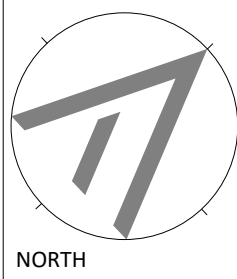




PURPOSE OF ISSUE	BY	DATE	ISSUE No.
Internal Review		31.06.2019	1
Client Review	PG	15.08.2019	2
Consultants Issue, dwg.pdf		06.09.19	3
Adjusted to Consultant input	BLC	06.11.19	4
Prelim DA to Consultants	BLC	18.11.19	5
DA ISSUE	BLC	11.12.19	6



DRAWN:	BLC
CHECKED:	PG
VERIFIED:	Approver
SHEET SIZE:	A1
SCALE:	1 : 1000

DESIGN DEVELOPMENT		
SITE PLAN		
SHEET		
PROJECT NO.	19111	DA001
SHEET NO.		6
ISSUE		



Schedule of Accommodation - Block M Hall		
Name	Area	
AC WC	5.5 m <sup>2</sup>	
AV	10.0 m <sup>2</sup>	
CIRCULATION	15.5 m <sup>2</sup>	
COLA	241.0 m <sup>2</sup>	
COMMS	6.5 m <sup>2</sup>	
FEMALE	22.0 m <sup>2</sup>	
FOYER	101.0 m <sup>2</sup>	
GYM	196.0 m <sup>2</sup>	
MALE	20.0 m <sup>2</sup>	
MPH	974.0 m <sup>2</sup>	
PLANT 1	9.0 m <sup>2</sup>	
PLANT 2	6.5 m <sup>2</sup>	
SERVERY	10.5 m <sup>2</sup>	
STAGE	135.5 m <sup>2</sup>	
STORE	30.5 m <sup>2</sup>	
STORE	71.5 m <sup>2</sup>	
STORE	11.5 m <sup>2</sup>	
STORE	30.5 m <sup>2</sup>	
Total Area (Block M)	1897.5 m <sup>2</sup>	

ARCHITECT

ALLEANZA  
ARCHITECTURE

CLIENT

TRUSTEES OF THE ROMAN CATHOLIC  
CHURCH - DIOCESE OF WOLLONGONG

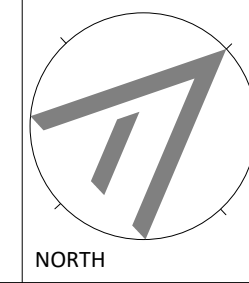
PROJECT

MAGDALENE CATHOLIC HIGH  
New Multi-Purpose Hall

ADDRESS

SMEATON GRANGE ROAD  
NARELLAN NSW 2567

PURPOSE OF ISSUE	BY	DATE	ISSUE No.
Design Development		28.08.19	3
Consultants Issue, dwg.pdf		06.09.19	4
Building adjusted generally	BLC	25.09.19	5
Car park adjusted	BLC	15.10.19	6
Adjusted to Consultant input	BLC	06.11.19	7
Prelim DA to Consultants	BLC	18.11.19	8
DA ISSUE	BLC	11.12.19	9



DRAWN:	EJ
CHECKED:	PG
VERIFIED:	PG
SHEET SIZE:	A1
SCALE:	1 : 200

19111

PROJECT NO.

DESIGN DEVELOPMENT

PART SITE PLAN

SHEET

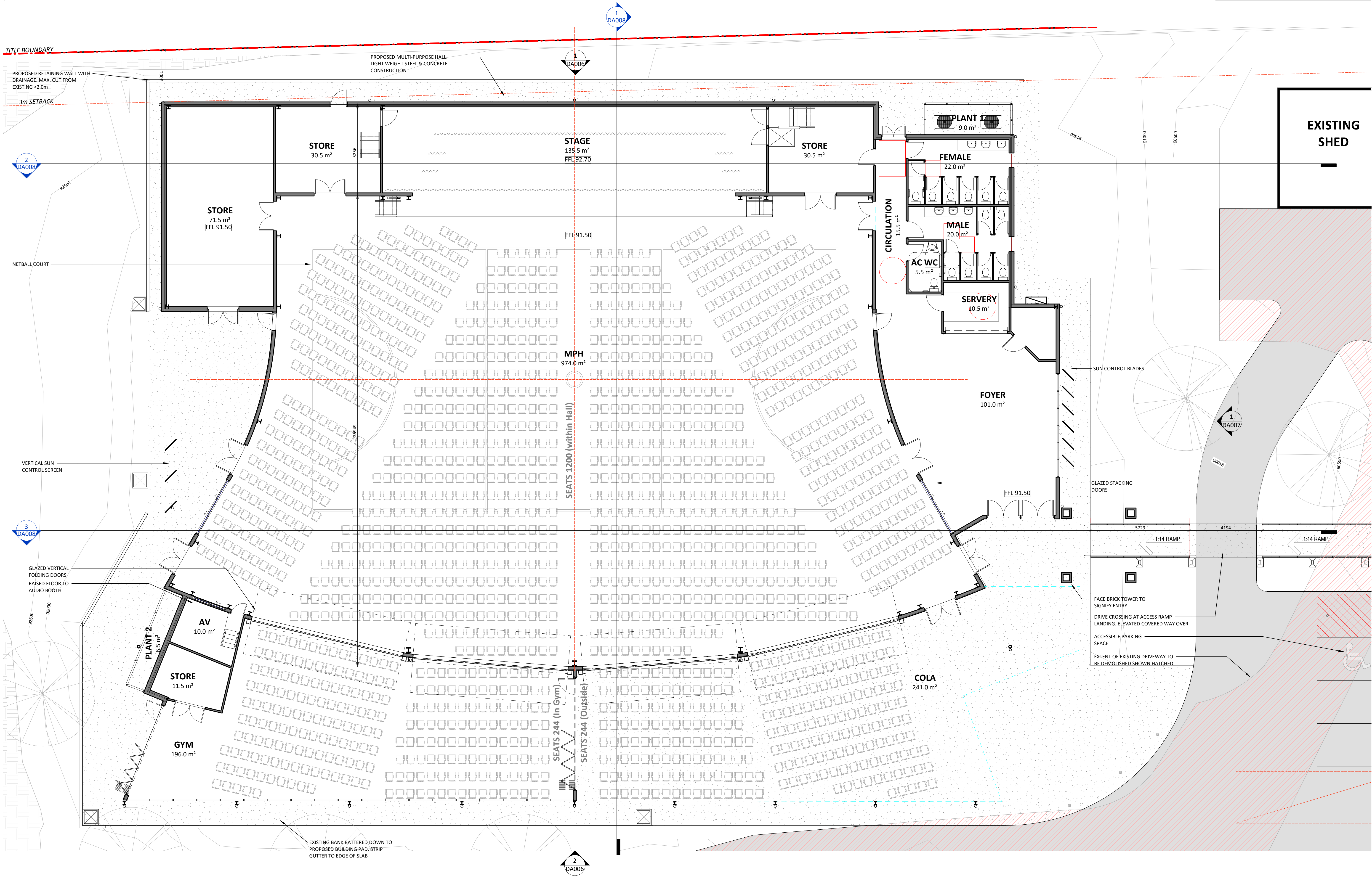
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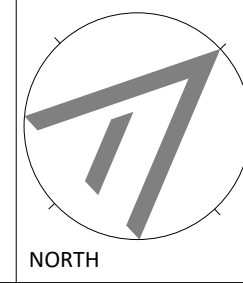
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ISSUE





PURPOSE OF ISSUE	BY	DATE	ISSUE No.
Internal Review		31.06.2019	1
Client Review	PG	15.08.2019	2
Design Development		28.08.19	3
Consultants Issue, dwg.pdf		06.09.19	4
Adjusted to Consultant input	BLC	06.11.19	5
Prelim DA to Consultants	BLC	18.11.19	6
DA ISSUE	BLC	11.12.19	7



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VERIFIED:	PG
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19111  
PROJECT NO.

## DESIGN DEVELOPMENT

### FLOOR PLAN

SHEET

DA004

SHEET NO.

7  
ISSUE

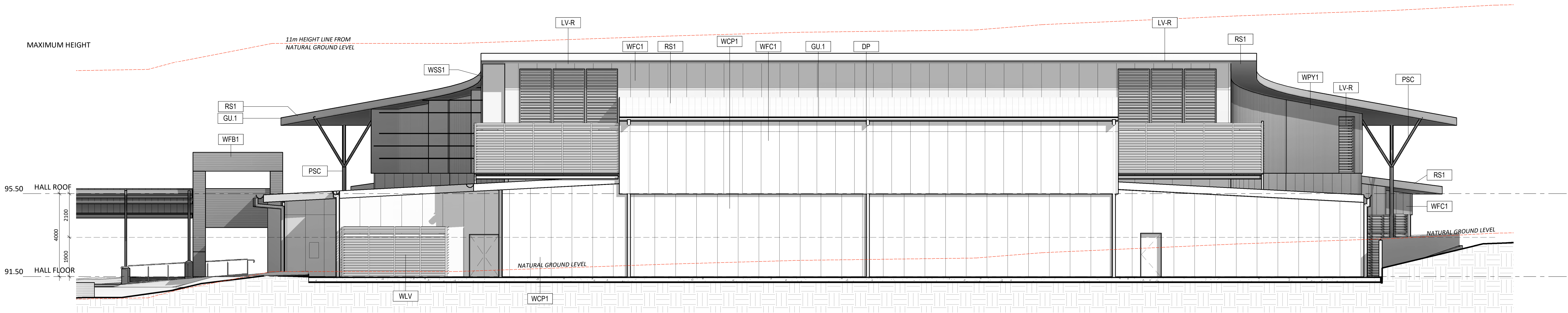




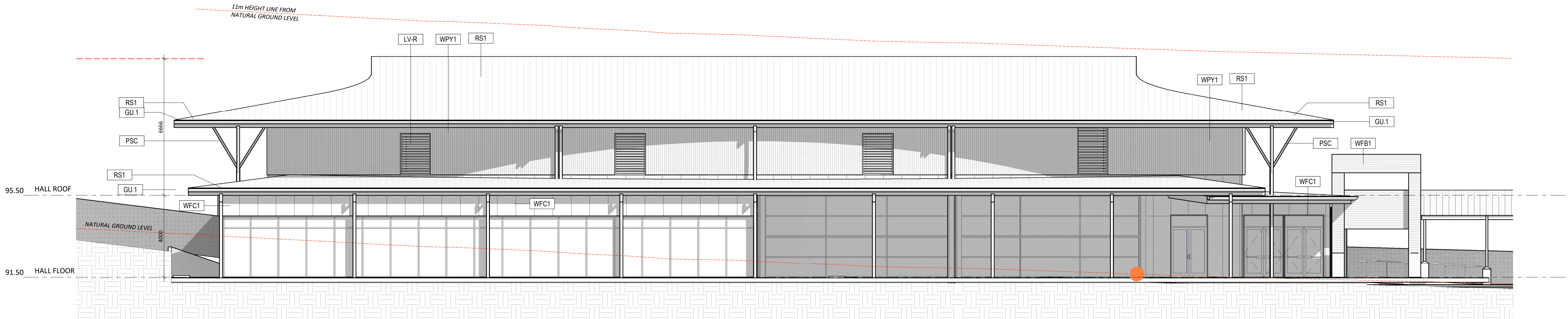


DIMENSIONS TAKE PRECEDENCE OVER SCALING. DO NOT MEASURE OFF DRAWINGS AS PRINT SIZES MAY VARY.

MATERIALS LEGEND	
CODE	MATERIAL
DP	Downpipe
GU.1	Roof gutter Type 1
LV-R	Remote operable glass louvre window
PSC	Painted steel column
RS1	Roof sheeting - Type 1
WCP1	Painted concrete wall - Type 1
WFB1	Face brickwork - Type 1
WFC1	Painted fibre cement - Type 1
WLV	Louved wall panel
WPY1	Polycarbonate wall cladding - Type 1
WSS1	Window Sun Screen - Type 1



1 NORTH ELEVATION  
DA004 1 : 100



2 SOUTH ELEVATION  
DA004 1 : 100

ARCHITECT

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ARCHITECTURE

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TRUSTEES OF THE ROMAN CATHOLIC  
CHURCH - DIOCESE OF WOLLONGONG

PROJECT

MAGDALENE CATHOLIC HIGH  
New Multi-Purpose Hall

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NORTH

DRAWN:	EJ
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VERIFIED:	PG
SHEET SIZE:	A1
SCALE:	1 : 100

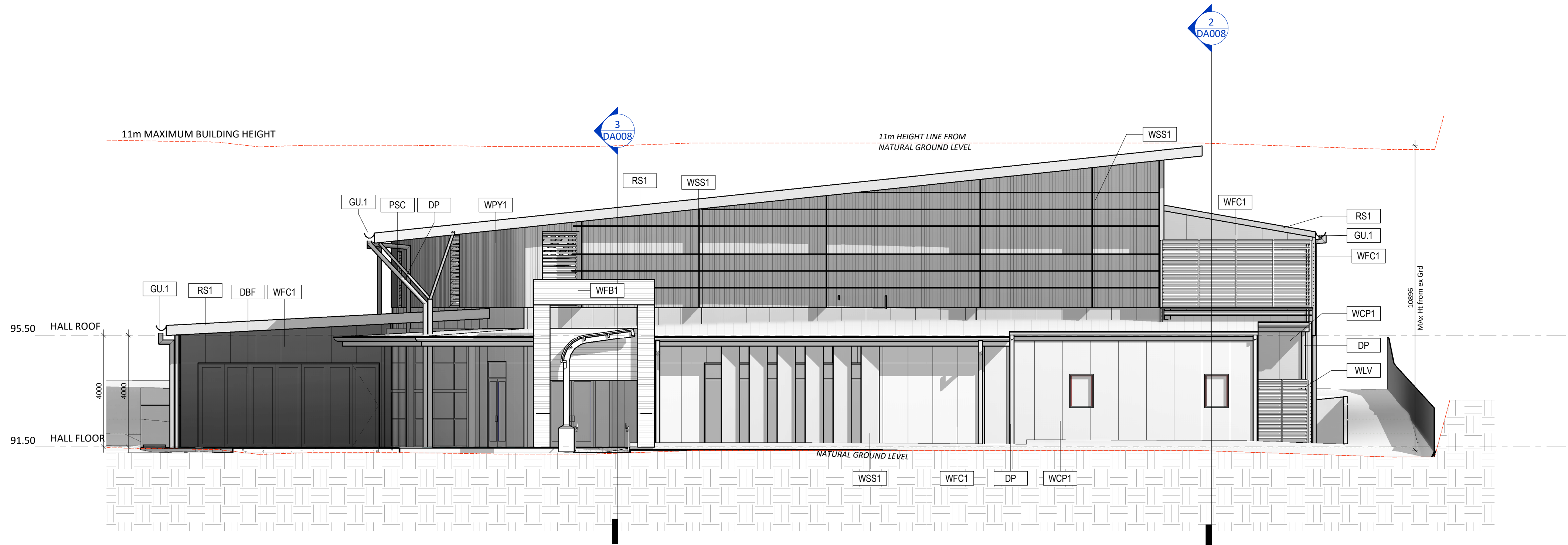
19111  
PROJECT NO.

DESIGN DEVELOPMENT

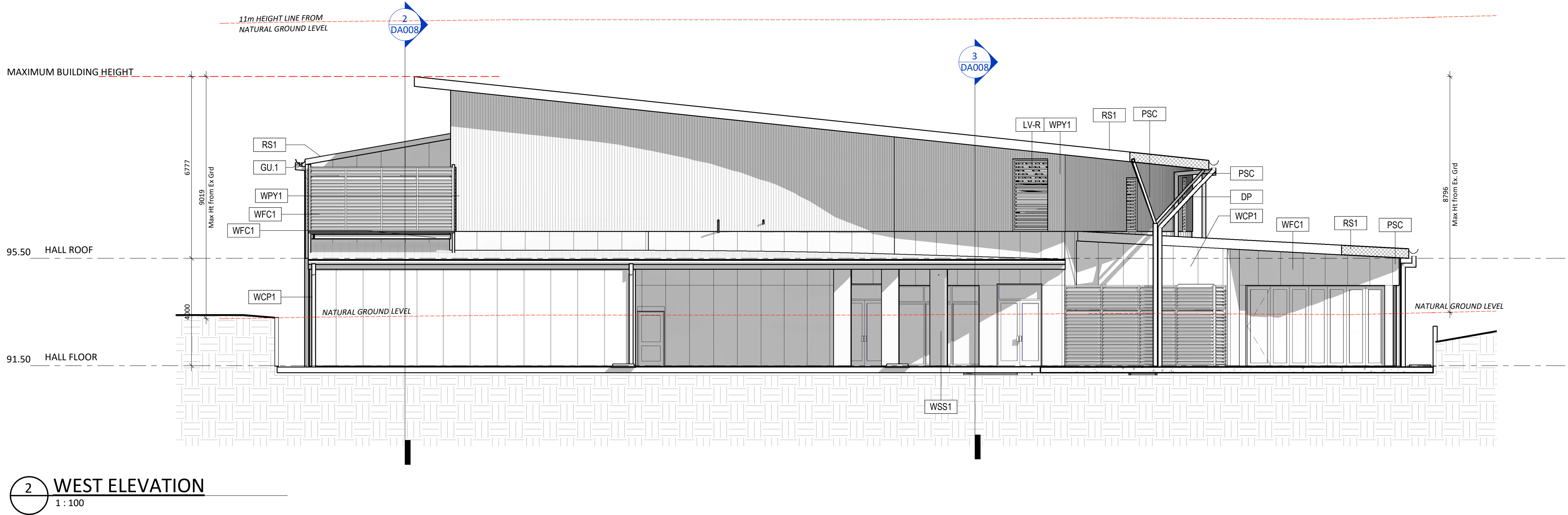
ELEVATIONS  
SHEET

DA006 7  
SHEET NO. ISSUE





MATERIALS LEGEND	
CODE	MATERIAL
DBF	Bi-Folding Door
DP	Downpipe
GU.1	Roof gutter Type 1
LVR	Remote operable glass louvre window
PSC	Painted steel column
RS1	Roof sheeting - Type 1
WCP1	Painted concrete wall - Type 1
WFB1	Face brickwork - Type 1
WFC1	Painted fibre cement - Type 1
WLV	Louvred wall panel
WPY1	Polycarbonate wall cladding - Type 1
WSS1	Window Sun Screen - Type 1



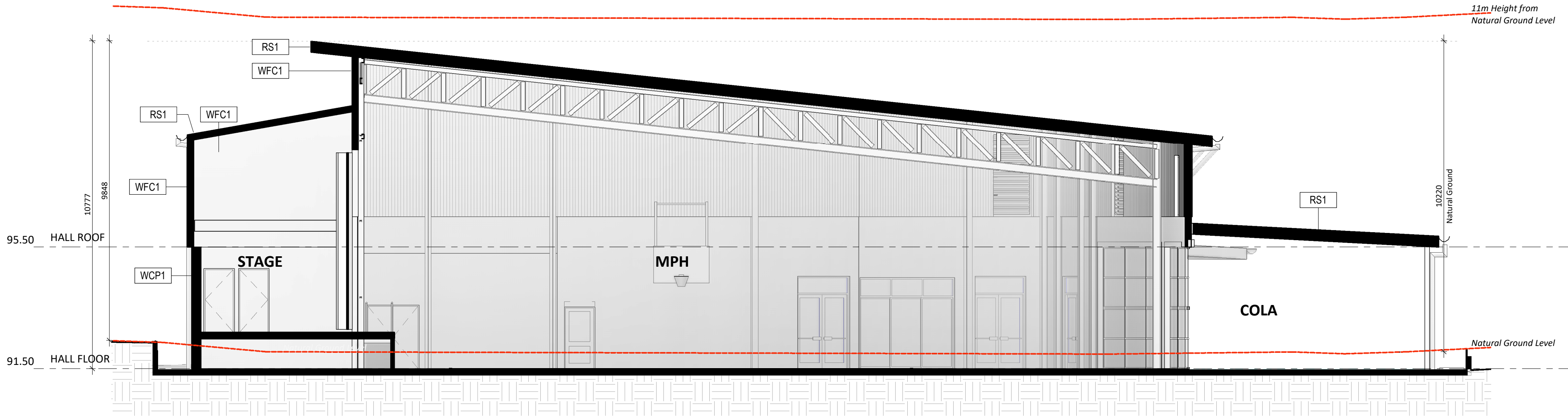
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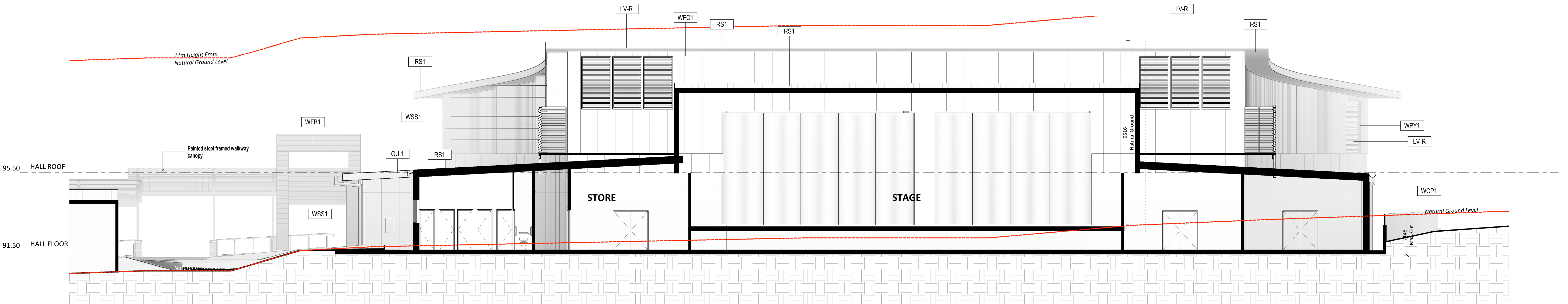
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VERIFIED:	PG
SHEET SIZE:	A1
SCALE:	1 : 100



MATERIALS LEGEND	
CODE	MATERIAL
DP	Downpipe
GU.1	Roof gutter Type 1
LV-R	Remote operable glass louvre window
PSC	Painted steel column
RS1	Roof sheeting - Type 1
WCP1	Painted concrete wall - Type 1
WFB1	Face brickwork - Type 1
WFC1	Painted fibre cement - Type 1
WPY1	Polycarbonate wall cladding - Type 1
WSS1	Window Sun Screen - Type 1



1 HALL SECTION 1  
1 : 100



2 HALL SECTION 2  
1 : 100



3 HALL SECTION 3  
1 : 100

ARCHITECT

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CHURCH - DIOCESE OF WOLLONGONG

PROJECT

MAGDALENE CATHOLIC HIGH  
New Multi-Purpose Hall

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NORTH

DRAWN:	BLC
CHECKED:	PG
VERIFIED:	Approver
SHEET SIZE:	A1
SCALE:	1 : 100

19111  
PROJECT NO.

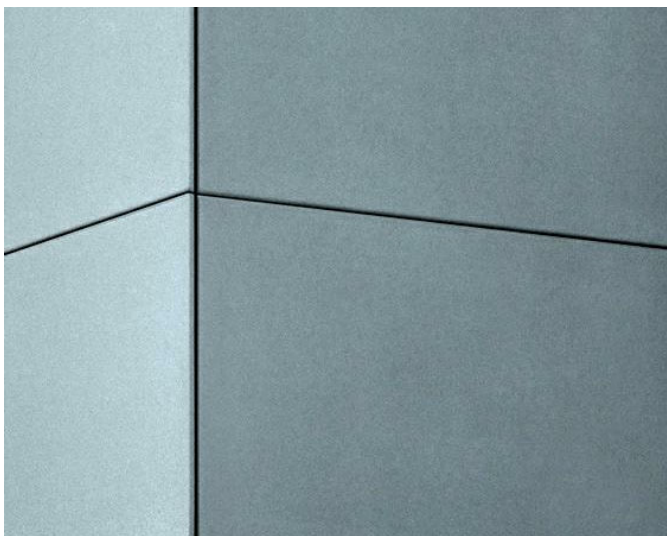
DESIGN DEVELOPMENT

SECTIONS  
SHEET

DA008  
SHEET NO.

