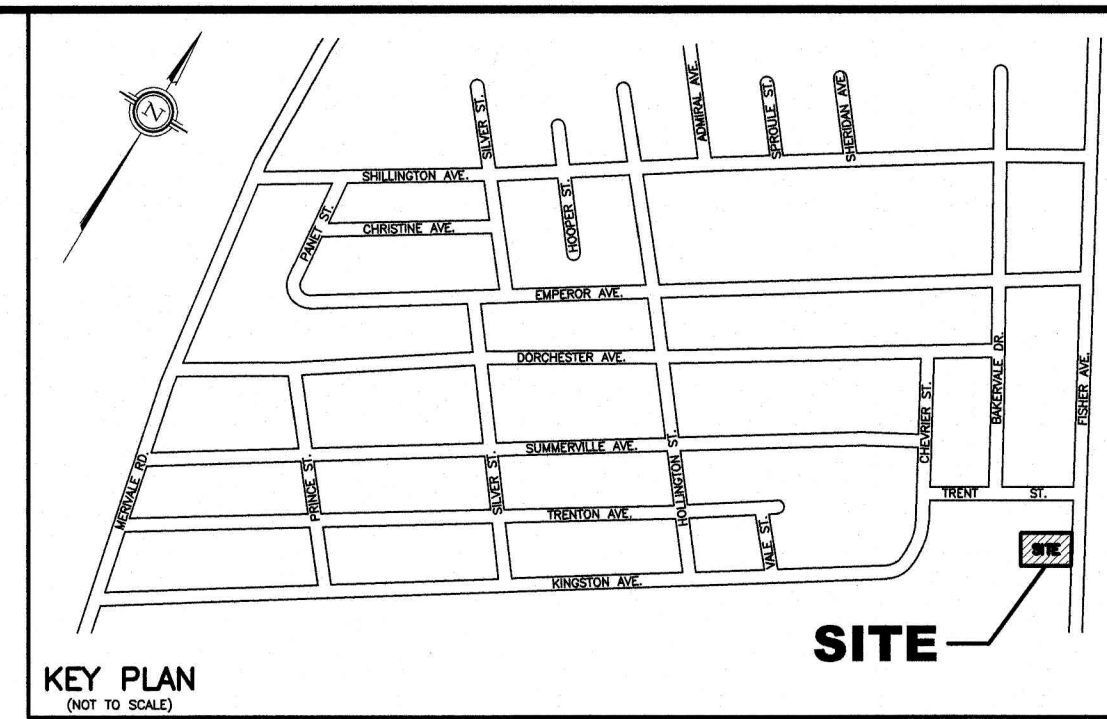
