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ABN: 38 393 903 860

Your Ref:

Our Ref: SDW3402/22  
WYP9651/16

Enquiries: *Apryl Astudillo*  
Tel: (03) 8734 2645

29 November 2023

Bo Zheng  
Stantec Australia  
L 4 501 Swanston St  
MELBOURNE VIC 3000

Dear Bo,

**RE: PARKLANE GARDENS STAGE 8 - CONSTRUCTION PLAN APPROVAL**

Please be advised that the road and drainage construction plans submitted to Council for Parklane Gardens Stage 8 are approved subject to the following conditions:-

1. **CCTV inspection must be conducted and report must be provided to Council as per Wyndham City Council's Technical Specification Section 701 – Underground Stormwater Drains.**
2. **Prior to commencement of works, an on-site pre-commencement meeting must be held between Council, the Engineering Consultant and the Contractor.**
3. **Prior to installation of any Tactile Ground Surface Indicators, the proposed product must be inspected and approved by Council. Please notify Council's construction supervisor to book an inspection prior to installation.**
4. **Prior to commencement of works, the Plan of Subdivision must be certified by Council.**
5. **Prior to commencement of approved works within ANY existing road reserves, the consultant/contractor MUST apply for consent to work within the road reserves from Council or any other relevant responsible authorities. The Contractor will be responsible for maintain all existing assets within the limit of works as demonstrated on the approved plans.**
6. **A free-flowing drainage outlet must be established and maintained throughout the entirety of construction works. No road boxing works are to commence in the absence of a free-flowing drainage outlet.**
7. Prior to commencement of works, the consultant/contractor shall provide to Council the following information:-
  - source of quarry material; and
  - optimum moisture content and maximum modified dry density of the F.C.R to be used (from N.A.T.A. approved laboratory).If the source of the quarry material is changed during the course of the works, new test results shall be provided.
8. Prior to the commencement of works, a Site Environmental Management Plan (SEMP) must be submitted to and **approved** by Council.
9. Construction is to commence within twelve (12) months of approval, otherwise construction plans and specifications are to comply with design standards current at the time of re-submission.

10. Filled allotments shall be compacted in 150mm maximum layers, with compaction tests being taken at not more than 300mm lift on all allotments and filled areas. The test results and location of the tests on each allotment shall be forwarded to Council.
11. Wyndham City Council Specifications and standard details shall be read in conjunction with the approved plans.
12. Prior to Council issuing a Statement of Compliance, pursuant to the Subdivision Act 1988, your firm shall provide to Council the following:
  - Payment of construction supervision fees amounting to 2.5% of the total cost of road and drainage works;
  - Payment of a maintenance bond amounting to 5% of the total cost of road and drainage works;
  - An electronic copy of all as constructed drawings and relevant files in both AutoCad DWG and Adobe PDF file formats, to either [subdiveng@wyndham.vic.gov.au](mailto:subdiveng@wyndham.vic.gov.au) or via Objective Connect. Please note that the minimum resolution of PDF files required is 300dpi;
  - An electronic copy of drainage catchment plans and detailed computations in Adobe PDF file format to either [subdiveng@wyndham.vic.gov.au](mailto:subdiveng@wyndham.vic.gov.au) or via Objective Connect;
  - As constructed asset information for drainage and related assets in digital format in accordance with "D-Spec" to either [subdiveng@wyndham.vic.gov.au](mailto:subdiveng@wyndham.vic.gov.au) or via Objective Connect; and
  - As-constructed asset information for assets within the road reserve in digital format in accordance with "R-Spec" to either [subdiveng@wyndham.vic.gov.au](mailto:subdiveng@wyndham.vic.gov.au) or via Objective Connect; and
  - The A.H.D levels and M.G.A co-ordinates of the high stability P.S.Ms.
  - For further information please see: <https://www.wyndham.vic.gov.au/subdivisionguidelines>
13. Easements are to be created to cover all services which cross any part of private allotments.
14. During construction of works under this permit, access to and egress from the subject land must be via a route designed and approved by the Council. Where practical this access should be remote from established residential areas.
15. Provide Landscaping Plan for approval by Council. Please contact [subdivlud@wyndham.vic.gov.au](mailto:subdivlud@wyndham.vic.gov.au) to arrange a pre-application meeting prior to the submission of landscape plans for municipal reserves and/or public open space.
16. WorkSafe Victoria is to be advised via E-mail ([construction@workcover.vic.gov.au](mailto:construction@workcover.vic.gov.au)) of these Subdivisional works with the following details:
  - Name of the principal contractor
  - Name and phone contact of relevant Engineering Consultants supervisor dealing with the works
  - Brief description of the works
  - Locality/address of the works
  - Estimated commencement date of the works, and
  - Expected completion date of the works.
17. In undertaking the construction works, the developer shall ensure all works are undertaken in accordance with the OH & S Act, Regulation and Codes, and shall maintain a safe workplace for Council's staff undertaking inspections. The supervision of works by Council staff only extends to the quality of Council's future infrastructure and does not include ensuring that the works are undertaken safely.

Please find a set of stamped approved plans attached.

Yours sincerely,



STAN PESKA

**ENGINEERING SUBDIVISIONS CO-ORDINATOR**

Encl: (1) Stamped approved plans



# PARKLANE GARDENS - STAGE 8

## 504-530 BALLAN ROAD, WYNDHAM VALE

### FOR

# PARKLANE GARDENS DEVELOPMENT PTY LTD

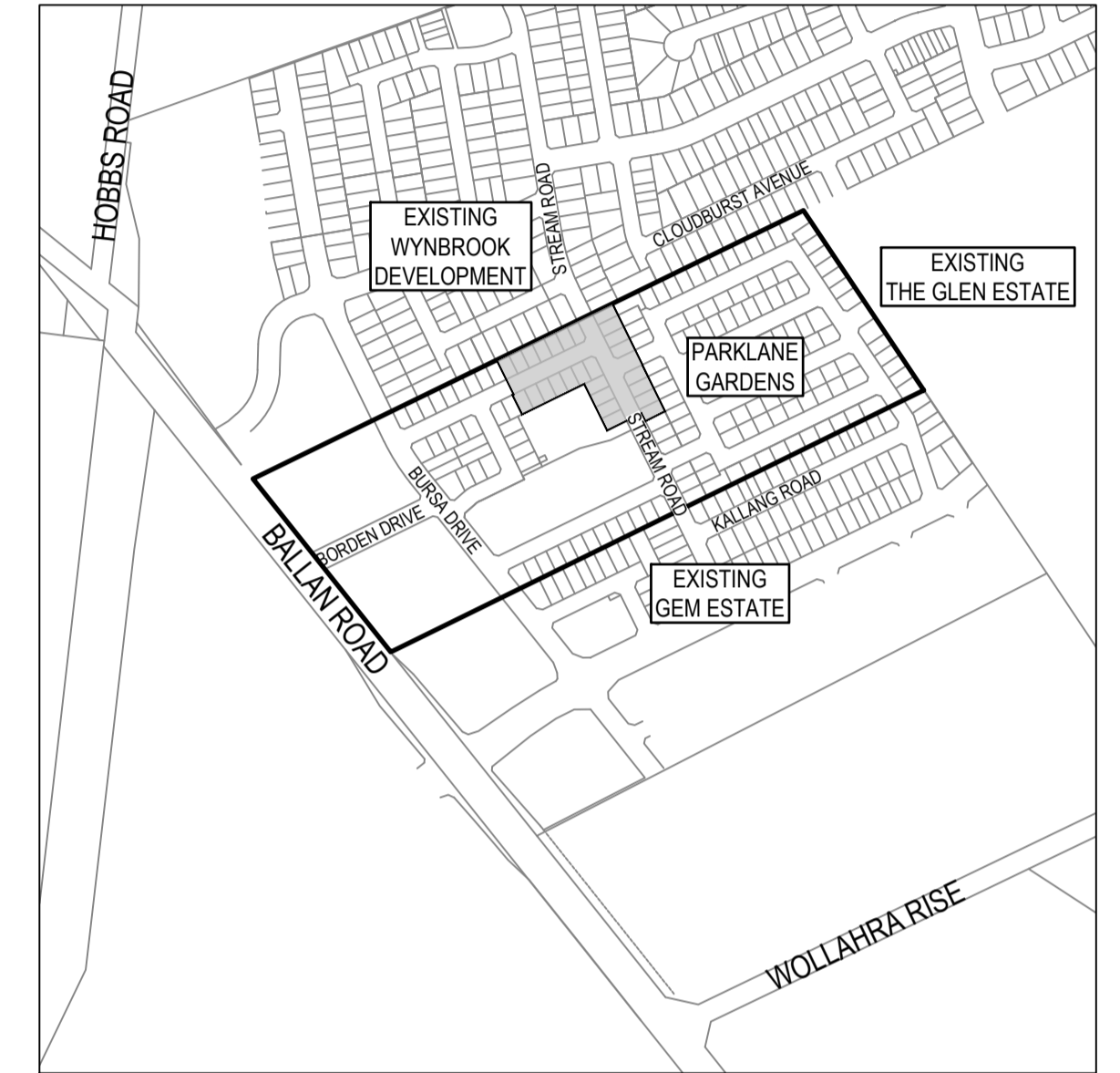
**Planning and Environment Act 1987**  
**Wyndham Planning Scheme**

**Approved Plan As Required**  
**under Condition 44**  
**Permit No WYP9651/16**  
**Date 29/11/2023**

**GENERAL NOTES**

ITEM	ASPECT	REMARKS					
1. GENERAL	ELECTRONIC PLANS	ELECTRONIC PLANS MAY BE PROVIDED TO ASSIST THE CONTRACTOR BUT DO NOT FORM PART OF THE CONTRACT. IN THE CASE OF DISCREPANCY BETWEEN THE ELECTRONIC INFORMATION AND THE HARD COPY PLANS THE HARD COPY PLANS TAKE PRECEDENT.					
	SURVEY	THESE PLANS ARE BASED UPON AN EXISTING CONDITIONS SURVEY BY PEYTON WAITE (REF 98551 DATED JUNE 2021) AND RELATE TO AHD. CONTRACTOR TO OBTAIN CURRENT EXISTING CONDITIONS PLAN FROM SURVEYOR BEFORE COMMENCEMENT OF WORKS.					
	GEOTECHNICAL DATA	REFER TO THE GEOTECHNICAL REPORT BY CARDNO (REF V171855 REPORT 01.3 DATED MARCH 2021). FOR GEOTECHNICAL INVESTIGATION AND SUBGRADE ASSESSMENT.					
	PLAN OF SUBDIVISION	PRIOR TO THE COMMENCEMENT OF WORK THE SITE WILL BE PEGGED BY THE SURVEYOR. FOR SPECIFIC TITLE DIMENSIONS REFER TO PS835074N.					
2. SITE CLEARANCE	SITE CLEARANCE	UNLESS OTHERWISE SHOWN, ALL EXISTING TREES ARE TO BE RETAINED AND PROTECTED AS NOTED PRIOR TO THE COMMENCEMENT OF WORKS. TREES WHICH ARE NOMINATED AS HAVING SPECIAL SIGNIFICANCE, SHALL BE TREATED AND PROTECTED IN ACCORDANCE WITH WYNDHAM CITY COUNCIL'S "TREE PRESERVATION ORDER" REQUIREMENTS. UNDER NO CIRCUMSTANCE SHALL WORKS BE CARRIED OUT, MATERIALS STORED OR VEHICLES PARKED WITHIN THE CANOPY LINE OF EXISTING TREES, UNLESS NOTED OTHERWISE. CLEARING AND GRUBBING OF TREES TO BE REMOVED SHALL BE CARRIED OUT IN ACCORDANCE WITH THE RELEVANT SPECIFICATIONS. NO TREE MAY BE ALTERED OR REMOVED WITHOUT THE APPROVAL OF WYNDHAM CITY COUNCIL.					
	FENCING	ALL EXISTING FENCING WITHIN AREAS OF WORKS SHALL NOT BE REMOVED. ALL REDUNDANT FENCING INCLUDING GATES WITHIN WORKS AREA SHALL BE REMOVED AND DISPOSED OFF SITE BY THE CONTRACTOR. THE CONTRACTOR WILL BE RESPONSIBLE FOR SITE SECURITY FOR THE DURATION OF THE CONTRACT.					
	STRIPPING - GENERAL	ALL ROAD RESERVE AREAS AND WHERE FILL IS TO BE PLACED TO GREATER THAN 300mm DEPTH, SHALL BE STRIPPED OF TOPSOIL PRIOR TO EARTHWORKS COMMENCING. ALL THICK GRASS AND OTHER VEGETATION TO BE REMOVED FROM SITE PRIOR TO STRIPPING TOPSOIL. ALL TOPSOIL SHALL BE STOCKPILED AT THE NOMINATED LOCATIONS. SUBSOIL CONTAINING ROOT MATERIAL ASSOCIATED WITH THE TOPSOIL SHALL THEN BE STRIPPED AND STOCKPILED AT THE NOMINATED LOCATIONS. DAMS AND EXISTING DRAINAGE CHANNELS WITHIN THE SITE OF WORKS SHALL BE DEWATERED AND UNSUITABLE BASE MATERIAL STRIPPED AND REMOVED FROM SITE PRIOR TO BACKFILLING.					
	STRIPPING-ROAD PAVEMENTS	IN LOCATIONS OF ROAD PAVEMENTS AND FOOTPATHS, ALL SILTY MATERIAL IS TO BE REMOVED TO THE TOP OF THE EXISTING CLAY LAYER AND REPLACED WITH ENGINEERING FILL TO THE SATISFACTION OF ALL PARTIES.					
3. SITE DRAINAGE	GENERAL	THE CONTRACTOR SHALL ENSURE THAT THE SITE IS FREE DRAINING AT ALL TIMES. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PROTECTION OF ALL SURFACES FOR THE DURATION OF THE CONTRACT AND WILL BE REQUIRED TO UNDERTAKE REMEDIAL WORKS AS DEEMED NECESSARY BY THE ENGINEER.					
	SITE MANAGEMENT PLAN	THE CONTRACTOR SHALL PREPARE A SITE MANAGEMENT PLAN DETAILING SITE CONTROLS TO MINIMISE THE RISKS OF STORMWATER POLLUTION THROUGH CONTAMINATION OF RUNOFF BY SEDIMENTS, CHEMICALS, GROSS POLLUTANTS OR OTHER WASTES IN ACCORDANCE WITH BEST PRACTICE ENVIRONMENTAL MANAGEMENT GUIDELINES. THIS PLAN SHALL BE IMPLEMENTED IN FULL FOR THE DURATION OF THE CONTRACT TO THE SATISFACTION OF ALL PARTIES. REFER DRAWING No. V220425-CI-1500 TO BE USED AS THE BASIS OF THIS PLAN.					
	GENERAL	BULK EARTHWORKS SHALL BE CARRIED OUT TO THE FINISHED SURFACE LEVELS SHOWN. ALL LOTS SHALL HAVE A MINIMUM GRADE OF 1 IN 150 FALL ON THE LOW SIDE. THE CONTRACTOR IS TO ENSURE THAT ALL WORKS ARE IN ACCORDANCE WITH THE MINES (TRENCHES) REGULATIONS AND RELEVANT OH&S LEGISLATION.					
	FILLING	PRIOR TO THE COMMENCEMENT OF FILLING THE SITE SHALL BE STRIPPED AS NOTED. FILLING TO DEPTHS GREATER THAN 300mm SHALL BE PLACED AND COMPACTED IN STRICT ACCORDANCE WITH THE SPECIFICATIONS AND AS3798-2007 AND SUPERVISED BY NATA REGISTERED GEOTECHNICAL ENGINEER WITH MINIMUM RELATIVE COMPACTION IN ACCORDANCE WITH AS3798-2007 TABLE 5.1. GEOTECHNICAL SUPERVISION TO BE LEVEL 1 FOR ALL FILL. APPROVED MATERIAL WON FROM SITE SHALL BE MOISTURE CONDITIONED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT PRIOR TO BEING PLACED IN LAYERS OF 150mm MAXIMUM BASE DEPTH. ENGINEERED FILL SHALL ACHIEVE A MINIMUM COMPACTION OF 100% STANDARD DRY DENSITY UNDER PAVEMENTS, 98% STANDARD DRY DENSITY ELSEWHERE WITHIN THE ROAD RESERVE, AND 95% STANDARD DRY DENSITY IN ALL OTHER LOCATIONS. RECORDS SHALL BE KEPT OF ALL EARTHWORK CONSTRUCTION AS CONTAINED IN AS3798 CLAUSE 3.4 AND A COPY MADE AVAILABLE TO THE ENGINEER AND THE COUNCIL UPON COMPLETION. NO FILL OR STOCKPILING OF MATERIAL IS TO BE PLACED ON ANY RESERVE FOR PUBLIC OPEN SPACE UNLESS OTHERWISE DIRECTED BY THE ENGINEER. FINAL SUBGRADE COMPACTION, AND ONE ALLOTMENT COMPACTION SOIL TEST PER LOT IS TO BE PROVIDED AT THE COMPLETION OF THE FILLING WORKS.					
4. EARTHWORKS	TOPSOIL - GENERAL	ALL TOPSOIL STRIPPED FROM THE SITE SHALL BE STOCKPILED AT NOMINATED LOCATIONS FOR FUTURE RE-USE. THE BEST OF THE STOCKPILED TOPSOIL SHALL BE USED WITHIN THE ROAD RESERVE, IN VERGES, SWALE DRAINS ETC. AS DETAILED. NO TOPSOIL TO BE REMOVED FROM SITE.					
	TOPSOIL - LOTS	FILLING TO DEPTHS GREATER THAN 300mm ON ALL LOTS SHALL BE ACHIEVED BY THE PLACEMENT OF ENGINEERED FILL TO 100mm BELOW THE FINISHED SURFACE LEVELS, FOLLOWED BY A 100mm LAYER OF TOPSOIL. ALL EXCAVATED OR DISTURBED AREAS, BATTERS ETC. SHALL BE FINISHED WITH 100mm OF TOPSOIL.					
	EXCESS MATERIAL	UNSUITABLE MATERIAL TO BE REMOVED AND DISPOSED OFF SITE. BALANCE EXCESS MATERIAL TO BE REMOVED FROM SITE OR TAKEN TO A SUITABLE LOCATION AT THE DISCRETION OF THE SUPERINTENDENT.					
	LOT FILLING	CONTRACTOR SHALL SUPPLY WRITTEN TEST RESULTS CONFIRMING COMPLIANCE WITH THE SPECIFICATIONS FOR EARTHWORKS. IN ADDITION, AT THE COMPLETION OF FILLING, ONE COMPACTION TEST IS REQUIRED FOR EACH LOT THAT HAS HAD FILLING PLACED ON IT. COPIES OF THE COMPACTION TESTS MUST BE PROVIDED TO THE SUPERINTENDENT.					
5. PAVEMENTS	APPROVED SUBGRADE	THE SUBGRADES OF ALL PAVEMENTS SHALL BE APPROVED BY THE ENGINEER PRIOR TO THE PLACEMENT OF ANY SUBSEQUENT PAVEMENT COURSE. PROOF ROLLING AND COMPACTION TESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATIONS AND COUNCIL REQUIREMENTS.					
	SUBGRADE IMPROVEMENT	SUBGRADE IMPROVEMENT SHALL BE CARRIED OUT IN ALL ROADS AS REQUIRED TO THE COUNCILS APPROVAL AND AT THE ENGINEERS DIRECTION. REFER TYPICAL DETAILS DRAWING No. V220425-CI-1150.					
	PAVEMENT TESTING	EACH ROAD PAVEMENT LAYER SHALL BE TESTED FOR COMPACTION AND SHALL MEET THE FOLLOWING COMPACTION STANDARDS:					
		<table border="1"> <tr> <td>ASPHALT LAYER</td> <td>100% MODIFIED DRY DENSITY</td> </tr> <tr> <td>BASE LAYER</td> <td>98% MODIFIED DRY DENSITY</td> </tr> <tr> <td>SUB-BASE LAYER</td> <td>98% MODIFIED DRY DENSITY</td> </tr> </table>	ASPHALT LAYER	100% MODIFIED DRY DENSITY	BASE LAYER	98% MODIFIED DRY DENSITY	SUB-BASE LAYER
ASPHALT LAYER	100% MODIFIED DRY DENSITY						
BASE LAYER	98% MODIFIED DRY DENSITY						
SUB-BASE LAYER	98% MODIFIED DRY DENSITY						
		WYNDHAM CITY COUNCIL TO BE NOTIFIED AT THE COMPLETION OF ANY PAVEMENT LAYERS, AND HOLD POINT PLACED ON THE COMMENCEMENT OF ANY SUBSEQUENT PAVEMENT LAYERS UNTIL WYNDHAM CITY COUNCIL CONFIRMS ACCEPTANCE TO PROCEED.					

6. SERVICES	EXISTING SERVICES	EXISTING SERVICES ARE SHOWN ON THE PLANS. CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO PROVE ALL EXISTING SERVICES PRIOR TO COMMENCING WORKS. THE LOCATION OF EXISTING SERVICES HAS BEEN OBTAINED FROM THE AVAILABLE AUTHORITY RECORDS. NO GUARANTEE IS GIVEN AS TO THE ADEQUACY OF THE SERVICES INFORMATION. SPECIAL NOTIFICATION SHALL BE GIVEN TO THE RELEVANT AUTHORITIES PRIOR TO THE COMMENCEMENT OF WORKS IN PROXIMITY TO TRANSMISSION ELECTRICITY LINES, TRANSMISSION GAS PIPES AND LARGE WATER MAINS.																
	RELOCATION OF SERVICES	THE CONTRACTOR SHALL ALLOW FOR THE RELOCATION OF SERVICES WITHIN THEIR WORKS PROGRAMME AND SHALL LIAISE WITH THE RELEVANT SERVICES AUTHORITIES AS NECESSARY TO ENSURE THAT THE RELOCATION WORKS ARE PROGRAMMED TO SUIT.																
	PROPOSED SERVICES	THE ALIGNMENTS AND OFFSETS OF PROPOSED SERVICES ARE SHOWN ON DRAWING V220425-CI-1100. FOR DETAILS OF PROPOSED SEWER AND WATER RETICULATION REFER TO STANTEC DRAWINGS AND AUTHORITY DRAWINGS. FOR DETAILS OF PROPOSED ELECTRICAL RETICULATION REFER TO POWERCOR APPROVED DRAWINGS. FOR DETAILS OF OPTIC FIBRE SERVICES REFER TO NBN APPROVED DRAWINGS. FOR DETAILS OF GAS RETICULATION REFER TO AUSNET APPROVED DRAWINGS. SERVICE TRENCHES LOCATED UNDER PROPOSED PAVEMENTS INCLUDING VEHICLE CROSSINGS AND FOOTPATHS SHALL BE BACKFILLED WITH COMPACTED CLASS 2 FCR. TRENCHES ENCRORACHING UNDER ROAD PAVEMENT SHALL BE BACKFILLED WITH APPROVED GRANULAR MATERIAL TO THE SPECIFIED COMPOSITION AND COMPACTION OF THE ROAD PAVEMENT.																
	SERVICE CONDUITS	SERVICE CONDUITS SHALL BE INSTALLED AT THE LOCATIONS SHOWN ON RELEVANT DRAWINGS AT A MINIMUM COVER OF 600mm BELOW ROAD PAVEMENT LEVEL. SHARED WATER SERVICES CONDUITS SHALL BE 100mm DIAMETER CLASS 12 UPVC AND GAS CONDUITS 50mm CLASS 12. UNLESS SHOWN OTHERWISE, ELECTRICAL AND OPTIC FIBRE CONDUITS SHALL BE AS PER AUTHORITY DRAWINGS. GAS AND WATER CONDUITS SHALL EXTEND BENEATH THE FOOTPATH TO THE PROPERTY LINE. THE LOCATION OF ALL SERVICE CONDUITS SHALL BE MARKED CLEARLY ON THE KERB. AT LOCATIONS WHERE CONDUITS ARE NOT AT RIGHT ANGLES TO THE KERB, THEIR LOCATION SHALL BE MARKED ON BOTH SIDES OF THE ROAD.																
	SERVICE AUTHORITY CONTACT TABLE	<table border="1"> <thead> <tr> <th colspan="2">SERVICE CONTACTS</th> </tr> <tr> <th>SERVICE AUTHORITY</th> <th>PHONE</th> </tr> </thead> <tbody> <tr> <td>AUSNET</td> <td>1800 088 208</td> </tr> <tr> <td>GREATER WESTERN WATER</td> <td>13 44 99</td> </tr> <tr> <td>NBN Co VICTAS</td> <td>1800 687 626</td> </tr> <tr> <td>POWERCOR - SUNSHINE</td> <td>13 22 06</td> </tr> <tr> <td>TELSTRA VICTAS</td> <td>1800 653 935</td> </tr> <tr> <td>WYNDHAM CITY COUNCIL</td> <td>1300 023 411</td> </tr> </tbody> </table>	SERVICE CONTACTS		SERVICE AUTHORITY	PHONE	AUSNET	1800 088 208	GREATER WESTERN WATER	13 44 99	NBN Co VICTAS	1800 687 626	POWERCOR - SUNSHINE	13 22 06	TELSTRA VICTAS	1800 653 935	WYNDHAM CITY COUNCIL	1300 023 411
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7. DRAINAGE	GENERAL	ALL PIPES TO BE REINFORCED CONCRETE CLASS 2. PIPES UP TO 7500 SHALL BE RUBBER RING JOINTED. PIPES ABOVE THIS SIZE SHALL BE FLUSH JOINTED WITH EXTERNAL SEALING BANDS. DEVIATION AT THE JOINTS USED IN SUCH PIPES SHALL NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS. PIPES UNDER PAVEMENTS AND DIRECTLY BEHIND KERBS SHALL BE BACKFILLED WITH CLASS 2 FCR AS DETAILED. WHERE ANY TRENCH ENCRORACHES UNDER ROADWAYS, APPROVED FINE CRUSHED ROCK BACKFILL IS TO BE PROVIDED UNDER PAVEMENT AND IS TO BE COMPACTED TO THE SPECIFIED COMPACTION OF THE PAVEMENT.																
	AG DRAIN	100mm DIAMETER CLASS 400 PERFORATED PVC SUBSURFACE DRAINS SHALL BE INSTALLED BEHIND KERBS AND ELSEWHERE AS DETAILED ON EDM. SUBSURFACE DRAINS SHALL OUTLET TO PITS AND UNDERGROUND DRAINAGE AS NECESSARY. AG DRAINS TO HAVE APPROVED BACKFILL. FLUSHOUT RISERS SHALL BE PROVIDED AT THE COMMENCEMENT OF EACH RUN OF DRAIN, AT INTERVALS OF BETWEEN 100m AND 150m ALONG THE DRAINAGE RUN TO BE LOCATED AT REAR OF KERB. REFER TO VPA ENGINEERING MANUAL STANDARD DRAWINGS.																
	LOT DRAINS	AS PER VPA ENGINEERING MANUAL, SECTION 13.21 ALL LOTS SHALL BE PROVIDED WITH HOUSE DRAINS OR PROPERTY INLETS AS DETAILED. THE CONNECTION (LEGAL POINT OF DISCHARGE) POINTS ARE TO BE PROVIDED AT 5.5m FROM THE LOWEST CORNER OF EACH PROPERTY UNLESS NOTED OTHERWISE. PROPERTY INLETS ARE TO BE PROVIDED 1.0m FROM THE LOWEST CORNER OF THE BOUNDARY OR EASEMENT UNLESS NOTED OTHERWISE. REFER VPA ENGINEERING MANUAL, EDM 701, 702, 703 AND 704.																
	SUPERVISION	GENERAL	ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATIONS AND TO THE SATISFACTION OF THE ENGINEER AND ALL OTHER RELEVANT PARTIES. THE ENGINEER WILL CARRY OUT REGULAR SITE INSPECTIONS. ADDITIONAL INSPECTIONS CAN BE REQUESTED AT 24 HOURS NOTICE. ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT VPA ENGINEERING MANUAL TECHNICAL SPECIFICATION, STANDARD DRAWINGS, APPROVED PROJECT SPECIFICATION AND TO THE SATISFACTION OF THE MANAGER, TECHNICAL SERVICES OR HIS/HER APPROVED REPRESENTATIVE.															
	COUNCIL SUPERVISION	ALL WORKS WILL BE SUPERVISED SEPARATELY BY THE CITY OF WYNDHAM'S CONSTRUCTION ENGINEER AND SHALL BE CARRIED OUT TO COUNCIL'S STANDARDS AND SATISFACTION. THE CONTRACTOR SHALL NOTIFY WYNDHAM CITY COUNCIL 7 DAYS PRIOR TO COMMENCEMENT OF WORKS. WORKS MAY NOT COMMENCE WITHOUT COUNCIL APPROVAL. ALL WORKS ARE TO BE COMPLETED PRIOR TO THE COMMENCEMENT OF THE MAINTENANCE PERIOD.																
8. MISCELLANEOUS	CONCRETE WORKS	RESIDENTIAL FOOTPATHS TO BE 125mm DEPTH REINFORCED (SL72) CONCRETE ON 50mm FCR BEDDING. INDUSTRIAL/COMMERCIAL FOOTPATHS TO BE 150mm DEPTH REINFORCED (SL72) CONCRETE ON 50mm FCR BEDDING. THE BACK OF FOOTPATH IS TO BE OFFSET 50mm FROM THE ABUTTING TITLE BOUNDARY. VEHICLE CROSSINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH VPA ENGINEERING MANUAL, EDM 501, 502 AND 503. UNLESS NOTED OTHERWISE, TYPICALLY AT AN OFFSET OF 0.75m FROM THE SIDE BOUNDARY OF PROPERTIES UNLESS NOTED OTHERWISE.																
	LANDSCAPE WORKS	FOR DETAILS OF LANDSCAPE WORKS REFER TO DRAWINGS PREPARED BY LBA DESIGN PTY LTD.																
	STREET SIGNS	LOCATIONS OF STREET SIGNS SHOWN ARE NOMINAL ONLY AND SHALL BE CONFIRMED PRIOR TO INSTALLATION. SIGN AND POLE DETAILS ARE TO BE IN ACCORDANCE WITH THE VPA ENGINEERING MANUAL, SECTION 16.11.																
	AS CONSTRUCTED SURVEY	UPON COMPLETION OF THE CIVIL WORKS, THE CONTRACTOR SHALL PROVIDE AS CONSTRUCTED PLANS TO VPA ENGINEERING MANUAL, SECTION 9.30 REQUIREMENTS INCLUDING D SPEC DIGITAL FORMAT AND AS NOTED ON THE PLANNING PERMIT.																
	LINEMARKING	TEMPORARY LINEMARKING (NORMAL PAINT) IS TO BE CARRIED OUT PRIOR TO THE START OF THE MAINTENANCE PERIOD. TEMPORARY LINEMARKING TO BE INSTALLED AND MAINTAINED UNTIL PERMANENT LINEMARKING IS INSTALLED ON THE WEARING COURSE ASPHALT. RRPMS ARE TO BE INSTALLED ONCE THE BASE COURSE ASPHALT IS PLACED AND MAINTAINED UNTIL PERMANENT RRPMS ARE INSTALLED ON THE WEARING COURSE ASPHALT. PERMANENT LINEMARKING (LONG LIFE PAINT) AND RRPMS (AT NOMINATED SPACINGS) ARE TO BE INSTALLED FOLLOWING THE INSTALLATION OF THE WEARING COURSE. THE INSTALLATION OF ALL LINEMARKING AND RRPMS IS TO BE IN ACCORDANCE WITH THE RELEVANT SPECIFICATIONS. ALL LINE MARKING, ADVISORY SIGNS AND FIRE HYDRANT MARKERS ARE TO BE INSTALLED PRIOR TO THE WORKS BEING OPEN FOR PUBLIC USE.																
	NO ROAD SIGNAGE	'NO ROAD' SIGNS AT THE EXTENTS OF ROADWORKS ARE TO BE INSTALLED ON A POST AND RAIL BARRIER EXTENDING BETWEEN KERBS OF KERBS. A CONCRETE EDGE STRIP SHALL BE CONSTRUCTED BETWEEN THE KERBS WITH A TEMPORARY AGRICULTURAL DRAIN BEHIND IT.																
	SPECIFICATIONS	ALL WORKS MUST BE CARRIED OUT IN ACCORDANCE WITH VPA ENGINEERING MANUAL, CURRENT STANDARD DRAWINGS AND SPECIFICATIONS AND AS4000 CONDITIONS OF CONTRACT.																



