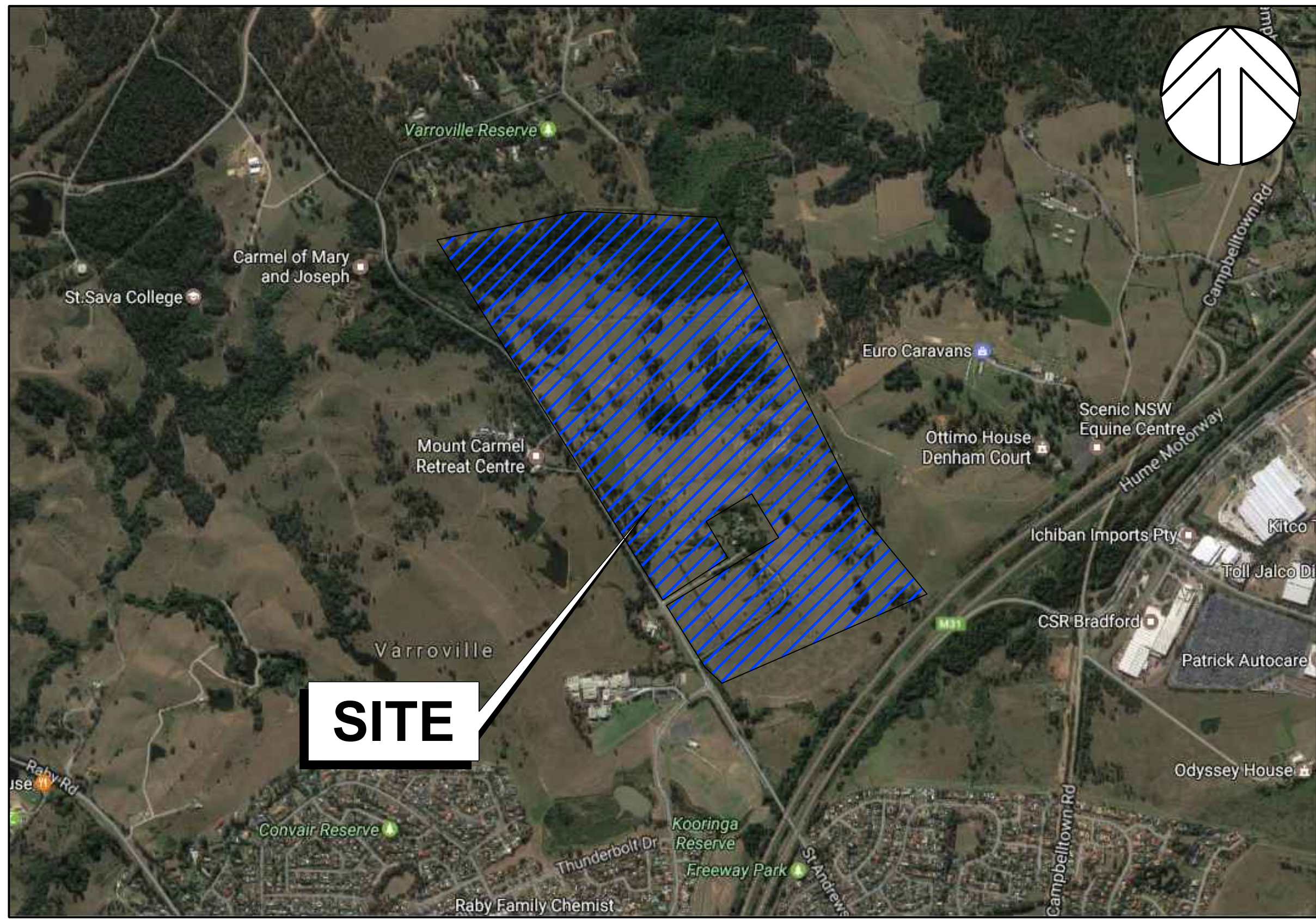


MACARTHUR MEMORIAL PARK

DEVELOPMENT APPLICATION

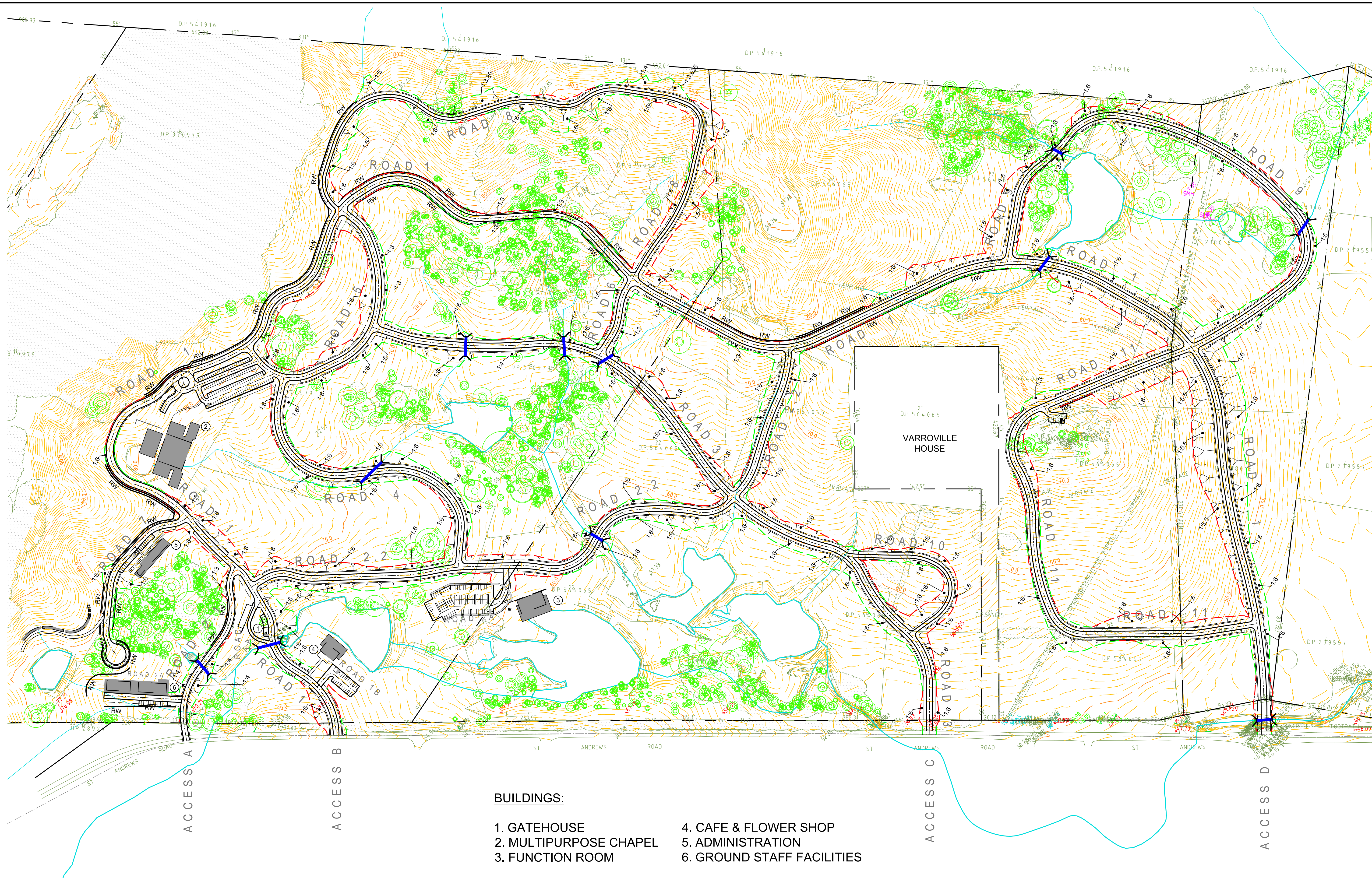


LOCALITY AERIAL
NOT TO SCALE

SOURCE : GOOGLE EARTH

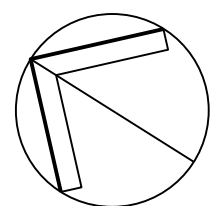
DRAWING SCHEDULE		
DRG No.	DRAWING TITLE	REV.
C1.00 Arrangement and Overview Plans		
C1.01	Cover Sheet	1
C1.03	General Arrangement Plan	1
C4.00 Siteworks Plans		
C4.01	Soil and Water Management Plan	1
C4.02	Soil and Water Management Details	1
C7.00 Stormwater Drainage		
C7.01	Stormwater Key Plan	1
C7.02	Stormwater Layout Plan Sheet 1 of 15	1
C7.03	Stormwater Layout Plan Sheet 2 of 15	1
C7.04	Stormwater Layout Plan Sheet 3 of 15	1
C7.05	Stormwater Layout Plan Sheet 4 of 15	1
C7.06	Stormwater Layout Plan Sheet 5 of 15	1
C7.07	Stormwater Layout Plan Sheet 6 of 15	1
C7.08	Stormwater Layout Plan Sheet 7 of 15	1
C7.09	Stormwater Layout Plan Sheet 8 of 15	1
C7.10	Stormwater Layout Plan Sheet 9 of 15	1
C7.11	Stormwater Layout Plan Sheet 10 of 15	1
C7.12	Stormwater Layout Plan Sheet 11 of 15	1
C7.13	Stormwater Layout Plan Sheet 12 of 15	1
C7.14	Stormwater Layout Plan Sheet 13 of 15	1
C7.15	Stormwater Layout Plan Sheet 14 of 15	1
C7.16	Stormwater Layout Plan Sheet 15 of 15	1
C7.17	Stormwater Pit Schedule Sheet 1 of 5	1
C7.18	Stormwater Pit Schedule Sheet 2 of 5	1
C7.19	Stormwater Pit Schedule Sheet 3 of 5	1
C7.20	Stormwater Pit Schedule Sheet 4 of 5	1
C7.21	Stormwater Pit Schedule Sheet 5 of 5	1

CLIENT CATHOLIC METROPOLITAN CEMETERIES TRUST	Warren Smith & Partners Pty Ltd A 1st Floor, 123 Clarence Street, Sydney 2000 NSW Australia T 02 9299 1312 F 02 9290 1295 E wsp@warrensmith.com.au ABN 36 300 430 126 SERVING THE CONSTRUCTION INDUSTRY SINCE 1981 Q QUALITY ASSURED COMPANY ISO 9001 International Standards Certification Lic: QAC/R61/0771					TITLE COVER SHEET					
						PROJECT MANAGER URBIS	SCALE AS SHOWN	DRAWN M.C.Z.	DESIGNED N.M.	CHECKED N.M.	APPROVED M.C.
						ARCHITECT FJMT	JOB No. 5162001	DRAWING No. C1.01		ISSUE 1	
DATE AUG 2017					STATUS DEVELOPMENT APPLICATION						



BUILDINGS:

- | | |
|------------------------|----------------------------|
| 1. GATEHOUSE | 4. CAFE & FLOWER SHOP |
| 2. MULTIPURPOSE CHAPEL | 5. ADMINISTRATION |
| 3. FUNCTION ROOM | 6. GROUND STAFF FACILITIES |



NORTH

20 0 20 40 60 80 100m
PLAN SCALE 1:2000 A1 SHEET

REVISION	AMENDMENT	DATE
1	DEVELOPMENT APPLICATION	24/08/17

REVISION	AMENDMENT	DATE

CLIENT

Core, Compassion, Choice

PROJECT
MACARTHUR MEMORIAL PARK

PREPARED BY

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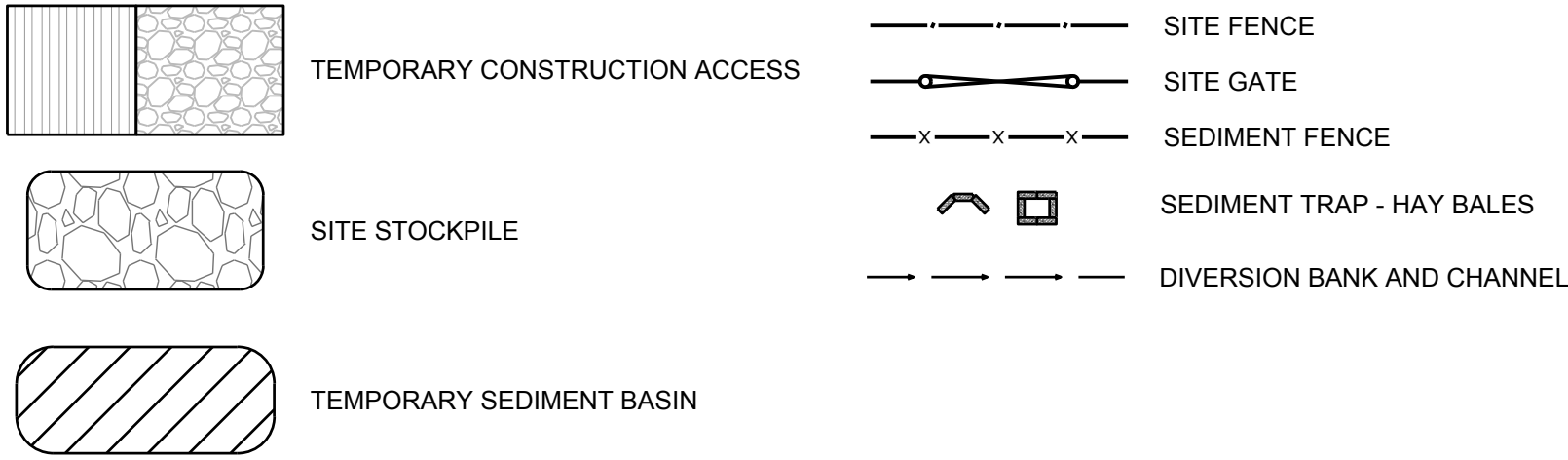
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GENERAL ARRANGEMENT PLAN				
SCALE AS SHOWN	DRAWN J.W.	DESIGNED C.S.	CHECKED N.M.	APPROVED M.C.
JOB No. 5162001		DRAWING No. C1.03		ISSUE 1
DATE AUG 2017		STATUS DEVELOPMENT APPLICATION		

SEDIMENT BASIN VOLUME TABLE

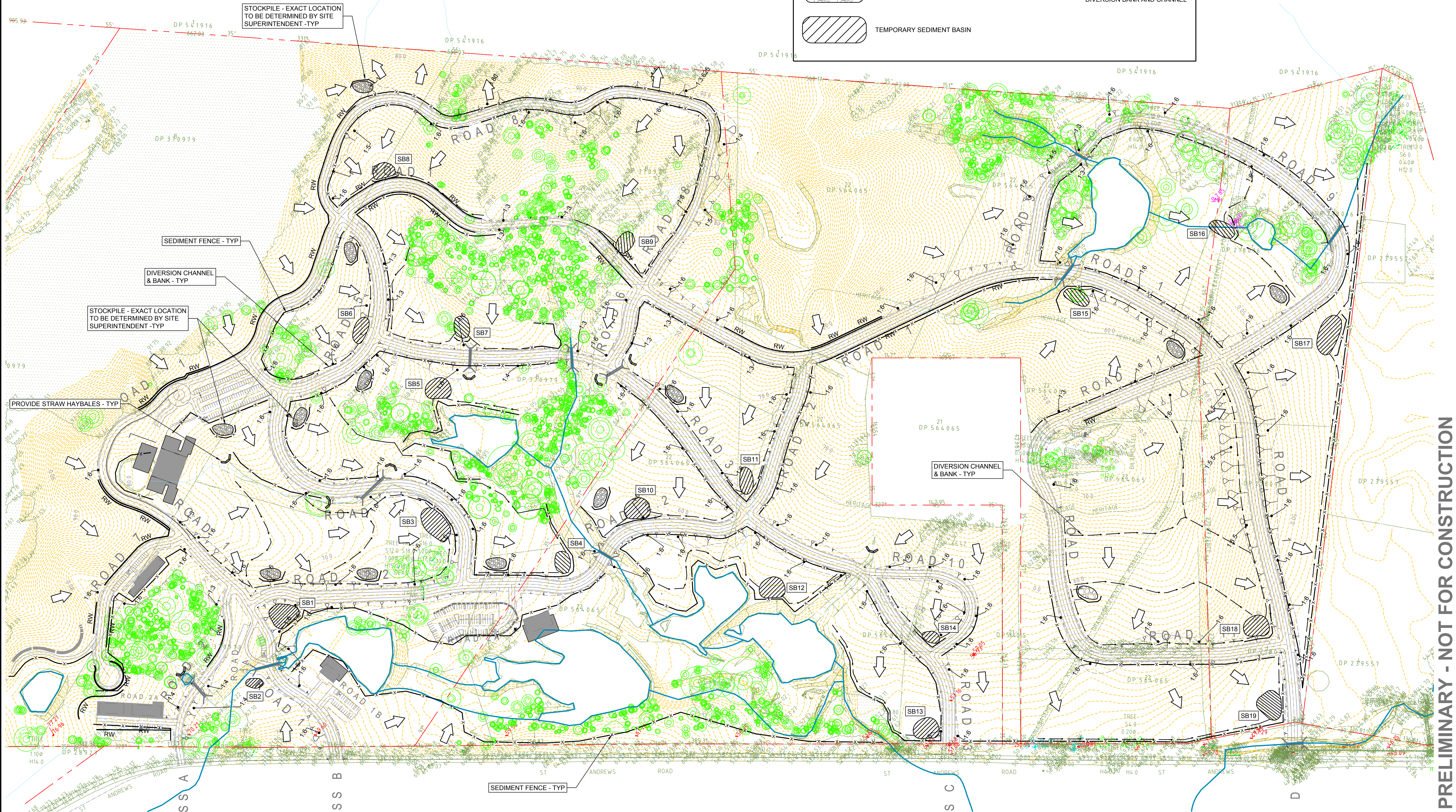
Basin No.	SB1	SB2	SB3	SB4	SB5	SB6	SB7	SB8	SB9	SB10	SB11	SB12	SB13	SB14	SB15	SB16	SB17	SB18	SB19
Total Volume (cu.m.)	717	125	2246	556	260	896	448	663	448	412	860	592	233	215	627	2241	1076	1040	699

LEGEND



NOTES:

1. ALL SEDIMENT BASINS DESIGNED TO 5 DAY 80TH PERCENTILE RAINFALL EVENT.
2. EMERGENCY CREST & SPILLWAY TO BE MIN. 2.5m WIDE AND MIN. 750mm FREEBOARD BELOW TOP OF EMBANKMENT.
3. RELOCATE SEDIMENT FENCE & EROSION PROTECTION MEASURES AS THE WORK PROGRESSES THROUGH THE DIFFERENT STAGES OF THE WORK.



