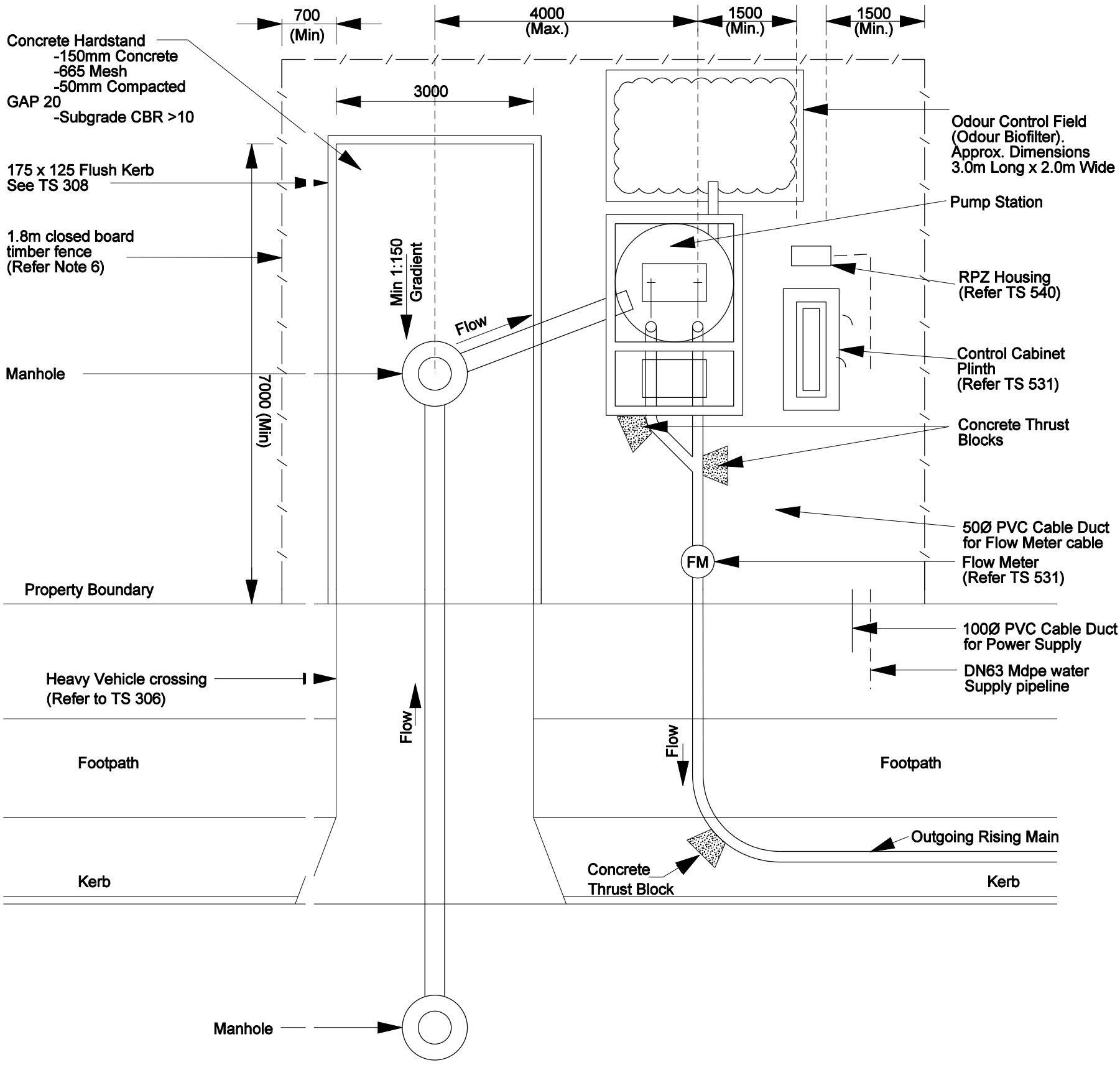


NOTES

1. The detail on this drawing is typical only.
2. Pump Station offset is measured from the driveway centreline to the centreline of the furthest pump.
3. Area around pump station shall be graded to prevent surface water flowing onto or over pump station cover slabs.
4. Landscaping may be required dependent upon site location and area available.
5. Full fencing is not required if the pump station is located within a reserve and bollards may be used of a design approved by HCC. Otherwise if pump station is located next to residential property, a 1.8m high close boarded timber fence is to be constructed.

Hamilton City Council
Te kaunihera o Kirikiriroa

Development Manual

Works & Services Group
City Waters Unit

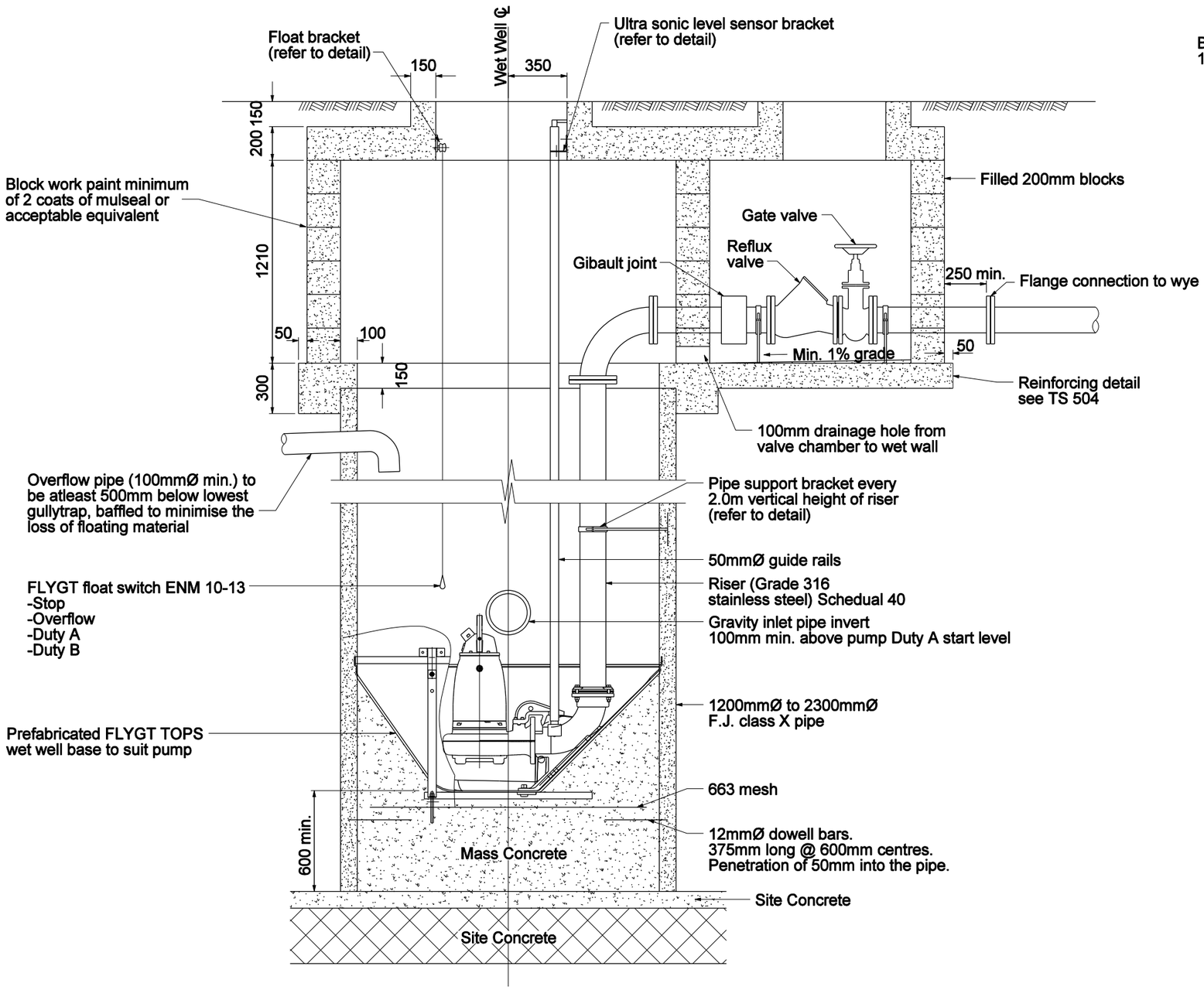
SPS SITE PLAN LAYOUT

Approved by: City Waters Manager

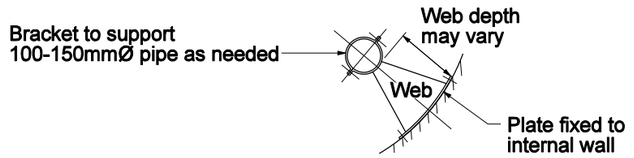
TS 501

Version: October 2010

Path g:\hccmap\standards\tech spec\drainage\dwgs.dgn

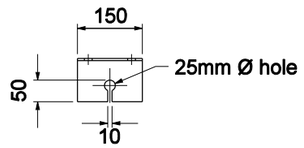


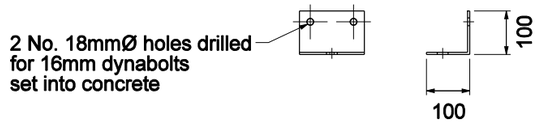
SECTIONAL ELEVATION



PIPE SUPPORT BRACKET DETAIL

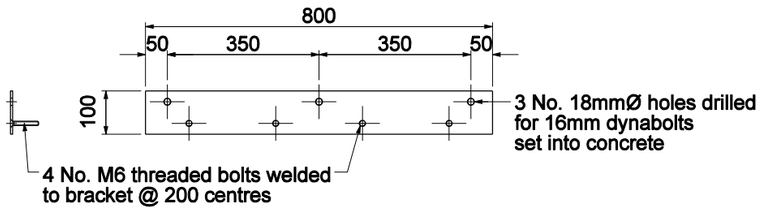
Construct from 5mm stainless steel





ULTRASONIC SENSOR BRACKET DETAIL

Construct from 100 x 100 x 6mm E.A. 316 stainless steel

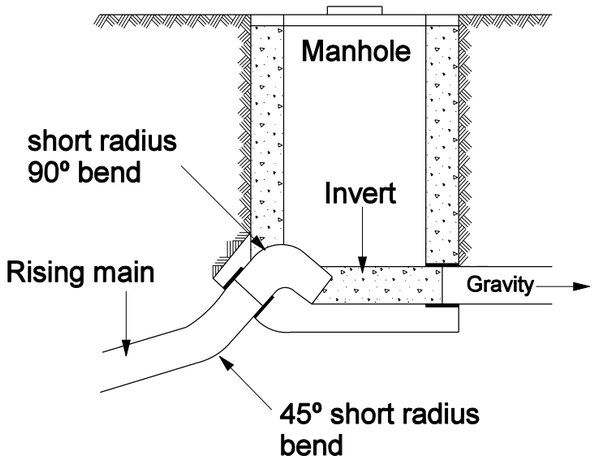


FLOAT BRACKET DETAIL

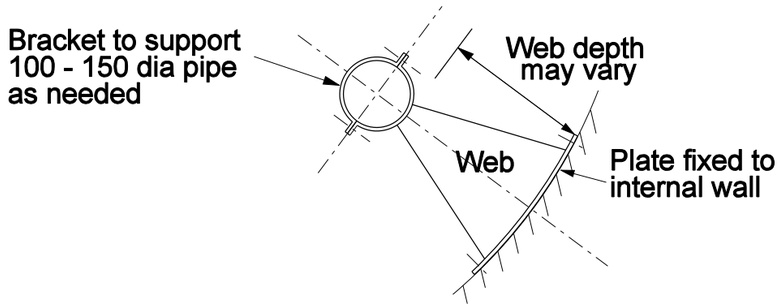
Construct from 5mm stainless steel

NOTES:

1. Valve chambersized to suit valves. Prior approval of dimensions by HCC Engineer required.
2. Refer to drawing TS 504 for steel reinforcing details.

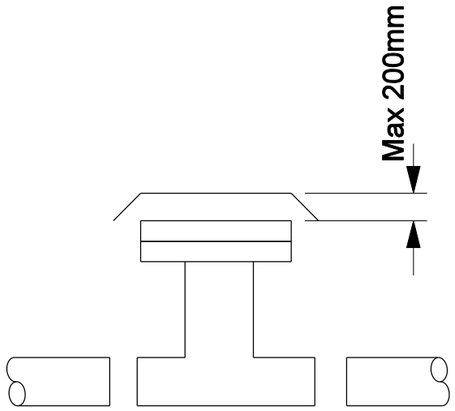


ENTRY INTO RECEIVING MANHOLE



BRACKET DETAIL

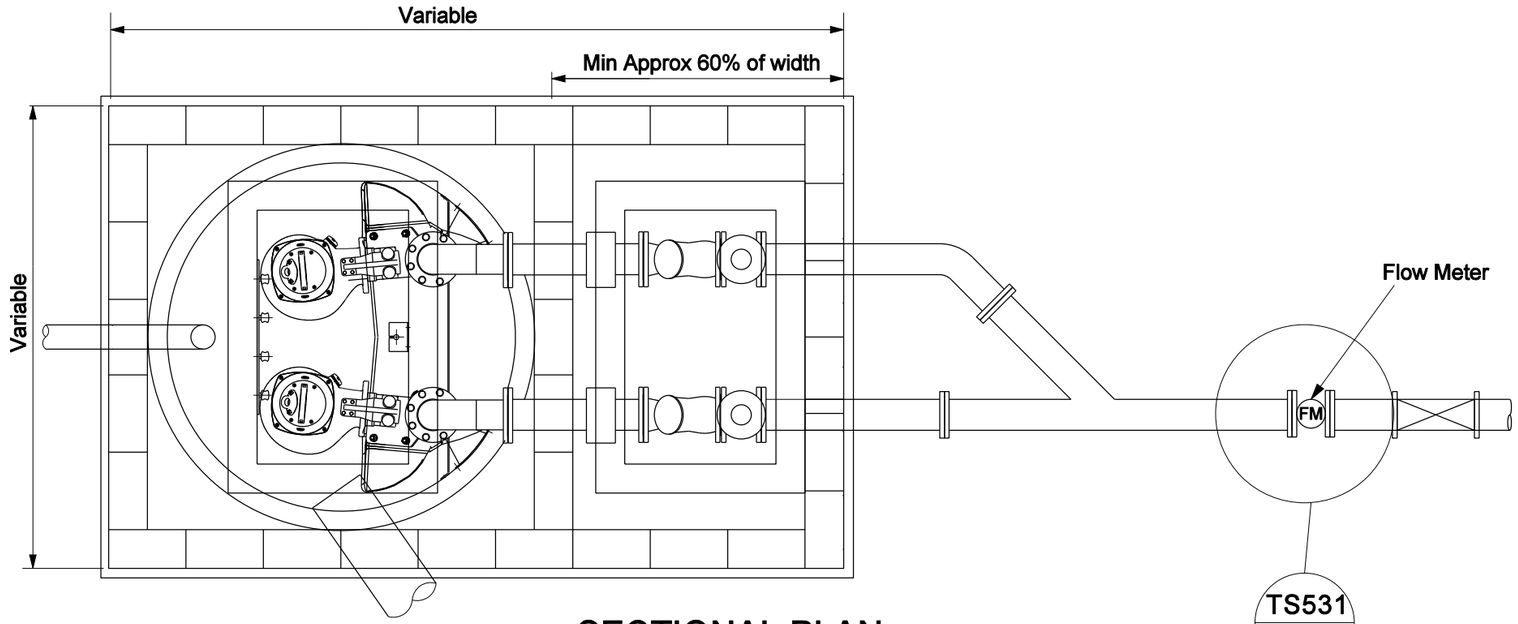
Construct from 5 mm stainless steel.



Vertical Equal Tee
with branch flanged
and blank plate

EMERGENCY DISCHARGE MANHOLE DETAIL

Emergency Discharge
Manhole 1050 Ø (See Detail)
Only on pump stations with
flow over 20l/s after flow meter



SECTIONAL PLAN

NOTES:

1. Plans shall include a site plan showing all relevant information, including overflow, rising main, services, cabinet location, and hose point.
2. Control cabinet is to be constructed as shown on Plan TS 530.
3. Covers to openings refer plan TS 520, 521,522.
4. Refer to Pump Specifications in the Development Manual for other relevant information.

Hamilton City Council
Te kaunihera o Kirikiriroa

Development Manual

Works & Services Group
City Waters Unit

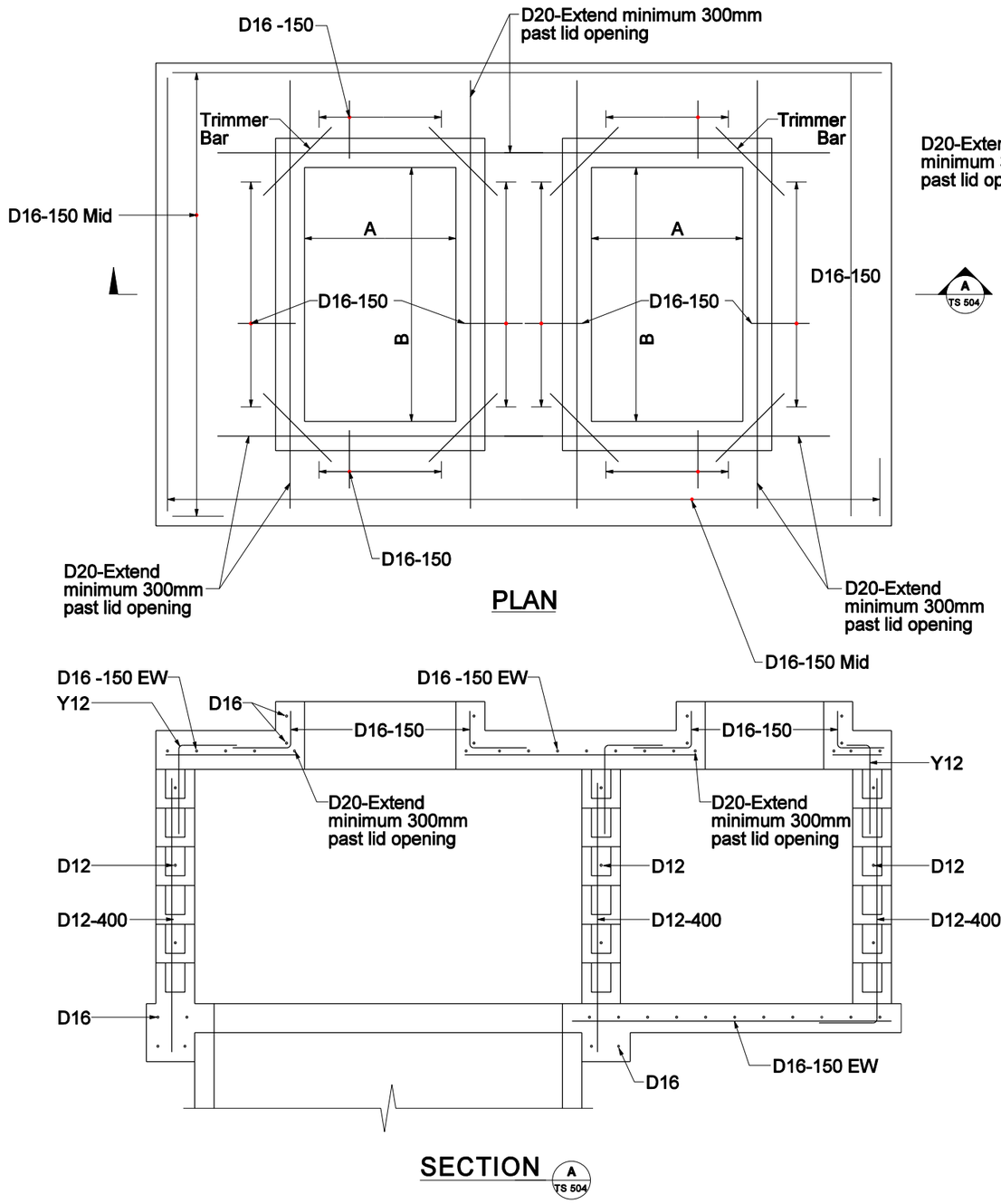
STANDARD WASTEWATER PUMPING STATION FOR FLYGT 3120, 3127 AND 3085 PUMPS

Approved by: City Waters Manager

TS 503

Version: October 2010

Path g:\hccmap\standards\tech spec\



LID OPENING DIMENSIONS		
PUMP TYPE	DIMENSIONS (mm)	
	A	B
3085 & 3102	900	1400
3127 & 3153	980	1600
3171	1100	1600

NOTES:

1. Minimum lap length 300mm for all steel

Hamilton City Council
Te kaunihera o Kirikiriroa

Approved by: City Waters Manager

Development Manual

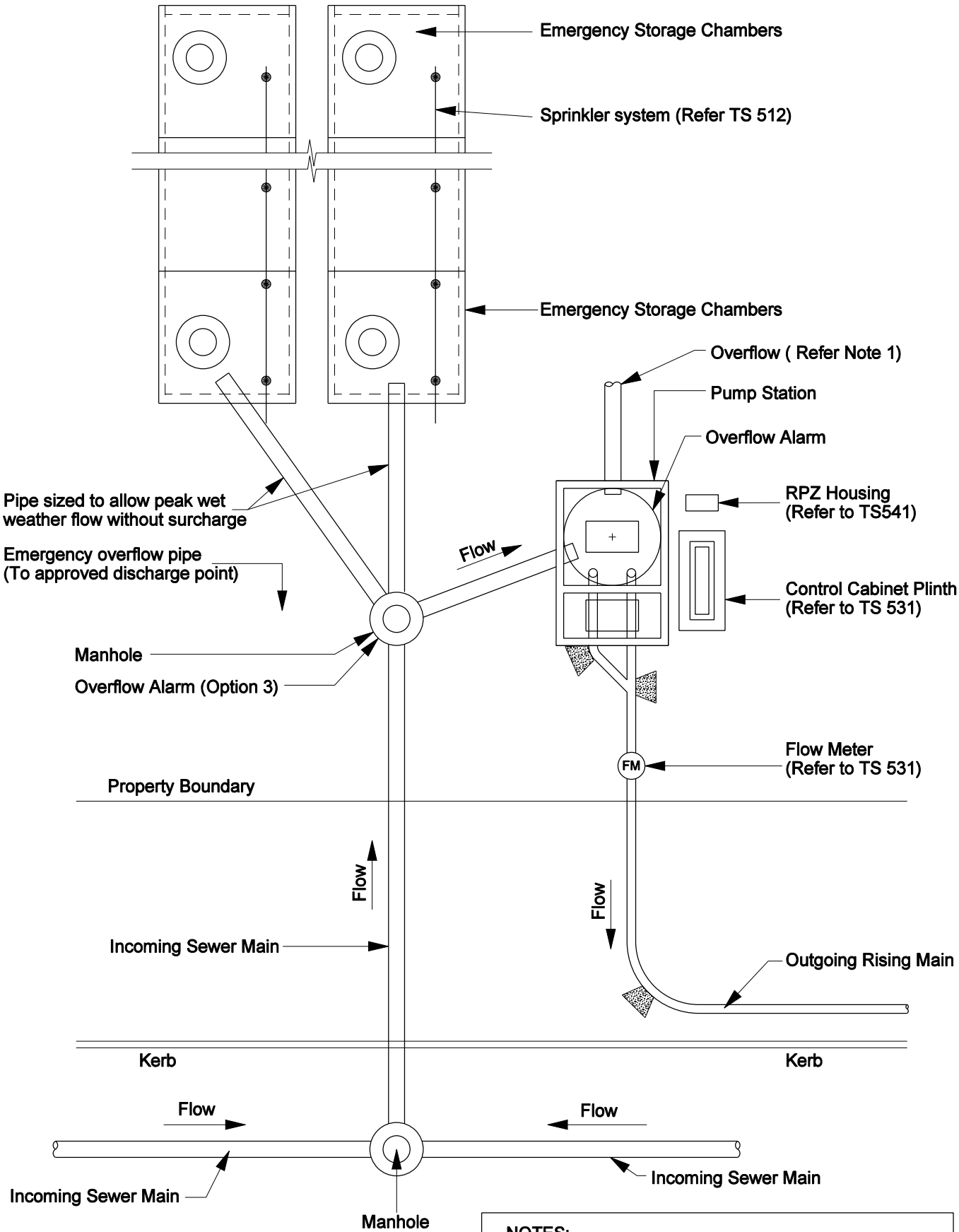
Works & Services Group
City Waters Unit

SPS CONCRETE COVER - REINFORCING

TS 504

Version:October 2010

Path G:\HCCMap\STANDARDS\TECHNICAL SPEC\Drainage\dwgs.dgn



NOTES:

1. If overflow is located distally to wet well the overflow float is to be mounted at this location

Hamilton City Council
Te kaunihera o Kirikiriroa

Approved by: City Waters Manager

Development Manual

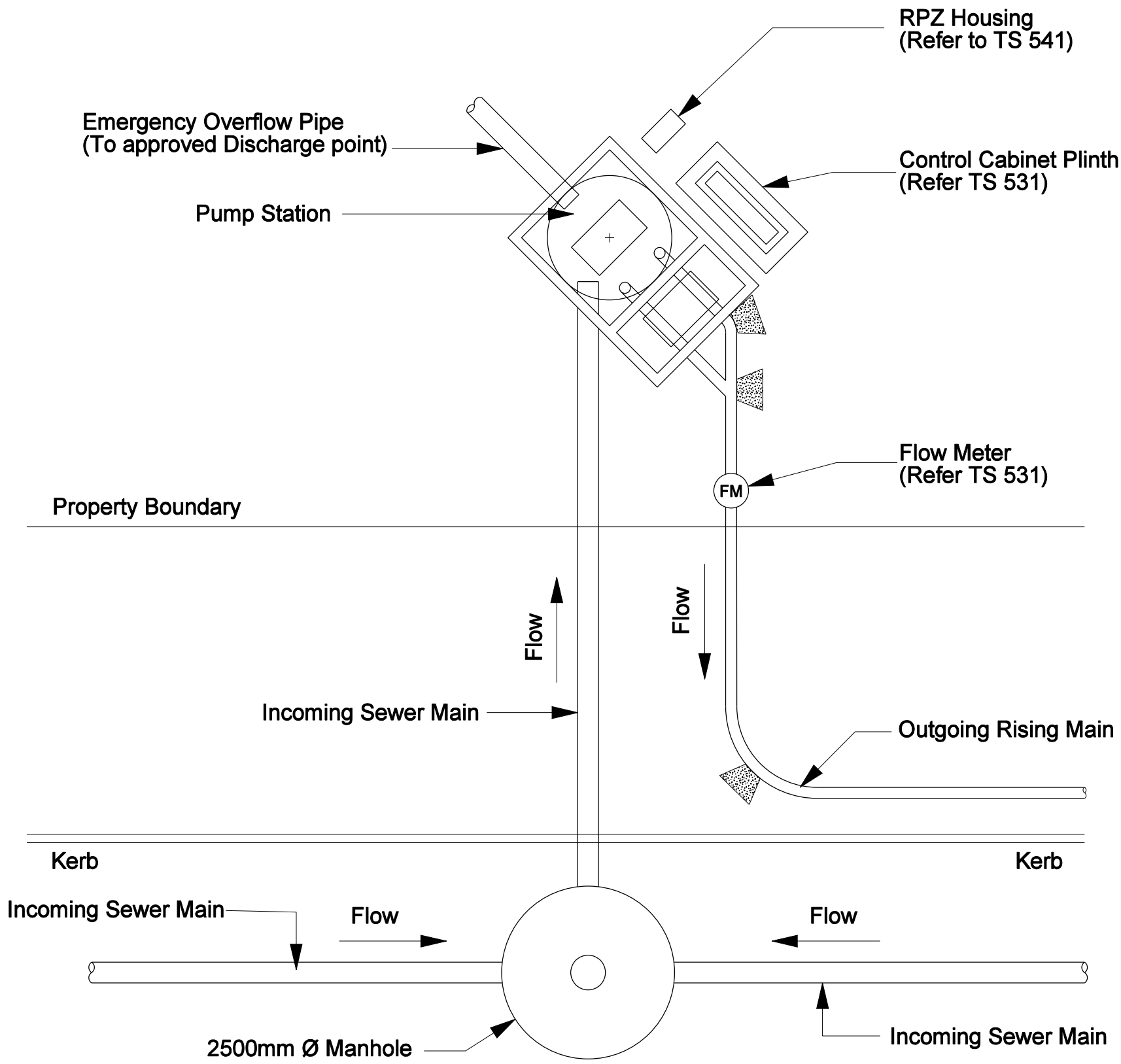
Works & Services Group
City Waters Unit

STORAGE PLAN - OPTION 1

TS 510

Version: October 2010

Path g:\hccmap\standards\tech spec\drainage\dwgs.dgn



NOTES:

1. If overflow is located distally to wet well the overflow float is to be mounted at this location

Hamilton City Council
Te kaunihera o Kirikiriroa

Development Manual

Works & Services Group
City Waters Unit

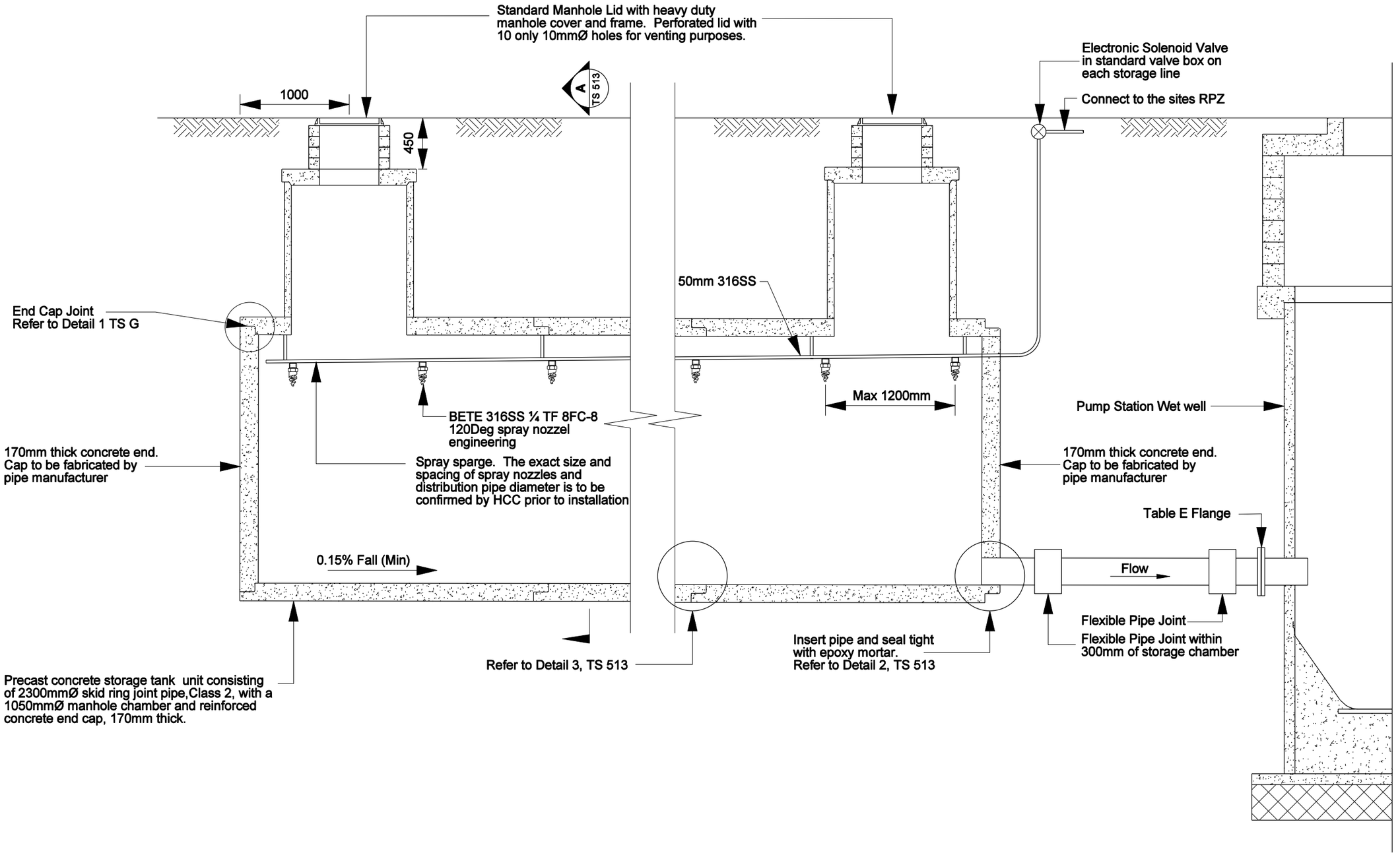
STORAGE PLAN - OPTION 2 FOR STORAGE VOLUME <15M³

Approved by: City Waters Manager

TS 511

Version: October 2010

Path g:\hccmap\standards\tech spec\drainage\dwgs.dgn



Hamilton City Council
Te kaunihera o Kirikiriroa

Development Manual

Works & Services Group
City Waters Unit

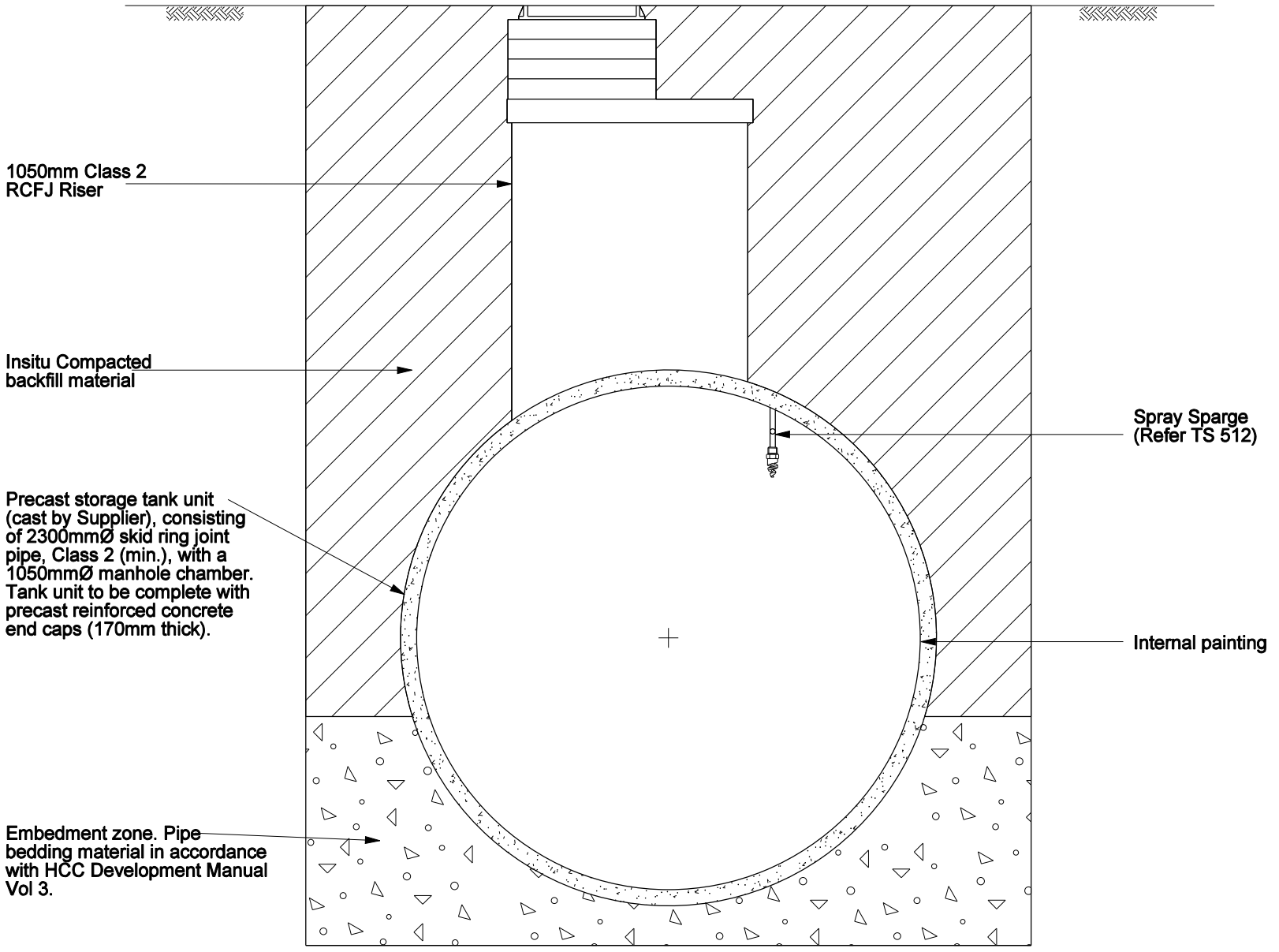
STORAGE SECTION

Approved by: City Waters Manager

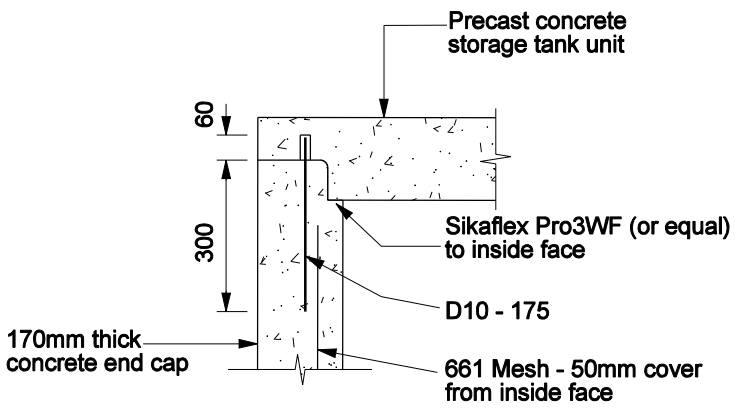
TS 512

Version: October 2010

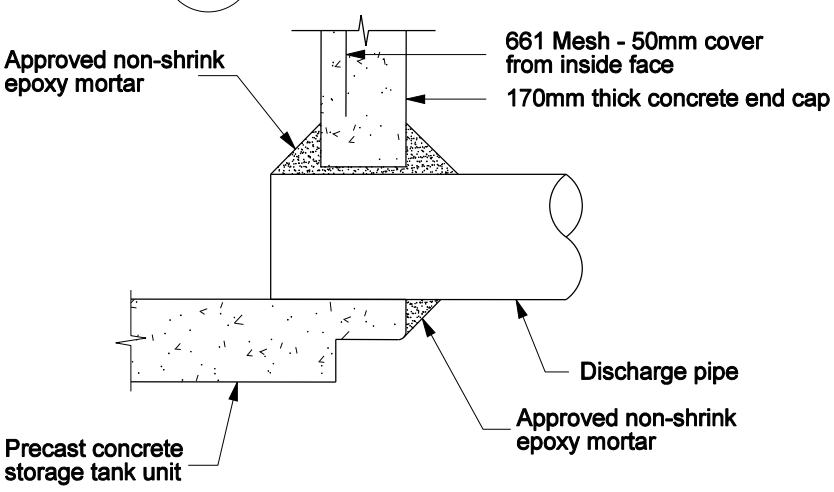
Path G:\HCCMap\STANDARDS\TECHNICAL SPEC\Drainage\dwgs.dgn



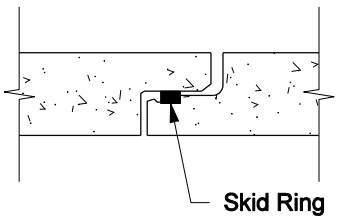
SECTION A
TS 512



DETAIL 1
(Concrete Strength 35MPa @ 28 Days)



