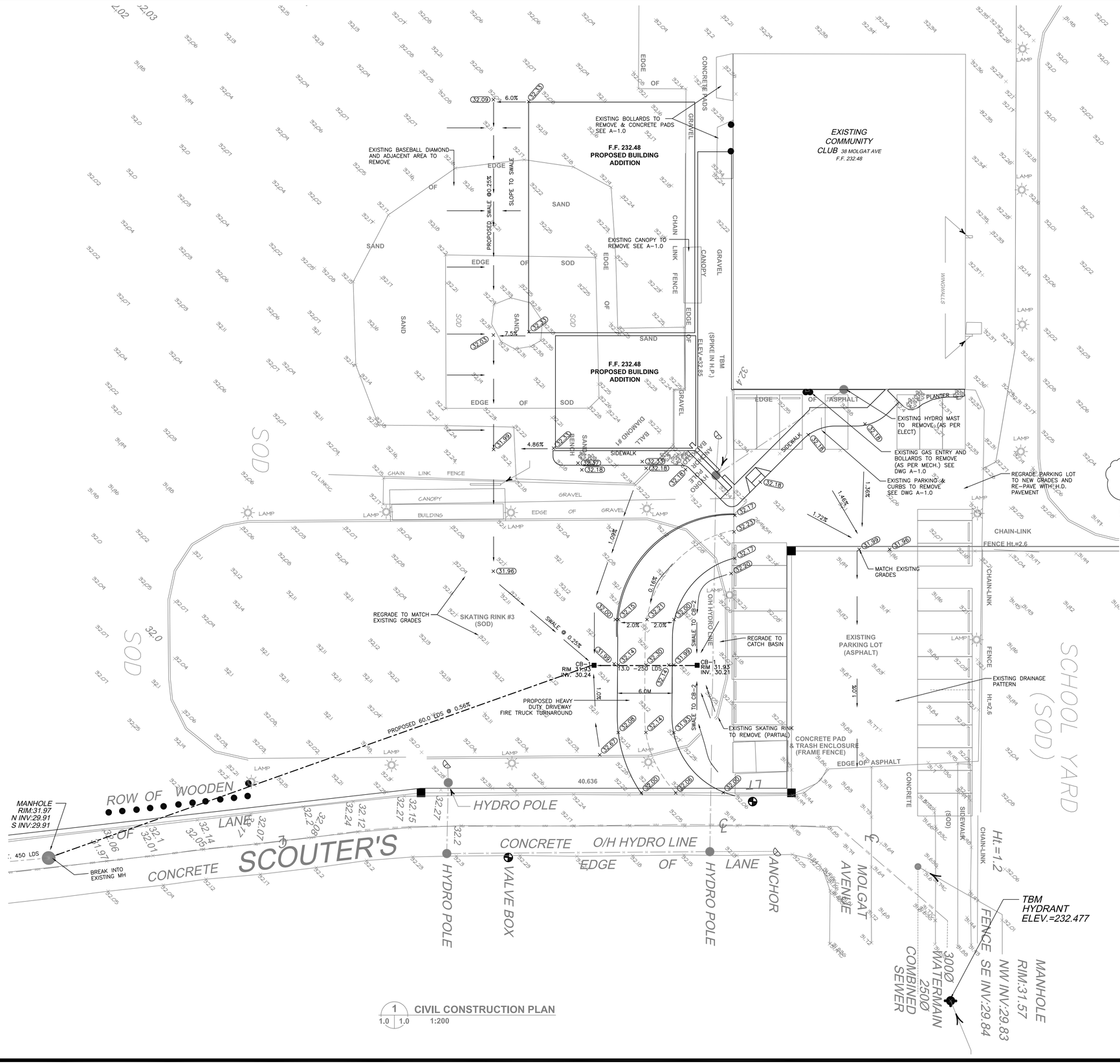


1 CIVIL CONSTRUCTION PLAN
1.0 | 1.0 1:200

N

CONSTRUCTION NORTH

1.0 CONSTRUCTION NOTES

.1 ALL CONSTRUCTION TO CONFORM WITH APPROPRIATE CITY OF WINNIPEG CONSTRUCTION SPECIFICATIONS.

.2 CONTRACTOR TO OBTAIN ALL PERMITS.

.3 CONTRACTOR TO OBTAIN UTILITY CLEARANCES BEFORE EXCAVATING.

.4 AUGER UNDER STREET PAVEMENT.

.5 BACKFILL ALL TRENCHES IN PARKING LOTS WITH GRANULAR MATERIALS.

.6 BACKFILL IN LANDSCAPED AREAS TO BE CLASS 5.

.7 CONFIRM ALL DIMENSIONS BEFORE STARTING.

.8 MATERIALS

WWS AND LDS: SDR-35 OR EQUAL

CATCH BASINS: 30" x 6'-0" WITH OPEN GRATES

2.0 DRAINAGE DESIGN NOTES

.1 RATIONAL FORMULA WAS USED.

.1 Q = CIA FOR 5 YEAR STORM $I = \frac{47.2}{(t+8)^{.828}}$
t = 10 MINUTES
i = 4.31 in/hr
A = 0.59 AC AREA OF DEVELOPMENT

.2 Q = CIA FOR 25 YEAR STORM $I = \frac{72.5}{(t+9)^{.842}}$
t = 10 MINUTES
i = 6.08 in/hr
A = 0.59 AC AREA OF DEVELOPMENT

.2 MAXIMUM ALLOWABLE RUNOFF COEFFICIENT: C = 0.5

.3 MAXIMUM ALLOWABLE RUNOFF FOR 5 YEAR STORM IS 1.27 CFS.

.4 MAXIMUM ALLOWABLE RUNOFF FOR 25 YEAR STORM IS 1.79 CFS.

.5 ALL SUBCATCHMENT BASINS ARE CALCULATED TO CONTAIN A 25 YEAR STORM.

3.0 MISCELLANEOUS NOTES

.1 TOPOGRAPHIC SURVEY BY POLOCK & WRIGHT (L.N. McLAUGHLIN M.L.S. C.L.S.)

.2 EXISTING UTILITY INFORMATION COMPILED FROM GEO ENGINEERING DRAWING.

.3 GEODETIC BENCH MARK 54-013
ELEVATION 232.291 METRES

.4 SECONDARY BENCH MARK TOP OF HYDRANT ON MOLGAT AVE AS SHOWN 232.447 METERS

4.0 CIVIL NOTES

THE DRAWING INDICATES ALL CONSTRUCTION IS TO CONFORM WITH CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS. THE CITY SPEC REFERENCES ARE:

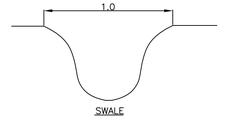
1.0 LDS SEWER CONSTRUCTION TO CONFORM WITH CW2130
2.0 BACK FILL REQUIREMENTS:
.1 CONCRETE PAVEMENT CLASS 2
.2 ASPHALT PAVEMENT CLASS 6
.3 SODDED AREAS CLASS 5

3.0 CULVERTS TO CONFORM WITH CW3610
4.0 CATCH BASINS TO CONFORM WITH SD-225

5.0 HEAVY DUTY ASPHALT PAVEMENT
SHALL CONSIST OF:
.1 COMPACTED SUB-GRADE
.2 FILTER FABRIC
.3 375 SUB-BASE
.4 150 BASE COURSE
.5 75 ASPHALT PAVEMENT

6.0 SWALES SHALL BE AT LEASE ONE METRE WIDE WITH SIDE SLOPES NOT EXCEEDING 3:1
7.0 RESODDING DAMAGES GRASS SHALL CONFORM WITH SPECIFICATION CW3510.
8.0 ASPHALT DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED TO MATCH EXISTING ASPHALT PAVEMENT.
9.0 CONCRETE DAMAGED DURING CONSTRUCTION TO BE REPAIRED TO MATCH EXISTING CONDITIONS.

COORDINATE WITH DRAWING A-1.0



NO.	REVISION	DATE	BY
01	ADDED ADDITIONAL NOTE 4.0	2008-05-07	WPW

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THIS DRAWING SHALL NOT BE SCALED. FOLLOW GIVEN DIMENSIONS ONLY.

THE CONTRACTOR SHALL SATISFY HIMSELF THAT ALL DIMENSIONS AND INFORMATION SHOWN ARE CORRECT.

PRIOR TO COMMENCEMENT OF WORK REPORT ANY DISCREPANCIES TO THE ARCHITECT.

VARIATIONS AND MODIFICATIONS TO WORK SHOWN WILL NOT BE ALLOWED WITHOUT WRITTEN PERMISSION OF THE ARCHITECT.

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DRN	APP	MEC DWG No.	REV
CHK WPW	WPW DATE 03-25-08	08063	1

SEAL

PROVINCE OF MANITOBA — EXPIRES — W.P. WOLFE — REGISTERED PROFESSIONAL ENGINEER — 03/7/08

APEGM Certificate of Authorization MEC CONSULTING No. 4438 Date: March 7/08

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PROJECT TITLE

NORBERRY GLENLEE COMMUNITY CENTRE EXPANSION

26 Molgat Avenue, Winnipeg, MB
Bid Opportunity No. 931-2007

SHEET TITLE

CIVIL SITE & GRADING PLAN

DRAWN BY	SCALE	SHEET NUMBER
CHECKED BY	1:200	C-1 (REV1)
PROJECT NUMBER	DATE 2008-03-25	
06-017	REVISION 0	

May 07, 2008 - 2:35pm
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