JORDAN SPRINGS TAVERN Lot 3989 of DP1190132 CIVIL ENGINEERING PACKAGE



DRAWING SCHEDULE

DWG No.	DRAWING TITLE
21933-C-000-DA	COVER SHEET, LOCALITY PLAN & DRAWING SCHEDULE
21933-C-001-DA	SPECIFICATION NOTES SHEET
21933-C-100-DA	EROSION AND SEDIMENT CONTROL PLAN AND DETAILS SHEET
21933-C-200-DA	BULK EARTHWORKS PLAN
21933-C-301-DA	STORMWATER MANAGEMENT PLAN
21933-C-351-DA	STORMWATER MANAGEMENT CATCHMENT PLAN
21933-C-601-DA	TYPICAL DETAILS SHEET 1
21933-C-602-DA	TYPICAL DETAILS SHEET 2

LOCALITY PLAN - image courtesy of Google Maps

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sue	Date	Amendment	Int.	App.	CO-ORDINATED REFERENCE DRAWINGS			
1	21.07.2020	ISSUED FOR DEVELOPMENT APPLICATION	CV	CV	SERVICE	DRAWING NUMBER	ISSUE	DATE
					ARCH	930-DA010	1	15.07.2020
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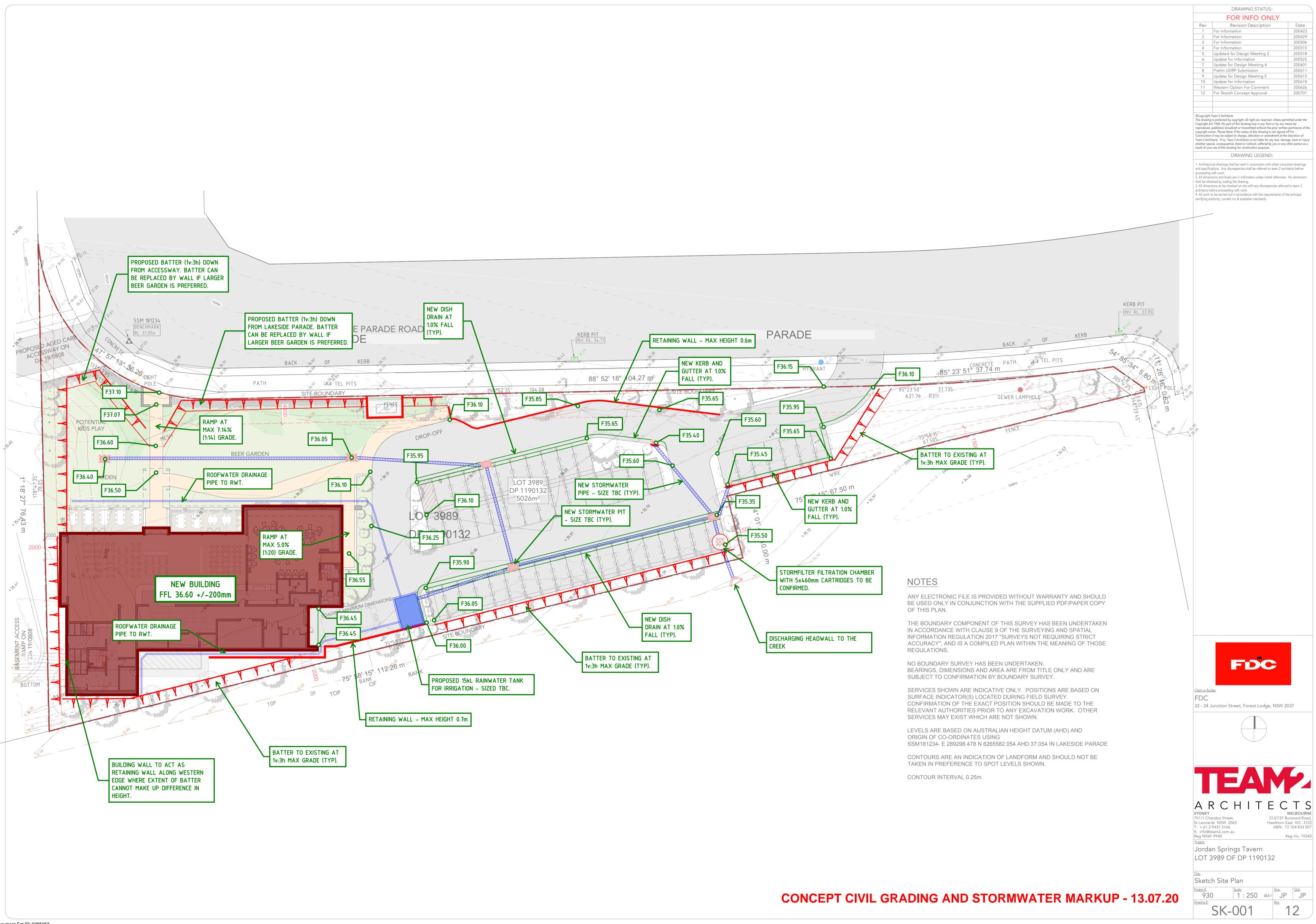


JORDAN SPRINGS TAVERN
LOT 3989 OF DP 1190132

CIVIL
COVER SHEET,
LEGEND &
DRAWING SCHEDULE

North Point:	Design:	CV
	Design Validated:	-
	Amendment Approved:	CV
	Drawn:	CV
Date: JULY 2020	Scale: (A1)	NTS
Job No.: Part No.: 21933-001 -	Disc: Dwg No.:	Stage: Issue:

FILE NAME & PATH: W:\219xx\21933 - Jordan Springs Tavern\001 - Design Services\CAD\Design\Civil\21933 C-000-DA-COVER SHEET.dwg PLOTTED BY: 'christopher.veleski' PLOT DATE & TIME: 22 Jul, 2020 - 5:32am



GENERAL INSTRUCTION

- 1. THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE ENGINEERING PLANS, AND ANY OTHER PLANS OR WRITTEN INSTRUCTIONS THAT MAY BE ISSUED AND RELATING TO DEVELOPMENT AT THE SUBJECT SITE.
- 2. THE SITE SUPERINTENDENT WILL ENSURE THAT ALL SOIL AND WATER MANAGEMENT WORKS ARE LOCATED AS INSTRUCTED IN THIS SPECIFICATION.
- 3. ALL BUILDERS AND SUB-CONTRACTORS WILL BE INFORMED OF THEIR RESPONSIBILITIES IN MINIMISING THE POTENTIAL FOR SOIL EROSION AND POLLUTION TO DOWN SLOPE LANDS ARE WATERWAYS.
- 4. ALL PAVEMENT PREPARATION AND MATERIAL TO COMPLY TO RMS 3051 SPECIFICATION.

SEDIMENT CONTROL

- . "SILT" FENCING WILL BE INSTALLED AS INDICATED ON THIS PLAN AND BETWEEN BUILDING AT THE DIRECTION OF THE SUPERINTENDENT TO ENSURE CONTAINMENT OF SEDIMENT
- 2. STOCKPILES WILL NOT BE LOCATED WITHIN 2 METRES OF HAZARD AREAS. INCLUDING LIKELY AREAS OF CONCENTRATED OR HIGH VELOCITY FLOWS SUCH AS WATERWAYS. PAVED AREAS AND DRIVEWAYS WHERE THEY ARE BETWEEN 2 AND 5 METRES FROM SUCH AREAS. SPECIAL SEDIMENT CONTROL MEASURES SHOULD BE TAKEN TO MINIMISE POSSIBLE POLLUTION TO DOWN SLOPE WATERS. E.G. THROUGH INSTALLATION OF "SILT" FENCING.
- 3. ANY SAND USED IN THE CONCRETE CURING PROCESS (SPREAD OVER THE SURFACE) WILL BE REMOVED AS SOON AS POSSIBLE AND WITHIN 10 WORKING DAYS FROM REPLACEMENT.
- 4. WATER WILL BE PREVENTED FROM ENTERING THE PERMANENT DRAINAGE SYSTEM UNLESS IT IS RELATIVELY SEDIMENT FREE. I.E.: THE CATCHMENT AREA HAS BEEN PERMANENTLY LANDSCAPED AND / OR ANY LIKELY SEDIMENT HAS BEEN FILTERED THROUGH AN APPROVED STRUCTURE.
- 5. TEMPORARY SOIL AND WATER MANAGEMENT STRUCTURES WILL BE REMOVED ONLY AFTER THE LANDS THEY ARE PROTECTING ARE REHABILITATED.

UNDERGROUND SERVICES

1. THE LOCATIONS OF UNDERGROUND SERVICES SHOWN ON THESE DRAWINGS HAVE BEEN PLOTTED FORM SURVEY AND AUTHORITY INFORMATION. THE SERVICE INFORMATION HAS BEEN PREPARED ONLY TO SHOW THE APPROXIMATE POSITIONS OF ANY KNOWN SERVICE AND MAY NOT BE AS CONSTRUCTED OR ACCURATE. EWFW PTY LTD CANNOT GUARANTEE THAT THE SERVICES INFORMATION SHOWN ON THESE DRAWINGS ACCURATELY INDICATES THE PRESENCE OR ABSENCE OF THEIR LOCATION AND WILL ACCEPT NO LIABILITY FOR INACCURACIES IN THE SERVICES

INFORMATION SHOWN ARISING FROM ANY CAUSE WHATSOEVER.

- 2. CONTRACTORS SHALL TAKE DUE CARE WHEN EXCAVATING ON SITE INCLUDING HAND EXCAVATION WHERE NECESSARY
- 3. CONTRACTORS ARE TO CONTACT THE RELEVANT SERVICE AUTHORITY PRIOR TO COMMENCEMENT OF EXCAVATION OR FUTURE WORKS.
- 4. CONTRACTORS ARE TO UNDERTAKE A SERVICES SEARCH PRIOR TO COMMENCEMENT OF WORKS ON SITE.

EARTHWORKS

- 1. NO GEOTECHNICAL INFORMATION HAS BEEN PROVIDED AT THE TIME OF THE PREPARATION OF THESE DRAWINGS, CONTRACTOR TO ENGAGE GEOTECHNICAL ENGINEER FOR ADVICE FOR ALL PARAMETERS. INFORMATION TO BE PROVIDED TO EWFW UPON RECIPET FOR VALIDITY OF DESIGN. EWFW WILL NOT BE LIABLE FOR ANY WORKS COMPLETED WITHOUT CONFIRMATION OF GEOTECHNICAL PARAMETERS.
- 2. ALL TOPSOIL, ORGANIC MATTER AND FILL MATERIAL SHALL BE REMOVED FORM THE AREA OF WORKS TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER. TOPSOIL TO BE STOCKPILED AND RESPREAD UPON COMPLETION OF WORKS.
- 3. UPON COMPLETION OF TOPSOIL STRIPPING AND PRIOR TO PLACEMENT OF FILL THE ENTIRE SITE SHALL BE PROOF ROLLED WITH A MINIMUM OF 8 PASSES OF AN 9 TONNE MINIMUM DEAD WEIGHT ROLLER. ANY SOFT OR HEAVING AREAS SHALL BE REMOVED TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER TO A MINIMUM DEPTH OF 500mm AND THEN BACKFILLED WITH APPROVED MATERIAL IN 200mm THICK LOOSE LAYERS COMPACTED TO 98% OF STANDARD MAX. DRY DENSITY AND TO WITHIN ±2% OF STANDARD OPTIMUM MOISTURE CONTENT. APPROVED BACKFILL MATERIAL MAY BE CRUSHED
- ROCK OR SANDY LOAM WITH A PLASTICITY INDEX LESS THAN 15%. 4. EXCAVATED MATERIAL MAY BE USED FOR FILLING SUBJECT TO APPROVAL BY GEOTECHNICAL ENGINEER - EXCESS SOIL TO BE REMOVED AND DISPOSED OFF SITE.

