

- GENERAL PROJECT NOTES:
- All dimensions are in metres.
 - Do not scale drawings.
 - All elevations are in metres and are geodetic. Geodetic information was obtained from the "Plan of Survey of part of Lot 31 Concession 9 (Geographic township of Goulbourn) City of Ottawa" completed by Stanley Geomatics Ltd. on March 7, 2016, Project # 161013624-111.
 - Temporary Benchmark (TBM) is the top of spigot for the fire hydrant on Fernbank Road, located about 14.5m northwest of the proposed site entrance. Elevation=96.59m.
 - This drawing does not represent a legal survey.
 - All dimensions to be verified on site by contractor prior to construction.
 - Any changes made to this plan must be verified and approved by Kollaard Associates Inc.
 - All materials and construction to be in accordance with City of Ottawa standards and Ontario Provincial Standards and Specifications, including (but not limited to): sewer and watermain material types, dissection, provide minimum 2.4 metres of cover for water services, cathodic protection, City of Ottawa insulation specifications for watermain, pipe bedding, reinstatement of disturbed areas and leakage testing.
 - Reference Kollaard file #180084 Servicing and SWM Report for additional information relating to the site services design and the stormwater management design for this site.

APPROVED
By Derrick Moodie at 11:48 am, Jun 27, 2019

Derrick Moodie

DERRICK MOODIE
MANAGER
PLANNING, INFRASTRUCTURE & ECONOMIC
DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

Subject to City Approval

No.	REVISION	DATE	BY
10	REVISED TO MATCH LATEST SITE PLAN	2019/05/21	RR
9	REVISED AS PER 3rd MUNICIPAL COMMENTS	2019/05/09	RR
8	ISSUED FOR CONSTRUCTION	2019/04/01	RR
7	ISSUED FOR CONSTRUCTION	2019/03/13	SD
6	SAN. SERVICE LOCATION / ACCESSIBLE GRADING	2019/03/11	SD
5	REVISED AS PER 2nd MUNICIPAL COMMENTS	2019/02/20	RR
4	REVISED AS PER 2nd MUNICIPAL COMMENTS	2019/01/08	RR
3	REVISED AS PER MUNICIPAL COMMENTS	2018/12/11	RR
2	REVISED FOR INCL. IN SSMR	2018/09/11	RR
1	REVISED FOR SITE PLAN CONTROL	2018/08/13	RR
0	ISSUED FOR SITE PLAN CONTROL	2018/06/18	RR

