BINNGINGUP SKATEPARK

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100% DOCUMENTATION

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C	100% DOCUMENTATION	02.07.25
B	90% DOCUMENTATION	07.03.25
A	50% DOCUMENTATION	20.12.24

PROJECT
BINNINGUP SKATEPARK
LAKES PARADE, BINNINGUP, WA 6233

DRAWING TITLE
TITLE PAGE AND DRAWING INDEX

DRAWING NUMBER
24015_CD000

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GENERAL NOTES:

1. DESIGN:

1.1. ANY PERSON WHO UNDERTAKES ALTERATIONS, VARIATIONS OR MODIFICATIONS TO THESE DESIGN DRAWINGS, WITHOUT CONSULTATION AND APPROVAL FROM THE ORIGINAL OR SUBSEQUENT DESIGNER, WILL ASSUME THE DUTIES OF A DESIGNER AND WILL BE HELD RESPONSIBLE FOR THE SAFETY IN DESIGN FOR THIS PROJECT.

2. ENGINEERING:

2.1. ALL ENGINEERING DETAILS, SPECIFICATIONS AND CONCRETE JOINTS SHALL BE REVIEWED AND CERTIFIED BY THE DESIGNER (CONVIC).

3. GENERAL/SITE:

3.1. CONTRACTOR TO ENSURE ALL DRAWINGS ARE PRINTED IN COLOUR.

3.2. CONTRACTOR TO UNDERTAKE 'BEFORE YOU DIG' INVESTIGATION, VERIFY LOCATION OF AND ISOLATE ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORKS (LOCATIONS SHOWN ON PLANS ARE APPROXIMATE). ALL EXISTING SERVICES TO BE RETAINED AND PROTECTED THROUGHOUT CONSTRUCTION UNLESS NOTED OTHERWISE.

3.3. HEIGHT DATUM, SET OUT BASE POINT/LOCAL GRID TO BE LOCATED ON SITE BY LICENSED SURVEYOR. NEW WORKS TO BE SETOUT FROM LOCAL GRID AND LOCATIONS DOUBLE CHECKED FOR DISCREPANCIES FROM KNOWN FIXED POINTS ON SITE.

3.4. SITE SCRAPE TO AREA OF PROPOSED CONCRETE WORKS TO DEPTH APPROVED BY GEOTECHNICAL ENGINEER.

3.5. CONTRACTOR TO CHECK ALL DIMENSIONS AS SHOWN. ANY DISCREPANCIES OR LACK OF CLARITY SHALL BE INDICATED BY CONTRACTOR TO DESIGNER (CONVIC) FOR CLARIFICATION IN WRITING PRIOR TO WORKS COMMENCING/CONTINUING.

3.6. CONTRACTOR TO ENSURE ALL EXISTING TREES AND EXISTING SITE FEATURES ARE RETAINED AND PROTECTED THROUGHOUT CONSTRUCTION UNLESS NOTED OTHERWISE ON DEMOLITION PLAN.

3.7. CORROSIVITY CATEGORY:

3.7.1. THIS SITE IS CONSIDERED A C4 CORROSIVITY CATEGORY.

3.7.2. ENSURE ALL PROPRIETARY PRODUCTS AND FIXINGS MEET THE REQUIRED CORROSIVITY PROTECTION FOR THIS ENVIRONMENT.

3.7.3. ALL STEELWORK COATINGS TO COMPLY WITH 'COATINGS' SECTION OF GENERAL NOTES.

3.7.4. MINIMUM CONCRETE STRENGTH AS SPECIFIED IN 'CONCRETE' SECTION OF GENERAL NOTES.

3.7.5. MINIMUM CONCRETE COVER TO REINFORCEMENT TO COMPLY WITH 'CONCRETE REINFORCEMENT' SECTION OF GENERAL NOTES.

4. DEMOLITION:

4.1. REFER TO DEMOLITION PLAN FOR ALL ITEMS TO BE DEMOLISHED. EXISTING SITE FEATURES TO BE RETAINED SHALL BE PROTECTED THROUGHOUT CONSTRUCTION

4.2. WHERE CUTTING OF RETAINED EXISTING CONCRETE WILL OCCUR, ENSURE ALL EXISTING CONCRETE EDGES ARE SAW CUT WITH STRAIGHT ACCURATE AND CONSISTENT CUTS. ENSURE NO CHIPPING TO SLAB EDGES. DO NOT OVER CUT INTO SLAB TO BE RETAINED.

4.3. ALL WASTE TO BE REMOVED AND DISPOSED OF BY CONTRACTOR (UNO)

5. EARTHWORKS:

5.1. REFER TO GEOTECHNICAL REPORT NUMBER 24051 ON 13/08/24 BY BROWN GEOTECHNICAL

5.2. SITE SCRAPE AREA UNDER NEW CONCRETE PAVEMENT TO DEPTH AS SPECIFIED IN GEOTECHNICAL REPORT.

5.3. IS TOP SOIL RE-USEABLE? STOCK PILE ALL EXCAVATED TOP SOIL FOR RE-USE.

5.4. ALL SUBGRADE PREPARATION WORK UNDER ALL CONCRETE PAVEMENT AREAS AND LOW PROFILE RETAINING WALLS ARE TO BE PROTECTED, ROLLED AND COMPACTED AS PER RECOMMENDATIONS SET OUT IN THE GEOTECHNICAL REPORT IN ACCORDANCE WITH AS1289.5.1.1:2003.

5.5. INSTALL STABLE CLEAN FILL COMPACTED TO 95 % (MMDD) TO ACHIEVE DESIGN LEVELS. FILL SHALL BE PLACED AND COMPACTED IN LAYERS TO THICKNESS STATED IN GEOTECHNICAL REPORT IN ACCORDANCE WITH AS1289.5.2.1:2003.

5.6. IMPORTED SAND SHALL HAVE LESS THAN 5% NON-PLASTIC FINES.

5.7. EARTH BATTERS AROUND SKATEPARK SHALL BE INSTALLED IN 300mm THICK LIGHTLY COMPACTED LAYERS TO SUIT DESIGN GRADES. EARTH TO BE SHAPED TO NEATLY TIE INTO EXISTING GROUND LEVELS.

5.8. ALL NEW AND DISTURBED FINISHED EARTH AREAS TO BE NEAT, CLEAN, PRESENTABLE AND EVENLY GRADED TO TIE INTO NATURAL GROUND LEVELS. EARTH SURFACE SHALL BE GRADED AWAY FROM HARDSCAPE TO ENSURE NO POOLING OF WATER OCCURS AGAINST HARDSCAPE EDGES.

6. LANDSCAPE NOTES:

6.1. FOLLOWING ALL INSTALLATION AND SHAPING OF EARTH BATTENS AND SURFACES AS MENTIONED IN EARTHWORKS SECTION ALL LANDSCAPING WORKS TO BE COMPLETED BY OTHERS. REFER FUTURE WORKS PLAN.

7. CONCRETE:

7.1. ALL MATERIALS, WORKMANSHIP, HANDLING PLACEMENT SHALL COMPLY WITH THE RELEVANT AUSTRALIAN STANDARDS AND THE SPECIFICATION.

7.2. ALL CONCRETE TO BE 32MPa. LIMIT MOISTURE CONTENT. (UNO)

7.3. REFER TO SHOTCRETE SPECIFICATION FOR SHOTCRETE MIX REQUIREMENTS ALL OTHER CONCRETE SHALL BE N32 MIX WITH MINIMUM 10mm AGGREGATE SIZE. (UNO)

7.4. ENSURE ADEQUATE VIBRATION OF CONCRETE IS ACHIEVED. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION.

7.5. SLUMP OF CONCRETE 70mm -100mm. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION.

7.6. PROVIDE EDGE BEAMS OR DOWNTURN WALLS TO APPROPRIATE DEPTH WHERE CONCRETE WORKS TERMINATE AGAINST EARTH MOUNDING.

7.7. CONSTRUCTION JOINTS SHALL BE CONSTRUCTED AS PER DETAILS.

7.8. SAW CUTS TO BE SAWN AS SHOWN ON PLANS. SAW CUT DEPTH TO BE 30MM DEEP. LOCATION OF STEEL REINFORCEMENT SHALL BE MARKED (ON FORM WORK OR SIMILAR) PRIOR TO CONCRETE POUR TO ENABLE ACCURATE POSITIONING OF SAW CUTS. REFER TO 'NOMINAL SAW CUT' DETAIL. SAW CUTS TO BE ACCURATE, STRAIGHT AND TRUE. SAW CUT ALL SLABS MAX 24 HRS AFTER POUR.

7.9. ALL CONCRETE SKATE SURFACES (PLATFORMS, BASES, FLAT BANKS, TRANSITIONS ETC) TO HAVE BURNISHED STEEL TROWEL FINISH.

7.10. VERTICAL OFF FORM CONCRETE SURFACES (THAT IS NOT A SKATE SURFACE) SHALL HAVE CLASS 2 OFF FORM FINISH AS PER A.S. 3610 - FORMWORK FOR CONCRETE.

7.11. FOR CURING, COVER FOR SEVEN DAYS WITH PLASTIC OR APPLY LIQUID MEMBRANE AS PER A.S. 3799 - LIQUID MEMBRANE-FORMING CURING COMPOUNDS FOR CONCRETE WITHIN 1 HOUR OF CONCRETE FINISHING.

7.12. ALL EXPOSED CONCRETE SURFACES TO BE APPLIED WITH 'DULUX AVISTA EXTENDED WEAR' OR SIMILAR APPROVED. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION.

7.13. SOME SURFACE CRACKING TO CONCRETE SLABS IS TO BE EXPECTED AS THE CONCRETE CURES. THIS PROBLEM IS OF NO STRUCTURAL SIGNIFICANCE AND WILL NOT AFFECT THE PERFORMANCE OF THE SLAB. REFER TO A.S.3727.1:2016 - RECREATION PAVEMENTS FOR FURTHER INFORMATION.

7.14. CONCRETE SURFACE TO BE GRADED AS PER PLANS TO ENSURE NO POOLING OF WATER WILL OCCUR ON CONCRETE SURFACE OR AGAINST WALLS, SEATS, SKATE ELEMENTS ETC.

8. CONCRETE REINFORCEMENT:

8.1. REINFORCEMENT SHALL BE GRADE 500 MPa CONFORMING TO AUSTRALIAN STANDARD AS 4671 STEEL REINFORCING.

8.2. ALL DOWELS AT CONSTRUCTION JOINTS SHALL HAVE GALVANISED FINISH.

8.3. CONCRETE COVER MINIMUM 65mm (UNO).

8.4. TRIMMER BARS - 2xN12x2000 LONG TO ALL INTERNAL SLAB CORNERS. LAYED OUT AS INDICATED ON PLANS. TRIMMER BARS MAY BE BENT TO AVOID CROSSING SAW CUTS.

8.5. ALL REINFORCEMENT SHALL BE HELD RIGIDLY IN POSITION WITHIN THE SPECIFIED TOLERANCES BEFORE AND DURING CONCRETE PLACING WITH APPROVED BAR CHAIRS , NON CORROSIVE BAR CHAIRS SHALL BE USED FOR ALL OFF FORM SURFACES.

8.6. CONDUITS AND OTHER CAST IN ITEMS SHALL BE FABRICATED AND INSTALLED SO THAT NO CUTTING, BENDING OR DISPLACEMENT OF THE REINFORCEMENT FROM ITS PROPER POSITION WILL BE REQUIRED.

8.7. SPLICES SHALL ONLY BE USED AS SHOWN ON THE DRAWINGS OR WHEN BARS LONGER THAN NORMAL STOCK LENGTH WOULD BE REQUIRED. IN LAP SPLICES, THE OVERLAP LENGTH SHALL BE TO THE REQUIREMENTS OF AS 3600 OR AS OTHERWISE DIMENSIONED ON THE DRAWINGS.

9. DRAINAGE AND PLUMBING:

9.1. PROVIDE STORMWATER DRAINAGE WORKS TO THE DESIGN REQUIREMENTS AS DOCUMENTED ON THE DRAWINGS AND COMPLYING WITH AS/NZS 3500.3.

9.2. UNLESS OTHERWISE NOTED, PROVIDE AND LAY ALL PIPES WITH EVEN FALLS AT MIN 1:100 GRADE. ALL PIPES TO BE SEWER QUALITY PVC STORMWATER PIPES. TO BE LAID ON A MIN 50mm BED OF B GRADE CRUSHED ROCK OR BEDDING SAND.

9.3. PROVIDE INSPECTION OPENINGS (IO'S) AT CHANGES OF DIRECTION.

9.4. PROVIDE MIN 100mm DIAMETER SLOTTED AGRICULTURAL DRAINS WHERE SHOWN ON THE DRAWINGS AS PER DETAILS.

9.5. SITE SHOULD BE GRADED AND DRAINED TO ENSURE WATER CANNOT POND AGAINST OR NEAR PAVED AREAS. THE GROUND IMMEDIATELY ADJACENT TO ANY PAVEMENT OR STRUCTURE SHALL BE GRADED AWAY AT MIN 1:100. ENSURE SITE FALLS TOWARDS DRAINS WHERE APPLICABLE.

9.6. ALL LANDSCAPE PITS SHALL BE COMMERCIAL PLASTIC STORMWATER PITS WITH HDG GRATED LIDS (UNO). CONCRETE GROUT PIPE CONNECTION. MORTAR BENCHING TO LOWEST INVERT LEVEL.

9.7. ALL SKATEPARK PITS SHALL BE CAST INSITU AS PER DETAIL (UNO).

SKATEPARK SPECIFIC NOTES:

10. SKATEPARK

10.1. ALL SKATEPARK WORKS SHALL BE UNDERTAKEN BY A SPECIALIST CONTRACTOR WITH PROVEN EXPERIENCE BUILDING SKATEPARKS.

11. SKATEPARK STEEL WORK:

11.11. REFER TO PLANS AND SECTIONS FOR COPING OR MEMBER TYPE AND PROFILE. ALL STEEL PLATE AND MEMBER WALLS SHALL BE MINIMUM 5mm THICK (UNO).

11.12. EXPOSED ENDS OF MEMBERS SHALL BE CAPPED, FULLY WELDED AND GROUND SMOOTH.

11.13. ALL CONNECTIONS OF STEEL MEMBERS SHALL BE MITRED, FULLY WELDED AND GROUND SMOOTH.

11.14. ALL WELDS SHALL BE 6CFW (UNO)

11.15. ALL RADIUSED COPING PIECES TO JOIN AT TANGENT POINTS TO ENSURE A SMOOTH AND SEAMLESS JOIN (FREE OF KINKS) BETWEEN ALL COPING.

11.16. COPING SHALL BE INSTALLED INTO CONCRETE AS DETAILED.

11.17. ENSURE BLOW HOLES REQUIRED FOR HOT DIP GALVANISING PROCESS ARE ON INTERNAL NON-VISIBLE FACES.

11.18. ENSURE NO SHARP EDGES ON ANY STEEL WORK.

11.19. CHS COPING:

11.19.1. SHALL BE 50NB 4.5mm THICK (UNO).

11.19.2. ALL LENGTH AND RADIUS MEASUREMENTS ARE TAKEN ALONG THE CENTERLINE OF CHS COPING.

11.19.3. WHERE CHS COPING CHANGES GRADE A 3000mm (UNO) RADIUS CHS PIECE MUST BE INSTALLED BETWEEN THE ADJACENT COPING PIECES TO ENSURE A SMOOTH AND SEAMLESS JOIN (FREE OF KINKS) BETWEEN ALL COPING.

11.20. PREFABRICATED STEEL ELEMENTS:

11.20.1. SHALL BE FABRICATED OFF SITE.

11.20.2. ALL MEMBER SIZES AS DETAILED.

11.20.3. ALL MEMBERS SHALL BE MITRED, FULLY WELDED, ENDS CAPPED, WELDS GROUND SMOOTH, REO WELDED.

11.21. ENSURE ALL REINFORCING IS FABRICATED TO ALLOW MINIMUM 50mm CONCRETE COVER.

11.22. COATINGS

11.22.1. ALL STEEL SKATEPARK COPING AND RAILS SHALL HAVE A HOT DIP GALVANISED FINISH OR APPLIED FINISH AS PER BELOW.

11.22.2. HOT DIP GALVANISING SHALL BE CARRIED OUT TO COMPLY WITH RELEVANT AUSTRALIAN STANDARDS.

11.22.3. ALL EXPOSED STEELWORK SHALL HAVE HDG 500 FINISH.

11.22.4. HOT DIP GALVANISING SHALL BE CARRIED OUT TO COMPLY WITH RELEVANT AUSTRALIAN STANDARDS.

11.22.5. ON SITE WELDS SHALL BE MINIMISED. REQUIRED WELDS OR DAMAGED GALVANISED COATING SHALL BE (PRIOR TO CASTING STEEL ELEMENTS INTO CONCRETE) COATED AS FOLLOWS:

11.22.1.1. HEAT STEEL TO OPEN UP THE MOLECULAR POURS AND STRUCTURE OF STEEL.

11.22.1.2. CLEAN WITH WIRE BRUSH.

11.22.1.3. ENSURE STEEL IS SUFFICIENTLY HEATED AND MELT 'CIGWELD' OR SIMILAR GALVANISING BAR OVER REPAIR.

11.22.1.4. WIRE BRUSH TO PROVIDE A SMOOTH AND EVEN FINISH.

12. SKATE PARK WORKS TOLERANCES:

AREAS NOMINATED AS 'SKATEPARK AREA' SHALL BE BUILT TO STRICT TOLERANCES TO ENSURE SAFETY AND FUNCTIONALITY FOR FACILITY USERS. SKATEPARK WORKS SHALL BE CARRIED OUT TO COMPLY WITH THE FOLLOWING TOLERANCES. ANY ITEMS CONSTRUCTED OUTSIDE OF TOLERANCES SHALL BE RECTIFIED TO SUPERINTENDENT'S APPROVAL.

12.1. SAW CUTS

NOMINATED WIDTH OF SAW CUT IS 4MM +/- 1MM.

DEPTH AS NOMINATED WITHIN CONCRETE GENERAL NOTES.

LOCATION OF SAW CUTS ARE SHOWN ON SAWCUT PLAN WITH AN ALLOWABLE DEVIATION TOLERANCE OF +/- 50MM GENERALLY AND WITHIN +/-10MM WHERE CUTS MEET CORNERS OF CONCRETE SLABS/OBSTACLES.

12.2. CONSTRUCTION JOINTS

CONSTRUCTION JOINTS HAVE BEEN DESIGNED AND LOCATED TO MITIGATE SHRINKAGE AND MOVEMENT CRACKING. LOCATION OF CONSTRUCTION JOINTS FALL WITHIN +/- 50MM UNLESS OTHERWISE APPROVED BY SUPERINTENDENT.

12.3. CONCRETE CRACKS

MAXIMUM ALLOWABLE CRACK WIDTH IS 1.0MM. IN ACCORDANCE WITH 'A.S.3727.1:2016 - PAVEMENTS, PART 1:RESIDENTIAL' TABLE 2.2 'RANDOM CRACKING' . FOR CRACKING ONLY, THE SKATEPARK IS CONSIDERED A 'RECREATIONAL PAVEMENT SUCH AS CYCLEWAYS'.

12.4. STEPPING IN CONCRETE SURFACE

FSL DEVIATION BETWEEN CONSTRUCTION JOINTS SHALL HAVE A MAXIMUM ALLOWABLE TOLERANCE OF +/- 0.50MM.

12.5. COPING

COPING OFFSETS SHALL BE INSTALLED TO A MAXIMUM ALLOWABLE TOLERANCE OF +/- 2MM AND AS DETAILED.

COPING OFFSET SHALL BE CONSISTENT ALONG LONGITUDINAL LENGTH OF COPING WITH MAXIMUM ALLOWABLE DEVIATION OF 1MM OVER 3M LENGTH.

FINISHING OF CONCRETE EDGE ADJACENT ALL COPINGS SHALL BE MICRO TOOLED WITH 6MM +/-1MM RADIUS

12.6. STEEL SKATE OBSTACLES & GRIND RAILS

STEEL SKATE OBSTACLES & GRIND RAILS BE INSTALLED AS PER DIMENSIONS SPECIFIED ON DRAWINGS WITH A MAXIMUM HEIGHT DEVIATION OF +/- 10MM PERMISSIBLE.

VERTICAL INSTALLATION SHALL COMPLY WITH A MAXIMUM PERMISSIBLE +/- 2 DEGREE ALLOWANCE.

12.7. CONCRETE SURFACE FINISH:

SKATE AREA FINISH:

SHALL BE INSTALLED WITH A BURNISHED STEEL TROWEL FINISH IN ACCORDANCE WITH CCAA SPECIFICATION OF BURNISHED CONCRETE FINISH DATA SHEET TO ENSURE SURFACE HAS BEEN DENSIFIED AND HARDENED BY NATURE OF TROWELLING PROCESS . CONCRETE SURFACE SHALL TAKE ON A FLAT POLISHED FINISH FREE FROM TROWEL MARKS PRIOR TO CURING

FORMED FINISH:

SURFACES NOMINATED AS OFF-FORM CONCRETE SURFACES SHALL HAVE CLASS 2 OFF-FORM FINISH AS PER AS 3610 - FORMWORK FOR CONCRETE.

FLATNESS (APPLIES TO FORMED AND 'SKATE AREA' FINISHES:

ALL CONCRETE SURFACES SHALL MEET THE FOLLOWING FLATNESS TOLERANCE. MAXIMUM DEVIATION OVER 3M STRAIGHT EDGE, DEFINED RADIUS OR FREE FORM SHAPE SHALL NOT EXCEED 3MM.

GRADING:

GRADE ALL CONCRETE SURFACES EVENLY AND CONSISTENTLY AS PER DOCUMENTATION TO PREVENT ANY WATER PONDING.

CONCRETE BLEND ZONE:

AREAS NOMINATED AS BLEND ZONES DESCRIBES A CHANGE IN GRADE BETWEEN DEFINED SKATE PROFILES. CONCRETE SHALL BLEND EVENLY, SMOOTHLY AND CONSISTENTLY BETWEEN PROFILES, ENSURING NO KINKS IN CONCRETE SURFACES.

MATERIALS AND FINISHES SCHEDULE

CODE (REFER TO SURFACE FINISHES PLANS)	DESCRIPTION	SPECIFICATION	COLOUR	SUPPLIER / MANUFACTURER
FINISHES				
SPG	SKATE PARK CONCRETE. CONCRETE COLOUR PORTLAND GREY.	32MPA BURNISHED CONCRETE STEEL FLOAT FINISH TO CONCRETE SURFACE (UNO). CLASS 2 OFF FORM FINISH TO VERTICAL 'NON-SKATEABLE' EDGES. ALL EXPOSED SURFACES TO BE APPLIED WITH CONCRETE SEALER.	COLOUR: PORTLAND GREY	-
SB	SKATE PARK CONCRETE. CONCRETE COLOUR BROWN. INTEGRAL COLOUR MIX.	32MPA BURNISHED CONCRETE STEEL FLOAT FINISH TO CONCRETE SURFACE (UNO). CLASS 2 OFF FORM FINISH TO VERTICAL 'NON-SKATEABLE' EDGES. ALL EXPOSED SURFACES TO BE APPLIED WITH CONCRETE SEALER.	COLOUR: HONEYCOMB	COLOUR OXIDE BY CCS.
LI	LIMESTONE BLOCKS	350x350x500mm RECONSTITUTED LIMESTONE BLOCKS	LIMESTONE	-
LM	LINE MARKING	REFER TO GENERAL NOTES FOR PAINT SPECIFICATION	BLACK	DULUX
TL	TURF LAWN	TURF LAWN (BY COUNCIL) CONTRACTOR TO SHAPE EARTH TO ENSURE NEAT, CLEAN AND CONSISTENT SURFACE READY FOR COUNCIL TO INSTALL IRRIGATION, TOP SOIL AND TURF.	-	-
MU	GARDEN MULCH	CONTRACTOR TO INSTALL TOPSOIL AND MULCH MULCH TO BE SELECTED TO MATCH EXISTING MULCH ON SITE	-	-

FURNITURE SCHEDULE

CODE (REFER TO SURFACE FINISHES PLANS)	DESCRIPTION	SPECIFICATION	COLOUR	SUPPLIER / MANUFACTURER
FINISHES				
BBQ	DDA ACCESSIBLE BBQ	DOUBLE FRONTIER BBQ BY GX OUTDOOR	POWDERCOATED DEEP OCEAN	GX OUTDOOR
DF	DDA COMPLIANT DRINKING FOUNTAIN	AKUNA DRINKING FOUNTAIN. DOG BOWL AND BOTTLE FILLER TO BE INCLUDED. POTABLE WATER SUPPLY TO BE INSTALLED TO DRINKING FOUNTAIN LOCATIONS BY COUNCIL	POWDERCOATED. BUBBLER ARM AND BODY: TBC FRONT AND REAR PLATES: DEEP OCEAN	GX OUTDOOR
RB	RUBBISH BIN ENCLOSURE	ATESSA HERITAGE 240ltr (SINGLE)	LID: DEEP OCEAN SLATS: BLACKBUTT FRAME: DEEP OCEAN	GX OUTDOOR
PT	DDA ACCESSIBLE PICNIC TABLE	INTEGRA EX TABLE SETTING SURFACE MOUNT 2.37m WHEELCHAIR ACCESS	SLATS: BLACKBUTT END CAPS: SABLE CORETEN FRAME: DEEP OCEAN	GX OUTDOOR
SH1	4 POST SHELTER	RIVERSIDE SKILLION SHELTER 5x4m SURFACE MOUNT	ROOF: WINDSPRAY FRAME: DEEP OCEAN	GX OUTDOOR
SH2	2 POST SHELTER	RIVERSIDE CANTILEVER SHELTER 5x4m SURFACE MOUNT	ROOF: WINDSPRAY FRAME: DEEP OCEAN	GX OUTDOOR
SS	SAFETY SIGN (TO BE SUPPLIED BY COUNCIL)	INDICATIVE DETAIL PROVIDED. COUNCIL TO FINALISE DESIGN, SUPPLY AND INSTALL	-	-
BBH	BASKETBALL HOOP	TRUELINE 1.8m OUTREACH	HDG	TRUELINE

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PROJECT
BINNINGUP SKATEPARK
LAKES PARADE, BINNINGUP, WA 6233

DRAWING TITLE
GENERAL NOTES AND SCHEDULES

DRAWING NUMBER **24015_CD001** REV **C**

LEGEND:
EXISTING HARDSTAND
TO BE RETAINED AND PROTECTED THROUGHOUT CONSTRUCTION
EXISTING TREE
TO BE RETAINED AND PROTECTED THROUGHOUT CONSTRUCTION
EXISTING FENCELINE
EXISTING CONTOUR - MAJOR
EXISTING CONTOUR - MINOR
EXISTING UNDERGROUND ELECTRICAL CABLE
EXISTING UNDERGROUND SEWER
EXISTING UNDERGROUND TELSTRA CABLES
Cricket Pitch
99587
5491
4.4654ha
EXISTING PREFAB RAMPS ON CONCRETE SLAB
EXISTING SKATEPARK
Sign (2 poles)
Table & Chairs
EXISTING IRRIGATION PITS
PLAYGROUND
EXISTING IRRIGATION PITS
BBQ
Gazebo Table & Chairs
Table & Chairs
Childcare Outdoor Play Area
Verandah
Gate
Retaining Wall
Floor Level RL 6.01
Door
Window
Existing Community Building
Existing Garden Bed
Existing Concrete Footpath
Existing Asphalt Carpark

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PROJECT
BINNINGUP SKATEPARK
LAKES PARADE, BINNINGUP, WA 6233

DRAWING TITLE
EXISTING CONDITIONS PLAN

DRAWING NUMBER: **24015_CD010**
REV: **C**


LEGEND:
EXISTING HARDSTAND
TO BE RETAINED AND PROTECTED THROUGHOUT CONSTRUCTION
EXISTING SITE FEATURES - TO BE DEMOLISHED BY CONTRACTOR
ALL WASTE TO BE REMOVED FROM SITE BY CONTRACTOR
EXISTING SITE FEATURES - TO BE DEMOLISHED BY COUNCIL
ALL WASTE TO BE REMOVED FROM SITE BY COUNCIL
EXISTING TREE
TO BE RETAINED AND PROTECTED THROUGHOUT CONSTRUCTION
NOTE:
CONTRACTOR AND COUNCIL TO COORDINATE TREE PROTECTION FENCING REQUIREMENTS ON SITE
EXTENT OF WORKS BY CONTRACTOR
OUTLINE OF PROPOSED NEW SKATEPARK AND HARDSTAND AREA
EXISTING FENCELINE
25.00 EXISTING CONTOUR - MAJOR
24.80 EXISTING CONTOUR - MINOR
S S EXISTING UNDERGROUND SEWER
T EXISTING UNDERGROUND TELSTRA CABLES
EXISTING SKATE OBSTACLES TO BE REMOVED AND DISPOSED OF BY CONTRACTOR. EXISTING SLAB TO BE RETAINED AND PROTECTED.
CUT HOLE IN SLAB FOR BASKETBALL POST
PORTION OF EXISTING SLAB TO BE SAW CUT AND DEMOLISHED. ALL WASTE TO BE REMOVED FROM SITE.
EXISTING VEGETATION TO BE REMOVED BY COUNCIL PRIOR TO SKATEPARK CONTRACTOR MOBILISATION TO SITE
EXISTING IRRIGATION TO BE CUT OFF AND CAPPED BY COUNCIL PRIOR TO COMMENCEMENT OF WORKS BY CONTRACTOR. PITS WITHIN AREA OF WORK TO BE REMOVED.
EXISTING IRRIGATION TO BE CUT OFF AND CAPPED BY COUNCIL PRIOR TO COMMENCEMENT OF WORKS BY CONTRACTOR. PITS WITHIN AREA OF WORK TO BE REMOVED.
PORTION OF EXISTING FOOTPATH TO BE SAW CUT AND DEMOLISHED. ALL WASTE TO BE REMOVED FROM SITE.
DETERMINE EXACT LINE OF DEMOLITION ON SITE TO ENSURE NEW PATH CAN BE INSTALLED AT A NEAT AND CONSISTENT LEVEL.
EXISTING SKATEPARK
Sign (2 poles)
Cricket Pitch
PLAYGROUND
BBQ
Gazebo Table & Chairs
Table & Chairs
Gate
Existing Concrete Footpath
Existing Garden Bed
Existing Community Building
Childcare Outdoor Play Area
Verandah
Window
Door
Existing Asphalt Carpark
X: 0
X: 10,000
X: 20,000
X: 30,000
X: 40,000
X: 50,000
X: 60,000
X: 70,000
X: 80,000
X: 90,000
X: 100,000
X: 110,000
X: 120,000
Y: 0
Y: 10,000
Y: 20,000
Y: 30,000
Y: 40,000
Y: 50,000
Y: 60,000
Y: 70,000
Y: 80,000
Y: 90,000
9010
10540
7880
7220
R200
1335

100% DOCUMENTATION

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CLIENT
SHIRE OF HARVEY
102 UDUC ROAD, HARVEY 6220