BULK EARTHWORKS SPECIFICATION

THE CONTRACTOR WILL IMPORT SUITABLE FILL FROM AN EXTERNAL SOURCE. EXCAVATION MATERIALS MEETING THE REQUIRED SPECIFICATION MAY BE USED AS FILL. THIS MAY INCLUDE RECYCLED MATERIALS IF THEY ARE SUITABLY BLENDED/CONDITIONED TO MEET MATERIALS SPECIFICATIONS. THE REQUIREMENTS OF MATERIALS SUITABLE AS FILL MATERIAL IS AS FOLLOWS. SITE MATERIAL (IF SURPLUS) MAY BE USED AS FILL MATERIALS PROVIDED IT MEETS THE SPECIFICATION MATERIALS REQUIREMENTS AND CAN BE PLACED TO MEET COMPACTION REQUIREMENTS. AS A GUIDE MATERIALS WITH GREATER THAN 5 % INCLUSIONS (BY VOLUME) OF UNSUITABLE MATERIALS (SUCH AS PEAT, ASH, CHARCOAL, WOOD, METAL OR CERAMIC) SHALL NOT TO BE USED WITHOUT REMOVAL OF THE DELETERIOUS MATERIALS. INCLUSIONS OVER 75mm SHALL BE

SAND FILLING FOR GENERAL FILL SHALL BE PERMITTED PROVIDED THE SPECIFIED SUBGRADE AND FILLING COMPACTION CAN BE ACHIEVED; ALL SURPLUS EXCAVATION MATERIAL NOT REQUIRED FOR OR NOT SUITABLE FOR FILLING SHALL BE DISPOSED OF OFF SITE AT AN APPROVED DUMP SITE;

NO CONTAMINATED SOILS AT AN APPROVED SUMP SITE; TOPSOIL IN CUT/FILL AND BORROW AREAS SHALL BE STRIPPED PRIOR TO EARTHWORKS COMMENCEMENT. TOPSOIL SUITABLE FOR LANDSCAPE SHALL BE STOCKPILED AT AN APPROVED LOCATION FOR RE-USE. ALL OTHER TOPSOIL SHALL BE DISPOSED OF OFFSITE AT AN APPROVED TIP. ALL PEAT ENCOUNTERED SHALL BE REMOVED AND DISPOSED OF OFFSITE AT AN APPROVED TIP.

ALL THE ABOVE TO SATISFY THE REQUIREMENTS OF THE GEOTCHNICAL ENGINEE EXCAVATED MATERIAL IF APPROVED BY THE GEOTECHNICAL ENGINEER CAN BE USED AS FILL IN THE RAISED AREAS UNDER FLOOR SLABS AND EXTERNAL PAVING AREAS. THE CIVIL CONTRACTOR SHALL PROVIDE SAMPLES OF THE INTENDED FILL MATERIAL TO THE GEOTECHNICAL ENGINEER PRIOR TO COMMENCEMENT OF WORK FOR VERIFICATION OF SUITABILITY AS FILL MATERIAL. ALL FILL MATERIAL SHALL BE PLACED IN LOOSE LAYERS OF MAXIMUM 200mm THICKNESS. FILL SHALL BE COMPACTED TO 98% OF STANDARD MAXIMUM DRY DENSITY AND TO WITHIN ±2% OF STANDARD OPTIMUM MOISTURE CONTENT. THE CIVIL CONTRACTOR SHALL CARRY OUT AT LEAST LEVEL 2 TESTING OF EARTHWORKS IN ACCORDANCE WITH AS.3798 AND PROVIDE A CERTIFICATE OF COMPLIANCE ON COMPLETION OF WORKS. APPROVED FILL SHALL COMPLY WITH THE SPECIFICATION OUTLINED

IN NOTE 5 OR AS APPROVED BY THE GEOTECH ENGINEER. SET-OUT POINTS FOR EARTHWORKS PLATFORMS ARE SHOWN AT THE BUILDING WALL LINE AS DEPICTED ON THE ARCHITECTURAL SITE PLAN AND ARE PROVIDED TO ENSURE THE PLATFORM AREA WILL ENCOMPASS THE PROPOSED BUILDING ENVELOPE.

SITEWORKS NOTES

- 1. ORIGIN OF LEVELS. REFER TO BENCH OR STATE SURVEY MARK. 2. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORK.
- 3. ALL WORKS IS TO BE UNDERTAKEN IN ACCORDANCE WITH THE DETAILS SHOWN ON THE DRAWINGS, THE SPECIFICATIONS, AND THE DIRECTIONS OF THE SUPERINTENDENT
- 4. WHERE NEW WORKS ABUT EXISTING THE CONTRACTOR SHALL ENSURE THAT A SMOOTH EVEN PROFILE, FREE FROM ABRUPT CHANAGES IS ACHIEVED.
- 5. THE CONTRACTOR SHALL ARRANGE ALL SURVEY SETOUT TO BE
- CARRIED OUT BY A REGISTERED SURVEYOR. 6. CARE IS TO BE TAKEN WHEN EXCAVATING NEAR EXISTING SERVICES AND EXISTING TREES TO BE RETAINED. NO MECHANICAL EXCAVATION IS TO BE UNDERTAKEN OVER TELSTRA
- OR ELECTRICAL SERVICES. HAND EXCAVATE IN THESE AREAS. 7. ALL SERVICE TRENCHES UNDER PAVEMENTS OR SLABS ON GROUND SHALL BE BACKFILLED WITH SAND OR AN APPROVED GRANULAR MATERIAL, AND COMPACTED TO 98% STANDARD
- MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 E1.1 8. FOR TRENCHES NOT UNDER PAVEMENTS WHERE EXCAVETED MATERIAL MAY BE USED FOR BASKFILL, THE MATERIAL SHALL BE COMPACTED TO THE SAME DENSITY AS THE UNDISTURBED
- MATERIAL EITHER SIDE OR TRENCH. 9. ON COMPLETION OF PIPE INSTALLATION ALL DISTURBED AREAS MUST BE REINSTATED TO "AS FOUND" CONDITION, INCLUDING KERBS, FOOTPATHS, CONCRETE AREAS, GRAVEL AND GRASSED AREAS AND ROAD PAVEMENTS.
- 10. PROVIDE MINIMUM 12mm WIDE x 50mm DEEP SELF EXPANDING CORK EXPANSION JOINT IN CONCRETE PAVING (TOP) WHERE ABUTTING EXISTING BUILDINGS AND STRUCTURES. FILL REMAINDER OF JOINT WITH NON EXPANDING CORK UNLESS SHOWN OTHERWISE. ALTERNATIVE FILLERS MAY BE USED TO APPROVAL BY THE SUPERINTENDENT.
- 11. CONTRACTOR TO OBTAIN ALL AUTHORITY APPROVALS WHERE RELEVANT.
- 12. MAKE SMOOTH TRANSITION TO EXISTING SURFACES AND MAKE GOOD.
- 13. THE CONTRACTOR SHALL ENSURE ALL AREAS DRAIN WITH A MINIMUM FALL OF 1% (1:100) GRADE TO OUTLETS UNLESS INDICATED OTHERWISE.
- 14. THESE PLANS SHALL BE READ IN CONJUCTION WITH APPROVED LANDSCAPE, ARCHITECTURAL, STRUCTURAL, HYDRAULIC AND MECHANICAL DRAWINGS AND SPECIFICATIONS.
- 15. TRENCHES THROUGH EXISTING ROAD AND CONCRETE PAVEMENTS SHALL BE SAWCUT TO FULL DEPTH OF CONCRETE AND A MINIMUM OF 50mm IN BITUMINOUS PAVING.

16. ALL BRANCH GAS AND WATER SERVICES UNDER DRIVEWAYS AND

- BRICK PAVING SHALL BE LOCATED IN 80Ø UPVC SEWER GRADE CONDUITS EXTENDING A MINIMUM OF 500mm BEYOND EDGE OF PAVING 17. GRADES TO PAVEMENTS TO BE AS IMPLIED BY RL'S ON PLAN BUT NOT LESS THAN 1% GRADE EVENLY BETWEEN NOMINATED RL'S.
- AREAS EXHIBITING PONDING GRATER THAN 5mm DEPTH WILL NOT BE ACCEPTED. 18. ANY CHANGES TO DESIGN DOCUMENTATION MUST BE APPROVED. AN APPROVED CHANGE DOES NOT SUBJECT TO A VARIATION TO

EXISTING SERVICES & FEATURES

THE CLIENT.

- 1. THE CONTRACTOR SHALL ALLOW FOR THE CAPPING OFF. EXCAVATION AND REMOVAL IF REQUIRED OF ALL EXISTING SERVICES IN AREAS AFFECTED BY WORKS WITHIN THE CONTRACT AREA OR AS SHOWN ON THE DRAWINGS UNLESS DIRECTED OTHERWISE BY THE SUPERINTENDENT.
- 2. THE CONTRACTOR SHALL ENSURE THAT AT ALL TIMES, SERVICES TO ALL BUILDINGS NOT AFFECTED BY THE WORKS ARE NOT DISRUPTED.
- 3. PRIOR TO COMMENCEMENT OF ANY WORKS THE CONTRACTOR SHALL GAIN APPROVAL OF HIS PROGRAM FOR THE RELOCATION A CONSTRUCTION OF TEMPORARY SERVICES.
- 4. EXISTING BUILDINGS, EXTERNAL STRUCTURES AND TREES SHOWN ON THESE DRAWINGS ARE EXISTING FEATURES PRIOR TO ANY DEMOLITION WORKS.
- 5. CONTRACTOR SHALL CONSTRUCT TEMPORARY SERVICES TO MAINTAIN EXISTING SUPPLY TO BUILDINGS REMAINING IN OPERATION DURING WORKS TO THE SATISFACTION AND APPROVAL OF THE SUPERINTENDENT. ONCE DIVERSION IS COMPLETE AND COMMISSIONED, THE CONTRACTOR SHALL REMOVE ALL SUCH TEMPORARY SERVICES AND MAKE GOOD TO THE SATISFACTION THE SUPERINTENDENT.
- 6. INTERRUPTION TO SUPPLY OF EXISTING SERVICES SHALL BE DONE SO AS NOT TO CAUSE ANY INCONVENIENCE TO THE PRINCIPAL. CONTRACTOR TO GAIN APPROVAL OF SUPERINTENDENT FOR TIME OF INTERRUPTION

CONSTRUCTION

1. PAVEMENT MATERIAL SHALL NOT BE PLACED ON THE SUBGRADE OR PREVIOUS LAYERS OF PAVEMENT UNTIL THOSE LAYERS HAVE BEEN APPROVED. MATERIAL SHALL NOT BE PLACED OVER A LAYER WEAKENED BY MOISTURE. CRUSHED MATERIALS, WHEN DELIVERED, SHALL HAVE MOISTURE CONTENT WITHIN ± 2% OF THE STANDARD OPTIMUM MOISTURE CONTENT.