6  
ISSUE





WFC1: PRE-FINISHED EXPRESS  
JOINTED FC CLADDING



WCP1: CONCRETE PANEL



WFB01: FACE BRICK



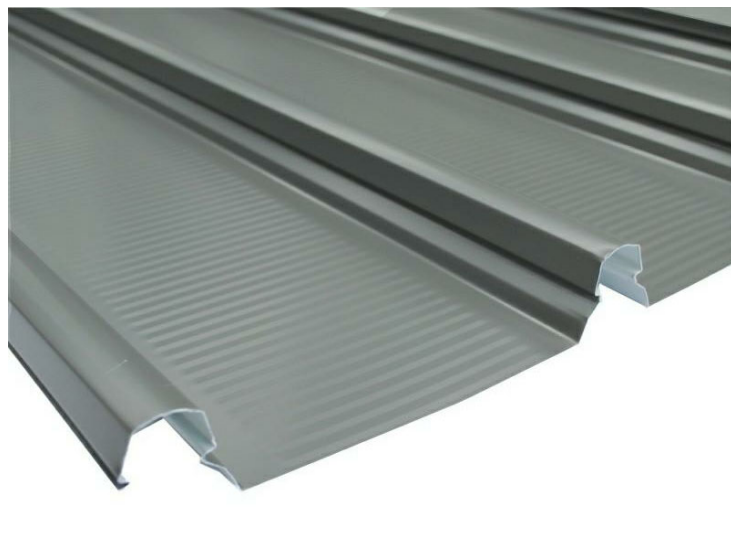
WPY: TRANSLUCENT POLYCARBONATE SHEET



WSS: EXPANDED METAL  
SUNSCREEN



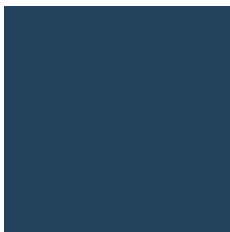
W.##: POWDERCOATED  
ALUMINIUM SUITE



RS1: COLORBOND ROOF SHEETING



GU1: COLORBOND GUTTER



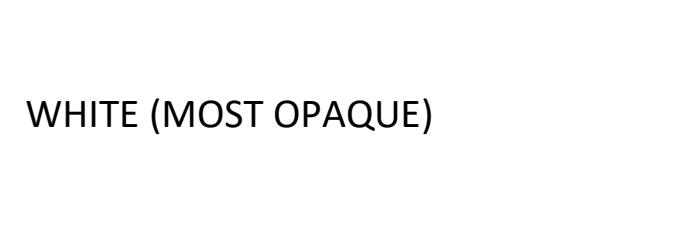
CLADDING COLOUR No.1



NATURAL COLOUR,  
CLEAR FINISH



AS ABOVE



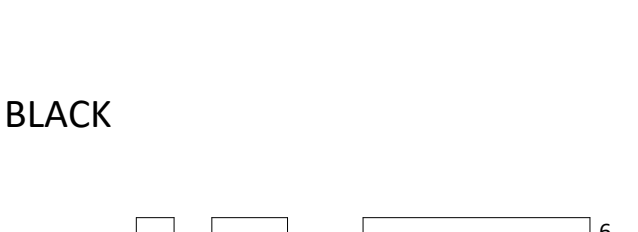
WHITE (MOST OPAQUE)



BLACK



SURFMIST



BLACK

© COPYRIGHT 2017 NOMINATED ARCHITECT : CHARLES GLANVILLE NSW REGISTRATION No. 3130





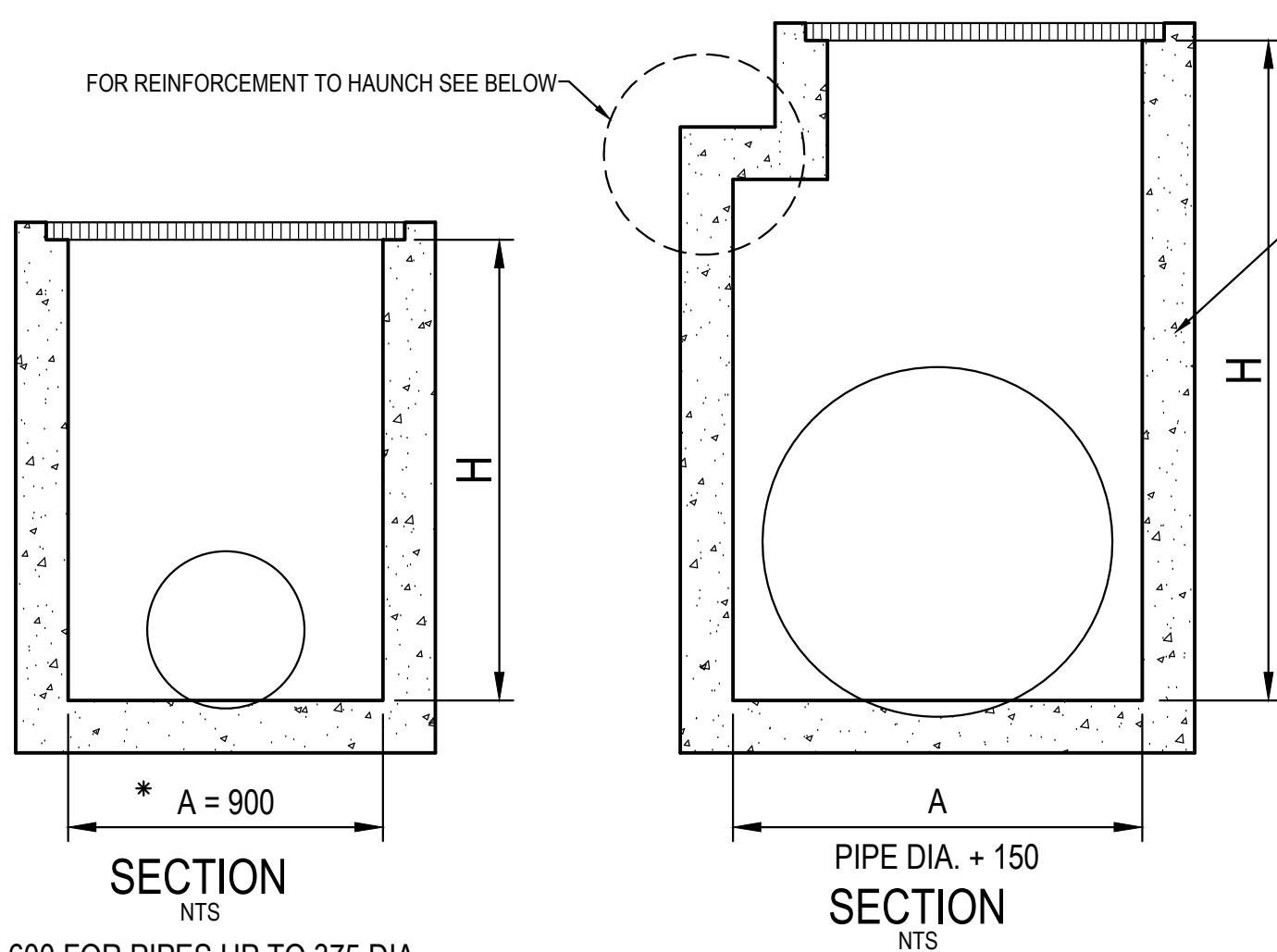






IT IS THE CONTRACTORS RESPONSIBILITY TO SELECT PIT CHAMBER SIZE WITH REGARDS TO PIPE SIZE, DEPTH TO INVERT AND SKEW ANGLE. REFER SKETCHES BELOW.

- ① SELECT PIT CHAMBER USING THE STEPS BELOW:
- ② SELECT PIT CHAMBER SIZE DEPENDING ON THE PIPE DIAMETERS.
- ③ CHECK PIT CHAMBER SIZE TO SATISFY DEPTH TO INVERT REQUIREMENTS.  
CHECK PIT CHAMBER DIMENSIONS TO SATISFY THE SKEW ANGLE IN THE TABLE.

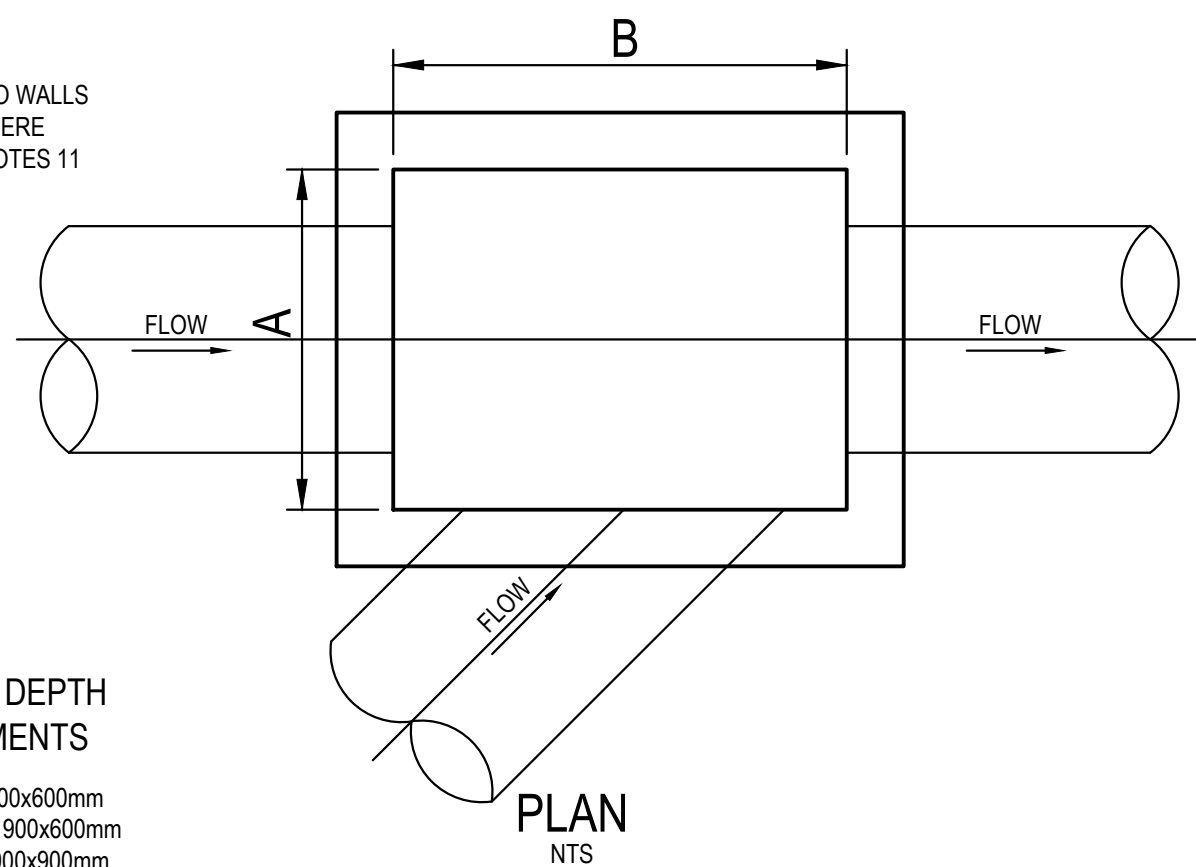


\*A = 600 FOR PIPES UP TO 375 DIA.

- ① PIT CHAMBER DIMENSIONS  
FOR PIPES UP TO 600 DIA.

