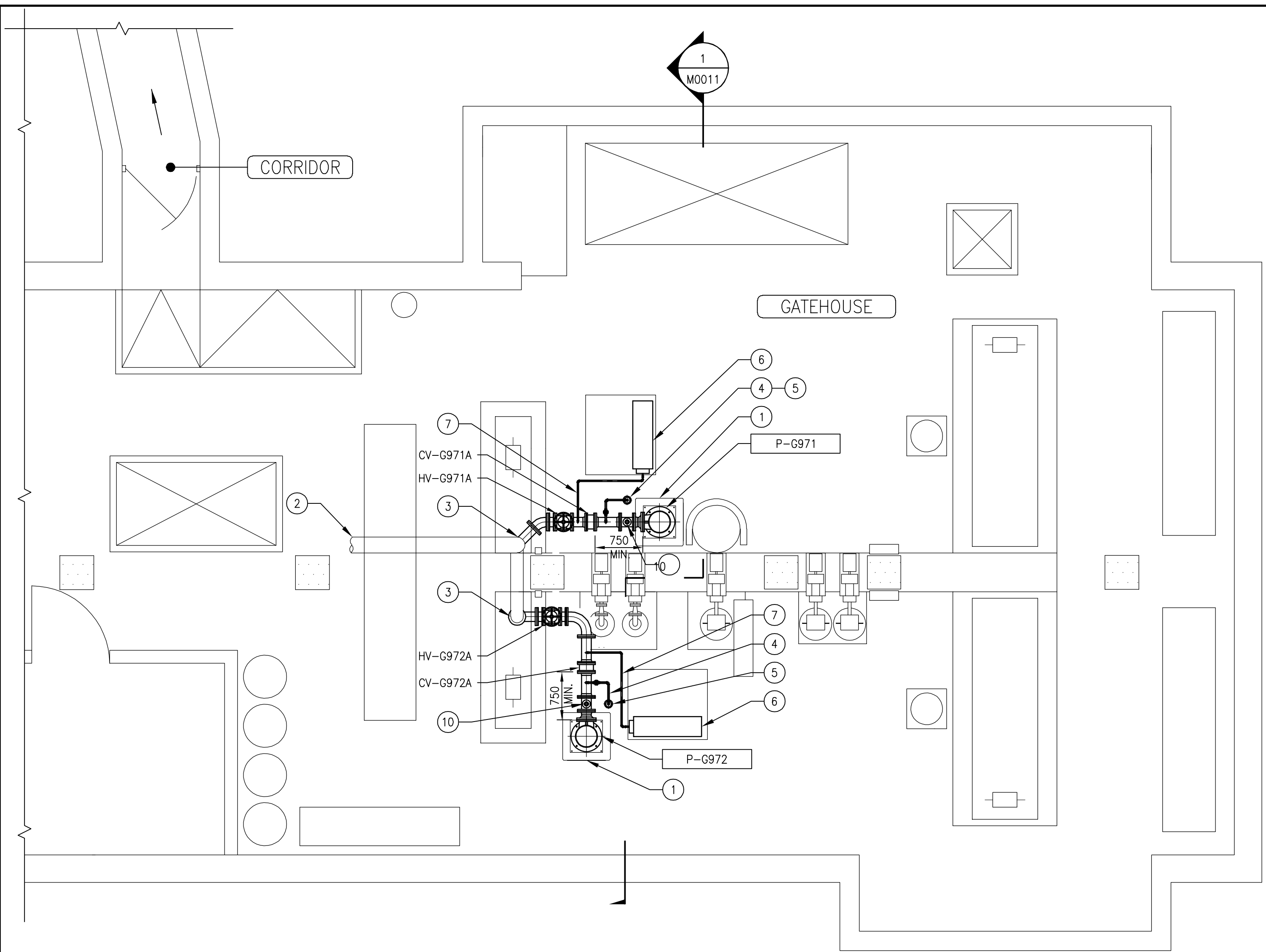


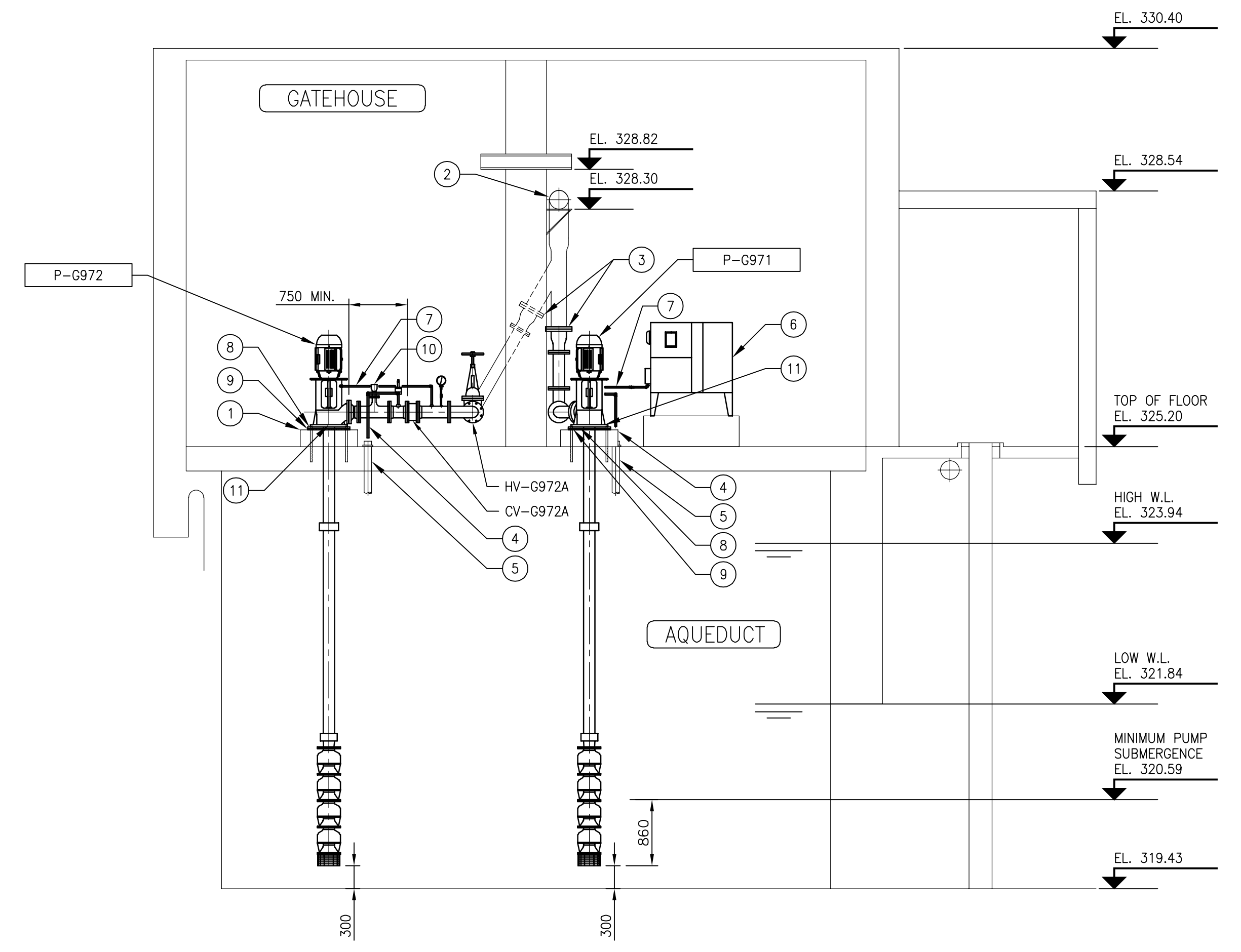
D SIZE 22" x 34" (559mm x 864mm)

PLOT: 5/8/2018 11:16:14 AM

AECOM REVIEW DRFT CHK
AECOM FILE NAME: M0012.dwg Saved By: landersd



GATEHOUSE - FIRE PUMP INSTALLATION PLAN
SCALE: 1:50
0 1250 2500 mm



1 SECTION
SCALE 1:50
0 1250 2500 mm

DRAWING NOTES

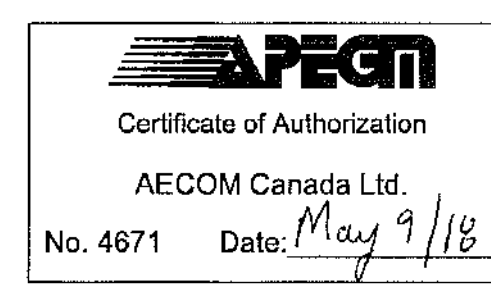
- ① EXISTING CONCRETE PUMP BASE AND ANCHORS TO BE REUSED FOR NEW ELECTRIC FIRE PUMP.
- ② EXISTING 250Ø FIRE MAIN
- ③ CONNECT NEW 150Ø FIRE SUPPLY FROM PUMP INTO EXISTING 200Ø RISER.
- ④ 20Ø CIRCULATION RELIEF VALVE. RUN TO EXISTING 100mm RETURN PIPE TO AQUEDUCT c/w AIR GAP.
- ⑤ EXISTING 100mm RETURN PIPE TO AQUEDUCT. TERMINATE TOP OF PIPE 150mm A.F.F.
- ⑥ ELECTRIC FIRE PUMP CONTROL PANEL.
- ⑦ 12Ø PRESSURE SENSING LINE. SEE DRAWING P0008 FOR PIPING AND VALVING REQUIREMENTS.
- ⑧ NEW TRANSITION BASE PLATE TO BE MOUNTED ON EXISTING PUMP BASE. SEE DETAIL 2/P0008.
- ⑨ LEVEL NEW TRANSITION BASE PLATE WITH 19mm NON-SHRINK GROUT OR AS ALLOWED BY EXISTING PUMP BASE ANCHORS. PROVIDE DAM AROUND BASE OPENING TO PREVENT GROUT FROM FALLING INTO AQUEDUCT BELOW.
- ⑩ AUTOMATIC AIR RELEASE VALVE. SEE DETAIL 1/P0008.

- ⑪ PUMP SEAL DRAIN LINE. PIPE INTO RETURN PIPE TO AQUEDUCT. REFER TO NOTE 5.

GENERAL NOTES

- 1. ALL ELEVATIONS TO BE SITE VERIFIED PRIOR TO ORDERING NEW ELECTRIC FIRE PUMPS.

DRAWING NUMBER	REFERENCE DRAWINGS
-0600A-M0003-001-00	MECHANICAL - PUMPHOUSE AND GATEHOUSE DEMOLITION PLANS
-0600A-M0004-001-00	MECHANICAL - PUMPHOUSE AND GATEHOUSE DIESEL FUEL SYSTEM PLANS
-0600A-M0010-001-00	MECHANICAL - GATEHOUSE FIRE PUMPS DEMOLITION PLAN



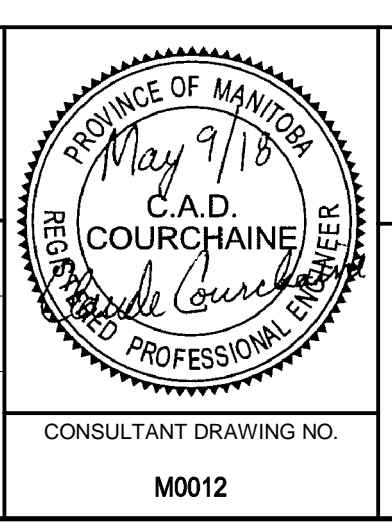
LOCATION APPROVED
UNDERGROUND STRUCTURES

SUPR. U/G STRUCTURES DATE COMMITTEE

NOTE:
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.

NO.	REVISIONS	YYMMDD	BY
0	ISSUED FOR PHASE 2 & 3: BID OPP. 502-2017	18/05/09	DRL

AECOM	
DESIGNED BY CC	CHECKED BY GD
DRAWN BY DRL	APPROVED BY
HOR. SCALE 1:50	RELEASED FOR CONSTRUCTION
VERT. SCALE	
DATE	DATE



BID OPPORTUNITY NO. 502-2017

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

SHOAL LAKE
AQUEDUCT INTAKE FACILITY
FIRE PUMP UPGRADES
MECHANICAL
NEW FIRE PUMPS
INSTALLATION PLAN AND DETAILS

SHEET 24 OF 27	REV 0
CITY DRAWING NUMBER	1-0600A-M0012-001