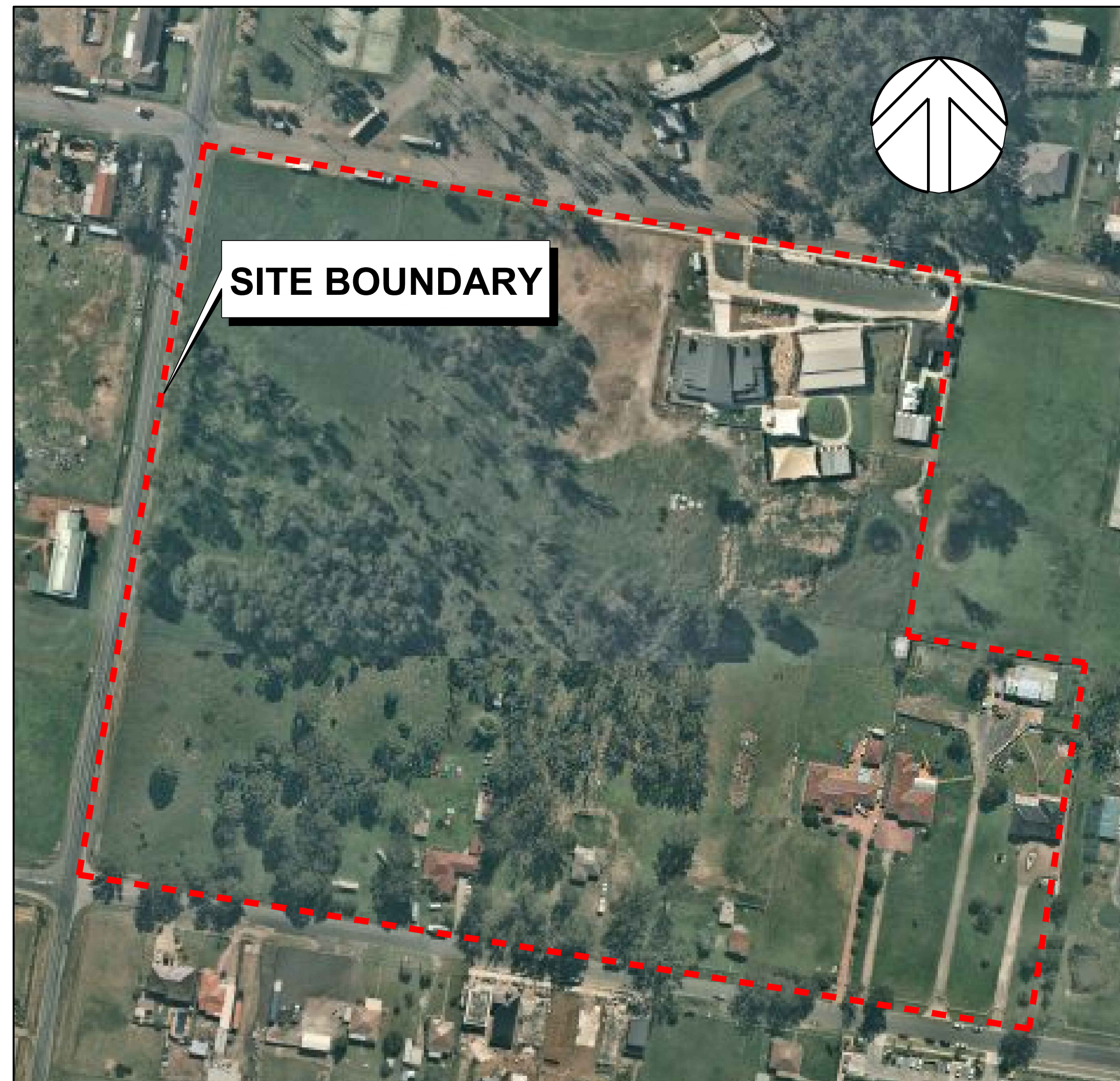


ST ANTHONY OF PADUA CATHOLIC SCHOOL



LOCALITY AERIAL
NOT TO SCALE

SOURCE : NEARMAP

DRAWING SCHEDULE		
DRAWING No.	DRAWING TITLE	REV
C1.00 Arrangement and Overview Plans		
C1.01	Cover Sheet	6
C1.02	Specification Notes	2
C2.00 Sediment and Erosion Control		
C2.01	Sediment and Erosion Control Plan	3
C2.02	Sediment and Erosion Control Details	2
C3.00 Earthworks		
C3.01	Bulk Earthworks Plan	1
C3.02	Bulk Earthworks Cut & Fill Plan	1
C4.00 Siteworks Plans		
C4.01	Siteworks Plan	1
C4.02	Retaining Wall Plan	1
C5.00 Road Longitudinal and Cross Sections		
C5.01	Existing Condition 11th and 4th Ave Intersection	2
C5.02	Existing Condition 10th and 4th Ave Intersection	2
C5.03	Stage 4 Off Site Works Plan	8
C5.04	Stage 4 Road Typical Sections	7
C5.05	Proposed Carpark Access at 10th Avenue for Stage 1	1
C5.06	Proposed Pedestrian crossing at 11th Avenue for Stage 1	1
C6.00 Stormwater Drainage		
C6.01	Stormwater Key Plan	2
C6.02	Stormwater Layout Plan - Sheet 1	4
C6.03	Stormwater Layout Plan - Sheet 2	2
C6.04	Stormwater Pit Schedule Sheet 1	4
C6.05	Stormwater Pit Schedule Sheet 2	3
C6.06	OSD Tank 1 - Stage 3A Plan	3
C6.07	OSD Tank 1 - Stage 3A Sections	3
C6.08	OSD Tank 2 - Stage 3B Plan	2
C6.09	OSD Tank 2 - Stage 3B Sections	2
C6.10	Stormwater Drainage Details	3
C6.11	Stormwater 360 Treatment Device Typical Details	3
C7.00 Signage and Linemarking		
C7.01	Signage and Linemarking Key Plan	1
C7.02	Signage and Linemarking Plan - Sheet 1	1
C7.03	Signage and Linemarking Plan - Sheet 2	1
C7.04	Signage and Linemarking Plan - Sheet 3	1
C7.05	Signage and Linemarking Plan - Sheet 4	1
C8.00 Future Road Works		
C8.01	Future Road Works	8
C8.02	Future 10th and 4th Ave Roundabout	2
C8.03	Future 11th and 4th Ave Roundabout	2
C8.04	Future 10th and 4th Ave Signalised Intersection	2
C8.05	Future 11th and 4th Ave Signalised Intersection	2

Y:\p1_X\5914000_TB_A\H1_Cad File: T:\5914000\Drawings\AutoCAD\Drawings\Civil\DDA\CT 02 Specification Notes.dwg
Plot Date: 21/02/2020@10:54:15
User: X\5914000_TB_A\H1
Log Name: jsk

GENERAL

G1. DESIGN HEREIN HAS BEEN PREPARED BY WARREN SMITH AND PARTNERS PTY LTD CONSULTING CIVIL ENGINEERS, LEVEL 9, 233 CASTLEREAGH ST, SYDNEY NSW 2000. TEL: (02) 9299 1312, FAX:- (02) 9290 1295.

G2. THE DRAWINGS HEREIN SHALL BE READ AS REQUIRED IN CONJUNCTION WITH ARCHITECT DRAWINGS BY: DESIGN WORLDWIDE PARTNERSHIP 19 HARRIS STREET, PYRMONT, NSW, 2009. TEL: (02) 8569 5000 AND MUNNS SLY MOORE ARCHITECTS 9 HALL STREET, LYNEHAM, ACT, 2602. TEL: (02) 6248 8922

G3. ALL DIMENSIONS IN MILLIMETRES UNO. REDUCED LEVELS AND CHAINAGES ARE IN METRES. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS.

G4. THE PROPOSED WORKS DETAILED HEREIN SHALL BE CONSTRUCTED TO THE REQUIREMENTS OF COUNCIL GENERALLY AS DETAILED HEREUNDER.

G5. ALL EXISTING SERVICES SHALL BE VERIFIED FOR DEPTH AND HORIZONTAL POSITION BY PHYSICAL MEANS PRIOR TO EXCAVATION. ANY DISCREPANCIES SHALL BE BROUGHT FORTHWITH TO THE PROJECT MANAGER'S ATTENTION.

STORMWATER AND SUBSOIL DRAINAGE

MATERIALS:

- STW1. PIPES AND FITTINGS FOR STORMWATER DRAINAGE SHALL BE AS FOLLOWS UNO ON THE DRAWINGS:
- A. SEWER GRADE uPVC (SN8) WITH SOLVENT WELDED JOINTS FOR BELOW GROUND DRAINAGE UP TO 225mm.
- B. FIBRE REINFORCED CEMENT / REINFORCED CONCRETE CLASS 3 WITH RUBBER RINGS FOR PIPE DIA'S GREATER THAN 225mm. UNO.
- C. REINFORCED CONCRETE WHERE REQUIRED BY AS 3500 FOR EXCESSIVE DEPTH.
- D. INSTALL IN ACCORDANCE WITH AUSTRALIAN STANDARD AS3500 EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.

STW2. PIPES & FITTINGS FOR SUBSOIL DRAINAGE SHALL BE SLOTTED POLYVINYL CHLORIDE (PVC) WITH SOLVENT WELDED JOINTS, MIN. 150mm DIAMETER.

STW3. IN GROUND DRAINAGE PIPEWORK SERVING DP'S SHALL BE MINIMUM 150mm DIA. UNO.

STW4. STORMWATER PITS ARE AS SHOWN & SPECIFIED ON THE PLANS . PRECAST TYPE ACCEPTABLE WITH STEP IRONS FOR DEPTH GREATER THAN 1200. BENCH ALL PITS MIN. 30mm & FORM SMOOTH TRANSITION FROM INLET TO OUTLET, ALL INTERNAL PIT DIMENSIONS TO CONFORM TO TABLE 8.2 AS - 3500.3

STW5. SELECT FILL SHALL BE MATERIAL OBTAINED FROM EXCAVATION OF THE PIPE TRENCH OR IMPORTED WITH A PARTICLE SIZE FOR ROCK NOT GREATER THAN 75mm OR FOR OTHER THAN ROCK NOT GREATER THAN 150mm.

STW6. IMPORTED FILL SHALL BE EITHER, AND GENERALLY CONSIST OF SINGLE SIZED AGGREGATE WITH PARTICLE SIZE NOT GREATER THAN 5mm WRAPPED ALL ROUND WITH GEOTEXTILE FILTER FABRIC OR APPROVED HIGH COMPACTION SAND OR APPROVED CRUSHED ROAD GRAVEL CONFORMING TO RTA FORM 3051 OR SIMILAR.

STW7. STORMWATER PITS AND GRATES TO CONFORM WITH STANDARD COUNCIL REQUIREMENTS, WHERE ON PUBLIC LAND. GRATES TO BE SUPPLIED IN CLASS SHOWN ON THE DRAWINGS.

INSTALLATION REQUIREMENTS:

STW8. 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.

STW9. MINIMUM GRADES FOR GRAVITY STORMWATER DRAINAGE SHALL CONFORM TO AS3500 PART3 AS FOLLOWS, UNO:

1% FOR 100 AND 150 mm DIA.

0.5% FOR 225 mm DIA

0.5% FOR 300 mm DIA

0.4% FOR 375 mm DIA

STW10. MINIMUM DEPTH OF COVER SHALL BE :-

- 300mm IN PRIVATE PROPERTY (NON VEHICULAR TRAFFIC).

- 450mm IN PUBLIC AREAS.

- 600mm IN VEHICULAR TRAFFICABLE AREAS

STW11. (FOOTWAY/ROADWAY) BED ALL PIPES FIRMLY AND EVENLY ONTO IMPORTED BEDDING FILL MATERIAL.

STW12. LAY AND JOINT ALL PIPES IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS AND AS 3725-1989 BURIED FLEXIBLE PIPELINES AS 2566-1998 LOADS ON BURIED FLEXIBLE PIPELINES AS 1597.2-1996 PRECAST REINFORCED CONCRETE BOX CULVERTS.

AS 3500-1990 NATIONAL PLUMBING & DRAINAGE CODE. PART 2, SANITARY PLUMBING AND SANITARY DRAINAGE. SYDNEY WATER REQUIREMENTS.

STW13. ALLOW TO TEST ALL PIPES AND PITS TO MANUFACTURERS REQUIREMENTS.

CONCRETE WORKS

C1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS3600, THE STANDARDS ASSOCIATION AUSTRALIA, STANDARDS CITED IN AS3600, THE DRAWINGS AND THE SPECIFICATION.

C2. ALL CONCRETE SHALL BE 80mm NOMINAL SLUMP, 20mm MAXIMUM AGGREGATE WITH NO ADMIXTURES OR FLY ASH, UNLESS OTHERWISE APPROVED. ALL CONCRETE WORK IN CONTACT WITH SEWER TO HAVE TYPE SL PORTLAND CEMENT, OTHERWISE TYPE A CEMENT FOR BRIDGE WORKS, A MAXIMUM 56 DAYS SHRINKAGE OF 600 MICROSTRAIN, A MINIMUM CEMENT CONTENT 350kg/m3 AND MAXIMUM WATER:CEMENT RATIO OF 0.40

C3. STRENGTH GRADE OF CONCRETE SHALL BE : 25 MPa (KERBS, EDGE STRIPS & CONCRETE ENCASEMENT) AND 32 MPa ELSEWHERE.

C4. CONSTRUCTION JOINTS SHALL BE PROPERLY FORMED AND USED ONLY WHERE SHOWN OR APPROVED. GENERALLY FOR HAND PLACED KERB & GUTTER 6mm THICK APPROVED BITUMINOUS MASTIC JOINTING MATERIAL SHALL BE PROVIDED AT INTERVALS NOT EXCEEDING 6m. FOR MACHINE PLACED KERB & GUTTER 6mm THICK APPROVED BITUMIOUS MASTIC JOINTING MATERIAL SHALL BE PROVIDED AT INTERVALS NOT EXCEEDING 12m & GUILLOTINED DUMMY GROOVED JOINTS, 25mm IN DEPTH, SHALL BE FORMED EVERY 3m OF GUTTER. JOINTS ARE ALSO REQUIRED AT EACH END OF GUTTER CROSSING AND GULLY PITS. JOINTS SHALL BE SET VERTICAL AND SQUARE TO THE KERB.

C5. CONCRETE CURING SHALL BE IN ACCORDANCE WITH AS3600. CURING SHALL BE COMMENCED WITHIN TWO HOURS OF FINISHING OPERATIONS AND SHALL BE CONTINUED FOR A MINIMUM OF SEVEN DAYS BY AN APPROVED PROPRIETARY COMPOUND OR BY KEEPING CONTINUOUSLY WET.

C6. FORMWORK SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH AS3610. FORMWORK SHALL NOT BE STRIPPED NOR PROPS REMOVED WITHOUT APPROVAL.

REINFORCEMENT:

R1. REINFORCEMENT IS REPRESENTED DIAGRAMMATICALLY AND IS NOT NECESSARILY SHOWN IN TRUE PROJECTION.

R2. WELDING OR SPLICES IN REINFORCEMENT SHALL BE USED ONLY IN POSITIONS APPROVED BY THE ENGINEER.

R3. FABRIC LAP DETAILS SHALL BE IN ACCORDANCE WITH FIG.13.2.4 OF AS3600.

R4. HOOKS, LAPS AND BENDS SHALL BE IN ACCORDANCE WITH AS3600 UNO.

R5. ALL CHEMICAL ANCHORS SHALL BE EITHER 'CHEMSET' BY 'RAMSET' WITH THE GLASS CAPSULE SYSTEM INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS OR HILTI HVU ADHESIVE ANCHOR WITH FOIL CAPSULE SYSTEM INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS INSTRUCTION. ALL CHEMICAL ANCHORS SHALL BE HOT DIPPED GALVANIZED AND BE MIN M16 DIA. U.N.O.

GENERAL EARTHWORKS, SITEWORKS & FILLING:

FILLING:

SGE1. THESE CLAUSES SHALL BE READ IN CONJUNCTION WITH ANY AVAILABLE GEOTECHNICAL REPORT UNDERTAKEN FOR THE SITE.

SGE2. THE RECOMMENDATIONS CONTAINED IN THE GEOTECH REPORT SHALL OVERRIDE THE CLAUSES PRESENTED HEREIN.

SGE3. STRIP ALL TOPSOIL AND UNDERLYING FILL AND STOCKPILE TOPSOIL FOR LATER REUSE FOR LANDSCAPING PURPOSES.

SGE4. NEW FILL REQUIRED TO REINSTATE CUT LEVELS TO

PROPOSED BENCHING LEVELS SHALL BE SOURCED FROM OTHER PARTS OF THE EXCAVATION AS SELECT FILL OR IMPORTED FILL AS SPECIFIED BELOW IN SGE 5 AND SGE 6.

SGE5. SELECT FILL SHALL CONSIST OF LOCALLY DERIVED OR CUT NATURAL CLAYS.

SGE6. IMPORTED FILL SHALL CONSIST OF RIPPED SANDSTONE OR SHALE OR SIMILAR MATERIAL WITH MAXIMUM PARTICLE SIZE NOT GREATER THAN 120mm AND A MOISTURE CONTENT WITHIN 2-3% OF STANDARD OPTIMUM.

SGE7. ALL FILL (COHESIVE SOIL) SHALL BE PLACED IN LAYERS OF 200mm MAXIMUM THICKNESS, COMPACTED BY MACHINE ROLLING TO ACHIEVE A DRY DENSITY RATIO OF NOT LESS THAN 98% STANDARD MAXIMUM AT A CORRESPONDING MOISTURE CONTENT WITHIN 2-3% OF STANDARD OPTIMUM.

SGE8. IN AREAS WHERE HIGH IMPACT ROLLING IS USED TEST EACH FINAL LAYER OF NOT GREATER THAN 300mm TO 400mm TO ACHIEVE A DRY DENSITY SGE8. RATIO OF NOT LESS THAN 98% STANDARD MAXIMUM AT A CORRESPONDING MOISTURE CONTENT WITHIN 2-3% OF STANDARD OPTIMUM.

EXCAVATION BATTERS:

SGE9. ALL TEMPORARY BATTERS CUT IN CLAY SUBSTRATE SHALL BE 1 HORIZ : 1 VERT. ALL LONG TERM EXPOSED BATTERS CUT IN CLAY SUBSTRATE SHALL BE 2 HORIZ : 1 VERT. ALL DETENTION BASIN BATTERS IN CLAY SUBSTRATE SHALL BE 3 HORIZ : 1 VERT. ALL DETENTION BASIN BATTERS IN ROCK SUBSTRATE SHALL BE NEAR VERTICAL.

SGE10. GEOTECHNICAL TESTING IS TO BE UNDERTAKEN TO AT LEAST LEVEL 2 CONTROL OF FILL COMPACTION STANDARD, AS DEFINED IN AS. 3738 AS FOLLOWS

- FOR GENERAL FILL OR CUT AREAS OVER THE AREA PROVIDE ONE (1) TEST PER 200mm LAYER, OVER AN AREA NOT GREATER THAN 500 m²

- FOR GENERAL FILL AREAS IN CONCENTRATED AREAS ADJACENT TO AND BEHIND THE STRUCTURE AND ADJACENT TO AND BEHIND RETAINING WALLS PROVIDE ONE (1) TEST PER 200mm LAYER, OVER AN AREA NOT GREATER THAN 50m²

SGE11. SUBMIT ALL GEOTECHNICAL TEST RESULTS TO WARREN SMITH & PARTNERS FOR REVIEW PRIOR TO CONTINUATION WITH SUBSEQUENT SECTION OF WORK.

EARTH WORKS FOR SERVICES

E1. EXCAVATE TRENCHES AND STOCKPILE ALL MATERIAL FOR INSPECTION WITH REGARD TO RE-USE FOR TRENCH BACKFILL. REMAINING MATERIAL TO BE REMOVED FROM SITE.

E2. BEDDING MATERIAL SHALL CONSIST OF IMPORTED FILL ONLY. THICKNESS OF BEDDING LAYER SHALL BE 75mm IN O.T.R. AND 200mm IN ROCK.

E3. EMBED ALL PIPES WITH IMPORTED FILL. PROVIDE 200mm SIDE SUPPORT AND 150mm OVERLAY ABOVE PIPE CROWN.

E4. TRENCH FILL ABOVE THE EMBEDMENT ZONE TO THE UNDERSIDE OF THE ROAD PAVEMENT OR FOOTWAY FILL MATERIAL SHALL BE AS FOLLOWS :

UNDER ROADWAY

TRENCH FILL MATERIAL SHALL CONSIST OF IMPORTED FILL AS SPECIFIED HEREIN OF EITHER HIGH GRADE COMPACTION SAND OR APPROVED CRUSHED ROAD GRAVEL CONFORMING TO RTA FORM 3051 OR SIMILAR.

OTHER THAN ROADWAY

TRENCH FILL MATERIAL EXCAVATED SHALL CONSIST OF SELECT FILL AS SPECIFIED HEREIN AND SHALL NOT CONTAIN MORE THAN 20% OF STONES OF SIZE BETWEEN 75mm & 150mm AND NONE LARGER THAN 150mm. PRIOR TO THE USE OF THE EXCAVATED MATERIAL IT SHALL BE INSPECTED AND APPROVED BY THE CONSULTANT.

E5. COMPACT BEDDING, EMBEDMENT AND TRENCH FILL MATERIALS AS FOLLOWS:

EMBEDMENT:- FOR GRANULAR FILL MATERIAL (NON-COHESIVE SOILS) EG. COARSE AGGREGATE FILL, HIGH GRADE COMPACTION SAND, THE DENSITY INDEX (ID) SHALL BE NOT LESS THAN 70%.

TRENCH FILL:- FOR GRANULAR MATERIAL (NON-COHESIVE SOILS), THE DENSITY INDEX (ID) SHALL BE NOT LESS THAN 70%.

FOR NON-GRANULAR FILL MATERIAL (COHESIVE SOILS),

E6. THE DRY DENSITY RATIO (RD) SHALL BE NOT LESS THAN 95%.

MEASURE OF COMPACTION:- THE DEGREE OF COMPACTION SHALL BE MEASURED BY ONE OF THE FOLLOWING PARAMETERS :-

GRANULAR FILL (NON-COHESIVE SOILS). THE DENSITY INDEX (ID) DETERMINED IN ACCORDANCE WITH AS 1289.E6.1 BASED ON THE MAXIMUM AND MINIMUM DRY DENSITIES IN ACCORDANCE WITH AS 1289.E5.1 AND THE FIELD DRY DENSITY IN ACCORDANCE WITH AS 1289.5.3.2, AS 1289.E3.5 OR AS 1289.E8.1.

NON-GRANULAR FILL (COHESIVE SOILS). THE DRY DENSITY RATION (RD) DETERMINED IN ACCORDANCE WITH AS 1289.5.4.1 BASED ON THE FIELD DRY DENSITY IN ACCORDANCE WITH AS 1289.5.3.2 AND THE MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289.5.1.1

E7. GEOTECHNICAL TESTING IS TO BE UNDERTAKEN TO AT LEAST LEVEL 2 CONTROL OF FILL COMPACTION STANDARD, AS DEFINED IN AS. 3738 AS FOLLOWS

- TEST EACH 300mm LAYER ABOVE PIPE CROWN.

- TEST BASE & SUB-BASE LAYERS WHERE APPLICABLE.

- TESTS SHALL BE REQUIRED AT EACH 50m CENTRES WHERE THE LENGTH OF TRENCH IS WITHIN THE 50m REQUIREMENT.

E8. SUBMIT ALL GEOTECHNICAL TEST RESULTS TO WARREN SMITH & PARTNERS FOR REVIEW PRIOR TO CONTINUATION WITH SUBSEQUENT SECTION OF WORK.

RESTORATION:

RES1. RESTORE ALL TRAFFIC AREAS TO PRE EXISTING CONDITION.

RES2. FOR ALL SURFACES OTHER THAN IN TRAFFIC AREAS RESTORE DISTURBED SURFACES TO PRE-EXISTING CONDITIONS AND COMPACT AS SPECIFIED.

RES3. RESTORE ALL AUTHORITY OWNED AREAS TO COUNCIL STANDARDS

ROAD WORKS, DRIVEWAYS & CARPARKS

R1. ALLOW FOR LEVEL 2 TESTING AND SUB-GRADE CONDITIONS & PAVEMENT THICKNESS TO BE VERIFIED BY GEOTECHNICAL CONSULTANT AFTER INSPECTION OF PRELIMINARY BOXING.

R2. ALLOW FOR ANY SUB-GRADE REPLACEMENT WORK TO BE DETERMINED AS REQUIRED BY GEOTECHNICAL CONSULTANT AT THE TIME OF PAVEMENT CONSTRUCTION.

R3. MINIMUM DRY DENSITY RATIOS (AS 1289 3.4.1-1993) TO BE:

BASE COURSE:	98% MODIFIED
SUB-BASE:	95% MODIFIED
SUB-GRADE:	100% STANDARD
SUB-GRADE REPLACEMENT:	100% STANDARD

R4. PAVEMENT MATERIALS TO COMPLY WITH RMS SPECIFICATION No. 3051 OR SIMILAR AS APPROVED BY GEOTECHNICAL CONSULTANT.

R5. PROVIDE (1) TEST FOR EACH LAYER NOT EXCEEDING 250mm THICK BEING BASECOURSE, SUB-BASE & SUB-GRADE OVER AN AREA NOT GREATER THAN 500m²

R6. SUBMIT ALL GEOTECHNICAL TEST RESULTS TO WARREN SMITH & PARTNERS FOR REVIEW PRIOR TO CONTINUATION WITH SUBSEQUENT SECTION OF WORK.

APPROVALS

A1. THE AS CONSTRUCTED WORKS SHALL BE INSPECTED BY DESIGN CONSULTANT. MINIMUM 48 HOURS NOTICE SHALL APPLY TO ALL INSPECTIONS.

A2. THE DESIGN PLANS HEREIN ARE SUBJECT TO COUNCIL APPROVAL PRIOR TO CONSTRUCTION. OBTAIN EXPRESS (WRITTEN) ADVICE TO PROCEED FROM PROJECT MANAGER PRIOR TO COMMENCEMENT.

A3. SUBMIT WORK-AS-EXECUTED DRAWINGS IN CIVILCAD OR DXF DIGITAL FORMAT AND HARD COPY FORMAT. VERIFY ALL CONSTRUCTION WORKS SHOWN HEREON.

A4. CERTIFY THAT THE AS CONSTRUCTED SYSTEM HAS BEEN BUILT IN ACCORDANCE WITH THE APPROVED PLANS ISSUED FOR CONSTRUCTION.

SERVICES UNDER ROAD SURFACES

S1. ALL OTHER SERVICES INCLUDING BUT NOT LIMITED TO WATER, HYDRANT, GAS, SEWER, ELECTRICAL AND COMMUNICATIONS CONDUITS OR CABLES SHALL BE LAID WITH MINIMUM 600mm U.N.O. COVER BELOW PROPOSED ROAD SURFACE OR APPROVED OTHER MEANS TO PROTECT DURING CONSTRUCTION.

ROAD SIGNS & LINE MARKING

RS1. ALL SIGNS AND LINEMARKING SHALL BE TO ROADS & TRAFFIC AUTHORITY STANDARDS AND SPECIFICATIONS AND AS.1742, MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES

RS2. ALL LINEMARKING SHALL BE AUGMENTED BY RETROREFLECTIVE RAISED PAVEMENT MARKERS (RRPMs) AND ALL SHALL BE TO AS 1742.2 - 1994 AND AS 1742.2 /AMDT 1/1997-10-05

RS3. ALL ROAD SIGNS AND POSTS SHALL BE TO AS 1742.2 - 1994 AND AS 1742.2 /AMDT 1/1997-10-05

PROTECTION OF FLORA - REFER SPECIFICATION

1. ANY TRENCHES WITHIN 3m OF TREES SHALL BE HAND DUG TO AVOID DAMAGE TO TREE ROOTS.

2. THE SEWERAGE WORKS HAVE BEEN LOCATED TO MINIMISE CLEARING AND DAMAGE TO THE EXISTING FLORA ENVIRONMENT. NO TREES ARE PERMITTED TO BE REMOVED OR DAMAGED UNO. CONSTRUCTION OF THE SEWER GRAVITY OR RISING MAIN IN THE VICINITY OF EXISTING TREES SHALL BE HAND EXCAVATED ONLY, ENSURING IRREVERSIBLE DAMAGE OF THE ROOT SYSTEM DOES NOT OCCUR.

