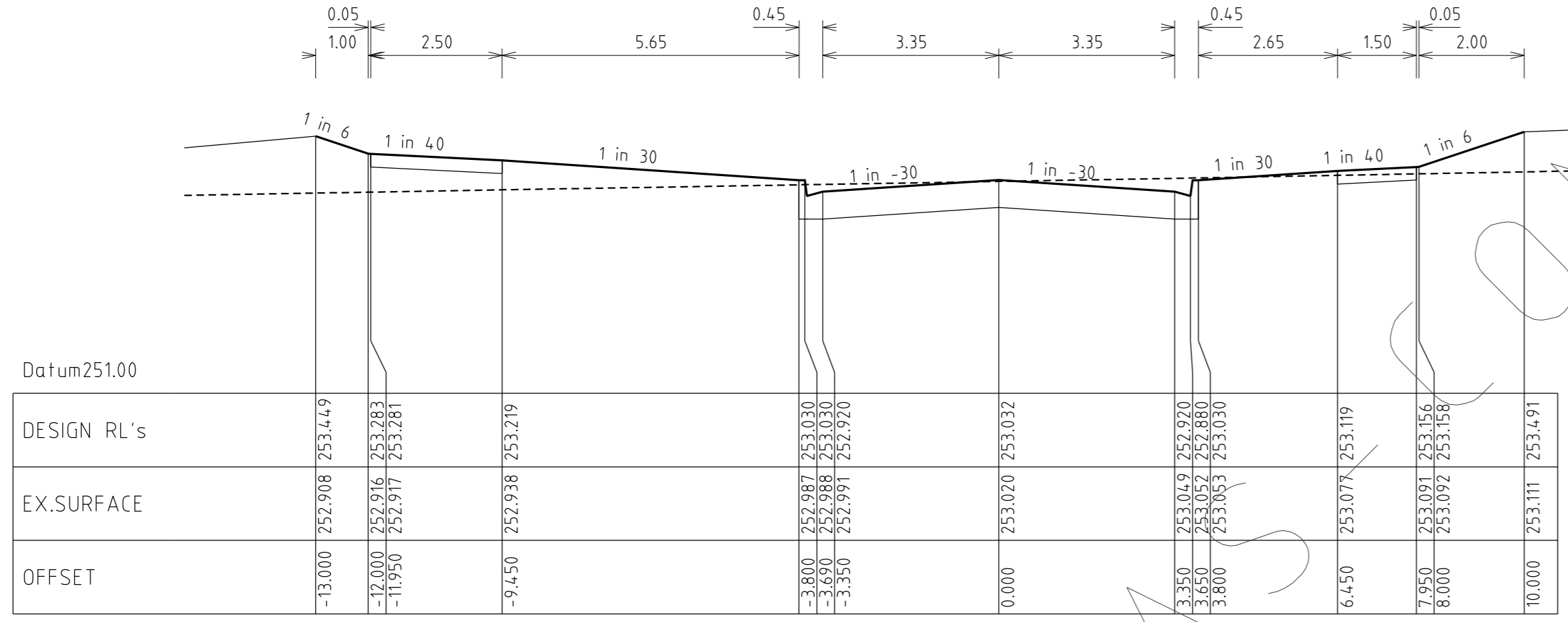
PLAN NUMBER
**36182/2A
R04**

REVISION
G

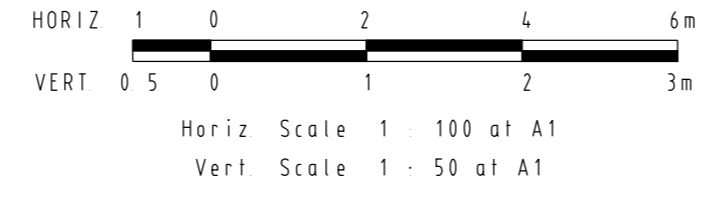
SHEET 4 OF 15



| CHAINAGES | 325.00 | 340.00 | 343.88 | 353.217 | 353.189 | 360.00 | 365.30 | 377.80 | 379.80 | 380.00 | 386.50 | 395.30 | 400.00 | 410.10 | 420.00 | 422.30 | 425.30 | 434.30 | 436.30 | 440.00 | 444.80 | 446.21 | 448.80 | 460.00 | 461.30 | 473.30 | 475.30 | 500.00 | 501.80 | 506.21 | 520.00 | 521.90 | 540.00 | 560.00 | 571.90 | 580.00 | 600.00 | 620.00 | 621.90 | 640.00 | 660.00 | 675.00 |
|-------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| DESIGN CENTRELINE | 253.313 | 253.237 | 253.217 | 253.189 | 253.135 | 253.108 | 253.032 | 253.017 | 253.016 | 252.965 | 252.885 | 252.837 | 252.773 | 252.595 | 252.563 | 252.521 | 252.390 | 252.362 | 252.308 | 252.239 | 252.218 | 252.181 | 252.031 | 252.015 | 251.874 | 251.853 | 251.629 | 251.616 | 251.585 | 251.494 | 251.481 | 251.344 | 251.152 | 251.017 | 250.917 | 250.639 | 250.320 | 250.287 | 249.975 | 249.629 | 249.370 | |
| EXISTING SURFACE | 253.89 | 253.61 | 253.54 | 253.45 | 253.29 | 253.21 | 253.02 | 253.00 | 252.99 | 252.92 | 252.81 | 252.76 | 252.64 | 252.50 | 252.46 | 252.42 | 252.29 | 252.26 | 252.20 | 252.19 | 252.18 | 252.18 | 252.12 | 252.12 | 252.06 | 252.04 | 251.72 | 251.616 | 251.52 | 251.50 | 251.36 | 251.23 | 250.99 | 251.02 | 250.70 | 250.33 | 250.30 | 249.99 | 249.65 | 249.37 | | |



TRILLIUM BOULEVARD
CROSS SECTIONS



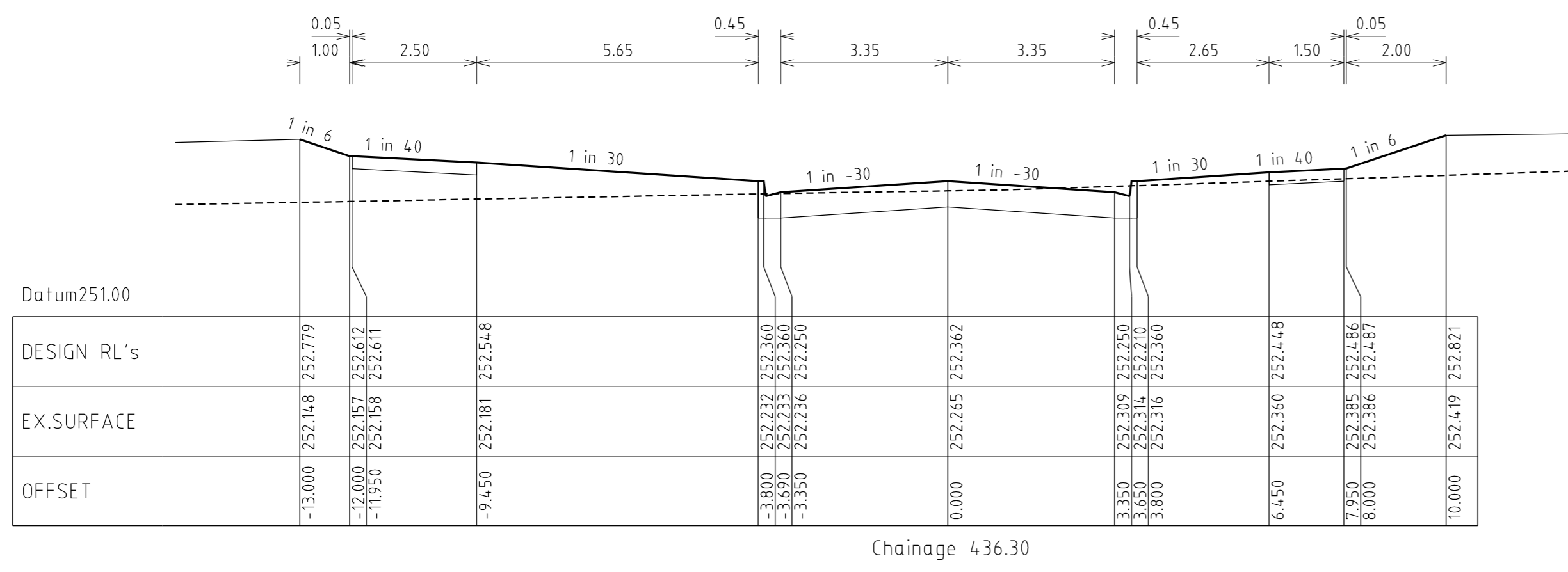
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|---------------------------------------|--------------------------------|------------|---------------|----------------------|
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| 19/02/13 | F AS CONSTRUCTED | ASC | DATUM: | AHD |
| 30/11/12 | E PAVEMENT MAKEUP AMENDMENTS | ASC | PROJECT No.: | 36182_2A |
| 16/11/12 | D DRAINAGE LINE 29 AMENDMENTS | ASC | DRAWN: | Z.W.L DATE: MAR 2012 |
| 5/09/12 | C LOT 218 CROSSOVER RELOCATION | ASC | DESIGNED: | Z.W.L DATE: MAR 2012 |
| FILENAME: \36182\36182_2a\dgn\r05.dgn | | | AUTHORISED: | A.S.C DATE: MAR 2012 |



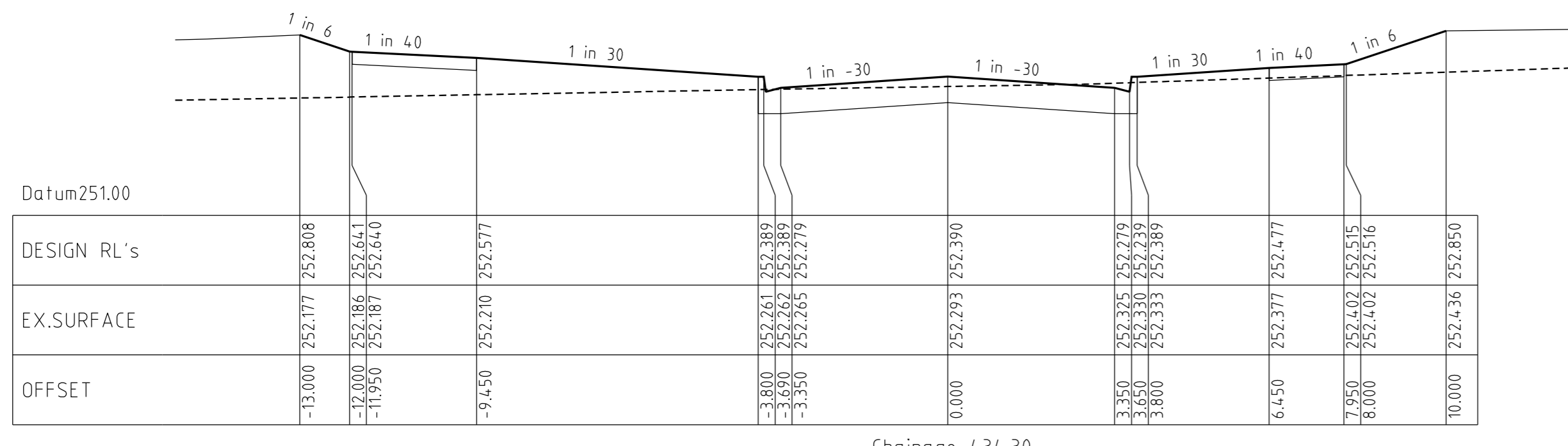
MORNINGTON
6 Plain Street
P.O. Box 171 3911
Phone: (03) 5975 4444
Fax: (03) 5975 3916
DX 93198 Mornington

MELBOURNE
The Melbourne, Suite 2
200 St. Kilda Road
Melbourne, 3004
Phone: (03) 9497 8000
Fax: (03) 9497 8099

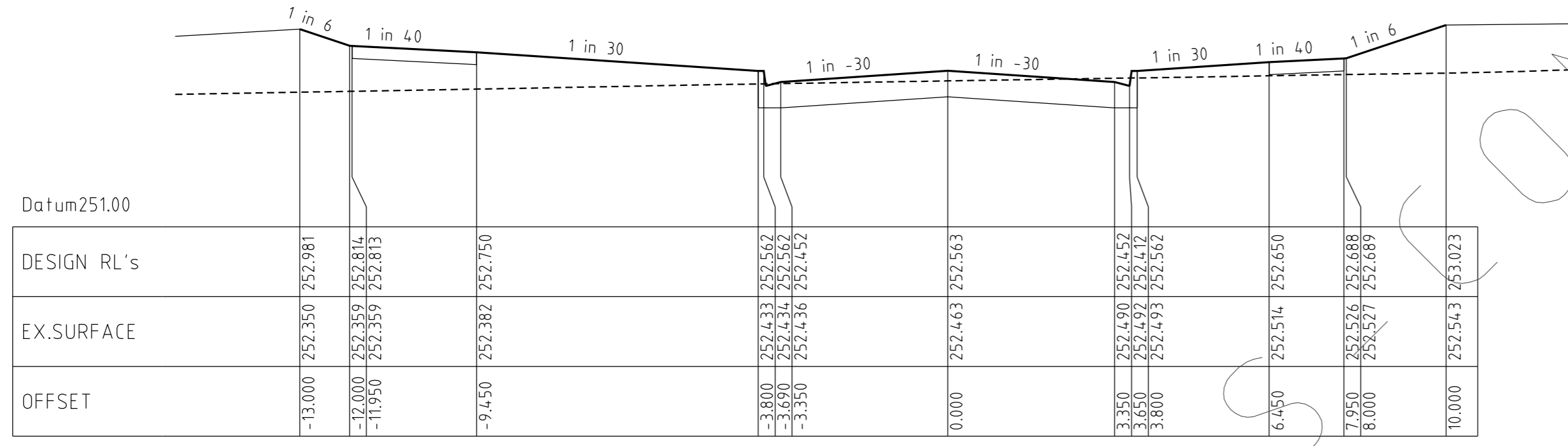
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|---|--|-----------------|
| HUME CITY COUNCIL | | PLAN NUMBER |
| VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 2A MICKLEHAM ROAD AND DRAINAGE PLANS | | 36182/2A R05 |
| TRILLIUM BOULEVARD LONGITUDINAL & CROSS SECTIONS | | REVISION G |
| | | SHEET 5 OF 15 |



