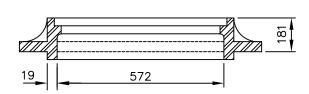
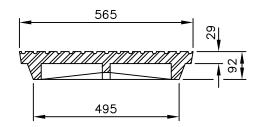




COVER

70 kg

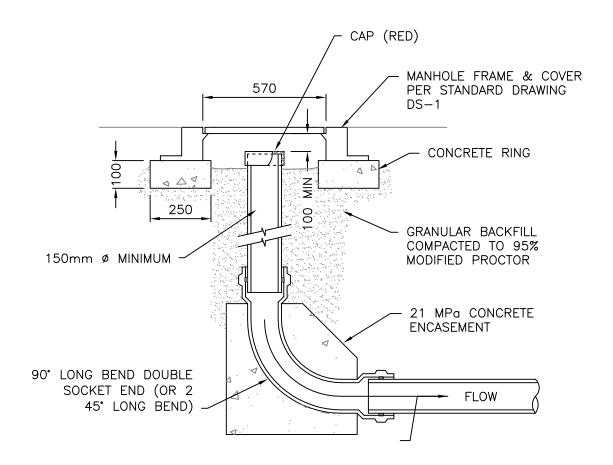




# NOTES:

- 1. LETTERING SHALL BE 25mm FLATTENED FACE GOTHIC LETTERING WITH FACE OF LETTERS RAISED TO THE SAME LEVEL AS THE TOP OF THE RIBS.
- 2. BOTH FRAME AND COVER SHALL BE MACHINED FOR A NONROCKING FIT IN ALL POSITIONS.
- 3. ALTERNATES TO THE DOBNEY C-18 SHOWN ABOVE ARE ANY, DIMENSIONALLY SIMILAR APPROVED COVER AND FRAME.
- 4. CARRIAGE BOLTS SHALL BE LOOSELY FITTED INTO THE COVER'S LIFTING PORTS.

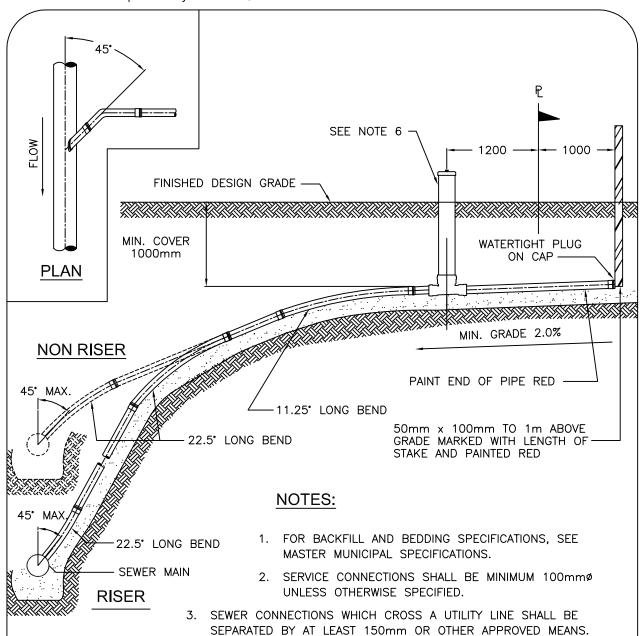




BASE - 75 mm GRAVEL COMPACTED TO 95% MODIFIED PROCTOR

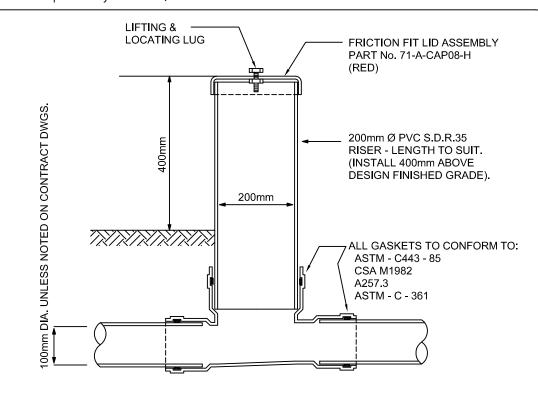
- 1. MAXIMUM DEPTH 2.0 m
- 2. MINIMUM DEPTH 1.0 m
- 3. APPLICABLE ONLY FOR SANITARY TERMINAL LINES, TEMPORARY USE ONLY



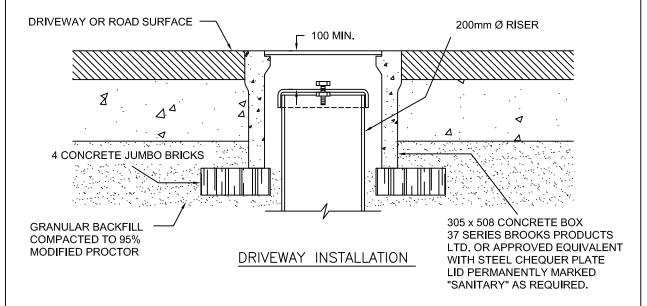


- 4. RISER TYPE SERVICE TO BE USED ONLY WHERE SERVICE IS GREATER THAN 2.5m ABOVE THE WYE INVERT OR WHERE APPROVED BY THE ENGINEER.
- 5. MANUFACTURED WYES ONLY.
- 6. SEE STANDARD DRAWING DS-4 FOR INSPECTION CHAMBER STANDARD AND DRIVEWAY INSTALLATION SPECIFICATIONS.
- 7. IN ALL URBAN AREAS WITH NEW CONCRETE CURB & GUTTER, THE LOCATION OF THE SANITARY SEWER SERVICE SHALL BE CLEARLY IDENTIFIED WITH THE LETTER 'S' ON THE FACE OF THE CURBING. THE LETTER IS TO BE 50mm HIGH PERMANENTLY AND CLEARLY CAST INTO THE CONCRETE AT TIME OF POURING. IN AREAS OF EXISTING CONCRETE CURBING, THE SERVICE LOCATION SHALL BE IDENTIFIED WITH A 6mm DEEP SAW CUT PAINTED RED ON THE TOP FACE OF THE EXISTING CURB.

SANITARY SEWER SERVICE CONNECTION					
SANITART SEWER SERVICE CONNECTION	REVIS	ED:	03/12	APPR	OVED:
CITY OF	APPR	OVED	):		DWG. NO.
CHILLIWACK	DATE:		06/	/94	DS-3 /
	DRAW	N:	SE	ΞH	