SPREAD MATERIAL ON UNIFORM LAYERS AS NEAR AS PRACTICABLE TO THE REQUIRED THICKNESS BY DIRECT TIPPING FROM SUITABLE VEHICLES OR BY THE USE OF A MECHANICAL SPREADER. TAKE CARE TO AVOID SEGREGATION OF MATERIAL DURING TIPPING AND SPREADING. THE TIPPING OF MATERIAL IN HEAPS AND SPREADING BY GRADER IS TO BE MINIMISED. IF MATERIAL BECOMES SEGREGATED IT SHALL BE REMIXED AS DIRECTED USING A ROTARY HOE OR OTHER SUITABLE EQUIPMENT.

2. COMPACTION AND FINISHING LAYERS OF PAVEMENT MATERIAL SHALL BE NOT LESS THAN 100mm IN COMPACTED THICKNESS. MAXIMUM LAYER THICKNESS SHALL BE LIMITED TO THAT WHICH WILL ALLOW COMPACTION TO SPECIFIED DENSITIES BY THE EQUIPMENT IN USE. WHERE A COURSE OF PARTICULAR MATERIAL IS COMPOSED OF SEVERAL LAYERS THEY SHALL BE OF EQUAL THICKNESS WITHIN THESE LIMITS. BASE, SUB-BASE AND SELECT MATERIALS SHALL BE COMPACTED TO 100% STANDARD DRY DENSITY THROUGHOUT DURING COMPACTION, MAINTAIN MOISTURE CONTENT OF PAVEMENT MATERIALS IN THE RANGE SPECIFIED ABOVE. WATER SPRAYING EQUIPMENT USED FOR THIS PURPOSE SHALL BE CAPABLE OF UNIFORMLY DISTRIBUTING WATER IN CONTROLLED QUANTITIES OVER UNIFORM LANE WIDTHS. TESTING OF BASE, SUB-BASE AND SELECT LAYERS SHALL BE CARRIED OUT BY A NATA REGISTERED LABORATORY. FREQUENCY OF TESTING SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS

OF THE GEOTECHNICAL CONSULTANT AND AS379 (WHICHEVER REQUIRES THE MORE TESTS). COPIES OF ALL RESULTS SHALL BE FORWARDED TO THE SUPERINTENDENT WITHOUT DELAY. EACH SUCCESSIVE LAYER SHALL NOT BE COMMENCED UNTIL THE UNDERLYING LATER HAS BEEN APPROVED BY THE GEOTECHNICAL ENGINEER.

3. TOLERANCES ON COMPLETION OF PLACEMENT, COMPACTION AND TRIMMING, PAVEMENT COURSED SHALL COMPLY WITH THE TOLERANCES ITEMISED IN THE TABLE BELOW. SURFACE SHAPE BE SUCH THAT WATER CANNOT ACCUMULATE AT ANY POINT. WHERE PAVEMENT ABUTS A GUTTER, THE SURFACE LEVEL AT THE EDGE SHALL BE WITHIN ± 5mm OF THE ACTUAL CONCRETE LEVEL WHERE SEALING IS SPECIFIED OR SUCH LOWER LEVEL AS IS NECESSARY TO ACCOMMODATE THE SPECIFIED THICKNESS OF ASPHALTIC CONCRETE SURFACING.

IABLE						
ITEM		TOLERANCE				
BASECOURSE	LEVEL:	± 5mm				
	THICKNESS:	± 5mm				
	STRAIGHTNESS:	10mm MAXIMUM DEPARTURE FROM 3m				
		STRAIGHTEDGE BOTH WAYS				
SUB-BASE	THICKNESS:	+10mm				
		-5mm				
TOTAL PAVEMENT	THICKNESS:	+10mm IF SELECT MATERIAL IS ABSENT				
LAYERS OVER SUBGRADE		-5mm IF PAVEMENT INCLUDES SELECT MATERIAL				
TOTAL PAVEMENT		-5mm +10mm IF SELECT MATERIAL IS ABSENT				

SUBGRADE PREPARATION

- MATERIALS.
- 2. STRIP TOPSOIL, AVERAGE 100mm THICK AND STOCKPILE FOR REUSE OR REMOVE OFF SITE AS DIRECTED BY THE SUPERINTENDENT.
- 3. PROOF ROLL TO BE INSPECTED BY GEOTECHNICAL ENGINEER. REMOVE AND REPLACE SOFT AREAS WITH APPROVED GRANULAR MATERIALS.
- 4. PLACE APPROVED NON ORGANIC FILL WITH A MAXIMUM PARTICLE SIZE OF 20mm AND COMPACT IN 150mm MAXIMUM THICK LAYERS 5. COMPACTING IT TO BE CARRIED OUT BY ROLLING AT OPTIMUM
- MOISTURE CONTENT TO OBTAIN A DENSITY EQUIVALENT TO 98% IF MAXIMUM DRY WHEN TESTED BY THE STANDARD COMPACTION TEST FROM AS1289.5.1.1
- 6. COMPACTION SHALL BE CARRIED OUT WITH A VIBRATING ROLLER WITH AT LEAST 8 TONNE STATIC WEIGHT.
- 7. TESTING OF THE SUBGRADE SHALL BE CARRIED OUT BE AN APPROVED N.A.T.A. REGISTERED LABORATORY

CONCRETE NOTES

CARRY OUT ALL CONCRETE WORK IN ACCORDANCE WITH AS3600-1994 AND THE SPECIFICATION. KEEP A COPY OF THESE

VERIFY ALL SETTING OUT DIMENSIONS WITH THE ARCHITECT AND OR THE SURVEYOR.

DO NOT OBTAIN DIMENSIONS BY SCALING THE DRAWINGS. IN CASE

CONCRETE

PLACE CONCRETE OF THE FOLLOWING CHARACTERISTIC COMPRESSIVE STRENGTH F'c AS DEFINED IN AS3600-1994 OR RTA

LOCATION	AS3600 F'c MPa AT 28 DAYS
ALL KERBS	25
FOOT PAVING PITS, ETC	32
VEHICULAR PAVING	REFER TO CONCRETE PAVEMENT NOTES BELOW

PLASTIC AND KEEPING SURFACE MOIST FOR 7 DAYS MIN. REINFORCEMENT FIX REINFORCEMENT AS SHOWN ON DRAWINGS. THE TYPE AND

STRUCTURES - 30mm WHEN CAST IN FORMS BUT LATER EXPOSED TO WEATHER OR GROUND - 65mm WHEN CAST DIRECTLY IN CONTACT WITH

OTHER MATTERS

ACCEPTABLE RECEPTACLES WILL BE PROVIDED FOR CONCRETE AND MORTAR SLURRIES, PLANTS, ACID WASHINGS, LIGHT-WEIGHT WASTE

ANY EXISTING TREES WHICH FORM PART OF THE FINAL LANDSCAPING PLAN WILL BE PROTECTED FROM CONSTRUCTION ACTIVITIES BY: A). PROTECTING THEM WITH BARRIER FENCING OR SIMILAR MATERIALS INSTALLED OUTSIDE THE DRIP LINE.

B). ENSURING THAT NOTHING IS NAILED TO THEM. C). PROHIBITING PAVING, GRADING, SEDIMENT WASH OR PLACING OF

CONDITIONS: (1). ENCROACHMENT ONLY OCCURS ON ONE SIDE AND NO CLOSER TO THE TRUCK THAN EITHER 1.5 METRES OR HALF THE DISTANCE BETWEEN THE OUTER EDGE OF THE DRIP LINE AND THE

TRUNK. WHICH EVER IS GREATER. (2). A DRAINAGE SYSTEM THAT ALLOWS AIR AND WATER TO CIRCULATE THROUGH THE ROOT ZONE (e.g.: GRAVEL BED) IS PLACED UNDER ALL FILL LAYERS OF MORE THAN 300mm DEPTH. (3). CARE IS TAKEN NOT TO CUT ROOTS UNNECESSARILY NOR TO COMPACT THE SOIL AROUND THEM.

SURVEY NOTES

DRAWINGS HAVE BEEN INVESTIGATED BY:

RPS AUSTRALIA EAST PTY LTD

THE INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN. EWFW PTY LTD DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THE SURVEY BASE OR IT'S SUITABILITY AS A BASIS FOR CONSTRUCTION DRAWINGS. SHOULD DISCREPANCIES BE ENCOUNTERED DURING CONSTRUCTION BETWEEN THE SURVEY DATA AND ACTUAL FIELD DATA, CONTACT EWFW PTY LTD. THE FOLLOWING NOTES HAVE BEEN TAKEN DIRECTLY FROM

ORIGIN OF LEVELS. DATUM.

CONTOUR INTERVAL.

DOCUMENTS ON SITE.

OF DOUBT - ASK.

FORM 609. ADD WATER REDUCING ADMIXTURE EQUAL TO WRDA.

LOCATION	AS3600 F'c MPa AT 28 DAYS
ALL KERBS	25
FOOT PAVING	32
PITS, ETC	
VEHICULAR PAVING	REFER TO CONCRETE PAVEMENT NOTES BELOW

USE "A.C.S.E. SPECIFICATION TYPE GP" CEMENT ALL CONCRETE SHALL BE SUBJECT TO PROJECT CONTROL SAMPLE AND TESTING TO AS3600-1994. CONSOLIDATE BY VIBRATION. CURE SURFACES BY COVERING WITH

GRADE IS INDICATED BY A SYMBOL AS SHOWN BELOW. N. -HOT ROLLED DEFORMED BAR. GRADE 500 R. - PLAIN ROUND BAR. GRADE 250. SL or RL. - HARD DRAWN WIRE FABRIC SQUARE OR RECTANGULAR. PROVIDE BAR SUPPORTS OR SPACERS TO GIVE THE FOLLOWING CONCRETE COVER TO ALL REINFORCEMENT UNLESS NOTED

OTHERWISE. FOOTINGS - 75mm BOTTOM, 65mm TOP, 40mm SIDES SLABS - 40mm WHEN EXPOSED TO WEATHER DRAINAGE

GROUND

MATERIALS AND LITTER.