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NORTH

20 0 20 40 60 80 100m

PLAN SCALE 1:2000 A1 SHEET

REVISION	AMENDMENT	DATE	REVISION	AMENDMENT	DATE	CLIENT
1	DEVELOPMENT APPLICATION	24/08/17				Catholic Cemeteries & Crematoria Core, Compassion, Choice

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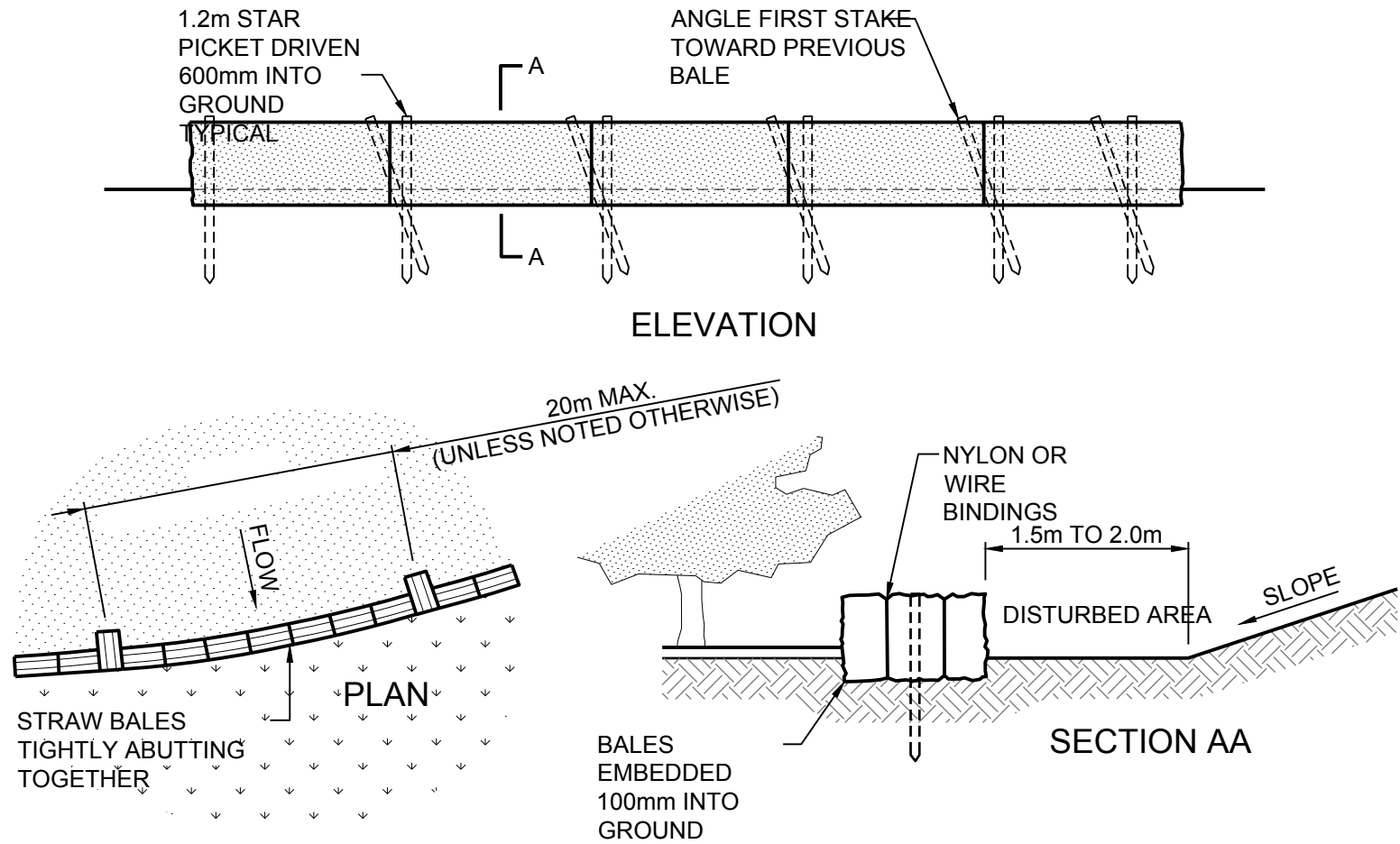
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TITLE

SOIL AND WATER MANAGEMENT PLAN

SCALE	AS SHOWN	DRAWN	J.W.	DESIGNED	J.W.	CHECKED	N.M.	APPROVED	M.C.
JOB No.	5162001	DRAWING No.	C4.01	ISSUE	1				
DATE	AUG 2017	STATUS							DEVELOPMENT APPLICATION

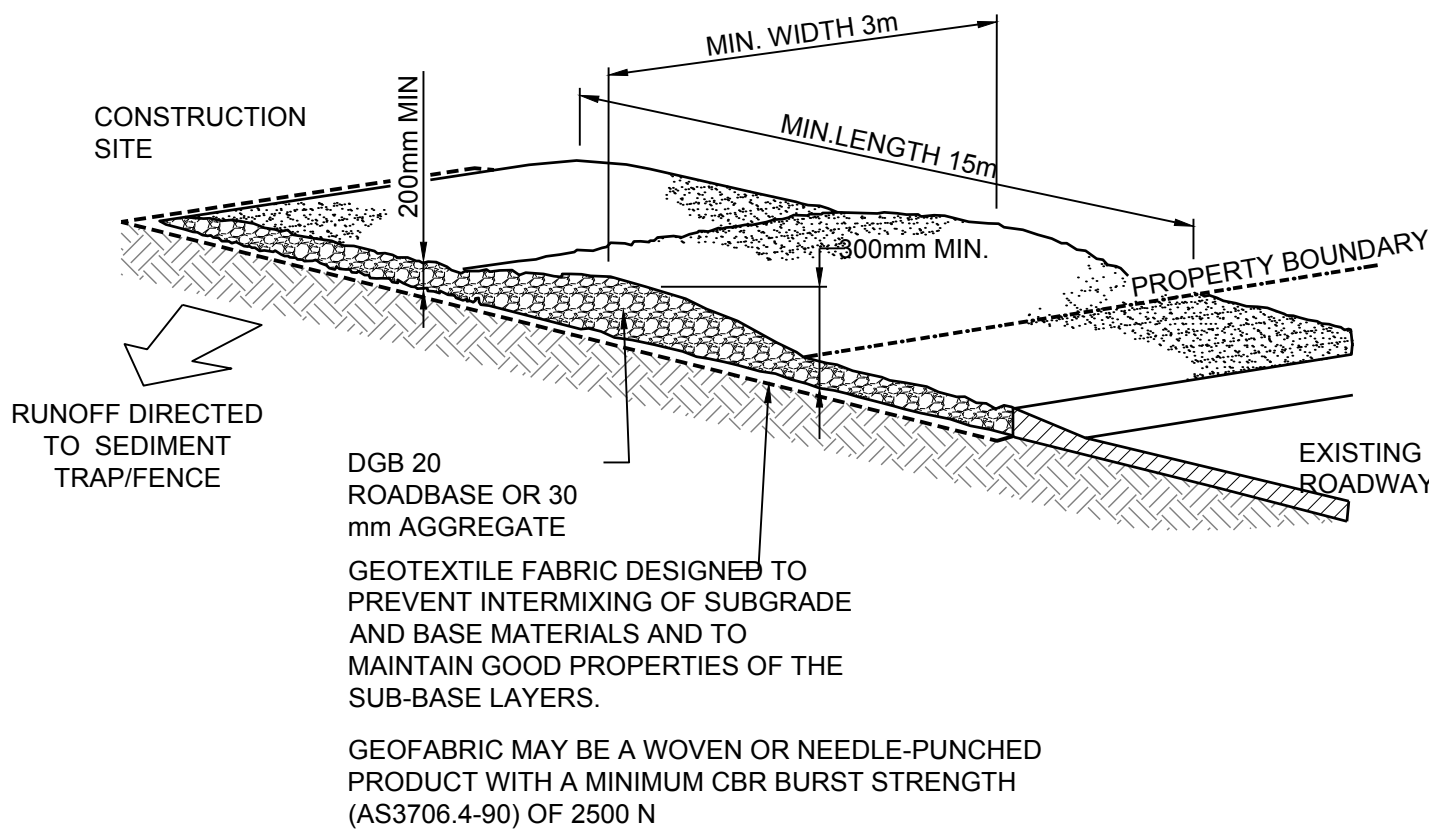


CONSTRUCTION NOTES:

- 1. CONSTRUCT THE STRAW BALE FILTER AS CLOSE AS POSSIBLE TO BEING PARALLEL TO THE CONTOURS OF THE SITE.
- 2. PLACE BALES LENGTHWISE IN A ROW WITH ENDS TIGHTLY ABUTTING. USE STRAW TO FILL ANY GAPS BETWEEN BALES. STRAWS ARE TO BE PLACED PARALLEL TO GROUND.
- 3. ENSURE THAT THE MAXIMUM HEIGHT OF THE FILTER IS ONE BALE.
- 4. EMBED EACH BALE IN THE GROUND 75mm TO 100mm AND ANCHOR WITH TWO 1.2m STAR PICKETS OR STAKES. ANGLE THE FIRST STAR PICKET OR STAKE IN EACH BALE TOWARDS THE PREVIOUSLY LAID BALE. DRIVE THEM 600mm INTO THE GROUND AND, IF POSSIBLE, FLUSH WITH THE TOP OF THE BALES. WHERE STAR PICKETS ARE USED AND THEY PROTRUDE ABOVE THE BALES, ENSURE THEY ARE FITTED WITH SAFETY CAPS.
- 5. WHERE STRAW BALE FILTER IS CONSTRUCTED DOWNSLOPE FROM A DISTURBED BATTER, ENSURE THE BALES ARE PLACED 1.0m TO 2.0m DOWNSLOPE FROM THE TOE.
- 6. ESTABLISH A MAINTENANCE PROGRAMME THAT ENSURES THE INTEGRITY OF THE BALES IS RETAINED - THEY COULD REQUIRE REPLACEMENT EACH TWO TO FOUR MONTHS.

STRAW BALE FILTER DETAIL

NOT TO SCALE

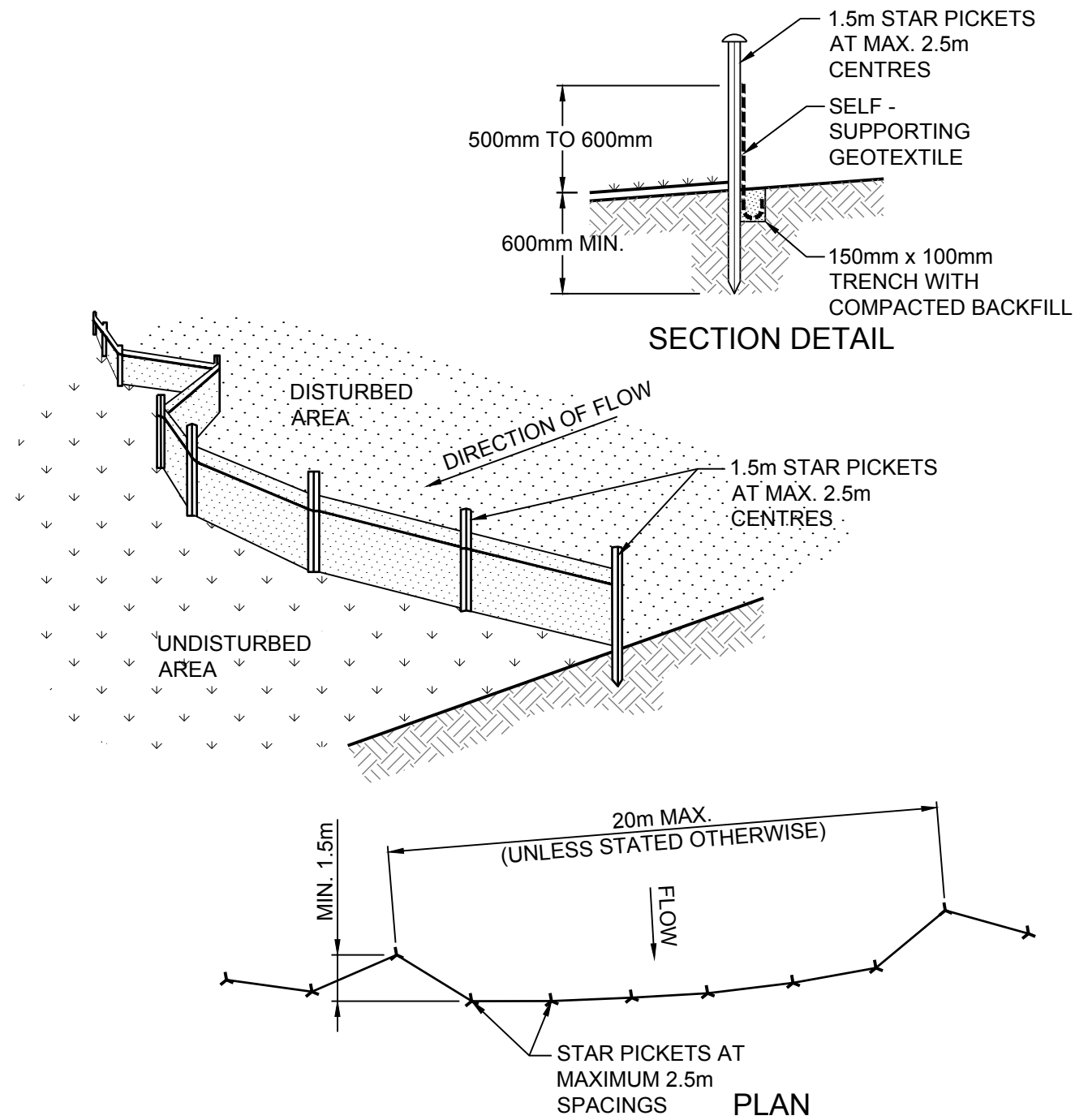


CONSTRUCTION NOTES:

- 1. STRIP THE TOPSOIL, LEVEL THE SITE AND COMPACT THE SUBGRADE.
- 2. COVER THE AREA WITH NEEDLE-PUNCHED GEOTEXTILE.
- 3. CONSTRUCT A 200mm THICK PAD OVER THE GEOTEXTILE USING ROAD BASE OR 30mm AGGREGATE.
- 4. ENSURE THE STRUCTURE IS AT LEAST 15m LONG OR TO BUILDING ALIGNMENT AND AT LEAST 3m WIDE.
- 5. WHERE A SEDIMENT FENCE JOINS ONTO THE STABILISED ACCESS, CONSTRUCT A HUMP IN THE STABILISED ACCESS TO DIVERT WATER TO THE SEDIMENT FENCE.

STABILISED SITE ACCESS DETAIL

NOT TO SCALE

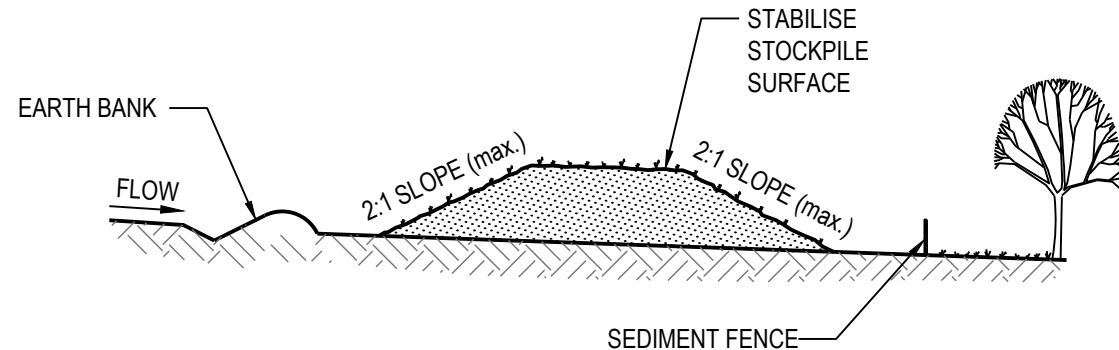


CONSTRUCTION NOTES:

- 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 1.5 METRE LONG STAR PICKETS INTO THE GROUND AT 2.5 METRE INTERVALS (MAX) AT THE DOWNSLOPE EDGE OF THE TRENCH. ENSURE ANY STAR PICKETS ARE FITTED WITH SAFETY CAPS.
- 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 150-mm OVERLAP.
- 6. BACKFILL THE TRENCH OVER THE BASE OF THE FABRIC AND COMPACT IT THOROUGHLY OVER THE GEOTEXTILE.

SEDIMENT FENCE DETAIL

NOT TO SCALE

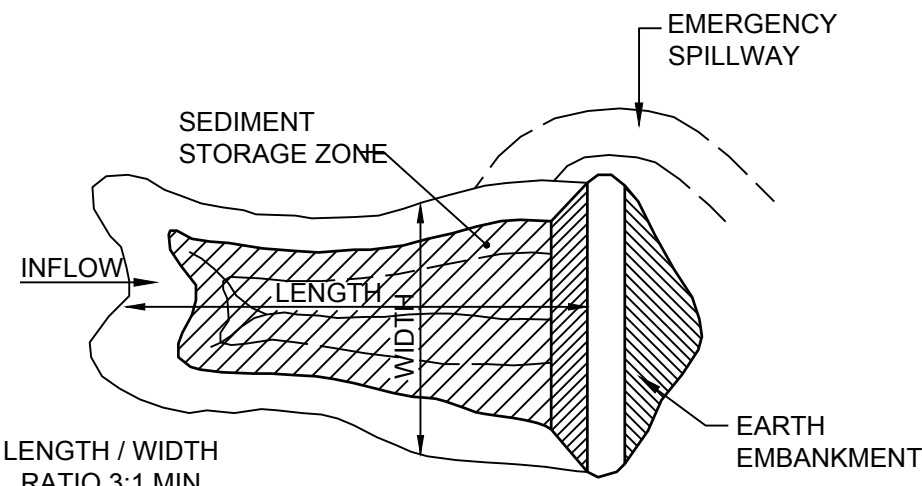


NOTES:

- 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 IN PLACE FOR MORE THAN 10 DAYS, STABILISE FOLLOWING THE APPROVED ESCP OR SWMP 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.

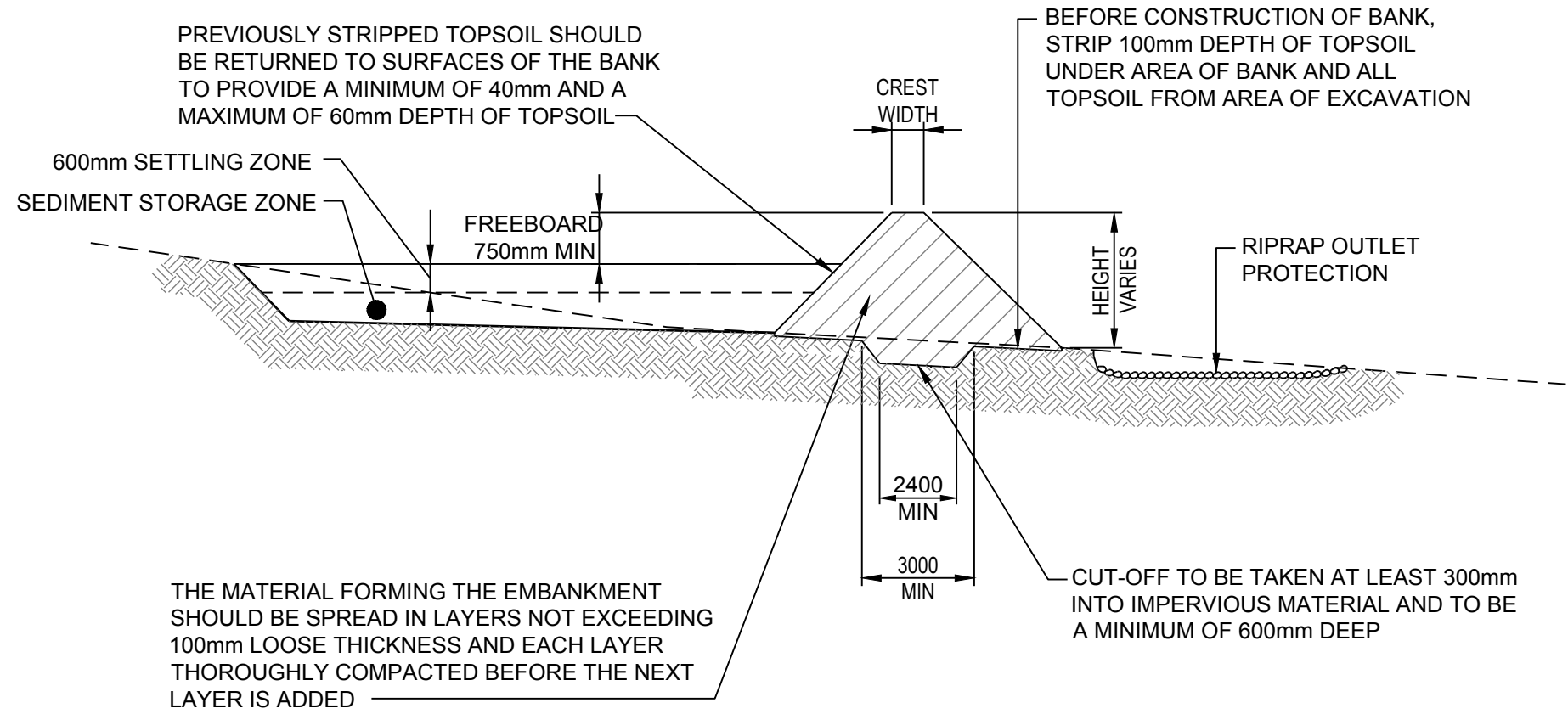
STOCKPILE

NOT TO SCALE



SEDIMENT BASIN (TYPICAL) PLAN - TYPE D AND F SOILS

NOT TO SCALE



SEDIMENT BASIN (TYPICAL) CROSS SECTION - TYPE D AND F SOILS

NOT TO SCALE

CONSTRUCTION NOTES

- 1. REMOVE ALL VEGETATION AND TOPSOIL FROM UNDER THE DAM WALL AND FROM WITHIN THE STORAGE AREA.
- 2. CONSTRUCT A CUT-OFF TRENCH 500mm DEEP AND 1200mm WIDE ALONG THE CENTRELINE OF THE EMBANKMENT TO A POINT ON THE GULLY WALL LEVEL WITH THE RISER CREST.
- 3. MAINTAIN THE TRENCH FREE OF WATER AND RECOMPACT THE MATERIALS WITH EQUIPMENT AS SPECIFIED IN THE SWMP TO 95% STANDARD PROCTOR DENSITY.
- 4. SELECT FILL FOLLOWING THE SWMP THAT IS FREE OF ROOTS, WOOD, ROCK, LARGE STONE OR FOREIGN MATERIAL.
- 5. PREPARE THE SITE UNDER THE EMBANKMENT BY RIPPING TO AT LEAST 100mm TO HELP BOND COMPACTED FILL TO SUBSTRATE.
- 6. SPREAD THE FILL IN 100mm TO 150mm LAYERS AND COMPACT IT AT OPTIMUM MOISTURE CONTENT FOLLOWING THE SWMP.
- 7. CONSTRUCT THE EMERGENCY SPILLWAY.
- 8. REHABILITATE THE STRUCTURE FOLLOWING SWMP.

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REVISION	AMENDMENT	DATE	REVISION	AMENDMENT	DATE
1	DEVELOPMENT APPLICATION	24/08/17			

Catholic Cemeteries & Crematoria
Core, Compassion, Choice

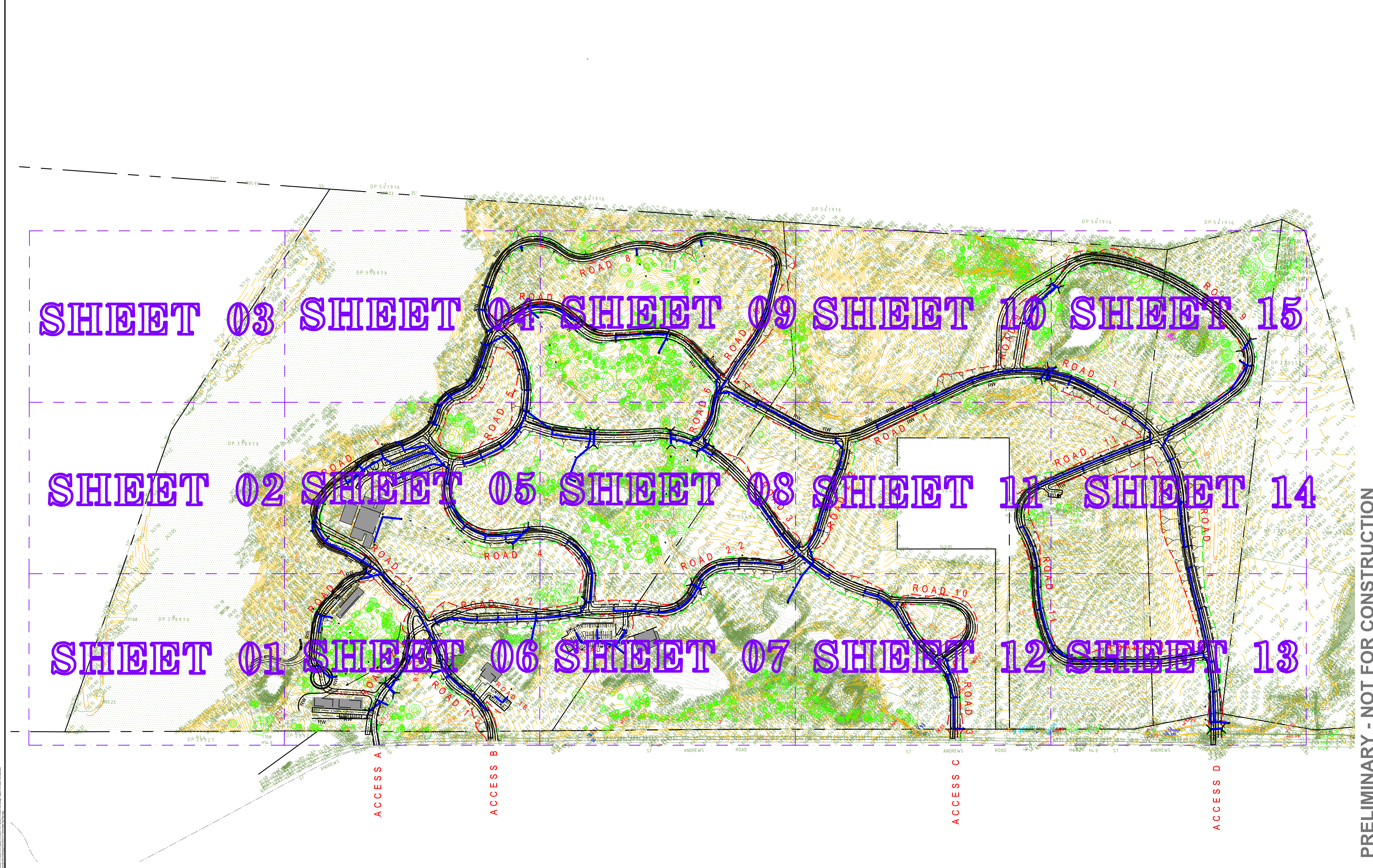
PROJECT
MACARTHUR MEMORIAL PARK

PREPARED BY
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TITLE				
SOIL AND WATER MANAGEMENT DETAILS				
SCALE AS SHOWN	DRAWN J.W.	DESIGNED J.W.	CHECKED N.M.	APPROVED M.C.
JOB No. 5162001	DRAWING No. C4.02		ISSUE 1	
DATE AUG 2017	STATUS DEVELOPMENT APPLICATION			

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NORTH

50 0 25 50 75 1000m
PLAN SCALE 1:2500 A1 SHEET

REVISION	AMENDMENT	DATE	REVISION	AMENDMENT	DATE	CLIENT
1	DEVELOPMENT APPLICATION	24/08/17				Catholic Cemeteries & Crematoria Core, Compassion, Choice
						PROJECT MACARTHUR MEMORIAL PARK

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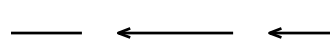
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TITLE STORMWATER KEY PLAN				
SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
AS SHOWN	M.C.Z.	N.M.	N.M.	M.C.
JOB No. 5162001	DRAWING No. C7.01		ISSUE 1	
DATE AUG 2017	STATUS DEVELOPMENT APPLICATION			

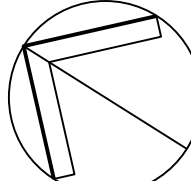
LEGEND

-  900 x 900 JUNCTION PIT
-  STORMWATER PIPE DIAMETER AND FLOW
-  STORMWATER PIPE
-  SWALE
-  PIT STRUCTURE NUMBER
-  STORMWATER LINE NUMBER
-  INDICATIVE OVERLAND FLOW ROUTE
-  DRAINAGE LINE
-  CONCRETE HEADWALL

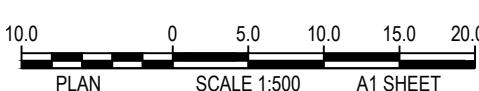
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NORTH



SCALE 1:500
A1 SHEET

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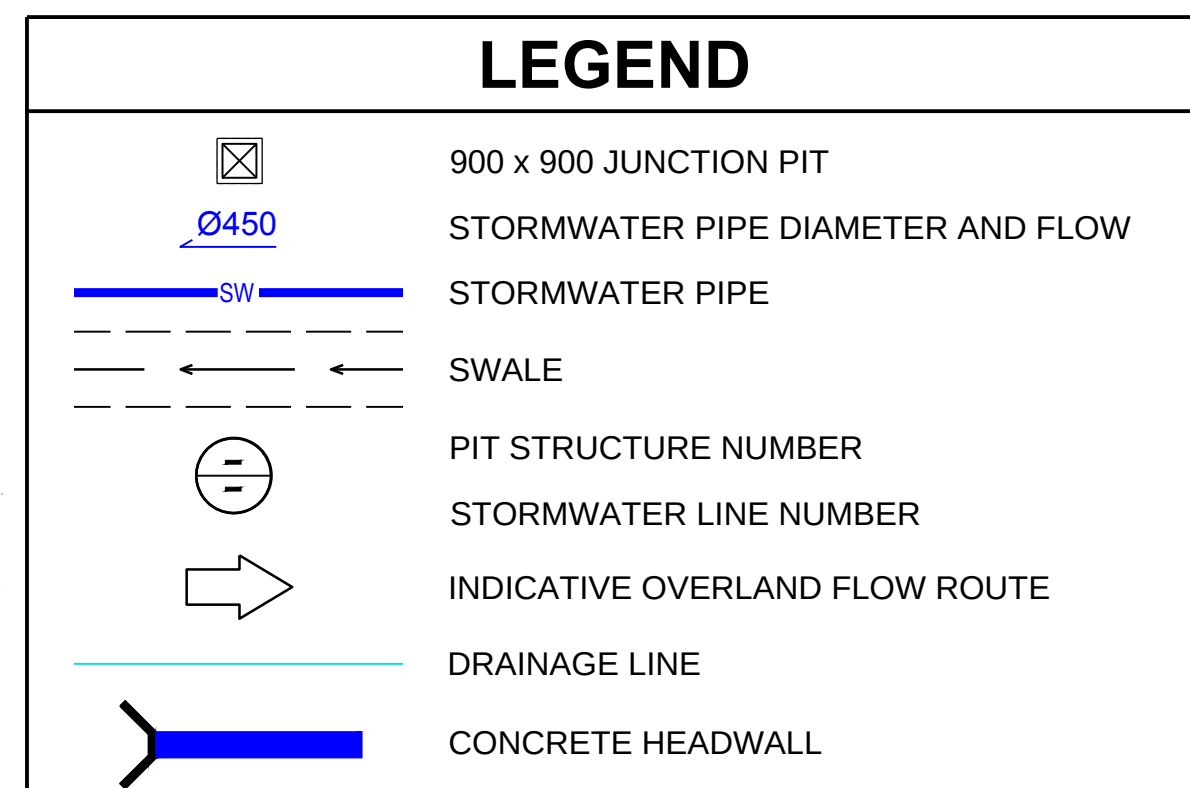
TITLE				
STORMWATER LAYOUT PLAN SHEET 1 OF 15				
SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
AS SHOWN	M.C.Z.	N.M.	N.M.	M.C.
JOB No.	DRAWING No.			ISSUE
5162001		C7.02		1
DATE	STATUS			
AUG 2017	DEVELOPMENT APPLICATION			

LEGEND	
	900 x 900 JUNCTION PIT
	STORMWATER PIPE DIAMETER AND FLOW
	STORMWATER PIPE
	SWALE
	PIT STRUCTURE NUMBER
	STORMWATER LINE NUMBER
	INDICATIVE OVERLAND FLOW ROUTE
	DRAINAGE LINE
	CONCRETE HEADWALL

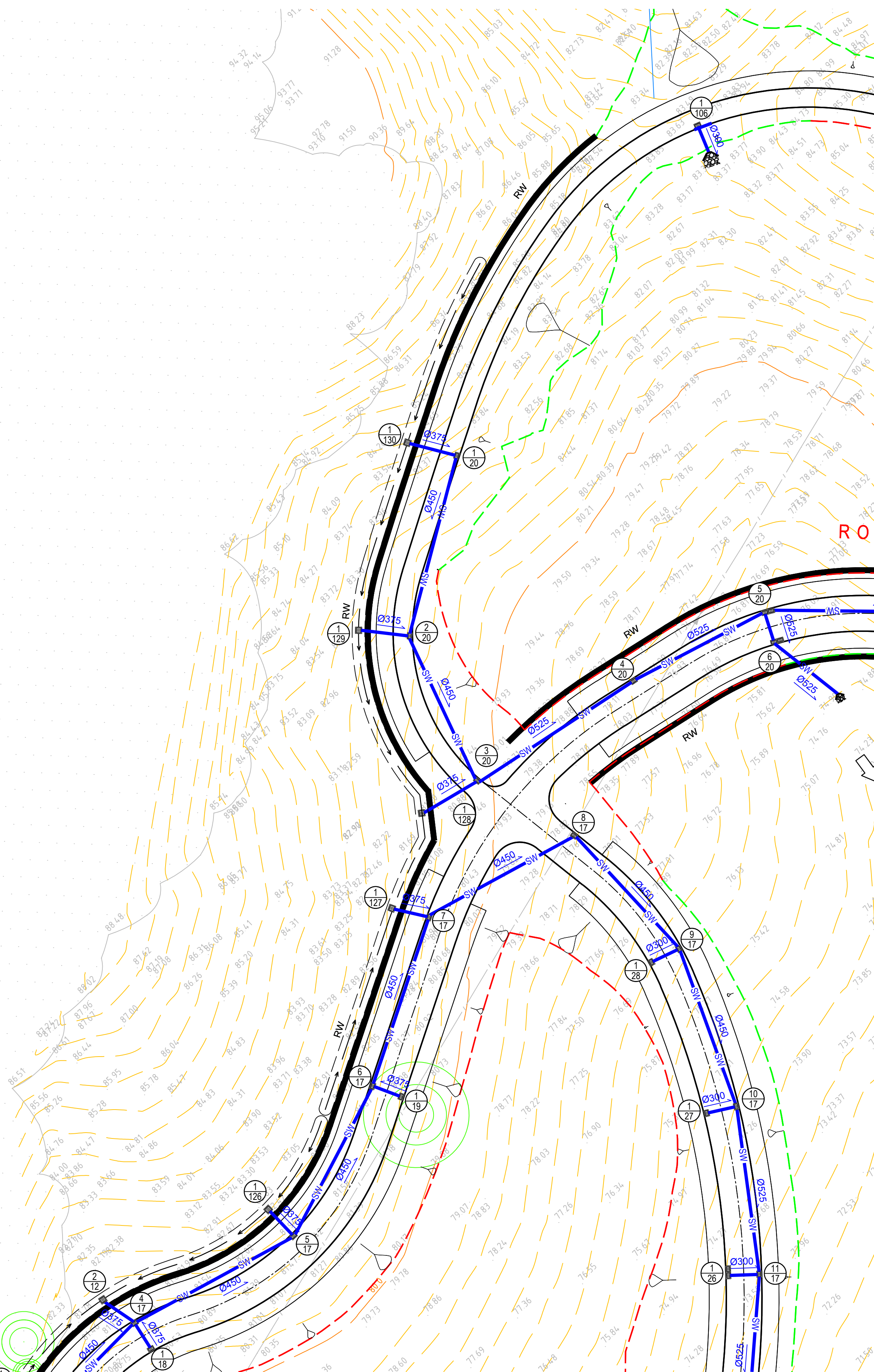


2

TITLE				
STORMWATER LAYOUT PLAN SHEET 3 OF 15				
SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
AS SHOWN	M.C.Z.	N.M.	N.M.	M.C.
JOB No.	DRAWING No.		ISSUE	
5162001	C7.04		1	
DATE	STATUS			
AUG 2017	DEVELOPMENT APPLICATION			

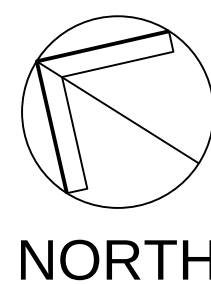


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10.0 0 5.0 10.0 15.0 20.0m
PLAN SCALE 1:500 A1 SHEET

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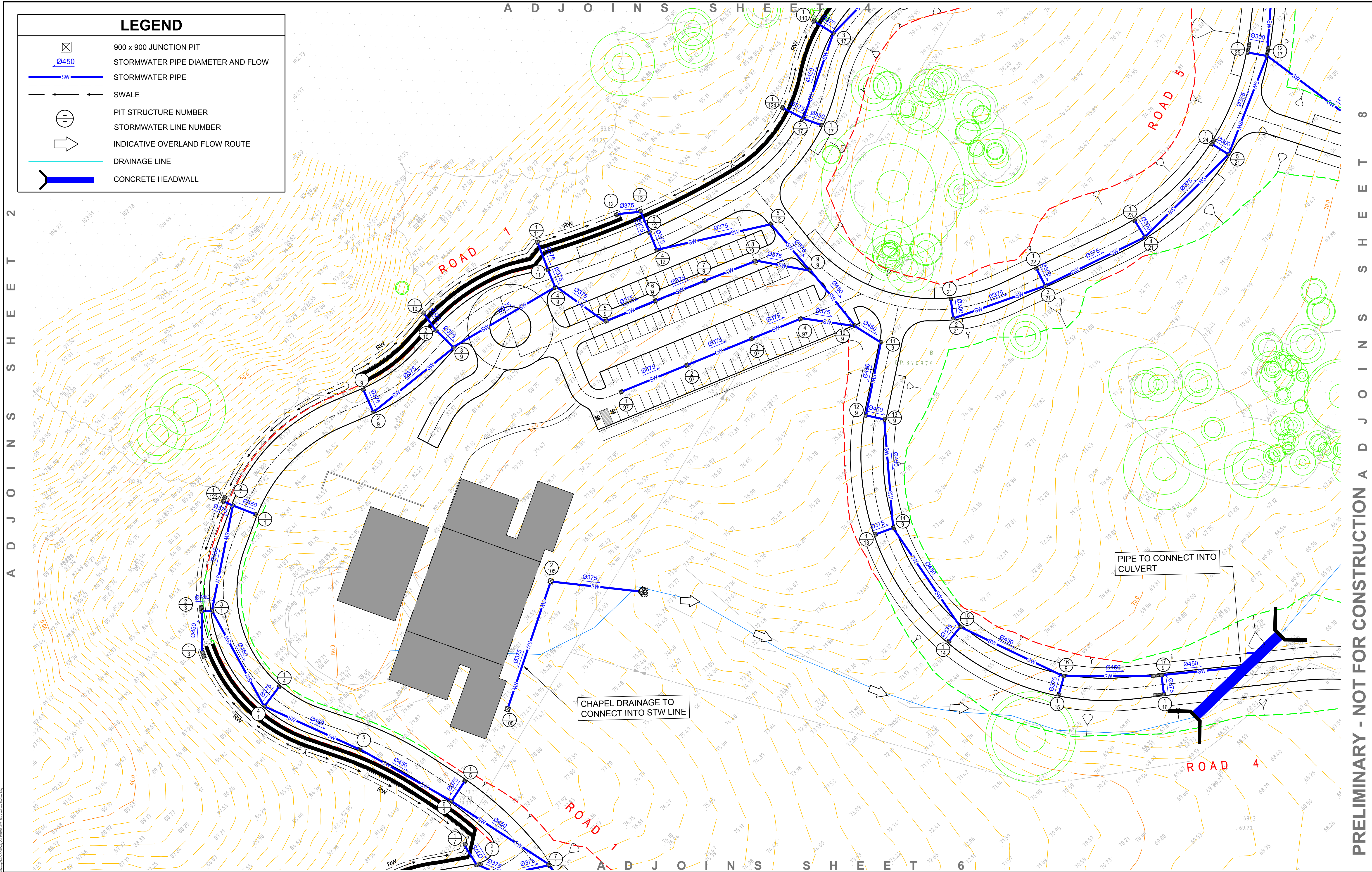
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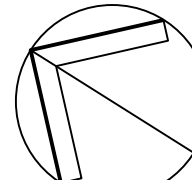
CONSULTING ENGINEERS

