

**PART SITE LAYOUT PLAN**

SCALE 1:100

**NOTE:**

- REFER DRAWING C1.00 FOR GENERAL AND CONSTRUCTION NOTES.
- ALL LEVELS TO BE CONFIRMED PRIOR TO CONSTRUCT FOLLOWING SITE SURVEY SETOUT.

**STORMWATER MANAGEMENT NOTES**

THE SCHOOL SITE IS APPROXIMATELY 2.03ha WITH EXPANSES OF GREENSCAPE AREAS INCLUDED OPEN GRASSED PLAYGROUNDS, LANDSCAPE GARDENS, .  
THE PROPOSED NEW MCS BUILDING AND SURROUNDS REPRESENTS AN AREA WITHIN THE SCHOOL OF 900m2.

**BUILDING SITE**

EXISTING SITE = 900m2  
EXISTING PAVEMENT AREA = 480m2  
TOTAL IMPERVIOUS AREA = 480m2

PROPOSED SITE  
ROOF AREA = 420m2  
IMPERVIOUS PAVEMENT AREA = 480m2  
TOTAL IMPERVIOUS AREA = 900m2

THEREFORE THE INCREASE IN IMPERVIOUS AREA IS 420m2 OR 2% OF THE SCHOOL SITE.

ALL STORMWATER FOR THE PROPOSED BUILDING SITE FOOTPRINT (900m2) SHALL BE DISCHARGED VIA AN IN GROUND ONSITE DETENTION TANK, NOTED AS OSD1.

AS PER THE RECENT DA APPROVED ARISE STAGE 1 PROJECT THE CONTROLLED OUTLET STORMWATER FLOWS REDUCES POST DEVELOPED DISCHARGES TO PRE-DEVELOPED DISCHARGES FOR 1, 10 AND 100YR CRITICAL STORM EVENTS.

AS THERE ARE MINIMAL AREAS WITHIN THE PROPOSED BUILDING FOR WATER RE-USE OPPORTUNITIES NO RAINWATER TANKS HAVE BEEN CONSIDER FOR THIS PARTICULAR BUILDING.