DETAIL 2



DETAIL 3
(Concrete Strength 35MPa @ 28 Days)

Hamilton City Council
Te kaunihera o Kirikiriroa

Development Manual

Works & Services Group
City Waters Unit

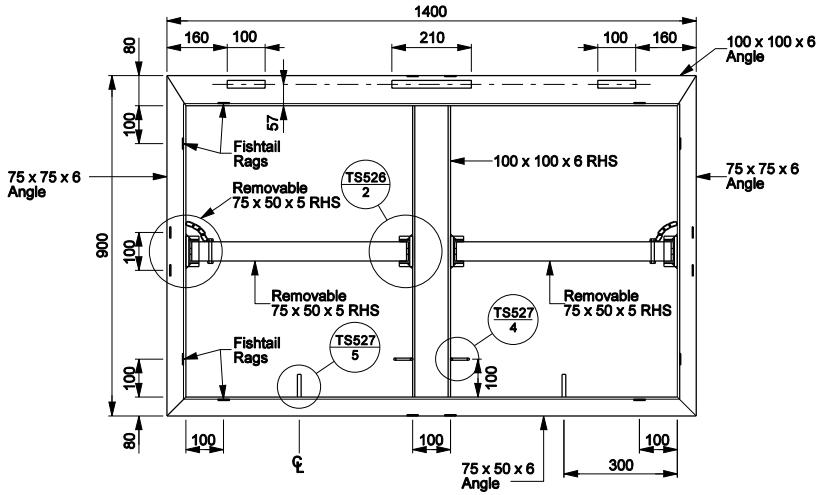
STORAGE END ELEVATION AND DETAILS

Approved by: City Waters Manager

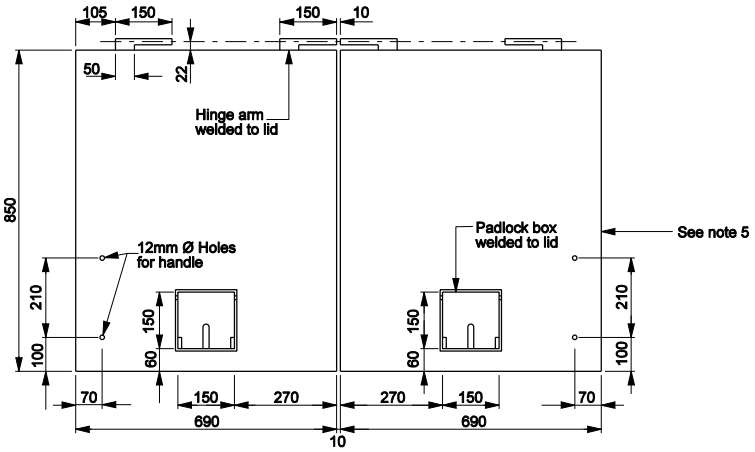
TS 513

Version: October 2010

Path g:\hccmap\standards\tech spec\drainage\dwgs.dgn



FRAME FOR DOUBLE LID
(3085 & 3102 Pumps)



DOUBLE LID
(3085 & 3102 Pumps)

NOTES

1. All dimensions in mm.
2. Refer to Drawings TS 526 and TS 527 for frame details and TS 528 for lid details.
3. All welds to be continuous.
4. Frames to be 316 Stainless Steel.
5. Lids to be 6mm aluminium checker plate.
6. Lids and frames to be matched set.
7. Grouting lugs to be welded to frame 100mm in from each corner as shown in plan view - Refer to Detail TS 528.

Hamilton City Council
Te kaunihera o Kirikiriroa

Approved by: City Waters Manager

Development Manual

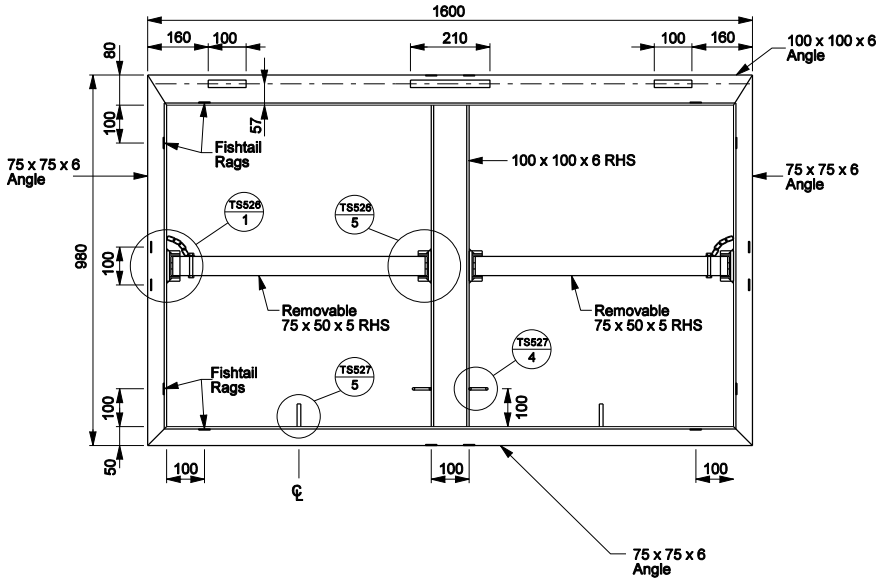
Works & Services Group
City Waters Unit

SPS LID AND FRAME 3085-3102

TS 520

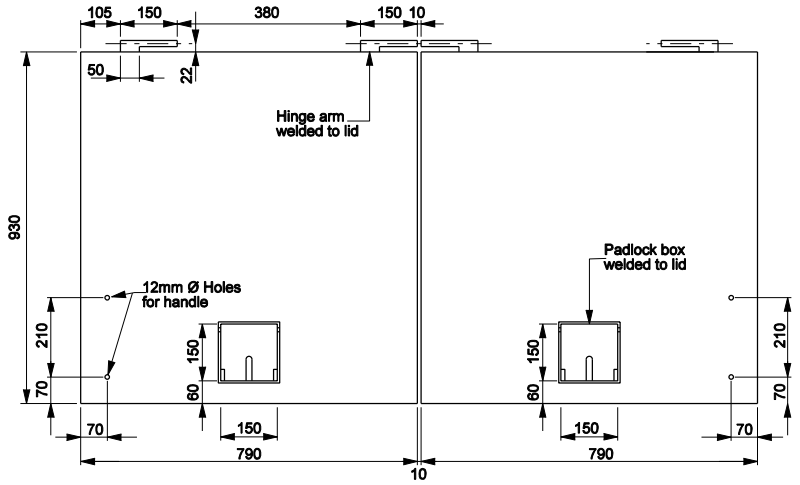
Version: October 2010

Path g:\hccmap\standards\tech spec\



FRAME FOR DOUBLE LID

(3127 & 3153 Pumps)



DOUBLE LID

(3127 & 3153 Pumps)

NOTES

1. All dimensions in mm.
2. Refer to Drawings TS 526 and TS 527 for frame details and TS 528 for lid details.
3. All welds to be continuous.
4. Frames to be 316 Stainless Steel.
5. Lids to be 6mm aluminium checker plate.
6. Lids and frames to be matched set.
7. Grouting lugs to be welded to frame 100mm in from each corner as shown in plan view - Refer to Detail TS 528.

Hamilton City Council
Te kaunihera o Kirikiriroa

Development Manual

Works & Services Group
City Waters Unit

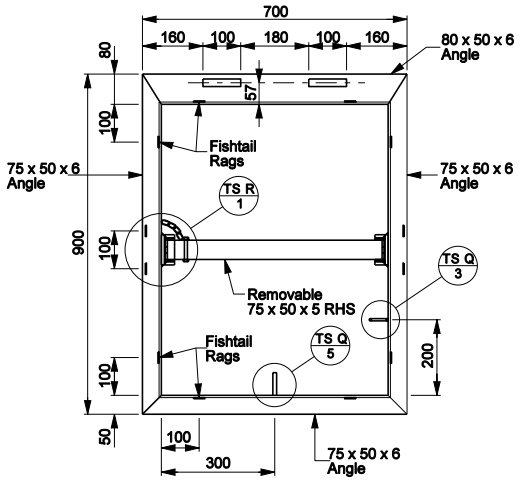
SPS LID AND FRAME 3127-3153 (MT-HT-SH Only)

Approved by: City Waters Manager

TS 521

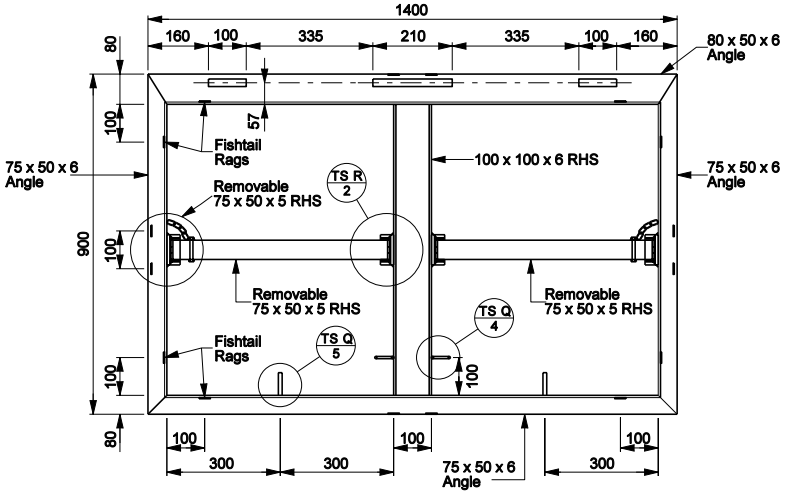
Version: October 2010

Path g:\hccmap\standards\tech spec\



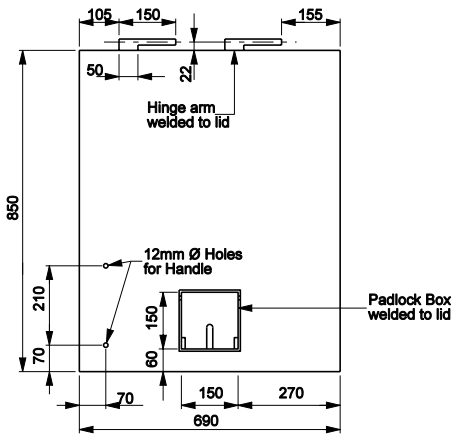
FRAME FOR SINGLE LID

(3085 & 3102 Pumps and Valve Chambers)



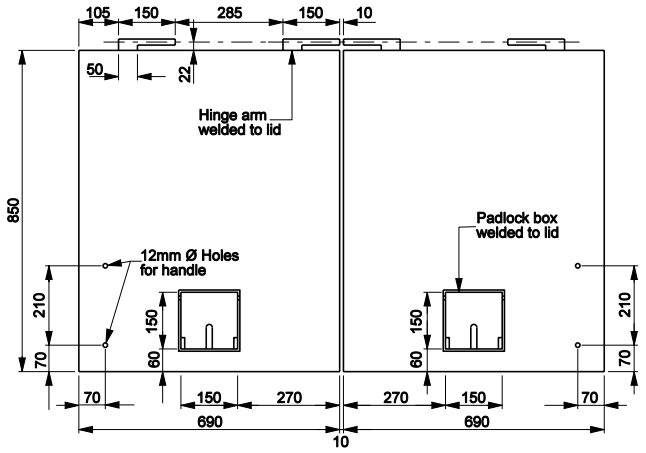
FRAME FOR DOUBLE LID

(3085 & 3102 Pumps)



SINGLE LID

(3085 & 3102 Pumps and Valve Chambers)



DOUBLE LID

(3085 & 3102 Pumps)

NOTES

1. All dimensions in mm.
2. Refer to Drawings TS Q and TS R for frame details and TS S for lid details.
3. All welds to be continuous.
4. Frames to be 316 Stainless Steel.
5. Lids to be 6mm aluminium checker plate.
6. Lids and frames to be matched set.
7. Use single lid and frame for valve chamber.
8. Grouting lugs to be welded to frame 100mm in from each corner as shown in plan view - Refer to Detail TS R.

HAMILTON CITY COUNCIL
WORKS & SERVICES GROUP
WATER & WASTE SERVICES

SPS LID AND FRAME 3085-3102

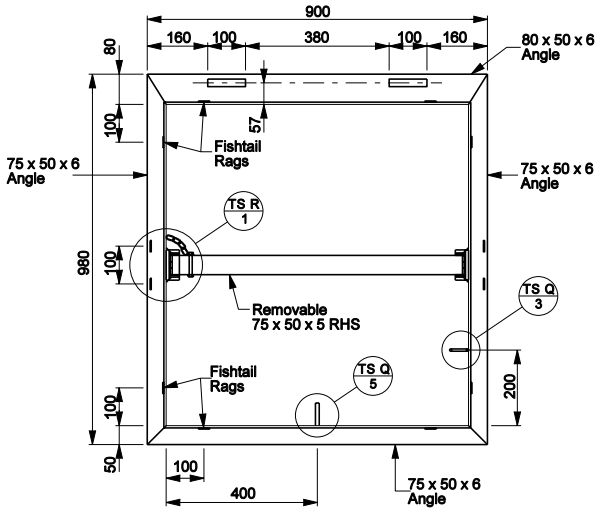
DEVELOPMENT MANUAL

TS 524

Approved: WWS Manager

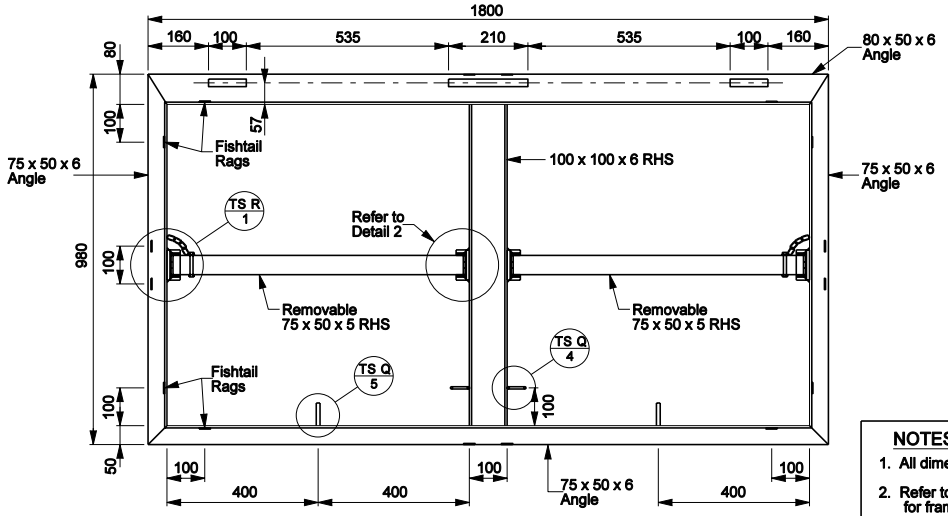
Version: August 2008

Path g:\hccmap\standards\tech spec\drainage\dwgs.dgn



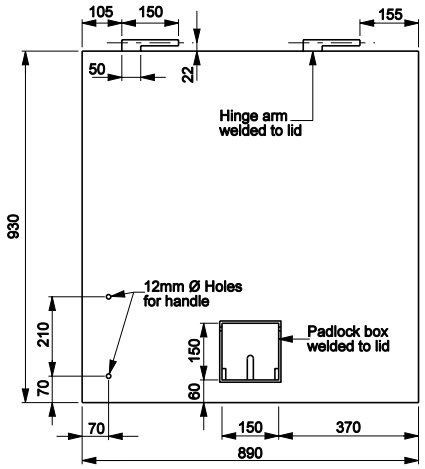
FRAME FOR SINGLE LID

(3127 & 3153 Pumps and Valve Chambers)



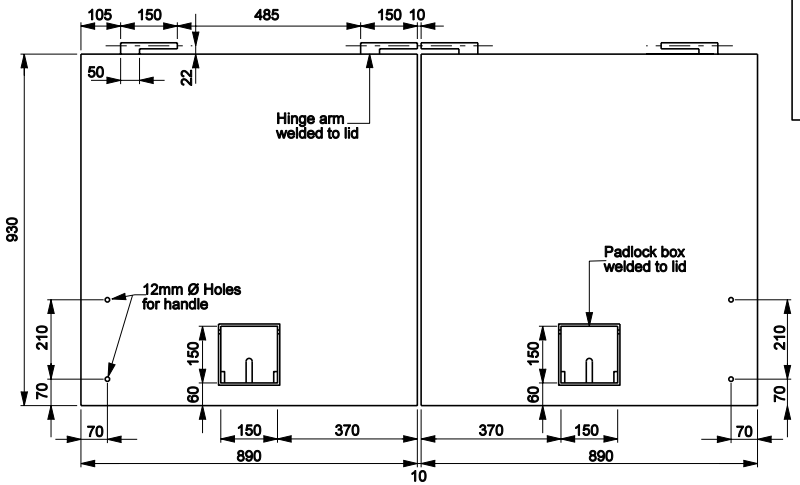
FRAME FOR DOUBLE LID

(3127 & 3153 Pumps)



SINGLE LID

(3127 & 3153 Pumps and Valve Chambers)



DOUBLE LID

(3127 & 3153 Pumps)

NOTES

1. All dimensions in mm.
2. Refer to Drawings TS Q and TS R for frame details and TS S for lid details.
3. All welds to be continuous.
4. Frames to be 316 Stainless Steel.
5. Lids to be 6mm aluminium checker plate.
6. Lids and frames to be matched set.
7. Use single lid and frame for valve chamber.
8. Grouting lugs to be welded to frame 100mm in from each corner as shown in plan view - Refer to Detail TS R.

