

### LEGEND

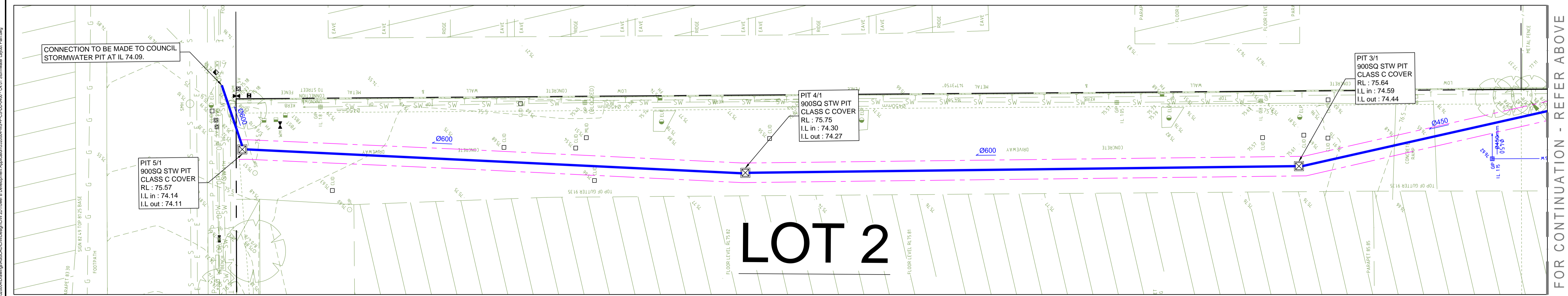
- 1m WIDE SWALE
- GRATED INLET PIT
- JUNCTION PIT
- EXISTING STORMWATER PIPE DIAMETER AND DIRECTION OF FLOW
- EXISTING STORMWATER PIPE
- PROPOSED STORMWATER PIPE DIAMETER AND DIRECTION OF FLOW
- PROPOSED STORMWATER PIPE
- 2.5m WIDE STORMWATER EASEMENT

**NOTE:**

1. A MINIMUM CLEARANCE OF 300mm IS TO BE PROVIDED BETWEEN THE PROPERTY BOUNDARY AND THE PROPOSED STORMWATER PITS WHICH DRAIN THROUGH LOT 2.
2. THE INTER-ALLOTMENT DRAINAGE HAS BEEN DESIGNED TO CATER FOR THE UNCONTROLLED RUNOFF EMANATING FROM THE 1% AEP STORM EVENT FOR LOT 1.
3. THE EXISTING STORMWATER SYSTEM IN LOT 2 IS TO BE RETAINED AND SHALL REMAIN INDEPENDENT OF THE PROPOSED INTER-ALLOTMENT DRAINAGE.

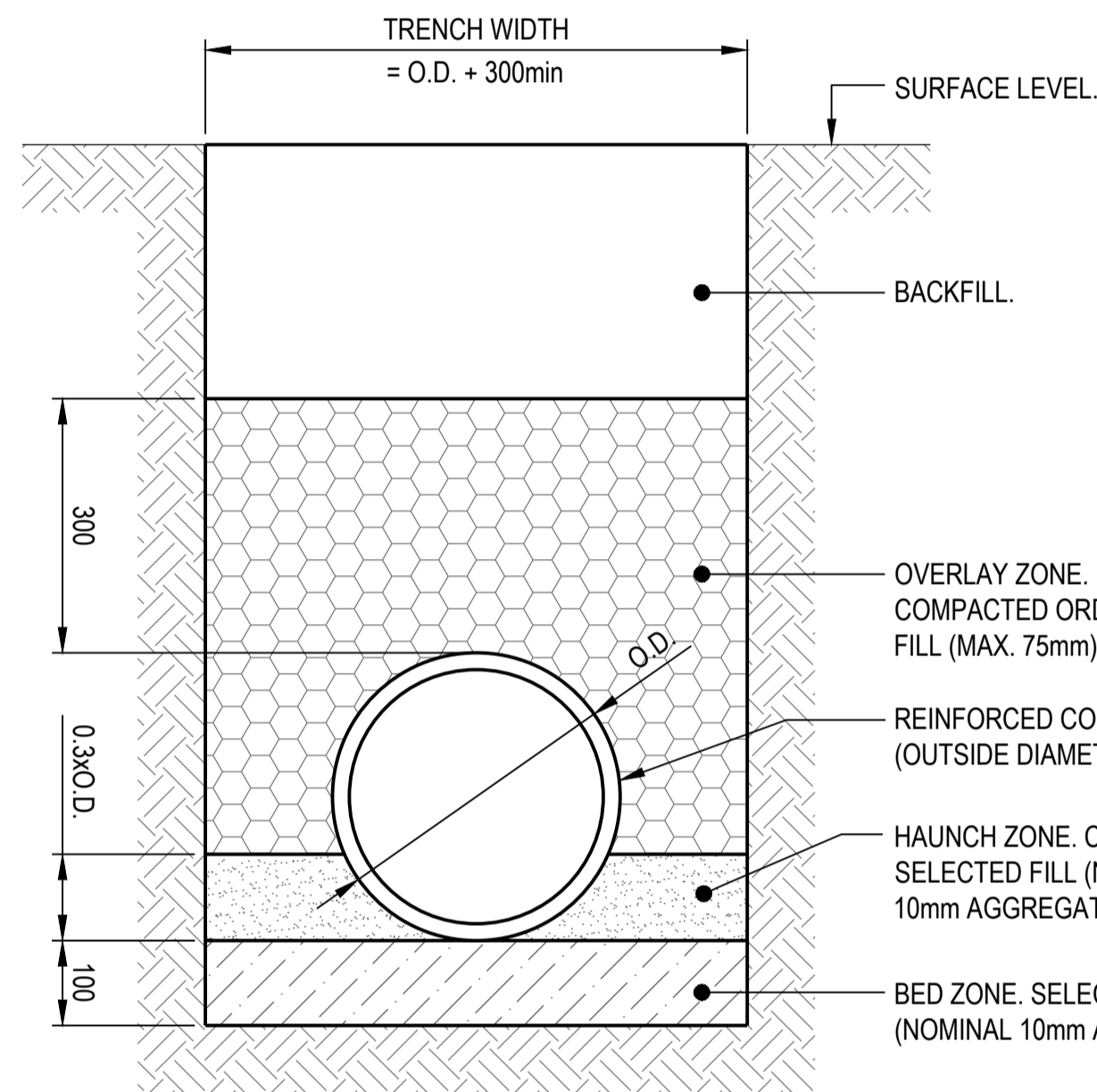
FOR CONTINUATION - REFER BELOW

FOR CONTINUATION - REFER ABOVE



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			REVISION	AMENDMENT	DATE																								
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AS SHOWN	S.E.	L.Si.	L.Sh.	M.C.																									
<p>PROJECT</p> <p style="text-align: center;"><b>NORTH SHORE HEALTH HUB</b></p>			<p>CLIENT</p> <p style="text-align: center;"><b>DEXUS</b></p>		<p>PREPARED BY</p> <p style="text-align: center;"><b>WARREN SMITH &amp; PARTNERS</b></p>																								