**LOCALITY PLAN**  
NOT TO SCALE

SCHEDULE OF DRAWINGS	
DRAWING No.	DESCRIPTION
V220425-CI-1000	GENERAL NOTES, LOCALITY PLAN AND SCHEDULE OF DRAWINGS
V220425-CI-1050	LAYOUT PLAN
V220425-CI-1100	SERVICES PLAN
V220425-CI-1150	TYPICAL DETAILS
V220425-CI-1200	SIMCOE WAY LONGITUDINAL AND CROSS SECTIONS
V220425-CI-1250	STREAM ROAD LONGITUDINAL AND CROSS SECTIONS
V220425-CI-1300	ATISHA STREET LONGITUDINAL AND CROSS SECTIONS
V220425-CI-1350	INTERSECTION DETAILS
V220425-CI-1400	DRAINAGE LONGITUDINAL SECTIONS AND PIT SCHEDULE
V220425-CI-1450	SIGNAGE AND LINEMARKING PLAN
V220425-CI-1500	ENVIRONMENTAL MANAGEMENT PLAN

**WARNING**  
 EXTERNAL APPROVAL  
 THIS DRAWING IS SUBJECT TO THE APPROVAL OF  
**WYNDHAM CITY COUNCIL**  
 AND IS A PRELIMINARY ISSUE

COUNCIL REFERENCE  
 WYP9651/16

Rev.	Date	Description	Des.	Verif.	Appd.
A	14/11/2023	ISSUED FOR CONSTRUCTION	B.Z.	N.G.	N.G.

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 Tel: 03 8415 7777  
 Web: www.stantec.com/au

Drawn	N. WHITE	Date	14.09.2023
Checked		Date	
Designed	B. ZHENG	Date	14.09.2023
Verified	N. GLASSON	Date	14.09.2023
Approved		Date	
	N. GLASSON	Date	14.09.2023

Client	PARKLANE GARDENS DEVELOPMENT PTY LTD
Project	PARKLANE GARDENS - STAGE 8 504-530 BALLAN ROAD, WYNDHAM VALE WYNDHAM CITY COUNCIL
Title	CIVIL SITEWORKS GENERAL NOTES, LOCALITY PLAN AND SCHEDULE OF DRAWINGS

Status	<b>FOR CONSTRUCTION</b>						
Datum	A.H.D.	Melway Ref	233 J12	Scale	N.T.S.	Size	A1
Drawing Number	V220425-CI-1000			Revision	A		

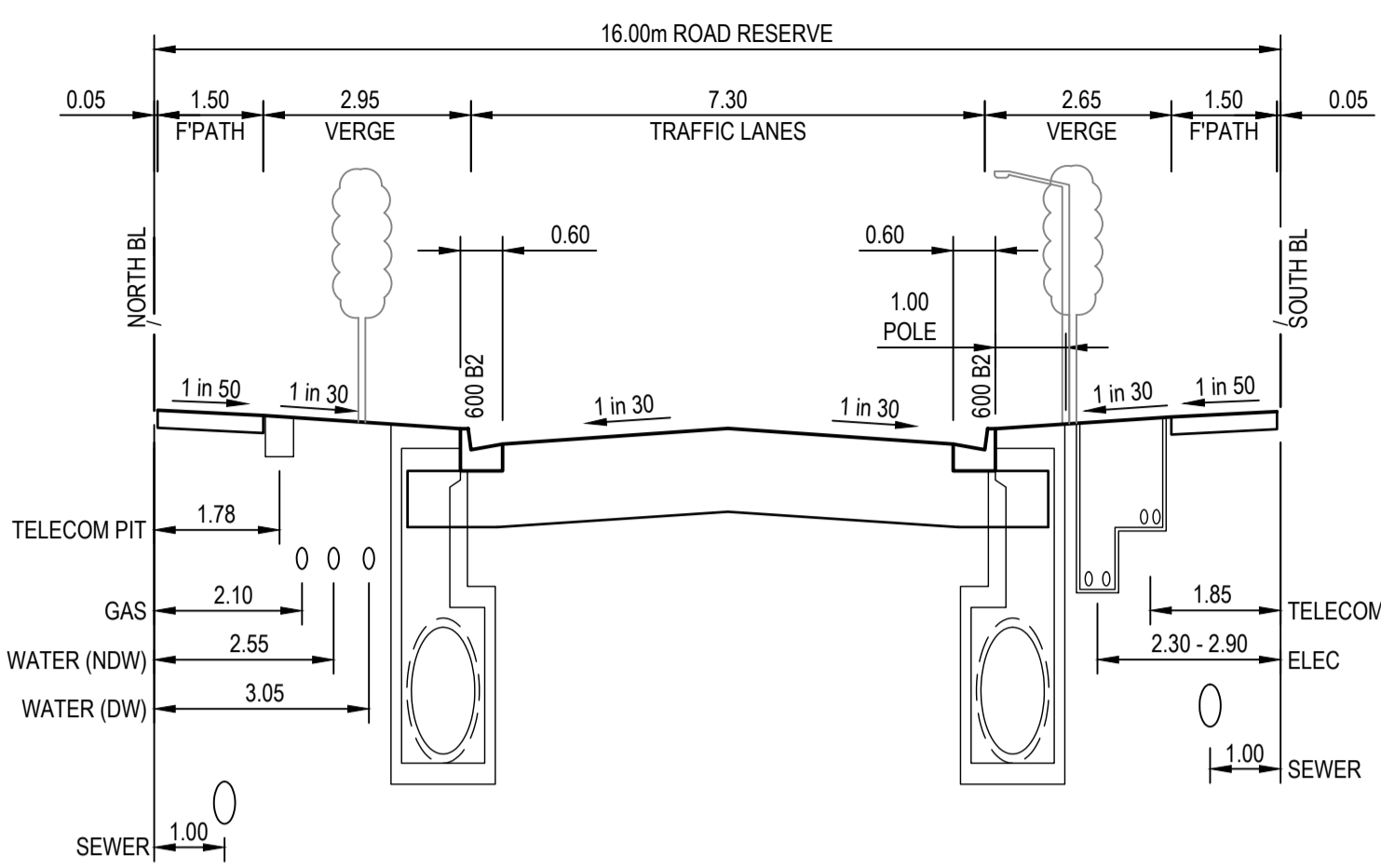




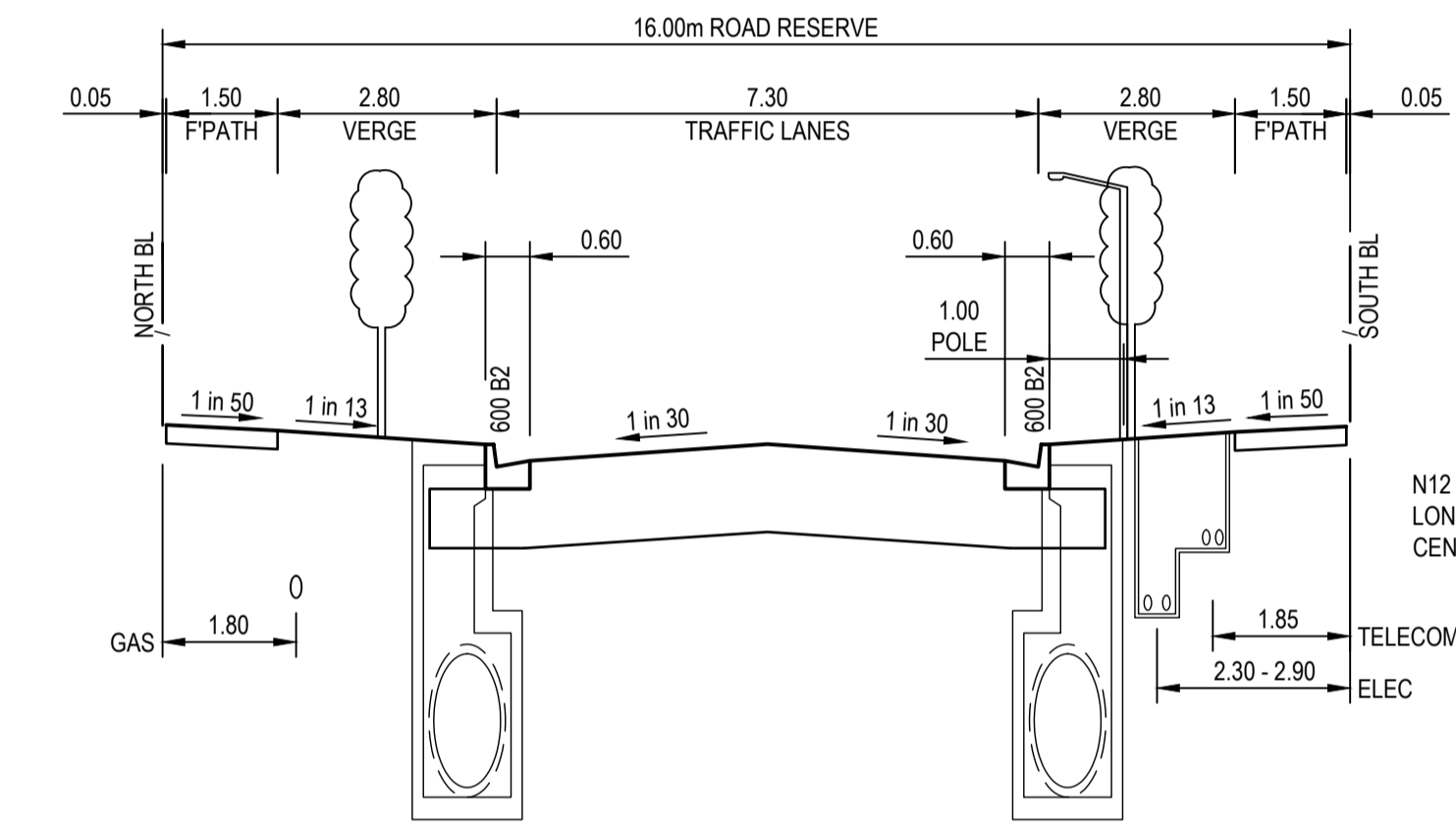




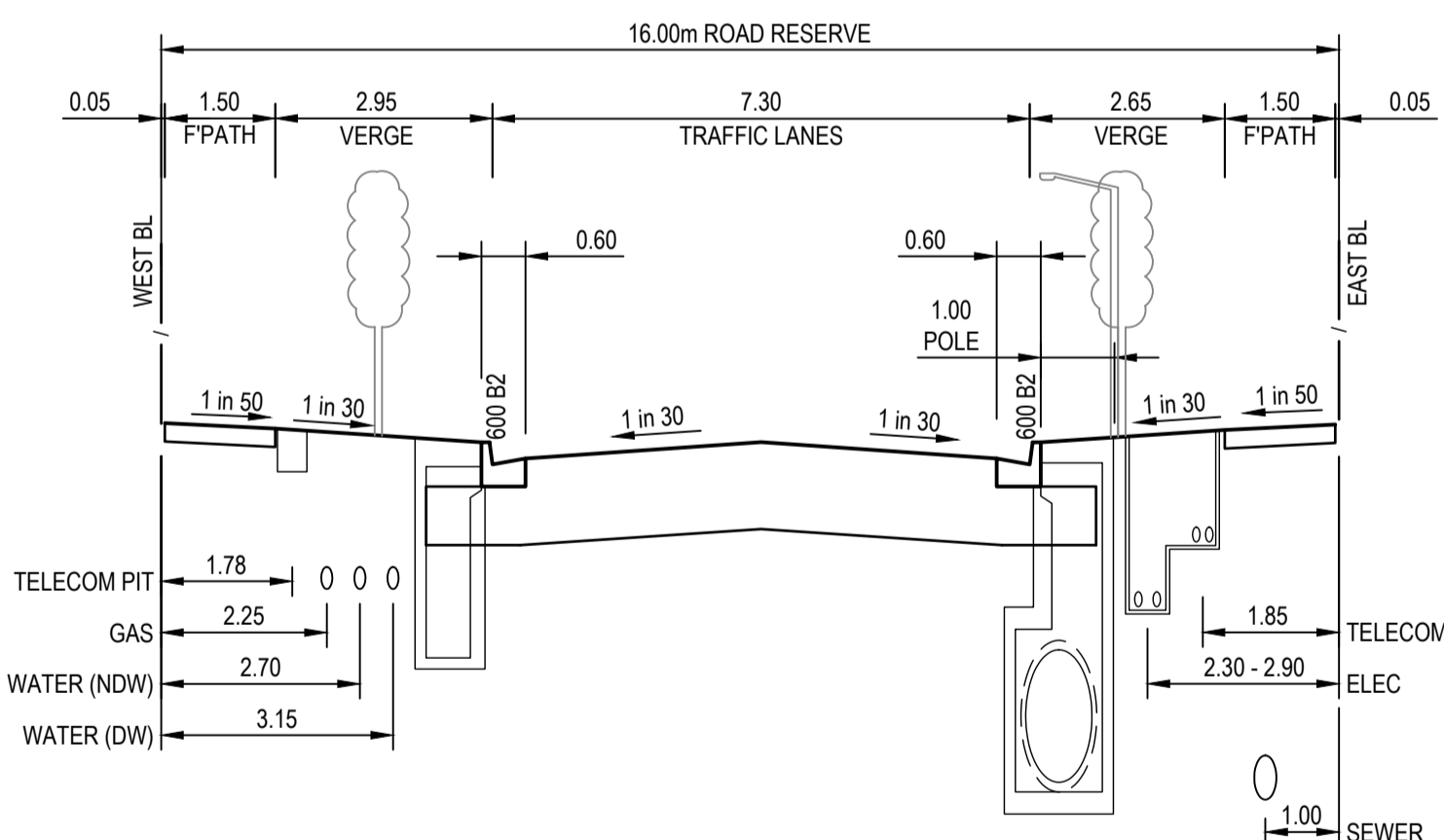




ATISHA STREET  
16.00m ROAD RESERVE

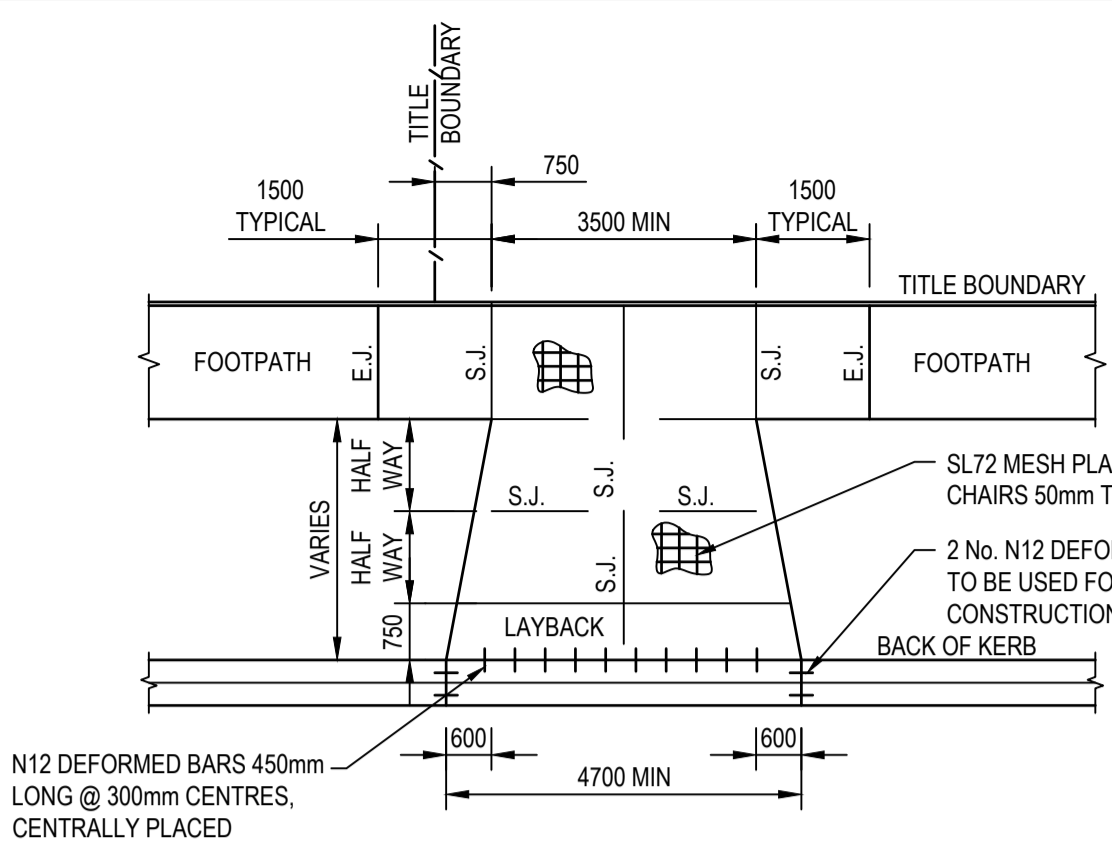


SIMCOE WAY  
16.00m ROAD RESERVE



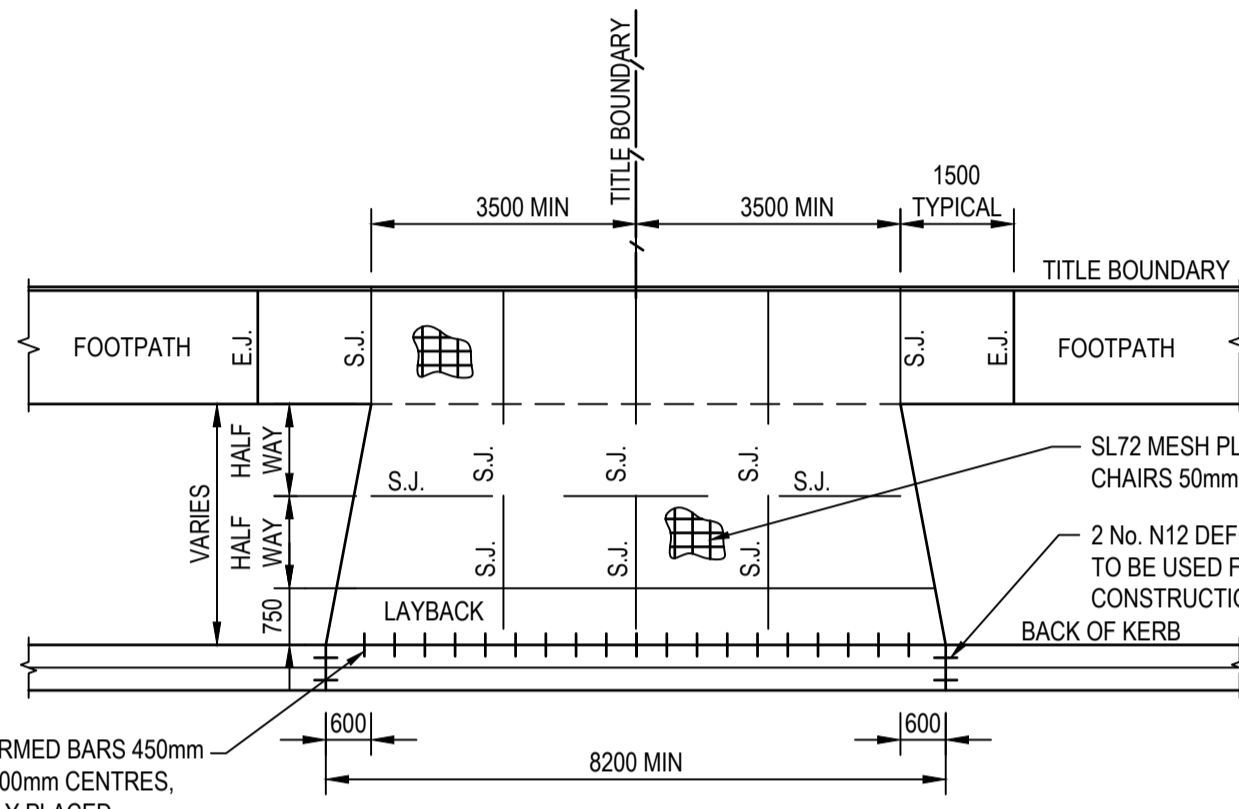
STREAM ROAD  
16.00m ROAD RESERVE

TYPICAL ROAD CROSS SECTIONS  
NOT TO SCALE



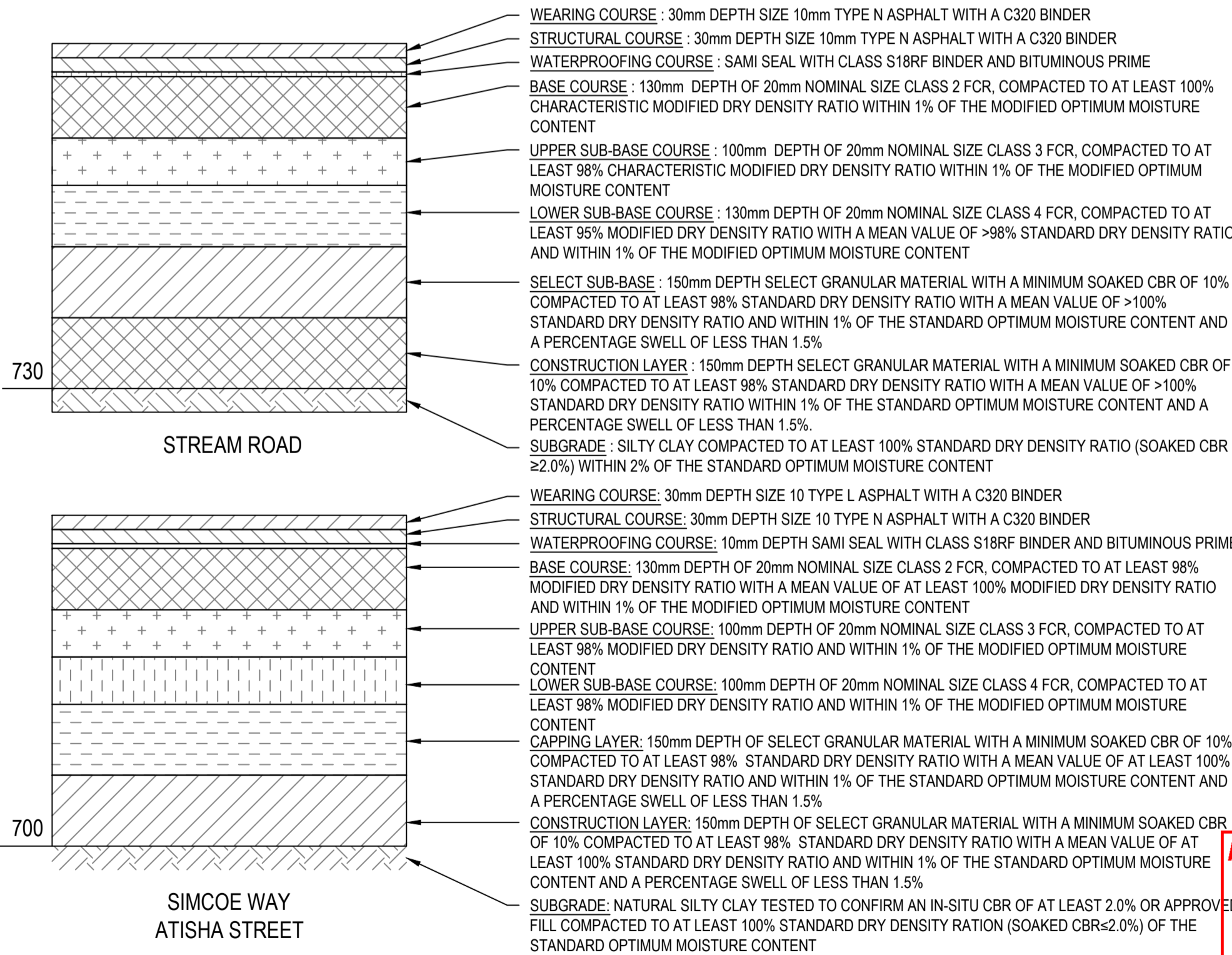
SINGLE RESIDENTIAL VEHICLE CROSSING  
NOT TO SCALE

REFER WYNDHAM CITY COUNCIL STANDARD DRAWING No. SD4-1



DOUBLE RESIDENTIAL VEHICLE CROSSING  
NOT TO SCALE

REFER WYNDHAM CITY COUNCIL STANDARD DRAWING No. SD4-3



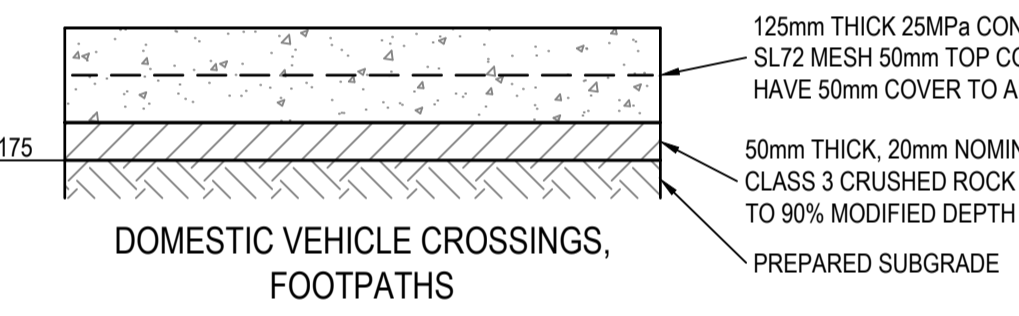
FLEXIBLE PAVEMENT COMPOSITIONS  
NOT TO SCALE

WEARING COURSE : 30mm DEPTH SIZE 10mm TYPE N ASPHALT WITH A C320 BINDER  
 STRUCTURAL COURSE : 30mm DEPTH SIZE 10mm TYPE N ASPHALT WITH A C320 BINDER  
 WATERPROOFING COURSE : SAMI SEAL WITH CLASS S18RF BINDER AND BITUMINOUS PRIME  
 BASE COURSE : 130mm DEPTH OF 20mm NOMINAL SIZE CLASS 2 FCR, COMPACTED TO AT LEAST 100% CHARACTERISTIC MODIFIED DRY DENSITY RATIO WITHIN 1% OF THE MODIFIED OPTIMUM MOISTURE CONTENT  
 UPPER SUB-BASE COURSE : 100mm DEPTH OF 20mm NOMINAL SIZE CLASS 3 FCR, COMPACTED TO AT LEAST 98% CHARACTERISTIC MODIFIED DRY DENSITY RATIO WITHIN 1% OF THE MODIFIED OPTIMUM MOISTURE CONTENT  
 LOWER SUB-BASE COURSE : 130mm DEPTH OF 20mm NOMINAL SIZE CLASS 4 FCR, COMPACTED TO AT LEAST 95% MODIFIED DRY DENSITY RATIO WITH A MEAN VALUE OF >98% STANDARD DRY DENSITY RATIO AND WITHIN 1% OF THE MODIFIED OPTIMUM MOISTURE CONTENT  
 SELECT SUB-BASE : 150mm DEPTH SELECT GRANULAR MATERIAL WITH A MINIMUM SOAKED CBR OF 10% COMPACTED TO AT LEAST 98% STANDARD DRY DENSITY RATIO WITH A MEAN VALUE OF >100% STANDARD DRY DENSITY RATIO AND WITHIN 1% OF THE STANDARD OPTIMUM MOISTURE CONTENT AND A PERCENTAGE SWELL OF LESS THAN 1.5%  
 CONSTRUCTION LAYER : 150mm DEPTH SELECT GRANULAR MATERIAL WITH A MINIMUM SOAKED CBR OF 10% COMPACTED TO AT LEAST 98% STANDARD DRY DENSITY RATIO WITH A MEAN VALUE OF >100% STANDARD DRY DENSITY RATIO WITHIN 1% OF THE STANDARD OPTIMUM MOISTURE CONTENT AND A PERCENTAGE SWELL OF LESS THAN 1.5%  
 SUBGRADE : SILTY CLAY COMPACTED TO AT LEAST 100% STANDARD DRY DENSITY RATIO (SOAKED CBR ≥ 2.0%) WITHIN 2% OF THE STANDARD OPTIMUM MOISTURE CONTENT  
 WEARING COURSE : 30mm DEPTH SIZE 10 TYPE L ASPHALT WITH A C320 BINDER  
 STRUCTURAL COURSE : 30mm DEPTH SIZE 10 TYPE N ASPHALT WITH A C320 BINDER  
 WATERPROOFING COURSE : 10mm DEPTH SAMI SEAL WITH CLASS S18RF BINDER AND BITUMINOUS PRIME  
 BASE COURSE : 130mm DEPTH OF 20mm NOMINAL SIZE CLASS 2 FCR, COMPACTED TO AT LEAST 98% MODIFIED DRY DENSITY RATIO WITH A MEAN VALUE OF AT LEAST 100% MODIFIED DRY DENSITY RATIO AND WITHIN 1% OF THE MODIFIED OPTIMUM MOISTURE CONTENT  
 UPPER SUB-BASE COURSE : 100mm DEPTH OF 20mm NOMINAL SIZE CLASS 3 FCR, COMPACTED TO AT LEAST 98% MODIFIED DRY DENSITY RATIO AND WITHIN 1% OF THE MODIFIED OPTIMUM MOISTURE CONTENT  
 LOWER SUB-BASE COURSE : 100mm DEPTH OF 20mm NOMINAL SIZE CLASS 4 FCR, COMPACTED TO AT LEAST 98% MODIFIED DRY DENSITY RATIO AND WITHIN 1% OF THE MODIFIED OPTIMUM MOISTURE CONTENT  
 CAPPING LAYER : 150mm DEPTH OF SELECT GRANULAR MATERIAL WITH A MINIMUM SOAKED CBR OF 10% COMPACTED TO AT LEAST 98% STANDARD DRY DENSITY RATIO WITH A MEAN VALUE OF AT LEAST 100% STANDARD DRY DENSITY RATIO AND WITHIN 1% OF THE STANDARD OPTIMUM MOISTURE CONTENT AND A PERCENTAGE SWELL OF LESS THAN 1.5%  
 CONSTRUCTION LAYER : 150mm DEPTH OF SELECT GRANULAR MATERIAL WITH A MINIMUM SOAKED CBR OF 10% COMPACTED TO AT LEAST 98% STANDARD DRY DENSITY RATIO WITH A MEAN VALUE OF AT LEAST 100% STANDARD DRY DENSITY RATIO AND WITHIN 1% OF THE STANDARD OPTIMUM MOISTURE CONTENT AND A PERCENTAGE SWELL OF LESS THAN 1.5%  
 SUBGRADE : NATURAL SILTY CLAY TESTED TO CONFIRM AN IN-SITU CBR OF AT LEAST 2.0% OR APPROVED FILL COMPACTED TO AT LEAST 100% STANDARD DRY DENSITY RATION (SOAKED CBR≥2.0%) OF THE STANDARD OPTIMUM MOISTURE CONTENT

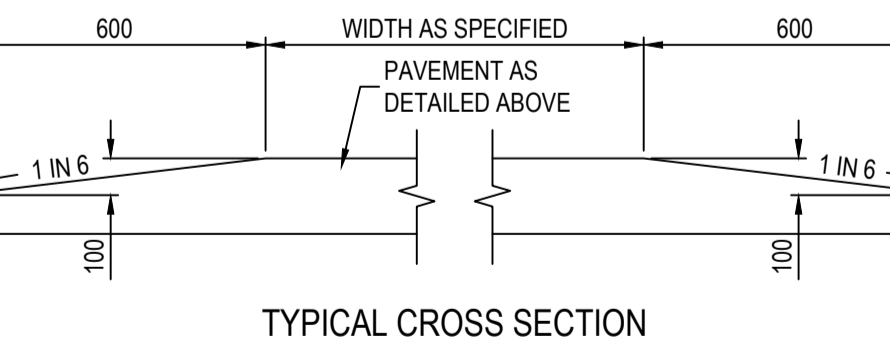
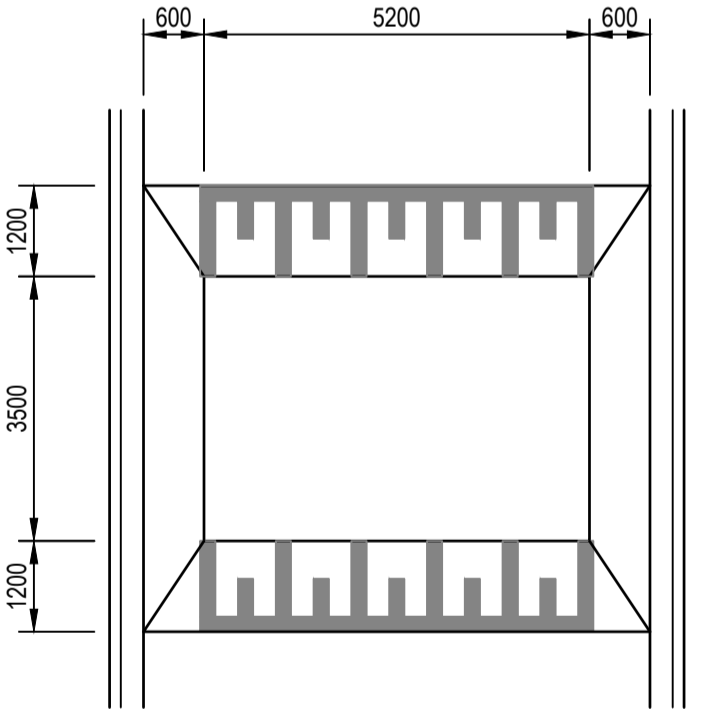
MID-BLOCK CROSSING  
NOT TO SCALE

NOTES:  
 1. NO BULLNOSE IN THE INVERT OF KERB SHALL BE ACCEPTED  
 2. FOR CONCRETE STRENGTH REFER VPA EDCM 401  
 3. ALL FINISHED SURFACES MUST COMPLY WITH AS 4586 - SLIP RESISTANCE CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS.  
 4. SPLAYS TO BE 600mm WITH KERB TRANSITION.  
 5. CONCRETE TO BE LIGHT BROOM FINISH, UNLESS OTHERWISE SPECIFIED, WITH EDGES AND JOINTS NEATLY TOOLED AFTER THE BROOM IS APPLIED.  
 6. TACTILE GROUND SURFACE INDICATORS (TGSIs) TO BE INSTALLED. TGSIs ARE TO COMPLY WITH AS1428.4.  
 7. CROSSING TO BE AT RIGHT ANGLES TO ROAD CARRIAGEWAY, ALIGNED WITH OPPOSITE PRAM CROSSING AND WITH A DIRECT PATH OF TRAVEL.

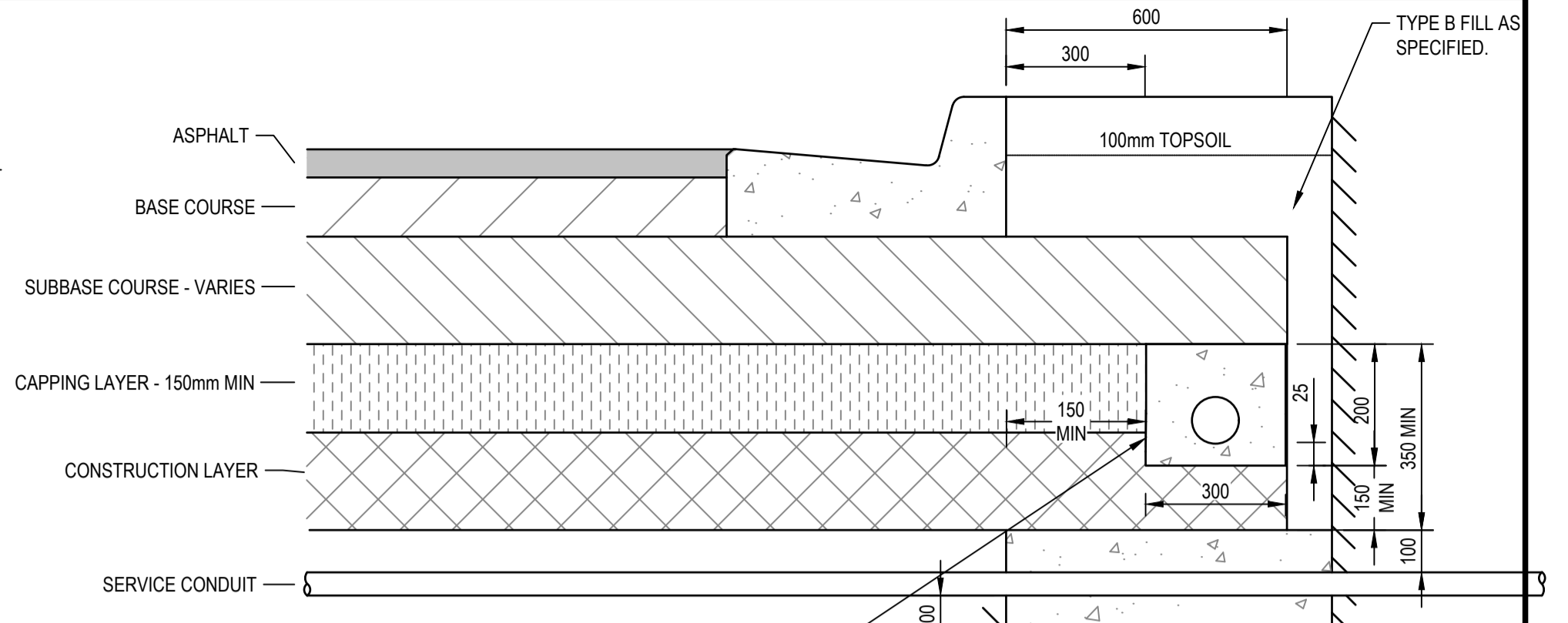
PRAM CROSSING DETAIL  
NOT TO SCALE



RIGID PAVEMENT COMPOSITIONS  
NOT TO SCALE



RAISED INTERSECTION TYPICAL DETAIL  
NOT TO SCALE

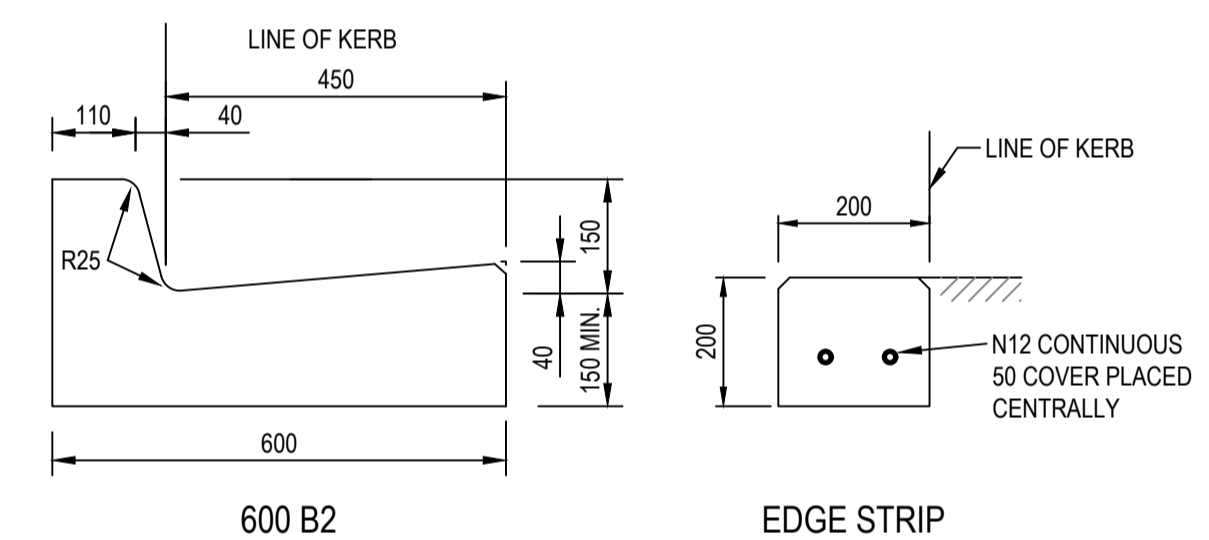


NOTES:

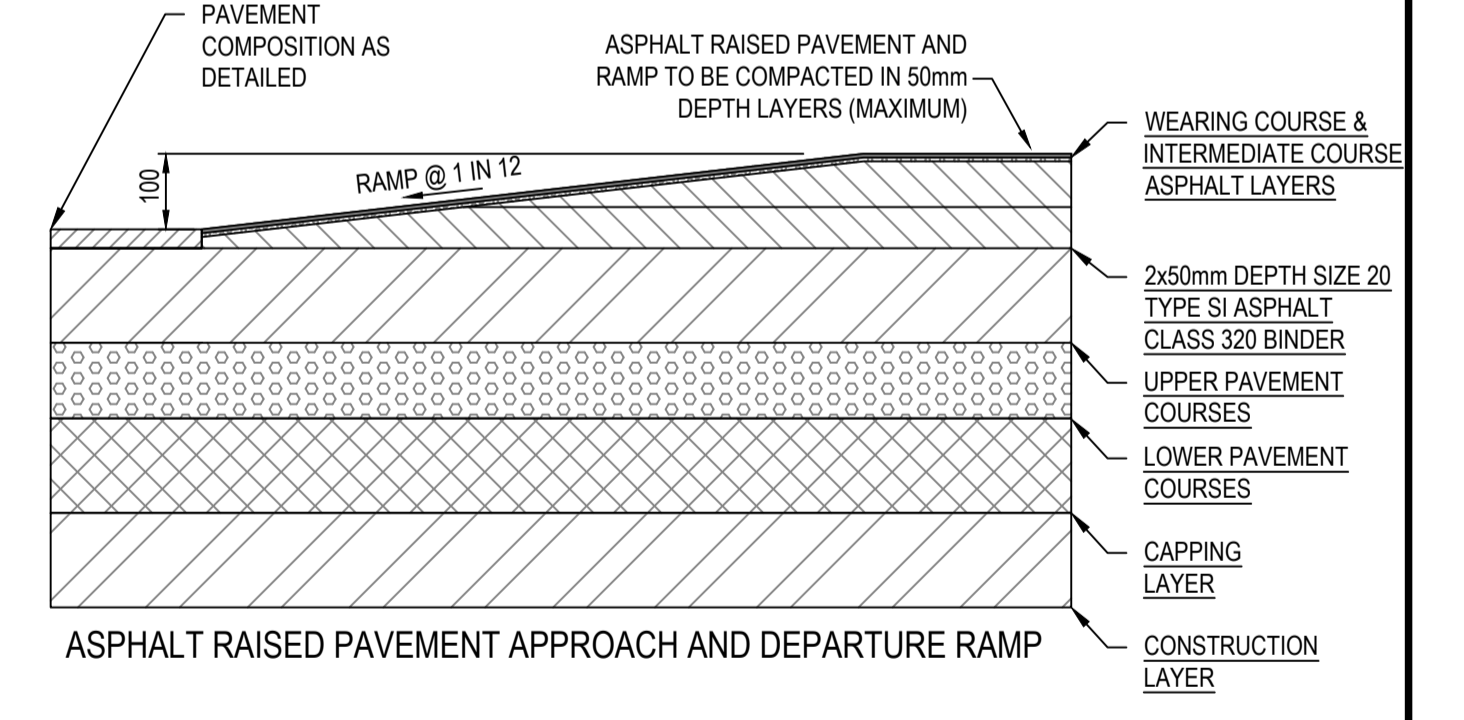
1. CONDUITS FOR GAS, WATER, SEWER AND TELECOM SERVICES TO BE LAID WITHIN THE SUBGRADE OR CONSTRUCTION LAYER WITH A MINIMUM 100mm COVER BELOW THE BOTTOM OF THE CAPPING LAYER. CONDUITS SHALL NOT BE PLACED WITHIN THE PAVEMENT NOR THE CAPPING LAYER.  
 2. SERVICE CONDUITS TO BE INSTALLED AFTER PLACEMENT OF THE CONSTRUCTION LAYER AT A GRADE OF 1 IN 100 FALLING TO THE SIDE OF THE PROPOSED UTILITY MAIN  
 3. SERVICE TRENCH BACKFILL TO BE 20mm CLASS 3 CR, RECYCLED CONCRETE OR COUNCIL APPROVED EQUIVALENT  
 4. FOR ELECTRICAL SERVICES, WHERE THE CONDUIT IS GREATER THAN 200mm BELOW THE CAPPING LAYER, THE MARKER TAPE MUST BE PLACED 150mm ABOVE THE CONDUIT OR PER THE ELECTRICAL AUTHORITY'S REQUIREMENTS  
 5. CONSTRUCTION LAYERS AND CAPPING LAYER MATERIAL MUST HAVE THE FOLLOWING SPECIFICATIONS:  
 - MIN. CBR=8%, - MAX. SWELL=1.5%, - MAX. PERMEABILITY=5x10<sup>-9</sup> m/s  
 6. ALL DIMENSIONS IN MILLIMETRES WHERE NOT SPECIFIED.

SUBSURFACE DRAIN IN EXPANSIVE SOILS  
NOT TO SCALE

(REFER VPA STD DWG EDCM 202)



KERB TYPES  
NOT TO SCALE



Planning and Environment Act 1987  
 Wyndham Planning Scheme  
 Approved Plan As Required  
 under Condition 44  
 Permit No WYP9651/16  
 Date 29/11/2023

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 Web: www.stantec.com/au

Drawn N. WHITE	Date 14.09.2023
Checked	Date
Designed B. ZHENG	Date 14.09.2023
Verified N. GLASSON	Date 14.09.2023
Approved	Date
N. GLASSON	14.09.2023

Client PARKLANE GARDENS DEVELOPMENT PTY LTD	Date 14.09.2023
Project PARKLANE GARDENS - STAGE 8 504-530 BALLAN ROAD, WYNDHAM VALE WYNDHAM CITY COUNCIL	Date 14.09.2023
Title CIVIL SITEWORKS TYPICAL DETAILS	Date 14.09.2023

Status <b>FOR CONSTRUCTION</b>			
Datum A.H.D.	Melway Ref 233 J12	Scale N.T.S.	Size A1
Drawing Number V220425-CI-1150	Revision A		

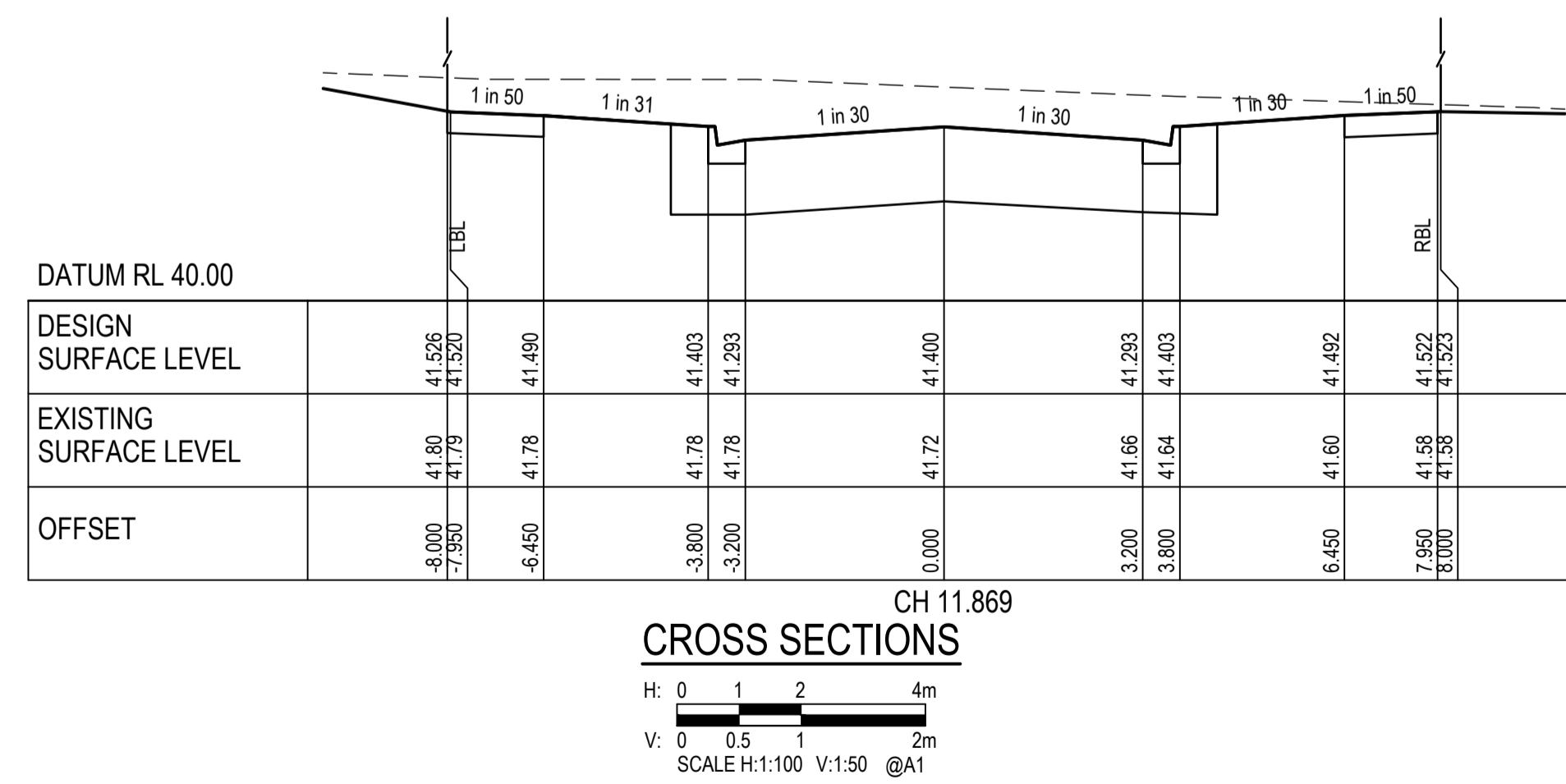
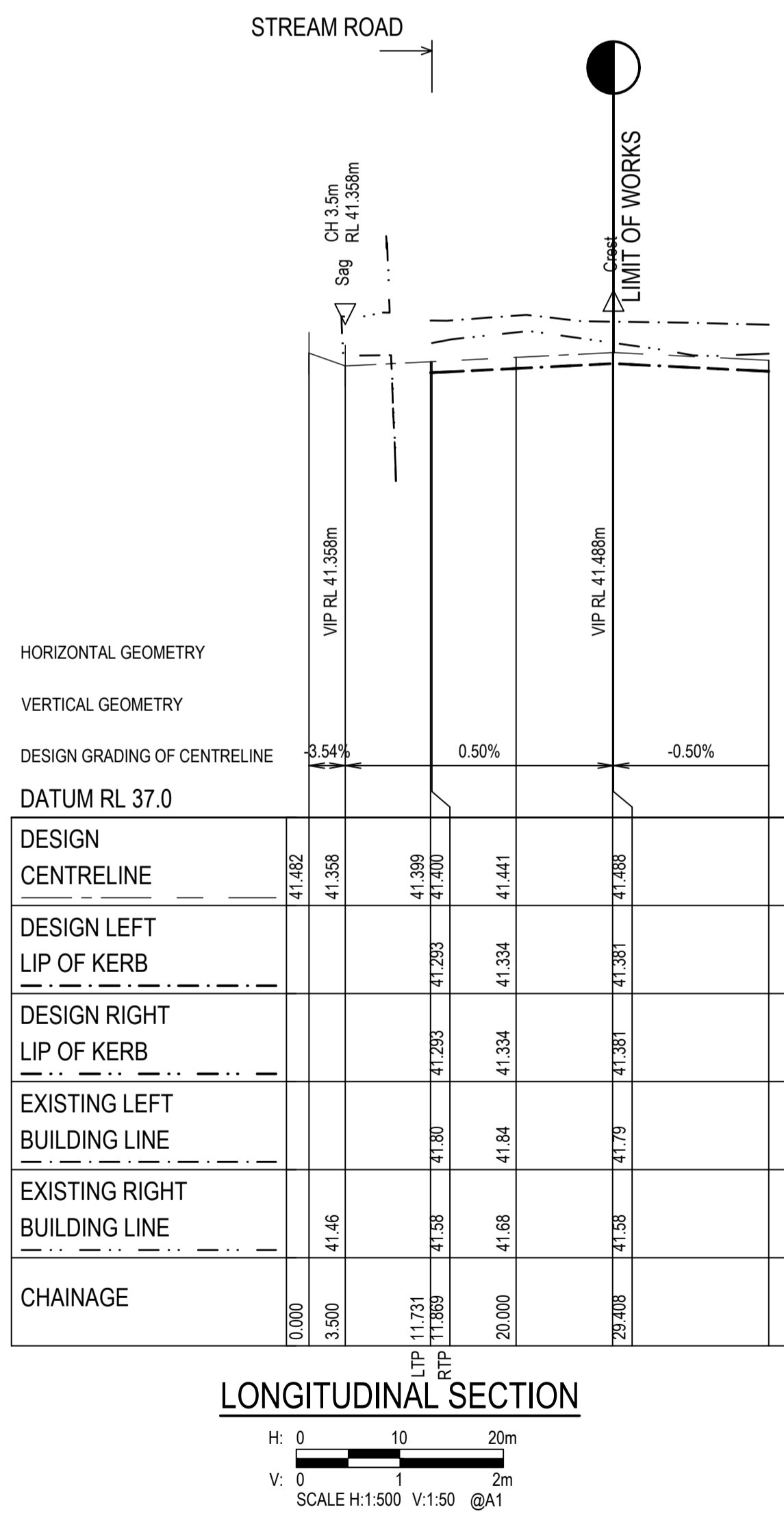


LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	ROAD BOXING
	BUILDING LINE
	LBL LEFT BUILDING LINE
	RBL RIGHT BUILDING LINE

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

**Planning and Environment Act 1987  
Wyndham Planning Scheme**

**Approved Plan As Required  
under Condition 44  
Permit No WYP9651/16  
Date 29/11/2023**



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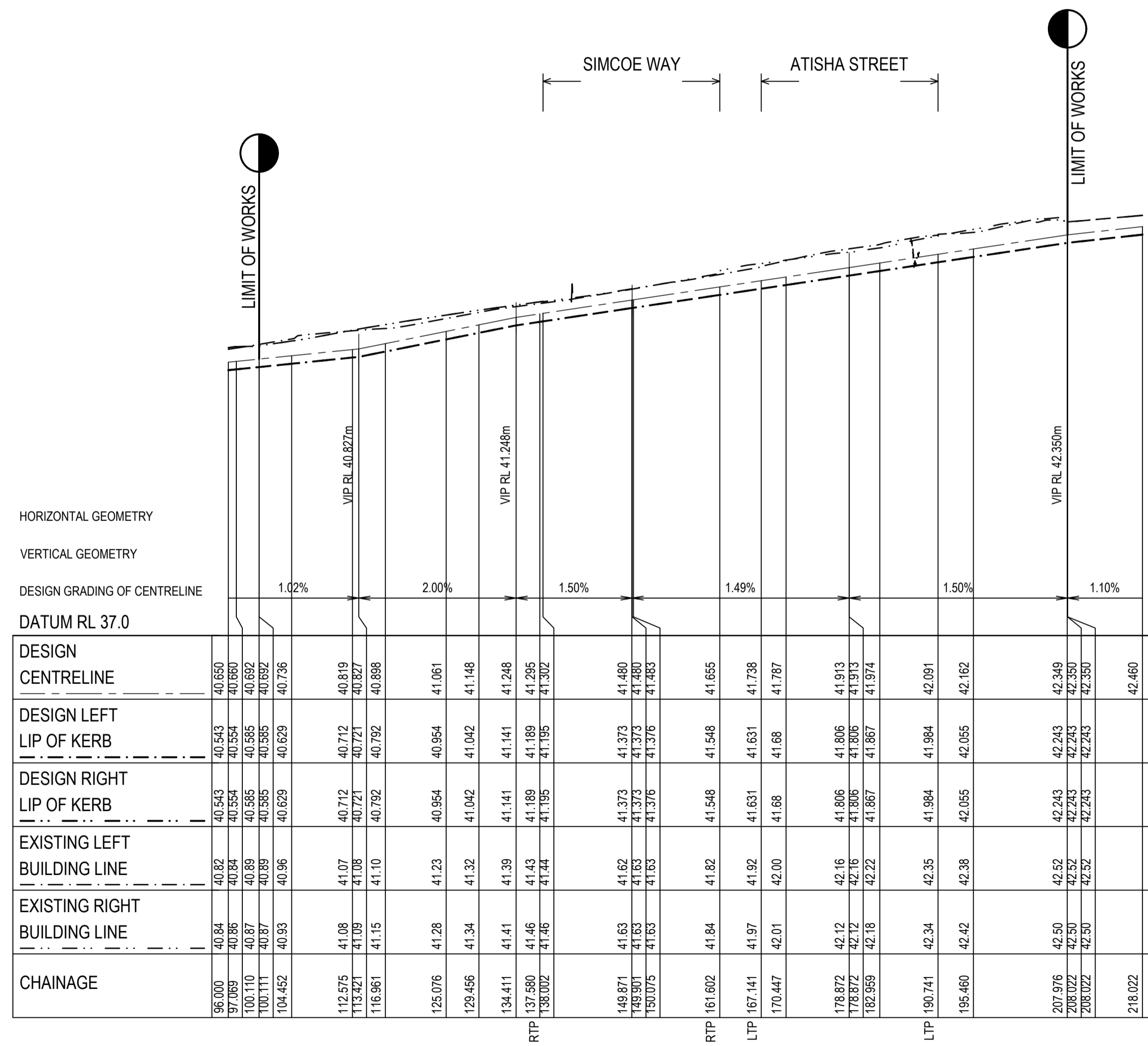
Drawn	N. WHITE	Date	14.09.2023
Checked		Date	
Designed	B. ZHENG	Date	14.09.2023
Verified	N. GLASSON	Date	14.09.2023
Approved		Date	
	N. GLASSON	Date	14.09.2023

Client	PARKLANE GARDENS DEVELOPMENT PTY LTD
Project	PARKLANE GARDENS - STAGE 8 504-530 BALLAN ROAD, WYNDHAM VALE WYNDHAM CITY COUNCIL
Title	CIVIL SITEWORKS SIMCOE WAY LONGITUDINAL AND CROSS SECTIONS

Status	<b>FOR CONSTRUCTION</b>						
Datum	A.H.D.	Melway Ref	233 J12	Scale	AS SHOWN	Size	A1
Drawing Number	V220425-CI-1200			Revision	A		

**Planning and Environment Act 1987**  
**Wyndham Planning Scheme**

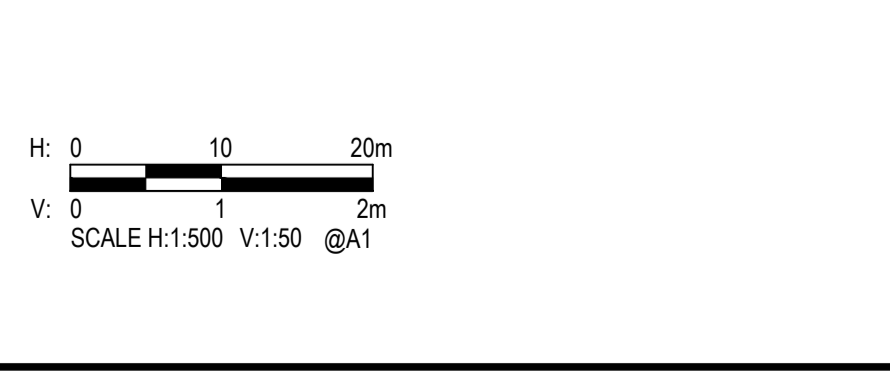
**Approved Plan As Required**  
**under Condition 44**  
**Permit No WYP9651/16**  
**Date 29/11/2023**



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Verified	N. GLASSON	Date	14.09.2023
Approved		Date	

Client	PARKLANE GARDENS DEVELOPMENT PTY LTD
Project	PARKLANE GARDENS - STAGE 8 504-530 BALLAN ROAD, WYNDHAM VALE WYNDHAM CITY COUNCIL
Title	CIVIL SITEWORKS STREAM ROAD LONGITUDINAL SECTION

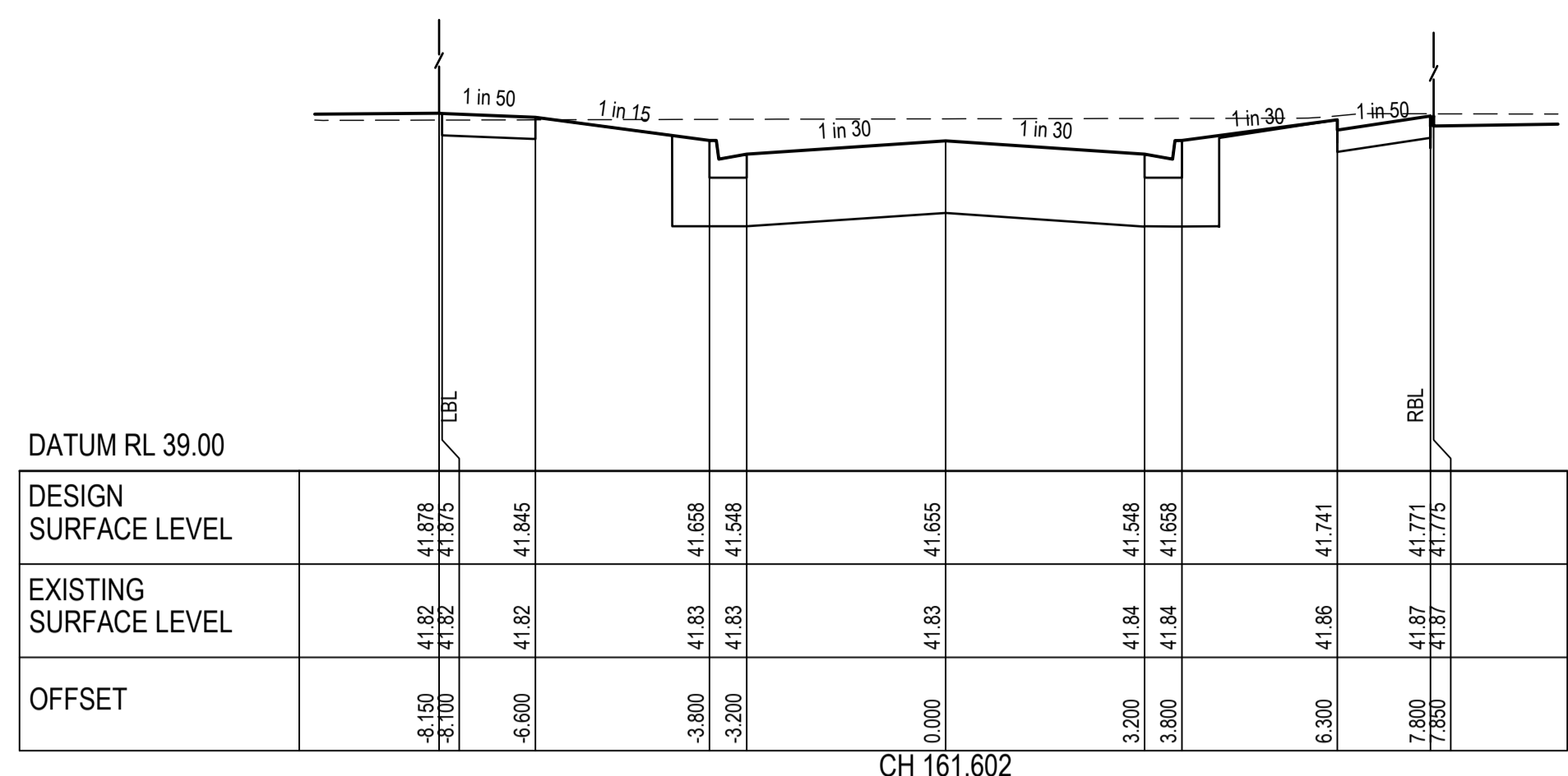
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Datum	A.H.D.	Melway Ref	Scale	Size
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Drawing Number	V220425-CI-1250			Revision
				A



**LEGEND**

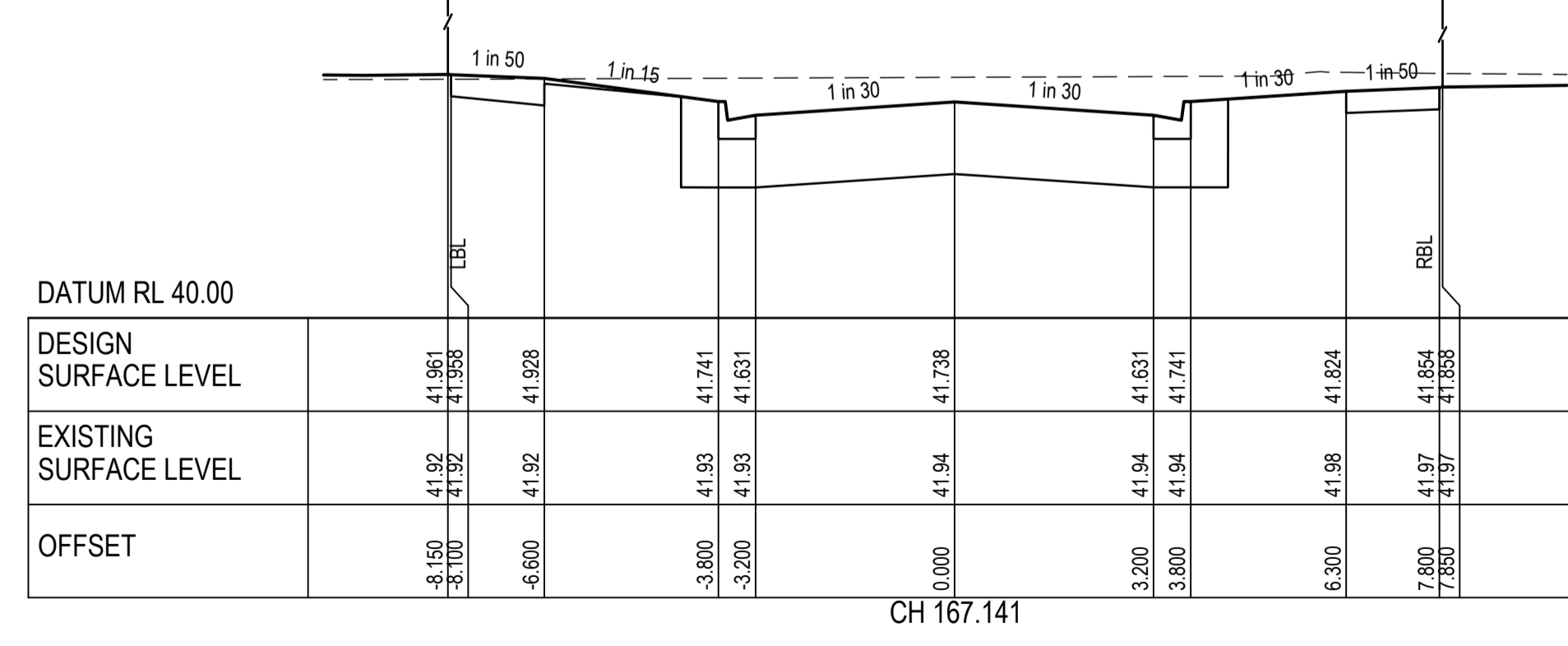
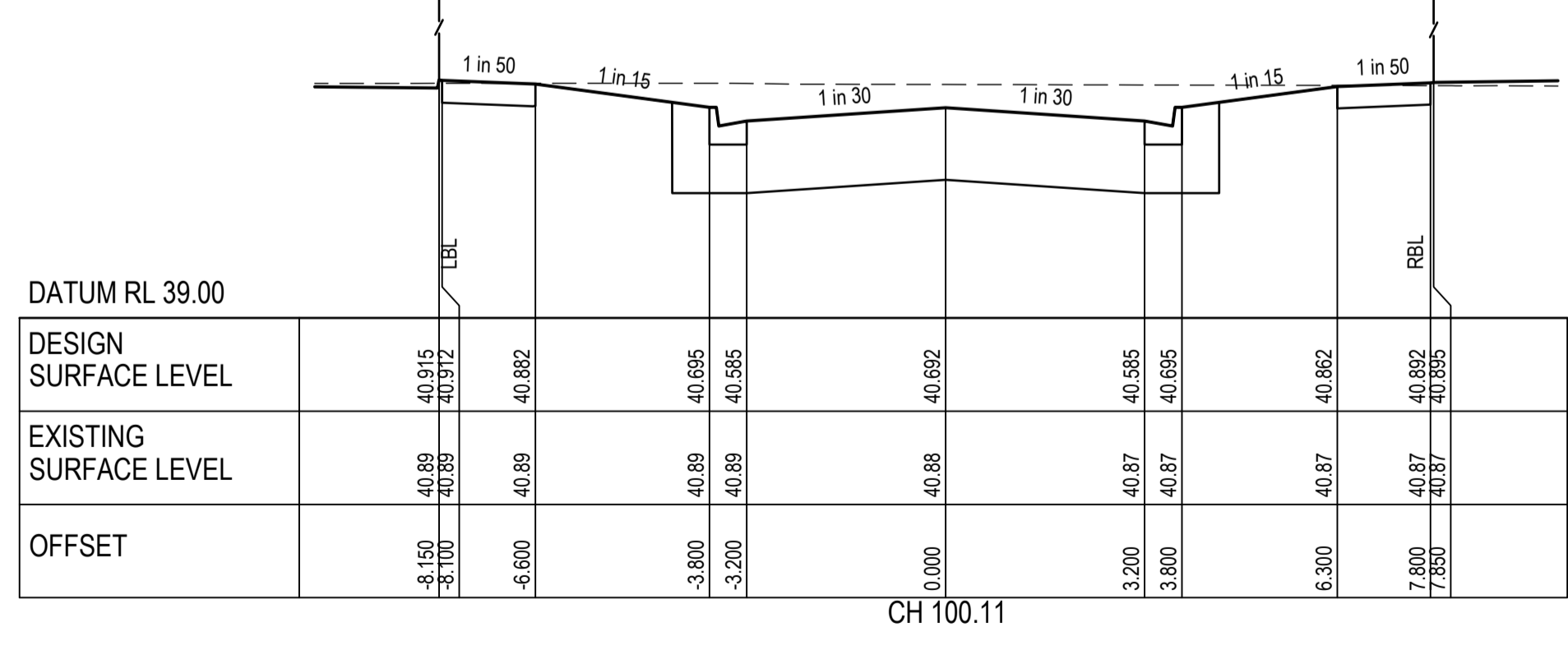
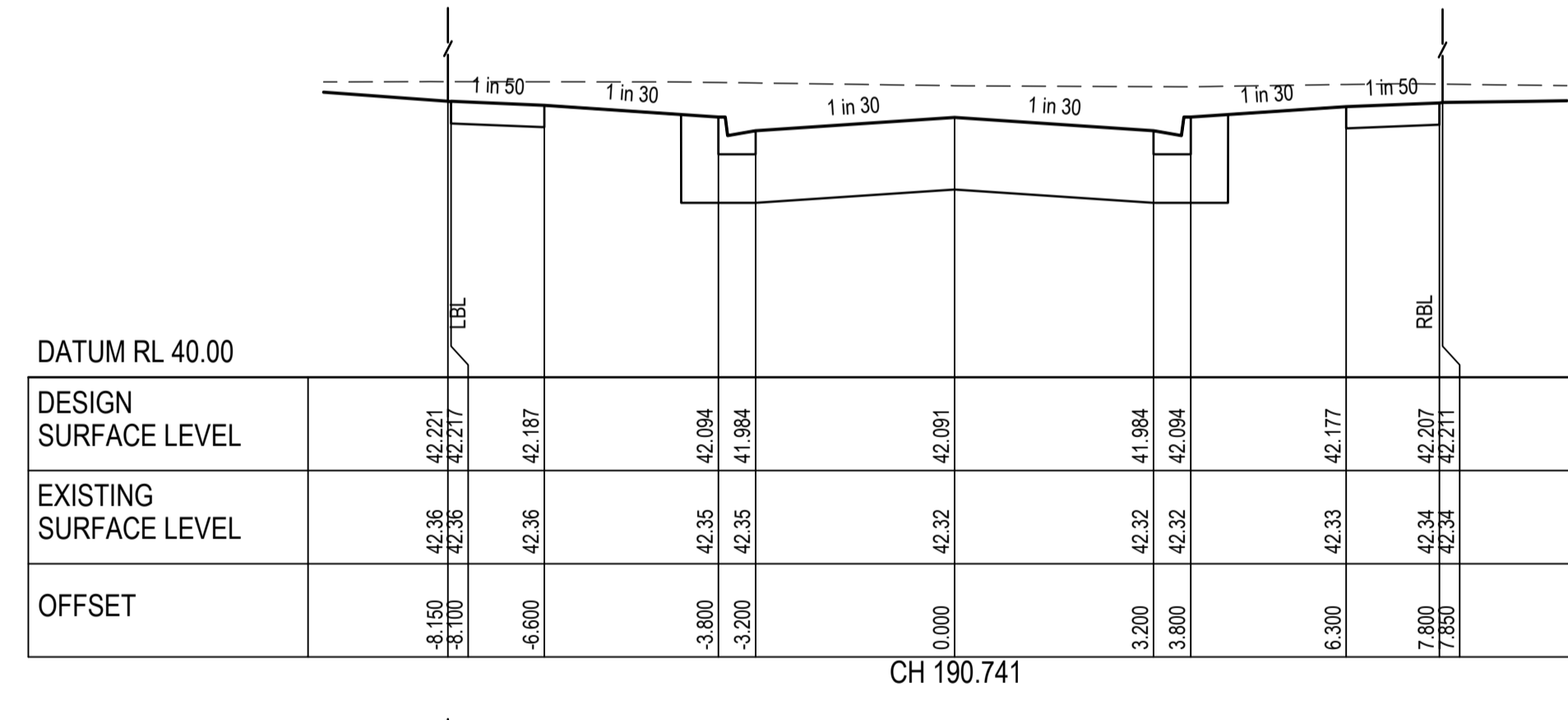
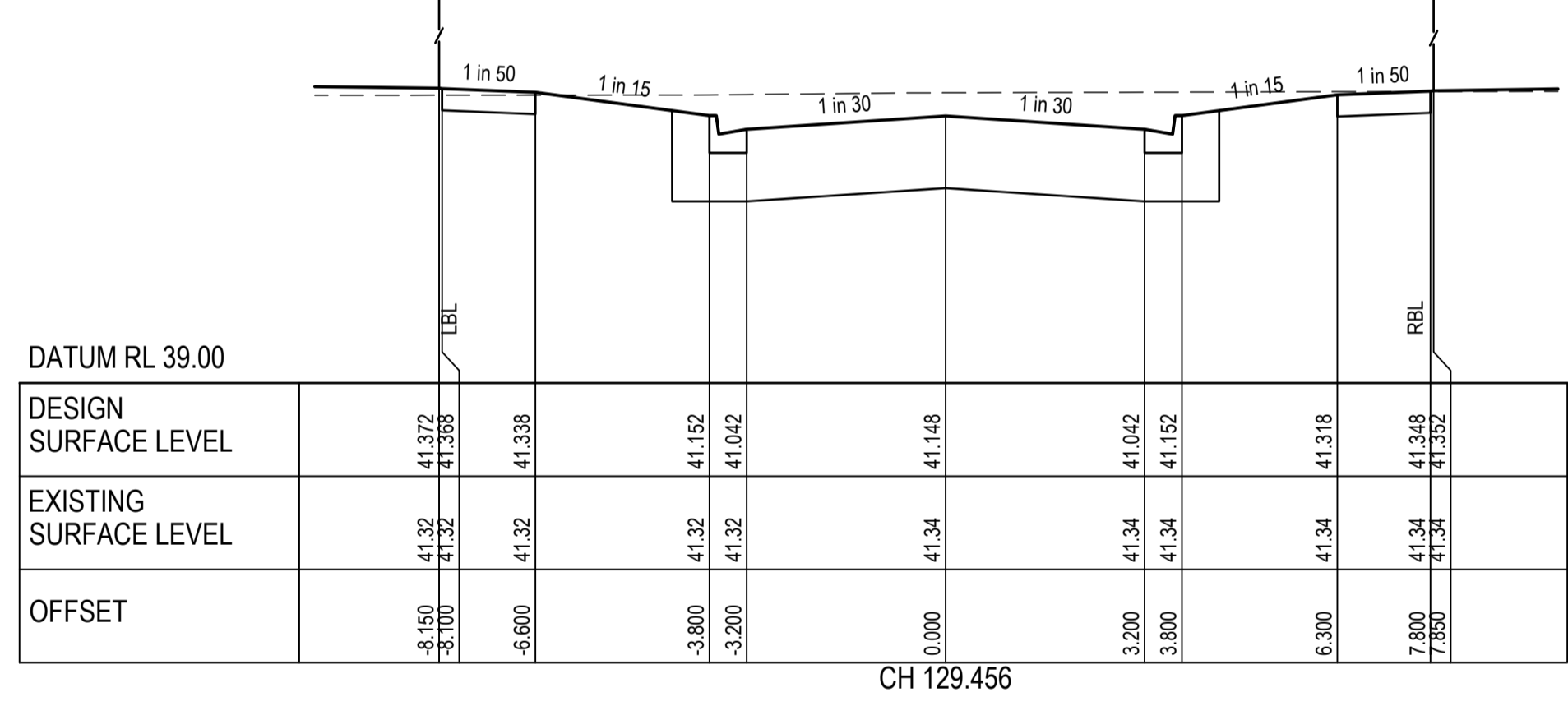
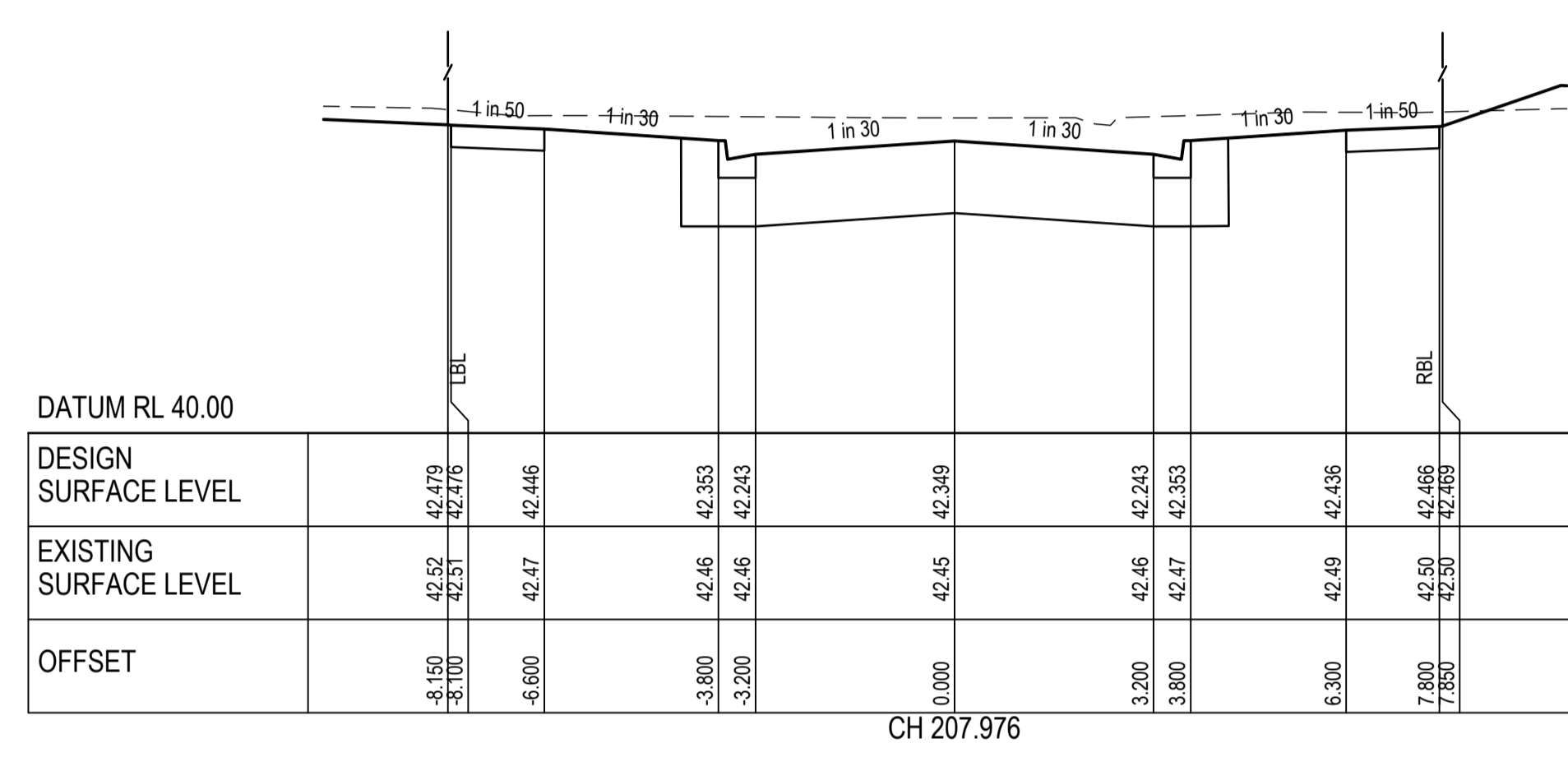
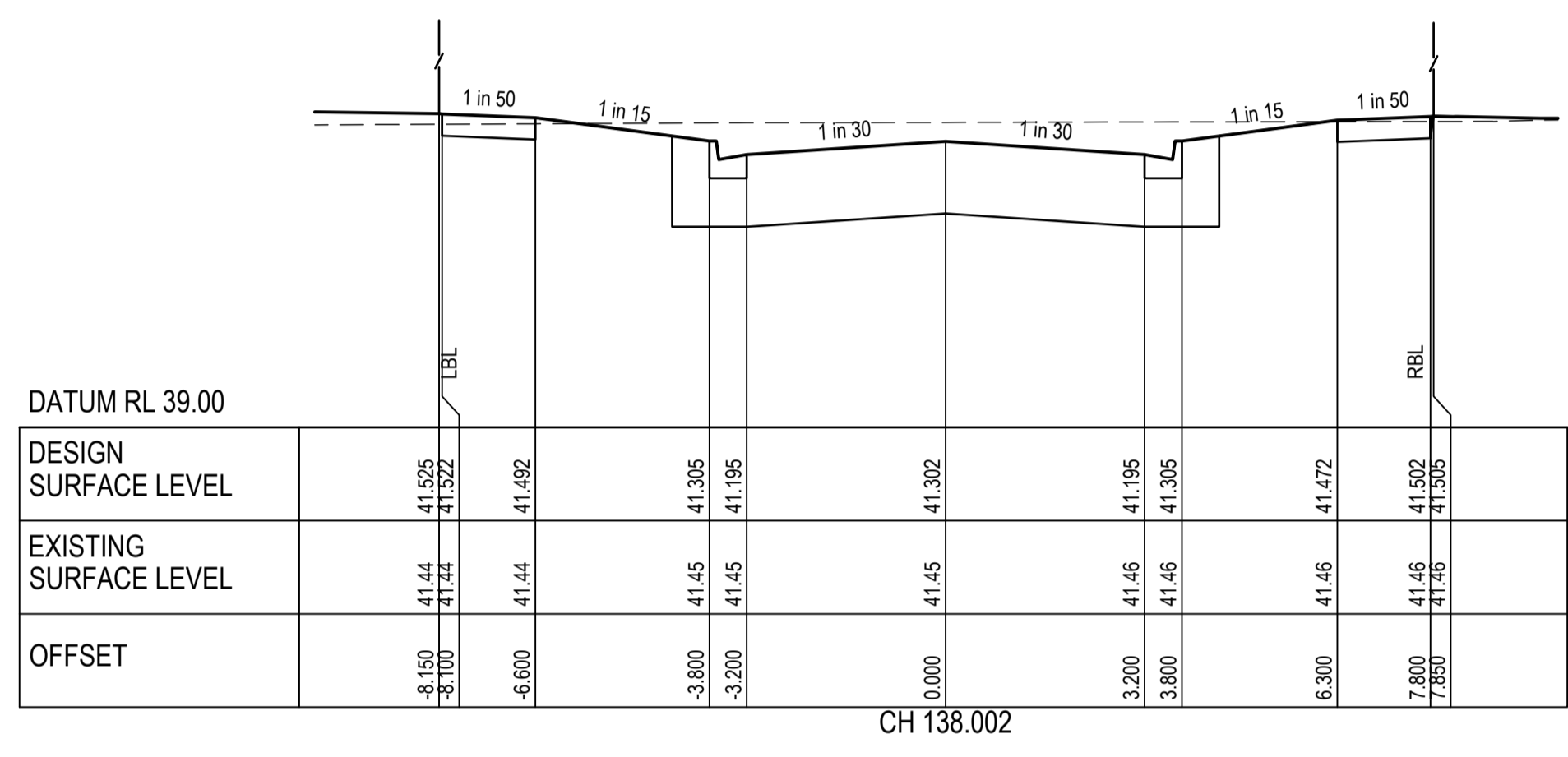
	EXISTING SURFACE
	DESIGN SURFACE
	ROAD BOXING
	BUILDING LINE
	LBL LEFT BUILDING LINE
	RBL RIGHT BUILDING LINE

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



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Wyndham Planning Scheme**

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under Condition 44  
Permit No WYP9651/16  
Date 29/11/2023**



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H: 0 1 2 4m  
V: 0 0.5 1 2m  
SCALE H:1:100 V:1:50 @A1

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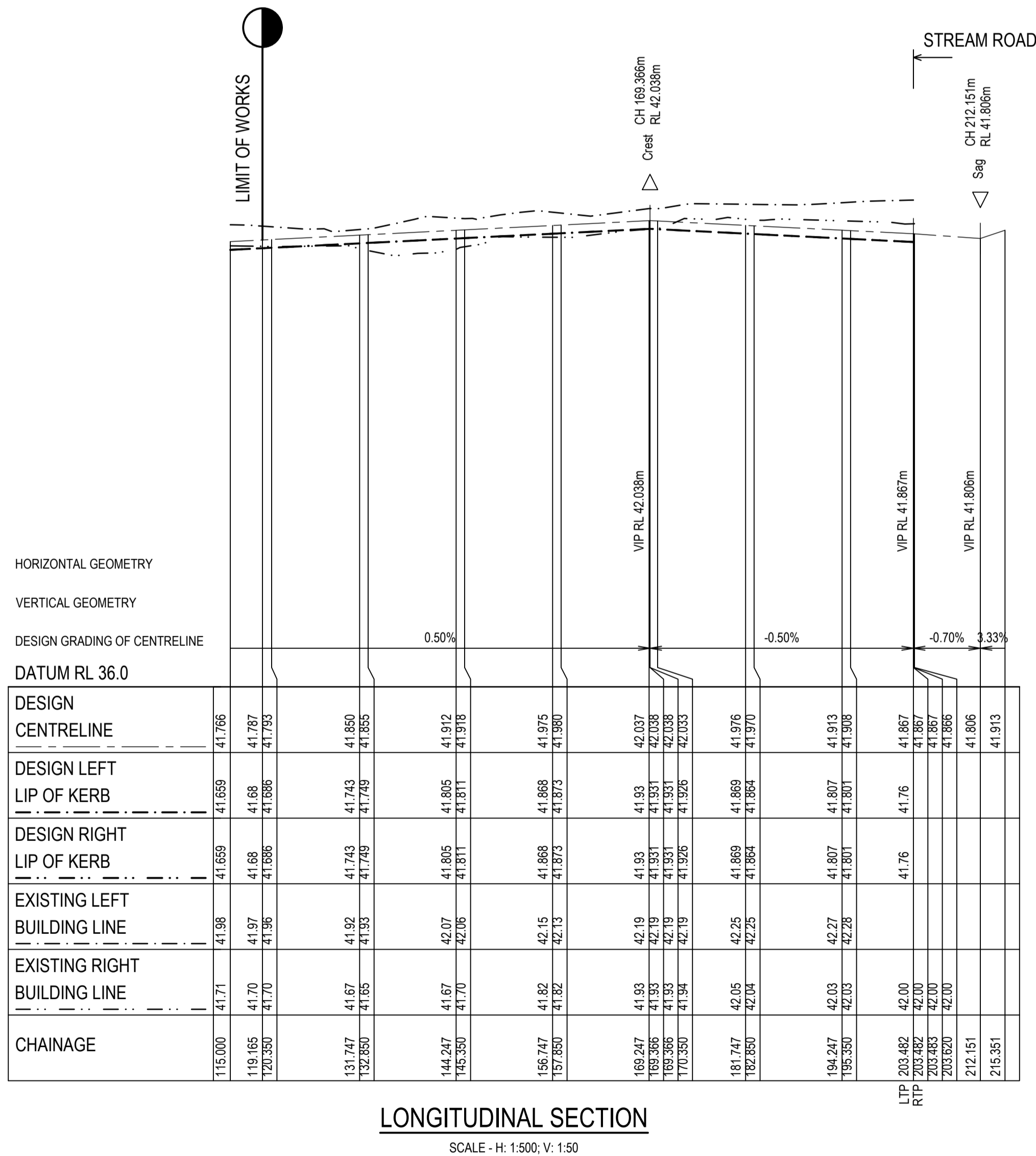
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Drawn N. WHITE 14.09.2023	Date 14.09.2023	Client PARKLANE GARDENS DEVELOPMENT PTY LTD
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Designed B. ZHENG 14.09.2023	Date 14.09.2023	Status <b>FOR CONSTRUCTION</b>
Verified N. GLASSON 14.09.2023	Date 14.09.2023	Datum A.H.D.
Approved N. GLASSON 14.09.2023	Date 14.09.2023	Melway Ref 233 J12
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		Size A1
		Drawing Number V220425-CI-1251
		Revision A

Datum A.H.D.	Melway Ref 233 J12	Scale H1:100; V1:50	Size A1
Drawing Number V220425-CI-1251	Revision A		



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**Wyndham Planning Scheme**  
  
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**under Condition 44**  
**Permit No WYP9651/16**  
**Date 29/11/2023**



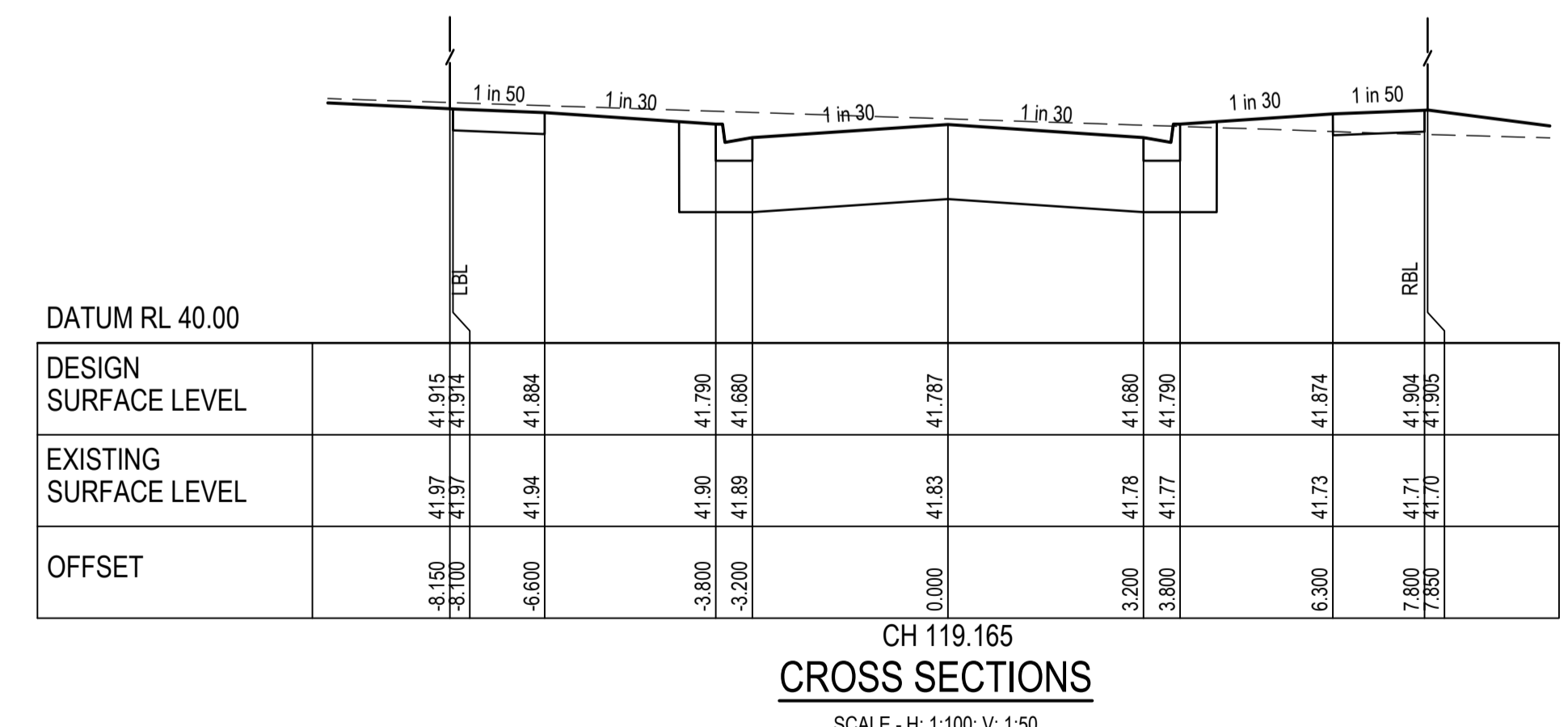
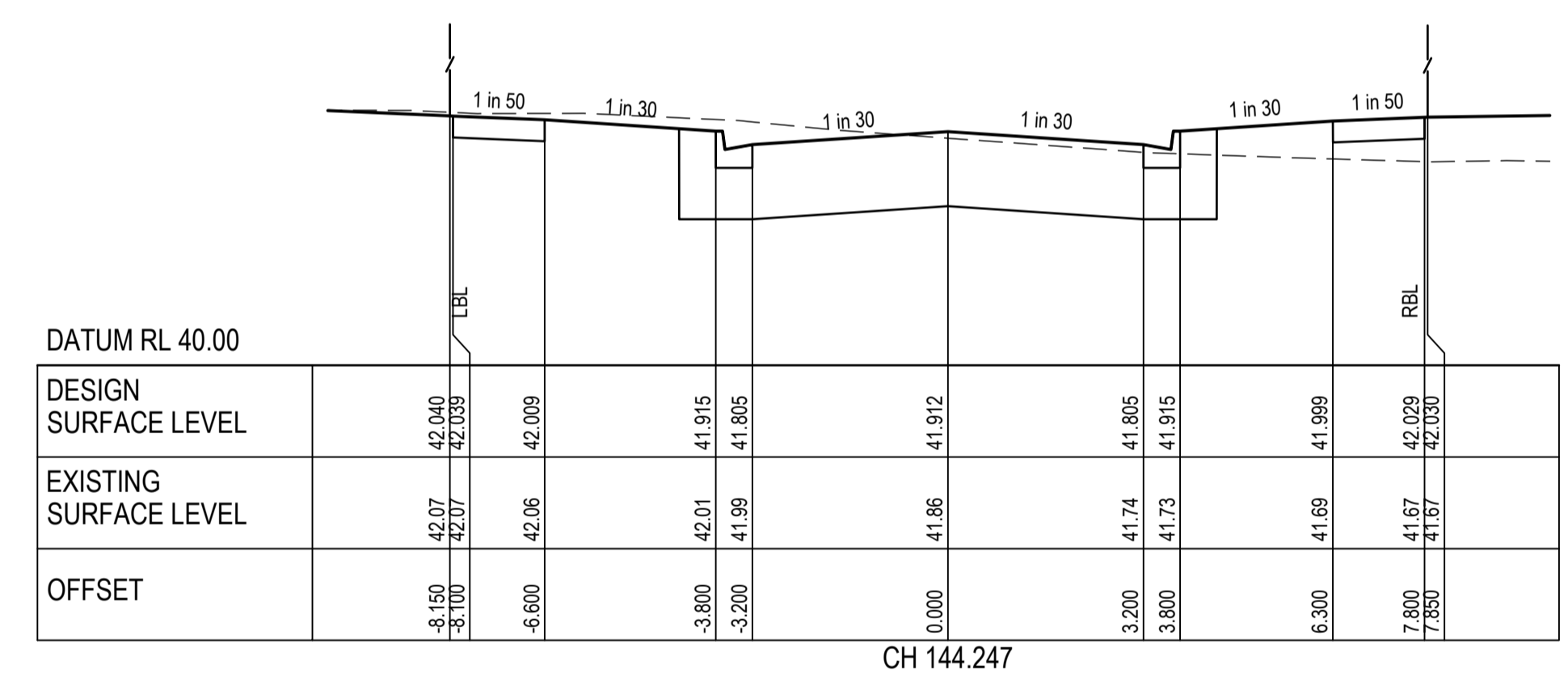
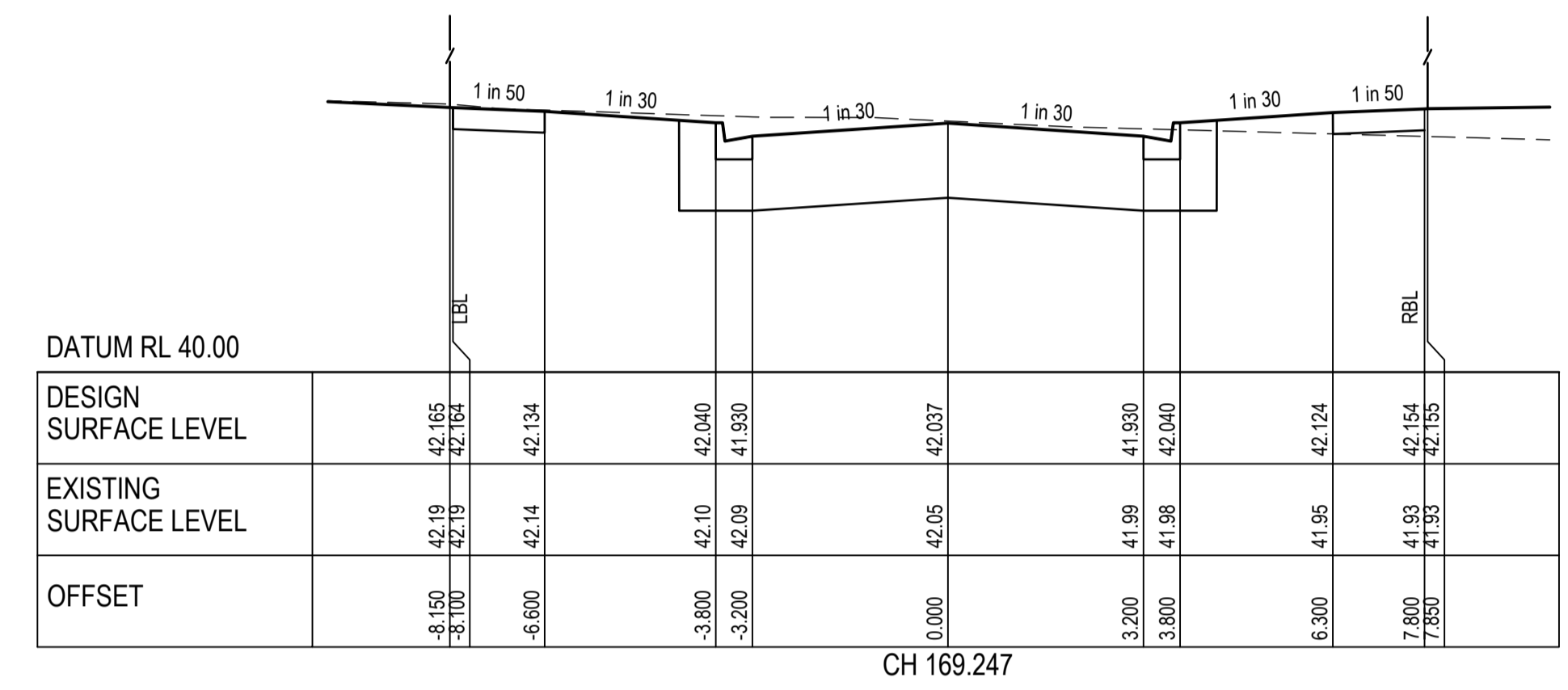
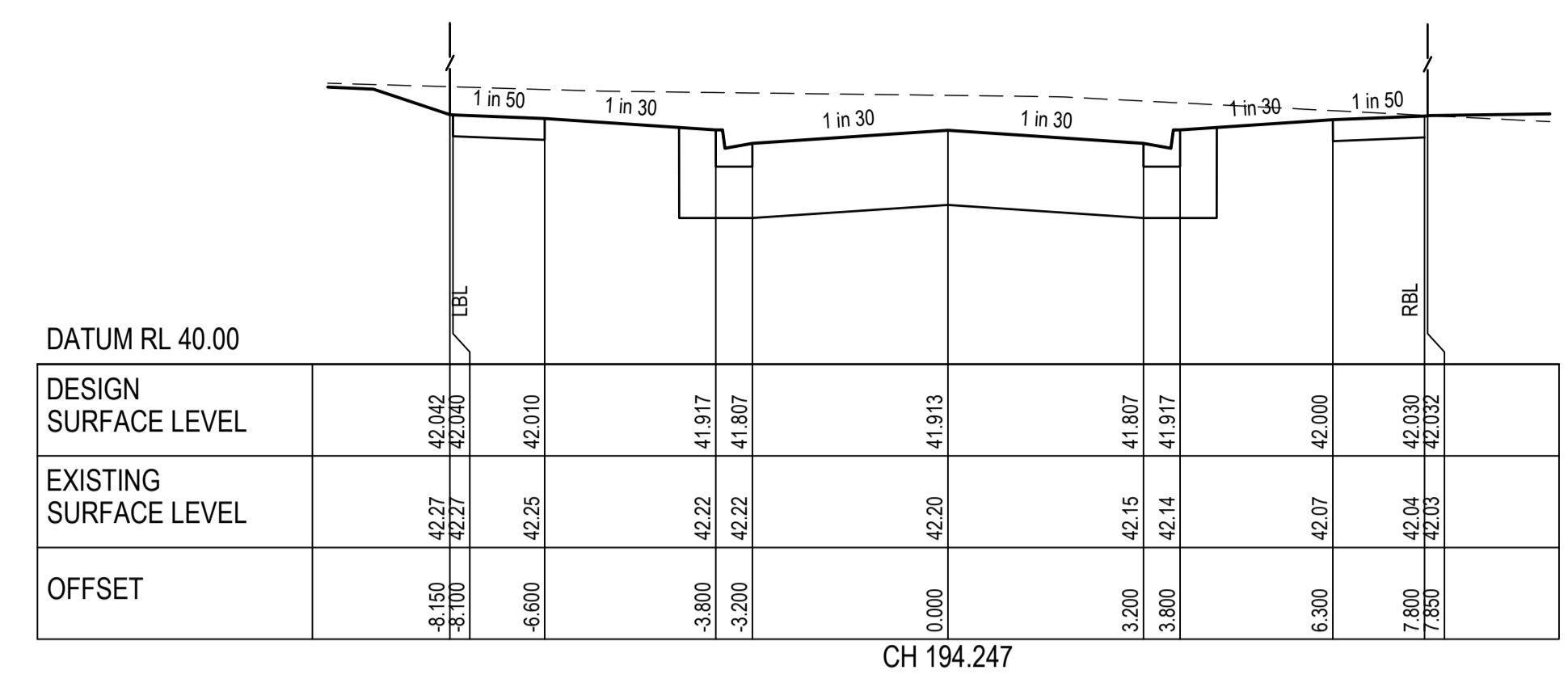
**LONGITUDINAL SECTION**  
SCALE - H: 1:500; V: 1:50

CHAINAGE	EXISTING RIGHT BUILDING LINE	EXISTING LEFT BUILDING LINE	DESIGN RIGHT LIP OF KERB	DESIGN LEFT LIP OF KERB	DESIGN CENTRELINE
115.000	41.71	41.98	41.659	41.659	41.766
119.165	41.70	41.67	41.68	41.68	41.797
123.330	41.70	41.36	41.686	41.686	41.733
131.747	41.67	41.92	41.743	41.743	41.850
132.850	41.65	41.93	41.749	41.749	41.855
144.247	41.67	42.07	41.805	41.805	41.912
145.350	41.70	42.06	41.811	41.811	41.916
156.747	41.82	42.15	41.868	41.868	41.975
157.850	41.82	42.13	41.873	41.873	41.980
169.247	41.93	42.19	41.93	41.93	42.037
170.350	41.93	42.18	41.931	41.931	42.038
170.350	41.94	42.19	41.926	41.926	42.033
181.747	42.05	42.25	41.869	41.869	41.976
182.850	42.04	42.25	41.864	41.864	41.970
194.247	42.03	42.27	41.807	41.807	41.913
195.350	42.03	42.28	41.801	41.801	41.908
203.482	42.00		41.76	41.76	41.867
203.482	42.00		41.867	41.867	41.967
203.482	42.00		41.867	41.867	41.967
203.482	42.00		41.869	41.869	41.969
212.151			41.806	41.806	41.906
215.351			41.913	41.913	41.913

**LEGEND**

	EXISTING SURFACE
	DESIGN SURFACE
	ROAD BOXING
	BUILDING LINE
	LEFT BUILDING LINE
	RIGHT BUILDING LINE

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



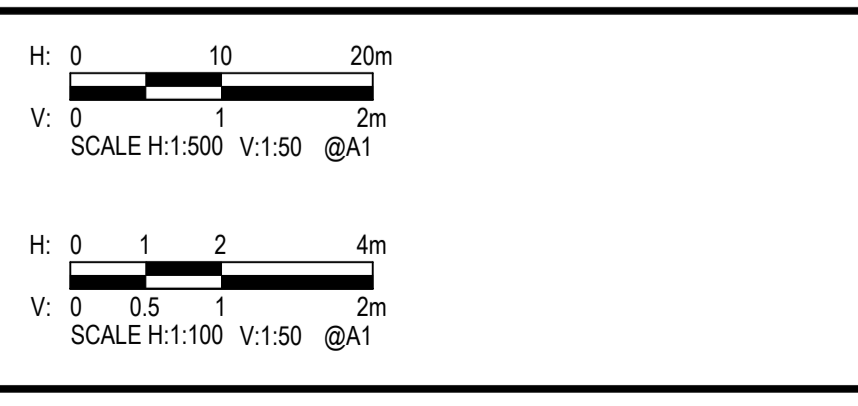
**CROSS SECTIONS**  
SCALE - H: 1:100; V: 1:50

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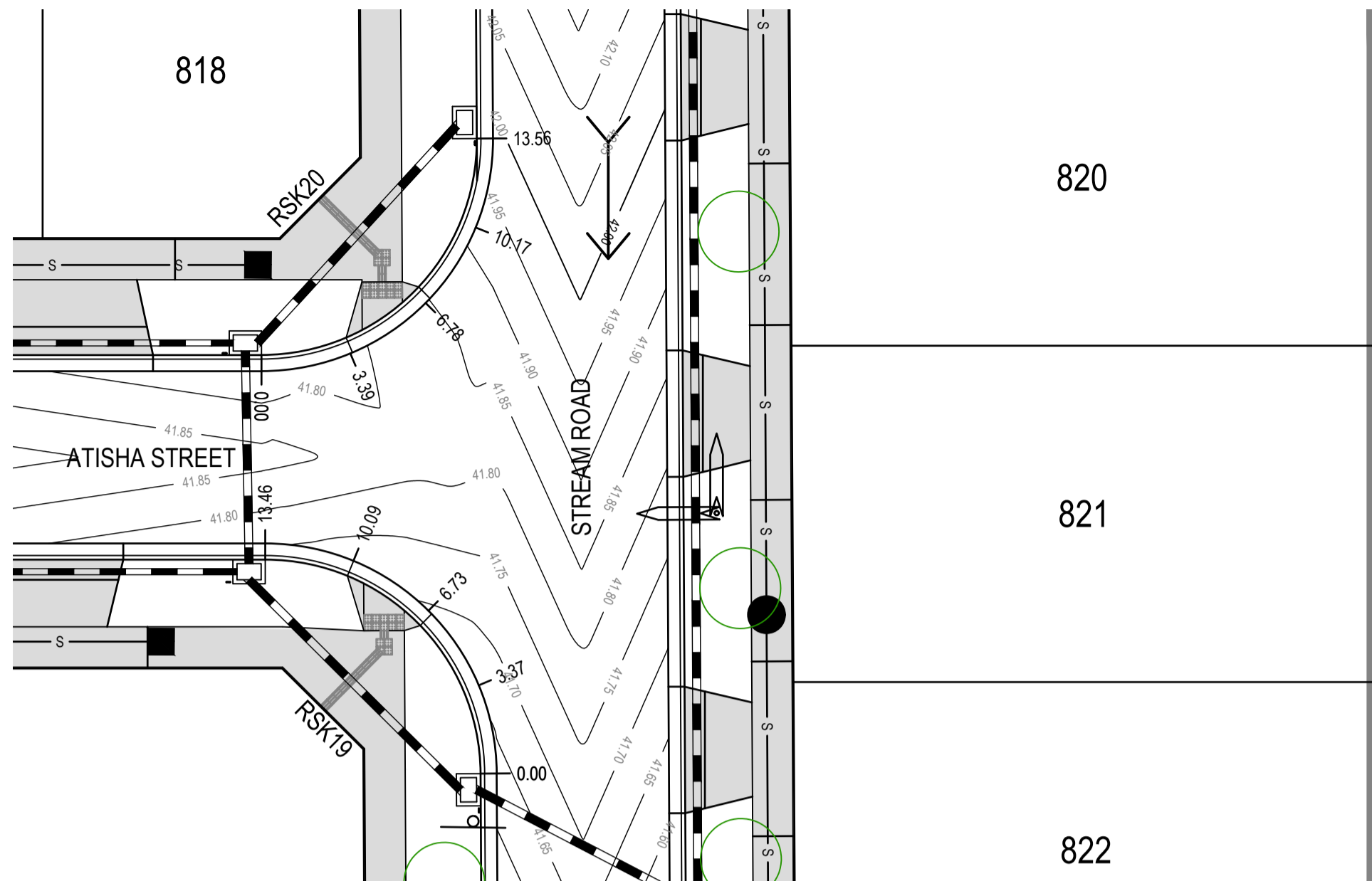


Drawn	N. WHITE	Date	14.09.2023
Checked		Date	
Designed	B. ZHENG	Date	14.09.2023
Verified	N. GLASSON	Date	14.09.2023
Approved		Date	
	N. GLASSON	Date	14.09.2023

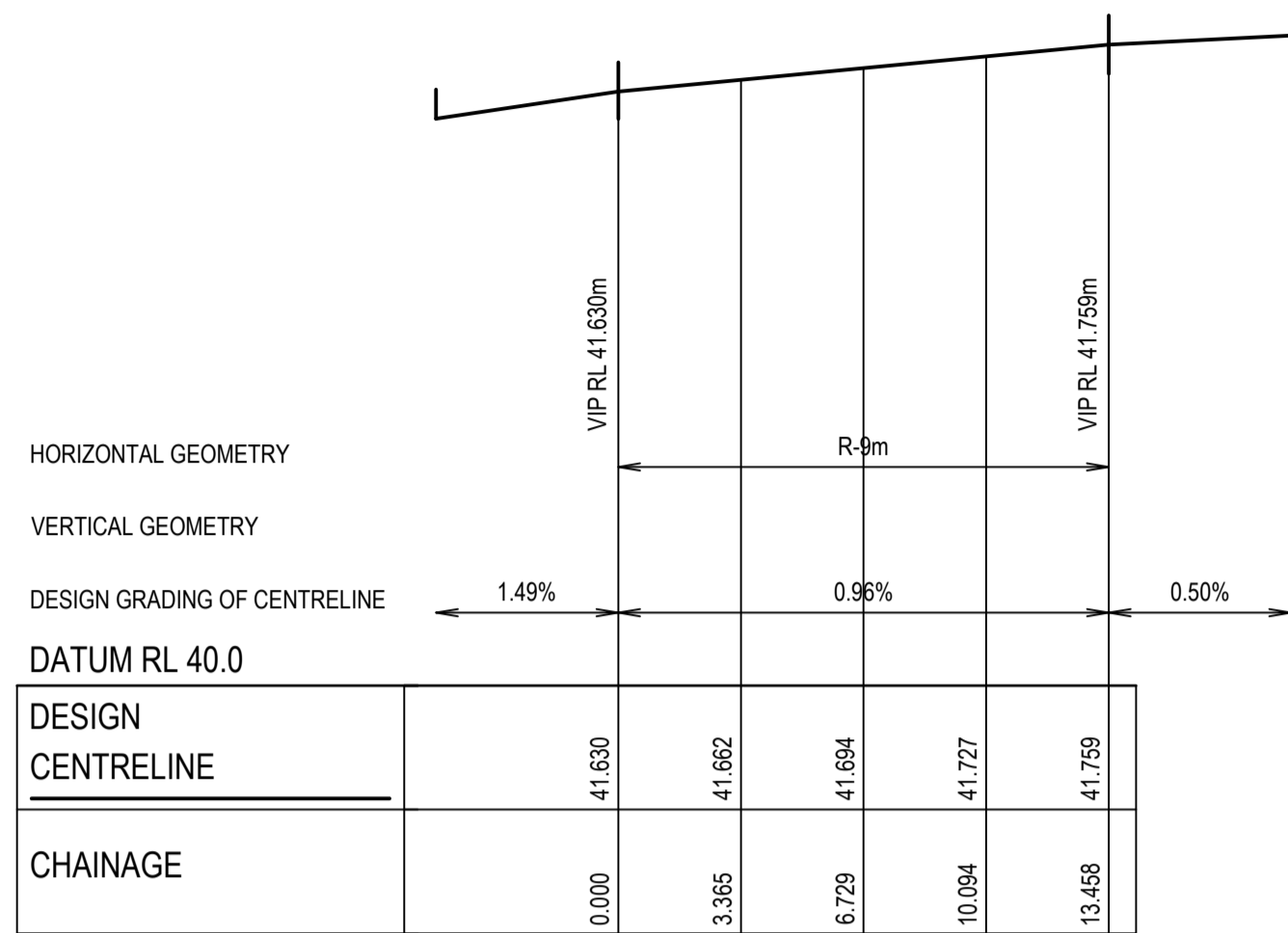
Client	PARKLANE GARDENS DEVELOPMENT PTY LTD
Project	PARKLANE GARDENS - STAGE 8 504-530 BALLAN ROAD, WYNDHAM VALE WYNDHAM CITY COUNCIL
Title	CIVIL SITEWORKS ATISHA STREET LONGITUDINAL AND CROSS SECTIONS

Status	<b>FOR CONSTRUCTION</b>						
Datum	A.H.D.	Melway Ref	233 J12	Scale	H1:500; V1:50	Size	A1
Drawing Number	V220425-CI-1300			Revision	A		

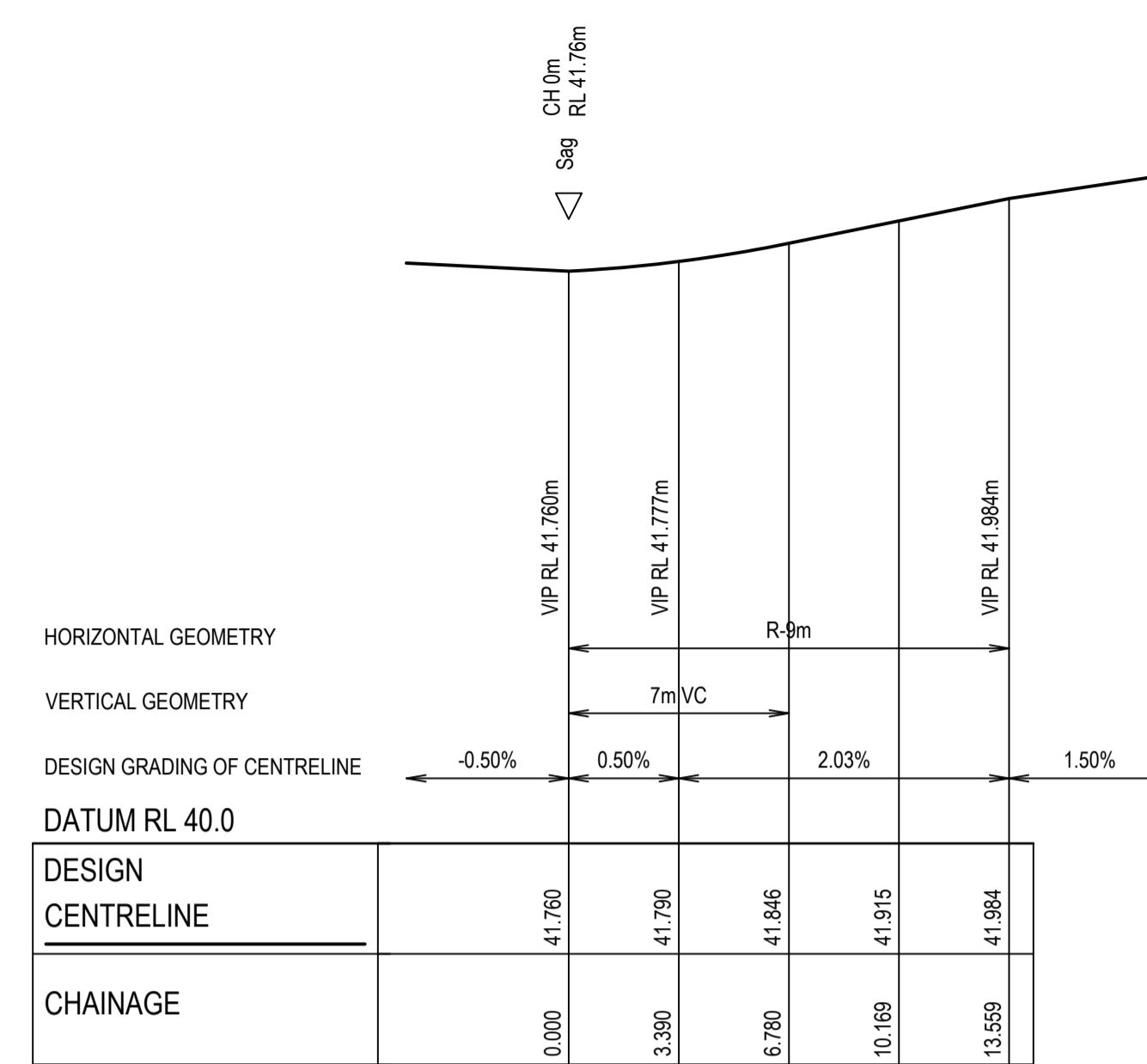




ATISHA STREET AND STREAM ROAD INTERSECTION  
SCALE - 1:200



RSK19 - LONGITUDINAL SECTION  
SCALE - H: 1:200; V: 1:20



RSK20 - LONGITUDINAL SECTION  
SCALE - H: 1:200; V: 1:20

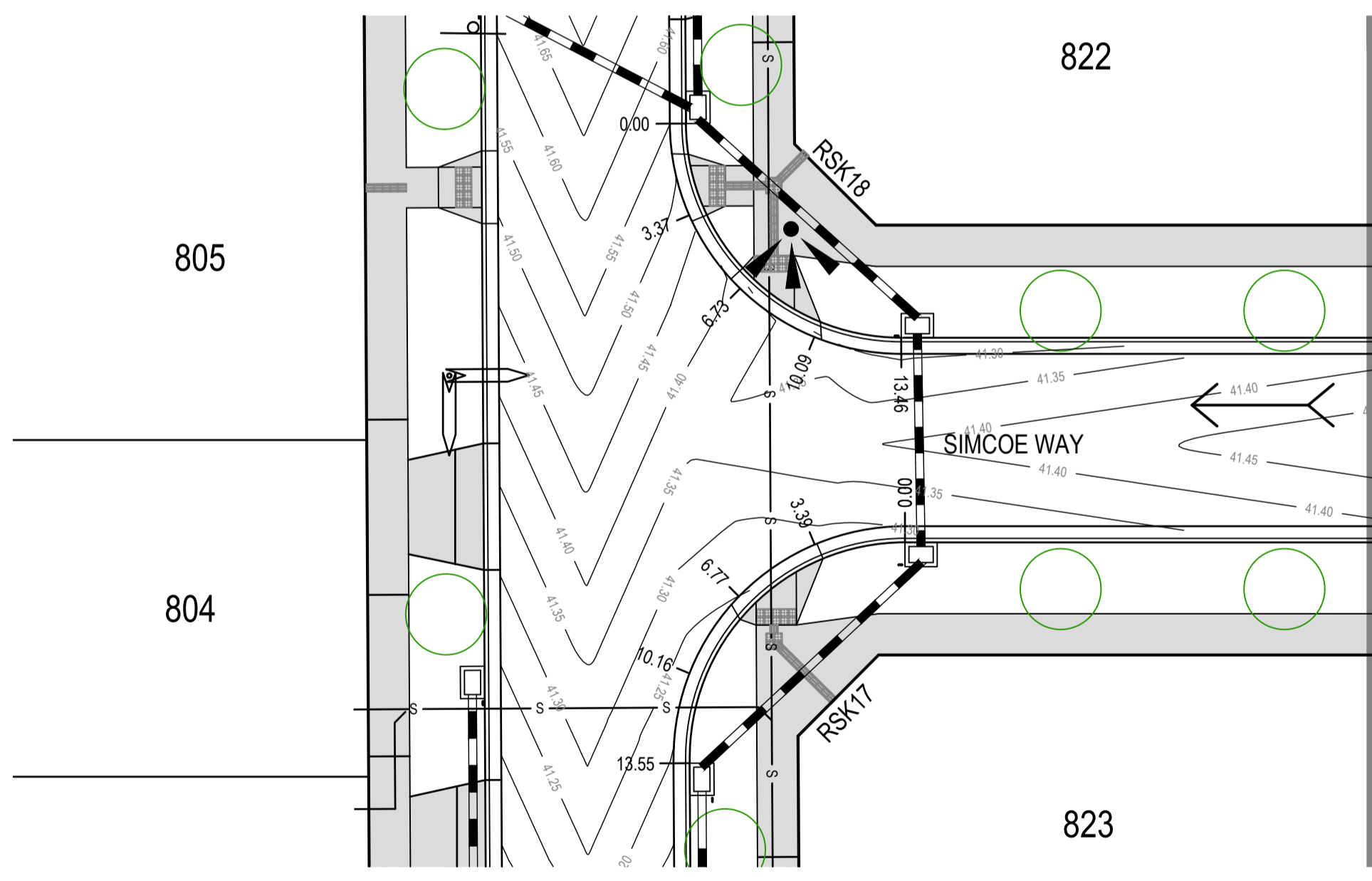
**LEGEND**

- DESIGN SURFACE
- FINISHED SURFACE CONTOUR (MAJOR)
- FINISHED SURFACE CONTOUR (MINOR)
- TACTILE GROUND SURFACE INDICATORS
- PROPOSED STORMWATER DRAIN, PIT AND DIAMETER
- EXISTING STORMWATER DRAIN, PIT AND DIAMETER
- PROPOSED AGRICULTURAL DRAIN WITH FLUSH OUT RISER
- PROPOSED SWALE DRAIN
- PROPOSED SEWER, MAINT. STRUCTURES
- EXISTING SEWER, MAINT. STRUCTURES
- PROPOSED BATTER
- KERB AND CHANNEL (AS SHOWN)
- EXISTING FEATURES TO BE REMOVED
- 'NO ROAD' SIGN AND BARRIER
- PROPOSED TRAFFIC SIGN
- PROPOSED STREET SIGN
- LINE MARKING AND RRP/MS
- PAVEMENT LEVELS
- SAWCUT JOINT
- DOWELLED EXPANSION JOINT
- ISOLATION JOINT
- CONCRETE INFILL
- LANDSCAPING (BY OTHERS)
- EXPOSED AGGREGATE CONCRETE

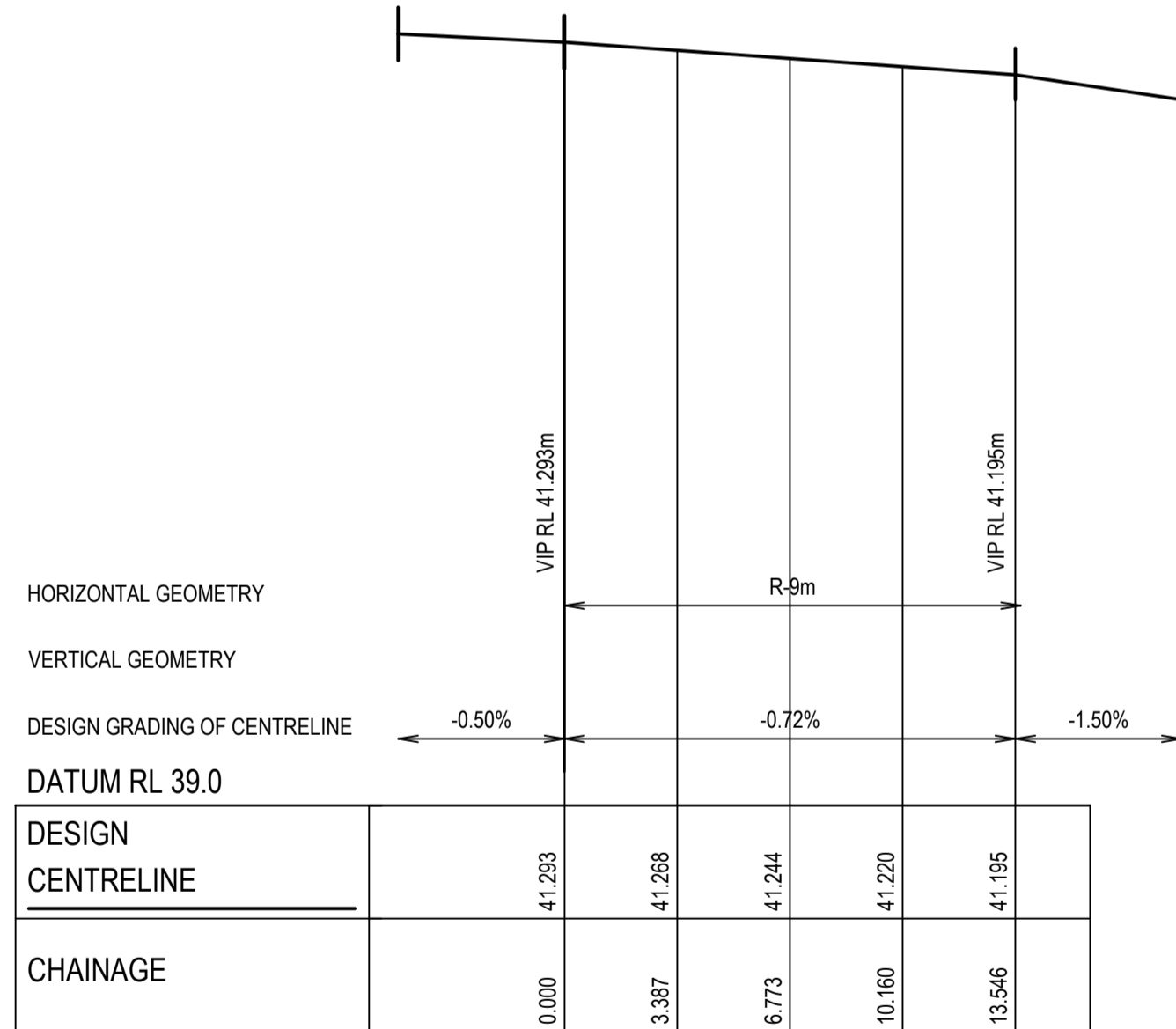
FOR LINEMARKING AND SIGNAGE DETAILS REFER TO DRAWING No CI-1450

CONTRACTOR TO VERIFY EXISTING SERVICES CONNECTION LEVELS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES MUST BE IMMEDIATELY IDENTIFIED AND THE SUPERINTENDENT NOTIFIED PRIOR TO CONSTRUCTION COMMENCING.

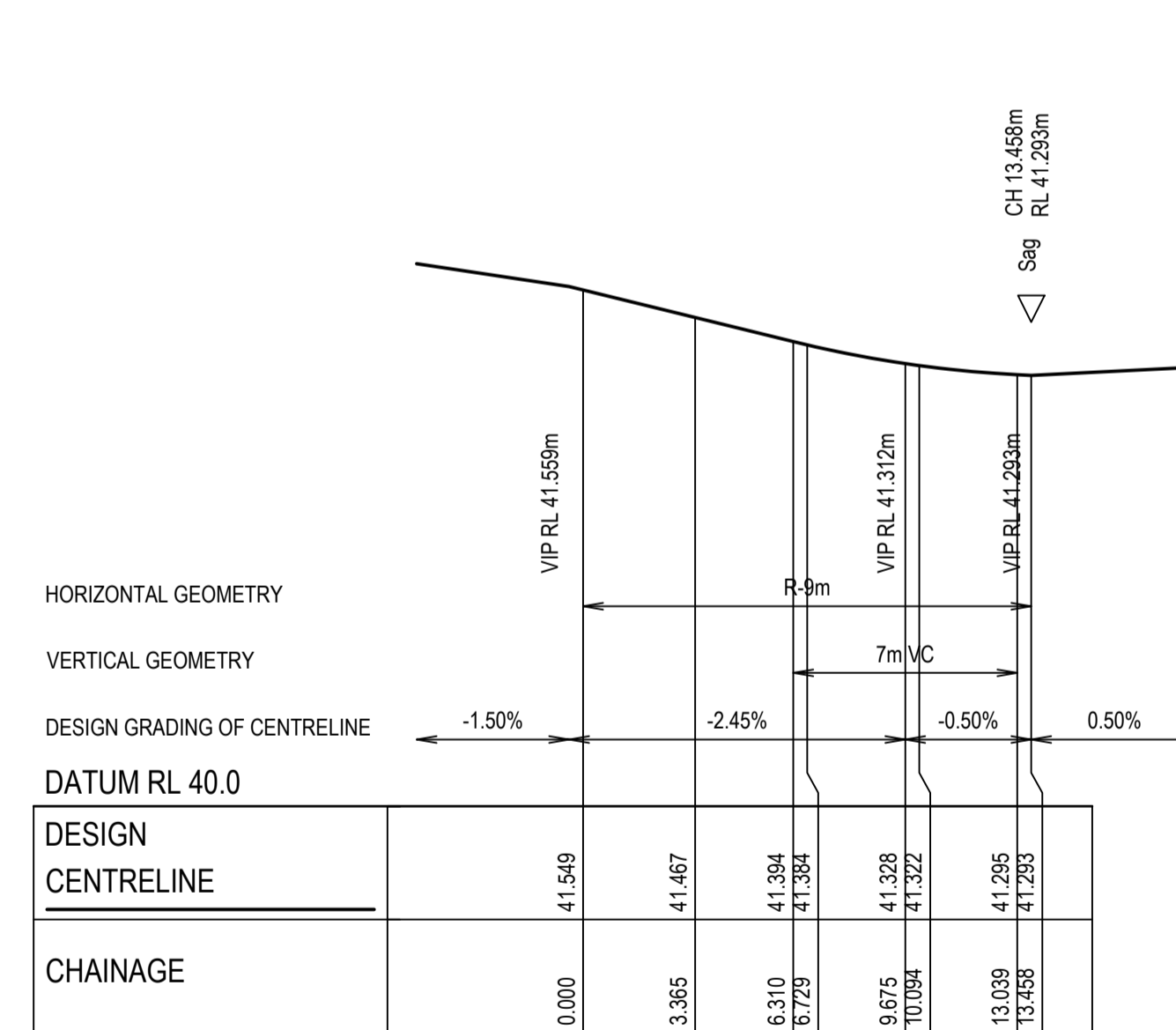
**Planning and Environment Act 1987**  
**Wyndham Planning Scheme**  
  
**Approved Plan As Required**  
**under Condition 44**  
**Permit No WYP9651/16**  
**Date 29/11/2023**



SIMCOE WAY AND STREAM ROAD INTERSECTION  
SCALE - 1:200



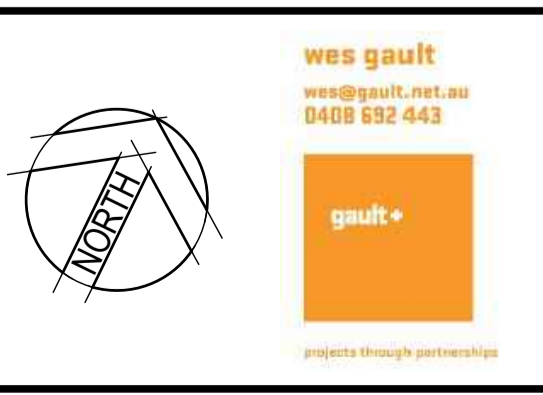
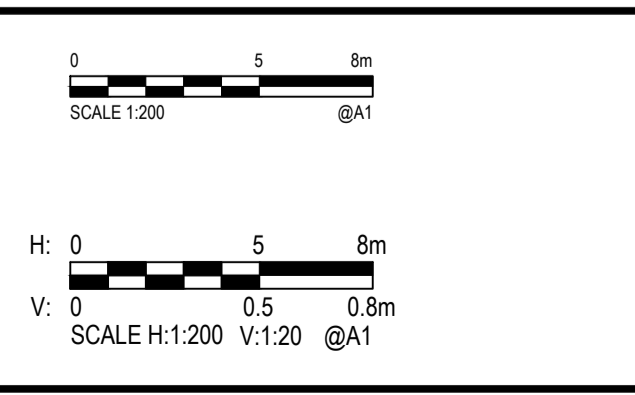
RSK17 - LONGITUDINAL SECTION  
SCALE - H: 1:200; V: 1:20



RSK18 - LONGITUDINAL SECTION  
SCALE - H: 1:200; V: 1:20

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**WYNDHAM CITY COUNCIL**  
 AND IS A PRELIMINARY ISSUE  
  
 COUNCIL REFERENCE  
 WYP9651/16

Rev.	Date	Description	Des.	Verif.	Appd.
A	14/11/2023	ISSUED FOR CONSTRUCTION	B.Z.	N.G.	N.G.



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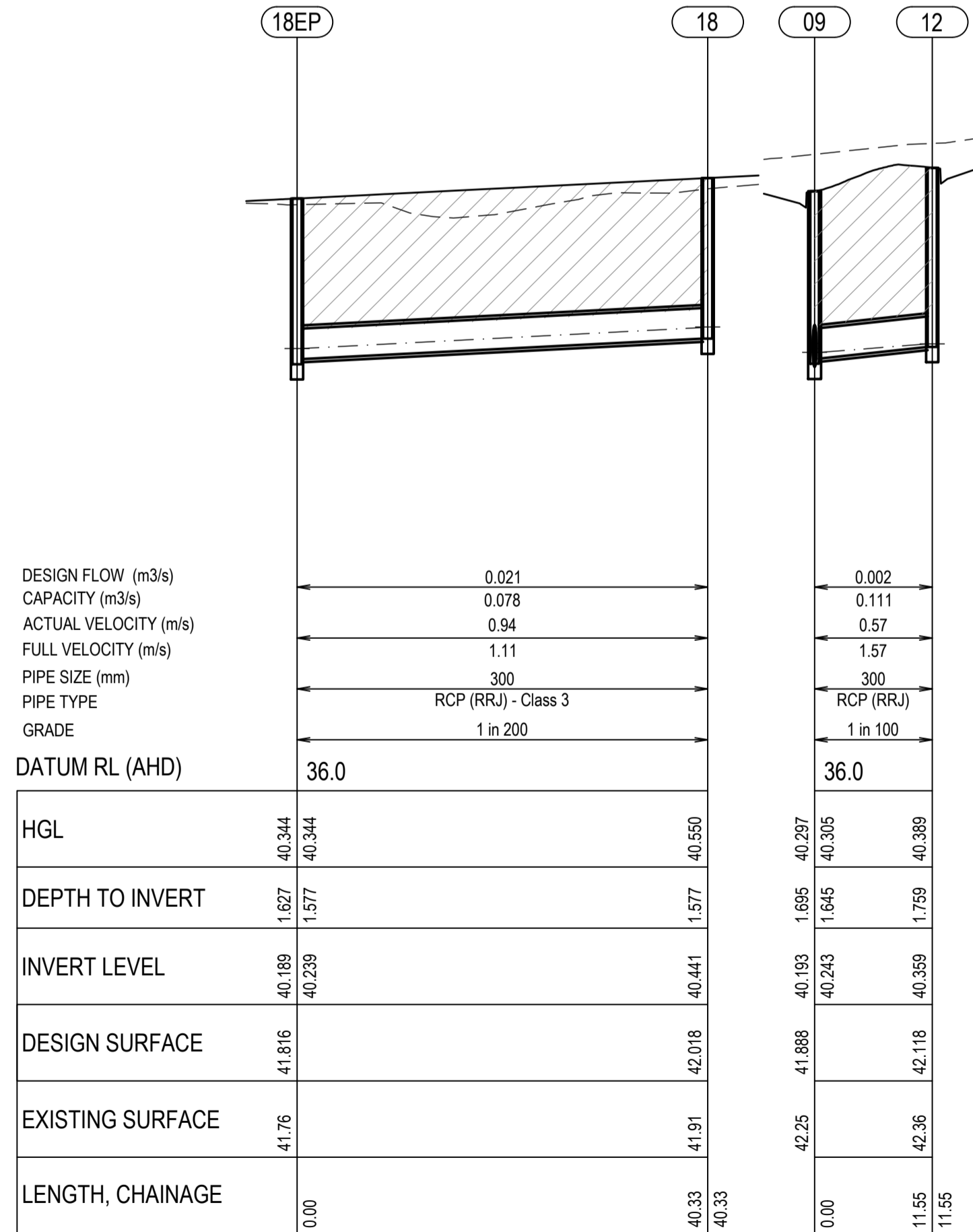
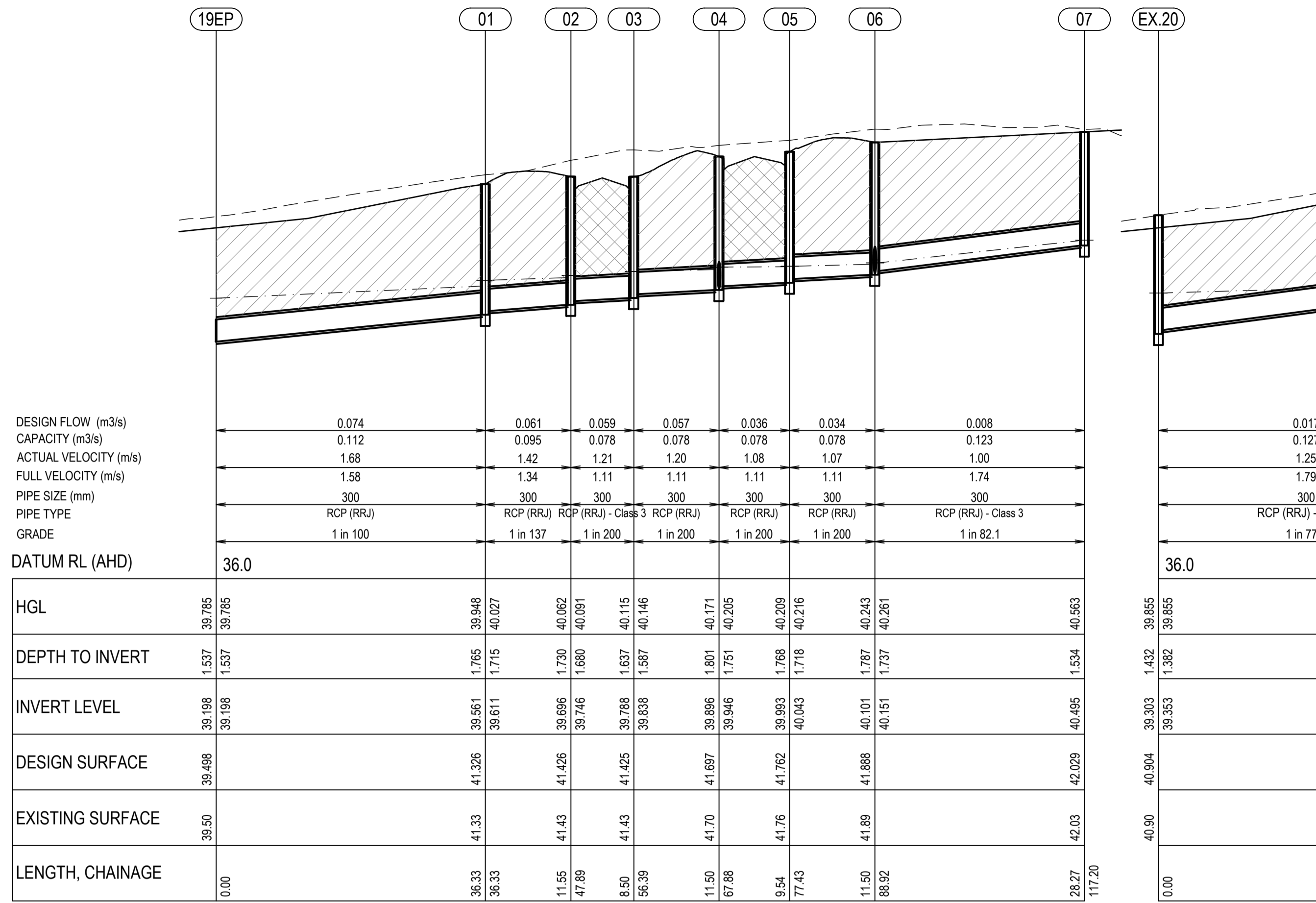


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Client	PARKLANE GARDENS DEVELOPMENT PTY LTD
Project	PARKLANE GARDENS - STAGE 8 504-530 BALLAN ROAD, WYNDHAM VALE WYNDHAM CITY COUNCIL
Title	CIVIL SITEWORKS INTERSECTION DETAILS

Status	<b>FOR CONSTRUCTION</b>			
Datum	A.H.D.	Melway Ref	Scale	Size
		233 J12	AS SHOWN	A1
Drawing Number	V220425-CI-1350			Revision
				A





**Planning and Environment Act 1987**  
**Wyndham Planning Scheme**  
**Approved Plan As Required**  
**under Condition 44**  
**Permit No WYP9651/16**  
**Date 29/11/2023**

**LEGEND**

- EXISTING SURFACE
- DESIGN SURFACE
- DRAINAGE HYDRAULIC GRADE LINE (HGL)
- PROPOSED DRAINAGE
- EXISTING DRAINAGE
- PIT NUMBER
- CLASS 3 CRUSHED ROCK BACKFILL
- CLASS 2 CRUSHED ROCK BACKFILL

CONTRACTOR TO VERIFY EXISTING SERVICES CONNECTION LEVELS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES MUST BE IMMEDIATELY IDENTIFIED AND THE SUPERINTENDENT NOTIFIED PRIOR TO CONSTRUCTION COMMENCING.

PIT NO	TYPE	INTERNAL		INLET		OUTLET		PIT		REMARKS
		WD	LEN	DIA	INV LEV	DIA	INV LEV	FIN RL	DEPTH	
1	GSEP	600	900	300	39.611	300	39.561	41.326	1.77	REFER EDCM 601 & 605
2	GSEP	600	900	300	39.746	300	39.696	41.426	1.73	REFER EDCM 601 & 605
3	GSEP	600	900	300	39.838	300	39.788	41.425	1.64	REFER EDCM 601 & 605
4	GSEP	600	900	300	39.946	300	39.896	41.697	1.80	REFER EDCM 601 & 605
5	GSEP	600	900	300	40.043	300	39.993	41.762	1.77	REFER EDCM 601 & 605
6	GSEP	600	900	300	40.151	300	40.101	41.888	1.79	REFER EDCM 601 & 605
7	JP	600	900			300	40.495	42.029	1.53	REFER EDCM 605
8	JP	600	900			300	39.870	41.380	1.51	REFER EDCM 605
9	GSEP	600	900	300	40.243	300	40.193	41.888	1.70	REFER EDCM 601 & 605
10	JP	600	900			300	40.487	42.021	1.53	REFER EDCM 605
11	JP	600	900			300	40.509	42.263	1.75	REFER EDCM 605, PROVIDE HD COVER
12	GSEP	600	900			300	40.359	42.118	1.76	REFER EDCM 601 & 605
17	JP	600	900			300	40.701	42.033	1.33	REFER EDCM 605
18	JP	600	900			300	40.441	42.018	1.58	REFER EDCM 605
17EP	JP	600	900	300	40.484	225	40.434	41.816	1.38	CONSTRUCT PIT ON EXISTING PIPE WITH HD COVER
18EP	JP	600	900	300	40.239	225	40.189	41.816	1.63	CONSTRUCT PIT ON EXISTING PIPE
19EP	EP	300	100	300	39.198			39.498	0.30	CONNECT NEW PIPE TO EXISTING PIPE
Ex 20	JP	600	900	300	39.353	225	39.303	40.904	1.432	CONSTRUCT PIT ON EXISTING PIPE

- NOTES:**
- ALL PITS ARE TO BE TO VPA STANDARDS UNLESS NOTED OTHERWISE.
  - PITS DEEPER THAN 1.00m SHALL BE FITTED WITH STEPIRONS, FIRST STEPIRON TO BE 300mm FROM THE BOTTOM OF THE PIT.
  - COVER LEVELS TO BE SET TO MATCH THE FINISHED SURFACE PROFILES AND ADJACENT CONSTRUCTION.
  - GP = GRATED PIT, GSEP = GRATED SIDE ENTRY PIT, DGSEP = DOUBLE GRATED SIDE ENTRY PIT, SEP = SIDE ENTRY PIT, DSEP = DOUBLE SIDE ENTRY PIT, JP = JUNCTION PIT, EP = END OF PIPE, GEP = GRATED ENTRY PIT.
  - UNLESS OTHERWISE SPECIFIED, PIT TYPES REFER TO METROPOLITAN PLANNING AUTHORITY STANDARD DRAWINGS
    - EDCM 601 SIDE ENTRY PIT GRATED B2 KERB AND CHANNEL
    - EDCM 602 DOUBLE SIDE ENTRY PIT GRATED 600B2 KERB AND CHANNEL
    - EDCM 605 JUNCTION PIT
  - FOR HAUNCHED PITS REFER VPA STANDARD DRAWING EDCM 607-608 UNLESS NOTED OTHERWISE. LARGE PITS TO BE HAUNCHED TO COUNCIL STANDARD OPENINGS.
  - STUBS AND PIPE ENDS TO BE BLOCKED OFF TO COUNCIL'S SATISFACTION.
  - ALL GRATED PITS TO HAVE BICYCLE SAFE LOCKDOWN GRATES.
  - ALL GRATED SIDE-ENTRY PITS TO HAVE MIN 150mm THICK CONCRETE APRON BETWEEN GRATE AND ASPHALT. REFER VICROADS SD1322.
  - JUNCTION PITS WITHIN ROAD TO HAVE HEAVY DUTY GATIC OR EQUIVALENT LOCK DOWN LIDS, LID INFILL COLOURED TO MATCH ROAD SURFACE.
  - ALL PITS WITHIN ROAD TO BE CONSTRUCTED WITH 32 MPa CONCRETE WITH SL92 MESH IN WALLS AND BASE.
  - PIT LIDS TO BE GRID-LITE OR TERRA FIRMA (NON-TRAFFICABLE AREAS).
  - ALL PITS IN ROAD RESERVE TO BE FITTED WITH CLASS D COVERS OR GRATES.
  - LEVELS OF ALL EXISTING PIPE INVERTS TO BE CONFIRMED BY SURVEY PRIOR TO CONSTRUCTION.
  - SPLAY PIPE SHOWN ON LONG SECTIONS SHALL BE MANUFACTURED SPLAY PIPES.

**WARNING**

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**WYNDHAM CITY COUNCIL**  
AND IS A PRELIMINARY ISSUE

COUNCIL REFERENCE  
WYP9651/16

Rev.	Date	Description	Des.	Verif.	Appd.
A	14/11/2023	ISSUED FOR CONSTRUCTION	B.Z.	N.G.	N.G.

H: 0 10 20m  
V: 0 1 2m  
SCALE H:1:500 V:1:50 @A1

**wes gault**  
wes@gault.net.au  
0408 692 443

**gault+**  
projects through partnerships

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Drawn N. WHITE	Date 14.09.2023
Checked	Date
Designed B. ZHENG	Date 14.09.2023
Verified N. GLASSON	Date 14.09.2023
Approved N. GLASSON	Date 14.09.2023

Client **PARKLANE GARDENS DEVELOPMENT PTY LTD**

Project **PARKLANE GARDENS - STAGE 8**  
504-530 BALLAN ROAD, WYNDHAM VALE  
WYNDHAM CITY COUNCIL

Title **CIVIL SITEWORKS**  
DRAINAGE LONGITUDINAL SECTIONS  
AND PIT SCHEDULE

Status **FOR CONSTRUCTION**

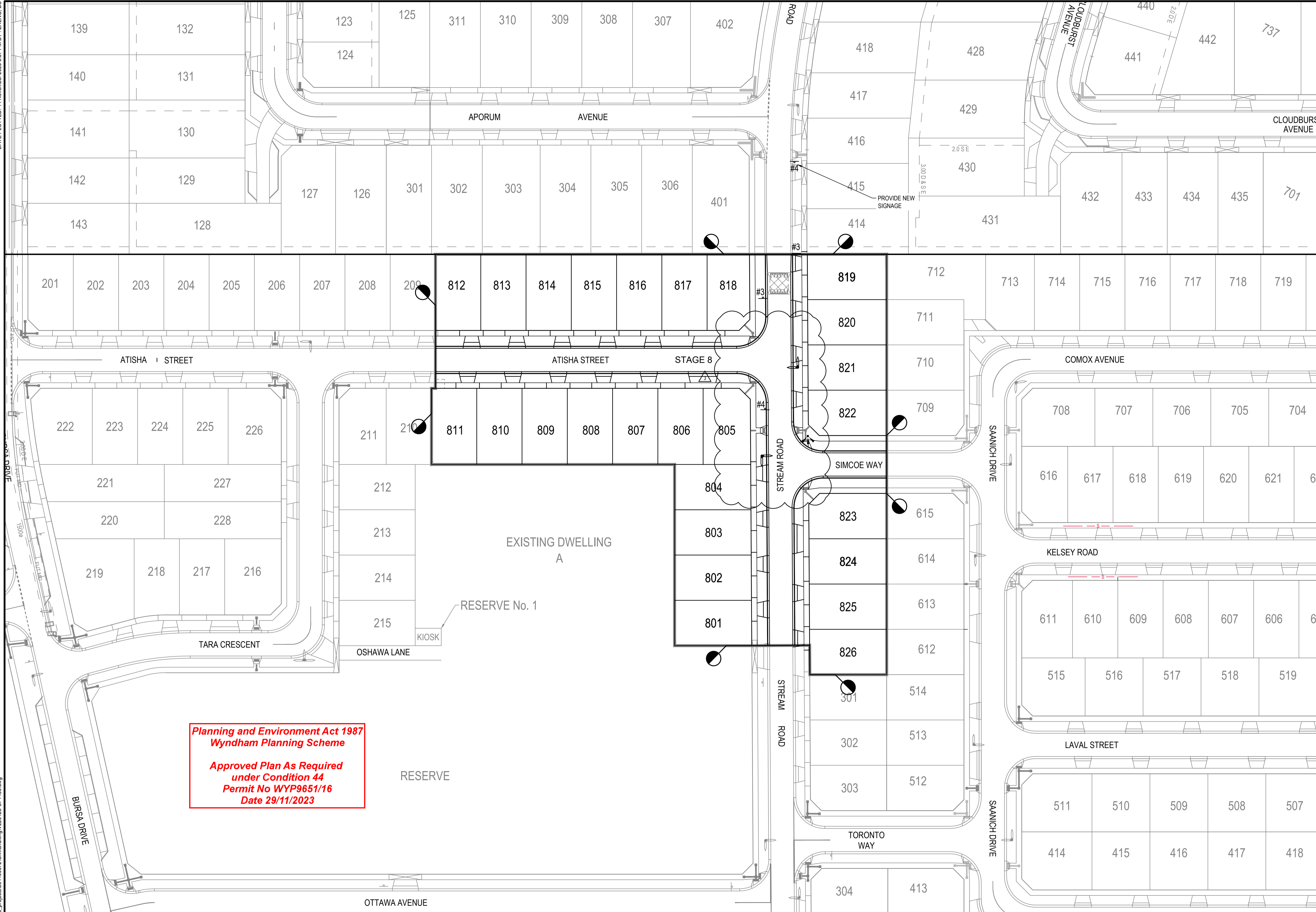
Datum **A.H.D.** Melway Ref **233 J12** Scale **H1:500; V1:50** Size **A1**

Drawing Number **V220425-CI-1400** Revision **A**



DATE PLOTTED: 14 November 2023 3:57 PM BY: ZHENG, BO

XR-V210226-6-CI-BASE; XR-V210226-7-CI-BASE; XR-V210226-8-CI-BASE; XR-V210226-9-CI-BASE; XR-V210226-10-CI-BASE; XR-V210226-11-CI-BASE; XR-V210226-12-CI-BASE; XR-V210226-13-CI-BASE; XR-V210226-14-CI-BASE; XR-V210226-15-CI-BASE; XR-V210226-16-CI-BASE; XR-V210226-17-CI-BASE; XR-V210226-18-CI-BASE; XR-V210226-19-CI-BASE; XR-V210226-20-CI-BASE; XR-V210226-21-CI-BASE; XR-V210226-22-CI-BASE; XR-V210226-23-CI-BASE; XR-V210226-24-CI-BASE; XR-V210226-25-CI-BASE; XR-V210226-26-CI-BASE; XR-V210226-27-CI-BASE; XR-V210226-28-CI-BASE; XR-V210226-29-CI-BASE; XR-V210226-30-CI-BASE; XR-V210226-31-CI-BASE; XR-V210226-32-CI-BASE; XR-V210226-33-CI-BASE; XR-V210226-34-CI-BASE; XR-V210226-35-CI-BASE; XR-V210226-36-CI-BASE; XR-V210226-37-CI-BASE; XR-V210226-38-CI-BASE; XR-V210226-39-CI-BASE; XR-V210226-40-CI-BASE; XR-V210226-41-CI-BASE; XR-V210226-42-CI-BASE; XR-V210226-43-CI-BASE; XR-V210226-44-CI-BASE; XR-V210226-45-CI-BASE; XR-V210226-46-CI-BASE; XR-V210226-47-CI-BASE; XR-V210226-48-CI-BASE; XR-V210226-49-CI-BASE; XR-V210226-50-CI-BASE; XR-V210226-51-CI-BASE; XR-V210226-52-CI-BASE; XR-V210226-53-CI-BASE; XR-V210226-54-CI-BASE; XR-V210226-55-CI-BASE; XR-V210226-56-CI-BASE; XR-V210226-57-CI-BASE; XR-V210226-58-CI-BASE; XR-V210226-59-CI-BASE; XR-V210226-60-CI-BASE; XR-V210226-61-CI-BASE; XR-V210226-62-CI-BASE; XR-V210226-63-CI-BASE; XR-V210226-64-CI-BASE; XR-V210226-65-CI-BASE; XR-V210226-66-CI-BASE; XR-V210226-67-CI-BASE; XR-V210226-68-CI-BASE; XR-V210226-69-CI-BASE; XR-V210226-70-CI-BASE; XR-V210226-71-CI-BASE; XR-V210226-72-CI-BASE; XR-V210226-73-CI-BASE; XR-V210226-74-CI-BASE; XR-V210226-75-CI-BASE; XR-V210226-76-CI-BASE; XR-V210226-77-CI-BASE; XR-V210226-78-CI-BASE; XR-V210226-79-CI-BASE; XR-V210226-80-CI-BASE; XR-V210226-81-CI-BASE; XR-V210226-82-CI-BASE; XR-V210226-83-CI-BASE; XR-V210226-84-CI-BASE; XR-V210226-85-CI-BASE; XR-V210226-86-CI-BASE; XR-V210226-87-CI-BASE; XR-V210226-88-CI-BASE; XR-V210226-89-CI-BASE; XR-V210226-90-CI-BASE; XR-V210226-91-CI-BASE; XR-V210226-92-CI-BASE; XR-V210226-93-CI-BASE; XR-V210226-94-CI-BASE; XR-V210226-95-CI-BASE; XR-V210226-96-CI-BASE; XR-V210226-97-CI-BASE; XR-V210226-98-CI-BASE; XR-V210226-99-CI-BASE; XR-V210226-100-CI-BASE



**LEGEND**

	LIMIT OF WORKS
	LINEMARKING AND RRPMS
	EXISTING LINEMARKING AND RRPMS
	BICYCLE LANE
	PROPOSED TRAFFIC SIGN
	PROPOSED STREET SIGN
	'NO ROAD' SIGN AND BARRIER

#1		W2-7
#2		R1-2
#3		W5-10 W8-2
#4		W3-4

CONTRACTOR TO VERIFY EXISTING SERVICES CONNECTION LEVELS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES MUST BE IMMEDIATELY IDENTIFIED AND THE SUPERINTENDENT NOTIFIED PRIOR TO CONSTRUCTION COMMENCING.

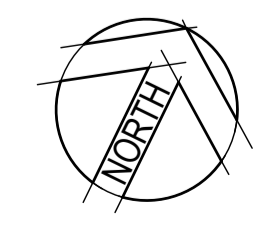
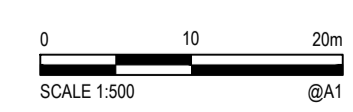
**Planning and Environment Act 1987  
Wyndham Planning Scheme**

**Approved Plan As Required  
under Condition 44  
Permit No WYP9651/16  
Date 29/11/2023**

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Rev.	Date	Description	Des.	Verif.	Appd.
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Verified	N. GLASSON	Date	14.09.2023
Approved		Date	
	N. GLASSON	Date	14.09.2023

Client	PARKLANE GARDENS DEVELOPMENT PTY LTD
Project	PARKLANE GARDENS - STAGE 8 504-530 BALLAN ROAD, WYNDHAM VALE WYNDHAM CITY COUNCIL
Title	CIVIL SITEWORKS SIGNAGE AND LINEMARKING PLAN

Status	<b>FOR CONSTRUCTION</b>						
Datum	A.H.D.	Melway Ref	233 J12	Scale	1:500	Size	A1
Drawing Number	V220425-CI-1450	Revision	A				



DATE PLOTTED: 14 November 2023 3:57 PM BY: ZHENG, B.G. XREFS: XR-V220425-CI-BASE; XR-V210926-7-CI-BASE; XR-V210926-6-CI-BASE; XR-V210926-5-CI-BASE; XR-V210926-4-CI-BASE; XR-V210926-3-CI-BASE; XR-V210926-2-CI-BASE; XR-V210926-1-CI-BASE; XR-V210926-0-CI-BASE; CAD File: I:\a\2013\img01\_cfd\2shared\_projects\04\000727\Civil\dwg\img\220425-CI-1500.dwg

**THE FOLLOWING HAVE BEEN IDENTIFIED AS SIGNIFICANT ENVIRONMENTAL ISSUES FOR THE SITE:**  
THESE ISSUES SHALL BE MANAGED WITH THE MEASURES OUTLINED ON THIS PLAN.

MANAGEMENT	
1. RESPONSIBILITIES: THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING THE ENVIRONMENTAL MANAGEMENT PLAN AND CARRYING OUT THE TASKS REQUIRED INCLUDING MAINTENANCE OF PROTECTION MEASURES FOR THE DURATION OF THE WORKS CONTRACT. EMERGENCY CONTACT 1. STANTEC - PHONE 8415 7777. 2. STEPHEN GEORGIU - PHONE 0425 763 444. 3. WES GAULT - PHONE 0408 692 443.	4. STAGING OF WORKS STRIPPING WORKS ARE TO BE STAGED TO MINIMISE EXTENTS OF EXPOSED AREAS AT ONE TIME. WEATHER CONDITIONS TO BE ASSESSED PRIOR TO UNDERTAKING STRIPPING.
2. COMMUNICATION OF EMP REQUIREMENTS: ALL PERSONNEL ON SITE INCLUDING SUBCONTRACTORS ARE TO BE INDUCTED ON THE REQUIREMENTS OF THE E.M.P. THE E.M.P. IS TO BE DISPLAYED ON THE SITE SHED WALL AND REGULAR TOOLBOX MEETINGS HELD TO REINFORCE REQUIREMENTS.	5. INFORMING RESIDENTS WHERE WORKS MAY IMPACT ADVERSELY ON ADJOINING RESIDENTS, THE CONTRACTOR SHALL PROVIDE 3 DAYS PRIOR NOTICE EITHER BY SIGNAGE OR LETTER DROP.
3. INSPECTIONS AND MAINTENANCE: ENVIRONMENTAL PROTECTION MEASURES ARE TO BE INSPECTED BY THE CONTRACTOR A MINIMUM OF 2 TIMES PER WEEK AND PRIOR TO AND AFTER ANY STORM EVENT. ANY DEFICIENCIES IN PROTECTION MEASURES ARE TO BE RECORDED AND RECTIFIED WITHIN 24 HOURS OF IDENTIFICATION.	6. ASSOCIATED DOCUMENTS THE CONTRACTOR SHALL MAINTAIN DOCUMENTATION INCLUDING BUT NOT LIMITED TO RECORDS OF INSPECTION OF PROTECTION MEASURES, IDENTIFICATION AND RECTIFICATION OF DEFICIENCIES, INCIDENT REPORTS, INDUCTION CHECKLISTS, MINUTES OF TOOLBOX MEETINGS, EMERGENCY PROCEDURES, ETC.

**NOISE** **RISK: LOW**  
REQUIREMENT: EPA VICTORIA AND COUNCIL REQUIREMENTS MUST BE ADHERED TO LEVEL OF NOISE AND WORKING HOURS, TO ENSURE THAT RESIDENTS AND OTHER APPLICABLE NEIGHBORS TO THE SITE ARE NOT DISTURBED UNREASONABLY. THE GENERATION OF NOISE MUST BE MINIMISED.

7. WORKING HOURS: 7.30AM TO 4.00PM MON-FRI 7.30AM TO 12.00PM SAT. PLEASE NOTE THAT ON SATURDAYS - ANY NOISY ACTIVITY TO BE RESTRICTED ON SITE PRIOR TO 9AM, DUE TO CLOSE PROXIMITY TO RESIDENTS.	8. NOISE MINIMISATION METHODS: • PLANT AND EQUIPMENT ARE TO BE TESTED TO ENSURE THAT NOISE LEVELS UNDER NORMAL WORKING CONDITIONS COMPLY WITH EPA REGULATIONS. • LOCATE WORKS THAT MAY GENERATE NOISE AS FAR AWAY FROM NEIGHBOURS AS POSSIBLE • SCHEDULE NOISY ACTIVITIES FOR THE LEAST SENSITIVE TIMES OF DAY.	9. OTHER:
---	--	-----------

**DUST** **RISK: MEDIUM**  
REQUIREMENT: DUST GENERATION MUST BE MINIMISED TO ENSURE THERE IS NO HEALTH RISK OR LOSS OF AMENITY.

10. MINIMISING DUST GENERATION: CONSTANT TRAVELLING OF MACHINERY AND TRUCKS THROUGH THE WORK SITE DURING DRY WINDY DAYS WILL RESULT IN DUST. ANY ACTIVITY INVOLVING THE HANDLING AND MOVING OF SOIL SHALL BE RESTRICTED ON DRY WINDY DAYS, ESPECIALLY SHOULD THE WIND BE BLOWING FROM THE NORTH WEST. AVOID STRIPPING LARGE AREAS AT ONCE. CONSIDER STRIPPING IN STAGES WHERE POSSIBLE.	12. CONTINGENCIES: • ANY WORK INVOLVING THE HANDLING AND MOVING OF SOIL SHALL BE RESTRICTED ON DRY WINDY DAYS. WEATHER FORECASTS SHALL BE ASSESSED PRIOR TO UNDERTAKING STRIPPING. • STOP WORK IF DUST GENERATED FROM CONSTRUCTION SITE REACHES NEIGHBOURING AREAS OR PROPERTIES, IF VISIBILITY IS AFFECTED ON ADJOINING ROADS OR IF DUST ON THE WORK SITE IS A RISK TO OCCUPATIONAL HEALTH. • IN THE EVENT THERE IS ANY DELAY IN CONTINUATION OF WORKS, STRIPPED AREAS ARE TO BE SPRAYED WITH DUST SURFACTANT/SUPPRESSANT OR HYDRO-SEEDED TO MINIMISE DUST.	13. OTHER:
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**EROSION AND SEDIMENT** **RISK: MEDIUM**  
REQUIREMENT: EROSION AND SEDIMENT MUST BE MANAGED IN ACCORDANCE WITH CURRENT BEST PRACTICE ENVIRONMENTAL MANAGEMENT PRACTICES, TO PREVENT SEDIMENT-LADEN WATER FROM ENTERING ANY DRAINAGE SYSTEM OR NATURAL WATERWAY.

14. DRAINAGE MANAGEMENT: • OUTLET DRAINS ARE TO BE PROTECTED BY SILT FENCES AND GRAVEL SAUSAGE FILTERS PLACED UPSTREAM OF OUTLET POINTS. • SITE RUNOFF SHALL BE DIVERTED AWAY FROM EXPOSED SURFACES, BATTERS OR STOCKPILES. • COUNCIL DOES NOT RECOMMEND THE USAGE OF HAY BALES, PLEASE USE ALTERNATE SEDIMENT CONTROL. • ANY CONTAMINATED FLOW GENERATED ON SITE TO BE DIVERTED TO A SEDIMENT TRAP OR SETTLEMENT TREATMENT PRIOR TO RELEASE FROM SITE OR INTO RECEIVING WATERS.	18. SEDIMENT TRAPS: SEDIMENT RUN-OFF CONTROLS AND DRAINAGE AROUND ALL CONSTRUCTION AREAS MUST BE ESTABLISHED PRIOR TO THE COMMENCEMENT OF ANY BUILDING OR WORKS. ALL SEDIMENT CONTROL MEASURES, INCLUDING RUMBLE GRIDS, MUST BE MAINTAINED AND KEEP INTACT FOR THE DURATION OF THE WORKS (INCLUDING REINSTATEMENT PERIOD) AND INSPECTED REGULARLY INCLUDING PRIOR TO AND AFTER RAIN EVENTS TO ENSURE THEY ARE FUNCTIONING PROPERLY.	27. REFUELLING PROCEDURE: REFUELLING TO BE CARRIED OUT AWAY FROM AREAS OF ENVIRONMENTAL SENSITIVITY, AT NOMINATED REFUELLING ZONE. NO REFUELLING TO OCCUR WITHIN MINIMUM 10m OF ANY DRAINAGE INLET, OPEN DRAIN, WETLAND, WATERWAY OR AREA OF PROTECTION (E.G. CONSERVATION AREAS, TREE PROTECTION ZONES AND RECREATION INFRASTRUCTURE). DRAIN SEALS TO BE IN PLACE PRIOR TO REFUELLING. ALL REFUELLING AND OTHER HAZARDOUS MATERIALS USE TO ONLY OCCUR WITHIN APPROPRIATE BUNDED OR PORTABLE SEALED BUNDED AREA.
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15. SOIL STABILISATION:  
NATURE STRIPS, BATTERS AND OTHER DISTURBED SURFACES SHALL BE TOPSOILED, SEEDED AND CULTIVATED TO ESTABLISH A CONSISTENT GRASS COVER. GRADING, EXCAVATION AND CONSTRUCTION MUST NOT PROCEED DURING PERIODS OF HEAVY RAINFALL.

16. STOCKPILE PROTECTION:  
SEDIMENT RETENTION STRUCTURES TO BE PLACED DOWNSLOPE OF ANY STOCKPILE. STOCKPILES IN PLACE > 28 DAYS TO BE TEMPORARILY GRASSED.  
GENERALLY THERE WILL BE NO MATERIAL STOCKPILED. HOWEVER IF MATERIAL IS STOCKPILED IT SHOULD BE PLACED BY SUPERINTENDENTS DIRECTION ON SITE. STOCKPILE BATTERS TO HAVE SLOPES NO GREATER THAN 1:3.

17. VEHICLE AND ROAD MANAGEMENT:  
• SITE ACCESS TO BE RESTRICTED TO ALLOCATED TRUCK ROUTES. EXTERNAL ROADS TO BE SWEEP REGULARLY FOR THE DURATION OF WORKS.  
• INSTALL RUMBLE STRIPS (OR OTHER ACCEPTABLE MEASURE) NEAR SITE ACCESS POINT TO MINIMISE CARRIAGE OF MUD AND DIRT ONTO ROADS. RUMBLE GRIDS AND LARGE GRANULAR MATERIAL (BALLAST ROCK) AT LEAST TWO VEHICLE LENGTHS MUST BE INSTALLED AT ACCESS POINT.  
• AT LEAST TWO VEHICLE LENGTHS OF RUMBLE GRIDS AND BALLAST ROCK MUST BE INSTALLED AT ACCESS POINT. RUMBLE GRID AND BALLAST ROCK TO BE MAINTAINED REGULARLY TO ENSURE EFFECTIVENESS. PLEASE UPDATE ON SITE PLAN. CRUSHED ROCK TO BE INSTALLED FOR INTERNAL HAUL ROADS AND STABILISED ACCESS AREA/SITE COMPOUND.  
• EXISTING AND FINISHED ROADS TO BE INSPECTED REGULARLY AND ANY SEDIMENTS DEPOSITED THERE TO BE FULLY REMOVED UNTIL THE END OF THE MAINTENANCE PERIOD. ROADS ARE TO BE CLEANED PRIOR TO ANY RAINSTORM EVENTS.

19. DE-WATERING:  
IF THERE ARE NO SUITABLE VEGETATED AREAS, TREATMENT OF SEDIMENT LADEN WATER IS REQUIRED BEFORE DISCHARGING RUNOFF TO A NATURAL WATERWAY OR STORM WATER SYSTEM, WHERE TURBIDITY EXCEEDS 30 NTU AND IS HIGHER THAN UPSTREAM MEASUREMENTS. HOURLY MEASUREMENTS OF DISCHARGE WATER QUALITY TAKEN.

20. OTHER: STORMWATER DRAINAGE & OUTFALL  
GRAVEL SAUSAGE FILTERS WRAPPED IN GEOFABRIC MATERIAL SHOULD BE PLACED INSIDE ALL SIDE ENTRY PITS AND IN FRONT OF THEIR INLET, TO FORM A TEMPORARY SEDIMENT TRAP AND FILTRATION SYSTEM.

**WASTE** **RISK: LOW**  
REQUIREMENT: LITTER AND WASTE MUST BE CONTAINED ON SITE, BEFORE DISPOSAL IN A RESPONSIBLE MANNER. WASTE GENERATION MUST BE MINIMISED.

21. MOVEMENT OF SOIL: ON SITE CONTAMINANT STATUS: CLEAN FILL	23. WASTE MINIMISATION METHODS: ALL SAFETY AND CONTROLLING APPARATUS USED ON SITE DURING THE WORKS SHALL BE COLLECTED AND RE-USED ON OTHER PROJECTS. THE COLLECTION OF TIMBER SURVEY PEGS AND OTHER MATERIALS SUCH AS PVC CONDUITING MAY BE RE-USED. SEPARATE RECYCLABLE WASTE AND MATERIALS FROM GENERAL WASTE FOR RECYCLING. RECYCLING BINS TO BE CLEARLY MARKED TO AVOID CONTAMINATION OF RECYCLABLE MATERIALS.
22. WASTE STORAGE AND DISPOSAL: GARBAGE BINS NEED TO BE MADE VISIBLE AND PLACED IN THE SITE WORK HUTS. ALL LITTER GENERATED FROM MEAL BREAKS NEEDS TO BE DISPOSED IN THE BINS PROVIDED. WASTE WILL BE GENERATED BY LEFT OVER MATERIAL SUPPLIES USED ON THIS SITE. ALL LEFT OVER SUPPLIES SHALL BE GATHERED AND PLACED IN A NOMINATED AREA WITHIN THE COMPOUND FOR PROPER DISPOSAL. ANY MATERIAL WHICH CAN BE RE-USED SHALL BE NEATLY STACKED. REMOVAL OF WASTE SHALL BE CONDUCTED AS REQUIRED. ENSURE BINS HAVE LIDS TO PREVENT WASTE BLOWING AWAY. CONTAIN ALL WASTE MATERIAL ON SITE IN ACCORDANCE WITH REGULATORY REQUIREMENTS. ADHERE TO REGULATORY REQUIREMENTS FOR WASTE DISPOSAL.	24. OTHER: WORKSITES ARE TO BE FREE OF LITTER. ANY LITTER VISIBLE ON SITE TO BE COLLECTED DAILY.

**LEGEND**

	EXISTING SURFACE CONTOUR (MAJOR)
	EXISTING SURFACE CONTOUR (MINOR)
	KERB AND CHANNEL (AS SHOWN)
	STAGE BOUNDARY
	TRUCK HAUL ROUTE
	SITE PERIMETER FENCE
	DIRECTION OF OVERLAND FLOW
	EXISTING TREE
	EXISTING TREE TO BE REMOVED
	EXISTING FEATURES TO BE REMOVED
	PROPOSED STORMWATER DRAIN, PIT AND DIAMETER
	EXISTING STORMWATER DRAIN, PIT AND DIAMETER
	SEDIMENTATION FENCE
	SAUSAGE FILTER
	SILT FENCE DROP INLET FILTER
	SILT FENCE UNDER GRATE
	RUMBLE STRIP
	PROPOSED STOCKPILE LOCATION

THIS PLAN IS TO BE USED AS A BASE FOR THE SITE CONTRACTOR TO PROVIDE OWN DETAILS OF THEIR SPECIFIC ENVIRONMENTAL MANAGEMENT RELATED TO THEIR WORK.

**WARNING**  
EXTERNAL APPROVAL  
THIS DRAWING IS SUBJECT TO THE APPROVAL OF WYNDHAM CITY COUNCIL AND IS A PRELIMINARY ISSUE  
COUNCIL REFERENCE WYP9651/16

**GENERAL NOTES**  
REFER TO EPA'S "ENVIRONMENTAL GUIDELINES FOR MAJOR CONSTRUCTION SITES" AND "CONSTRUCTION TECHNIQUES FOR SEDIMENT POLLUTION CONTROL". THE FOLLOWING ARE SUGGESTED MEASURES TO BE INCLUDED IN THE ENVIRONMENTAL MANAGEMENT PLAN. THE SCALE AND COST OF MEASURES NEEDS TO BE COMMENSURATE WITH THE RISKS TO THE SURROUNDING ENVIRONMENT AND OBJECTIVES OF PROTECTING RECEIVING WATERS AND ITS BENEFICIARIES. THIS INFORMATION SHOULD BE READ IN CONJUNCTION WITH THE TABLE ABOVE.

**CHEMICALS** **RISK: LOW**  
REQUIREMENT: STORAGE AND SPILL MANAGEMENT PRACTICES MUST BE IMPLEMENTED TO ENSURE NO ENVIRONMENTAL DAMAGE CAN RESULT FROM THE ESCAPE OR SPILLAGE OF CHEMICALS OR FUELS.

25. STORAGE:  
NO FUEL OR OILS TO BE STORED ON SITE. ACCREDITED TANKER ONLY.  
ALL CHEMICALS SHALL BE EITHER STORED WITHIN THE COMPOUND OR INDIVIDUAL SUB CONTRACTORS SHALL STORE THEM IN THEIR VEHICLES. CHEMICALS AS SUCH WILL BE IN THE FORM OF ENGINE OIL AND DIESEL. QUANTITIES WILL BE MINIMAL. ALL FUELS, OILS, CHEMICALS AND OTHER HAZARDOUS MATERIALS TO BE STORED IN APPROPRIATE DESIGNATED AREA.

26. SPILL MANAGEMENT:  
THE CONTRACTOR SHALL ENSURE ALL PERSONNEL ARE TRAINED IN SPILL MANAGEMENT AND THAT ALL NECESSARY EQUIPMENT IS READILY AVAILABLE. ALL SPILLS TO BE CLEANED IMMEDIATELY TO AVOID CONTAMINATION OF THE SOIL OR WATER COURSE. ALL SPILLS TO BE REPORTED TO THE SUPERINTENDENT. SHOULD AND SOIL BECOME CONTAMINATED FROM A SPILL, THE AREA OF AFFECTED SOIL IS TO BE REMOVED AND DISPOSED OF AT AN APPROPRIATE EPA LANDFILL LICENSED TO RECEIVE THE WASTE TYPE. THE EXTENT OF SOIL CONTAMINATION TO BE ASSESSED, CLASSIFIED AND REMOVED IN ACCORDANCE WITH RELEVANT AUTHORITY GUIDELINES. SPILL KITS PLACED AND CLEARLY MARKED THROUGHOUT THE WORK SITE.

**SIGNIFICANT FLORA/FAUNA** **RISK: LOW**  
REQUIREMENT: ALL SIGNIFICANT FLORA AND FAUNA ON AND ADJACENT TO THE SITE MUST BE PROTECTED.

29. YES DETAILS:  
EXISTING TREES ARE TO BE RETAINED AND PROTECTED UNLESS OTHERWISE SHOWN. SITE MUST BE KEPT FREE FROM ALL TARGET WEEDS FOR THE DURATION OF WORKS AND THE REINSTATEMENT AND MAINTENANCE PERIOD. TARGET WEEDS INCLUDE ALL NOXIOUS WEED SPECIES AND HIGHLY INVASIVE WEEDS INCLUDING CHILEAN NEEDLE GRASS, CANE NEEDLE GRASS, GALENIA, BRASSICA SPECIES AND THISTLE SPECIES.

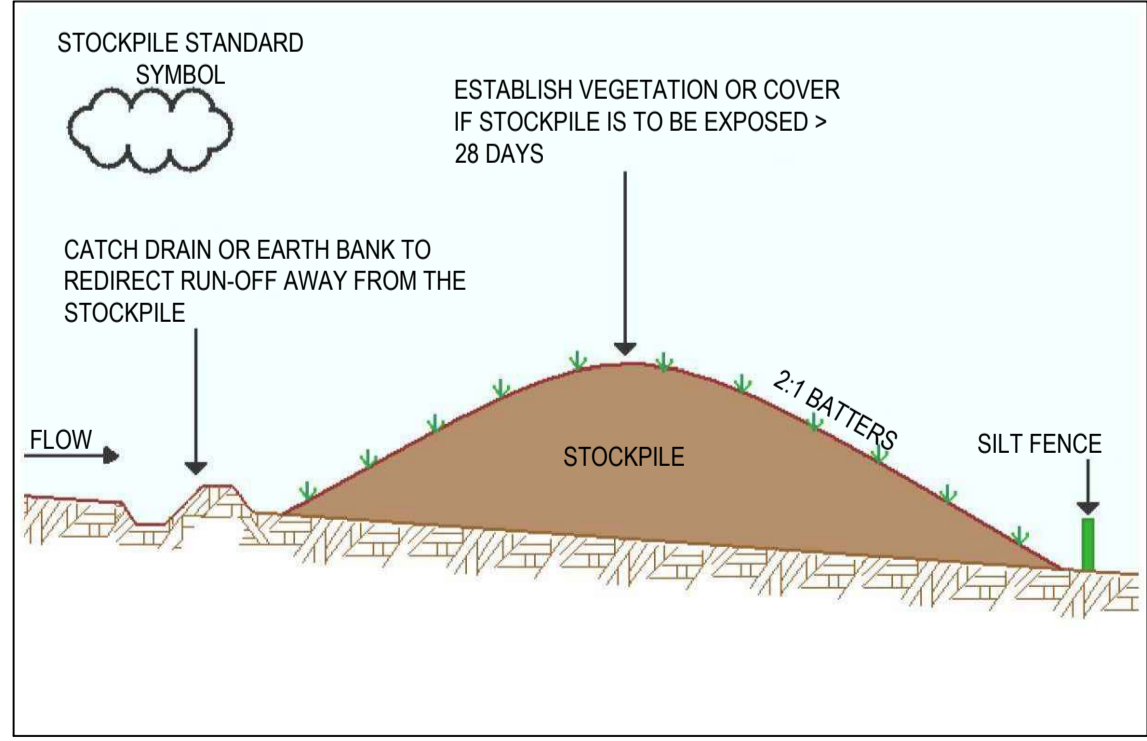
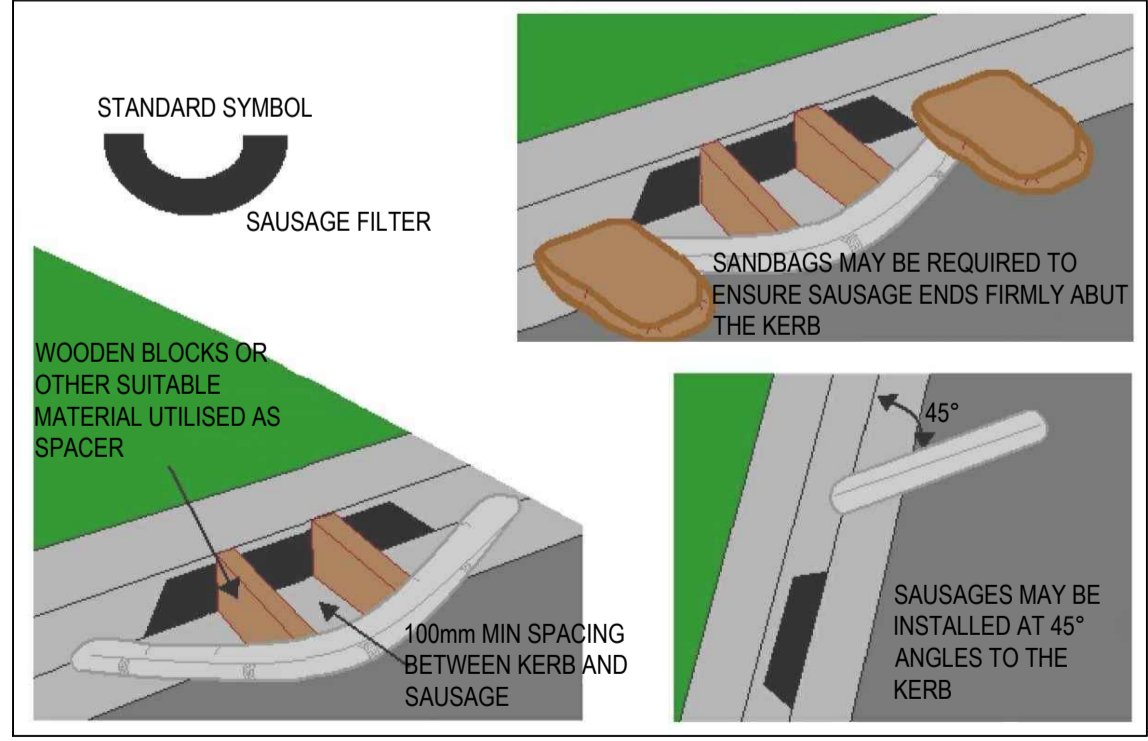
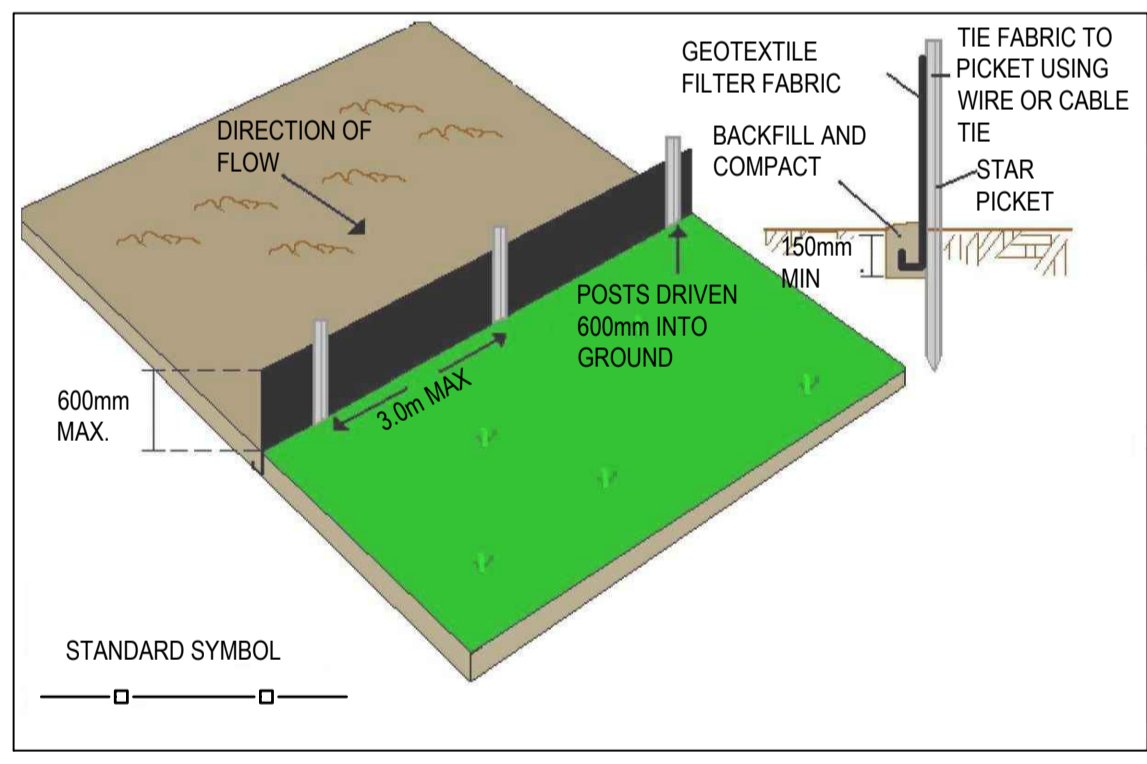
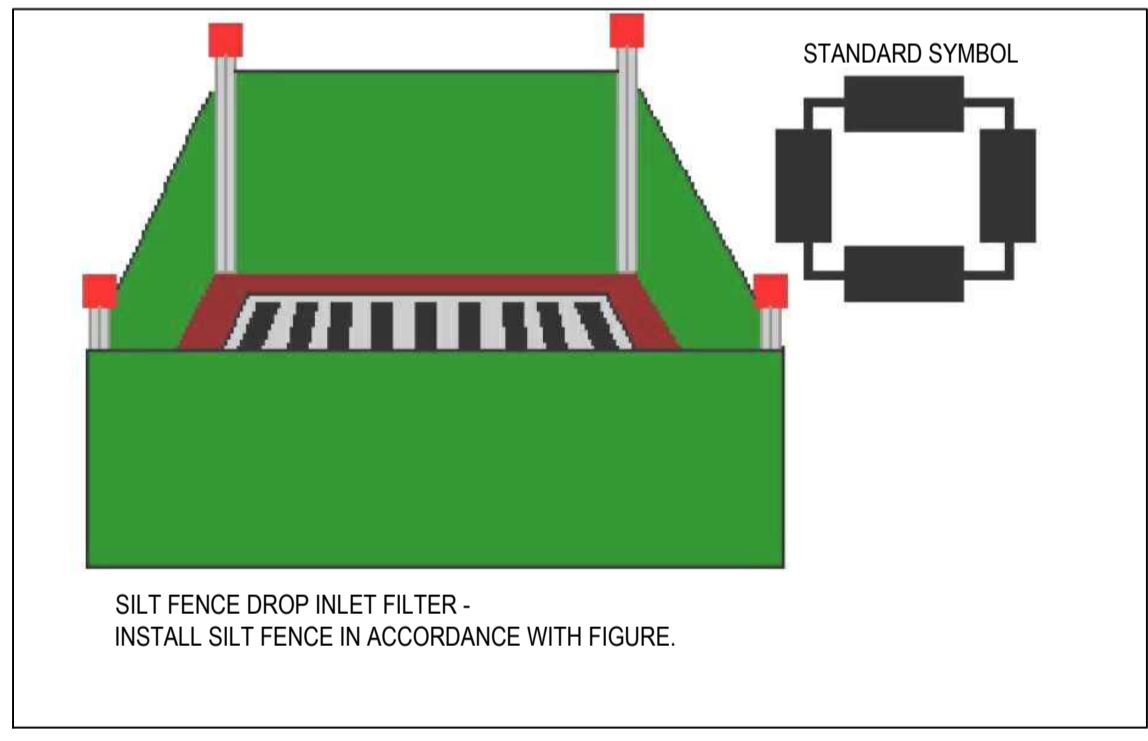
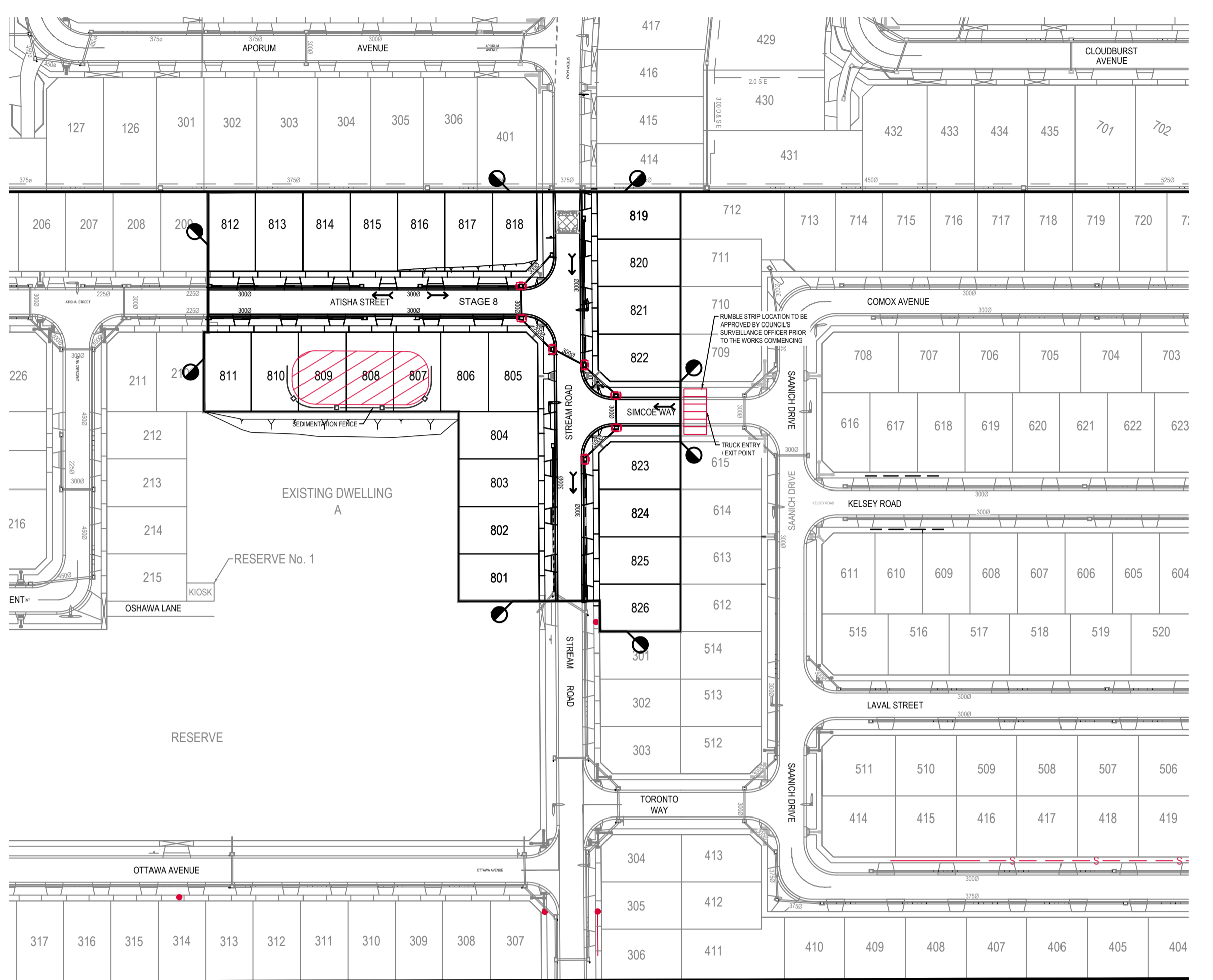
30. VEGETATION REMOVAL:  
ANY VEGETATION REMOVAL MUST BE IN ACCORDANCE WITH PERMIT/PSF. SUITABLY QUALIFIED WILDLIFE RESCUE/ANIMAL HANDLERS MUST BE PRESENT DURING THE REMOVAL OF TREES, NATIVE VEGETATION AND OTHER POTENTIAL ANIMAL HABITAT.

**ARCHAEOLOGICAL/HERITAGE** **RISK: LOW**  
REQUIREMENT: PLACES, SITES AND OBJECTS OF ARCHAEOLOGICAL OR HERITAGE SIGNIFICANCE MUST BE PROTECTED. SHOULD ANY ARTEFACTS BE UNCOVERED DURING THE PROCESS OF THE WORKS THE SUPERINTENDENT MUST BE CONTACTED IMMEDIATELY AND RELEVANT PROCEDURES IDENTIFIED IN THE MANAGEMENT PLAN FOLLOWED.

**OTHER** **RISK: HIGH/MEDIUM/LOW**

**OTHER** **RISK: HIGH/MEDIUM/LOW**

**OTHER** **RISK: HIGH/MEDIUM/LOW**  
I HAVE READ THIS ENVIRONMENTAL MANAGEMENT PLAN AND AGREE TO UNDERTAKE WORKS AND ENSURE SUB-CONTRACTORS UNDERTAKE WORKS IN ACCORDANCE WITH THIS PLAN.



Drawn	N. WHITE	Date	14.09.2023
Checked		Date	
Designed	B. ZHENG	Date	14.09.2023
Verified	N. GLASSON	Date	14.09.2023
Approved		Date	
	N. GLASSON	Date	14.09.2023

A	14/11/2023	ISSUED FOR CONSTRUCTION	B.Z.	N.G.	N.G.
Rev.	Date	Description	Des.	Verif.	Appd.

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Project **PARKLANE GARDENS - STAGE 8**  
504-530 BALLAN ROAD, WYNDHAM VALE  
WYNDHAM CITY COUNCIL  
Title **CIVIL SITEWORKS**  
ENVIRONMENTAL MANAGEMENT PLAN

Status **FOR CONSTRUCTION**  
Datum **A.H.D.** Melway Ref **233 J12** Scale **N.T.S.** Size **A1**  
Drawing Number **V220425-CI-1500** Revision **A**











