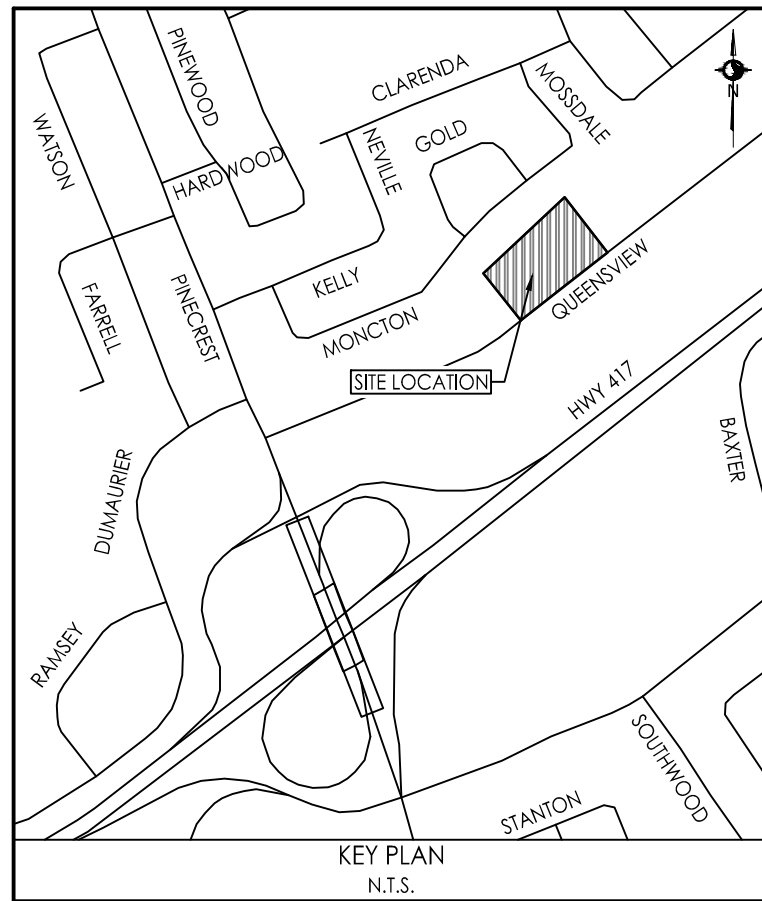
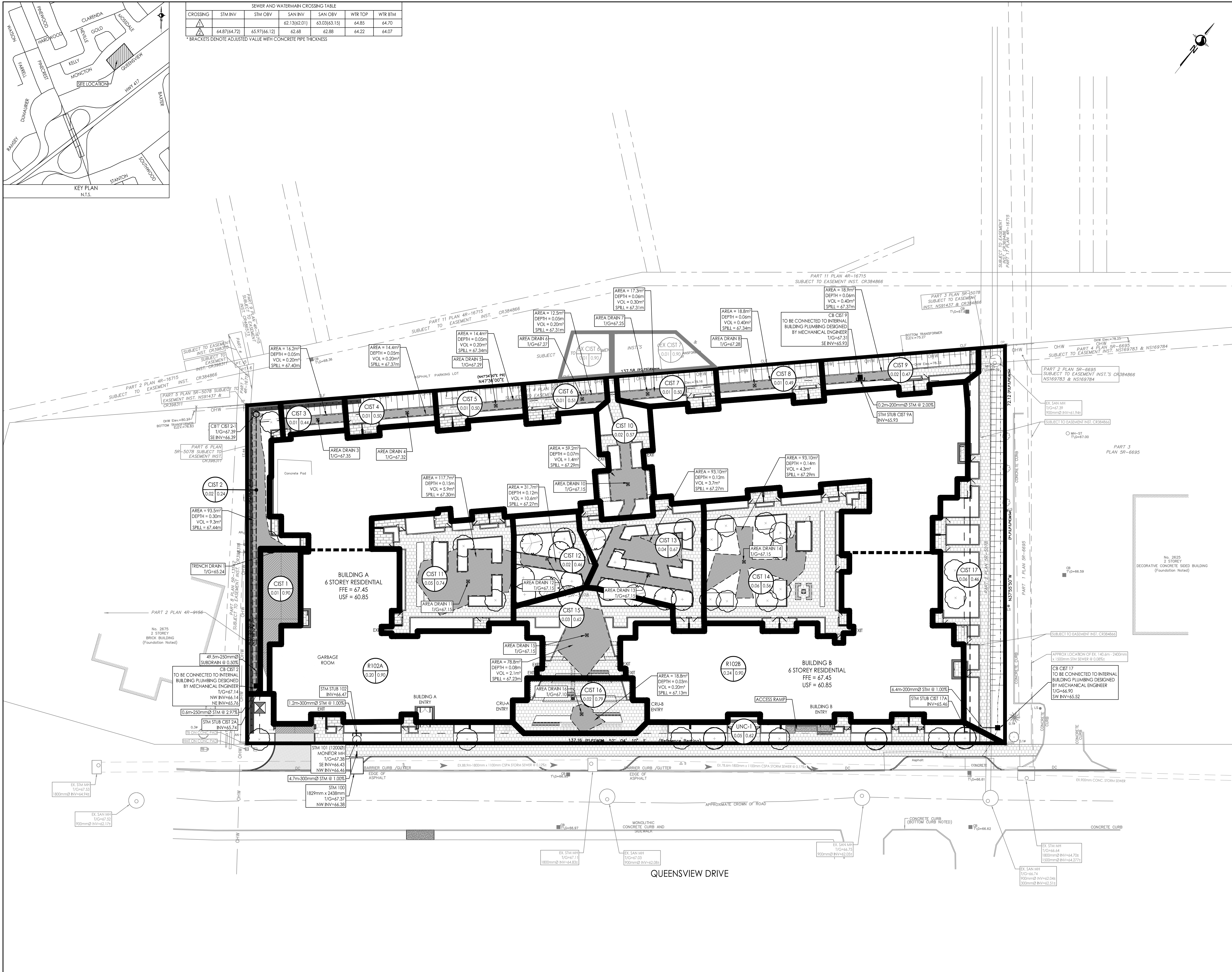




SEWER AND WATERMAIN CROSSING TABLE						
CROSSING	STM INV	STM OBV	SAN INV	SAN OBV	WTR TOP	WTR BTM
	64.87(64.72)	65.97(66.12)	62.13(62.01)	63.03(63.15)	64.85	64.70
* BRACKETS DENOTE ADJUSTED VALUE WITH CONCRETE PIPE THICKNESS						



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L101A

1.00 0.85

AREA ID

RUNOFF COEFFICIENT

STORM DRAINAGE AREA ha.

STORM DRAINAGE BOUNDARY

EXT-1

1.00 0.50

AREA ID

EXTERNAL RUNOFF COEFFICIENT

EXTERNAL STORM DRAINAGE AREA ha.

EXTERNAL STORM DRAINAGE BOUNDARY

DIRECTION OF EMERGENCY OVERLAND FLOW

PROPOSED STORM MH AND SEWER

PROPOSED CATCHBASIN MANHOLE

PROPOSED CATCHBASIN

PROPOSED CB T AND SUBDRAIN

PROPOSED AREA DRAIN TO BE DESIGNED BY MECHANICAL AND CONNECTED TO CISTERN

PROPOSED TRENCH DRAIN TO BE DESIGNED BY MECHANICAL AND CONNECTED TO CISTERN

EXISTING STORM MH AND SEWER

EXISTING CATCHBASIN

THERMAL INSULATION ON STORM SEWER WHERE COVER IS LESS THAN 2.0m AS PER S35.

MAXIMUM STATIC PONDING LIMITS

PROPOSED DRAINAGE SWALE CENTERLINE

EXISTING PROPERTY LINE

Notes

1. ALL CATCH BASINS AND TRENCH DRAINS TO BE CONNECTED TO INTERNAL PLUMBING AND COLLECTED IN STORM WATER MANAGEMENT CISTERN. INSTALLATION BY OTHERS CISTERN DESIGN BY THE STRUCTURAL CONSULTANT. CISTERN PUMP AND EMERGENCY OVERFLOW DESIGN BY THE MECHANICAL CONSULTANT.

2. FINAL METER AND REMOTE METER LOCATIONS TO BE CONFIRMED BY MECHANICAL CONSULTANT.

3. THE LOCATION AND ELEVATION OF SEWERS, WATERMAIN AND UTILITIES IS APPROXIMATE ONLY AND THE EXACT LOCATION AND ELEVATIONS SHOULD BE DETERMINED BY CONSULTING THE MUNICIPAL AUTHORITIES AND UTILITY COMPANIES CONCERNED. THE CONTRACTOR SHALL PROVIDE THE LOCATION AND ELEVATION OF SEWERS, WATERMAINS AND UTILITIES AND SHALL BE RESPONSIBLE FOR THEIR PROTECTION AND THE IMPLEMENTATION OF ANY NECESSARY PROCEDURES CALLED FOR IN THE APPROPRIATE STANDARDS AND REGULATIONS. ANY DISCREPANCY WITH THE INFORMATION SHOWN ON THESE PLANS SHALL BE REPORTED TO THE ENGINEER PRIOR TO COMMENCING WITH CONSTRUCTION.

4. INTERNAL PLUMBING AND SUMP PUMPS TO BE DESIGNED BY THE MECHANICAL CONSULTANT. STORMWATER MANAGEMENT TO BE PROVIDED THROUGH A 140m³ CISTERN LOCATED IN THE UNDERGROUND PARKING.

5. MAX. CISTERN RELEASE RATE TO STORM SEWER = 32 L/S.

6. SUMP PUMP REQUIRED TO DISCHARGE UNDERGROUND PARKING LEVELS TO INTERNAL SANITARY SEWER. (REFER TO MECHANICAL DRAWINGS FOR DETAILS)

7. FLOOR DRAINING LOCATED INSIDE PARKING GARAGE TO BE CONNECTED TO BUILDING INTERNAL SANITARY SEWER.

8. USF TO BE CONFIRMED BY THE STRUCTURAL CONSULTANT. SUMP PUMP REQUIRED TO DISCHARGE FOUNDATION DRAINAGE SYSTEM. (REFER TO MECHANICAL DRAWINGS FOR DETAILS)

0	ISSUED FOR SPA	MJS	DT	26.08.24
Revision		By	Appd.	YY.MM.DD
File Name: 160402157 DB.dwg		MJS	DT	26.01.05
Permit Seal		Dwn.	Chkd.	Dsgn.

Client/Project
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Title
STORM DRAINAGE PLAN

Project No.
160402157

Drawing No.
SD-1

Scale
1:300

Sheet
6 of 8

Revision
0

PLAN # XXXXX

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