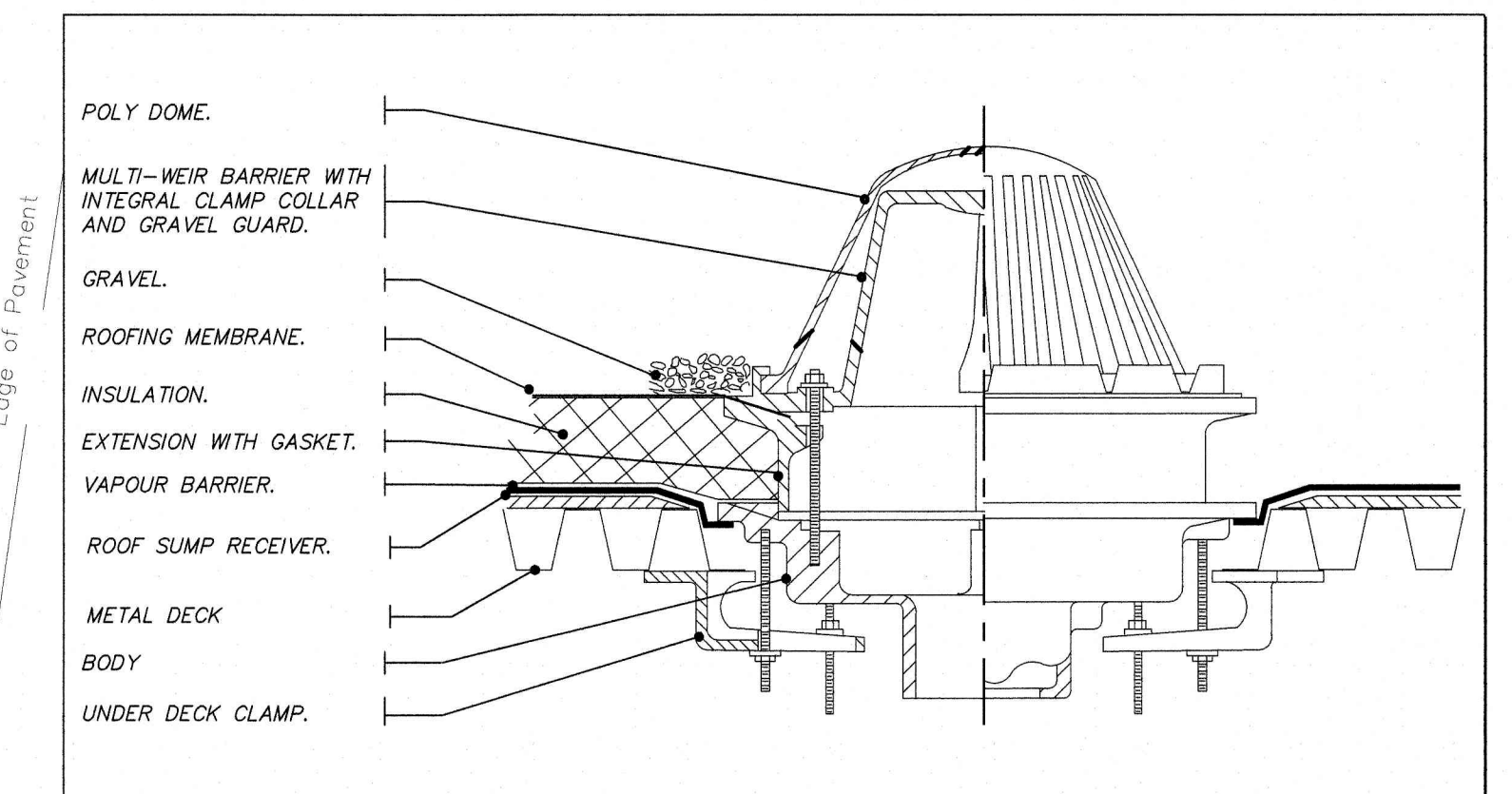


