## NOTES

1. Based on Shepherd & Stevens survey (March 6 / 07, File No. 07/130/343, Drawing: 07-130.DWG)
2. Elevations shown in metres. **Derived from City of Winnipeg Geodetic Bench Mark No. 64-003**
3. Spot elevations shown are ground surface unless noted otherwise.
4. Contractor to confirm locations of Surface and Underground Utilities prior to commencing Site Works and shall undertake actions necessary to avoid damage.
5. Meet existing grades at edges of sodded and seeded areas
6. Refer to SK 6.1 for detailed skatepark surface drainage and SK 7.1 for sub drainage detail.
7. First 900mm away from skatepark @ 2%, then grade to meet existing @ 4: 1 maximum.
8. Use "Atrium" grates in No-Mow areas. For all other installations use flush, "Round" grates.

## SITE STORMWATER CALCULATIONS:

**Fort Garry Community Centre**
**Skateboard Park**

Notes

Project No. 41842.101 — May 3, 2007

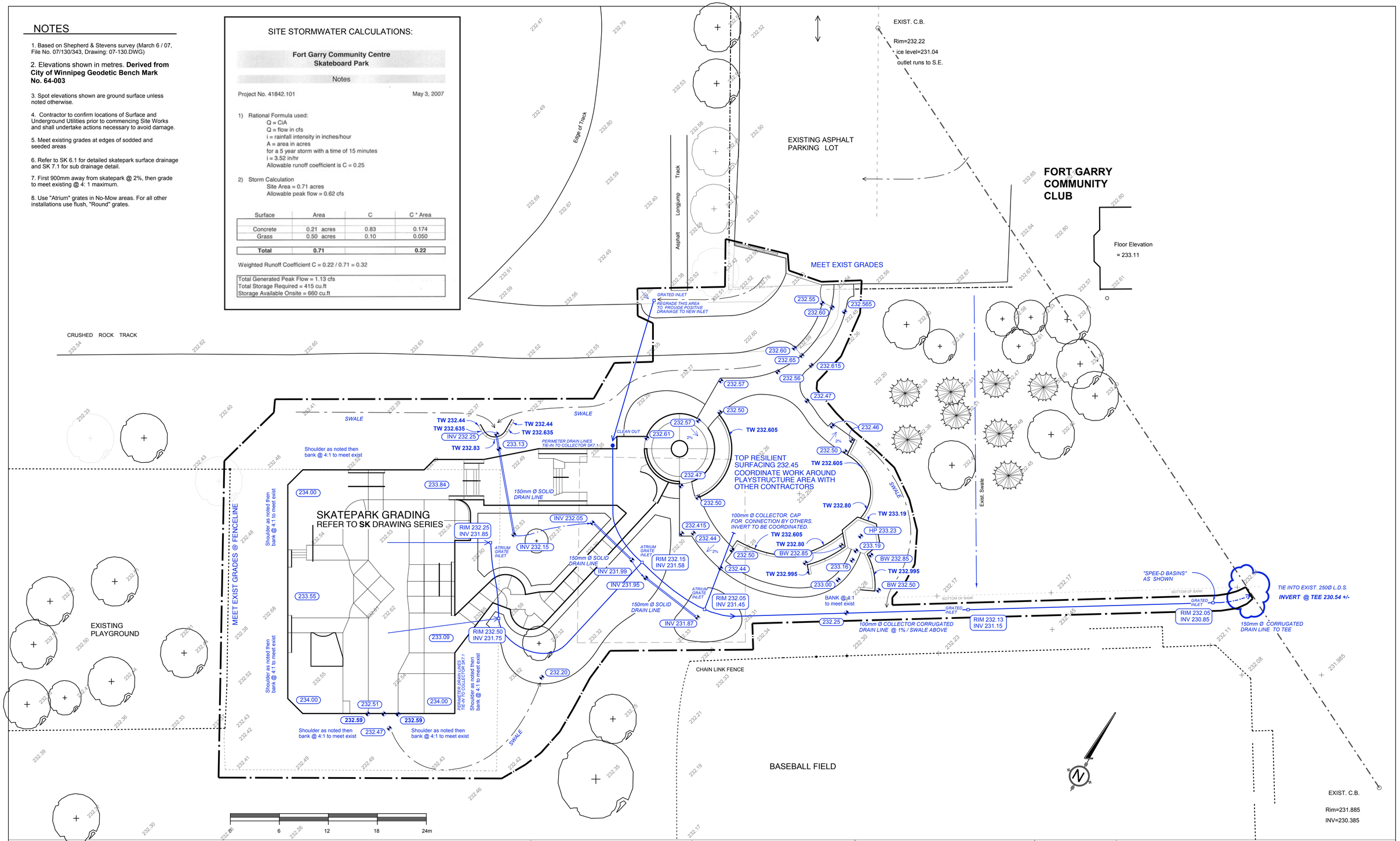
1) Rational Formula used:
   Q = CiA
   Q = flow in cfs
   i = rainfall intensity in inches/hour
   A = area in acres
   for a 5 year storm with a time of 15 minutes
   i = 3.52 in/hr
   Allowable runoff coefficient is C = 0.25

2) Storm Calculation
   Site Area = 0.71 acres
   Allowable peak flow = 0.62 cfs

| Surface | Area | C | C * Area |
|---|---|---|---|
| Concrete | 0.21 acres | 0.83 | 0.174 |
| Grass | 0.50 acres | 0.10 | 0.050 |
| **Total** | **0.71** | | **0.22** |

Weighted Runoff Coefficient C = 0.22 / 0.71 = 0.32

Total Generated Peak Flow = 1.13 cfs
Total Storage Required = 415 cu.ft
Storage Available Onsite = 660 cu.ft




## LEGEND

- APPROXIMATE LIMIT OF SITE DEVELOPMENT
- DRAINAGE SWALE / DITCH
- TW TOP OF WALL
- BW BOTTOM OF WALL
- TC TOP OF CURB
- BC BOTTOM OF CURB
- INV INVERT ELEVATION
- HP HIGH POINT
- 2% DOWNHILL SLOPE
- 325.20 PROPOSED FINISHED GRADE
- 232.52 EXISTING GRADE SPOT ELEVATION

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**SPECTRUM SKATEPARK CREATIONS LTD.**

| NO. | REVISIONS | DATE | BY |
|---|---|---|---|
| | | | |

B.M.
ELEV.
YY.MM.DD

DESIGNED: AB — DRAWN: AB
SCALE: 1:200 — APPROVED: GM
ACCEPTED BY:
DATE: MAY 30, 2007

the manitoba associates — Geoff Cummings — Licence No. 61

CONSULTANT PROJECT NO
07 014

Winnipeg

# THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

**FORT GARRY COMMUNITY CENTRE SKATEBOARD PARK**

CITY DRAWING NUMBER
SHEET 4 OF 5

**SITE GRADING PLAN**

**L-4**

DATE PLOTTED: 5/30/07

07-014 site plan rev'd