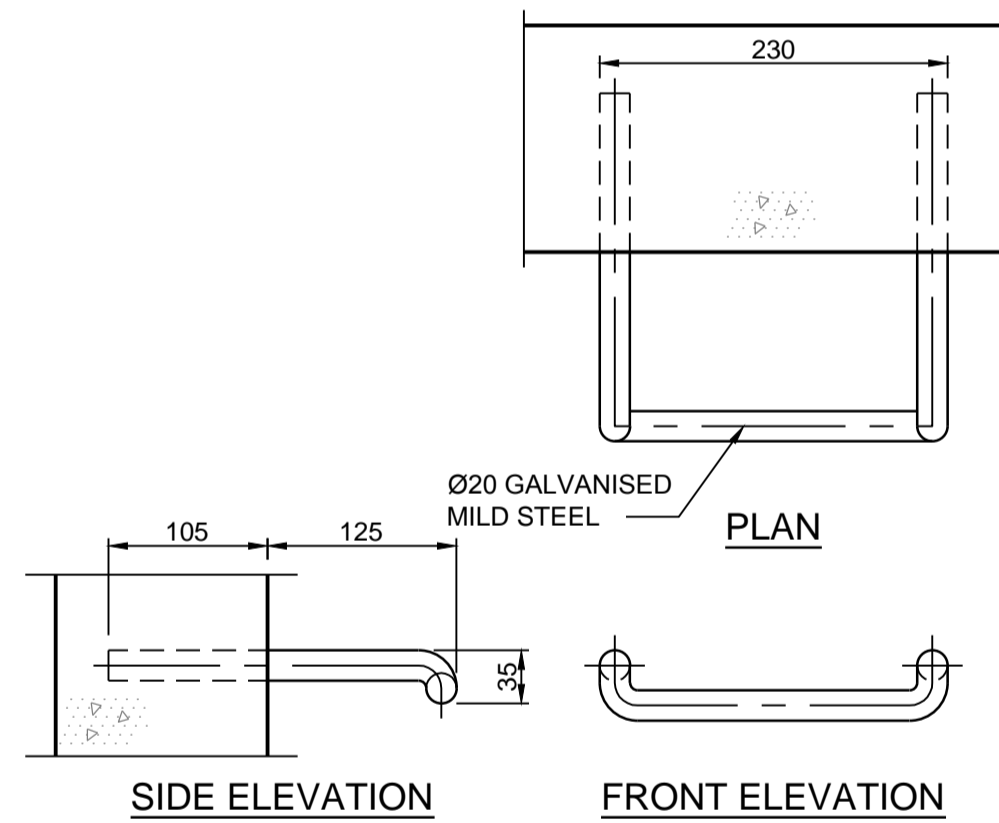
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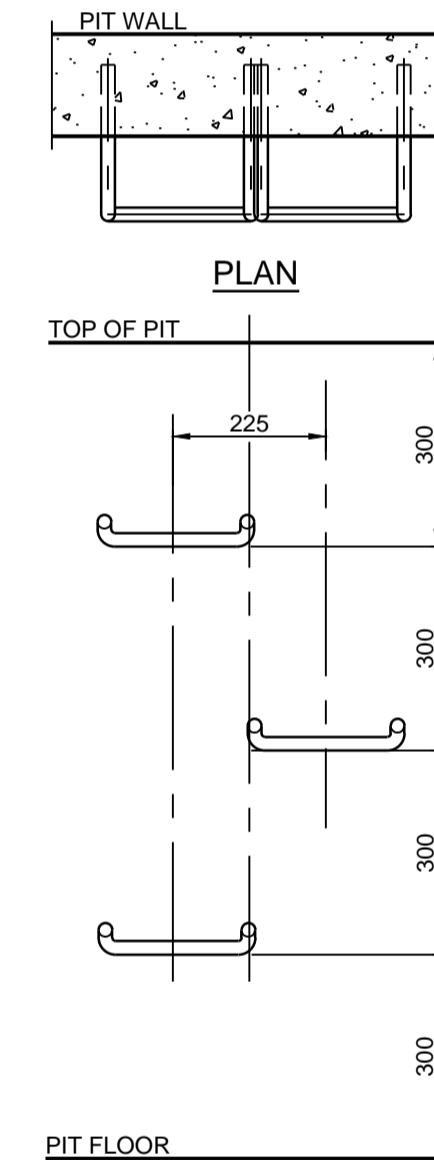
**GENERAL AREAS  
TYPICAL PIPE TRENCH**  
NOT TO SCALE

**NOTES:**

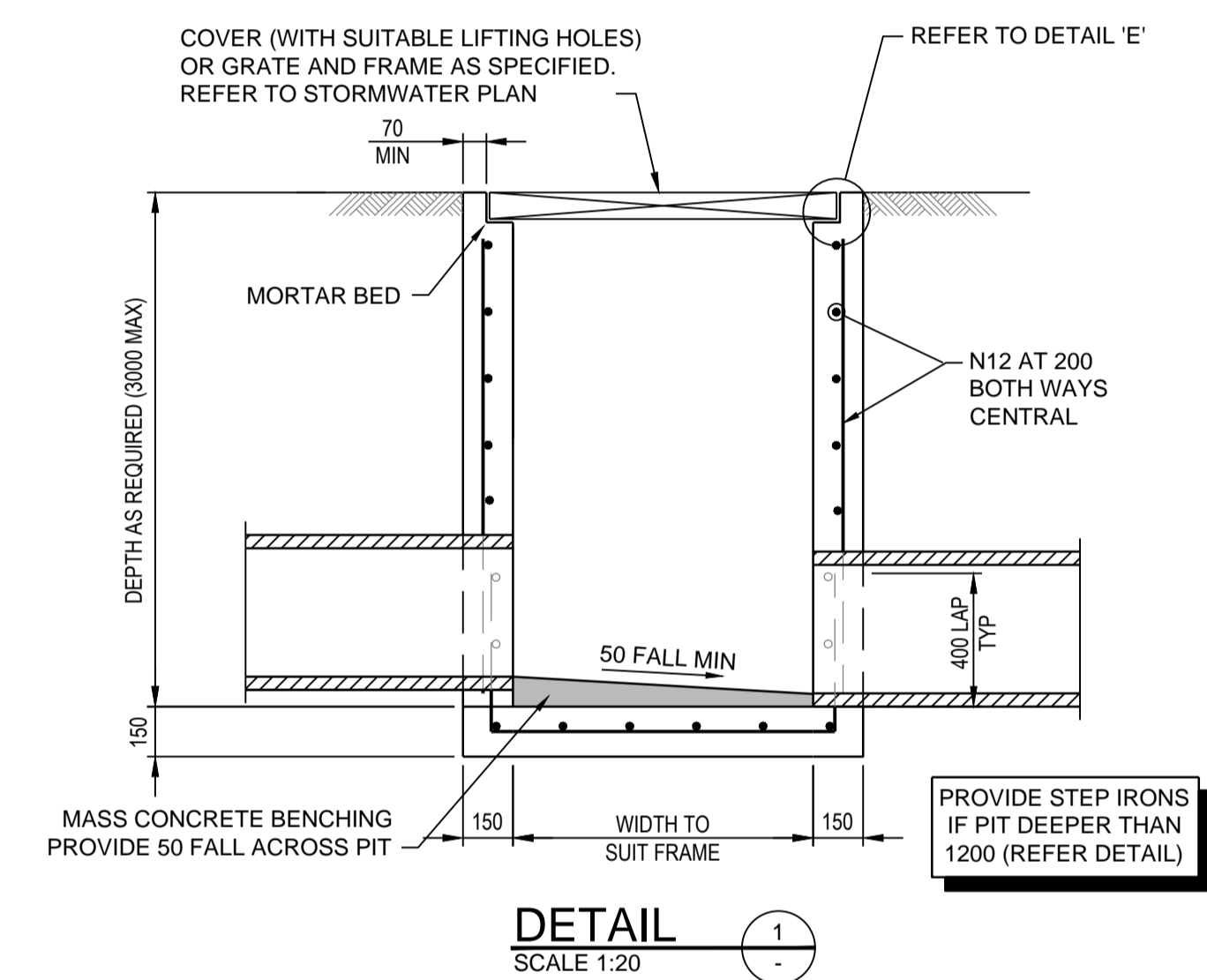
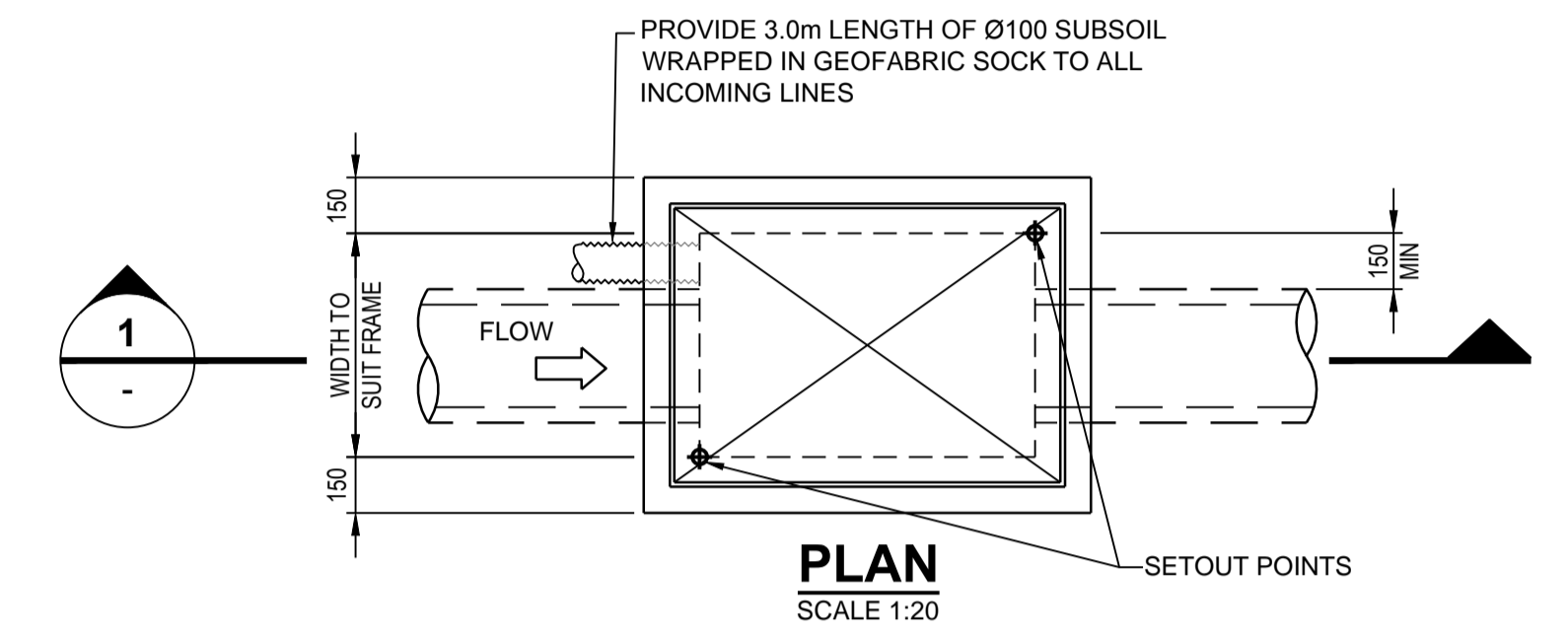
- TRENCH WIDTH MAY NEED TO BE INCREASED SUBJECT TO ACHIEVING ADEQUATE COMPACTION.
- MINIMUM PIPE COVER NOT UNDER ROADS = 300mm UNO.
- THE CONTRACTOR SHALL ENSURE THAT THE SHORING OF TRENCHES IS INSTALLED AS REQUIRED BY STATUTORY REQUIREMENTS.
- ENSURE BACKFILLING COMPACTION MEETS THE FOLLOWING STANDARDS;
  - A) TRENCHES UNDER PAVED AREAS & BUILDINGS - 100% SMDD.
  - B) TRENCHES NOT UNDER PAVEMENTS - 90% SMDD.