- LEGEND**
- PROPOSED GENERAL DIRECTION OF LOT GRADING AND SURFACE FLOW
 - 100 YR HIGH WATER LEVEL
 - - - 5 YR HIGH WATER LEVEL
 - PROPOSED HIGH RIDGE LINE
 - RD PROPOSED ROOF DRAIN
 - SC PROPOSED ROOF SCUPPER LOCATION



- NOTES**
- STORMWATER MANAGEMENT NOTES
 - ROOF DRAIN DETAILS
 - MODEL TYPE: WATTS MODEL RD-100 WITH ACCUTROL CONTROL WEIR, ONE SLOT OR EQUAL
 - NUMBER OF CONTROL DEVICES: 1 CONTROLLED ROOF DRAIN PER DESIGNATED ROOF AREA FOR SWM ATTENUATION
 - FLOW PER ROOF DRAIN: 10.0 U.S. GAL/MIN. OR 0.63 L/S
 - TOTAL FLOW FROM FLAT ROOFTOP AND LANDSCAPE AREA OF BUILDING AT MAXIMUM HEAD OF 150mm PER DRAIN
 - AT THE (5) PROPOSED DRAINS: 3.15 L/S
 - DEPTH AND VOLUME:
- | ROOF AREA No. | DEPTH (mm) | | VOLUME (m³) | |
|---------------|------------|--------|-------------|--------|
| | 5 YR | 100 YR | 5 YR | 100 YR |
| 1 | 110 | 150 | 2.89 | 7.29 |
| 2 | 110 | 150 | 2.89 | 7.29 |
| 3 | 110 | 150 | 2.42 | 6.75 |
| 4 | 100 | 150 | 1.67 | 5.54 |
| 5 | 100 | 150 | 1.58 | 5.12 |
- SCUPPER LOCATION: AS SHOWN ON THIS DRAWING
- 5 YEAR ELEVATION: 110mm ABOVE THE DRAIN FOR AREA#1, #2 AND #3 AND 100mm ABOVE THE DRAIN FOR LANDSCAPE AREA #4 AND #5.
- 100 YEAR ELEVATION: 150mm ABOVE THE DRAIN FOR AREA#1, #2, #3, #4 AND #5.
- EACH ROOF DRAIN SHALL BE SIZED FOR A RELEASE RATE OF 10 U.S. GAL/MIN. OR 0.63 L/S. THE OWNER'S MECHANICAL ENGINEER SHALL SPECIFY THE REQUIRED ROOF DRAIN TYPE AND MODEL No. AND PROVIDE THE NECESSARY INFORMATION TO THE CITY OF OTTAWA FOR THEIR RECORDS TO ENSURE PROPER RELEASE RATE FOR STORMWATER MANAGEMENT COMPLIANCE.
 - ROOF PITCH IS ASSUMED TO HAVE 1.3% (MIN.) SLOPE.
 - ROOF SCUPPERS ARE RECOMMENDED TO BE INSTALLED 0mm ABOVE EDGE OF ROOFTOP ELEVATION FOR EMERGENCY OVERFLOW PURPOSES AT ROOF AREA#1, #2, #3, #4 AND #5.
 - SEE STORM DRAINAGE REPORT No. R-818-71 DATED MAY 2019 FOR DETAILS ALSO.
2. PROPOSED ROOF DRAINS AND SCUPPER LOCATIONS SHOWN ON THIS PLAN SHALL BE REVIEWED BY THE OWNER AND OWNER'S HOUSE DESIGNER FOR APPROVAL.
3. THE OWNER'S ARCHITECTS AND STRUCTURAL ENGINEER SHALL ENSURE THAT THE ADDITIONAL STORMWATER STORAGE VOLUME FROM STORMWATER MANAGEMENT MEASURES ARE ACCOUNTED FOR IN THE STRUCTURAL DESIGN OF AND WATERPROOFING OF ROOF AREA #1 TO #5 INCLUSIVE AND ANY OF THE SUPPORTING STRUCTURES THAT MAY BE AFFECTED BY THE STORED WATER.
4. CONTROLLED ROOF DRAIN #1 TO #5 INCLUDING ALL UNCONTROLLED FLAT ROOF DRAINS SHALL OUTLET INTO THE PROPOSED HOLDING TANK LOCATED BELOW PARKING LEVEL 3 AND BE PUMPED UP AND DISCHARGE INTO THE PROPOSED 125mmØ PVC STORM LATERAL FOR OUTLET. THE BUILDING WEEPING TILE WATER WILL OUTLET INTO THE PROPOSED 150mmØ PVC STORM LATERAL FROM THIS BUILDING AS SHOWN ON THE PROPOSED GRADING AND SERVING PLAN (DWG. No. 818-71, G-1).
5. FOR GRADING AND SERVING DETAILS OF THIS SITE, REFER TO DWG. No. 818-71, G-1.

TYPICAL:
3"Ø ROOF DRAIN ABOVE, "WATTS" MODEL: RD-100 WITH ACCUTROL CONTROL WEIR, ONE SLOT. DRAIN TO BE c/w WEIR, BARRIER, INTERNAL CLAMP COLLAR AND GRAVEL GUARD. BOTTOM OF WEIR TO BE FLUSH WITH ROOF. CAST IRON BODY, ALUMINUM WEIR, STAINLESS STEEL GRID AND POLYDOME. COORDINATE INSTALLATION ON SITE.



TYPICAL ROOF DRAIN DETAIL
N.T.S.

	SCALE	DESIGN	T.L.M.	PROJECT PROPOSED 9 STORY RESIDENTIAL BUILDING 1110 FISHER AVENUE PART OF LOT L CONCESSION A (RIDEAU FRONT) GEOGRAPHIC TOWNSHIP OF NEPEAN CITY OF OTTAWA OWNER: PRESTIGE DESIGN & CONSTRUCTION (FISHER) LTD. DRAWING TITLE PROPOSED ROOFTOP STORMWATER MANAGEMENT PLAN		T.L. MAK ENGINEERING CONSULTANTS LTD. CONSULTING ENGINEERS		
	1:100 HORIZONTAL	CHECKED	T.L.M.			PROJECT No.	DATE	DRAWING No.
	VERTICAL	DRAWN BY	G.U.			818-71	APRIL 2019	SWM-1
	APPROVED	T.L.M.						
NO.	REVISION	DATE	BY					