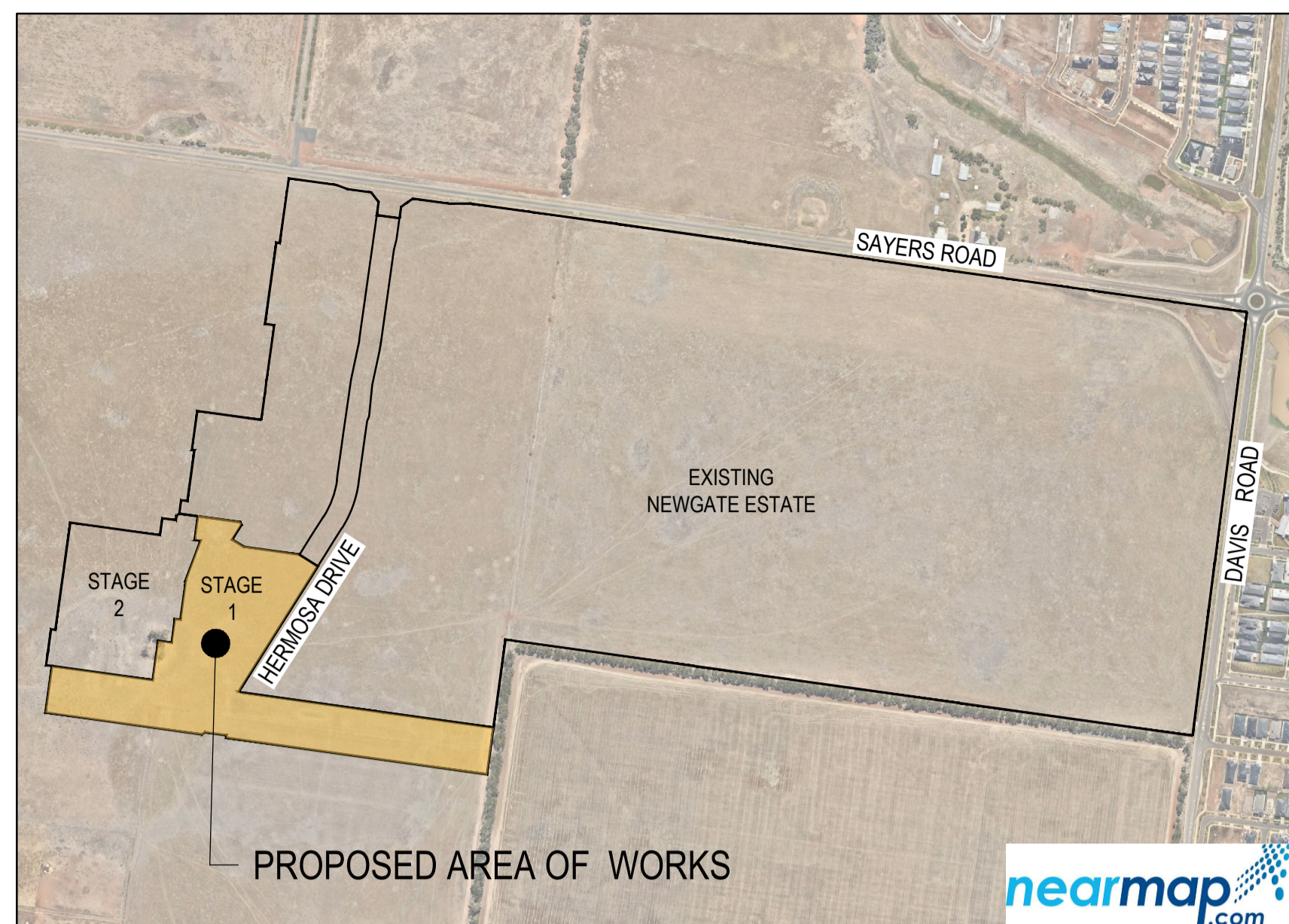


Alamora Estate

Stage 1, Sayers Road, Tarneit



Locality Plan
N.T.S

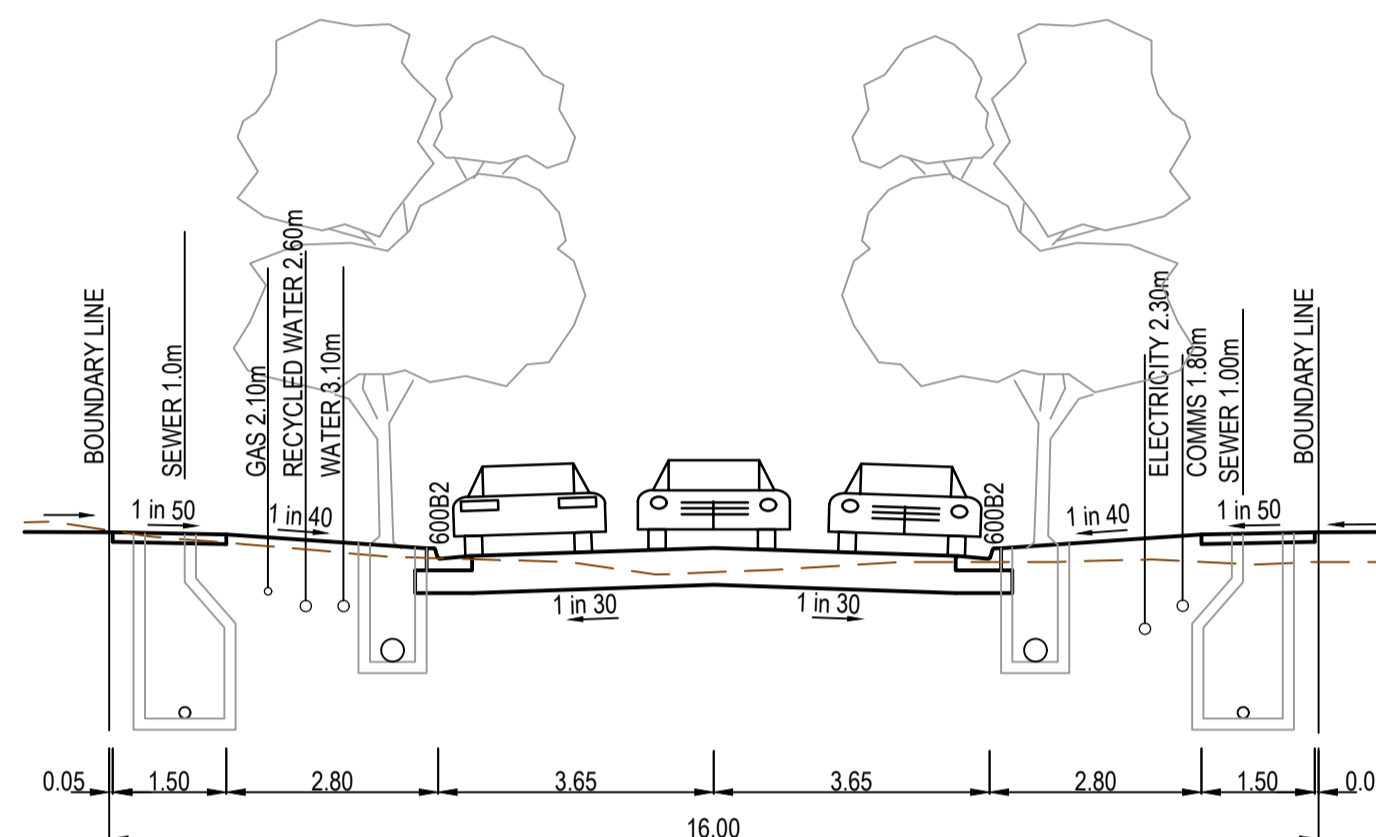
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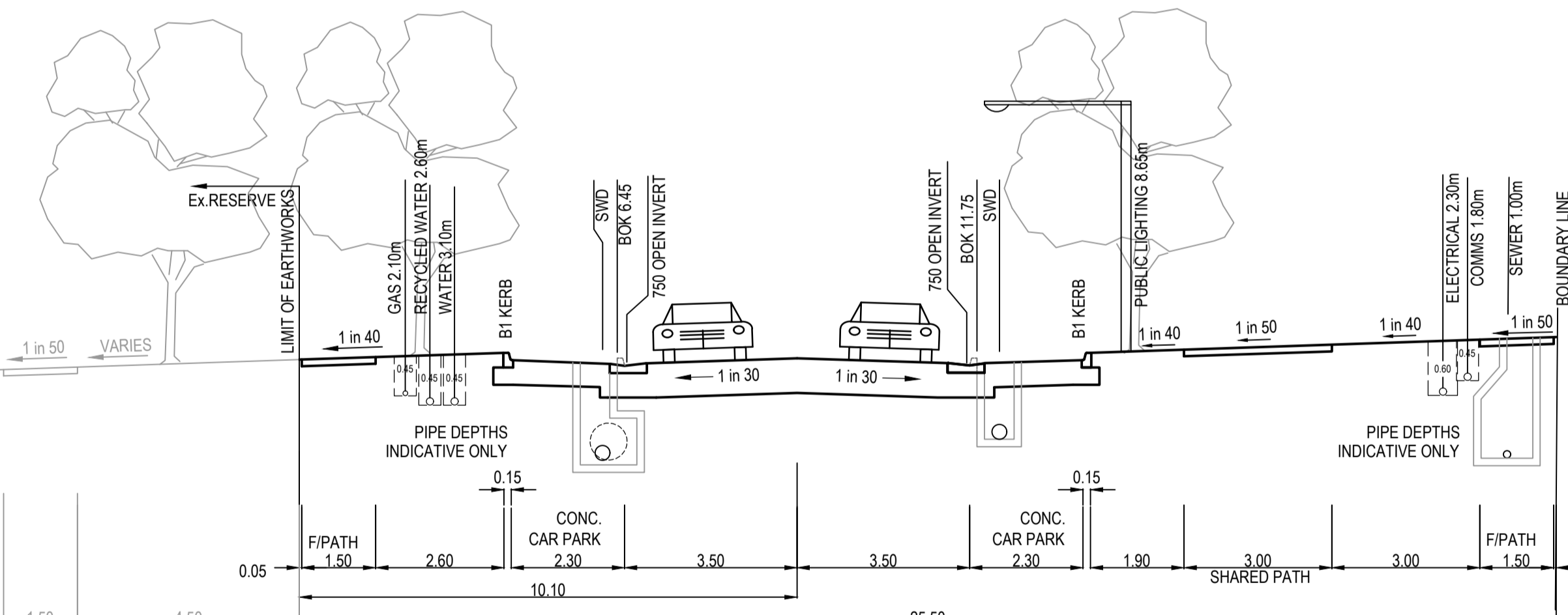
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WARNING
SAFETY MEASURES REQUIRED
Please note there are risks attached to the construction of this project, and any ongoing maintenance of structures. Consider the safety of all. For potential risks, consequences and controls refer to Safety in Design Risk Register SID P4.E6.2070E-A01-85
ASSESS THE RISK - STAY SAFE

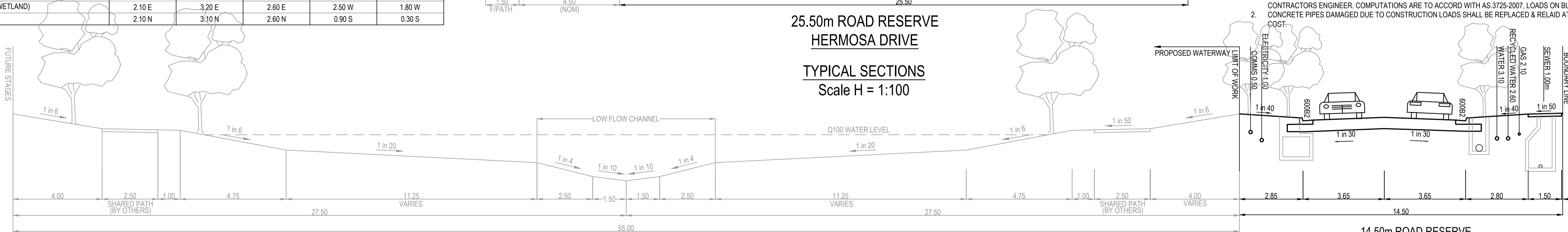
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DIAL 1100 BEFORE YOU DIG
www.1100.com.au



16.0m ROAD RESERVE
ODARA MEWS AND ALISTER GROVE



25.50m ROAD RESERVE
HERMOSA DRIVE
TYPICAL SECTIONS
Scale H = 1:100



55.0m WATERWAY RESERVE (BY OTHERS)

GENERAL NOTES (WYNDHAM CITY COUNCIL)

1. THE WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT EDMC ADDENDUM STANDARD DRAWINGS AND SPECIFICATIONS. WORKS TO BE CARRIED OUT TO THE SATISFACTION OF COUNCIL'S SUPERVISING OFFICER.
2. THE CONTRACTOR IS RESPONSIBLE FOR SAFETY OF WORK ON SITE IN ACCORDANCE WITH APPROPRIATE LEGISLATION. THE CONTRACTOR SHALL ERECT AND MAINTAIN ALL SHORING, PLANKING AND STRUTTING, DEWATERING DEVICES, BARRICADES, SIGNS, LIGHTS, ETC. NECESSARY TO KEEP WORKS IN A SAFE AND STABLE CONDITION, AND TO PROTECT THE PUBLIC FROM HAZARDS ASSOCIATED WITH THE WORKS.
3. THE CONTRACTOR SHALL:
 - 3.1. COMPLY WITH THE SAFETY REQUIREMENTS OF THE MINES ACT, GENERAL REGULATIONS AND STATUTORY RULES, AND THE MINES (TRENCHES) REGULATIONS 1982.
 - 3.2. NOTIFY THE OCCUPATIONAL HEALTH AND SAFETY AUTHORITY OF HIS INTENTION TO COMMENCE TRENCHING OPERATIONS WHERE TRENCHES ARE 1.5 METRES OR DEEPER.
 - 3.3. ENSURE THAT THE MINE MANAGER OR HIS DEPUTY AS REQUIRED BY THE REGULATIONS IS IN ATTENDANCE WHEN TRENCHING OPERATIONS ARE IN PROGRESS.
4. THE CONTRACTOR IS TO NOTIFY COUNCIL AND ALL SERVICE AUTHORITIES SEVEN (7) DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
5. THE LOCATION OF EXISTING SERVICES SHOULD BE DETERMINED BY THE CONTRACTOR PRIOR TO COMMENCING ANY EXCAVATION BY CONTACTING ALL RELEVANT SERVICE AUTHORITIES. ANY EXISTING SERVICES SHOWN ON THE DRAWINGS ARE OFFERED AS A GUIDE ONLY AND ARE NOT GUARANTEED AS CORRECT.
6. TREES MARKED ON THE APPROVED PLANS FOR REMOVAL MUST BE REMOVED FROM THE SITE PRIOR TO THE COMMENCEMENT OF WORKS. NO EXCAVATION SHALL BE CARRIED OUT WITHIN 5.0m OF ANY EXISTING TREE UNTIL APPROVAL HAS BEEN GIVEN BY COUNCIL'S SUPERVISING OFFICER.
7. ALL ROAD CHAINAGES ARE MEASURED ALONG THE ROAD CENTRELINE EXCEPT KERB RETURNS AND COURTHEDS, WHERE LIP OF KERB CHAINAGES ARE SPECIFIED. ALL DIMENSIONS AND RADII ARE GIVEN TO THE LIP OF KERB. DO NOT SCALE OFF THESE DRAWINGS. WRITTEN DIMENSIONS ONLY SHALL BE USED.
8. CONDUIT LOCATIONS ARE SUBJECT TO AMENDMENT AND CONDUITS SHALL NOT BE LAID UNTIL WRITTEN APPROVAL IS GIVEN BY THE SUPERINTENDENT. BOTH KERBS ARE TO BE MARKED WITH THE LETTERS E.G.H.R.T&W ABOVE CONDUIT LOCATIONS AS SPECIFIED. RESPECTIVE LETTERS TO BE INDICATED ABOVE RELEVANT CONDUITS AS PER STANDARD DRAWING EDMC 303. CONDUITS TO BE PLACED MINIMUM OF 5m FROM BOUNDARIES WHERE POSSIBLE AND TO THE SATISFACTION OF THE SUPERINTENDENT IN ACCORDANCE WITH COUNCIL STANDARD DRAWINGS.
9. SUBSOIL DRAINS SHALL BE INSTALLED BEHIND OR BELOW ALL KERB AND CHANNEL AS PER STANDARD DRAWINGS EDMC 202 (EXPANSIVE SUBGRADE).
10. ALL LINEMARKING, SIGNING AND TRAFFIC CONTROL DEVICES TO BE IN ACCORDANCE WITH VICROADS REQUIREMENTS WITH LATERAL WORKS AND ARROWS BEING COLD APPLIED PLASTIC TROWELLED INTO PLACE (MATERIAL DEGAOUR OR PLASTELINE) AND LONGITUDINAL LINES BEING EXTRUDED THERMOPLASTIC MATERIAL (VICROADS SPECIFICATION SEE SECTION 710&722).
11. ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM.
12. THE CONTRACTOR WHEN ENGAGED IN BLASTING OPERATION, SHALL NOT BLAST WITHIN 4.5m OF AN EXISTING LINE OF WATER, GAS OR SEWER PIPES OR WITHIN 15m OF ANY COMPLETED PART OF THE WORKS WITHOUT THE CONSENT OF THE ENGINEER.
13. ALL EXCAVATED OR FILLED AREAS OUTSIDE THE ROAD RESERVES SHALL BE SURFACED WITH A 100mm MINIMUM TO 200mm MAXIMUM LAYER OF TOPSOIL AS SPECIFIED. ALL FILLING ON ALLLOTS TO BE COMPACTED TO 95% STANDARD COMPACTION IN 150mm LAYERS AND AS PER THE SPECIFICATION. WHERE THERE IS FILL IN EXCESS OF 300mm IN DEPTH, THE CONTRACTOR IS TO CARRY OUT SOIL TESTS TO THE REQUIREMENTS OF APPENDIX B AS SPECIFIED IN THE AUSTRALIAN STANDARD AS 3798 TO SHOW THAT LEVEL 1 COMPACTION STANDARDS HAVE BEEN ACHIEVED. TEST RESULTS AND LOCATION OF TESTS FOR EACH ALLOTMENT SHALL BE APPROVED BY THE CONTRACTOR AND FORWARDED TO COUNCIL.
14. FILL MATERIAL USED UNDER PAVEMENTS AND FOOTPATHS MUST BE AN APPROVED MATERIAL TO THE STANDARD OF WYNDHAM CITY COUNCIL. ALL SUCH MATERIAL IS TO BE COMPACTED AS PER THE REQUIREMENTS OF THE SPECIFICATION APPROVED WITH THESE DRAWINGS PRIOR TO FORMWORK BEING PLACED. COMPACTION TESTS TO BE COMPLETED AND PROVIDED TO SUPERINTENDENT.
15. FILL & CUT BATTERS ARE NOT TO EXCEED 1 IN 6 SLOPE, UNLESS SHOWN OTHERWISE.
16. ALL ALLOTMENTS SHALL BE SMOOTHED, GRADED AND SHAPED TO AN EVEN SURFACE WITH A MINIMUM FALL OF 1 IN 150 TO THE DRAINAGE OUTLET SHOWN.
17. ALL DRAINAGE PIPES ARE CLASS 2 RCP PIPES, RUBBER RING JOINTED UNLESS OTHERWISE SPECIFIED.
18. DRAINAGE PITS SHALL BE CAST MONOLITHICALLY. CEMENT RENDER SHALL ONLY BE USED TO REPAIR DEFECTS. BACKFILLING OF TRENCHES WHERE DRAINAGE AND SEWERAGE ARE IN CLOSE PROXIMITY ARE TO BE BACKFILLED AS PER WYNDHAM CITY COUNCIL STANDARD DRAWING SD6-10.
19. ALL SERVICING TRENCHES UNDER ROADS, FOOTPATHS, DRIVEWAYS, PARKING BAYS ETC. ARE TO BE BACKFILLED WITH CLASS 2 F.C.R.
21. ALL HOUSE DRAIN CONNECTIONS TO BE INSTALLED AT 6m FROM THE LOW SIDE BOUNDARY U.O.
22. INVERT OF PROPERTY INLETS TO BE 500mm MINIMUM BELOW FINISHED SURFACE UNLESS NOTED OTHERWISE.
23. VEHICLE CROSSINGS TO BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DRAWINGS EDMC 501 TO 503. DRIVEWAYS TO BE LOCATED MIN 0.75m FROM BUILDING LINE UNLESS SPECIFIED OTHERWISE AND CLEAR OF DRAINAGE PITS, SEWER MAINTENANCE HOLES AND EXISTING TREES. DOUBLE DRIVEWAY WIDTH TO BE 7.0m AT FRONT OF PATH/BUILDING LINE.
24. ADDITIONAL AND OVER-EXCAVATION SHALL BE BACKFILLED IN ACCORDANCE WITH THE PROVISIONS OF THE SPECIFICATION.
25. FOOTPATH CROSSFALL TO BE 1:50
26. ALL FOOTPATHS AND SHARED PEDESTRIAN/BICYCLE PATHS ARE TO BE CONSTRUCTED AS PER CITY OF WYNDHAM SPECIFICATIONS AND MPA STANDARD DRAWINGS EDMC 401 TO 403.
27. ALL EXOTIC (NON NATIVE) TREES AND SHRUBS, INCLUDING DEAD TREES, NOT SHOWN ON THE DRAWINGS BUT LOCATED WITHIN THE WORKS ARE TO BE REMOVED AND DISPOSED OFFSITE.
28. INSTALL BLUE RAISED REFLECTIVE PAVEMENT MARKER (BRPM) ON ROAD CENTRELINE AND "GROUND BALL" MARKER POST TO INDICATE LOCATION OF FIREPLUG.
29. THE CONTRACTOR IS TO ENSURE THAT THEIR CONSTRUCTION PROCEDURES AND STANDARDS CONTROL THE VOLUME AND LOCATION FOR COLLECTION OF SEDIMENT RUNOFF ACCORDING TO CURRENT EPA - ENVIRONMENTAL GUIDELINES FOR MAJOR CONSTRUCTION SITES.
30. UPON COMPLETION OF CONSTRUCTION THE WHOLE SITE SHALL BE CLEANED UP, GRADED AND ALL RUBBISH REMOVED. THE SITE IS TO BE LEFT IN A CLEAN AND TIDY CONDITION TO THE SATISFACTION OF THE SUPERINTENDENT.
31. EXISTING PAVEMENT OR DRAINAGE WORKS DAMAGED DURING CONSTRUCTION OR THE MAINTENANCE PERIOD TO BE REINSTATED TO THE SATISFACTION OF THE COUNCIL ENGINEER.
32. THE LOWER SUB-BASE MATERIAL SHALL BE N.D.C.R. FOR PAVEMENT MAKE UPS AS PER THE STANDARD DRAWINGS OF WYNDHAM CITY COUNCIL.
33. TOTAL LENGTH OF ROADS CONSTRUCTED IS 975m
34. TOTAL LENGTH OF DRAINS CONSTRUCTED IS 1578m
- ALL TOSI TO BE INSTALLED IN ACCORDANCE WITH AS1428.

REINFORCED CONCRETE PIPE

1. ALL STORMWATER DRAINAGE PIPES SHALL NOT BE SUBJECTED TO CONSTRUCTION TRAFFIC LOADING DURING CONSTRUCTION UNLESS THE PIPE STRENGTH CHARACTERISTICS HAVE BEEN COMPUTED AND APPROVED BY THE CONTRACTORS ENGINEER. COMPUTATIONS ARE TO ACCORD WITH AS 3725-2007. LOADS ON BURIED PIPES. CONCRETE PIPES DAMAGED DUE TO CONSTRUCTION LOADS SHALL BE REPLACED & RELIAD AT THE CONTRACTOR'S COST.
- 2.

14.50m ROAD RESERVE
CORONADO WAY

AS CONSTRUCTED PLANS
The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.

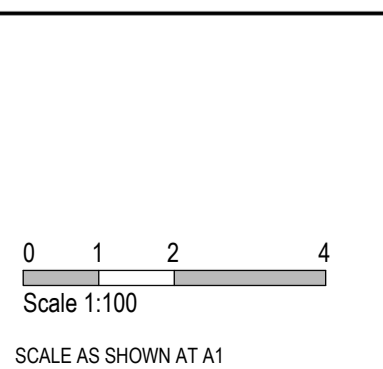
AS CONSTRUCTED

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OHS Management AS/NZS 4501
Environmental Management ISO 14001

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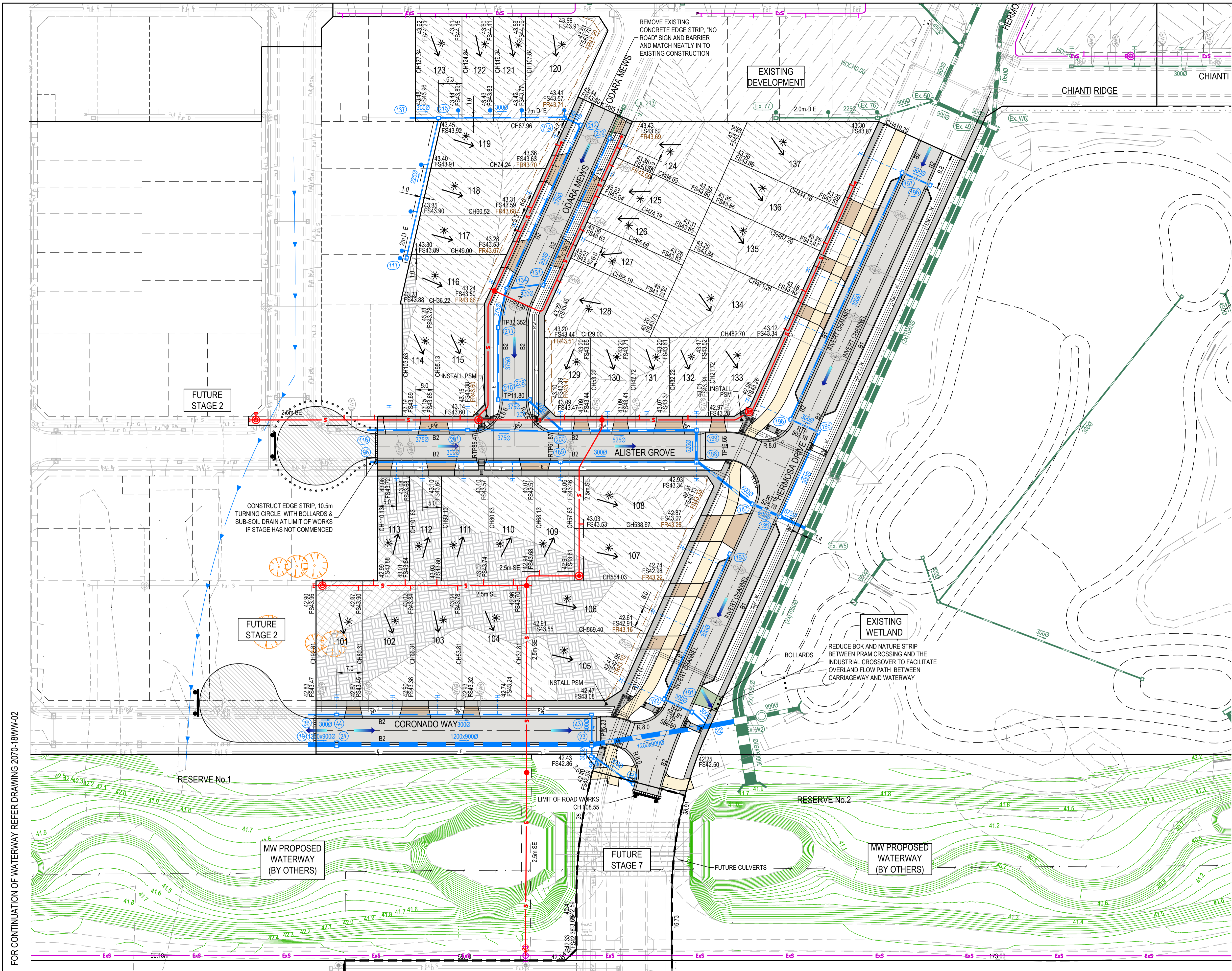
| TITLE | NAME |
|-----------------|-----------|
| DRAFTER | A.Famili |
| DESIGNER | A.Famili |
| CHECKED | N.Freeman |
| AUTHORISED | C.Sexton |
| REFERENCE No. 1 | |
| REFERENCE No. 2 | |



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| | | | |
|---|---------------------------------------|-----------------------|---------------|
| Alamora Estate, Sayers Road, Tarneit - Stage 1 Wyndham City Council Road and Drainage Cover Plan | | | |
| MELWAYS REF 234 D5 | PROJECT / DRAWING No. 2070E-A01-01 | SHEET No. 01 of 20 | REVISION 0 |



LEGEND - LAYOUT PLAN
ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY

| | |
|--|---|
| | STORMWATER DRAIN, PIT & PROPERTY INLET |
| | MAIN DRAIN |
| | SWALE DRAIN |
| | SEWER & MAINTENANCE STRUCTURES |
| | HOUSE DRAIN |
| | ELECTRICITY (U.GROUND) |
| | ELECTRICITY (O.HEAD) |
| | GAS |
| | TELSTRA |
| | OPTIC FIBRE |
| | WATER |
| | RECYCLE WATER |
| | AG. DRAIN |
| | SERVICE CONDUITS |
| | TACTILE PAVERS |
| | EXISTING STORMWATER DRAIN |
| | EXISTING MAIN DRAIN |
| | EXISTING SWALE DRAIN |
| | EXISTING SEWER & MAINTENANCE STRUCTURES |
| | EXISTING HOUSE DRAIN |
| | EXISTING ELECTRICITY (UNDER GROUND) |
| | EXISTING ELECTRICITY OVERHEAD |
| | EXISTING GAS |
| | EXISTING TELSTRA |
| | EXISTING OPTIC FIBRE |
| | EXISTING WATER |
| | EXISTING RECYCLED WATER |
| | EXISTING AG. DRAIN |
| | EXISTING SERVICE CONDUITS |
| | EXISTING TACTILE PAVERS |
| | FUTURE STORMWATER DRAIN |
| | FUTURE MAIN DRAIN |
| | FUTURE SWALE DRAIN |
| | FUTURE SEWER & MAINTENANCE STRUCTURES |
| | FUTURE HOUSE DRAIN |
| | FUTURE ELECTRICITY (UNDER GROUND) |
| | FUTURE ELECTRICITY OVERHEAD |
| | FUTURE GAS |
| | FUTURE TELSTRA |
| | FUTURE OPTIC FIBRE |
| | FUTURE WATER |
| | FUTURE RECYCLED WATER |
| | FUTURE AG. DRAIN |
| | FUTURE SERVICE CONDUITS |
| | FUTURE TACTILE PAVERS |
| | ZERO LOT LINES |
| | 141.34 EXISTING SURFACE LEVEL |
| | FS140.35 FINISHED BUILDING LINE LEVEL |
| | FR157.40 FINISHED RIDGE LINE LEVEL |
| | CHAINAGE |
| | FILL 200-400mm |
| | FILL 400-600mm |
| | FILL 600-800mm |
| | FILL 800-1000mm |
| | FILL 1000-1200mm |
| | DIRECTION OF FALL |
| | OVERLAND FLOW |
| | GRADED IN DIRECTION OF FALL TO LEVEL INDICATED |
| | EDGE STRIP, SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER |
| | PERMANENT SURVEY MARK |
| | TEMPORARY BENCH MARK |
| | PROPOSED DRIVEWAY & FOOTPATH |
| | PROPOSED ROAD PAVING |
| | EXISTING ROAD PAVING |
| | PROPOSED SHARED PATH |
| | PROPOSED COLOUR SKID RESISTANT |

WARNING
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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. Locate all underground services before commencement of works. **DIAL 1100 BEFORE YOU DIG**
www.1100.com.au

SERVICE LOCATIONS ARE IN ACCORDANCE WITH APPENDIX H OF THE MPA GUIDELINES AND THE DETAIL PLAN. **SHOULD NOT** BE RELIED UPON FOR THE ACCURATE POSITIONING OF **DRAINAGE LINES GREATER THAN 450mm BEHIND BACK OF KERB**. PIPES GREATER THAN 450mm WILL BE HAUNCHED UNDERNEATH KERB AND CHANNEL WHERE APPLICABLE TO ENSURE THAT PIT WIDTH BEHIND BACK OF KERB DOES NOT EXCEED 0.9m.

FOR CONTINUATION OF WATERWAY REFER DRAWING 2070-18WWW-02

FOR CONTINUATION OF WATERWAY REFER DRAWING 2070-18WWW-02

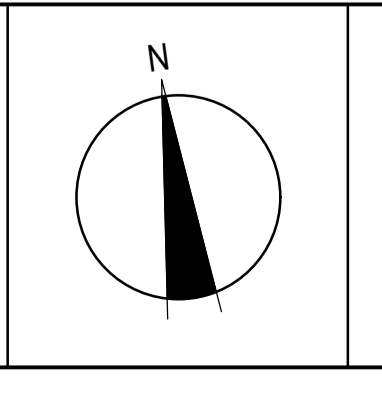
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| DRAFTER | A.Famili |
| DESIGNER | A.Famili |
| CHECKED | N.Freeman |
| AUTHORISED | C.Sexton |
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ALAMORA
Tarnait

Alamora Estate, Sayers Road, Tarnait - Stage 1
Wyndham City Council
Road and Drainage
Layout Plan

| | | | |
|-----------------------|---------------------------------------|-----------------------|---------------|
| MELWAYS REF 234 D5 | PROJECT / DRAWING No. 2070E-A01-02 | SHEET No. 02 of 20 | REVISION 0 |
|-----------------------|---------------------------------------|-----------------------|---------------|



| LEGEND - EARTHWORKS PLAN | |
|--|---|
| ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY | |
| | STORMWATER DRAIN, PIT & PROPERTY INLET |
| | MAIN DRAIN |
| | SWALE DRAIN |
| | SEWER & MAINTENANCE STRUCTURES |
| | HOUSE DRAIN |
| | ELECTRICITY (U.GROUND) |
| | ELECTRICITY (O.HEAD) |
| | GAS |
| | TELSTRA |
| | OPTIC FIBRE |
| | WATER |
| | RECYCLE WATER |
| | SERVICE CONDUITS |
| | TACTILE PAVERS |
| | EXISTING STORMWATER DRAIN |
| | EXISTING MAIN DRAIN |
| | EXISTING SWALE DRAIN |
| | EXISTING SEWER & MAINTENANCE STRUCTURES |
| | EXISTING HOUSE DRAIN |
| | EXISTING ELECTRICITY (UNDER GROUND) |
| | EXISTING ELECTRICITY OVERHEAD |
| | EXISTING GAS |
| | EXISTING TELSTRA |
| | EXISTING OPTIC FIBRE |
| | EXISTING WATER |
| | EXISTING RECYCLED WATER |
| | EXISTING SERVICE CONDUITS |
| | EXISTING TACTILE PAVERS |
| | FUTURE STORMWATER DRAIN |
| | FUTURE MAIN DRAIN |
| | FUTURE SWALE DRAIN |
| | FUTURE SEWER & MAINTENANCE STRUCTURES |
| | FUTURE HOUSE DRAIN |
| | FUTURE ELECTRICITY (UNDER GROUND) |
| | FUTURE ELECTRICITY OVERHEAD |
| | FUTURE GAS |
| | FUTURE TELSTRA |
| | FUTURE OPTIC FIBRE |
| | FUTURE WATER |
| | FUTURE RECYCLED WATER |
| | FUTURE SERVICE CONDUITS |
| | FUTURE TACTILE PAVERS |
| | EXISTING SURFACE LEVEL |
| | FS140.35 FINISHED BUILDING LINE LEVEL |
| | FR157.40 FINISHED RIDGE LINE LEVEL |
| | CH270.00 CHAINAGE |
| | DIRECTION OF FALL |
| | OVERLAND FLOW |
| | GRADED IN DIRECTION OF FALL TO LEVEL INDICATED |
| | EDGE STRIP, SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER |
| | EXISTING TREE TO BE RETAINED |
| | EXISTING TREE TO BE REMOVED |
| | PERMANENT SURVEY MARK |
| | TEMPORARY BENCH MARK |
| | PROPOSED DRIVEWAY & FOOTPATH |
| | PROPOSED SHARED FOOTPATH |
| | PROPOSED ROAD PAVING |
| | EXISTING ROAD PAVING |
| | PROPOSED COLOUR SKID RESISTANT |
| | FILL 200-400mm |
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| | FILL 600-800mm |
| | FILL 800-1000mm |
| | FILL 1000-1200mm |

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AS CONSTRUCTED

| TITLE | NAME |
|-----------------|-----------|
| DRAFTER | A.Famili |
| DESIGNER | A.Famili |
| CHECKED | N.Freeman |
| AUTHORISED | C.Sexton |
| REFERENCE No. 1 | |
| REFERENCE No. 2 | |

Scale 1:500
 Scale AS SHOWN AT 1

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ALAMORA
Tarnait

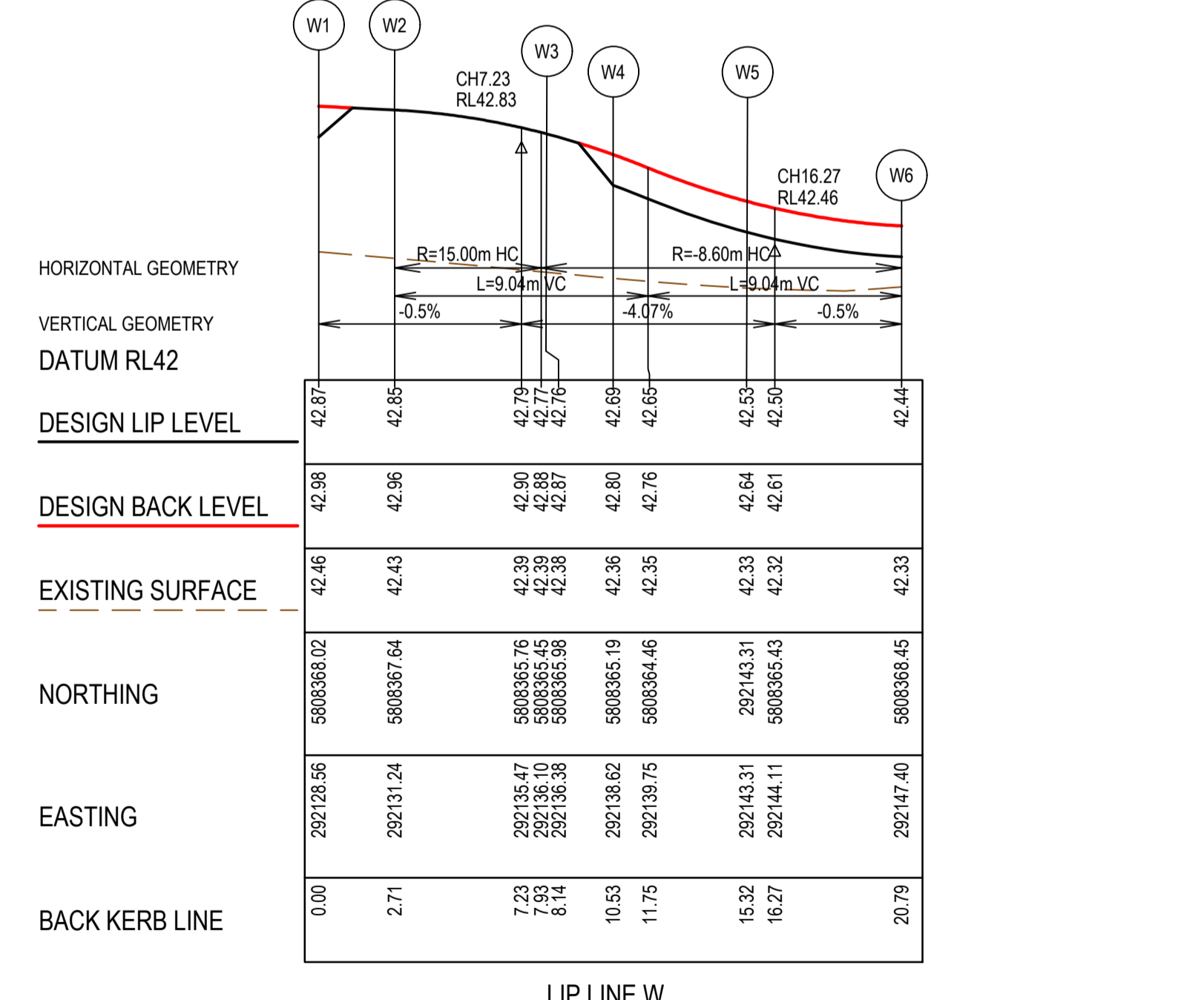
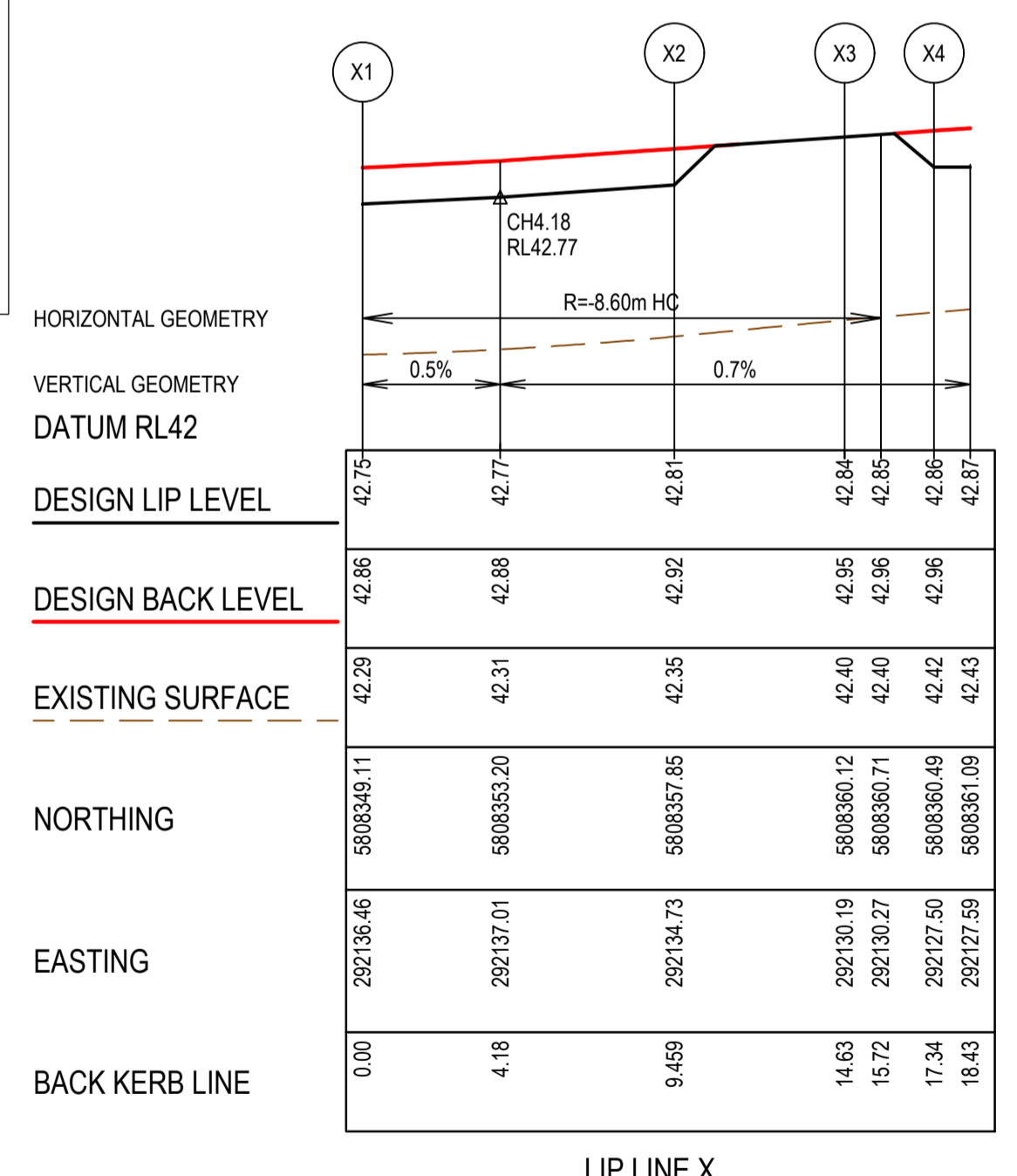
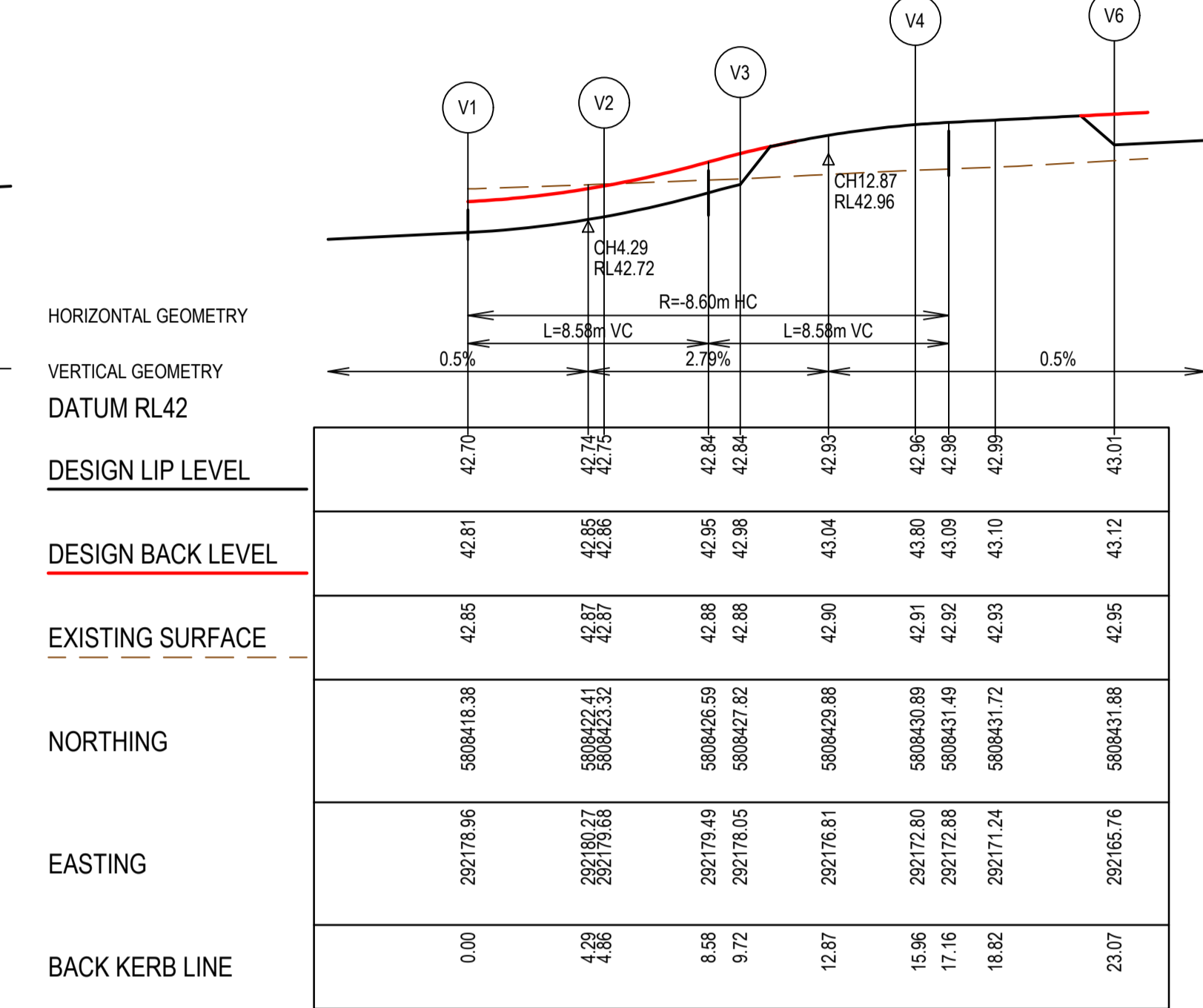
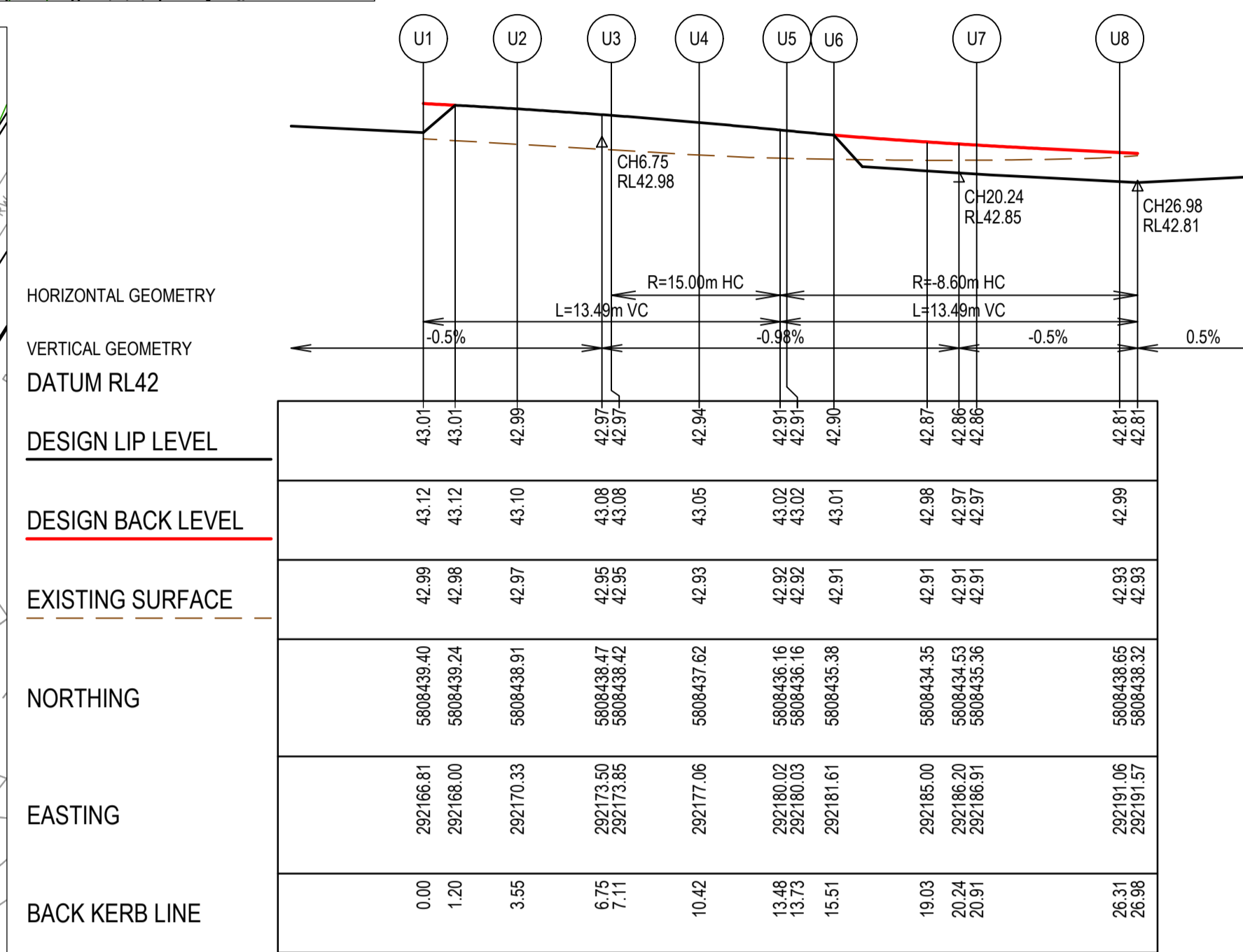
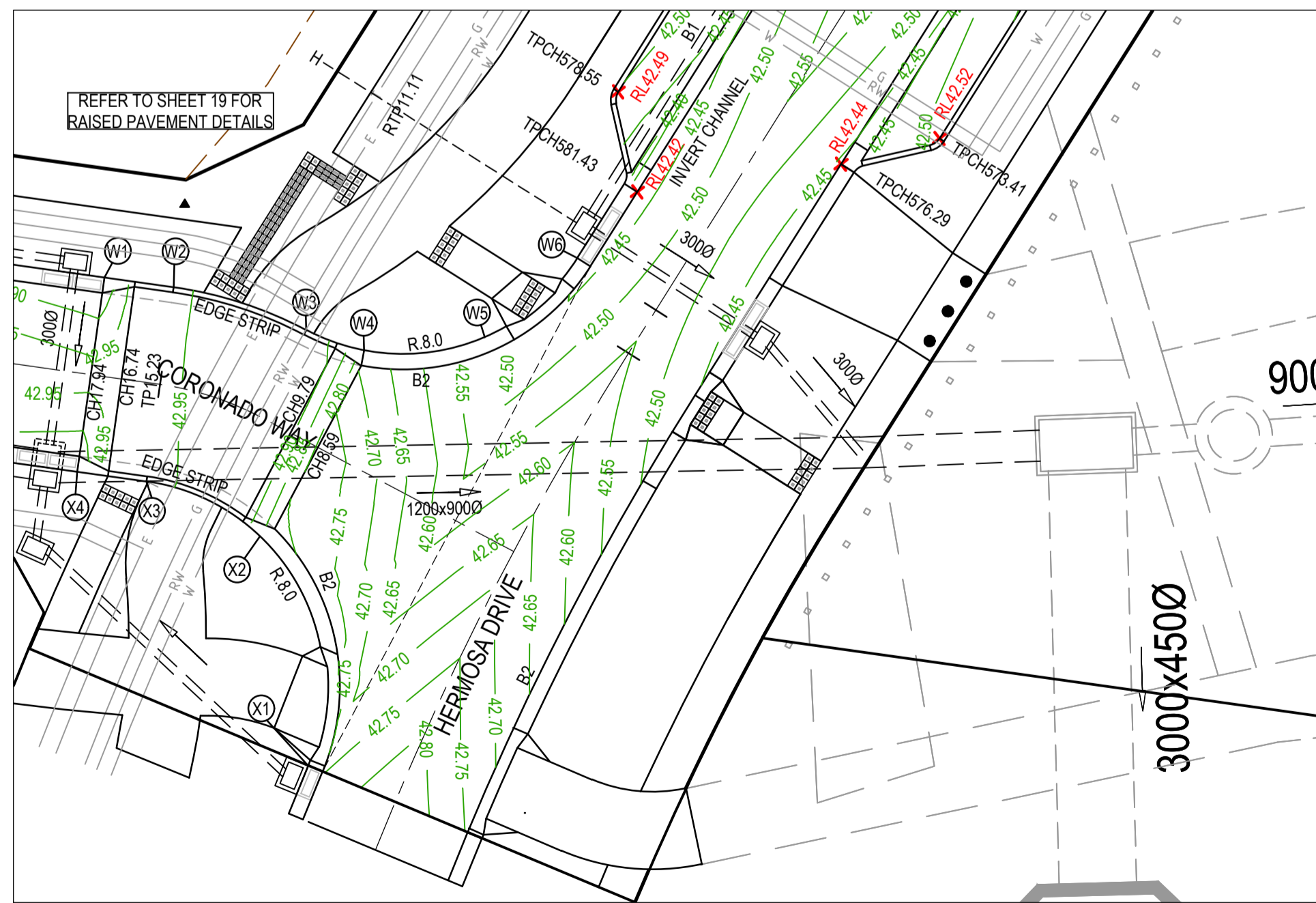
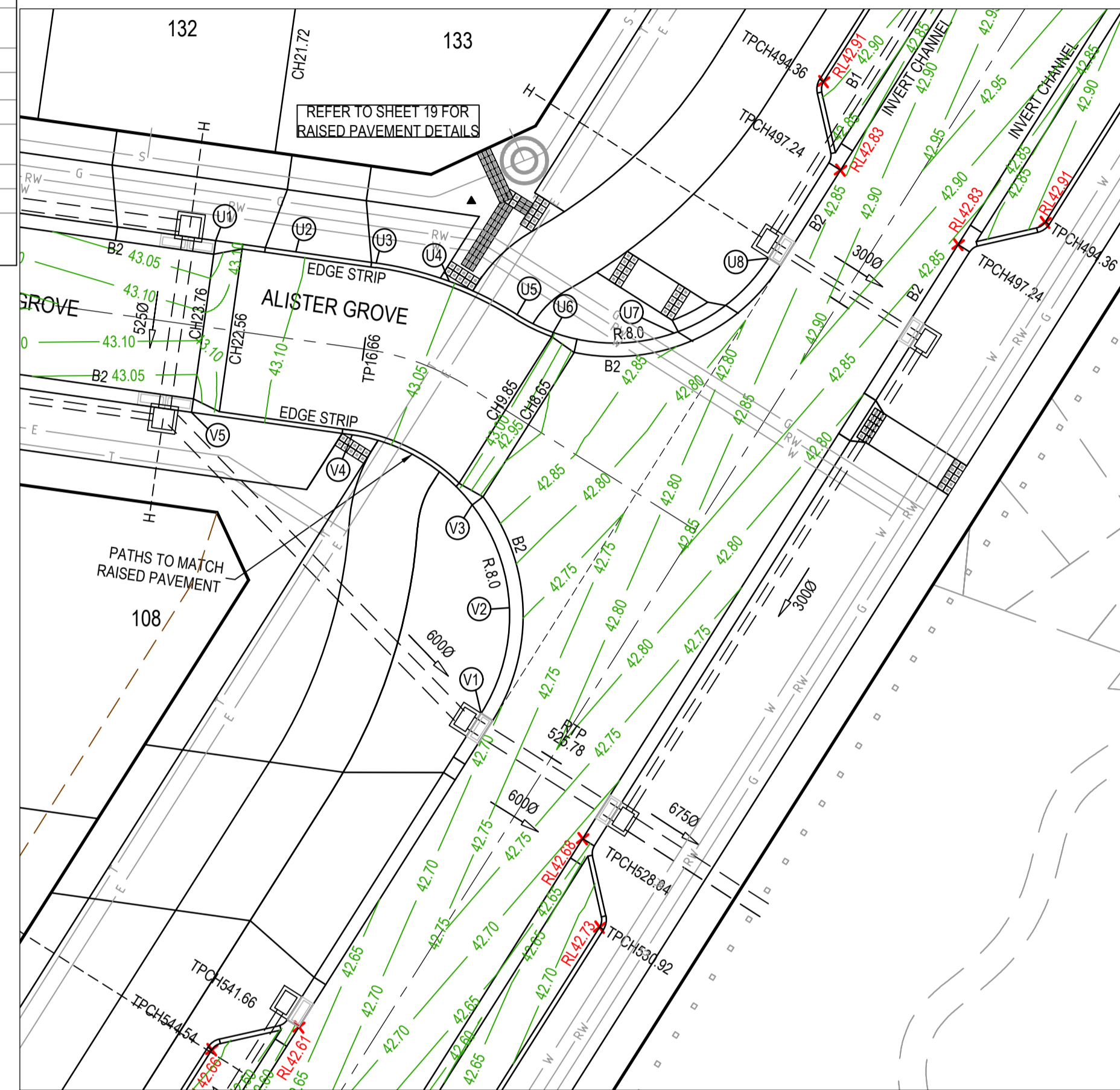
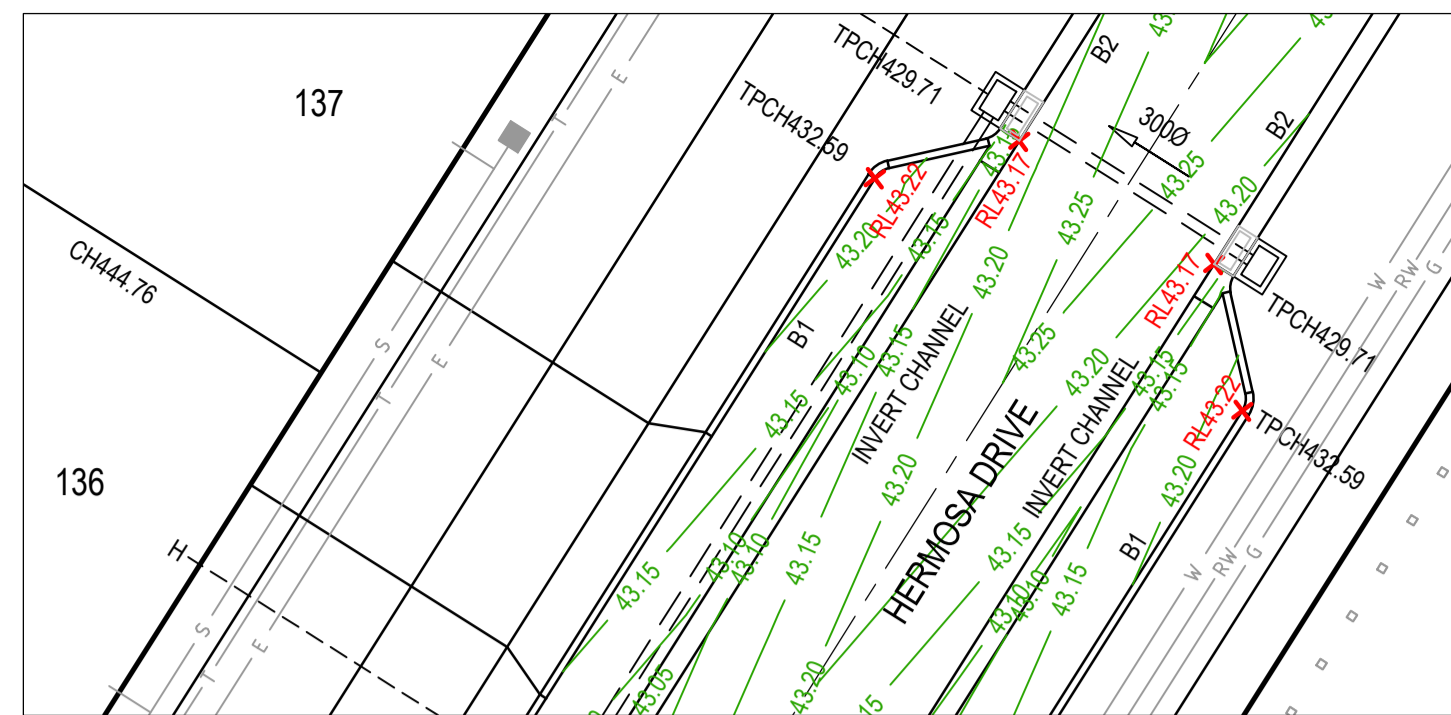
Alamora Estate, Sayers Road, Tarnait - Stage 1
 Wyndham City Council
 Road and Drainage
 Earthworks Layout Plan

| | | | |
|-------------------------|---------------------------------------|-----------------------|---------------|
| MELBOURNE REF 234 D5 | PROJECT / DRAWING No. 2070E-A01-03 | SHEET No. 03 of 20 | REVISION 0 |
|-------------------------|---------------------------------------|-----------------------|---------------|

LEGEND - INTERSECTION DETAIL PLAN

ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY

| | |
|--|---|
| | STORMWATER DRAIN, PIT & PROPERTY INLET |
| | MAIN DRAIN |
| | SEWER & MAINTENANCE STRUCTURES |
| | HOUSE DRAIN |
| | SERVICE CONDUITS |
| | TACTILE PAVERS |
| | EXISTING STORMWATER DRAIN |
| | EXISTING MAIN DRAIN |
| | EXISTING SEWER & MAINTENANCE STRUCTURES |
| | EXISTING SERVICE CONDUITS |
| | EXISTING TACTILE PAVERS |
| | FUTURE STORMWATER DRAIN |
| | FUTURE MAIN DRAIN |
| | FUTURE SEWER & MAINTENANCE STRUCTURES |
| | FUTURE HOUSE DRAIN |
| | FUTURE SERVICE CONDUITS |
| | FUTURE TACTILE PAVERS |
| | EDGE STRIP, SUBSOIL DRAIN, 'NO ROAD' SIGN & BARRIER |
| | PERMANENT SURVEY MARK |
| | TEMPORARY BENCH MARK |
| | PROPOSED DRIVEWAY & FOOTPATH |



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.
 Locate all underground services before commencement of works
DIAL 1100 BEFORE YOU DIG
 www.1100.com.au

AS CONSTRUCTED PLANS

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AS CONSTRUCTED

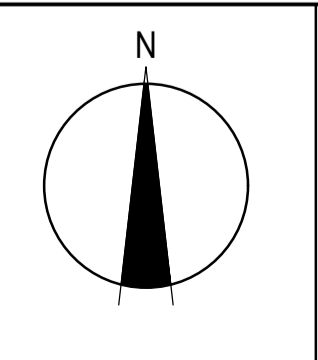
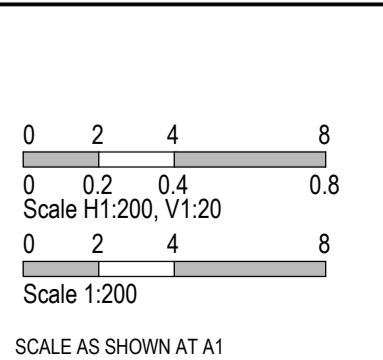
All setting out should be carried out in accordance with MPA/Council's standard drawings or as nominated on hard copy plans provided by SMEC. Any digital information supplied by this office is for information only. Any discrepancies should be discussed with the superintendent.

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OH&S Management AS/NZS 4500
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Environmental Management ISO 14001
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| TITLE | NAME |
|-----------------|-----------|
| DRAFTER | A.Famili |
| DESIGNER | A.Famili |
| CHECKED | N.Freeman |
| AUTHORISED | C.Sexton |
| REFERENCE No. 1 | |
| REFERENCE No. 2 | |



SMEC

Member of the Surlana Jurong Group

ABN 47 065 475 149

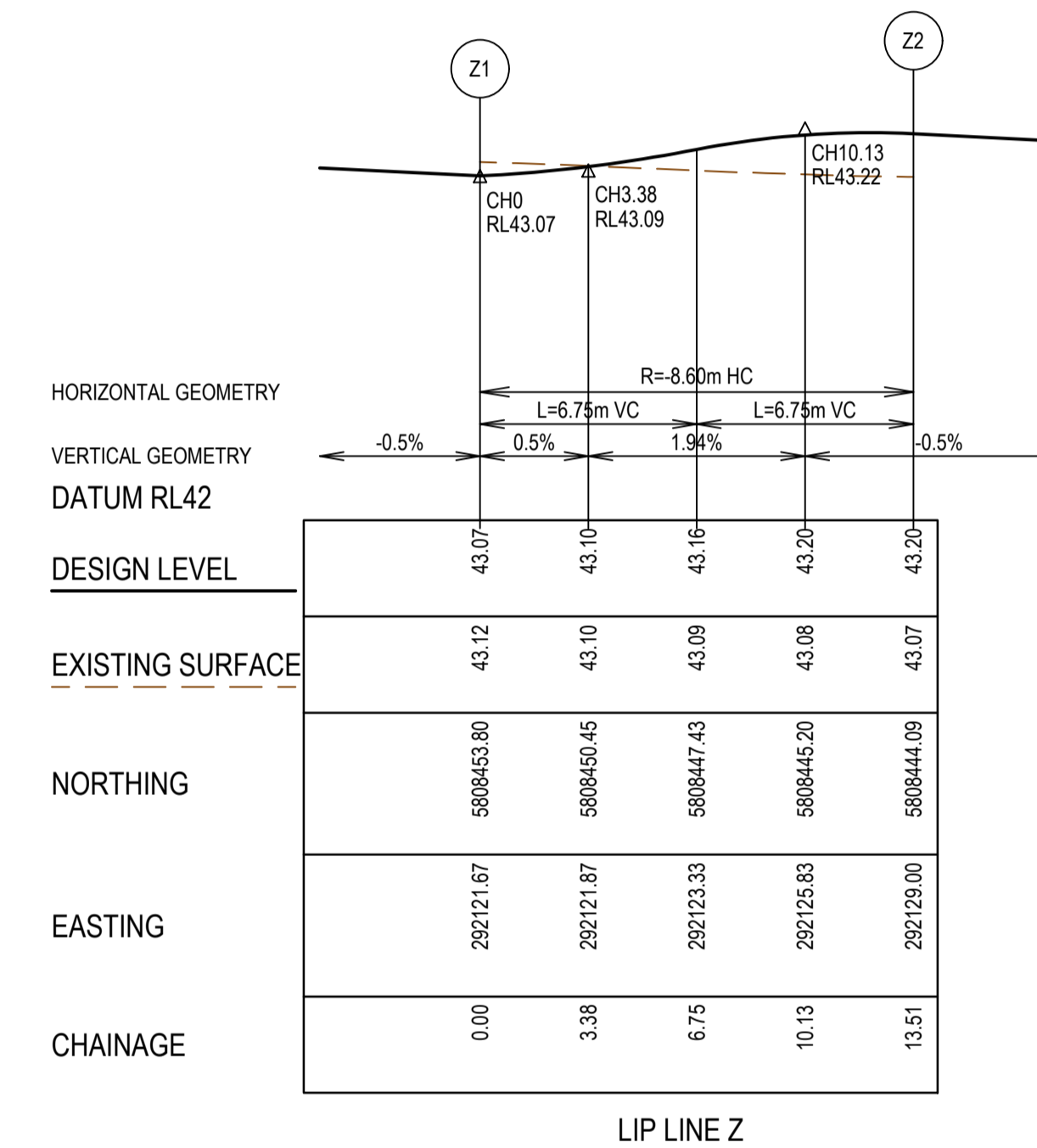
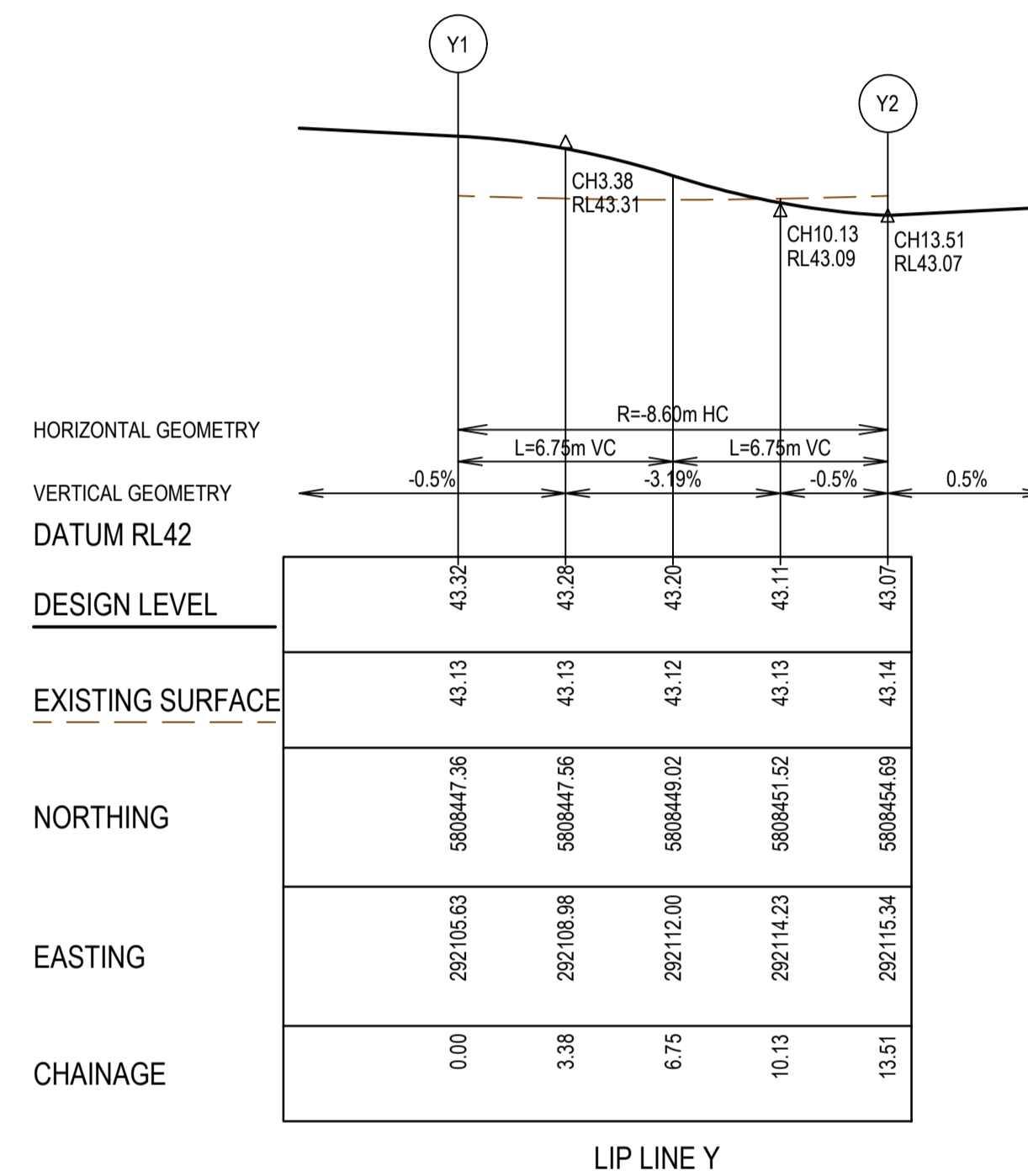
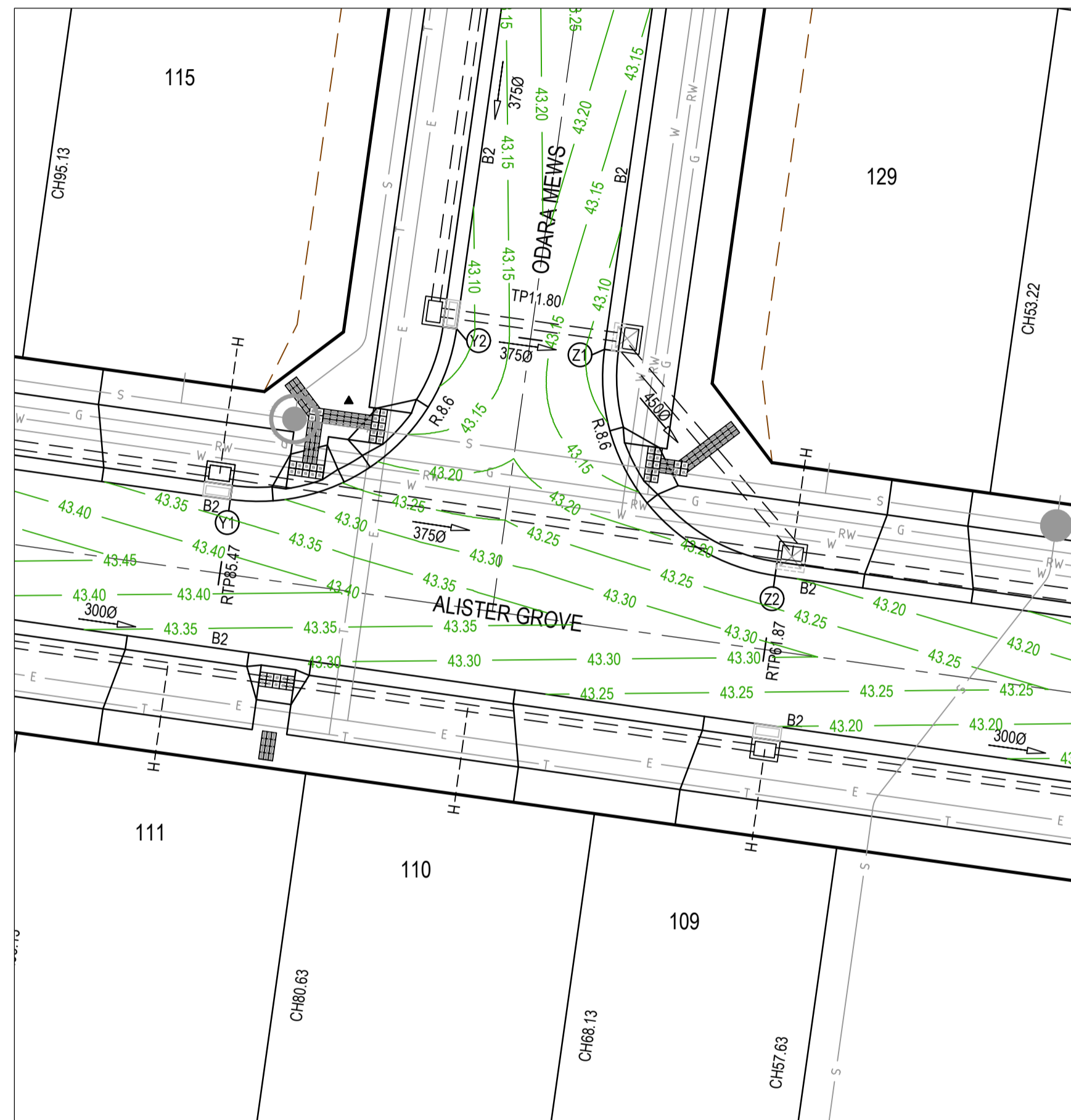
Collins Square, Tower 4, Level 20, 727 Collins St
 Melbourne, VIC 3008
 Ph 03 9514 1500

ALAMORA
Tarnait

Alamora Estate, Sayers Road, Tarnait - Stage 1
 Wyndham City Council
 Road and Drainage
 Intersection Detail Plan - 1

| | | | |
|------------------------------|--|------------------------------|----------------------|
| MELWAYS REF 234 D5 | PROJECT / DRAWING No. 2070E-A01-04 | SHEET No. 04 of 20 | REVISION 0 |
|------------------------------|--|------------------------------|----------------------|

| LEGEND - INTERSECTION DETAIL PLAN | |
|--|---|
| ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY | |
| | STORMWATER DRAIN, PIT & PROPERTY INLET |
| | MAIN DRAIN |
| | SEWER & MAINTENANCE STRUCTURES |
| | HOUSE DRAIN |
| | SERVICE CONDUITS |
| | TACTILE PAVERS |
| | EXISTING STORMWATER DRAIN |
| | EXISTING MAIN DRAIN |
| | EXISTING SEWER & MAINTENANCE STRUCTURES |
| | EXISTING SERVICE CONDUITS |
| | EXISTING TACTILE PAVERS |
| | FUTURE STORMWATER DRAIN |
| | FUTURE MAIN DRAIN |
| | FUTURE SEWER & MAINTENANCE STRUCTURES |
| | FUTURE SERVICE CONDUITS |
| | FUTURE TACTILE PAVERS |
| | EDGE STRIP, SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER |
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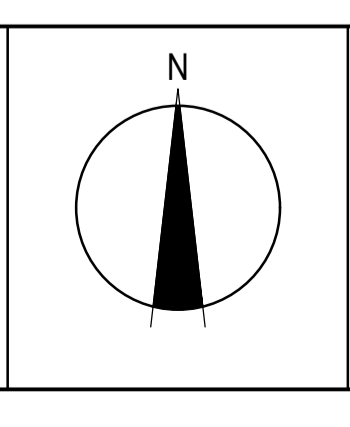
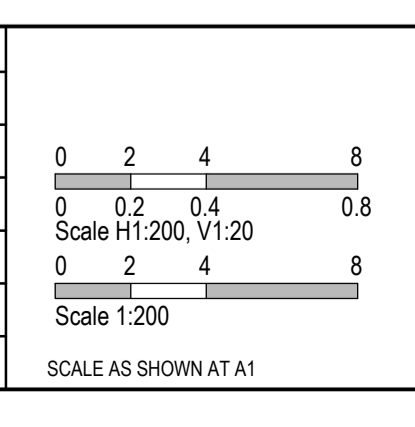
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 OHS Management AS/NZS 1801
 Environmental Management ISO 14001

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| TITLE | NAME |
|-----------------|-----------|
| DRAFTER | A.Famili |
| DESIGNER | A.Famili |
| CHECKED | N.Freeman |
| AUTHORISED | C.Sexton |
| REFERENCE No. 1 | |
| REFERENCE No. 2 | |



SMEC

Member of the **Surbana Jurong Group**

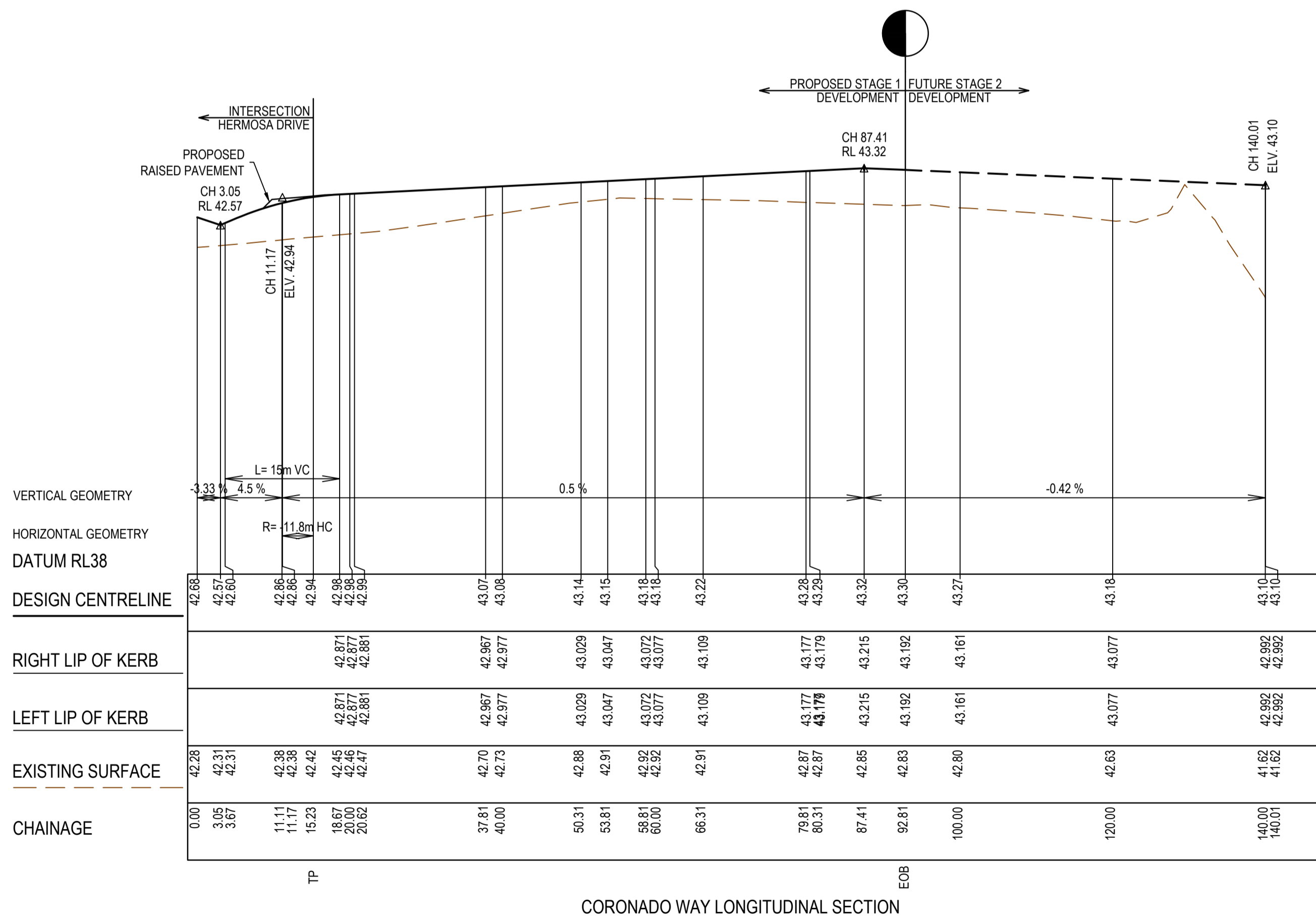
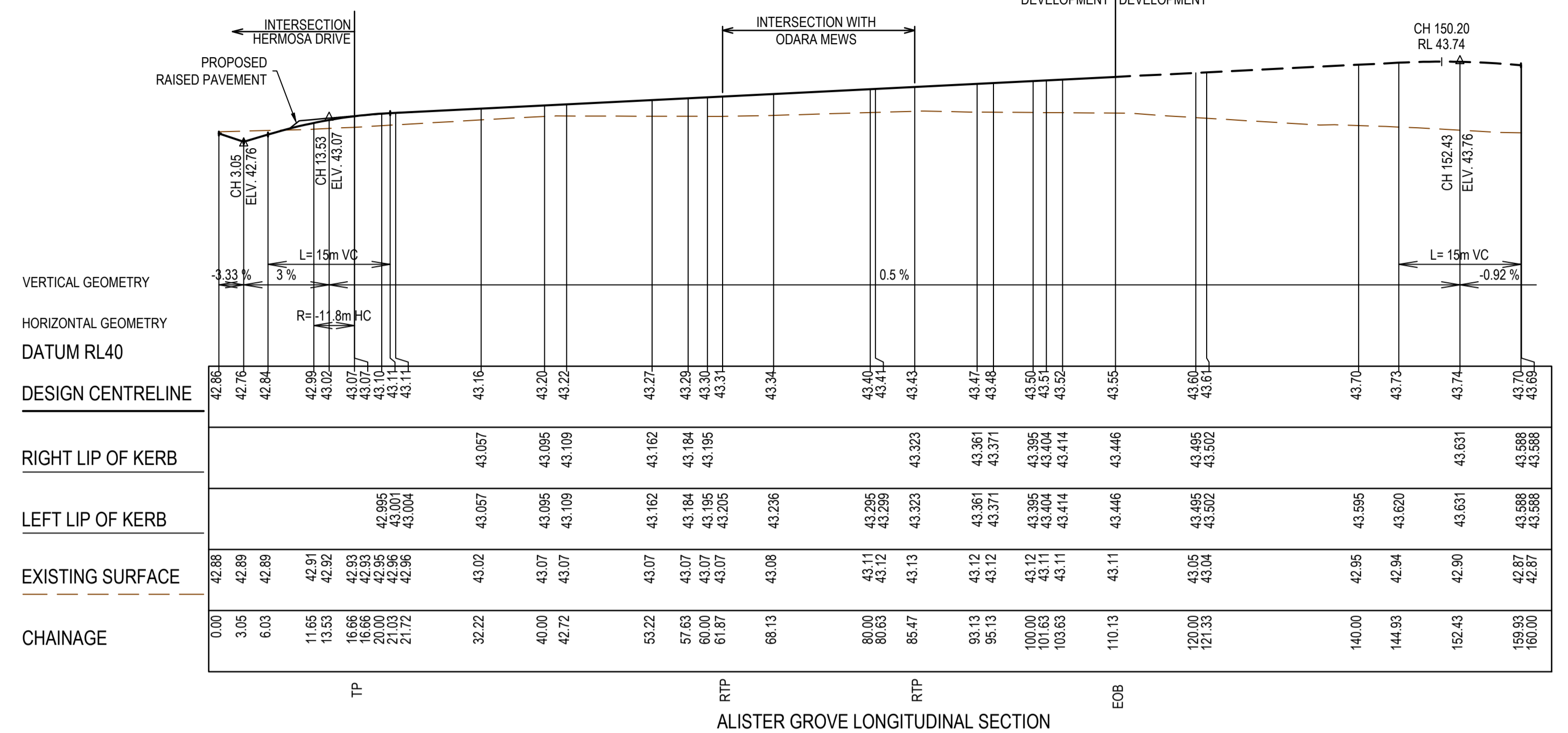
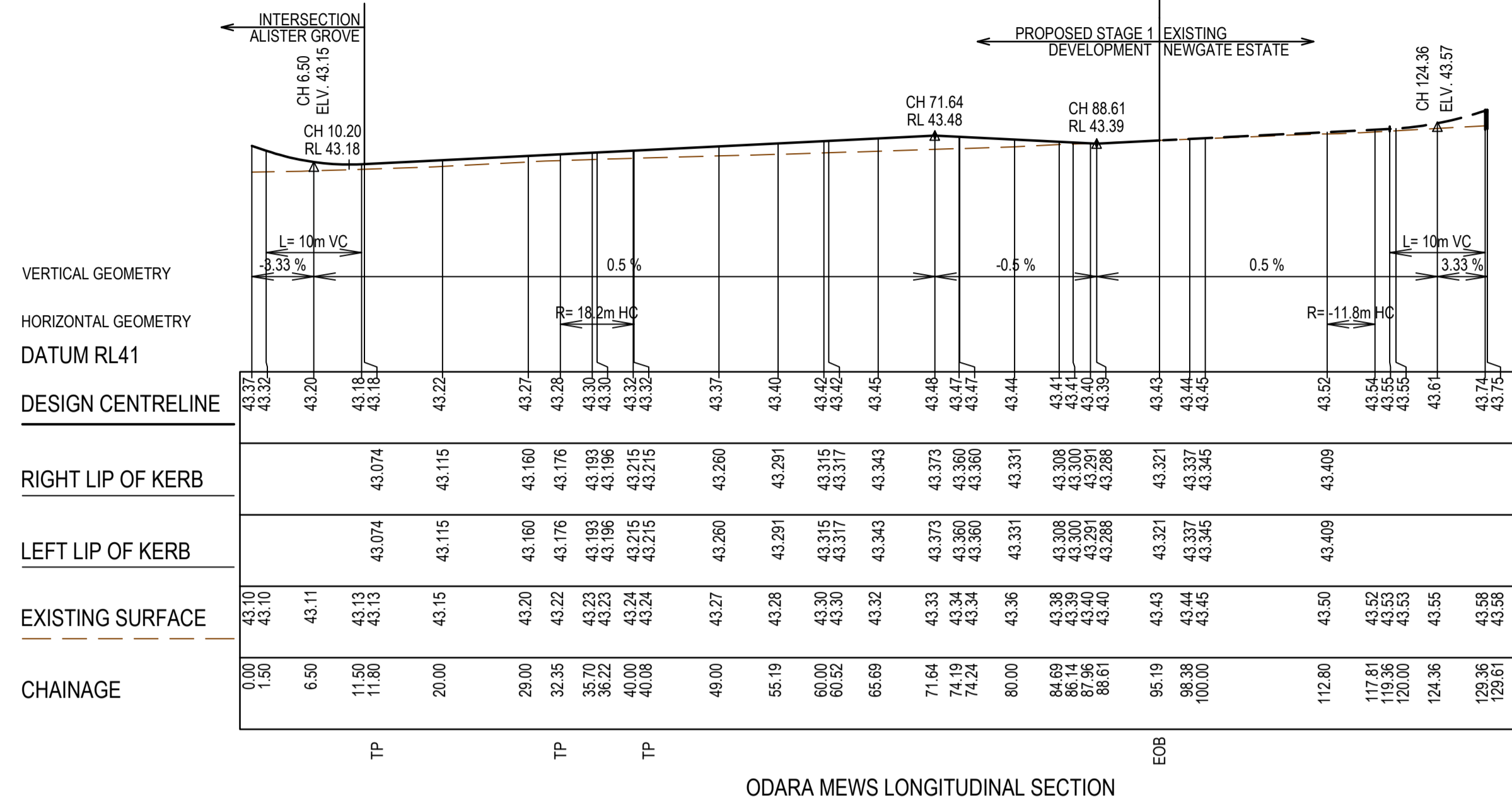
ABN 47 065 475 149

Collins Square, Tower 4, Level 20, 727 Collins St
 Melbourne, VIC 3008
 Ph 03 9514 1500

ALAMORA
Tarnait

Alamora Estate, Sayers Road, Tarnait - Stage 1
 Wyndham City Council
 Road and Drainage
 Intersection Detail Plan - 2

| | | | |
|------------------------------|--|------------------------------|----------------------|
| MELWAYS REF 234 D5 | PROJECT / DRAWING No. 2070E-A01-05 | SHEET No. 05 of 20 | REVISION 0 |
|------------------------------|--|------------------------------|----------------------|



AS CONSTRUCTED PLANS

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|-----------------|-----------|
| DRAFTER | A.Famili |
| DESIGNER | A.Famili |
| CHECKED | N.Freeman |
| AUTHORISED | C.Sexton |
| REFERENCE No. 1 | |
| REFERENCE No. 2 | |

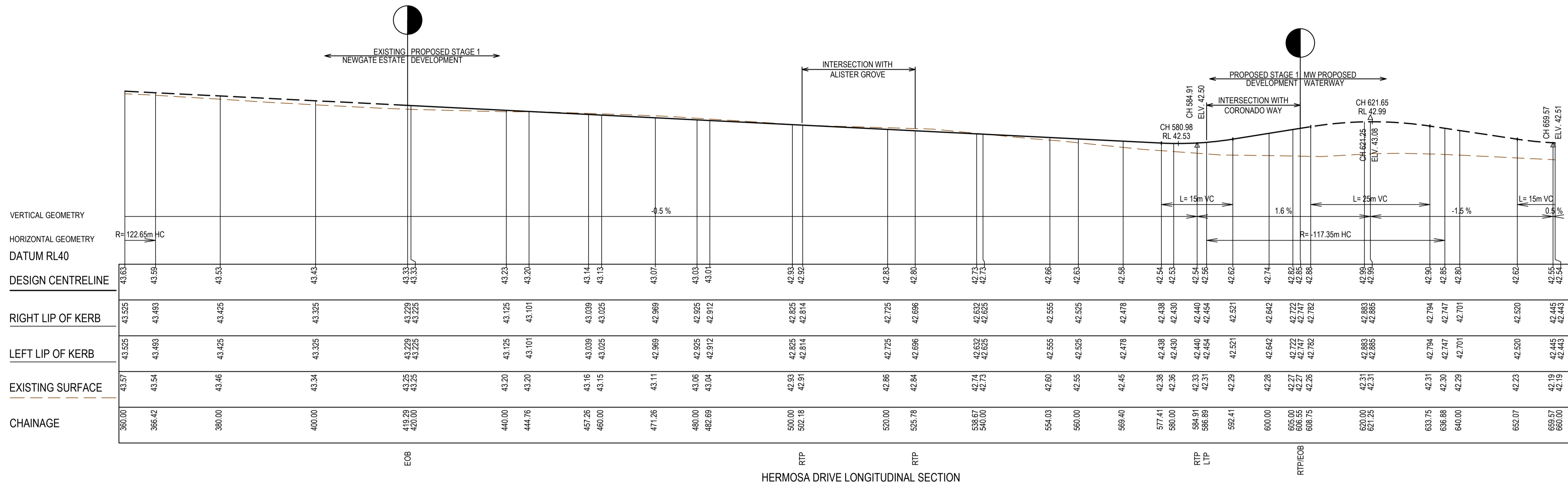
0 5 10 20
0 0.5 1 2
SCALE AS SHOWN AT 1

SMEC
Member of the Surlana Jurong Group
ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

ALAMORA
Tarnet

Alamora Estate, Sayers Road, Tarnet - Stage 1
Wyndham City Council
Road and Drainage
Longitudinal Sections - 1

| | | | |
|------------------------------|--|------------------------------|----------------------|
| MELWAYS REF 234 D5 | PROJECT / DRAWING No. 2070E-A01-06 | SHEET No. 06 of 20 | REVISION 0 |
|------------------------------|--|------------------------------|----------------------|



HERMOSA DRIVE LONGITUDINAL SECTION

AS CONSTRUCTED PLANS

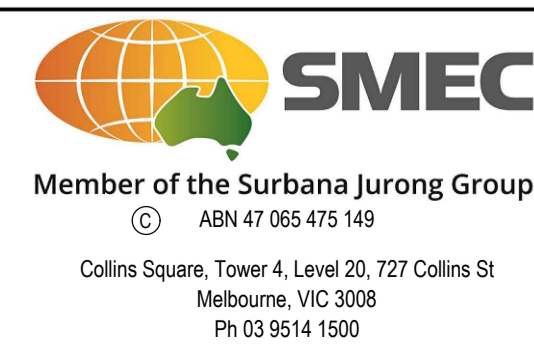
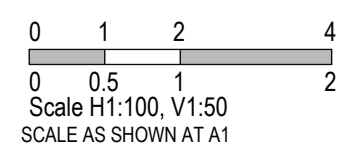
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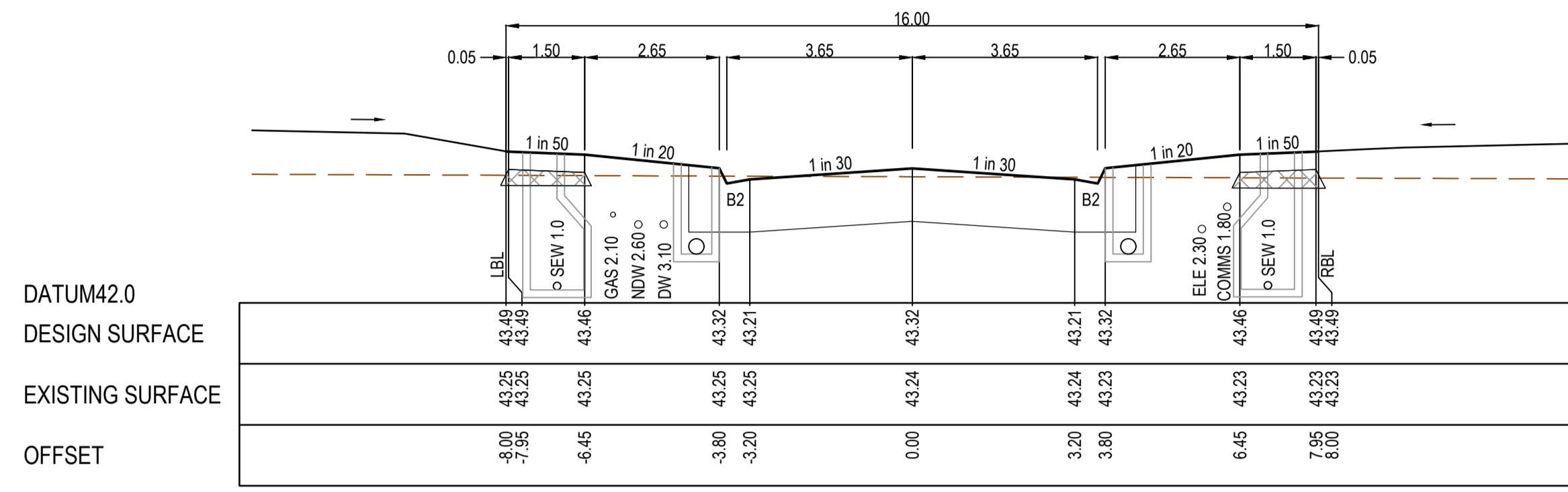
| TITLE | NAME |
|-----------------|-----------|
| DRAFTER | A.Famili |
| DESIGNER | A.Famili |
| CHECKED | N.Freeman |
| AUTHORISED | C.Sexton |
| REFERENCE No. 1 | |
| REFERENCE No. 2 | |



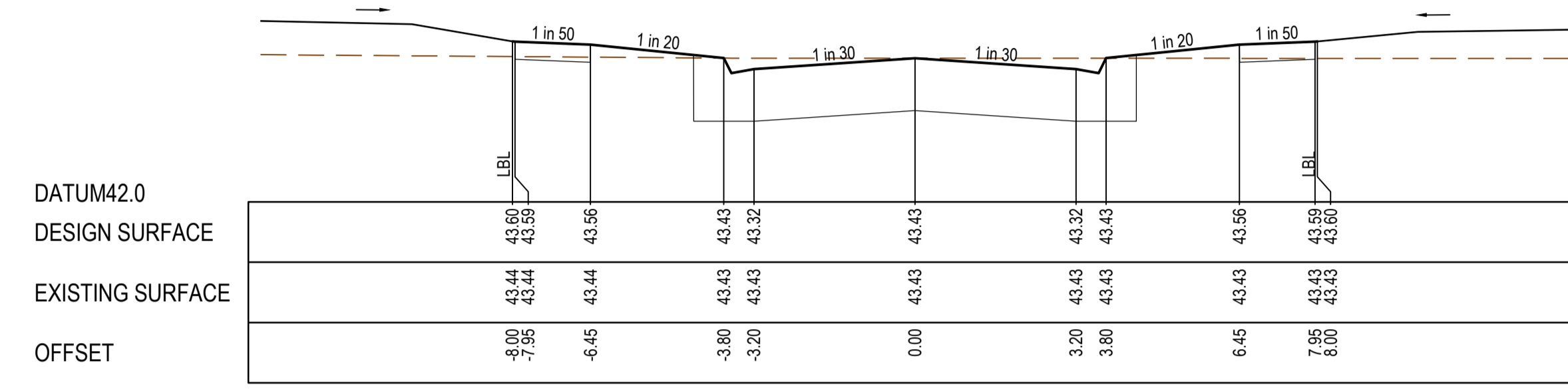
Alamora Estate, Sayers Road, Tarneit - Stage 1
Wyndham City Council
Road and Drainage
Longitudinal Sections - 2

| | | | |
|------------------------------|--|------------------------------|----------------------|
| MELWAYS REF 234 D5 | PROJECT / DRAWING No. 2070E-A01-07 | SHEET No. 07 of 20 | REVISION 0 |
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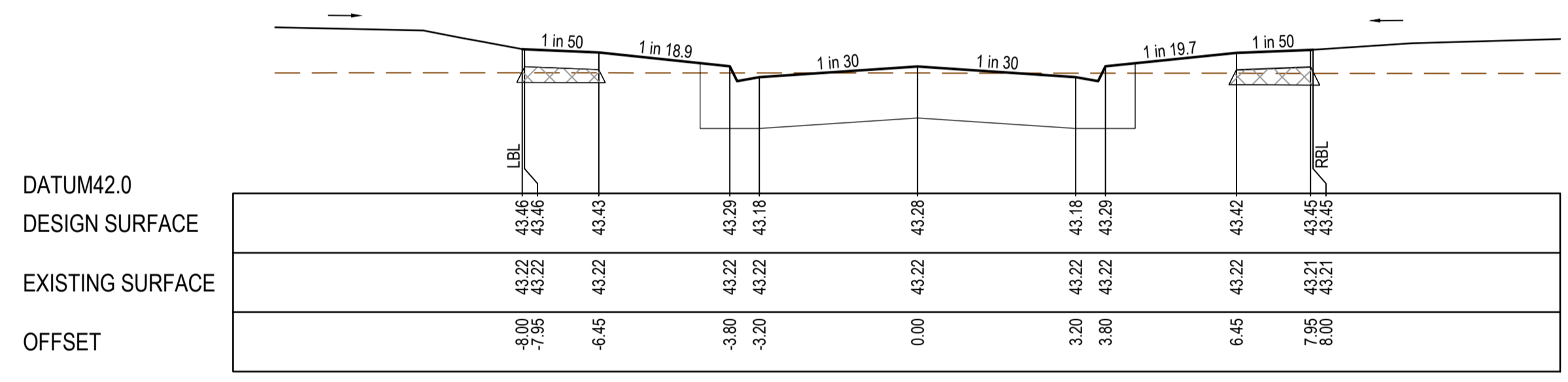
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE



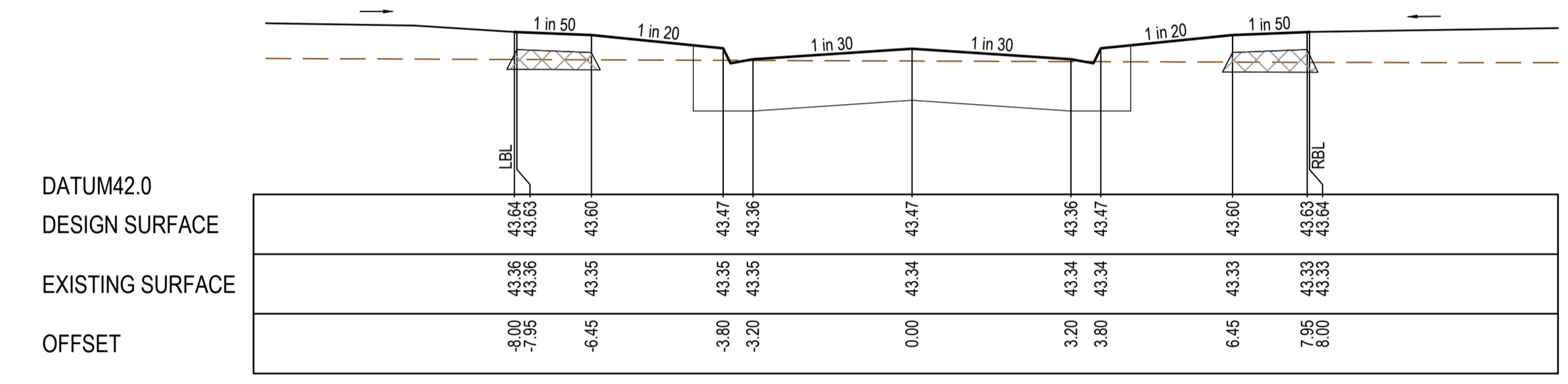
TP CH 40.08



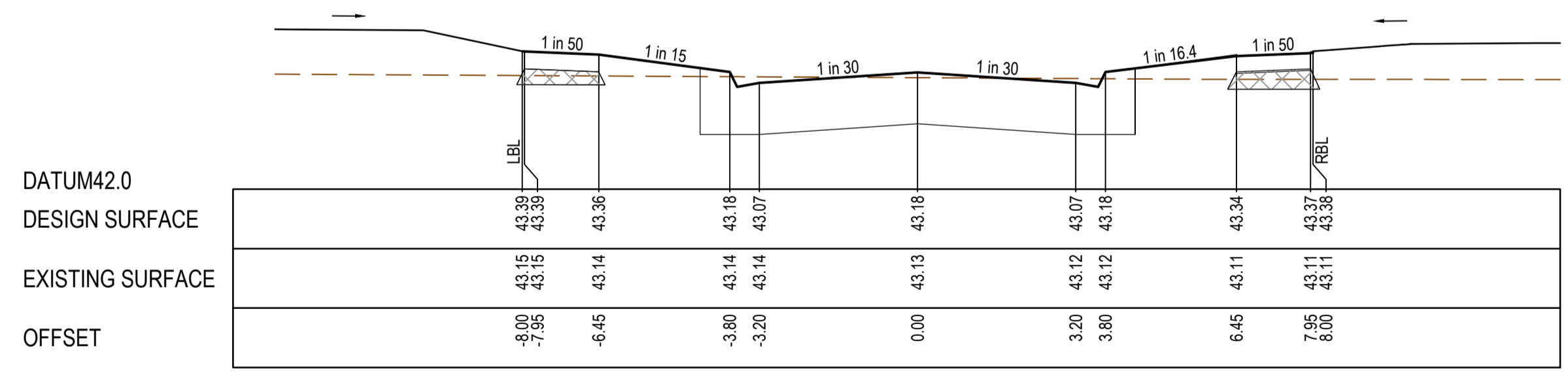
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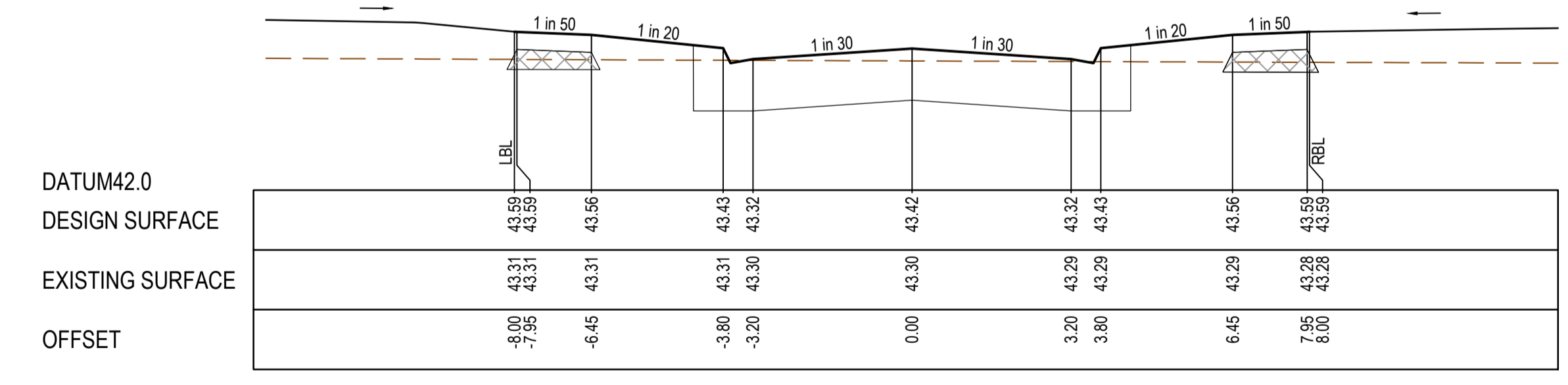
TP CH 32.35



CH 74.19



TP CH 11.80



CH 60.52

AS CONSTRUCTED PLANS

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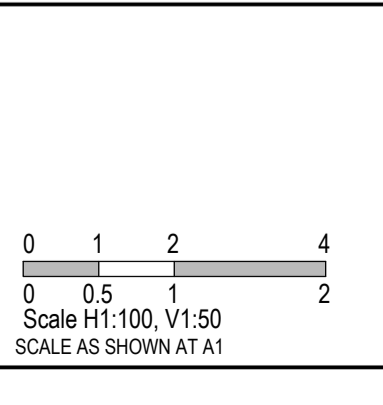
AS CONSTRUCTED

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 OHS Management AS/NZS 1800
 Environmental Management ISO 14001

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|-----------------|-----------|
| TITLE | NAME |
| DRAFTER | A.Famili |
| DESIGNER | A.Famili |
| CHECKED | N.Freeman |
| AUTHORISED | C.Sexton |
| REFERENCE No. 1 | |
| REFERENCE No. 2 | |



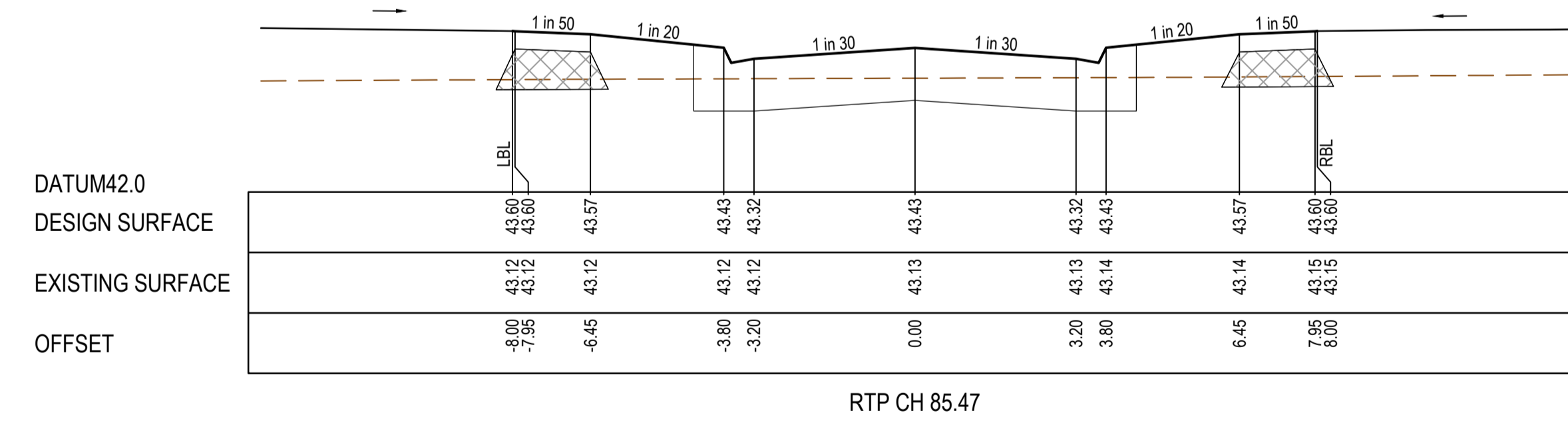
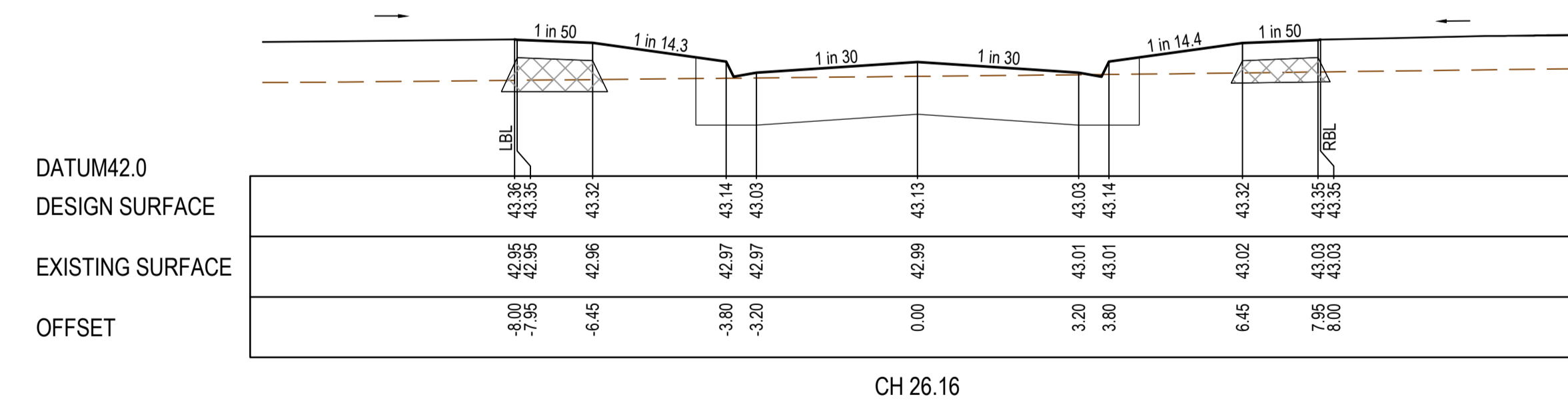
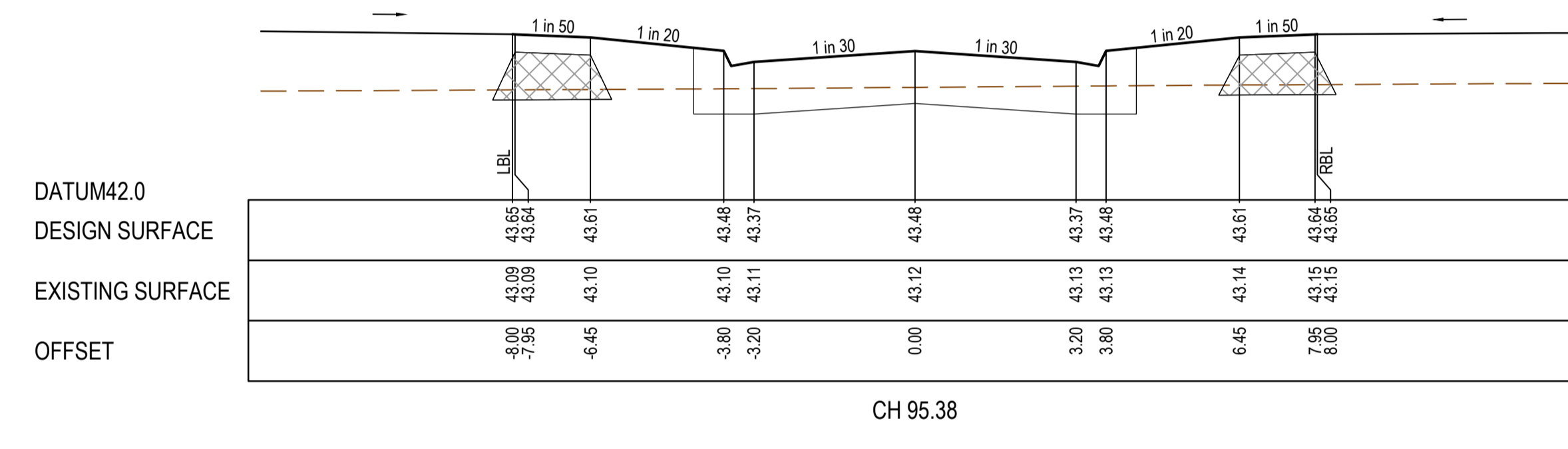
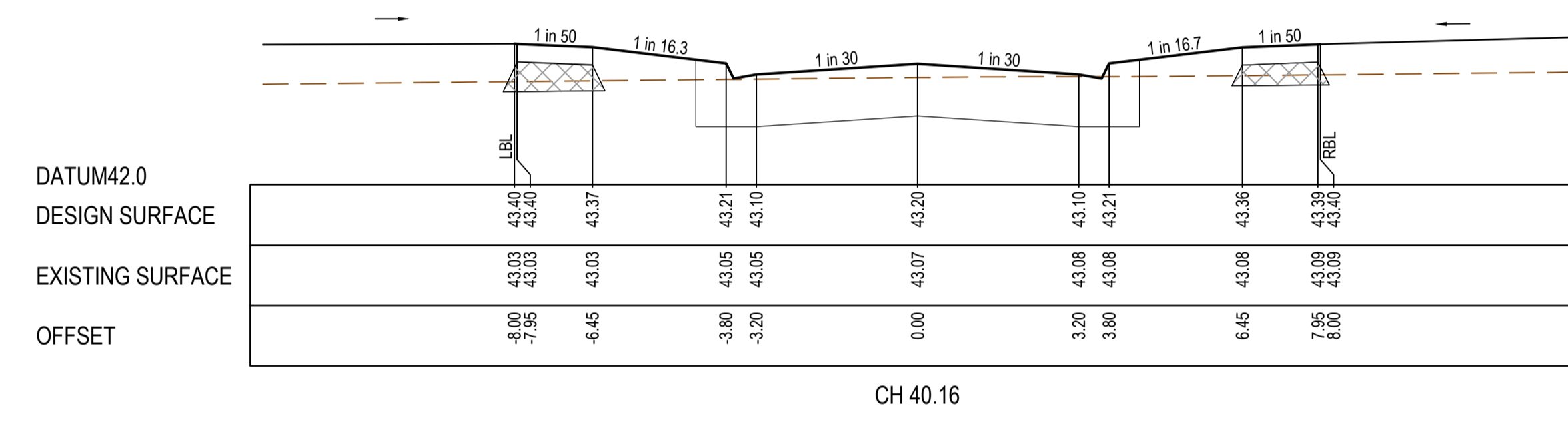
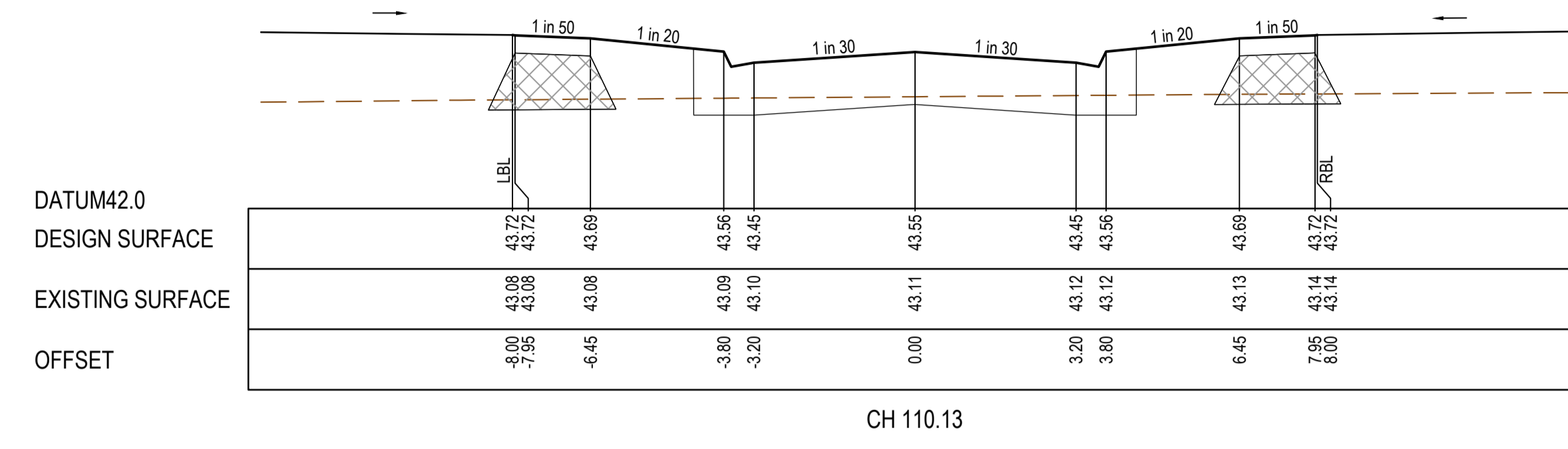
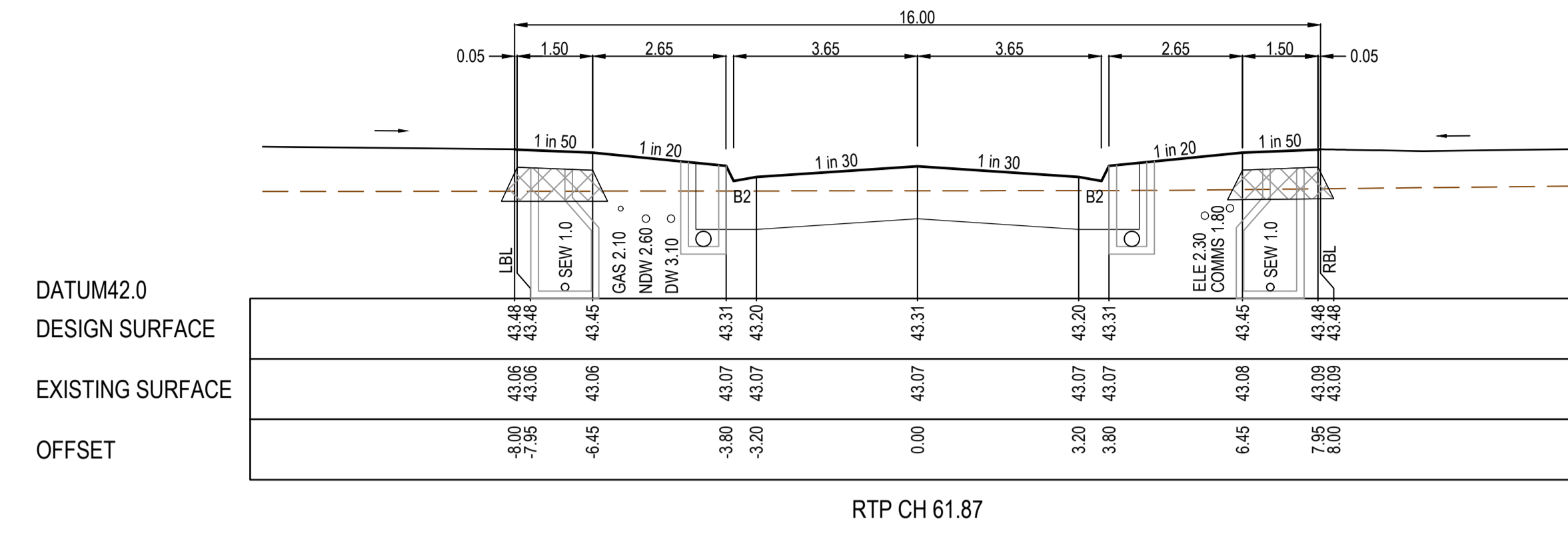
SMEC
 Member of the Surlana Jurong Group
 ABN 47 065 475 149
 Collins Square, Tower 4, Level 20, 727 Collins St
 Melbourne, VIC 3008
 Ph 03 9514 1500

ALAMORA
 Tarneit

Alamora Estate, Sayers Road, Tarneit - Stage 1
 Wyndham City Council
 Road and Drainage
 Cross Sections: Odara Mews

| | | | |
|-------------|----------------------|----------|----------|
| MELWAYS REF | PROJECT / DRAWING No | SHEET No | REVISION |
| 234 D5 | 2070E-A01-08 | 08 of 20 | 0 |

STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE



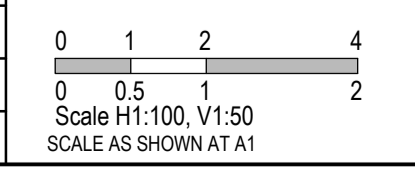
AS CONSTRUCTED PLANS

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| | |
|-----------------|-----------|
| TITLE | NAME |
| DRAFTER | A.Famili |
| DESIGNER | A.Famili |
| CHECKED | N.Freeman |
| AUTHORISED | C.Sexton |
| REFERENCE No. 1 | |
| REFERENCE No. 2 | |



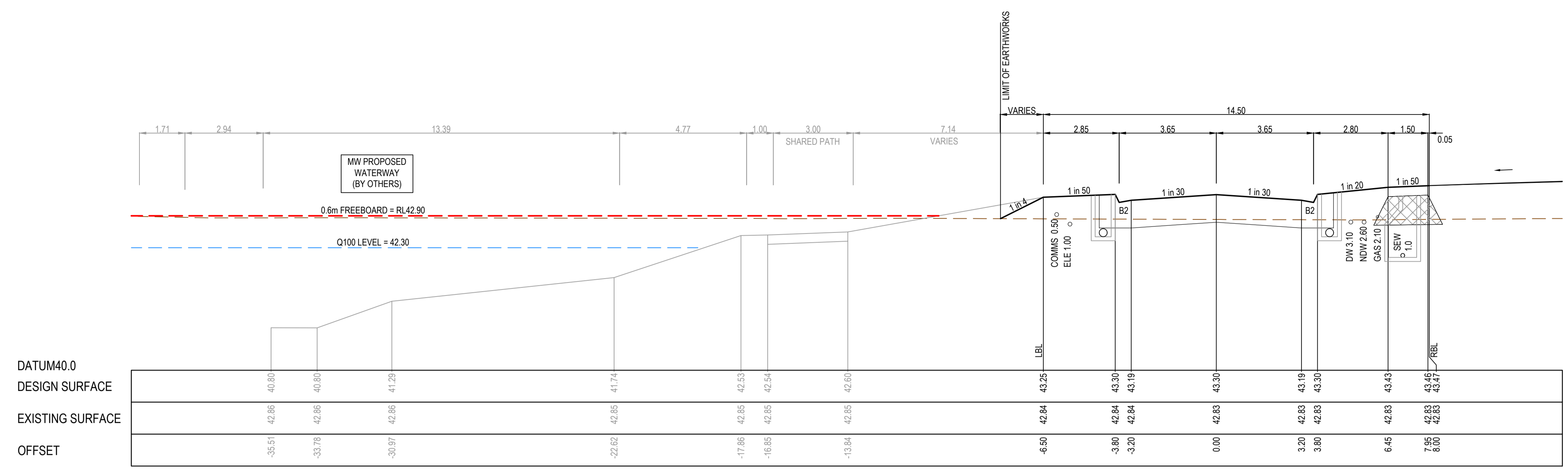
SMEC
Member of the Surlana Jurong Group
ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

ALAMORA
Tarnait

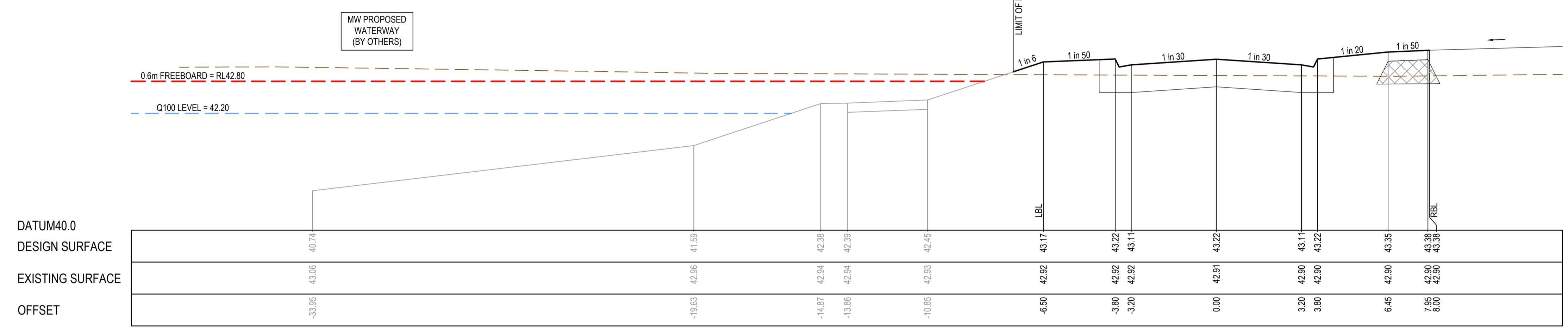
Alamora Estate, Sayers Road, Tarnait - Stage 1
Wyndham City Council
Road and Drainage
Cross Sections: Alister Grove

| | | | |
|-------------|-----------------------|-----------|----------|
| MELWAYS REF | PROJECT / DRAWING No. | SHEET No. | REVISION |
| 234 D5 | 2070E-A01-09 | 09 of 20 | 0 |

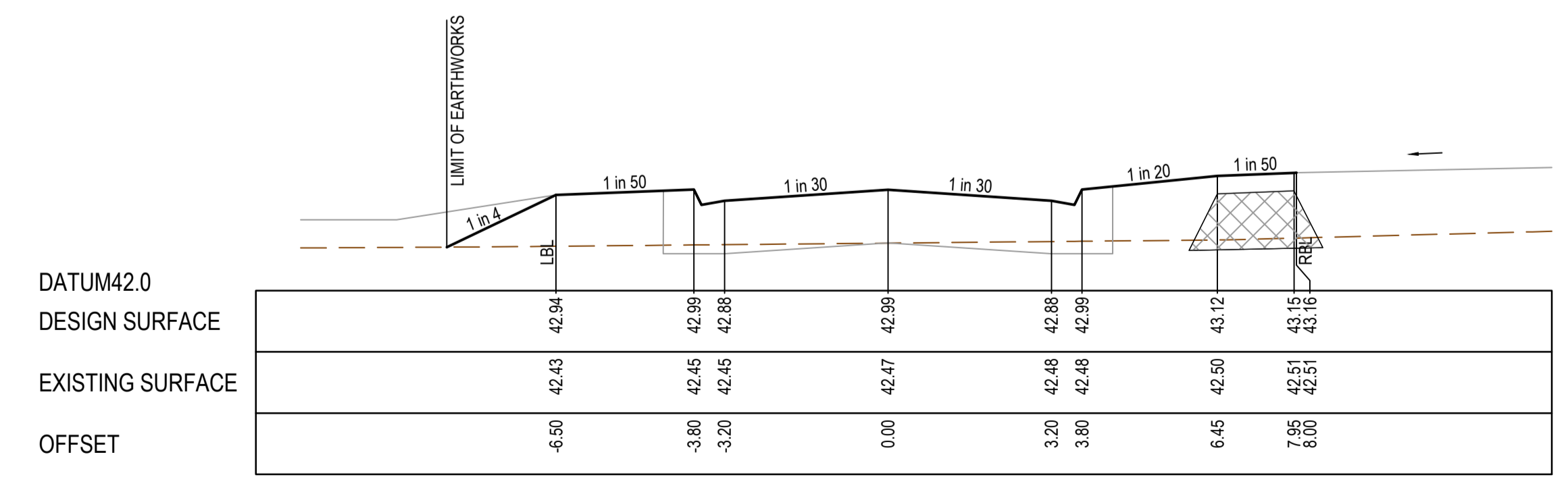
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE



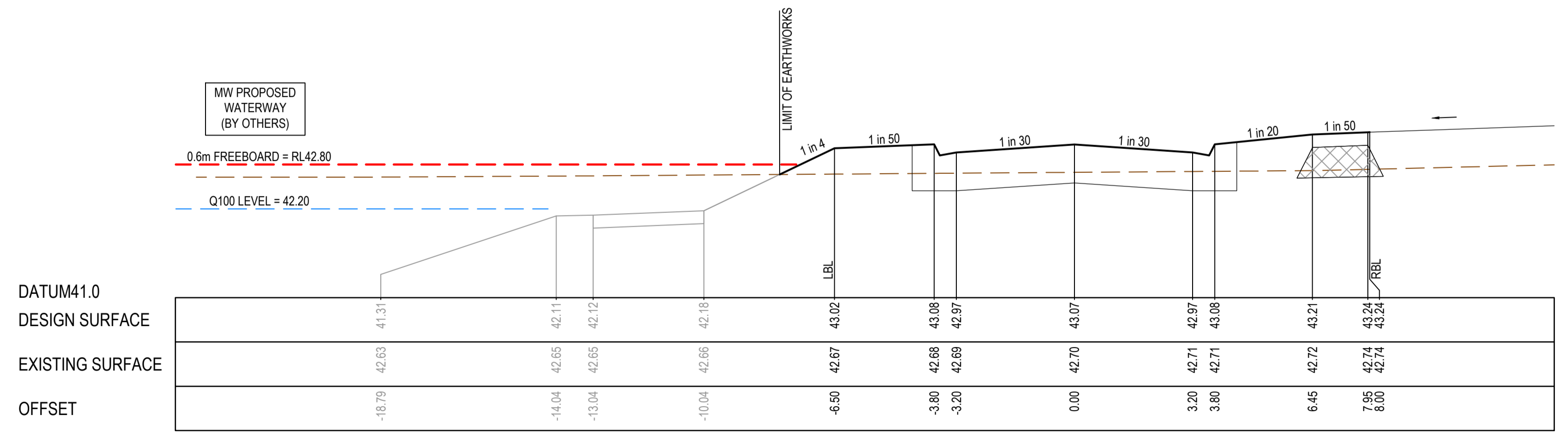
CH 92.81



CH 66.31



CH 20.62



CH 37.81

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| DESIGNER | A.Famili |
| CHECKED | N.Freeman |
| AUTHORISED | C.Sexton |
| REFERENCE No. 1 | |
| REFERENCE No. 2 | |

0 5 10 20
0 0.5 1 2
Scale H1:500, V1:50
SCALE AS SHOWN AT A1

SMEC
Member of the Surlana Jurong Group
ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

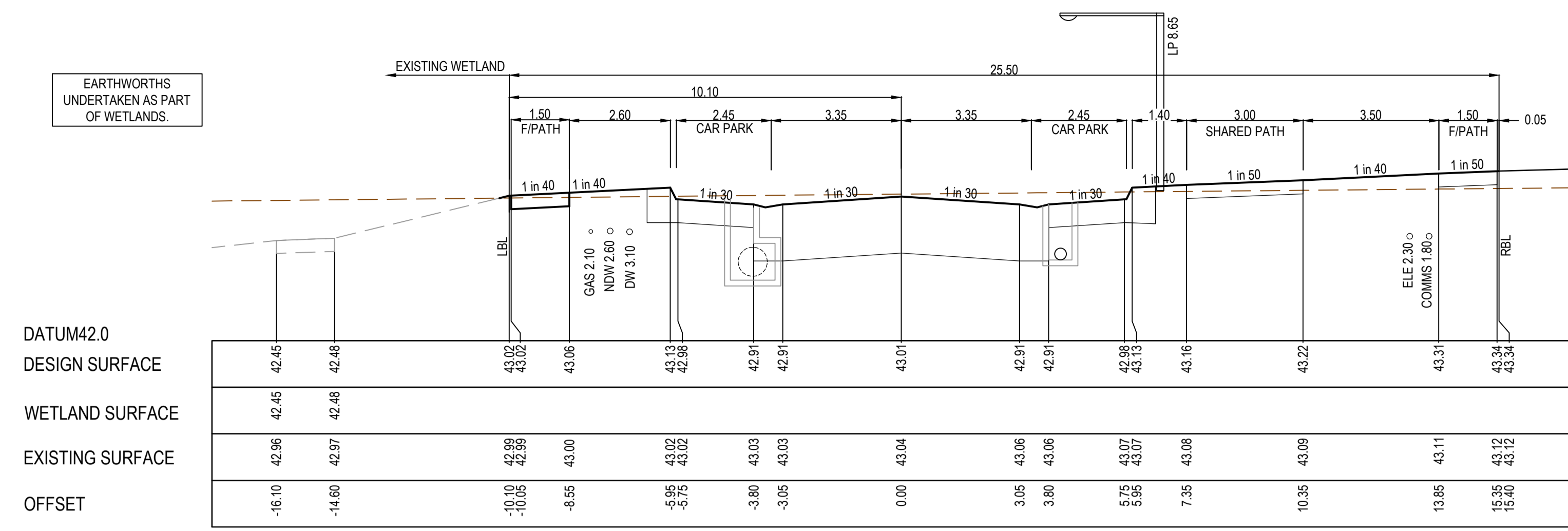
ALAMORA
Tarneit

Alamora Estate, Sayers Road, Tarneit - Stage 1
Wyndham City Council
Road and Drainage
Cross Sections: Coronado Way

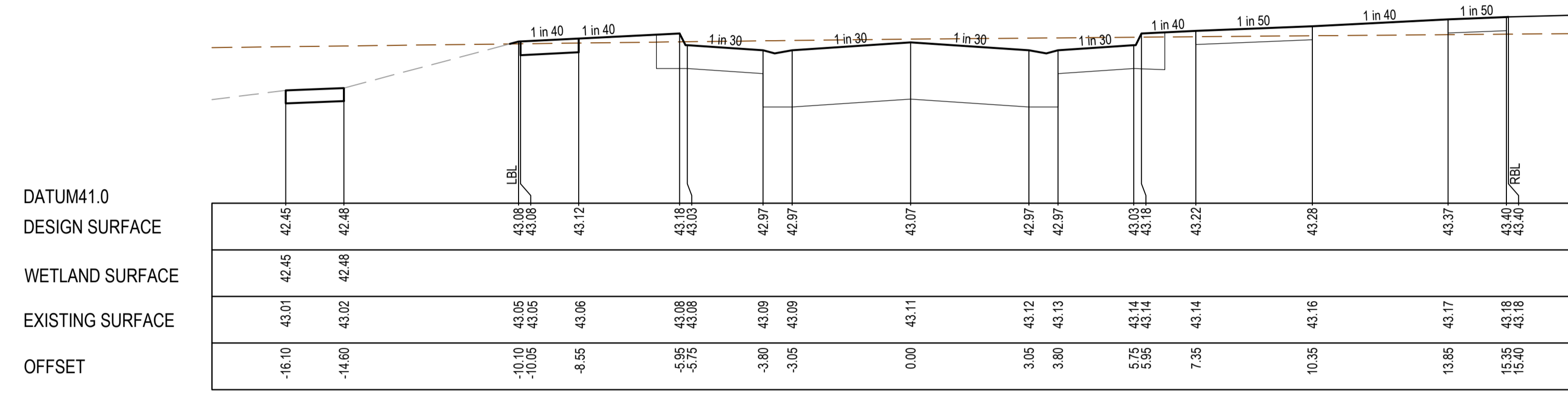
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| MELWAYS REF 234 D5 | PROJECT / DRAWING No. 2070E-A01-10 | SHEET No. 10 of 20 | REVISION 0 |
|------------------------------|--|------------------------------|----------------------|

STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE

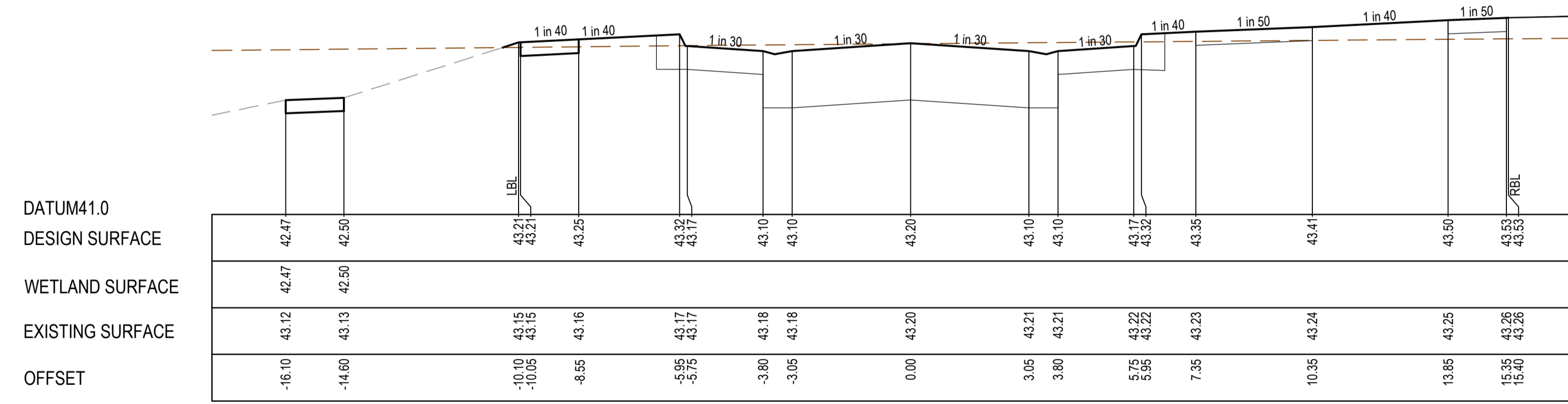
EARTHWORKS UNDERTAKEN AS PART OF WETLANDS.



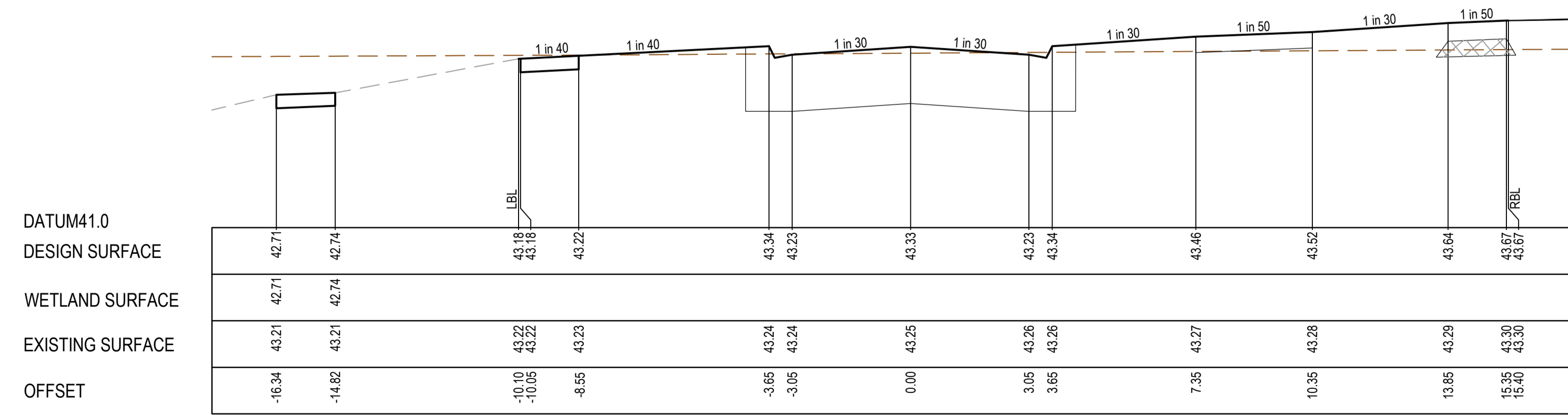
CH 482.69



CH 471.26



CH 444.76



CH 419.29

AS CONSTRUCTED PLANS

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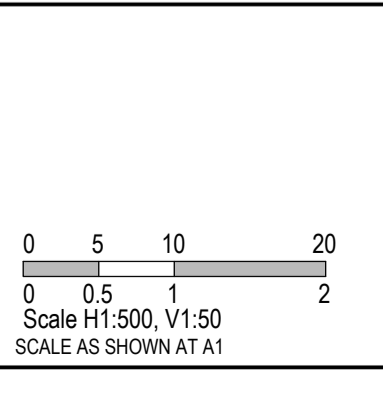
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 OHS Management AS/NZS 1800
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| DRAFTER | A.Famili |
| DESIGNER | A.Famili |
| CHECKED | N.Freeman |
| AUTHORISED | C.Sexton |
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| REFERENCE No. 2 | |



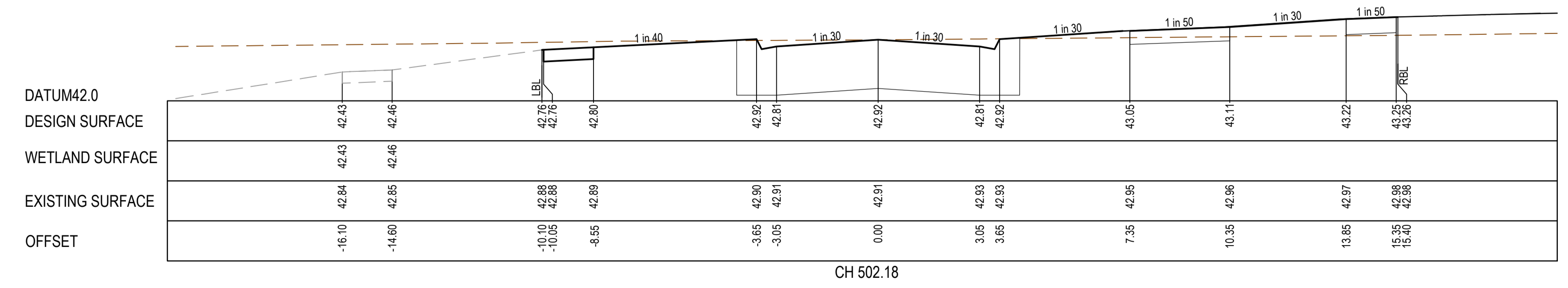
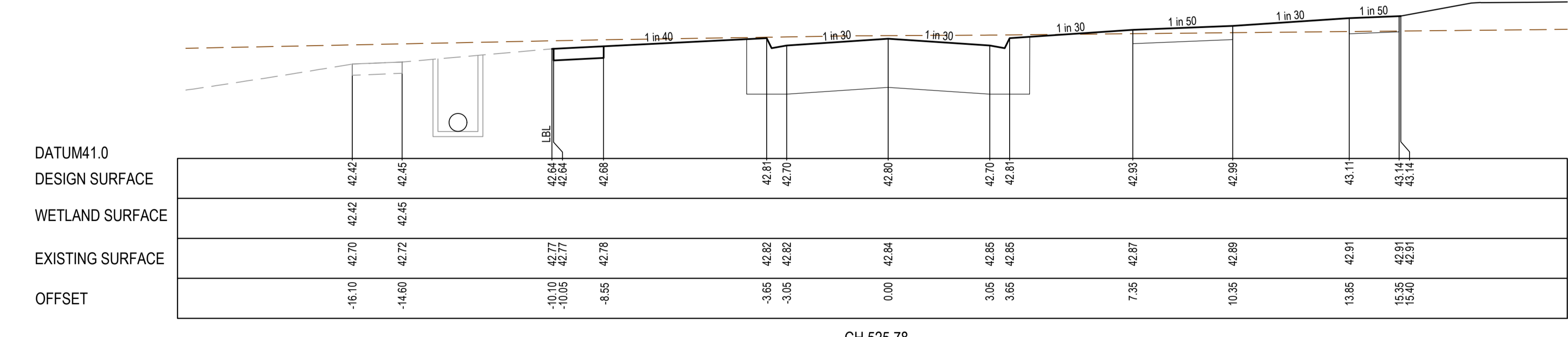
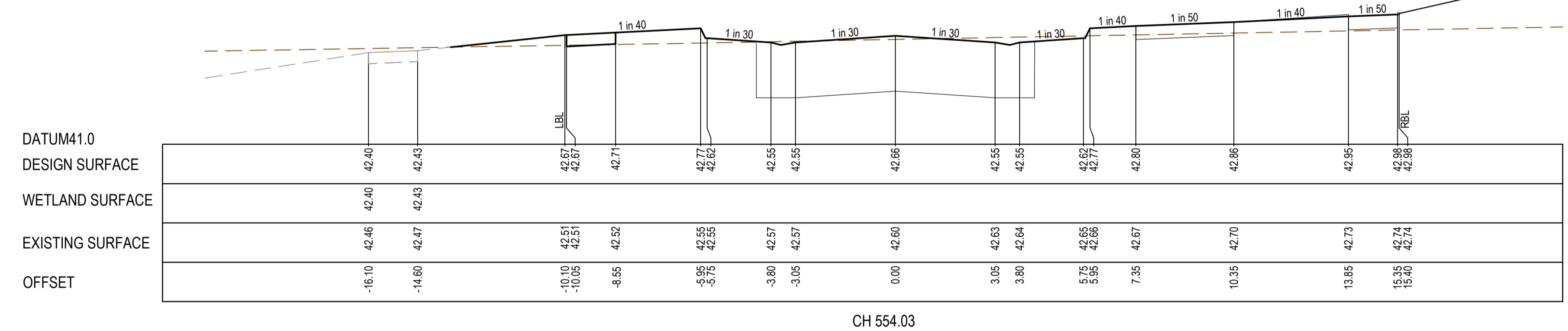
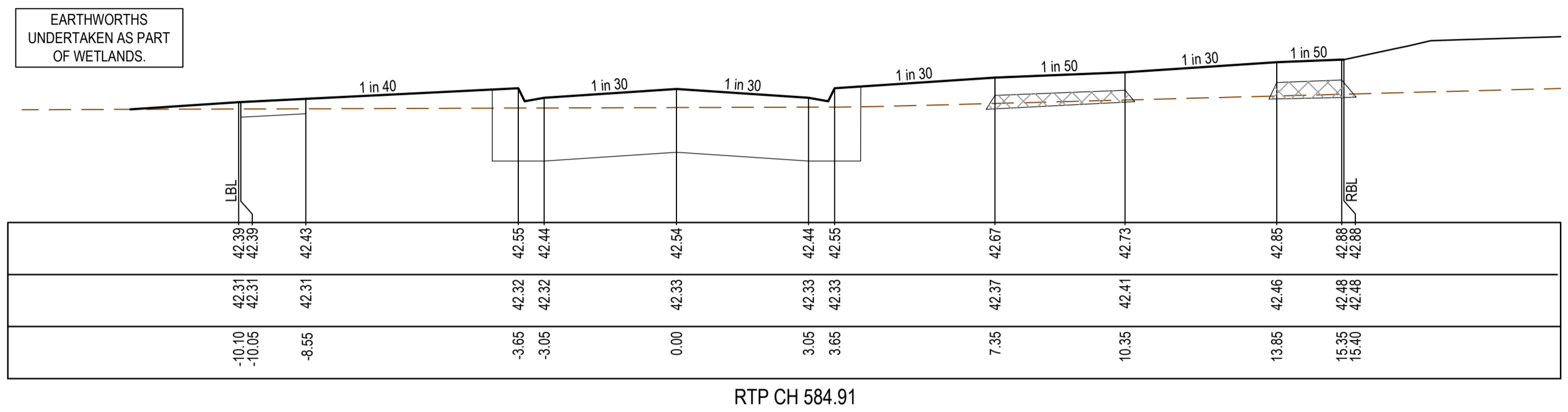
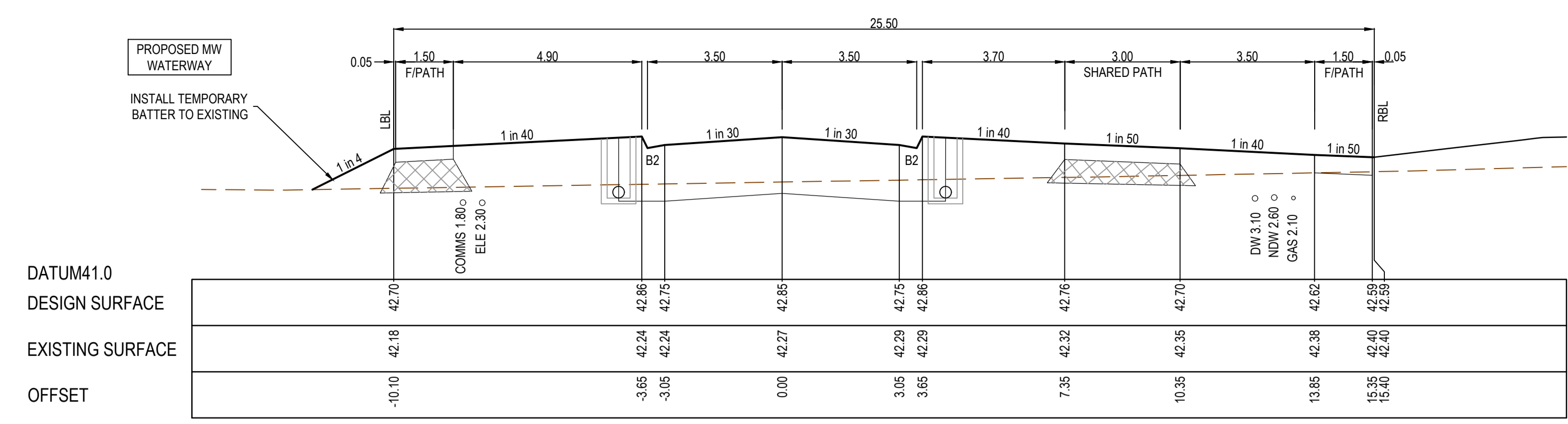
SMEC
 Member of the Surbana Jurong Group
 ABN 47 065 475 149
 Collins Square, Tower 4, Level 20, 727 Collins St
 Melbourne, VIC 3008
 Ph 03 9514 1500

