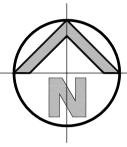
# PROPOSED CHURCH, MULTIPURPOSE HALL AND ELC 320 DWYER ROAD, LEPPINGTON, NSW CIVIL ENGINEERING WORKS

#### **GENERAL NOTES:**

- 1. ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH CAMDEN COUNCIL'S SPECIFICATION. CONTRACTOR TO OBTAIN AND RETAIN A COPY ON SITE DURING THE
- 2. ALL NEW WORKS ARE TO MAKE A SMOOTH JUNCTION WITH EXISTING CONDITIONS AND
- 3. THE CONTRACTOR IS TO VERIFY THE LOCATION OF ALL SERVICES WITH EACH RELEVANT AUTHORITY. ANY DAMAGE TO SERVICES SHALL BE RECTIFIED BY THE CONTRACTOR OF INACCURACIES OR INCOMPLETE DATA.
- SERVICES & ACCESSES TO THE EXISTING PROPERTIES ARE TO BE MAINTAINED IN WORKING ORDER AT ALL TIMES DURING CONSTRUCTION
- 5. ADJUST EXISTING SERVICE COVERS TO SUIT NEW FINISHED LEVELS TO RELEVANT AUTHORITY REQUIREMENTS WHERE NECESSARY.
- 6. REINSTATE AND STABILISE ALL DISTURBED LANDSCAPED AREAS.
- 7. MINIMUM GRADE OF SUBSOIL SHALL BE 0.5% (1:200) FALL TO OUTLETS.
- 8. ALL TEMPORARY SEDIMENT AND EROSION CONTROL DEVICES ARE TO BE CONSTRUCTED, PLACED AND MAINTAINED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS, EROSION AND SEDIMENTATION CONTROL PLAN AND CAMDEN COUNCIL'S REQUIREMENTS
- 9. CONTRACTOR TO CHECK AND CONFIRM SITE DRAINAGE CONNECTIONS ACROSS THE VERGE PRIOR TO COMMENCEMENT OF SITE DRAINAGE WORKS.
- 10. PROPERTIES AFFECTED BY THE WORKS ARE TO BE NOTIFIED IN ADVANCE WHERE DISRUPTION TO EXISTING ACCESS IS LIKELY.

### **EXISTING SERVICES & FEATURES**

- THE CONTRACTOR SHALL ALLOW FOR THE CAPPING OFF, EXCAVATION AND REMOVAL (IF REQUIRED) OF ALL EXISTING SERVICES IN AREAS AFFECTED BY WORKS WITHIN THE CONTRACT AREA OR AS SHOWN ON THE DRAWINGS UNLESS DIRECTED OTHERWISE BY
- THE CONTRACTOR SHALL ENSURE THAT AT ALL TIMES SERVICES TO ALL BUILDINGS NOT AFFECTED BY THE WORKS ARE NOT DISRUPTED.
- PRIOR TO COMMENCEMENT OF ANY WORKS THE CONTRACTOR SHALL GAIN APPROVAL OF HIS PROGRAM FOR THE RELOCATION/ CONSTRUCTION OF TEMPORARY SERVICES.
- CONTRACTOR SHALL CONSTRUCT TEMPORARY SERVICES TO MAINTAIN SUPPLY TO EXISTING BUILDING REMAINING IN OPERATION DURING WORKS TO THE SATISFACTION AND APPROVAL OF THE SUPERINTENDENT. ONCE DIVERSION IS COMPLETE AND COMMISSIONED, THE CONTRACTOR SHALL REMOVE ALL SUCH TEMPORARY SERVICES AND MAKE GOOD TO THE SATISFACTION OF THE SUPERINTENDENT.
- INTERRUPTION TO SUPPLY OF EXISTING SERVICES SHALL BE DONE SO AS NOT TO CAUSE ANY INCONVENIENCE TO THE PRINCIPAL. CONTRACTOR TO GAIN APPROVAL FROM THE SUPERINTENDENT FOR TIME OF INTERRUPTION.
- EXISTING SERVICES, BUILDINGS, EXTERNAL STRUCTURES AND TREES SHOWN ON THESE DRAWINGS ARE EXISTING FEATURES PRIOR TO ANY DEMOLITION WORKS.
- EXISTING SERVICES UNLESS SHOWN ON SURVEY PLAN HAVE BEEN PLOTTED FROM SERVICES SEARCH PLANS AND AS SUCH THEIR ACCURACY CANNOT BE GUARANTEED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLETE A 'DIAL BEFORE YOU DIG' SEARCH AND TO ESTABLISH THE LOCATION AND LEVEL OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF ANY WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE SUPERINTENDENT. CLEARANCES SHALL BE OBTAINED FROM THE RELEVANT SERVICE
- ALL BRANCH GAS AND WATER SERVICES UNDER DRIVEWAYS AND BRICK PAVING SHALL BE LOCATED IN Ø80 uPVC SEWER GRADE CONDUITS EXTENDING A MINIMUM OF 500mm BEYOND EDGE OF PAVING.





# LOCALITY SKETCH

	DRAWING SCHEDULE
19301_DA_C000	COVER SHEET, DRAWING SCHEDULE, NOTES & LOCALITY SKETCH
19301_DA_C100	GENERAL ARRANGEMENT PLAN
19301_DA_C101	DETAIL PLAN - SHEET 1 OF 2
19301_DA_C102	DETAIL PLAN - SHEET 2 OF 2
19301_DA_C110	SITE SECTIONS
19301_DA_C200	STORMWATER MISCELLANEOUS DETAILS & PIT LID SCHEDULE
19301_DA_C201	OSD TANK PLAN, SECTIONS AND DETAILS
19301_DA_C202	BIO-RETENTION BASIN 1 PLAN AND SECTION
19301_DA_C203	BIO-RETENTION BASIN 2 PLAN AND SECTION
19301_DA_C210	STORMWATER LONGITUDINAL SECTIONS
19301_DA_C250	STORMWATER CATCHMENT PLAN
19301_DA_SE01	SEDIMENT & EROSION CONTROL PLAN
19301_DA_SE02	SEDIMENT & EROSION CONTROL TYPICAL SECTIONS & DETAILS
19301_DA_BE01	BULK EARTHWORKS CUT AND FILL PLAN
19301_DA_BE02	BULK EARTHWORKS SECTIONS

## SITEWORKS NOTES

- DATUM : A.H.D.
- ORIGIN OF LEVELS: REFER TO BENCH OR STATE SURVEY MARKS WHERE SHOWN ON PLAN.
- CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO THE COMMENCEMENT OF WORK.
- ALL WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH THE DETAILS SHOWN ON THE DRAWINGS & THE DIRECTIONS OF THE SUPERINTENDENT
- EXISTING SERVICES UNLESS SHOWN ON THE SURVEY PLAN HAVE BEEN ESTABLISH THE LOCATION AND LEVEL OF ALL EXISTING SERVICES PRIOR TO REPORTED TO THE SUPERINTENDENT. CLEARANCES SHALL BE OBTAINED FROM THE RELEVANT SERVICE AUTHORITY.
- WHERE NEW WORKS ABUT EXISTING THE CONTRACTOR SHALL ENSURE THAT A SMOOTH EVEN PROFILE, FREE FROM ABRUPT CHANGES IS ACHIEVED.
- 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 EXCAVATION IS TO BE UNDERTAKEN OVER TELSTRA OR ELECTRICAL SERVICES. HAND EXCAVATE IN THESE AREAS.
- CONTRACTOR TO OBTAIN AUTHORITY APPROVALS WHERE APPLICABLE
- MAKE SMOOTH TRANSITION TO EXISTING SURFACES AND MAKE GOOD.
- THESE PLANS SHALL BE READ IN CONJUNCTION WITH APPROVED LANDSCAPE, ARCHITECTURAL, STRUCTURAL, HYDRAULIC AND MECHANICAL DRAWINGS AND OR WRITTEN INSTRUCTIONS THAT MAY BE ISSUED RELATING TO DEVELOPMENT AT THE SITE.
- TRENCHES THROUGH EXISTING ROAD AND CONCRETE PAVEMENTS SHALL BE SAWCUT TO FULL DEPTH OF CONCRETE AND A MINIMUM OF 50mm IN
- ALL BRANCH GAS AND WATER SERVICES UNDER DRIVEWAYS AND BRICK PAVING SHALL BE LOCATED IN Ø80 uPVC SEWER GRADE CONDUITS EXTENDING A MINIMUM OF 500mm BEYOND EDGE OF PAVING.
- GRADES TO PAVEMENTS TO BE AS IMPLIED BY RL'S ON PLAN . GRADE EVENLY BETWEEN NOMINATED RL'S. AREAS EXHIBITING PONDING GREATER THAN 5mm DEPTH WILL NOT BE ACCEPTED UNLESS IN A DESIGNATED SAG POINT.
- ALL COVERS AND GRATES ETC TO EXISTING SERVICE UTILITIES ARE TO BE ADJUSTED TO SUIT NEW FINISHED SURFACE LEVELS WHERE APPLICABLE.

