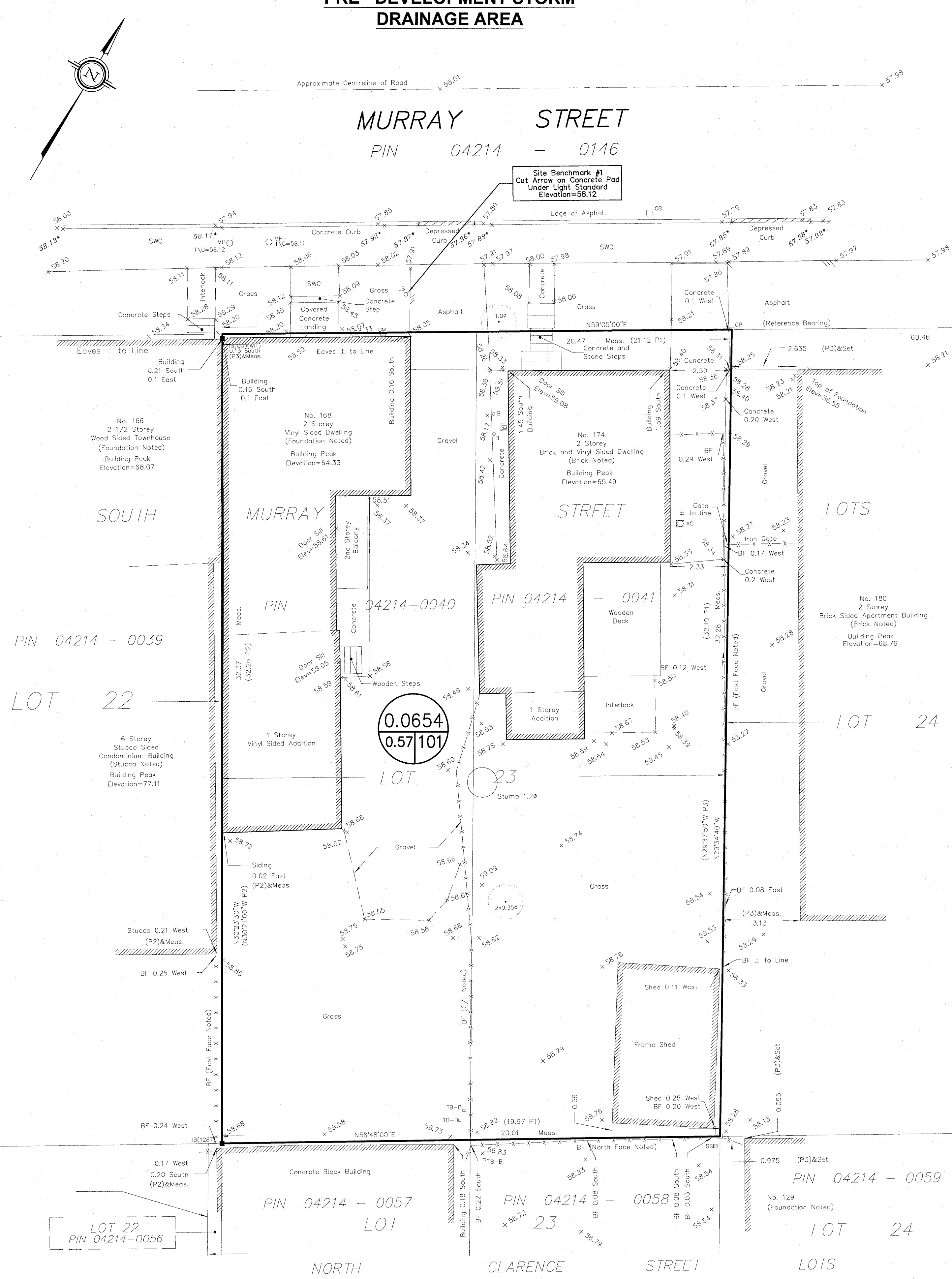
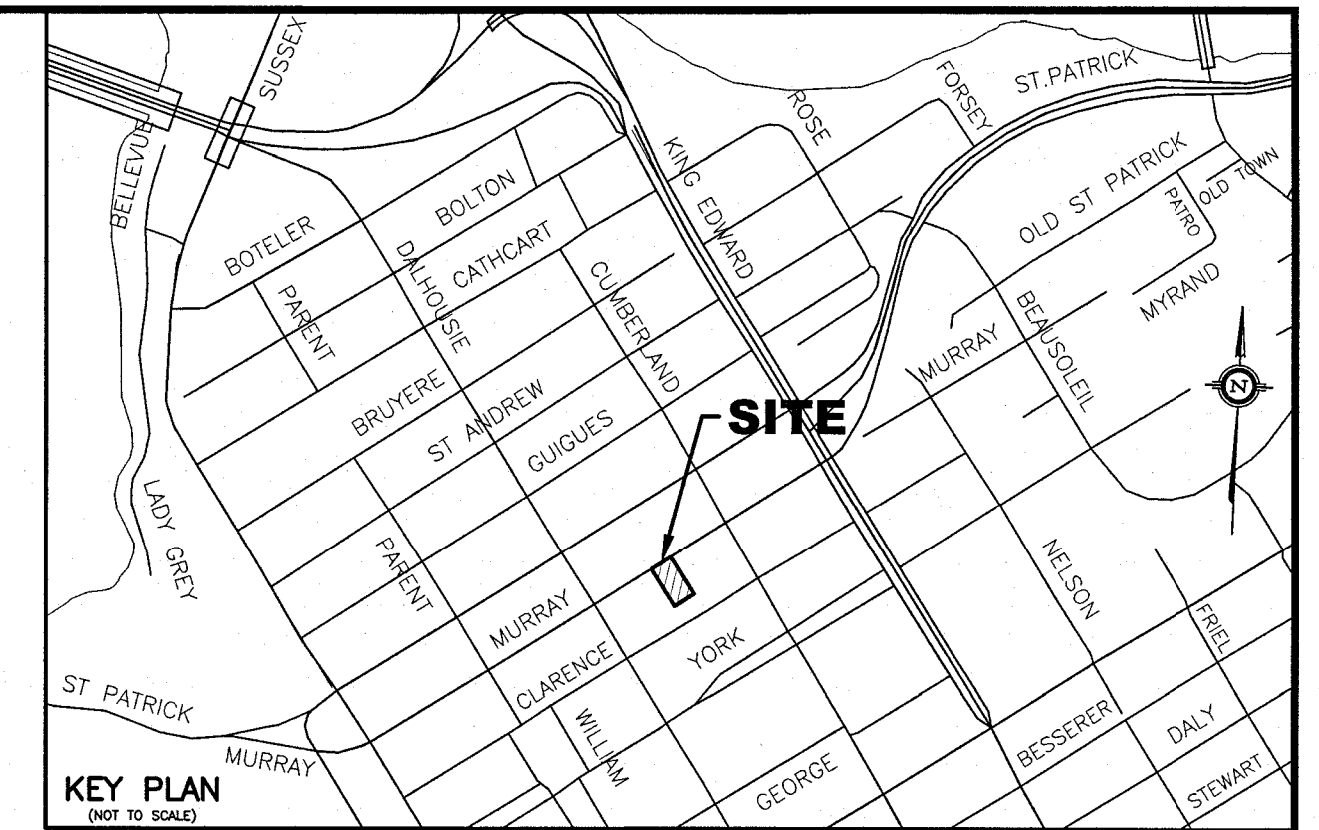
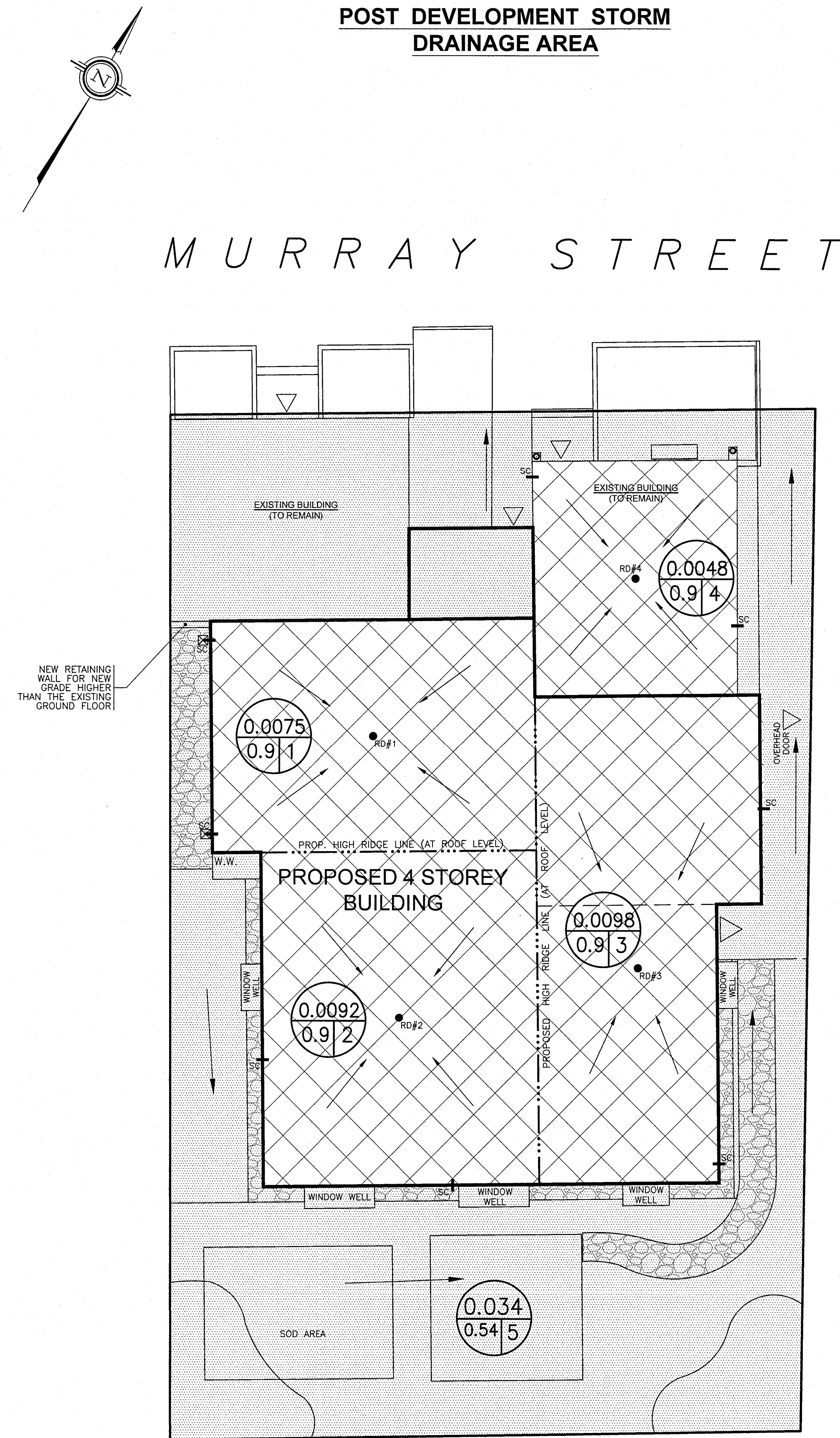


PRE - DEVELOPMENT STORM
DRAINAGE AREA



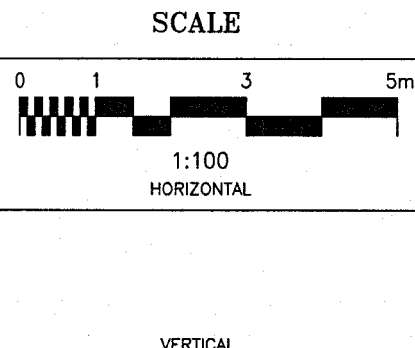
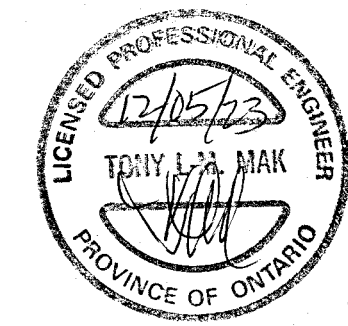
POST DEVELOPMENT STORM
DRAINAGE AREA



- LEGEND**
- RD#1 PROPOSED ROOF DRAIN NUMBER AND LOCATION
 - SC PROPOSED ROOF SCUPPER LOCATION
 - PROPOSED HIGH RIDGE LINE
 - 0.03 DRAINAGE AREA IN HECTARES
 - 0.9 DRAINAGE NODE NUMBER
 - COEFFICIENT OF RUNOFF
 - DENOTES STORMWATER SURFACE FLOW DIRECTION
 - UN-CONTROLLED DRAINAGE AREA
 - CONTROLLED DRAINAGE AREA

- NOTES**
- NODE #1, #2, #3 AND #4 REPRESENTS BUILDING ROOF AREA (SWM CONTROLLED AREA)
 - NODE #5 REPRESENTS UNCONTROLLED DRAINAGE AREA
 - NODE #101 REPRESENTS PRE-DEVELOPMENT DATA.

NO.	REVISION	DATE	BY
1	REVISIONS AS PER CITY'S REVIEW COMMENTS OF AUGUST 31, 2023	12/04/23	TLM

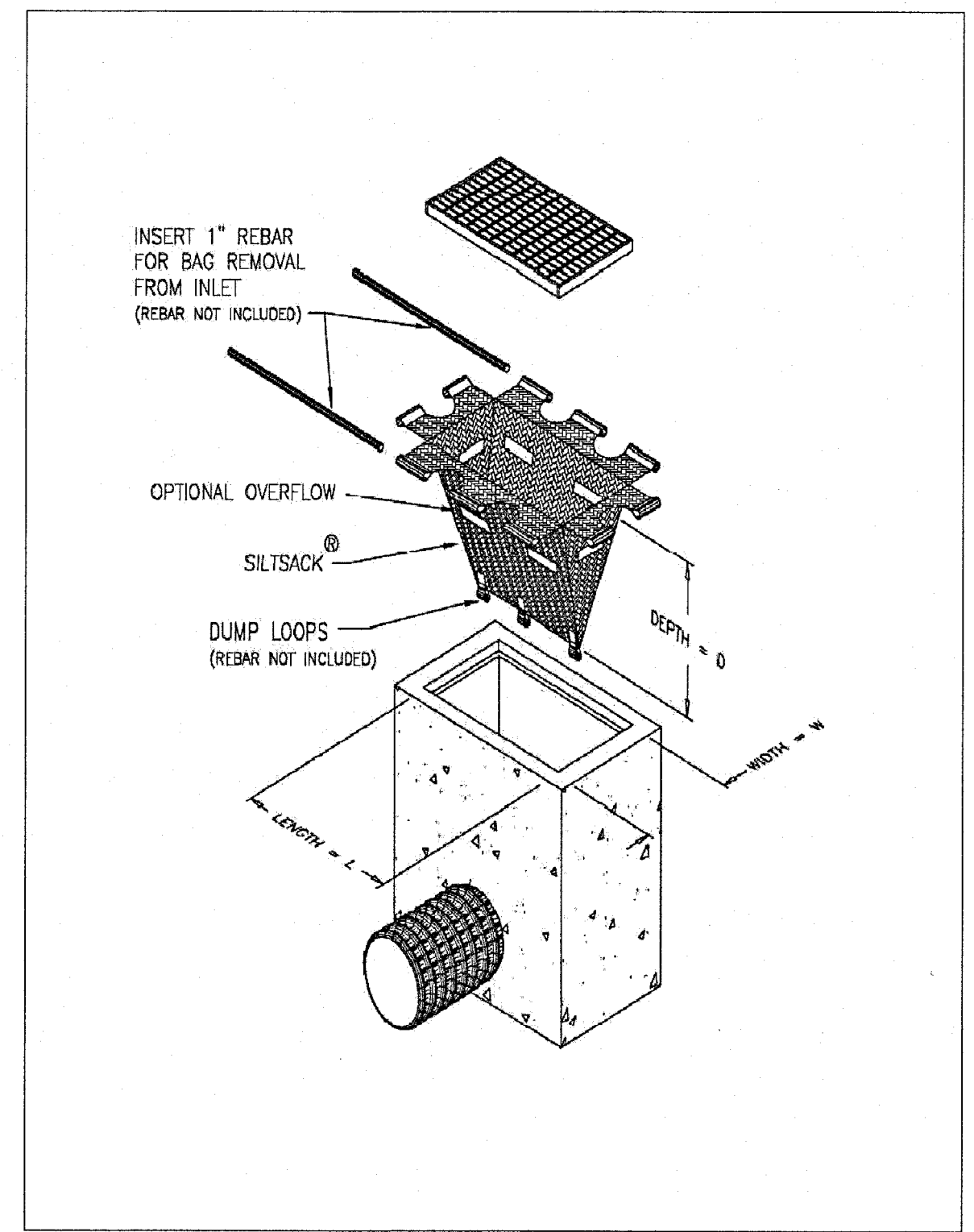
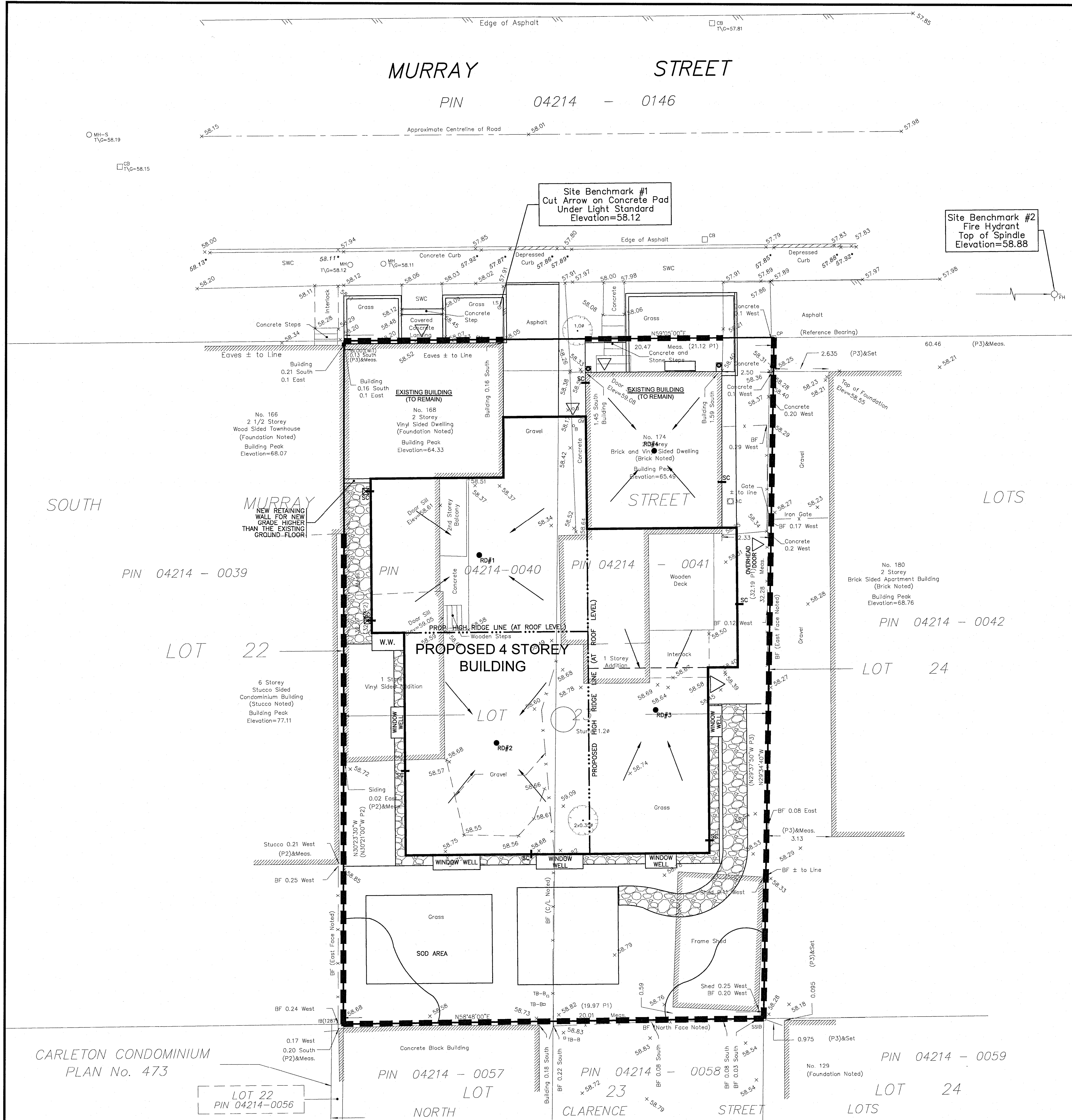


DESIGN	T.L.M.
CHECKED	T.L.M.
DRAWN BY	P.M.
CHECKED	T.L.M.
APPROVED	T.L.M.

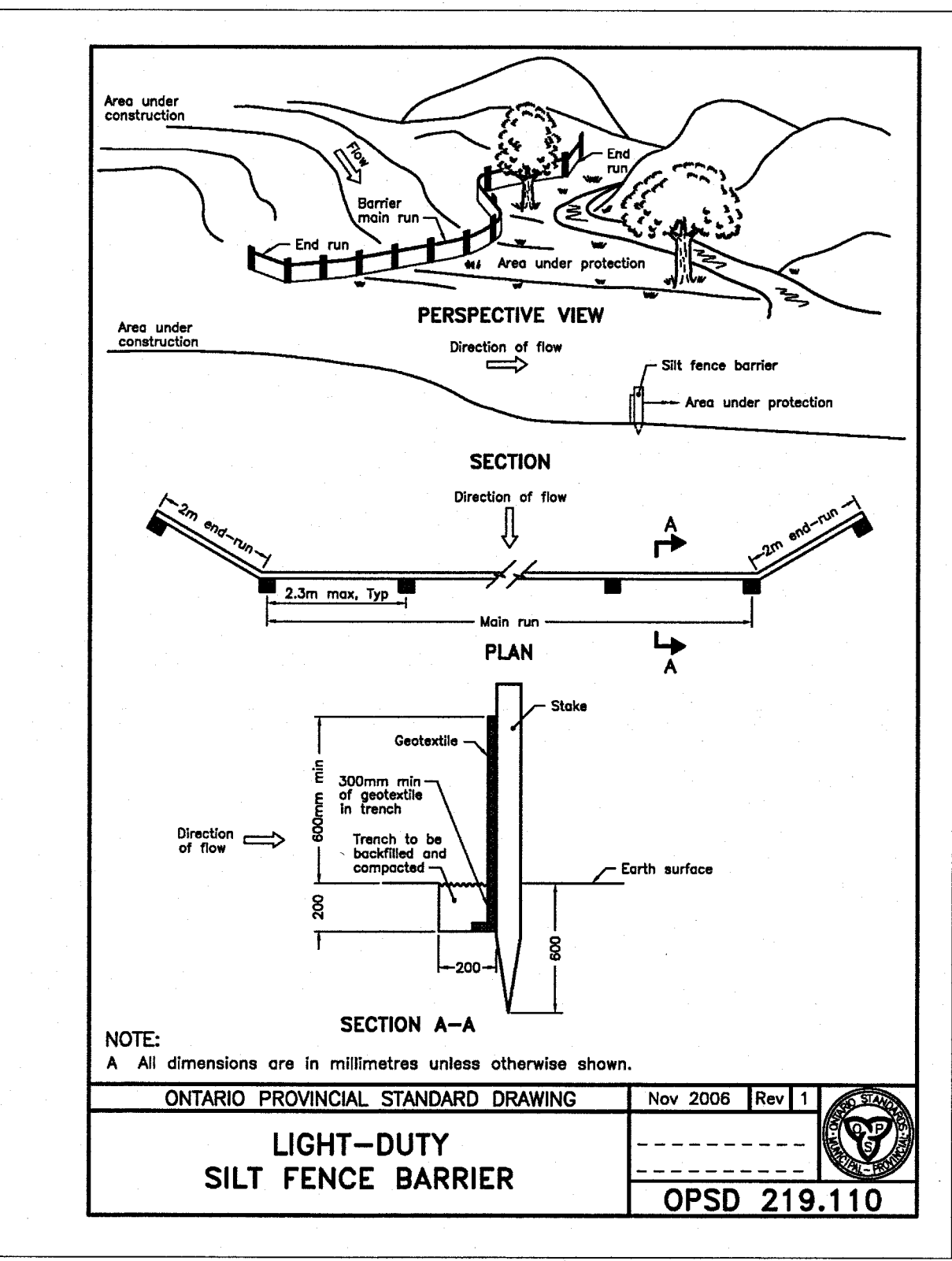
PROJECT
168-174 MURRAY STREET
LOT 23 (SOUTH MURRAY STREET)
REGISTERED PLAN 42482
CITY OF OTTAWA

DRAWING TITLE
STORM DRAINAGE AREA PLAN

PROJECT No.	DATE	DRAWING No.
822-43	MAY 2022	D-1



TYPICAL CATCH BASIN CONTROL DEVICE
N.T.S.



LEGEND

SILT FENCE BARRIER LOCATION

EROSION AND SEDIMENT CONTROL NOTES

BEST MANAGEMENT PRACTICES

EROSION AND SEDIMENT CONTROLS (BEST MANAGEMENT PRACTICES) SHALL BE PROVIDED DURING CONSTRUCTION OF THIS PROJECT. EROSION MUST BE MINIMIZED AND SEDIMENTS MUST BE REMOVED FROM CONSTRUCTION SITE RUNOFF IN ORDER TO PROTECT DOWNSTREAM AREAS. DURING ALL CONSTRUCTION, EROSION AND SEDIMENTATION SHOULD BE CONTROLLED BY THE FOLLOWING TECHNIQUES:

1. MINIMIZE THE EXTENT OF EXPOSED SOILS.
2. MINIMIZE THE AREA TO BE CLEARED AND GRUBBED.
3. PROTECT EXPOSED SLOPES WITH PLASTIC OR SYNTHETIC MULCHES.
4. INSTALL "SILTSACK" CATCH BASIN SEDIMENT CONTROL DEVICE OR EQUAL IN CATCH BASINS ALONG MURRAY STREET ON-SITE AND OFF-SITE WITHIN THE ROAD RIGHT OF WAY ADJACENT TO THIS PROPERTY AS RECOMMENDED BY THE MANUFACTURER. SILTSACK SHALL BE INSPECTED EVERY 2 TO 3 WEEKS AND AFTER EVERY MAJOR STORM.
5. INSTALL SILT FENCES AROUND THE PERIMETER OF STOCKPILES OF TOPSOIL TO BE USED OR REMOVED FROM SITE. (LOCATION TO BE DETERMINED).
6. SEDIMENT CONTROL DEVICES SHALL BE INSPECTED EVERY 2 TO 3 WEEKS AND AFTER MAJOR STORMS AND CLEANED OF ANY ACCUMULATED SILT AS REQUIRED. THE DEPOSITS WILL BE DISPOSED OF AS PER THE REQUIREMENTS OF THE CONTRACT.
7. IN SOME CASES SOME FILTER BARRIERS MAY BE REMOVED TEMPORARILY TO ACCOMMODATE CONSTRUCTION OPERATIONS. THE AFFECTED BARRIERS WILL BE REINSTATED AT NIGHT WHEN CONSTRUCTION IS COMPLETED. REMOVAL SHALL NOT OCCUR IF RUNOFF OR RAINFALL IS PREDICTED UNLESS A NEW DEVICE HAS BEEN INSTALLED TO PROTECT THE EXISTING STORM AND SANITARY SEWER SYSTEMS.
8. NO REFUELING OR CLEANING OF EQUIPMENT IS PERMITTED NEAR ANY EXISTING WATERWAYS.
9. DURING THE CONSTRUCTION PERIOD, THE CONTRACTOR SHALL INSPECT, MAINTAIN AND REMOVE THE CONTROL MEASURES.
10. THIS PROPOSED EROSION AND SEDIMENT CONTROL PLAN IS CONSIDERED BY (RVCA) A LIVING DOCUMENT WHICH MAY BE MODIFIED IN THE EVENT THE CONTROL MEASURES ARE INSUFFICIENT.
11. CONTRACTOR IS RESPONSIBLE TO KEEP THE ROADS FREE AND CLEAN FROM MUD AND DEBRIS DURING THE CONSTRUCTION PERIOD.

168-174 MURRAY STREET LOT 23 (SOUTH MURRAY STREET) REGISTERED PLAN 42482 CITY OF OTTAWA		T.L. MAK ENGINEERING CONSULTANTS LTD. CONSULTING ENGINEERS	
PROJECT	DESIGN	DRAWING TITLE	PROJECT No.
168-174 MURRAY STREET LOT 23 (SOUTH MURRAY STREET) REGISTERED PLAN 42482 CITY OF OTTAWA	T.L.M.	PROPOSED EROSION AND SEDIMENT CONTROL PLAN	822-43
CHECKED	T.L.M.	DATE	MAY 2022
DRAWN BY	P.M.	DRAWING No.	ESC-1
CHECKED	T.L.M.		
APPROVED	T.L.M.		

