



MH ID#15380  
RIM EL. 231.150  
N. INV. EL. UNK.  
W. INV. EL. 227.30±  
E. INE. EL. 227.30±

MH ID#15382  
RIM EL. 230.920  
W. INV. EL. 226.96±  
E. INE. EL. 226.96±

3.0 EXTERNAL POINT REPAIR  
(SD-022A) - 4 SERVICE  
RECONNECTIONS

SEWER SERVICE INFORMATION (ID #15381) *	
DISTANCE FROM MH AT MCGREGGOR ST (MH ID #15380)	
11.9 E	SERVICE CONNECTION S
21.4 E	SERVICE CONNECTION N
23.8 E	SERVICE CONNECTION S
37.3 E	SERVICE CONNECTION S
38.2 E	SERVICE CONNECTION N
53.7 E	SERVICE CONNECTION N
54.7 E	SERVICE CONNECTION S
56.5 E	SERVICE CONNECTION S
57.3 E	SERVICE CONNECTION N
69.0 E	SERVICE CONNECTION N
69.7 E	SERVICE CONNECTION N
69.8 E	SERVICE CONNECTION S
70.6 E	SERVICE CONNECTION S
84.0 E	SERVICE CONNECTION N
84.8 E	SERVICE CONNECTION S
98.1 E	SERVICE CONNECTION S
99.0 E	SERVICE CONNECTION N

\* - INFORMATION FROM SEWER VIDEO INSPECTION

**ROYAL AVENUE**

**CONSTRUCTION NOTES:**

- CONTRACTOR TO VERIFY LIMITS OF SEWER REPAIRS PRIOR TO EXCAVATION BY MEANS OF VIDEO INSPECTION.
- CONTRACTOR TO ASSIST WITH VISUAL INSPECTION OF EXISTING SERVICES TO DETERMINE IF SERVICE RENEWAL IS REQUIRED.

**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

**METRIC**

WHOLE NUMBERS INDICATE MILLIMETRES  
DECIMALIZED NUMBERS INDICATE METRES

150 mm W.M.	WATERMAIN	150 mm W.M.	HYDRO	150 mm W.M.	WATERMAIN	150 mm W.M.
⊗	HYDRANT	⊗	M.T.S.	+	HYDRANT	+
⊗	VALVE	⊗	CONCRETE	⊗	VALVE	⊗
300 mm L.D.S.	LAND DRAINAGE SEWER	300 mm L.D.S.	ASPHALT	300 mm L.D.S.	LAND DRAINAGE SEWER	300 mm L.D.S.
250 mm W.W.S.	WASTE WATER SEWER	250 mm W.W.S.	PROPERTY LINE	250 mm W.W.S.	WASTE WATER SEWER	250 mm W.W.S.
○	MANHOLE	●	SURVEY BAR	⊕	Q PROFILE	
▽	CATCH BASIN	■	SERVICE VALVE	⊕	NORTH/WEST GUTTER	
□	CURB INLET	▼	I.P.S.	⊕	SOUTH/EAST GUTTER	
+	JUNCTIONS	⊕	BUILDING	⊕		
⊕	CULVERT					
	GAS					
EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING
				LEGEND-PROFILE	PROPOSED	

**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.	DESIGNED BY	S.C.C.
	DRAWN BY	S.C.C.
	CHECKED BY	P.M.K.
	APPROVED BY	
	HOR. SCALE	1:500
	VERTICAL	
2	ISSUED FOR TENDER	07/05/05 S.C.C.
1	SUBMITTED TO W&W FOR REVIEW	06/29/05 S.C.C.
NO. REVISIONS	DATE	BY
	DATE	MAY 2005

**DILLON CONSULTING**

RELEASED FOR CONSTRUCTION (ORIGINAL SIGNED BY) KAS ZUREK

DATE JULY 5, 2005

ENGINEER'S SEAL

PROVINCE OF MANITOBA

ORIGINAL STAMPED BY P.M. KREITZ 07/04/05

REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NO. 054573-18

**THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT**

2005 COMBINED SEWER RENEWALS AND REPAIRS, CONTRACT 15

**ROYAL AVENUE**  
MH AT MCGREGGOR ST  
TO 1ST MH E. OF MCGREGGOR ST

CITY DRAWING NUMBER 05612

SHEET 18 OF 21

BID OPPORTUNITY 353-2005