

DO NOT SCALE DRAWINGS

Revision/	Description/Description	Date/Date
0	ISSUED FOR CONSTRUCTION	2016/11/02

Client/client

PUBLIC WORKS AND GOVERNMENT SERVICES AGENCY

Project title/Titre du projet
EMERSON, MANITOBA HIGHWAY 75, UNITED STATES BORDER
EXPANSION AND REDEVELOPMENT OF THE EMERSON PORT OF ENTRY

Approved by/Approuvé par
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Designed by/Concept par
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Client/client

Drawing title/Titre du dessin
TERTIARY EXAM GARAGE ADDITION - PLUMBING RENOVATION PLAN

Project No./No. du projet
R.068431.001

Sheet/ Feuille
M7.1

Revision no./ La Révision no.
0

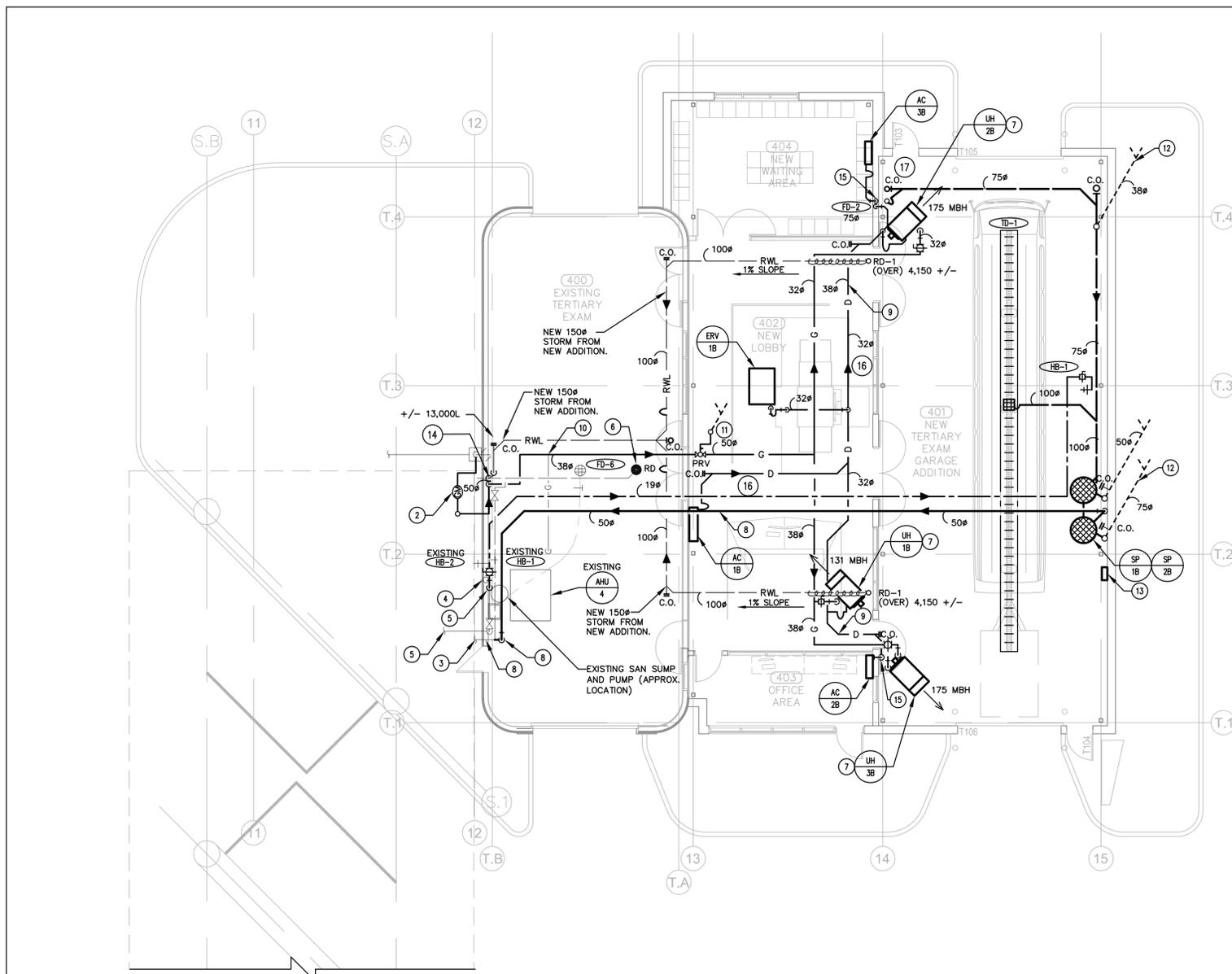
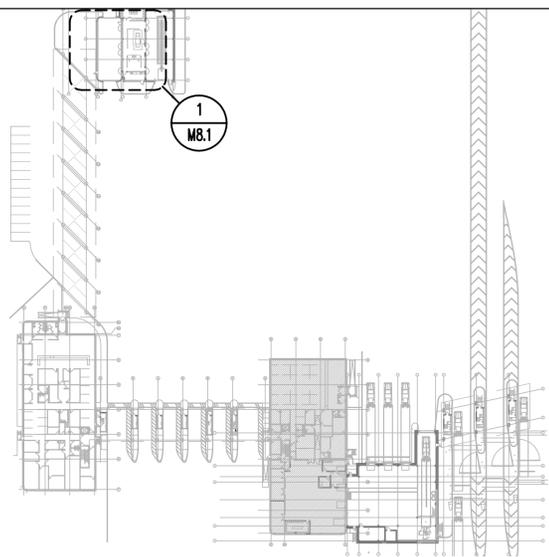
GENERAL NOTES:

- THIS DRAWING IS DIAGRAMMATIC ONLY. DO NOT SCALE.
- THE MECHANICAL SYSTEMS SHOWN ARE APPROXIMATE IN LOCATION ONLY. CONTRACTOR TO VERIFY EXACT LOCATION OF SYSTEMS BEING MODIFIED ON SITE PRIOR TO COMMENCEMENT OF WORK.
- ALL WORK SHALL COMPLY WITH THE MOST CURRENT VERSION OF ALL APPLICABLE CODES AND STANDARDS, WHICH SHALL BE CONSIDERED PART OF THIS SPECIFICATION. IN THE CASE OF CONFLICTING REQUIREMENTS, THE MOST STRINGENT REGULATION SHALL PREVAIL.
- CONTRACTOR TO MAINTAIN DIGITAL PHOTOGRAPHIC RECORD OF ALL INSTALLATIONS PRIOR TO CONCEALMENT BY SUPPORTING TRADES.
- PROVIDE CAP ON ALL DOMESTIC SUPPLIES AND SANITARY LINES UNTIL LINES ARE READY TO BE CONNECTED TO FIXTURES.
- PROVIDE CLEANOUTS WHERE REQUIRED BY CODE AND SHOWN ON DRAWING. CLEANOUTS INSTALLED IN FLOOR SHALL BE BRASS AND INSTALLED FLUSH WITH FLOOR.

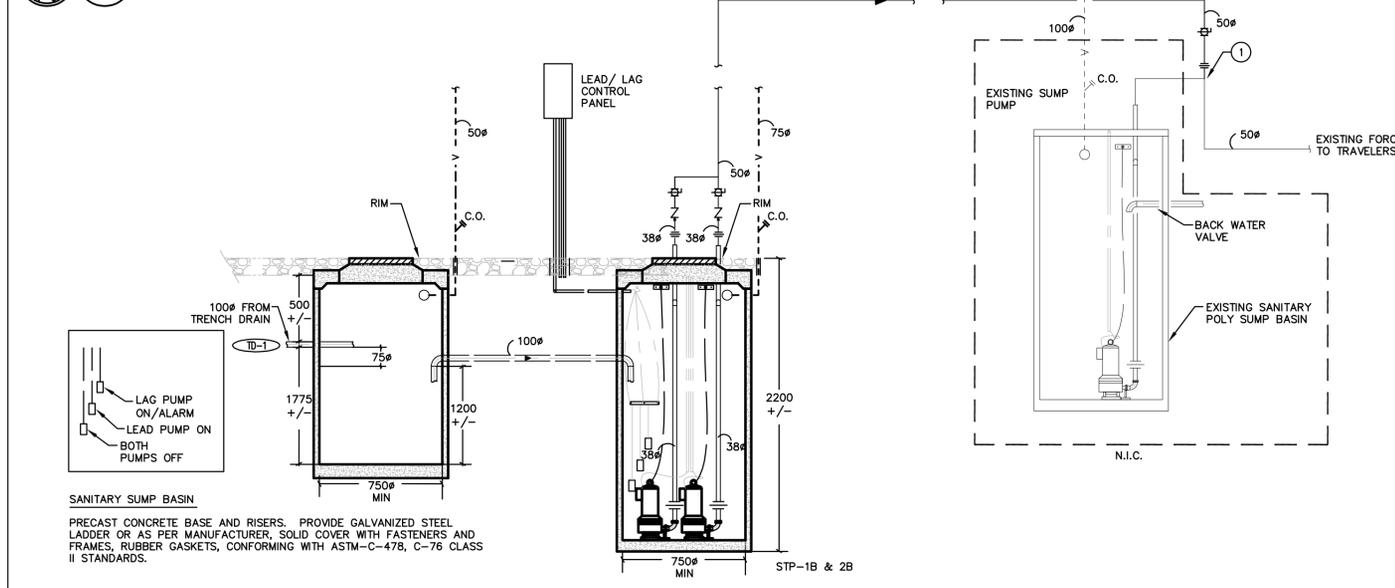
DRAWING NOTES:

- SANITARY SUMP PIT SP-1B, SP-2B, DISCHARGE PIPE TO CONNECT TO EXISTING SANITARY 50# FORCE MAIN.
- EXISTING LOW PRESSURE GAS METER TO BE REPLACED WITH NEW. COORDINATE NEW METER SET CONNECTION WITH LOCAL GAS AUTHORITY. REWORK PIPING AT EXTERIOR WALL AS REQUIRED.
- EXISTING 50# SANITARY FORCE MAIN TO TRAVELERS BUILDING.
- EXISTING SANITARY SUMP BASIN VENT THROUGH ROOF.
- EXISTING WATER SUPPLY FROM TRAVELERS BUILDING. CONNECT NEW 1/2" HOSEBIBB SUPPLY AT WATER ENTRY COMPLETE WITH NEW ISOLATION VALVE.
- EXISTING ROOF DRAIN TO REMAIN.
- NEW GAS FIRED CONDENSING UNIT HEATERS.
- NEW 50# SUMP DISCHARGE TO CONNECT TO EXISTING 50# SUMP DISCHARGE LINE AT WALL OF EXISTING TERTIARY BUILDING, EXAM 400.
- 32# CONDENSATE DRAIN TO FLOOR FUNNEL DRAIN AND SUMP PIT.
- NEW 50# GAS SUPPLY TO NEW GAS METER SET. RECONNECT EXISTING AHU-4 32# GAS SUPPLY PIPING.
- NEW GAS REGULATOR VENT THROUGH ROOF.
- TERMINATE ALL VENTING THROUGH ROOF COMPLETE WITH PIPE SIZE INCREASE FOR FROST, MINIMUM SIZE 75MM. ALL VENT TERMINALS.
- SANITARY PUMP LEAD/LAG PANEL MOUNTED ON WALL.
- REMOVE AND REPLACE EXISTING 150# STORM RISER WITH NEW 200# RISER WITH CLEAN OUT. RECONNECT EXISTING 150# STORM LEADER.
- 32# CONDENSATE DRAIN CONCEALED IN WALL.
- MAINTAIN 32# CONDENSATE DRAIN AT HIGH LEVEL (APPROX. 3M AFT). SPLIT A/C WALL CASSETTE UNITS SHALL HAVE PUMPED CONDENSATE UNITS.
- KEEP FUNNEL DRAIN TIGHT TO WALL AND GRADE BEAM. KEEP FUNNEL DRAIN OUT OF WALK WAY.

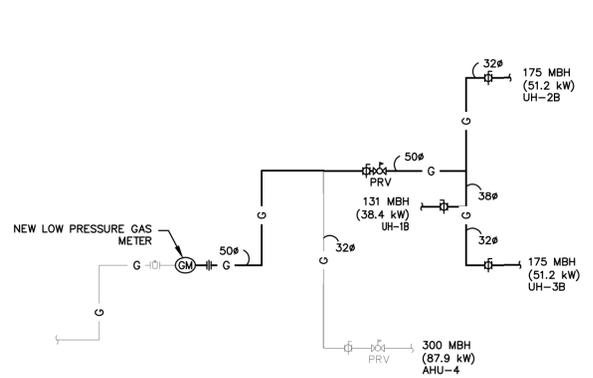
4 KEY PLAN
M7.1 SCALE: NTS



1 TERTIARY EXAM GARAGE - PLUMBING RENOVATION PLAN
M7.1 SCALE: 1:100



2 TERTIARY EXAM GARAGE - LEAD/LAG SANITARY SUMP
M7.1 SCALE: NTS



3 TERTIARY EXAM GARAGE - GAS LOAD SCHEMATIC
M7.1 SCALE: NTS

GAS LOAD CHART

NO.	EQUIPMENT	INPUT CAPACITY MBH (kW)
AHU-4	EXISTING AIR HANDLING UNIT	300 (87.9)
UH-1B	NEW UNIT HEATER	131 (38.4)
UH-2B	NEW UNIT HEATER	175 (51.2)
UH-3B	NEW UNIT HEATER	175 (51.2)
TOTAL		781 (228.9)