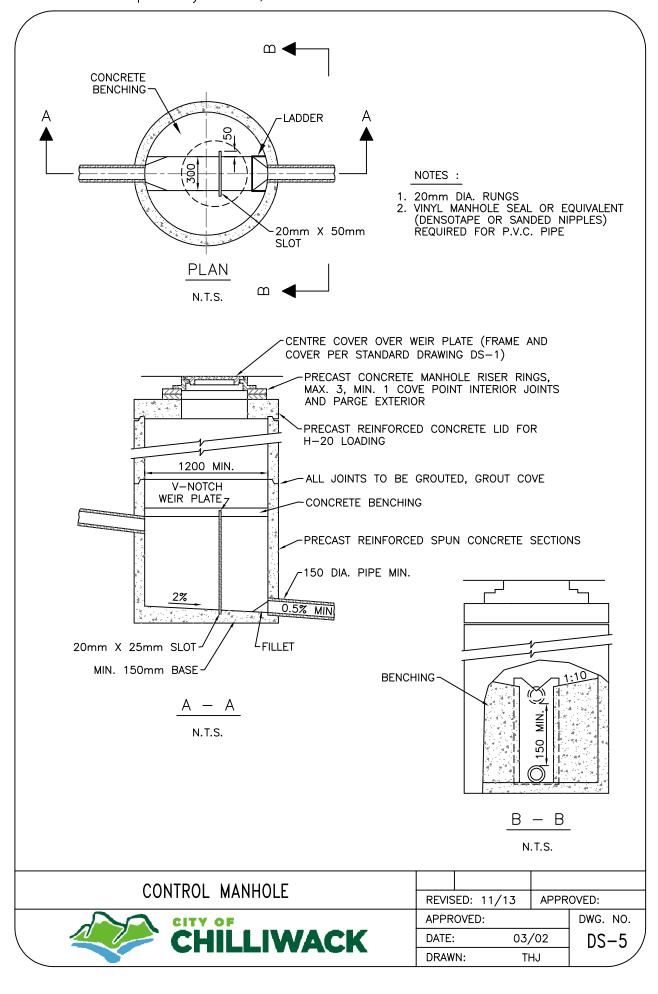
# STANDARD INSTALLATION

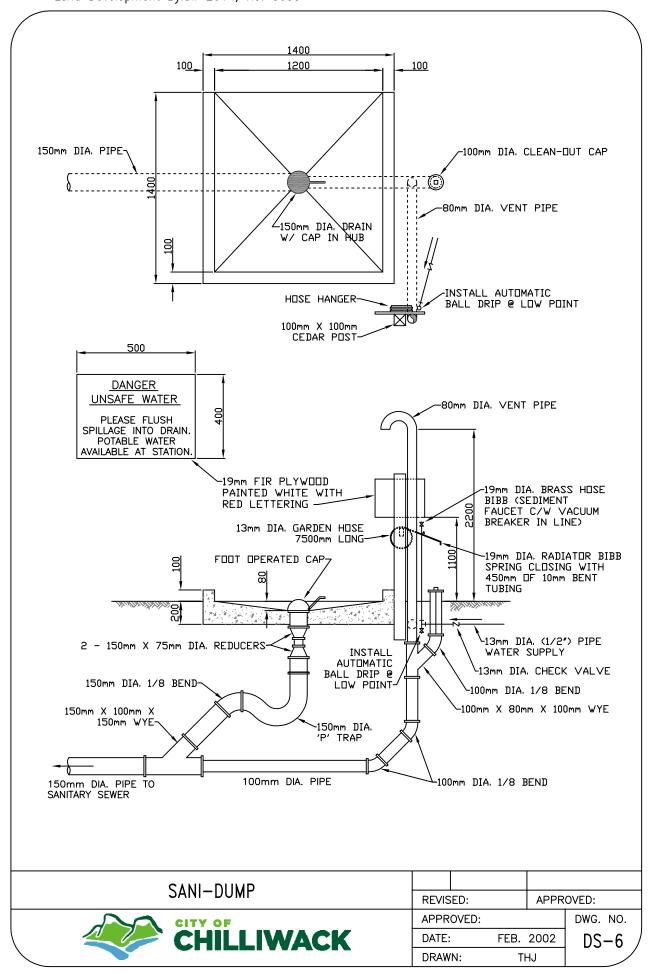


# NOTES:

- INSPECTION CHAMBER LERON PLASTICS No. 70A4W/OPAF (SINGLE)/70A44W/OP (DOUBLE)
   OR APPROVED EQUAL.
- 2. MINIMUM DEPTH 1.0m FROM DESIGNED FINAL GRADE.
- 3. MAXIMUM DEPTH 1.2m FROM DESIGNED FINAL GRADE.

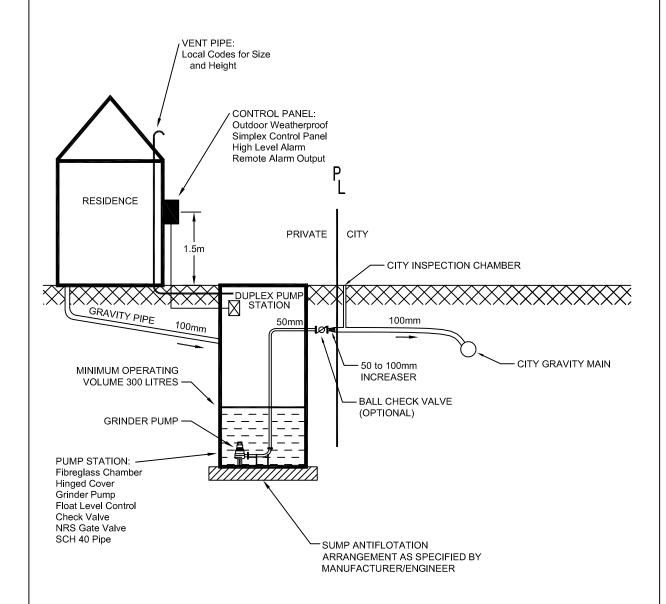
INSPECTION CHAMBER FOR 100mm				
SANITARY SEWER CONNECTION	REVIS	ED:	APPR	OVED:
CITY OF	APPR	OVED:		DWG. NO.
CHILLIWACK	DATE	06/	/94	DS-4 /
	DRAW	/N: SE	ΞH	





# SCHEMATIC DESIGN ONLY VENT PIPE: Local Codes for Size and Height CONTROL PANEL: Outdoor Weatherproof Simplex Control Panel High Level Alarm Remote Alarm Output RESIDENCE PRIVATE CITY 1.5m BALL CHECK VALVE GRAVITY PIPE 1.0m VALVE 100mm MINIMUM DUPLEX PUMP STATION CHAMBER 50mm 101001001 MINIMUM OPERATING **VOLUME 300 LITRES** GRINDER PUMP -50mm GATE VALVE-PUMP STATION: -CITY FORCE MAIN: Fibreglass Chamber CONNECTION TO MUNICIPAL Hinged Cover FORCE MAIN BY CITY FORCES Grinder Pump FROM P/L TO MAIN Float Level Control 2 BALL TYPE VALVES Check Valve NRS Gate Valve VALVE CHAMBER: SCH 40 Pipe By City forces PVC Ball Type Check Valve 2 Ball Valves Fittings with Ball Valve SUMP ANTIFLOTATION Minimum Size of Chamber ARRANGEMENT AS SPECIFIED BY to be 1050mm Wide MANUFACTURER/ENGINEER NOT TO SCALE TYPICAL SANITARY FORCE MAIN SERVICE CONNECTION REVISED: 08/13 APPROVED: DL APPROVED: DWG. NO. DATE: 06/00 DS-7DRAWN: SEH

# SCHEMATIC DESIGN ONLY



\* Can be installed inside existing septic tank with limitations. Existing septic system discharge lines to be physically disconnected from tank. Any remaining tank volume to be backfilled with sand or gravel.

NOT TO SCALE

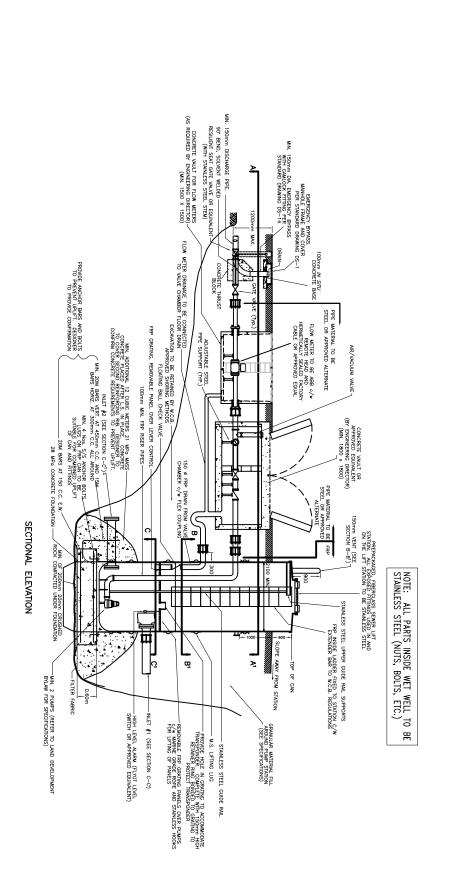
TYPICAL RESIDENTIAL SANITARY PUMP STATION
FOR GRAVITY SEWER CONNECTION

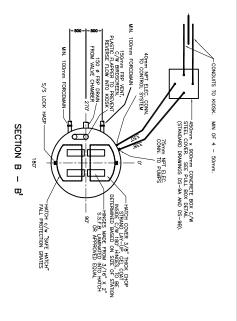
REVISED: 11/13 APPROVED: CN

APPROVED: DWG. NO.

DATE: 11/10
DRAWN: SEH

DRAWN: SEH

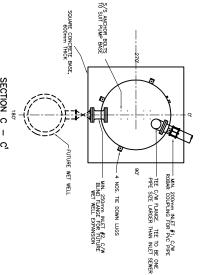


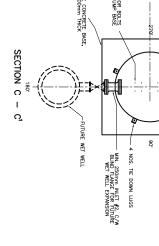


NOT FOR CONSTRUCTION

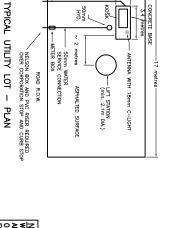
THIS DRAWING IS PROVIDED TO DEFINE CITY OF CHILLIWACK MINIMUM REQUIREMENTS. LAYOUT AND DETAILS TO BE

CONFIRMED DURING DETAILED DESIGN.



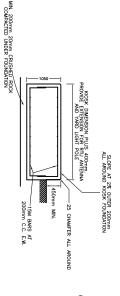












KIOSK FOUNDATION DETAILS

PROVIDE THE FOLLOWING THROUGH DUT'S GUT OF KOSK FOUNDATION:

2 - Somm & FOR PLAY FOR PAYER CONNECTION

1 - Somm & FOR ROW FOR SUPPLY

1 - Somm & FOR ROW CONTROL WIND FOR ROW KOSK

1 - 40mm & FOR ROW ATTENNA FROM KIGSK

1 - 25mm & FOR ROW FOR FROM KIGSK

1 - 25mm & FOR LUAP POST

1 - DURER LUAP FOST

1

APPR.

RESILIENT SEAT GATE WALVE OR EQUIVALENT (WITH STAINLESS STEEL STEM)

F x F GATE VALVE (WITH STAINLESS STEEL STEM) (Typ.)