STOCKPILES WITHIN THE DRIP LINE UNDER THE FOLLOWING

THE EXISTING SITE CONDITIONS SHOWN ON THE FOLLOWING

SUITE 404 29-31 LEXINGTON DRIVE BAULKHAM HILLS NSW 2153 TEL. 02 8884 6900

ORIGINAL SURVEY DOCUMENTS:

AHD COORDINATE SYSTEM MGA

BITUMEN SEAL NOTES

PAVEMENT PREPARATION

THE EXISTING SURFACE TO BE SEALED SHALL BE DRY AND BROOMED BEFORE COMMENCEMENT OF WORK TO ENSURE COMPLETE REMOVAL OF ALL SUPERFICIAL FOREIGN AND LOOSE MATTER. ALL DEPRESSIONS OR UNEVEN AREAS ARE TO BE TACK-COATED AND BROUGHT UP TO GENERAL LEVEL OF PAVEMENT WITH ASPHALTIC CONCRETE BEFORE LAYING OF MAIN COURSE. BITUMINOUS FLUSH SEAL

CONSTRUCT BITUMINOUS SINGLE COAT FLUSH SEAL TO BASECOURSE MATERIAL FOR PROTECTION OF PAVEMENT DURING CONSTRUCTION.

BINDER SHALL BE CLASS 170 TO AS2008.

DELAYED MORE THAN 8 MINUTES.

SINGLE SEAL OR

AGGREGATE SHALL BE SINGLE SIZED 10mm WITH AVERAGE LEAST DIMENSION OF 5mm. AGGREGATE SHAPE, DURABILITY AND WET TO WET/DRY STRENGTH SHALL COMPLY WITH AS2758 FOR CLASS 'N' AGGREGATES. A 20kg SAMPLE TO BE APPROVED BY THE CONSTRUCTION MANAGER PRIOR TO USE. SEALING TO BE CARRIED OUT IN THE PRESENCE OF THE SUPERINTENDENT. COVER AGGREGATE SHALL BE SPREAD IMMEDIATELY AFTER

APPLICATION RATES: | BINDER | COVER | AGGREGATE L/m² SIZE mm RATE m/m FIRST SEAL 80 SECOND SEAL 0.5 160

SPRAYING OF BINDER. IN NO CASE SHALL THE SPREADING BE

RESEAL ALL SPRAY RECORDS AND AGGREGATE SUPPLY TONNAGE RECEIPTS SHALL BE RETAINED AND PASSED ON TO THE SUPERINTENDENT AS PART OF THE QUALITY ASSURANCE PROCEDURES. GENERALLY FLUSH SEALING SHALL BE CARRIED OUT COMPLETE AND IN ACCORDANCE WITH THE RELEVANT RTA STANDARDS AND SPECIFICATIONS

0.75

STORMWATER DRAINAGE NOTES

- 1. THE STORMWATER DESIGN SHOWN ON THESE DRAWINGS HAS BEEN CARRIED OUT IN ACCORDANCE WITH AUSTRALIAN RAINFALL AND RUNOFF (AR&R) GUIDELINES.
- 2. PIPES 300Ø AND LARGER TO BE REINFORCED CONCRETE CLASS '3' APPROVED SPIGOT AND SOCKET WITH RUBBER RING JOINTS UNLESS NOTED OTHERWISE (UNO).
- 3. PIPES UP TO 300Ø SHALL BE SEWER GRADE UPVC WITH SOLVENT WELDED JOINTS.
- 4. EQUIVALENT STRENGTH VCP OR FRC PIPES MAY BE USED SUBJECT TO APPROVAL. 5. PIPES SHALL BE LAID ON A 75mm THICK SAND BED. IN ALL CASES
- BACKFILL TRENCH WITH SAND TO 200mm ABOVE THE PIPE. WHERE PIPE IS UNDER PAVEMENTS WITH SAND OR APPROVED GRANULAR MATERIAL. COMPACT IN 150mm LAYERS TO MINIMUM 98%
- MODIFIED MINIMUM DRY DENSITY IN ACCORDANCE WITH AS12895.2.1 (OR A DENSITY INDEX OF NOT LESS THAN 75). 6. WHERE TRENCHES ARE IN ROCK THE PIPE SHALL BE BEDDED ON A MINIMUM OF 50mm CONCRETE BED (OR 75mm BED OF 12mm
- BLUE METAL) UNDER THE BARREL OF THE PIPE. . ENLARGERS, CONNECTORS AND JUNCTIONS TO BE PRECAST FITTINGS WHERE PIPES ARE LESS THAN 300Ø.
- 8. WHERE SUBSOIL DRAINS PASS UNDER THE FLOOR SLABS AND VEHICULAR PAVEMENTS, UNSLOTTED UPVC SEWER GRADE PIPES ARE TO BE USED. 9. CARE IS TO BE TAKEN WITH LEVELS OF STORMWATER LINES.
- GRADES SHOWN ARE NOT TO BE REDUCED WITHOUT APPROVAL. 10. ALL GRATES TO BE CLASS 'D' U.N.O. GRATES AND COVERS SHALL CONFORM TO AS3996-1992.
- 11. AT ALL TIMES DURING CONSTRUCTION OF THE STORMWATER PITS, ADEQUATE SAFETY PROCEDURES SHALL BE IMPLEMENTED TO PREVENT PERSONNEL FALLING INTO PITS.
- 12. EXISTING STORMWATER PIPE LOCATIONS AND INVERT LEVELS TO BE CONFIRMED PRIOR TO COMMENCEMENT OF CONSTRUCTION. 13. ALL EXISTING STORMWATER DRAINAGE LINES AND PITS THAT ARE TO REMAIN ARE TO BE INSPECTED AND CLEANED. DURING THIS

THAT WARRANTS REPAIR SHALL BE REPORTED TO THE

PROCESS ANY PART OF THE STORMWATER DRAINAGE SYSTEM

SUPERINTENDENT FOR FURTHER DIRECTIONS.

14. CONTRACTOR TO ALLOW FOR DEWATERING.

120

MINERAL AGGREGATES TO COMPLY WITH CLAUSE 3 MATERIALS R.M.S. FORM 962 "SPECIFICATION FOR THE SUPPLY AND DELIVERY OF AGGREGATE FOR USE IN PLANT MIX. MINERAL FILLERS TO COMPLY WITH AS2357-1980 MINERAL FILLERS

ASPHALTIC CONCRETE NOTES

FOR ASPHALT. BITUMEN BINDER SHALL COMPLY WITH R.M.S. FORM 337-"SPECIFICATION FOR RESIDUAL BITUMEN". MIX PROPORTIONS

MINIMUM BITUMEN CONTENT (5.1%) BY MASS OF TOTAL MASS. MIX STABILITY - BETWEEN 16kN AND 36kN AS DETERMINED BY R.M.S. TEST METHOD T601, T605 AND T606.

JOB MIX - 10mm (SOMETIMES VARIES) NOMINAL SIZE AGGREGATE

AIR VOID IN COMPACTED MIX BETWEEN 4% AND 7% OF THE MIX VOLUME. VOIDS FILLED IN BINDER 65-80% OF AIR VOIDS IN THE TOTAL MINERAL AGGREGATE FILLED BY BINDER IN ACCORDANCE WITH R.M.S. TEST

PAVEMENT PREPARATION THE EXISTING SURFACE TO BE SEALED, SHALL BE DRY AND BROOMED BEFORE COMMENCEMENT OF WORK TO ENSURE COMPLETE REMOVAL OF ALL SUPERFICIAL FOREIGN MATTER ALL DEPRESSIONS OR UNEVEN AREA ARE TO BE TACK-COATED AND

BROUGHT UP TO GENERAL LEVEL OF PAVEMENT WITH ASPALTIC

CONCRETE BEFORE LAYING OF MAIN COURSE. TACK COAT THE WHOLE OF THE AREA TO BE SHEETED WITH ASPHALTIC CONCRETE SHALL BE LIGHTLY AND EVENLY COATED WITH RAPID SETTING BITUMEN COMPLYING WITH R.M.S. FORM 305. APPLICATION RATE FOR RESIDUAL BITUMEN SHALL BE 0.15 TO 0.30 LITRES PER SQUARE METRE. APPLICATION SHALL BE BY MEANS OF A

MECHANICAL SPRAYER WITH SPRAY BAR. SPREADING

AS SHOWN BELOW,

METHOD T601, T605 AND T606.

ALL ASPHALTIC CONCRETE SHALL BE SPREAD WITH A SELF PROPELLED PAVING MACHINE. THE ASPHALTIC CONCRETE SHALL BE LAID AT A MIX TEMPERATURE

ROAD SURFACE TEMPERATURE IN SHADE (°C)	MIX TEMPERATURES (°C)
5 - 10	NOT PERMITTED
10 - 15	150
15 - 25	145
OVER 25	140

SURFACE IS WET OR WHEN COLD WINDS CHILL THE MIX TO ADVERSELY AFFECT SPREADING AND COMPACTION. THE MINIMUM COMPACTED THICKNESS IS 30mm OVER EXISTING SEALED PAVEMENTS AND 50mm OVER NEW PAVEMENTS

ASPHALTIC CONCRETE SHALL NOT BE LAID WHEN THE ROAD

THE NUMBER OF JOINTS WITH LONGITUDINAL AND TRANSVERSE SHALL BE KEPT TO MINIMUM.

THE DENSITY AND SURFACE FINISH AT JOINTS SHALL BE SIMILAR TO THOSE OF THE REMAINDER OF THE LAYER.

ALL COMPACTION SHALL BE UNDERTAKEN USING SELF PROPELLED ROLLERS. INITIAL ROLLING SHALL BE COMPLETED BEFORE THE MIX

TEMPERATURE FALLS BELOW 105°C. SECONDARY ROLLING SHALL BE COMPLETED BEFORE THE MIX TEMPERATURE FALLS BELLOW 60°C.

MINIMUM CHARACTERISTIC VALUE OF RELATIVE COMPACTION OF A

LOT WHEN TESTED IN ACCORDANCE WITH R.M.S. FORM 612 SHALL BE

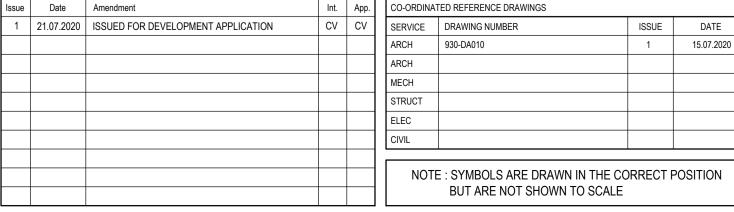
8. FINISHED PAVEMENT PROPERTIES FINISHED SURFACES SHALL BE SMOOTH, DENSE AND TRUE TO SHAPE AND SHALL NOT VARY MORE THE 10mm FROM SPECIFIED PLAN LEVELS AT ANY POINT AND, SHALL NOT DEVIATE FROM THE BOTTOM

OF A 3m STRAIGHT EDGE LAID IN ANY DIRECTION BY MORE THE 5mm.