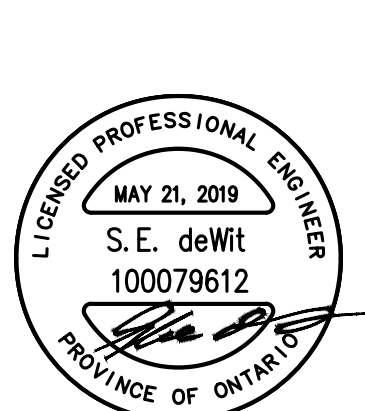
Kollaard Associates
Engineers

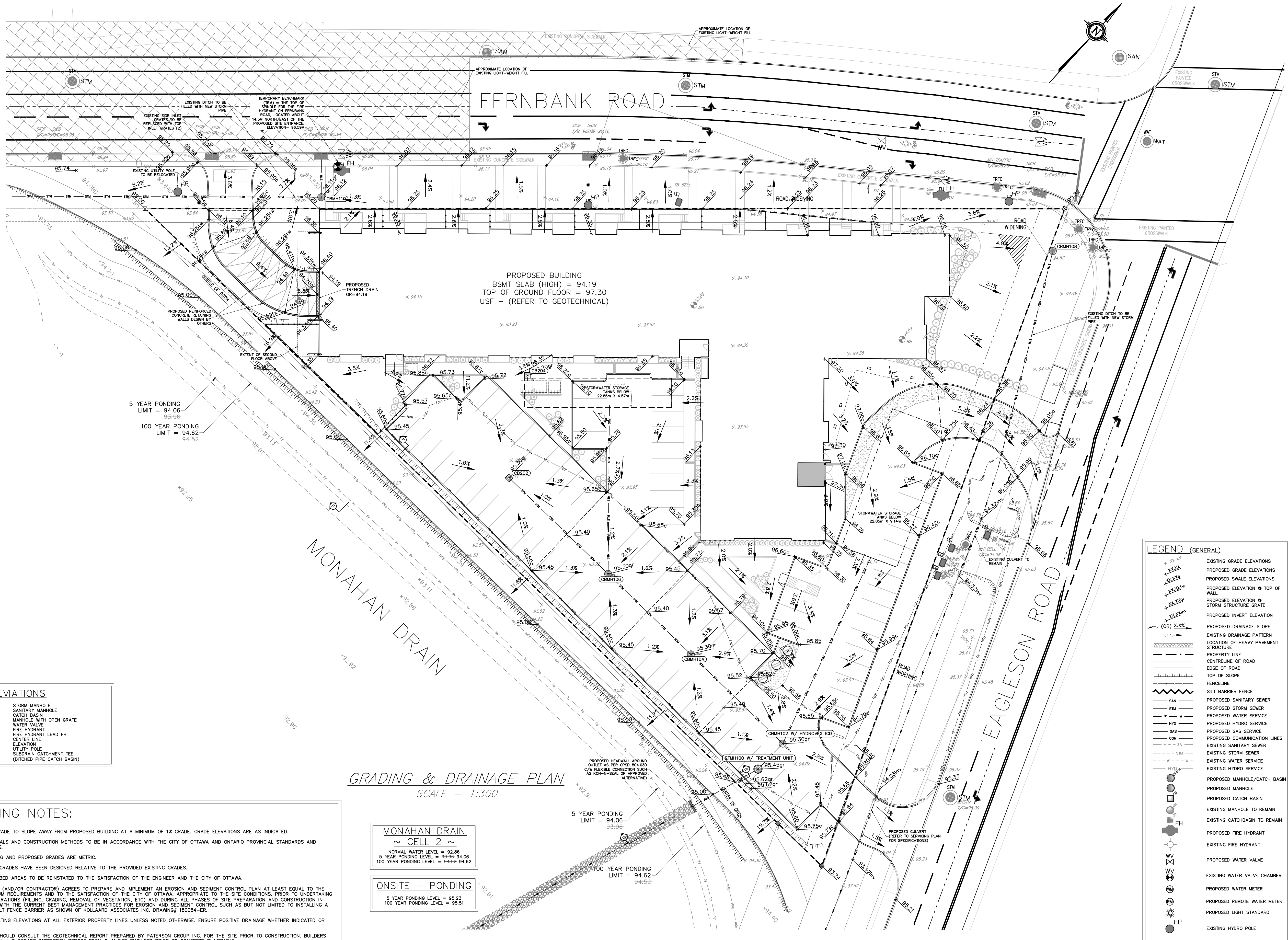
P.O. BOX 189, 210 PRESCOTT ST.(613) 860-0923
KEMPVILLE, ONTARIO info@kollaard.ca
KOG 1.0 FAX (613) 258-0475
http://www.kollaard.ca

CLIENT NAME
IRONCLAD DEVELOPMENTS

PROJECT NAME
**PROPOSED 6 STOREY
APARTMENT DEVELOPMENT**

PROJECT LOCATION
**800 EAGLESON RD
KANATA, ON
K2M 0A8**

	DESIGNED BY	CHECKED BY
	SD	SD
	DRAWN BY	APPROVED BY
	RR	SD
	DATE	23.APR.2018
SCALE	1:300	
PROJECT No.	180084	
SHEET SET	1 OF 8	



ABBREVIATIONS

STM	STORM MANHOLE
SAN	SANITARY MANHOLE
CB	CATCH BASIN
WV	WATER VALVE
FH	FIRE HYDRANT
FL	FIRE HYDRANT LEAD FH
C/L	CENTER LINE
ELEV	ELEVATION
UP	UTILITY POLE
SDCT	SUBURBAN CATCHMENT TEE (DITCHED PIPE CATCH BASIN)

- GRADING NOTES:
- FINISHED GRADE TO SLOPE AWAY FROM PROPOSED BUILDING AT A MINIMUM OF 1% GRADE. GRADE ELEVATIONS ARE AS INDICATED.
 - ALL MATERIALS AND CONSTRUCTION METHODS TO BE IN ACCORDANCE WITH THE CITY OF OTTAWA AND ONTARIO PROVINCIAL STANDARDS AND SPECIFICATIONS.
 - ALL EXISTING AND PROPOSED GRADES ARE METRIC.
 - PROPOSED GRADES HAVE BEEN DESIGNED RELATIVE TO THE PROVIDED EXISTING GRADES.
 - ALL DISTURBED AREAS TO BE REINSTATED TO THE SATISFACTION OF THE ENGINEER AND THE CITY OF OTTAWA.
 - THE OWNER (AND/OR CONTRACTOR) AGREES TO PREPARE AND IMPLEMENT AN EROSION AND SEDIMENT CONTROL PLAN AT LEAST EQUAL TO THE STATED MINIMUM REQUIREMENTS AND TO THE SATISFACTION OF THE CITY OF OTTAWA, APPROPRIATE TO THE SITE CONDITIONS, PRIOR TO UNDERTAKING ANY SITE ALTERATIONS (FILLING, GRADING, REMOVAL OF VEGETATION, ETC) AND DURING ALL PHASES OF SITE PREPARATION AND CONSTRUCTION IN ACCORDANCE WITH THE CURRENT BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL, SUCH AS BUT NOT LIMITED TO INSTALLING A LIGHT DUTY SILT FENCE BARRIER AS SHOWN OF KOLLAARD ASSOCIATES INC. DRAWING# 180084-ER.
 - WATCH EXISTING ELEVATIONS AT ALL EXTERIOR PROPERTY LINES UNLESS NOTED OTHERWISE. ENSURE POSITIVE DRAINAGE WHETHER INDICATED OR NOT.
 - BUILDERS SHOULD CONSULT THE GEOTECHNICAL REPORT PREPARED BY PATERSON GROUP INC. FOR THE SITE PRIOR TO CONSTRUCTION. BUILDERS SHOULD OBTAIN A SUBGRADE INSPECTION REPORT FROM QUALIFIED ENGINEER PRIOR TO CONCRETE PLACEMENT.
 - DRIVEWAY, PARKING LOT AND BUILDING SUBGRADES SHALL BE INSPECTED BY A LICENSED GEOTECHNICAL ENGINEER PRIOR TO THE PLACEMENT OF GRANULARS.
 - CONTRACTOR RESPONSIBLE FOR ALL LAYOUT FOR CONSTRUCTION PURPOSES.
 - CO-ORDINATE AND SCHEDULE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
 - CONTRACTOR TO COMPLY WITH THE MUNICIPAL AUTHORITY REQUIREMENTS FOR TRAFFIC CONTROL WHEN WORKING NEAR MUNICIPAL STREET.
 - RESTORE PAVEMENT STRUCTURE AND SURFACES ON EXISTING ROADS TO A CONDITION AT LEAST EQUAL TO ORIGINAL AND TO THE SATISFACTION OF THE MUNICIPAL AUTHORITIES.
 - REFER TO SITE PLAN BY ARCHITECT FOR BUILDING DIMENSIONS AND SITE LAYOUT. DIMENSIONS AND LAYOUT INFORMATION SHALL BE CONFIRMED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 - THE CONTRACTOR SHALL CO-ORDINATE AND PAY FOR ALL CONSTRUCTION RELATED PERMITS, FEES, INSPECTIONS AND APPROVALS REQUIRED BY THE MUNICIPAL AUTHORITIES.
 - THE CONTRACTOR TO VERIFY LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO BEGINNING AND SITE WORK.
 - FOR DETAILS OF GROUND CONDITIONS, REFERENCE SHOULD BE MADE TO THE GEOTECHNICAL REPORT PREPARED BY PATERSON GROUP INC.
 - DROP CURB HEIGHT AT DEPRESSED CURBS TO BE AS PER CITY OF OTTAWA DETAIL SC1.4. DROP CURB HEIGHT TO BE 5mm.
 - ALL EDGES OF DISTURBED PAVEMENT SHALL BE SAW CUT TO FORM A NEAT AND STRAIGHT LINE PRIOR TO PLACING NEW PAVEMENT.

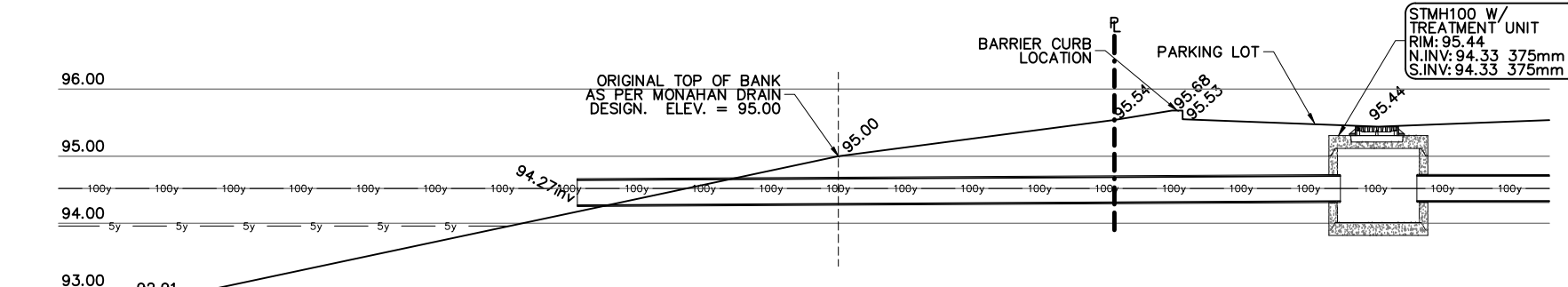
GRADING & DRAINAGE PLAN
SCALE = 1:300

MONAHAN DRAIN
~ CELL 2 ~

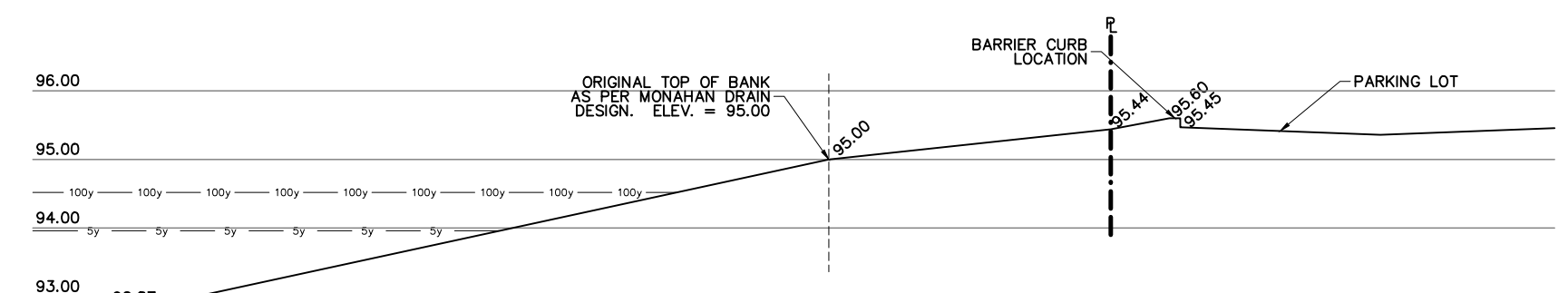
NORMAL WATER LEVEL = 92.86
5 YEAR PONDING LEVEL = 93.99 94.06
100 YEAR PONDING LEVEL = 94.62 94.62

ONSITE - PONDING

5 YEAR PONDING LEVEL = 95.23
100 YEAR PONDING LEVEL = 95.51



SECTION E-E
SCALE = 1:100



SECTION F-F
SCALE = 1:100