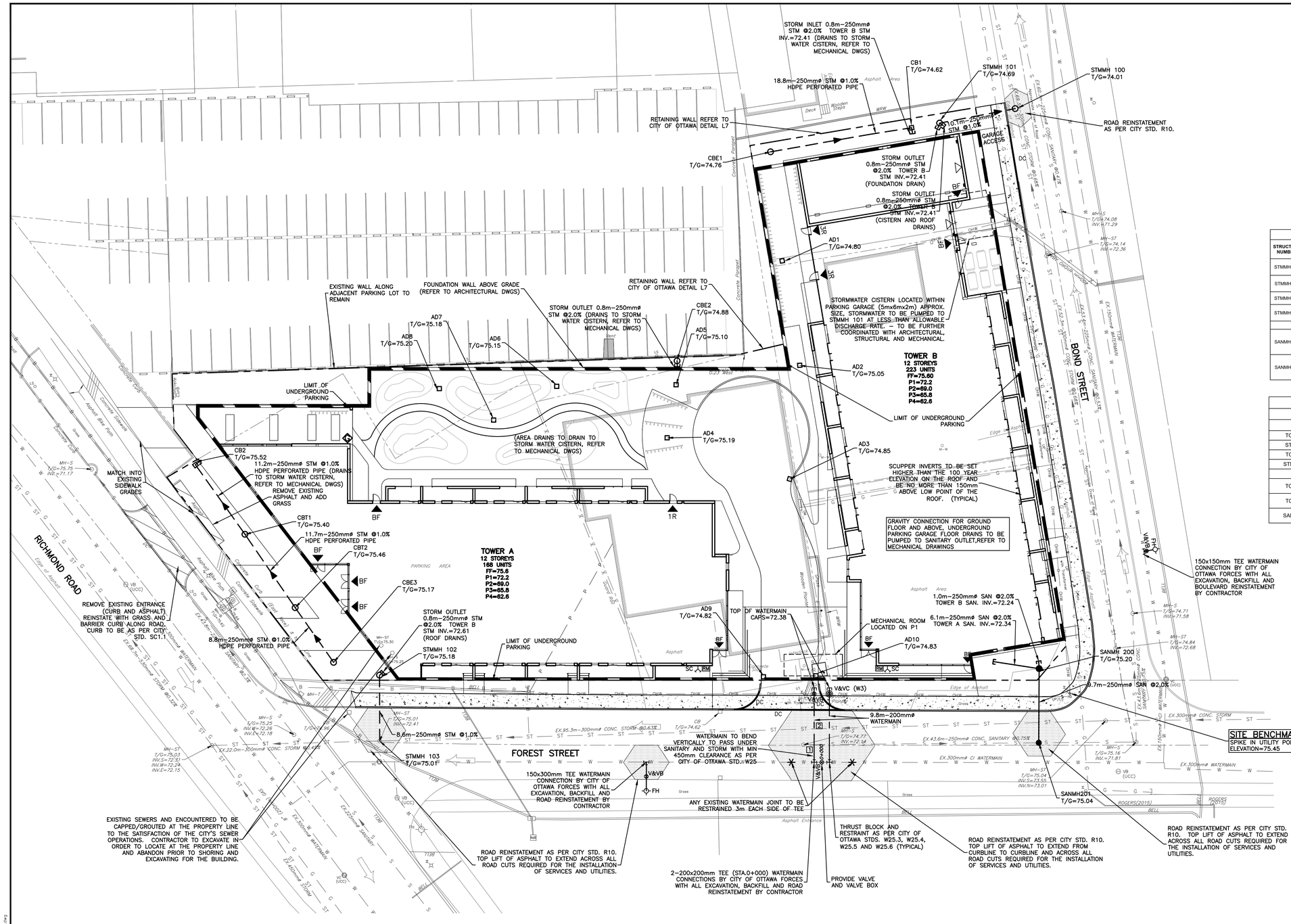
STORM INLET 0.8m–250mmø STM @2.0% TOWER B STM INV.=72.41 (DRAINS TO STORM WATER CISTERN, REFER TO MECHANICAL DWGS)
CB1 T/G=74.62
STMMH 101 T/G=74.69
STMMH 100 T/G=74.01
18.8m–250mmø STM @1.0% HDPE PERFORATED PIPE
RETAINING WALL REFER TO CITY OF OTTAWA DETAIL L7
10.1m–250mmø STM @1.0%
ROAD REINSTATEMENT AS PER CITY STD. R10.
GARAGE ACCESS
CBE1 T/G=74.76
STORM OUTLET 0.8m–250mmø STM @2.0% TOWER B STM INV.=72.41 (FOUNDATION DRAIN)
STORM OUTLET 0.8m–250mmø STM @2.0% TOWER B STM INV.=72.41 (CISTERN AND ROOF DRAINS)
AD1 T/G=74.80
EXISTING WALL ALONG ADJACENT PARKING LOT TO REMAIN
FOUNDATION WALL ABOVE GRADE (REFER TO ARCHITECTURAL DWGS)
STORM OUTLET 0.8m–250mmø STM @2.0% (DRAINS TO STORM WATER CISTERN, REFER TO MECHANICAL DWGS)
RETAINING WALL REFER TO CITY OF OTTAWA DETAIL L7
CBE2 T/G=74.88
AD7 T/G=75.18
AD8 T/G=75.20
AD6 T/G=75.15
AD5 T/G=75.10
STORMWATER CISTERN LOCATED WITHIN PARKING GARAGE (5mx6mx2m) APPROX. SIZE. STORMWATER TO BE PUMPED TO STMMH 101 AT LESS THAN ALLOWABLE DISCHARGE RATE. – TO BE FURTHER COORDINATED WITH ARCHITECTURAL, STRUCTURAL AND MECHANICAL.
TOWER B
12 STOREYS
223 UNITS
FF=75.60
P1=72.2
P2=69.0
P3=65.8
P4=62.6
AD2 T/G=75.05
LIMIT OF UNDERGROUND PARKING
BOND STREET
LIMIT OF UNDERGROUND PARKING
(AREA DRAINS TO DRAIN TO STORM WATER CISTERN, REFER TO MECHANICAL DWGS)
AD4 T/G=75.19
AD3 T/G=74.85
SCUPPER INVERTS TO BE SET HIGHER THAN THE 100 YEAR ELEVATION ON THE ROOF AND BE NO MORE THAN 150mm ABOVE LOW POINT OF THE ROOF. (TYPICAL)
GRAVITY CONNECTION FOR GROUND FLOOR AND ABOVE, UNDERGROUND PARKING GARAGE FLOOR DRAINS TO BE PUMPED TO SANITARY OUTLET,REFER TO MECHANICAL DRAWINGS
CB2 T/G=75.52
11.2m–250mmø STM @1.0% HDPE PERFORATED PIPE (DRAINS TO STORM WATER CISTERN, REFER TO MECHANICAL DWGS)
REMOVE EXISTING ASPHALT AND ADD GRASS
MATCH INTO EXISTING SIDEWALK GRADES
CBT1 T/G=75.40
11.7m–250mmø STM @1.0% HDPE PERFORATED PIPE
CBT2 T/G=75.46
TOWER A
12 STOREYS
168 UNITS
FF=75.6
P1=72.2
P2=69.0
P3=65.8
P4=62.6
CBE3 T/G=75.17
STORM OUTLET 0.8m–250mmø STM @2.0% TOWER B STM INV.=72.61 (ROOF DRAINS)
AD9 T/G=74.82
TOP OF WATERMAIN CAPS=72.38
MECHANICAL ROOM LOCATED ON P1
6.1m–250mmø SAN @2.0% TOWER A SAN. INV.=72.34
1.0m–250mmø SAN @2.0% TOWER B SAN. INV.=72.24
AD10 T/G=74.83
150x150mm TEE WATERMAIN CONNECTION BY CITY OF OTTAWA FORCES WITH ALL EXCAVATION, BACKFILL AND BOULEVARD REINSTATEMENT BY CONTRACTOR
REMOVE EXISTING ENTRANCE (CURB AND ASPHALT) REINSTATE WITH GRASS AND BARRIER CURB ALONG ROAD. CURB TO BE AS PER CITY STD. SC1.1
8.8m–250mmø STM @1.0% HDPE PERFORATED PIPE
STMMH 102 T/G=75.18
LIMIT OF UNDERGROUND PARKING
SANMH 200 T/G=75.20
9.7m–250mmø SAN @2.0%
V&VC (W3)
9.8m–200mmø WATERMAIN
8.6m–250mmø STM @1.0%
STMMH 103 T/G=75.01
FOREST STREET
SITE BENCHMARK
SPIKE IN UTILITY POLE
ELEVATION=75.45
WATERMAIN TO BEND VERTICALLY TO PASS UNDER SANITARY AND STORM WITH MIN 450mm CLEARANCE AS PER CITY OF OTTAWA STD.w25
150x300mm TEE WATERMAIN CONNECTION BY CITY OF OTTAWA FORCES WITH ALL EXCAVATION, BACKFILL AND ROAD REINSTATEMENT BY CONTRACTOR
V&VB
FH
ANY EXISTING WATERMAIN JOINT TO BE RESTRAINED 3m EACH SIDE OF TEE
SANMH201 T/G=75.04
EXISTING SEWERS AND ENCOUNTERED TO BE CAPPED/GROUTED AT THE PROPERTY LINE TO THE SATISFACTION OF THE CITY'S SEWER OPERATIONS. CONTRACTOR TO EXCAVATE IN ORDER TO LOCATE AT THE PROPERTY LINE AND ABANDON PRIOR TO SHORING AND EXCAVATING FOR THE BUILDING.
ROAD REINSTATEMENT AS PER CITY STD. R10. TOP LIFT OF ASPHALT TO EXTEND ACROSS ALL ROAD CUTS REQUIRED FOR THE INSTALLATION OF SERVICES AND UTILITIES.
2–200x200mm TEE (STA.0+000) WATERMAIN CONNECTIONS BY CITY OF OTTAWA FORCES WITH ALL EXCAVATION, BACKFILL AND ROAD REINSTATEMENT BY CONTRACTOR
PROVIDE VALVE AND VALVE BOX
THRUST BLOCK AND RESTRAINT AS PER CITY OF OTTAWA STDS. W25.3, W25.4, W25.5 AND W25.6 (TYPICAL)
ROAD REINSTATEMENT AS PER CITY STD. R10. TOP LIFT OF ASPHALT TO EXTEND FROM CURBLINE TO CURBLINE AND ACROSS ALL ROAD CUTS REQUIRED FOR THE INSTALLATION OF SERVICES AND UTILITIES.
ROAD REINSTATEMENT AS PER CITY STD. R10. TOP LIFT OF ASPHALT TO EXTEND ACROSS ALL ROAD CUTS REQUIRED FOR THE INSTALLATION OF SERVICES AND UTILITIES.
RICHMOND ROAD
FOREST GLEN CRT
BOND STREET
FOREST GLEN CRT
Ex.600mm STORM
Ex.300mm WATERMAIN
Ex.250mm SANITARY
Ex.300mm WATERMAIN
Ex.300mm STORM
Ex.150mm WATERMAIN
Ex.300mm WATERMAIN
Ex.300mm CONC. STORM
Ex.300mm WATERMAIN
Ex.300mm CONC. STORM
Ex.43.6m–250mmø CONC. SANITARY @0.75%
Ex.300mm CI WATERMAIN
Ex.300mm WATERMAIN
Ex.300mm CONC. STORM
Ex.95.3m–300mmø CONC. STORM @0.63%
Ex.22.0m–300mmø CONC. STORM @0.72%
Ex.68.8m–300mmø STORM @0.5%
Ex.300mm W WATERMAIN
Ex.250mm SANITARY
Ex.300mm STORM
Ex.300mm WATERMAIN
Ex.300mm STORM
Ex.300mm WATERMAIN
ROGERS(2015)
ROGERS(2015)
Ex.150mm WATERMAIN
Ex.300mm CONC. STORM
Ex.300