

PLAN
SCALE 1: 400

MAXIMUM PERMISSIBLE LIQUID LEVEL ELEVATIONS	
MANHOLE	ELEVATION
MANHOLE A	229.780
MANHOLE B	228.650

TEMPORARY BY-PASS PUMPING NOTES:

1. CONTRACTOR TO PROVIDE TEMPORARY BY-PASS PUMPING OF FLOWS DURING CONSTRUCTION OF NEW SIPHON IN ACCORDANCE WITH SPECIFICATIONS.
2. CONTRACTOR TO PROVIDE BY-PASS PUMPING PLAN TO CONTRACT ADMINISTRATOR FOR REVIEW A MINIMUM OF TEN (10) BUSINESS DAYS PRIOR TO COMMENCEMENT OF ANY WORK ON THE SIPHON.
3. TEMPORARY BY-PASS INTAKE LINES SHALL BE INSTALLED AT MANHOLE A (EXISTING MANHOLE) OR MANHOLE B (NEW 1500Ø MH) AS REQUIRED TO SUIT THE CONTRACTOR'S MEANS, METHODS, AND SCHEDULE.
4. SHOULD THE CONTRACTOR CHOOSE TO INSTALL INTAKE LINES AT MANHOLE B FOR THE PERMANENT PROJECT DURATION BY-PASS PLAN, TEMPORARY BY-PASS AND/OR CUSTOM MANUFACTURING OF MANHOLE (IE. HORSESHOE MANHOLE) WOULD BE REQUIRED TO FACILITATE MANHOLE INSTALLATION. FURTHER, MANHOLE B WOULD BE REQUIRED TO BE MANUFACTURED TO ALLOW FOR TWO INTAKE LINES AS REQUIRED AND SPECIFIED IN THE SPECIFICATIONS. MANHOLE B MAY BE INSTALLED WITH 1.0 DEEP SUMP TO BE USED FOR BY-PASS PUMPING DURING CONSTRUCTION. LINE ITEMS FOR ADDITIONAL 1.0 VERTICAL OF MANHOLE AND FILLING SUMP WITH CONCRETE ARE INCLUDED IN THE CONTRACT.
5. TEMPORARY BY-PASS PUMPS MUST (AT MINIMUM) BE CAPABLE OF PUMPING PDWF = 170 L/S.
6. REDUNDANT/BACKUP PUMP REQUIRED ON SITE AT ALL TIMES DURING BY-PASS PUMPING. BACKUP PUMP ON SITE SHALL ALSO BE CAPABLE OF PUMPING PDWF = 170 L/S.
7. SEWAGE LEVEL IN SYSTEM MUST NEVER EXCEED THE STATED MAXIMUM PERMISSIBLE LIQUID LEVELS. CONTRACTOR TO PROVIDE REGULAR INSPECTION AND MONITORING OF UPSTREAM FLOW ELEVATION FROM MANHOLE A (EXISTING MANHOLE) DURING BY-PASS PUMPING.
8. THE CONTRACTOR MAY BE REQUIRED TO WORK EVENINGS, NIGHTS, AND WEEKENDS WHERE REQUIRED TO FACILITATE CONNECTION OF THE NEW SIPHON TO EXISTING INTERCEPTOR SEWER.
9. BY-PASS LINES SHALL BE INSULATED AND/OR HEAT TRACED AS REQUIRED TO PROTECT FROM FREEZING. CONTRACTOR SHALL PROTECT TEMPORARY PUMPING FROM FREEZING THROUGHOUT DURATION OF PROJECT.

LAYDOWN AREA NOTES:

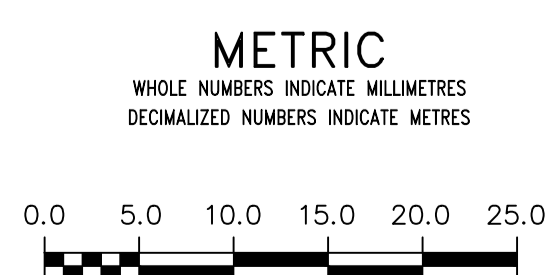
10. CONTRACTOR SHALL RESTORE TEMPORARY EQUIPMENT AND MATERIAL LAYDOWN AREAS TO PRE-CONSTRUCTION CONDITION AS APPROVED BY THE CONTRACT ADMINISTRATOR.

GENERAL NOTES:

11. CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS AND ELEVATIONS SHOWN ON DRAWINGS.



FOR INDEX PAGE
SEE DWG 13025



<p>WARNING</p> <p>IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:</p> <p>1) NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.</p> <p>2) TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.</p> <p>SEE PROVINCIAL REGULATION 2107/2 FOR DETAILS</p>	<p>LOCATION APPROVED UNDERGROUND STRUCTURES</p> <p>SUPV. U/G STRUCTURES COMMITTEE _____ DATE _____</p> <p>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.</p>	<p>B.M. ELEV.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>																			<p>DESIGNED BY NGV</p> <p>CHECKED BY RBO</p> <p>DRAWN BY GEL</p> <p>APPROVED BY RBO</p> <p>SCALE: HORIZONTAL 1: 400</p> <p>VERTICAL -</p> <p>DATE 2021 11 22</p> <p>RELEASED FOR CONSTRUCTION</p> <p>DATE</p>	<p>ENGINEER'S SEAL</p> <p>CONSULTANT DRAWING NUMBER</p> <p>21-0107-12_13027</p>	<p>THE CITY OF WINNIPEG</p> <p>WATER AND WASTE DEPARTMENT</p> <p>ENGINEERING DIVISION</p> <p>PORTAGE AVENUE INTERCEPTOR SIPHON REPLACEMENT AT OMAND'S CREEK TEMPORARY BY-PASS PUMPING PLAN AND DETAILS</p> <p>SHEET 4 OF 6 CITY DRAWING NUMBER 13027</p>
ISSUED FOR TENDER	2021 11 22	RBO																					
REVISIONS	DATE	BY																					
PLOT DATE:	2021 11 22																						