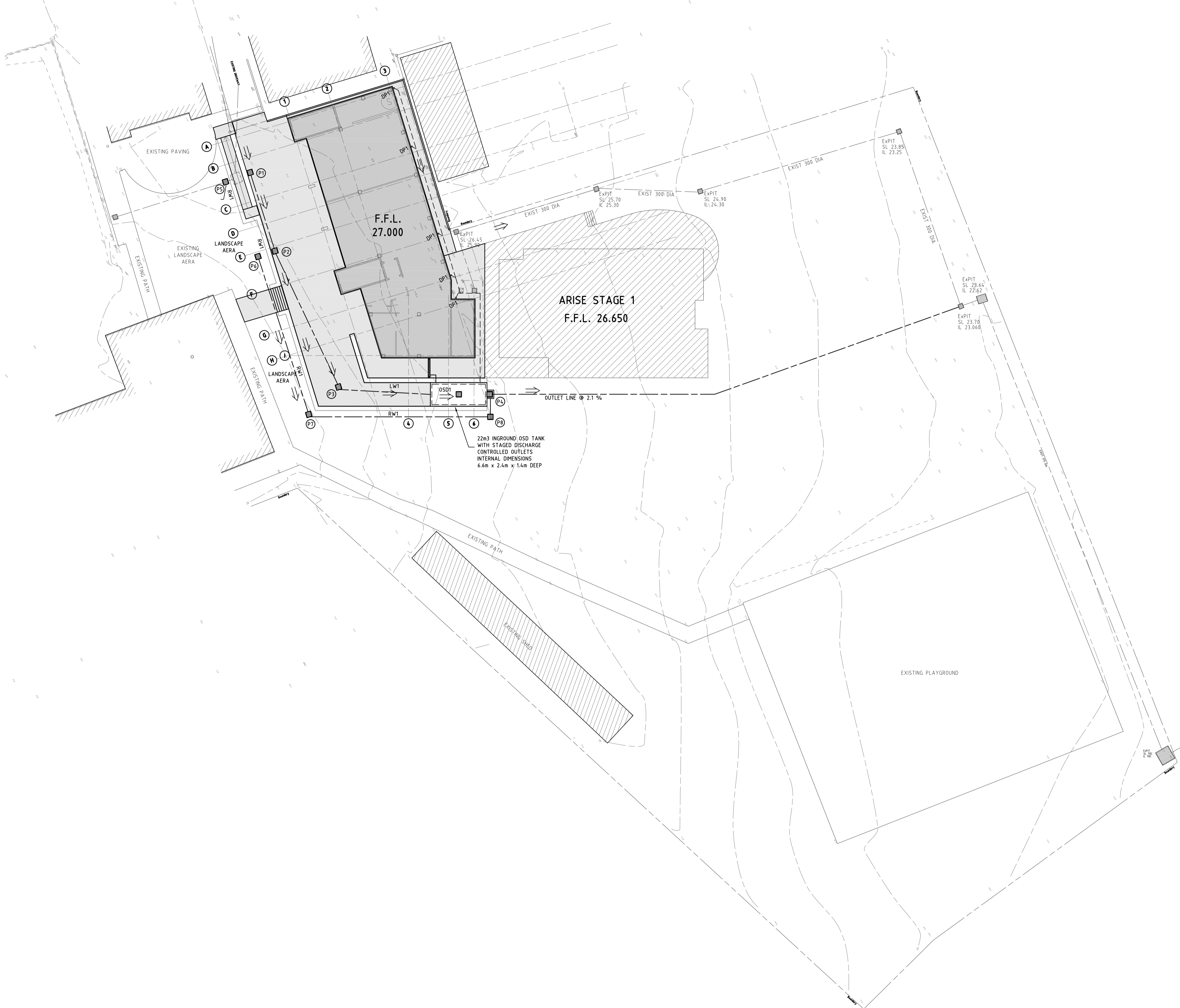
**CIVIL LEGEND**

- FFL 38.00 ..... NOMINAL FINISHED FLOOR LEVEL
- ☐ (P) ..... DRAINAGE STRUCTURE & NUMBER REFER TO SCHEDULE
- RW ..... RETAINING WALL
- ..... F37.00 ..... PROPOSED FINISHED SURFACE LEVEL
- ..... P9.50 ..... PROPOSED PIT FINISH GRATE LEVEL
- ..... I18.35 ..... PROPOSED PIT INVERT LEVEL
- ..... F8.35 ..... ASSUMED EXISTING SURFACE LEVEL
- ..... E8.35 ..... ASSUMED EXISTING SURFACE LEVEL
- ..... P TME ..... PROPOSED TOP OF WALL
- ..... ToW 37.80 ..... PROPOSED TOP OF WALL
- ..... CONCRETE PAVEMENT SLABS
- ..... PROPOSED BUILDING
- ..... EXISTING BUILDING

**STORMWATER DRAINAGE STRUCTURE SCHEDULE**

STRUCTURE TYPE	NOMINAL INTERNAL SIZE OF ACCESS OPENING CHAMBER AND COVER/GRATE AND FRAME TYPE	STRUCTURE NUMBER
SURFACE INLET PIT	600x600 WITH CLASS 'C' GALVANISED MILD STEEL HEEL GUARD GRATE HINGED TO FRAME	(P1) (P2) (P3) (OSD1)
SURFACE INLET PIT	600x600 WITH CLASS 'B' GALVANISED MILD STEEL GRATE HINGED TO FRAME	(P5) (P6)
SURFACE INLET, OUTLET SEDIMENT TRAP PIT	900x900 WITH CLASS 'C' GALVANISED MILD STEEL HEEL GUARD GRATE HINGED TO FRAME	(P4)
SURFACE INLET, OUTLET SEDIMENT TRAP PIT	900x900 WITH CLASS 'C' GALVANISED MILD STEEL GRATE HINGED TO FRAME	(P7) (P8)
GRADED DRAIN	200mm WIDE PROPRIETARY GRATED DRAIN SYSTEM WITH STAINLESS STEEL HEEL GUARD GRATE 150mm DEEP MIN WITH 2.5% FALL	(GD1)
DETENTION BASIN	22m3 MIN STORAGE VOLUME	(OSD1)

NOTE:  
1. ALL PITS TO HAVE LOCK DOWN GRATES



Issue	Description	Date
A	DEVELOPMENT APPLICATION ISSUE	17.11.21

Design & Construction

**PAYNTER DIXON**  
CREATING SINCE 1914

Client

**Maitland Christian School**  
Do all for God's glory  
A Ministry of Metford Community Baptist Church

