

APSLEY RECREATION RESERVE, APSLEY - REDEVELOPMENT OF EXISTING MULTI PURPOSE COURTS.

WEST WIMMERA SHIRE COUNCIL



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DRAWING No.
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FUNCTIONAL PLAN



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:	17-01-2022		CLIENT:	PROJECT: APSLEY RECREATION RESERVE, APSLEY - PROPOSED REDEVELOPMENT WORKS OF EXISTING COURTS	CIVIL DRAWINGS	
				DRAWN:	SHEET SIZE:	A3				DRAWING TITLE: 2201-01	
				CHECKED:	G. DEVENISH	SCALE:				DRAWING INDEX & LOCALITY PLAN	
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STANDARD NOTES:

- 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.
- COUNCIL TO BE NOTIFIED SEVEN (7) CLEAR DAYS PRIOR TO COMMENCEMENT OF WORKS.
- ALL LEVELS SHOWN ARE TO A.H.D.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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:
 - 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.
 - 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.
- 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.
- ALL CONCRETE TO BE USED IN THE CONTRACT WORKS SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 32 MPA AT 28 DAYS.
- ALL DRAINAGE PIPES ARE TO BE REINFORCED CONCRETE CLASS 2 RUBBER RING JOINTED AS A MINIMUM UNLESS OTHERWISE APPROVED. ALL PVC (SN8 OR STORMPRO WILL BE ACCEPTABLE ALTERNATIVES) PIPES TO BE CLASS SH UNLESS OTHERWISE APPROVED.
- 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.
- MINIMUM COVER TO OVERT OF DRAINAGE PIPES SHALL BE 300MM IN EASEMENTS AND 500MM IN ROAD RESERVES, EXCEPT WHERE PIPE CLASS '4' WILL BE INSTALLED.
- FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED USING APPROVED CLAY FILL FOR SUBGRADE IMPROVEMENT AND TO OBTAIN FINAL SUBGRADE DESIGN 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.
- 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.
- BATTERS SHALL BE 1 IN 6 MINIMUM UNLESS OTHERWISE APPROVED AND COVERED AND SMOOTHED WITH MINIMUM OF 100MM TOPSOIL.
- ROAD PAVEMENTS ARE TO HAVE A MINIMUM DEPTH OF 300MM INCLUDING SURFACING.

- 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.
- 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.
- 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.
- 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.

COUNCIL HOLD POINTS

- 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;
 - PRE-COMMENCEMENT OF WORKS SITE MEETING.
 - SUBGRADE PROOF-ROLL PRIOR TO PLACEMENT OF SUB-BASE.
 - SUB-BASE PROOF-ROLL PRIOR TO PLACEMENT OF BASE COURSE AND TEST RESULTS.
 - BASE COURSE PROOF-ROLL PRIOR TO CONSTRUCTION OF CONCRETE PAVEMENT AND TEST RESULTS.
 - PRIOR TO TRENCH BACKFILLING;
 - STORM WATER DRAINAGE, INCLUDING SUBSOIL AG DRAINS, AND
 - PROPERTY CONNECTIONS.
 - INSPECT SETOUT OF SAW CUT AND CONSTRUCTION JOINTS.
 - FLOOD TESTING OF NEW PAVEMENT. NO BIRD BATHS OR AREAS HOLDING WATER +/- 3mm OVER 3m STRAIGHT EDGE.
 - INSPECTION PRIOR TO APPLICATION OF ACRYLIC SPORT SURFACE.
 - SETOUT OF LINE MARKING TO BE DONE BY SURVEYOR AND INSPECTED ONSITE.
 - INSPECTION AT PRACTICAL COMPLETION OF THE WORKS (COMMENCEMENT OF DEFECTS LIABILITY PERIOD).
 - 2ND INSPECTION AT THE END OF 12 MONTHS (END OF DEFECTS LIABILITY PERIOD).

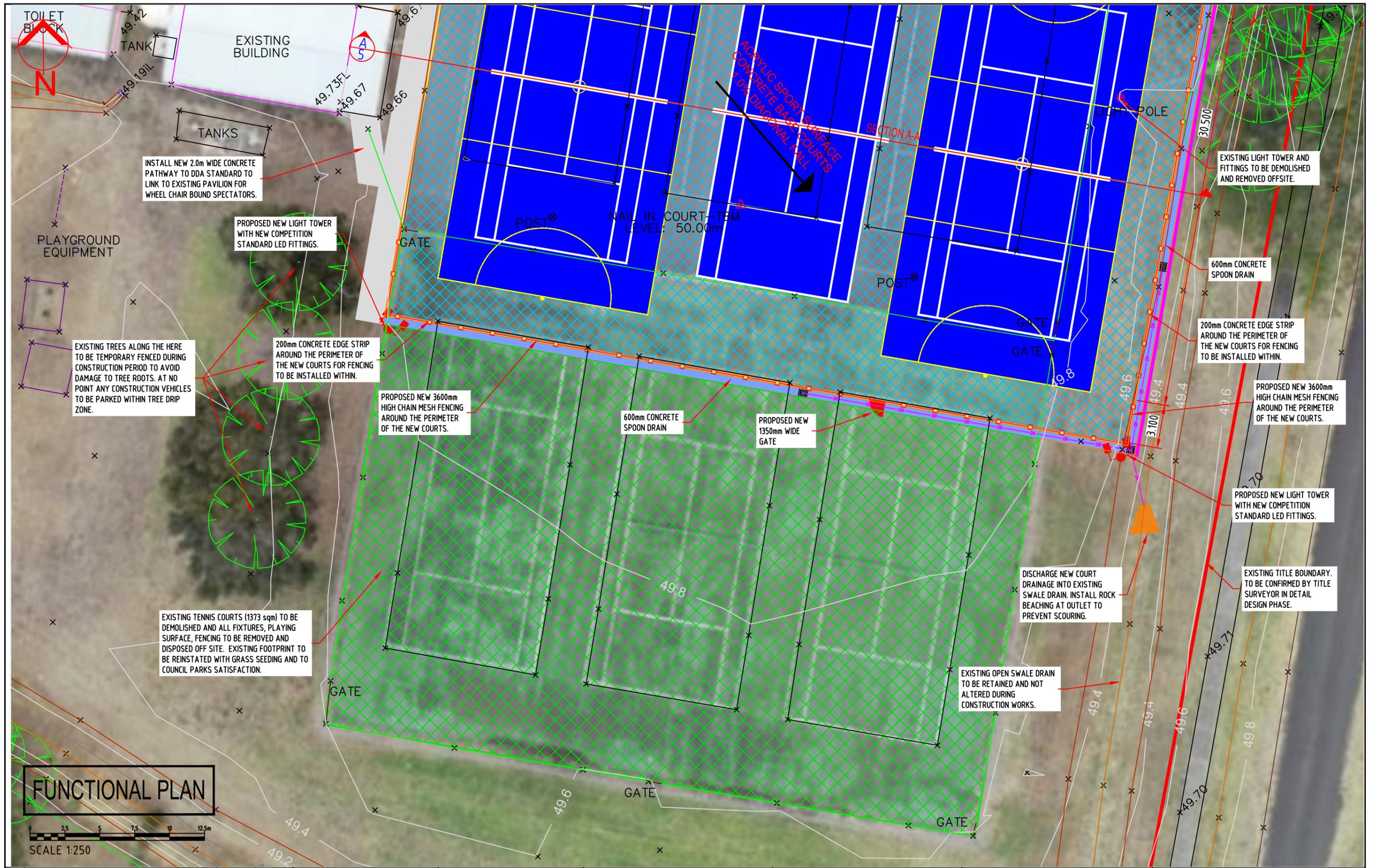
LEGEND

	DR	NEW STORMWATER DRAINAGE
	Ex.D	EXISTING STORMWATER DRAINAGE
	Ex.S	EXISTING SEWER
	Ex.G	EXISTING GAS
	Ex.T	EXISTING COMMS (TELSTRA)
	Ex.E	EXISTING ELECTRICITY
	Ex.W	EXISTING WATER
	X	ITEMS OR SERVICES TO BE DEMOLISHED
		EXISTING FENCING
		TITLE BOUNDARY
		360mm HIGH FENCING AS PER AS1725.2-2010
		1200mm HIGH FENCING AS PER AS1725.5-2010
	AG	AG SUBSOIL DRAIN
		SWALE
	HW	HEADWALL
	SEP	SIDE ENTRY PIT
	GP	GRATED PIT
	JP	JUNCTION PIT
	P1	PITNUMBERS
	B	BOLLARD
		INDICATES TREES PROPOSED TO BE REMOVED

FUNCTIONAL PLAN

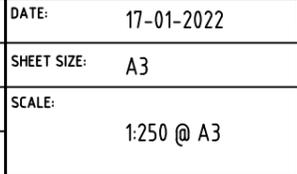
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				DRAWN:	SHEET SIZE:	A3				DRAWING TITLE: 2201-02		
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A	ISSUED FOR COMMENTS	G.DEVENISH	17.01.22

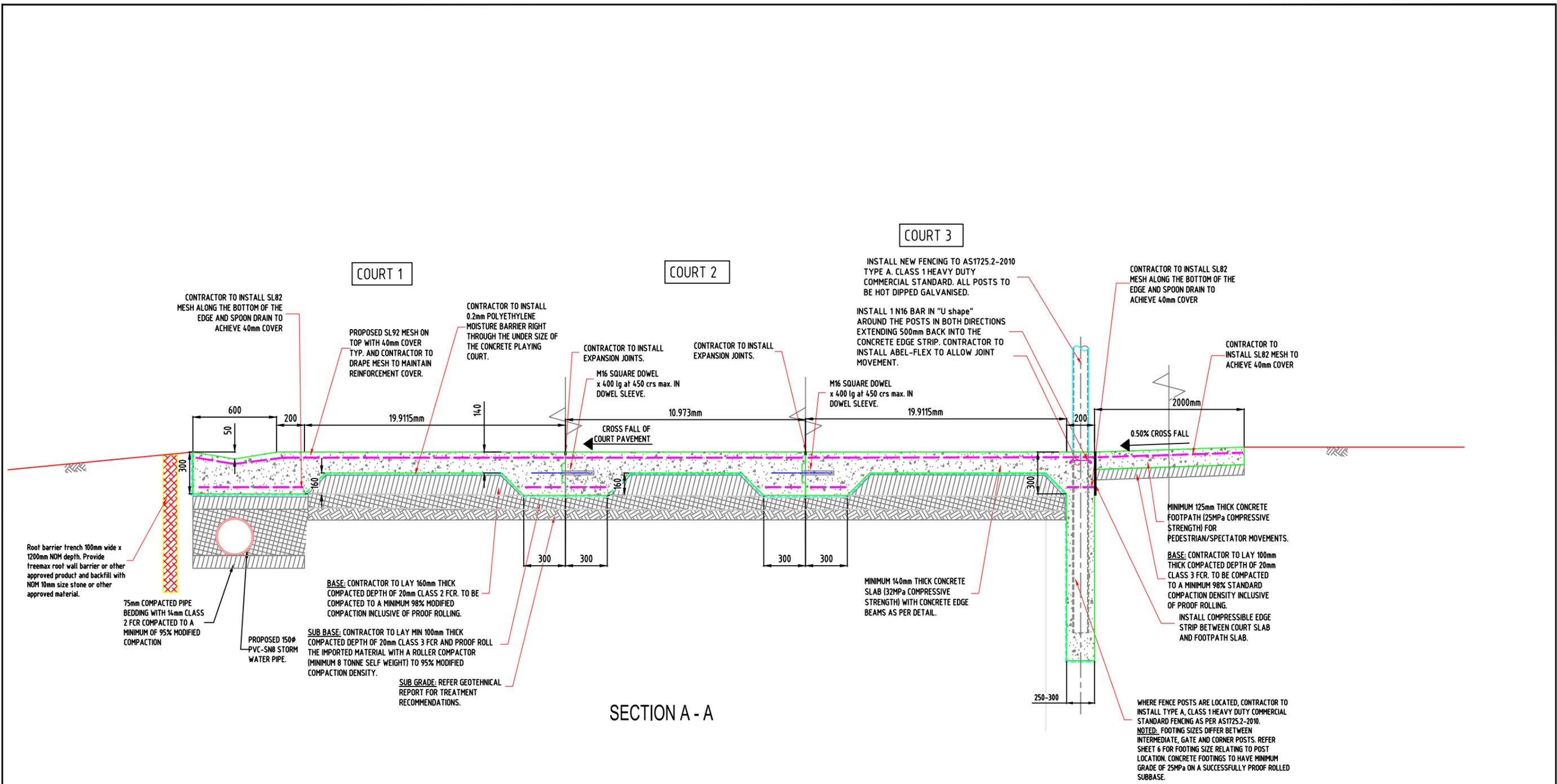
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CLIENT:

PROJECT:
APSLEY RECREATION RESERVE, APSLEY - PROPOSED REDEVELOPMENT WORKS OF EXISTING COURTS

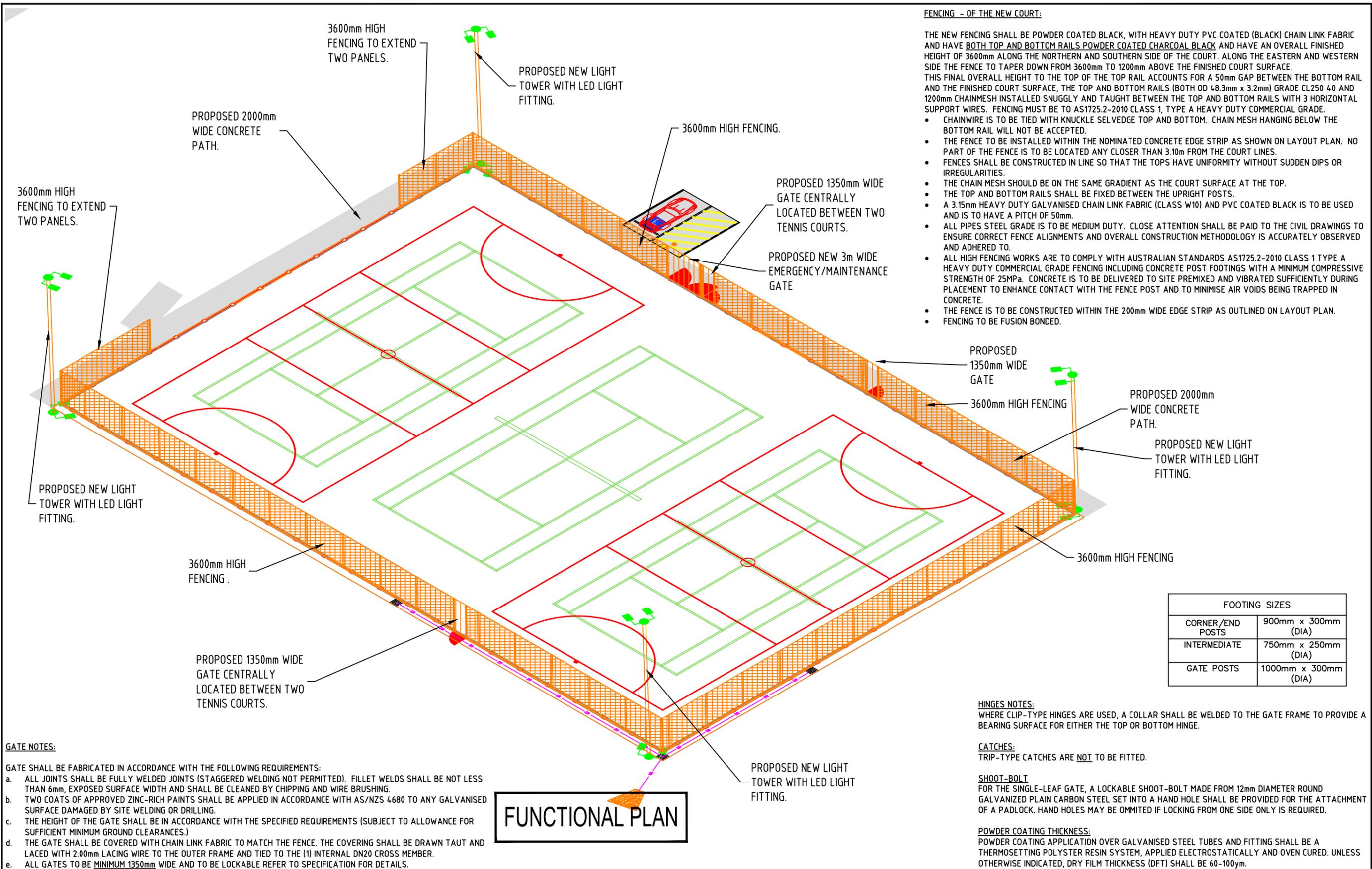
CIVIL DRAWINGS	
DRAWING TITLE: 2201-04	
LAYOUT PLAN - SHEET 2 of 2	
SHEET: 4 of 6	REVISION: A



SECTION A - A

FUNCTIONAL PLAN

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FENCING - OF THE NEW COURT:

- THE NEW FENCING SHALL BE POWDER COATED BLACK, WITH HEAVY DUTY PVC COATED (BLACK) CHAIN LINK FABRIC AND HAVE BOTH TOP AND BOTTOM RAILS POWDER COATED CHARCOAL BLACK AND HAVE AN OVERALL FINISHED HEIGHT OF 3600mm ALONG THE NORTHERN AND SOUTHERN SIDE OF THE COURT. ALONG THE EASTERN AND WESTERN SIDE THE FENCE TO TAPER DOWN FROM 3600mm TO 1200mm ABOVE THE FINISHED COURT SURFACE. THIS FINAL OVERALL HEIGHT TO THE TOP OF THE TOP RAIL ACCOUNTS FOR A 50mm GAP BETWEEN THE BOTTOM RAIL AND THE FINISHED COURT SURFACE, THE TOP AND BOTTOM RAILS (BOTH OD 48.3mm x 3.2mm) GRADE CL250 40 AND 1200mm CHAINMESH INSTALLED SNUGLY AND TAUGHT BETWEEN THE TOP AND BOTTOM RAILS WITH 3 HORIZONTAL SUPPORT WIRES. FENCING MUST BE TO AS1725.2-2010 CLASS 1, TYPE A HEAVY DUTY COMMERCIAL GRADE.
- CHAINWIRE IS TO BE TIED WITH KNUCKLE SELVEDGE TOP AND BOTTOM. CHAIN MESH HANGING BELOW THE BOTTOM RAIL WILL NOT BE ACCEPTED.
 - THE FENCE TO BE INSTALLED WITHIN THE NOMINATED CONCRETE EDGE STRIP AS SHOWN ON LAYOUT PLAN. NO PART OF THE FENCE IS TO BE LOCATED ANY CLOSER THAN 3.10m FROM THE COURT LINES.
 - FENCES SHALL BE CONSTRUCTED IN LINE SO THAT THE TOPS HAVE UNIFORMITY WITHOUT SUDDEN DIPS OR IRREGULARITIES.
 - THE CHAIN MESH SHOULD BE ON THE SAME GRADIENT AS THE COURT SURFACE AT THE TOP.
 - THE TOP AND BOTTOM RAILS SHALL BE FIXED BETWEEN THE UPRIGHT POSTS.
 - A 3.15mm HEAVY DUTY GALVANISED CHAIN LINK FABRIC (CLASS W10) AND PVC COATED BLACK IS TO BE USED AND IS TO HAVE A PITCH OF 50mm.
 - ALL PIPES STEEL GRADE IS TO BE MEDIUM DUTY. CLOSE ATTENTION SHALL BE PAID TO THE CIVIL DRAWINGS TO ENSURE CORRECT FENCE ALIGNMENTS AND OVERALL CONSTRUCTION METHODOLOGY IS ACCURATELY OBSERVED AND ADHERED TO.
 - ALL HIGH FENCING WORKS ARE TO COMPLY WITH AUSTRALIAN STANDARDS AS1725.2-2010 CLASS 1 TYPE A HEAVY DUTY COMMERCIAL GRADE FENCING INCLUDING CONCRETE POST FOOTINGS WITH A MINIMUM COMPRESSIVE STRENGTH OF 25MPa. CONCRETE IS TO BE DELIVERED TO SITE PREMIXED AND VIBRATED SUFFICIENTLY DURING PLACEMENT TO ENHANCE CONTACT WITH THE FENCE POST AND TO MINIMISE AIR VOIDS BEING TRAPPED IN CONCRETE.
 - THE FENCE IS TO BE CONSTRUCTED WITHIN THE 200mm WIDE EDGE STRIP AS OUTLINED ON LAYOUT PLAN.
 - FENCING TO BE FUSION BONDED.

