

WATER SERVICE INFORMATION

ADDRESS	SIZE	± DIST	JUNCTION TIE	SIZE(mm) & TYPE (STREET)	SIZE(mm) & TYPE (PROP)	SHORT & LONG MEASUREMENT	CORP. LOCATION
70 HARWOOD CR RESIDENTIAL	20	3.99 S OF NL	68.80 S 1ST MH N RANNOCK	20	20	6.27>NNL RANNOCK	2.8 N OF S/C
71 HARWOOD CR RESIDENTIAL	20	6.69 S OF NL	69.56 S 1ST MH N RANNOCK	20	20	7.49>NNL RANNOCK	0.2 S OF S/C
78 HARWOOD CR RESIDENTIAL	20	2.29 W OF SL	75.72 N 2ND MH S RANNOCK	20	20	10.56>SSL RANNOCK	2.8 N OF S/C
79 HARWOOD CR RESIDENTIAL	20	9.16 S OF NL	74.26 N 2ND MH S RANNOCK	20	20	9.92>NNL RANNOCK	1.0 N OF S/C
3 ACORN PL RESIDENTIAL	20	1.77 E OF WL DBL SERV W/5	104.16 E 1ST MH W DALE	20	20	15.84>WWL DALE	1.3 W OF S/C
5 ACORN PL RESIDENTIAL	20	1.77 E OF WL DBL SERV W/3	104.16 E 1ST MH W DALE	20	20	15.84>WWL DALE	2.7 E OF S/C
7 ACORN PL RESIDENTIAL	20	3.27 E OF WL DBL SERV W/9	84.49 E 1ST MH W DALE	20	20	34.87>WWL DALE	0.6 W OF S/C
9 ACORN PL RESIDENTIAL	20	3.27 E OF WL DBL SERV W/7	84.49 E 1ST MH W DALE	20	20	47.51>WWL DALE	3.7 W OF S/C
11 ACORN PL RESIDENTIAL	20	5.60 E OF WL DBL SERV W/15	67.78 E 1ST MH W DALE	20	20	51.65>WWL DALE	1.5 W OF S/C
15 ACORN PL RESIDENTIAL	20	5.60 E OF WL DBL SERV W/11	67.78 E 1ST MH W DALE	20	20	64.47>WWL DALE	0.5 E OF S/C
17 ACORN PL RESIDENTIAL	20	2.60 W OF EL DBL SERV W/19	50.14 E 1ST MH W DALE	20	20	75.23>WWL DALE	1.2 E OF S/C
19 ACORN PL RESIDENTIAL	20	2.60 WEL #17, DBL SERV W/17	50.14 E 1ST MH W DALE	20	20	87.72>WWL DALE	1.2 W OF S/C
21 ACORN PL RESIDENTIAL	20	4.40 E OF WL DBL SERV W/23	31.89 E 1ST MH W DALE	20	20	92.73>WWL DALE	0.5 W OF S/C
23 ACORN PL RESIDENTIAL	20	4.40 E OF EL DBL SERV W/21	31.89 E 1ST MH W DALE	20	20	107.28>WWL DALE	1.5 W OF S/C
25 ACORN PL RESIDENTIAL	20	1.0 W OF EL DBL SERV W/27	13.0 E 1ST MH W DALE	20	20	110.15>WWL DALE	1.9 E OF S/C
27 ACORN PL RESIDENTIAL	20	1.0 WEL #25, DBL SERV W/25	13.0 E 1ST MH W DALE	20	20	117.93>WWL DALE	0.8 E OF S/C
29 ACORN PL RESIDENTIAL	20	0.68 S OF NL DBL SERV W/31	3.96 E 1ST MH W DALE	20	20	119.51>WWL DALE	4.5 N OF S/C
31 ACORN PL RESIDENTIAL	20	0.68 SNL #29, DBL SERV W/29	3.96 E 1ST MH W DALE	20	20	115.10>WWL DALE	0.2 E OF S/C
33 ACORN PL RESIDENTIAL	20	0.43 SSL #35, DBL SERV W/35	7.06 E 1ST MH W DALE	20	20	110.85>WWL DALE	2.5 E OF S/C
35 ACORN PL RESIDENTIAL	20	0.43 S OF SL DBL SERV W/33	7.06 E 1ST MH W DALE	20	20	108.88>WWL DALE	0.4 W OF S/C
37 ACORN PL RESIDENTIAL	20	3.31 EWL #39, DBL SERV W/39	11.46 E 1ST MH W DALE	20	20	101.46>WWL DALE	1.3 W OF S/C
39 ACORN PL RESIDENTIAL	20	3.31 E OF WL DBL SERV W/37	11.46 E 1ST MH W DALE	20	20	88.05>WWL DALE	0.5 E OF S/C
41 ACORN PL RESIDENTIAL	20	4.76 EWL #43, DBL SERV W/43	33.26 E 1ST MH W DALE	20	20	62.46>WWL DALE	0.8 E OF S/C
43 ACORN PL RESIDENTIAL	20	4.76 E OF WL DBL SERV W/41	33.26 E 1ST MH W DALE	20	20	64.12>WWL DALE	1.2 E OF S/C
45 ACORN PL RESIDENTIAL	20	6.73 E OF EL DBL SERV W/47	6.73 E OF EL DBL SERV W/45	20	20	51.42>WWL DALE	0.9 W OF S/C
47 ACORN PL RESIDENTIAL	20	6.73 E OF WL DBL SERV W/45	45.87 E 1ST MH W DALE	20	20	47.46>WWL DALE	2.7 W OF S/C
49 ACORN PL RESIDENTIAL	20	5.57 E OF EL DBL SERV W/51	66.39 E 1ST MH W DALE	20	20	28.54>WWL DALE	1.2 E OF S/C
51 ACORN PL RESIDENTIAL	20	5.57 E OF WL DBL SERV W/49	66.39 E 1ST MH W DALE	20	20	15.34>WWL DALE	1.3 E OF S/C
53 ACORN PL RESIDENTIAL	20	2.76 E OF EL DBL SERV W/55	84.56 E 1ST MH W DALE	20	20	8.74>WWL DALE	1.0 W OF S/C
55 ACORN PL RESIDENTIAL	20	2.76 E OF WL DBL SERV W/53	84.56 E 1ST MH W DALE	20	20		
57 ACORN PL RESIDENTIAL	20	3.54 W OF EL DBL SERV W/59	102.86 E 1ST MH W DALE	20	20		
59 ACORN PL RESIDENTIAL	20	3.54 W OF WL DBL SERV W/57	102.86 E 1ST MH W DALE	20	20		

NOTE: SEWER SERVICE JUNCTION & PROPERTY LINE MEASUREMENTS FROM GIS. MEASUREMENTS WERE MEASURED IN AUTOCAD.

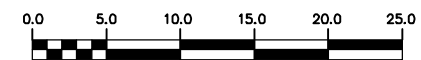
CONSTRUCTION NOTES:

1. ALL PIPE SHALL HAVE CLASS B - TYPE 2 BEDDING
2. INSTALL SEWER BY TRENCHLESS METHODS.
3. CONFIRM THE LOCATION OF ALL SEWER SERVICES.
4. BACKFILL UNDER PAVEMENT, IN SIDEWALKS, & WITHIN 1.0 OF PAVEMENT TO BE CLASS 3.
5. BACKFILL IN BOULEVARD TO BE CLASS 5.
6. RENEW SEWER SERVICES TO R.
7. INSTALL SEWER SERVICE RISERS TO ELEVATION WHERE MINIMUM SLOPE OF 1% IS MAINTAINED FOR ALL SERVICES.

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

WARNING

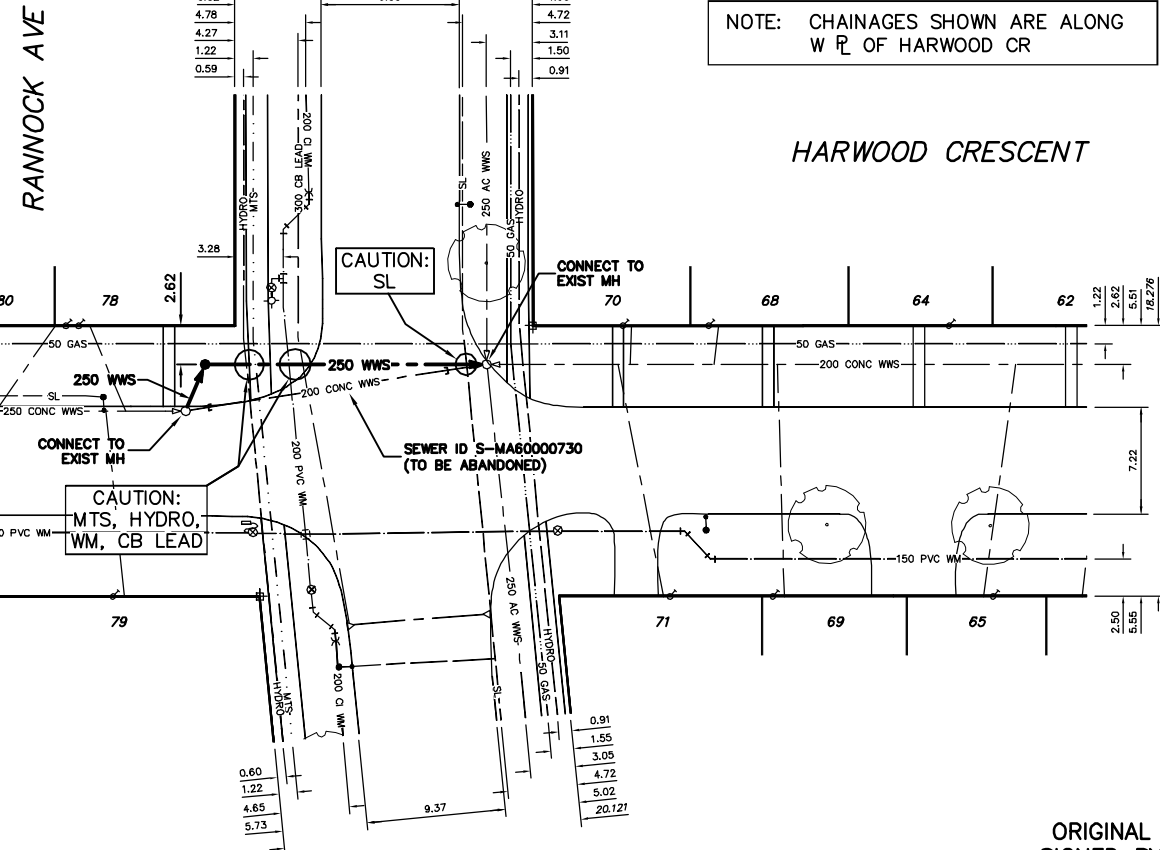
IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:
1) NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
2) TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.
SEE PROVINCIAL REGULATION 210/72 FOR DETAILS



NOTE: CHAINAGES SHOWN ARE ALONG W R OF HARWOOD CR



HARWOOD CRESCENT



SEWER JUNCTION INFORMATION FROM SEWER VIDEO INSPECTION
SEWER ID S-MA60000730
DISTANCE FROM MH ID S-MA60000492
NO JUNCTIONS

ORIGINAL SIGNED BY
S.R.J. COURNOYER
09/01/08

200 WM	WATERMAIN	200 WM	SL, HYDRO	150 WM	WATERMAIN	150 WM
+	HYDRANT	+	MTS	+	HYDRANT	+
o	VALVE	o	TRAFFIC SIGNALS	+	VALVE	+
525 LDS	LAND DRAINAGE SEWER	525 LDS	GAS	300 LDS	LAND DRAINAGE SEWER	300 LDS
375 WWS	WASTEWATER SEWER	375 WWS	SURVEY BAR	250 WWS	WASTEWATER SEWER	250 WWS
o	MANHOLE	o	FENCE	o	PROFILE	o
□	CATCH BASIN	□	POLE - HYDRO, MTS	□	GROUND ABOVE PIPE	□
∇	CURB INLET	∇	CURB STOP	∇	☉ DITCH (NORTH & WEST)	∇
+	JUNCTIONS	+	GUY ANCHOR	+	☉ DITCH (SOUTH & EAST)	+
—	CULVERT	—	LIGHT STANDARD	—	☉ GUTTER (NORTH & WEST)	—
o	ANODE	o	TREE	o	☉ GUTTER (SOUTH & EAST)	o
EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING
EXISTING	LEGEND-PROFILE	PROPOSED	EXISTING	LEGEND-PROFILE	PROPOSED	EXISTING

LOCATION OF UNDERGROUND STRUCTURES
09/01/08

SUPV. U/G STRUCTURES COMMITTEE

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

CITY OF WINNIPEG
WATER AND WASTE
ENGINEERING DIVISION

DESIGNED BY: AMC
CHECKED BY: SC
DRAWN BY: CJH
APPROVED BY: KZ

HOR. SCALE: 1:250
VERTICAL: 1:50

RELEASED FOR CONSTRUCTION

DATE: 2009 09 17

ENGINEER'S SEAL
ORIGINAL SIGNED BY
S.R.J. COURNOYER
09/09/16

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

2009 SEWER RENEWALS
CONTRACT 45
HARWOOD CRESCENT
1ST MH S OF RANNOCK AVENUE TO
MH AT RANNOCK AVENUE

SHEET 21 OF 23
CITY DRAWING NUMBER
9018

BID OPPORTUNITY: 669-2009
FILENAME: 9018.dwg
PLOT DATE: 2009 09 17