

SINSW



# LEPPINGTON PUBLIC SCHOOL UPGRADE CIVIL DRAWINGS

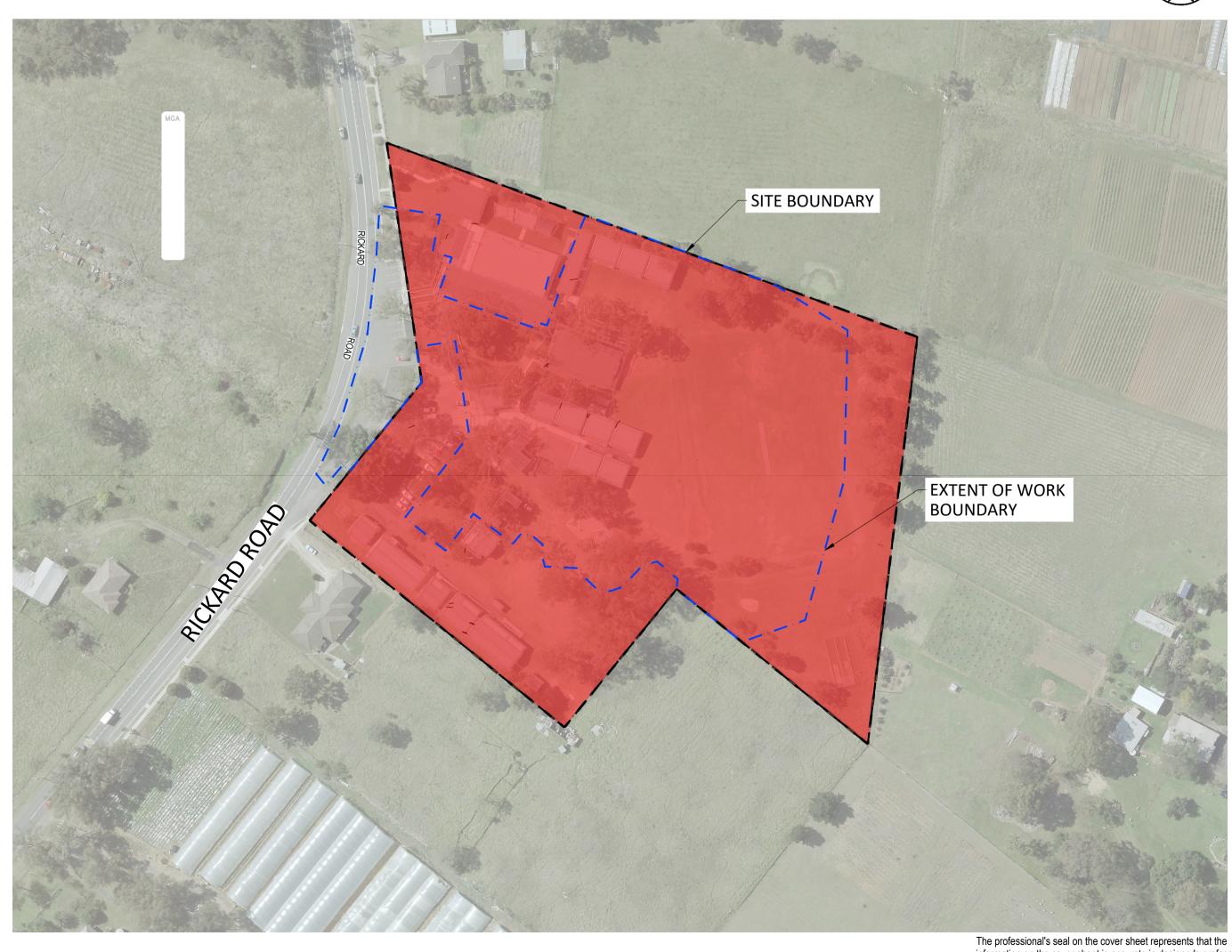
RICKARD ROAD, LEPPINGTON, NSW 2179

ISSUED FOR REF 2025.01.17

Stantec Project Number: 304000722

DRAWING LIST			
NO.	DRAWING NAME	REVISION	DATE
304000722-LPS-STA-00-XX-DR-C-000-001	COVER SHEET, DRAWING REGISTRY AND LOCALITY PLAN	Н	2025.01.17
304000722-LPS-STA-00-XX-DR-C-007-001	GENERAL NOTES SHEET 1 OF 2	Н	2025.01.17
304000722-LPS-STA-00-XX-DR-C-007-002	GENERAL NOTES SHEET 2 OF 2	Н	2025.01.17
304000722-LPS-STA-00-XX-DR-C-050-001	EXISTING CONDITIONS PLAN	Н	2025.01.17
304000722-LPS-STA-00-XX-DR-C-060-001	GENERAL ARRANGEMENT PLAN	Н	2025.01.17
304000722-LPS-STA-00-XX-DR-C-066-001	SITEWORKS DETAILS	Н	2025.01.17
304000722-LPS-STA-00-XX-DR-C-070-001	EROSION AND SEDIMENT CONTROL PLAN	Н	2025.01.17
304000722-LPS-STA-00-XX-DR-C-076-001	EROSION AND SEDIMENT CONTROL DETAILS	Н	2025.01.17
304000722-LPS-STA-00-XX-DR-C-100-001	BULK EARTHWORKS PLAN	Н	2025.01.17
304000722-LPS-STA-00-XX-DR-C-440-001	PAVEMENT PLAN	Н	2025.01.17
304000722-LPS-STA-00-XX-DR-C-446-001	PAVEMENT PLAN DETAILS	G	2025.01.17
304000722-LPS-STA-00-XX-DR-C-500-001	MUSIC CATCHMENT PLAN	G	2025.01.17
304000722-LPS-STA-00-XX-DR-C-500-002	DRAINS CATCHMENT PLAN	G	2025.01.17
304000722-LPS-STA-00-XX-DR-C-520-001	STORMWATER DRAINAGE PLAN	Н	2025.01.17
304000722-LPS-STA-00-XX-DR-C-522-001	STORMWATER LONG SECTIONS	В	2025.01.17
304000722-LPS-STA-00-XX-DR-C-526-001	STORMWATER DRAINAGE DETAILS SHEET 1 OF 5	Н	2025.01.17
304000722-LPS-STA-00-XX-DR-C-526-002	STORMWATER DRAINAGE DETAILS SHEET 2 OF 5	Н	2025.01.17
304000722-LPS-STA-00-XX-DR-C-526-003	STORMWATER DRAINAGE DETAILS SHEET 3 OF 5	Н	2025.01.17
304000722-LPS-STA-00-XX-DR-C-526-004	STORMWATER DRAINAGE DETAILS SHEET 4 OF 5	Н	2025.01.17
304000722-LPS-STA-00-XX-DR-C-526-005	STORMWATER DRAINAGE DETAILS SHEET 5 OF 5	Н	2025.01.17
304000722-LPS-STA-00-XX-DR-C-527-001	STORMWATER PIT SCHEDULE	F	2025.01.17





The professional's seal on the cover sheet represents that the information on the cover sheet is accurate in designer's professional opinion but does not assume professional responsibility for documents sealed by others that are referenced on the cover sheet. All professionals sealing drawings as a part of the design are professionally responsible for their own sealed documents.

CONTRACTOR TO CHECK WITH ENGINEER IF THESE NOTES ARE TO SUPPLEMENT A CIVIL SPECIFICATION. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH COUNCIL /

RELEVANT AUTHORITY SPECIFICATIONS AND DETAILS. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH OTHER CONSULTANTS' DRAWINGS AND SPECIFICATIONS AND WITH OTHER SUCH WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ANY DISCREPANCY SHALL BE REFERRED TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK

ALL DIMENSIONS ARE IN MILLIMETRES (mm) & ALL LEVELS ARE IN METRES (m), UNO (UNLESS NOTED OTHERWISE).

NO DIMENSION SHALL BE OBTAINED BY SCALING THE DRAWINGS. ALL LEVELS AND SETTING OUT DIMENSIONS SHOWN ON THE DRAWINGS

SHALL BE CHECKED ON SITE PRIOR TO COMMENCEMENT OF WORKS. EXISTING SERVICES WHERE SHOWN HAVE BEEN PLOTTED FROM SUPPLIED DATA AND SUCH THEIR ACCURACY CAN NOT BE GUARANTEED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH THE LEVEL OF ALL

CAD FILES / DTM FILES TO BE SUPPLIED IN AUTOCAD FORMAT FOR SETOUT PURPOSES (UPON REQUEST).

EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF WORK.

#### SITEWORKS NOTES

ORIGIN OF LEVELS:- REFER SURVEY NOTES.

CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORK. ANY DISCREPANCIES TO BE REPORTED TO STANTEC.

ALL WORK IS TO BE UNDERTAKEN IN ACCORDANCE WITH COUNCIL CONSTRUCTION SPECIFICATIONS, THE DETAILS SHOWN ON THE DRAWINGS AND THE SPECIFICATIONS AND THE DIRECTIONS OF THE PRINCIPAL'S REPRESENTATIVE

ALL WORKS TO BE COMPLETED IN ACCORDANCE WITH CAMDEN COUNCIL AND OTHER AUTHORITY REQUIREMENTS.

ALL CONSTRUCTION UNDERTAKEN BY THE CONTRACTOR IS TO COMPLY WITH THE REQUIREMENTS OF THE CURRENT WORKPLACE HEALTH AND SAFETY ACT.

CONTRACTOR TO CONFIRM ALL CBR VALUES PRIOR TO COMMENCEMENT OF WORKS.

WHERE NEW WORKS ABUT EXISTING THE CONTRACTOR SHALL ENSURE THAT A SMOOTH EVEN PROFILE, FREE FROM ABRUPT CHANGES, IS OBTAINED.

THE CONTRACTOR SHALL ARRANGE ALL SURVEY SETOUT TO BE CARRIED OUT BY A REGISTERED SURVEYOR.

CARE IS TO BE TAKEN WHEN EXCAVATING NEAR EXISTING SERVICES. NO MECHANICAL EXCAVATIONS ARE TO BE UNDERTAKEN OVER COMMUNICATIONS OR ELECTRICAL SERVICES. HAND EXCAVATE IN THESE AREAS ONLY.

0. ALL TRENCH BACKFILL MATERIAL NOT IN PAVEMENTS SHALL BE COMPACTED TO THE SAME DENSITY AS THE ADJACENT MATERIAL.

. UNLESS NOTED OTHERWISE IN CIVIL SPECIFICATION, ALL SERVICE TRENCHES UNDER VEHICULAR PAVEMENTS SHALL BE BACKFILLED WITH SAND TO 300mm ABOVE PIPE. WHERE PIPE IS UNDER PAVEMENTS BACKFILL REMAINDER OF TRENCH TO UNDERSIDE OF PAVEMENT WITH SAND OR APPROVED GRANULAR MATERIAL COMPACTED IN 150mm LAYERS TO MINIMUM 98% MODIFIED MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.2.1. (OR A DENSITY INDEX OF NOT LESS THAN 75)

2. ON COMPLETION OF PIPE INSTALLATION, ALL DISTURBED AREAS MUST BE RESTORED TO ORIGINAL, INCLUDING KERBS, FOOTPATHS, CONCRETE AREAS, GRAVEL AND GRASSED AREAS, AND ROAD PAVEMENTS

3. TRENCHES THROUGH EXISTING ROAD AND CONCRETE PAVEMENTS SHALL BE SAWCUT TO THE FULL DEPTH OF CONCRETE AND MIN. 50mm IN BITUMINOUS PAVING.

MAKE SMOOTH TRANSITION TO EXISTING SERVICES AND MAKE GOOD. 5. THESE PLANS ARE TO BE READ IN CONJUNCTION WITH COUNCIL CONSTRUCTION SPECIFICATIONS AND APPROVED LANDSCAPE, ELECTRICAL

AND TELECOMMUNICATION DRAWINGS AND SPECIFICATIONS. 6. WHERE NOTED ON THE DRAWINGS THAT WORKS ARE TO BE CARRIED BY OTHERS, (eg. ADJUSTMENT OF SERVICES), THE CONTRACTOR SHALL BE

RESPONSIBLE FOR THE CO-ORDINATION OF THESE WORKS. 7. ON COMPLETION OF WORKS, ALL DISTURBED AREAS MUST BE RESTORED TO ORIGINAL INCLUDING, BUT NOT LIMITED TO, KERBS, FOOTPATHS. CONCRETE AREAS, GRASS AND LANDSCAPED AREAS.

#### **SURVEY NOTES**

THE EXISTING SITE CONDITIONS SHOWN ON THE FOLLOWING DRAWINGS HAVE BEEN SHOWN AS PER THE TOPOGRAPHIC SURVEY RECEIVED ON 15/05/2024 PREPARED BY MONTEATH & POWYS, REFERENCE '220216A 06', DATED 10/05/2024

THE INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN. STANTEC DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THE SURVEY BASE OR ITS SUITABILITY AS A BASIS FOR CONSTRUCTION DRAWINGS. SHOULD DISCREPANCIES BE ENCOUNTERED DURING CONSTRUCTION BETWEEN THE SURVEY DATA AND ACTUAL FIELD DATA, CONTACT STANTEC

IF AN EXISTING SERVICES PLAN HAS BEEN SUPPLIED THIS DOES NOT TAKE PRECEDENCE OVER ORIGINAL SURVEY PLAN. CONTRACTOR TO REVIEW ORIGINAL SURVEY PLAN AND NOTES. THIS

INCLUDES REVIEW OF SUBSURFACE UTILITY CLASS INFORMATION

## PROTECTION OF TREES

WHERE STORMWATER DRAINAGE IS LAID IN THE VICINITY OF TREES / CANOPIES OF TREES, THE WORKS ARE TO BE COMPLETED TO THE PROJECT ARBORISTS REQUIREMENTS.

#### **EXISTING SERVICES**

EXISTING SERVICES, WHERE SHOWN, HAVE BEEN PLOTTED FROM SUPPLIED DATA AND SUCH THEIR ACCURACY CAN NOT BE GUARANTEED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH THE LEVEL OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF WORK.

EXISTING SERVICES SHOWN ON THE PLANS ARE LOCATED APPROXIMATELY BASED ON INFORMATION SUPPLIED BY THE RELEVANT AUTHORITIES AND/OR SURVEY RECEIVED. STANTEC DOES NOT TAKE RESPONSIBILITY FOR THE SUITABILITY OR LOCATION/DEPTH OF THE EXISTING SERVICES.

STANTEC DOES NOT TAKE RESPONSIBILITY FOR ANY POSSIBLE DESIGN ADJUSTMENT OF ANY ADDITIONAL EXISTING SERVICES OR THE ASSOCIATED AUTHORITY NEGOTIATIONS AS A RESULT OF THE PROPOSED

THE INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN. STANTEC DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THE SURVEY BASE OR ITS SUITABILITY AS A BASIS FOR CONSTRUCTION DRAWINGS.

EXISTING BUILDINGS, EXTERNAL STRUCTURES AND TREES SHOWN ON THESE DRAWINGS ARE FEATURES EXISTING PRIOR TO ANY DEMOLITION WORKS.

6. THE CONTRACTOR SHALL UNDERTAKE POTHOLING AND/OR INVESTIGATION WORKS TO LOCATE ALL EXISTING SERVICES PRIOR TO COMMENCING WORKS. THIS INCLUDES CONFIRMING THE LOCATION AND DETAILS OF THE EXISTING SITE STORMWATER DISCHARGE.

ALL AREAS WITHIN THE EXTENT OF WORKS TO BE SCANNED FOR EXISTING UTILITY SERVICES AND LOCATIONS PRIOR TO CONSTRUCTION.

WHIST EVERY EFFORT HAS BEEN MADE TO AVOID CLASHES WITH EXISTING SERVICES, EXTENT AND QUALITY OF SUPPLIED DATA IS INSUFFICIENT FOR COMPLETE CLASH DETECTION ACCURACY. CONTRACTOR TO TAKE CARE WORKING AROUND EXISTING UTILITIES AND REPORT ANY POSSIBLE CLASHES BACK TO THE ENGINEER.

THE CONTRACTOR SHALL ALLOW FOR THE CAPPING OFF, EXCAVATION, REMOVAL AND DISPOSAL IF REQUIRED OF ALL EXISTING SERVICES IN AREAS AFFECTED BY WORKS WITHIN THE CONTRACT AREA, AS SHOWN ON THE DRAWINGS UNLESS DIRECTED OTHERWISE BY THE SUPERINTENDENT

10. THE CONTRACTOR SHALL ENSURE THAT AT ALL TIMES SERVICES TO ALL BUILDINGS NOT AFFECTED BY THE WORKS ARE NOT DISRUPTED.

11. THE CONTRACTOR SHALL CONSTRUCT TEMPORARY SERVICES TO MAINTAIN EXISTING SUPPLY TO BUILDINGS REMAINING IN OPERATION DURING WORKS TO THE SATISFACTION AND APPROVAL OF THE SERVICE AUTHORITY. ONCE DIVERSION IS COMPLETE AND COMMISSIONED, THE CONTRACTOR SHALL REMOVE ALL SUCH TEMPORARY SERVICES AND MAKE GOOD TO THE SATISFACTION OF THE RELEVANT SERVICE

12. PRIOR TO COMMENCEMENT OF ANY WORKS THE CONTRACTOR SHALL GAIN WRITTEN APPROVAL OF THEIR PROGRAMME FOR THE RELOCATION/CONSTRUCTION OF TEMPORARY SERVICES.

13. CLEARANCE AND COVER REQUIREMENTS SHALL BE OBTAINED FROM THE RELEVANT SERVICE AUTHORITY BEFORE COMMENCEMENT OF WORKS AND SHALL BE ADHERED TO AT ALL TIMES.

#### PROPOSED SERVICES NOTES

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH RELEVANT SERVICE AUTHORITY DOCUMENTATION AND CURRENT NSW STREETS OPENING CONFERENCE GUIDE TO CODES AND PRACTICES FOR STREETS OPENING LITERATURE.

THE CONTRACTOR SHALL ATTEND, MANAGE & SUPERVISE THE PROVISION OF PUBLIC UTILITY SERVICES TO THE WORKS GENERALLY AS INDICATED ON THE SERVICES PLANS, NOTING THAT PRIOR & DURING CONSTRUCTION THE PUBLIC UTILTITY AUTHORITIES WILL FINALISE THEIR DOCUMENTATION TO CONSTRUCTION ISSUE STANDARD.

THE CIVIL CONTRACTOR (TRENCH PROVIDER) IS TO ARRANGE ON SITE MEETING WITH ALL SERVICE AUTHORITIES PRIOR TO THE INSTALLATION OF CONDUITS.

. THE CIVIL CONTRACTOR TO CO-ORDINATE INSTALLATION OF ELECTRICITY. GAS, TELECOMMUNICATION, WATER AND SEWER SERVICES.

ELECTRICITY, GAS AND TELECOMMUNICATION SERVICES ARE TO BE LAID FOLLOWING THE INSTALLATION OF STORMWATER, SEWER AND WATER

SERVICES AND KERB AND GUTTER 6. ALL UTILITY AUTHORITY REPRESENTATIVES TO INSPECT ROAD CROSSINGS PRIOR TO SEALING.

ALL ELECTRICAL ROAD CROSSINGS TO BE CLASS 6 (ORANGE) uPVC

ALL GAS ROAD CROSSINGS TO BE uPVC GREY SEWER GRADE CONDUITS.

9. FOR ALL STREET POLES, REFER TO THE ELECTRICAL ENGINEER'S DOCUMENTATION. STREET POLES TO BE POSITIONED THE APPROPRIATE DISTANCE FROM FACE OF KERB TO FACE OF POLE ACCORDING TO THE CURRENT NSW STREETS OPENING CONFERENCE GUIDE TO CODES AND PRACTICES FOR STREETS OPENING LITERATURE. CONTRACTOR TO ALLOW TO EXCAVATE AND BACKFILL TRENCH GENERALLY IN ACCORDANCE WITH NOTE 2.

10. ALL SERVICE PIT COVERS AND MARKERS ARE TO BE LAID WHOLLY WITHIN THE CONCRETE FOOTPATH. CONTACT SUPERINTENDANT SHOULD DIFFICULTIES ARISE.

 TELSTRA'S PLANS SHOW ONLY THE PRESENCE OF CABLES AND PLANT. THEY ONLY SHOW THEIR POSITION RELATIVE TO ROAD BOUNDARIES. PROPERTY FENCES ETC. AT THE TIME OF INSTALLATION AND TELSTRA DOES NOT WARRANT OR HOLD OUT THAT SUCH PLANS ARE ACCURATE THEREAFTER DUE TO CHANGES THAT MAY OCCUR OVER TIME. DO NOT ASSUME DEPTH OR ALIGNMENT OF CABLES OR PLANT AS THESE VARY SIGNIFICANTLY.

2. THE CONTRACTOR HAS A DUTY OF CARE WHEN EXCAVATING NEAR TELSTRA CABLES AND PLANT. BEFORE USING MACHINE EXCAVATORS TELSTRA PLANT MUST FIRST BE PHYSICALLY EXPOSED BY SOFT DIG POTHOLING TO IDENTIFY IT'S LOCATION TELSTRA WILL SEEK COMPENSATION FOR DAMAGES CAUSED TO IT'S PROPERTY AND LOSSES CAUSED TO TELSTRA AND IT'S CUSTOMERS.

### TELSTRA - DUTY OF CARE NOTE

TELSTRA'S PLANS SHOW ONLY THE PRESENCE OF CABLES AND PLANT. THEY

ONLY SHOW THEIR POSITION RELATIVE TO ROAD BOUNDARIES, PROPERTY FENCES ETC. AT THE TIME OF INSTALLATION AND TELSTRA DOES NOT WARRANT OR HOLD OUT THAT SUCH PLANS ARE ACCURATE THEREAFTER DUE TO CHANGES THAT MAY OCCUR OVER TIME. DO NOT ASSUME DEPTH OR ALIGNMENT OF CABLES OR PLANT AS THESE VARY SIGNIFICANTLY. THE CONTRACTOR HAS A DUTY OF CARE WHEN EXCAVATING NEAR TELSTRA CABLES AND PLANT. BEFORE USING MACHINE EXCAVATORS TELSTRA PLANT MUST FIRST BE PHYSICALLY EXPOSED BY SOFT DIG POTHOLING TO IDENTIFY IT'S LOCATION TELSTRA WILL SEEK COMPENSATION FOR DAMAGES CAUSED TO IT'S PROPERTY AND LOSSES CAUSED TO TELSTRA AND IT'S CUSTOMERS.

#### **DEMOLITION NOTES**

ALL DEMOLISHED SWALES AND OPEN DRAINS TO BE STRIPPED AND INFILLED WITH SELECT FILL COMPACTED IN 300mm THICK LAYERS

ALL DEMOLISHED PAVEMENTS TO BE REMOVED DOWN TO SUBGRADE LEVEL BUILD BACK UP TO FINISHED SURFACE WITH SELECT FILL COMPACTED IN 200mm THICK LAYERS TO CIVIL SPECIFICATION.

ALL DISTURBED AREAS SHALL BE FINISHED WITH TOPSOIL AND DURABLE DRYLAND GRASS IN ACCORDANCE WITH LANDSCAPE ARCHITECTS SPECIFICATION.

. ALL BUILDING DEMOLITION WORKS SHALL INCLUDE SEQUENCING, DISCONNECTION AND DEMOLITION OF ALL ASSOCIATED BUILDING SERVICES

PRIOR TO REMOVAL OF TREES AND VEGETATION, TRADE CONTRACTOR SHALL SEEK ALL RELEVANT APPROVALS FROM THE MANAGING CONTRACTOR.

ALL DEMOLISHED MATERIALS TO BE DISPOSED OFF SITE AT AN APPROVED WASTE COLLECTION AND PROCESSING FACILITY (UNLESS OTHERWISE DIRECTED IN WRITING BY THE MANAGING CONTRACTOR)

REFER TO THE RELEVANT ENGINEERING DRAWINGS FOR TREATMENT, DIVERSION AND DEMOLITION OF EXISTING SERVICES AFFECTED BY THE WORKS, INCLUDING BUT NOT LIMITED TO ELECTRICAL, COMMUNICATIONS, HYDRAULIC SERVICES

. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ANY PRIOR APPROVAL REQUIRED FROM COUNCIL WITH RESPECT TO POTENTIAL IMPACT ON TREES FOR ANY WORKS SHOWN ON THE DRAWINGS PRIOR TO THE COMMENCEMENT OF THOSE WORKS.

#### STORMWATER DRAINAGE NOTES

ON COMPLETION OF STORMWATER INSTALLATION, ALL DISTURBED AREAS MUST BE RESTORED TO ORIGINAL CONDITION, INCLUDING KERBS, FOOTPATHS, CONCRETE AREAS, GRAVEL AND GRASSED AREAS AND ROAD

PAVEMENTS, UNLESS DIRECTED OTHERWISE THE CONTRACTOR IS TO EXERCISE DUE CARE AND ATTENTION DURING PIPE INSTALLATION ENSURING PIPES ARE NOT DAMAGES DURING CONSTRUCTION AND CONSTRUCTION TRAFFIC DOES NOT EXCEED THE LOAD SPECIFIED FOR THE PIPE PROPOSED. IF THE PROPOSED PIPE CLASS WILL NOT WITHSTAND THE CONSTRUCTION LOAD, THE CONTRACTOR IS TO UPGRADE PIPE CLASSES TO SUIT AT NO COST TO THE PRINCIPAL.

. PIPES 300 DIA. AND LARGER TO BE REINFORCED CONCRETE CLASS '3' APPROVED SPIGOT AND SOCKET WITH RUBBER RING JOINTS. U.N.O.

. PIPES LESS THAN OR EQUAL TO 225 DIA. SHALL BE uPVC DWV GRADE CLASS SN8 IN ACCORDANCE WITH AS/NZS 1260:2009-PVC-U PIPES AND FITTINGS FOR DRAIN, WASTE AND VENT APPLICATION WITH SOLVENT WELDED JOINTS. EQUIVALENT STRENGTH REINFORCED CONCRETE OR FIBROUS REINFORCED

CONCRETE PIPES MAY BE USED SUBJECT TO APPROVAL BY THE 6. CONTRACTOR IS TO ENSURE THAT ALL DRAINAGE STRUCTURES ARE ADEQUATELY REINFORCED AND SHALL PROVIDE DESIGN CERTIFICATION FOR

ALL REINFORCED CONCRETE LIDS. ALL STORMWATER DRAINAGE LINES UNDER PROPOSED BUILDING SLABS TO BE uPVC PRESSURE PIPE GRADE 6. ENSURE ALL VERTICALS AND DOWNPIPES

ARE uPVC PRESSURE PIPE, GRADE 6 FOR A MIN OF 3.0m IN HEIGHT. PIPES TO BE INSTALLED TO TYPE H2 (NOT UNDER ROADWAYS) OR TYPE HS2 (UNDER ROADWAYS) SUPPORT IN ACCORDANCE WITH AS 3725 (2007). IN ALL CASES BACKFILL TRENCH WITH SAND TO 300mm ABOVE PIPE. WHERE PIPE IS UNDER PAVEMENTS BACKFILL REMAINDER OF TRENCH TO UNDERSIDE OF PAVEMENT WITH SAND OR APPROVED GRANULAR MATERIAL COMPACTED IN 150mm LAYERS TO MINIMUM 98% STANDARD MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.2.1. (OR A DENSITY INDEX OF NOT LESS THAN

9. PIT COVER LEVELS TO MATCH SURROUNDING FINISHED LEVELS. DESIGN FINISHED SURFACE LEVELS OF STRUCTURES ARE FOR THE CONTRACTORS GUIDANCE ONLY. ACTUAL FINISHED LEVELS SHALL BE SET OUT AS DIRECTED ON SITE IN KEEPING WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE LOCAL AUTHORITY AND ACTUAL FINISHED GROUND LEVELS.

0. STORMWATER PIT COVERS FOR JUNCTION AND GRATED PITS TO COMPLY WITH AS 3996 FOR:

INTERNAL PEDESTRIAN PRECINCTS ONLY. NO VEHICULAR TRAFFIC EXTERNAL AREAS INCLUDING FOOTPATHS, FOOTWAYS CLASS B AND LIGHT VEHICULAR TRAFFIC ONLY CARS, TRUCKS (HIGHWAY TRAFFIC) AND COMMERCIAL CLASS D VEHICULAR TRAFFIC

HEAVY DUTY FORKLIFTS AND EARTHMOVING EQUIPMENT

1. REFER TO TABLE BELOW FOR MINIMUM PIT DIMENSIONS (AS 3500.3 TABLE 7.5.2.1):

DEPTH TO INVERT LESS THAN 600mm 450mm 450mm FROM 600mm TO 900mm 600mm 600mm FROM 900mm TO 1200mm 600mm 900mm MORE THAN 1200mm 900mm 900mm

## STORMWATER DRAINAGE NOTES

ALL INTERNAL WORKS WITHIN PROPERTY BOUNDARIES ARE TO COMPLY WITH THE REQUIREMENTS OF AS 3500 3.1 (2006) AND AS/NZS 3500 3.2 (2010). PRECAST PITS MAY BE USED EXTERNAL TO THE BUILDING SUBJECT TO

ENLARGERS, CONNECTIONS AND JUNCTIONS TO BE PREFABRICATED FITTINGS WHERE PIPES ARE LESS THAN 300 DIA.

APPROVAL BY STANTEC AUSTRALIA

PIPES FOR SUBSOIL DRAINS SHALL BE SLOTTED 100mm DIA. CLASS 1000 WRAPPED IN GEOFABRIC, UNO, COMPLYING WITH THE REQUIREMENTS OF AS2439. ALL SUBSOIL PIPES SHALL BE FACTORY SLOTTED HDPE, MIN. 100mm DIA. CLASS SN8, SIMILAR OR EQUAL TO VINIDEX DRAINCOIL, CERTIFIED uPVC, IN ACCORDANCE WITH AS1260, AS2032 (PIPE) & AS3789 (JOINTING) INSTALLED ON GEOTEXTILE FABRIC WITH 150mm SURROUND OF 25mm BLUE METAL AGGREGATE, UNO. WHERE SUBSOIL DRAINS PASS UNDER FLOOR SLABS AND PAVEMENTS, UNSLOTTED uPVC DWV GRADE CLASS SN8 SEWER GRADE PIPE IS TO BE USED.

. CARE IS TO BE TAKEN WITH LEVELS OF STORMWATER LINES. GRADES SHOWN ARE NOT TO BE REDUCED WITHOUT APPROVAL

. AT ALL TIMES DURING CONSTRUCTION OF STORMWATER PITS, ADEQUATE SAFETY PROCEDURES SHALL BE TAKEN TO ENSURE AGAINST THE POSSIBILITY OF PERSONNEL FALLING DOWN PITS.

ALL EXISTING STORMWATER DRAINAGE LINES AND PITS THAT ARE TO REMAIN ARE TO BE INSPECTED AND CLEANED. DURING THIS PROCESS ANY PART OF THE STORMWATER DRAINAGE SYSTEM THAT WARRANTS REPAIR SHALL BE REPORTED TO THE SUPERINTENDENT/ENGINEER FOR FURTHER DIRECTIONS CCTV SHALL BE UNDERTAKEN OF EXISTING PIPES WHERE NECESSARY TO CONFIRM THEIR ADEQUACY PRIOR TO AND FOLLOWING CONSTRUCTION.

THE CONTRACTOR IS TO ORGANISE AND STAGE CONSTRUCTION WORK AND UNDERTAKE ANY DIVERSION WORKS TO ENSURE THE EXISTING DRAINAGE IS ABLE TO CONVEY ALL STORMWATER FLOWS THAT MAY OCCUR DURING THE PERIOD OF THE CONSTRUCTION WORKS.

ANY DAMAGE TO THE WORKS DUE TO STORMWATER FLOWS OR FLOODING DURING THE CONSTRUCTION PERIOD IS AT THE CONTRACTOR'S RISK. 10. SETOUT POINTS FOR STORMWATER STRUCTURES ARE AS INDICATED IN THE

DRAWINGS UNLESS OTHERWISE NOTED. I. ALL PAVED SURFACE LEVELS AND GRADES TO BE COORDINATED WITH GULLY

PIT LEVELS TO ENSURE NO UNDRAINED AREAS OCCUR. 12. THE SIDES OF ALL PIPE TRENCH EXCAVATIONS DEEPER THAN 1.0m SHALL BE FULLY SUPPORTED AT ALL TIMES AND HAVE APPROPRIATE EDGE

PROTECTION. 13. ALL NEW PIPES TO BE LAID IN AN UPSTREAM DIRECTION. THE LINE, LEVEL AND LOCATION OF EXISTING SERVICES CROSSING THE LINE OF THE PROPOSED STORMWATER PIPE SHALL BE DETERMINED BY EXCAVATION PRIOR TO THE LAYING OF THE PIPE. IF CONFLICT IS APPARENT, THE ENGINEER SHALL BE NOTIFIED AND INSTRUCTIONS AS TO WHETHER THE EXISTING SERVICE IS TO BE ADJUSTED OR THE PROPOSED PIPE INVERT ALTERED WILL BE ISSUED.

14. PIPE BEDDING, HAUNCH AND BACKFILL TO BE AS SHOWN ON THE CIVIL DETAILS DRAWINGS AND THE CIVIL SPECIFICATION. WHERE TRENCHES ARE IN ROCK, THE PIPE SHALL BE BEDDED ON A MIN. 50mm CONCRETE BED OR 75mm THICK BED OF 12mm BLUE METAL UNDER THE BARREL OF THE PIPE. THE PIPE COLLAR AT NO POINT SHALL BEAR ON THE ROCK.

5. SUBSOIL DRAINAGE PIPES TO BE SLOTTED PIPE AND FILTER SOCK CLASS 1000 TO AS2439 PART 1 LAID AT PREFERABLE MINIMUM GRADE 1 IN 100 OR ABSOLUTE MINIMUM 1 IN 200 WHERE LIMITED BY OUTFALL LEVELS. 16. 100mm DIA. SUBSOIL DRAINAGE SHALL BE PROVIDED IN THE FOLLOWING

LOCATIONS AND CONNECTED TO THE SITE STORMWATER DRAINAGE SYSTEM, UNO .:-

16.1. UNDER KERBS AND ADJACENT TO ALL PAVEMENTS 16.2. AT THE BASE OF THE HIGH SIDE OF ALL RETAINING WALLS

16.3. AROUND THE BUILDING SLAB FOOTPRINT

16.4. AROUND ALL STORMWATER PITS

28. STORMWATER STRUCTURES ARE TO BE CONSTRUCTED PERPENDICULAR TO THE INCOMING PIPEWORK UNLESS OTHERWISE NOTED. 29. PRECAST COMPONENTS SHALL BE CONNECTED BY MEANS OF EPOXY OR CHEMICAL GROUTED BARS OF THE SAME DIAMETER AND SPACING AS THE

SMALLER BARS IN THE RESPECTIVE COMPONENTS. 25. PRE-CAST PITS MUST HAVE LIFTING ANCHORS. 26. WORKING LOADS ARE THOSE DUE TO FILL MATERIAL AND STANDARD

HIGHWAY VEHICLES AS PER AS3725. CONSTRUCTION LOADS HAVE NOT BEEN ALLOWED FOR. 27. ALL EXPOSED EDGES ON STORMWATER PITS TO BE ROUNDED TO 5mm RAD.

28. ALL MILD STEEL FIXTURES INCLUDING GRATES, FRAMES, STEP IRONS, LADDERS, ETC., SHALL BE HOT DIP GALVANISED. GALVANISING SHALL

COMPLY WITH THE REQUIREMENTS OF AS1214 OR AS1650, AS APPROPRIATE 29. ALL CONNECTIONS TO EXISTING DRAINAGE PITS SHALL BE MADE IN A TRADESMAN-LIKE MANNER AND THE INTERNAL WALL OF THE PIT AT THE POINT OF ENTRY SHALL BE CEMENT RENDERED TO ENSURE A SMOOTH

30. PITS DEEPER THAN 1200mm SHALL HAVE ACCESS LADDERS OR STEP IRONS INSTALLED AND SHALL BE IN ACCORDANCE WITH THE LOCAL OR STATUTORY

REQUIREMENTS. 31. WHERE A PIT IS IDENTIFIED AS A CONFINED SPACE, PIT COVERS SHALL BE PROVIDED WITH STANDARD CONFINED SPACE SIGNAGE.

32. CAPPED FLUSHING POINTS MUST BE PROVIDED FOR ALL SUBSOIL AND SEEPAGE DRAINAGE SYSTEMS AT THE END OF EACH PIPE, AT MAX. 30m SPACING AND AT CHANGES IN DIRECTION. THE CONTRACTOR SHALL OBTAIN A ROAD OPENING PERMIT FOR ANY WORK

WITHIN THE PUBLIC ROAD RESERVE AND COMPLY WITH ALL AUTHORITY REQUIREMENTS. 34. PIPES SHALL BE TRUE TO GRADES SHOWN AND ALIGNED SO THAT THE CENTRES OF THE INLET PIPES INTERSECT WITH THE CENTRE OF THE OUTLET PIPE AT THE DOWNSTREAM FACE OF THE PIT.

35. MINIMUM GRADES FOR GRAVITY STORMWATER DRAINAGE SHALL CONFORM TO AS 3500 PART 3 AS FOLLOWS, UNO:-

35.1. 1% FOR 100mm AND 150mm DIA. PIPES 35.2. 0.5% FOR 225mm DIA. PIPES

35.3. 0.4% FOR 300mm DIA. PIPES 35.4. 0.33% FOR 375mm DIA. PIPES

36. MINIMUM DEPTH OF COVER SHALL BE AS FOLLOWS, UNO:-36.1. 300mm IN PRIVATE PROPERTY (NON-VEHICULAR TRAFFIC) 36.2. 450mm IN PUBLIC AREAS

36.3. 600mm IN VEHICULAR TRAFFICABLE AREAS (FOOTWAY/ROADWAYS)

#### STORMWATER DRAINAGE NOTES

37. BED ALL PIPES FIRMLY AND EVENLY ONTO IMPORTED BEDDING FILL

MATERIAL 38. LAY AND JOINT ALL PIPES IN ACCORDANCE WITH THE MANUFACTURERS

RECOMMENDATION AND AS 3725 BURIED FLEXIBLE PIPELINES

AS 2566 LOADS ON BURIED FLEXIBLE PIPELINES AS 1597.2 PRECAST REINFORCED CONCRETE BOX CULVERTS AS 3500 NATIONAL PLUMBING AND DRAINAGE CODE SYDNEY WATER REQUIREMENTS (WHERE APPLICABLE)

ALLOW TO TEST ALL PIPES AND PITS TO MANUFACTURERS

## **EROSION AND SEDIMENT CONTROL NOTES**

#### GENERAL INSTRUCTIONS

REQUIREMENTS.

THE SITE SUPERINTENDENT/ENGINEER WILL ENSURE THAT ALL SOIL AND WATER MANAGEMENT WORKS ARE LOCATED AS DOCUMENTED.

ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE WITH 2.1. LOCAL AUTHORITY REQUIREMENTS 2.2. EPA REQUIREMENTS

2.3. NSW DEPARTMENT OF HOUSING MANUAL "MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION", 4th EDITION, MARCH 2004. MAINTAIN THE EROSION CONTROL DEVICES TO THE SATISFACTION OF THE SUPERINTENDENT AND THE LOCAL AUTHORITY.

WHEN STORMWATER PITS ARE CONSTRUCTED, PREVENT SITE RUNOFF ENTERING UNLESS SEDIMENT FENCES ARE ERECTED AROUND PITS.

CONTRACTOR IS TO ENSURE ALL EROSION & SEDIMENT CONTROL DEVICES ARE MAINTAINED IN GOOD WORKING ORDER AND OPERATE EFFECTIVELY. REPAIRS AND OR MAINTENANCE SHALL BE UNDERTAKEN AS REQUIRED, PARTICULARLY FOLLOWING STORM EVENTS.

#### LAND DISTURBANCE

. WHERE PRACTICAL, THE SOIL EROSION HAZARD ON THE SITE WILL BE KEPT AS LOW AS POSSIBLE. TO THIS END, WORKS SHOULD BE UNDERTAKEN IN THE FOLLOWING SEQUENCE:

6.1. INSTALL A SEDIMENT FENCE ALONG THE BOUNDARIES AS SHOWN ON PLAN. REFER DETAIL

6.2. CONSTRUCT STABILISED CONSTRUCTION ENTRANCE TO LOCATION AS DETERMINED BY SUPERINTENDENT/ENGINEER. REFER DETAIL. 6.3. INSTALL SEDIMENT BASIN AS SHOWN ON PLAN

6.4. INSTALL SEDIMENT TRAPS AS SHOWN ON PLAN. UNDERTAKE SITE DEVELOPMENT WORKS IN ACCORDANCE WITH THE ENGINEERING PLANS. WHERE POSSIBLE, PHASE DEVELOPMENT SO THAT

#### EROSION CONTROL

DURING WINDY WEATHER, LARGE, UNPROTECTED AREAS WILL BE KEPT MOIST (NOT WET) BY SPRINKLING WITH WATER TO KEEP DUST UNDER

LAND DISTURBANCE IS CONFINED TO AREAS OF WORKABLE SIZE.

FINAL SITE LANDSCAPING WILL BE UNDERTAKEN AS SOON AS POSSIBLE AND WITHIN 20 WORKING DAYS FROM COMPLETION OF CONSTRUCTION ACTIVITIES.

#### SEDIMENT CONTROL

10. STOCKPILES WILL NOT BE LOCATED WITHIN 2 METRES OF HAZARD AREAS, INCLUDING LIKELY AREAS OF CONCENTRATED OR HIGH VELOCITY FLOWS SUCH AS WATERWAYS. WHERE THEY ARE BETWEEN 2 AND 5 METRES FROM SUCH AREAS, SPECIAL SEDIMENT CONTROL MEASURES SHOULD BE TAKEN TO MINIMISE POSSIBLE POLLUTION TO DOWNSLOPE WATERS, E.G.

THROUGH INSTALLATION OF SEDIMENT FENCING. . 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 PLACEMENT

2. 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 3. TEMPORARY SOIL AND WATER MANAGEMENT STRUCTURES WILL BE

REMOVED ONLY AFTER THE LANDS THEY ARE PROTECTING ARE

#### REHABILITATED.

OTHER MATTERS

13. ACCEPTABLE RECEPTORS WILL BE PROVIDED FOR CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHINGS, LIGHT-WEIGHT WASTE MATERIALS AND

14. ANY EXISTING TREES WHICH FORM PART OF THE FINAL LANDSCAPING PLAN WILL BE PROTECTED FROM CONSTRUCTION ACTIVITIES BY: 14.1. PROTECTING THEM WITH BARRIER FENCING OR SIMILAR MATERIALS

INSTALLED OUTSIDE THE DRIP LINE 14.2. ENSURING THAT NOTHING IS NAILED TO THEM

14.3. PROHIBITING PAVING, GRADING, SEDIMENT WASH OR PLACING OF STOCKPILES WITHIN THE DRIP LINE EXCEPT UNDER THE FOLLOWING CONDITIONS. 14.4. ENCROACHMENT ONLY OCCURS ON ONE SIDE AND NO CLOSER TO THE TRUNK THAN EITHER 1.5 METRES OR HALF THE DISTANCE BETWEEN

THE OUTER EDGE OF THE DRIP LINE AND THE TRUNK, WHICH EVER IS THE GREATER 14.5. A DRAINAGE SYSTEM THAT ALLOWS AIR AND WATER TO CIRCULATE THROUGH THE ROOT ZONE (E.G. A GRAVEL BED) IS PLACED UNDER

ALL FILL LAYERS OF MORE THAN 300 MILLIMETRES DEPTH 14.6. CARE IS TAKEN NOT TO CUT ROOTS UNNECESSARILY NOR TO COMPACT THE SOIL AROUND THEM.

#### ASPHALTIC CONCRETE NOTES

1.1. MINERAL AGGREGATED SHALL COMPLY WITH AUSTRALIAN STANDARDS

1.2. MINERAL FILLER SHALL COMPPLY WITH AS 2357 MINERAL FILLERS OR **ASPHALT** 1.3. BITUMEN BINDER SHALL COMPLY WITH AS 2008.

2. MIX PROPORTIONS

2.1. JOB MIX - 10mm NOMINAL SIZE AGGREGATE. MINIMUM BITUMEN CONTENT BY MASS OF TOTAL MASS - 5.1%

2.2. MIX STABILITY SHALL BE BETWEEN 16kN AND 36kN AS DETERMINED

2.3. AIR VOIDS IN COMPACTED MIX SHALL BE BETWEEN 4% AND 7% OF THE TOTAL VOLUME OF THE MIX

2.4. VOIDS FILLED IN BINDER - BETWEEN 65% AND 80% OF AIR VOIDS IN THE TOTAL MINERAL AGGREGATE FILLED BY BINDER IN ACCORDANCE WITH AUSTRALIAN STANDARDS

3. PAVEMENT PREPARATION

3.1. THE EXISTING SURFACE TO BE SEALED SHALL BE DRY AND BROOMED BEFORE COMMENCEMENT OF WORK TO ENSURE COMPLETE REMOVAL OF ALL SUPERFICIAL AND FOREIGN MATTER 3.2. ALL DEPRESSIONS OR UNEVEN AREAS ARE TO BE TACK-COATED AND

BROUGHT UP TO THE GENERAL LEVEL OR PAVEMENT WITH

ASPHALTIC CONCRETE BEFORE LAYING THE MAIN COURSE

4. TACK COATING 4.1. THE WHOLE AREA TO BE SHEETED WITH ASPHALTIC CONCRETE SHALL BE LIGHTLY AND EVENLY COASTED WITH RAPID SETTING BITUMEN COMPLYING WITH AUSTRALIAN STANDARDS. APPLICATION RATE FOR RESIDUAL BITUMEN SHALL BE 0.15 TO 0.3L/m<sup>2</sup>. APPLICATION SHALL BE BY MEANS OF A MECHANICAL SPRAYER WITH

A SPRAY BAR.

COMPACTION

SPREADING 5.1. ALL ASPHALTIC CONCRETE SHALL BE SPREAD WITH A SELF-PROPELLING PAVING MACHINE

5.2. THE ASPHALTIC CONCRETE SHALL BE LAID AT A MIX TEMPERATURE AS SPECIFIED BELOW:

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

ASPHALTIC CONCRETE SHALL NOT BE LAID WHEN THE ROAD SURFACE IS WET OR WHEN COLD WINDS CHILL THE MIX, ADVERSELY AFFECTING SPREADING AND COMPACTION

5.4 THE MINIMUM COMPACTED THICKNESS IS 30mm OVER EXISTING SEALED PAVEMENTS AND 50mm OVER NEW PAVEMENTS JOINTS

SHALL BE KEPT TO A MINIMUM 6.2. THE DENSITY AND SURFACE FINISH AT JOINTS SHALL BE SIMILAR TO THOSE OF THE REST OF THE LAYER

6.1. THE NUMBER OF JOINTS BOTH LONGITUDINAL AND TRANSVERSE

7.1. ALL COMPACTION SHALL BE UNDERTAKEN USING SELF-PROPELLED ROLLERS 7.2. INITIAL ROLLING SHALL BE COMPLETE BEFORE THE MIX

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

MINIMUM CHARACTERISTICS VALUE OF RELATIVE COMPACTION OF A LOT WHEN TESTED IN ACCORDANCE WITH AS 2150 8. FINISHED PAVEMENT PROPERTIES

AND SHALL NOT VARY MORE THAN 10mm FROM THE SPECIFIED PLAN LEVEL AT ANY POINT AND SHALL NOT DEVIATE FROM THE BOTTOM OF A 3m STRAIGHT EDGE LAID IN ANY DIRECTION BY MORE THAN 5mm.

8.1. FINISHED SURFACES SHALL BE SMOOTH, DENSE AND TRUE TO SHAPE

9. OTHER 9.1. ASPHALTIC CONCRETE SHALL CONFORM TO RMS. SPECIFICATION 9.2. ALL BASECOURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH RMS. FORM 3051 (UNBOUND), RMS. FORM 3052 (BOUND) COMPACTED TO MINIMUM 98% MODIFIED

COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m<sup>3</sup> BASECOURSE MATERIAL PLACED. 9.3. ALL SUB-BASE COURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH RMS. FORM 3051, 3051.1 AND COMPACTED TO MINIMUM 95% MODIFIED DENSITY IN ACCORDANCE WITH A.S 1289 5.2.1. FREQUENCY OF COMPACTION TESTING SHALL

DENSITY IN ACCORDANCE WITH AS 1289 5.2.1. FREQUENCY OF

NOT BE LESS THAN 1 TEST PER 50m<sup>3</sup> OF SUB-BASE COURSE MATERIAL PLACED. 9.4. AS AN ALTERNATIVE TO THE USE OF IGNEOUS ROCK AS A SUB-BASE MATERIAL IN (9.2) A CERTIFIED RECYCLED CONCRETE MATERIAL COMPLYING WITH RMS. FORM 3051 AND 3051.1 WILL BE CONSIDERED. SUBJECT TO MATERIAL SAMPLES AND APPROPRIATE CERTIFICATIONS

9.5. SHOULD THE CONTRACTOR WISH TO USE A RECYCLED PRODUCT THIS SHALL BE CLEARLY INDICATED IN THEIR TENDER AND THE PRICE DIFFERENCE BETWEEN AN IGNEOUS PRODUCT AND A RECYCLED PRODUCT SHALL BE CLEARLY INDICATED. THIS PRODUCT SHALL BE REVIEWED AND APPROVED BY THE ENGINEER.

BEING PROVIDED TO THE SATISFACTION OF STANTEC.

#### H ISSUED FOR REF ΑT 2025.01.17 AT VE G ISSUED FOR DA 2024.11.06 F 100% SCHEMATIC DESIGN 2024.06.06 MDR JMB JMB MDR 100% SCHEMATIC DESIGN LPT 2024.05.06 LPT LPT 100% SCHEMATIC DESIGN 2024.03.21 95% SCHEMATIC DESIGN 2024.02.09 LPT B 50% SCHEMATIC DESIGN 2023.12.11 A CONCEPT DESIGN MDR 2022.03.31 Ву Appd YYYY.MM.DD Issued/Revision

**APPROVAL** 

Issue Status

CLASS E

**NOT FOR CONSTRUCTION** 

This document is suitable only for the purpose noted above. Use of this document for any other purpose is not permitted.

Colour Disclaimer This drawing has been documented in colour. This drawing is required to be printed in colour. Failure to do so may result inloss of information. Black and white printing may be used if specific black and white documents have been obtained from Stantec. Notes

Copyright Reserved The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorised by Stantec is forbidden.
The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without dela

Stantec Australia Pty. Ltd.

Level 9, The Forum

203 Pacific Highway

Tel: +61 2 8484 7000

St Leonards, NSW 2065



SINSW

Client/Project

LEPPINGTON PUBLIC SCHOOL UPGRADE

File Name: LPS-STA-00-XX-DR-C-007-001.DWG 2022.03.31 Dwn. Dsgn. Chkd. YYYY.MM.DD

RICKARD ROAD, LEPPINGTON, NSW 2179

Project No. 304000722

NTS

Scale

Revision LPS-STA-00-XX-DR-C-007-001

GENERAL NOTES

SHEET 1 OF 2

RETAINING WALL NOTES

- BASE MATERIAL SHALL BE COMPACTED TO MINIMUM 98% SMDD WITHIN 2% OF STANDARD OPTIMUM MOISTURE CONTENT (SMOC) DETERMINED BY THE STANDARD COMPACTION TEST IN ACCORDANCE WITH THE CURRENT AUSTRALIAN STANDARD AS 1289.5.1.1 MINIMUM ALLOWABLE BEARING PRESSURE OF 150kPa. GEOTECHNICAL ENGINEER EMPLOYED BY CONTRACTOR TO INSPECT AND CONFIRM.
- DRAINAGE MATERIAL WITHIN AND IMMEDIATELY BEHIND THE WALL SHALL BE 12-20mm CLEAN AGGREGATE. DRAINAGE MATERIAL TO EXTEND A MINIMUM OF 300mm BEHIND THE RETAINING WALL. COMPACT THE DRAINAGE MATERIAL. ALTERNATIVELY, USE NO FINES CONCRETE AS FOLLOWS:-
- 2.1. CONCRETE STRENGTH N15
- 2.2. 210kg/m<sup>3</sup> PORTLAND CEMENT
- 2.3. MAXIMUM AGGREGATE SIZE 20mm
- 2.4. W/C RATIO 0.45 TO 0.55 2.5. DENSITY 1600 TO 2000kg/m<sup>3</sup>
- 3. INFILL SOIL SHALL BE CLASS 1 CONTROLLED FILL TO AS 4678, OR AS SPECIFIED ON THE DRAWINGS. UNSUITABLE SOILS, SUCH AS HEAVY CLAYS OR ORGANIC SOILS WITH HIGH PLASTICITY, SHALL NOT BE USED IN THE REINFORCED SOIL MASS.
- 4. SPREAD BACKFILL IN UNIFORM LIFTS OF 200mm UNCOMPACTED THICKNESS. COMPACT TO 95% SMDD. COMPACTION WITHIN 1.0m BEHIND THE WALL SHALL BE ACCOMPLISHED USING A HAND-OPERATED PLATE COMPACTOR AND SHALL BEGIN BY RUNNING THE PLATE DIRECTLY ON THE BLOCK, THEN COMPACTING IN PARALLEL PATHS, PROGRESSIVELY AWAY FROM THE WALL FACE.
- WHERE ROADWAYS OR BUILDING STRUCTURES ARE LOCATED ABOVE THE REINFORCED ZONE, COMPACT TO 98% SMDD WITHIN 2% OF SMOC DETERMINED BY THE STANDARD COMPACTION TEST IN ACCORDANCE WITH AS 1289.5.1.1. COMPACTION TESTING SHALL BE TAKEN 1.2m BEHIND THE WALL.

	·			
	·			
Н	ISSUED FOR REF	HAL	AT	2025.01.17
G	ISSUED FOR DA	HAL	AT	2024.11.06
F	100% SCHEMATIC DESIGN	LPT	VE	2024.06.06
Е	100% SCHEMATIC DESIGN	LPT	MDR	2024.05.06
D	100% SCHEMATIC DESIGN	LPT	JMB	2024.03.21
С	95% SCHEMATIC DESIGN	LPT	JMB	2024.02.09
В	50% SCHEMATIC DESIGN	LPT	MDR	2023.12.11
Α	CONCEPT DESIGN	LPT	MDR	2022.03.31
Issi	Jed/Revision	Ву	Appd	YYYY.MM.DE
	·			

Issue Status

**APPROVAL** NOT FOR CONSTRUCTION

This document is suitable only for the purpose noted above. Use of this document for any other purpose is not permitted.

Colour Disclaimer This drawing has been documented in colour. This drawing is required to be printed in colour. Failure to do so may result inloss of information. Black and white printing may be used if specific

black and white documents have been obtained from Stantec.

Notes



or use for any purpose other than that authorised by Stantec is forbidden.
The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay.

Stantec Australia Pty. Ltd. Level 9, The Forum 203 Pacific Highway St Leonards, NSW 2065 Tel: +61 2 8484 7000

Copyright Reserved The Copyrights to all designs and drawings are the property of Stantec. Reproduction Client/Project Logo Education School Infrastructure

Client/Project SINSW

File Name: LPS-STA-00-XX-DR-C-007-001.DWG

SHEET 2 OF 2

GENERAL NOTES

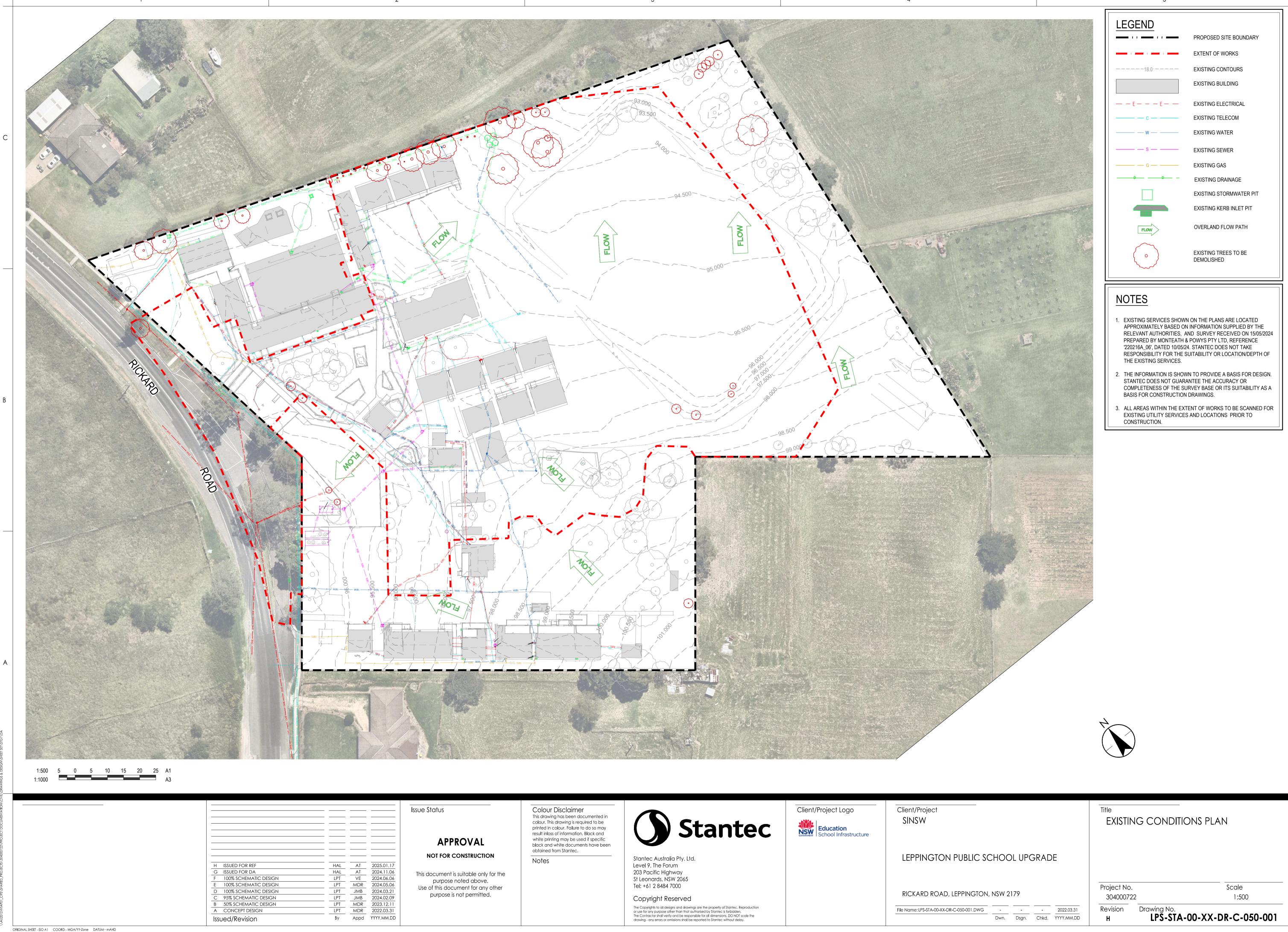
LEPPINGTON PUBLIC SCHOOL UPGRADE

RICKARD ROAD, LEPPINGTON, NSW 2179

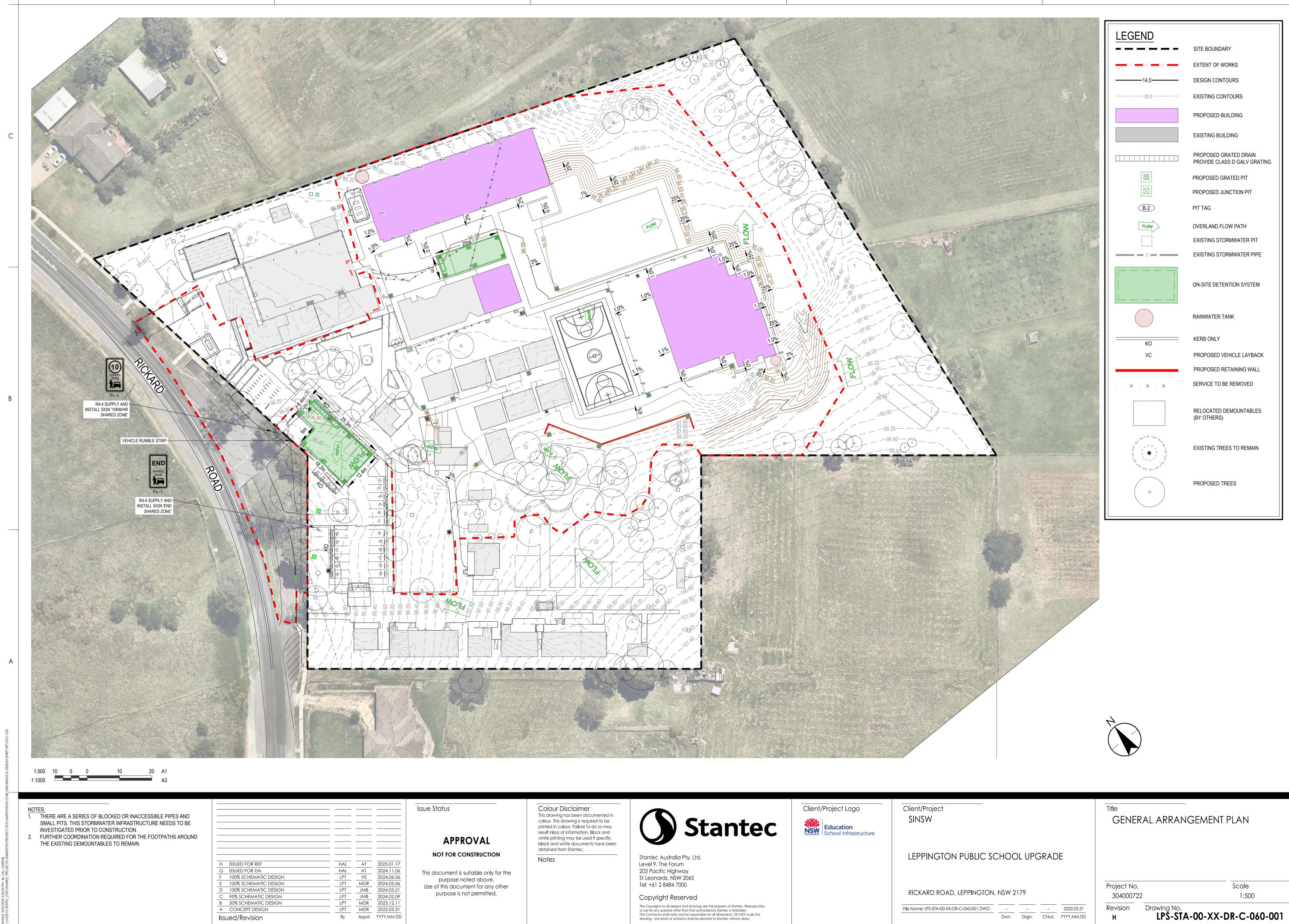
- - 2022.03.31

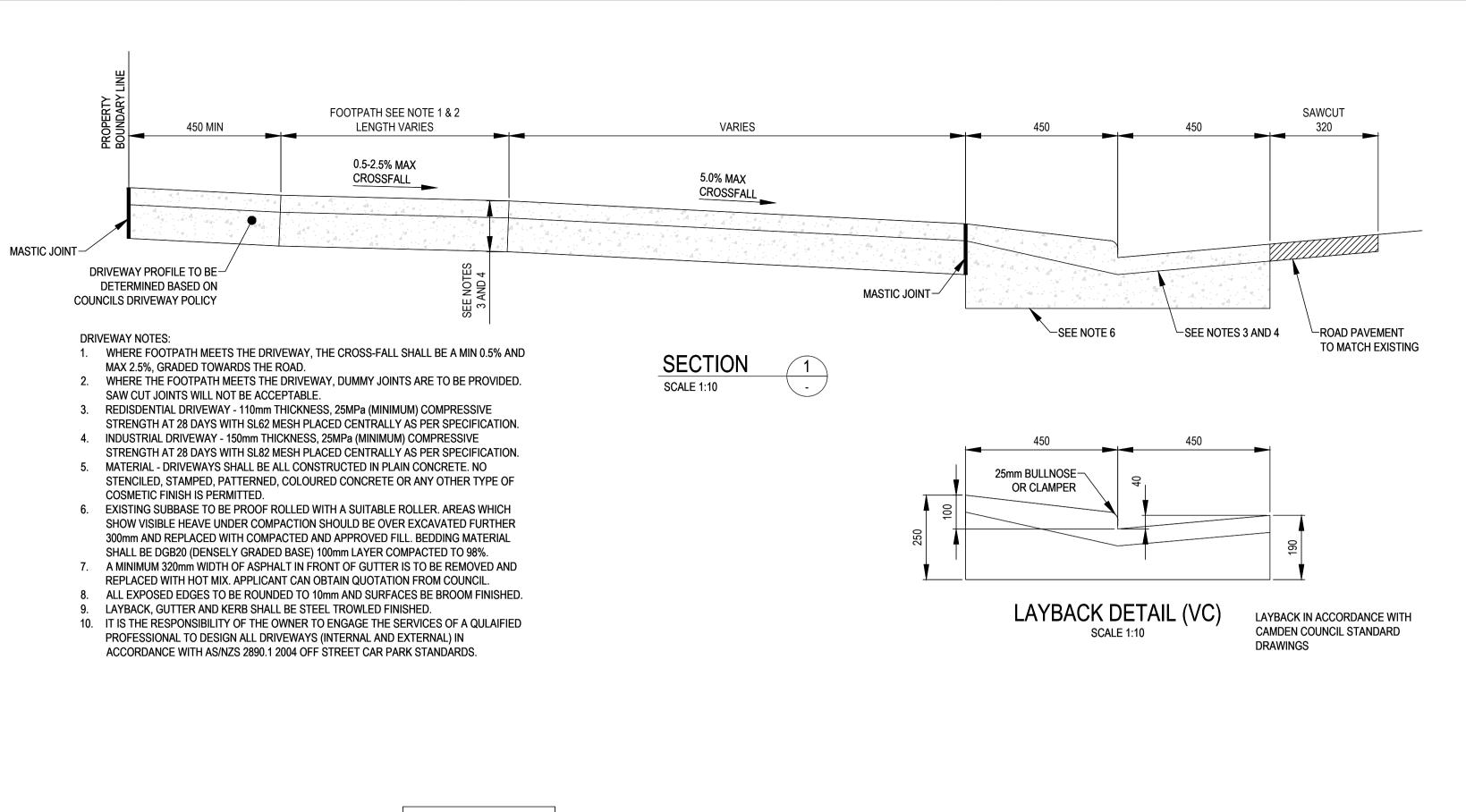
Dwn. Dsgn. Chkd. YYYY.MM.DD Revision

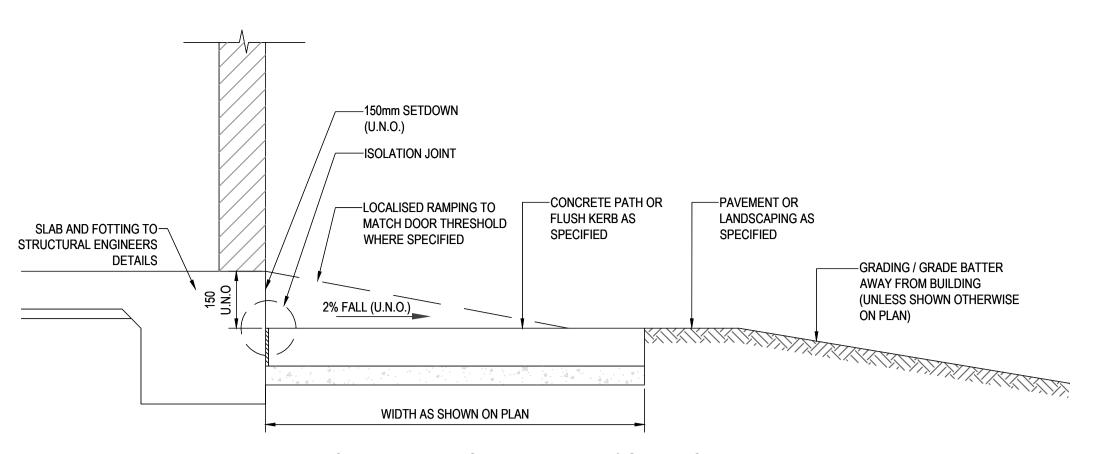
Project No. Scale 304000722 NTS LPS-STA-00-XX-DR-C-007-002



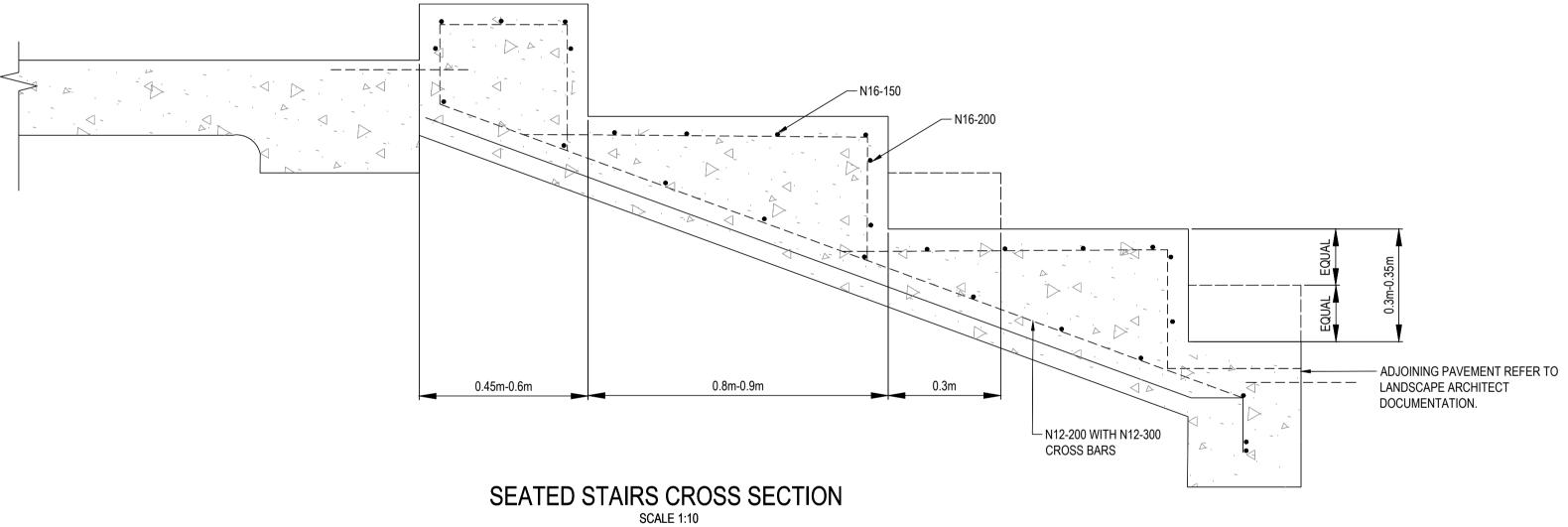
Hed: 3/02/2025 2:29:40 PM By; LAL, HARSHIL

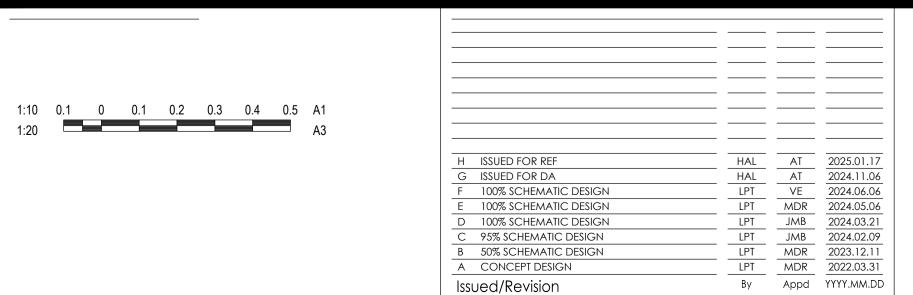






TYPICAL BUILDING PERIMETER/ SET DOWN





Issue Status

# **APPROVAL**

NOT FOR CONSTRUCTION

Colour Disclaimer

obtained from Stantec.

Notes

This drawing has been documented in

colour. This drawing is required to be

printed in colour. Failure to do so may result inloss of information. Black and white printing may be used if specific

black and white documents have been

This document is suitable only for the purpose noted above. Use of this document for any other purpose is not permitted.



The Copyrights to all designs and drawings are the property of Stantec. Reproduction

or use for any purpose other than that authorised by Stantec is forbidden.
The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay.

Stantec Australia Pty. Ltd. Level 9, The Forum 203 Pacific Highway St Leonards, NSW 2065 Tel: +61 2 8484 7000 Copyright Reserved

Client/Project Logo Education School Infrastructure

Client/Project SINSW

LEPPINGTON PUBLIC SCHOOL UPGRADE

- - 2022.03.31

Dwn. Dsgn. Chkd. YYYY.MM.DD

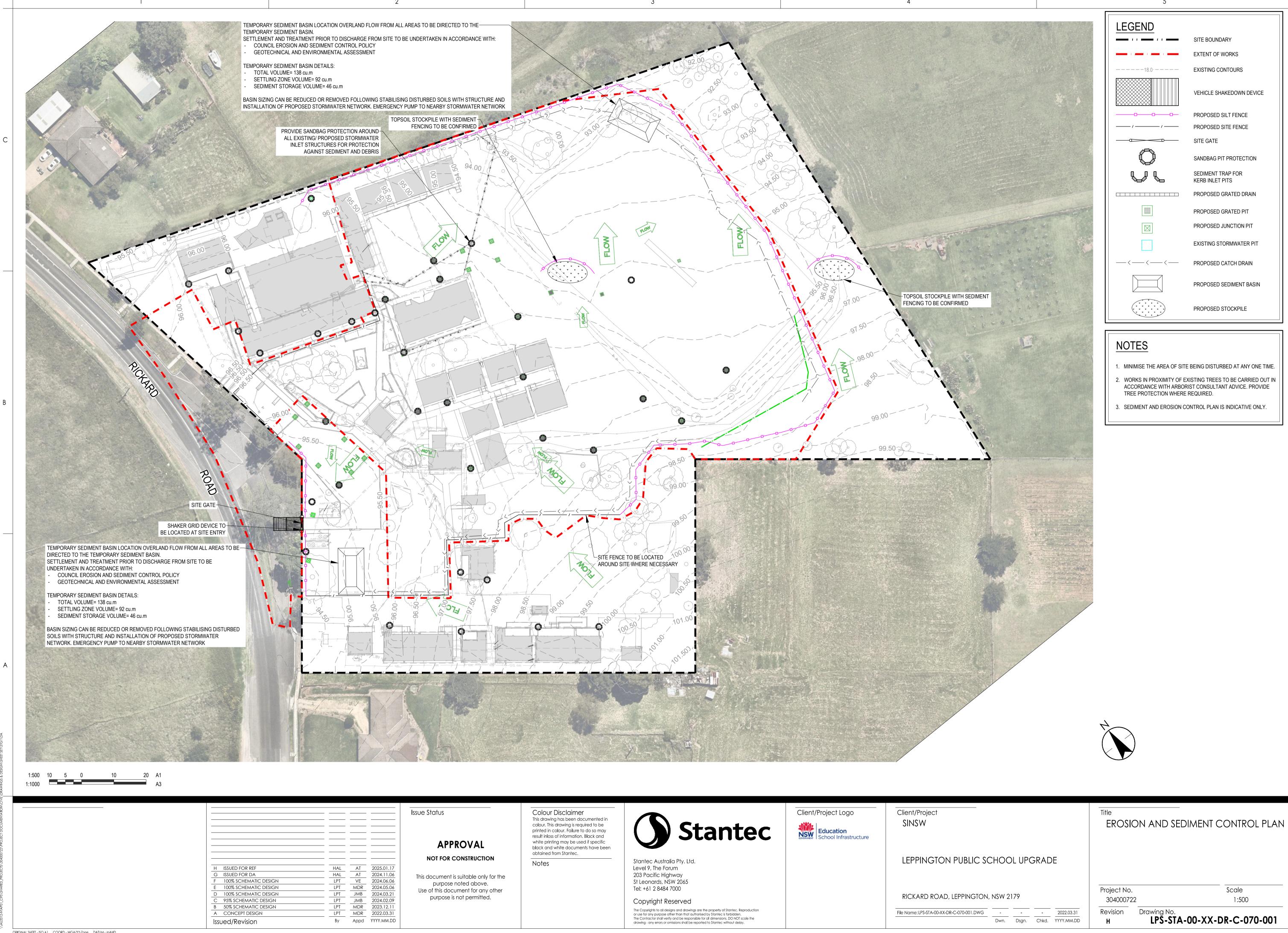
RICKARD ROAD, LEPPINGTON, NSW 2179

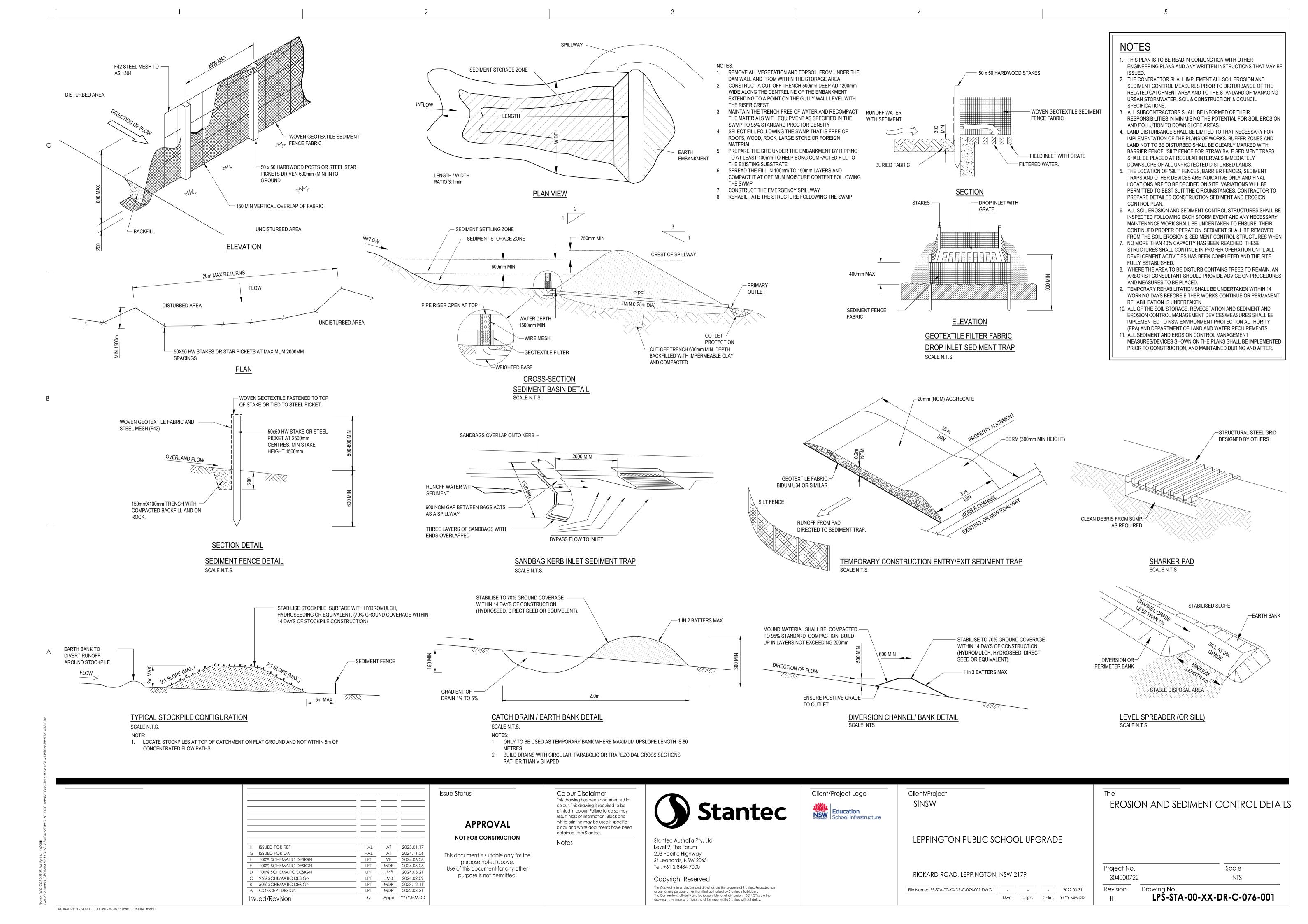
File Name: LPS-STA-00-XX-DR-C-066-001.DWG

SITEWORKS DETAILS

Project No. 304000722 Revision

Scale 1:10 Drawing No. LPS-STA-00-XX-DR-C-066-001





95.75 BEL RL 96.01 BEL RL 95.95

Colour Disclaimer

obtained from Stantec.

**LEGEND** SITE BOUNDARY EXTENT OF WORKS BULK EARTHWORKS CONTOURS **EXISTING CONTOURS** BULK EARTHWORKS LEVEL

#### NOTES

- VOLUMES ARE INDICATIVE ONLY AND ARE BASED ON A
   COMPARISON BETWEEN THE DESIGN SURFACE AND THE SURVEYED SURFACE.
- AND MAY NOT REFLECT DETAILED EARTHWORKS.
- 3. NO ALLOWANCE HAS BEEN MADE FOR BULKING FACTORS.
- 4. NO ALLOWANCE HAS BEEN MADE FOR DETAILED EARTHWORKS; ie ON SITE DETENTION TANKS, RAINWATER TANK, SERVICE TRENCHING, DETAILED EXCAVATION, FOOTINGS, RETAINING WALLS, PAVEMENT BOXING, BUILDING SLABS AND THE LIKE.

2. NOTE THAT ALL VOLUMES DEPICTED ARE SOLID VOLUMES ONLY

- 5. THE CONTRACTOR SHALL USE FINAL SURFACE LEVELS AND TYPICAL PAVEMENT DETAILS FOR ACTUAL EARTHWORKS LEVELS.
- 6. TOPSOIL STRIPPING OF 200mm HAS BEEN ASSUMED FOR THE PURPOSE OF THE BULK EARTHWORKS. REFER GEOTECH REPORT FOR FURTHER INFORMATION.
- 7. BULK EARTHWORKS CUT/FILL VOLUME CONSIDERATIONS: - 200mm TOPSOIL HAS BEEN CONSIDERED TO BE REMOVED.. - 400mm THICKNESS FOR TRAFFICABLE PAVEMENT.
- 8. REFER STRUCTURAL DRAWINGS FOR SLAB THICKNESS OF NEW LEARNING HUB, CANTEEN & LIBRARY EXTENSION BUILDINGS.
- 9. THE SURVEY SURFACE AS PROVIDED HAS BEEN UTILISED FOR COMPARISON PURPOSES.
- 10. STANTEC DOES NOT TAKE RESPONSIBILITY FOR ACCURACY OF EXISTING SURVEY.
- 11. BULK EARTHWORKS DOES NOT TAKE INTO CONSIDERATION ANY CONTAMINDATED MATERIAL AND ANY REMEDIATION STRATEGY

#### CUT / FILL DEPTH RANGE | Number | Minimum Elevation | Maximum Elevation | Color -2.50 -3.00 -2.50 -2.00 3 -2.00 -1.50 -1.00 -0.50 -0.50 0.00 6 0.00 0.50 1.00 8 0.50 1.50 1.00 10 1.50 2.00

CUT AND FILL VOLUME

2.50

3.00

CUT: 1,472m<sup>3</sup>
FILL: 4,084 m<sup>3</sup>
NET: 2,612m<sup>3</sup> (FILL)

2.00

2.50

11

12



 
 HAL
 AT
 2025.01.17

 HAL
 AT
 2024.11.06

 LPT
 VE
 2024.06.06

 LPT
 MDR
 2024.05.06

 LPT
 JMB
 2024.03.21

 LPT
 JMB
 2024.02.09

 LPT
 MDR
 2023.12.11

 LPT
 MDR
 2022.03.31

 By
 Appd
 YYYY.MM.DD
 H ISSUED FOR REF G ISSUED FOR DA F 100% SCHEMATIC DESIGN E 100% SCHEMATIC DESIGN D 100% SCHEMATIC DESIGN 95% SCHEMATIC DESIGN B 50% SCHEMATIC DESIGN A CONCEPT DESIGN Issued/Revision

Issue Status

# **APPROVAL**

NOT FOR CONSTRUCTION

This document is suitable only for the purpose noted above. Use of this document for any other purpose is not permitted.

This drawing has been documented in Stantec colour. This drawing is required to be printed in colour. Failure to do so may result inloss of information. Black and white printing may be used if specific black and white documents have been

Stantec Australia Pty. Ltd. Level 9, The Forum 203 Pacific Highway St Leonards, NSW 2065 Tel: +61 2 8484 7000

Copyright Reserved The Copyrights to all designs and drawings are the property of Stantec. Reproduction

or use for any purpose other than that authorised by Stantec is forbidden.
The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay.

Education School Infrastructure

Client/Project Logo

Client/Project SINSW

LEPPINGTON PUBLIC SCHOOL UPGRADE

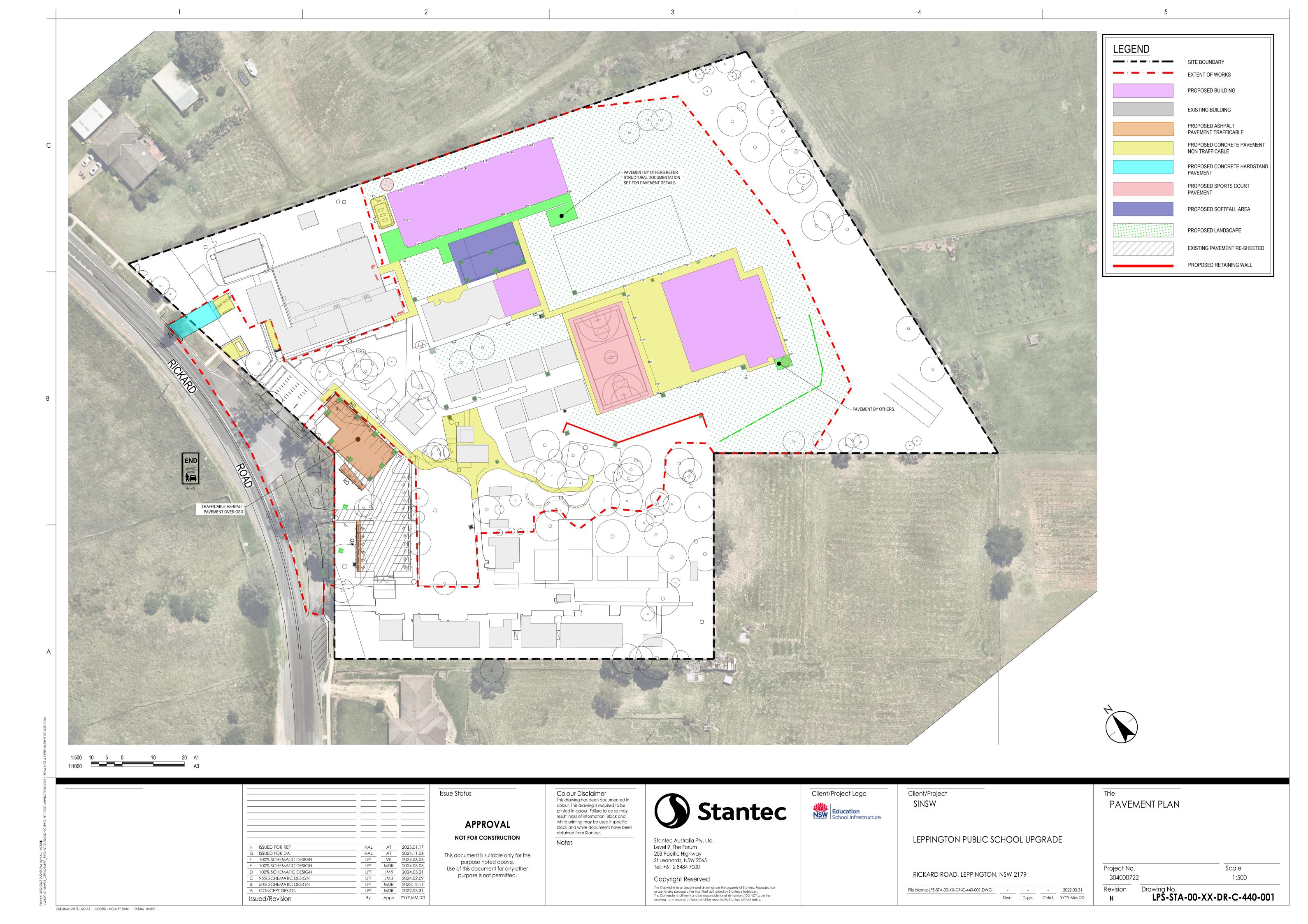
RICKARD ROAD, LEPPINGTON, NSW 2179 - - 2022.03.31 File Name: LPS-STA-00-XX-DR-C-100-001.DWG Dwn. Dsgn. Chkd. YYYY.MM.DD

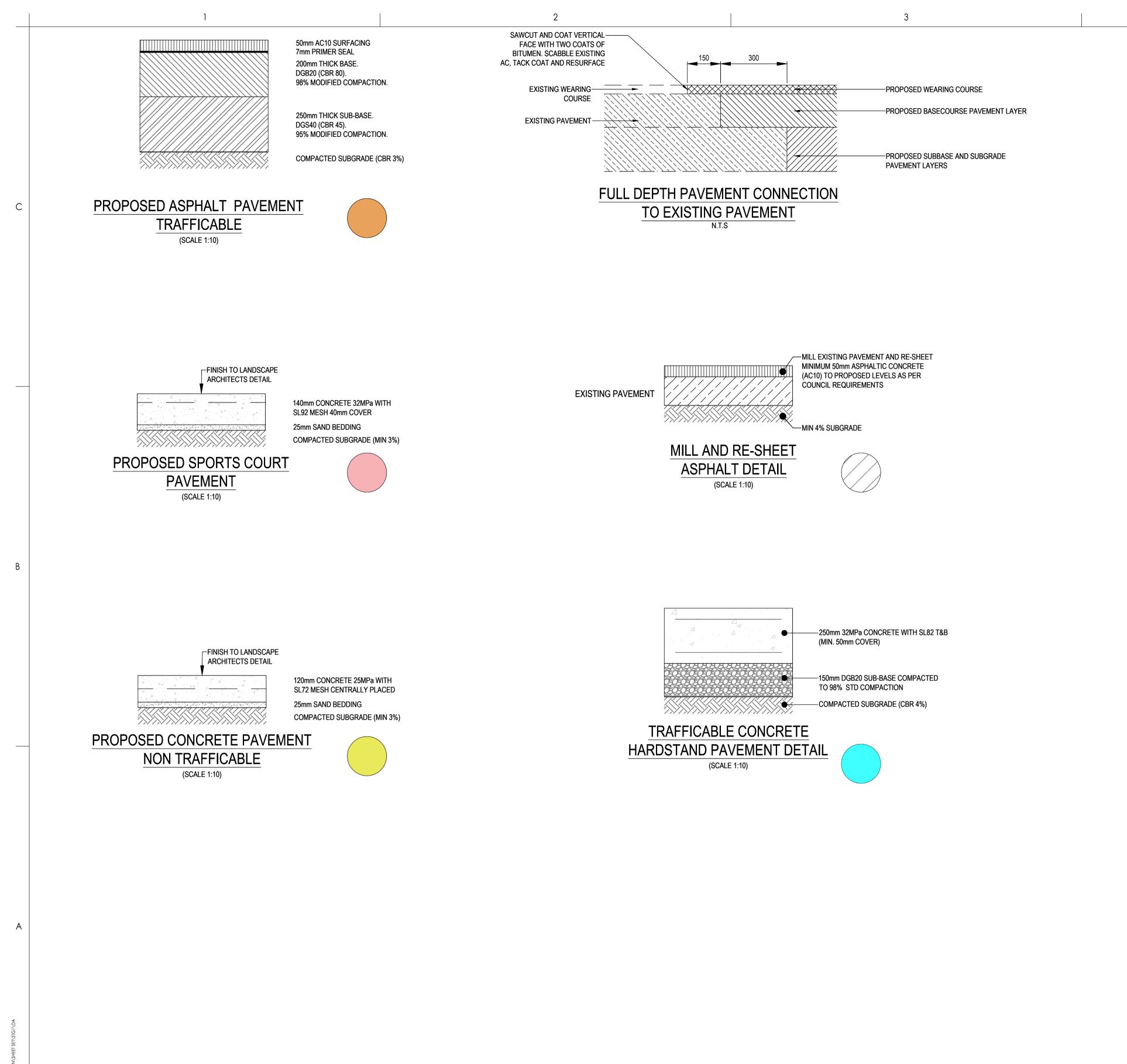
BULK EARTHWORKS PLAN

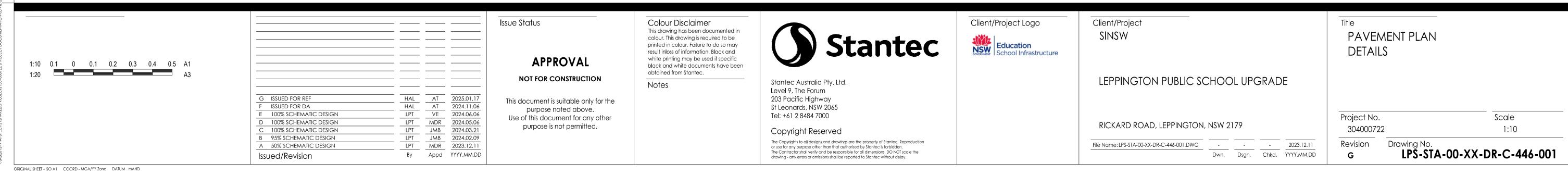
Project No. Scale 304000722 1:500

Drawing No.

LPS-STA-00-XX-DR-C-100-001 Revision







NOMINAL KERB FACE. NOTE

25MPa CONCRETE (STEEL-TROWEL FINISH) -

WEARING COURSE (AS SPECIFIED)

COMPACTED BASE (AS SPECIFIED)

COMPACTED SUBBASE (AS SPECIFIED)

COMPACTED SUBGRADE (AS SPECIFIED)

PROPOSED LEVELS AT

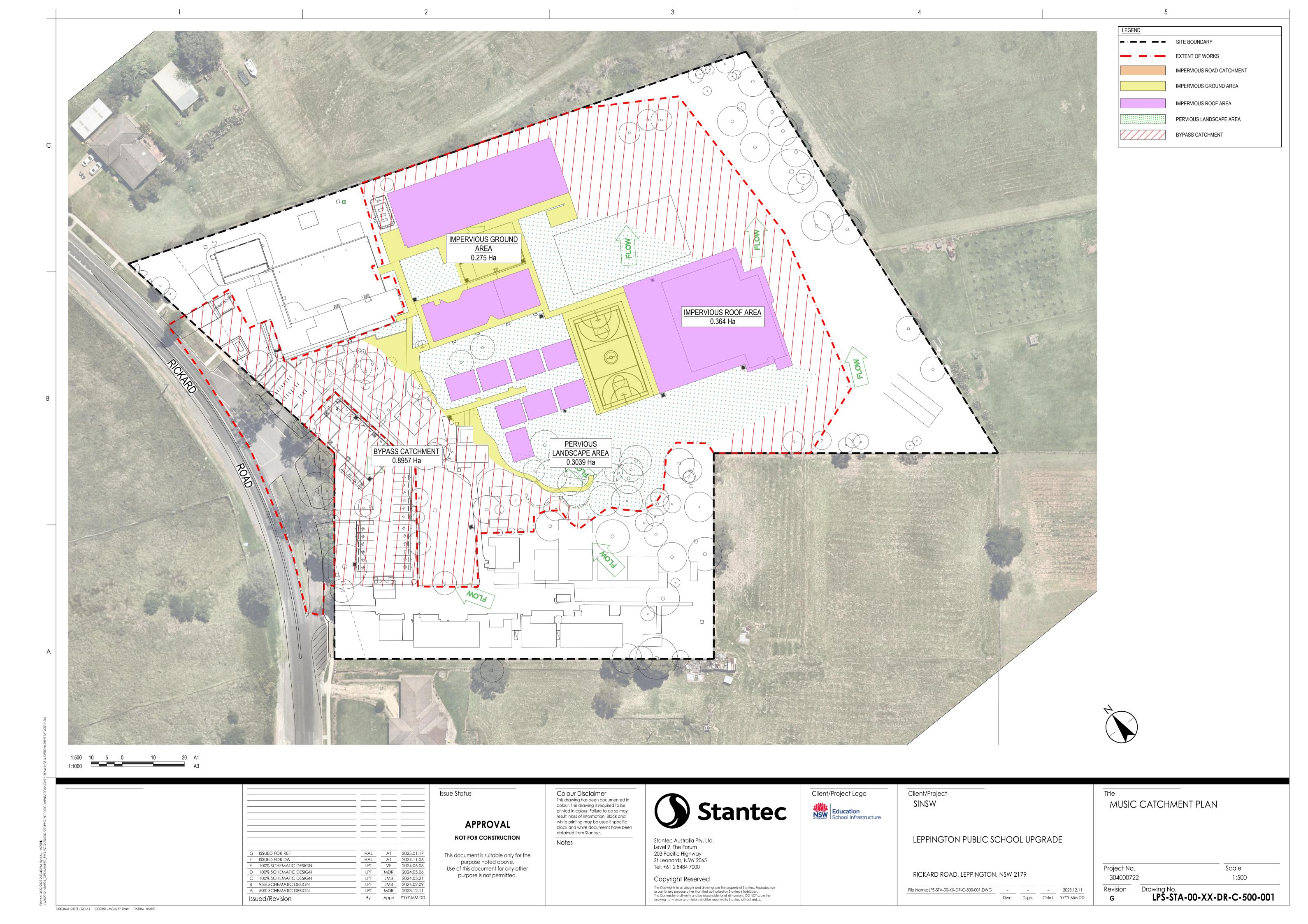
0.125m 0.150m

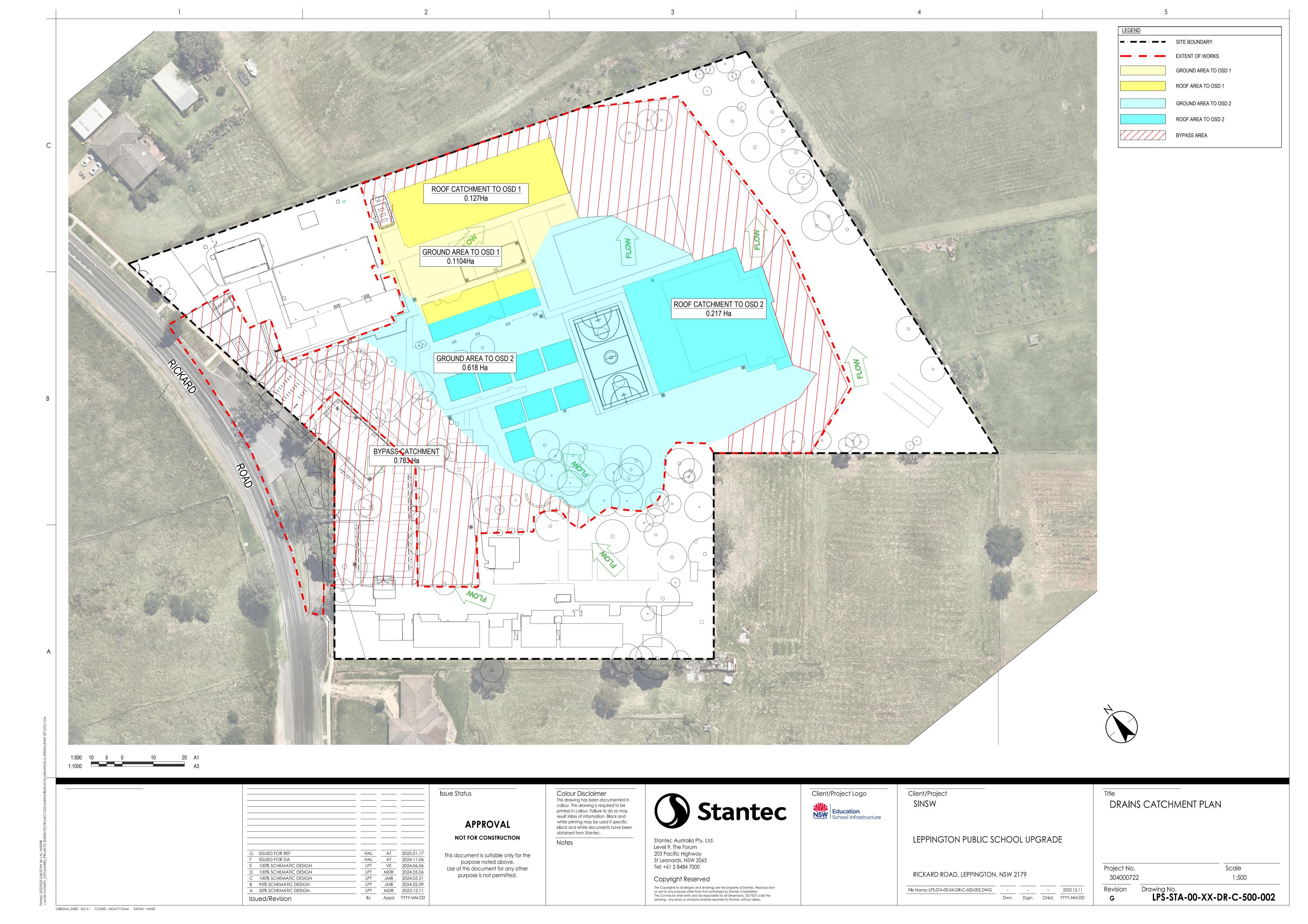
KERB ONLY 'KO' DETAIL

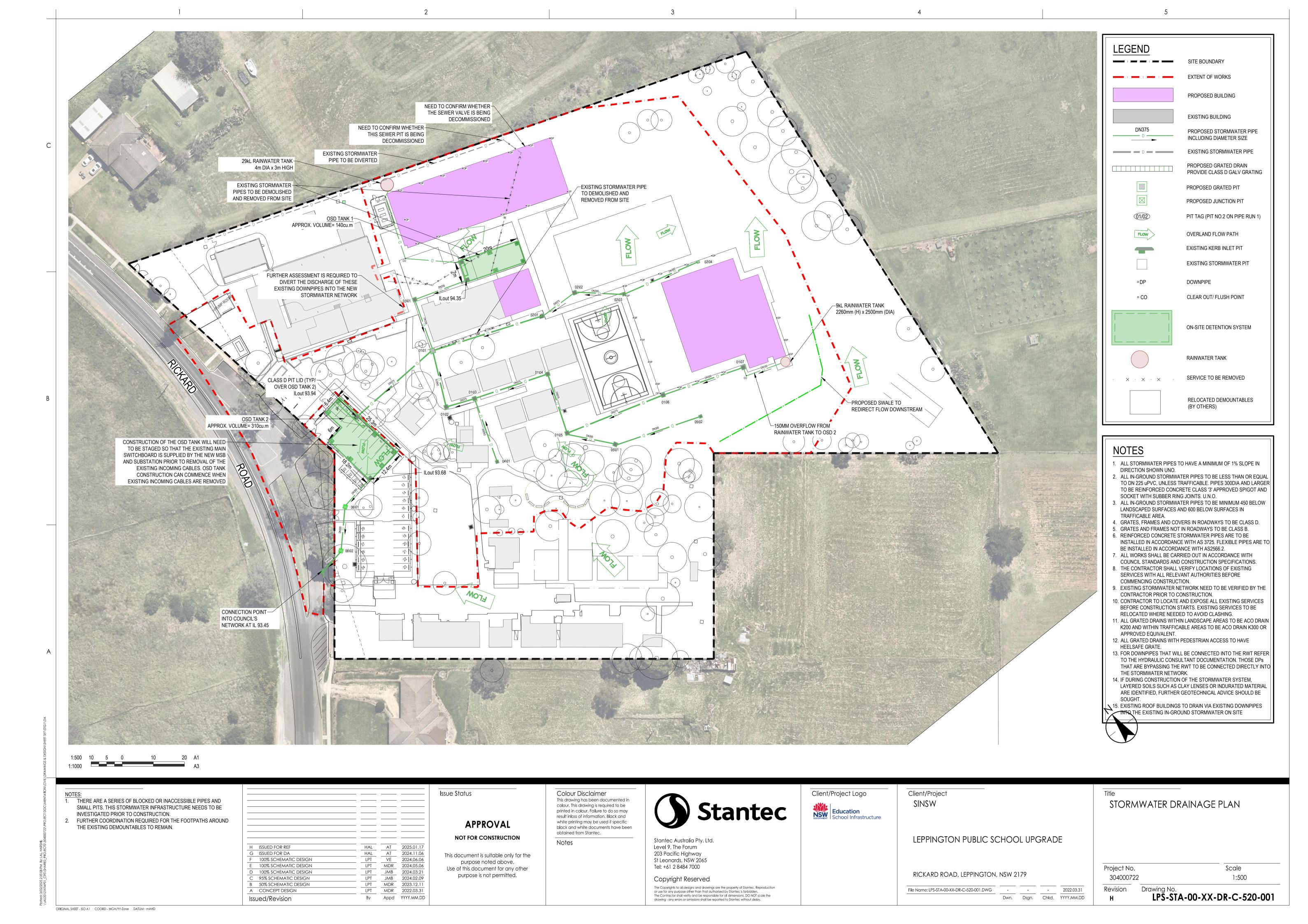
(SCALE 1:10)

INVERT OF KERB U.N.O.

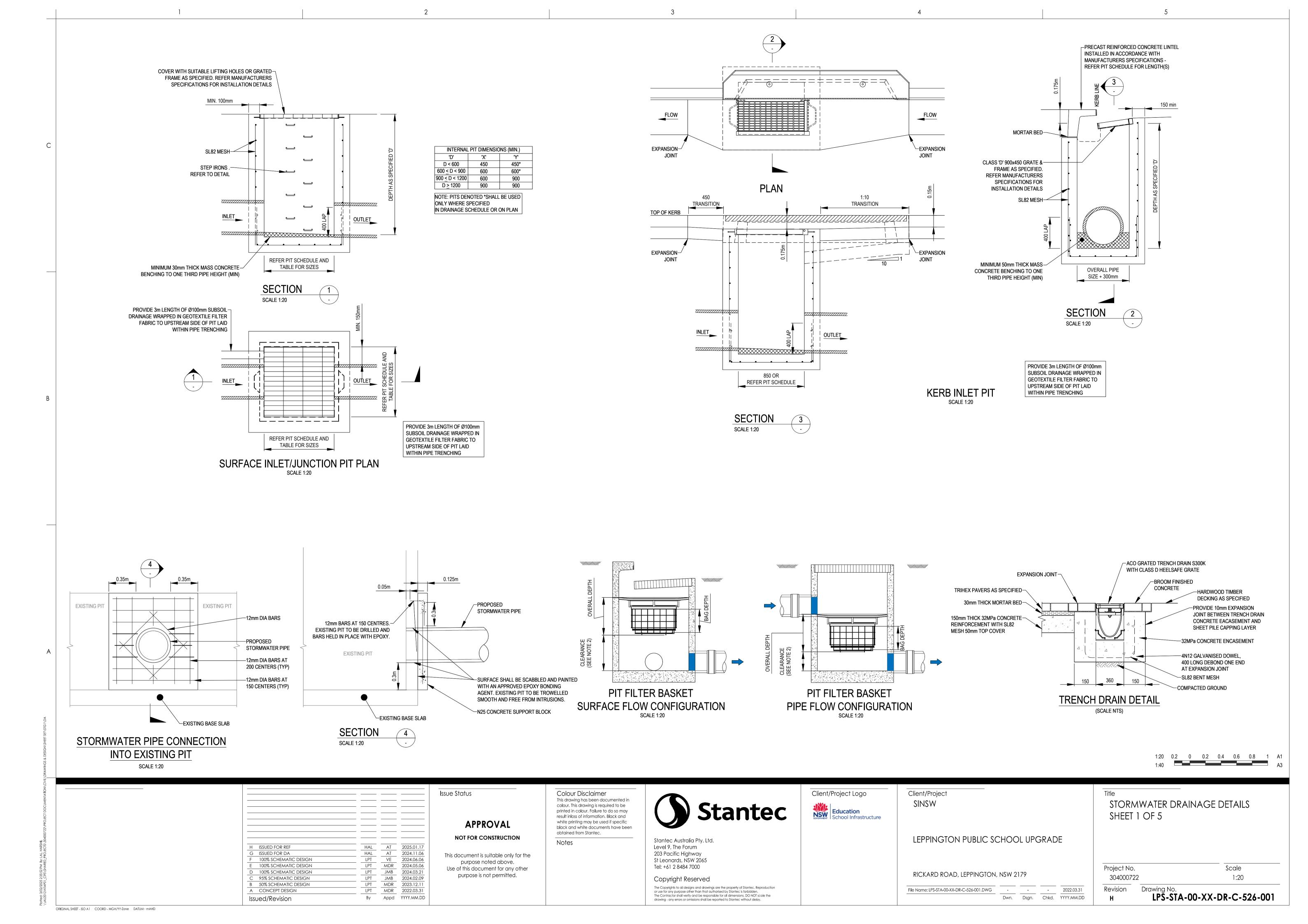
Plotted: 3/02/2025 2:33:11 PM BY: LAL, HARSHIL V VALIONIS NIT BOX CIECK FLA BED, BED, BETT FOR INJENTATION CHAIN CHAIN AND ANNINCE & DEBITAN FLEE

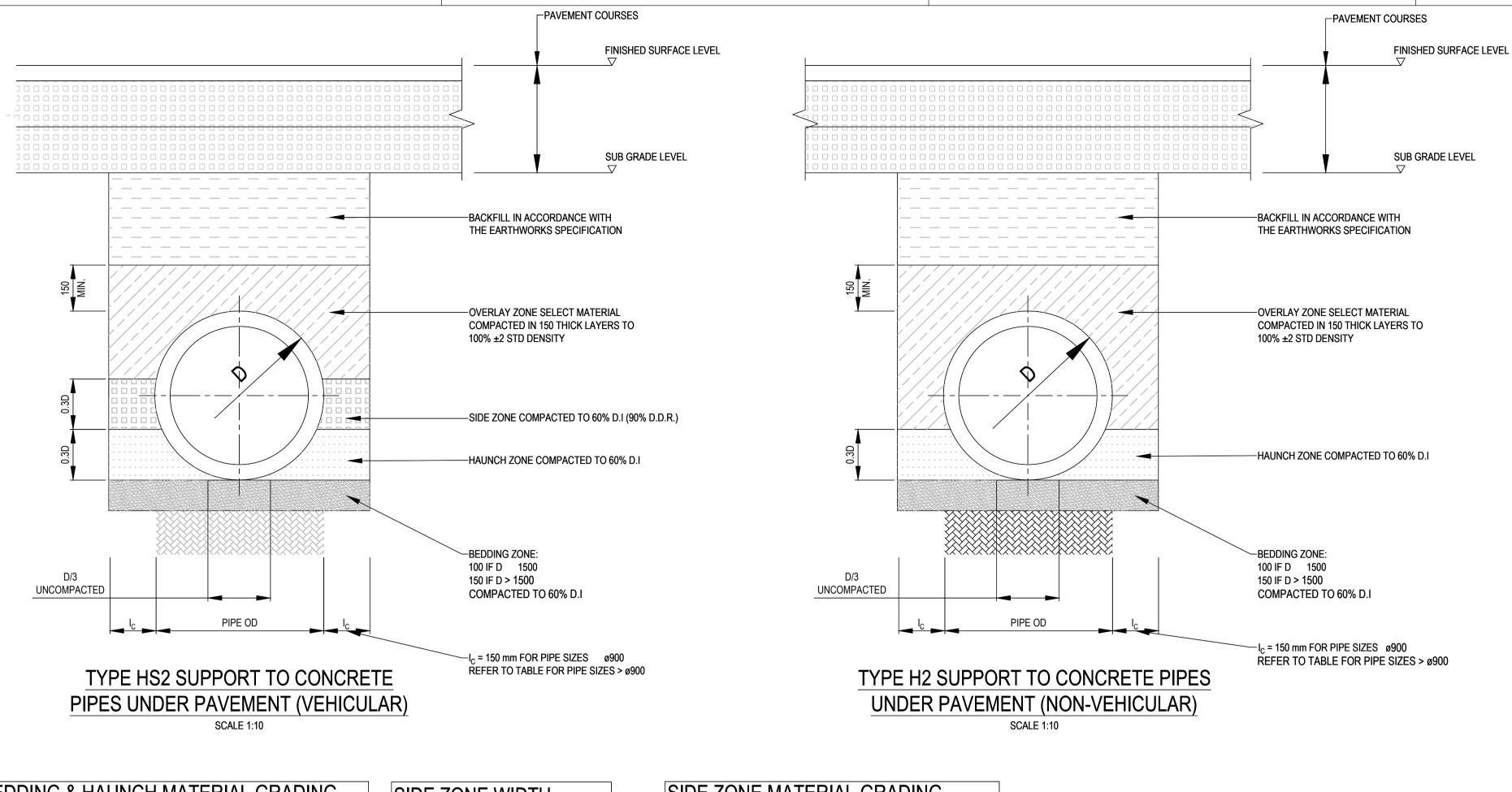


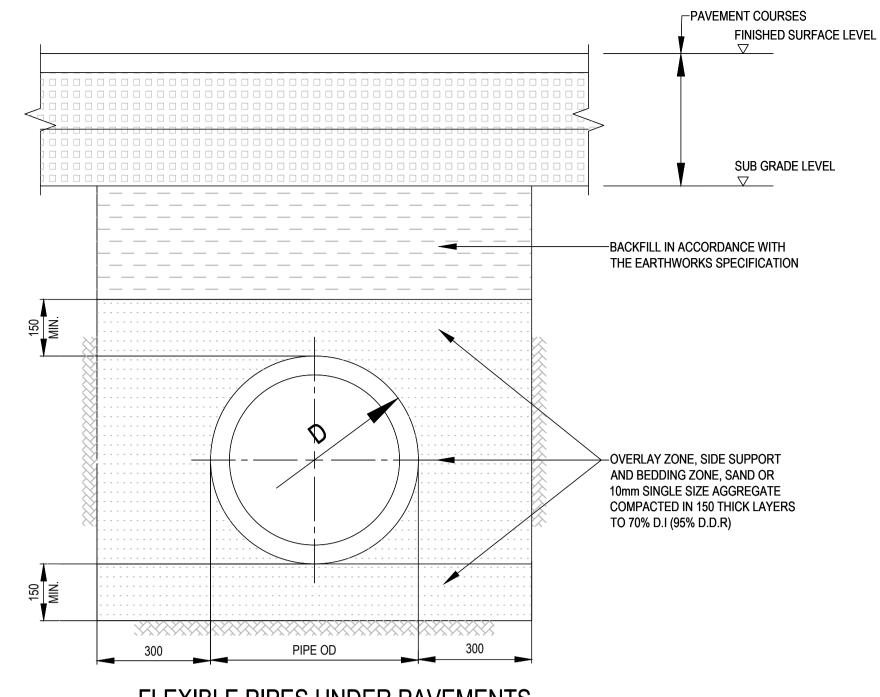












# FLEXIBLE PIPES UNDER PAVEMENTS

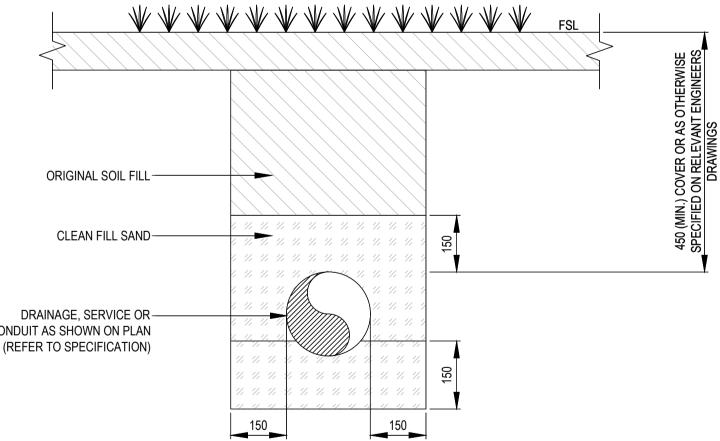
SAND GRADING (TABLE G3 AS 2566.2)					
SIEVE SIZE (mm)	WEIGHT PASSING (%)				
4.75	100 TO 90				
2.36	90 TO 100				
1.18	85 TO 100				
0.60	70 TO 100				
0.30	50 TO 100				
0.15	0 TO 40				
0.075	0 TO 5				

10mm SINGLE-SIZE AGGREGATE GRADING (TABLE G2 AS 2566.2)						
SIEVE SIZE (mm) WEIGHT PASSING (%)						
13.20	100					
9.50	85 TO 100					
4.75	0 TO 20					
2.36 0 TO 5						
0.075 0 TO 2						

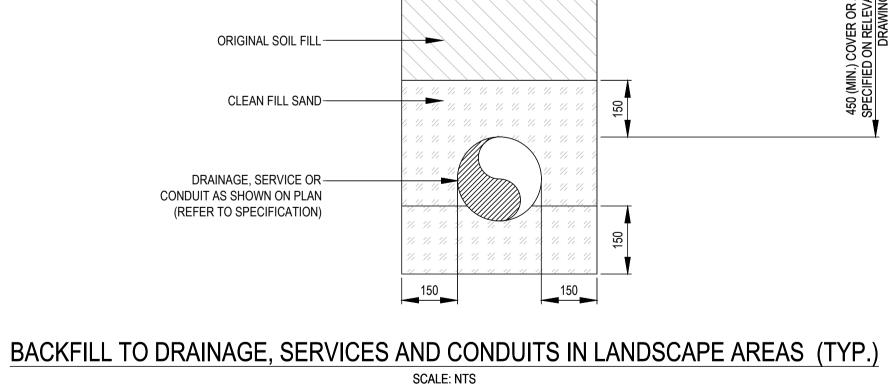
BEDDING & HAUNCH MATERIAL GRADING					
(TABLE 6 AS/NZS 3725)					
SIEVE SIZE (mm)	WEIGHT PASSING (%)				
19.00	100				
2.36	100 TO 50				
0.60	90 TO 20				
0.30	60 TO 10				
0.15	25 TO 0				
0.075	10 TO 0				

SIDE ZONE	WIDTH					
PIPE SIZE (mm)   I <sub>C</sub> (mm)						
ø900	150					
ø1050	175					
ø1200	200					
ø1350	225					
ø1500	250					
ø1650	275					
~1900	200					

SIDE ZONE MATERIAL GRADING							
(TABLE 7 AS/NZS 3725)							
SIEVE SIZE (mm)	WEIGHT PASSING (%)						
19.00	100						
9.50	100 TO 50						
2.60	100 TO 30						
0.60	50 TO 15						
0.075	25 TO 0						



- 1. TYPICAL DETAIL TO BE USED FOR ALL DRAINAGE SERVICES RUNNING UNDER LANDSCAPE 2. DRAINAGE INCLUDES ALL GRAVITY SERVICES (INCLUDES CONCRETE AND PLASTIC PIPES)
- 3. SERVICES INCLUDES ALL PRESSURE PIPES
- 4. FOR NEW SERVICE PIPES OR CONDUITS, REFER TO PLANS FOR SIZES AND LOCATIONS



1:10 0.1 0 0.1 0.2 0.3 0.4 0.5 A1 1:20 A3	H ISSUED FOR REF G ISSUED FOR DA F 100% SCHEMATIC DESIGN E 100% SCHEMATIC DESIGN D 100% SCHEMATIC DESIGN C 95% SCHEMATIC DESIGN B 50% SCHEMATIC DESIGN A CONCEPT DESIGN ISSUED/Revision	HAL HAL LPT LPT LPT LPT LPT LPT LPT By	AT AT VE MDR JMB JMB MDR MDR MDR Appd	2025.01.17 2024.11.06 2024.06.06 2024.05.06 2024.03.21 2024.02.09 2023.12.11 2022.03.31 YYYY.MM.DD	
----------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------	---------------------------------------	----------------------------------------------------------------------------------------------------------------------------	--

Issue Status

# **APPROVAL**

This document is suitable only for the purpose noted above. Use of this document for any other purpose is not permitted.

NOT FOR CONSTRUCTION

Colour Disclaimer This drawing has been documented in colour. This drawing is required to be printed in colour. Failure to do so may result inloss of information. Black and white printing may be used if specific black and white documents have been obtained from Stantec.

Notes

Level 9, The Forum 203 Pacific Highway Tel: +61 2 8484 7000 Copyright Reserved



Stantec Australia Pty. Ltd. St Leonards, NSW 2065

The Copyrights to all designs and drawings are the property of Stantec. Reproduction

or use for any purpose other than that authorised by Stantec is forbidden.

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay.

Client/Project Logo Education School Infrastructure

Client/Project SINSW

LEPPINGTON PUBLIC SCHOOL UPGRADE

- 2022.03.31

Dwn. Dsgn. Chkd. YYYY.MM.DD

RICKARD ROAD, LEPPINGTON, NSW 2179

File Name: LPS-STA-00-XX-DR-C-526-001.DWG

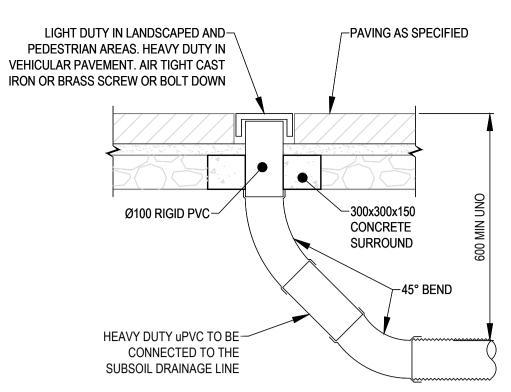
STORMWATER DRAINAGE DETAILS SHEET 2 OF 5

Scale

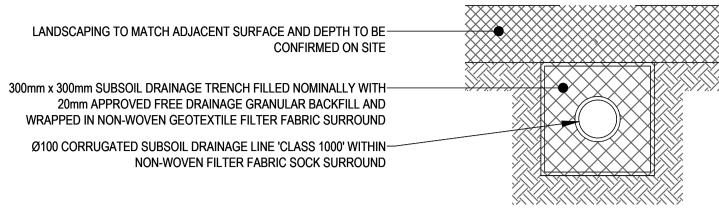
1:10

Project No. 304000722

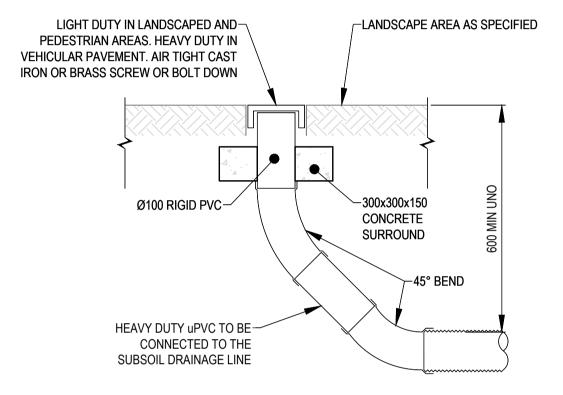
Revision LPS-STA-00-XX-DR-C-526-002



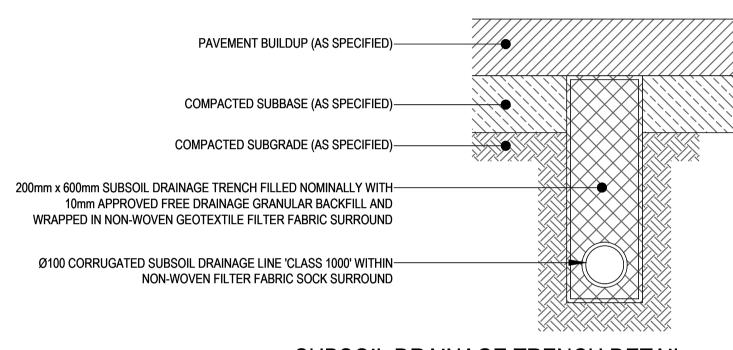
FLUSH OUT RISER IN PAVED AREAS (SCALE 1:10)



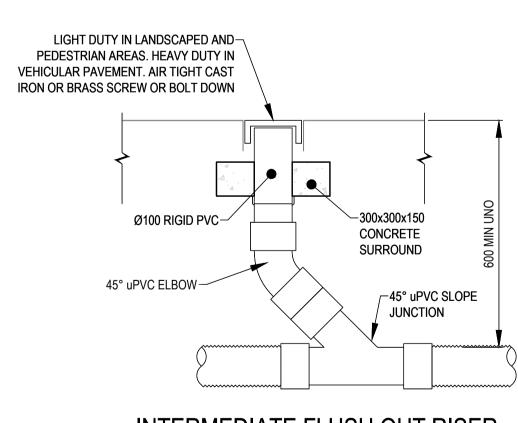
SUBSOIL DRAINAGE TRENCH DETAIL -UNDER LANDSCAPE AREAS



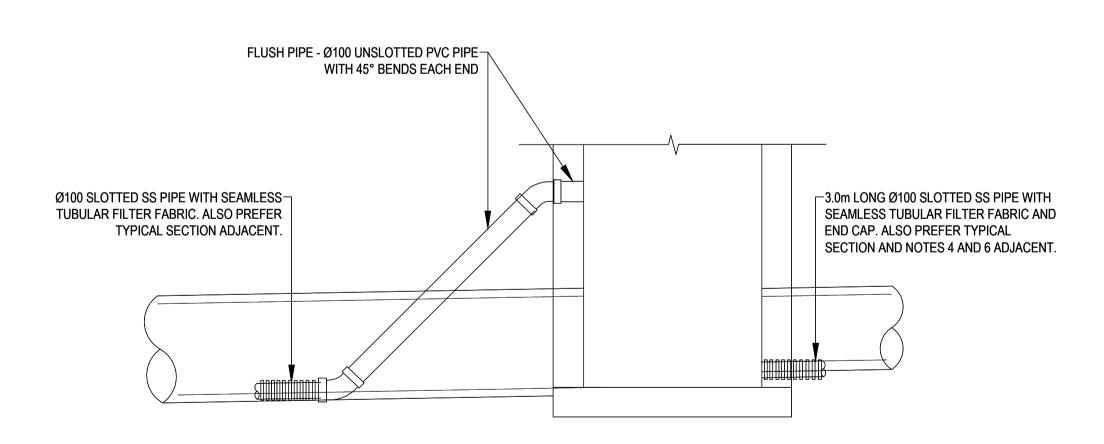
FLUSH OUT RISER IN LANDSCAPED AREAS (SCALE 1:10)







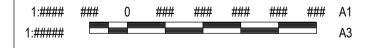




obtained from Stantec.

Notes

SUBSOIL DRAINAGE CONNECTION INTO STORMWATER PIT



AT 2025.01.17
AT 2024.11.06
VE 2024.06.06
MDR 2024.05.06
JMB 2024.03.21
JMB 2024.02.09
MDR 2023.12.11
MDR 2022.03.31 HAL
HAL
LPT
LPT
LPT
LPT
LPT
LPT
LPT H ISSUED FOR REF G ISSUED FOR DA F 100% SCHEMATIC DESIGN E 100% SCHEMATIC DESIGN D 100% SCHEMATIC DESIGN C 95% SCHEMATIC DESIGN B 50% SCHEMATIC DESIGN A CONCEPT DESIGN By Appd YYYY.MM.DD Issued/Revision

Issue Status

**APPROVAL** 

NOT FOR CONSTRUCTION

This document is suitable only for the purpose noted above. Use of this document for any other purpose is not permitted.

Colour Disclaimer This drawing has been documented in colour. This drawing is required to be printed in colour. Failure to do so may result inloss of information. Black and white printing may be used if specific black and white documents have been

Stantec Australia Pty. Ltd.

The Copyrights to all designs and drawings are the property of Stantec. Reproduction

or use for any purpose other than that authorised by Stantec is forbidden.
The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay.

Level 9, The Forum 203 Pacific Highway St Leonards, NSW 2065 Tel: +61 2 8484 7000 Copyright Reserved



Client/Project SINSW

LEPPINGTON PUBLIC SCHOOL UPGRADE

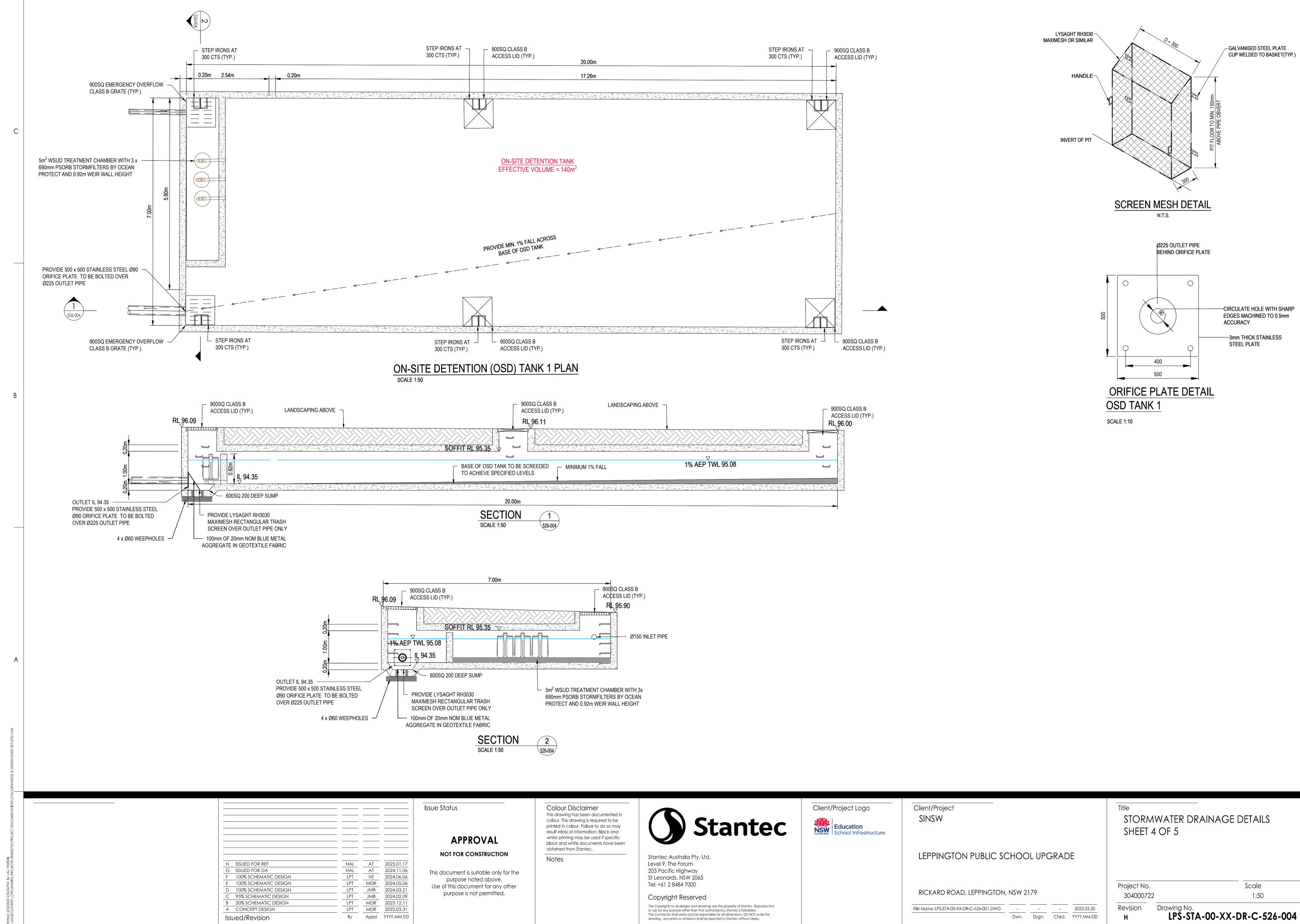
RICKARD ROAD, LEPPINGTON, NSW 2179 - - 2022.03.31

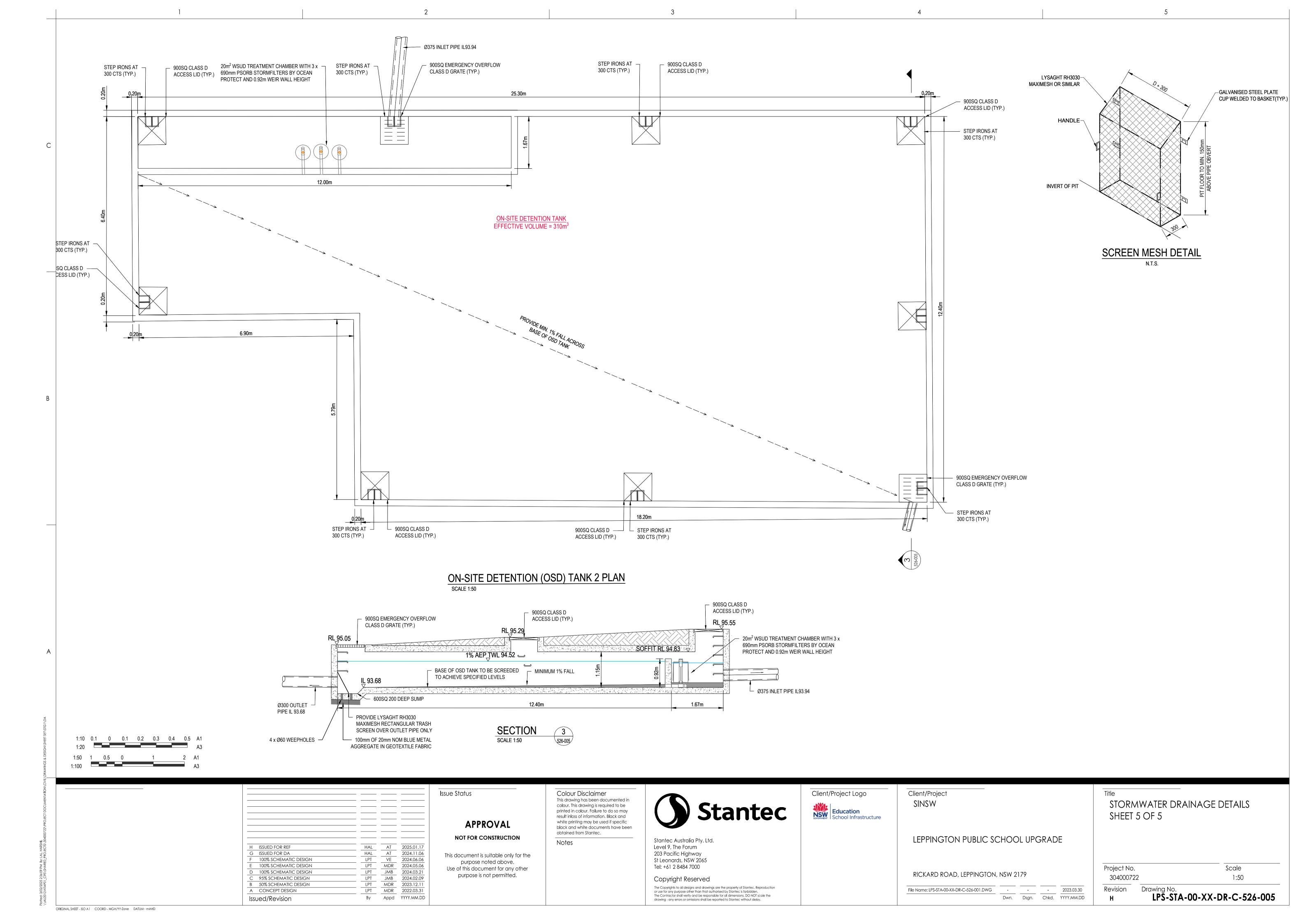
Dwn. Dsgn. Chkd. YYYY.MM.DD File Name: LPS-STA-00-XX-DR-C-526-001.DWG

STORMWATER DRAINAGE DETAILS SHEET 3 OF 5

Project No. Scale 304000722 AS SPECFIED

Revision Drawing No. LPS-STA-00-XX-DR-C-526-003





				PIT SCH	IEDULE FOR	R: C-STRM				
PIT NAME	PIT TYPE	SETOUT COORDS	INTERNAL DIM [mm]	INLET Ø [mm]	INLET INV [m]	OUTLET Ø [mm]	OUTLET INV [m]	PIT FIN RL	PIT DEPTH [m]	COMMEN
01/01	Reinforced Concrete	E: 297699.081 N: 6240232.757	W: 900 L: 900	Ø 375 Ø 375 Ø 229	94.077 94.410 94.070	Ø 375	94.036	96.117	2.081	OCEANGUARD PIT FILTER BASKET
01/02	Reinforced Concrete	E: 297690.974 N: 6240215.876	W: 900 L: 900	Ø 375	94.247	Ø 375	94.227	96.367	2.140	OCEANGUARD PIT FILTER BASKET
01/03	Reinforced Concrete	E: 297699.700 N: 6240212.269	W: 900 L: 900	Ø 375 Ø 300	94.342 95.546	Ø 375	94.322	96.396	2.073	OCEANGUARD PIT FILTER BASKET
01/04	Reinforced Concrete	E: 297722.961 N: 6240203.599	W: 900 L: 900	Ø 375	94.561	Ø 375	94.541	96.827	2.286	OCEANGUARD PIT FILTER BASKET
01/05	Reinforced Concrete	E: 297715.856 N: 6240184.909	W: 900 L: 900	Ø 375 Ø 300	94.741 96.091	Ø 375	94.721	96.993	2.272	OCEANGUARD PIT FILTER BASKET
01/06	Reinforced Concrete	E: 297747.518 N: 6240174.979	W: 900 L: 900	Ø 300	95.026	Ø 375	95.006	96.065	1.059	OCEANGUARD PIT FILTER BASKET
01/07	Reinforced Concrete	E: 297773.146 N: 6240165.659	W: 600 L: 600			Ø 300 Ø 150	95.299 95.191	96.057	0.866	OCEANGUARD PIT FILTER BASKET
02/01	Reinforced Concrete	E: 297733.450 N: 6240219.135	W: 900 L: 900	Ø 375	94.800	Ø 375	94.780	96.153	1.373	OCEANGUARD PIT FILTER BASKET
02/02	Reinforced Concrete	E: 297746.190 N: 6240218.442	W: 900 L: 900	Ø 300	94.922	Ø 375	94.902	95.811	0.909	
02/03	Reinforced Concrete	E: 297758.099 N: 6240208.148	W: 900 L: 900	Ø 300	95.150	Ø 300	95.048	96.089	1.042	
02/04	Reinforced Concrete	E: 297783.225 N: 6240201.138	W: 600 L: 600			Ø 300	95.359	96.140	0.781	
03/01	Reinforced Concrete	E: 297704.752 N: 6240249.111	W: 900 L: 900	Ø 229	94.208	Ø 229	94.208	96.099	1.891	
04/01	Reinforced Concrete	E: 297692.579 N: 6240191.891	W: 600 L: 600			Ø 300	95.762	96.790	1.028	
05/01	Reinforced Concrete	E: 297725.627 N: 6240172.356	W: 600 L: 600	Ø 300	96.270	Ø 300	96.250	97.544	1.294	OCEANGUARD PIT FILTER BASKET
05/02	Reinforced Concrete	E: 297752.556 N: 6240162.077	W: 600 L: 600			Ø 300	96.558	97.339	0.781	OCEANGUARD PIT FILTER BASKET
06/01	Reinforced Concrete	E: 297645.491 N: 6240211.387	W: 900 L: 900	Ø 300	93.586	Ø 300	93.586	94.515	0.930	
06/02	Reinforced Concrete	E: 297635.546 N: 6240201.321	W: 900 L: 900	Ø 300	93.473	Ø 300	93.473	94.496	1.023	

 
 HAL
 AT
 2025.01.17

 HAL
 AT
 2024.11.06

 LPT
 VE
 2024.06.06

 LPT
 MDR
 2024.05.06

 LPT
 MDR
 2024.03.21

 LPT
 JMB
 2024.02.09

 By
 Appd
 YYYY.MM.DD
 F ISSUED FOR REF E ISSUED FOR DA D 100% SCHEMATIC DESIGN
C 100% SCHEMATIC DESIGN B 100% SCHEMATIC DESIGN A 95% SCHEMATIC DESIGN Issued/Revision

Issue Status

#### **APPROVAL** NOT FOR CONSTRUCTION

Colour Disclaimer

obtained from Stantec.

Notes

This drawing has been documented in colour. This drawing is required to be printed in colour. Failure to do so may result inloss of information. Black and

white printing may be used if specific black and white documents have been

This document is suitable only for the purpose noted above. Use of this document for any other purpose is not permitted.

**Stantec** 

Stantec Australia Pty. Ltd. Level 9, The Forum 203 Pacific Highway St Leonards, NSW 2065 Tel: +61 2 8484 7000

Copyright Reserved The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorised by Stantec is forbidden. The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay.



Client/Project SINSW

LEPPINGTON PUBLIC SCHOOL UPGRADE

RICKARD ROAD, LEPPINGTON, NSW 2179 - - 2024.02.09

Dwn. Dsgn. Chkd. YYYY.MM.DD File Name: LPS-STA-00-XX-DR-C-527-001.DWG

STORMWATER PIT SCHEDULE

Project No. 304000722 Revision

Scale NTS Drawing No.
LPS-STA-00-XX-DR-C-527-001