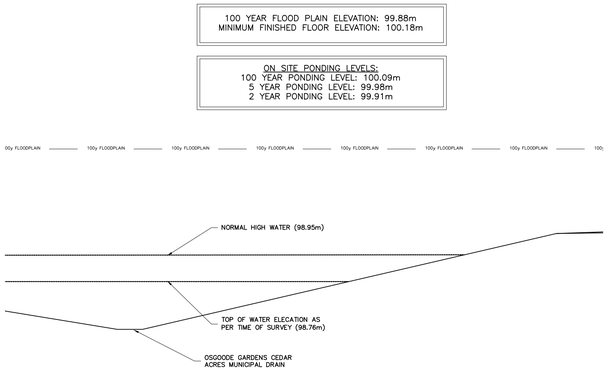
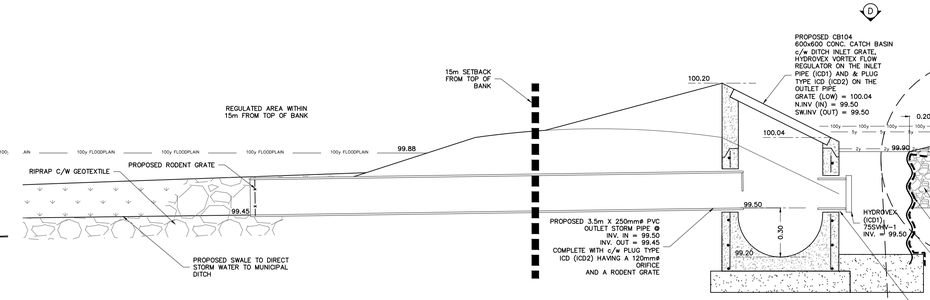
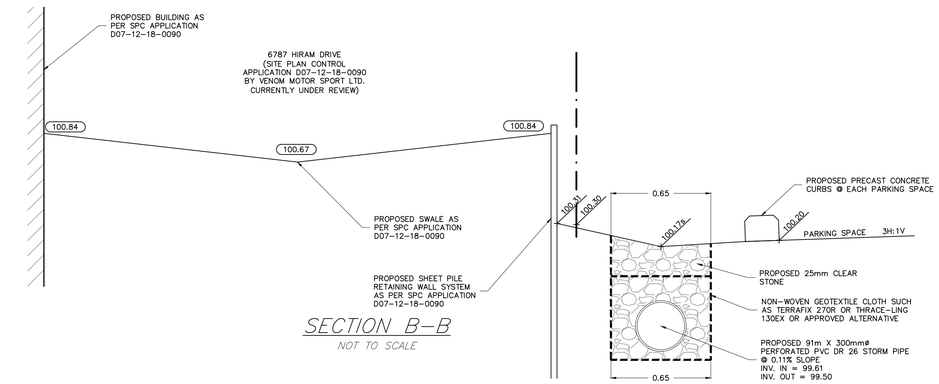
100 YEAR FLOOD PLAIN ELEVATION: 99.88m
MINIMUM FINISHED FLOOR ELEVATION: 100.18m

ON SITE PONDING LEVELS:
100 YEAR PONDING LEVEL: 100.09m
5 YEAR PONDING LEVEL: 99.98m
2 YEAR PONDING LEVEL: 99.91m





SECTION A–A
OUTLET STRUCTURE
NOT TO SCALE



SECTION B–B
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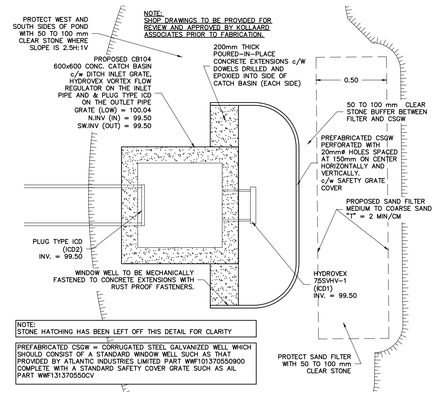
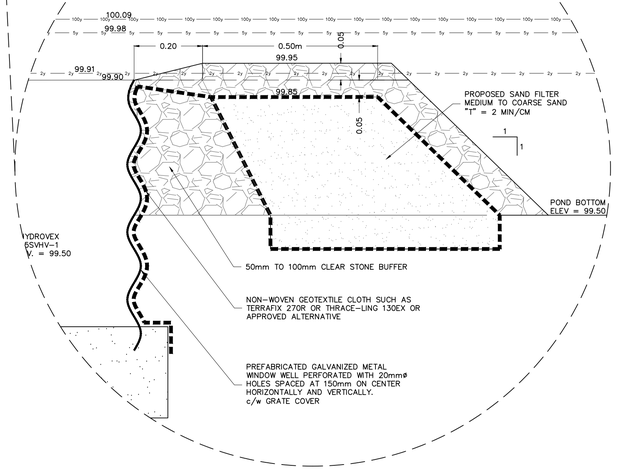
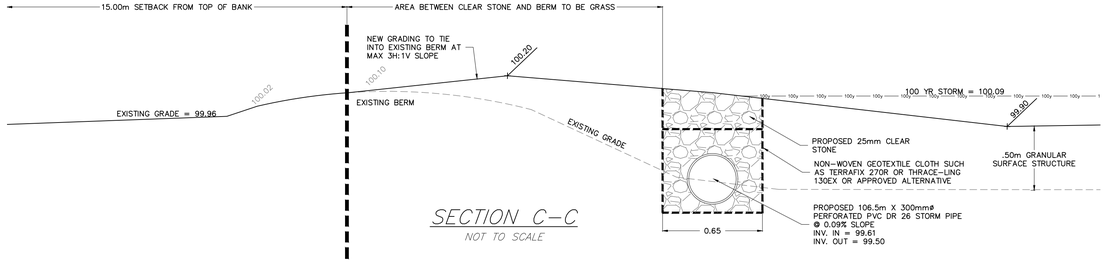
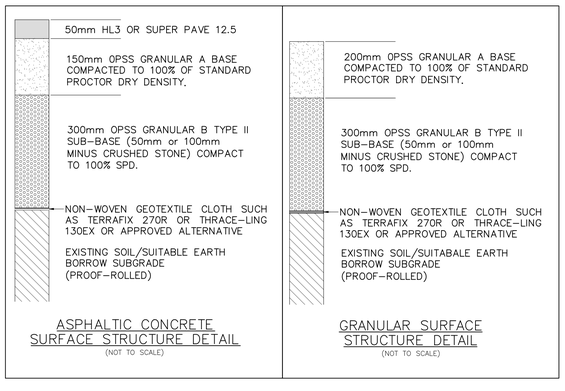


DETAIL D
OUTLET STRUCTURE
NOT TO SCALE

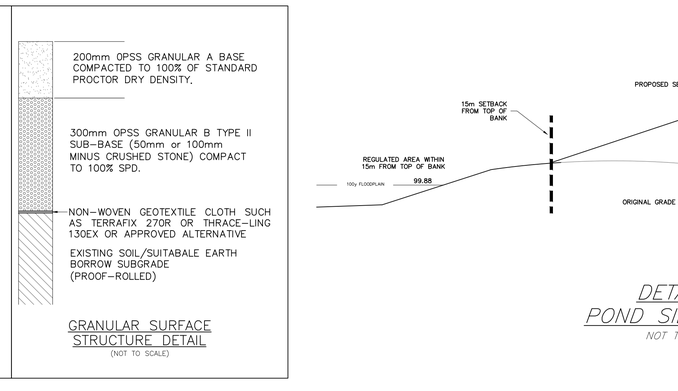




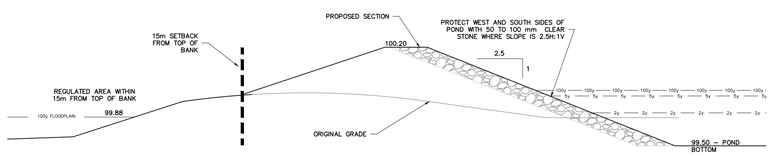
SECTION C–C
NOT TO SCALE



ASPHALTIC CONCRETE SURFACE STRUCTURE DETAIL
(NOT TO SCALE)



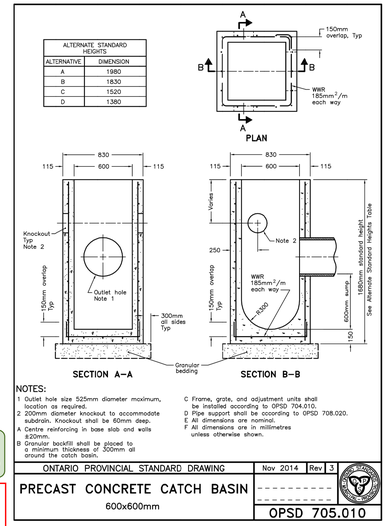
GRANULAR SURFACE STRUCTURE DETAIL
(NOT TO SCALE)



