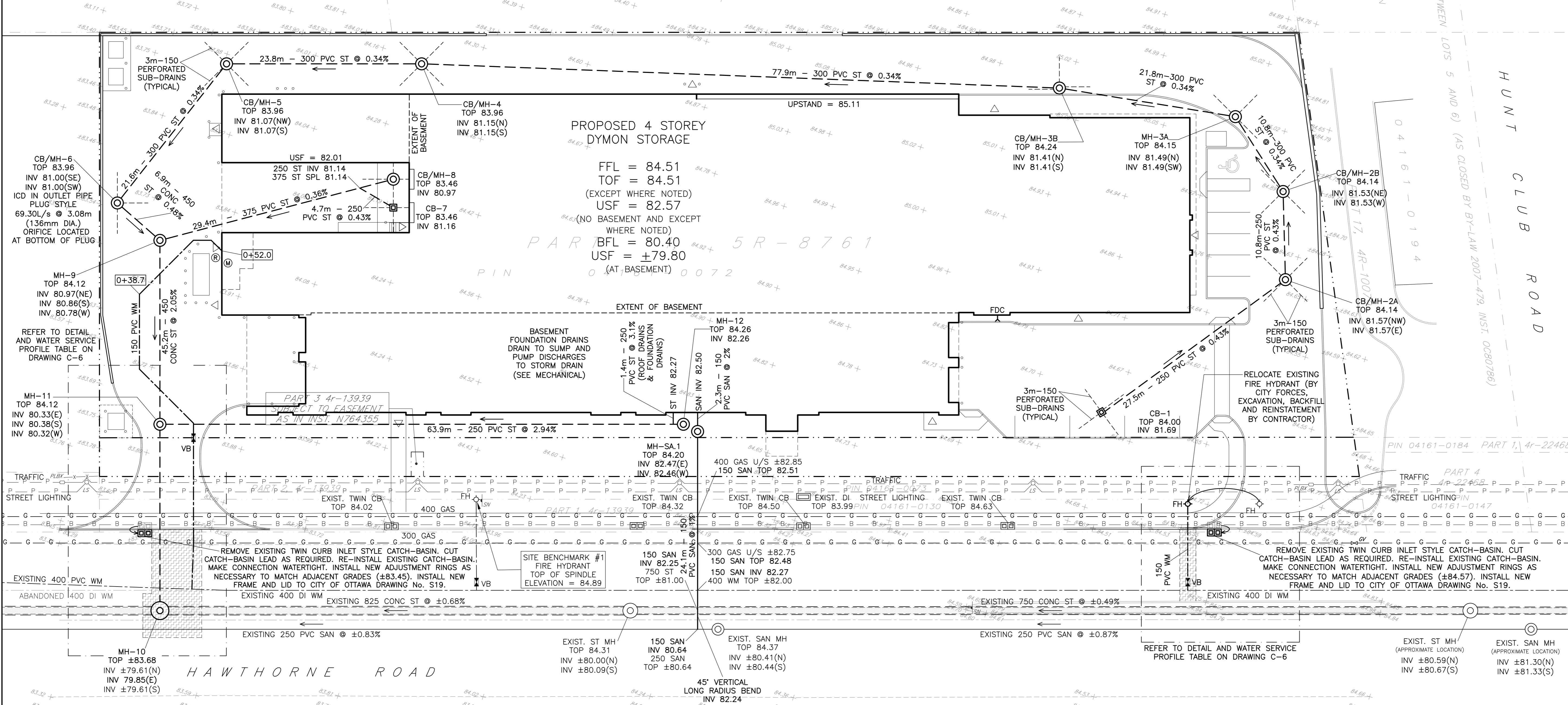
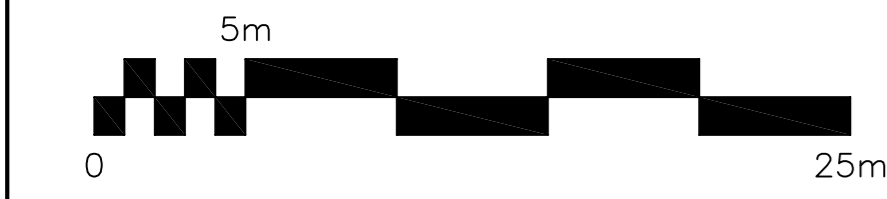
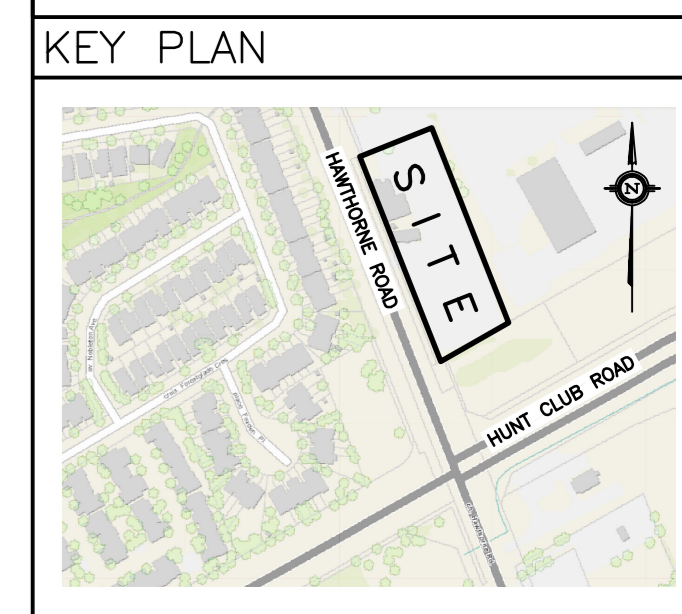


TWO (2) VITAL GAS MAINS ARE LOCATED IN THE HAWTHORNE ROAD ROW. LOCATES ARE REQUIRED. HYDROVAC AND/OR HAND EXCAVATION IS REQUIRED WITHIN 3m OF THE GAS MAINS. ENBRIDGE THIRD PARTY STANDBY IS REQUIRED FOR ALL CONSTRUCTION ACTIVITIES IN THE VICINITY OF THE GAS MAINS. REFER TO ENBRIDGE'S *THIRD PARTY REQUIREMENTS IN THE VICINITY OF NATURAL GAS FACILITIES* DOCUMENT FOR ACTIVITIES IN THE VICINITY OF THE GAS MAINS. COORDINATE CONSTRUCTION SCHEDULING WITH ENBRIDGE. ANY CONSTRUCTION METHODS OR EXTERNAL LOADING CAUSED BY HEAVY MACHINERY DURING CONSTRUCTION MUST BE APPROVED BY ENBRIDGE GAS DISTRIBUTION INC. PRIOR TO COMMENCEMENT OF CONSTRUCTION EXPOSE BOTH GAS MAINS AND DETERMINE THEIR EXACT LOCATIONS AND GEODETIC TOP AND BOTTOM ELEVATIONS. REPORT FINDINGS TO ENGINEER.

PART 16, 4R-10079



DRAWING LEGEND	
CB	CATCH BASIN
MH	MANHOLE
CB/MH	CATCH BASIN/MANHOLE
SPL	SPRINGLINE OF PIPE
INV	INVERT OF PIPE
SAN	SANITARY SEWER
ST	STORM SEWER
WS/WM	WATER SERVICE/WATERMAIN
VB	VALVE & VALVE BOX
FH	FIRE HYDRANT
FDC	FIRE DEPARTMENT CONNECTION
RD	ROOF DRAIN
WM	WATER METER
RM	REMOTE WATER METER READOUT
EG	EXISTING GRADE ELEVATION
+67.89	PROPOSED GRADE ELEVATION
2%	PROPOSED SLOPE OF GRADE
→	EMERGENCY OVERLAND FLOW
---	CENTERLINE OF SWALE
---	PROPERTY LINE
---	SILT FENCE BARRIER
D.C.	150mm CURB/DEPRESSED CURB
---	LIGHT-DUTY PAVEMENT
---	HEAVY-DUTY PAVEMENT
---	ROAD CUT REINSTATEMENT
---	CONCRETE
---	LANDSCAPE
FFL	FIRST FLOOR ELEVATION
TOF	TOP OF FOUNDATION
USF	UNDERSIDE OF FOOTING



No.	DATE	REVISION
6	MAY 31-22	RE-ISSUED FOR APPROVAL
5	JAN 28-22	ISSUED WITH AN ADDENDUM
4	NOV 1-21	ISSUED FOR TENDER
3	OCT 8-21	ISSUED FOR BUILDING PERMIT
2	DEC 11-20	ISSUED FOR APPROVAL
1	DEC 9-20	ISSUED FOR COORDINATION

**D. B. GRAY ENGINEERING INC.**  
 Stormwater Management - Grading & Drainage - Storm & Sanitary Sewers - Watermain  
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 Ottawa, Ontario  
 613-425-8044  
 d.gray@dbgrayengineering.com

Project  
**PROPOSED 4-STORY DYMON STORAGE BUILDING**  
 3455 HAWTHORNE ROAD  
 OTTAWA, ONTARIO

Drawing Title  
**SITE SERVICING PLAN**

- CONSTRUCTION MANAGEMENT PLAN FOR THE PROTECTION OF THE EXISTING 400mm MUNICIPAL WATERMAIN:**
- THERE SHALL BE NO MECHANICAL EXCAVATION WITHIN 3.0m HORIZONTALLY OR WITHIN 1.0m VERTICALLY OF THE 400mm WATERMAIN. EXCAVATE BY HAND OR HYDRO EXCAVATE.
  - THERE SHALL BE NO MECHANICAL COMPACTION WITHIN 3.0m HORIZONTALLY OR WITHIN 1.0m VERTICALLY OF 400mm WATERMAIN.
  - CONTACT CITY OF OTTAWA WATER INSPECTION STAFF PRIOR TO EXCAVATING OR COMPACTING IN THE ROAD R.O.W.
  - CONTACT CITY OF OTTAWA WATER INSPECTION STAFF TO COMPLETE ONSITE INSPECTIONS.
  - ERECT ALL TRAFFIC CONTROL SIGNAGE REQUIRED UNDER THE APPROVED TRAFFIC MANAGEMENT PLAN AND HAVE THE CITY OF OTTAWA TRAFFIC INSPECTOR COMPLETE THEIR ONSITE INSPECTION.
- FOR EACH SEWER OR UTILITY CROSSING AND FOR EACH NEW WATERMAIN CONNECTIONS AND FOR THE BLANKING OF THE EXISTING HYDRANT LEAD CONNECTION:
- SAW CUT THE ASPHALT, AS REQUIRED.
  - REMOVE THE EXISTING ASPHALT USING A MECHANICAL EXCAVATOR. ALL OTHER EXCAVATION SHALL BE BY HAND OR BY HYDROVAC EXCAVATOR. REMOVE ALL UNUSABLE MATERIALS OFF SITE.
  - CO-ORDINATE WITH THE HYDROVAC EXCAVATOR AND CREW TO CAREFULLY EXPOSE THE EXISTING 400mm WATERMAIN.
  - THE UNSUPPORTED LENGTH OF ANY WATERMAIN SHALL NOT EXCEED 1.0m. TEMPORARILY SUPPORT 400mm WATERMAIN AS PER CITY OF OTTAWA DWG. NO. W28.
  - CAREFULLY INSTALL A SHORING BOX TO PROVIDE A SAFE WORKING AREA FOR WORKERS AND THE CITY OF OTTAWA CONNECTION CREW.
  - PRIOR TO PROCEEDING WITH ANY FURTHER CONSTRUCTION HAVE CITY OF WATER INSPECTION STAFF PRESENT ON-SITE.
  - AFTER SEWER OR UTILITY CROSSINGS OR NEW WATERMAIN CONNECTIONS OR BLANKING HAVE BEEN COMPLETED: BACKFILL ANY EXCAVATION BELOW THE SPRINGLINE OF THE 400mm WATERMAIN WITH NON-SHRINK CONCRETE AND, WITHIN 3.0m HORIZONTALLY OF 400mm WATERMAIN, BED PIPES WITH 19mm CLEAR STONE OVER GEOTEXTILE FABRIC. DO NOT COMPACT. PLACE 19mm CLEAR STONE AS SURROUND MATERIAL. BACKFILL WITH 19mm CLEAR STONE TO THE UNDERSIDE OF THE GRANULAR 'B' ROAD SUB-BASE. PLACE GEOTEXTILE FABRIC AROUND CLEAR STONE; OVERLAP A MINIMUM 300mm. DO NOT COMPACT.
  - SUPPLY, INSTALL, GRADE AND COMPACT THE GRANULAR 'B' ROAD SUB-BASE AND GRANULAR 'A' BASE AS REQUIRED TO MATCH THE THICKNESS OF THE EXISTING ADJACENT STRUCTURE.
  - SUPPLY, INSTALL, GRADE AND COMPACT THE ASPHALT AS REQUIRED TO MATCH THE EXISTING ADJACENT THICKNESS.

REFER TO NOTES, DETAILS & SCHEDULES ON DRAWINGS C-5, C-6 & C-7

Engineer's Seal  
  
 Drawn D.B.G.  
 Hor. Scale 1:250  
 Vert. Scale  
 Date NOV 17-20  
 Job No. 19107  
 Drawing No.  
**C-1**  
 of 8