



200mm FORCEMAIN  
LIMITING CAPACITY:  
45 1/8 @ 50m MAX HEAD  
APPROX. 1700 POPULATION

250mm GRAVITY OUTFALL TO LAGOONS  
LIMITING CAPACITY:  
31 1/8 (MIN. GRADE)  
APPROX. 1200 POPULATION

ANEROID LAGOONS  
LIMITING CAPACITY:  
1100m<sup>3</sup>/DAY APPROX. 1500 POPULATION

STORAGE TANK  
LIMITING CAPACITY:  
(DESIGN) 1400m<sup>3</sup>/DAY APPROX. 1900 POPULATION

GRAVITY SEWER MAINS  
LIMITING CAPACITIES:  
250mm - 34 1/8 @ 0.30% MIN. GRADE (2175 POPULATION)  
200mm - 34 1/8 @ 0.30% MIN. GRADE (1340 POPULATION)

EXISTING OLD LIFT STATION  
SEWER LIFT STATION  
EMERGENCY STANDBY  
LIMITING CAPACITY:  
13 1/8 @ 30m

EXISTING SEWER LIFT STATION  
LIMITING CAPACITY:  
12 1/8 @ 25m  
CL. 2175 POPULATION  
MAY REQUIRE IMMEDIATE UPGRADE

XREFS

**LEGEND**

● EXISTING M.H.  
& SAN. MAIN LOCATIONS

**NOTE:**  
WATER SYSTEM VALVES IDENTIFIED AS N.C.  
(NORMALLY CLOSED) ARE CLOSED FOR  
WINTER SEASON RECIRCULATION  
REQUIREMENTS

**REVISIONS :**

NO.	DATE/ENG.	DESCRIPTION
01	2006 RMS	ISSUED FOR CLIENT REVIEW
02	2006 RMS	ISSUED FOR FINAL REPORT

**Quest Engineering Group**

810 Bay 1454, Watson Lake, Yukon Y1A 6B8  
Tel: (867) 633-8600 Fax: (867) 633-8633 Email: [central@questengrpg.ca](mailto:central@questengrpg.ca)

**WATSON LAKE  
INFRASTRUCTURE  
ASSESSMENT  
OVERALL LAYOUT  
SANITARY SERVICE  
SHEET 1 OF 1**

SCALE	1:8000 @ 11x17
DRAWN	S. DAVIDALE
DESIGNED	R. SAWAGE
DATE	NOV/20, 2006
PROJECT NO.	6047
SHEET	5 OF 9
WORK	LAYOUT
DWG. NO.	005