



- 1.0 CONSTRUCTION NOTES**
- ALL CONSTRUCTION TO CONFORM WITH APPROPRIATE CITY OF WINNIPEG CONSTRUCTION SPECIFICATIONS.
 - CONTRACTOR TO OBTAIN ALL PERMITS.
 - CONTRACTOR TO CLEAR UTILITIES BEFORE EXCAVATING.
 - AUGER UNDER STREET PAVEMENT.
 - BACKFILL ALL TRENCHES IN PARKING LOTS WITH GRANULAR MATERIALS.
 - BACKFILL IN LANDSCAPED AREAS TO BE CLASS 5. TO CITY OF WINNIPEG SPECIFICATIONS
 - CONFIRM ALL DIMENSIONS BEFORE STARTING
- 8. EXISTING MATERIALS**
- WWS AND LDS: SDR-35
 WM: COPPER
 CATCH BASINS: TO CITY SPEC

- 2.0 DRAINAGE DESIGN NOTES**
- RATIONAL FORMULA WAS USED.
 $Q = CIA$ FOR 5 YEAR STORM $I = 4.31$ 1N/HR $I = \frac{47.2}{(t+8)^{.828}}$
 $t = 10$ MINUTES
 $A = 0.864$ AC
 - FOR 5 YEAR STORM
 $Q = CIA$ FOR 25 YEAR STORM $I = 6.08$ 1N/HR $I = \frac{72.5}{(t+9)^{.842}}$
 $A = 0.864$ AC
 - MAXIMUM ALLOWABLE RUNOFF COEFFICIENT: 0.55
 - CALCULATED RUNOFF COEFFICIENT 0.75
 - MAXIMUM ALLOWABLE CFS RUNOFF FOR 5 YEAR STORM IS 1.117 CFS
 ORIFICE SIZE REQUIRED 3.0" (75mm)
 - MAXIMUM ALLOWABLE RUNOFF FOR 25 YEAR STORM IS 1.57 CFS
 - STORMWATER MANAGEMENT
 PERVIOUS AREA 0.389 AC
 IMPERVIOUS AREA 0.475 AC
 SITE STORAGE REQUIRED C.F.
 SITE STORAGE AVAILABLE C.F.

- 3.0 SEWER & WATER REQUIREMENT**
- FROM MECHANICAL DRAWINGS M1.1
- ROOF DRAIN, 66 GPM, 150 PIPE REQUIRED @ 1.0% GRADE
 - 50 WATER, SEE FIXTURE COUNT FOR WATER METER SIZE
 - 150 WWS REQUIRED @ 1.0% MIN GRADE
- AVERAGE DAILY SEWAGE FLOW 1150 SM X 5L/SM = 5750L/DAY
 = 3.99L/MIN
 PEAK FLOW = $\frac{3.99 \times 6.0(PF)}{60} = 0.39$ L/SEC

- 4.0 MISCELLANEOUS NOTES**
- TOPOGRAPHIC SURVEY BY STEVENS & PHILLIPS
 - EXISTING UTILITY INFORMATION COMPILED FROM & GEO INFO AND SURVEYER'S DRAWING & GEO DRAWING
 - GEODETIC BENCH MARK _____ ELEVATION _____
 - SECONDARY BENCH MARK TOP OF FIRE HYDRANT AS SHOWN ELEVATION 231.99
 - SEE MLS DRAWINGS FOR LEGAL PLAN AND TOPO SURVEY
 - COORDINATE WITH STRUCTURAL ELECTRICAL ARCHITECTURAL SITE PLAN & MECHANICAL DRAWINGS

SYMBOL	DESCRIPTION
(Circle with 'R')	RECIRCULATING WATER
(Circle with 'C')	CONTROL POINT
(Circle with 'W')	WATERMETER
(Circle with 'H')	HYDRANT
(Circle with 'V')	VALVE
(Circle with 'S')	STORM SEWER
(Circle with 'SA')	SANITARY SEWER
(Circle with 'M')	MANHOLE
(Circle with 'CB')	CATCH BASIN
(Circle with 'CIB')	CURB INLET
(Circle with 'J')	JUNCTIONS
(Circle with 'CU')	CULVERT
(Circle with 'PL')	PROPERTY LINE
(Circle with 'SB')	SURVEY BAR
(Circle with 'SV')	SERVICE VALVE
(Circle with 'SR')	SIDEWALK RAMP
(Circle with 'R')	RIDGE
(Circle with 'E')	ELEVATION (60.00)
(Circle with 'DF')	DRAINAGE FLOW
(Circle with 'EX')	EXISTING
(Circle with 'PR')	LEGEND-PLAN PROPOSED

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REV: _____
 DATE: 2015-12-07
 PROJECT: 15112C

SEE PHILLIPS & STEVENS TOPO SURVEY FOR CONTOURS & LEGEND
 1201 ARCHIBALD ST.
 WINDSOR PARK LIBRARY
 CIVIL SITE PLAN

ISSUED FOR PERMIT/CONSTRUCTION
 MARCH 28/2016
 SCALE 1:300

david penner
 ARCHITECT

+

h5a
 h5 architecture

PEGM
 Certificate of Authorization
 MEC CONSULTING
 No. 4438 Date: 2016-03-22

WOLFE
 REGISTERED ENGINEER