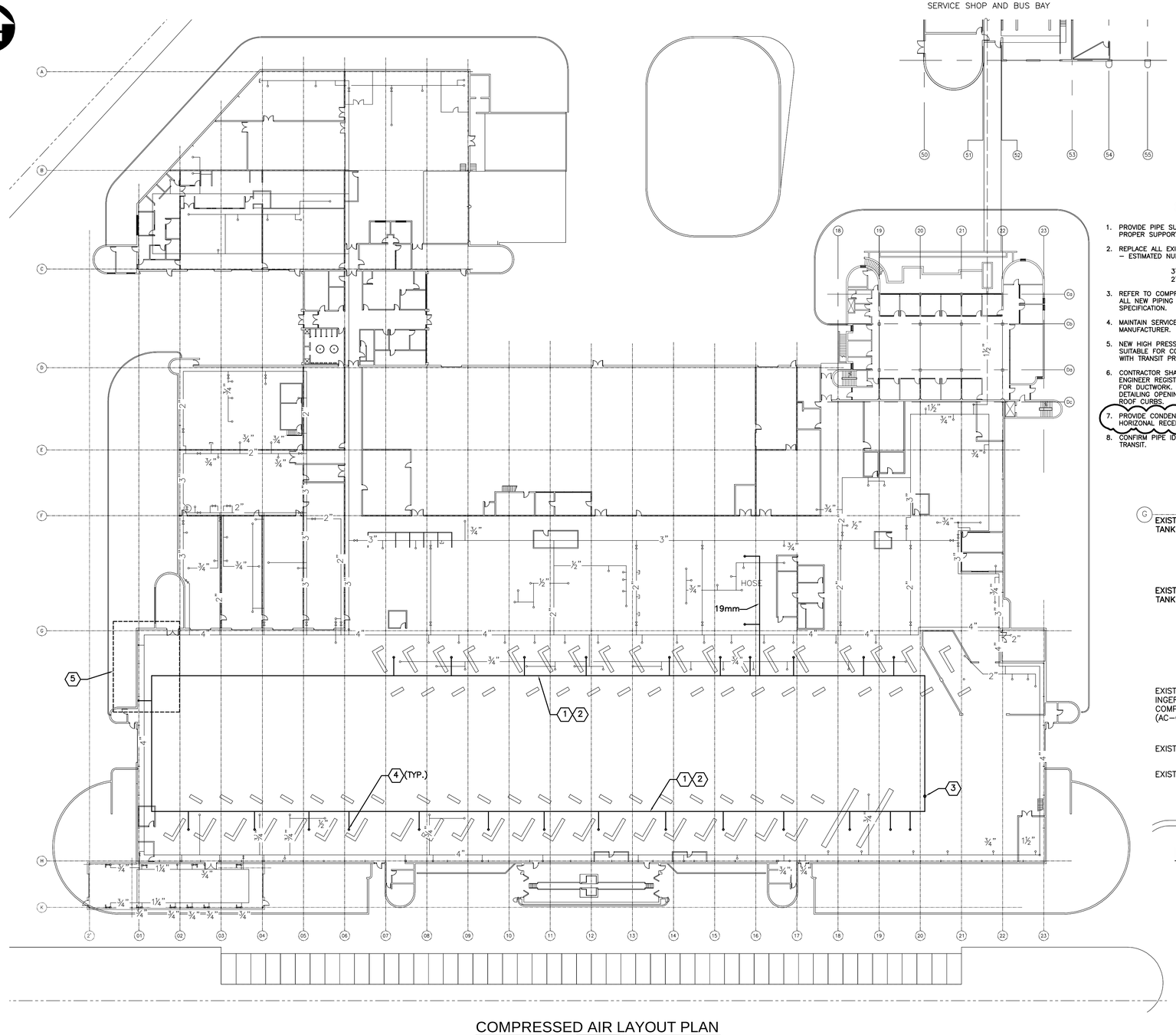


COMPRESSED AIR LAYOUT PLAN
1:400

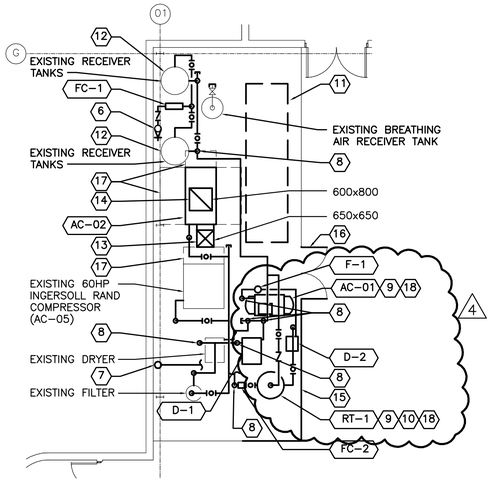
PHOTO 'B'
NTS

GENERAL NOTES

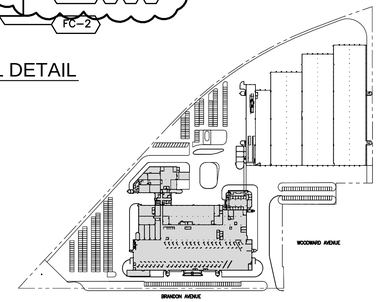
1. PROVIDE PIPE SUPPORT DESIGNED FOR COMPRESSED AIR PIPES AS REQUIRED FOR PROPER SUPPORT OF PIPING.
2. REPLACE ALL EXISTING GATE VALVES WITH BALL VALVES – ESTIMATED NUMBER OF GATE VALVES TO REPLACE:
   3" VALVES: 8
   2" VALVES: 20
3. REFER TO COMPRESSED AIR PIPING SCHEMATIC FOR LOWER LEVEL DETAIL PIPE SIZES. ALL NEW PIPING AT LOWER LEVEL TO BE SCHEDULE 80 STEEL PIPE. REFER TO SPECIFICATION.
4. MAINTAIN SERVICE CLEARANCE AROUND EQUIPMENT AS RECOMMENDED BY EQUIPMENT MANUFACTURER.
5. NEW HIGH PRESSURE LOOP PIPING & DROPS TO BE EXTRUDED ALUMINUM PIPE SUITABLE FOR COMPRESSED AIR. REFER TO SPECIFICATIONS. CONFIRM COLOR OF PIPE WITH TRANSIT PRIOR TO ORDERING.
6. CONTRACTOR SHALL RETAIN THE SERVICES OF A PROFESSIONAL STRUCTURAL ENGINEER REGISTERED WITH APEGM TO REVIEW THE IMPACT OF ALL ROOF OPENINGS FOR DUCTWORK. CONTRACTOR SHALL PROVIDE SHOP DRAWING TO THE CONSULTANT DETAILING OPENING CONSTRUCTION PRIOR TO PROCEEDING WITH INSTALLATION OF ROOF CURBS.
7. PROVIDE CONDENSATE PIPING FOR NEW COMPRESSORS, DRYERS, FILTER & AC-01 HORIZONAL RECEIVER TANK, AND DISCHARGE CONDENSATE TO THE NEAREST DRAIN
8. CONFIRM PIPE IDENTIFICATION LABEL & EQUIPMENT TAGGING PROCEDURE WITH TRANSIT.