## ② PIT SIZE & DEPTH REQUIREMENTS

H = 0-900mm - AxB = 600x600mm  
H = 900-1200mm - AxB = 900x600mm  
H = >1200mm - AxB = 900x900mm



- ③ PIT CHAMBER FOR  
SIDE ENTRY ON SKEW

FOR B = 600mm - MAX. SIDE ENTRY PIPE AT 45° SKEW = 225mm  
 FOR B = 900mm - MAX. SIDE ENTRY PIPE AT 45° SKEW = 375mm  
 FOR B = 1200mm - MAX. SIDE ENTRY PIPE AT 45° SKEW = 600mm  
 FOR B = 1500mm - MAX. SIDE ENTRY PIPE AT 45° SKEW = 825mm  
 FOR B = 1900mm - MAX. SIDE ENTRY PIPE AT 45° SKEW = 1050mm

SIEVE SIZE (MM)	WEIGHT PASISNG (%)
75.0	100
9.5	100 TO 50
2.36	100 TO 30
0.60	50 TO 15
0.075	25 TO 0

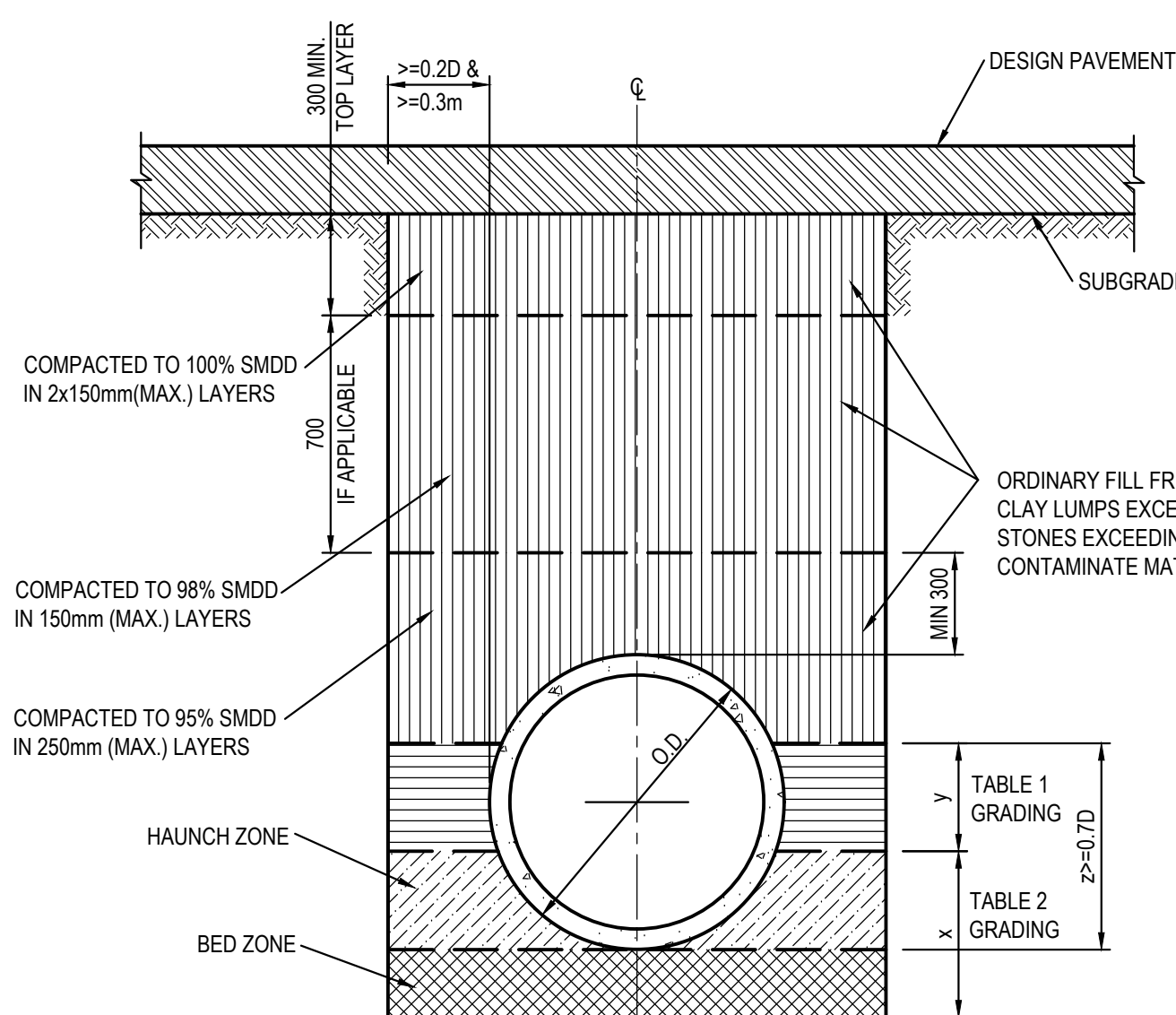
SIEVE SIZE (MM)	WEIGHT PASISNG (%)
19.0	100
2.36	100 TO 50
0.60	90 TO 20
0.30	60 TO 10
0.15	25 TO 0
0.075	10 TO 0

SUPPORT TYPE	BED ZONE X	HAUNCH ZONE Y	BED AND HAUNCH ZONES COMPACTION	MAX BEDDING FACTOR
HS1	100 IF D<=1500, OR 150 IF D>=1500	0.1D	50	2.0
HS2		0.3D	60	2.5
HS3		0.3D	70	4.0

PIT/STRUCTURE NUMBER				DESCRIPTION
EX-1	EX-2	EX-3		EXISTING STORMWATER PIT TO REMAIN
A-1	A-5			SURFACE INLET PIT WITH HINGED 900x900 HEAVY DUTY GRATED LID CLASS 'D' IN ACCORDANCE WITH LOCAL COUNCIL'S REQUIREMENTS.
A-2	A-3	A-4	B-1	SURFACE INLET PIT WITH HINGED 600x600 HEAVY DUTY GRATED LID CLASS 'D' IN ACCORDANCE WITH LOCAL COUNCIL'S REQUIREMENTS.
A-6	A-7	A-8	A-9	SURFACE INLET PIT WITH HINGED 600x600 LIGHT DUTY GRATED LID CLASS 'B' IN ACCORDANCE WITH LOCAL COUNCIL'S REQUIREMENTS.

1. ALL STORMWATER WORK TO COMPLY WITH AS 3500 PART 3.

2. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE MINIMUM COVER OF 600mm ON ALL PIPES.
3. PROTECTION OF PIPES SHALL BE LOADS EXCEEDING W7 WHEEL LOAD SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
4. BEDDING TYPE SHALL BE TYPE H2 FOR RCP. WHERE NECESSARY THE OVERLAY ZONE SHALL BE REDUCED TO ACCOMMODATE PAVEMENT REQUIREMENTS. REFER TO THIS DRAWING FOR DETAILS.
5. MINIMUM COVER OVER EXISTING PIPES FOR PROTECTION DURING CONSTRUCTION SHALL BE 800mm.
6. NO CONSTRUCTION LOADS SHALL BE APPLIED TO PLASTIC PIPES.
7. FINISHED SURFACE LEVELS SHOWN ON LAYOUT PLAN DRGS TAKE PRECEDENCE OVER DESIGN DRAINAGE SURFACE LEVELS.
8. ALL PIPES UP TO AND INCLUDING 300 DIA. SHALL BE SOLVENT OR RUBBER RING JOINTED PVC CLASS SH PIPE TO AS1260. ALL OTHER PIPES TO BE RCP USING CLASS 2 RUBBER RING JOINTED PIPE. HARDIES FRC PIPE MAY BE USED IN LIEU OF RCP IF DESIRED IN GROUND. ALL AERIAL PIPES TO BE PVC CLASS SH.
9. ALL PITS IN NON TRAFFICABLE AREAS TO BE PREFABRICATED POLYESTER CONCRETE "POLYCRETE" WITH "LIGHT DUTY" CLASS B GALV. MILD STEEL GRATING AND FRAME.  
ALL PITS IN TRAFFICABLE AREAS (CLASS "D" LOADING MAX) TO HAVE 150mm THICK CONCRETE WALLS AND BASE CAST IN-SITU  $f_c \geq 20$  MPa. REINFORCED WITH N12-200 BOTH LOADING WAYS CENTRALLY PLACE. U.N.O. ON SEPARATE DESIGN DRAWINGS IN THIS SET. GALV MILD STEEL GRATING AND FRAME TO SUIT DESIGN LOADING. PRECAST PITS, RECTANGULAR OR CIRCULAR IN SHAPE, MAY BE USED IN LIEU AND SHALL COMPLY WITH RELEVANT AUSTRALIAN STANDARDS.
10. ALL PITS, GRATINGS AND FRAMES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION AND TO BE IN ACCORDANCE WITH AS3500.3 AND AS3996.
11. PIT CHAMBER DIMENSIONS ARE TO BE SELECTED TO SATISFY THE FOLLOWING:
  - PIPE SIZE
  - DEPTH TO INVERT
  - SKEW ANGLEREFER TYPICAL PIT CHAMBER DETAILS BELOW  
IF PIT LID SIZE IS SMALLER THAN THE PIT CHAMBER SIZE THEN THE PIT LID IS TO BE CONSTRUCTED ON THE CORNER OF THE PIT CHAMBER WITH THE STEP IRONS DIRECTLY BELOW. ALTERNATIVELY THE PIT LID TO BE USED, IS TO BE THE SAME SIZE AS THE PIT CHAMBER.
12. FOR PIPE SIZES GREATER THAN Ø300mm, PIT FLOOR IS TO BE BENCHED TO FACILITATE FLOW.
13. GALVANISED STEP IRONS SHALL BE PROVIDED AT 300 CTS FOR PITS HAVING A DEPTH EXCEEDING 1200mm.  
SUBSOIL DRAINAGE PIPE SHALL BE PROVIDED IN PIPE TRENCHES ADJACENT TO INLET PIPES. (MINIMUM LENGTH 3m)
14. ALL SUBSOIL PIPES SHALL BE 100mm SLOTTED PVC IN A FILTER SOCK, UNO, WITH 3m INSTALLED UPSTREAM OF ALL PITS.
15. ALL PIPEWORK SHALL HAVE MINIMUM DIAMETER 100.
16. MINIMUM GRADE FOR ROOFWATER DRAINAGE LINES SHALL BE 1%.
17. ALL PIPE JUNCTIONS AND TAPER UP TO AND INCLUDING 300 DIA. SHALL BE VIA PURPOSE MADE FITTINGS.
18. ALL ROOF DRAINAGE TO BE INSTALLED IN ACCORDANCE WITH AS3500, PART 3. TESTING TO BE UNDERTAKEN AND REPORTS PROVIDED TO THE SUPERINTENDENT.
19. LOCATION OF THE DIRECT DOWN PIPE CONNECTIONS MAY VARY ON SITE TO SUIT SITE CONDITIONS, WHERE CONNECTION SHOWN ON LONG SECTIONS CHAINAGES ARE INDICATIVE ONLY.
20. PITS IN EXCESS OF 1.5m DEEP TO HAVE WALL AND FLOOR THICKNESS INCREASED TO 200mm. REINFORCED WITH N12@200 CTS CENTRALLY PLACED BOTH WAYS THROUGHOUT U.N.O. ON SEPARATE DESIGN DRAWINGS IN THIS SET. IF DEPTH EXCEEDS 5m CONTACT ENGINEER.
21. SUBSOIL DRAINAGE LINES FOR LANDSCAPE AREA NOT SHOWN ON THESE DRAWINGS. REFER TO LANDSCAPING PLANS FOR DETAILS.
22. ALL STORMWATER PITS TO HAVE Ø100 uPVC SLOTTED SUBSOIL PIPES CONNECTED TO THEM. THESE SUBSOILS TO EXTEND 3m UPSTREAM OF THE PIT AT A MINIMUM GRADE.

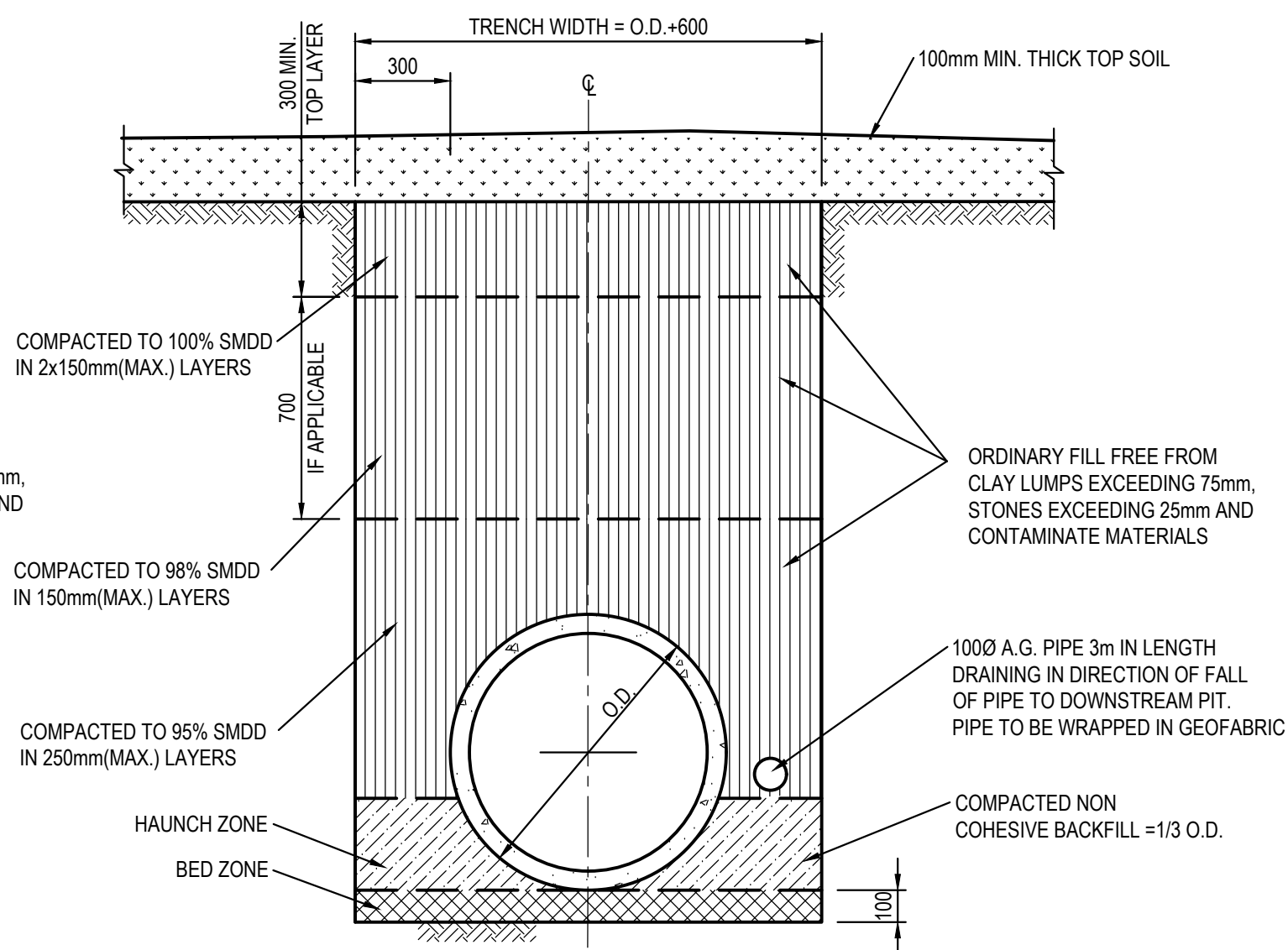


## PIPE TRENCH INSTALLATION BENEATH PAVEMENT

(HS SUPPORT TO BE USED UNDER ROADWAY)  
SCALE 1:20

SCALE 1:20

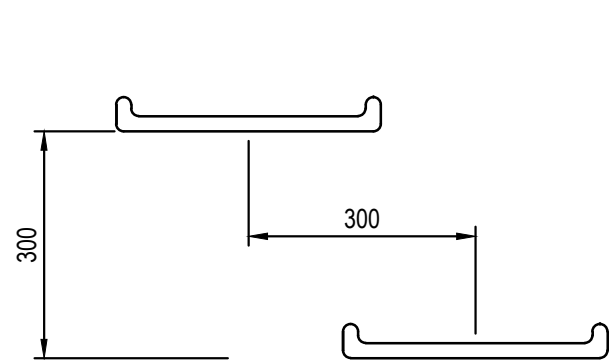
NOTE:  
TYPE HS2 TO BE USED AS A  
TYPICAL SUPPORT FOR  
TRENCHES UNDER ROADWAY  
UNLESS SPECIFIED SEPERATELY



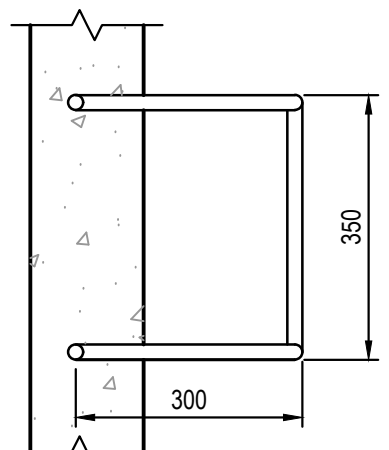
## PIPE TRENCH INSTALLATION IN LANDSCAPE AREAS

(H1 & H2 SUPPORT)

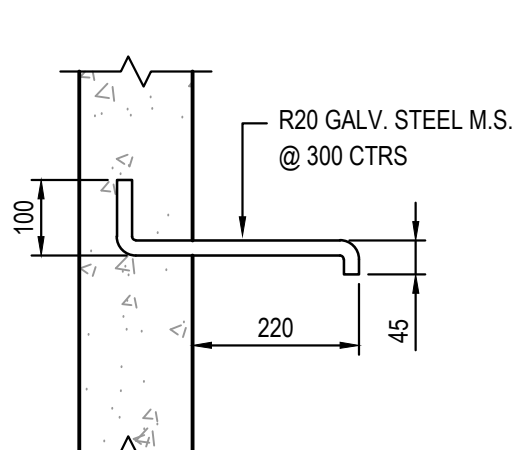
SCALE 1:20



ELEVATION



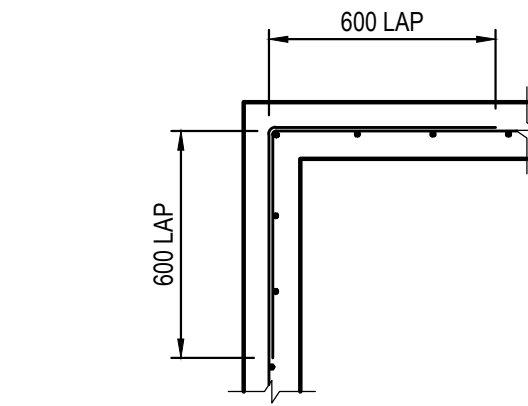
## PLAN



SECTION

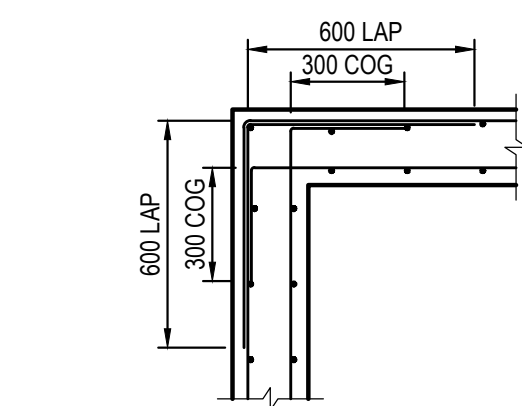
### TYPICAL STEP IRON DETAIL

SCALE 1:10



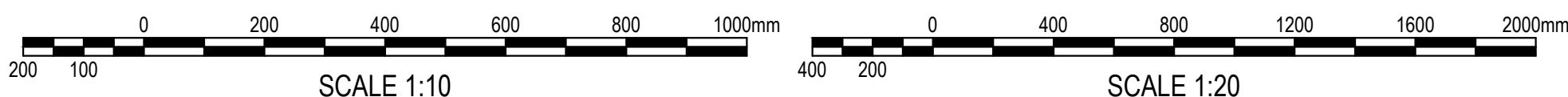
### 150 WALL - CORNER DETAIL

SCALE 1:20

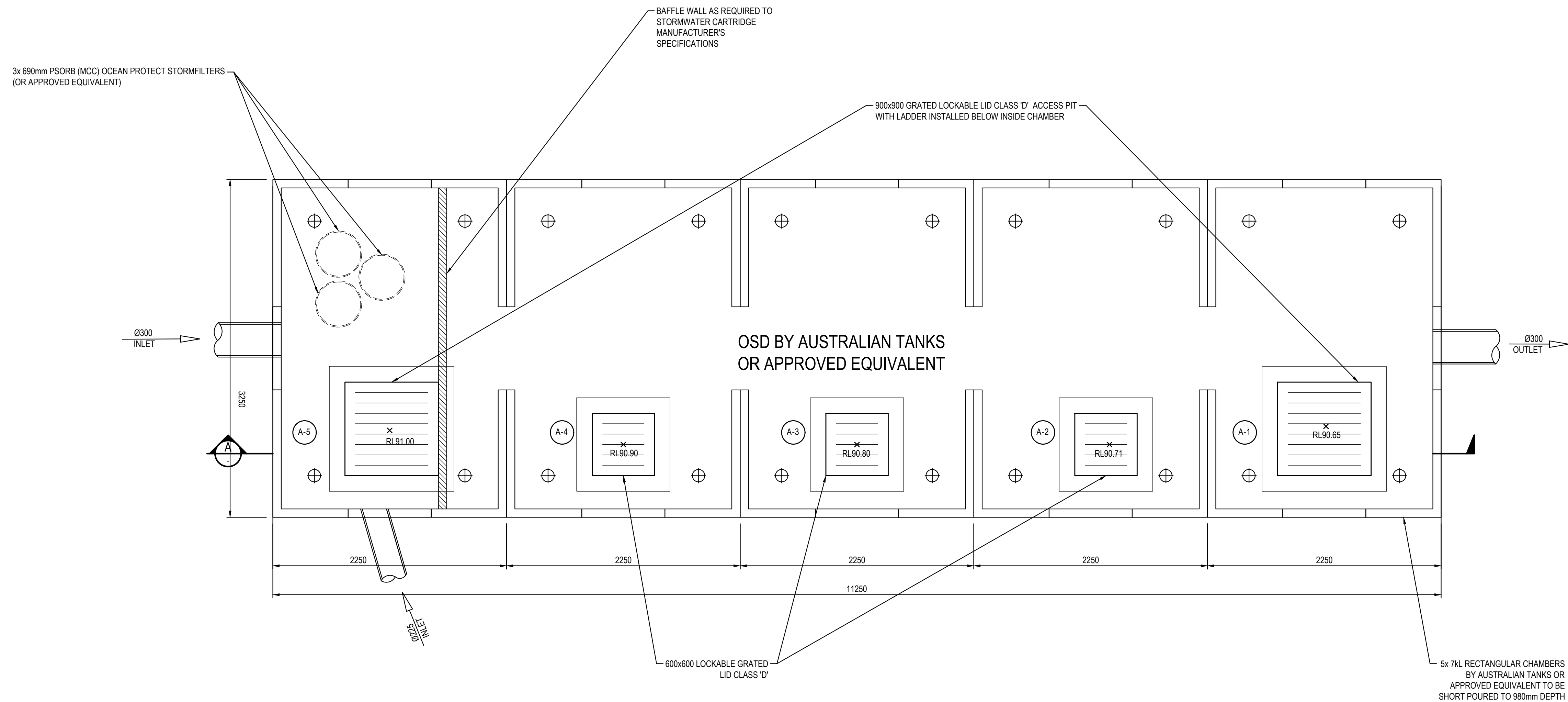


### 200 WALL - CORNER DETAIL

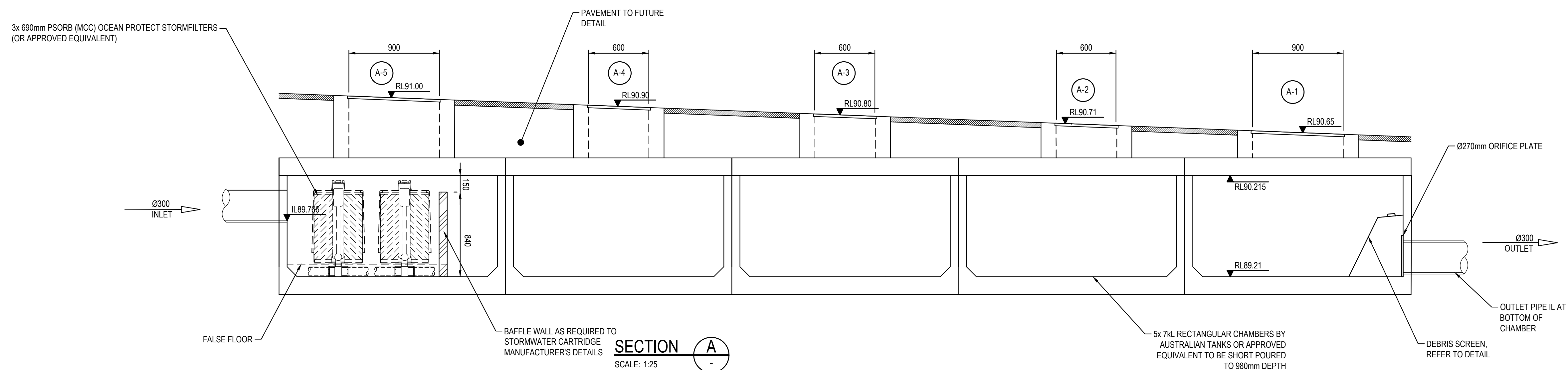
SCALE 1:20

[illegible]





OSD PLAN  
SCALE 1:25



REVISION	AMENDMENT	DRAWN	DESIGNED	DATE	REVISION	AMENDMENT	DRAWN	DESIGNED	DATE
01	ISSUED FOR DA	MC	LV	31.10.2019					

Client	DIOCESE OF WOLLONGONG
Architect	ALLEANZA ARCHITECTURE
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.	

