GENERAL NOTES

- 1. THE ORIGINAL TOPOGRAPHY, GROUND ELEVATION AND SURVEY DATA SHOWN ARE SUPPLIED FOR INFORMATION PURPOSES ONLY, AND IMPLY NO GUARANTEE OF ACCURACY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL INFORMATION SHOWN.
- 2. THIS PLAN IS NOT A CADASTRAL SURVEY SHOWING LEGAL PROPERTY BOUNDARIES AND EASEMENTS. THE PROPERTY BOUNDARIES SHOW HEREON HAVE BEEN DERIVED INFORMATION SUPPLIED BY (OR SHOWN ON) ANNIS, O'SULLIVAN, VOLLEBEKK LTD. JOB # 19311-17, DATED MARCH 15, 2017 AND CANNOT BE RELIED UPON TO BE ACCURATE OR COMPLETE. THE PRECISE LOCATION OF THE CURRENT PROPERTY BOUNDARIES AND EASEMENTS CAN ONLY BE DETERMINED BY AN UP-TO-DATE LAND TITLES SEARCH AND A SUBSEQUENT CADASTRAL SURVEY PERFORMED AND CERTIFIED BY AN ONTARIO LAND SURVEYOR.
- 3. THE CONSTRUCTION MANAGER IS TO OBTAIN AND PAY FOR BUILDING PERMIT, ALL OTHER NECESSARY PERMITS TO BE OBTAINED AND PAID FOR BY TRADE CONTRACTORS. ALL APPROVALS FROM THÉ CITY OR TOWNSHIP MUST BE OBTAINED BEFORE COMMENCING CONSTRUCTION.
- 4. THE TRADE CONTRACTORS ARE RESPONSIBLE FOR ALL LAYOUT.

STANDARD PROCTOR DENSITY.

- THE TRADE CONTRACTORS ARE TO DETERMINE THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION. PROTECT AND ASSUME ALL RESPONSIBILITY FOR EXISTING UTILITIES WHETHER OR NOT SHOWN ON THESE DRAWINGS. IF THERE IS ANY DISCREPANCY THE CONTRACTOR IS TO NOTIFY THE
- 6. ALL 'GREEN AREAS' TO BE TREATED WITH 150mm TOPSOIL, SEED & MULCH AS SOON AS FEASIBLE.
- 7. RESTORE ALL TRENCHES AND SURFACES OF PUBLIC ROAD ALLOWANCES TO CONDITION EQUAL OR BETTER THAN ORIGINAL CONDITION AND TO THE SATISFACTION OF THE CITY OR TOWNSHIP AUTHORITIES.
- 8. EXCAVATE AND DISPOSE OF ALL EXCESS EXCAVATED MATERIAL, SUCH AS ASPHALT, CURBING AND DEBRIS, OFF SITE AS DIRECTED BY THE ENGINEER AND THE CITY OR TOWNSHIP.
- 9. TOPSOIL TO BE STRIPPED AND REMOVED FROM SITE. CLEAN FILL TO BE PLACED IN FILL AREAS AND COMPACTED TO 95%
- 10. ALL DISTURBED AREAS TO BE RESTORED TO ORIGINAL CONDITION OR BETTER UNLESS OTHERWISE SPECIFIED.
- 11. THE TRADE CONTRACTORS SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL AND SAFETY MEASURES DURING THE CONSTRUCTION PERIOD, INCLUDING THE SUPPLY, INSTALLATION, AND REMOVAL OF ALL NECESSARY SIGNAGE, DELINEATORS, MARKERS AND BARRIERS.
- 12. DO NOT ALTER GRADING OF THE SITE WITHOUT PRIOR APPROVAL OF THE CITY OR TOWNSHIP.
- 13. ALL ROADWAY, PARKING LOT, AND GRADING WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH CITY OR TOWNSHIP STANDARDS AND SPECIFICATIONS. THE SITEWORK TRADE CONTRACTOR IS TO PROVIDE POSITIVE DRAINAGE AWAY FROM THE BUILDING
- AREAS PRIOR TO PLACEMENT OF ASPHALT AND TOPSOIL. ALL DEFICIENCIES NOTED SHALL BE RECTIFIED TO THE TOWNSHIP'S SATISFACTION PRIOR TO PLACEMENT OF ANY ASPHALT, TOPSOIL, SEED & MULCH AND/OR SOD.
- 15. ALL DIMENSIONS AND INVERTS MUST BE VERIFIED PRIOR TO CONSTRUCTION, IF THERE IS ANY DISCREPANCY THE TRADE CONTRACTOR IS TO NOTIFY THE ENGINEER PROMPTLY.