## **SURVEY NOTES**

THE EXISTING SITE CONDITIONS SHOWN ON THE FOLLOWING DRAWINGS HAVE BEEN INVESTIGATED BY THE SURVEYOR SPECIFIED IN THE TITLE

THE INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN. HENRY AND HYMAS PTY. LTD. 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 HENRY AND HYMAS PTY. LTD. THE FOLLOWING NOTES HAVE BEEN TAKEN DIRECTLY FROM ORIGINAL SURVEY DOCUMENTS. ORIGIN OF LEVELS PM 43321 RL81.911

# FOR DA ONLY

SURVEY INFORMATION Apostolic Catholic Assyrian Church of the East ISSUED FOR DA ONL' NH 02.07.2020 TSS TOTAL SURVEYING SOLUTIONS ISSUED FOR DA ONL' NH 22.06.2020 **PMDL** DATUM: AHD ISSUED FOR DA ONL' NH 24.07.2019 ORIGIN OF LEVELS NH 17.07.2019 ISSUED FOR DA ONL' PM 43321 RL 81.911 This drawing and design remains the property of Henry & Hymas and may not be copied in whole or in part without the prior written approval of Henry & Hymas. DRAWN DESIGNED DATE REVISION DRAWN DESIGNED DATE

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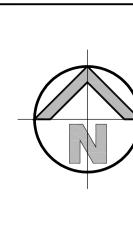


PROPOSED CHURCH, MULTIPURPOSE HALL AND ELC 320 DWYER ROAD, LEPPINGTON, NSW

COVER SHEET, DRAWING SCHEDULE, NOTES & LOCALITY SKETCH

M.Stimova L.Caha JUNE 2019 Scale @A1 A.Francis NTS N.Heazlewood

19301 DA C000 04



**SURVEY INFORMATION** 

SURVEYED BY

TSS TOTAL SURVEYING SOLUTIONS

DATUM: AHD

ORIGIN OF LEVELS:

PM 43321 RL 81.911

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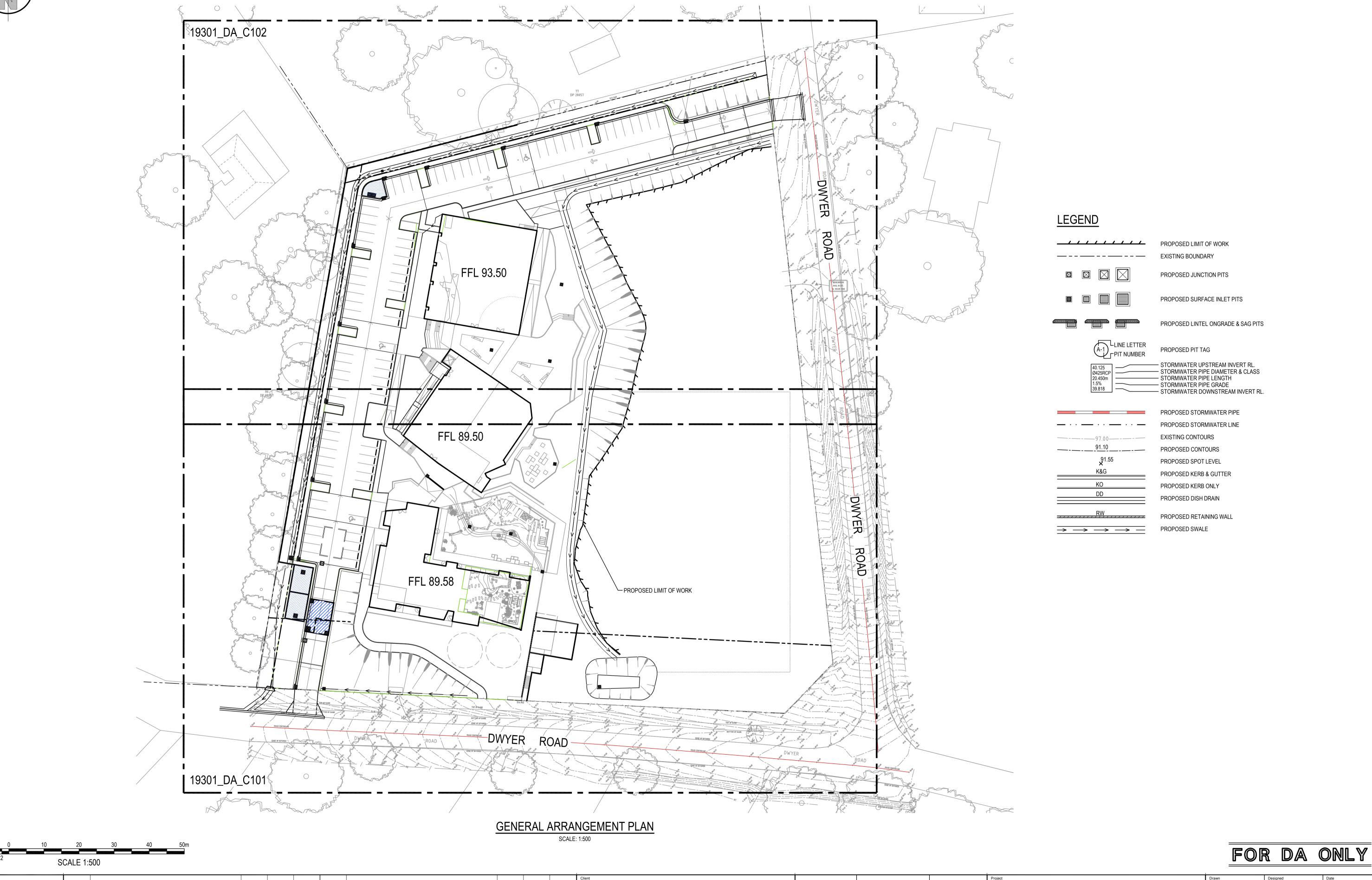
NH 22.06.2020

