

GENERAL NOTES:

- BIDDERS MUST EXAMINE THE SITE & EXISTING CONDITIONS AFFECTING THE PROJECT. EXAMINE THE COMPLETE SET OF CONTRACT DOCUMENTS TO ENSURE THAT THE WORK CAN BE CARRIED OUT WITHOUT SIGNIFICANT CHANGES TO THE INTENT OF THE DOCUMENTS. NO FUTURE ALLOWANCE WILL BE MADE FOR CHANGES UNLESS THE ENGINEER HAS BEEN NOTIFIED IN WRITING OF ANY DISCREPANCIES OR INTERFERENCES, PRIOR TO THE CLOSE OF TENDERS. NO ALLOWANCE WILL BE MADE FOR TIEMS THAT SHOULD HAVE BEEN NOTED DURING A PRE-TENDER SITE INSPECTION.
- THE LOCATION, ROUTING & ELEVATION OF ALL NEW AND EXISTING SERVICES & UTILITIES AS SHOWN ON THE DRAWINGS ARE TO BE CONSIDERED AS APPROXIMATIONS ONLY. VERIFY EXACT LOCATIONS, ROLITINGS & FLEVATIONS OF ALL SERVICES PRIOR TO COMMENCING WORK, & ASSUME RESPONSIBILITY FOR LAYING OUT ALL WORK. THE CONTRACTOR SHALL RETAIN RESPONSIBILITY FOR ANY DAMAGE TO EXISTING SERVICES & UTILITIES.
- MECHANICAL CONTRACTOR SHALL VERIFY EXACT LOCATIONS, CONNECTIONS, SIZES, INVERTS, ETC. PRIOR TO TENDER CLOSE AND COMMENCEMENT OF WORK.
- FOR SANITARY PIPE 100MMØ (1"Ø) AND UP, THE PIPE IS TO SLOPE 1% UNLESS OTHERWISE NOTED. FOR SANITARY PIPE LESS THAN 100MMØ (4°9) THE PIPE SHALL SLOPE @ 2%. IF LOW FLOW TOILETS (LESS THAN 6L/FLUSH) ARE INSTALLED WITHIN THIS FACILITY, ALL PIPING CARRYING SANITARY WASTE FROM A TOILET TO THE BUILDING CLEAN OUT & DISCHARGE LOCATION SHALL SLOPE AT A MINIMUM 2%.
- MECHANICAL CONTRACTOR TO ENSURE THAT CLEANOUTS ARE ACCESSIBLE.
- MECHANICAL CONTRACTOR SHALL REFER TO ARCHITECTURAL, STRUCTURAL, ELECTRICAL DRAWINGS, EQUIPMENT SUPPLER SHOP DRAWINGS, ETC. FOR EXACT LOCATIONS OF ALL FIXTURES, EQUIPMENT, ETC.
- ALL PLUMBING INSTALLATIONS, ETC. SHALL BE PERFORMED IN ACCORDANCE WITH ALL CODES, REGULATIONS & AUTHORITIES HAVING JURISDICTION.

- 8. ALL VENT PIPING TO BE INSTALLED AS PER CODE.
- SHUTOFF VALVES & PARTITION STOPS TO BE INSTALLED ON ALL LINES SERVING FIXTURES & EQUIPMENT.
- MECHANICAL CONTRACTOR TO PROVIDE 'ROUGH-IN' FOR OWNER SUPPLIED EQUIPMENT. FINAL CONNECTION TO BE BY OWNER, UNLESS NOTED OTHERWISE.
- THE DRAWINGS INDICATE APPROXIMATE LOCATION OF SOME EXISTING MECHANICAL SERVICES ALLOWED FOR ALL NECESSARY RELOCATION OF SERVICES TO ACCOMMODATE THE NEW WORK.
- 12. COORDINATE PLUMBING WITH DUCT RUNS, HYDRONIC PIPING, & ALL OTHER TRADES.
- PROVIDE ISOLATION VALVES AT BASE OF EACH RISER & AT EACH FIXTURE.
- 14. DOMESTIC WATER RUN OUTS SHALL BE 13mm (1/2") UNLESS
- THE MECHANICAL CONTRACTOR SHALL SUPPLY AND INSTALL ALL REQUIRED TRAP PRIMERS, AS PER CODE.

DRAWING NOTES:

- NEW STORM LINE LEAVING BUILDING TO CONNECT TO MUNICIPAL STORM WATER SERVICE. REFER TO CIVIL DRAWINGS FOR FURTHER INFO & COORDINATE FINAL LOCATION WITH CIVIL ENGINEER.
- 2 EXISTING MAIN SAN PIPE LEAVING BUILDING TO STREET WASTE WATER SEWER.
- 3 EXISTING WEEPING TILE DUPLEX SUMP PUMPS & PIT.
- EXISTING WEEPING TILE SUMP PUMP DISCHARGE UP TO DISCHARGE ONTO SPLASH PAD @ GRADE TO REMAIN.
- NEW 1000 STORM LINE AT HIGH LEVEL OF EXISTING CRAWLSPACE TO DROP DOWN FROM HIGH LEVEL & LEAVE BUILDING. PROVIDE NEW STORM SEWER BUILDING CLEANOUT APPROX. AS SHOWN. COORDINATE FINAL LOCATION ON SITE WITH CIVIL EXISTING THE PROVIDE OF THE PROVIDE O
- EXISTING PUMPED DISCHARGE LINE CONNECTING TO EXISTING SAN PIPING SUSPENDED IN CRAWLSPACE TO BE DISCONNECTED AND RE-DIRECTED TO NEW 1009 STORM PIPING APPROX. AS SHOWN. REPAIR EXISTING PIPING AS REQUIRED.
- PROVIDE NEW 50# WEEPING TILE PIT PUMPED DISCHARGE PIPING RISING UP FROM EXISTING DISCHARGE PIPE TO AS HIGH AS POSSIBLE WITHIN CRAWLSPACE. EXISTING CHECK VALVE & SHUT-OFF VALVES TO REMAIN. RUN NEW PIPING TO THE WEST APPROX. AS SHOWN.
- (8) CAP-OFF EXISTING WEEPING TILE PUMPED DISCHARGE EXTENDING TO THE NORTH & ABANDON. REMOVE PIPING UPSTREAM OF CAP AS REQUIRED TO SUIT NEW PIPING DESIGN.
- PROVIDE NEW 500 WEEPING TILE PIT PUMPED DISCHARGE TO RISING UP AS HIGH AS POSSIBLE WITHIN CRAWLSPACE TO RUN TO THE WEST APPROX. AS SHOWN.
- 10 NEW 50% PUMPED DISCHARGE PIPING TO BE INSTALLED AS HIGH AS POSSIBLE WITHIN CRAWLSPACE AND SHALL SLOPE DOWN TOWARDS NEW STORM PIPING TIE—IN LOCATION.
- CONNECT EXISTING PUMPED DISCHARGE PIPING FROM MSP-1 TO NEW 1000 STORM LINE APPROXIMATELY AS SHOWN.
- 22 EXISTING WATER METER & SHUT-OFF VALVE TO REMAIN IN CURRENT LOCATION IF POSSIBLE. IF NOT SUITABLE, RELOCATE INTO EXISTING DISCHARGE PIPING TO SUIT NEW STORM PIPING TIE-IN.

- CONNECT NEW 50% PUMPED DISCHARGE FROM MSP-2 TO NEW 100% STORM LINE APPROXIMATELY AS SHOWN.
- CONNECT EXISTING 500 PUMPED DISCHARGE FROM MSP-1 TO NEW 1000 STORM LINE APPROXIMATELY AS SHOWN.
- 15 REMOVE EXISTING PUMPED DISCHARGE LINE APPROX. AS SHOWN.
- [16] PROVIDE 2-WAY CLEANOUT FOR NEW PD PIPING.
 CLEANOUTS SHALL BE PROVIDED EVERY 7.5M FOR
 ONE-WAY RODDING OR 15M FOR 2-WAY RODDING
 AS PER THE PLUMBING CODE FOR PIPING 75MM AND
 LESS.
- MAKE PROVISIONS TO SUPPLY & INSTALL NEW HUMIDITY SENSOR CONNECTED BACK TO THE BUILDING'S EXISTING DDC 'METASYS' SYSTEMS. INCLUDE THIS AS A SEPARATE PRICE.
- INCLUSE THIS AS A SEPARATE PHOLE.

 NEW 1000 STORM LINE TO RUN SUSPENDED AS HIGH AS POSSIBLE WITHIN EXISTING CRAWLSPACE. TYPICAL. COORDINATE FINAL HEIGHT WITH THE IN OF REVISED PUMPED DISCHARGE PIPING FROM EXISTING WEEPING TILE PITS/PUMPS.

LINETYPE LEGEND:

----, OR D - EXISTING TO BE DEMOLISHED —, OR EX — EXISTING TO REMAIN , OR N/NEW - NEW MECHANICAL



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Bill and Helen Norrie Library

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Address: 15 Poseidon Bay, Winnipeg, MB.

PLUMBING & CONTROLS LAYOUT -CRAWLSPACE

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