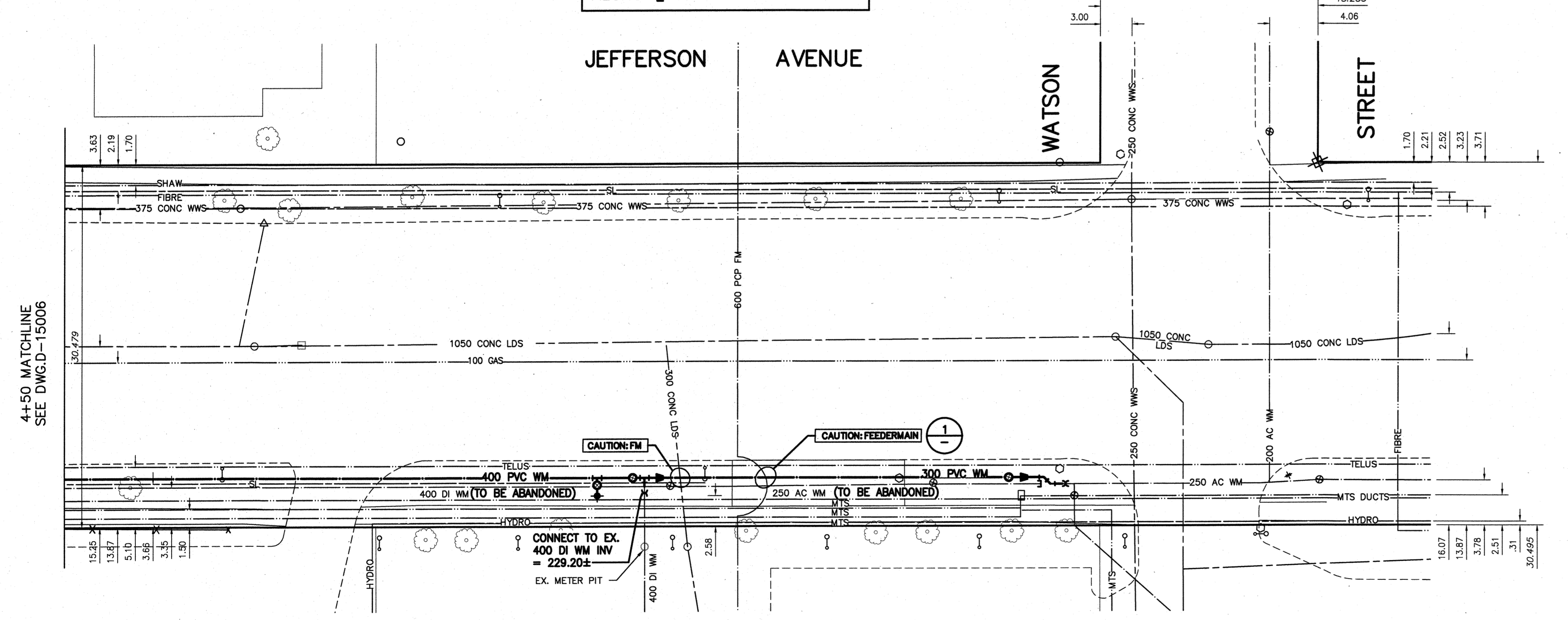
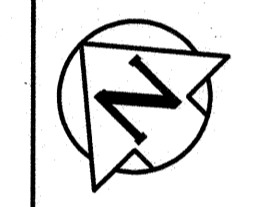


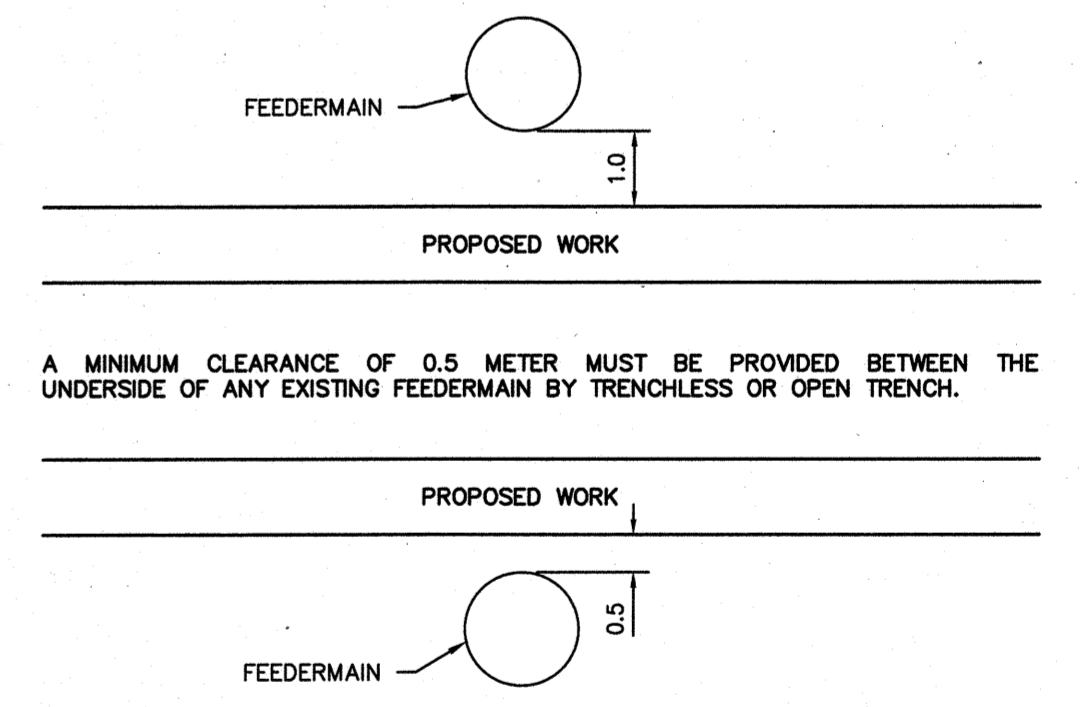
NOTE: CHAINAGES SHOWN ARE ALONG  $\phi$  OF JEFFERSON AVENUE