**ambai CONSULTANTS**

STRUCTURAL ACN 161 259 114 ABN 74 491 837 093  
CIVIL 29 Victoria Street New Lambton NSW 2305  
ENGINEERS ambai\_admin@optusnet.com.au

Project

**NEW MCS BUILDING**  
75-81 CHELMSFORD DRIVE  
METFORD NSW 2323

Drawing Title

**PART SITE LAYOUT PLAN**

Drawn MA	Engineer RK	Scale AS NOTED	Sheet A1
Checked RK	Project No. 2052	Dwg. No. DA1.00	Issue A

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# STORMWATER MANAGEMENT PLAN

SCALE 1:100

## NOTE:

- REFER DRAWING C1.00 FOR GENERAL AND CONSTRUCTION NOTES.
- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH AS3500.
- ALL LEVELS DETAILS TO BE CONFIRMED FOLLOWING SITE SURVEY AND LOCATION OF EXISTING SERVICES CARRIED OUT BY THE BUILDING CONTRACTOR PRIOR TO CONSTRUCTION.

## CIVIL LEGEND

FFL 38.00	NOMINAL FINISHED FLOOR LEVEL
	GROUND STORMWATER DRAINAGE LINE
	REDUNDANT STORMWATER DRAINAGE LINE TO BE REMOVE
DP10	DOWNPIPE TO CONNECT TO STORMWATER OSD1 SYSTEM REFER HYDRAULIC ENGINEERS DETAILS
SSD	SUBSOIL DRAINAGE LINE
IR 0	INTERMEDIATE RISER TO SUBSOIL DRAINAGE LINE
HER 0	HIGH END RISER TO SUBSOIL DRAINAGE LINE
	DRAINAGE STRUCTURE & NUMBER REFER TO SCHEDULE
	EXISTING PIT TO BE REMOVED OR RELOCATED
	RELOCATE PIT, PROVIDE RISERS AS REQUIRED
	OVERLAND FLOW PATH
RW	RETAINING WALL
	30MM LOCALISED DOOR THRESHOLD RAMP TO AS1428
	SEWER MANHOLE
	EXISTING TREES
F37.00	PROPOSED FINISHED SURFACE LEVEL
P9.50	PROPOSED PIT FINISH GRATE LEVEL
IL8.35	PROPOSED PIT INVERT LEVEL
F8.35	PROPOSED FINISHED SURFACE LEVEL TO MATCH EXISTING
ER.35	ASSUMED EXISTING SURFACE LEVEL
P.P.TME	PROPOSED PIT FINISH TO MATCH EXISTING SURFACE
ToW 37.80	PROPOSED TOP OF WALL
E	ELECTRICITY
W	WATER
	CONCRETE PAVEMENT SLABS
	PROPOSED BUILDING
	EXISTING BUILDING



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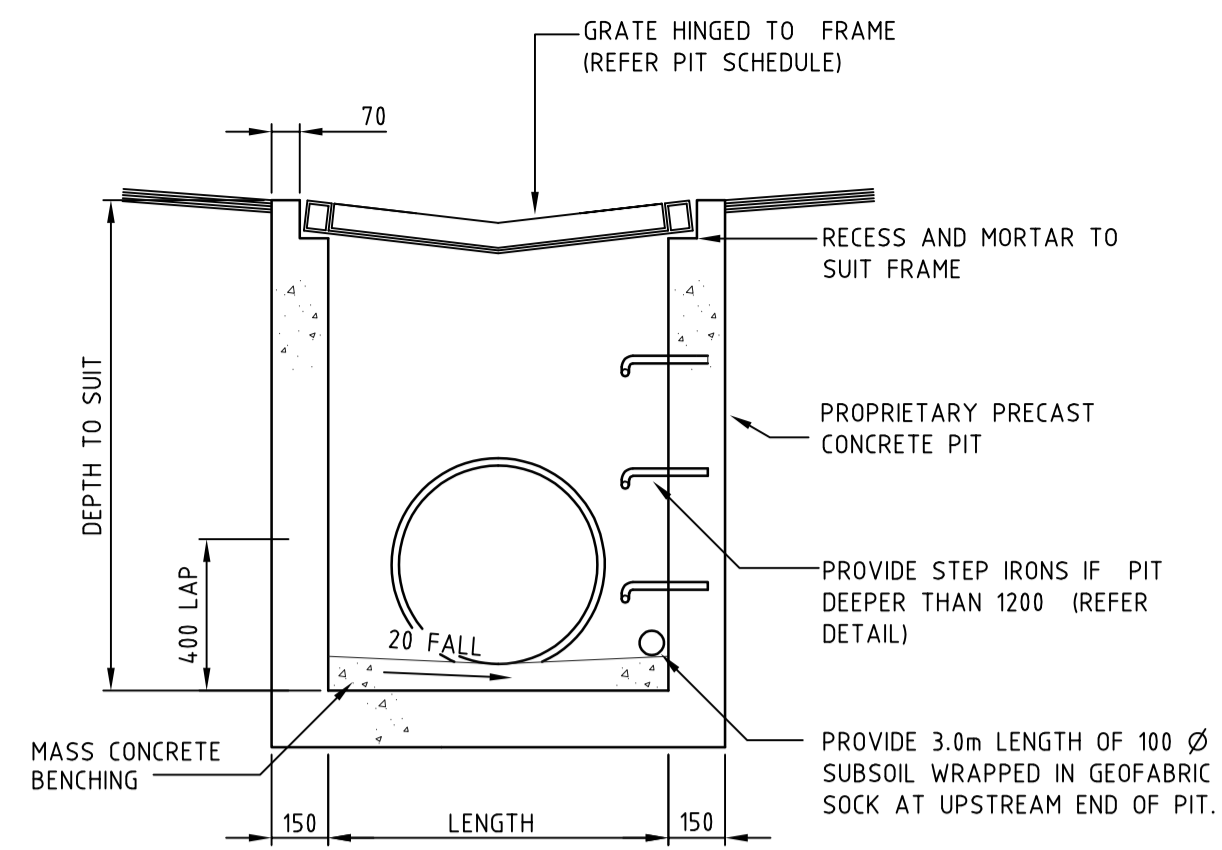
Project

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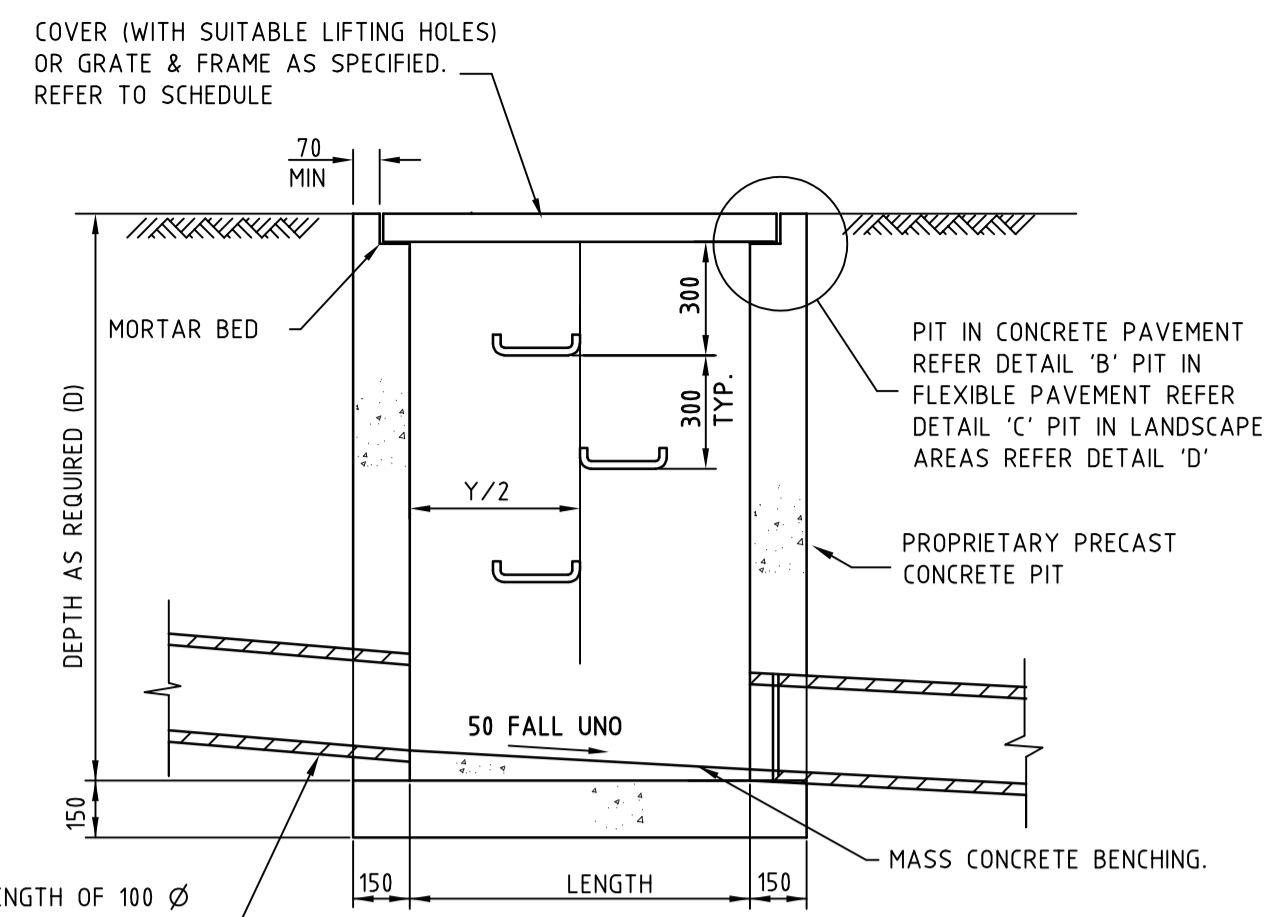
Drawing Title			
STORMWATER MANAGEMENT PLAN - SHEET 1			
Drawn MA	Engineer RK	Scale AS NOTED	Sheet A1
Checked RK	Project No. 2052	Dwg. No. DA2.00	Issue A

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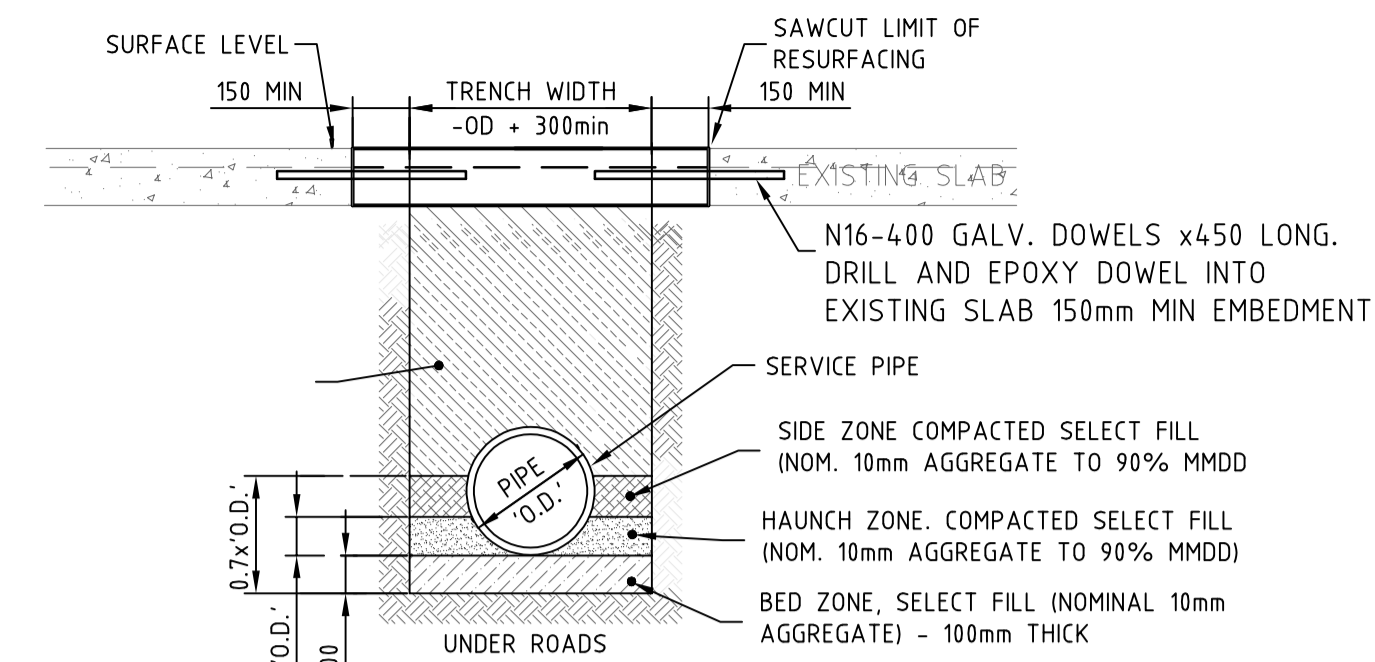