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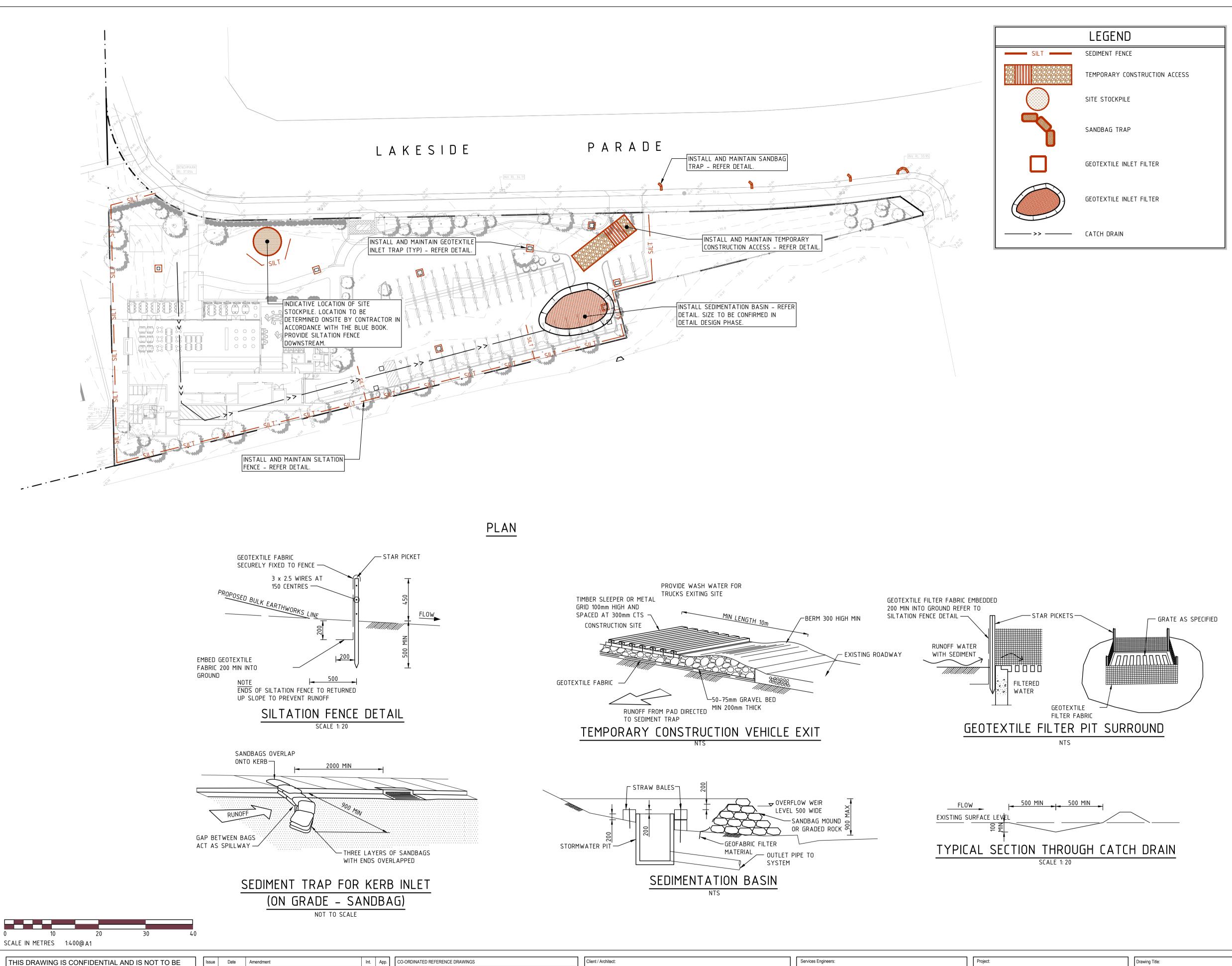
JORDAN SPRINGS TAVERN

LOT 3989 OF DP 1190132

CIVIL **SPECIFICATION NOTES** SHEET

North Point: CV Design Validated: mendment Approved: CV JULY 2020 21933-001 - C - 001-DA- 1

FILE NAME & PATH: W:\219xx\219xx\21933 - Jordan Springs Tavern\001 - Design Services\CAD\Design\Civil\21933-C-001-DA-Specification Notes.dwg PLOTTED BY: 'christopher.veleski' PLOT DATE & TIME: 22 Jul, 2020 - 5:46am



NOTES

1. ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE

(A) LOCAL AUTHORITY REQUIREMENTS,

(B) EPA - POLLUTION CONTROL MANUAL FOR URBAN STORMWATER, (C) LANDCOM NSW - MANAGING URBAN STORMWATER: SOILS AND CONSTRUCTION ("BLUE BOOK").

2. EROSION AND SEDIMENT CONTROL DRAWINGS AND NOTES ARE PROVIDED FOR THE WHOLE OF THE WORKS. SHOULD THE CONTRACTOR STAGE THESE WORKS THEN THE DESIGN MAY BE REQUIRED TO BE MODIFIED. VARIATION TO THESE DETAILS MAY REQUIRE APPROVAL BY THE RELEVANT AUTHORITIES. THE EROSION AND SEDIMENT CONTROL PLAN SHALL BE IMPLEMENTED AND ADOPTED TO MEET THE VARYING SITUATIONS AS WORK ON SITE PROGRESSES.

3. MAINTAIN ALL EROSION AND SEDIMENT CONTROL DEVICES TO THE SATISFACTION OF THE SUPERINTENDENT AND THE LOCAL AUTHORITY. 4. WHEN STORMWATER PITS ARE CONSTRUCTED PREVENT SITE RUNOFF ENTERING THE PITS UNLESS SILT FENCES ARE ERECTED

AROUND PITS. 5. MINIMISE THE AREA OF SITE BEING DISTURBED AT ANY ONE TIME. 6. PROTECT ALL STOCKPILES OF MATERIALS FROM SCOUR AND EROSION. DO NOT STOCKPILE LOOSE MATERIAL IN ROADWAYS, NEAR

DRAINAGE PITS OR IN WATERCOURSES. 7. ALL SOIL AND WATER CONTROL MEASURES ARE TO BE PUT BACK IN PLACE AT THE END OF EACH WORKING DAY, AND MODIFIED TO BEST SUIT SITE CONDITIONS.

8. CONTROL WATER FROM UPSTREAM OF THE SITE SUCH THAT IT DOES NOT ENTER THE DISTURBED SITE.

9. ALL CONSTRUCTION VEHICLES SHALL ENTER AND EXIT THE SITE VIA THE TEMPORARY CONSTRUCTION ENTRY/EXIT. 10. ALL VEHICLES LEAVING THE SITE SHALL BE CLEANED AND INSPECTED BEFORE LEAVING.

11. MAINTAIN ALL STORMWATER PIPES AND PITS CLEAR OF DEBRIS AND SEDIMENT. INSPECT STORMWATER SYSTEM AND CLEAN OUT AFTER EACH STORM EVENT.

12. CLEAN OUT ALL EROSION AND SEDIMENT CONTROL DEVICES AFTER EACH STORM EVENT.

SEQUENCE OF WORKS

1. PRIOR TO COMMENCEMENT OF EXCAVATION THE FOLLOWING SOIL MANAGEMENT DEVICES MUST BE INSTALLED.

1.1. CONSTRUCT SILT FENCES BELOW THE SITE AND ACROSS ALL POTENTIAL RUNOFF SITES.

1.2. CONSTRUCT TEMPORARY CONSTRUCTION ENTRY/EXIT AND DIVERT RUNOFF TO SUITABLE CONTROL SYSTEMS. 1.3. CONSTRUCT MEASURES TO DIVERT UPSTREAM FLOWS INTO

EXISTING STORMWATER SYSTEM.

1.4. CONSTRUCT SEDIMENTATION TRAPS/BASIN INCLUDING OUTLET CONTROL AND OVERFLOW.

1.5. CONSTRUCT TURF LINED SWALES. 1.6. PROVIDE SANDBAG SEDIMENT TRAPS UPSTREAM OF EXISTING PITS.

2. CONSTRUCT GEOTEXTILE FILTER PIT SURROUND AROUND ALL PROPOSED PITS AS THEY ARE CONSTRUCTED.

3. ON COMPLETION OF PAVEMENT PROVIDE SAND BAG KERB INLET SEDIMENT TRAPS AROUND PITS.

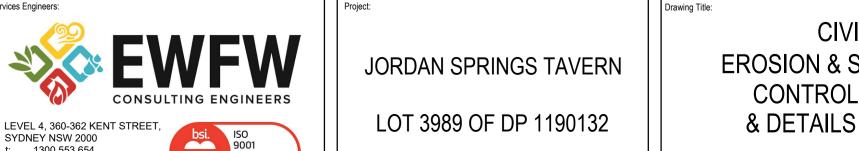
4. PROVIDE AND MAINTAIN A STRIP OF TURF ON BOTH SIDES OF ALL

ROADS AFTER THE CONSTRUCTION OF KERBS.

PUMP OUT NOTES

ANY ACCUMULATED WATER CONTAMINATED WITH SEDIMENT, FROM A SEDIMENT BASIN OR EXCAVATION PIT, IS TO BE FLOCCULATED OR FILTERED IN ORDER TO LOWER THE SUSPENDED SOLID LOAD TO LESS THAN 50MG PER LITRE

GYPSUM GAS OR OTHER APPROVED FLOCCULANT SHOULD BE APPLIED WITHIN 24 HOURS OF THE END OF THE STORM EVENT. THE GYPSUM MUST BE SPREAD EVENLY OVER THE ENTIRE WATER SURFACE. PUMPING IS NOT TO OCCUR FOR AT LEAST 36 HOURS AND PREFERABLY 48 HOURS AFTER APPLICATION. CLEAN WATER IS TO BE DISCHARGED TO THE WATER TABLE VIA A HALE BAIL SEDIMENT FILTER IN A WAY THAT DOES NOT PICK UP SEDIMENT THAT HAS DROPPED TO THE BOTTOM. NOTE: GYPSUM IS A HYDRATED FORM OF CALCIUM SULPHATE AND IS AVAILABLE AT MANY SWIMMING POOL SHOPS AND HARDWARE STORES.



CIVIL **EROSION & SEDIMENT CONTROL PLAN** & DETAILS SHEET

CV Design Validated: mendment Approved: CV JULY 2020 1:400 @ A1

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FILE NAME & PATH: W:\219xx\21933 - Jordan Springs Tavern\001 - Design Services\CAD\Design\Civil\21933-C-100-DA-Erosion and Sediment Control Plan.dwg PLOTTED BY: 'christopher.veleski' PLOT DATE & TIME: 22 Jul, 2020 - 5:36am

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ISSUE DATE

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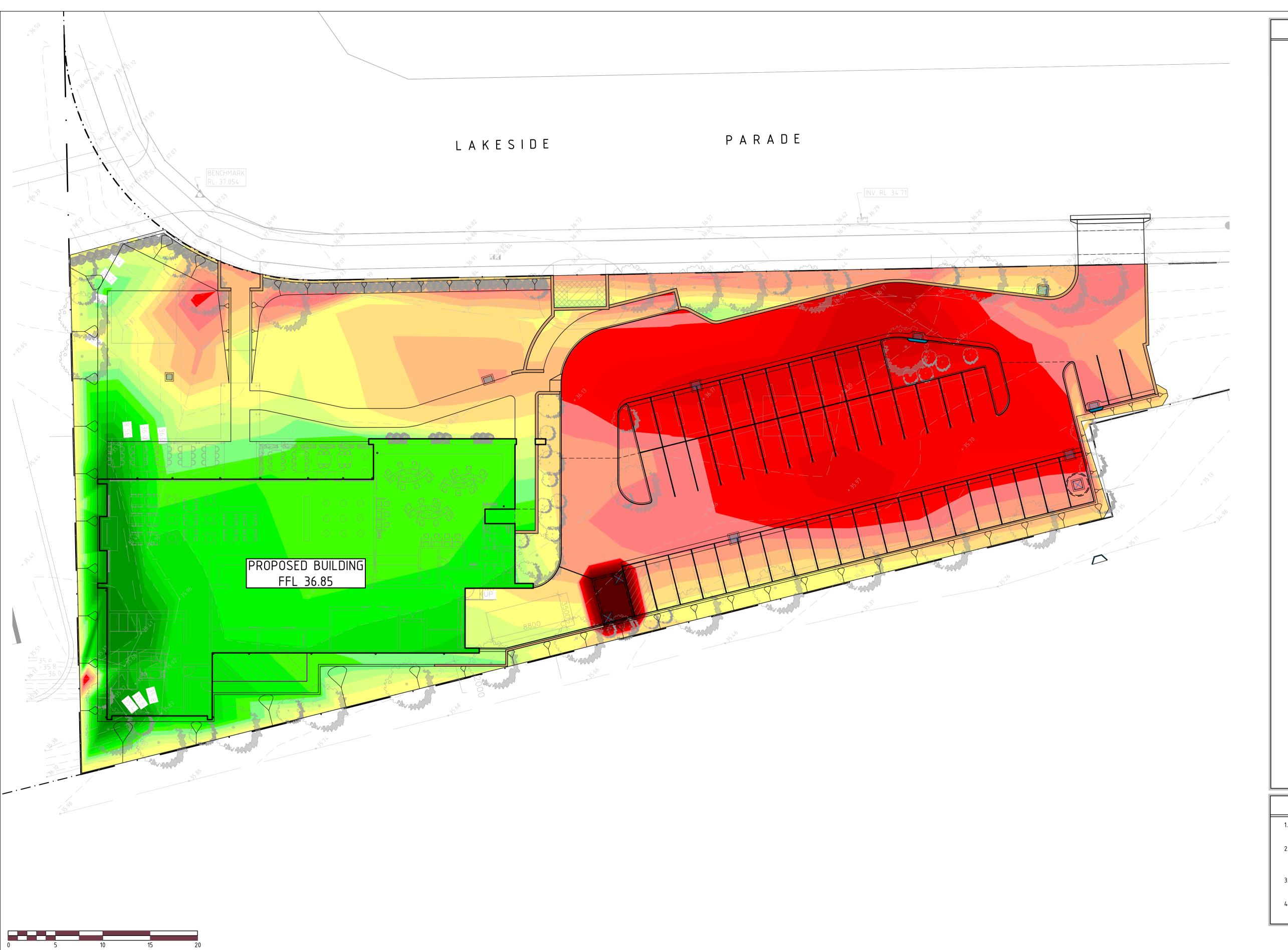
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CV CV



NOTES

- 1. PLAN IS PRELIMINARY AND SHOULD NOT BE READ AS FINAL DEPTHS AND VOLUMES. PRICING ON THESE VOLUMES IS AT TENDERERS OWN RISK.
- 2. PRELIMINARY EARTHWORKS VOLUMES:
- 2.1. CUT = 870cu.m 2.2. FILL = 850cu.m
- 2.3. EXPORT = 20cu.m
- 3. VOLUMES ARE BASED ON PAVEMENT PROFILES NOMINATED IN DETAILS SHEET AND A STRUCTURAL BUILDING SLAB PROFILE OF

LEGEND

Cut greater than -2 m

-2 to -1.8 m

–1.8 to –1.6 m

-1.6 to -1.4 m

–1.4 to –1.2 m

–1.2 to –1 m

-1 to -.9 m

-.9 to -.8 m

-.8 to -.7 m

-.7 to -.6 m

-.6 to -.5 m

-.5 to -.4 m

-.4 to -.3 m

-.3 to -.2 m

-.2 to -.1 m

-.1 to 0 m

0 to .1 m

.1 to .2 m

.2 to .3 m

.3 to .4 m

.4 to .5 m

.5 to .6 m

.6 to .7 m

.7 to .8 m

.8 to .9 m

1 to 1.2 m

1.2 to 1.4 m

1.4 to 1.6 m

1.6 to 1.8 m

1.8 to 2 m

Fill greater than 2 m

to 1 m

4. VOLUMES DO NOT ACCOUNT FOR ANY BULKING OR COMPACTION FACTORS OF THE SOILS.

SCALE IN METRES 1:200@ A1

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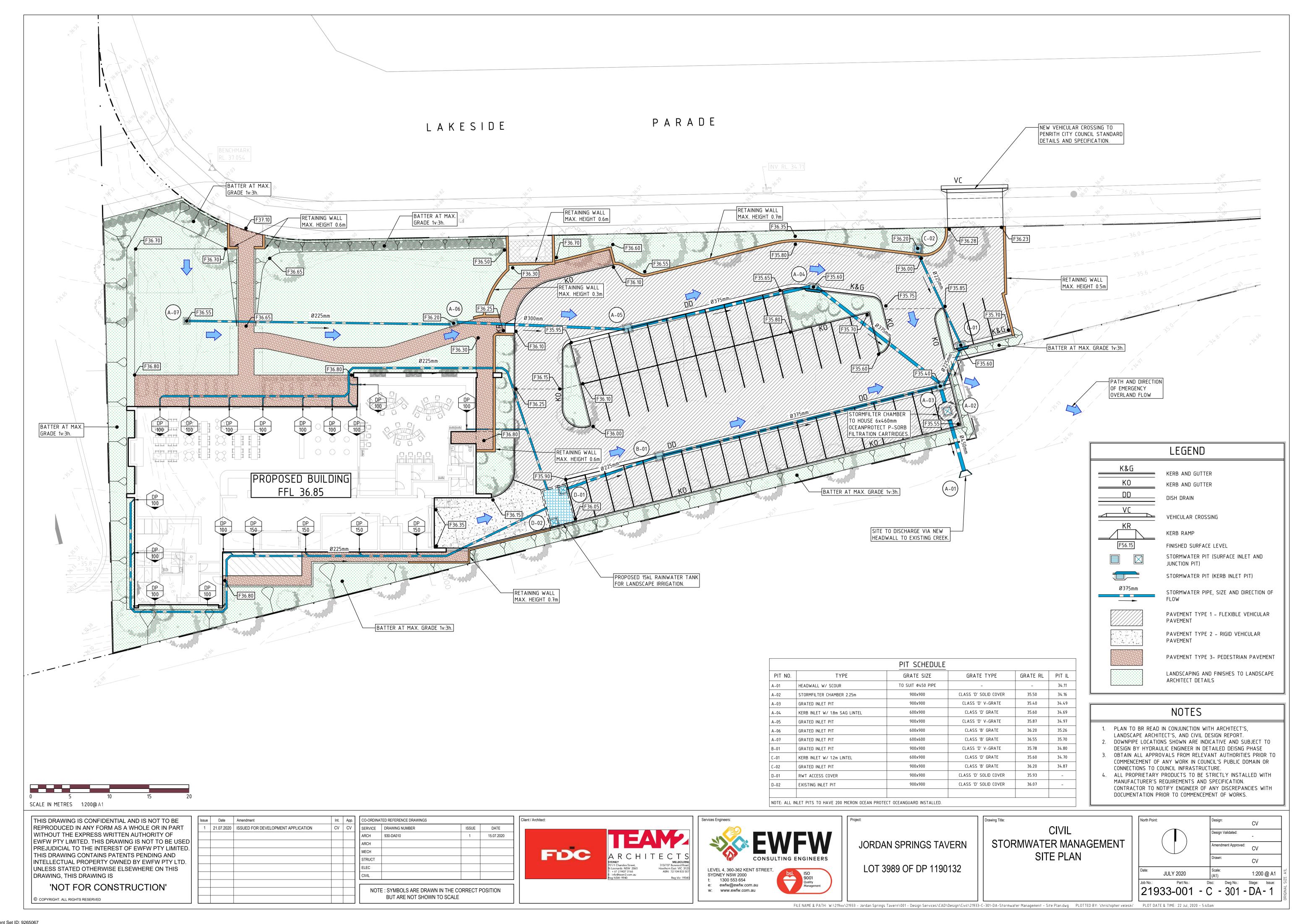
JORDAN SPRINGS TAVERN LOT 3989 OF DP 1190132

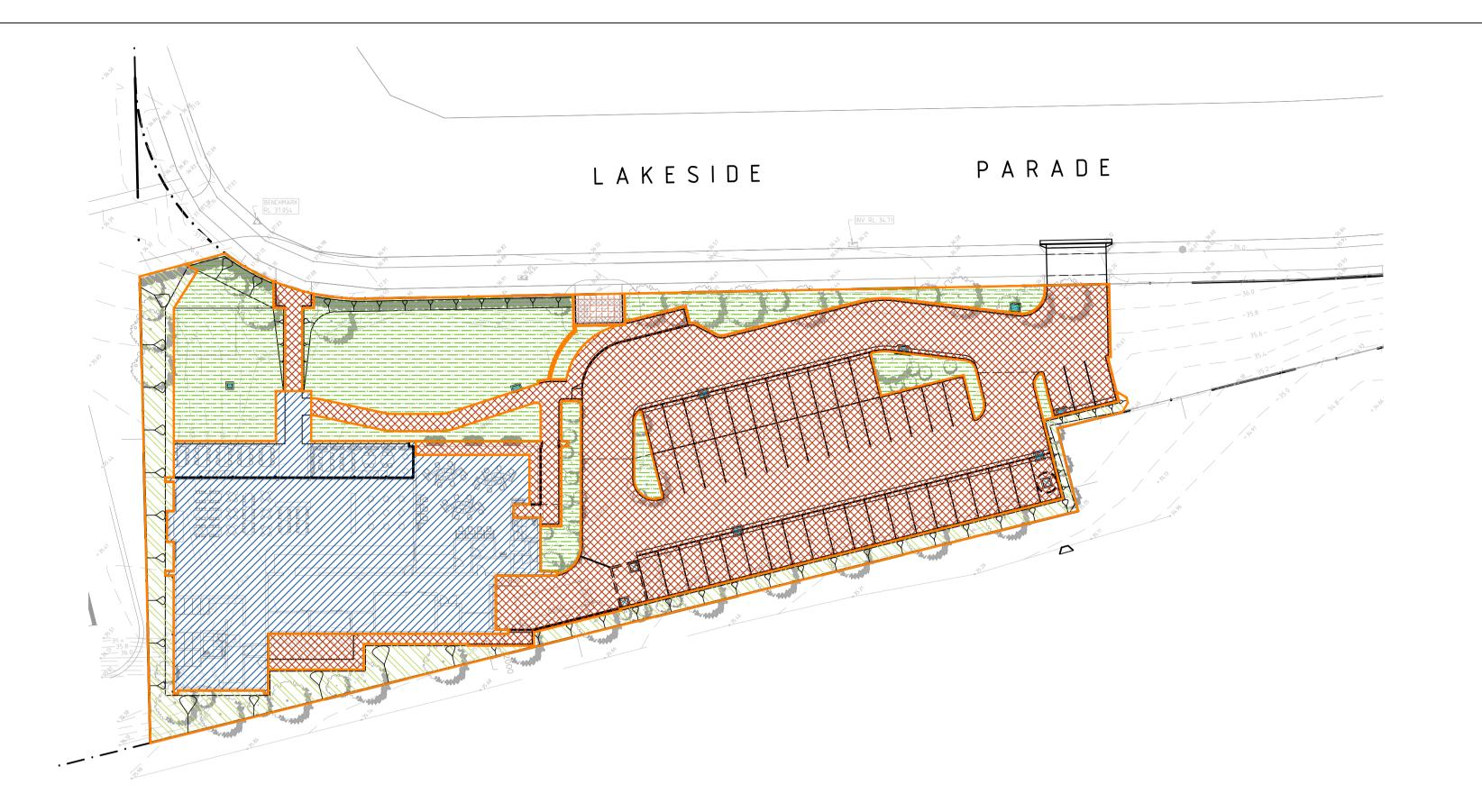
CIVIL **BULK EARTHWORKS** CUT TO FILL PLAN

