

QUAIRADING SPORTS PRECINCT - NETBALL COURTS

10 JENNABERRING ROAD, QUAIRADING, WA.

DRAWING SCHEDULE:

SE_12234_F000	COVER SHEET AND DRAWING SCHEDULE
SE_12234_F010	GENERAL NOTES
SE_12234_F100	SITE CLEARING LAYOUT PLAN
SE_12234_F200	GENERAL ARRANGEMENT AND PAVEMENT LAYOUT PLAN
SE_12234_F250	SITE SECTIONS
SE_12234_F300	STORMWATER DRAINAGE LAYOUT PLAN
SE_12234_F320	STORMWATER DRAINAGE DETAILS, PIT SCHEDULE AND LONG SECTIONS
SE_12234_F650	PAVEMENT PROFILES AND DETAILS
SE_12234_F700	1.05m HIGH FENCE DETAILS
SE_12234_F700	1.8m HIGH FENCE DETAILS

REFERENCE INFORMATION:

ITCW13057 F01 R0 FOR GIS1, REVISION A. DATED 24/09/2024, BY CARABINER.



LOCALITY PLAN - 10 JENNABERRING ROAD, QUAIRADING, WA, 6383.



OVERALL SITE LAYOUT PLAN
ALL AERIAL IMAGERY USED IN THE PRODUCTION OF THIS DRAWING SET HAVE BEEN UNDER LICENSE FROM METROMAP.

WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATION OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVE THEIR EXACT POSITION ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

NOT FOR CONSTRUCTION



T1	15/11/24	RKC	BWL	ARM	TENDER ISSUE
Issue	Date	By	Chkd	Appd	Description

Job Title
QUAIRADING SPORTS
PRECINCT - NETBALL COURTS

Drawing Title
COVER SHEET
AND DRAWING SCHEDULE

Discipline	FIELD OF PLAY
Drawing Status	TENDER
Drawing Number	SE_12234_F000
Issue	T1

GENERAL NOTES

- THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE TECHNICAL SPECIFICATIONS (SE_12234_SPC_001_A), ALL OTHER CONTRACT DOCUMENTS AND WITH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED BY THE PRINCIPAL'S REPRESENTATIVE DURING THE COURSE OF THE CONTRACT.
- ALL LEVELS ARE EXPRESSED IN METRES TO AUSTRALIAN HEIGHT DATUM (AHD).
- ALL COORDINATES ARE TO MAP GRID AUSTRALIA, UNIDENTIFIED LOCAL SYSTEM.
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE (U.N.O.). RADII ARE EXPRESSED IN METRES U.N.O.
- ALL PLAN SET-OUT DIMENSIONS AND COORDINATES RELATE TO EDGE OF PAVEMENT OR KERB.
- SPOT LEVELS RELATE TO FINISHED SURFACE LEVEL, U.N.O.
- FINISHED SURFACE CONTOURS ARE SHOWN FOR INFORMATION ONLY AND ARE NOT TO BE USED FOR CONSTRUCTION SET-OUT PURPOSES. THE DRAWINGS ARE NOT TO BE SCALED.
- CONSTRUCTION SET OUT INFORMATION WILL BE PROVIDED IN ELECTRONIC FORMAT (I.E. .DWG AND .12DA FILE CONTAINING 3D STRINGS AND TIN PRODUCED IN 12D MODEL). WORKS SHALL BE SET OUT BY A LICENCED SURVEYOR USING THE ELECTRONIC DATA PROVIDED.
- ALL DIMENSIONS RELEVANT TO SETTING OUT SHALL BE CONFIRMED AND VERIFIED BY THE CONTRACTOR BEFORE CONSTRUCTION IS COMMENCED. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE PRINCIPAL'S REPRESENTATIVE.
- ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE RELEVANT CURRENT AUSTRALIAN STANDARDS AND LOCAL AUTHORITY REQUIREMENTS EXCEPT WHERE VARIED BY THE DRAWINGS AND SPECIFICATION.

FEATURE AND LEVEL SURVEY

- THE LOCATION OF ALL EXISTING FEATURES SHOWN ON THE DRAWING HAVE BEEN REPRODUCED FROM SURVEY(S). AS VARIATIONS MAY EXIST, COMPLETE ACCURACY CANNOT BE GUARANTEED. THE DESIGN AND DOCUMENTATION IS BASED ON THE FOLLOWING SURVEY(S):
 - FEATURE SURVEY TITLED ITCW13057 F01 R0 FOR GIS1, RECEIVED 06/09/2024, PROVIDED BY CARABINER AND QUAIRADING CITY COUNCIL.

EXISTING SERVICES

- THE LOCATIONS OF ALL EXISTING SERVICES SHOWN ON THE DRAWINGS HAVE BEEN REPRODUCED FROM SURVEY(S) AS LISTED ABOVE. AS VARIATIONS MAY EXIST COMPLETE ACCURACY CANNOT BE GUARANTEED. ALL EXISTING SERVICES LOCATIONS SHALL BE VERIFIED ON SITE BY THE CONTRACTOR BEFORE COMMENCING WORK.
- PRIOR TO ANY DEMOLITION, EXCAVATION OR CONSTRUCTION ON THE SITE THE CONTRACTOR SHALL CONTACT THE RELEVANT AUTHORITIES TO ASCERTAIN THE POSSIBLE LOCATION OF FURTHER SERVICES AND DETAILED LOCATION AND DEPTH OF ALL SERVICES AND ARRANGE FOR THEIR RELOCATION WHERE NECESSARY.
- ALL EXISTING AND PROPOSED SERVICES ARE TO BE PROTECTED DURING CONSTRUCTION U.N.O.
- ALL SUB-SURFACE UTILITY INFORMATION IS QUALITY LEVEL D IN ACCORDANCE WITH A55488.1 UNLESS SPECIFICALLY IDENTIFIED OTHERWISE.
- WHERE KNOWN, THE CLASSIFICATION OF THE SUBSURFACE UTILITY DATA IS INDICATED IN ACCORDANCE WITH A55488.1. E.G. "QL-B" OR "QUALITY LEVEL B", OR DRAWN WITHIN THE UTILITY LINESYLE --- C(a) --- C(a) ---.
- QUALITY LEVEL DESCRIPTION PER A55488.1.
 - (QL-A) = SURVEY OF EXPOSED AND VISIBLE ASSET +/- 50mm H +/- 50mm V.
 - (QL-B) = SERVICE TRACING/SUB-SURFACE DETECTION +/- 300mm H +/- 500mm V.
 - (QL-C) = SURFACE FEATURES AND DIRECT MEASUREMENT IN PITS/MANHOLES.
 - (QL-D) = INDICATIVE LOCATION (EXISTING RECORDS/ANECDOTAL EVIDENCE).
- EXISTING PIT COVERS, CHAMBERS, VALVE BOXES, AND GROUND-LEVEL SERVICE INFRASTRUCTURE ARE TO BE RAISED OR LOWERED TO SUIT THE PROPOSED FINISHED SURFACE LEVELS. THE CONTRACTOR IS TO ASSESS THE SUITABILITY OF THE EXISTING INFRASTRUCTURE FOR MODIFICATION AND ALLOW FOR REPLACEMENT AS NECESSARY.

GEOTECHNICAL INVESTIGATION

- PRIOR TO UNDERTAKING ANY EXCAVATION WORKS ON SITE, THE CONTRACTOR IS TO REVIEW THE SITE GEOTECHNICAL REPORT(S) TO UNDERSTAND THE COMPOSITION OF EXISTING MATERIAL, ASSOCIATED CONSTRUCTION RISK, AND RECOMMENDED METHODOLOGY. THE FOLLOWING GEOTECHNICAL REPORT(S) ARE AVAILABLE:
 - GEOTECHNICAL INVESTIGATION NETBALL COURTS & LIGHT POLES, QUAIRADING SPORTS PRECINCT (G1297824PG_REV0), REV0, DATED 30/09/2024, BY PERTH GEOTECHNICS

BULK EARTHWORKS

- ALL EXCAVATION INCLUDING CONSTRUCTION OF TEMPORARY CONSTRUCTION BATTERS SHALL COMPLY WITH THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT.
- THE CONTRACTOR IS REQUIRED TO PREVENT SILT OR ANY TRANSPORTABLE SOLIDS FROM THE SITE ENTERING THE LOCAL DRAINAGE NETWORK, INCLUDING NEARBY WATERWAYS, BY MEANS OF TEMPORARY SILT INTERCEPTION PITS AND SCREENS.
- THE CONTRACTOR SHALL ENSURE THAT ALL WORK SITES ARE MAINTAINED IN A SAFE AND STABLE CONDITION AND THAT ALL PARTS ARE WELL DRAINED AT ALL TIMES. DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A TEMPORARY SITE DRAINAGE SYSTEM TO THE APPROVAL OF THE PRINCIPAL'S REPRESENTATIVE.
- SUPERVISION AND TESTING OF BULK EARTHWORKS SHALL BE IN ACCORDANCE WITH SECTION 600 OF THE TECHNICAL SPECIFICATION.
- BULK EARTHWORKS, BUILDING, AND FIELD OF PLAY WORKS AREAS SHALL BE CLEARED AND STRIPPED OF TOPSOIL/ORGANIC MATERIAL IN ACCORDANCE WITH SECTION 600 OF THE TECHNICAL SPECIFICATION.
- MATERIALS AND PLACEMENT OF MATERIALS SHALL BE IN ACCORDANCE WITH SECTION 600 OF THE TECHNICAL SPECIFICATION.
- SUBGRADE PREPARATION SHALL BE IN ACCORDANCE WITH SECTION 600 OF THE TECHNICAL SPECIFICATION.
- BAD GROUND (E.G. SOFT, WET, UNSUITABLE MATERIAL, ETC.) SHALL BE REMOVED AND REPLACED OR TREATED IN-SITU IN ACCORDANCE WITH SECTION 600 OF THE TECHNICAL SPECIFICATION.
- SURFACES UPON WHICH FILL IS TO BE PLACED, PLACED FILL LAYERS, AND SUBGRADES SHALL BE COMPACTED, MOISTURE CONDITIONED, AND PROOF ROLLED IN ACCORDANCE WITH SECTION 600 OF THE TECHNICAL SPECIFICATION.
- ALL EARTHWORKS SURFACES SHALL BE VERIFIED BY SURVEY IN ACCORDANCE WITH SECTION 600 OF THE TECHNICAL SPECIFICATION.

PAVEMENTS GENERAL

- PAVEMENT TYPES VARY THROUGHOUT THE SITE. REFER TO PAVEMENT LAYOUT PLAN FOR EXTENTS OF EACH PAVEMENT TYPE.
- ALL UNDERGROUND SERVICES ARE TO BE LAID PRIOR TO FINAL SEALING OF PAVEMENTS.
- KERB PROFILES TO BE IN ACCORDANCE WITH THE STANDARD DRAWINGS OF THE LOCAL COUNCIL, U.N.O.
- ASPHALT BINDER TO BE CLASS 320 U.N.O.

CONCRETE PAVEMENTS

- REINFORCED CONCRETE PAVEMENTS TO BE CONSTRUCTED WITH JOINTS TO THE FOLLOWING TYPICAL SPACING U.N.O.
CONCRETE PAVEMENT THICKNESS LESS THAN 150mm:
 - SAW-CUT (CONTRACTION JOINT): 2 METRES
 - EXPANSION JOINT (DOWELLED): 12 METRES
- CONCRETE PAVEMENT THICKNESS 150mm OR GREATER:
 - SAW-CUT (CONTRACTION JOINT): 4 METRES
 - EXPANSION JOINT (DOWELLED): 16 METRES
- ISOLATION JOINTS TO BE INSTALLED AT ALL INTERFACES ABUTTING STRUCTURES.
- ALL PAVEMENT SLABS TO HAVE CONTINUOUS PERIMETER REINFORCING BAR IN LINE WITH PERIMETER OF REINFORCING MESH.
- TRIMMER BARS (1.0m LONG, N12 DEFORMED BAR) TO BE PLACED AT ALL RE-ENTRANT CORNERS AND AT ALL CORNERS OF PENETRATIONS GREATER THAN 300mm.
- DOWELS TO BE INSTALLED BETWEEN CONCRETE FOOTPATH AND FIELD EDGE STRIP AT ALL GATE ENTRANCES.

CONCRETE AND REINFORCEMENT

- ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH SECTION 1500 OF THE TECHNICAL SPECIFICATION.
- REINFORCEMENT IS REPRESENTED DIAGRAMMATICALLY AND NOT NECESSARILY SHOWN IN TRUE PROJECTION.
- ALL FABRIC LAPS SHALL BE FULL STRENGTH TO CURRENT AUSTRALIAN STANDARDS.
- WELDING OF REINFORCEMENT IS NOT PERMITTED WITHOUT THE APPROVAL OF THE PRINCIPAL'S REPRESENTATIVE.
- ALL REINFORCEMENT SHALL BE SECURELY SUPPORTED IN ITS CORRECT POSITION DURING CONCRETING BY APPROVED BAR-CHAIR, SPACERS OR SUPPORT BARS. FORMWORK SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE SPECIFICATION.
- CONCRETE STRENGTH SHALL BE IN ACCORDANCE WITH THE SPECIFICATION.
- DETAILS OF CONCRETE MIX, AGGREGATE SIZE AND COLOUR, METHOD OF CURING AND FINISH ARE TO BE SUBMITTED FOR APPROVAL.

