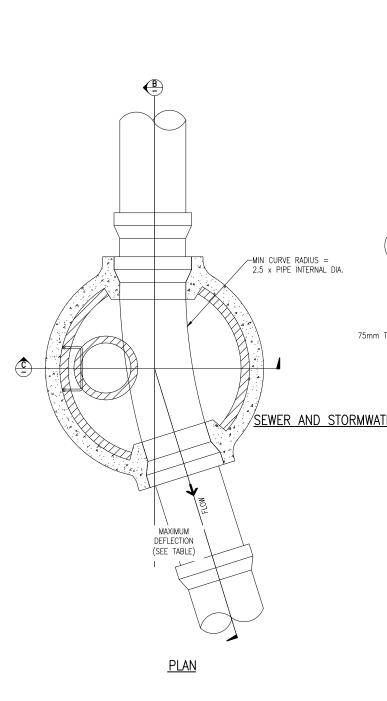


DETAIL 1A PLAN SEWER AND STORMWATER MANHOLE FOR < DN 375

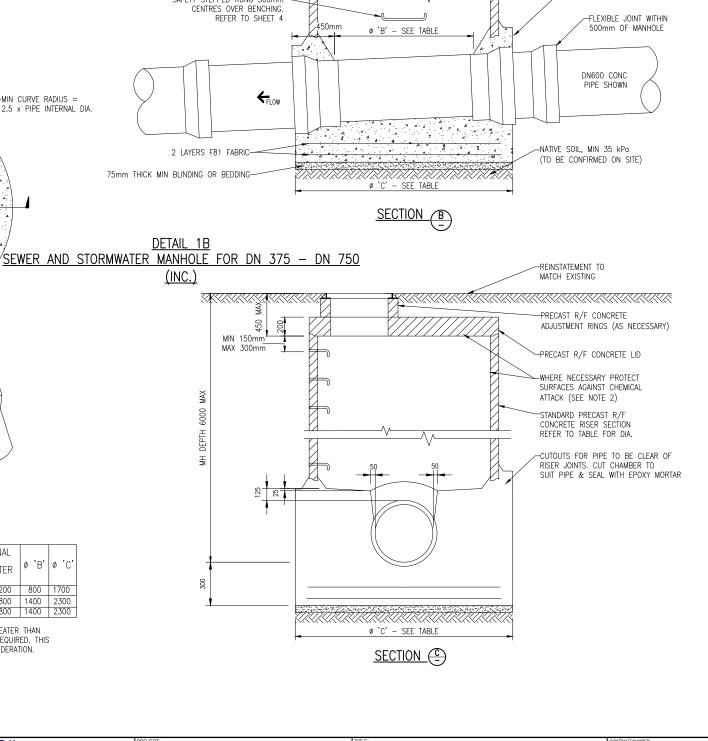
- ALL DIMENSIONS IN MILLIMETRES.
- ALL DIMENSIONS IN MILLIMETRES.
 INSIDE SURFACE OF MH AND UNDERSIDE OF ROOF TO HAVE EPOXY COATING, PVC LINING OR PE LINING TO TDC REQUIREMENTS WHERE DIRECTED BY THE ENGINEER.
 DESIGNER TO ENSURE NATIVE SOIL HAS ACCEPTABLE GROUND BEARING CAPACITY.
 REFER TO TDC CODE OF PRACTICE REGARDING FLOATATION/SINKAGE DESIGN CRITERIA.

ARTERIAL ROADS AND STATE HIGHWAYS USE URBAMAX F900 CLASS ROUND FRAME-NON VENTILATED. LOCAL ROADS USE SE MAESTRO CLASS D400.
ALL LIDS TO HAVE UTILITY NAME.



PIPE SIZE	MAXIMUM HORIZONTAL DEFLECTION AT CHAMBER*	NOMINAL MH DIAMETER	ø 'B'	ø 'C'
DN 375 TO 450	45°	DN 1200	800	1700
DN 500	45*	DN 1800	1400	2300
DN 750	40°	DN 1800	1400	2300

* SHOULD HORIZONTAL DEFLECTION BE GREATER THAN THE MAXIMUM, SPECIALISED DESIGN IS REQUIRED. THIS IS TO BE SUBMITTED TO TDC FOR CONSIDERATION.



-REINSTATEMENT TO

-PRECAST R/F CONCRETE ADJUSTMENT RINGS (AS NECESSARY)

> -CUTOUTS FOR PIPE TO BE CLEAR OF RISER JOINTS. CUT CHAMBER TO SUIT PIPE & SEAL WITH EPOXY MORTAR

-FLEXIBLE JOINT WITHIN

-PRECAST R/F CONCRETE LID

-WHERE NECESSARY PROTECT

SURFACES AGAINST CHEMICAL

ATTACK (SEE NOTE 2)

MATCH EXISTING





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MANHOLE FRAME & COVER TO BE FLUSH WITH-

FINISHED SURFACE (600mm CLEAR OPENING)

STANDARD PRECAST R/F-CONCRETE RISER SECTION

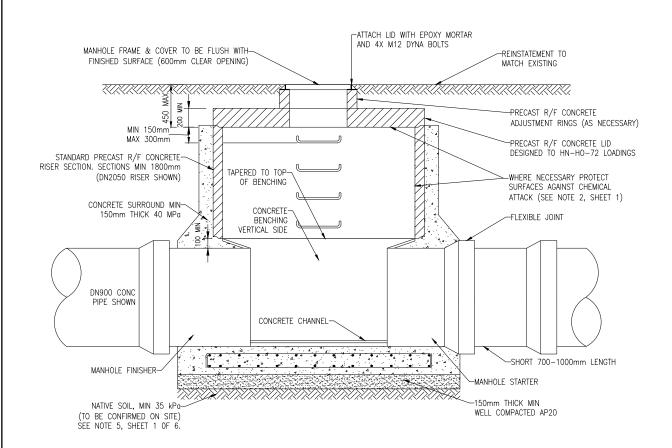
REFER TO TABLE FOR DIA.

SAFETY STEPPED RUNG 300mm

MIN 150mm

MAX 300mm

TYPICAL PRECAST CONCRETE MANHOLE DETAILS



NOTES:

- DRAWING BASED ON NZS 4404:2004. WHERE DRAWING DIFFERS FROM STANDARD THIS DRAWING TAKES PRECEDENCE
- DIMENSION IN MILLIMETRES.
- ALL STEEL FITTINGS (INCLUDING BOLTS) TO BE GRADE 316 STAINLESS STEEL
- DN1200 MH TO BE USED WHERE DROP PIPE > DN150 OR MORE THAN ONE DN150 INTERNAL DROP
- INTERNAL DROP ONLY TO BE USED WHEN DIRECTED BY ENGINEER.
 HAUNCHING OF INTERSECTION PIPES TO PROVIDE CURVED CHANNELS TO ENSURE STREAMLINED
- STANDARD PRECAST MANHOLE COMPONENTS TO BE USED UNLESS APPROVED OTHERWISE.

 NO INFILTRATION PERMITTED WATER OR AIR TEST MAY BE REQUIRED.

 DETAIL 1C ONLY DESIGNER TO CONFIRM NATIVE SOIL BEARING CAPACITY & ENSURE FOUNDATION
- IS SUITABLE TO SUPPORT MANHOLE.
 MANHOLE LID TYPE.

ARTERIAL ROADS AND STATE HIGHWAYS USE URBAMAX F900 CLASS ROUND FRAME-NON VENTILATED. LOCAL ROADS USE SE MAESTRO CLASS D400. ALL LIDS TO HAVE UTILITY NAME.

