

REMOVE EXISTING CONCRETE ROAD BARRIERS AS REQUIRED TO FACILITATE TEMPORARY BY-PASS PUMPING. ROAD BARRIERS SHALL BE RESTORED BY THE CONTRACTOR FOLLOWING CONSTRUCTION

BY-PASS PUMPING LINES PROPOSED WITHIN SIDEWALK CORRIDOR AND/OR AS REQUIRED TO SUIT CONTRACTOR'S MEANS AND METHODS

PLAN
SCALE 1:400

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

TEMPORARY BY-PASS PUMPING NOTES:

- CONTRACTOR TO PROVIDE TEMPORARY BY-PASS PUMPING OF FLOWS DURING CONSTRUCTION OF NEW SIPHON IN ACCORDANCE WITH SPECIFICATIONS.
- 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.
- 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.
- 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.
- TEMPORARY BY-PASS PUMPS MUST (AT MINIMUM) BE CAPABLE OF PUMPING PDWF = 170 L/S.
- 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.
- THE CONTRACTOR MAY BE REQUIRED TO WORK EVENINGS, NIGHTS, AND WEEKENDS WHERE REQUIRED TO FACILITATE CONNECTION OF THE NEW SIPHON TO EXISTING INTERCEPTOR SEWER.
- 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:

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

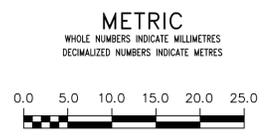
GENERAL NOTES:

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

ENGINEERS
GEOSCIENTISTS
MANITOBA

Certificate of Authorization
KGS Group
No. 245

FOR INDEX PAGE
SEE DWG 13025



WARNING

IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:

- NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
- TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.

SEE PROVINCIAL REGULATION 210/72 FOR DETAILS

LOCATION APPROVED
UNDERGROUND 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.

B.M.	ELEV.	NO.	REVISIONS	DATE	BY
		1	RE-ISSUED FOR TENDER	2021 12 02	
		0	ISSUED FOR TENDER	2021 11 22	RBO

KGS GROUP

DESIGNED BY	NGV	CHECKED BY	RBO
DRAWN BY	GEL	APPROVED BY	RBO
SCALE:	HORIZONTAL 1:400	RELEASED FOR CONSTRUCTION	DATE
	VERTICAL -		
	DATE 2021 12 02		

PLOT DATE: 2021 12 02

ENGINEER'S SEAL

CONSULTANT DRAWING NUMBER
21-0107-12_13027

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

PORTAGE AVENUE INTERCEPTOR
SIPHON REPLACEMENT AT OMAND'S CREEK
TEMPORARY BY-PASS PUMPING
PLAN AND DETAILS

SHEET 4 OF 6
CITY DRAWING NUMBER
13027