



PLUMBING PUMP FLOOR PLAN - NEW

SCALE: 1:100

GENERAL NOTES:

1. CONFORM TO MANITOBA PLUMBING CODE AND ALL LOCAL CODES AND AUTHORITY HAVING JURISDICTION FOR DESIGN, SUPPLY AND INSTALLATION OF PLUMBING AND VENT SYSTEM. INSTALL VENTS CONCEALED INSIDE WALLS ACCORDING TO CODE. MINIMIZE ROOF PENETRATIONS.
2. EQUIPMENT LOCATIONS AND PIPE ROUTING INDICATED ON THE DRAWINGS IS APPROXIMATE ONLY. CONFIRM IN THE FIELD. REROUTE PIPING AS REQUIRED TO ELIMINATE FIELD INTERFERENCES WITH BUILDING STRUCTURE, ELECTRICAL, ETC.. CONFIRM CHANGES WITH CONTRACT ADMINISTRATOR. **COORDINATE WORK WITH ALL SUBTRADES**.
3. WHERE DIMENSIONS ARE INDICATED FOR PIPING EQUIPMENT SIZES, ETC. THESE ARE FOR BIDDING PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE TO VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO ORDERING EQUIPMENT AND COMMENCING INSTALLATION WITHOUT EXTRA CHARGES TO THE PROJECT. THE CONTRACTOR IS RESPONSIBLE TO ENSURE ALL EQUIPMENT, DUCTWORK AND PIPING FITS IN THE SPACE AVAILABLE AND TO MAINTAIN THE GENERAL DESIGN INTENT FOR THE SYSTEMS.
4. FIRE SEAL ALL PENETRATIONS THROUGH FIRE SEPARATIONS.
5. PROVIDE ALL CUTTING AND PATCHING REQUIRED FOR NEW PIPING (WATER AND DRAINAGE). FINISH ALL PENETRATIONS AND MAKE GOOD.
6. ROOF DRAIN PIPING SHALL BE INSTALLED AS HIGH AS POSSIBLE WITHIN CEILING SPACES UNLESS NOTED OTHERWISE.
7. COORDINATE ROOF DRAIN AND ASSOCIATED PIPING WORK WITH ROOF PHASING PLAN.
8. REFER TO DRAWING 1-0650M-M0004-001 FOR EQUIPMENT REMOVAL PHASING PLAN.

KEYNOTES:

- 1 SUPPLY AND INSTALL NEW SUMP PUMP P-M500 WITH NEW BASIN, CHECK VALVE, AND FLOATSWITCH. CONNECT BASIN TO THE NEW WEEPING TILE SYSTEM. REFER TO DRAWING 1-0650M-M0006-002 (DETAIL-6) AND DRAWING 1-0650M-S0006-001 (SECTION-D).
- 2 SUPPLY AND INSTALL A NEW WALL MOUNTED CONTROL PANEL CP-M500 (FOR THE NEW SUMP PUMP P-M500) WITH LOCAL HIGH LEVEL ALARM.
- 3 PROVIDE NEW DISCHARGE PIPING WITH A NEW WALL PENETRATION AND ASSOCIATED SUMP PUMP EXTENSION HOSE (38DIA, 10M LENGTH WITH COUPLINGS FOR THE NEW SUMP PUMP P-M500. REFER TO DETAIL 6 ON DRAWING 1-0650M-M0006-002 FOR SUMP PUMP P-M500 DISCHARGE DETAILS.
- 4 EXISTING STORM DRAINAGE PIPING RISER FROM THE EXISTING MAIN BUILDING ROOF DRAINS TO BE TIED INTO THE NEW DRAINAGE PIPING AS INDICATED ON DRAWING 1-0650M-M0002-001.
- 5 REPLACE EXISTING 100mm LEADER WITH NEW 150mm, FOLLOW SAME ROUTE AND RE-USE EXISTING CONNECTION TO BUILDING DRAIN.
- 6 REMOVE ALL EXISTING FLOOR DRAIN PIPING CONNECTED TO DRAIN BOXES IN TONNER ROOM. CUT AND CAP CONNECTIONS.

LEGEND:

- — EXISTING EQUIPMENT AND PIPING
- — NEW EQUIPMENT AND PIPING
- CP — CONTROL PANEL
- C.O. — CLEAN OUT
- P — SUMP PUMP
- RD — ROOF DRAIN
- SAN — SANITARY SEWER

10	-	-
9	-	-
8	-	-
7	-	-
6	1-0650M-S0006-001	STRUCTURAL - PUMP STATION CRAWLSPACE - SECTIONS AND DETAILS
5	1-0650M-M0006-002	MECHANICAL - PUMP STATION - DETAILS (2 OF 2)
4	1-0650M-M0004-001	MECHANICAL - PUMP STATION ROOF - HVAC PLAN - DEMOLITION
3	1-0650M-M0002-001	MECHANICAL - PUMP STATION MEZZANINE - PLUMBING PLAN
2	1-0650A-C0002-001	MUNICIPAL - GRADING PLAN
1	1-0650A-D0001-001	COVER SHEET
NO.	DRAWING NUMBER	REFERENCE DRAWING TITLE

ES ENGINEERS
GEOSCIENTISTS
MANITOBA
Certificate of Authorization
KGS Group
No. 245

B.M.	-
ELEV.	-
0	ISSUED FOR CONSTRUCTION
NO.	REVISIONS
2020/06/18	DATE
CPH	DESIGN
RCC	CHECK

KGS GROUP

DESIGNED BY: C. HOLBROOK	CHECKED BY: R. CHEN
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SCALE: AS NOTED	ISSUED FOR CONSTRUCTION BY:
DATE: 2020-06-18	DATE:

CONSULTANT NO.: 19-0107-005_M10

ENGINEER'S SEAL

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

HURST PUMPING STATION
STRUCTURAL REPAIRS AND DRAINAGE BUILDING UPGRADES
MECHANICAL
PUMP STATION PUMP FLOOR
PLUMBING PLAN

CITY DRAWING NUMBER: 1-0650M-M0001

SHEET	REV.	SIZE
001	0	A1