



| ACCESS CHAMBER | EASTING | NORTHING | COVER LEVEL | DIAMETER | COVER CLASS | MANHOLE TYPE |
|----------------|----------|----------|-------------|----------|-------------|------------------|
| Ex.WAT1-4 | 3962.422 | 9493.106 | 244.831 | - | - | - |
| WAT1-3 | 3958.101 | 9461.478 | 244.765 | 1050 | B | CONICAL |
| WAT1-2GC | 3954.85 | 9437.68 | 244.858 | 1200 | B | CONICAL |
| Ex.GRL29 | 4067.658 | 9422.818 | 243.226 | - | - | - |
| | | | | | | |
| Fut.WAT1-19S | 3650.776 | 9866.473 | 251.103 | - | - | - |
| WAT1-18 | 3648.517 | 9849.623 | 250.813 | 1050 | B | TRUNCATED TYPE A |
| WAT1-17P | 3720.126 | 9840.022 | 250.229 | - | - | - |
| Ex.WAT1-16MS | 3758.285 | 9834.906 | 250.056 | - | - | - |
| | | | | | | |
| WAT4-5S | 3673.736 | 9708.016 | 249.094 | - | B | - |
| WAT4-4P | 3682.161 | 9706.887 | 249.021 | - | - | - |
| Ex.WAT4-3 | 3713.877 | 9702.635 | 248.589 | - | - | - |
| | | | | | | |
| Fut.WAT6-5S | 3645.796 | 9796.514 | 250.108 | - | - | - |
| WAT6-4 | 3644.334 | 9785.612 | 250.015 | 1050 | B | TRUNCATED TYPE A |
| WAT6-3P | 3702.811 | 9777.771 | 249.544 | - | - | - |
| Ex.WAT6-2MS | 3717.678 | 9775.778 | 249.428 | - | - | - |
| | | | | | | |
| Fut.WAT18-5 | 3652.093 | 9972.236 | 252.117 | - | - | - |
| WAT18-4 | 3647.575 | 9938.537 | 251.743 | 1050 | B | CONICAL |
| WAT18-3 | 3716.956 | 9929.235 | 251.657 | 1050 | B | CONICAL |
| WAT18-2P | 3797.733 | 9918.405 | 251.550 | - | - | - |
| Ex.WAT18-2MS | 3797.733 | 9918.405 | 251.302 | - | - | - |
| | | | | | | |
| Fut.WAT10-1S | 3642.474 | 9771.736 | 249.896 | - | - | - |
| | | | | | | |
| Fut.WAT11-1S | 3647.454 | 9841.694 | 250.676 | - | - | - |
| | | | | | | |
| Fut.WAT12-1 | 3645.449 | 9922.679 | 251.538 | - | - | - |

1. xy setout to pit centre
2. setout level to pit cover level



WATSONS
URBAN DEVELOPMENT
CONSULTANTS & MANAGERS
APN 17, 627, 500, 612

YARRA VALLEY WATER
HUME CITY COUNCIL
SEWER RETIC. EXTN. No. 09/935
TRILLIUM ESTATE - STAGE 7B
LOCALITY PLAN

SCALE AS SHOWN
PLOTTED: 15/05/2014
SHEET 1 OF 6
DRAWING No.
09/935/S01

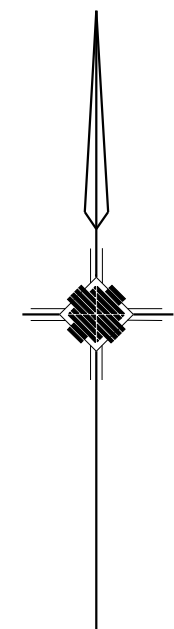
WARNING
OVERHEAD ELECTRICITY



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



DETAIL PLAN

5 0 10 20 30m
Scale 1:500 at A1



SYMBOLS AND GENERAL NOTES

- | | | | | |
|-------------------------------|---|-------------------------------|-------|------------------|
| EX. SEW. 225mm DIAM & UNDER | ● | ACCESS CHAMBER CIRCULAR | Sq/Ju | SQUARE JUNCTION |
| EX. SEW. 300mm DIAM & OVER | ○ | ACCESS CHAMBER GAS CHECK | Ob | OBLIQUE JUNCTION |
| PROP. SEW. 225mm DIAM & UNDER | — | ACCESS CHAMBER FLAT TOP | —W | WATER MAINS |
| PROP. SEW. 300mm DIAM & OVER | — | DROP IN ACCESS CHAMBER | —G | GAS MAINS |
| IS/TMS/PMS | — | LADDER IN ACCESS CHAMBER | —E | ELECT. CABLES |
| END OF PIPE | — | Lg. LANDING IN ACCESS CHAMBER | —T | TPHONE CABLES |

REGARDING THE ACCURACY OF POSITIONS OF UNDERGROUND
AND OVERHEAD STRUCTURES AND SERVICES SEE SPECIFICATIONS

| | |
|------------|--------|
| DESIGNED | Z.W.L. |
| CHECKED | A.S.C. |
| AUTHORISED | A.S.C. |

| | |
|-----------------------------------|----------|
| PLAN REFERENCE | 36182/7B |
| MELWAY REFERENCE | 386 A1 |
| YARRA VALLEY WATER FILE No. | 09/935 |



MORNINGTON
5 Main Street,
Phone(03) 5975 4644
Fax(03) 5975 3916

• TOWN PLANNERS
• CIVIL ENGINEERS
• SURVEYORS
• Project Managers
• Urban Designers
• Structural Engineers

YARRA VALLEY WATER
HUME CITY COUNCIL
SEWER RETIC. EXTN. No. 09/935
TRILLIUM ESTATE - STAGE 7B
DETAIL PLAN 1

| | |
|---------------------|--|
| SCALE AS SHOWN | |
| PLOTTED: 15/05/2014 | |
| SHEET 2 OF 6 | |
| DRAWING No. | |
| 09/935/S02 | |

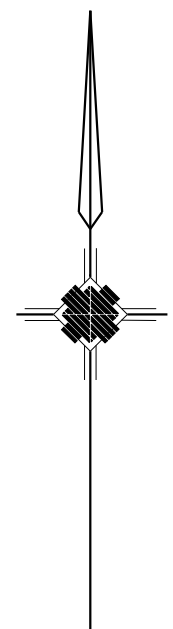
WARNING
OVERHEAD ELECTRICITY



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DETAIL PLAN

5 0 10 20 30m
Scale 1:500 at A1

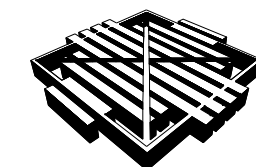


SYMBOLS AND GENERAL NOTES

- | | | |
|-------------------------------|------------------------------|-----------------------|
| EX. SEW. 225mm DIAM & UNDER | ● ACCESS CHAMBER CIRCULAR | Sq/Ju SQUARE JUNCTION |
| EX. SEW. 300mm DIAM & OVER | ○ ACCESS CHAMBER GAS CHECK | Ob OBlique JUNCTION |
| PROP. SEW. 225mm DIAM & UNDER | F ACCESS CHAMBER FLAT TOP | —W— WATER MAINS |
| PROP. SEW. 300mm DIAM & OVER | D DROP IN ACCESS CHAMBER | —G— GAS MAINS |
| IS/TMS/MS | L LADDER IN ACCESS CHAMBER | —E— ELECT. CABLES |
| —E.P. END OF PIPE | Lg LANDING IN ACCESS CHAMBER | —T— TPHONE CABLES |

REGARDING THE ACCURACY OF POSITIONS OF UNDERGROUND AND
OVERHEAD STRUCTURES AND SERVICES SEE SPECIFICATIONS

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| AUTHORISED | A.S.C. | YARRA VALLEY WATER FILE No. | 09/935 |



WATSONS
URBAN DEVELOPMENT
CONSULTANTS & MANAGERS
ABN 47 637 509 613

MORNINGTON
5 Main Street,
Phone(03) 5975 4644
Fax(03) 5975 3816

MELBOURNE
The Melbourne, Suite 2
250 St. Kilda Rd.
Phone(03) 9697 8000
Fax(03) 9697 8099

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- CIVIL ENGINEERS
- SURVEYORS
- Project Managers
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- Structural Engineers

YARRA VALLEY WATER
HUME CITY COUNCIL
SEWER RETIC. EXTN. No. 09/935
TRILLIUM ESTATE - STAGE 7B
DETAIL PLAN 2

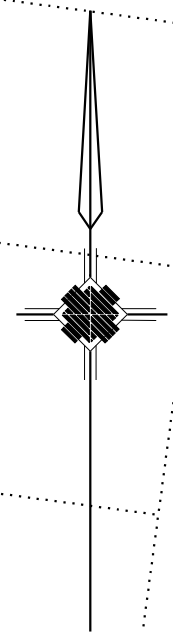
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|---------------------|
| SCALE AS SHOWN |
| PLOTTED: 15/05/2014 |
| SHEET 3 OF 6 |
| DRAWING No. |
| 09/935/S03 |

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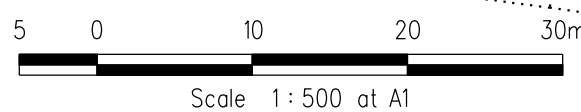
WARNING
OVERHEAD ELECTRICITY

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
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DETAIL PLAN



Ex.WAT1-3MS

Ex.225 PVC

Ex.WAT1-2

Ex.225 PVC

CALYPSO CRESCENT

EXISTING
150Dia. STUB
IL 241.32

Ex.225 PVC

Ex.WAT1-5

Ex.225 PVC

Ex.WAT1-4

Ex.225 PVC
(1 in 51.0)

WAT1-3

EXISTING 300Dia. STUB
IL TO BE MODIFIED TO
IL 239.850

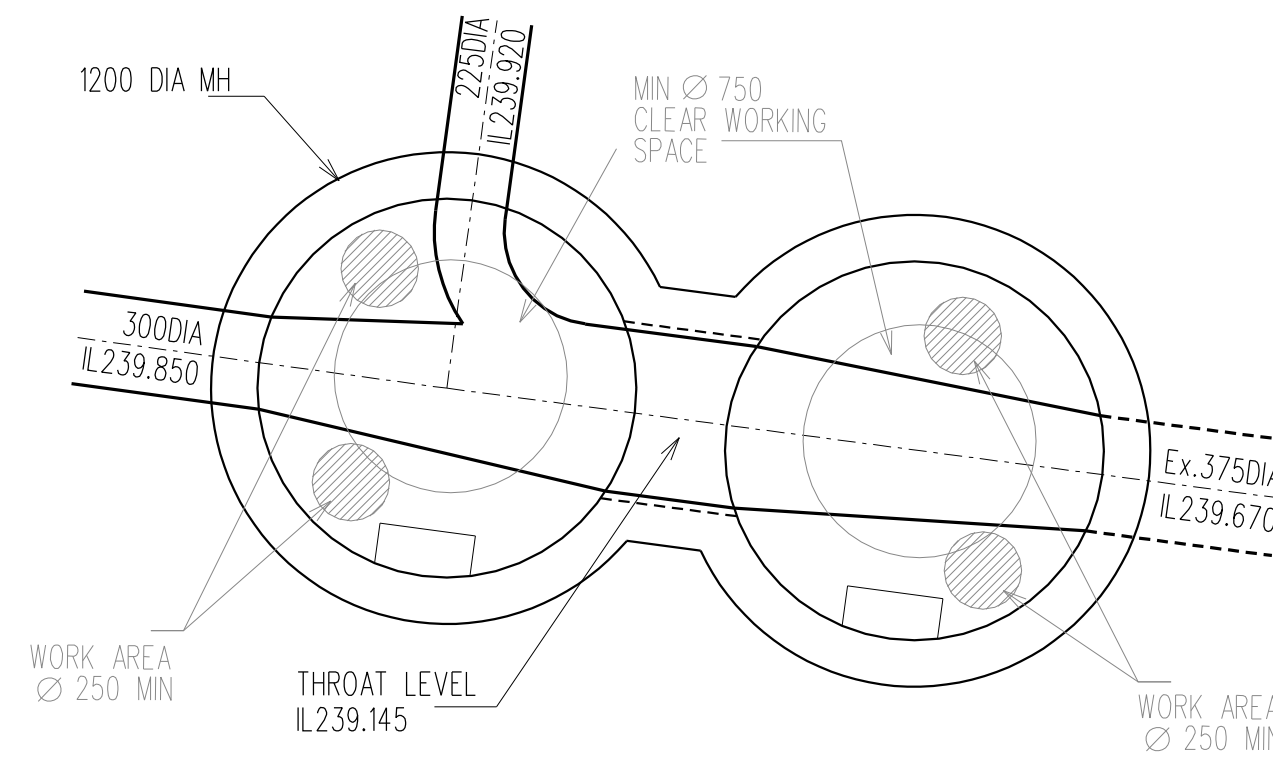
TYPE A
BACKFILL

WAT1-2GC

EXISTING 225Dia. PIPE NORTH OF WAT1-3 TO BE CUT
AND CONNECTED INTO WAT1-3 AT EXISTING LEVEL, IL 240.20.
EXISTING PIPE SECTION FROM WAT1-3 TO WAT1-2GC TO BE
REMOVED. NEW 225Dia. PIPES TO BE INSTALLED AS SPECIFIED
ON PLANS.

MANHOLE Ex.WAT1-2 TO BE REMOVED AND
REPLACED WITH A GAS CHECK MANHOLE.
REFER TO DETAIL ON PAGE.

HIGHLANDS
ESTATE



WAT1-2GC

Ex.375 PVC
(1 in 232.2)

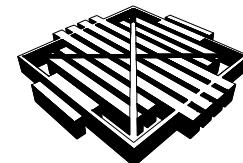
IL 239.18 GRL29

SYMBOLS AND GENERAL NOTES

- | | | |
|-------------------------------|------------------------------|-----------------------|
| EX. SEW. 225mm DIAM & UNDER | ● ACCESS CHAMBER CIRCULAR | Sq/Ju SQUARE JUNCTION |
| EX. SEW. 300mm DIAM & OVER | ● ACCESS CHAMBER GAS CHECK | Ob OBLIQUE JUNCTION |
| PROP. SEW. 225mm DIAM & UNDER | F ACCESS CHAMBER FLAT TOP | W WATER MAINS |
| PROP. SEW. 300mm DIAM & OVER | D DROP IN ACCESS CHAMBER | G GAS MAINS |
| IS/TMS/MS | L LADDER IN ACCESS CHAMBER | E ELECT. CABLES |
| EP. END OF PIPE | Lg LANDING IN ACCESS CHAMBER | T TYPHONE CABLES |

REGARDING THE ACCURACY OF POSITIONS OF UNDERGROUND AND
OVERHEAD STRUCTURES AND SERVICES SEE SPECIFICATIONS

| | | | |
|------------|--------|-----------------------------------|----------|
| DESIGNED | Z.W.L. | PLAN REFERENCE | 36182/7B |
| CHECKED | A.S.C. | MELWAY REFERENCE | 386 A1 |
| AUTHORISED | A.S.C. | YARRA VALLEY WATER FILE No. | 09/935 |



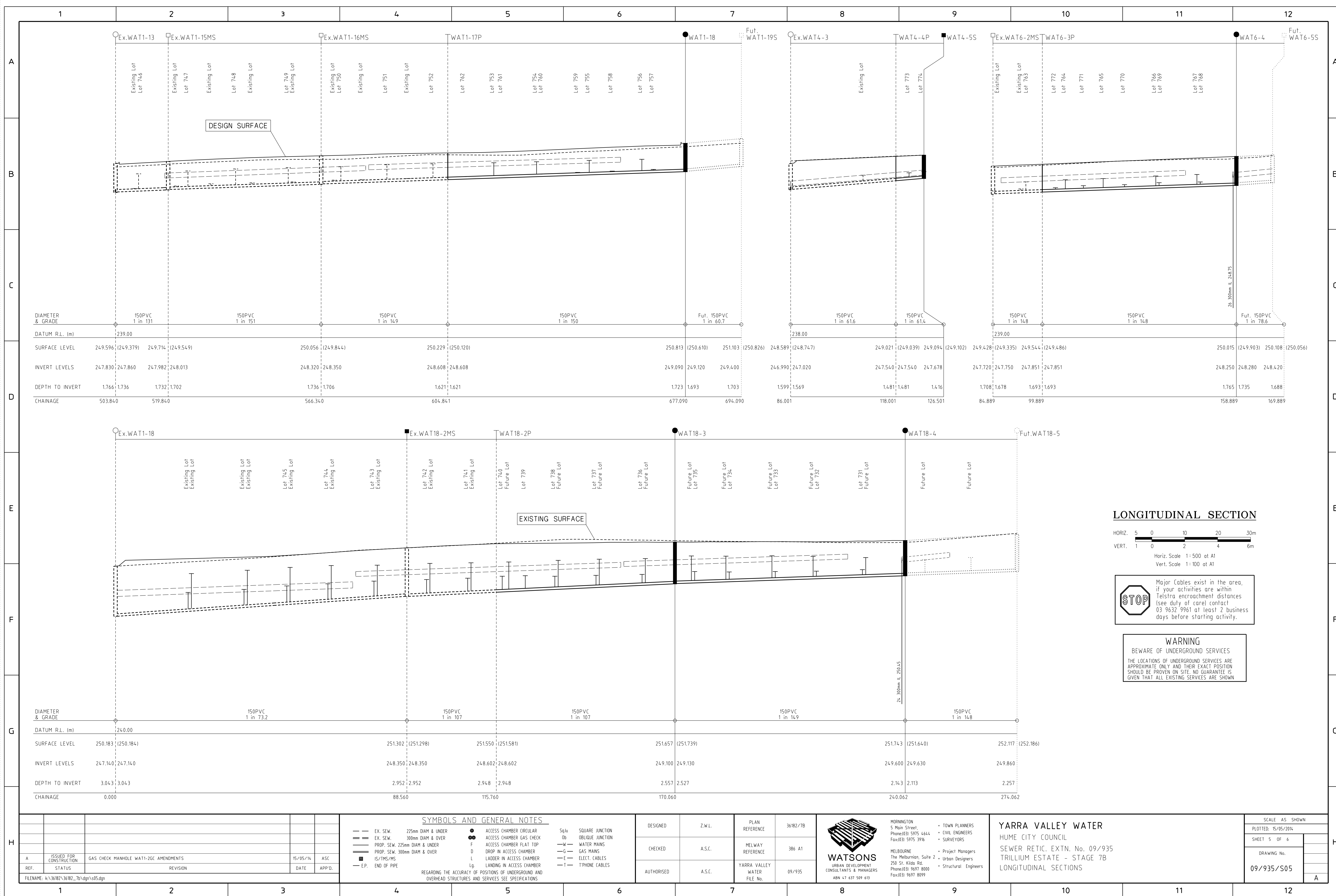
MORNINGTON
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YARRA VALLEY WATER
HUME CITY COUNCIL
SEWER RETIC. EXTN. No. 09/935
TRILLIUM ESTATE - STAGE 7B
DETAIL PLAN 3

| |
|---------------------|
| SCALE AS SHOWN |
| PLOTTED: 15/05/2014 |
| SHEET 4 OF 6 |
| DRAWING No. |
| 09/935/S04 |
| A |



 **LOCALITY PLAN**
MELWAYS: 386 A1

Diagram illustrating the layout of a footpath and kerb. The footpath is 2.50 units wide. The kerb is 2.50 units wide. The diagram shows a cross-section of the footpath and kerb, with dimensions indicating the width of the footpath and the kerb.

In Line Thrust Block.
Refer MRWA-W-205B.



FOR THE DURATION OF PROCLAIMED WATER RESTRICTIONS, THE CONTRACTOR SHALL CONFORM WITH THE RESTRICTIONS AND ANY OTHER WATER CONSERVATION REQUIREMENTS IMPOSED BY THE WATER AGENCY.

1. Only products approved and catalogued by the Water Agency shall be used.
2. Works must be constructed according to WSA 03- 2011 MRWA edition. The Contractor shall ensure that they are conversant with all current revisions, amendments and updates that the relevant Water Agency has made to their standards.
3. DW and NDW assets shall only be constructed after deeper assets affecting the water mains have been constructed (eg: sewerage & drainage assets).
4. This design is to be read in conjunction with road and drainage plans.
5. The Contractor shall obtain a road opening permit for any works within the road reserve and comply with all requirements of the road owner.
6. For interpretation of the symbols used in this design, refer to drawing MRWA-W-100.

7. Temporary Bench Marks (TBM) for the set out of works to the Australian Height Datum (AHD) are provided in the design drawings.
8. All levels are in metres to AHD.
9. All co-ordinates are in metres to the Map Grid of Australia (MGA 55- 94) unless noted otherwise.
10. The Contractor is directly responsible for ensuring the project set out is consistent with the design. Should actual site conditions conflict in any way with that documented, the Contractor shall contact the Superintendent for clarification before proceeding.
11. The Contractor is to engage a suitably qualified and experienced Surveyor to undertake asset recording of the work. All surveyor works and data recording shall be undertaken in accordance with the MRWA survey manual.
12. All specific pipe materials (eg: PVC-O) shall be indicated in the As Constructed information

13. DW and NDW system components shall be differentiated as per section 4.2 of WSA03-2011 MRWA edition.
14. For the Pipe Schedule, refer to TABLE .1.
15. For the Pipe Material Schedule, refer to TABLE. 2.

17. All valves and hydrants shall be marked according to drawings MRWA-W-300 and MRWA-W-301.
18. Valve surrounds, covers and spindles shall be constructed in accordance with drawing MRWA-W-302.
19. Hydrant surface arrangements shall be constructed in accordance with drawings MRWA-W-303.
20. Flange and flange bolts shall be constructed in accordance with drawings MRWA-W-306A and MRWA-W-306B.
21. For the Hydrant and Washout Schedule, refer to TABLE .3.
22. All valves shall be located directly out from the apex of the splay corner (unless otherwise indicated).

23. Trench, pipe placement, embedment and backfill dimensions as per standard drawing MRWA-W-202.
24. Water and Gas to be in shared trench.
25. Offsets of mains from property boundaries shall be; min 600mm (mains < DN100) and min 1m (mains >= DN100).

43. To receive the most up to date information prior to construction, "Dial before you Dig" shall be undertaken to aid in the location of other services. Other services shall be carefully located prior to full excavation at the contractor's cost. Any clashes of proposed new works with other assets shall be reported to the Superintendent immediately for clarification.

WARNING
BEWARE OF ASBESTOS
SOME UNDERGROUND SERVICES MAYBE
CONSTRUCTED FROM ASBESTOS CONTAINING
MATERIAL. CONTACT THE SUPERINTENDENT FOR
INSTRUCTIONS ON HOW TO MANAGE ANY POTENTIAL
ASBESTOS HAZARD

ISSUED FOR
CONSTRUCTION

| New Work | | | Drinking Main | Non-Drinking Main |
|-----------|-------|-------|-------------------|-------------------|
| Size (DN) | Type | Class | Length | Length |
| 225 | PVC-O | 16 | 186m | 183m |
| 150 | PVC-O | 16 | - | - |
| 100 | PVC-O | 16 | 178m | 176m |
| 63 | PE80 | 12.5 | - | - |
| 50 | PE80 | 12.5 | - | - |
| 40 | PE80 | 12.5 | - | - |
| 25 | PE80 | 12.5 | Property Services | Property Services |

| MATERIAL | Reference | MATERIAL | Reference |
|----------|------------|------------------------|------------|
| PVC-M | WSA-PS-209 | PE (retic & submain) | WSA-PS-207 |
| PVC-O | WSA-PS-210 | PE (property services) | WSA-PS-215 |

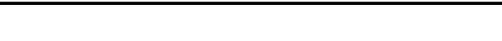
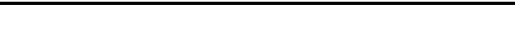
| Main Size | Fitting Type | Ownership | Location | Street | Location |
|-----------|--------------|---------------|-------------|--------------|-------------------------|
| 225 | CHLORINATION | NDW - YVW | End of Line | GRAND BLVD | WBL Lot 731 |
| 225 | CHLORINATION | DW - YVW | End of Line | GRAND BLVD | 2.5m W of WBL Lot 731 |
| 225 | HYDRANT | NDW - Council | In Line | GRAND BLVD | 7m W of EBL Lot 736 |
| 225 | HYDRANT | DW - Council | In Line | GRAND BLVD | 4.5m W of EBL Lot 736 |
| 100 | WASHOUT | NDW - YVW | End of Line | ABLOOM VIEW | WBL Lot 757 |
| 100 | WASHOUT | DW - YVW | End of Line | ABLOOM VIEW | 2.5m W of WBL Lot 757 |
| 100 | WASHOUT | NDW - YVW | End of Line | TURION DRIVE | 11m W of WBL of Lot 768 |
| 100 | WASHOUT | DW - YVW | End of Line | TURION DRIVE | 13.5m W of WBL Lot 768 |
| 100 | WASHOUT | NDW - YVW | End of Line | GOSSAMER WAY | SBL Lot 774 |
| 100 | WASHOUT | DW - YVW | End of Line | GOSSAMER WAY | 2.5m S of SBL Lot 774 |
| 100 | HYDRANT | NDW - Council | In Line | GOSSAMER WAY | W of WBL Lot 774 |
| 100 | HYDRANT | DW - Council | In Line | GOSSAMER WAY | W of WBL Lot 774 |

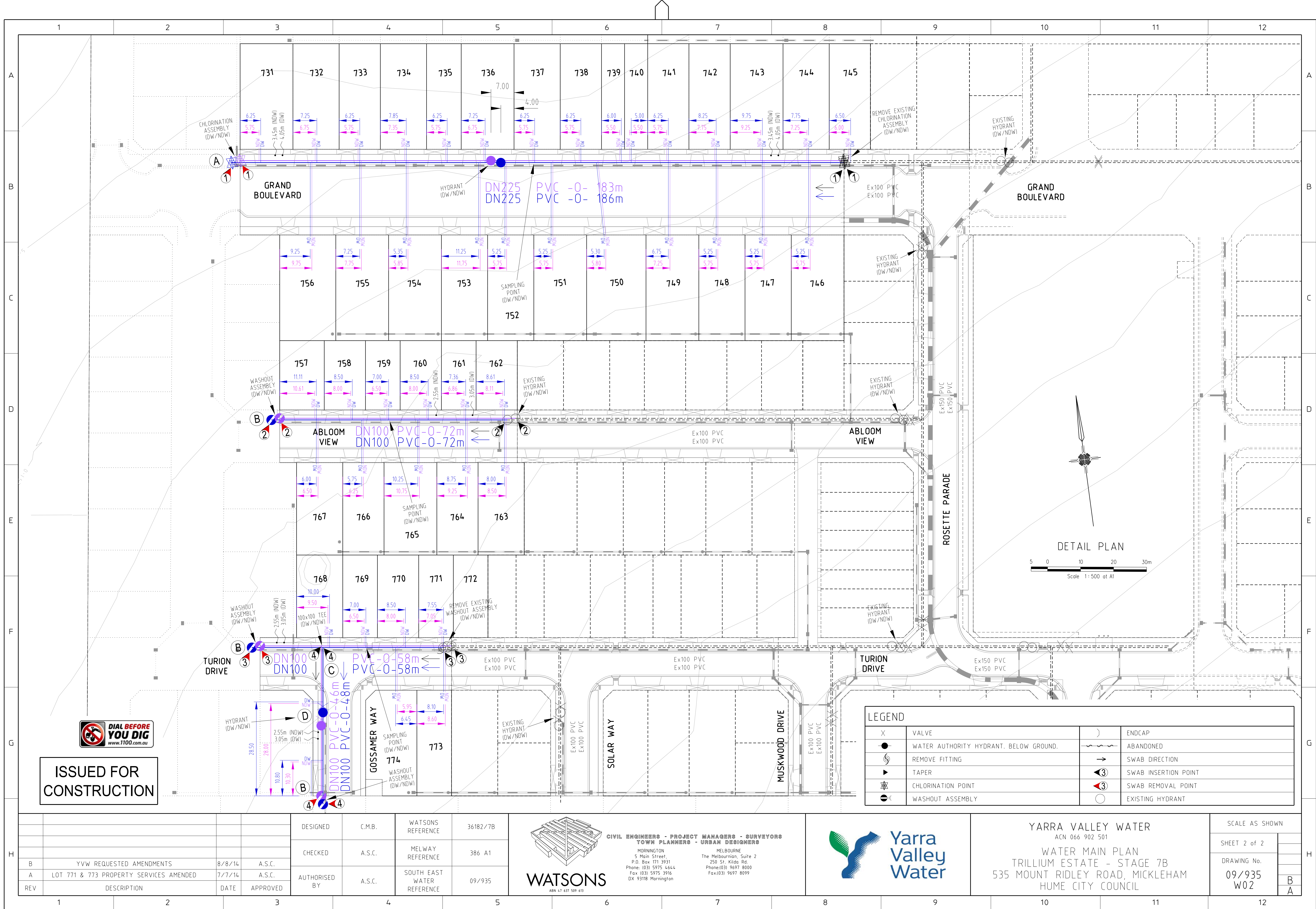
| Location | Water | ND-Water | Gas | NBN | Elec | Poles | BOK |
|-----------------|--------|----------|--------|---------|---------|-------|-----|
| GRAND BOULEVARD | 4.05 N | 3.45 N | 2.95 N | 2.775 S | 3.175 S | - | - |
| ABLUON VIEW | 3.05 N | 2.55 N | 2.05 N | 1.775 S | 2.60 S | - | - |
| TURION DRIVE | 3.05 N | 2.55 N | 2.05 N | 1.775 S | 2.60 S | - | - |
| GOSSAMER WAY | 3.05 W | 2.55 W | 2.05 W | 1.775 E | 2.60 E | - | - |

| Location | Type | Area (m ²) | Depth (m) | Width (m) | Quantity | Fitting | AHBP (kPa) USED |
|----------|-----------------------|------------------------|-----------|-----------|----------|---------------|--------------------|
| A | Detail E, MRWA-W-205A | 1.03 | N/A | N/A | 2 | 225 CHLOR. | 50 |
| B | Detail E, MRWA-W-205A | 0.23 | N/A | N/A | 6 | 100 WASHOUT | 50 |
| C | Detail F, MRWA-W-205B | 0.23 | N/A | N/A | 2 | 100 x 100 TEE | 50 |
| D | Detail K, MRWA-W-205A | 0.30 | N/A | N/A | 2 | 100 VALVE | 50 |
| | | | | | | | |
| | | | | | | | |

| Existing or proposed Service | Minimum vertical clearance (mm) | Existing or proposed Service | Minimum vertical clearance (mm) |
|------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Water mains < DN375 | 150 | Electricity conduits and cables | 225 |
| Water mains >DN375 | 300 | Stormwater drains & pits | 150 |
| Gas mains | 150 | Sewers - gravity | 500 |
| Teleco conduits and cables | 150 | Sewers - pressure & vacuum | 300 |

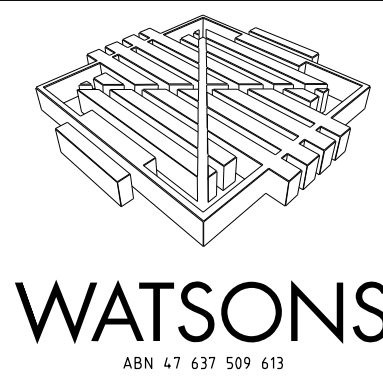
- Vertical clearance between water mains shall depend on the larger main diameter.
- Water mains shall cross over sewers and drains unless shown otherwise.
- Maintain additional clearance from High Voltage electrical cables to allow for a protective barrier and marking.