Level 5, 79 Victoria Avenue Chatswood NSW 2067	Telephone +61 2 9417 8400 Facsimile +61 2 9417 8337 Email email@hhconsult.com.au Web www.henryandhymas.com.au
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Project	MAGDALENE CATHOLIC HIGH SCHOOL SMEATON GRANGE ROAD, NARELLAN, NSW
Title	OSD TANK PLAN AND SECTION SHEET 1 OF 2

Drawn M.Cerna	Designed L.Villa	Date SEP 19
Checked T.Rozehnal	Approved A.Francis	Scale B1
Drawing number 19989_DA_C201	Revision 01	





NOT TO SCALE  
ALL STEEL TO BE HOT DIPPED GALVANISED



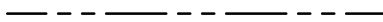



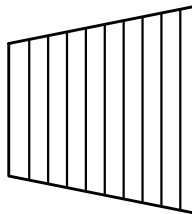


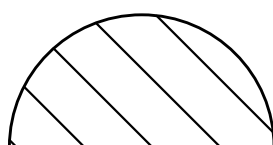
Drawn M.Cerna	Designed L.Villa	Date SEP 19
Checked T.Rozehnal	Approved A.Francis	Scale @A1 AS NOTED
Drawing number <b>19989_DA_C202</b>		Revision <b>01</b>







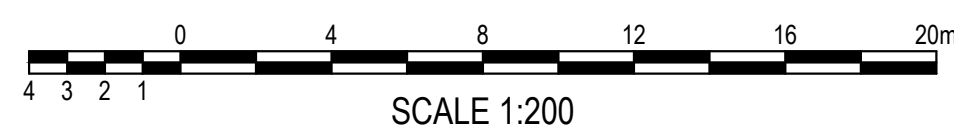


- |   |                                     |
|---|-------------------------------------|
|  | PROPOSED BOUNDARY                   |
|  | PROPOSED SEDIMENTATION FENCE        |
|  | TRAFFIC MANOEUVRING                 |
|  | PROPOSED VEHICLE SHAKER GRID        |
|  | PROPOSED STABILISED SITE ACCESS     |
|  | PROPOSED MESH & GRAVEL INLET FILTER |
|  | GEOTEXTILE INLET FILTER             |
|  | PROPOSED STOCKPILE LOCATION         |

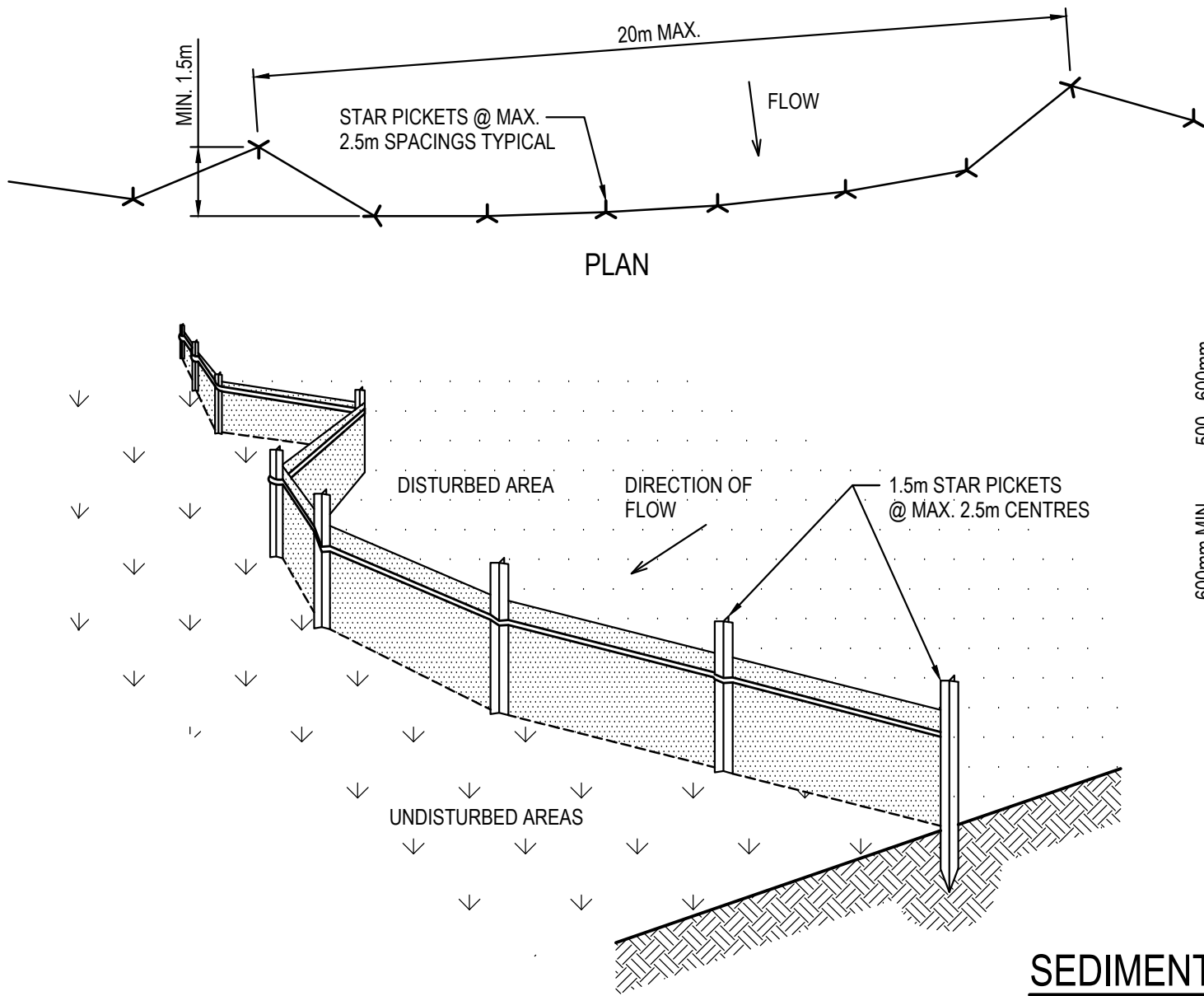
### SEDIMENT & EROSION CONTROL NOTES

- 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 RESPONSIBILITY TO PREPARE THEIR OWN SEDIMENT AND EROSION CONTROL PLAN WHICH SUITS THE DESIGNED CONSTRUCTION STAGING.
- 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 TIMES.
- EXCAVATION PLANT TO BE CRANED INTO SITE ONCE SITE ACCESS RAMP IS IMPRACTICAL.
- ALL EXISTING STORMWATER PITS WITHIN THE EXISTING CARPARK TO BE PROTECTED WITH MESH AND GRAVEL INLET FILTERS.

**FOR DA ONLY**

[illegible]

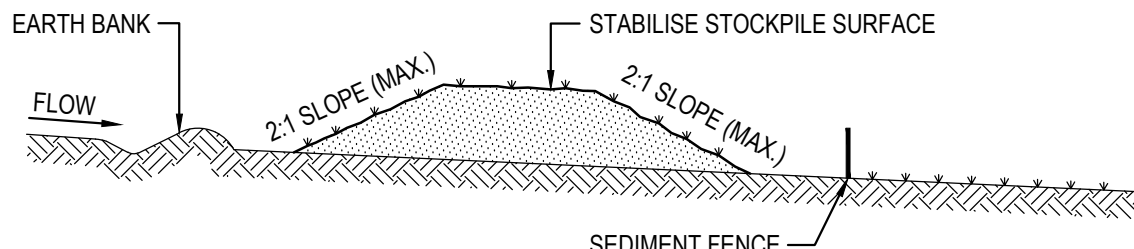




**SEDIMENT FENCE**  
SCALE N.T.S.

**SEDIMENT FENCE CONSTRUCTION NOTES:**

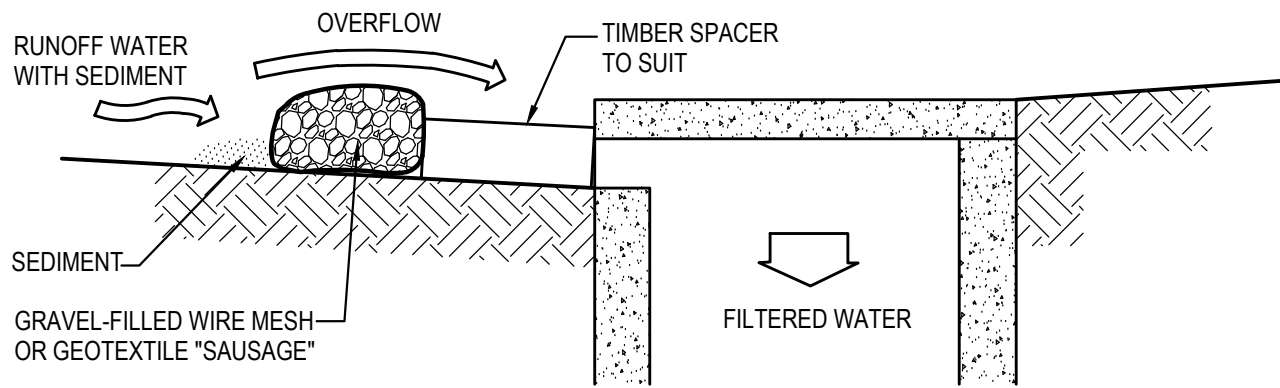
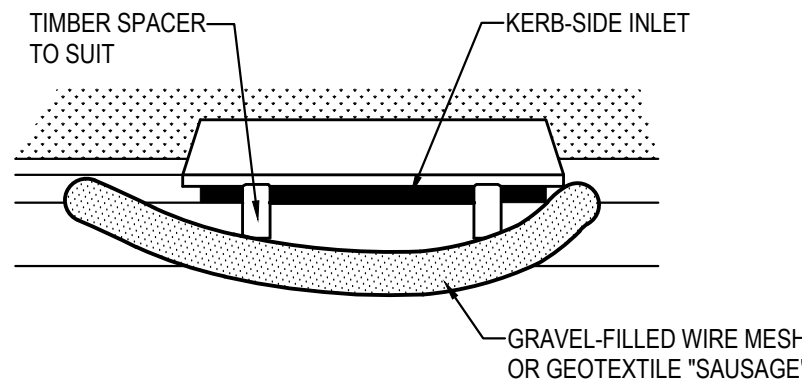
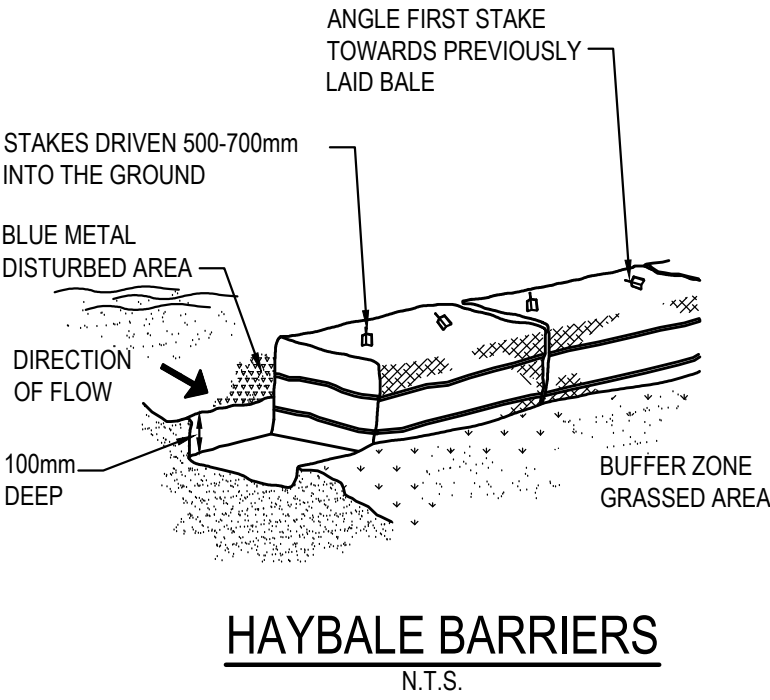
1. CONSTRUCT SEDIMENT FENCES AS CLOSE AS POSSIBLE TO BEING PARALLEL TO THE CONTOURS OF THE SITE, BUT WITH SMALL RETURNS AS SHOWN IN THE DRAWING TO LIMIT THE CATCHMENT AREA OF ANY ONE SECTION. THE CATCHMENT AREA SHOULD BE SMALL ENOUGH TO LIMIT WATER FLOW IF CONCENTRATED AT ONE POINT TO 50 LITRES PER SECOND 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. 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.



