

**SITE ACCESS PLAN**

SCALE: 1:2500

**ABBREVIATIONS**

WWS	WASTE WATER SEWER
CS	COMBINED SEWER
LDS	LAND DRAINAGE SEWER
R	PROPERTY LINE
CL	CENTER LINE
G.I.S.	GEOGRAPHIC INFORMATION SYSTEM
B.M.	BENCH MARK
TH	TEST HOLE
ELEV	ELEVATION
INV	INVERT
MIN	MINIMUM
MAX	MAXIMUM
SL	STREET LIGHTING
TS	TRAFFIC SIGNALS
ABAND	ABANDONED
BLDG	BUILDING
HSE	HOUSE
CRN	CORNER
OPP	OPPOSITE
C/S OR S/C	CURB STOP
MTS	MANITOBA TELEPHONE SYSTEM
R.O.W.	RIGHT-OF-WAY
WM	WATERMAIN
CULV	CULVERT
MH	MANHOLE
CB	CATCH BASIN
CI	CURB INLET
VERT.	VERTICAL
HORZ.	HORIZONTAL
I.B.	IRON BAR
FIBRE	FIBRE OPTIC
TYP	TYPICAL
X-ING	CROSSING
HYD	HYDRANT
EXIST	EXISTING
N	NORTH
E	EAST
S	SOUTH
W	WEST
W/	WITH
C/W	CONSTRUCTED WITH
CONC	CONCRETE
AC	ASBESTOS CEMENT
VC OR CLAY	VITRIFIED CLAY
CI	CAST IRON
DI	DUCTILE IRON
PVC	POLYVINYL CHLORIDE
HDPE	HIGH DENSITY POLYETHYLENE
PCCP	PRESTRESSED CONCRETE CYLINDER PIPE

**LEGEND**

DESCRIPTION	PLAN VIEW	
	EXISTING	PROPOSED
WATER PIPE		
FIRE HYDRANT		
VALVE		
CURB STOP		
REDUCER		
COUPLING OR SLUDDER		
CROSS		
BEND - 11.25°, 22.5°, 45°, 90°		
TEE		
VERTICAL BEND		
ANODE		
REPAIR MARKER		
PLUG		
SEWER PIPE		
MANHOLE		
CATCH BASIN		
CURB INLET		
JUNCTION		
Ø DITCH		
CULVERT		
SURVEY BAR		
SURVEY MONUMENT		
TREE - DECIDUOUS		
TREE - CONIFEROUS		
HYDRO		
HYDRO POLE		
LAMP STANDARD		
HYDRO POLE W/STREET LIGHTING		
POLE		
GUY ANCHOR		
M.T.S. POLE		
PEDESTAL OR BOX		
CABINET		
M.T.S., SHAW, OR VIDEON		
TRAFFIC SIGNALS		
TRAFFIC LIGHT STANDARD		
GAS		
STEAM		
FIBRE OPTIC		
FENCE		
EDGE OF PAVEMENT OR GUTTER		
EDGE UNPAVED OR GRAVEL ROAD		
PROJECTED R		
LOT LINE		
SIDEWALK - PATHWAY		
EASEMENT		
EDGE OF BUILDING		
MAILBOX		
PARKING METER		
TEST HOLE		
TREE LINE OR BUSH		

