

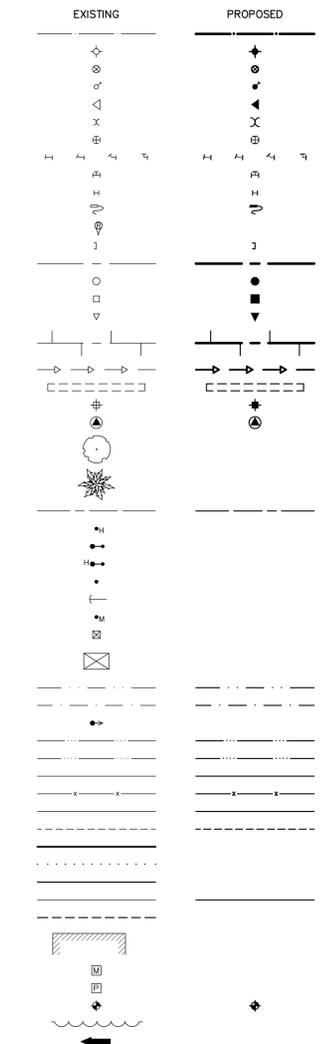
ABBREVIATIONS

WWS	WASTE WATER SEWER
CS	COMBINED SEWER
LDS	LAND DRAINAGE SEWER
ℓ	PROPERTY LINE
℄	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

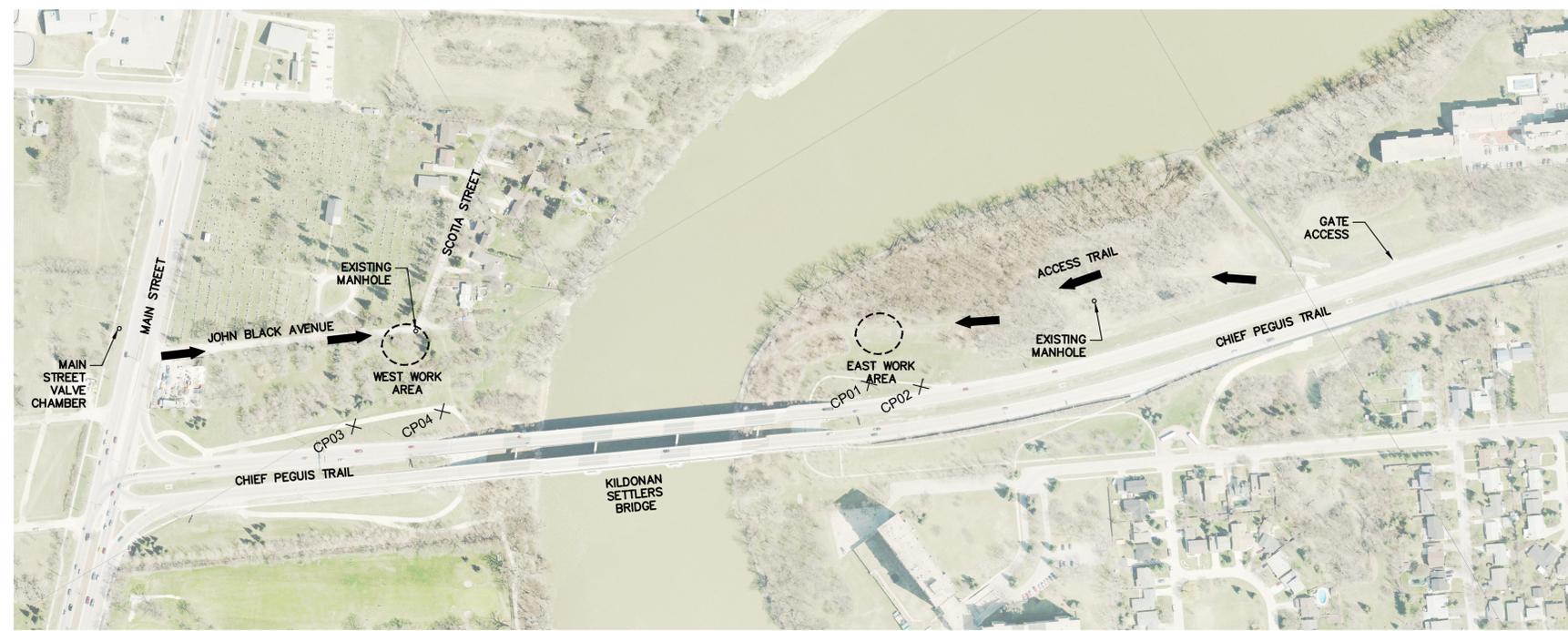
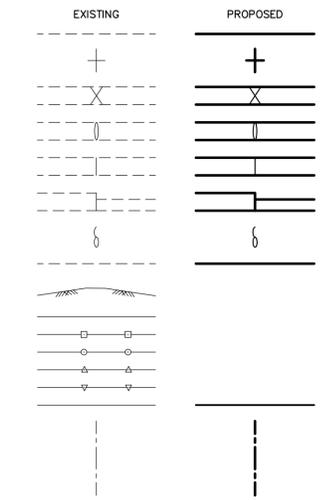
LEGEND

