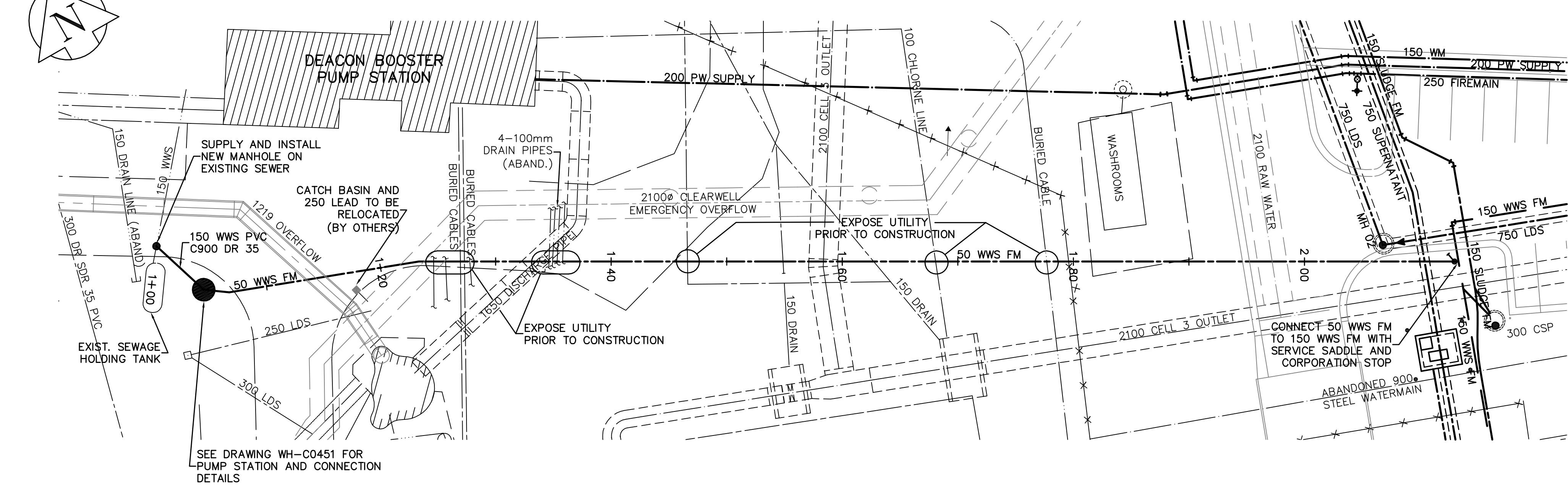


1 TRACER WIRE DETAIL
SCALE NTS

- 1+00.65 CONNECT TO EXIST. 150 WWS
- 1+04.519 PUMP STATION
- 1+06.733 ALIGN. CHANGE
- 1+14.347 1219 OVERFLOW
- 1+22.244 GRADE BREAK
- 1+23.368 ALIGN. CHANGE
- 1+24.297 2100 LDS
- 1+30.0 GRADE BREAK
- 1+33.449 1650 DISCHARGE
- 1+50
- 1+58.367 2100 TW
- 1+68.092 100 CHLORINE LINE
- 1+77.705 COMM. CABLE
- 1+97.210 CELL 3 RW
- 2+00
- 2+10.408 750 SUPERNATANT
- 2+12.845 CURB STOP
- 2+13.345 CONNECTION TO 150 SAN FM



- CONSTRUCTION NOTES:**
- INSTALL 50 FORCEMAIN BY HORIZONTAL DIRECTIONAL DRILLING METHODS.
 - EXPOSE ALL UTILITY CROSSINGS PRIOR TO CONSTRUCTION AND MAINTAIN PITS DURING HORIZONTAL DIRECTIONAL DRILLING TO ALLOW FOR VERIFICATION OF ALIGNMENT AND ELEVATION.
 - SUBMIT PROFILE DETAILING PROPOSED RADII AT GRADE CHANGES FOR REVIEW PRIOR TO CONSTRUCTION.
 - MAINTAIN MINIMUM 300mm CLEAR BETWEEN ALL UTILITIES.
 - PIPE INSTALLED IN EXCAVATIONS SHALL BE BEDDED IN CLASS B SAND BEDDING.
 - COORDINATE WITH CITY AND ARRANGE FOR CHLORINE LINE TO BE TAKEN OUT OF SERVICE DURING CONSTRUCTION.

- GENERAL NOTES:**
- 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.

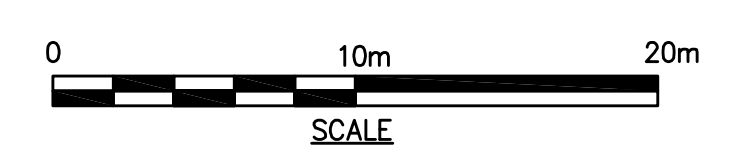
BENCHMARK NOTES:

DRAWING COORDINATES ARE UTM NAD83 - SCALE FACTOR 0.99983

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

50 WWS FORCEMAIN COORDINATE TABLE

DESCRIPTION	NORTHING	EASTING
MH CONNECTION TO 150 WWS	5524050.954	647721.127
BEND STA. 1+23.4	5524038.531	647740.195
CONNECTION TO 150 WWS FM	5523993.919	647818.333
PUMP STATION	5524045.648	647722.810



 Certificate of Authorization Earth Tech Canada Inc. No. 730 Expiry: April 30, 2007	B.M. ELEV. _____ _____ _____	 Frederickson Cooper ARCHITECTS	 A Tyco International Ltd. Company	ENGINEER'S SEAL ORIGINAL SIGNED BY K.W. FITCHETT 2007/02/20	 THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION WATER TREATMENT PLANT SITE UTILITIES CIVIL 50 WASTEWATER FORCEMAIN STA. 1+00 TO STA. 2+14 CITY FILE NUMBER SHEET OF CITY DRAWING NUMBER 1-06011-C-C0205-001-0D
	DESIGNED BY GSK CHECKED BY KF DRAWN BY JBC APPROVED BY AHL SCALE: 1:250 HOR 1:50 VER RELEASED FOR CONSTRUCTION BY: R. SOROKOWSKI DATE 2006/11/21 DATE 2007/02/20	CONSULTANT DRAWING NO. WH-C0205			