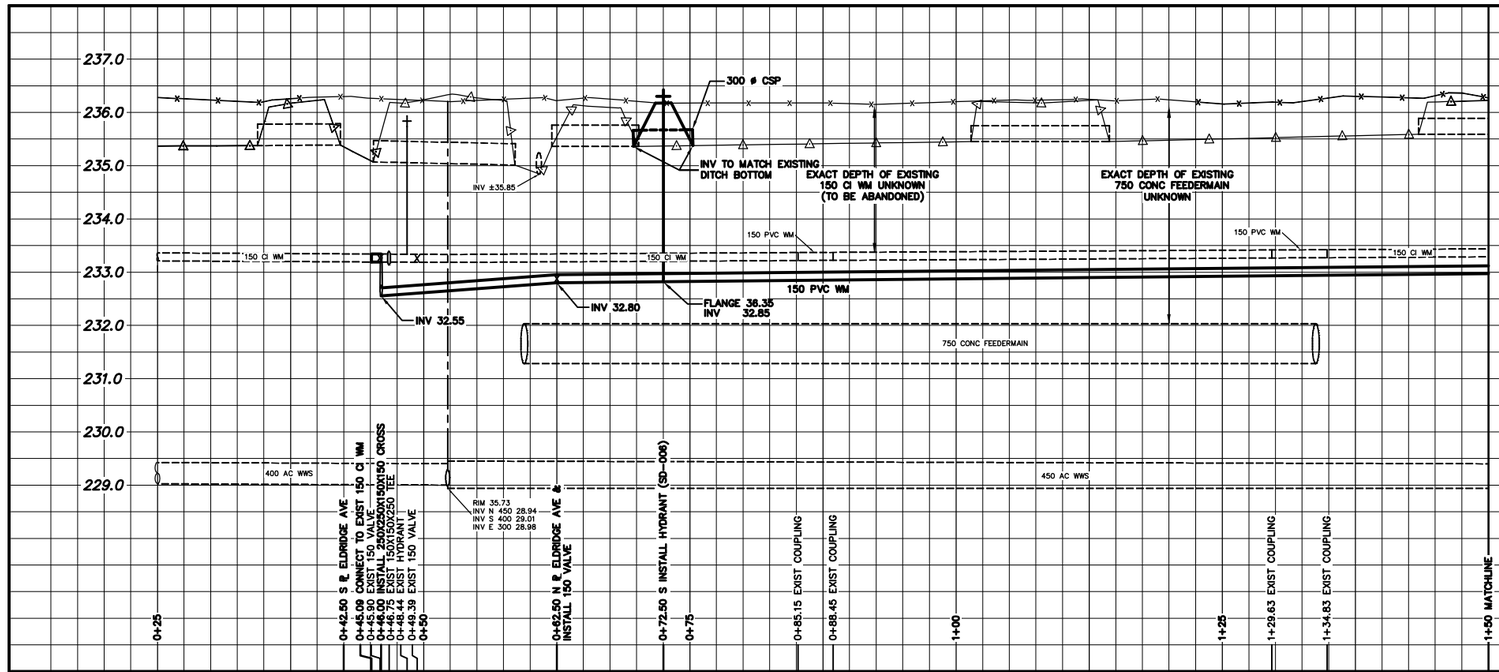
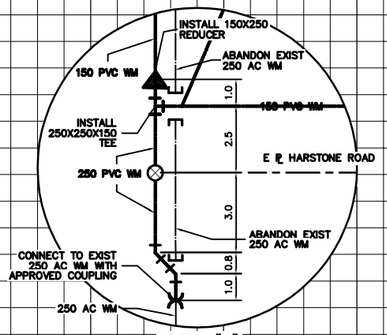
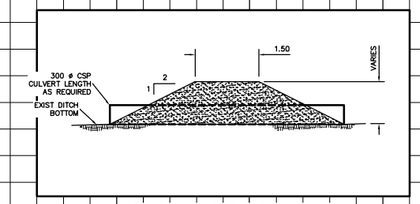