STORMWATER DRAINAGE

- PRIOR TO CONSTRUCTION, CONTRACTOR SHALL VERIFY INVERT LEVEL AND SIZE OF EXISTING DRAINAGE INFRASTRUCTURE AT ALL POINTS OF CONNECTION WITH PROPOSED DRAINAGE. REPORT DISCREPANCIES TO THE PRINCIPAL'S REPRESENTATIVE AND HOLD RELATED WORKS UNTIL FURTHER INSTRUCTION.
- PRIOR TO CONSTRUCTION, CONTRACTOR SHALL ASSESS ALL PROPOSED DRAINAGE CROSSINGS WITH EXISTING UNDERGROUND SERVICES. REPORT DISCREPANCIES TO THE PRINCIPAL'S REPRESENTATIVE AND HOLD RELATED WORKS UNTIL FURTHER INSTRUCTION.
- STORMWATER DRAINAGE TO BE CONSTRUCTED IN ACCORDANCE WITH SECTIONS 900 AND 910 OF THE TECHNICAL SPECIFICATION.
- COVERS, FRAMES AND GRATES SHALL BE MINIMUM CLASS B IN NON-TRAFFICABLE AREAS OR CLASS D IN TRAFFICABLE AREAS, U.N.O.
- PIPES SHALL BE RCP CLASS 2, PP (SN8), OR PVC-U (SN8) U.N.O.
- PIPES ϕ 225mm AND GREATER TO BE CONSTRUCTED WITH MIN. 600mm COVER AND 1 IN 200 MIN. GRADE U.N.O.
- PIPES ϕ 150mm AND SMALLER TO BE CONSTRUCTED WITH MIN. 600mm COVER AND 1 IN 100 MIN. GRADE U.N.O.
- ALL DRAINAGE SHALL BE ADEQUATELY PROTECTED FROM CONSTRUCTION TRAFFIC.
- EXISTING PIT FRAMES, COVERS AND GRATES TO BE MODIFIED TO SUIT THE PROPOSED FINISHED SURFACE LEVELS AND GRADES. THE CONTRACTOR IS TO ASSESS THE SUITABILITY OF EXISTING STRUCTURES FOR RE-USE AND ALLOW FOR REPLACEMENT AS NECESSARY.
- ALL EXISTING PITS WITHIN EXTENT OF WORKS SHALL HAVE THEIR COVERS OR GRATES ASSESSED FOR LOAD ADEQUACY AND CONDITION AND REPLACED WHERE REQUIRED.
- ALL EXISTING PITS REQUIRING ADJUSTMENT OR CONNECTION SHALL BE BENCHED WITH CONCRETE TO SMOOTHLY TRANSITION BETWEEN INLET(S) AND OUTLET(S).
- ALL EXISTING REMAINING DRAINAGE SHALL BE CHECKED FOR LEVEL, SIZE, AND LOCATION AND CONNECTED TO THE NEW DRAINAGE SYSTEM.

NOT FOR CONSTRUCTION

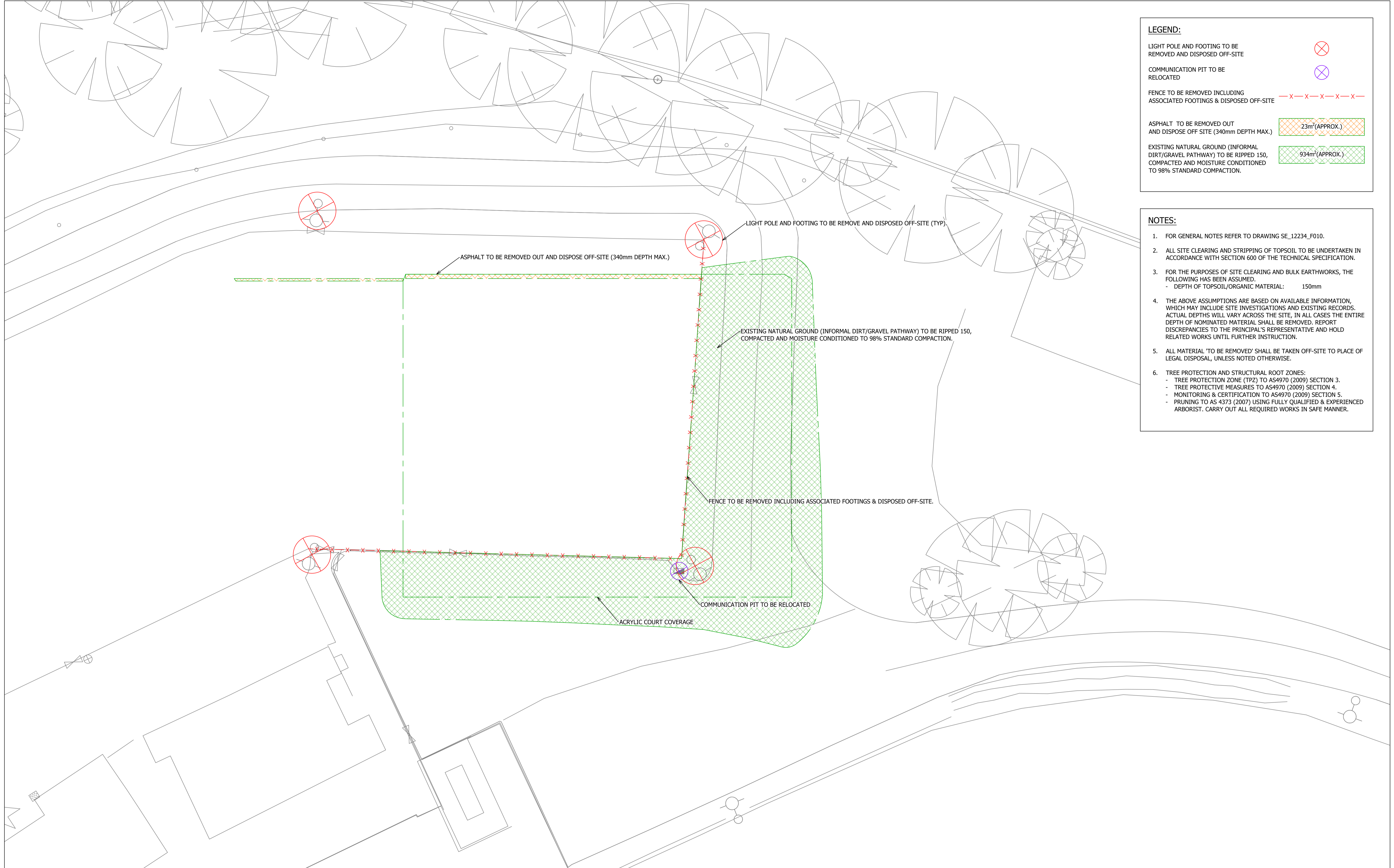


T1 15/11/24 RKC BWL ARM TENDER ISSUE
Issue | Date | By | Chkd | Appd | Description

Job Title
QUAIRADING SPORTS
PRECINCT - NETBALL COURTS

Drawing Title
GENERAL NOTES

Discipline
FIELD OF PLAY
Drawing Status
TENDER
Drawing Number
SE_12234_F010
Issue
T1



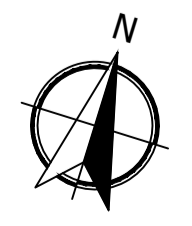
LEGEND:

- LIGHT POLE AND FOOTING TO BE REMOVED AND DISPOSED OFF-SITE
- COMMUNICATION PIT TO BE RELOCATED
- FENCE TO BE REMOVED INCLUDING ASSOCIATED FOOTINGS & DISPOSED OFF-SITE
- ASPHALT TO BE REMOVED OUT AND DISPOSED OFF SITE (340mm DEPTH MAX.)
- EXISTING NATURAL GROUND (INFORMAL DIRT/GRAVEL PATHWAY) TO BE RIPPED 150, COMPACTED AND MOISTURE CONDITIONED TO 98% STANDARD COMPACTION.

- NOTES:**
1. FOR GENERAL NOTES REFER TO DRAWING SE_12234_F010.
 2. ALL SITE CLEARING AND STRIPPING OF TOPSOIL TO BE UNDERTAKEN IN ACCORDANCE WITH SECTION 600 OF THE TECHNICAL SPECIFICATION.
 3. FOR THE PURPOSES OF SITE CLEARING AND BULK EARTHWORKS, THE FOLLOWING HAS BEEN ASSUMED.
 - DEPTH OF TOPSOIL/ORGANIC MATERIAL: 150mm
 4. THE ABOVE ASSUMPTIONS ARE BASED ON AVAILABLE INFORMATION, WHICH MAY INCLUDE SITE INVESTIGATIONS AND EXISTING RECORDS. ACTUAL DEPTHS WILL VARY ACROSS THE SITE, IN ALL CASES THE ENTIRE DEPTH OF NOMINATED MATERIAL SHALL BE REMOVED. REPORT DISCREPANCIES TO THE PRINCIPAL'S REPRESENTATIVE AND HOLD RELATED WORKS UNTIL FURTHER INSTRUCTION.
 5. ALL MATERIAL 'TO BE REMOVED' SHALL BE TAKEN OFF-SITE TO PLACE OF LEGAL DISPOSAL, UNLESS NOTED OTHERWISE.
 6. TREE PROTECTION AND STRUCTURAL ROOT ZONES:
 - TREE PROTECTION ZONE (TPZ) TO AS4970 (2009) SECTION 3.
 - TREE PROTECTIVE MEASURES TO AS4970 (2009) SECTION 4.
 - MONITORING & CERTIFICATION TO AS4970 (2009) SECTION 5.
 - PRUNING TO AS 4373 (2007) USING FULLY QUALIFIED & EXPERIENCED ARBORIST. CARRY OUT ALL REQUIRED WORKS IN SAFE MANNER.

WARNING
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Issue	Date	By	Chkd	Appd	Description
T1	15/11/24	RKC	BWL	ARM	TENDER ISSUE

Job Title
QUAIRADING SPORTS PRECINCT - NETBALL COURTS

Drawing Title
SITE CLEARING LAYOUT PLAN

0 1m 5m 10m

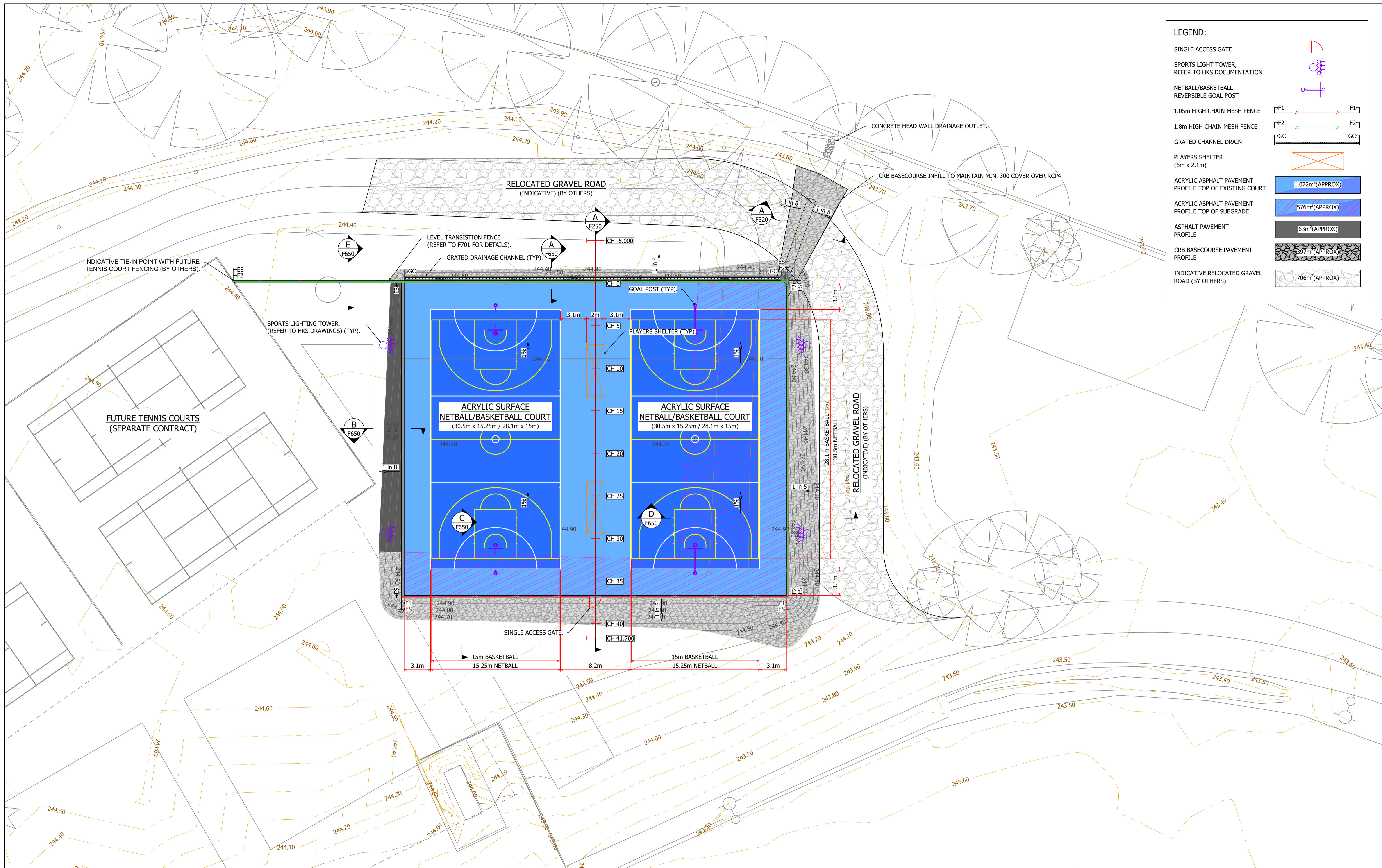
SCALE 1:200 @ A1

Discipline
FIELD OF PLAY

Drawing Status
TENDER

Drawing Number
SE_12234_F100

Issue
T1



LEGEND:

SINGLE ACCESS GATE	
SPORTS LIGHT TOWER, REFER TO HKS DOCUMENTATION	
NETBALL/BASKETBALL REVERSIBLE GOAL POST	
1.05m HIGH CHAIN MESH FENCE	+F1 --- F1+
1.8m HIGH CHAIN MESH FENCE	+F2 --- F2+
GRATED CHANNEL DRAIN	+GC --- GC+
PLAYERS SHELTER (6m x 2.1m)	
ACRYLIC ASPHALT PAVEMENT PROFILE TOP OF EXISTING COURT	1,072m ² (APPROX)
ACRYLIC ASPHALT PAVEMENT PROFILE TOP OF SUBGRADE	576m ² (APPROX)
ASPHALT PAVEMENT PROFILE	63m ² (APPROX)
CRB BASECOURSE PAVEMENT PROFILE	397m ² (APPROX)
INDICATIVE RELOCATED GRAVEL ROAD (BY OTHERS)	706m ² (APPROX)