HAMILTON CITY COUNCIL
WORKS & SERVICES GROUP
WATER & WASTE SERVICES

SPS LID AND FRAME 3127 - 3153

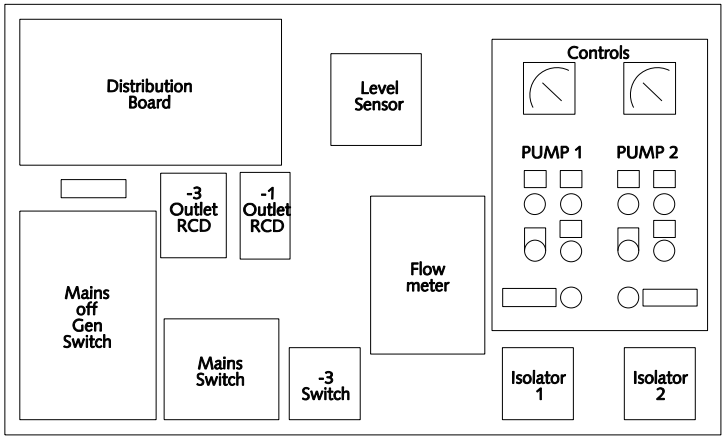
DEVELOPMENT MANUAL

TS 525

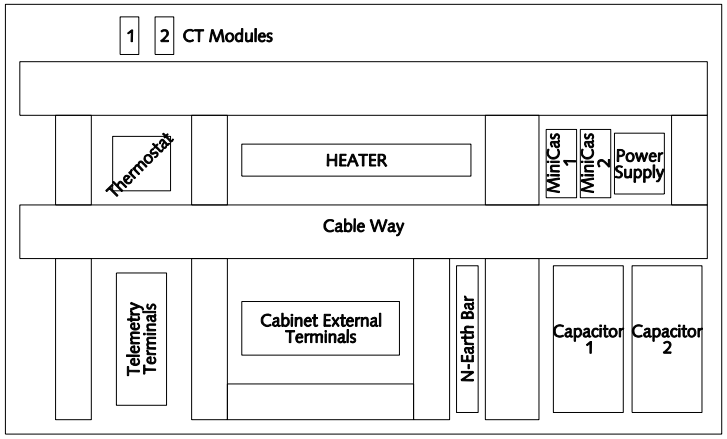
Approved: WWS Manager

Version: August 2008

Path g:\hccmap\standards\tech spec\drainage\dwgs.dgn



FRONT LAYOUT



REAR LAYOUT

EQUIPMENT LAYOUT

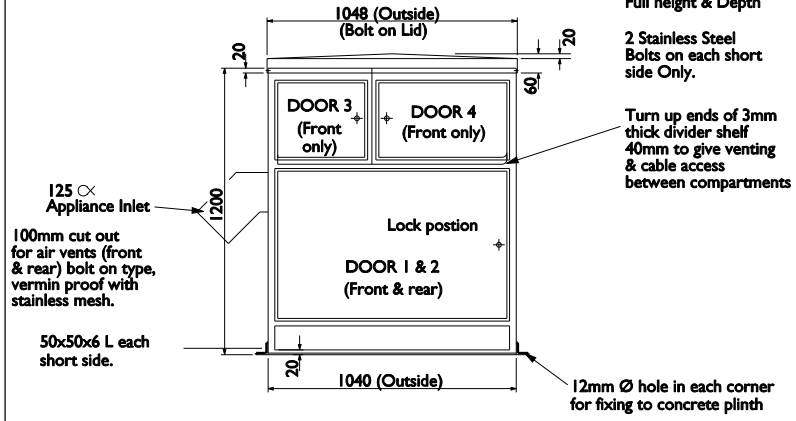
Door Schedule

Door 1 & 2	Switchboard access Clear opening 960x615 Door size 986x641
Door 3	WEL meter Clear opening 360x296 Door size 386x322
Door 4	PLC access Clear opening 540x296 Door size 566x322

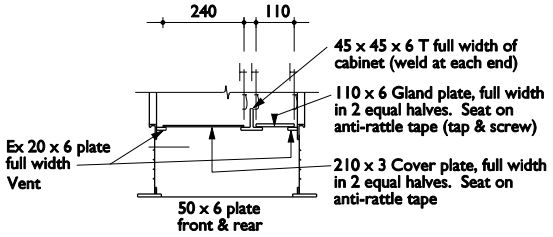
(Door size is outer dimension)
All doors to be creased for added strength against flexing
Large doors may need extra bracing on inside of door

Notes

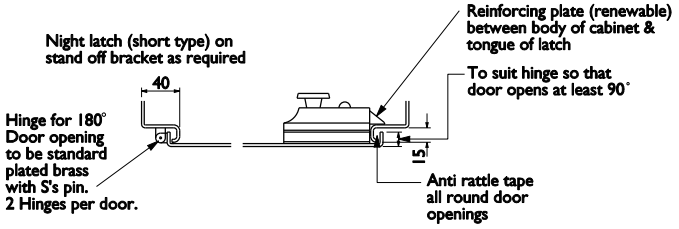
1. Cabinet and doors to be fabricated from 3mm thick aluminium.
2. After fabrication cabinet exterior shall be powder coated in Pacific Gold Orica Deep Brunswick Green code:81879
3. Stitch weld brackets & angles running full width against body of cabinet except base angle & plate which shall be continuously welded.



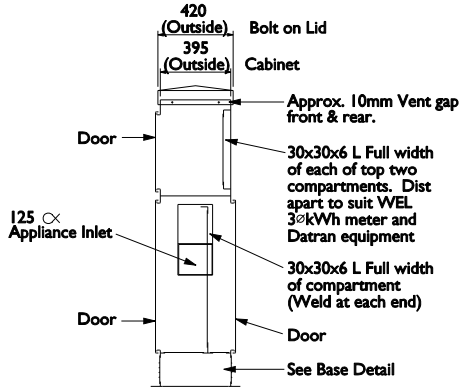
FRONT ELEVATION



BASE DETAIL



SECTION THROUGH DOOR



SECTION

Hamilton City Council
Te kaunihera o Kirikiriroa

Development Manual

Works & Services Group
City Waters Unit

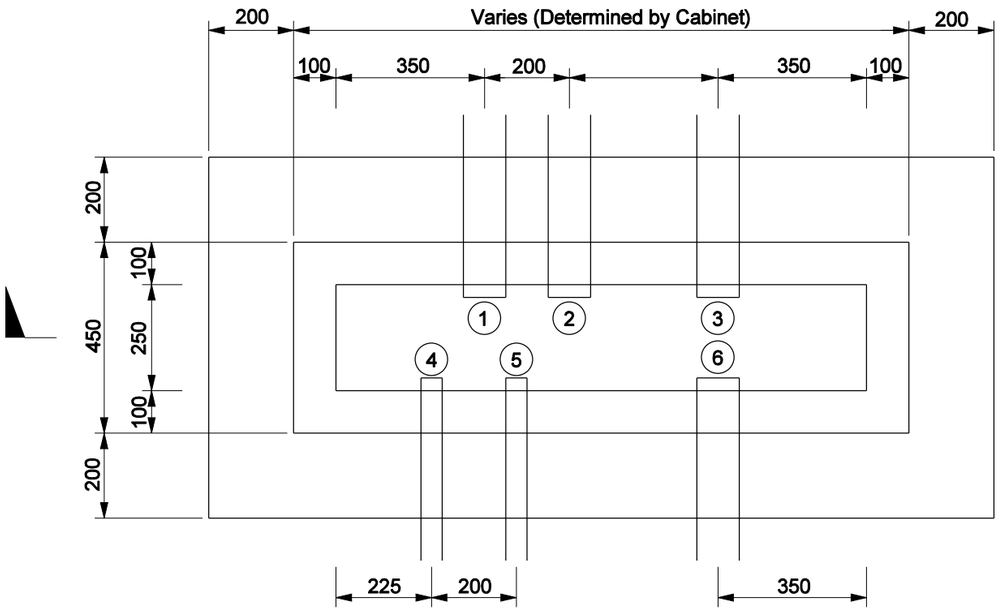
STANDARD ELECTRICAL CABINET FOR WASTEWATER PUMPING STATION

Approved by: City Waters Manager

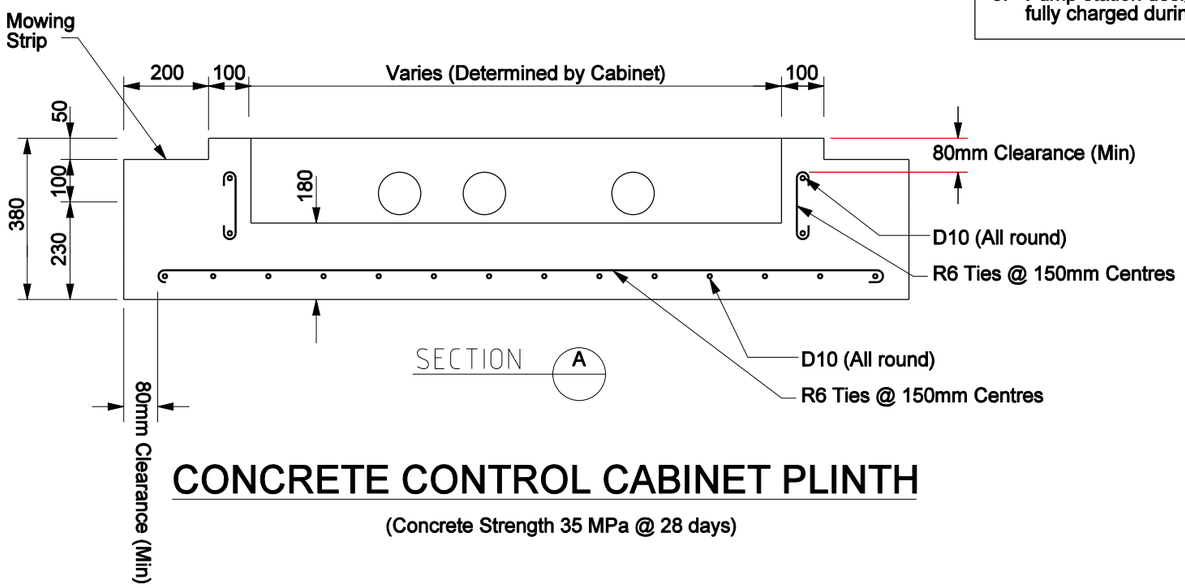
TS 530

Version: October 2010

Path g:\hccmap\standards\tech spec\



PLAN



CONCRETE CONTROL CABINET PLINTH

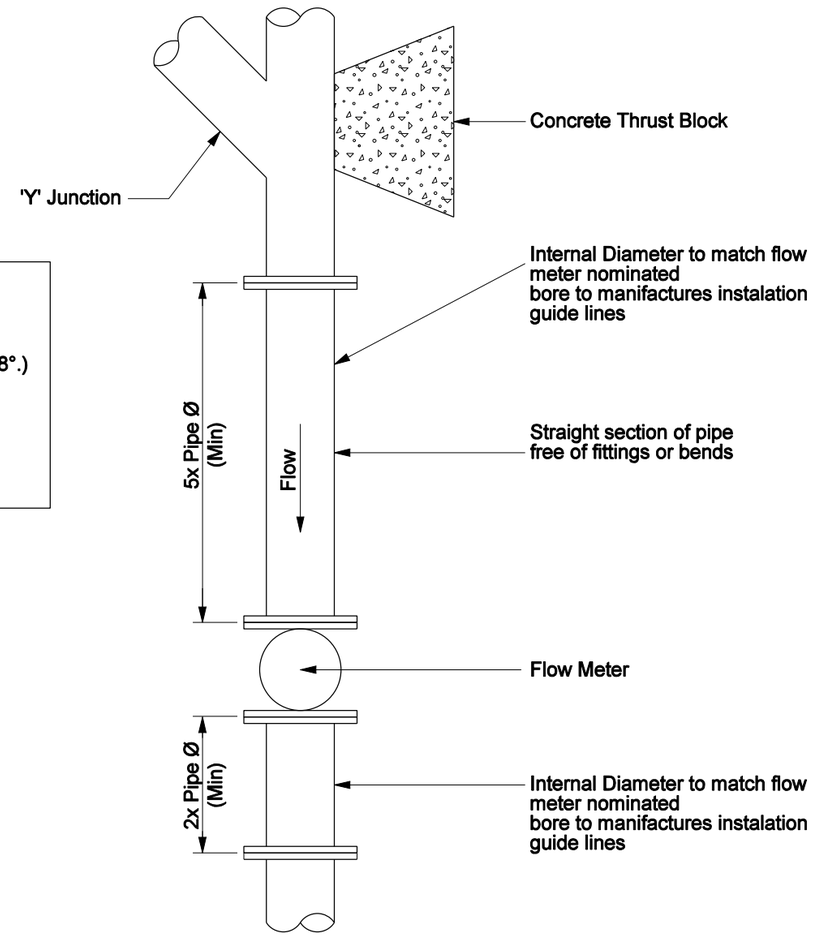
(Concrete Strength 35 MPa @ 28 days)

CABLE DUCTS

1. 100mmØ PVC Duct - Pump Power
2. 100mmØ PVC Duct - Floats/Level Sensors
3. 50mmØ PVC Duct - Solenoid Valves (If any sparges installed)
4. 50mmØ PVC Duct - Overflow Float (If remotly installed)
5. 50mmØ PVC Duct - Flow Meter
6. 100mmØ PVC Duct - Power Inlet

NOTES

1. Internal diameters of pipe and flow meter are to be matched. If this is not possible use an undersize flow meter joined to pipe with reducers. (Reducing angle <8°.)
2. Flow meter is to have a calibrated fingerprint by manufacturer before installation.
3. Pump station design must ensure flow meter is fully charged during non-pump operation.



FLOW METER INSTALLATION DETAILS

Hamilton City Council
Te kaunihera o Kirikiriroa

Development Manual

Works & Services Group
City Waters Unit

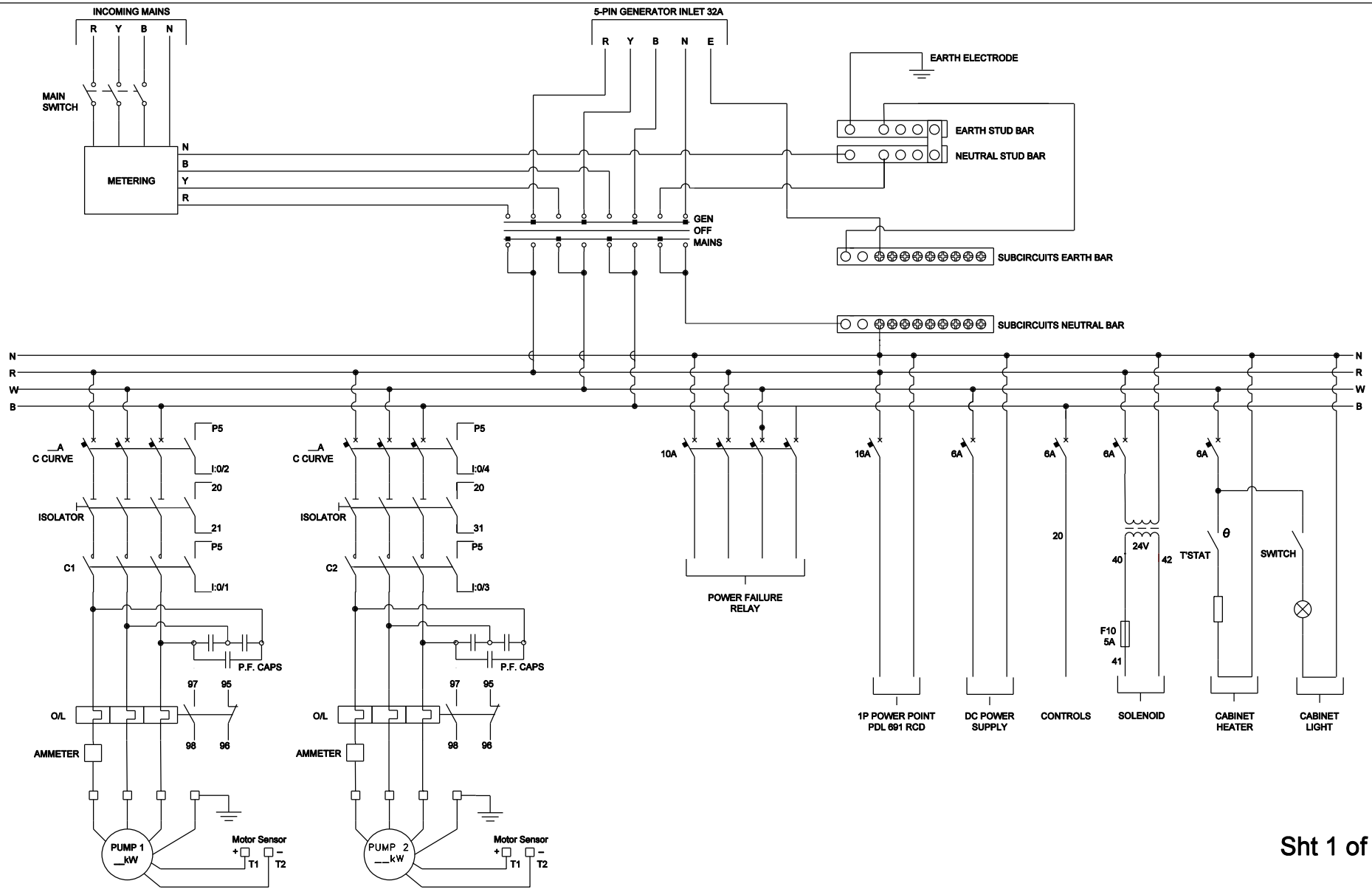
SPS FLOW METER CONTROL CABINET PLINTH

Approved by: City Waters Manager

TS 531

Version: October 2010

Path G:\HCCMap\STANDARDS\TECHNICAL SPEC\Drainage\dwgs.dgn



Sht 1 of 9

Hamilton City Council
Te kaunihera o Kirikiriroa

Development Manual

Works & Services Group
City Waters Unit

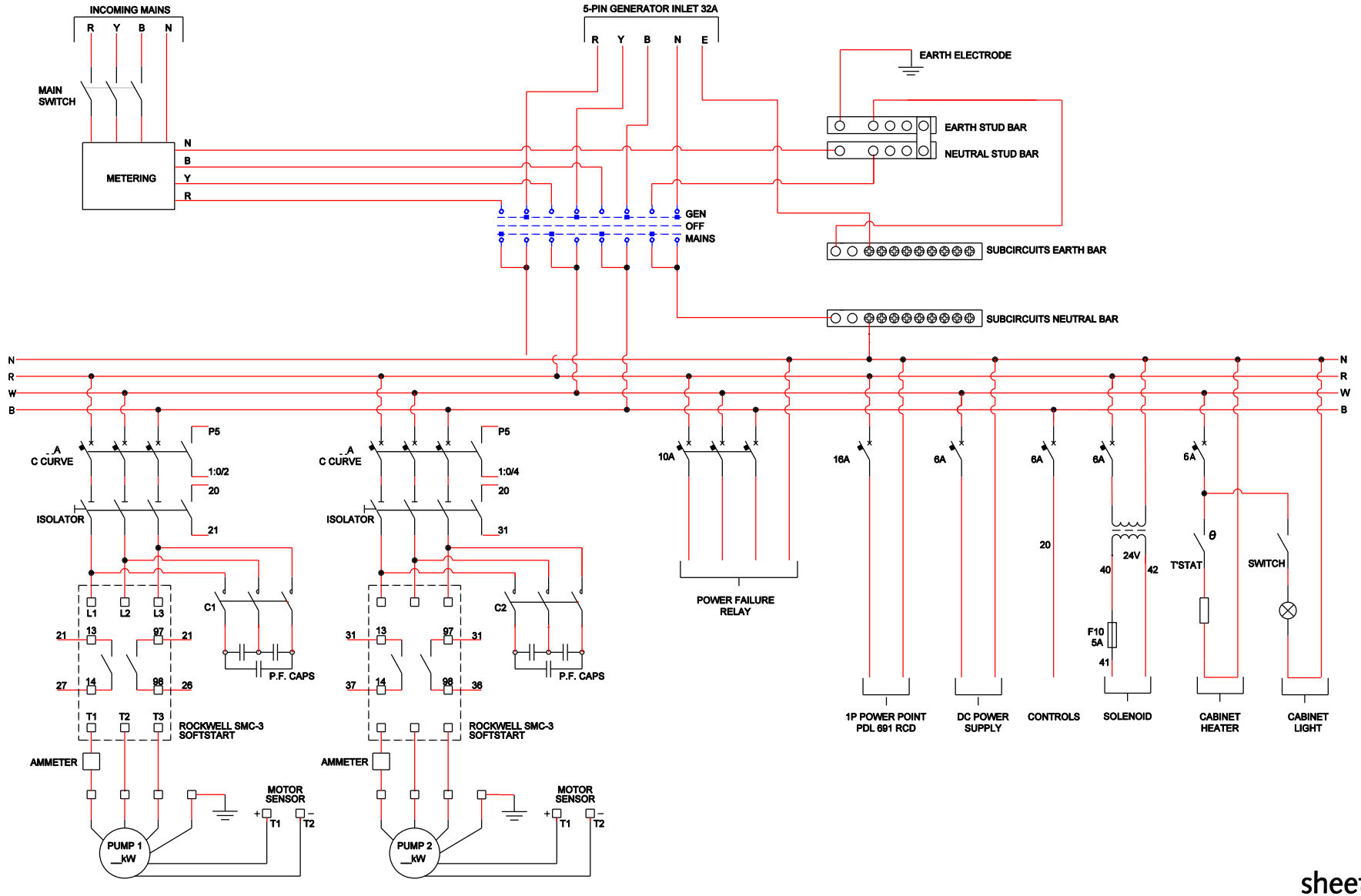
PLC CONTROLLED PUMP STATION
DOL - MAIN POWER