SPOOL PIECE F x F SINKING BALL CHECK VALVE

180.

ALL GRATINGS TO BE FIBREGLASS
SAFE-T-GRATES BY SEASAFE OR
APPROVED EQUAL

SECTION A - A1

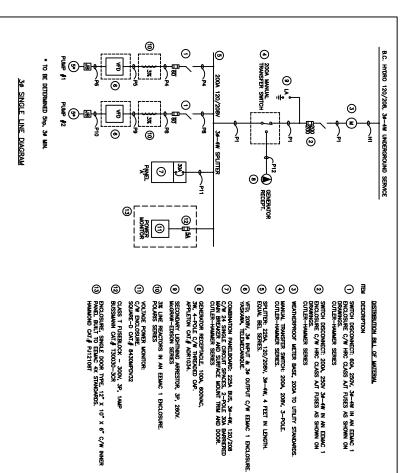
DESIGNED .
DRAWN .
CHECKED .
DATE .
HORIZ. .
VERT. .

CHILLIWACK

SEWAGE LIFT STATION

DS-9

DWG. NO.



PANEL A							6	LOCATION KIOSK	KIOSK	
120/208 V. 3PH. 4W 225A. 10,000A. IC BKRS. @ 120V	4W :	225 A.	NAINS	: 304	-	AN B	MAINS: 30A MAIN BREAKER			
DESIGNATION	Ę.	N O	скт.	BKR.	_	CKT.	BKR.	Ņ.		DESIGNATION
	3	RECPT.	TRIP	NO.	_	NO.	TRIP	RECPT	(₩)	
LTG./RECEPT.			15	1	А	2	15			CONTROL PANEL
HEATER RECEPT			15	3	В	4	15			SPARE
				5	С	6	15			SPARE
				7	А	8				
				۰	▣	ō				
				Ξ	С	12				
				13	А	14				
				15	В	16				
				17	C	<del>-</del>				
				5	Α	8				
				21	В	22				
KIOSK EXHUST FAN (EF2)			15	23	С	24	5			FLOWMETER

1 178mm   1   1   1   1   1   1   1   1   1	SIDE	25mm? X 900mm	CONCRETE TO BE 28MPo AT 28 DAYS	CENTRE OF HAND HOLE TO BE 300mm ABOVE BASE PLATE AND 90" TO CLIRE SURFACE 25mm X 45" CHAMFER
13mm SEMERCHARE DRAWGE CHANGE 178mm 178mm 178mm 178mm 178mm	SIDE VIEW	PROVIDE OPENING IN PAO TO DEPENING IN PAO TO DAY GROUND ROD. BOND TO POLE.	NOTE: COMPACTION AROUND BASE TO 95% MODIFED PROCTOR: A 1050mm	AS SHEE COPPER CONNECT TO GROUND ROD Thum Storm TYP.

COMPOSITE INVISCOULT AND THE PROPERTY AND CO.	707	OLINOCOMO IXMIN. FOR			ŀ	3
COMPONENT TRANSPILITED CARLE + 46 OREEN BROOK!	DCD INDIC			•	•	
CARLE BY CITY OF CHILLIWACK	OIGAN AGADS		٦ ۱			C102
(FLOOD LIGHT)	HOLLMS LHOTH	ANTENNA POLE	27 mm			C101
TA(501,502) COMPOSITE CABLE TO BE FACTORY POTTED, SUPPLIED WITH FLOWMETER (10 METERS IN LENGTH)	PCP	FLOWMETER	27 mm			C12
TA(601A,601B)	PCP	PUMP ∯2 VFD	21 mm	<b>∮</b> 18	2pr.	C11
TA(600A,600B)	PCP	PUMP ∯1 VFD	21 mm	<b>∮</b> 18	2pr.	C10
TA(1,54,55), STUB AND CAP, BELOW MTS IN KIOSK	KIOSK	FUTURE GENSET	27 RPVC	٠		ŝ
TA(1,56,57,58), STUB AND CAP	PCP	FUTURE GENSET	27 RPVC	٠		8
TA(1,35,44,45,117,118,119,120)	PCP	PUMP #2 VFD	27 mm	<b>\$</b> 14	12	9
TA(1,34,40,41,112,113,114,115)	PCP	PUMP #1 VFD	27 mm	<b>\$</b> 14	12	g
TA(150,151)	PCP		RP(C	<b>#</b> 14	2	ß
REFER TO NOTE 2	ULTRASONIC TXMTR.	LIFT STATION				₽
TA(204,205,207,208) HI TEMP & LEAK PUMP SENSOR	PCP	REACTOR PANEL	_	<b>#</b> 14		ឩ
TA(1,32)	PCP	POWER MONITOR	21 mm	<b>#</b> 12		ន
TA(L1,N)	PANEL 'A'	PCP	21 mm	<b>#</b> 12	2	3
	MANUAL TRANSFERS SW.	GENSET RECEPT.	21 mm	•	•	P12
	SPLITTER	PANEL 'A'	21 mm	•	3	P11
COMPOSITE PUMP CABLE	VFD #2	P-2	53 mm	•	3	P10
	REACTOR #2	VFD #2	21 mm	•	4	P9
	P-2 DISCONNECT	REACTOR #2	21 mm		3	P8
	SPLITTER	P-2 DISCONNECT	21 mm		2	P7
COMPOSITE PUMP CABLE	VFD #1	P-1	21 mm	*	3	P6
	REACTOR #1	VFD <b>#</b> 1	53 RPVC	٠	3	P5
	P1 DISCONNECT		21 mm	٠	3	P4
	SPLITTER	P1 DISCONNECT	21 mm	٠	3	P3
STUB AND CAP BOTH ENDS, BELOW MTS IN KIOSK	KIOSK	L	53 RPVC	٠	•	2
	METER	DISC. SW./MTS/SPUTTER METER	53 mm	•	•	2
BURIED DB2, RIGID IN KIOSK, HYDRO CONDUCTORS	BATS		103 RIGID METER	•		Ħ
REMARKS	FROM	01	SIZE	CONDUCT	NO. CONDUCT	CABLE NO.
CABLE SCHEDULE						

TERMINED
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- NOTES:

  1. LETAL POLE FOR RADIO ANTENNA TO BE HOT-DEPED GALVANIZED C/W HAND HOLE. TOP TO BE SALED TO WEATHER, LENETH 25th. WOUNT ON STANDARD DASE.

  2. LITASCHINE LEGAL CONTROL UNIT, 120MCC C/W 3 FORM C, SPOT RELAYS RATED SA. DELAY, TO NOW POLE NS SERVES.

  2. LITASCHINE LEGAL CONTROL UNIT, 120MCC C/W 3 FORM C, SPOT RELAYS RATED SA. DELAY CONTROL UNIT, 120MCC C/W 3 FORM C, SPOT SERVES.

  2. LITASCHINE LEGAL CONTROL UNIT MULTIPONICS MULTI

# OT FOR CONSTRUCTION

NOTE:
THIS DRAWING IS PROVIDED TO DEFINE CITY OF CHILLIWACK
MINIMUM REQUIREMENTS. LAYOUT AND DETAILS TO BE CONFIRMED DURING DETAILED DESIGN.

VERT	HORIZ.	DATE	CHECKED	DRAWN	DESIGNED	
				2		

09.09.28 REVISED AS PER CITY OF CHILLIWACK

BY APPR.
KG KG
SEH BK/SH

TOP OF ANTENNA POLE ELEVATION ELEVATION

2-53mm POWER 2-53mm CONTROL

TYPICAL LIFT STATION
PULL BOX SECTION
(NO SPLICES IN BOX)

MEI MEIL

2-53mm POWER 2-53mm CONTROL

NIPPLE C/W

BLOCK (9)

) (4x) 1/4°¢

STEEL BOLT-DOWN

BOND BOX TO GROUND

BROOKS CAT.# 66

53mm RIGID CONDUIT

PROVIDE STEEL PLATE
AND PIPE TO MOUNT
TO TOP OF METAL
POLE. PAINT TO MATCH
POLE.

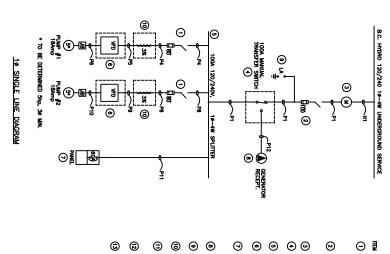






TYP. 3ø EL (208V) SEWAGE LIFT STATION ECTRICAL DISTRIBUTION

DWG. NO.

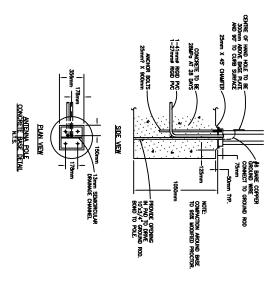


- DISTRIBUTION BILL OF MATERIAL DESCRIPTION
- SWITCH DISCONNECT: 80A, 250V, 16—3W IN AN EEMAC 1 ENCLOSURE C/W HRC CLASS ATT FUSES AS SHOWN ON DRAWNICS. CUTLER—HAMMER SERIES
- SWITCH DISCONNECT: 100A, 250V 39-4W IN AN EEMAC 1 ENCLOSURE C/W HRC CLASS AJT FUSES AS SHOWN ON DRAWNAS.
  CUTLER-HAMMER SERIES
- WEATHERPROOF METER BASE, 100A TO UTILITY STANDARDS.
  MANUAL TRANSFER SWITCH: 100A, 208V, 3-POLE.
  CUTLER-HAMMER SERIES.
- SPLITTER: 100A, 120/240V, 14-4W, 4 FEET IN LENGTH. EQUAL BEL SERIES.
- VFD; 240V, 19 INPUT & 39 OUTPUT C/W EEMAC 1 ENCLOSURE. YASKAWA, TELEMECANIQUE.
- COMBINATION PANELBOARD: 100A BUS, 19—3W, 120/240 C/W 12 SINGLE CIRCUIT SPACES, 2—POLE 30A BARRERED MAIN BREACER MOUNT TRIM AND DOOR, CUTLER-HAMMER SERIES GENSET RECEPTACLE: 100A, 3W-4P APPLETON CAT.# ADR1034.
- SECONDARY LIGHTNING ARRESTOR, 3P, 260V. McGRAW-EDISON SERIES
- RELAY; 240VAC 16
  POTTER BRUMFIELD CAT. KRP11AG-240
  SOCKET: RELCO CAT. S2-B 3% LINE REACTORS IN AN EEMAC 1 ENCLOSURE. POLARIS SERIES
- ENCLOSURE, SINGLE DOOR TYPE, 12" X 10" X 6" C/W INNER PANEL BUILT TO EEMAC 4X STANDARDS.

  HAMMOND CAT.# PJ12106T CLASS T FUSEBLOCK - 300V, 3P, 1AMP BUSSMANN CAT. T30030-3CR

PANEL A							5	LOCATION KIOSK	KIOSK	
120/240 V. 1PH. 3V 10,000A, IC BKRS. @ 120V	3W 125 A. 120V	25 A.	MAINS: 60A MAIN BREAKER	604	_	MAN 8	REAKER			
DESIGNATION	dvón	NO.	CKT.	BKR.	_	CKT. BKR.	BKR.	.oN	DÝO	NOLLYNDISED
	æ	RECPT.	幕	NO.		NO.	TRIP	RECPT.	3	
LTG./RECEPT.			15	1	A	2	15			CONTROL PANEL
HEATER RECEPT			15	3	В	4	15			SPARE
				5	A	6	15			SPARE
				7	В	8				
				9	A	10				
KIOSK EXHAUST FAN (EF2)			5	=	œ	B 12	5			FLOWMETER

P1 P2 P3 P4 P6 P6 P7 P11 P12



2-53mm POWER 2-53mm CONIROL 10 KIOSK	100 × 200 CONC. PAWERS (6 REO'D.)	
(NO SELICES IN BOX)  TOPICAL TEL STATION  TOPICAL T	DUCT SEAL COMOUNT ENG	(w) 1/4% SIEF BOT-DOWN
2-53mm POWER 10 2-53mm CONTRO WET WELL		BOND BOX TO GROUND #6 INSULATED WIRE  EQUAL TO  BROOKS CAT.# 66

-	-	_	-	$\vdash$	-	⊢	⊢	-	-	_	-	-	-	-	-	-	-	$\vdash$	Н	_	_	-	-	-	-	-	Н	Н	-	ш	_	-	_		ı
•						2pr.	2pr.		٠	12	12	2		8	4	2		4	3	3	4	3	2	3	3	3	3	•	4			•	CONDUCT.		ĺ
1	•					<b>∮</b> 18	<b>∮</b> 18		•	<b>∮</b> 14	<b>#</b> 14	<b>#</b> 14		<b>∮</b> 14	<b>#</b> 12	<b>#</b> 12		•	•			٠	٠	٠	•	٠		•	•			•	CONDUCT		ĺ
렸	53 mm	2x41 mm	27 mm		27 mm	21 mm	21 mm	27 RPVC	27 RPVC	27 mm	27 mm	53 RPVC	53 RPVC	21 mm	21 mm	21 mm		21 mm	21 mm		21 mm	21 mm	21 mm	21 mm	53 RPVC VFD #1	21 mm	21 mm	53 RPVC	53 mm			DIDIN TO 1	CONDUIT		
HS-1,2,DS-1,2,3,4,5 PCP	ULTRASONIC TXMTR.	ANTENNA	ANTENNA POLE		FLOWMETER	PUMP #2 VFD	PUMP ∯1 VFD	FUTURE GENSET	FUTURE GENSET	PUMP ∯2 VFD	PUMP ∯1 VFD	FS1	LIFT STATION	REACTOR PANEL	POWER MONITOR	PCP		GENSET RECEPT.	PANEL 'A'	P-2	VFD #2	REACTOR #2	P-2 DISCONNECT	P-1	VFD #1	21 mm REACTOR #1		53 RPVC FUTURE GENSET	DISC. SW./MTS/SPLITTER METER			METER	10		
PCP	PCP	SCADA RADIO	ПСНІ SMITCH		PCP	PCP	PCP	KIOSK	PCP	PCP	PCP	PCP	ULTRASONIC TXMTR.	PCP	PCP	PANEL 'A'		MANUAL TRANSFERS SW.	SPLITTER	VFD #2	REACTOR #2	P-2 DISCONNECT	SPUTTER	I∯ G∃V	REACTOR #1	P1 DISCONNECT	SPUTTER	KIOSK	METER			BVIS	FROM		
TA(200,201) WET WELL/KIOSK INTRUSION	COMPOSITE TRANSDUCER CABLE + #6 GREEN RW90 Cu.	CABLE BY CITY OF CHILLIWACK	(FLOOD LIGHT)		TA(501,502) COMPOSITE CABLE TO BE FACTORY POTTED, SUPPLIED WITH FLOWMETER (10 METERS IN LENGTH)	TA(601A,601B)	TA(600A,600B)	TA(1,54,55), STUB AND CAP, BELOW MTS IN KIOSK	TA(1,56,57,58), STUB AND CAP	TA(1,35,44,45,117,118,119,120)	TA(1,34,40,41,112,113,114,115)	TA(150,151)	REFER TO NOTE 2	TA(204,205,207,208) HI TEMP & LEAK PUMP SENSOR	TA(1,32)	TA(L1,N)				COMPOSITE PUMP CABLE				COMPOSITE PUMP CABLE				STUB AND CAP BOTH ENDS, BELOW MTS IN KIOSK				BURIED DB2, RIGID IN KIOSK, HYDRO CONDUCTORS	REMARKS	CABLE SCHEDULE	

- NOTES:

  METAL POLE FOR RADIO ANTENIA TO BE HOT-DIPPED GALVANIZED C/M HAND HOLE. TOP TO BE SEALED TO MEATHER, LENGTH 25ft. MOUNT ON STANDARD BASE. EQUAL TO HOM POLE NST SERIES.
- Ultrasonic level control unit, 120mg c/m 3 form c, spot relays rated 5a at 250mg. Relays to be programmable ss Jlaras. Unit to be c/m 4-250ma output, relayable programmable that trunscoles unit, mount out rout of plup control panel level control unit militronics multrangerioo (min. 3
- FLOAT SWITCH FOR HI LEVEL ALARM. FLYGT LEVEL REGULATOR ENM-10.
- LIMIT SWITCHES (9) DS-1,D-2,D-1,D-4,D-5 FOR MODE TO BE CUTTED-HAMBER EXO NEW PUT MODULAR SINGLE POLE LIMIT SWITCHES WITH MOUNTING ASSISTANCES OF REQUEST LOTHER LOTHER ASSISTANCES OF REPORT OF LITT SKNTON COMERS TO BE RATED FOR HAMBROSIA FEEL MESSAFEZO, ESCHEZO, ES
- MOUNT FLOODLONG IN ANTENA, POLE & PROVINC SWITCH IN 1005K FOR OPERATION, PRILINE TO BE 150M H.P.S., 120M-O, DE COST, JULIANIUM MOISMO CAY DEVA SWEDD, VANCIA, RESISTANT LENS, 150M H.P.S. LAMP & ARM MOUNT OPTION, AM EQUAL TO KEDNE MINIBAY CAT, # MRA-150DLXL-1.
- ALL CONTROL WIRING TO BE LABELLED WITH IDENTIFYING NUMBERS.
- CONTRACTOR TO PROVIDE A BROOKS 86 THE COMPRETE JUNCTION BOX C/M METAL COMER METALL WITTON BOX REQUIRED TO PREDENT CASES FROM MET MELL PRITEMEN (MOSK. NO SPLICES MILL BE ALLOWED IN BOX. CONDUITS TO BE INSTALLED MINI 90' BROUND IN BOX. PROVIDE (12) IF DEPLY SPACED HOLES IN METAL COPER.

