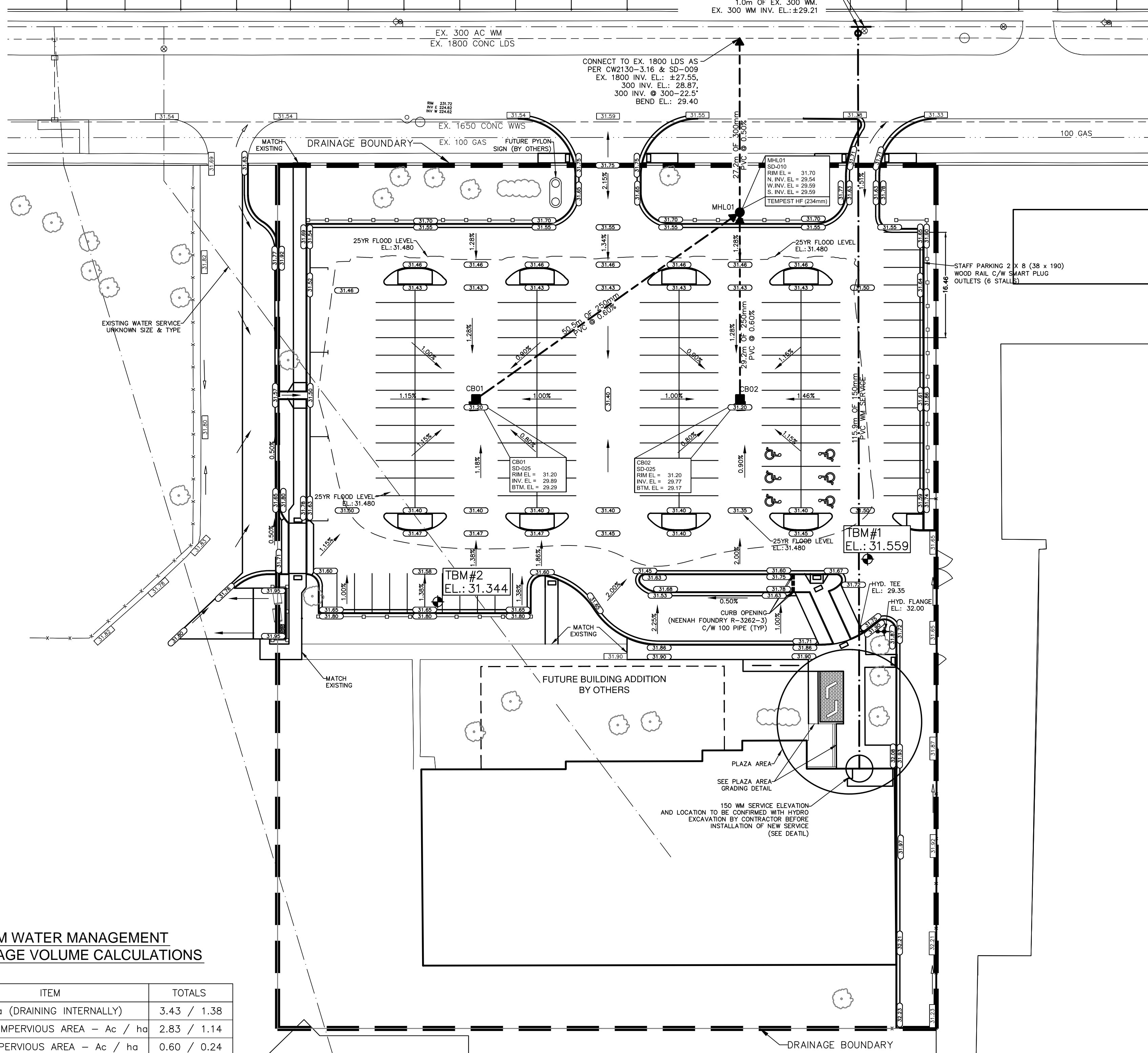