ALAMORA
 Tarnait

Alamora Estate, Sayers Road, Tarnait - Stage 1
 Wyndham City Council
 Road and Drainage
 Cross Sections: Hermosa Drive
 Ch 419.29 - Ch 482.69

| | | | |
|-----------------------|---------------------------------------|-----------------------|---------------|
| MELWAYS REF 234 D5 | PROJECT / DRAWING No. 2070E-A01-11 | SHEET No. 11 of 20 | REVISION 0 |
|-----------------------|---------------------------------------|-----------------------|---------------|

STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE



AS CONSTRUCTED PLANS

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Quality Management ISO 9001
 OHS Management AS/NZS 1880
 Environmental Management ISO 14001

| TITLE | NAME |
|-----------------|-----------|
| DRAFTER | A.Famili |
| DESIGNER | A.Famili |
| CHECKED | N.Freeman |
| AUTHORISED | C.Sexton |
| REFERENCE No. 1 | |
| REFERENCE No. 2 | |

0 5 10 20
 0 0.5 1 2
 Scale H1:500, V1:50
 SCALE AS SHOWN AT 1

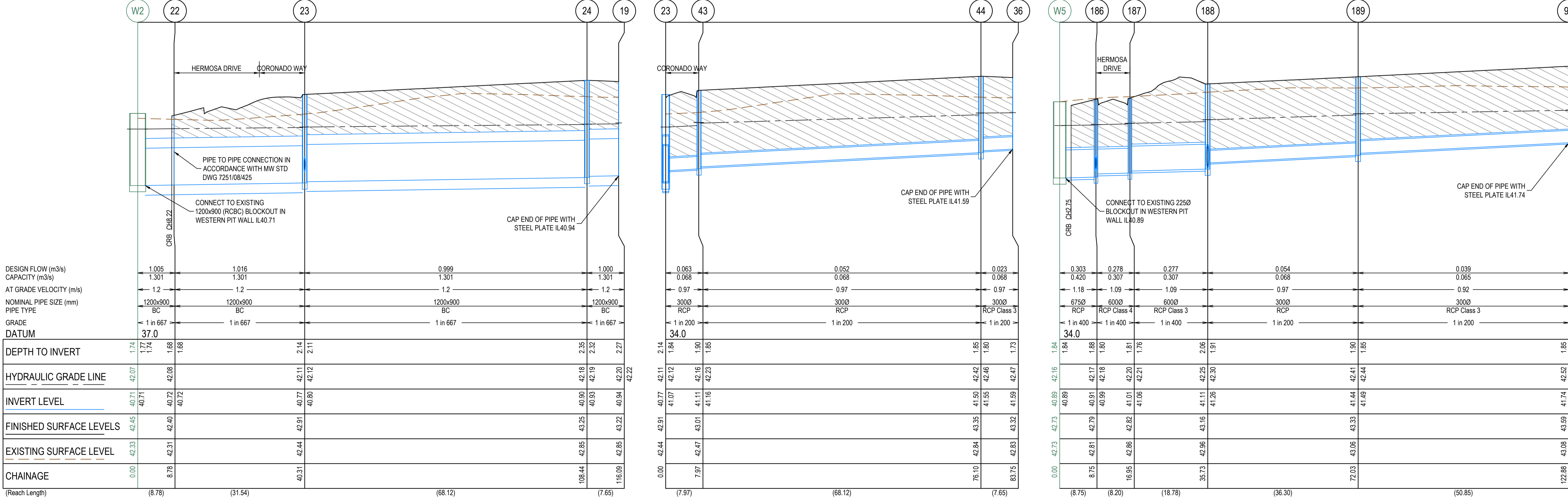
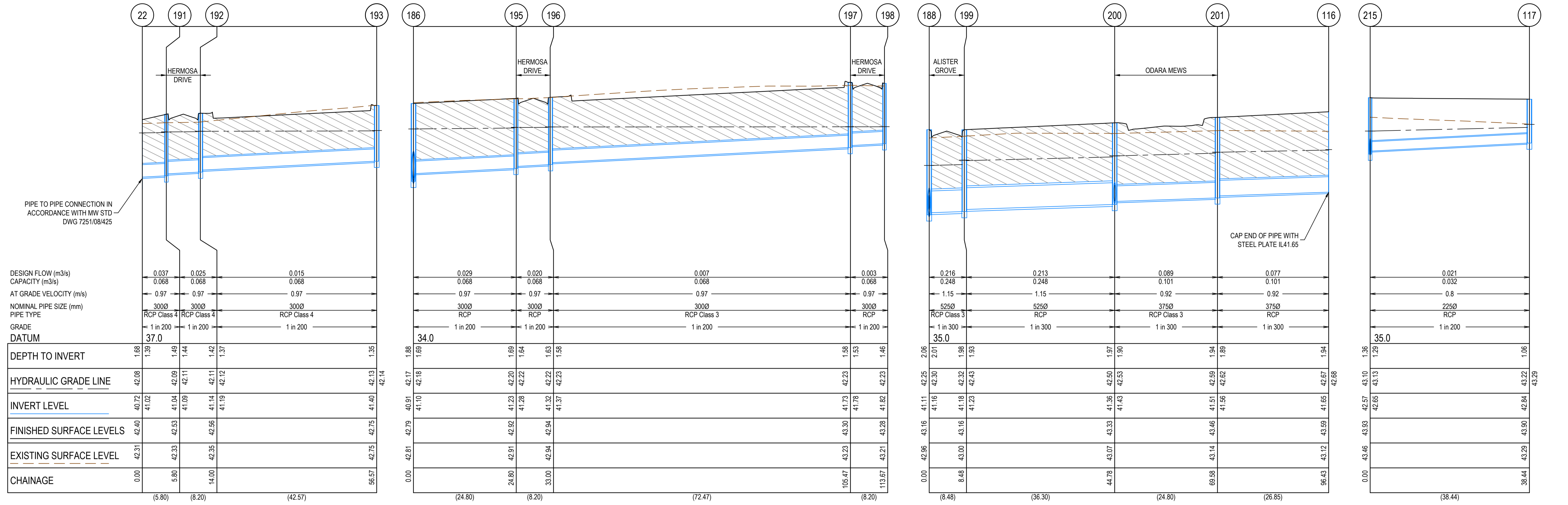
SMEC
 Member of the Surlana Jurong Group
 ABN 47 065 475 149
 Collins Square, Tower 4, Level 20, 727 Collins St
 Melbourne, VIC 3008
 Ph 03 9514 1500

ALAMORA
 Tarneit

Alamora Estate, Sayers Road, Tarneit - Stage 1
 Wyndham City Council
 Road and Drainage
 Cross Sections: Hermosa Drive
 Ch 502.18 - Ch 606.55

| | | | |
|-----------------------|---------------------------------------|-----------------------|---------------|
| MELWAYS REF 234 D5 | PROJECT / DRAWING No. 2070E-A01-12 | SHEET No. 12 of 20 | REVISION 0 |
|-----------------------|---------------------------------------|-----------------------|---------------|

CRUSHED ROCK BACKFILL
 CRB INDICATES CRUSHED ROCK BACKFILL COMPACTED IN ACCORDANCE WITH WYNDHAM CITY COUNCIL STANDARDS & SPECIFICATION CLASS 2 UNDER ROAD PAVEMENT & CLASS 3 BEHIND KERB



AS CONSTRUCTED PLANS
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AS CONSTRUCTED

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| TITLE | NAME |
|-----------------|-----------|
| DRAFTER | A.Famili |
| DESIGNER | A.Famili |
| CHECKED | N.Freeman |
| AUTHORISED | C.Sexton |
| REFERENCE No. 1 | |
| REFERENCE No. 2 | |

0 5 10 20
 0 0.5 1 2
 Scale H1:500, V1:50
 SCALE AS SHOWN AT 1

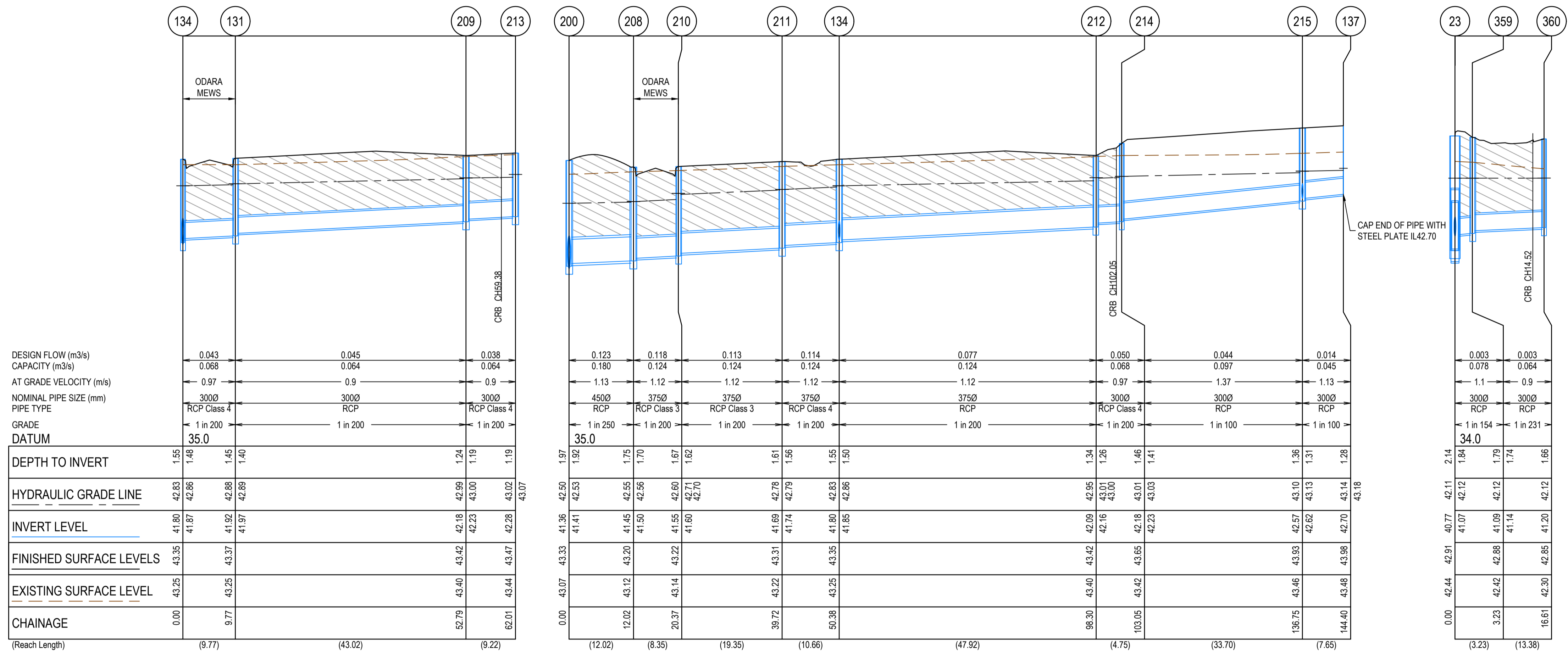
SMEC
 Member of the Surlana Jurong Group
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 Melbourne, VIC 3008
 Ph 03 9514 1500

ALAMORA
 Tarnait

Alamora Estate, Sayers Road, Tarnait - Stage 1
 Wyndham City Council
 Road and Drainage
 Drainage Longitudinal Sections - 1

| MELBOURNE REF | PROJECT / DRAWING No. | SHEET No. | REVISION |
|---------------|-----------------------|-----------|----------|
| 234 D5 | 2070E-A01-13 | 13 of 20 | 0 |

CRUSHED ROCK BACKFILL
 CRB INDICATES CRUSHED ROCK BACKFILL COMPACTED IN ACCORDANCE WITH WYNDHAM CITY COUNCIL STANDARDS & SPECIFICATION CLASS 2 UNDER ROAD PAVEMENT & CLASS 3 BEHIND KERB



| | 134 | 131 | 209 | 213 |
|---------------------------------|-------------|--------|----------|-------------|
| DESIGN FLOW (m ³ /s) | 0.043 | | 0.045 | 0.038 |
| CAPACITY (m ³ /s) | 0.068 | | 0.064 | 0.064 |
| AT GRADE VELOCITY (m/s) | 0.97 | | 0.9 | 0.9 |
| NOMINAL PIPE SIZE (mm) | 3000 | | 3000 | 3000 |
| PIPE TYPE | RCP Class 4 | | RCP | RCP Class 4 |
| GRADE | 1 in 200 | | 1 in 200 | 1 in 200 |
| DATUM | 35.0 | | | |
| DEPTH TO INVERT | 1.55 | 1.48 | 1.40 | 1.19 |
| HYDRAULIC GRADE LINE | 42.83 | 42.86 | 42.89 | 43.02 |
| INVERT LEVEL | 41.80 | 41.87 | 41.92 | 42.26 |
| FINISHED SURFACE LEVELS | 43.35 | 43.37 | 43.42 | 43.47 |
| EXISTING SURFACE LEVEL | 43.25 | 43.25 | 43.40 | 43.44 |
| CHAINAGE | 0.00 | 9.77 | | 62.01 |
| (Reach Length) | | (9.77) | (43.02) | (9.22) |

| | 200 | 208 | 210 | 211 | 134 | 212 | 214 | 215 | 137 |
|---------------------------------|----------|-------------|-------------|-------------|-----|----------|-------------|----------|----------|
| DESIGN FLOW (m ³ /s) | 0.123 | 0.118 | 0.113 | 0.114 | | 0.077 | 0.050 | 0.044 | 0.014 |
| CAPACITY (m ³ /s) | 0.180 | 0.124 | 0.124 | 0.124 | | 0.124 | 0.068 | 0.097 | 0.045 |
| AT GRADE VELOCITY (m/s) | 1.13 | 1.12 | 1.12 | 1.12 | | 1.12 | 0.97 | 1.37 | 1.13 |
| NOMINAL PIPE SIZE (mm) | 4500 | 3750 | 3750 | 3750 | | 3750 | 3000 | 3000 | 3000 |
| PIPE TYPE | RCP | RCP Class 3 | RCP Class 3 | RCP Class 4 | | RCP | RCP Class 4 | RCP | RCP |
| GRADE | 1 in 250 | 1 in 200 | 1 in 200 | 1 in 200 | | 1 in 200 | 1 in 200 | 1 in 100 | 1 in 100 |
| DATUM | 35.0 | | | | | | | | |
| DEPTH TO INVERT | 1.97 | 1.75 | 1.70 | 1.61 | | 1.34 | 1.26 | 1.36 | 1.28 |
| HYDRAULIC GRADE LINE | 42.50 | 42.55 | 42.56 | 42.78 | | 42.95 | 43.00 | 43.10 | 43.18 |
| INVERT LEVEL | 41.36 | 41.45 | 41.50 | 41.69 | | 42.16 | 42.18 | 42.62 | 42.70 |
| FINISHED SURFACE LEVELS | 43.33 | 43.20 | 43.22 | 43.31 | | 43.42 | 43.65 | 43.93 | 43.98 |
| EXISTING SURFACE LEVEL | 43.07 | 43.12 | 43.14 | 43.22 | | 43.25 | 43.42 | 43.46 | 43.48 |
| CHAINAGE | 0.00 | 12.02 | 20.37 | 35.72 | | 50.38 | 102.05 | 136.75 | 144.40 |
| (Reach Length) | | (12.02) | (8.35) | (19.35) | | (10.66) | (47.92) | (33.70) | (7.65) |

| | 23 | 359 | 360 |
|---------------------------------|----------|----------|---------|
| DESIGN FLOW (m ³ /s) | 0.003 | 0.003 | |
| CAPACITY (m ³ /s) | 0.078 | 0.064 | |
| AT GRADE VELOCITY (m/s) | 1.1 | 0.9 | |
| NOMINAL PIPE SIZE (mm) | 3000 | 3000 | |
| PIPE TYPE | RCP | RCP | |
| GRADE | 1 in 154 | 1 in 231 | |
| DATUM | 34.0 | | |
| DEPTH TO INVERT | 2.14 | 1.84 | |
| HYDRAULIC GRADE LINE | 42.11 | 42.12 | |
| INVERT LEVEL | 40.77 | 41.07 | |
| FINISHED SURFACE LEVELS | 42.44 | 42.88 | |
| EXISTING SURFACE LEVEL | 42.44 | 42.42 | |
| CHAINAGE | 0.00 | 3.23 | 16.61 |
| (Reach Length) | | (3.23) | (13.38) |

AS CONSTRUCTED PLANS

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Quality Management ISO 9001
 OHS Management AS/NZS 1801
 Environmental Management ISO 14001

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| TITLE | NAME |
|-----------------|-----------|
| DRAFTER | A.Famili |
| DESIGNER | A.Famili |
| CHECKED | N.Freeman |
| AUTHORISED | C.Sexton |
| REFERENCE No. 1 | |
| REFERENCE No. 2 | |

0 5 10 20
 0 0.5 1 2
 Scale H1:500, V1:50
 SCALE AS SHOWN AT 1

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ALAMORA
 Tarnait

Alamora Estate, Sayers Road, Tarnait - Stage 1
 Wyndham City Council
 Road and Drainage
 Drainage Longitudinal Sections - 2

| | | | |
|-----------------------|---------------------------------------|-----------------------|---------------|
| MELWAYS REF 234 D5 | PROJECT / DRAWING No. 2070E-A01-14 | SHEET No. 14 of 20 | REVISION 0 |
|-----------------------|---------------------------------------|-----------------------|---------------|

| | PIT | INTERNAL | | INLET | | OUTLET | | PIT | | | |
|------|------------------------|----------|-----|-------|---------|--------|---------|-----------|-------|----------------|--|
| NAME | TYPE | WD | LEN | DIA | INV LEV | DIA | INV LEV | SETOUT RL | DEPTH | STD DWG | REMARKS |
| ExW2 | BYPASS PIT WITH GRILLE | | | 900 | 40.71 | 450 | 41.582 | 0 | 1.768 | | |
| | | | | 1050 | 40.732 | | | | | | |
| 22 | ENDPIPE | | | 900 | 40.723 | 900 | 40.723 | 42.403 | 1.68 | | CONNECTION IN ACCORDANCE WITH MELBOURNE WATER STANDARD DRAWING 7251/08/321 |
| | | | | 300 | 41.016 | | | | | | |
| 23 | DOUBLE SIDE ENTRY PIT | 1650 | 900 | 900 | 40.8 | 900 | 40.77 | 42.908 | 2.138 | EDCM 602 & 607 | PIT TO BE HAUNCH TO 600x900 COVER TOWARDS PAVEMENT |
| | | | | 300 | 41.07 | | | | | | |
| | | | | 300 | 41.07 | | | | | | |
| 24 | JUNCTION PIT | 1650 | 900 | 900 | 40.933 | 900 | 40.903 | 43.249 | 2.346 | EDCM 607 | PIT TO BE HAUNCH TO 600x900 COVER TOWARDS PAVEMENT |
| 19 | ENDPIPE | | | 900 | 40.944 | 900 | 40.944 | 43.218 | 2.274 | | |
| 43 | DOUBLE SIDE ENTRY PIT | 600 | 900 | 300 | 41.16 | 300 | 41.11 | 43.006 | 1.895 | EDCM 605 | |
| 44 | JUNCTION PIT | 600 | 900 | 300 | 41.551 | 300 | 41.501 | 43.346 | 1.845 | | |
| 36 | ENDPIPE | | | 300 | 41.589 | 300 | 41.589 | 43.315 | 1.726 | | |
| | JUNCTION PIT | | | 675 | 40.892 | 1050 | 40.842 | 0 | 1.889 | | |
| | | | | 1050 | 40.892 | | | | | | |
| 186 | SIDE ENTRY PIT | 600 | 900 | 600 | 40.989 | 675 | 40.914 | 42.792 | 1.878 | EDCM 601 | |
| | | | | 300 | 41.102 | | | | | | |
| 187 | SIDE ENTRY PIT | 600 | 900 | 600 | 41.06 | 600 | 41.01 | 42.818 | 1.809 | EDCM 601 | |
| 188 | DOUBLE SIDE ENTRY PIT | 900 | 900 | 300 | 41.256 | 600 | 41.106 | 43.162 | 2.056 | EDCM 602 & 607 | PIT TO BE HAUNCH TO 600x900 COVER TOWARDS PAVEMENT |
| | | | | 525 | 41.156 | | | | | | |
| 189 | SIDE ENTRY PIT | 600 | 900 | 300 | 41.488 | 300 | 41.438 | 43.334 | 1.896 | EDCM 601 | |
| 96 | ENDPIPE | | | 300 | 41.742 | 300 | 41.742 | 43.589 | 1.846 | | |
| 191 | DOUBLE SIDE ENTRY PIT | 600 | 900 | 300 | 41.095 | 300 | 41.045 | 42.533 | 1.488 | EDCM 602 | |
| 192 | DOUBLE SIDE ENTRY PIT | 600 | 900 | 300 | 41.186 | 300 | 41.136 | 42.559 | 1.423 | EDCM 602 | |
| 193 | SIDE ENTRY PIT | 600 | 900 | | | 300 | 41.399 | 42.745 | 1.346 | EDCM 601 | |
| 195 | SIDE ENTRY PIT | 600 | 900 | 300 | 41.276 | 300 | 41.226 | 42.916 | 1.69 | EDCM 601 | |
| 196 | SIDE ENTRY PIT | 600 | 900 | 300 | 41.367 | 300 | 41.317 | 42.942 | 1.626 | EDCM 601 | |
| 197 | SIDE ENTRY PIT | 600 | 900 | 300 | 41.779 | 300 | 41.729 | 43.305 | 1.576 | EDCM 601 | |
| 198 | SIDE ENTRY PIT | 600 | 900 | | | 300 | 41.82 | 43.278 | 1.458 | EDCM 601 | |
| 199 | DOUBLE SIDE ENTRY PIT | 900 | 900 | 525 | 41.235 | 525 | 41.185 | 43.161 | 1.976 | EDCM 602 & 607 | PIT TO BE HAUNCH TO 600x900 COVER TOWARDS PAVEMENT |
| 200 | JUNCTION PIT | 900 | 900 | 375 | 41.431 | 525 | 41.356 | 43.327 | 1.971 | EDCM 607 | PIT TO BE HAUNCH TO 600x900 COVER TOWARDS PAVEMENT |
| | | | | 450 | 41.406 | | | | | | |
| 201 | SIDE ENTRY PIT | 600 | 900 | 375 | 41.563 | 375 | 41.513 | 43.458 | 1.945 | EDCM 601 | |
| 116 | ENDPIPE | | | 375 | 41.653 | 375 | 41.653 | 43.593 | 1.94 | | |
| 215 | JUNCTION PIT | | | 225 | 42.646 | 300 | 42.571 | 0 | 1.362 | | |
| | | | | 300 | 42.621 | | | | | | |
| 117 | JUNCTION PIT | 600 | 900 | | | 225 | 42.838 | 43.897 | 1.059 | | |
| 134 | SIDE ENTRY PIT | | | 300 | 41.871 | 375 | 41.796 | 0 | 1.555 | | |
| | | | | 375 | 41.846 | | | | | | |
| 131 | SIDE ENTRY PIT | 600 | 900 | 300 | 41.97 | 300 | 41.92 | 43.375 | 1.455 | EDCM 601 | |
| 209 | DOUBLE SIDE ENTRY PIT | 600 | 900 | 300 | 42.235 | 300 | 42.185 | 43.42 | 1.235 | EDCM 602 | |
| 213 | JUNCTION PIT | 600 | 900 | | | 300 | 42.281 | 43.466 | 1.185 | EDCM 605 | |
| 208 | SIDE ENTRY PIT | 900 | 900 | 375 | 41.504 | 450 | 41.454 | 43.204 | 1.75 | EDCM 601 | PIT TO BE HAUNCH TO 600x900 COVER TOWARDS PAVEMENT |
| 210 | SIDE ENTRY PIT | 600 | 900 | 375 | 41.596 | 375 | 41.546 | 43.215 | 1.67 | EDCM 601 | |
| 211 | SIDE ENTRY PIT | 600 | 900 | 375 | 41.742 | 375 | 41.692 | 43.307 | 1.615 | EDCM 601 | |
| 212 | DOUBLE SIDE ENTRY PIT | 600 | 900 | 300 | 42.16 | 375 | 42.085 | 43.42 | 1.335 | EDCM 602 & 607 | PIT TO BE HAUNCH TO 600x900 COVER TOWARDS PAVEMENT |
| 214 | JUNCTION PIT | 600 | 900 | 300 | 42.234 | 300 | 42.184 | 43.646 | 1.462 | EDCM 605 | |
| 137 | ENDPIPE | | | 300 | 42.697 | 300 | 42.697 | 43.976 | 1.278 | | |
| 359 | JUNCTION PIT | 600 | 900 | 300 | 41.141 | 300 | 41.091 | 42.883 | 1.792 | EDCM 605 | |
| 360 | DOUBLE SIDE ENTRY PIT | 600 | 900 | | | 300 | 41.199 | 42.854 | 1.656 | EDCM 602 & 607 | |

AS CONSTRUCTED PLANS

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AS CONSTRUCTED

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 OHS Management - AS/NZS 1801
 Environmental Management - ISO 14001

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| DRAFTER | A.Famili |
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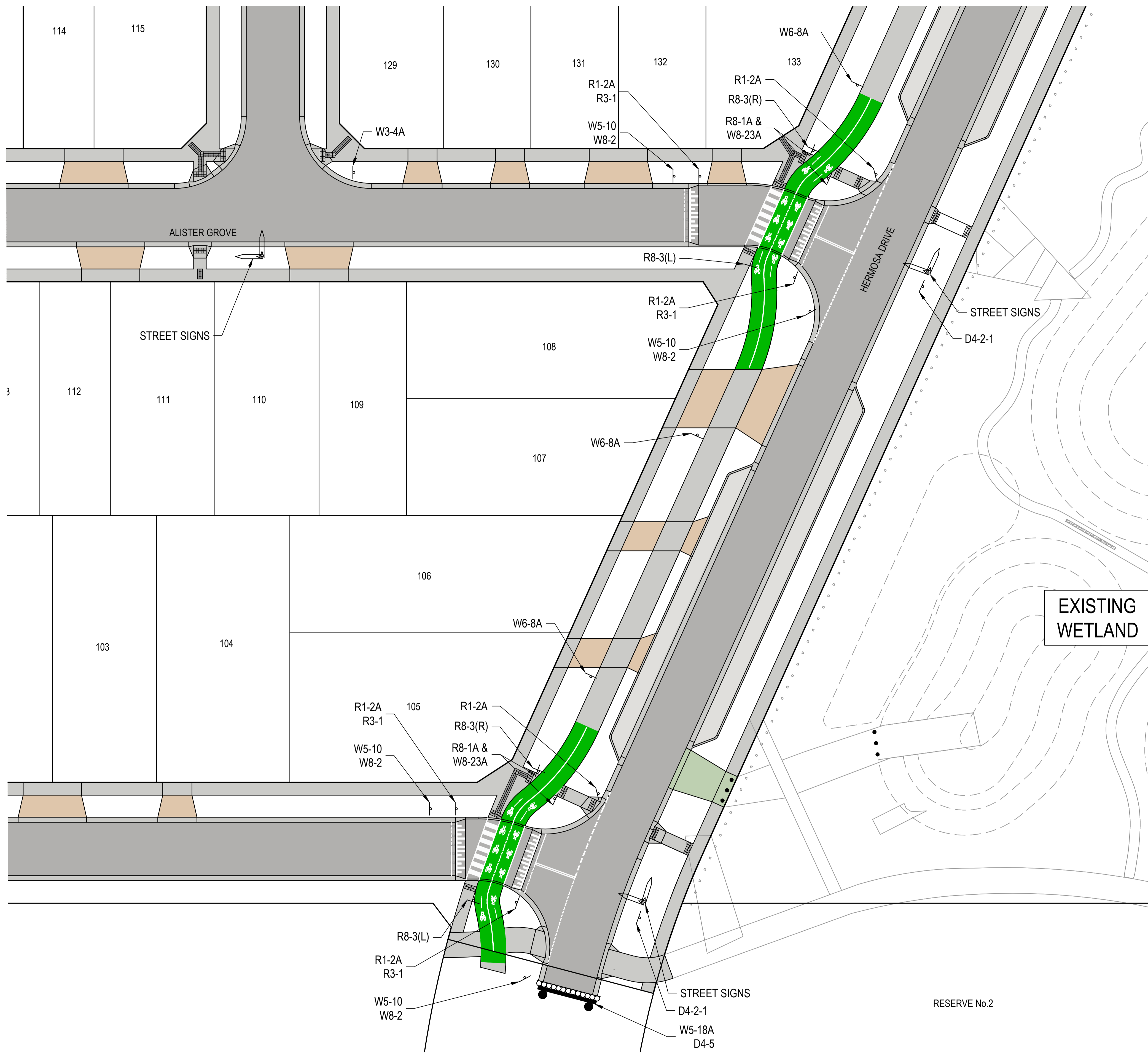
SCALE AS SHOWN AT A1

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ALAMORA
Tarneit

Alamora Estate, Sayers Road, Tarneit - Stage 1
 Wyndham City Council
 Road and Drainage
 Pit Schedule

| | | | |
|-----------------------|---------------------------------------|-----------------------|---------------|
| MELWAYS REF 234 D5 | PROJECT / DRAWING No. 2070E-A01-15 | SHEET No. 15 of 20 | REVISION 0 |
|-----------------------|---------------------------------------|-----------------------|---------------|



| LEGEND - SIGN AND LINEMARKING | |
|--|---------------------------|
| ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY | |
| | GIVE WAY |
| | R1-2A |
| | R3-1 |
| | SPEED HUMP |
| | W5-10 |
| | W8-2 (20km/h) |
| | ROAD AHEAD |
| | W6-8A |
| | R8-3(L) |
| | R8-3(R) |
| | SPEED HUMP AHEAD |
| | W3-4A |
| | ROAD ENDS |
| | W5-18A |
| | HAZARD MARKER |
| | D4-5 |
| | DIRECTIONAL HAZARD MARKER |
| | D4-2-1 |
| | R8-1A |
| | W8-23A |

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. Locate all underground services before commencement of works.
DIAL 1100 BEFORE YOU DIG
www.1100.com.au

- NOTES**
- 90° BENDS TO HAVE CENTRELINE MARKING WITH RRPMS AT MAX 6m SPACING.
 - RRPMs TO BE IN ACCORDANCE WITH VICROADS TRAFFIC ENGINEERING MANUAL VOL 2.
 - ALL LINEMARKING & SIGNAGE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742.

AS CONSTRUCTED PLANS

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AS CONSTRUCTED

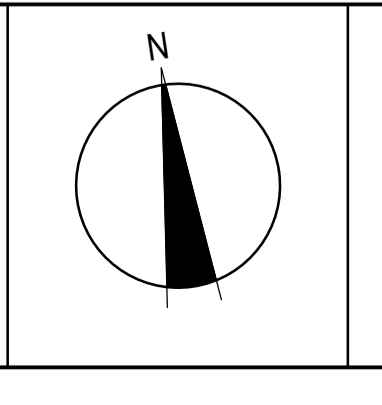
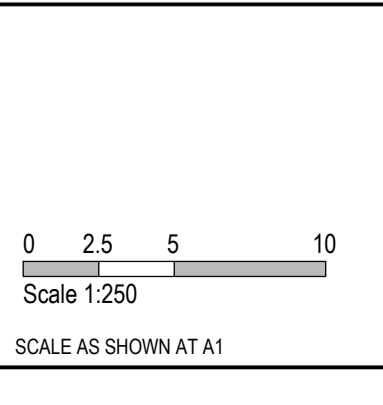
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Site Management - AS/NZS 1801
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Environmental Management - ISO 14001
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| TITLE | NAME |
|-----------------|-----------|
| DRAFTER | A.Famili |
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| CHECKED | N.Freeman |
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ALAMORA
Tarnait

Alamora Estate, Sayers Road, Tarnait - Stage 1
 Wyndham City Council
 Road and Drainage
 Signage & Linemarking Plan

| | | | |
|-----------------------|---------------------------------------|-----------------------|---------------|
| MELWAYS REF 234 D5 | PROJECT / DRAWING No. 2070E-A01-16 | SHEET No. 16 of 20 | REVISION 0 |
|-----------------------|---------------------------------------|-----------------------|---------------|



| 300 VPD - CORONADO WAY, ODARA MEWS AND ALISTER GROVE PAVEMENT COMPOSITION | | | |
|---|-----------------------------|-------|---|
| 520mm DEPTH PAVEMENT COMPOSITION | | LAYER | MATERIAL |
| PAVEMENT LAYER | THICKNESS (mm) | | |
| ASPHALT | WEARING COURSE | 20 | SIZE 7 TYPE L CLASS 320 ASPHALT |
| | INTERMEDIATE COURSE | 30 | SIZE 10 TYPE N CLASS 320 ASPHALT |
| | BASE COURSE | - | - |
| | SAMI SEAL | 10 | SIZE 10 SAMI SEAL S18RF |
| | BITUMINOUS PRIME | 7 | BITUMINOUS PRIME |
| BASE COURSE | BASE | 140 | SIZE 20 CLASS 2 CRUSHED ROCK, COMPACTED TO A MINIMUM DENSITY RATIO OF 98% (MODIFIED) AS1289, 5.2.1 |
| SUBBASE COURSE | LOWER BASE COURSE | 130 | SIZE 20 CLASS 3 CRUSHED ROCK, COMPACTED TO A MINIMUM DENSITY RATIO OF 96% (MODIFIED) AS1289, 5.2.1 |
| CAPPING | CAPPING LAYER | 200 | RIPPED ROCK OR STABILISED CLAY MEETING THE FOLLOWING PROPERTIES: CBR >=7%, PERMEABILITY k < 1x10 ⁻⁹ m/s AND SWELL < 1.5%. MATERIAL COMPACTED TO A MINIMUM DENSITY RATIO 98% (STANDARD) AS1289, 5.1.1 |
| SUBGRADE/CONSTRUCTION LAYER | SUBGRADE/CONSTRUCTION LAYER | 200 | RIPPED ROCK OR STABILISED CLAY MEETING THE FOLLOWING PROPERTIES: CBR >=7%, PERMEABILITY k < 1x10 ⁻⁹ m/s AND SWELL < 1.5%. MATERIAL COMPACTED TO A MINIMUM DENSITY RATIO 98% (STANDARD) AS1289, 5.1.1 |

| 4200 VPD - HERMOSA DRIVE NORTH PAVEMENT COMPOSITION | | | |
|---|-----------------------------|-------|---|
| 550mm DEPTH PAVEMENT COMPOSITION | | LAYER | MATERIAL |
| PAVEMENT LAYER | THICKNESS (mm) | | |
| ASPHALT | WEARING COURSE | 40 | SIZE 14 TYPE N CLASS 320 ASPHALT |
| | INTERMEDIATE COURSE | 75 | SIZE 20 TYPE SI ASPHALT CLASS 320 ASPHALT |
| | BASE COURSE | 75 | SIZE 20 TYPE SI ASPHALT CLASS 320 ASPHALT |
| | SAMI SEAL | - | - |
| | BITUMINOUS PRIME | - | - |
| SUBBASE COURSE | UPPER | 100 | SIZE 20 CLASS 3 CEMENT TREATED CRUSHED ROCK (CTCR) 3% CEMENT, COMPACTED TO A MINIMUM DENSITY RATIO OF 98% (MODIFIED) AS1289, 5.2.1 |
| | LOWER | 110 | SIZE 20 CLASS 3 CRUSHED ROCK, COMPACTED TO A MINIMUM DENSITY OF 96% (MODIFIED) AS1289, 5.2.1 |
| CAPPING | CAPPING LAYER | 150 | RIPPED ROCK OR STABILISED CLAY MEETING THE FOLLOWING PROPERTIES: CBR >=7%, PERMEABILITY k < 1x10 ⁻⁹ m/s AND SWELL < 1.5%. MATERIAL COMPACTED TO A MINIMUM DENSITY RATIO 98% (STANDARD) AS1289, 5.1.1 |
| SUBGRADE/CONSTRUCTION LAYER | SUBGRADE/CONSTRUCTION LAYER | 200 | RIPPED ROCK OR STABILISED CLAY MEETING THE FOLLOWING PROPERTIES: CBR >=7%, PERMEABILITY k < 1x10 ⁻⁹ m/s AND SWELL < 1.5%. MATERIAL COMPACTED TO A MINIMUM DENSITY RATIO 98% (STANDARD) AS1289, 5.1.1 |

| 200 VPD - PARKING BAY PAVEMENT COMPOSITION | | | |
|--|----------------|-------|-------------------------------------|
| 300mm DEPTH PAVEMENT COMPOSITION | | LAYER | MATERIAL |
| PAVEMENT LAYER | THICKNESS (mm) | | |
| CONCRETE | UPPER LAYER | 200 | CONCRETE. S182 MESH. 40mm TOP COVER |
| CRUSHED ROCK | BASE | 100 | CLASS 3 CRUSHED ROCK 20mm NOM. SIZE |

NOTE
 ALL PAVEMENT DESIGNS HAVE BEEN PROVIDED BY TONKIN AND TAYLOR. SMEC IS NOT RESPONSIBLE FOR GEOTECHNICAL OR PAVEMENT RELATED DESIGNS AND IS NOT RESPONSIBLE FOR THE ACCURACY, ADEQUACY OR APPROPRIATENESS OF THESE DESIGNS. THE PAVEMENT COMPOSITIONS SHOWN ON THIS DRAWING HAVE BEEN REPRODUCED FROM THE PAVEMENT REPORT FOR THIS DEVELOPMENT STAGE. THIS DOCUMENT SHOULD BE REVIEWED BY THE CONTRACTOR TO ENSURE DESIGN HAS BEEN INTERPRETED CORRECTLY. A COPY OF THIS DOCUMENT WILL BE MADE AVAILABLE ON REQUEST. ANY DIFFERENCES FROM THIS REQUIREMENTS SHOWN ARE TO BE NOTIFIED TO THE SUPERINTENDENT BEFORE PROCEEDING.

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AS CONSTRUCTED

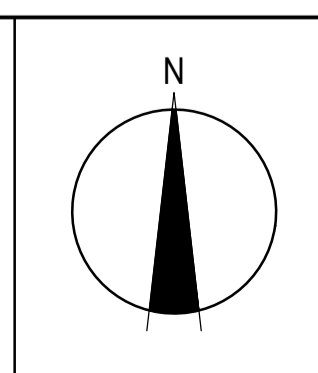
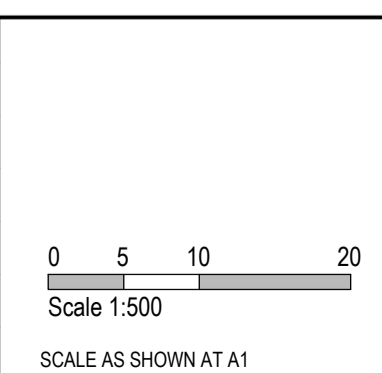
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Environmental Management - ISO 14001
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| TITLE | NAME |
|-----------------|-----------|
| DRAFTER | A.Famili |
| DESIGNER | A.Famili |
| CHECKED | N.Freeman |
| AUTHORISED | C.Sexton |
| REFERENCE No. 1 | |
| REFERENCE No. 2 | |

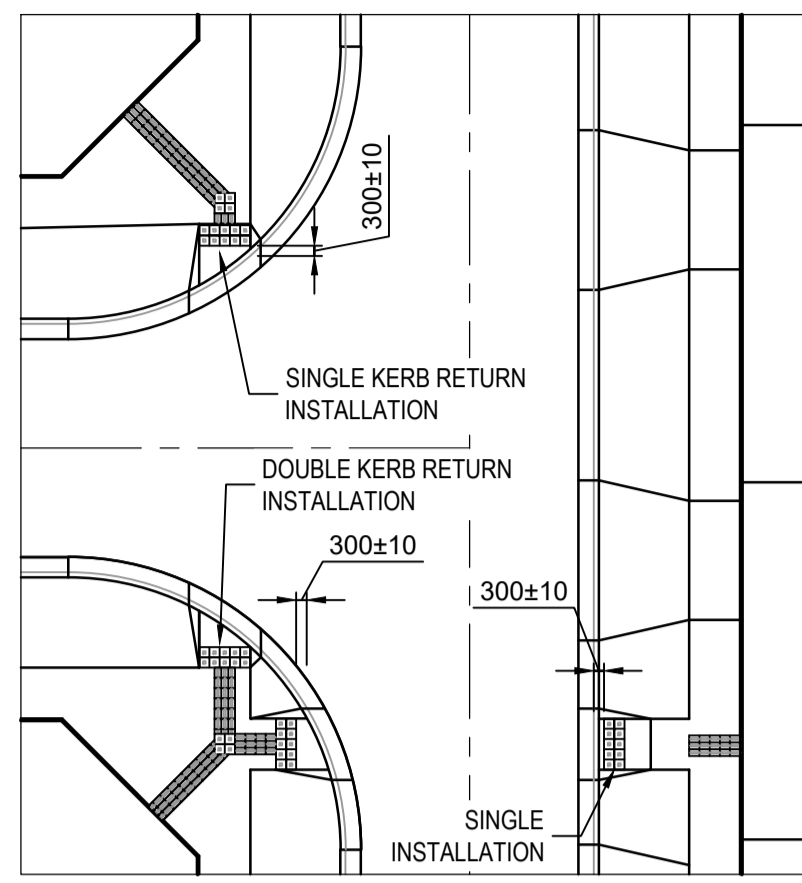


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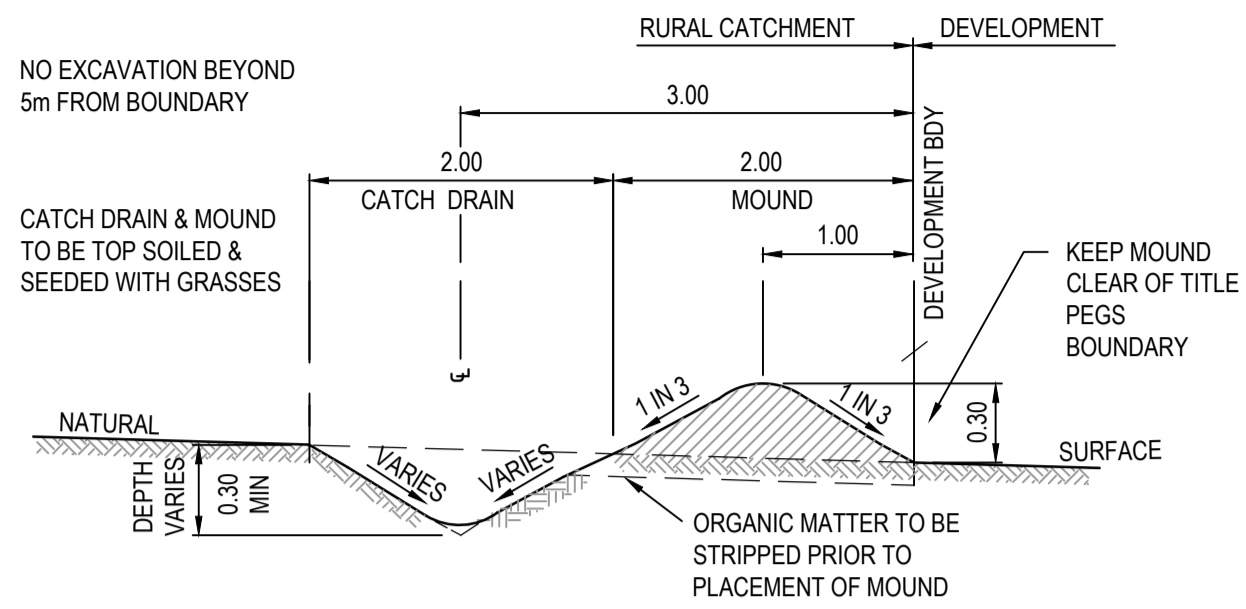


Alamora Estate, Sayers Road, Tarnait - Stage 1
 Wyndham City Council
 Road and Drainage
 Pavement Details

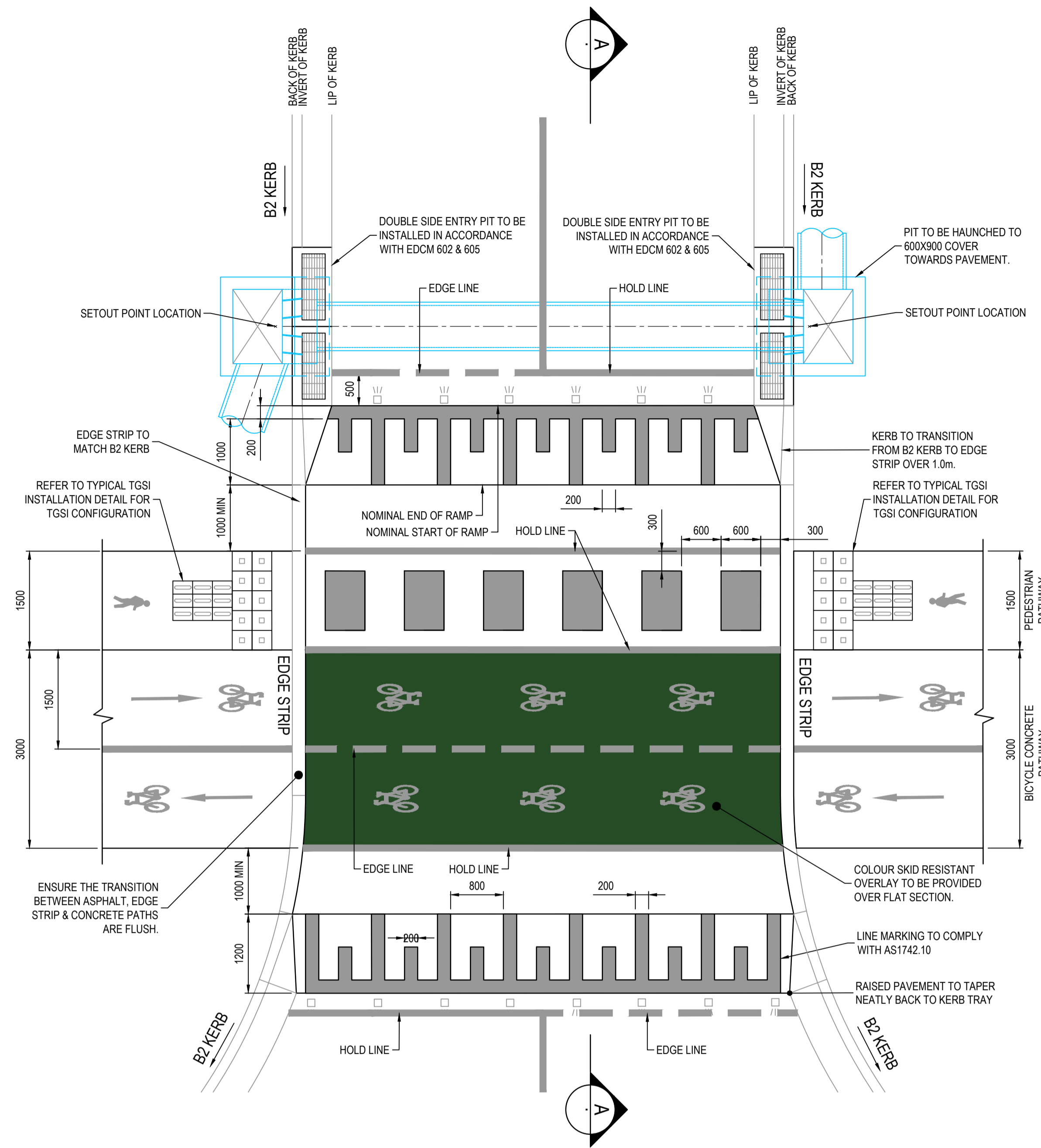
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|-----------------------|---------------------------------------|-----------------------|---------------|
| MELWAYS REF 234 D5 | PROJECT / DRAWING No. 2070E-A01-17 | SHEET No. 17 of 20 | REVISION 0 |
|-----------------------|---------------------------------------|-----------------------|---------------|



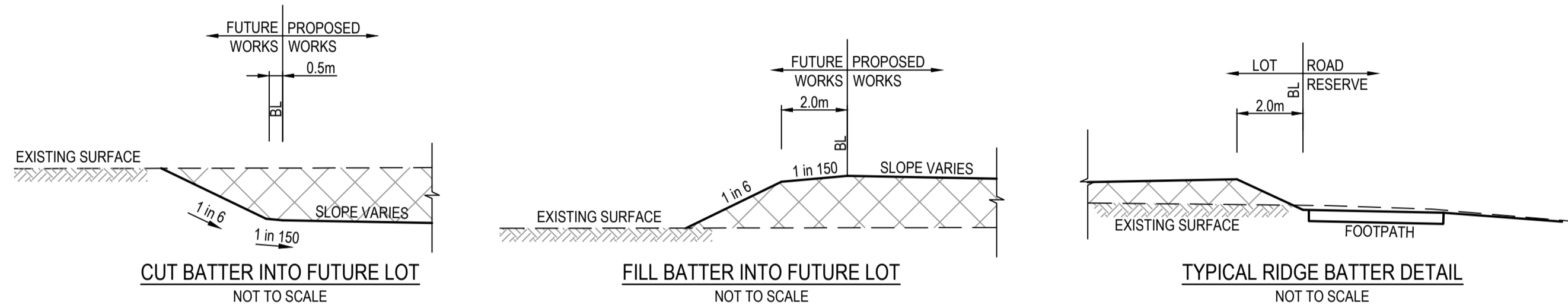
TYPICAL TGSI LAYOUT
N.T.S
REFER TO NOTE 34



TYPICAL SECTION THROUGH CATCH DRAIN
NOT TO SCALE



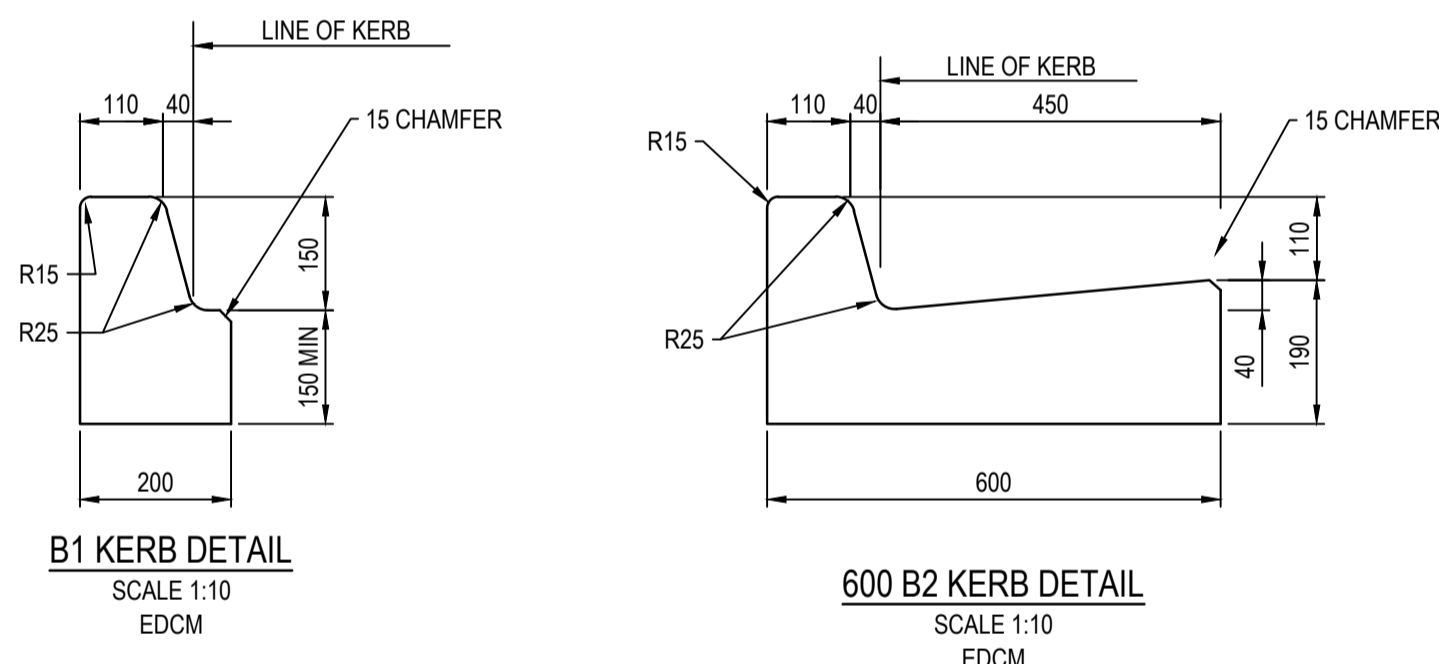
TYPICAL RAISED PAVEMENTS AND LINEMARKING LAYOUT
NOT TO SCALE



CUT BATTER INTO FUTURE LOT
NOT TO SCALE

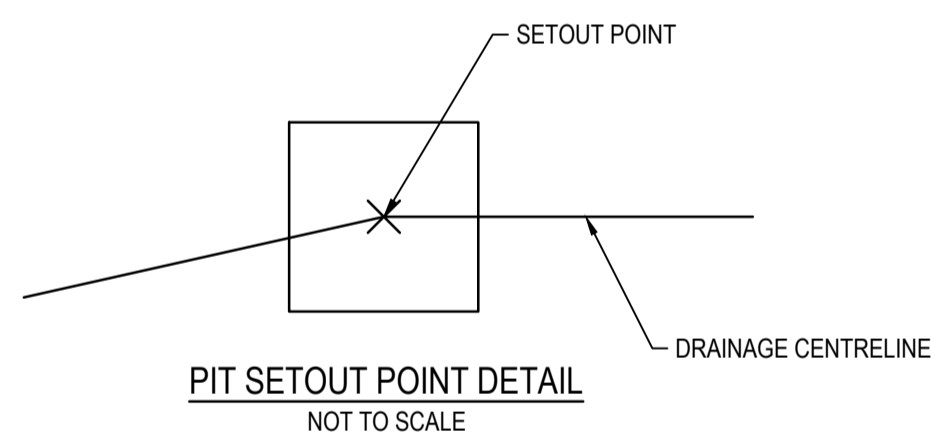
FILL BATTER INTO FUTURE LOT
NOT TO SCALE