NH 24.07.2019

DRAWN DESIGNED DATE REVISION

AMENDMENT

IK NH 17.07.2019



Apostolic Catholic Assyrian Church of the East

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DRAWN DESIGNED DATE

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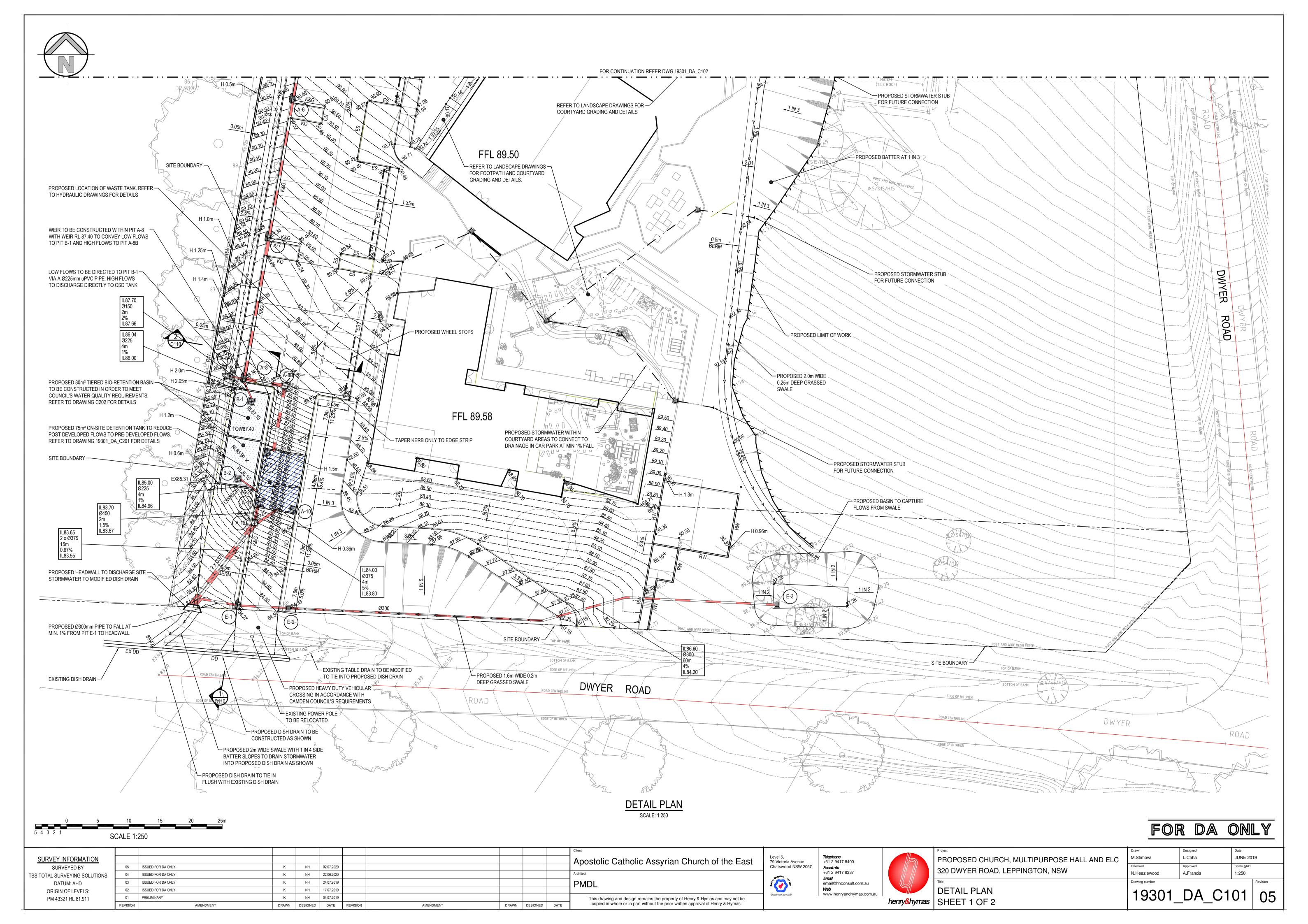
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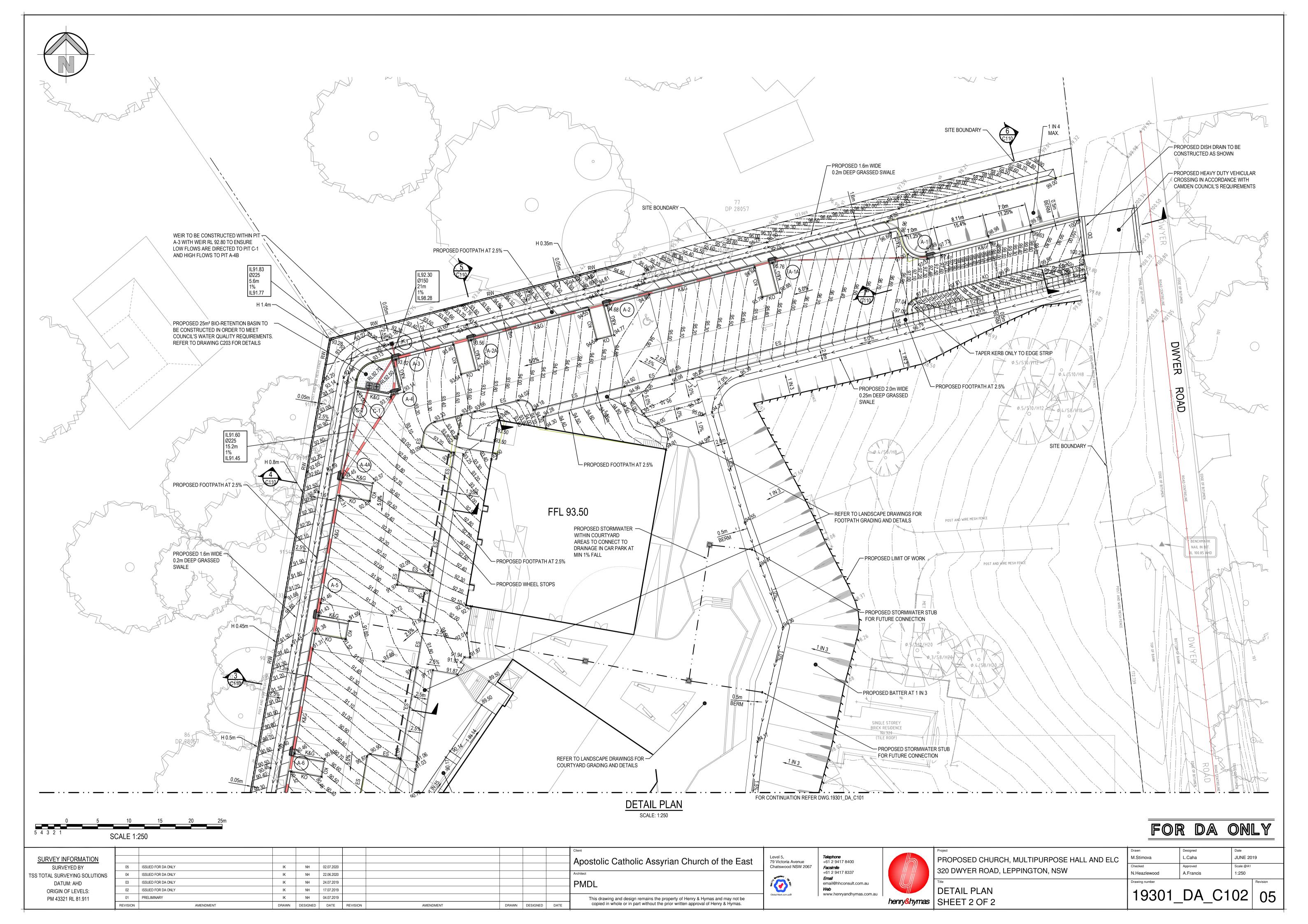