**STEP IRON DETAIL**  
SCALE 1:5



**STEP IRON  
PLACEMENT TO PIT WALL**  
SCALE NTS

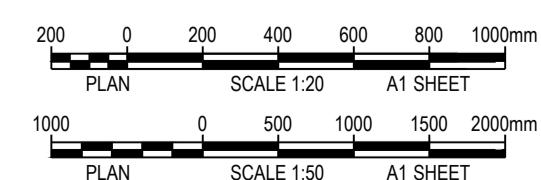


**DETAIL**  
SCALE 1:20

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REVISION	AMENDMENT	DATE	REVISION	AMENDMENT	DATE
1	DEVELOPMENT APPLICATION	05/12/17			

CLIENT  
**DEXUS**

PROJECT  
**NORTH SHORE HEALTH HUB**

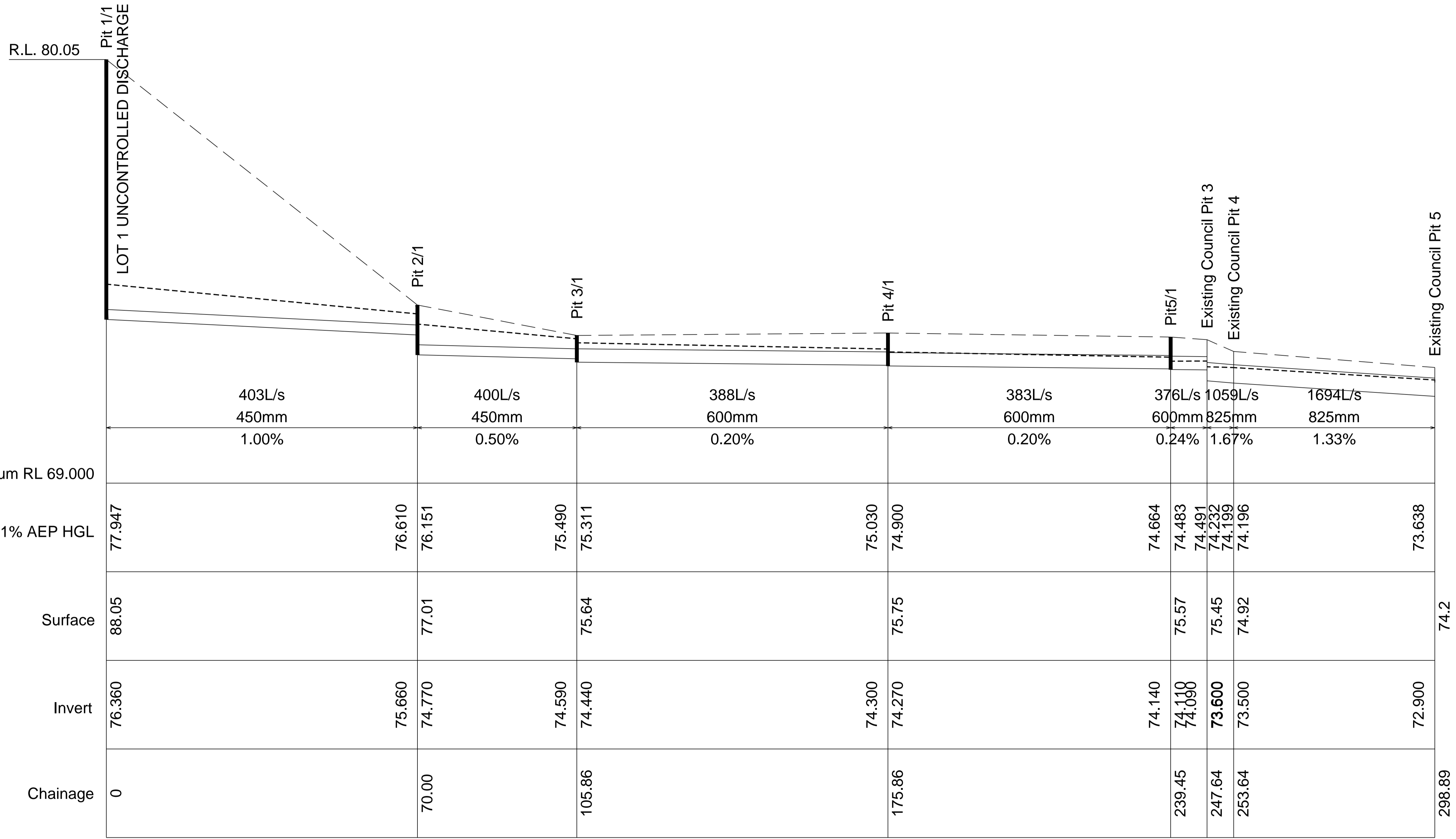
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TITLE				
<b>STORMWATER DRAINAGE DETAILS SHEET 1 OF 2</b>				
SCALE AS SHOWN	DRAWN S.E.	DESIGNED L.Si	CHECKED L.Sh	APPROVED M.C.
JOB No. <b>5320004</b>		DRAWING No. <b>C4.02</b>		ISSUE <b>1</b>
DATE DEC 2017		STATUS DEVELOPMENT APPLICATION		