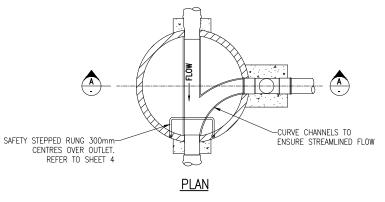
-REMOVE SECTION OF BENCH DETAIL 2B(a)

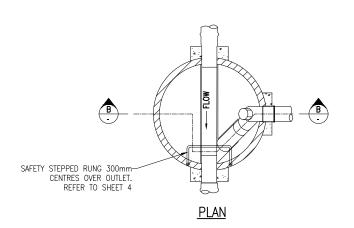
-90° BEND

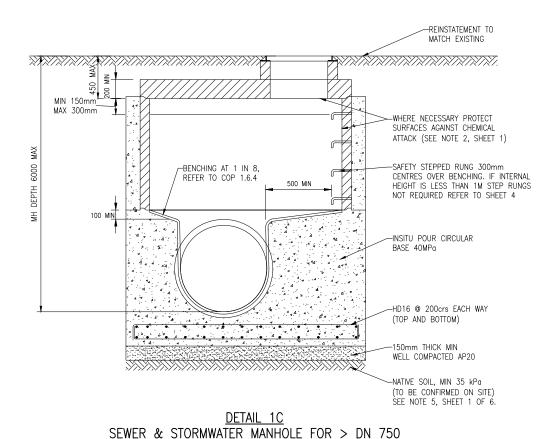
CONSTRUCT CONCRETE SIDEWALLS

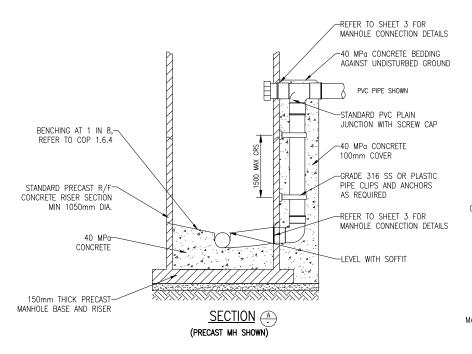
ON BENCHES TO SUIT

TYPICAL INTERNAL DROP MANHOLE - POST CONSTRUCTION INSTALLATION DETAIL (ONLY TO BE USED WHEN DIRECTED BY ENGINEER)









-REFER TO SHEET 3 FOR MANHOLE CONNECTION DETAILS PVC PIPE SHOWN STANDARD PVC PLAIN JUNCTION WITH SCREW CAP BENCHING AT 1 IN 8,-REFER TO COP 1.6.4 -GRADE 316 SS OR PLASTIC PIPE CLIPS AND ANCHORS STANDARD PRECAST R/F-CONCRETE RISER SECTION AS REQUIRED -90° BEND MIN 1050mm DIA. REFER TO DETAIL 2B(a) FOR CONFIGURATION IN AN EXISTING MANHOLE CONCRETE -BENCHING TO SUIT 150mm THICK PRECAST MANHOLE BASE AND RISER SECTION (B) (PRECAST MH SHOWN)

DETAIL 2A TYPICAL EXTERNAL DROP MANHOLE SUITABLE FOR INSITU AND PRECAST MH (ONLY TO BE USED WHEN DIRECTED BY ENGINEER)

DETAIL 2B TYPICAL INTERNAL DROP MANHOLE SUITABLE FOR IN-SITU AND PRECAST MH (ONLY TO BE USED WHEN DIRECTED BY ENGINEER)

L	CHANGES TO SPECS FOR MANHOLE DETAIL	MT		8/24	SURVEY FILE:		INITIAL	DATE		NAME	DATE	ORIGINAL SCALE (A1): AS SHOWN	
K	SHEET ADDED WITH SOAK PIT DETAIL	MT		7/24	DATA SOURCE:	WATER			SURVEYED	-		REDUCED 7 CO CITO VITA	
J	STORMWATER SOAKAGE PIT UPDATE	WC	GC	3/24	DATA GOORGE.	DRAINAGE			DESIGNED	GS		SCALE (A3):	
_	SUMP/CATCH PIT UPDATE & PAGE 9 REINSTATED	WC		7/21	LEVEL DATUM	ROADING			DESIGN CHECK			PRODUCED BY: T	
Н	TYPICAL POSTION OF POLE VENT DETAIL AND SHEET 9 SS	MCB		1/20		PARKS					2/16	EOP:	
G	CHANGES TO DETAIL 3B - ENGINEERS APPROVAL ADDED	WC		4/19		ELEC.PWR			DRAWN	WC	2/16	D & W	
F	CHANGES TO CORBEL DETAIL	WC		2/16		TELECOM			DRG CHECK	GC	2/16	THIS DOCUMENT IS THE PROPERTY OF THE TIMARU DISTRICT COUNCIL. IT IS NOT TO BE REPRODUCED WITHOUT THE	

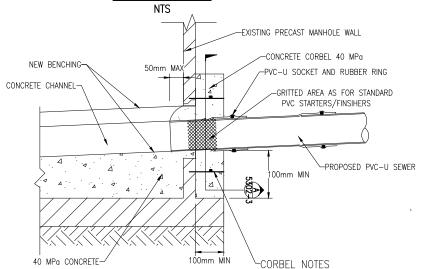
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DRAINAGE AND WATER CODE OF PRACTICE STANDARD DETAILS

TYPICAL PRECAST CONCRETE MANHOLE **DETAILS & DROP STRUCTURES**

DETAIL 3A PVC-U SEWER MAIN CONNECTION INTO CONCRETE MANHOLE – UP TO DN300



PVC-U SOCKET METHOD * SEE TABLE BELOW

PIPE-

50mm COVER ON STEEL REINFORCING-

D10 STARTERS AND D10 CAGE FOR ALL MANHOLES AND CONNECTORS

STARTERS TO BE CHEMSET INTO MANHOLE WALL

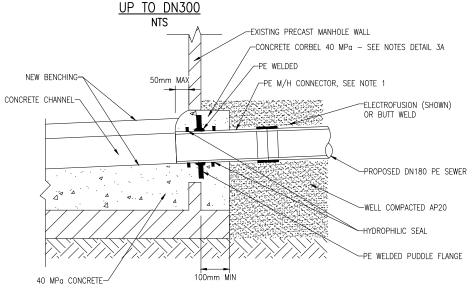
50MM OVERLAP OF STEEL CAGE

100mm MIN

DETAIL A TYPICAL CORBEL DETAIL

- 50MM COVER ON ALL STEEL REINFORCING
- HOLE TO BE CORE DRILLED OR CUT 50mm MAX OVER SIZE OF
- HUMES BOND SEAL AROUND GRITTED STARTER BETWEEN WALL AND

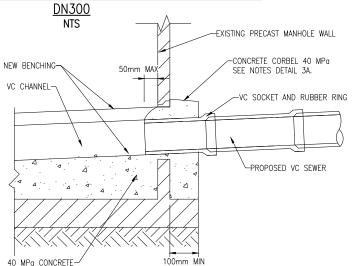
DETAIL 3B RESTRAINED PE SEWER MAIN CONNECTION INTO CONCRETE MANHOLE-

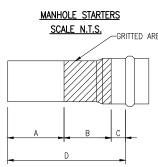


DETAIL 3B NOTES:

1. PE M/H CONNECTOR TO BE FABRICATED OFF-SITE.

DETAIL 3C VC SEWER MAIN CONNECTION INTO CONCRETE MANHOLE- UP TO





PIPE DN	A*	В	С	D
100	144	150	50	344
150	129	150	50	329
175	113	150	50	313
225	95	150	50	295
300	82	150	50	282

В

200

200

200

200

200

С

150

150

150

150

150

* SEE NOTE 3

Α*

130

130

100

130

170

PIPE

DN

100

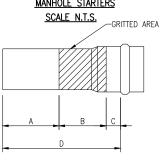
150

175

225

300

* SEE NOTE 3



IPE DN	A*	В	С	D	
00	144	150	50	344	FOR STRAIGHT THROUGH, 90° AND
50	129	150	50	329	CIRCULAR MANHOLES
75	113	150	50	313	
25	95	150	50	295	

D

430

430

450

480

520

FOR	AN	GLE
MAN	HOL	.ES

PIPE DN	E	F	G*	Н
100	110	250	230	590
150	120	250	230	600
175	140	250	260	650
225	120	250	280	700
300	150	250	310	770

* SEE NOTE 3

GRITTED AREA TABLES

MANHOLE FINISHERS SCALE N.T.S.	GRITTED AREA
G F	E

PIPE DN	E	F	G*	н
100	80	150	265	495
150	80	150	268	498
175	80	150	272	502
225	80	150	276	506
300	80	150	290	520

^{*} SEE NOTE 3

PIPE DN	E	F	G*	Н
100	110	250	230	590
150	120	250	230	600
175	140	250	260	650
225	120	250	280	700
300	150	250	310	770

GRITTED AREA NOTES

- 1. PIPE SIZES EXCEEDING DN300 -
- SEE ENGINEER FOR APPROVED DETAIL
 2. PVC-U SOCKETS WITH GRITTED AREAS ARE TO BE PURCHASED FROM AN APPROVED SUPPLIER. GRITTED AREAS ARE
- NOT TO BE MADE ONSITE.

