

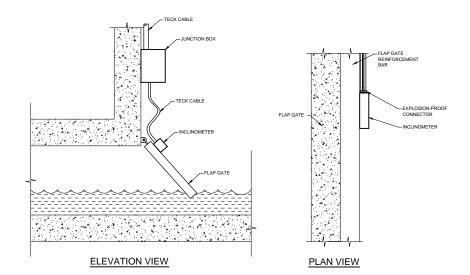
### NOTES

1) TERMINAL BLOCKS WEIDMULLER #WDU4
2) FUSED TERMINAL BLOCKS WEIDMULLER #WSI6:
TERMINAL BLOCK 1, C/W FUSE 1A
TERMINAL BLOCK 2, C/W FUSE 1A
TERMINAL BLOCK 3, C/W FUSE 1A
TERMINAL BLOCK 10, C/W FUSE 500mA
TERMINAL BLOCK 11, C/W FUSE 500mA
TERMINAL BLOCK 11, C/W FUSE 500mA
TERMINAL BLOCK 11, C/W FUSE 500mA
TERMINAL BLOCK 13, C/W FUSE 500mA
TERMINAL BLOCK 13, C/W FUSE 500mA
TERMINAL BLOCK 14, C/W FUSE 500mA
TERMINAL BLOCK 14, C/W FUSE 500mA
TERMINAL BLOCK 14, C/W FUSE 500mA
3) JUMPERS: 1-3; 5-7; 9-14; 16-21

TB2 STRIP DETAIL



- 1) FUSED TERMINAL BLOCKS WEIDMULLER #WSI6, C/W 500mA FUSE 2) FEED-THROUGH TERMINAL BLOCKS WEIDMULLER #WDU4 3) FEED-THROUGH TERMINAL BLOCKS WEIDMULLER #WDU4 4) REPEAT FOR ALL AIS AND AOS.



# TB1 STRIP DETAIL

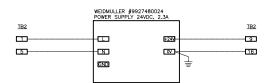
# **INSTRUMENT LIST**

MANUFACTURER

No.	CABLE TAG	FROM	то	DESCRIPTION	MANUFACTURER	CATALOG No.	NOTE
1	S-661-LIT/X-S-661-TP	RIV-S-661-LIT	JB-661	#16 AWG, 2-PAIR, TWISTED, SHIELDED, TECK 90	TEXCAN	C3-9326-1602-19	4-20mA
2	S-951-LIT/X-S-951-TP	RIV-S-951-LIT	JB-661	#16 AWG, 2-PAIR, TWISTED, SHIELDED, TECK 90	TEXCAN	C3-9326-1602-19	4-20mA
3	S-851-ZT/S-TBN2-JB/X-S-851-TP	RIV-S-851-ZT	JB-661	#16 AWG, 2-PAIR, TWISTED, SHIELDED, TECK 90	TEXCAN	C3-9326-1602-19	4-20mA
4	S-651-FE/S-TBN1-JB/L-S-651-FIT/VIT/LIT	RIV-S-651-VE/LE	JB-651	SENSOR CABLE			SENSOR CONNECTION
5	S-651-FE/S-TBN1-JB/L-S-651-FIT/VIT/LIT	JB-651	RIV-S-651-FIT/VIT/LIT	#16 AWG, 4-TRIADS, TWISTED, SHIELDED, TECK 90	TEXCAN	C3-9336-1604-19	SENSOR CONNECTION
6	S-661-LIT/LIT/ZT/X-S-TP	JB-661	TERMINATION PANEL	#16 AWG, 4-PAIRS, TWISTED, SHIELDED, TECK 90	TEXCAN	C3-9326-1604-19	TRANSMITT. CONNECTIONS
7		DISTRIBUTION PANEL	TERMINATION PANEL	#12 AWG, 2C, TECK 90	TEXCAN	05002-01-010	POWER 120VAC

### CABLE LIST

### TERMINATION PANEL DETAIL



POWER SUPPLY 24VDC WIRING DETAIL

DESCRIPTION

HYDROSTATIC LEVEL TRANSMITTE

RADAR LEVEL TRANSMITTER

INCLINATION TRANSMITTER

ULTRASONIC FLOW METER

INSTRUMENT TAG

RIV-S-661-LIT RIV-S-951-LIT

RIV-S-851-ZT

RIV-S-651-FIT/VIT/LIT

### LEGEND

MODEL

1) HOFFMAN #CSD20248 TYPE 12 ENCLOSURE C/W PANEL #CP2420

LOCATION

- 2) WEIDMULLER #9927480024 POWER SUPPLY 24VDC, 2.3A
- 3) TB1 TERMINAL BLOCKS STRIP. SEE DETAIL.
- 4) TB2 TERMINAL BLOCKS STRIP. SEE DETAIL.
- 5) PANDUIT #E1X2LG6 WIRE DUCT C/W COVER #C1LG6
- 6) SIEMENS #7ML5741 DIGITAL INDICATOR

PLC I/O TYPE POWER SUPPLY

ER	ENDRESS+HAUSER	FMX21	1X Al	24VDC	UPSTREAM OF WEIR
	SIEMENS	SITRAN LR200	1X Al	24VDC	DOWNSTREAM OF FLAP GATE
	RST INSTRUMENTS	ICEX360A	1X AI	24VDC	FLAP GATE
	NIVUS	OCM PRO CF	3X AI, 1X DI	120VAC	INFLOW

### **WARNING**

NOTE

751-LIT

IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:

LOOP 951-LIT FIELD TAGGED AS

- 1) NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
- 2) TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.
- SEE PROVINCIAL REGULATION 140/92 FOR DETAILS

## **METRIC**

WHOLE NUMBERS INDICATE MILLIMETRES DECIMALIZED NUMBERS INDICATE METRES



Certificate of Authorization

Stantec Consulting Ltd. No. 1301

SHEET

# Cable shall be secured on the flap gate chamber wall and flap gate Extra cable shall be provided to relieve cable stress at the junction of the flap gate and the chamber wall Instrument and junction box mounting bracket need to be adjusted according to flap gate design Explosion—proof connector shall be sealed with epoxy to prevent gas migration PST INSTRUMENTS INCLINOMETER INSTALLATION DETAIL

<u>KSI INSIRUMEN</u>	15 11	NCLINOMETER INSTALLATION DETAIL							
LOCATION APPROVED UNDERGROUND STRUCTURES	B.M ELE				96	Stante	c Consult	ing Ltd.	ENGINEER'S SEAL
SUPV. U/G STRUCTURES DATE					Stantec		ey Street, Winnip 39-5900 Fax 20		
NOTE:	F	AS-BUILT DRAWING	13.07.24		DESIGNED BY	S.T.	CHECKED BY	B.J.	
LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN	D	ISSUED FOR CLIENT REVIEW ISSUED FOR CLIENT REVIEW	13.05.31 13.04.15		DRAWN BY	S.T.	APPROVED BY	B.J.	
THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT	С	ISSUED FOR CLIENT REVIEW	13.04.01		HOR. SCALE:	N.T.S.	RELEASED FOR		
LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES	B A	ISSUED FOR CLIENT REVIEW  ISSUED FOR CLIENT REVIEW	12.07.13 12.07.05		VERTICAL:	14.1.0.	CONSTRUCTION:		CONSULTANT DRAWING NO.
BEFORE PROCEEDING WITH CONSTRUCTION.	NO.	REVISIONS	DATE	BY	DATE 2012.06	6.06	DATE		E-2302

Winnipeg

# THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT

CSO OUTFALL MONITORING

RIVERBEND CRESCENT

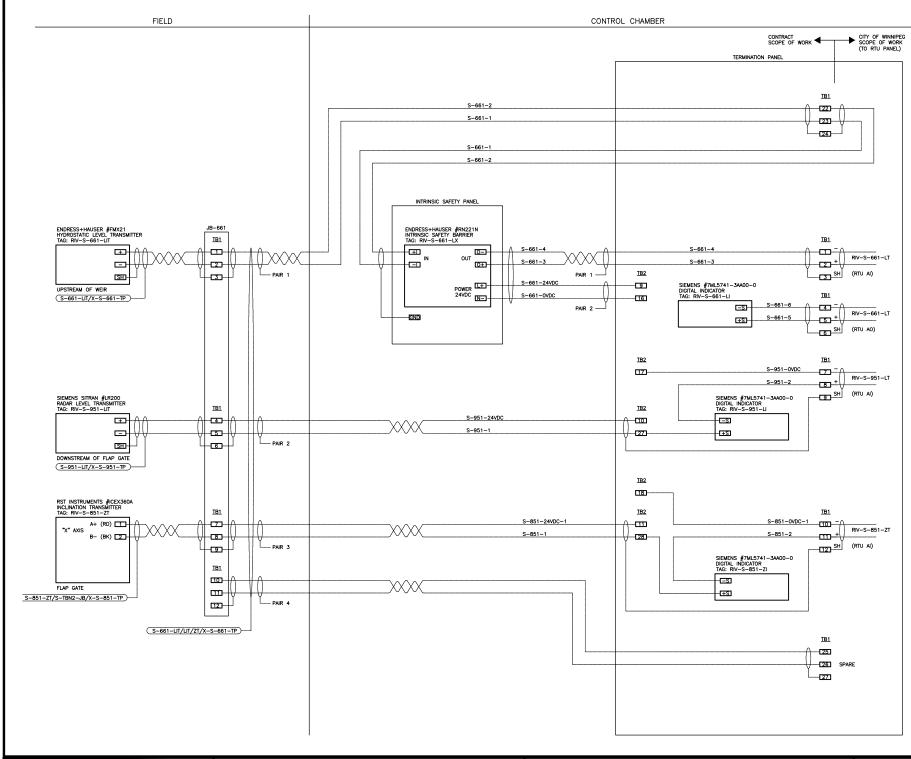
TERMINATION PANEL LAYOUT INSTRUMENT LIST, CABLE LIST CAD FILE DRAWING NUMBER 13650e-2302-riv.dwg

OF

CITY DRAWING NUMBER

I-0178-A-A0203-00I-00

GENERAL NOTES



13.07.24 S.T.

S.T.

J.C.

J.C.

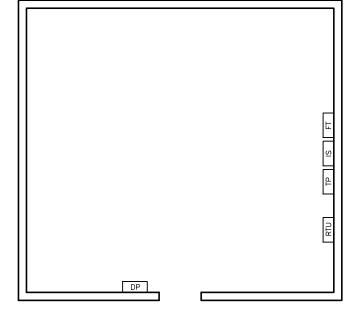
13.05.31

13.04.15

13.04.01

12.07.13

DATE



ELECTRICAL ROOM FLOOR PLAN

### **NOTE**

LOOP 951-LIT FIELD TAGGED AS 751-LIT

### **WARNING**

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2) TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY

SEE PROVINCIAL REGULATION 140/92 FOR DETAILS

### **METRIC**

WHOLE NUMBERS INDICATE MILLIMETRES DECIMALIZED NUMBERS INDICATE METRES



Certificate of Authorization

Stantec Consulting Ltd.

No. 1301

TP - NEW TERMINATION PANEL

FT - FLOW METER TRANSMITTER

IS - NEW INTRINSIC SAFETY PANEL

DP - EXISTING DISTRIBUTION PANEL 120VAC

LEGEND

- 1) INSTALL SHEETS OF PLYWOOD AND MOUNT ON BACKBOARD RTU PANEL, TP PANEL, INTRINSIC SAFETY PANEL AND FLOW METER TRANSMITTER.
- 2) INSTALL JUNCTION BOX SUITABLE FOR CLASS I, ZONE 2 LOCATIONS IN GATE CHAMBER MANHOLE AND CONNECT CABLES FROM TWO LEVEL TRANSMITTERS AND INCLINOMETER TO ONE 4-PAIR, #16AWG, TECK90 INSTRUMENTATION CABLE. CABLE TO BE RUN TO TERMINATION PANEL IN LIFT STATION.

LOCATION A	APPROVED
UNDERGROUND	STRUCTURES

B.M.

ELEV.

AS-BUILT DRAWING

REVISIONS

ISSUED FOR CLIENT REVIEW

ISSUED FOR CLIENT REVIEW

ISSUED FOR CLIENT REVIEW

ISSUED FOR CLIENT REVIEW

SUPV. U/G STRUCTURES DATE COMMITTÉE

LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN THAT THE GIVEN LOCATIONS ARE EXACT CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

# Stantec Consulting Ltd.

905 Waverley Street, Winnipeg, Manitoba Tel 204-489-5900 Fax 204-453-9012

DESIGNED CHECKED S.T. B.J. DRAWN APPROVED S.T. B.J. RELEASED FOR HOR. SCALE: N.T.S. CONSTRUCTION: VERTICAL: DATE 2012.06.06 DATE

ENGINEER'S SEAL

CONSULTANT DRAWING NO.

E-2303

# Winnipeg

# THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT

CSO OUTFALL MONITORING

RIVERBEND CRESCENT

ELECTRICAL ROOM LAYOUT LOOP WIRING DIAGRAMS

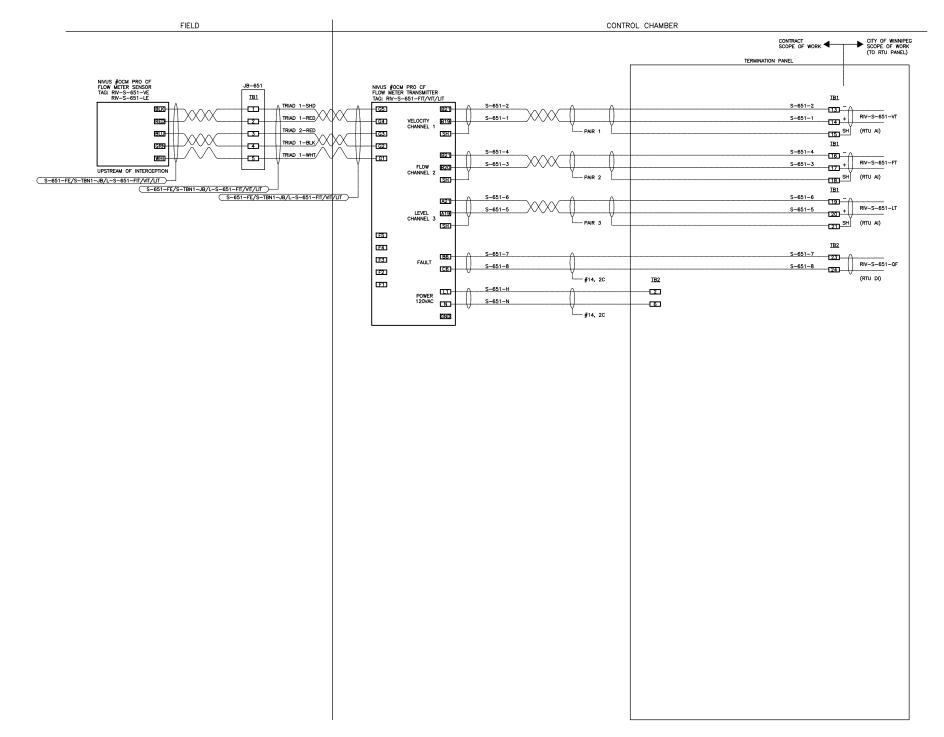
CITY DRAWING NUMBER

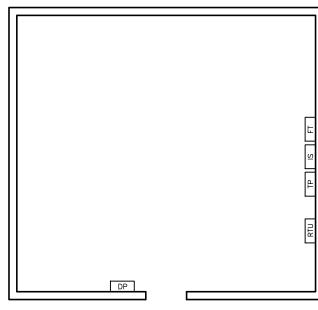
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SHEET OF

2 CAD FILE DRAWING NUMBER

13650e-2303-riv.dwg





ELECTRICAL ROOM FLOOR PLAN

### **LEGEND**

RTU - NEW RTU PANEL

TP - NEW TERMINATION PANEL

IS - NEW INTRINSIC SAFETY PANEL

FT - FLOW METER TRANSMITTER

DP - EXISTING DISTRIBUTION PANEL 120VAC

1) INSTALL SHEETS OF PLYWOOD AND MOUNT ON BACKBOARD RTU PANEL, TP PANEL, INTRINSIC SAFETY PANEL AND FLOW METER TRANSMITTER...

2) INSTALL JUNCTION BOX SUITABLE FOR CLASS I, ZONE 2 LOCATIONS IN GATE CHAMBER MANHOLE AND CONNECT CABLES FROM TWO LEVEL TRANSMITTERS AND INCLINOMETER TO ONE 4-PAIR, #16AWG, TECK90 INSTRUMENTATION CABLE. CABLE TO BE RUN TO TERMINATION PANEL IN LIFT STATION.

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### **METRIC**

WHOLE NUMBERS INDICATE MILLIMETRES DECIMALIZED NUMBERS INDICATE METRES



Certificate of Authorization

Stantec Consulting Ltd.

No. 1301

SHEET

### LOCATION APPROVED Stantec Consulting Ltd. UNDERGROUND STRUCTURES 905 Waverley Street, Winnipeg, Manitoba Tel 204-489-5900 Fax 204-453-9012 SUPV. U/G STRUCTURES COMMITTEE DESIGNED CHECKED S.T. B.J. AS-BUILT DRAWING 13.07.24 S.T. LOCATION OF UNDERGROUND STRUCTURES AS DRAWN SHOWN ARE BASED ON THE BEST INFORMATION APPROVED ISSUED FOR CLIENT REVIEW 13.05.31 S.T. S.T. B.J. AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. ISSUED FOR CLIENT REVIEW 13.04.15 J.C. RELEASED FOR CONFIRMATION OF EXISTENCE AND EXACT HOR. SCALE: N.T.S. ISSUED FOR CLIENT REVIEW 13.04.01 J.C. CONSTRUCTION: LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES CONSULTANT DRAWING NO. VERTICAL: ISSUED FOR CLIENT REVIEW 12.07.13 BEFORE PROCEEDING WITH CONSTRUCTION. NO. REVISIONS DATE DATE 2012.06.06 DATE

ENGINEER'S SEAL

E-2303

Winnipeg

# THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT

CSO OUTFALL MONITORING

RIVERBEND CRESCENT ELECTRICAL ROOM LAYOUT LOOP WIRING DIAGRAMS

2 2 CAD FILE DRAWING NUMBER 13650e-2303-riv.dwg

OF

CITY DRAWING NUMBER

I-0178-A-A0204-002-00







# CONSTRUCTION NOTES:

- 1. REMOVED AND DISPOSED OF CONSTRUCTION MATERIALS FROM SITE DAILY.
- 2. PROVIDED TEMPORARY SECURITY FENCE AROUND CONSTRUCTION INCLUDING EQUIPMENT AND MATERIALS AT ALL TIMES.

# NOTES:

- 1. THIS DRAWING IS ONLY A SKETCH BASED ON THE EXISTING DRAWINGS. THE LOCATION OF UNDERGROUND STRUCTURES AND DIMENSIONS ARE NOT EXACT.
- 2. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING ALL DIMENSIONS AND CONFIRMING, THE LOCATION OF THE BURIED UTILITIES PRIOR TO ASSOCIATED CONSTRUCTION.

FOR INDEX SEE 1-0110A-D0003-001

CONTRACTOR: ROCKY ROAD RECYCLING

RECORD DRAWING
WATER AND WASTE DEPARTMENT

Winnipèg

2015 COMMINUTOR CHAMBER PIPING &

VALVE UPGRADES

RIVERBEND LIFT STATION

LANE WEST OF RIVERBEND CRESCENT AND PORTAGE AVENUE

CONSTRUCTION COMPLETION DATE: 16/06/14

THE CITY OF WINNIPEG

WATER AND WASTE DEPARTMENT ENGINEERING DIVISION

SHEET 11 OF 12

1-0178L-G0001-001

CITY DRAWING NUMBER

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES

DECIMALIZED NUMBERS INDICATE METRES

								•	
	LOCATION APPROVED UNDERGROUND STRUCTURES	B.M. ELEV.						ENGINEER'S SEAL  ORIGINAL MYLAR	
١	SUPV. U/G STRUCTURES DATE							SIGNED BY	l
١	COMMITTEE					DESIGNED NC	CHECKED NC	K.R. ZUREK	ĺ
	NOTE:  LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION					DRAWN BY RJ	APPROVED NC	18/09/25	
	AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF					SCALE: HORIZONTAL NTS	RELEASED FOR CONSTRUCTION	CONSULTANT DRAWING NUMBER	
١	EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL	1	REVISED TO RECORD DRAWING	18/06/04	RS	vertical NTS	NEWTON CONTI		
	UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.	NO.	REVISIONS	DATE	BY	DATE 2018 08 16	DATE 2015 09 15	_	

# MANUAL OPERATOR GEARBOX WITH 50 X 50 AWWA OPERATING NUT 500 GATE VALVE OPERATING PEDESTAL BRONZE GATE STEM-SS GATE STEM GUIDES SPACED 50X50 AWWA OPERATING -AS REQUIRED BY GATE MANUFACTURER (2 MIN) REMOVED EXIST GATE VALVE AND INSTALLED REINFORCED CONC **HEADWALL** GROUTED AROUND PIPE REMOVED EXIST CONC FLANGE TO SECURE & AS REQUIRED (TYP.) SEAL (TYP.) BOLTED FLANGE TO EXIST CONC AND REMOVED EXIST CONC AS-REQUIRED TO SIDE VIEW ALLOW TRANSITION FROM 5000 TO 4250 REMOVED EXIST CONC-AS REQUIRED TYP. 1. P 4. P INSTALLED 0.4 X 0.4— SUMP PIT PUMP -REMOVED EXIST CONC AS REQUIRED (TYP.) -INSTALLED CONC -BOLTED FLANGE TO GROUTED FLANGE EXIST CONC AND REINFORCED BOLTS IN CONC (TYP) REMOVE EXIST. CONC **HEADWALL** AS-REQUIRED FRONT VIEW

### CONSTRUCTION NOTES:

- 1. ALLOWED SHUTDOWN TIME: MAX. 45.0 HRS OR AS DETERMINED BY COLLECTIONS STAFF
- 2. CRITICAL BASEMENT ELEVATION: 229.228
- 3. REMOVED EXISTING CONCRETE PIPING, VALVES, FITTINGS, AND OTHER MATERIALS
- AS REQUIRED. INSTALLED NEW PUMPS, MOTORS, PIPING, VALVES AND FITTINGS AS SHOWN.
- 4. PROVIDED TEMPORARY BY-PASS PUMPING OF WASTEWATER DURING CONSTRUCTION.
- 5. INSTALLED MECHANICAL WORKS AS INDICATED AND ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
- 6. EXCAVATIONS WERE BACKFILLED WITH CLASS 3 OR CLASS 5 BACKFILL IN ACCORDANCE WITH CW 2030 AND SD-002.
- 7. FLANGE NUTS & BOLTS TO BE ASTM A307.
- 8. GASKETS WERE FULLED FACED, 3 THICK RED RUBBER.
- 9. CONTRACTOR TO CONFIRMED ALL DIMENSIONS BEFORE ASSEMBLING PIPE.
- 10. ALL ANCHOR BOLTS ARE ASTM A276 TYPE 316 SS.

ITEM	DESCRIPTION	MATERIAL	MANUFACTURER	END	LENGTH	QUANTITY	TYPE
1	*500¢ VALVE/ASSEMBLY			FL	3462±	1	
2	500¢ PIPE	CI		FL+PE	1107±	1	
3	500Ø BEND	CI		FL		1	45.0°
4	500¢ TEE	CI		FL		1	
5	5000 FLANGED WALL THIMBLE	DI				2	
6	500¢ BLIND FLANGE	DI				2	
7	500¢ UNI-FLANGE	DI				1	
8	38¢ GATE VALVE	CI		FL		1	
9	38¢ CHECK VALVE					1	
10	38ø PIPE	ABS				1	316 SS PIPE
11	75¢ ONE WAY AIR VALVE					1	
12	75ø GATE VALVE					1	
13	75ø PIPE	ABS				1	316 SS PIPE
14	75¢ CHECK VALVE					1	
15	SUMP PUMP					1	110V, MIN 1/3 H
16	380 ONE WAY AIR VALVE					1	
17	ALUMINUM DIAMOND PLATE					1	
18	500Ø PIPE FLANGE	DI				1	
		CONTRACTOR:	ROCKY ROAD	RECYCLIN	G		

LENGTHS & DIMENSIONS SHOWN AS ± CONFIRMED BY CONTRACTOR

\* ITEMS SUPPLIED BY CITY

CONTRACTOR SUPPLIED CABLES & CONDUIT FROM SUMP PUMPS TO ELECTRICAL OUTLETS IN COMMINUTOR ROOM

- VALVE PEDESTAL OPERATORS HAVE POSITION INDICATORS.

FOR INDEX SEE 1-0110A-D0003-001

CONSTRUCTION COMPLETION DATE: 16/06/14

**RECORD DRAWING** WATER AND WASTE DEPARTMENT

**METRIC** WHOLE NUMBERS INDICATE MILLIMETRES DECIMALIZED NUMBERS INDICATE METRES

CONNECTION (BRASS)

[ D \ \$ | D \

TOP VIEW

38¢ THREADED

CONNECTION (BRASS)

ENGINEER'S SEAL LOCATION APPROVED UNDERGROUND STRUCTURES ELEV. ORIGINAL MYLAR SIGNED BY SUPV. U/G STRUCTURES COMMITTEE K.R. ZUREK DESIGNED CHECKED 18/09/25 APPROVED DRAWN BY LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION. RS RELEASED FOR CONSTRUCTION SCALE: NTS HORIZONTAL CONSULTANT DRAWING NUMBER NEWTON CONTI NTS REVISED TO RECORD DRAWING VERTICAL 18/06/04

DATE

2018 08 16

DATE

DATE 2015 09 15

Winnipeg

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION

2015 COMMINUTOR CHAMBER PIPING &

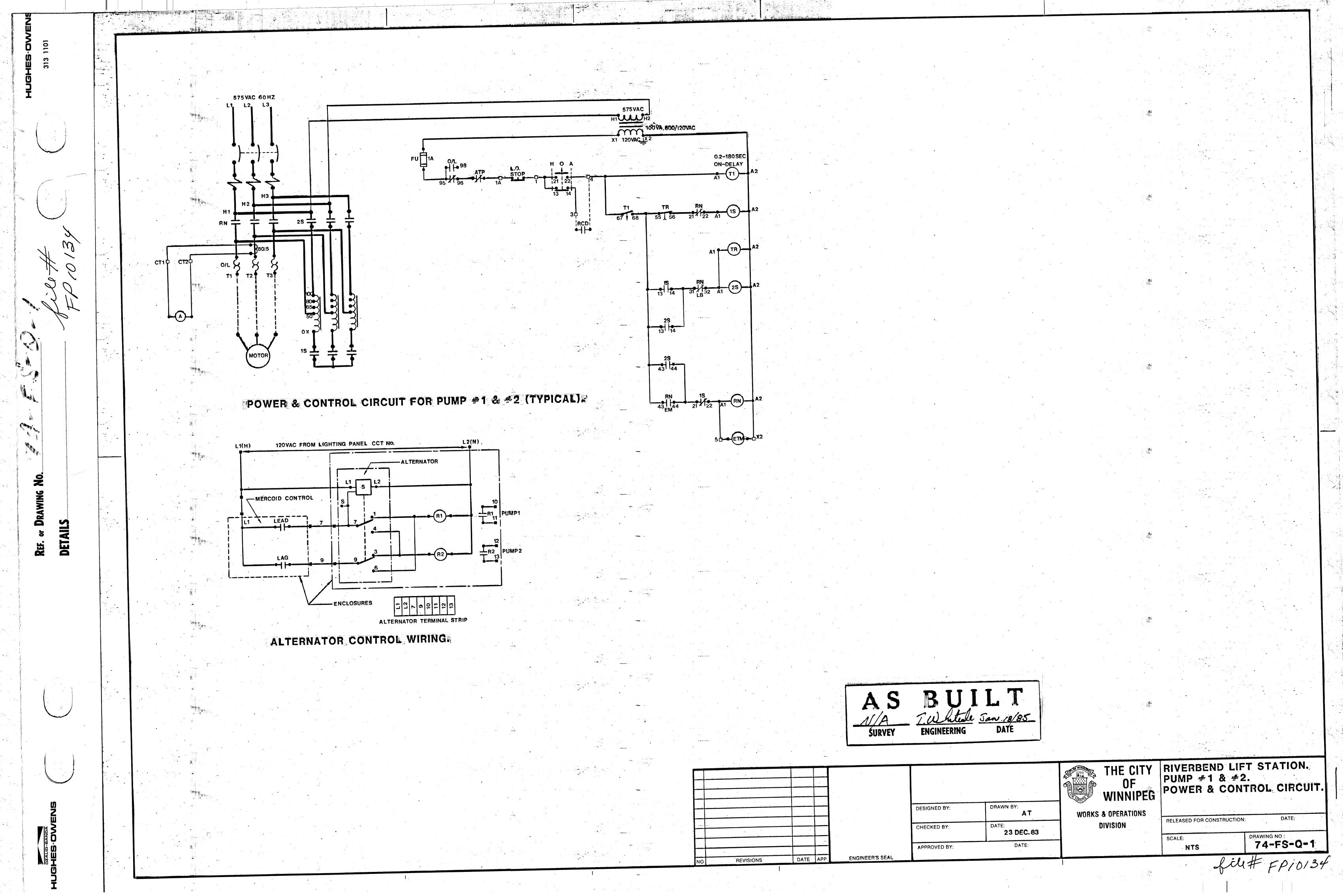
AND PORTAGE AVENUE

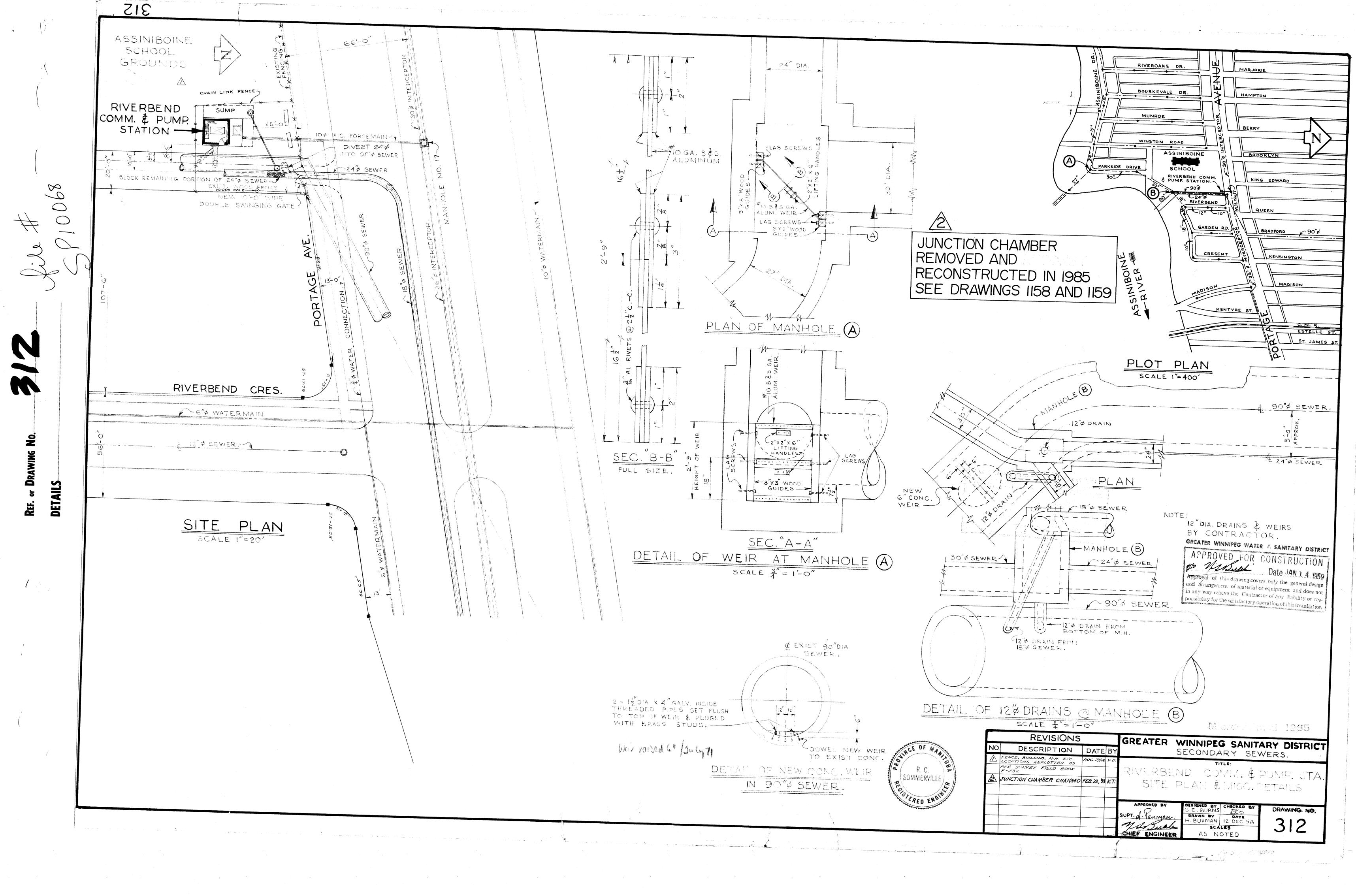
VALVE UPGRADES RIVERBEND LIFT STATION LANE WEST OF RIVERBEND CRESCENT

CITY DRAWING NUMBER -0178L-M0001-001

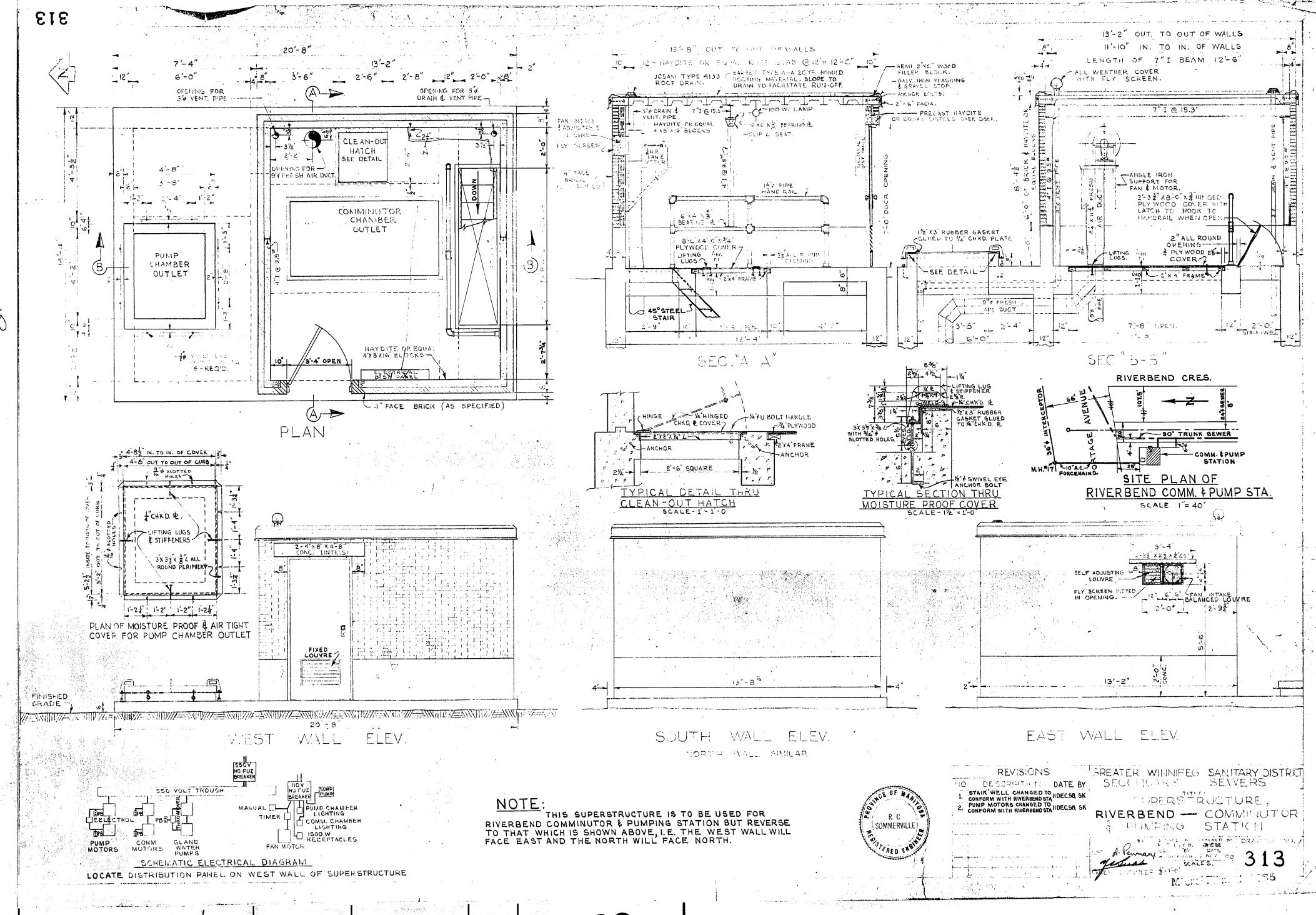
SHEET 12 OF 12

FILE PATH: R:\DRAWINGS\SEWER\
FILE NAME: 1-0178L-M0001-001.dwg BID OPPORTUNITY: 822-2015









29x

13'-2" OUT, TO OUT OF WALLS 20'-8" 13'-8' OUT, TO OUT. OF WALLS II'-10" IN. TO IN. OF WALLS 12'-6" LENGTH OF 7"I BEAM ---ALL WEATHER COVER -ROSFING MATERIAL, SLOPE TO DRAIN ROOF FRAMI-----3" VENT. PIPE, OPENING GALY, IRON FLASHING DRAIN & VENT PIPE TO FACILITATE RUN-OFF & GRAVEL STOP 7"I@:5.3# PRECAST HAYDITE OR ANCHOR BOLTS CLEAN-OUT HATCH PELECTRICAL DISTRIBUTION PANEL FOR FAN & MOTOR 1支 P PIPE HANDRAIL - 2-34 × 8-0" x 4" HINGED HAMBEL LATCH TO HOOK TO - GINANĂ OUTLET HANDRAL WHEN OPEN. BEARING & WITH 2"X A" FRAME, /8'-0"X 4'-0"X 3"PLY. COVER WITH PUMP 2"X4" FRAME. CHAMBER OUTLET - LIFTING D LUGS -FIZIZOPIPE HANDE AIL 45°STEEL 9" FRESH AIR DUCT STAIR -----7'-8" OPEN. 3'-8" OPEN. - 4"X8" X IG" HAYDITE BLOCKS OR EQUAL 立中 SWIVEL EYE 3-4" OPEN. ANCHOR BOLTS 8-REQD. -SEC. "A-A 4" FACE BRICK AS SPECIFIED, \_\_\_/ DETAILS 2-4"x8" X4'-8" CONC. LINTELS GREATER WINNIPEG WATER & SANITARY DISTRICT APPROVED FOR CONSTRUCTION Medical Date JAN 1 4 1959 4"FACE BRICK AS SPECIFIED. 4"FACE BRICK -FLY SCREEN FITTED IN OPENING. AS SPECIFIED in any way relieve the Contractor of any liability or res ponsibility for the satisfactory operation of this installation - FAN INTAKE & 4" FACE BRICK BALANCED LOUVRE, AS SPECIFIED. FIXED LOUVRE MOISTURE PROOF COVER. 13'-2" 20'-8' WEST WALL ELEV. SOUTH WALL ELEV. WALL ELEV. NORTH WALL SIMILAR. Micro-Timed 1965 MANUAL BREAKER PUMP

MANUAL PUMP CHAMBER

LIGHTING

LIGHTING

LIGHTING

LIGHTING

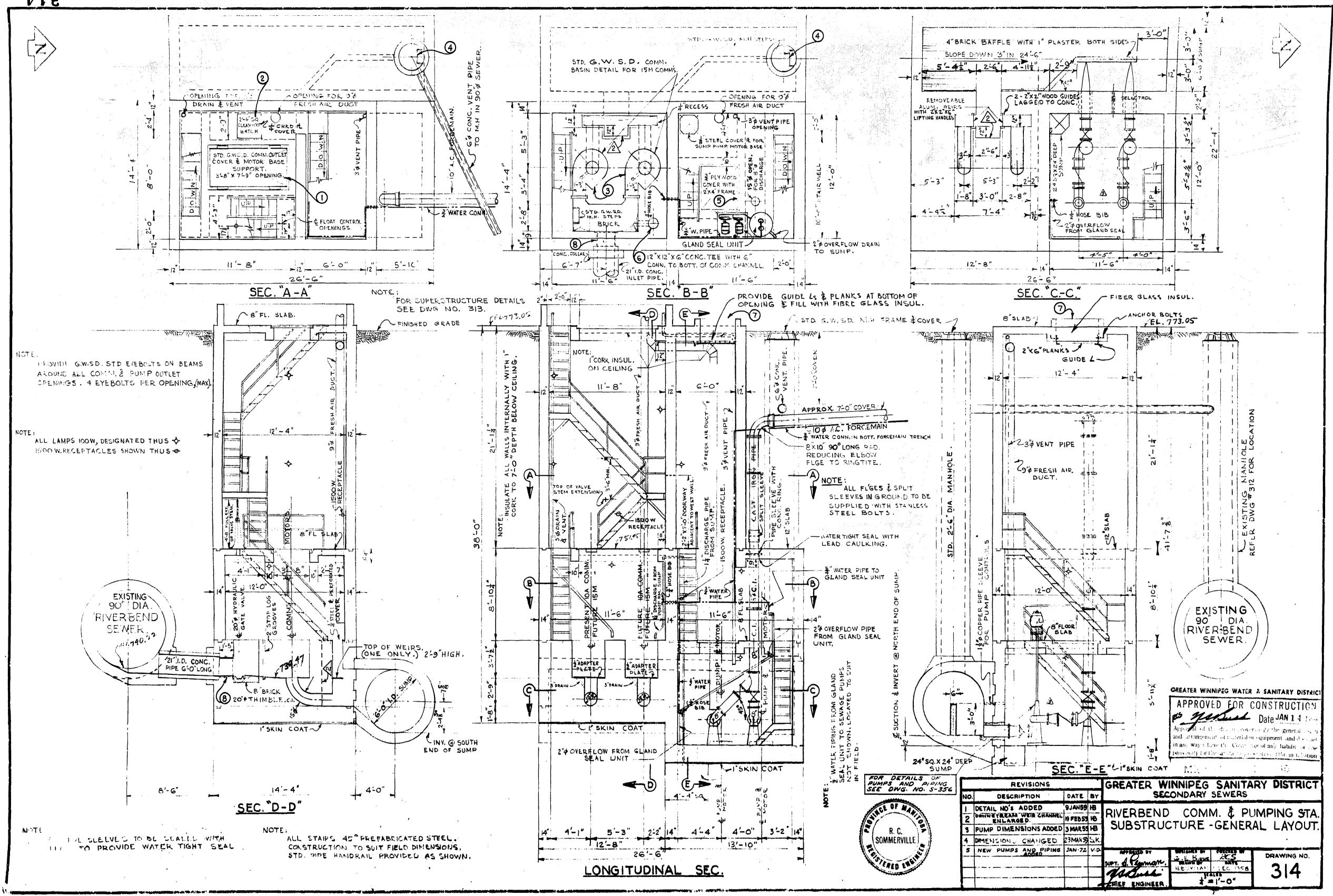
LIGHTING

LIGHTING

FAN MICTOR 550 VOLT TROUGH REVISIONS GREATER WINNIPEG SANITARY DISTRICT DESCRIPTION DATE BY DETAIL NO.'S. ADDED 9JAN59 18 COMM FOGLAND
MOTORS WATER
PUMPS STA. SUPERSTRUCTURE SOMMERVILLE SCHEMATIC ELECTRICAL DIAGRAM. LOCATE DISTRIBUTION PANEL ON EAST WALL OF SUPERSTRUCTURE,

NOTE: THIS DWG SUPERCEDES DWG NO. 313.

A-E1E



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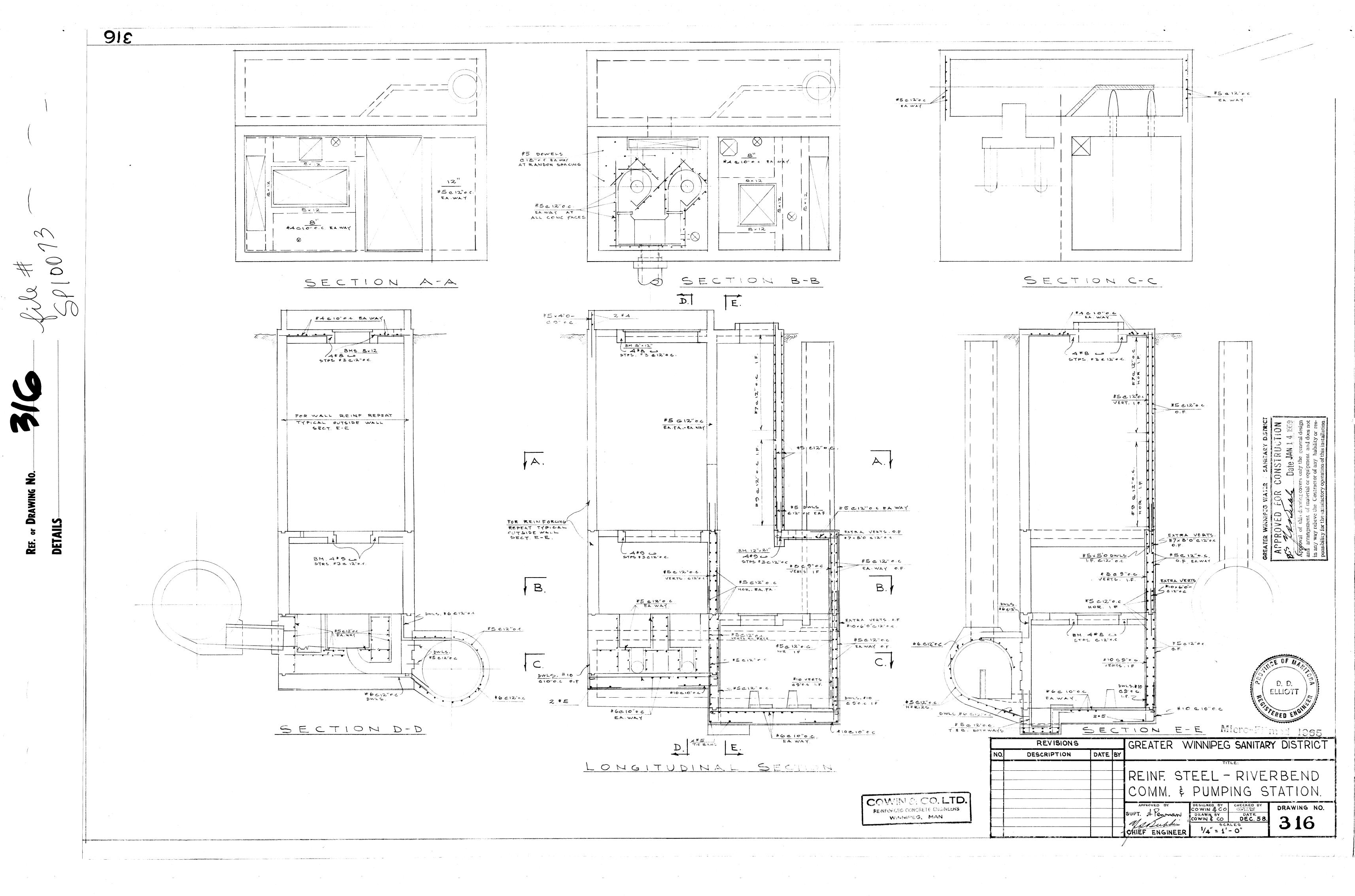
315 PRESSURE
REDUCING VALVE
OUTLET 35-45 P.S.I. 45 GAL. DRUM SCHEMATIC PIPING LAYOUT ENSURE LOCKING
IN PROPER POSITION CHKO R OR WOOD REMOVABLE SCALE 3"=1-0" SCALE! 1=1-0" LOCATION BUT IT DOES PROVIDE PERTINENT, DETAIL & SOM NI & PUMP STATION GENERAL LOCATION . SEE DWG.NO. 314 FOR SPECIFIC LOCALITY. 2'-3" & DISCHARGE HOLE 3" ANCHOR BOLTS 50ALE /=1-0 DIMENSION FOR SUMP PUNIP MOTOR MUST BE CHECKED WITH PUMP & MOTOR SUPPLIED. **DETAILS** TEEL A 1 12 0 COPPER PIPE COPENING 7"pHOLES)1 DIRECTION OF FLOW 1-30 DISCHARGE TH DISCHARGE 1-6"¢ о М PLAN ADAPTER P FOR 1-3" DISCHARGE HOLE SCALE 1"=1-0" PLAN EXIST. 6-10 X 8-10" TYLE HORST SEWER. SELECTROL 5'-0"

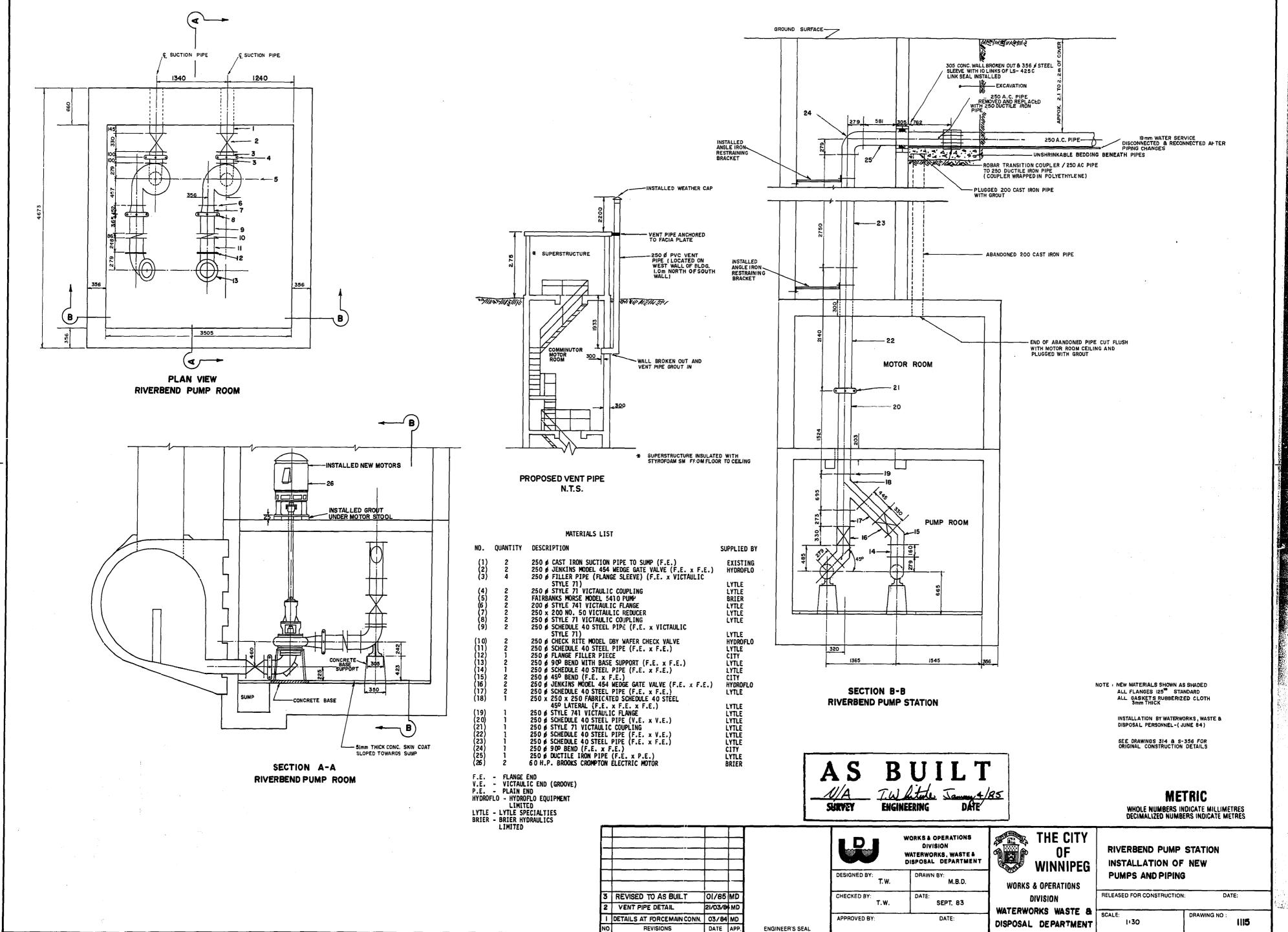
CONTROL N.T. S.

BRACKET 20" 20" 12" DIA . COPPER PIPE SLEEV 8 SUCTION PIPE SLEEVES SUMP PUMP MOTOR--14"DIS CHARGE N.T.S. DETAIL & LOCATION OF STD. SELECTROL CONTROL BRKT. \$ ANCHOR BOLT 8"LG. 4"=1'-0" GREATER WINNIPEG SANITARY DISTRICT SECONDARY SEWERS REVISIONS NO DESCRIPTION DATE E 4" 1'-2" 4" MISC. DETAILS RIVERBEND- COMMINUTOR & PUMPING STATION. TO EXIST CONC. SOMMERVILLE DETAIL OF SUMP PUMP 42 KONC, KOLLAR DESIGNED BY CHECKED BY STANDARDS GEB

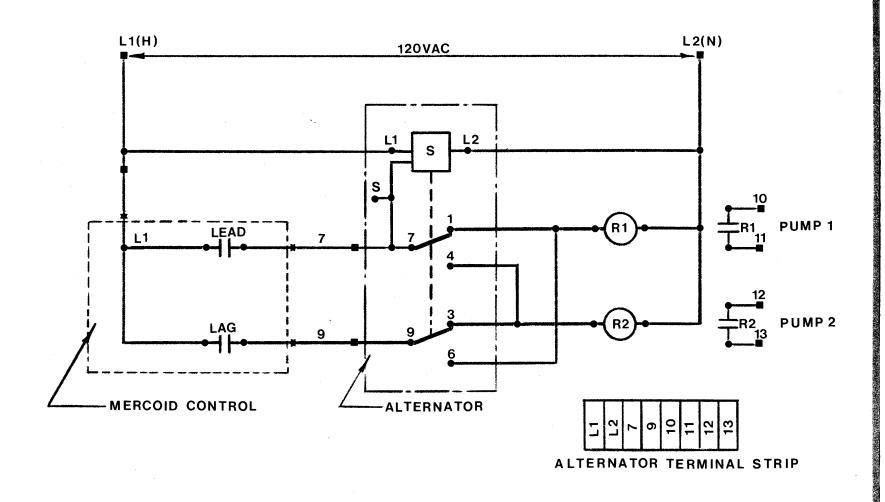
DRAWN BY DATE
H. BUXMAN 2 DEC 58 MOTOR BASE VERTICAL 315 SCALE 1"= 1'-0" CHEF ENGINEER DETAIL OF WEIR IN TYLEHURIST AS NOTED.

REF. of DRAWING NO.





TATCH SPERMING JAME 1982



NOTE: LOAD PILOT CONTACTS R1 & R2 RATED 10A AT 120V & 6A AT 240V. USE POWER FROM EXTERNAL SOURCE.

ms lays

City Of Winnipeg Reference Spec. No. Works & Operations Department Designed By: Drawn By: Scale: ΑT SWITCH FUNCTION ONLY STATIONS. SOLID STATE NTS Checked By: 7 DEC.83 ALTERNATOR. Drawing No. Approved: L-S-35