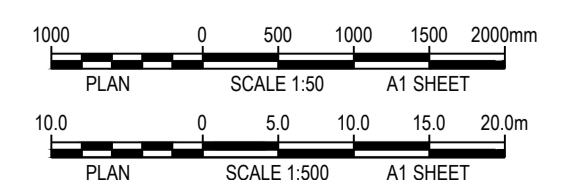
**DRAINAGE LINE 1 LONGTIDINAL SECTION**

SCALES: HORIZONTAL 1:500 VERTICAL 1:50

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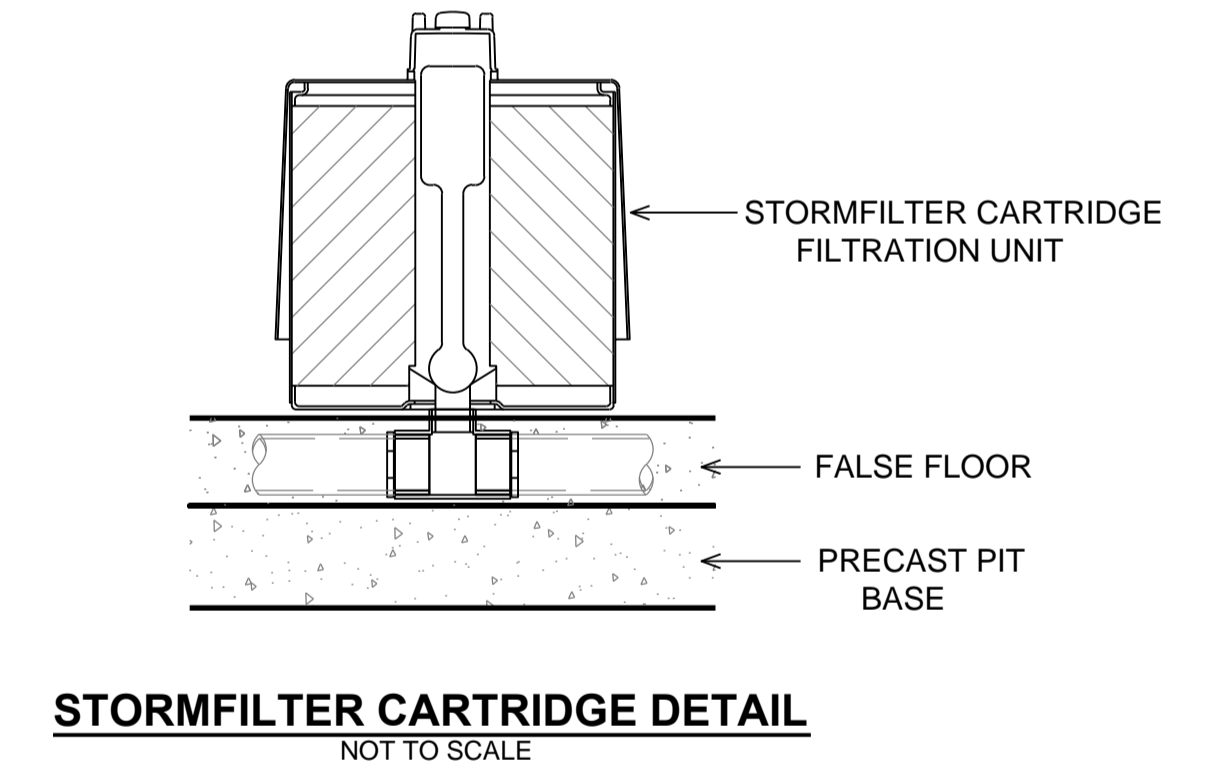
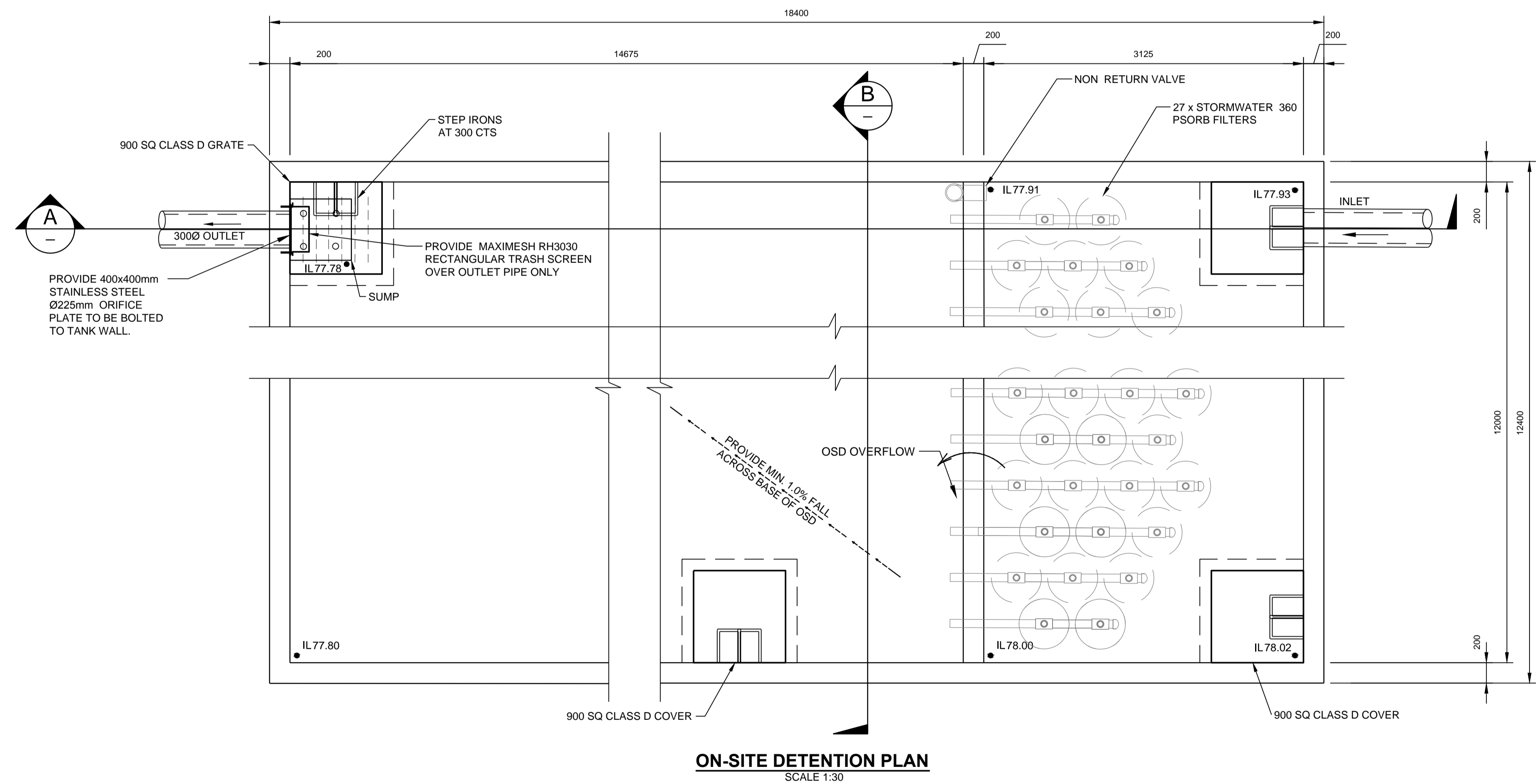
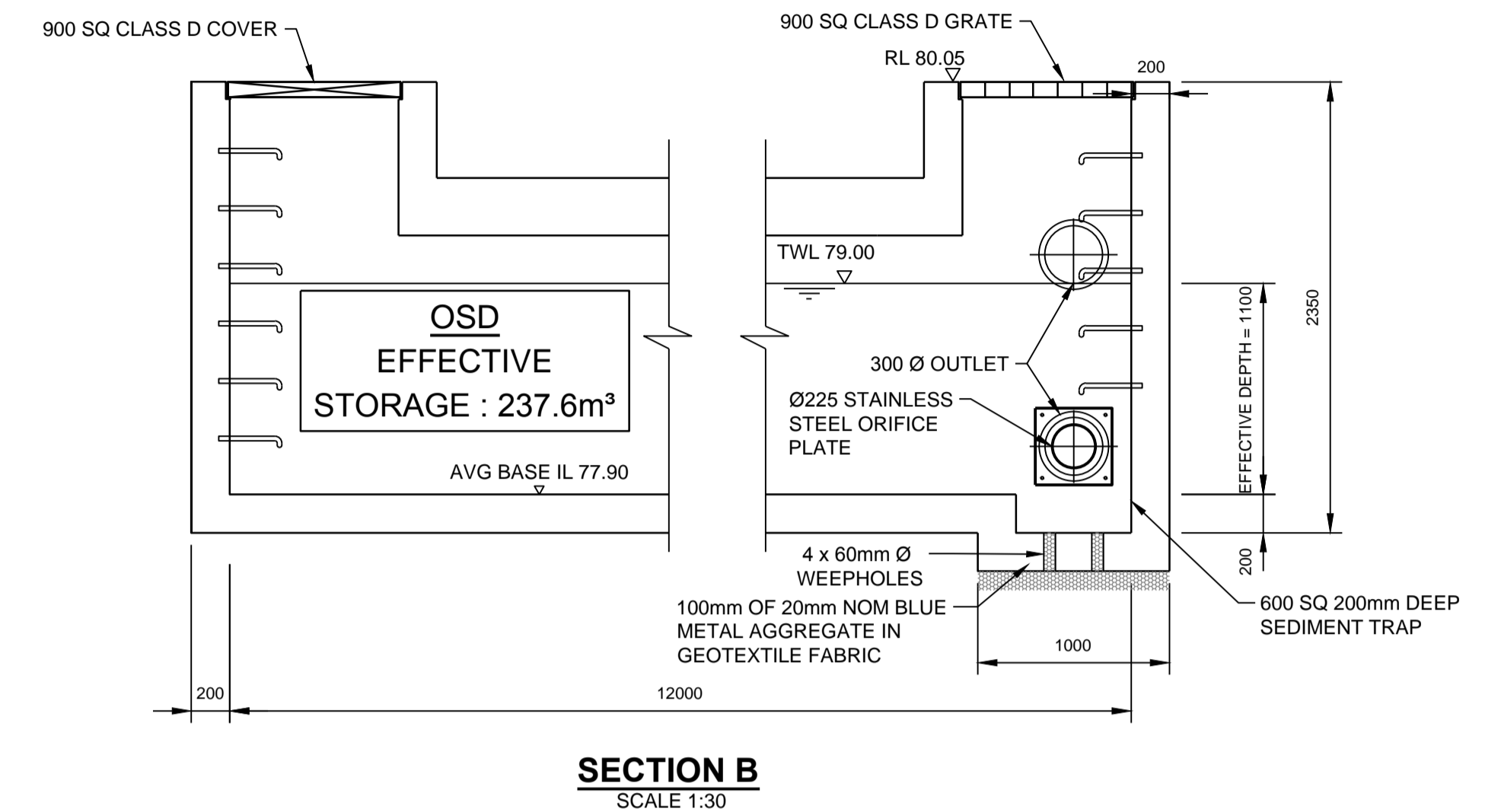
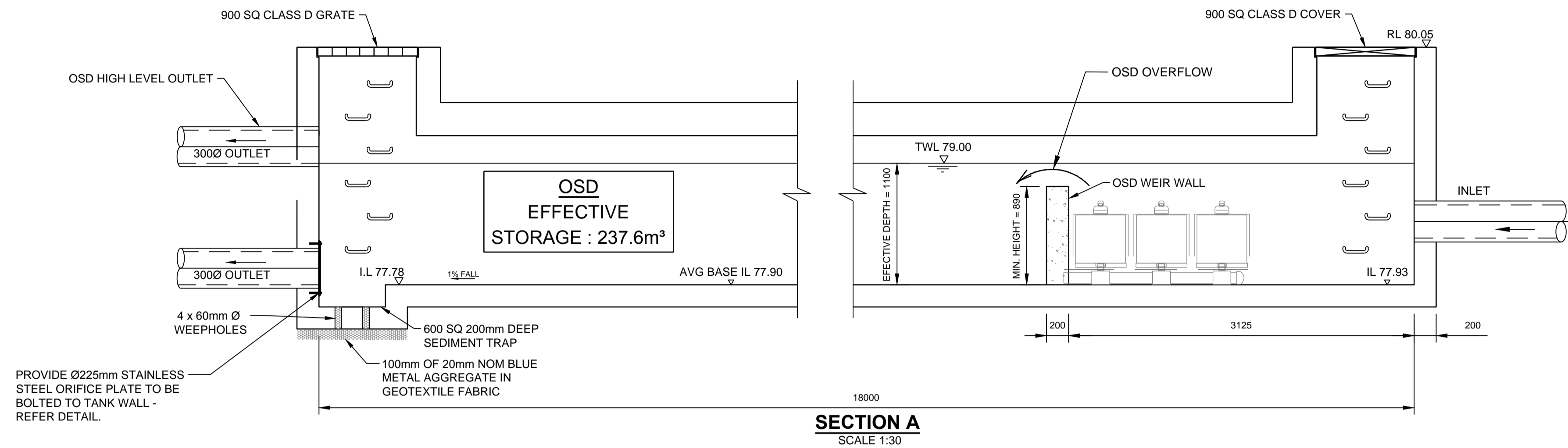
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TITLE				
<b>STORMWATER DRAINAGE DETAILS SHEET 2 OF 2</b>				
SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
AS SHOWN	S.E.	L.Si.	L.Sh.	M.C.
JOB No.	DRAWING No.		ISSUE	
<b>5320004</b>	<b>C4.03</b>		<b>1</b>	
DATE	STATUS			
DEC 2017	DEVELOPMENT APPLICATION			



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 Plot Date: 05/12/2017 14:12:35  
 User Name: bmgp  
 Login Name: bmgp

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1	DEVELOPMENT APPLICATION	05/12/17			

