

ICD TABLE							
ICD #	Qr (L/s)	Outlet Diameter (mm)	Outlet Invert Elev.	Top of Grate Elev.	Max Ponding Elev.	Design Head (m)	Hydrovex
MH 530 - ICD 53	74.0	525	103.03	107.45	107.30	4.20	CUSTOM ICD (131mm)
CB 552 - ICD 52	4.0	200	104.75	107.05	107.35	2.80	50 VHV-1
CBMH 571 - ICD 71	18.0	250	103.48	107.00	107.30	3.79	CUSTOM ICD (66mm)
CB572 - ICD 72	4.0	200	103.76	107.30	107.25	3.49	50 VHV-1
CB 580 - ICD 80	13.0	200	105.05	107.25	107.41	2.36	100 VHV-1
ROOF DRAIN TABLE							
ROOF TOP DRAIN: STANDARD ZURN MODEL Z-105-5 CONTROL-FLO SINGLE NOTCH ROOF DRAIN							
BUILDING	No. OF ROOF DRAINS REQUIRED	RELEASE RATE PER DRAIN (L/S)	MAXIMUM RELEASE RATE (L/S)	ROOFTOP STORAGE REQUIREMENT			
				1:2 YEAR (m³)	1:100 YEAR (m³)		
BUILDING B	6	1.29	7.74	6.31	29.74		
BUILDING C	5	1.29	6.45	6.35	28.59		
BUILDING D	6	1.29	7.74	5.21	25.42		

GENERAL CONSTRUCTION NOTES :

- ALL MATERIAL (SANITARY, STORM & WATERMAIN) AND CONSTRUCTION METHODS TO BE IN ACCORDANCE WITH THE CURRENT CITY OF OTTAWA, OPSD, OPSS AND STANDARD DRAWINGS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING LOCATES FROM ALL UTILITY COMPANIES TO LOCATE EXISTING UTILITIES PRIOR TO EXCAVATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXCAVATION, BACKFILL, REINSTATEMENT OF ALL AREAS DISTURBED DURING CONSTRUCTION AND ALL ASSOCIATED WORKS TO THE SATISFACTION OF THE ENGINEER AND CITY OF OTTAWA.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO DETERMINE, VIA EXCAVATION, THE EXACT LOCATION AND ELEVATION OF THE EXISTING WATERMANS, SEWERS AND UNDERGROUND STRUCTURES AS REQUIRED FOR ALL CONNECTIONS, RELOCATIONS AND BLANKINGS.
- ALL WATERMANS SHALL CONFORM TO THE LATEST REVISIONS OF THE CITY OF OTTAWA AND THE ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD) AND SPECIFICATIONS (OPSS).
- WATERMANS CROSSING BELOW OR OVER A SEWER SHALL BE IN ACCORDANCE WITH CITY STANDARD DRAWING W25 AND W25.2.
- PROVIDE A MINIMUM OF 24" COVER ON ALL WATERMANS AND WATER SERVICES, OTHERWISE PROVIDE THERMAL INSULATION AS PER CITY STANDARD DRAWING W22 (IN SHALLOW TRENCHES) AND W23 (AT OPEN STRUCTURES).
- WATERMAIN THRUST BLOCKS TO BE CONSTRUCTED PER CITY OF OTTAWA DETAILS W25.3 AND W25.4. THRUST BLOCKS ARE REQUIRED AT ALL BENDS, TEES, PLUGS, DEAD END CAPS, VALVES, REDUCERS OR OTHER FITTINGS WHERE CHANGES OCCUR IN PIPE DIAMETER OR DIRECTION ALL IN ACCORDANCE WITH CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS.
- AT ALL CONNECTION POINTS, REINSTATE SURFACES TO EXISTING CONDITION OR BETTER.
- ASPHALT RESTORATION SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD DRAWING No. R10.
- THICKNESS OF GRANULARS AND ASPHALT LAYERS SHALL MATCH EXISTING SLOUVEARDS SHALL BE REINSTEATED WITH 100mm TOPSOIL AND SOD.
- SANITARY AND STORM SEWERS EQUAL OR LESS THAN 300mmØ SHALL BE PVC DR-35. STORM SEWERS GREATER THAN 300mmØ TO BE 100% R.C.
- SANITARY AND STORM SERVICE LATERALS TO BUILDINGS TO BE PVC DR-28. WATERMANS TO BE PVC DR-18.
- ALL STORM & SANITARY MAINTENANCE HOLES TO BE c/w FRAME AND COVERS AS PER CITY STANDARD DRAWINGS 24 AND 24.1. SANITARY AND STORM MAINTENANCE HOLES TO HAVE WATERTIGHT COVERS AS PER OPSD 401.030.
- ALL CATCH BASIN MAINTENANCE HOLES TO BE c/w FRAME AND COVERS AS PER CITY STANDARD DRAWING S28 AND S28.1.
- ALL STREET CATCH BASINS TO BE 600x600mm PRECAST CONCRETE PER OPSD 705.010 c/w FRAME AND COVER AS PER CITY STANDARD DRAWING S19.
- CATCH BASINS FOR LANDSCAPED APPLICATIONS TO BE IN ACCORDANCE WITH CITY STANDARD DETAIL S31.
- SERVICES TO BE TERMINATED 1.0m FROM BUILDING WALL (TYPICAL).
- CONCRETE CURB TO BE BARRIER TYPE AS PER CITY STANDARD DRAWING SC1.1.
- CONCRETE SIDEWALKS AND WALKWAYS TO BE CONSTRUCTED AS PER CITY OF OTTAWA DETAIL SC2 (OR SC1.4) AND SC4.
- ASPHALT PATHWAY TO BE IN ACCORDANCE WITH CITY STANDARD DETAIL SC20.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THAT THE SITE BENCHMARK(S) HAS NOT BEEN ALTERED OR DISTURBED AND THAT ITS RELATIVE ELEVATION AND DESCRIPTION AGREES WITH THE INFORMATION DEPICTED ON THIS PLAN.
- EXCAVATION FOR THE INSTALLATION OF SERVICES ALONG OR IN PROXIMITY OF A BUILDING OR A STRUCTURE IS TO BE CONTAINED WITHIN A TRENCH BOX WIDTH AND IS TO ENSURE NO CONFLICT WITH ANY FUTURE FOOTINGS. SELECT SUBGRADE MATERIAL, COMPACTED TO 100% SPD TO 1.0m BELOW EXISTING GRADE FOR FULL TRENCH WIDTH OF DISTURBED AREA. SHALL BE USED FOR BACKFILL, INCLUDING ALONG ANY SEWERS AND WATERMANS ADJACENT TO A BUILDING OR OTHER STRUCTURE.
- HYDRANT SHALL BE INSTALLED AS PER CITY STANDARD DRAWING W19.
- MATCH EXISTING ELEVATIONS AT PROPERTY LIMITS. ENSURE POSITIVE DRAINAGE TOWARD A SUITABLE OUTLET WHETHER EXISTING OR NOT.
- ROAD STRUCTURE TO BE CONSTRUCTED IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEERS RECOMMENDATIONS. REFER TO ASPHALT NOTES.
- ALL WATER DISTRIBUTION INFRASTRUCTURE TO BE PROVIDED WITH CATHODIC CORROSION PROTECTION AS PER CITY STANDARD W40.
- USE OF EXPLOSIVES TO BE IN ACCORDANCE WITH OPSS-PROV 120.
- ALL GROUNDWATER PUMPED FROM THE SITE TO BE METERED AND A PERMIT TO TAKE WATER OBTAINED AS APPLICABLE.

WATERMAIN TABLE-Sta. 1+000.00 TO 1+152.03				
PVC DR-18 CL 150				
SIZE	STATION ALONG WM	DETAIL	FINISHED GRADE	TOP OF WM
200mmØ	1+000	200 x 400 TEE CONNECTION TO EXISTING	107.22	104.82
	1+009.47	WM CROSSING OVER STORM	107.15	104.75
	1+014.50	WM CROSSING OVER STORM	107.14	104.74
	1+020.32	VALVE BOX	107.42	105.02
	1+020.62	PROPERTY LINE	107.42	105.02
	1+030.00		107.16	104.76
	1+040.39	5" HORIZONTAL BEND	107.04	104.64
	1+043.19	WM CROSSING OVER CB LEAD	107.02	104.62
	1+050.00		107.10	104.70
	1+060.92	200x150 REDUCER	107.28	104.88
	1+065.30	WM CROSSING OVER STORM	107.32	104.92
	1+065.36	45° VERTICAL BEND	107.33	104.93
	1+065.90	45° VERTICAL BEND	107.33	105.92
	1+067.00	WM CROSSING OVER SAN	107.35	105.92
	1+068.10	45° VERTICAL BEND	107.34	105.92
	1+068.44	45° VERTICAL BEND	107.34	104.88
	1+070.00	150 x 150 TEE	107.28	104.88
	1+076.69	WM CROSSING OVER CB LEAD	107.07	104.67
	1+080.00		107.15	104.79
	1+081.63	22.5° HORIZONTAL BEND	107.17	104.77
	1+086.35	5" HORIZONTAL BEND	107.29	104.89
	1+090.46	150 x 150 TEE	107.45	105.06
	1+100.00		107.31	104.91
	1+109.16	HYDRANT, VALVE & VB	107.27	104.87
	1+110.00		107.28	104.88
	1+120.00		107.31	104.91
	1+124.81	WM CROSSING OVER CB LEAD	107.29	104.89
	1+130.00		107.25	104.85
	1+138.68	22.5° HORIZONTAL BEND	107.21	104.81
	1+140.68	11.25° HORIZONTAL BEND	107.22	104.82
	1+147.85	150 x 150 TEE	107.41	104.81
	1+149.85	VALVE & VALVE BOX	107.59	105.19
	1+152.03	CONNECTION @ BUILDING B	107.85	105.25

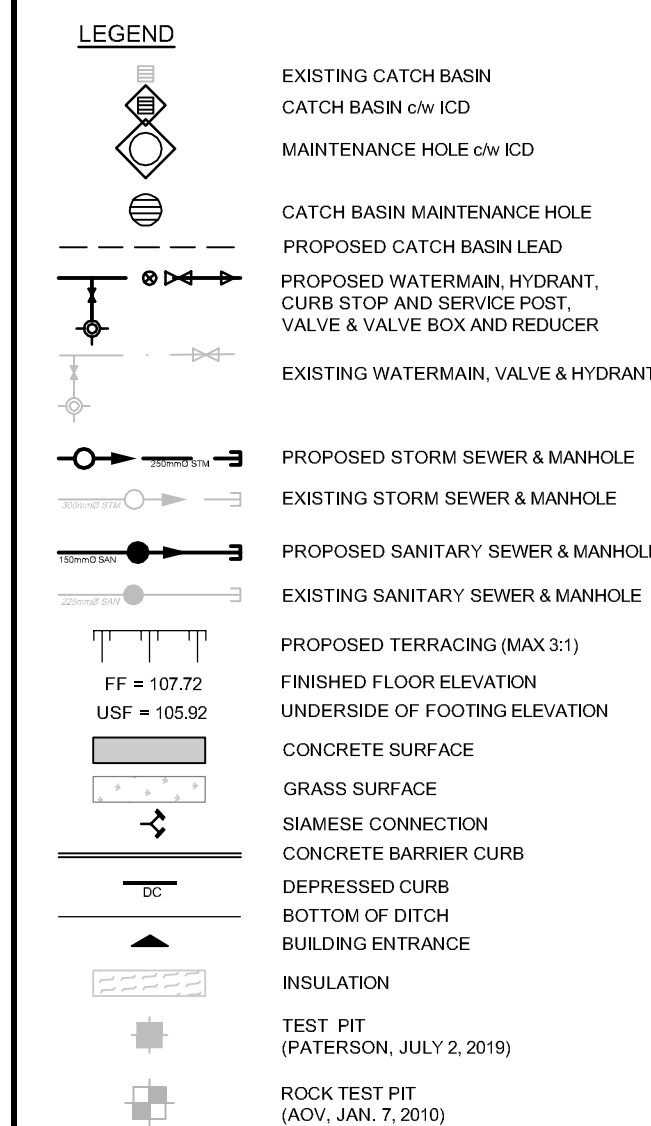
WATERMAIN TABLE-Sta. 2+000.00 TO 2+120.75				
PVC DR-18 CL 150				
SIZE	STATION ALONG WM	DETAIL	FINISHED GRADE	TOP OF WM
150mmØ	2+000.00	150 x 150 TEE	107.28	104.88
	2+008.97	WM CROSSING OVER CB LEAD	107.22	104.82
	2+010.00		107.23	104.83
	2+017.28	150 x 90 TEE	107.48	105.08
	2+020.00		107.32	104.93
	2+027.24	WM CROSSING OVER CB LEAD	107.33	104.82
	2+030.00		107.34	104.94
	2+040.00		107.35	104.95
	2+050.27	45° HORIZONTAL BEND	107.47	105.07
	2+052.72	45° HORIZONTAL BEND	107.47	105.07
	2+059.86	150 x 150 TEE	107.39	104.99
	2+060.00		107.39	104.99
	2+065.00	WM CROSSING OVER CB LEAD	107.33	105.11
	2+070.00		107.45	105.08
	2+080.00		107.44	105.04
	2+085.90	22.5° HORIZONTAL BEND	107.36	104.96
	2+090.00		107.38	104.98
	2+096.92	WM CROSSING OVER STM	107.53	105.13
	2+100.00		107.47	105.07
	2+110.00		107.42	105.02
	2+120.00		107.41	105.01
	2+120.75	150 x 150 TEE	107.41	105.01

WATERMAIN TABLE-Sta. 3+000.00 TO 3+058.00				
PVC DR-18 CL 150				
SIZE	STATION ALONG WM	DETAIL	FINISHED GRADE	TOP OF WM
150mmØ	3+000.00	150 x 150 TEE	107.39	104.99
	3+004.00	CURB STOP AND SERVICE POST	107.48	105.08
	3+006.25	WM CROSSING OVER CB LEAD	107.59	105.19
	3+010.00		107.63	105.23
	3+020.00		107.74	105.34
	3+025.93	45° HORIZONTAL BEND	107.77	105.37
	3+030.00		107.91	105.51
	3+031.18	45° HORIZONTAL BEND	107.89	105.48
	3+040.00		107.93	105.53
	3+050.00		107.95	105.55
	3+054.43	45° HORIZONTAL BEND	107.97	105.57
	3+057.00	45° HORIZONTAL BEND	107.99	105.59
	3+058.00	CONNECTION @ BUILDING A	108.00	105.60

WATERMAIN TABLE-Sta. 4+000.00 TO 4+028.49				
PVC DR-18 CL 150				
SIZE	STATION ALONG WM	DETAIL	FINISHED GRADE	TOP OF WM
150mmØ	4+000.00	150 x 150 TEE	107.45	105.05
	4+001.00	VALVE & VALVE BOX	107.43	105.03
	4+001.59	45° VERTICAL BEND	107.42	105.02
	4+001.90	45° VERTICAL BEND	107.42	105.36
	4+003.00	WM CROSSING OVER SAN	107.29	105.36
	4+004.10	45° VERTICAL BEND	107.31	105.36
	4+004.51	45° VERTICAL BEND	107.32	104.92
	4+005.00	WM CROSSING OVER STORM	107.34	104.94
	4+010.00		107.31	104.91
	4+020.00		107.50	105.10
	4+028.49	CONNECTION @ BUILDING C	107.57	105.20

WATERMAIN TABLE-Sta. 5+000.00 TO 5+033.32				
PVC DR-18 CL 150				
SIZE	STATION ALONG WM	DETAIL	FINISHED GRADE	TOP OF WM
150mmØ	5+000.00	150 x 150 TEE	107.28	104.88
	5+001.00	VALVE & VALVE BOX	107.29	104.85
	5+001.69	45° VERTICAL BEND	107.25	104.85
	5+001.90	45° VERTICAL BEND	107.25	105.92
	5+003.00	WM CROSSING OVER SAN	107.31	105.92
	5+004.10	45° VERTICAL BEND	107.32	105.92
	5+004.44	45° VERTICAL BEND	107.32	104.92
	5+004.50	WM CROSSING OVER ST	107.35	104.95
	5+010.00		107.46	105.06
	5+020.00		107.43	105.03
	5+029.97	45° HORIZONTAL BEND	107.38	104.98
	5+032.54	45° HORIZONTAL BEND	107.55	105.15
	5+033.32	CONNECTION @ BUILDING D	107.57	105.17

WATERMAIN TABLE-Sta. 6+000.00 TO 6+028.97				
PVC DR-18 CL 50				
SIZE	STATION ALONG WM	DETAIL	FINISHED GRADE	TOP OF WM
50mmØ	6+000.00	50 x 150 TEE	107.48	105.08
	6+001.00	CURB STOP AND SERVICE POST	107.43	105.03
	6+001.36	45° VERTICAL BEND	107.44	105.04
	6+001.90	45° VERTICAL BEND	107.37	105.07
	6+003.00	WM CROSSING OVER SAN	107.36	105.07
	6+004.10	45° VERTICAL BEND	107.37	105.07
	6+004.70	45° VERTICAL BEND	107.37	107.97
	6+005.00	WM CROSSING OVER STORM	107.37	104.97
	6+010.00		107.43	105.03
	6+020.00		107.46	105.06
	6+026.69	45° HORIZONTAL BEND	107.46	105.06
	6+028.19	45° HORIZONTAL BEND	107.50	105.10
	6+028.97	CONNECTION @ BUILDING E	107.52	105.12



No.	ISSUE / REVISION	DD/MY/YY
6	ISSUED FOR SITE PLAN REVISION	13/02/20
5	ISSUED FOR CONSTRUCTION / REVISED SITE PLAN	22/01/20
4	ISSUED FOR CONSTRUCTION	16/01/20
3	ISSUED FOR TENDER / SITE PLAN SUBMISSION	31/10/19
2	ISSUED FOR SITE PLAN SUBMISSION	08/03/19

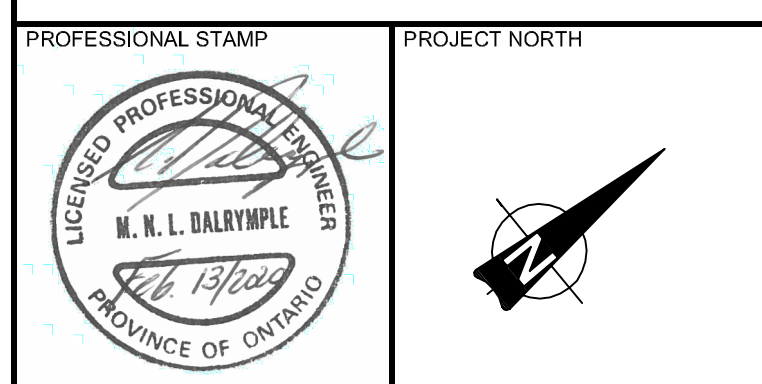
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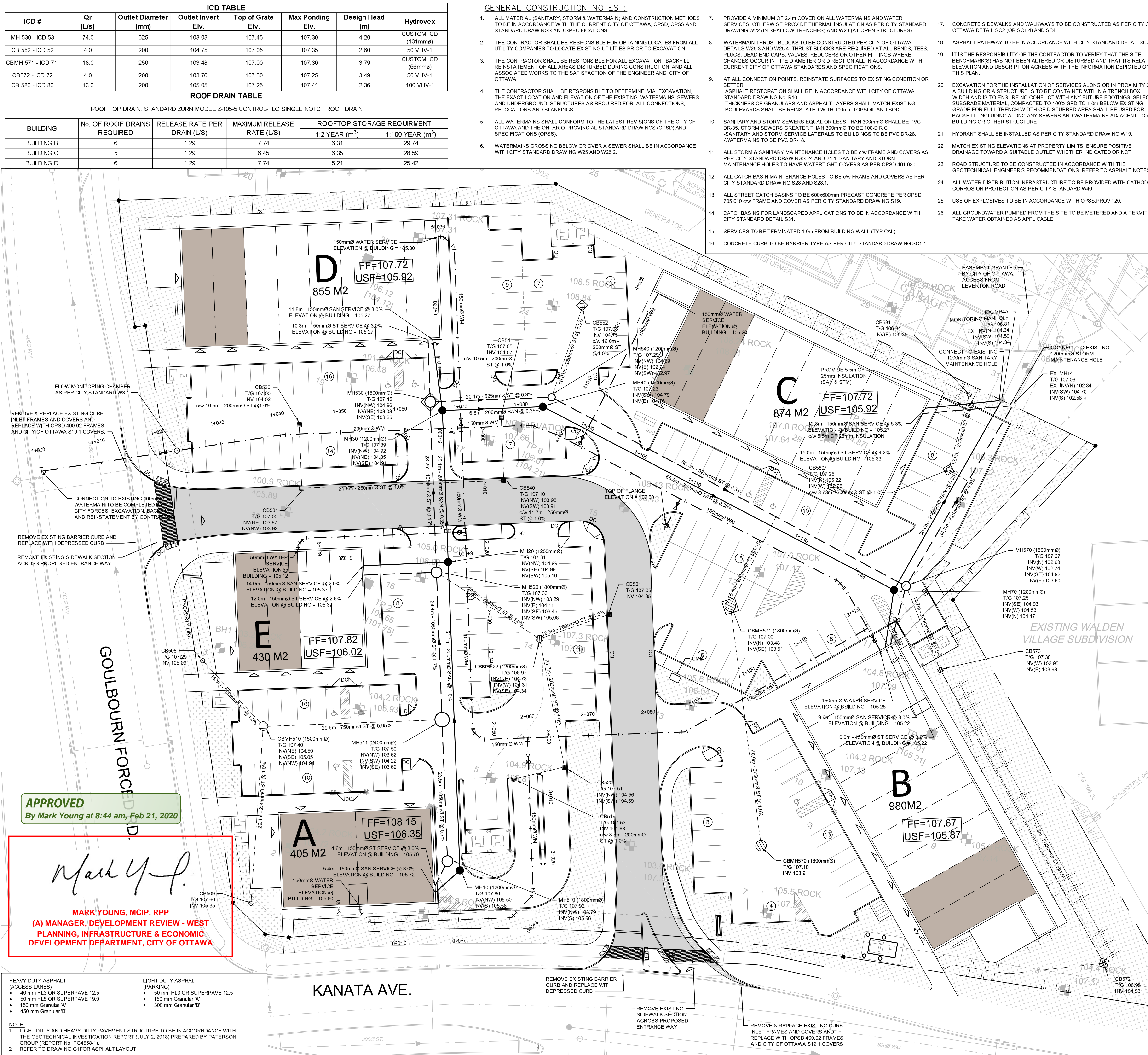
PROJECT: COMMERCIAL PLAZA

5100 KANATA AVE.

DRAWING:

SITE SERVICING PLAN

DESIGN: JW	DRAWING #:
DRAWN: CJM	
CHECKED: HM	
JLR #: 23405-003.1	S1





- HEAVY DUTY ASPHALT (ACCESS LANES)
- 40 mm HL3 OR SUPERPAVE 12.5
 - 50 mm HL3 OR SUPERPAVE 19.0
 - 150 mm Granular 'A'
 - 450 mm Granular 'B'
- LIGHT DUTY ASPHALT (PARKING)
- 50 mm HL3 OR SUPERPAVE 12.5
 - 150 mm Granular 'A'
 - 300 mm Granular 'B'
- NOTE: LIGHT DUTY AND HEAVY DUTY PAVEMENT STRUCTURE TO BE IN ACCORDANCE WITH THE GEOTECHNICAL INVESTIGATION REPORT (JULY 2, 2018) PREPARED BY PATERSON GROUP (REPORT No. PG4558-1).



- LEGEND
- PROPOSED ELEVATION
 - EXISTING ELEVATION
 - ORIGINAL SURVEY
 - JLR SURVEY
 - PROPOSED TERRACING (MAX 3:1)
 - SURFACE SLOPE
 - FLOW DIRECTION
 - EMERGENCY OVERLAND FLOW DIRECTION (> 1:100 YR)
 - FINISHED FLOOR ELEVATION
 - CONCRETE BARRIER CURB
 - DEPRESSED CURB
 - BOTTOM OF DITCH
 - BUILDING ENTRANCE
 - EXISTING ROCK ELEVATION
 - ORIGINAL GROUND ELEVATION
 - ROCK TEST PIT (AOV, JAN. 7, 2010)
 - ORIGINAL GROUND ELEVATION
 - EXISTING ROCK ELEVATION
 - TEST PIT (PATERSON REPORT PG4558-1 JULY 2, 2018)


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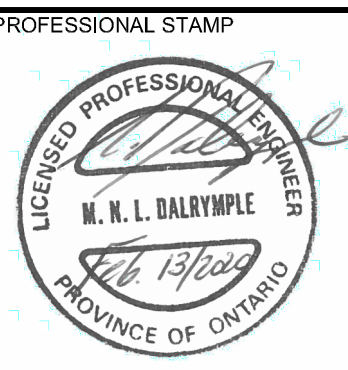
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Fax: 613 731 9226

CONSULTANT:

 **J.L. Richards**
ENGINEERS - ARCHITECTS - PLANNERS

CONSULTANT:

 **M. N. L. DALRYMPLE**
PROVINCE OF ONTARIO

PROJECT:

COMMERCIAL PLAZA

5100 KANATA AVE.

DRAWING:

GRADING PLAN

DESIGN: JW

DRAWN: CJM

CHECKED: HM

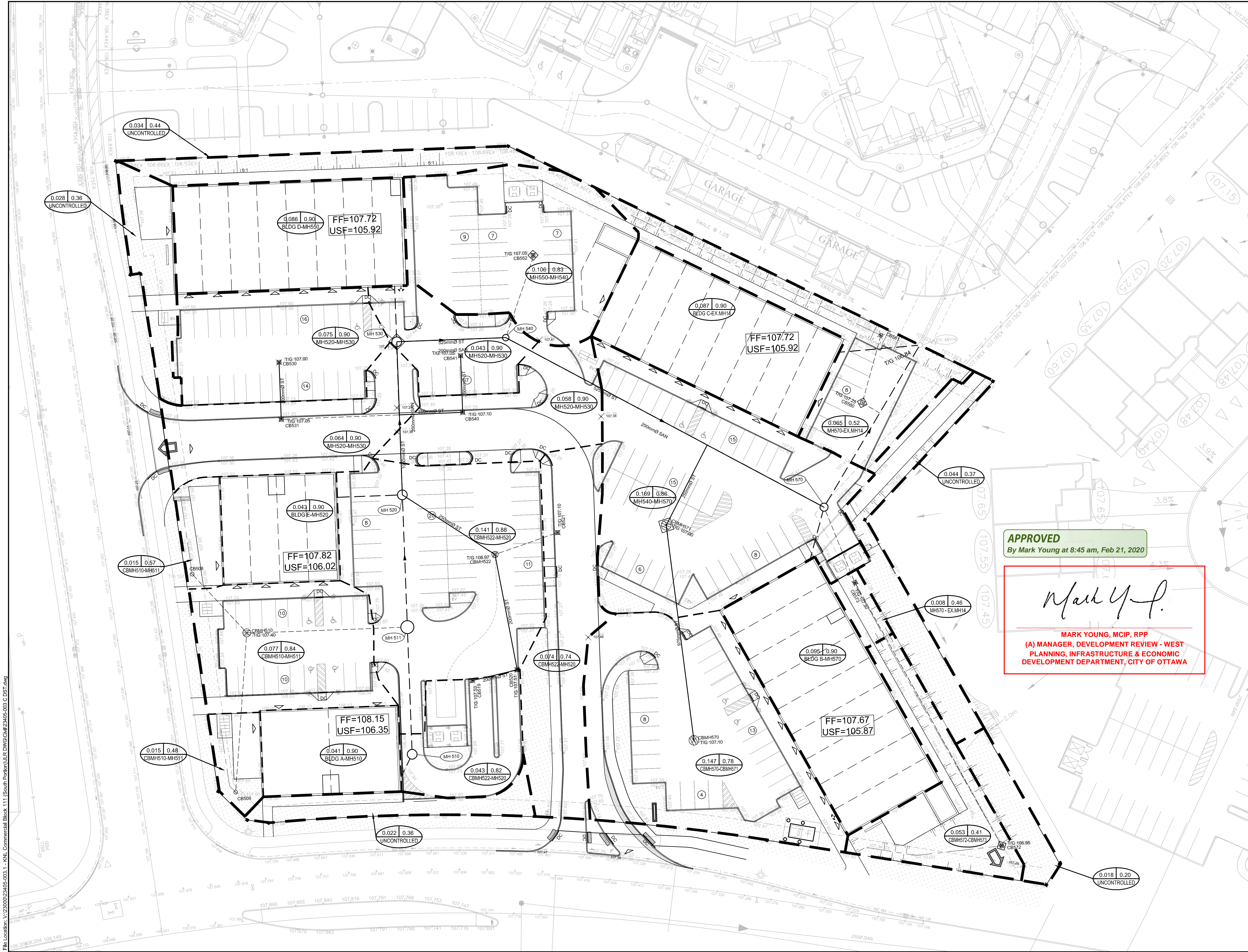
JLR #: 23405-003.1

DRAWING #: **G1**

APPROVED
By Mark Young at 8:45 am, Feb 21, 2020

Mark Y. P.

MARK YOUNG, MCIP, RPP
(A) MANAGER, DEVELOPMENT REVIEW - WEST
PLANNING, INFRASTRUCTURE & ECONOMIC
DEVELOPMENT DEPARTMENT, CITY OF OTTAWA



LEGEND	
	AREA IN HECTARES
	RUNOFF COEFFICIENT (1:2 YEAR)
	TRIBUTARY PIPE REACH
	EXISTING CATCH BASIN
	CATCH BASIN c/w ICD
	MAINTENANCE HOLE c/w ICD
	CATCH BASIN MAINTENANCE HOLE
	PROPOSED CATCH BASIN LEAD
	PROPOSED STORM SEWER & MANHOLE
	EXISTING STORM SEWER & MANHOLE
	PROPOSED TERRACING (MAX 3:1)
	FINISHED FLOOR ELEVATION
	CONCRETE SURFACE
	GRASS SURFACE
	SIAMESE CONNECTION
	CONCRETE BARRIER CURB
	DEPRESSED CURB
	BOTTOM OF DITCH
	EMERGENCY OVERLAND FLOW DIRECTION (> 1:100YR)

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CONSULTANT:

J.L. Richards
ENGINEERS - ARCHITECTS - PLANNERS

CONSULTANT:

PROFESSIONAL STAMP

PROJECT NORTH

PROJECT:

COMMERCIAL PLAZA

5100 KANATA AVE.

DRAWING:

STORM DRAINAGE PLAN

DESIGN: JW

DRAWN: C.JM

CHECKED: HM

JLR #: 23405-003.1

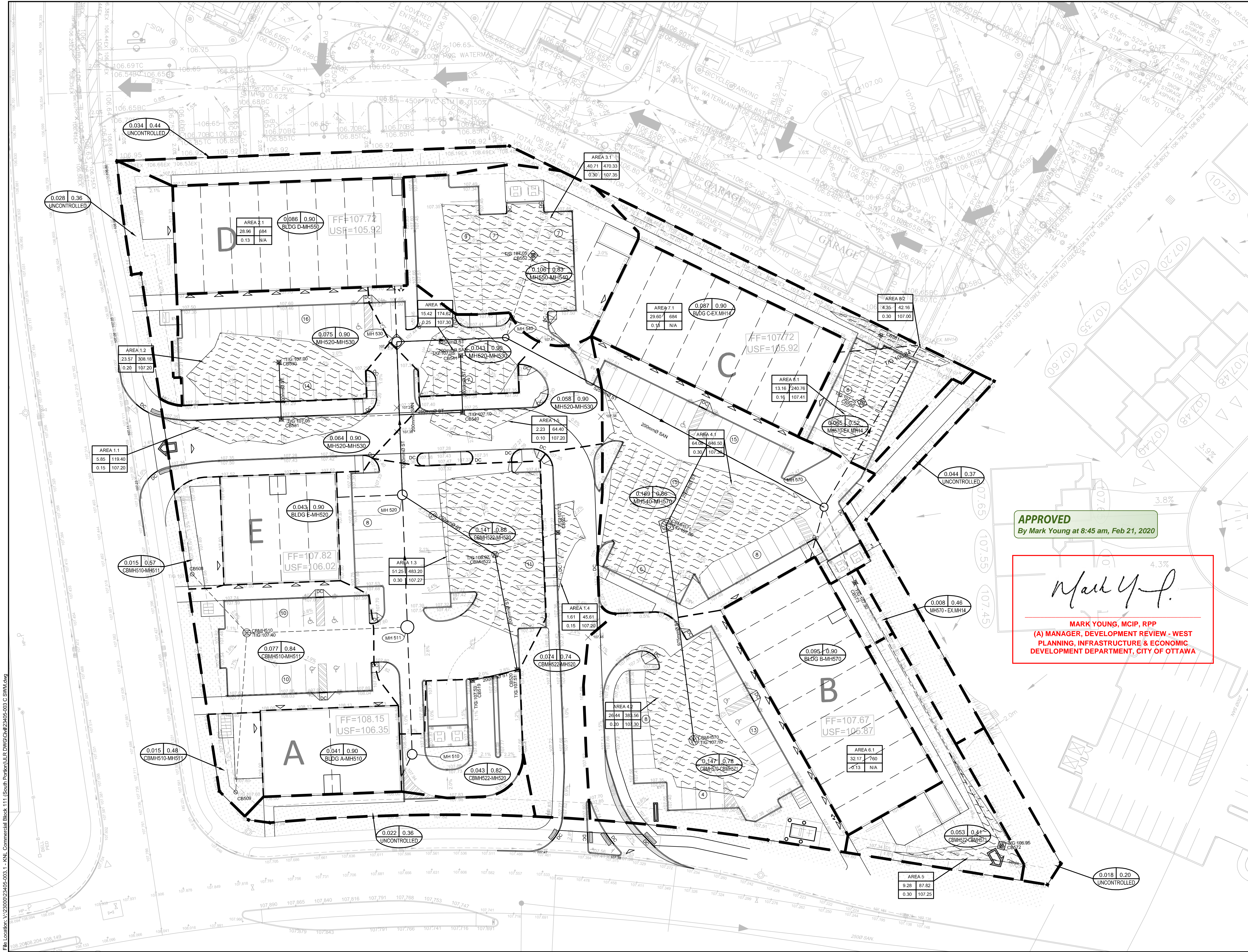
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Mark Y.P.

MARK YOUNG, MCIP, RPP
(A) MANAGER, DEVELOPMENT REVIEW - WEST
PLANNING, INFRASTRUCTURE & ECONOMIC
DEVELOPMENT DEPARTMENT, CITY OF OTTAWA



LEGEND	
	PONDING AREA
	ICD DRAINAGE BOUNDARY
	AREA 5
	AREA 8
	EMERGENCY OVERLAND FLOW DIRECTION (> 1:100YR)
	MAX. PONDING VOLUME (m³)
	PONDING AREA NUMBER
	MAX. PONDING AREA (m²)
	MAX. WATER LEVEL ELEVATION
	MAX. PONDING DEPTH (m)
	AREA (ha.)
	RUNOFF COEFFICIENT (1:100 YEAR)
	SWM AREA NUMBER

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J.L. Richards
ENGINEERS - ARCHITECTS - PLANNERS

CONSULTANT: www.jlrichards.ca

PROFESSIONAL STAMP
M. N. L. DALRYMPLE
Feb 13/2020
PROVINCE OF ONTARIO

PROJECT NORTH

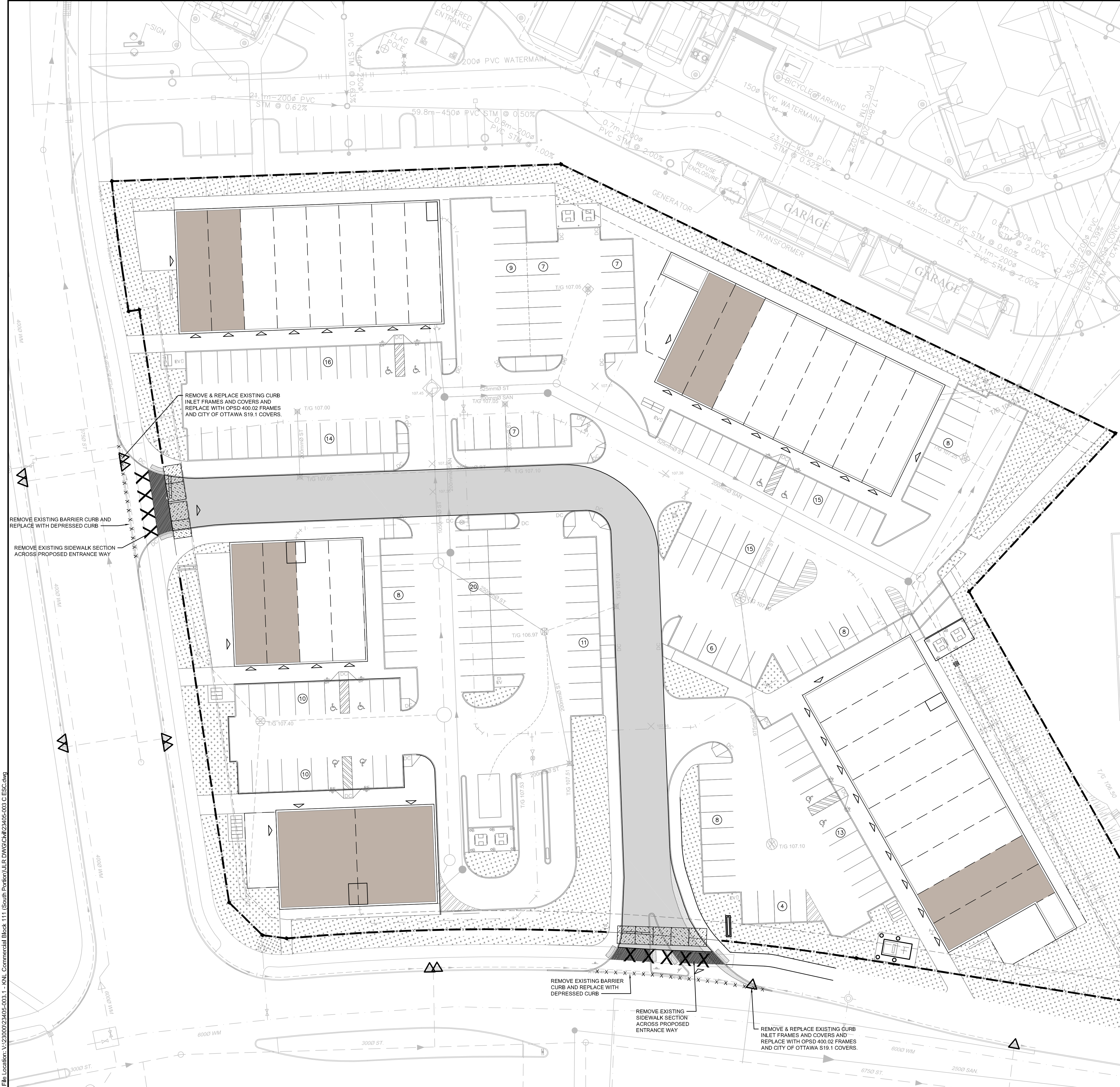
PROJECT:
COMMERCIAL PLAZA
5100 KANATA AVE.

DRAWING:
PONDING PLAN

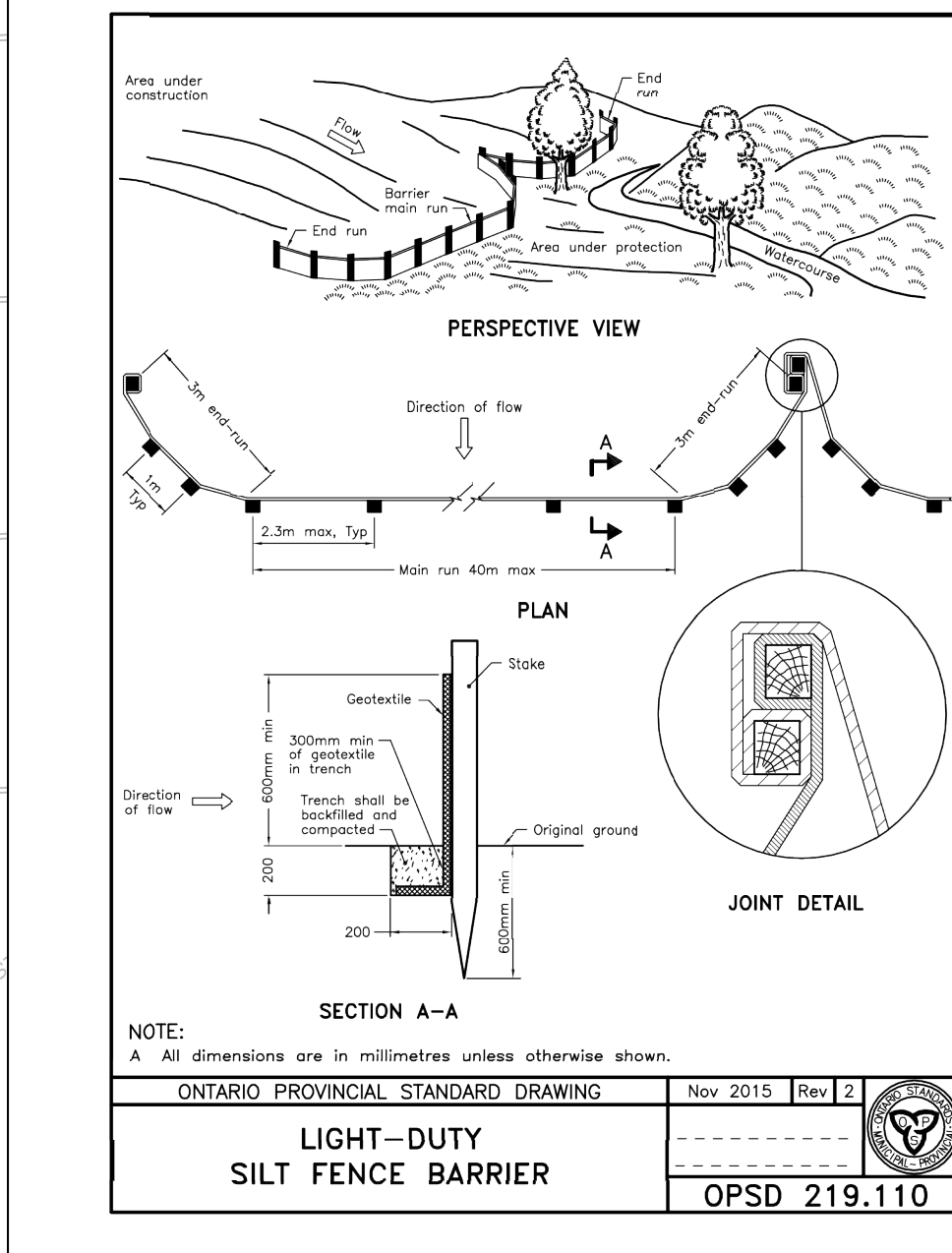
DESIGN: JW	DRAWING #:
DRAWN: CJM	SWM
CHECKED: HM	
JLR #: 23405-003.1	

APPROVED
By Mark Young at 8:45 am, Feb 21, 2020

Mark Y. P.
MARK YOUNG, MCIP, RPP
(A) MANAGER, DEVELOPMENT REVIEW - WEST
PLANNING, INFRASTRUCTURE & ECONOMIC
DEVELOPMENT DEPARTMENT, CITY OF OTTAWA



