

EXISTING FEATURES

234
233
232
231
230
229
228
227

234
233
232
231
230
229
228
227

EXISTING WATERMAIN ELEVATION ASSUMED.
EXACT ELEVATION UNKNOWN.

CENTERLINE PAVEMENT

FLANGE EL 232.70

FLANGE EL 232.51

150 CI WM (TO BE ABANDONED)

150 CI WM (TO BE ABAND)

150 CI WM (TO BE ABANDONED)

900 FEEDERMAIN

900 FEEDERMAIN

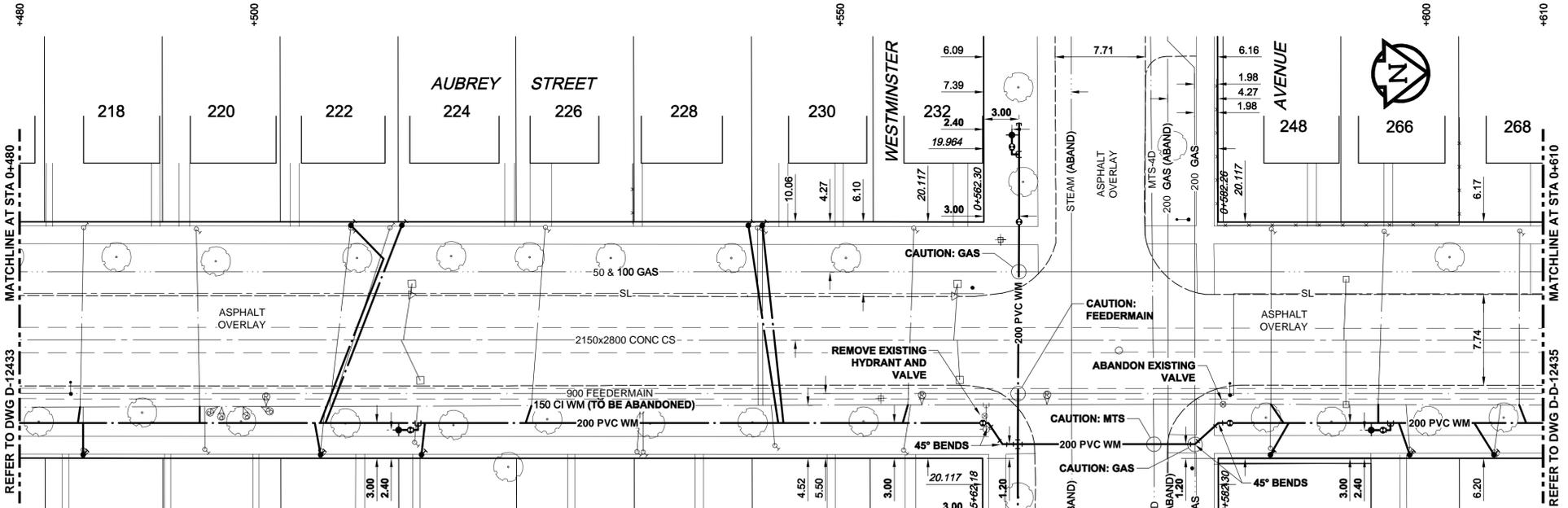
INV 229.75

INV 229.51
INV 229.42
INV 229.15

INV 229.15
INV 229.42
INV 229.55

INV 229.55

CHAINAGE ALONG EAST PROPERTY LINE



NOTIFY ANDY VINCENT (CITY OF WINNIPEG)
AT 986-3823 48 HOURS PRIOR TO
EXCAVATION NEAR FEEDERMAIN



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 140/92 FOR DETAILS

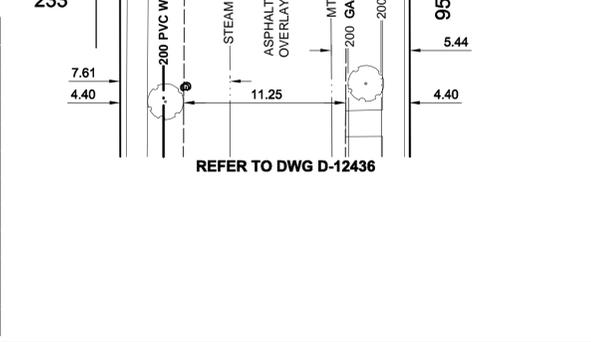
- CONSTRUCTION NOTES:**
- EXPOSE WATERMAIN CONNECTIONS AND CONFIRM INVERTS PRIOR TO CONSTRUCTION
 - INSTALL WATERMAIN BY TRENCHLESS METHODS.
 - ALL MATERIALS SHALL CONFORM TO THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.
 - MINIMUM COVER TO TOP OF PROPOSED WATERMAIN SHALL BE 2.5m FROM STREET CENTERLINE.
 - INSTALL ALL HYDRANTS WITH FLANGE ELEVATION 50mm TO 150mm ABOVE FINISHED GRADE.
 - REPLACE ALL EXISTING LEAD SERVICES FROM THE PROPOSED WATERMAIN TO PROPERTY LINE.
 - NOTIFY ALL AFFECTED RESIDENTS AND BUSINESSES 24 HOURS IN ADVANCE OF ANY WATER SHUTDOWN OR DISRUPTION OF SERVICE.
 - LOCATION OF WATER SERVICES SHOWN ON DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD LOCATE ALL WATER SERVICES PRIOR TO CONSTRUCTION.
 - BACKFILL UNDER OR WITHIN 1.0m OF PAVEMENTS, INCLUDING SIDEWALKS SHALL BE CLASS 3 BACKFILL EXCEPT AS NOTED. BACKFILL IN BOULEVARDS SHALL BE CLASS 5 BACKFILL. BACKFILL WITHIN 1.5m OF THE 900 FEEDERMAIN SHALL BE MODIFIED CLASS 3 AS SPECIFIED IN E9.



METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

BID OPPORTUNITY NO. 451-2011

ADDRESS	NATURE OF SERVICE	SIZE	MATERIAL	DISTANCE SC TO PROPERTY	POSITION OF SC (curb stop)	POSITION OF CC (corp)	COMMENTS:
217	AUBREY ST	RESIDENTIAL	1/2 in (13 mm) LEAD	(0.3 m)	Long: (62.5 m) S of SL WESTMINSTER Short: (0.9 m) N of SL CELLAR	Long: (62.2 m) S of SL WESTMINSTER	RENEW TO PROPERTY
218	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.5 m)	Long: (6.4 m) S of NL HOUSE Short: OPP	Long: (0.3 m) S of S/C	MAIN TAPPED OPPOSITE SIDE
219	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.5 m)	Long: (66.4 m) S of SL WESTMINSTER Short: (0.3 m) N of SL HOUSE	Long: (0.3 m) S of S/C	MAIN TAPPED OPPOSITE SIDE
220	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.5 m)	Long: (6.9 m) N of SL HOUSE Short: (0.3 m) N of SL HOUSE	Long: (0.3 m) N of S/C	MAIN TAPPED OPPOSITE SIDE
221	AUBREY ST	RESIDENTIAL	1/2 in (13 mm) LEAD	(0.5 m)	Long: (67.0 m) S of SL WESTMINSTER Short: (1.1 m) N of SL HOUSE	Long: (66.1 m) S of SL WESTMINSTER	RENEW TO PROPERTY
222	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.5 m)	Long: (4.3 m) N of SL HOUSE Short: (1.8 m) S of NL HOUSE	Long: (1.8 m) S of S/C	MAIN TAPPED OPPOSITE SIDE RENEW TO PROPERTY
223	AUBREY ST	RESIDENTIAL	1/2 in (13 mm) LEAD	(0.3 m)	Long: (49.4 m) S of SL WESTMINSTER Short: (1.2 m) S of SL BASEMENT	Long: (48.2 m) S of SL WESTMINSTER	RENEW TO PROPERTY
224	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.5 m)	Long: (8.8 m) S of NL HOUSE Short: (1.7 m) S of SL HOUSE	Long: (5.2 m) S of S/C	MAIN TAPPED OPPOSITE SIDE RENEW TO PROPERTY
225	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.3 m)	Long: (29.3 m) S of SL WESTMINSTER Short: (1.1 m) N of NL HOUSE	Long: (0.3 m) N of S/C	MAIN TAPPED OPPOSITE SIDE
226	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.5 m)	Long: (4.7 m) S of NL HOUSE Short: (1.4 m) N of SL HOUSE	Long: (1.2 m) S of S/C	MAIN TAPPED OPPOSITE SIDE
228	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.5 m)	Long: (9.8 m) N of SL HOUSE Short: (3.0 m) N of NL HOUSE	Long: (0.3 m) N of S/C	MAIN TAPPED OPPOSITE SIDE RENEW TO PROPERTY