Approved by: City Waters Manager

TS 532.1

Version: October 2010

Path G:\HCCMap\STANDARDS\TECHNICAL SPEC\Drainage\dwgs.dgn



Hamilton City Council
Te kaunihera o Kirikiriroa

Development Manual

Works & Services Group
City Waters Unit

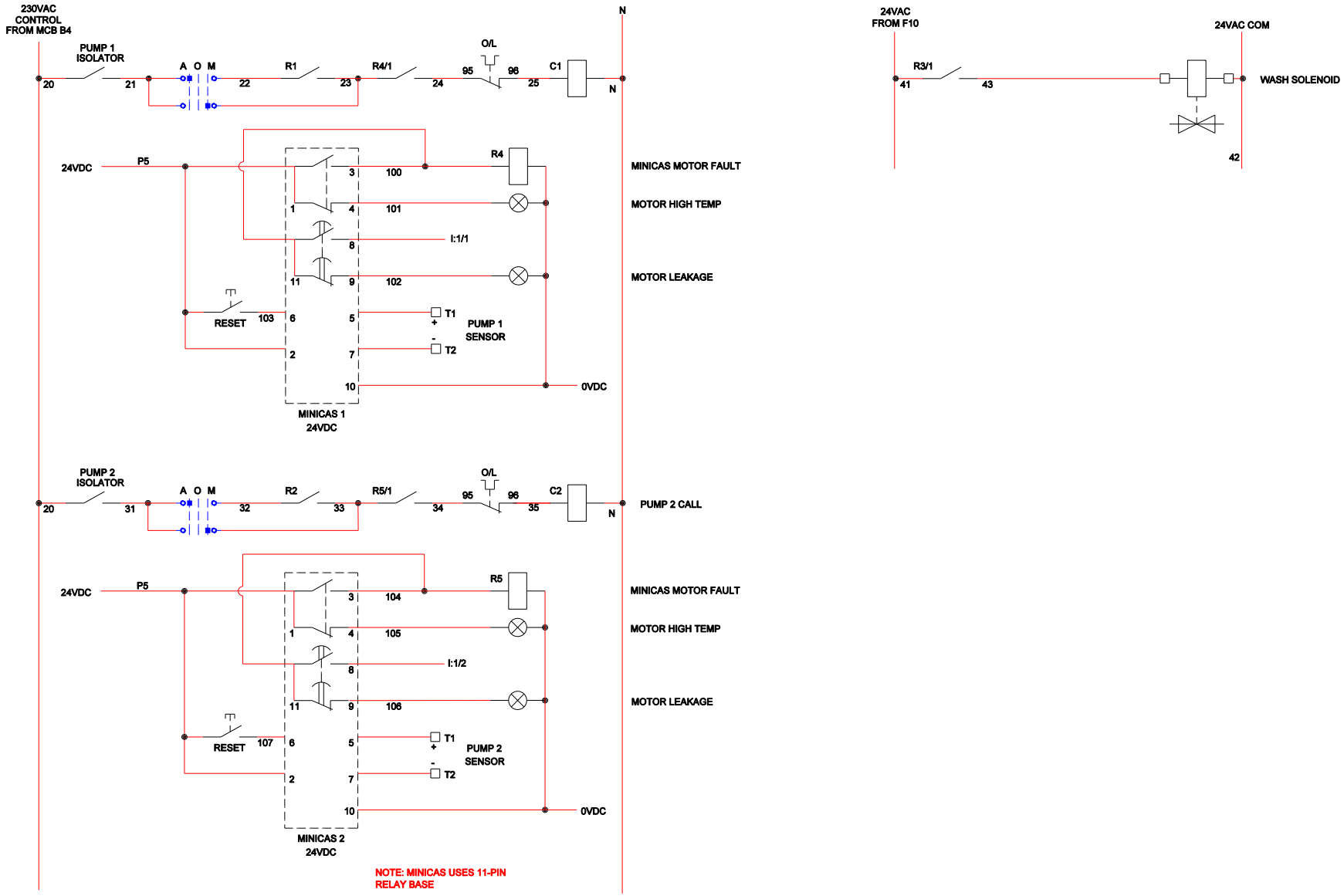
SOFT STARTER PUMP STATION
MAIN POWER

Approved by: City Waters Manager

TS 532.2

Version: October 2010

Path G:\HCCMap\STANDARDS\TECHNICAL SPEC\Drainage\dwgs.dgn



Hamilton City Council
Te kaunihera o Kirikiriroa

Development Manual

Works & Services Group
City Waters Unit

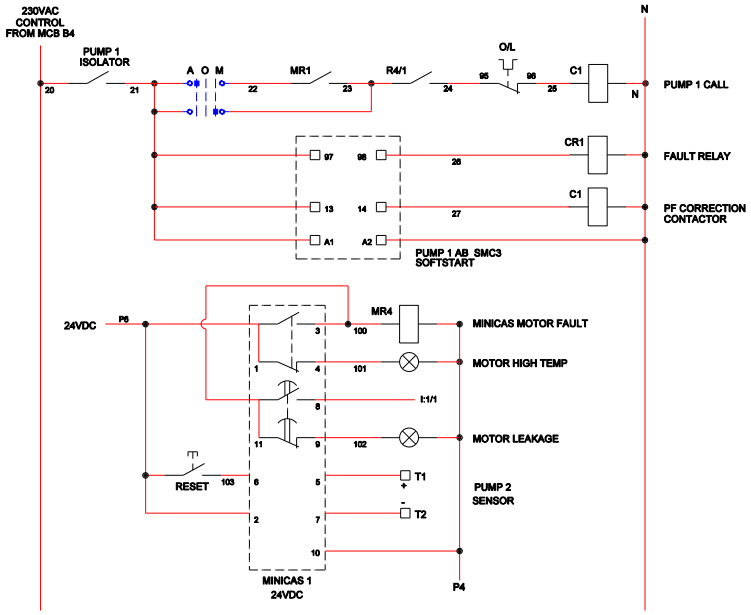
PLC CONTROLLED PUMP STATION
DOL - CONTROL POWER - PUMP CALL & VALUES

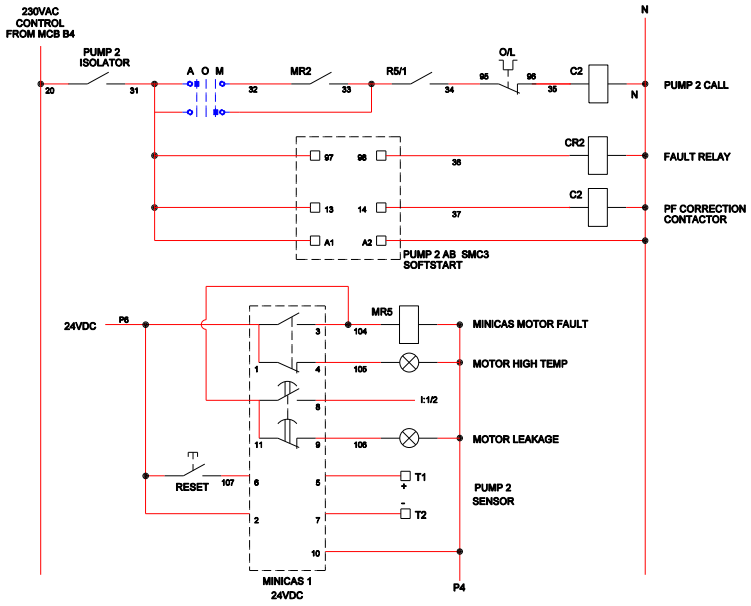
Approved by: City Waters Manager

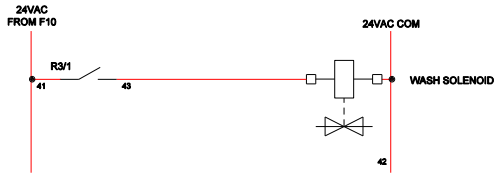
TS 523.3

Version: October 2010

Path G:\HCCMap\STANDARDS\TECHNICAL SPEC\Drainage\dwgs.dgn







Hamilton City Council
Te kaunihera o Kirikiriroa

Development Manual

Works & Services Group
City Waters Unit

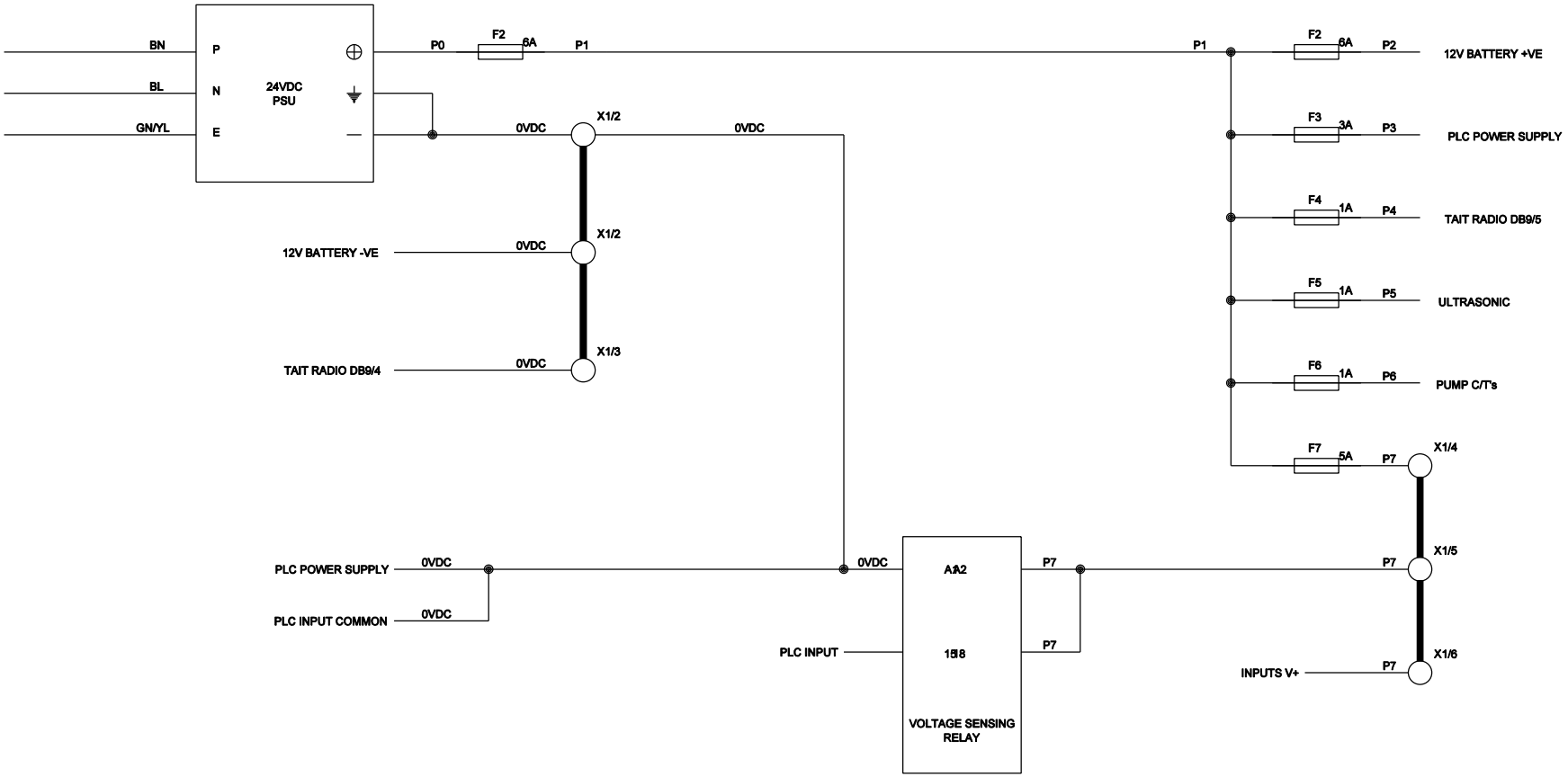
SOFT STARTER PUMP STATION CONTROL POWER PUMP CALL & VALUES

Approved by: City Waters Manager

TS 532.4

Version: October 2010

Path G:\HCCMap\STANDARDS\TECHNICAL SPEC\Drainage\dwgs.dgn



Hamilton City Council
Te kaunihera o Kirikiriroa

Development Manual

Works & Services Group
City Waters Unit

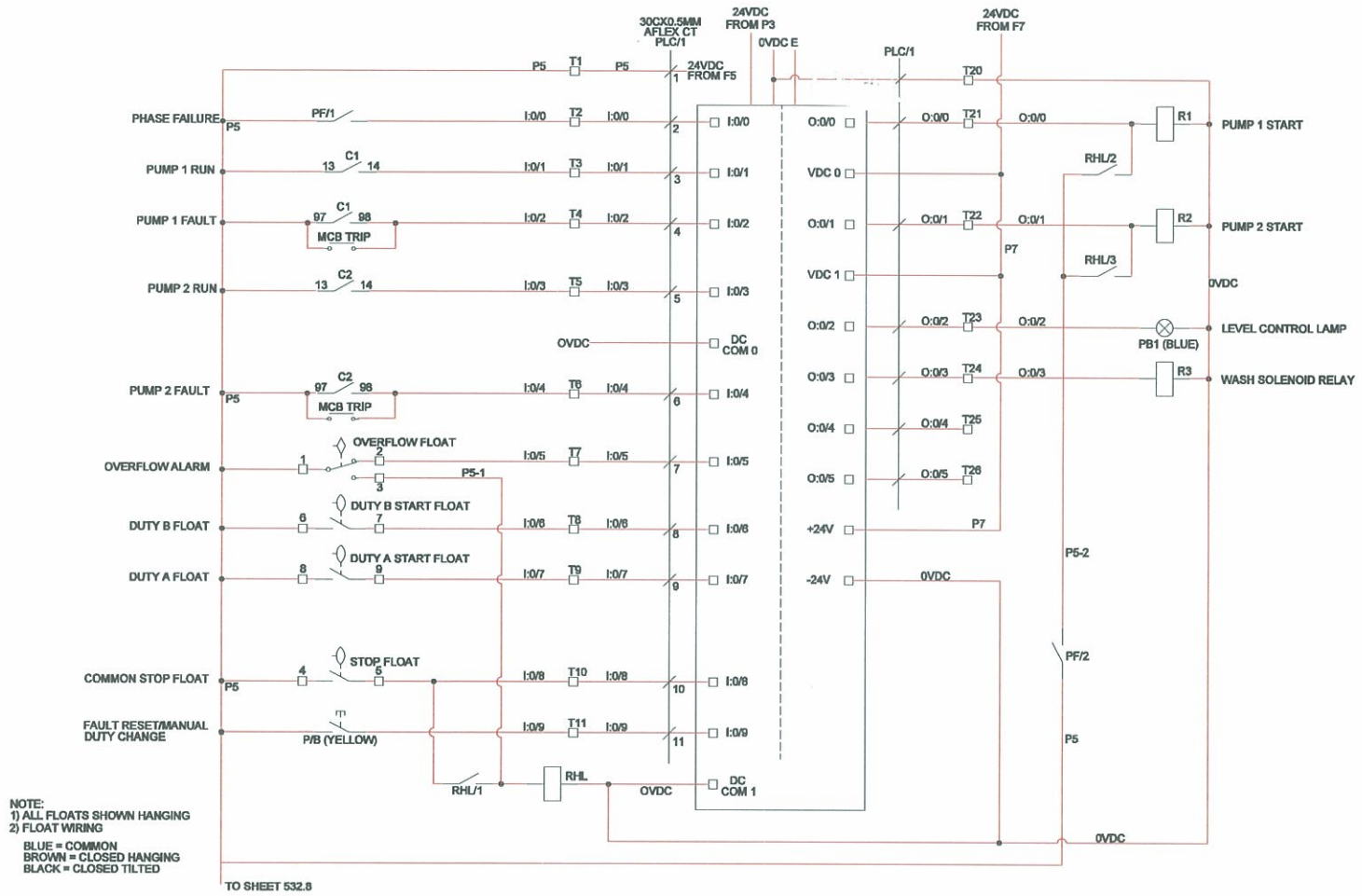
SOFT STARTER PUMP STATION
DOL & SOFT STARTER
INSTRUMENT POWER SUPPLY

Approved by: City Waters Manager

TS 532.5

Version: October 2010

Path G:\HCCMap\STANDARDS\TECHNICAL SPEC\Drainage\dwgs.dgn



Hamilton City Council
Te kaunihera o Kirikiriroa

Development Manual

Works & Services Group
City Waters Unit

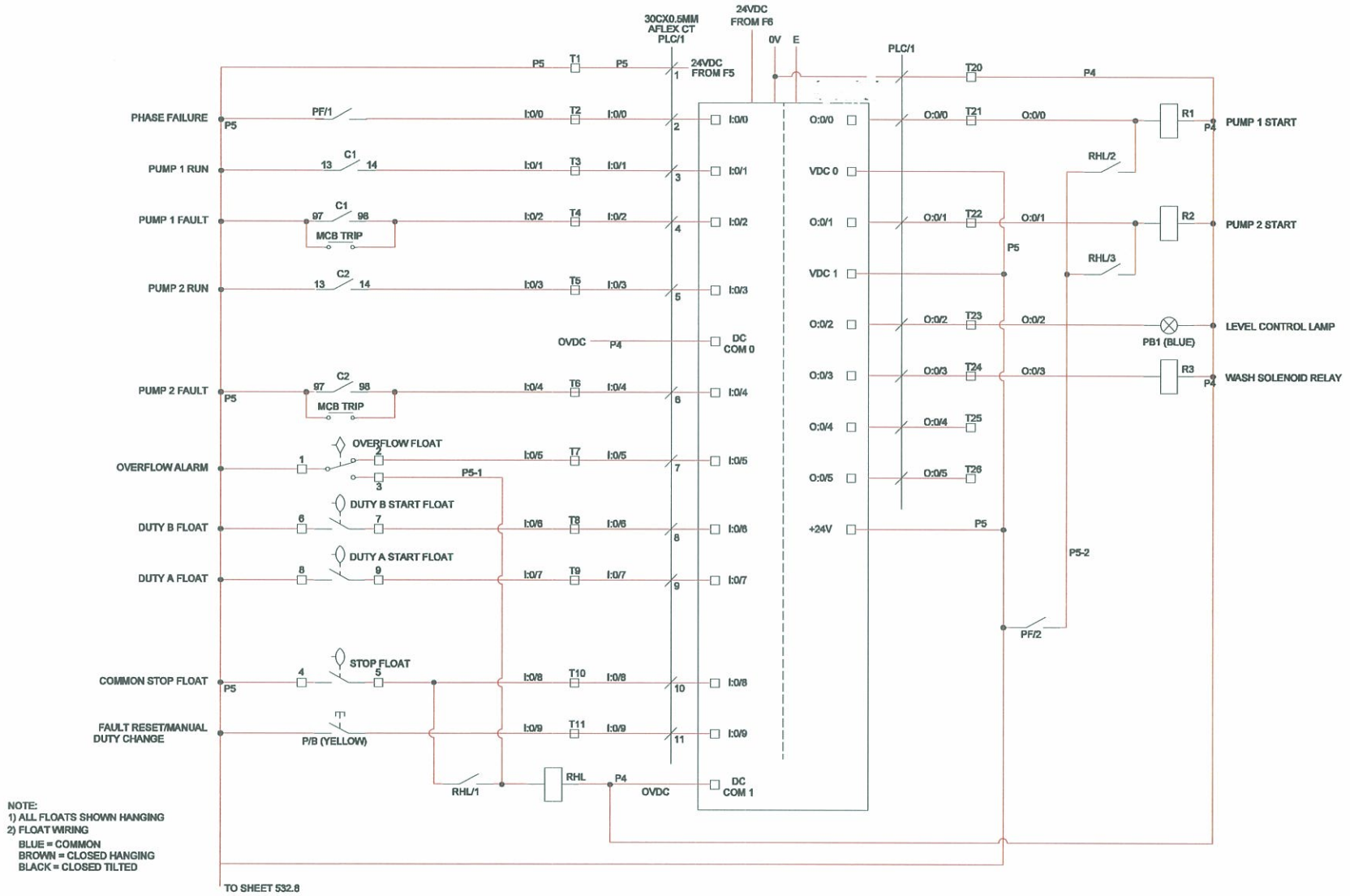
PLC CONTROLLED PUMP STATION
DOL - PLC CONTROL WIRING

