

APSLEY RECREATION RESERVE, APSLEY - RECONSTRUCTION WORKS OF EXISTING COURTS TO TWO NEW MULTI PURPOSE NETBALL/TENNIS COURTS AND ONE TENNIS COURT.

WEST WIMMERA SHIRE COUNCIL

REGISTERED PROFESSIONAL ENGINEER (CIVIL)
Registration No. PE0008721

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Bachelor of Engineering (Civil)

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FINAL

ISSUED FOR CONSTRUCTION



WARNING

UNDERGROUND SERVICES

The location of underground services are not shown on plans and should be verified on site prior to commencement of any works

				DESIGNED:	DATE:	22-08-2022		CLIENT: 	PROJECT: APSLEY RECREATION RESERVE, APSLEY - PROPOSED REDEVELOPMENT WORKS OF EXISTING COURTS - 2 MULTI PURPOSE NETBALL/TENNIS & 1 TENNIS COURT	CIVIL DRAWINGS	
				DRAWN:	SHEET SIZE:	A3				DRAWING TITLE: 2226-01	
1	COURTS SHIFTED TO THE WEST	G.DEVENISH	24.07.23	CHECKED:	G. DEVENISH	SCALE: NOT TO SCALE				DRAWING INDEX & LOCALITY PLAN	
0	ISSUED FOR CONSTRUCTION	G.DEVENISH	21.06.23	APPROVED:	G. DEVENISH					SHEET: 1 of 38	REVISION: 1
A	ISSUED FOR COMMENTS	G.DEVENISH	29.08.22								

STANDARD NOTES:

1. ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE CONSTRUCTION DRAWINGS, COUNCIL STANDARD DRAWINGS, SPECIFICATIONS AND TO THE SATISFACTION OF COUNCIL'S SUPERVISING OFFICER OR HIS/HER APPOINTED REPRESENTATIVE.
2. COUNCIL TO BE NOTIFIED SEVEN (7) CLEAR DAYS PRIOR TO COMMENCEMENT OF WORKS.
3. ALL LEVELS SHOWN ARE TO A.H.D.
4. PRIOR TO COMMENCEMENT OF WORKS ON SITE, THE CONTRACTOR MUST ENSURE THAT ALL MATTERS RELATING TO THE OCCUPATIONAL HEALTH & SAFETY ACT 2004, INCLUDING ALL RELEVANT REGULATIONS, HAVE BEEN ADDRESSED. IN PARTICULAR, PREVENTION OF FALLS AND PLANT, DETAILS OF THE CONTRACTORS SITE MANAGEMENT PLAN INCLUDING OCCUPATIONAL HEALTH AND SAFETY PROCEDURES MUST BE LODGED WITH THE COUNCIL PRIOR TO COMMENCEMENT OF WORKS.
5. ON COMMENCEMENT OF CONSTRUCTION WORKS ON SITE, THE CONTRACTOR MUST COMPLY WITH THE RECOMMENDATIONS OF THE ENVIRONMENT PROTECTION AUTHORITY PUBLICATION "CONSTRUCTION TECHNIQUES FOR SEDIMENT POLLUTION CONTROL" (PUBLICATION NO 275).
APPROPRIATE SILTATION CONTROL IS TO BE CARRIED OUT DURING THE CONSTRUCTION AND MAINTENANCE PERIOD.
6. NO EXCAVATION SHALL BE CARRIED OUT WITHIN THE CANOPY DRIP LINE OR 5.0M, WHICHEVER IS GREATER OF ANY EXISTING TREE UNTIL APPROVAL HAS BEEN GIVEN BY COUNCIL'S SUPERVISING OFFICER OR HIS/HER APPOINTED REPRESENTATIVE.
7. A TEMPORARY 1.8m CONSTRUCTION HIGH POST & WIRE FENCE SHALL BE ERECTED AND MAINTAINED AROUND EXISTING TREES, NOMINATED TO BE RETAINED AS PER A TREE PROTECTION ZONE (TPZ) CONDITION, AT ALL TIMES DURING CONSTRUCTION. UNDER NO CIRCUMSTANCES SHALL SITE SHEDS, VEHICLES, MACHINERY AND EQUIPMENT BE STORED OR PLACED WITHIN FENCED ZONE OF THESE TREES.
8. THE CONTRACTOR SHALL TO THE SATISFACTION OF THE CONSULTING ENGINEER AND COUNCIL'S REPRESENTATIVE PROVIDE AND MAINTAIN ALL NECESSARY WARNING SIGNAGE, LIGHTING AND BARRICADING TO COMPLY WITH THE REQUIREMENTS OF THE ROAD MANAGEMENT ACT.
9. THE LOCATION OF EXISTING SERVICES SHOULD BE DETERMINED BY THE CONTRACTOR PRIOR TO COMMENCING ANY EXCAVATION BY CARRYING OUT A DBYD AND CONTACTING ALL RELEVANT SERVICE AUTHORITIES AND/OR THEIR AGENTS. ANY EXISTING SERVICES SHOWN ON THE DRAWINGS ARE OFFERED AS A GUIDE ONLY AND ARE NOT GUARANTEED AS CORRECT.
10. SERVICE TRENCHES WITHIN THE ROAD RESERVE MUST BE BACKFILLED AS SPECIFIED BELOW, TO A DRY DENSITY NOT LESS THAN 97% OF THE MAXIMUM FOUND IN THE STANDARD COMPACTION TEST FOR THE FOLLOWING:

i. SERVICE TRENCHES BENEATH THE ROAD PAVEMENT, FOOTPATH OR DRIVEWAY CROSSOVER, TO THE UNDERSIDE OF THE PAVEMENT OR CROSSOVER BEDDING WITH 20MM CLASS 3 FCR WITH 3% CEMENT ADDITIVE.

ii. DRAINAGE PIPES ADJACENT TO KERBING OR CONCRETE STRUCTURES WITH 20MM CLASS 4 FCR TO A LEVEL THAT IS NOT AFFECTED BY A 45 DEGREE ANGLE OF REPOSE FROM THE NEAR LOWER EDGE OF SUCH STRUCTURE, OTHERWISE TO FULL DEPTH.
12. ALL EXCAVATIONS OF A DEPTH 1.5M OR GREATER MUST COMPLY WITH WORKCOVER VICTORIA. A "NOTICE OF INTENTION TO EXCAVATE..." FORM MUST BE SUBMITTED TO WORKCOVER 3 DAYS PRIOR TO THE WORK EXCAVATIONS.

CALL 1800 136 089 TOLL FREE

OR 03) 9641 1444 TO OBTAIN FORM.

FAX FORM/S TO: 03) 9565 9400

OR 9941 0555.

13. ALL CONCRETE TO BE USED IN THE CONTRACT WORKS SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 25 MPA AT 28 DAYS.

14. ALL DRAINAGE PIPES ARE TO BE REINFORCED CONCRETE CLASS 2 RUBBER RING JOINTED AS A MINIMUM UNLESS OTHERWISE APPROVED. ALL PVC PIPES TO BE CLASS SH UNLESS OTHERWISE APPROVED.

15. 90mm DIA. AGRICULTURAL PIPE DRAINS TO BE PLACED BEHIND ALL KERB AND CHANNEL ON 20MM AGGREGATE BEDDING, 200MM BELOW SUBGRADE, AT GRADE AND WHERE DIRECTED BY THE CONSULTING ENGINEER.

16. MINIMUM COVER TO OBVERT OF DRAINAGE PIPES SHALL BE 300MM IN EASEMENTS AND 500MM IN ROAD RESERVES, EXCEPT WHERE PIPE CLASS '4' WILL BE INSTALLED.

17. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED USING APPROVED CLAY FILL AND THEN TOPSOIL REPLACED TO OBTAIN FINAL FILL LEVELS AS SHOWN ON PLANS. ALL FILLING TO BE CARRIED OUT IN 150MM LAYERS AND COMPACTED TO 95% OF MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 3798-2007: GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS. ON COMPLETION AND AT THE DIRECTION OF COUNCIL OFFICER THE CONTRACTOR SHALL PRESENT A "LEVEL 1" TYPED REPORT NOMINATING THE EXTENT OF FILL PLACED. IT'S CONFORMANCE WITH THE SPECIFICATION AND ITS CLASSIFICATION AS "CONTROLLED FILL". IF ANY SUBSTANDARD FILLING IS ENCOUNTERED ON THE SITE IT MUST BE REMOVED AND REPLACED WITH APPROVED FILL MATERIAL PROPERLY COMPACTED TO COUNCIL REQUIREMENTS. A GEO-TECHNICAL REPORT MUST BE SUBMITTED SHOWING DETAILS OF DEPTH, TYPE OF MATERIAL AND DENSITY OF THE FILL AREAS CONCERNED.

18. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL IMPORTED FILL MATERIAL, INCLUDING TOPSOIL, SATISFIES THE DESCRIPTION FOR CLEAN FILL MATERIAL IN EPA BULLETIN PUBLICATION NO. 448 (SEPT '95) AND SUBSEQUENT REVISIONS. THE CONTRACTOR SHALL PROVIDE VERIFICATION INCLUDING TEST CERTIFICATES TO THE SUPERVISING ENGINEER.

19. BATTERS SHALL BE 1 IN 6 MINIMUM UNLESS OTHERWISE APPROVED AND COVERED AND SMOOTHED WITH MINIMUM OF 100MM TOPSOIL.

20. ROAD PAVEMENTS ARE TO HAVE A MINIMUM DEPTH OF 300MM INCLUDING SURFACING.
21. OPEN SPACE RESERVES;

RESERVES TO BE EVENLY GRADED, SEEDED AND FREE DRAINING TO THE SATISFACTION OF RESPONSIBLE AUTHORITY.

DESIGN INFORMATION TO INCLUDE RETICULATED WATER SUPPLY IN U/G PIT CONFIGURATION, BOLLARDS, SEATING, PLAYGROUND EQUIPMENT AND BBQ'S ETC. WHERE REQUIRED BY THE PERMIT.

22. ALL NATURE STRIPS, EXCAVATED OR FILLED AREAS WITHIN THE ROAD RESERVE SHALL BE RESURFACED WITH A 100MM LAYER OF TOPSOIL AS SPECIFIED, FREE FROM CLAY AND STONE, EVENLY GRADED AND SEEDED TO THE SATISFACTION OF RESPONSIBLE AUTHORITY.

23. ON COMPLETION THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ALL BUILDING WASTE, RUBBISH AND SPOIL FROM THE SITE. NO SURPLUS TREES, VEGETATION OR OTHER MATERIALS IS TO BE BURNT ON SITE.

24. AS-CONSTRUCTED DATA INCLUDING ALTERATIONS DURING CONSTRUCTION ARE TO BE PROVIDED PRIOR TO ISSUE OF STATEMENT OF COMPLIANCE:

DRAWINGS ARE TO BE IN A1 AND A3 HARDCOPY AND IN AUTOCAD (2010) AND ADOBE PDF FORMATS.

25. THE FOLLOWING HOLD POINT INSPECTIONS SHALL APPLY UNTIL WORKS ARE APPROVED BY COUNCIL'S SUPERVISING OFFICER. CONSULTING ENGINEER/S TO BE PRESENT AT THESE HOLD POINTS;

1) PRE-COMMENCEMENT OF WORKS SITE MEETING.

2) SUBGRADE PROOF-ROLL PRIOR TO PLACEMENT OF SUB-BASE.

3) SUB-BASE PROOF-ROLL PRIOR TO PLACEMENT OF BASE COURSE AND TEST RESULTS.

4) BASE COURSE PROOF-ROLL PRIOR TO SEALING AND TEST RESULTS.

5) PRIOR TO TRENCH BACKFILLING;

STORM WATER DRAINAGE, INCLUDING SUBSOIL AG DRAINS, AND

PROPERTY CONNECTIONS.

6) FOOTPATH, DRIVEWAY AND KERB AND CHANNEL PRIOR TO PLACEMENT OF CONCRETE.

7) INSPECTION AT PRACTICAL COMPLETION OF THE WORKS (COMMENCEMENT OF DEFECTS LIABILITY PERIOD).

8) 2ND INSPECTION AT THE END OF 12 MONTHS (END OF DEFECTS LIABILITY PERIOD).
- LEGEND
- DR

DR

NEW STORMWATER DRAINAGE

Ex.D

Ex.D

EXISTING STORMWATER DRAINAGE

Ex.S

Ex.S

EXISTING SEWER

Ex.G

Ex.G

EXISTING GAS

Ex.T

Ex.T

EXISTING COMMS (TELSTRA)

Ex.E

Ex.E

EXISTING ELECTRICITY

Ex.W

Ex.W

EXISTING WATER

X

X

ITEMS OR SERVICES TO BE DEMOLISHED

/

/

EXISTING FENCING

—

—

—

TITLE BOUNDARY

□

□

3600mm HIGH FENCING AS PER AS1725.2-2010

○

○

1200mm HIGH FENCING AS PER AS1725.5-2010

AG

AG

AG SUBSOIL DRAIN

>

>

>

SWALE

HW

HW

HEADWALL

SEP

SEP

SIDE ENTRY PIT

GP

GP

GRATED PIT

JP

JP

JUNCTION PIT

P1

P1

PITNUMBERS

B

B

BOLLARD

X

X

INDICATES TREES PROPOSED TO BE REMOVED
- FINAL
- ISSUED FOR CONSTRUCTION
- WARNING
UNDERGROUND SERVICES
The location of underground services are not shown on plans and should be verified on site prior to commencement of any works
- | | | | | | | | | | | | | |
|---|----------------------------|------------|--|----------|-----------|-------------|--------------|---|---|---|------------------------|---------|
| | | | | | DESIGNED: | DATE: | 22-08-2022 |  | CLIENT:  | PROJECT:
APSLEY RECREATION RESERVE, APSLEY - PROPOSED REDEVELOPMENT WORKS OF EXISTING COURTS - 2 MULTI PURPOSE NETBALL/TENNIS & 1 TENNIS COURT | CIVIL DRAWINGS | |
| | | | | | DRAWN: | SHEET SIZE: | A3 | | | | DRAWING TITLE: 2226-02 | |
| 1 | COURTS SHIFTED TO THE WEST | G.DEVENISH | | 24.07.23 | CHECKED: | G. DEVENISH | SCALE: | | | | GENERAL NOTES | |
| 0 | ISSUED FOR CONSTRUCTION | G.DEVENISH | | 21.06.23 | APPROVED: | G. DEVENISH | NOT TO SCALE | | | | SHEET: | 2 of 38 |
| A | ISSUED FOR COMMENTS | G.DEVENISH | | 29.08.22 | | | | | | | | |



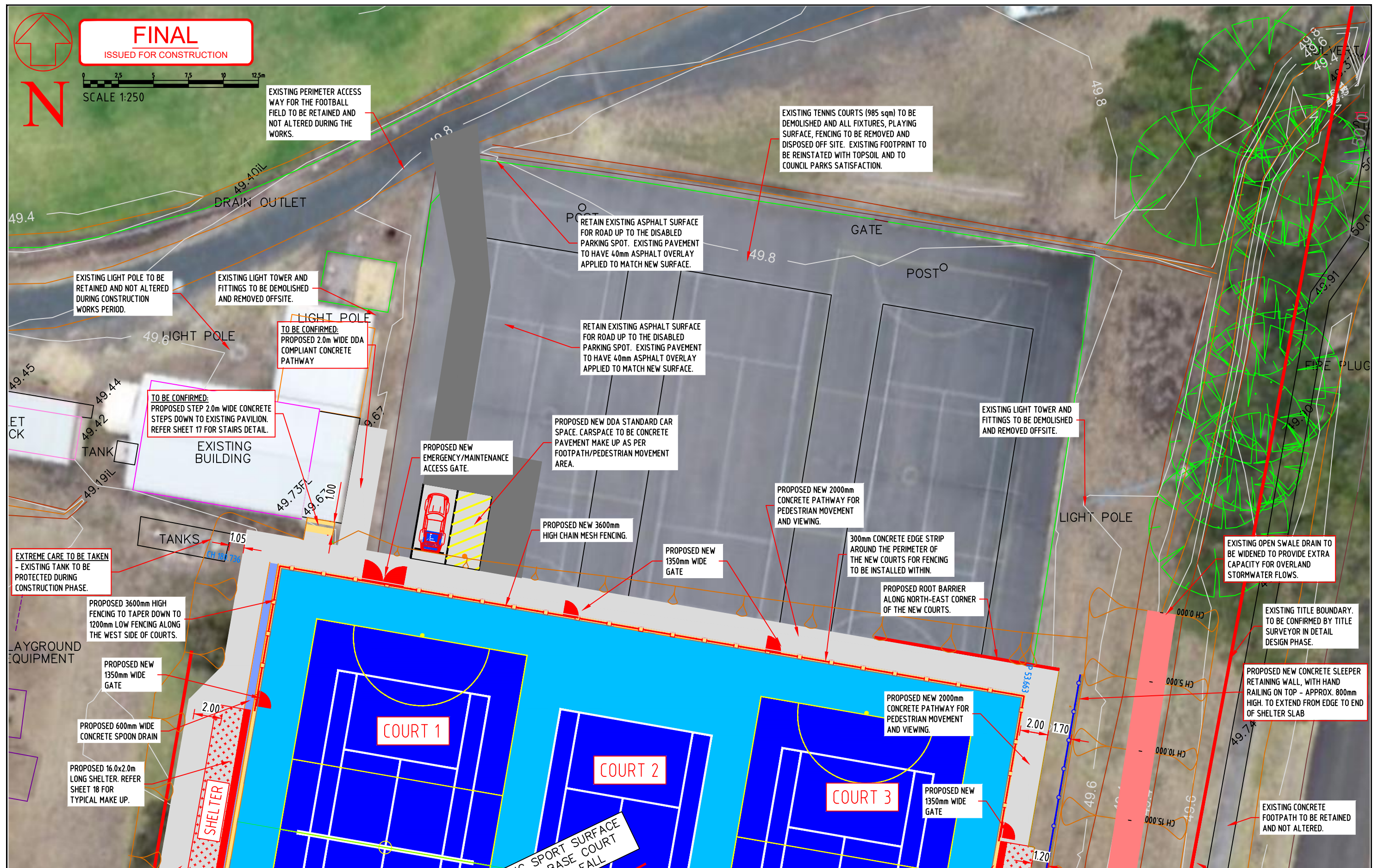
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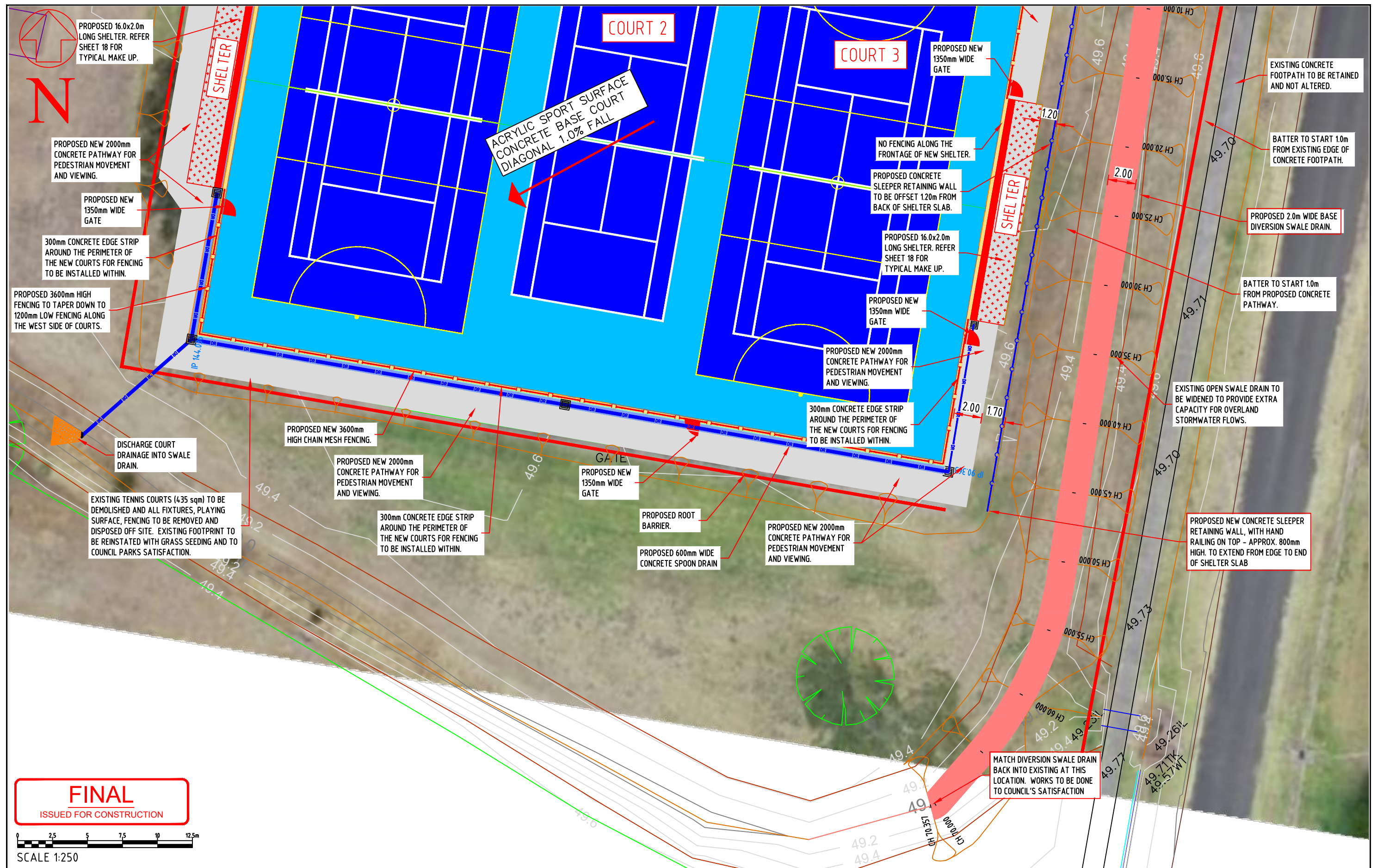


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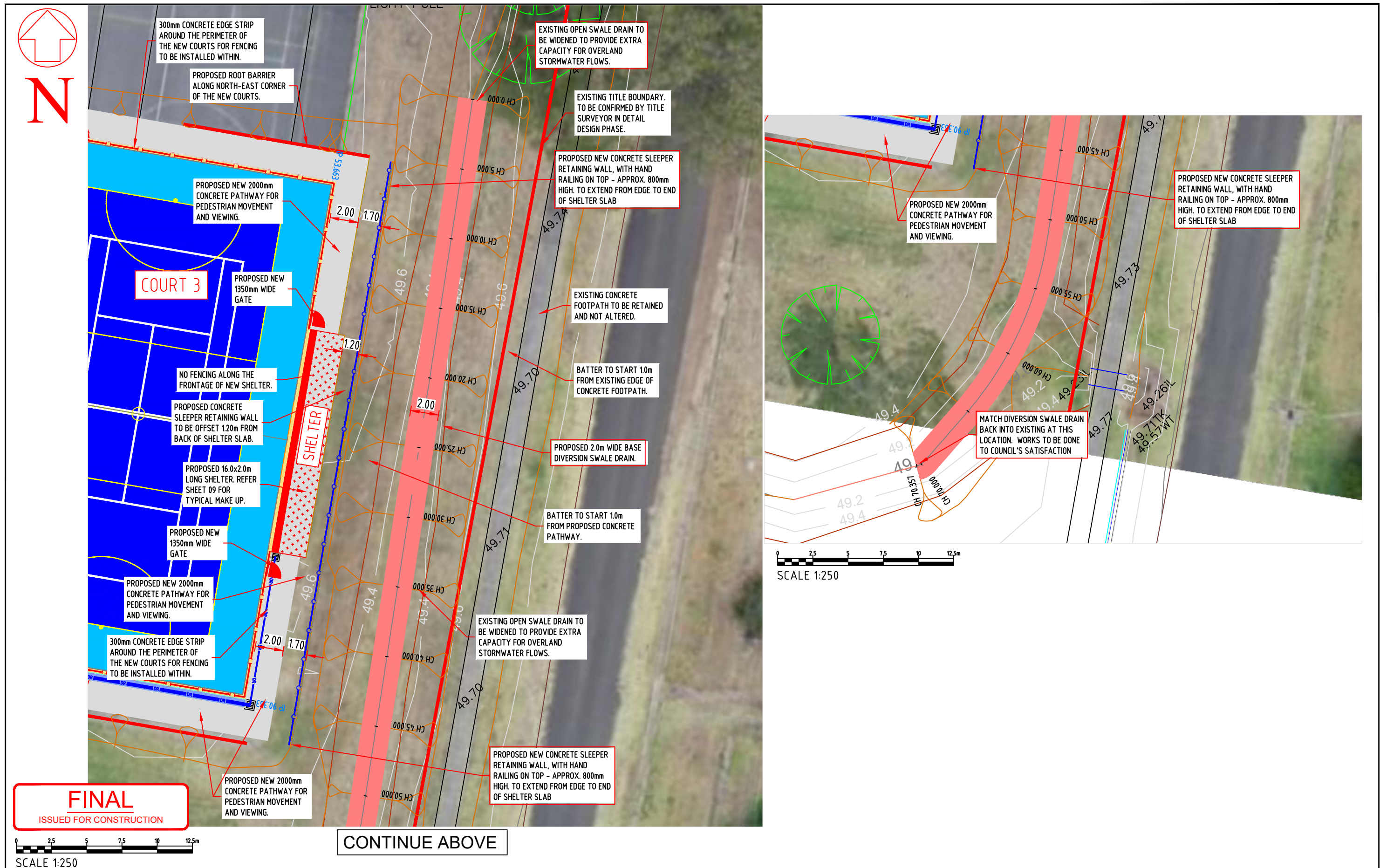
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A	ISSUED FOR COMMENTS	G.DEVENISH	29.08.22								