DESCRIPTION	EXISTING	PROPOSED
WATER PIPE	—	—
FIRE HYDRANT	⊕	⊕
VALVE	⊗	⊗
CURB STOP	⊙	⊙
REDUCER	◁	▷
COUPLING OR SLIDDER	X	X
CROSS	⊕	⊕
BEND - 11.25', 22.5', 45', 90'	⋈	⋈
TEE	⋈	⋈
VERTICAL BEND	⋈	⋈
ANODE	⊕	⊕
REPAIR MARKER	⊕	⊕
PLUG	⊕	⊕
SEWER PIPE	—	—
MANHOLE	⊙	⊙
CATCH BASIN	⊙	⊙
CURB INLET	∇	∇
JUNCTION	⋈	⋈
℄ 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 ℄	—	—
LOT LINE	—	—
SIDEWALK - PATHWAY	—	—
EASEMENT	—	—
EDGE OF BUILDING	—	—
MAILBOX	⊕	⊕
PARKING METER	⊕	⊕
TEST HOLE	⊕	⊕
TREE LINE OR BUSH	—	—
SITE ACCESS	—	—

PLAN VIEW



PROFILE



SITE ACCESS PLAN

SCALE: 1:2500

CONSTRUCTION NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING EXISTING SURFACE AND UNDERGROUND STRUCTURES THAT ARE WITHIN THE LIMITS OF THE WORK. ANY DAMAGE TO EXISTING STRUCTURES SHALL BE REPAIRED BY THE CONTRACTOR AT THEIR EXPENSE.
- ALL EXISTING SURFACE AND UNDERGROUND STRUCTURES MAY NOT BE SHOWN ON THE DRAWINGS.
- EXISTING UTILITY LOCATIONS ARE APPROXIMATE ONLY. THE CONTRACTOR IS RESPONSIBLE TO LOCATE AND CONFIRM THE ELEVATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
- TRENCHES AND EXCAVATIONS WITHIN 1.0 m OF A PAVED AREA INCLUDING SIDEWALKS SHALL BE CLASS 2 BACKFILL.
- MINIMUM COVER TO TOP OF WATERMAIN SHALL BE 2.8 m, OR AS INDICATED ON THE DRAWINGS - WHICH EVER PROVIDES GREATER DEPTH OF COVER.
- CONTRACTOR TO MAINTAIN AND REPAIR ACCESS TRAIL THROUGHOUT CONSTRUCTION AND RESTORE TRAIL AND ACCESS TO PRE-CONSTRUCTION CONDITIONS AT COMPLETION OF THE PROJECT.
- 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.
- CONTRACTOR TO PROVIDE TRAFFIC CONTROL AS REQUIRED WHEN ENTERING OR LEAVING CONSTRUCTION SITE TO AND FROM CHIEF PEGUIS TRAIL THROUGH ACCESS GATE.
- CONTRACTOR TO MAINTAIN ACCESS FOR RESIDENTS ON SCOTIA STREET VIA JOHN BLACK AVENUE AT ALL TIMES DURING CONSTRUCTION.
- NOTIFY ALL AFFECTED RESIDENTS AND BUSINESSES 24 HOURS IN ADVANCE OF ANY WATER SHUTDOWNS OR DISRUPTION OF SERVICE.
- WEST ISOLATION VALVE IS LOCATED ON THE WEST SIDE OF THE MAIN STREET AND JOHN BLACK AVENUE INTERSECTION. EAST ISOLATION VALVE IS LOCATED ON THE SOUTH WEST CORNER OF CHIEF PEGUIS TRAIL AND HENDERSON HIGHWAY. CONTRACTOR TO COORDINATE WITH OWNER FOR THE OPERATION OF ALL CITY-OWNED VALVES.
- SURVEY CONTROL POINTS CP01-CP04 HAVE BEEN PLACED FOR CONTRACTOR USE. CONTRACTOR TO INDEPENDENTLY VERIFY THE ACCURACY OF ALL POINTS PRIOR TO USE.

12.1. CP01:	NORTHING=5534817.998	EASTING=636670.827	ELEV=232.38
12.2. CP02:	NORTHING=5534795.111	EASTING=636704.159	ELEV=233.63
12.3. CP03:	NORTHING=5534992.418	EASTING=636308.258	ELEV=231.33
12.4. CP04:	NORTHING=5534967.636	EASTING=636373.574	ELEV=231.12

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

<p>WARNING</p> <p>IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:</p> <p>1) NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.</p> <p>2) TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.</p> <p>SEE PROVINCIAL REGULATION 210/72 FOR DETAILS</p>	<p>LOCATION APPROVED UNDERGROUND STRUCTURES</p> <p>SUPV. U/G STRUCTURES COMMITTEE DATE</p> <p>NOTE:</p> <p>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.</p>	<p>B.M. ELEV.</p> <p>CONSTRUCTION COMPLETION DATE: YYYY MM DD</p> <table border="1"> <tr><td>NO.</td><td>REVISIONS</td><td>DATE</td><td>BY</td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table>	NO.	REVISIONS	DATE	BY					<p>Associated Engineering</p> <p>DESIGNED BY CL CHECKED BY JL</p> <p>DRAWN BY DP APPROVED BY JL</p> <p>SCALE: HORIZONTAL AS SHOWN VERTICAL AS SHOWN</p> <p>DATE 2016 01 11</p>	<p>ENGINEER'S SEAL</p> <p>PROVINCE OF MANITOBA REGISTERED PROFESSIONAL ENGINEER</p> <p>J.S. LUEKE Member 36827</p> <p>20134376</p>	<p>THE CITY OF WINNIPEG</p> <p>WATER AND WASTE DEPARTMENT ENGINEERING DIVISION</p> <p>NORTH KILDONAN FEEDERMAIN VALVE CHAMBERS AND CONNECTIONS</p> <p>LEGEND AND SITE ACCESS PLAN</p> <p>SHEET 1 OF 9</p> <p>CITY DRAWING NUMBER D-14033</p>
NO.	REVISIONS	DATE	BY										