14. CONTACT THE TOWNSHIP FOR INSPECTION OF ROUGH GRADING OF PARKING LOTS, ROADWAYS AND LANDSCAPED

- 16. HYDRO, GAS, TELEPHONE AND TELEVISION SERVICE LOCATIONS SUBJECT TO THE APPROVAL AGENCY: • ELECTRICAL SERVICE -
 - TELEPHONE SERVICE BELL CANADA, • GAS SERVICE - ENBRIDGE
 - TELEPHONE SERVICE BELL CANADA, TELEVISION SERVICE - ROGERS.
- 17. INSTALLATION TO BE IN ACCORDANCE WITH CURRENT CODES AND STANDARDS OF APPROVAL AGENCIES BELL, HYDRO AND THE CITY OR TOWNSHIP.
- 18. ALL PROPOSED CURB SHALL BE CONCRETE BARRIER CURB UNLESS SPECIFIED.

TRAPS. NO RECYCLED GEOSOCK MATERIAL SHALL BE PERMITTED FOR USE ON SITE.

- 19. ALL EXISTING REDUNDANT PRIVATE APPROACHES FRONTING THIS DEVELOPMENT MUST BE REMOVED TO THE SATISFACTION OF THE CITY OR TOWNSHIP.
- 20. THIS PLAN MUST BE READ IN CONJUNCTION WITH GEOTECHNICAL REPORT BY PATERSON GROUP INC. DATED JULY 7TH, 2017. AND SITE SERVICING REPORT BY MP REPORT # CP-17-0305 DATED, APRIL, 2019. **EROSION AND SEDIMENT CONTROL**
- . THE SITEWORK TRADE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES, TO PROVIDE FOR PROTECTION OF THE AREA DRAINAGE SYSTEM AND THE RECEIVING WATERCOURSE, DURING CONSTRUCTION ACTIVITIES AS PER THE SITE SERVICING REPORT. THIS INCLUDES LIMITING THE AMOUNT OF EXPOSED SOIL, TEMPORARY SEDIMENT CONTROL (GEOSOCK INSERTS WITH AN OVERFLOW UNDER GRATE OR COVER) TO BE IMPLEMENTED DURING CONSTRUCTION ON ALL PROPOSED ROAD CATCHBASINS, REARYARD CATCHBASINS AND CATCHBASIN MANHOLES AND OTHER SEDIMENT
- 2. AT THE DISCRETION OF THE CONSTRUCTION MANAGER OR MUNICIPAL STAFF, ADDITIONAL SILT CONTROL DEVICES SHALL BE INSTALLED AT DESIGNATED LOCATIONS.
- 3. FOR SILT FENCE BARRIER, USE OPSD 219.110. GEOTEXTILE FOR SILT FENCE AS PER OPSS 1860, TABLE 3.
- 4. EXCEPT AS PROVIDED IN PARAGRAPHS 4.1., and 4.2. BELOW, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS FEASIBLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY HAS TEMPORARILY OR PERMANENTLY
- 4.1. WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASE IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS FEASIBLE.
- 4.2. WHERE CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN 21 DAYS FROM WHEN ACTIVITIES CEASED, (E.G. THE TOTAL TIME PERIOD THAT CONSTRUCTION ACTIVITY IS TEMPORARILY CEASED IS LESS THAN 21 DAYS) THEN STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF SITE BY THE 14TH DAY AFTÉR CONSTRUCTION ACTIVITY TEMPORARILY CEASED.
- SEDIMENT THAT IS ACCUMULATED BY THE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED IN A MANNER THAT AVOIDS ESCAPE OF THE SEDIMENT TO THE DOWNSTREAM SIDE OF THE CONTROL MEASURE AND AVOIDS DAMAGE TO THE CONTROL MEASURE. SEDIMENT SHALL BE REMOVED TO THE LEVEL OF THE GRADE EXISTING AT THE TIME THE CONTROL MEASURE WAS CONSTRUCTED AND BE ACCORDING TO THE FOLLOWING: 5.1. FOR LIGHT-DUTY SEDIMENT BARRIERS, ACCUMULATED SEDIMENT SHALL BE REMOVED ONCE IT REACHES THE
- LESSER OF THE FOLLOWING: A DEPTH OF ONE-HALF THE EFFECTIVE HEIGHT OF THE CONTROL MEASURE. A DEPTH OF 300 MM IMMEDIATELY UPSTREAM OF THE CONTROL MEASURE.
- 5.2. FOR ALL CONTROL MEASURES, ACCUMULATED SEDIMENT SHALL BE REMOVED AS NECESSARY TO PERFORM ACCUMULATED SEDIMENT SHALL BE REMOVED PRIOR TO THE REMOVAL OF THE CONTROL MEASURE.
- ACCUMULATED SEDIMENT IS TO BE REMOVED AND DISPOSED OF AS PER OPSS 180 6. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MONITORED TO ENSURE THEY ARE IN
- FORECAST STORM EVENT AND FOLLOWING A STORM EVENT. 7. DUST CONTROL MEASURES SHOULD BE CONSIDERED PRIOR TO CLEARING AND GRADING. THE USE OF WATER, CALCIUM CHLORIDE FLAKES/SOLUTION OR MAGNESIUM CHLORIDE FLAKES/SOLUTION SHALL BE USED AS DUST SUPPRESSANTS AS PER OPSS 506. THIS IS TO LIMIT WIND EROSION OF SOILS WHICH MAY TRANSPORT SEDIMENTS OFFSITE, WHERE THEY

EFFECTIVE WORKING ORDER. THE CONDITION OF THE CONTROL MEASURES SHALL BE MONITORED PRIOR TO ANY

- MAY BE WASHED INTO THE RECEIVING WATER BY THE NEXT RAINSTORM. 8. ALL 'GREEN AREAS' TO BE TREATED WITH 150mm TOPSOIL AND SOD AS SOON AS FEASIBLE, AS PER OPSS 570.
- 9. TOPSOIL TO BE STRIPPED AND STOCKPILED FOR REHABILITATION. CLEAN FILL TO BE PLACED IN FILL AREAS AND
- COMPACTED TO 95% STANDARD PROCTOR DENSITY. 10. ALL DISTURBED AREAS TO BE RESTORED TO ORIGINAL CONDITION OR BETTER UNLESS OTHERWISE SPECIFIED.
- 11. IF REQUIRED, DEWATERING/SETTLING BASINS SHALL BE CONSTRUCTED AS PER OPSD 219.240 AND LOCATED ON FLAT GRADE UPSTREAM OF OTHER EXISTING MITIGATION MEASURES. WATERCOURSES SHALL NOT BE DIVERTED. OR BLOCKED, AND TEMPORARY WATERCOURSES CROSSINGS SHALL NOT BE CONSTRUCTED OR UTILIZED, UNLESS OTHERWISE SPECIFIED IN THE CONTRACT. IF CLOSURE OF ANY PERMANENT WATER PASSAGE IS NECESSARY, THE CONTRACTOR SHALL RELEASE ANY STRANDED FISH TO THE OPEN PORTION OF THE WATERCOURSE WITHOUT HARM.
- 12. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL CONFORM TO OPSS 577
- 13. WHERE DEWATERING IS REQUIRED, THE DISCHARGED WATER SHALL BE CONTROLLED IN ACCORDANCE WITH OPSS 518.
- 14. ALL SETTLING/FILTRATION BASINS SHALL BE EQUIPPED WITH TERRAFIX 270R GEOTEXTILE (OR APPROVED EQUIVALENT) AND SHALL BE CLEANED AND REPLACED AS REQUIRED.

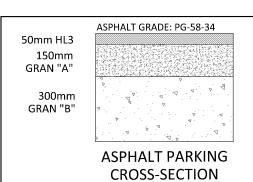
						STANDARD DRAWINGS
						No.
						R25
						R10
						SC1.1
						SC2
					1	SC4
SAN STRUCTURE TABLE					john wu	SC5
						SC7.1
NANAE	DINA ELEV	IND/EDT IN	INIVERT OUT	DESCRIPTION	/	S11.4
NAME	RIM ELEV.	INVERT IN	INVERT OUT	DESCRIPTION		S29
				OPSD 701.010		S30
MH1A	68 67	S66 188	N64 720	COVER OPSD 401.050		