SECTION 4  
SCALE 1:20

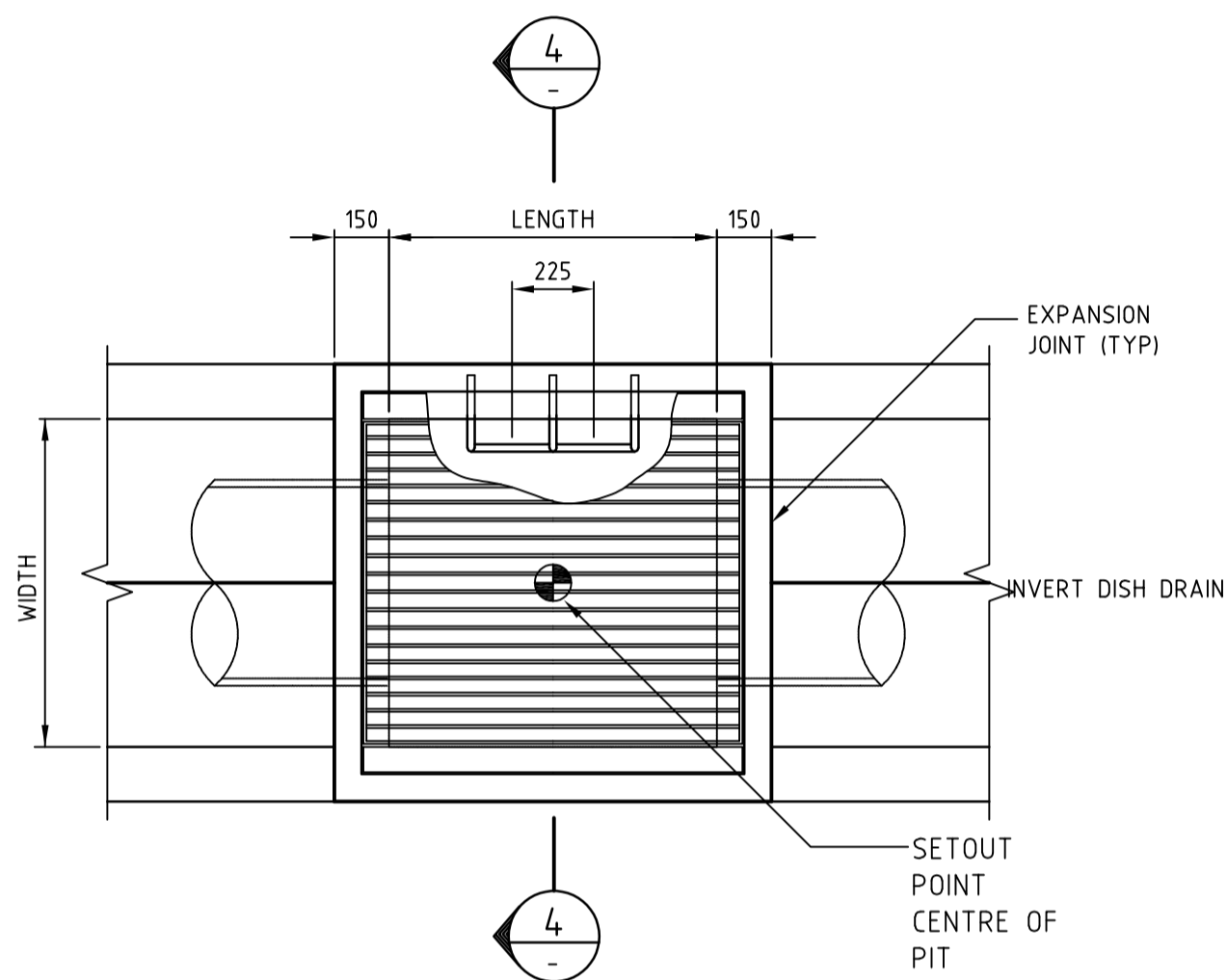


SECTION 2  
SCALE 1:20

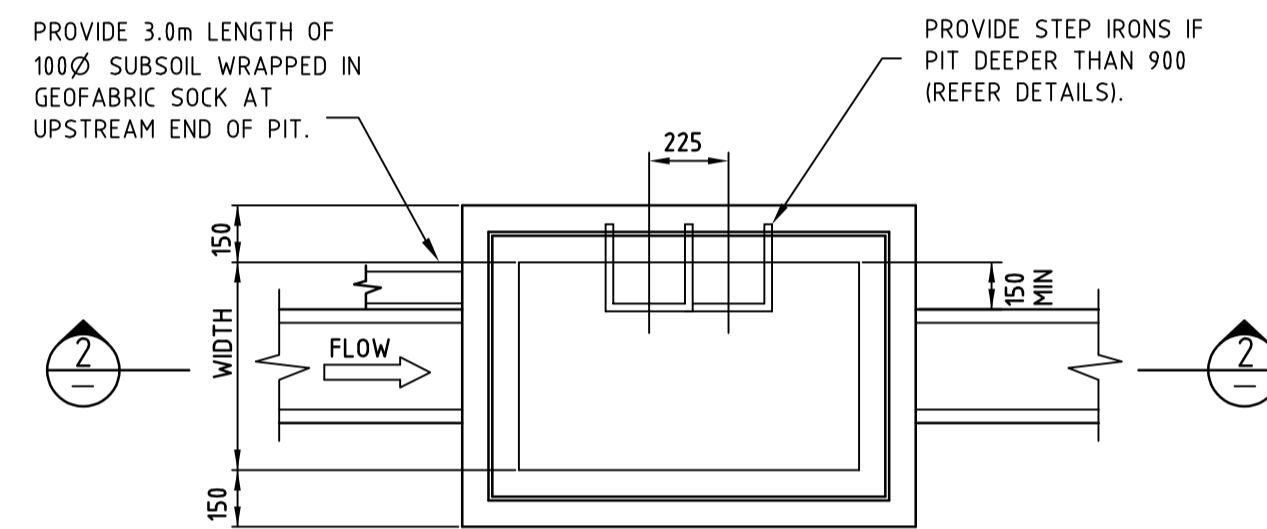


CONCRETE PAVEMENT REINSTATEMENT  
SERVICE TRENCH  
SCALE NTS

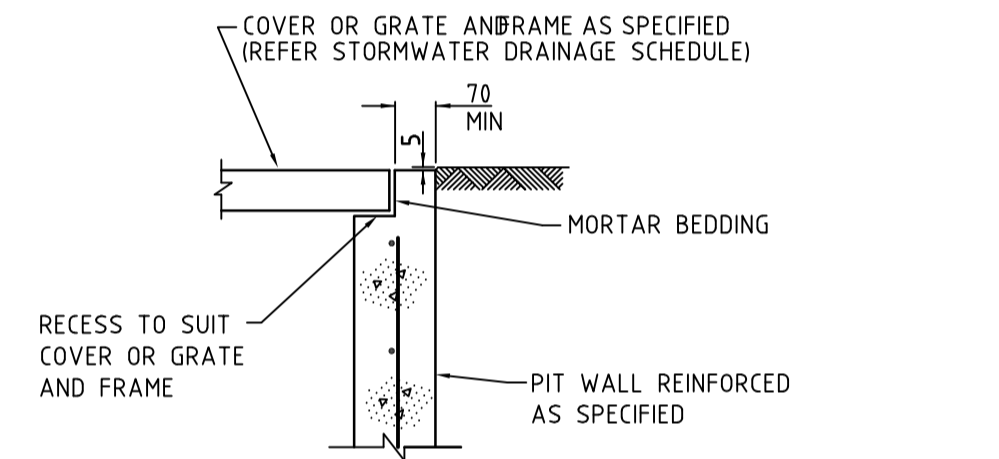
- NOTES
- TRENCH WIDTH MAY NEED TO INCREASE SUBJECT TO ACHIEVING ADEQUATE COMPACTION.
  - PROVIDE MINIMUM PIPE COVER TO ELECTRICAL ENGINEERS REQUIREMENTS.
  - THE CONTRACTOR SHALL ENSURE THAT THE SHORING OF TRENCHES IS INSTALLED AS REQUIRED BY STATUTORY REQUIREMENTS.
  - ENSURE BACKFILLING COMPACTION MEETS THE FOLLOWING STANDARDS:  
-UNDER PAVED AREAS & BUILDINGS - 98% SMDD UNO



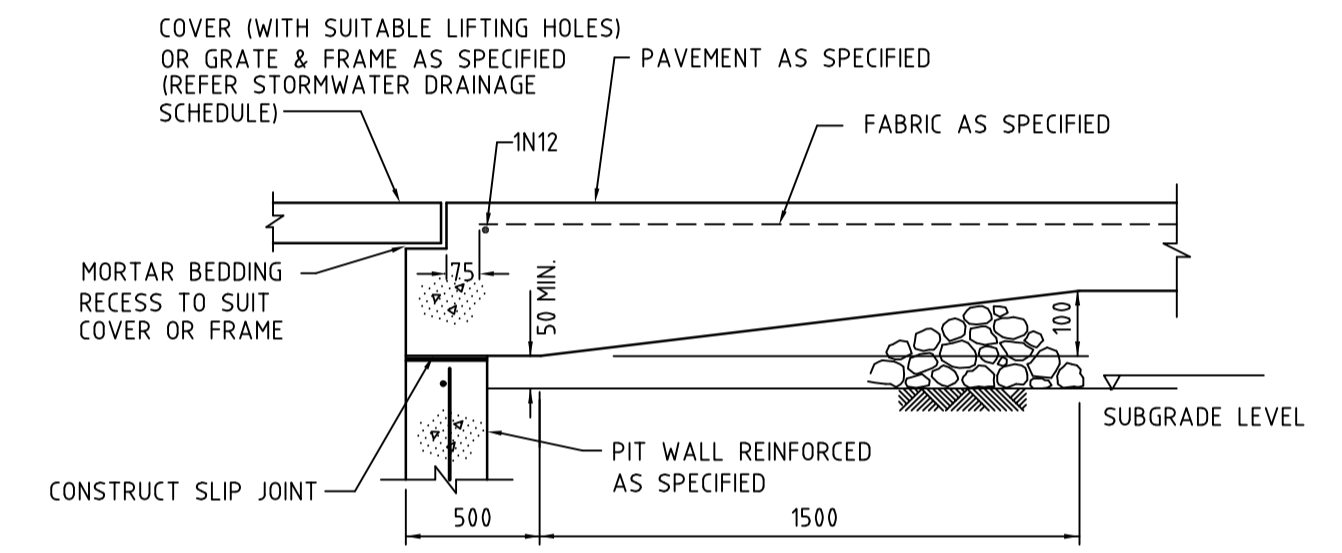
'V' GRATED PIT' PIT  
SCALE 1:20



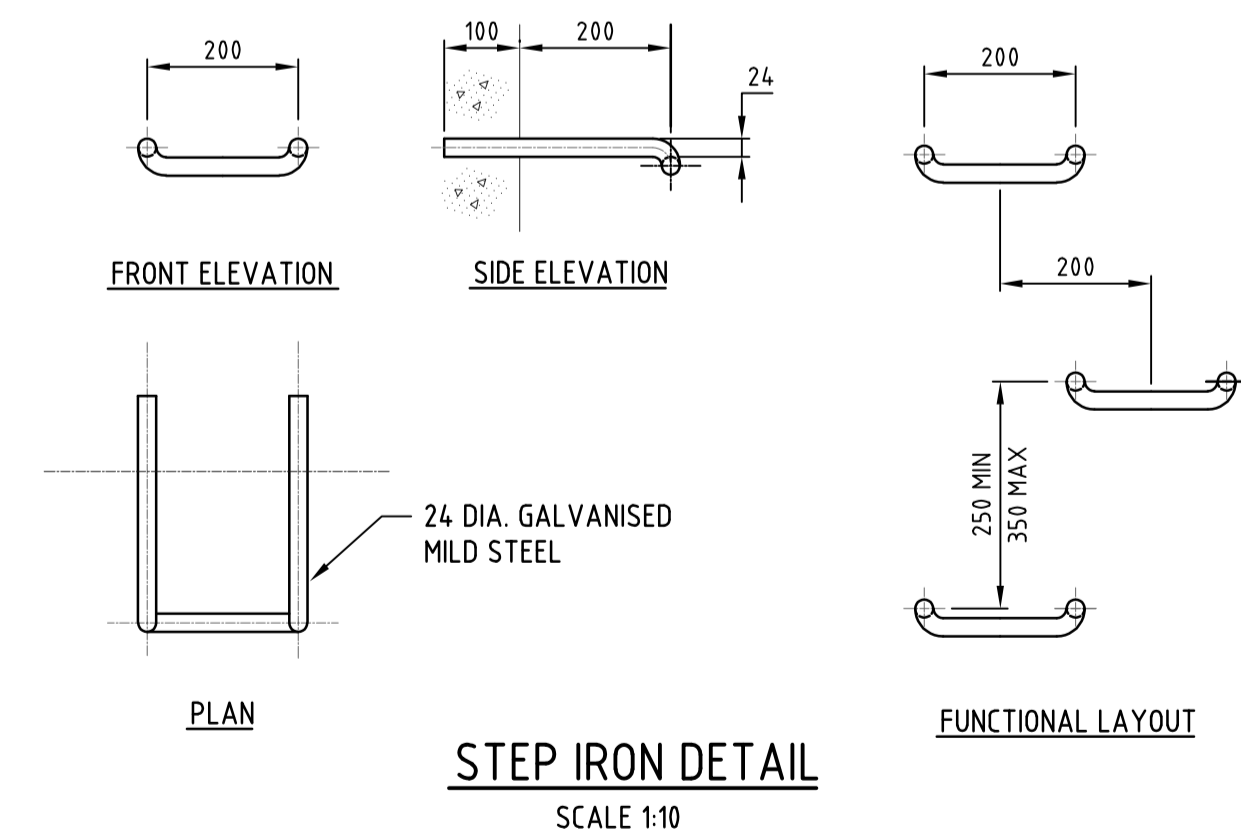
PLAN  
SCALE 1:20  
SURFACE INLET/JUNCTION PIT



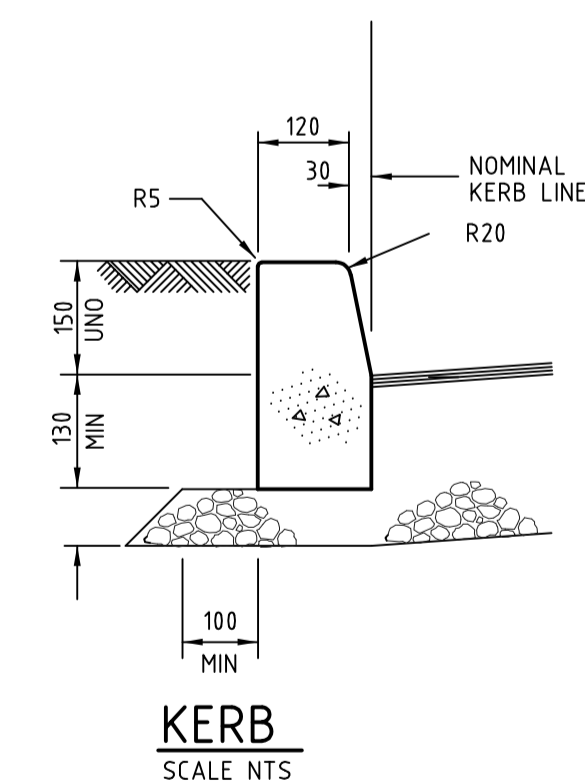
DETAIL (FOR SERVICE PITS IN LANDSCAPED AREAS)  
N.T.S



