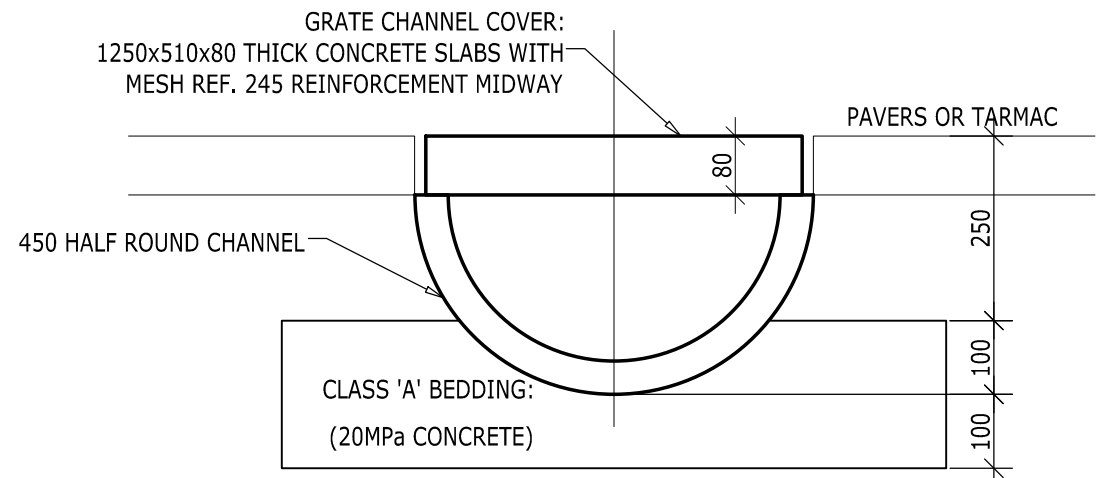


KEY:	
STORMWATER PIPE	---
STORMWATER SURFACE DRAIN	—
SEWER PIPE	—●—

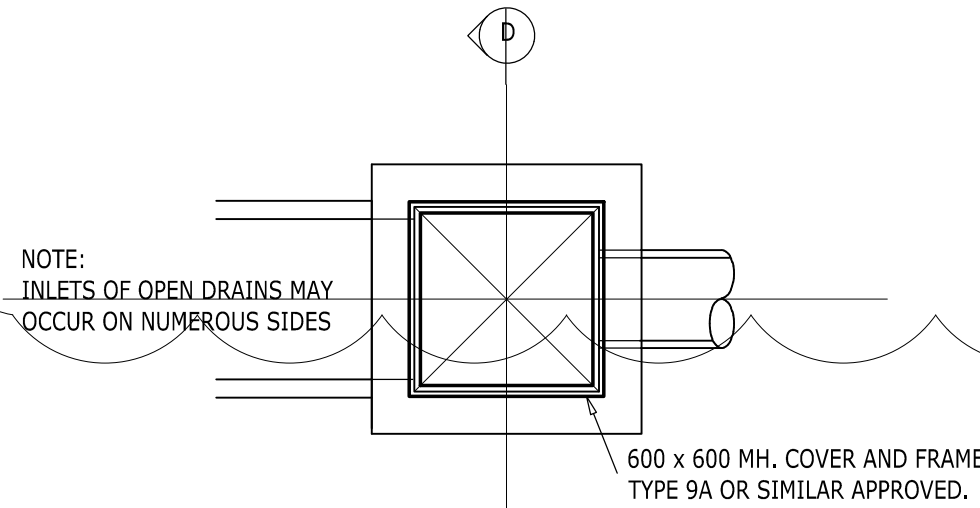
- GENERAL NOTES:**
- ALL DIMENSIONS AND LEVELS TO BE CHECKED ON SITE AND CORRELATED WITH ARCHITECTS DRAWINGS AND DETAILS BEFORE CONSTRUCTION COMMENCES AND ANY DISCREPANCIES ARE TO BE REPORTED IMMEDIATELY TO THE ARCHITECT AND ENGINEER.
- ALL WATERPROOFING DETAILS ARE TO BE IN ACCORDANCE WITH THE ARCHITECTS SPECIFICATIONS AND INSTRUCTIONS.
 - ALL DETAILS AND DIMENSIONS SHOWN ON THESE DRAWINGS ARE SUBJECT TO CONFIRMATION ON SITE AND DURING CONSTRUCTION.
 - ALL CONSTRUCTION METHODS AND MATERIALS USED ARE TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF SANS 10400, (I) SANS1200 A (1986): GENERAL, (II) SANS1200 AA (1986): SMALL WORKS, (III) SANS1200 D (1986): EARTHWORKS
 - IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT HE UNDERSTANDS AND COMPLIES WITH ALL RELEVANT ENGINEERING DRAWINGS AND SPECIFICATIONS AND IS ADEQUATELY EXPERIENCED TO UNDERTAKE ALL ASPECTS OF THE WORK SAFELY.
 - ALL DETAILS AND DIMENSIONS PERTAINING TO ANY EXISTING STRUCTURES ARE TO BE CONFIRMED ON SITE BY THE CONTRACTOR AND THE ENGINEER IS TO BE IMMEDIATELY INFORMED OF ANY UNEXPECTED ASPECTS PERTAINING TO THEM.
 - ALL PRODUCTS SPECIFIED FOR USE ARE TO BE USED STRICTLY ACCORDING TO MANUFACTURER'S INSTRUCTIONS AND SPECIFICATIONS AT ALL TIMES.