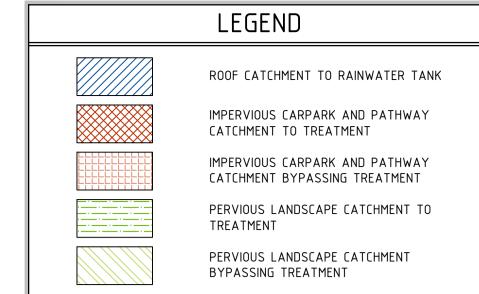
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Date:	JULY 2020	Scale: (A1)	1:200 @ A1

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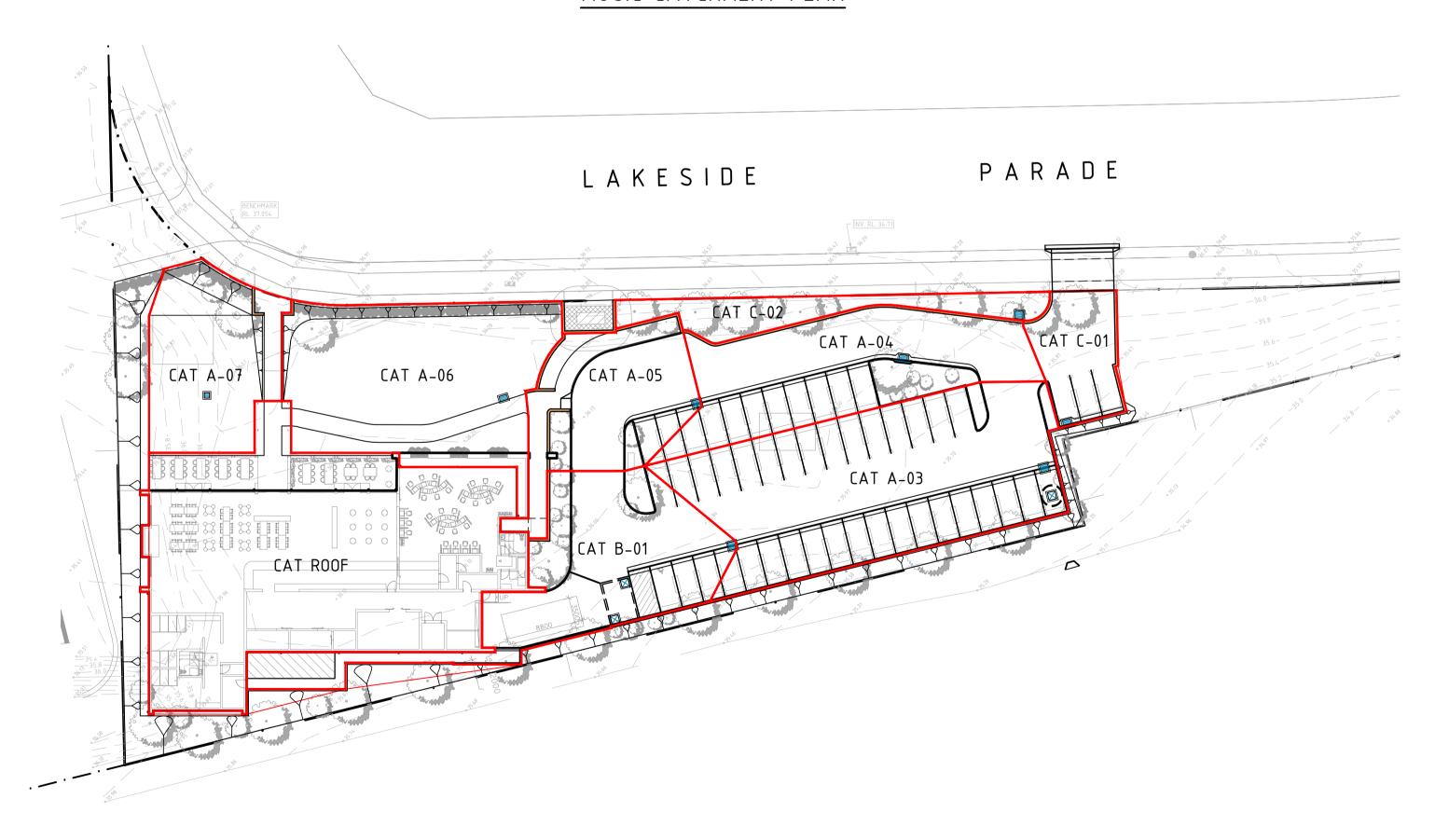
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MUSIC CATCHMENT PLAN



LEGEND

CATCHMENT BOUNDARY

DRAINS CATCHMENT PLAN

0 10 20 30 40 SCALE IN METRES 1:400@A1

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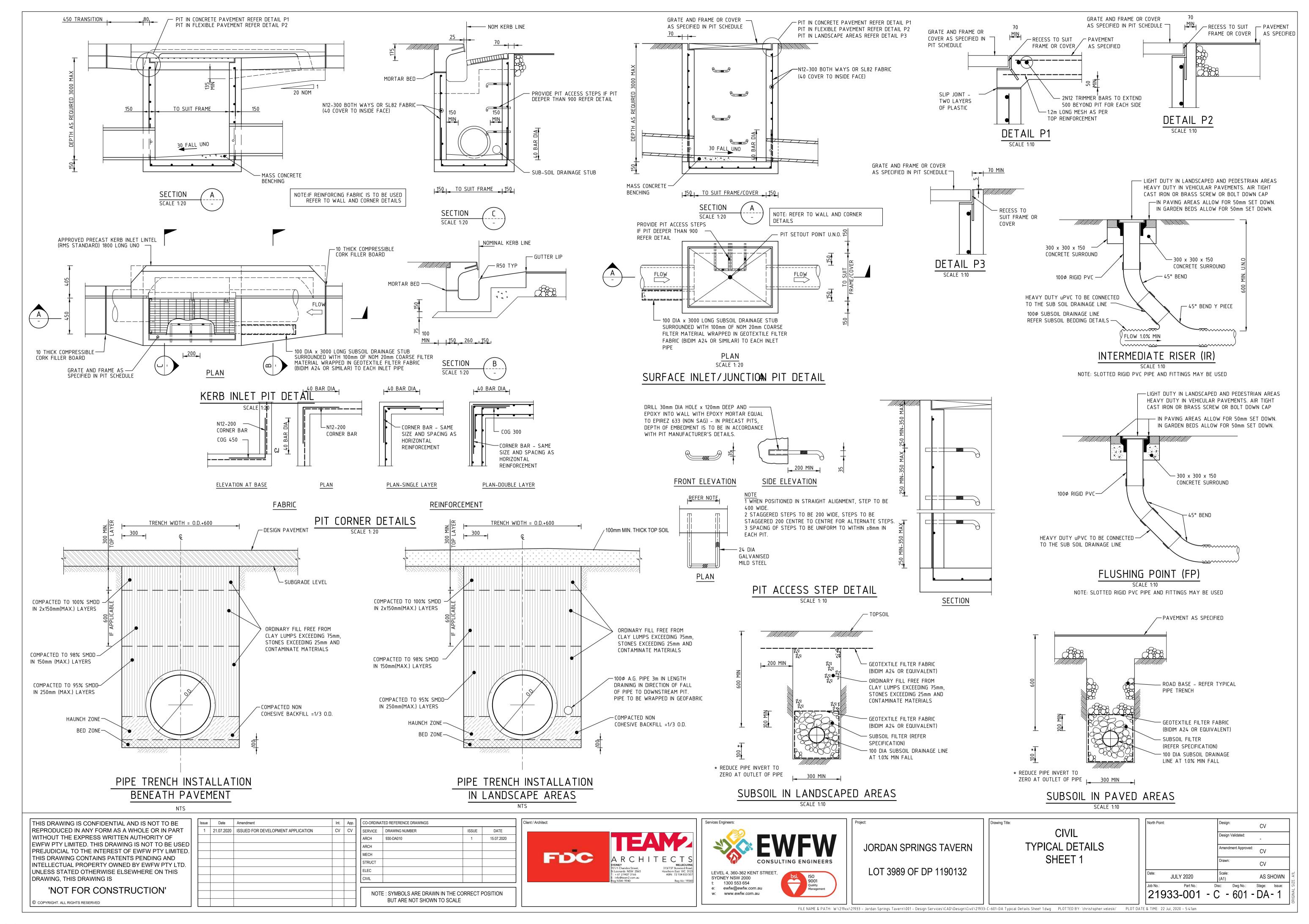
JORDAN SPRINGS TAVERN
LOT 3989 OF DP 1190132

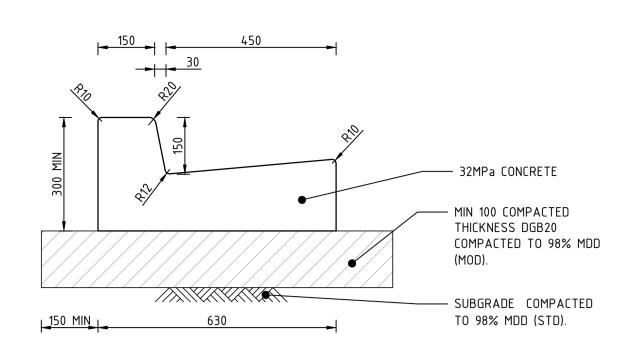
CIVIL
STORMWATER MANAGEMENT
CATCHMENT PLAN