Approved by: City Waters Manager

TS 532.6

Version: October 2010

Path G:\HCCMap\STANDARDS\TECHNICAL SPEC\Drainage\dwgs.dgn



Hamilton City Council
Te kaunihera o Kirikiriroa

Development Manual

Works & Services Group
City Waters Unit

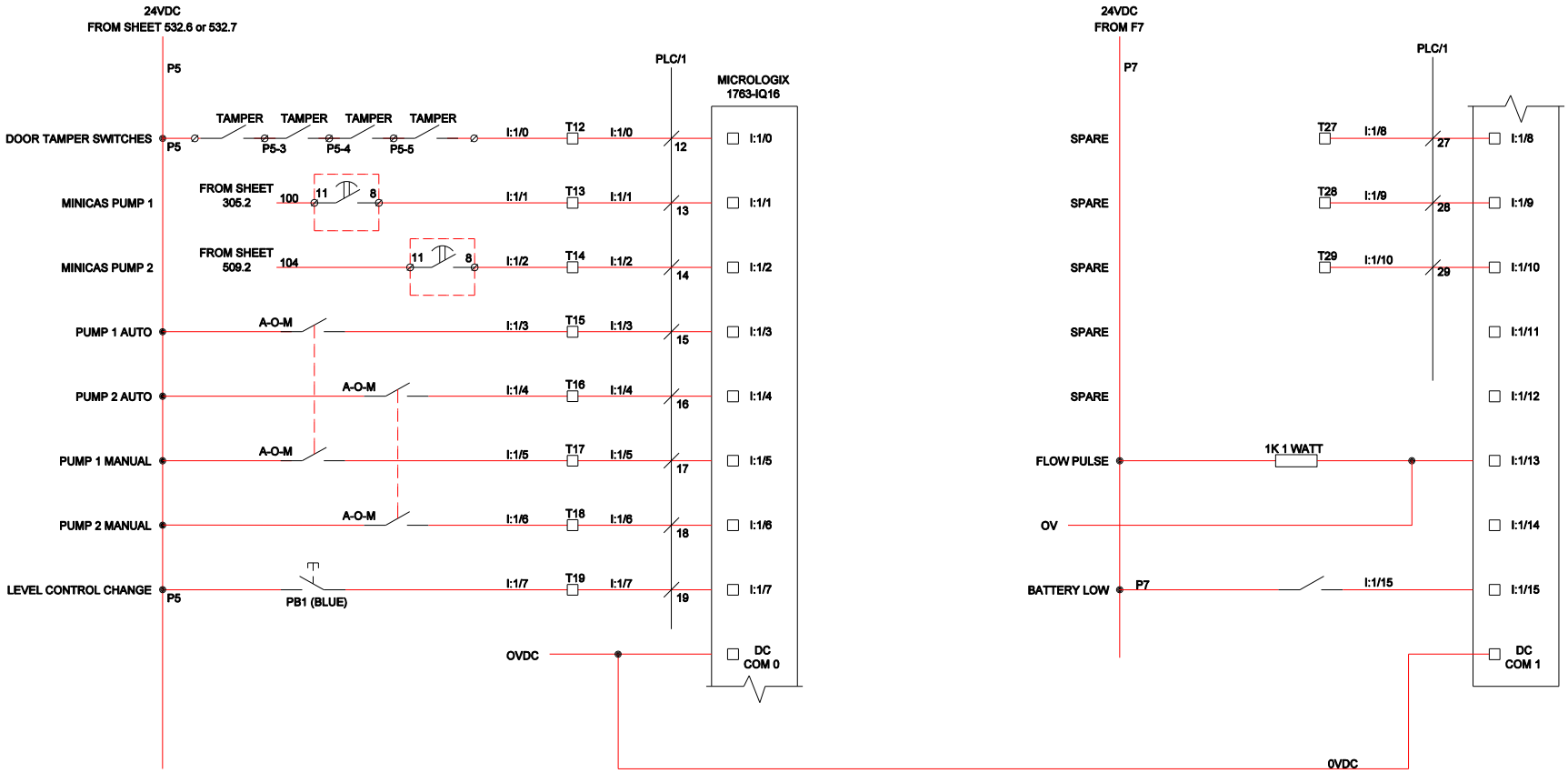
SOFT STARTER PUMP STATION PLC CONTROL WIRING

Approved by: City Waters Manager

TS 532.7

Version: October 2010

Path G:\HCCMap\STANDARDS\TECHNICAL SPEC\Drainage\dwgs.dgn



Hamilton City Council
Te kaunihera o Kirikiriroa

Development Manual

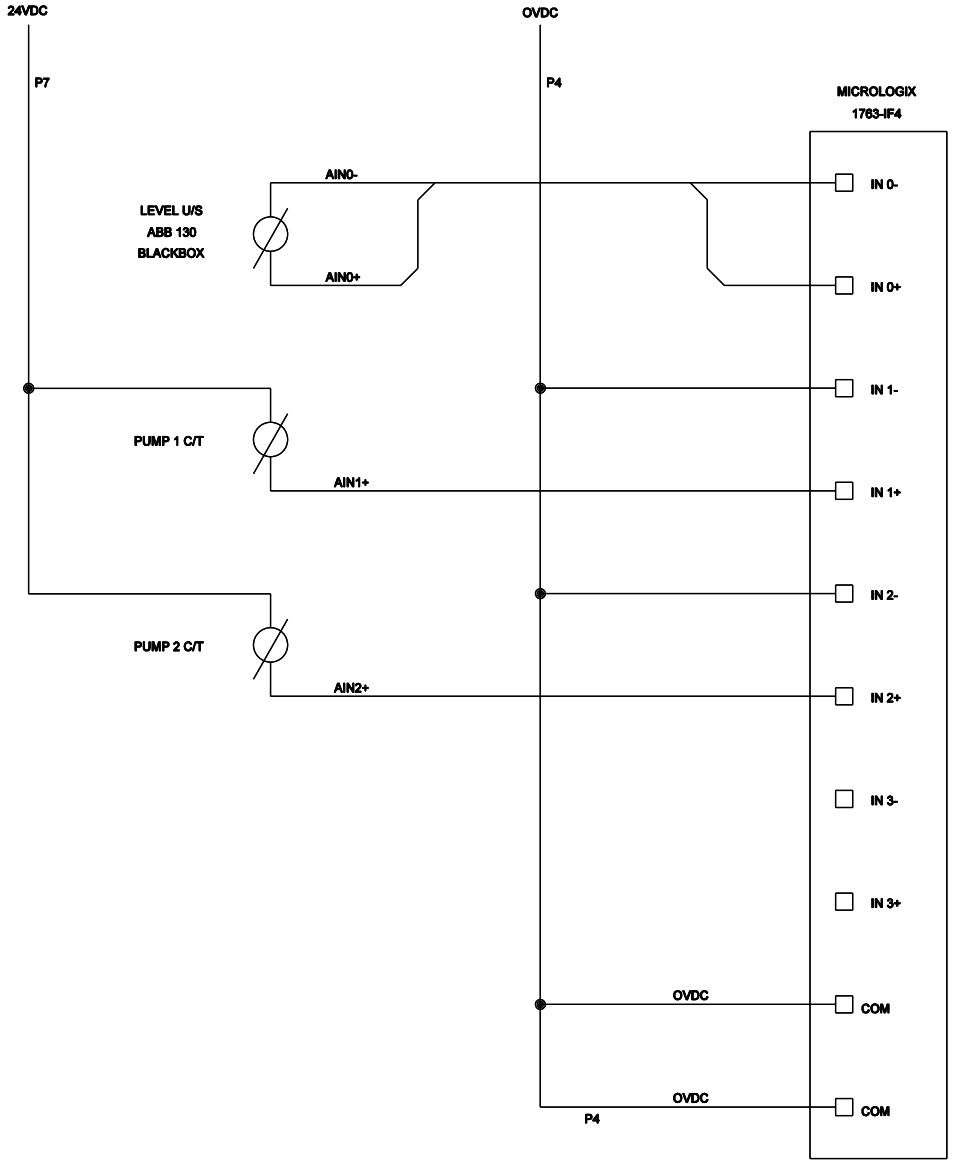
Works & Services Group
City Waters Unit

PLC CONTOLLED PUMP STATION
DOL SOFT STARTER - PLC DIGITAL INPUT EXPANSION MODULE WIRING

Approved by: City Waters Manager

TS 532.8

Version: October 2010



Hamilton City Council
Te kaunihera o Kirikiriroa

Development Manual

Works & Services Group
City Waters Unit

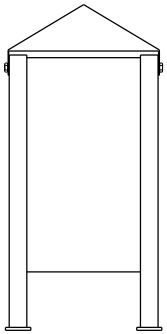
PLC CONTOLLED PUMP STATION
DOL SOFT STARTER - PLC ANALOG INPUT EXPANSION MODULE WIRING

Approved by: City Waters Manager

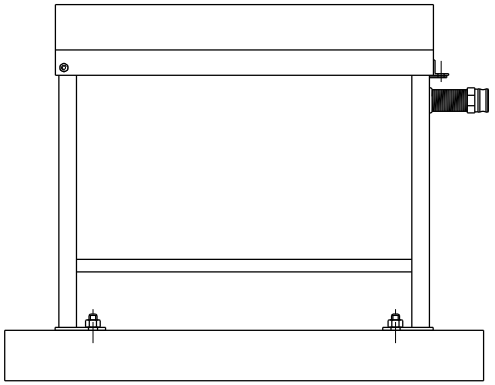
TS 532.9

Version: October 2010

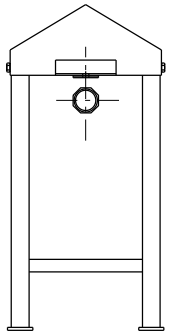
Path G:\HCCMap\STANDARDS\TECHNICAL SPEC\Drainage\dwgs.dgn



LEFT ELEVATION



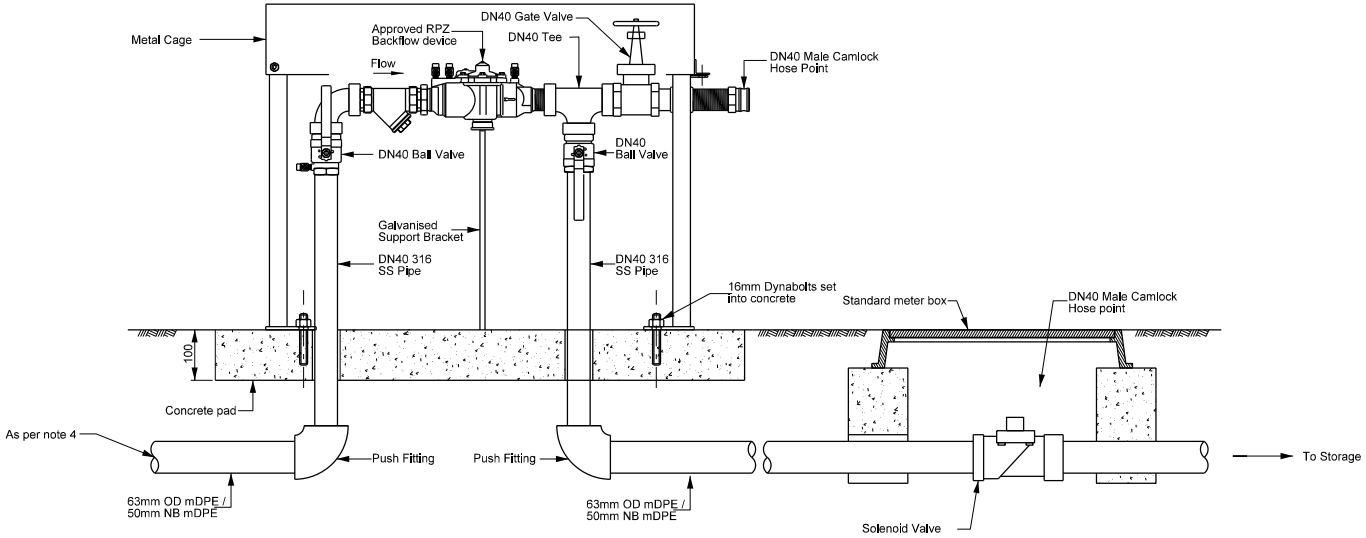
FRONT ELEVATION



RIGHT ELEVATION

METAL CAGE

Refer Drawing TS 530



NOTES

1. Position of backflow device cabinet and hose point to be determined on site
2. All material must comply with HCC Development Manual Specification
3. Color - After fabrication cage exterior shall be powder coated pacific gold orica deep brunswick green code:81879
4. Storage >100m³ requires detailed sizing of pipe + RPZ

Hamilton City Council
Te kaunihera o Kirikiriroa

Development Manual

Works & Services Group
City Waters Unit

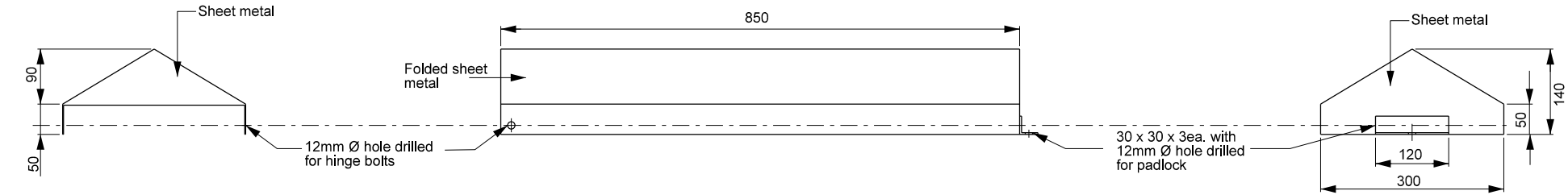
SPS BACKFLOW

Approved by: City Waters Manager

TS 540

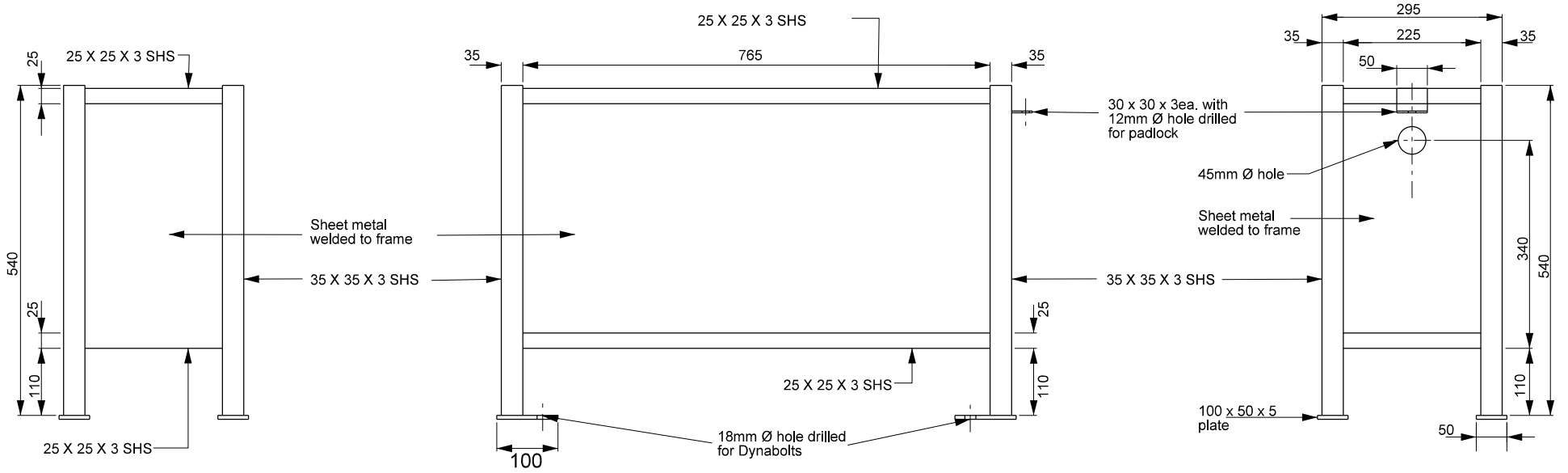
Version: October 2010

G:\HCCMap\STANDARDS\TECHNICAL SPEC\Drainage\dwgs.dgn



LEFT ELEVATION **FRONT ELEVATION** **RIGHT ELEVATION**

CAGE LID



LEFT ELEVATION **FRONT ELEVATION** **RIGHT ELEVATION**

CAGE FRAME

Hamilton City Council
Te kaunihera o Kirikiriroa

Approved by: City Waters Manager

Development Manual

Works & Services Group
City Waters Unit

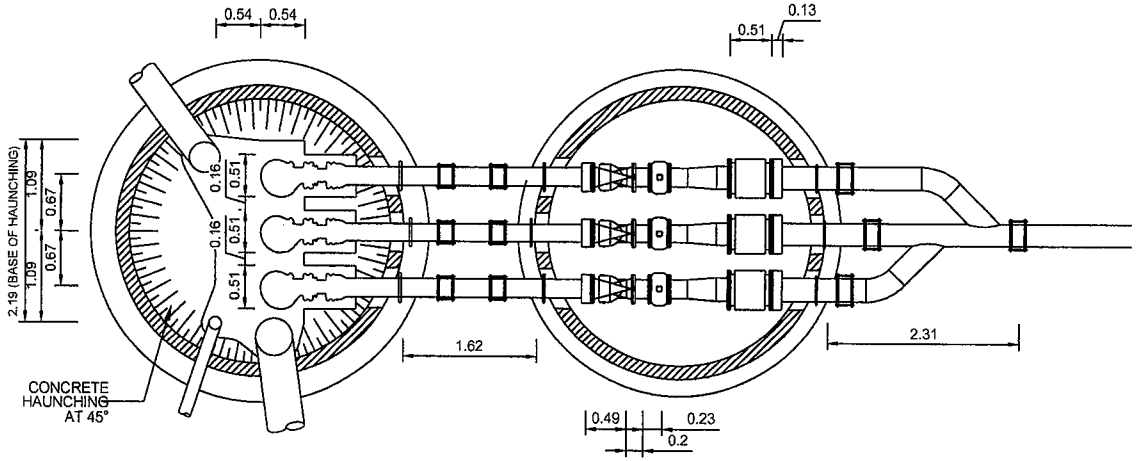
SPS BACKFLOW PREVENTION CAGE

TS 541

Version: October 2010

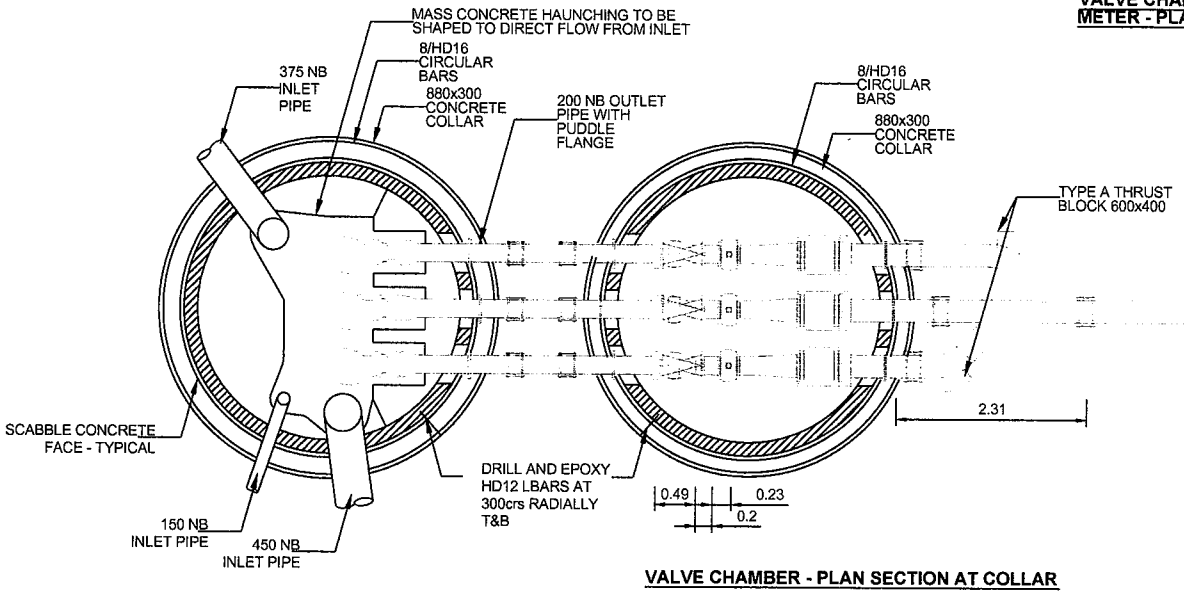
Path G:\HCCMap\STANDARDS\TECHNICAL SPEC\Drainage\dwgs.dgn

NOTE:
ALL NON-PLASTIC BURIED PIPE WORK AND FITTINGS TO BE DENSOTAPE WRAPPED.