 - THE CONTRACTOR IS AT ALL TIMES TO BE FULLY RESPONSIBLE FOR QUALITY CONTROL ON SITE ENSURING STRICT COMPLIANCE WITH ALL DRAWINGS, DETAILS AND SPECIFICATIONS ISSUED FOR CONSTRUCTION BY THE PROFESSIONAL TEAM.
 - THE CONTRACTOR IS TO COMPLY AT ALL TIMES WITH ALL RELEVANT MUNICIPAL REGULATIONS AND BYLAWS IN THE AREA OF THE SITE AND IS TO ENSURE THAT HE HAS A SET OF APPROVED BUILDING PLANS ON SITE AT ALL TIMES.
 - SEALING COMPOUNDS FOR THE BUILDING & CONSTRUCTION INDUSTRY TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF SANS11077 (1984) SEALING COMPOUNDS FOR THE BUILDING AND CONSTRUCTION INDUSTRY, TWO COMPONENT, POLYURETHANE-BASE AND SIKAPRO ZHP UNIVERSAL ONE COMPONENT POLYURETHANE JOINT SEALANT OR SIMILAR APPROVED MAY BE USED ON ALL WALL JOINTS AND MUST BE APPLIED STRICTLY TO THE MANUFACTURER'S SPECIFICATIONS AND THE CORRECT BACKING CORD SHOULD BE USED WHERE NECESSARY.
 - THE CONTRACTOR SHALL PROVIDE RESULTS OF COMPACTION TESTING OF THE EARTHWORKS LAYERS FOR APPROVAL, IF REQUESTED BY THE ENGINEER, BEFORE CASTING SURFACE BEDS. A MINIMUM REQUIREMENT IS AT LEAST 100MM OF APPROVED HARD-CORE OR 300MM OF APPROVED GRANULAR FILL COMPACTED TO A MINIMUM OF 98% MOD. AASHTO.
 - NO DPC BELOW EXTERNAL SURFACE BEDS AND HARDSTANDS. TOP OF SURFACE BED LEVEL TO BE A MINIMUM OF 150MM ABOVE THE FINAL OUTSIDE LEVELS AS PER SANS10400.

