



- GENERAL NOTES:**
1. BASE LINE IS SOUTH LIMIT OF RIGHT OF WAY.
 2. EXPOSE ALL COMMUNICATION AND POWER DUCTS/LINES BY HYDROVAC EXCAVATION.
 3. VERIFY EXISTING PIPE INVERTS AND LOCATION PRIOR TO COMMENCEMENT OF WORKS.
 4. EXPOSE AQUEDUCT AND CONFIRM ELEVATION BY VACUUM EXCAVATION PRIOR TO FORCEMAIN CONSTRUCTION. EXCAVATION SHALL BE MIN. 5m FROM EITHER SIDE OF AQUEDUCT AND SHORED TO PREVENT MOVEMENT OF GROUND UNDER AND AROUND AQUEDUCT.
 5. SEE DRAWING WZ-C0120 FOR CROSSING DETAILS.
 6. BACKFILL IN OPEN CUT TRENCHES SHALL BE CLASS 4 BACKFILL WITH CLASS B BEDDING. BACKFILL UNDER OR WITHIN 1.0m OF ROADWAY SHALL BE CLASS 2 BACKFILL WITH CLASS B BEDDING EXCEPT AS NOTED.

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.



EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PLAN	PROPOSED
150 mm W.M.	WATERMAIN	150 mm W.M.	HYDRO	M.T.S.	---	---	LIGHT STANDARD	M.T.S.
300mm L.D.S.	LAND DRAINAGE SEWER	300mm L.D.S.	CONCRETE	CONCRETE	---	---	ANCHOR	---
250mm W.W.S.	WASTEWATER SEWER	250mm W.W.S.	ASPHALT	PROPERTY LINE	---	---	POLE	---
---	MANHOLE	---	SURVEY BAR	ELEVATION	32.750	---	CONTOURS	---
---	CATCH BASIN	---	TREE	ANODE	---	---	RAIL X-ING SIGNAL	---
---	CURB INLET	---	CONCRETE SIDEWALK	FENCE	---	---	RAILWAY TRACK	---
---	JUNCTIONS	---	---	---	---	---	DITCH	---
---	CULVERT	---	---	---	---	---	---	---
---	GAS	---	---	---	---	---	---	---

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.

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

UMA AECOM

Frederickson Cooper ARCHITECTS

DESIGNED BY: KWF
CHECKED BY: GK

DRAWN BY: MAF
APPROVED BY: AHL

SCALE: HORZ. 1:500
VERT. 1:50

RELEASED FOR CONSTRUCTION BY: R. SOROKOWSKI

DATE: 2005/12/09

EarthTech
A Tyco International Ltd. Company

CH2MHILL

ENGINEER'S SEAL

PROVINCE OF MANITOBA ORIGINAL SIGNED BY K.W. FITCHETT 30/07/2007 REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NO. WZ-C0115

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

Winnipeg

WATER TREATMENT PLANT SUPPLY AND INSTALLATION OF FORCEMAIN

CITY FILE NUMBER

SHEET 16 OF 22

CITY DRAWING NUMBER

1-0601Z-C-C0115-001-00D

CIVIL
GWW AQUEDUCT R.O.W.
STA. 16+90 TO STA. 20+40