 3. DIMENSIONS A & G MAY BE CUT TO SUIT WITH WRITTEN APPROVAL

L	CHANGES TO SPECS FOR MANHOLE DETAIL	MT			8/24	SURVEY FILE:		INITIAL	DATE		NAME	DATE	ORIGINAL NOT TO SCALE	
K	SHEET ADDED WITH SOAK PIT DETAIL	MT			7/24	DATA SOURCE:	WATER			SURVEYED	-		REDUCED TO CONTELL	
J	STORMWATER SOAKAGE PIT UPDATE	WC	GC		3/24		DRAINAGE			DESIGNED	GS		SCALE (A3):	
I	SUMP/CATCH PIT UPDATE & PAGE 9 REINSTATED	WC			7/21	LEVEL DATUM	ROADING			DESIGN CHECK		2/10	PRODUCED BY: LTU	
Н	TYPICAL POSTION OF POLE VENT DETAIL AND SHEET 9 SS	мсв			1/20		PARKS					2/10		
G	CHANGES TO DETAIL 3B - ENGINEERS APPROVAL ADDED	WC			4/19		ELEC.PWR			DRAWN	WC	2/16	D & W	
F	CHANGES TO CORBEL DETAIL	WC			2/16		TELECOM			DRG CHECK	GC	2/16	THIS DOCUMENT IS THE PROPERTY OF THE TIMARU DISTRICT COUNCIL. IT IS NOT TO BE REPRODUCED WITHOUT THE	
u.	DEVISION	DV	CHI	ADD	DATE		DI ANNING			APPROVED	GH	2/16	PERMISSION OF THE TIMARU DISTRICT COUNCIL	



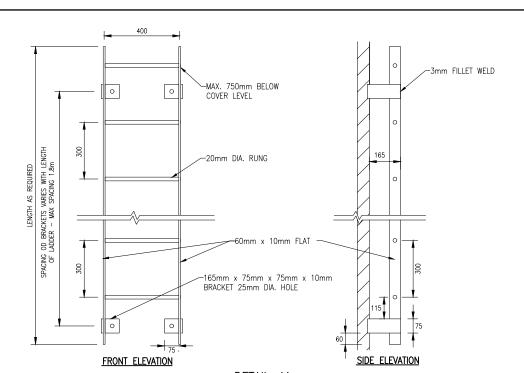
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DRAINAGE AND WATER CODE OF PRACTICE STANDARD DETAILS

ACCESS REFURBISHMENT & CONNECTION DETAILS TO **CONCRETE MANHOLE**

5302

DO NOT SCALE - IF IN DOUBT ASK



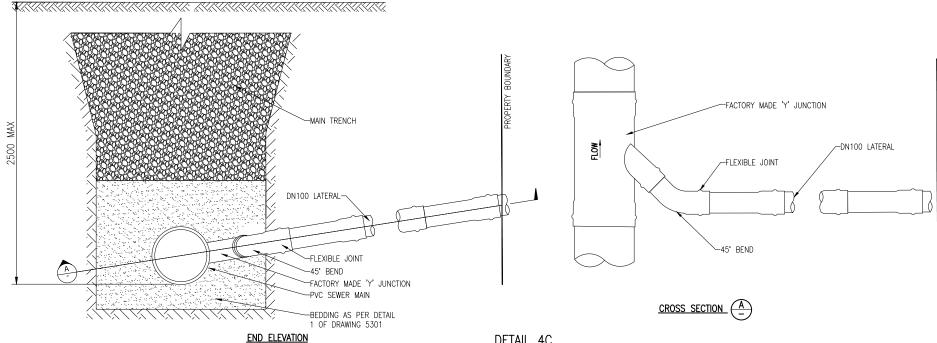
DETAIL 4A MANHOLE LADDER SCALE 1:10

NOTE:

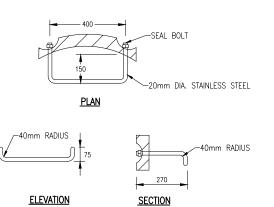
1. MANHOLE LADDER TO BE USED WHERE MANHOLE

EXCEEDS 3m IN DEPTH.

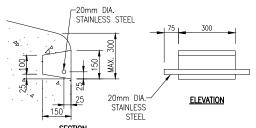
2. MANHOLE LADDERS TO BE 316 STAINLESS STEEL



DETAIL 4C STANDARD CONNECTION FOR SEWER AND STORMWATER WITH A DEPTH TO INVERT < 2.50m SCALE 1:10



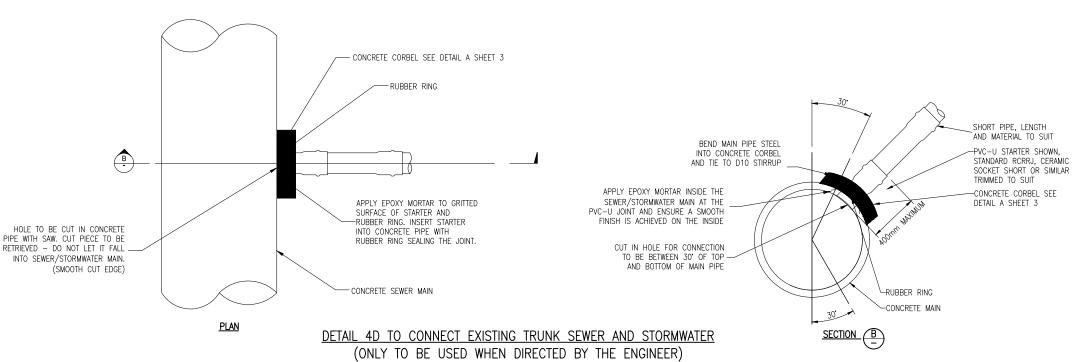
DETAILS OF STEPPED RUNG



RECESSED STEP DETAILS

DETAIL 4B MANHOLE STEPS SCALE 1:10

1. STEP RUNGS TO BE 316 STAINLESS STEEL OR AN APPROVED ALTERNATIVE



NOTES:

- DRAWING BASED ON NZS 4404:2004. WHERE DRAWING DIFFERS FROM STANDARD THIS DRAWING TAKES PRECEDENCE
 MINIMUM LATERAL GRADIENT 1:80. MAXIMUM GRADIENT DESIRABLE 1:1.
 STEEPER GRADIENT WILL BE PERMITTED TO MAINTAIN BUILDING AREA. PIPE
- TO BE SUPPORTED BY NATURAL GROUND WHERE POSSIBLE.

 3. ALL LATERALS (FROM THE SEWER MAIN OR MANHOLES) TO BE FITTED WITH AN INSPECTION PIPE AT THE PROPERTY BOUNDARY.

- DN1050 SEWER MAIN AND DN300 CONNECTION SHOWN THE DEFINITION OF A TRUNK SEWER IS DETAILED IN THE TDC COP SECTION 1, CLAUSE 1.3
- AS SHOWN SHEET ADDED WITH SOAK PIT DETAIL DESIGNED VEL DATUM LTU D&W
 CHANGES TO DETAIL 3B - ENGINEERS APPROVAL ADDED
 WC

 CHANGES TO CORBEL DETAIL
 WC

 REVISION
 BY
 CHK



DRAINAGE AND WATER 2 King George Place P.O. Box 522 CODE OF PRACTICE Telephone: 03 687 7200 STANDARD DETAILS

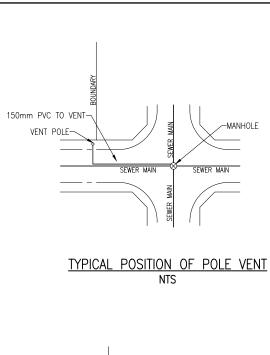
SCALE 1:20

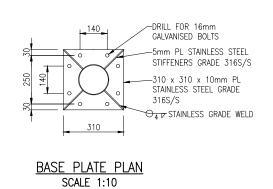
MANHOLE LADDER, STEP RUNG & LATERAL CONNECTIONS