DRAWN: JY
CHECKED: AT
DIRECTOR: DH

SCALE
SCALE 1:200 @A1
2 0 2 4 6 8 10
LENGTHS ARE IN METRES

NORTH POINT

C	100% DOCUMENTATION	02.07.25
B	90% DOCUMENTATION	07.03.25
A	50% DOCUMENTATION	20.12.24

PROJECT
BINNINGUP SKATEPARK
LAKES PARADE, BINNINGUP, WA 6233

DRAWING TITLE
DEMOLITION PLAN

DRAWING NUMBER: **24015_CD011**
REV: **C**


LEGEND:
EXISTING HARDSTAND
TO BE RETAINED AND PROTECTED THROUGHOUT CONSTRUCTION
NEW HARDSTAND
PROPOSED NEW SKATEPARK AREA
NEW IRRIGATED TURF LAWN (BY COUNCIL)
CONTRACTOR TO SHAPE EARTH TO ENSURE NEAT, CLEAN AND CONSISTENT SURFACE READY FOR COUNCIL TO INSTALL IRRIGATION, TOP SOIL AND TURF.
NEW MULCHED PLANTED AREA (BY CONTRACTOR)
NEW SKATEPARK AREA TO BE BUILT BY SPECIALIST SKATEPARK CONTRACTOR.
REFER TO SKATEPARK DRAWINGS
NEW LIMESTONE BLOCK SEATING / RETAINING WALL
EXISTING TREE
TO BE RETAINED AND PROTECTED THROUGHOUT CONSTRUCTION
NOTE:
CONTRACTOR AND COUNCIL TO COORDINATE TREE PROTECTION FENCING REQUIREMENTS ON SITE
NEW TREE
25.00 EXISTING CONTOUR - MAJOR
24.80 EXISTING CONTOUR - MINOR
25.20 PROPOSED NEW CONTOURS
CONTRACTOR TO PROVIDE 100 DIA HEAVY DUTY CONDUIT UNDER FOOTPATHS TO ALLOW FOR INSTALLATION OF IRRIGATION
DDA COMPLIANT WALKWAY
• WALKWAY: MAX 1:20 GRADE
• PRAM RAMP: MAX 1:8 GRADE, 190mm RISE, 1520mm LENGTH
REFER TO FURNITURE SCHEDULE FOR FURNITURE SPECIFICATIONS AND DETAILS
BASKETBALL COURT PICNIC AREA
• SHADE SHELTER (WITH SECURITY LIGHT)
• DOUBLE BBQ
• PICNIC TABLE
• CONCRETE APRON WITH SPILL OUT SPACE
BASKETBALL HALF COURT
• HOOP
• LINEMARKING
BASKETBALL ENTRY SPACE / VIEWING AREA
• LIMESTONE BLOCK RETAINING/SEATING WALL
• DRINKING FOUNTAIN
• RUBBISH BIN ENCLOSURE
SECONDARY SKATEPARK VIEWING AREA.
• LIMESTONE BLOCK RETAINING/SEATING WALL.
LANDSCAPED EARTH BATTER DOWN TO EXISTING VEGETATION. APPROX 1:4 BATTER.
LIMESTONE RETAINING WALLS USED TO MINIMISE GRADE OF EARTH MOUNDING TO 1:6 SLOPE
NEW TREE PLANTING REFER TO PLANTING PLAN
PATHWAY LIGHTING BETWEEN PROPOSED BASKETBALL COURT PICNIC AREA AND EXISTING CARPARK
• LIGHT POLES
• SPACING TO BE DETERMINED TO SUIT LIGHTING SUBCATEGORY PP5 FROM TABLE 2.2 OF AS1158.3.1
SKATEPARK VIEWING AREA.
• SHADE SHELTER
• RUBBISH BIN ENCLOSURE
• DRINKING FOUNTAIN
• SAFETY SIGN
• LIMESTONE BLOCK RETAINING/SEATING WALL.
NEW WALKWAY CONNECTING TO TOILETS
(EXISTING RAMPED PATH NOT COMPLIANT GRADE AND TO BE DEMOLISHED AND REPLACED)
NEW DDA COMPLIANT PATH CONNECTIONS TO EXISTING BBQ AND TABLES AND CHAIRS
PLAYGROUND VIEWING AREA.
• NEW LIMESTONE BLOCK RETAINING WALL /SEATING WALL
PLAYGROUND
EXISTING SPORTS OVAL
Cricket Pitch
Existing Concrete Footpath
Existing Community Building
Childcare Outdoor Play Area
Verandah
Existing Asphalt Carpark
Existing Garden Bed
Gazebo Table & Chairs
Table & Chairs
BBQ
LP
A B C D E F g H I J K L M
X: 0 X: 10,000 X: 20,000 X: 30,000 X: 40,000 X: 50,000 X: 60,000 X: 70,000 X: 80,000 X: 90,000 X: 100,000 X: 110,000 X: 120,000
Y: 90,000 Y: 80,000 Y: 70,000 Y: 60,000 Y: 50,000 Y: 40,000 Y: 30,000 Y: 20,000 Y: 10,000 Y: 0

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CLIENT
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102 UDUC ROAD, HARVEY 6220

DRAWN: JY
CHECKED: AT
DIRECTOR: DH

SCALE: SCALE 1:200 @A1 — LENGTHS ARE IN METRES

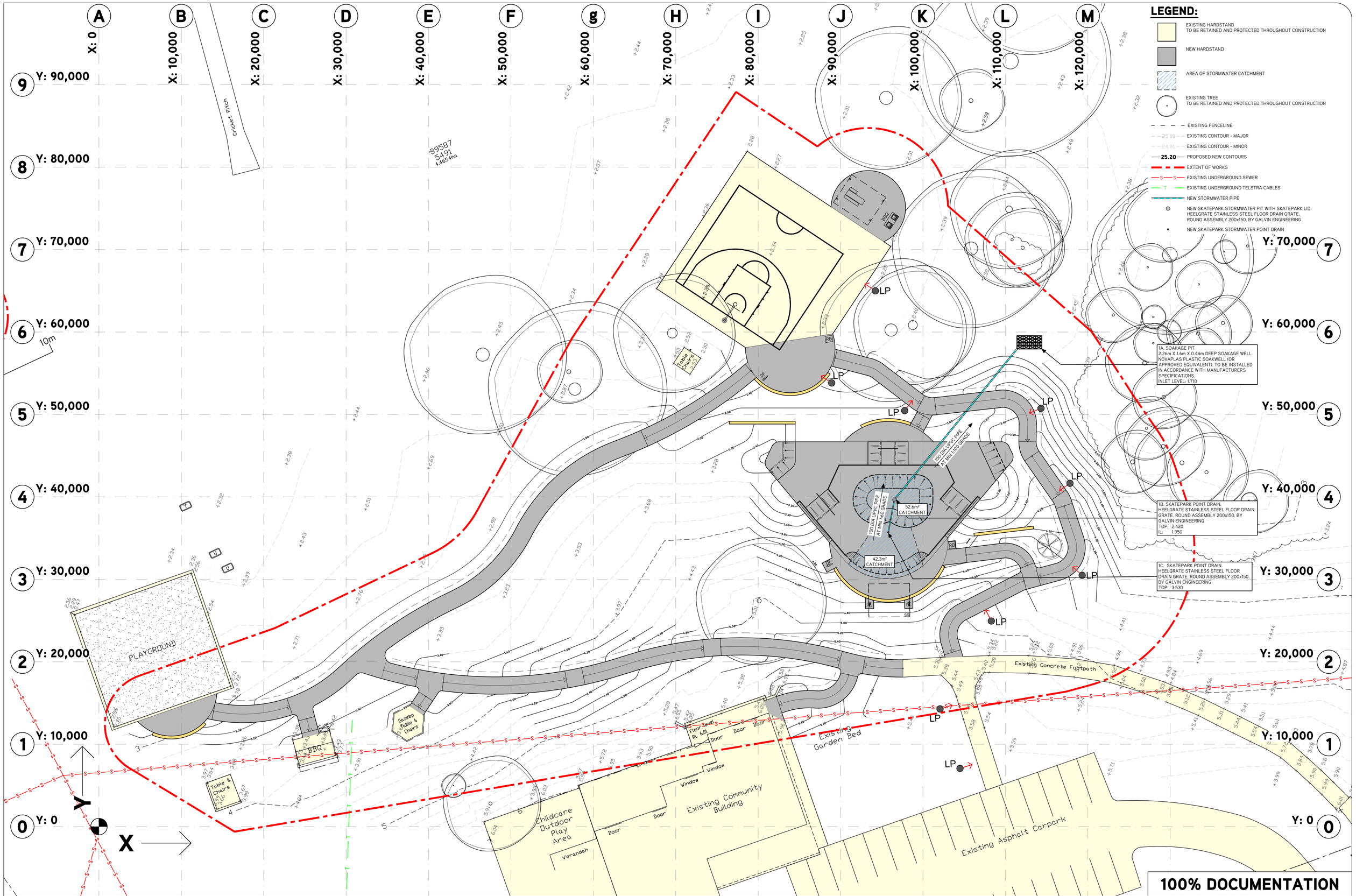
NORTH POINT

REV	DESCRIPTION	DATE
D	100% DOCUMENTATION	02.07.25
C	FOR APPROVAL	15.05.25
B	90% DOCUMENTATION	07.03.25
A	50% DOCUMENTATION	20.12.24

PROJECT
BINNINGUP SKATEPARK
LAKES PARADE, BINNINGUP, WA 6233

DRAWING TITLE
SITE PLAN

DRAWING NUMBER: **24015_CD012**
REV: **D**



100% DOCUMENTATION

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DRAWN JY
CHECKED AT
DIRECTOR DH

SCALE
SCALE 1:200 @A1
2 0 2 4 6 8 10
LENGTHS ARE IN METRES

NORTH POINT

C	100% DOCUMENTATION	02.07.25
B	90% DOCUMENTATION	07.03.25
A	50% DOCUMENTATION	20.12.24

PROJECT
BINNINGUP SKATEPARK
LAKES PARADE, BINNINGUP, WA 6233

DRAWING TITLE
DRAINAGE PLAN

DRAWING NUMBER
24015_CD013

REV
C

LEGEND:
EXISTING HARDSTAND. TO BE RETAINED AND PROTECTED THROUGHOUT CONSTRUCTION
PROPOSED AREA OF NEW HARDSTAND.
+24.150 EXISTING SURFACE LEVEL SHOWN IN METRES
+24.150 PROPOSED SURFACE LEVEL SHOWN IN METRES
+FGL 24.150 PROPOSED FINISHED GROUND LEVEL SHOWN IN METRES
GRADE EVENLY INDICATES DIRECTION OF FALL ACROSS CONCRETE SURFACE GRADE EVENLY AND ENSURE NO POOLING OF WATER OCCURS - TYPICAL GRADE @ 1:66 FALL
25.00 PROPOSED NEW SITE CONTOUR
CONTRACTOR TO UNDERTAKE DETAILED EXAMINATION OF EXISTING SLAB LEVELS TO DETERMINE FALL OF NEW SLAB TO ENSURE SURFACE RUN OFF AND NO POOLING OF WATER OCCURS
FOLLOWING DEMOLITION OF CORNER OF EXISTING SLAB. CONTRACTOR TO UNDERTAKE DETAILED EXAMINATION OF EXISTING SLAB FALLS AND DETERMINE FALL DIRECTION AND GRADES OF NEW CONCRETE APRON TO ENSURE SURFACE RUN OFF TO GRASS AND AVOID POOLING OF WATER. REQUEST CLARIFICATION FROM SUPERINTENDENT PRIOR TO CONSTRUCTION IF THIS IS NOT ACHIEVABLE.
EXISTING SPORTS OVAL
Cricket Pitch
PLAYGROUND
REFER SKATEPARK AREA DRAWINGS
Existing Concrete Footpath
Existing Garden Bed
Existing Community Building
Childcare Outdoor Play Area
Verandah
Existing Asphalt Carpark
BBQ
Gazebo Table & Chairs
Table & Chairs

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102 UDUC ROAD, HARVEY 6220

DRAWN: JY
CHECKED: AT
DIRECTOR: DH

SCALE: SCALE 1:200 @A1 — LENGTHS ARE IN METRES

NORTH POINT

REV	DESCRIPTION	DATE
A	100% DOCUMENTATION	02.07.25

PROJECT
BINNINGUP SKATEPARK
LAKES PARADE, BINNINGUP, WA 6233

DRAWING TITLE
OVERALL - GRADING

DRAWING NUMBER: **24015_CD020**
REV: **A**

A X: 0 | B X: 10,000 | C X: 20,000 | D X: 30,000 | E X: 40,000 | F X: 50,000 | g X: 60,000 | H X: 70,000 | I X: 80,000 | J X: 90,000 | K X: 100,000 | L X: 110,000 | M X: 120,000

9 Y: 90,000 | 8 Y: 80,000 | 7 Y: 70,000 | 6 Y: 60,000 | 5 Y: 50,000 | 4 Y: 40,000 | 3 Y: 30,000 | 2 Y: 20,000 | 1 Y: 10,000 | 0 Y: 0

LEGEND:

- EXISTING HARDSTAND. TO BE RETAINED AND PROTECTED THROUGHOUT CONSTRUCTION
- P-PG — PEDESTRIAN CONCRETE - PORTLAND GREY CONCRETE REFER TO MATERIALS AND FINISHES SCHEDULE
- SPG — SKATE PARK CONCRETE - PORTLAND GREY CONCRETE REFER TO FURNITURE AND FINISHES SCHEDULE
- SB — SKATEPARK CONCRETE - HONEYCOMB CONCRETE COLOUR REFER TO MATERIALS AND FINISHES SCHEDULE
- TP — TANGENT POINT OF RADIUS
- CTR — CENTRE POINT OF RADIUS
- 2500 — MINOR DIMENSIONS
- 305 / A — REFER TO DETAILS CD305 FOR FURTHER INFORMATION

Cricket Pitch

EXISTING SPORTS OVAL

39587 m2
5491 m
4.4654ha

PLAYGROUND

REFER SKATEPARK AREA DRAWINGS

Table & Chairs

Gazebo Table & Chairs

Childcare Outdoor Play Area

Verandah

Existing Community Building

Window

Door

Floor Level RL 6.81

Existing Garden Bed

Existing Concrete Footpath

Existing Asphalt Carpark

LP

10m

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CHECKED AT
DIRECTOR DH

SCALE
SCALE 1:200 @A1
2 0 2 4 6 8 10
LENGTHS ARE IN METRES

NORTH POINT

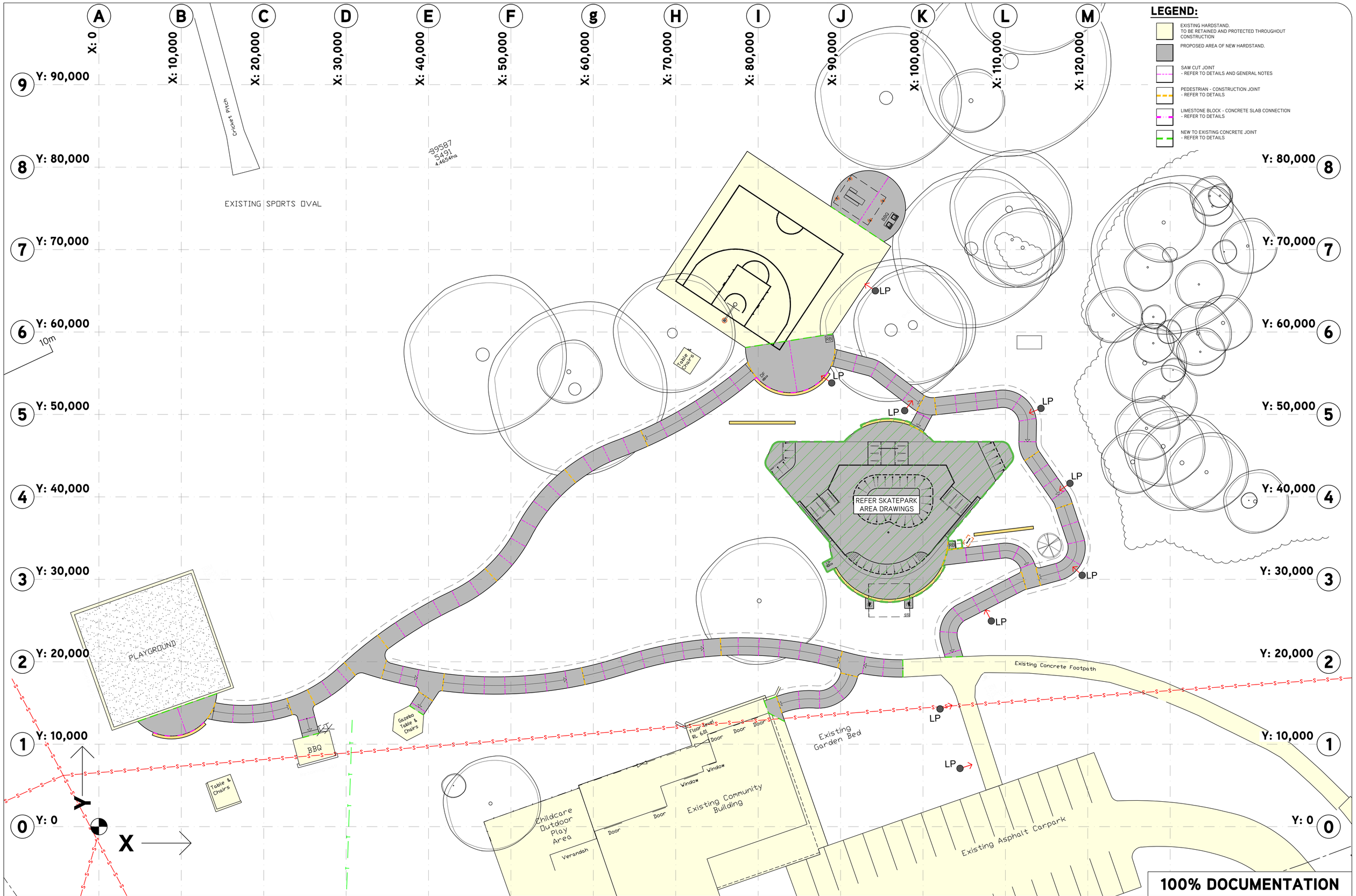
A	100% DOCUMENTATION	02.07.25

PROJECT
BINNINGUP SKATEPARK
LAKES PARADE, BINNINGUP, WA 6233

DRAWING TITLE
OVERALL - DIMENSIONS & SURFACE FINISHES

DRAWING NUMBER
24015_CD021

REV
A



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DIRECTOR DH

SCALE
SCALE 1:200 @A1
2 0 2 4 6 8 10
LENGTHS ARE IN METRES

NORTH POINT

A	100% DOCUMENTATION	02.07.25

PROJECT
BINNINGUP SKATEPARK
LAKES PARADE, BINNINGUP, WA 6233

DRAWING TITLE
OVERALL - CONCRETE JOINTS

DRAWING NUMBER
24015_CD022

REV
A

PLANTING SCHEDULE					
CODE (REFER TO PLANS)	BOTANICAL NAME	COMMON NAME	POT SIZE	SPACING	TOTAL
TREES					No.
Cor	*Corymbia Calophylla*	Marri	45L	NA	1No.
SHRUBS					
Ab	*Alyxia Buxifolia*	Sea Box	Tubestock	3/m²	174
Ac	*Atriplex Cinerea*	Grey Saltbush	Tubestock	3/m²	174
GROUND COVERS					
Con	Conostylis Candicans	Grey Cottonhand	Tubestock	3/m²	171
Hp	Hemiandra Pungens	Snake Bush	Tubestock	3/m²	171