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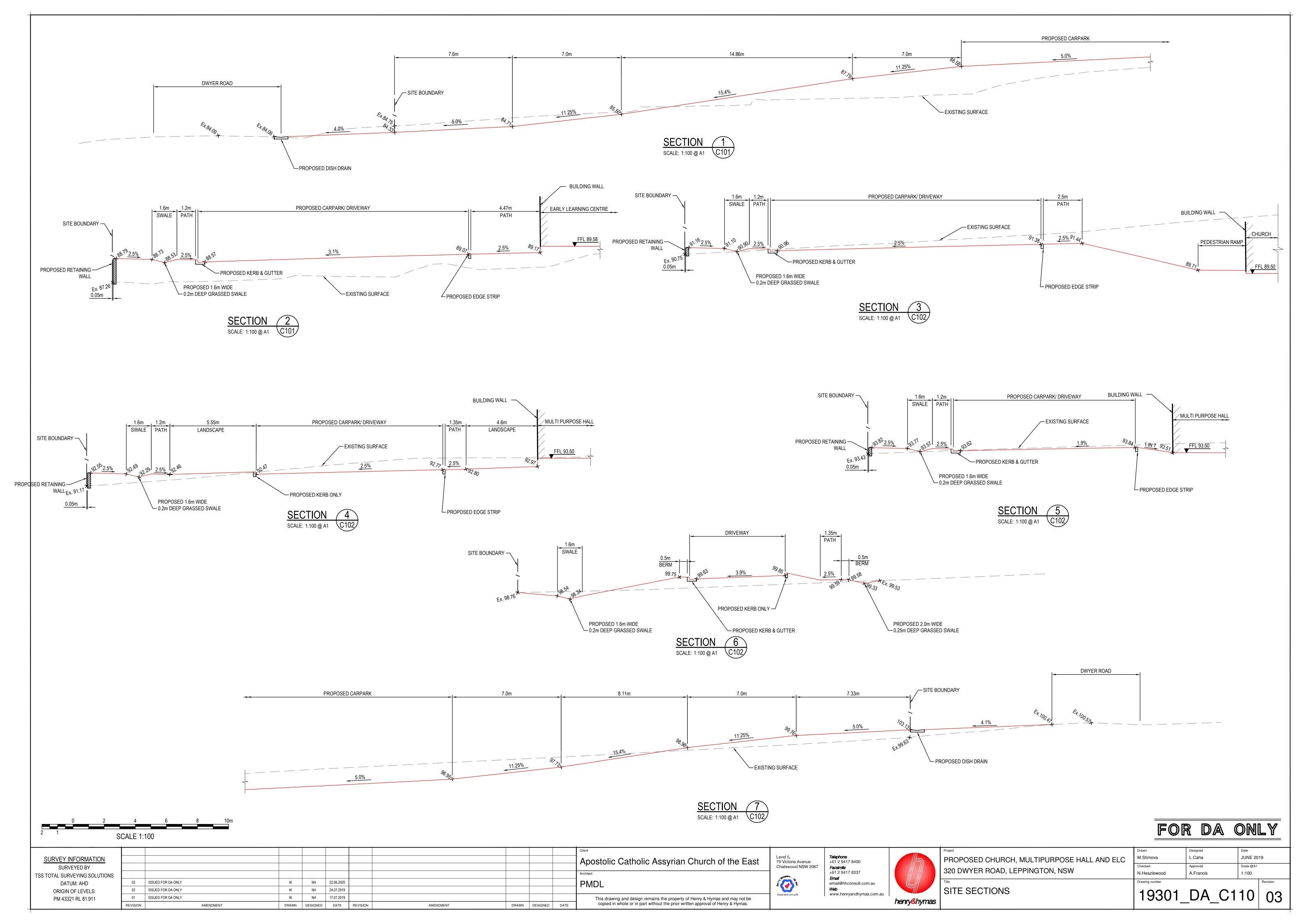
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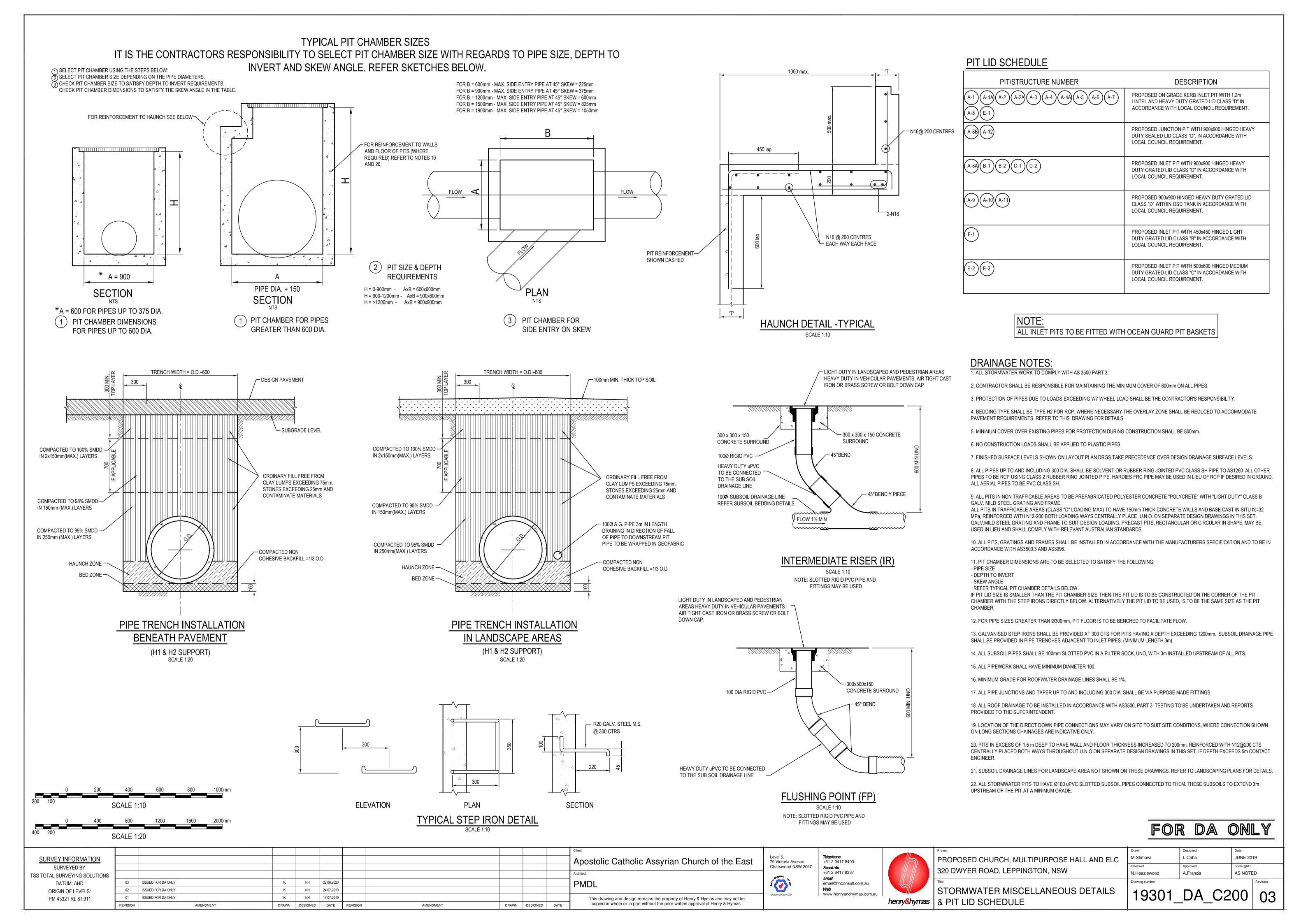
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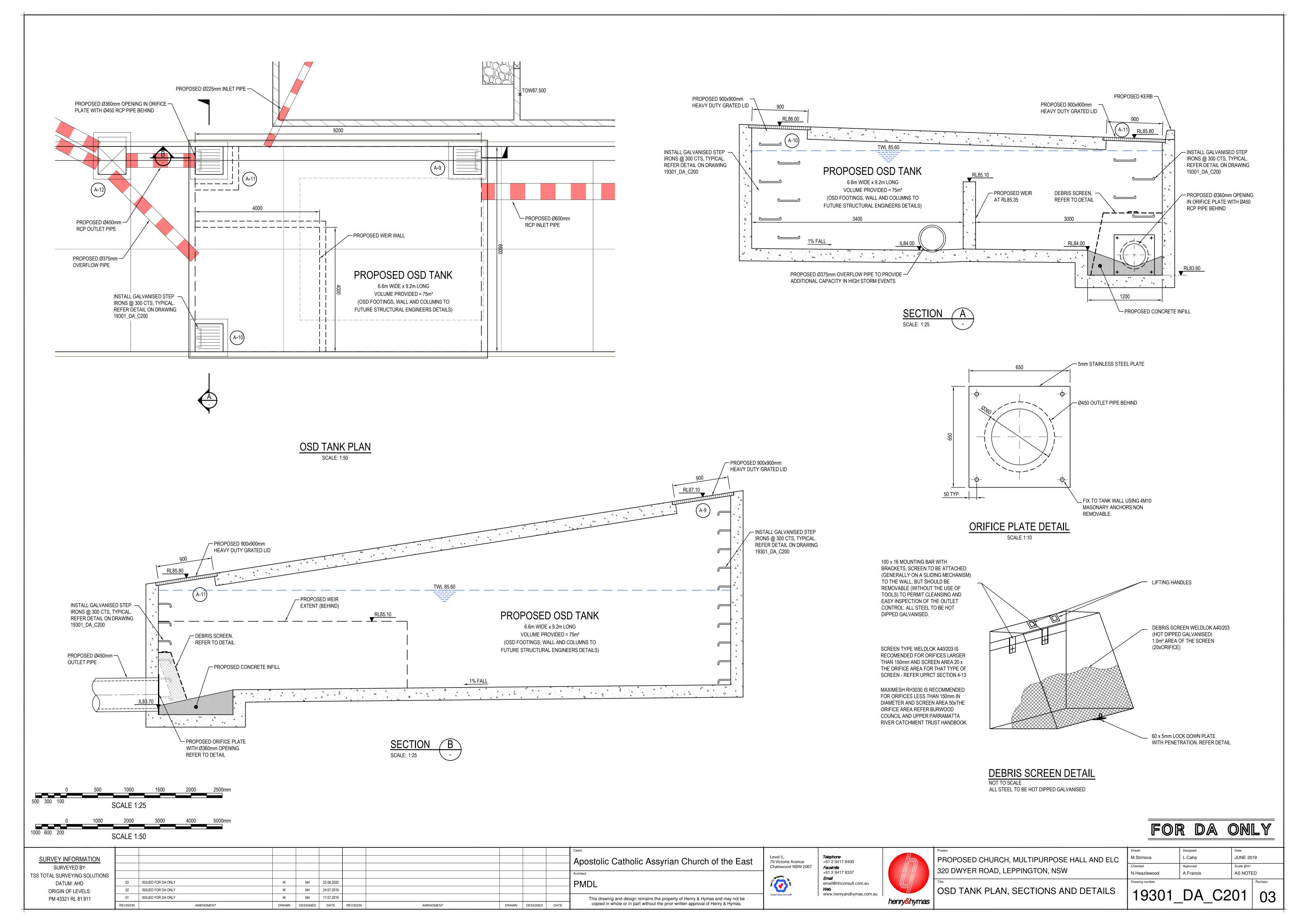
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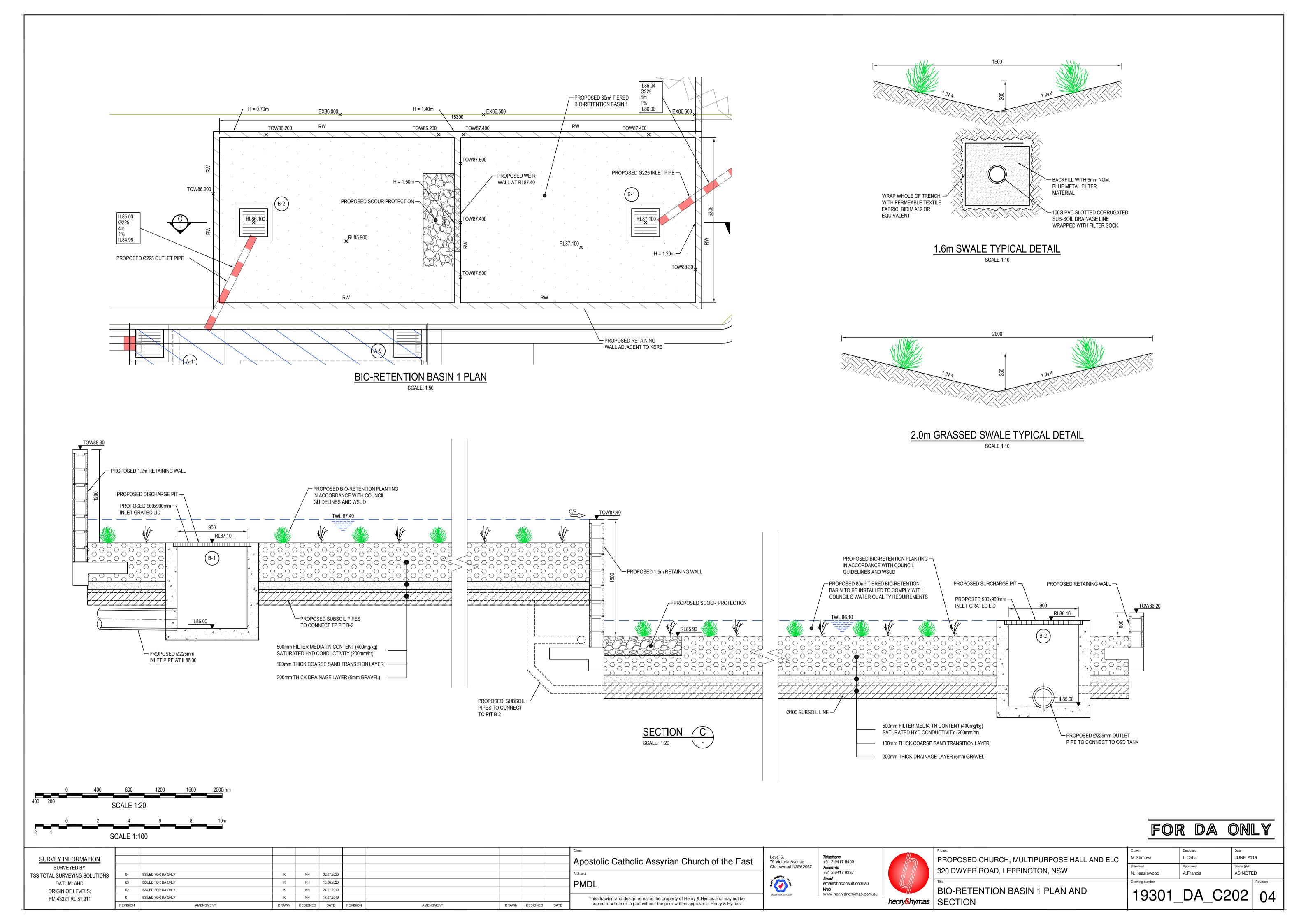