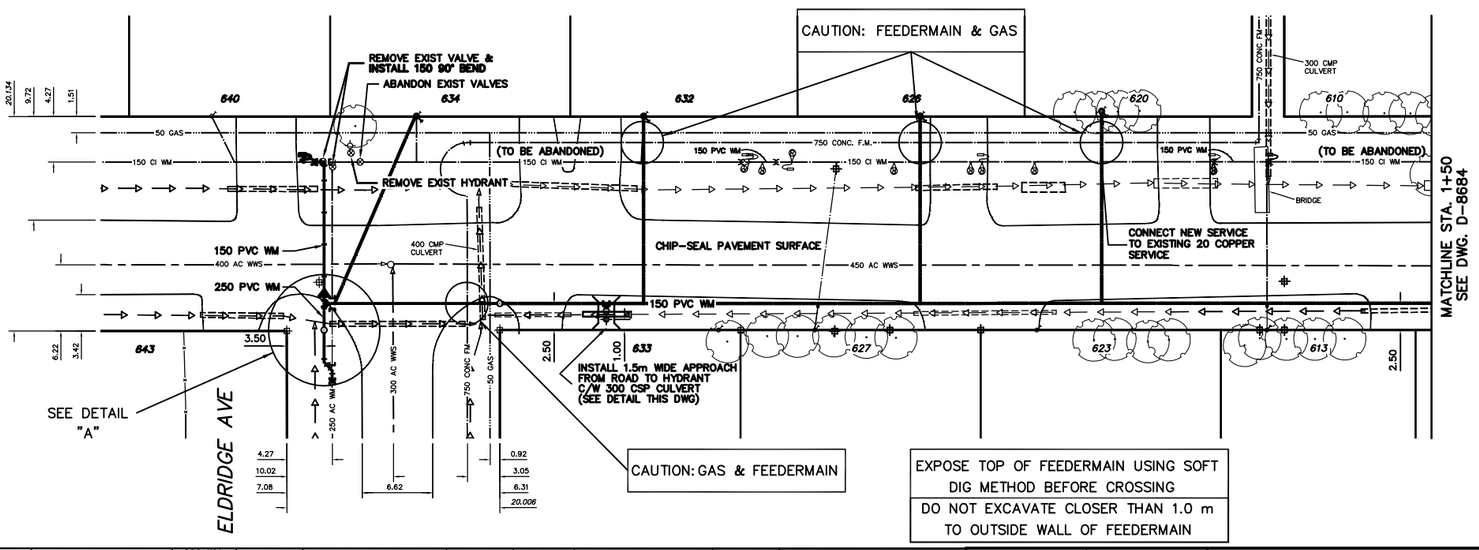
DETAIL "A"
N.T.S.



HYDRANT APPROACH DETAIL
N.T.S.

NOTE: CHAINAGES SHOWN ARE ALONG W. ℄ OF HARSTONE RD.

HARSTONE ROAD



EXPOSE TOP OF FEEDERMAIN USING SOFT DIG METHOD BEFORE CROSSING

DO NOT EXCAVATE CLOSER THAN 1.0 m TO OUTSIDE WALL OF FEEDERMAIN

WATER SERVICE INFORMATION

ADDRESS	SIZE(mm) & TYPE (STREET)	SIZE(mm) & TYPE (PROP)	SHORT & LONG MEASUREMENT	CORP. LOCATION	REMARKS
613 HARSTONE RD RESIDENTIAL	20 COPPER	– –	2.59 N OF SHL 11.19 OUT	–	– –
* 620 HARSTONE RD RESIDENTIAL	20 COPPER	– –	5.94 N OF SHL 11.26 OUT	–	– –
623 HARSTONE RD RESIDENTIAL	– –	– –	3.66 N OF SHL –	–	– –
* 626 HARSTONE RD RESIDENTIAL	20 COPPER	– –	8.23 N OF SHL 7.92 OUT	–	– –
627 HARSTONE RD RESIDENTIAL	20 COPPER	– –	4.88 N OF SHL 12.19 OUT	7.62 SNHL	– –
* 632 HARSTONE RD RESIDENTIAL	– –	– –	4.88 N OF SHL –	–	– –
633 HARSTONE RD RESIDENTIAL	– –	– –	0.15 S OF NHL 6.84 OUT	–	– –
* 634 HARSTONE RD RESIDENTIAL	– –	– –	2.44 N OF SHL –	–	– –
640 HARSTONE RD RESIDENTIAL	20 COPPER	20 COPPER	6.25 R/LHL 10.97 FROM HYD @ 634	2.13 N OF S/C	– –
643 HARSTONE RD RESIDENTIAL	– –	– –	0.61 S OF SHL –	–	– –

* SERVICES TO BE RENEWED TO ℄ ALL OTHERS TO BE RECONNECTED

CONSTRUCTION NOTES

1. EXPOSE EXISTING WATERMAIN & CONFIRM INVERTS PRIOR TO CONSTRUCTION.
2. CONFIRM LOCATION OF ALL SERVICES IN THE FIELD.
3. INSTALL WATERMAIN BY TRENCHLESS METHODS.
4. TRENCHES AND EXCAVATIONS WITHIN 1 METRE OF A PAVED AREA INCLUDING SIDEWALKS SHALL BE CLASS 3 BACKFILL.
5. ALL MATERIALS SHALL CONFORM TO THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.
6. MINIMUM COVER TO TOP OF WATERMAIN SHALL BE 2.4 m.
7. REPLACE ALL EXISTING LEAD SERVICES FROM PROPOSED WATERMAIN TO ℄.
8. NOTIFY ALL AFFECTED RESIDENTS AND BUSINESSES 24 HOURS IN ADVANCE OF ANY WATER SHUTDOWNS OR DISRUPTION OF SERVICE.

NOTE: ALL VALVES TO BE INSTALLED CLOCKWISE TO CLOSE

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

0.0 5.0 10.0 15.0 20.0 25.0

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

EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PROFILE	PROPOSED
200 WM	WATERMAIN	200 WM		SL , HYDRO		150 WM	WATERMAIN	150 WM
	HYDRANT			MTS			HYDRANT	
	VALVE			TRAFFIC SIGNALS			VALVE	
525 LDS	LAND DRAINAGE SEWER	525 LDS	50 GAS	GAS	50 GAS	300 LDS	LAND DRAINAGE SEWER	300 LDS
375 WWS	WASTEWATER SEWER	375 WWS		SURVEY BAR		250 WWS	WASTEWATER SEWER	250 WWS
	MANHOLE			FENCE			℄ PROFILE	
	CATCH BASIN			POLE – HYDRO, MTS			GROUND ABOVE PIPE	
	CURB INLET			CURB STOP			℄ DITCH (NORTH & WEST)	
	REDUCER			GUY ANCHOR			℄ DITCH (SOUTH & EAST)	
	COUPLER			LIGHT STANDARD			GUTTER (NORTH & WEST)	
	ANODE			TREE			GUTTER (SOUTH & EAST)	

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. — FIELD BOOK #
POSTED TO LBIS

NO.	REVISIONS	DATE	BY

CITY OF WINNIPEG
WATER AND WASTE
ENGINEERING DIVISION

DESIGNED BY	SC	CHECKED BY	TW/KZ
DRAWN BY	CJH/BAW	APPROVED BY	KZ
HOR. SCALE	1:250	RELEASED FOR CONSTRUCTION	
VERTICAL	1:50		
DATE	2005 04 20	DATE	

ENGINEER'S SEAL
ORIGINAL SIGNED BY K.R. ZUREK 05/04/20

BID OPPORTUNITY: 176-2005
FILENAME : D-8683_D8684.dwg
PLOT DATE: 2005 04 20

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

2005 WATERMAIN RENEWALS AND ASSOCIATED WORKS
HARSTONE ROAD
ELDRIDGE AVENUE TO 97 m NORTH OF ELDRIDGE AVENUE

SHEET 3 OF 10
CITY DRAWING NUMBER
D-8683