SHEET KEYNOTES

1. NEW 38mm HIGH PRESSURE COMPRESSED AIR PIPE LOOP. INSTALL BELOW EXISTING 100mm COMPRESSED AIR PIPE LOOP. MOUNT PIPING FROM U/S OF CEILING JOIST.
2. SLOPE HIGH PRESSURE COMPRESSED AIR PIPE MAIN 25mm FOR EVERY 3m TOWARDS CONDENSATE EVACUATION POINT DRIP LEG.
3. APPROXIMATE LOCATION OF NEW 19mm CONDENSATE EVACUATION POINT DRIP LEG c/w BALL VALVE.
4. 19mm PIPE DROPS FOR TIRE INFLATION c/w BALL VALVE AND QUICK CONNECT FITTING (TYP.). MOUNT PIPE DROP 6m FROM FINISHED FLOOR TO RACK. RACK PROVIDED BY TRANSIT. PROVIDE PLACARD INDICATING "HIGH PRESSURE PIPE FOR TIRE INFLATION ONLY". COORDINATE FINAL LOCATION WITH TRANSIT.
5. REFER TO PARTIAL LOWER LEVEL DETAIL ON THIS SHEET.
6. CONNECT NEW PIPE TO EXISTING 100mm PIPE RISER AT APPROXIMATELY THIS POINT.
7. MOUNT NEW HIGH PRESSURE PIPE RISER FROM EXTERIOR WALL.
8. INSTALL BALL VALVE IN PIPE RISER.
9. ATTACH EQUIPMENT TO FLOOR AS PER MANUFACTURER'S INSTRUCTIONS.
10. PROVIDE A PRESSURE RELIEF VALVE FOR NEW RECEIVER TANK (RT-1).
11. APPROXIMATE LOCATION OF BREATHING AIR EQUIPMENT. REFER TO PHOTO 'B'.
12. MOVE EXISTING RECEIVER TANKS AS REQUIRED TO ACCOMMODATE NEW PIPING AND EQUIPMENT.
13. AC-02 OUTSIDE AIR INTAKE DUCT. REFER TO AC-02 COOLING SYSTEM DETAIL, REFER TO DWG. M3.
14. AC-02 EXHAUST AIR DUCT. REFER TO AC-02 COOLING SYSTEM DETAIL, REFER TO DWG. M3.
15. OUTLINE OF NEW SECTION OF FENCE. NEW SECTION OF FENCE TO BE CONSTRUCTED TO THE SAME AS EXISTING.
16. PROVIDE GATE SIZED TO ACCOMMODATE ENTRY OF EQUIPMENT INTO THE FENCED AREA.
17. MAINTAIN A MINIMUM SERVICE CLEARANCE OF 900mm AT THE FRONT & REAR, AND 600mm AT THE SIDES.
18. PROVIDE AUTOMATIC DRAIN VALVE AT TANK.



PARTIAL LOWER LEVEL DETAIL
1:100



KEY PLAN
NTS

APEGM
Certificate of Authorization
Dillon Consulting Limited (MB)
No. 1789 Date: _____

LOCATION UNDERGROUND APPROVED STRUCTURES

SUPV. U/G STRUCTURES COMMITTEE _____ DATE _____

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
4	ISSUED FOR ADDENDUM # 1	APR.24/15	PDT
3	ISSUED FOR CONSTRUCTION	APR.10/15	PDT
2	CLIENT REVIEW 100%	MAR.20/15	PDT
1	CLIENT REVIEW 99%	MAR.9/15	PDT
0	CLIENT REVIEW 66%	FEB.24/15	PDT

B.M. ELEV.

DESIGNED BY	EP
DRAWN BY	TKD
CHECKED BY	JVH
APPROVED BY	PDT
HOR. SCALE	NOTED
VERTICAL	NOTED
DATE	2015-02-20

DILLON CONSULTING

RELEASED FOR CONSTRUCTION _____ DATE

ENGINEER'S SEAL

DRAWING ORIGINALLY SIGNED BY P.D. TATARYN DATED APR. 10, 2015

CONSULTANT PROJECT NO. 149749

Winnipeg

THE CITY OF WINNIPEG
TRANSIT DEPARTMENT

FORT ROUGE GARAGE COMPRESSED AIR SYSTEM UPGRADE

CITY DRAWING NUMBER P-XXXX- ----

SHEET 2 OF 4

COMPRESSED AIR LAYOUT PLAN, SERVICE SHOP

CONSULTANT DRAWING NUMBER M1

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