3. IF IT IS CONSIDERED NECESSARY TO PERFORM ANY WORK ON TREES, INCLUDING TRIMMING, LOPPING, ROOT CUTTING, REPAIR AND REMOVAL, APPLICATION IN WRITING SHALL BE MADE BY THE CONTRACTOR TO THE SUPERINTENDENT. ANY WORK PERMITTED TO BE DONE ON TREES TO BE RETAINED SHALL BE PERFORMED BY AN APPROVED TREE SURGEON.

4. NO MATURE TREES OR SHRUBS ARE TO BE REMOVED FOR THE PURPOSES OF THE WORKS WITHOUT PRIOR APPROVAL FROM LIVERPOOL CITY COUNCIL.

AUTHORITY STANDARDS

LGA 1. THE DRAWINGS HEREIN SHALL BE READ IN CONJUNCTION WITH LOCAL AUTHORITY'S STANDARDS & SPECIFICATIONS WHICH SHALL OVERRIDE SPECIAL DETAILS SHOWN ON THE DRAWINGS.

CLOSED CIRCUIT COLOUR TV (CCTV)

CCTV1. UNDERTAKE A CCTV INSPECTION OF ALL THE COMPLETED DRAINAGE IN ACCORDANCE WITH THE GUIDELINES OF THE THE AUSTRALIAN CONDUIT CONDITION EVALUATION MANUAL (ACCEM)

CCTV2. APPLY THE FOLLOWING REQUIREMENTS TO THE CCTV INSPECTION:-

A. USE DATA CAPTURE SOFTWARE APPROVED BY SYDNEY WATER

B. USE CERTIFIED CCTV OPERATORS

C. THE CCTV VIDEOTAPE SHALL BE OF QUALITY TO ALLOW ACCURATE ASSESSMENT OF THE INTERNAL CONDITION OF THE PIPE.

CCTV3. FURNISH TO THE DESIGN OF THE CONSULTANT:-

A. VIDEOS IN MPG FORMAT FOR VIEWING

B. CCTV REPORT AND SURVEY DATA IN PDF FORMAT

C. ONE HARD COPY PRINTOUT OF THE SURVEY DATA

PROTECTION OF TREES

T1. WHERE STORMWATER DRAINAGE IS LAID IN THE VICINITY OF TREES / CANOPIES OF TREES, PARTICULARLY IN THE NORTH EAST CORNER OF THE SITE, ALLOW THE CONSULTANT ARBORIST TO INSPECT PROGRESSIVELY THE EXCAVATION AND CONSTRUCTION WORKS.

REVISION	AMENDMENT	DATE	REVISION	AMENDMENT	DATE
1	DEVELOPMENT APPLICATION	25/05/18			
2	DEVELOPMENT APPLICATION	19/07/18			



Sydney

Catholic

Schools

CLIENT

PROJECT

ST ANTHONY OF PAUDA CATHOLIC SCHOOL

PREPARED BY



Warren Smith & Partners Pty Ltd

Level 9, 233 Castlereagh St, Sydney 2000 NSW Australia

02 9299 1312 wsp@warrensmith.com.au

www.warrensmith.com.au ABN 36 300 430 126

CONSULTING ENGINEERS

■

Hydraulic Services

■

Fire Services

■

Civil Services

■

Sydney Water Accredited Water Servicing Co-ordinator and Designer

SERVING THE CONSTRUCTION INDUSTRY SINCE 1981.

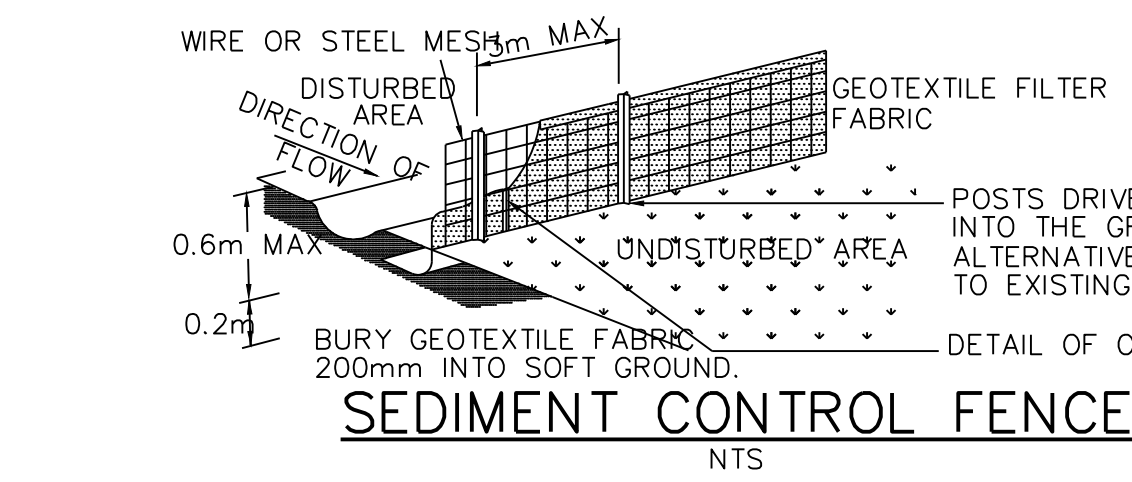
TITLE				
SPECIFICATION NOTES				
SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
AS SHOWN	M.CZ.	N.M.	L.Sh.	L.Sh.
JOB No.		DRAWING No.	ISSUE	
5914000		C1.02	2	
DATE	STATUS			
MARCH 2018	DEVELOPMENT APPLICATION			

PRELIMINARY - NOT FOR CONSTRUCTION

Y:\01_1914000_TB_A\H1_Pad Date: 21/02/2020@10:54:41
C:\Users\jask\OneDrive\Documents\Drawings\AutoCAD\Drawings\Civil\DDA\2020\2020_Sediment and Erosion Control Details.dwg
C:\Users\jask\OneDrive\Documents\Drawings\AutoCAD\Drawings\Civil\DDA\2020\2020_Sediment and Erosion Control Details.dwg
Login Name: jask

DO NOT SCALE FROM DRAWINGS, CHECK & VERIFY ALL DIMENSIONS & LEVELS BEFORE COMMENCEMENT OF ANY WORK.
THIS DRAWING IS NOT TO BE COPIED IN PART OR WHOLE WITHOUT WRITTEN PERMISSION FROM WARREN SMITH AND PARTNERS.

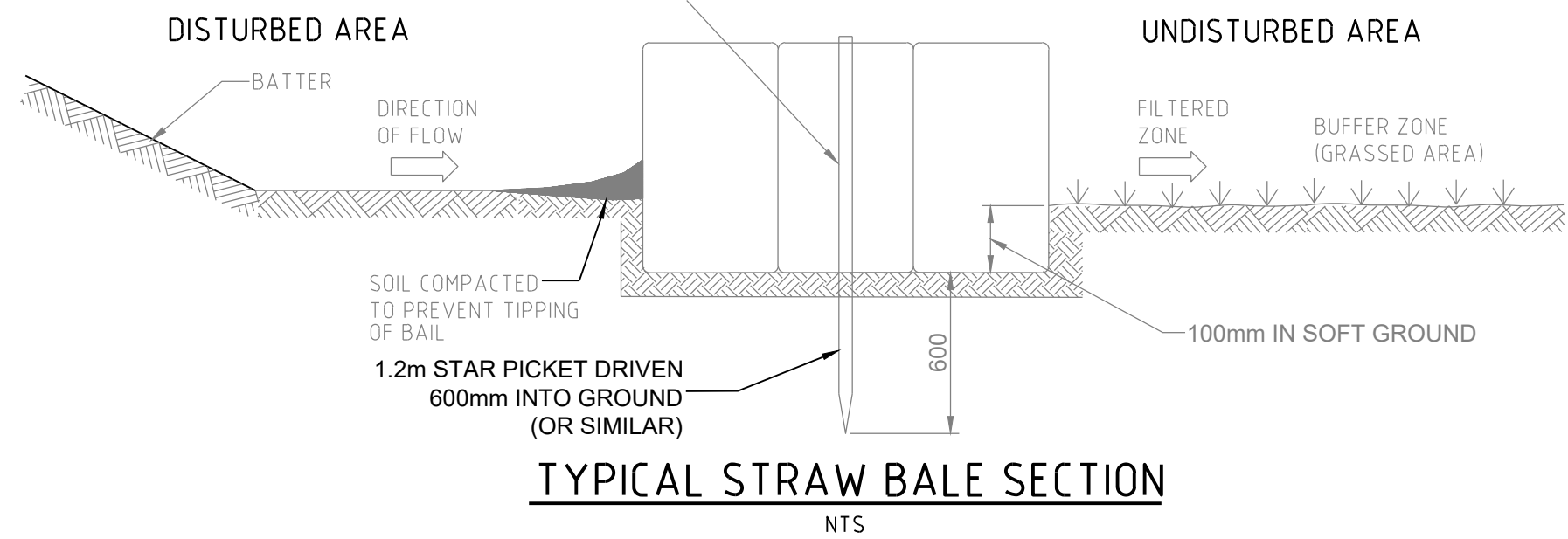
0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



SEDIMENT FENCE DETAIL FOR ROCKY GROUND

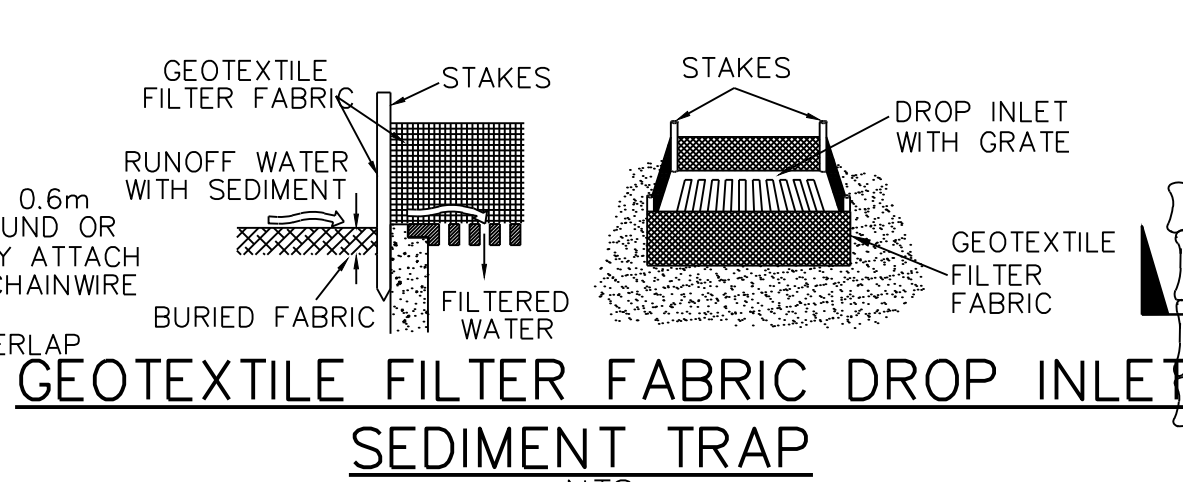
SEDIMENT FENCE NOTES: -

1. CONSTRUCT SEDIMENT FENCE AS CLOSE AS POSSIBLE TO PARALLEL TO THE CONTOURS OF THE SITE OR AT THE TOE OF A SLOPE.
2. DRIVE 1.5 METRE LONG STAR PICKETS INTO GROUND SUFFICIENT TO PROVIDE RIGID SUPPORT, 3 METERS APART. WHERE THERE IS INSUFFICIENT SOIL DEPTH OVER ROCK, HOLES ARE TO BE DRILLED INTO ROCK TO ACCEPT THE STAR PICKETS.
3. ON SOFT GROUND MATERIALS, DIG A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
4. BACKFILL TRENCH OVER BASE OF FABRIC & COMPACT.
5. FIX SELF-SUPPORTING GEOTEXTILE TO UPSLOPE SIDE OF POSTS WITH WIRE TIES OR AS RECOMMENDED BY THE GEOTEXTILE MANUFACTURER. USE A REINFORCEMENT BACKING WITH NON SELF-SUPPORTING GEOTEXTILE FABRIC.
6. JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP.
7. ON HARD OR ROCKY GROUND, SMOOTH A 500mm WIDE STRIP UPSLOPE OF THE FENCE LINE. TURN THE BOTTOM 500mm OF THE FABRIC UPSLOPE AND ANCHOR IN PLACE WITH SUITABLE AGGREGATE.
8. WHERE A SEDIMENT FENCE IS CONSTRUCTED DOWN SLOPE FROM A DISTURBED BATTER THE FENCE SHOULD BE LOCATED 1.5 TO 2.0 METERS DOWN SLOPE FROM THE TOE OF THE BATTER.



STRAW BALE NOTES: -

1. CONSTRUCT STRAW BALE FILTER AS CLOSE AS POSSIBLE TO PARALLEL TO THE CONTOURS OF THE SITE OR AT THE TOE OF A SLOPE.
2. PLACE BALES LENGTHWISE IN A ROW WITH ENDS TIGHTLY ABUTTING. USE STRAW TO FILL ANY GAPS BETWEEN BALES. STRAWS TO BE PLACED PARALLEL TO GROUND.
3. MAXIMUM HEIGHT OF FILTER IS ONE BALE.
4. ON SOFT MATERIALS, EMBED EACH BALE IN THE GROUND 75mm TO 100mm AND ANCHOR WITH TWO 1.2 METRE STAR PICKETS. ANGLE THE FIRST STAKE IN EACH BALE TOWARDS THE PREVIOUSLY LAID BAIL. DRIVE STAKES 600mm INTO THE GROUND AND FLUSH WITH THE TOP OF THE BALES.
5. WHERE A STRAW BALE FILTER IS CONSTRUCTED DOWN SLOPE FROM A DISTURBED BATTER THE BALES SHOULD BE LOCATED 1.5 TO 2.0 METERS DOWN SLOPE FROM THE TOE OF THE BATTER.
6. WHERE REQUIRED WRAP GEOTEXTILE FILTER FABRIC AROUND BALES AND STAPLE IN POSITION.



SEDIMENT TRAP

NTS

HESSIAN BAG DROP INLET

NTS

SEDIMENT TRAP

NTS

HESSIAN BAG DROP INLET

NTS

SEDIMENT TRAP

NTS

HESSIAN BAG DROP INLET

NTS

SEDIMENT TRAP

NTS

HESSIAN BAG DROP INLET

NTS

SEDIMENT TRAP

NTS

HESSIAN BAG DROP INLET

NTS

SEDIMENT TRAP

NTS

HESSIAN BAG DROP INLET

NTS

SEDIMENT TRAP

NTS

HESSIAN BAG DROP INLET

NTS

SEDIMENT TRAP

NTS

HESSIAN BAG DROP INLET

NTS

SEDIMENT TRAP

NTS

HESSIAN BAG DROP INLET

NTS

SEDIMENT TRAP

NTS

HESSIAN BAG DROP INLET

NTS

SEDIMENT TRAP

NTS

HESSIAN BAG DROP INLET

NTS

SEDIMENT TRAP

NTS

HESSIAN BAG DROP INLET

NTS

SEDIMENT TRAP

NTS

HESSIAN BAG DROP INLET

NTS

SEDIMENT TRAP

NTS

HESSIAN BAG DROP INLET

NTS

SEDIMENT TRAP

NTS

HESSIAN BAG DROP INLET

NTS

SEDIMENT TRAP

NTS

HESSIAN BAG DROP INLET

NTS

SEDIMENT TRAP

NTS

HESSIAN BAG DROP INLET

NTS

SEDIMENT TRAP

NTS

HESSIAN BAG DROP INLET

NTS

SEDIMENT TRAP

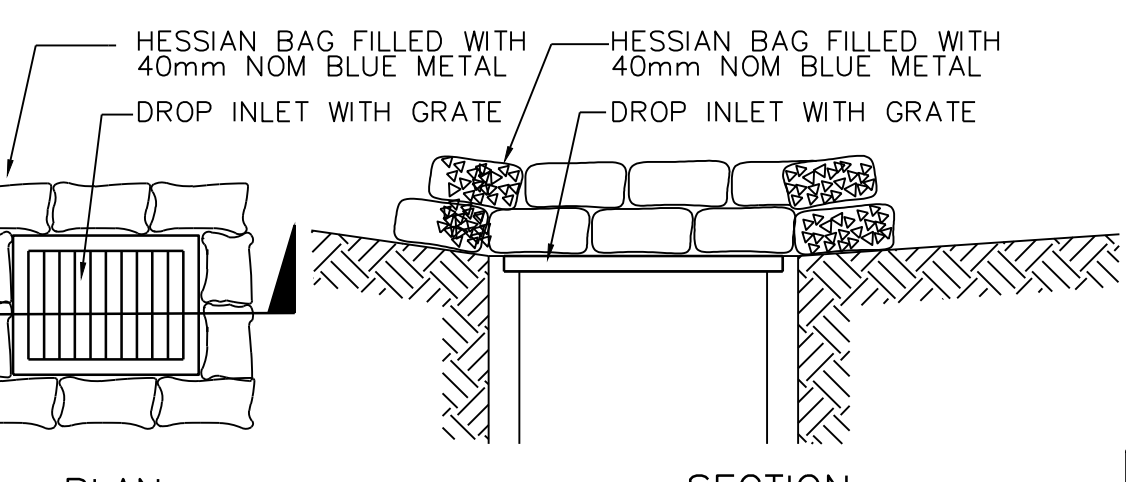
NTS

HESSIAN BAG DROP INLET

NTS

SEDIMENT TRAP

NTS



SEDIMENT TRAP

NTS

HESSIAN BAG DROP INLET

NTS

SEDIMENT TRAP

NTS

HESSIAN BAG DROP INLET

NTS

SEDIMENT TRAP

NTS

HESSIAN BAG DROP INLET

NTS

SEDIMENT TRAP

NTS

HESSIAN BAG DROP INLET

NTS

SEDIMENT TRAP

NTS

HESSIAN BAG DROP INLET

NTS

SEDIMENT TRAP

NTS

HESSIAN BAG DROP INLET

NTS

SEDIMENT TRAP

NTS

HESSIAN BAG DROP INLET

NTS

SEDIMENT TRAP

NTS

HESSIAN BAG DROP INLET

NTS

SEDIMENT TRAP

NTS

HESSIAN BAG DROP INLET

NTS

SEDIMENT TRAP

NTS

HESSIAN BAG DROP INLET

NTS

SEDIMENT TRAP

NTS

HESSIAN BAG DROP INLET

NTS

SEDIMENT TRAP

NTS

HESSIAN BAG DROP INLET

NTS

SEDIMENT TRAP

NTS

HESSIAN BAG DROP INLET

NTS

SEDIMENT TRAP

NTS

HESSIAN BAG DROP INLET

NTS

SEDIMENT TRAP

NTS

HESSIAN BAG DROP INLET

NTS

SEDIMENT TRAP

NTS

HESSIAN BAG DROP INLET

NTS

SEDIMENT TRAP

NTS

HESSIAN BAG DROP INLET

NTS

SEDIMENT TRAP

NTS

HESSIAN BAG DROP INLET

NTS

SEDIMENT TRAP

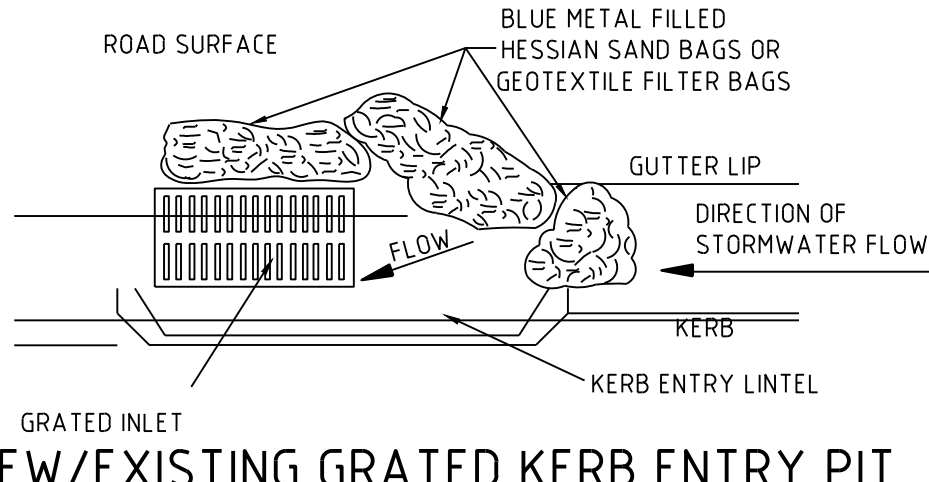
NTS

HESSIAN BAG DROP INLET

NTS

SEDIMENT TRAP

NTS



SEDIMENT CONTROL BARRIER

NTS

SEDIMENT CONTROL BARRIER

NTS

SEDIMENT CONTROL BARRIER

NTS

SEDIMENT CONTROL BARRIER

NTS

SEDIMENT CONTROL BARRIER

NTS

SEDIMENT CONTROL BARRIER

NTS

SEDIMENT CONTROL BARRIER

NTS

SEDIMENT CONTROL BARRIER

NTS

SEDIMENT CONTROL BARRIER

NTS

SEDIMENT CONTROL BARRIER

NTS

SEDIMENT CONTROL BARRIER

NTS

SEDIMENT CONTROL BARRIER

NTS

SEDIMENT CONTROL BARRIER

NTS

SEDIMENT CONTROL BARRIER

NTS

SEDIMENT CONTROL BARRIER

NTS

SEDIMENT CONTROL BARRIER

NTS

SEDIMENT CONTROL BARRIER

NTS

SEDIMENT CONTROL BARRIER

NTS

SEDIMENT CONTROL BARRIER

NTS

SEDIMENT CONTROL BARRIER

NTS

SEDIMENT CONTROL BARRIER

NTS

SEDIMENT CONTROL BARRIER

NTS

SEDIMENT CONTROL BARRIER

NTS

SEDIMENT CONTROL BARRIER

NTS

SEDIMENT CONTROL BARRIER

NTS

SEDIMENT CONTROL BARRIER

NTS

SEDIMENT CONTROL BARRIER

NTS

SEDIMENT CONTROL BARRIER

NTS

SEDIMENT CONTROL BARRIER

NTS

SEDIMENT CONTROL BARRIER

NTS

SEDIMENT CONTROL BARRIER

NTS

SEDIMENT CONTROL BARRIER

NTS

SEDIMENT CONTROL BARRIER

NTS

SEDIMENT CONTROL BARRIER

NTS

SEDIMENT CONTROL BARRIER

NTS

SEDIMENT CONTROL BARRIER

NTS

SEDIMENT CONTROL BARRIER

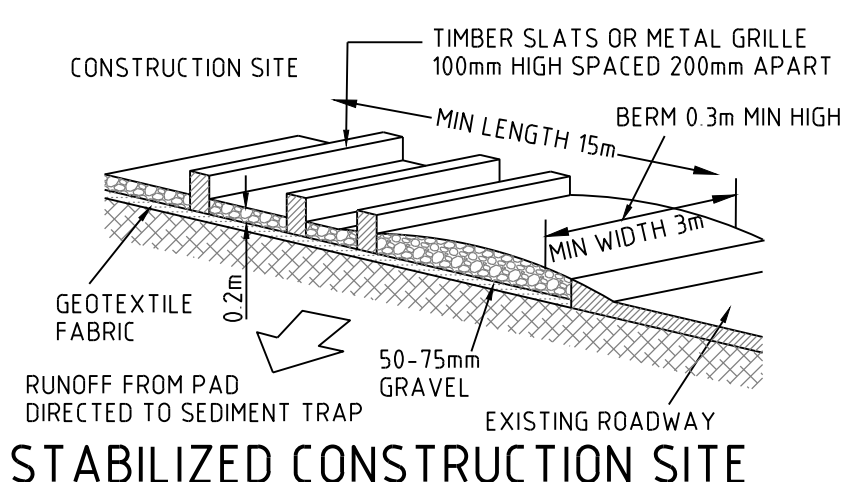
NTS

SEDIMENT CONTROL BARRIER

NTS

SEDIMENT CONTROL BARRIER

NTS



VEHICLE ENTRY/EXIT

NTS

VEHICLE ENTRY/EXIT

NTS

VEHICLE ENTRY/EXIT

NTS

VEHICLE ENTRY/EXIT

NTS

VEHICLE ENTRY/EXIT

NTS

VEHICLE ENTRY/EXIT

NTS

VEHICLE ENTRY/EXIT

NTS

VEHICLE ENTRY/EXIT

NTS

VEHICLE ENTRY/EXIT

NTS

VEHICLE ENTRY/EXIT

NTS

VEHICLE ENTRY/EXIT

NTS

VEHICLE ENTRY/EXIT

NTS

VEHICLE ENTRY/EXIT

NTS

VEHICLE ENTRY/EXIT

NTS

VEHICLE ENTRY/EXIT

NTS

VEHICLE ENTRY/EXIT

NTS

VEHICLE ENTRY/EXIT

NTS

VEHICLE ENTRY/EXIT

NTS

VEHICLE ENTRY/EXIT

NTS

VEHICLE ENTRY/EXIT

NTS

VEHICLE ENTRY/EXIT

NTS

VEHICLE ENTRY/EXIT

NTS

VEHICLE ENTRY/EXIT

NTS

VEHICLE ENTRY/EXIT

NTS

VEHICLE ENTRY/EXIT

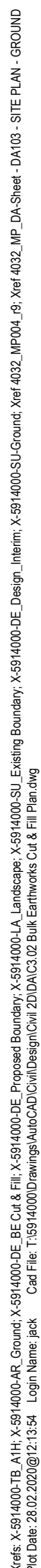
NTS

VEHICLE ENTRY/EXIT

NTS



TITLE				
BULK EARTHWORKS PLAN				
SCALE AS SHOWN	DRAWN M.D.	DESIGNED J.W.	CHECKED L.S.	APPROVED L.S.
JOB No. 5914000		DRAWING No. C3.01		ISSUE 1
DATE MARCH 2018	STATUS DEVELOPMENT APPLICATION			



Levels Table				
No.	From Depth	To Depth	Colour	Depth Range Volume
1	-3.356	-2.000		1027.17m ³
2	-2.000	-1.000		3557.35m ³
3	-1.000	0.000		15626.26m ³
4	0.000	1.000		22230.77m ³
5	1.000	2.000		2833.77m ³
6	2.000	3.030		211.58m ³

PRELIMINARY - NOT FOR CONSTRUCTION

12.5 0 5 10 15 20 25m
PLAN SCALE 1:750 A1 SHEET

CLIENT	 Sydney Catholic Schools
PROJECT	ST ANTHONY OF PADUA CATHOLIC SCHOOL

PREPARED BY



**Warren
Smith &
Partners**

Warren Smith & Partners Pty Ltd
Level 9, 233 Castlereagh St, Sydney 2000 NSW Australia
02 9299 1312 wsp@warrensmith.com.au
www.warrensmith.com.au ABN 36 300 430 126

CONSULTING ENGINEERS

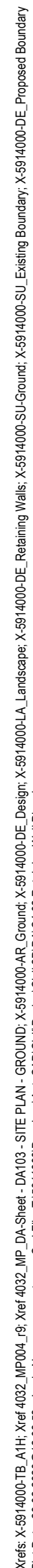
- Hydraulic Services ■ Fire Services
- Civil Services ■ Sydney Water Accredited Water Servicing Co-ordinator and Designer

SERVING THE CONSTRUCTION INDUSTRY
SINCE 1981



GCCO
Geotechnical Construction Contractors Organisation

TITLE				
BULK EARTHWORKS CUT & FILL PLAN				
SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
AS SHOWN	M.D.	J.W.	L.S.	L.S.
JOB No.		DRAWING No.		ISSUE
5914000		C3.02		1
DATE	STATUS			
MARCH 2018	DEVELOPMENT APPLICATION			



NOTES

1. RETAINING WALL PLAN OUTLINES THE EXTENT OF PROPOSED RETAINING WALLS ASSOCIATED WITH THE PRECINCT.



PRELIMINARY - NOT FOR CONSTRUCTION

[illegible]

LEGEND

	EXISTING BOUNDARY
	PROPOSED BOUNDARY
	EXISTING BARRIER LINE
	EXISTING GIVE WAY LINE



FOURTH

AVENUE



A triangular white sign with a red border and the words "GIVE WAY" in black capital letters.