TYPICAL RIDGE BATTER DETAIL
NOT TO SCALE

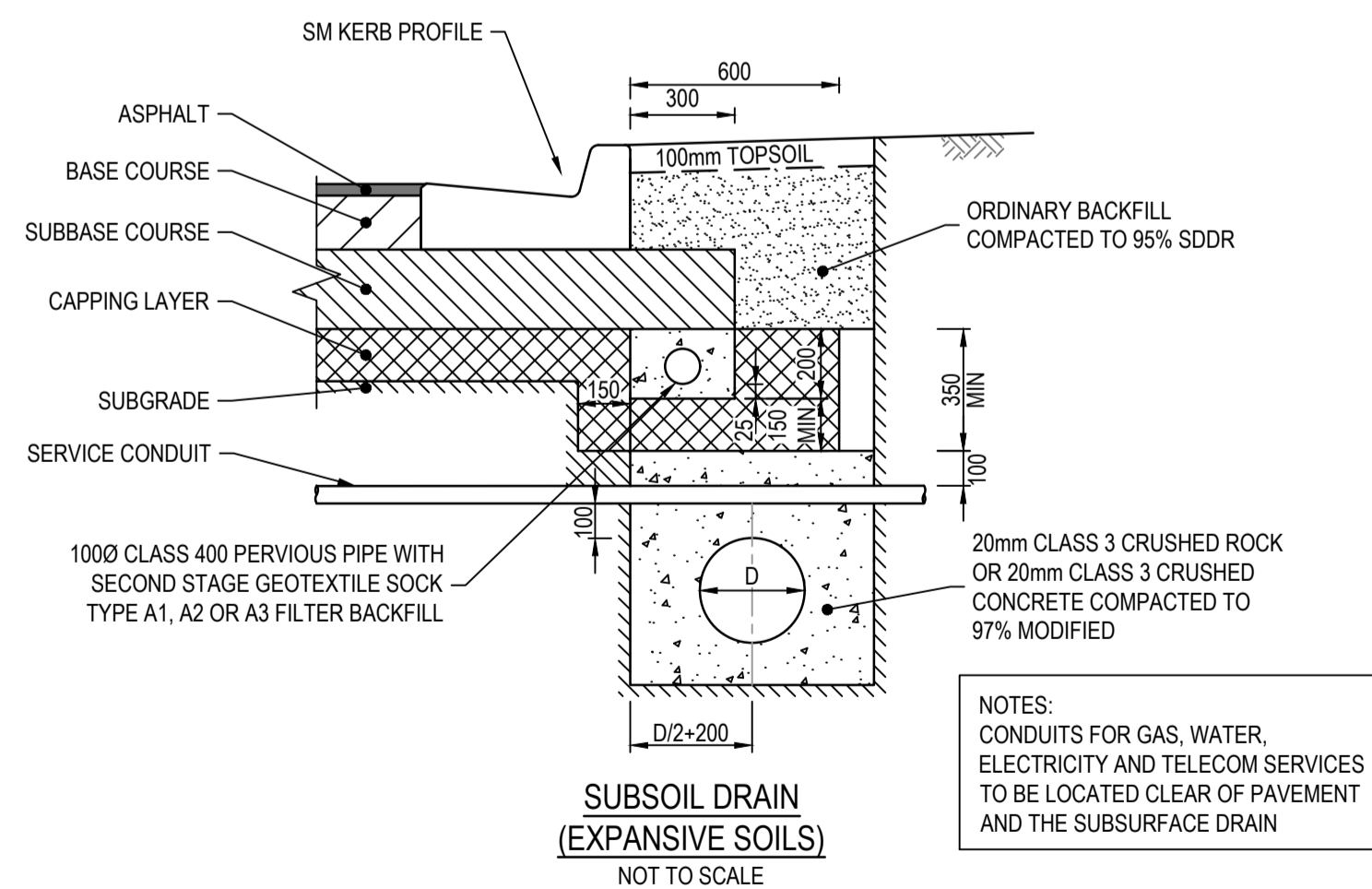


B1 KERB DETAIL
SCALE 1:10
EDCM

600 B2 KERB DETAIL
SCALE 1:10
EDCM

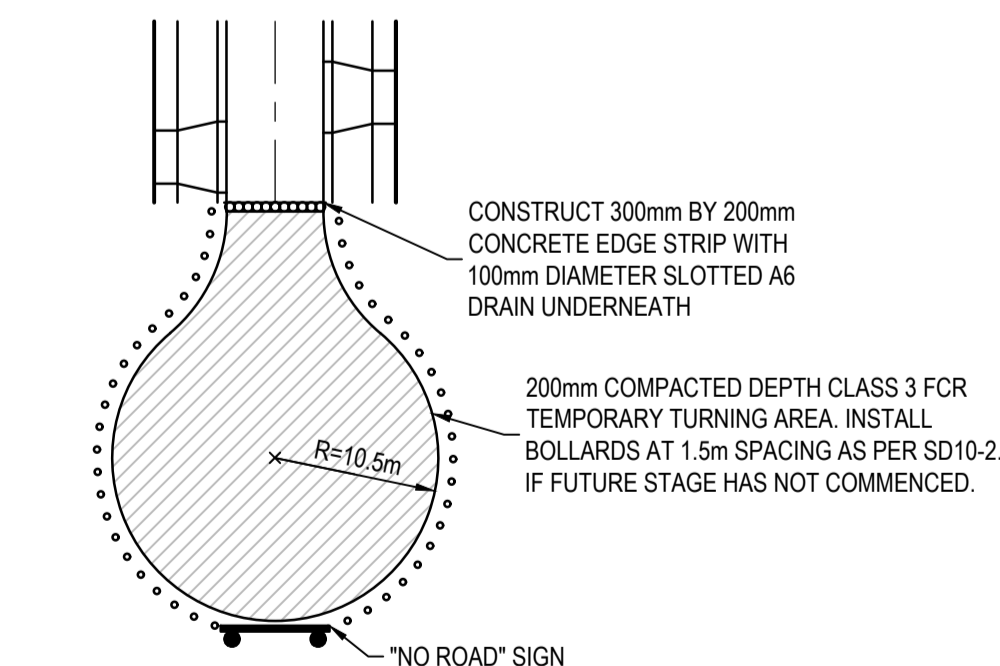


PIT SETOUT POINT DETAIL
NOT TO SCALE

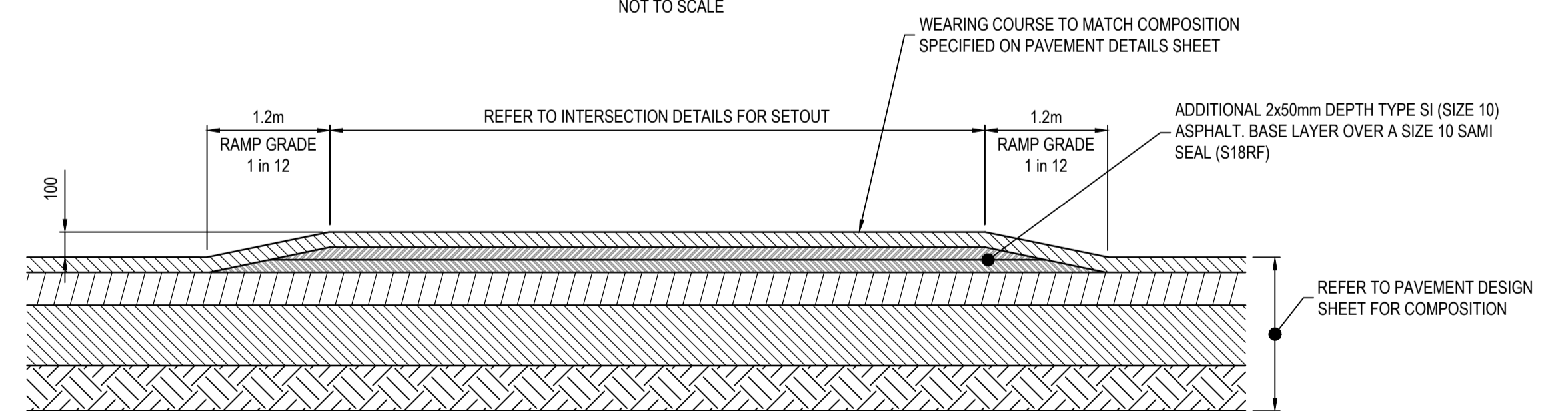


SUBSOIL DRAIN (EXPANSIVE SOILS)
NOT TO SCALE

NOTES:
CONDUITS FOR GAS, WATER, ELECTRICITY AND TELECOM SERVICES TO BE LOCATED CLEAR OF PAVEMENT AND THE SUBSURFACE DRAIN



TEMPORARY TURN AREA DETAIL
NOT TO SCALE



FLAT TOP RAISED PAVEMENT SECTION A-A
NOT TO SCALE

NOTE:
RECYCLED CONCRETE IS NOT ACCEPTABLE MATERIAL IN LIEU OF CLASS 3 FCR

WARNING
BWARE 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. Locate all underground services before commencement of works. **DIAL 1100 BEFORE YOU DIG**
www.1100.com.au

AS CONSTRUCTED PLANS
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AS CONSTRUCTED

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OHS Management AS/NZS 4801
Environmental Management ISO 14001

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| TITLE | NAME |
|-----------------|-----------|
| DRAFTER | A.Famili |
| DESIGNER | A.Famili |
| CHECKED | N.Freeman |
| AUTHORISED | C.Sexton |
| REFERENCE No. 1 | |
| REFERENCE No. 2 | |

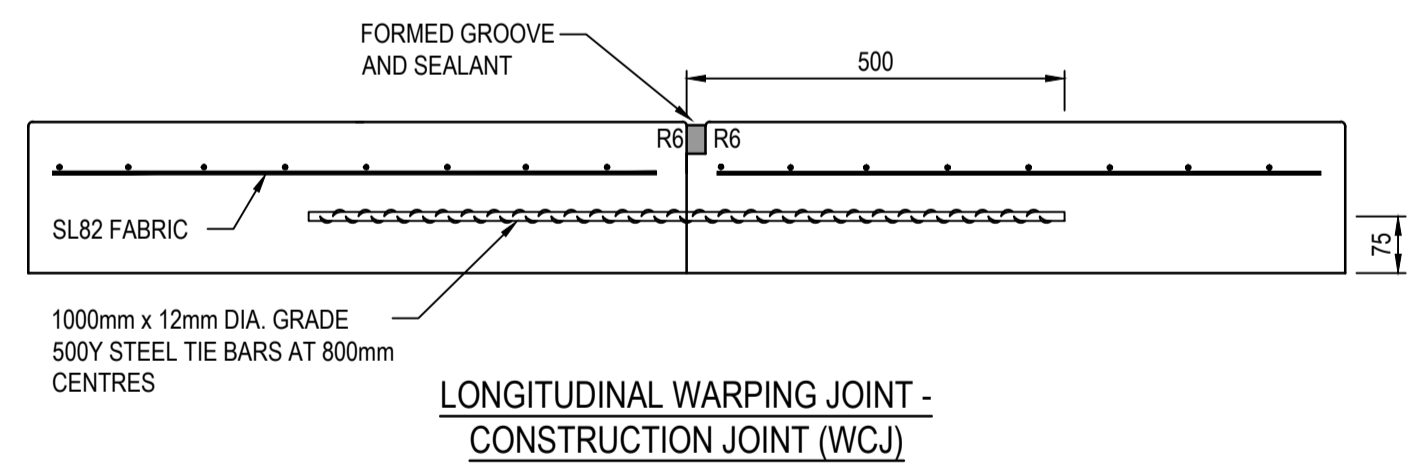
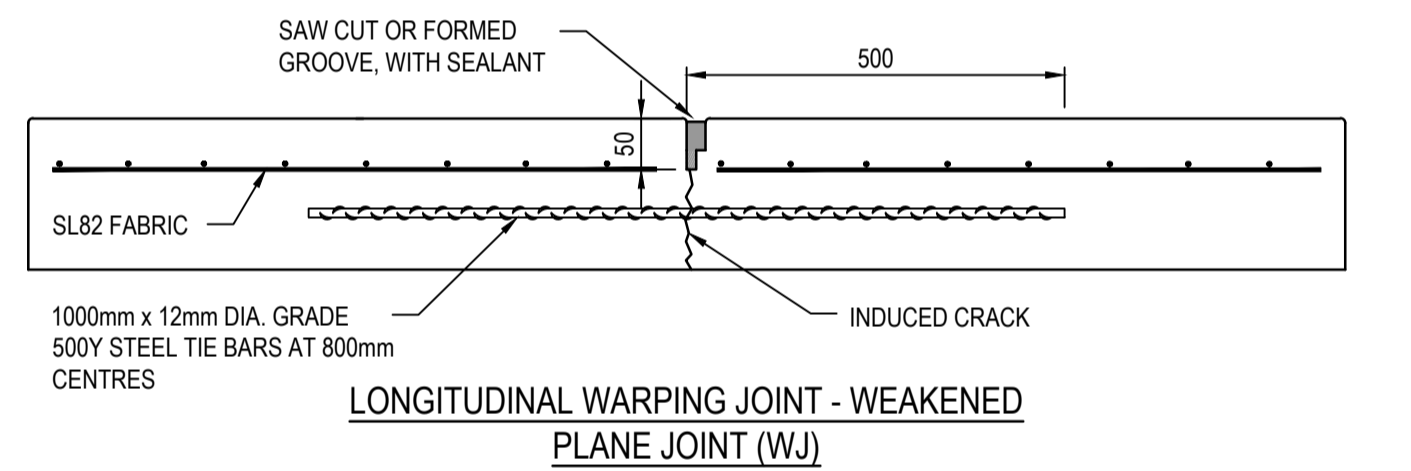
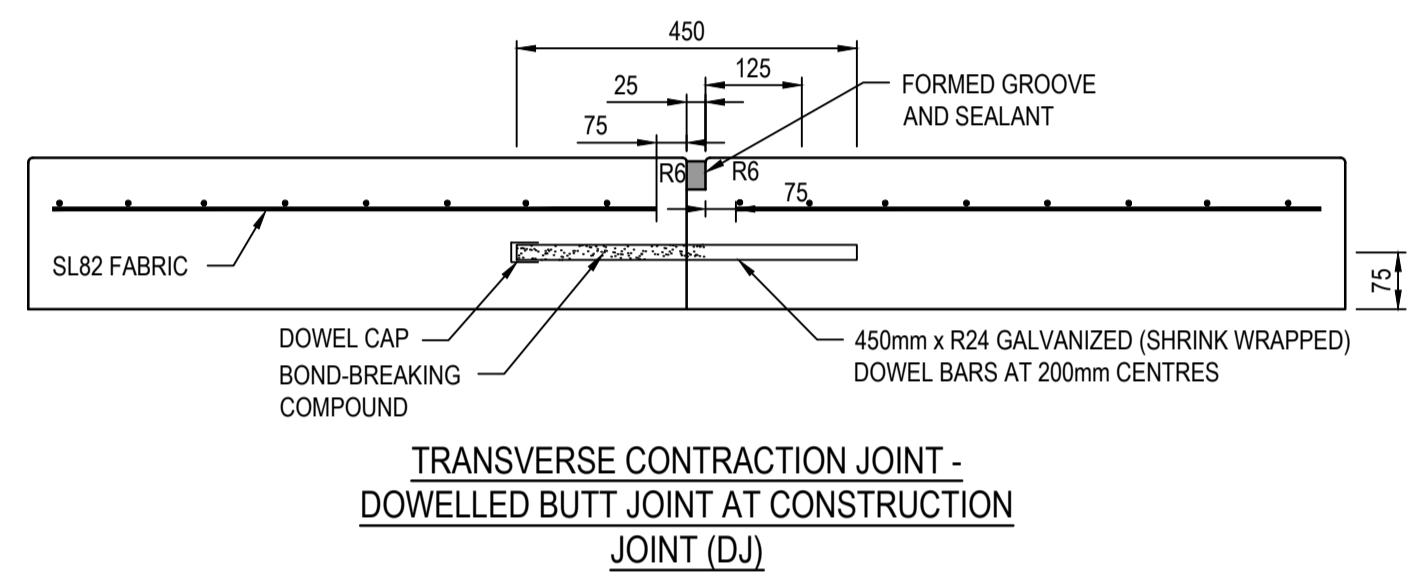
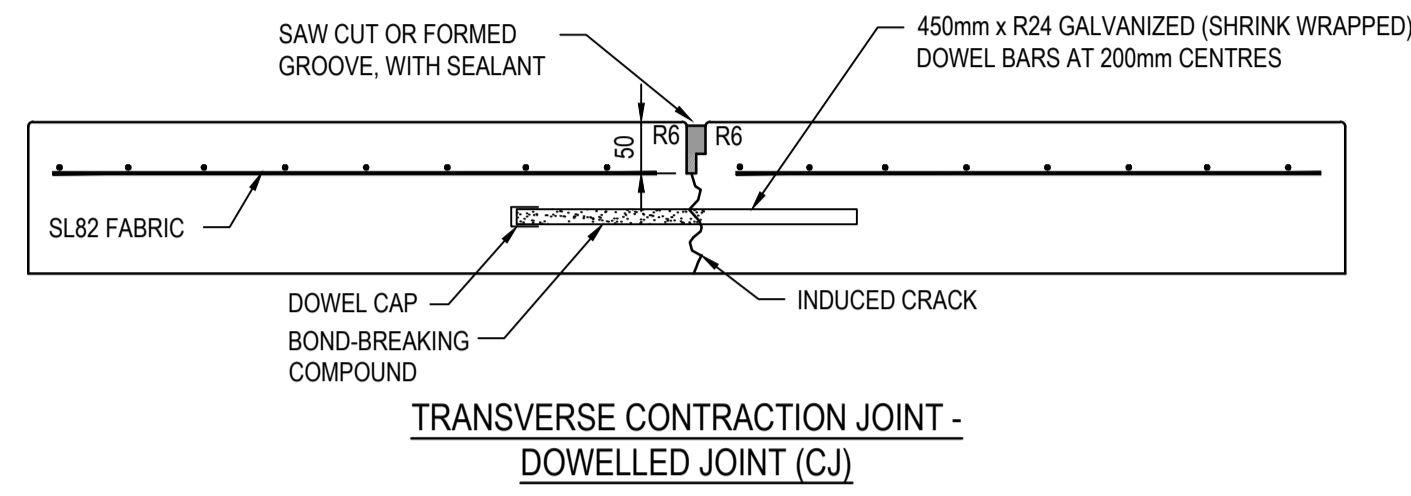
0 0.1 0.2 0.4
Scale 1:10
SCALE AS SHOWN AT 1

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ALAMORA
Tarnait

Alamora Estate, Sayers Road, Tarnait - Stage 1
Wyndham City Council
Road and Drainage
General Details - 1

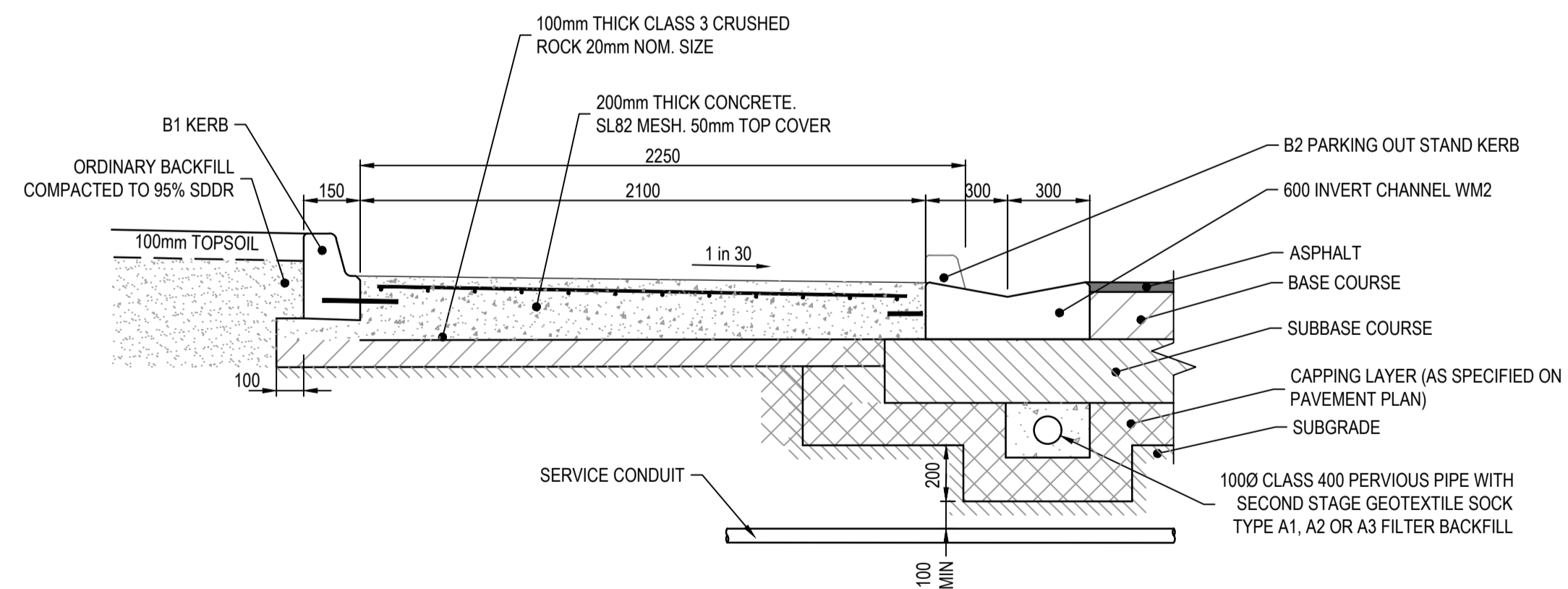
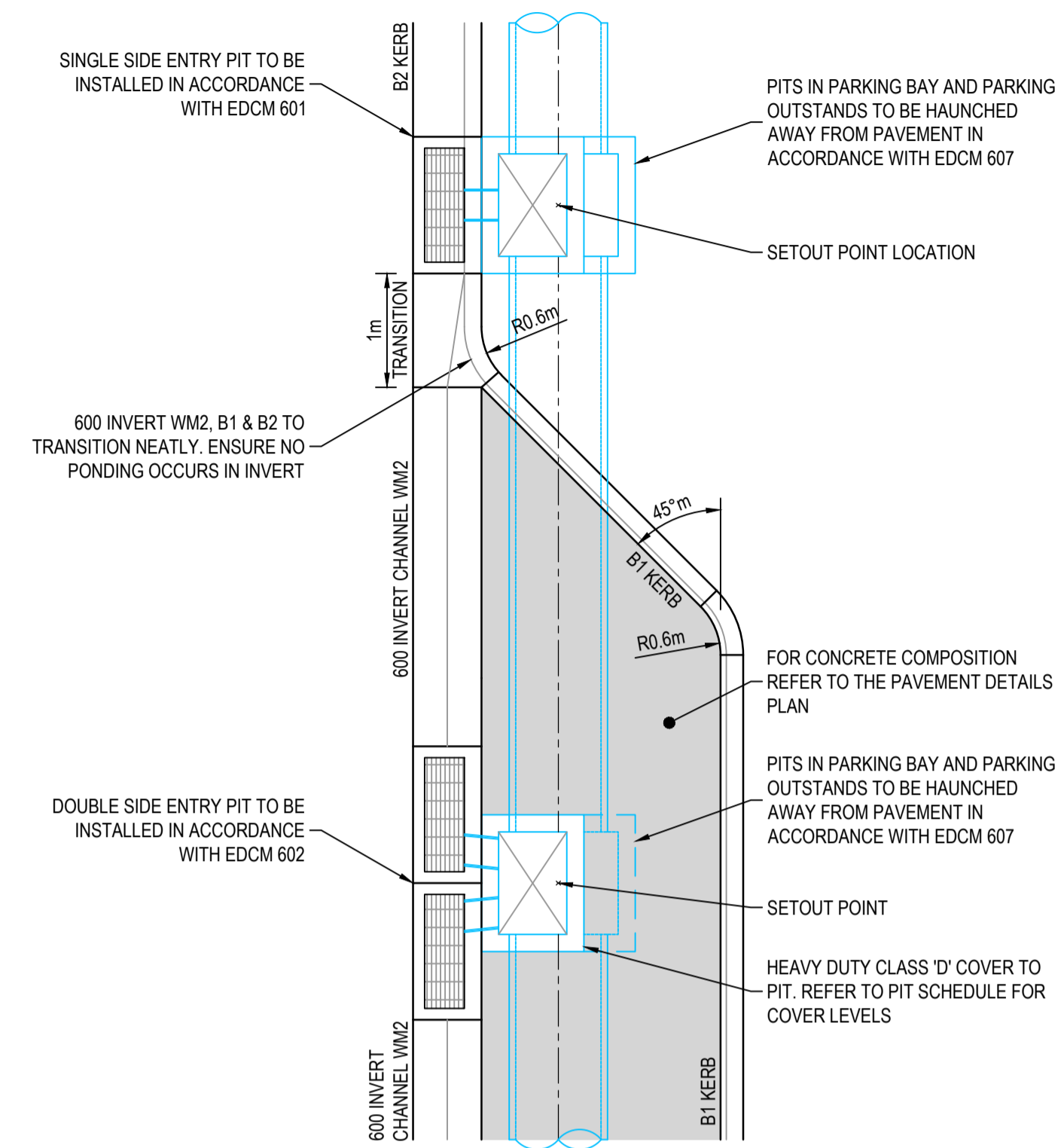
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|-----------------------|---------------------------------------|-----------------------|---------------|
| MELWAYS REF 234 D5 | PROJECT / DRAWING No. 2070E-A01-18 | SHEET No. 18 of 20 | REVISION 0 |
|-----------------------|---------------------------------------|-----------------------|---------------|



CONCRETE JOINTING DETAILS
NOT TO SCALE

NOTES:

- CONCRETE SHALL BE CURED IN ACCORDANCE WITH AS3600 AND NOT TO BE TRAFFICKED UNTIL AT LEAST SEVEN DAYS AFTER POURING.



NOTES:
CONDUITS FOR GAS, WATER, ELECTRICITY AND TELECOM SERVICES TO BE LOCATED CLEAR OF PAVEMENT AND THE SUBSURFACE DRAIN

AS CONSTRUCTED PLANS

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AS CONSTRUCTED

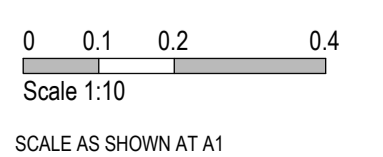
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| DRAFTER | A.Famili |
| DESIGNER | A.Famili |
| CHECKED | N.Freeman |
| AUTHORISED | C.Sexton |
| REFERENCE No. 1 | |
| REFERENCE No. 2 | |



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ALAMORA
Tarnait

Alamora Estate, Sayers Road, Tarnait - Stage 1
Wyndham City Council
Road and Drainage
General Details - 2

| | | | |
|------------------------------|--|------------------------------|----------------------|
| MELWAYS REF 234 D5 | PROJECT / DRAWING No. 2070E-A01-19 | SHEET No. 19 of 20 | REVISION 0 |
|------------------------------|--|------------------------------|----------------------|

| | |
|---|----------------------------------|
| Project Name: Alamora Stage 1 | Design Package: 2070E-A01 |
| | Date: 14/02/2020 |

| PHASE | DISCIPLINE CODE | RISK REGISTER -Construction- Operations- Maintenance POTENTIAL RISK | | RISK OWNER | POTENTIAL CONSEQUENCES | POTENTIAL ELIMINATION MEASURE, DESIGN INITIATIVE or CONTROL (Identify any Standard or Code of practice used) | HOW ISSUE ADDRESSED IN DESIGN AND/OR CONSTRUCTION OF THE WORKS | IS THE RISK ELIMINATED YES/NO | Residual Risk Likelihood (0-5) | Residual Risk Consequence (0-5) | Residual Risk Rating | RESIDUAL RISK OWNER |
|--------------|-----------------|--|--|--------------------|--|---|--|----------------------------------|--------------------------------|---------------------------------|----------------------|---------------------|
| | | Road Furniture / Roadside features | | | | | | | | | | |
| Construction | RD | Roads | Construction close to live traffic | Contractor | Disruptions to live traffic, construction incident involving live traffic. | Provide safe temporary traffic control (TCP) | TCP provided within contract | N | 5.000 | 3.000 | 15.000 | Constructor |
| Construction | US | Utilities or Services | Utilities become a hazard within clear zones | Contractor | Vehicle conflict with utility / pit | Sequence works and protect with temp barrier or traffic control (TCP) | TCP provided within contract | N | 1.000 | 5.000 | 5.000 | Constructor |
| Operational | RD | Roads | Sight Lines | Road Authority | Inadequate drivers response time. | Ensure design complies with relevant standard. Undertake thorough Safety Audit | Vis lines checked and discussed with approval authority as part of design approval process | N | 1.000 | 4.000 | 4.000 | Road Authority |
| Operational | LS | Lines and Signs | Signs and street lights | Road Authority | Potential for drivers / riders to strike signs and street lights | Ensure design complies with relevant standard. Undertake thorough Safety Audit | Refer to appropriate standard for sign and lighting offsets | N | 1.000 | 4.000 | 4.000 | Road Authority |
| Operational | RD | Roads | Culverts | Relevant Authority | Potential fall hazard during maintenance, by vehicles and pedestrians | Barriers to be provided in accordance with road standards | Barriers to be provided and safe batter slopes (>1:3) | N | 2.000 | 5.000 | 10.000 | Constructor |
| | | Drainage | | | | | | | | | | |
| Operational | DR | Drainage | Grated Pits | Relevant Authority | Trip/fall hazard with large spaced grate | Provide pedestrian/bicycle friendly grates where applicable. Refer to pit schedule | Design in accordance with authority and manufacturers standards | N | 3.000 | 2.000 | 6.000 | Authority |
| Operational | DR | Drainage | Non Standard Large Pits | Relevant Authority | Potential for pit failure | Structural design in accordance with relevant design principles. | Refer to structural drawings and calculations | N | 1.000 | 4.000 | 4.000 | Authority |
| Operational | DR | Drainage | Culvert Endwalls/Headwalls | Relevant Authority | Potential for falling from height | Fencing to be provided where culverts/headwalls are at height in accordance with relevant authority standards | Allow for fencing in Design Process | N | 1.000 | 4.000 | 4.000 | Authority |
| Operational | DR | Drainage | Culvert Endwall/Headwall Outlets | Relevant Authority | Children playing in large pipes / watercourses and access for maintenance | Grate provided to authority standards | Design in accordance with authority and manufacturers standards | N | 2.000 | 5.000 | 10.000 | Authority |
| Maintenance | DR | Drainage | Access to Pits | Relevant Authority | Lack of safe access for maintenance | Provide safe working conditions for maintenance. Provide safe landing/ access arrangements as per relevant authority standards | Where possible design pit in location for easy access and outside of permanent water bodies | N | 2.000 | 5.000 | 10.000 | Authority |
| Maintenance | DR | Drainage | Deep Pits | Relevant Authority | Lack of safe entry for maintenance | Contractor to be certified for work in confined spaces, step irons to be provided to appropriate authority standards. Refer to pit schedule | Design in accordance with authority standards | N | 1.000 | 5.000 | 5.000 | Authority |
| Maintenance | DR | Drainage | Access to drains / culverts | Relevant Authority | Lack of safe access for maintenance | Provide safe working conditions for maintenance. Access as approved by authority | Design pit in location for easy access as agreed with authority | N | 2.000 | 3.000 | 6.000 | |
| | | Sewer | | | | | | | | | | |
| Maintenance | SE | Sewer | Deep Manholes | Relevant Authority | Lack of safe entry for maintenance | Contractor to be certified for work in confined spaces, landings and step access provided as per authority standards and schedule | Design in accordance with authority standards. Refer pit schedule on drawings | N | 1.000 | 5.000 | 5.000 | Authority |
| Maintenance | SE | Sewer | Access to Manholes | Relevant Authority | Lack of safe access for maintenance | Provide safe working conditions for maintenance. Manholes located in compliance with authority standards | Where possible design manhole in location for easy access | N | 1.000 | 5.000 | 5.000 | Authority |
| | | Electricity | | | | | | | | | | |
| Operational | ES | Electrical Services | Electrical Design | Relevant Authority | Location of assets within clear zones e.g. pits/ substations | Electrical designed by sub consultant with appropriate accreditation and in accordance with authority standards | Pits designed below ground. Where above ground adequate offset from vehicle clear zones has been provided or barrier protection provided | N | 2.000 | 3.000 | 6.000 | Authority |
| | | Telstra | | | | | | | | | | |
| Operational | TE | Telstra | Telstra Design | Relevant Authority | Location of assets within clear zones e.g. pits | Telecommunications designed by authority consultant with appropriate accreditation and in accordance with authority standards | Pits designed below ground. Where above ground adequate offset from vehicle clear zones has been provided or barrier protection provided | N | 2.000 | 3.000 | 6.000 | Authority |
| | | Water | | | | | | | | | | |
| Operational | WA | Water | Water Design | Relevant Authority | Location of assets within clear zones e.g. pits/ substations | Water pits designed in accordance with authority standards | Pits designed below ground. Where above ground adequate offset from vehicle clear zones has been provided or barrier protection provided | N | 2.000 | 3.000 | 6.000 | Authority |
| | | Gas | | | | | | | | | | |
| Operational | GA | Gas | Gas Design | Relevant Authority | Location of assets within clear zones e.g. pits/ substations | Water pits designed in accordance with authority standards | Pits designed below ground. Where above ground adequate offset from vehicle clear zones has been provided or barrier protection provided | N | 1.000 | 1.000 | 1.000 | Authority |

AS CONSTRUCTED PLANS

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 OHS Management - AS/NZS 4500
 Environmental Management - ISO 14001

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| | |
|-----------------|-----------|
| TITLE | NAME |
| DRAFTER | A.Famili |
| DESIGNER | A.Famili |
| CHECKED | N.Freeman |
| AUTHORISED | C.Sexton |
| REFERENCE No. 1 | |
| REFERENCE No. 2 | |

SCALE AS SHOWN AT A1

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ALAMORA
Tarneit

Alamora Estate, Sayers Road, Tarneit - Stage 1
 Wyndham City Council
 Road and Drainage
 Safety In Design

| | | | |
|-----------------------|---------------------------------------|-----------------------|---------------|
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|-----------------------|---------------------------------------|-----------------------|---------------|