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FILE NAME & PATH: W:\219xx\21933 - Jordan Springs Tavern\001 - Design Services\CAD\Design\Civil\21933-C-351-DA-Stormwater Management — Catchment Plan.dwg PLOTTED BY: 'christopher.veleski' PLOT DATE & TIME: 22 Jul, 2020 - 5:40am

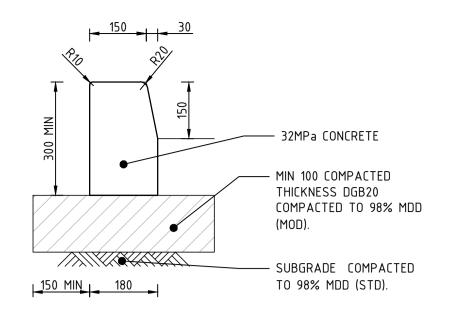




KERB AND GUTTER (K&G) DETAIL

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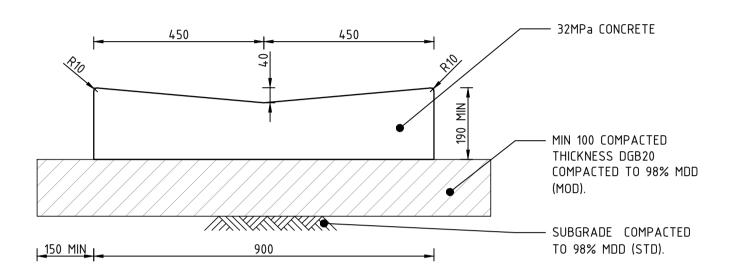
NOTE: PROVIDE 12mm CORK FILLER BOARD FOR FULL DEPTH WITH JOINT SEALEANT AT 3m CTRS.



KERB ONLY (K0) DETAIL

SCALE 1:10

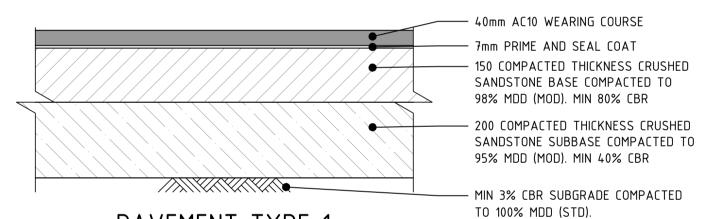
NOTE: PROVIDE 12mm CORK FILLER BOARD FOR FULL DEPTH WITH JOINT SEALEANT AT 3m CTRS.



DISH DRAIN (DD) DETAIL

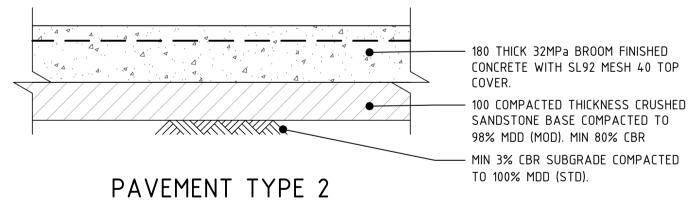
SCALE 1:10

NOTE: PROVIDE 12mm CORK FILLER BOARD FOR FULL DEPTH
WITH JOINT SEALEANT AT 3m CTRS.



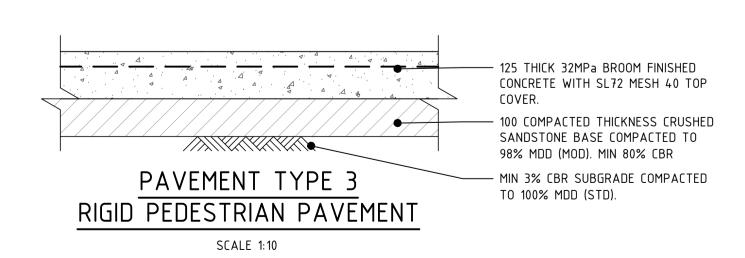
PAVEMENT TYPE 1 FLEXIBLE VEHICULAR PAVEMENT

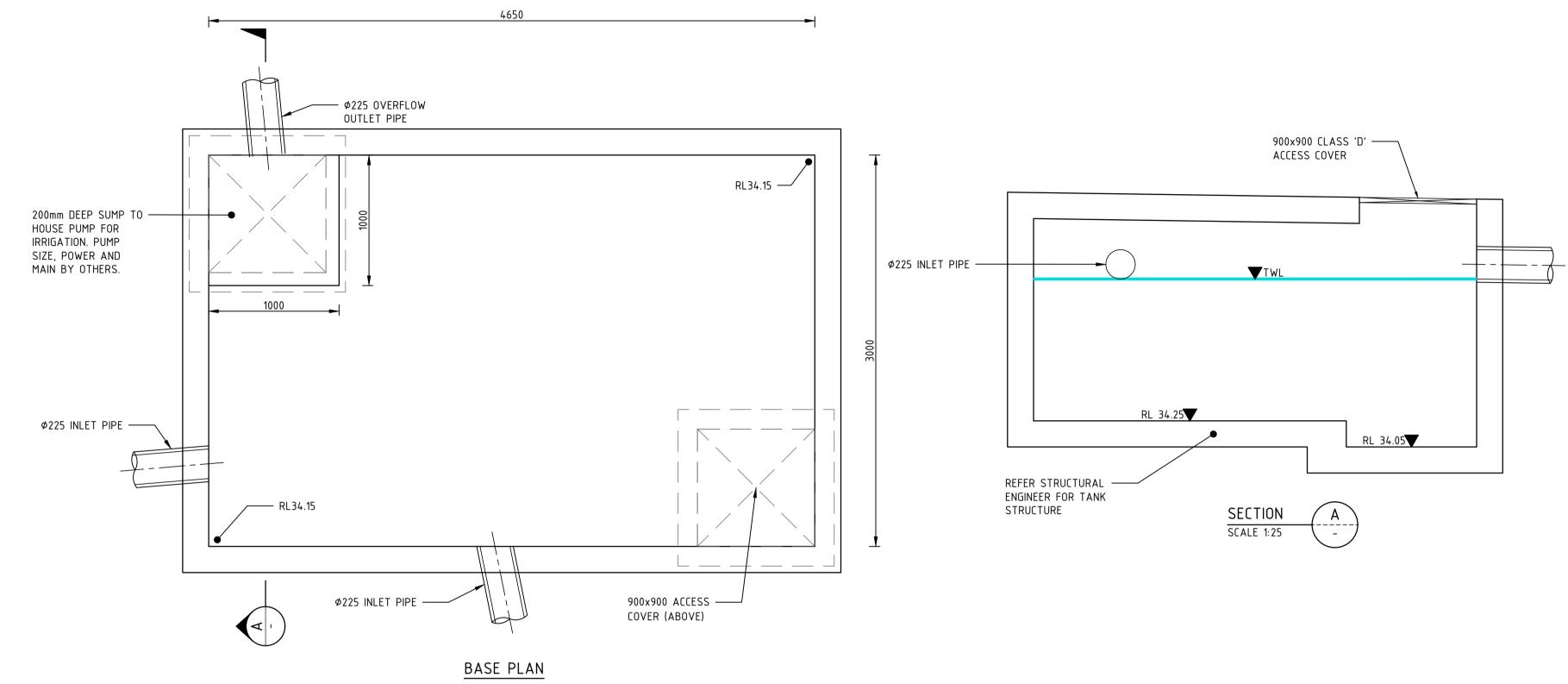
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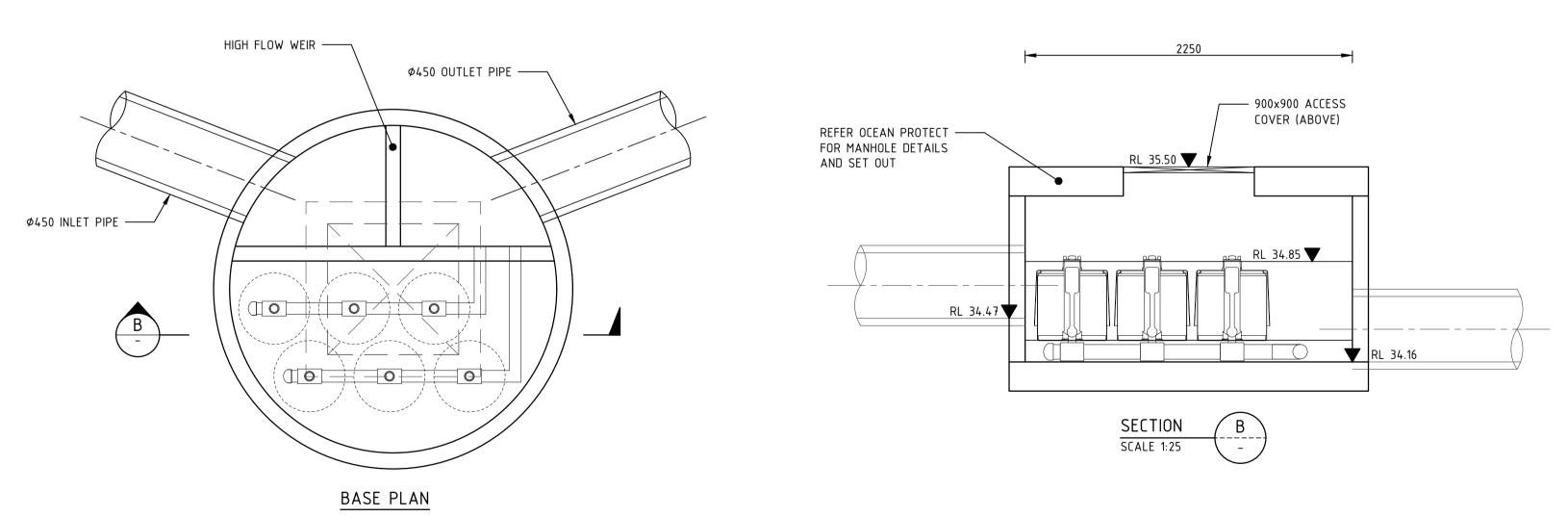
RIGID VEHICULAR PAVEMENT

SCALE 1:10





RWT DETAIL SCALE 1:25



STORMFILTER CHAMBER DETAIL

SCALE 1:25

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JORDAN SPRINGS TAVERN LOT 3989 OF DP 1190132 CIVIL TYPICAL DETAILS SHEET 2

North Point:	Design: CV
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FILE NAME & PATH: W:\219xx\21933 - Jordan Springs Tavern\001 - Design Services\CAD\Design\Civil\21933-C-602-DA Typical Details Sheet 2.dwg PLOTTED BY: 'christopher.veleski' PLOT DATE & TIME: 22 Jul, 2020 - 5:42am

Drawing Title: