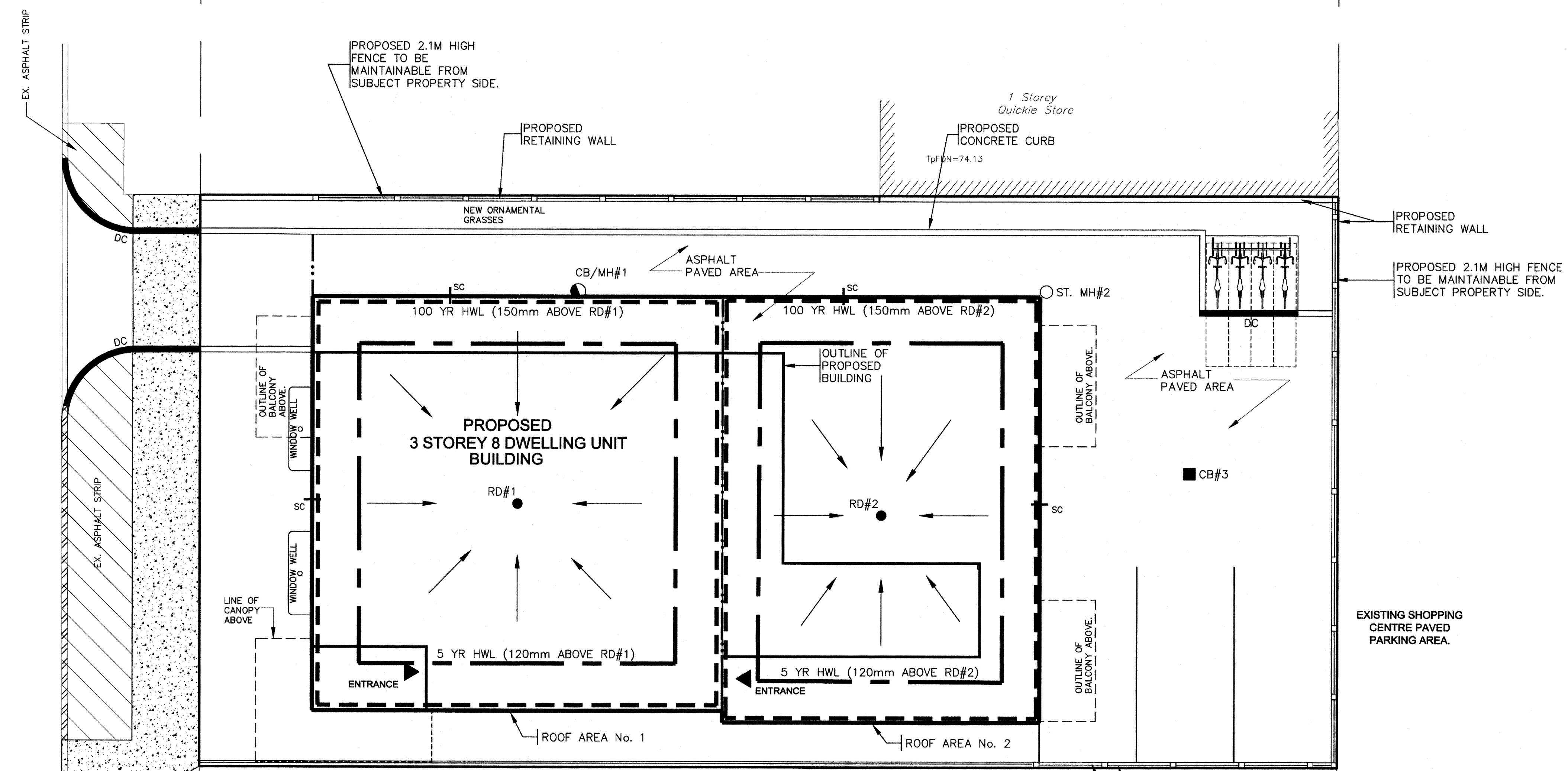


Centreline of Road  
**CROYDON AVENUE**



- LEGEND**
- 100 YR HIGH WATER LEVEL (150mm ABOVE THE ROOF DRAIN)
  - 5 YR HIGH WATER LEVEL (120mm ABOVE THE ROOF DRAIN)
  - RD PROPOSED ROOF DRAIN LOCATION
  - SC PROPOSED ROOF SCUPPER LOCATION
  - PROPOSED ROOF SURFACE DRAINAGE FLOW DIRECTION
  - PROPOSED HIGH RIDGE LINE
  - ▨ PROPOSED NEW CONCRETE WALKWAY AS PER CITY'S OF OTTAWA ENGINEERING STANDARDS AND REQUIREMENTS
  - ▨ PROPOSED NEW BARRIER CONCRETE CURB

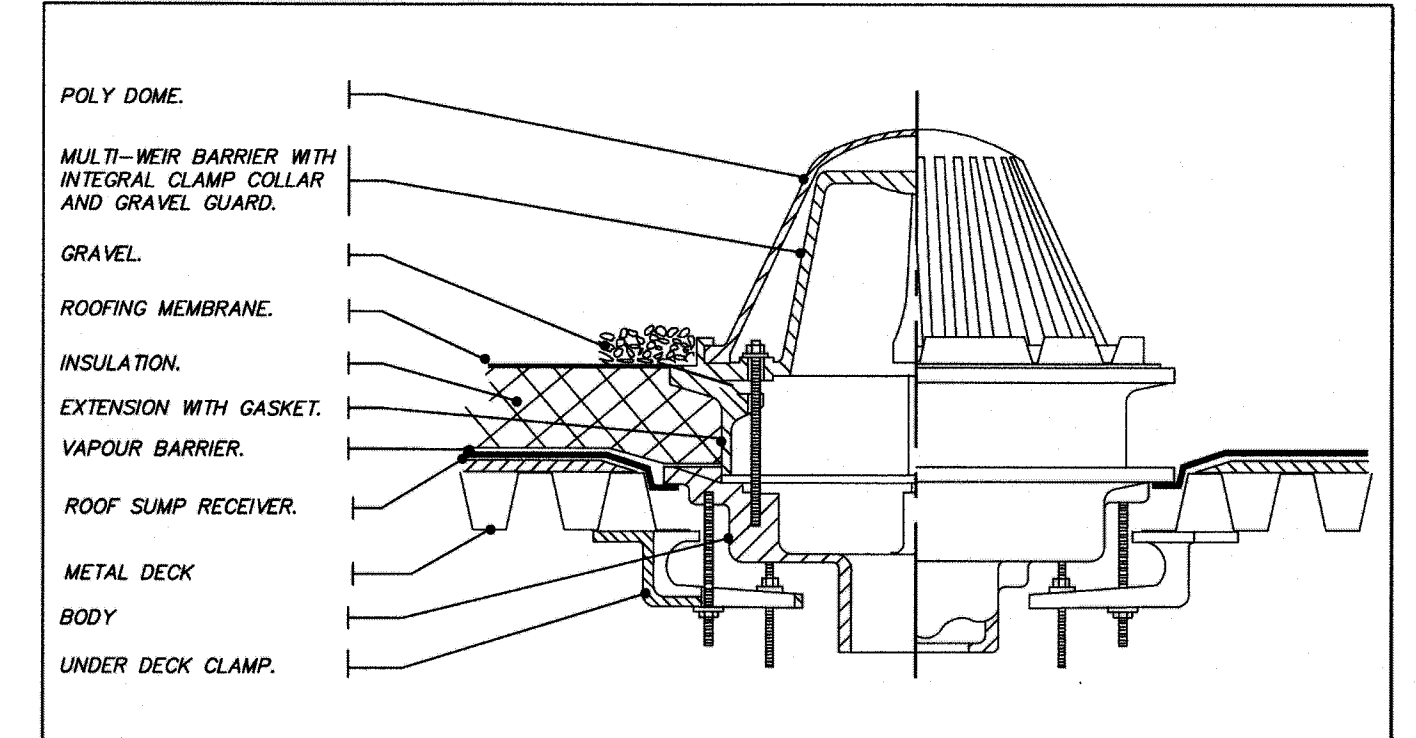
- NOTES**
- STORMWATER MANAGEMENT NOTES
    - ROOF DRAIN DETAILS
    - MODEL TYPE: WATTS MODEL RD-100 WITH ACCUTROL CONTROL WEIR, ONE SLOT OR EQUAL
    - NUMBER OF CONTROL DEVICES: 1 CONTROLLED ROOF DRAIN PER DESIGNATED ROOF AREA FOR SWM ATTENUATION
    - FLOW PER ROOF DRAIN: 10.0 U.S. GAL/MIN. OR 0.63 L/S
    - TOTAL FLOW FROM FLAT ROOFTOP OF BUILDING AT MAXIMUM HEAD OF 150mm PER DRAIN AT THE (2) PROPOSED DRAINS: 1.26 L/S
  - DEPTH AND VOLUME:
 

