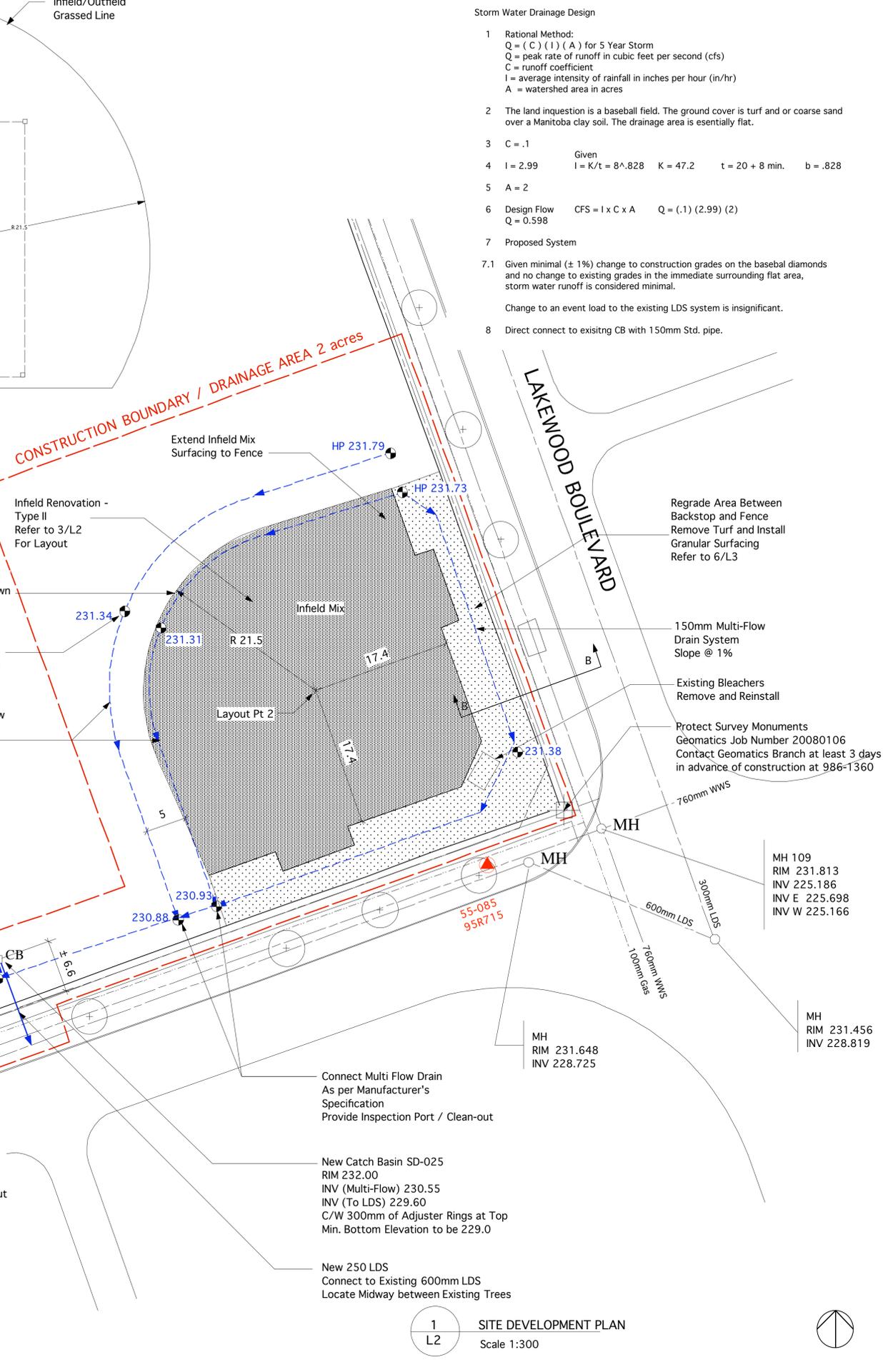


1 LAYOUT - SW DIAMOND FOR PEEWEE AND BANTAM
Scale 1:200

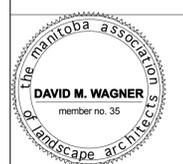
2 LAYOUT - SE DIAMOND FOR MOSQUITO AND PEEWEE
Scale 1:200



Storm Water Drainage Design

- Rational Method:
 $Q = (C) (I) (A)$ for 5 Year Storm
 Q = peak rate of runoff in cubic feet per second (cfs)
 C = runoff coefficient
 I = average intensity of rainfall in inches per hour (in/hr)
 A = watershed area in acres
- The land in question is a baseball field. The ground cover is turf and or coarse sand over a Manitoba clay soil. The drainage area is essentially flat.
- $C = .1$
- $I = 2.99$ Given $I = K/t = 8 \wedge .828$ $K = 47.2$ $t = 20 + 8 \text{ min.}$ $b = .828$
- $A = 2$
- Design Flow $CFS = I \times C \times A$ $Q = (.1) (2.99) (2)$
 $Q = 0.598$
- Proposed System
- Given minimal ($\pm 1\%$) change to construction grades on the baseball diamonds and no change to existing grades in the immediate surrounding flat area, storm water runoff is considered minimal.
 Change to an event load to the existing LDS system is insignificant.
- Direct connect to existing CB with 150mm Std. pipe.

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 LANDSCAPE ARCHITECTURE • URBAN DESIGN • GOLF COURSE ARCHITECTURE



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.

Note
 Information about manholes, sewers and catch basins are from City supplied Drawings G-4, G-4[1], 5W-1082, 5S-818, 5S-817, 5S-810, and 5P-2110. Watermains and hydro are across the street on Lakewood and Beaverhill.

Site Survey by
 SEG Genivar
 November 23, 2007

Manager Parks and Open Space Division
 Released For Construction Date

DO NOT SCALE DRAWINGS

5		
4		
3		
2		
1		
0	Released	4.24.2008
revisions	description	date

Southdale Community Centre
Field Renovations
 WINNIPEG, MANITOBA

approved by
 designed by DW scale 1:300
 drawn by LLW date 4.24.2008



SITE DEVELOPMENT PLAN

project no.	sheet	revision no.
0716	L2	0

1 L2 SITE DEVELOPMENT PLAN
 Scale 1:300

