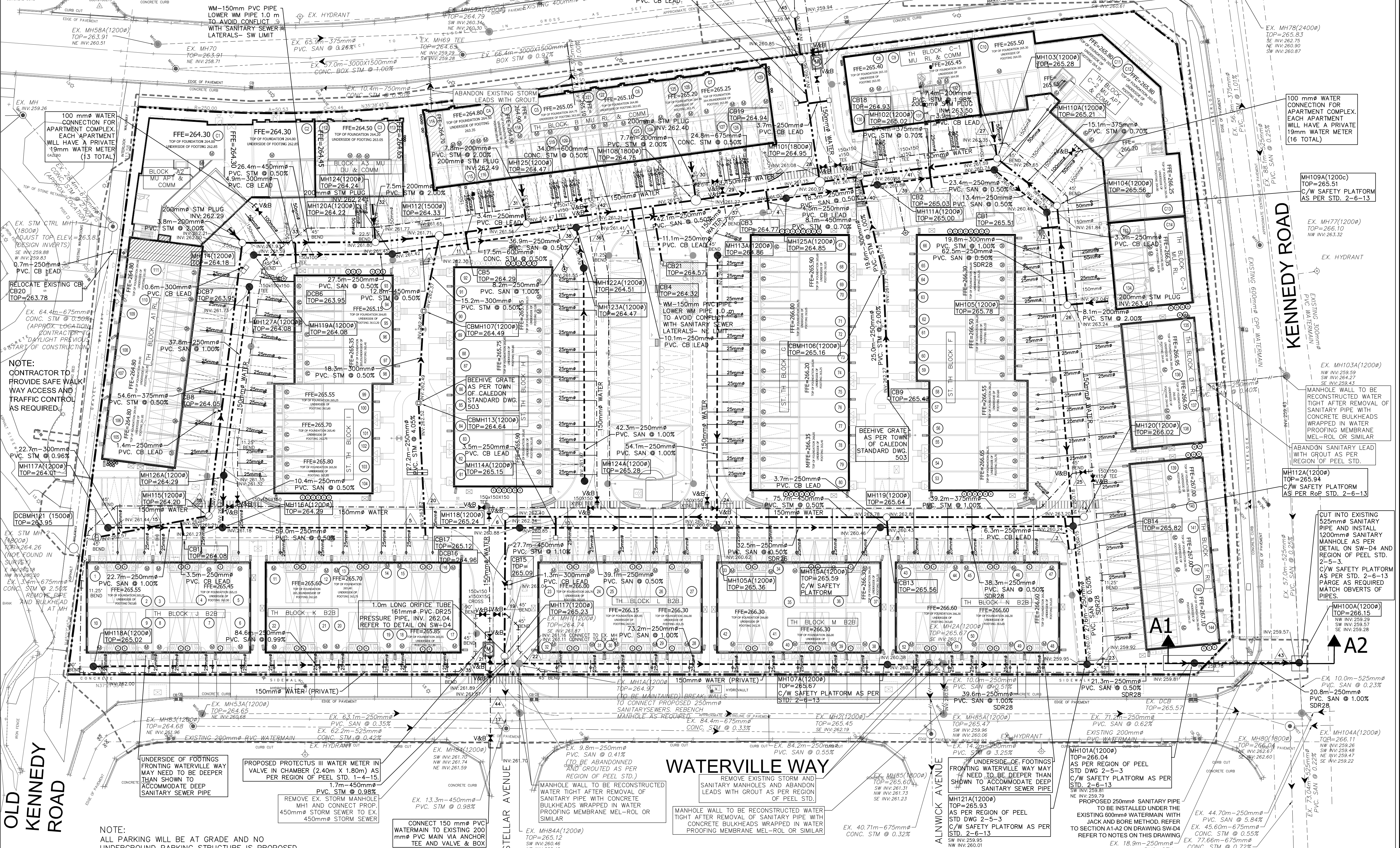


NOTES:

1. WATERMAIN SERVICE CONNECTIONS TO BE 25mm FOR ALL RESIDENTIAL UNITS (TOTAL 144), 50mm FOR ALL COMMERCIAL UNITS (TOTAL 14 CONNECTIONS), AND 100mm FOR THE APARTMENT COMPLEXES (TOTAL 2 CONNECTIONS).
2. TWO PUBLIC 150mm PVC PROTECTUS III WATER METERS IN CHAMBERS WILL BE INSTALLED AS PER REGION OF PEEL STANDARD 1-4-15. ONE IN EACH SITE SERVICE CONNECTION CHAMBER. SHALL BE CONSTRUCTED AS PER REGION OF PEEL STANDARD 1-1-6 AND WILL BE 2.4 m x 1.8 m INTERNAL DIMENSIONS. PRIVATE WATER METERS FOR RESIDENTIAL UNITS (INCLUDING APARTMENTS) WILL BE 19mm IN BUILDING (TOTAL 173 UNITS). PRIVATE WATER METERS FOR ALL COMMERCIAL UNITS WILL BE 38mm IN BUILDING (TOTAL 14 UNITS).
3. SANITARY SERVICE CONNECTIONS TO BE 125mm FOR RESIDENTIAL UNITS, AND 150mm FOR COMMERCIAL UNITS AND APARTMENT COMPLEXES. SAMPLING MANHOLES ARE PROPOSED IN EACH OF THE SANITARY SERVICES FOR COMMERCIAL UNITS AND APARTMENT COMPLEXES.
4. BLOCKS A2, A3, B, C-1, C-2 AND C-3 WILL BE SLAB ON GRADES AND WILL HAVE NO GRADING TIE CONNECTION TO STORM SEWER SYSTEM. ALL OTHER BLOCKS WILL HAVE SUMP PUMPS DISCHARGING TO WEEPE AS PER DETAIL ON SW-D2.
5. PRIVATE WATER METERS TO BE LOCATED IN A HEATED & ACCESSIBLE SPACE WITHIN THE PROPOSED BUILDINGS.

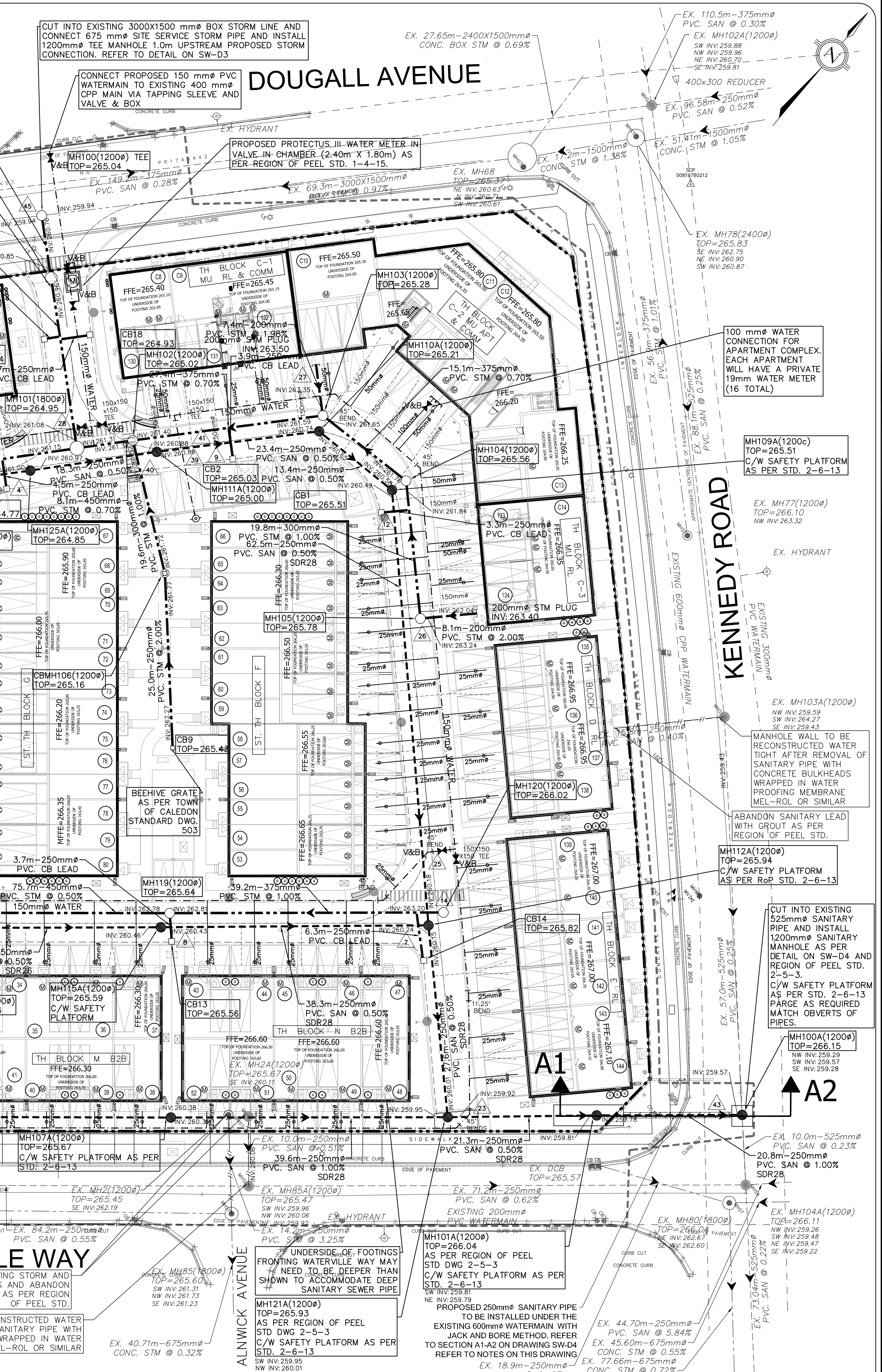
JACK AND BORE NOTES:

1. ALL CROSSED UTILITIES MUST BE DAY LIGHTED IN ADVANCE AND DURING THE CONSTRUCTION OF THE STEEL LINER, UNDER REGION OF PEEL INSPECTOR SUPERVISION.
2. ALL JOINTS OF THE SANITARY SEWER LATERAL MUST BE MECHANICALLY RESTRAINED IN THE STEEL LINER.
3. THE SANITARY SEWER LATERAL IS TO PASS THE CCTV INSPECTION, THE DEFORMATION GAUGE (PIG) TEST AND THE LASER CHECK OF SLOPE.
4. THE SPACE BETWEEN THE STEEL LINER AND THE PROPOSED SERVICE PIPE MUST BE GROUTED. GROUTING TO BE COMPLETED BY STARTING AT THE LOW END AND PROGRESSING CONTINUOUSLY TO THE HIGHER END. PROVIDE GROUT HOLES AND BREATHER HOLES. GROUTING TO BE CARRIED OUT AFTER THE PROPOSED SANITARY SEWER LATERAL PASSES THE CCTV INSPECTION.

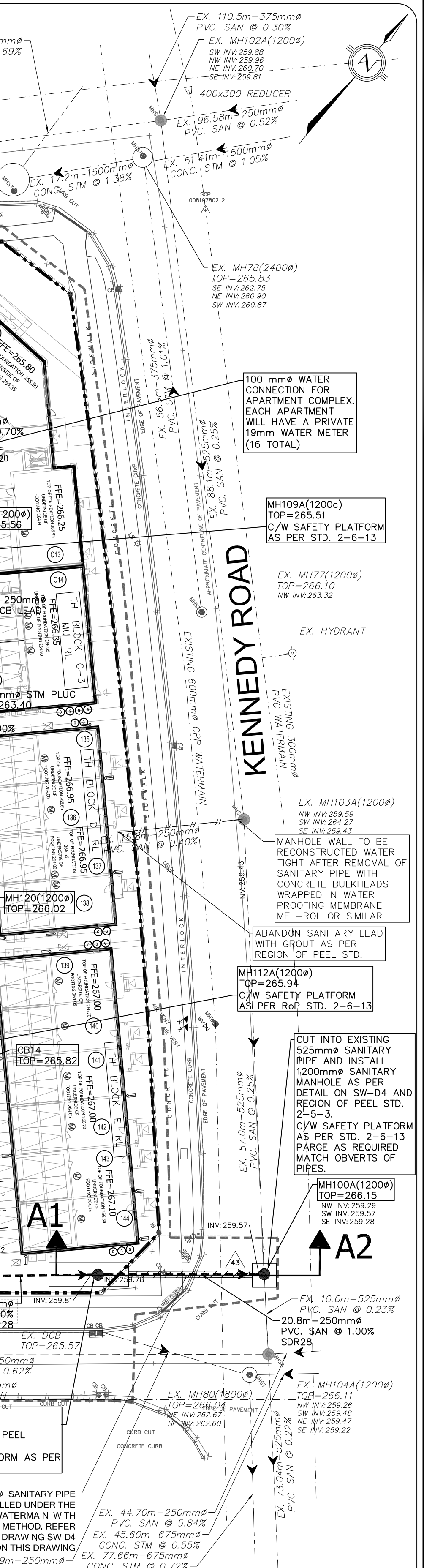


- NOTE: ALL PARKING WILL BE AT GRADE AND NO UNDERGROUND PARKING STRUCTURE IS PROPOSED
- REGION OF PEEL NOTES:
- 1) All materials and construction methods must correspond to the current Peel Public Works standards and specifications.
  - 2) Watermain and / or water service materials 100 mm (4") and larger must be DR 18 P.V.C. pipe manufactured to A.W.W.A. spec. C900-16 complete with tracer wire. Size 50 mm (2") and smaller must be Type 'K' soft copper pipe per A.S.T.M. B88-49 Specification.
  - 3) Watermains and / or water services are to have a minimum cover of 1.7 m (5'6") with a minimum horizontal spacing of 1.2 m (4") from themselves and all other utilities.
  - 4) Provisions for flushing water line prior to testing, etc. must be provided with at least a 50 mm (2") outlet on 100 mm (4") and larger lines. Copper lines are to have flushing points at the end, the same size as the line. They must also be hoisted or piped to allow the water to drain onto a parking lot or down a drain. On fire lines, flushing outlet to be 100 mm (4") diameter minimum on a hydrant.
  - 5) All curb stops to be 30 mm (10") off the face of the building unless otherwise noted.
  - 6) Hydrant and valve set to Region standard 1 - 6 - 1 Dimension A and B, 0.7 m (2') and 0.9 m (3') and to have pumper nozzle.
  - 7) Watermains to be installed to grades as shown on approved site plan. Copy of grade sheet must be supplied to inspector prior to commencement of work, where requested by inspector.
  - 8) Watermains must have a minimum vertical clearance of 0.3 m (12") over 0.5 m (20") under sewers and all other utilities when crossing.
  - 9) All proposed water piping must be isolated from existing lines in order to allow independent pressure testing and chlorinating from existing systems.
  - 10) All live tapping and operation of Region water valves shall be arranged through the

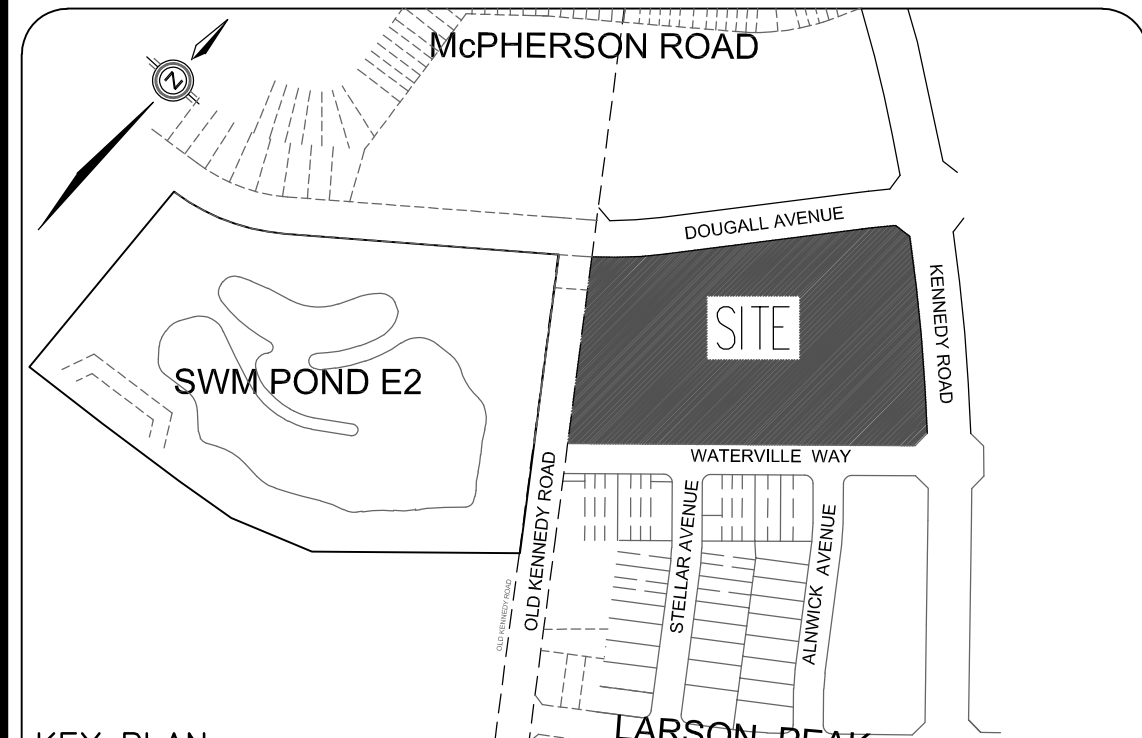
- Regional Inspector assigned or by contacting the Operations and Maintenance Division.
- 11) Location of all existing utilities in the field to be established by the contractor.
  - 12) The contractor(s) shall be solely responsible for locating, exposing, supporting and protecting of all underground and overhead utilities and structures existing at the time of construction in the area of their work whether shown on the plans or not and for all repairs and consequences resulting from damage to same.
  - 13) The contractor(s) shall be solely responsible to give 72 hours written notice to the utility prior to crossing such utilities, for the purpose of inspection by the concerned utility. This inspection will be for the duration of the construction, with the contractor responsible for all costs arising from such inspection.
  - 14) All proposed water piping must be isolated through a temporary connection that shall include an appropriate cross-connection control device, consistent with the degree of hazard, for backflow prevention of the active distribution system, conforming to Region of Peel standards 1-7-1 to 1-7-8.
- NOTES ON SANITARY SEWER INSTALLATION WITH JACK AND BORE METHOD:
- 1) Casing spacers to be made of 1/4" stainless steel.
  - 2) Bearing surfaces (runners) shall be ultra high molecular weight polymer or equivalent.
  - 3) Positioning of spacers along the sanitary sewer is to be as per the manufacturer's specifications.
  - 4) Position of pipe within liner to be centered and restrained, sufficient enough to provide no less than 19 mm (3/4 inch) clearance between the casing pipe and the outside diameter of the bell.
  - 5) The sanitary sewer shall be restrained laterally for the entire length of the liner.
  - 6) Liner to be sealed using wrap ground rubber ends complete with stainless steel (1-304) banding.
- BLOCK UNITS\*  
 A1=7 TH A2=13 APT + 2 COMM A3=2 DU + 1 COMM B=16 DU + 4 COMM C1=3 DU + 2 COMM C2=16 APT + 4 COMM C3=2 DU + 1 COMM D=4 RL E=6 RL F=14 B2B G=14 B2B H=10 B2B I=12 ST TH J=12 ST TH K=10 B2B L=10 B2B M=10 B2B N=10 B2B  
 TOTAL UNITS  
 29 APT 7 TH 14 RL 80 B2B 24 ST TH 23 DU 14 COMM
- ABBREVIATIONS  
 TH=TOWNHOUSE B2B=BACK TO BACK COMM=COMMERCIAL USE RL=REAR LANE UNIT APT=APARTMENT COM=COMMERCIAL RL=REAR-LANE APT=APARTMENT (RESIDENTIAL) BLDG=BLOCK ST TH=STACKED TOWNHOMES DU=DWELLING UNITS
- Pipe Interference Table
- | NO. | PIPE 1 | PIPE 2 | Clearance |
|-----|--------|--------|-----------|
| 36  | SAN    | SAN    | 1.220     |
| 37  | SAN    | SAN    | 1.490     |
| 38  | SAN    | SAN    | 1.130     |
| 39  | SAN    | SAN    | 2.080     |
| 40  | SAN    | SAN    | 0.370     |
| 41  | SAN    | SAN    | 1.327     |
| 42  | SAN    | SAN    | 0.481     |
| 43  | SAN    | SAN    | 0.401     |
| 44  | SAN    | SAN    | 2.579     |
| 45  | SAN    | SAN    | 1.633     |



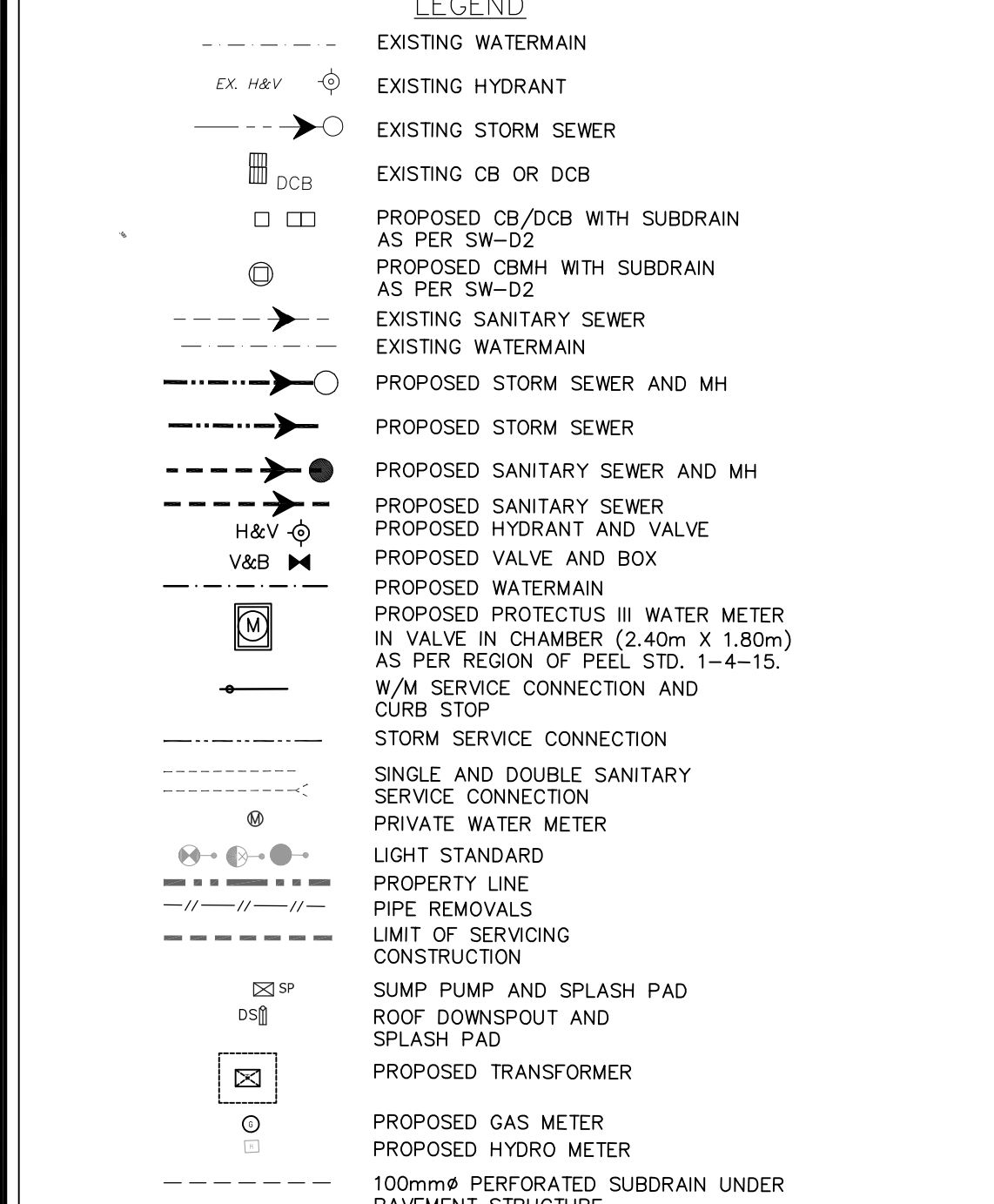
- Pipe Interference Table
- | NO. | PIPE 1 | PIPE 2 | Clearance |
|-----|--------|--------|-----------|
| 24  | SAN    | WM     | 2.600     |
| 25  | SAN    | WM     | 3.710     |
| 26  | SAN    | WM     | 1.590     |
| 27  | SAN    | WM     | 1.340     |
| 28  | SAN    | WM     | 1.405     |
| 29  | SAN    | WM     | 0.995     |
| 30  | SAN    | WM     | 1.030     |
| 31  | SAN    | WM     | 0.560     |
| 32  | SAN    | WM     | 0.500     |
| 33  | SAN    | WM     | 0.500     |
| 34  | SAN    | WM     | 0.500     |
| 35  | SAN    | WM     | 1.990     |



- Pipe Interference Table
- | NO. | PIPE 1 | PIPE 2 | Clearance |
|-----|--------|--------|-----------|
| 12  | STM    | SAN    | 2.979     |
| 13  | STM    | SAN    | 1.617     |
| 14  | STM    | SAN    | 2.723     |
| 15  | STM    | SAN    | 1.306     |
| 16  | STM    | SAN    | 0.451     |
| 17  | STM    | SAN    | 0.895     |
| 18  | STM    | SAN    | 0.500     |
| 19  | STM    | SAN    | 0.790     |
| 20  | STM    | SAN    | 0.500     |
| 21  | STM    | SAN    | 1.962     |
| 22  | STM    | SAN    | 1.348     |
| 23  | STM    | SAN    | 3.920     |



- KEY PLAN
- BENCHMARK NOTE  
 ELEVATIONS SHOWN HEREON ARE GEODETIC AND ARE REFERRED TO THE TOWN OF CALEDON BENCHMARK NO. C081999991, HAVING AN ELEVATION OF 265.11 METRES. TABLE IS SET HORIZONTALLY IN WEST FACE OF STONE FOUNDATION, 0.70 METRES SOUTH OF NORTHWEST CORNER AND 0.09 METRES BELOW BRICKWORK. LOCATED AT TWO STOREY RED BRICK HOUSE ON EAST SIDE OF HIGHWAY 10, 2.7 KILOMETRES NORTH OF JUNCTION OF HIGHWAY 10 AND PEEL REGIONAL ROAD 14 IN THE HAULET OF SHELBOURNE, 0.4 KILOMETRES SOUTH OF CALEDON RIDER ROAD 22 AND 13.78 METRES EAST OF CENTRELINE OF HIGHWAY 10.
- TOPOGRAPHY  
 PROVIDED BY: RADY-PENTEK & EDWARD SURVEYING LTD.  
 ONTARIO LAND SURVEYORS  
 643 Christie Road, Suite 7  
 Woodbridge, Ontario L4L 8A3  
 Tel: (416) 635-5000 Fax: (416) 635-5001



No.	ISSUED FOR	DATE	BY	CITY
14.	ISSUED FOR SPA#4	FEB 23/21	GR	
13.	RE-ISSUED FOR CONTRACTOR COORDINATION	OCT 28/20	GR	
12.	ISSUED FOR CONDITIONAL SERVICING PERMIT	SEP 18/20	GR	
11.	ISSUED TO REGION	SEP 15/20	GR	
10.	ISSUED TO REGION	SEP 10/20	GR	
9.	ISSUED FOR CONTRACTOR COORDINATION	SEP 09/20	GR	
8.	ISSUED FOR PERMIT	JULY 24/20	GR	
7.	ISSUED TO TOWN AND REGION	JULY 22/20	GR	
6.	ISSUED FOR SPA#3	MAY 29/20	GR	
5.	ISSUED FOR TOWN'S COMMENTS	MAY 21/20	GR	
4.	ISSUED FOR TENDER	MAY 11/20	GR	
3.	RE-ISSUED FOR SPA#2	FEB 11/20	GR	
2.	ISSUED FOR SPA#2	OCT 22/19	BJ	
1.	ISSUED FOR SPA#2	OCT 1/18	BJ	
No.	REVISIONS/ISSUED	DATE	BY	CITY

counterpoint ENGINEERING  
 8395 Jane St., Suite 100, Vaughan, ON L4K 5Y2 Phone 905.236.1404 Fax 905.236.1405  
 LICENSED PROFESSIONAL ENGINEER  
 G. ROUBY  
 90202840  
 PROVINCE OF ONTARIO  
 ENGINEER'S STAMP

APPLICANT:  
 BUTTERMILL DEVELOPMENTS INC.  
 1 YORKDALE ROAD  
 NORTH YORK, ON, M6A 3A1

SITE LOCATION:  
 BUTTERMILL MIXED-USE DEVELOPMENT  
 KENNEDY RD & DOUGALL AVE.  
 CALEDON, ONTARIO.  
 SITE PLAN FILE NO.: SP-18-078C

TOTAL NUMBER OF UNITS: 189 UNITS	PROPOSED DEVELOPMENT TYPES
REAR-LANE TOWNHOUSES: 17 UNITS	1-FREEHOLD (INDIVIDUAL) PLOTS (BLOCKS A, D, E, J, K, L, M, H)
BACK-TO-BACK STACKED TOWNHOUSES: 104 UNITS	2-STANDARD CONDOMINIUM I (BLOCKS C, G, F)
APARTMENT IN MIXED USED BUILDINGS: 29 UNITS	3-STANDARD CONDOMINIUM II (BLOCKS A2, G, I, H)
DWELLINGS IN MIXED USED BUILDINGS: 23 UNITS	4-COMMON ELEMENTS (COMMON DRIVE AISLES AND LANDSCAPE AREAS WITHIN PART 7)
COMMERCIAL UNITS: 14 UNITS	

