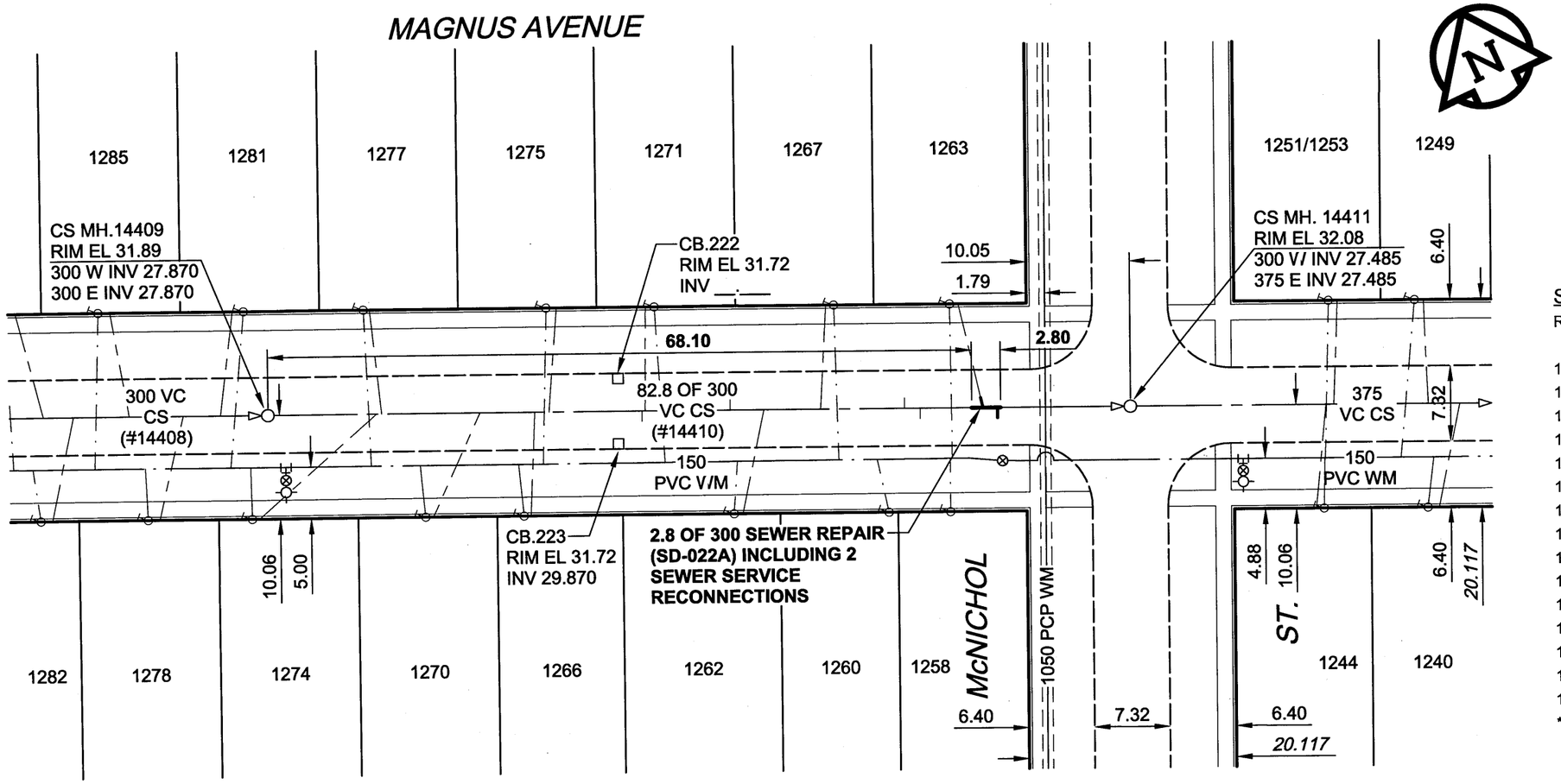
B SIZE 11" x 17" (279mm x 432mm)



SEWER JUNCTION INFORMATION*

REF. MH	DIST FROM REF. MH	SIZE	CLOCK AT
14409	3.60	150Ø	02
14409	10.50	150Ø	02
14409	11.00	150Ø	10
14409	20.50	150Ø	02
14409	25.80	150Ø	02
14409	27.20	150Ø	10
14409	36.20	150Ø	02
14409	36.50	150Ø	10
14409	44.70	150Ø	10
14409	48.00	150Ø	02
14409	53.50	150Ø	10
14409	61.60	150Ø	10
14409	63.10	150Ø	02
14409	69.20	150Ø	10
14409	70.60	150Ø	02

*JUNCTION INFORMATION FROM VIDEO INSPECTION

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 140/92 FOR DETAILS

METRIC

V/HOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

APEGM
Certificate of Authorization
UMA Engineering Ltd.
No. 256 Expiry: April 30, 2005

BID OPPORTUNITY NO.271-2004

LOCATION APPROVED

UNDERGROUND STRUCTURES

SUPR. 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.

BM 24-022 ELEV 232.045 — S.E. Cor. Burrows Ave. & McNicol St., Brass plug in 7.3m Conc. pile, 2.6 m N. of S.L. of Burrows Ave. & 0.6m E. of E.L. of McNichol St.

NO.	REVISIONS	YY/MM/DD	BY
0	ISSUED FOR CONSTRUCTION	04/05/31	ADL

uma
www.umagroup.com

2004 UMA ENGINEERING LTD. ALL RIGHTS RESERVED.

DESIGNED BY	ALD	CHECKED BY	
DRAWN BY	ADL	APPROVED BY	CCM
HOR. SCALE	1:500	RELEASED FOR CONSTRUCTION	
VERT. SCALE			
DATE		DATE	

PROFESSIONAL'S SEAL
PROVINCE OF MANITOBA
28 MAY 04
C. C. MACEY
REGISTERED ENGINEER

CONSULTANT DRAWING NO. 10
D265-107-02

Winnipeg

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

2004 COMBINED SEWER RENEWALS
CONTRACT 13
SEWER REPAIRS AND REPLACEMENTS

MAGNUS AVENUE
145m W OF SHAUGHNESSY STREET
TO McNICHOL STREET

SHEET 10 OF 17

CITY DRAWING NUMBER
05472 REV 0

UMA FILE NAME: D265-107-02_13-C-1010_RX.DWG 2004-05-28 11:58am ADL