# NOT FOR CONSTRUCTION

NOTE:
THIS DRAWING IS PROVIDED TO DEFINE CITY OF CHILLIWACK
MINIMUM REQUIREMENTS. LAYOUT AND DETAILS TO BE CONFIRMED DURING DETAILED DESIGN.

VERT.	HORIZ.	DATE	CHECKED	DRAWN	DESIGNED
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			1		

DANE REVISED AS PER CITY OF CHILLIWACK

10.02.24 REVISED BY CITY OF CHILLIWACK

BY APPR.
KG KG
SEH BK/SH

TOP OF ANTENNA POLE ELEVATION ELEVATION

PHASELOSS RELAY PANEL BOX

NIPPLE C/W

ⓓ

€

1 B

3mm RIGID CONDUIT

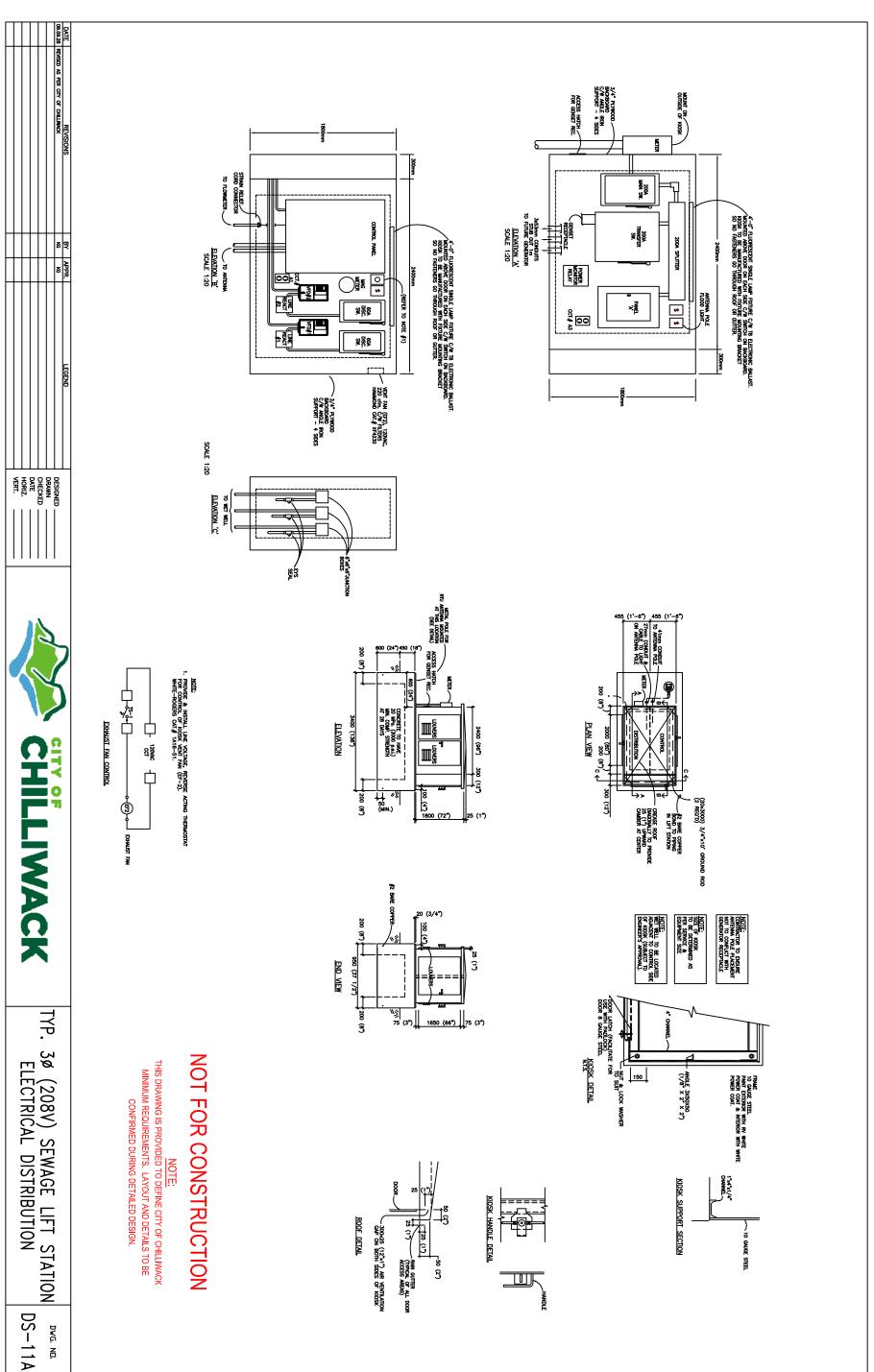
PROVIDE STEEL PLATE AND PIPE TO MOUNT TO TOP OF METAL POLE. PAINT TO MATCH POLE.

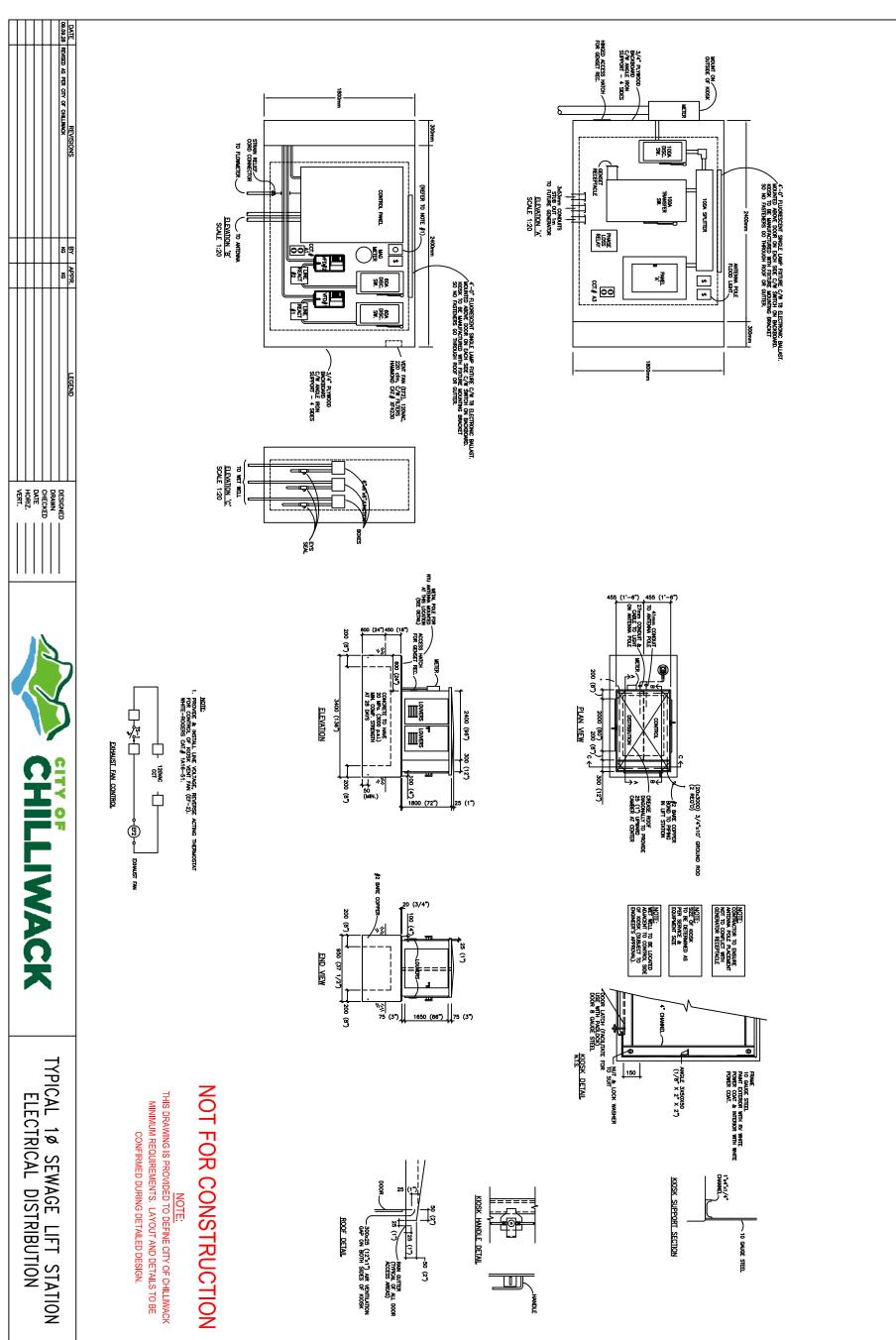
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TYPICAL 10 SEWAGE LIFT STATION ELECTRICAL DISTRIBUTION

DWG. NO.

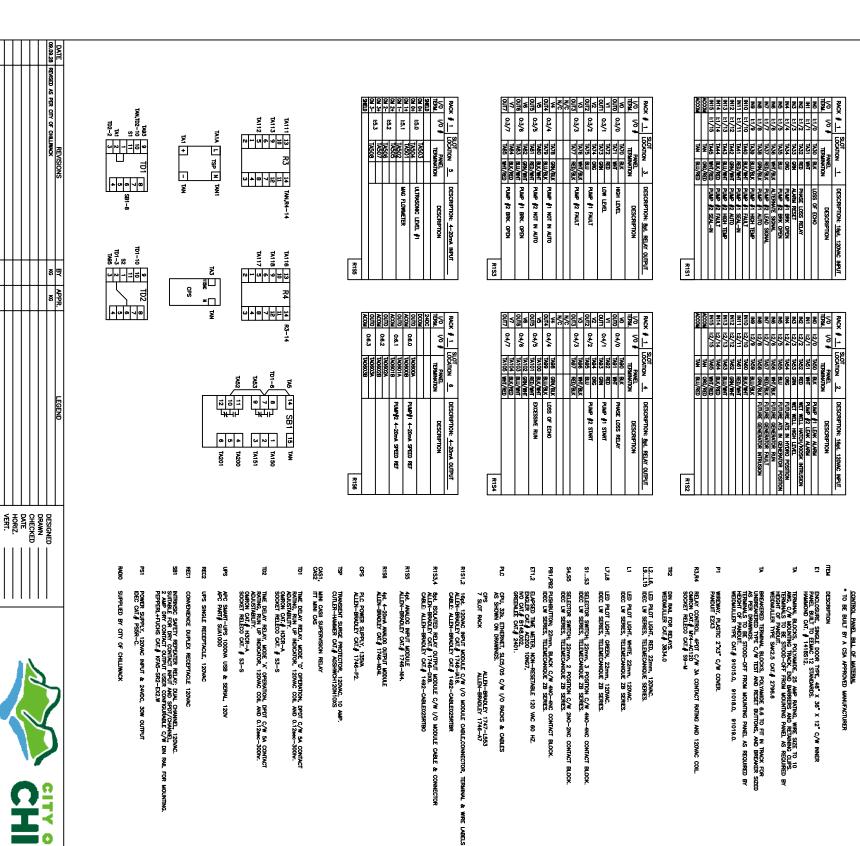


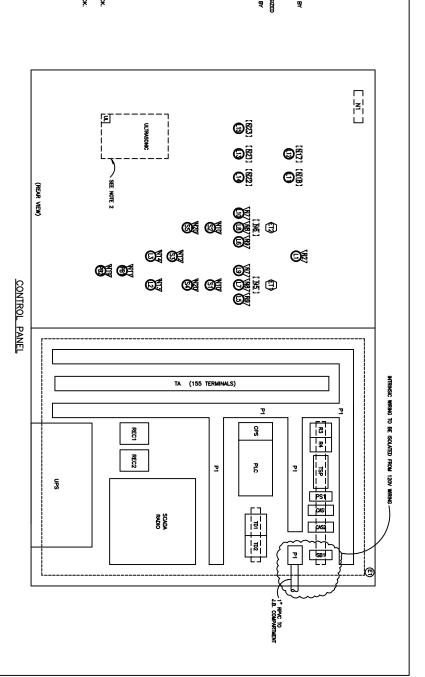


DS-11B DWG. NO.

"Land Development Bylaw 2014, No. 3055"

"Land Development Bylaw 2014, No. 3055"

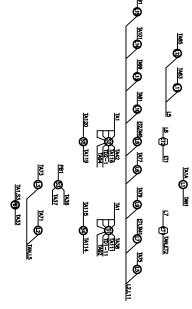






METAL LEGEND PLATE ENGRAVED " HAND-OFF-AUTO " ALLEN-BRADLEY CAT.#800T-X511

CONTROL PANEL DOOR WIRING



# NOT FOR CONSTRUCTION

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NETAL LEGEND PLATE ENGRAVED " LOW " NLEN-BRADLEY CAT.∮800T-X524 METAL LEGEND PLATE ENGRAVED HIGH " METAL LEGDIO PLATE ENGRAVED " ALT. P1 P2 LEAD LEAD LEAD LEAD ". MLLEN-BRADLEY CAT. \$8007—X559E NETAL LEGEND PLATE ENGRAVED " RESET " NLEN—BRADLEY CAT.∯800T—X538

NOTE:
THIS DRAWING IS PROVIDED TO DEFINE CITY OF CHILLIWACK
MINIMUM REQUIREMENTS. LAYOUT AND DETAILS TO BE
CONFIRMED DURING DETAILED DESIGN.



AMACOID NAMEPLATE AS FOR N2 ENGRAVED " POWER MONITOR "

MACOID NAMEPLATE AS FOR N2 ENGRAVED " EXCESSIVE RUN "

MACOID NAMEPLATE AS FOR N2 ENGRAVED "LOSS OF ECHO"

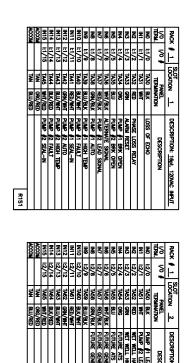
METAL LEGEND PLATE ENGRAVED " FOR. — REV. "
MLEN—BRADLEY CAT. #800T—X506

WACOID NAMEPLATE AS FOR N2 ENGRAVED " PUMP \$2 BRK OPEN " WAACOID NAMEPLATE AS FOR N2 ENGRAVED " PUMP ∯1 BRK OPEN "

MACOID NAMEPLATE AS FOR N2 ENGRAVED " PUMP HEAT/SEAL MODULE RESET "

3ø ELE (208V) SEWAGE LIFT STATION

DS-13A DWG. NO.



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R1S4					DOCUME INDIA	EXCESSIVE BIIN	EURO OF EURO	Dee OF FOUN					The street	BIND 42 STAPT	TOME #1 CINC	BIND 41 CTAPT	FIRST COS NEDAL	BUISE LOSS BELAY	DECOM HOLE	DESCRIPTION

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R156					The state of the state of	BINDER A-20-A SPEED BEE	TOME BY THE SOURCE OF LIES AND	BINDET 4-20-A SPEED BEE			DESCRIPTION	DESCRIPTION: 4-20mA OUTPUT

ULTRASONIC LEVEL #1

RISS

DESCRIPTION: 4-20mA INPUT
DESCRIPTION

R1S3

3 TAN	R R R R R R R R R R R R R R R R R R R	
12 6 14	14.5 SB1	
6 TA201		

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TA1A L TSP N TAN1

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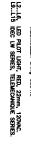
ı ¥

TION: 166L 120WC NPUT ESCRIPTION	CONTROL PANEL BILL OF MATERIAL  TO BE BUILT BY A CSA APPROVED IMA  DESCRIPTION  ENCLOSURE, SINGLE DOOR TYPE, 48" X
LEAK ALARM LEAK ALARM	EI BNOOSURE SINCE DOOR TYPE 48" X 36" X 12" C/W INNER PMIC BUIT TO EEMO 22 STANDARDS. HWANDID OLI, # 1416512.
L HIGH LEVEL ATS IN HYDRO POSITION ATS IN GENERATOR POSITION GENERATOR RUN CENERATOR R	TO TERMINAL BLOCKS, POLYAMDE, 25 MAP RATHIC, WEE SIZE TO 10  AWG, C/W MUNTING TROCK, EDID BERBERS AND RETAINING CLESS. TERMINAL TO BE STOOD-OFF FROM MOUNTING PANEL AS REQUIRED BY HEIGHT OF PANEL TYPE SAV2.5 CAT.# 2796.6
GENERATOR INTRUSION	TA BREWERD TRAINFU, BLOCKS, POLYMIDE 6.6 TO FIT IN TRACK FOR MERCHERD FITE C/M TEST AND RESET BUTTONS, AND REMERCES SEED AS PER DRAWNINGS. FOR STOOD-OFF FROM MOUNTING PANEL AS REQUIRED BY PERMINALS TO BE STOOD-OFF FROM MOUNTING PANEL AS REQUIRED BY WEIGHLULER TYPE CAT, # 91015.0, 91018.0, 91019.0.
	P1 WIREWAY, PLASTIC 2"X3" C/W COVER. PANDUIT EXX3
R1S2	R3.P4 RELY CONTROL 450T C/M 3A CONTACT RATING AND 120MC COIL.  RMON COAT MAT-ACT 20  SOCKET RELECT CAT # SS-M
	TR2 DIN RAIL FOR RELAYS. WEDMULLER CAT, # 3834.0
TION: Bpt. RELAY OUTPUT	1216, LED PHOT LIGHT, RED, 22mm, 120Mc, 1315 DEC LW SEPIES, TELEMECHMONE SERIES.
OSS RELAY	DEC LW SERIES, TELENECANIQUE ZB SERIES.
START	L7,18 LED PILOT LIGHT, GREEN, 22mm, 120VAC. IDEC LW SERIES, TELEMECANIQUE ZB SERIES.
STAPT	

ntrinsic wiring to be isolated from 120V wiring-

3

J.B. COMPARTMENT



\$4,55 SELECTOR SWITCH; 22mm, 2 POSITION C/W 2NO-2NC CONTACT BLOCK. IDEC LW SERIES, TELEMECANIQUE ZB SERIES. SELECTOR SWITCH; 22mm, 3 POSITION C/W 4NO-4NC CONTACT BLOCK. IDEC LW SERIES, TELEMECANIQUE ZB SERIES.

PB1,PB2 PUSHBUTTON; 22mm, BLACK C/W 4NO-4NC CONTACT BLOCK. IDEC LW SERIES, TELEMECANIQUE ZB SERIES.

ELAPSED TIME METER, NON-RESEMBLE 120 VAC 60 HZ.
ENGLER CAT, & 0.200 10NG7,
NO CAT, \$ 6146,002,
GREENLEE CAT, \$ 2401.

CPU, 32k, ETHERNET, SLC5/05 C/W I/O RACKS & CABLES AS SHOWN ON DRAWINGS. CPS 7 SLOT RACK ALLEN-BRADLEY 1747-L553
ALLEN-BRADLEY 1746-A7

8pt. ISOLATED RELAY OUTPUT MODULE C/W I/O MODULE CABLE & CONNECTOR ALLEN-BRADLEY CAT. # 1746-008.
CABLE: ALLEN-BRADLEY CAT. # 1492-CABLED25RTBO TIGH. 120MC INPUT MODILE C/M I/O MODILE CABLE,CONNECTOR, TERMINAL & MIRE LABELS
ALEN-BROLEY CAT, # 1746-MS.
CABLE: ALEN-BRADLEY CAT, # 1462-CABLEDZERTBR

4pt. ANALOG INPUT MODULE ALLEN-BRADLEY CAT. # 1746-NI4.

RIS6 4pt. 4—20mA ANALOG OUTPUT MODULE ALLEN—BRADLEY CAT. 

# 1746—NO41.

PLC POWER SUPPLY, 135VA ALLEN-BRADLEY CAT. # 1746-P2.

TRANSIENT SURGE PROTECTOR, 120VAC, 10 AMP. CUTLER-HAMMER CAT.# AGSHWCH120N10XS

MINI CASI SUPERVISION RELAY

THE DELY RELY, MODE 'D' OPERATION, LPDT C/W 5A CONTACT RATING, BUN, UP INDICATOR, 120MC COIL, AND 0.1286—300M. AUSTRIEUT, HOGR-A SOCKET RELECO CAT. \$ 53—5

THE DELY RELY, MODE 'A' OPERATION, LPDT C/W SA CONTACT BATHS, BUN LP INDICATOR, 120/MC COIL AND 0.12±6-300H. DALESTMENT, HODR-A SOCKET RELECO CAT. # 83-5

APC SMART-UPS 1000VA USB & SERIAL, 120V APC PART∯ SUA1000

UPS SINGLE RECEPTACLE, 120VAC

CONVENIENCE DUPLEX RECEPTACLE 120VAC

NITRINSIC SPETY REPEATER RELAY; DUAL CHANNEL, 120VAC. SUITABLE FOR DRY CONTACT INPUT AND SPDT/CHANNEL, 2 AMP DRY CONTACT OUTPUT USER CONFIGURABLE C/W DIN RAIL PEPPERL+FUCHS CAT. FRAS-SRZ-EX2.W FOR MOUNTING

POWER SUPPLY, 120VAC INPUT & 24VDC, 30W OUTPUT IDEC CAT. PSSR-C.

SUPPLIED BY CITY OF CHILLIWACK

ĸ	LEGEND		
LAMACOID NAMEPLATE WHITE WITH BLACK I ENGRAVED " PUMP CONTROL PANEL "	ENGRAVING	NAMEPLATE SCHEDULE	

LAMACOID NAMEPLATE AS FOR N1 C/W 1/4" LETTERS MIN. ENGRAVED " CONTROL POWER ON " LMACOD NAMERATE AS FOR N2 ENGRAVED " PUMP \$1".
LMACOD NAMERATE AS FOR N2 ENGRAVED " PUMP \$2".
METAL LEGBNO PLATE ENGRAVED " NOT IN AUTO ".
ALEN-BROLEY CN; \$600T-X558E

NETAL LEGEND PLATE ENGRAVED " ON " NLEN—BRADLEY CAT.#800T—X5.50

METAL LEGEND PLATE ENGRAYED " HAND-OFF-AUTO " ALLEN-BRADLEY CAT.#800T-X511 METAL LEGEND PLATE ENGRAVED " FAIL " ALLEN-BRADLEY CAT.∯800T-X559E

NETAL LEGEND PLATE ENGRAVED " RESET " NLEN—BRADLEY CAT.∯800T—X538

METAL LEGEND PLATE ENGRAVED " HIGH " 

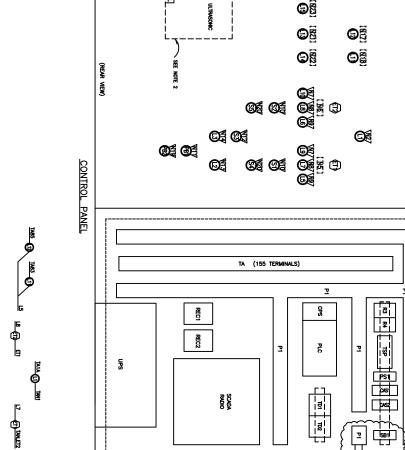
NETAL LEGEND PLATE ENGRAVED " LOW "
NLEN-BRADLEY CAT.#800T-X524

AMACOID NAMEPLATE AS FOR N2 ENGRAVED "PUMP ∯1 BRK OPEN "

MACOID NAMEPLATE AS FOR N2 ENGRAVED " PUMP ∯2 BRK OPEN "

luwcod wweflate as for no engened " pump heat/sea, module reset" Metal legho plate engened " for. — rex. " Mleh-brooley cat, 9607—2506

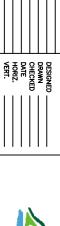
AMACOID NAMEPLATE AS FOR N2 ENGRAVED " POWER MONITOR " MACOID NAMEPLATE AS FOR N2 ENGRAVED " EXCESSIVE RUN " MACOID NAMEPLATE AS FOR N2 ENGRAVED "LOSS OF ECHO"



CONTROL PANEL DOOR WIRING	KNJ (BrSFW)	M23 QQ M21 QQ TAW 1.5	 M115 @ M114	M. M	11177 தொட்டுரும் தொட்டுரா தொட்டு தார் தொட்டு தார் தொட்டு தொட்டு தார் தார் தார் தார் தார் தார் தார் தார்	Tawerz

# NOT FOR CONSTRUCTION

NOTE:
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MINIMUM REQUIREMENTS. LAYOUT AND DETAILS TO BE CONFIRMED DURING DETAILED DESIGN.



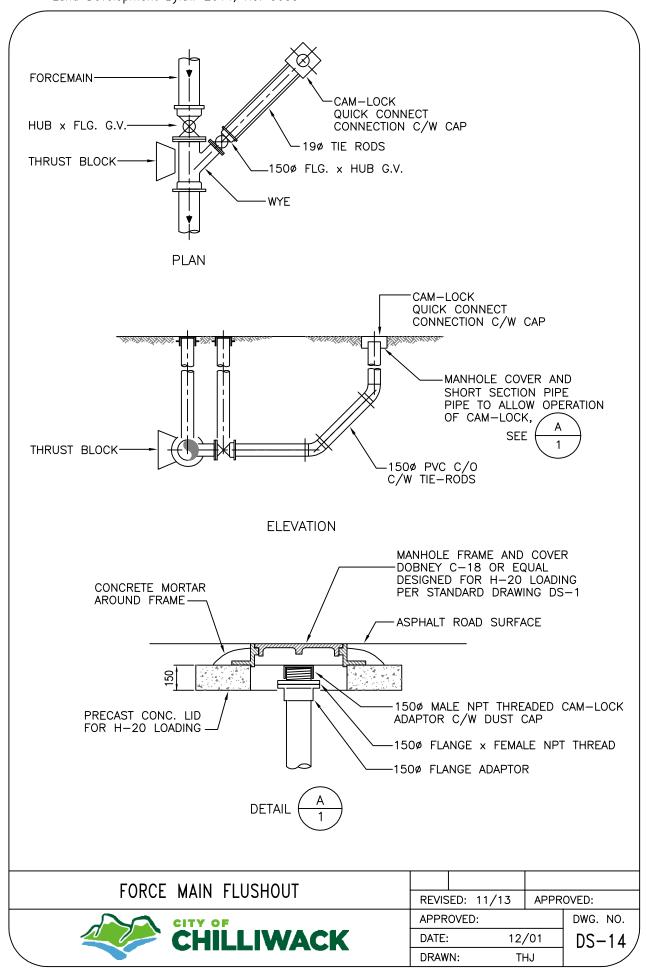
09.09.28 REVISED AS PER CITY OF CHILLWACK

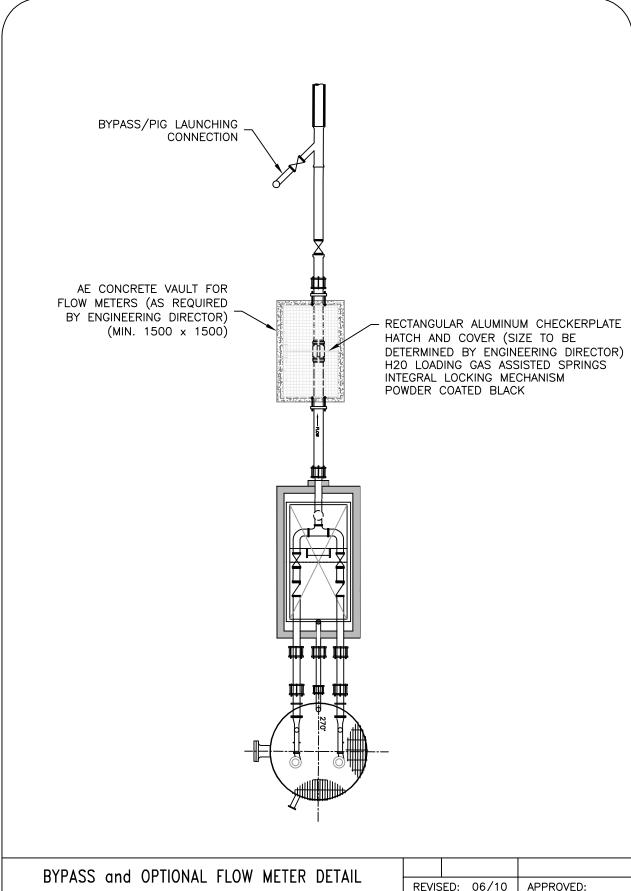
APPR.

101-10 9 TD2 101-10 10 TD2 111 S2 11 101-3 2 TA95

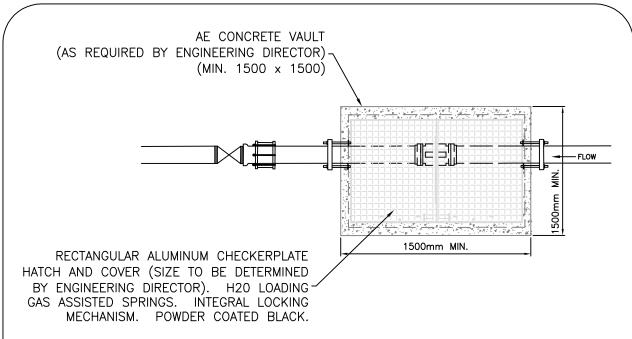


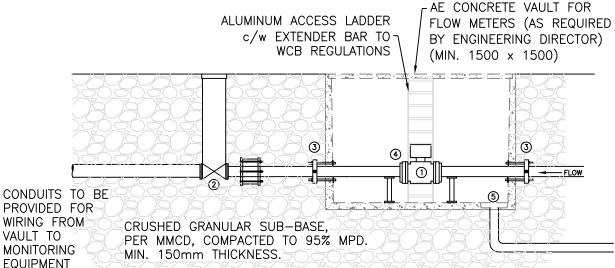
TYPICAL 10 SEWAGE LIFT STATION ELECTRICAL CONTROL WIRING





FASS UND OFFICINAL FLOW METER DETAIL	REVISED: 06/10	APPROVED:
CITY OF	APPROVED:	DWG. NO.
CHILLIWACK	DATE:	DS-15 /
	DRAWN: SE	EH /





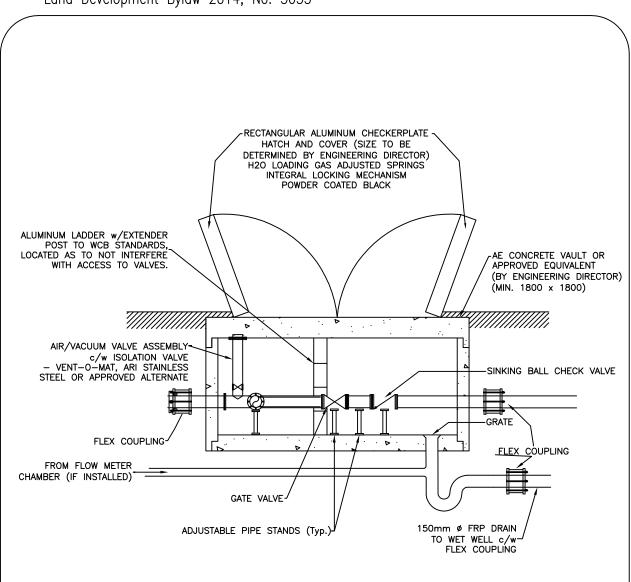
# **LEGEND**

- 1. ABB Magnetic Flow Meter or approved equivalent with Remote Display. Factory sealed and potted cables to be provided.
- 2. Resilient Seated Wedge Gate Valve NRS.
- 3. Restrainment Coupling c/w Tie Down to vault.
- 4. Dismantling Joint "Victolic Coupling".
- 5. Sump to be connected to wet well via a 100mm diameter connection c/w Pea Trap. Can be connected to valve chamber drain.

SPOOL PIECE
FOR
METER REMOVAL
TO BE PROVIDED

NOTE: All fitting and pipe work is to conform to Schedule 'A' of the Land Development Bylaw and/or MMCD.

SANITARY FLOW METER VAULT				
SANITART FLOW METER VAULT	REVIS	SED: 11/13	APPR	OVED:
CITY OF	APPR	OVED:		DWG. NO.
CHILLIWACK	DATE:	05,	/07	DS-16 /
	DRAW	'N: J	В	



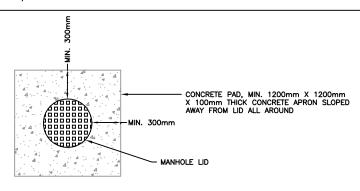
	VALVE (	CHAMBE	R
FOR	SANITARY	PUMP	STATION



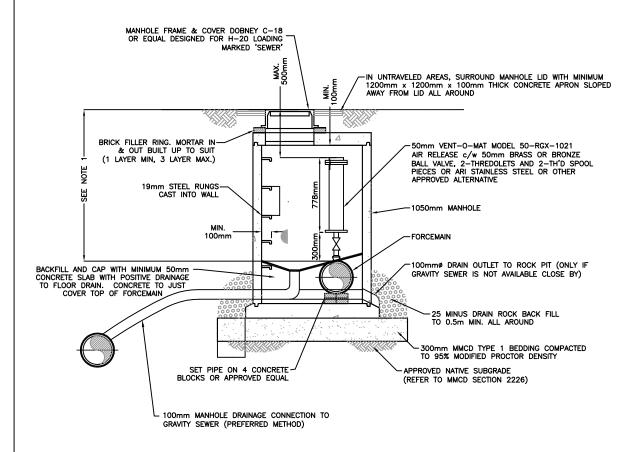
REVISED:	11/13	APPROVED:

APPROVED:	
DATE:	09/09
DRAWN:	SEH

DWG.	NO.		
DS-	-17		



PLAN VIEW



## NOTES:

- SPECIAL DESIGN REQUIRED WHEN DISTANCE FROM TOP OF MAIN TO MANHOLE COVER IS LESS THAN 1.5m.
- 2. MANHOLE LID TO BE CENTERED IN SIDEWALK WHERE SIDEWALK IS ON THE SAME SIDE OF ROAD AS FORCEMAIN. OTHERWISE LOCATE IN BOULEVARD CENTRED AT 3m FROM PROPERTY LINE IN URBAN AREAS OR 4m FROM PROPERTY LINE IN RURAL AREAS. C/W ACCESS PAD AND APPROVED CULVERT WHERE REQUIRED.
- 3. CHAMBER IS NOT TO BE INSTALLED IN ROAD SURFACE.
- 4. MAXIMUM DEPTH TO FIRST RUNG IS 150mm. WHEN HANDHOLD IS INSTALLED BETWEEN TOP AND FIRST RUNG, MAXIMUM DEPTH MAY BE INCREASED TO 660mm.
- 5. AIR VACUUM VALVES INSTALLED REMOTE FROM FORCEMAIN WILL REQUIRE SPECIAL DESIGN AND APPROVAL BY CITY ENGINEER.

AIR AND VACUUM VALVE CHAMBER			
FOR SANITARY FORCE MAIN	REVISED:	AP	PROVED:
CITY OF	APPROVED:	11/13	DWG. NO.
CHILLIWACK	DATE:	02/12	□ DS-18 /
	DRAWN:	SEH	