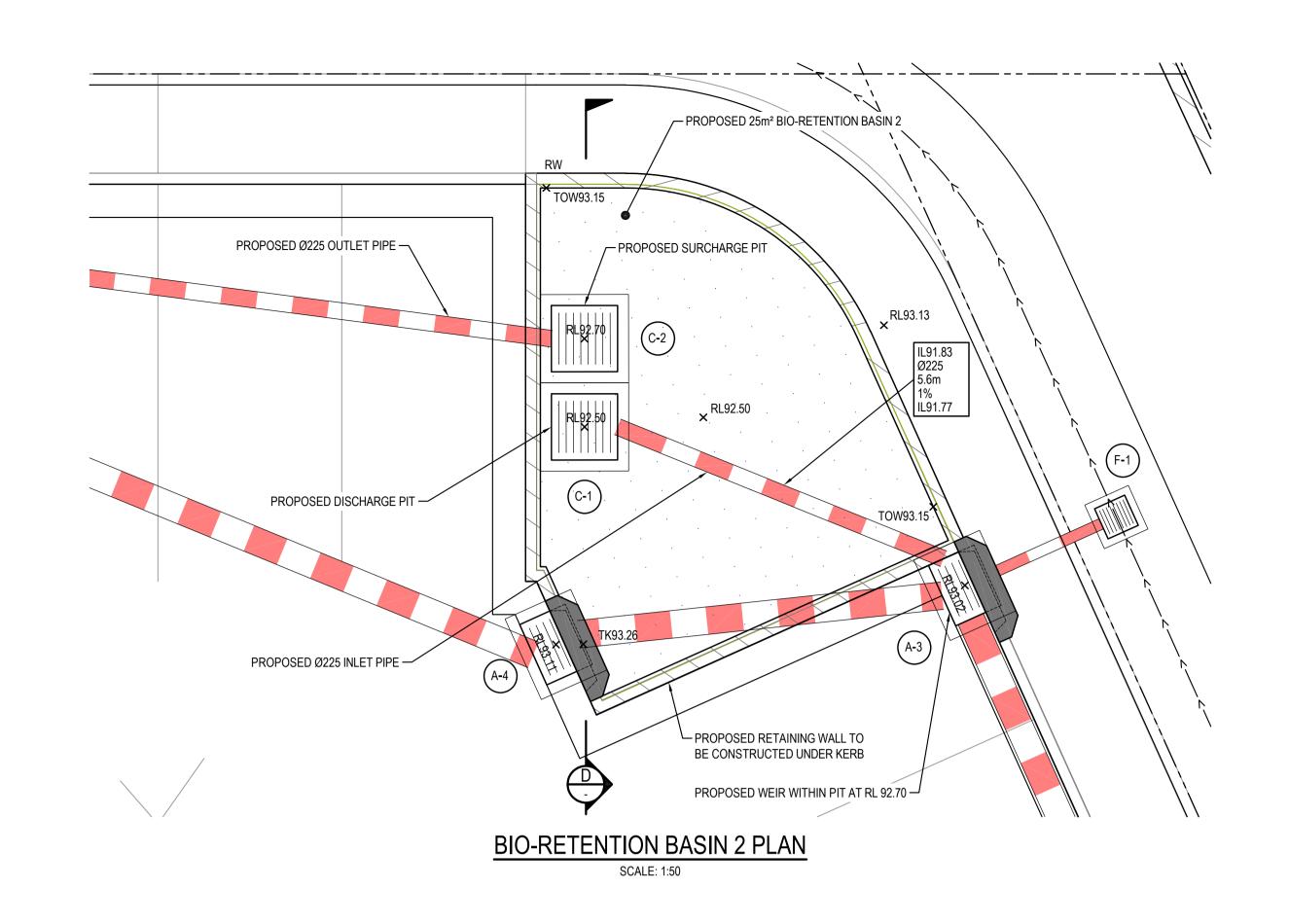


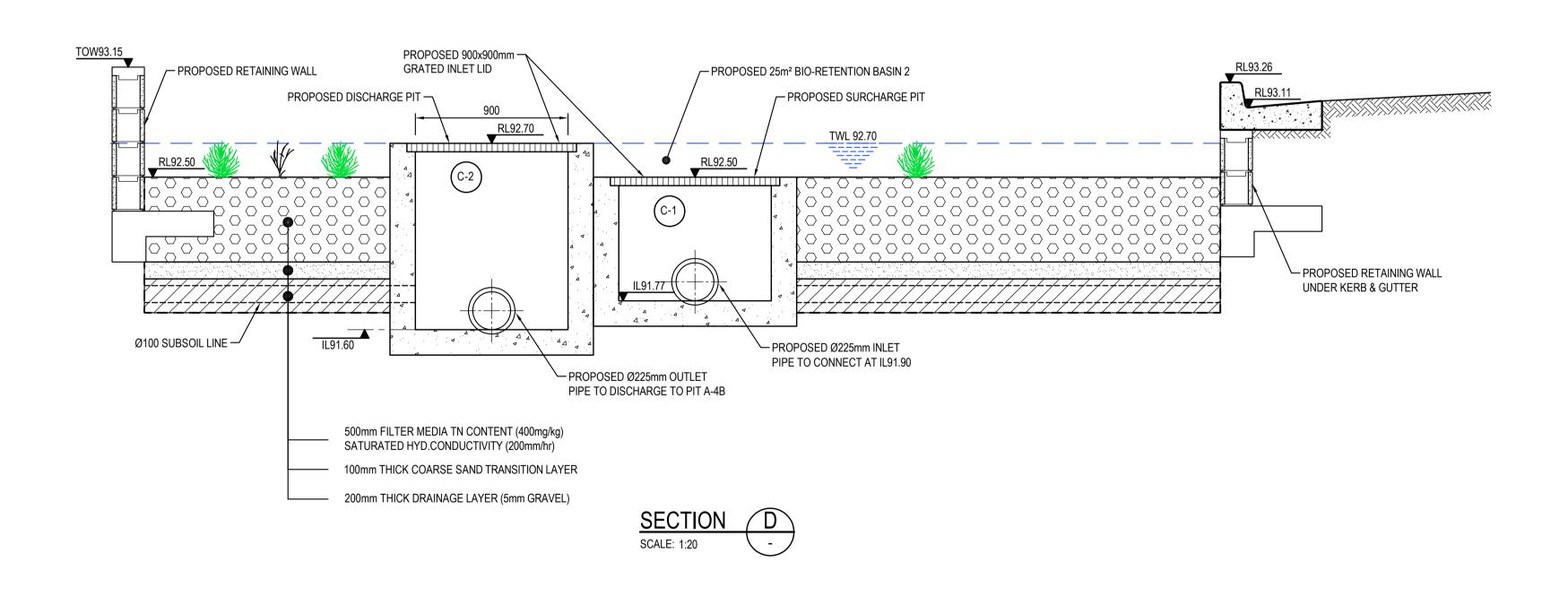


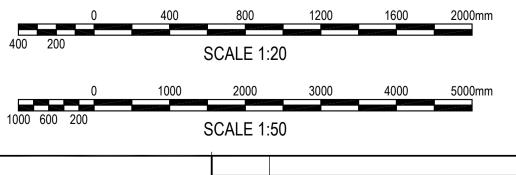












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PM 43321 RL 81.911	01	ISSUED FOR DA ONLY	IK	NH	17.07.2019						This drawing and design remains the property of Henry & Hymas and may not be
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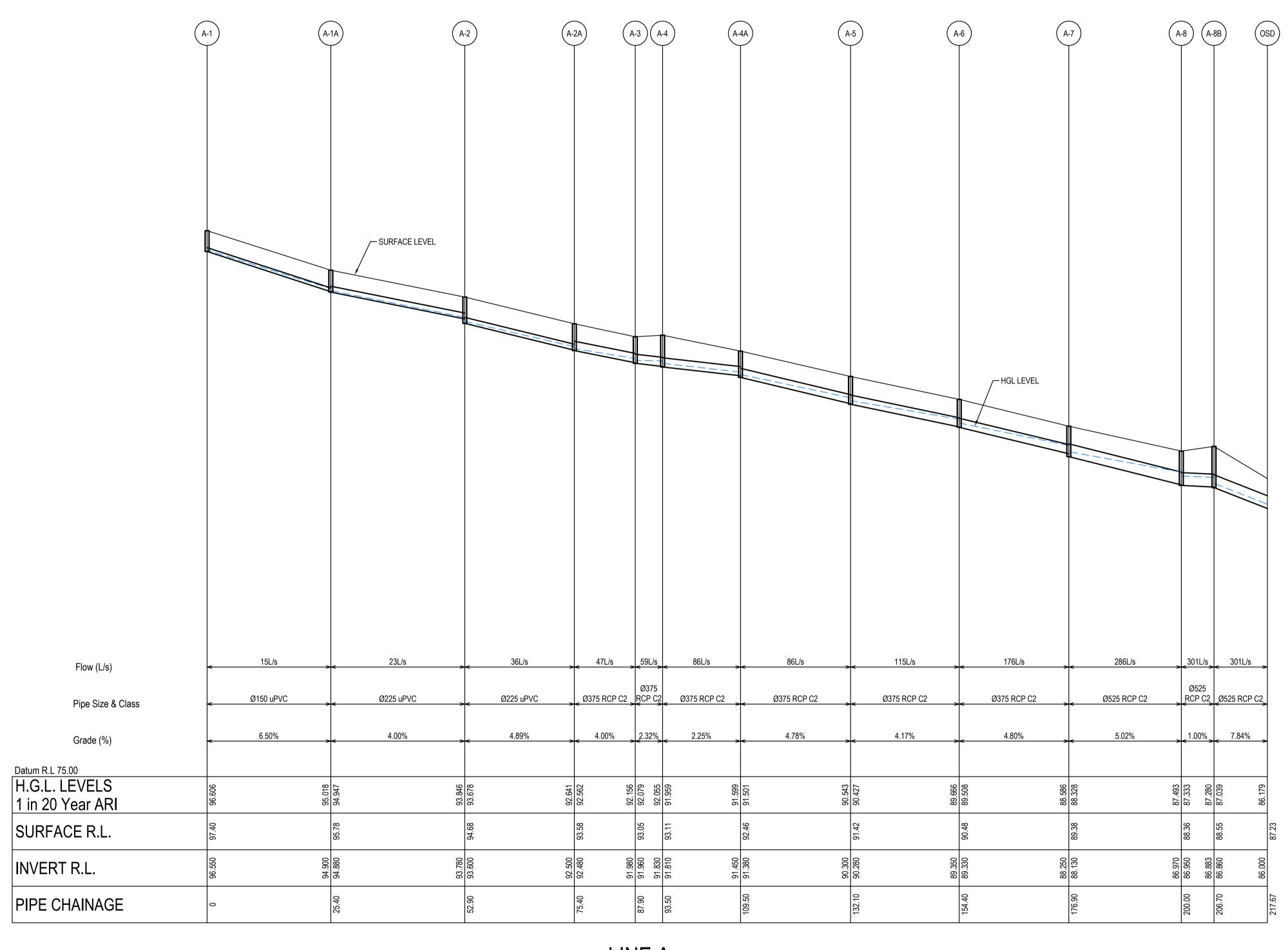
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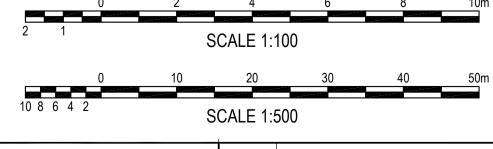
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PROPOSED CHURCH, MULTIPURPOSE HALL AND ELC
320 DWYER ROAD, LEPPINGTON, NSW
Title
BIO-RETENTION BASIN PLAN AND SECTION