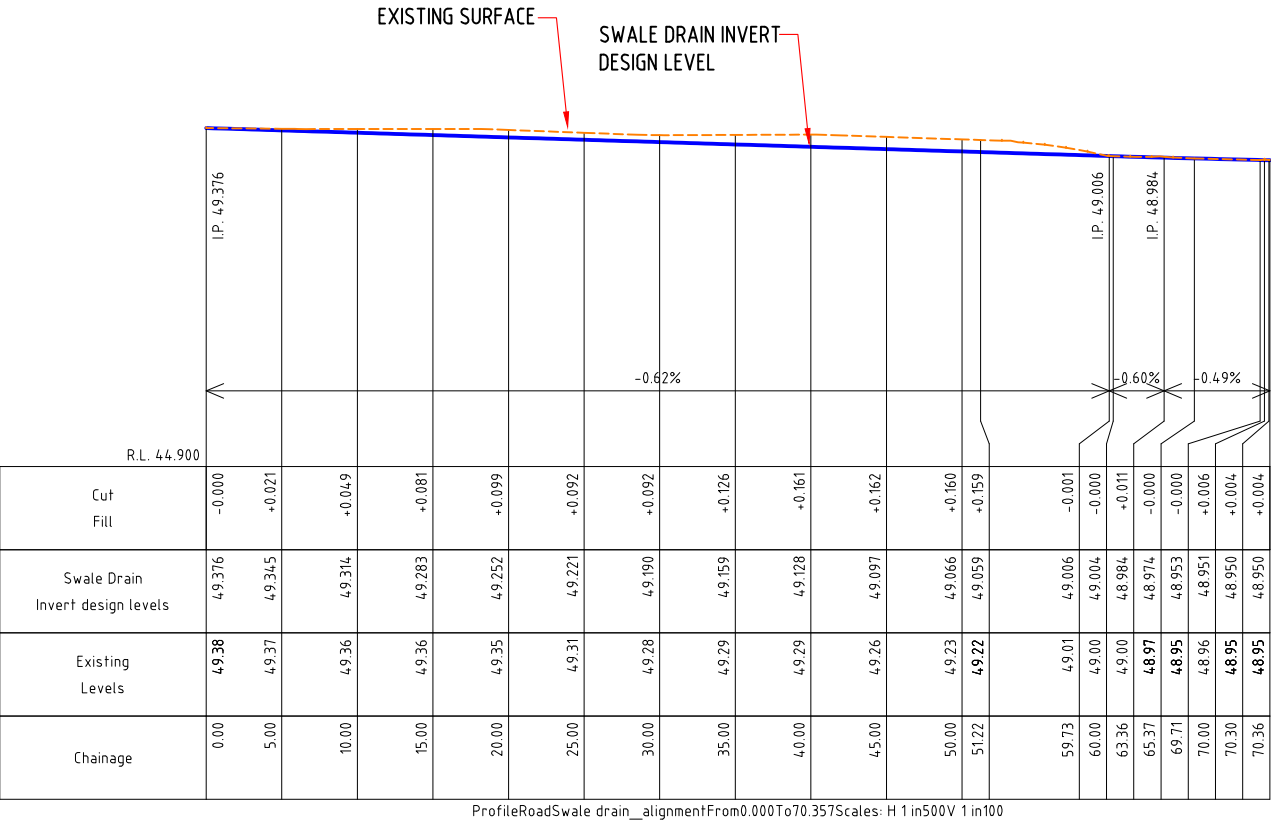
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				CHECKED:	G. DEVENISH	SCALE:				LAYOUT PLAN - SHEET 2 of 2	
1	COURT SHIFTED AS PER COUNCIL REQUEST	G.DEVENISH	25.07.23	APPROVED:	G. DEVENISH	1:250 @ A3				SHEET: 5 of 38	REVISION: 1



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					DRAWN:	SHEET SIZE:	A3					DRAWING TITLE: 2226-06	
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					APPROVED:	G. DEVENISH	1:250 @ A3						
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FINAL
ISSUED FOR CONSTRUCTION

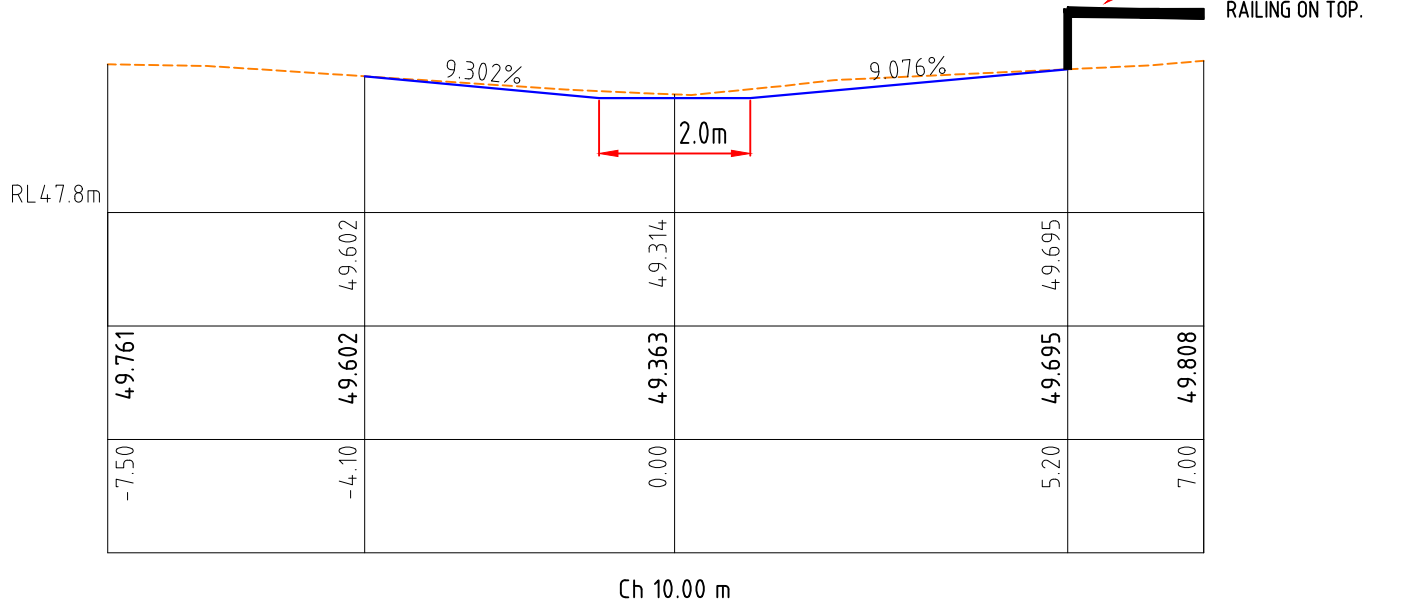
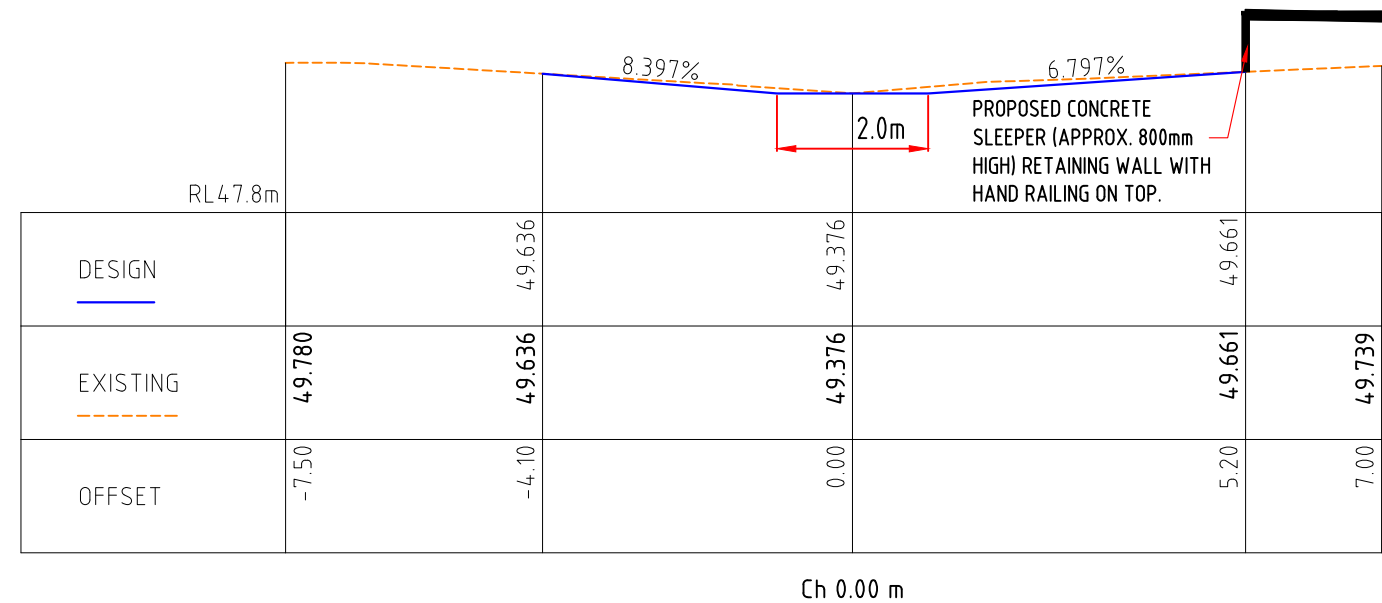
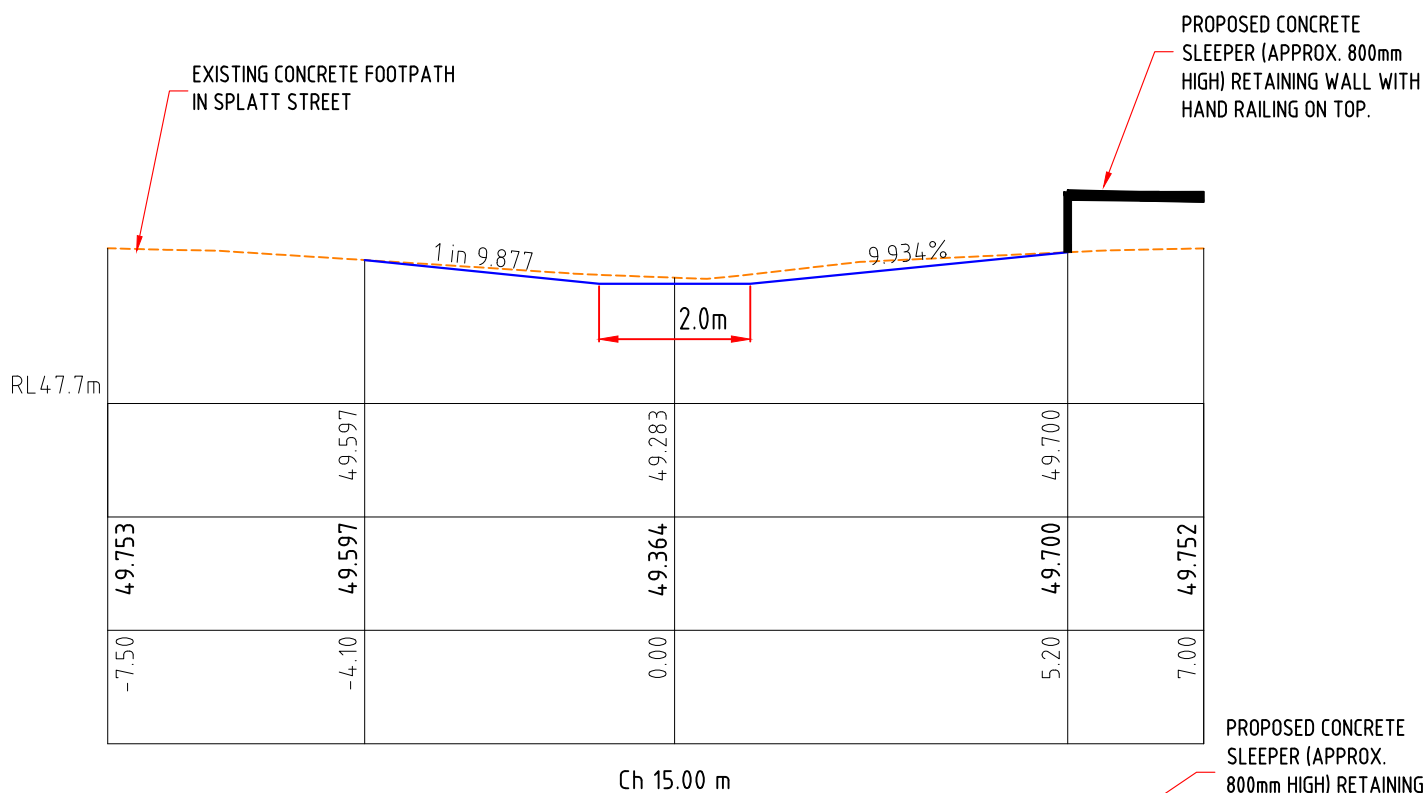
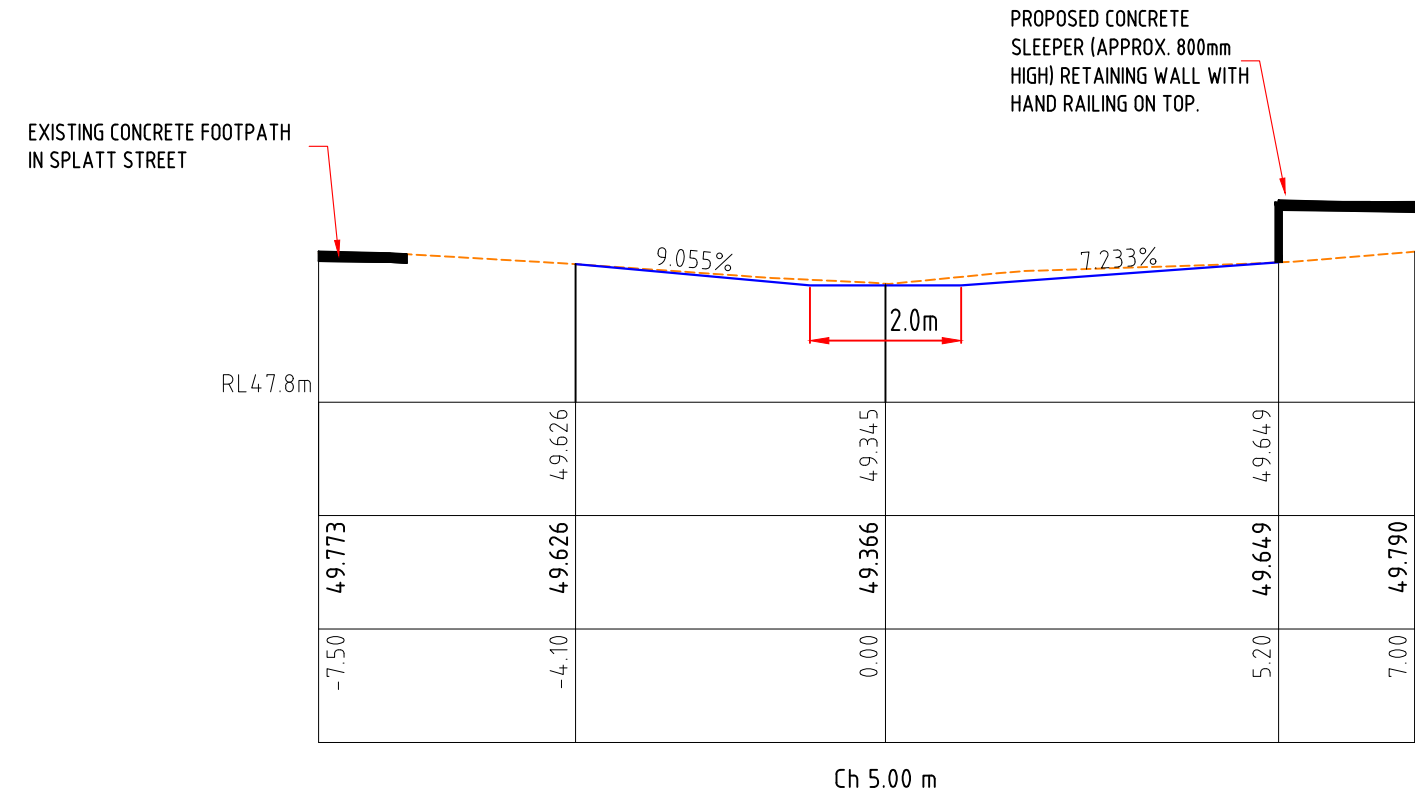


VERTICAL SCALE 1:100



HORIZONTAL SCALE 1:500

				DESIGNED:	DATE: 22-08-2022		CLIENT: 	PROJECT: APSLEY RECREATION RESERVE, APSLEY - PROPOSED REDEVELOPMENT WORKS OF EXISTING COURTS - 2 MULTI PURPOSE NETBALL/TENNIS & 1 TENNIS COURT	CIVIL DRAWINGS	
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1	COURT SHIFTED AS PER COUNCIL REQUEST	G.DEVENISH	25.07.23	APPROVED: G. DEVENISH					SHEET: 7 of 38	REVISION: 1



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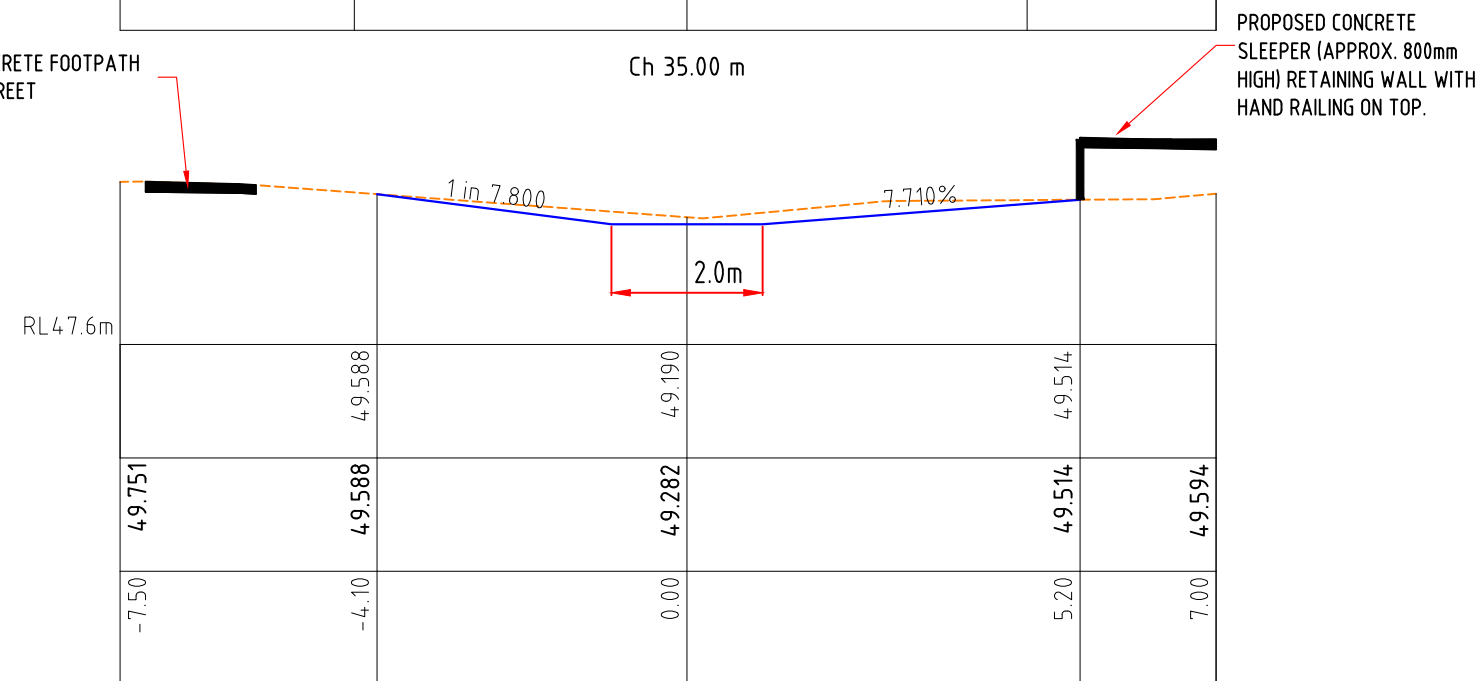
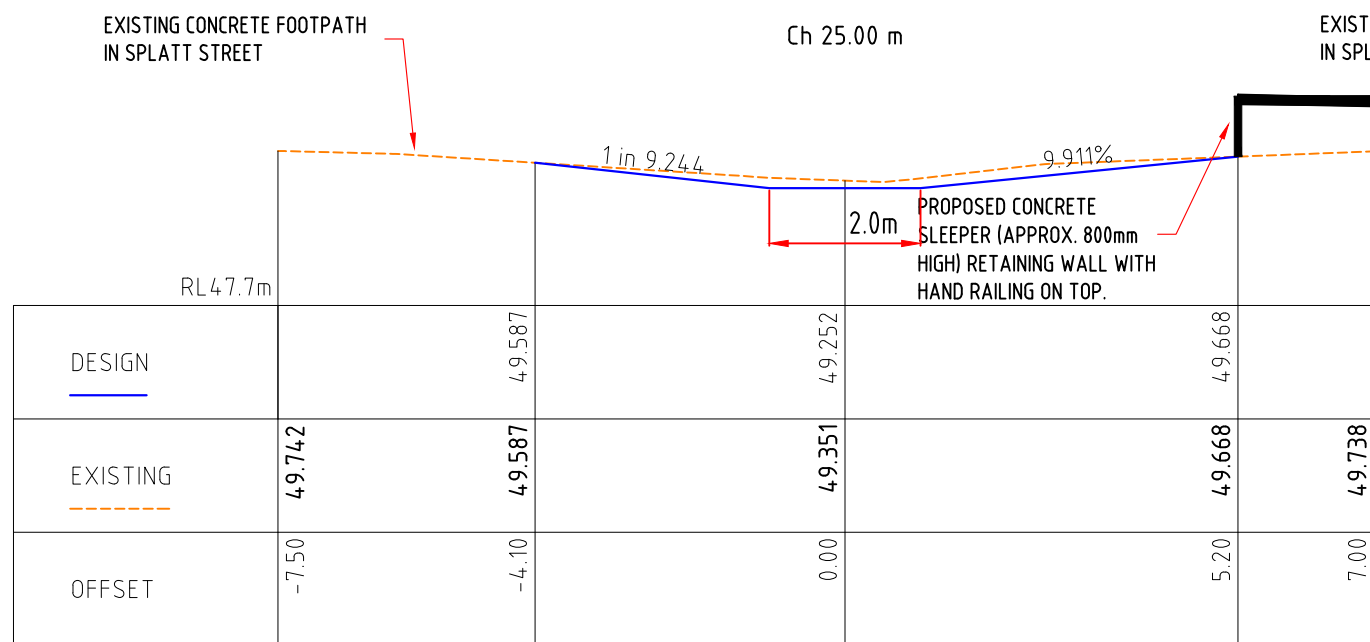
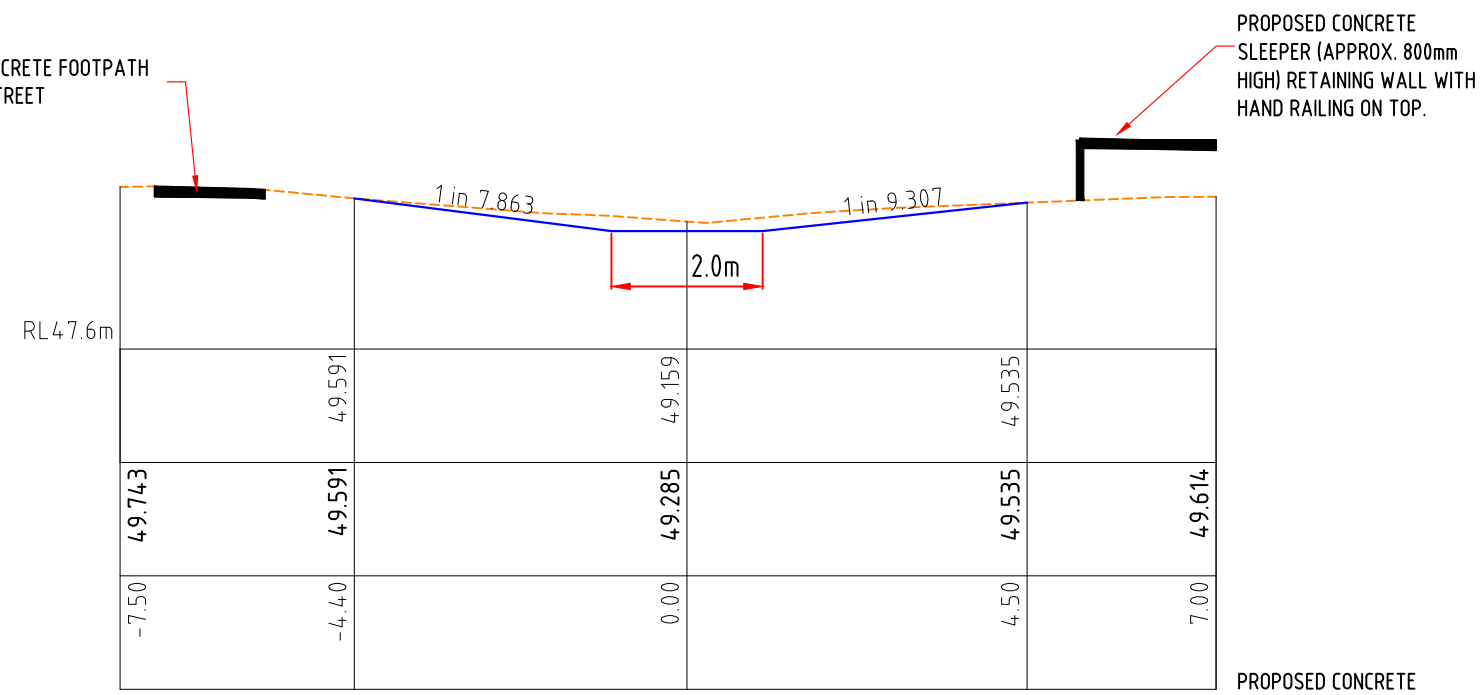
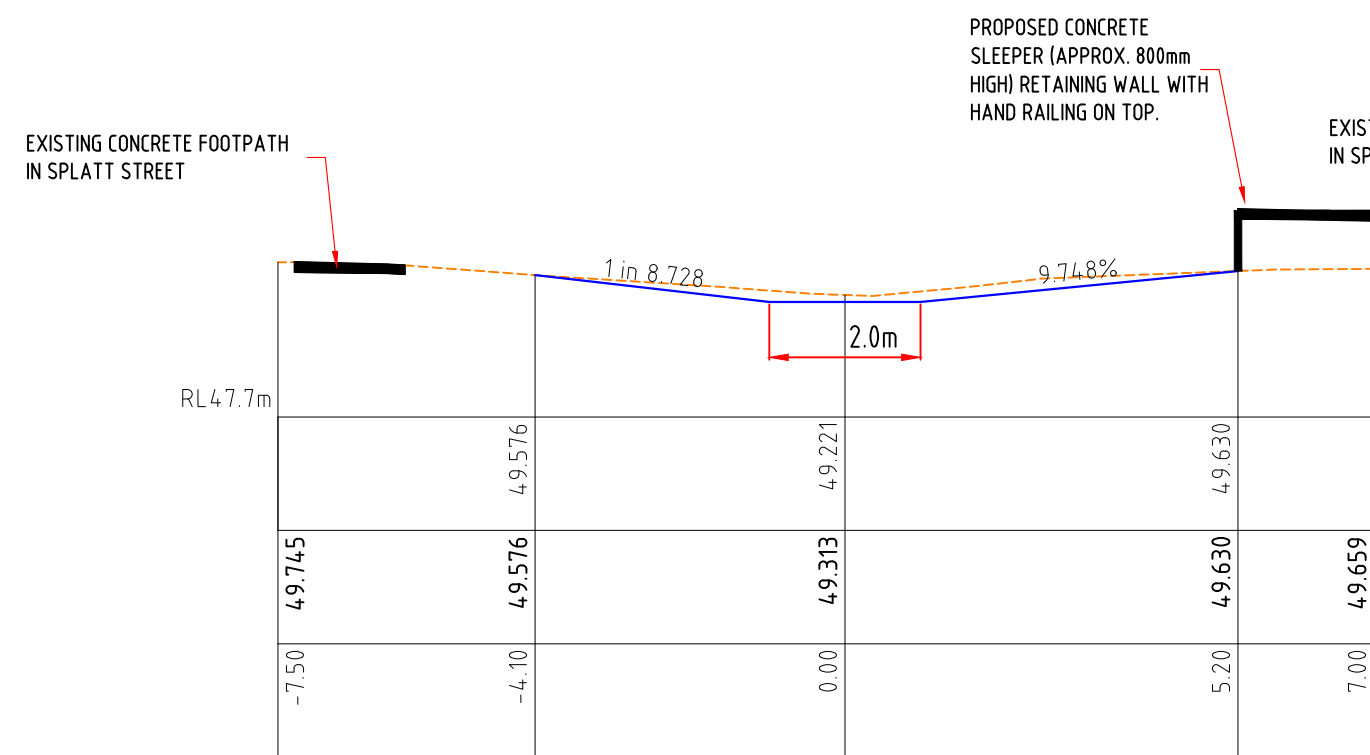