- STORMWATER RETICULATION NOTES**
- THIS DRAWING TO BE READ IN WITH ARCHITECTS DRAWINGS.
 - NEW 450 Dia CLASS 34 uPVC STORMWATER PIPES PALCED AT 1.00 m MIN. FROM BUILDING
 - ALL STORMWATER PIPES UNDER THE BUILDING TO BE ENCASED IN MASS CONCRETE
 - ☒ ALL STORMWATER MANHOLES IN ROAD AREA TO HAVE HEAVY DUTY SLOTTED COVER, RE - RODDING EYE

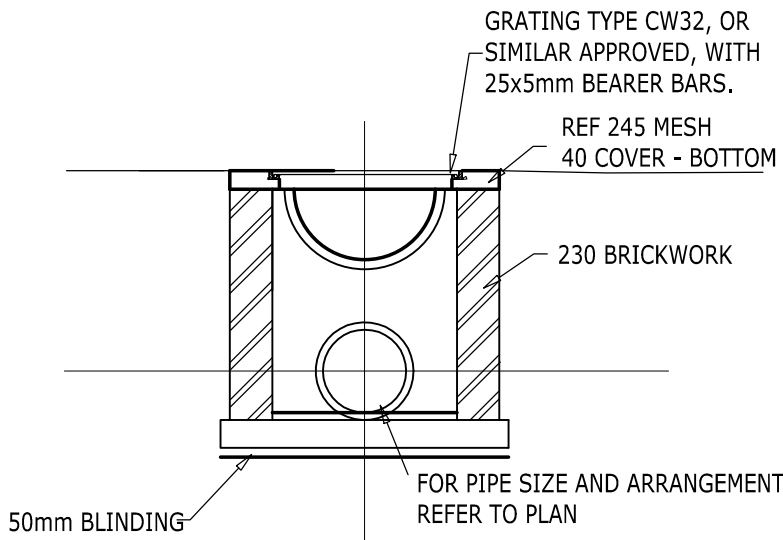
SITE PLAN WITH STORMWATER RETICULATION
SCALE 1 : 500



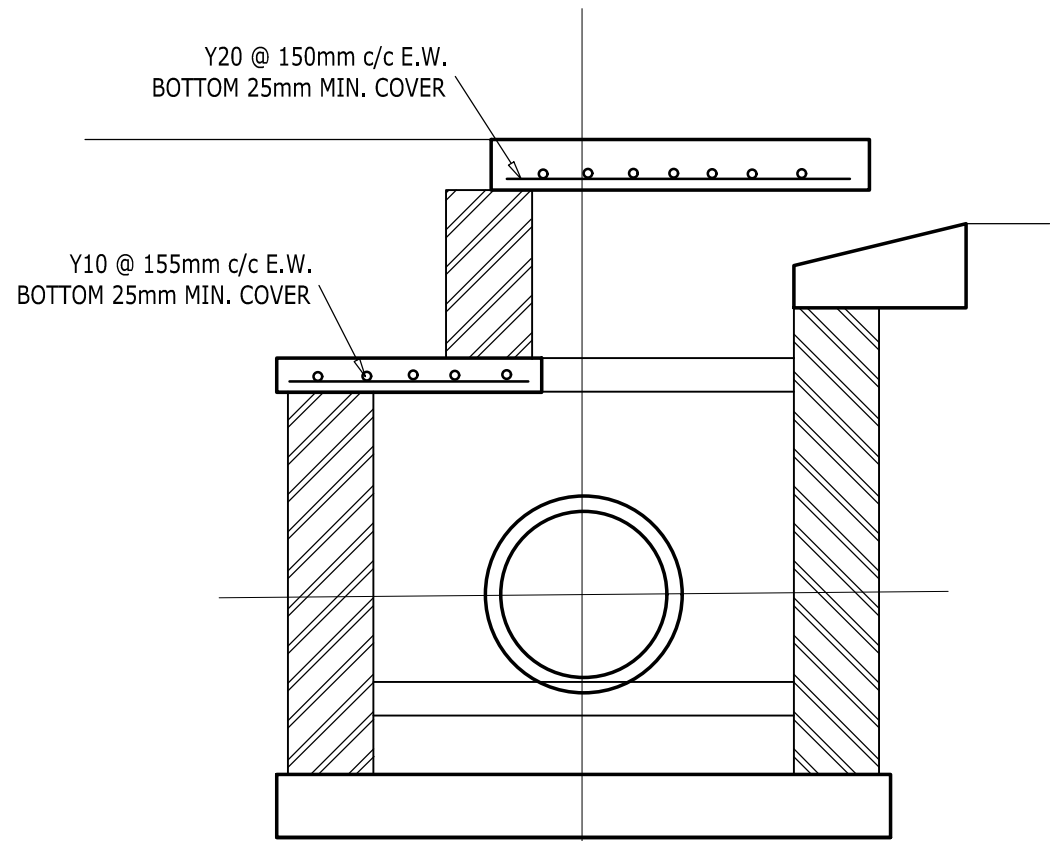
STORMWATER SURFACE DRAIN LAYOUT: SECTION DETAIL
SCALE 1:10



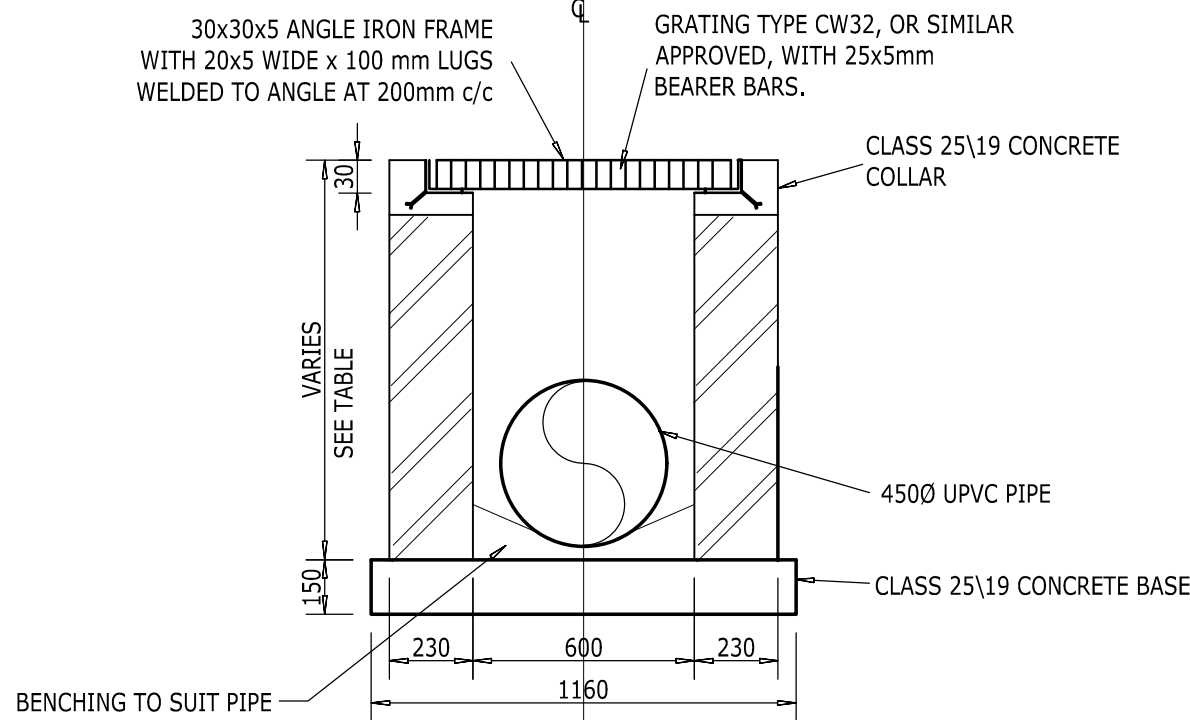
CATCH PIT AT SWMH11 LAYOUT: PLAN



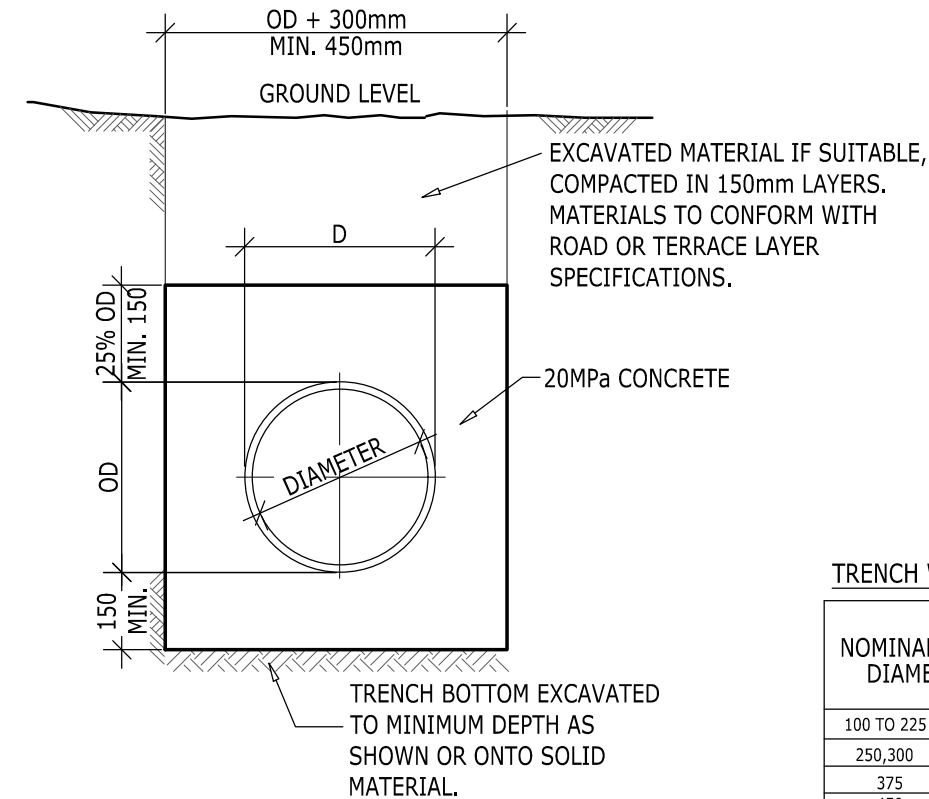
SECTION D - D: CATCH PIT AT SWMH11 LAYOUT



CONNECTION TO EXISTING MH AT ROAD SIDE FOR KERB DRAIN



S/W CATCHPIT LAYOUT: X-SECTION
Scale 1:20



CONCRETE PIPE ENCASEMENT ON SPECIFIED AREAS
NTS

TRENCH WIDTH	
NOMINAL PIPE DIAMETER	PLAIN ENDED PIPES
100 TO 325	600
250, 300	800
375	900
450	1000
525	1100
600	1100
675	1350
750	1450
825	1550
900	1650
1050	1800
1200	1950
1350	2200
1500	2400
1650	2600
1800	2800
1800	SEE PROJECT SPEC

READ THIS DRAWING IN CONJUNCTION WITH DWG B02.PZB.000084-10 AND B02.PZB.000084-11

ISSUED FOR CONSTRUCTION

NOTES:

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THE DUPLICATION OF THIS DRAWING IS STRICTLY PROHIBITED.