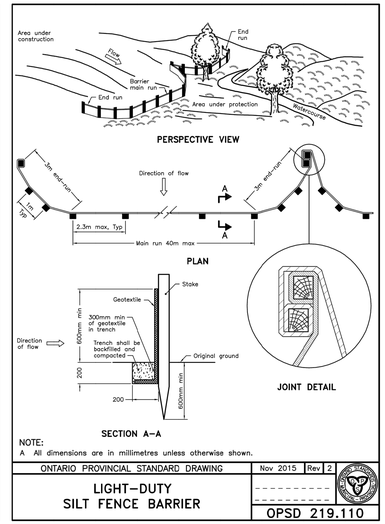
DETAIL E
POND SIDE SLOPE
NOT TO SCALE

APPROVED
By turkingtse at 10:17 am, Oct 08, 2020

SEANA TURKINGTON
PLANNER I
PLANNING, INFRASTRUCTURE & ECONOMIC DEVEVELOPMENT DEPARTMENT, CITY OF OTTAWA



ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2014	Rev 3
PRECAST CONCRETE CATCH BASIN 600x600mm		OPSD 705.010



ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2015	Rev 2
LIGHT–DUTY SILT FENCE BARRIER		OPSD 219.110

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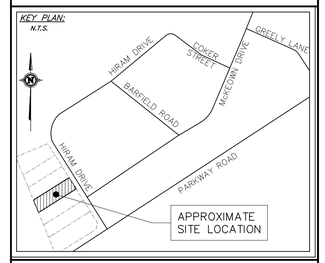
KOLLAARD ASSOCIATES INCORPORATED

DRAWING NUMBER: 180938–DET

KEY PLAN: N.T.S.



SCALE: AS NOTED

GENERAL NOTES:
1. All dimensions are in metres; all elevations are in metres and are geodetic.
2. Geodetic information for the site was obtained using GPS survey equipment connected to the CAN-Net Virtual Reference Station Network which provides real time GNSS –(Global Navigation Satellite System) calibration data to precisely obtain the horizontal and vertical coordinates of a point within the NAD83 coordinate reference frame. Geodetic information was verified to be accurate by comparing the CAN-Net Network to MNR&F survey Control Monument known as Station 0019700U045, which has a geodetic elevation of 92.081m. This monument is described as: Township: Greely Highway Culvert, over North Castor River, along Highway No. 31, Between Vernon and Leitrim, 6.8km Northwest from Concession VI Road, Tablet on Northeast side of Road, in most northerly corner of Culvert."
3. TBM = Nail on existing hydro pole. Elevation= 99.79.
4. This is not a legal survey.
5. Property boundary was derived from PLAN 4R–28109 (H.A. KEN SHIPMAN SURVEYING LTD. File No. 13–10481.)
6. Contractor is responsible for location and protection of utilities.
7. Contractor to verify that appropriate permits have been acquired prior to any construction.
8. All dimensions to be verified on site by contractor prior to construction.
9. Client is responsible for acquiring all necessary permits. This drawing is not for construction until a building permit has been granted.
10. Inspection of rough grade by Kollaard Associates Inc. and City of Ottawa must be conducted prior to placement of topsoil or sod.
11. Hydro service to be installed according to the specifications of HydroOne and the Mechanical Engineer.
12. All materials and construction to be in accordance with City of Ottawa standards and Ontario Provincial Standards and Specifications; sewer and watermain material types; disinfection, 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.
13. Any changes made to this plan must be verified and approved by Kollaard Associates Inc.
14. This drawing is part of Kollaard Associates design report # 180938.

No.	REVISION	DATE	BY
4	REVISED FOR SITE PLAN CONTROL	2020/07/27	RR
3	REVISED FOR SITE PLAN CONTROL	2020/06/16	RR
2	REVISED FOR SITE PLAN CONTROL	2020/04/29	RR
1	REVISED FOR SITE PLAN CONTROL	2020/01/29	RR
–	ISSUED FOR SITE PLAN CONTROL	2019/04/25	RR

Kollaard Associates
Engineers
(613) 860–0923
info@kollaard.ca
P.O. BOX 189, 210 PRESCOTT ST.
KEMPTVILLE, ONTARIO
K0G 1J0 FAX (613) 258–0475
http://www.kollaard.ca

CLIENT:
NAT GIUST
3223 WOODROFFE AVENUE
NEPEAN, ON K2J 4G5

PROJECT:
PROPOSED REPAIR GARAGE BUILDING WITH OFFICES

LOCATION:
6793 HIRAM DRIVE
R.PLAN 4R–28109, PARTS 4 & 28
LOT 5, CONC. 4, OSGOODE,
OTTAWA, ON

LICENSED PROFESSIONAL ENGINEER — JULY 27, 2020 — S. E. deWit — 100079612 — PROVINCE OF ONTARIO

DESIGNED BY:	CHECKED BY:
SG	SD
DRAWN BY:	APPROVED BY:
RR/ML	SD

DATE: MARCH 19, 2019
KOLLAARD FILE NUMBER: 180938

DRAWING NUMBER: 180938–DET

DRAWING NAME: DETAILS

D07-12-19-0106

ARCH D