

GENERAL NOTES:

1. FIELD CONFIRM EXISTING BUILDING AND NEW SYSTEM PUMP AND PIPING SYSTEM DIMENSIONS TO CONFIRM THE FINAL LAYOUT WILL FIT AS SHOWN.
2. PIPING SYSTEM LAYOUT SHOWN AS STEEL.

KEYNOTES:

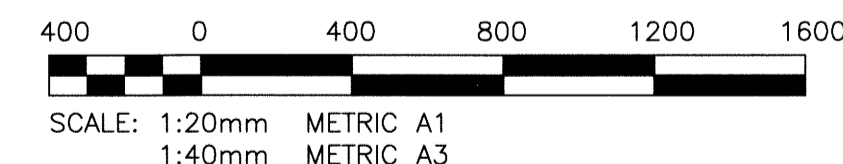
- 1 - CORE OUT EXISTING INTAKE PIPES. DEMOLISH CONCRETE INSIDE WET WELL AS REQUIRED TO REMOVE EXISTING PIPE AND INSTALL NEW 300mm INTAKE PIPES AS FAR AS POSSIBLE THROUGH WALL. SHAPE CONCRETE INTAKE INSIDE WET WELL TO ACHIEVE A FULL 300mm DIAMETER CLEAR INTAKE TO THE NEW INTAKE PIPE. FINISH CONCRETE TO PROVIDE A SMOOTH FINISH.
PROVIDE MINIMUM 25mm HIGH WATER STOP FLANGE ALL AROUND PIPE. SEE STRUCTURAL DRAWINGS FOR OPENING SEALING DETAILS. EXISTING DRAWINGS SHOW WALL AS 450mm THICK.
- 2 - PROVIDE NEW 38mm 316SS SCH.10 PIPE INTO THE WET WELL. SEAL PIPING TO WALL OPENING. MOUNT TWO PRESSURE SENSORS AS SPECIFIED BY ELECTRICAL. CONFIRM MOUNTING DETAILS AND CLEARANCES BEFORE FABRICATING AND INSTALLING. CONNECT A 19mm DOMESTIC WATER LINE AND SHUT OFF VALVE TO PERMIT BACK FLUSHING OF THE SENSOR INLET PIPING.
PROVIDE MINIMUM 25mm HIGH WATER STOP FLANGE ALL AROUND PIPE. SEE STRUCTURAL DRAWINGS FOR OPENING SEALING DETAILS. EXISTING DRAWINGS SHOW WALL AS 450mm THICK.
- 3 - EXISTING SUMP PIT. REMOVE EXISTING PUMP AND INSTALL NEW PUMP AND DISCHARGE PIPE.
INSTALL CHECK VALVE AND SHUT-OFF IN DISCHARGE PIPE. MAINTAIN ACCESSIBILITY TO VALVES WITHIN PUMP ROOM.
- 4 - THIS GATE VALVE SHALL BE NON-RISING STEM TYPE C/W BEVEL GEAR OPERATOR WITH GREASE CASE AND POSITION INDICATOR.

PLAN - PUMP ROOM

SCALE: 1:20

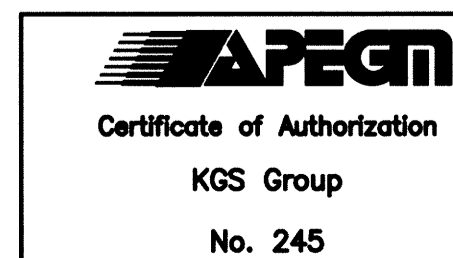
SUMP PUMP SCHEDULE

| UNIT No. | MAKE & MODEL | LOCATION | MOTOR (Kw) | VOLTS/PH/Hz | SPEED (RPM) | NOTES |
|----------|---------------|--------------------|------------|-------------|-------------|---|
| SP-L51 | GOULDS SP035V | PUMP ROOM SUMP PIT | 0.25 | 120/1/60 | 3400 | C/W POWER CORD, BUILT-IN VERTICAL TYPE FLOAT SWITCH, 40mm DISCHARGE |



METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES



| | | | | | |
|---------------------------|----------|---------------------------|------------|-----------------|--|
| FIELD BOOK # | | | | ENGINEER'S SEAL | |
| POSTED TO LBIS | | | | | |
| DESIGNED BY | RED | CHECKED BY | js | | |
| DRAWN BY | RP | APPROVED BY | | | |
| HDR. SCALE | AS NOTED | RELEASED FOR CONSTRUCTION | K. ZURIK | M03 | |
| VERTICAL | AS NOTED | DATE | 2014/06/16 | | |
| 0 ISSUED FOR CONSTRUCTION | 14/06/16 | DATE | 2013 07 31 | | |
| NO. REVISIONS | DATE | BY | DATE | | |

THE CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 AUBREY WASTEWATER PUMPING STATION UPGRADE
 1016 PALMERSTON AVE.
MECHANICAL
 PROCESS PIPING - PUMP ROOM PLAN

SHEET 1 OF 1
 CITY DRAWING NUMBER
 1-0116L-M0003-001