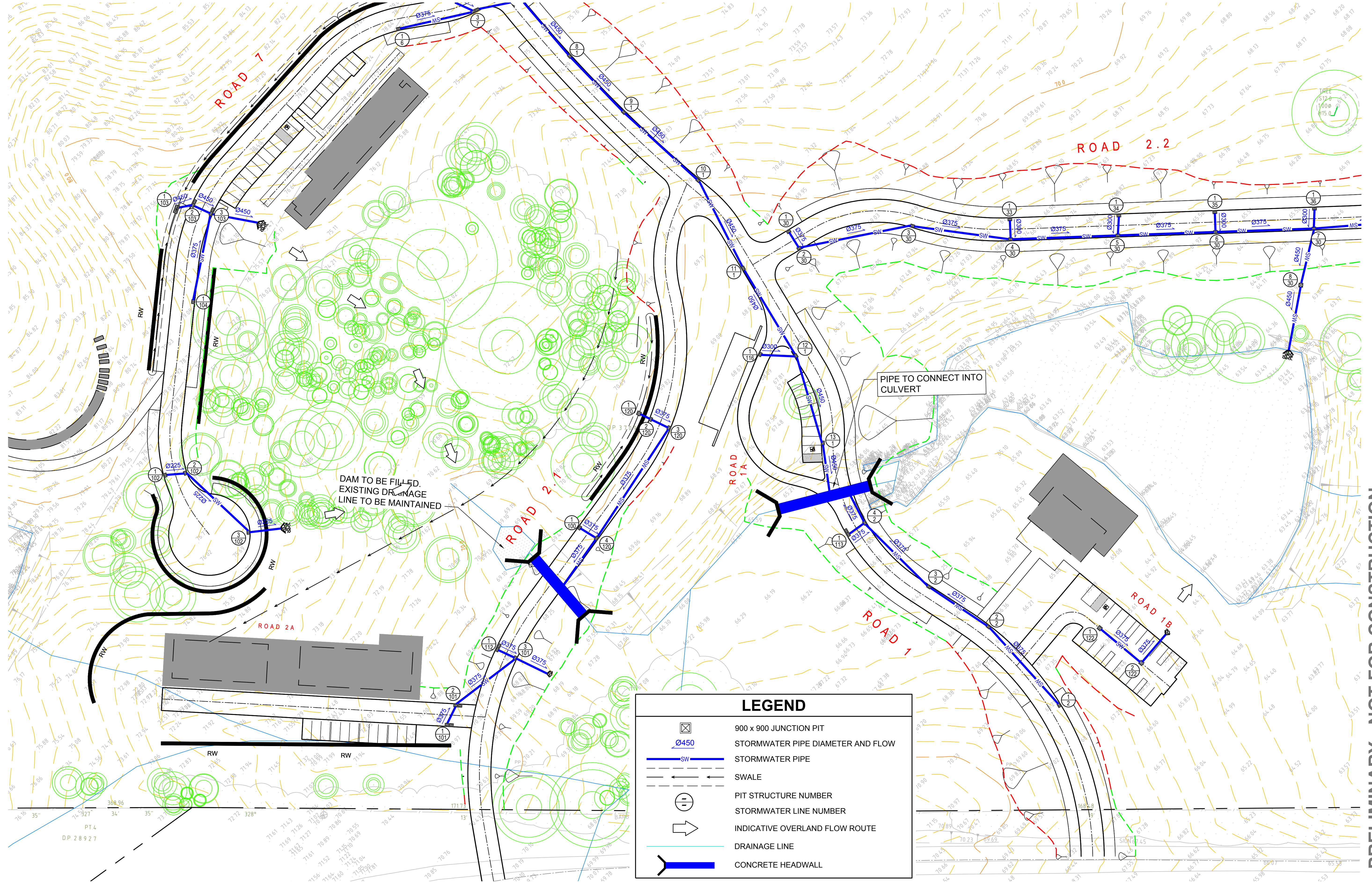
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TITLE				
STORMWATER LAYOUT PLAN SHEET 4 OF 15				
SCALE	AS SHOWN	DRAWN	M.C.Z.	DESIGNED N.M.T. CHECKED N.M. APPROVED M.C.
JOB No.	5162001		DRAWING No.	C7.05 1
DATE	AUG 2017	STATUS DEVELOPMENT APPLICATION		



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			1	DEVELOPMENT APPLICATION	24/08/17												PROJECT MACARTHUR MEMORIAL PARK	SCALE AS SHOWN



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NORTH

SCALE 1:500

PLAN SCALE 1:500 A1 SHEET

REVISION	AMENDMENT	DATE	REVISION	AMENDMENT	DATE
1	DEVELOPMENT APPLICATION	24/08/17			

CLIENT

Catholic Cemeteries & Crematoria
Core, Compassion, Choice

PROJECT

MACARTHUR MEMORIAL PARK

PREPARED BY

Warren Smith & Partners

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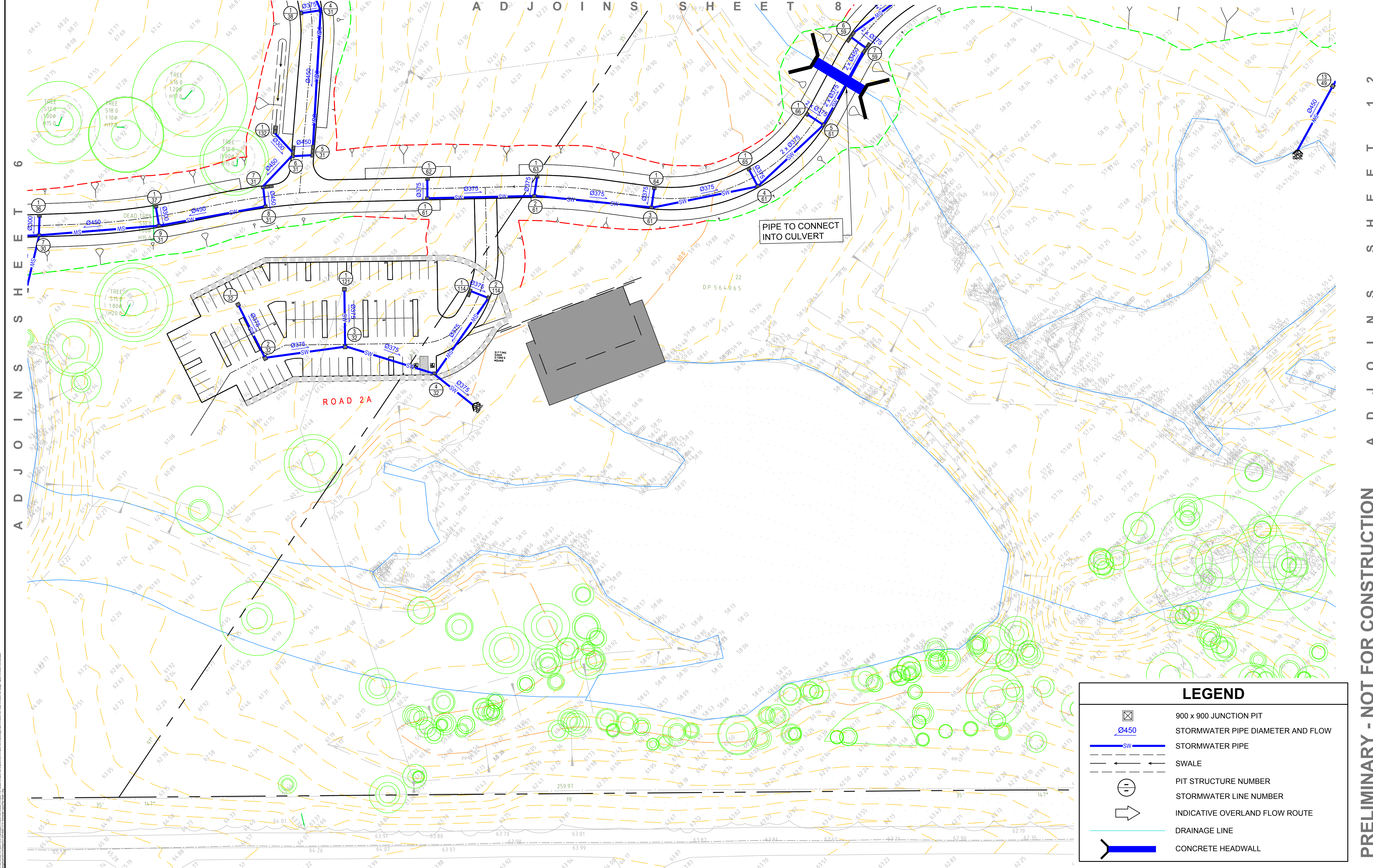
TITLE

STORMWATER LAYOUT PLAN
SHEET 6 OF 15

SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
AS SHOWN	M.C.Z.	N.M.	N.M.	M.C.

JOB No. **5162001** DRAWING No. **C7.07** ISSUE **1**

DATE **AUG 2017** STATUS **DEVELOPMENT APPLICATION**



LEGEND

900 x 900 JUNCTION PIT

STORMWATER PIPE DIAMETER AND FLOW

STORMWATER PIPE

SWALE

PIT STRUCTURE NUMBER

STORMWATER LINE NUMBER

INDICATIVE OVERLAND FLOW ROUTE

DRAINAGE LINE

CONCRETE HEADWALL

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NORTH

10.0 0 5.0 10.0 15.0 20.0m
PLAN SCALE 1:500 A1 SHEET

REVISION	AMENDMENT	DATE	REVISION	AMENDMENT	DATE
1	DEVELOPMENT APPLICATION	24/08/17			

Catholic Cemeteries & Crematoria
Core, Compassion, Choice

PROJECT

MACARTHUR MEMORIAL PARK

PREPARED BY

Warren Smith & Partners

Warren Smith & Partners Pty Ltd
1st Floor, 123 Clarence Street, Sydney 2000 NSW Australia
T 02 9299 1312 F 02 9290 1295 wsp@warrensmith.com.au
www.warrensmith.com.au ABN 36 300 430 126

CONSULTING ENGINEERS

Hydraulic Services Fire Protection Civil Engineering
 Sydney Water Accredited Water Servicing Co-ordinator
- Design Project Management - Building Plan Approvals

SERVING THE CONSTRUCTION INDUSTRY SINCE 1981.

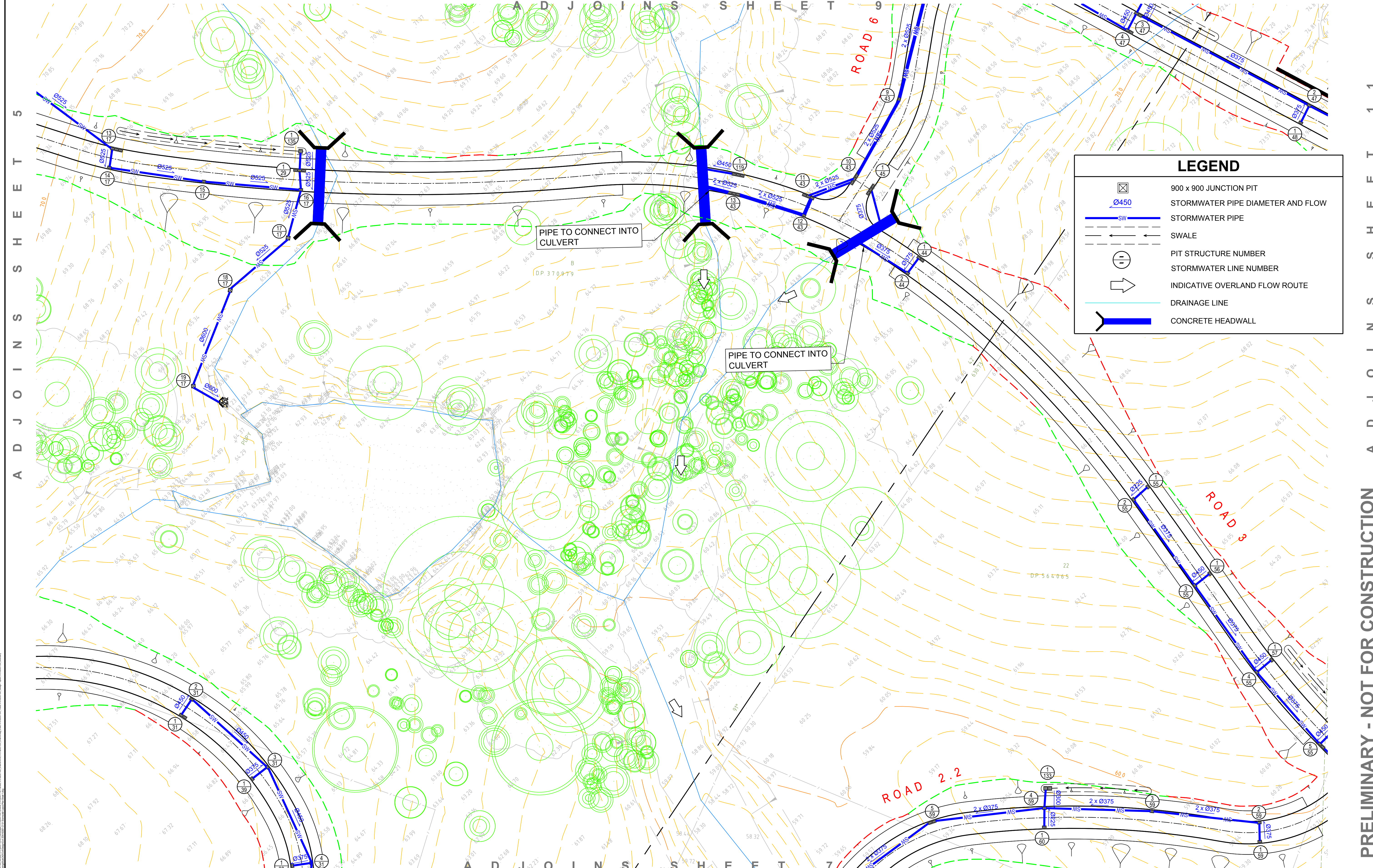
TITLE

STORMWATER LAYOUT PLAN
SHEET 7 OF 15

SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
AS SHOWN	M.C.Z.	N.M.	N.M.	M.C.

JOB No.	5162001	DRAWING No.	C7.08	ISSUE	1
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DATE	AUG 2017	STATUS	DEVELOPMENT APPLICATION
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NORTH

10.0 0 5.0 10.0 15.0 20.0m

PLAN SCALE 1:500 A1 SHEET

REVISION	AMENDMENT	DATE	REVISION	AMENDMENT	DATE	CLIENT
1	DEVELOPMENT APPLICATION	24/08/17				Catholic Cemeteries & Crematoria Core, Compassion, Choice

PROJECT

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Design Project Management - Building Plan Approvals

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TITLE

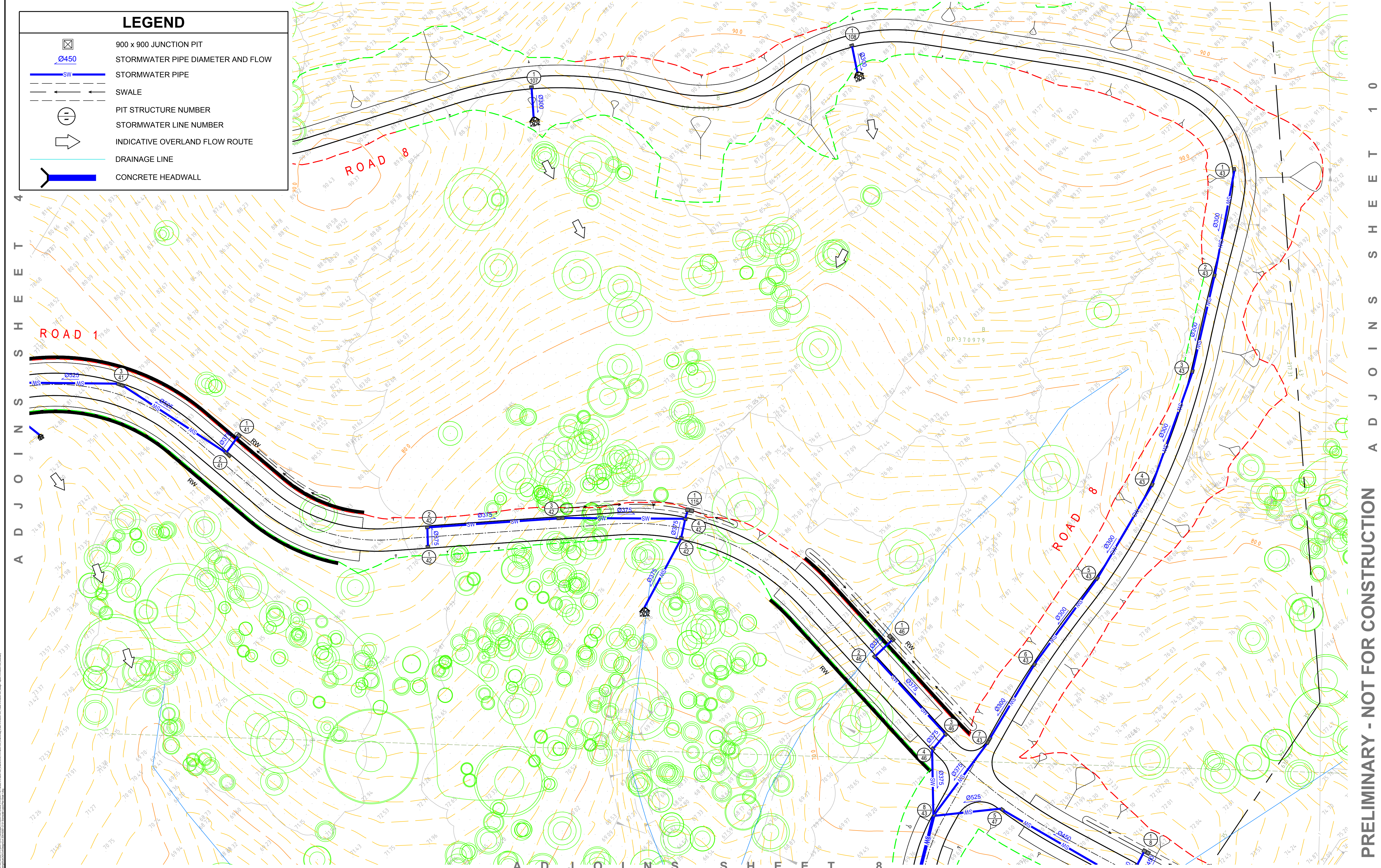
STORMWATER LAYOUT PLAN

SHEET 8 OF 15

SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
AS SHOWN	M.C.Z.	N.M.	N.M.	M.C.

JOB No. **5162001** DRAWING No. **C7.09** ISSUE **1**

DATE **AUG 2017** STATUS **DEVELOPMENT APPLICATION**



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NORTH

10.0 0 5.0 10.0 15.0 20.0m

PLAN SCALE 1:500 A1 SHEET

REVISION	AMENDMENT	DATE	REVISION	AMENDMENT	DATE	CLIENT
1	DEVELOPMENT APPLICATION	24/08/17				Catholic Cemeteries & Crematoria Core, Compassion, Choice

PROJECT

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SERVING THE CONSTRUCTION INDUSTRY SINCE 1981.

