



SPACE A MINIMUM OF 12 mm OFF WALL USING A MOUNTING BRACKET OR UNISTRUT (ALUMINUM OR STAINLESS STEEL)

EXPLOSION-PROOF HART PORT

CLASS I, ZONE 1 RATED CABLE SEAL (TYP.)

MSA ULTIMA XE TRANSMITTER

1500 mm AFF

CABLE TO JUNCTION BOX OR GAS DETECTION CONTROLLER AS REQUIRED

METRIC  
WHOLE NUMBERS INDICATE MILLIMETRES  
DECIMALIZED NUMBERS INDICATE METRES

**ES** ENGINEERS  
GEOSCIENTISTS  
MANITOBA  
Certificate of Authorization  
CENGYS Ltd.  
No. 6983

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.			
00	ISSUED FOR CONSTRUCTION	2019-08-01	SLF
NO.	REVISIONS	DATE	BY
		2019-05-26	

DESIGNED BY C. REIMER	CHECKED BY C. REIMER
DRAWN BY S. FUNK	APPROVED BY C. REIMER
HOR. SCALE: 1:4 VERTICAL:	RELEASED FOR CONSTRUCTION: K. SCHIMKE
DATE 2019-05-26	DATE 2019-08-01

ENGINEER'S SEAL
BID OPPORTUNITY NO. 630-2019

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT	
NORTH END SEWAGE TREATMENT PLANT DIGESTERS INSTALLATION DETAILS COMBUSTIBLE GAS DETECTION	
CITY DRAWING NUMBER 1-1010D-A0131-001	SHEET OF 41 44