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SARS PIER 1 STATE WAREHOUSE
SITE PLAN WITH CIVILS LAYOUT

ISSUED FOR CONSTRUCTION

EXTERNAL WORKS:
STORMWATER SERVICES
RETICULATION LAYOUT

DESIGNED BY: S. JAMALI	SIGNATURE AND DATE:
DESIGN CHECKED BY: F. KAMBA	SIGNATURE AND DATE:
DRAWN BY: S. JAMALI	SIGNATURE AND DATE:
DRAWING CHECKED BY: F. KAMBA	SIGNATURE AND DATE:
ENGINEERS FINAL APPROVAL: F. KAMBA	SIGNATURE AND DATE:

PROJECT NUMBER: B02.PZB.000084	PAPER SIZE: A1
SHEET NUMBER: SHEET 1 OF 1	SCALE FACTORS: AS SHOWN

NO	DATE ISSUED	CHANGED	DESCRIPTION OF CHANGE	APPROVED
O	17.06.2016	SJ	ISSUED FOR CONSTRUCTION	FK
B	03.03.2017	SJ	SERVICES SPLIT FROM DWG-10	FK
C	03.06.2017	FK	ISSUED FOR DISCUSSION	FK
D	03.06.2017	FK	ISSUED FOR CONSTRUCTION	FK
E	22.06.2017	KG	SEWER LINE ADDED	FK
F	22.06.2017	FTK	DETAILS REVISED	FK

B02-PZB-000084-12 REV F