LEGEND:

- EXISTING HARDSTAND. TO BE RETAINED AND PROTECTED THROUGHOUT CONSTRUCTION
- PLANTING - SHRUBS REFER TO PLANT SCHEDULE
- PLANTING - GROUND COVERS REFER TO PLANT SCHEDULE
- TREE PLANTING REFER TO PLANTING SCHEDULE. PROVIDE AS TREE SPECIMEN 2.5-3.5m HIGH

E X: 40,000 | F X: 50,000 | g X: 60,000 | H X: 70,000 | I X: 80,000 | J X: 90,000 | K X: 100,000 | L X: 110,000 | M X: 120,000

8 Y: 80,000 | 7 Y: 70,000 | 6 Y: 60,000 | 5 Y: 50,000 | 4 Y: 40,000 | 3 Y: 30,000 | 2 Y: 20,000 | 1 Y: 10,000 | 0 Y: 0

39587 sq 4.4654Ha

EXISTING SPORTS OVAL

PLAYGROUND

BBQ

Gazebo Table & Chairs

Table & Chairs

Table & Chairs

REFER SKATEPARK AREA DRAWINGS

SHRUBS - 116m²
174 no. Ab
174 no. Ac

1 no. Cor

GROUND COVER - 33m²
50 no. Con
50 no. Hp

GROUND COVER - 23m²
34 no. Con
34 no. Hp

GROUND COVER - 58m²
87 no. Con
87 no. Hp

Existing Concrete Footpath

Existing Garden Bed

Existing Community Building

Childcare Outdoor Play Area

Verandah

Door

Window

Floor Level RL 6.01

Existing Asphalt Carpark

10m

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CLIENT
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DRAWN JY
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DIRECTOR DH

SCALE
SCALE 1:200 @A1
2 0 2 4 6 8 10
LENGTHS ARE IN METRES

NORTH POINT

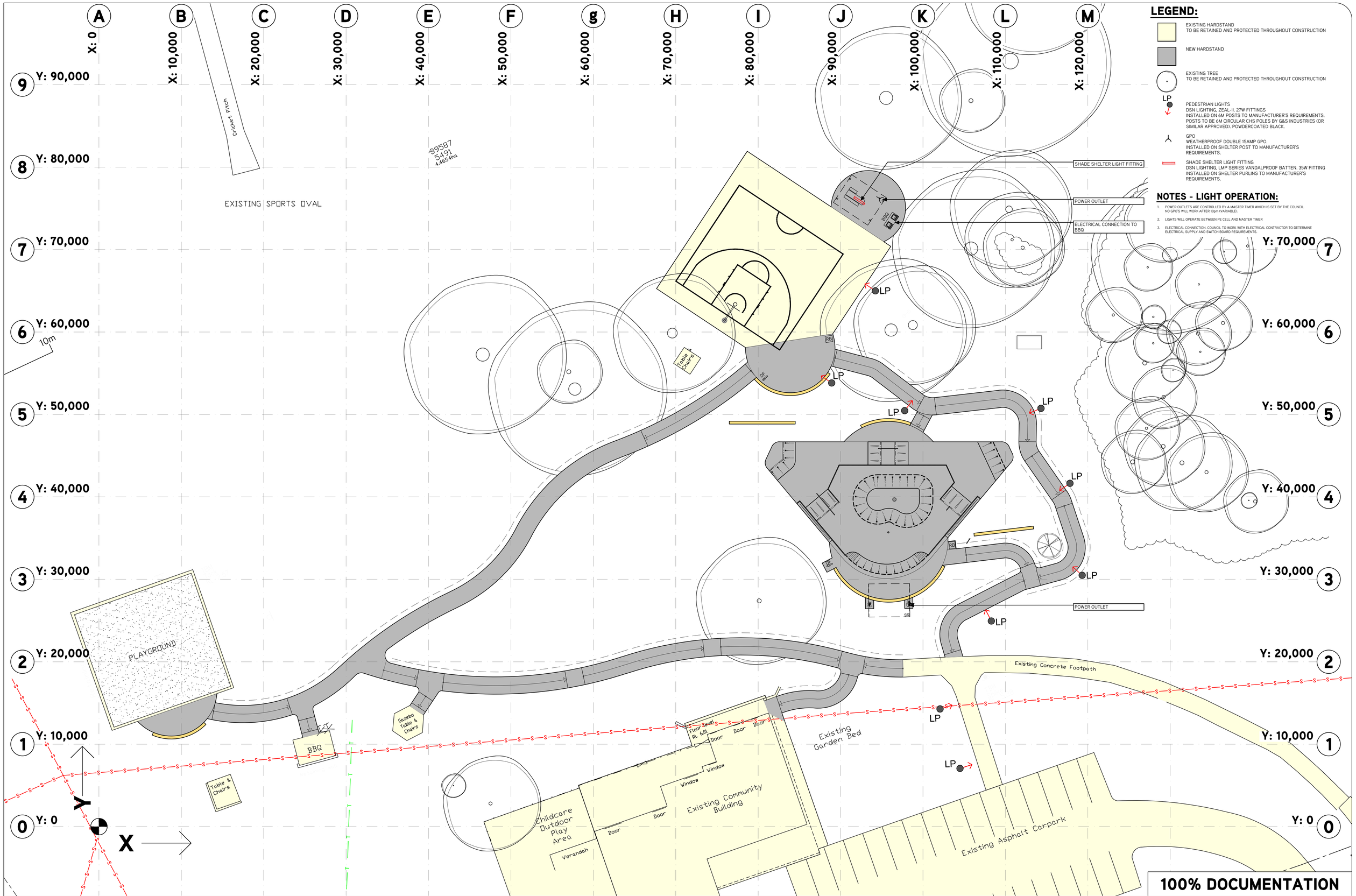
A	100% DOCUMENTATION	02.07.25

PROJECT
BINNINGUP SKATEPARK
LAKES PARADE, BINNINGUP, WA 6233

DRAWING TITLE
OVERALL - PLANTING PLAN

DRAWING NUMBER
24015_CD023

REV
A



LEGEND:

- EXISTING HARDSTAND
  TO BE RETAINED AND PROTECTED THROUGHOUT CONSTRUCTION
- NEW HARDSTAND
- EXISTING TREE
  TO BE RETAINED AND PROTECTED THROUGHOUT CONSTRUCTION
- LP — PEDESTRIAN LIGHTS
  DSN LIGHTING, ZEAL-II. 27W FITTINGS
  INSTALLED ON 6M POSTS TO MANUFACTURER'S REQUIREMENTS.
  POSTS TO BE 6M CIRCULAR CHS POLES BY G&S INDUSTRIES (OR SIMILAR APPROVED). POWDERCOATED BLACK.
- GPO
  WEATHERPROOF DOUBLE 15AMP GPO.
  INSTALLED ON SHELTER POST TO MANUFACTURER'S REQUIREMENTS.
- SHADE SHELTER LIGHT FITTING
  DSN LIGHTING, LMP SERIES VANDALPROOF BATTEN. 35W FITTING
  INSTALLED ON SHELTER PURLINS TO MANUFACTURER'S REQUIREMENTS.

NOTES - LIGHT OPERATION:

1. POWER OUTLETS ARE CONTROLLED BY A MASTER TIMER WHICH IS SET BY THE COUNCIL. NO GPO'S WILL WORK AFTER 10pm (VARIABLE).
2. LIGHTS WILL OPERATE BETWEEN PE CELL AND MASTER TIMER
3. ELECTRICAL CONNECTION. COUNCIL TO WORK WITH ELECTRICAL CONTRACTOR TO DETERMINE ELECTRICAL SUPPLY AND SWITCH BOARD REQUIREMENTS.

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CHECKED AT
DIRECTOR DH

SCALE
SCALE 1:200 @A1
2 0 2 4 6 8 10
LENGTHS ARE IN METRES

NORTH POINT

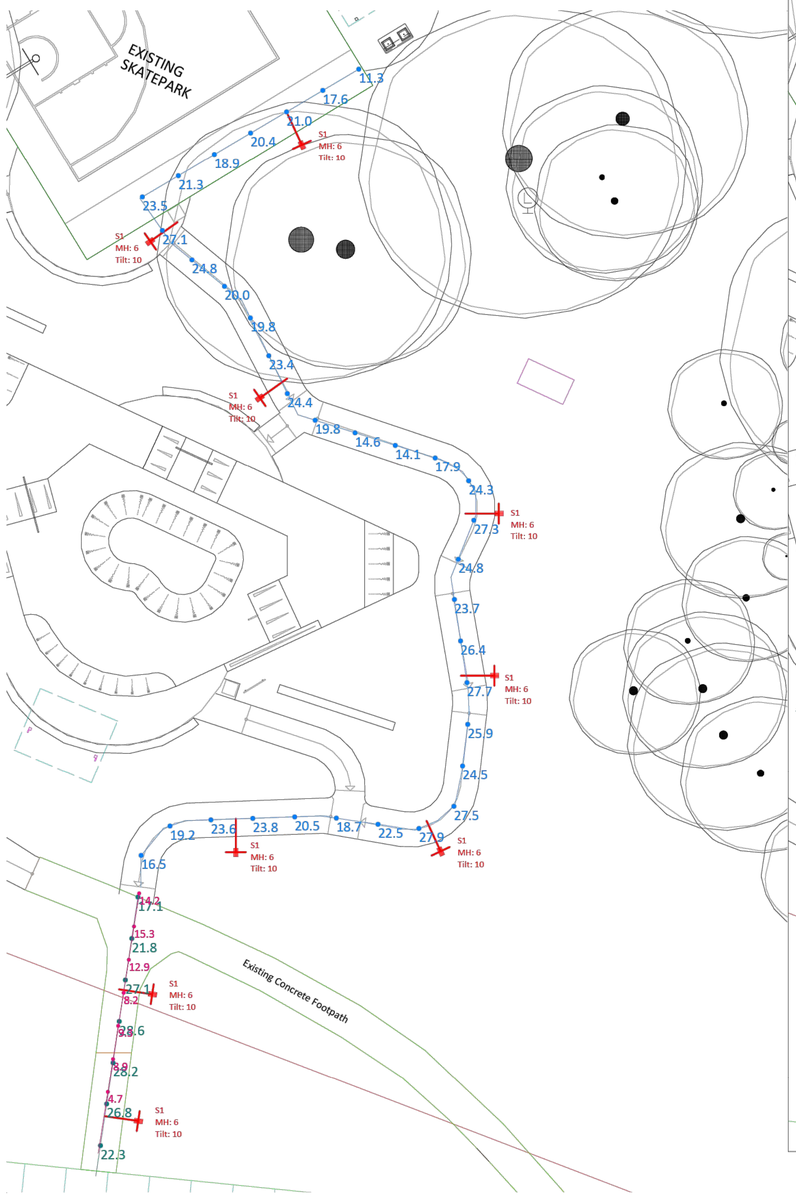
A	100% DOCUMENTATION	02.07.25

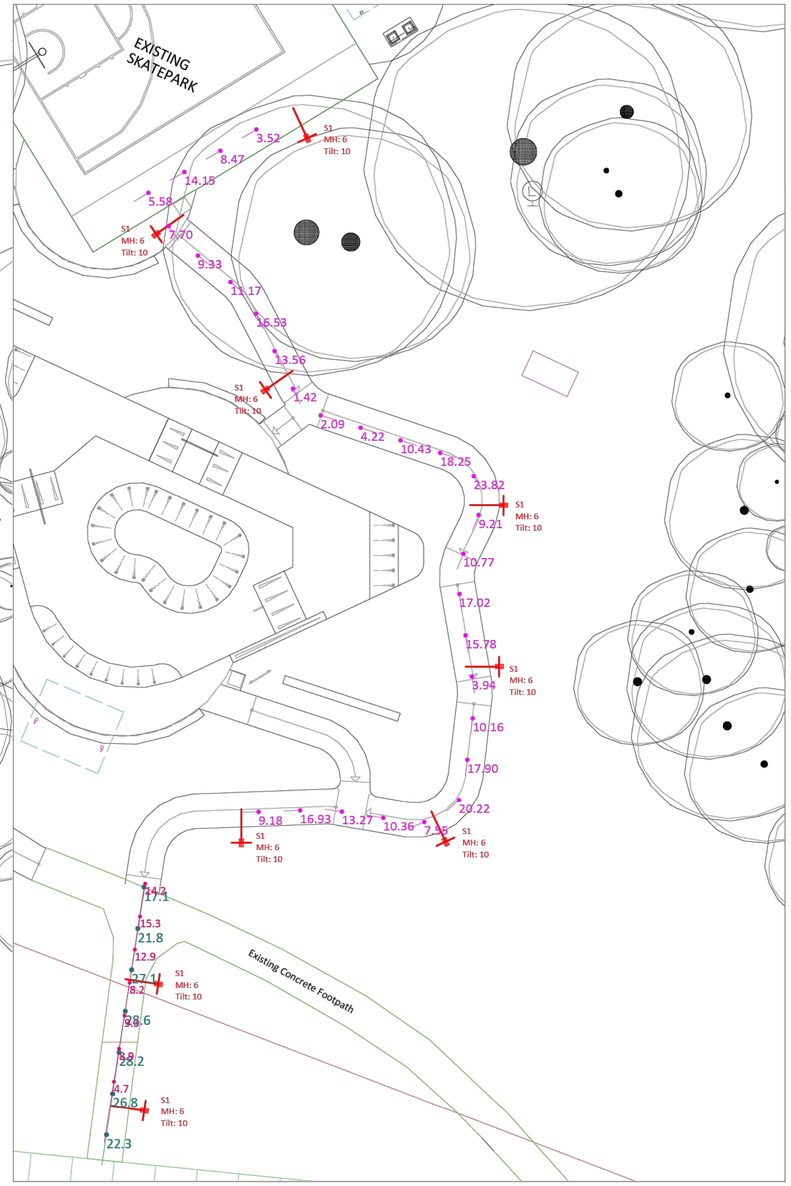
PROJECT
BINNINGUP SKATEPARK
LAKES PARADE, BINNINGUP, WA 6233

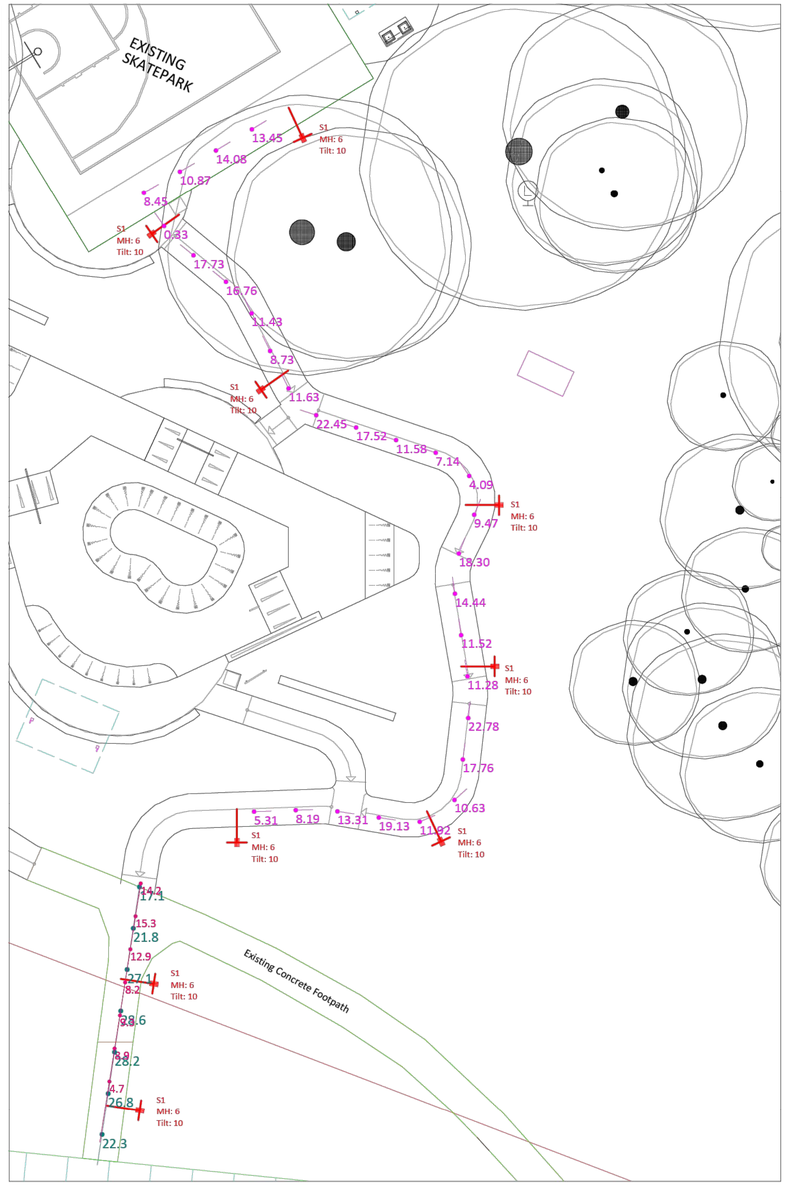
DRAWING TITLE
ELECTRICAL PLAN

DRAWING NUMBER
24015_CD040

REV
A







Luminaire Schedule				
Label	**Symbol**	**Description**	**LLF**	**Qty**
S1		DNS LZ-SL-272B-BGSP	0.800	9

Calculation Summary						
Label	**Units**	**Avg**	**Max**	**Min**	**Min/Avg**	**Max/Avg**
Pathway	Lux	21.9	27.9	11.3	0.52	1.27
Pathway - Vert 1	Lux	N.A.	23.82	1.42	N.A.	N.A.
Pathway - Vert 2	Lux	N.A.	22.78	0.33	N.A.	N.A.
Pathway Sec 2	Lux	24.6	28.6	17.1	0.70	1.16
Pathway Sec 2 - Vert 1	Lux	N.A.	15.3	4.7	N.A.	N.A.
Pathway Sec 2 - Vert 2	Lux	N.A.	15.3	4.7	N.A.	N.A.