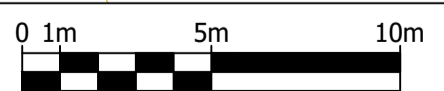
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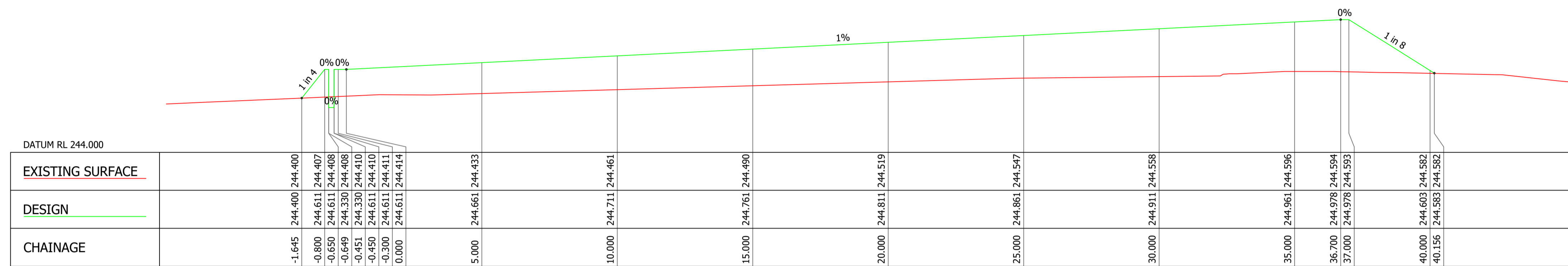


T1	15/11/24	RKC	BWL	ARM	TENDER ISSUE
Issue	Date	By	Chkd	Appd	Description

Job Title
QUAIRADING SPORTS PRECINCT - NETBALL COURTS
 Discipline
FIELD OF PLAY
 Drawing Title
GENERAL ARRANGEMENT AND PAVEMENT LAYOUT PLAN



SCALE 1:200 @ A1
Discipline
FIELD OF PLAY
Drawing Status
TENDER
Drawing Number
SE_12234_F200
Issue
T1



DATUM RL 244.000

HORIZONTAL SCALE 1:100
VERTICAL SCALE 1:20

SECTION A
F200

NOT FOR CONSTRUCTION



T1	15/11/24	RKC	BWL	ARM	TENDER ISSUE
Issue	Date	By	Chkd	Appd	Description

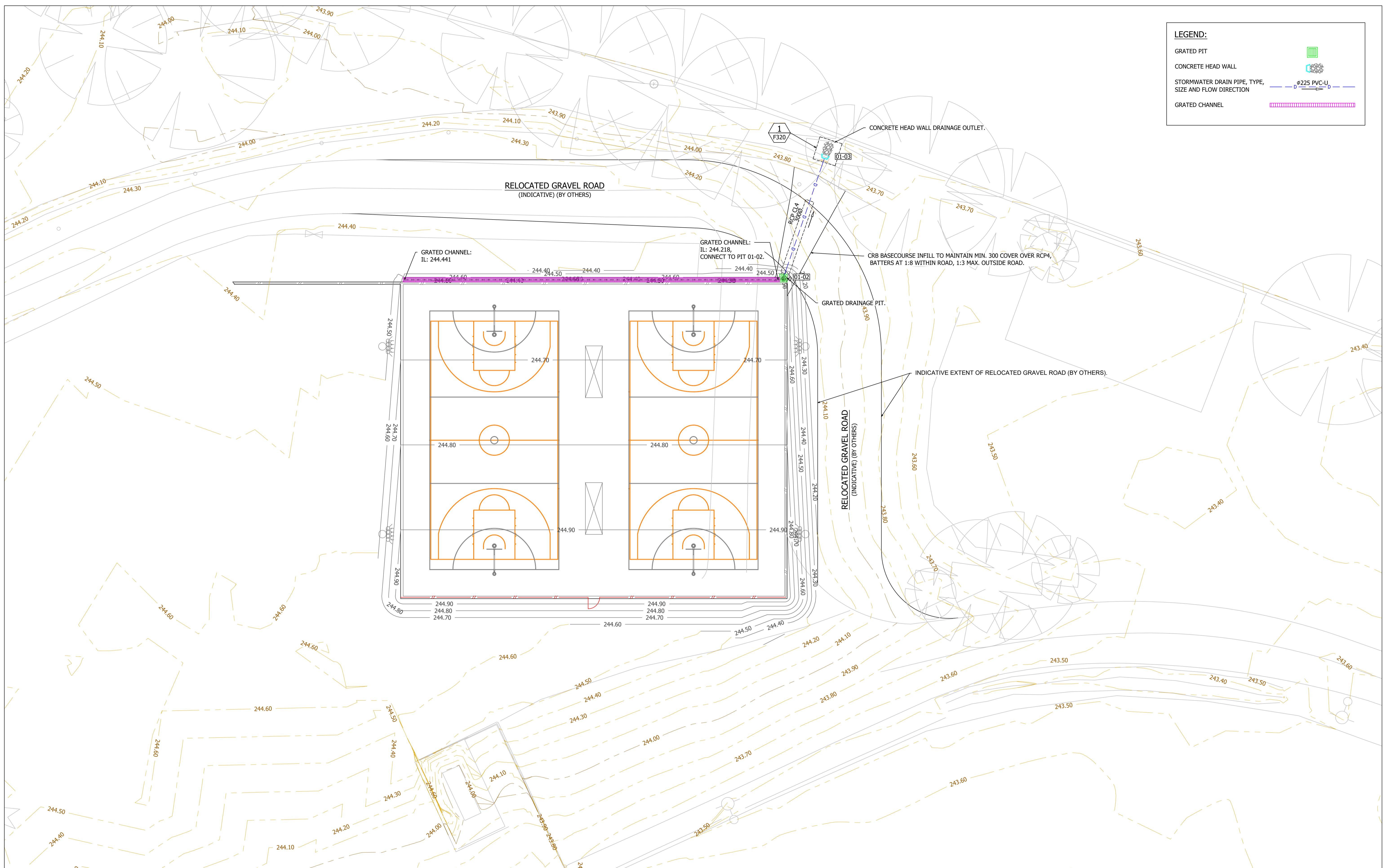
Job Title
QUAIRADING SPORTS
PRECINCT - NETBALL COURTS

Drawing Title
SITE SECTIONS

Discipline	FIELD OF PLAY
Drawing Status	TENDER
Drawing Number	SE_12234_F250
Issue	T1

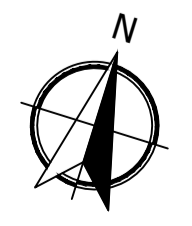
LEGEND:

- GRATED PIT
- CONCRETE HEAD WALL
- STORMWATER DRAIN PIPE, TYPE, SIZE AND FLOW DIRECTION
- GRATED CHANNEL



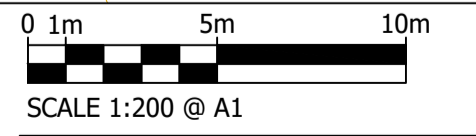
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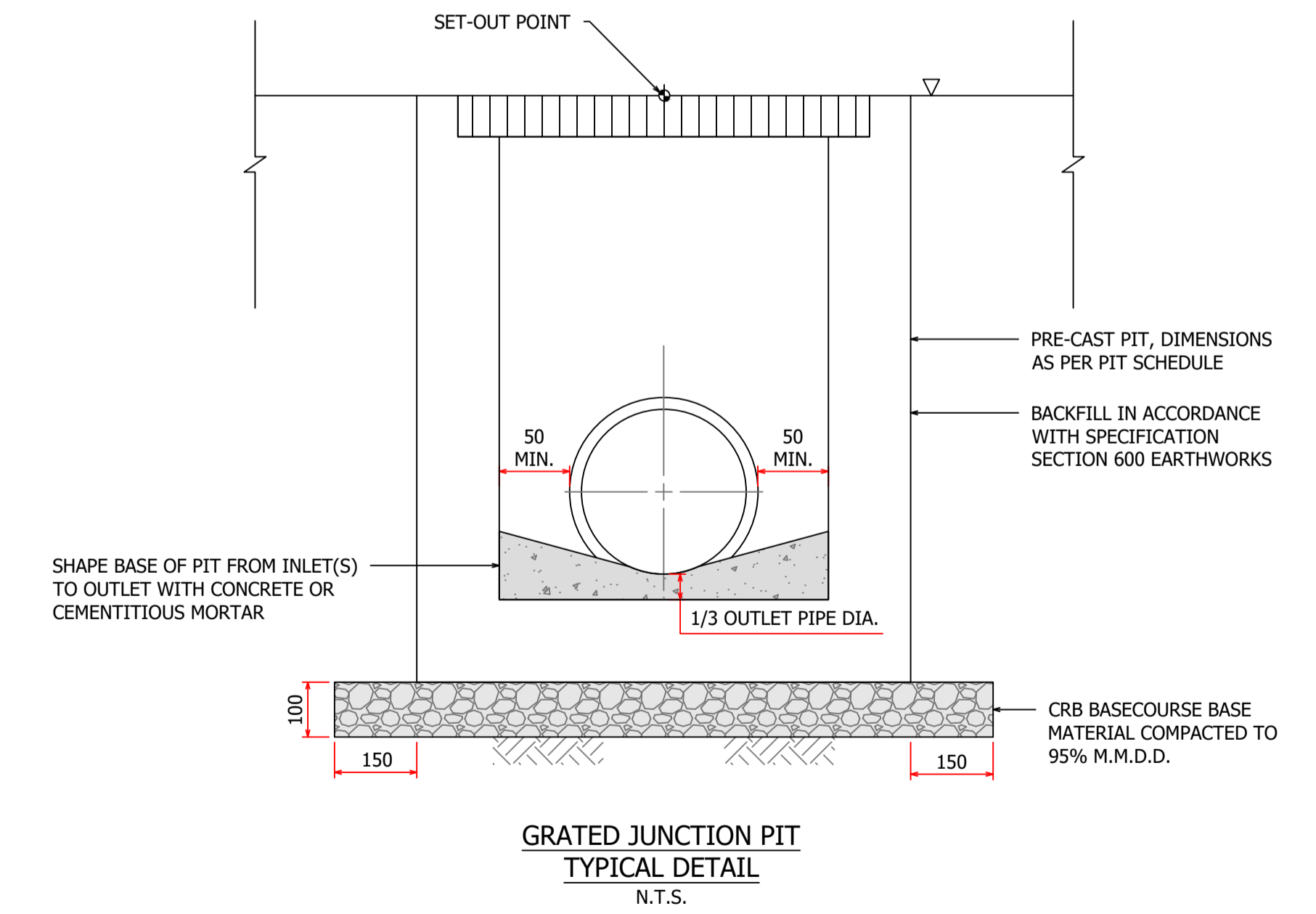
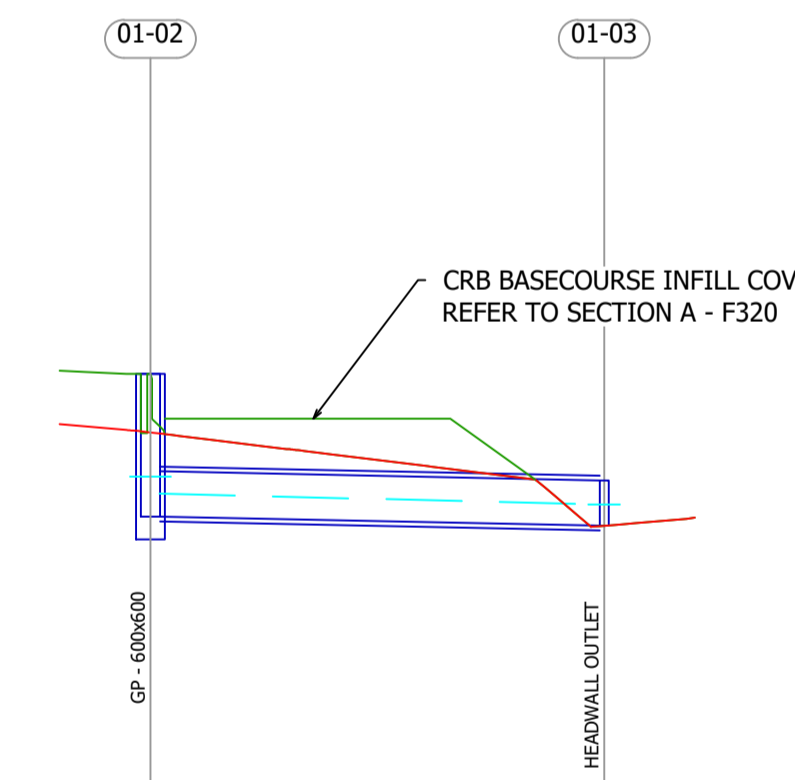
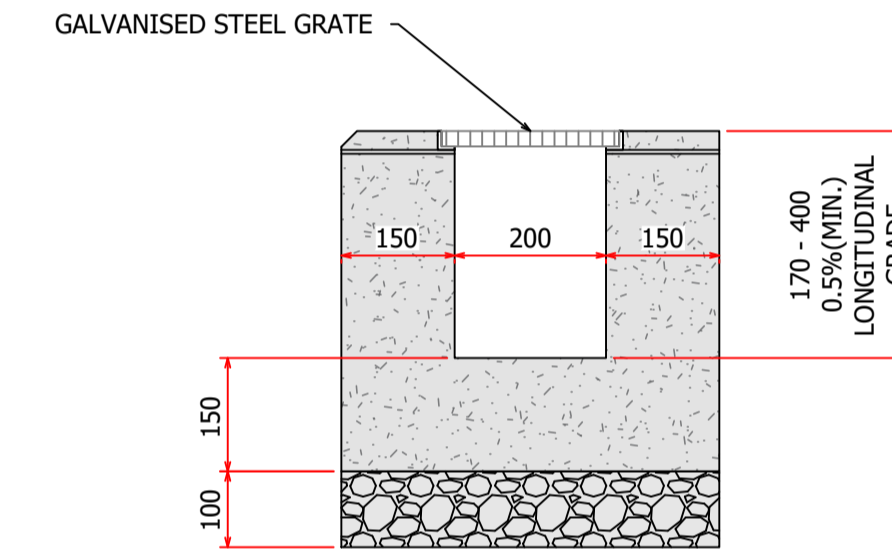
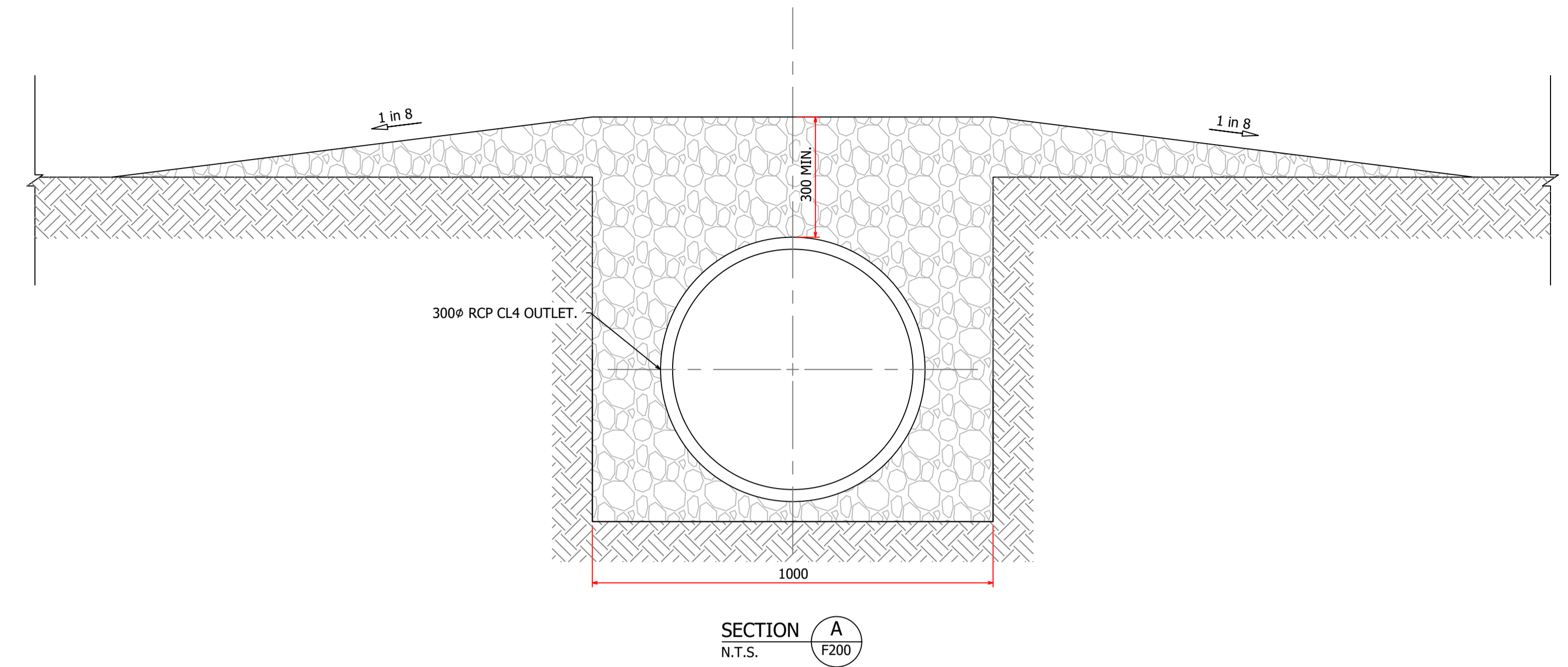
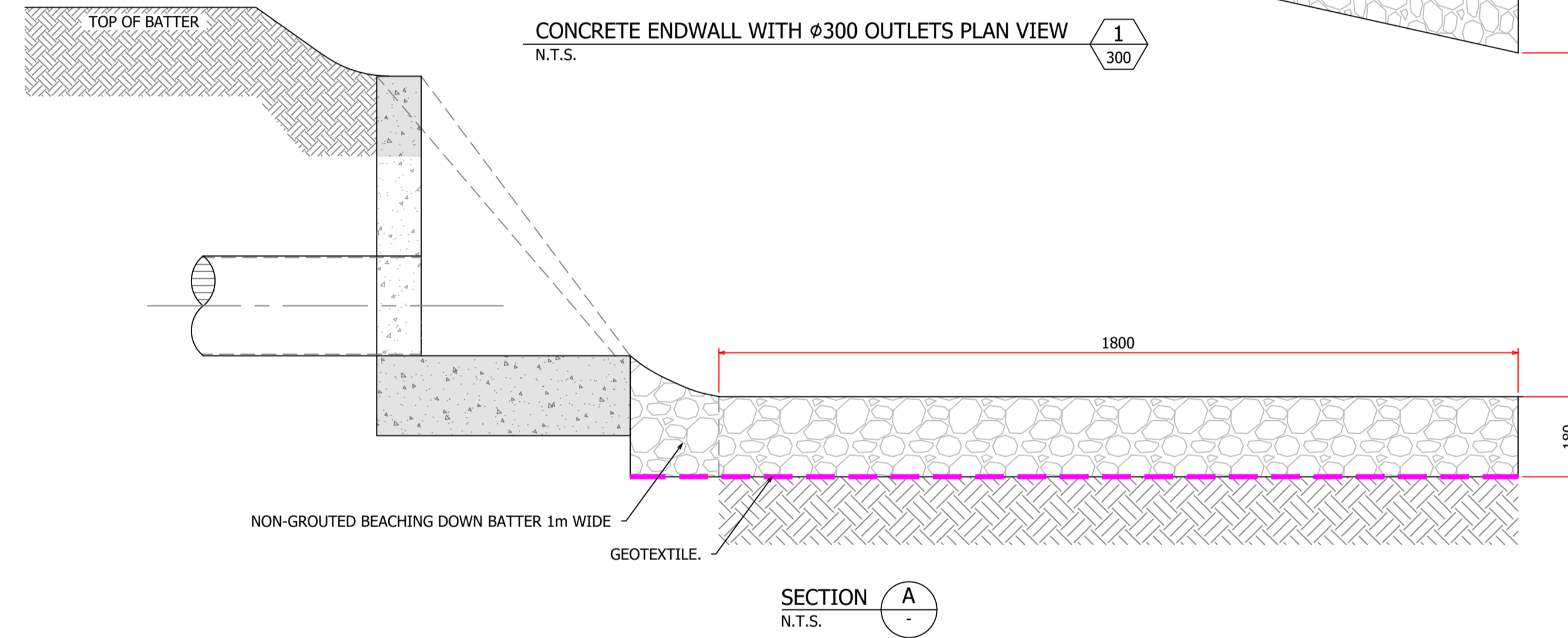
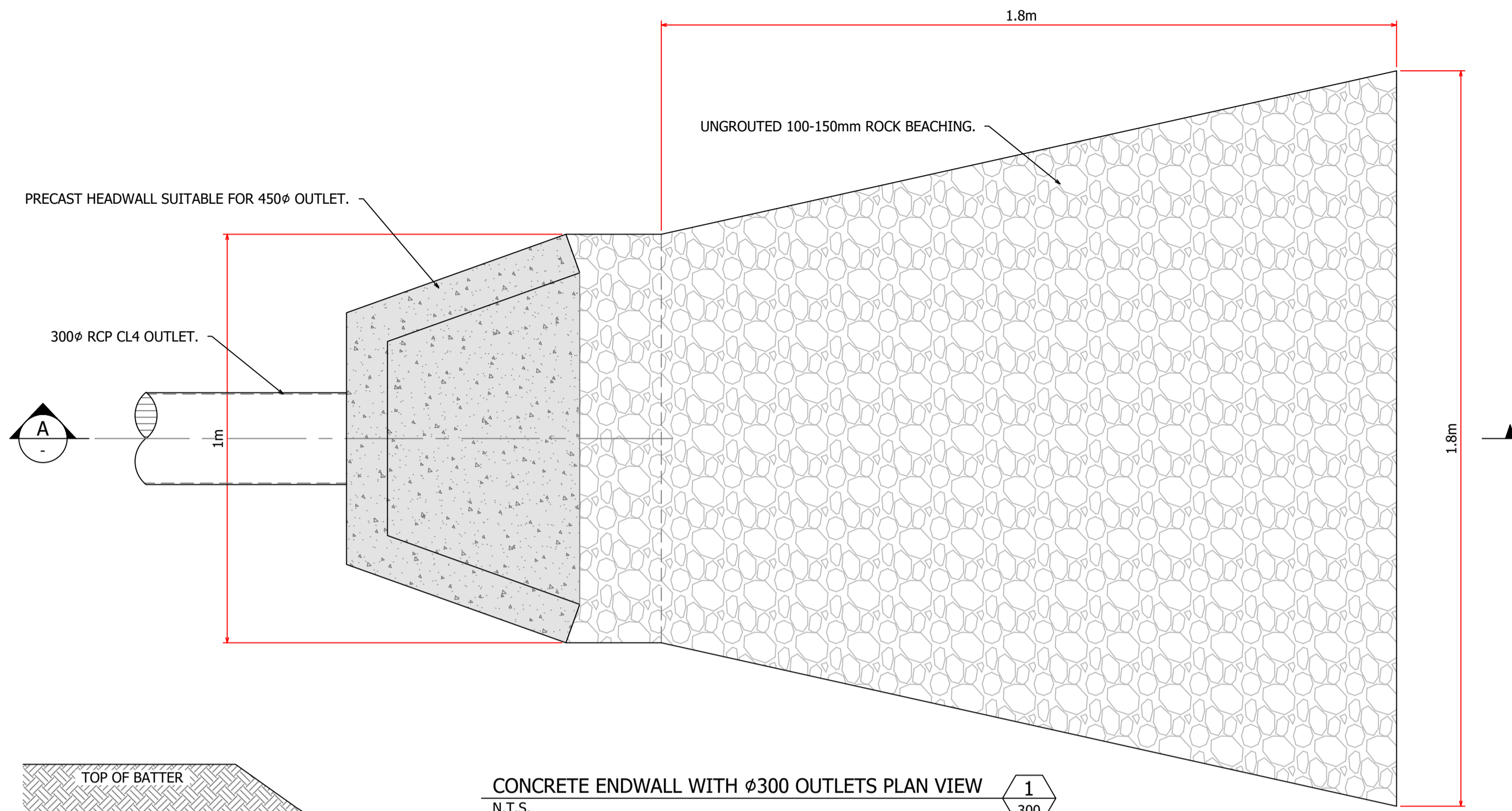


Issue	Date	By	Chkd	Appd	Description
T1	15/11/24	RKC	BWL	ARM	TENDER ISSUE

Job Title
**QUAIRADING SPORTS
 PRECINCT - NETBALL COURTS**
 Discipline
FIELD OF PLAY
 Drawing Title
**STORMWATER DRAINAGE
 LAYOUT PLAN**



Drawing Status	TENDER
Drawing Number	SE_12234_F300
Issue	T1



DIAMETER (mm)	ϕ 300
PIPE TYPE	RCP CL4
PIPE GRADE (%)	0.40%
PIPE GRADE	1 in 250
DATUM R.L.	240.000
DEPTH TO INVERT	0.945
DESIGN INVERT LEVEL	243.606
FINISHED SURFACE LEVEL	244.611
LENGTH/CHAINAGE	0.000

PIT NO.	PIT TYPE	LENGTH	WIDTH	DEPTH	INVERT RL	PIT COVER RL	FSL	EASTING	NORTHING	COVER TYPE	COVER CLASS	REMARKS
		m	m	m								
01-02	GP - 600x600	0.6	0.6	0.945	243.666	244.611	244.611	538316.872	6458410.985	GRATED	B	
01-03	HEADWALL OUTLET	0.3	1.2	0.3	243.606	243.906	243.606	538316.601	6458425.989	N/A	N/A	

LEGEND

GP	GRATED PIT
JP	JUNCTION PIT
SGP	SPOON DRAIN GRATED PIT
PC	PIPE TO PIPE CONNECTION
N/A	NOT APPLICABLE
OAE	OR APPROVED EQUIVALENT
FSL	FINISH SURFACE LEVEL
IL	INVERT LEVEL

NOTES

- PIT DEPTH IS THE MEASUREMENT BETWEEN THE PIT COVER RL AND THE INVERT LEVEL OF THE PIT
- FOR PIT SETOUT DETAILS REFER TO STORMWATER DETAILS DRAWING
- CONTRACTOR TO CONFIRM ALL CONNECTIONS INTO EXISTING DRAINAGE PRIOR TO COMMENCEMENT OF DRAINAGE INSTALLATION TO ENSURE:
 - INVERT RL MATCHES THAT SHOWN ON THE DRAWINGS
 - DOWNSTREAM OUTLET SIZE MATCHES THAT SHOWN ON THE DRAWINGS
 - DOWNSTREAM OUTLETS ARE FREE FROM BLOCKAGE AND FREE-FLOWING.

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T1 15/11/24 RKC BWL ARM TENDER ISSUE
Issue | Date | By | Chkd | Appd | Description

Job Title
QUAIRADING SPORTS
PRECINCT - NETBALL COURTS

Drawing Title
STORMWATER DRAINAGE
DETAILS, PIT SCHEDULE
AND LONG SECTION

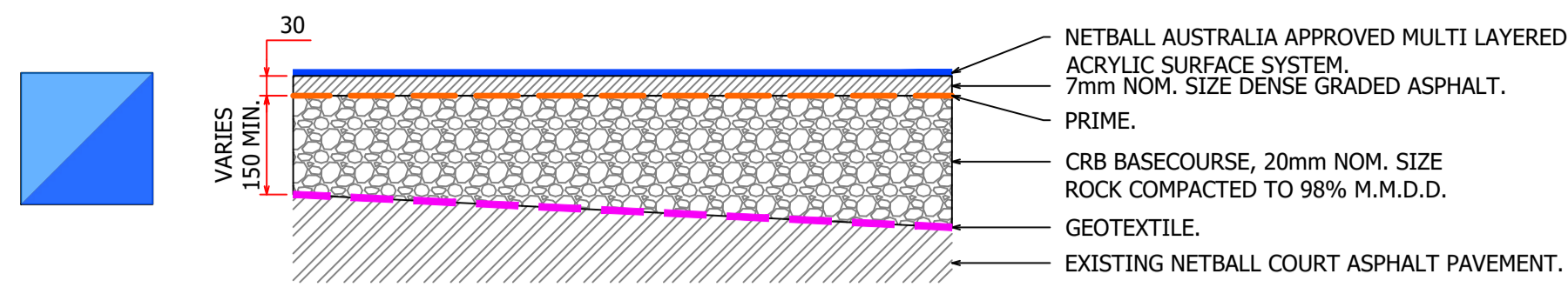
N.T.S.