**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.

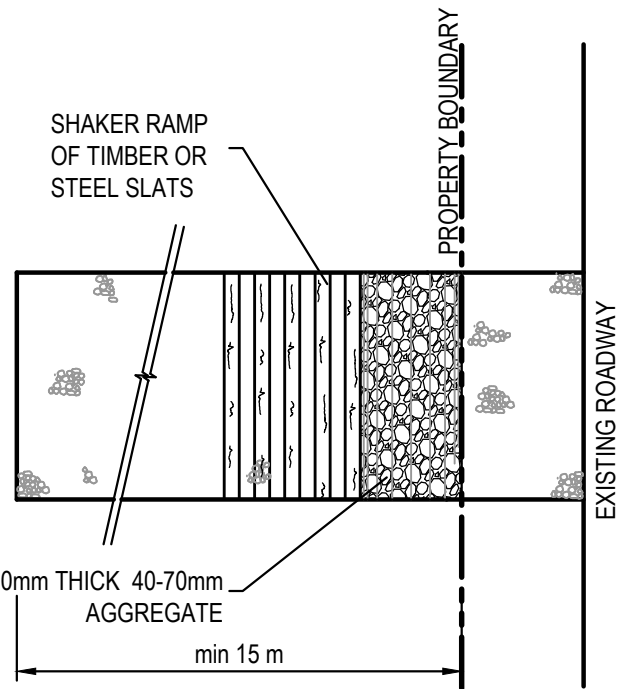
**STOCKPILES**  
SCALE N.T.S.



**MESH & GRAVEL INLET FILTER CONSTRUCTION NOTES:**

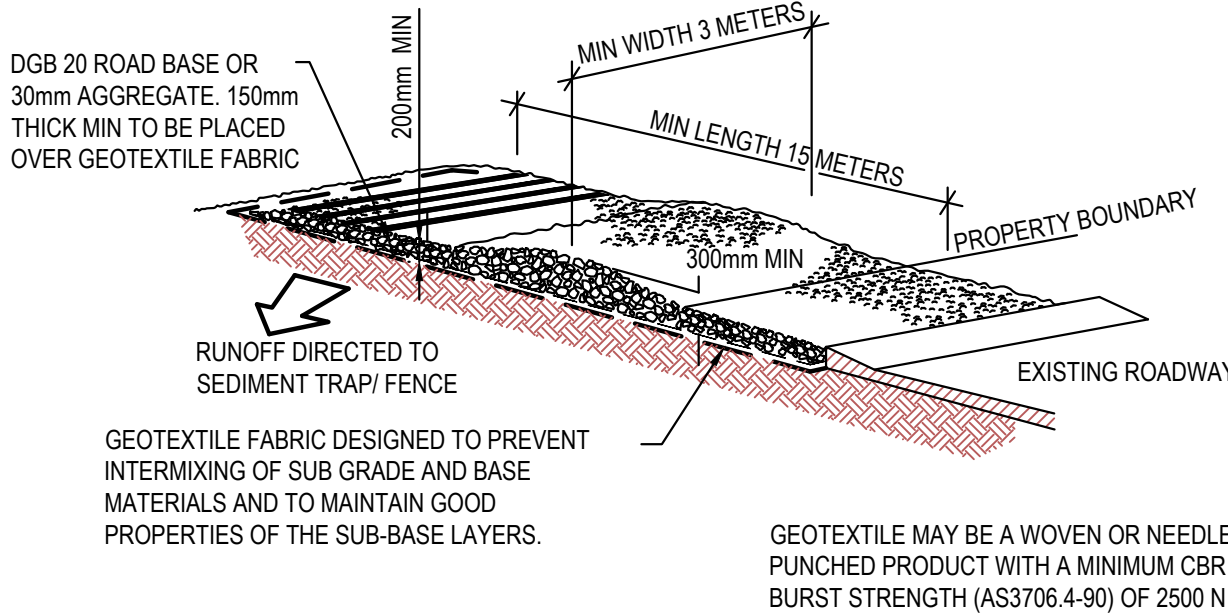
1. FABRICATE A SLEEVE MADE FROM GEOTEXTILE OR WIRE MESH LONGER THAN THE LENGTH OF THE INLET PIT AND FILL IT WITH 25mm TO 50mm GRAVEL.
2. FORM AN ELLIPTICAL CROSS-SECTION ABOUT 150mm HIGH x 400mm WIDE.
3. PLACE THE FILTER AT THE OPENING LEAVING AT LEAST A 100mm SPACE BETWEEN IT AND THE KERB INLET. MAINTAIN THE OPENING WITH SPACER BLOCKS.
4. FORM A SEAL WITH THE KERB TO PREVENT SEDIMENT BYPASSING THE FILTER.
5. SANDBAGS FILLED WITH GRAVEL CAN SUBSTITUTE FOR THE MESH OR GEOTEXTILE PROVIDING THEY ARE PLACED SO THAT THEY CAN FIRMLY ABUT EACH OTHER AND SEDIMENT / LADEN WATERS CANNOT PASS BETWEEN.

**MESH & GRAVEL INLET FILTER**  
SCALE N.T.S.



**STABILISED SITE ACCESS WITH SHAKER RAMP**  
N.T.S.

CONSTRUCTION SITE

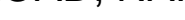
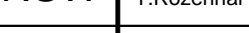


**STABILISED SITE ACCESS WITH SHAKER RAMP**  
N.T.S.

**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**

												Client <b>DIOCESE OF WOLLONGONG</b>			<div>Level 5, 79 Victoria Avenue Chatswood NSW 2067</div> <div> Global Mark.com.au &amp;B</div>	<div>Telephone +61 2 9417 8400 Facsimile +61 2 9417 8337 Email email@hhconsult.com.au Web www.henryandhymas.com.au</div>	<div></div>	Project <b>MAGDALENE CATHOLIC HIGH SCHOOL SMEATON GRANGE ROAD, NARELLAN, NSW</b>	Drawn M.Cerna	Designed T.Rozehnal	Date SEP 19
												Architect <b>ALLEANZA ARCHITECTURE</b>						Checked T.Rozehnal	Approved A.Francis	Scale @A1 NTS	
												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.						Drawing number <b>19989_DA_SE02</b>			Revision <b>01</b>
01 ISSUED FOR DA												MC	LV	31.10.2019							
REVISION AMENDMENT												DRAWN	DESIGNED	DATE	REVISION	AMENDMENT	DRAWN	DESIGNED	DATE		



# MAGDALENE CATHOLIC SCHOOL MULTI-PURPOSE HALL

Narellan NSW 2567

## LANDSCAPE DOCUMENTATION FOR DA

SITE PLAN



DOCUMENT REGISTER

Drawing Number	Drawing Name	Scale / Drawing Size
LDD-00	Landscape Cover Sheet & Plant Schedule	Not to Scale
LDA-01	DA Landscape Plan	1:200 / A1
LDA-02	Landscape Details	As Shown

INDICATIVE PLANT SCHEDULE

Code	Botanical Name	Common Name	Native	Expected Mature Height	Quantity	Install Size
Trees						
LOP-CON	<i>Lophostemon confertus</i>	Brushbox	✓	15m	4	100L
GLO-FER	<i>Glochidion ferdinandi</i>	Cheese Tree	✓	8m	3	100L
Shrubs						
CAL-SLI	<i>Callistemon 'Slim'</i>	-	✓	3m	TBC	300mm
SYZ-HOB	<i>Syzygium 'Hobbit'</i>	-	✓	1.5m	TBC	300mm
LEU-BRO	<i>Leucophyta brownii</i>	Cushion Bush	✓	1m	TBC	200mm
WES-FRU	<i>Westringia 'Blue Gem'</i>	Coastal Rosemary	✓	1m	TBC	200mm
Grasses & Groundcovers						
DIA-CAE	<i>Dianella 'Breeze'</i>	Blue Flax Lily	✓	0.6m	TBC	150mm
DIA-TAS	<i>Dianella 'Tasmanica'</i>	-	✓	0.35m	TBC	150mm
LOM-KAT	<i>Lomandra 'Savanna Blue'</i>	Mat Rush	✓	0.4m	TBC	150mm
MYO-YAR	<i>Myoporum 'Yareena'</i>	-	✓	0.3m	TBC	150mm

