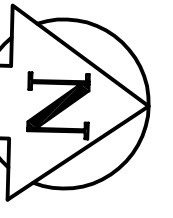
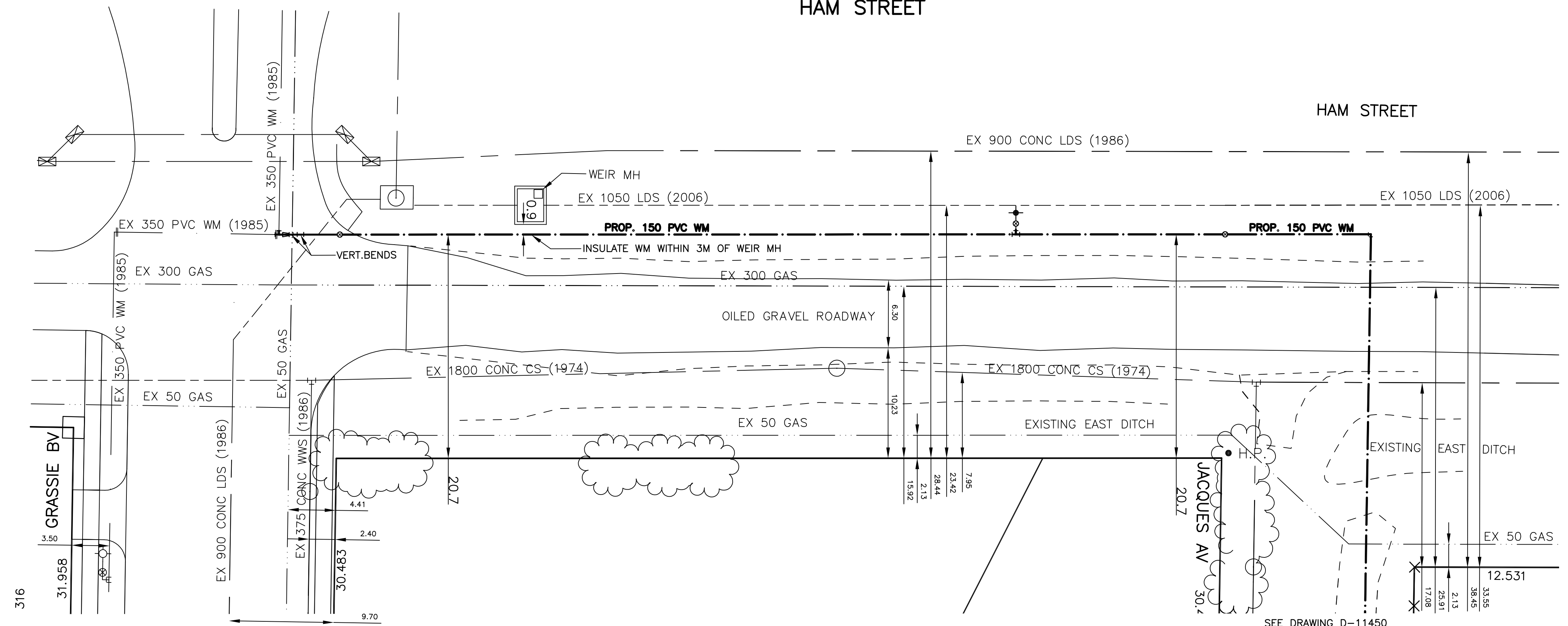


CHAINAGE ALONG EAST PROPERTY LINE OF HAM STREET

HAM STREET



METRIC  
WHOLE NUMBERS INDICATE MILLIMETRES  
DECIMALIZED NUMBERS INDICATE METRES

**APCGM**  
Certificate of Authorization  
GENIVAR Consultants  
No. 4318 Expiry: April 30, 2009

- NOTES:**
1. ALL GATE VALVES ARE COUNTER-CLOCKWISE TO OPEN WITH A BLACK OPERATING NUT.
  2. WATERMAIN TO BE INSTALLED BY TRENCHLESS METHODS.
  3. BACKFILL IS CLASS 5 WITHIN BOULEVARD AND CLASS 3 WHEN WITHIN PAVEMENT/SIDEWALK OR WHEN WITHIN 1.0m OF PAVEMENT OR SIDEWALK.
  4. WATER SERVICES ARE 19mm UNLESS OTHERWISE NOTED.
  5. MINIMUM COVER TO TOP OF WATERMAIN SHALL BE 2.4m.
  6. LOCATION OF ALL SERVICES TO BE CONFIRMED IN FIELD.
  7. EXPOSE EXISTING WATERMAIN TO CONFIRM DEPTH PRIOR TO CONSTRUCTION.
  8. ALL LEAD SERVICES TO BE RENEWED TO PROPERTY LINE.
  9. SERVICES TO BE RENEWED SHALL BE REPLACED FROM WATERMAIN TO PROPERTY LINE. ALL OTHERS TO BE RECONNECTED.

EXISTING		LEGEND - PLAN		PROPOSED		EXISTING		LEGEND - PROFILE		PROPOSED	
	WATERMAIN		HYDRANT		VALVE		REDUCER		150mm W.M.		WATERMAIN
	LAND DRAINAGE SEWER		TRAFFIC SIGNAL		GAS		300mm L.D.S.		LAND DRAINAGE SEWER		VALVE
	WASTE WATER SEWER		HYDRO		M.T.S.		250mm W.W.S.		WASTE WATER SEWER		JUNCTIONS
	MANHOLE		SURVEY BAR		C.B. STOP		300mm L.D.S.		CULVERT		CULVERT
	CATCH BASIN		C.B. LEAD		TREE		250mm W.W.S.				
	CURB INLET		LAMP STANDARD								
	TEE										
	BEND										
	ANODE										

LOCATION APPROVED

SUPV. U/G STRUCTURES DATE  
COMMITTEE

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. 11-002 231.784					
1	BID OPPORTUNITY 478-2008	JUNE 08	DJ		
NO.	REVISIONS	DATE	BY		

**GENIVAR**

200 TACHE AVENUE WINNIPEG, MANITOBA R2H 1A7  
PH: (204) 233-2113 FAX: (204) 233-2080

DESIGNED BY DJ	CHECKED BY SM
DRAWN BY DJ	APPROVED BY IMcK
HOR. SCALE: 1:250	RELEASED FOR CONSTRUCTION: K. ZUREK
VERT. SCALE: 1:50	ORIGINALLY SIGNED BY P.ENG.
DATE: JUNE 08	DATE: JUNE 24 2008

ENGINEER

PROVINCE OF MANITOBA REGISTERED PROFESSIONAL ENGINEER

I. G. McKINNON

CONSULTANT DRAWING NO. 069-023-15

THE CITY OF WINNIPEG  
WATER AND WASTE DEPARTMENT

2008 CAPITAL WORKS  
NEW WATERMAIN  
HAM STREET  
GRASSIE BOULEVARD TO  
JACQUES AVENUE