Discipline
FIELD OF PLAY

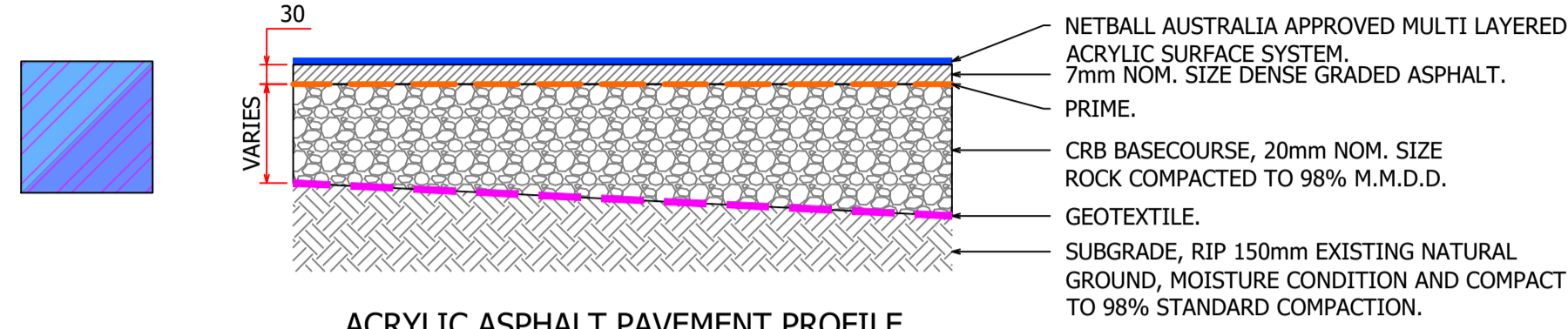
Drawing Status
TENDER

Drawing Number
SE_12234_F320

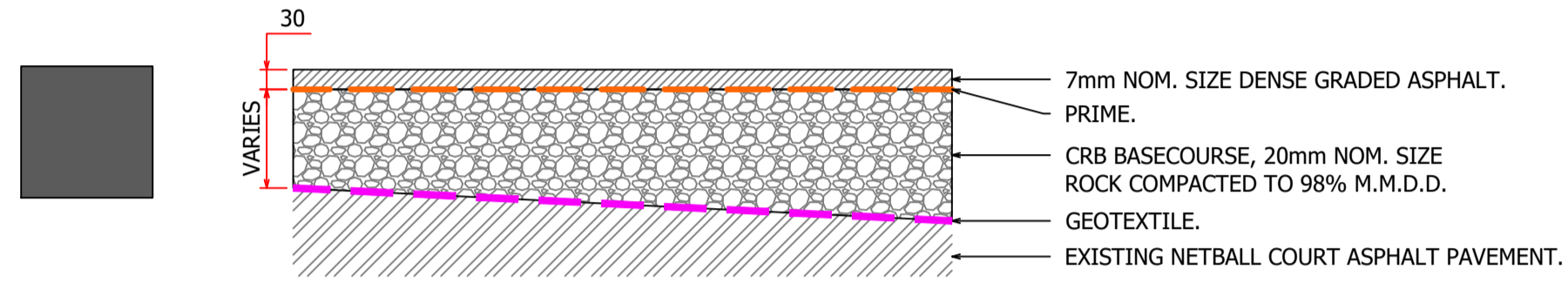
Issue
T1



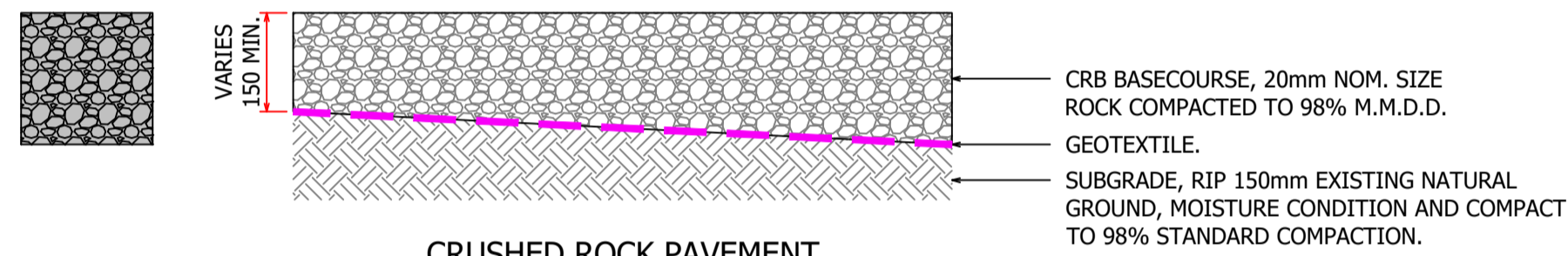
ACRYLIC ASPHALT PAVEMENT PROFILE
TOP OF EXISTING COURT
N.T.S.



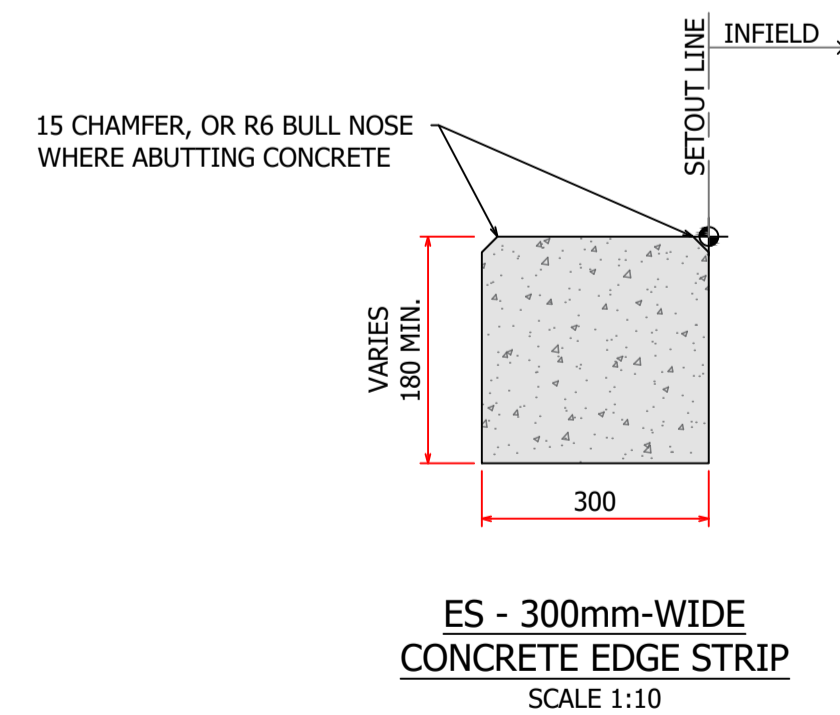
ACRYLIC ASPHALT PAVEMENT PROFILE
TOP OF SUBGRADE
N.T.S.



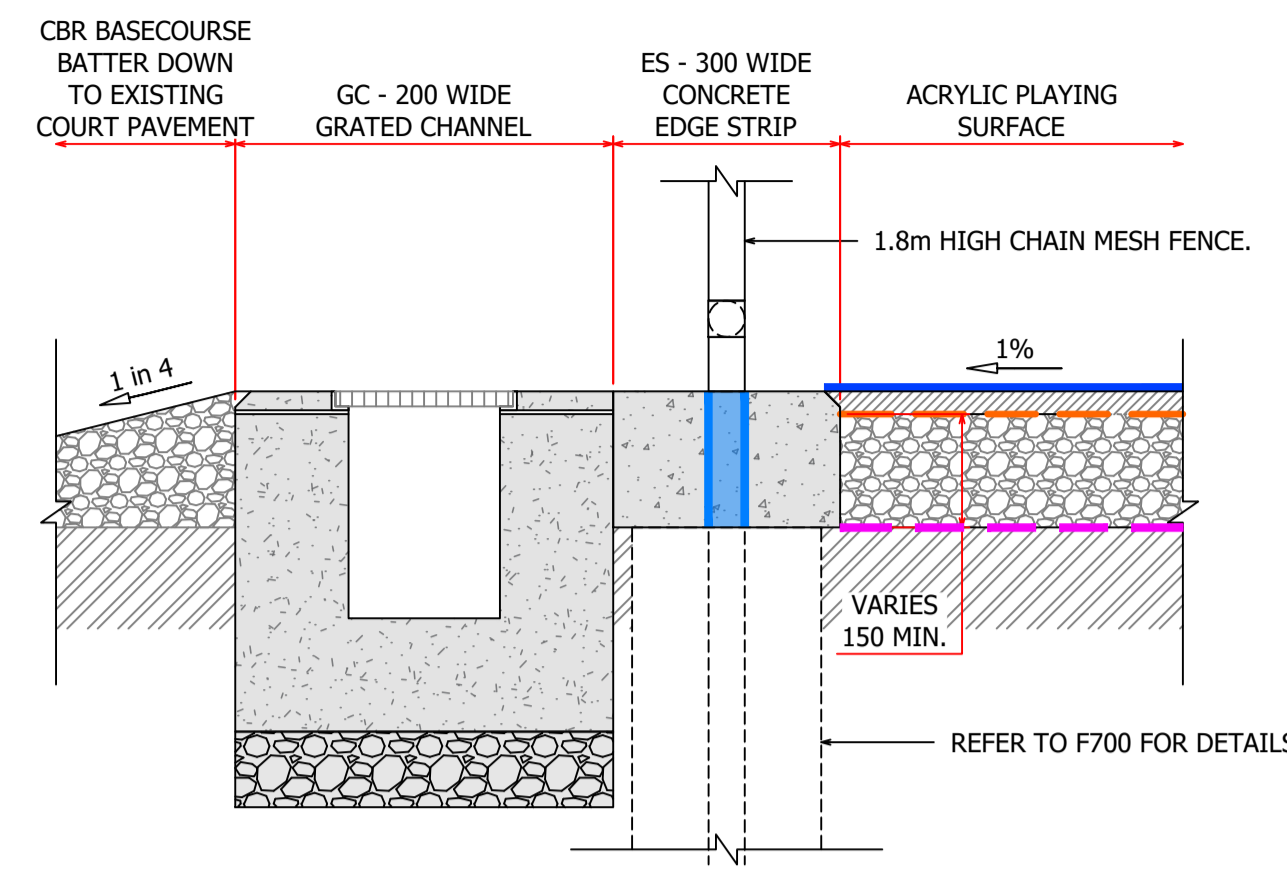
ASPHALT PAVEMENT
PROFILE
N.T.S.



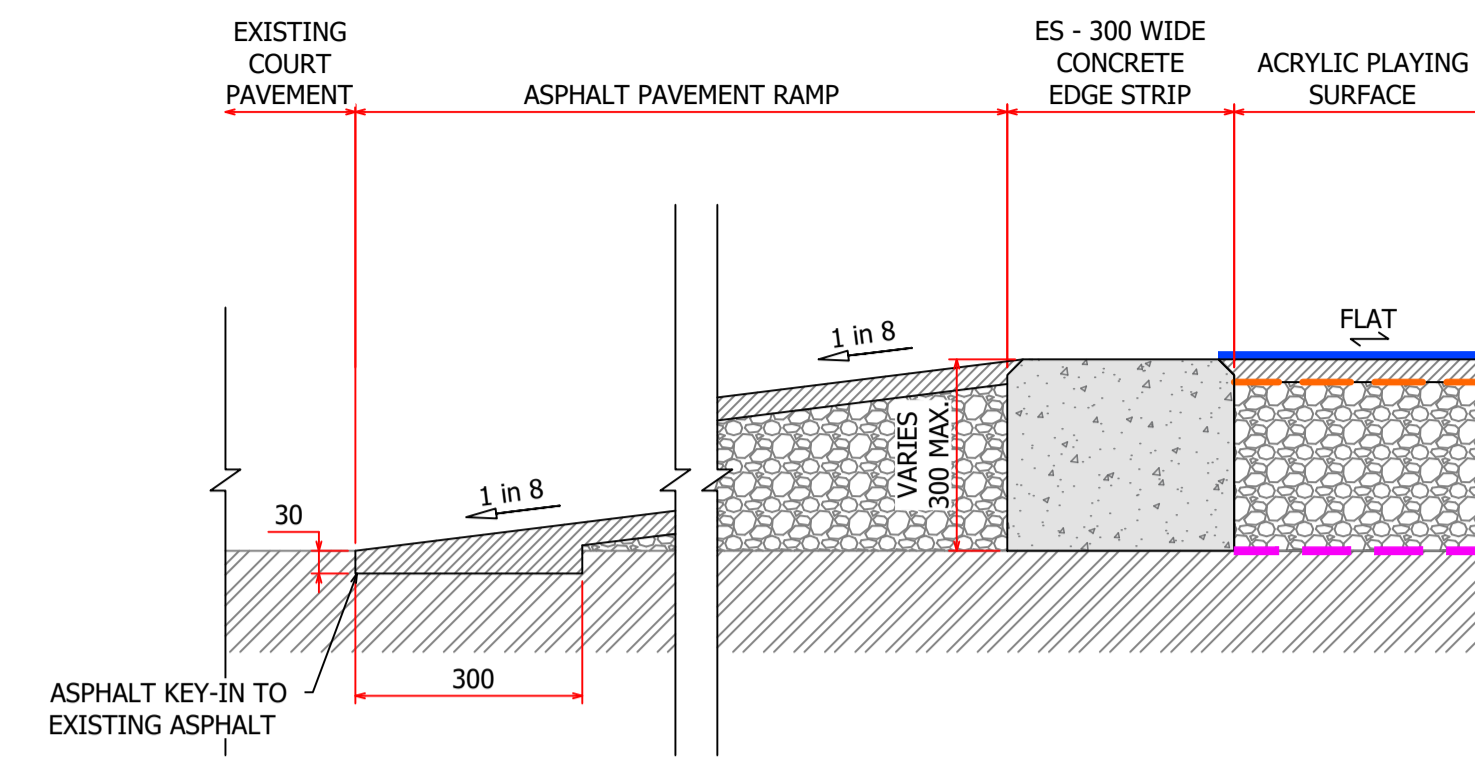
CRUSHED ROCK PAVEMENT
PROFILE
N.T.S.