| | | | | | | | | | | | | | | |
|-----|---|--------|----------|---------------|--------|----------------------------|----------|--|--|---------------------------------------|------------|--------|----------------|--|
| | | | | DESIGNED | C.M.B. | WATSONS REFERENCE | 36182/7B |  <p>CIVIL ENGINEERING - PROJECT MANAGEMENT - SURVEYORS TOWN PLANNING - URBAN DESIGNERS</p> <p>MORNINGTON 5 Main Street, P.O. Box 171 3931 Phone: (03) 5975 4644 Fax: (03) 5975 3916 DX 93118 Mornington</p> <p>MELBOURNE The Melbourne, Suite 2 250 St. Kilda Rd Phone: (03) 9697 8000 Fax: (03) 9697 8099</p> <p>WATSONS ABN 47 637 509 613</p> |  <p>Yarra Valley Water</p> | YARRA VALLEY WATER ACN 066 902 501 | | | SCALE AS SHOWN | |
| | | | | CHECKED | A.S.C. | MELWAY REFERENCE | 386 A1 | | | SHEET 1 of 2 | | | | |
| B | YVW REQUESTED AMENDMENTS | 8/8/14 | A.S.C. | AUTHORISED BY | A.S.C. | SOUTH EAST WATER REFERENCE | 09/935 | | | DRAWING No. | 09/935 W01 | B A | | |
| A | LOT 771 & 773 PROPERTY SERVICES AMENDED | 7/7/14 | A.S.C. | | | | | | | | | | | |
| REV | DESCRIPTION | DATE | APPROVED | | | | | | | | | | | |



ISSUED FOR
CONSTRUCTION

| | | | | |
|---------------|---|---|----------------------------|----------|
| REV | B | YVW REQUESTED AMENDMENTS | 8/8/14 | A.S.C. |
| | A | LOT 771 & 773 PROPERTY SERVICES AMENDED | 7/7/14 | A.S.C. |
| | 1 | DESCRIPTION | DATE | APPROVED |
| | 2 | | | |
| DESIGNED | | C.M.B. | WATSONS REFERENCE | 36182/7B |
| CHECKED | | A.S.C. | MELWAY REFERENCE | 386 A1 |
| AUTHORISED BY | | A.S.C. | SOUTH EAST WATER REFERENCE | 09/935 |



CIVIL ENGINEERS - PROJECT MANAGERS - SURVEYORS
TOWN PLANNERS - URBAN DESIGNERS
MORNINGTON 5 Main Street P.O. Box 171 3931 Phone: (03) 5975 4644 Fax: (03) 5975 3916 DX 93118 Mornington
MELBOURNE The Melbourne Suite 2 250 St. Kilda Rd. Phone: (03) 9697 8000 Fax: (03) 9697 8099



YARRA VALLEY WATER
ACN 066 902 501
WATER MAIN PLAN
TRILLIUM ESTATE - STAGE 7B
535 MOUNT RIDLEY ROAD, MICKLEHAM
HUME CITY COUNCIL

| | |
|----------------|--|
| SCALE AS SHOWN | |
| SHEET 2 of 2 | |
| DRAWING No. | |
| 09/935 | |
| W02 | |




SHEET INDEX

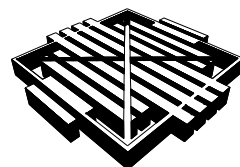
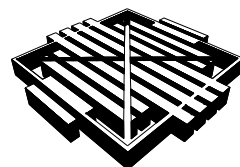
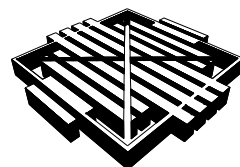
| | |
|-------|---|
| 1 | LOCALITY PLAN, SHEET INDEX & GENERAL NOTES |
| 2 | HUME CITY COUNCIL & SITE SPECIFIC NOTES |
| 3 | TYPICAL PAVEMENT CROSS SECTIONS |
| 4 | DETAIL PLAN & SERVICE OFFSET TABLE |
| 5 | INTERSECTION DETAILS, LIP OF KERB PROFILES & CURVE SETOUT TABLE |
| 6 | GRAND BOULEVARD LONGITUDINAL SECTION |
| 7-11 | GRAND BOULEVARD CROSS SECTIONS |
| 12 | ABLOOM VIEW LONGITUDINAL & CROSS SECTIONS |
| 13 | ABLOOM VIEW CROSS SECTIONS |
| 14 | TURION DRIVE LONGITUDINAL SECTION |
| 15 | TURION DRIVE CROSS SECTIONS |
| 16 | GOSSAMER WAY LONGITUDINAL & CROSS SECTIONS |
| 17-21 | DRAINAGE LONGITUDINAL SECTIONS |
| 22 | PIT SCHEDULE |
| 23 | LINEMARKING & SIGNAGE PLAN |
| 24 | PARKING PLAN |
| 25 | TURNING TEMPLATES |
| 26 | EARTHWORKS PLAN |
| 27 | TEMPORARY CUTOFF DRAIN & TEMPORARY OUTFALL |

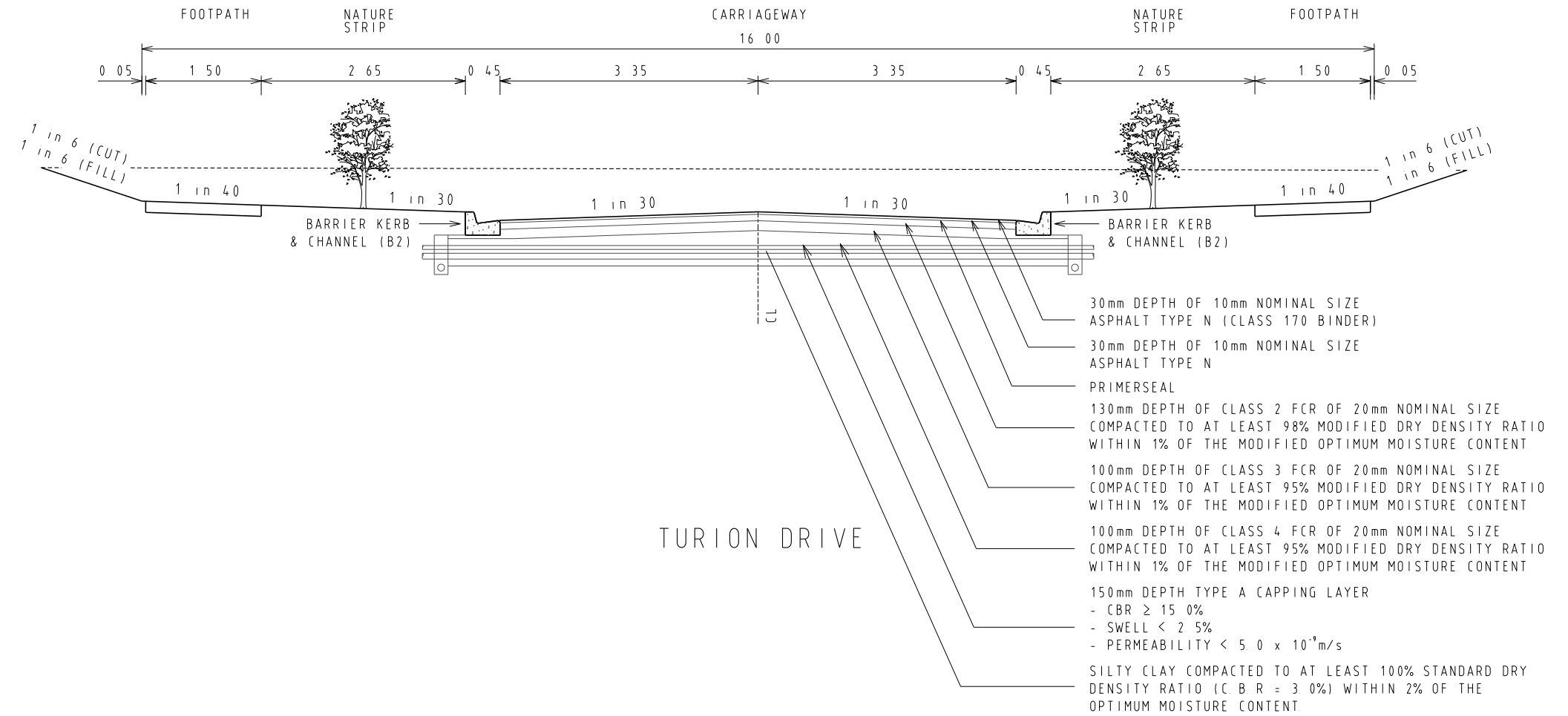
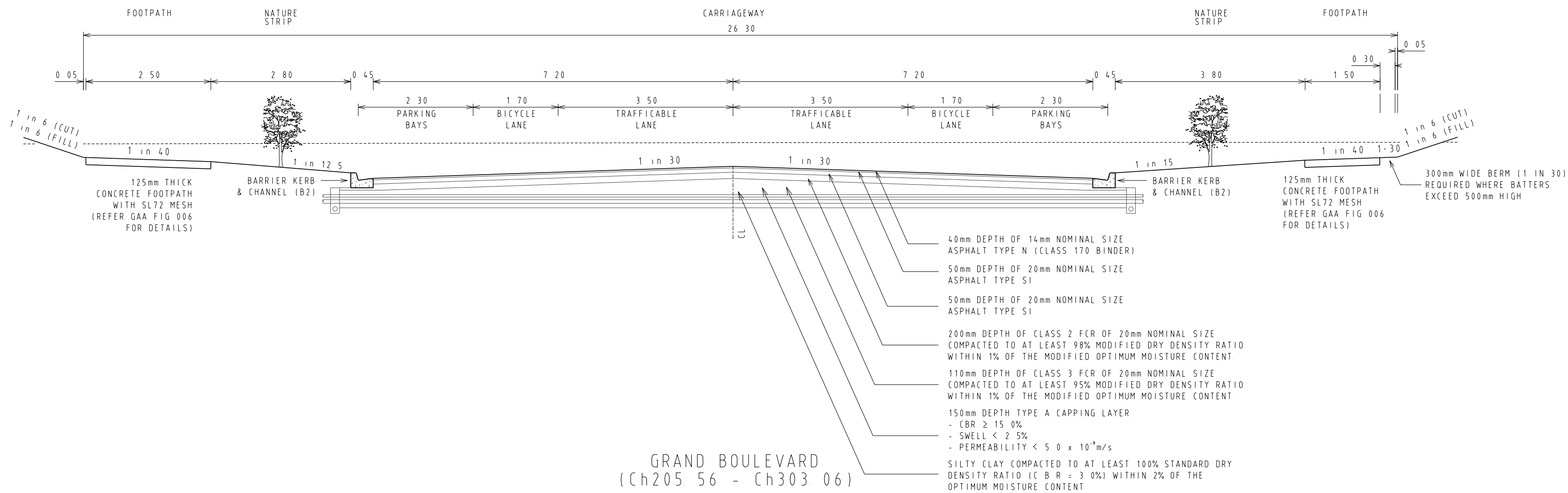
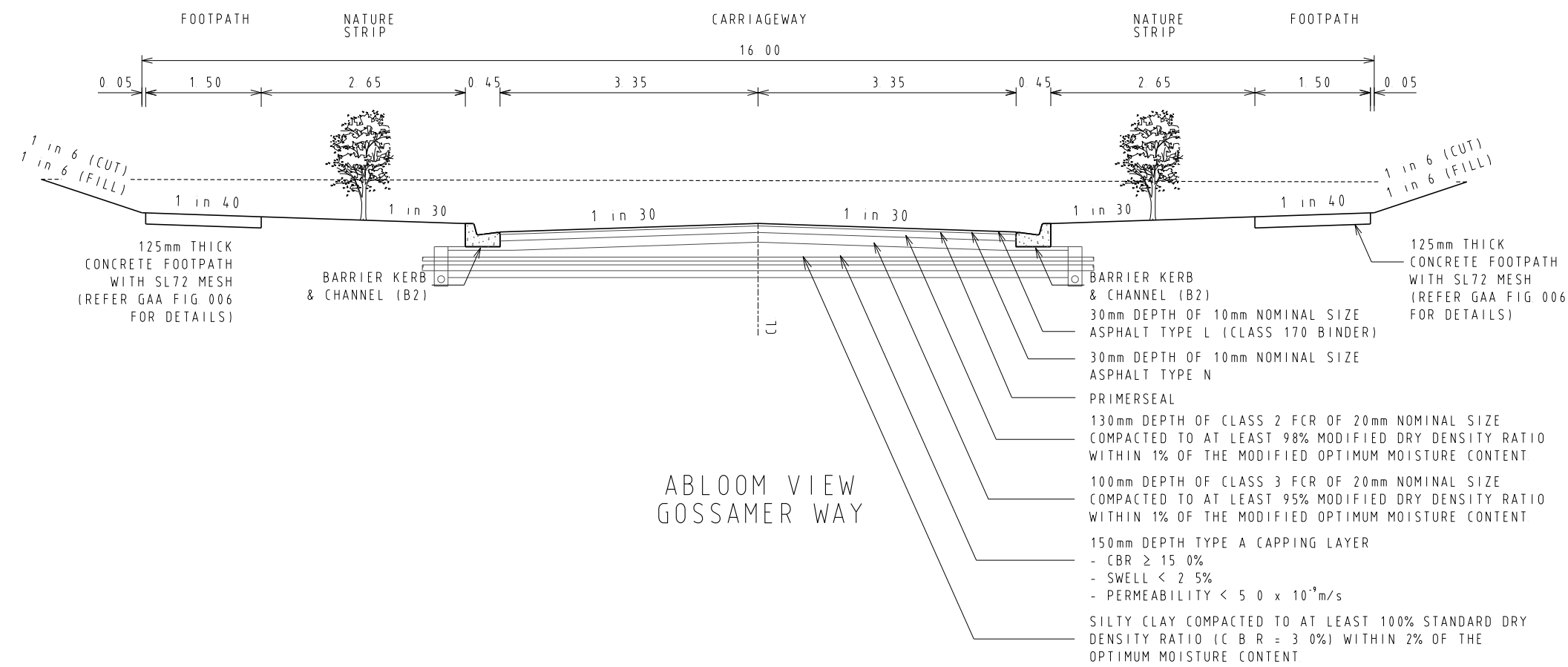
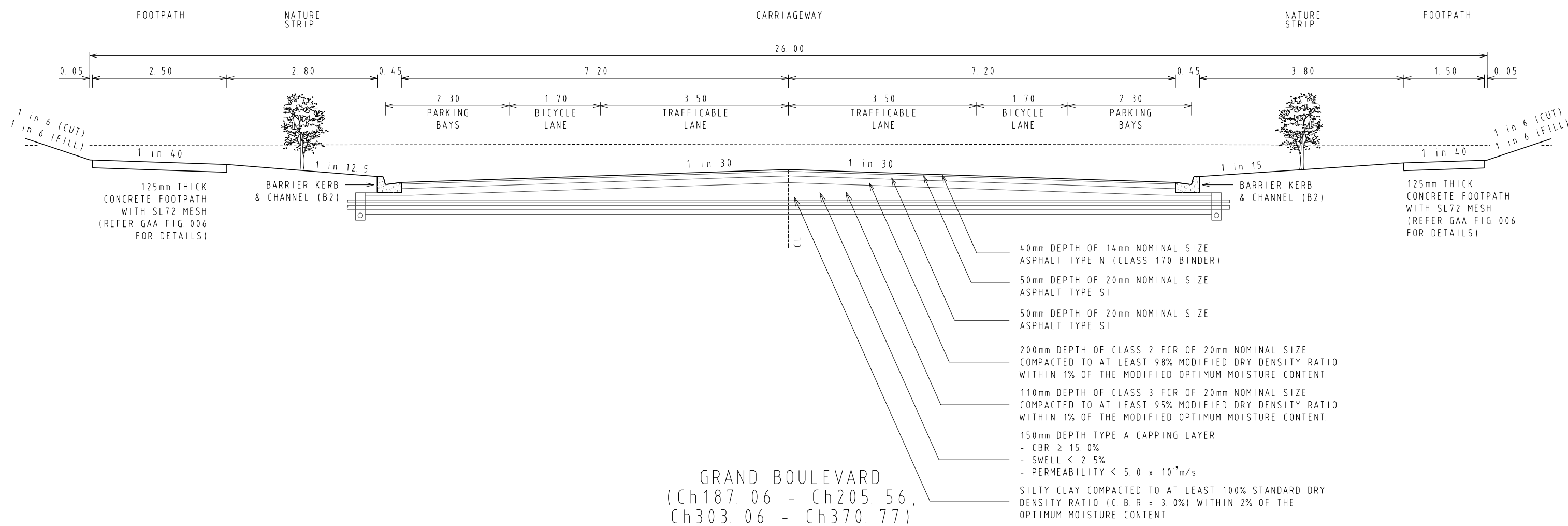
GENERAL NOTES


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

| VERSION DETAILS | | | | | | SCALE: AS SHOWN | | HUME CITY COUNCIL | | PLAN NUMBER |
|---|----------|--------------------|--|-------------------------|------------|-----------------|-----------------------|--|---|-----------------|
| REVISION | DATE | SHEETS REVISED | DESCRIPTIONS | STATUS | AUTHORISED | DATE PRINTED: | 16/12/2014 | MORWINGTON 5 Main Street, Phone(03) 5975 4644 Fax(03) 5975 3916 | <div><div>TOWN PLANNERS</div><div>CIVIL ENGINEERS</div><div>SURVEYORS</div></div> | 36182/7B R01 |
| E | 16/12/14 | ALL | - | AS CONSTRUCTED | ZWL | LEVEL DATA: | Ltopo.dgn | <div><div></div><div>WATSONS URBAN DEVELOPMENT CONSULTANTS & MANAGERS ABN 47 637 509 613</div></div> | <div><div>• TOWN PLANNERS</div><div>• CIVIL ENGINEERS</div><div>• SURVEYORS</div><div>• Project Managers</div><div>• Urban Designers</div><div>• Structural Engineers</div></div> | |
| D | 22/09/14 | 4 | LDT 765 CROSSOVER RELOCATED | ISSUED FOR CONSTRUCTION | ASC | DATUM: | AHD | | | |
| C | 7/07/14 | 4, 18, 19, 20 & 22 | DRAINAGE PITS 6.3, 11.6 & 23.1 RELOCATED | ISSUED FOR CONSTRUCTION | ASC | PROJECT No.: | 36182/7B | | | |
| B | 23/06/14 | 4, 17, 18 & 22 | MW DRAINAGE LINE AMENDED | APPROVED | ASC | DRAWN: | C.M.B. DATE: MAR 2014 | | | |
| A | 01/05/14 | ALL | COUNCIL COMMENTS DATED 22/04/14 | PRELIMINARY | ASC | DESIGNED: | Z.W.L. DATE: MAR 2014 | | | |
| FILENAME: k:\36182\36182_7B\dgn\R01.dgn | | | | | | AUTHORISED: | A.S.C. DATE: MAR 2014 | MELBOURNE The Melbourne, Suite 2 250 St. Kilda Rd. Phone(03) 9697 8000 Fax(03) 9697 8099 | VILLAWOOD PROPERTIES P/L TRILLIUM - STAGE 7B 535 MOUNT RIDLEY ROAD MICKLEHAM | REVISION E |
| | | | | | | | | LOCALITY PLAN, SHEET INDEX, & GENERAL NOTES | | SHEET 1 OF 27 |

| HUME CITY COUNCIL NOTES | | | | | | SITE SPECIFIC 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 | | | | | 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 | 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 | | | | | 2 | THE CONTRACTOR SHALL BE RESPONSIBLE FOR APPROPRIATE SILTATION CONTROL DURING THE CONSTRUCTION AND MAINTENANCE PERIODS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | 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 | 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 | | | | | 4 | ALL SERVICES TRENCHES UNDER PAVEMENT WORKS ARE TO BE BACKFILLED WITH FCR AS SPECIFIED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | 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 | 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 | | | | | 6 | AG DRAIN TO BE CONSTRUCTED BEHIND ALL KERB AND CHANNEL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | 7 | ALL DRAINAGE PIPES GREATER THAN 150mm TO BE R R J CLASS 2 (UNO) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE | | | | | 8 | ACCESS TO EXISTING RESIDENCE TO BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (AHD) | | | | | 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 | 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 | | | | | 10 | APPROPRIATE INSPECTIONS SHALL BE ORGANISED WITH HUME CITY COUNCIL'S COUNCIL WORKS SUPERVISOR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | 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 | FILLING TO COMPLY WITH A S 3798-1996 APPENDIX B, LEVEL 1 (OR 2) AS SPECIFIED | | | | | 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 | 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 | | | | | 13 | MINIMUM FALL ON ALL LOTS TO BE 1 IN 150 LONGITUDINALLY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | 14 | PAVEMENT DEPTH TO BE MODIFIED AS DIRECTED BY HUME CITY COUNCIL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | NO TREE OR NATIVE VEGETAION IS TO BE DISTURBED OR REMOVED WITHOUT PRIOR APPROVAL FROM COUNCILS SUSTAINABLE ENVIRONMENT DEPARTMENT ANY TREES REMOVED, VEGETATION OR OTHER MATERIALS ARE NOT TO BE BURNT ON SITE | | | | | 15 | USE OF ANY SOFT RIPPED ROCK IN ROAD PAVEMENT IS TO CONFORM TO SPECIFICATIONS FOR RIPPED ROCK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | 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 | THE CONTRACTOR IS TO OBTAIN A BUILDING PERMIT FOR ANY STRUCTURES / FENCES AND FOR ANY RETAINING WALLS OVER 1.0m IN HEIGHT | | | | | 17 | NO CUT OR FILL EXTENDS INTO BUILDING ENVELOPES, EXCEPT WHERE SHOWN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | 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 | 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 | | | | | 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 | FOOTPATHS ARE TO BE 50mm OFFSET FROM TITLE BOUNDARIES UNLESS NOTED OTHERWISE VEHICLE CROSSING ALIGNMENTS ARE GENERALLY TO BE PARALLEL TO THE SIDE BOUNDARY | | | | | 20 | TELSTRA AND ELECTRICITY CABLES ARE TO BE PLACED IN A SHARED TRENCH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | ALL NEW CONCRETE WORKS SHALL BE JOINED INTO ABUTTING EXISTING CONCRETE WITH 450mm LONG Y20 DOWEL BARS @ 600 CENTRES, UNLESS OTHERWISE SPECIFIED | | | | | 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 0.5M UNLESS SHOWN OTHERWISE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | ANY EXPOSED AGGREGATE CONCRETE WORKS TO BE ACHIEVED BY SANDBLASTING ONLY WASHING AGGREGATE OFF WITH WATER IS NOT PERMITTED | | | | | 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 50MM 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 FILLIG AND THE LEVELS SHOWN ON THE 'AS-CONSTRUCTED' PLANS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table><tr><th colspan="6">VERSION DETAILS</th><th>SCALE:</th><th colspan="2">AS SHOWN</th></tr><tr><th>REVISION</th><th>DATE</th><th>SHEETS REVISED</th><th>DESCRIPTIONS</th><th>STATUS</th><th>AUTHORISED</th><th>DATE PRINTED:</th><td colspan="2">16/12/2014</td></tr><tr><td>E</td><td>16/12/14</td><td>ALL</td><td>-</td><td>AS CONSTRUCTED</td><td>ZWL</td><th>LEVEL DATA:</th><td colspan="2">Ltopo.dgn</td></tr><tr><td>D</td><td>22/09/14</td><td>4</td><td>LOT 765 CROSSOVER RELOCATED</td><td>ISSUED FOR CONSTRUCTION</td><td>ASC</td><th>DATUM:</th><td colspan="2">AHD</td></tr><tr><td>C</td><td>7/07/14</td><td>4, 18, 19, 20 & 22</td><td>DRAINAGE PITS 6.3, 11.6 & 23.1 RELOCATED</td><td>ISSUED FOR CONSTRUCTION</td><td>ASC</td><th>PROJECT No.:</th><td colspan="2">36182/7B</td></tr><tr><td>B</td><td>23/06/14</td><td>4, 17, 18 & 22</td><td>MW DRAINAGE LINE AMENDED</td><td>APPROVED</td><td>ASC</td><th>DRAWN:</th><td>C.M.B.</td><td>DATE: MAR 2014</td></tr><tr><td>A</td><td>01/05/14</td><td>ALL</td><td>COUNCIL COMMENTS DATED 22/04/14</td><td>PRELIMINARY</td><td>ASC</td><th>DESIGNED:</th><td>Z.W.L.</td><td>DATE: MAR 2014</td></tr><tr><td colspan="6">FILENAME: k:\36182\36182_7b\dwg\vr02.dgn</td><th>AUTHORISED:</th><td>A.S.C.</td><td>DATE: MAR 2014</td></tr></table> | | | | | | VERSION DETAILS | | | | | | SCALE: | AS SHOWN | | REVISION | DATE | SHEETS REVISED | DESCRIPTIONS | STATUS | AUTHORISED | DATE PRINTED: | 16/12/2014 | | E | 16/12/14 | ALL | - | AS CONSTRUCTED | ZWL | LEVEL DATA: | Ltopo.dgn | | D | 22/09/14 | 4 | LOT 765 CROSSOVER RELOCATED | ISSUED FOR CONSTRUCTION | ASC | DATUM: | AHD | | C | 7/07/14 | 4, 18, 19, 20 & 22 | DRAINAGE PITS 6.3, 11.6 & 23.1 RELOCATED | ISSUED FOR CONSTRUCTION | ASC | PROJECT No.: | 36182/7B | | B | 23/06/14 | 4, 17, 18 & 22 | MW DRAINAGE LINE AMENDED | APPROVED | ASC | DRAWN: | C.M.B. | DATE: MAR 2014 | A | 01/05/14 | ALL | COUNCIL COMMENTS DATED 22/04/14 | PRELIMINARY | ASC | DESIGNED: | Z.W.L. | DATE: MAR 2014 | FILENAME: k:\36182\36182_7b\dwg\vr02.dgn | | | | | | AUTHORISED: | A.S.C. | DATE: MAR 2014 | <table><tr><td colspan="2">MORNINGTON 5 Main Street, Phone(03) 5975 4644 Fax(03) 5975 3916</td><td>• TOWN PLANNERS • CIVIL ENGINEERS • SURVEYORS</td><td rowspan="6"></td><td colspan="2">Project Managers Urban Designers Structural Engineers</td></tr><tr><td colspan="2">MELBOURNE The Melbourne, Suite 2 250 St. Kilda Rd. Phone(03) 9697 8000 Fax(03) 9697 8099</td><td></td><td colspan="2" rowspan="5">URBAN DEVELOPMENT CONSULTANTS & MANAGERS ABN 47 637 509 613</td></tr></table> | | | | | | MORNINGTON 5 Main Street, Phone(03) 5975 4644 Fax(03) 5975 3916 | | • TOWN PLANNERS • CIVIL ENGINEERS • SURVEYORS |  | Project Managers Urban Designers Structural Engineers | | MELBOURNE The Melbourne, Suite 2 250 St. Kilda Rd. Phone(03) 9697 8000 Fax(03) 9697 8099 | | | URBAN DEVELOPMENT CONSULTANTS & MANAGERS ABN 47 637 509 613 | |
| VERSION DETAILS | | | | | | SCALE: | AS SHOWN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| REVISION | DATE | SHEETS REVISED | DESCRIPTIONS | STATUS | AUTHORISED | DATE PRINTED: | 16/12/2014 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| D | 22/09/14 | 4 | LOT 765 CROSSOVER RELOCATED | ISSUED FOR CONSTRUCTION | ASC | DATUM: | AHD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| A | 01/05/14 | ALL | COUNCIL COMMENTS DATED 22/04/14 | PRELIMINARY | ASC | DESIGNED: | Z.W.L. | DATE: MAR 2014 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| MELBOURNE The Melbourne, Suite 2 250 St. Kilda Rd. Phone(03) 9697 8000 Fax(03) 9697 8099 | | | | URBAN DEVELOPMENT CONSULTANTS & MANAGERS ABN 47 637 509 613 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | HUME CITY COUNCIL | | PLAN NUMBER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | VILLAWOOD PROPERTIES P/L TRILLIUM - STAGE 7B 535 MOUNT RIDLEY ROAD MICKLEHAM | | 36182/7B R02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | HUME CITY COUNCIL & SITE SPECIFIC NOTES | | REVISION E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | SHEET 2 OF 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| VERSION DETAILS | | | | | | SCALE: AS SHOWN | | <div><div>WATSONS URBAN DEVELOPMENT CONSULTANTS & MANAGERS ABN 43 637 509 613</div></div> | | HUME CITY COUNCIL | | PLAN NUMBER | | | | | |
|---|----------|--------------------|--|-------------------------|------------|--------------------------|-----------------------|--|--|-------------------|-----------------------|--|--|---|---|---------------------------------|---------------|
| REVISION | DATE | SHEETS REVISED | DESCRIPTIONS | STATUS | AUTHORISED | DATE PRINTED: 16/12/2014 | LEVEL DATA: Ltopo.dgn | | | DATUM: AHD | PROJECT No.: 36182/7B | DRAWN: C.M.B. DATE: MAR 2014 | DESIGNED: Z.W.L. DATE: MAR 2014 | AUTHORISED: A.S.C. DATE: MAR 2014 | VILLAWOOD PROPERTIES P/L TRILLIUM - STAGE 7B 535 MOUNT RIDLEY ROAD MICKLEHAM | 36182/7B R03 | |
| E | 16/12/14 | ALL | - | AS CONSTRUCTED | ZWL | | | | | | | | <div>MORNINGTON 5 Main Street, Phone:031 5975 4644 Fax:031 5975 3916</div> <div>MELBOURNE The Melbourne, Suite 2 250 St. Kilda Rd. Phone:031 9697 8000 Fax:031 9697 8099</div> | <div>• TOWN PLANNERS</div> <div>• CIVIL ENGINEERS</div> <div>• SURVEYORS</div> <div>• Project Managers</div> <div>• Urban Designers</div> <div>• Structural Engineers</div> | REVISION E | | |
| D | 22/09/14 | 4 | LOT 765 CROSSOVER RELOCATED | ISSUED FOR CONSTRUCTION | ASC | | | | | | | <div>WATSONS URBAN DEVELOPMENT CONSULTANTS & MANAGERS ABN 43 637 509 613</div> | | | | TYPICAL PAVEMENT CROSS SECTIONS | SHEET 3 OF 27 |
| C | 7/07/14 | 4, 18, 19, 20 & 22 | DRAINAGE PITS 6.3, 11.6 & 23.1 RELOCATED | ISSUED FOR CONSTRUCTION | ASC | | | | | | | | | | | | |
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| FILENAME: k:\36182\36182_7b\dgn\r03.dgn | | | | | | | | | | | | | | | | | |