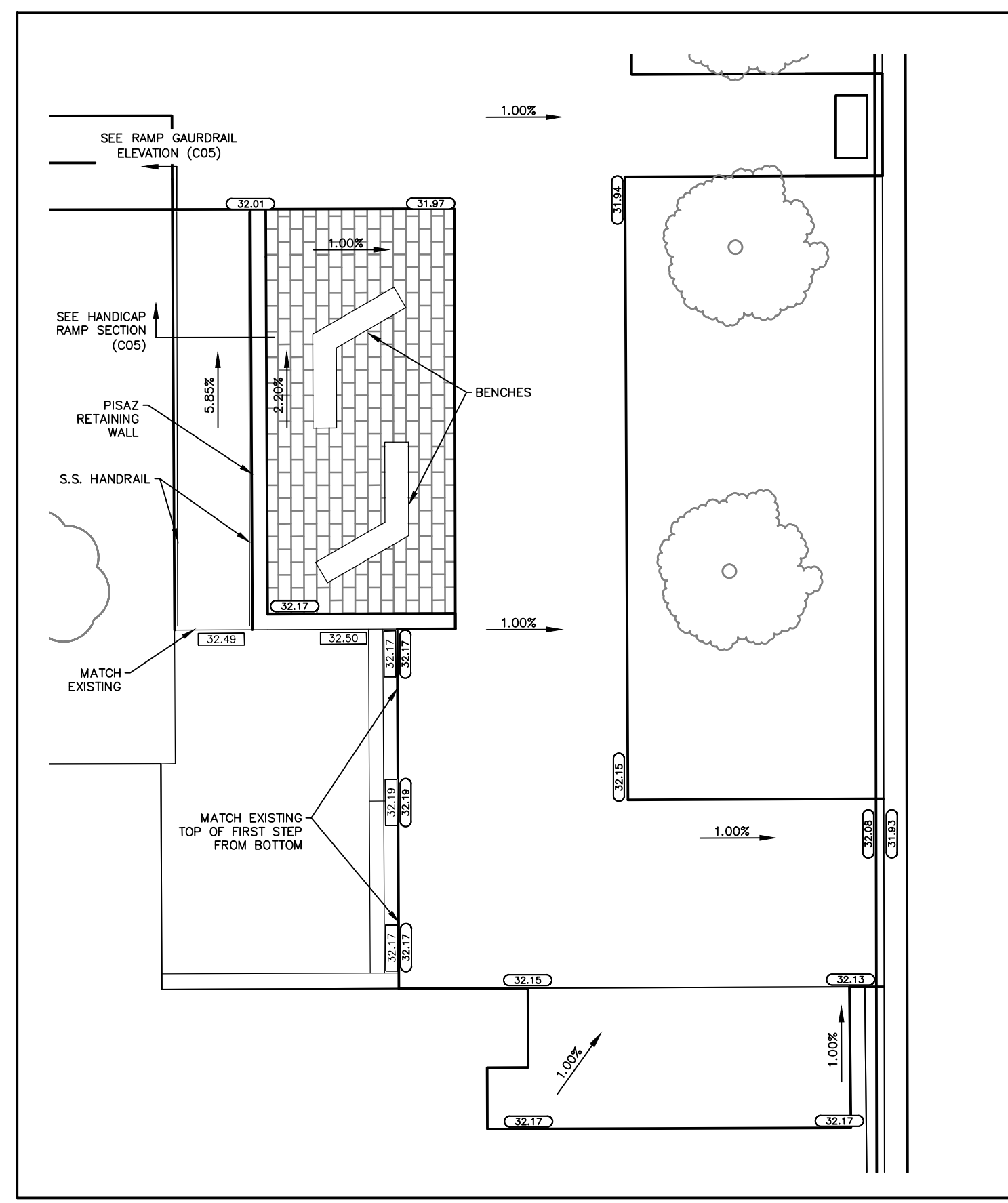


ADSUM AVE.

ABANDON EX. SERVICE AND VALVE AS PER CW2110-3.16. INSTALL 3.0m OF 300mm PVC COMPLETE WITH 300X300X150 TEE, G.V. AND IRON COUPLINGS. LOCATE G.V. WITHIN 1.0m OF EX. 300 WM EX. 300 WM INV. EL.: ±29.21

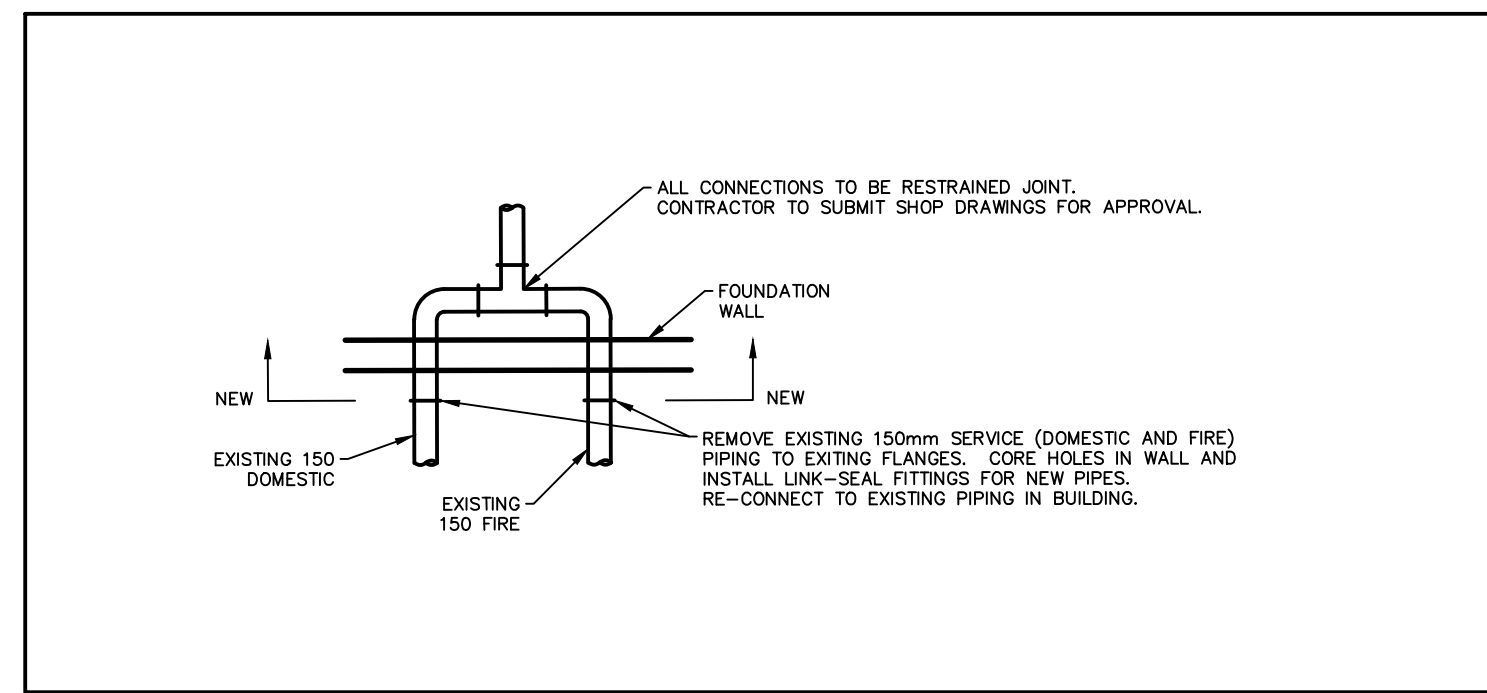


- CONSTRUCTION NOTES**
- EXISTING AND DESIGN ELEVATIONS BASED ON TBM#1 AND TBM#2 AS IDENTIFIED ON THIS DRAWING.
TBM#1 EL.: 231.559
TBM#2 EL.: 231.344
 - USE GRANULAR BACKFILL FOR ALL UNDERGROUND WORKS INSTALLED UNDER PROPOSED PAVEMENT.
 - MAINTAIN 3.00 OF COVER ON WATERMAIN
 - ALL WATER LINES TO BE PRESSURE TESTED AND CHLORINATED PRIOR TO TURN ON IN ACCORDANCE WITH CW 2125
 - PIPE INSTALLED UNDER EXISTING PAVEMENT TO BE INSTALLED BY TRENCHLESS METHODS.
 - ALL WORK TO CONFORM TO THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.
 - ADD 200.000 TO ALL ELEVATIONS.



PLAZA AREA GRADING DETAILS

1:100



WATER SERVICE CONNECTION DETAILS

1:100

STORM WATER MANAGEMENT STORAGE VOLUME CALCULATIONS

ITEM	TOTALS
A - ha (DRAINING INTERNALLY)	3.43 / 1.38
TOTAL IMPERVIOUS AREA - Ac / ha	2.83 / 1.14
TOTAL PERVIOUS AREA - Ac / ha	0.60 / 0.24
C - ALLOWABLE COEFF.	0.35
T _g FOR T _c = 10 min $\frac{in}{hr}$	4.31
Q _s - CFS / CMS	5.17 / 0.146
STORAGE REQUIRED - m ³	318
STORAGE AVAILABLE - m ³	318

150 mm WM	WATERMAIN	150 mm WM	GAS	CHAIN LINK FENCE
○	HYDRANT	●	HYDRO	—X—
⊗	VALVE	●	M.T.S.	—X—
---	LAND DRAINAGE SEWER	---	PEDESTAL	---
---	WASTE WATER SEWER	---	GROUND ELEVATION 230.00	---
○	MANHOLE	○	PAVEMENT ELEVATION (230.000)	---
□	CATCH BASIN	■	PROPERTY LINE	---
△	CURB INLET	▲	SURVEY BAR	---
▽	SIGN	◆	CURB STOP	---
○-○	LAMP STANDARD	◆	TESTHOLE	---
●	UTILITY POLE	◆		---
EXISTING	LEGEND - PLAN	PROPOSED	LEGEND - PLAN	PROPOSED
EXISTING	LEGEND - PROFILE	PROPOSED	LEGEND - PROFILE	PROPOSED

LOCATION APPROVED UNDERGROUND STRUCTURES

SUPV. U/G STRUCTURES COMMITTEE DATE

NOTE:
LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE AND GUARANTEES IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS IS CORRECT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES AND DEPT. OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

NO.	REVISIONS	DATE	BY
2	ISSUED FOR TENDER	14/06/20	BDE
1	ISSUED FOR CLIENT SIGN OFF	14/04/30	BDE
0	ISSUED FOR REVIEW	14/01/17	BDE

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DESIGNED BY: B.D.E.
CHECKED BY: B.J.
DRAWN BY: M.B.S./R.H.
APPROVED BY: B.J.

HOR. SCALE: 1:400 (A1)
VERT. SCALE:

DATE: FEBRUARY 2014

ENGINEER'S SEAL

PROVINCE OF MANITOBA
REGISTERED PROFESSIONAL ENGINEER
P. B. JONSON
14-06-14

CONSULTANT DRAWING NO.
131-20672-C03-RO

THE CITY OF WINNIPEG
PLANNING, PROPERTY & DEVELOPMENT

SEVEN OAKS POOL
PARKING LOT RECONSTRUCTION PROJECT
SITE GRADING AND
SERVICING PLAN

CITY DRAWING NO.
23-2014-C03
SHEET 3 OF 5
REV. 03

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

APEGM
Certificate of Authorization
WSP Canada Inc.
No. 5079 Date: April 30, 2014