

>mD-Q PIPE FLANGED END - DETAIL

NEW FABRICATED FLANGE, F1, TYP.x2

500×400± EXISTING 350¢ PUMP DISCHARGE ELBOW C/W BASE SUPPORT EXISTING ELBOW BASE SUPPORT; EMBEDED IN NEW CONCRETE BASE PAD, MIN. 50mm EMBEDMENT; ENSURE LEVEL INSTALLATION 10M BOTH WAYS 3 PLACES -20mPa CONCRETE CIFAN AND ROUGH UP EXISTING PIT FLOOR ─15M DOWELS EPOXY GROUTED, MIN. 150mm EMBEDMENT, 4PLC'S

NEW CONCRETE BASE ELBOW SUPPORT PAD

- NEW 3500 PUMP DISCHARGE RISER 25mm BAR STOP, 50mm LONG, BOTH SIDES PIPE CLAMP, S1; ADJUST LOCATION TO SUIT SUPPORT L100x100x6 SUPPORT BRACKET, ANCHORED TO BEAM, 600mm LONG EXISTING SUMP PIT CONCRETE BEAM, 300x600 BEARING BEAM SS ANCHOR, KB II 304SSCF 1/2-3 L75x75x6 LATERAL SEAT, WELDED TO SUPPORT BRACKET, x2, LENGTH TO SUIT

NOTE PIPE SUPPORT, TYP. x2, AT EACH BEARING BEAM ALL STRUCTURAL STEEL SHALL BE PAINTED

NEW RISER CLAMP SUPPORT

#APEGN

No.2906 Date: __

FIELD BOOK #: B.M. ELEV. ALLIANCEPOSTED TO LBIS Engineering Services Inc. DESIGNED AFG/AS AFG APPROVED HOR. SCALEAS SHOWN RELEASED FOR CONSTRUCTION 0 ISSUED FOR TENDER 2011-03-23 AFG 2011-02-24 AFG VERTICAL A ISSUED FOR REVIEW 2011-02-23 DATE NO. REVISIONS DATE BY DATE



М3

FABRICATION MATERIALS

350

ERECTION MATERIALS SIZE (MM)

350

5/8

VALVES / IN-LINE ITEMS

350

350

CUT PIPE LENGTH

PIPI

FLGSLP

GAS4

BOLTLUG4

PCOUPLING

PCLAMP

PIPE SURFACE PREPARATION AND PAINTING

A53 GR B PIPE, SCH 40, C.S., BW, EPDXY COATED

5/8' BOLTS; FIELD CHECK BEFORE FLANGE FABRICATION

1' THICK, ASTM A36 CUSTOM FLANGE TO SUIT EXISTING, BC 1'-4 3/4',

ASTM D1330 GASKET, FF 150LB, 3mm, RUBBER, TRIM TO SUIT PUNCH HOLES TO SUIT BOLT CIRCLE

ANSI BI6.5 5/8 C.S. BOLTS (FIELD CHECK EXISTING), A307 GR. A SQ. HD, WITH A563 NUTS, GR. A, HEX

PIPE COUPLING, ROBAR 1408, EPOXY COATED OR APPROVED EQUAL

HEAVY DUTY CLAMP, ANVIL FIG 216 EPDXY CDATED, OR APPR. EQ. PROVIDE STR. STEEL FRAME TO SUIT

SQ. SQ, 330mm FIELD TRIM.

SURFACES MUST BE CLEAN AND DRY. EMPLOY ADEQUATE METHODS TO REMOVE DIRT, DUST AND ALL OTHER CONTAMINANTS THAT COULD INTERFERE WITH ADHESION OF THE COATING TO SSPC-SP-6/NACE NO. 3, COMMERCIAL BLAST CLEANING.

APPLICATION
WITHIN 4 HOURS OF THE CLEANING, AND WITH METAL TEMP. ABOVE MIN. 5' C, APPLY A 2 COMPONENT
EPOXY PAINT.
COVER FLANGE FACES, TO PROTECT MATING SURFACES FROM PAINT SPLATTER
ALLOW TO CURE
VISSUALY, INSPECT THE PAINT COATING FOR DEFECTS; REPAIR ANY DEFFECTS USING SAME PAINT SYSTEM AS
REPAIR MATERIAL
EFFORM MATERIAL
EFFORM PAINT ANY SERVICE OR PREAME, IN SURFACE PAINT, USING SAME PAINT SYSTEM AS

FIELD REPAIR/PATCH ANY SCRATCHES OR BREAKS IN SURFACE PAINT, USING SAME PAINT SYSTEM AS PAINTING MATERIAL

PIPE

FLANGES F1 2 350

GASKETS

2

BOLTS

24

PIPE SUPPORTS

PIPE SPOOLS 12

PIECE LENGTH NO (FT-INS)

(PS1) 3035 (PS2) 3365

PCI 1

2 12

G1

6400

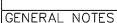
Winnipeg

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT

RUE DE LA VERENDRYE PUMPING STATION SHEET 1 OF 1

FLOOD PUMPING STATION PUMP DISCHARGE PIPE REPLACEMENT PIPING DETAILS AND SPECIFICATION

CITY DRAWING NUMBER 1-0154L-M0003-001



PERFORM ALL WORK IN ACCORDANCE WITH ALL APPLICABLE CODES, STANDARDS AND PROVINCIAL MECHANICAL ENGINEERING & INSPECTIONS BRANCH REQUIREMENTS.

COORDINATE WORKS WITH OTHER SUB-TRADES, REFER TO SPECIFIC DETAILS FOR CUTTING AND SEALING PENETRATIONS THROUGH OPENINGS & FIRE SEPARATIONS.

REFER TO TECHNICAL SPECIFICATIONS FOR PIPING AND FITTINGS MATERIAL SPECIFICATIONS AND INSTALLATION CONSTRUCTION REQUIREMENTS.

INVESTIGATE SITE PRIOR TO CONSTRUCTION TO CONFIRM ALL DIMENSIONS AND INSTALLATION REQ'S. PERFORM ALL CUTTING & PATCHING NECESSARY FOR ANY REQUIRED OPENINGS.

NOT ALL EQUIPMENT/PIPING, ETC. IS SHOWN.