VERTICAL SCALE 1:100



HORIZONTAL SCALE 1:100

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1	COURT SHIFTED AS PER COUNCIL REQUEST	G.DEVENISH	25.07.23	APPROVED: G. DEVENISH					SHEET: 8 of 38	REVISION: 1



VERTICAL SCALE 1:100



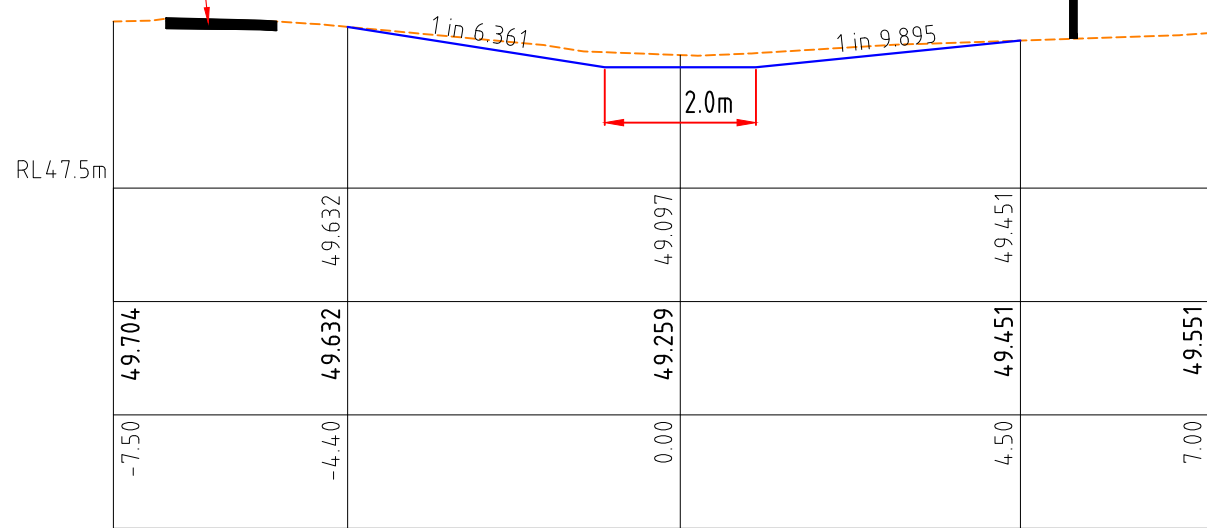
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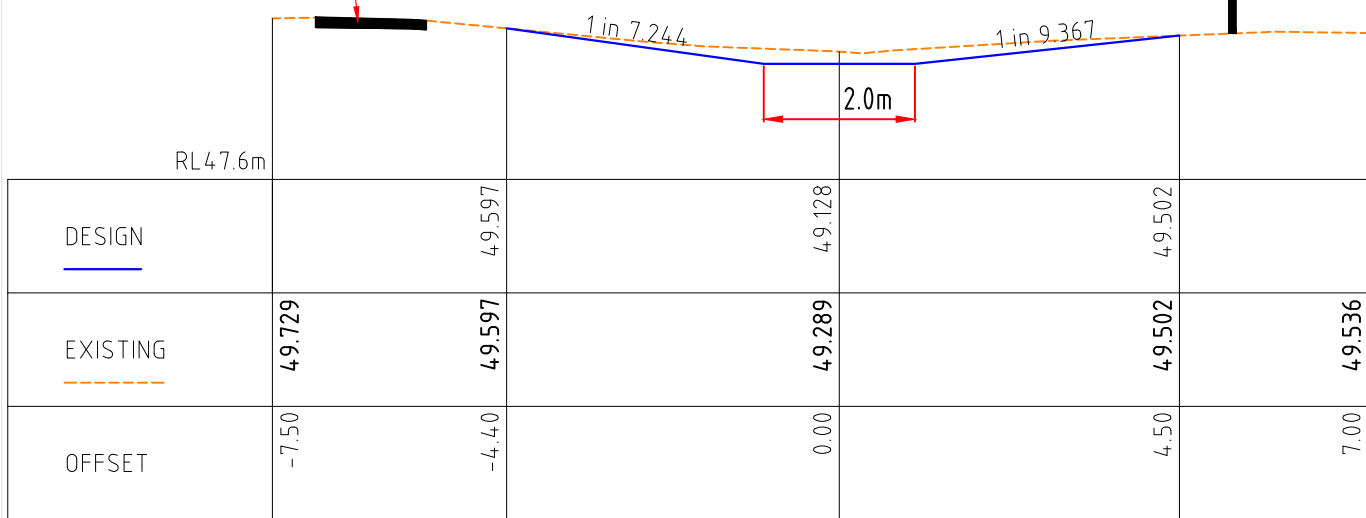
EXISTING CONCRETE FOOTPATH
IN SPLATT STREET

PROPOSED CONCRETE
SLEEPER (APPROX. 800mm
HIGH) RETAINING WALL WITH
HAND RAILING ON TOP.

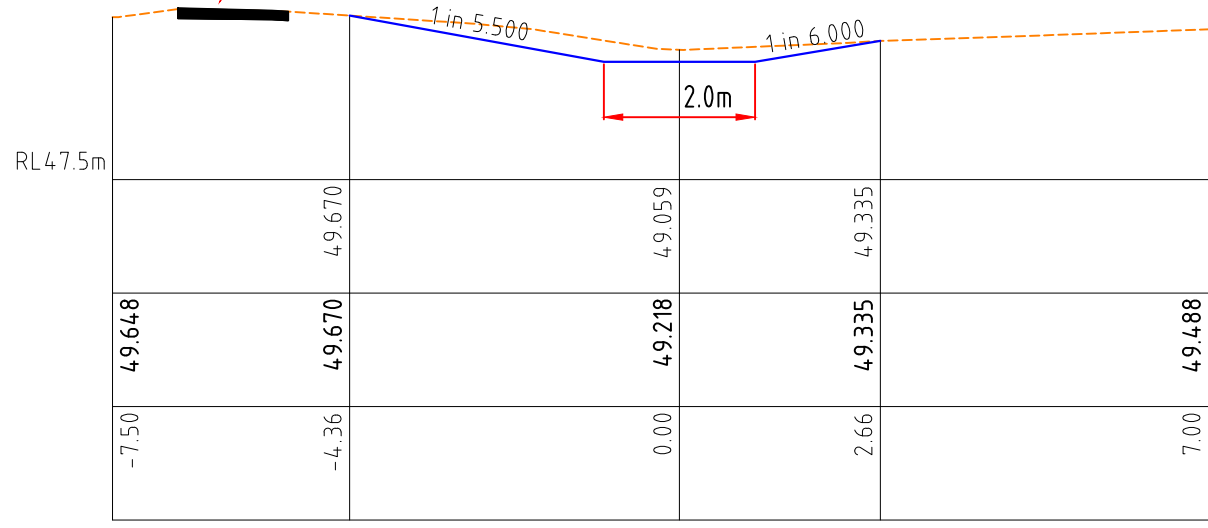


EXISTING CONCRETE FOOTPATH
IN SPLATT STREET

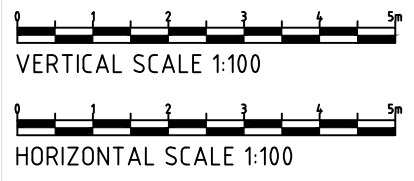
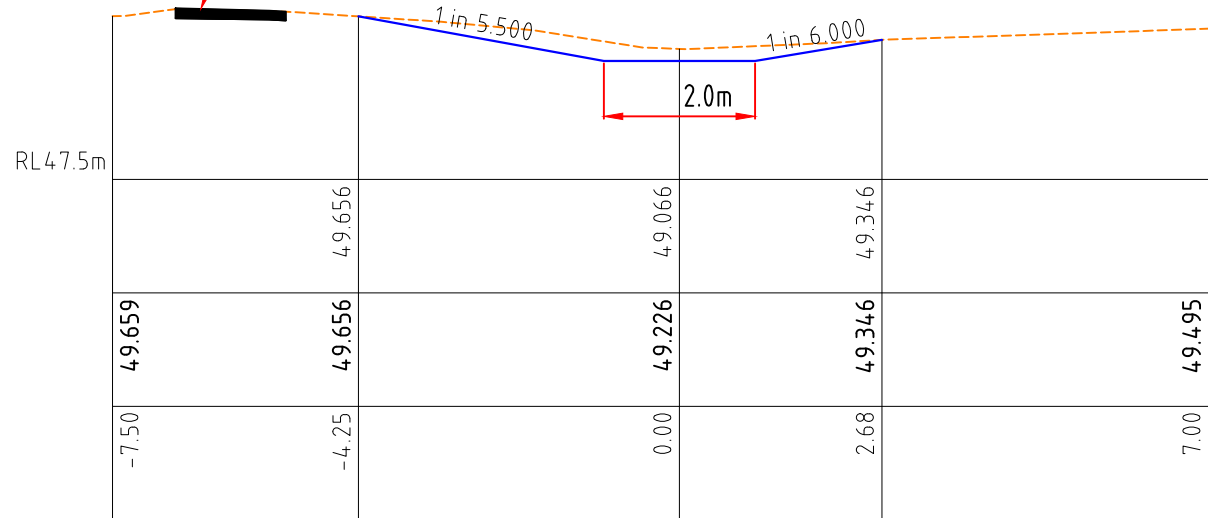
PROPOSED CONCRETE
SLEEPER (APPROX. 800mm
HIGH) RETAINING WALL WITH
HAND RAILING ON TOP.



EXISTING CONCRETE FOOTPATH
IN SPLATT STREET

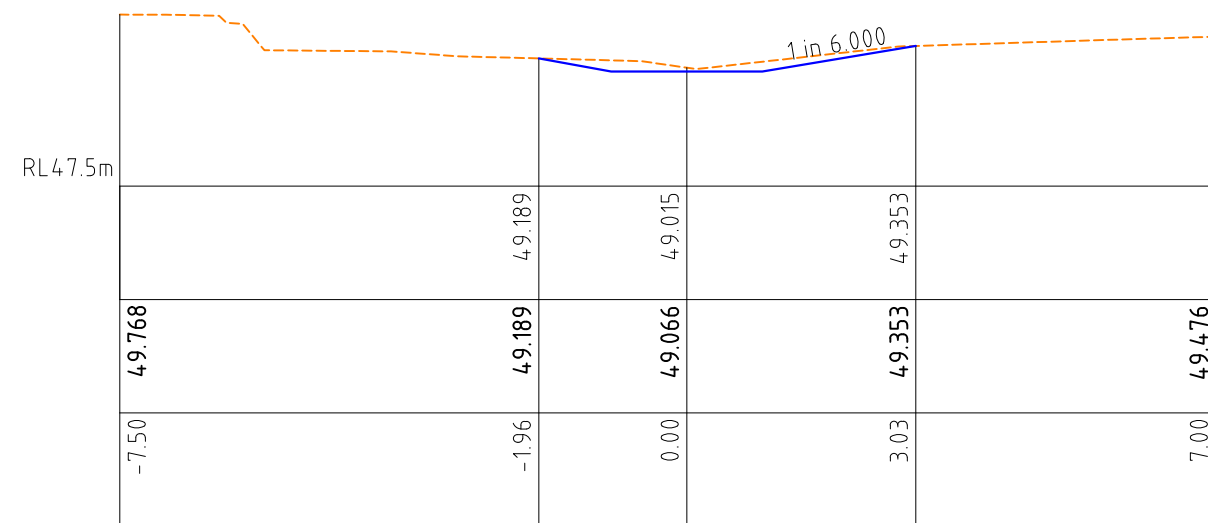


EXISTING CONCRETE FOOTPATH
IN SPLATT STREET



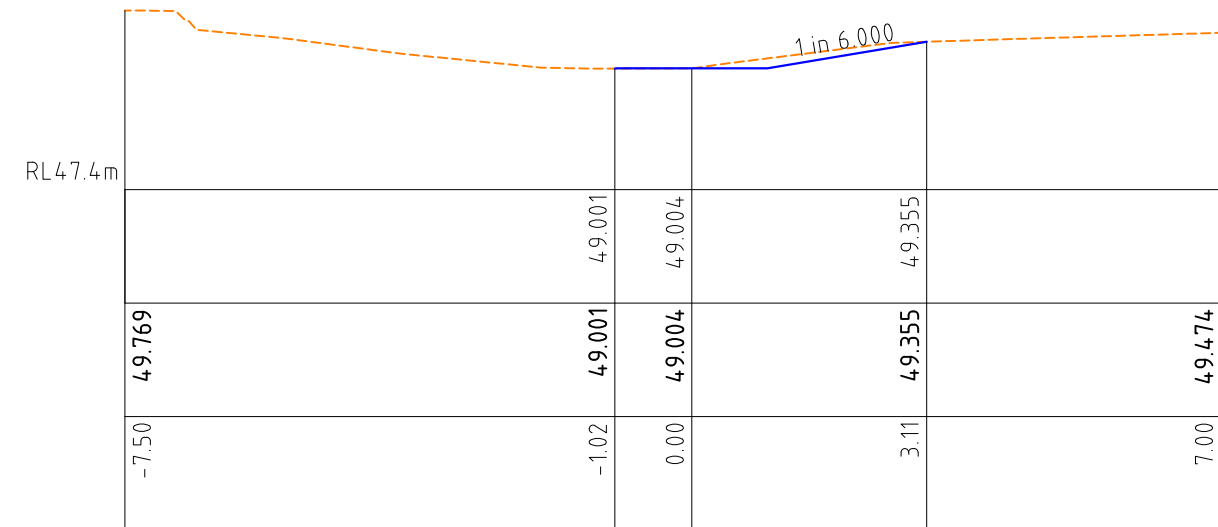
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				CHECKED: G. DEVENISH	SCALE: 1:250 @ A3				SWALE DRAIN - CROSS SECTION - SHEET 3 of 6	
1	COURT SHIFTED AS PER COUNCIL REQUEST	G.DEVENISH	25.07.23	APPROVED: G. DEVENISH					SHEET: 10 of 38	REVISION: 1

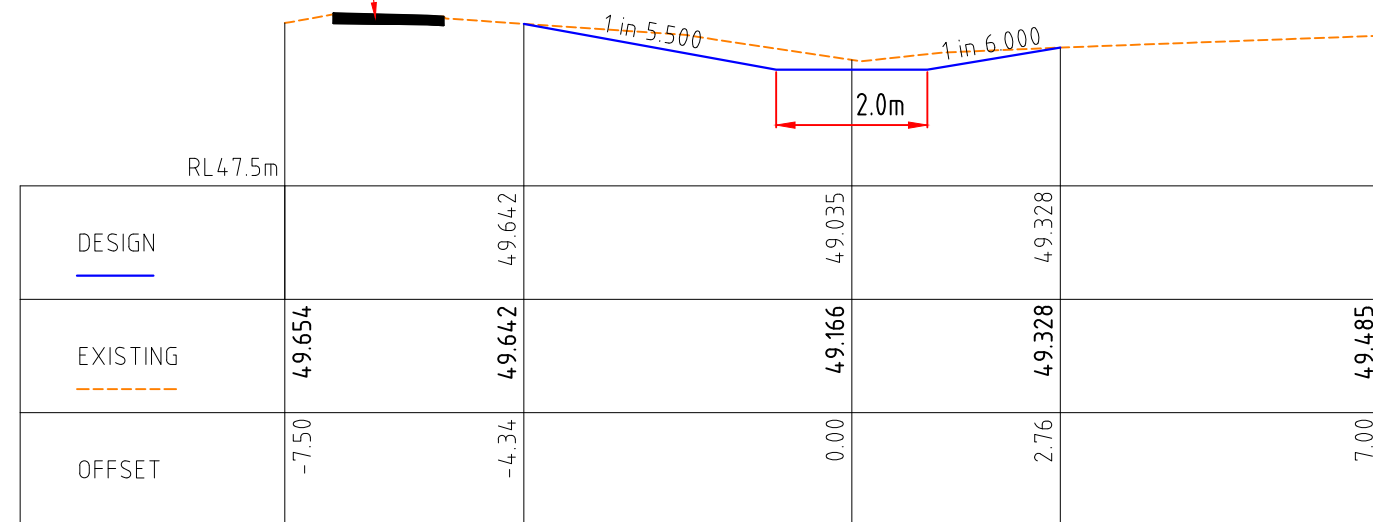


EXISTING CONCRETE FOOTPATH
IN SPLATT STREET

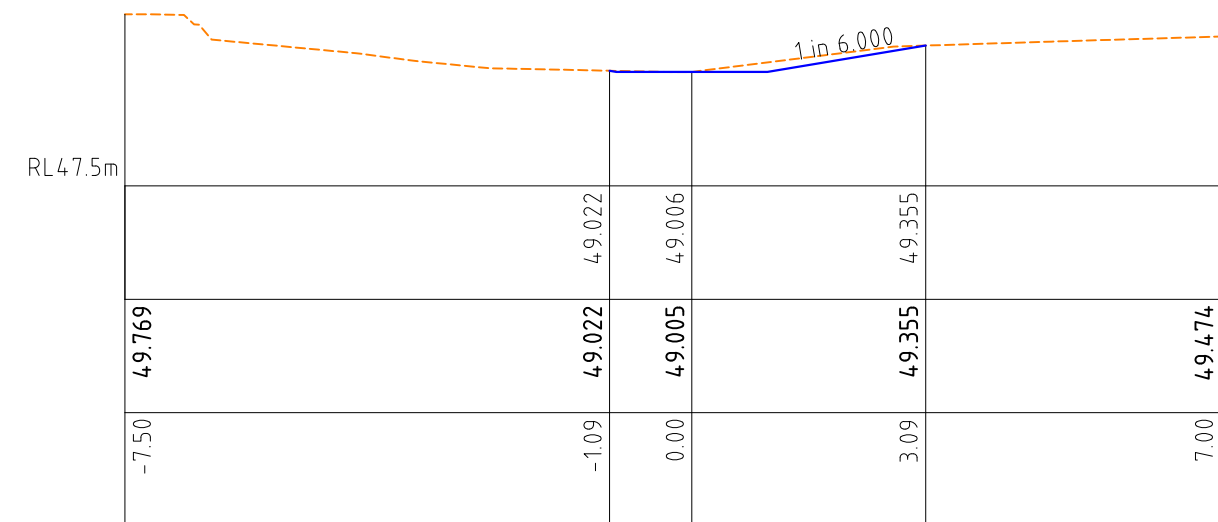
Ch 58.29 m



Ch 60.00 m



Ch 55.00 m



Ch 59.73 m



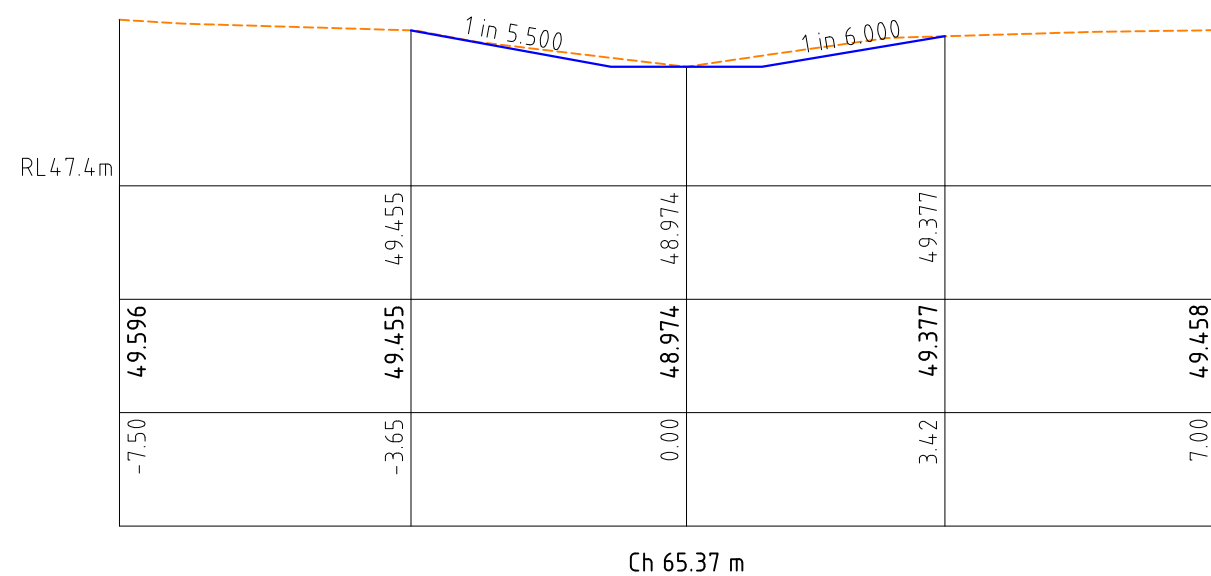
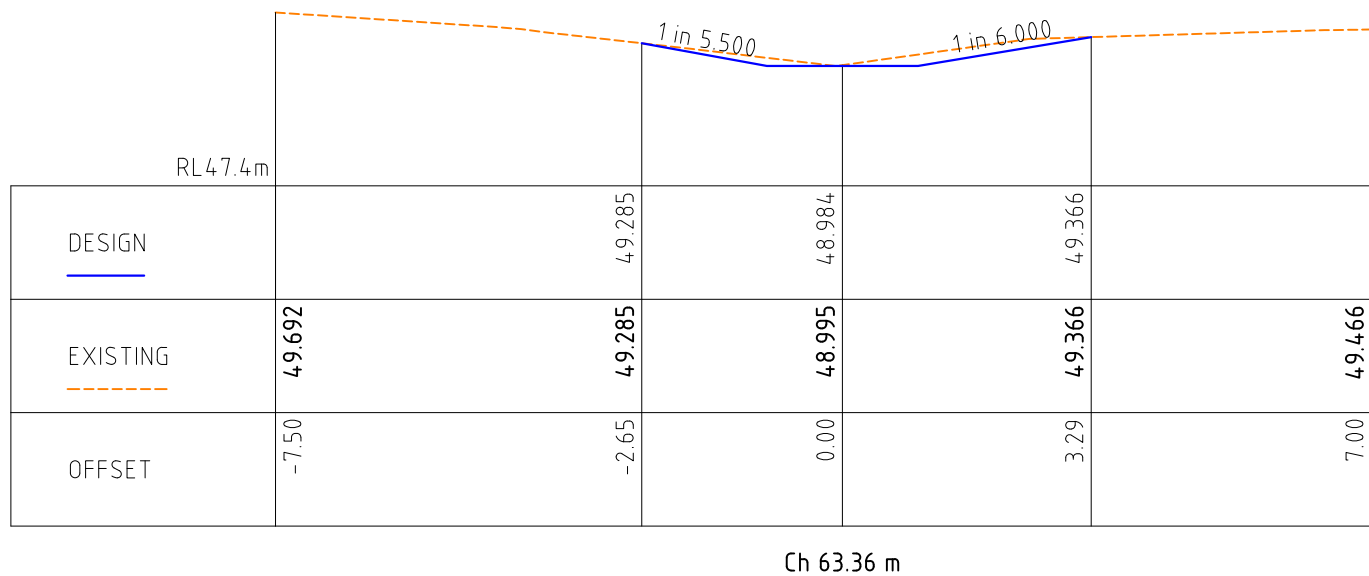
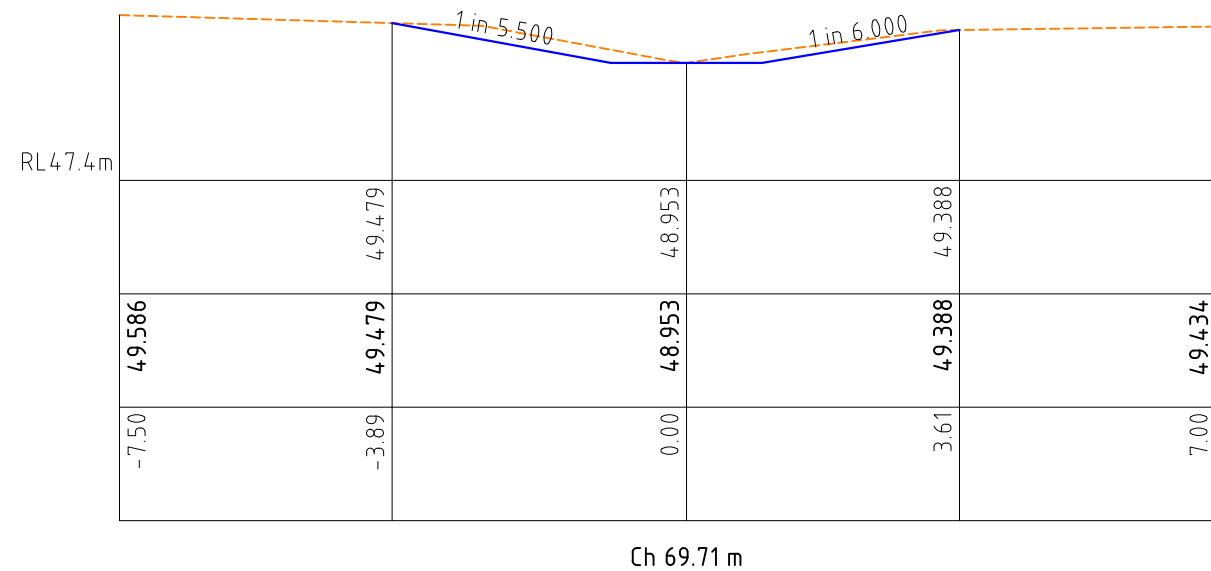
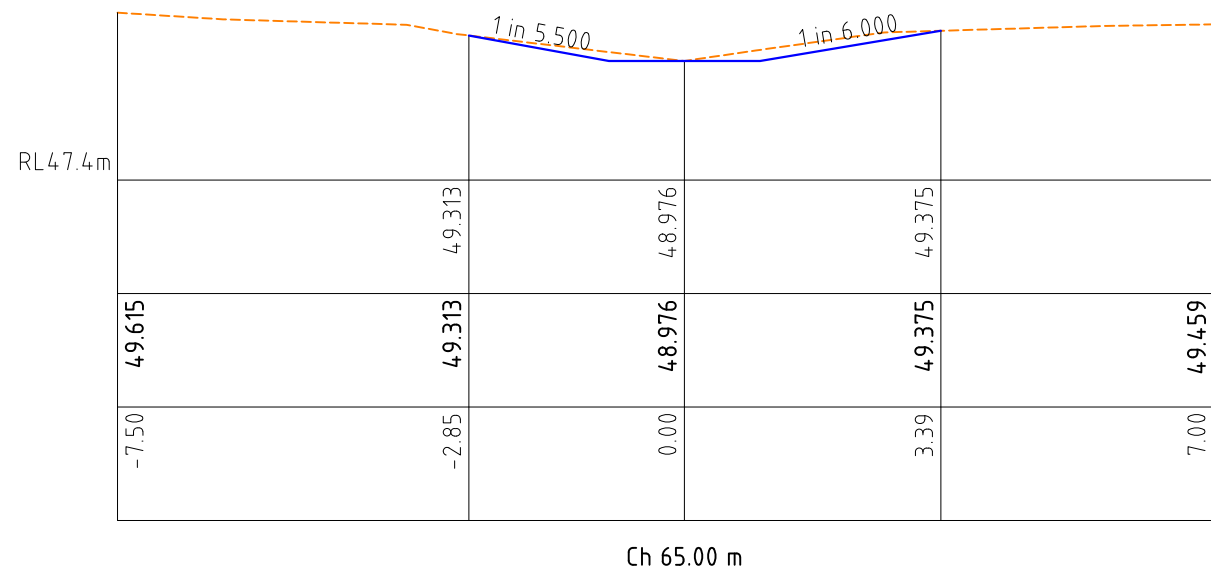
VERTICAL SCALE 1:100



