

33-10-4E
MURDOCK ROAD
34-10-4E

- GENERAL NOTES:**
1. BASE LINE IS CENTERLINE OF RIGHT OF WAY.
 2. EXPOSE ALL COMMUNICATION AND POWER DUCTS/LINES BY HYDROVAC EXCAVATION.
 3. INSTALL ALL PIPING UTILIZING TRENCHLESS INSTALLATION METHODS UNLESS OTHERWISE APPROVED OR DIRECTED BY THE CONTRACT ADMINISTRATOR.

BENCHMARK NOTES:

DRAWING COORDINATES ARE UTM NAD83 - SCALE FACTOR 0.99983

B.M. No.	NORTHING	EASTING	ELEVATION
PILE 136	5523873.734	647764.406	236.242
PILE 133	5523256.606	647782.387	236.056

NOTE:

A. 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.



150 mm W.M.	WATERMAIN	150 mm W.M.	HYDRO	HYDRO	150 mm W.M.	WATERMAIN	150 mm W.M.	HYDRO	HYDRO	150 mm W.M.	WATERMAIN	150 mm W.M.	HYDRO	HYDRO	150 mm W.M.	WATERMAIN	150 mm W.M.	HYDRO	HYDRO
◇	HYDRANT	+	M.T.S.	M.T.S.	◇	HYDRANT	+	M.T.S.	M.T.S.	◇	HYDRANT	+	M.T.S.	M.T.S.	◇	HYDRANT	+	M.T.S.	M.T.S.
⊙	VALVE	○	CONCRETE	CONCRETE	⊙	VALVE	○	CONCRETE	CONCRETE	⊙	VALVE	○	CONCRETE	CONCRETE	⊙	VALVE	○	CONCRETE	CONCRETE
⊖	LAND DRAINAGE SEWER	⊖	ASPHALT	ASPHALT	⊖	LAND DRAINAGE SEWER	⊖	ASPHALT	ASPHALT	⊖	LAND DRAINAGE SEWER	⊖	ASPHALT	ASPHALT	⊖	LAND DRAINAGE SEWER	⊖	ASPHALT	ASPHALT
⊖	WASTEWATER SEWER	⊖	PROPERTY LINE	PROPERTY LINE	⊖	WASTEWATER SEWER	⊖	PROPERTY LINE	PROPERTY LINE	⊖	WASTEWATER SEWER	⊖	PROPERTY LINE	PROPERTY LINE	⊖	WASTEWATER SEWER	⊖	PROPERTY LINE	PROPERTY LINE
○	MANHOLE	●	SURVEY BAR	SURVEY BAR	○	MANHOLE	●	SURVEY BAR	SURVEY BAR	○	MANHOLE	●	SURVEY BAR	SURVEY BAR	○	MANHOLE	●	SURVEY BAR	SURVEY BAR
□	CATCH BASIN	■	ELEVATION	ELEVATION	□	CATCH BASIN	■	ELEVATION	ELEVATION	□	CATCH BASIN	■	ELEVATION	ELEVATION	□	CATCH BASIN	■	ELEVATION	ELEVATION
▽	CURB INLET	▽	TREE	TREE	▽	CURB INLET	▽	TREE	TREE	▽	CURB INLET	▽	TREE	TREE	▽	CURB INLET	▽	TREE	TREE
+	JUNCTIONS	+	ANODE	ANODE	+	JUNCTIONS	+	ANODE	ANODE	+	JUNCTIONS	+	ANODE	ANODE	+	JUNCTIONS	+	ANODE	ANODE
—	CULVERT	—	CONCRETE SIDEWALK	CONCRETE SIDEWALK	—	CULVERT	—	CONCRETE SIDEWALK	CONCRETE SIDEWALK	—	CULVERT	—	CONCRETE SIDEWALK	CONCRETE SIDEWALK	—	CULVERT	—	CONCRETE SIDEWALK	CONCRETE SIDEWALK
—	GAS	—	FENCE	FENCE	—	GAS	—	FENCE	FENCE	—	GAS	—	FENCE	FENCE	—	GAS	—	FENCE	FENCE
—	EXISTING	—	LEGEND	LEGEND	—	EXISTING	—	LEGEND	LEGEND	—	EXISTING	—	LEGEND	LEGEND	—	EXISTING	—	LEGEND	LEGEND
—	LEGEND	—	PLAN	PLAN	—	LEGEND	—	PLAN	PLAN	—	LEGEND	—	PLAN	PLAN	—	LEGEND	—	PLAN	PLAN
—	PROPOSED	—	EXISTING	EXISTING	—	PROPOSED	—	EXISTING	EXISTING	—	PROPOSED	—	EXISTING	EXISTING	—	PROPOSED	—	EXISTING	EXISTING
—	LEGEND	—	PLAN	PLAN	—	LEGEND	—	PLAN	PLAN	—	LEGEND	—	PLAN	PLAN	—	LEGEND	—	PLAN	PLAN
—	PROPOSED	—	EXISTING	EXISTING	—	PROPOSED	—	EXISTING	EXISTING	—	PROPOSED	—	EXISTING	EXISTING	—	PROPOSED	—	EXISTING	EXISTING

LOCATION APPROVED UNDERGROUND STRUCTURES

SUPV. U/G STRUCTURES COMMITTEE DATE

NOTE:

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B.M. ELEV.

NO.	REVISIONS	DATE	BY
00	ISSUED FOR TENDER	07/07/30	DA

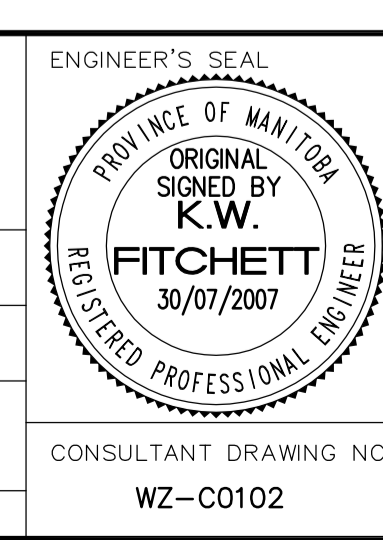
CH2MHILL
Frederickson Cooper ARCHITECTS

EarthTech
A Tyco International Ltd. Company

DESIGNED BY: KWF
DRAWN BY: MAF
SCALE: HORZ. 1:500
VERT. 1:50

CHECKED BY: GK
APPROVED BY: AHL
RELEASED FOR CONSTRUCTION BY: R. SOROKOWSKI

DATE: 2005/12/09
DATE: 2007/7/30



THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

WATER TREATMENT PLANT SUPPLY AND INSTALLATION OF FORCEMAIN

CIVIL
MURDOCK ROAD
STA. 3+20 TO STA. 6+70

CITY FILE NUMBER
SHEET 3 OF 23
CITY DRAWING NUMBER
I-0601Z-C-C0102-001-00D