TITLE

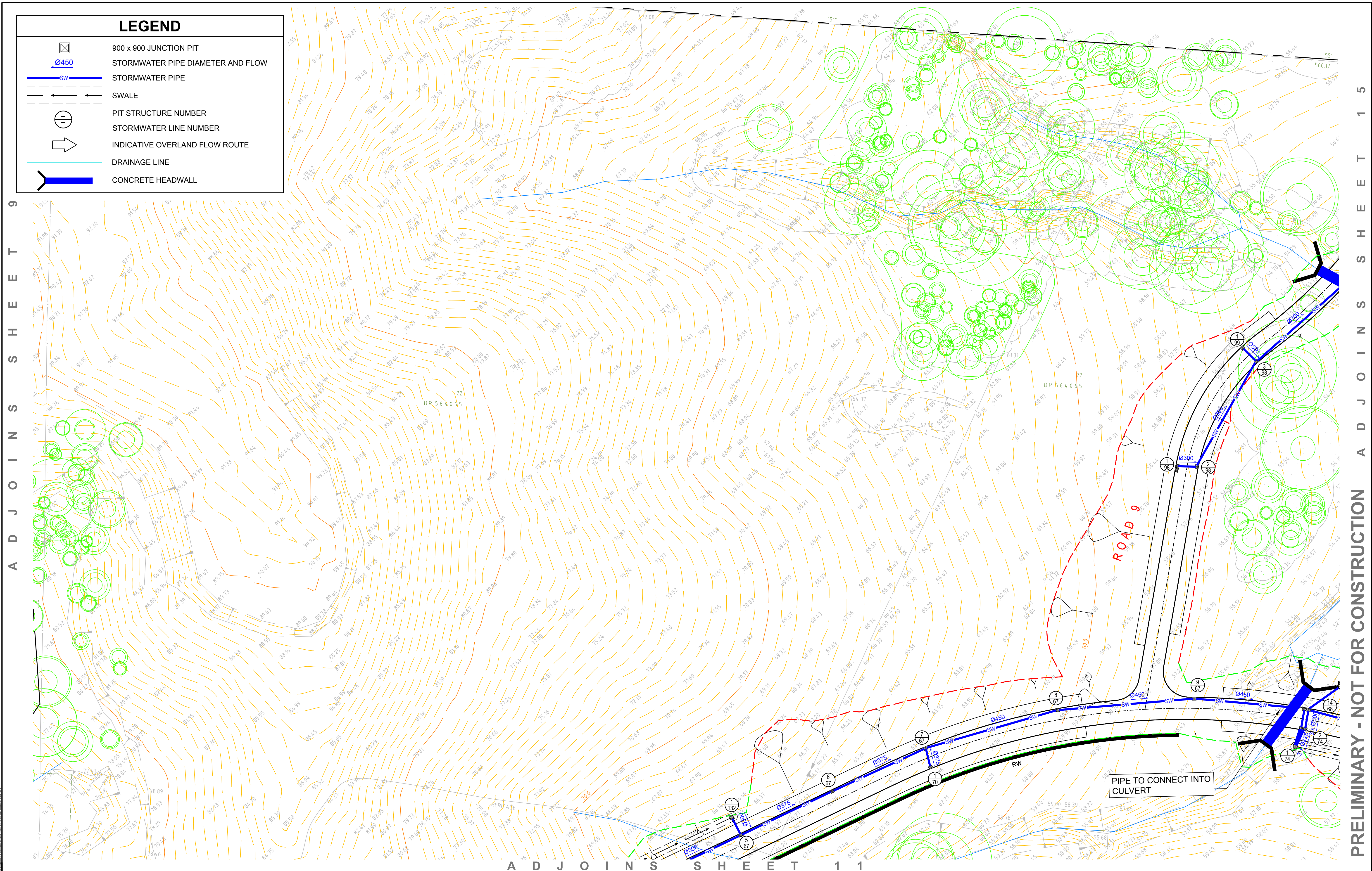
STORMWATER LAYOUT PLAN

SHEET 9 OF 15

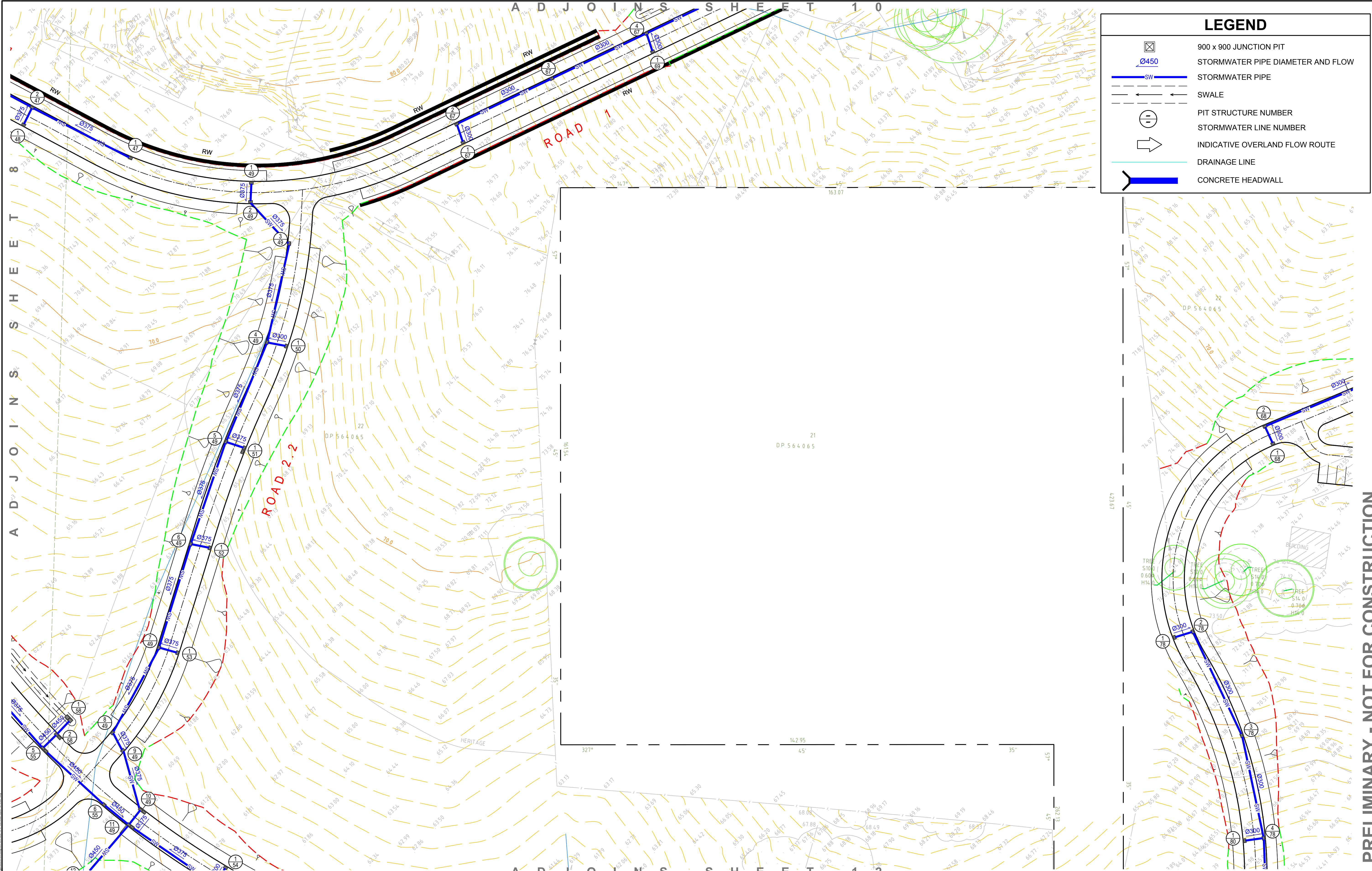
SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
AS SHOWN	M.C.Z.	N.M.	N.M.	M.C.

JOB No. **5162001** DRAWING No. **C7.10** ISSUE **1**

DATE **AUG 2017** STATUS **DEVELOPMENT APPLICATION**



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			1	DEVELOPMENT APPLICATION	24/08/17									PROJECT MACARTHUR MEMORIAL PARK	<table><tr><td>SCALE</td><td>AS SHOWN</td><td>DRAWN</td><td>M.C.Z.</td><td>DESIGNED</td><td>N.M.</td><td>CHECKED</td><td>N.M.</td><td>APPROVED</td><td>M.C.</td></tr><tr><td>JOB No.</td><td colspan="2">5162001</td><td colspan="2">C7.11</td><td colspan="2">1</td><td colspan="3">ISSUE</td></tr><tr><td>DATE</td><td colspan="2">AUG 2017</td><td colspan="2">STATUS</td><td colspan="7">DEVELOPMENT APPLICATION</td></tr></table>	SCALE	AS SHOWN	DRAWN	M.C.Z.	DESIGNED	N.M.	CHECKED	N.M.	APPROVED	M.C.	JOB No.	5162001		C7.11		1		ISSUE			DATE	AUG 2017		STATUS		DEVELOPMENT APPLICATION
SCALE	AS SHOWN	DRAWN	M.C.Z.	DESIGNED	N.M.	CHECKED	N.M.	APPROVED	M.C.																																
JOB No.	5162001		C7.11		1		ISSUE																																		
DATE	AUG 2017		STATUS		DEVELOPMENT APPLICATION																																				



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NORTH

10.0 0 5.0 10.0 15.0 20.0m

PLAN SCALE 1:500 A1 SHEET

REVISION	AMENDMENT	DATE	REVISION	AMENDMENT	DATE	CLIENT
1	DEVELOPMENT APPLICATION	24/08/17				Catholic Cemeteries & Crematoria Core, Compassion, Choice

PROJECT

MACARTHUR MEMORIAL PARK

PREPARED BY

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1st Floor, 123 Clarence Street, Sydney 2000 NSW Australia
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Sydney Water Accredited Water Servicing Co-ordinator
Design Project Management - Building Plan Approvals

SERVING THE CONSTRUCTION INDUSTRY SINCE 1981.

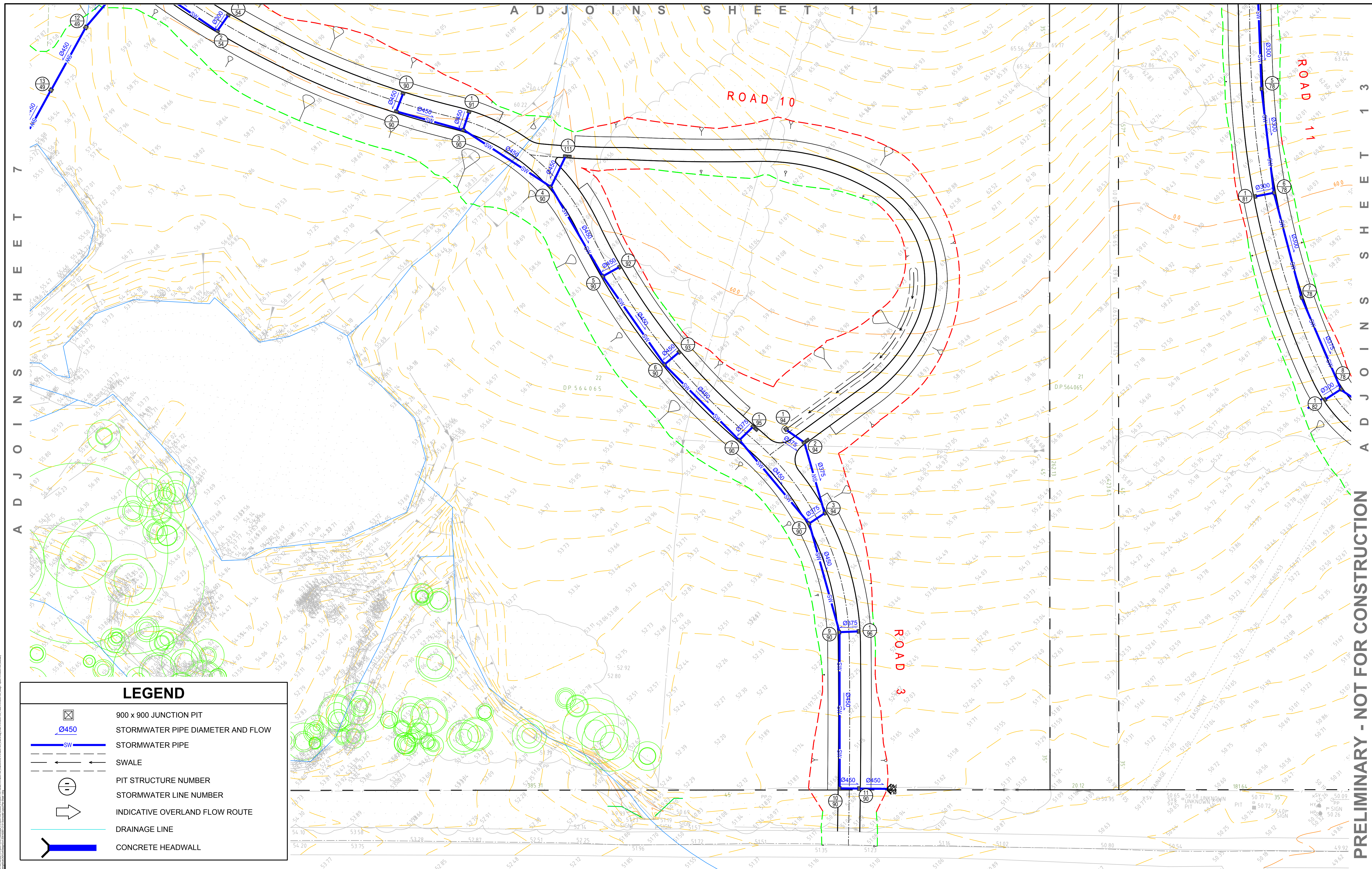
TITLE

STORMWATER LAYOUT PLAN
SHEET 11 OF 15

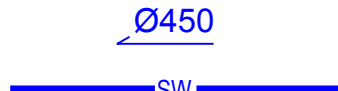
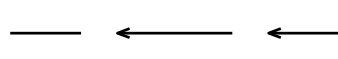
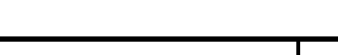
SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
AS SHOWN	M.C.Z.	N.M.	N.M.	M.C.

JOB No. **5162001** DRAWING No. **C7.12** ISSUE **1**

DATE **AUG 2017** STATUS **DEVELOPMENT APPLICATION**



PRELIMINARY - NOT FOR CONSTRUCTION

LEGEND	
	900 x 900 JUNCTION PIT
	STORMWATER PIPE DIAMETER AND FLOW
	STORMWATER PIPE
	SWALE
	PIT STRUCTURE NUMBER
	STORMWATER LINE NUMBER
	INDICATIVE OVERLAND FLOW ROUTE
	DRAINAGE LINE
	CONCRETE HEADWALL

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NORTH

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5.0

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20.0m

PLAN

SCALE 1:500

A1 SHEET

REVISION	AMENDMENT	DATE	REVISION	AMENDMENT	DATE
1	DEVELOPMENT APPLICATION	24/08/17			

Catholic Cemeteries & Crematoria

Care, Compassion, Choice

PROJECT

MACARTHUR MEMORIAL PARK

WARREN SMITH & PARTNERS

100 YEARS

16-180 GAC/0610071

PREPARED BY

WARREN SMITH & PARTNERS

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Civil Engineering

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Design Project Management - Building Plan Approvals

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TITLE

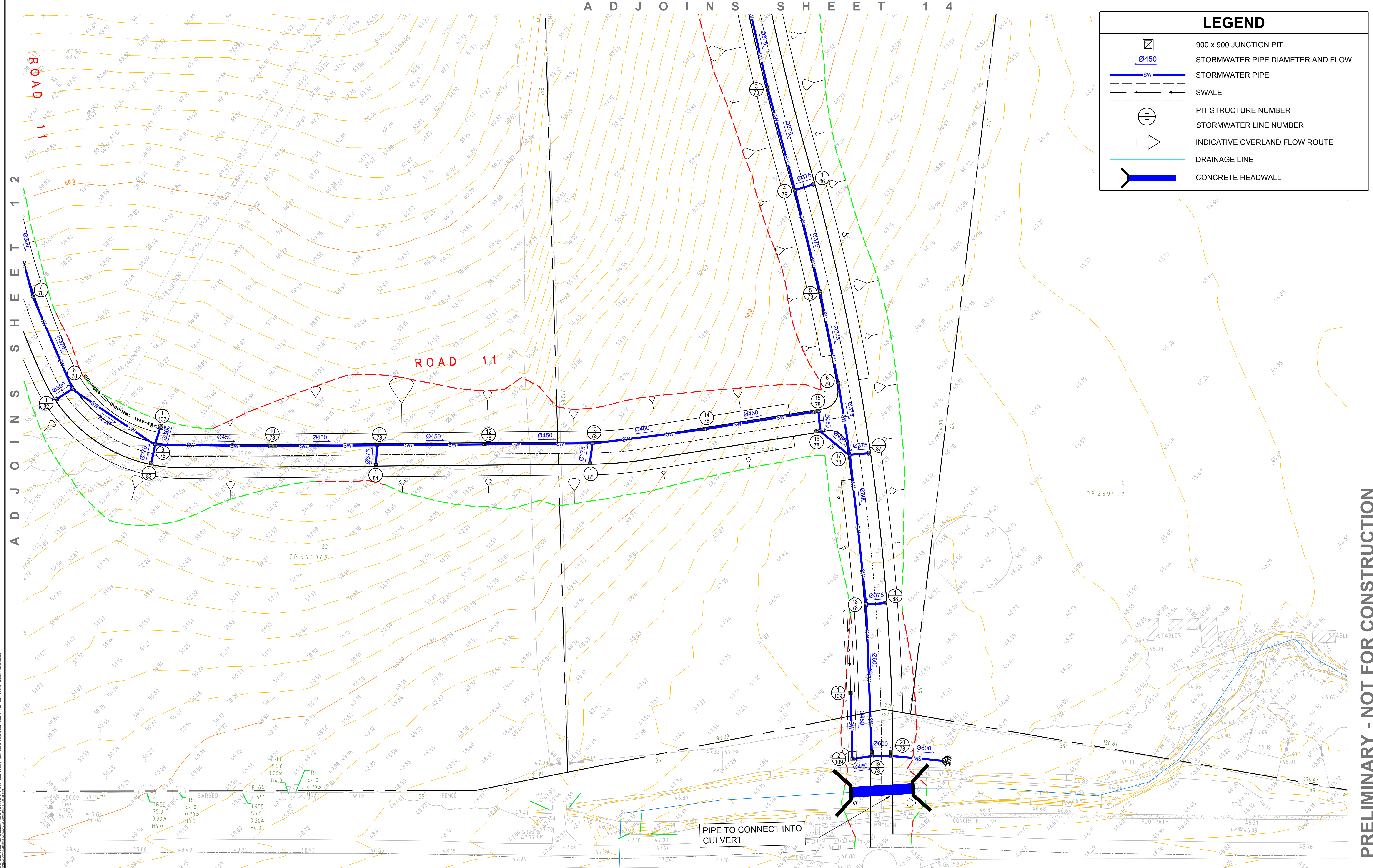
STORMWATER LAYOUT PLAN

SHEET 12 OF 15

SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
AS SHOWN	M.CZ.	N.M.	N.M.	M.C.

JOB No.	DRAWING No.	ISSUE
5162001	C7.13	1

DATE	STATUS
AUG 2017	DEVELOPMENT APPLICATION



LEGEND

900 x 900 JUNCTION PIT

STORMWATER PIPE DIAMETER AND FLOW

STORMWATER PIPE

SWALE

PIT STRUCTURE NUMBER

STORMWATER LINE NUMBER

INDICATIVE OVERLAND FLOW ROUTE

DRAINAGE LINE

CONCRETE HEADWALL

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NORTH

10.0 0 5.0 10.0 15.0 20.0m
PLAN SCALE 1:500 A1 SHEET

REVISION	AMENDMENT	DATE	REVISION	AMENDMENT	DATE
1	DEVELOPMENT APPLICATION	24/08/17			

Catholic Cemeteries & Crematoria
Core, Compassion, Choice

PROJECT
MACARTHUR MEMORIAL PARK

PREPARED BY
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CONSULTING ENGINEERS
■ Hydraulic Services ■ Fire Protection ■ Civil Engineering
■ Sydney Water Accredited Water Servicing Co-ordinator
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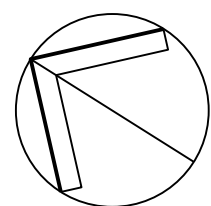
TITLE
STORMWATER LAYOUT PLAN
SHEET 13 OF 15

SCALE AS SHOWN	DRAWN M.C.Z.	DESIGNED N.M.	CHECKED N.M.	APPROVED M.C.
JOB No. 5162001	DRAWING No. C7.14		ISSUE 1	
DATE AUG 2017	STATUS DEVELOPMENT APPLICATION			

PRELIMINARY - NOT FOR CONSTRUCTION

A D J O I N S S H E E T 1 1

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REVISION	AMENDMENT	DATE
1	DEVELOPMENT APPLICATION	24/08/17

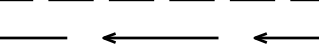
REVISION	AMENDMENT	DATE

CLIENT	 Catholic Cemeteries & Crematoria Core, Compassion, Choice
PROJECT	MACARTHUR MEMORIAL PARK

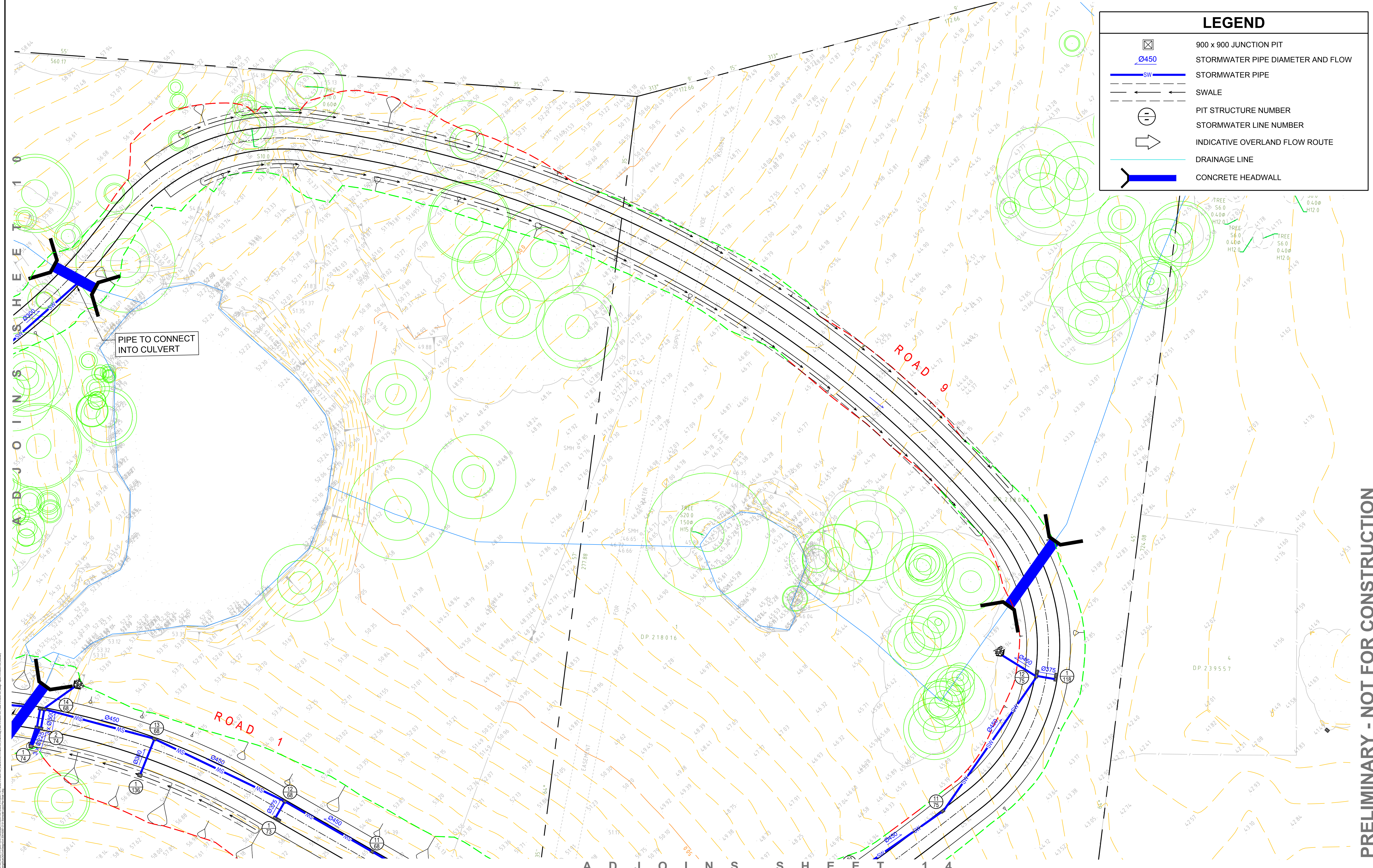
PREPARED BY	 Warren Smith & Partners 1st Floor, 122 Clarence Street, Sydney 2000 NSW Australia T 02 9290 1312 F 02 9290 1295 wsp@warrensmith.com.au www.warrensmith.com.au ABN 36 300 430 126
CONSULTING ENGINEERS	 Hydraulic Services  Fire Protection  Civil Engineering  Sydney Water Accredited Water Servicing Co-ordinator - Design Project Management - Building Plan Approvals
	SERVING THE CONSTRUCTION INDUSTRY SINCE 1981.