EDGE OF BITUMEN

EDGE OF BITUMEN

R4-1A 

2.5 0 2.5 5.0 7.5 10.0m
PLAN SCALE 1:200 A1 SHEET

CLIENT

Sydney
Catholic
Schools

PROJECT

ST ANTHONY OF PAUDA
CATHOLIC SCHOOL

ST ANTHONY OF PAUDA
CATHOLIC SCHOOL

Warren
Smith &
Partners



**SERVING THE CONSTRUCTION INDUSTRY
SINCE 1981.**

DATE
MARCH 2018

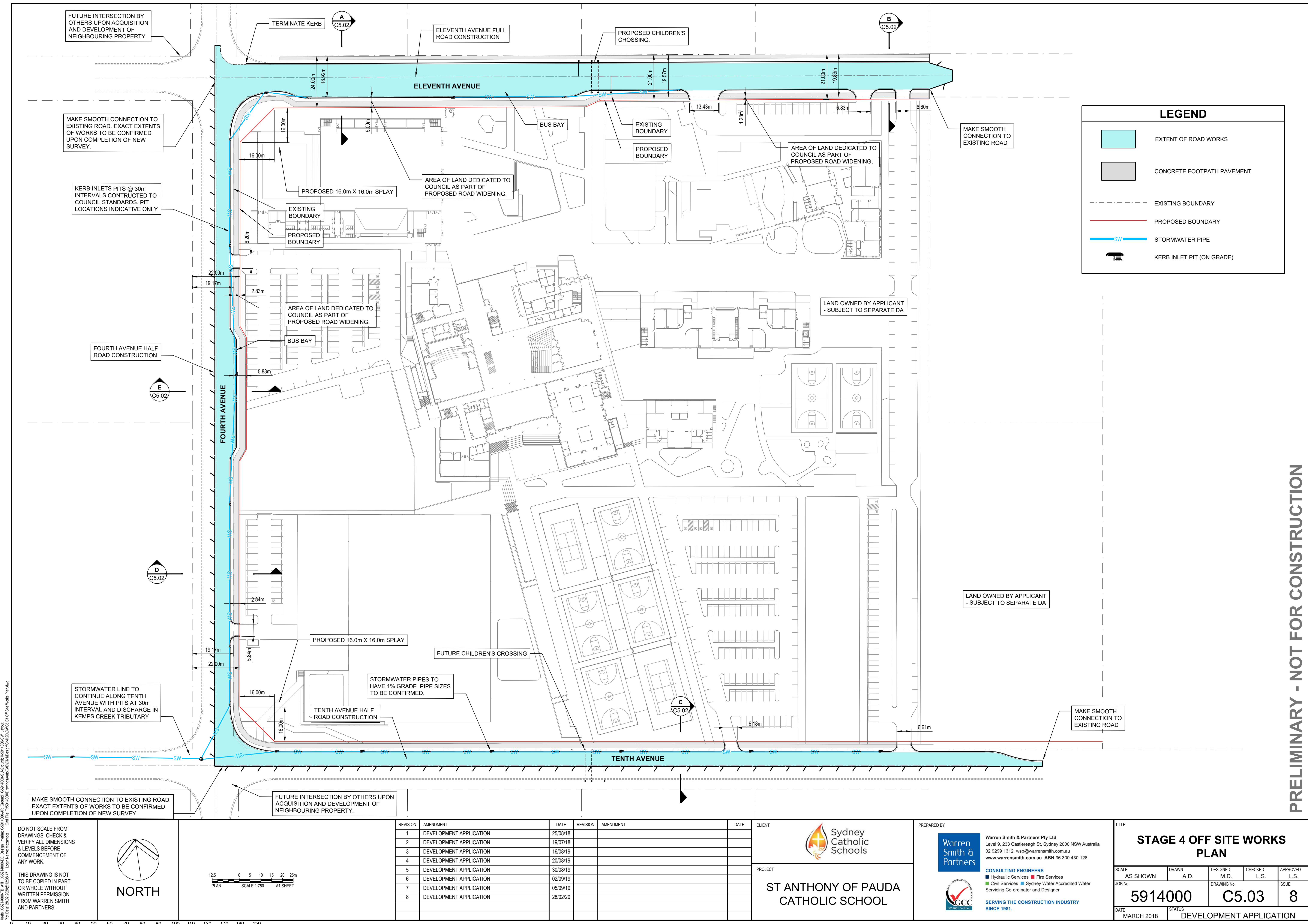
STATUS	DEV
--------	-----

DEVELOPMENT

PRELIMINARY - NOT FOR CONSTRUCTION



TITLE									
EXISTING CONDITION 10TH AND 4TH AVE INTERSECTION									
SCALE	AS SHOWN	DRAWN	A.D.	DESIGNED	P.M.	CHECKED	L.S.	APPROVED	L.S.
JOB No.	5914000			DRAWING No.			C5.02		
						ISSUE			2
DATE	MARCH 2018		STATUS	DEVELOPMENT APPLICATION					



LEGEND

- EXTENT OF ROAD WORKS
- CONCRETE FOOTPATH PAVEMENT
- EXISTING BOUNDARY
- PROPOSED BOUNDARY
- STORMWATER PIPE
- KERB INLET PIT (ON GRADE)

PRELIMINARY - NOT FOR CONSTRUCTION

DO NOT SCALE FROM DRAWINGS. CHECK & VERIFY ALL DIMENSIONS & LEVELS BEFORE COMMENCEMENT OF ANY WORK.

THIS DRAWING IS NOT TO BE COPIED IN PART OR WHOLE WITHOUT WRITTEN PERMISSION FROM WARREN SMITH AND PARTNERS.

NORTH

12.5 0 5 10 15 20 25m

PLAN SCALE 1:750 A1 SHEET

REVISION	AMENDMENT	DATE	REVISION	AMENDMENT	DATE
1	DEVELOPMENT APPLICATION	25/08/18			
2	DEVELOPMENT APPLICATION	19/07/18			
3	DEVELOPMENT APPLICATION	16/08/19			
4	DEVELOPMENT APPLICATION	20/08/19			
5	DEVELOPMENT APPLICATION	30/08/19			
6	DEVELOPMENT APPLICATION	02/09/19			
7	DEVELOPMENT APPLICATION	05/09/19			
8	DEVELOPMENT APPLICATION	28/02/20			

CLIENT

Sydney Catholic Schools

PROJECT

ST ANTHONY OF PAUDA CATHOLIC SCHOOL

PREPARED BY

Warren Smith & Partners

Warren Smith & Partners Pty Ltd
Level 9, 233 Castlereagh St, Sydney 2000 NSW Australia
02 9299 1312 wsp@warrensmith.com.au
www.warrensmith.com.au ABN 36 300 430 126

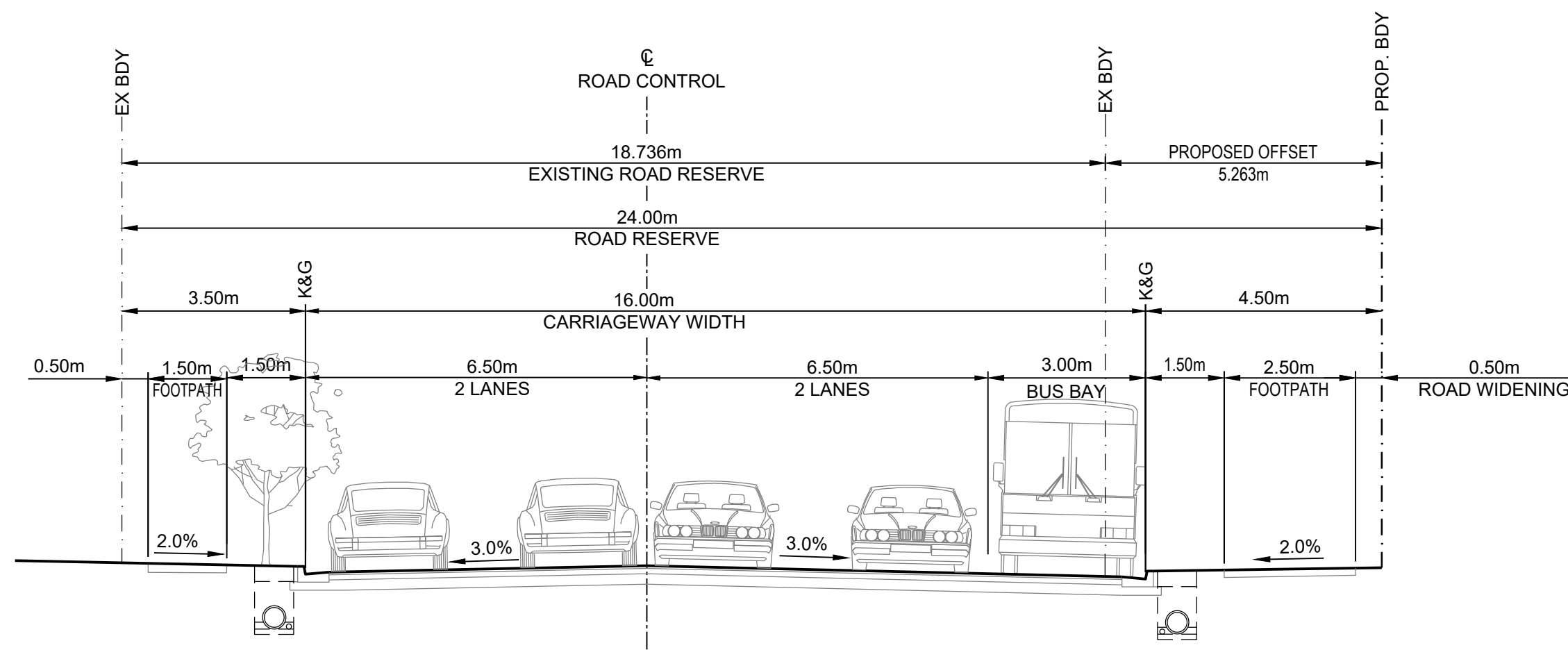
CONSULTING ENGINEERS

- Hydraulic Services
- Fire Services
- Civil Services
- Sydney Water Accredited Water Servicing Co-ordinator and Designer

SERVING THE CONSTRUCTION INDUSTRY SINCE 1981.

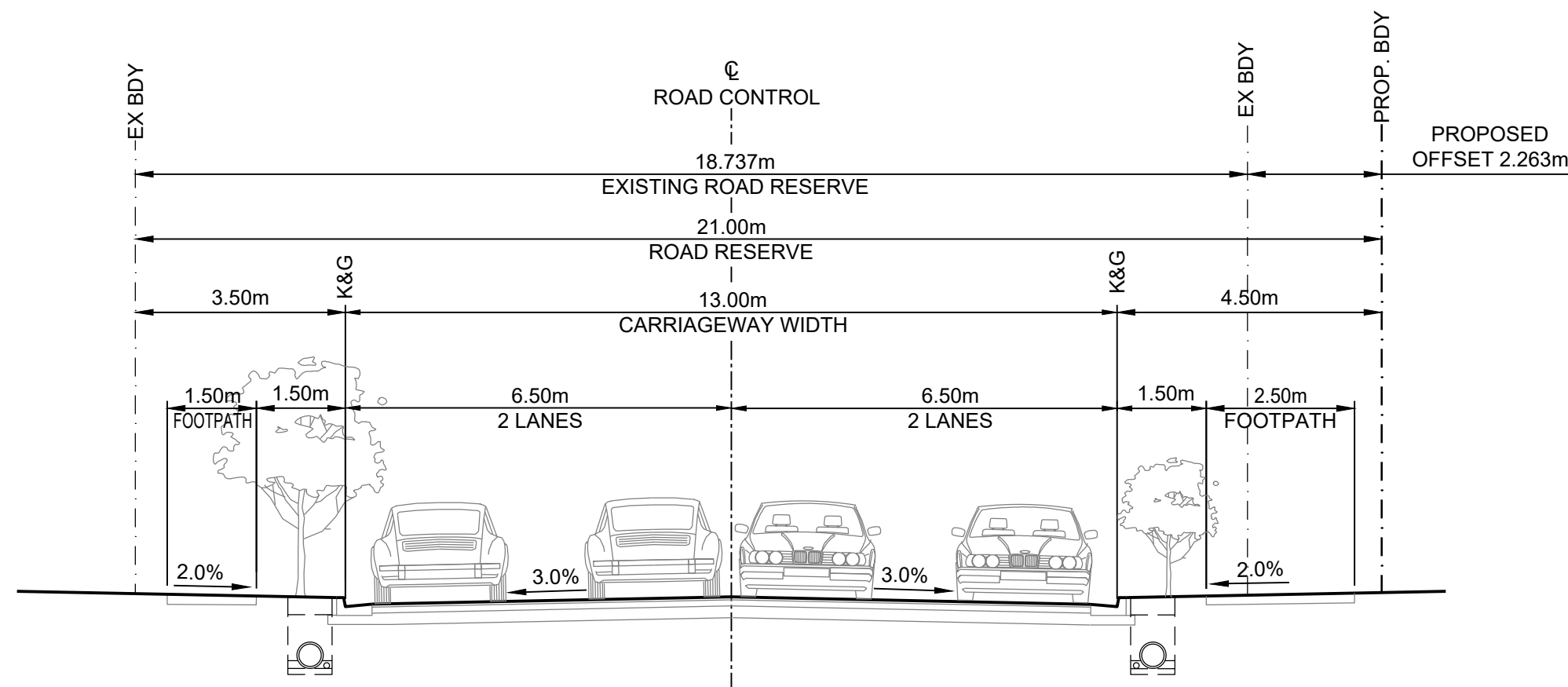
GCC

TITLE				
STAGE 4 OFF SITE WORKS PLAN				
SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
AS SHOWN	A.D.	M.D.	L.S.	L.S.
JOB No.	DRAWING No.		ISSUE	
5914000	C5.03		8	
DATE	STATUS			
MARCH 2018	DEVELOPMENT APPLICATION			



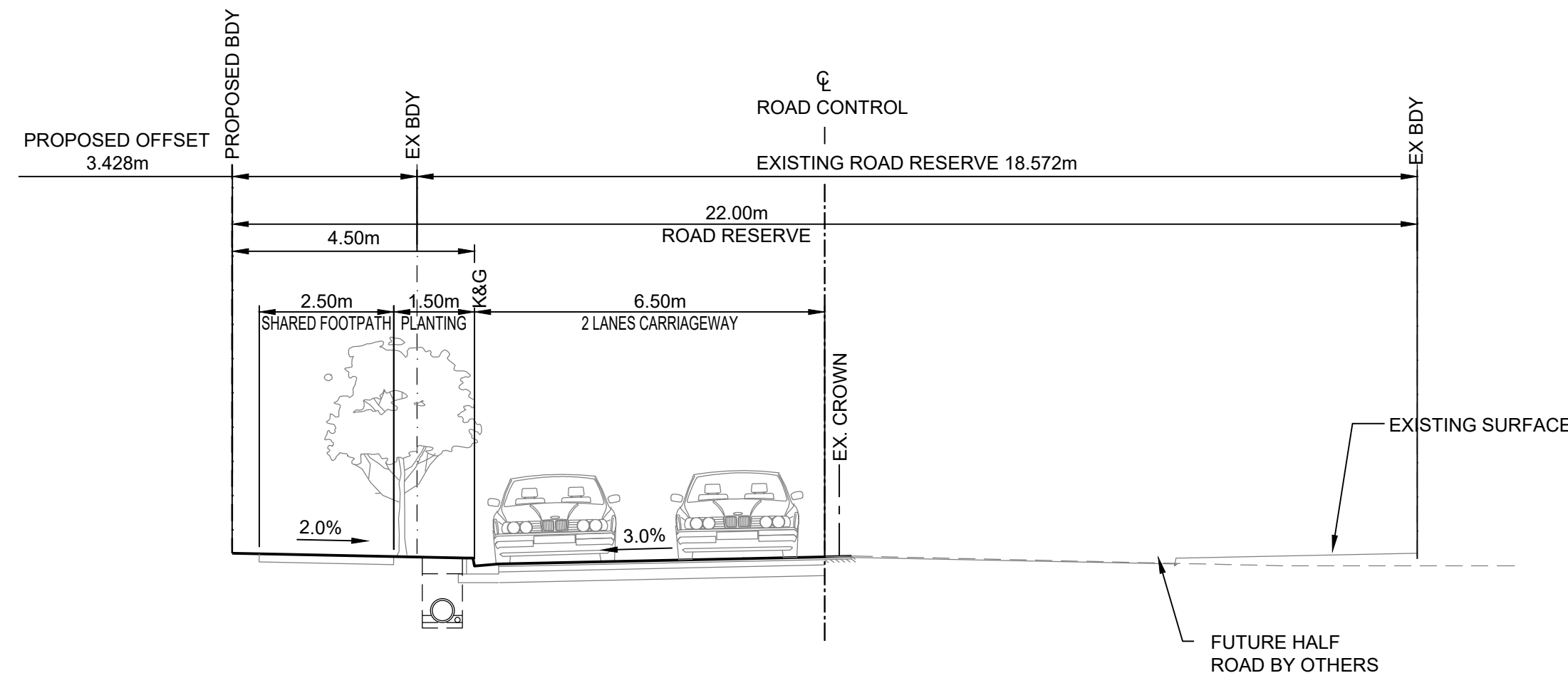
TYPICAL SECTION A - ELEVENTH AVENUE

SCALE 1:100



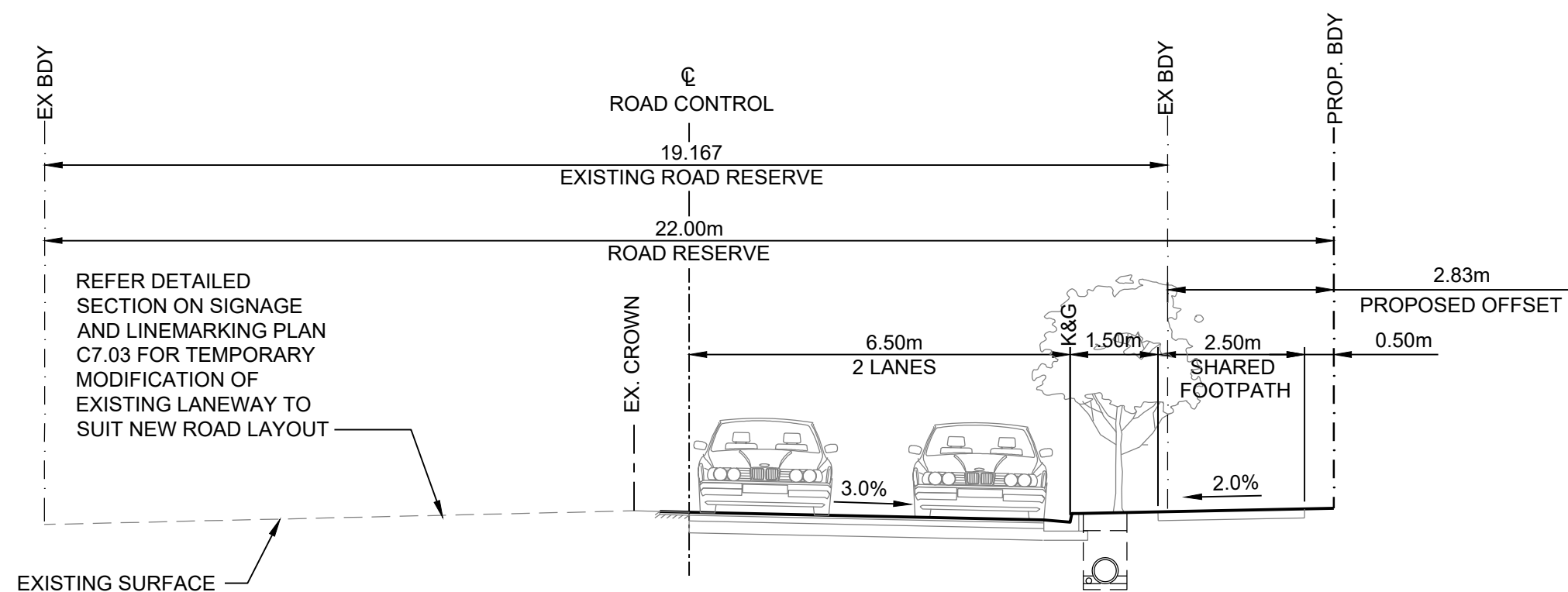
TYPICAL SECTION B - ELEVENTH AVENUE

SCALE 1:100



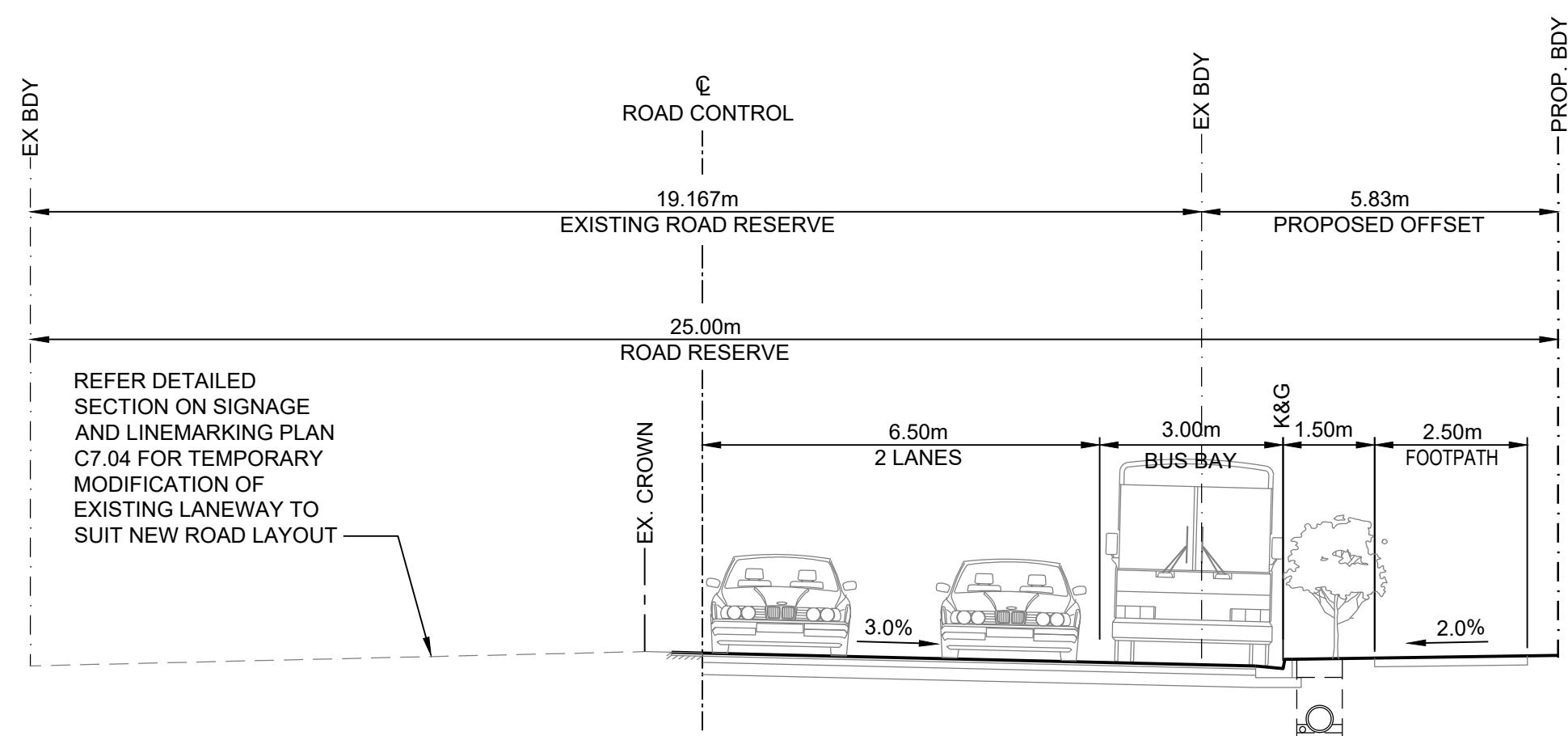
TYPICAL SECTION C - TENTH AVENUE

SCALE 1:100



TYPICAL SECTION D - FOURTH AVENUE

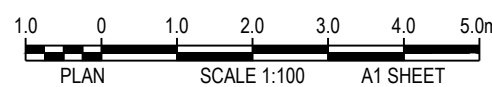
SCALE 1:100



TYPICAL SECTION E - FOURTH AVENUE

SCALE 1:100

NOTE:
- OFFSET CROWN TO BE DETERMINED WHEN ROAD GEOMETRY IS FINALISED.



REVISION	AMENDMENT	DATE	REVISION	AMENDMENT	DATE
1	DEVELOPMENT APPLICATION	25/05/18			
2	DEVELOPMENT APPLICATION	19/07/18			
3	DEVELOPMENT APPLICATION	16/08/19			
4	DEVELOPMENT APPLICATION	20/08/19			
5	DEVELOPMENT APPLICATION	30/08/19			
6	DEVELOPMENT APPLICATION	24/09/19			
7	DEVELOPMENT APPLICATION	28/02/20			

CLIENT

 Sydney Catholic Schools

PROJECT

ST ANTHONY OF PAUDA CATHOLIC SCHOOL

PREPARED BY

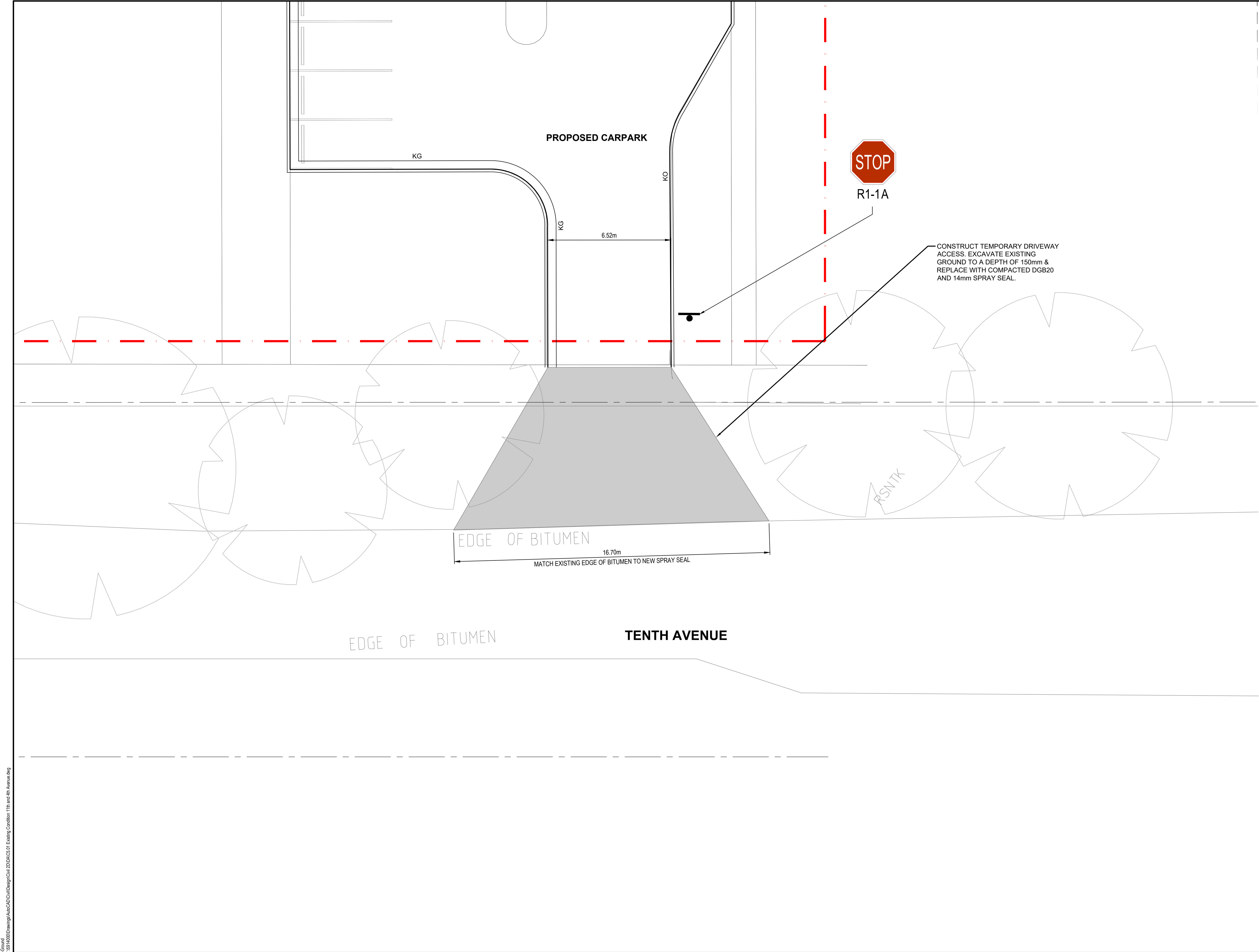
 Warren Smith & Partners
Level 9, 233 Castlereagh St, Sydney 2000 NSW Australia
02 9299 1312 wsp@warrensmith.com.au
www.warrensmith.com.au ABN 36 300 430 126

 GCC
SERVING THE CONSTRUCTION INDUSTRY SINCE 1981.

CONSULTING ENGINEERS
■ Hydraulic Services ■ Fire Services
■ Civil Services ■ Sydney Water Accredited Water Servicing Co-ordinator and Designer

STAGE 4 ROAD TYPICAL SECTIONS				
SCALE AS SHOWN	DRAWN A.D.	DESIGNED M.D.	CHECKED L.S.	APPROVED L.S.
JOB No. 5914000		DRAWING No. C5.04	ISSUE 7	
DATE MARCH 2018	STATUS DEVELOPMENT APPLICATION			

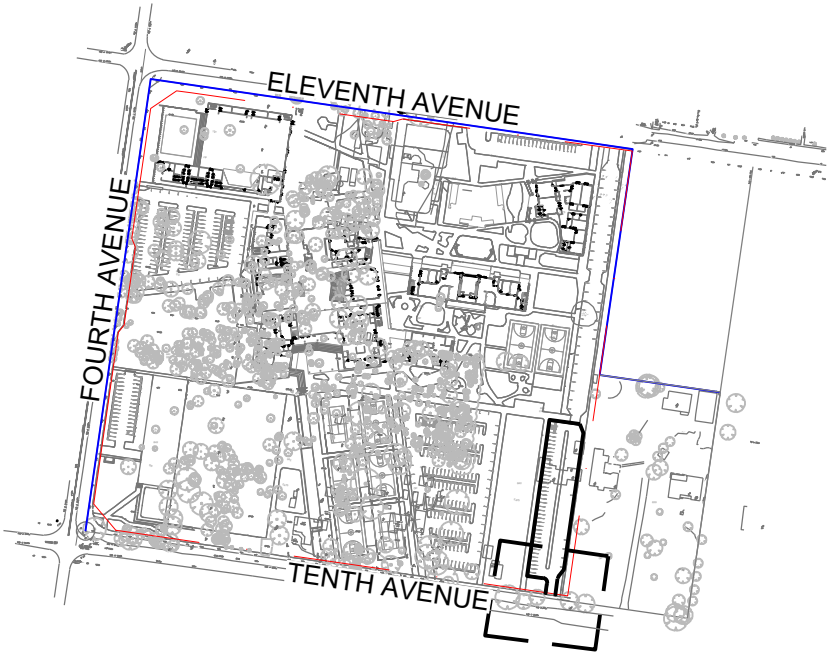
PRELIMINARY - NOT FOR CONSTRUCTION



LEGEND

EXISTING BOUNDARY

PROPOSED BOUNDARY



KEY PLAN

\\fs-1\5914000\TA_A\H\5914000\CAR_Genep\5914000_S1_Genep.dwg
Plot Date: 21/02/2020@10:58:12 Login Name: gsk Car File: \\5914000\Drawings\AutoCAD\Civil\Design\Civil_BDDAUCS_01 Existing Condition 1.tif and 4th Avenue.dwg

DO NOT SCALE FROM DRAWINGS, CHECK & VERIFY ALL DIMENSIONS & LEVELS BEFORE COMMENCEMENT OF ANY WORK.

THIS DRAWING IS NOT TO BE COPIED IN PART OR WHOLE WITHOUT WRITTEN PERMISSION FROM WARREN SMITH AND PARTNERS.

REVISION	AMENDMENT	DATE	REVISION	AMENDMENT	DATE
1	DEVELOPMENT APPLICATION	05/11/19			

Sydney Catholic Schools

ST ANTHONY OF PAUDA CATHOLIC SCHOOL

PREPARED BY

Warren Smith & Partners

Warren Smith & Partners Pty Ltd
Level 9, 233 Castlereagh St, Sydney 2000 NSW Australia
02 9299 1312 wsp@warrensmith.com.au
www.warrensmith.com.au ABN 36 300 430 126

CONSULTING ENGINEERS

■ Hydraulic Services ■ Fire Services

■ Civil Services ■ Sydney Water Accredited Water Servicing Co-ordinator and Designer

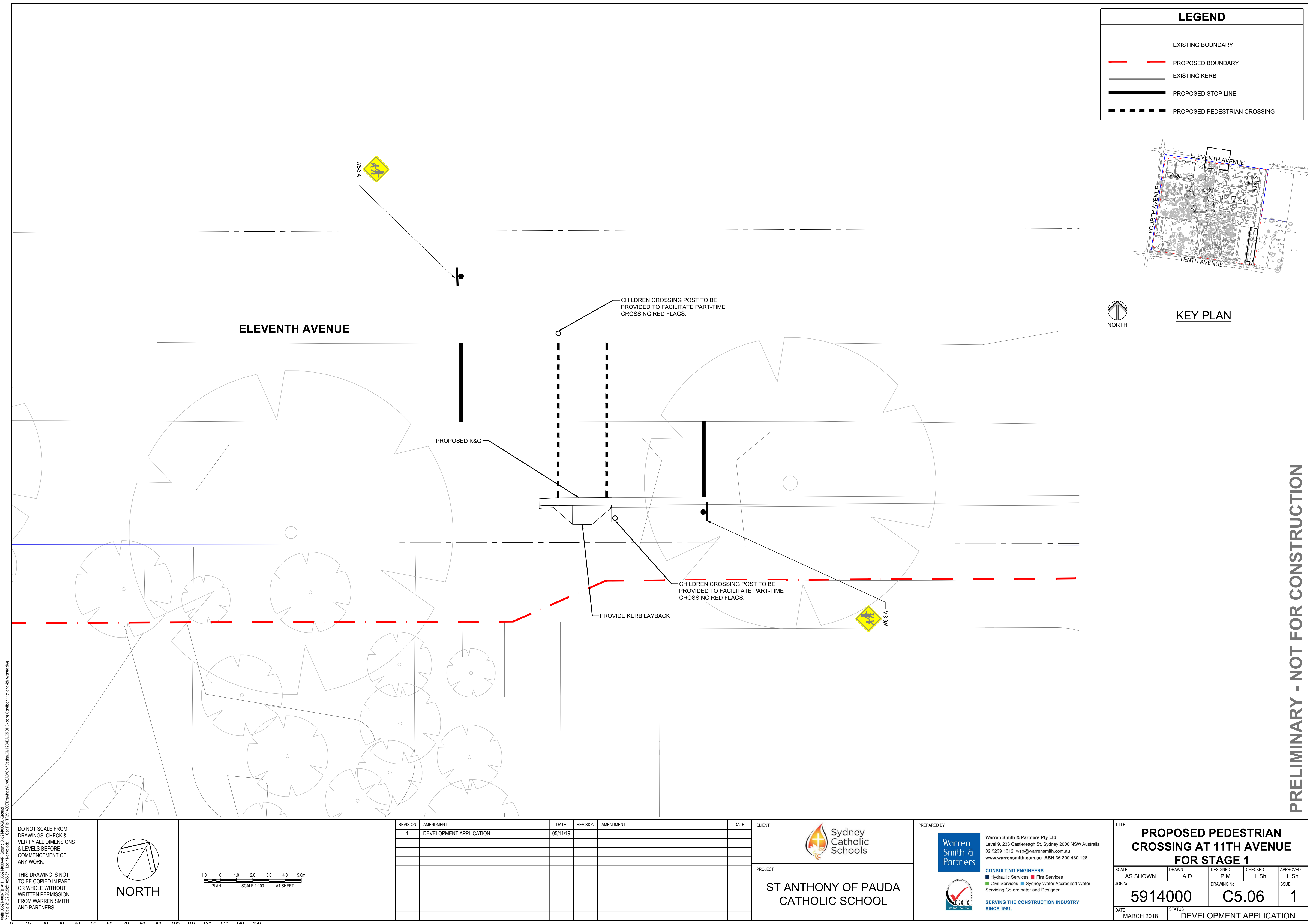
SERVING THE CONSTRUCTION INDUSTRY SINCE 1981.

TITLE

PROPOSED CARPARK ACCESS AT 10TH AVENUE FOR STAGE 1

SCALE AS SHOWN	DRAWN A.D.	DESIGNED P.M.	CHECKED L.Sh.	APPROVED L.Sh.
JOB No. 5914000	DRAWING No. C5.05	ISSUE 1		
DATE MARCH 2018	STATUS DEVELOPMENT APPLICATION			

PRELIMINARY - NOT FOR CONSTRUCTION



LEGEND

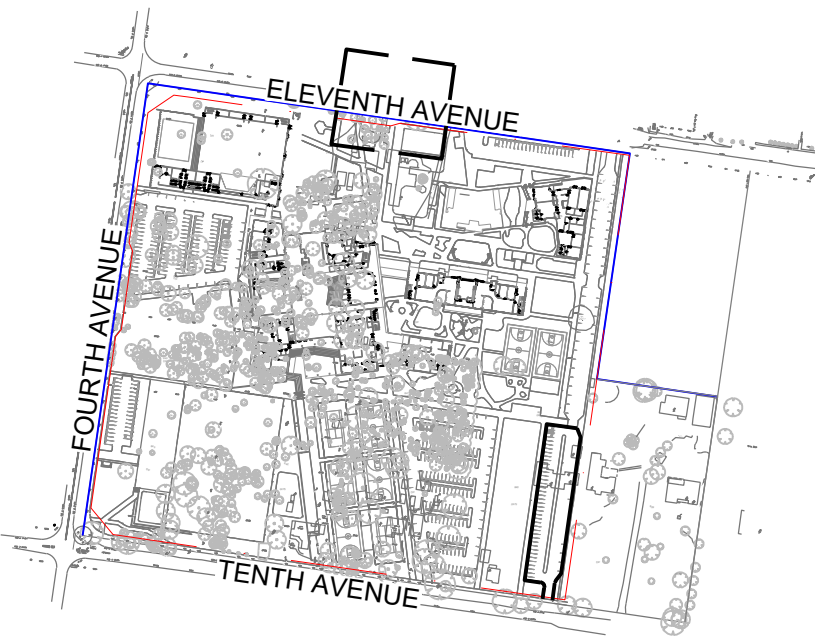
EXISTING BOUNDARY

PROPOSED BOUNDARY

EXISTING KERB

PROPOSED STOP LINE

PROPOSED PEDESTRIAN CROSSING

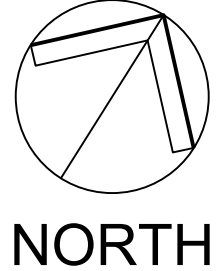


KEY PLAN

Y:\01_19\1000_TB_A\H\X\5914000.dwg, Project: 5914000, SU Concept, Plot Date: 21/02/2020 @ 15:53:37, User Name: gsk, Cal File: T:\5914000\Drawings\AutoCAD\Civil\Design\Civil_BD\A01\01.dwg, Condition 11th and 4th Avenue.dwg

DO NOT SCALE FROM DRAWINGS, CHECK & VERIFY ALL DIMENSIONS & LEVELS BEFORE COMMENCEMENT OF ANY WORK.

THIS DRAWING IS NOT TO BE COPIED IN PART OR WHOLE WITHOUT WRITTEN PERMISSION FROM WARREN SMITH AND PARTNERS.



REVISION	AMENDMENT	DATE	REVISION	AMENDMENT	DATE
1	DEVELOPMENT APPLICATION	05/11/19			

CLIENT

ST ANTHONY OF PAUDA CATHOLIC SCHOOL

PROJECT

PREPARED BY

Warren Smith & Partners Pty Ltd

Level 9, 233 Castlereagh St, Sydney 2000 NSW Australia

02 9299 1312 wsp@warrensmith.com.au

www.warrensmith.com.au ABN 36 300 430 126

CONSULTING ENGINEERS

■ Hydraulic Services ■ Fire Services

■ Civil Services ■ Sydney Water Accredited Water Servicing Co-ordinator and Designer

SERVING THE CONSTRUCTION INDUSTRY SINCE 1981.

TITLE				
PROPOSED PEDESTRIAN CROSSING AT 11TH AVENUE FOR STAGE 1				
SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
AS SHOWN	A.D.	P.M.	L.Sh.	L.Sh.
JOB No.	DRAWING No.		ISSUE	
5914000	C5.06		1	
DATE	STATUS			
MARCH 2018	DEVELOPMENT APPLICATION			

PRELIMINARY - NOT FOR CONSTRUCTION

C6.02 SHEET 1

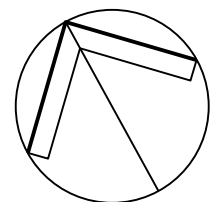
C6.03 SHEET 2

PRELIMINARY - NOT FOR CONSTRUCTION

Xrefs: X-5914000-SU_Ground; X-5914000-SW_Layout; X-5914000-TB_A1H; X-5914000-AR_Ground; X-5914000-SU_Ground ELVIS; X-5914000-DE_Design_Intrim; X-5914000-LA_Landscape; Xref 4032_MPO04_r9; Xref 4032_MP_DA_Sheet - DA103 - SITE PLAN - GROUND
Plot Date: 28.02.2020@13:10:33 Login Name: mczamola Cad File: T:\5914000\Drawings\AutoCAD\Civil Design\Civil 2D\DA106.01 Stormwater Key Plan.dwg

DO NOT SCALE FROM
DRAWINGS, CHECK &
VERIFY ALL DIMENSIONS
& LEVELS BEFORE
COMMENCEMENT OF
ANY WORK.

THIS DRAWING IS NOT
TO BE COPIED IN PART
OR WHOLE WITHOUT
WRITTEN PERMISSION
FROM WARREN SMITH
AND PARTNERS.



NORTH

[illegible]

	CLIENT
--	--------



ST ANTHONY OF PAUDA
CATHOLIC SCHOOL

PREPARED BY	
-------------	--



Warren Smith & Partners Pty Ltd
Level 9, 233 Castlereagh St, Sydney 2000 NSW Australia
02 9299 1312 wsp@warrensmith.com.au
www.warrensmith.com.au ABN 36 300 430 126



**SERVING THE CONSTRUCTION INDUSTRY
SINCE 1981.**

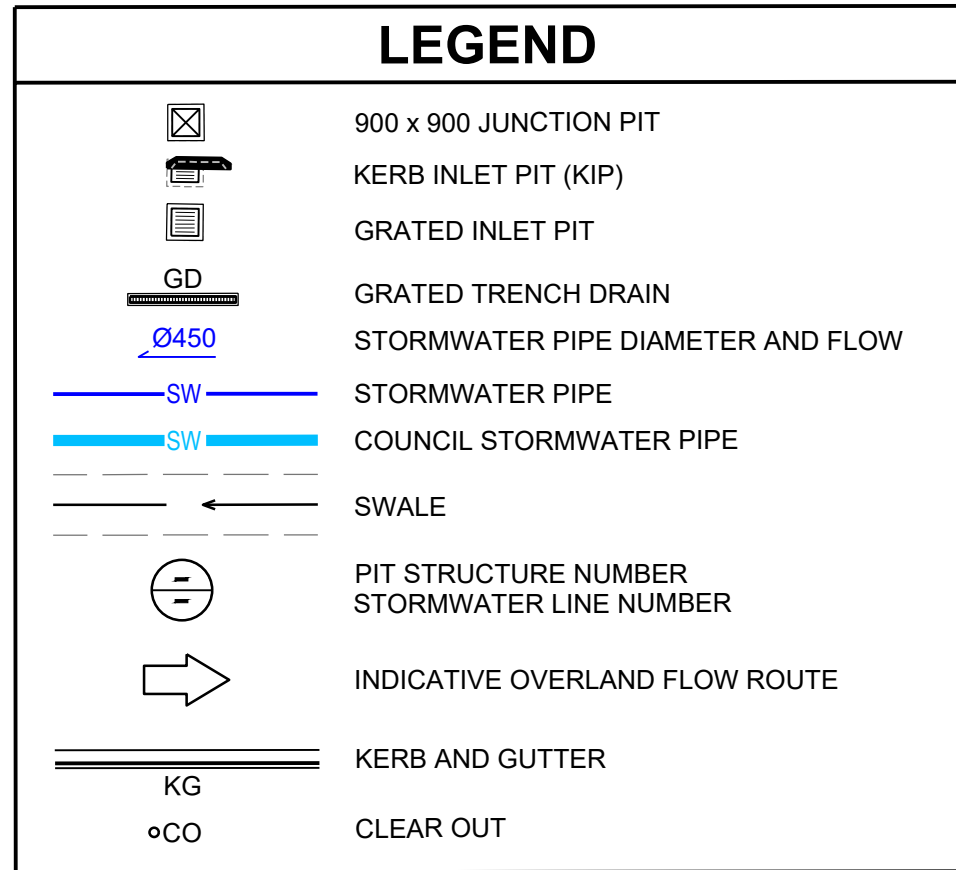
TITLE

STORMWATER KEY PLAN

SCALE AS SHOWN	DRAWN A.D.	DESIGNED M.D.	CHECKED L.S.	APPROVED L.S.
JOB No. 5914000		DRAWING No. C6.01		ISSUE 2
DATE MARCH 2018	STATUS DEVELOPMENT APPLICATION			

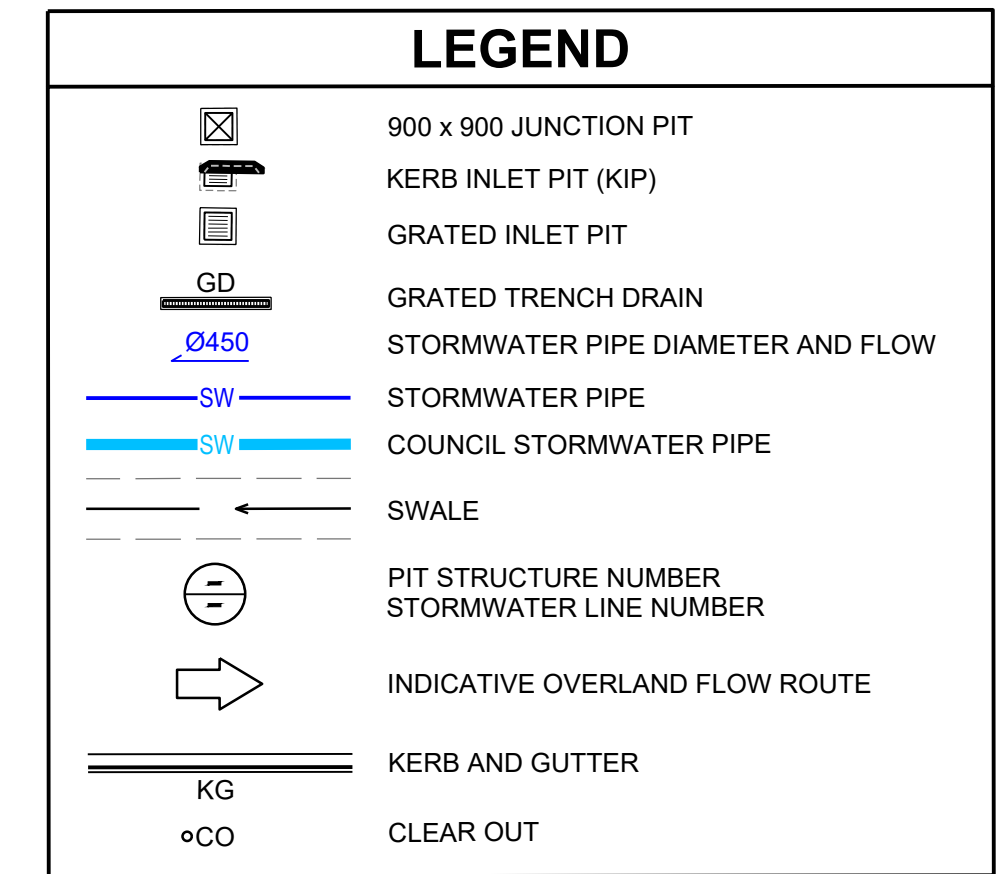
Xrefs: X-914000-SU_Ground; X-914000-SW_Layout; X-914000-TB_A1H; X-914000-SU_Ground ELVIS; X-914000-DE_Design_Interim; X-914000-LA_Landscape; Xref 4032_MP004_r9; Xref 4032_MP_DA-Sheet - DA103 - SITE PLAN - GROUND
 Plot Date: 28.02.2020@13:12:09 Login Name: mczanola Cad File: T:\914000\Drawings\AutoCAD\Civil\Design\Civil 2D\DA103 01 Stormwater Key Plan.dwg

PRELIMINARY - NOT FOR CONSTRUCTION



NOTE: A NEW ROAD AND STORMWATER INFRASTRUCTURE WILL BE CONSTRUCTED IN FOURTH, TENTH AND ELEVENTH AVENUES. CONNECTION DETAILS OF THE SITE STORMWATER SHALL BE REVIEWED, WITH COUNCIL'S APPROVAL, AT DETAILED DESIGN STAGE.

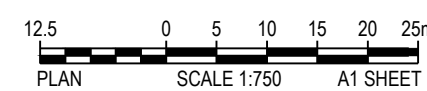
TITLE				
STORMWATER LAYOUT PLAN - SHEET 1				
SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
AS SHOWN	A.D.	M.D.	L.S.	L.S.
JOB No.		DRAWING No.	ISSUE	
5914000		C6.02	4	
DATE	STATUS			
MARCH 2018	DEVELOPMENT APPLICATION			



 Western Australia Department of Water and Environmental Planning	TITLE									
	STORMWATER LAYOUT PLAN - SHEET 2									
	SCALE	AS SHOWN	DRAWN	A.D.	DESIGNED	M.D.	CHECKED	L.S.	APPROVED	L.S.
	JOB No.			DRAWING No.			ISSUE			
	5914000			C6.03			2			
DATE		MARCH 2018		STATUS		DEVELOPMENT APPLICATION				



NORTH

[illegible]

CLIENT	 Sydney Catholic Schools
PROJECT	ST ANTHONY OF PAUDA CATHOLIC SCHOOL



Warren Smith & Partners Pty Ltd
Level 9, 233 Castlereagh St, Sydney 2000 NSW Australia
02 9299 1312 wsp@warrensmith.com.au
www.warrensmith.com.au ABN 36 300 430 126

CONSULTING ENGINEERS

- Hydraulic Services ■ Fire Services
- Civil Services ■ Sydney Water Accredited Water Servicing Co-ordinator and Designer

SERVING THE CONSTRUCTION INDUSTRY SINCE 1981.



THE CONSTRUCTION INDUSTRY
GCC
GROWTH CO-ORDINATOR

DO NOT SCALE FROM
DRAWINGS, CHECK &
VERIFY ALL DIMENSIONS
& LEVELS BEFORE
COMMENCEMENT OF
ANY WORK.

THIS DRAWING IS NOT
TO BE COPIED IN PART
OR WHOLE WITHOUT
WRITTEN PERMISSION
FROM WARREN SMITH
AND PARTNERS.

[illegible]