DETAIL (FOR SERVICE PITS IN CONCRETE PAVEMENTS)  
N.T.S



STEP IRON DETAIL  
SCALE 1:10



KERB  
SCALE NTS

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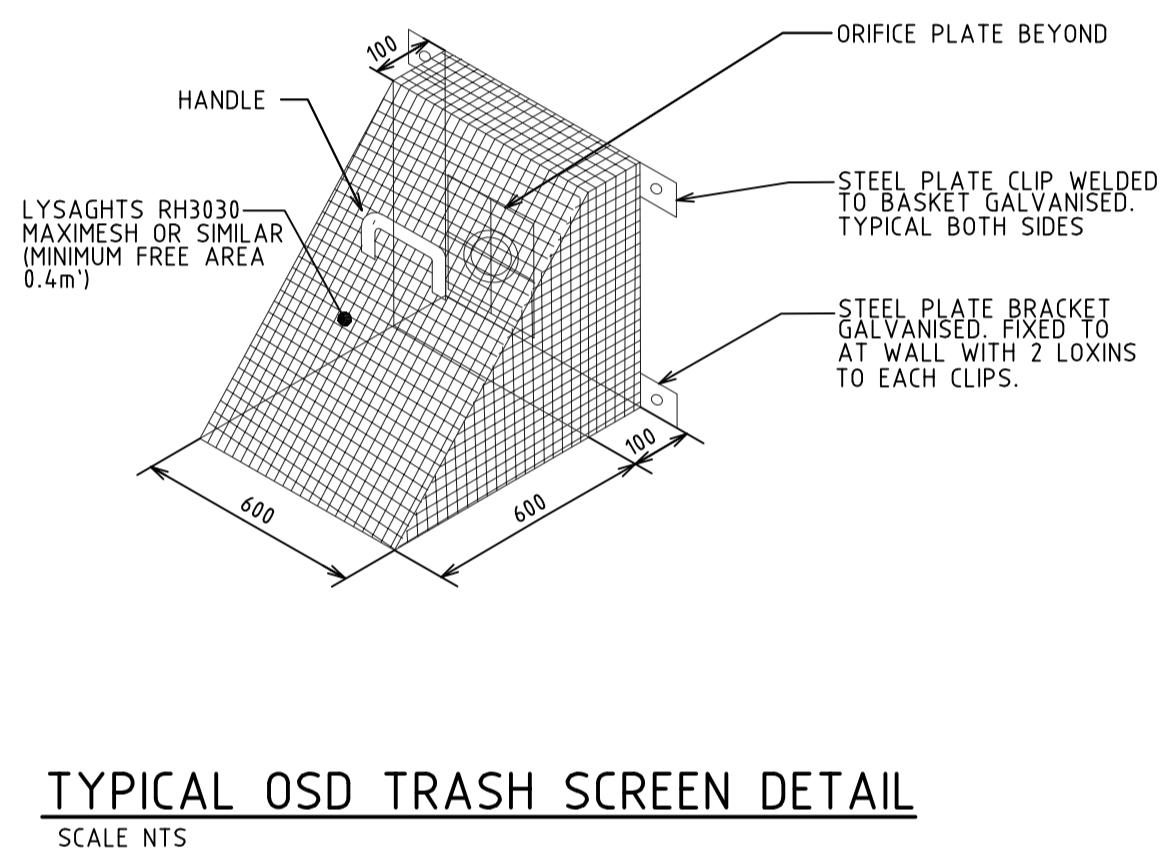
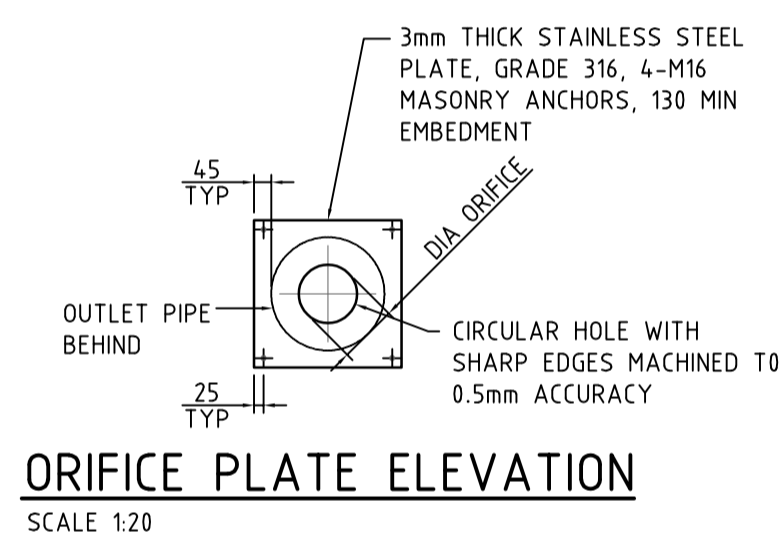
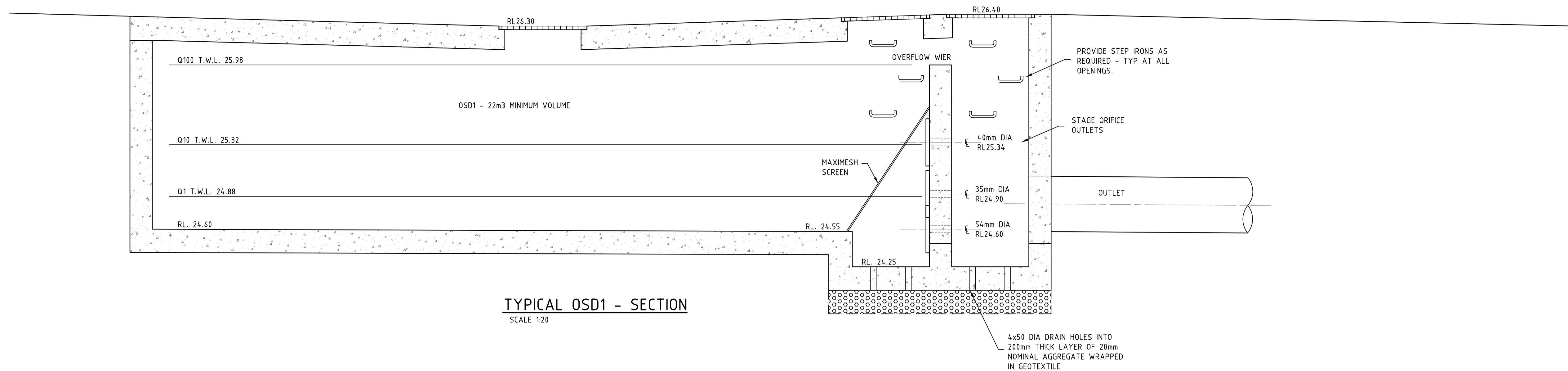
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Drawing Title			
STORMWATER DETAILS SHEET 1			
Drawn MA	Engineer RK	Scale AS NOTED	Sheet A1
Checked RK	Project No. 2052	Dwg. No. DA3.00	Issue A

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DO NOT SCALE

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Drawing Title			
<b>STORMWATER DETAILS SHEET 2</b>			
Drawn	Engineer	Scale	Sheet
MA	RK	AS NOTED	A1
Checked	Project No.	Dwg. No.	Issue
RK	2052	DA3.01	A

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