TITLE	STORMWATER LAYOUT PLAN SHEET 14 OF 15				
SCALE	AS SHOWN	DRAWN	M.C.Z.	DESIGNED	N.M.
JOB No.	5162001	DRAWING No.	C7.15	CHECKED	N.M.
DATE	AUG 2017	STATUS	DEVELOPMENT APPLICATION	ISSUE	1

LEGEND

	900 x 900 JUNCTION PIT
	STORMWATER PIPE DIAMETER AND FLOW
	STORMWATER PIPE
	SWALE
	PIT STRUCTURE NUMBER
	STORMWATER LINE NUMBER
	INDICATIVE OVERLAND FLOW ROUTE
	DRAINAGE LINE
	CONCRETE HEADWALL

PRELIMINARY - NOT FOR CONSTRUCTION



LEGEND

900 x 900 JUNCTION PIT

STORMWATER PIPE DIAMETER AND FLOW

STORMWATER PIPE

SWALE

PIT STRUCTURE NUMBER

STORMWATER LINE NUMBER

INDICATIVE OVERLAND FLOW ROUTE

DRAINAGE LINE

CONCRETE HEADWALL

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NORTH

SCALE 1:500
A1 SHEET

REVISION	AMENDMENT	DATE	REVISION	AMENDMENT	DATE
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Catholic Cemeteries & Crematoria
Core, Compassion, Choice

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TITLE

STORMWATER LAYOUT PLAN
SHEET 15 OF 15

SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
AS SHOWN	M.C.Z.	N.M.	N.M.	M.C.

JOB No.

5162001

DRAWING No.

C7.16

ISSUE

1

DATE

AUG 2017

STATUS

DEVELOPMENT APPLICATION

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	83.038		600 x 900 PIT, CLASS D GRATE	Pit 1/1	Pit 2/1	6.5	81.146	81.081	1	SRC Concrete	450	1
Pit 2/1	83.038		600 x 900 PIT, CLASS D GRATE	Pit 2/1	Pit 3/1	31.224	81.051	80.739	1	SRC Concrete	450	1
Pit 3/1	82.738		600 x 900 PIT, CLASS D GRATE	Pit 3/1	Pit 4/1	31.534	80.709	80.394	1	SRC Concrete	525	1
Pit 4/1	82.407		600 x 900 PIT, CLASS D GRATE	Pit 4/1	Pit 5/1	30.55	80.364	80.058	1	SRC Concrete	525	1
Pit 5/1	81.273		600 x 900 PIT, CLASS D GRATE	Pit 5/1	Pit 6/1	30.802	80.028	77.668	7.66	SRC Concrete	525	1
Pit 6/1	78.818		600 x 900 PIT, CLASS D GRATE	Pit 6/1	Pit 7/1	34.172	77.638	74.343	9.64	SRC Concrete	525	1
Pit 7/1	75.493		600 x 900 PIT, CLASS D GRATE	Pit 7/1	Pit 8/1	20.794	74.154	72.484	8.03	SRC Concrete	525	1
Pit 8/1	73.667		600 x 900 PIT, CLASS D GRATE	Pit 8/1	Pit 9/1	21.839	72.454	70.788	7.63	SRC Concrete	525	1
Pit 9/1	71.969		600 x 900 PIT, CLASS D GRATE	Pit 9/1	Pit 10/1	28.659	70.758	68.898	6.49	SRC Concrete	525	1
Pit 10/1	70.081		600 x 900 PIT, CLASS D GRATE	Pit 10/1	Pit 11/1	28.172	68.868	67.837	3.66	SRC Concrete	525	1
Pit 11/1	69.043		600 x 900 PIT, CLASS D GRATE	Pit 11/1	Pit 12/1	28.894	67.807	67.134	2.33	SRC Concrete	525	1
Pit 12/1	68.314		600 x 900 PIT, CLASS D GRATE	Pit 12/1	Pit 13/1	25.506	67.104	66.05	4.13	SRC Concrete	525	1
Pit 13/1	67.17		600 x 900 PIT, CLASS D GRATE	Pit 13/1	Pit 14/1	14.998	66.02	65.059	6.41	SRC Concrete	525	1
Pit 1/2	67.184		600 x 900 PIT, CLASS D GRATE	Pit 1/2	Pit 2/2	30.037	66.209	65.696	1.71	SRC Concrete	375	1
Pit 2/2	66.72		600 x 900 PIT, CLASS D GRATE	Pit 2/2	Pit 3/2	20.212	65.666	65.464	1	SRC Concrete	375	1
Pit 3/2	66.459		600 x 900 PIT, CLASS D GRATE	Pit 3/2	Pit 4/2	21.406	65.434	65.22	1	SRC Concrete	375	1
Pit 4/2	66.287		600 x 900 PIT, CLASS D GRATE	Pit 4/2	Pit 5/2	13.031	65.19	65.059	1.01	SRC Concrete	375	1
Pit 1/3	83.289		2 x 900SQ PIT, CLASS C GRATE	Pit 1/3	Pit 2/3	12.127	81.513	81.27	2	SRC Concrete	525	1
Pit 2/3	82.424		2 x 900SQ PIT, CLASS C GRATE	Pit 2/3	Pit 3/1	5.581	81.2	81.144	1	SRC Concrete	525	1
Pit 1/4	82.41		600 x 900 PIT, CLASS D GRATE	Pit 1/4	Pit 4/1	6.501	81.435	81.37	1	SRC Concrete	375	1
Pit 1/5	78.824		600 x 900 PIT, CLASS D GRATE	Pit 1/5	Pit 6/1	6.5	77.849	77.784	1	SRC Concrete	375	1
Pit 1/6	77.466		600 x 900 PIT, CLASS D GRATE	Pit 1/6	Pit 3/7	21.932	75.916	75.149	3.5	SRC Concrete	375	1
Pit 1/7	77.944		900SQ PIT, CLASS C GRATE	Pit 1/7	Pit 2/7	6.5	75.334	75.269	1	SRC Concrete	375	1
Pit 2/7	76.331		2 x 600x900 PIT,CLASS D GRATE	Pit 2/7	Pit 3/7	8.708	75.259	75.172	1	SRC Concrete	375	1
Pit 3/7	76.126		2 x 600x900 PIT, CLASS D GRATE	Pit 3/7	Pit 7/1	14.317	75.119	74.184	6.53	SRC Concrete	375	1
Pit 1/8	70.95		2 x 900SQ PIT, CLASS C GRATE	Pit 1/8	Pit 3/47	3.968	68.69	68.67	0.5	SRC Concrete	450	1
Pit 1/9	82.511		600 x 900 PIT, CLASS D GRATE	Pit 1/9	Pit 2/9	6.5	81.285	81.155	2	SRC Concrete	375	1
Pit 2/9	82.511		600 x 900 PIT, CLASS D GRATE	Pit 2/9	Pit 3/9	30.229	81.135	80.53	2	SRC Concrete	375	1
Pit 3/9	81.578		600 x 900 PIT, CLASS D GRATE	Pit 3/9	Pit 4/9	34.518	78.714	78.434	0.81	SRC Concrete	375	1
Pit 4/9	80.401		600 x 900 PIT, CLASS D GRATE	Pit 4/9	Pit 5/9	17.302	78.404	78.238	0.96	SRC Concrete	375	1
Pit 5/9	80.5		900SQ PIT, CLASS C GRATE	Pit 5/9	Pit 6/9	14.595	78.208	78.057	1.03	SRC Concrete	375	1
Pit 6/9	80.5		900SQ PIT, CLASS C GRATE	Pit 6/9	Pit 7/9	14.739	78.027	77.554	3.21	SRC Concrete	375	1
Pit 7/9	80.5		900SQ PIT, CLASS C GRATE	Pit 7/9	Pit 8/9	14.842	77.524	76.893	4.25	SRC Concrete	375	1
Pit 8/9	80.5		900SQ PIT, CLASS C GRATE	Pit 8/9	Pit 9/9	15.543	76.893	76.262	4.06	SRC Concrete	375	1
Pit 9/9	78.515		600 x 900 PIT, CLASS D GRATE	Pit 9/9	Pit 10/9	20.182	76.232	75.871	1.79	SRC Concrete	450	1
Pit 10/9	77.67		600 x 900 PIT, CLASS D GRATE	Pit 10/9	Pit 11/9	8.407	75.841	75	10	SRC Concrete	375	1
Pit 11/9	76.692		600 x 900 PIT, CLASS D GRATE	Pit 11/9	Pit 12/9	21.897	74.98	74.761	1	SRC Concrete	450	1
Pit 12/9	75.735		600 x 900 PIT, CLASS D GRATE	Pit 12/9	Pit 13/9	6.505	74.731	74.666	1	SRC Concrete	450	1
Pit 13/9	75.722		600 x 900 PIT, CLASS D GRATE	Pit 13/9	Pit 14/9	31.6	74.636	72.761	5.93	SRC Concrete	450	1
Pit 14/9	73.736		600 x 900 PIT, CLASS D GRATE	Pit 14/9	Pit 15/9	34.777	72.658	70.468	6.3	SRC Concrete	450	1
Pit 15/9	71.518		600 x 900 PIT, CLASS D GRATE	Pit 15/9	Pit 16/9	33.159	70.438	68.41	6.12	SRC Concrete	450	1
Pit 16/9	69.461		600 x 900 PIT, CLASS D GRATE	Pit 16/9	Pit 17/9	28.422	68.38	67.714	2.34	SRC Concrete	450	1
Pit 17/9	68.765		3 x 600 x 900 PIT, CLASS D GRATE	Pit 17/9	Pit 18/9	22.462	67.684	67.46	1	SRC Concrete	450	1

Pit 1/10	85.278		900SQ PIT, CLASS C GRATE	Pit 1/10	Pit 2/10	8.547	79.694	78.839	10	SRC Concrete	375	1
Pit 2/10	81.577		600 x 900 PIT, CLASS D GRATE	Pit 2/10	Pit 3/9	6.5	78.809	78.744	1	SRC Concrete	375	1
Pit 1/11	83.859		900SQ PIT, CLASS C GRATE	Pit 1/11	Pit 2/11	7.753	78.536	78.497	0.5	SRC Concrete	375	1
Pit 2/11	80.416		600 x 900 PIT, CLASS D GRATE	Pit 2/11	Pit 4/9	6.516	78.467	78.434	0.51	SRC Concrete	375	1
Pit 1/12	81.903		900SQ PIT, CLASS C GRATE	Pit 1/12	Pit 2/12	7.182	79.102	78.384	10	SRC Concrete	375	1
Pit 2/12	81.475		900SQ PIT, CLASS C GRATE	Pit 2/12	Pit 3/12	4.811	78.354	78.305	1.02	SRC Concrete	375	1
Pit 3/12	79.645		600 x 900 PIT, CLASS D GRATE	Pit 3/12	Pit 4/12	6.502	78.275	78.21	1	SRC Concrete	375	1
Pit 4/12	79.647		600 x 900 PIT, CLASS D GRATE	Pit 4/12	Pit 5/12	33.713	77.243	76.906	1	SRC Concrete	375	1
Pit 5/12	79.035		600 x 900 PIT, CLASS D GRATE	Pit 5/12	Pit 9/9	17.535	76.876	76.262	3.5	SRC Concrete	375	1
Pit 1/13	73.728		600 x 900 PIT, CLASS D GRATE	Pit 1/13	Pit 14/9	6.501	72.753	72.688	1	SRC Concrete	375	1
Pit 1/14	71.518		600 x 900 PIT, CLASS D GRATE	Pit 1/14	Pit 15/9	6.5	70.543	70.478	1	SRC Concrete	375	1
Pit 1/15	69.482		600 x 900 PIT, CLASS D GRATE	Pit 1/15	Pit 16/9	6.516	68.507	68.442	1	SRC Concrete	375	1
Pit 1/16	68.764		3 x 600x900, CLASS D GRATE	Pit 1/16	Pit 17/9	6.501	67.789	67.724	1	SRC Concrete	375	1
Pit 1/17	79.244		600 x 900 PIT, CLASS D GRATE	Pit 1/17	Pit 2/17	6.526	78.269	78.203	1.01	SRC Concrete	450	1
Pit 2/17	79.246		600 x 900 PIT, CLASS D GRATE	Pit 2/17	Pit 3/17	26.441	78.081	77.817	1	SRC Concrete	450	1
Pit 3/17	79.115		600 x 900 PIT, CLASS D GRATE	Pit 3/17	Pit 4/17	22.233	77.787	76.729	4.76	SRC Concrete	450	1
Pit 4/17	79.011		600 x 900 PIT, CLASS D GRATE	Pit 4/17	Pit 5/17	32.601	76.699	76.373	1	SRC Concrete	450	1
Pit 5/17	78.842		600 x 900 PIT, CLASS D GRATE	Pit 5/17	Pit 6/17	30.696	76.343	76.036	1	SRC Concrete	450	1
Pit 6/17	78.679		600 x 900 PIT, CLASS D GRATE	Pit 6/17	Pit 7/17	32.455	76.006	74.383	5	SRC Concrete	450	1
Pit 7/17	78.363		600 x 900 PIT, CLASS D GRATE	Pit 7/17	Pit 8/17	31.005	74.353	74.043	1	SRC Concrete	450	1
Pit 8/17	77.293		600 x 900 PIT, CLASS D GRATE	Pit 8/17	Pit 9/17	28.451	74.013	72.59	5	SRC Concrete	450	1
Pit 9/17	76.175		600 x 900 PIT, CLASS D GRATE	Pit 9/17	Pit 10/17	30.31	72.56	71.044	5	SRC Concrete	450	1
Pit 10/17	74.846		600 x 900 PIT, CLASS D GRATE	Pit 10/17	Pit 11/17	31.029	71.014	70.465	1.77	SRC Concrete	525	1
Pit 11/17	73.478		600 x 900 PIT, CLASS D GRATE	Pit 11/17	Pit 12/17	31.277	70.435	68.871	5	SRC Concrete	525	1
Pit 12/17	72.635		3 x 600 x 900 PIT, CLASS D GRATE	Pit 12/17	Pit 13/17	46.537	68.841	67.91	2	SRC Concrete	525	1
Pit 13/17	69.168		3 x 600 x 900 PIT, CLASS D GRATE	Pit 13/17	Pit 14/17	6.509	67.88	67.815	1	SRC Concrete	525	1
Pit 14/17	69.149		600 x 900 PIT, CLASS D GRATE	Pit 14/17	Pit 15/17	27.844	67.785	67.334	1.62	SRC Concrete	525	1
Pit 15/17	68.483		600 x 900 PIT, CLASS D GRATE	Pit 15/17	Pit 16/17	28.313	67.304	66.49	2.88	SRC Concrete	525	1
Pit 16/17	68.342		600 x 900 PIT, CLASS D GRATE	Pit 16/17	Pit 17/17	14.063	65.476	65.335	1	SRC Concrete	525	1
Pit 17/17	67		600 x 900 PIT, CLASS D GRATE	Pit 17/17	Pit 18/17	22.68	65.305	64.587	3.17	SRC Concrete	525	1
Pit 18/17	65.417		600 x 900 PIT, CLASS D GRATE	Pit 18/17	Pit 19/17	29.865	64.557	64.408	0.5	SRC Concrete	600	1
Pit 19/17	65.383		600 x 900 PIT, CLASS D GRATE	Pit 19/17	Pit 20/17	9.017	64.378	64.333	0.5	SRC Concrete	600	1
Pit 1/18	79.01		600 x 900 PIT, CLASS D GRATE	Pit 1/18	Pit 4/17	6.5	78.036	77.971	1	SRC Concrete	375	1
Pit 1/19	78.679		600 x 900 PIT, CLASS D GRATE	Pit 1/19	Pit 6/17	6.501	77.704	77.639	1	SRC Concrete	375	1
Pit 1/20	83.15		600 x 900 PIT, CLASS D GRATE	Pit 1/20	Pit 2/20	34.296	80.033	78.023	5.86	SRC Concrete	450	1
Pit 2/20	80.173		600 x 900 PIT, CLASS D GRATE	Pit 2/20	Pit 3/20	28.023	77.993	76.592	5	SRC Concrete	450	1
Pit 3/20	77.671		600 x 900 PIT, CLASS D GRATE	Pit 3/20	Pit 4/20	20.192	75.075	74.873	1	SRC Concrete	525	1
Pit 4/20	76.296		600 x 900 PIT, CLASS D GRATE	Pit 4/20	Pit 5/20	27.06	74.843	74.572	1	SRC Concrete	525	1
Pit 5/20	75.727		2 x 600 x 900 PIT, CLASS D GRATE	Pit 5/20	Pit 6/20	6.5	74.542	74.477	1	SRC Concrete	525	1
Pit 6/20	75.728		2 x 600 x 900 PIT, CLASS D GRATE	Pit 6/20	Pit 7/20	8.763	74.447	74.359	1	SRC Concrete	525	1

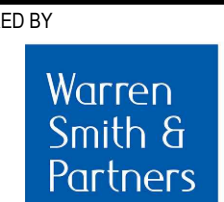
DO NOT SCALE FROM DRAWINGS. CHECK & VERIFY ALL DIMENSIONS & LEVELS BEFORE COMMENCEMENT OF ANY WORK. THIS DRAWING IS NOT TO BE COPIED IN PART OR WHOLE WITHOUT WRITTEN PERMISSION FROM WARREN SMITH AND PARTNERS.			REVISION	AMENDMENT	DATE	REVISION	AMENDMENT	DATE	CLIENT  Catholic Cemeteries & Crematoria <i>Care, Compassion, Choice</i>	PREPARED BY  Warren Smith & Partners Warren Smith & Partners Pty Ltd 1st Floor, 123 Clarence Street, Sydney 2000 NSW Australia T 02 9299 1312 F 02 9290 1295 wslp@warrensmith.com.au www.warrensmith.com.au ABN 36 300 430 126  Q-VALUE LIA No: QAC01610071	TITLE STORMWATER PIT SCHEDULE SHEET 1 OF 5					
			1	DEVELOPMENT APPLICATION	24/08/17											
									PROJECT MACARTHUR MEMORIAL PARK	CONSULTING ENGINEERS ■ Hydraulic Services ■ Fire Protection ■ Civil Engineering ■ Sydney Water Accredited Water Servicing Co-ordinator - Design Project Management - Building Plan Approvals SERVING THE CONSTRUCTION INDUSTRY SINCE 1981.	SCALE AS SHOWN	DRAWN M.C.Z.	DESIGNED N.M.	CHECKED N.M.	APPROVED M.C.	
											JOB No. 5162001	DRAWING No. C7.17	ISSUE 1			
											DATE AUG 2017	STATUS DEVELOPMENT APPLICATION				