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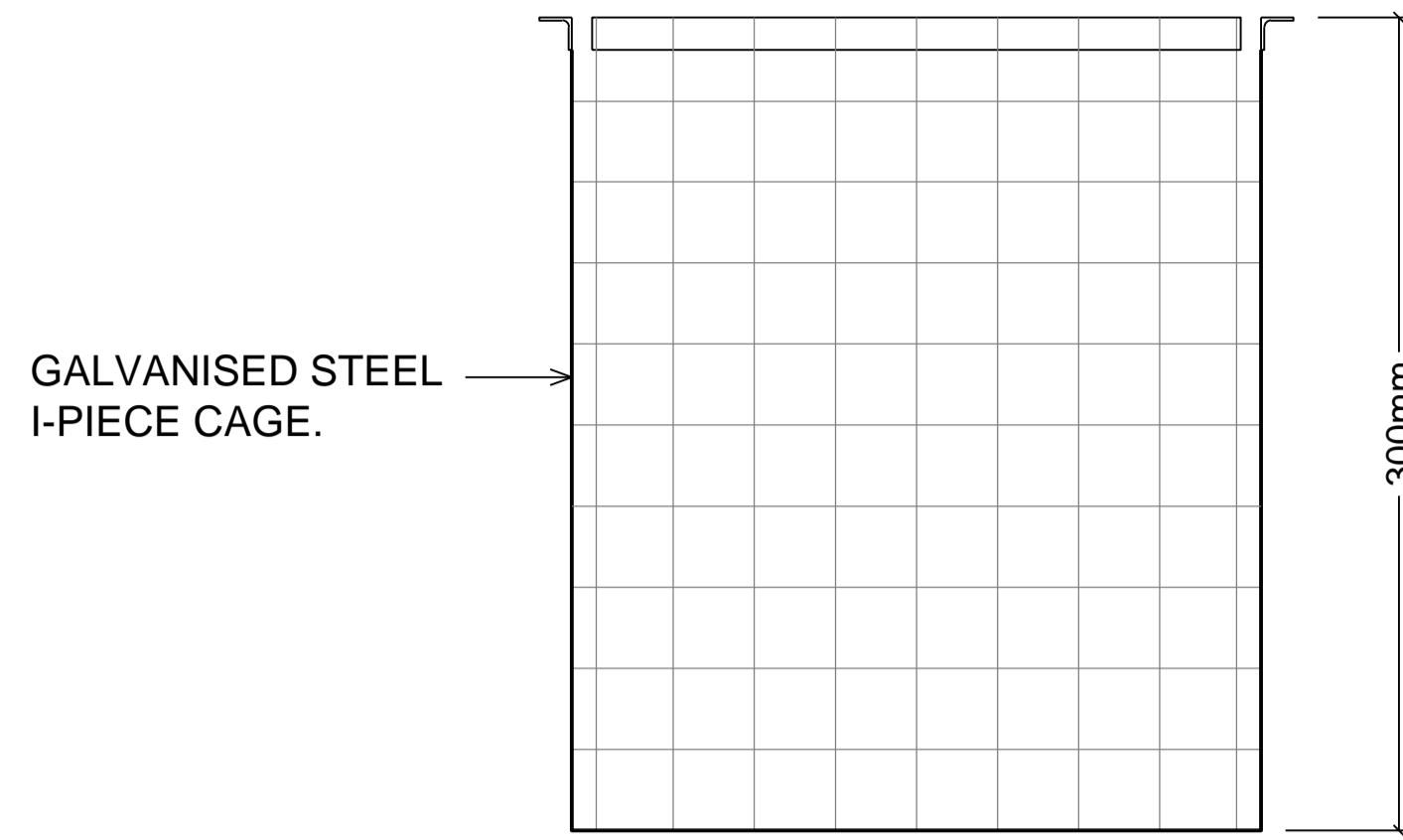
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TITLE <b>ON-SITE DETENTION PLAN AND DETAILS</b>				
SCALE 1:30	DRAWN S.E.	DESIGNED L.Si	CHECKED L.Sh	APPROVED M.C.
JOB No. <b>5320004</b>		DRAWING No. <b>C4.04</b>		
DATE DEC 2017		STATUS DEVELOPMENT APPLICATION		



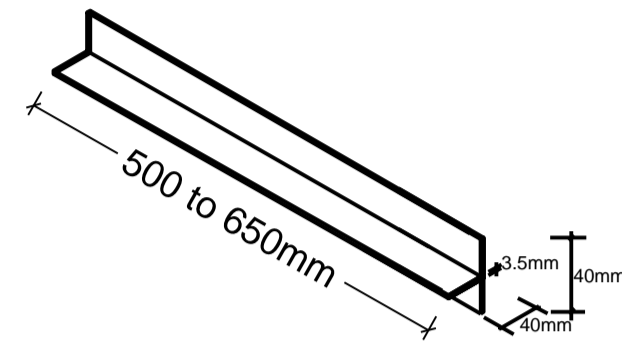
GALVANISED STEEL I-PIECE CAGE.

300mm

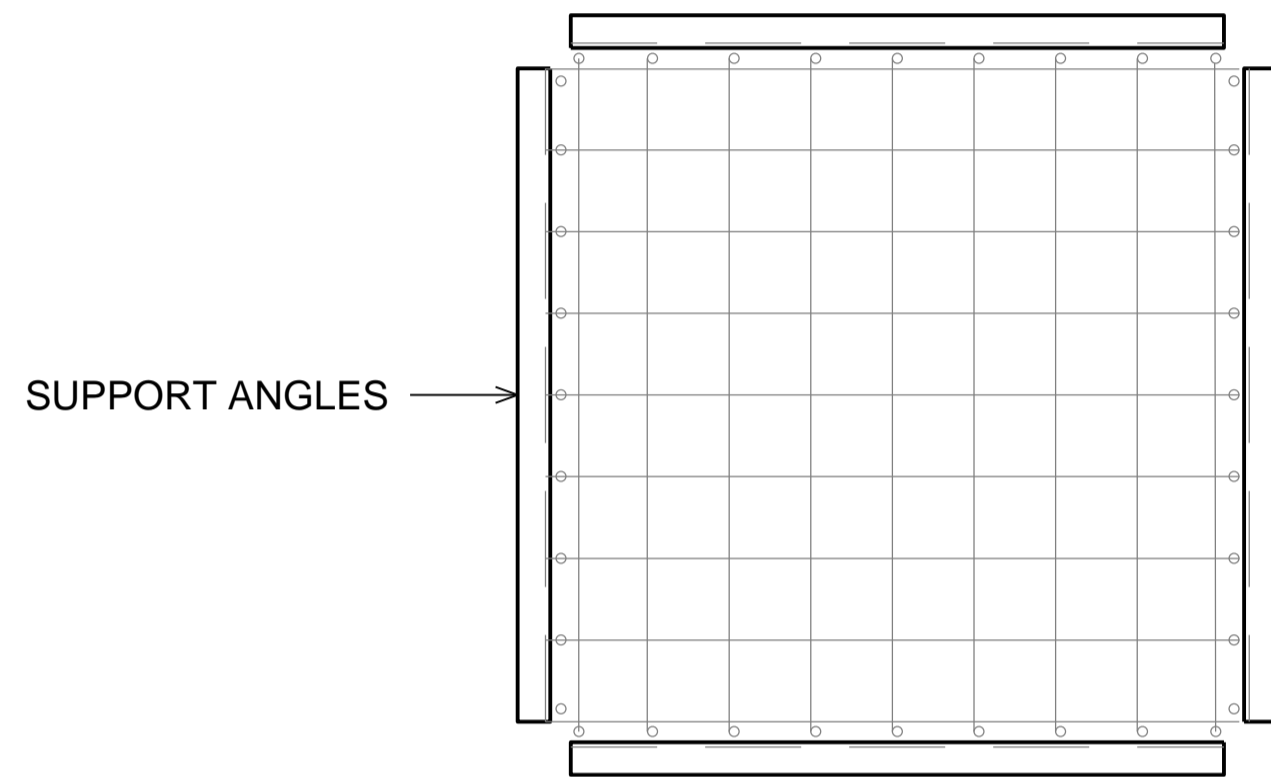
**C-TYPE UNIT CONFIGURATIONS**

UNIT TYPE	STRUT TYPE	TOP TYPE	CAGE TYPE 1-PIECE (HEIGHT mm)	RING TYPE	BAG TYPE (HEIGHT mm)
C3	C	C	C3(300)	C	C3(300)
C5	C	C	N/A	C	C5(170)

NOTE: UNIT TYPES C5 ARE INSTALLED WITHOUT ANY CAGES. USE ONLY STRUT, TOP, BAG & RING.