Issue	Date	Description	Drawn	Checked
A	28.11.19	For Review	MC	RL





LEGEND

TW

TOP OF WALL LEVEL

EX

EXISTING SPOT LEVEL

RL

PROPOSED SPOT LEVEL

FFL

FINISHED FLOOR LEVEL

---

RETAINING WALL TO ENGINEER'S DETAILS

- - -

LINE OF BUILDING ABOVE

---

FORMED CONCRETE GARDEN EDGE TO ENGINEER'S DETAILS

TURF

PROPOSED GARDEN BED WITH MIXED NATIVE PLANTING

PROPOSED PAVING SUBJECT TO FUTURE DETAILS

EXISTING DRIVEWAY

EXISTING PAVING

EXISTING TREE TO BE RETAINED AND PROTECTED

PROPOSED NATIVE TREE'S REFER TO LDA-00 INDICATIVE PLANT SCHEDULE

1

PROPOSED RAMP

2

PROPOSED SIGNAGE

3

VERTICAL SUN CONTROL SCREEN TO ARCHITECT'S DETAILS

4

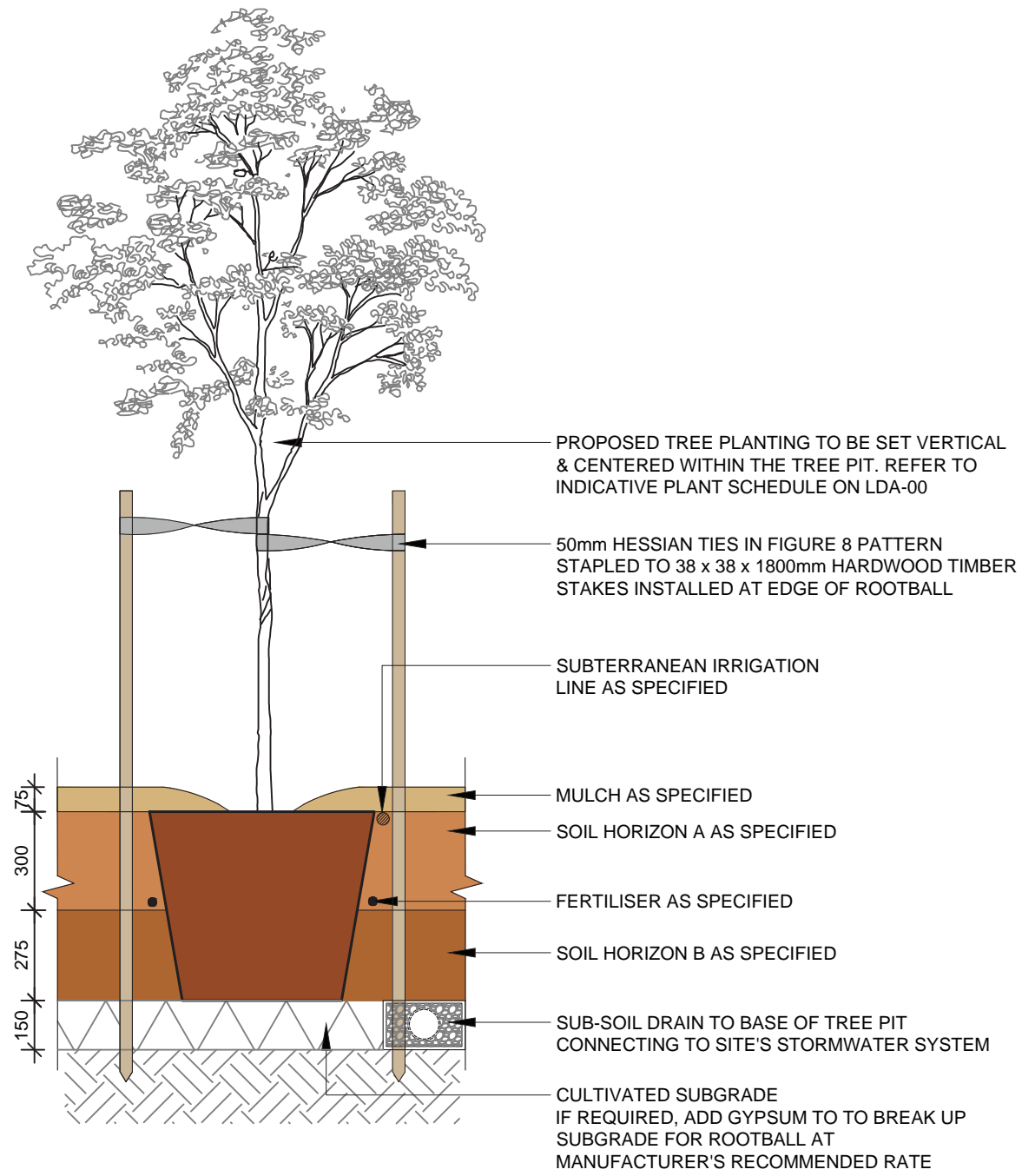
EXISTING FOOTPATH

INDICATIVE PLANTING PALETTE (Refer to Drawing LDA-00 for Indicative Plant Schedule)



Issue	Date	Description	Drawn	Checked
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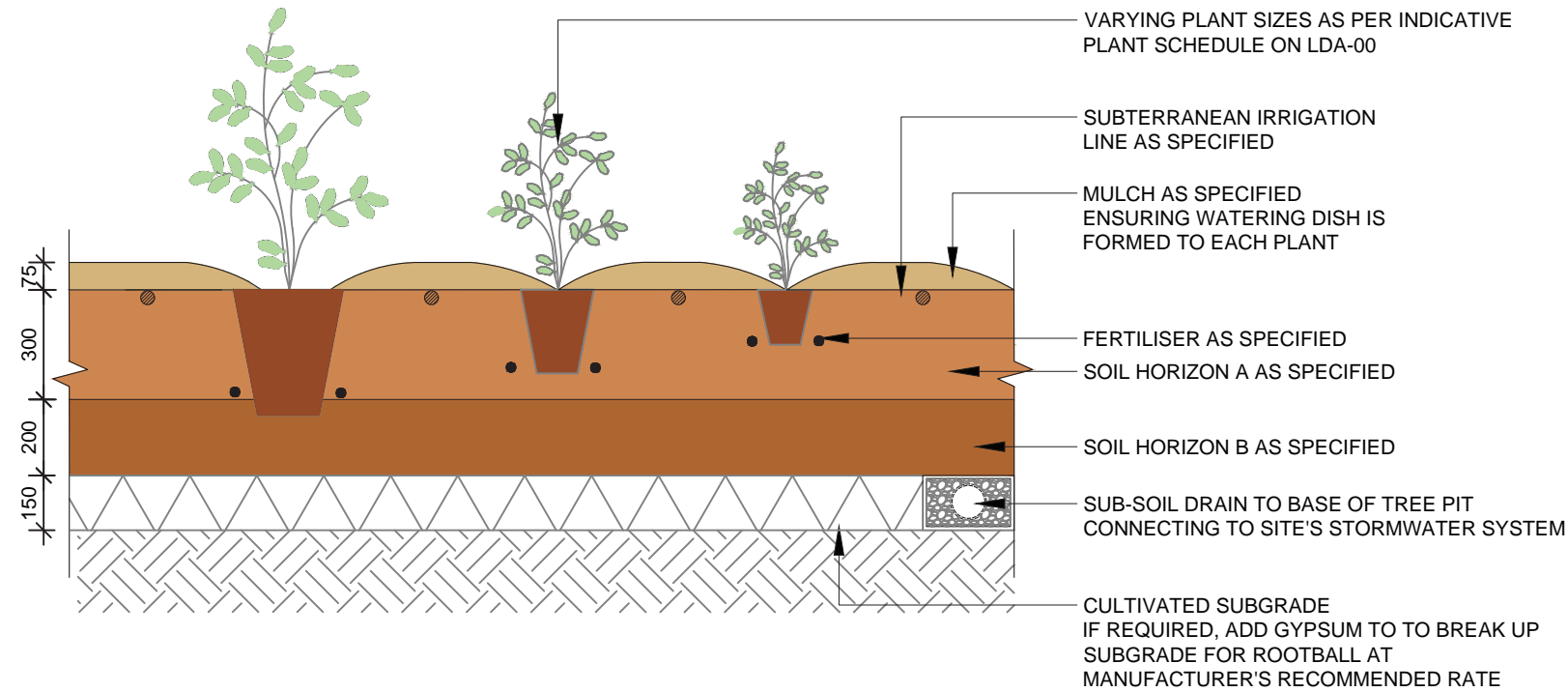


1

PLANTING - TREES

TYPICAL SECTION

1:20 @ A1



2

PLANTING - 300mm, 200 & 150mm POT SIZES

TYPICAL SECTION

1:20 @ A1

## OUTLINE LANDSCAPE SPECIFICATION

**General**  
Maintenance shall mean the care and maintenance of the landscape works by accepted horticultural practice as rectifying any defects that become apparent in the landscape works under normal use. The landscape contractor shall attend the site on a weekly basis to maintain the landscape works for the full term approved at CC stage of the maintenance period (commencing from practical completion).

**Rubbish Removal**  
During the term of the maintenance period the Landscape Contractor shall undertake rubbish removal from the site on a weekly basis to ensure the site remains in tidy condition.

**Weed Eradication**  
Weed growth that may occur in, planted or mulched areas is to be removed using environmentally acceptable methods i.e. non-residual glyphosate herbicide, (e.g. 'Roundup', applied in accordance with the manufacturer's directions) or hand weeding.

**Tree Replacement**  
Trees shall show signs of healthy vigorous growth and be free from disease and not exhibit signs of stress prior to handover to the client. Any trees or plant that die or fail to thrive, or are damaged or stolen will be replaced. Replacement material shall have the maintenance period extended in accordance with the landscape contract conditions. Trees and plant materials shall be equal to the minimum requirements of species specified and approved material delivered to site. Should the condition decline from the approved sample the Superintendent reserves the right to reject the tree / plants. Frequency: as required.

**Pruning**  
Selective pruning may be required during the establishment period to promote a balanced canopy structure. These activities shall be carried out to the best horticultural and industry practice. All pruned material is to be removed from site.

**Irrigation**  
A low volume drip irrigation system may be installed at the discretion of the Client. Position of control box, solenoids and irrigation conduits to be designed by qualified irrigation engineer at CC stage. Controllers shall be mounted on a stable wall, power rack, or formed and constructed concrete based pedestal mount. Performance specification to be provided by landscape architect, nominally 25mm delivered to plant areas each week during establishment (depending on weather conditions). After establishment, irrigation rates can be decreased in certain areas of the landscape depending on the species.

**Watering**  
Implement an appropriate hand watering regime in areas not irrigated in association with current watering programme to maintain plant health and vigour. The program shall reflect seasonal conditions and plant species. Frequency: Weekly or as required.

**Drainage**  
All landscape areas are to have positive drainage to SW systems. If areas of poor drainage are identified on site then this should be brought to the site superintendents attention. Install sgg lines if required.

**Soils**  
Horizon A - Garden beds on natural ground  
A sandy loam to clay loam topsoil mix designed for general purpose, on-grade landscape garden bed planting of grasses, woody and herbaceous annuals and perennials that have high nutrient requirement for sustained optimum growth, and are not subject to compaction by pedestrian and other foot traffic. Heavier textured soils in this specification may require engineered solutions where excessive wetness is anticipated. Note that organic soil variant should not be chosen for low P plantings and should not be used below 300mm. Planting methods include direct seeding, tube and potted specimens up to 45L.

Horizon B - Garden beds on slab  
This specification describes the formulation of an open granular well drained growing media with a saturated density of less than 2400 kg/m3 (2.4kg/L) for use in on-slab applications, including green roofs with an expectation of longevity. It is a topsoil formulation to be used in the surface 300mm of all on-slab installations including planter boxes, containers and garden beds. In order to maintain structure and porosity over extended periods, and to avoid slumping and volume loss over time, the formulation must employ low density mineral components such as ash, perlite, scoria, pumice and diatomaceous earth, or artificial components such as urea formaldehyde and styrofoam. Physically the media properties of a potting media and is assessed using the methodology of AS 3743.

**Cultivation**  
All garden beds to be cultivated to a min depth of 150mm and tree pits to the depth of the root ball only. If additives such as gypsum are required conduct this after cultivation into the top 100mm of soil.

**Planting**  
All planting to be grown to NATSPEC specifications. Contractor to prepare site for planting including watering, handling, setting out and excavation. Excavate a hole for each plant large enough to provide not less than 100mm all around the root system of the plant. For tree planting each hole shall be dug with a shovel, backhoe or similar tool. Individual holes shall be excavated to allow root system to sit flat on the excavated hole and 400mm to each side of the root system. Backfill planting holes with existing site soil and topsoil as described in section 'Soil', plant / Tree shall be set plumb, with the root ball set slightly below the final soil level.

**Mulching**  
The Landscape Contractor shall supply and install 10mm Pine Bark Mulch to all garden beds shown on the landscape plans, to a minimum depth of 75mm. All mulch is to be free of deleterious matter such as soil, weeds and sticks. Mulched surfaces are to be kept clean and tidy and free of any deleterious material and foreign matter. Reinstate depths to a uniform level of 75mm with mulch as specified, mulch to be free of any wood material impregnated with CCA or similar toxic treatment. Maintain watering rings around trees. Top up mulch levels prior to handover to client.

**Turfing**  
The landscape contractor shall supply and install Sapphire Buffalo turf in stretcher pattern to all turf areas shown on the landscape plans and is to finish flush with adjacent surfaces. Turf to be a min thickness of 50mm with a 40mm mowing height. Contractor to allow for fertilising, laying, tamping, watering, top dressing, maintenance and mowing. The landscape contractor shall supply and install turf underlay under all turf areas, consisting of 100mm thick layer of screened top soil.

**Pest and Disease Control**  
The Landscape Contractor shall spray for pests and disease infestations when the pest and fungal attack has been positively identified and when their populations have increased to a point that will become detrimental to plant growth. Apply all pesticides to manufacturer's directions. Frequency: weekly inspection

**Fertilising**  
Pellets shall be in the form intended to uniformly release plant food elements for a period of approximately nine months equal to Shirlleys KOKEI pellets, analysis 6.31.8.2.9 or similar approved. KOKEI pellets shall be placed at the time of planting to the base of the plant, 50mm minimum from the root ball at a rate of two pellets per 300mm of top growth to a maximum of 8 pellets per tree. Generally check for signs of nutrient deficiencies (yellowing of leaves, failure to thrive), and adapt fertiliser regime to suit. Fertiliser should be applied at the beginning and the end of the (summer) growing season.

Issue	Date	Description	Drawn	Checked
A	28.11.19	For Review	MC	RL