CONCRETE DEMOLITION AND REMOVAL WITHIN 3.0 METERS HORIZONTALLY OF THE FEEDERMAIN SHALL BE COMPLETED BY SAWCUTTING AND REMOVAL, OR BY THE USE OF HAND HELD JACKHAMMERS. USE OF MACHINE MOUNTED CONCRETE BREAKERS ABOVE THE FEEDERMAIN SHALL NOT BE PERMITTED.

DO NOT OPERATE VIBRATORY EQUIPMENT OVER OR WITHIN 3.0 METERS OF THE FEEDERMAIN.

A MINIMUM CLEARANCE OF 1.0 METER MUST BE PROVIDED BETWEEN THE UNDERSIDE OF ANY EXISTING FEEDERMAIN AND THE TOP OF THE PROPOSED WORKS. THIS INSTALLATION BY TRENCHLESS METHOD ONLY.

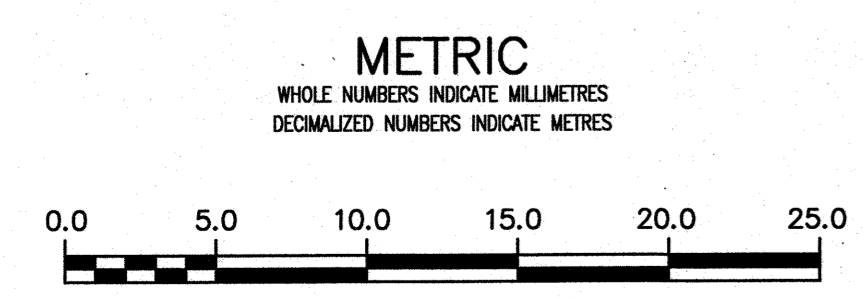


A SHAFT MUST BE EXCAVATED BY SOFT DIG METHODS 4.0 METERS FROM THE CENTRELINE OF THE FEEDERMAIN TO CONFIRM THE ALIGNMENT AND ELEVATION OF THE DRILLING ROD BEFORE IT CROSSES OVER OR UNDER THE FEEDERMAIN. THIS CONFIRMATION MUST BE WITNESS BY A CITY REPRESENTATIVE.

PRIOR TO ANY CONSTRUCTION, THE FEEDERMAIN MUST BE EXPOSED BY A SOFT DIG METHOD.

1 FEEDERMAIN CROSSING DETAIL  
N.T.S.

NOTE: VALVES TO BE INSTALLED CLOCKWISE TO CLOSE



**ENGINEERS GEOSCIENTISTS MANITOBA**  
Certificate of Authorization  
Stantec Consulting Ltd.  
No. 1301

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 UTILITIES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

B.M. 14-6 ELEV. 232.126 m	S.W. Cor. McPhillips St. & Stordust Ave., Tblt. in N. Conc. foundation No. 2100 McPhillips St., 3 m E. & 0.1 m below brick of N.W. Cor. of Bldg.		
01	ISSUED FOR TENDER	2018.03.21	RS
NO.	REVISIONS	DATE	BY

**Stantec**

DESIGNED BY: RS  
DRAWN BY: SG  
SCALE: HORIZONTAL 1:250, VERTICAL 1:50  
DATE: 2018 02 06  
PLOT DATE: 2018 03 16

CHECKED BY: WB  
APPROVED BY: RS  
RELEASED FOR CONSTRUCTION  
DATE: 2018 03 16

ENGINEER'S SEAL  
PROVINCE OF MANITOBA  
R.M. SHEPLOCK  
REGISTERED PROFESSIONAL ENGINEER  
CONSULTANT DRAWING NUMBER  
C-206

**THE CITY OF WINNIPEG**  
WATER AND WASTE DEPARTMENT  
ENGINEERING DIVISION

2018 WATERMAIN RENEWALS  
CONTRACT 4  
JEFFERSON AVENUE  
27.8 EEL MAYNARD CLOSE TO  
WATSON STREET

SHEET 8 OF 11  
CITY DRAWING NUMBER  
D-15007