PUMP WET WELL - PLAN SECTION

VALVE CHAMBER with FLOW METER - PLAN SECTION



VALVE CHAMBER - PLAN SECTION AT COLLAR

PUMP WET WELL - PLAN SECTION AT COLLAR

matamata piako district council

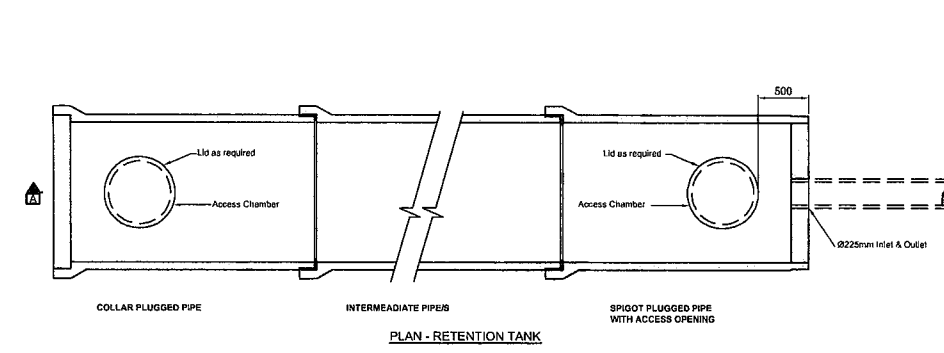
No	AMENDMENTS	DATE	ENG

SURVEY | DESIGN FILE
DRAWING | LEVEL BOOK
DESIGN | CAD REF
CHECKED | DESIGN | REVISION
APPROVED
SCALES: 1:62.5 (A3)
SHEET No.3/7
REVISION | DRAWING NO. 2154

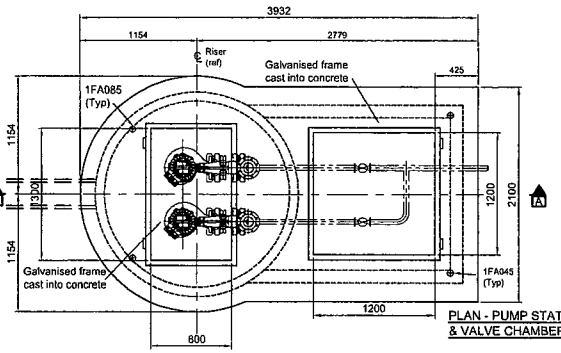
TITLE: WASTE WATER PUMP STATION AT ALLEN STREET, MORRINSVILLE

DETAILS: PLAN SECTIONS OF PUMP STATION AND VALVE CHAMBER

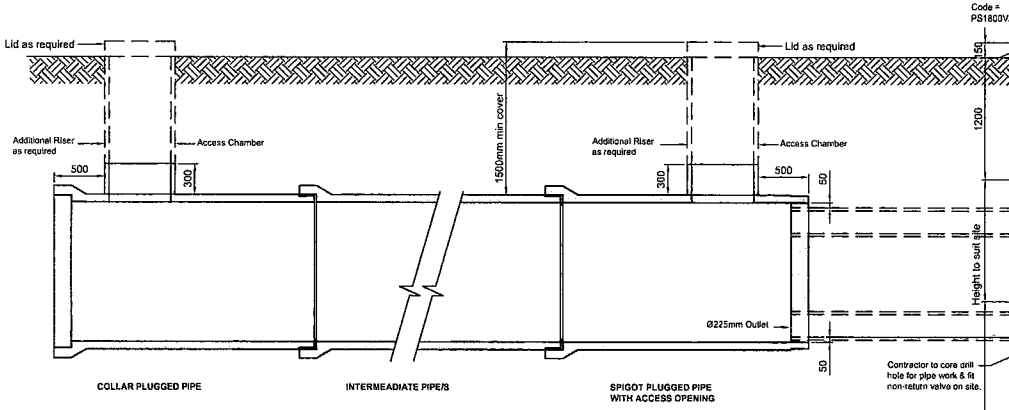
MPDC PS 1



PLAN - RETENTION TANK

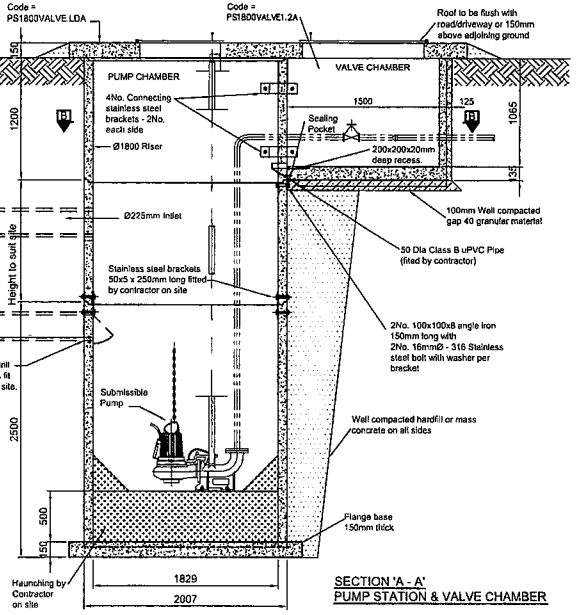


PLAN - PUMP STATION & VALVE CHAMBER



SECTION 'A - A'
RETENTION TANK

NOTE:
DIAMETER, LENGTH & CLASS OF PIPE USED TO SUIT ON-SITE STORAGE REQUIREMENTS.



SECTION 'A - A'
PUMP STATION & VALVE CHAMBER

NOTE:
POSITION AND SIZE OF OPENINGS IN THE LID ARE TO BE ADVISED BY THE CLIENT - DRAWING IS ONLY INDICATIVE.

CONTRACTOR TO MAKE ALL SITE CONSTRUCTED JOINTS WATER RESISTANT

NOTES:

1. Concrete : $f'c$ = 40MPa
2. Reo : fy = Grade 500E
3. Reo Cover : 30mm Min
4. Min Lap Length : 40 x Bar Dia
5. Dimensional tolerances : Table 5.1-NZS3109:1997
6. Do not re-bend reinforcing steel

MATERIALS

VOL (m^3/unit) =

WT (ton/unit) =

CODE =

REVISIONS

REV #:	REVISION DESCRIPTION:	DATE:	DRAWN:

PO Box 58142, Greenmount, Manukau City,
Tel: 09-274 0316
Fax: 09-274 8393
email: techservice@hynds.co.nz

PROJECT DESCRIPTION:

HYNDS STANDARD DRAWING
GREENFIELDS
Ø1800 PUMP STATION & VALVE CHAMBER COMBO

SERVICE DETAIL:

WET WELL & VALVE CHAMBER c/w RETENTION TANK

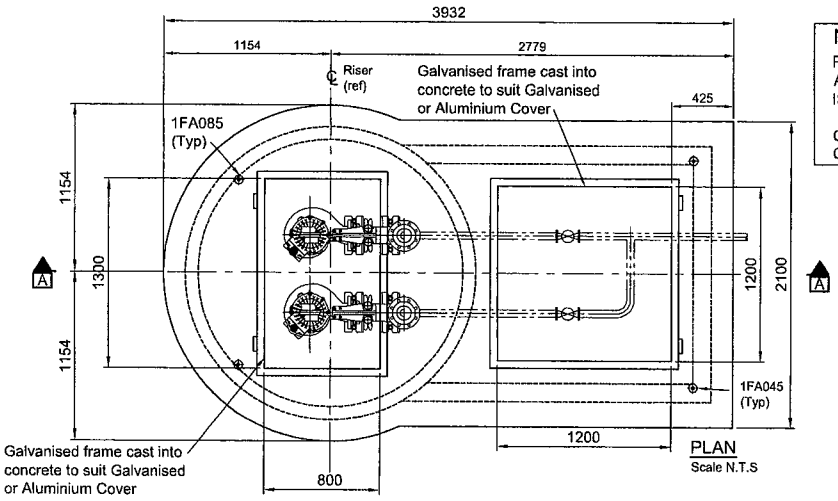
OVERALL GENERAL ARRANGEMENT

REFERENCE/QUOTE NUMBER:	
DRAWN: Z.S	DESIGN: AdS
SIGNATURE:	SIGNATURE:
SCALE: N.T.S	Note: Do not scale dra if in doubt **ASK!!**
PAPER SIZE: A3	

DRAWING NUMBER:

T3014-1

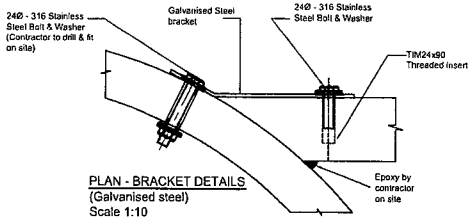
MPDC
PS 2



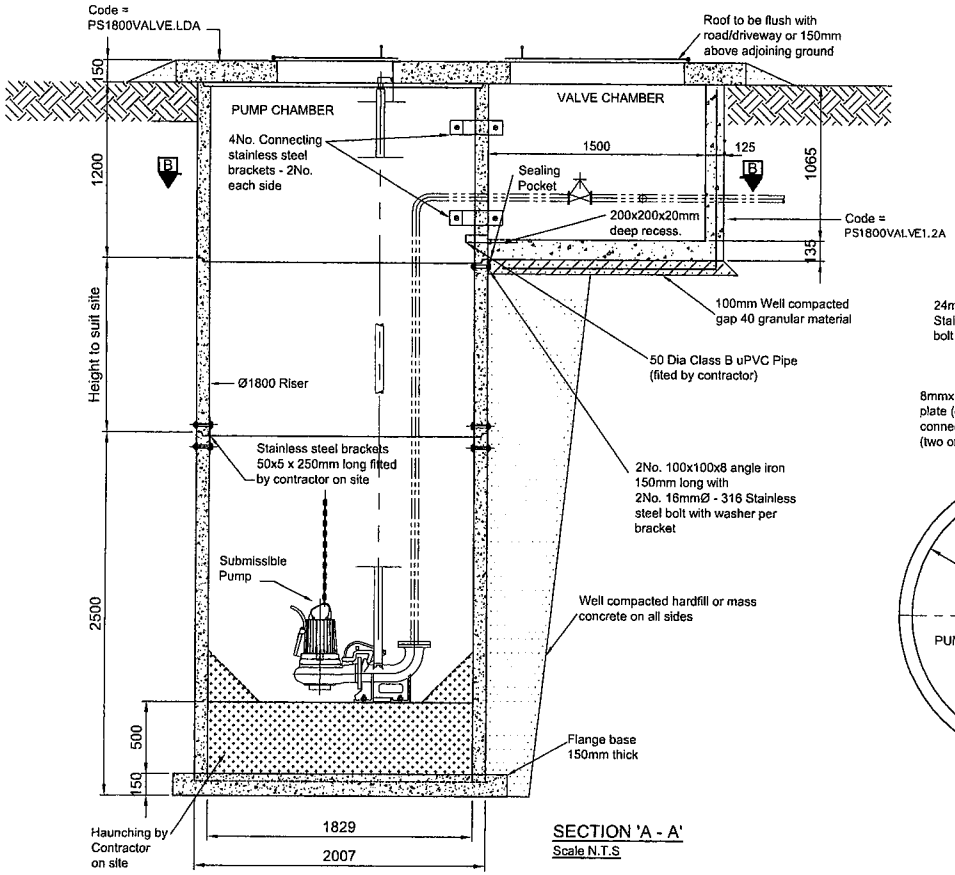
PLAN
Scale N.T.S

NOTE:
POSITION AND SIZE OF OPENINGS IN THE LID ARE TO BE ADVISED BY THE CLIENT - DRAWING IS ONLY INDICATIVE.

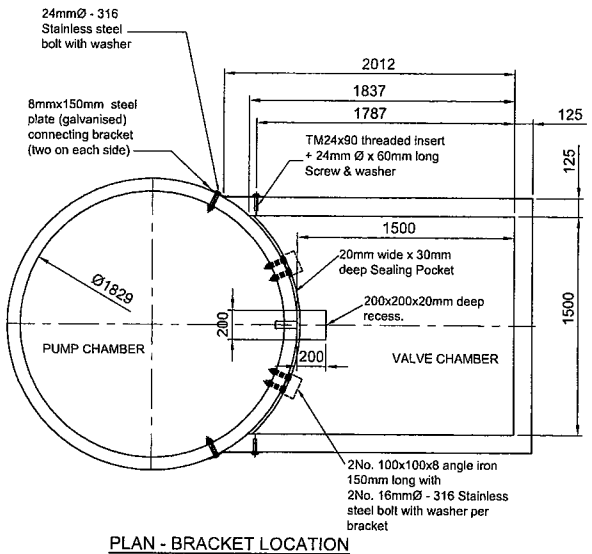
CONTRACTOR TO MAKE ALL SITE CONSTRUCTED JOINTS WATER RESISTANT



PLAN - BRACKET DETAILS
(Galvanised steel)
Scale 1:10



SECTION 'A - A'
Scale N.T.S



PLAN - BRACKET LOCATION DETAIL

NOTES:

1. Concrete : $f'c$ = 40MPa
2. Reo : fy = Grade 500E
3. Reo Cover : 30mm Min
4. Min Lap Length : 40 x Bar Dia
5. Dimensional tolerances : Table 5.1-NZS3109:1997
6. Do not re-bend reinforcing steel

MATERIALS

VOL (m^3/unit) =

WT (ton/unit) =

CODE =

REVISIONS

REV #:	REVISION DESCRIPTION:	DATE:	DRAWN:

PO Box 58142, Greenmount, Manukau City,
Tel: 09-274 0316
Fax: 09-274 8393
email: techservice@hynds.co.nz

PROJECT DESCRIPTION:
HYNDS STANDARD DRAWING
GREENFIELDS
Ø1800 PUMP STATION & VALVE CHAMBER COMBO

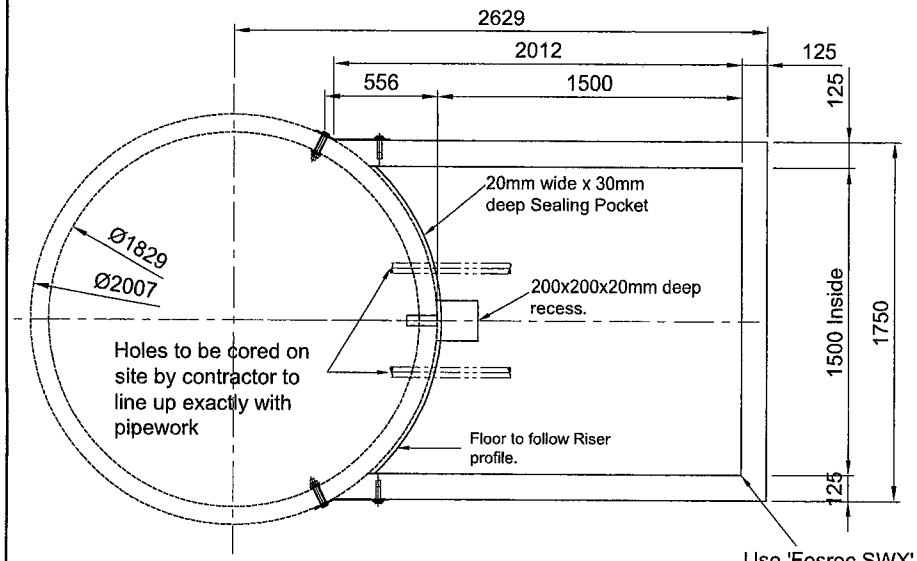
SERVICE DETAIL:
WET WELL & VALVE CHAMBER

GENERAL ARRANGEMENT

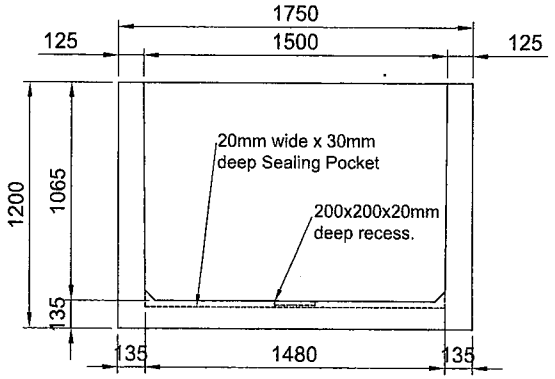
REFERENCE/QUOTE NUMBER:	
DRAWN: Z.S	DESIGN: AdS
SIGNATURE:	SIGNATURE:
SCALE: N.T.S	Note: Do not scale dra if in doubt **ASK!!**
PAPER SIZE: A3	

DRAWING NUMBER:
T3014-2

MPDC
PS 3



SECTION 'B - B'
Scale 1:25



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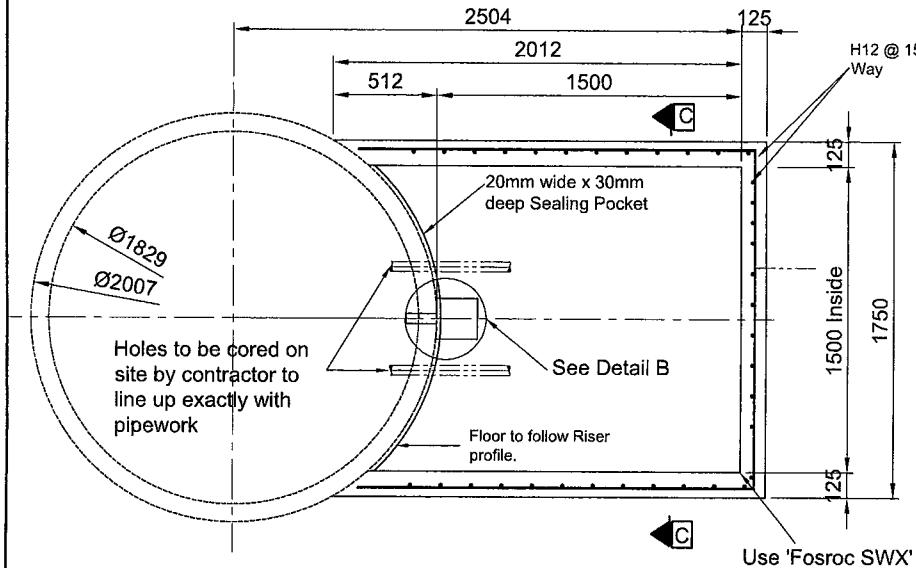
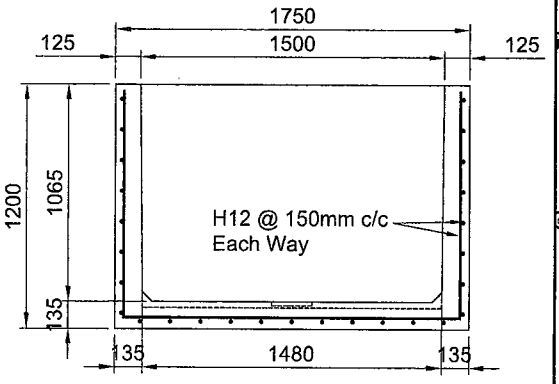
Scale 1:25
Code: PS1800VALVE1.8A



REO SECTION 'B - B'
Scale 1:25



REO SECTION 'C - C'
Scale 1:25
Code: PS1800VALVE1.8A

NOTES:

1. Concrete : $f'c$ = 40MPa
2. Reo : fy = Grade 500E
3. Reo Cover : 30mm Min
4. Min Lap Length : 40 x Bar Dia
5. Dimensional tolerances : Table 5.1-NZS3109:1997
6. Do not re-bend reinforcing steel

MATERIALS

VOL (m^3/unit) =

WT (ton/unit) =

CODE =

REVISIONS

REV #:	REVISION DESCRIPTION:	DATE:	DRAWN:

PO Box 58142, Greenmount, Manukau City,
Tel: 09-274 0316
Fax: 09-274 8393
email: techservice@hynds.co.nz

PROJECT DESCRIPTION:

HYNDS STANDARD DRAWING
GREENFIELDS
Ø1800 PUMP STATION & VALVE
CHAMBER COMBO

SERVICE DETAIL:

WET WELL & VALVE CHAMBER

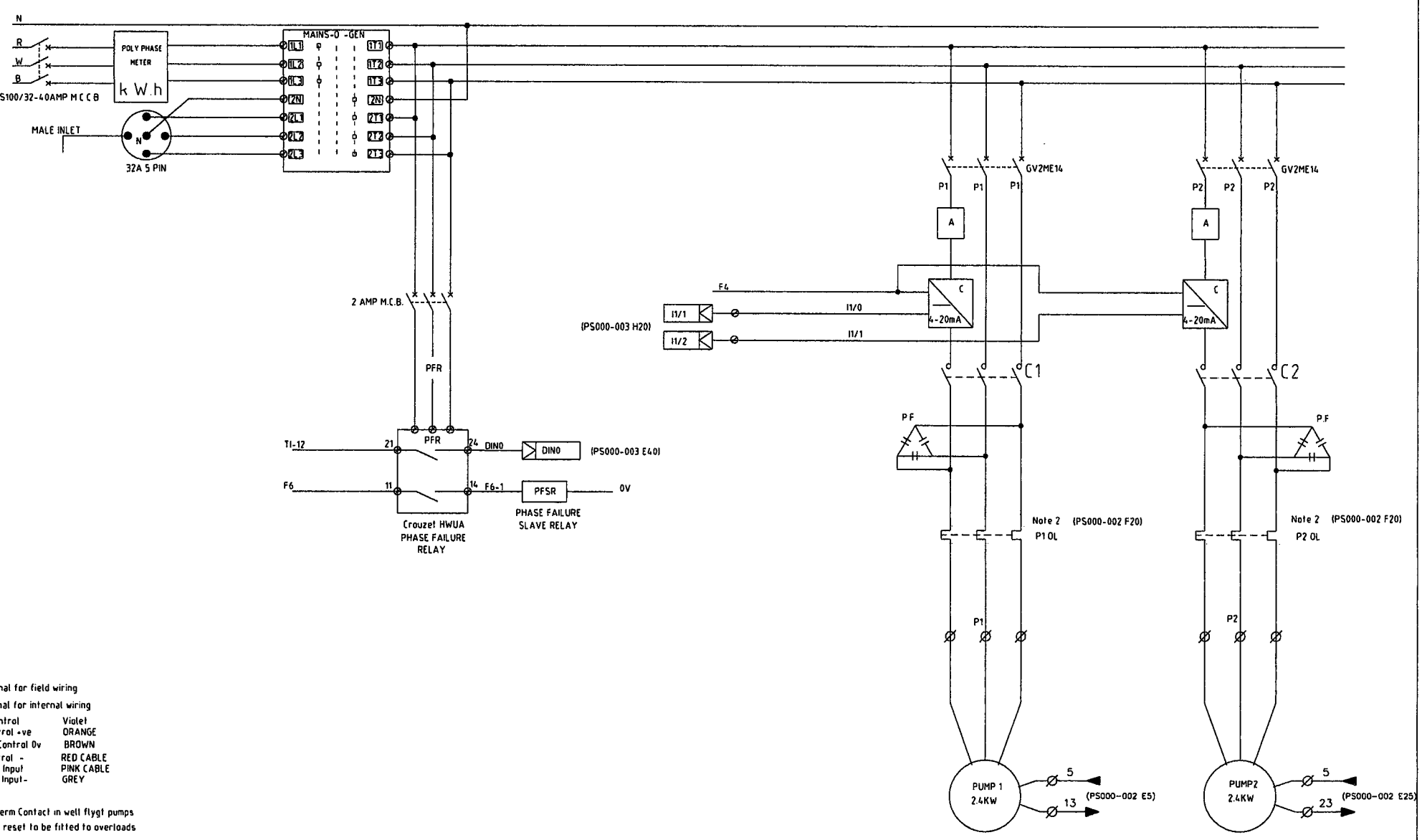
CHAMBER DETAILS

REFERENCE/QUOTE NUMBER:	
DRAWN: Z.S	DESIGN: AdS
SIGNATURE:	SIGNATURE:
SCALE: N.T.S	Note: Do not scale dra
PAPER SIZE: A3	if in doubt **ASK!!**

DRAWING NUMBER:

T3014-3

MPDC
PS 4



- Terminal for field wiring
- Terminal for internal wiring

24vDC Control	Violet
12vdc Control +ve	ORANGE
12/24vdc Control 0v	BROWN
230V. Control -	RED CABLE
Telemetry Input	PINK CABLE
Analogue Input-	GREY

NOTES:

1: Microtherm Contact in well flygt pumps

2: Remote reset to be fitted to overloads

Drawing Originator

city care

2 TRUMAN RD, Te MAUNGA, TAURANGA
PO BOX 10290, BAYFAIR, MT MAUNGANUI
Phone 07 927 7100, Fax 07 927 7101

PRINCESS STREET SEWAGE PUMP STATION
STATION 00
MOTOR CONTROL

MATAMATA PIAKO DISTRICT COUNCIL

23411011 - 2 X 2.4KW

DATE	REVISION	
21/05/08	First Review	A
29/05/08	For Construction	B
23/05/11	As Built	C
		D
		E

REVISION C

DESIGNED: K.H.

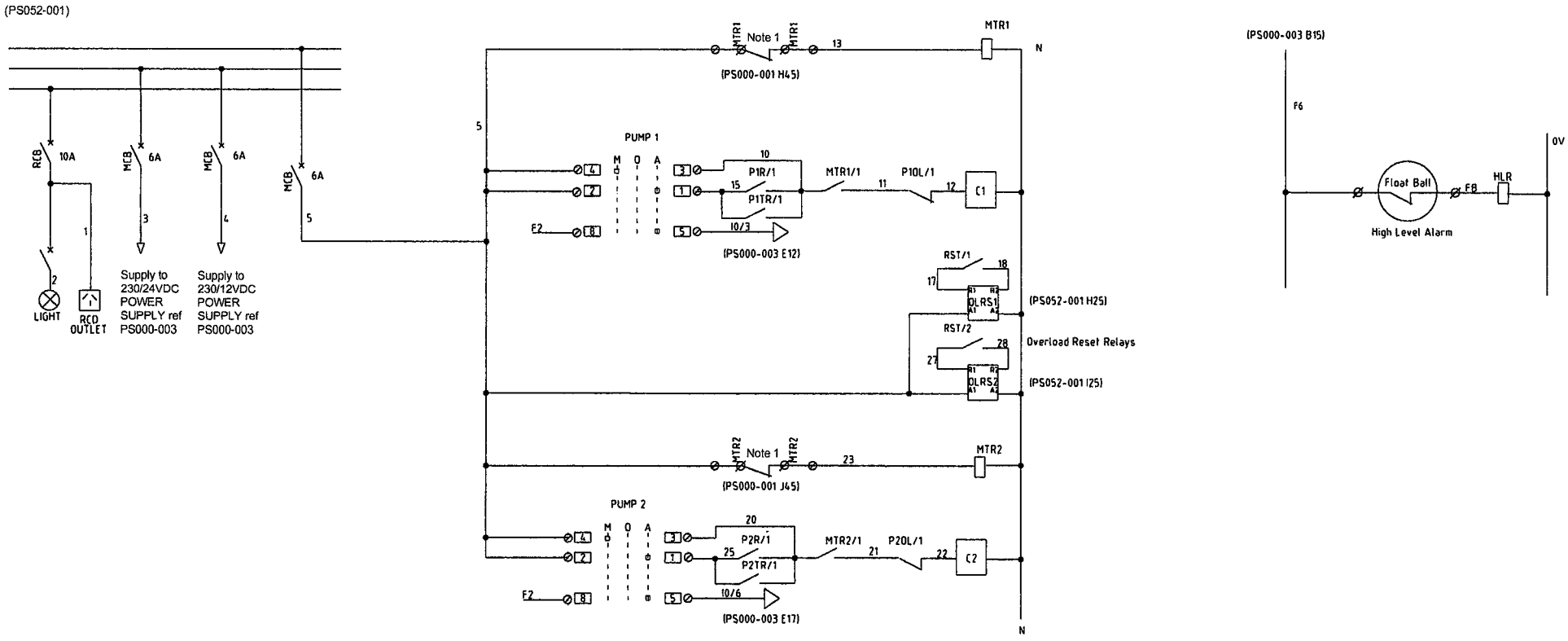
DRAWN: IM

APPROVED: 29/05/08

SHEET: 1

MPDC
PS 5

PUMP CONTROLS



Ø Terminal for field wiring
⊘ Terminal for internal wiring

24vDC Control	Violet
12vdc Control +ve	ORANGE
12/24vdc Control 0v	BROWN
230V. Control -	RED CABLE
Telemetry Input	PINK CABLE
Analogue Input-	GREY

NOTES.

1. Microtherm Contact in well flygt pumps.

Drawing Originator

city care

2 TRUMAN RD, Te MAUNGA, TAURANGA
PO BOX 10290, BAYFAIR, MT MAUNGANUI
Phone 07 927 7100, Fax 07 927 7101

PRINCESS STREET SEWAGE PUMP STATION
STATION 00
MOTOR CONTROL

MATAMATA PIAKO DISTRICT COUNCIL
23411011 - 2 X 2.4KW

DATE	REVISION	
21/05/08	First Review	A
29/05/08	For Construction	B
23/05/11	As Built	C
		D
		E

REVISION C

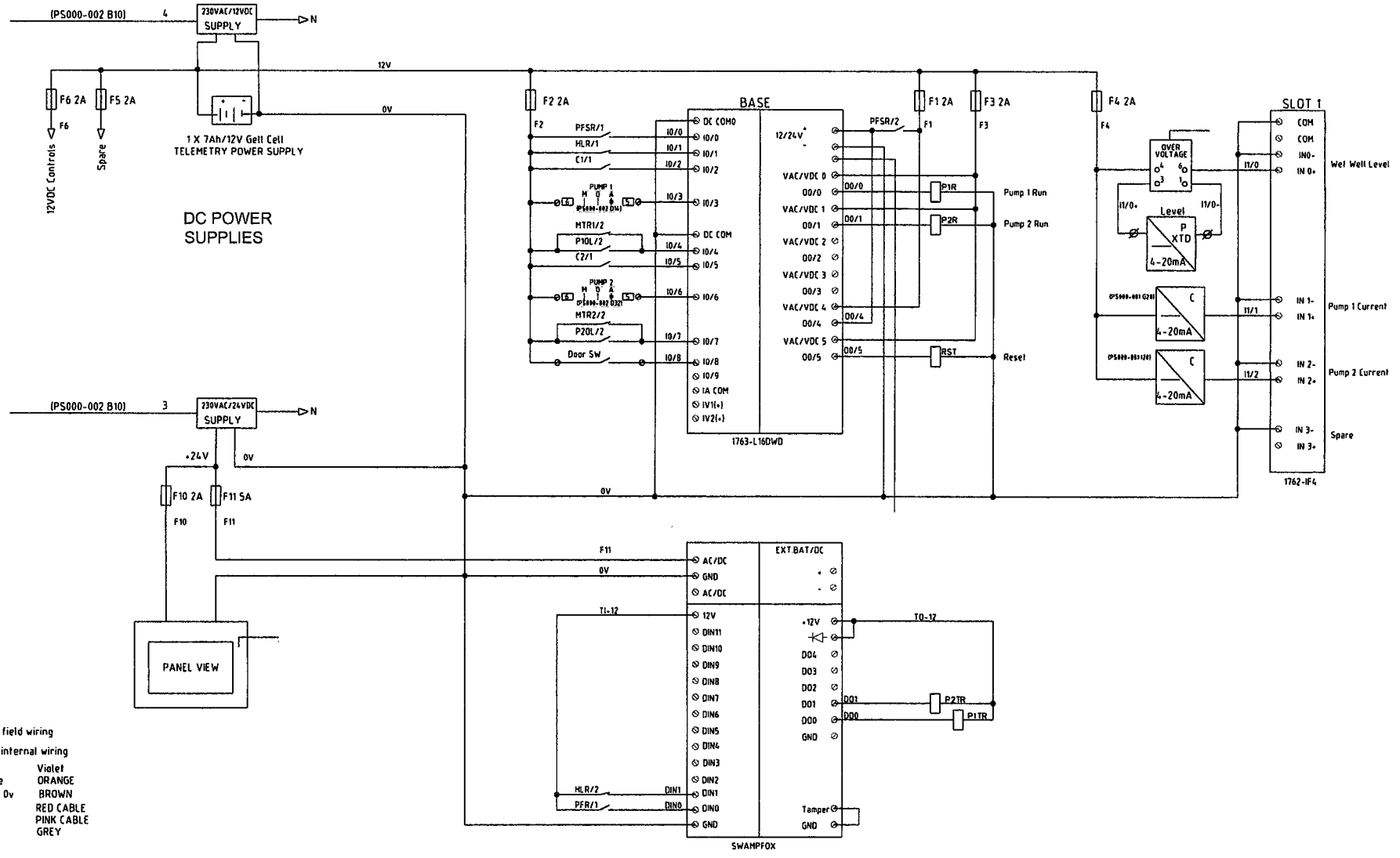
DESIGNED: K.H.

DRAWN: IM

APPROVED: 29/05/08

SHEET: 2

MPDC PS 6



Drawing Originator

city care

2 TRUMAN RD, Te MAUNGA, TAURANGA
PO BOX 10290, BAYFAIR, MT MAUNGANUI
Phone 07 927 7100, Fax 07 927 7101

PRINCESS STREET SEWAGE PUMP STATION
STATION 00
TELEMETRY AND CONTROL

MATAMATA PIAKO DISTRICT COUNCIL
23411011 - 2 X 2.4KW

DATE	REVISION	
21/05/08	First Review	A
29/05/08	For Construction	B
23/05/11	As Built	C
		D
		E

REVISION C

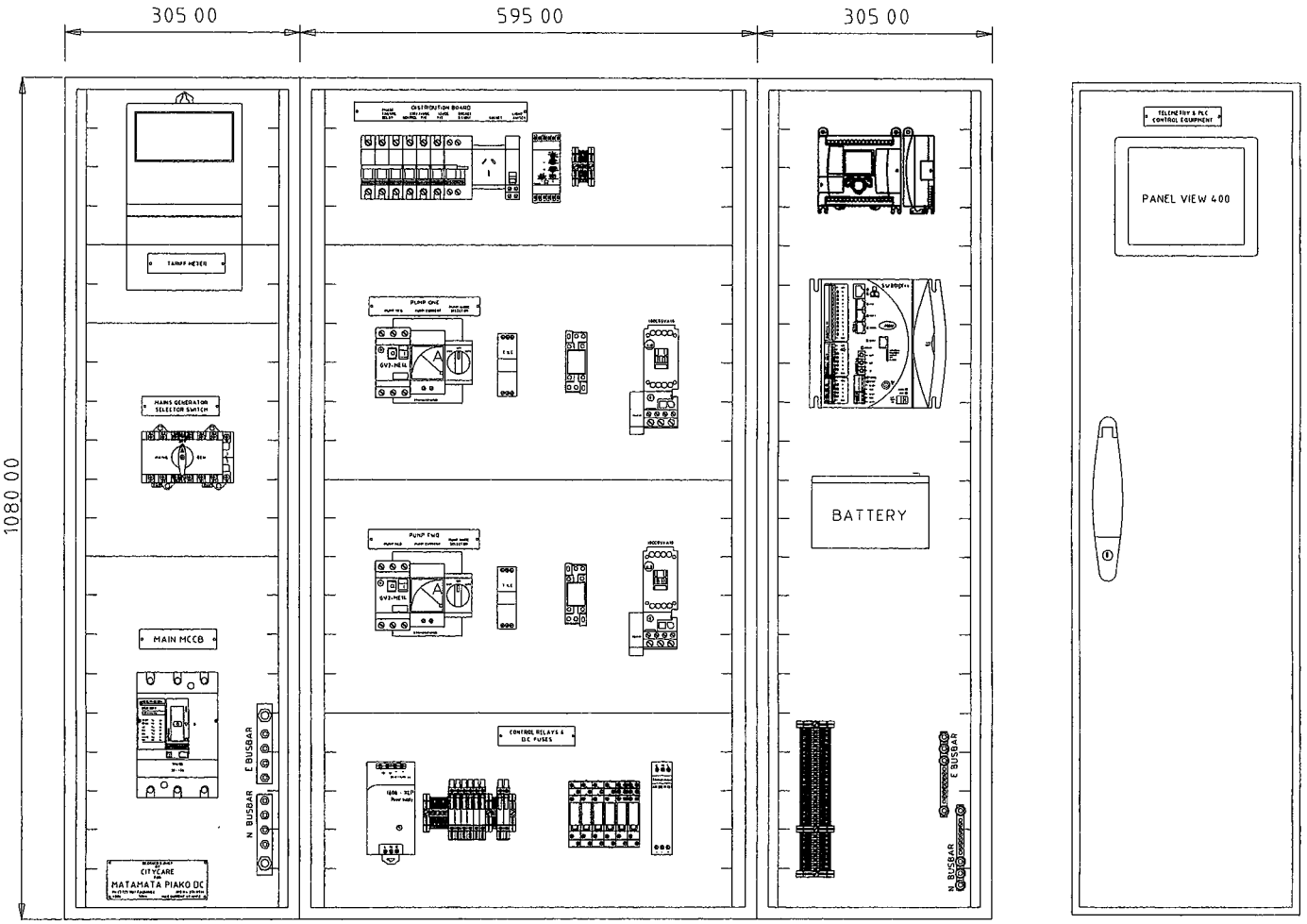
DESIGNED: K.H.

DRAWN: IM

APPROVED: 29/05/08

SHEET: 3

MPDC
PS 7



Drawing Originator

city care

2 TRUMAN RD, Te MAUNGA, TAURANGA
PO BOX 10290, BAYFAIR, MT MAUNGANUI
Phone 07 927 7100, Fax 07 927 7101

PRINCESS STREET SEWAGE PUMP STATION
STATION 00
CABINET LAYOUT

MATAMATA PIAKO DISTRICT COUNCIL

23411011 - 2 X 2 4KW

DATE	REVISION	
21/05/08	First Review	A
29/05/08	For Construction	B
23/05/11	As Built	C
		D
		E

REVISION C

SHEET. 4

DESIGNED: K.H.

DRAWN IM

APPROVED 29/05/08

MPDC

PS 8