PRELIMINARY - NOT FOR CONSTRUCTION

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Pit 1/21	75.716		600 x 900 PIT, CLASS D GRATE	Pit 1/21	Pit 2/21	6.499	74.741	74.676	1	SRC Concrete	300	1
Pit 2/21	75.716		600 x 900 PIT, CLASS D GRATE	Pit 2/21	Pit 3/21	28.424	72.815	71.678	4	SRC Concrete	375	1
Pit 3/21	73.679		600 x 900 PIT, CLASS D GRATE	Pit 3/21	Pit 4/21	32.82	71.648	70.992	2	SRC Concrete	375	1
Pit 4/21	72.88		600 x 900 PIT, CLASS D GRATE	Pit 4/21	Pit 5/21	34.516	70.962	70.272	2	SRC Concrete	375	1
Pit 5/21	72.713		600 x 900 PIT, CLASS D GRATE	Pit 5/21	Pit 12/17	31.059	70.242	69	4	SRC Concrete	525	1
Pit 1/22	73.666		600 x 900 PIT, CLASS D GRATE	Pit 1/22	Pit 3/21	6.504	72.691	72.626	1	SRC Concrete	300	1
Pit 1/23	72.88		600 x 900 PIT, CLASS D GRATE	Pit 1/23	Pit 4/21	6.5	71.905	71.84	1	SRC Concrete	300	1
Pit 1/24	72.713		2 x 600x900, CLASS D GRATE	Pit 1/24	Pit 5/21	6.499	71.459	71.134	5	SRC Concrete	300	1
Pit 1/25	72.635		3 x 600x900, CLASS D GRATE	Pit 1/25	Pit 12/17	6.5	70.13	70	2	SRC Concrete	450	1
Pit 1/26	73.479		2 x 600x900, CLASS D GRATE	Pit 1/26	Pit 11/17	6.501	71.43	71.3	2	SRC Concrete	300	1
Pit 1/27	74.841		600 x 900 PIT, CLASS D GRATE	Pit 1/27	Pit 10/17	6.5	73.867	73.802	1	SRC Concrete	300	1
Pit 1/28	76.19		600 x 900 PIT, CLASS D GRATE	Pit 1/28	Pit 9/17	6.508	75.215	75.15	1	SRC Concrete	300	1
Pit 1/29	68.339		3 x 600x900, CLASS D GRATE	Pit 1/29	Pit 16/17	6.524	66.555	66.49	1	SRC Concrete	525	1
Pit 1/30	68.875		600 x 900 PIT, CLASS D GRATE	Pit 1/30	Pit 2/30	6.501	67.901	67.835	1.02	SRC Concrete	375	1
Pit 2/30	68.876		600 x 900 PIT, CLASS D GRATE	Pit 2/30	Pit 3/30	32.384	67.805	67.482	1	SRC Concrete	375	1
Pit 3/30	68.715		600 x 900 PIT, CLASS D GRATE	Pit 3/30	Pit 4/30	28.009	67.452	65.982	5.25	SRC Concrete	375	1
Pit 4/30	66.957		600 x 900 PIT, CLASS D GRATE	Pit 4/30	Pit 5/30	30.357	65.857	64.642	4	SRC Concrete	375	1
Pit 5/30	65.742		600 x 900 PIT, CLASS D GRATE	Pit 5/30	Pit 6/30	27.598	64.612	64.336	1	SRC Concrete	375	1
Pit 6/30	65.447		600 x 900 PIT, CLASS D GRATE	Pit 6/30	Pit 7/30	27.829	64.306	64.028	1	SRC Concrete	375	1
Pit 7/30	65.308		600 x 900 PIT, CLASS D GRATE	Pit 7/30	Pit 8/30	15.999	62.112	61.952	1	SRC Concrete	450	1
Pit 8/30	64.142		600 x 900 PIT, CLASS D GRATE	Pit 8/30	Pit 9/30	18.889	61.922	61.733	1	SRC Concrete	450	1
Pit 1/31	66.184		2 x 600x900 PIT, CLASS D GRATE	Pit 1/31	Pit 2/31	6.504	64.613	64.548	1	SRC Concrete	450	1
Pit 2/31	66.182		600 x 900 PIT, CLASS D GRATE	Pit 2/31	Pit 3/31	29.734	64.518	64.221	1	SRC Concrete	450	1
Pit 3/31	65.889		600 x 900 PIT, CLASS D GRATE	Pit 3/31	Pit 4/31	30.927	64.191	63.882	1	SRC Concrete	450	1
Pit 4/31	65.57		600 x 900 PIT, CLASS D GRATE	Pit 4/31	Pit 5/31	42.312	63.852	63.12	1.73	SRC Concrete	450	1
Pit 5/31	64.174		3 x 600x900 PIT, CLASS D GRATE	Pit 5/31	Pit 6/31	6.533	63.09	63.057	0.51	SRC Concrete	450	1
Pit 6/31	64.162		3 x 600x900 PIT, CLASS D GRATE	Pit 6/31	Pit 7/31	11.759	63.027	62.968	0.5	SRC Concrete	450	1
Pit 7/31	64.71		3 x 600x900 PIT, CLASS D GRATE	Pit 7/31	Pit 8/31	6.514	62.938	62.867	1.09	SRC Concrete	450	1
Pit 8/31	64.722		600 x 900 PIT, CLASS D GRATE	Pit 8/31	Pit 9/31	31.46	62.837	62.522	1	SRC Concrete	450	1
Pit 9/31	65.134		600 x 900 PIT, CLASS D GRATE	Pit 9/31	Pit 7/30	35.042	62.492	62.142	1	SRC Concrete	450	1
Pit 1/32	63.083		900SQ PIT, CLASS C GRATE	Pit 1/32	Pit 2/32	17.491	61.643	60.319	7.57	SRC Concrete	375	1
Pit 2/32	61.76		900SQ PIT, CLASS C GRATE	Pit 2/32	Pit 3/32	23.484	60.289	60.054	1	SRC Concrete	375	1
Pit 3/32	61.274		900SQ PIT, CLASS C GRATE	Pit 3/32	Pit 4/32	26.25	59.767	58.772	3.79	SRC Concrete	375	1
Pit 4/32	60.364		600 x 900 PIT, CLASS D GRATE	Pit 4/32	Pit 5/32	14.12	58.742	58.671	0.5	SRC Concrete	375	1
Pit 1/33	66.957		600 x 900 PIT, CLASS D GRATE	Pit 1/33	Pit 4/30	6.5	66.027	65.962	1	SRC Concrete	300	1
Pit 1/34	65.732		600 x 900 PIT, CLASS D GRATE	Pit 1/34	Pit 5/30	6.516	64.757	64.692	1	SRC Concrete	300	1
Pit 1/35	65.447		600 x 900 PIT, CLASS D GRATE	Pit 1/35	Pit 6/30	6.5	64.472	64.407	1	SRC Concrete	300	1
Pit 1/36	65.306		600 x 900 PIT, CLASS D GRATE	Pit 1/36	Pit 7/30	6.508	64.331	64.266	1	SRC Concrete	300	1

Pit 1/37	65.134		600 x 900 PIT, CLASS D GRATE	Pit 1/37	Pit 9/31	6.5	64.159	64.094	1	SRC Concrete	300	1
Pit 1/38	65.567		600 x 900 PIT, CLASS D GRATE	Pit 1/38	Pit 4/31	6.502	64.592	64.527	1	SRC Concrete	375	1
Pit 1/39	65.889		600 x 900 PIT, CLASS D GRATE	Pit 1/39	Pit 3/31	6.5	64.915	64.798	1.8	SRC Concrete	375	1
Pit 1/40	63.077		2 x 600x900 PIT, CLASS D GRATE	Pit 1/40	Pit 5/68	5.03	62.177	62.12	1.13	SRC Concrete	300	1
Pit 1/41	79.2		900SQ PIT, CLASS C GRATE	Pit 1/41	Pit 2/41	5.507	75.775	75.5	4.99	SRC Concrete	375	1
Pit 2/41	78.595		2 x 600x900 PIT, CLASS D GRATE	Pit 2/41	Pit 3/41	36.949	75.336	74.967	1	SRC Concrete	525	1
Pit 3/41	77.694		2 x 600x900 PIT, CLASS D GRATE	Pit 3/41	Pit 5/20	36.542	74.937	74.572	1	SRC Concrete	525	1
Pit 1/42	77.864		600 x 900 PIT, CLASS D GRATE	Pit 1/42	Pit 2/42	6.505	76.889	76.824	1	SRC Concrete	375	1
Pit 2/42	77.85		600 x 900 PIT, CLASS D GRATE	Pit 2/42	Pit 3/42	39.324	76.794	73.745	7.75	SRC Concrete	375	1
Pit 3/42	74.718		2 x 600x900 PIT, CLASS D GRATE	Pit 3/42	Pit 4/42	35.868	73.362	71.265	5.85	SRC Concrete	375	1
Pit 4/42	72.617		600 x 900 PIT, CLASS D GRATE	Pit 4/42	Pit 5/42	6.499	71.235	71.17	1	SRC Concrete	375	1
Pit 5/42	72.617		600 x 900 PIT, CLASS D GRATE	Pit 5/42	Pit 6/42	22.525	71.14	69.701	6.39	SRC Concrete	375	1
Pit 1/43	88.352		600 x 900 PIT, CLASS D GRATE	Pit 1/43	Pit 2/43	31.092	87.454	84.33	10.05	SRC Concrete	300	1
Pit 2/43	85.212		600 x 900 PIT, CLASS D GRATE	Pit 2/43	Pit 3/43	28.6	84.167	81.803	8.27	SRC Concrete	300	1
Pit 3/43	82.864		600 x 900 PIT, CLASS D GRATE	Pit 3/43	Pit 4/43	34.855	81.773	79.65	6.09	SRC Concrete	300	1
Pit 4/43	80.55		600 x 900 PIT, CLASS D GRATE	Pit 4/43	Pit 5/43	31.463	79.62	76.531	9.82	SRC Concrete	300	1
Pit 5/43	77.431		600 x 900 PIT, CLASS D GRATE	Pit 5/43	Pit 6/43	30.922	76.501	73.438	9.91	SRC Concrete	300	1
Pit 6/43	74.339		600 x 900 PIT, CLASS D GRATE	Pit 6/43	Pit 7/43	27.873	73.184	70.801	8.55	SRC Concrete	300	1
Pit 7/43	71.956		2 x 600x900 PIT, CLASS D GRATE	Pit 7/43	Pit 8/43	24.906	70.771	68.5	9.12	SRC Concrete	375	1
Pit 8/43	71		600 x 900 PIT, CLASS D GRATE	Pit 8/43	Pit 9/43	40.968	66.971	65.629	3.28	SRC Concrete	525	2
Pit 9/43	67.332		600 x 900 PIT, CLASS D GRATE	Pit 9/43	Pit 10/43	26.556	65.599	65.068	2	SRC Concrete	525	2
Pit 10/43	66.234		3 x 600x900 PIT, CLASS D GRATE	Pit 10/43	Pit 11/43	12.876	65.038	64.996	0.33	SRC Concrete	525	2
Pit 11/43	66.411		600 x 900 PIT, CLASS D GRATE	Pit 11/43	Pit 12/43	6.512	64.966	64.945	0.32	SRC Concrete	525	2
Pit 12/43	66.409		600 x 900 PIT, CLASS D GRATE	Pit 12/43	Pit 13/43	21.179	64.915	64.845	0.33	SRC Concrete	525	2
Pit 13/43	66.312		3 x 600x900 PIT, CLASS D GRATE	Pit 13/43	Pit 14/43	7.663	64.815	64.79	0.33	SRC Concrete	525	2
Pit 1/44	66.587		2 x 600x900 PIT, CLASS D GRATE	Pit 1/44	Pit 2/44	6.501	65.612	65.547	1	SRC Concrete	375	1
Pit 2/44	66.586		600 x 900 PIT, CLASS D GRATE	Pit 2/44	Pit 3/44	15.917	65.517	65.357	1.01	SRC Concrete	375	1
Pit 1/45	66.234		3 x 600x900 PIT, CLASS D GRATE	Pit 1/45	Pit 3/44 (2)	9.226	64.887	64.85	0.4	SRC Concrete	375	1
Pit 1/46	72.2		2 x 900SQ PIT, CLASS C GRATE	Pit 1/46	Pit 2/46	5.56	71.686	71.658	0.5	SRC Concrete	375	1
Pit 2/46	73.202		600 x 900 PIT, CLASS D GRATE	Pit 2/46	Pit 3/46	30.568	71.628	71.322	1	SRC Concrete	375	1
Pit 3/46	72.297		600 x 900 PIT, CLASS D GRATE	Pit 3/46	Pit 4/46	6.521	71.292	71.227	1	SRC Concrete	375	1
Pit 4/46	72.281		600 x 900 PIT, CLASS D GRATE	Pit 4/46	Pit 8/43	18.765	70.898	69.617	6.83	SRC Concrete	375	1
Pit 1/47	74.404		600 x 900 PIT, CLASS D GRATE	Pit 1/47	Pit 2/47	31.914	73.43	71.834	5	SRC Concrete	375	1
Pit 2/47	73.862		600 x 900 PIT, CLASS D GRATE	Pit 2/47	Pit 3/47	56.973	71.804	68.67	5.5	SRC Concrete	375	1
Pit 3/47	70.317		2 x 600x900 PIT, CLASS D GRATE	Pit 3/47	Pit 4/47	6.5	68.64	68.575	1	SRC Concrete	450	1
Pit 4/47	70.317		2 x 600x900 PIT, CLASS D GRATE	Pit 4/47	Pit 5/47	42.29	68.545	68.122	1	SRC Concrete	450	1
Pit 5/47	71.495		600 x 900 PIT, CLASS D GRATE	Pit 5/47	Pit 8/43	19.919	68.092	67.001	5.48	SRC Concrete	525	1
Pit 1/48	73.868		600 x 900 PIT, CLASS D GRATE	Pit 1/48	Pit 2/47	6.501	72.893	72.828	1	SRC Concrete	375	1

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			1	DEVELOPMENT APPLICATION	24/08/17							SCALE AS SHOWN		DRAWN M.C.Z.	DESIGNED N.M.	CHECKED N.M.	APPROVED M.C.
												JOB No. 5162001		DRAWING No. C7.18	ISSUE 1		
					DATE AUG 2017	STATUS DEVELOPMENT APPLICATION											

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Pit 1/49	74.702		600 x 900 PIT, CLASS D GRATE	Pit 1/49	Pit 2/49	6.504	73.727	73.662	1	SRC Concrete	375	1
Pit 2/49	74.7		600 x 900 PIT, CLASS D GRATE	Pit 2/49	Pit 3/49	15.806	73.632	71.482	13.6	SRC Concrete	375	1
Pit 3/49	73.926		600 x 900 PIT, CLASS D GRATE	Pit 3/49	Pit 4/49	29.25	71.208	68.081	10.69	SRC Concrete	375	1
Pit 4/49	70.938		600 x 900 PIT, CLASS D GRATE	Pit 4/49	Pit 5/49	31.184	68.051	64.933	10	SRC Concrete	375	1
Pit 5/49	67.801		600 x 900 PIT, CLASS D GRATE	Pit 5/49	Pit 6/49	31.385	64.913	61.775	10	SRC Concrete	375	1
Pit 6/49	64.688		600 x 900 PIT, CLASS D GRATE	Pit 6/49	Pit 7/49	31.438	61.477	59.905	5	SRC Concrete	375	1
Pit 7/49	61.661		600 x 900 PIT, CLASS D GRATE	Pit 7/49	Pit 8/49	27.936	59.875	59.177	2.5	SRC Concrete	375	1
Pit 8/49	60.178		600 x 900 PIT, CLASS D GRATE	Pit 8/49	Pit 9/49	6.826	59.147	58.601	8	SRC Concrete	375	1
Pit 9/49	60.135		600 x 900 PIT, CLASS D GRATE	Pit 9/49	Pit 10/49	17.292	58.571	57.318	7.25	SRC Concrete	375	1
Pit 10/49	59.583		2 x 600x900 PIT, CLASS D GRATE	Pit 10/49	Pit 11/49	6.5	57.288	56.963	5	SRC Concrete	375	1
Pit 11/49	59.583		2 x 600x900 PIT, CLASS D GRATE	Pit 11/49	Pit 12/49	20.562	56.933	56.522	2	SRC Concrete	450	1
Pit 12/49	58.079		600 x 900 PIT, CLASS D GRATE	Pit 12/49	Pit 13/49	20.977	56.492	56.072	2	SRC Concrete	450	1
Pit 13/49	57.108		600 x 900 PIT, CLASS D GRATE	Pit 13/49	Pit 14/49	21.383	56.042	55.585	2.14	SRC Concrete	450	1
Pit 1/50	71.008		600 x 900 PIT, CLASS D GRATE	Pit 1/50	Pit 4/49	6.538	70.133	70.046	1.33	SRC Concrete	225	1
Pit 1/51	67.827		2 x 600x900 PIT, CLASS D GRATE	Pit 1/51	Pit 5/49	6.505	66.852	66.787	1	SRC Concrete	375	1
Pit 1/52	64.738		600 x 900 PIT, CLASS D GRATE	Pit 1/52	Pit 6/49	6.519	63.763	63.697	1.01	SRC Concrete	375	1
Pit 1/53	61.678		600 x 900 PIT, CLASS D GRATE	Pit 1/53	Pit 7/49	6.504	60.703	60.638	1	SRC Concrete	375	1
Pit 1/54	60.258		600 x 900 PIT, CLASS D GRATE	Pit 1/54	Pit 2/54	6.501	59.358	59.293	1	SRC Concrete	300	1
Pit 2/54	60.258		600 x 900 PIT, CLASS D GRATE	Pit 2/54	Pit 11/49	29.306	59.263	56.963	7.85	SRC Concrete	375	1
Pit 1/55	65.926		600 x 900 PIT, CLASS D GRATE	Pit 1/55	Pit 2/55	5.587	64.992	64.936	1	SRC Concrete	225	1
Pit 2/55	65.904		600 x 900 PIT, CLASS D GRATE	Pit 2/55	Pit 3/55	30.696	64.906	63.327	5.14	SRC Concrete	375	1
Pit 3/55	64.261		600 x 900 PIT, CLASS D GRATE	Pit 3/55	Pit 4/55	31.021	63.187	60.846	7.55	SRC Concrete	375	1
Pit 4/55	61.782		600 x 900 PIT, CLASS D GRATE	Pit 4/55	Pit 5/55	27.855	60.522	58.331	7.87	SRC Concrete	375	1
Pit 5/55	59.63		2 x 600x900 PIT, CLASS D GRATE	Pit 5/55	Pit 6/55	24.184	57.978	57.736	1	SRC Concrete	450	1
Pit 6/55	59.745		600 x 900 PIT, CLASS D GRATE	Pit 6/55	Pit 11/49	9.282	57.706	56.963	8	SRC Concrete	450	1
Pit 1/56	64.282		600 x 900 PIT, CLASS D GRATE	Pit 1/56	Pit 3/55	5.585	63.273	63.217	1	SRC Concrete	450	1
Pit 1/57	61.797		600 x 900 PIT, CLASS D GRATE	Pit 1/57	Pit 4/55	5.586	60.788	60.732	1	SRC Concrete	450	1
Pit 1/58	60.3		2 x 600x900 PIT, CLASS D GRATE	Pit 1/58	Pit 2/58	4.5	58.148	58.103	1	SRC Concrete	450	1
Pit 2/58	59.63		600 x 900 PIT, CLASS D GRATE	Pit 2/58	Pit 5/55	6.5	58.073	58.008	1	SRC Concrete	450	1
Pit 1/59	59.839		600 x 900 PIT, CLASS D GRATE	Pit 1/59	Pit 2/59	6.531	58.854	58.832	0.34	SRC Concrete	375	1
Pit 2/59	59.842		600 x 900 PIT, CLASS D GRATE	Pit 2/59	Pit 3/59	31.368	58.802	58.698	0.33	SRC Concrete	375	2
Pit 3/59	59.682		600 x 900 PIT, CLASS D GRATE	Pit 3/59	Pit 4/59	31.31	58.668	58.565	0.33	SRC Concrete	375	2
Pit 4/59	59.527		600 x 900 PIT, CLASS D GRATE	Pit 4/59	Pit 5/59	32.526	58.535	58.428	0.33	SRC Concrete	375	2
Pit 5/59	59.369		2 x 600x900 PIT, CLASS D GRATE	Pit 5/59	Pit 6/59	33.649	58.398	58.297	0.3	SRC Concrete	375	2
Pit 6/59	59.242		3 x 600x900 PIT, CLASS D GRATE	Pit 6/59	Pit 7/59	6.5	58.267	58.246	0.32	SRC Concrete	375	2
Pit 7/59	59.242		3 x 600x900 PIT, CLASS D GRATE	Pit 7/59	Pit 8/59	13.97	58.216	58.17	0.33	SRC Concrete	450	2
Pit 1/60	59.526		600 x 900 PIT, CLASS D GRATE	Pit 1/60	Pit 4/59	6.507	58.655	58.622	0.51	SRC Concrete	225	2
Pit 1/61	62.318		600 x 900 PIT, CLASS D GRATE	Pit 1/61	Pit 1/61	6.503	61.331	61.266	1	SRC Concrete	375	1
Pit 2/61	60.738		600 x 900 PIT, CLASS D GRATE	Pit 2/61	Pit 3/61	34.155	59.424	58.72	2.06	SRC Concrete	375	1
Pit 3/61	59.92		600 x 900 PIT, CLASS D GRATE	Pit 3/61	Pit 4/61	31.738	58.69	58.373	1	SRC Concrete	375	1