FOOTING SIZES	
CORNER/END POSTS	900mm x 300mm (DIA)
INTERMEDIATE	750mm x 250mm (DIA)
GATE POSTS	1000mm x 300mm (DIA)

GATE NOTES:

- GATE SHALL BE FABRICATED IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:
- ALL JOINTS SHALL BE FULLY WELDED JOINTS (STAGGERED WELDING NOT PERMITTED). FILLET WELDS SHALL BE NOT LESS THAN 6mm, EXPOSED SURFACE WIDTH AND SHALL BE CLEANED BY CHIPPING AND WIRE BRUSHING.
 - TWO COATS OF APPROVED ZINC-RICH PAINTS SHALL BE APPLIED IN ACCORDANCE WITH AS/NZS 4680 TO ANY GALVANISED SURFACE DAMAGED BY SITE WELDING OR DRILLING.
 - THE HEIGHT OF THE GATE SHALL BE IN ACCORDANCE WITH THE SPECIFIED REQUIREMENTS (SUBJECT TO ALLOWANCE FOR SUFFICIENT MINIMUM GROUND CLEARANCES.)
 - THE GATE SHALL BE COVERED WITH CHAIN LINK FABRIC TO MATCH THE FENCE. THE COVERING SHALL BE DRAWN TAUT AND LACED WITH 2.00mm LACING WIRE TO THE OUTER FRAME AND TIED TO THE (1) INTERNAL DN20 CROSS MEMBER.
 - ALL GATES TO BE MINIMUM 1350mm WIDE AND TO BE LOCKABLE REFER TO SPECIFICATION FOR DETAILS.

HINGES NOTES:

WHERE CLIP-TYPE HINGES ARE USED, A COLLAR SHALL BE WELDED TO THE GATE FRAME TO PROVIDE A BEARING SURFACE FOR EITHER THE TOP OR BOTTOM HINGE.

CATCHES:

TRIP-TYPE CATCHES ARE NOT TO BE FITTED.

SHOOT-BOLT

FOR THE SINGLE-LEAF GATE, A LOCKABLE SHOOT-BOLT MADE FROM 12mm DIAMETER ROUND GALVANISED PLAIN CARBON STEEL SET INTO A HAND HOLE SHALL BE PROVIDED FOR THE ATTACHMENT OF A PADLOCK. HAND HOLES MAY BE OMITTED IF LOCKING FROM ONE SIDE ONLY IS REQUIRED.

POWDER COATING THICKNESS:

POWDER COATING APPLICATION OVER GALVANISED STEEL TUBES AND FITTING SHALL BE A THERMOSETTING POLYESTER RESIN SYSTEM, APPLIED ELECTROSTATICALLY AND OVEN CURED. UNLESS OTHERWISE INDICATED, DRY FILM THICKNESS (DFT) SHALL BE 60-100µm.

FUNCTIONAL PLAN

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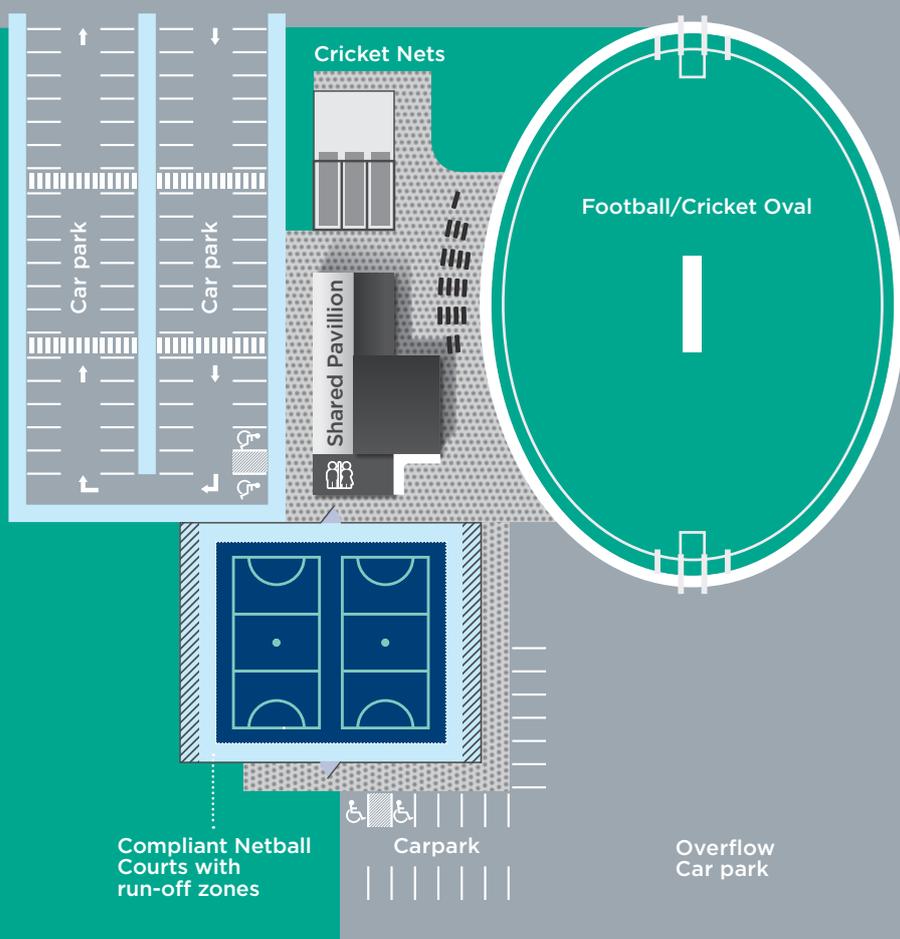
Inclusive Facilities Fact Sheet

Netball facility design needs to ensure netball courts, supporting infrastructure and amenities are accessible and inclusive to all. Netball Victoria (NV) has developed this fact sheet to provide Clubs, Associations, Leagues, Councils and Contractors with guidance when redeveloping or constructing new netball court facilities.

