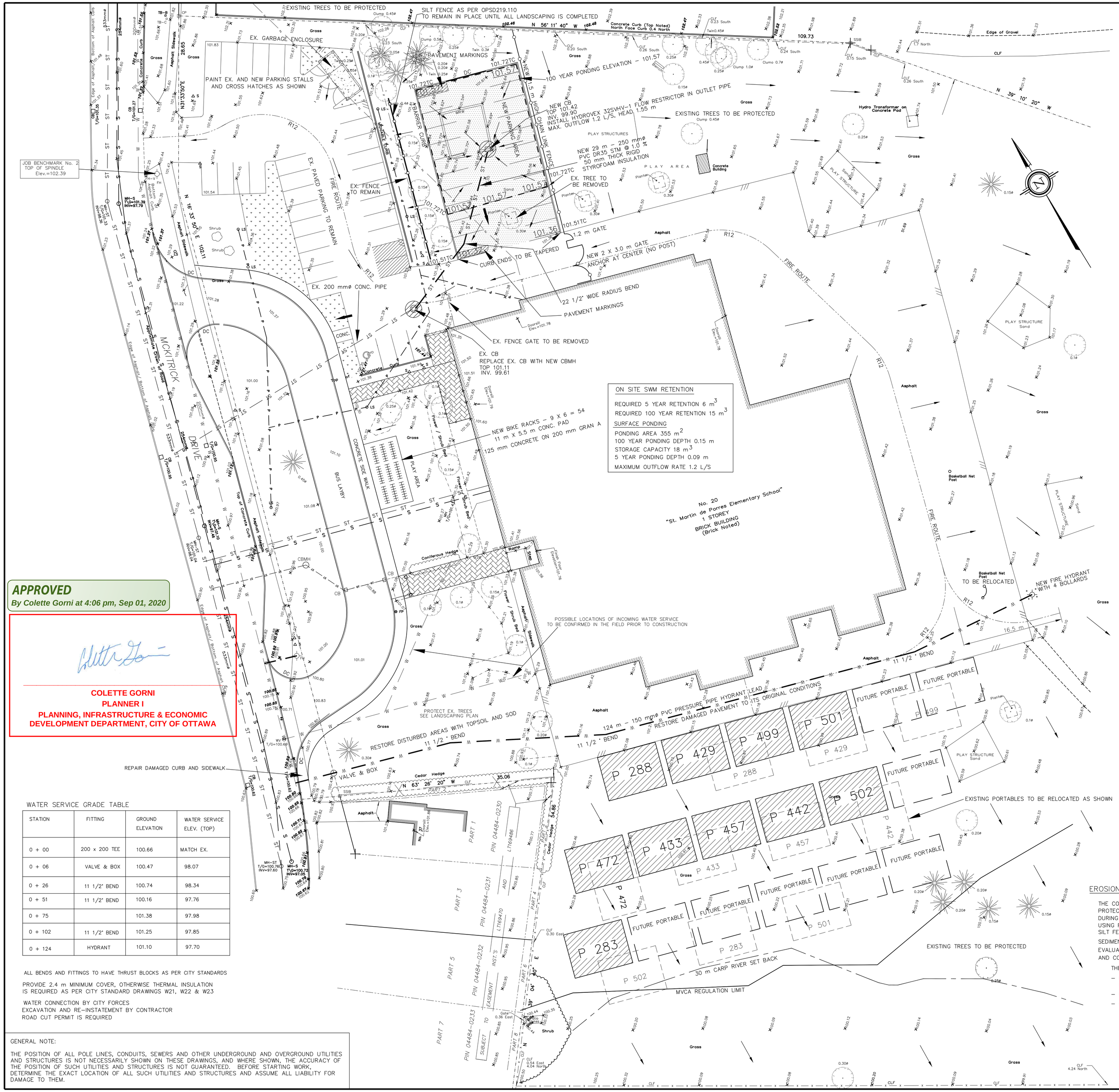

PAVEMENT STRUCTURE

GRANULAR B TYPE 2	300 mm
GRANULAR A	150 mm
HL3 OR SUPERPAVE 12.5	50 mm

GEOTECHNICAL CONSULTANT TO INSPECT SUBGRADE DURING CONSTRUCTION, AND CONFIRM PAVEMENT STRUCTURE

BENCH MARK

TOP OF SPINDLE OF EXISTING FIRE HYDRANT – ELEVATION 102.39

LEGEND:

100.83	PROPOSED ELEVATION
x101.55	EXISTING ELEVATION
100.83TC	TOP OF CURB
DC	DEPRESSED CURB
→	DIRECTION OF FLOW
UP	UTILITY POLE
LS	LIGHT STANDARD
S	SANITARY SEWER
ST	EX. STORM
ST	NEW STORM
W	WATER
	GAS
	PROPERTY LINE
P	UNDERGROUND HYDRO
	LIGHT DUTY ASPHALT
	100 YEAR PONDING
	OVERLAND FLOW ROUTE
	SILT FENCE

PLACE FILTER CLOTH UNDER THE GRATES
FILTER CLOTH TO BE MEDIUM STRENTH NON-WOVEN GEOTEXTILE, OR APPROVED EQUIVALENT

ON SITE SWM RETENTION

REQUIRED 5 YEAR RETENTION 6 m^3
REQUIRED 100 YEAR RETENTION 15 m^3

SURFACE PONDING
PONDING AREA 355 m^2
100 YEAR PONDING DEPTH 0.15 m
STORAGE CAPACITY 18 m^3
5 YEAR PONDING DEPTH 0.09 m
MAXIMUM OUTFLOW RATE 1.2 L/S

WATER SERVICE GRADE TABLE

STATION	FITTING	GROUND ELEVATION	WATER SERVICE ELEV. (TOP)
0 + 00	200 x 200 TEE	100.66	MATCH EX.
0 + 06	VALVE & BOX	100.47	98.07
0 + 26	11 1/2° BEND	100.74	98.34
0 + 51	11 1/2° BEND	100.16	97.76
0 + 75		101.38	97.98
0 + 102	11 1/2° BEND	101.25	97.85
0 + 124	HYDRANT	101.10	97.70

ALL BENDS AND FITTINGS TO HAVE THRUST BLOCKS AS PER CITY STANDARDS

PROVIDE 2.4 m MINIMUM COVER, OTHERWISE THERMAL INSULATION IS REQUIRED AS PER CITY STANDARD DRAWINGS W21, W22 & W23

WATER CONNECTION BY CITY FORCES
EXCAVATION AND RE-INSTATEMENT BY CONTRACTOR
ROAD CUT PERMIT IS REQUIRED

GENERAL NOTE:

THE POSITION OF ALL POLE LINES, CONDUITS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THESE DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

NOTES

1. DO NOT SCALE DRAWING
2. VERIFY LOCATIONS AND ELEVATIONS OF EXISTING SERVICES PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE TO OBTAIN LOCATES. CALL 1-800-400-2255 BEFORE EXCAVATING
3. CONTRACTOR IS TO COMPLY WITH THE CITY OF OTTAWA REQUIREMENTS FOR TRAFFIC CONTROL WHEN WORKING ON MUNICIPAL ROAD.
4. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CITY OF OTTAWA AND / OR ONTARIO PROVINCIAL STANDARDS (OPS)
5. NEW STORM MANHOLE AND CBMH TO BE 1200 mmø AS PER OPSD 701.010
6. CBMH COVER AS PER CITY STANDARD DRAWING S19
7. NEW CATCH BASINS TO BE 600 mm X 600 mm AS PER OPSD 705.010
8. CATCH BASIN COVER AS PER CITY STANDARD DRAWING S19.1
9. STORM MANHOLES AND CBMH'S TO BE CONSTRUCTED WITH 300 mm SUMPS, CB'S WITH 600 mm SUMPS
10. NEW CHAIN LINK FENCE AS PER CITY OF OTTAWA STANDARD DRAWING F9
11. BARRIER AND DEPRESSED CURB AS PER STANDARD DRAWING SC1.1
12. NEW SEWERS TO BE INSPECTED USING CCTV AS REQUIRED BY THE CITY
13. CLEAR AND GRUB AND STRIP TOPSOIL AS NECESSARY AND DISPOSE OFFSITE RE-INSTATE ALL DISTUBED LANDSCAPING WITH TOPSOIL AND SOD
14. CONTRACTOR IS RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION
15. RESTORE PAVEMENT STRUCTURE, CURBS AND SURFACES ON EXISTING ROADS TO THEIR ORIGINAL CONDITIONS STANDARD ROAD CUT REINSTATEMENT AS PER Std. Dwg. R10
16. THIS PLAN SHOULD BE READ IN CONJUCTION WITH THE SITE SERVICING AND SWM REPORT PREPARED BY CAPITAL ENGINEERING GROUP LTD AND THE GEOTECHNICAL REPORT PREPARED BY HOULE CHEVRIER ENGINEERING
17. A LICENSED GEOTECHNICAL ENGINEER MUST INSPECT THE SUBGRADE PRIOR TO CONSTRUCTION TO CONFIRM THE PAVEMENT STRUCTURE

