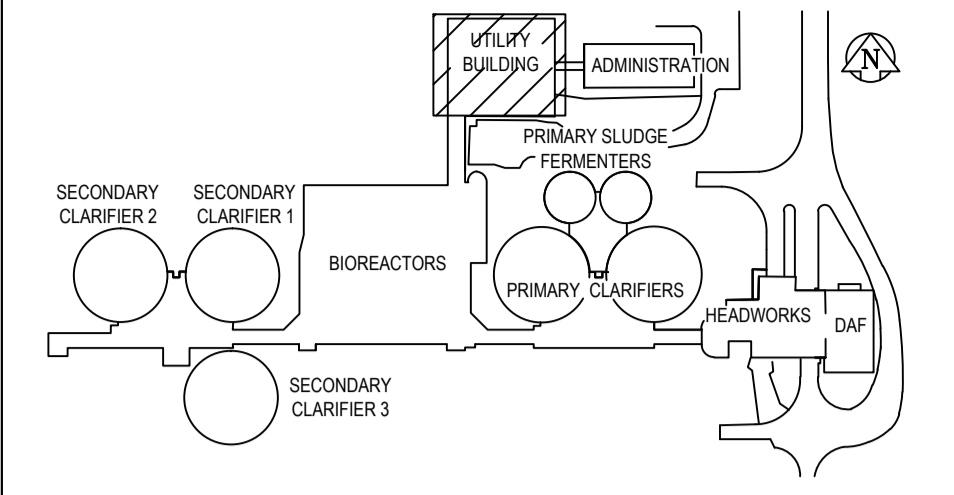
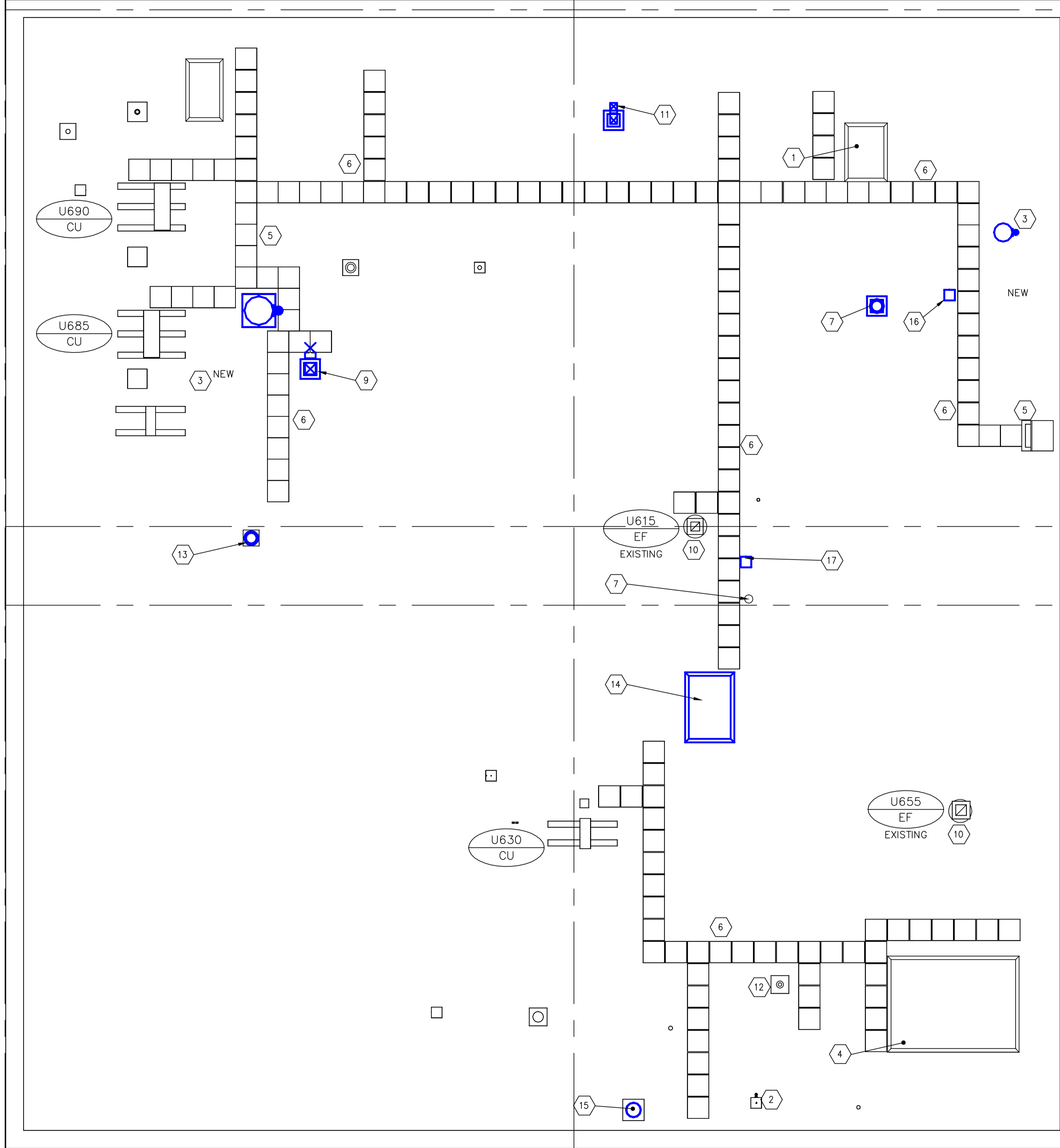


U5

U4

U3

UA



KEY PLAN

- KEY NOTES**
- 1 RE-ASSIGNED INTAKE AIR LOUVERED PENTHOUSE (FORMER U610-MUA RELIEF AIR), 900Wx1350Lx750H FOR NEW U640-AHU, INSTALLED ON CHEMICAL STORAGE ROOF.
  - 2 N. GAS RELIEF VENT, TO BE MAINTAINED, PART OF NEW U605-AHU GAS TRAIN AND PRESSURE REGULATOR.
  - 3 NEW UPBLAST PROCESS EXHAUST FANS, RE-USE EXISTING ROOF CURBS & FLASHING TO EXTENT POSSIBLE
  - 4 EXISTING U605-AHU INTAKE AIR LOUVERED PENTHOUSE, 2500Wx3500Lx750H, TO REMAIN IN SERVICE FOR NEW U605-AHU.
  - 5 EXISTING 900x900 ROOF ACCESS HATCH, ON 300mm HIGH ROOF CURB
  - 6 EXISTING 600x600 CONCRETE PAVER ROOF WALKING PATH, USE AT MAXIMUM EXTENT POSSIBLE, TO MINIMIZE DAMAGE TO ROOF MEMBRANE
  - 7 NEW U640-AHU CHIMNEY, FINAL LOCATION TO BE DETERMINED; PROVIDE ROOF CURB, FLASHING; MAKE GOOD EXISTING ROOF AROUND CURB TO MATCH EXISTING ROOF. ENSURE SEPARATION TO LOUVERED PENTHOUSE TO CGA 149.1; EXTEND CHIMNEY AS REQUIRED
  - 8 NEW U610-MUA OUTSIDE AIR INTAKE PENTHOUSE, 1200x1600x900 HIGH. LOCATE PENTHOUSE TO SUIT DUCT RISER BETWEEN ROOF JOISTS, TO NEW U610-MUA; PROVIDE ROOF CURB, FLASHING; MAKE GOOD EXISTING ROOF AROUND CURB.
  - 9 NEW 300x300 COMBUSTION/VENTILATION AIR INTAKE, MIN 1000mm ABOVE ROOF LINE; TERMINATE GOOSENECK WITH EXPANDED MESH BIRDSCREEN. INTAKE LOCATED IN EXISTING LOUVERED PENTHOUSE TO BE REMOVED. PROVIDE 300mm HIGH ROOF CURB AND FLASHING; REWORK ROOF MEMBRANE AND STEEL DECK TO MATCH EXISTING ROOF.
  - 10 EXISTING EXHAUST FANS, TO REMAIN IN SERVICE
  - 11 NEW VENTILATION AIR INTAKE 200x200, MIN. 1000mm ABOVE ROOF LINE; TERMINATE GOOSENECK WITH EXPANDED MESH BIRDSCREEN; INTAKE LOCATED IN EXISTING ROOF CURB; PROVIDE NEW FLASHING; FIELD CHECK AND INCREASE ROOF CURB SIZE IF NECESSARY
  - 12 EXISTING 200mm RELIEF AIR DUCT, SERVICING THE MEZZ. MECH. ROOM, TO REMAIN IN SERVICE.
  - 13 NEW EXHAUST STACK FROM WELDING HOOD EXHAUST FAN, U635-EF; REWORK EXISTING ROOF CURB AS REQUIRED TO SUIT NEW 200mm DUCT; STACK SEALED AIRTIGHT
  - 14 NEW U640-AHU NEW O/A INTAKE LOUVERED PENTHOUSE, 1500x1200x1200 HIGH, ON 300mm FABRICATED ROOF CURB; NEW ROOF OPENING, FRAMED BETWEEN ROOF JOISTS
  - 15 NEW U605-AHU CHIMNEY; RE-USE EXISTING ROOF CURB; PROVIDE NEW FLASHING TO SUIT.
  - 16 NEW U640-AHU N. GAS REGULATOR VENT THRU ROOF; PROVIDE ROOF PITCH POCKET, MIN. 300mm HIGH; TERMINATE VENT WITH GOOSENECK MIN. 450mm ABOVE ROOF.
  - 17 NEW U610-MUA N. GAS REGULATOR VENT THRU ROOF; PROVIDE ROOF PITCH POCKET, MIN. 300mm HIGH; TERMINATE VENT WITH GOOSENECK MIN. 450mm ABOVE ROOF.

A AREA U UTILITY BUILDING ROOF - NEW CONDITIONS PLAN  
SCALE 1:75

- GENERAL NOTES**
1. PERFORM ALL WORK IN ACCORDANCE WITH ALL APPLICABLE CODES, STANDARDS AND PROVINCIAL MECHANICAL ENGINEERING & INSPECTIONS BRANCH REQUIREMENTS.
  2. COORDINATE WORKS WITH OTHER SUB-TRADES. REFER TO SPECIFIC DETAILS FOR CUTTING AND SEALING PENETRATIONS THROUGH OPENINGS & FIRE SEPARATIONS.
  3. REFER TO TECHNICAL SPECIFICATIONS FOR EQUIPMENT AND MATERIAL SPECIFICATIONS AND INSTALLATION CONSTRUCTION AND PHASING REQUIREMENTS.
  4. INSULATE DUCTWORK WHERE INDICATED AND SPECIFIED.
  5. SUPPORT ALL DUCTWORK TO MEET CODE REQUIREMENTS & ESTABLISHED INDUSTRY TRADE PRACTICES, (SMACNA, ASHRAE).
  6. INVESTIGATE SITE PRIOR TO CONSTRUCTION TO CONFIRM ALL DIMENSIONS AND INSTALLATION REQ'S.
  7. PERFORM ALL CUTTING & PATCHING NECESSARY FOR ANY REQUIRED OPENINGS.
  8. PROVIDE TAB TO ENSURE AIR DISTRIBUTION TO VOLUMES INDICATED.
  9. NOT ALL EQUIPMENT/PIPING, ETC. IS SHOWN.



B.M. ELEV.	FIELD BOOK #:
POSTED TO LBIS	
DESIGNED BY JC/AS	CHECKED BY AFG
DRAWN BY AS	APPROVED BY
HOR. SCALE 1:75	RELEASED FOR CONSTRUCTION
VERTICAL	
00 ISSUED FOR TENDER 2010-12-21 AFG	
NO. REVISIONS	DATE BY
	DATE 2010-06-23



ENGINEER'S SEAL

CONSULTANT DRAWING NO. UM6.4

**THE CITY OF WINNIPEG**  
WATER AND WASTE DEPARTMENT

2010HVAC REPLACEMENT AND ASSOCIATED WORKS  
WEWPCC  
AREA U - UTILITY BUILDING  
UTILITY BUILDING ROOF - NEW CONDITIONS PLAN

SHEET 1 OF 1  
CITY DRAWING NUMBER  
1-0103V-M0044-001