ADDRESS	NATURE OF SERVICE	SIZE	MATERIAL	DISTANCE SC TO PROPERTY	POSITION OF SC (curb stop)	POSITION OF CC (corp)	COMMENTS:
229	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.3 m)	Long: (29.0 m) S of SL WESTMINSTER Short: OPP	Long: (0.3 m) S of S/C	MAIN TAPPED OPPOSITE SIDE RENEW TO PROPERTY
230	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.5 m)	Long: (9.0 m) S of NL HOUSE Short: (2.3 m) S of SL HOUSE	Long: (0.3 m) S of S/C	MAIN TAPPED OPPOSITE SIDE RENEW TO PROPERTY
231	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.9 m)	Long: (18.1 m) S of SL WESTMINSTER Short: (0.3 m) S of SL BLDG	Long: (0.3 m) S of S/C	MAIN TAPPED OPPOSITE SIDE
232	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.5 m)	Long: (6.4 m) S of SL WESTMINSTER Short: (0.9 m) N of SL HOUSE	Long: (0.5 m) S of S/C	MAIN TAPPED OPPOSITE SIDE
233	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.5 m)	Long: (6.6 m) S of SL WESTMINSTER Short: (2.1 m) N of SL HOUSE	Long: (0.6 m) N of S/C	RENEW TO PROPERTY
951	WESTMINSTER AVE	RESIDENTIAL	1 in (25 mm) LEAD	(0.5 m)	Long: (4.6 m) N of NL WESTMINSTER Short: (4.6 m) N of NL WESTMINSTER	Long: (0.3 m) S of S/C	RENEW TO PROPERTY
248	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.5 m)	Long: (4.9 m) N of NL WESTMINSTER Short: (0.6 m) N of NL HOUSE	Long: (0.3 m) S of S/C	MAIN TAPPED OPPOSITE SIDE
251	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) LEAD	(0.3 m)	Long: (16.5 m) N of NL WESTMINSTER Short: (2.6 m) N of SL HOUSE	Long: (0.3 m) S of S/C	RENEW TO PROPERTY
253	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) LEAD	(0.3 m)	Long: (23.5 m) N of NL WESTMINSTER Short: (1.2 m) N of SL HOUSE	Long: (24.1 m) N of NL WESTMINSTER	RENEW TO PROPERTY
266	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.5 m)	Long: (14.6 m) N of SL WESTMINSTER Short: (2.1 m) N of SL HOUSE	Long: (0.5 m) S of S/C	MAIN TAPPED OPPOSITE SIDE
268	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.5 m)	Long: (26.2 m) N of NL WESTMINSTER Short: (2.7 m) N of SL HOUSE	Long: (0.3 m) S of S/C	MAIN TAPPED OPPOSITE SIDE

EXISTING	NEW	EXISTING	NEW	EXISTING	NEW	EXISTING	NEW
150 WM	WATERMAIN	150 WM	CURB STOP	150 WM	WATERMAIN	150 WM	WATERMAIN
HYDRANT VALVE	REDUCER COUPLING	HYDRANT VALVE	REDUCER COUPLING	HYDRANT VALVE	REDUCER COUPLING	HYDRANT VALVE	REDUCER COUPLING
300 LDS LAND DRAINAGE SEWER	300 LDS WASTE WATER SEWER	250 WWS	MANHOLE CATCH BASIN	250 WWS	MANHOLE CATCH BASIN	250 WWS	MANHOLE CATCH BASIN
PIPE ABANDONMENTS	SURVEY BAR	PIPE ABANDONMENTS	SURVEY BAR	PIPE ABANDONMENTS	SURVEY BAR	PIPE ABANDONMENTS	SURVEY BAR
LEGEND - PLAN	LEGEND - PLAN	LEGEND - PROFILE	LEGEND - PROFILE	LEGEND - PLAN	LEGEND - PROFILE	LEGEND - PLAN	LEGEND - PROFILE

LOCATION APPROVED UNDERGROUND STRUCTURES

BM 37-059 ELEV. 232.782m

S.E. Cor. Westminister Ave. & Lipson St., T4L in W. Initial State Foundation of No. 191 Lipson St., 0.6m S. & 0.3m A.G.L. of N.W. Cor. of Bldg.

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.

AECOM

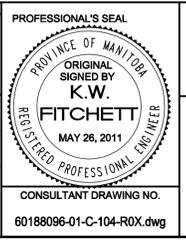
DESIGNED BY GSK CHECKED BY FMI

DRAWN BY JP APPROVED BY CCM

HOR. SCALE 1:250 VERT. SCALE 1:50

RELEASED FOR CONSTRUCTION KAS ZUREK

DATE 2011/05/26



THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT

2011 WATERMAIN RENEWALS CONTRACT 4

AUBREY STREET STATION 0+480 TO STATION 0+610

SHEET 4 OF 7

CITY DRAWING NUMBER D-12434

REV 0