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



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

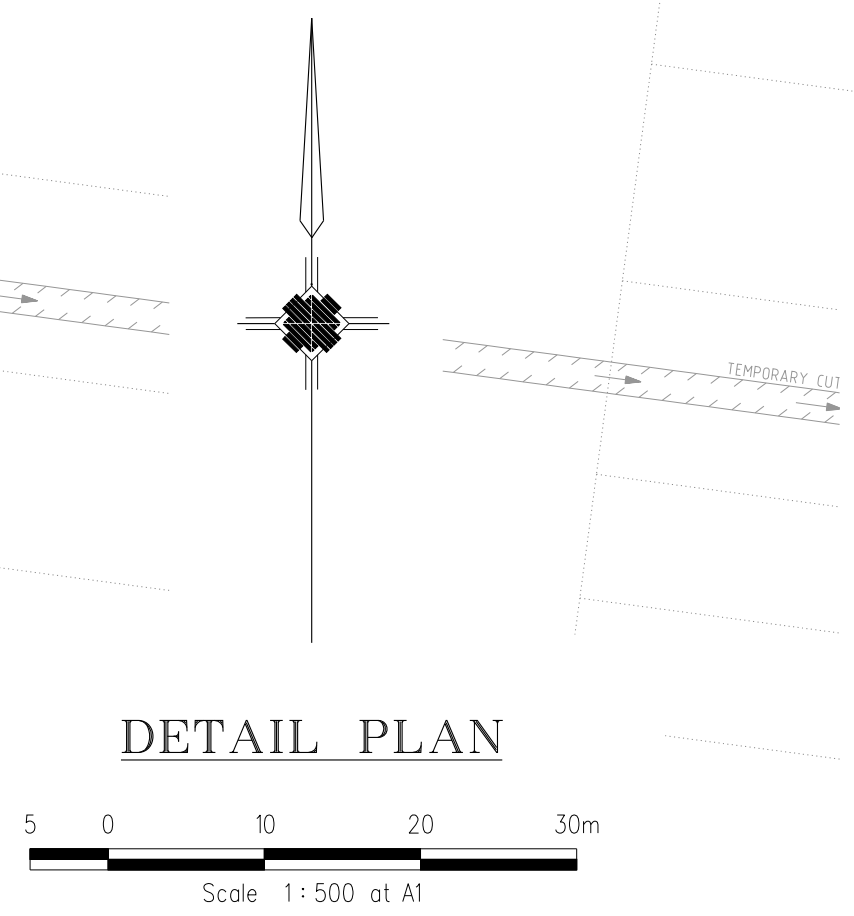
P.S.M. or Survey Mark

Lot Slope Direction

T.B.M with Description

NOTE:

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



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

WARNING
OVERHEAD ELECTRICITY

DETAIL PLAN

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 | 2.05 N | 2.55 N | 3.05 N | 2.60 S | 1.775 S | - |
| TURION DRIVE | 2.05 N | 2.55 N | 3.05 N | 2.60 S | 1.775 S | - |
| GOSSAMER WAY | 2.05 W | 2.55 W | 3.05 W | 2.60 E | 1.775 E | 1.00 W |

| VERSION DETAILS | | | | | | SCALE: | AS SHOWN |
|---|----------|--------------------|--|-------------------------|------------|---------------|-----------------------|
| REVISION | DATE | SHEETS REVISED | DESCRIPTIONS | STATUS | AUTHORISED | DATE PRINTED: | 16/12/2014 |
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| FILENAME: k:\36182\36182_7B\dgn\R04.dgn | | | | | | AUTHORISED: | A.S.C. DATE: MAR 2014 |

MORNINGTON
5 Main Street,
Phone(03) 5975 4644
Fax(03) 5975 3916

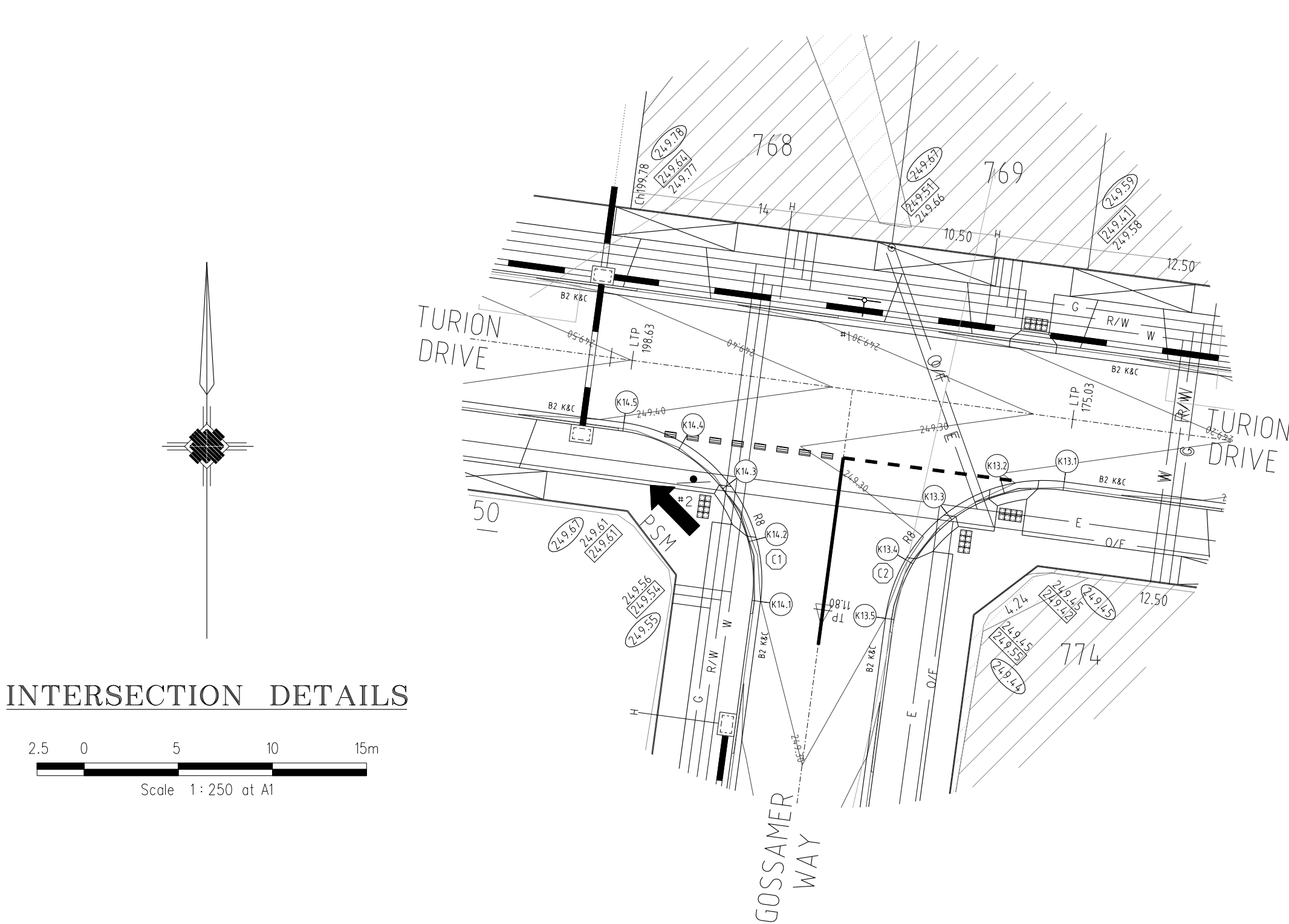
MELBOURNE
The Melbourne, Suite 2
250 St. Kilda Rd.
Phone(03) 9697 8000
Fax(03) 9697 8099

• TOWN PLANNERS
• CIVIL ENGINEERS
• SURVEYORS

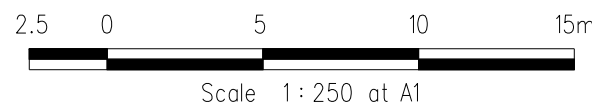
• Project Managers
• Urban Designers
• Structural Engineers

WATSONS
URBAN DEVELOPMENT
CONSULTANTS & MANAGERS
ABN 47 637 509 613

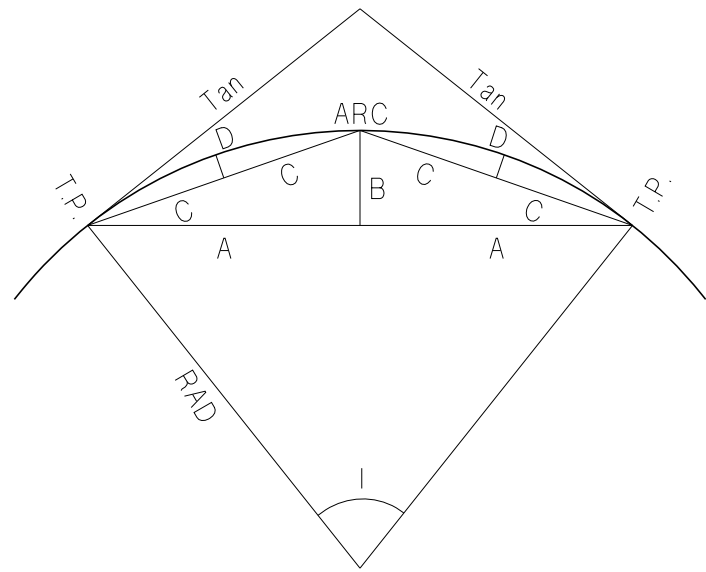
| HUME CITY COUNCIL | | PLAN NUMBER |
|---|--|-----------------|
| VILLAWOOD PROPERTIES P/L TRILLIUM - STAGE 7B 535 MOUNT RIDLEY ROAD MICKLEHAM | | 36182/7B R04 |
| DETAIL PLAN & SERVICE OFFSET TABLE | | REVISION E |
| | | SHEET 4 OF 27 |



INTERSECTION DETAILS



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



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 |

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.

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KERB RETURN K13

| POINT NO. | EASTING | NORTHING | RL |
|-----------|----------|----------|---------|
| K13.1 | 3665.752 | 9744.047 | 249.169 |
| K13.2 | 3662.463 | 9743.839 | 249.21 |
| K13.3 | 3659.502 | 9742.388 | 249.273 |
| K13.4 | 3657.323 | 9739.914 | 249.316 |
| K13.5 | 3656.255 | 9736.795 | 249.299 |

NOTE: SETOUT IS TO LIP OF KERB

Vertical Grade
VC length

| Datum R.L.247 | | | | | | |
|-------------------|---------|---------|---------|---------|---------|---------|
| DESIGN CENTRELINE | 249.122 | 249.169 | 249.210 | 249.273 | 249.316 | 249.299 |
| EXISTING SURFACE | | 249.48 | 249.50 | 249.51 | 249.50 | 249.48 |
| CHAINAGES | -5.00 | 0.00 | 3.32 | 6.64 | 9.96 | 13.27 |

K13 LONGITUDINAL SECTION

KERB RETURN K14

| POINT NO. | EASTING | NORTHING | RL |
|-----------|----------|----------|---------|
| K14.1 | 3649.615 | 9737.686 | 249.299 |
| K14.2 | 3649.407 | 9740.975 | 249.321 |
| K14.3 | 3647.956 | 9743.936 | 249.344 |
| K14.4 | 3645.483 | 9746.116 | 249.366 |
| K14.5 | 3642.363 | 9747.183 | 249.388 |

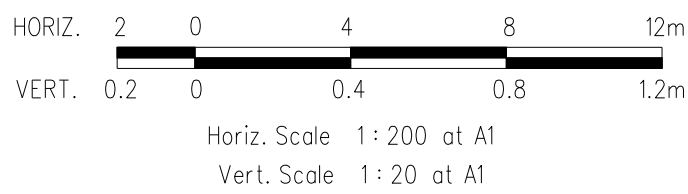
NOTE: SETOUT IS TO LIP OF KERB

Vertical Grade
VC length

| Datum R.L.247 | | | | | | |
|-------------------|---------|---------|---------|---------|---------|---------|
| DESIGN CENTRELINE | 249.228 | 249.299 | 249.321 | 249.344 | 249.366 | 249.388 |
| EXISTING SURFACE | | 249.52 | 249.55 | 249.59 | 249.63 | 249.66 |
| CHAINAGES | -5.00 | 0.00 | 3.32 | 6.64 | 9.96 | 13.27 |

K14 LONGITUDINAL SECTION

LONGITUDINAL SECTIONS



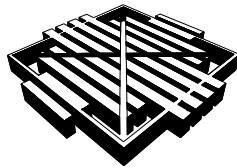
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MORNINGTON
5 Main Street,
Phone(03) 5975 4644
Fax(03) 5975 3916

• TOWN PLANNERS
• CIVIL ENGINEERS
• SURVEYORS

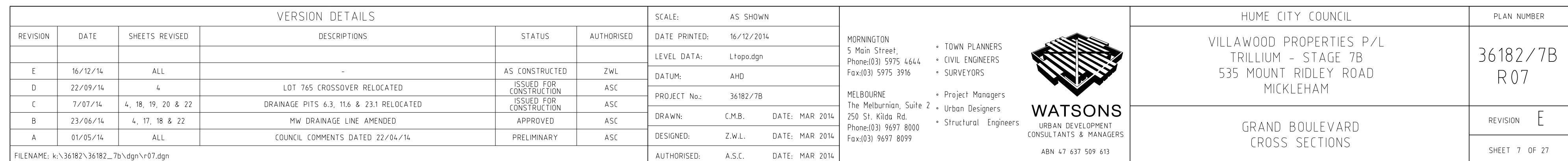
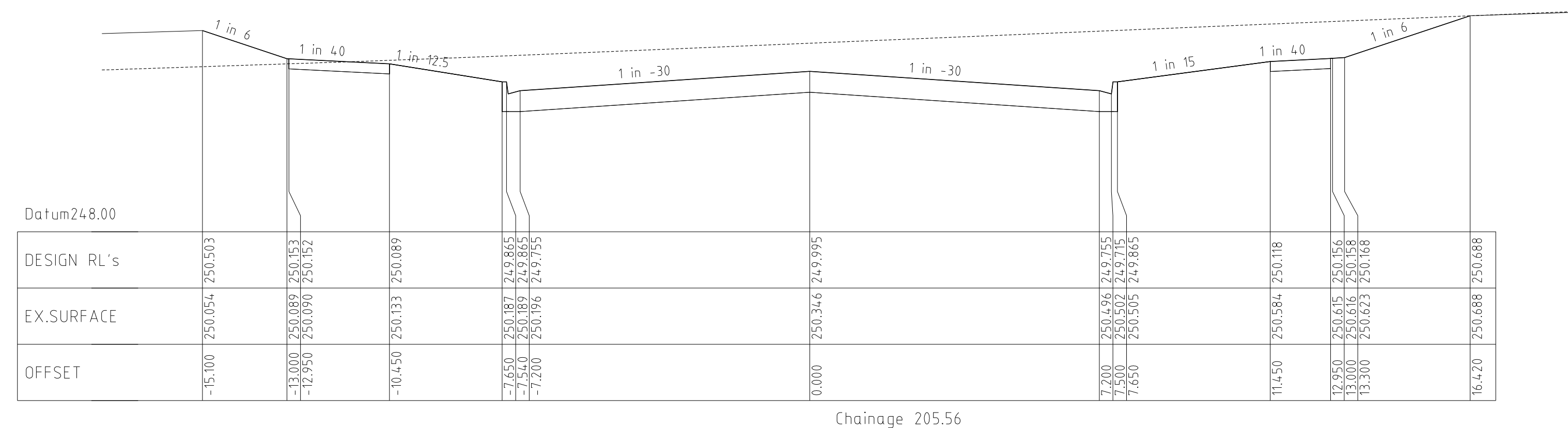
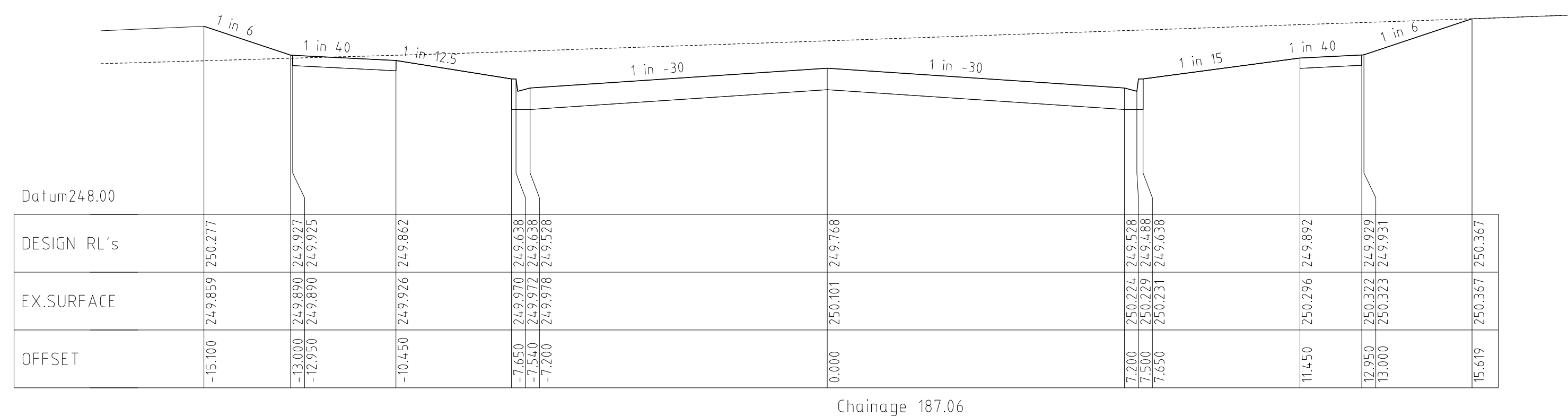
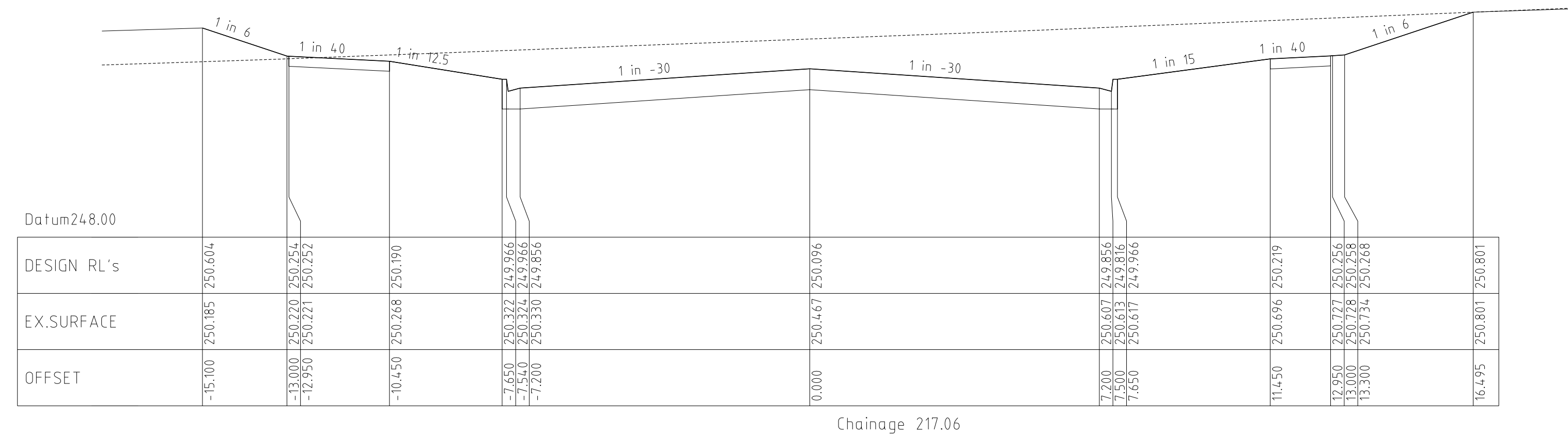
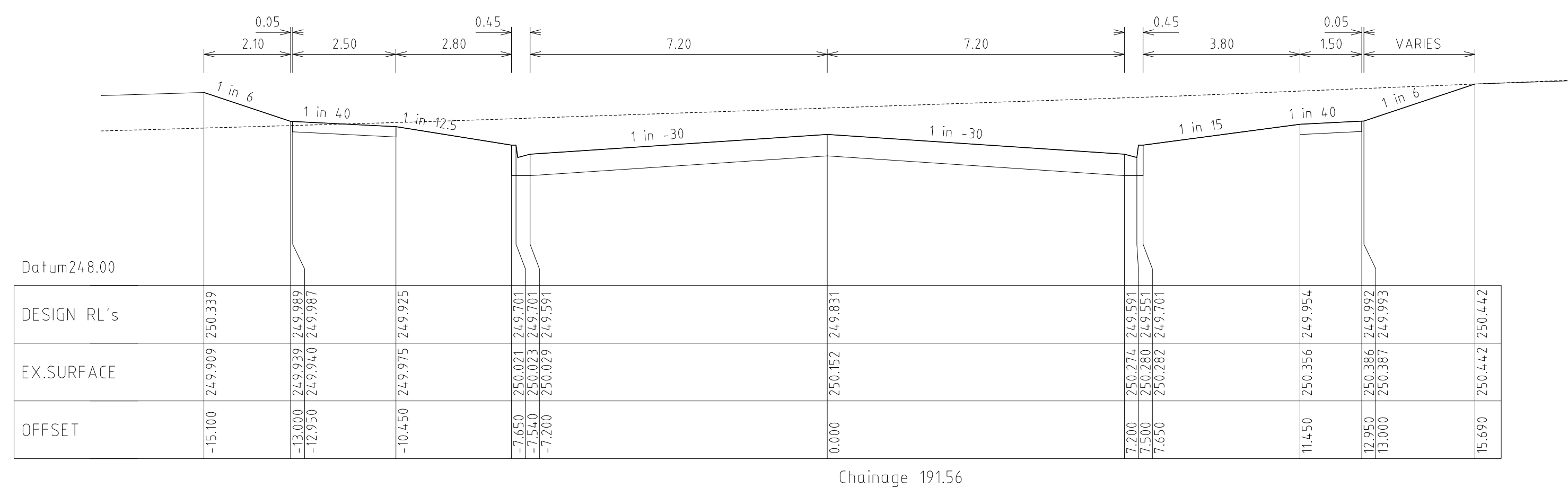
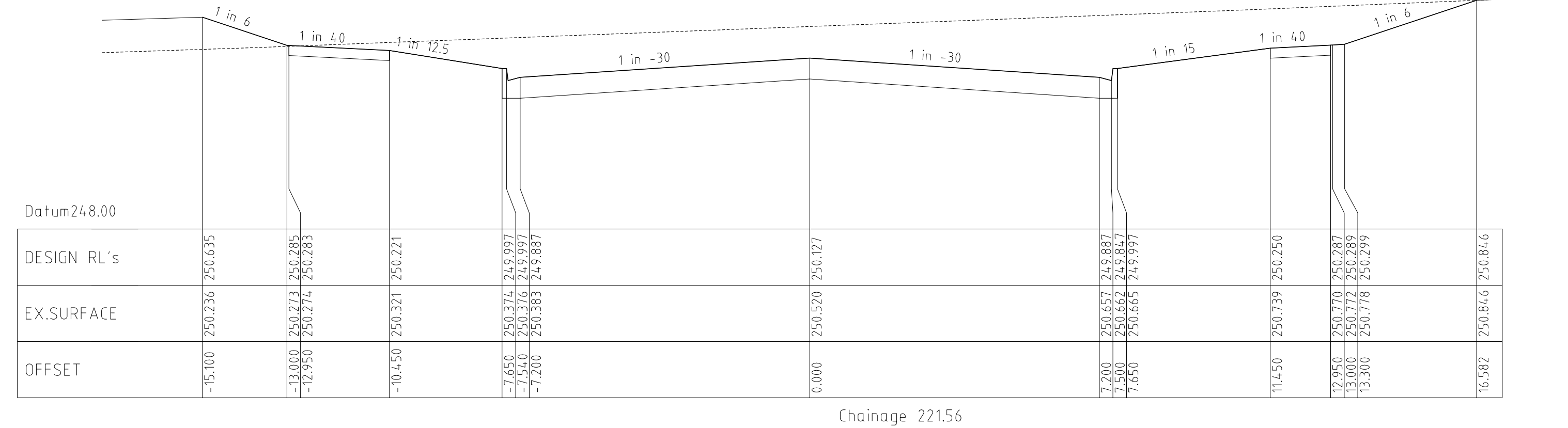
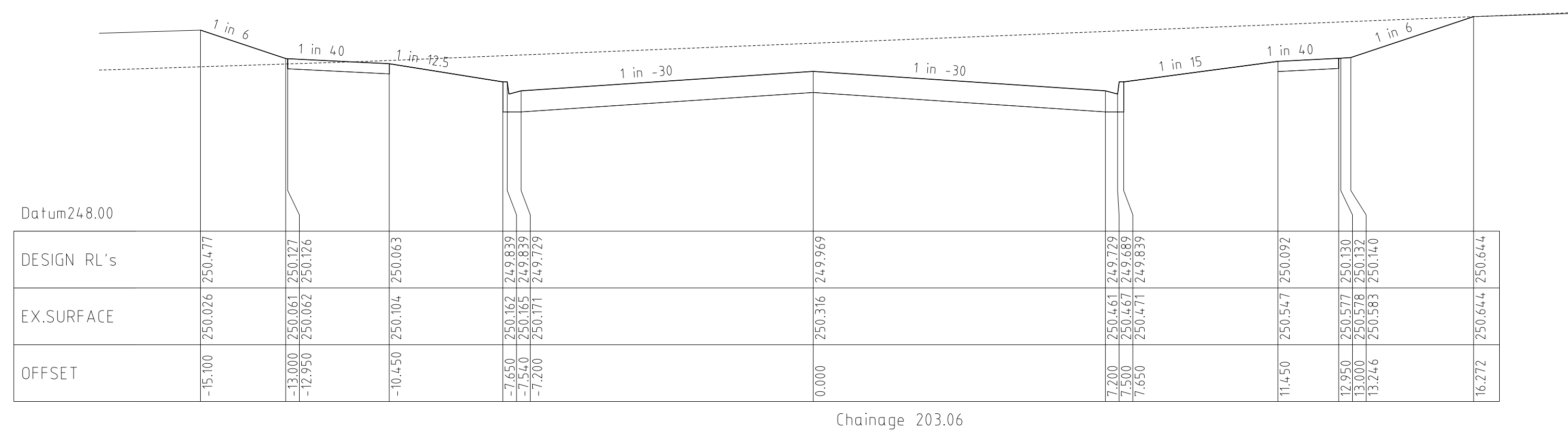
MELBOURNE
The Melbourne, Suite 2
250 St. Kilda Rd.
Phone(03) 9697 8000
Fax(03) 9697 8099

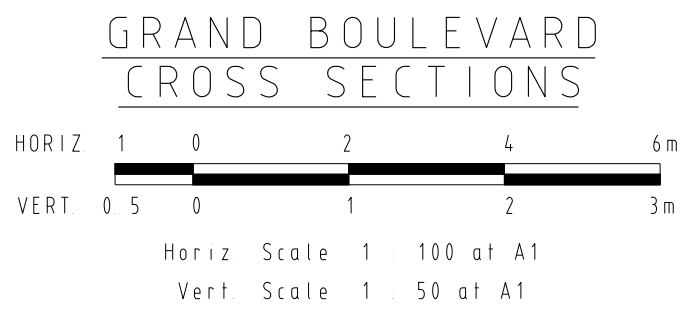
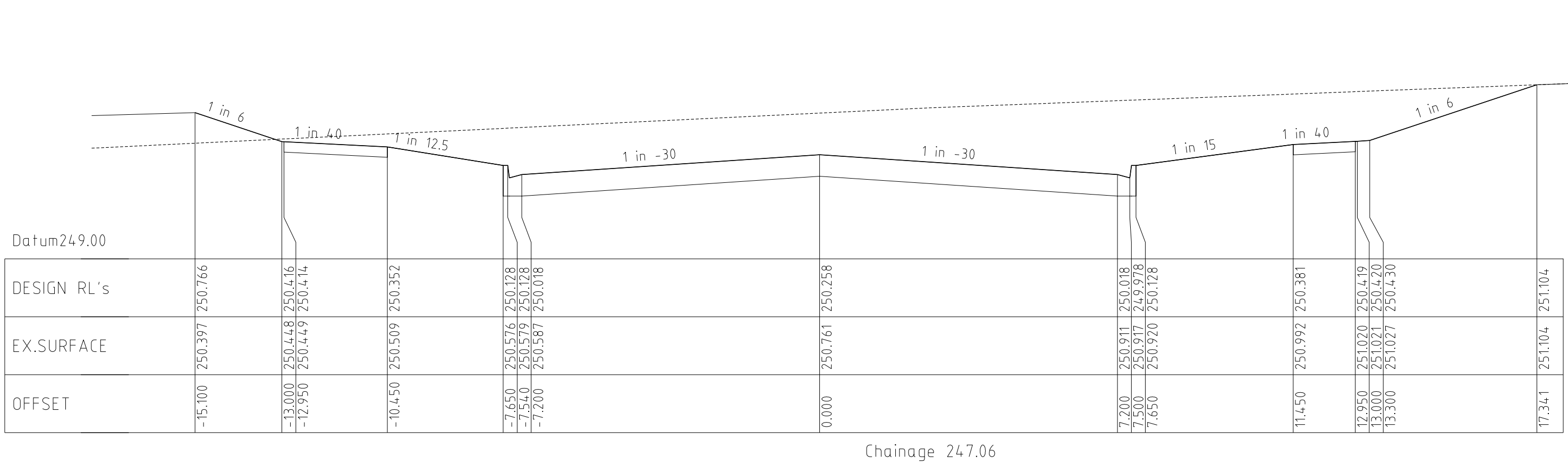
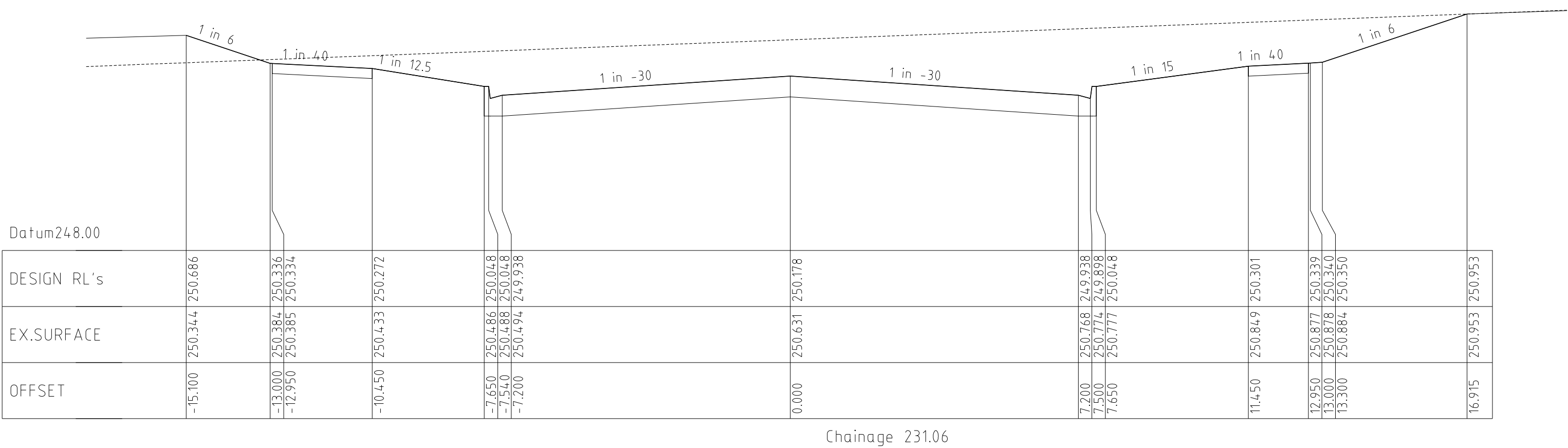
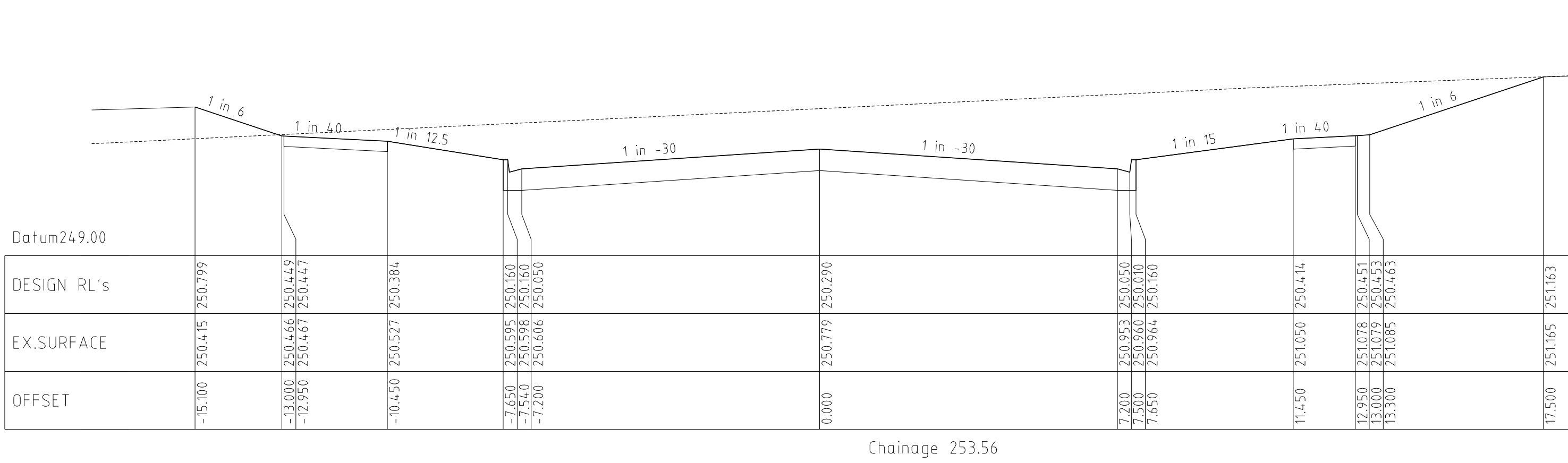
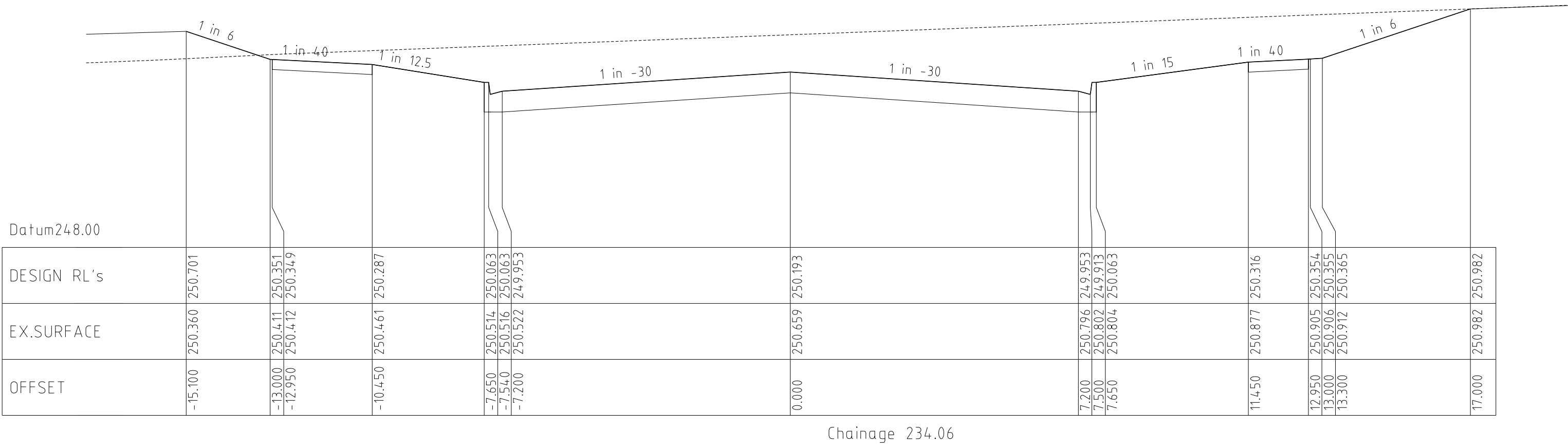
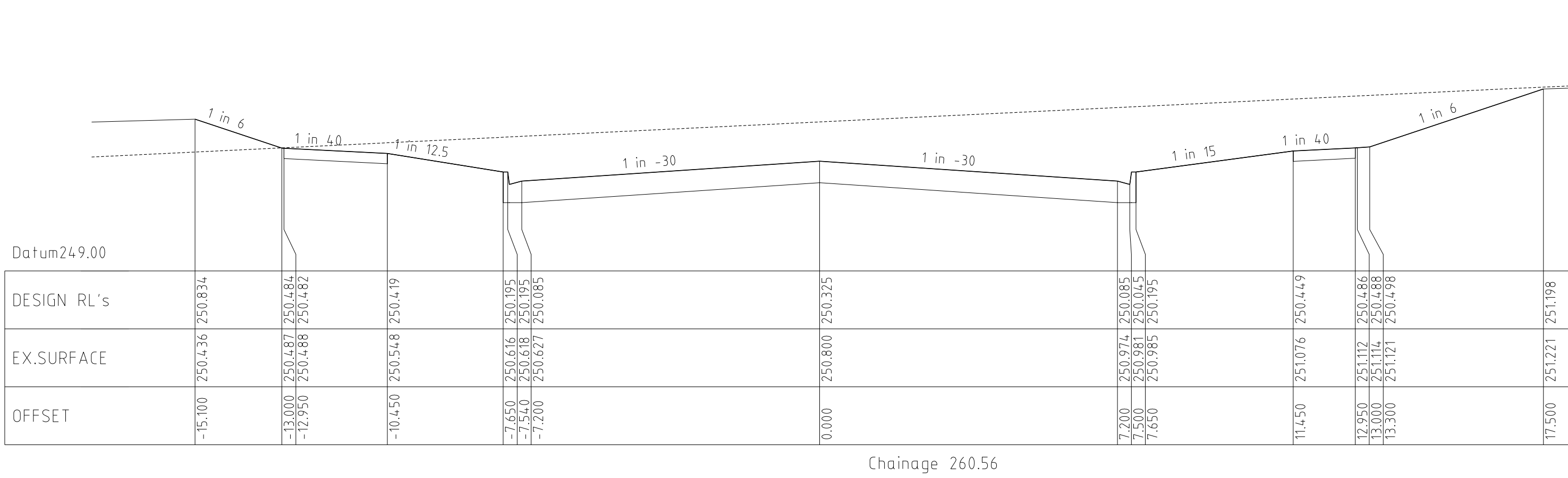
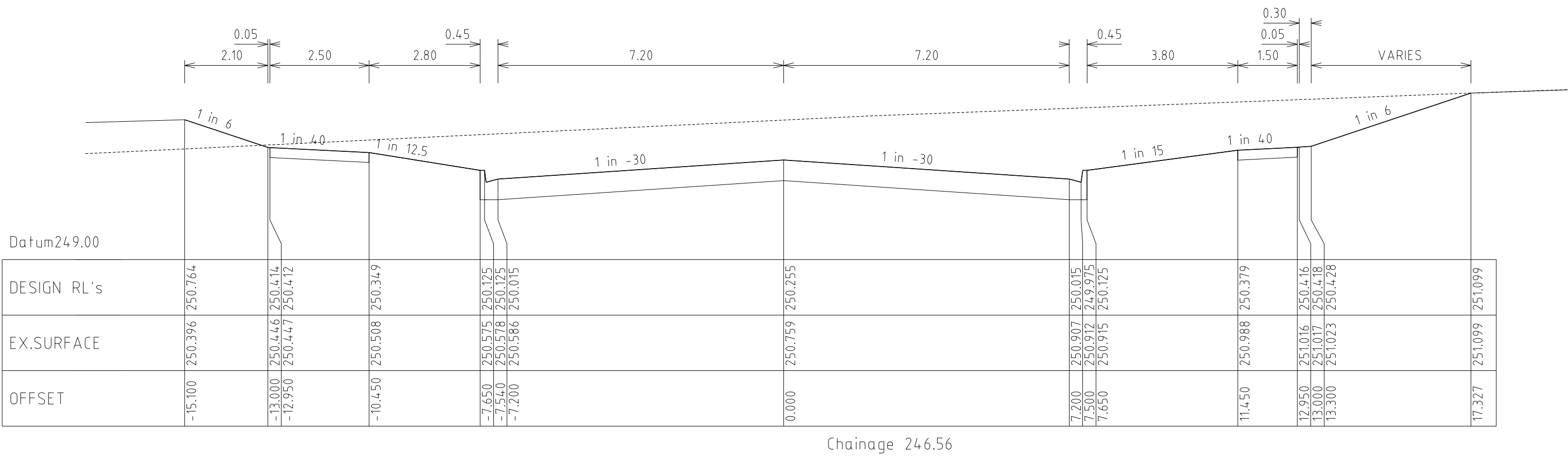
• Project Managers
• Urban Designers
• Structural Engineers




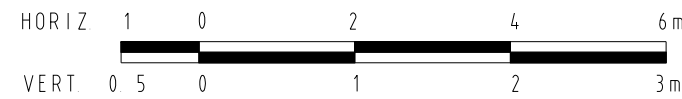
WATSONS
URBAN DEVELOPMENT
CONSULTANTS & MANAGERS
ABN 47 637 509 613


| HUME CITY COUNCIL | | PLAN NUMBER |
|---|--|------------------|
| VILLAWOOD PROPERTIES P/L TRILLIUM - STAGE 7B 535 MOUNT RIDLEY ROAD MICKLEHAM | | 36182/7B R 05 |
| INTERSECTION DETAIL, LIP OF KERB PROFILES & CURVE SETOUT TABLE | | REVISION E |
| | | SHEET 5 OF 27 |

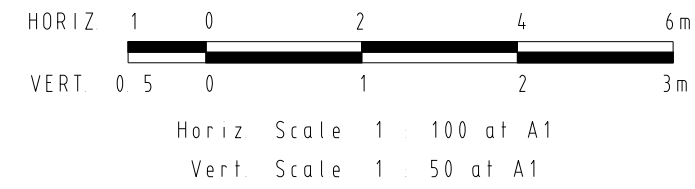





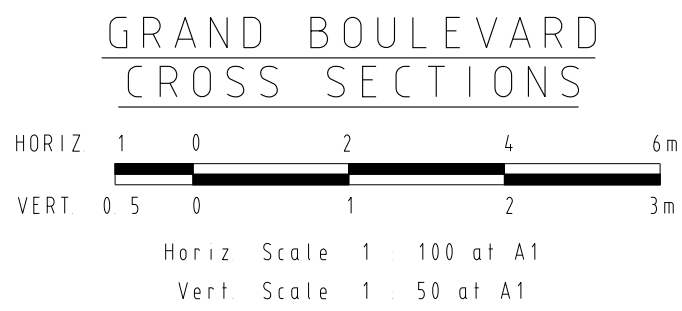
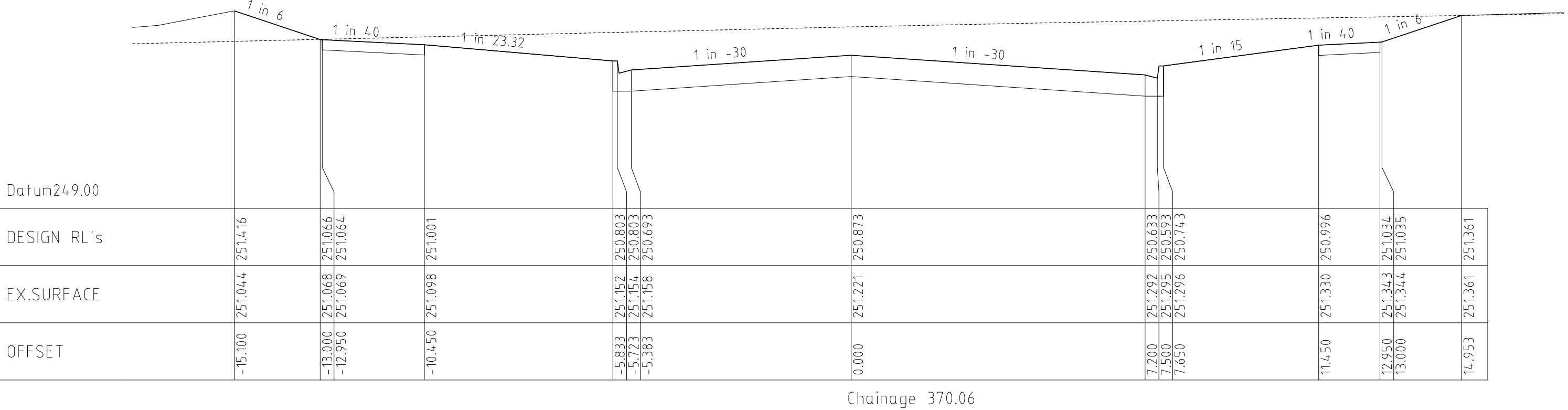
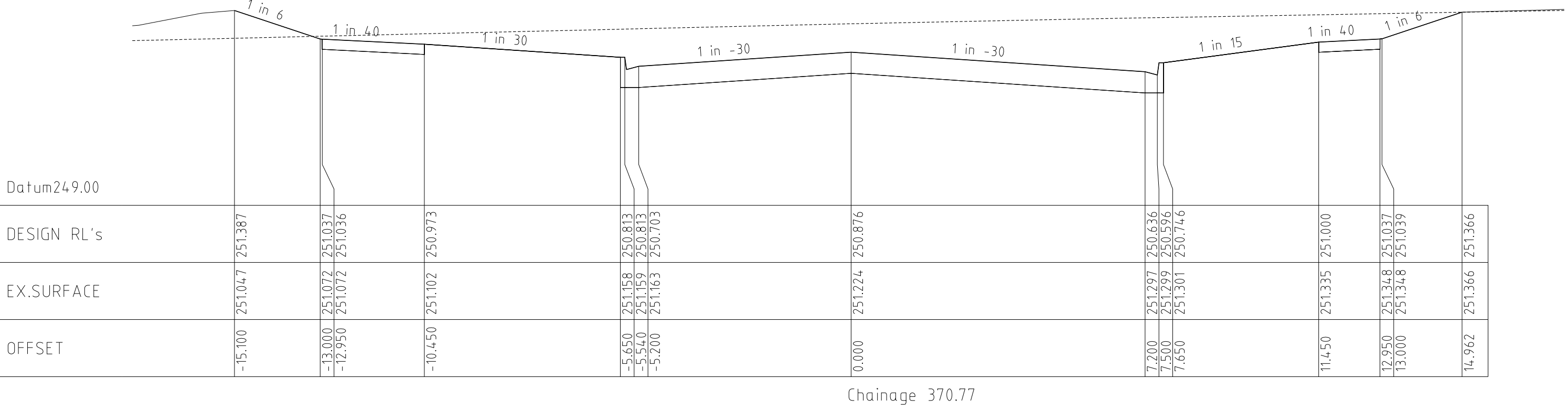
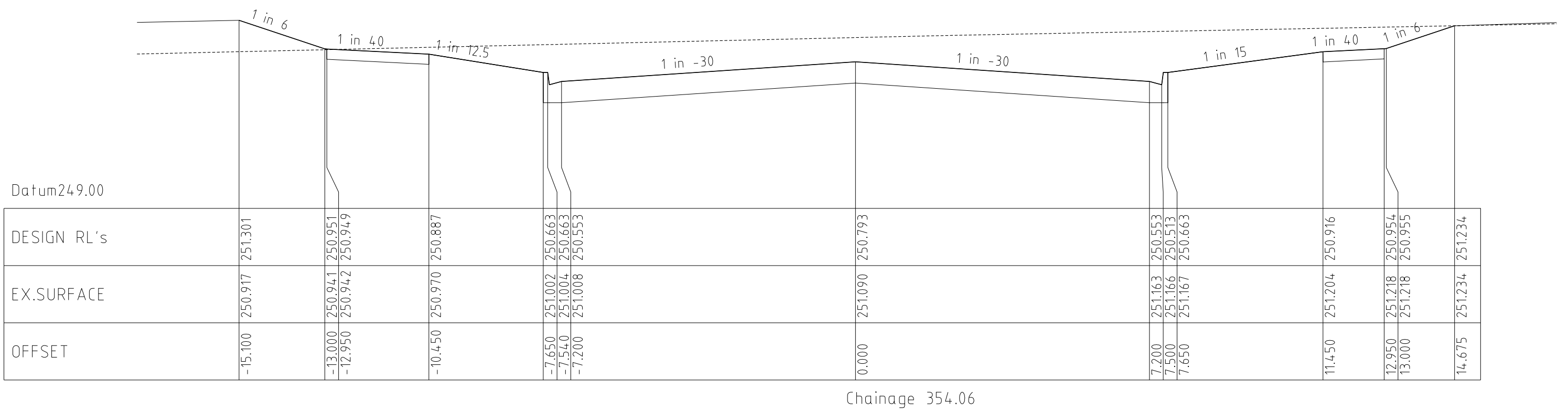
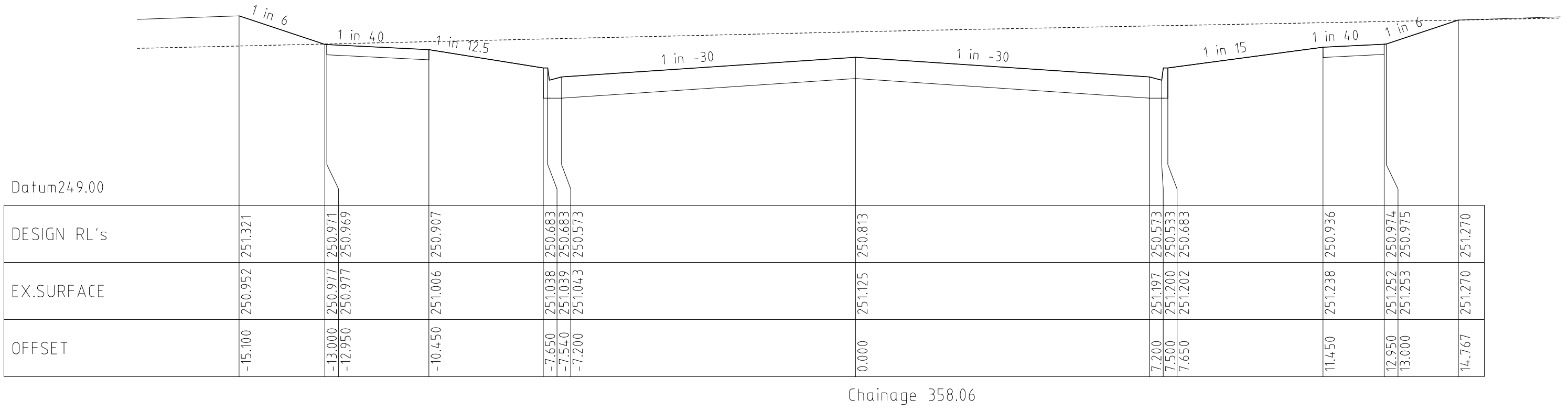
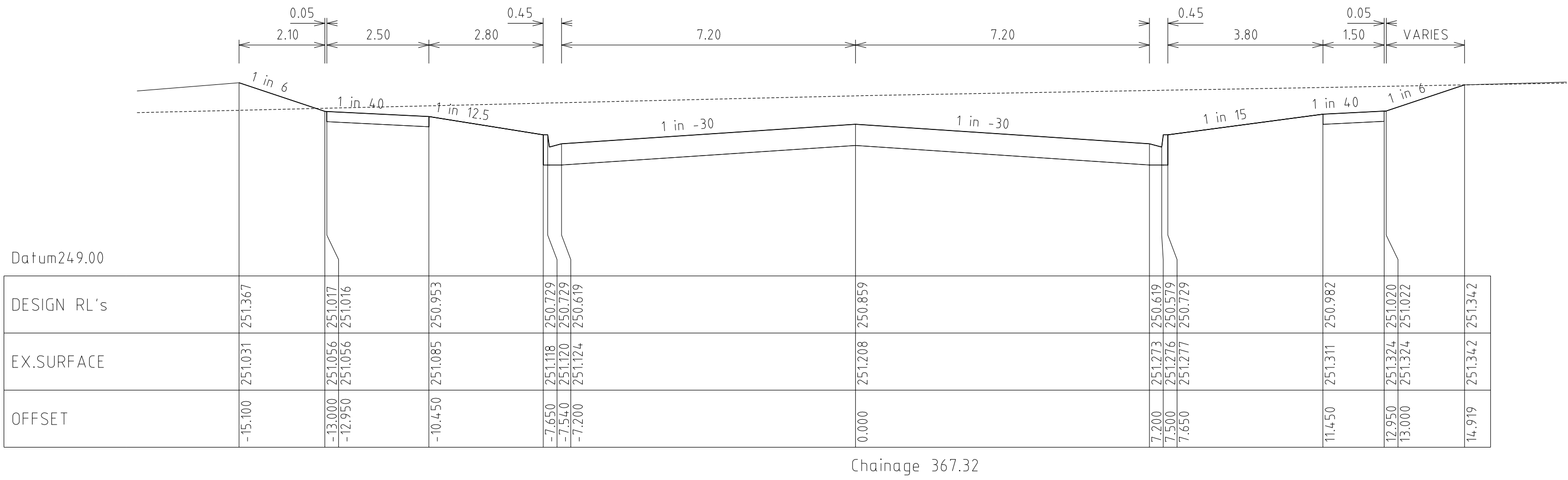
| VERSION DETAILS | | | | | | SCALE: AS SHOWN | | <div><div>MORNINGTON 5 Main Street, Phone:(03) 5975 4644 Fax:(03) 5975 3916</div><div>• TOWN PLANNERS • CIVIL ENGINEERS • SURVEYORS</div><div>MELBOURNE The Melbourne, Suite 2 250 St. Kilda Rd. Phone:(03) 9697 8000 Fax:(03) 9697 8099</div><div><div><div>WATSONS</div><div>URBAN DEVELOPMENT CONSULTANTS & MANAGERS</div><div>ABN 47 637 509 613</div></div></div></div> | | HUME CITY COUNCIL | | PLAN NUMBER |
|---|----------|--------------------|--|-------------------------|------------|-----------------|-----------------------|---|--|---|--|-----------------|
| REVISION | DATE | SHEETS REVISED | DESCRIPTIONS | STATUS | AUTHORISED | DATE PRINTED: | 16/12/2014 | | | VILLAWOOD PROPERTIES P/L TRILLIUM - STAGE 7B 535 MOUNT RIDLEY ROAD MICKLEHAM | | 36182/7B R08 |
| E | 16/12/14 | ALL | - | AS CONSTRUCTED | ZWL | LEVEL DATA: | Ltopo.dgn | | | <div><div>GRAND BOULEVARD CROSS SECTIONS</div></div> | | REVISION E |
| D | 22/09/14 | 4 | LOT 765 CROSSOVER RELOCATED | ISSUED FOR CONSTRUCTION | ASC | DATUM: | AHD | | | | | |
| C | 7/07/14 | 4, 18, 19, 20 & 22 | DRAINAGE PITS 6.3, 11.6 & 23.1 RELOCATED | ISSUED FOR CONSTRUCTION | ASC | PROJECT No.: | 36182/7B | | | | | |
| B | 23/06/14 | 4, 17, 18 & 22 | MW DRAINAGE LINE AMENDED | APPROVED | ASC | DRAWN: | C.M.B. DATE: MAR 2014 | | | | | |
| A | 01/05/14 | ALL | COUNCIL COMMENTS DATED 22/04/14 | PRELIMINARY | ASC | DESIGNED: | Z.W.L. DATE: MAR 2014 | | | | | |
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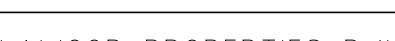
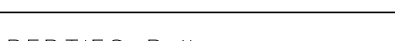


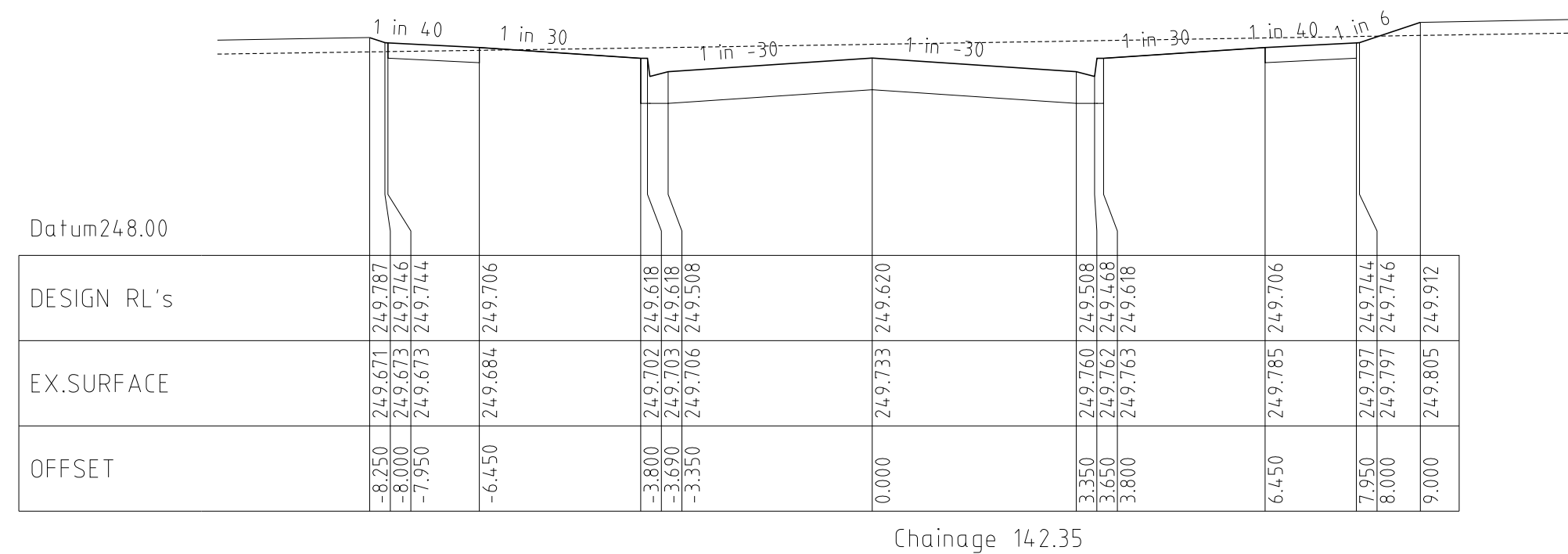
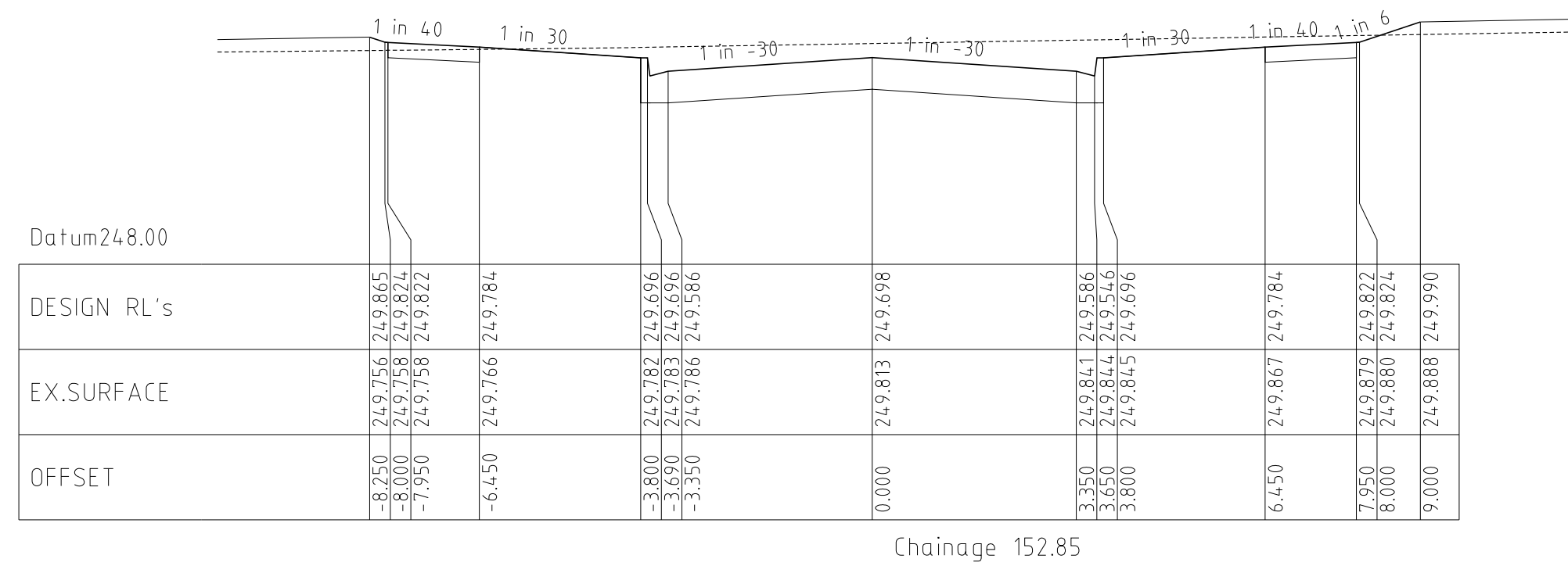
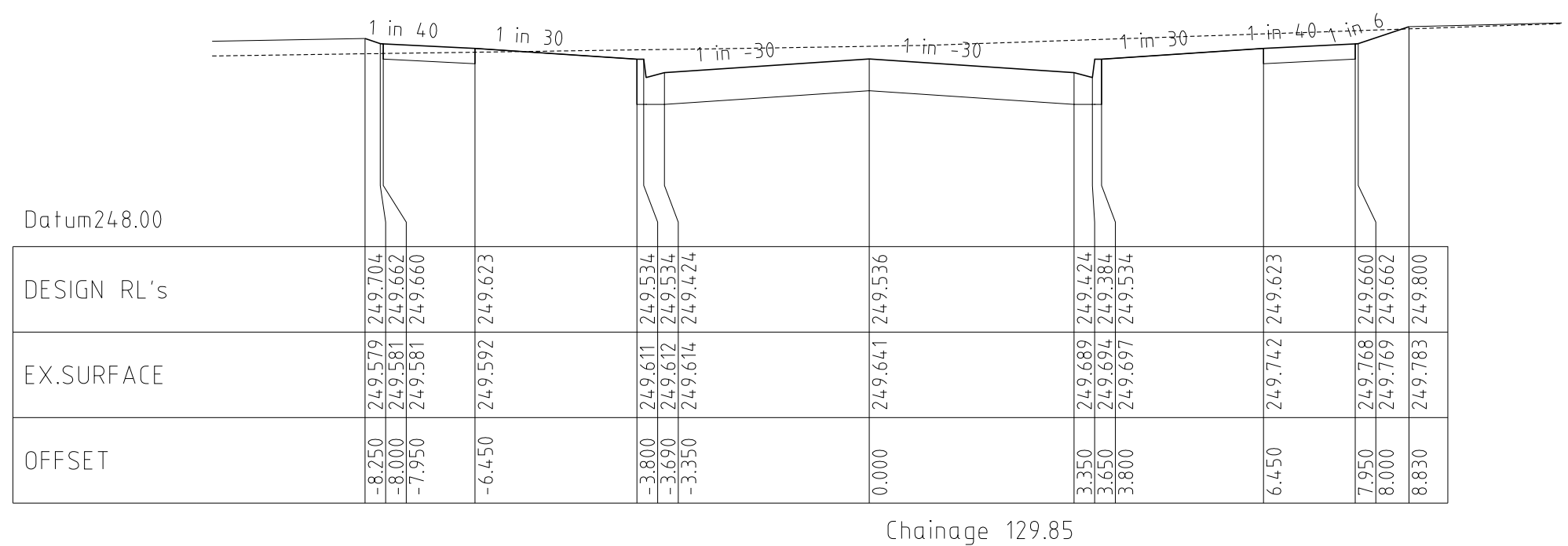
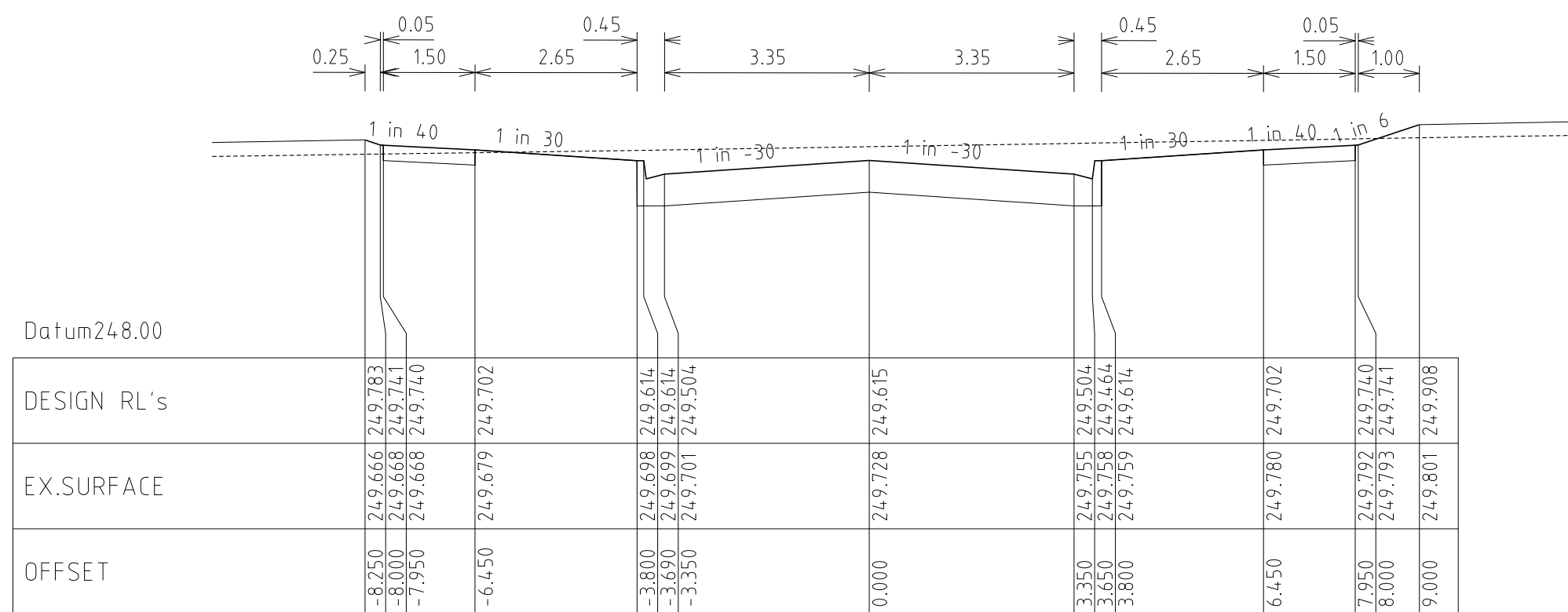
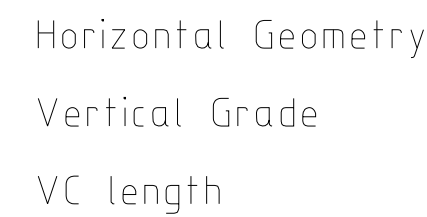
| VERSION DETAILS | | | | | | | SCALE: AS SHOWN | | <div><div><div>HUME CITY COUNCIL</div><div>VILLAWOOD PROPERTIES P/L TRILLIUM - STAGE 7B 535 MOUNT RIDLEY ROAD MICKLEHAM</div><div><div>WATSONS</div><div>URBAN DEVELOPMENT CONSULTANTS & MANAGERS</div><div>ABN 47 637 509 613</div></div></div></div> | | PLAN NUMBER |
|--|----------|--------------------|--|----------------|------------|--|--|---|---|--|-------------|
| REVISION | DATE | SHEETS REVISED | DESCRIPTIONS | STATUS | AUTHORISED | DATE PRINTED: 16/12/2014 | LEVEL DATA: Lfopo.dgn | 36182/7B R09 | | | |
| E | 16/12/14 | ALL | - | AS CONSTRUCTED | ZWL | | MORNINGTON 5 Main Street, Phone(03) 5975 4664 Fax(03) 5975 3916 | <ul style="list-style-type: none">• TOWN PLANNERS• CIVIL ENGINEERS• SURVEYORS | <div>REVISION E</div> <div>SHEET 9 OF 27</div> | | |
| D | 22/09/14 | 4 | LOT 765 CROSSOVER: RELOCATED | ASC | | | | | | | |
| C | 7/07/14 | 4, 18, 19, 20 & 22 | DRAINAGE PITS 6.3, 11.6 & 23.1 RELOCATED | ASC | | PROJECT No.: 36182/7B | MELBOURNE The Melbourne, Suite 2 250 St. Kilda Rd. Phone(03) 9697 8000 Fax(03) 9697 8099 | <ul style="list-style-type: none">• Project Managers• Urban Designers• Structural Engineers | | | |
| B | 23/06/14 | 4, 17, 18 & 22 | MW DRAINAGE LINE AMENDED | APPROVED | ASC | DRAWN: C.M.B. DATE: MAR 2014 | | | | | |
| A | 01/05/14 | ALL | COUNCIL COMMENTS DATED 22/04/14 | PRELIMINARY | ASC | DESIGNED: Z.W.L. DATE: MAR 2014 AUTHORISED: A.S.C. DATE: MAR 2014 | | | | | |
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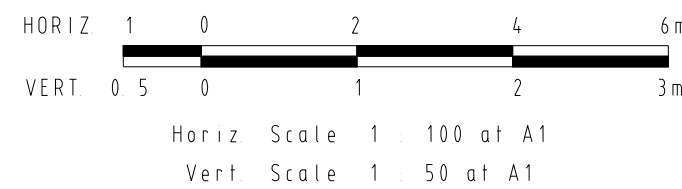
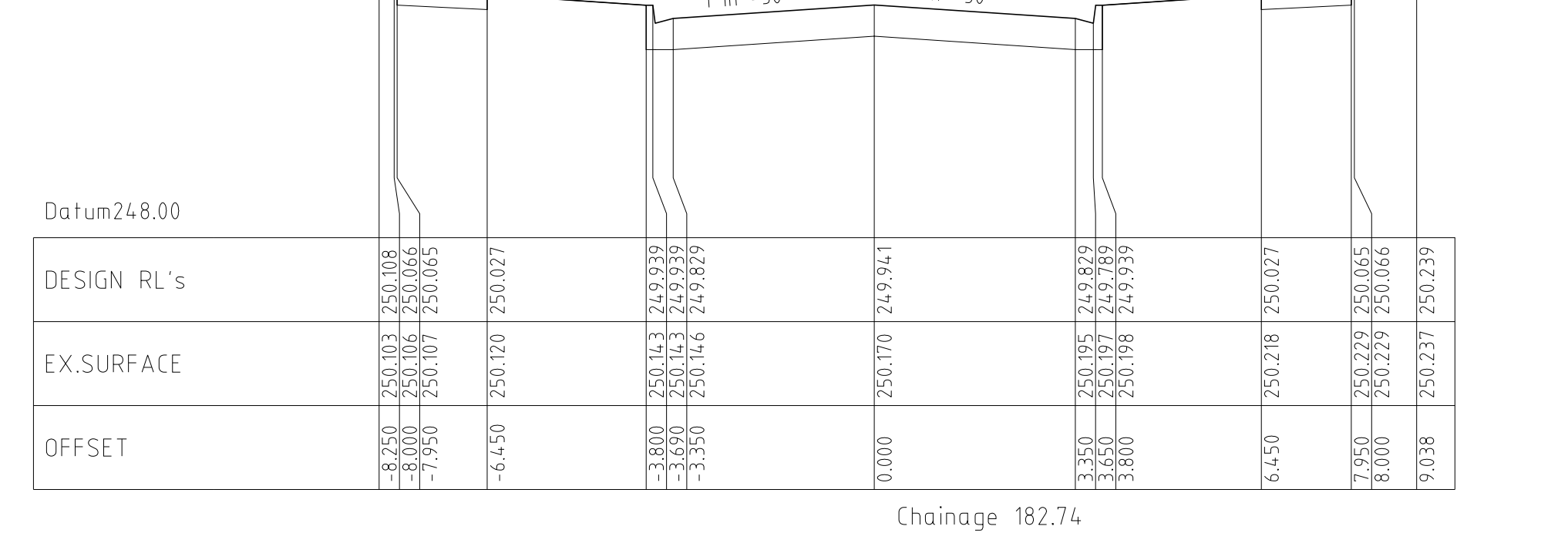
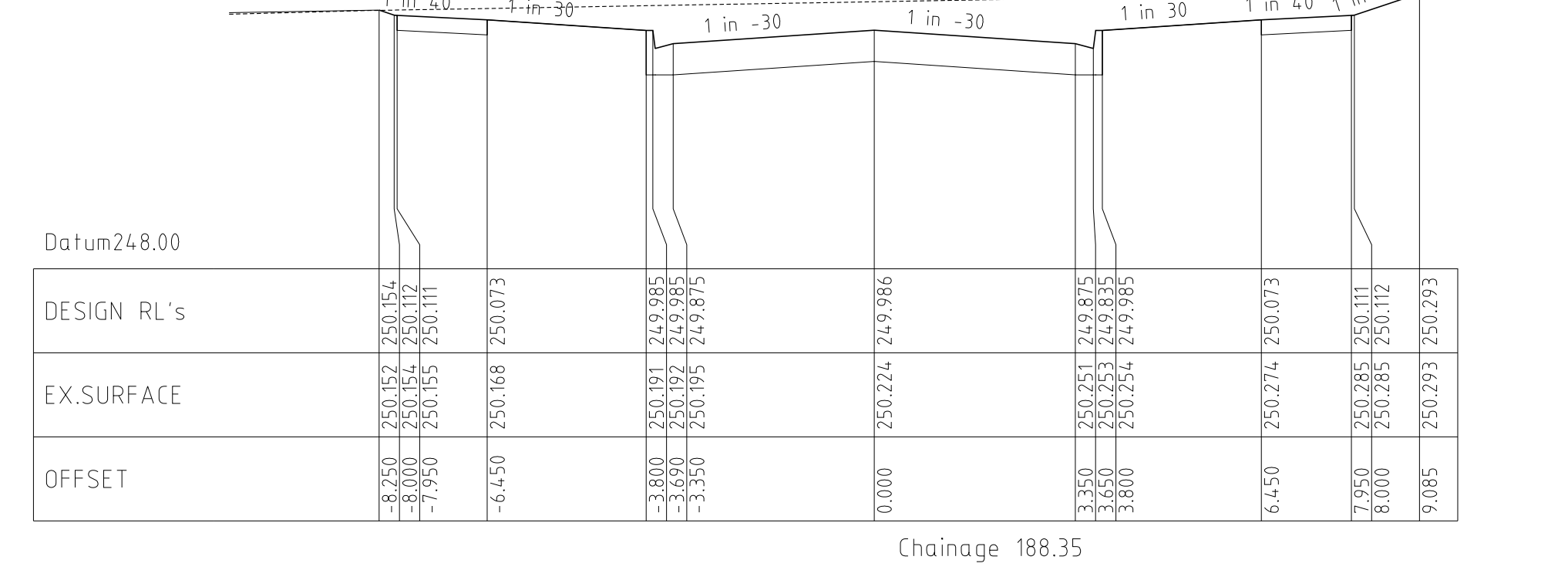
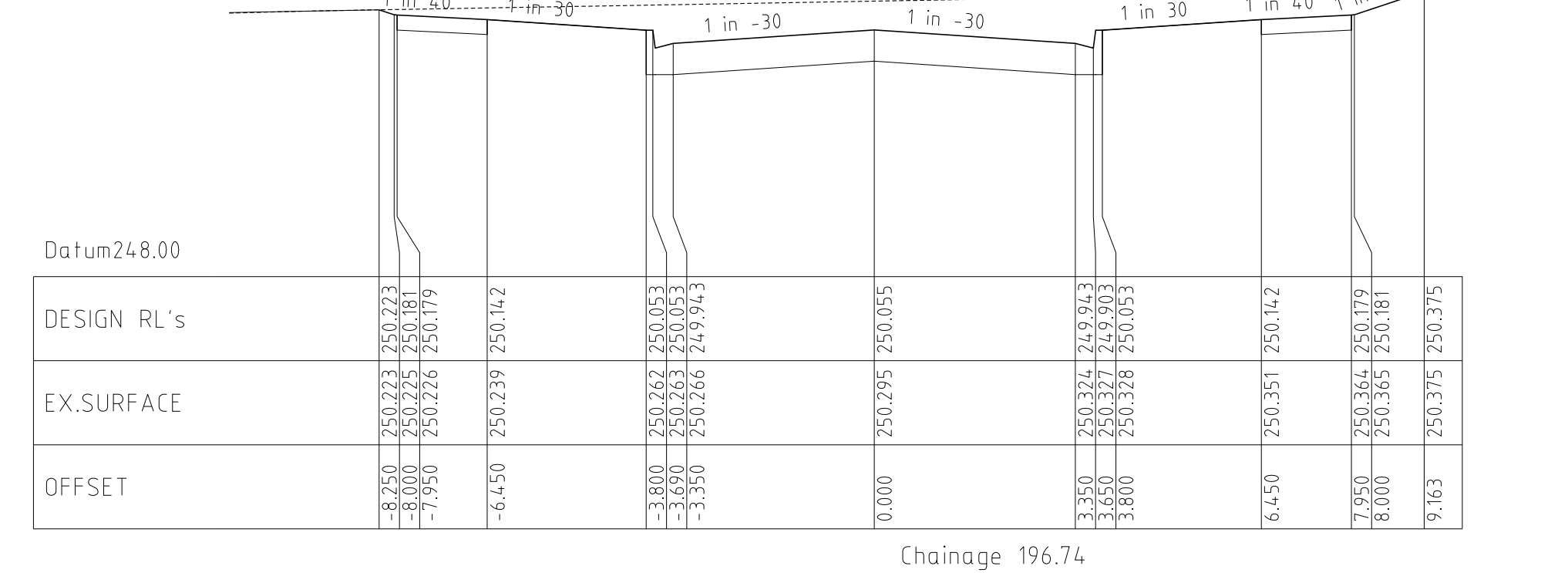
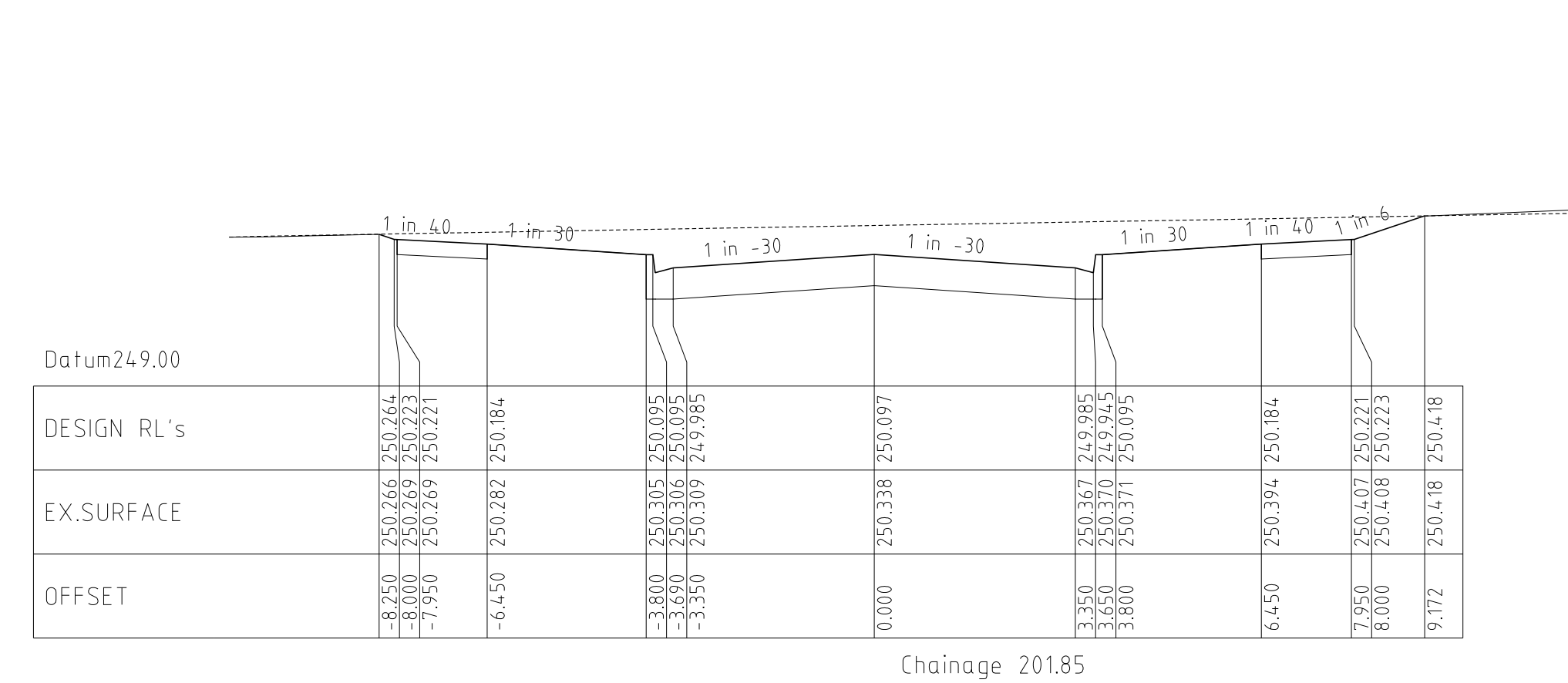
| VERSION DETAILS | | | | | | SCALE: AS SHOWN | | <div><div><div><div>MORNINGTON 5 Main Street, Phone:(03) 5975 4644 Fax:(03) 5975 3916</div><div><ul style="list-style-type: none">• TOWN PLANNERS• CIVIL ENGINEERS• SURVEYORS</div></div><div><div>MELBOURNE The Melbourne, Suite 2 250 St. Kilda Rd. Phone:(03) 9697 8000 Fax:(03) 9697 8099</div><div><ul style="list-style-type: none">• Urban Designers• Structural Engineers</div></div><div><div>WATSONS URBAN DEVELOPMENT CONSULTANTS & MANAGERS</div><div>ABN 14 637 509 613</div></div></div></div> | | HUME CITY COUNCIL | | PLAN NUMBER | | | | |
|--|----------|--------------------|--|-------------------------|------------|--------------------------|------------------------|---|--|-------------------|-----------------------|------------------------------|---------------------------------|-----------------------------------|---|------------------|
| REVISION | DATE | SHEETS REVISED | DESCRIPTIONS | STATUS | AUTHORISED | DATE PRINTED: 16/12/2014 | LEVEL DATA: L1topo.dgn | | | DATUM: AHD | PROJECT No.: 36182/7B | DRAWN: C.M.B. DATE: MAR 2014 | DESIGNED: Z.W.L. DATE: MAR 2014 | AUTHORISED: A.S.C. DATE: MAR 2014 | VILLAWOOD PROPERTIES P/L TRILLIUM - STAGE 7B 535 MOUNT RIDLEY ROAD MICKLEHAM | 36182/7B R 10 |
| E | 16/12/14 | ALL | - | AS CONSTRUCTED | ZWL | | | | | | | | | | | |
| D | 22/09/14 | 4 | LOT 765 CROSSOVER RELOCATED | ISSUED FOR CONSTRUCTION | ASC | | | | | | | | | | | |
| C | 7/07/14 | 4, 18, 19, 20 & 22 | DRAINAGE PITS 6.3, 11.6 & 23.1 RELOCATED | ISSUED FOR CONSTRUCTION | ASC | | | | | | | | | | | |
| B | 23/06/14 | 4, 17, 18 & 22 | HW DRAINAGE LINE AMENDED | APPROVED | ASC | | | | | | | | | | | |
| A | 01/05/14 | ALL | COUNCIL COMMENTS DATED 22/04/14 | PRELIMINARY | ASC | | | | | | | | | | | |
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| VERSION DETAILS | | | | | | SCALE: AS SHOWN | |  WATSONS URBAN DEVELOPMENT CONSULTANTS & MANAGERS ABN 47 637 509 613 | HUME CITY COUNCIL | | PLAN NUMBER |
|---|----------|--------------------|--|-------------------------|------------|-----------------------------------|--|--|--|------------------|-------------|
| REVISION | DATE | SHEETS REVISED | DESCRIPTIONS | STATUS | AUTHORISED | DATE PRINTED: 16/12/2014 | MORNINGTON 5 Main Street, Phone(03) 5975 4644 Fax(03) 5975 3916 | |  VILLAWOOD PROPERTIES P/L TRILLIUM - STAGE 7B 535 MOUNT RIDLEY ROAD MICKLEHAM | 36182/7B R 11 | |
| E | 16/12/14 | ALL | - | AS CONSTRUCTED | ZWL | LEVEL DATA: L1topo.dgn | • TOWN PLANNERS • CIVIL ENGINEERS • SURVEYORS | | | | |
| D | 22/09/14 | 4 | LOT 765 CROSSOVER RELOCATED | ISSUED FOR CONSTRUCTION | ASC | DATUM: AHD | • Project Managers • Urban Designers • Structural Engineers | | | | |
| C | 7/07/14 | 4, 18, 19, 20 & 22 | DRAINAGE PITS 6.3, 11.6 & 23.1 RELOCATED | ISSUED FOR CONSTRUCTION | ASC | PROJECT No.: 36182/7B |  GRAND BOULEVARD CROSS SECTIONS | | | | |
| B | 23/06/14 | 4, 17, 18 & 22 | MW DRAINAGE LINE AMENDED | APPROVED | ASC | DRAWN: C.M.B. DATE: MAR 2014 | | | | | REVISION E |
| A | 01/05/14 | ALL | COUNCIL COMMENTS DATED 22/04/14 | PRELIMINARY | ASC | DESIGNED: Z.W.L. DATE: MAR 2014 | | | | | |
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| VERSION DETAILS | | | | | | SCALE: AS SHOWN | | | | HUME CITY COUNCIL | | PLAN NUMBER |
|---|----------|--------------------|---|-------------------------|------------|-----------------|-----------------------|--|---|--|---|------------------|
| REVISION | DATE | SHEETS REVISED | DESCRIPTIONS | STATUS | AUTHORISED | DATE PRINTED: | 16/12/2014 | MORNINGTON 5 Main Street, Phone:(03) 5975 4644 Fax:(03) 5975 3916 | • TOWN PLANNERS • CIVIL ENGINEERS • SURVEYORS |  WATSONS URBAN DEVELOPMENT CONSULTANTS & MANAGERS ABN 47 637 509 613 | VILLAWOOD PROPERTIES P/L TRILLIUM - STAGE 7B 535 MOUNT RIDLEY ROAD MICKLEHAM | 36182/7B R 12 |
| E | 16/12/14 | ALL | - | AS CONSTRUCTED | ZWL | LEVEL DATA: | Ltopo.dgn | | | | REVISION | E |
| D | 22/09/14 | 4 | LOT 765 CROSSOVER RELOCATED | ISSUED FOR CONSTRUCTION | ASC | DATUM: | AHD | | | | SHEET | 12 OF 27 |
| C | 7/07/14 | 4, 18, 19, 20 & 22 | DRAINAGE PIT'S 6.3, 11.6 & 23.1 RELOCATED | ISSUED FOR CONSTRUCTION | ASC | PROJECT No.: | 36182/7B | MELBOURNE The Melbourne, Suite 2 250 St. Kilda Rd. Phone:(03) 9697 8000 Fax:(03) 9697 8099 | • Project Managers • Urban Designers • Structural Engineers | | | |
| B | 23/06/14 | 4, 17, 18 & 22 | MW DRAINAGE LINE AMENDED | APPROVED | ASC | DRAWN: | C.M.B. DATE: MAR 2014 | | | | | |
| A | 01/05/14 | ALL | COUNCIL COMMENTS DATED 22/04/14 | PRELIMINARY | ASC | DESIGNED: | Z.W.L. DATE: MAR 2014 | | | | ABLOOM VIEW LONGITUDINAL & CROSS SECTIONS | |
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| VERSION DETAILS | | | | | | SCALE: AS SHOWN | | <div><div>WATSONS</div><div>URBAN DEVELOPMENT CONSULTANTS & MANAGERS</div><div>ABN 47 637 509 613</div></div> | HUME CITY COUNCIL | | PLAN NUMBER | |
|--|----------|--------------------|--|-------------------------|------------|------------------------------|---------------------------------|--|--|---|---|------------------|
| REVISION | DATE | SHEETS REVISED | DESCRIPTIONS | STATUS | AUTHORISED | DATE PRINTED: 16/12/2014 | LEVEL DATA: Ltopo.dgn | | MORNINGTON 5 Main Street, Phone:03) 5975 4644 Fax:03) 5975 3916 | <div><div>TOWN PLANNERS</div><div>CIVIL ENGINEERS</div><div>SURVEYORS</div></div> | VILLAWOOD PROPERTIES P/L TRILLIUM - STAGE 7B 535 MOUNT RIDLEY ROAD MICKLEHAM | 36182/7B R 13 |
| E | 16/12/14 | ALL | - | AS CONSTRUCTED | ZWL | DATUM: AHD | PROJECT No: 36182/7B | | MELBOURNE The Melbourne, Suite 2 250 St. Kilda Rd. Phone:03) 9697 8000 Fax:03) 9697 8099 | <div><div>Project Managers</div><div>Urban Designers</div><div>Structural Engineers</div></div> | ABLOOM VIEW CROSS SECTIONS | REVISION E |
| D | 22/09/14 | 4 | LOT 765 CROSSOVER RELOCATED | ISSUED FOR CONSTRUCTION | ASC | DRAWN: C.M.B. DATE: MAR 2014 | DESIGNED: Z.W.L. DATE: MAR 2014 | | AUTHORISED: A.S.C. DATE: MAR 2014 | | | SHEET 13 OF 27 |
| C | 7/07/14 | 4, 18, 19, 20 & 22 | DRAINAGE PITS 6.3, 11.6 & 23.1 RELOCATED | ISSUED FOR CONSTRUCTION | ASC | | | | | | | |
| B | 23/06/14 | 4, 17, 18 & 22 | MW DRAINAGE LINE AMENDED | APPROVED | ASC | | | | | | | |
| A | 01/05/14 | ALL | COUNCIL COMMENTS DATED 22/04/14 | PRELIMINARY | ASC | | | | | | | |
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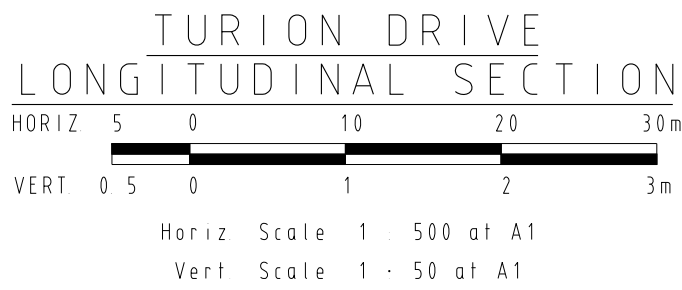
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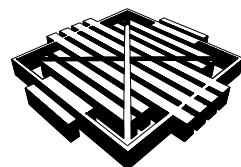
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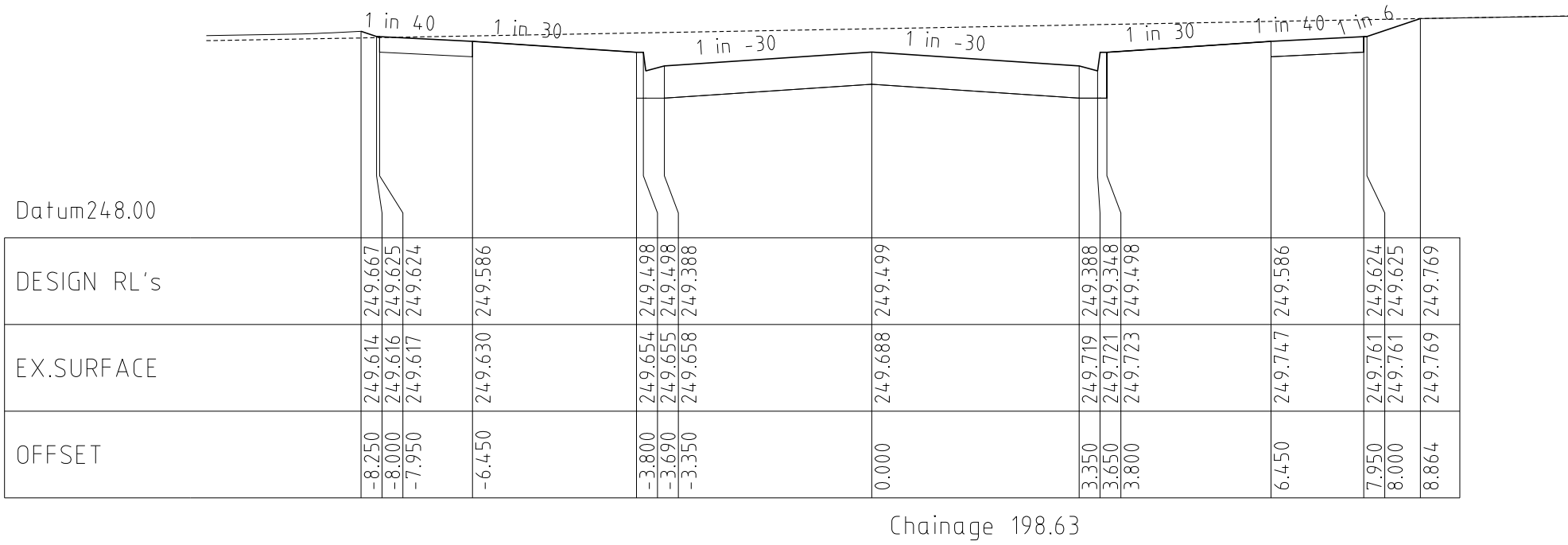
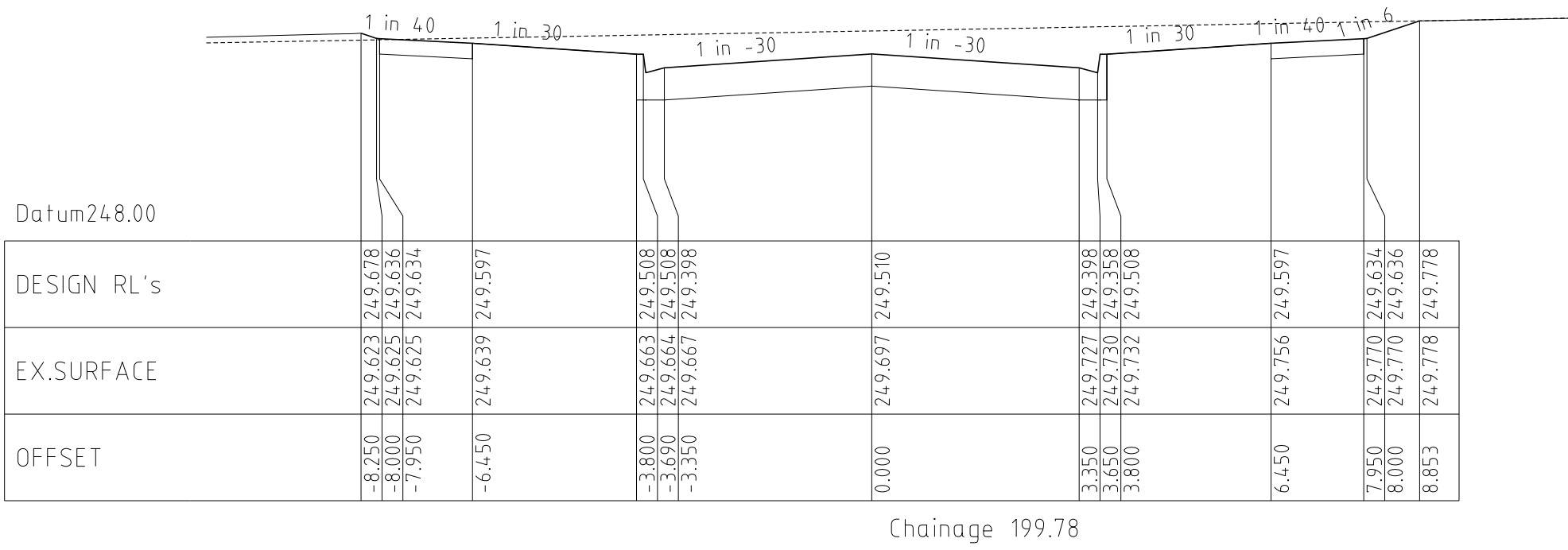
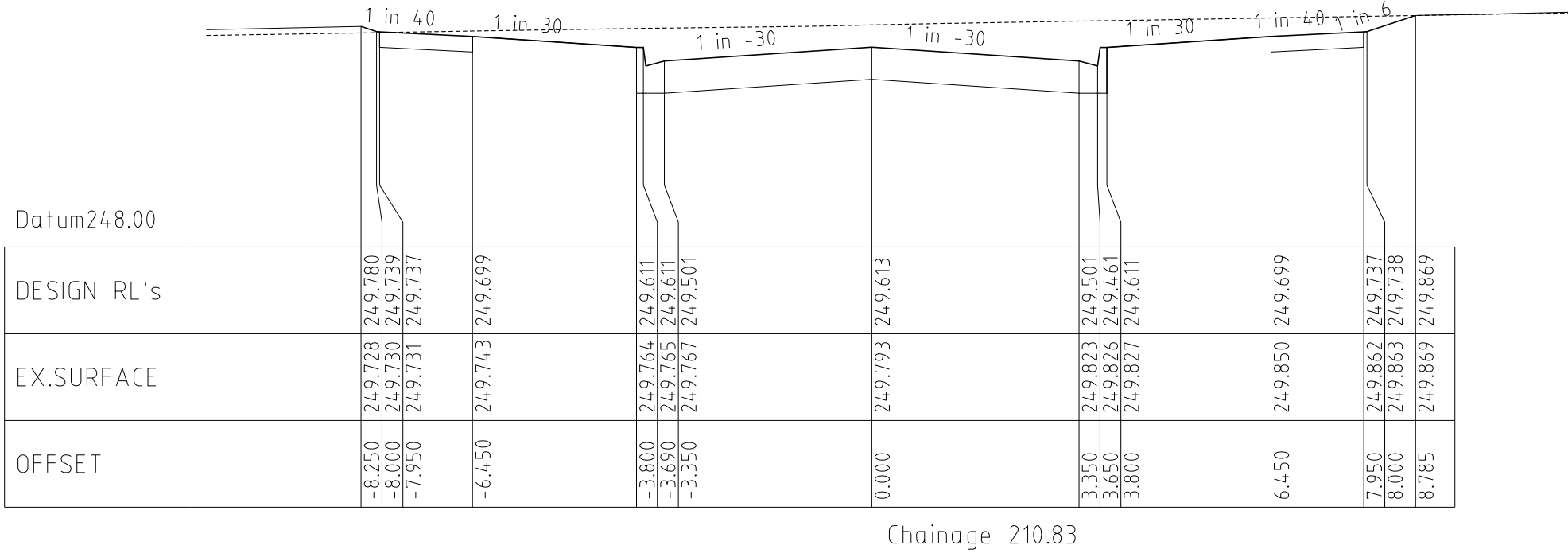
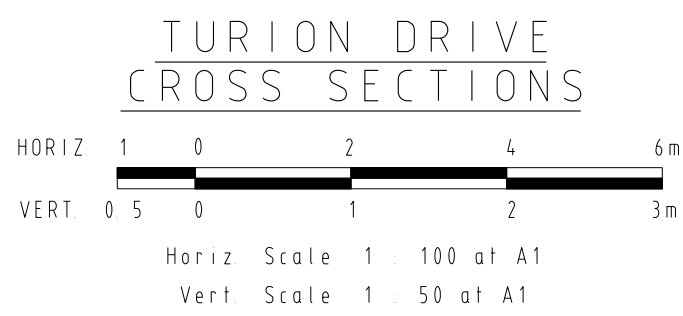
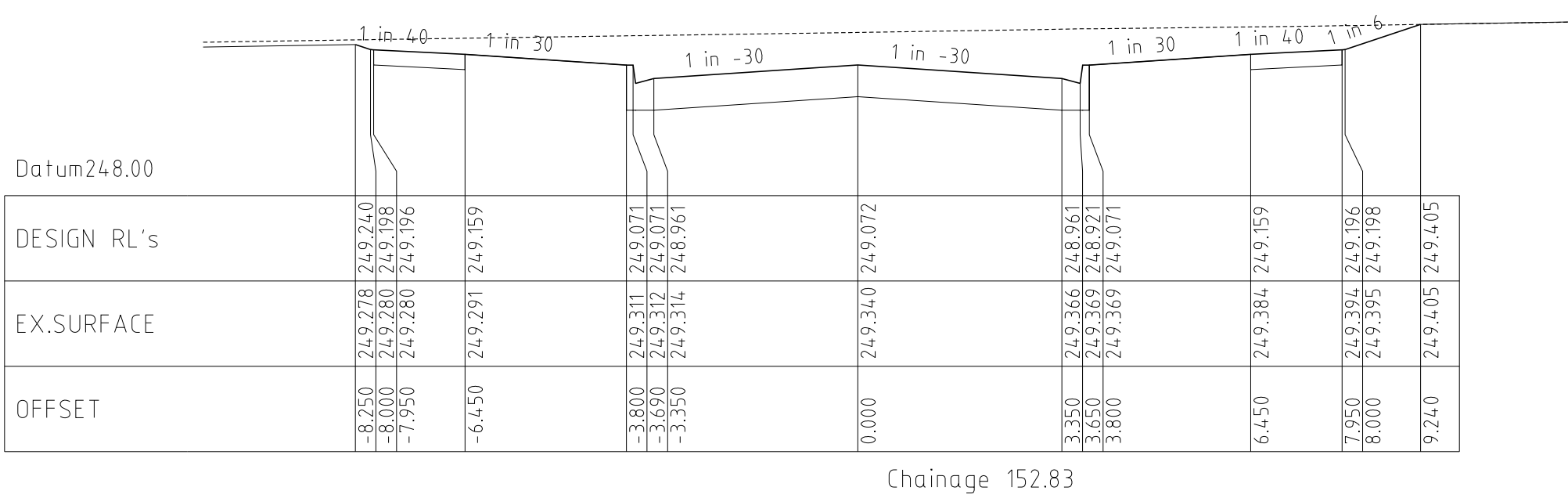
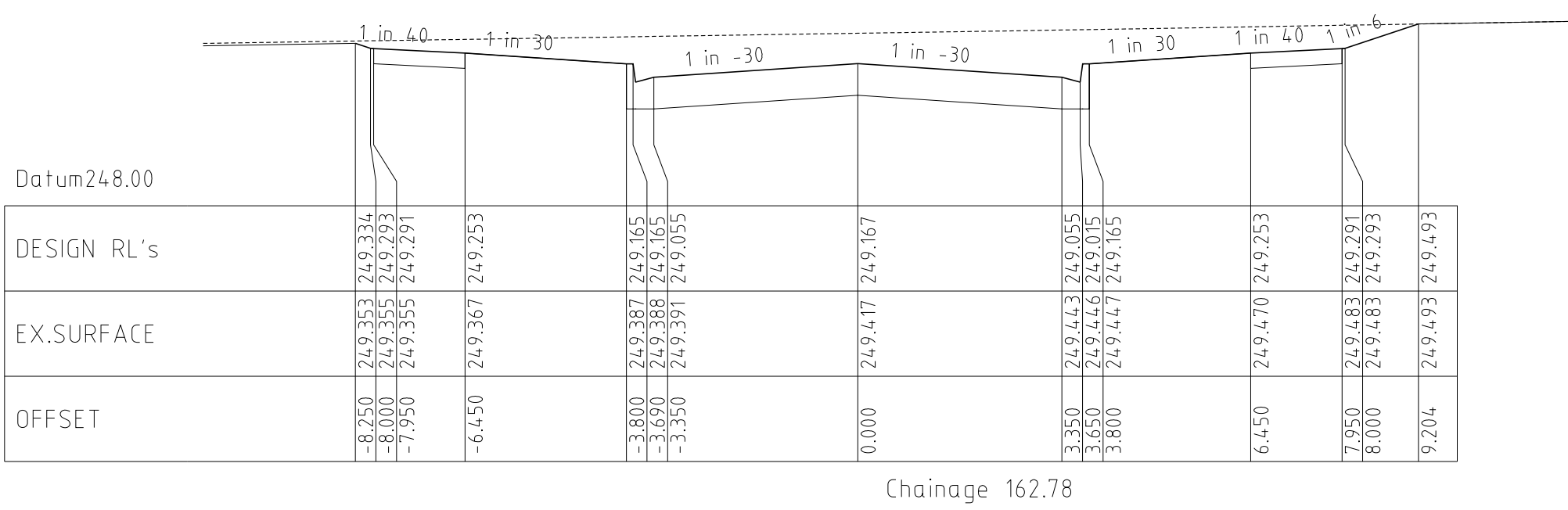
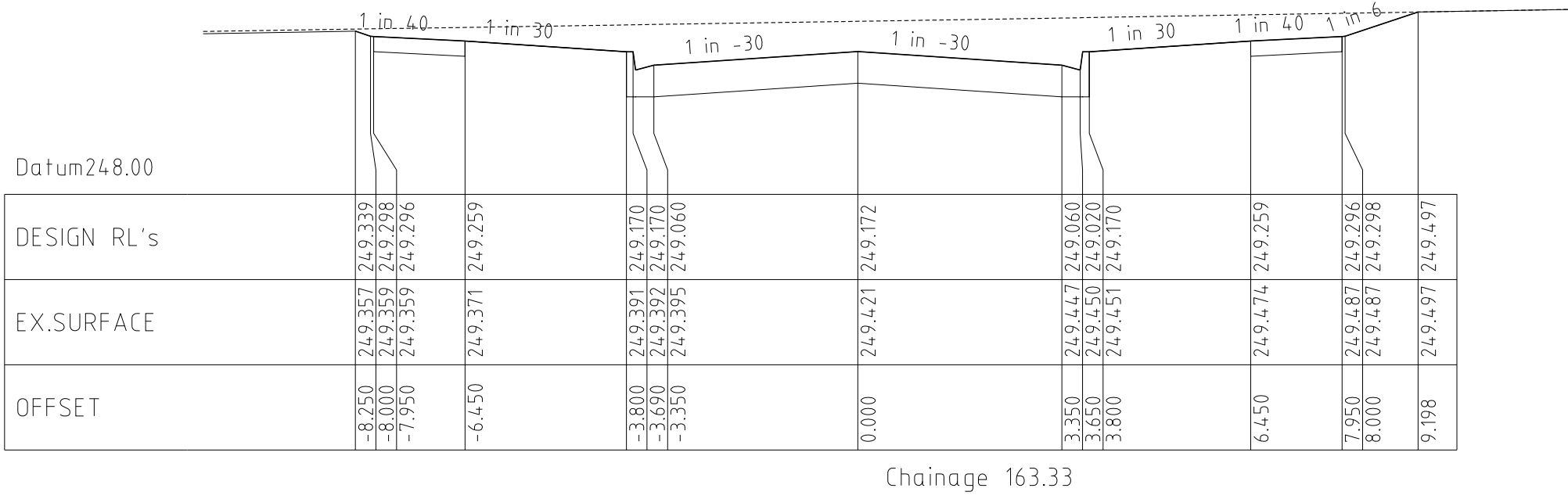
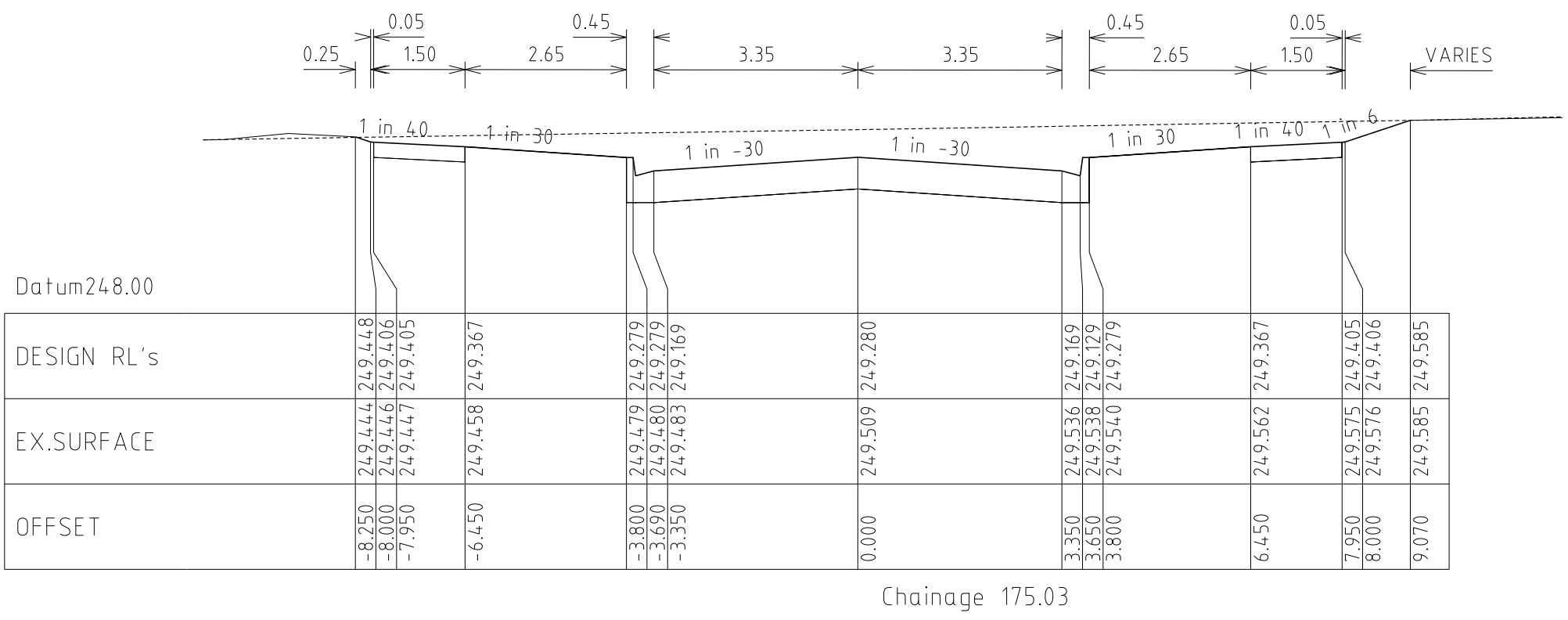
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Datum R.L.243