LIGHTING CALCULATIONS ARE ACCORDING TO AS1158.3.1, SUB-CATEGORY PP5

BINNINGUP SKATEPARK

PATHWAY

REF BGSP-PTW-R02-300525

DATE 10/06/2025

Page 1 of 1

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102 UDUC ROAD, HARVEY 6220

DRAWN JY
CHECKED AT
DIRECTOR DH

SCALE NTS
0 0 0 0 0 0 0
LENGTHS ARE IN METRES

NORTH POINT

A	100% DOCUMENTATION	02.07.25

PROJECT
BINNINGUP SKATEPARK
LAKES PARADE, BINNINGUP, WA 6233

DRAWING TITLE
LUX ANALYSIS PLAN

DRAWING NUMBER
24015_CD041

REV
A

LEGEND:

- EXISTING HARDSTAND. TO BE RETAINED AND PROTECTED THROUGHOUT CONSTRUCTION
- PROPOSED AREA OF NEW HARDSTAND.
- +24.150 — EXISTING SURFACE LEVEL SHOWN IN METRES
- +24.150 — PROPOSED SURFACE LEVEL SHOWN IN METRES
- +FGL 24.150 — PROPOSED FINISHED GROUND LEVEL SHOWN IN METRES
- GRADE EVENLY — INDICATES DIRECTION OF FALL ACROSS CONCRETE SURFACE GRADE EVENLY AND ENSURE NO POOLING OF WATER OCCURS - TYPICAL GRADE @ 1:66 FALL
- 25.00 — PROPOSED NEW SITE CONTOUR

SKATEPARK AREA:

- CONCRETE BLEND ZONE INDICATES CHANGE IN GRADE BETWEEN DEFINED SKATE PROFILES. CONCRETE TO BLEND EVENLY, SMOOTHLY AND CONSISTENTLY BETWEEN PROFILES, ENSURE NO KINKS IN CONCRETE.
- SQUARE EDGE COPING - REFER TO STEEL WORKS DRAWINGS
- CHS COPING - REFER TO DETAILS
- FLAT BANK BANK ANGLE & HEIGHT - SEE SECTIONS
- QUARTER PIPE RADIUS & HEIGHT - SEE SECTIONS
- ROLL-IN / WATERFALL RADIUS & HEIGHT - SEE SECTIONS
- 25mm RADIUS TO CONCRETE ROLL-OVER EDGE. REFER TO SECTIONS FOR RADIUS

6 Y: 60,000
5 Y: 50,000
4 Y: 40,000
3 Y: 30,000
2 Y: 20,000
X: 70,000 (H)
X: 80,000 (I)
X: 90,000 (J)
X: 100,000 (K)
X: 110,000 (L)
X: 120,000 (M)
X: 130,000 (N)

Table Chairs
Existing Concrete Footpath
LP
RB
DF
SS
TOP: 2.420 IL: 1.950
TOP: 3.530
TOP: 3.660
TOP: 4.640
TOP: 4.045
TOP: 4.025
TOP: 3.610
TOP: 3.605

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CHECKED AT
DIRECTOR DH

SCALE
SCALE 1:100 @A1
1 0 1 2 3 4 5
LENGTHS ARE IN METRES

NORTH POINT

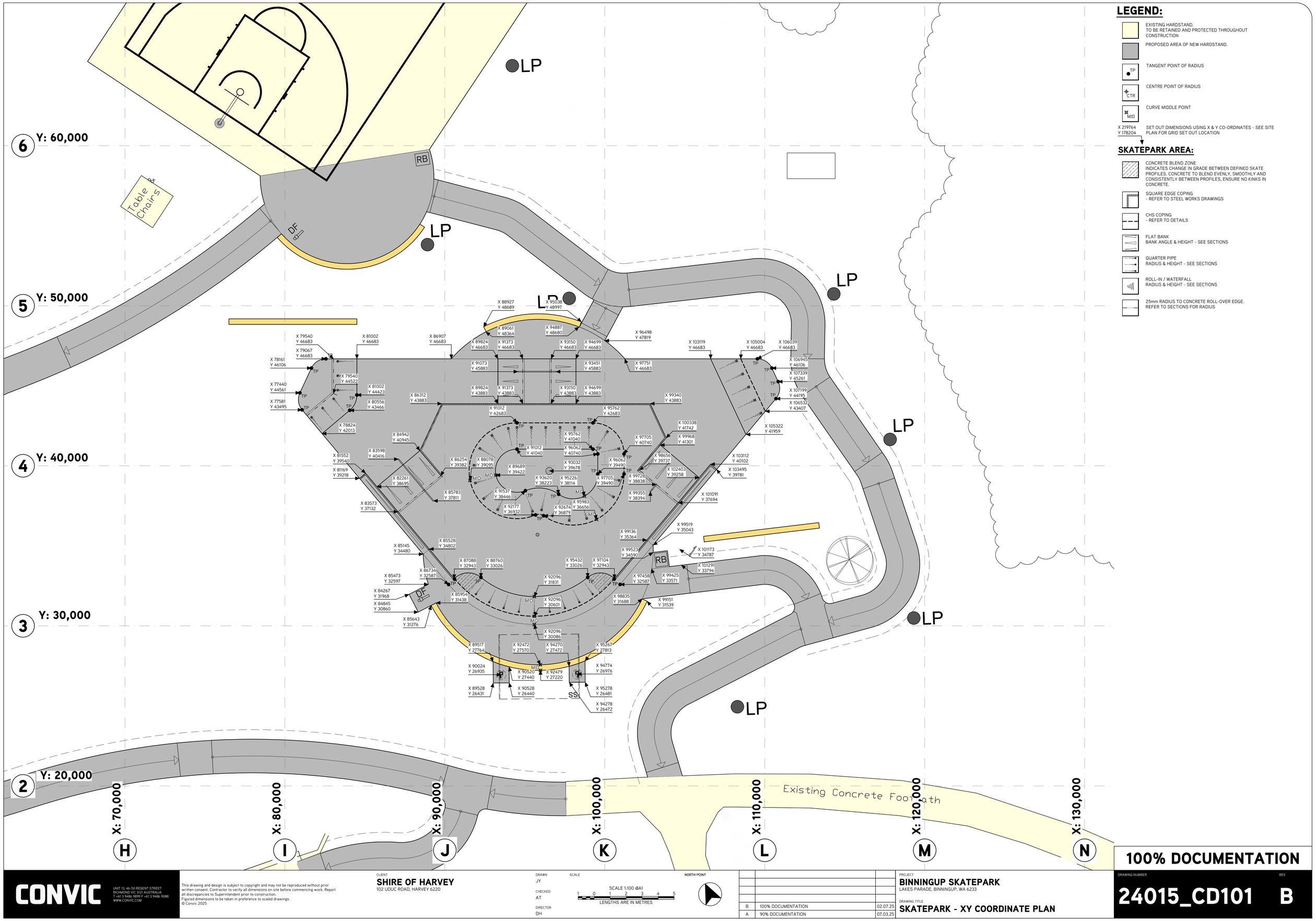
C	100% DOCUMENTATION	02.07.25
B	90% DOCUMENTATION	07.03.25
A	50% DOCUMENTATION	20.12.24

PROJECT
BINNINGUP SKATEPARK
LAKES PARADE, BINNINGUP, WA 6233

DRAWING TITLE
SKATEPARK - GRADING PLAN

DRAWING NUMBER
24015_CD100

REV
C



LEGEND:

- EXISTING HARDSTAND. TO BE RETAINED AND PROTECTED THROUGHOUT CONSTRUCTION
- PROPOSED AREA OF NEW HARDSTAND.
- TP — TANGENT POINT OF RADIUS
- CTR — CENTRE POINT OF RADIUS
- MID — CURVE MIDDLE POINT
- X 219764 Y 178204 — SET OUT DIMENSIONS USING X & Y CO-ORDINATES - SEE SITE PLAN FOR GRID SET OUT LOCATION

SKATEPARK AREA:

- CONCRETE BLEND ZONE INDICATES CHANGE IN GRADE BETWEEN DEFINED SKATE PROFILES. CONCRETE TO BLEND EVENLY, SMOOTHLY AND CONSISTENTLY BETWEEN PROFILES, ENSURE NO KINKS IN CONCRETE.
- SQUARE EDGE COPING - REFER TO STEEL WORKS DRAWINGS
- CHS COPING - REFER TO DETAILS
- FLAT BANK BANK ANGLE & HEIGHT - SEE SECTIONS
- QUARTER PIPE RADIUS & HEIGHT - SEE SECTIONS
- ROLL-IN / WATERFALL RADIUS & HEIGHT - SEE SECTIONS
- 25mm RADIUS TO CONCRETE ROLL-OVER EDGE. REFER TO SECTIONS FOR RADIUS

100% DOCUMENTATION

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DRAWN JY
CHECKED AT
DIRECTOR DH

SCALE
SCALE 1:100 @A1
1 0 1 2 3 4 5
LENGTHS ARE IN METRES

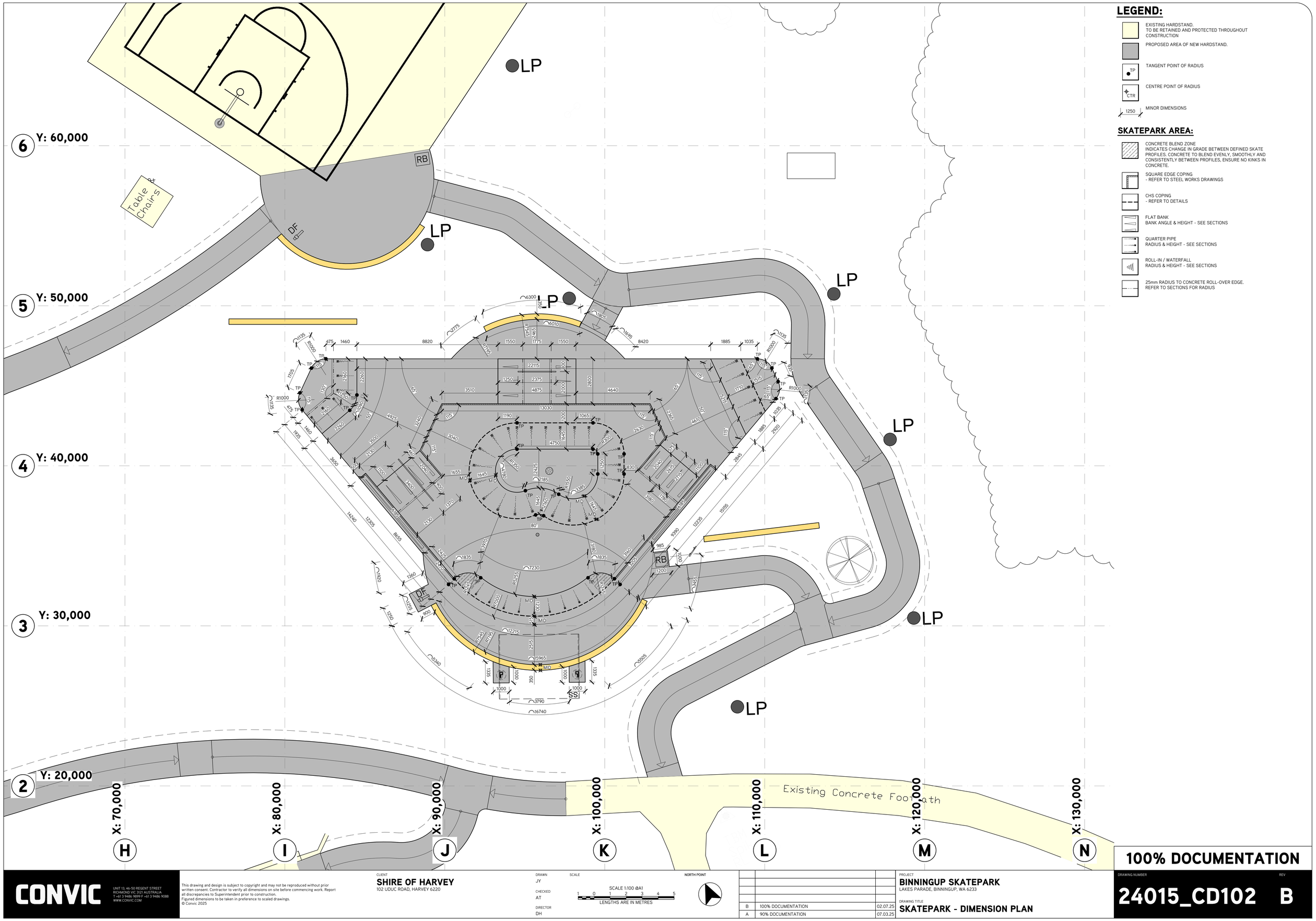
NORTH POINT

B	100% DOCUMENTATION	02.07.25
A	90% DOCUMENTATION	07.03.25

PROJECT
BINNINGUP SKATEPARK
LAKES PARADE, BINNINGUP, WA 6233

DRAWING TITLE
SKATEPARK - XY COORDINATE PLAN

DRAWING NUMBER **24015_CD101** REV **B**



LEGEND:

- EXISTING HARDSTAND. TO BE RETAINED AND PROTECTED THROUGHOUT CONSTRUCTION
- PROPOSED AREA OF NEW HARDSTAND.
- TP — TANGENT POINT OF RADIUS
- CTR — CENTRE POINT OF RADIUS
- 1250 — MINOR DIMENSIONS

SKATEPARK AREA:

- CONCRETE BLEND ZONE
  INDICATES CHANGE IN GRADE BETWEEN DEFINED SKATE PROFILES. CONCRETE TO BLEND EVENLY, SMOOTHLY AND CONSISTENTLY BETWEEN PROFILES, ENSURE NO KINKS IN CONCRETE.
- SQUARE EDGE COPING
  - REFER TO STEEL WORKS DRAWINGS
- CHS COPING
  - REFER TO DETAILS
- FLAT BANK
  BANK ANGLE & HEIGHT - SEE SECTIONS
- QUARTER PIPE
  RADIUS & HEIGHT - SEE SECTIONS
- ROLL-IN / WATERFALL
  RADIUS & HEIGHT - SEE SECTIONS
- 25mm RADIUS TO CONCRETE ROLL-OVER EDGE. REFER TO SECTIONS FOR RADIUS

100% DOCUMENTATION

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CLIENT
SHIRE OF HARVEY
102 UDUC ROAD, HARVEY 6220

DRAWN JY
CHECKED AT
DIRECTOR DH

SCALE
SCALE 1:100 @A1
1 0 1 2 3 4 5
LENGTHS ARE IN METRES

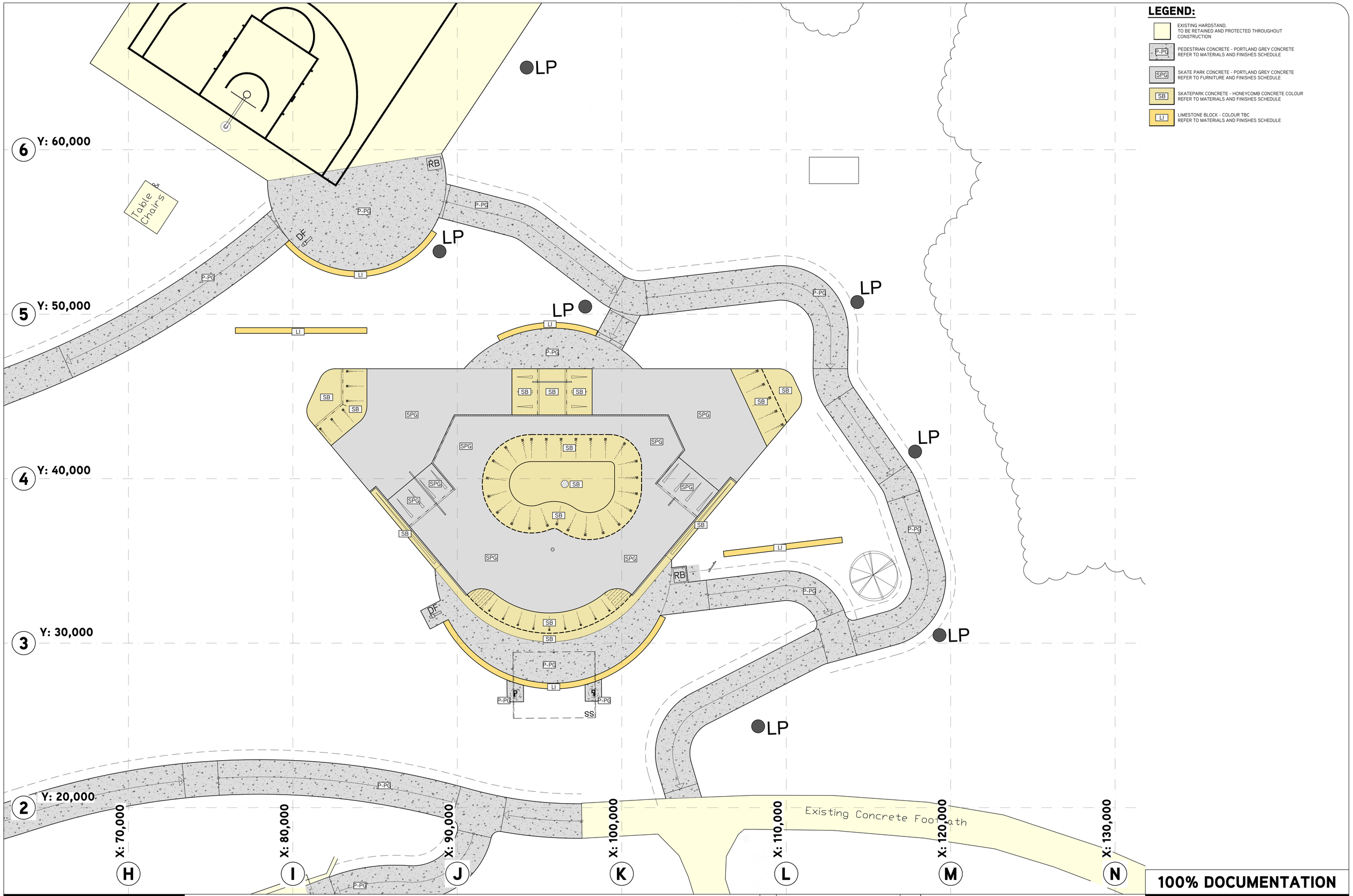
NORTH POINT

REV	DESCRIPTION	DATE
B	100% DOCUMENTATION	02.07.25
A	90% DOCUMENTATION	07.03.25

PROJECT
BINNINGUP SKATEPARK
LAKES PARADE, BINNINGUP, WA 6233

DRAWING TITLE
SKATEPARK - DIMENSION PLAN

DRAWING NUMBER **24015_CD102** REV **B**



100% DOCUMENTATION

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DIRECTOR DH

SCALE
SCALE 1:100 @A1
1 0 1 2 3 4 5
LENGTHS ARE IN METRES

NORTH POINT

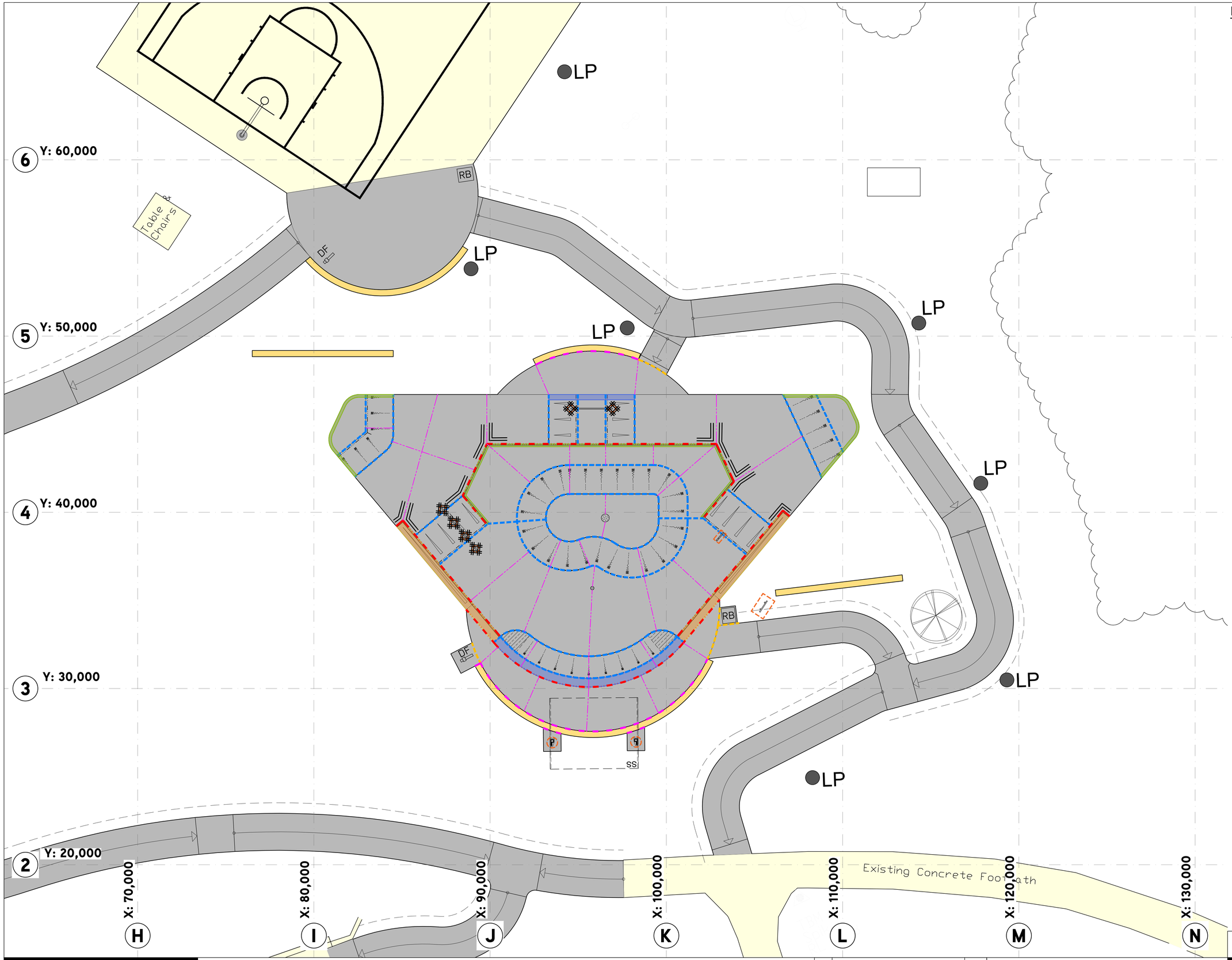
C	100% DOCUMENTATION	02.07.25
B	90% DOCUMENTATION	07.03.25
A	50% DOCUMENTATION	20.12.24

PROJECT
BINNINGUP SKATEPARK
LAKES PARADE, BINNINGUP, WA 6233

DRAWING TITLE
SKATEPARK - SURFACE FINISHES PLAN

DRAWING NUMBER
24015_CD103

REV
C



LEGEND:

- EXISTING HARDSTAND. TO BE RETAINED AND PROTECTED THROUGHOUT CONSTRUCTION
- PROPOSED AREA OF NEW HARDSTAND.
- SAW CUT JOINT - REFER TO DETAILS AND GENERAL NOTES
- CONSTRUCTION JOINT - REFER TO DETAILS
- PEDESTRIAN - CONSTRUCTION JOINT - REFER TO DETAILS
- EXPANSION JOINT - REFER TO DETAILS
- LIMESTONE BLOCK - CONCRETE SLAB CONNECTION - REFER TO DETAILS
- NEW TO EXISTING CONCRETE JOINT - REFER TO DETAILS
- TRIMMER BARS - REFER TO GENERAL NOTES
- EDGE BEAM EB - REFER TO 'SKATEPARK - EDGE BEAM' DETAIL. MINIMUM HEIGHT TO BE DETERMINED TO SUIT PROPOSED LEVELS AND ENSURE MINIMUM EMBEDMENT INTO SUBGRADE.
- DOWNTURN WALL DT - REFER TO 'SKATEPARK - DOWNTURN WALL' DETAIL. MINIMUM HEIGHT TO BE DETERMINED TO SUIT PROPOSED LEVELS AND ENSURE MINIMUM EMBEDMENT INTO SUBGRADE.
- BLOCKS AND MASS CONCRETE OBSTACLES REFER TO SECTIONS AND GRADING PLANS FOR LEVELS AND PROFILES
- FOOTINGS REFER TO SECTIONS AND DETAILS FOR FOOTING INFORMATION.

SKATEPARK AREA:

- CONCRETE BLEND ZONE INDICATES CHANGE IN GRADE BETWEEN DEFINED SKATE PROFILES. CONCRETE TO BLEND EVENLY, SMOOTHLY AND CONSISTENTLY BETWEEN PROFILES, ENSURE NO KINKS IN CONCRETE.
- SQUARE EDGE COPING - REFER TO STEEL WORKS DRAWINGS
- CHS COPING - REFER TO DETAILS
- FLAT BANK BANK ANGLE & HEIGHT - SEE SECTIONS
- QUARTER PIPE RADIUS & HEIGHT - SEE SECTIONS
- ROLL-IN / WATERFALL RADIUS & HEIGHT - SEE SECTIONS
- 25mm RADIUS TO CONCRETE ROLL-OVER EDGE. REFER TO SECTIONS FOR RADIUS

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DIRECTOR DH

SCALE
SCALE 1:100 @A1
1 0 1 2 3 4 5
LENGTHS ARE IN METRES

NORTH POINT

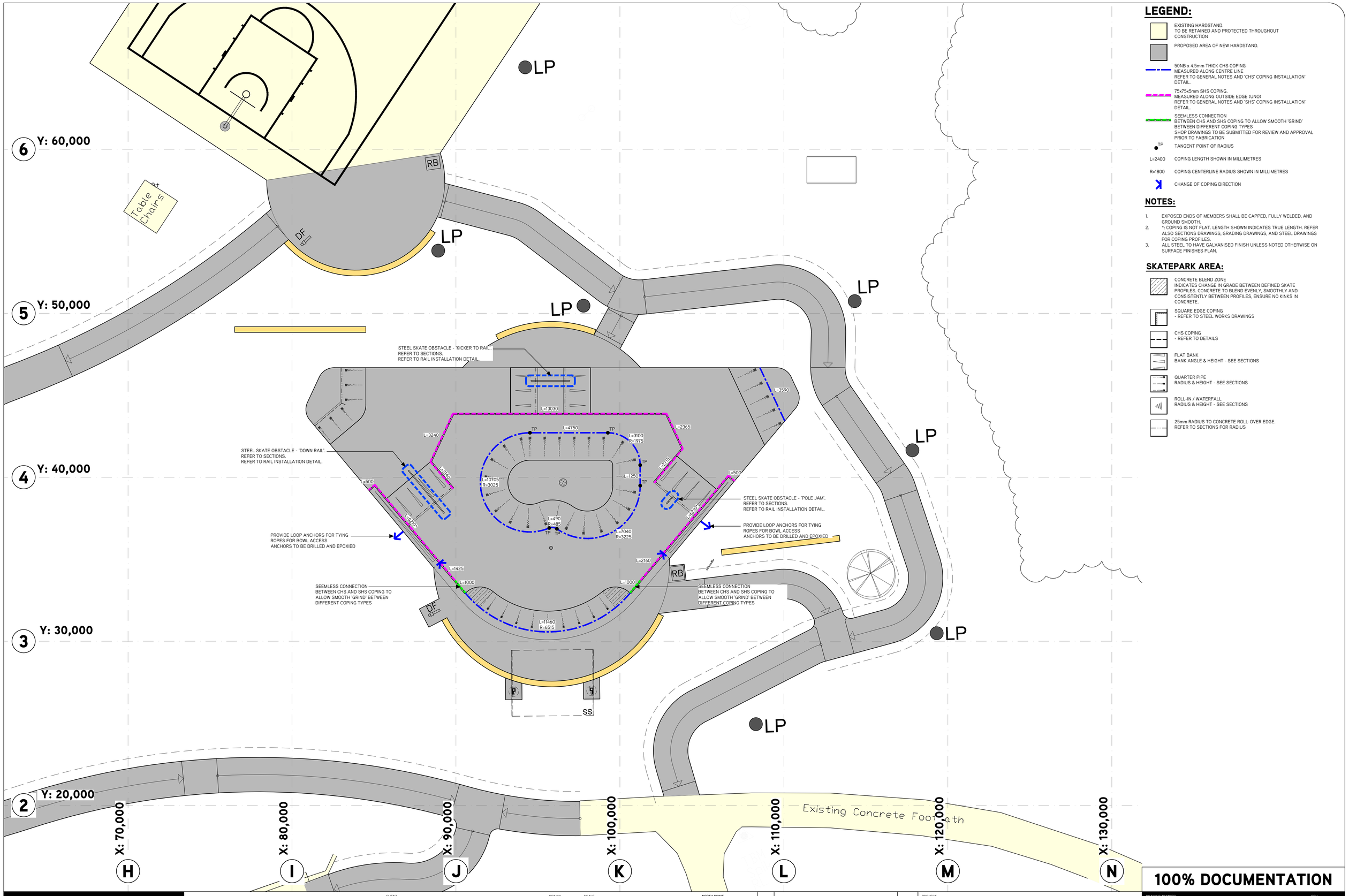
B	100% DOCUMENTATION	02.07.25
A	90% DOCUMENTATION	07.03.25

PROJECT
BINNINGUP SKATEPARK
LAKES PARADE, BINNINGUP, WA 6233

DRAWING TITLE
SKATEPARK - CONCRETE SLAB AND WALLS PLAN

DRAWING NUMBER
24015_CD104

REV
B



LEGEND:

- EXISTING HARDSTAND. TO BE RETAINED AND PROTECTED THROUGHOUT CONSTRUCTION
- PROPOSED AREA OF NEW HARDSTAND.
- 50NB x 4.5mm THICK CHS COPING MEASURED ALONG CENTRE LINE. REFER TO GENERAL NOTES AND 'CHS' COPING INSTALLATION' DETAIL.
- 75x75x5mm SHS COPING. MEASURED ALONG OUTSIDE EDGE (UNO) REFER TO GENERAL NOTES AND 'SHS' COPING INSTALLATION' DETAIL.
- SEEMLESS CONNECTION BETWEEN CHS AND SHS COPING TO ALLOW SMOOTH 'GRIND' BETWEEN DIFFERENT COPING TYPES. SHOP DRAWINGS TO BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO FABRICATION
- TP — TANGENT POINT OF RADIUS
- L=2400 — COPING LENGTH SHOWN IN MILLIMETRES
- R=1800 — COPING CENTERLINE RADIUS SHOWN IN MILLIMETRES
- CHANGE OF COPING DIRECTION

NOTES:

1. EXPOSED ENDS OF MEMBERS SHALL BE CAPPED, FULLY WELDED, AND GROUND SMOOTH.
2. *: COPING IS NOT FLAT. LENGTH SHOWN INDICATES TRUE LENGTH. REFER ALSO SECTIONS DRAWINGS, GRADING DRAWINGS, AND STEEL DRAWINGS FOR COPING PROFILES.
3. ALL STEEL TO HAVE GALVANISED FINISH UNLESS NOTED OTHERWISE ON SURFACE FINISHES PLAN.

SKATEPARK AREA:

- CONCRETE BLEND ZONE. INDICATES CHANGE IN GRADE BETWEEN DEFINED SKATE PROFILES. CONCRETE TO BLEND EVENLY, SMOOTHLY AND CONSISTENTLY BETWEEN PROFILES, ENSURE NO KINKS IN CONCRETE.
- SQUARE EDGE COPING - REFER TO STEEL WORKS DRAWINGS
- CHS COPING - REFER TO DETAILS
- FLAT BANK. BANK ANGLE & HEIGHT - SEE SECTIONS
- QUARTER PIPE. RADIUS & HEIGHT - SEE SECTIONS
- ROLL-IN / WATERFALL. RADIUS & HEIGHT - SEE SECTIONS
- 25mm RADIUS TO CONCRETE ROLL-OVER EDGE. REFER TO SECTIONS FOR RADIUS

100% DOCUMENTATION

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DIRECTOR DH

SCALE
SCALE 1:100 @A1
1 0 1 2 3 4 5
LENGTHS ARE IN METRES

NORTH POINT

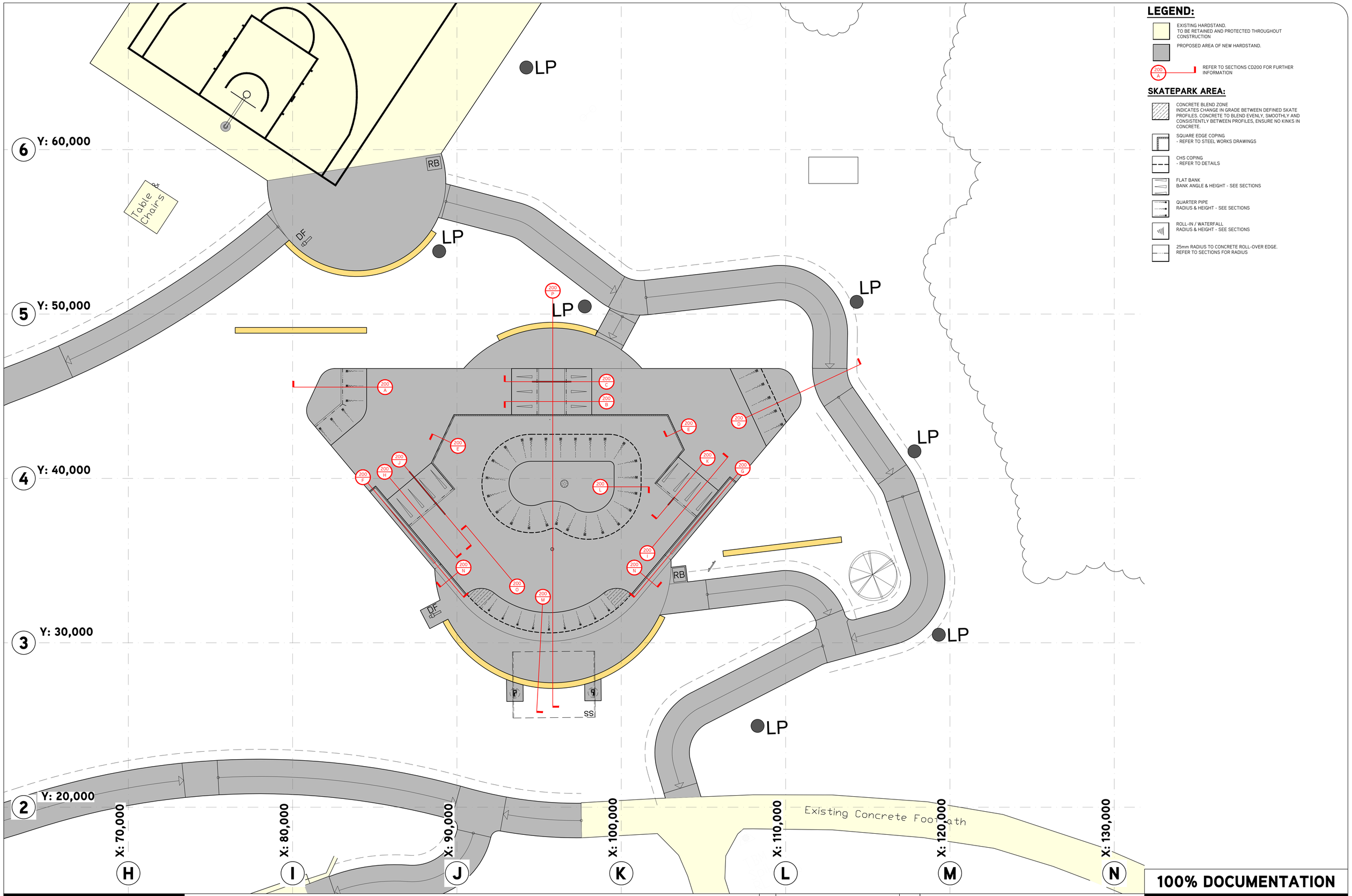
B	100% DOCUMENTATION	02.07.25
A	90% DOCUMENTATION	07.03.25

PROJECT
BINNINGUP SKATEPARK
LAKES PARADE, BINNINGUP, WA 6233

DRAWING TITLE
SKATEPARK - STEELWORK PLAN

DRAWING NUMBER
24015_CD105

REV
B



100% DOCUMENTATION

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SCALE
SCALE 1:100 @A1
1 0 1 2 3 4 5
LENGTHS ARE IN METRES

NORTH POINT

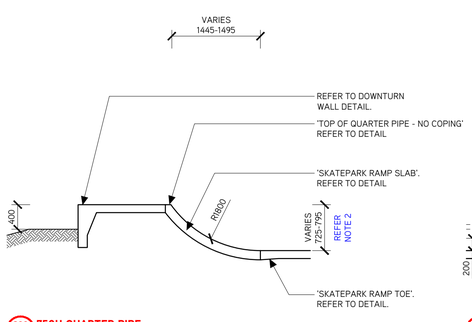
C	100% DOCUMENTATION	02.07.25
B	90% DOCUMENTATION	07.03.25
A	50% DOCUMENTATION	20.12.24

PROJECT
BINNINGUP SKATEPARK
LAKES PARADE, BINNINGUP, WA 6233

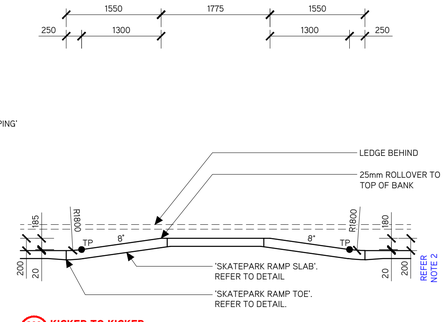
DRAWING TITLE
SKATEPARK - SECTION KEY PLAN

DRAWING NUMBER
24015_CD106

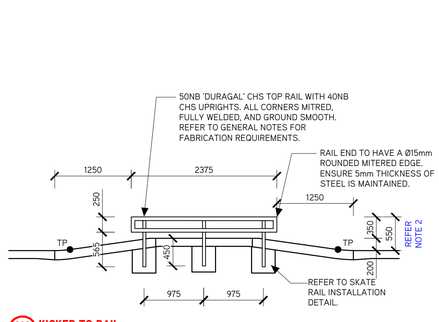
REV
C



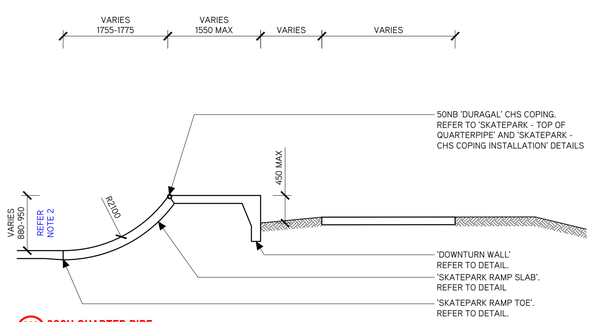
200 A **750H QUARTER PIPE**
SECTION
SCALE 1:50



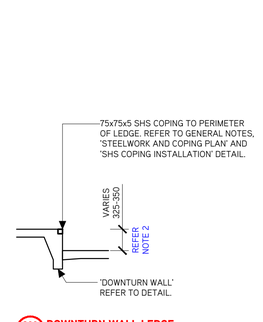
200 B **KICKER TO KICKER**
SECTION
SCALE 1:50



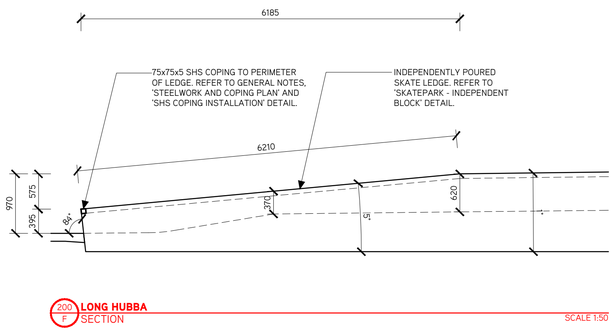
200 C **KICKER TO RAIL**
SECTION
SCALE 1:50



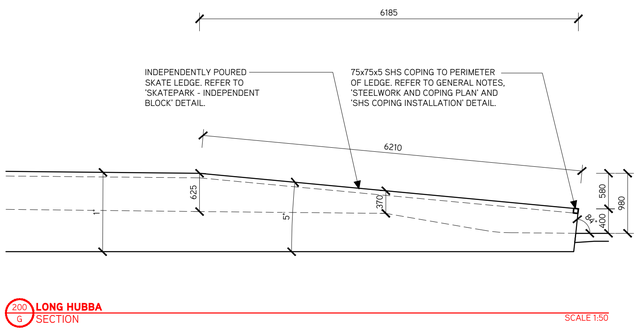
200 D **900H QUARTER PIPE**
SECTION
SCALE 1:50



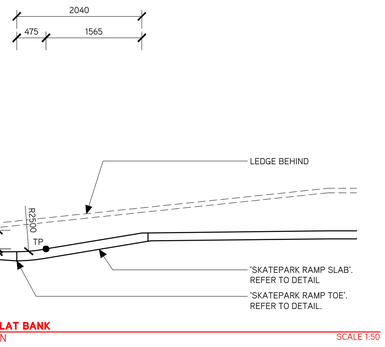
200 E **DOWNTURN WALL LEDGE**
SECTION
SCALE 1:50



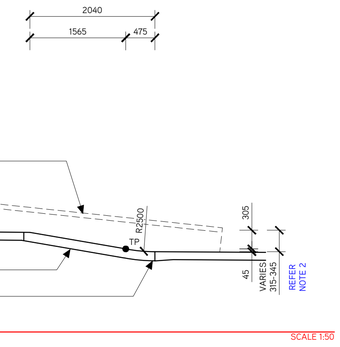
200 F **LONG HUBBA**
SECTION
SCALE 1:50



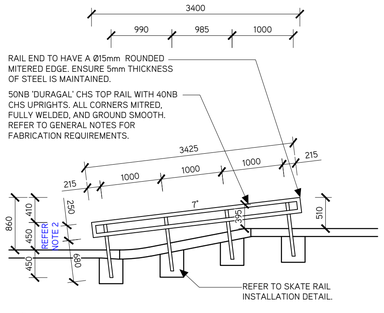
200 G **LONG HUBBA**
SECTION
SCALE 1:50



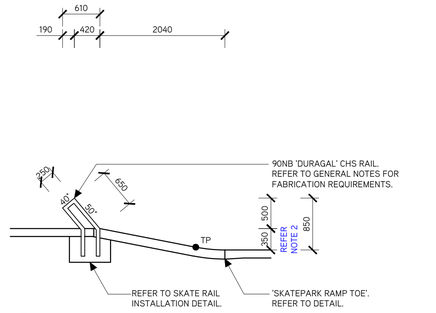
200 H **350H FLAT BANK**
SECTION
SCALE 1:50



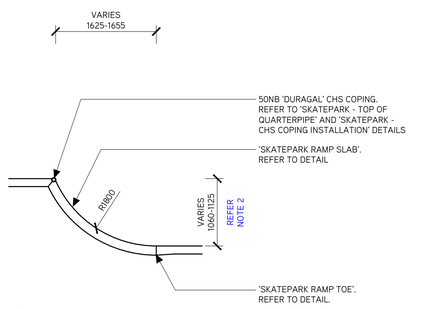
200 I **350H FLAT BANK**
SECTION
SCALE 1:50



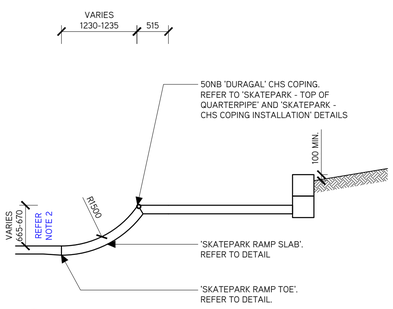
200 J **DOWN RAIL**
SECTION
SCALE 1:50



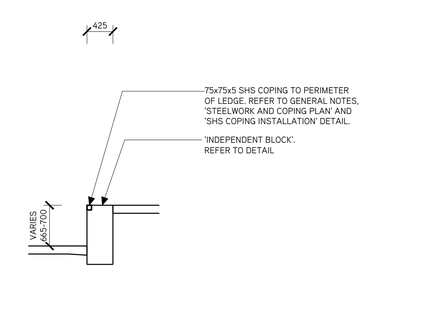
200 K **POLE JAM**
SECTION
SCALE 1:50



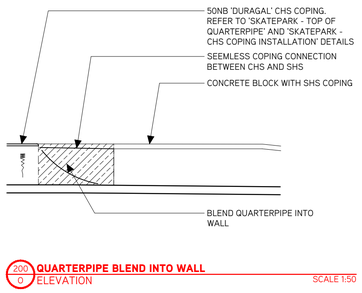
200 L **BOWL TRANSITION**
SECTION
SCALE 1:50



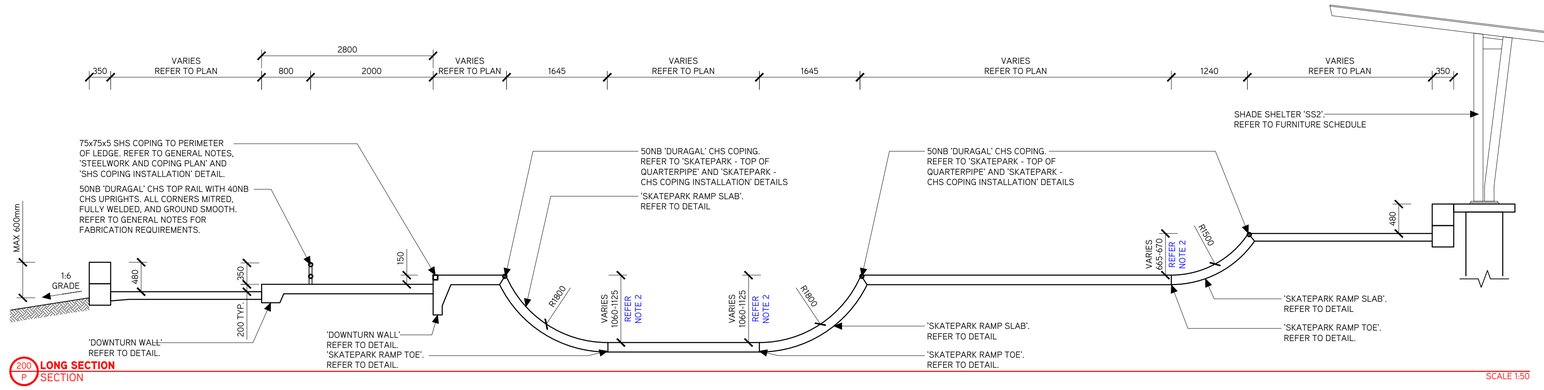
200 M **CORNER QUARTER PIPE**
SECTION
SCALE 1:50



200 N **LONG HUBBA**
CROSS SECTION
SCALE 1:50



200 O **QUARTERPIPE BLEND INTO WALL**
ELEVATION
SCALE 1:50



200 P **LONG SECTION**
SECTION
SCALE 1:50

GENERAL SECTION NOTES:

NOTE 1: SETBACK DIMENSIONS:
DIMESNSIONS BETWEEN LOW AND HIGH COPING IS VARIABLE DEPENDING ON GRADING. COPING SET OUT SHALL BE CHECKED ONSITE WITH RADIUS SCREED AND ADJUSTED PRIOR TO CASTING COPING IN CONCRETE TO ENSURE A CONSISTENT RADIUS OF RAMP IS ACHIEVED.

NOTE 2: HEIGHTS OF OBSTACLES
HEIGHTS INDICATED ARE NOMINAL HEIGHTS OF OBSTACLES. HEIGHT VARIES BASED ON GRADING (REFER GRADING PLAN). GRADING PLAN TAKES PRECEDENTS. ADJUST HEIGHT OF OBSTACLE ON SITE TO ENSURE CORRECT GRADING IS ACHIEVED AND OBSTACLE PROFILES ARE CONSISTENT.

100% DOCUMENTATION

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DIRECTOR DH

SCALE
SCALE 1:50 @A1
0.5 0 0.5 1 1.5 2 2.5
LENGTHS ARE IN METRES

NORTH POINT

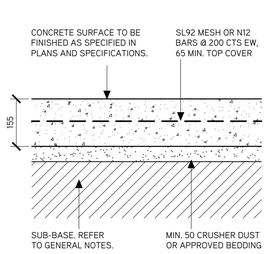
C	100% DOCUMENTATION	02.07.25
B	90% DOCUMENTATION	07.03.25
A	50% DOCUMENTATION	20.12.24

PROJECT
BINNINGUP SKATEPARK
LAKES PARADE, BINNINGUP, WA 6233

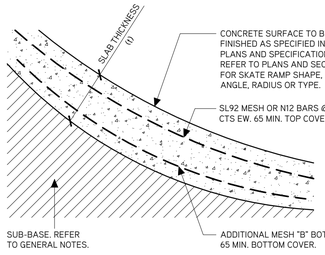
DRAWING TITLE
SECTIONS

DRAWING NUMBER
24015_CD200

REV
C



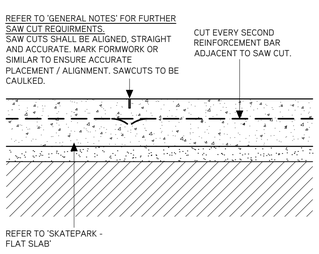
300 A **SKATEPARK - FLAT SLAB**
SECTION SCALE 1:10



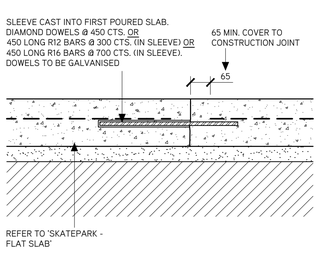
NOMINAL SKATE RAMP SLAB TABLE

SLAB THICKNESS (t) (mm)	ADDITIONAL MESH "B" BOTTOM
155 (Min) - 175	NOT REQUIRED
176 - 200	SL 62 BOTTOM OR N12 @ 400 CTS.
201 - 250	SL 72 BOTTOM OR N12 @ 400 CTS.
251 - 300 (Max)	SL 92 BOTTOM OR N12 @ 300 CTS.

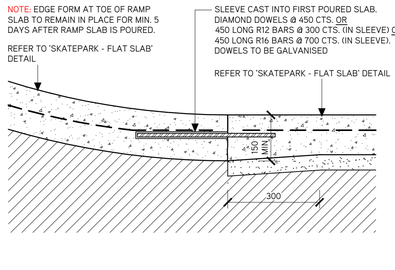
300 B **SKATEPARK - RAMP SLAB**
SECTION SCALE 1:10



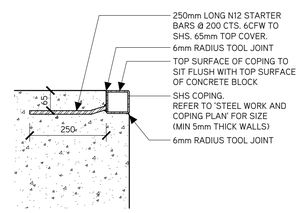
300 C **SKATEPARK - SAW CUT**
SECTION SCALE 1:10



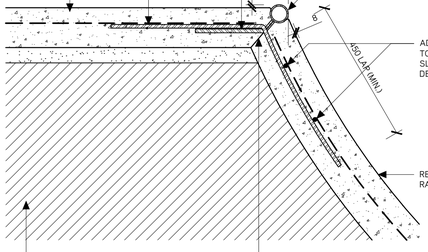
300 D **SKATEPARK - CONSTRUCTION JOINT**
SECTION SCALE 1:10



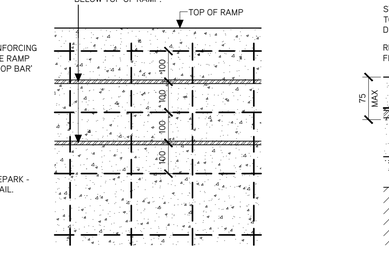
300 E **SKATEPARK - RAMP TOE**
SECTION SCALE 1:10



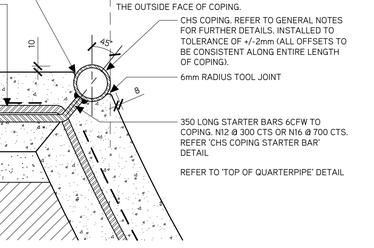
300 F **SHS COPING INSTALLATION**
SECTION SCALE 1:10



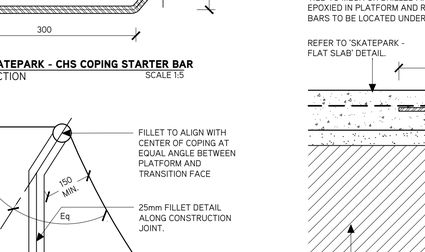
300 G **SKATEPARK - EDGE BEAM (USE ADJACENT TO MOUNDED EARTH)**
SECTION SCALE 1:10



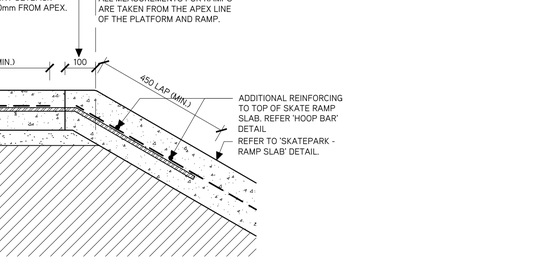
300 H **SKATEPARK - SLAB EDGE (USE ADJACENT TO FLAT EARTH)**
SECTION SCALE 1:10



300 I **SKATEPARK - VERTICAL CONNECTION (EXPANSION JOINT)**
SECTION SCALE 1:10



300 J **SKATEPARK - SKATE RAIL INSTALLATION**
SECTION SCALE 1:10



300 K **SKATEPARK - TOP OF QUARTER PIPE - NO COPING**
SECTION SCALE 1:10

300 L **SKATEPARK - TOP OF QUARTER PIPE**
SECTION SCALE 1:10

300 M **SKATEPARK - HOOP BAR DETAIL**
ELEVATION SCALE 1:10

300 N **SKATEPARK - CHS COPING INSTALLATION**
SECTION SCALE 1:5

300 O **SKATEPARK - CHS COPING STARTER BAR**
SECTION SCALE 1:5

300 P **SKATEPARK - QUARTERPIPE TERMINATION**
ELEVATION SCALE 1:10

300 Q **SKATEPARK - TOP OF RAMP**
SECTION SCALE 1:10

300 R **SKATEPARK - DOWNTURN WALL**
SECTION SCALE 1:10

300 S **SKATEPARK - DOWNTURN WALL**
SECTION SCALE 1:10

300 T **SKATEPARK - INDEPENDENT BLOCK**
SECTION SCALE 1:10

300 V **SKATEPARK - INDEPENDENT BLOCK CONSTRUCTION JOINT**
SECTION SCALE 1:10

100% DOCUMENTATION

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DRAWN JY
CHECKED AT
DIRECTOR DH

SCALE
AS SHOWN
0 0 0 0 0 0 0
LENGTHS ARE IN METRES

NORTH POINT

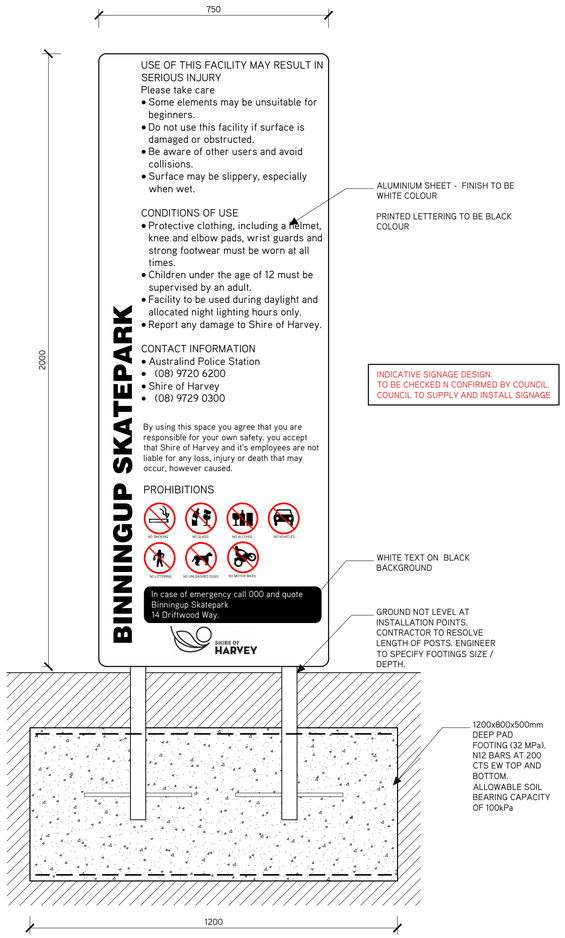
C	100% DOCUMENTATION	02.07.25
B	90% DOCUMENTATION	07.03.25
A	50% DOCUMENTATION	20.12.24

PROJECT
BINNINGUP SKATEPARK
LAKES PARADE, BINNINGUP, WA 6233

DRAWING TITLE
SKATEPARK DETAILS 01

DRAWING NUMBER
24015_CD300

REV
C



301 A **SIGNAGE PANEL DETAIL**
ELEVATION

SCALE 1:10

100% DOCUMENTATION

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SCALE
SCALE 1:10 @A1
0.1 0 0.1 0.2 0.3 0.4 0.5
LENGTHS ARE IN METRES

NORTH POINT

C	100% DOCUMENTATION	02.07.25
B	90% DOCUMENTATION	07.03.25
A	50% DOCUMENTATION	20.12.24

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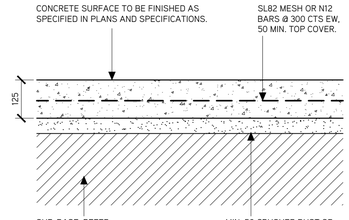
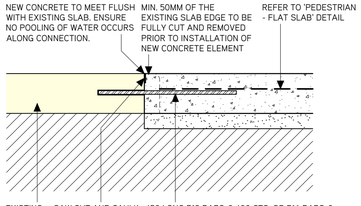
DRAWING TITLE
SKATEPARK DETAILS 02

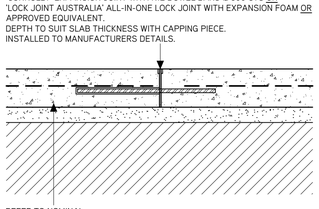
DRAWING NUMBER **24015_CD301** REV **C**



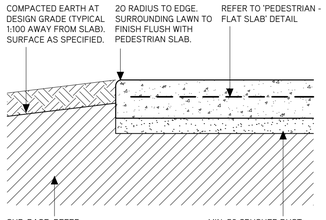
305 A **PEDESTRIAN - FLAT SLAB**
SECTION — SCALE 1:10



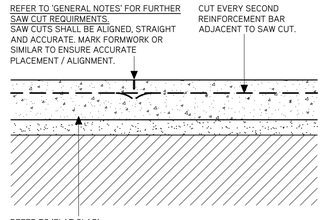
305 B **PEDESTRIAN - NEW TO EXISTING SLAB CONNECTION**
SECTION — SCALE 1:10



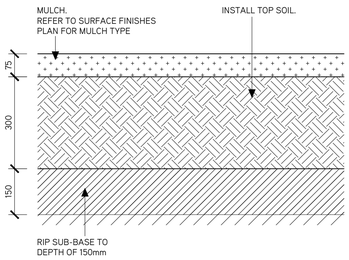
305 C **PEDESTRIAN - CONSTRUCTION JOINT**
SECTION — SCALE 1:10



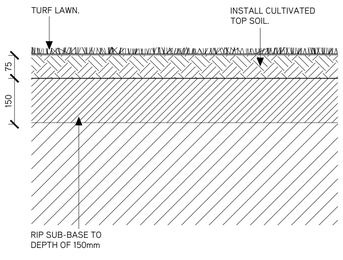
305 D **PEDESTRIAN - SLAB EDGE**
SECTION — SCALE 1:10



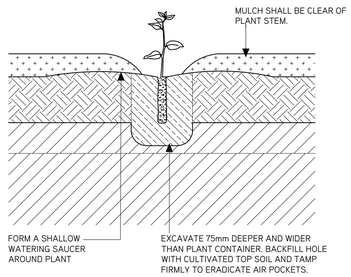
305 E **PEDESTRIAN - SAW CUT**
SECTION — SCALE 1:10



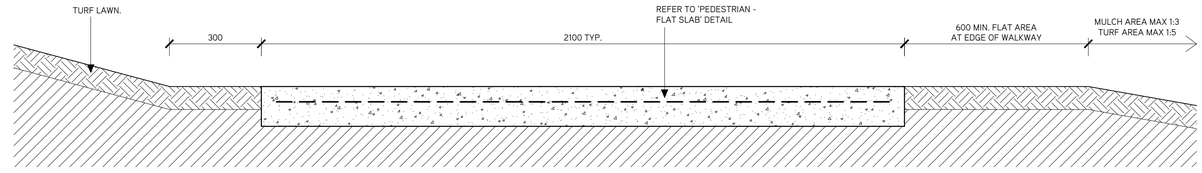
305 F **GARDEN BED MULCH DETAIL**
SECTION — SCALE 1:10



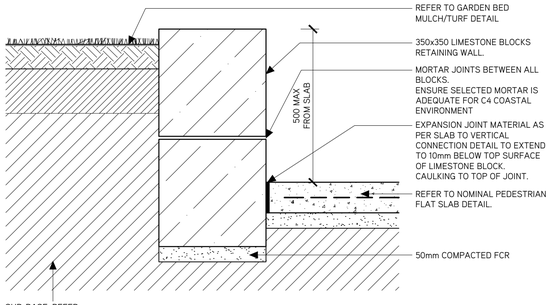
305 G **TURF LAWN DETAIL**
SECTION — SCALE 1:10



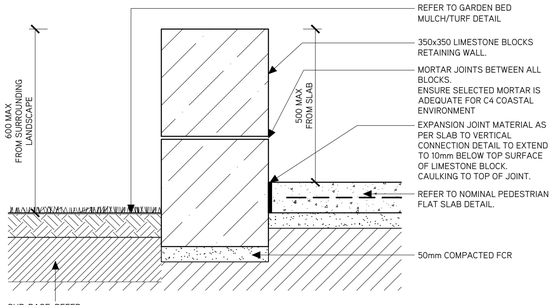
305 H **TUBESTOCK PLANTING DETAIL**
SECTION — SCALE 1:10



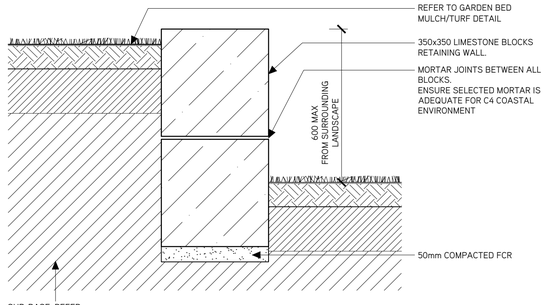
305 I **WALKWAY DETAIL**
SECTION — SCALE 1:10



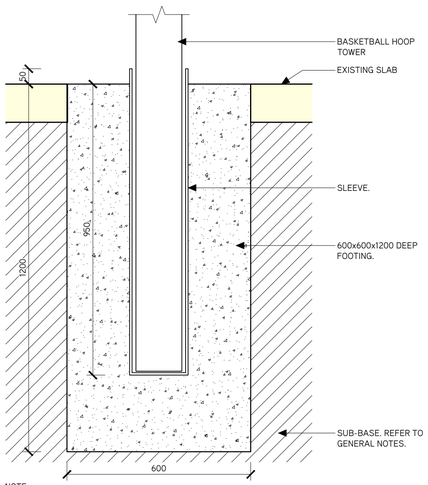
305 J **LIMESTONE BLOCK - RETAINING SEAT ADJACENT TO CONCRETE SLAB**
SECTION — SCALE 1:10



305 K **LIMESTONE BLOCK - FREESTANDING SEAT ADJACENT TO CONCRETE SLAB**
SECTION — SCALE 1:10

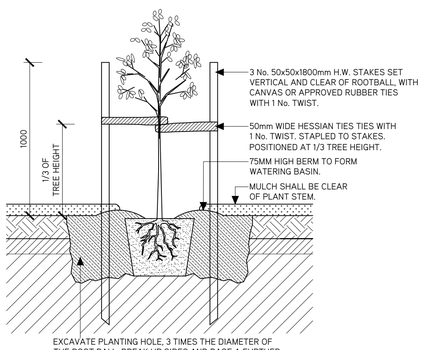


305 L **LIMESTONE BLOCK - RETAINING WALL IN SOFTSCAPE**
SECTION — SCALE 1:10



NOTE:
REFER ALSO TO TRULINE BASKETBALL TOWER INSTALLATION INSTRUCTIONS.

305 M **TRULINE BASKETBALL TOWER FOOTING DETAIL**
SECTION — SCALE 1:10



305 N **SEMI ADVANCED TREE (25L-45L POT) PLANTING DETAIL**
SECTION — SCALE 1:20

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DRAWING TITLE
LANDSCAPE DETAILS

DRAWING NUMBER
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A