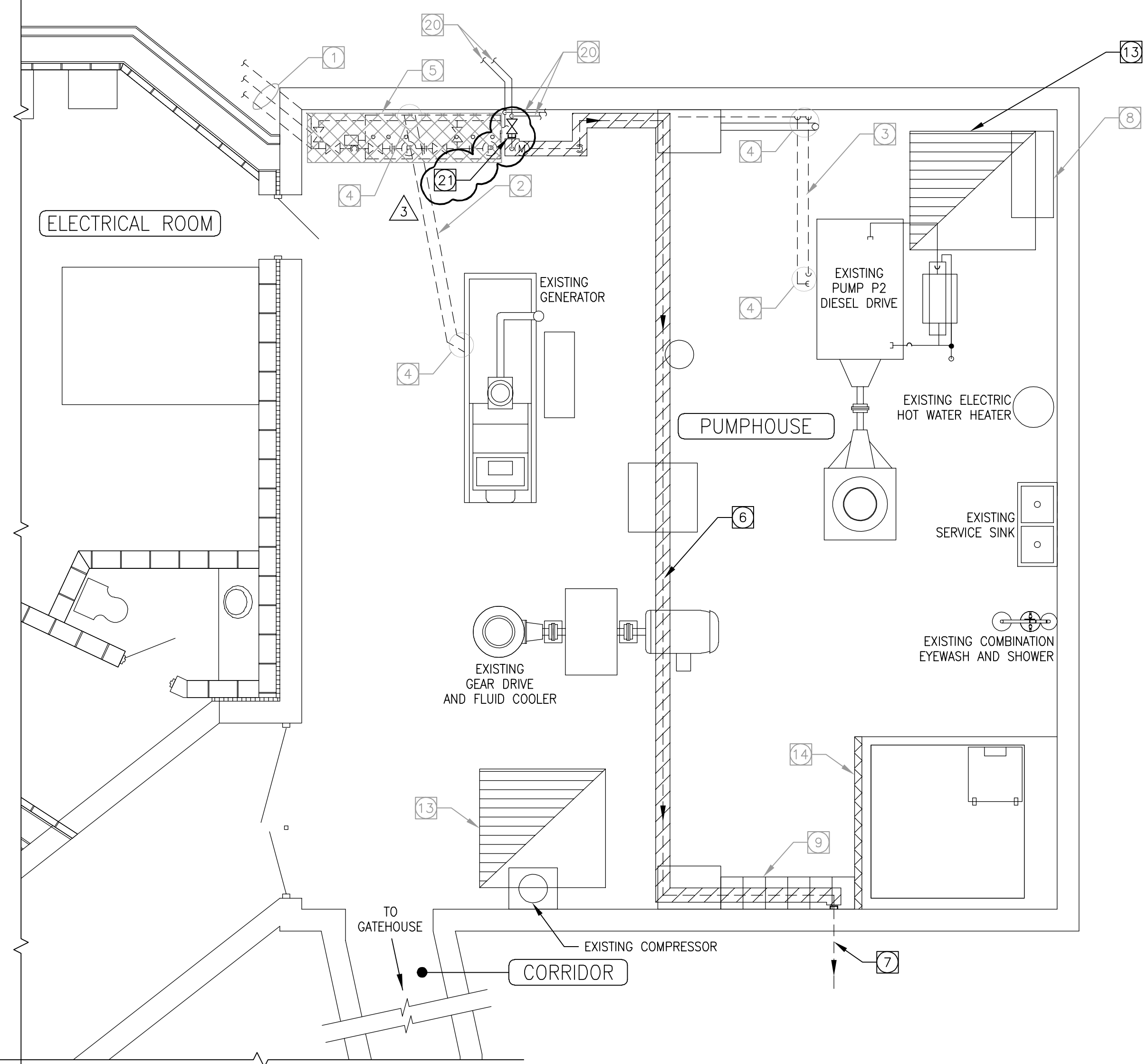
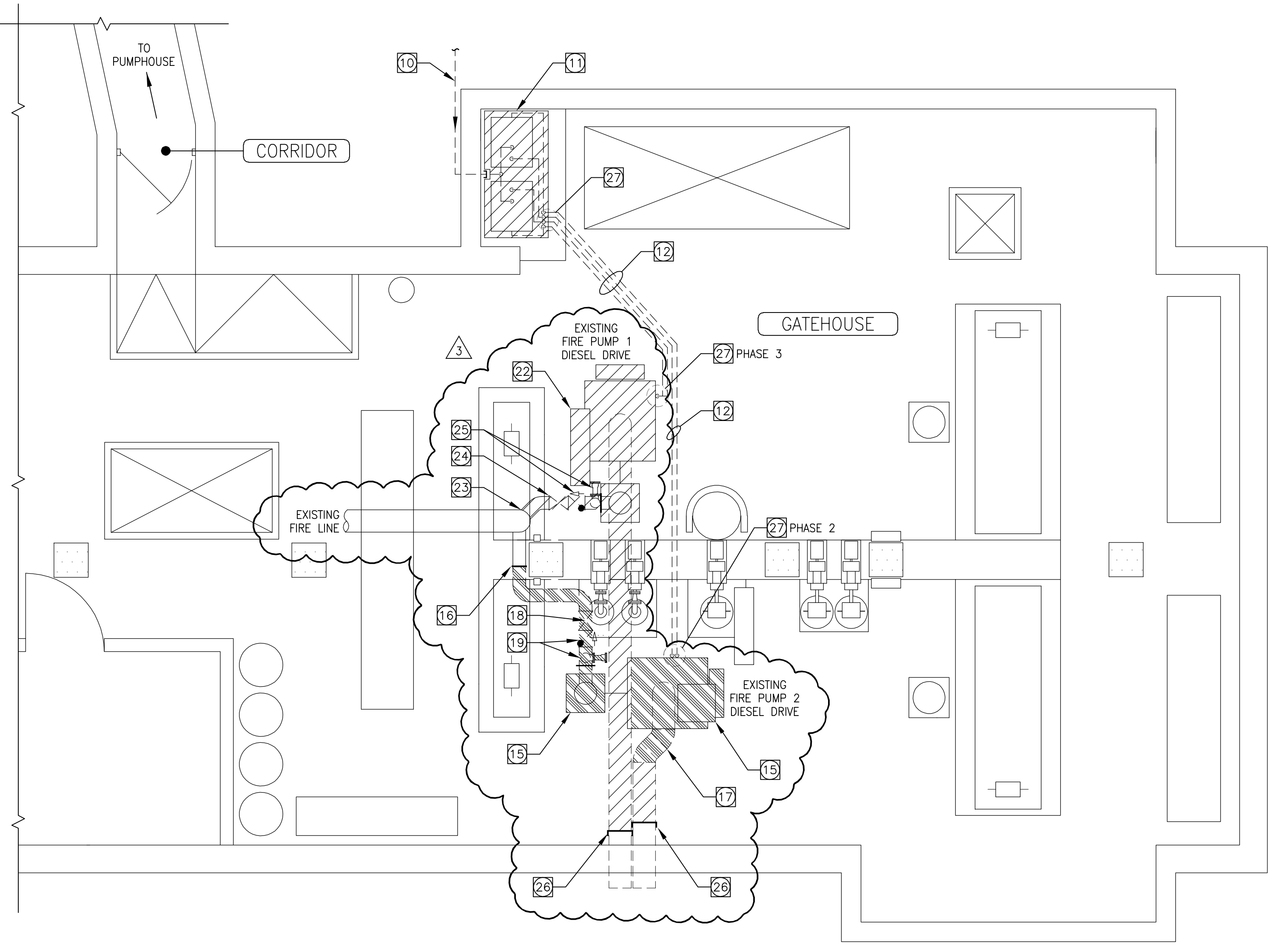


D SIZE 22" x 34" (559mm x 864mm)

PLOT: 5/8/2018 11:14:51 AM



PUMPHOUSE - DEMOLITION PLAN
SCALE: 1:50
0 1250 2500 mm



GATEHOUSE - DEMOLITION PLAN
SCALE: 1:50
0 1250 2500 mm

DEMOLITION LEGEND

- 3 PHASE 1 SCOPE/AREA OF DECOMMISSIONING AND DEMOLITION.
NOTE: THIS WORK IS COMPLETED AND THUS SHOWN IN A LIGHTER LINETYPE ON DRAWING.
- PHASE 2 SCOPE/AREA OF DECOMMISSIONING AND DEMOLITION. REMOVAL OF EXISTING FIRE PUMP No. 2 AND DIESEL DRIVE. EXISTING FIRE PUMP No. 1 TO REMAIN OPERATIONAL.
- PHASE 3 SCOPE/AREA OF DECOMMISSIONING AND DEMOLITION. NEW ELECTRIC FIRE PUMP No. 2 ASSEMBLY TO BE FULLY OPERATIONAL PRIOR TO START OF THIS DEMOLITION PHASE UNLESS OTHERWISE NOTED.

DEMOLITION NOTES

- 1 DECOMMISSION AND ABANDON EXISTING DUAL WALL PIPING FROM THE EXISTING OUTDOOR FUEL VAULT TO THE PUMPHOUSE. SEE GENERAL NOTES 2 AND 6.
- 2 DECOMMISSION AND ABANDON EXISTING GENERATOR FUEL SUPPLY AND RETURN PIPING UNDER FLOOR. SEE GENERAL NOTE 2.
- 3 DECOMMISSION AND ABANDON EXISTING LOW LEVEL PUMP FUEL SUPPLY AND RETURN PIPING UNDER FLOOR. SEE GENERAL NOTE 2.
- 4 DEMOLISH ABOVE FLOOR PIPING. CUT PIPING AS FLUSH TO FLOOR AS POSSIBLE. SEE GENERAL NOTE 6.
- 5 REMOVE EXISTING TANK AND ALL ASSOCIATED PIPING, INCLUDING VALVES, SUPPORTS, PUMP, STRAINER/FILTER, AND SECONDARY CONTAINMENT ON FLOOR.
- 6 DEMOLISH OVERHEAD FUEL OIL PIPING, VALVES AND METER RUNNING TO GATEHOUSE.
- 7 IN PHASE 3, DECOMMISSION AND ABANDON EXISTING DUAL WALL PIPING RUNNING FROM THE PUMPHOUSE TO THE EXISTING AUXILIARY TANKS IN GATEHOUSE. SEE GENERAL NOTES 2 & 6.
- 8 EXISTING STORAGE CABINET TO BE RELOCATED BY CITY.
- 9 EXISTING FULL HEIGHT LOCKERS TO BE RELOCATED BY CITY.
- 10 IN PHASE 3, DECOMMISSION AND ABANDON EXISTING DUAL WALL PIPING RUNNING FROM THE PUMPHOUSE TO THE EXISTING AUXILIARY TANKS IN GATEHOUSE. SEE GENERAL NOTES 2 & 6.
- 11 REMOVE EXISTING AUXILIARY TANKS AND ALL ASSOCIATED PIPING, INCLUDING VALVES AND SUPPORTS. EXISTING FUEL OIL TO BE RELOCATED TO NEW DIESEL STORAGE TANK.
- 12 DECOMMISSION AND ABANDON EXISTING FUEL SUPPLY AND RETURN PIPING UNDER FLOOR SERVING FIRE PUMP 2 DURING DEMOLITION PHASE 2 AND EXISTING FUEL SUPPLY AND RETURN PIPING UNDER FLOOR SERVING FIRE PUMP 1 DURING DEMOLITION PHASE 3. SEE GENERAL NOTES 2 AND 6.
- 13 EXISTING VENTILATION PLENUM AT HIGH LEVEL TO REMAIN.
- 14 EXISTING WOOD CURBING TO BE DEMOLISHED AND REPLACED WITH NEW CAST-IN-PLACE CONCRETE. SEAL TO EXISTING FLOOR WITH SUITABLE SEALANT. SEE DETAIL 4/S0003.
- 15 DEMOLISH EXISTING FIRE PUMP 2 AND DIESEL DRIVE, INCLUDING ALL ASSOCIATED PIPING, VALVES AND CONTROLS. REMOVE CONCRETE BASE FOR MOTOR. REFINISH FLOOR TO MATCH EXISTING.
- 16 CAP FIRE LINE WATER SUPPLY CONNECTION FOR FUTURE RE-CONNECTION WITH NEW ELECTRIC FIRE PUMP ASSEMBLY.
- 17 DEMOLISH DIESEL ENGINE DISCHARGE EXHAUST PIPING AND ALL ASSOCIATED SUPPORTS, FLEXIBLE CONNECTIONS AND FITTINGS BACK TO AND INCLUDING ELBOWS. STRAIGHT SECTION OF EXHAUST PIPE BACK TO WALL OUTLET TO REMAIN IN PLACE UNTIL PHASE 3 DEMOLITION.
- 18 EXISTING BUTTERFLY VALVE FOR FIRE PUMP 2 TO TO BE DEMOLISHED.
- 19 EXISTING CHECK VALVE AND PRESSURE RELIEF VALVE BE DEMOLISHED.
- 20 NEW 3/8" DFR AND 7/8" DFR LINES RUNNING FROM OUTDOOR FUEL VAULT TO NEW AUXILIARY TANK SERVING GENERATOR AND LOW LEVEL PUMP P2 INSTALLED IN PHASE 1.
- 21 CAP DFR PIPING AFTER VALVE.
- 22 DEMOLISH EXISTING FIRE PUMP 1 AND DIESEL DRIVE, INCLUDING ALL ASSOCIATED PIPING, VALVES AND CONTROLS. REMOVE CONCRETE BASE FOR MOTOR. REFINISH FLOOR TO MATCH EXISTING.
- 23 CAP FIRE LINE WATER SUPPLY BACK AT MAIN RISER FOR FUTURE RE-CONNECTION WITH NEW ELECTRIC FIRE PUMP ASSEMBLY.
- 24 EXISTING BUTTERFLY VALVE FOR FIRE PUMP 1 TO BE DEMOLISHED.
- 25 EXISTING CHECK VALVE AND PRESSURE RELIEF VALVE TO BE DEMOLISHED.
- 26 DEMOLISH DIESEL ENGINE DISCHARGE EXHAUST PIPING AND ALL ASSOCIATED SUPPORTS, FLEXIBLE CONNECTIONS AND FITTINGS SERVING FIRE PUMP 1 AND REMAINING PORTION OF DISCHARGE EXHAUST PIPING FORMERLY SERVING FIRE PUMP 2 BACK TO JUST BEFORE WALL. CAP AND SEAL REMAINING PORTION.
- 27 DEMOLISH ABOVE FLOOR PIPING. CUT PIPING AS FLUSH TO FLOOR AS POSSIBLE. SEE GENERAL NOTE 6.

GENERAL NOTES

1. NEW SYSTEM SHALL BE FULLY OPERATIONAL BEFORE DECOMMISSIONING OF EXISTING FUEL SYSTEM.
2. ALL EXPOSED EXISTING FUEL LINES SHALL BE REMOVED. BURIED LINES SHALL BE ABANDONED IN PLACE. PURGE AND CAP BOTH ENDS OF ABANDONED LINES WITH NON-SHRINK GROUT OR APPROVED EQUIVALENT IN ACCORDANCE WITH SECTION B7 OF THE ORIGINAL BID OPPORTUNITY.
3. PATCH AND SEAL ALL OPENINGS CREATED IN WALLS AND THE EXTERIOR CLADDING BY DEMOLITION OR INSTALLATION OF NEW PIPING TO MAINTAIN THE INTEGRITY OF THE STRUCTURE AND TO BE WATER-TIGHT. PROVIDE NEW CLADDING TO COVER EXISTING OPENINGS OF MATCHING PROFILE AND COLOUR TO THE EXISTING CLADDING. REPAINT WALL, FLOOR, AND CEILING SURFACES TO MATCH EXISTING COLOURS, SHEEN AND LUSTER.
4. THE INTERIOR WALLS OF THE PUMPHOUSE ARE COVERED IN CORK. THE CORK SHOULD BE NEATLY CUT BACK AT ANY OPENING. REPLACEMENT OF CORK IS NOT REQUIRED.
5. REMOVE EXISTING RUBBER FUEL HOSES FROM EXISTING CONNECTIONS OF THE DIESEL FUEL SUPPLY AND RETURN LINES TO THE SKID RAILS OF THE GENERATOR UP THE INLET OF THE EXISTING DUPLEX FUEL FILTER. ALL FUEL CARRYING PIPING/HOSES/DEVICES TO HAVE MINIMUM 540°C MELTING TEMPERATURE.
6. PROVIDE SIGNS AT INTERIOR WALL INDICATING ABANDONED IN PLACE BURIED FUEL LINES. SHOW TERMINATION POINTS OF ABANDONED LINES ON FINAL DRAINS INDICATING OFFSET FROM WALL AND INVERT ELEVATIONS. SIGNS SHALL BE 6mm BLACK CHARACTERS ON WHITE VINYL ON 20G ALUMINUM BACKING SCREWED TO WALL. SUBMIT PROPOSED SIGN LAYOUT FOR REVIEW.
7. CONTRACTOR SHALL COORDINATE ALL SHUTDOWNS WITH THE CITY. SHUTDOWNS SHALL BE COORDINATED IN ADVANCE DURING PROGRESS MEETINGS. A MINIMUM OF 3 WORKING DAYS ARE REQUIRED. THE CITY MAY RESCHEDULE SHUTDOWN TO ACCOMMODATE OPERATIONAL REQUIREMENTS. THIS WOULD INCLUDE BUT NOT BE LIMITED TO FUEL SYSTEMS, WATER SYSTEMS, ELECTRICAL SYSTEMS AND CONTROL SYSTEMS.

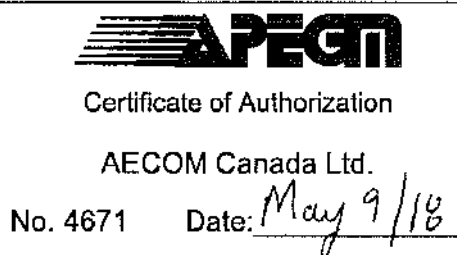
BID OPPORTUNITY NO. 231-2015

REVIEW	DATE	BY

1-0600A-S0003-001-00 STRUCTURAL - TANK SLAB DETAILS
DRAWING NUMBER REFERENCE DRAWINGS

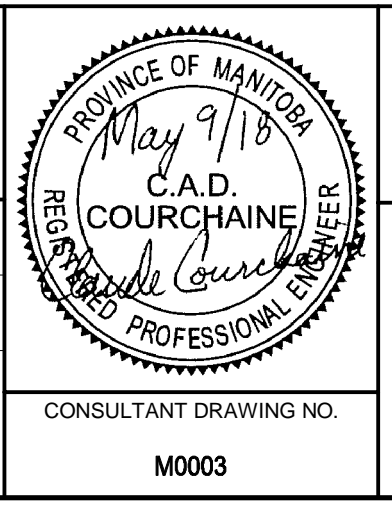
LOCATION APPROVED
UNDERGROUND STRUCTURES

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	DATE	BY
3	ISSUED FOR PHASE 2 & 3: BID OPP. 502-2017	18/05/09	DRL
2	ISSUED FOR CONSTRUCTION	15/07/27	DRL
1	ISSUED FOR ADDENDUM No. 1	15/05/14	DRL
0	ISSUED FOR TENDER, BID OPP. 231-2015	15/04/13	DRL

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



THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT

SHOAL LAKE INTAKE FUEL STORAGE AND DELIVERY SYSTEM REHABILITATION MECHANICAL

PUMPHOUSE AND GATEHOUSE DEMOLITION PLANS

SHEET 11 OF 27
CITY DRAWING NUMBER
REV 1-0600A-M0003-001 3