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	Drawing number			Revision		
	N.Heazlewood	A.Francis	AS NOTE	ED		
	Checked	Approved	Scale @A1			
C	M.Stimova	L.Caha	JUNE 2019			
	Drawn	Designed	Date			
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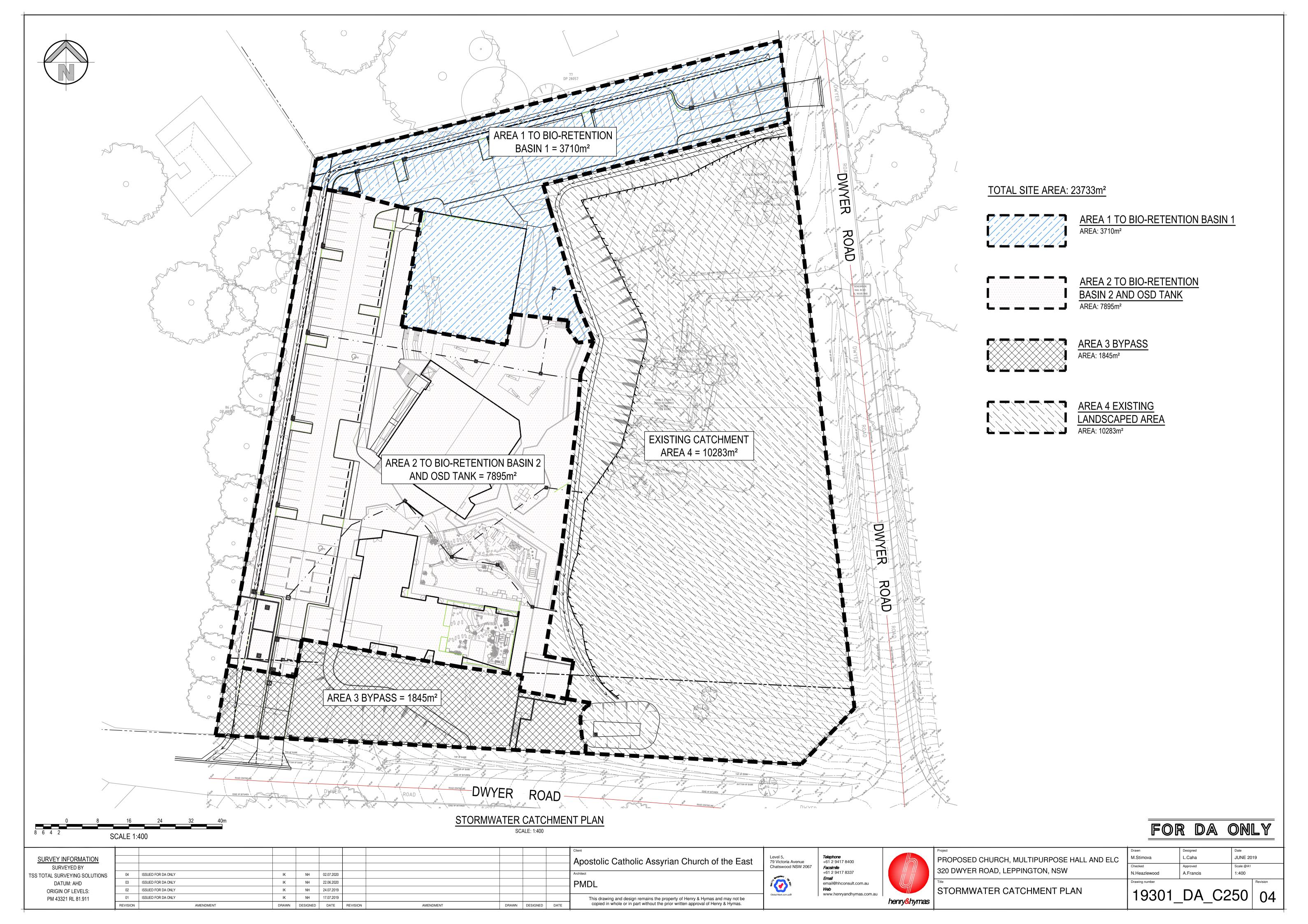
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email@hhconsult.com.au

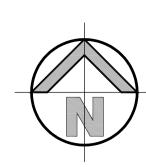
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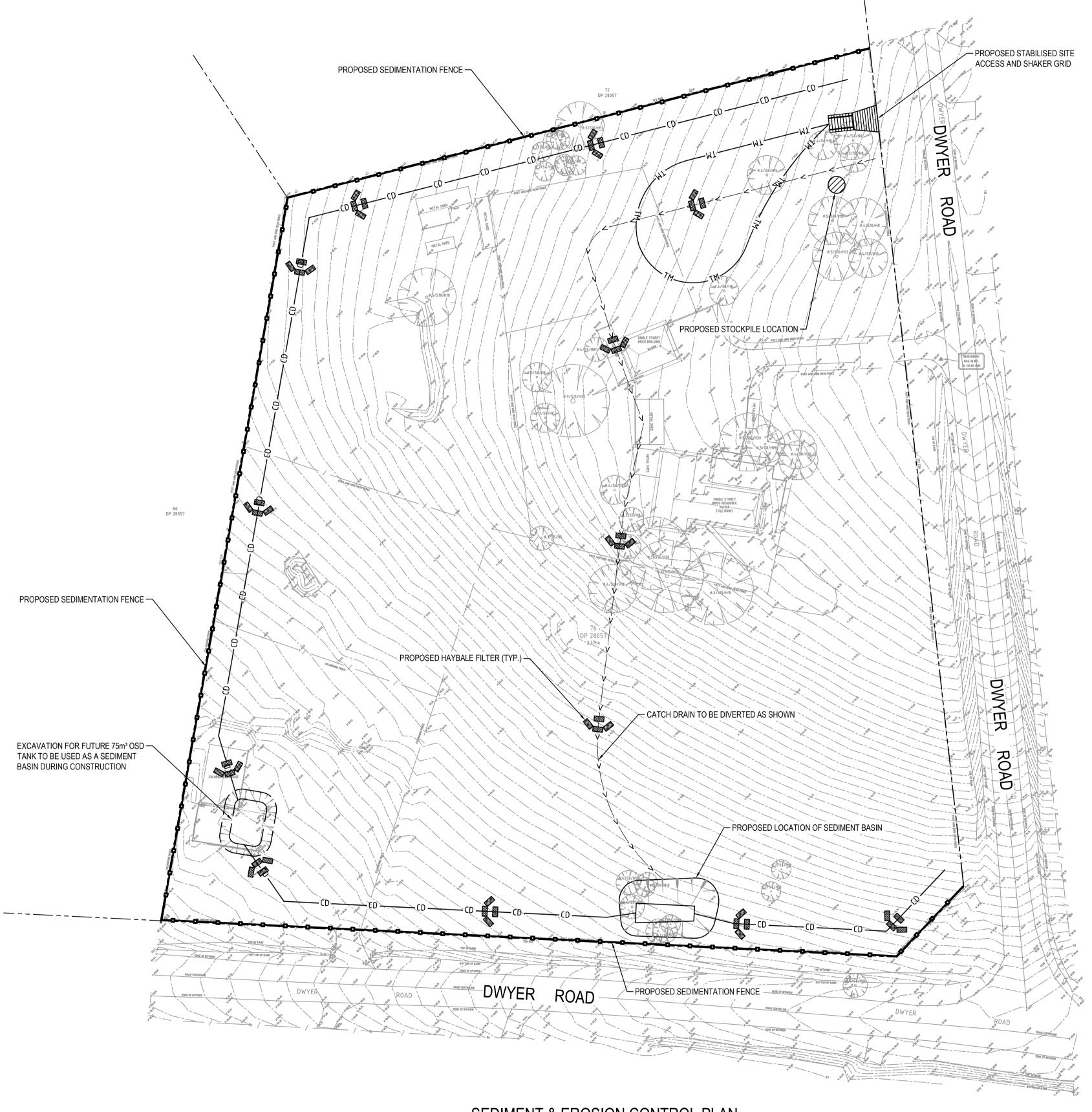
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Project
PROPOSED CHURCH, MULTIPURPOSE HALL AND ELC
320 DWYER ROAD, LEPPINGTON, NSW

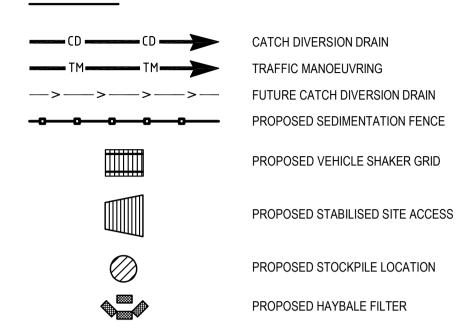
Title
STORMWATER LONGITUDINAL SECTIONS







## LEGEND



## SEDIMENT & EROSION CONTROL NOTES

- ALL SEDIMENT CONTROL DEVICES ARE TO BE CONSTRUCTED, PLACED AND MAINTAINED IN ACCORDANCE WITH RESPECTIVE COUNCIL SPECIFICATIONS AND LANDCOM'S "SOIL AND CONSTRUCTION" MANUAL.
- ALL PERIMETER & SILTATION CONTROL MEASURES ARE TO BE PLACED PRIOR TO, OR AS THE FIRST STEP IN EARTH WORKS AND/OR CLEARING.
- THE SEDIMENT & EROSION CONTROL PLAN MAY REQUIRE FUTURE ADJUSTMENT TO REFLECT CONSTRUCTION STAGING. IT IS ALSO THE CONTRACTORS RESPONSIBILTY TO PREPARE THEIR OWN SEDIMENT AND EROSION CONTROL PLAN WHICH SUITS THE DESIGNED CONSTRUCTION
- FILTRATION BUFFER ZONES ARE TO BE FENCED OFF AND ACCESS PROHIBITED TO ALL PLANT AND MACHINERY.
- ALL TEMPORARY EARTH BERMS, DIVERSIONS & SILT DAM EMBANKMENTS ARE TO BE MACHINE COMPACTED, SEEDED & MULCHED FOR TEMPORARY VEGETATION COVER AS SOON AS THEY HAVE BEEN FORMED.
- ALL SEDIMENT TRAPPING STRUCTURES AND DEVICES ARE TO BE INSPECTED AFTER STORMS FOR STRUCTURAL DAMAGE OR CLOGGING. TRAPPED MATERIAL IS TO BE REMOVED TO A SAFE LOCATION.
- ALL TOPSOIL IS TO BE STOCKPILED ON SITE FOR REUSE (AWAY FROM TREES) AND DRAINAGE LINES). MEASURES SHALL BE APPLIED TO PREVENT EROSION OF THE STOCKPILES.
- ALL EARTHWORK AREAS SHALL BE ROLLED EACH EVENING TO SEAL THE EARTHWORKS.
- ALL FILLS ARE TO BE LEFT WITH A LIP AT THE TOP OF THE SLOPE AT THE END. ALL CUT AND FILL SLOPES ARE TO BE SEEDED AND STRAW MULCHED WITHIN 14 DAYS OF COMPLETION OF FORMATION U.N.O. BY LANDSCAPE ARCHITECTS.
- UPON COMPLETION OF ALL EARTHWORKS OR AS DIRECTED BY COUNCIL SOIL CONSERVATION TREATMENTS SHALL BE APPLIED SO AS TO RENDER AREAS THAT HAVE BEEN DISTURBED, EROSION PROOF WITHIN 14 DAYS.
- EROSION AND SILT PROTECTION MEASURES ARE TO BE MAINTAINED AT ALL