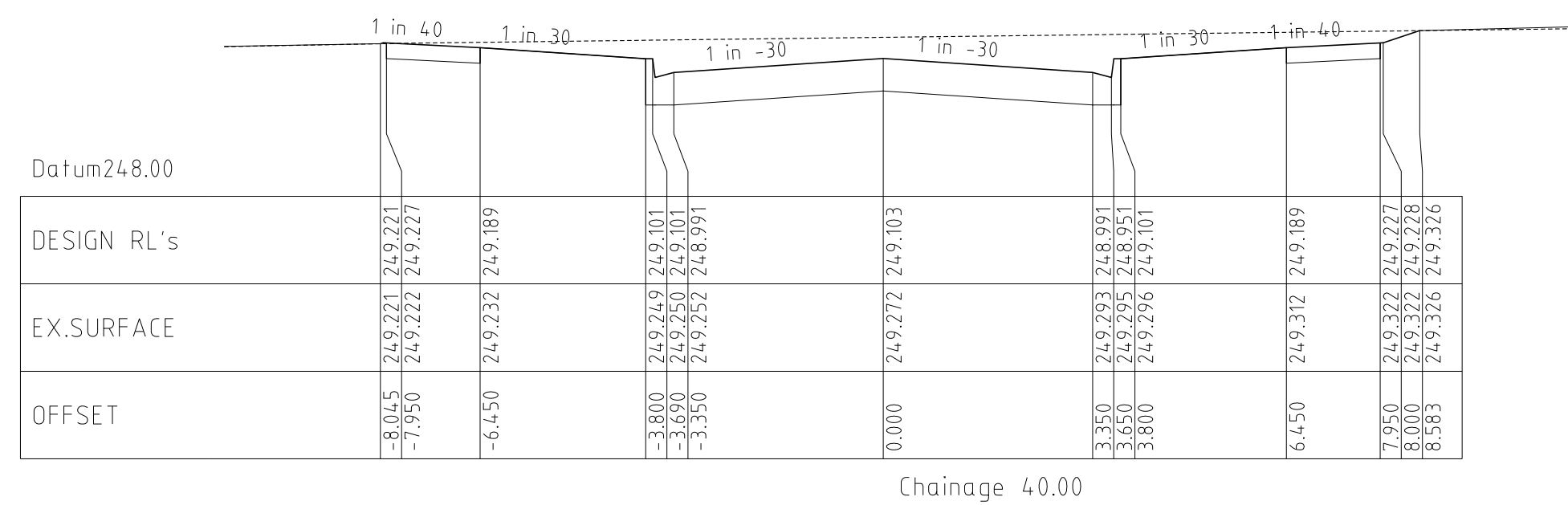
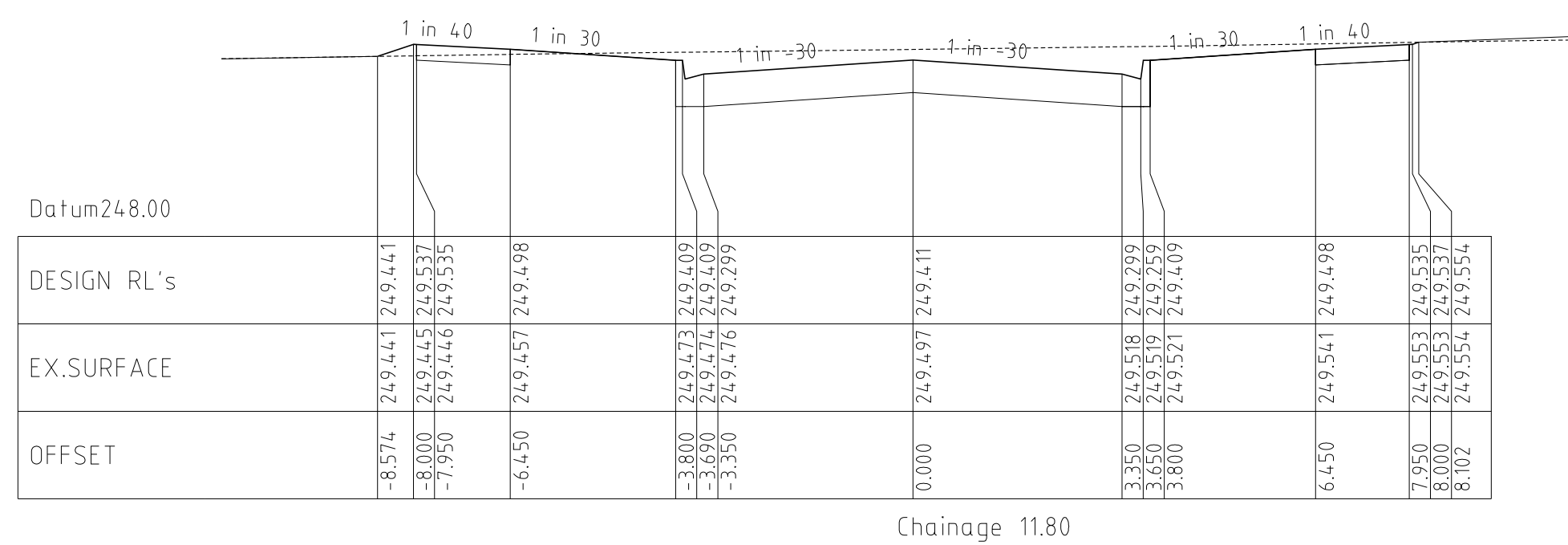
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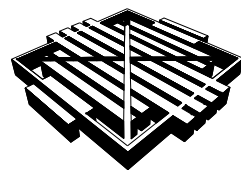


| VERSION DETAILS | | | | | | SCALE: AS SHOWN | | <div><div>MORNINGTON 5 Main Street Phone:031 5975 4644 Fax:031 5975 3916</div><div>MELBOURNE The Melbourne, Suite 2 250 St. Kilda Rd. Phone:031 9697 8000 Fax:031 9697 8099</div><div><div>TOWN PLANNERS CIVIL ENGINEERS SURVEYORS</div><div>Project Managers Urban Designers Structural Engineers</div><div><div>WATSONS URBAN DEVELOPMENT CONSULTANTS & MANAGERS ABN 47 637 509 613</div></div></div></div> | | HUME CITY COUNCIL | | PLAN NUMBER | | | | | | | | | | | | | | | | | |
|--|----------|--------------------|--|-------------------------|------------|-----------------|---|--|--|-------------------|--|-------------|---|--------------|--|--------|--|-------|---|-----------|--|-------|---|-----------------------------|--|----------------|---|---|------------------|
| REVISION | DATE | SHEETS REVISED | DESCRIPTIONS | STATUS | AUTHORISED | DATE PRINTED: | 16/12/2014 <th>LEVEL DATA:</th> <td>Ltopo.dgn<th>DATUM:</th><td>AHD<th>PROJECT No.:</th><td>36182/7B<th>DRAWN:</th><td>C.M.B.<th>DATE:</th><td>MAR 2014<th>DESIGNED:</th><td>Z.W.L.<th>DATE:</th><td>MAR 2014<th>AUTHORISED:</th><td>A.S.C.<th>DATE:</th><td>MAR 2014<td>VILLAWOOD PROPERTIES P/L TRILLIUM - STAGE 7B 535 MOUNT RIDLEY ROAD MICKLEHAM</td><td>36182/7B R 15</td></td></td></td></td></td></td></td></td></td> | | | LEVEL DATA: | Ltopo.dgn <th>DATUM:</th> <td>AHD<th>PROJECT No.:</th><td>36182/7B<th>DRAWN:</th><td>C.M.B.<th>DATE:</th><td>MAR 2014<th>DESIGNED:</th><td>Z.W.L.<th>DATE:</th><td>MAR 2014<th>AUTHORISED:</th><td>A.S.C.<th>DATE:</th><td>MAR 2014<td>VILLAWOOD PROPERTIES P/L TRILLIUM - STAGE 7B 535 MOUNT RIDLEY ROAD MICKLEHAM</td><td>36182/7B R 15</td></td></td></td></td></td></td></td></td> | DATUM: | AHD <th>PROJECT No.:</th> <td>36182/7B<th>DRAWN:</th><td>C.M.B.<th>DATE:</th><td>MAR 2014<th>DESIGNED:</th><td>Z.W.L.<th>DATE:</th><td>MAR 2014<th>AUTHORISED:</th><td>A.S.C.<th>DATE:</th><td>MAR 2014<td>VILLAWOOD PROPERTIES P/L TRILLIUM - STAGE 7B 535 MOUNT RIDLEY ROAD MICKLEHAM</td><td>36182/7B R 15</td></td></td></td></td></td></td></td> | PROJECT No.: | 36182/7B <th>DRAWN:</th> <td>C.M.B.<th>DATE:</th><td>MAR 2014<th>DESIGNED:</th><td>Z.W.L.<th>DATE:</th><td>MAR 2014<th>AUTHORISED:</th><td>A.S.C.<th>DATE:</th><td>MAR 2014<td>VILLAWOOD PROPERTIES P/L TRILLIUM - STAGE 7B 535 MOUNT RIDLEY ROAD MICKLEHAM</td><td>36182/7B R 15</td></td></td></td></td></td></td> | DRAWN: | C.M.B. <th>DATE:</th> <td>MAR 2014<th>DESIGNED:</th><td>Z.W.L.<th>DATE:</th><td>MAR 2014<th>AUTHORISED:</th><td>A.S.C.<th>DATE:</th><td>MAR 2014<td>VILLAWOOD PROPERTIES P/L TRILLIUM - STAGE 7B 535 MOUNT RIDLEY ROAD MICKLEHAM</td><td>36182/7B R 15</td></td></td></td></td></td> | DATE: | MAR 2014 <th>DESIGNED:</th> <td>Z.W.L.<th>DATE:</th><td>MAR 2014<th>AUTHORISED:</th><td>A.S.C.<th>DATE:</th><td>MAR 2014<td>VILLAWOOD PROPERTIES P/L TRILLIUM - STAGE 7B 535 MOUNT RIDLEY ROAD MICKLEHAM</td><td>36182/7B R 15</td></td></td></td></td> | DESIGNED: | Z.W.L. <th>DATE:</th> <td>MAR 2014<th>AUTHORISED:</th><td>A.S.C.<th>DATE:</th><td>MAR 2014<td>VILLAWOOD PROPERTIES P/L TRILLIUM - STAGE 7B 535 MOUNT RIDLEY ROAD MICKLEHAM</td><td>36182/7B R 15</td></td></td></td> | DATE: | MAR 2014 <th>AUTHORISED:</th> <td>A.S.C.<th>DATE:</th><td>MAR 2014<td>VILLAWOOD PROPERTIES P/L TRILLIUM - STAGE 7B 535 MOUNT RIDLEY ROAD MICKLEHAM</td><td>36182/7B R 15</td></td></td> | AUTHORISED: | A.S.C. <th>DATE:</th> <td>MAR 2014<td>VILLAWOOD PROPERTIES P/L TRILLIUM - STAGE 7B 535 MOUNT RIDLEY ROAD MICKLEHAM</td><td>36182/7B R 15</td></td> | DATE: | MAR 2014 <td>VILLAWOOD PROPERTIES P/L TRILLIUM - STAGE 7B 535 MOUNT RIDLEY ROAD MICKLEHAM</td> <td>36182/7B R 15</td> | VILLAWOOD PROPERTIES P/L TRILLIUM - STAGE 7B 535 MOUNT RIDLEY ROAD MICKLEHAM | 36182/7B R 15 |
| E | 16/12/14 | ALL | - | AS CONSTRUCTED | ZWL | | | | | | | | | | | | | | | | | | | | | | | | |
| D | 22/09/14 | 4 | LOT 765 CROSSOVER RELOCATED | ISSUED FOR CONSTRUCTION | ASC | | | | | | | | | | | | | | | | | | | | | | | | |
| C | 7/07/14 | 4, 18, 19, 20 & 22 | DRAINAGE PITS 6.3, 11.6 & 23.1 RELOCATED | ISSUED FOR CONSTRUCTION | ASC | | | | | | | | | | | | | | | | | | | | | | | | |
| B | 23/06/14 | 4, 17, 18 & 22 | HW DRAINAGE LINE AMENDED | APPROVED | ASC | | | | | | | | | | | | | | | | | | | | | | | | |
| A | 01/05/14 | ALL | COUNCIL COMMENTS DATED 22/04/14 | PRELIMINARY | ASC | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | | | TURION DRIVE CROSS SECTIONS | | SHEET 15 OF 27 | | | |