					(WATER TIGHT)				
STM STRUCTURE TABLE									
NAME	RIM ELEV.	INVERT IN	INVERT OU	т	DESCRIPTION				
CBMH#1	68.31	E66.805	W66.754		OPSD 701.010 FRAME S25 COVER S24.1				
DICB#1	SEE PLAN		N65.265		CH INLET CATCH BASIN OPSD 705.030 YDROVEX 150VHV-2				
ECB#1	68.69		W67.700		S31				
í	1	ı	I	1					

S30

ECB#2 68.10

E67.680



GRAN "A" 350mm GRAN "B" **HEAVY DUTY** PAVEMENT

40mm HL3

40mm HL8

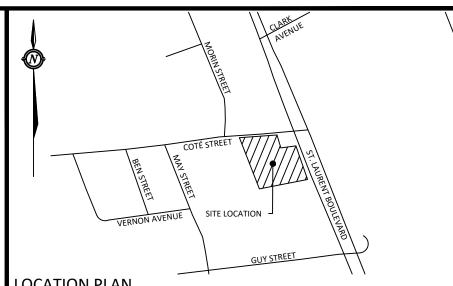
150mm

SCHEDULE OF CITY OF OTTAWA

PHALT GRADE: PG-58-34

CROSS-SECTION

NOT TO SCALE ASPHALT CROSS-SECTIONS TO CONFORM WITH THE SECTION X.X OF THE GEOTECHNICAL REPORT COMPLETED BY PATERSON GROUP INC. DATED JULY 7, 2017.



LOCATION PLAN

LEGEND BARRIER CURB **CURB DEPRESSION** HEAVY DUTY ASPHALT

ASPHALT RAMP AND/OR WALKWAY CONCRETE RAMP AND/OR WALKWAY

SWALE CENTERLINE TERRACING @ 3:1 SLOPE UNLESS SPECIFIED

STORM MANHOLE

CATCH BASIN MANHOLE CATCH BASIN OR DITCH INLET LANDSCAPE CATCH BASIN

PERFORATED SUBDRAIN SANITARY MANHOLE TYPICAL GRADE

×73.21 B/W BOTTOM OF WALL GRADE ×73.21(S) SWALE GRADE T/G 73.21 TOP OF GRATE GRADE

 \times EX.73.21 EXISTING GRADE (NOT SHOWN ON SURVEY) **OVERLAND FLOW ROUTE**

100yr PONDING 5yr PONDING **76.16** GRADE MARKER

SILT FENCE OVERLAND STORM DRAINAGE ARROW

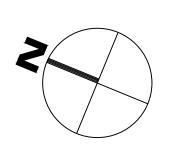
REISSUED FOR SITE PLAN APPROVAL APR. 05, 2019 REVISED AS PER CITY COMMENTS JAN. 18, 2019 ISSUED FOR BUILDING PERMIT JUL. 31, 2018 REVISED AS PER CITY COMMENTS JUL. 18, 2018 ISSUED FOR COORDINATION JUN. 12, 2018 ISSUED FOR REVIEW OCT. 19, 2017

Date Revision/Issue SCALE 1:250 25 Metres

Do not scale drawing efore proceeding with the work

McINTOSH PERRY 115 Walgreen Road, RR3, Carp, ON KOA 1L0 Tel: 613-836-2184 Fax: 613-836-3742

www.mcintoshperry.com



R. P. KENNEDY

ONTARIO

PROJECT 1 STUDIO INC. 300-260 ST. PATRICK STREET, OTTAWA, ON K1N 5K5

776 ST. LAURENT BOULEVARD

PROPOSED 10 STOREY RESIDENTIAL BLDG

LOT GRADING, DRAINAGE, SEDIMENT & EROSION CONTROL PLAN

Project Number: 1:250 CP-17-0305 Drawn by: SVL Checked By: CJM/RPK Drawing Number: CDH C101 SHEET 2 of 3 AUG 15/17

FOR REVIEW ONLY **NOT FOR CONSTRUCTION**

By Jamesdo at 11:36 am, May 31, 2019

DOUGLAS JAMES, MCIP, RPP MANAGER, DEVELOPMENT REVIEW - CENTRAL

APPROVED

PLANNING, INFRASTRUCTURE & ECONOMIC

DEVEVELOPMENT DEPARTMENT, CITY OF OTTAWA