# SEDIMENT & EROSION CONTROL PLAN

# FOR DA ONLY

SCALE 1:500 Apostolic Catholic Assyrian Church of the East **SURVEY INFORMATION** SURVEYED BY ISSUED FOR DA ONLY NH 02.07.2020 TSS TOTAL SURVEYING SOLUTIONS PMDL ISSUED FOR DA ONLY NH 22.06.2020 DATUM: AHD ISSUED FOR DA ONLY NH 24.07.2019 ORIGIN OF LEVELS: IK NH 17.07.2019 01 ISSUED FOR DA ONLY PM 43321 RL 81.911 This drawing and design remains the property of Henry & Hymas and may not be copied in whole or in part without the prior written approval of Henry & Hymas. DRAWN DESIGNED DATE REVISION AMENDMENT DRAWN DESIGNED DATE

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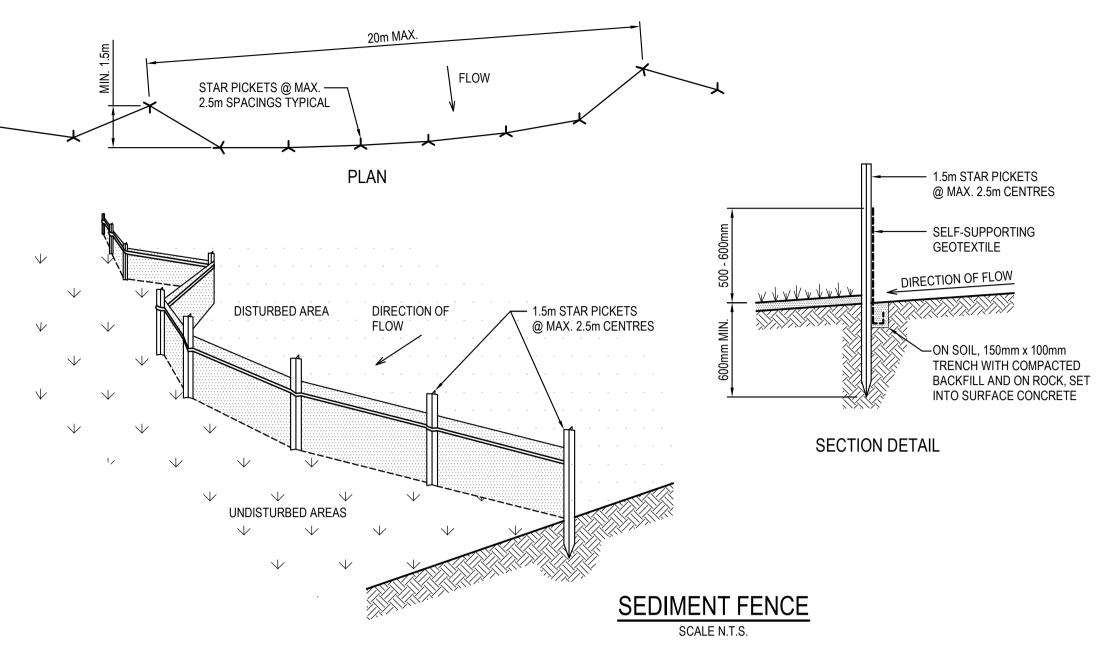
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PROPOSED CHURCH, MULTIPURPOSE HALL AND E 320 DWYER ROAD, LEPPINGTON, NSW

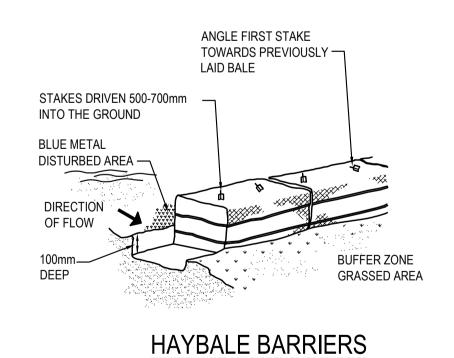
SEDIMENT & EROSION CONTROL PLAN

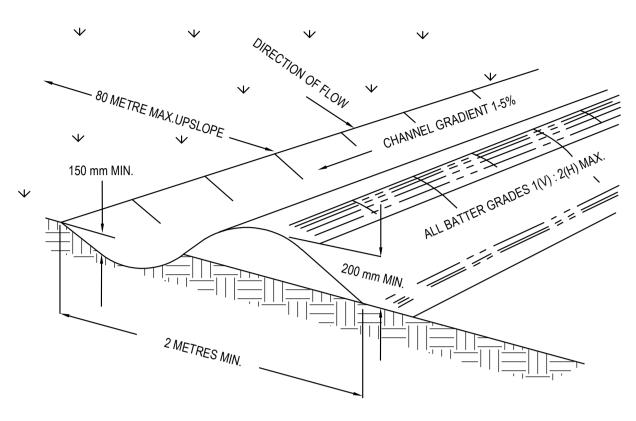
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	Drawing number	•	•	Revision
	N.Heazlewood	A.Francis	1:500	
ELC	Checked	Approved	Scale @A1	
	M.Stimova	L.Caha	JUNE 20	19
	Drawn	Designed	Date	



#### SEDIMENT FENCE CONSTRUCTION NOTES:

- 1. CONSTRUCT SEDIMENT FENCES AS CLOSE AS POSSIBLE TO BEING PARALLEL TO THE CONTOURS OF THE SITE, BUT WITH SMALL RETURNS AS SHOWN IN THE DRAWING TO LIMIT THE CATCHMENT AREA OF ANY ONE SECTION. THE CATCHMENT AREA SHOULD BE SMALL ENOUGH TO LIMIT WATER FLOW IF CONCENTRATED AT ONE POINT TO 50 LITRES PER SECOND IN THE DESIGN STORM EVENT, USUALLY THE 10-YEAR EVENT.
- 2. CUT A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
- 3. DRIVE 1.5m LONG STAR PICKETS INTO GROUND @ 2.5m INTERVALS (MAX.) AT THE DOWNSLOPE EDGE OF THE TRENCH. ENSURE ANY STAR PICKETS ARE FITTED WITH SAFETY CAPS.
- 4. 4. FIX SELF-SUPPORTING GEOTEXTILE TO THE UPSLOPE SIDE OF THE POSTS ENSURING IT GOES TO THE BASE OF THE TRENCH. FIX THE GEOTEXTILE WITH WIRE TIES OR AS RECOMMENDED BY THE MANUFACTURER. ONLY USE GEOTEXTILE SPECIFICALLY PRODUCED FOR SEDIMENT FENCING. THE USE OF SHADE CLOTH FOR THIS PURPOSE IS NOT SATISFACTORY.
- 5. JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP. 6. BACKFILL THE TRENCH OVER THE BASE OF THE FABRIC AND COMPACT IT THOROUGHLY OVER THE GEOTEXTILE.



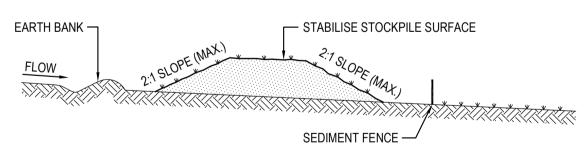


NOTE: ONLY TO BE USED AS TEMPORARY BANK WHERE MAC.UPSLOPE LENGTH IS 80 METERS.

#### CATCH DRAIN CONSTRUCTION NOTES:

- CONSTRUCT ALONG GRADIENT AS SPECIFIED. MAXIMUM SPACING BETWEEN BANKS SHALL BE 80 METRES.
- DRAINS TO BE OF PARABOLIC OR TRAPEZOIDAL CROSS SECTION NOT V-SHAPED.
- EARTH BANKS TO BE ADEQUATELY COMPACTED IN ORDER TO PREVENT FAILURE.
- CONSTRUCTION IS OF A TEMPRORARY NATURE AND SHALL BE COMPACTED AT THE END A DAYS WORK OR IMMEDIATELY PRIOR RAIN.
- ALL OUTLETS FROM DISTURBED LANDS ARE TO FEED INTO SEDIMENT BASIN OR SIMILAR.
- DISCHARGE RUNOFF COLLECTED FROM UNDISTURBED LANDS ONTO EITHER A STABILISED OR AN UNDISTURBED DISPOSAL AISTE WITHIN THE SAME SUBCATCHMENT AREA FROM WHICH THE WATER ORIGINATED.
- COMPACT WITH A SUITABLE IMPLEMENT IN SITUATIONS WHERE THEY ARE REQUIRED TO FUNCTION FOR MORE
- 9. EARTH BANKS TO BE FREE OF PROJECTIONS OR OTHER IRREGULARITIES THAT WILL IMPEDE NORMAL FLOW.

CATCH DRAINS SD 5-8



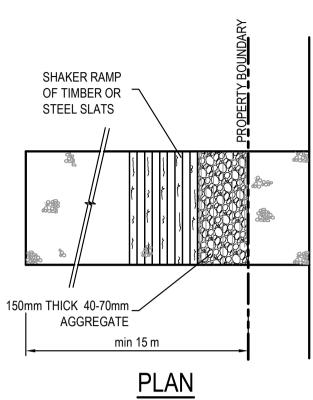
#### STOCKPILE CONSTRUCTION NOTES

1. PLACE STOCKPILES MORE THAN 2 (PREFERABLY 5) METRES FROM EXISTING VEGETATION, CONCENTRATED WATER FLOW, ROADS AND HAZARD AREAS. 2. CONSTRUCT ON THE CONTOUR AS LOW, FLAT, ELONGATED MOUNDS.