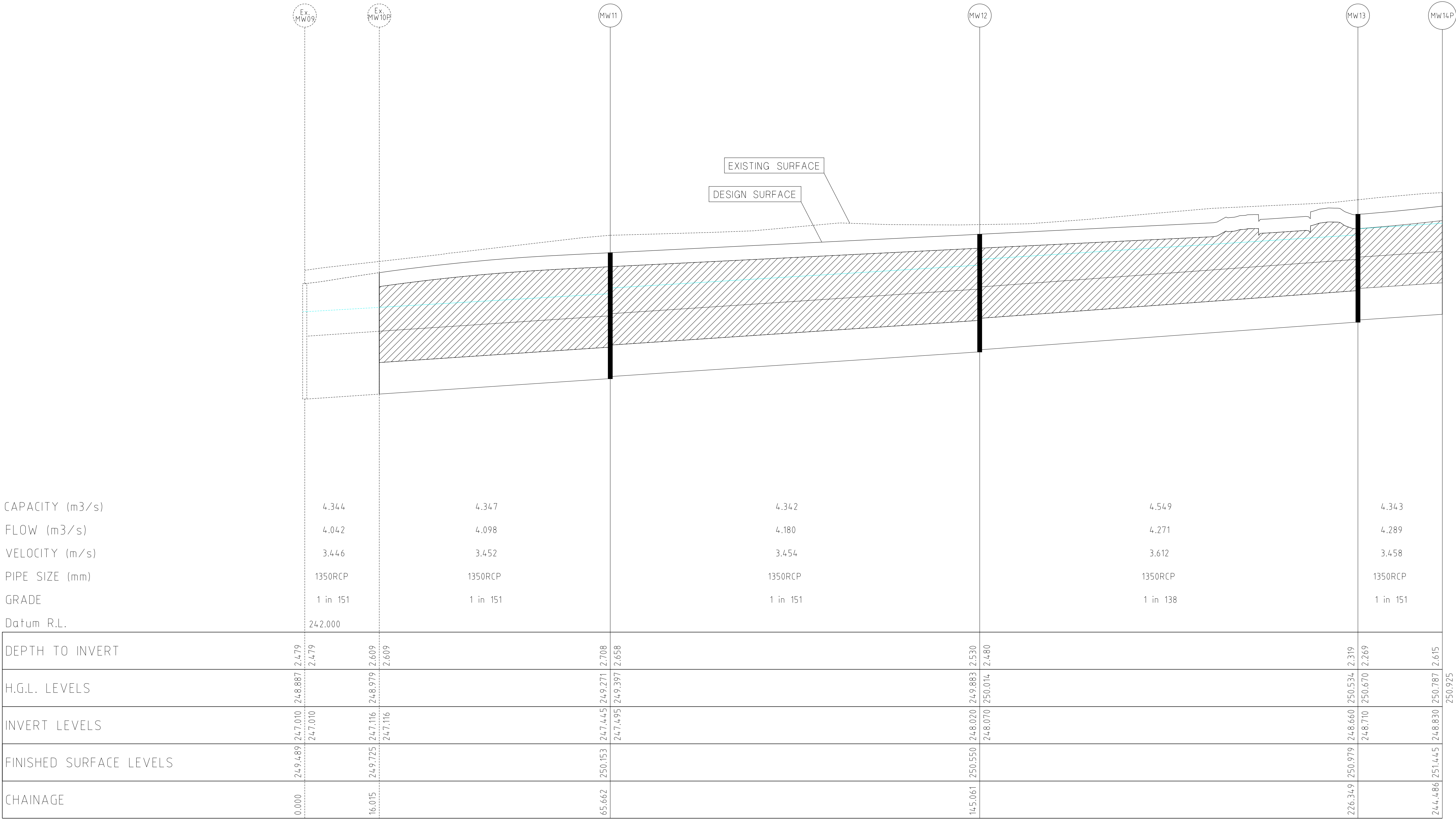


MORNINGTON
5 Main Street,
Phone:(03) 5975 4644
Fax:(03) 5975 3916

- TOWN PLANNERS
- CIVIL ENGINEERS
- SURVEYORS

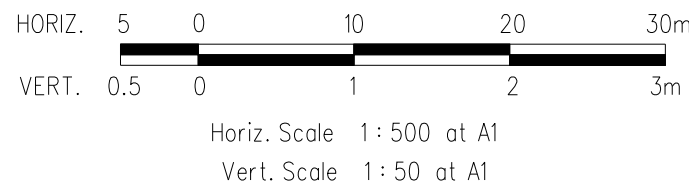


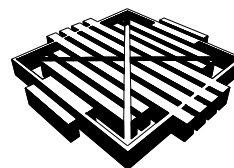
WATSONS
URBAN DEVELOPMENT
CONSULTANTS & MANAGERS
ABN 47 637 509 613

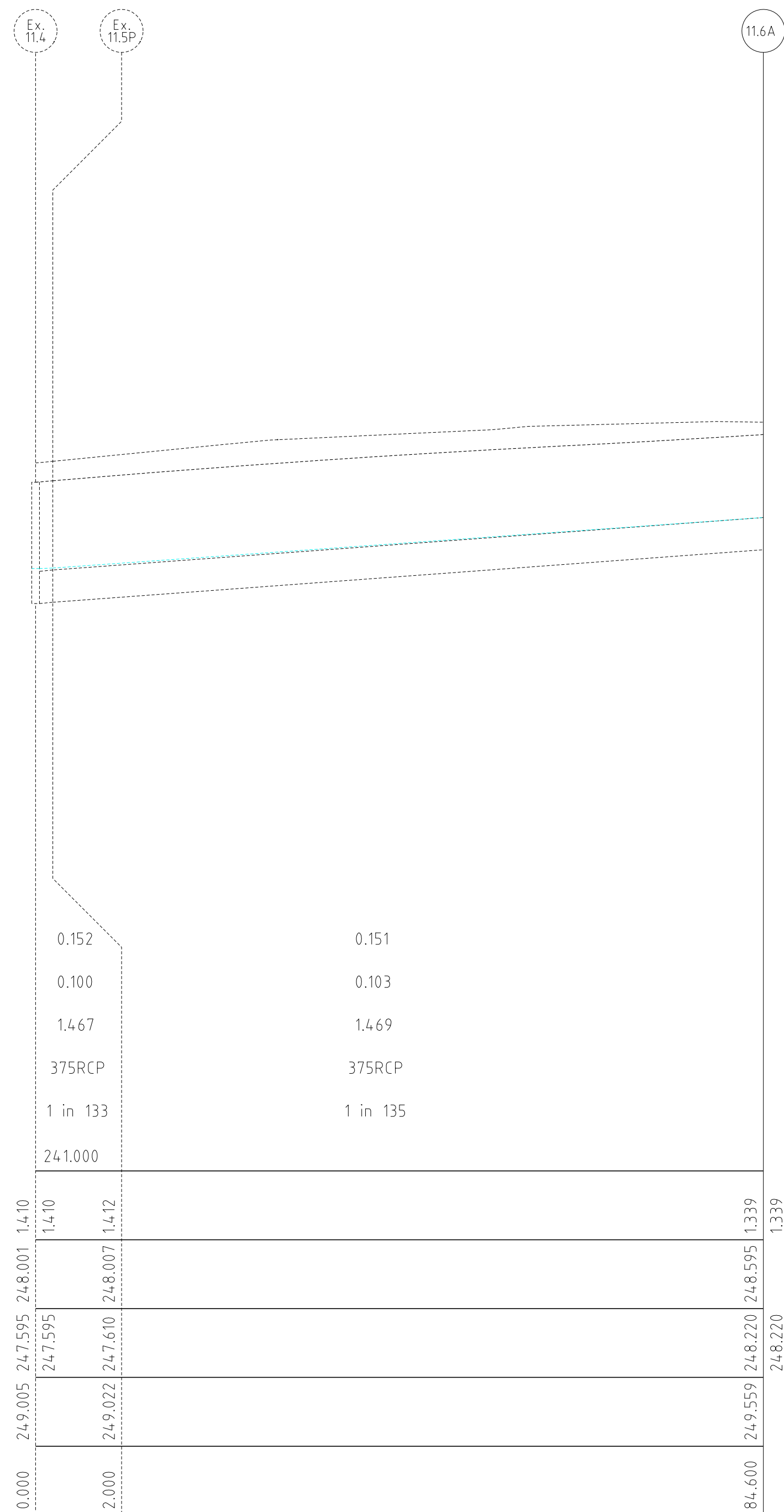
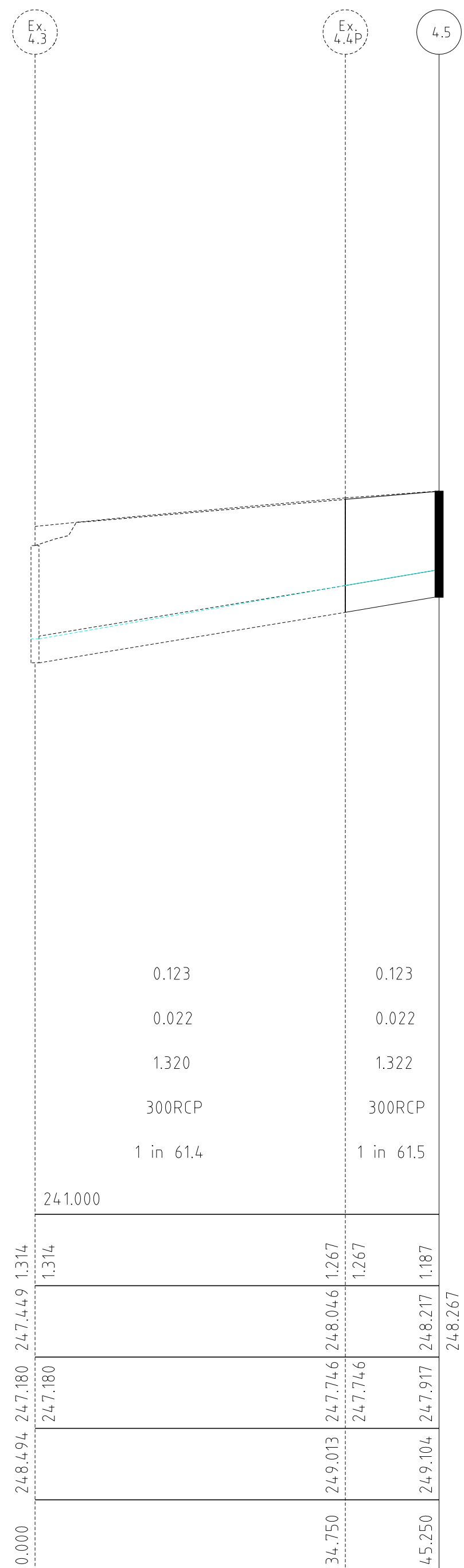


NOTE:
LOCATION OF GAS, WATER,
TELSTRA & ELECTRICITY
SERVICES INDICATIVE ONLY

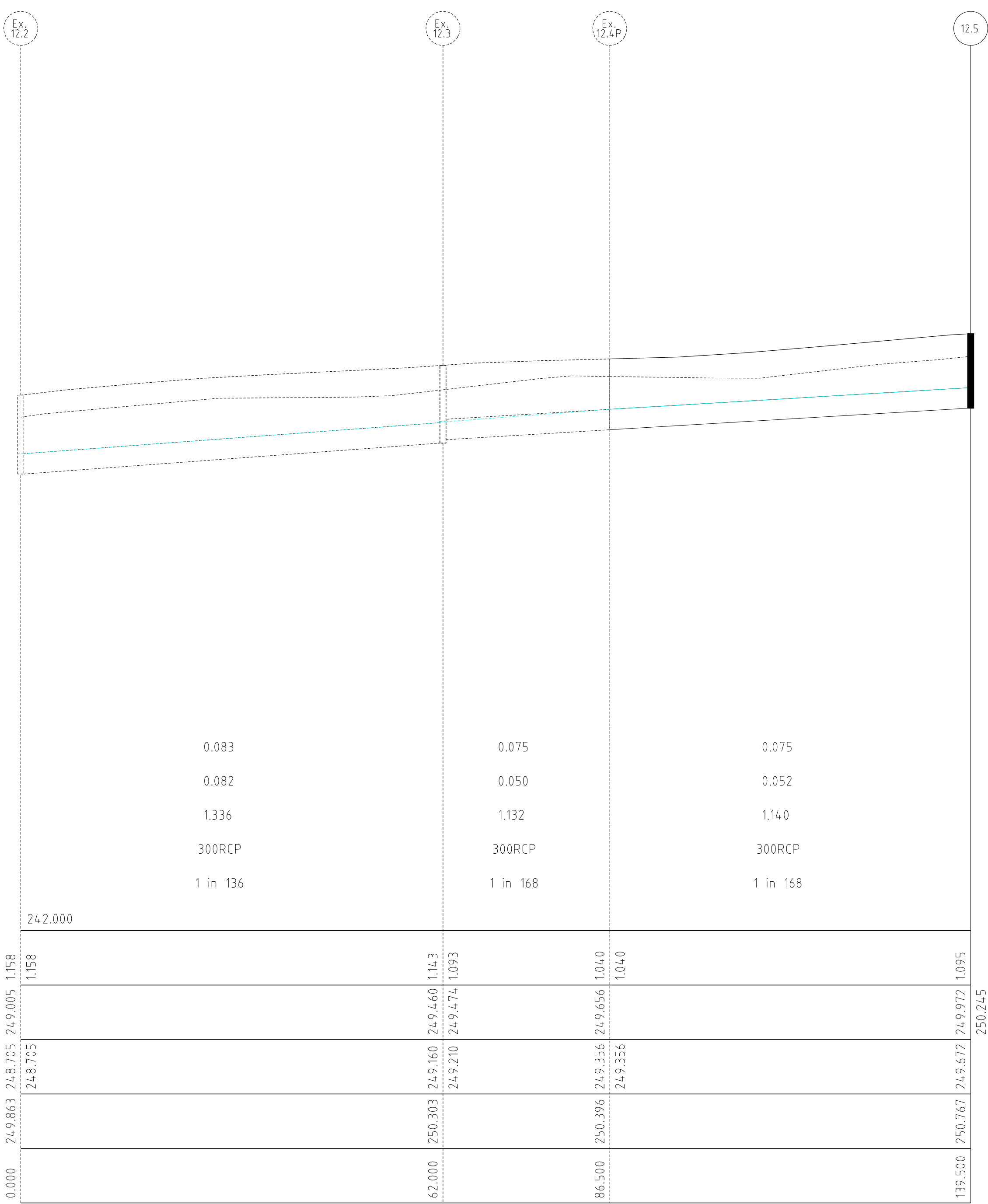
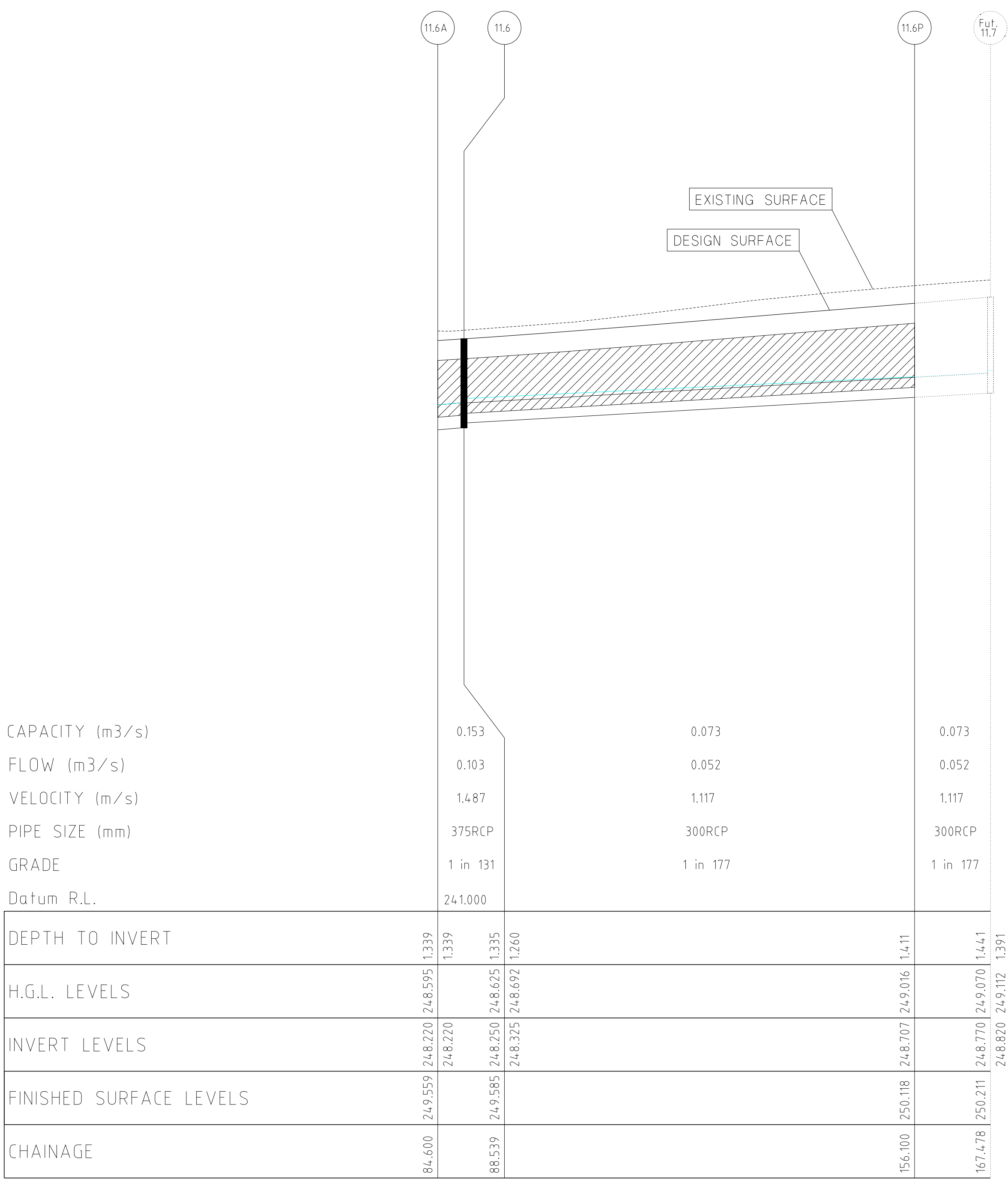
DRAINAGE LONGITUDINAL SECTIONS



| VERSION DETAILS | | | | | | SCALE: AS SHOWN | | <div>MORNINGTON 5 Main Street, Phone(03) 5975 4644 Fax(03) 5975 3916</div> <div>MELBOURNE The Melbourne, Suite 2 250 St. Kilda Rd. Phone(03) 9697 8000 Fax(03) 9697 8099</div> <div>• TOWN PLANNERS • CIVIL ENGINEERS • SURVEYORS</div> <div>• Project Managers • Urban Designers • Structural Engineers</div> <div> WATSONS URBAN DEVELOPMENT CONSULTANTS & MANAGERS ABN 47 637 509 613</div> | HUME CITY COUNCIL | | PLAN NUMBER | | | | | | | | | |
|--|----------|--------------------|--|-------------------------|------------|-----------------------------------|-----------------------|--|---|--|-----------------|--|--|--|--|--|--|--|--|--|
| REVISION | DATE | SHEETS REVISED | DESCRIPTIONS | STATUS | AUTHORISED | DATE PRINTED: 16/12/2014 | LEVEL DATA: Ltopo.dgn | | VILLAWOOD PROPERTIES P/L TRILLIUM - STAGE 7B 535 MOUNT RIDLEY ROAD MICKLEHAM | | 36182/7B R17 | | | | | | | | | |
| E | 16/12/14 | ALL | - | AS CONSTRUCTED | ZWL | DATUM: AHD | PROJECT No.: 36182/7B | | DRAINAGE LONGITUDINAL SECTION | | REVISION E | | | | | | | | | |
| D | 22/09/14 | 4 | LOT 765 CROSSOVER RELOCATED | ISSUED FOR CONSTRUCTION | ASC | DRAWN: C.M.B. DATE: MAR 2014 | | | | | SHEET 17 OF 27 | | | | | | | | | |
| C | 7/07/14 | 4, 18, 19, 20 & 22 | DRAINAGE PITS 6.3, 11.6 & 23.1 RELOCATED | ISSUED FOR CONSTRUCTION | ASC | DESIGNED: Z.W.L. DATE: MAR 2014 | | | | | | | | | | | | | | |
| B | 23/06/14 | 4, 17, 18 & 22 | MW DRAINAGE LINE AMENDED | APPROVED | ASC | AUTHORISED: A.S.C. DATE: MAR 2014 | | | | | | | | | | | | | | |
| A | 01/05/14 | ALL | COUNCIL COMMENTS DATED 22/04/14 | PRELIMINARY | ASC | | | | | | | | | | | | | | | |
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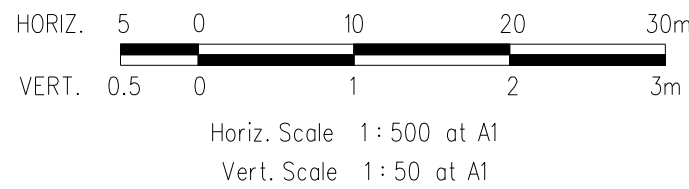


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|---|-----------------|
| HUME CITY COUNCIL | PLAN NUMBER |
| VILLAWOOD PROPERTIES P/L TRILLIUM - STAGE 7B 535 MOUNT RIDLEY ROAD MICKLEHAM | 36182/7B R18 |
| DRAINAGE LONGITUDINAL SECTION | REVISION E |
| | SHEET 18 OF 27 |

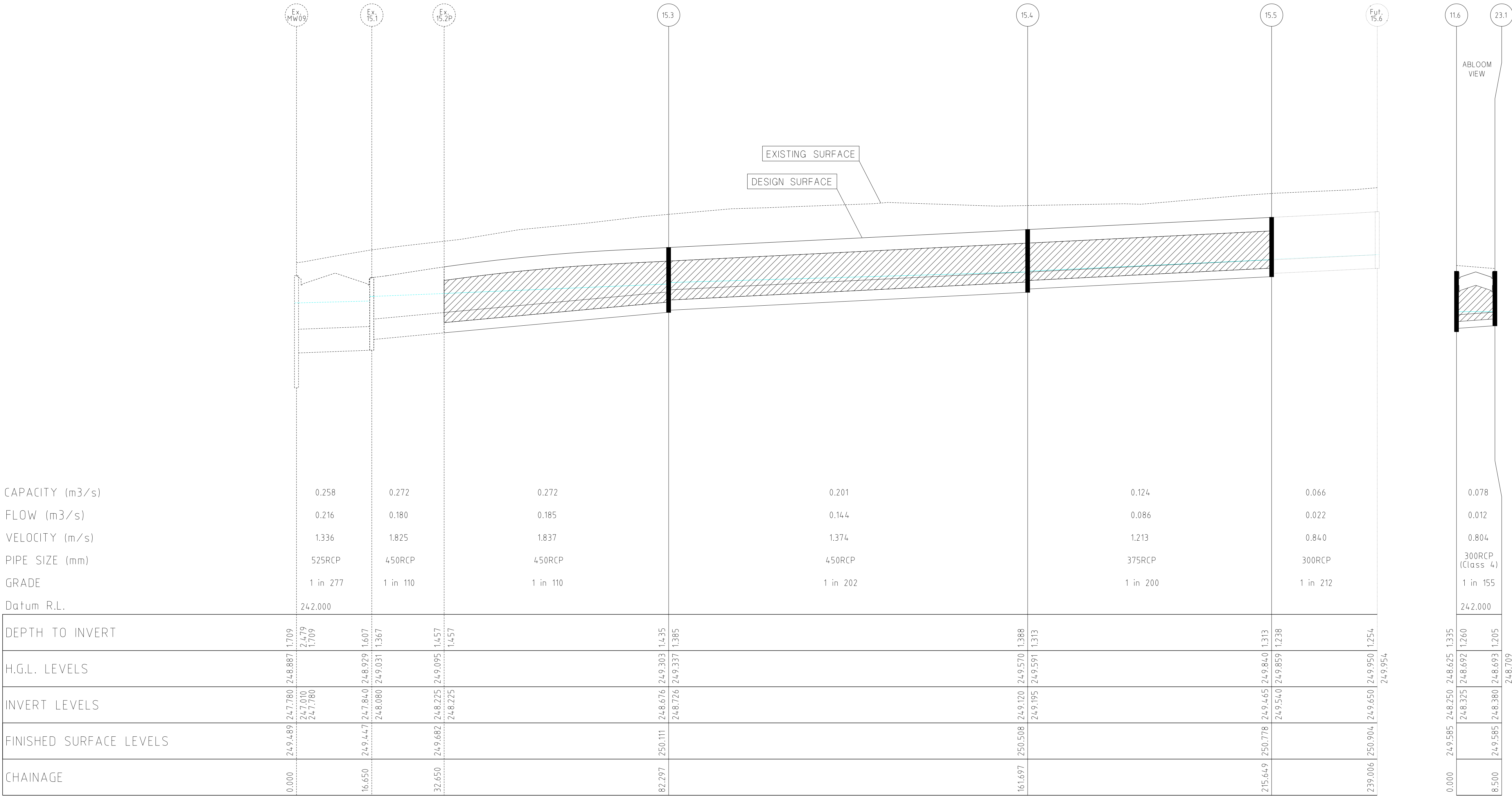


NOTE:
LOCATION OF GAS, WATER,
TELSTRA & ELECTRICITY
SERVICES INDICATIVE ONLY

DRAINAGE LONGITUDINAL SECTIONS



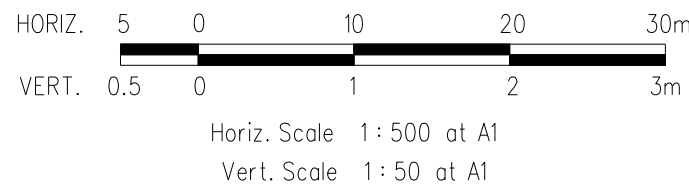
| VERSION DETAILS | | | | | | SCALE: AS SHOWN | | <div><div>MORNINGTON 5 Main Street, Phone(03) 5975 4644 Fax(03) 5975 3916</div><div>MELBOURNE The Melbourne, Suite 2 250 St. Kilda Rd. Phone(03) 9697 8000 Fax(03) 9697 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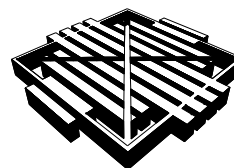


| | | | | | | | | | | | | | |
|-------------------------|--|----------|----------|--|----------|--|----------|--|----------|--|----------|--|------------------|
| CAPACITY (m3/s) | | 0.258 | 0.272 | | 0.272 | | 0.201 | | 0.124 | | 0.066 | | 0.078 |
| FLOW (m3/s) | | 0.216 | 0.180 | | 0.185 | | 0.144 | | 0.086 | | 0.022 | | 0.012 |
| VELOCITY (m/s) | | 1.336 | 1.825 | | 1.837 | | 1.374 | | 1.213 | | 0.840 | | 0.804 |
| PIPE SIZE (mm) | | 525RCP | 450RCP | | 450RCP | | 450RCP | | 375RCP | | 300RCP | | 300RCP (Class 4) |
| GRADE | | 1 in 277 | 1 in 110 | | 1 in 110 | | 1 in 202 | | 1 in 200 | | 1 in 212 | | 1 in 155 |
| Datum R.L. | | 242.000 | | | | | | | | | | | 242.000 |
| DEPTH TO INVERT | | 1.709 | 1.709 | | 1.435 | | 1.388 | | 1.313 | | 1.238 | | 1.254 |
| H.G.L. LEVELS | | 248.887 | 248.929 | | 249.303 | | 249.570 | | 249.840 | | 249.950 | | 249.954 |
| INVERT LEVELS | | 247.780 | 247.840 | | 248.676 | | 249.420 | | 249.465 | | 249.540 | | 248.693 |
| FINISHED SURFACE LEVELS | | 249.489 | 249.447 | | 249.682 | | 250.508 | | 250.778 | | 250.904 | | 250.904 |
| CHAINAGE | | 0.000 | 16.650 | | 32.650 | | 82.297 | | 161.697 | | 215.649 | | 239.006 |

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

DRAINAGE LONGITUDINAL SECTIONS



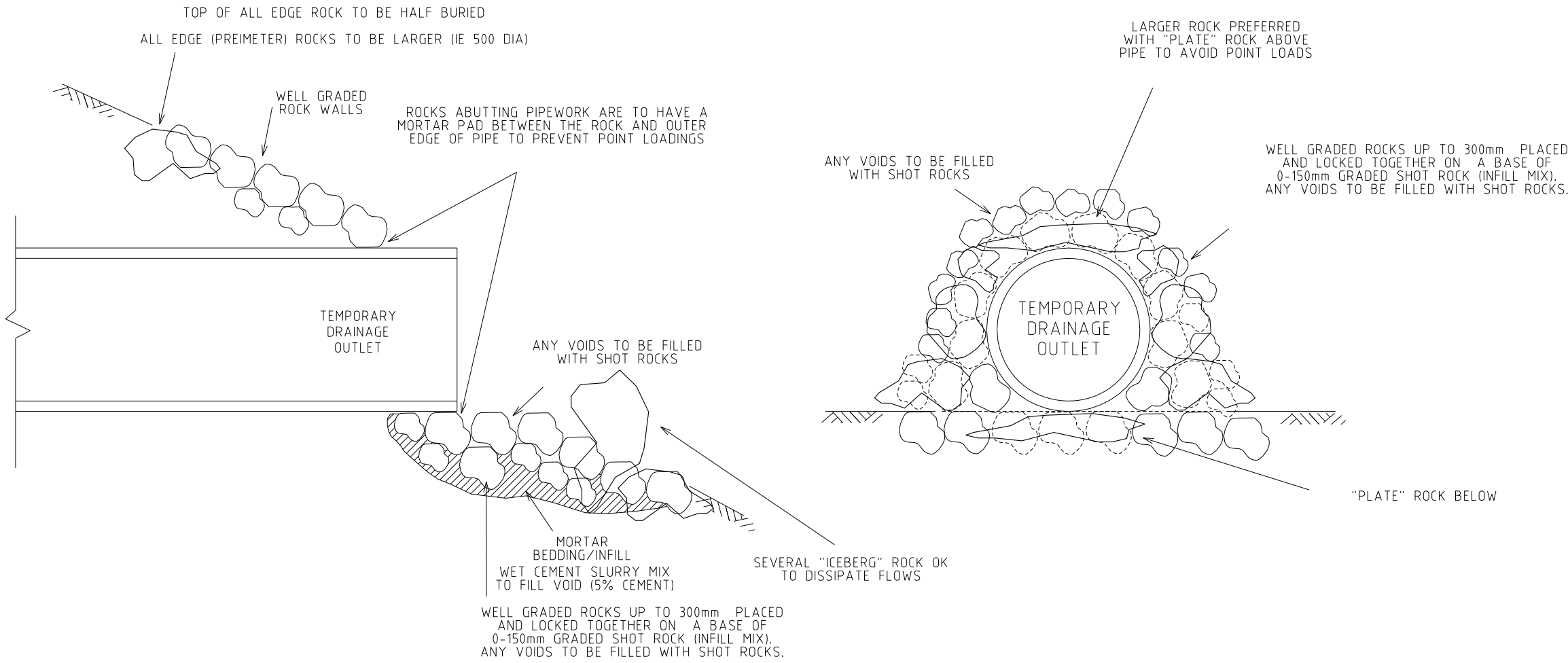
| VERSION DETAILS | | | | | | SCALE: AS SHOWN | | <div><div>MORNINGTON 5 Main Street, Phone(03) 5975 4644 Fax(03) 5975 3916</div><div>MELBOURNE The Melbourne, Suite 2 250 St. Kilda Rd. Phone(03) 9697 8000 Fax(03) 9697 8099</div><div>TOWN PLANNERS CIVIL ENGINEERS SURVEYORS</div><div>Project Managers Urban Designers Structural Engineers</div><div> WATSONS URBAN DEVELOPMENT CONSULTANTS & MANAGERS ABN 47 637 509 613</div></div> |
|---|----------|--------------------|--|-------------------------|------------|-----------------------------------|---------------------------------|---|
| REVISION | DATE | SHEETS REVISED | DESCRIPTIONS | STATUS | AUTHORISED | DATE PRINTED: 16/12/2014 | LEVEL DATA: Ltopo.dgn | |
| E | 16/12/14 | ALL | - | AS CONSTRUCTED | ZWL | DATUM: AHD | PROJECT No.: 36182/7B | |
| D | 22/09/14 | 4 | LOT 765 CROSSOVER RELOCATED | ISSUED FOR CONSTRUCTION | ASC | DRAWN: C.M.B. DATE: MAR 2014 | DESIGNED: Z.W.L. DATE: MAR 2014 | |
| C | 7/07/14 | 4, 18, 19, 20 & 22 | DRAINAGE PITS 6.3, 11.6 & 23.1 RELOCATED | ISSUED FOR CONSTRUCTION | ASC | AUTHORISED: A.S.C. DATE: MAR 2014 | | |
| B | 23/06/14 | 4, 17, 18 & 22 | MW DRAINAGE LINE AMENDED | APPROVED | ASC | | | |
| A | 01/05/14 | ALL | COUNCIL COMMENTS DATED 22/04/14 | PRELIMINARY | ASC | | | |
| FILENAME: K:\36182\36182_7b\dwg\120.dgn | | | | | | | | |
| HUME CITY COUNCIL | | | | | | | | PLAN NUMBER |
| VILLAWOOD PROPERTIES P/L TRILLIUM - STAGE 7B 535 MOUNT RIDLEY ROAD MICKLEHAM | | | | | | | | 36182/7B R20 |
| DRAINAGE LONGITUDINAL SECTION | | | | | | | | REVISION E |
| | | | | | | | | SHEET 20 OF 27 |