HORIZONTAL SCALE 1:100

FINAL
ISSUED FOR CONSTRUCTION

				DESIGNED:	DATE: 22-08-2022		CLIENT: 	PROJECT: APSLEY RECREATION RESERVE, APSLEY - PROPOSED REDEVELOPMENT WORKS OF EXISTING COURTS - 2 MULTI PURPOSE NETBALL/TENNIS & 1 TENNIS COURT	CIVIL DRAWINGS	
				DRAWN:	SHEET SIZE: A3				DRAWING TITLE: 2226-11	
				CHECKED: G. DEVENISH	SCALE: 1:250 @ A3				SWALE DRAIN - CROSS SECTION - SHEET 4 of 6	
1	COURT SHIFTED AS PER COUNCIL REQUEST	G.DEVENISH	25.07.23	APPROVED: G. DEVENISH					SHEET: 11 of 38	REVISION: 1



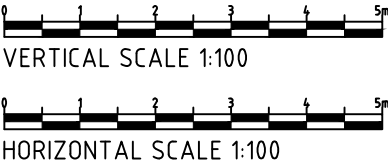
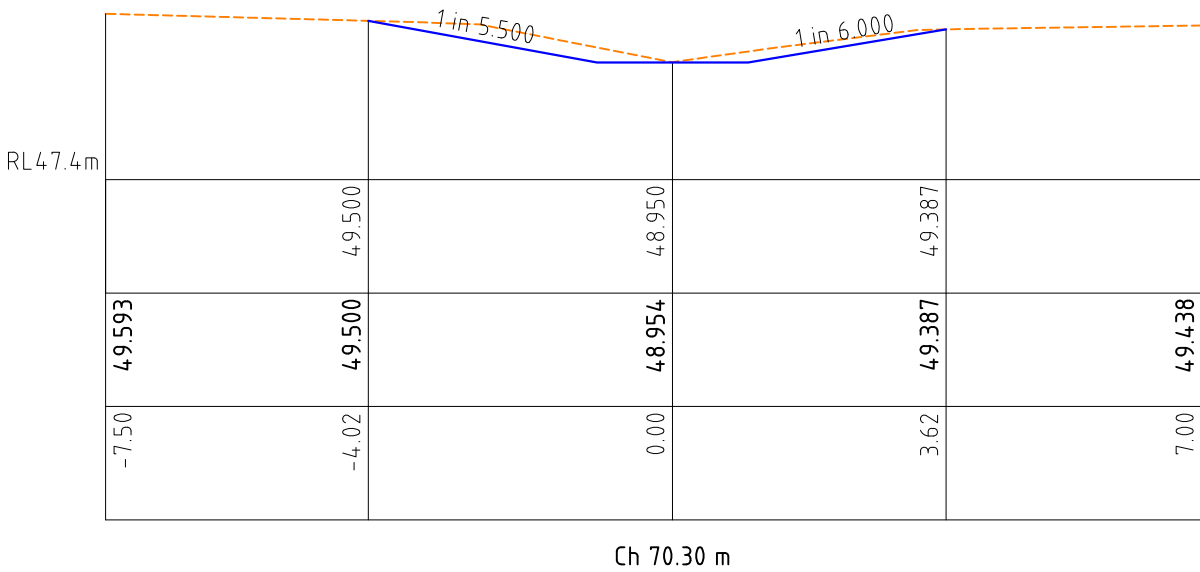
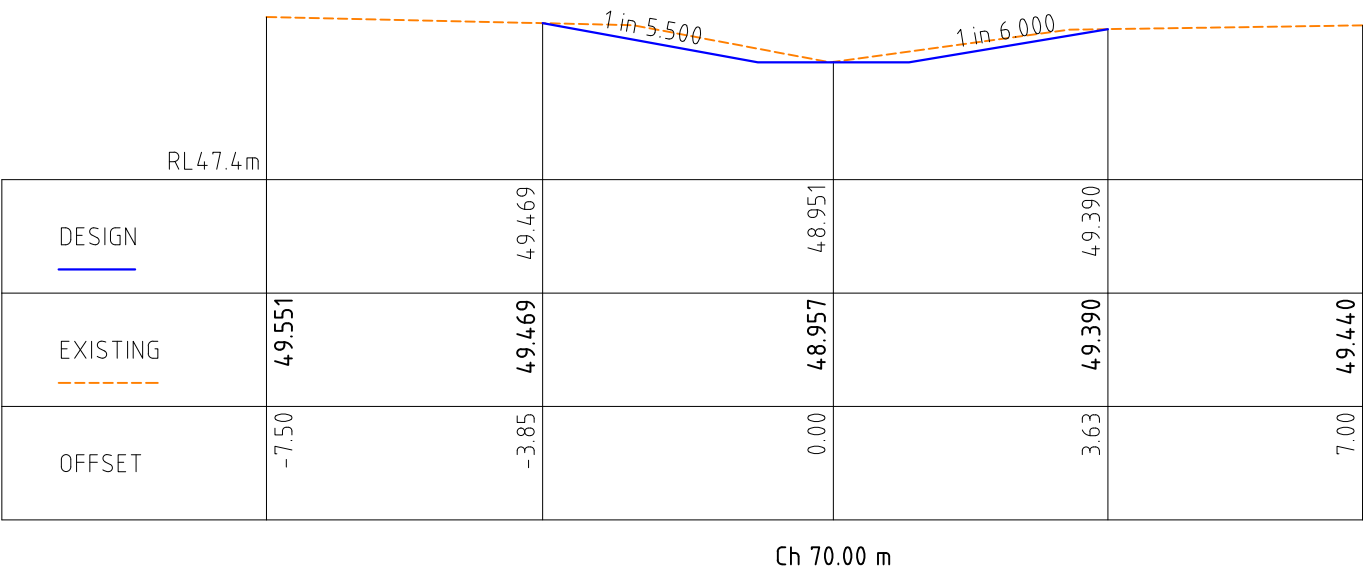
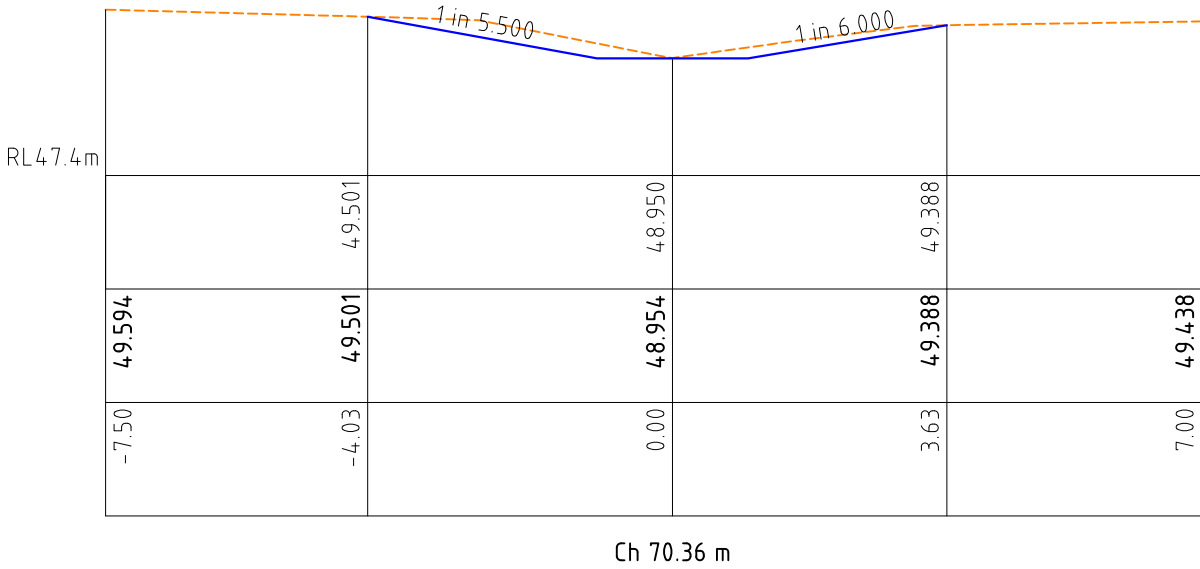
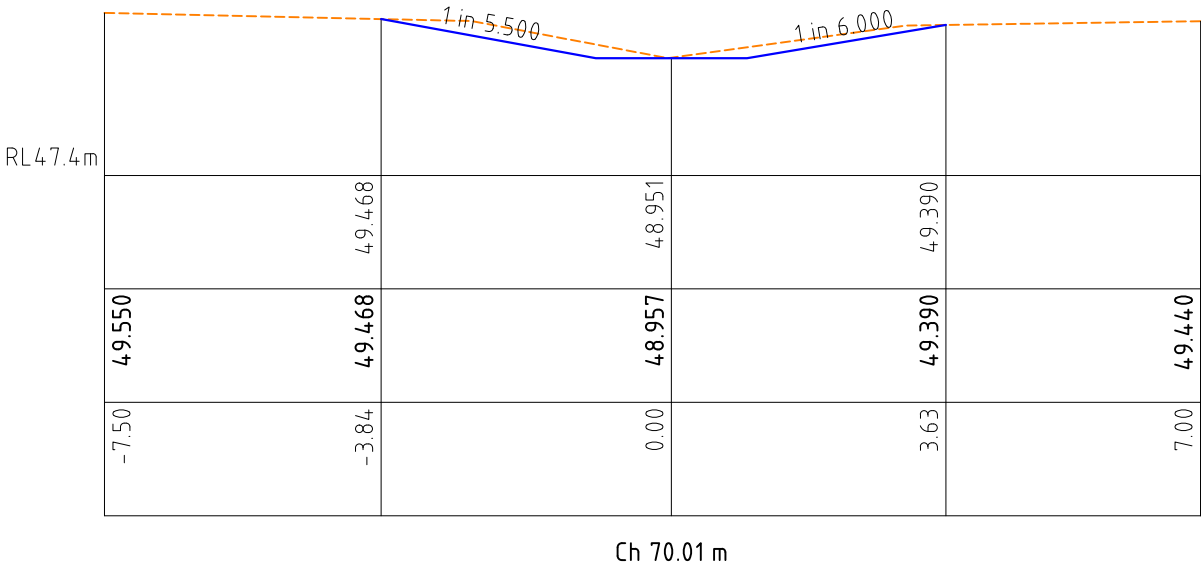
VERTICAL SCALE 1:100



HORIZONTAL SCALE 1:100

FINAL
ISSUED FOR CONSTRUCTION

				DESIGNED:	DATE: 22-08-2022		CLIENT: 	PROJECT: APSLEY RECREATION RESERVE, APSLEY - PROPOSED REDEVELOPMENT WORKS OF EXISTING COURTS - 2 MULTI PURPOSE NETBALL/TENNIS & 1 TENNIS COURT	CIVIL DRAWINGS	
				DRAWN:	SHEET SIZE: A3				DRAWING TITLE: 2226-12	
				CHECKED: G. DEVENISH	SCALE: 1:250 @ A3				SWALE DRAIN - CROSS SECTION - SHEET 5 of 6	
1	COURT SHIFTED AS PER COUNCIL REQUEST	G.DEVENISH	25.07.23	APPROVED: G. DEVENISH					SHEET: 12 of 38 REVISION: 1	



FINAL
ISSUED FOR CONSTRUCTION

				DESIGNED:	DATE: 22-08-2022		CLIENT: 	PROJECT: APSLEY RECREATION RESERVE, APSLEY - PROPOSED REDEVELOPMENT WORKS OF EXISTING COURTS - 2 MULTI PURPOSE NETBALL/TENNIS & 1 TENNIS COURT	CIVIL DRAWINGS	
				DRAWN:	SHEET SIZE: A3				DRAWING TITLE: 2226-13	
				CHECKED: G. DEVENISH	SCALE: 1:250 @ A3				SWALE DRAIN - CROSS SECTION - SHEET 6 of 6	
1	COURT SHIFTED AS PER COUNCIL REQUEST	G.DEVENISH	25.07.23	APPROVED: G. DEVENISH					SHEET: 13 of 38	REVISION: 1

LINE MARKING INFORMATION:

NETBALL COURT LINE MARKING:

LINE MARKINGS SHALL BE PAINTED USING AN APPROVED WATER BASED YELLOW LINE MARKING ACRYLIC PAINT. LINE MARKING PAINT MUST BE APPROVED FOR ACRYLIC SURFACE AND BE GUARANTEED NOT TO CAUSE CRACKING, CURLING OR DAMAGE TO THE UNDERLYING ACRYLIC SURFACE. ALL MEASUREMENTS ARE MADE TO THE OUTSIDE OF THE LINES. ALL LINE MARKINGS SHALL CONFORM TO THE AUSTRALIAN STANDARD DIMENSIONS OUTLINED WITHIN THE ATTACHED TECHNICAL SPECIFICATION BEING COURT DIMENSIONS OF 30.50m LONG x 15.25m WIDE. ALL SIDELINE AND BASELINE RUN-OFF ZONES MUST BE A MINIMUM 3.05m AND BETWEEN COURT A MINIMUM OF 3.65m. ALL LINES SHALL BE 50mm WIDE WITH A TOLERANCE OF +/- 1.5mm.

TENNIS COURT LINE MARKING:

LINE MARKINGS SHALL BE PAINTED USING AN APPROVED WATER BASED WHITE LINE MARKING ACRYLIC PAINT. LINE MARKING PAINT MUST BE APPROVED FOR ACRYLIC SURFACE AND BE GUARANTEED NOT TO CAUSE CRACKING, CURLING OR DAMAGE TO THE UNDERLYING ACRYLIC SURFACE. ALL MEASUREMENTS ARE MADE TO THE OUTSIDE OF THE LINES. ALL LINE MARKINGS SHALL CONFORM TO THE AUSTRALIAN STANDARD DIMENSIONS OUTLINED WITHIN THE ATTACHED TECHNICAL SPECIFICATION.

MULTI PURPOSE COURT SURFACING:

ACRYLIC SURFACING

A NON-SLIP ACRYLIC SURFACE SUITABLE FOR NETBALL COURT SURFACING IS REQUIRED TO BE SUPPLIED AND APPLIED.

THE ACRYLIC SURFACE APPLICATION PROCEDURES SHALL BE UNDERTAKEN AS PER THE MANUFACTURERS SPECIFICATIONS AND INSTRUCTIONS. THE SURFACE TOLERANCES OF THE FINISHED ACRYLIC SURFACE SHALL NOT EXCEED 3MM OVER A 3METRE LENGTH - TESTED VIA A STRAIGHT EDGE.

THE ACRYLIC RESIN SURFACE IS TO BE APPLIED TO THE ENTIRE CONCRETE COURT BASE OF THE 2 NETBALL COURT CONSTRUCTION. THE COLOUR OF THE ACRYLIC SURFACE SHALL BE LAYKOLD LIGHT BLUE SURROUNDS (RUNOFF ZONE AREA) AND LAYKOLD ARCTIC BLUE FOR PLAYING AREA OR EQUIVALENT. THE CONTRACTOR WILL BE REQUIRED TO PRESENT COLOUR CHARTS TO THE SITE SUPERVISOR TO CONFIRM COLOUR SELECTION PRIOR TO ORDERING.

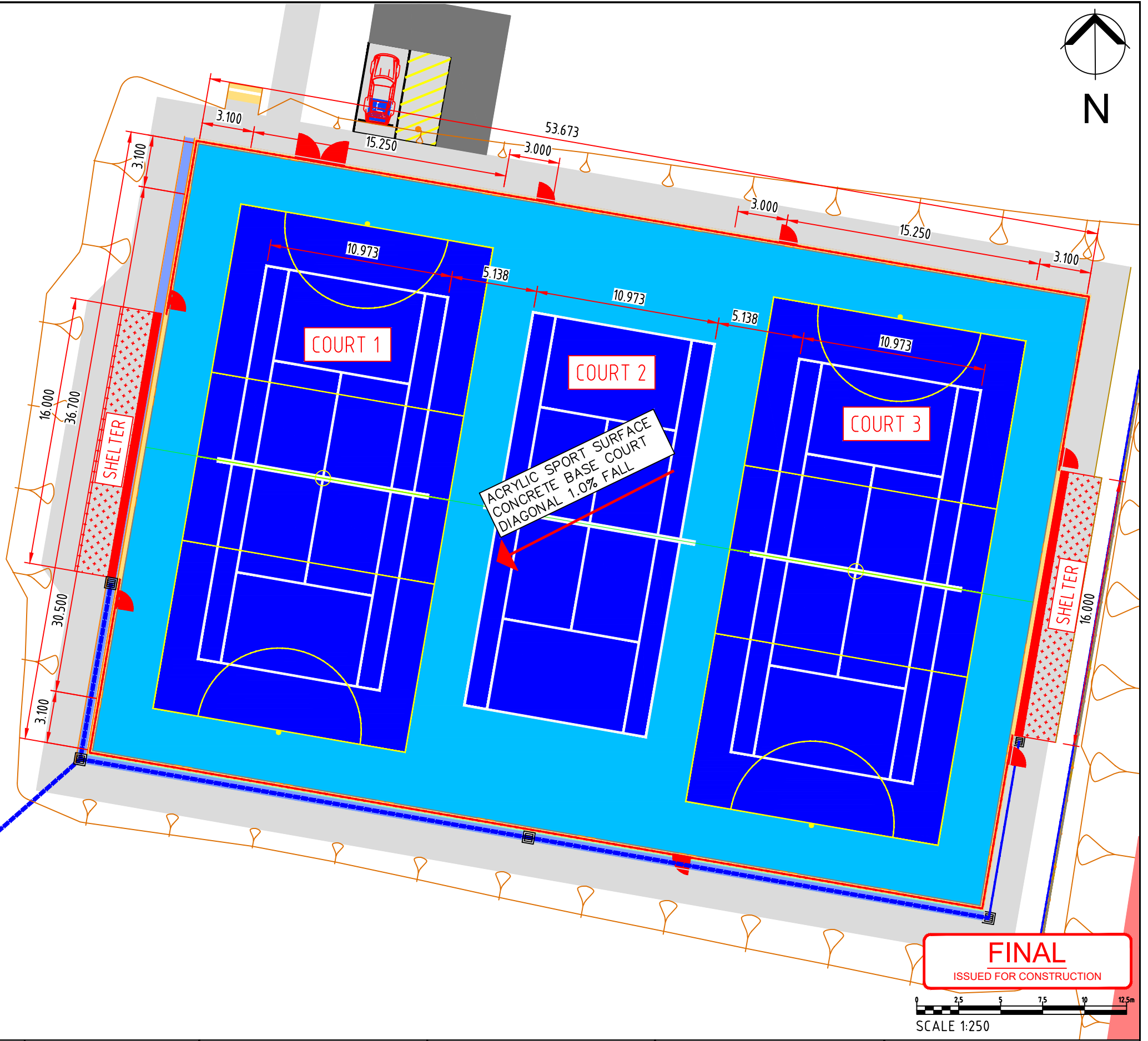
THIS SPECIFICATION COVERS THE SUPPLY AND INSTALLATION OF A NON-SLIP ACRYLIC RESIN SURFACE OVER A NEW CONCRETE BASE AND THE INSTALLATION OF NETBALL COURT LINES AS PER NETBALL VICTORIA'S SLIP RESISTANCE RECOMMENDATIONS WITHIN THE NETBALL VICTORIA'S COMPLIANCE FACT SHEET. TENNIS COURT LINES AS PER TENNIS VICTORIA'S STANDARDS.

TOP COAT APPLICATION:

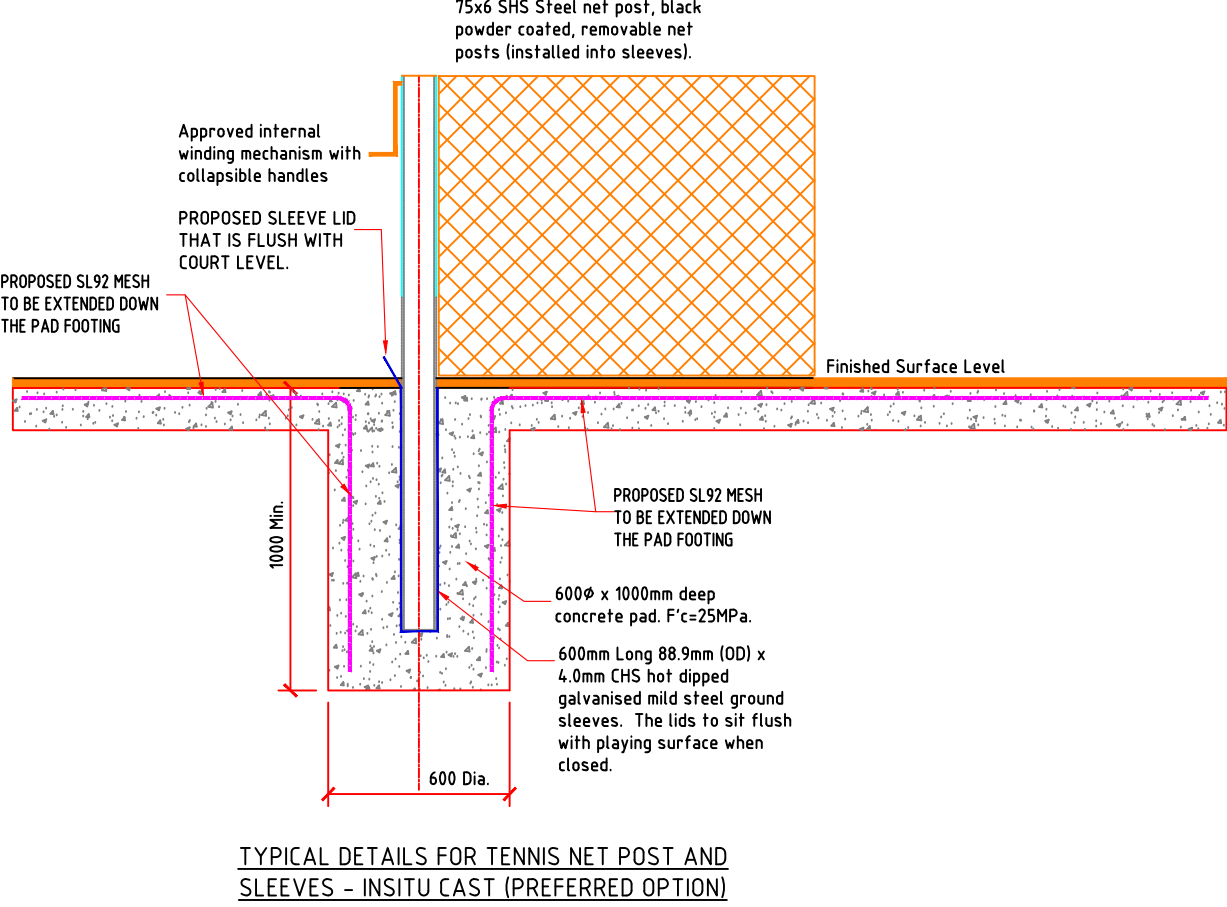
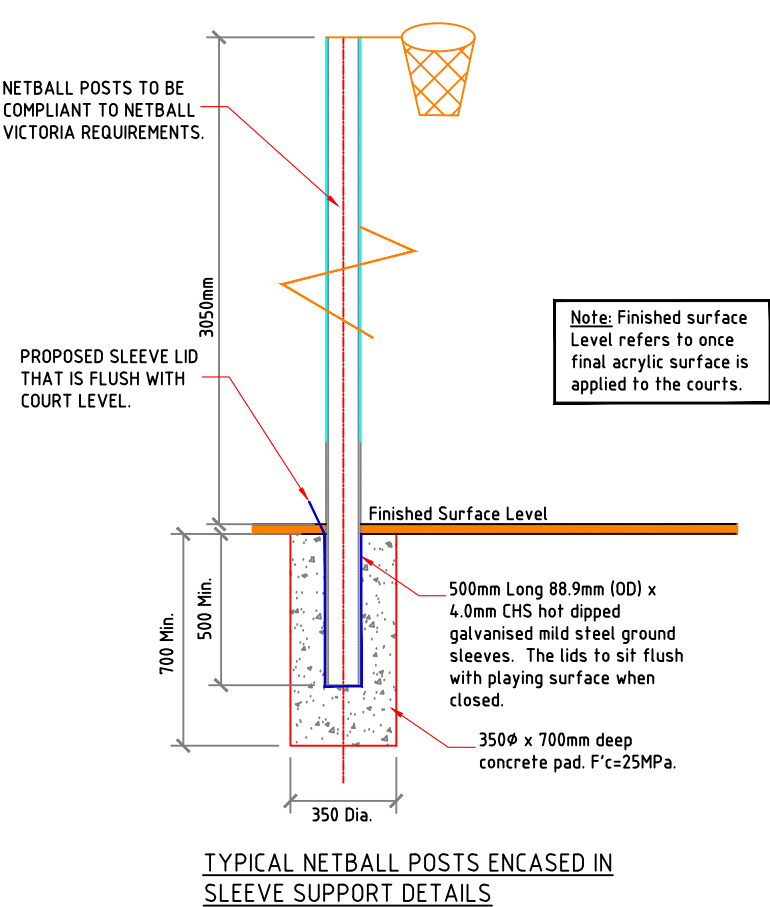
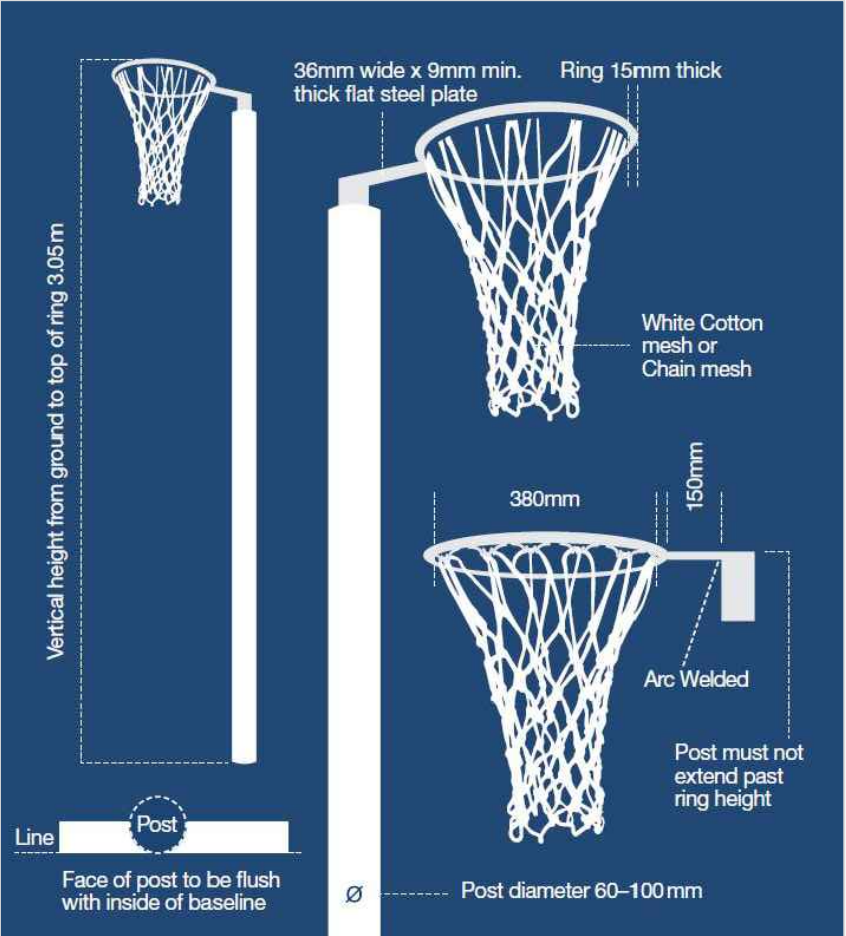
THE CONTRACTOR IS TO APPLY THE SPECIFIED NUMBER OF TOP COATS AS PER THEIR SELECTED METHODOLOGY AND AS PER THE MANUFACTURERS RECOMMENDATIONS.

THE CONTRACTOR IS TO ENSURE THAT THE CONCRETE SURFACE IS THOROUGHLY SWEEPED AND CLEAN BEFORE APPLYING THE TOP COAT(S). SURFACE TEMPERATURE LIMITS, WEATHER CONDITIONS AND MINIMUM TIMES BETWEEN COATS, RECOMMENDED BY THE MANUFACTURER, MUST BE OBSERVED.

THE COMPLETED COURT SURFACING WORKS SHALL COMPLY WITH SURFACE TOLERANCES THAT DO NOT EXCEED 3mm OVER A 3 metre LENGTH.



				DESIGNED:	DATE:	22-08-2022		CLIENT: 	PROJECT: APSLEY RECREATION RESERVE, APSLEY - PROPOSED REDEVELOPMENT WORKS OF EXISTING COURTS - 2 MULTI PURPOSE NETBALL/TENNIS & 1 TENNIS COURT	CIVIL DRAWINGS	
				DRAWN:	SHEET SIZE:	A3				DRAWING TITLE: 2226-14	
1	COURTS SHIFTED TO THE WEST	G.DEVENISH	24.07.23	CHECKED:	G. DEVENISH	SCALE:				NETBALL/TENNIS COURT DIMENSIONAL LAYOUT & LINE MARKING PLAN	
0	ISSUED FOR CONSTRUCTION	G.DEVENISH	21.06.23	APPROVED:	G. DEVENISH	1:250 @ A3				SHEET: 14 of 38	REVISION: 1
A	ISSUED FOR COMMENTS	G.DEVENISH	29.08.22								



NETBALL COURTS GOAL POST NOTES:

NETBALL COURTS MUST BE COMPLIANT TO CURRENT STANDARDS AS NOTED IN THE NETBALL AUSTRALIA TECHNICAL MANUAL SECTION 2 AND NETBALL VICTORIA COMPLIANCE FACT SHEET.
THIS PARTICULAR PROJECT REQUIRES THE FOLLOWING CLARIFICATIONS WHERE OPTIONS ARE PROVIDED:
1. GOAL POSTS MUST BE ROUND AND THE POST, RING AND CONNECTIONS WHITE POWDER COATED.

CONTRACTOR TO NOTE:

- NETBALL COURTS: INSTALL 4 NEW HOT DIPPED GALVANISED (MILD STEEL) INTO GROUND SLEEVES. SLEEVES TO BE 500mm LONG 88.9mm (OD)x4.0mm CHS. THE GOAL POSTS ARE TO HAVE RING HEIGHT SETTINGS OF 3050mm ABOVE THE FINISHED SURFACE. THE SLEEVES ARE TO INCORPORATE A HINGED HOT DIPPED GALVANISED (MILD STEEL) CAP (FLAP) WHICH WHEN IN THE CLOSED POSITION IS TO SIT PERFECTLY FLUSH WITH THE NETBALL COURT SURFACE SO AS NOT TO PROVIDE A TRIP HAZARD. SLEEVE CAPS MUST BE SURFACED WITH THE SAME ACRYLIC AS THE SURROUNDING COURT SURFACE.
- GOAL POSTS MUST BE 76.1mm ODx4.5mm INSTALLED INTO THE SLEEVES WITHIN CONCRETE FOOTING. FOOTING TO BE 350mm DIAMETER x 700mm MINIMUM DEEP.
- GOAL POSTS MUST BE INSTALLED SO THAT THE FACE OF THE POST IS POSITIONED FLUSH WITH THE INSIDE EDGE OF THE BASELINE SO NO PART OF THE POST IMPEDES ON THE PLAYING AREA OF THE COURT.
- GOAL RINGS MUST HAVE LOOP/EYELETS FOR NET ATTACHMENT.
- GOAL RINGS MUST NOT HAVE ARMS FROM RING TO POST (TO ALLOW FOR FULL HEIGHT PADDING).
- NETS TO BE CHAIN WIRE NET.
- PROVIDE FULL LENGTH HIGH DENSITY PADDING FOR EVERY POST WITH A MAXIMUM 50mm THICKNESS.
- RINGS - 380mm INTERNAL DIAMETER
 - 15mm RING THICKNESS
 - 150mm LENGTH CONNECTION TO POST
 - POST TO RING CONNECTION TO BE HEAVY DUTY OR REINFORCED FOR PUBLIC ACCESS SETTING.
 - STEEL HOOPS/EYELETS ARC WELDED TO THE UNDERSIDE OF THE RING TO ALLOW NET ATTACHMENT.
- ALL GOAL POSTS, RINGS TO BE HOT DIPPED GALVANISED AND POWDER COAT WHITE.

TENNIS COURT NET POSTS FOUNDATIONS:

600mm DIA x 1000mm MIN DEEP WITH A MINIMUM CONCRETE GRADE OF 25MPa POST (75mmx75mmx2.5mm POWDER COATED BLACK) TO BE REMOVABLE BY USE OF A 500mm LONG MIN. HOT DIPPED GALVANISED SLEEVE WITH DIMENSIONS 89x89x5mm. THE SLEEVES ARE TO INCORPORATE A HINGED HOT DIPPED GALVANISED (MILD STEEL) CAP (FLAP) WHICH WHEN IN THE CLOSED POSITION IS TO SIT PERFECTLY FLUSH WITH THE COURT SURFACE SO AS NOT TO PROVIDE A TRIP HAZARD. 10mm ABLEFLEX TO BE WRAPPED AROUND SLEEVE IN CONCRETE. FINISH ABLEFLEX 10mm BELOW TOP OF CONCRETE AND SEAL NEATLY WITH SIKA FLEX.

SLEEVE INSTALLATION - THE SLEEVE IS TO BE SET UP PRIOR TO THE CONCRETE SLAB FROM BEING POURED AND IS TO BE CAST IN-SITU AND DOWELED AS PER TYPICAL PICTURE. IF THE CONTRACTOR CHOOSES TO POUR THE SLAB FIRST AND CUT OUT THE AREA FOR THE SLEEVES REFER TO DETAIL CUT OUT METHOD. NO QUICKSET CONCRETE ALLOWED.

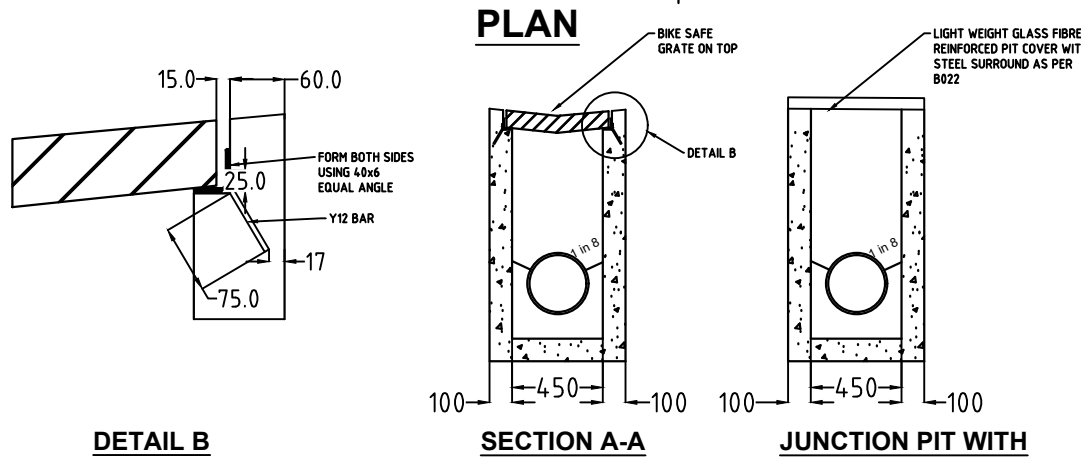
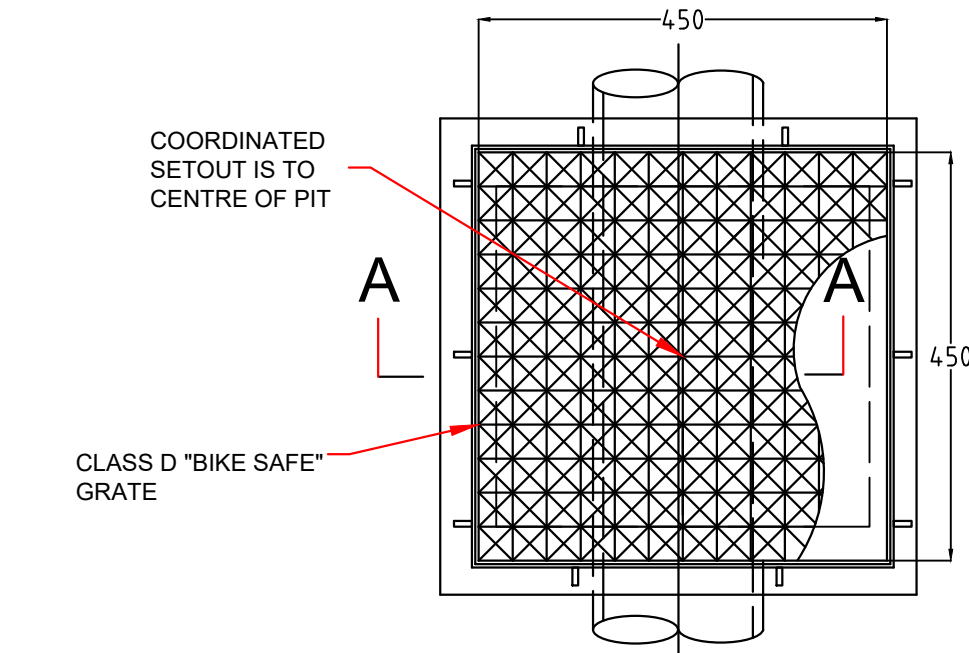
- PREMIUM INTERNAL WINDER TO BE BLACK POWDER COAT TENNIS POSTS. HANDLE MUST BE COLLAPSIBLE;
- FULL DROP DOWN NET WITH CENTRE HOOK AND STRAP;



TYPICAL DETAIL FOR SLEEVE INSTALLATION - CUT OUT METHOD FOR CONCRETE PAVEMENT

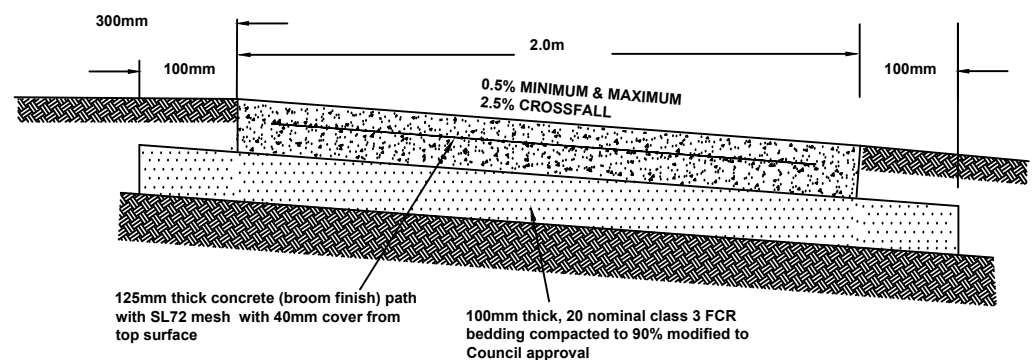
FINAL
ISSUED FOR CONSTRUCTION

				DESIGNED:	DATE:	22-08-2022		CLIENT:	PROJECT: APSLEY RECREATION RESERVE, APSLEY - PROPOSED REDEVELOPMENT WORKS OF EXISTING COURTS - 2 MULTI PURPOSE NETBALL/TENNIS & 1 TENNIS COURT	CIVIL DRAWINGS		
				DRAWN:	SHEET SIZE:	A3				DRAWING TITLE: 2226-15		
1	COURTS SHIFTED TO THE WEST	G.DEVENISH	25.07.23	CHECKED: G. DEVENISH	SCALE:	N/A				GOAL POSTS DETAILS FOR NETBALL & TENNIS		
0	ISSUED FOR CONSTRUCTION	G.DEVENISH	21.06.23	APPROVED: G. DEVENISH						SHEET: 15 of 38		
A	ISSUED FOR COMMENTS	G.DEVENISH	29.08.22							REVISION: 1		

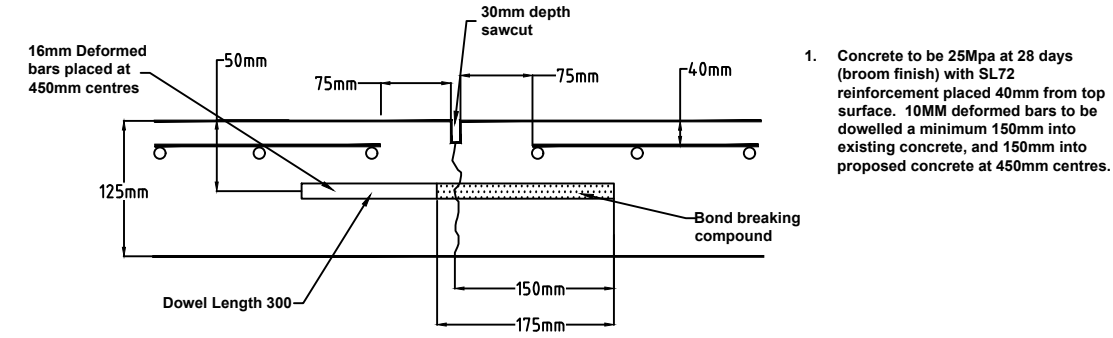


- NOTES:
1. ALL DIMENSIONS IN MILLIMETERS
 2. GRATE SHALL BE "HEEL GUARD" AND MADE TO SAME SHAPE AS OPEN CHANNEL: GRATE TO BE CLASS D
 3. GRATE TO BE HOT DIPPED GALVANISED STEEL OR CAST IRON
 4. THE TOP OF THE PIT SHALL MATCH NATURE STRIP CROSSFALL
 5. CONCRETE TO BE 25Mpa AT 28 DAYS
 6. REINFORCEMENT AND OTHER DETAILS NOT SHOWN TO COUNCIL'S STANDARD DRAINAGE PIT.
 7. FOR JUNCTION PITS CONTRACTOR TO FOLLOW IDM STANDARD DRAWING SD425.

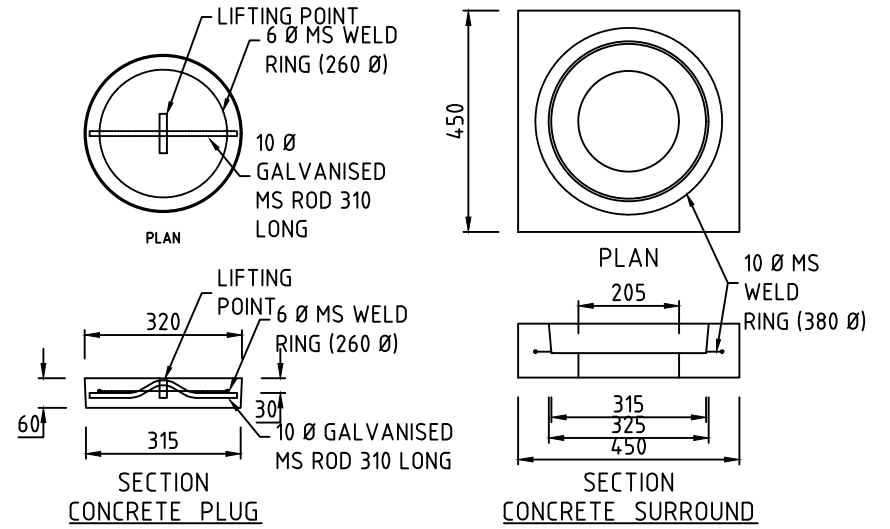
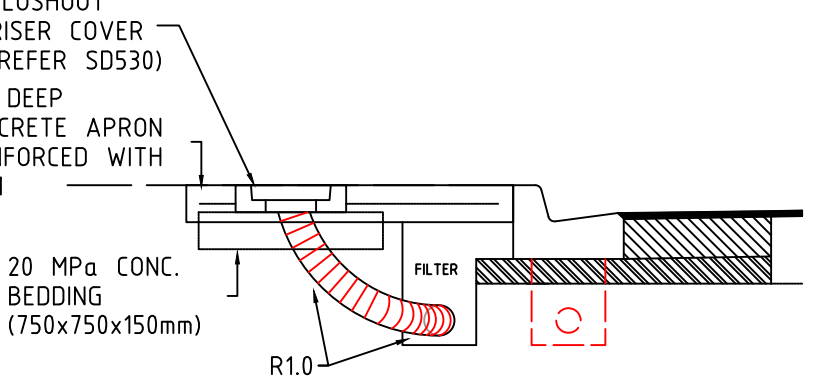
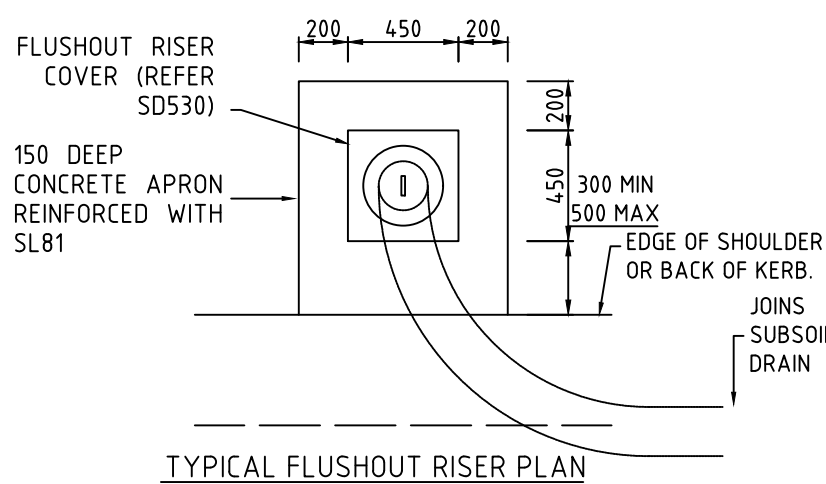
FINAL
ISSUED FOR CONSTRUCTION



TYPICAL FOOTPATH CROSS SECTION

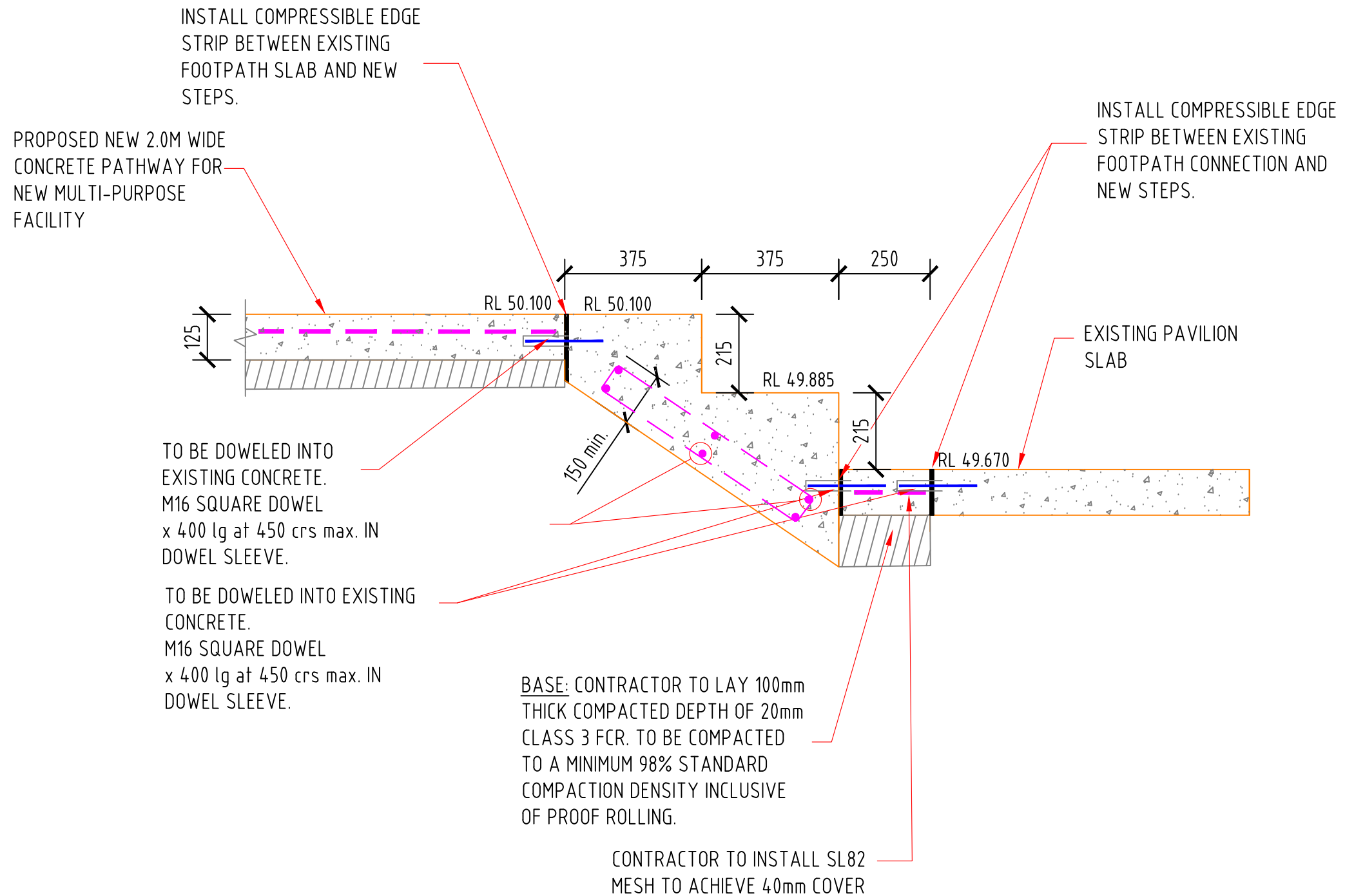


DOWELLED JOINT (All measurements in mm) NTS.



FLUSHOUT RISER COVER DETAIL

				DESIGNED:	DATE: 22-08-2022			CLIENT:	PROJECT: APSLEY RECREATION RESERVE, APSLEY - PROPOSED REDEVELOPMENT WORKS OF EXISTING COURTS - 2 MULTI PURPOSE NETBALL/TENNIS & 1 TENNIS COURT	CIVIL DRAWINGS		
				DRAWN:	SHEET SIZE: A3					DRAWING TITLE: 2226-16		
				CHECKED: G. DEVENISH	SCALE: N/A					DRAINAGE PIT, FOOTPATH AND FLUSH OUT RISER DETAILS		
0	ISSUED FOR CONSTRUCTION	G.DEVENISH	21.06.23	APPROVED: G. DEVENISH						SHEET: 16 of 38 REVISION: 1		
A	ISSUED FOR COMMENTS	G.DEVENISH	29.08.22									



**PROPOSED STEPS BETWEEN
NEW FACILITY AND EXISTING
PAVILION**

FINAL
ISSUED FOR CONSTRUCTION

				DESIGNED:	DATE: 22-08-2022		CLIENT: 	PROJECT: APSLEY RECREATION RESERVE, APSLEY - PROPOSED REDEVELOPMENT WORKS OF EXISTING COURTS - 2 MULTI PURPOSE NETBALL/TENNIS & 1 TENNIS COURT	CIVIL DRAWINGS	
				DRAWN:	SHEET SIZE: A3				DRAWING TITLE: 2226-17	
				CHECKED: G. DEVENISH	SCALE: 1:250 @ A3				PROPOSED STEPS	
1	COURT SHIFTED AS PER COUNCIL REQUEST	G.DEVENISH	25.07.23	APPROVED: G. DEVENISH					SHEET: 17 of 38	REVISION: 1



TYPICAL PROPOSED 16.0 x 2.0m
SHELTER AND SEATING

FINAL
ISSUED FOR CONSTRUCTION

				DESIGNED:	DATE:	21-08-2022		CLIENT: 	PROJECT: APSLEY RECREATION RESERVE, APSLEY - PROPOSED REDEVELOPMENT WORKS OF EXISTING COURTS - 2 MULTI PURPOSE NETBALL/TENNIS & 1 TENNIS COURT	CIVIL DRAWINGS	
1	COURTS SHIFTED TO THE WEST	G.DEVENISH	25.07.23	DRAWN:	SHEET SIZE:	A3				DRAWING TITLE: 2226-18	
0	ISSUED FOR CONSTRUCTION	G.DEVENISH	21.06.23	CHECKED: G. DEVENISH	SCALE:	N/A				TYPICAL 16x2.0m SHELTER	
B	SHELTER TYPE AMENDED	G.DEVENISH	07.09.22							APPROVED: G. DEVENISH	SHEET: 18 of 38
A	ISSUED FOR COMMENTS	G.DEVENISH	29.08.22								



SETOUT TO LIP OF EDGE STRIP
EASTING: 969.817
NORTHING: 1003.057
EXISTING RL: 49.414
DESIGN RL: 50.060

PROPOSED NEW 2000mm
CONCRETE PATHWAY FOR
PEDESTRIAN MOVEMENT
AND VIEWING.

INSTALL NEW 2.0m WIDE CONCRETE
PATHWAY TO DDA STANDARD TO
LINK TO EXISTING PAVILION FOR
WHEEL CHAIR BOUND SPECTATORS.

300mm CONCRETE EDGE STRIP
AROUND THE PERIMETER OF
THE NEW COURTS FOR FENCING
TO BE INSTALLED WITHIN.

SETOUT TO LIP OF EDGE STRIP
EASTING: 1022.689
NORTHING: 993.820
EXISTING RL: 49.941
DESIGN RL: 50.447

300mm CONCRETE EDGE STRIP
AROUND THE PERIMETER OF
THE NEW COURTS FOR FENCING
TO BE INSTALLED WITHIN.

PROPOSED NEW 2000mm
CONCRETE PATHWAY FOR
PEDESTRIAN MOVEMENT
AND VIEWING.

NOTE TO CONTRACTOR:

WHILST THE SETOUT IS SHOWN
ON THIS PLAN, IT'S IMPORTANT
THE SURVEYOR SETS OUT THE
COURTS AND OTHER STRUCTURES
AS PER THE AUTOCAD FILE
PROVIDED PRIOR TO WORKS
COMMENCING. THIS PLAN SHOULD
BE USED FOR INFORMATION ONLY.

FINAL

ISSUED FOR CONSTRUCTION



SCALE 1:250

1	COURTS SHIFTED TO THE WEST	G.DEVENISH	25.07.23
0	ISSUED FOR CONSTRUCTION	G.DEVENISH	21.06.23
B	GRADE ALTERED	G.DEVENISH	07.09.22
A	ISSUED FOR COMMENTS	G.DEVENISH	29.08.22

DESIGNED:	DATE:
DRAWN:	SHEET SIZE:
CHECKED:	SCALE:
APPROVED:	

22-08-2022
A3
1:250 @ A3

IDWALA
BUILT FOR SPORT

CLIENT:



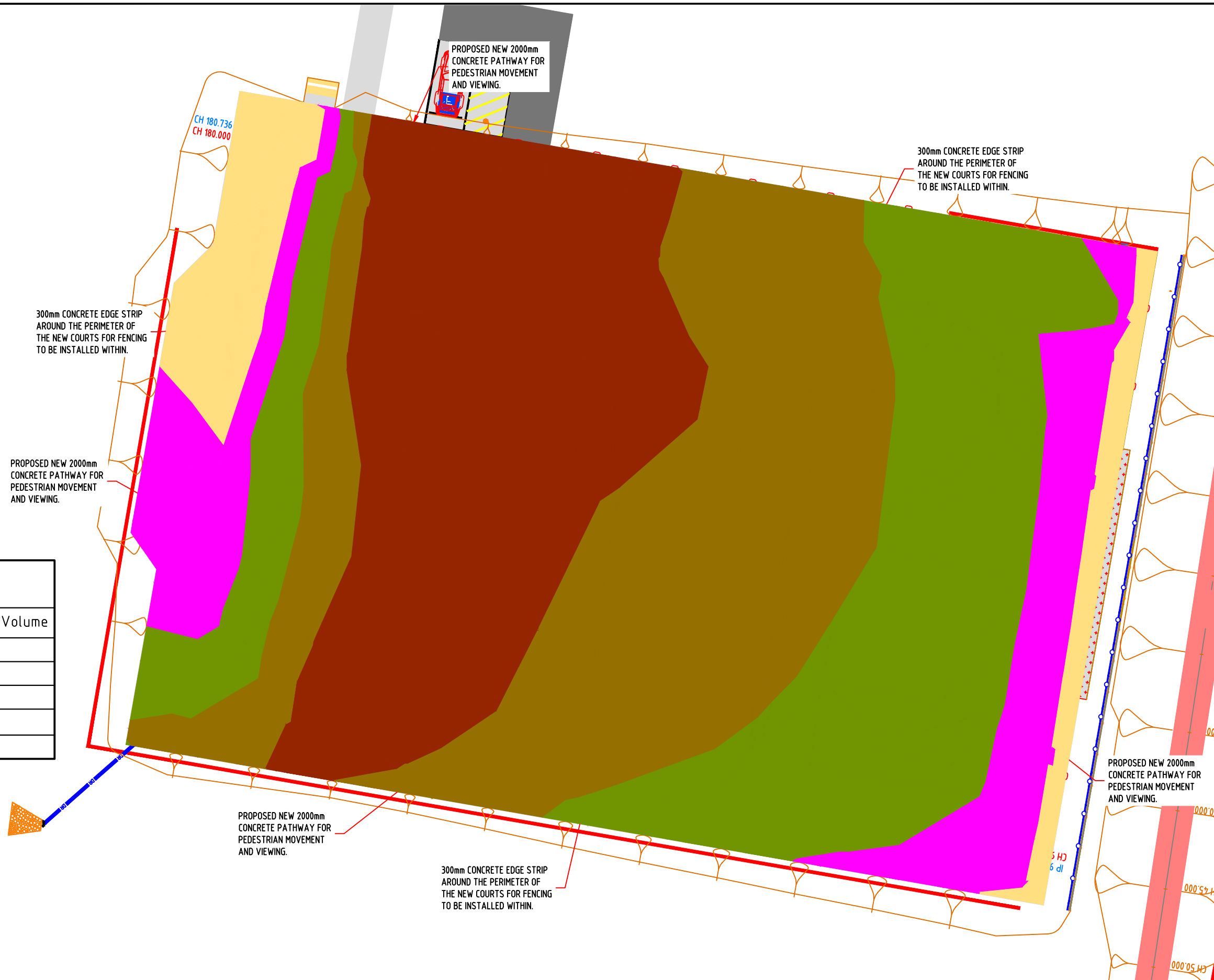
PROJECT:

APSLEY RECREATION RESERVE, APSLEY -
PROPOSED REDEVELOPMENT WORKS OF
EXISTING COURTS - 2 MULTI PURPOSE
NETBALL/TENNIS & 1 TENNIS COURT

CIVIL DRAWINGS

DRAWING TITLE: 2226-19
COURT PERIMETER SETOUT &
ALIGNMENT PLAN

SHEET: 19 of 38 REVISION: 1



Levels Table

No.	Min. Depth	Max. Depth	Colour	Range Volume
1	-0.259	-0.130		22.19m ³
2	-0.130	-0.030		109.76m ³
3	-0.030	0.00		106.23m ³
4	0.00	0.170		42.75m ³
5	0.170	0.310		50.25m ³

FINAL

ISSUED FOR CONSTRUCTION



SCALE 1:250

1	COURTS SHIFTED TO THE WEST	G.DEVENISH	24.07.23	
0	ISSUED FOR CONSTRUCTION	G.DEVENISH	21.06.23	
B	GRADE ALTERED	G.DEVENISH	07.09.22	
A	ISSUED FOR COMMENTS	G.DEVENISH	29.08.22	

DESIGNED:		DATE:	22-08-2022
DRAWN:		SHEET SIZE:	A3
CHECKED:	G. DEVENISH	SCALE:	1:250 @ A3
APPROVED:	G. DEVENISH		

IDWALA
BUILT FOR SPORT

CLIENT:



PROJECT:

APSLEY RECREATION RESERVE, APSLEY -
PROPOSED REDEVELOPMENT WORKS OF
EXISTING COURTS - 2 MULTI PURPOSE
NETBALL/TENNIS & 1 TENNIS COURT

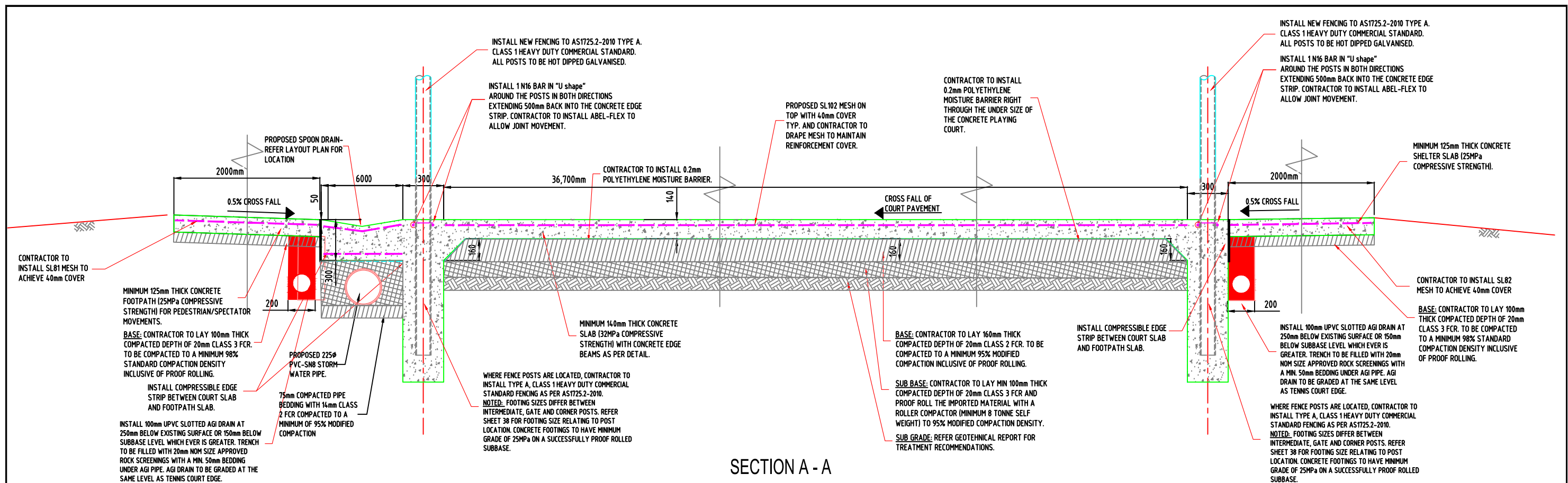
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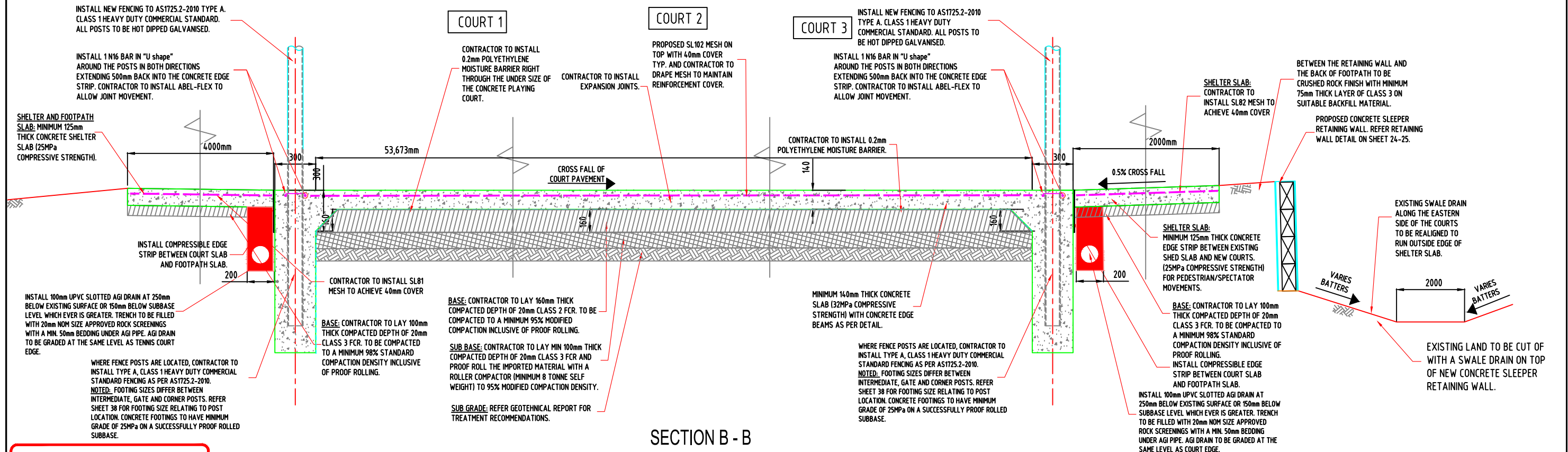
CUT AND FILL PLAN

SHEET: 20 of 38

REVISION: 1



SECTION A - A



SECTION B - B

FINAL
ISSUED FOR CONSTRUCTION

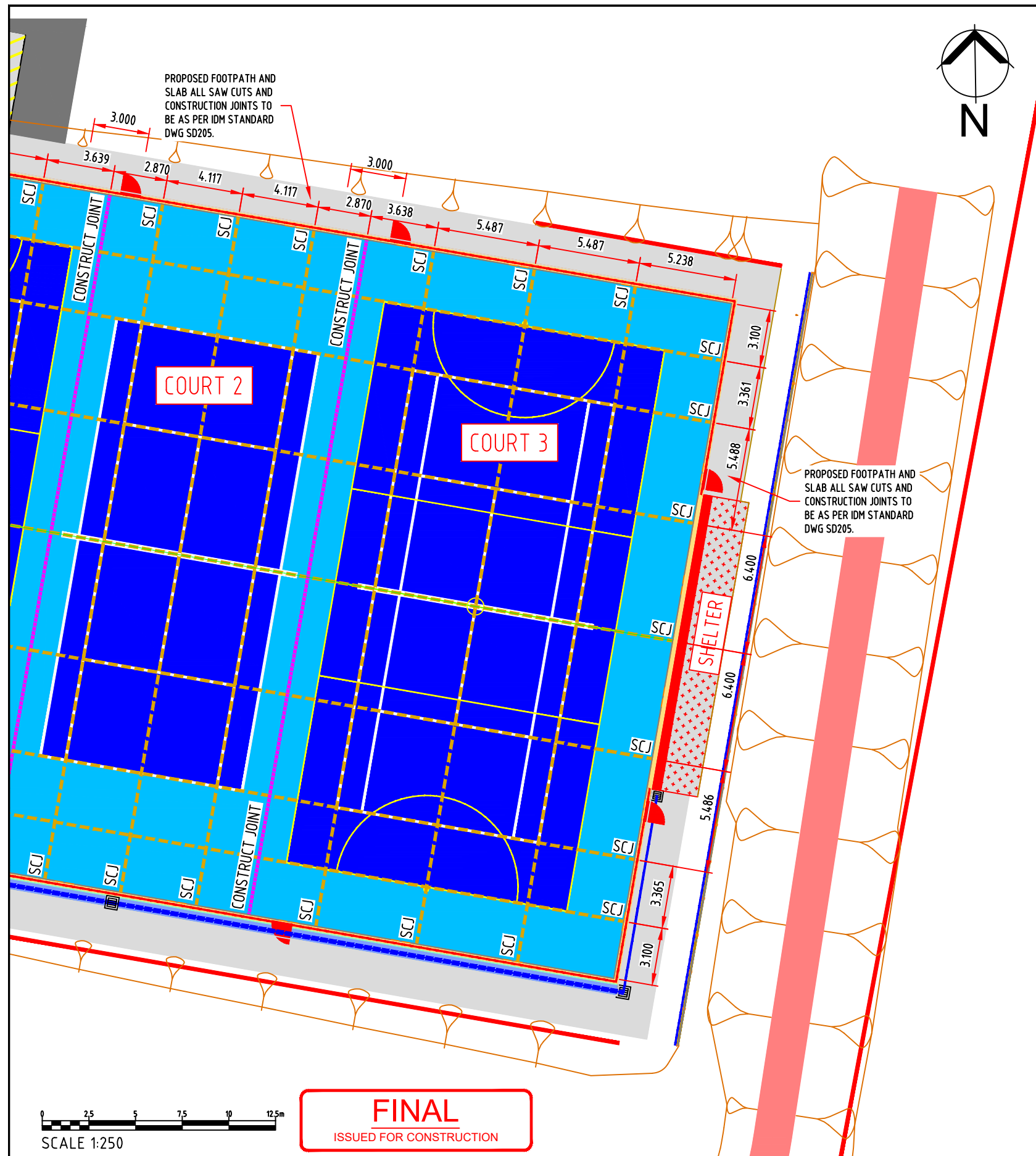
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0	ISSUED FOR CONSTRUCTION	G.DEVENISH	21.06.23	CHECKED:	SCALE:							PAVEMENT MAKE UP PLAN
B	ACO DRAINAGE SHOWN IN SECTION A-A	G.DEVENISH	07.09.22	APPROVED:							SHEET:	21 of 38
A	ISSUED FOR COMMENTS	G.DEVENISH	29.08.22								REVISION:	1

IDWALA
BUILT FOR SPORT



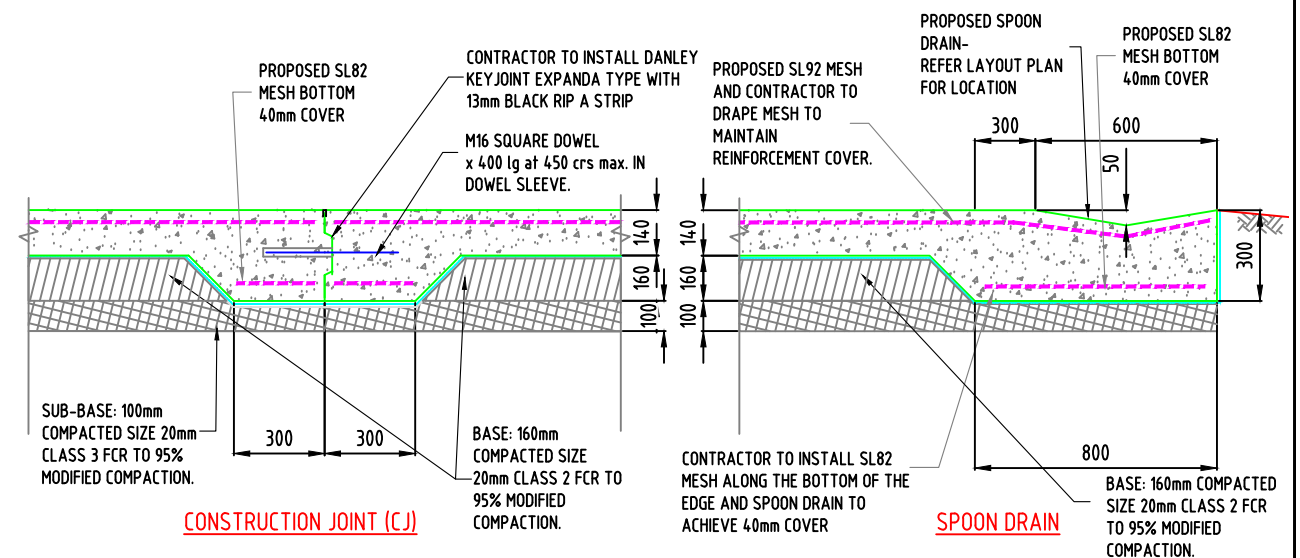
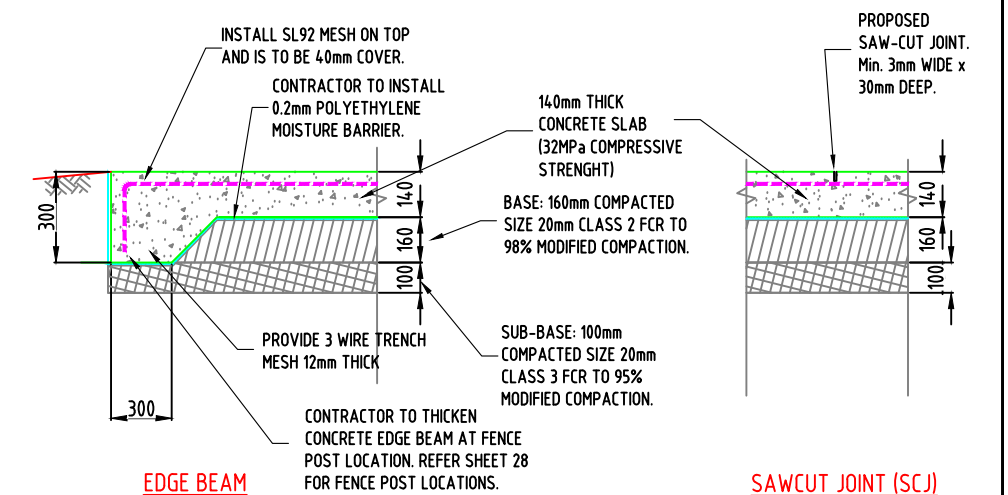


				DESIGNED:	DATE: 22-08-2022		CLIENT: 	PROJECT: APSLEY RECREATION RESERVE, APSLEY - PROPOSED REDEVELOPMENT WORKS OF EXISTING COURTS - 2 MULTI PURPOSE NETBALL/TENNIS & 1 TENNIS COURT	CIVIL DRAWINGS	
				DRAWN:	SHEET SIZE: A3				DRAWING TITLE: 2226-22	
1	COURTS SHIFTED TO THE WEST	G.DEVENISH	24.07.23	CHECKED: G. DEVENISH	SCALE:				CONCRETE SAW CUT & CONSTRUCTION	
0	ISSUED FOR CONSTRUCTION	G.DEVENISH	21.06.23	APPROVED: G. DEVENISH					JOINT PLAN - SHEET 1 of 2	
A	ISSUED FOR COMMENTS	G.DEVENISH	29.08.22			SHEET: 22 of 38		REVISION: 1		

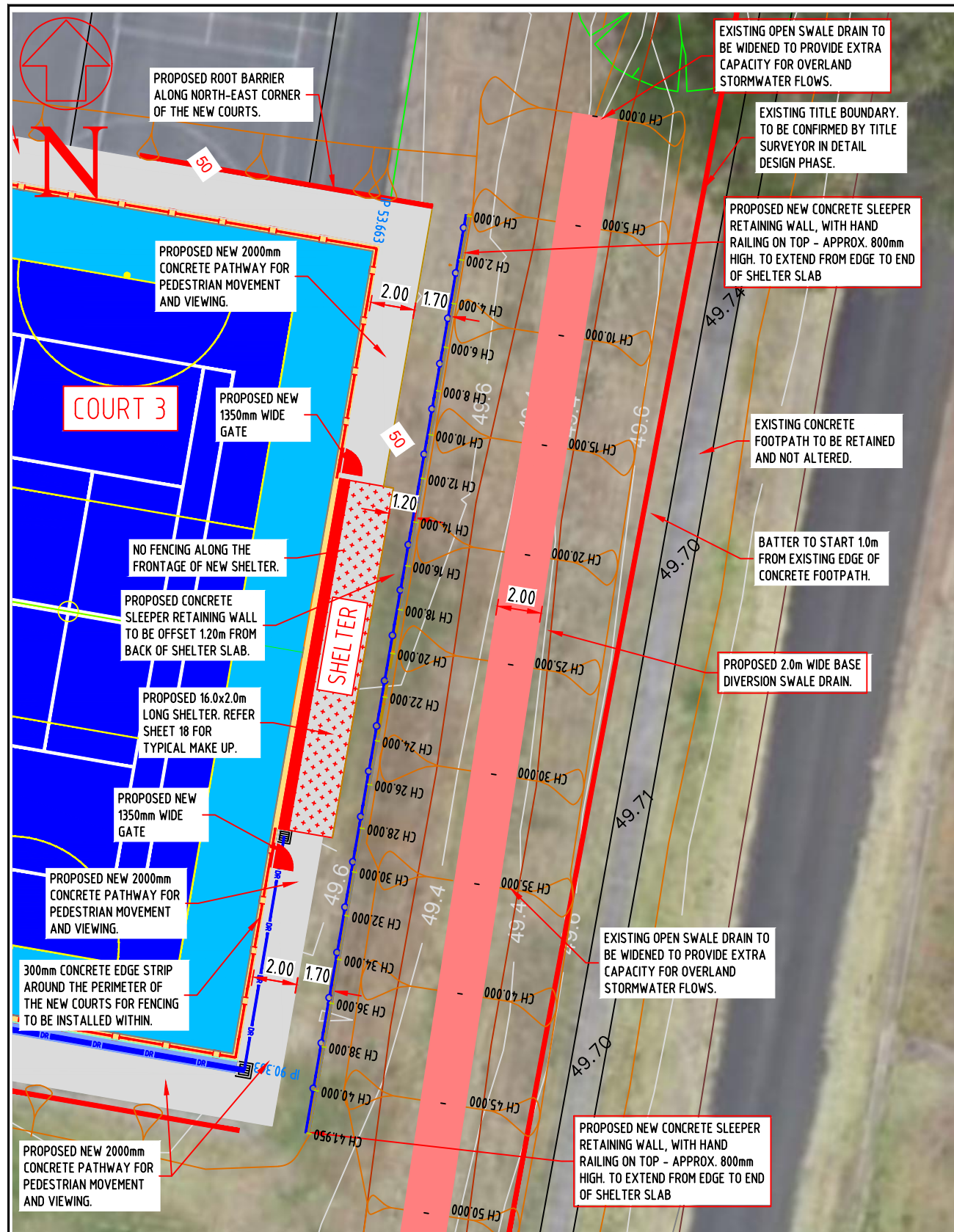


CONSTRUCTION MATERIALS

1. CONCRETE SLAB TO BE MINIMUM OF 32MPa COMPRESSIVE STRENGTH WITH A MAXIMUM AGGREGATE SIZE OF 20mm AND A SLUMP OF 80mm, UNLESS SPECIFIED OTHERWISE. AT NO POINT THE CONTRACTOR IS TO ADD WATER AFTER DESPATCH FROM THE CONCRETE PLANT.
2. SITE IS TO BE SET OUT AND BOXING IS PLACED AROUND THE PERIMETER TO CONTAIN THE CONCRETE AT TIME OF POUR. FINISHED SLAB HEIGHT AND GRADING TO BE CONFIRMED BY A QUALIFIED SURVEYOR TO MAKE SURE IT'S AT DESIGN HEIGHTS. COUNCIL SUPERINTENDENT TO BE PRESENT WHEN THIS OCCURS. THE FINAL TOLERANCE ON THE FINISHED SURFACE SHALL BE +/- 3mm SUCH THAT NO POINT ON THE COURT SHALL VARY GREATER THAN 3mm UNDER A 3.0m STRAIGHT EDGE ON ANY TWO POINTS ON THE COURT.
3. STEEL MESH TO BE PLACED OVER THE CONSTRUCTION FILM IN SHEETS, EACH SHEET OVERLAPPED BY ONE SQUARE (200mm) AND TIED WITH TIE WIRE.
4. CONTRACTOR TO PROVIDE 0.2mm THICK POLYETHYLENE VAPOUR BARRIER UNDER THE ENTIRE CONCRETE SLAB AREA TO PREVENT WATER PENETRATION.
5. AT NO POINT CONTRACTOR IS TO ADD CURING AGENTS AND OTHER ADDITIVES AS IT CONTRIBUTES TO POOR ADHESION OF THE ACRYLIC SURFACE.
6. A SERIES OF 3mm x 30mm SAW CUTS SHALL BE CUT AS PER PLAN TO MINIMISE RANDOM CRACKING.
7. A MINIMUM 28 DAYS OF CURING OF THE CONCRETE SHALL BE ALLOWED PRIOR TO APPLYING THE ACRYLIC SURFACE.
8. CONTRACTOR MUST ENSURE PROPER CURING OF THE CONCRETE PAVEMENT ON HOT DAYS OVER 23 DEGREES CELSIUS AND/OR WINDY DAYS AS PER CGAA APRIL 2006 - CURING OC CONCRETE DATA SHEET.

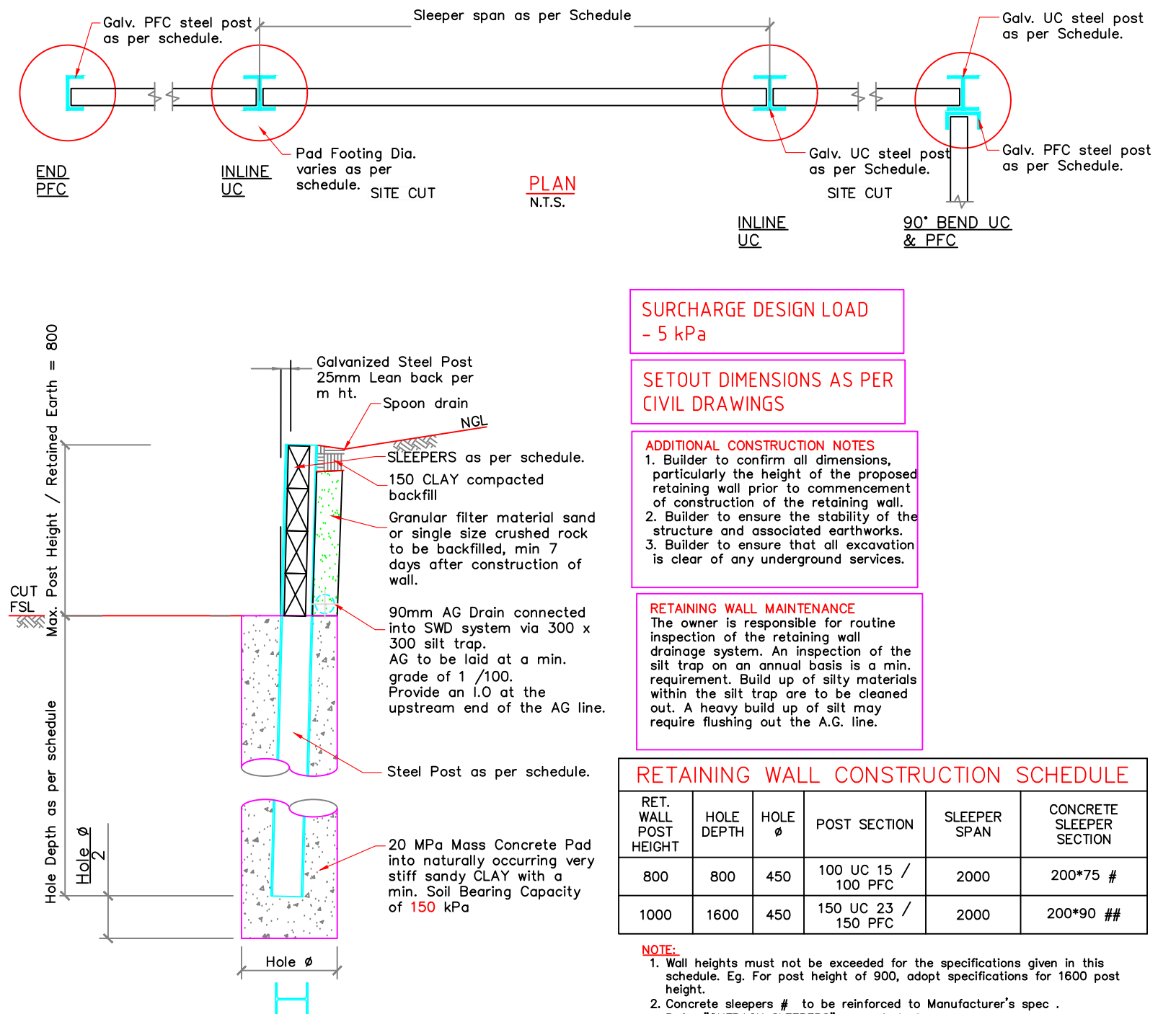


				DESIGNED:	DATE: 22-08-2022		CLIENT: 	PROJECT: APSLEY RECREATION RESERVE, APSLEY - PROPOSED REDEVELOPMENT WORKS OF EXISTING COURTS - 2 MULTI PURPOSE NETBALL/TENNIS & 1 TENNIS COURT	CIVIL DRAWINGS	
				DRAWN:	SHEET SIZE: A3				DRAWING TITLE: 2226-23	
1	COURTS SHIFTED TO THE WEST	G.DEVENISH	24.07.23	CHECKED: G. DEVENISH	SCALE:				CONCRETE SAW CUT & CONSTRUCTION JOINT PLAN - SHEET 2 of 2	
0	ISSUED FOR CONSTRUCTION	G.DEVENISH	21.06.23	APPROVED: G. DEVENISH					SHEET: 23 of 38 REVISION: 1	
A	ISSUED FOR COMMENTS	G.DEVENISH	29.08.22							



FINAL
ISSUED FOR CONSTRUCTION

				DESIGNED:	DATE:	20-08-2022
				DRAWN:	SHEET SIZE:	A3
				CHECKED:	G. DEVENISH	SCALE:
				APPROVED:	G. DEVENISH	1:250 @ A3
1	COURT SHIFTED AS PER COUNCIL REQUEST	G.DEVENISH	25.07.23			



SURCHARGE DESIGN LOAD
- 5 kPa

SETOUT DIMENSIONS AS PER CIVIL DRAWINGS

ADDITIONAL CONSTRUCTION NOTES
1. Builder to confirm all dimensions, particularly the height of the proposed retaining wall prior to commencement of construction of the retaining wall.
2. Builder to ensure the stability of the structure and associated earthworks.
3. Builder to ensure that all excavation is clear of any underground services.

RETAINING WALL MAINTENANCE
The owner is responsible for routine inspection of the retaining wall drainage system. An inspection of the silt trap on an annual basis is a min. requirement. Build up of silty materials within the silt trap are to be cleaned out. A heavy build up of silt may require flushing out the A.G. line.

RETAINING WALL CONSTRUCTION SCHEDULE					
RET. WALL POST HEIGHT	HOLE DEPTH	HOLE ϕ	POST SECTION	SLEEPER SPAN	CONCRETE SLEEPER SECTION
800	800	450	100 UC 15 / 100 PFC	2000	200*75 #
1000	1600	450	150 UC 23 / 150 PFC	2000	200*90 ##

NOTE:
1. Wall heights must not be exceeded for the specifications given in this schedule. Eg. For post height of 900, adopt specifications for 1600 post height.
2. Concrete sleepers # to be reinforced to Manufacturer's spec. Refer "OUTBACK SLEEPERS" or equivalent.
• # Standard (Green)
• ## Heavy Duty (Yellow)

IDWALA
BUILT FOR SPORT

CLIENT:



PROJECT:

APSLEY RECREATION RESERVE, APSLEY - PROPOSED REDEVELOPMENT WORKS OF EXISTING COURTS - 2 MULTI PURPOSE NETBALL/TENNIS & 1 TENNIS COURT

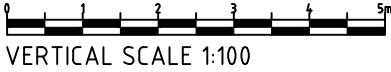
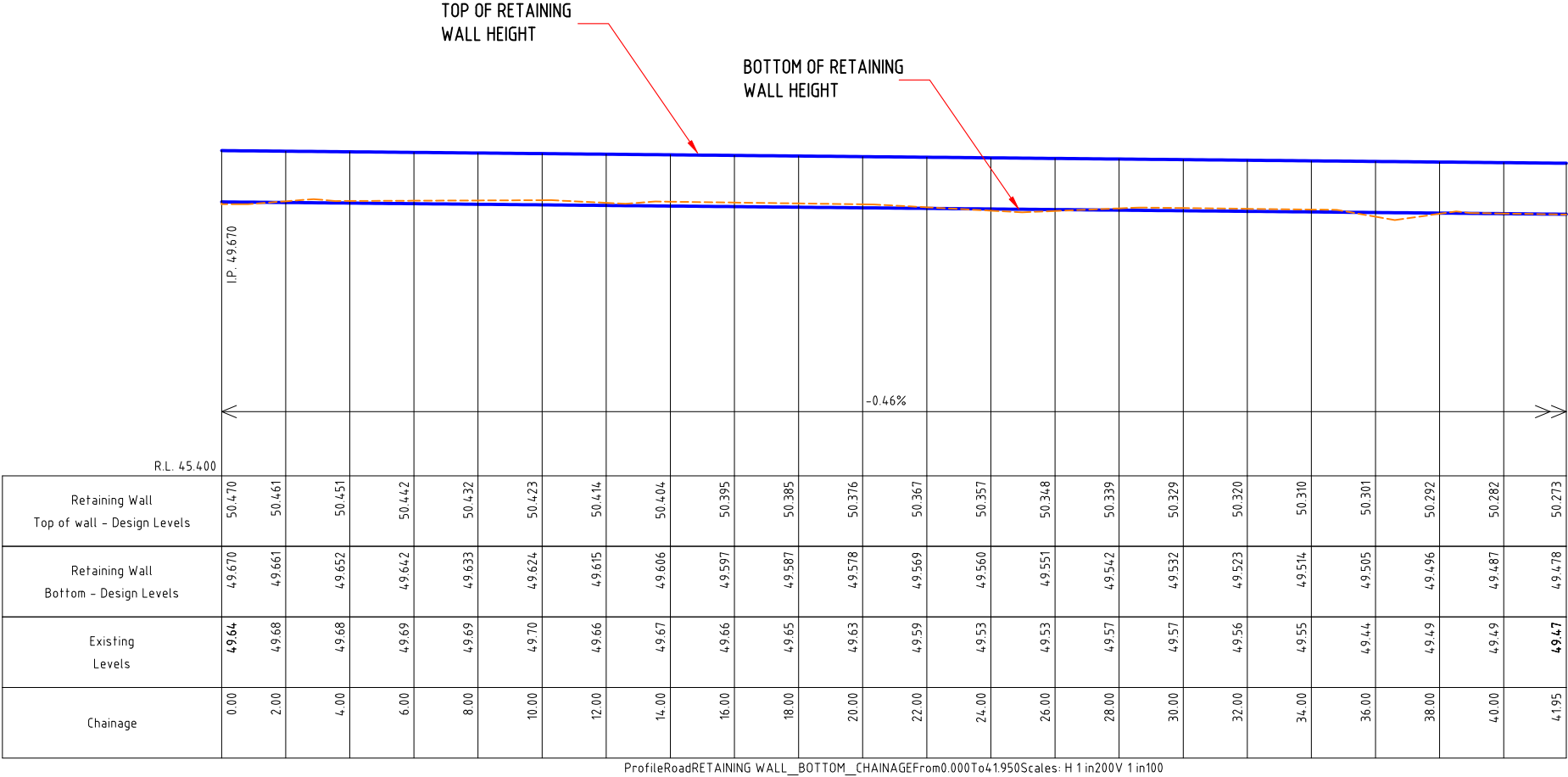
CIVIL DRAWINGS

DRAWING TITLE: 2226-24

RETAINING WALL LAYOUT PLAN

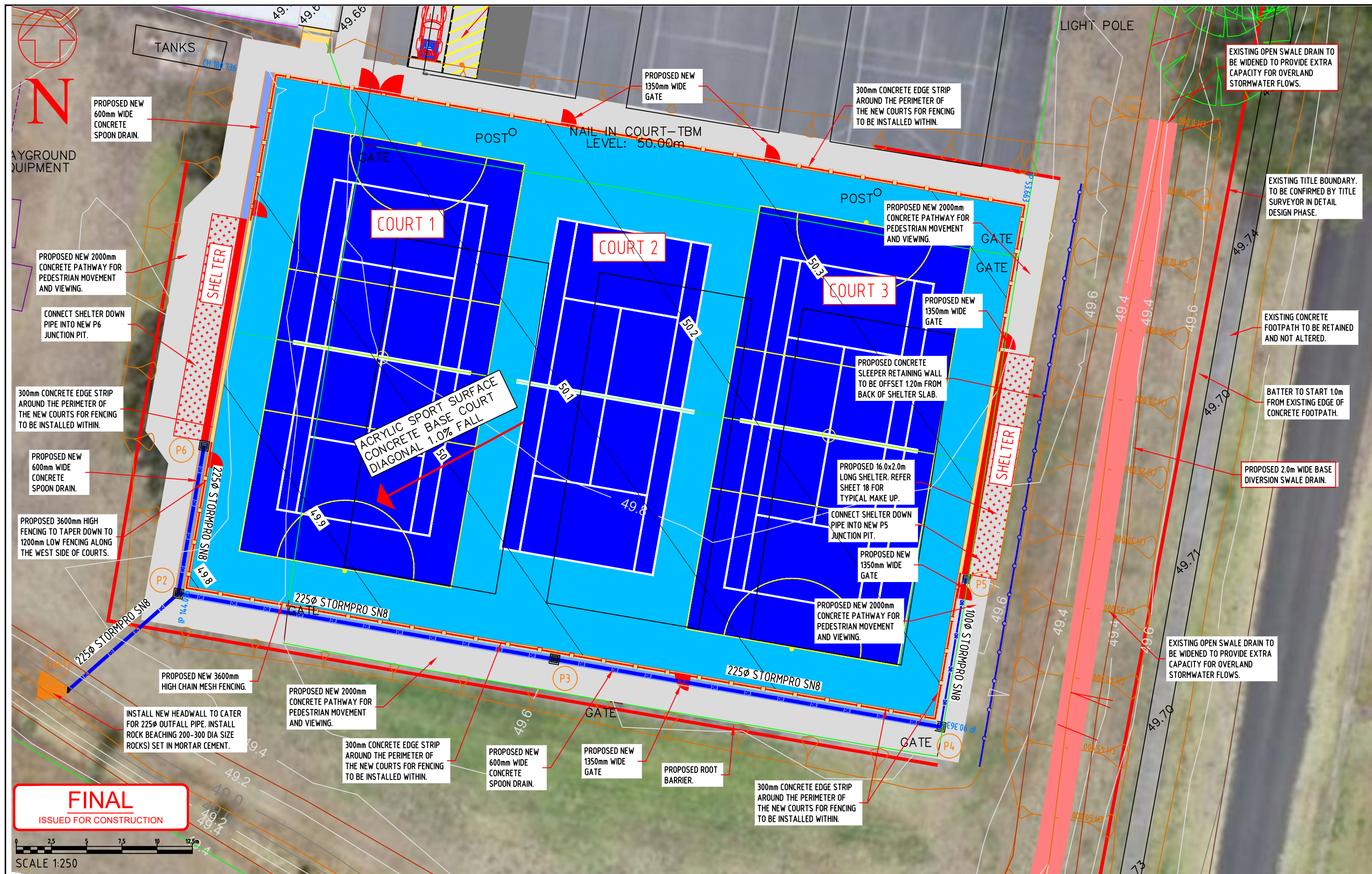
SHEET: 24 of 38

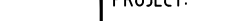
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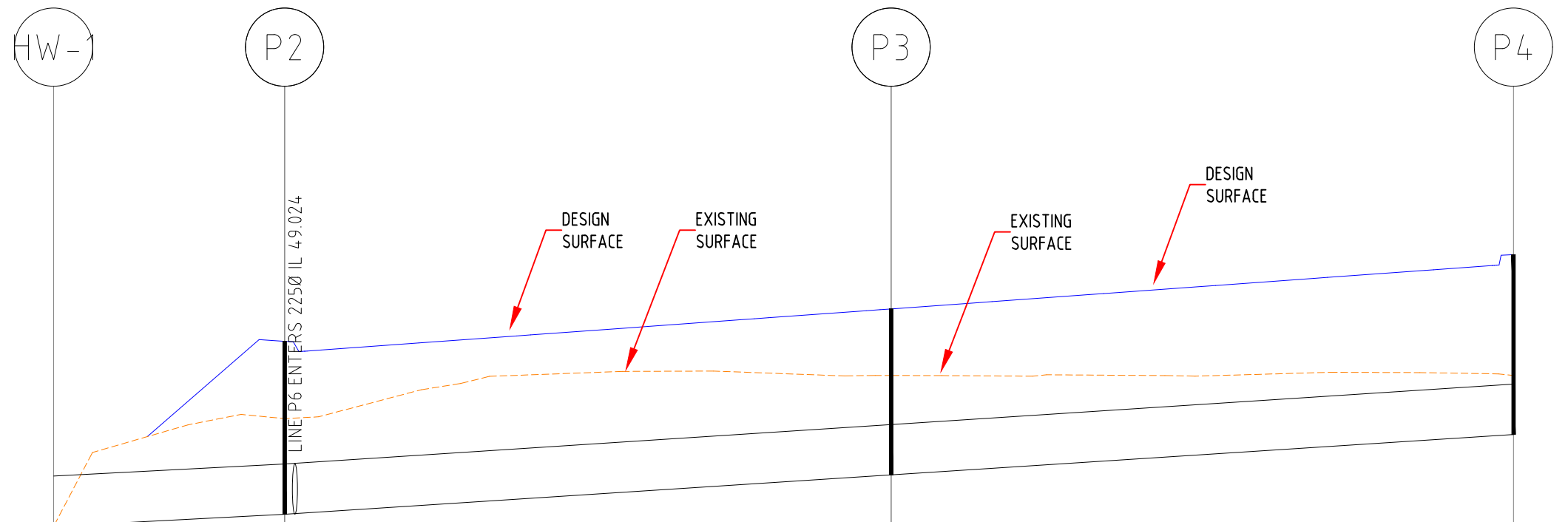


FINAL
ISSUED FOR CONSTRUCTION

					DESIGNED:	DATE: 20-08-2022			CLIENT: PROJECT: APSLEY RECREATION RESERVE, APSLEY - PROPOSED REDEVELOPMENT WORKS OF EXISTING COURTS - 2 MULTI PURPOSE NETBALL/TENNIS & 1 TENNIS COURT	CIVIL DRAWINGS	
					DRAWN:	SHEET SIZE: A3				DRAWING TITLE: 2226-25	
					CHECKED: G. DEVENISH	SCALE: 1:250 @ A3				RETAINING WALL LONGITUDINAL SECTION	
1	COURT SHIFTED AS PER COUNCIL REQUEST	G.DEVENISH		25.07.23	APPROVED: G. DEVENISH					SHEET: 25 of 38	REVISION: 1



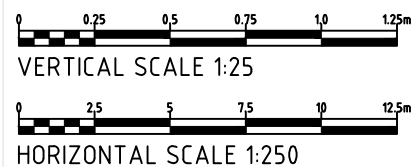
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				DRAWN:	SHEET SIZE:	A3				DRAWING TITLE: 2226-26	
1	COURTS SHIFTED TO THE WEST	G.DEVENISH	24.07.23	CHECKED:	G. DEVENISH	SCALE:				DRAINAGE LAYOUT PLAN	
0	ISSUED FOR CONSTRUCTION	G.DEVENISH	21.06.23	APPROVED:	G. DEVENISH	1:250 @ A3					
A	ISSUED FOR COMMENTS	G.DEVENISH	29.08.22							SHEET: 26 of 38	REVISION: 1



CAPACITY (l/sec)
VELOCITY (m/s)
PIPE DETAILS
SLOPE/GRADE
DATUM RL 47.7

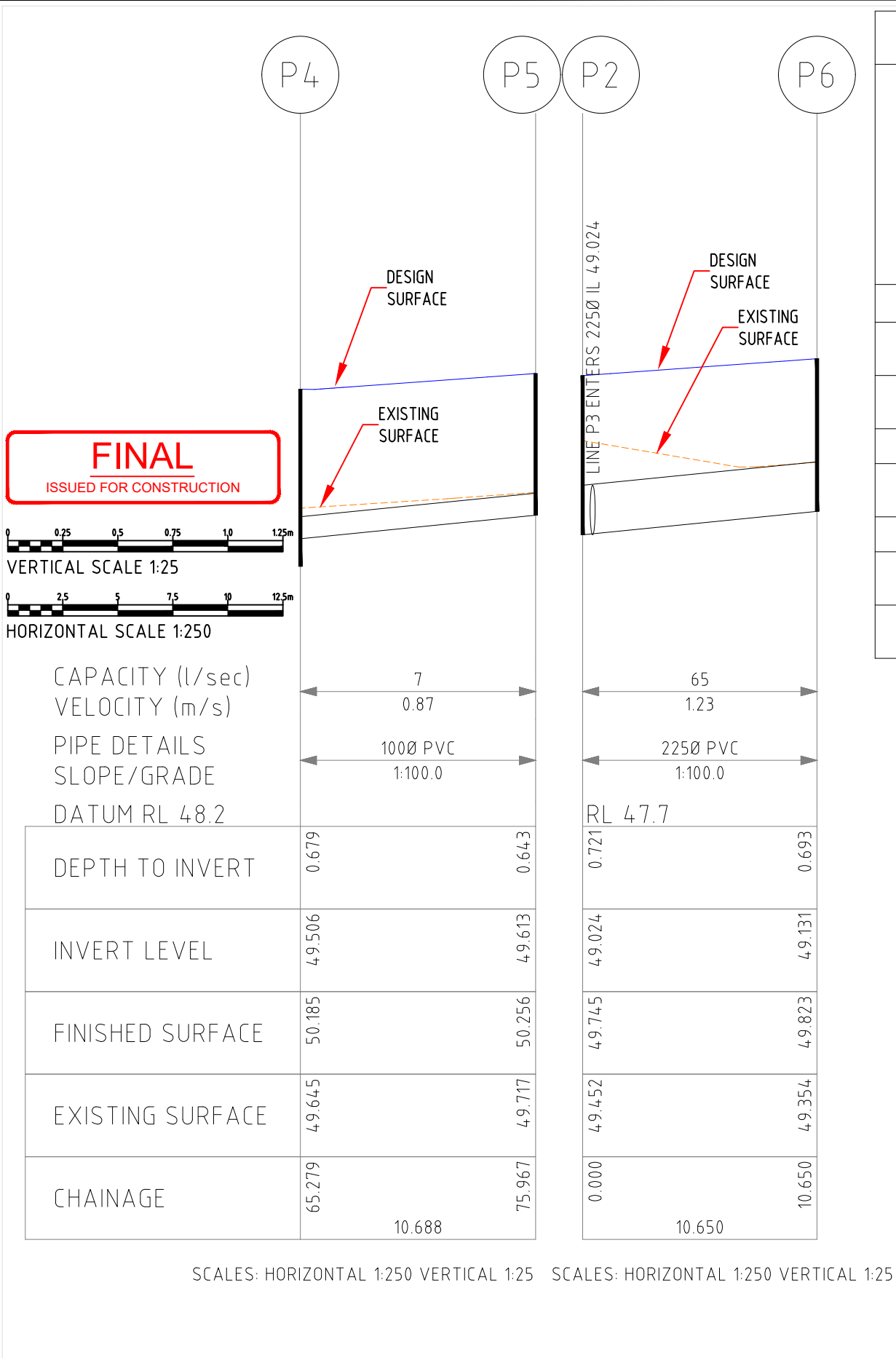
		47	52	52	
		1.34	1.12	0.67	
		2250 PVC	2250 PVC	2250 PVC	
		1:191.3	1:154.0	1:154.0	
DEPTH TO INVERT	0.000	0.721			0.804
INVERT LEVEL	48.970	49.024			49.381
FINISHED SURFACE	48.970	49.745			50.185
EXISTING SURFACE	48.970	49.452			49.645
CHAINAGE	0.000	10.331	27.116	37.447	65.279

FINAL
ISSUED FOR CONSTRUCTION

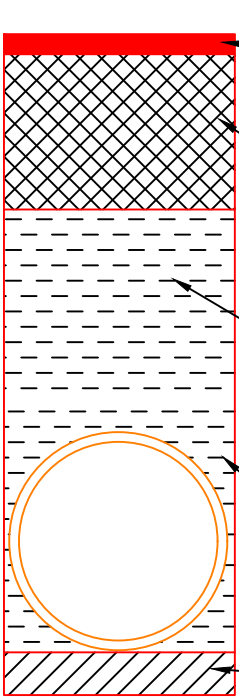


DRAINAGE LONGITUNDINAL SECTION FOR LINE 1
SCALES: HORIZONTAL 1:250 VERTICAL 1:25

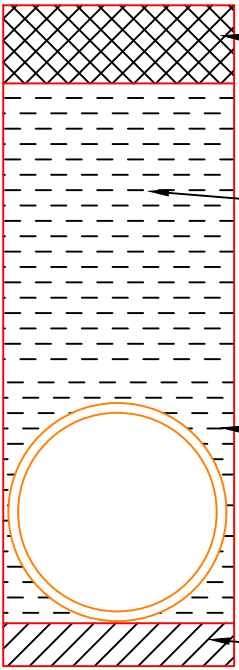
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				DRAWN:	SHEET SIZE: A3				DRAWING TITLE: 2226-27	
1	COURTS SHIFTED TO THE WEST	G.DEVENISH	24.07.23	CHECKED: G. DEVENISH	SCALE: 1:250 @ A3				DRAINAGE LONGITUNDINAL SECTION - SHEET 1 of 2	
0	ISSUED FOR CONSTRUCTION	G.DEVENISH	21.06.23	APPROVED: G. DEVENISH					SHEET: 27 of 38	REVISION: 1
A	ISSUED FOR COMMENTS	G.DEVENISH	29.08.22							