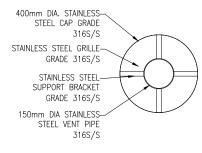
5302

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NOTE: TOP OF RAMP RISER TO BE CLEARLY IDENTIFIED ON AS-BUILT PLANS INSPECTION PIPE-MAIN TRENCH-(REQUIRED ON ALL LATERALS) 52 ₩ W W W FACTORY MADE 'Y' JUNCTION -DN100 LATERAL MIN FALL 1:80 INSPECTION PIPE-(REQUIRED ON ALL LATERALS) -FLEXIBLE JOINT Y' JUNCTION WITH SEALED CAP -FLEXIBLE JOINT -45° BEND 'Y' JUNCTION WITH--45° BEND SEALED CAP FACTORY MADE 'Y' JUNCTION -PVC-U SEWER MAIN DETAIL 5A
RAMPED RISER CONNECTION FOR SEWERS WITH A DEPTH TO INVERT > 2.50m BEDDING AS PER DETAIL CROSS SECTION (A SCALE 1:10 1 OF DRAWING 5301 END ELEVATION FRESH AIR INLET-RISER PIPE -300x260 POLYETHYYLENE VALVE BOX (HEAVY DUTY) AND PRECAST CONCRETE FRAME METER BOX FITTED WITH A BLACK OR RED LID XXXXXX -SEALING CAP WITH HANDLE -SEALED SCREW CAP (BAYONET SCREW OR RR ROLL FIT) -COMPACTED SELECTED FILL MINIMUM DISTANCE ONE METER -150mm SURROUND -DN100 LATERAL 100mm DIAMETER MINIMUM -INSPECTION PIPE 110 DIAMETER UPVC PIPE-POINT OF DISCHARGE-45° BEND 45° BEND (100mm DIAMETER MINIMUM SIZE) JUNCTION -FROM CUSTOMERS PREMISES PUBLIC SEWER LATERAL--SITE CONCRETE MAINTENANCE ACCESS POINT TO BE INSTALLED ON THE PRIVATE SEWER DRAIN PRIOR TO THE BOUNDARY
WHERE A BUCHAN TRAP IS INSTALLED THE ACCESS POINT IS TO INSTALLED AFTER THE BUCHAN AND PRIOR TO THE BOUNDARY
WHERE THE ACCESS POINT IS LOCATED INSIDE A BUILDING THE COVER SHALL BE SEALED AT FLOOR LEVEL **ELEVATION** COMPACTED GRANULAR BEDING MAINTENANCE ACCESS POINT DETAIL 5B DISTRICT WIDE **CLEANING EYE** N.T.S THIS IS A REQUIREMENT FOR CONNECTION AND DISCHARGE TO COUNCILS SEWER NETWORK INFRASTRUCTURE AS PER TDC BY LAW CHAPTER 15 OTHER METHODS OF BUCHAN INSTALLATION MAY BE USED PROVIDED A SCALE 1:10 BOUNDARY TRAP / BUCHAN TRAP WATER SEAL CAN BE ACHIEVED
WHERE A BUCHAN TRAP IS TO INSTALLED IN A BUILDING THE FAI ACCESS PRIVATE ASSET TIMARU ONLY POINT IS TO BE SEALED USING A SCREW CAP AND THE FAI DIRECTED N.T.S **EXTERNALLY** I M A R U TIMARU DISTRICT COUNCIL AS SHOWN SHEET ADDED WITH SOAK PIT DETAIL DRAINAGE AND WATER SERVICE LATERAL / CLEANING 2 King George Place P.O. Box 522 DESIGNED EVEL DATUM LTU 5302 CODE OF PRACTICE EYE / RAMPED RISER D&W CHANGES TO DETAIL 3B - ENGINEERS APPROVAL ADDED WC
CHANGES TO CORBEL DETAIL WC
REVISION BY CH Telephone: 03 687 7200 STANDARD DETAILS Te Kaunihera ā-Rohe o Te Tihi o Maru Website: www.timaru.govt.nz





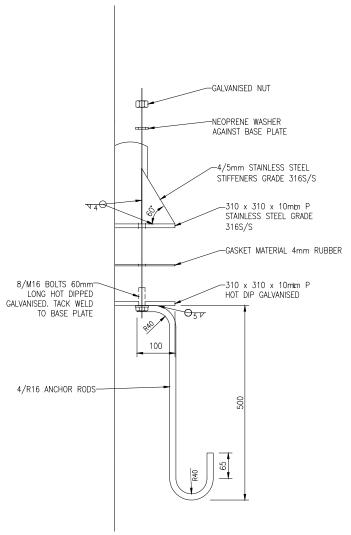


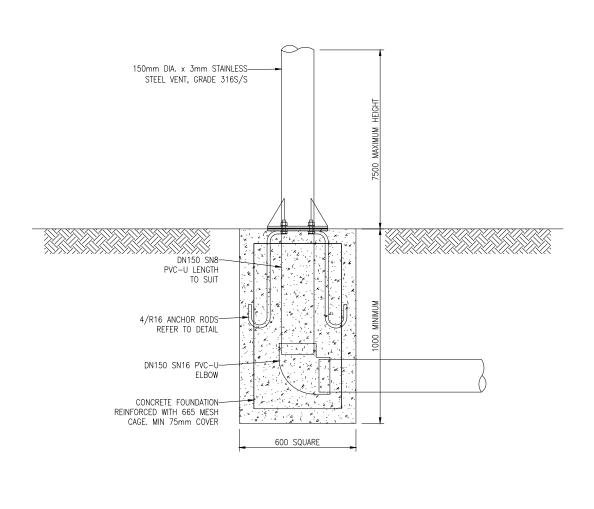
400mm DIA. STAINLESS-STEEL DOMED CAP GRADE

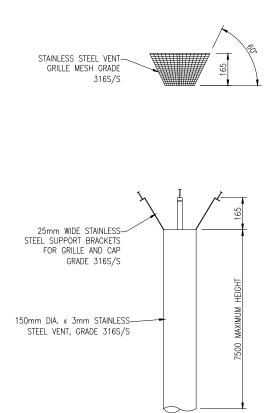
316S/S

PLAN SCALE 1:10

310 GRILLE







ANCHOR ROD DETAIL SCALE 1:5

BASE AND POST DETAIL SCALE 1:10

POST AND CAP DETAIL SCALE 1:10

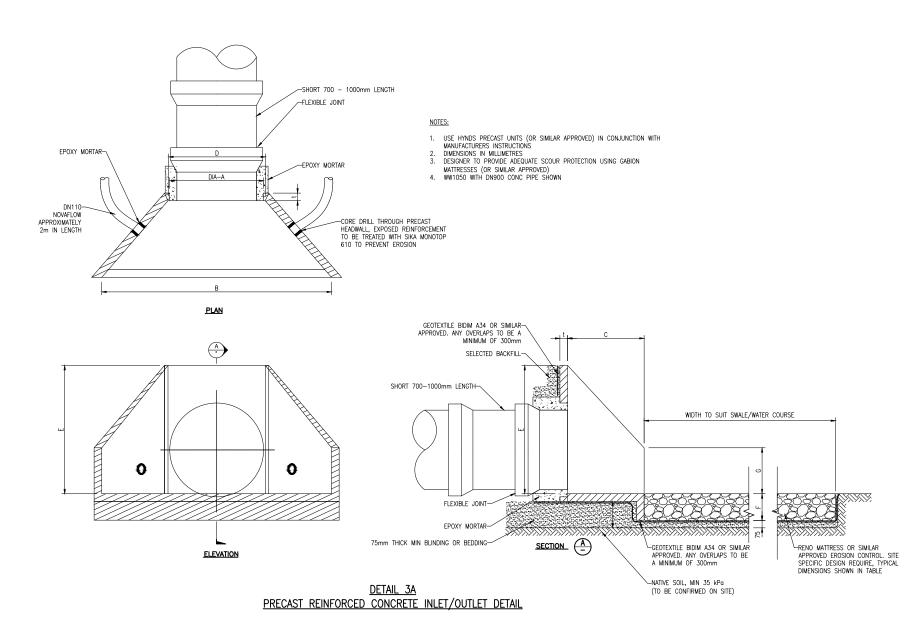
Г	L CHANGES TO SPECS FOR MANHOLE DETAIL	MT			8/24	SURVEY FILE:		INITIAL	DATE		NAME		ORIGINAL SCALE (A1): AS SHOWN
П	K SHEET ADDED WITH SOAK PIT DETAIL	MT			7/24	DATA SOURCE:	WATER			SURVEYED	-	-	REDUCED 7 CO CT TO VVII
Г	J STORMWATER SOAKAGE PIT UPDATE	WC	GC		3/24	DATA GOUNCE.	DRAINAGE			DESIGNED	GS	2/16	SCALE (A3):
Г	I SUMP/CATCH PIT UPDATE & PAGE 9 REINSTATED	WC			7/21	LEVEL DATUM	ROADING			DESIGN CHECK	-		PRODUCED BY: LTU
П	H TYPICAL POSTION OF POLE VENT DETAIL AND SHEET 9 SS	MCB			1/20		PARKS						
Г	G CHANGES TO DETAIL 3B - ENGINEERS APPROVAL ADDED	WC			4/19		ELEC.PWR			DRAWN	WC	2/16	D & W
Г	F CHANGES TO CORBEL DETAIL	WC			2/16		TELECOM			DRG CHECK	GC	2/16	THIS DOCUMENT IS THE PROPERTY OF THE TIMARU DISTRICT COUNCIL. IT IS NOT TO BE REPRODUCED WITHOUT THE
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DRAINAGE AND WATER CODE OF PRACTICE STANDARD DETAILS

POLE VENT DETAILS



PRODUCT CODE	NOMINAL PIPE DIAMETER	WINGWALL TYPE	А	В	С	D	E	F	G	t	WEIGHT
WW0300	100 to 300	STANDARD	190/390	1000	600	460	520	200	160	60	205kg
WW0600	300 to 675	STANDARD	390/790	2150	745	810	1000	250	390	90	755kg
WW0600L	300 to 600	LONG THROAT	370/700	1950	1100	750	900	280	500	80	925kg
WW1050	600 to 1050	STANDARD	720/1225	3000	1000	1270	1675	345	600	100	1800kg
WW1350	1200 to 1350	STANDARD	1380/1540	4100	2400	1600	1975	425	750	125	5610kg
WW1800	1600 to 1800	STANDARD	1727/2040	4900	2400	2150	2265	450	750	135	7700kg
	2050 and above	SPECIAL									

STANDARD RENO MATTRESS SIZES										
LENGTH	WIDTH	HEIGHT								
6000	2000	170								
6000	2000	230								
6000	2000	300								

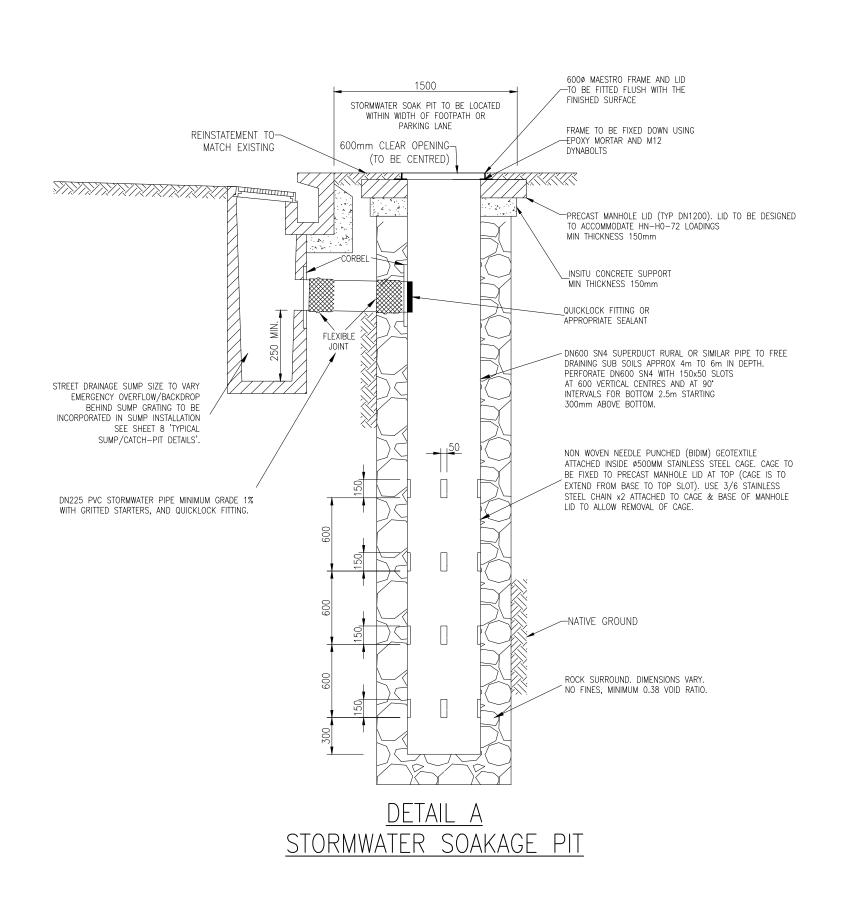
Γ	L CHANGES TO SPECS FOR MANHOLE DETAIL	MT			8/24	SURVEY FILE:		INITIAL	DATE		NAME	DATE	ORIGINAL SCALE (A1): 1:20
I	K SHEET ADDED WITH SOAK PIT DETAIL	MT			7/24	DATA SOURCE:	WATER			SURVEYED		-	
Γ	J STORMWATER SOAKAGE PIT UPDATE	WC	GC		3/24	BATA GOGREE.	DRAINAGE			DESIGNED	GS	2/16	REDUCED SCALE (A3): 1:40
Ī	I SUMP/CATCH PIT UPDATE & PAGE 9 REINSTATED	WC			7/21	LEVEL DATUM	ROADING			DESIGN CHECK	-		PRODUCED BY: LTU
ľ	H TYPICAL POSTION OF POLE VENT DETAIL AND SHEET 9 SS	MCB			1/20	1	PARKS					2/16	
ľ	G CHANGES TO DETAIL 3B - ENGINEERS APPROVAL ADDED	WC			4/19		ELEC.PWR			DRAWN	WC	2/16	D & W
I	F CHANGES TO CORBEL DETAIL	WC			2/16	l	TELECOM			DRG CHECK	GC	2/16	THIS DOCUMENT IS THE PROPERTY OF THE TIMARU DISTRICT COUNCIL. IT IS NOT TO BE REPRODUCED WITHOUT THE
I	No. REVISION	BY	СНК	APP.	DATE	i	PLANNING			APPROVED	GH	2/16	PERMISSION OF THE TIMARU DISTRICT COUNCIL

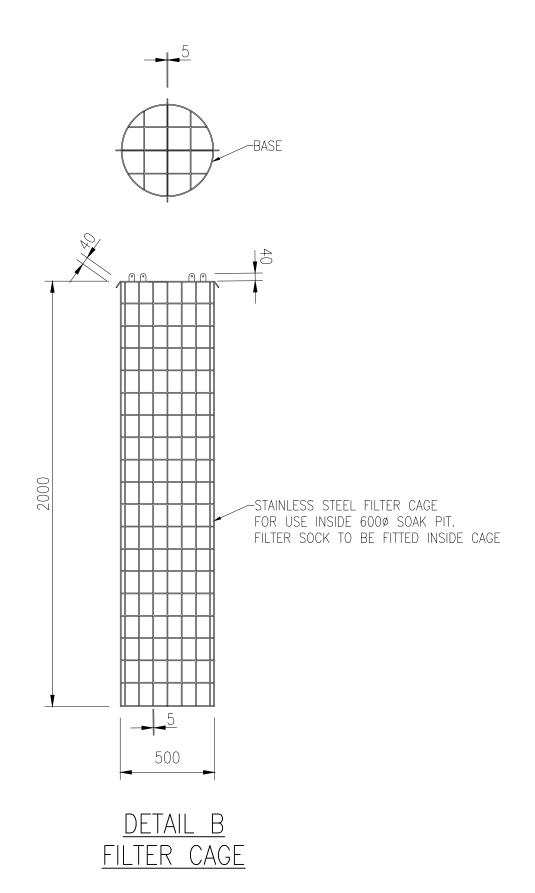


DRAINAGE AND WATER
P.O. Box 522
Timaru 7940
Telephone: 03 687 7200
Website: www.timaru.covt.nz.
STANDARD DETAILS

INLET / OUTLET DETAILS

1774CT NUMBER: 1774CT





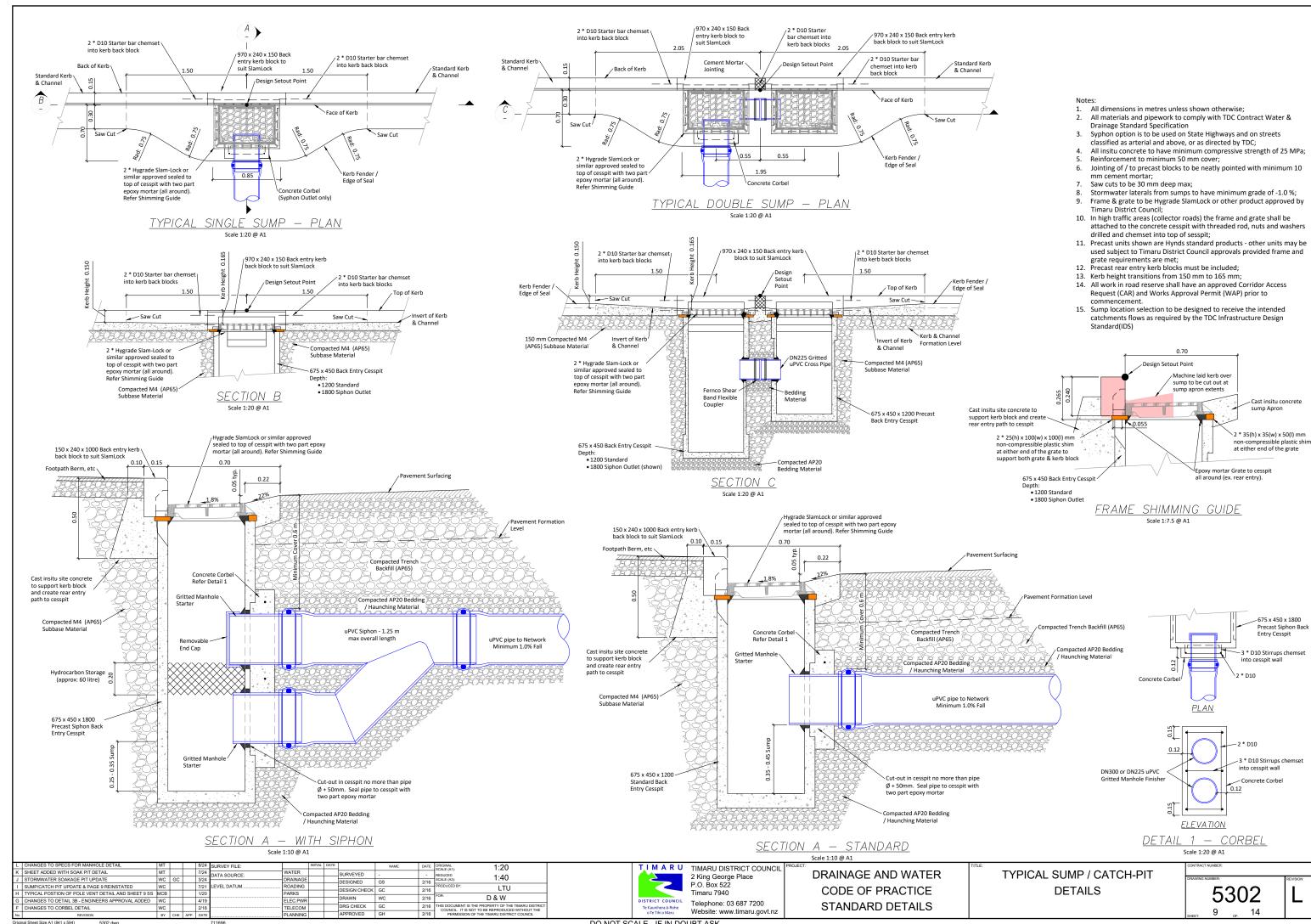


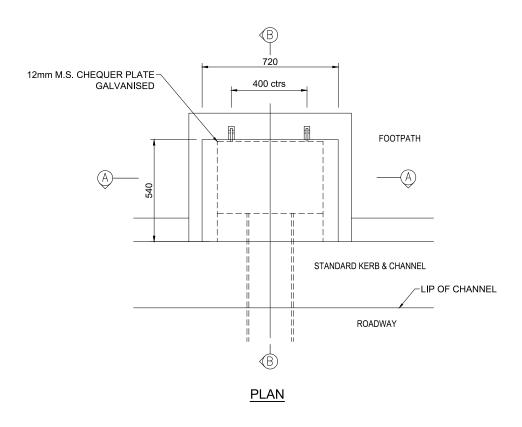


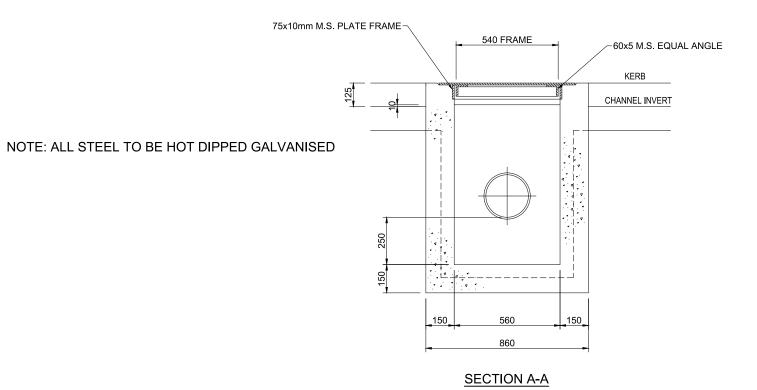
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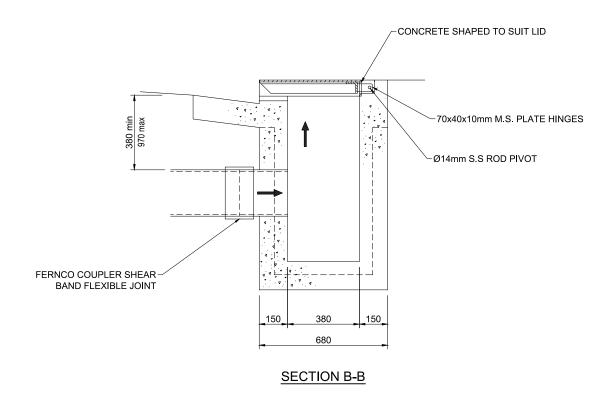
DRAINAGE AND WATER CODE OF PRACTICE STANDARD DETAILS

SOAKAGE PIT AND FILTER CAGE DETAILS





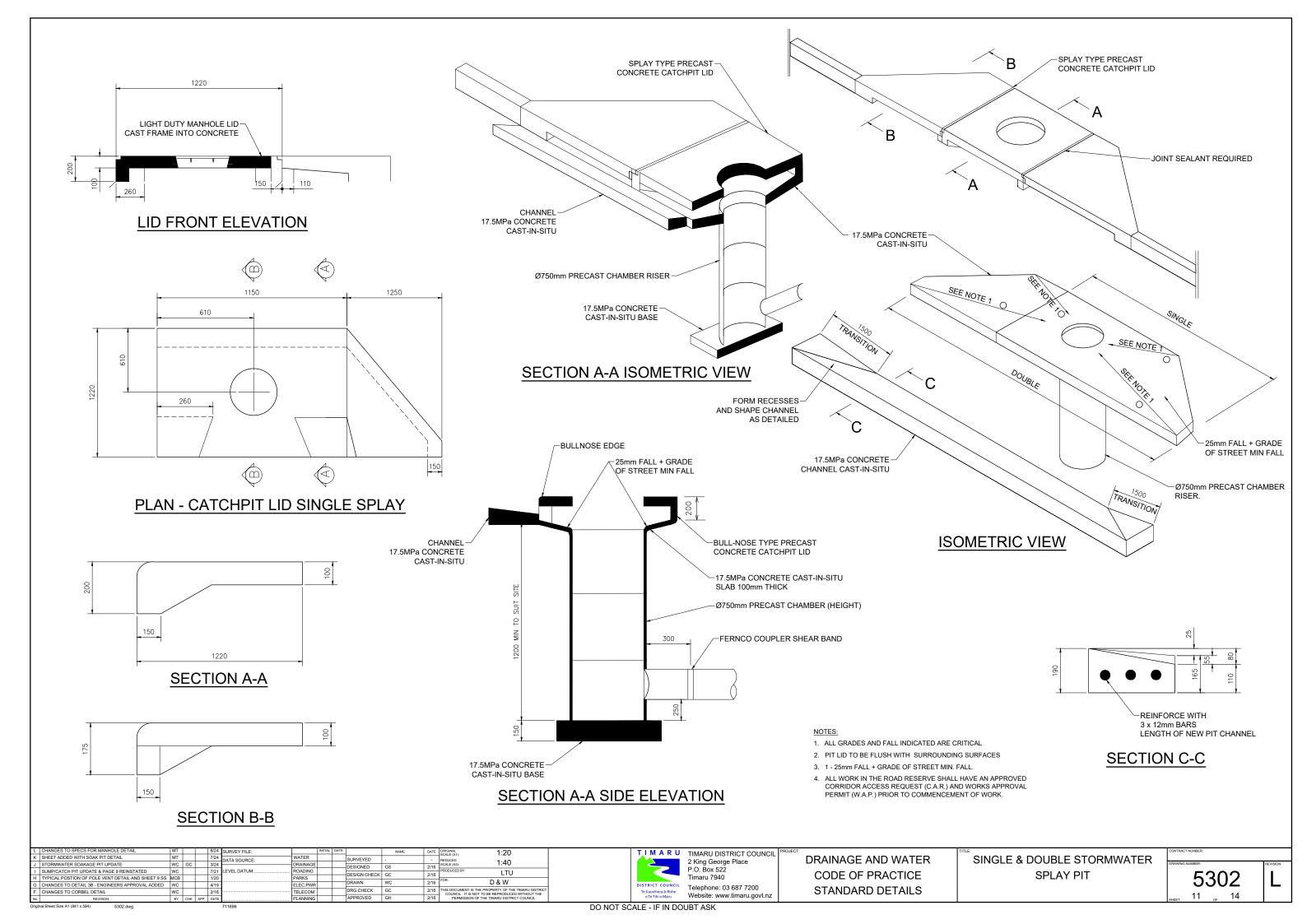


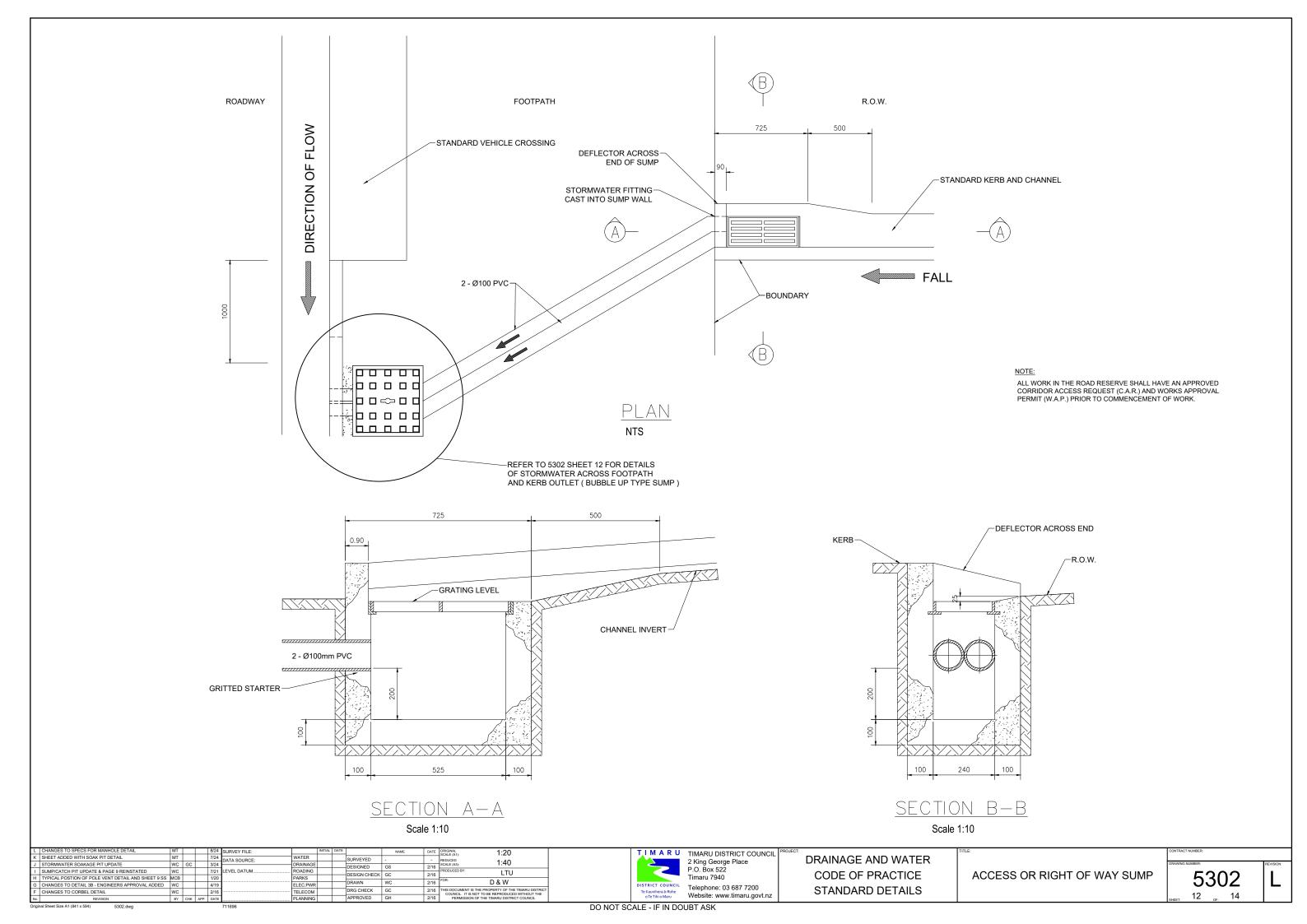


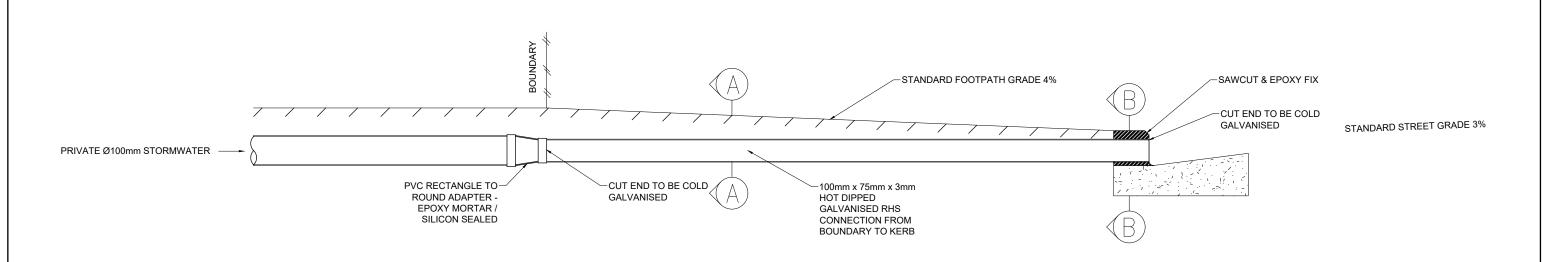
TIMARU DISTRICT COUNCIL
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DRAINAGE AND WATER CODE OF PRACTICE STANDARD DETAILS DRAINAGE SYPHON KERB EXIT DETAILS