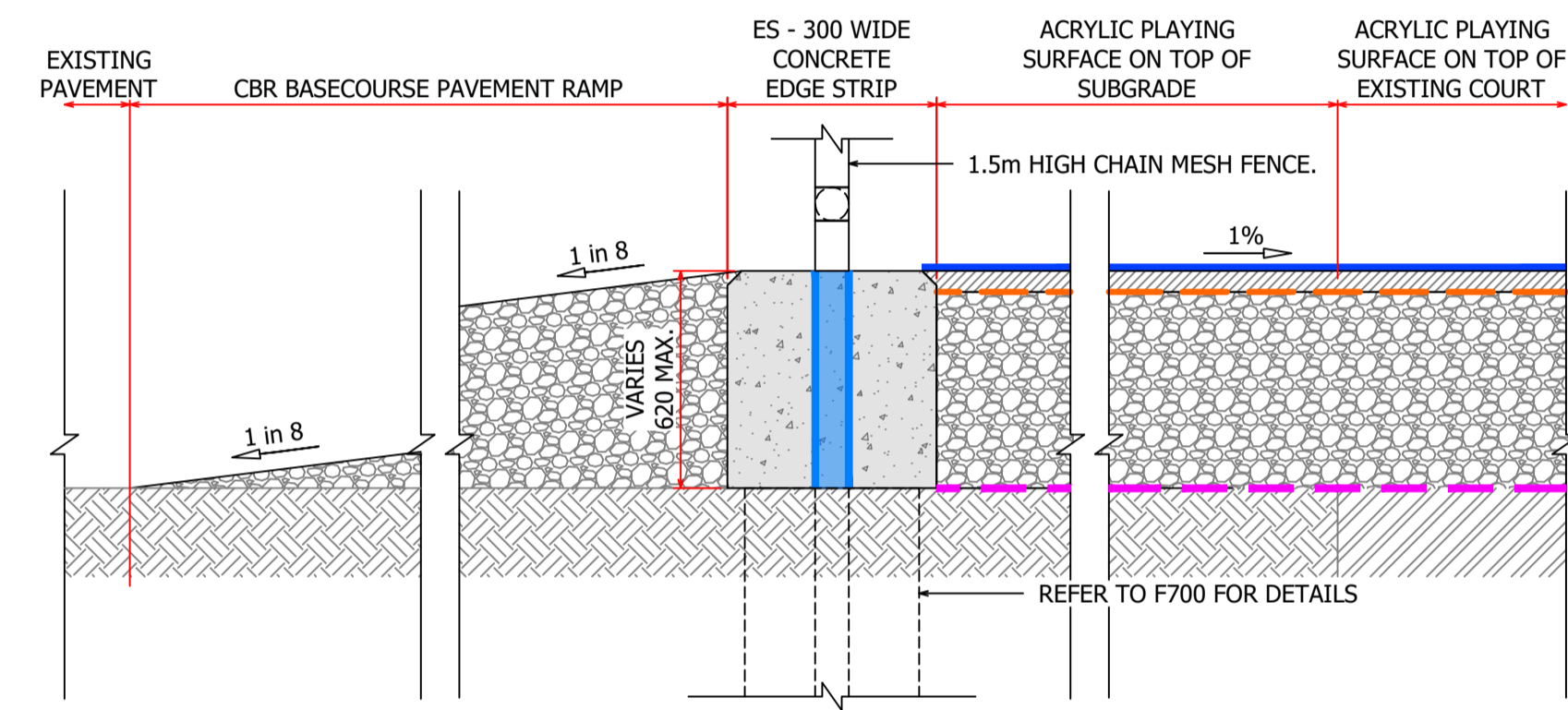
ES - 300mm-WIDE
CONCRETE EDGE STRIP
SCALE 1:10



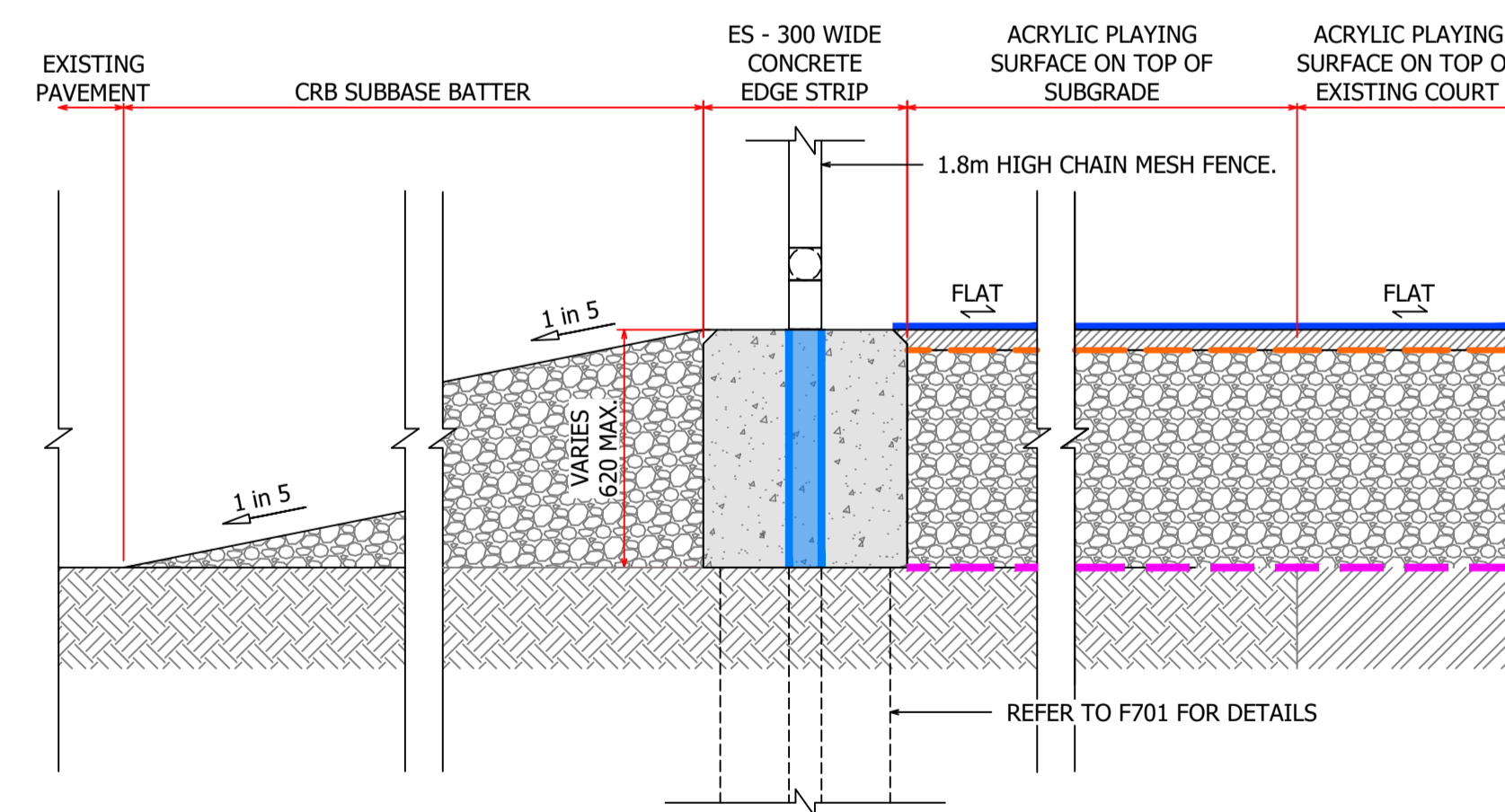
SECTION A
F200



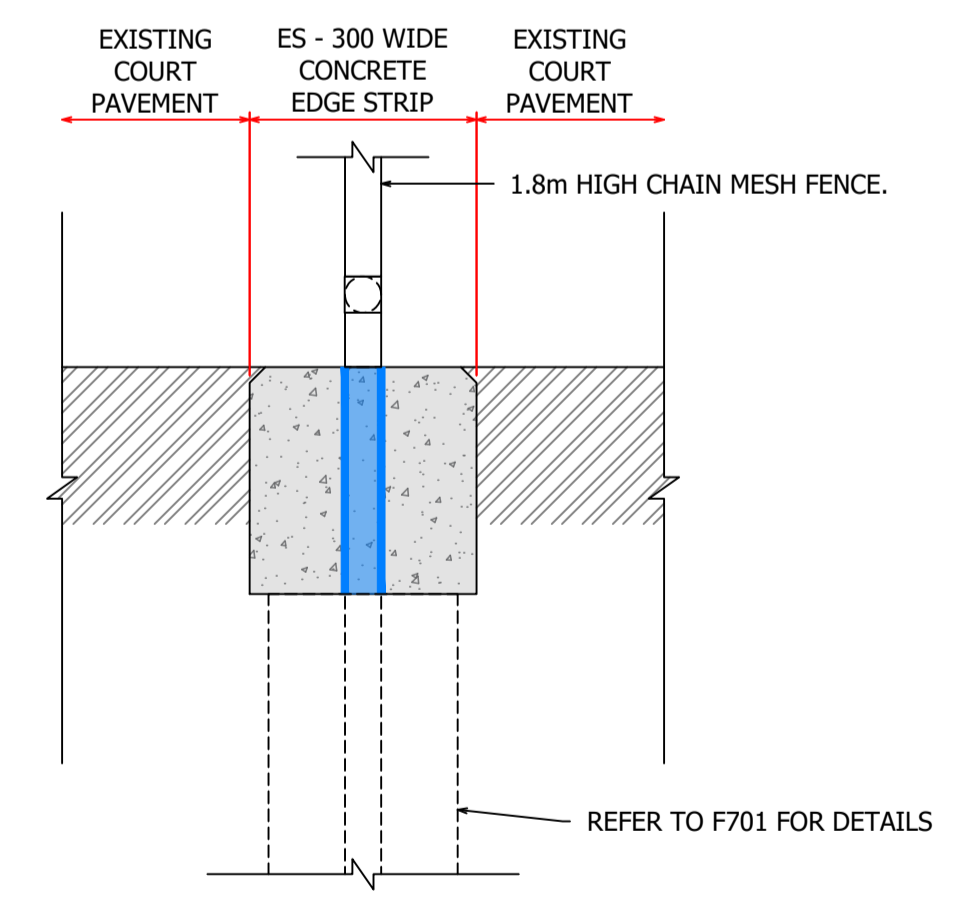
SECTION B
F200



SECTION C
F200



SECTION D
F200



SECTION E
F200

NOT FOR CONSTRUCTION



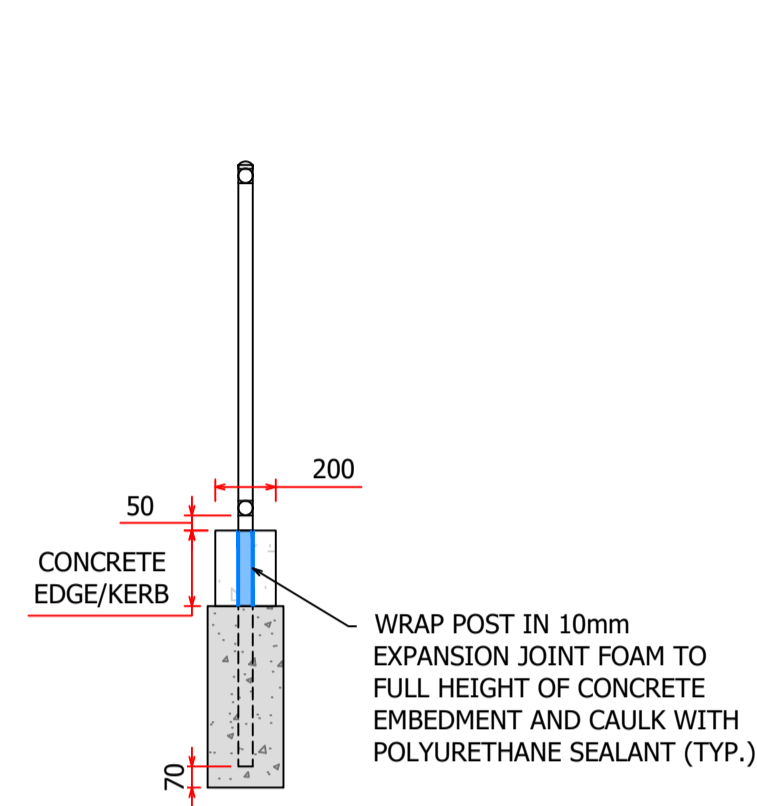
T1 15/11/24 RKC BWL ARM TENDER ISSUE
Issue | Date | By | Chkd | Appd | Description

Job Title
QUAIRADING SPORTS
PRECINCT - NETBALL COURTS
Drawing Title
PAVEMENT PROFILES
AND DETAILS

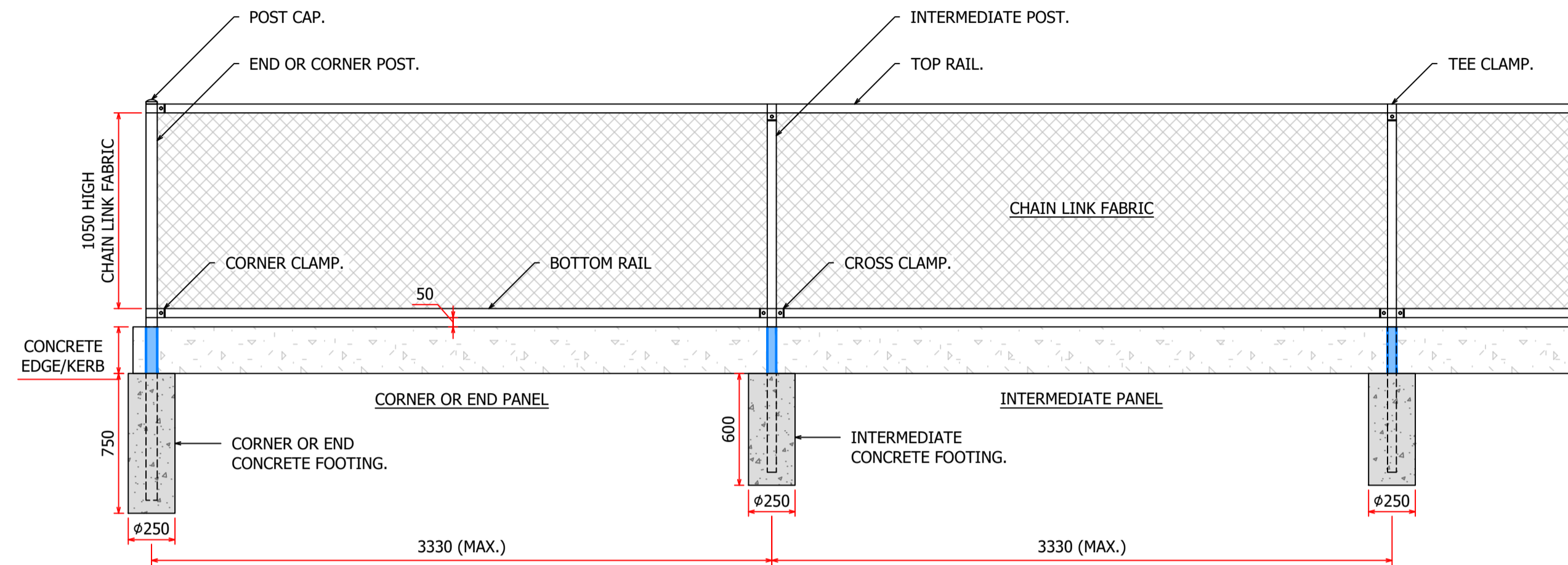
N.T.S.
Discipline
FIELD OF PLAY
Drawing Status
TENDER
Drawing Number
SE_12234_F650
Issue
T1