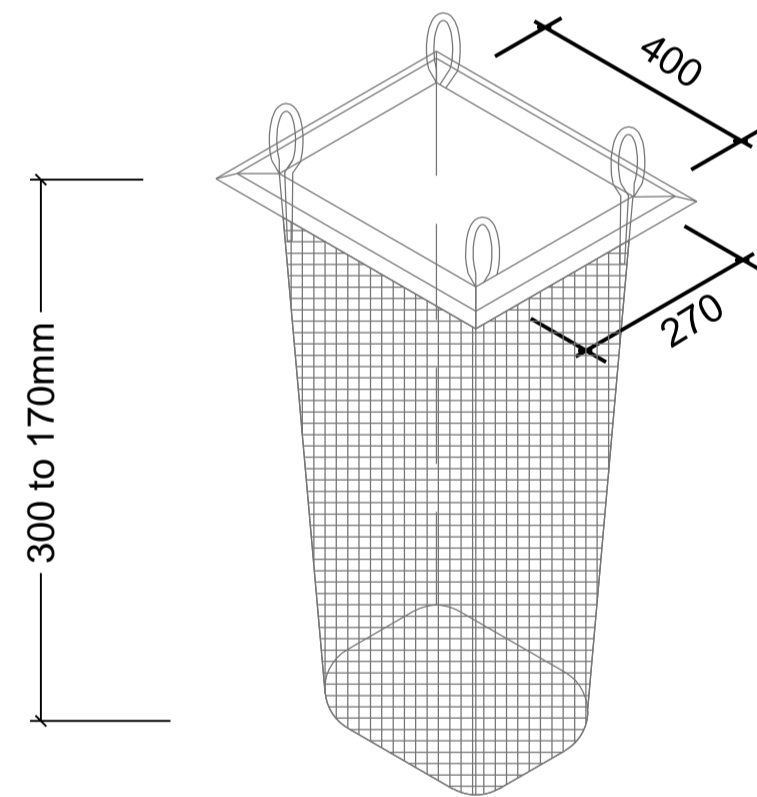


**C1(600MM) TO C3 (300MM) CAGES - PLAN**



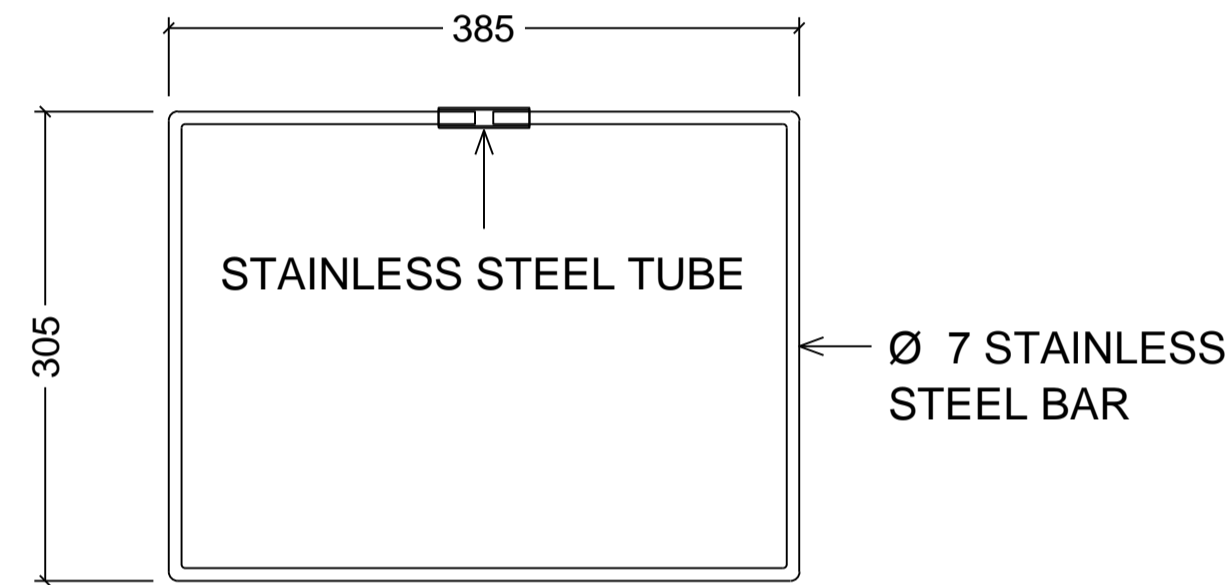
SUPPORT ANGLES

**C3 (300MM) CAGES - SECTION**

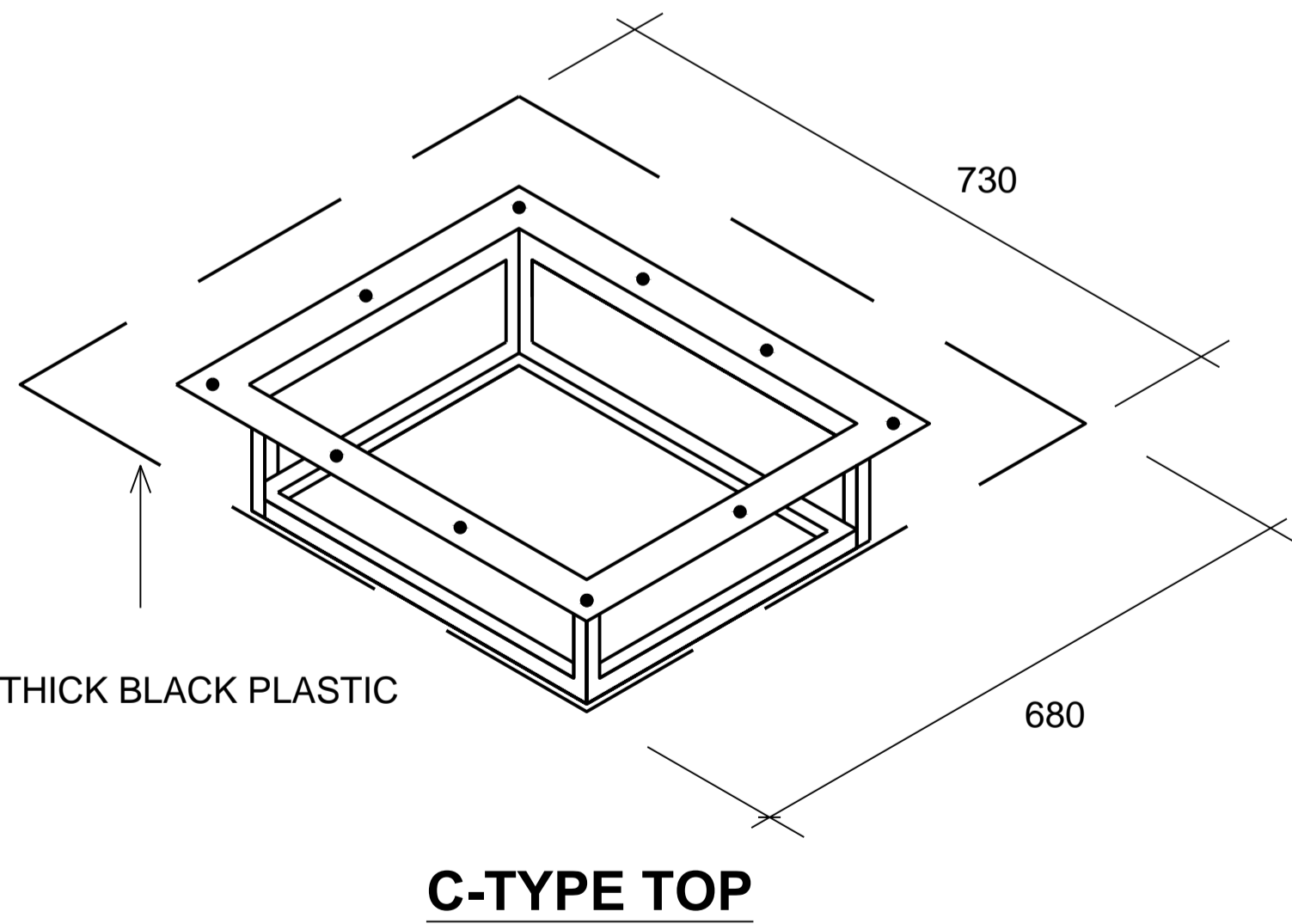


**C3(300MM) TO C5 (170MM nom.) BAGS**

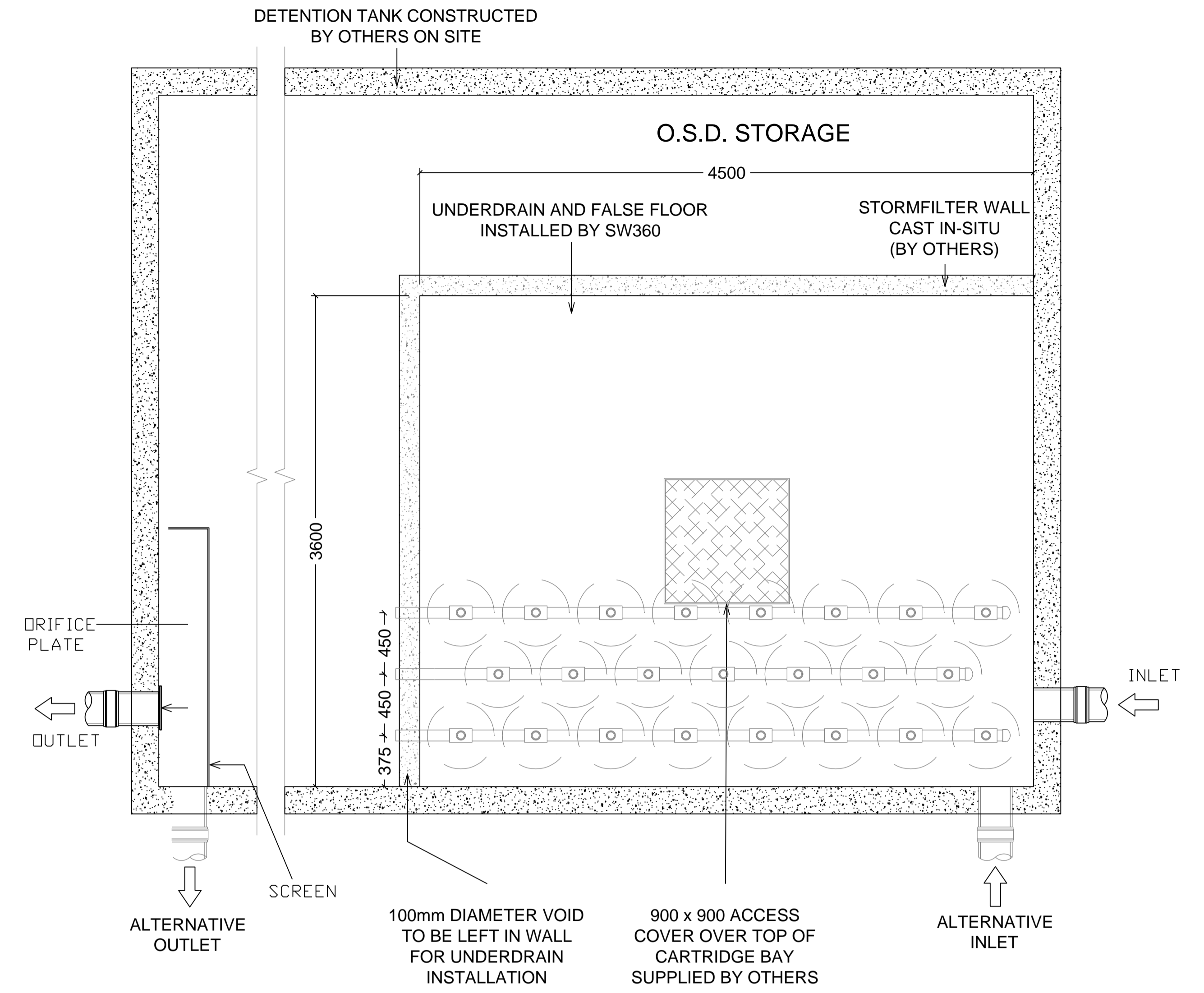
**C-TYPE ALUMINIUM STRUT**



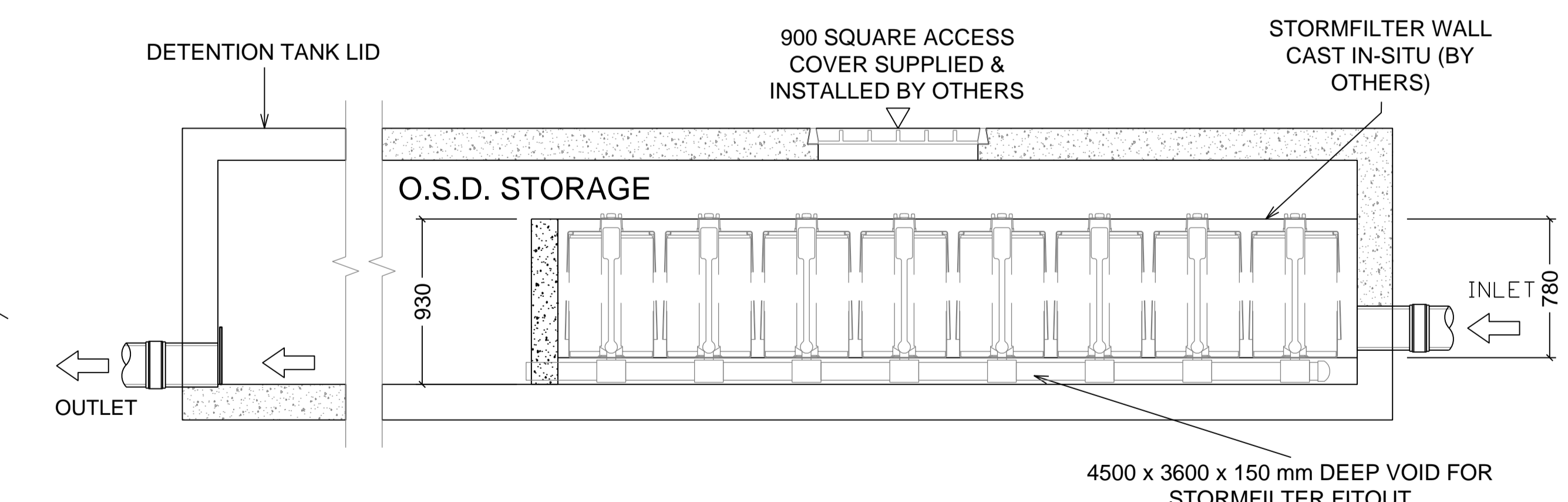
**C-TYPE RING**



**C-TYPE TOP**



**STORMFILTER CHAMBER PLAN LAYOUT**



**STORMFILTER CHAMBER SECTION**

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 Plot Date: 05/12/2017 14:02:33  
 User Name: bingyi

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TITLE				
<b>TYPICAL STORMWATER360 STANDARD DETAILS</b>				
SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
AS SHOWN	S.E.	L.Si.	L.Sh.	M.C.
JOB No.	DRAWING No.		ISSUE	
<b>5320004</b>	<b>C4.05</b>		<b>1</b>	
DATE	STATUS			
DEC 2017	DEVELOPMENT APPLICATION			