Netball facilities should be welcoming to the entire community regardless of age, gender, ability or mobility. NV offers a technical advisory service and encourages all stakeholders to liaise and consult directly with NV in the first instance and throughout the planning and construction of netball courts and facilities.

ALL NETBALL FACILITIES SHOULD BE WELCOMING AND INCLUSIVE TO ALL COMMUNITY MEMBERS

MULTI-SPORT VENUE EXAMPLE



- 
 Minimum 1.5m wide paths, accessible landings and ramps
- 
 Shelter and seating zone
- 
 Road and carpark area
- 
 Circulation space/pedestrian zone
- 
 Netball courts including run-off zones

INCLUSIVE NETBALL FACILITIES FOR EVERYONE

All netball courts and their supporting amenities should be accessible and inclusive to all members of the community.

There are a number of specific areas that netball facility managers should consider when creating an inclusive facility:

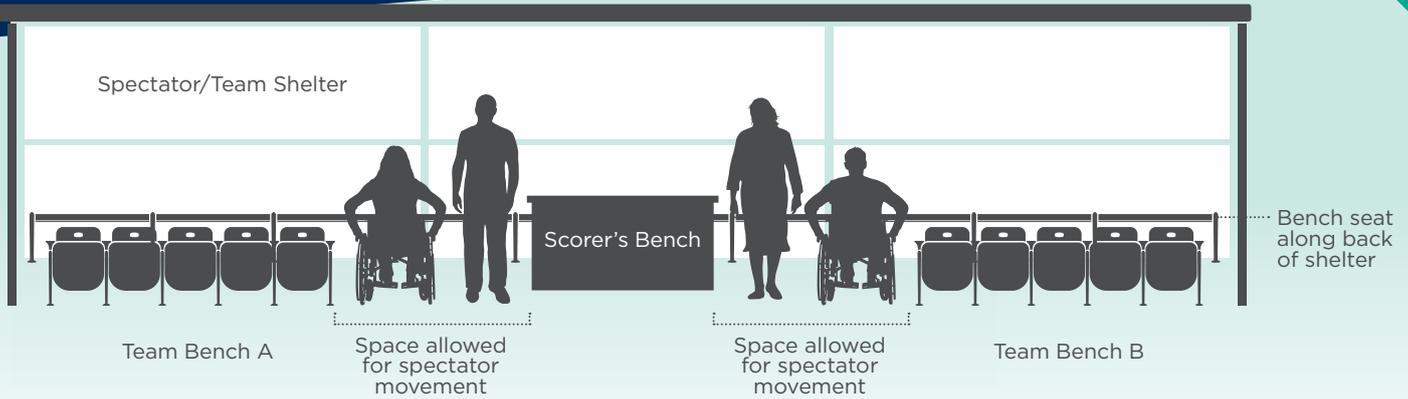
- Accessible path linkages throughout the site. Including connections from the court to car park, toilets and clubroom facilities.
- Close proximity and good sightlines to supporting facilities, car park and other precinct facilities.
- Clear wayfinding signage.
- Spectator movement and viewing provisions.
- Well-lit, slip resistant pathways and surfaces.
- All building entrances and internal designs for pavilions, clubrooms, change rooms and toilet facilities must comply with the current National Construction Code (NCC) Series.

INTEGRATION

The location of the netball courts is important for maximum inclusion

The facility should be in close proximity to

- Complementary sports and services.
- Car park facilities with firm and stable path connections.
- Integration of pavilion, change and toilet facilities.



CIRCULATION SPACE FOR SPECTATOR MOVEMENT AND VIEWING PROVISION – OUTDOOR AND INDOOR COURTS

Where possible, netball facilities should provide a continuous, accessible path of travel from the site entry to and through any spectator and viewing areas. The path of travel should be provided outside of the court's required run-off zones

The following is recommended:

- 1.2m to 1.5m wide path movement corridors to the end, side and/or between courts to allow safe unimpeded pedestrian movement without interruption to umpires and players when matches are underway.
- Viewing areas connected to, but located off, the continuous accessible path of travel.
- Viewing areas that provide clear lines of sight to the netball court.
- Dedicated spectator/shelter/seating zone to ensure a safe space for spectators without encroaching on the run-off zones. These should include circulation space between the shelter and court run-off zone.
- Accessible seating spaces must be available in a variety of locations throughout a building or facility that allows people of all abilities to sit together ie: variety of seats with/without backs and armrests and space for a wheelchair within coaches, scorers & spectator areas.

SURFACES, RAMPS AND STEPS

Netball facilities should have compliant surfaces, ramps and steps

- All surfaces, including ramps, should be firmly fixed and slip-resistant in all weather conditions to comply with AS 4586-2013.
- Any gradient steeper than 1:21 is classified as a ramp.
- All ramps and steps must have handrails fitted to both sides.
- Avoid single, isolated steps or sudden changes in gradient. If this is unavoidable, the area should be clearly marked with contrasting coloured tactiles to alert pedestrians to the potential risk.

Detailed guidance and standards for ramp and stepped access can be found in AS 1428.1-2009.

