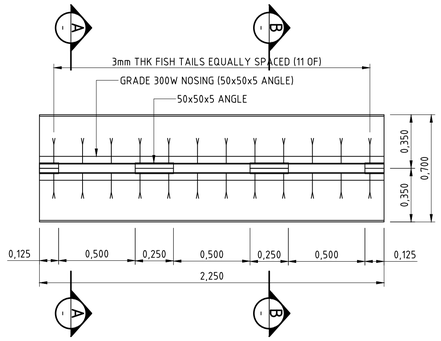
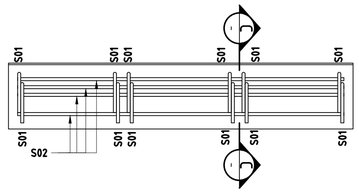
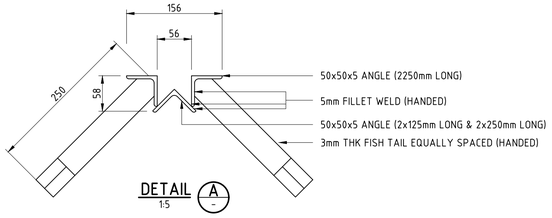
DO NOT SCALE - IF IN DOUBT, ASK



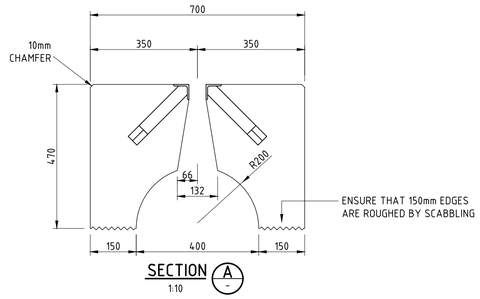
PLAN OF TOP PRECAST UNIT
1:20



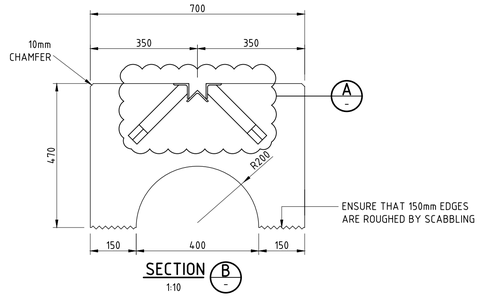
ELEVATION OF TOP PRECAST UNIT SHOWING REINFORCEMENT
1:20



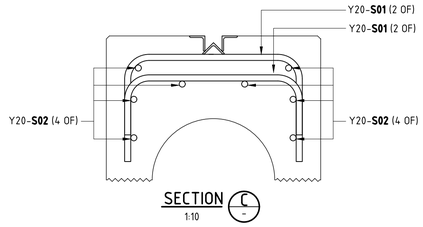
DETAIL A
1:5



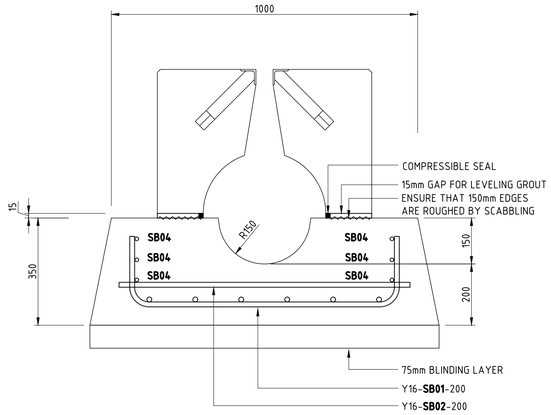
SECTION A
1:10



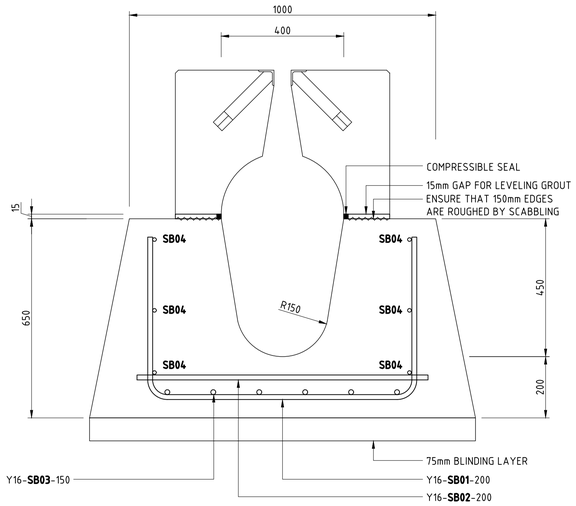
SECTION B
1:10



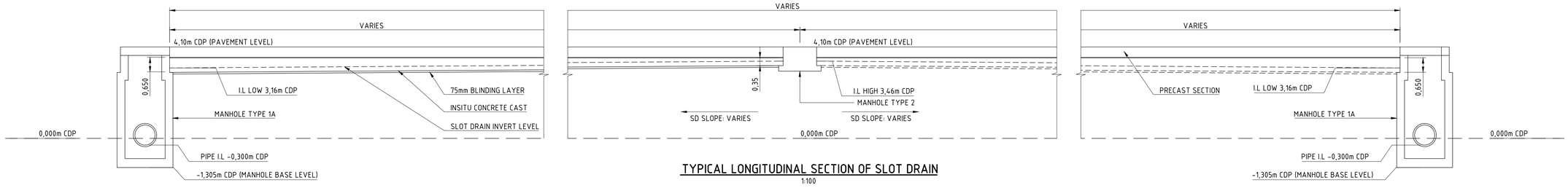
SECTION C
1:10



SECTION THROUGH HIGH POINT OF SLOT DRAIN
1:10



SECTION THROUGH LOW POINT OF SLOT DRAIN
1:10



TYPICAL LONGITUDINAL SECTION OF SLOT DRAIN
1:100

NOTES:

1. MATERIALS
   - 1.1. PRECAST UNIT CONCRETE 28 DAY STRENGTH = 40 MPa
   - 1.2. DRAIN CONCRETE 28 DAY STRENGTH = 40 MPa
   - 1.3. BLINDING LAYERS = 15 MPa
2. BENDING DIMENSIONS TO COMPLY WITH SANS 82
3. PRECAST UNITS ARE DESIGNED TO BE CAST UPSIDE DOWN
4. ALL STEEL TO BE 300W HOT DIP GALVANISED TO SANS 121 HEAVY DUTY
5. CONCRETE COVER OF 60mm MUST BE MAINTAINED UNLESS OTHERWISE SPECIFIED
6. STRIPPING AND LIFTING OF PRECAST UNITS TO BE DONE IN ACCORDANCE WITH THE WORKS INFORMATION
7. CONCRETE DRAIN TO BE CAST IN 4500mm UNITS.
8. TOP OF THE DRAIN BASE MUST BE CONSTRUCTED 445mm BELOW THE TOP LEVEL OF THE PRECAST UNIT. THIS IS TO ALLOW FOR 15mm HEIGHT OF GROUT BETWEEN THE BASE AND THE PRECAST UNIT BOTTOM.
9. AT THE END OF EACH SLOT DRAIN LENGTH THE SECOND TO LAST PRECAST UNIT AND CONCRETE DRAIN MUST BE CONSTRUCTED SUCH THAT THE REQUIRED LENGTH IS COMPLETED. THIS WILL INVOLVE EXTENDING THE SECOND TO LAST PRECAST UNIT BY THE DIFFERENCE REQUIRED.
10. ALL DRAIN INVERT LEVELS ALONG LINE A
    - 10.1. HIGH = 3.46m CDP
    - 10.2. LOW = 3.16m CDP
11. ALL DRAIN INVERT LEVELS ALONG LINE C
    - 11.1. HIGH = 3.20m CDP
    - 11.2. LOW = 2.90m CDP
12. SLOPE VARIES AND IS DEPENDANT ON DISTANCE BETWEEN MANHOLES

DRAWING NO.	REFERENCE
1785-CO-150-C-DWG-0003-01	STORM WATER PHASE 3
1785-CO-150-C-DWG-0002-01	STORM WATER PHASE 2
1785-CO-150-C-DWG-0001-01	STORM WATER PHASE 1
1785-CO-150-C-SCH-0004-01	SLOT DRAIN BENDING SCHEDULE

REFERENCE DRAWINGS

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PROJECT NO	DIS CODE	AREA	DISP	TYPE	DRG NO	SHEET	STATUS	REV
1785	CO	150	C	DWG	0004	01	T	0A

NO.	DESCRIPTION	BY	CHK'D	APP'D	DATE
0A	ISSUED FOR TENDER	DM	MC	JZ	2019.07.26

REVISIONS / ISSUE AUTHORIZATION

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EPCM CONSULTANT: TNPA				ORIGINATOR: ZAA			
TITLE	NAME	SIGNATURE	DATE	TITLE	NAME	SIGNATURE	DATE
LEAD DES. ENG.				DRAWN	DM		19 07 26
ENG. COORD.				CHECKED	MC/WvW		19 07 26
ENG. MANAGER				ENG. COORD.			
AREA MANAGER				DISCIP. ENG.			
PROJECT MGR.				ENG. MANAGER			
DIVISION				AREA MANAGER			
DIV. TITLE	NAME	SIGNATURE	DATE				
				PR.ENG. / PR.TECH.			
				NAME	J. ZIETSMAN		DATE
				SIGNATURE			19 07 26
				REG. NUMBER	760293		
				SCALE :	OR AS NOTED	A1	

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PORT OF DURBAN

DCT BERTHS 203 to 205 RECONSTRUCTION DEEPENING AND LENGTHENING

STORM WATER SLOT DRAIN TYPICAL DETAILS

PROJECT NUMBER	DV	FBS	DIS	TYPE	DRG. NO.	SHT.	REV.	ID
2122830	1	150	C	GA	1003	01	0A	DM