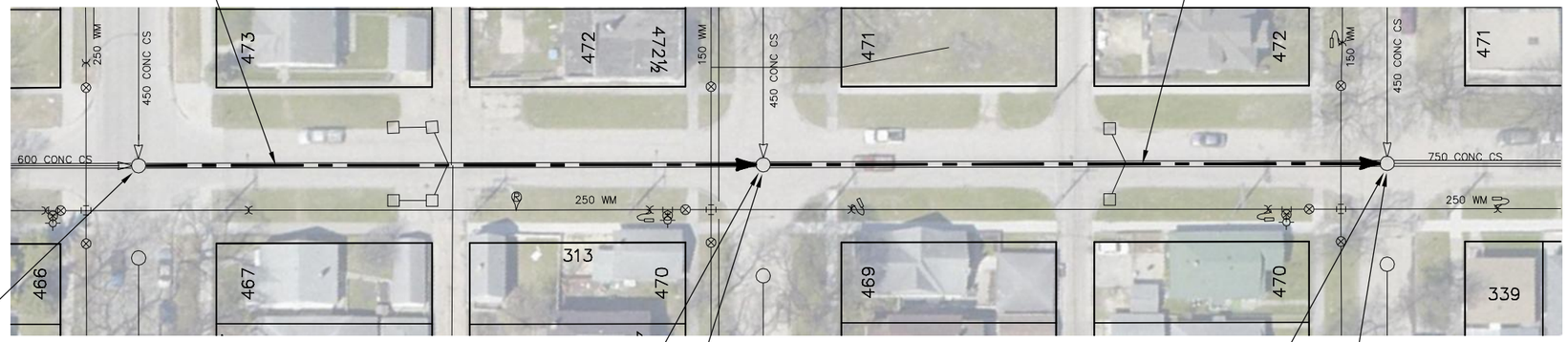
80.50 OF 600 CONC CS
TO BE LINED S-MA00015074
(FULLY DETERIORATED)

POWERS STREET

80.70 OF 750 CONC CS
TO BE LINED S-MA00015077
(FULLY DETERIORATED)



S-MH00013428
RIM 231.40
INV N 226.10
INV S 226.10
INV W 226.25

S-MH00013431
RIM 231.50
INV N 225.93
INV S 225.93
INV W 226.23

GROUT SEWER/MH INTERFACE
AND RENOVATE FRACTURES
WITH SHOTCRETE
(TO BE DONE BY OTHERS)

S-MH00013592
RIM 231.36
INV N 225.62
INV S 225.62
INV W 225.92

REPLACE BENCHING
(TO BE DONE BY OTHERS)

REDWOOD AVE

BOYD AVE

COLLEGE AVE

SEWER JUNCTION INFORMATION FROM
SEWER VIDEO INSPECTION
SEWER ID S-MA00015074

DISTANCE FROM MH ID S-MH00013428

DISTANCE	DIAMETER	CLOCK
23.2	150	1
23.2	150	11
38.5	150	1
39.2	150	11
40.0	150	10
40.2	150	2
56.2	150	11
56.2	150	1
69.8	150	11
69.8	150	1

SEWER JUNCTION INFORMATION FROM
SEWER VIDEO INSPECTION
SEWER ID S-MA00015077

DISTANCE FROM MH ID S-MH00013431

DISTANCE	DIAMETER	CLOCK
23.3	150	1
24.3	150	9
24.3	150	3
36.8	150	10
44.2	150	2
44.5	150	10
52.1	150	3
52.1	150	9
61.0	150	9
61.0	150	3
69.8	150	3
70.0	150	9
72.1	150	2

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

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

0.0 10.0 20.0 30.0 40.0

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.

CONSTRUCTION COMPLETION DATE: YYYY MM DD

NO.	REVISIONS	DATE	BY

DESIGNED BY	SC	CHECKED BY	SC
DRAWN BY	CJH	APPROVED BY	KZ
SCALE: HORIZONTAL	1:750	RELEASED FOR CONSTRUCTION	
VERTICAL			
DATE	2013 12 10	DATE	

PLOT DATE: 2013 12 10

ENGINEER'S SEAL

ORIGINAL
SIGNED BY
S.R.J.
COURNOYER
12-11-28

CONSULTANT DRAWING NUMBER
–

BID OPPORTUNITY: 965-2013
CONTRACT NUMBER: 13

Winnipeg

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

2013 SEWER RENEWALS
BY CIPP LINING
POWERS STREET
MH AT REDWOOD AVENUE TO
MH AT COLLEGE AVENUE

SHEET 39 OF 46

CITY DRAWING NUMBER
10659

FILE PATH: R:\DRAWINGS\SEWER\2013_RENEWALS\CIPP'S\CONTRACT 13\CIPP's\
FILE NAME: POWERS.dwg