Cat File: 15914000Drawing:AutoCAD/CivilDesign/Output/DWG/638 Summary PI Schedule Sheet 1.dwg Xrefs: X:5914000-1B.dwg P:02.dwg T:1,2,3,4,5,6,7 Log: Name Job	Name	Surface Elev. (m)	Pit Depth (m)	Pit Size and Type	From	To	Length (m)	U/S IL (m)	D/S IL (m)	Slope (%)	Pipe Type	Dia (mm)	No. Pipes
	Pit 1/1	72.37	0.98	900SQ PIT, CLASS B GRATE	Pit 1/1	Pit 2/1	62.05	71.39	70.69	1.13	RCP (CLASS 3)	525	1
	Pit 2/1	71.67	1.13	900SQ PIT, CLASS B GRATE	Pit 2/1	Pit 3/1	8.70	70.54	70.36	2.07	RCP (CLASS 3)	525	1
	Pit 3/1	71.51	1.18	900SQ PIT WITH 450 x 900 CLASS D SINGLE GRATE WITH 1.8m LINTEL OPENING	Pit 3/1	Pit 4/1	35.40	70.33	69.36	2.74	RCP (CLASS 3)	525	1
	Pit 4/1	70.54	1.29	900SQ PIT WITH 450 x 900 CLASS D SINGLE GRATE WITH 1.8m LINTEL OPENING	Pit 4/1	Pit 5/1	23.21	69.25	68.21	4.48	RCP (CLASS 3)	600	1
	Pit 5/1	69.96	1.78	900SQ PIT WITH 450 x 900 CLASS D SINGLE GRATE WITH 1.8m LINTEL OPENING	Pit 5/1	Pit 6/1	8.02	68.18	67.86	3.99	RCP (CLASS 3)	600	1
	Pit 6/1	70.13	2.30	900SQ PIT WITH 450 x 900 CLASS D SINGLE GRATE WITH 1.8m LINTEL OPENING	Pit 6/1	Pit 7/1	25.44	67.83	66.93	3.54	RCP (CLASS 3)	600	1
	Pit 7/1	68.77	1.87	900SQ PIT, CLASS B GRATE	Pit 7/1	Pit 8/1	25.04	66.90	66.40	2.00	RCP (CLASS 3)	600	1
	Pit 8/1	67.50	1.43	2 x 900SQ PIT, CLASS B GRATE	Pit 8/1	Pit 9/1	19.70	66.07	65.50	2.89	RCP (CLASS 3)	825	1
	Pit 9/1	67.00	2.40	900SQ PIT WITH 450 x 900 CLASS D SINGLE GRATE WITH 1.8m LINTEL OPENING	Pit 9/1	OSD Tank 4	4.40	64.60	64.56	0.91	RCP (CLASS 3)	900	1
	Pit 10/1	66.10	1.05	900SQ PIT WITH 450 x 900 CLASS D SINGLE GRATE WITH 1.8m LINTEL OPENING	Pit 10/1	Pit 9/1	27.00	65.05	64.78	1.00	RCP (CLASS 3)	450	1
					OSD Tank 4	Pit 11/1	10.48	64.50	64.40	0.95	RCP (CLASS 3)	900	1
	Pit 11/1	66.20	1.83	900SQ PIT WITH 450 x 900 CLASS D SINGLE GRATE WITH 1.8m LINTEL OPENING	Pit 11/1	Pit 12/1	38.70	64.37	63.97	1.03	RCP (CLASS 3)	900	1
	Pit 12/1	65.60	1.69	900SQ PIT, CLASS B GRATE	Pit 12/1	Tenth Avenue Stw System	15.38	63.91	63.80	0.72	RCP (CLASS 3)	900	1
	Pit 1/2	71.37	0.83	600SQ PIT, CLASS C GRATE	Pit 1/2	Pit 2/2	14.92	70.54	70.10	2.95	RCP (CLASS 3)	225	1
	Pit 2/2	70.93	0.94	900SQ PIT, CLASS C GRATE	Pit 2/2	Pit 3/2	18.83	69.99	69.60	2.07	RCP (CLASS 3)	300	1
	Pit 3/2	70.50	0.93	900SQ PIT, CLASS C GRATE	Pit 3/2	Pit 4/2	18.83	69.57	69.14	2.28	RCP (CLASS 3)	300	1
	Pit 4/2	70.05	1.02	900SQ PIT, CLASS C GRATE	Pit 4/2	Pit 6/1	17.60	69.03	68.80	1.31	RCP (CLASS 3)	375	1
	Pit 1/3	70.99	0.83	600SQ PIT, CLASS C GRATE	Pit 1/3	Pit 3/2	16.17	70.16	69.67	3.03	RCP (CLASS 3)	225	1
	Pit 1/4	73.00	0.68	900SQ PIT, CLASS B GRATE	Pit 1/4	Pit 2/4	42.58	72.32	71.82	1.17	RCP (CLASS 3)	225	1
	Pit 2/4	72.50	1.05	900SQ PIT, CLASS B GRATE	Pit 2/4	Pit 3/4	53.95	71.45	70.91	1.00	RCP (CLASS 3)	450	1
	Pit 3/4	72.00	1.13	900SQ PIT WITH 450 x 900 CLASS D SINGLE GRATE WITH 1.8m LINTEL OPENING	Pit 3/4	Pit 3/1	31.62	70.87	70.38	1.55	RCP (CLASS 3)	525	1
	Pit 1/5	71.56	0.83	900SQ PIT WITH 450 x 900 CLASS D SINGLE GRATE WITH 1.8m LINTEL OPENING	Pit 1/5	Pit 2/5	18.15	70.73	70.32	2.26	RCP (CLASS 3)	225	1
	Pit 2/5	71.15	0.86	900SQ PIT WITH 450 x 900 CLASS D DOUBLE GRATE WITH 1.8m LINTEL OPENING	Pit 2/5	Pit 3/5	34.85	70.29	69.80	1.41	RCP (CLASS 3)	225	1
	Pit 3/5	70.63	0.90	900SQ PIT WITH 450 x 900 CLASS D SINGLE GRATE WITH 1.8m LINTEL OPENING	Pit 3/5	Pit 6/1	32.43	69.73	69.23	1.54	RCP (CLASS 3)	300	1
	Pit 1/6	69.00	0.75	6m LONG 'ACO K200' TRENCH DRAIN WITH CLASS D GRATE. CHANNEL TO BE GRADED @0.5%	Pit 1/6	Pit 2/7	22.83	68.25	67.90	1.53	uPVC (SN8)	150	1
	Pit 1/7	68.74	0.83	900SQ PIT WITH 450 x 900 CLASS D SINGLE GRATE WITH 1.8m LINTEL OPENING	Pit 1/7	Pit 2/7	8.46	67.91	67.82	1.06	RCP (CLASS 3)	225	1
	Pit 2/7	68.76	0.97	900SQ PIT WITH 450 x 900 CLASS D SINGLE GRATE WITH 1.8m LINTEL OPENING	Pit 2/7	Pit 3/7	13.11	67.79	67.65	1.07	RCP (CLASS 3)	225	1
	Pit 3/7	68.63	1.09	900SQ PIT WITH 450 x 900 CLASS D SINGLE GRATE WITH 1.8m LINTEL OPENING	Pit 3/7	Pit 4/7	29.57	67.54	67.24	1.01	RCP (CLASS 3)	300	1
	Pit 4/7	68.50	1.41	900SQ PIT, CLASS B GRATE	Pit 4/7	Pit 5/7	49.57	67.09	66.84	0.50	RCP (CLASS 3)	450	1
	Pit 5/7	68.68	1.87	900SQ PIT, CLASS B COVER	Pit 5/7	OSD Tank 3	43.58	66.81	66.59	0.50	RCP (CLASS 3)	450	1
	Pit 1/8	70.75	0.69	6m LONG 'ACO K200' TRENCH DRAIN WITH CLASS D GRATE. CHANNEL TO BE GRADED @0.5%	Pit 1/8	Pit 7/10	20.16	70.06	69.85	1.04	RCP (CLASS 3)	225	1
	Pit 1/9	68.50	0.90	2 x 900SQ PIT, CLASS B GRATE	Pit 1/9	Pit 10/10	25.95	67.60	67.34	1.00	RCP (CLASS 3)	300	1
	Pit 1/10	73.10	0.83	600SQ PIT, CLASS B GRATE	Pit 1/10	Pit 2/10	41.43	72.27	71.52	1.81	RCP (CLASS 3)	225	1
	Pit 2/10	72.35	1.01	900SQ PIT WITH 450 x 900 CLASS D SINGLE GRATE WITH 1.8m LINTEL OPENING	Pit 2/10	Pit 3/10	31.12	71.34	71.02	1.03	RCP (CLASS 3)	375	1
	Pit 3/10	72.03	1.12	900SQ PIT WITH 450 x 900 CLASS D SINGLE GRATE WITH 1.8m LINTEL OPENING	Pit 3/10	Pit 4/10	32.98	70.91	70.67	0.73	RCP (CLASS 3)	450	1
	Pit 4/10	71.72	1.08	900SQ PIT WITH 450 x 900 CLASS D SINGLE GRATE WITH 1.8m LINTEL OPENING	Pit 4/10	Pit 5/10	32.12	70.64	70.27	1.15	RCP (CLASS 3)	450	1
	Pit 5/10	71.32	1.08	900SQ PIT WITH 450 x 900 CLASS D SINGLE GRATE WITH 1.8m LINTEL OPENING	Pit 5/10	Pit 6/10	29.57	70.24	70.01	0.78	RCP (CLASS 3)	450	1
	Pit 6/10	71.06	1.16	900SQ PIT WITH 450 x 900 CLASS D SINGLE GRATE WITH 1.8m LINTEL OPENING	Pit 6/10	Pit 7/10	26.40	69.90	69.52	1.44	RCP (CLASS 3)	525	1
	Pit 7/10	70.65	1.35	900SQ PIT, CLASS B GRATE	Pit 7/10	Pit 8/10	12.51	69.30	68.56	5.92	RCP (CLASS 3)	750	1
	Pit 8/10	69.91	1.38	900SQ PIT, CLASS B GRATE	Pit 8/10	Pit 9/10	16.45	68.53	67.82	4.32	RCP (CLASS 3)	750	1
	Pit 9/10	69.73	2.02	2 x 900SQ PIT, CLASS B GRATE	Pit 9/10	Pit 10/10	44.77	67.71	67.26	1.01	RCP (CLASS 3)	825	1
	Pit 10/10	68.40	1.17	2 x 900SQ PIT, CLASS B GRATE	Pit 10/10	OSD Tank 3	20.73	67.23	66.93	1.45	RCP (CLASS 3)	825	1
					OSD Tank 3	Pit 11/10	1.66	66.30	66.28	1.20	RCP (CLASS 3)	825	1
	Pit 11/10	68.30	2.05	2 x 900SQ PIT, CLASS B GRATE	Pit 11/10	Pit 12/10	21.57	66.25	66.03	1.02	RCP (CLASS 3)	825	1
	Pit 12/10	68.25	3.95	2 x 900SQ PIT, CLASS B GRATE	Pit 12/10	Pit 12/1	29.00	64.30	64.02	0.98	RCP (CLASS 3)	825	1
	Pit 1/11	69.73	1.16	6m LONG 'ACO K200' TRENCH DRAIN WITH CLASS D GRATE. CHANNEL TO BE GRADED @0.5%	Pit 1/11	Pit 9/10	0.66	68.57	68.50	10.61	uPVC (SN8)	150	1
	Pit 1/12	71.20	0.75	600SQ PIT, CLASS B GRATE	Pit 1/12	Pit 2/12	49.75	70.45	69.95	1.01	RCP (CLASS 3)	300	1
	Pit 2/12	71.21	1.37	900SQ PIT, CLASS B GRATE	Pit 2/12	Pit 3/12	21.91	69.84	69.62	1.00	RCP (CLASS 3)	375	1
	Pit 3/12	71.04	1.45	900SQ PIT, CLASS B GRATE	Pit 3/12	Pit 4/12	34.03	69.59	69.24	1.03	RCP (CLASS 3)	375	1
	Pit 4/12	70.70	1.64	900SQ PIT, CLASS B GRATE	Pit 4/12	Pit 9/10	31.38	69.06	68.60	1.47	RCP (CLASS 3)	525	1
	Pit 1/13	70.87	0.83	600SQ PIT, CLASS B GRATE	Pit 1/13	Pit 4/12	21.82	70.04	69.83	0.96	RCP (CLASS 3)	225	1
	Pit 1/14	72.24	0.90	900SQ PIT, CLASS B GRATE	Pit 1/14	Pit 3/10	6.20	71.34					

Y:\06_X\6914000_TB_A\H1_Cad File: T:\6914000\Drawings\AutoCAD\Civil\Design\Civil_Produces\06_Summary PI Schedule Sheet 1.dwg
Plot Date: 21/02/2020@10:58:47
User: X\6914000_TB_A\H1
Login Name: jsk

Y:\01_X\5914000_TB_A\H1_Cad File: T:\5914000\Drawings\AutoCAD\Civil\Design\Civil_Produces\Schedule PI Schedule Sheet 2.dwg
Plot Date: 21/12/2020@10:55:55
User: X\5914000_TB_A\H1
Logon Name: jsk

Name	Surface Elev. (m)	Pit Depth (m)	Pit Size and Type	From	To	Length (m)	U/S IL (m)	D/S IL (m)	Slope (%)	Pipe Type	Dia (mm)	No. Pipes
Pit 1/19	75.02	0.83	900SQ PIT WITH 450 x 900 CLASS D SINGLE GRATE WITH 1.8m LINTEL OPENING	Pit 1/19	Pit 2/19	11.79	74.19	73.93	2.21	RCP (CLASS 3)	225	1
Pit 2/19	74.90	1.08	900SQ PIT WITH 450 x 900 CLASS D SINGLE GRATE WITH 1.8m LINTEL OPENING	Pit 2/19	Pit 3/19	32.12	73.82	73.49	1.03	RCP (CLASS 3)	300	1
Pit 3/19	74.66	1.20	900SQ PIT WITH 450 x 900 CLASS D SINGLE GRATE WITH 1.8m LINTEL OPENING	Pit 3/19	Pit 4/19	34.53	73.46	72.93	1.53	RCP (CLASS 3)	300	1
Pit 4/19	73.98	1.16	900SQ PIT WITH 450 x 900 CLASS D SINGLE GRATE WITH 1.8m LINTEL OPENING	Pit 4/19	Pit 5/19	27.61	72.82	71.26	5.65	RCP (CLASS 3)	450	1
Pit 5/19	72.31	1.16	900SQ PIT, CLASS B GRATE	Pit 5/19	Pit 6/19	5.74	71.15	70.63	9.06	RCP (CLASS 3)	525	1
Pit 6/19	72.15	1.55	900SQ PIT WITH 450 x 900 CLASS D SINGLE GRATE WITH 1.8m LINTEL OPENING	Pit 6/19	Pit 7/15	24.70	70.60	69.87	2.96	RCP (CLASS 3)	525	1
Pit 1/20	74.78	0.83	900SQ PIT, CLASS B GRATE	Pit 1/20	Pit 3/19	11.74	73.95	73.83	1.02	RCP (CLASS 3)	225	1
Pit 1/21	74.42	0.83	900SQ PIT, CLASS B GRATE	Pit 1/21	Pit 4/19	14.16	73.59	73.15	3.11	RCP (CLASS 3)	225	1
Pit 1/22	72.64	0.83	900SQ PIT WITH 450 x 900 CLASS D SINGLE GRATE WITH 1.8m LINTEL OPENING	Pit 1/22	Pit 2/22	29.10	71.81	71.52	1.00	RCP (CLASS 3)	225	1
Pit 2/22	72.43	1.09	900SQ PIT WITH 450 x 900 CLASS D SINGLE GRATE WITH 1.8m LINTEL OPENING	Pit 2/22	Pit 6/19	39.51	71.34	70.95	0.99	RCP (CLASS 3)	375	1
Pit 1/23	72.50	0.60	3.6m LONG 'ACO K200' TRENCH DRAIN WITH CLASS D GRATE. CHANNEL TO BE GRADED @0.5%	Pit 1/23	Pit 2/23	1.23	71.90	71.88	1.63	uPVC (SN8)	150	1
Pit 2/23	72.50	0.75	600SQ PIT, CLASS B GRATE	Pit 2/23	Pit 5/19	7.77	71.75	71.57	2.32	RCP (CLASS 3)	300	1
Pit 1/24	72.63	0.92	900SQ PIT, CLASS B GRATE	Pit 1/24	Pit 2/22	3.90	71.71	71.53	4.62	RCP (CLASS 3)	300	1
Pit 1/25	74.33	0.83	900SQ PIT WITH 450 x 900 CLASS D SINGLE GRATE WITH 1.8m LINTEL OPENING	Pit 1/25	Pit 2/25	11.95	73.50	73.38	1.00	RCP (CLASS 3)	225	1
Pit 2/25	74.33	0.98	900SQ PIT WITH 450 x 900 CLASS D SINGLE GRATE WITH 1.8m LINTEL OPENING	Pit 2/25	Pit 3/25	33.53	73.35	72.90	1.34	RCP (CLASS 3)	225	1
Pit 3/25	73.73	0.94	900SQ PIT WITH 450 x 900 CLASS D SINGLE GRATE WITH 1.8m LINTEL OPENING	Pit 3/25	Pit 4/25	44.62	72.79	72.27	1.17	RCP (CLASS 3)	300	1
Pit 4/25	73.02	0.78	600SQ PIT, CLASS B COVER	Pit 4/25	Pit 5/25	21.12	72.24	72.14	0.47	RCP (CLASS 3)	300	1
Pit 5/25	73.00	0.89	600SQ PIT, CLASS B COVER	Pit 5/25	Pit 6/25	22.90	72.11	72.00	0.48	RCP (CLASS 3)	300	1
Pit 6/25	73.00	1.03	900SQ PIT, CLASS B COVER	Pit 6/25	Stage 3B OSD Tank	20.69	71.97	71.87	0.48	RCP (CLASS 3)	300	1
				Stage 3B OSD Tank	Pit 7/25	8.89	71.60	71.41	2.14	RCP (CLASS 3)	525	1
Pit 7/25	73.02	1.64	900SQ PIT, CLASS B COVER	Pit 7/25	Pit 8/25	31.97	71.38	71.06	1.00	RCP (CLASS 3)	525	1
Pit 8/25	73.14	2.53	900SQ PIT, CLASS B COVER	Pit 8/25	Pit 9/25	23.62	70.61	70.53	0.34	RCP (CLASS 3)	525	1
Pit 9/25	73.20	2.70	900SQ PIT, CLASS B COVER	Pit 9/25	Pit 10/25	34.27	70.50	70.38	0.35	RCP (CLASS 3)	525	1
Pit 10/25	73.05	2.70	900SQ PIT, CLASS B COVER	Pit 10/25	Pit 11/25	21.69	70.35	70.27	0.37	RCP (CLASS 3)	525	1
Pit 11/25	72.71	2.47	900SQ PIT, CLASS B COVER	Pit 11/25	Pit 12/25	8.28	70.24	70.21	0.36	RCP (CLASS 3)	525	1
Pit 12/25	72.58	2.40	900SQ PIT, CLASS B COVER	Pit 12/25	Pit 13/25	33.75	70.18	70.06	0.36	RCP (CLASS 3)	525	1
				OSD Tank 3A	Pit 13/25	14.19	71.30	71.16	0.99	RCP (CLASS 3)	375	
Pit 13/25	72.24	2.20	900SQ PIT, CLASS B COVER	Pit 13/25	Pit 14/25	2.65	70.04	70.03	0.38	RCP (CLASS 3)	675	1
Pit 14/25	72.16	2.16	900SQ PIT WITH 450 x 900 CLASS D SINGLE GRATE WITH 1.8m LINTEL OPENING	Pit 14/25	Existing Pit (Eleventh Avenue)	51.89	70.00	69.82	0.35	RCP (CLASS 3)	675	1
Pit 1/26	73.73	0.83	900SQ PIT WITH 450 x 900 CLASS D SINGLE GRATE WITH 1.8m LINTEL OPENING	Pit 1/26	Pit 3/25	11.97	72.90	72.84	0.50	RCP (CLASS 3)	225	1
Pit 1/27	72.42	0.68	900SQ PIT, CLASS B GRATE	Pit 1/27	Pit 2/27	17.99	71.74	71.56	1.00	RCP (CLASS 3)	225	1
Pit 2/27	72.76	1.23	900SQ PIT, CLASS B COVER	Pit 2/27	Pit 3/27	13.33	71.53	71.40	0.98	RCP (CLASS 3)	225	1
Pit 3/27	72.97	1.60	900SQ PIT, CLASS B COVER	Pit 3/27	Pit 4/27	34.01	71.37	71.03	1.00	RCP (CLASS 3)	225	1
Pit 4/27	73.01	2.09	900SQ PIT, CLASS B COVER	Pit 4/27	Pit 5/27	25.07	70.92	70.77	0.60	RCP (CLASS 3)	300	1
Pit 5/27	73.08	2.34	900SQ PIT, CLASS B COVER	Pit 5/27	Pit 8/25	18.23	70.74	70.64	0.55	RCP (CLASS 3)	300	1
Pit 1/28	72.80	0.68	600SQ PIT, CLASS B GRATE	Pit 1/28	Pit 2/28	35.41	72.12	71.76	1.02	RCP (CLASS 3)	225	1
Pit 2/28	73.14	1.41	900SQ PIT, CLASS B COVER	Pit 2/28	Pit 9/25	19.20	71.73	71.53	1.04	RCP (CLASS 3)	225	1
Pit 1/29	72.25	1.13	900SQ PIT, CLASS B GRATE	Pit 1/29	Pit 2/29	26.59	71.12	70.85	1.02	RCP (CLASS 3)	675	1
Pit 2/29	72.20	1.38	900SQ PIT, CLASS B GRATE	Pit 2/29	Pit 3/29	41.90	70.82	70.40	1.00	RCP (CLASS 3)	675	1
Pit 3/29	72.40	2.03	900SQ PIT, CLASS B COVER	Pit 3/29	Pit 13/25	16.76	70.37	70.20	1.01	RCP (CLASS 3)	675	1
Pit 1/30	72.91	0.83	900SQ PIT WITH 450 x 900 CLASS D SINGLE GRATE WITH 1.8m LINTEL OPENING	Pit 1/30	Pit 2/30	11.96	72.08	71.96	1.00	RCP (CLASS 3)	225	1
Pit 2/30	72.91	1.25	900SQ PIT WITH 450 x 900 CLASS D SINGLE GRATE WITH 1.8m LINTEL OPENING	Pit 2/30	Pit 3/30	42.75	71.66	71.23	1.01	RCP (CLASS 3)	525	1
Pit 3/30	72.12	1.32	900SQ PIT WITH 450 x 900 CLASS D SINGLE GRATE WITH 1.8m LINTEL OPENING	Pit 3/30	Pit 4/30	14.19	70.80	70.66	0.99	RCP (CLASS 3)	600	1
Pit 4/30	71.85	1.30	900SQ PIT WITH 450 x 900 CLASS D SINGLE GRATE WITH 1.8m LINTEL OPENING	Pit 4/30	Pit 5/30	19.15	70.55	70.36	0.99	RCP (CLASS 3)	600	1
Pit 5/30	71.78	1.45	900SQ PIT WITH 450 x 900 CLASS D SINGLE GRATE WITH 1.8m LINTEL OPENING	Pit 5/30	Existing Pit (Eleventh Avenue)	7.28	70.33	70.27	0.82	RCP (CLASS 3)	375	1
Pit 1/31	72.12	0.83	900SQ PIT WITH 450 x 900 CLASS D SINGLE GRATE WITH 1.8m LINTEL OPENING	Pit 1/31	Pit 3/30	11.95	71.29	71.17	1.00	RCP (CLASS 3)	225	1
Pit 1/32	71.85	1.13	900SQ PIT WITH 450 x 900 CLASS D SINGLE GRATE WITH 1.8m LINTEL OPENING	Pit 1/32	Pit 4/30	5.85	70.72	70.66	1.03	RCP (CLASS 3)	525	1
Pit 1/33	70.61	0.83	600SQ PIT, CLASS C GRATE	Pit 1/33	Pit 4/2	18.99	69.78	69.22	2.95	RCP (CLASS 3)	225	1

DO NOT SCALE FROM DRAWINGS. CHECK & VERIFY ALL DIMENSIONS & LEVELS BEFORE COMMENCEMENT OF ANY WORK.

THIS DRAWING IS NOT TO BE COPIED IN PART OR WHOLE WITHOUT WRITTEN PERMISSION FROM WARREN SMITH AND PARTNERS.

REVISION	AMENDMENT	DATE	REVISION	AMENDMENT	DATE
1	DEVELOPMENT APPLICATION	25/05/18			
2	DEVELOPMENT APPLICATION	19/07/18			
3	DEVELOPMENT APPLICATION	01/07/19			

CLIENT

Sydney Catholic Schools

PROJECT

ST ANTHONY OF PAUDA CATHOLIC SCHOOL

PREPARED BY

Warren Smith & Partners
Level 9, 233 Castlereagh St, Sydney 2000 NSW Australia
02 9299 1312 vsp@warrensmith.com.au
www.warrensmith.com.au ABN 36 300 430 126

CONSULTING ENGINEERS

■ Hydraulic Services ■ Fire Services
■ Civil Services ■ Sydney Water Accredited Water Servicing Co-ordinator and Designer

SERVING THE CONSTRUCTION INDUSTRY SINCE 1981.



TITLE

STORMWATER PIT SCHEDULE SHEET 2

SCALE

AS SHOWN

DRAWN

A.D.

DESIGNED

M.D.

CHECKED

L.Sh.

APPROVED

L.Sh.

JOB No.

5914000

DRAWING No.

C6.05

ISSUE

3

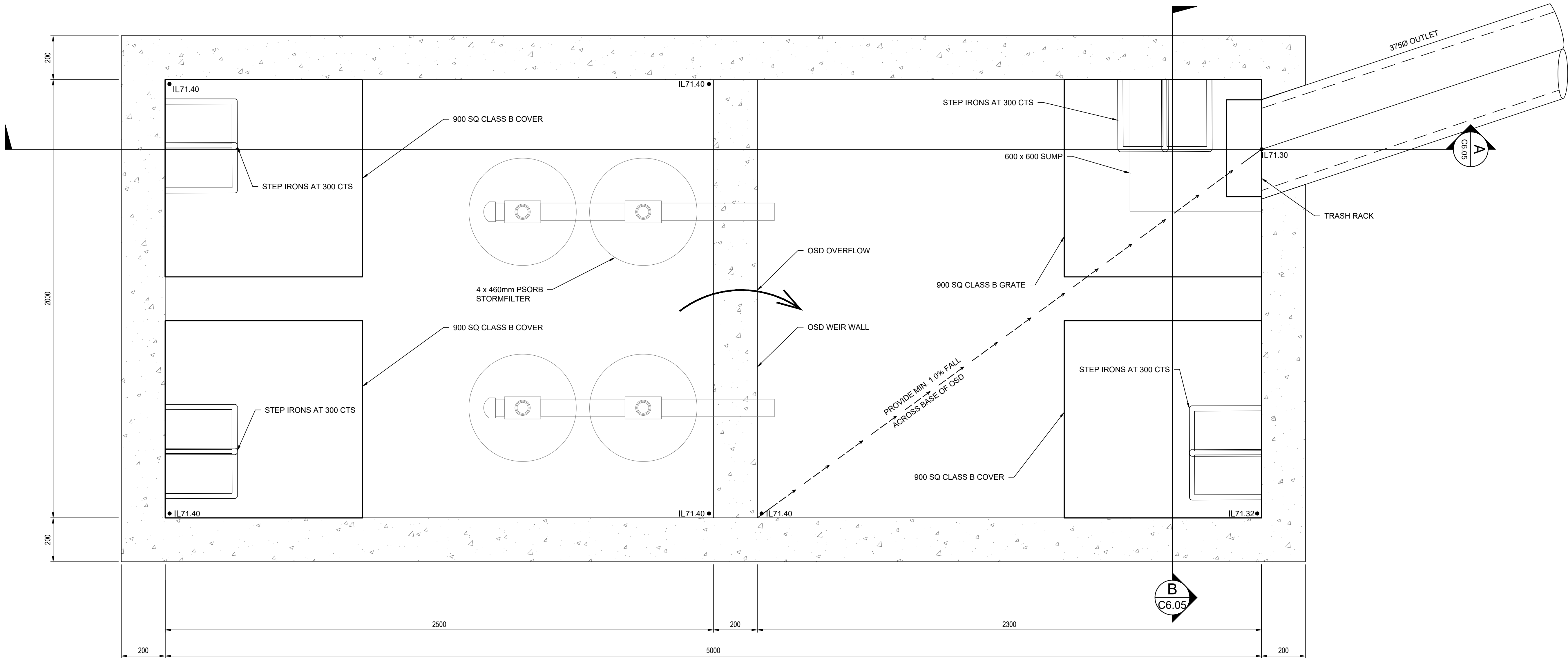
DATE

MARCH 2018

STATUS

DEVELOPMENT APPLICATION

PRELIMINARY - NOT FOR CONSTRUCTION

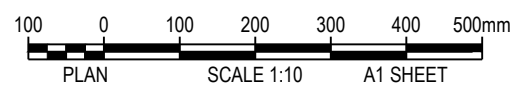


OSD TANK 1 PLAN
EFFECTIVE VOLUME 8 m³
SCALE: 1:10

Y:\01_1814000_TB_A1H1_Cad File: 175914000Drawings\AutoCAD\Drawings\Civil\BDDA\OSD_01 OSD Tank 1 Stage 3A Sections.dwg
Plot Date: 21/02/2020@10:55:07
User: Y:\01_1814000_TB_A1H1
Login Name: jsk

DO NOT SCALE FROM DRAWINGS, CHECK & VERIFY ALL DIMENSIONS & LEVELS BEFORE COMMENCEMENT OF ANY WORK.

THIS DRAWING IS NOT TO BE COPIED IN PART OR WHOLE WITHOUT WRITTEN PERMISSION FROM WARREN SMITH AND PARTNERS.



REVISION	AMENDMENT	DATE	REVISION	AMENDMENT	DATE
1	DEVELOPMENT APPLICATION	25/05/18			
2	DEVELOPMENT APPLICATION	19/07/18			
3	DEVELOPMENT APPLICATION	01/07/19			



Sydney Catholic Schools

PROJECT

ST ANTHONY OF PAUDA CATHOLIC SCHOOL

PREPARED BY



Warren Smith & Partners
Level 9, 233 Castlereagh St, Sydney 2000 NSW Australia
02 9299 1312 wsp@warrensmith.com.au
www.warrensmith.com.au ABN 36 300 430 126

CONSULTING ENGINEERS

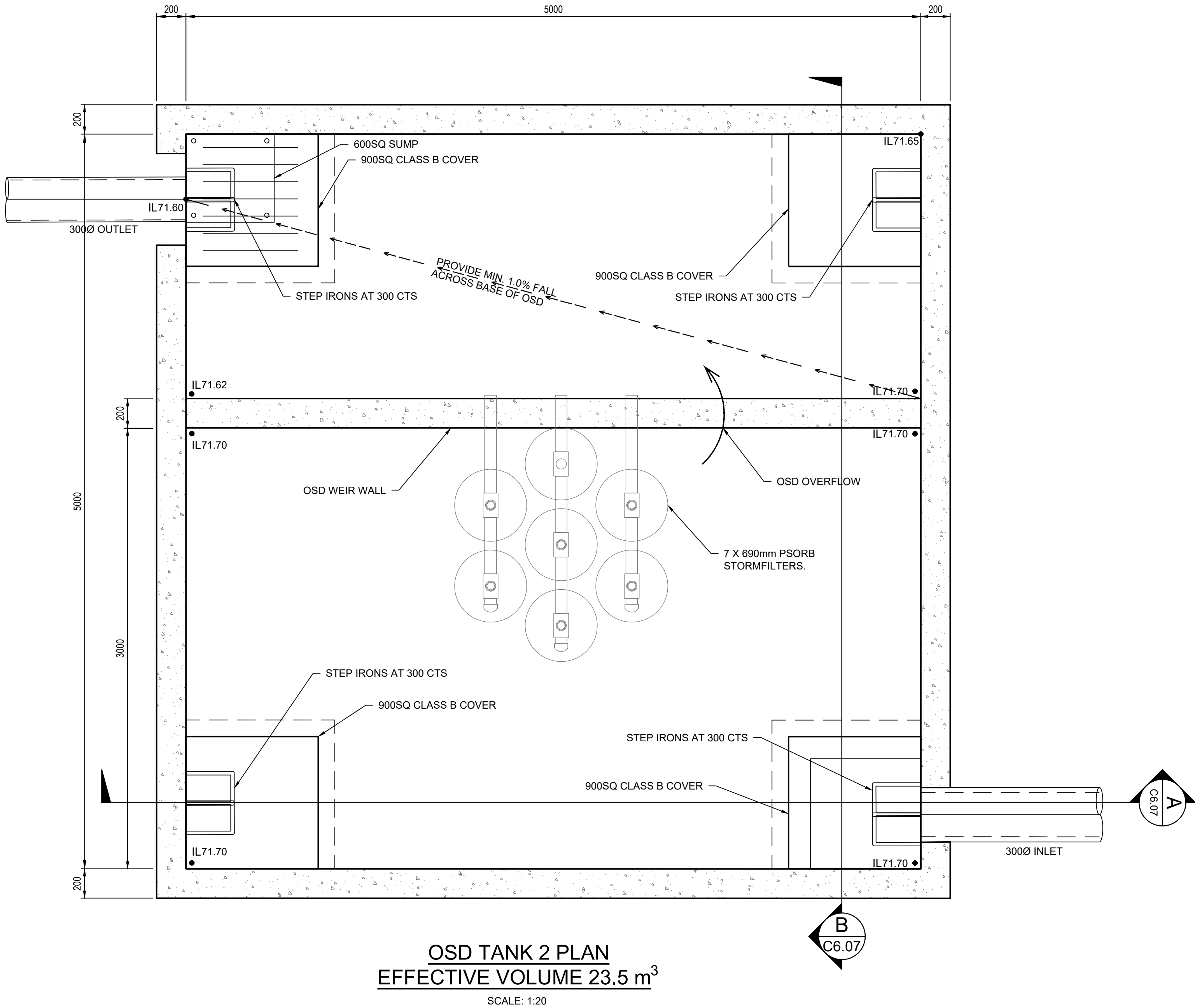
■ Hydraulic Services ■ Fire Services
■ Civil Services ■ Sydney Water Accredited Water
Serving Co-ordinator and Designer

SERVING THE CONSTRUCTION INDUSTRY SINCE 1981.



GCC
GCC 9001 Certified

TITLE				
OSD TANK 1 - STAGE 3A PLAN				
SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
AS SHOWN	A.D.	M.D.	L.Sh.	L.Sh.
JOB No.		DRAWING No.	ISSUE	
5914000		C6.06	3	
DATE	STATUS			
MARCH 2018	DEVELOPMENT APPLICATION			

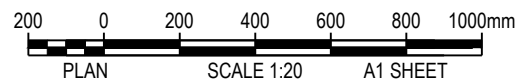


PRELIMINARY - NOT FOR CONSTRUCTION

Y:\01_19\19000_TB_A\H Login Name: mcamrinda C:\p1\15914000\Drawings\AutoCAD\mDesign\Civil\2D\DWG\08.09 OSD Tank 2 - Stage 3B Solutions.dwg
Plot Date: 28/02/2020@12:58:59

DO NOT SCALE FROM DRAWINGS, CHECK & VERIFY ALL DIMENSIONS & LEVELS BEFORE COMMENCEMENT OF ANY WORK.

THIS DRAWING IS NOT TO BE COPIED IN PART OR WHOLE WITHOUT WRITTEN PERMISSION FROM WARREN SMITH AND PARTNERS.



REVISION	AMENDMENT	DATE	REVISION	AMENDMENT	DATE
1	DEVELOPMENT APPLICATION	01/07/19			
2	DEVELOPMENT APPLICATION	28/02/20			



Sydney Catholic Schools

PROJECT

ST ANTHONY OF PADUA CATHOLIC SCHOOL

PREPARED BY



Warren Smith & Partners Pty Ltd
Level 9, 233 Castlereagh St, Sydney 2000 NSW Australia
02 9299 1312 wsp@warrensmith.com.au
www.warrensmith.com.au ABN 36 300 430 126

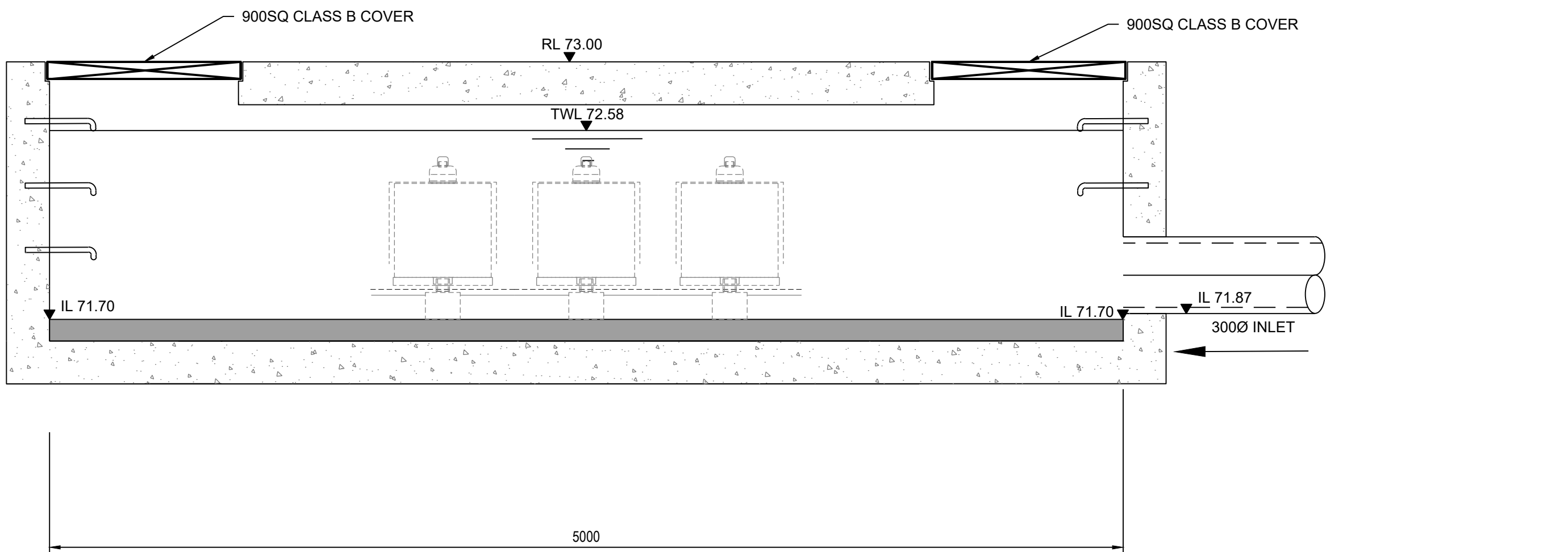
CONSULTING ENGINEERS

■ Hydraulic Services ■ Fire Services
■ Civil Services ■ Sydney Water Accredited Water
Serving Co-ordinator and Designer

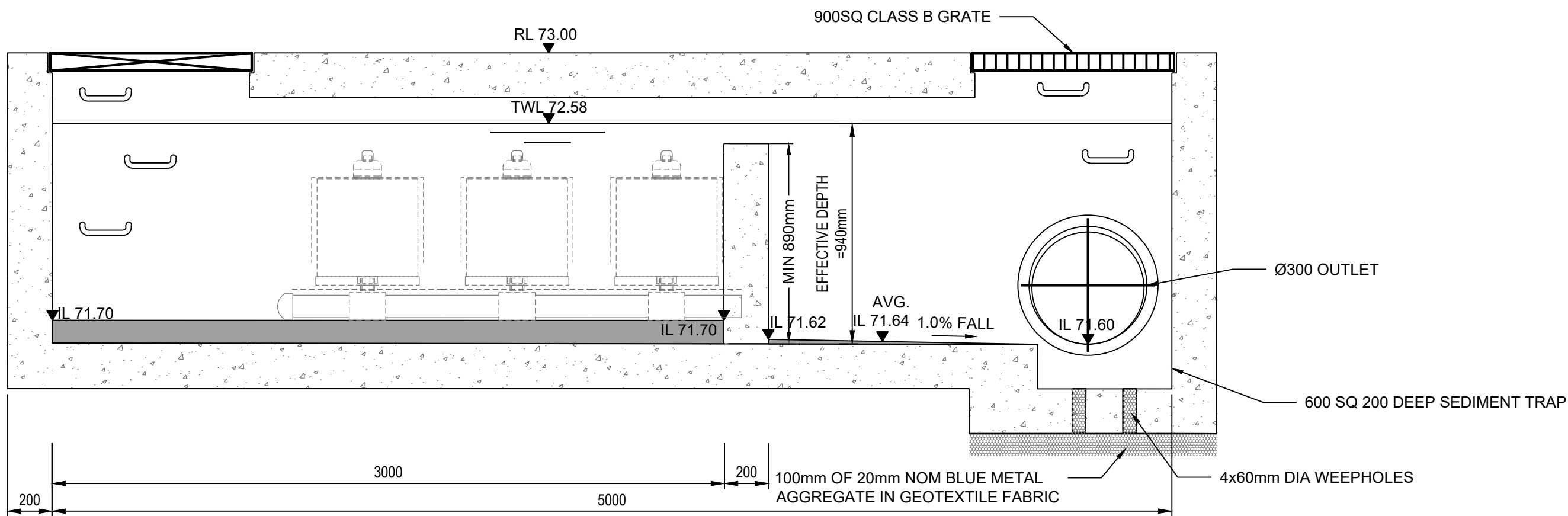
SERVING THE CONSTRUCTION INDUSTRY SINCE 1981.



TITLE				
ODS TANK 2 - STAGE 3B PLAN				
SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
AS SHOWN	A.D.	M.D.	L.S.	L.S.
JOB No.	DRAWING No.		ISSUE	
5914000	C6.08		2	
DATE	STATUS			
MARCH 2018	DEVELOPMENT APPLICATION			



SECTION A
SCALE: 1:20
C6.06



SECTION B
SCALE: 1:20
C6.06

Y:\1914000_TB_A\H Login Name: mcamarola C:\p1\1914000\Drawings\AutoCAD\mDesign\Civil\2D\A\OSD Tank 2 - Stage 3B Sections.dwg
Plot Date: 28/02/2020@13:12:24

DO NOT SCALE FROM DRAWINGS, CHECK & VERIFY ALL DIMENSIONS & LEVELS BEFORE COMMENCEMENT OF ANY WORK.

THIS DRAWING IS NOT TO BE COPIED IN PART OR WHOLE WITHOUT WRITTEN PERMISSION FROM WARREN SMITH AND PARTNERS.



REVISION	AMENDMENT	DATE	REVISION	AMENDMENT	DATE
1	DEVELOPMENT APPLICATION	01/07/19			
2	DEVELOPMENT APPLICATION	28/02/20			



Sydney Catholic Schools

PROJECT

ST ANTHONY OF PADUA CATHOLIC SCHOOL

PREPARED BY



Warren Smith & Partners Pty Ltd
Level 9, 233 Castlereagh St, Sydney 2000 NSW Australia
02 9299 1312 wsp@warrensmith.com.au
www.warrensmith.com.au ABN 36 300 430 126



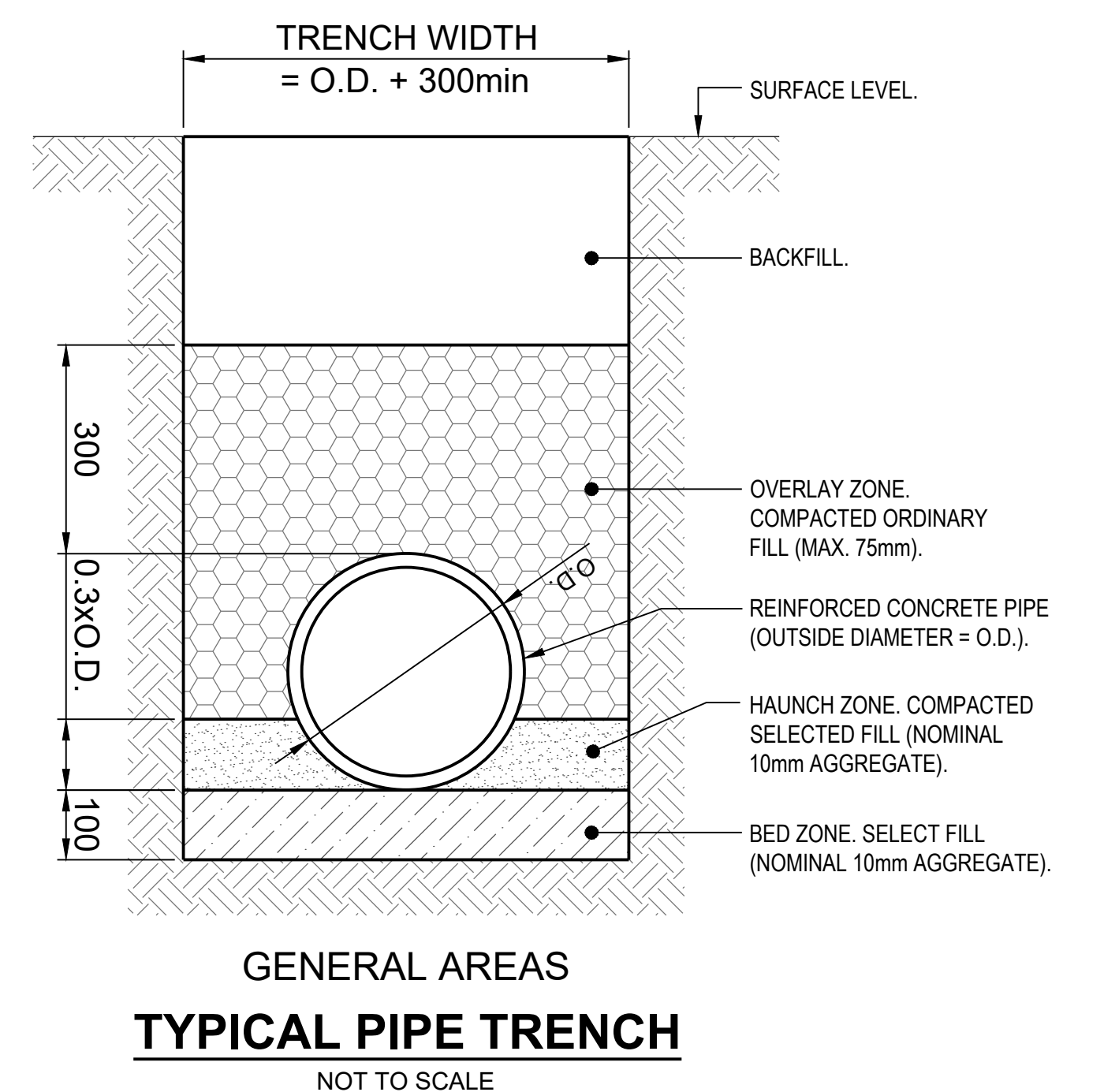
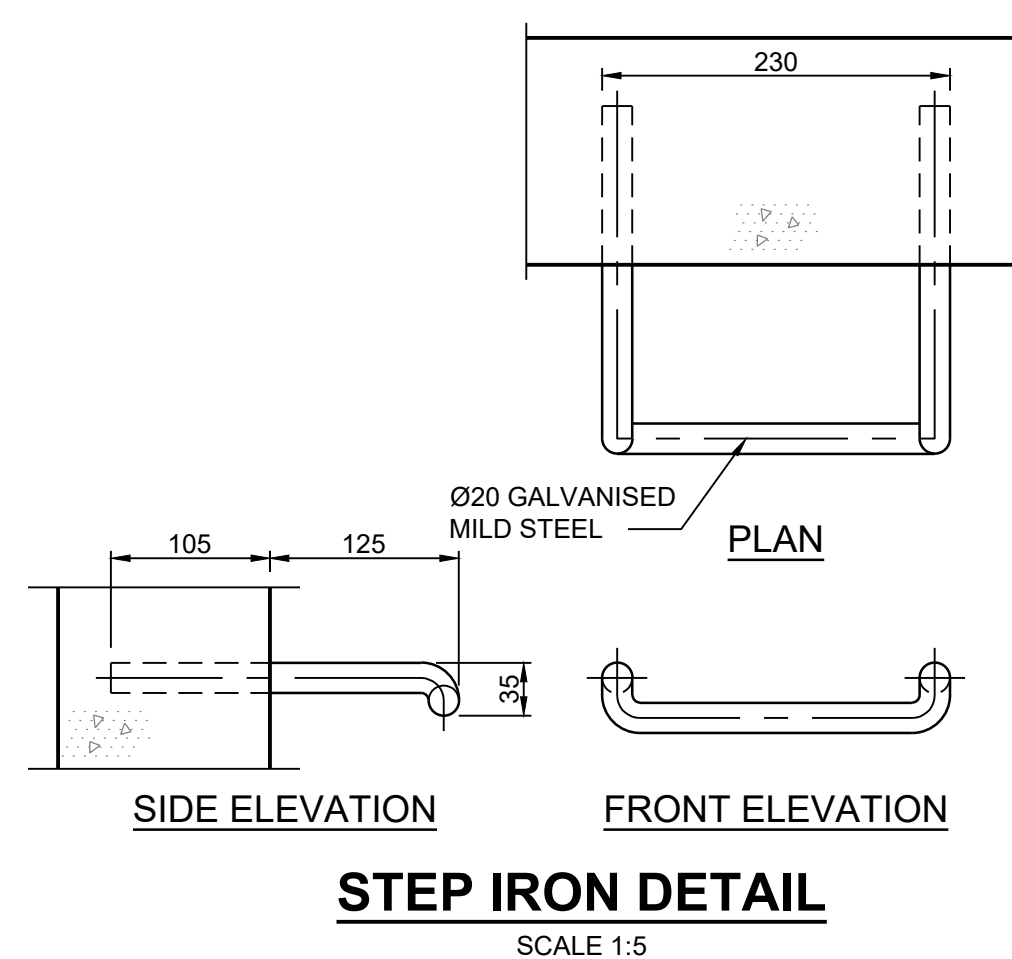
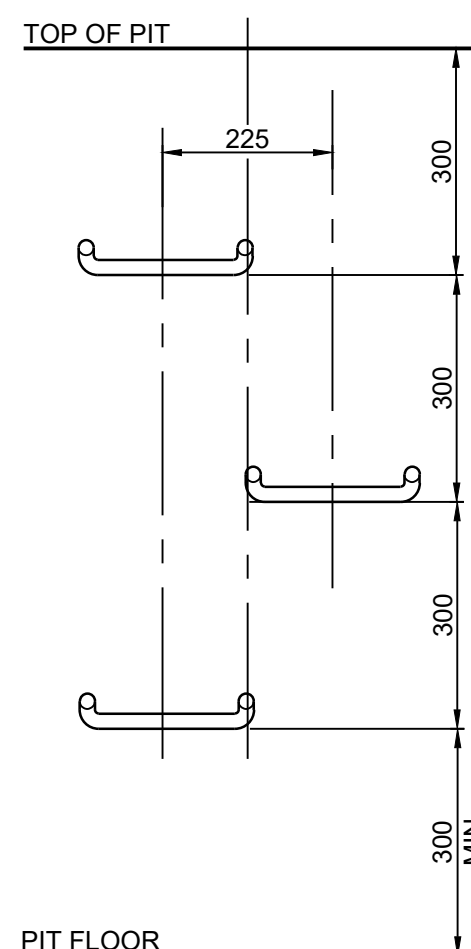
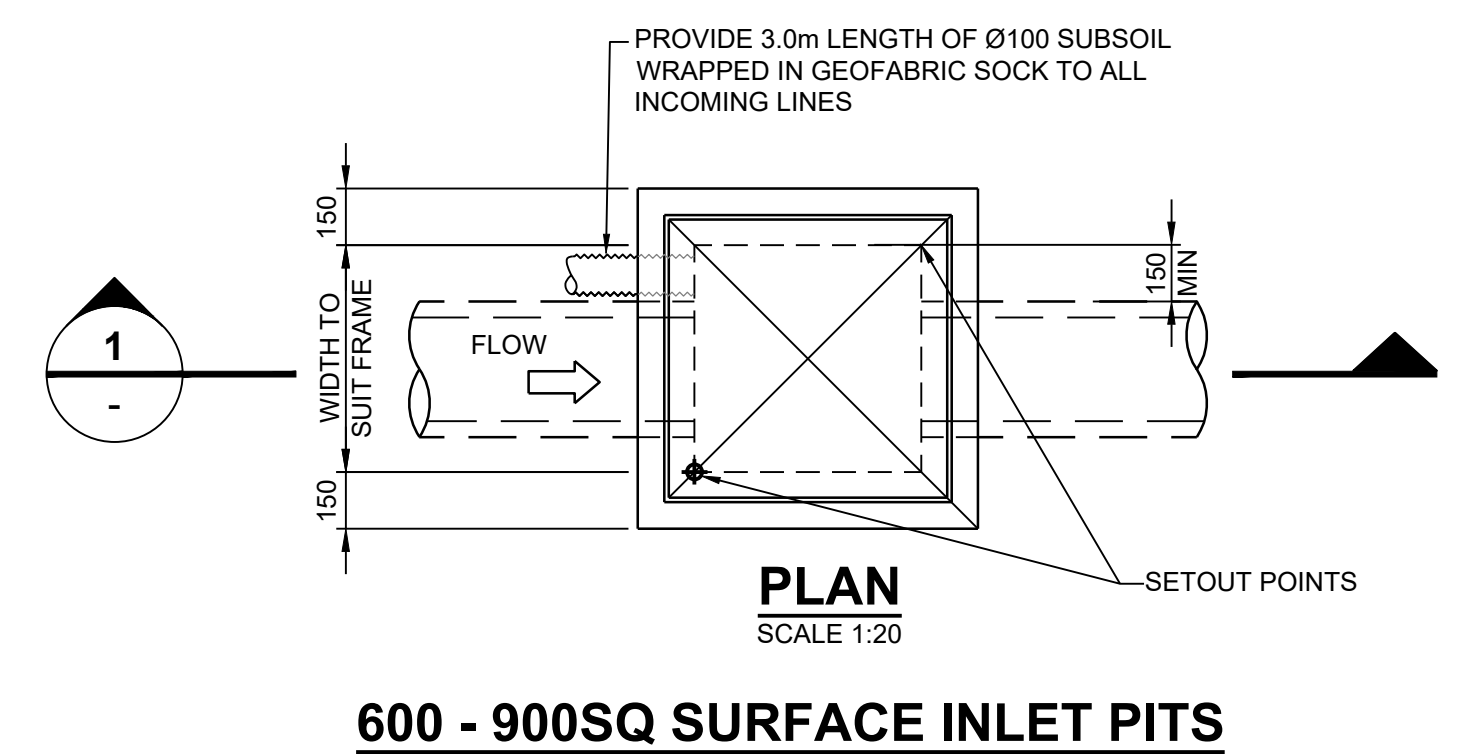
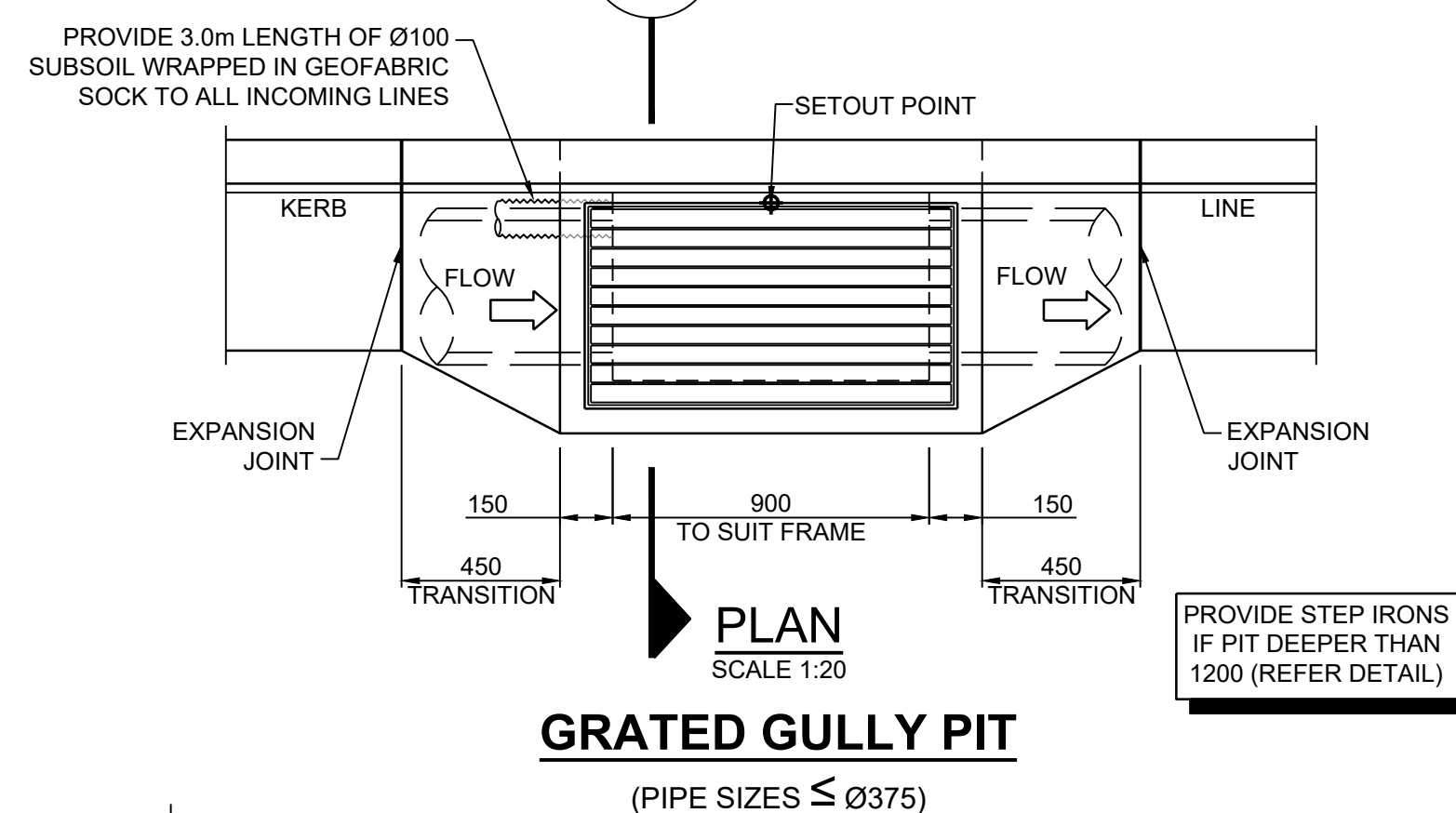
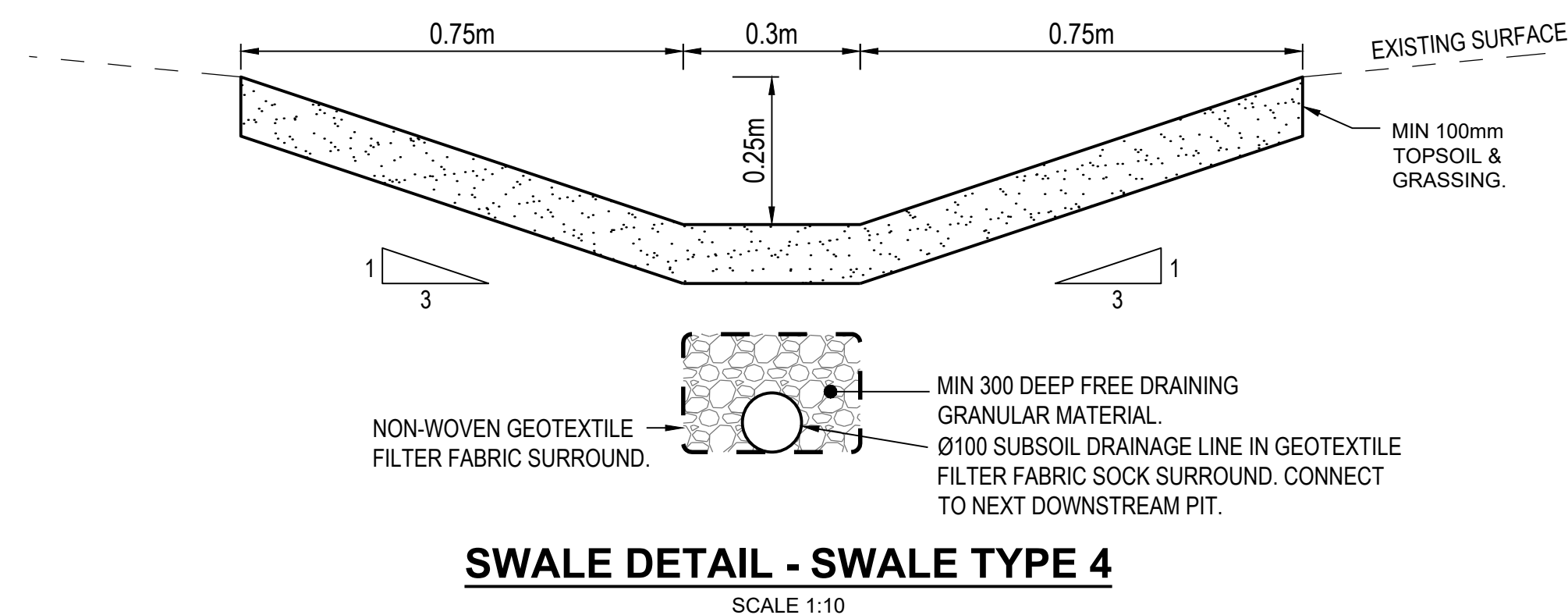
SERVING THE CONSTRUCTION INDUSTRY SINCE 1981.

CONSULTING ENGINEERS

Hydraulic Services Fire Services
Civil Services Sydney Water Accredited Water
Servicing Co-ordinator and Designer

TITLE					
OSD TANK 2 - STAGE 3B SECTIONS					
SCALE	DRAWN	DESIGNED	CHECKED	APPROVED	
AS SHOWN	A.D.	M.D.	L.S.	L.S.	
JOB No.		DRAWING No.		ISSUE	
5914000		C6.09		2	
DATE	STATUS				
MARCH 2018	DEVELOPMENT APPLICATION				

PRELIMINARY - NOT FOR CONSTRUCTION

[illegible]

CLIENT	 Sydney Catholic Schools
PROJECT	ST ANTHONY OF PAUDA CATHOLIC SCHOOL



PREPARED BY



Warren Smith & Partners Pty Ltd
 Level 9, 233 Castlereagh St, Sydney 2000 NSW Australia
 02 9299 1312 wsp@warrensmith.com.au
www.warrensmith.com.au ABN 36 300 430 126

CONSULTING ENGINEERS

- Hydraulic Services ■ Fire Services
- Civil Services ■ Sydney Water Accredited Water Service Co-ordinator and Designer

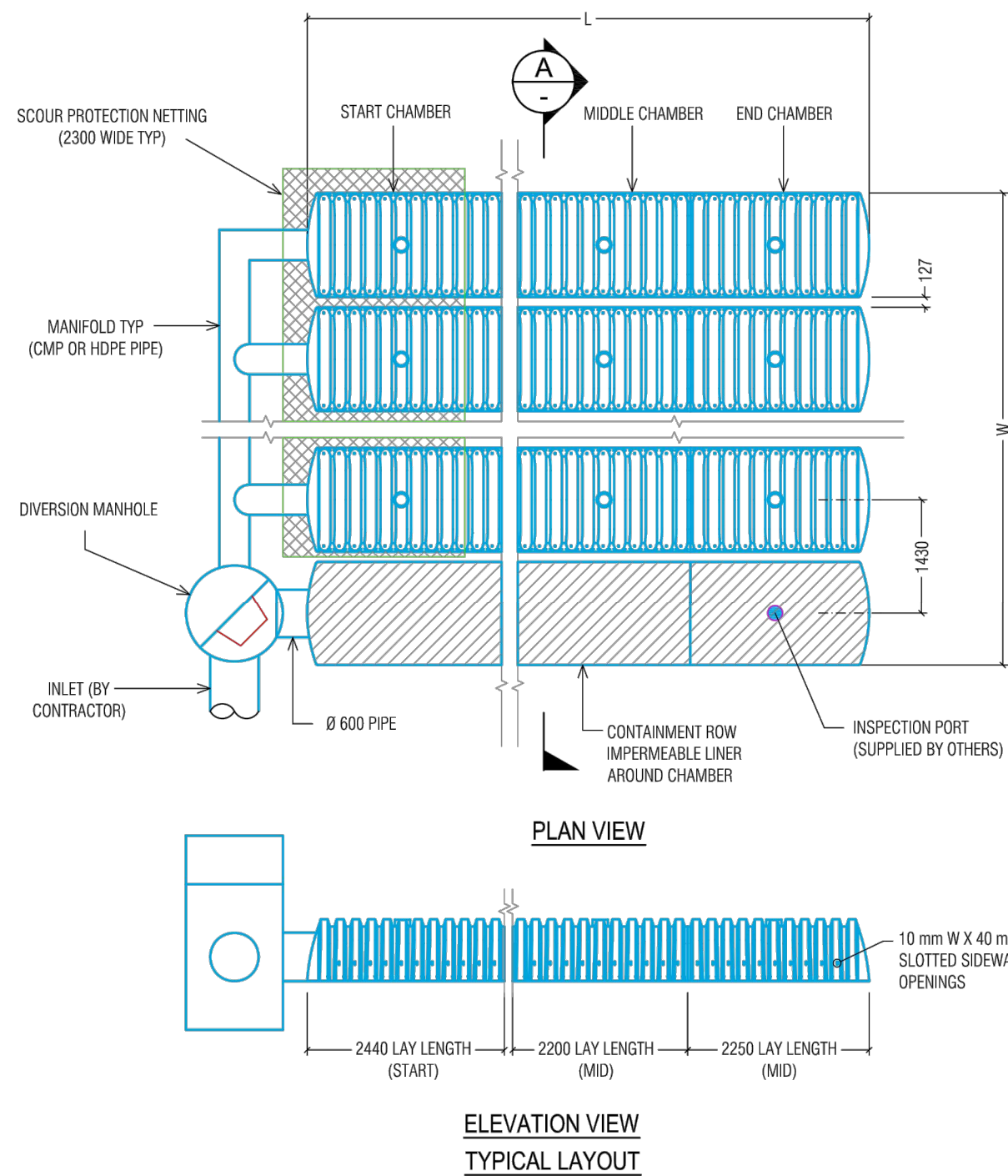
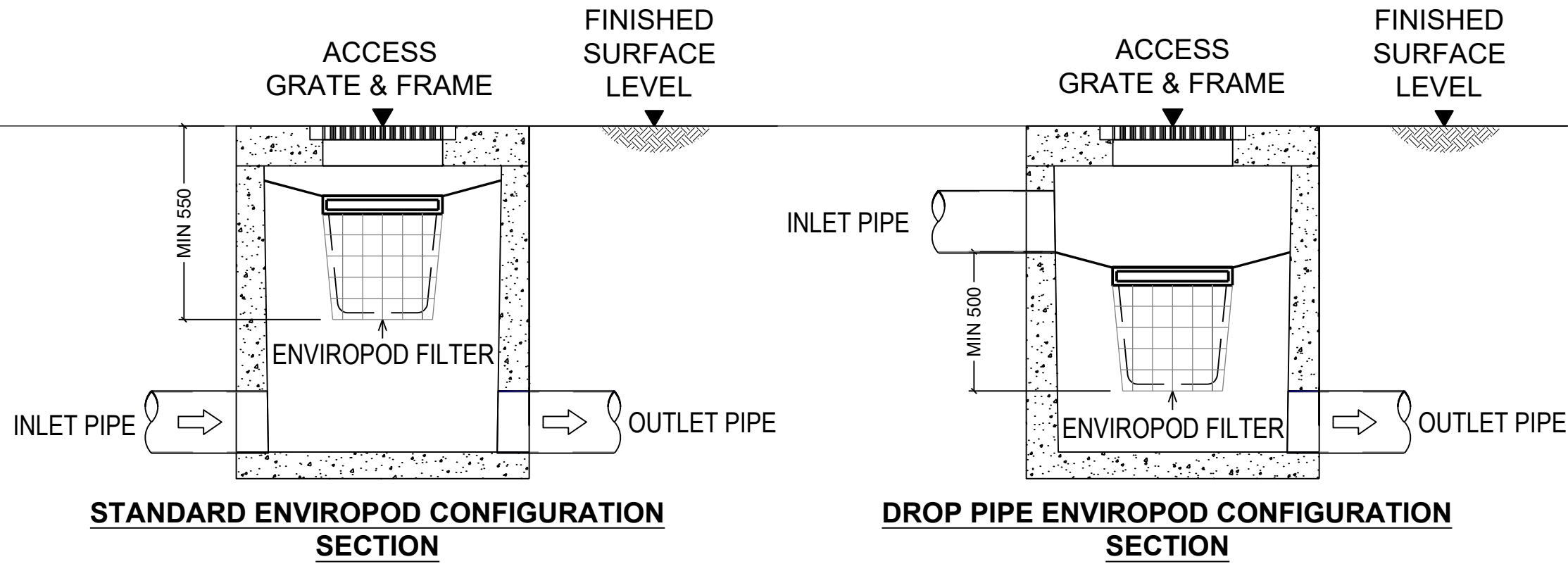
SERVING THE CONSTRUCTION INDUSTRY SINCE 1981.

TITLE				
STORMWATER DRAINAGE DETAILS				
SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
AS SHOWN	M.C.Z.	N.M.	L.Sh.	L.Sh.
JOB No.		DRAWING No.		ISSUE
5914000		C6.10		3
DATE		STATUS		
MARCH 2018		DEVELOPMENT APPLICATION		

Y:\01_18\1000_TB_A\H...
C:\Program Files\Autodesk\AutoCAD 2014\Help\Content\11 Stormwater 360 Treatment Device Typical Details.dwg
Log Name: jsk
Plot Date: 21/02/2020 10:58:48

DO NOT SCALE FROM DRAWINGS. CHECK & VERIFY ALL DIMENSIONS & LEVELS BEFORE COMMENCEMENT OF ANY WORK.

THIS DRAWING IS NOT TO BE COPIED IN PART OR WHOLE WITHOUT WRITTEN PERMISSION FROM WARREN SMITH AND PARTNERS.



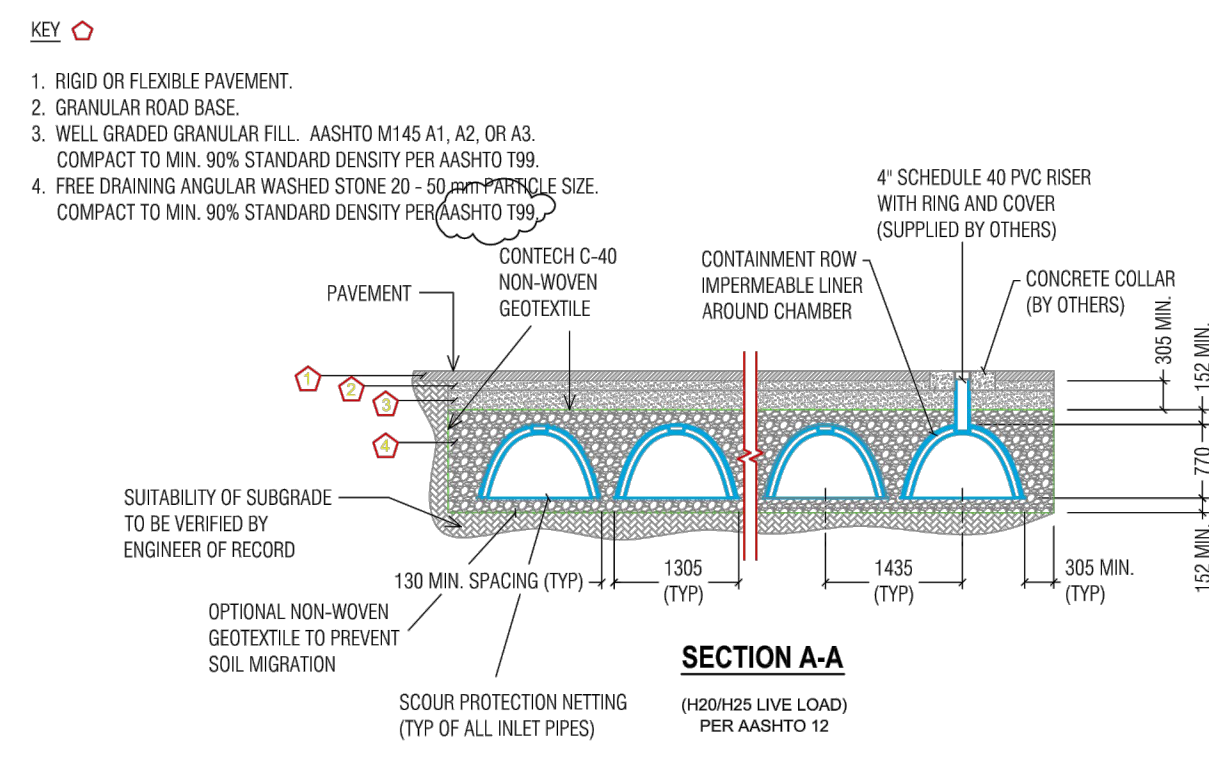
CHAMBERMAXX DESIGN DETAILS			
FEATURE	START CHAMBER	MIDDLE CHAMBER	END CHAMBER
OVERALL CHAMBER HEIGHT (mm)	770	770	770
OVERALL CHAMBER WIDTH (mm)	1305	1305	1305
ACTUAL LENGTH (mm)	2500	2300	2335
INSTALLED LAY LENGTHS (mm)	2440	2170	2250
CHAMBER STORAGE VOLUME (CM)	1.5	1.4	1.35
CHAMBER STORAGE PER LINEAR FOOT (CM/LM)	0.2	0.2	0.18
*MIN. INSTALLED CHAMBER VOLUME (CM)	2.2	2.1	2.1
*MIN. INSTALLED CHAMBER VOLUME PER LINEAR FOOT (CM/LM)	0.27	0.3	0.3
CHAMBER WEIGHT (Kn)	38	34.5	34.2
*150mm OF STONE ABOVE AND BELOW CHAMBER, 125mm CHAMBER SPACING AND 40% POROSITY			

GENERAL NOTES

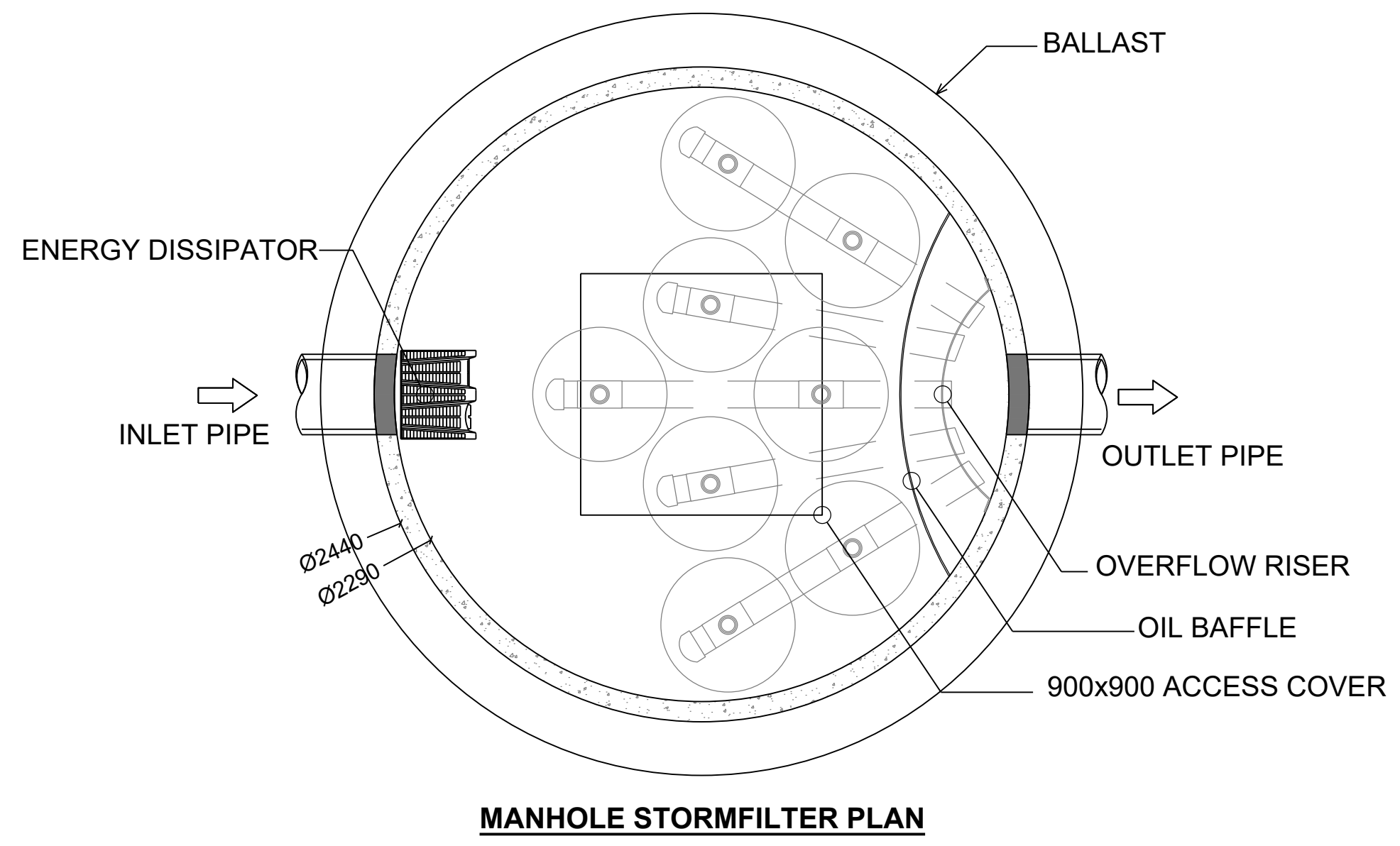
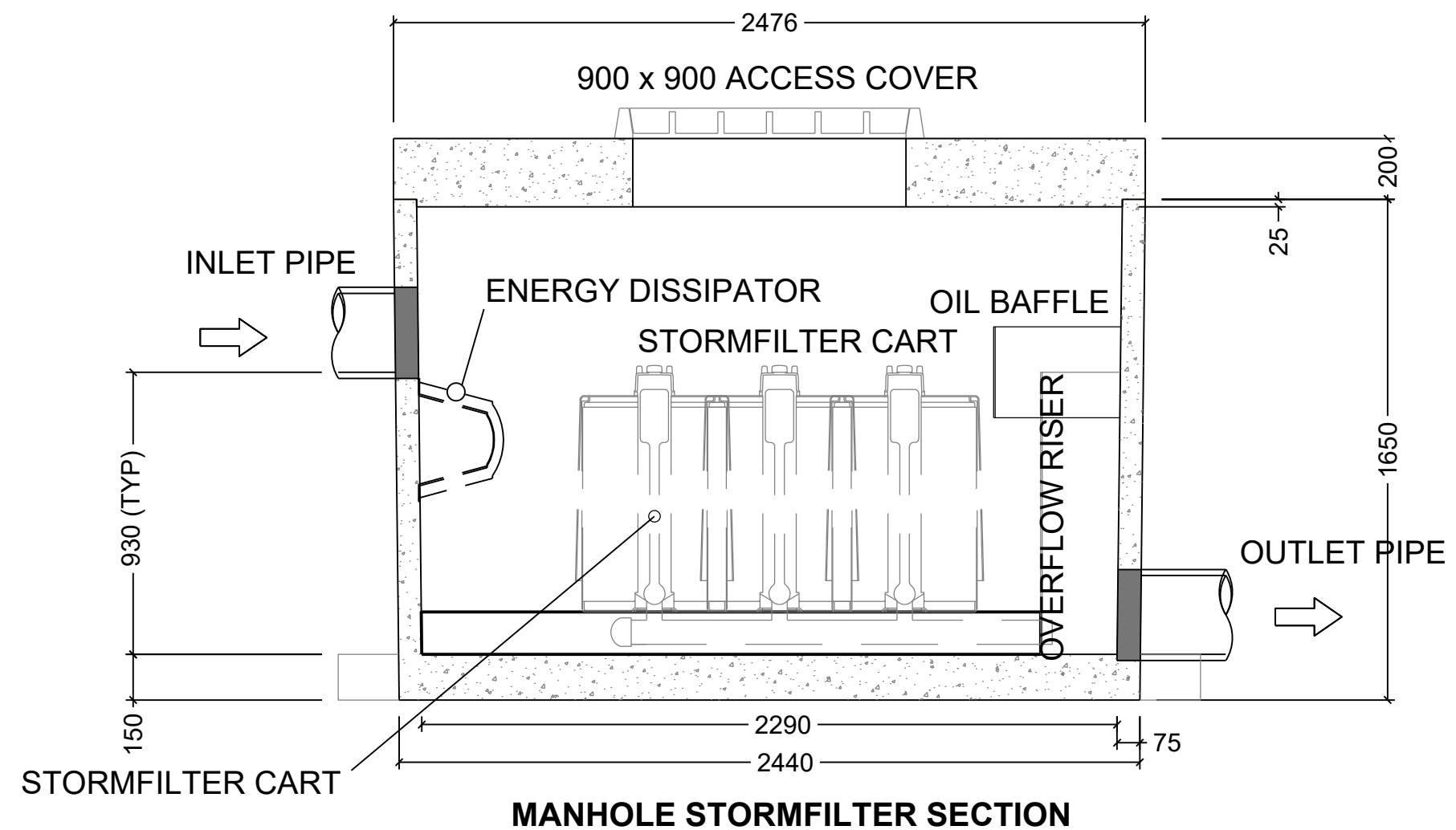
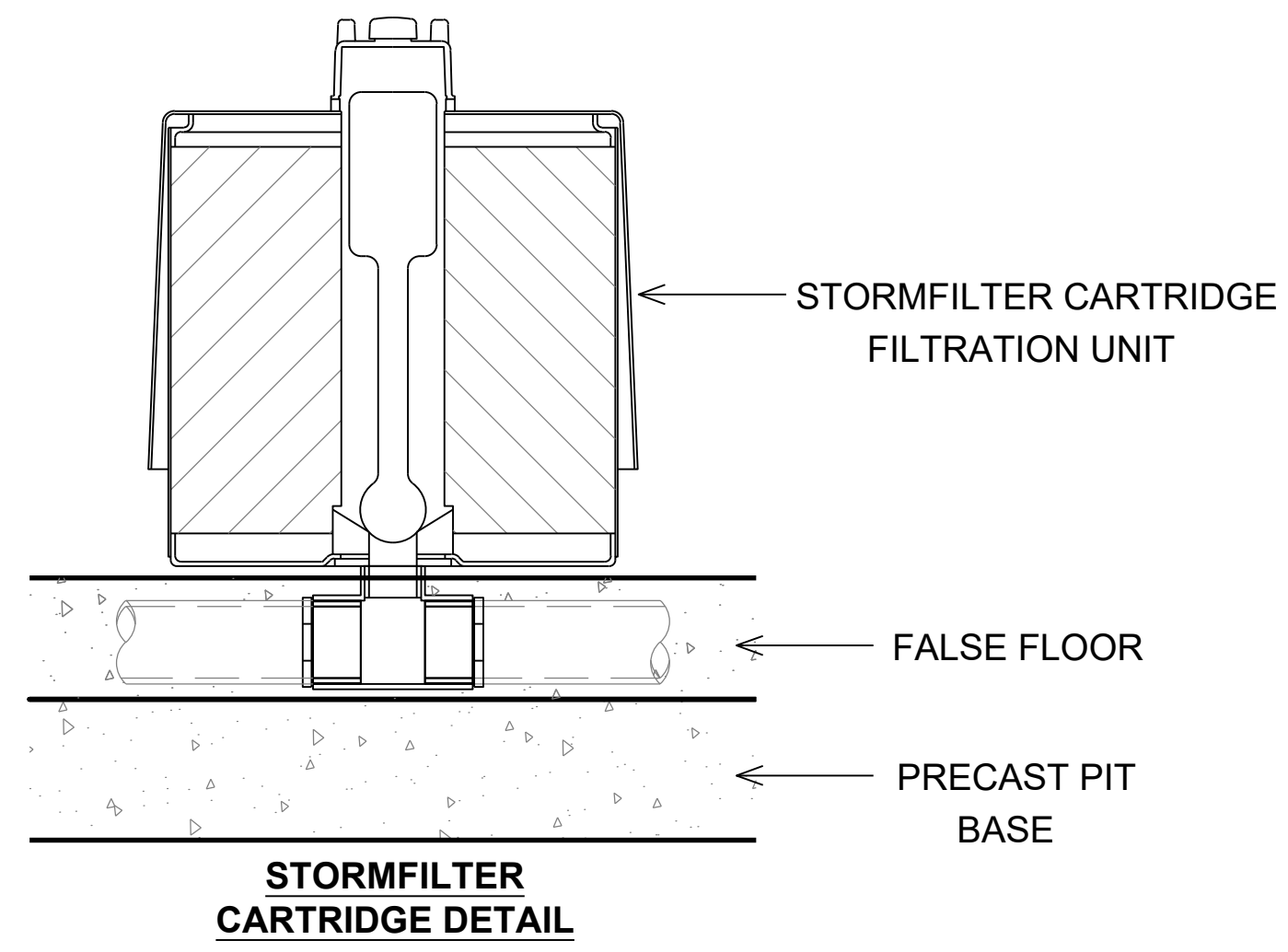
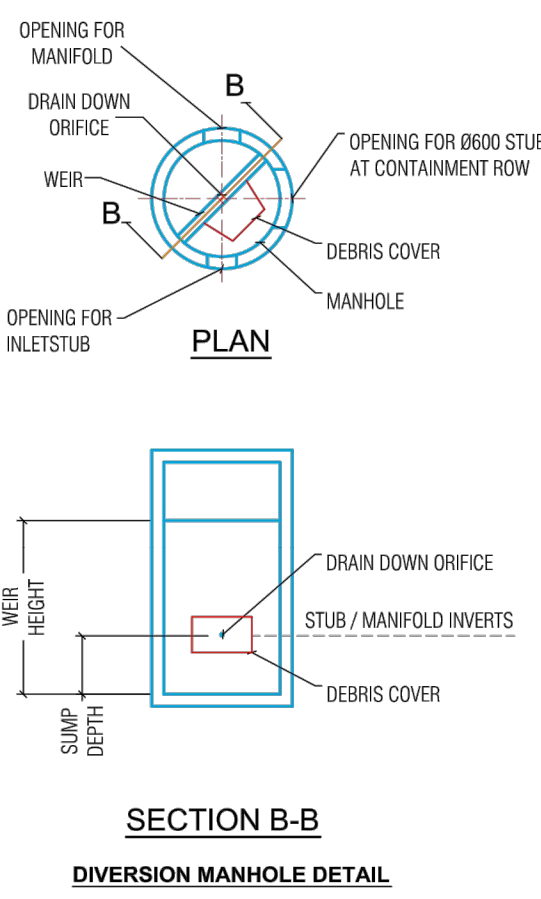
- ALL ELEVATIONS, DIMENSIONS AND LOCATIONS OF RISERS AND INLETS SHALL BE VERIFIED BY THE ENGINEER OF RECORD.
 - PRIOR TO INSTALLATION OF THE CHAMBERMAXX SYSTEM A PRE-CONSTRUCTION MEETING SHALL BE CONDUCTED. THOSE REQUIRED TO ATTEND ARE THE SUPPLIER OF THE SYSTEM, THE GENERAL CONTRACTOR, SUB-CONTRACTORS AND THE ENGINEER.
 - CHAMBERMAXX CHAMBERS ARE MANUFACTURED FROM POLYPROPYLENE PLASTIC.
 - CHAMBERMAXX SYSTEM TO MEET AASHTO HS20/HS25 LIVE LOADING, PER AASHTO LRFD SECTION 12.
 - ACCESS COVERS TO MEET AASHTO HS20/HS25 LIVE LOADING.
 - MINIMUM COVER IS 450 mm TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT. FOR COVER HEIGHTS GREATER THAN 1600 mm CONTACT YOUR LOCAL REPRESENTATIVE.
 - ALL PARTS PROVIDED BY STORMWATER360 UNLESS OTHERWISE NOTED.
 - CONTAINMENT ROW COMPRISED OF CHAMBERS SURROUNDED BY IMPERMEABLE LINER WITH A DIVERSION MANHOLE CONNECTED BY A Ø 600 mm PIPE.
 - CHAMBERMAXX BY STORMWATER SOLUTIONS.
- SYDNEY (AU) PHONE: (02) 9525 5833
BRISBANE (AU) PHONE: (07) 3272 1872
AUCKLAND (NZ) PHONE: (09) 476 5586

INSTALLATION NOTES

- CHAMBERMAXX INSTALLATION GUIDE TO BE REVIEWED BY CONTRACTOR PRIOR TO INSTALLATION.
- PRIOR TO PLACING BEDDING, THE FOUNDATION MUST BE CONSTRUCTED TO A UNIFORM AND STABLE GRADE. IN THE EVENT THAT UNSUITABLE FOUNDATION MATERIALS ARE ENCOUNTERED DURING EXCAVATION, A TENSAR BX GEOGRID SHALL BE UTILIZED OR UNSUITABLE MATERIAL SHALL BE REMOVED AND BROUGHT BACK TO GRADE WITH FILL MATERIAL AS APPROVED BY THE ENGINEER OF RECORD. ONCE THE FOUNDATION PREPARATION IS COMPLETE, THE BEDDING MATERIAL CAN BE PLACED.
- THE SCOUR PROTECTION NETTING TO EXTEND 300 mm BEYOND OUTSIDE EDGE OF INLET CHAMBERS.
- COVER ANY OPEN VOID SPACES GREATER THAN 20 mm ON CHAMBERS WITH A NON-WOVEN GEOTEXTILE TO PREVENT INFILTRATION OF BACKFILL MATERIAL.
- BACKFILL MATERIAL TO BE PLACED IN 150 mm TO 200 mm LOOSE LIFTS AND COMPACTED TO 90% AASHTO T99 STANDARD PROCTOR DENSITY. BACKFILL SHALL BE PLACED SUCH THAT THERE IS NO MORE THAN A TWO LIFT DIFFERENTIAL BETWEEN ANY OF THE CHAMBERS AT ANY TIME DURING THE BACKFILLING PROCESS. THE BACKFILL SHALL BE ADVANCED ALONG THE LENGTH OF THE CHAMBER SYSTEM AT THE SAME RATE TO AVOID DIFFERENTIAL LOADING ON THE CHAMBERS.
- REFER TO CHAMBERMAXX INSTALLATION GUIDE FOR TEMPORARY CONSTRUCTION LOADING GUIDELINES.
- IT IS ALWAYS THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW OSHA GUIDELINES FOR SAFE PRACTICES.



CHAMBERMAXX TYPICAL DETAIL



REVISION	AMENDMENT	DATE	REVISION	AMENDMENT	DATE
1	DEVELOPMENT APPLICATION	25/05/18			
2	DEVELOPMENT APPLICATION	19/07/18			
3	DEVELOPMENT APPLICATION	01/07/19			

CLIENT

Sydney Catholic Schools

PROJECT

ST ANTHONY OF PAUDA CATHOLIC SCHOOL

PREPARED BY

Warren Smith & Partners

Level 9, 233 Castlereagh St, Sydney 2000 NSW Australia
02 9299 1312 wsp@warrensmith.com.au
www.warrensmith.com.au ABN 36 300 430 126

CONSULTING ENGINEERS

- Hydraulic Services
- Fire Services
- Civil Services
- Sydney Water Accredited Water Servicing Co-ordinator and Designer

SERVING THE CONSTRUCTION INDUSTRY SINCE 1981.

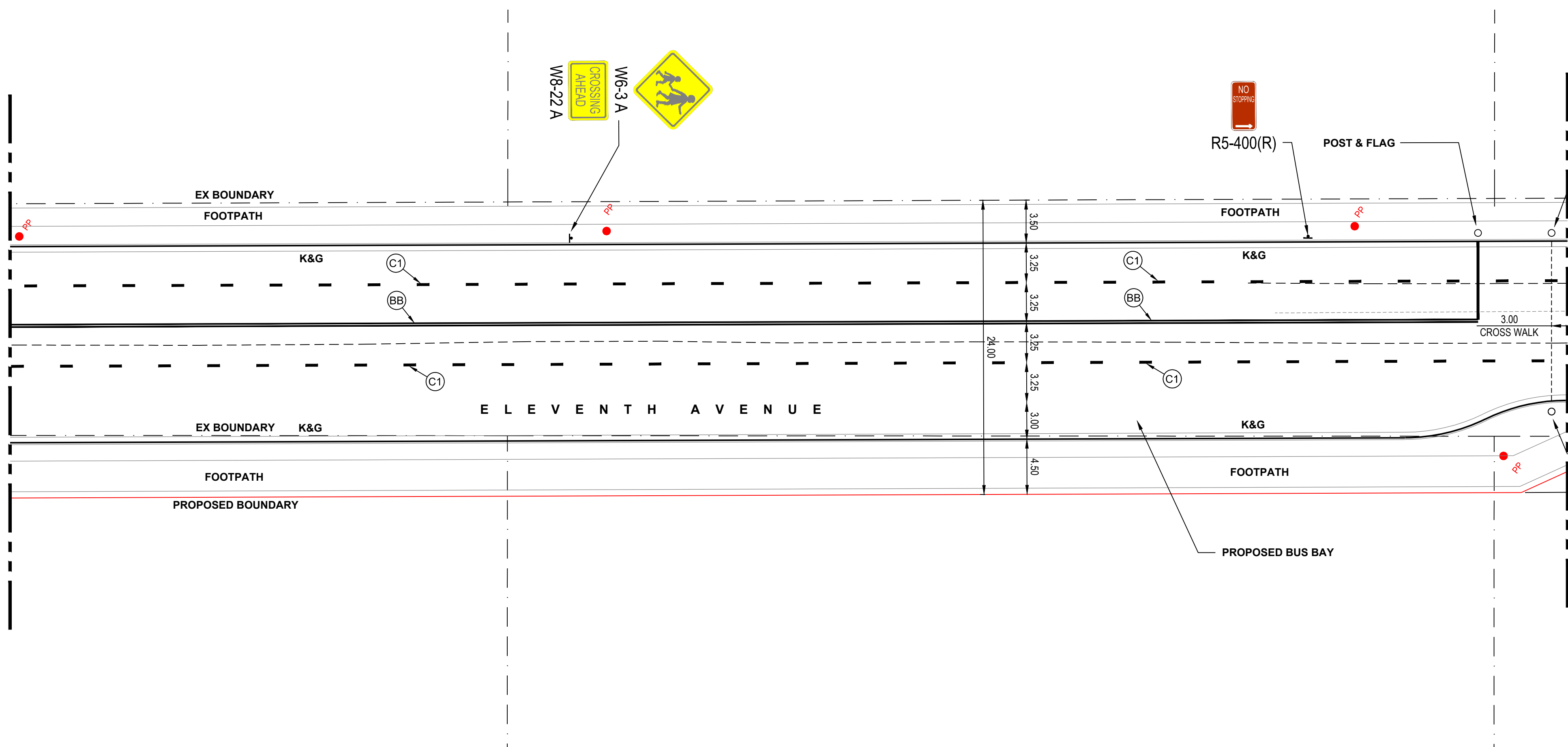
TITLE

STORMWATER 360 TREATMENT DEVICE TYPICAL DETAILS

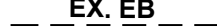
SCALE	AS SHOWN	DRAWN	M.C.Z.	DESIGNED	N.M.	CHECKED	L.Sh.	APPROVED	L.Sh.
JOB No.	5914000		DRAWING No.		C6.11		ISSUE		3
DATE	MARCH 2018		STATUS		DEVELOPMENT APPLICATION				

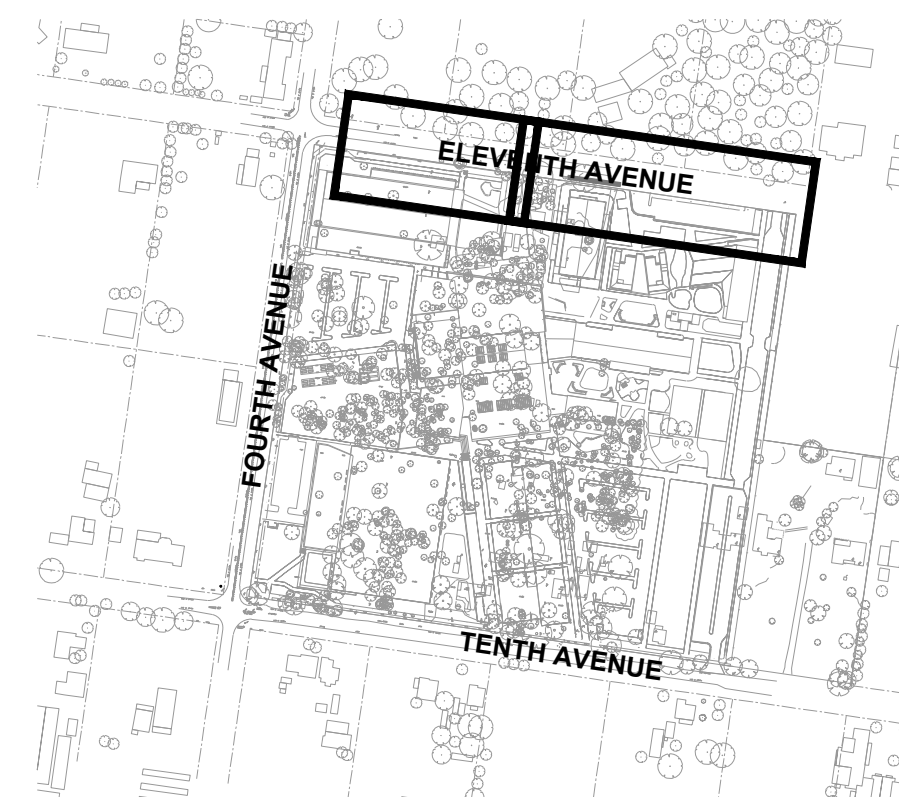
PRELIMINARY - NOT FOR CONSTRUCTION

REFER C7.03 FOR CONTINUATION

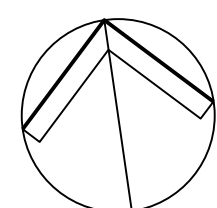


LEGEND

	EXISTING BOUNDARY
	PROPOSED BOUNDARY
	LIMIT OF WORKS
	EXISTING EDGE OF BITUMEN
	EXISTING CROWN
	EXISTING BB LINE
	EXISTING TB LINE (GIVEWAY)
	EXISTING TF LINE (STOP)
	EDGE LINE (E1)
	CONTINUITY LINE (C1)
	TURN LINE (T1)
	GIVEWAY LINE (TB)
	STOPPING LINE (TF)
	BARRIER LINE (BB)



KEY PLAN



NORTH

[illegible]

	CLIENT
--	--------



ST ANTHONY OF PADUA
CATHOLIC SCHOOL

PREPARED BY	
-------------	--



Warren Smith & Partners Pty Ltd
Level 9, 233 Castlereagh St, Sydney 2000 NSW Australia
02 9299 1312 wsp@warrensmith.com.au
www.warrensmith.com.au ABN 36 300 430 126



CONSULTING ENGINEERS
 ■ Hydraulic Services ■ Fire Services
 ■ Civil Services ■ Sydney Water Accredited Water
 Servicing Co-ordinator and Designer

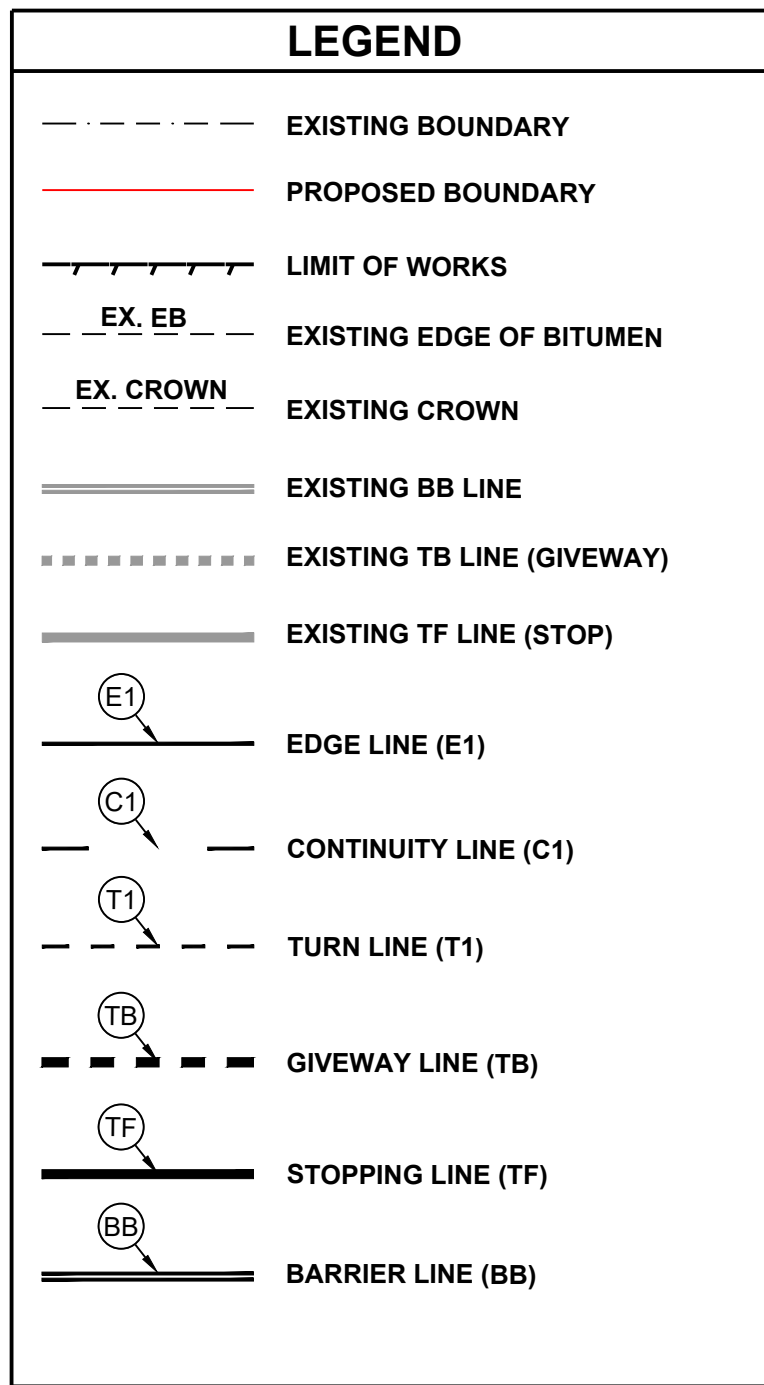
**SERVING THE CONSTRUCTION INDUSTRY
SINCE 1981.**

	TITLE
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	
35	
36	
37	
38	
39	
40	
41	
42	
43	
44	
45	
46	
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
70	
71	
72	
73	
74	
75	
76	
77	
78	
79	
80	
81	
82	
83	
84	
85	
86	
87	
88	
89	
90	
91	
92	
93	
94	
95	
96	
97	
98	
99	
100	

SIGNAGE AND LINEMARKING PLAN - SHEET 1

SCALE AS SHOWN	DRAWN J.W.	DESIGNED J.W.	CHECKED L.S.	APPROVED L.S.
JOB No. 5914000		DRAWING No. C7.02		ISSUE
DATE MARCH 2018		STATUS DEVELOPMENT APPLICATION		

Xrefs: X-5914000-TB_A1H; X-5914000-DE_Design_Interim; X-5914000-SU_Ground; X-5914000-AR_Ground
 Plot Date: 26.02.2020 @ 12:24:47 Login Name: mczanola Cad File: T:\5914000\Drawings\AutoCAD\Civil\Design\Civil 2D\DAC7.00 Sprague and Litemaking.dwg



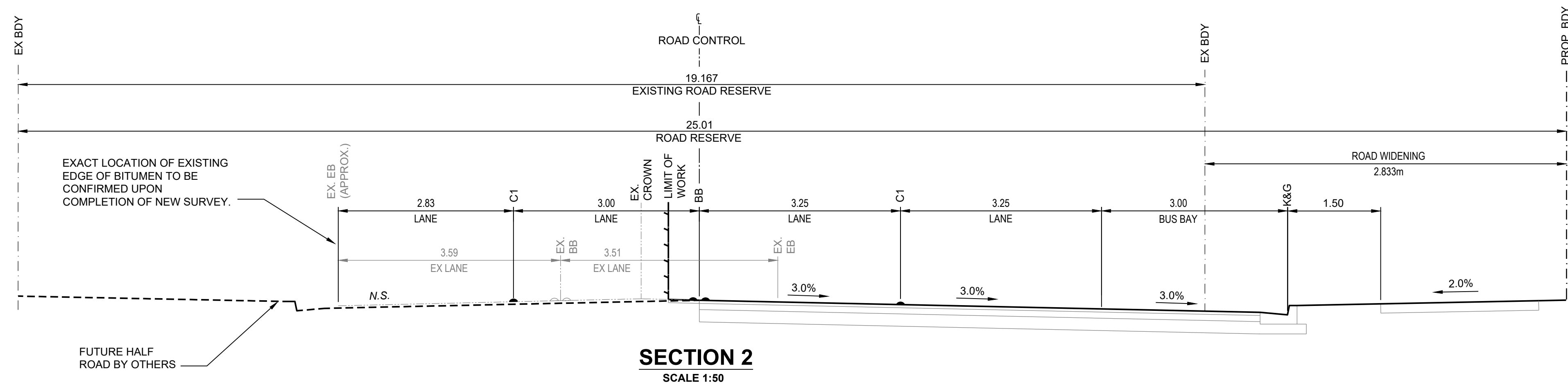
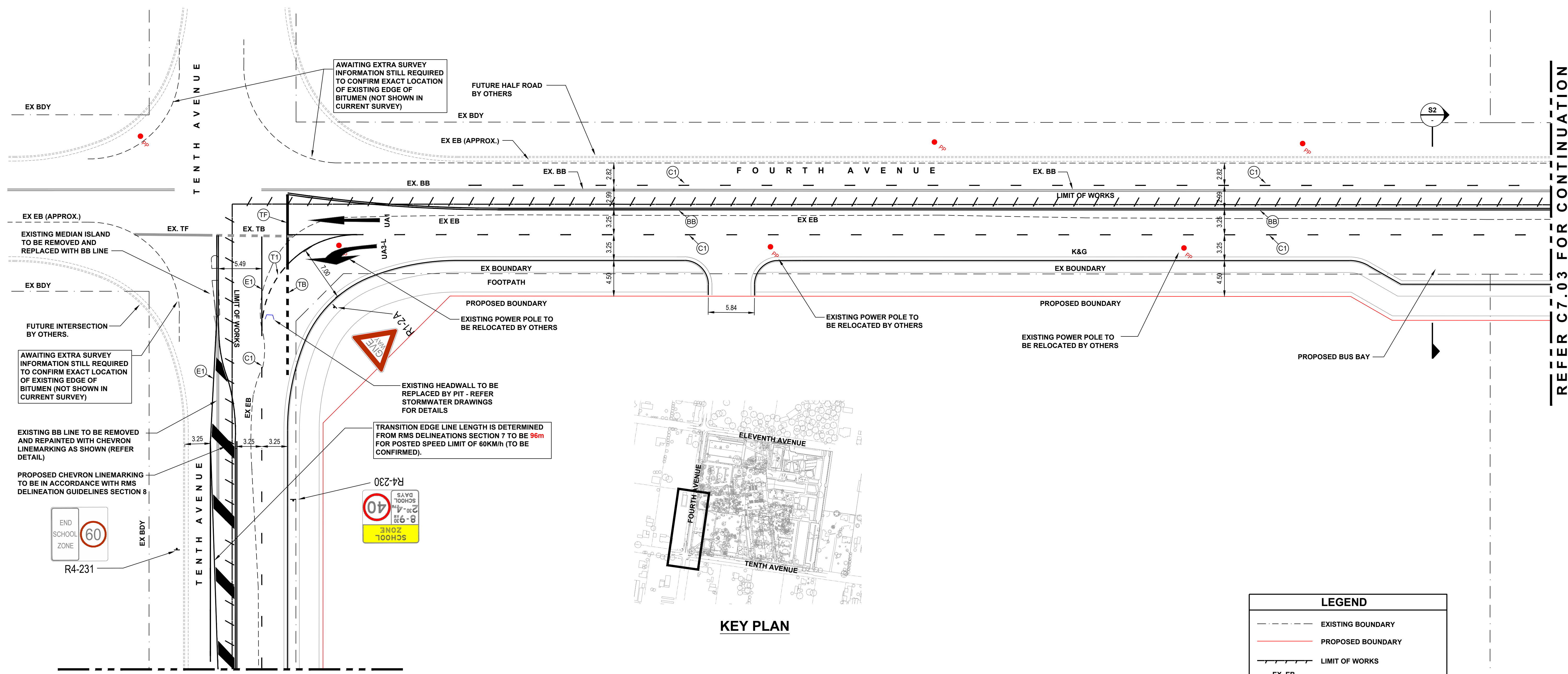
CLIENT

Sydney
Catholic
Schools

PROJECT

ST ANTHONY OF PADUA
CATHOLIC SCHOOL

TITLE				
SIGNAGE AND LINEMARKING PLAN - SHEET 2				
SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
AS SHOWN	J.W.	J.W.	L.S.	L.S.
JOB No.	DRAWING No.		ISSUE	
5914000		C7.03		1
DATE	STATUS			
MARCH 2018	DEVELOPMENT APPLICATION			



	EXISTING BOUNDARY
	PROPOSED BOUNDARY
	LIMIT OF WORKS
	EXISTING EDGE OF BITUMEN
	EXISTING CROWN
	EXISTING BB LINE
	EXISTING TB LINE (GIVEWAY)
	EXISTING TF LINE (STOP)
	EDGE LINE (E1)
	CONTINUITY LINE (C1)
	TURN LINE (T1)
	GIVEWAY LINE (TB)
	STOPPING LINE (TF)
	BARRIER LINE (BB)

[illegible]

CLIENT	 Sydney Catholic Schools
PROJECT	ST ANTHONY OF PADUA CATHOLIC SCHOOL



Warren Smith & Partners Pty Ltd
 Level 9, 233 Castlereagh St, Sydney 2000 NSW Australia
 02 9299 1312 wsp@warrensmith.com.au
www.warrensmith.com.au **ABN 36 300 430 126**

CONSULTING ENGINEERS

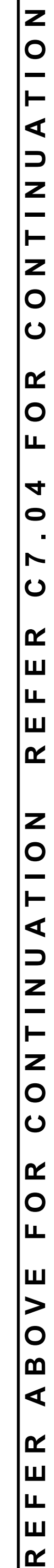
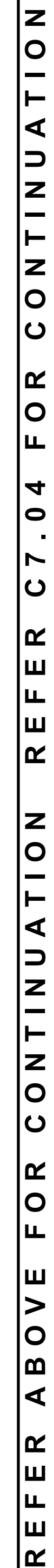
- Hydraulic Services ■ Fire Services
- Civil Services ■ Sydney Water Accredited Water Servicing Co-ordinator and Designer

**SERVING THE CONSTRUCTION INDUSTRY
SINCE 1981.**

TITLE				
SIGNAGE AND LINEMARKING PLAN - SHEET 3				
SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
AS SHOWN	J.W.	J.W.	L.S.	L.S.
JOB No.	DRAWING No.		ISSUE	
5914000		C7.04		1
DATE	STATUS			
MARCH 2018	DEVELOPMENT APPLICATION			

Plot Date: 28.02.2020@12:26:05 Login Name: mczamola Cad File: T:\59140001Drawings\AutoCAD\CivilDesign\Civil 2D\DAIC7.00 Storage and Linemarking.dwg

REFER ABOVE FOR CONTINUATION REFER C7.04 FOR CONTINUATION



REFER ABOVE FOR CONTINUATION REFER C7.04 FOR CONTINUATION

REFER ABOVE FOR CONTINUATION REFER C7.04 FOR CONTINUATION

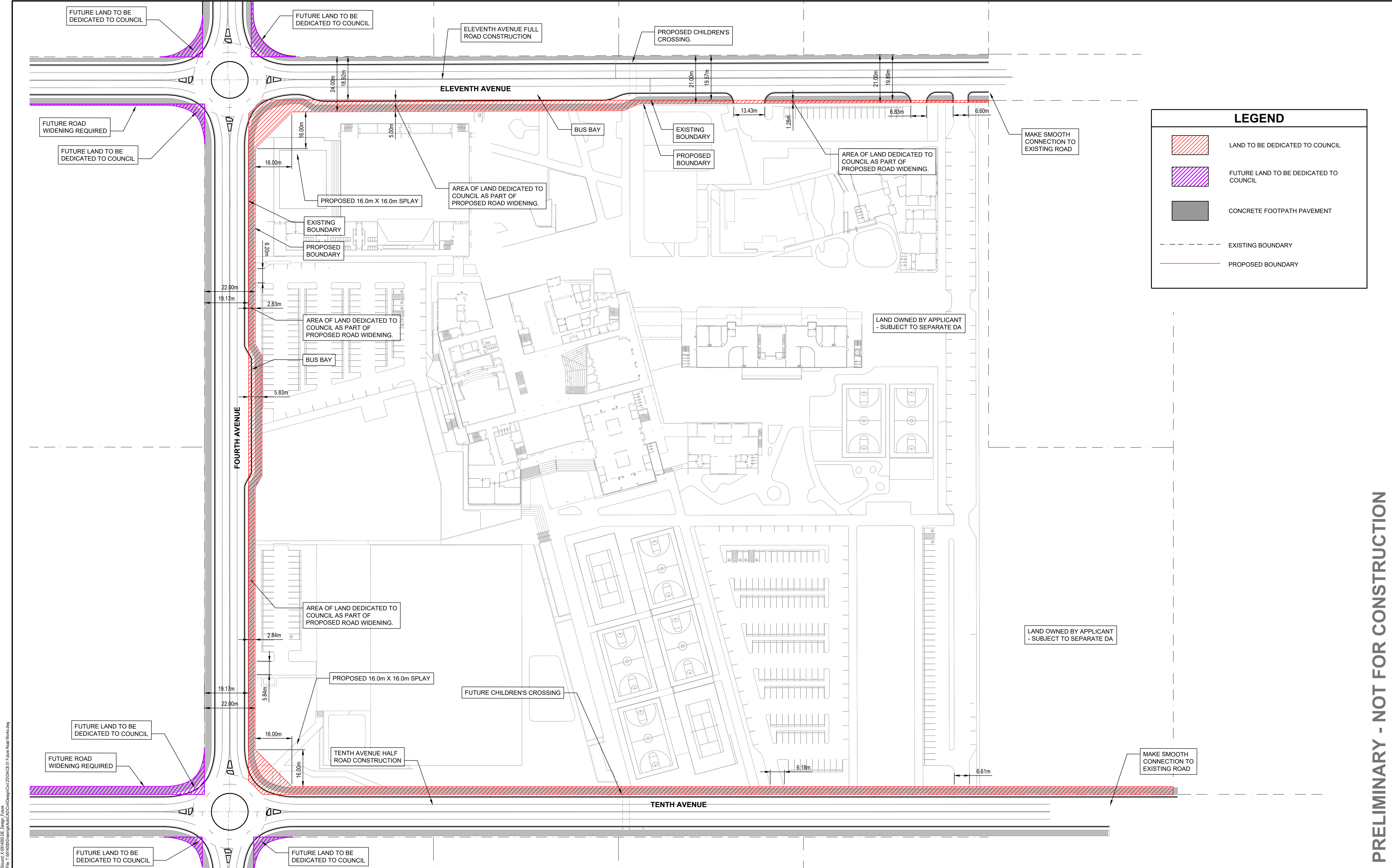
REFER ABOVE FOR CONTINUATION REFER C7.04 FOR CONTINUATION

REFER ABOVE FOR CONTINUATION REFER C7.04 FOR CONTINUATION

REFER ABOVE FOR CONTINUATION REFER C7.04 FOR CONTINUATION

REFER ABOVE FOR CONTINUATION REFER C7.04 FOR CONTINUATION

REFER ABOVE FOR CONTINUATION REFER C7.04 FOR CONTINUATION



LEGEND

LAND TO BE DEDICATED TO COUNCIL

FUTURE LAND TO BE DEDICATED TO COUNCIL

CONCRETE FOOTPATH PAVEMENT

EXISTING BOUNDARY

PROPOSED BOUNDARY

PRELIMINARY - NOT FOR CONSTRUCTION

DO NOT SCALE FROM DRAWINGS, CHECK & VERIFY ALL DIMENSIONS & LEVELS BEFORE COMMENCEMENT OF ANY WORK.

THIS DRAWING IS NOT TO BE COPIED IN PART OR WHOLE WITHOUT WRITTEN PERMISSION FROM WARREN SMITH AND PARTNERS.

NORTH

12.50

0

5

10

15

20

25m

PLAN

SCALE 1:750

A1 SHEET

REVISION	AMENDMENT	DATE	REVISION	AMENDMENT	DATE
1	DEVELOPMENT APPLICATION	25/08/18			
2	DEVELOPMENT APPLICATION	19/07/18			
3	DEVELOPMENT APPLICATION	16/08/19			
4	DEVELOPMENT APPLICATION	20/08/19			
5	DEVELOPMENT APPLICATION	30/08/19			
6	DEVELOPMENT APPLICATION	02/09/19			
7	DEVELOPMENT APPLICATION	05/09/19			
8	DEVELOPMENT APPLICATION	28/02/20			

CLIENT

Sydney Catholic Schools

PROJECT

ST ANTHONY OF PADUA CATHOLIC SCHOOL

PREPARED BY

Warren Smith & Partners

Warren Smith & Partners Pty Ltd

Level 9, 233 Castlereagh St, Sydney 2000 NSW Australia

02 9299 1312 wsp@warrensmith.com.au

www.warrensmith.com.au ABN 36 300 430 126

CONSULTING ENGINEERS

■ Hydraulic Services ■ Fire Services

■ Civil Services ■ Sydney Water Accredited Water

Servicing Co-ordinator and Designer

SERVING THE CONSTRUCTION INDUSTRY SINCE 1981.

TITLE

FUTURE ROAD WORKS

SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
AS SHOWN	J.W.	J.W.	L.S.	L.S.
JOB No.	DRAWING No.		ISSUE	
5914000	C8.01		8	
DATE	STATUS			
MARCH 2018	DEVELOPMENT APPLICATION			



TITLE				
FUTURE 11TH AND 4TH AVE ROUNDBOUT				
SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
AS SHOWN	P.M.	P.M.	L.S.	L.S.
JOB No.		DRAWING No.	ISSUE	
5914000		C8.03	2	
DATE	STATUS			
MARCH 2018	DEVELOPMENT APPLICATION			