Pit Schedule - V2 drainage											
Pit No.	Pit Type	Pit Width	Pit Length	Outlet Diameter	Outlet Invert RL	Inlet Diameter	Inlet Invert RL	Pit Depth	Pit Lid Level	Easting	Northing
		(mm)	(mm)	(mm)	(m)	(mm)	(m)	(m)	(m)	(m)	(m)
HW-1	HEADWALL					225	48.970			955.00	959.572
P2	GRATED JUNCTION PIT	450	450	225	49.024	225	49.024	0.721	49.745	962.76	966.386
P3	GRATED JUNCTION PIT	450	450	225	49.200	225	49.200	0.742	49.942	989.48	961.720
P6	GRATED JUNCTION PIT	450	450	225	49.131			0.693	49.823	964.60	976.878
P4	JUNCTION PIT LID	450	450	225	49.381	100	49.506	0.804	50.185	1016.89	956.930
P5	JUNCTION PIT LID	450	450	100	49.613			0.643	50.256	1018.69	967.465

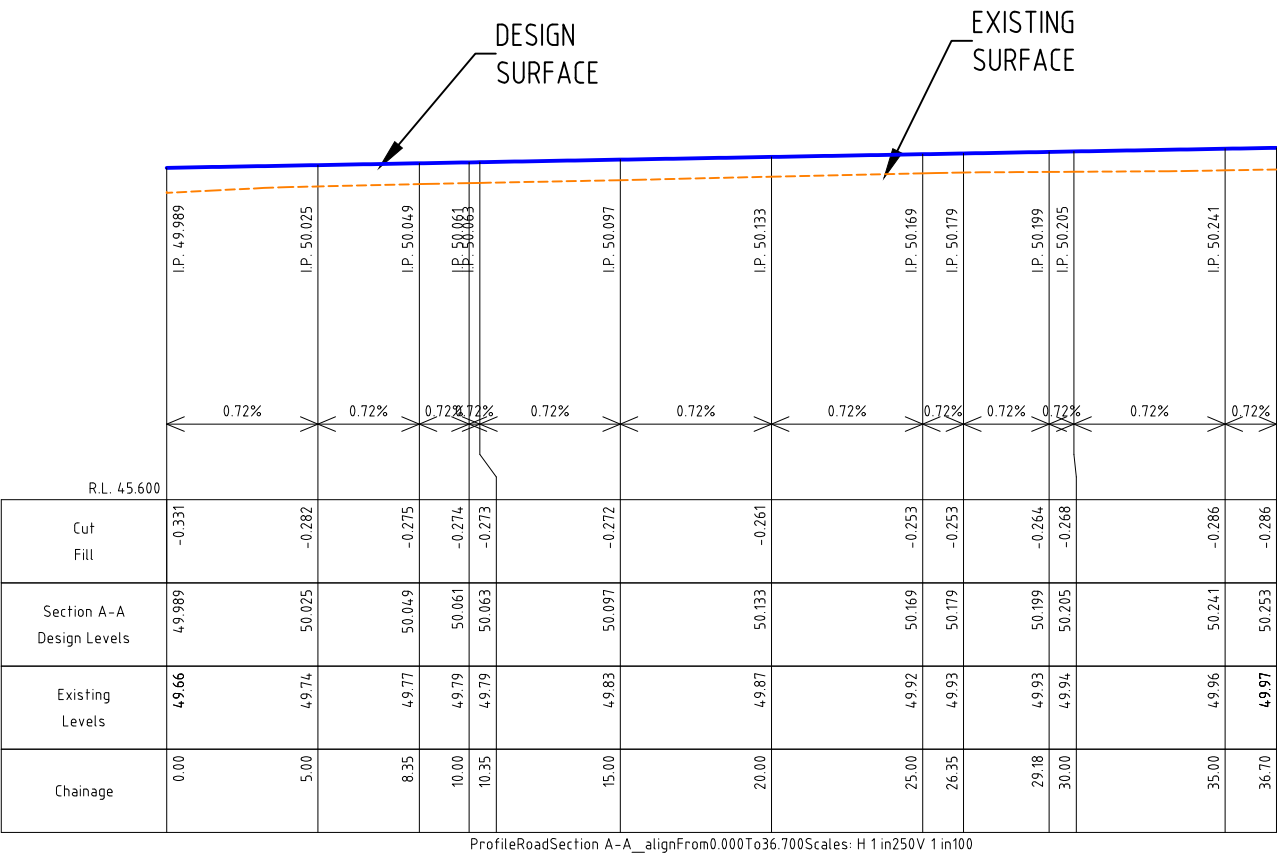


TYPICAL BACKFILL
UNDER ROAD
PAVEMENT



TYPICAL BACKFILL
WITHIN RESERVES

				DESIGNED:	DATE:	22-08-2022		CLIENT: 	PROJECT: APSLEY RECREATION RESERVE, APSLEY - PROPOSED REDEVELOPMENT WORKS OF EXISTING COURTS - 2 MULTI PURPOSE NETBALL/TENNIS & 1 TENNIS COURT	CIVIL DRAWINGS	
				DRAWN:	SHEET SIZE:	A3				DRAWING TITLE: 2226-28 DRAINAGE LONGITUDINAL SECTION & PIT SCHEDULE - SHEET 2 of 2	
1	COURTS SHIFTED TO THE WEST	G.DEVENISH	24.07.23	CHECKED:	G. DEVENISH	SCALE:				SHEET: 28 of 38	REVISION: 1
0	ISSUED FOR CONSTRUCTION	G.DEVENISH	21.06.23	APPROVED:	G. DEVENISH	1:250 @ A3					
A	ISSUED FOR COMMENTS	G.DEVENISH	29.08.22								



FINAL
ISSUED FOR CONSTRUCTION

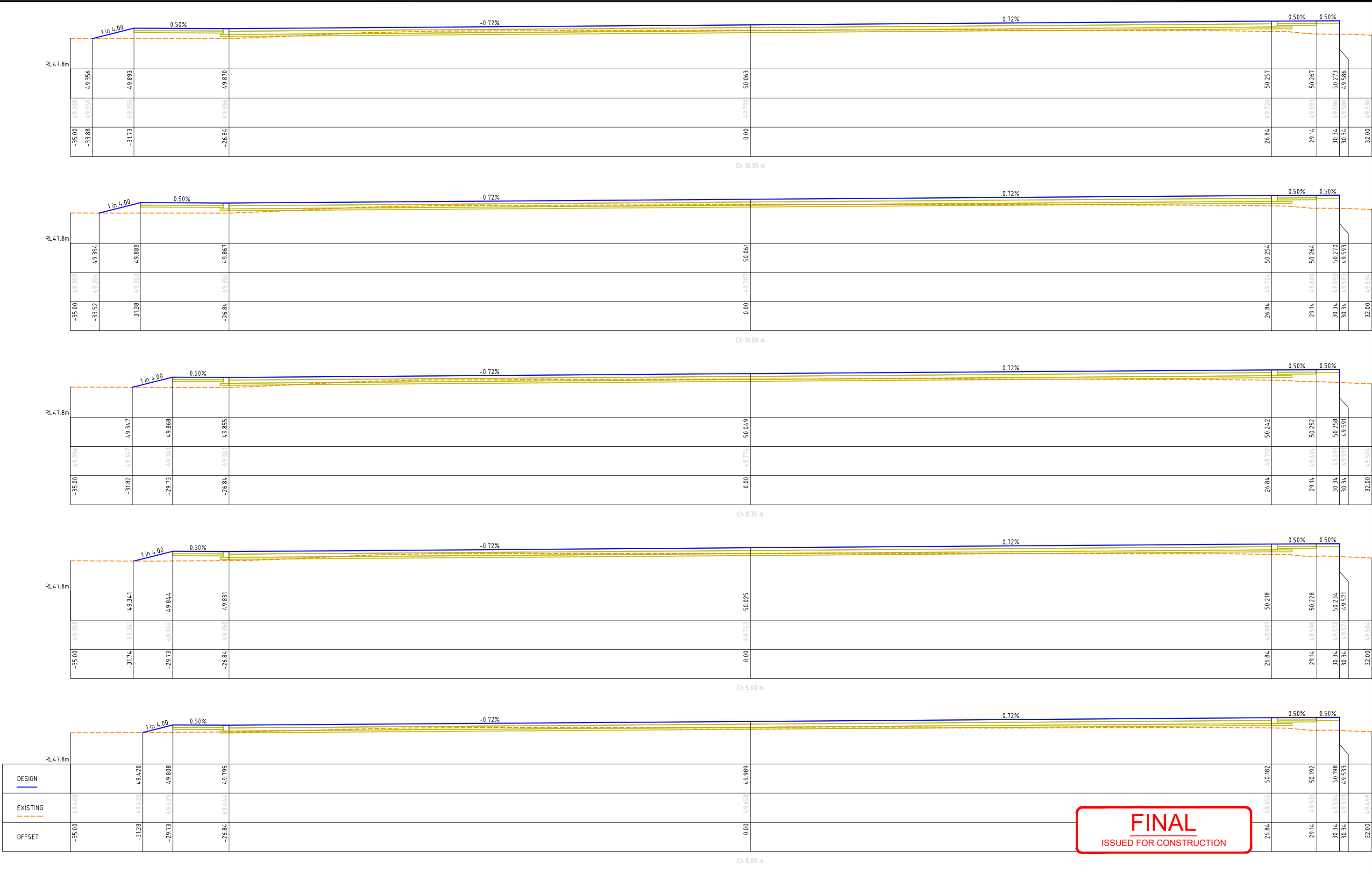


VERTICAL SCALE 1:100

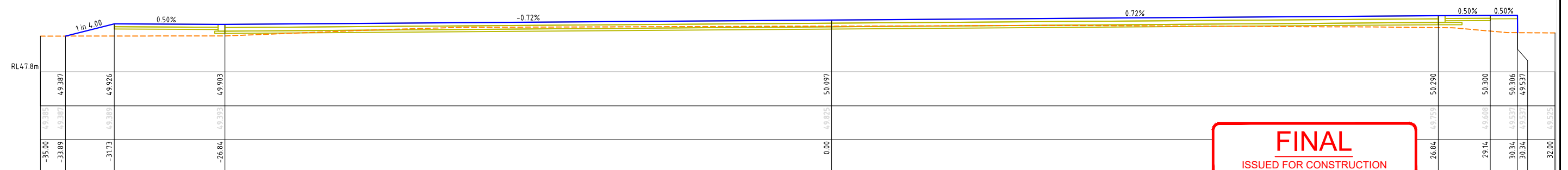
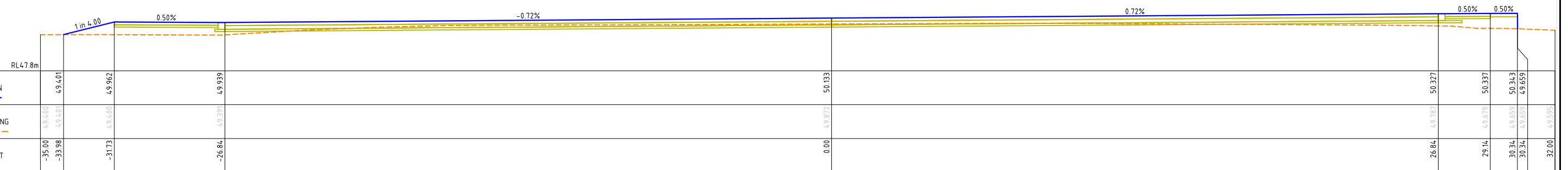
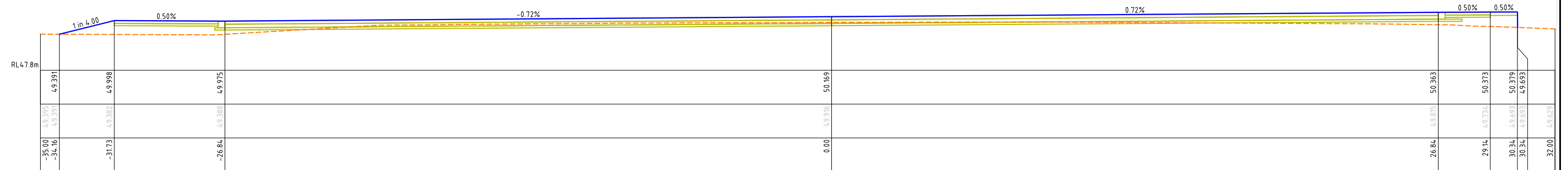
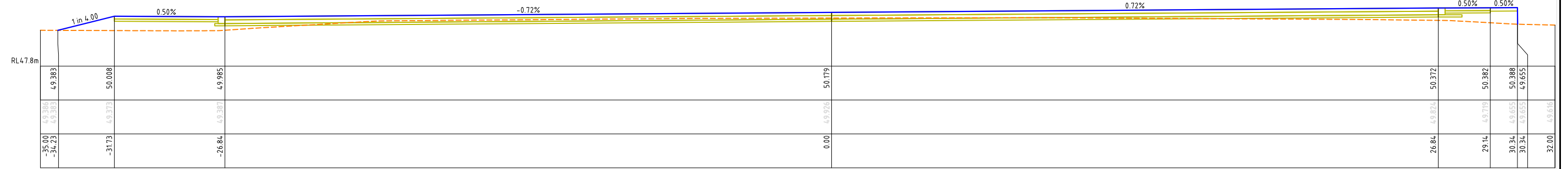
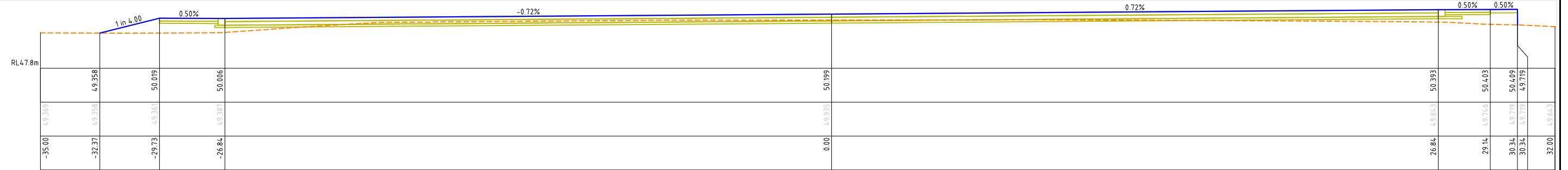


HORIZONTAL SCALE 1:250

				DESIGNED:	DATE: 22-08-2022		CLIENT:	PROJECT: APSLEY RECREATION RESERVE, APSLEY - PROPOSED REDEVELOPMENT WORKS OF EXISTING COURTS - 2 MULTI PURPOSE NETBALL/TENNIS & 1 TENNIS COURT	CIVIL DRAWINGS	
				DRAWN:	SHEET SIZE: A3				DRAWING TITLE: 2226-30	
1	COURTS SHIFTED TO THE WEST	G.DEVENISH	25.07.23	CHECKED: G. DEVENISH	SCALE:				SECTION A-A	
0	ISSUED FOR CONSTRUCTION	G.DEVENISH	21.06.23	APPROVED: G. DEVENISH					LONGITUDINAL SECTION	
A	ISSUED FOR COMMENTS	G.DEVENISH	29.08.22						SHEET: 30 of 38	REVISION: 1

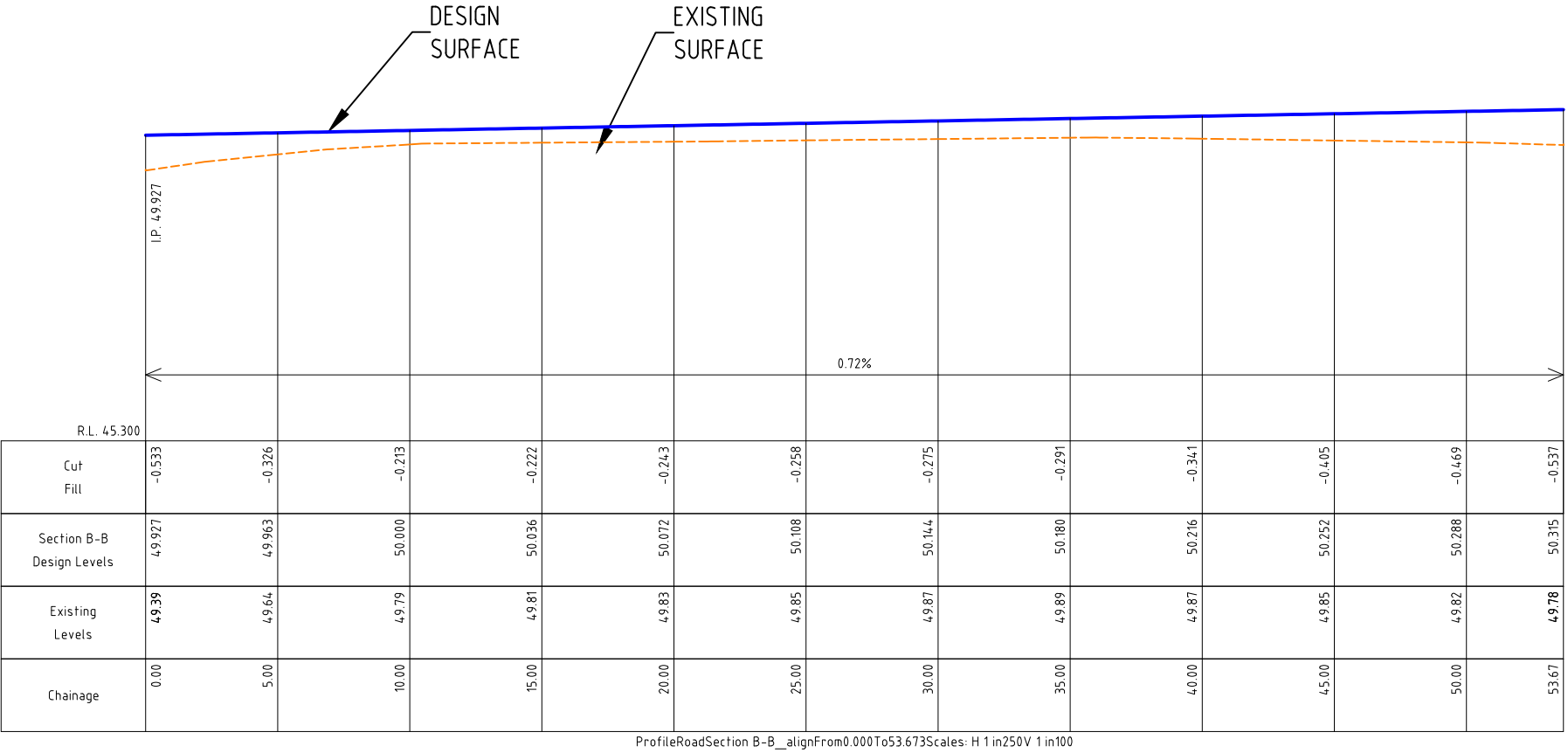


				DESIGNED:	DATE:	22-08-2022		CLIENT: 	PROJECT: APSLEY RECREATION RESERVE, APSLEY - PROPOSED REDEVELOPMENT WORKS OF EXISTING COURTS - 2 MULTI PURPOSE NETBALL/TENNIS & 1 TENNIS COURT	CIVIL DRAWINGS	
				DRAWN:	SHEET SIZE:	A3				DRAWING TITLE: 2226-31	
1	COURTS SHIFTED TO THE WEST	G.DEVENISH	25.07.23	CHECKED:	G. DEVENISH	SCALE: NOT TO SCALE				SECTION A-A CROSS SECTION - SHEET 1 of 2	
0	ISSUED FOR CONSTRUCTION	G.DEVENISH	21.06.23	APPROVED:	G. DEVENISH					SHEET: 31 of 38	REVISION: 1
A	ISSUED FOR COMMENTS	G.DEVENISH	29.08.22								



FINAL
ISSUED FOR CONSTRUCTION

				DESIGNED:	DATE:	22-08-2022			CLIENT:	PROJECT: APSLEY RECREATION RESERVE, APSLEY - PROPOSED REDEVELOPMENT WORKS OF EXISTING COURTS - 2 MULTI PURPOSE NETBALL/TENNIS & 1 TENNIS COURT	CIVIL DRAWINGS	
				DRAWN:	SHEET SIZE:	A3					DRAWING TITLE: 2226-32	
1	COURTS SHIFTED TO THE WEST	G.DEVENISH	25.07.23	CHECKED: G. DEVENISH	SCALE:	NOT TO SCALE					SECTION A-A	
0	ISSUED FOR CONSTRUCTION	G.DEVENISH	21.06.23	APPROVED: G. DEVENISH							CROSS SECTION - SHEET 2 of 2	
A	ISSUED FOR COMMENTS	G.DEVENISH	29.08.22				SHEET: 32 of 38	REVISION: 1				



FINAL
ISSUED FOR CONSTRUCTION

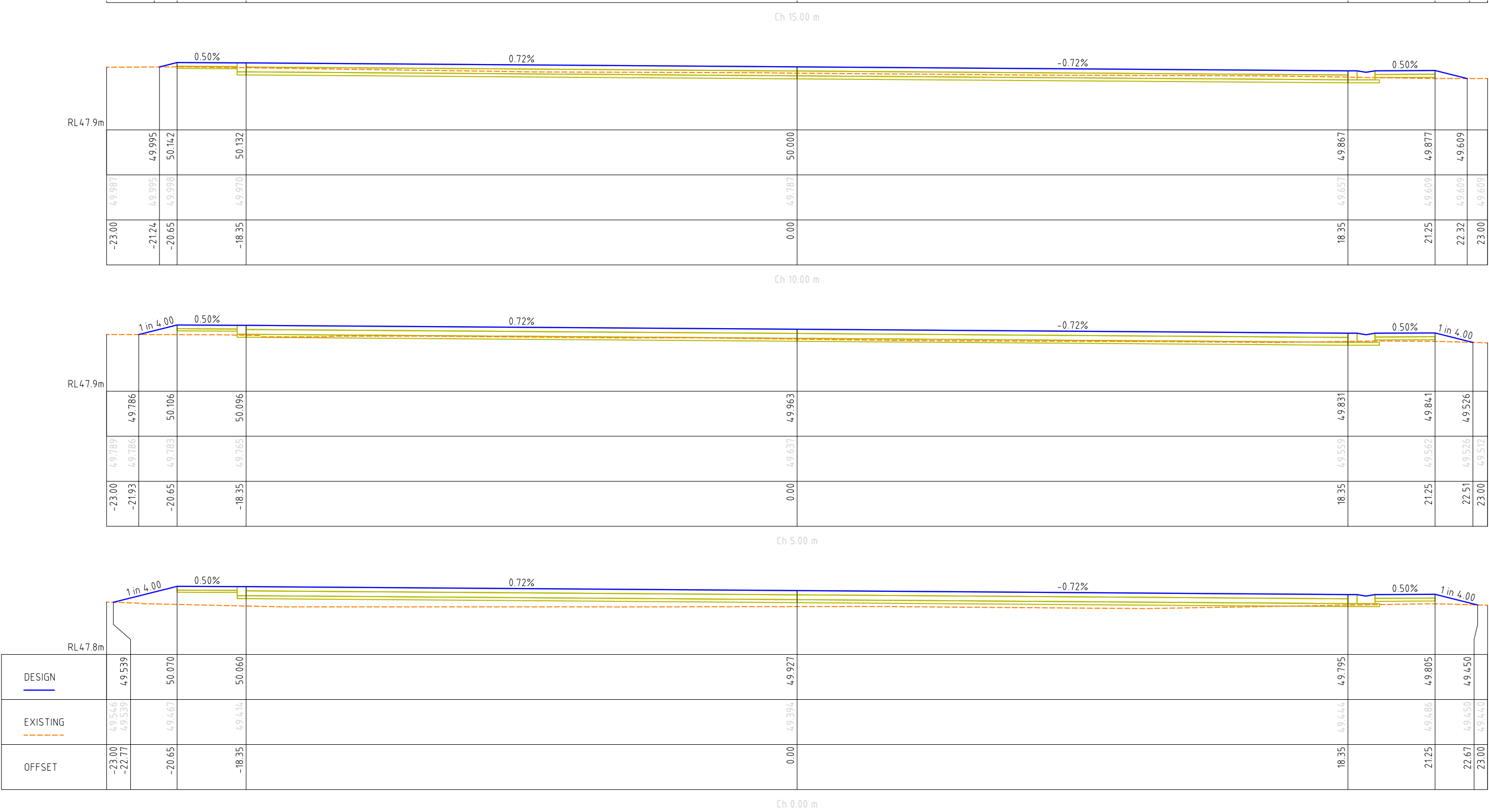


VERTICAL SCALE 1:100



HORIZONTAL SCALE 1:250

				DESIGNED:	DATE: 22-08-2022		CLIENT: 	PROJECT: APSLEY RECREATION RESERVE, APSLEY - PROPOSED REDEVELOPMENT WORKS OF EXISTING COURTS - 2 MULTI PURPOSE NETBALL/TENNIS & 1 TENNIS COURT	CIVIL DRAWINGS	
				DRAWN:	SHEET SIZE: A3				DRAWING TITLE: 2226-33	
1	COURTS SHIFTED TO THE WEST	G.DEVENISH	25.07.23	CHECKED: G. DEVENISH	SCALE:				SECTION B-B LONGITUDINAL SECTION	
0	ISSUED FOR CONSTRUCTION	G.DEVENISH	21.06.23							
A	ISSUED FOR COMMENTS	G.DEVENISH	29.08.22	APPROVED: G. DEVENISH					SHEET: 33 of 38	REVISION: 1



FINAL
ISSUED FOR CONSTRUCTION

				DESIGNED:	DATE:	22-08-2022		CLIENT: 	PROJECT: APSLEY RECREATION RESERVE, APSLEY - PROPOSED REDEVELOPMENT WORKS OF EXISTING COURTS - 2 MULTI PURPOSE NETBALL/TENNIS & 1 TENNIS COURT	CIVIL DRAWINGS	
				DRAWN:	SHEET SIZE:	A3				DRAWING TITLE: 2226-34	
1	COURTS SHIFTED TO THE WEST	G.DEVENISH	25.07.23	CHECKED:	G. DEVENISH	SCALE:				SECTION B-B CROSS SECTION - SHEET 1 of 4	
0	ISSUED FOR CONSTRUCTION	G.DEVENISH	21.06.23	APPROVED:	G. DEVENISH					SHEET: 34 of 38	
A	ISSUED FOR COMMENTS	G.DEVENISH	29.08.22							REVISION: 1	