Pit 4/61	59.618		600 x 900 PIT, CLASS D GRATE	Pit 4/61	Pit 5/61	26.448	58.343	58.237	0.4	SRC Concrete	375	2
Pit 5/61	59.367		600 x 900 PIT, CLASS D GRATE	Pit 5/61	Pit 6/61	9.156	58.207	58.17	0.4	SRC Concrete	375	2
Pit 1/62	62.306		600 x 900 PIT, CLASS D GRATE	Pit 1/62	Pit 1/61	6.503	61.331	61.266	1	SRC Concrete	375	1
Pit 1/63	60.707		600 x 900 PIT, CLASS D GRATE	Pit 1/63	Pit 2/61	6.555	59.732	59.666	1.01	SRC Concrete	375	1
Pit 1/64	59.916		600 x 900 PIT, CLASS D GRATE	Pit 1/64	Pit 3/61	6.516	58.942	58.856	1.32	SRC Concrete	375	1
Pit 1/65	59.616		600 x 900 PIT, CLASS D GRATE	Pit 1/65	Pit 4/61	6.502	58.642	58.577	1	SRC Concrete	375	1
Pit 1/66	59.366		600 x 900 PIT, CLASS D GRATE	Pit 1/66	Pit 5/61	6.502	58.302	58.237	1	SRC Concrete	375	2
Pit 1/67	74.456		600 x 900 PIT, CLASS D GRATE	Pit 1/67	Pit 2/67	6.525	73.556	73.491	1	SRC Concrete	300	1
Pit 2/67	74.427		600 x 900 PIT, CLASS D GRATE	Pit 2/67	Pit 3/67	30.599	73.461	71.051	7.88	SRC Concrete	300	1
Pit 3/67	71.951		600 x 900 PIT, CLASS D GRATE	Pit 3/67	Pit 4/67	30.352	71.021	67.936	10.16	SRC Concrete	300	1
Pit 4/67	68.916		600 x 900 PIT, CLASS D GRATE	Pit 4/67	Pit 5/67	33.147	67.872	64.886	9.01	SRC Concrete	300	1
Pit 5/67	65.93		600 x 900 PIT, CLASS D GRATE	Pit 5/67	Pit 6/67	29.536	64.687	63.283	4.75	SRC Concrete	375	1
Pit 6/67	64.4		600 x 900 PIT, CLASS D GRATE	Pit 6/67	Pit 7/67	30.141	63.253	61.999	4.16	SRC Concrete	375	1
Pit 7/67	62.973		600 x 900 PIT, CLASS D GRATE	Pit 7/67	Pit 8/67	40.109	61.923	58.676	8.1	SRC Concrete	450	1
Pit 8/67	59.726		600 x 900 PIT, CLASS D GRATE	Pit 8/67	Pit 9/67	40.326	58.629	55.274	8.32	SRC Concrete	450	1
Pit 9/67	56.368		600 x 900 PIT, CLASS D GRATE	Pit 9/67	Pit 10/67	27.424	55.191	53.964	4.47	SRC Concrete	450	1
Pit 1/68	72.188		600 x 900 PIT, CLASS D GRATE	Pit 1/68	Pit 2/68	6.163	71.288	71.226	1.01	SRC Concrete	300	1
Pit 2/68	72.188		600 x 900 PIT, CLASS D GRATE	Pit 2/68	Pit 3/68	37.544	71.196	68.409	7.42	SRC Concrete	300	1
Pit 3/68	69.309		600 x 900 PIT, CLASS D GRATE	Pit 3/68	Pit 4/68	31.901	68.379	65.285	9.7	SRC Concrete	300	1
Pit 4/68	66.185		600 x 900 PIT, CLASS D GRATE	Pit 4/68	Pit 5/68	31.441	65.233	62.134	9.86	SRC Concrete	300	1
Pit 5/68	63.034		600 x 900 PIT, CLASS D GRATE	Pit 5/68	Pit 6/68	41.242	62.09	58.002	9.91	SRC Concrete	300	1
Pit 6/68	58.902		600 x 900 PIT, CLASS D GRATE	Pit 6/68	Pit 7/68	33.477	57.124	54.795	6.96	SRC Concrete	375	1
Pit 7/68	55.645		2 x 600x900 PIT, CLASS D GRATE	Pit 7/68	Pit 8/68	12.75	54.547	54.42	1	SRC Concrete	375	1
Pit 8/68	55.489		600 x 900 PIT, CLASS D GRATE	Pit 8/68	Pit 9/68	38.582	54.39	54.236	0.4	SRC Concrete	375	1
Pit 9/68	55.219		3 x 600x900 PIT, CLASS D GRATE	Pit 9/68	Pit 10/68	4.996	53.909	53.894	0.3	SRC Concrete	450	1
Pit 10/68	55.218		600 x 900 PIT, CLASS D GRATE	Pit 10/68	Pit 11/68	28.257	53.864	53.779	0.3	SRC Concrete	450	1
Pit 11/68	55.065		600 x 900 PIT, CLASS D GRATE	Pit 11/68	Pit 12/68	28.43	53.749	53.664	0.3	SRC Concrete	450	1
Pit 12/68	54.919		600 x 900 PIT, CLASS D GRATE	Pit 12/68	Pit 13/68	41.096	53.664	53.541	0.3	SRC Concrete	450	1
Pit 13/68	54.711		600 x 900 PIT, CLASS D GRATE	Pit 13/68	Pit 14/68	33.526	53.511	53.41	0.3	SRC Concrete	450	1
Pit 14/68	54.583		2 x 600x900 PIT, CLASS D GRATE	Pit 14/68	Pit 15/68	2	53.38	53.375	0.25	SRC Concrete	450	1
Pit 1/69	68.976		600 x 900 PIT, CLASS D GRATE	Pit 1/69	Pit 4/67	6.528	68.001	67.936	1	SRC Concrete	375	1
Pit 1/70	63.019		600 x 900 PIT, CLASS D GRATE	Pit 1/70	Pit 7/67	6.539	62.044	61.979	0.99	SRC Concrete	375	1
Pit 1/71	66.228		2 x 600x900 PIT, CLASS D GRATE	Pit 1/71	Pit 4/68	6.515	65.328	65.263	1	SRC Concrete	300	1
Pit 1/72	58.899		2 x 600x900 PIT, CLASS D GRATE	Pit 1/72	Pit 6/68	6.5	57.999	57.934	1	SRC Concrete	300	1
Pit 1/73	54.919		2 x 600x900 PIT, CLASS D GRATE	Pit 1/73	Pit 12/68	6.5	53.944	53.879	1	SRC Concrete	375	1
Pit 1/74	54.283		900SQ PIT, CLASS C GRATE	Pit 1/74	Pit 2/74	3.92	53.608	53.569	0.99	SRC Concrete	225	3
Pit 2/74	54.583		2 x 600x900 PIT, CLASS D GRATE	Pit 2/74	Pit 14/68	4.97	53.539	53.514	0.5	SRC Concrete	300	2

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REVISION	AMENDMENT	DATE
1	DEVELOPMENT APPLICATION	24/08/17

REVISION	AMENDMENT	DATE



Catholic Cemeteries & Crematoria
Core, Compassion, Choice

PROJECT

MACARTHUR MEMORIAL PARK

PREPARED BY



Warren Smith & Partners Pty Ltd
1st Floor, 123 Clarence Street, Sydney 2000 NSW Australia
T 02 9298 1312 F 02 9290 1295 wsp@warrensmith.com.au
www.warrensmith.com.au ABN 36 300 430 126

CONSULTING ENGINEERS

■ Hydraulic Services ■ Fire Protection ■ Civil Engineering
■ Sydney Water Accredited Water Servicing Co-ordinator
- Design Project Management - Building Plan Approvals

SERVING THE CONSTRUCTION INDUSTRY SINCE 1981.

TITLE

STORMWATER PIT SCHEDULE

SHEET 3 OF 5

SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
AS SHOWN	M.C.Z.	N.M.	N.M.	M.C.
JOB No.	DRAWING No.		ISSUE	
5162001	C7.19		1	
DATE	STATUS			
AUG 2017	DEVELOPMENT APPLICATION			

PRELIMINARY - NOT FOR CONSTRUCTION

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Pit 1/97	79		900SQ PIT, CLASS C GRATE	Pit 1/97	Pit 2/97	19.752	77.832	77.393	2.22	SRC Concrete	375	1
Pit 2/97	79		900SQ PIT, CLASS C GRATE	Pit 2/97	Pit 3/97	19.626	77.363	76.886	2.43	SRC Concrete	375	1
Pit 3/97	79		900SQ PIT, CLASS C GRATE	Pit 3/97	Pit 4a/97	14.461	76.856	76.697	1.1	SRC Concrete	375	1
Pit 4a/97	79		900SQ PIT, CLASS C GRATE	Pit 4a/97	Pit 10/9	15.145	76.667	75.871	5.26	SRC Concrete	375	1
Pit 1/98	56.65		2 x 600x900 PIT, CLASS D GRATE	Pit 1/98	Pit 2/98	6.564	55.75	55.717	0.5	SRC Concrete	300	1
Pit 2/98	56.638		600 x 900 PIT, CLASS D GRATE	Pit 2/98	Pit 3/98	35.056	55.687	54.703	2.81	SRC Concrete	300	1
Pit 3/98	55.603		600 x 900 PIT, CLASS D GRATE	Pit 3/98	Pit 4/98	33.569	54.673	54.505	0.5	SRC Concrete	300	1
Pit 1/99	55.609		600 x 900 PIT, CLASS D GRATE	Pit 1/99	Pit 3/98	6.505	54.736	54.703	0.51	SRC Concrete	300	1
Pit 1/100	70.031		600 x 900 PIT, CLASS D GRATE	Pit 1/100	Pit 4/120	6.529	69.056	68.991	1	SRC Concrete	375	1
Pit 1/101	71.289		3 x 600x900 PIT, CLASS D GRATE	Pit 1/101	Pit 2/101	6.869	69.878	69.549	4.79	SRC Concrete	375	1
Pit 2/101	71.186		3 x 600x900 PIT, CLASS D GRATE	Pit 2/101	Pit 3/101	21.413	69.519	69.305	1	SRC Concrete	375	1
Pit 3/101	70.445		600 x 900 PIT, CLASS D GRATE	Pit 3/101	Pit 4/101	9.652	69.275	69.178	1	SRC Concrete	375	1
Pit 1/102	77.809		600 x 900 PIT, CLASS D GRATE	Pit 1/102	Pit 2/102	6.568	76.984	76.875	1.66	SRC Concrete	225	1
Pit 2/102	77.745		600 x 900 PIT, CLASS D GRATE	Pit 2/102	Pit 3/102	24.256	76.845	74.11	11.28	SRC Concrete	225	1
Pit 3/102	75.369		600 x 900 PIT, CLASS D GRATE	Pit 3/102	Pit 4/102	9.474	74.07	73.975	1	SRC Concrete	225	1
Pit 1/103	77.6		2 x 900SQ PIT, CLASS C GRATE	Pit 1/103	Pit 2/103	5.64	76.279	76.223	0.99	SRC Concrete	450	1
Pit 2/103	77.668		2 x 600x900 PIT, CLASS D GRATE	Pit 2/103	Pit 3/103	6.5	76.193	76.128	1	SRC Concrete	450	1
Pit 3/103	77.668		2 x 600x900 PIT, CLASS D GRATE	Pit 3/103	Pit 4/103	13.184	76.098	75.966	1	SRC Concrete	450	1
Pit 1/104	78.385		600 x 900 PIT, CLASS D GRATE	Pit 1/104	Pit 3/103	25.29	77.449	76.733	2.83	SRC Concrete	300	1
Pit 1/105	78.499		600 x 900 PIT, CLASS D GRATE	Pit 1/105	Pit 2/105	39.495	77.285	75.3	5.03	SRC Concrete	375	1
Pit 2/105	76.514		600 x 900 PIT, CLASS D GRATE	Pit 2/105	Pit 3/105	26.08	75.27	73.603	6.39	SRC Concrete	375	1
Pit 1/106	83.699		600 x 900 PIT, CLASS D GRATE	Pit 1/106	Pit 2/106	4.315	82.731	82.688	1	SRC Concrete	300	1
Pit 1/107	87.635		600 x 900 PIT, CLASS D GRATE	Pit 1/107	Pit 2/107	7.824	86.709	86.558	1.93	SRC Concrete	300	1
Pit 1/108	88.747		600 x 900 PIT, CLASS D GRATE	Pit 1/108	Pit 2/108	7.273	87.743	87.67	1	SRC Concrete	300	1
Pit 1/109	45.738		2 x 600x900 PIT, CLASS D GRATE	Pit 1/109	Pit 19/78	6.1	44.918	44.888	0.49	SRC Concrete	300	1
Pit 1/111	59.807		2 x 600x900 PIT, CLASS D GRATE	Pit 1/111	Pit 4/90	9.511	58.838	58.615	2.34	SRC Concrete	450	1
Pit 1/112	70.445		3 x 600x900 PIT, CLASS D GRATE	Pit 1/112	Pit 3/101	6.501	69.47	69.405	1	SRC Concrete	375	1
Pit 1/113	66.287		2 x 600x900 PIT, CLASS D GRATE	Pit 1/113	Pit 4/2	6.501	65.312	65.247	1	SRC Concrete	375	1
Pit 1/114	60.105		2 x 600x900 PIT, CLASS D GRATE	Pit 1/114	Pit 2/114	6.5	59.13	59.065	1	SRC Concrete	375	1
Pit 2/114	60.105		600 x 900 PIT, CLASS D GRATE	Pit 2/114	Pit 4/32	26.25	59.035	58.772	1	SRC Concrete	375	1
Pit 1/115	72.95		2 x 900SQ PIT, CLASS C GRATE	Pit 1/115	Pit 4/42	4.657	71.312	71.265	1.01	SRC Concrete	375	1
Pit 1/116	68.465		600 x 900 PIT, CLASS D GRATE	Pit 1/116	Pit 12/1	9.89	67.431	67.28	1.53	SRC Concrete	375	1
Pit 1/117	55.617		2 x 600x900 PIT, CLASS D GRATE	Pit 1/117	Pit 7/68	6.519	54.642	54.577	1	SRC Concrete	375	1

Pit 1/118	43.082		2 x 600x900 PIT, CLASS D GRATE	Pit 1/118	Pit 12/75	6.5	42.107	42.042	1	SRC Concrete	375	1
Pit 1/119	66.312		3 x 600x900 PIT, CLASS D GRATE	Pit 1/119	Pit 14/43 (2)	6.5	64.913	64.848	1	SRC Concrete	450	1
Pit 1/120	69.7		2 x 900SQ PIT, CLASS C GRATE	Pit 1/120	Pit 2/120	3	67.729	67.639	3	SRC Concrete	300	1
Pit 2/120	68.487		600 x 900 PIT, CLASS D GRATE	Pit 2/120	Pit 3/120	13.408	67.512	67.445	0.5	SRC Concrete	375	1
Pit 3/120	68.487		600 x 900 PIT, CLASS D GRATE	Pit 3/120	Pit 4/120	40.939	67.415	67.21	0.5	SRC Concrete	375	1
Pit 4/120	70.009		600 x 900 PIT, CLASS D GRATE	Pit 4/120	Pit 5/120	16.119	67.18	67.099	0.5	SRC Concrete	375	
Pit 1/121	62.619		900SQ PIT, CLASS C GRATE	Pit 1/121	Pit 3/32	16.741	61.141	59.797	8.03	SRC Concrete	375	1
Pit 1/122	65.835		900SQ PIT, CLASS C GRATE	Pit 1/122	Pit 2/122	15.348	64.86	64.707	1	SRC Concrete	375	1
Pit 2/122	65.758		900SQ PIT, CLASS C GRATE	Pit 2/122	Pit 3/122	10.652	64.677	64.57	1	SRC Concrete	375	1
Pit 1/123	84.329		2 x 900SQ PIT, CLASS C GRATE	Pit 1/123	Pit 2/1	5.629	81.362	81.081	4.99	SRC Concrete	375	1
Pit 1/124	79.425		900SQ PIT, CLASS C GRATE	Pit 1/124	Pit 2/17	4.795	78.207	78.111	2	SRC Concrete	375	1
Pit 1/125	79.215		900SQ PIT, CLASS C GRATE	Pit 1/125	Pit 4/17	5.909	77.623	77.564	1	SRC Concrete	375	1
Pit 1/126	80.972		900SQ PIT, CLASS C GRATE	Pit 1/126	Pit 5/17	4.94	76.62	76.373	5	SRC Concrete	375	1
Pit 1/127	81.126		900SQ PIT, CLASS C GRATE	Pit 1/127	Pit 7/17	4.868	74.987	74.5	10	SRC Concrete	375	1
Pit 1/128	80.416		900SQ PIT, CLASS C GRATE	Pit 1/128	Pit 3/20	8.762	75.929	75.105	9.4	SRC Concrete	375	1
Pit 1/129	82.376		900SQ PIT, CLASS C GRATE	Pit 1/129	Pit 2/20	8.854	78.466	78.023	5	SRC Concrete	375	1
Pit 1/130	84.065		900SQ PIT, CLASS C GRATE	Pit 1/130	Pit 1/20	8.785	82.449	81.233	13.84	SRC Concrete	375	1
Pit 1/132	65.55		2 x 900SQ PIT, CLASS C GRATE	Pit 1/132	Pit 6/31	7.945	63.341	63.262	0.99	SRC Concrete	300	1
Pit 1/133	59.353		2 x 900SQ PIT, CLASS C GRATE	Pit 1/133	Pit 4/59	5.011	58.642	58.622	0.4	SRC Concrete	300	2
Pit 1/135	68.439		900SQ PIT, CLASS C GRATE	Pit 1/135	Pit 1/29	6.524	66.65	66.585	1	SRC Concrete	525	1
Pit 1/136	55.78		900SQ PIT, CLASS C GRATE	Pit 1/136	Pit 13/68	9.9	54.88	53.811	10.8	SRC Concrete	300	1
Pit 1/137	54.786		900SQ PIT, CLASS C GRATE	Pit 1/137	Pit 9/78	6.1	53.886	53.825	1	SRC Concrete	300	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	CLIENT	 Catholic Cemeteries & Crematoria Core, Compassion, Choice	PREPARED BY  Warren Smith & Partners Pty Ltd 1st Floor, 123 Clarence Street, Sydney 2000 NSW Australia T 02 9298 1312 F 02 9290 1295 wsp@warrensmith.com.au www.warrensmith.com.au ABN 36 300 430 126	CONSULTING ENGINEERS ■ Hydraulic Services ■ Fire Protection ■ Civil Engineering ■ Sydney Water Accredited Water Servicing Co-ordinator - Design Project Management - Building Plan Approvals SERVING THE CONSTRUCTION INDUSTRY SINCE 1981.	TITLE	STORMWATER PIT SCHEDULE SHEET 5 OF 5								
			1	DEVELOPMENT APPLICATION	24/08/17								SCALE	AS SHOWN	DRAWN	M.C.Z.	DESIGNED	N.M.	CHECKED	N.M.	APPROVED	M.C.
														JOB No.	5162001		DRAWING No.		C7.21		ISSUE	1
											DATE	AUG 2017		STATUS		DEVELOPMENT APPLICATION						

PRELIMINARY - NOT FOR CONSTRUCTION