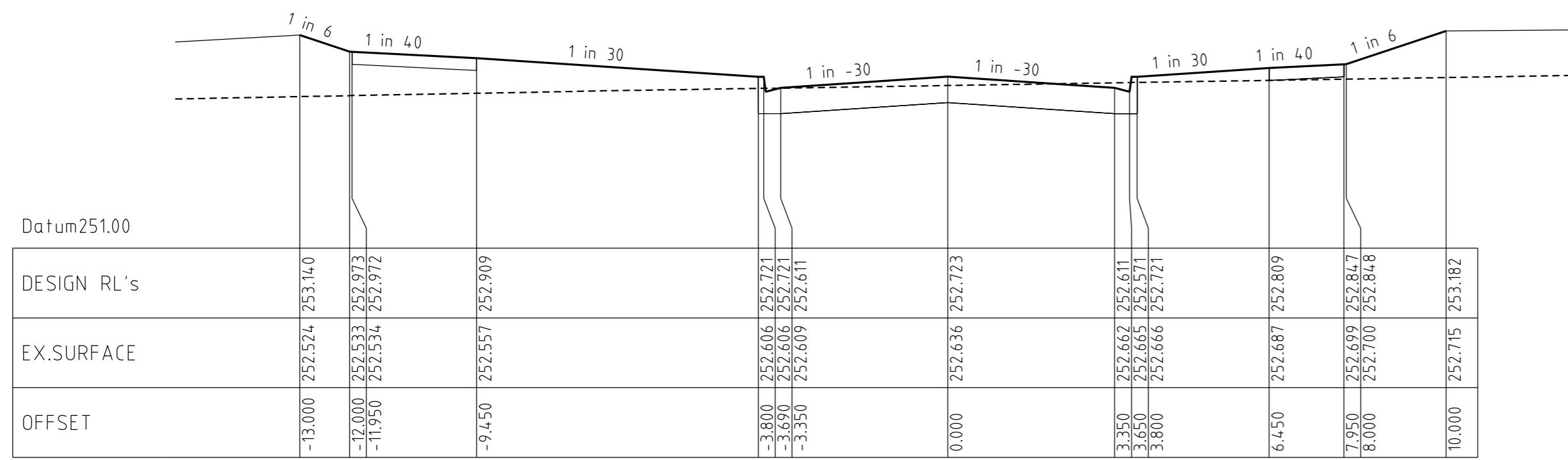
Chainage 436.30



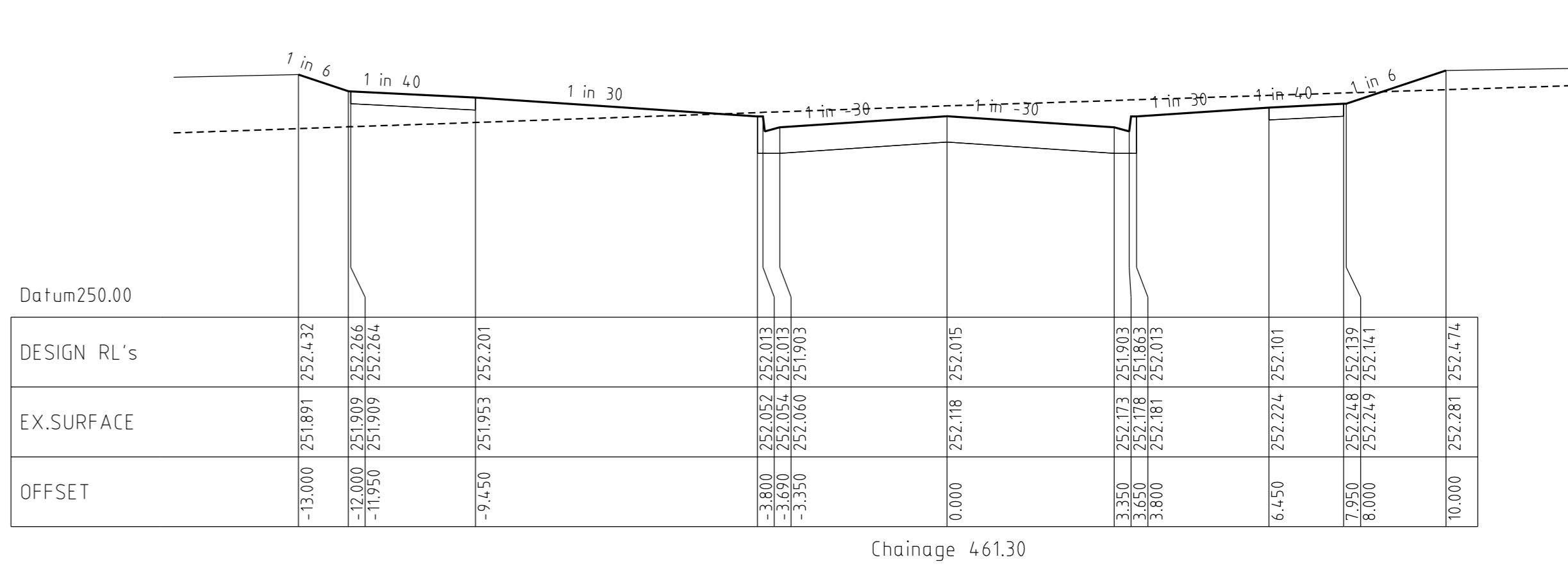
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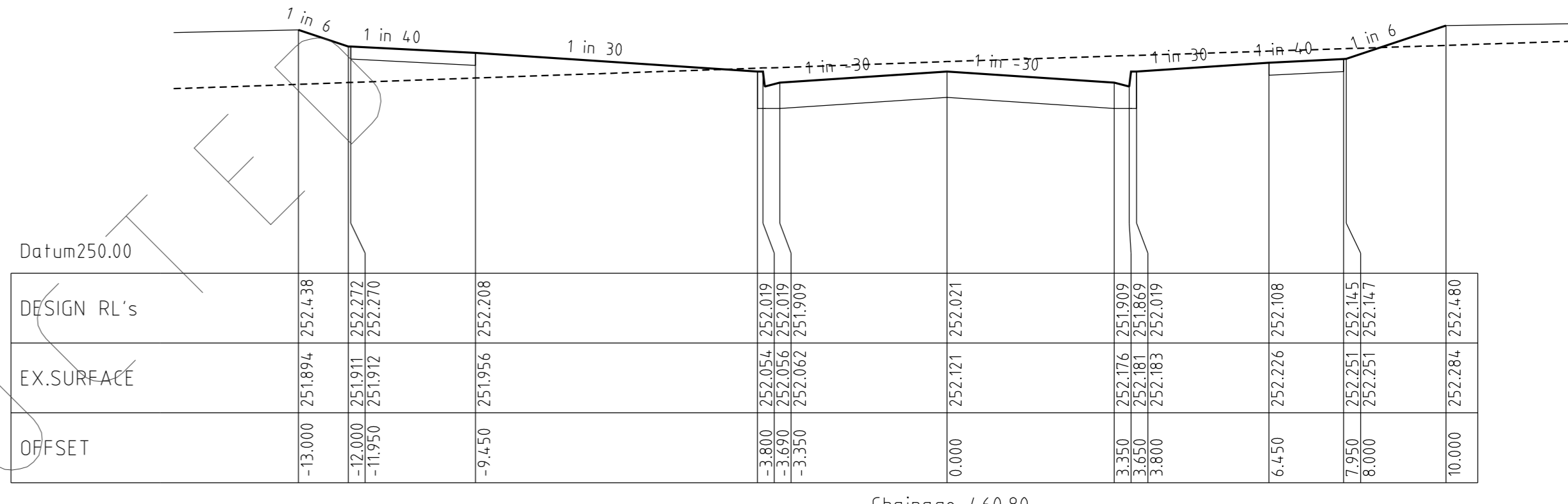
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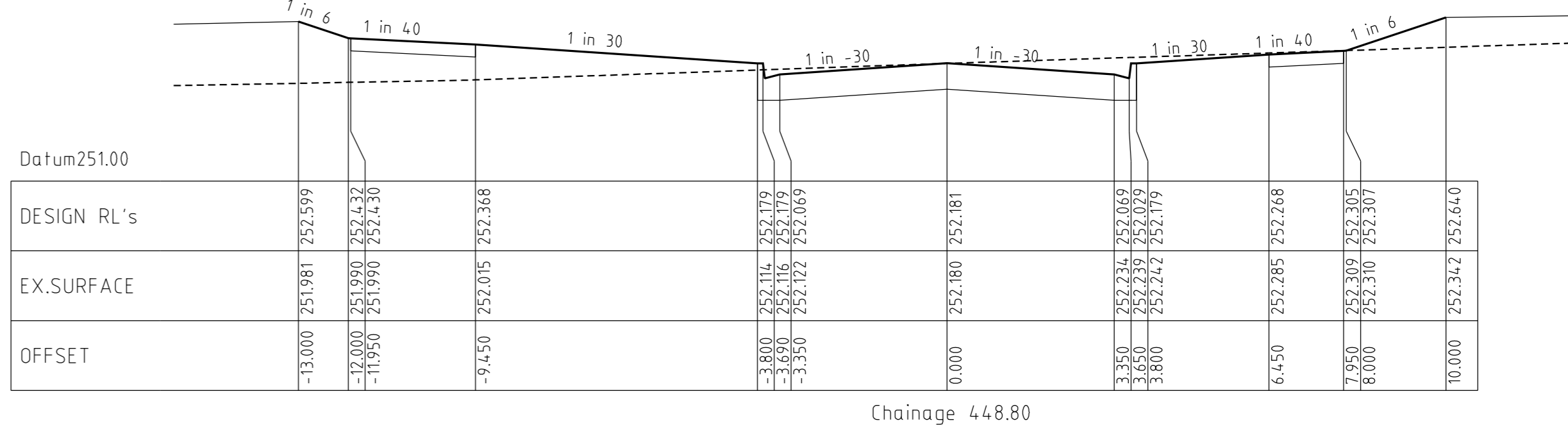
Chainage 410.10



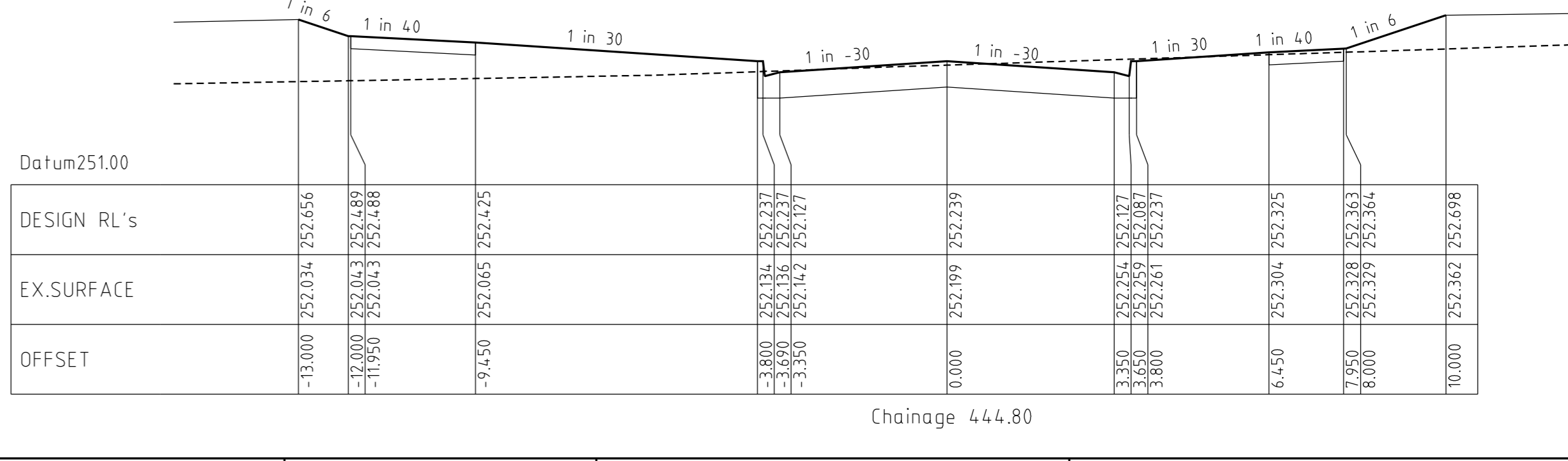
Chainage 461.30



Chainage 460.80

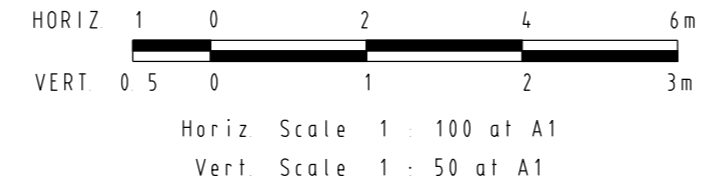


Chainage 448.80



Chainage 444.80

TRILLIUM BOULEVARD CROSS SECTIONS



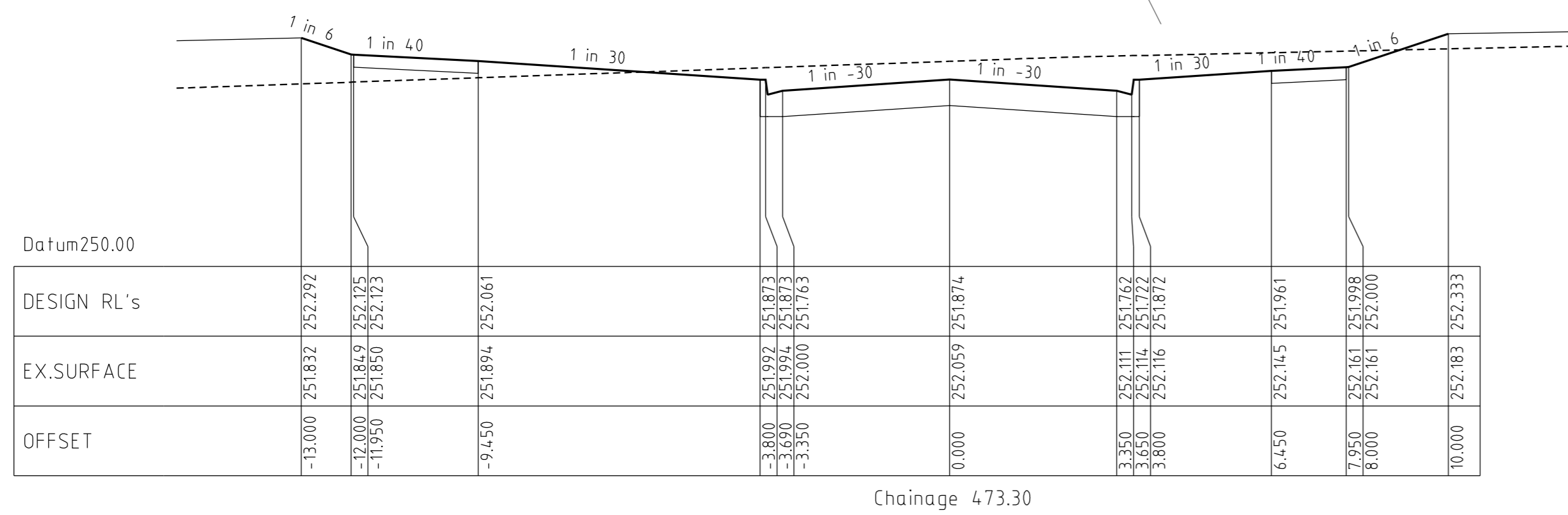
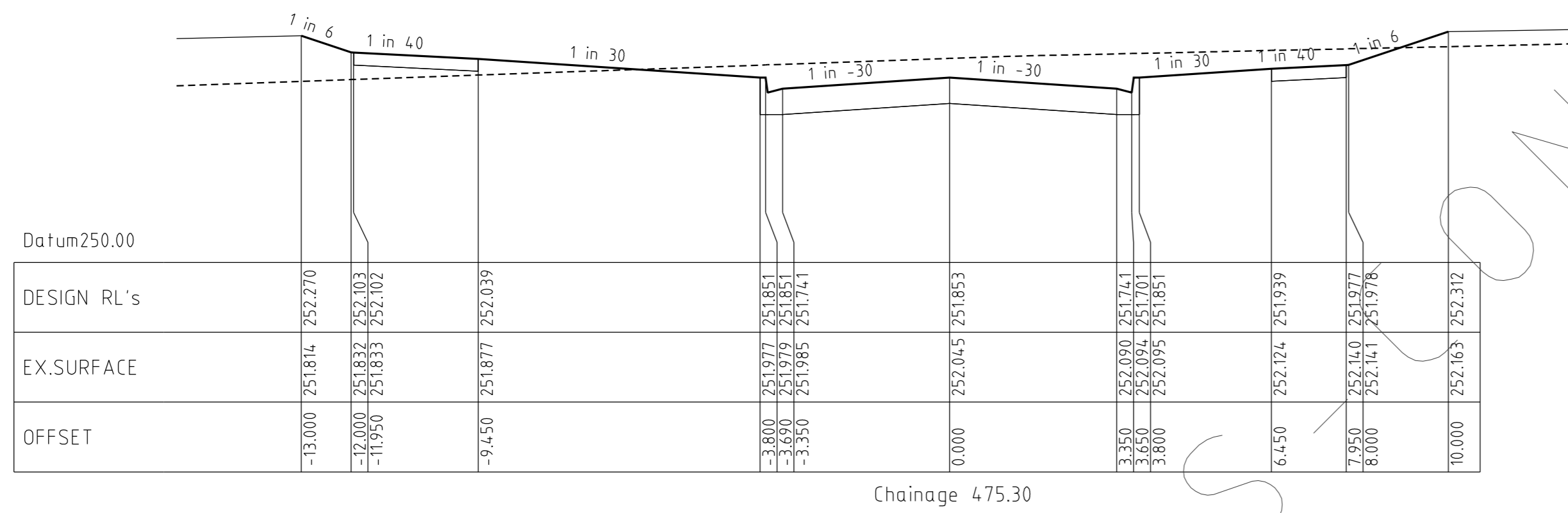
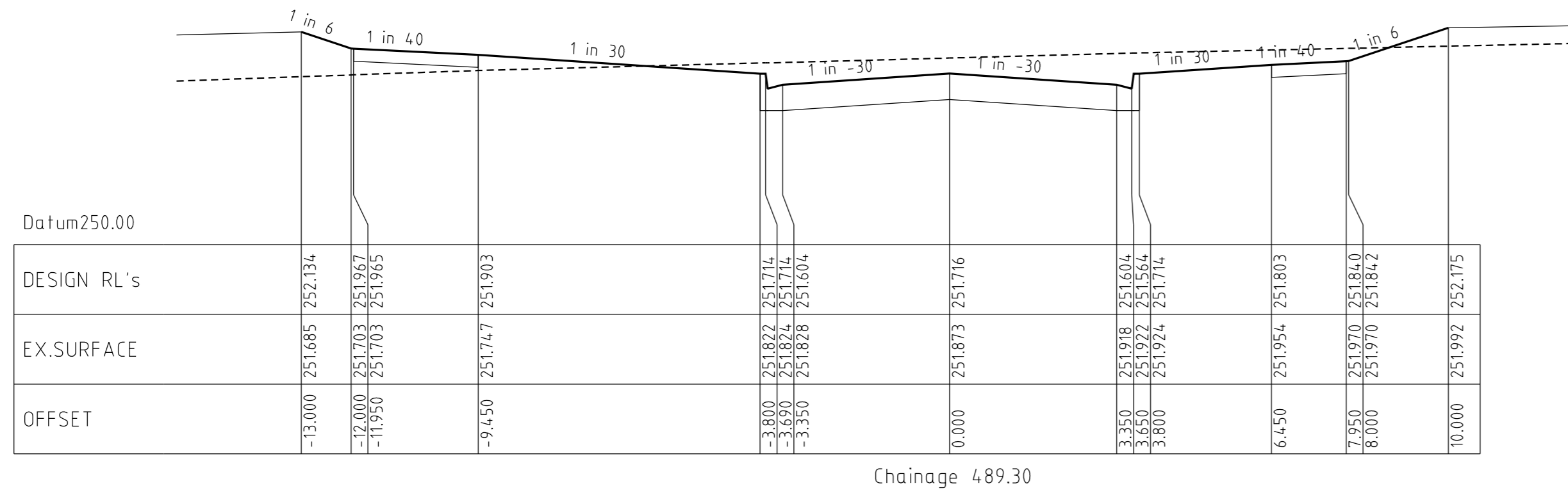
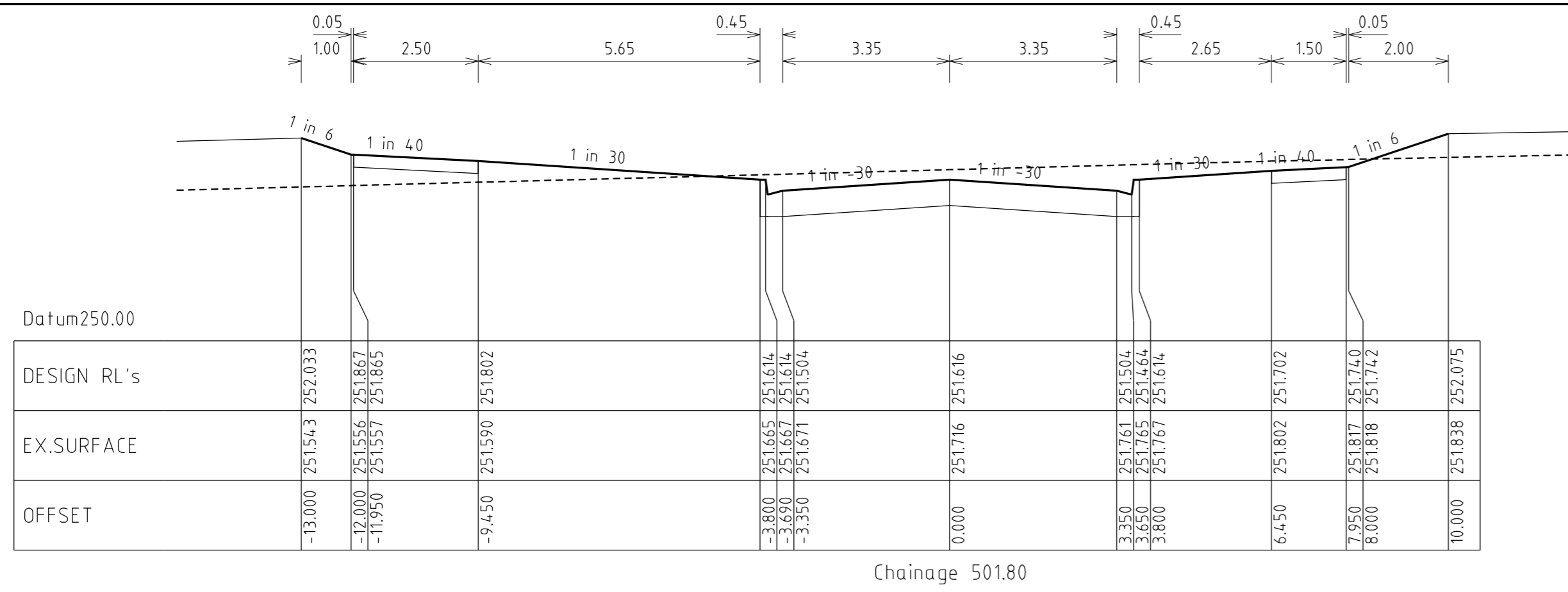
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| 19/02/13 | F AS CONSTRUCTED | ASC | DATUM: | AHD | |
| 30/11/12 | E PAVEMENT MAKEUP AMENDMENTS | ASC | PROJECT No.: | 36182_2A | |
| 16/11/12 | D DRAINAGE LINE 29 AMENDMENTS | ASC | DRAWN: | Z.W.L. | DATE: MAR 2012 |
| 5/09/12 | C LOT 218 CROSSOVER RELOCATION | ASC | DESIGNED: | Z.W.L. | DATE: MAR 2012 |
| FILENAME: K:\36182\36182_2a\dgn\r06.dgn | | | | AUTHORISED: | A.S.C DATE: MAR 2012 |



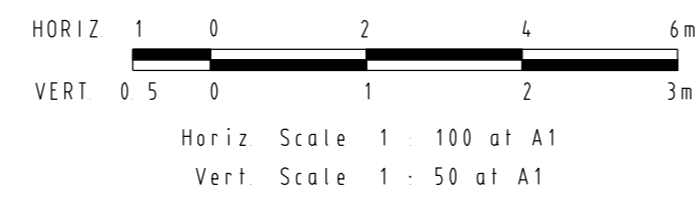
MORNINGTON
5 Plain Street,
P.O. Box 171 3911
Phone: (03) 5975 4444
Fax: (03) 5975 3916
DX: 93118 Mornington

MELBOURNE
The Melbourne, Suite 2
29 St. Kilda Road,
Melbourne, 3004
Phone: (03) 9497 8000
Fax: (03) 9497 8099

| | | |
|---|--|-----------------|
| HUME CITY COUNCIL | | PLAN NUMBER |
| VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 2A MICKLEHAM ROAD AND DRAINAGE PLANS | | 36182/2A R06 |
| TRILLIUM BOULEVARD CROSS SECTIONS | | REVISION G |
| | | SHEET 6 OF 15 |



TRILLIUM BOULEVARD
CROSS SECTIONS



| REVISIONS | | | SCALE: | AS SHOWN |
|---|--------------------------------|------------|---------------|----------------------|
| DATE | DETAILS | AUTHORISED | DATE PRINTED: | 28/02/2014 |
| 28/02/14 | G DRAINAGE PIT NAME AMENDMENT | ASC | LEVEL DATA: | K:\36182\36182\LT00 |
| 19/02/13 | F AS CONSTRUCTED | ASC | DATUM: | AHD |
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| 16/11/12 | D DRAINAGE LINE 29 AMENDMENTS | ASC | DRAWN: | Z.W.L DATE: MAR 2012 |
| 5/09/12 | C LOT 218 CROSSOVER RELOCATION | ASC | DESIGNED: | Z.W.L DATE: MAR 2012 |
| FILENAME: k:\36182\36182_2a\dgn\r07.dgn | | | AUTHORISED: | A.S.C DATE: MAR 2012 |