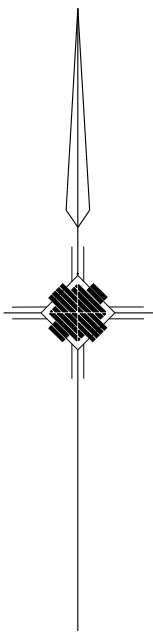
PIT SCHEDULE

| PIT NO. & TYPE | INTERNAL DIMENSIONS | EASTING | NORTHING | INLET DIA. | INLET I.L. | OUTLET DIA. | OUTLET I.L. | COVER LEVEL | DEPTH TO INVERT | REMARKS |
|----------------|---------------------|----------|----------|------------|------------|-------------|-------------|-------------|-----------------|---|
| MW14 PC | - | 3596.514 | 9892.363 | | | 1350 | 248.83 | 251.445 | 2.615 | End Capped (Future Pipe to Pipe Connection) |
| MW13 SEP | 900 x 1500 | 3614.49 | 9889.953 | 1350 | 248.71 | 1350 | 248.66 | 250.979 | 2.319 | GAA012(HAUNCHED); SD275(CIRCULAR PIT LID) |
| MW12 SEP | 900 x 1500 | 3695.057 | 9879.151 | 1350 | 248.07 | 1350 | 248.02 | 250.55 | 2.53 | GAA012(HAUNCHED); SD275(CIRCULAR PIT LID) |
| MW11 SEP | 900 x 1500 | 3773.752 | 9868.6 | 1350 | 247.495 | 1350 | 247.445 | 250.153 | 2.708 | GAA012(HAUNCHED); SD275(CIRCULAR PIT LID) |
| Ex. MW10 PC | - | 3822.959 | 9862.002 | 1350 | 247.116 | 1350 | 247.116 | 249.725 | 2.609 | Pipe to Pipe Connection |
| Ex. MW09 SEP | Existing | 3838.832 | 9859.874 | 1350 | 247.01 | 1350 | 246.96 | 249.489 | 2.479 | Existing Pit |
| | | | | 525 | 247.78 | | | 249.489 | 2.479 | Line 15 Enters |
| | | | | | | | | | | |
| 2.13 JP | 900 x 600 | 3659.068 | 9782.627 | | | 300 | 248.872 | 249.889 | 1.017 | GAA014; SD275(CIRCULAR PIT LID) |
| Ex. 2.12 PC | - | 3702.678 | 9776.78 | 300 | 248.52 | 300 | 248.52 | 249.535 | 1.015 | Pipe to Pipe Connection |
| Ex. 2.11 JP | Existing | 3715.563 | 9775.053 | 300 | 248.416 | | | 249.437 | 1.021 | Existing Pit |
| | | | | | | | | | | |
| 4.5 JP | 900 x 600 | 3671.621 | 9707.291 | | | 300 | 247.917 | 249.104 | 1.187 | GAA014; SD275(CIRCULAR PIT LID) |
| Ex. 4.4 PC | - | 3682.028 | 9705.896 | 300 | 247.746 | 300 | 247.746 | 249.013 | 1.267 | Pipe to Pipe Connection |
| Ex. 4.3 SEP | Existing | 3716.47 | 9701.278 | 300 | 247.18 | | | 248.494 | 1.314 | Existing Pit |
| | | | | | | | | | | |
| Fut. 6.5 SEP | Future | 3624.511 | 9757.244 | 375 | 248.27 | 375 | 248.22 | 249.689 | 1.469 | Future Pit |
| 6.4 PC | - | 3630.29 | 9756.469 | 375 | 248.19 | 375 | 248.19 | 249.635 | 1.445 | End Capped (Future Pipe to Pipe Connection) |
| 6.4 JP | 900 x 600 | 3641.239 | 9755.001 | 375 | 248.13 | 375 | 248.08 | 249.533 | 1.453 | GAA014; SD275(CIRCULAR PIT LID) |
| | | | | 300 | 248.155 | | | 249.533 | 1.453 | Line 26 Enters |
| | | | | 300 | 248.155 | | | 249.533 | 1.453 | Line 27 Enters |
| 6.3 JP | 900 x 600 | 3685.295 | 9749.095 | 375 | 247.836 | 375 | 247.786 | 249.119 | 1.333 | GAA014; SD275(CIRCULAR PIT LID) |
| 6.2 PC | - | 3687.775 | 9748.762 | 375 | 247.763 | 375 | 247.763 | 249.095 | 1.332 | Pipe to Pipe Connection |
| Ex. 6.2 SEP | Existing | 3711.015 | 9745.646 | 375 | 247.545 | 450 | 247.47 | 248.862 | 1.392 | Existing Pit |
| | | | | 300 | 247.545 | | | 248.862 | 1.392 | Line 22 Enters |
| | | | | | | | | | | |
| Fut. 11.7 SEP | Future | 3634.066 | 9825.581 | 300 | 248.82 | 300 | 248.77 | 250.211 | 1.441 | Future Pit |
| 11.6 PC | - | 3645.343 | 9824.069 | 300 | 248.707 | 300 | 248.707 | 250.118 | 1.411 | End Capped (Future Pipe to Pipe Connection) |
| 11.6 SEP | 900 x 600 | 3712.305 | 9815.091 | 300 | 248.325 | 375 | 248.25 | 249.585 | 1.335 | GAA012; SD275(CIRCULAR PIT LID) |
| | | | | 300 | 248.325 | | | 249.585 | 1.335 | Line 23 Enters |
| 11.6A PC | - | 3716.209 | 9814.567 | 375 | 248.22 | 375 | 248.22 | 249.559 | 1.339 | Pipe to Pipe Connection |
| Ex. 11.5 PC | - | 3798.076 | 9803.591 | 375 | 247.61 | 375 | 247.61 | 249.022 | 1.412 | Pipe to Pipe Connection |
| Ex. 11.4 SEP | Existing | 3800.059 | 9803.325 | 375 | 247.595 | | | 249.005 | 1.41 | Existing Pit |
| | | | | | | | | | | |
| 12.5 JP | 900 x 600 | 3667.729 | 9848.057 | | | 300 | 249.672 | 250.767 | 1.095 | GAA014; SD275(CIRCULAR PIT LID) |
| Ex. 12.4 PC | - | 3720.259 | 9841.014 | 300 | 249.356 | 300 | 249.356 | 250.396 | 1.04 | Pipe to Pipe Connection |
| Ex. 12.3 JP | Existing | 3744.542 | 9837.758 | 300 | 249.21 | 300 | 249.16 | 250.303 | 1.143 | Existing Pit |
| Ex. 12.2 JP | Existing | 3805.992 | 9829.519 | 300 | 248.705 | | | 249.863 | 1.158 | Existing Pit |

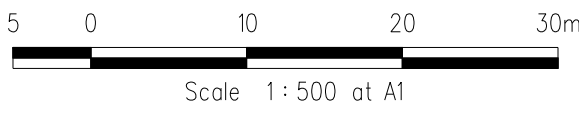
- NOTE:
- xy setout to pit centre
 - setout level to pit cover level

| PIT NO. & TYPE | INTERNAL DIMENSIONS | EASTING | NORTHING | INLET DIA. | INLET I.L. | OUTLET DIA. | OUTLET I.L. | COVER LEVEL | DEPTH TO INVERT | REMARKS |
|----------------|---------------------|----------|----------|------------|------------|-------------|-------------|-------------|-----------------|---|
| Fut. 15.6 SEP | Future | 3620.645 | 9905.926 | | | 300 | 249.65 | 250.904 | 1.254 | Future Pit |
| 15.5 JP | 900 x 600 | 3643.796 | 9902.823 | 300 | 249.54 | 375 | 249.465 | 250.778 | 1.313 | GAA014; SD275(CIRCULAR PIT LID) |
| | | | | 300 | 249.74 | | | 250.778 | 1.313 | Line 24 Enters |
| 15.4 SEP | 900 x 600 | 3697.269 | 9895.653 | 375 | 249.195 | 450 | 249.12 | 250.508 | 1.388 | GAA012; SD275(CIRCULAR PIT LID) |
| 15.3 SEP | 900 x 600 | 3775.965 | 9885.102 | 450 | 248.726 | 450 | 248.676 | 250.111 | 1.435 | GAA012; SD275(CIRCULAR PIT LID) |
| Ex. 15.2 PC | - | 3825.172 | 9878.504 | 450 | 248.225 | 450 | 248.225 | 249.682 | 1.457 | Pipe to Pipe Connection |
| Ex. 15.1 SEP | Existing | 3841.03 | 9876.378 | 450 | 248.08 | 525 | 247.84 | 249.447 | 1.607 | Existing Pit |
| | | | | 300 | 248.15 | | | 249.447 | 1.607 | Line 16 Enters |
| | | | | | | | | | | |
| 23.1 SEP | 900 x 600 | 3711.175 | 9806.666 | | | 300 | 248.38 | 249.585 | 1.205 | GAA012; SD275(CIRCULAR PIT LID) |
| | | | | | | | | | | |
| Fut. 24.1 JP | Future | 3650.427 | 9952.28 | | | 300 | 250.72 | 251.924 | 1.204 | Future Pit |
| 24.1 PC | - | 3644.58 | 9908.67 | 300 | 249.849 | 300 | 249.849 | 251.207 | 1.358 | End Capped (Future Pipe to Pipe Connection) |
| | | | | | | | | | | |
| Fut. 26.1 JP | Future | 3647.053 | 9798.363 | | | 300 | 249 | 250.118 | 1.118 | Future Pit |
| 26.1 PC | - | 3641.871 | 9759.709 | 300 | 248.24 | 300 | 248.24 | 249.788 | 1.548 | End Capped (Future Pipe to Pipe Connection) |
| | | | | | | | | | | |
| 27.1 SEP | 900 x 600 | 3640.11 | 9746.577 | | | 300 | 248.2 | 249.533 | 1.333 | GAA012; SD275(CIRCULAR PIT LID) |
| | | | | | | | | | | |
| 28.3 JP | 900 x 600 | 3647.832 | 9731.164 | | | 300 | 248.13 | 249.335 | 1.205 | GAA014; SD275(CIRCULAR PIT LID) |
| 28.2 SEP | 900 x 600 | 3645.108 | 9710.846 | 300 | 247.845 | 300 | 247.795 | 249.125 | 1.33 | GAA012; SD275(CIRCULAR PIT LID) |
| | | | | 300 | 247.845 | | | 249.125 | 1.33 | Line 29 Enters |
| | | | | 300 | 248.085 | | | 249.125 | 1.33 | Line 30 Enters |
| 28.1 PC | - | 3641.387 | 9683.094 | 300 | 247.625 | | | 248.967 | 1.342 | Temporary Outfall |
| | | | | | | | | | | |
| 29.1 SEP | 900 x 600 | 3653.533 | 9709.716 | | | 300 | 247.91 | 249.125 | 1.215 | GAA012; SD275(CIRCULAR PIT LID) |
| | | | | | | | | | | |
| Fut. 30.1 JP | Future | 3599.764 | 9716.925 | | | 300 | 248.75 | 249.838 | 1.088 | Future Pit |
| 30.1 PC | - | 3640.4 | 9711.477 | 300 | 248.149 | 300 | 248.149 | 249.339 | 1.19 | End Capped (Future Pipe to Pipe Connection) |

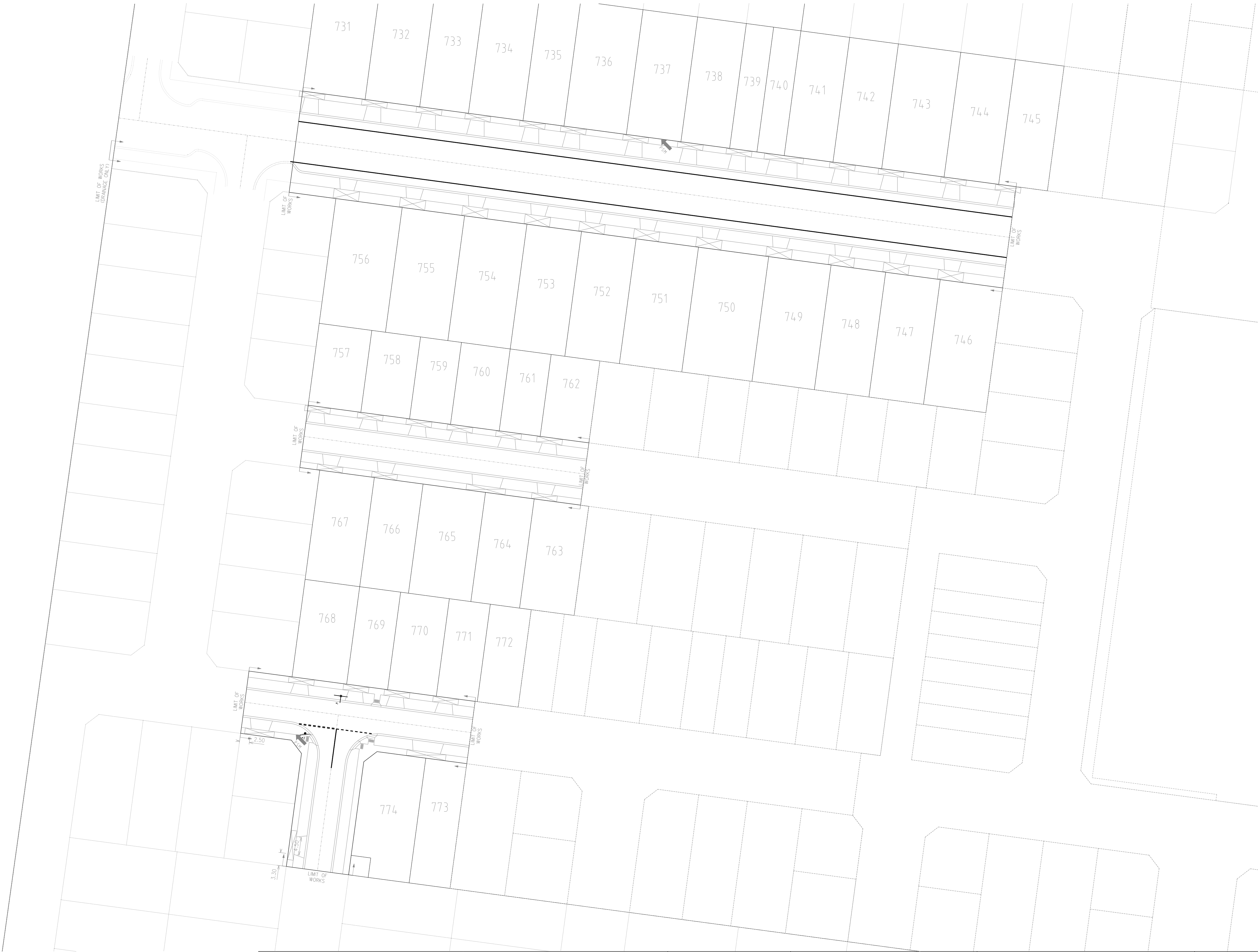




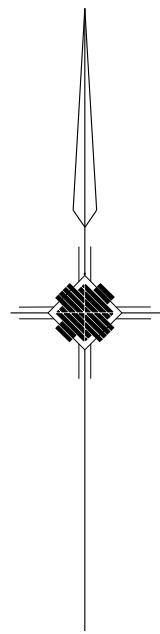
LINEMARKING PLAN



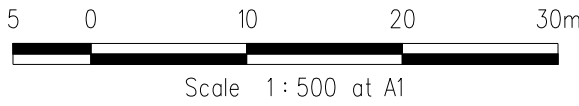
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|-----------|-----------|-------------|
| #1 | | STREET SIGN |
| #2 | | R1-2A |

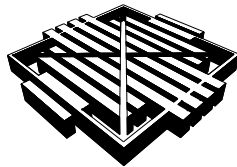


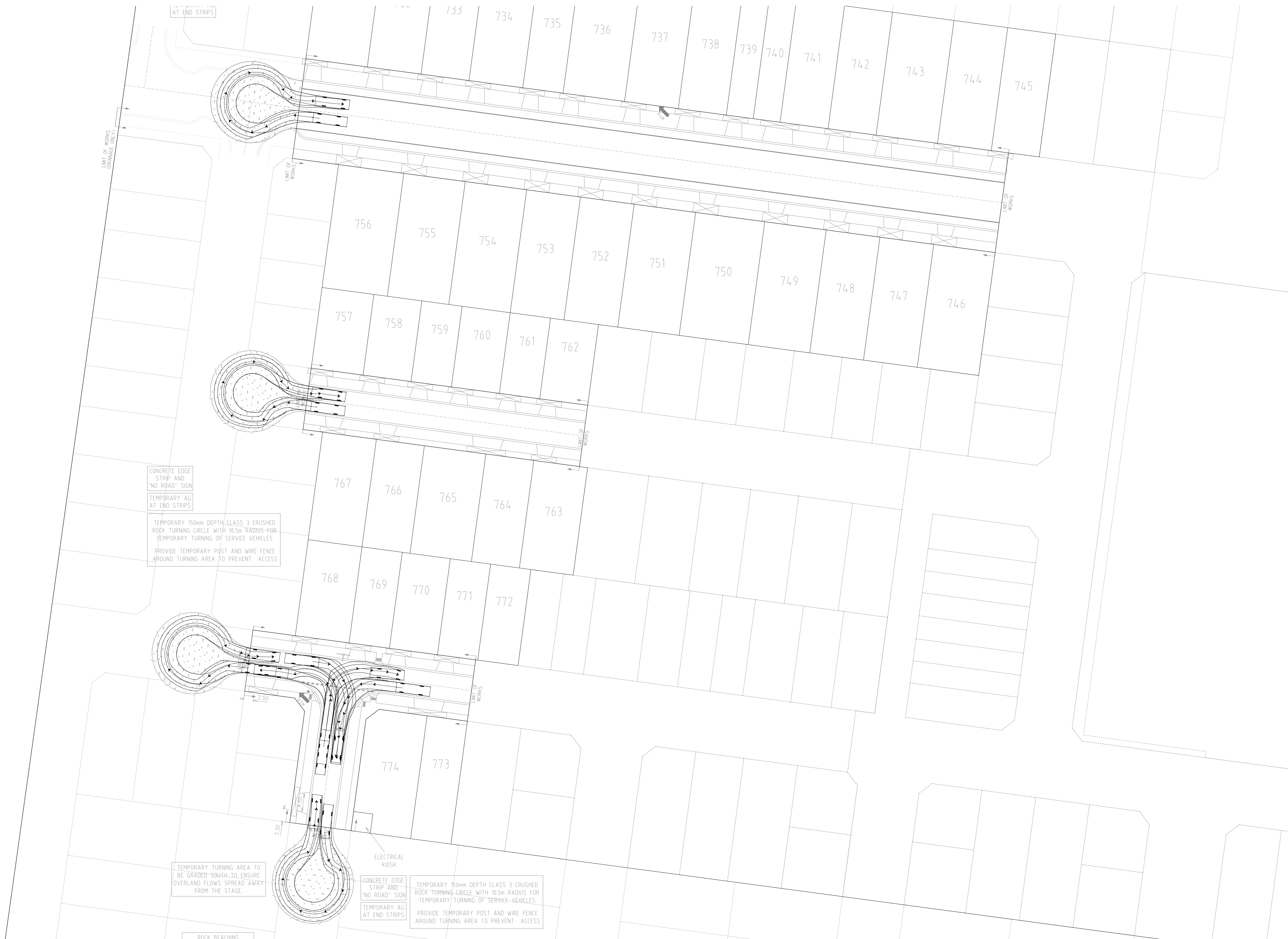
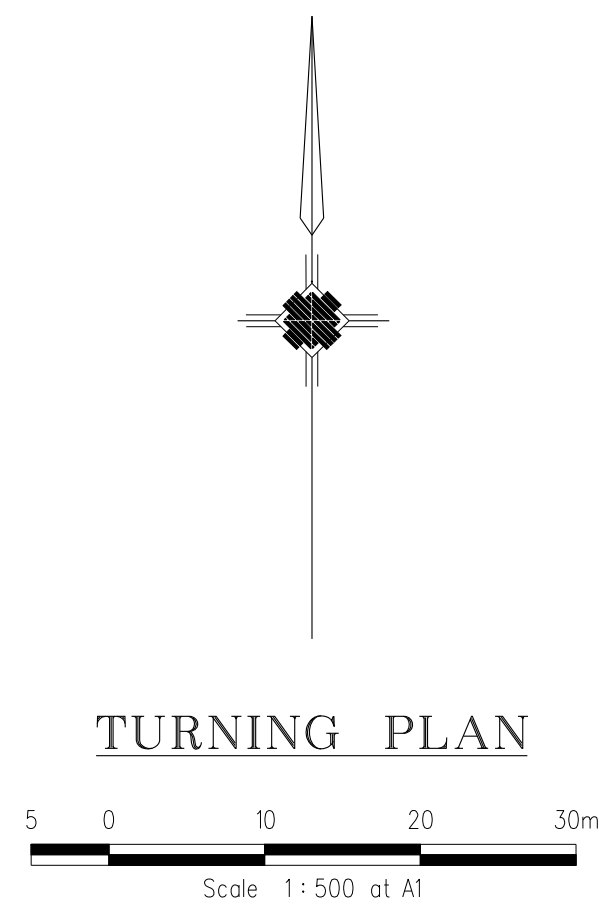
| VERSION DETAILS | | | | | | SCALE: AS SHOWN | | <div>MORNINGTON 5 Main Street, Phone(03) 5975 4644 Fax(03) 5975 3916</div> <div>MELBOURNE The Melbourne, Suite 2 250 St. Kilda Rd. Phone(03) 9697 8000 Fax(03) 9697 8099</div> <div><ul style="list-style-type: none">• TOWN PLANNERS• CIVIL ENGINEERS• SURVEYORS• Project Managers• Urban Designers• Structural Engineers</div> <div> WATSONS URBAN DEVELOPMENT CONSULTANTS & MANAGERS ABN 47 637 509 613</div> | HUME CITY COUNCIL | | PLAN NUMBER | | | | |
|---|----------|--------------------|--|-------------------------|------------|--------------------------|-----------------------|--|-------------------|-----------------------|------------------------------|---------------------------------|-----------------------------------|---|-----------------|
| REVISION | DATE | SHEETS REVISED | DESCRIPTIONS | STATUS | AUTHORISED | DATE PRINTED: 16/12/2014 | LEVEL DATA: Ltopo.dgn | | DATUM: AHD | PROJECT No.: 36182/7B | DRAWN: C.M.B. DATE: MAR 2014 | DESIGNED: Z.W.L. DATE: MAR 2014 | AUTHORISED: A.S.C. DATE: MAR 2014 | VILLAWOOD PROPERTIES P/L TRILLIUM - STAGE 7B 535 MOUNT RIDLEY ROAD MICKLEHAM | 36182/7B R23 |
| E | 16/12/14 | ALL | - | AS CONSTRUCTED | ZWL | | | | | | | | | | REVISION E |
| D | 22/09/14 | 4 | LOT 765 CROSSOVER RELOCATED | ISSUED FOR CONSTRUCTION | ASC | | | | | | | | | | |
| C | 7/07/14 | 4, 18, 19, 20 & 22 | DRAINAGE PITS 6.3, 11.6 & 23.1 RELOCATED | ISSUED FOR CONSTRUCTION | ASC | | | | | | | | | | |
| B | 23/06/14 | 4, 17, 18 & 22 | MW DRAINAGE LINE AMENDED | APPROVED | ASC | | | | | | | | | | |
| A | 01/05/14 | ALL | COUNCIL COMMENTS DATED 22/04/14 | PRELIMINARY | ASC | | | | | | | | | | |
| FILENAME: k:\36182\36182_7b\dgn\r23.dgn | | | | | | | | | | | | | | SHEET 23 OF 27 | |

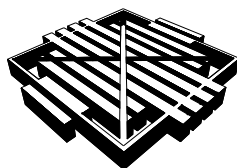


PARKING PLAN

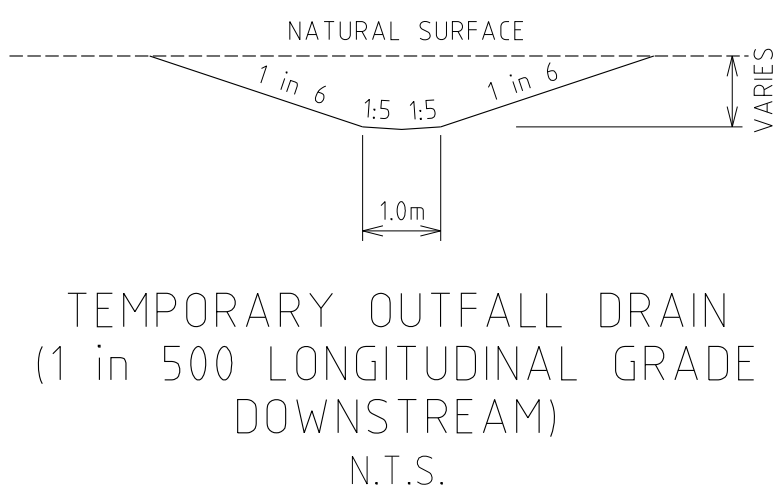
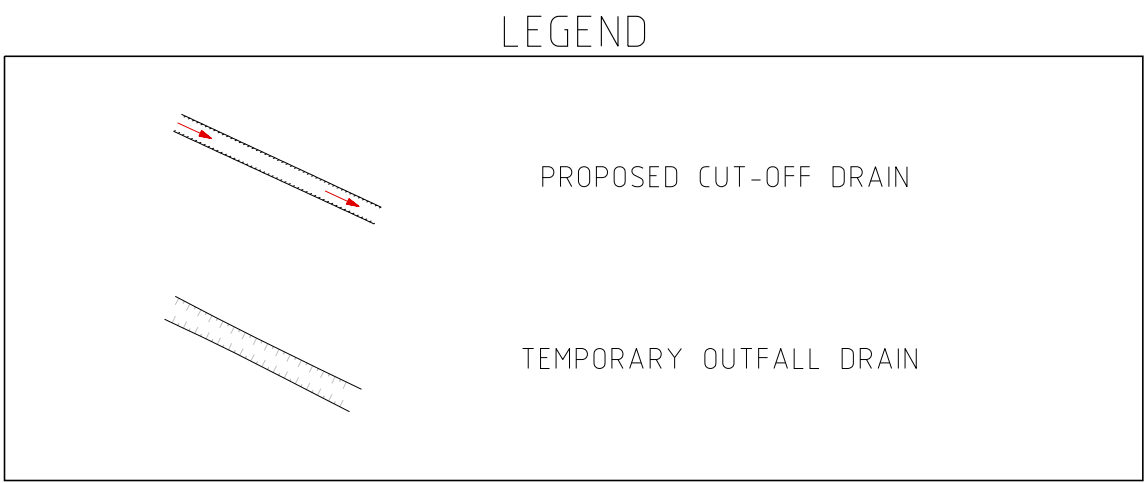


| VERSION DETAILS | | | | | | SCALE: AS SHOWN | | HUME CITY COUNCIL | | PLAN NUMBER |
|---|----------|--------------------|--|-------------------------|------------|-----------------|-----------------------|---|--|-----------------|
| REVISION | DATE | SHEETS REVISED | DESCRIPTIONS | STATUS | AUTHORISED | DATE PRINTED: | 16/12/2014 | <div>MORNINGTON 5 Main Street, Phone:031 5975 4644 Fax:031 5975 3916</div> <div>MELBOURNE The Melbourne, Suite 2 250 St. Kilda Rd. Phone:031 9697 8000 Fax:031 9697 8099</div> <div>• TOWN PLANNERS • CIVIL ENGINEERS • SURVEYORS • Project Managers • Urban Designers • Structural Engineers</div> <div> WATSONS URBAN DEVELOPMENT CONSULTANTS & MANAGERS ABN 47 637 509 613</div> | | 36182/7B R24 |
| E | 16/12/14 | ALL | - | AS CONSTRUCTED | ZWL | LEVEL DATA: | Ltopo.dgn | | | |
| D | 22/09/14 | 4 | LOT 765 CROSSOVER RELOCATED | ISSUED FOR CONSTRUCTION | ASC | DATUM: | AHD | | | |
| C | 7/07/14 | 4, 18, 19, 20 & 22 | DRAINAGE PITS 6.3, 11.6 & 23.1 RELOCATED | ISSUED FOR CONSTRUCTION | ASC | PROJECT No.: | 36182/7B | | | |
| B | 23/06/14 | 4, 17, 18 & 22 | MW DRAINAGE LINE AMENDED | APPROVED | ASC | DRAWN: | C.M.B. DATE: MAR 2014 | | | |
| A | 01/05/14 | ALL | COUNCIL COMMENTS DATED 22/04/14 | PRELIMINARY | ASC | DESIGNED: | Z.W.L. DATE: MAR 2014 | PARKING PLAN | | REVISION E |
| FILENAME: k:\36182\36182_7b\dgn\r24.dgn | | | | | | AUTHORISED: | A.S.C. DATE: MAR 2014 | | | SHEET 24 OF 27 |



| VERSION DETAILS | | | | | | SCALE: | AS SHOWN | | <div>MORNINGTON 5 Main Street, Phone:031 5975 4644 Fax:031 5975 3916</div> <div>MELBOURNE The Melbourne, Suite 2 250 St. Kilda Rd. Phone:031 9697 8000 Fax:031 9697 8099</div> | <div>• TOWN PLANNERS • CIVIL ENGINEERS • SURVEYORS</div> <div>• Project Managers • Urban Designers • Structural Engineers</div> | <div> WATSONS URBAN DEVELOPMENT CONSULTANTS & MANAGERS ABN 47 637 509 613</div> | HUME CITY COUNCIL | | PLAN NUMBER |
|-----------------|------|----------------|--------------|--------|------------|---------------|-----------------------|---|--|---|---|-------------------|---|-------------|
| REVISION | DATE | SHEETS REVISED | DESCRIPTIONS | STATUS | AUTHORISED | DATE PRINTED: | 16/12/2014 | VILLAWOOD PROPERTIES P/L TRILLIUM - STAGE 7B 535 MOUNT RIDLEY ROAD MICKLEHAM | | | | 36182/7B R25 | | |
| | | | | | | LEVEL DATA: | Ltopo.dgn | | | | | | | |
| | | | | | | DATUM: | AHD | | | | | | | |
| | | | | | | PROJECT No.: | 36182/7B | | | | | | | |
| | | | | | | DRAWN: | C.M.B. DATE: MAR 2014 | | | | | REVISION | E | |
| | | | | | | DESIGNED: | Z.W.L. DATE: MAR 2014 | | | | | TURNING TEMPLATES | | |
| | | | | | | AUTHORISED: | A.S.C. DATE: MAR 2014 | | | | | SHEET 25 OF 27 | | |

FILENAME: k:\36182\36182_7b\topo.dgn\r25.dgn



| VERSION DETAILS | | | | | | SCALE: | AS SHOWN | |
|---|----------|--------------------|--|-------------------------|------------|---------------|------------|----------------|
| REVISION | DATE | SHEETS REVISED | DESCRIPTIONS | STATUS | AUTHORISED | DATE PRINTED: | 16/12/2014 | |
| E | 16/12/14 | ALL | - | AS CONSTRUCTED | ZWL | LEVEL DATA: | Ltopo.dgn | |
| D | 22/09/14 | 4 | LOT 765 CROSSOVER RELOCATED | ISSUED FOR CONSTRUCTION | ASC | DATUM: | AHD | |
| C | 7/07/14 | 4, 18, 19, 20 & 22 | DRAINAGE PITS 6.3, 11.6 & 23.1 RELOCATED | ISSUED FOR CONSTRUCTION | ASC | PROJECT No.: | 36182/7B | |
| B | 23/06/14 | 4, 17, 18 & 22 | MW DRAINAGE LINE AMENDED | APPROVED | ASC | DRAWN: | C.M.B. | DATE: MAR 2014 |
| A | 01/05/14 | ALL | COUNCIL COMMENTS DATED 22/04/14 | PRELIMINARY | ASC | DESIGNED: | Z.W.L. | DATE: MAR 2014 |
| FILENAME: k:\36182\36182_7B\dgn\R27.dgn | | | | | | AUTHORISED: | A.S.C. | DATE: MAR 2014 |

MORNINGTON
5 Main Street,
Phone(03) 5975 4644
Fax(03) 5975 3916

MELBOURNE
The Melbourne, Suite 2
250 St. Kilda Rd.
Phone(03) 9697 8000
Fax(03) 9697 8099

- TOWN PLANNERS
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WATSONS
URBAN DEVELOPMENT
CONSULTANTS & MANAGERS
ABN 47 637 509 613

| | | |
|---|--|-----------------|
| HUME CITY COUNCIL | | PLAN NUMBER |
| VILLAWOOD PROPERTIES P/L TRILLIUM - STAGE 7B 535 MOUNT RIDLEY ROAD MICKLEHAM | | 36182/7B R27 |
| TEMPORARY CUTOFF DRAIN & TEMPORARY OUTFALL | | REVISION E |
| | | SHEET 27 OF 27 |