NOTE:

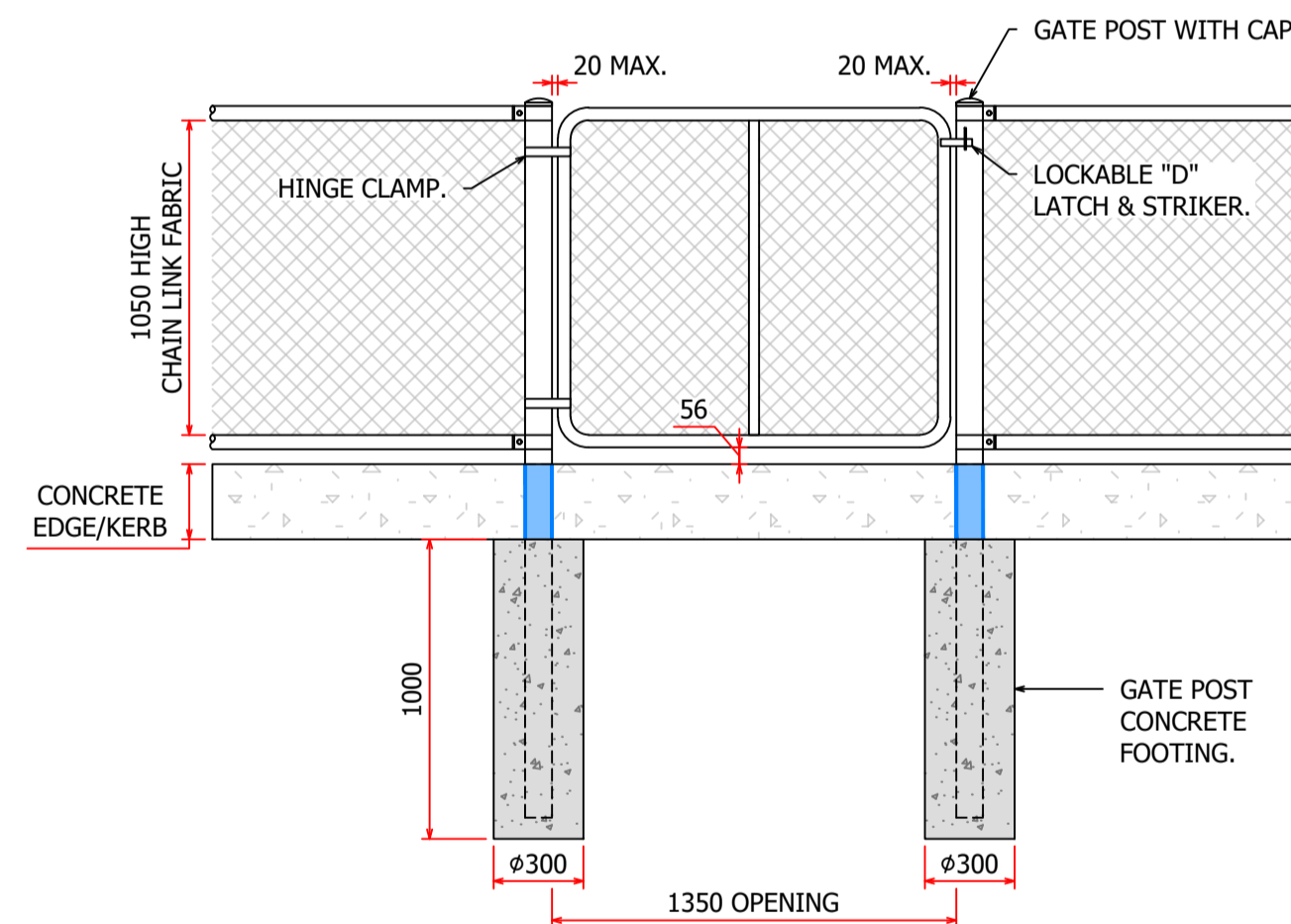
1. INSTALLATION OF FENCE SHALL BE IN ACCORDANCE WITH AS 1725.5-2010 AND THE TECHNICAL SPECIFICATION SECTION 8000.
2. FENCE CONSTRUCTION SHALL BE TYPE 2: HEAVY DURABILITY CONSTRUCTED WITHDN 50 POSTS AND DN40 RAILS.
3. NOMINAL FENCE HEIGHT SHALL BE 1050mm (CHAIN LINK FABRIC HEIGHT).
4. ALL PIPE POSTS AND RAILS SHALL BE CLASS 1 (MEDIUM QUALITY) AS PER AS1074-1989.
5. JOINTS ONLY PERMITTED IN TOP RAIL AT NOT LESS THAN 6000mm INTERVALS.
6. CHAIN LINK FABRIC SHALL BE: 50mm PITCH, 3.15mm WIRE, KNUCKLE-KNUCKLE (KK) SELVEDGE, BLACK FUSION BONDED COATED.
7. LACING WIRE SHALL BE BLACK FUSE-BONDED POLYMER-COATED, IN ACCORDANCE WITH AS 1725.5 CLAUSE 3.7(c).
8. ALL STEEL ELEMENTS SHALL BE POWDER COATED BLACK, UNLESS NOTED OTHERWISE.
9. VARIATIONS TO THE DESIGN MUST BE VERIFIED BY A STRUCTURAL ENGINEER.



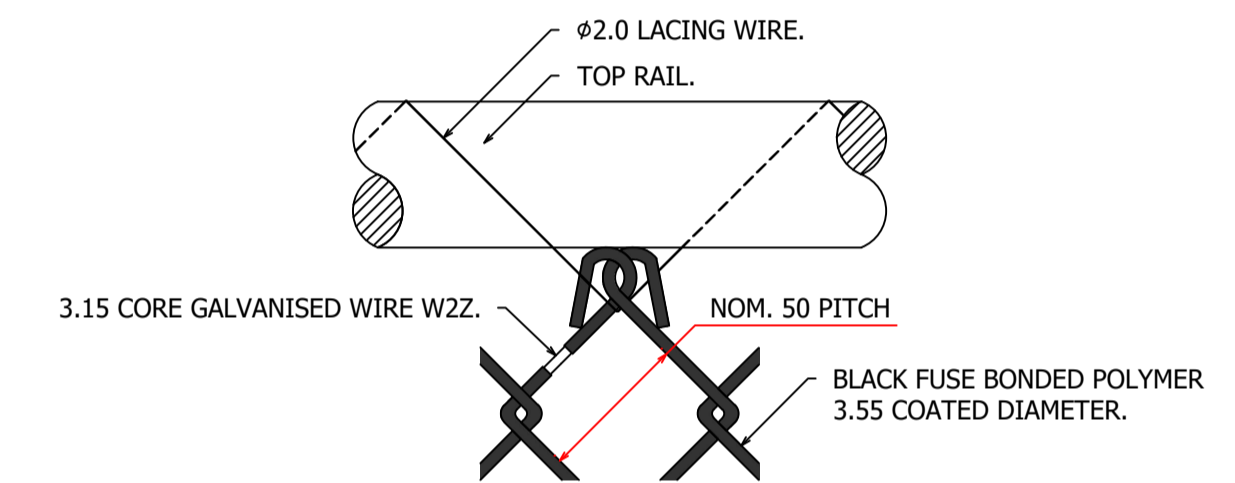
**FENCE AND FOOTING
TYPICAL SECTION
N.T.S.**



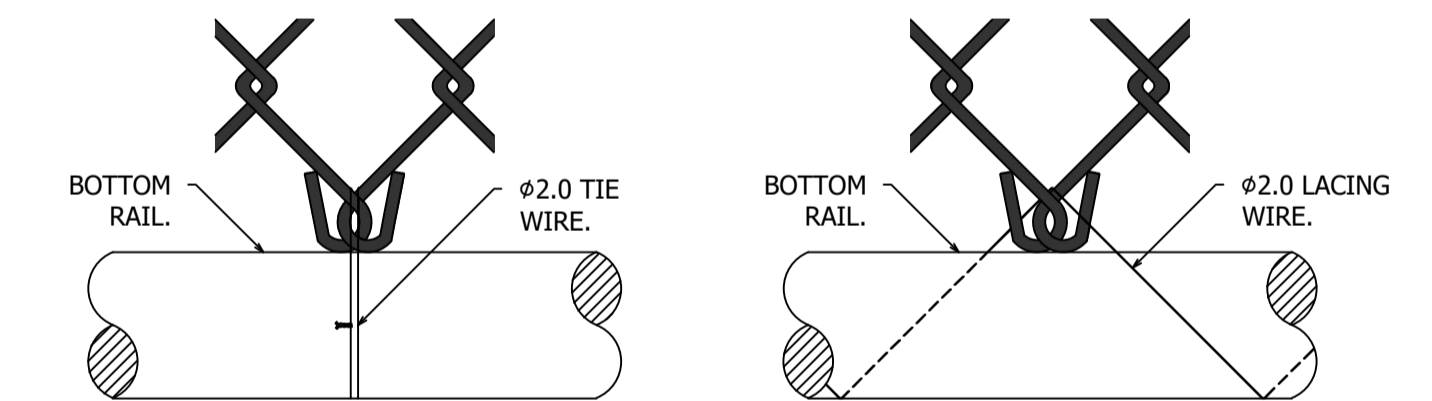
**1050 NOMINAL HEIGHT FENCE
TYPICAL ELEVATION
N.T.S.**



**1350 WIDE SINGLE GATE
TYPICAL ELEVATION
N.T.S.**



**MESH TO TOP RAIL
TYPICAL DETAIL
N.T.S.**



**MESH TO BOTTOM RAIL
TYPICAL DETAIL
N.T.S.**

NOTE: MESH MAY BE EITHER TIED OR LACED.

FENCE AND GATE DETAILS:

DESCRIPTION	NOMINAL DIAMETER (mm)	QUALITY	OUTSIDE DIAMETER (mm)	WALL THICKNESS (mm)	FOOTING DIAMETER (mm)	FOOTING DEPTH (mm)
CORNER POSTS	DN 50	MEDIUM	60.3	3.6	250	750
END POSTS	DN 50	MEDIUM	60.3	3.6	250	750
INTERMEDIATE POSTS	DN 40	MEDIUM	48.3	3.2	250	600
PIPE RAIL	DN 32	MEDIUM	42.4	3.2		
OPTIONAL BACKSTAYS	DN 32	MEDIUM	42.4	3.2	250	600
GATE POST	DN 80	MEDIUM	88.9	4.0	300	1000
GATE OUTER FRAME	DN 32	MEDIUM	42.4	3.2		
GATE INNER FRAME	DN 25	MEDIUM	33.7	3.2		