3. WHERE THERE IS SUFFICIENT AREA, TOPSOIL STOCKPILES SHALL BE LESS THAN 2 METRES IN HEIGHT. 4. WHERE THEY ARE TO BE PLACED FOR MORE THAN 10 DAYS, STABILISE FOLLOWING THE APPROVED E.S.C.P. OR S.W.M.P. TO REDUCE THE C-FACTOR TO LESS THAN 0.10.

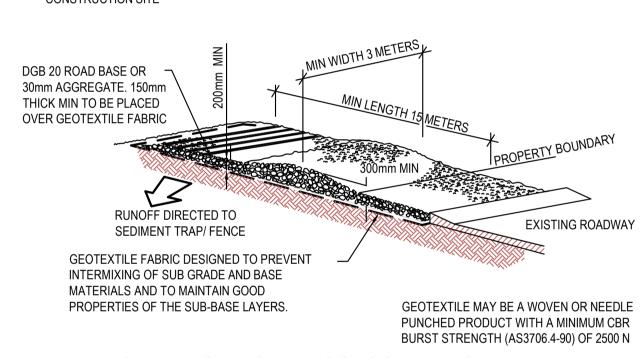
5. CONSTRUCT EARTH BANKS ON THE UPSLOPE SIDE TO DIVERT WATER AROUND STOCKPILES AND SEDIMENT FENCES 1 TO 2 METRES DOWNSLOPE.

SCALE N.T.S.



STABILISED SITE ACCESS WITH SHAKER RAMP

CONSTRUCTION SITE



## STABILISED SITE ACCESS WITH SHAKER RAMP

NOTES:

- 1. THIS DEVICE IS TO BE LOCATED AT ALL EXITS FROM CONSTRUCTION SITE.
- 2. THIS DEVICE IS TO BE REGULARLY CLEANED OF DEPOSITED MATERIAL SO AS TO MAINTAIN A 50mm DEEP SPACE BETWEEN PLANKS.
- 3. ANY UNSEALED ROAD BETWEEN THIS DEVICE AND NEAREST ROADWAY IS TO BE TOPPED WITH 100mm THICK 40-70mm SIZE AGGREGATE.
- 4. ALTERNATIVELY, THREE(3) PRECAST CONCRETE CATTLE GRIDS (AS MANUFACTURED BY "HUMES CONCRETE MAY BE USED. 1, 2 & 3 ABOVE ALSO APPLY.

# FOR DA ONLY

JUNE 2019

Scale @A1

NTS

SURVEY INFORMATION Apostolic Catholic Assyrian Church of the East SURVEYED BY TSS TOTAL SURVEYING SOLUTIONS ISSUED FOR DA ONLY NH 22.06.2020 PMDL DATUM: AHD ISSUED FOR DA ONLY NH 24.07.2019 ORIGIN OF LEVELS: ISSUED FOR DA ONLY NH 17.07.2019 PM 43321 RL 81.911 This drawing and design remains the property of Henry & Hymas and may not be copied in whole or in part without the prior written approval of Henry & Hymas. DRAWN DESIGNED DATE REVISION AMENDMENT AMENDMENT DRAWN DESIGNED DATE

Chatswood NSW 2067

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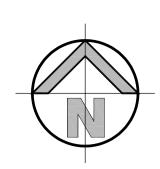
PROPOSED CHURCH, MULTIPURPOSE HALL AND ELC 320 DWYER ROAD, LEPPINGTON, NSW SEDIMENT & EROSION CONTROL DETAILS

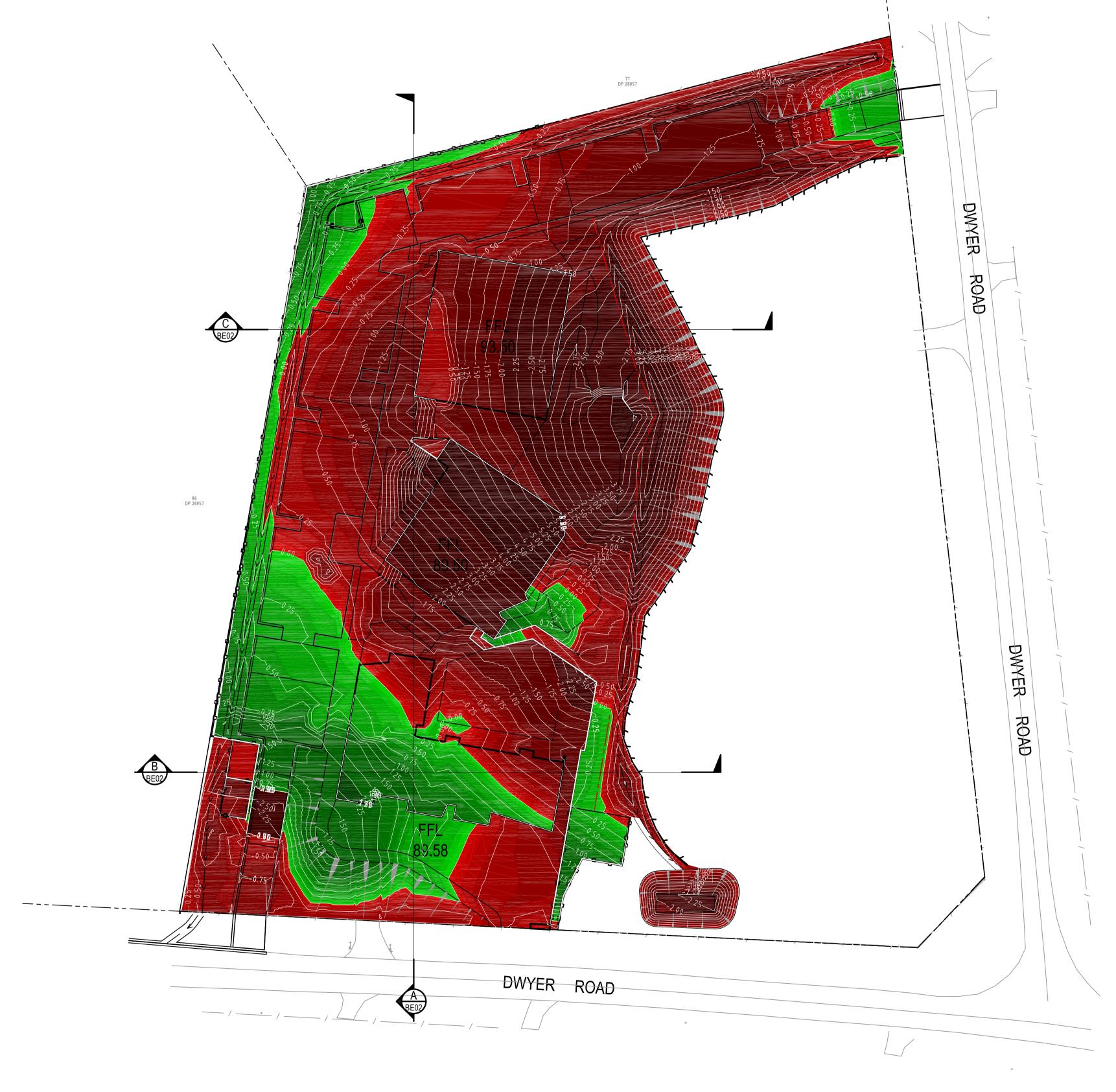
A.Francis N.Heazlewood

M.Stimova

19301\_DA\_SE02 03

L.Caha





## **LEGEND**

— - - — - - — EXISTING BOUNDARY ------0.50 DEPTH CONTOUR FOR FILL -0.50 DEPTH CONTOUR FOR CUT

	I RANGE value Up	pper_value	Colour	
-6	to	-4	Meters	
-4	to	-2	Meters	
-2	to	-1	Meters	
-1	to	8	Meters	
8	to	6	Meters	
6	to	4	Meters	
4	to	2	Meters	
2	to	1	Meters	
1	to	05	Meters	
05	to	.0	Meters	
.0	to	.05	Meters	
.05	to	.1	Meters	
.1	to	.2	Meters	
.2	to	.4	Meters	
.4	to	.6	Meters	
.6	to	.8	Meters	
.8	to	1	Meters	
1	to	2	Meters	
2	to	4	Meters	
4	to	6	Meters	

## **EARTHWORKS QUANTITIES**

(APPROXIMATE ONLY)
NOT TO BE USED FOR CONTRACTUAL PURPOSES. TENDERERS TO DETERMINE VOLUMES USING THEIR OWN METHOD OF CALCULATION.

- EARTHWORKS QUANTITIES -						
TOTAL AREA (1.50 ha)						
CUT	15000m³					
FILL	2050m³					
EXCESS OF CUT	12950m³					

TOPSOIL STRIPPING "100mm" OF 1495m3 NOT INCLUDED IN CALCULATION EXCAVATION FOR SERVICE TRENCHES NOT INCLUDED IN CALCULATION EXCAVATION FOR RETAINING WALLS NOT INCLUDED IN CALCULATION

# CUT AND FILL PLAN

5	CALE 1:	500										
SURVEY INFORMATION SURVEYED BY											ASSYRIAN SCHOOL LTD	Lev 79 '
TSS TOTAL SURVEYING SOLUTIONS	04	ISSUED FOR DA	LC	LC	22.06.2020						Architect	1
DATUM: AHD	03	ISSUED FOR DA	LC	LC	28.05.2020						PMDL	Ome //I
ORIGIN OF LEVELS:	02	ISSUED FOR DA	IK	NH	27.07.2019							
PM 43321 RL 81.911	01	ISSUED FOR DA	IK	NH	17.07.2019						This drawing and design remains the property of Henry & Hymas and may not be	Globa
	REVISION	AMENDMENT	DRAWN	DESIGNED	DATE	REVISION	AMENDMENT	DRAWN	DESIGNED	DATE	copied in whole or in part without the prior written approval of Henry & Hymas.	

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REVISIO		PROGI	RESS
PROPOSED EARLY LEARNING CENTRE AND CHURCH	Drawn M.Stimova	Designed L.Caha	Date JUNE 2019
20 DWYER ROAD, LEPPINGTON, NSW	Checked N.Heazlewood	Approved A.Francis	Scale @A1 1:500

BULK EARHTWORKS

JUNE 2019 A.Francis 1:500 19301\_DA\_BE01 04