**CONSTRUCTION NOTES**

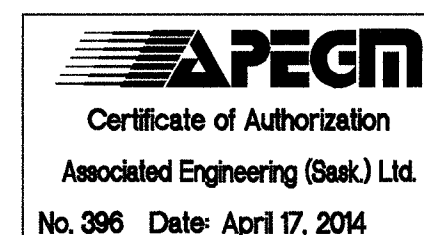
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING SURFACE AND UNDERGROUND STRUCTURES THAT MAY AFFECT THE WORK AND MAY BE DAMAGED DURING CONSTRUCTION.
2. ALL EXISTING SURFACE AND UNDERGROUND STRUCTURES MAY NOT BE SHOWN ON THE DRAWINGS.
3. EXISTING UTILITY LOCATIONS ARE APPROXIMATE ONLY. THE CONTRACTOR IS RESPONSIBLE TO LOCATE AND CONFIRM THE ELEVATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
4. INSTALLATION METHOD IS INDICATED ON THE DRAWINGS.
5. TRENCHES AND EXCAVATIONS WITHIN 1 METER OF A PAVED AREA INCLUDING SIDEWALKS SHALL BE CLASS 3 BACKFILL.
6. MINIMUM COVER TO TOP OF WATERMAIN SHALL BE 2.8 M, OR AS INDICATED ON THE DRAWINGS - WHICH EVER PROVIDES GREATER DEPTH OF COVER.
7. CONTRACTOR TO MAINTAIN AND REPAIR ACCESS TRAIL THROUGHOUT CONSTRUCTION AND RESTORE TRAIL AND ACCESS TO PRE-CONSTRUCTION CONDITIONS AT COMPLETION OF THE PROJECT.
8. CONTRACTOR TO PROTECT CULVERTS CROSSING ACCESS TRAIL AND ENSURE EXISTING DRAINAGE IS MAINTAINED AT ALL TIMES. DAMAGED OR BLOCKED CULVERTS SHALL BE REPAIRED IMMEDIATELY ON DISCOVERY.
9. CONTRACTOR TO PROVIDE TRAFFIC CONTROL AS REQUIRED WHEN ENTERING OR LEAVING CONSTRUCTION SITE TO AND FROM CHIEF PEGUIS TRAIL THROUGH ACCESS GATE.
10. CONTRACTOR TO MAINTAIN ACCESS FOR RESIDENTS ON SCOTIA STREET VIA JOHN BLACK AVENUE AT ALL TIMES DURING CONSTRUCTION.
11. NOTIFY ALL AFFECTED RESIDENTS AND BUSINESSES 24 HOURS IN ADVANCE OF ANY WATER SHUTDOWNS OR DISRUPTION OF SERVICE.
12. WEST ISOLATION VALVE ON THE WEST SIDE OF MAIN STREET AND JOHN BLACK AVENUE INTERSECTION.
13. EAST ISOLATION VALVE ON THE SOUTH WEST CORNER OF CHIEF PEGUIS TRAIL AND ANDERSON HIGHWAY.

**HATCH PATTERNS**

EXISTING	PROPOSED	DESCRIPTION
		EARTH OR GROUND ABOVE PIPE
		SAND OR OTHER FINE MATERIAL
		CONCRETE
		WASHED STONE OR GRANULAR MATERIAL
		INTERLOCKING STONE
		METAL
		GRAVEL OR STONE

**PROFILE**

DESCRIPTION	EXISTING	PROPOSED
WATER PIPE		
HYDRANT TOP		
VALVE		
TEE OR CROSS		
COUPLING OR BEND		
REDUCER		
END OF PIPE		
SEWER PIPE		
UNPAVED GROUND SURFACE		
PAVED GROUND SURFACE - Ø PIPE		
GUTTER (NORTH AND WEST)		
GUTTER (SOUTH AND EAST)		
Ø DITCH (NORTH AND WEST)		
Ø DITCH (SOUTH AND EAST)		
STRUCTURE		
MANHOLE OR CATCH BASIN		



**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 21072 FOR DETAILS

**LOCATION APPROVED**  
UNDERGROUND STRUCTURES  
SUPP. 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.	
CONSTRUCTION COMPLETION DATE: YYYY MM DD	
NO.	ISSUED FOR TENDER
REVISIONS	DATE
BY	DATE

**Associated Engineering**

DESIGNED BY: CL CHECKED BY: JL  
DRAWN BY: MT APPROVED BY: JL  
SCALE: HORIZONTAL AS SHOWN VERTICAL AS SHOWN  
RELEASED FOR CONSTRUCTION  
DATE: 2014 04 17 DATE: \_\_\_\_\_

ENGINEER'S SEAL  
PROVINCE OF MANITOBA  
J.S. LUEKE  
Member  
36827  
REGISTERED PROFESSIONAL ENGINEER  
CONSULTANT DRAWING NUMBER  
20134376

**THE CITY OF WINNIPEG**  
Winnipeg  
WATER AND WASTE DEPARTMENT  
ENGINEERING DIVISION  
NORTH KILDONAN FEEDERMAIN REPLACEMENT  
LEGEND AND SITE ACCESS  
SHEET 1 OF 8  
CITY DRAWING NUMBER  
D-13507