WATSONS
MORNINGTON: 6 Plain Street, P.O. Box 171 3931, Phone: (03) 5975 4444, Fax: (03) 5975 3916, DX 93118 Mornington.
MELBOURNE: The Melbourne, Suite 2, 220 St. Kilda Road, Melbourne, 3004, Phone: (03) 9647 8000, Fax: (03) 9697 8099

| | | |
|---|--|-------------------|
| HUME CITY COUNCIL | | PLAN NUMBER |
| VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 2A MICKLEHAM ROAD AND DRAINAGE PLANS | | 36182/2A R07 |
| TRILLIUM BOULEVARD CROSS SECTIONS | | REVISION G |
| | | SHEET 7 OF 15 |

**HUES STREET
LONGITUDINAL SECTION**

HORIZ 5 0 10 20 30m
VERT 0 5 1 2 3m
Horiz Scale 1 : 500 at A1
Vert Scale 1 : 50 at A1

Horizontal Geometry
Vertical Grade
VC length

Datum RL.247

| CHAINAGES | EXISTING SURFACE | DESIGN CENTRELINE |
|-----------|------------------|-------------------|
| 0.00 | 252.78 | 252.881 |
| 11.80 | 252.68 | 252.710 |
| 20.00 | 252.60 | 252.592 |
| 27.50 | 252.53 | 252.483 |
| 38.00 | 252.43 | 252.331 |
| 40.00 | 252.41 | 252.302 |
| 50.50 | 252.24 | 252.150 |
| 55.00 | 252.16 | 252.085 |
| 60.00 | 252.08 | 252.014 |
| 61.00 | 252.07 | 252.000 |
| 73.20 | 251.93 | 251.841 |
| 80.00 | 251.85 | 251.759 |
| 85.00 | 251.80 | 251.703 |
| 96.80 | 251.67 | 251.582 |
| 100.00 | 251.64 | 251.552 |
| 107.00 | 251.56 | 251.491 |
| 115.00 | 251.47 | 251.428 |
| 118.50 | 251.46 | 251.425 |
| 120.00 | 251.41 | 251.391 |
| 125.00 | 251.35 | 251.354 |

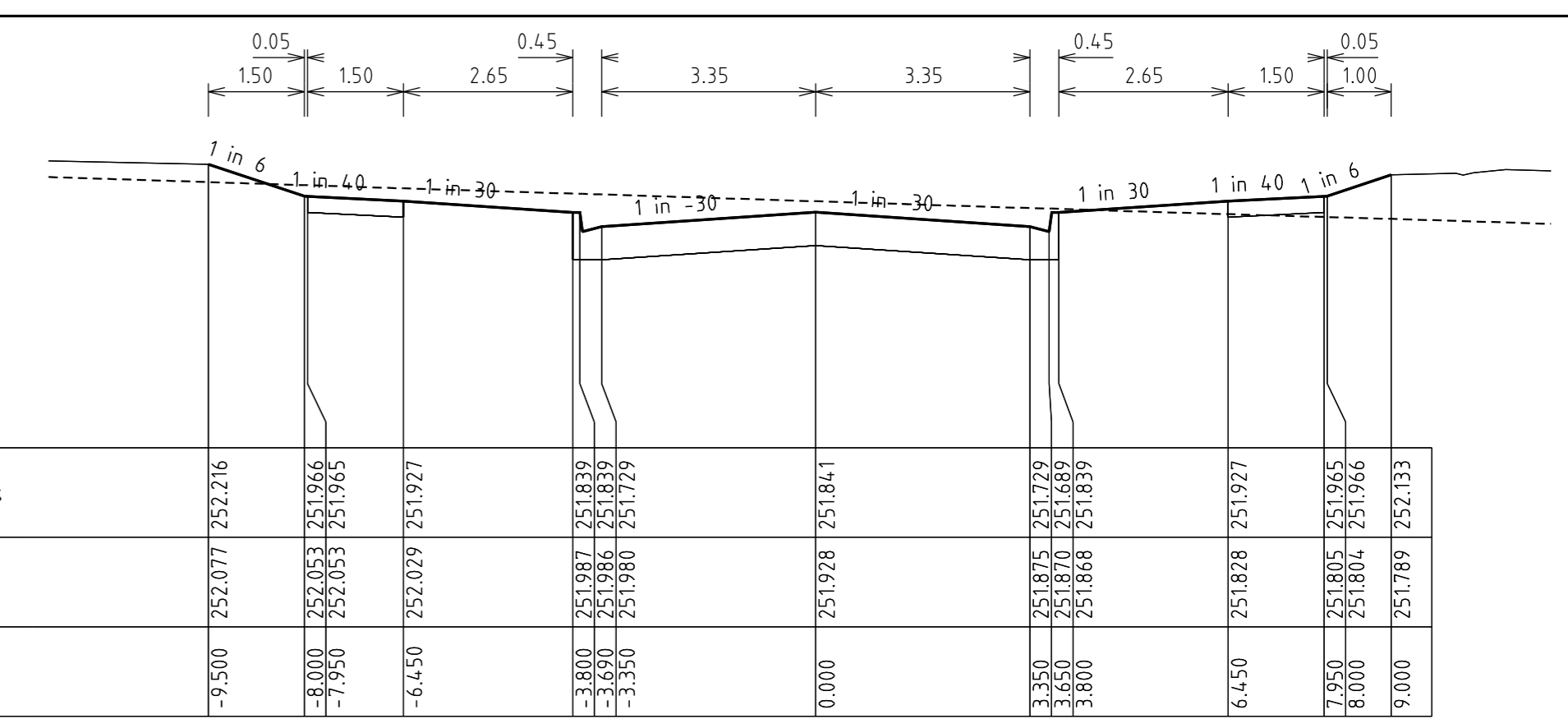
EXISTING SURFACE
DESIGN SURFACE

-1.448%

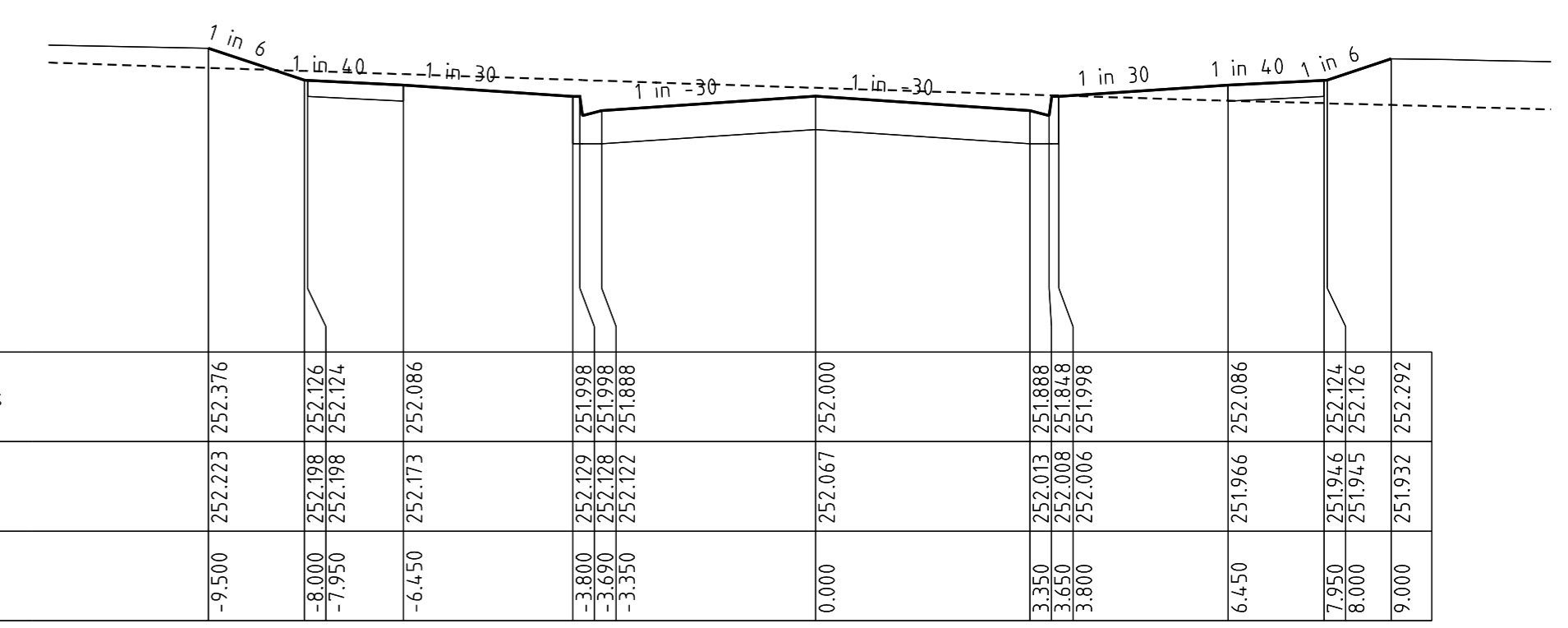
60.0m VC

-0.739%

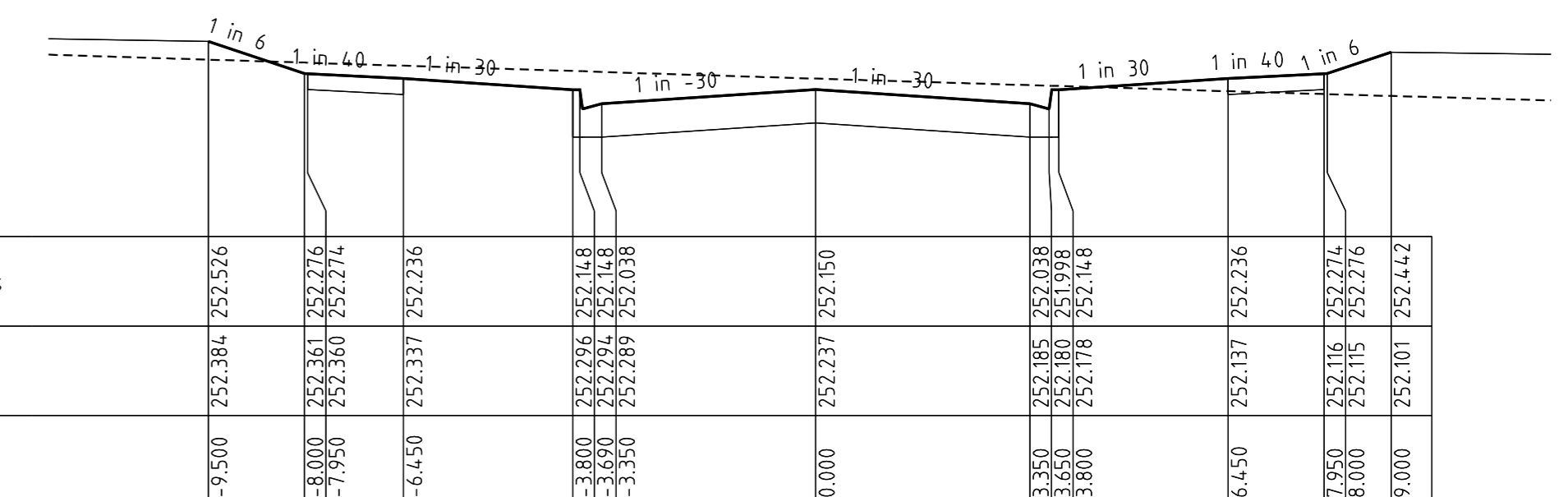
IP RL 251.650
CHRS.0.0



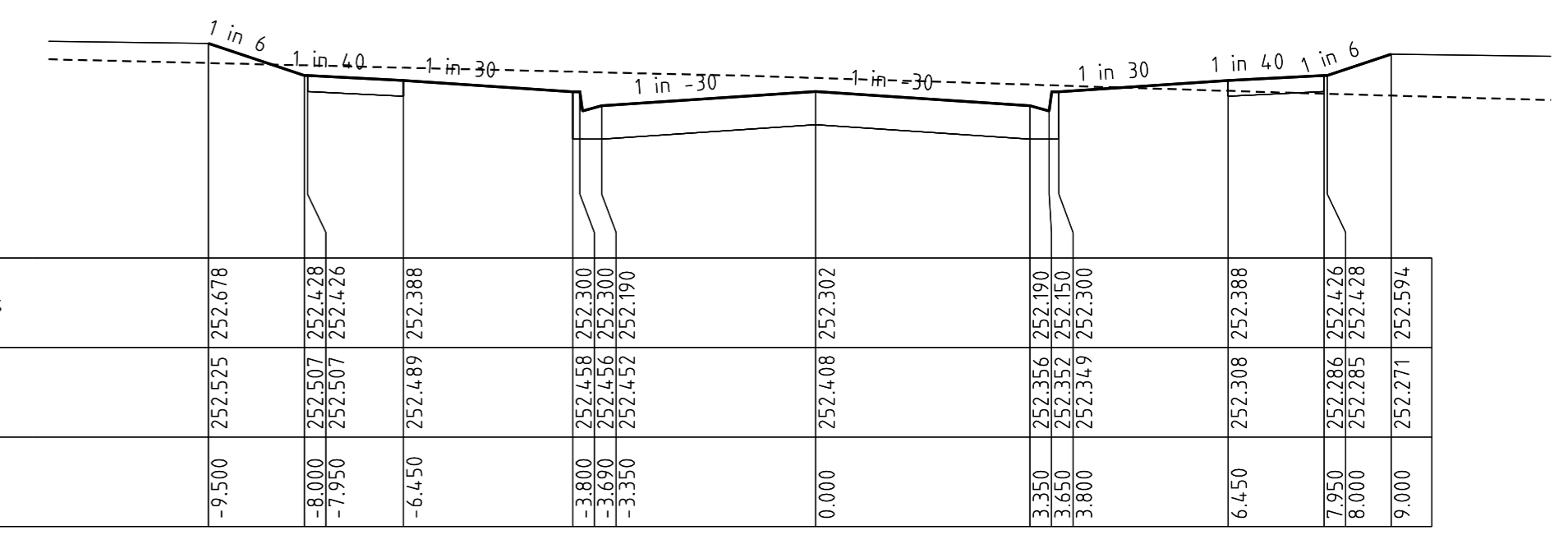
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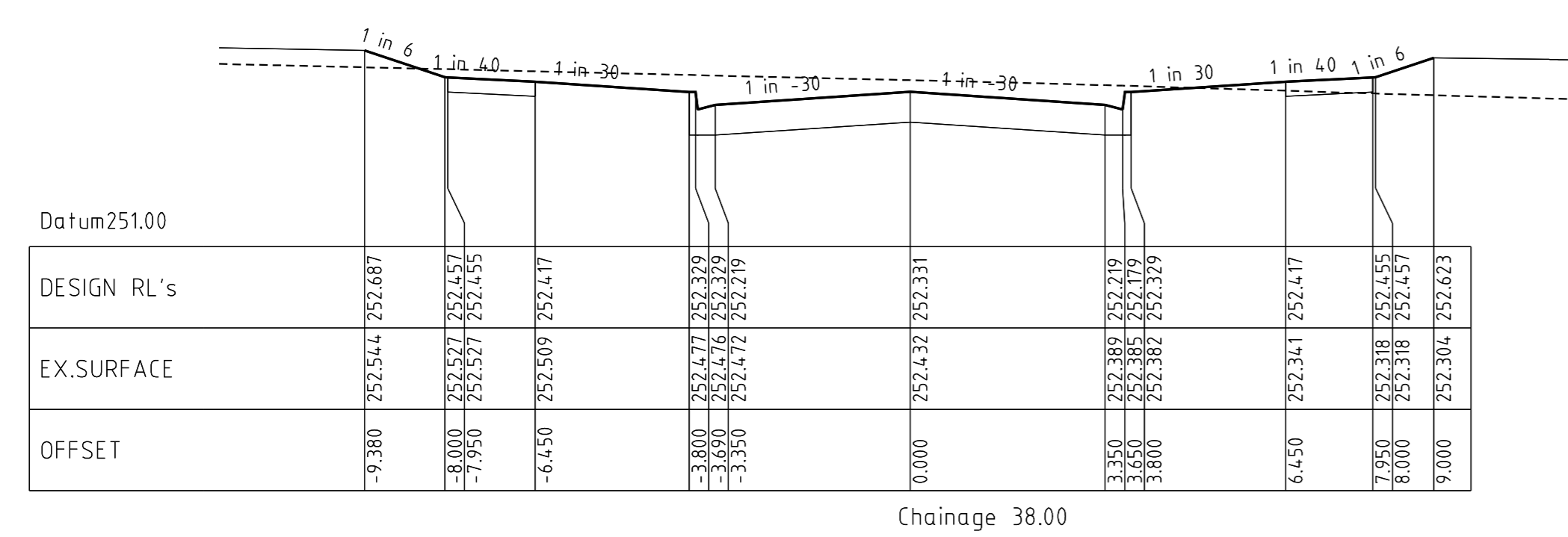
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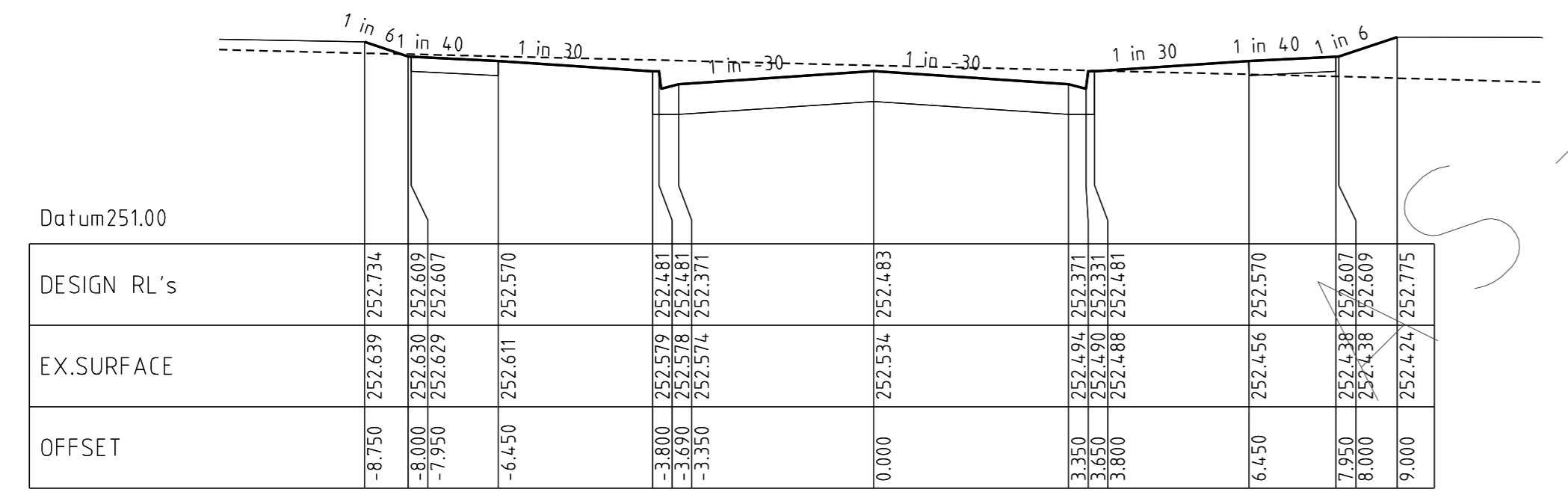
Chainage 50.50



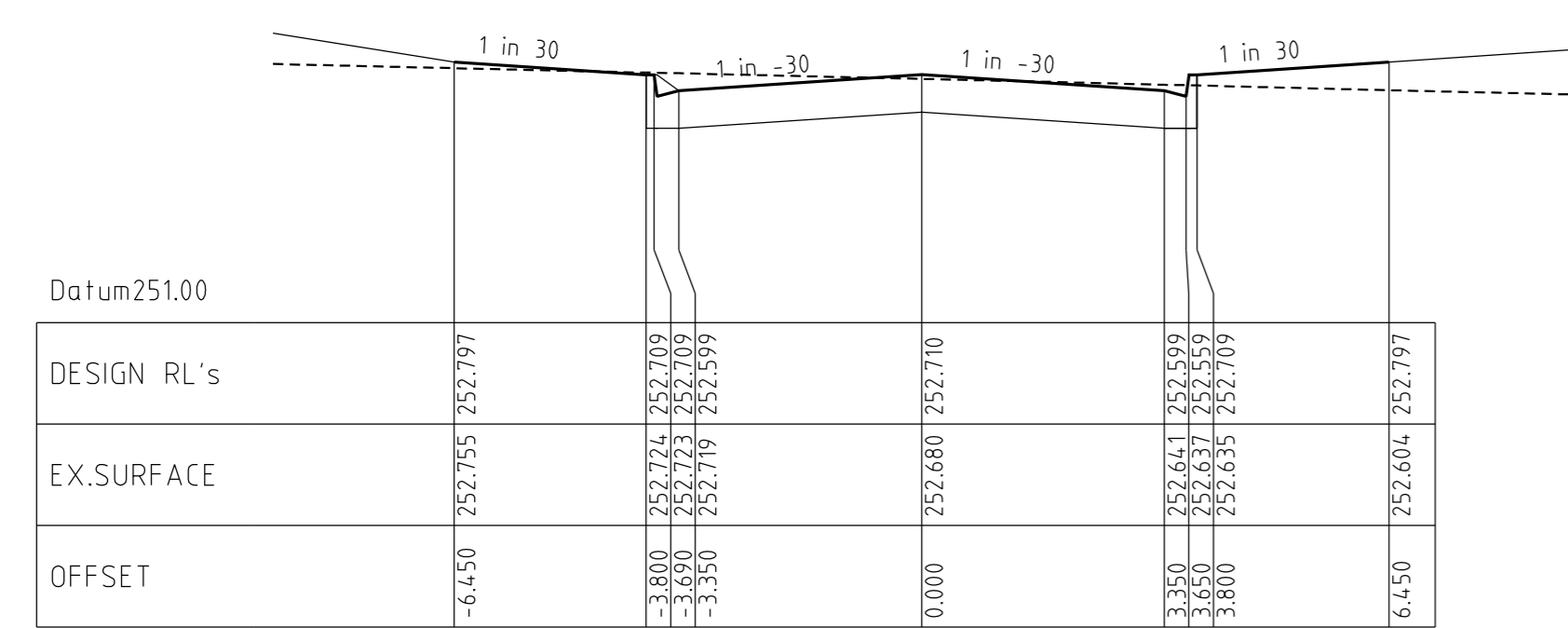
Chainage 40.00



Chainage 38.00

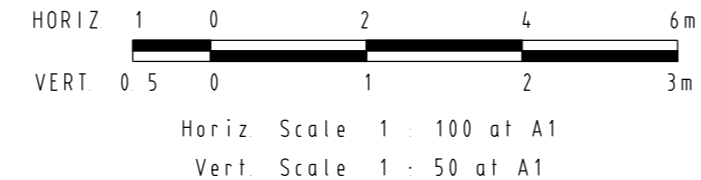


Chainage 27.50



Chainage 11.80

**HUES STREET
CROSS SECTIONS**



AS - CONSTRUCTED

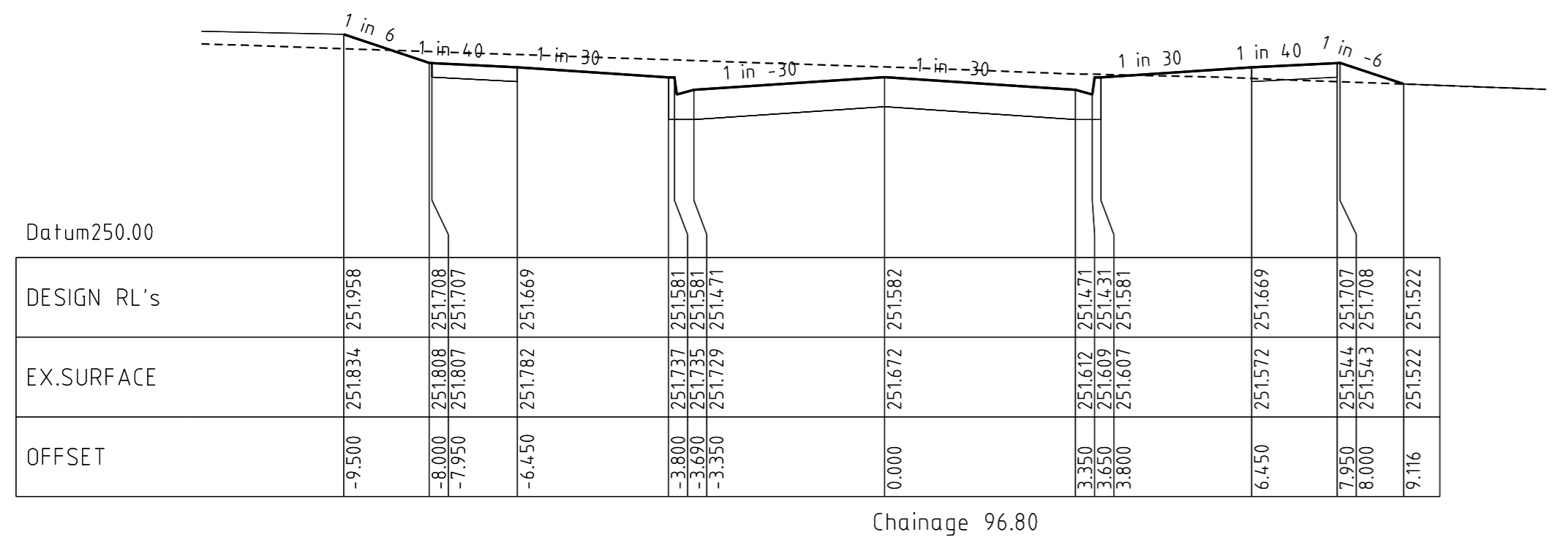
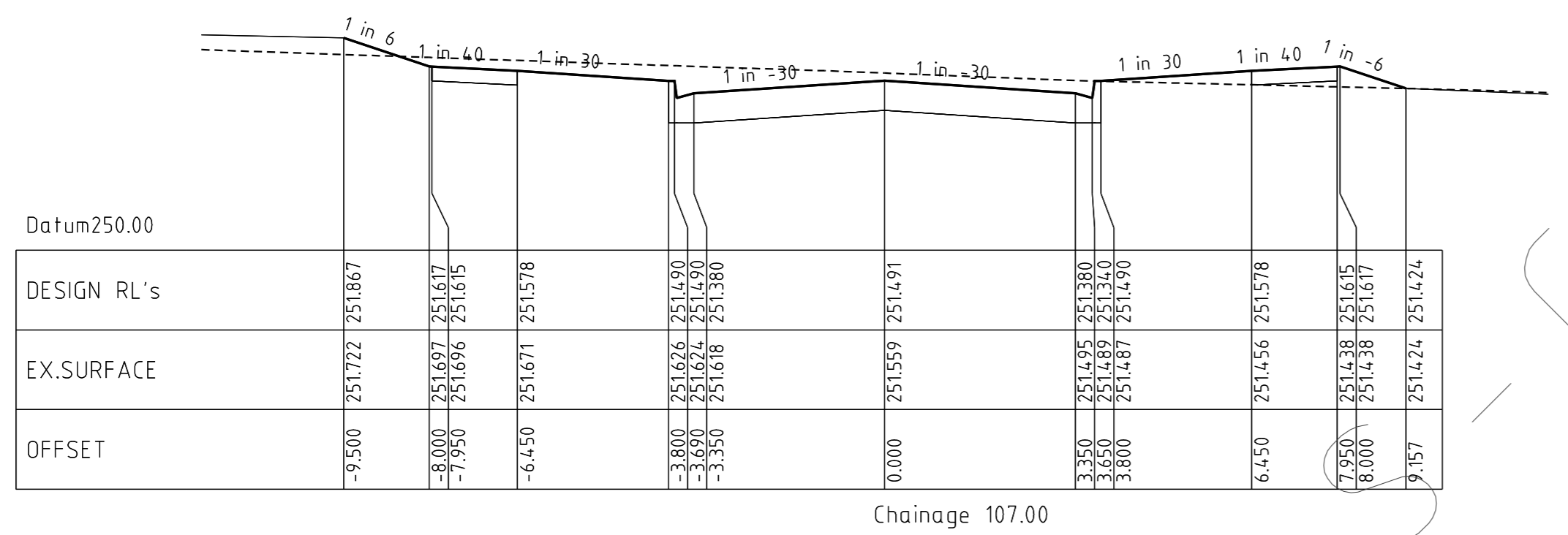
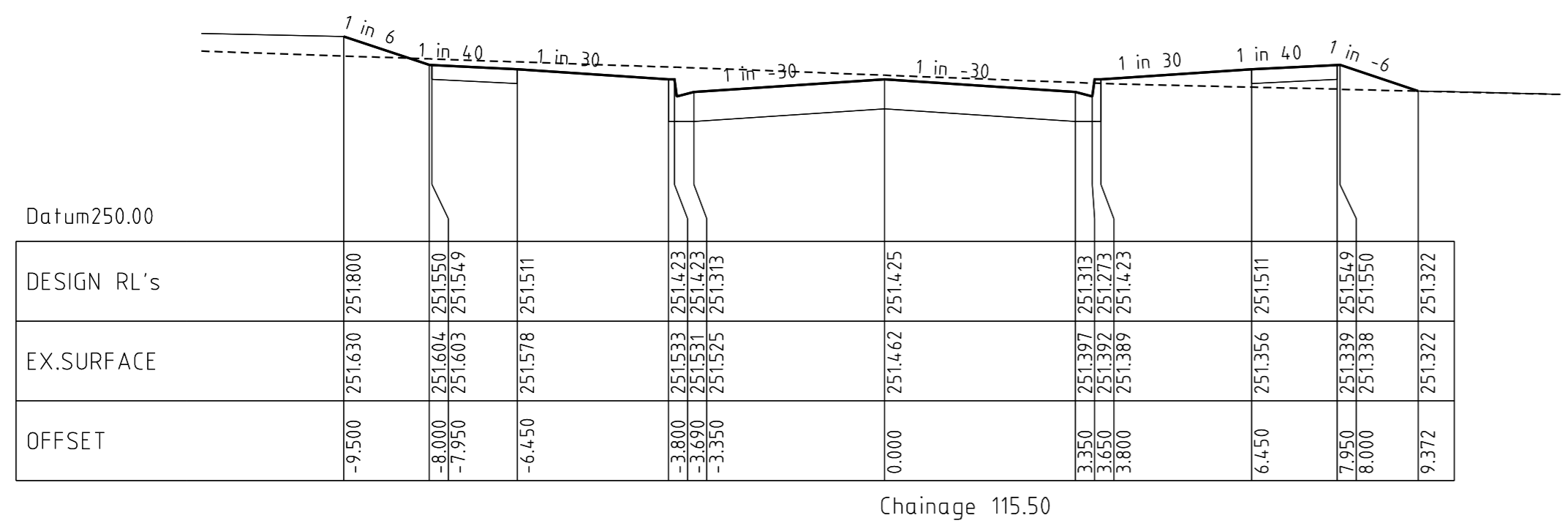
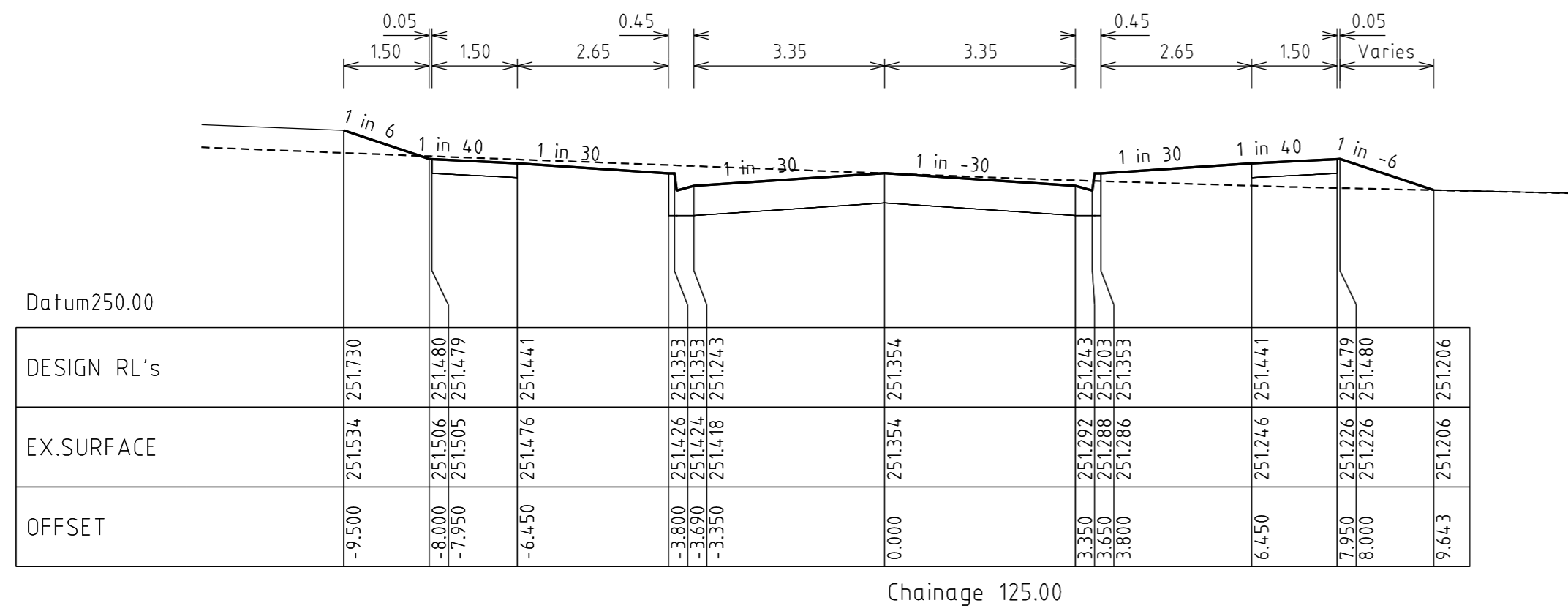
| REVISIONS | | | SCALE: |
|---|--------------------------------|------------|----------------------------------|
| DATE | DETAILS | AUTHORISED | AS SHOWN |
| 28/02/14 | G DRAINAGE PIT NAME AMENDMENT | ASC | DATE PRINTED: 28/02/2014 |
| 19/02/13 | F AS CONSTRUCTED | ASC | LEVEL DATA: K:\36182\36182\LT0PO |
| 30/11/12 | E PAVEMENT MAKEUP AMENDMENTS | ASC | DATUM: AHD |
| 16/11/12 | D DRAINAGE LINE 29 AMENDMENTS | ASC | PROJECT No.: 36182_2A |
| 5/09/12 | C LOT 218 CROSSOVER RELOCATION | ASC | DRAWN: DATE: MAR 2012 |
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| | | | AUTHORISED: A.S.C DATE: MAR 2012 |



MORNINGTON
P.O. Box 171 3911
Phone: (03) 5975 4644
Fax: (03) 5975 3916
DX: 93198 Mornington

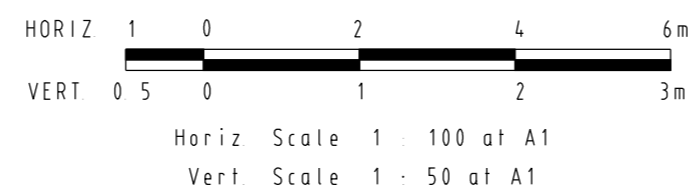
MELBOURNE
The Melbourne, Suite 2
258 St. Kilda Road
Melbourne, 3004
Phone: (03) 9647 8000
Fax: (03) 9697 8099

| HUME CITY COUNCIL | | PLAN NUMBER |
|---|--|-----------------|
| VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 2A MICKLEHAM ROAD AND DRAINAGE PLANS | | 36182/2A R08 |
| HUES STREET LONGITUDINAL & CROSS SECTIONS | | REVISION G |
| | | SHEET 8 OF 15 |



AS CONSTRUCTED

**HUES STREET
CROSS SECTIONS**



| REVISIONS | | | SCALE: | AS SHOWN |
|--|--------------------------------|------------|---------------|----------------------|
| DATE | DETAILS | AUTHORISED | DATE PRINTED: | 28/02/2014 |
| 28/02/14 | G DRAINAGE PIT NAME AMENDMENT | ASC | LEVEL DATA: | K:\36182\36182\LT00 |
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| 16/11/12 | D DRAINAGE LINE 29 AMENDMENTS | ASC | DRAWN: | Z.W.L DATE: MAR 2012 |
| 5/09/12 | C LOT 218 CROSSOVER RELOCATION | ASC | DESIGNED: | Z.W.L DATE: MAR 2012 |
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MELBOURNE: The Melbourne, Suite 2, 250 St. Kilda Road, Melbourne, 3004. Phone: (03) 9647 8000. Fax: (03) 9647 8099.

| | | |
|---|--|-------------------|
| HUME CITY COUNCIL | | PLAN NUMBER |
| VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 2A MICKLEHAM ROAD AND DRAINAGE PLANS | | 36182/2A R08A |
| HUES STREET LONGITUDINAL & CROSS SECTIONS | | REVISION G |
| | | SHEET 8A OF 15 |

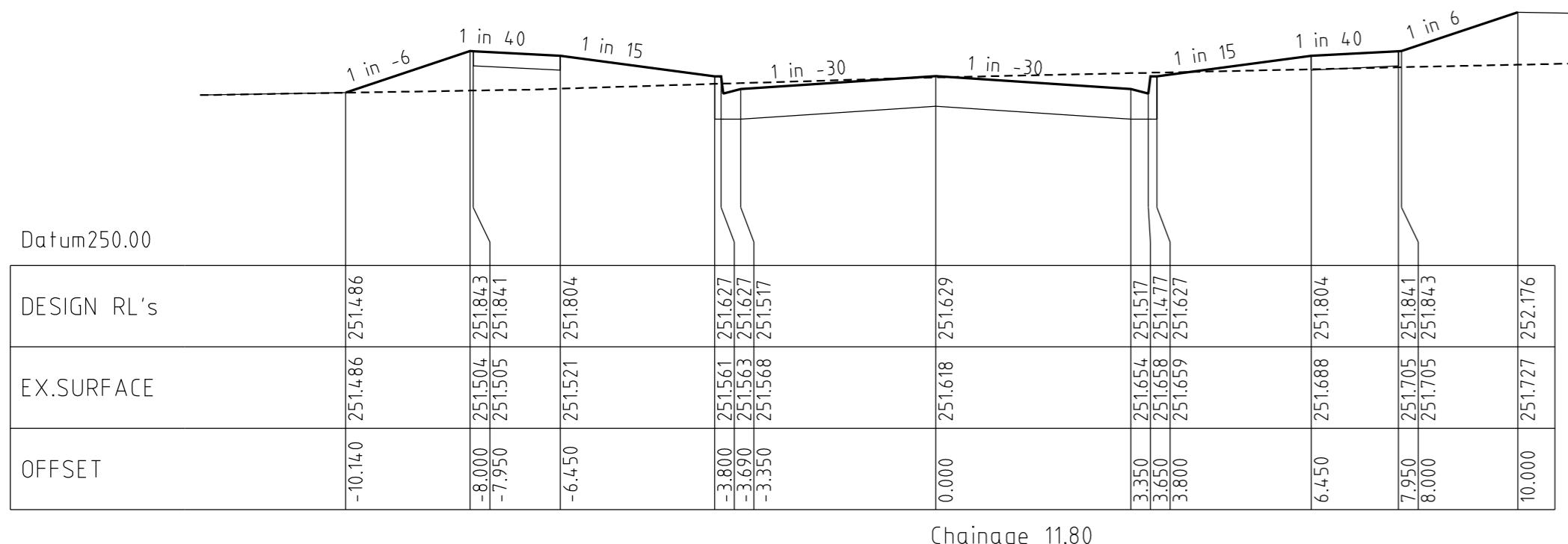
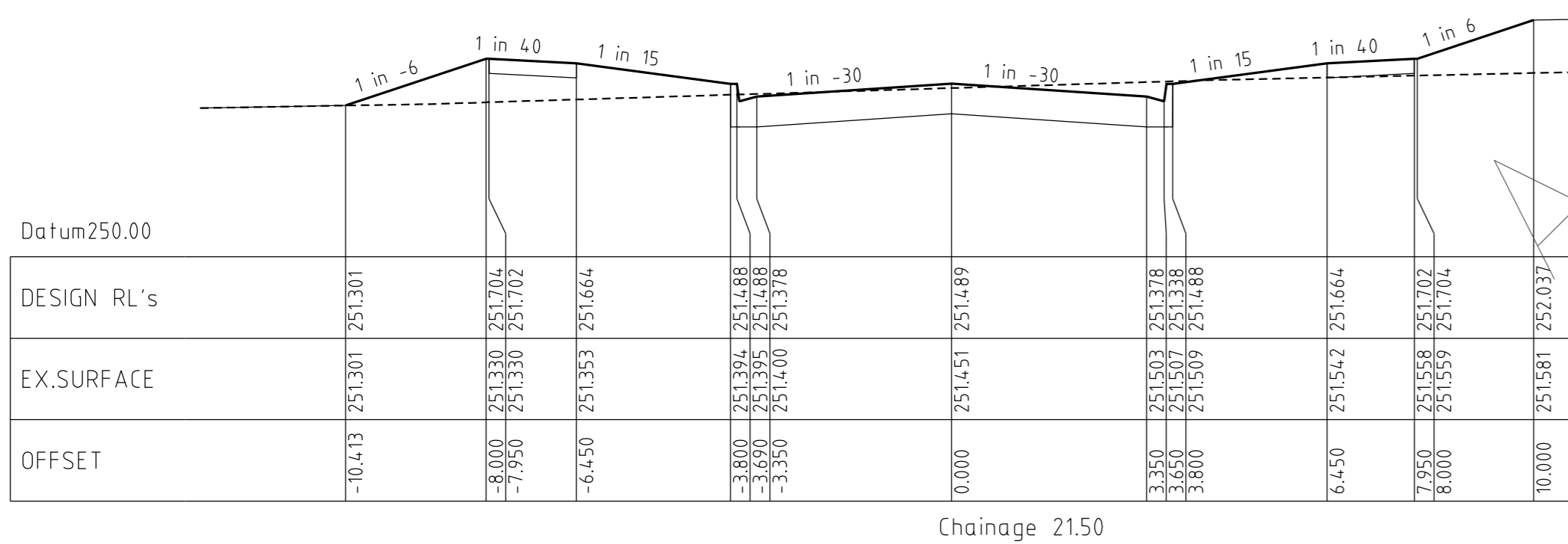
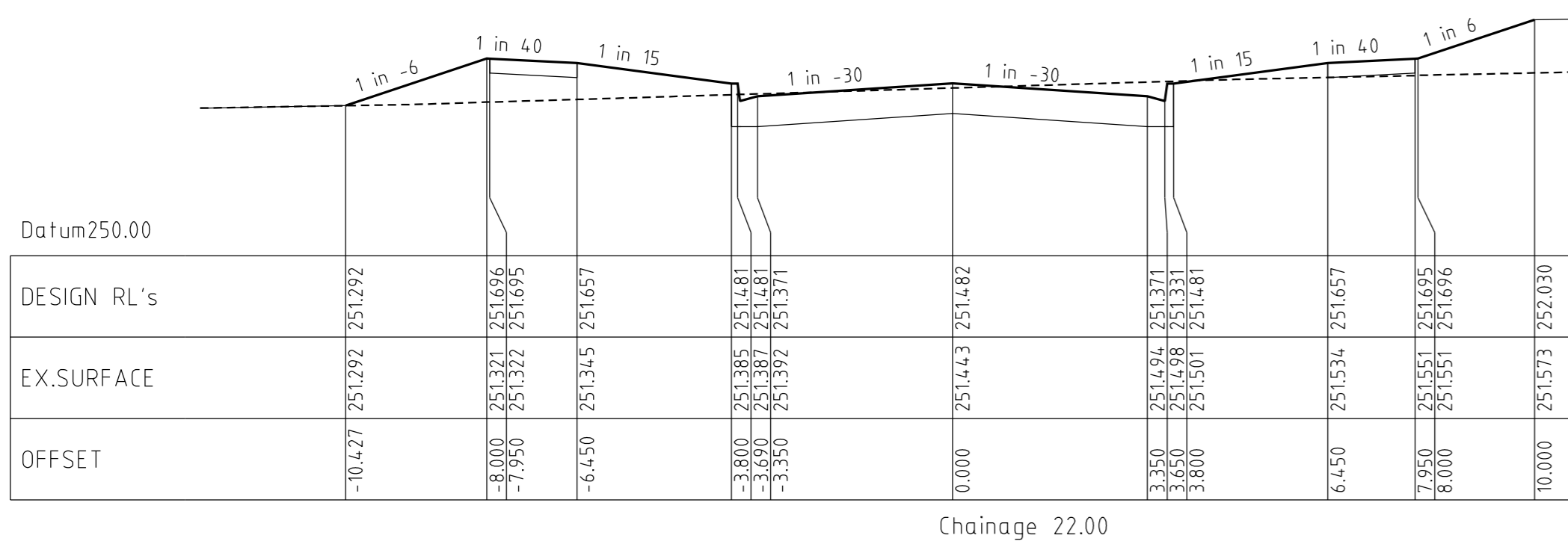
**CELESTE STREET
LONGITUDINAL SECTION**

HORIZ 5 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

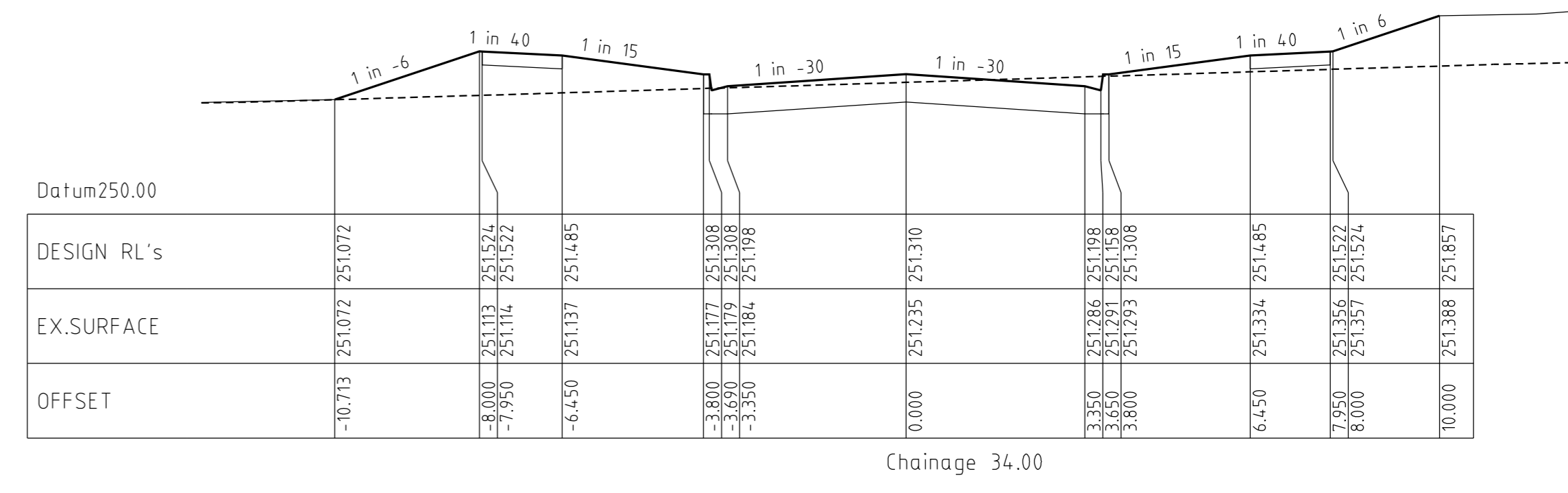
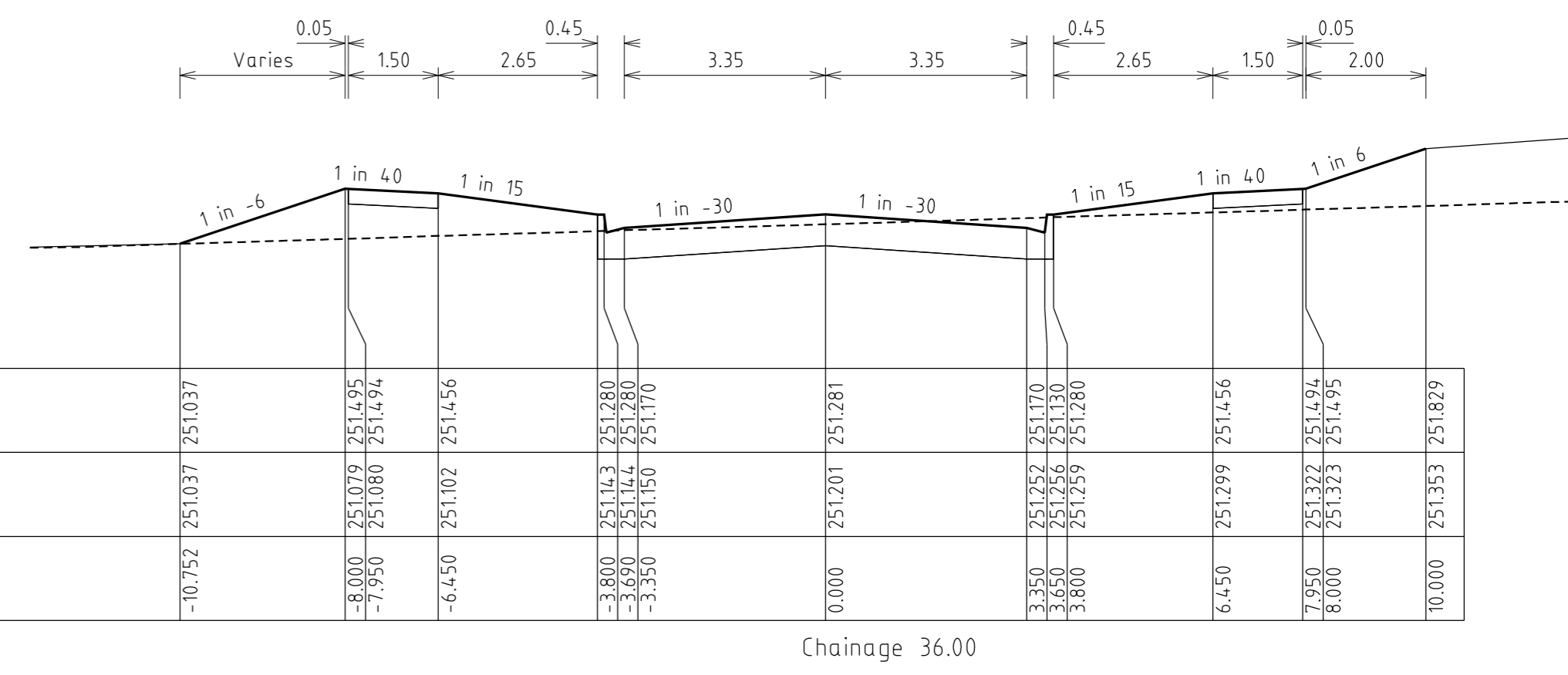
Datum R.L.244

| CHAINAGES | 0.00 | 11.80 | 20.00 | 21.50 | 22.00 | 34.00 | 36.00 | 40.00 | 46.50 | 48.00 | 57.86 | 58.50 | 60.00 | 62.50 | 71.00 | 75.00 | 80.00 | 83.50 | 91.00 | 99.50 | 100.00 | 103.50 | 107.86 | 120.00 | 140.00 | 157.86 | 160.00 | 180.00 | 200.00 | 220.00 | 240.00 | 260.00 | 279.43 |
|-------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| DESIGN CENTRELINE | 251.798 | 251.629 | 251.511 | 251.489 | 251.482 | 251.310 | 251.281 | 251.224 | 251.131 | 251.109 | 250.968 | 250.958 | 250.937 | 250.901 | 250.782 | 250.727 | 250.659 | 250.611 | 250.512 | 250.401 | 250.395 | 250.350 | 250.295 | 250.145 | 249.909 | 249.711 | 249.888 | 249.472 | 249.257 | 249.041 | 248.825 | 248.610 | 248.400 |
| EXISTING SURFACE | 251.800 | 251.629 | 251.489 | 251.489 | 251.482 | 251.240 | 251.200 | 251.140 | 251.060 | 251.040 | 250.910 | 250.900 | 250.880 | 250.840 | 250.720 | 250.660 | 250.600 | 250.560 | 250.470 | 250.350 | 250.340 | 250.300 | 250.250 | 250.130 | 249.960 | 249.770 | 249.750 | 249.560 | 249.330 | 249.130 | 248.880 | 248.640 | 248.400 |



**CELESTE STREET
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



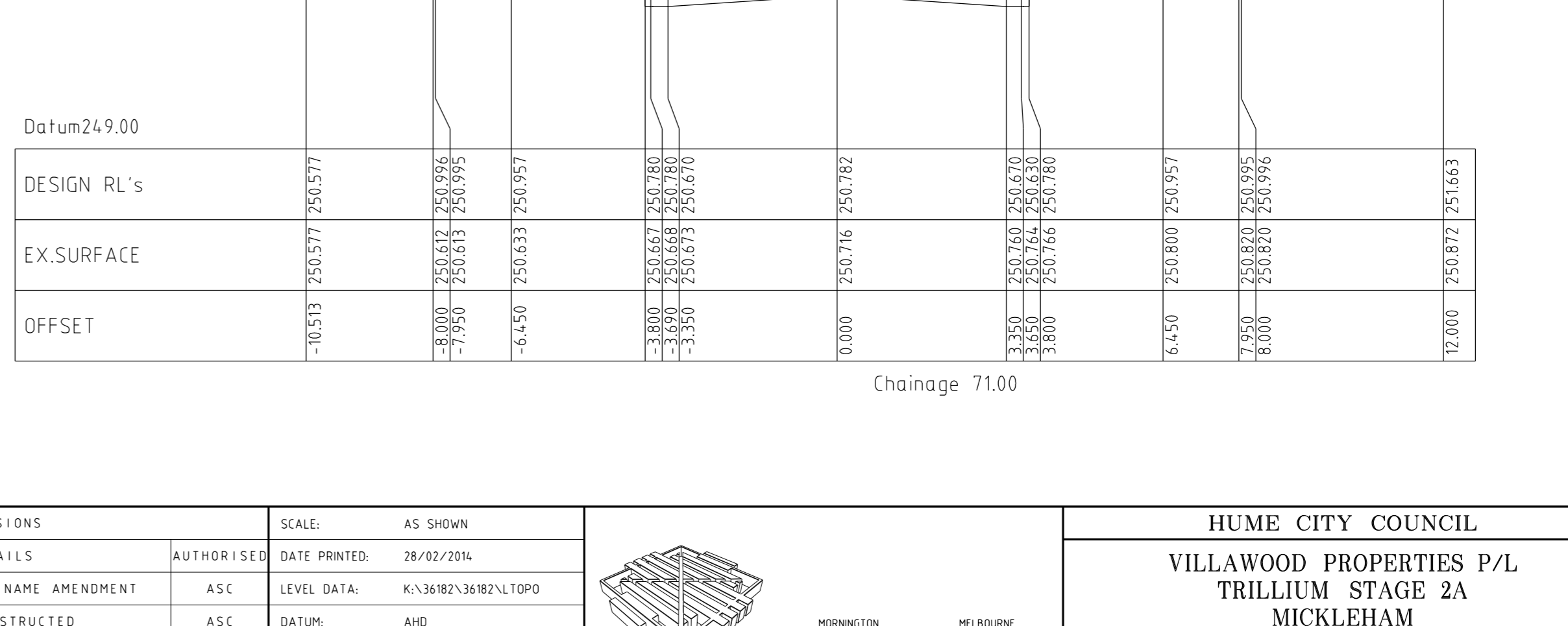
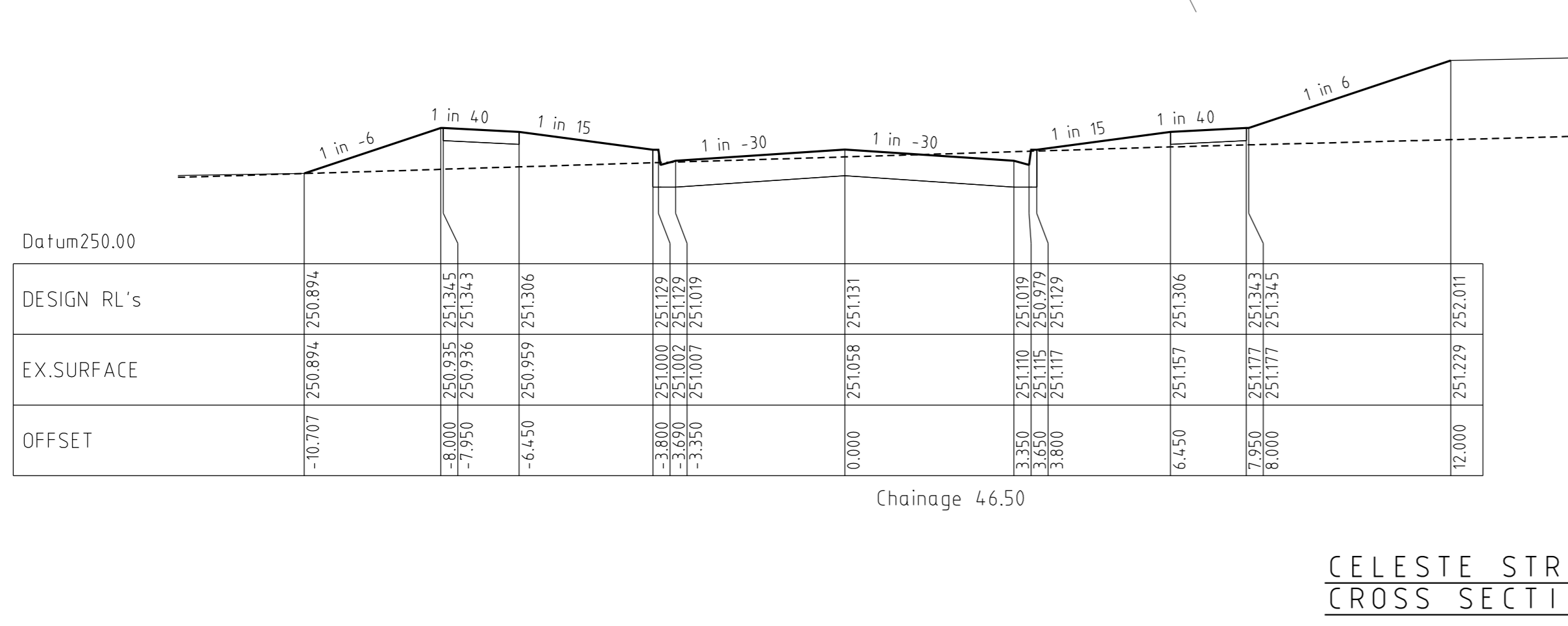
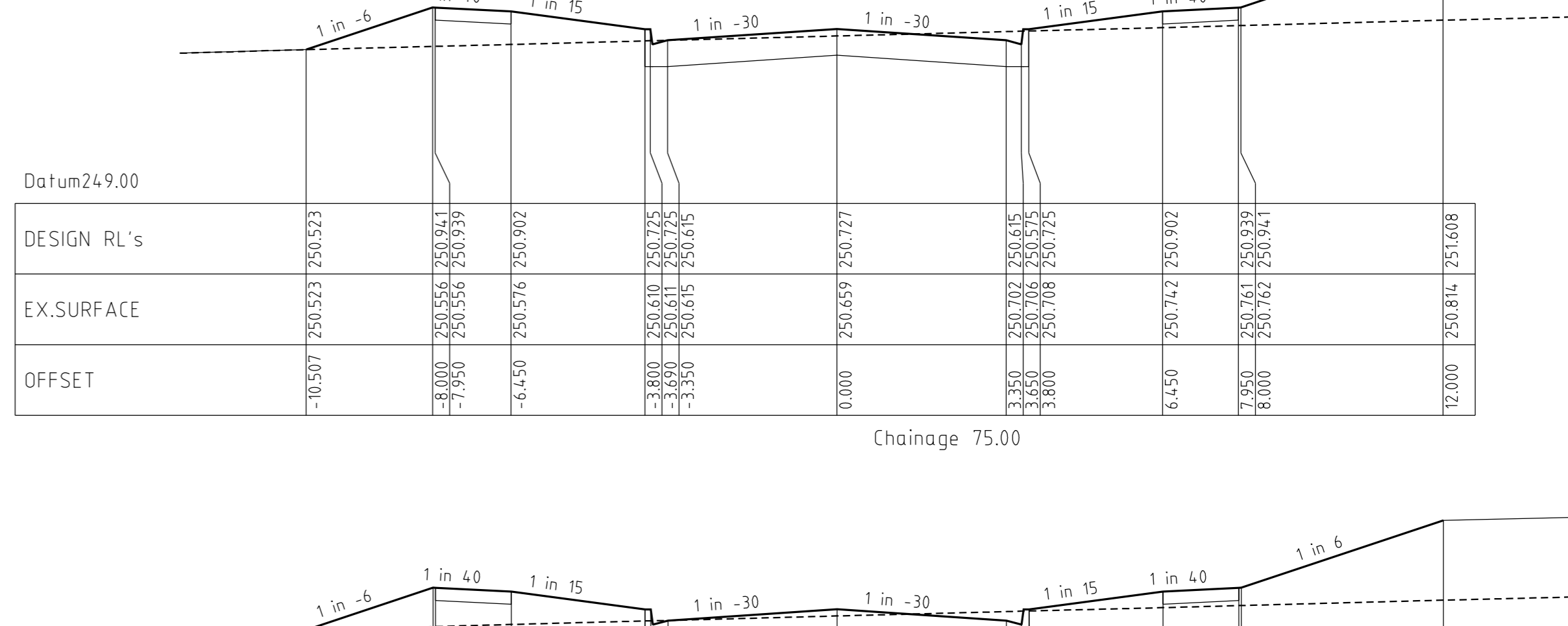
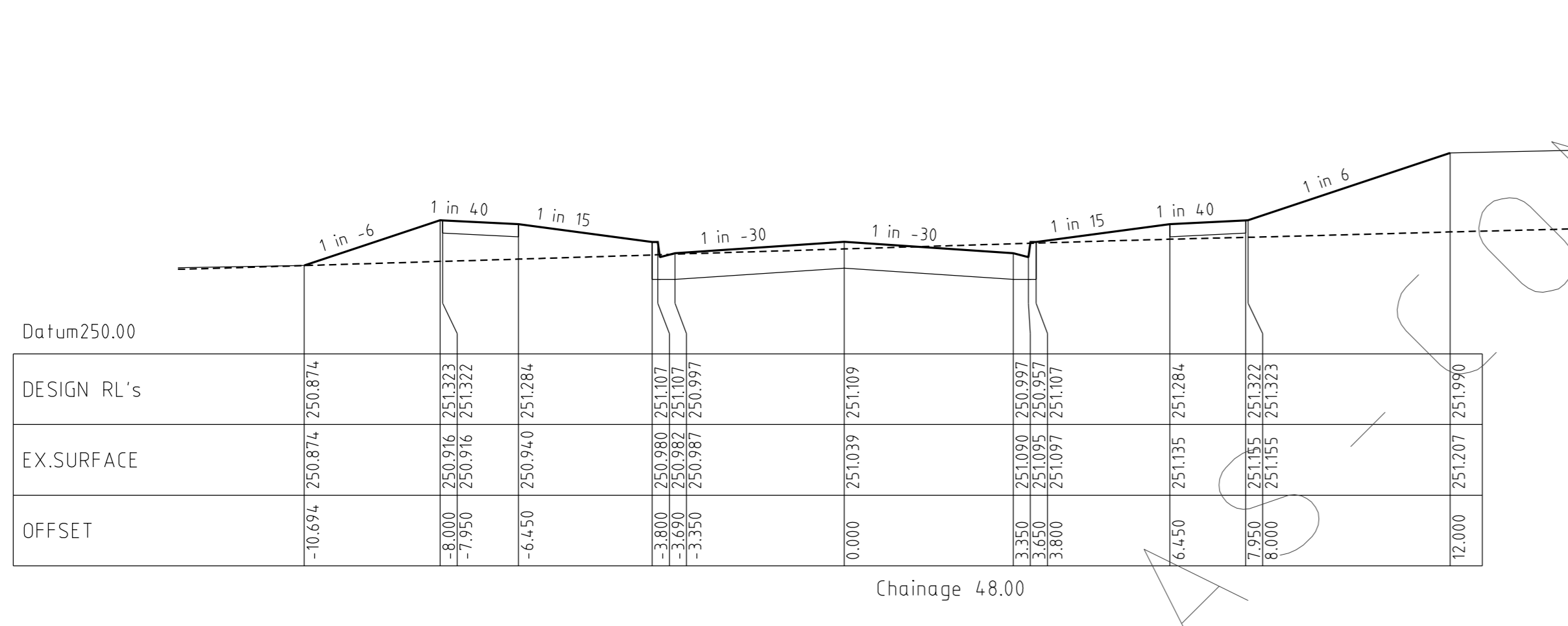
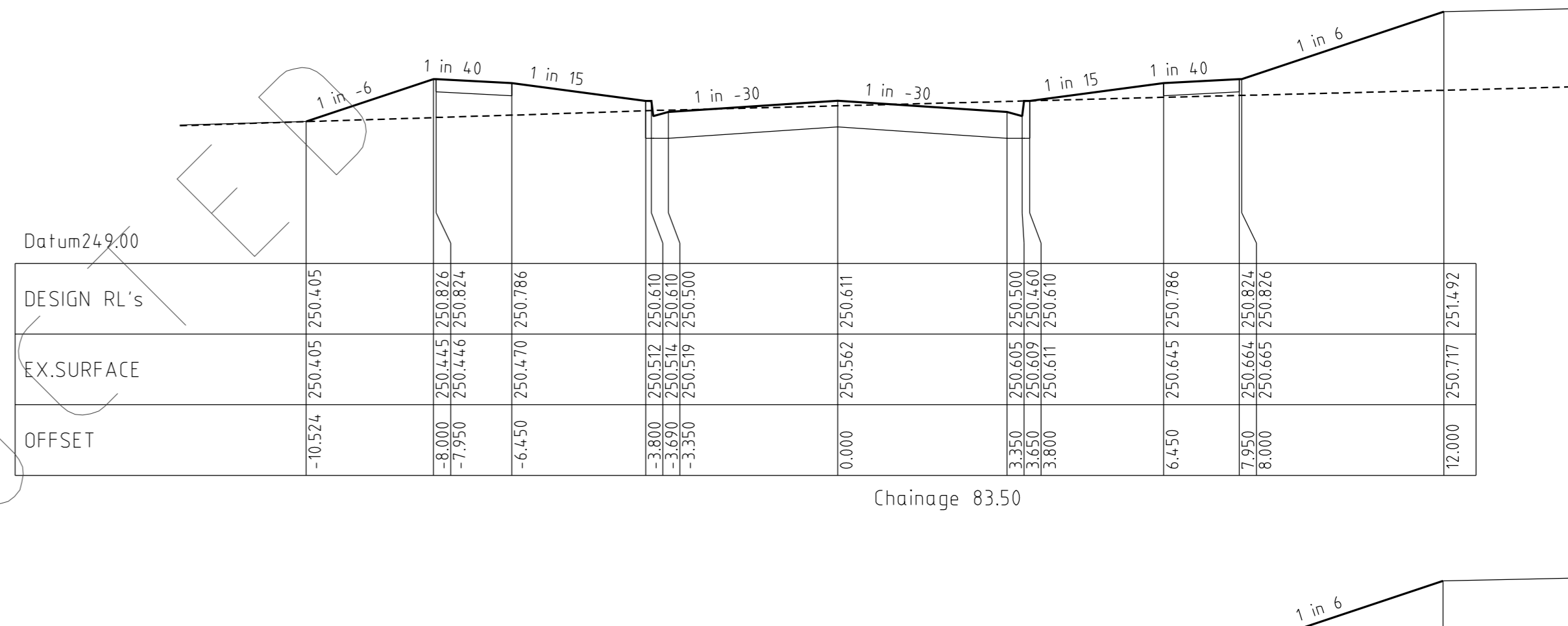
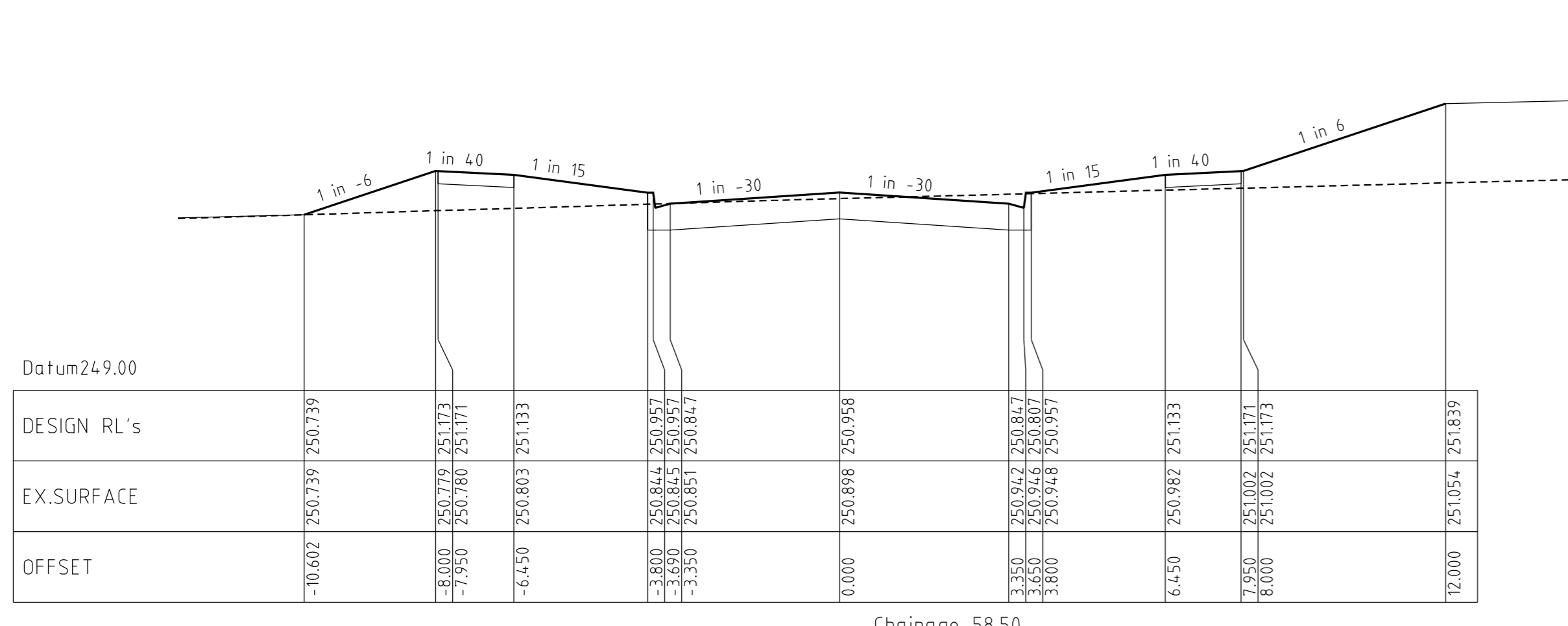
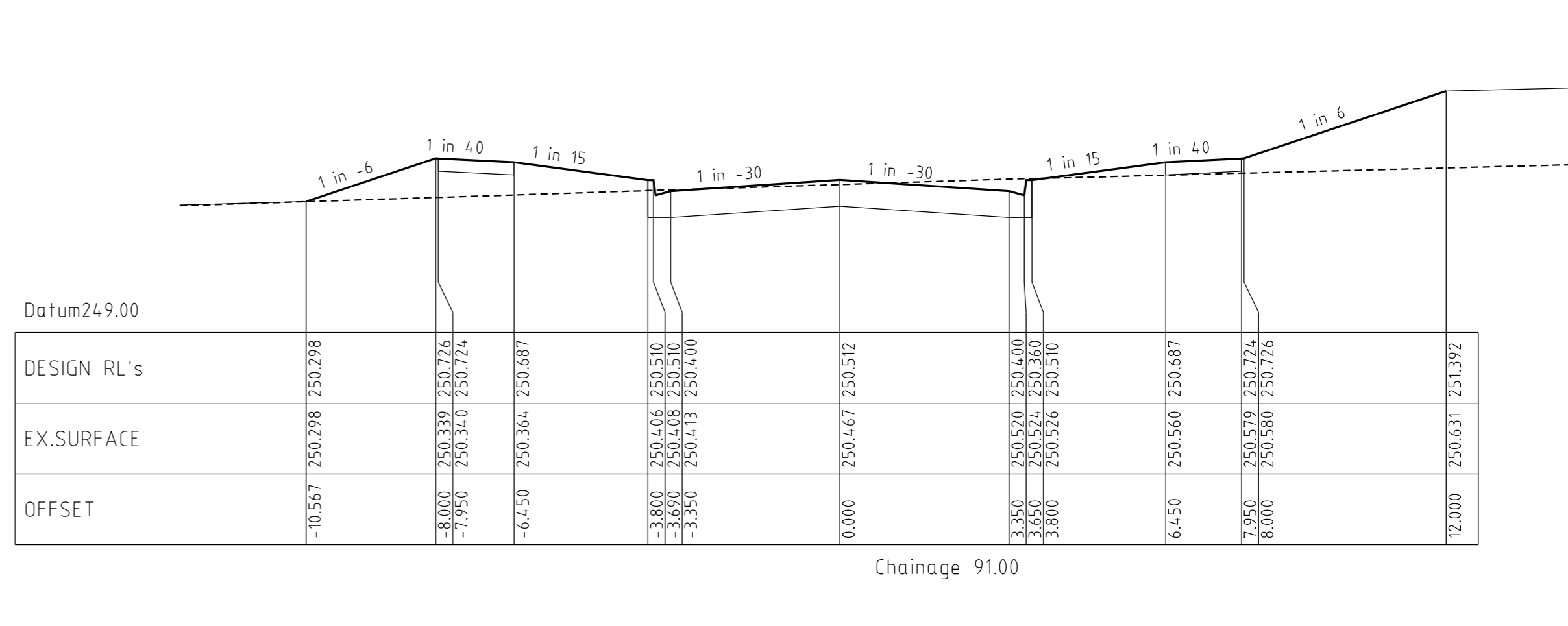
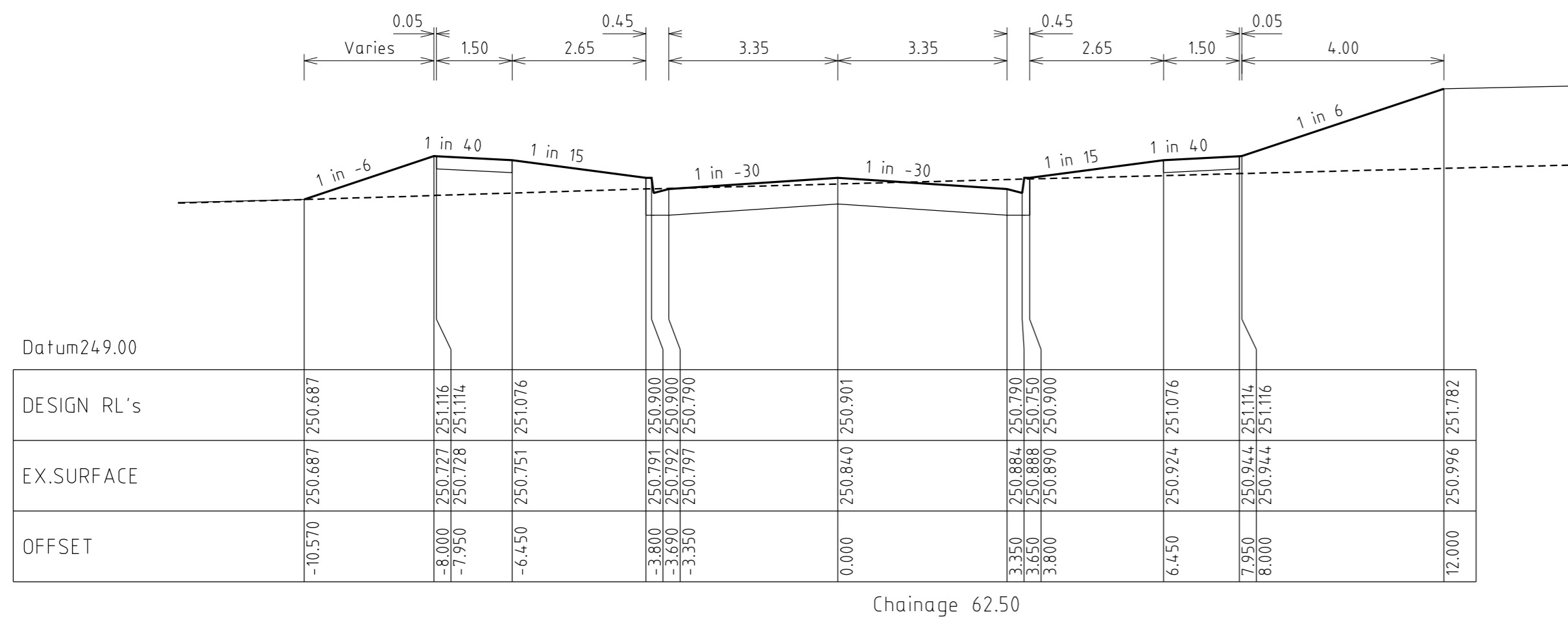
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| 19/02/13 | F AS CONSTRUCTED | ASC | DATUM: | AHD |
| 30/11/12 | E PAVEMENT MAKEUP AMENDMENTS | ASC | PROJECT No.: | 36182_2A |
| 16/11/12 | D DRAINAGE LINE 29 AMENDMENTS | ASC | DRAWN: | Z.W.L DATE: MAR 2012 |
| 5/09/12 | C LOT 218 CROSSOVER RELOCATION | ASC | DESIGNED: | Z.W.L DATE: MAR 2012 |
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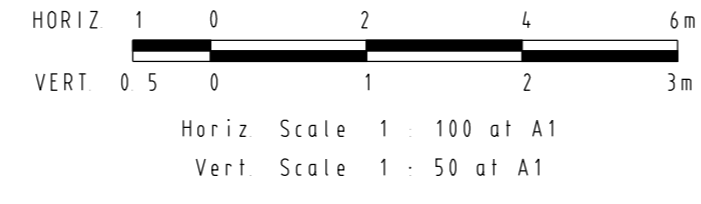
MORNINGTON
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|---|--|-----------------|
| VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 2A MICKLEHAM ROAD AND DRAINAGE PLANS | | 36182/2A R09 |
| CELESTE STREET LONGITUDINAL & CROSS SECTIONS | | REVISION G |
| | | SHEET 9 OF 15 |



**CELESTE STREET
CROSS SECTIONS**



| REVISIONS | | | SCALE: |
|---|--------------------------------|------------|----------------------------------|
| DATE | DETAILS | AUTHORISED | AS SHOWN |
| 28/02/14 | G DRAINAGE PIT NAME AMENDMENT | ASC | DATE PRINTED: 28/02/2014 |
| 19/02/13 | F AS CONSTRUCTED | ASC | LEVEL DATA: K:\36182\36182\LT0P0 |
| 30/11/12 | E PAVEMENT MAKEUP AMENDMENTS | ASC | DATUM: AHD |
| 16/11/12 | D DRAINAGE LINE 29 AMENDMENTS | ASC | PROJECT No.: 36182_2A |
| 5/09/12 | C LOT 218 CROSSOVER RELOCATION | ASC | DRAWN: Z.W.L DATE: MAR 2012 |
| FILENAME: k:\36182\36182_2a\dgn\r10.dgn | | | DESIGNED: Z.W.L DATE: MAR 2012 |
| | | | AUTHORISED: A.S.C DATE: MAR 2012 |

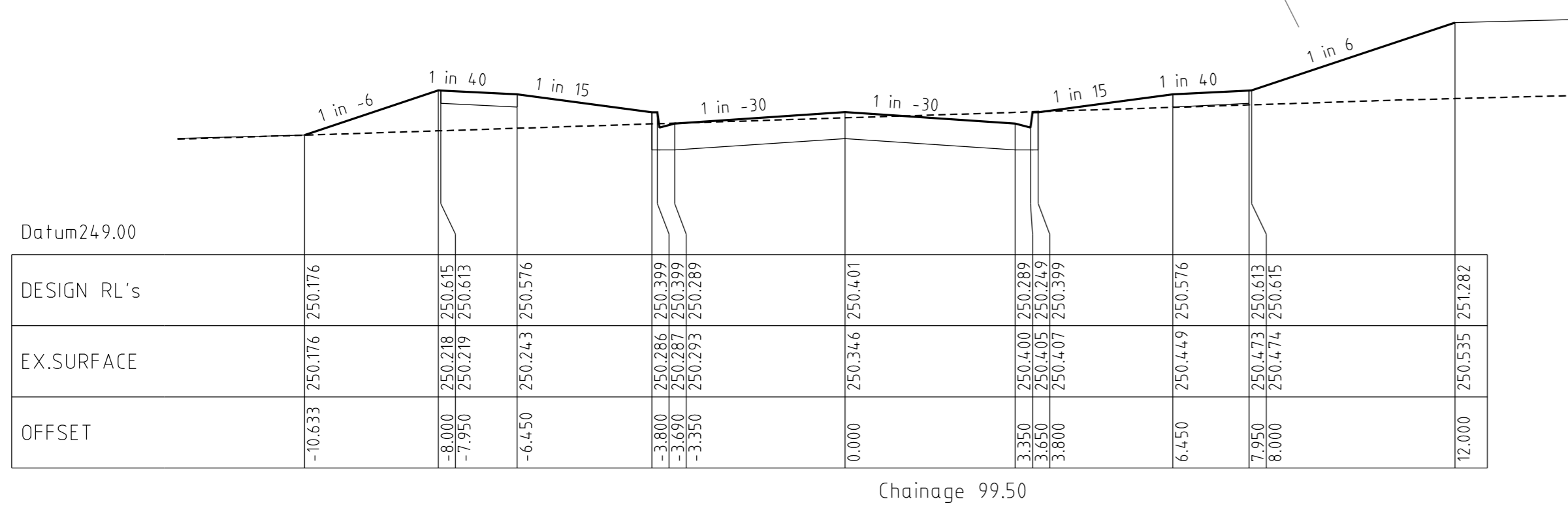
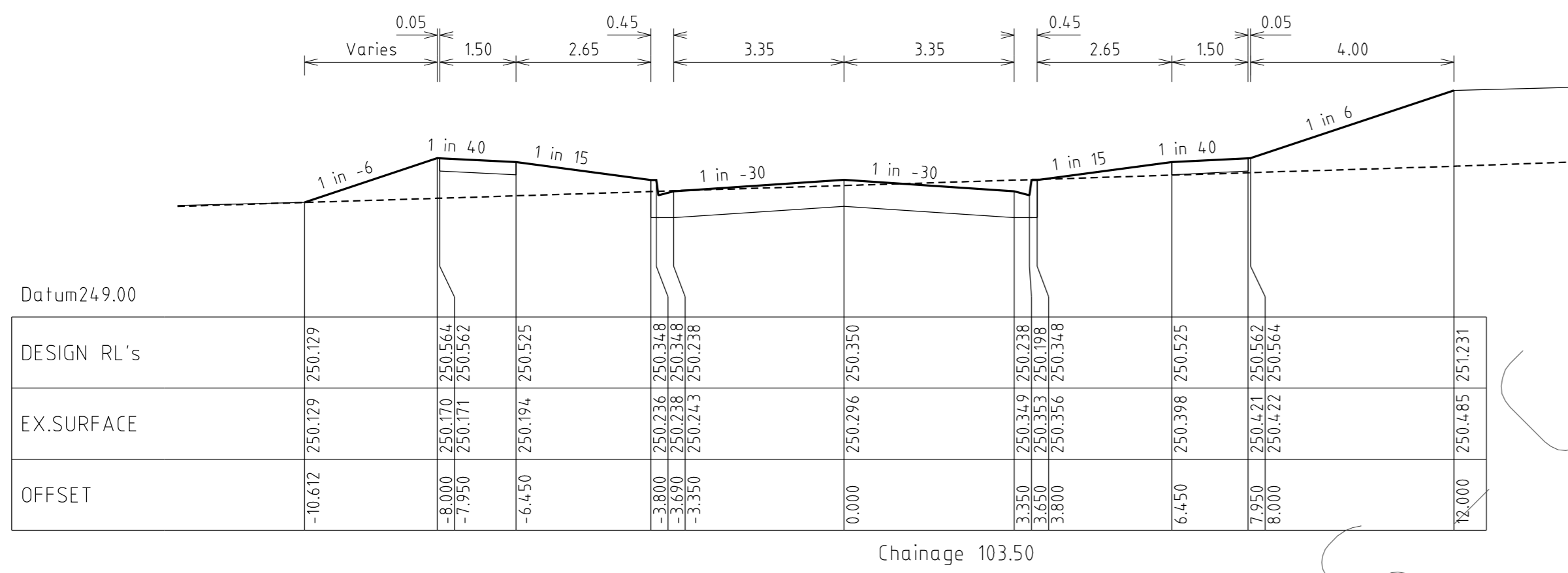


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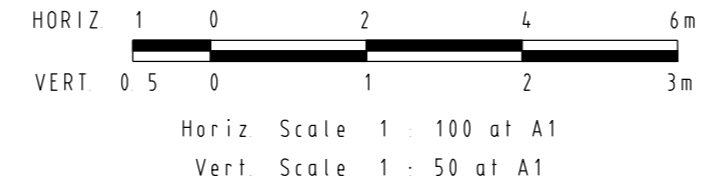
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|---|--|-------------------|
| HUME CITY COUNCIL | | PLAN NUMBER |
| VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 2A MICKLEHAM ROAD AND DRAINAGE PLANS | | 36182/2A R10 |
| CELESTE STREET CROSS SECTIONS | | REVISION G |
| | | SHEET 10 OF 15 |

AS CONSTRUCTED



**CELESTE STREET
CROSS SECTIONS**



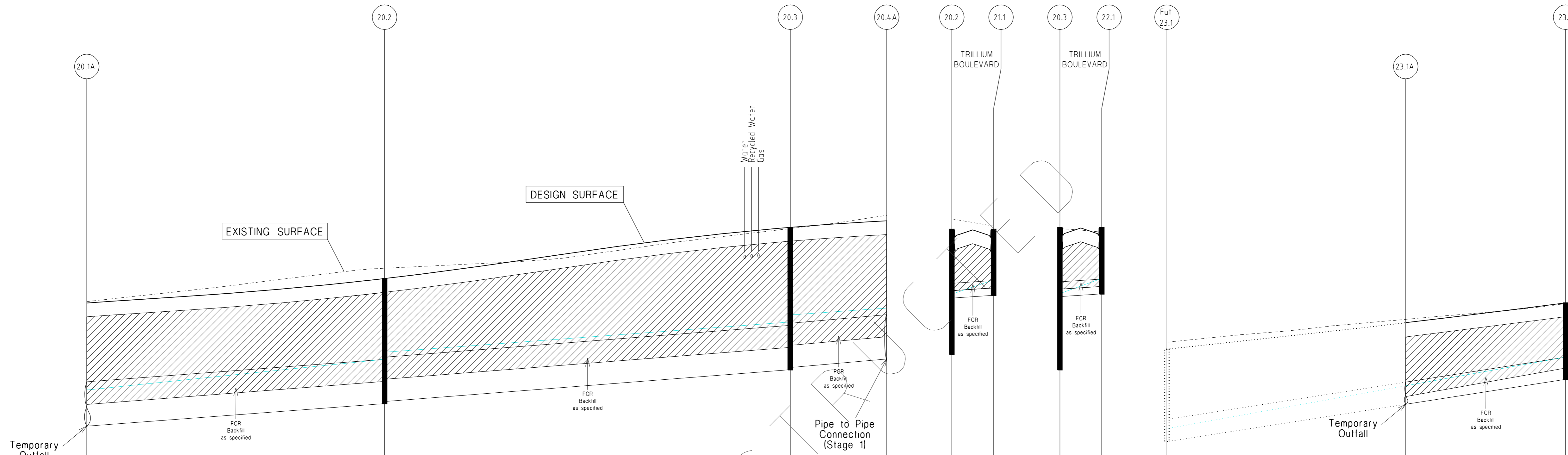
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| 28/02/14 | G DRAINAGE PIT NAME AMENDMENT | ASC | LEVEL DATA: | K:\36182\36182\LTPOD |
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| 16/11/12 | D DRAINAGE LINE 29 AMENDMENTS | ASC | DRAWN: | Z.W.L. DATE: MAR 2012 |
| 5/09/12 | C LOT 218 CROSSOVER RELOCATION | ASC | DESIGNED: | Z.W.L. DATE: MAR 2012 |
| FILENAME k:\36182\36182_2a\dgn\11.dgn | | | AUTHORISED: | A.S.C. DATE: MAR 2012 |



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|---|--|-------------------|
| HUME CITY COUNCIL | | PLAN NUMBER |
| VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 2A MICKLEHAM ROAD AND DRAINAGE PLANS | | 36182/2A R 11 |
| CELESTE STREET CROSS SECTIONS | | REVISION G |
| | | SHEET 11 OF 15 |



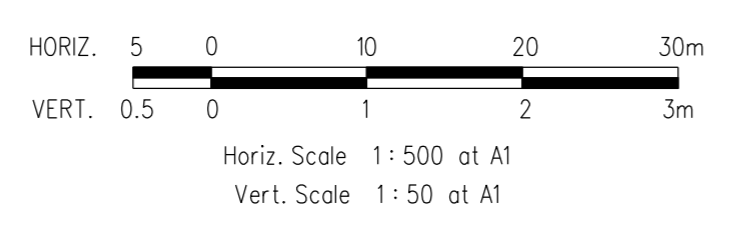
CAPACITY (m3/s)
 FLOW (m3/s)
 VELOCITY (m/s)
 PIPE SIZE (mm)
 GRADE
 Datum R.L.

| | | | | | | | |
|------------|----------|----------|----------|------------------|------------------|-----------|-----------|
| | 1.562 | 1.596 | 1.687 | 0.074 | 0.074 | 0.354 | 0.354 |
| | 1.554 | 1.552 | 1.507 | 0.015 | 0.010 | 0.232 | 0.232 |
| | 2.798 | 2.858 | 2.997 | 0.828 | 0.725 | 2.374 | 2.374 |
| | 900RCP | 900RCP | 900RCP | 300RCP (Class 4) | 300RCP (Class 4) | 450RCP | 450RCP |
| | 1 in 134 | 1 in 129 | 1 in 115 | 1 in 170 | 1 in 170 | 1 in 64.8 | 1 in 64.8 |
| Datum R.L. | 244.000 | | | 243.000 | 244.000 | 243.000 | |

| | | | | | | | | |
|-------------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| DEPTH TO INVERT | 2.496 | 2.545 | 2.893 | 2.843 | 2.806 | 1.871 | 1.658 | 1.559 |
| H.G.L. LEVELS | 248.950 | 250.300 | 251.057 | 251.209 | 251.344 | 247.640 | 248.766 | 249.340 |
| INVERT LEVELS | 248.950 | 249.400 | 250.090 | 250.140 | 250.310 | 247.640 | 248.390 | 248.890 |
| FINISHED SURFACE LEVELS | 251.446 | 251.945 | 252.983 | 253.116 | 253.116 | 249.511 | 250.048 | 250.449 |
| CHAINAGE | 0.000 | 60.500 | 142.900 | 162.500 | 162.500 | 0.000 | 48.500 | 81.000 |

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

DRAINAGE LONGITUDINAL SECTIONS



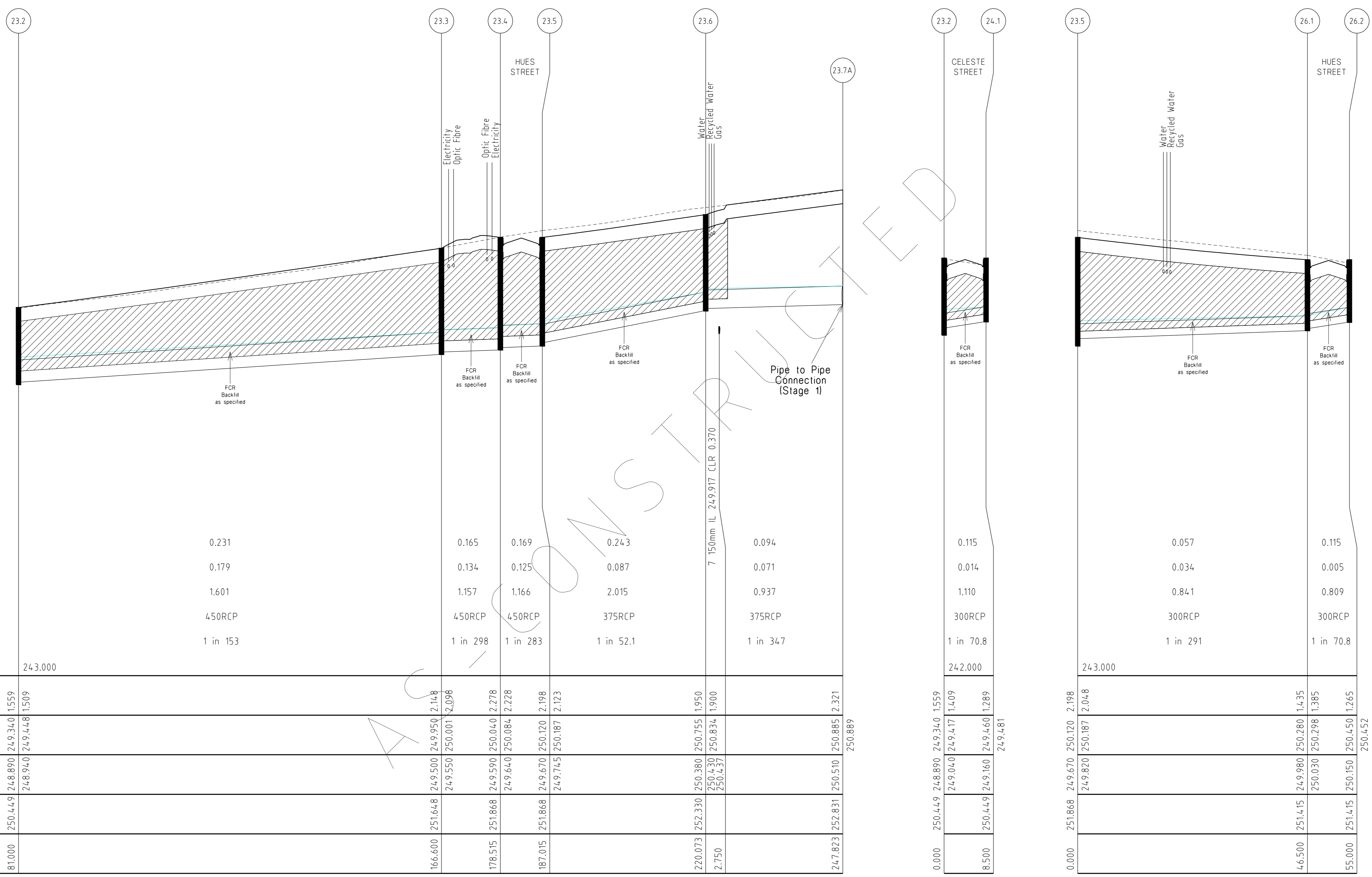
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| DATE | DETAILS | AUTHORISED | DATE PRINTED: | 28/02/2014 |
| 28/02/14 | G DRAINAGE PIT NAME AMENDMENT | ASC | LEVEL DATA: | K:\36182\36182\LT00 |
| 19/02/13 | F AS CONSTRUCTED | ASC | DATUM: | AHD |
| 30/11/12 | E PAVEMENT MAKEUP AMENDMENTS | ASC | PROJECT No.: | 36182_2A |
| 16/11/12 | D DRAINAGE LINE 29 AMENDMENTS | ASC | DRAWN: | Z.W.L. DATE: MAR 2012 |
| 5/09/12 | C LOT 218 CROSSOVER RELOCATION | ASC | DESIGNED: | Z.W.L. DATE: MAR 2012 |
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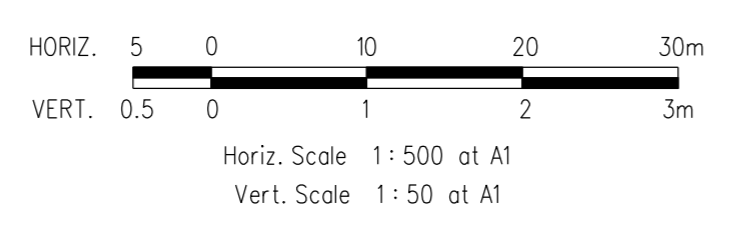
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| HUME CITY COUNCIL | | PLAN NUMBER |
| VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 2A MICKLEHAM ROAD AND DRAINAGE PLANS | | 36182/2A R 12 |
| DRAINAGE LONGITUDINAL SECTIONS | | REVISION G |
| | | SHEET 12 OF 15 |



| | | | | | | | | | |
|------------------------------|---------|----------|----------|----------|-----------|---------|-----------|----------|-----------|
| CAPACITY (m ³ /s) | | 0.231 | 0.165 | 0.169 | 0.243 | | 0.115 | 0.057 | 0.115 |
| FLOW (m ³ /s) | | 0.179 | 0.134 | 0.125 | 0.087 | | 0.014 | 0.034 | 0.005 |
| VELOCITY (m/s) | | 1.601 | 1.157 | 1.166 | 2.015 | | 1.110 | 0.841 | 0.809 |
| PIPE SIZE (mm) | | 450RCP | 450RCP | 450RCP | 375RCP | | 300RCP | 300RCP | 300RCP |
| GRADE | | 1 in 153 | 1 in 298 | 1 in 283 | 1 in 52.1 | | 1 in 70.8 | 1 in 291 | 1 in 70.8 |
| Datum R.L. | 243.000 | | | | | | 242.000 | 243.000 | |
| DEPTH TO INVERT | 81.000 | 250.449 | 248.890 | 249.340 | 1.559 | | | | |
| H.G.L. LEVELS | | 248.940 | 249.448 | 250.001 | 2.098 | | | | |
| INVERT LEVELS | | 249.500 | 249.950 | 2.148 | | | | | |
| FINISHED SURFACE LEVELS | | 251.648 | 249.590 | 250.040 | 2.278 | | | | |
| CHAINAGE | | 166.600 | 178.515 | 187.015 | 250.084 | 2.228 | 220.073 | 252.330 | 250.380 |
| | | | | | 249.670 | 250.120 | 2.198 | 250.130 | 250.755 |
| | | | | | 249.745 | 250.187 | 2.123 | 250.437 | 250.834 |
| | | | | | | | | 250.437 | 1.900 |
| | | | | | | | | 250.510 | 250.885 |
| | | | | | | | | 250.831 | 2.321 |
| | | | | | | | | | 250.889 |

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

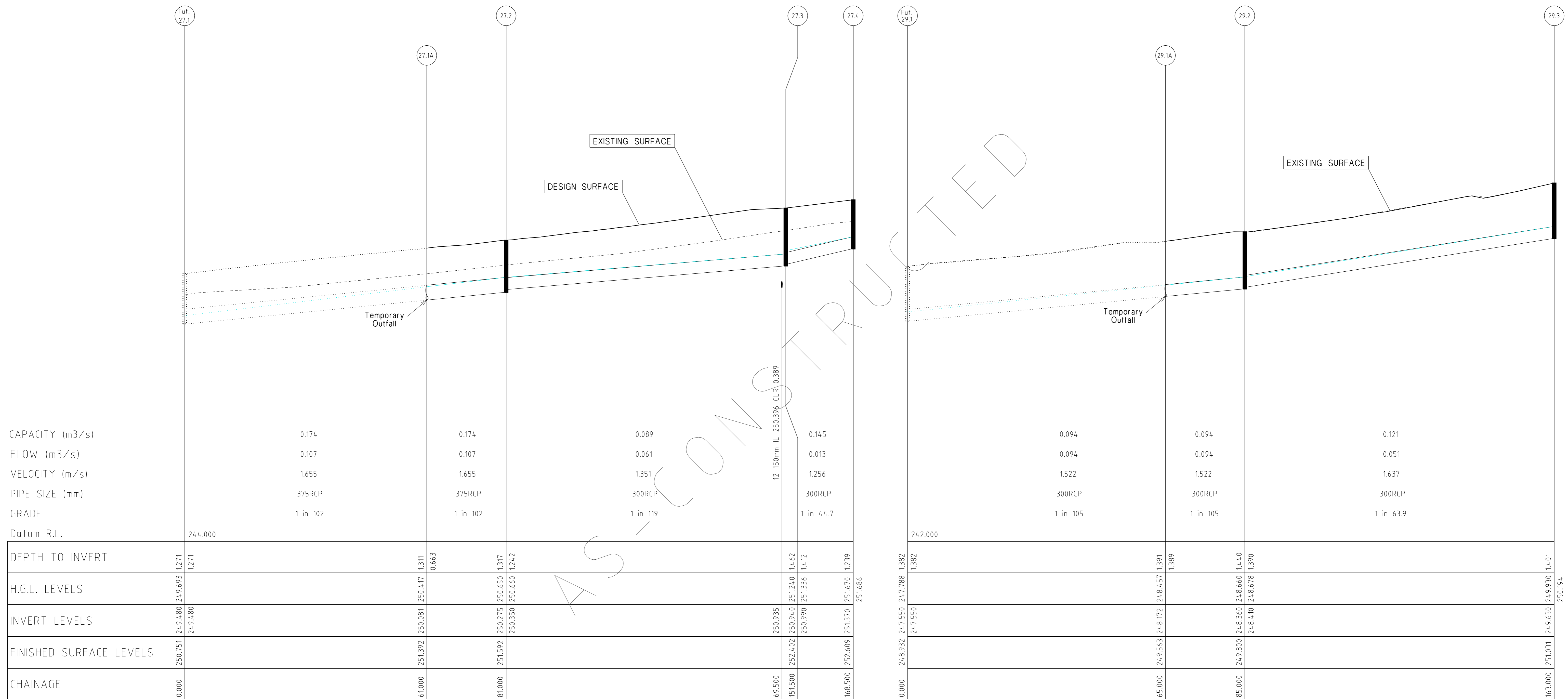
DRAINAGE LONGITUDINAL SECTIONS



| REVISIONS | | | | SCALE: | AS SHOWN |
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| DATE | DETAILS | AUTHORISED | | DATE PRINTED: | 28/02/2014 |
| 28/02/14 | G DRAINAGE PIT NAME AMENDMENT | ASC | | LEVEL DATA: | K:\36182\36182\LT0P0 |
| 19/02/13 | F AS CONSTRUCTED | ASC | | DATUM: | AHD |
| 08/11/12 | E PAVEMENT MAKEUP AMENDMENTS | ASC | | PROJECT No.: | 36182_2A |
| 16/11/12 | D DRAINAGE LINE 29 AMENDMENTS | ASC | | DRAWN: | Z.W.L DATE: MAR 2012 |
| 5/09/12 | C LOT 218 CROSSOVER RELOCATION | ASC | | DESIGNED: | Z.W.L DATE: MAR 2012 |
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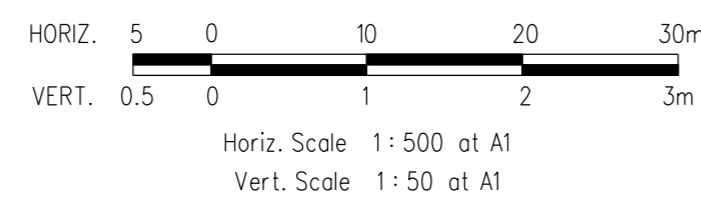
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Mornington: 6 Plain Street, P.O. Box 171, 3931. Phone: (03) 5975 4644. Fax: (03) 5975 3916.

| | | |
|---|--|-------------------|
| HUME CITY COUNCIL | | PLAN NUMBER |
| VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 2A MICKLEHAM ROAD AND DRAINAGE PLANS | | 36182/2A R13 |
| DRAINAGE LONGITUDINAL SECTIONS | | REVISION G |
| | | SHEET 13 OF 15 |

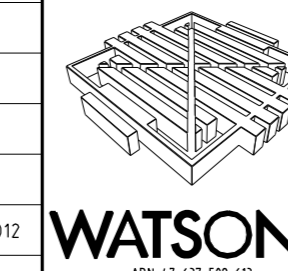


DRAINAGE LONGITUDINAL SECTIONS

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



| REVISIONS | | | SCALE: |
|--|--------------------------------|------------|-----------------------------------|
| DATE | DETAILS | AUTHORISED | AS SHOWN |
| 28/02/14 | G DRAINAGE PIT NAME AMENDMENT | ASC | DATE PRINTED: 28/02/2014 |
| 19/02/13 | F AS CONSTRUCTED | ASC | LEVEL DATA: K:\36182\36182\LTPOD |
| 08/11/12 | E PAVEMENT MAKEUP AMENDMENTS | ASC | DATUM: AHD |
| 16/11/12 | D DRAINAGE LINE 29 AMENDMENTS | ASC | PROJECT No.: 36182_2A |
| 5/09/12 | C LOT 218 CROSSOVER RELOCATION | ASC | DRAWN: Z.W.L. DATE: MAR 2012 |
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| | | | AUTHORISED: A.S.C. DATE: MAR 2012 |



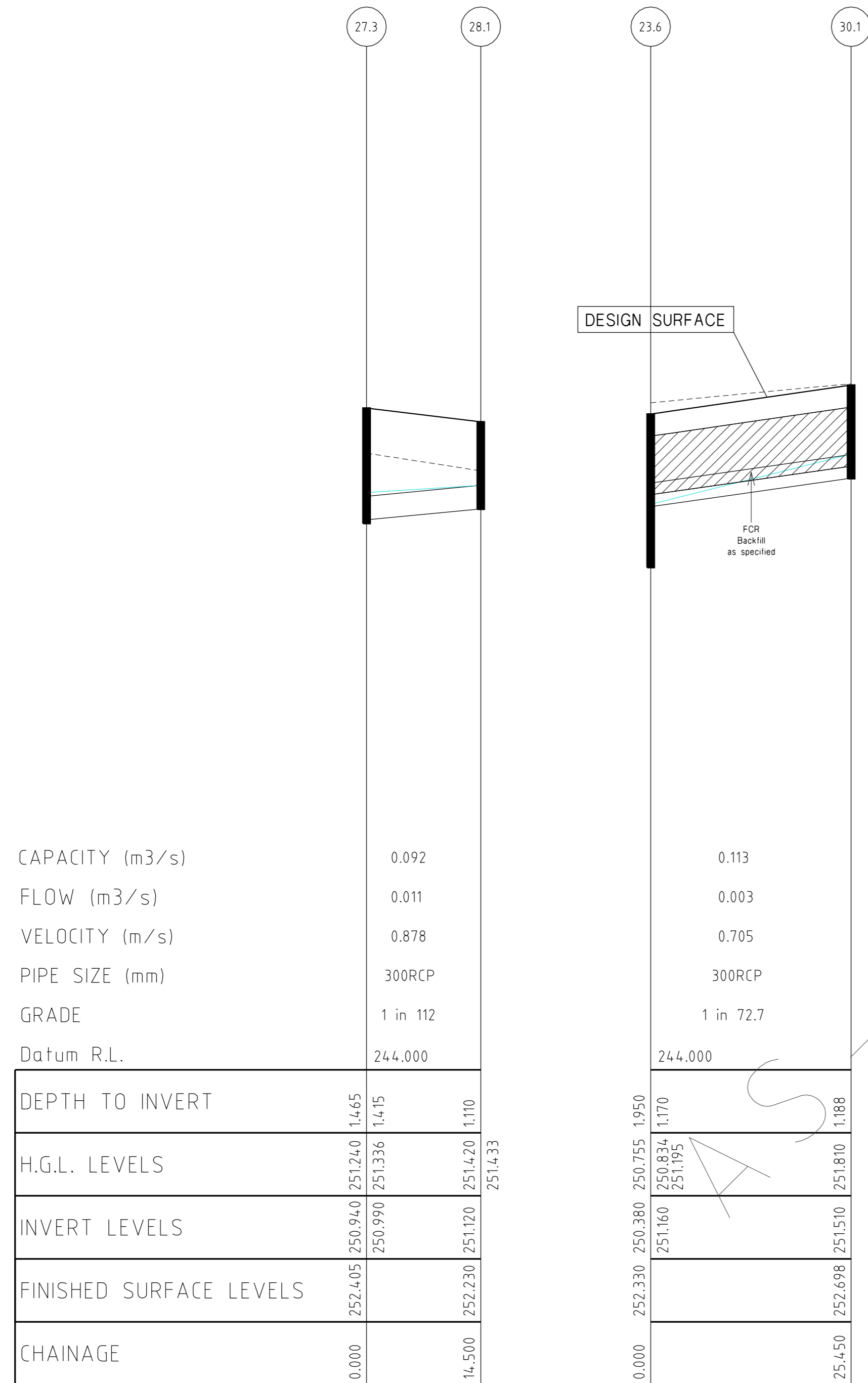
MORNINGTON
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|---|--|-------------------|
| HUME CITY COUNCIL | | PLAN NUMBER |
| VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 2A MICKLEHAM ROAD AND DRAINAGE PLANS | | 36182/2A R 14 |
| DRAINAGE LONGITUDINAL SECTIONS & PIT SCHEDULES | | REVISION G |
| | | SHEET 14 OF 15 |

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 |
|-----------|----------|---------------------|----------|-----------|------------|------------|-------------|-------------|-------------|-----------------|---------------------------------|
| 20.4A | PC | - | 3923.772 | 10171.332 | | | 900 | 250.31 | 253.116 | 2.806 | Pipe to Pipe Connection |
| 20.3 | SEP | 900 x 1050 | 3921.167 | 10151.906 | 900 | 250.14 | 900 | 250.09 | 252.983 | 2.893 | GAA012: SD275(CIRCULAR PIT LID) |
| | | | | | 300 | 251.58 | | | 252.983 | 2.893 | Line 22 Enters |
| 20.2 | SEP | 900 x 1050 | 3910.218 | 10070.236 | 900 | 249.45 | 900 | 249.4 | 251.945 | 2.545 | GAA012: SD275(CIRCULAR PIT LID) |
| | | | | | 300 | 250.55 | | | 251.945 | 2.545 | Line 21 Enters |
| 20.1A | OUTFALL | - | 3902.178 | 10010.273 | 900 | 248.95 | | | 251.446 | 2.496 | Temporary Outlet |
| 21.1 | SEP | 900 x 600 | 3918.642 | 10069.107 | | | 300 | 250.6 | 251.945 | 1.345 | GAA012: SD275(CIRCULAR PIT LID) |
| 22.1 | SEP | 900 x 600 | 3929.591 | 10150.776 | | | 300 | 251.63 | 252.983 | 1.353 | GAA012: SD275(CIRCULAR PIT LID) |
| 23.7 | PC | 900 x 600 | 3966.638 | 10165.584 | | | 375 | 250.51 | 252.837 | 2.327 | Pipe to Pipe Connection |
| 23.6 | JP | 900 x 600 | 3962.95 | 10138.081 | 375 | 250.43 | 375 | 250.38 | 252.33 | 1.95 | GAA014: SD275(CIRCULAR PIT LID) |
| | | | | | 300 | 251.16 | | | 252.33 | 1.95 | Line 30 Enters |
| 23.5 | SEP | 900 x 600 | 3995.715 | 10133.688 | 375 | 249.745 | 450 | 249.67 | 251.868 | 2.198 | GAA012: SD275(CIRCULAR PIT LID) |
| | | | | | 300 | 249.82 | | | 251.868 | 2.198 | Line 26 Enters |
| 23.4 | SEP | 900 x 600 | 3994.586 | 10125.263 | 450 | 249.64 | 450 | 249.59 | 251.868 | 2.278 | GAA012: SD275(CIRCULAR PIT LID) |
| 23.3 | SEP | 900 x 600 | 4002.118 | 10116.03 | 450 | 249.55 | 450 | 249.5 | 251.648 | 2.148 | GAA012: SD275(CIRCULAR PIT LID) |
| 23.2 | SEP | 900 x 600 | 3990.743 | 10031.189 | 450 | 248.94 | 450 | 248.89 | 250.449 | 1.559 | GAA012: SD275(CIRCULAR PIT LID) |
| | | | | | 300 | 249.04 | | | 250.449 | 1.559 | Line 24 Enters |
| 23.1A | OUTFALL | - | 3986.424 | 9998.978 | 450 | 248.390 | | | 250.048 | 1.658 | Temporary Outlet |
| Fut. 23.1 | SEP | 900 x 600 | 3979.979 | 9950.908 | 450 | 247.64 | | | 249.511 | 1.871 | Future Pit |
| 24.1 | SEP | 900 x 600 | 3999.167 | 10030.06 | | | 300 | 249.16 | 250.449 | 1.289 | GAA012: SD275(CIRCULAR PIT LID) |
| 26.2 | SEP | 900 x 600 | 4040.673 | 10119.084 | | | 300 | 250.15 | 251.415 | 1.265 | GAA012: SD275(CIRCULAR PIT LID) |
| 26.1 | SEP | 900 x 600 | 4041.803 | 10127.508 | 300 | 250.03 | 300 | 249.98 | 251.415 | 1.435 | GAA012: SD275(CIRCULAR PIT LID) |
| 27.4 | JP | 900 x 600 | 3947.461 | 10101.565 | | | 300 | 251.37 | 252.609 | 1.239 | GAA014: SD275(CIRCULAR PIT LID) |
| 27.3 | JP | 900 x 600 | 3964.31 | 10099.306 | 300 | 250.99 | 300 | 250.94 | 252.402 | 1.462 | GAA014: SD275(CIRCULAR PIT LID) |
| | | | | | 300 | 250.99 | | | 252.402 | 1.462 | Line 28 Enters |
| 27.2 | JP | 900 x 600 | 3954.941 | 10029.431 | 300 | 250.35 | 375 | 250.275 | 251.592 | 1.317 | GAA014: SD275(CIRCULAR PIT LID) |
| 27.1A | OUTFALL | - | 3952.284 | 10009.609 | 375 | 250.081 | | | 251.392 | 1.311 | Temporary Outlet |
| Fut. 27.1 | JP | 900 x 600 | 3944.178 | 9949.15 | 375 | 249.48 | | | 250.751 | 1.271 | Future Pit |
| 28.1 | JP | 900 x 600 | 3978.681 | 10097.379 | | | 300 | 251.12 | 252.226 | 1.106 | GAA014: SD275(CIRCULAR PIT LID) |
| 29.3 | JP | 900 x 600 | 4042.651 | 10100.405 | | | 300 | 249.63 | 251.031 | 1.401 | GAA014: SD275(CIRCULAR PIT LID) |
| 29.2 | JP | 900 x 600 | 4032.286 | 10023.097 | 300 | 248.41 | 300 | 248.36 | 249.8 | 1.44 | GAA014: SD275(CIRCULAR PIT LID) |
| 29.1A | OUTFALL | - | 4029.628 | 1003.275 | 300 | 248.172 | | | 249.563 | 1.391 | Temporary Outlet |
| Fut. 29.1 | JP | 900 x 600 | 4020.99 | 9938.851 | 300 | 247.55 | | | 248.932 | 1.382 | Future Pit |
| 30.1 | SEP | 900 x 600 | 3937.726 | 10141.462 | | | 300 | 251.51 | 252.698 | 1.188 | GAA012: SD275(CIRCULAR PIT LID) |



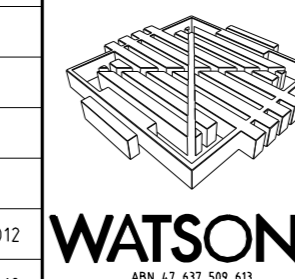
| | 27.3 | 28.1 |
|-------------------------|----------|---------|
| CAPACITY (m3/s) | 0.092 | |
| FLOW (m3/s) | 0.011 | |
| VELOCITY (m/s) | 0.878 | |
| PIPE SIZE (mm) | 300RCP | |
| GRADE | 1 in 112 | |
| Datum R.L. | 244.000 | |
| DEPTH TO INVERT | 1.465 | 1.110 |
| H.G.L. LEVELS | 251.210 | 251.420 |
| INVERT LEVELS | 250.940 | 251.120 |
| FINISHED SURFACE LEVELS | 252.405 | 252.230 |
| CHAINAGE | 0.000 | 14.500 |

| | 23.6 | 30.1 |
|-------------------------|-----------|---------|
| CAPACITY (m3/s) | 0.113 | |
| FLOW (m3/s) | 0.003 | |
| VELOCITY (m/s) | 0.705 | |
| PIPE SIZE (mm) | 300RCP | |
| GRADE | 1 in 72.7 | |
| Datum R.L. | 244.000 | |
| DEPTH TO INVERT | 1.170 | 1.188 |
| H.G.L. LEVELS | 250.834 | 251.810 |
| INVERT LEVELS | 250.990 | 251.510 |
| FINISHED SURFACE LEVELS | 252.330 | 252.698 |
| CHAINAGE | 0.000 | 25.450 |

NOTE:

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

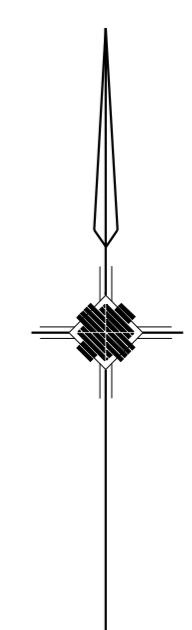
| REVISIONS | | | SCALE: | AS SHOWN |
|---|--------------------------------|------------|---------------|----------------------|
| DATE | DETAILS | AUTHORISED | DATE PRINTED: | 28/02/2014 |
| 28/02/14 | G DRAINAGE PIT NAME AMENDMENT | ASC | LEVEL DATA: | K:\36182\36182\LT0P0 |
| 19/02/13 | F AS CONSTRUCTED | ASC | DATUM: | AHD |
| 00/11/12 | E PAVEMENT MAKEUP AMENDMENTS | ASC | PROJECT No.: | 36182_2A |
| 16/11/12 | D DRAINAGE LINE 29 AMENDMENTS | ASC | DRAWN: | Z.W.L DATE: MAR 2012 |
| 5/09/12 | C LOT 218 CROSSOVER RELOCATION | ASC | DESIGNED: | Z.W.L DATE: MAR 2012 |
| FILENAME k:\36182\36182_2a\dgn\r14a.dgn | | | AUTHORISED: | A.S.C DATE: MAR 2012 |



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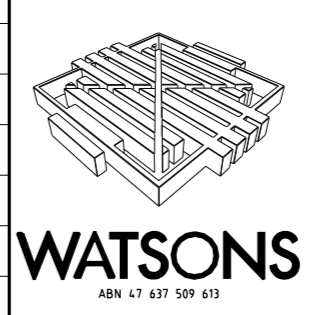
| HUME CITY COUNCIL | | PLAN NUMBER |
|---|--|------------------|
| VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 2A MICKLEHAM ROAD AND DRAINAGE PLANS | | 36182/2A R14A |
| DRAINAGE LONGITUDINAL SECTIONS & PIT SCHEDULES | | REVISION G |
| | | SHEET 14A OF 15 |



LINEMARKING PLAN
 Scale 1:500 at A1

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

| REVISIONS | | | SCALE: | AS SHOWN |
|---|--------------------------------|------------|---------------|-----------------------|
| DATE | DETAILS | AUTHORISED | DATE PRINTED: | 28/02/2014 |
| 28/02/14 | G DRAINAGE PIT NAME AMENDMENT | ASC | LEVEL DATA: | K:\36182\36182\LT00 |
| 19/02/13 | F AS CONSTRUCTED | ASC | DATUM: | AHD |
| 08/11/12 | E PAVEMENT MAKEUP AMENDMENTS | ASC | PROJECT No.: | 36182_2A |
| 16/11/12 | D DRAINAGE LINE 29 AMENDMENTS | ASC | DRAWN: | Z.W.L. DATE: MAR 2012 |
| 5/09/12 | C LOT 218 CROSSOVER RELOCATION | ASC | DESIGNED: | Z.W.L. DATE: MAR 2012 |
| FILENAME: k:\36182\36182_2a\dgn\r15.dgn | | | AUTHORISED: | A.S.C. DATE: MAR 2012 |



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| | | |
|---|--|-------------------|
| HUME CITY COUNCIL | | PLAN NUMBER |
| VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 2A MICKLEHAM ROAD AND DRAINAGE PLANS | | 36182/2A R15 |
| LINEMARKING & SIGNAGE PLAN | | REVISION G |
| | | SHEET 15 OF 15 |