NOT FOR CONSTRUCTION



Job Title
**QUAIRADING SPORTS
PRECINCT - NETBALL COURTS**

Drawing Title
1.05m HIGH FENCE DETAILS

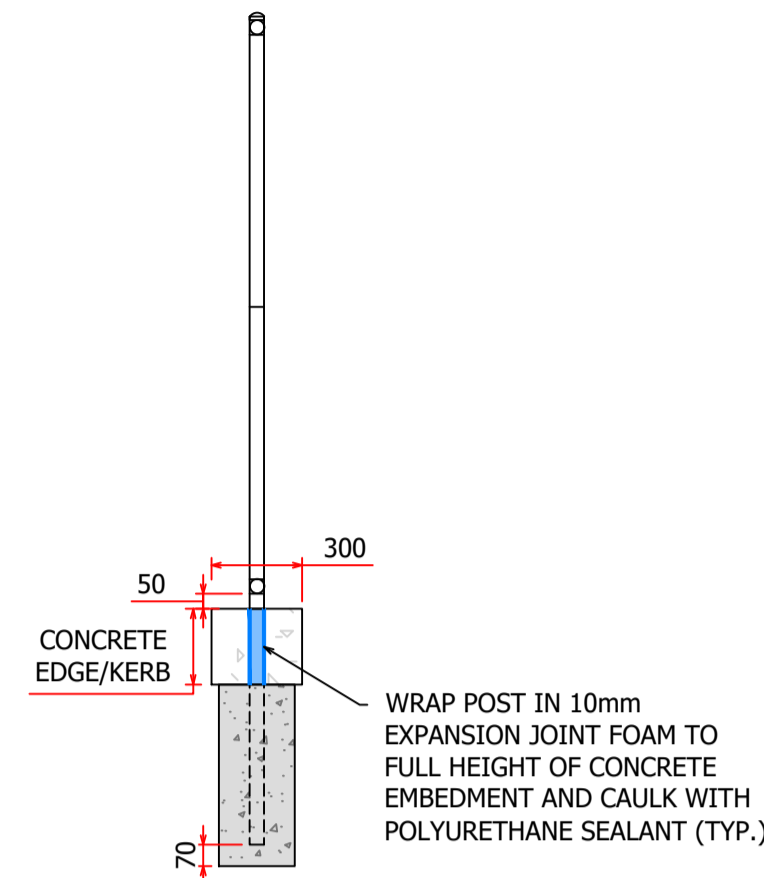
Discipline
FIELD OF PLAY

Drawing Status
TENDER

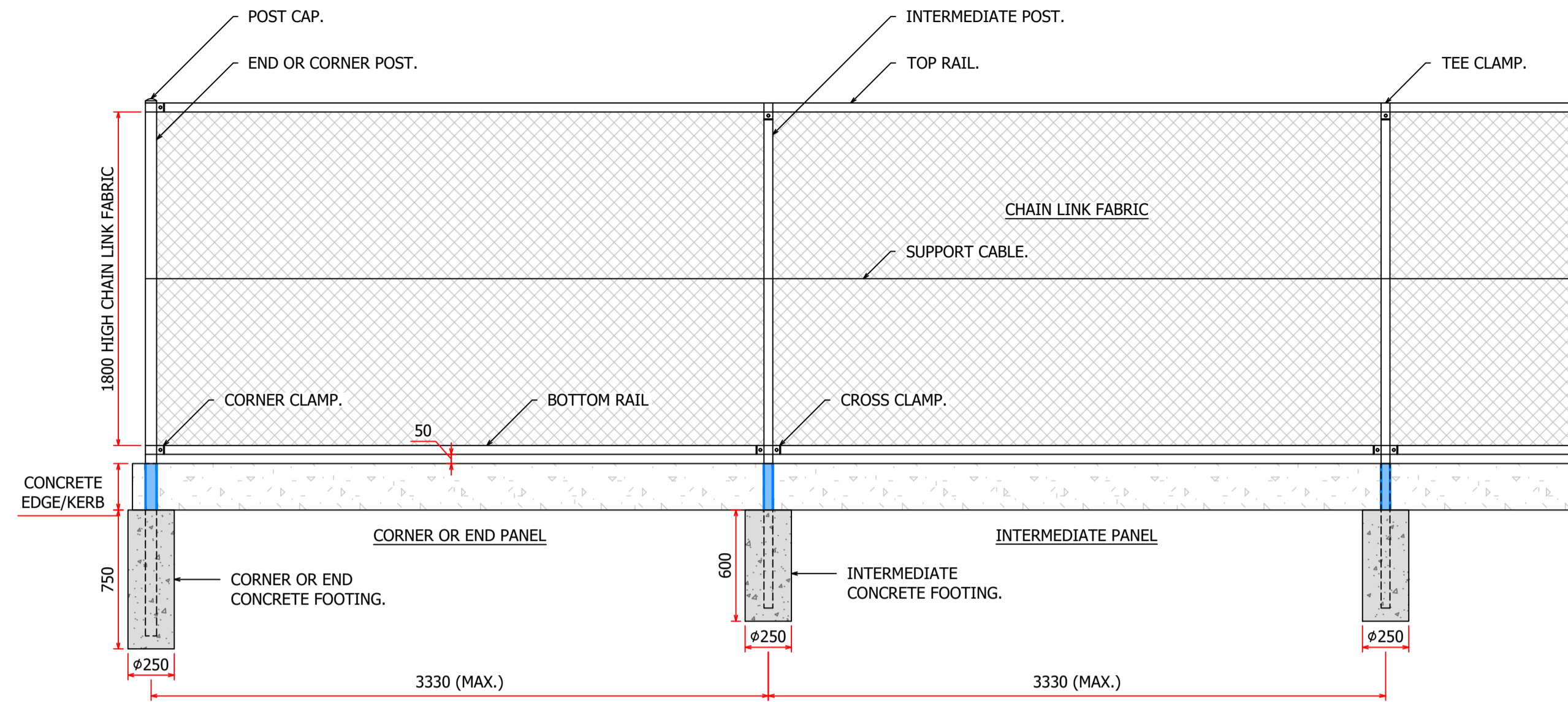
Drawing Number
SE_12234_F700

Issue
T1

T1 15/11/24 RKC BWL ARM TENDER ISSUE
Issue | Date | By | Chkd | Appd | Description

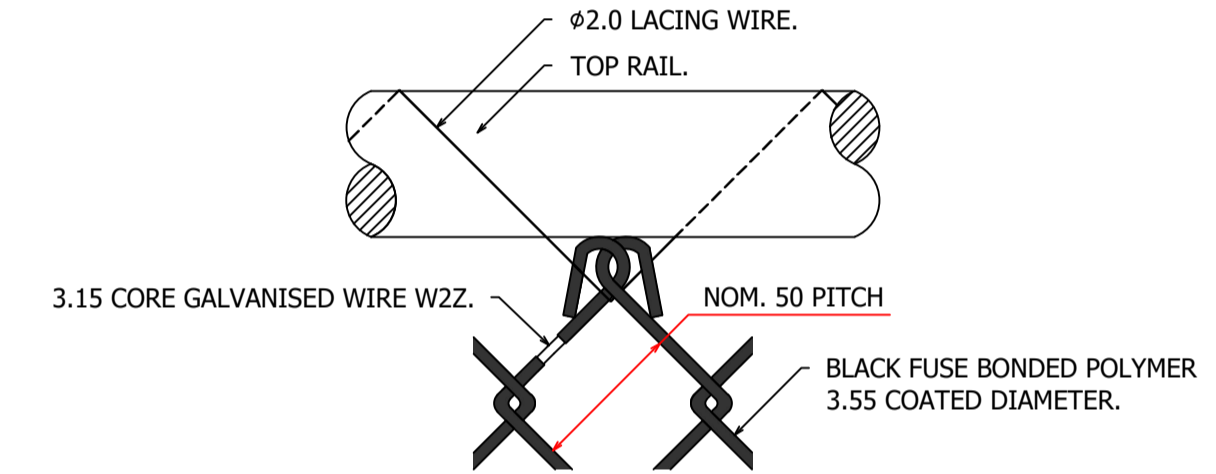


**FENCE AND FOOTING
TYPICAL SECTION**
N.T.S.

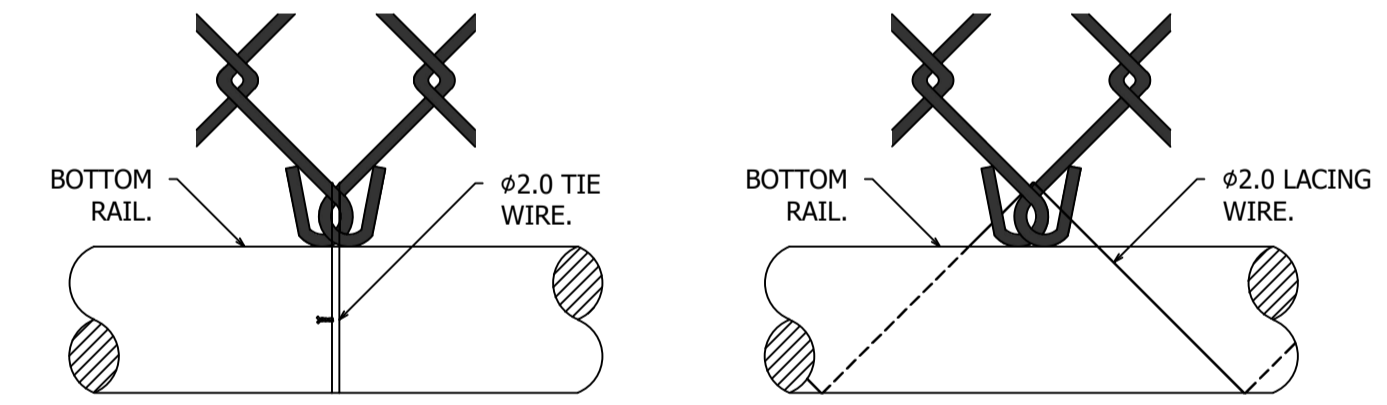


**1800 NOMINAL HEIGHT FENCE
TYPICAL ELEVATION**
N.T.S.

- NOTE:**
1. INSTALLATION OF FENCE SHALL BE IN ACCORDANCE WITH AS 1725.1-2010 AND THE TECHNICAL SPECIFICATION SECTION 8000.
 2. FENCE SHALL BE TYPE 2-T-B/P-T TOP AND BOTTOM RAIL, PLAIN TOP SECURITY FENCING IN ACCORDANCE WITH AS 1725.1, FIGURE J1, APPENDIX J.
 3. NOMINAL FENCE HEIGHT SHALL BE 1800mm (CHAIN LINK FABRIC HEIGHT).
 4. BACKSTAYS SHALL NOT BE USED.
 5. ALL PIPE POSTS AND RAILS SHALL BE CLASS 1 (MEDIUM QUALITY) AS PER AS1074-1989.
 6. JOINTS ONLY PERMITTED IN TOP RAIL AT NOT LESS THAN 6000mm INTERVALS.
 7. CHAIN LINK FABRIC SHALL BE: 50mm PITCH, 3.15mm WIRE, KNUCKLE-KNUCKLE (KK) SELVEDGE, BLACK FUSION BONDED COATED.
 8. SUPPORT CABLE SHALL BE EITHER:
 - a. BLACK FUSE-BONDED POLYMER-COATED HELICOIL CABLE WIRE IN ACCORDANCE WITH AS 1725.1 CLAUSE 3.8(c) .
 - b. BLACK FUSE-BONDED POLYMER-COATED TWIN-TWISTED CABLE WIRE IN ACCORDANCE WITH AS 1725.1 CLAUSE 3.8(f) .
 9. LACING WIRE SHALL BE BLACK FUSE-BONDED POLYMER-COATED, IN ACCORDANCE WITH AS 1725.1 CLAUSE 3.9(c).
 10. ALL STEEL ELEMENTS SHALL BE POWDER COATED BLACK, UNLESS NOTED OTHERWISE.
 11. VARIATIONS TO THE DESIGN MUST BE VERIFIED BY A STRUCTURAL ENGINEER.

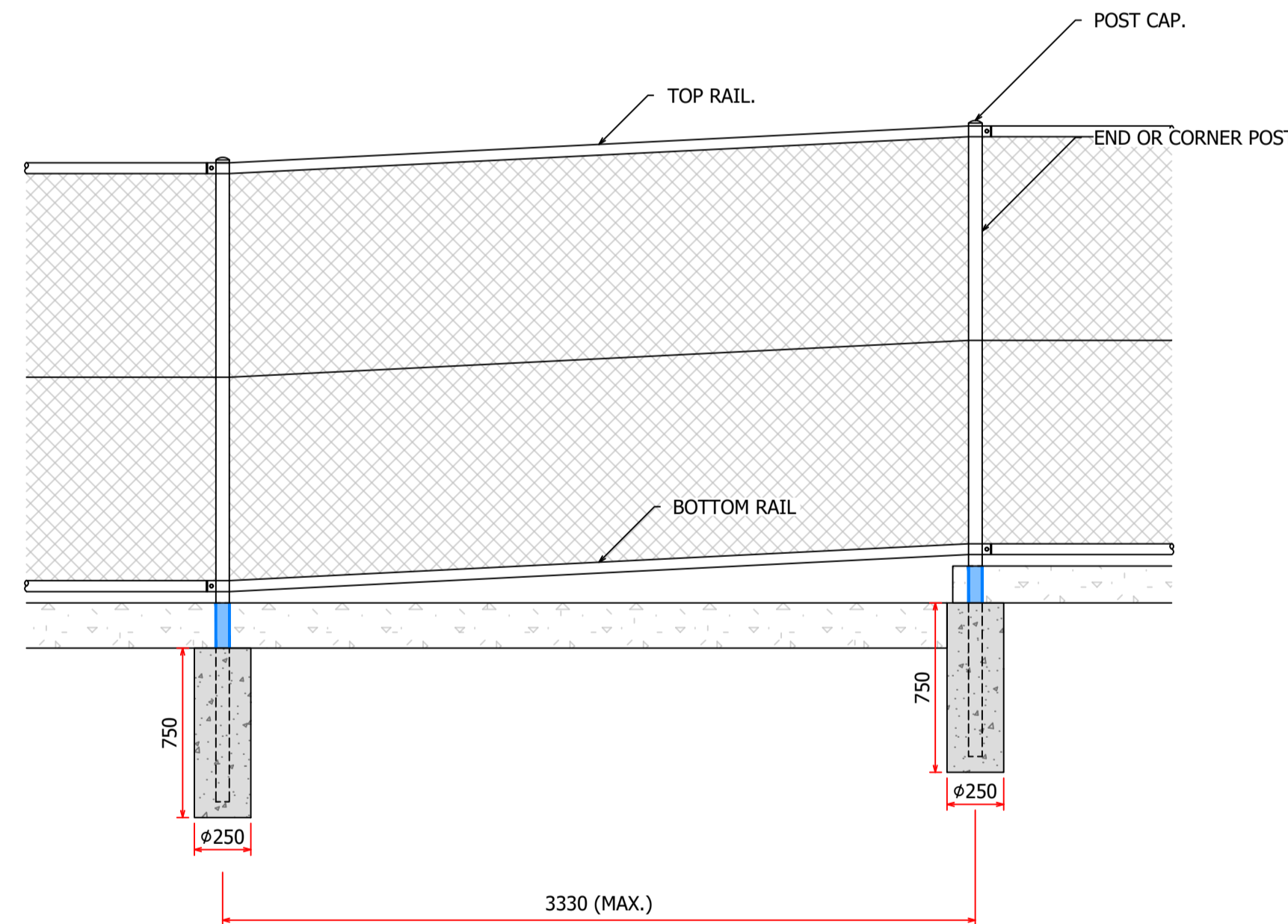


**MESH TO TOP RAIL
TYPICAL DETAIL**
N.T.S.



**MESH TO BOTTOM RAIL
TYPICAL DETAIL**
N.T.S.

NOTE: MESH MAY BE EITHER TIED OR LACED.



**LEVEL TRANSITION FENCE
TYPICAL ELEVATION**
N.T.S.

FENCE AND GATE DETAILS:

DESCRIPTION	NOMINAL DIAMETER (mm)	QUALITY	OUTSIDE DIAMETER (mm)	WALL THICKNESS (mm)	FOOTING DIAMETER (mm)	FOOTING DEPTH (mm)
CORNER POSTS	DN 50	MEDIUM	60.3	3.6	250	750
END POSTS	DN 50	MEDIUM	60.3	3.6	250	750
INTERMEDIATE POSTS	DN 40	MEDIUM	48.3	3.2	250	600
PIPE RAIL	DN 32	MEDIUM	42.4	3.2		
OPTIONAL BACKSTAYS	DN 32	MEDIUM	42.4	3.2	250	600
GATE POST	DN 80	MEDIUM	88.9	4.0	300	1000
GATE OUTER FRAME	DN 32	MEDIUM	42.4	3.2		
GATE INNER FRAME	DN 25	MEDIUM	33.7	3.2		

NOT FOR CONSTRUCTION



Job Title
**QUAIRADING SPORTS
PRECINCT - NETBALL COURTS**

Drawing Title
1.8m HIGH FENCE DETAILS

Discipline
FIELD OF PLAY

Drawing Status
TENDER

Drawing Number
SE_12234_F701

Issue
T1

T1 15/11/24 RKC BWL ARM TENDER ISSUE
Issue | Date | By | Chkd | Appd | Description