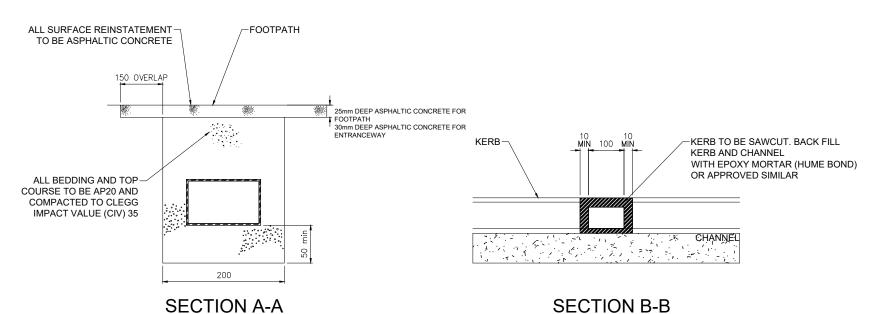
DRAWING NUMBER: 5302 L







$\underbrace{\text{TYPICAL STORMWATER ACROSS FOOTPATH}}_{\text{N.T.S.}}$



1 VEHICLE ACCESSWAY PRIVATE PROPERTY BOUNDARY ---FOOTPATH--GRASS BERM-KERB & CHANNEL width varies ROADWAY ---

PLAN OF CROSSING DETAIL

- The prefered solution one complete section of Galvanised Steel Pipe from Boundary to Kerb and Channel.
 Acceptable solution using PVC 45°BEND/JOINER IF OPTION 1 IS NOT ACHIEVABLE.
- 3. 45° PVC BEND CAN BE USED TO NEGOTIATE OBSTACLES IN THE FOOTPATH.
- IT IS PREFERRED THAT ADAPTER AND CHANGE OF DIRECTIONS ARE COMPLETED OUTSIDE THE FOOTPATH BOUNDARY.
- ALL JOINTS ARE TO BE BUTT JOINTED.
- ALL JOINTS TO BE SEALED USING SILICONE SEALANT

NOTES:

- ALL WORK IN THE ROAD RESERVE SHALL HAVE AN APPROVED CORRIDOR ACCESS REQUEST (C.A.R.) AND WORKS APPROVAL
- STORMWATER OUTLETS ARE TO BE PLACED AT LEAST 0.2m FROM THE WING OF VEHICLE CROSSING
- OPTION 1 IS THE PREFERRED INSTALLATION OPTION

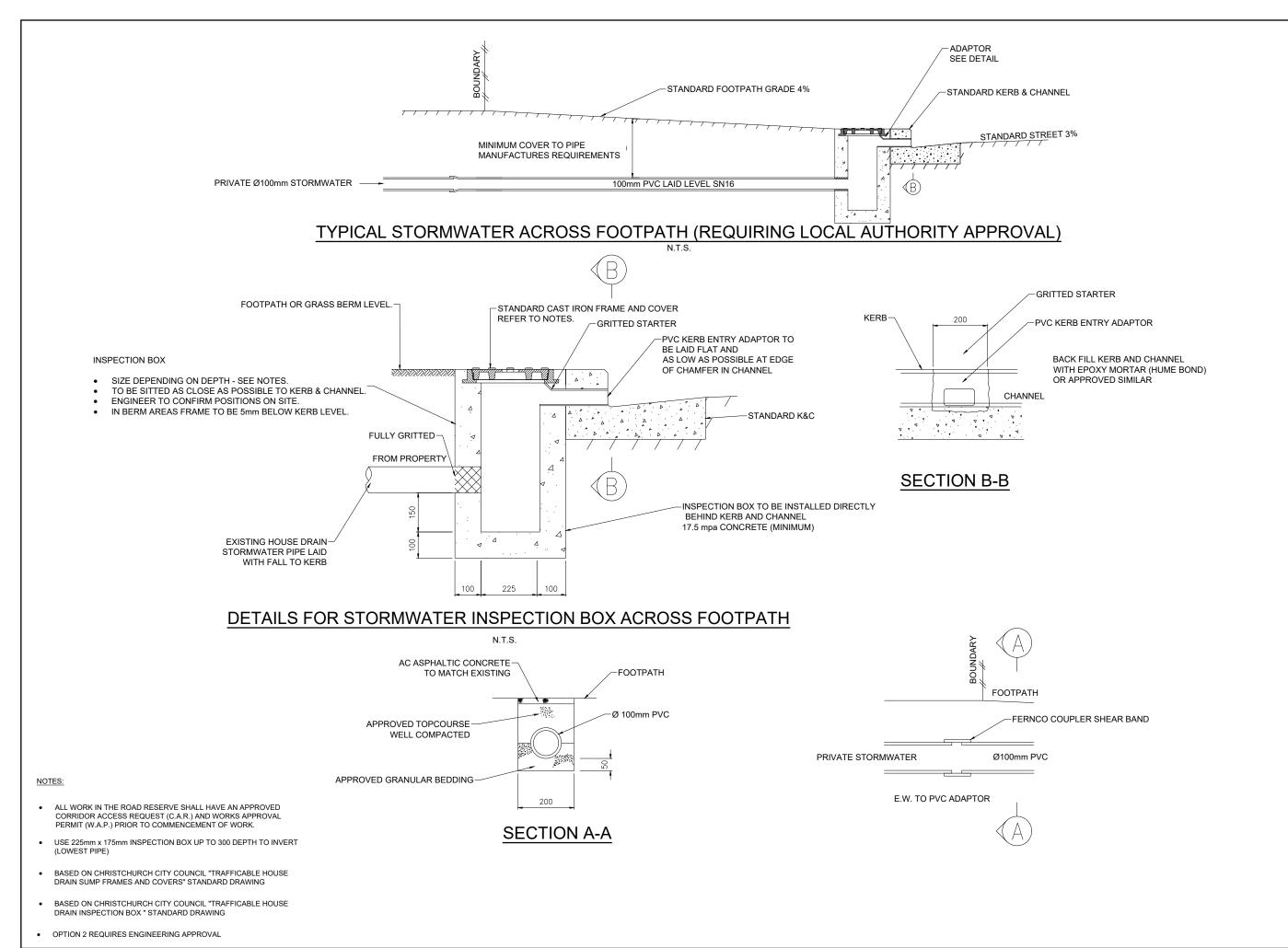
JOINT DETAIL

L	CHANGES TO SPECS FOR MANHOLE DETAIL	MT			8/24	SURVEY FILE:		INITIAL	DATE		NAME		ORIGINAL 1:20	
K	SHEET ADDED WITH SOAK PIT DETAIL	MT			7/24	DATA SOURCE:	WATER			SURVEYED				
J	STORMWATER SOAKAGE PIT UPDATE	WC	GC		3/24	DATA GOORGE.	DRAINAGE			DESIGNED	GS		REDUCED SCALE (A3): 1:40	
L	SUMP/CATCH PIT UPDATE & PAGE 9 REINSTATED	WC			7/21	LEVEL DATUM	ROADING						PRODUCED BY: LTU	
Н	TYPICAL POSTION OF POLE VENT DETAIL AND SHEET 9 SS	мсв			1/20		PARKS			DESIGN CHECK		2/16		
G	CHANGES TO DETAIL 3B - ENGINEERS APPROVAL ADDED	WC			4/19		ELEC.PWR			DRAWN	WC	2/16	D & W	
F	CHANGES TO CORBEL DETAIL	WC			2/16		TELECOM			DRG CHECK	GC	2/16	THIS DOCUMENT IS THE PROPERTY OF THE TIMARU DISTRICT COUNCIL. IT IS NOT TO BE REPRODUCED WITHOUT THE	
No.	REVISION	BY	CHK	APP.	DATE		PLANNING			APPROVED	GH	2/16	PERMISSION OF THE TIMARU DISTRICT COUNCIL	



DRAINAGE AND WATER CODE OF PRACTICE STANDARD DETAILS

PIPED STORMWATER FOOTPATH **CROSSING DETAIL OPTION 1**



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DRAINAGE AND WATER
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STANDARD DETAILS

PIPED STORMWATER FOOTPATH CROSSING DETAILS OPTION 2 DRAWING NUMBER 5302 | L