ROOF AREA No.	DEPTH (mm)			VOLUME (m <sup>3</sup> )	
	5 YR	100 YR	5 YR	100 YR	
1	120	150	2.99	5.91	
2	120	150	2.38	4.59	
  - SCUPPER LOCATION: AS SHOWN ON THIS DRAWING
  - 5 YEAR ELEVATION: 120mm ABOVE THE ROOF DRAIN
  - 100 YEAR ELEVATION: 150mm ABOVE THE ROOF DRAIN
  - 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 2% (MIN.) SLOPE.
  - ROOF SCUPPERS ARE RECOMMENDED TO BE INSTALLED 0mm ABOVE EDGE OF ROOFTOP ELEVATION FOR EMERGENCY OVERFLOW PURPOSES AT ROOF AREA #1 TO #2 INCLUSIVE.
  - SEE STORM DRAINAGE REPORT No. R-817-21 DATED JUNE 2017 FOR DETAILS ALSO.

EXISTING BUS STOP SHELTER TO REMAIN.

EXISTING SHOPPING CENTRE PAVED PARKING AREA.

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 POLDOME. COORDINATE INSTALLATION ON SITE.



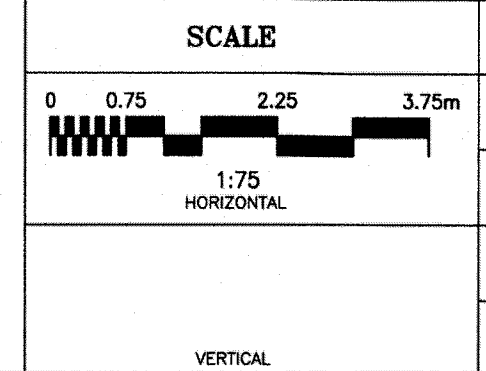
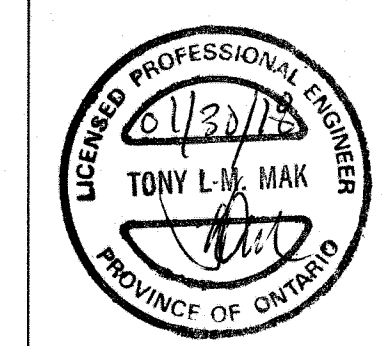
TYPICAL ROOF DRAIN DETAIL  
N.T.S.

APPROVED  REFUSED

THIS \_\_\_ DAY OF \_\_\_, 20\_\_

DERRICK MOODIE  
MANAGER, DEVELOPMENT REVIEW - WEST  
PLANNING, INFRASTRUCTURE & ECONOMIC  
DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

NO.	REVISION	DATE	BY
3	AS PER CITY'S REVIEW COMMENTS OF DECEMBER 22, 2017	01/30/18	TLM
2	AS PER CITY'S REVIEW COMMENTS OF SEPTEMBER 15, 2017	11/09/17	TLM
1	REVISIONS AS PER LATEST REVISED SITE PLAN OF JULY 14, 2017	07/20/17	TLM



DESIGN	T.L.M.
CHECKED	T.L.M.
DRAWN BY	G.U.
CHECKED	T.L.M.
APPROVED	T.L.M.

PROJECT: 351 CROYDON AVE  
LOT 47  
REGISTERED PLAN 348  
CITY OF OTTAWA

OWNER: URBAN STRUCTURE PROPERTIES LTD.

DRAWING TITLE: PROPOSED ROOF TOP STORM WATER MANAGEMENT PLAN

T.L. MAK ENGINEERING CONSULTANTS LTD. CONSULTING ENGINEERS		
PROJECT No.	DATE	DRAWING No.
817-21	MAY 2017	SWM-1

D07-12-17-0102