- NOTES:**
1. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES, TO PROVIDE FOR PROTECTION OF THE AREA DRAINAGE SYSTEM AND THE RECEIVING WATERCOURSE, DURING CONSTRUCTION ACTIVITIES. THE CONTRACTOR ACKNOWLEDGES THAT FAILURE TO IMPLEMENT APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY AGENCY.
 2. SEDIMENT AND EROSION CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO WORK AND MAINTAINED DURING THE WORK PHASE BY THE GENERAL CONTRACTOR. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSPECTED DAILY BY THE GENERAL CONTRACTOR TO ENSURE THAT THEY ARE FUNCTIONING PROPERLY AND ARE BEING MAINTAINED AND/OR UPGRADED AS REQUIRED. IF THE SEDIMENT AND EROSION CONTROL MEASURES ARE NOT FUNCTIONING PROPERLY, NO FURTHER WORK SHALL OCCUR UNTIL THE PROBLEM HAS BEEN ADDRESSED AND RECTIFIED.
 3. ALL MATERIALS AND EQUIPMENT USED FOR THE PURPOSE OF SITE PREPARATION AND PROJECT COMPLETION SHALL BE OPERATED AND STORED IN A MANNER THAT PREVENTS ANY DELETERIOUS SUBSTANCES (I.E. FUEL, OIL, LUBRICANTS, SILT, ETC.) FROM ENTERING DRAINAGE CHANNELS, TRIBUTARIES AND SEWER SYSTEMS.
 4. VEHICLE AND EQUIPMENT RE-FUELLING AND MAINTENANCE SHALL BE CONDUCTED AWAY FROM DRAINAGE CHANNELS IN A CONTROLLED MANNER TO PREVENT FUEL SPILLAGE.
 5. ANY PART OF EQUIPMENT ENTERING DRAINAGE CHANNELS SHALL BE FREE OF FLUID LEAKS AND EXTERNALLY CLEANED/DEGREASED TO PREVENT ANY DELETERIOUS SUBSTANCES FROM ENTERING THE WATER.
 6. STOCKPILED MATERIALS SHOULD BE STORED AND STABILIZED AWAY FROM DRAINAGE CHANNELS AND TRIBUTARIES.
 7. SEDIMENT AND EROSION CONTROL MEASURES MAY BE MODIFIED IN THE FIELD AT THE DISCRETION OF THE CITY SITE INSPECTOR, ENGINEER AND/OR THE LOCAL CONSERVATION AUTHORITY.
 8. INSPECTIONS AND REPAIR OF SEDIMENT AND EROSION CONTROLS WILL BE CONDUCTED AS SOON AS POSSIBLE FOLLOWING ANY RAIN EVENTS.
 9. WORKS WILL NOT BE CONSIDERED COMPLETE UNTIL ALL SEDIMENT CONTROLS ARE REMOVED.
 10. ONLY MATERIAL FREE OF FINE PARTICULATE MATTER SHOULD BE PLACED IN DRAINAGE CHANNELS.
 11. ALL EQUIPMENT OPERATING NEAR DRAINAGE CHANNELS AND TRIBUTARIES SHOULD BE EQUIPPED WITH A SPILLKIT.
 12. ANY ACCIDENTAL DISCHARGES OF SEDIMENT MATERIAL INTO THE WATERCOURSE SHOULD BE IMMEDIATELY REPORTED TO THE ENGINEER. APPROPRIATE RESPONSE MEASURES, INCLUDING ANY REPAIRS TO EXISTING CONTROL MEASURES OR THE IMPLEMENTATION OF ADDITIONAL CONTROL MEASURES, SHALL BE CARRIED OUT BY THE CONTRACTOR WITHOUT DELAY.
 13. ALL SEDIMENTATION CONTROL MEASURES SHALL BE IMPLEMENTED AND CONSTRUCTED PER OPSS AND OPSD. SILT FENCE SHALL BE TO OPSD 219.110.
 14. FILTER FABRIC TO BE PLACED UNDER ALL CATCHBASIN AND MANHOLE COVERS FOR TEMPORARY SEDIMENT CONTROL DURING CONSTRUCTION. FILTER FABRIC TO BE REMOVED FOLLOWING COMPLETION OF ALL SEWER INSTALLATIONS AND PRIOR TO PIPELINE CLEANING.
 15. THE CONTRACTOR ACKNOWLEDGES THAT NO ONE MEASURE IS LIKELY TO BE 100% EFFECTIVE FOR EROSION PROTECTION AND CONTROLLING SEDIMENT RUNOFF AND DISCHARGES FROM THE SITE. THEREFORE, WHERE NECESSARY THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL MEASURES ARRANGED IN SUCH A MANNER AS TO MITIGATE SEDIMENT RELEASE FROM THE CONSTRUCTION OPERATIONS AND ACHIEVE A SPECIFIC MAXIMUM PERMITTED CRITERIA WHERE APPLICABLE. SUGGESTED ON-SITE MEASURES MAY INCLUDE, BUT SHALL NOT BE LIMITED TO, THE FOLLOWING METHODS: SEDIMENT PONDS, FILTER BAGS, PUMP FILTERS, SETTLING TANKS, SILT FENCES, STRAW BALES, FILTER CLOTHS, CATCH BASIN FILTERS, CHECK DAMS AND/OR BERMS, OR OTHER RECOGNIZED TECHNOLOGIES AND METHODS AVAILABLE AT THE TIME OF CONSTRUCTION. SPECIFIC MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF OPSS 577 WHERE APPROPRIATE, OR IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
 16. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL SUBMIT TO THE CONTRACT ADMINISTRATOR SIX COPIES OF A DETAILED EROSION AND SEDIMENT CONTROL PLAN (ESCP). THE ESCP WILL CONSIST OF A WRITTEN DESCRIPTION AND DETAILED DRAWINGS INDICATING THE ON-SITE ACTIVITIES AND MEASURES TO BE USED TO CONTROL EROSION AND SEDIMENT MOVEMENT FOR EACH STEP OF THE WORK.
 17. FILTER FABRIC TO BE PLACED UNDER GRATE OF EXISTING STREET CB AS NOTED ON SERVICING PLANS. THE FILTER FABRIC SHALL BE INSPECTED DAILY TO ENSURE THAT THEY ARE FUNCTIONING PROPERLY AND ARE MAINTAINED AS REQUIRED.
 18. ALL PROPOSED CATCH BASINS ARE TO BE INSTALLED WITH FILTER FABRIC AND SHALL BE MAINTAINED FOR THE DURATION OF THE WORK PHASE.



APPROVED
By Mark Young at 8:45 am, Feb 21, 2020

Mark Y. P.
MARK YOUNG, MCIP, RPP
(A) MANAGER, DEVELOPMENT REVIEW - WEST
PLANNING, INFRASTRUCTURE & ECONOMIC
DEVELOPMENT DEPARTMENT, CITY OF OTTAWA



- LEGEND**
- SILT FENCE
 - FILTER CLOTH FOR EXISTING STRUCTURE
 - PROPOSED MUD MAT

6	ISSUED FOR SITE PLAN REVISION	13/02/20
5	ISSUED FOR CONSTRUCTION / REVISED SITE PLAN	22/01/20
4	ISSUED FOR CONSTRUCTION	16/01/20
3	ISSUED FOR TENDER / SITE PLAN SUBMISSION	31/10/19
2	ISSUED FOR SITE PLAN SUBMISSION	08/03/19


No. ISSUE / REVISION DD/MM/YY

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VERIFY SHEET SIZE AND SCALES: BAR TO THE RIGHT IS 25mm IF THIS IS A FULL SIZE DRAWING.

SCALE: 1:300

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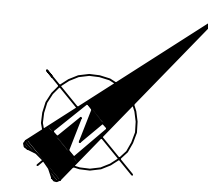
 **J.L. Richards**
ENGINEERS - ARCHITECTS - PLANNERS

CONSULTANT:

PROFESSIONAL STAMP



PROJECT NORTH



PROJECT:

COMMERCIAL PLAZA

5100 KANATA AVE.

DRAWING:

REMOVALS AND EROSION AND SEDIMENT CONTROL PLAN

DESIGN: JW	DRAWING #:
DRAWN: CJM	RESC
CHECKED: HM	
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