SLIP RESISTANCE

All court areas and pedestrian access paths, ramps and surfaces, must be firm and slip-resistant in all weather conditions

To ensure a safe surface for pedestrian movement, connecting paths and ramps should meet the AS 4586-2013 Slip Resistance Classification of New Pedestrian Surface Materials: Appendix A (Wet Pendulum Test Method) as a minimum.

Testing by a company accredited by the National Association of Testing Authorities (NATA) is recommended.

A minimum of five individual locations should be tested on each surface using both slider 55 and slider 96 and shall achieve Pendulum Classification P5 as a minimum or a mean BPN 75 for both sliders. Note: Netball courts and run-off areas must achieve a mean BPN 75 as a minimum.

PATHS

A continuous accessible path should be provided to connect

- Car parking and public transport areas to the netball courts.
- Netball courts to supporting amenities such as change rooms, toilets, clubrooms and meeting areas.
- Netball courts to spectator and shelter areas.

All paths should

- Be the preferred 1.5m width to allow a wheelchair and person/pram to pass.
- Have no trip hazards. Any sudden height change in surface gradient, greater than +/- 2mm (such as a lip, heaving crack or small step) is considered a trip hazard.
- Ensure that hard and soft landscaping reinforces the route and does not obstruct the continuous accessible path.
- Have a firm non-slippery surface in all weather conditions such as asphalt or concrete with a brush finish.
- Have a clearance overhead of 2m for the full length (1.98m at doorways).
- Be fitted with contrasting colour Tactile Ground Surface Indicators to comply with AS/NZS 1428.4.1-2009, especially with changes in levels or direction.
- Have a cross fall no steeper than 1:40, (or 1:33 if Bitumen).
- Have landings and circulation space provided at every doorway, gate, and changes in direction.
- Be lit to comply with AS/NZS 1158 series - 'Lighting for roads and public spaces' to enable safe passage at night.
- Remain clean and clear of obstacles.

Refer to AS 1428.1-2009 for detailed guidance and standards for paths as the minimum requirements are variable depending on path length, type and intended use.



1.5m width, or greater, to allow a wheelchair and person/pram to pass

SIGNAGE

Netball facilities should have clear directional and informative signage

Signage should:

- Welcome, inform and reassure people.
- Introduce and direct people to the courts and supporting facilities and amenities.
- Be positioned where visually impaired people can get close to it.
- Be visible, obvious, clear and consistent throughout the facility.
- Incorporate commonly used words and symbols that are easy to understand and globally understood.
- Not cause obstruction or create a safety risk.



Keep signage, simple, clear and accessible

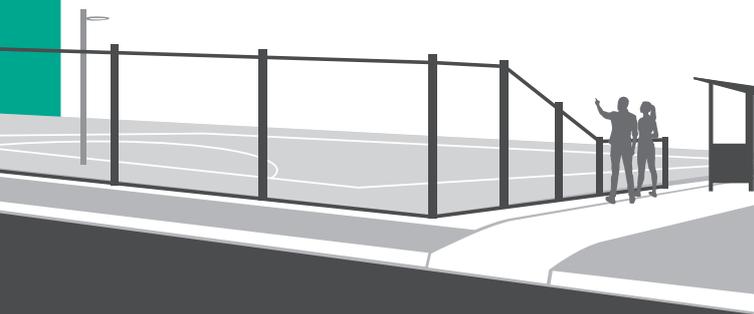
FENCING

Netball facilities should have a welcome feel

If fencing is installed the following is recommended:

- Gates or access points with 1.1m or greater wide opening
- A medium height (2m) to all baselines and low height (1.2m) to sidelines wherever possible to improve spectator participation.
- Black PVC is preferred to blend with the surrounds, especially if high fencing is required for security or safety reasons.
- Emergency/maintenance gate access with 3m or greater wide opening

All sports chainmesh fencing must comply with AS 1725.5-2010 (low) or AS 1725.2-2010 (high).



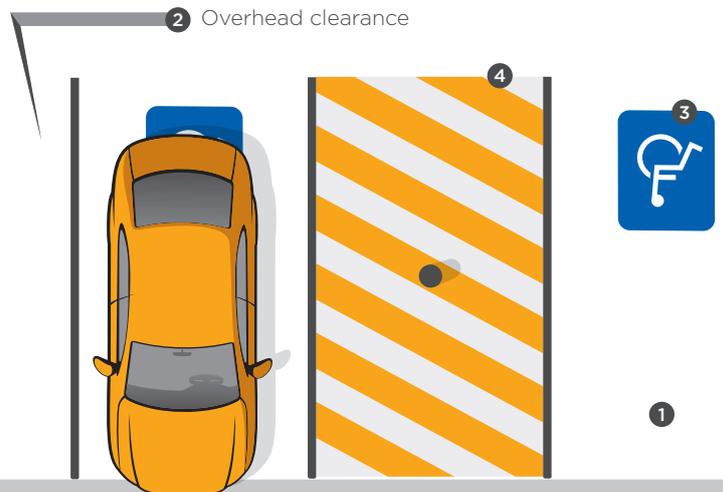
PARKING

Netball facilities should be well supported with accessible car park opportunities

Parking should:

- Be in close proximity to the netball facility.
- Provide adequate numbers of all abilities car park spaces to comply with AS/NZS 2890.6-2009 'Off-street parking for people with disabilities'. These should be located as close to the netball facility as possible.
- Be well connected by firm paths to the netball courts and supporting amenities.
- Provide ample parking spaces to meet the needs of the facility at peak times and as per local government requirements. Car parking should comply with AS/NZS 2890.1-2004 Part 1, 'Off-street car parking'.
- Be well lit to comply with AS/NZS 1158 series - 'Lighting for roads and public spaces' to enable safe passage at night.

Note: Standards regarding parking requirements are comprehensive. Advice should be sought from a professional consultant such as a traffic engineer early in the design process.



Accessible Parking Summary

- 1 Dedicated angled space 2400mm wide and 5400mm long.
- 2 Overhead clearance on roadways (minimum of 2200mm) and at any designated accessible parking bay (minimum of 2500mm) to allow for use by a vehicle fitted with roof mounted storage device.
- 3 International Symbol of Access 800-1000mm high within a blue rectangle with no side greater than 1200mm, located in the centre of the space 500 -600mm from its entry.
- 4 Shared pathway (at grade) 2400mm wide and 5400mm long.

ACCESSIBLE TOILETS

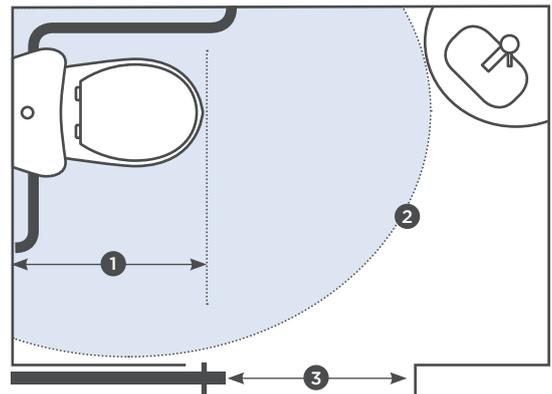
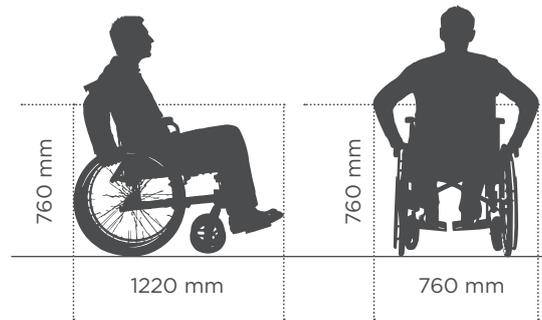
Netball facilities should have access to appropriate toilets for all users including people with mobility challenges

- The toilet and change room facilities should be well connected with an accessible path or ramp.
- A minimum 850mm door opening is required.
- The number of standard, accessible and/or ambulant toilets and the size of the change area provided, should be adequate for the size and needs of the netball facility at peak times.

NOTE: There are a number of variables that affect the overall size of an accessible toilet facility.

- The toilet, hand basin and door locations will determine the circulation space required and how they overlap, in turn this will determine the overall size of the accessible toilet facility required.
- All controls (door handles, switches, taps etc) should comply with AS1428.1, be clearly identifiable & be operational with one hand.
- Door handles should be D-shaped to lessen hand slip and provide easy grip.
- Water taps should have lever handles, sensor plates, or other similar controls.
- A level transition or an appropriate threshold or step ramp at the entry door is required.

NOTE: Detailed guidance and standards for toilet and shower access can be found in AS 1428.1-2009.



Overhead view of an accessible toilet

- 1 790–810mm front of pan to rear wall
- 2 A minimum 1900 x 2300mm to a height of 2000mm pan circulation space
- 3 A minimum 850mm clear opening width at doors (including active leaf) with circulation space provided at both sides of door that considers angles of approach and does not impede on the use of elements within the facility, e.g. basin

IMPORTANT

This Fact Sheet is to be used as a guide only. When designing any netball facility the following Acts, Standards, Codes and further reference links should be referenced:

- Disability Discrimination Act (DDA) 1992.
- Australian Standards (note Australian standards must be purchased)
- AS 1428.1-2009 'Design for access and mobility, General requirements for access - new building works'.
- AS/NZS 2890.6-2009 'Off-street parking for people with disabilities'.
- AS/NZS 2890.1-2004 Part 1, 'Off-street car parking'.
- AS/NZS 1428.4.1 - 2009 'Tactile Ground Surface Indicators for the Orientation of People with Vision Impairment'
- AS/NZS 1158 Set: 2010 'Lighting for Roads and Public Spaces'.
- AS 4586-2013 'Slip Resistance Classification of New Pedestrian Surface Materials'.
- Universal Design Australia (universaldesignaustralia.net.au/2015/10/ud-and-sport-and-recreation-facilities/) Includes fact sheet noting the 7 Universal Design principles.
- National Construction Code (NCC) Series 2012 vol.2 Building Code of Australia Class 1 and Class 10 Buildings.
- Sport & Recreation Victoria Design For Everyone Guide (www.sport.vic.gov.au/publications-and-resources/design-everyone-guide/index-elements/spectator-and-viewing-areas)

ADDITIONAL RESOURCE MATERIALS

These resources feature a range of new materials and engaging tools to give you everything you need to start your inclusion journey in your Club or Association.

To assist with creating a more inclusive and connected netball facility, visit:

- One Netball - onenetball.org.au
- Netball For All - vic.netball.com.au/netball-for-all

For more information and advice, contact:

Netball Victoria
Telephone 03 9321 2222
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www.netballvic.com.au

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