EROSION AND SEDIMENT CONTROL

THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES, TO PROVIDE FOR THE PROTECTION OF THE AREA DRAINAGE SYSTEM AND THE RECEIVING WATER COURSE, DURING CONSTRUCTION ACTIVITIES. THIS INCLUDES LIMITING THE AMOUNT OF EXPOSED SOIL, USING FILTER CLOTH UNDER THE GRATES OF CATCHBASINS AND MANHOLES AND INSTALLING SILT FENCES AND OTHER EFFECTIVE SEDIMENT TRAPS.

SEDIMENT AND EROSION CONTROL MEASURES TO CONFORM TO MOE GUIDELINE B-6 "GUIDELINES FOR EVALUATING CONSTRUCTION ACTIVITIES IMPACTING ON WATER RESOURCES" , OR LOCAL STANDARDS AND CODES WHICHEVER IS MORE STRINGENT.

THE MEASURES SHALL MEET THE FOLLOWING OBJECTIVES:

- PREVENT LOSS OF SOIL DURING CONSTRUCTION BY STORM RUNOFF AND/OR WIND EROSION, INCLUDING PROTECTING TOPSOIL BY STOCKPILING FOR REUSE
- PREVENT SEDIMENTATION OF STORM SEWERS OR RECEIVING STREAMS
- PREVENT POLLUTING THE AIR WITH DUST AND PARTICULATE MATTER

APPROVED
By Colette Gorni at 4:06 pm, Sep 01, 2020

COLETTE GORNI
PLANNER I
PLANNING, INFRASTRUCTURE & ECONOMIC DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

OTTAWA CATHOLIC SCHOOL BOARD

PART OF LOT 31
CONCESSION 11
GEOGRAPHIC TOWNSHIP OF GOULBOURN
CITY OF OTTAWA

SURVEY BY:
ANNIS, O'SULLIVAN VOLLEBEKK LTD.

No.	Date	Description
3	2020/08/07	Revised to Address City Comments Issued for Tender
2	2020/06/08	Issued for Site Plan Application
1	2020/04/06	Issued for Client Review

Revisions

Stamp

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Municipal / Land Development
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Ottawa, Ontario K1G 4S5
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E: cegl@rogers.com

LICENSED PROFESSIONAL ENGINEER
AMINE NAOUM
Aug 07/20
PROVINCE OF ONTARIO

Project

St. Martin de Porres Catholic School
Additional Parking
and New Private Hydrant

20 McKitrick Drive
Former City of Kanata

Drawing

Servicing, Grading and Erosion & Sediment Control Plan

Scale 1:300	
Designed/Drawn by AN / Andrew	
Approved by A. Naoum	Drawing Date 2020/04/06
Project No. CEGL 201001	Sheet No. G1

D07-12-20-0079

Plan No.18187