



SUB-DRAIN	SUB-DRAIN	SUB-DRAIN	POLES	POLES
300 LBS. LAND DRAINAGE SEWER	300 LBS. LAND DRAINAGE SEWER	300 LBS. LAND DRAINAGE SEWER	TEST HOLE	TEST HOLE
250 WWS	250 WWS	250 WWS	GUY WIRE	GUY WIRE
150 WWS	150 WWS	150 WWS	LIGHT STANDARD	LIGHT STANDARD
150 WWS	150 WWS	150 WWS	BACK OF CURB	BACK OF CURB
150 WWS	150 WWS	150 WWS	CONCRETE	CONCRETE
150 WWS	150 WWS	150 WWS	ASPHALT	ASPHALT
150 WWS	150 WWS	150 WWS	PROPERTY LINE	PROPERTY LINE
150 WWS	150 WWS	150 WWS	PROPERTY BAR	PROPERTY BAR
150 WWS	150 WWS	150 WWS	SURVEY BENCH MARK	SURVEY BENCH MARK
150 WWS	150 WWS	150 WWS	ELEVATION	ELEVATION
150 WWS	150 WWS	150 WWS	PROPOSED	PROPOSED
150 WWS	150 WWS	150 WWS	EXISTING	EXISTING
150 WWS	150 WWS	150 WWS	LEGEND-PLAN	LEGEND-PLAN
150 WWS	150 WWS	150 WWS	PROPOSED	PROPOSED
150 WWS	150 WWS	150 WWS	EXISTING	EXISTING
150 WWS	150 WWS	150 WWS	LEGEND-PROFILE	LEGEND-PROFILE
150 WWS	150 WWS	150 WWS	PROPOSED	PROPOSED
150 WWS	150 WWS	150 WWS	EXISTING	EXISTING

SUB-DRAIN DETAIL
SCALE: 1:20

TYPICAL ALLEY CROSS SECTION
SCALE: 1:50

LOCATION APPROVED UNDERGROUND STRUCTURES

NO.	REVISIONS	DATE	BY	CR
0	ISSUED FOR TENDER	14/05/04	CR	
1	ISSUED FOR REVIEW	13/02/04	CR	

KGS CONSULTING ENGINEERS & PROJECT MANAGERS
WINNIPEG, MANITOBA

DESIGNED BY: B.S.
DRAWN BY: D.W.
CHECKED BY: C.R.
APPROVED BY: R.J.H.

THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT ENGINEERING SERVICES DIVISION

PROJECT TITLE: 2004 ALLEY RENEWALS

MONTRORSE ST./WAVERLEY ST. LANE GROSVENOR AVE. TO CORYDON AVE. STA. 0+94.60 TO STA. 2+25

APGIN
Certificate of Authorization
KGS Group

No. 245 Expiry: April 30, 2005

SHEET 10 OF 12
COMPUTER FILE NAME: 03-107-15
CITY DRAWING NUMBER:

WARNING

POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED WITH CARE AND PRECAUTION ON THIS PROJECT. THE CONTRACTOR SHALL NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF ALL SERVICES AND EXISTING UTILITIES PRIOR TO CONSTRUCTION. SEE PROVINCIAL REGULATION 210/72 FOR DETAILS.

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES