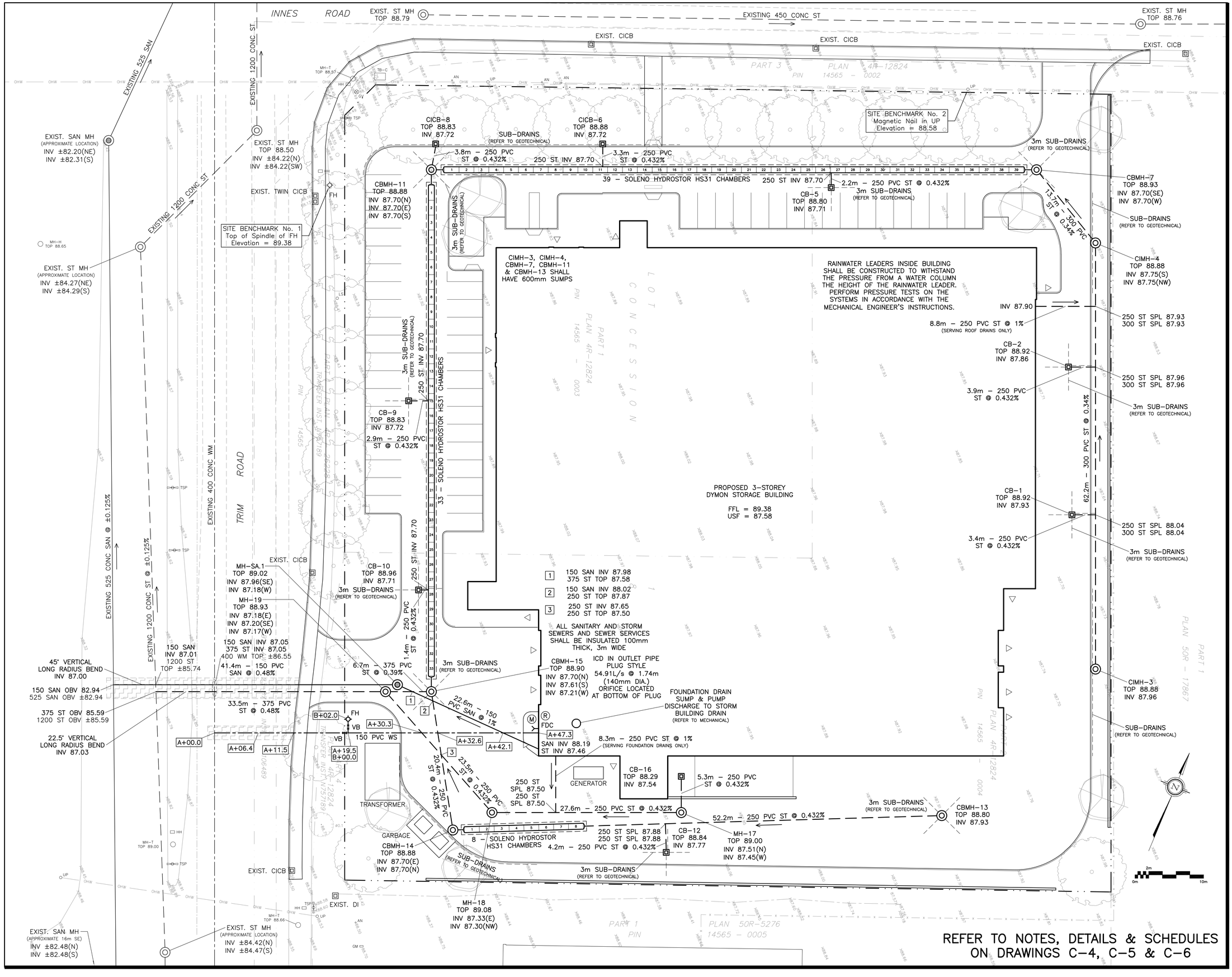
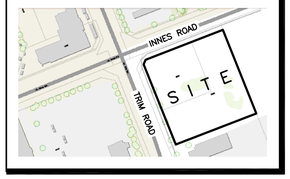


LEGEND

FFL	FINISHED FLOOR ELEVATION
TOF	TOP OF FOUNDATION
USF	UNDERSIDE OF FOOTING
	PROPERTY LINE
CB	CATCH-BASIN
MH	STORM MANHOLE
MH	SANITARY MANHOLE
FH	FIRE HYDRANT
FDC	FIRE DEPARTMENT CONNECTION
VB	VALVE & VALVE BOX
M	WATER METER
R	REMOTE WATER METER
SAN	SANITARY SEWER
ST	STORM SEWER
WS/WM	WATER SERVICE/WATERMAIN
OBV	OBVERT OF PIPE
SPL	SPRINGLINE OF PIPE
INV	INVERT OF PIPE
	ROAD CUT REINSTATEMENT

KEY PLAN



No.	DATE	REVISION
3	JUN 30-23	RE-ISSUED FOR APPROVAL
2	DEC 21-22	ISSUED FOR APPROVAL
1	DEC 19-22	ISSUED FOR COORDINATION

D. B. GRAY ENGINEERING INC.
Stormwater Management - Grading & Drainage - Storm & Sanitary Sewers - Watermains
700 Long Point Circle 613-425-8044
Ottawa, Ontario d.gray@dbgrayengineering.com

Project

PROPOSED 3-STOREY DYMON STORAGE BUILDING
5210 INNES ROAD
OTTAWA, ONTARIO

Drawing Title

SITE SERVICING PLAN

Engineer's Seal

LICENSED PROFESSIONAL ENGINEER
D.B. GRAY
17016502
JUN 30-23
PROVINCE OF ONTARIO
NOT VALID UNLESS SIGNED & DATED

Drawn	D.B.G
H. Scale	1:250
V. Scale	
Date	DEC 19-22
Job No.	21025

Drawing No.

C-1
of 7

D07-12-23-0001

#18961

INNES ROAD

TRIM ROAD

EXIST. ST MH TOP 88.79

EXIST. ST MH TOP 88.76

EXIST. CICB

REMOVE EXISTING CONCRETE CURB AND ASPHALT SIDEWALK AND CONSTRUCT NEW 150mm CURB & SIDEWALK TO CITY OF OTTAWA DRAWING No. SC1.4

REMOVE EXISTING CONCRETE CURB AND ASPHALT SIDEWALK AND CONSTRUCT NEW DEPRESSED CURB & SIDEWALK TO CITY OF OTTAWA DRAWING No. SC7.2

REMOVE EXISTING CONCRETE CURB AND ASPHALT SIDEWALK AND CONSTRUCT NEW DEPRESSED CURB & SIDEWALK TO CITY OF OTTAWA DRAWING No. SC7.1

REMOVE EXISTING CONCRETE CURB AND ASPHALT SIDEWALK AND CONSTRUCT NEW 150mm CURB & SIDEWALK TO CITY OF OTTAWA DRAWING No. SC1.4

REMOVE EXISTING CONCRETE CURB AND ASPHALT SIDEWALK AND CONSTRUCT NEW DEPRESSED CURB & SIDEWALK TO CITY OF OTTAWA DRAWING No. SC7.1

EXIST. SAN MH (APPROXIMATE LOCATION)

EXIST. ST MH TOP 88.50

EXIST. TWIN CICB

EXIST. ST MH (APPROXIMATE LOCATION)

EXIST. SAN MH (APPROXIMATE 16m SE)

EXIST. ST MH (APPROXIMATE LOCATION)

EXIST. CICB

EXIST. DI

SITE BENCHMARK No. 1
Top of Spindle of FH
Elevation = 89.38

SITE BENCHMARK No. 2
Magnetic Nail in UP
Elevation = 88.58

PROPOSED 3–STOREY
DYMON STORAGE BUILDING

FFL = 89.38
USF = 87.58

USF SHALL BE A MINIMUM 1.5m BELOW ADJACENT PROPOSED GRADES OR PROVIDE ADEQUATE INSULATION

USF = 86.88

CICB–8 TOP 88.83

CICB–6 TOP 88.88

CBMH–11 TOP 88.88

CB–5 TOP 88.80

CBMH–7 TOP 88.93

CIMH–4 TOP 88.88

CB–2 TOP 88.92

CB–1 TOP 88.92

CB–9 TOP 88.83

CB–10 TOP 88.96

CBMH–15 TOP 88.90

CIMH–3 TOP 88.88

CB–16 TOP 88.29

CBMH–13 TOP 88.80

CB–12 TOP 88.84

MH–17 TOP 89.00

MH–18 TOP 89.08

MH–SA.1 TOP 89.02

MH–19 TOP 88.93

CBMH–14 TOP 88.88

SUB–DRAINS (REFER TO GEOTECHNICAL)

3m SUB–DRAINS (REFER TO GEOTECHNICAL)

100 YEAR POND ELEVATION: 89.02

RETAINING WALL T.O.W = 88.38 B.O.W VARIES ±87.73 TO ±87.83 HEIGHT VARIES ±0.65m TO ±0.55m

RETAINING WALL T.O.W VARIES 87.90 TO 88.38 B.O.W VARIES ±87.90 TO ±87.84 HEIGHT VARIES 0m TO ±0.54m

RETAINING WALL T.O.W = 88.38 B.O.W VARIES ±87.84 TO ±87.76 HEIGHT VARIES ±0.54m TO ±0.62m

RETAINING WALL T.O.W = 88.38 B.O.W VARIES ±87.76 TO ±87.88 HEIGHT VARIES ±0.62m TO ±0.50m

RETAINING WALL T.O.W VARIES 88.38 TO 87.90 B.O.W VARIES ±87.88 TO ±87.90 HEIGHT VARIES ±0.50m TO 0m

RETAINING WALL T.O.W VARIES 88.00 TO 88.38 B.O.W VARIES ±88.00 TO ±87.83 HEIGHT VARIES 0m TO ±0.55m

PART 3 PLAN 4R–12824 PIN 14565 – 0002

PART 1 PLAN 4R–12824 PIN 14565 – 0003

LOT CONCESSION

PLAN 50R–5276 14565 – 0005

PLAN 50R–17867 PART 1

PLAN 4R–12824 PIN 14565 – 0001

REFER TO NOTES, DETAILS & SCHEDULES ON DRAWINGS C–4, C–5 & C–6

LEGEND

FFL	FINISHED FLOOR ELEVATION
TOF	TOP OF FOUNDATION
USF	UNDERSIDE OF FOOTING
	PROPERTY LINE
CB	CATCH–BASIN
MH	STORM MANHOLE
MH	SANITARY MANHOLE
FH	FIRE HYDRANT
FDC	FIRE DEPARTMENT CONNECTION
x99.99	EXISTING GRADE ELEVATION
+99.99	PROPOSED GRADE ELEVATION
2%	PROPOSED SLOPE OF GRADE
	EMERGENCY OVERLAND FLOW
T.O.S	TOP OF SLOPE
	150mm BARRIER CURB
D.C	DEPRESSED CURB
	MEDIUM DUTY PAVEMENT
	HEAVY DUTY PAVEMENT
	CONCRETE

KEY PLAN

No.	DATE	REVISION
3	JUN 30–23	RE–ISSUED FOR APPROVAL
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D. B. GRAY ENGINEERING INC.

Stormwater Management - Grading & Drainage - Storm & Sanitary Sewers - Watermains

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Ottawa, Ontario d.gray@dbgrayengineering.com

Project

PROPOSED 3–STOREY DYMON STORAGE BUILDING
5210 INNES ROAD
OTTAWA, ONTARIO

Drawing Title

GRADING PLAN

Engineer's Seal

LICENSED PROFESSIONAL ENGINEER
D.B. GRAY
17016502
JUN 30–23
PROVINCE OF ONTARIO
NOT VALID UNLESS SIGNED & DATED

Drawn	D.B.G
H. Scale	1:250
V. Scale	
Date	DEC 19–22
Job No.	21025

Drawing No.

C–2
of 7

D07–12–23–0001

#18961

INNES ROAD

EXIST. ST MH TOP 88.79

EXIST. ST MH TOP 88.76

INSTALL SEDIMENT CAPTURE FILTER SOCK INSERT IN EXISTING CB — EXIST. CICB

INSTALL SEDIMENT CAPTURE FILTER SOCK INSERT IN EXISTING CB — EXIST. CICB

INSTALL SEDIMENT CAPTURE FILTER SOCK INSERT IN EXISTING CB — EXIST. CICB

PART 3 PLAN 4R-12824 PIN 14565 - 0002

SILT FENCE BARRIER

SITE BENCHMARK No. 2
Magnetic Nail in UP
Elevation = 88.58

CICB-8 TOP 88.83 — INSTALL SEDIMENT CAPTURE FILTER SOCK INSERT IN CICB

CICB-6 TOP 88.88 — INSTALL SEDIMENT CAPTURE FILTER SOCK INSERT IN CICB

EXIST. SAN MH (APPROXIMATE LOCATION)

EXIST. ST MH TOP 88.50

EXIST. TWIN CICB — INSTALL SEDIMENT CAPTURE FILTER SOCK INSERT IN EXISTING CBs

SITE BENCHMARK No. 1
Top of Spindle of FH
Elevation = 89.38

CBMH-11 TOP 88.88 — INSTALL SEDIMENT CAPTURE FILTER SOCK INSERT IN CBMH

INSTALL SEDIMENT CAPTURE FILTER SOCK INSERT IN CB — CB-5 TOP 88.80

INSTALL SEDIMENT CAPTURE FILTER SOCK INSERT IN CBMH — CBMH-7 TOP 88.93

CIMH-4 TOP 88.88 — INSTALL SEDIMENT CAPTURE FILTER SOCK INSERT IN CIMH

MH-H TOP 88.65

EXIST. ST MH (APPROXIMATE LOCATION)

SILT FENCE BARRIER

CB-9 TOP 88.83 — INSTALL SEDIMENT CAPTURE FILTER SOCK INSERT IN CB

PART 1 PLAN 4R-12824 PIN 14565 - 0003

CB-2 TOP 88.92 — INSTALL SEDIMENT CAPTURE FILTER SOCK INSERT IN CB

PROPOSED 3-STOREY DYMON STORAGE BUILDING

FFL = 89.38
USF = 87.58

CB-1 TOP 88.92 — INSTALL SEDIMENT CAPTURE FILTER SOCK INSERT IN CB

SILT FENCE BARRIER

TRIM ROAD

PART 1 PLAN 4R-12824 TRANSFER INST. N757189

PIN 14565 - 0001

BY-LAW 23-87 INST. 106489

INSTALL SEDIMENT CAPTURE FILTER SOCK INSERT IN EXISTING CB — EXIST. CICB

MH-SA.1 TOP 89.02 — CB-10 TOP 88.96

MH-19 TOP 88.93

INSTALL SEDIMENT CAPTURE FILTER SOCK INSERT IN CB

CBMH-15 TOP 88.90 — INSTALL SEDIMENT CAPTURE FILTER SOCK INSERT IN CBMH

INSTALL SEDIMENT CAPTURE FILTER SOCK INSERT IN CIMH — CIMH-3 TOP 88.88

FH

FDC

PART 1 PLAN 50R - 17867

PIN 14565 - 0004

CB-16 TOP 88.29 — INSTALL SEDIMENT CAPTURE FILTER SOCK INSERT IN CB

INSTALL SEDIMENT CAPTURE FILTER SOCK INSERT IN CBMH — CBMH-13 TOP 88.80

INSTALL SEDIMENT CAPTURE FILTER SOCK INSERT IN CBMH — CB-12 TOP 88.84 — MH-17 TOP 89.00

CBMH-14 TOP 88.88 — INSTALL SEDIMENT CAPTURE FILTER SOCK INSERT IN CB

MH-T TOP 89.00

INSTALL SEDIMENT CAPTURE FILTER SOCK INSERT IN EXISTING CB — EXIST. CICB

SILT FENCE BARRIER

EXIST. DI

MH-18 TOP 89.08

MH-T TOP 88.66

EXIST. SAN MH (APPROXIMATE 16m SE)

EXIST. ST MH (APPROXIMATE LOCATION)

PART 1 PLAN 50R-5276 PIN 14565 - 0005

REFER TO NOTES, DETAILS & SCHEDULES ON DRAWINGS C-4, C-5 & C-6

LEGEND

FFL	FINISHED FLOOR ELEVATION
TOF	TOP OF FOUNDATION
USF	UNDERSIDE OF FOOTING
	PROPERTY LINE
CB	CATCH-BASIN
MH	STORM MANHOLE
MH	SANITARY MANHOLE
FH	FIRE HYDRANT
FDC	FIRE DEPARTMENT CONNECTION
x99.99	EXISTING GRADE ELEVATION
T.O.S	TOP OF SLOPE
	SILT FENCE BARRIER

KEY PLAN

No.	DATE	REVISION
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Stormwater Management - Grading & Drainage - Storm & Sanitary Sewers - Watermains
700 Long Point Circle 613-425-8044
Ottawa, Ontario d.gray@dbgrayengineering.com

Project

PROPOSED 3-STOREY DYMON STORAGE BUILDING
5210 INNES ROAD
OTTAWA, ONTARIO

Drawing Title

EROSION & SEDIMENT CONTROL PLAN

2m
0m 10m

Engineer's Seal

LICENSED PROFESSIONAL ENGINEER
D.B. GRAY
17016502
JUN 30-23
PROVINCE OF ONTARIO
NOT VALID UNLESS SIGNED & DATED

Drawn	D.B.G
H. Scale	1:250
V. Scale	
Date	DEC 19-22
Job No.	21025

Drawing No.
C-3
of 7

D07-12-23-0001

#18961

1.0 GENERAL

1.1 USE BAR SCALE TO CONFIRM ACTUAL PLOT SCALE. EXISTING AND NEW ELEVATIONS ARE GEODETIC IN METERS. PIPE DIMENSIONS ARE NOMINAL IN MILLIMETERS UNLESS OTHERWISE NOTED.
1.2 "ENGINEER" REFERS TO D.B. GRAY ENGINEERING INC. UNLESS OTHERWISE NOTED.
1.3 SITE BOUNDARIES, EXISTING GRADE ELEVATIONS AND OTHER EXISTING FEATURES ARE DERIVED FROM TOPOGRAPHICAL PLAN PREPARED BY ANNIS, O'SULLIVAN, VOLLEBEKK LTD. JOB No. E-1106-21. IT IS THE RESPONSIBILITY OF THE USER OF THIS INFORMATION TO VERIFY THAT THE JOB BENCHMARKS HAVE NOT BEEN ALTERED OR DISTURBED AND THAT THEIR RELATIVE ELEVATIONS AND DESCRIPTIONS AGREE WITH THE INFORMATION INDICATED ON THE DRAWINGS.
1.4 REFER TO ARCHITECTURAL SITE PLAN AND LANDSCAPE PLAN FOR EXACT LOCATION OF PROPOSED BUILDING, DRIVEWAYS, PARKING AREAS, CURBS, SIDEWALKS, WALKWAYS, ETC. LAYOUT SHALL BE COMPLETED BY THE CONTRACTOR AND REVIEWED BY THE OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.
1.5 REFER TO TREE CONSERVATION REPORT FOR TREE PROTECTION REQUIREMENTS.
1.6 DRAWINGS SHALL BE READ IN CONJUNCTION WITH SITE SERVICING STUDY & STORMWATER MANAGEMENT REPORT No. 21025 PREPARED BY D.B. GRAY ENGINEERING INC.
1.7 REFERENCE THE LATEST REVISION OF THE GEOTECHNICAL INVESTIGATION PREPARED BY FISHER ENGINEERING PROJECT No. FE-P 22-12469. CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE GEOTECHNICAL INVESTIGATION TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER.
1.8 CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE OCCUPATIONAL HEALTH AND SAFETY ACT AND CURRENT CITY OF OTTAWA STANDARD SPECIFICATIONS AND DRAWINGS.
1.9 ONTARIO PROVINCIAL STANDARD SPECIFICATIONS AND DRAWINGS SHALL APPLY WHERE NO CITY OF OTTAWA STANDARD SPECIFICATIONS OR DRAWINGS ARE AVAILABLE.
1.10 REINSTATE AREAS DISTURBED BY CONSTRUCTION TO PRE-CONSTRUCTION CONDITIONS.

2.0 SITE SERVICING PLAN

2.1 WATERMAIN, WATER SERVICE, APPURTENANCES AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH CURRENT CITY OF OTTAWA STANDARD SPECIFICATIONS AND DRAWINGS. ONTARIO PROVINCIAL STANDARD SPECIFICATIONS AND DRAWINGS SHALL APPLY WHERE NO CITY OF OTTAWA STANDARD SPECIFICATIONS OR DRAWINGS ARE AVAILABLE.
2.2 WATERMAIN AND WATER SERVICE MATERIAL SHALL BE PVC SDR-18, IN ACCORDANCE WITH CURRENT CITY OF OTTAWA STANDARD SPECIFICATIONS.
2.3 CONNECTION TO MUNICIPAL WATERMAIN SHALL BE PERFORMED BY CITY OF OTTAWA FORCES. CONTRACTOR SHALL PERFORM EXCAVATION, BACKFILL AND REINSTATEMENT.
2.4 PROVIDE A MINIMUM 2.4m COVER OVER WATERMAIN AND WATER SERVICE. WHERE THE MINIMUM COVER IS NOT POSSIBLE NOTIFY THE ENGINEER AND INSULATE AS PER DETAIL.
2.5 WATERMAIN AND WATER SERVICE INSTALLED PARALLEL TO A SEWER OR SEWER SERVICE SHALL BE INSTALLED IN A SEPARATE TRENCH WITH A MINIMUM 2.5m BARREL TO BARREL HORIZONTAL SEPARATION IN ACCORDANCE WITH MOE PROCEDURE F-6-1.
2.6 WATER SERVICE SHALL CROSS BELOW THE STORM SEWERS AND SANITARY SEWER SERVICE WITH A MINIMUM 500mm BARREL TO BARREL VERTICAL SEPARATION IN ACCORDANCE WITH MOE PROCEDURE F-6-1 AND CITY OF OTTAWA DRAWING No. W25. WATER SERVICE PIPE SEGMENTS SHALL BE CENTERED AT POINTS OF CROSSING SO JOINTS ARE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE STORM SEWERS AND SANITARY SEWER SERVICE.
2.7 WATER METER SHALL BE INSTALLED IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. W32.
2.8 FIRE DEPARTMENT CONNECTION SHALL BE IN ACCORDANCE WITH OBC 3.2.5.16.
2.9 SEWERS, SEWER SERVICES, APPURTENANCES AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH CURRENT CITY OF OTTAWA STANDARD SPECIFICATIONS AND DRAWINGS. ONTARIO PROVINCIAL STANDARD SPECIFICATIONS AND DRAWINGS SHALL APPLY WHERE NO CITY OF OTTAWA STANDARD SPECIFICATIONS OR DRAWINGS ARE AVAILABLE.
2.10 SEWER AND SEWER SERVICE MATERIALS SHALL BE PVC SDR-35 FOR DIAMETERS >150mm AND SDR-28 FOR DIAMETERS ≤150mm.
2.11 CONNECT PROPOSED SANITARY SEWER TO EXISTING MUNICIPAL SANITARY SEWER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S11.
2.12 CONNECT PROPOSED STORM SEWER TO EXISTING MUNICIPAL STORM SEWER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S11.
2.13 PROVIDE A MINIMUM 2m COVER OVER SEWERS AND SEWER SERVICES. WHERE THE MINIMUM COVER IS NOT POSSIBLE NOTIFY THE ENGINEER AND INSULATE AS PER DETAIL.
2.14 SEWERS AND SEWER SERVICES INSTALLED PARALLEL TO A WATERMAIN OR WATER SERVICE SHALL BE INSTALLED IN A SEPARATE TRENCH WITH A MINIMUM 2.5m BARREL TO BARREL HORIZONTAL SEPARATION IN ACCORDANCE WITH MOE PROCEDURE F-6-1.
2.15 SEWERS AND SEWER SERVICES SHALL CROSS ABOVE THE WATERMAIN AND WATER SERVICE WITH A MINIMUM 500mm BARREL TO BARREL VERTICAL SEPARATION IN ACCORDANCE WITH MOE PROCEDURE F-6-1. SEWER AND SEWER SERVICE PIPE SEGMENTS SHALL BE CENTERED AT POINTS OF CROSSING SO JOINTS ARE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE WATERMAIN AND WATER SERVICE.
2.16 SANITARY BUILDING DRAIN SHALL BE INSTALLED WITH NORMALLY OPEN BACKWATER VALVE IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S14.1 OR S14.2.
2.17 STORM BUILDING DRAIN SHALL BE INSTALLED WITH NORMALLY CLOSED BACKWATER VALVE IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S14.
2.18 CATCH BASINS AND MANHOLES:
- A. PRECAST CONCRETE CATCH BASINS SHALL BE IN ACCORDANCE WITH OPSD 705.010.
- B. PRECAST CONCRETE MANHOLES SHALL BE IN ACCORDANCE WITH OPSD 701.010.
- C. MANHOLE STEPS SHALL BE IN ACCORDANCE WITH OPSD 405.010.
- D. PRECAST CONCRETE ADJUSTMENT UNITS SHALL BE IN ACCORDANCE WITH OPSD 704.010.
- E. ALUMINUM SURFACES IN CONTACT WITH CONCRETE SHALL HAVE POLYETHYLENE ANCHOR INSULATING SLEEVES.
- F. FRAMES AND COVERS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA DRAWINGS OR ONTARIO PROVINCIAL STANDARD DRAWINGS. REFER TO CATCH BASIN & MANHOLE SCHEDULE. FRAMES AND COVERS SHALL BE PAINTED WITH ONE SHOP COAT OF ASPHALT OR TAR BASE BLACK. ALL JOINTS AND CREVICES SHALL BE THOROUGHLY COATED.

2.19 THE INLET CONTROL DEVICE LOCATED IN THE OUTLET PIPE OF CATCH BASIN MANHOLE CBMH-15 SHALL BE A PLUG STYLE WITH A ROUND ORIFICE LOCATED AT THE BOTTOM OF THE PLUG MANUFACTURED BY PEDRO PLASTICS OR APPROVED EQUIVALENT SIZED BY THE MANUFACTURER FOR THE RELEASE RATE INDICATED ON THE DRAWINGS. PRIOR TO INSTALLATION SUBMIT SHOP DRAWING TO THE ENGINEER FOR APPROVAL.
2.20 RAINWATER LEADERS INSIDE BUILDING SHALL BE CONSTRUCTED TO WITHSTAND THE PRESSURE FROM A WATER COLUMN THE HEIGHT OF THE RAINWATER LEADER. PERFORM PRESSURE TESTS ON THE SYSTEMS IN ACCORDANCE WITH THE MECHANICAL ENGINEER'S INSTRUCTIONS.

3.0 GRADING PLAN

3.1 NEW GRADES SHALL MATCH EXISTING GRADES ON PROPERTY LINES. NO EXCESS DRAINAGE SHALL BE DIRECTED TOWARDS ADJACENT PROPERTIES DURING OR AFTER CONSTRUCTION. THERE SHALL BE NO ALTERATION TO EXISTING GRADES OR DRAINAGE PATTERNS ON PROPERTY LINES.
3.2 ENSURE ADEQUATE DRAINAGE AWAY FROM BUILDING TO CATCH BASINS. GRADING SHALL BE GRADUAL BETWEEN PROPOSED GRADE ELEVATIONS INDICATED ON THE DRAWINGS.
3.3 RETAINING WALLS SHALL BE SETBACK A MINIMUM 150mm FROM PROPERTY LINES. RETAINING WALLS GREATER THAN 600mm IN HEIGHT REQUIRE A GUARD. REFER TO ARCHITECTURAL SITE PLAN AND/OR LANDSCAPE PLAN.
3.4 WHETHER A RESULT OF POOR WORKMANSHIP OR DAMAGE DEFECTIVE GRADING SHALL BE CORRECTED.

4.0 EROSION & SEDIMENT CONTROL PLAN

4.1 THE EROSION & SEDIMENT CONTROL PLAN IS A "LIVING DOCUMENT" AND SHALL BE REVISED IN THE EVENT THE SPECIFIED CONTROL MEASURES ARE NOT SUFFICIENT. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES TO PROVIDE PROTECTION OF THE AREA DRAINAGE SYSTEM DURING CONSTRUCTION INCLUDING BUT NOT LIMITED TO LIMITING THE AMOUNT OF EXPOSED SOIL, USING SEDIMENT CAPTURE FILTER SOCK INSERTS IN CATCH-BASINS AND CATCH-BASIN/MANHOLES AND INSTALLING SILT FENCES AND OTHER EFFECTIVE SEDIMENT TRAPS. THE CONTRACTOR ACKNOWLEDGES THAT FAILURE TO IMPLEMENT APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY AGENCY. AT MINIMUM THE CONTRACTOR SHALL INSTALL, MAINTAIN AND REMOVE THE FOLLOWING CONTROL MEASURES IN ACCORDANCE WITH NOTES 4.2 TO 4.10.
4.2 PRIOR TO COMMENCING CONSTRUCTION INSTALL TERRAFIX GEOSYNTHETICS INC. SILTSACK OR APPROVED EQUIVALENT SEDIMENT CAPTURE FILTER SOCK INSERTS IN ALL EXISTING MUNICIPAL CATCH BASINS AND CATCH BASIN MANHOLES ADJACENT TO THE SITE.
4.3 INSTALL TERRAFIX GEOSYNTHETICS INC. SILTSACK OR APPROVED EQUIVALENT SEDIMENT CAPTURE FILTER SOCK INSERTS IN ALL NEW CATCH BASINS AND CATCH BASIN MANHOLES AS THEY ARE INSTALLED.
4.4 INSPECT SEDIMENT CAPTURE FILTER SOCK INSERTS AT THE END OF EACH DAY AND AFTER EACH RAINFALL. REMOVE SEDIMENT IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. REPAIR OR REPLACE DAMAGED SEDIMENT CAPTURE FILTER SOCK INSERTS.
4.5 PRIOR TO COMMENCING CONSTRUCTION INSTALL SILT FENCE BARRIERS AS INDICATED ON THE DRAWINGS.
4.6 INSTALL SILT FENCE BARRIERS AROUND STOCKPILED SEDIMENT OR SOIL.
4.7 INSPECT SILT FENCE BARRIERS AT THE END OF EACH DAY AND AFTER EACH RAINFALL. REMOVE SEDIMENT IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. REPAIR OR REPLACE DAMAGED SILT FENCE BARRIERS.
4.8 REMOVE ANY MATERIAL DEPOSITED ON THE PUBLIC ROAD BY SHOVELING AND SWEEPING OR VACUUMING AND DISPOSING IN A CONTROLLED AREA. DO NOT SHOVEL, SWEEP OR DISPOSE ANY MATERIAL INTO ANY STORMWATER CONVEYANCE SYSTEM.
4.9 REMOVE EROSION AND SEDIMENT CONTROL MEASURES WHEN CONSTRUCTION IS COMPLETE.
4.10 CONSTRUCTION IS CONSIDERED TO BE COMPLETE WHEN THE FOLLOWING CONDITIONS HAVE BEEN MET:
- A. ALL STRUCTURES AND HARD SURFACES HAVE BEEN CONSTRUCTED.
- B. ALL STOCKPILED MATERIALS HAVE BEEN REMOVED.
- C. ALL PROPOSED GRASSED AREAS ARE EITHER SODDED OR HAVE FULL COVERAGE OF WELL ESTABLISHED TURF AND HAVE HAD A MINIMUM OF ONE FULL GROWING SEASON (MAY 15TH TO SEPTEMBER 15TH).
- D. THERE ARE NO AREAS OF EXPOSED EARTH.

5.0 ROOF DRAINAGE PLAN

5.1 FLOW CONTROL ROOF DRAINS:
- A. ROOF DRAINS SHALL BE INSTALLED WITH A SINGLE-PARABOLIC SLOTTED WEIR AND RELEASE 0.01242L/s/min (5USgpm/in).
- B. ROOF DRAINS SHALL BE WATTS WITH AN ACCUTROL WEIR RD-100-A1 OR APPROVED EQUIVALENT.
- C. OPENING AT THE TOP OF THE FLOW CONTROL WEIR SHALL BE A MINIMUM 50mm IN DIAMETER.
- D. PRIOR TO INSTALLATION SUBMIT SHOP DRAWING TO THE ENGINEER FOR APPROVAL.

5.2 SCUPPERS:
- A. MINIMUM NUMBER AND WIDTH OF SCUPPERS SHALL BE AS INDICATED ON THE DRAWINGS. BOTTOM OF SCUPPERS SHALL BE 150mm ABOVE ROOF DRAINS. REFER TO ARCHITECTURAL FOR EXACT LOCATIONS AND DETAILS.
- B. ROOF SHALL BE DESIGNED TO CARRY THE LOAD OF WATER HAVING A 50mm DEPTH AT SCUPPERS (i.e. 200mm DEPTH AT ROOF DRAINS). REFER TO STRUCTURAL.

6.0 CONSTRUCTION

6.1 PRIOR TO COMMENCING CONSTRUCTION:
- A. OBTAIN AND BEAR THE COST OF ALL NECESSARY PERMITS AND APPROVALS FROM THE AUTHORITIES HAVING JURISDICTION.
- B. LOCATIONS, DEPTHS AND SIZES OF EXISTING INFRASTRUCTURE INDICATED ON THE DRAWINGS ARE FOR GUIDANCE ONLY. COMPLETENESS AND ACCURACY ARE NOT GUARANTEED. ALL EXISTING INFRASTRUCTURE IS NOT NECESSARILY INDICATED ON THE DRAWINGS. THOSE SHOWN ARE DERIVED FROM AVAILABLE INFORMATION AND MUST BE CONFIRMED ON SITE.
- C. NOTIFY THE AUTHORITIES HAVING JURISDICTION.
- D. UNDERGROUND LOCATES INCLUDING BUT NOT LIMITED TO ONTARIO ONE CALL 1-800-400-2255 SHALL BE PERFORMED. CONFIRM LOCATIONS, DEPTHS AND SIZES OF EXISTING INFRASTRUCTURE BY CAREFUL TEST EXCAVATIONS AND REPORT ANY DIFFERENCES TO THE ENGINEER. FAILURE TO DO SO WILL BE AT THE CONTRACTOR'S EXPENSE.
- E. COORDINATE AND SCHEDULE CONSTRUCTION TO PROVIDE MINIMUM DISRUPTION TO SERVICES.

6.2 PROVIDE TRAFFIC CONTROL AS REQUIRED BY THE AUTHORITIES HAVING JURISDICTION.
6.3 EXCAVATION AND BACKFILL:
- A. PROTECT EXISTING BUILDINGS, INFRASTRUCTURE, ETC. FROM DAMAGE.
- B. SAWCUT PAVEMENT, CURBS AND SIDEWALKS NEATLY ALONG LIMITS OF PROPOSED EXCAVATIONS.
- C. EXCAVATIONS SHALL NOT INTERFERE WITH BEARING CAPACITY OF ADJACENT FOUNDATIONS.
- D. SUBGRADE, BEDDING, SURROUND MATERIAL AND BACKFILL SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL INVESTIGATION TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER.
- E. COORDINATE AND PAY FOR GEOTECHNICAL INSPECTIONS AND COMPACTION TESTS OF SUBGRADE AND EACH LIFT OF BEDDING, SURROUND MATERIAL AND BACKFILL. SUBMIT GEOTECHNICAL INSPECTIONS AND COMPACTION REPORTS TO THE ENGINEER.

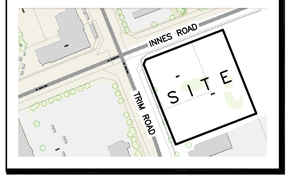
6.4 PIPES AND FITTINGS:
- A. HANDLE, CUT AND ASSEMBLE PIPES AND FITTINGS IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION GUIDE.
- B. WHETHER A RESULT OF POOR WORKMANSHIP OR DAMAGE DEFECTIVE PIPES AND FITTINGS SHALL BE REPAIRED OR REPLACED.

6.5 COORDINATE AND PERFORM LEAKAGE TESTS ON THE SANITARY MANHOLE, SEWER AND SEWER SERVICE IN ACCORDANCE WITH OPSS 407 AND OPSS 410 WITH THE PRESENCE OF THE ENGINEER.
6.6 COORDINATE AND PERFORM A DYE TEST ON THE SANITARY SEWER SERVICE WITH THE PRESENCE OF THE ENGINEER.
6.7 PERFORM TWO CCTV INSPECTIONS ON SEWERS AND SEWER SERVICES. FIRST INSPECTION SHALL BE WHEN CONSTRUCTION IS COMPLETE. SECOND INSPECTION SHALL BE IMMEDIATELY PRIOR TO THE END OF THE WARRANTY PERIOD. SUBMIT REPORTS AND VIDEOS TO THE ENGINEER FOR APPROVAL. REPAIR OR REPLACE DEFECTIVE SEWERS AND SEWER SERVICES.
6.8 CURBS AND SIDEWALKS:
- A. CONCRETE BARRIER CURBS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. SC1.1.
- B. WHETHER A RESULT OF POOR WORKMANSHIP OR DAMAGE DEFECTIVE CURBS AND SIDEWALKS SHALL BE REPAIRED OR REPLACED.

6.9 PAVEMENT STRUCTURE:
- A. MEDIUM DUTY PAVEMENT STRUCTURE
  - 40mm HL3 ASPHALTIC CONCRETE
  - 50mm HL8 ASPHALTIC CONCRETE
  - 150mm 19 mm CRUSHED LIMESTONE
  - 200mm GRANULAR B SUBBASE
- B. HEAVY DUTY PAVEMENT STRUCTURE
  - 40mm HL3 ASPHALTIC CONCRETE
  - 65mm HL8 ASPHALTIC CONCRETE
  - 150mm 19 mm CRUSHED LIMESTONE
  - 350mm GRANULAR B SUBBASE
- C. COORDINATE AND PAY FOR GEOTECHNICAL INSPECTIONS AND COMPACTION TESTS OF EACH LIFT OF SUBBASE, BASE AND ASPHALTIC CONCRETE. SUBMIT GEOTECHNICAL INSPECTIONS AND COMPACTION REPORTS TO THE ENGINEER.
- D. WHETHER A RESULT OF POOR WORKMANSHIP OR DAMAGE DEFECTIVE PAVEMENT SHALL BE REPAIRED OR REPLACED.

6.10 MAINTAIN AS-BUILT DRAWINGS AND RECORD DEVIATIONS INCLUDING BUT NOT LIMITED TO CHANGES OF LOCATIONS, ELEVATIONS AND SIZES FROM THE ORIGINAL CONTRACT DOCUMENTS. UPDATE DAILY AND MAKE AVAILABLE THROUGHOUT CONSTRUCTION. SUBMIT AS-BUILT DRAWINGS <PREPARED BY AN ONTARIO LAND SURVEYOR> TO THE ENGINEER WHEN CONSTRUCTION IS COMPLETE.

KEY PLAN



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D. B. GRAY ENGINEERING INC.
Stormwater Management - Grading & Drainage - Storm & Sanitary Sewers - Watermains
700 Long Point Circle 613-425-8044
Ottawa, Ontario d.gray@dbgrayengineering.com

Project
PROPOSED 3-STOREY
DYMON STORAGE BUILDING
5210 INNES ROAD
OTTAWA, ONTARIO

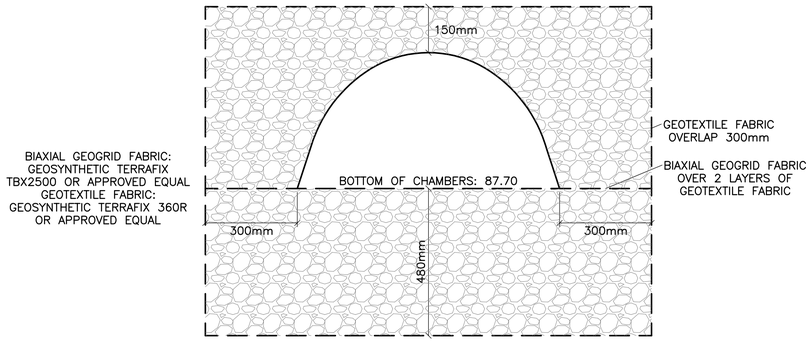
Drawing Title
NOTES

Engineer's Seal
LICENSED PROFESSIONAL ENGINEER
D.B. GRAY
17016502
JUN 30-23
PROVINCE OF ONTARIO
NOT VALID UNLESS SIGNED & DATED

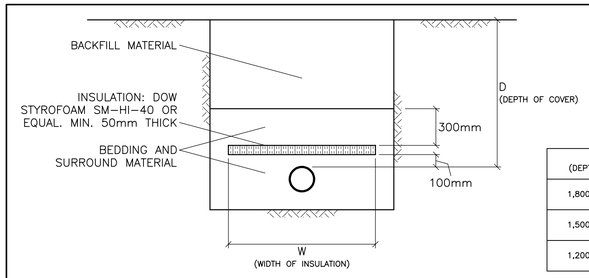
Drawn	D.B.G
H. Scale	
V. Scale	
Date	DEC 19-22
Job No.	21025

Drawing No.
C-4
of 7

D07-12-23-0001
#18961



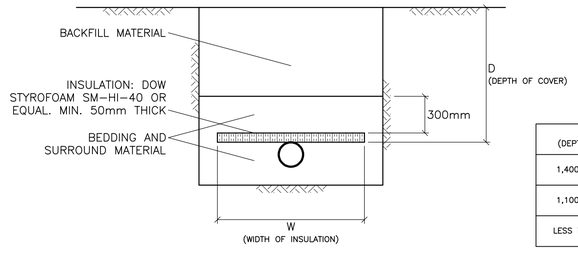
SOLENO HYDROSTOR
HS31 CHAMBERS
N.T.S



D (DEPTH OF COVER)	INSULATION THICKNESS	W (WIDTH OF INSULATION)
1,800 TO 2,400mm	50mm	1,200mm
1,500 TO 1,800mm	75mm	1,800mm
1,200 TO 1,500mm	100mm	2,400mm

INSULATE WATERMAINS AND WATER SERVICES AS INDICATED AND WHERE DEPTH OF COVER IS LESS THAN 2,400mm. CENTER INSULATION OVER PIPE. STAGGER JOINTS BETWEEN SHEETS OF INSULATION.

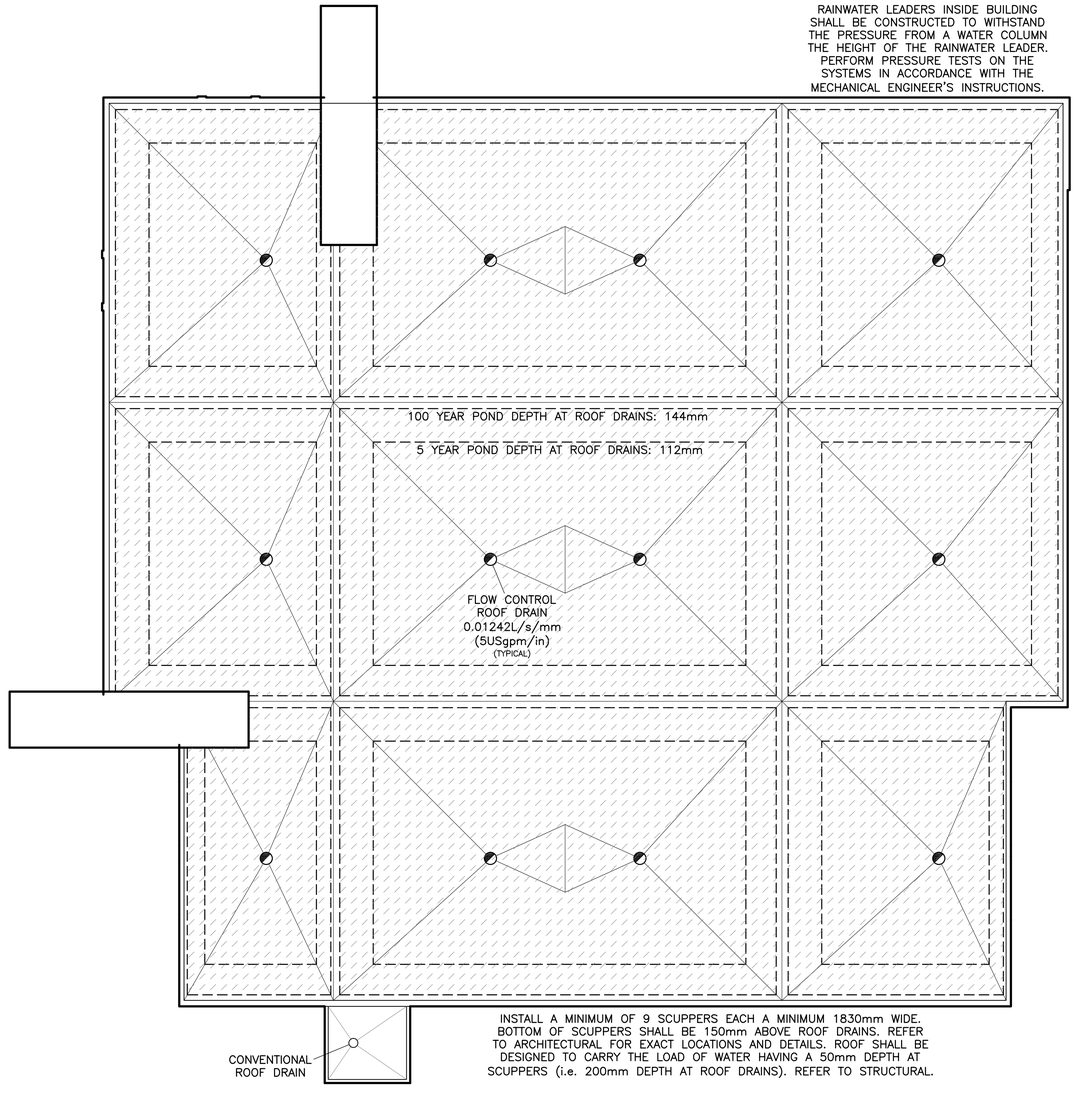
INSULATION OF WATERMAINS
& WATER SERVICES
IN SHALLOW TRENCHES
N.T.S



D (DEPTH OF COVER)	INSULATION THICKNESS	W (WIDTH OF INSULATION)
1,400 TO 2,000mm	50mm	1,200mm + DIAMETER OF PIPE
1,100 TO 1,400mm	75mm	1,800mm + DIAMETER OF PIPE
LESS THAN 1,100mm	100mm	2,400mm + DIAMETER OF PIPE

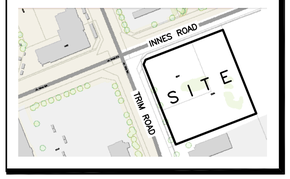
INSULATE SEWERS AND SEWER SERVICES AS INDICATED AND WHERE DEPTH OF COVER IS LESS THAN 2,000mm. CENTER INSULATION OVER PIPE. STAGGER JOINTS BETWEEN SHEETS OF INSULATION.

INSULATION OF SEWERS
& SEWER SERVICES
IN SHALLOW TRENCHES
N.T.S



ROOF DRAINAGE PLAN

KEY PLAN



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Ottawa, Ontario d.gray@dbgrayengineering.com

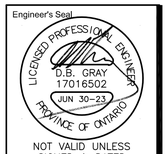
Project

PROPOSED 3-STOREY
DYMON STORAGE BUILDING
5210 INNES ROAD
OTTAWA, ONTARIO

Drawing Title

DETAILS

Engineer's Seal



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V. Scale	
Date	DEC 19-22
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Drawing No.

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of 7

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#18961

WATER SERVICE PROFILE TABLE

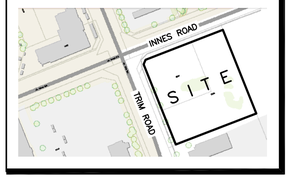
150mm PVC SDR18

STATION	DESCRIPTION	GRADE ELEVATION	TOP OF PIPE	DEPTH OF COVER	NOTES
A+00.0	150mm x 400mm TEE CONNECTION IN 400mm MUNICIPAL WATERMAIN	±88.73	±86.55	±2.18	CONNECTION BY CITY. EXCAVATION, BACKFILL & REINSTATEMENT BY CONTRACTOR. START OF INSULATION 50mm THICK.
A+01.0	5° VERTICAL BEND DOWN	±88.71	86.55	±2.16	INSULATION 50mm THICK
A+06.4	5° VERTICAL BEND UP	±88.59	86.08	±2.51	END OF INSULATION 50mm THICK
A+11.5	–	±88.48	86.08	±2.40	BOTTOM OF CURB
A+12.4	–	88.49	86.08	2.41	–
A+18.4	–	88.79	86.18	2.61	–
A+19.0	150mm VALVE BOX	88.83	86.18	2.65	ON PROPERTY LINE
A+19.5 B+00.0	150mm x 150mm TEE CONNECTION	88.85	86.18	2.67	–
A+25.5	–	89.11	86.28	2.83	–
A+27.3	–	89.03	86.34	2.69	BOTTOM OF CURB
A+28.4	–	88.99	86.38	2.61	–
A+30.3	–	89.01	86.48	2.53	CROSSING 250 ST INV 87.23 WM TOP 86.48 – 750mm CLEARANCE (MIN. 500mm REQ'D)
A+32.6	–	89.05	86.60	2.45	CROSSING 250 ST INV 87.63 WM TOP 86.60 – 1030mm CLEARANCE (MIN. 500mm REQ'D)
A+34.4	–	89.08	86.68	2.40	–
A+39.1	–	89.16	86.76	2.40	–
A+42.1	–	89.21	86.81	2.40	CROSSING 150 SAN INV 88.13 WM TOP 86.81 – 1320mm CLEARANCE (MIN. 500mm REQ'D)
A+45.1	–	89.30	86.90	2.40	–
A+47.3	–	89.37	86.97	2.40	ENTRY INTO BUILDING
B+00.0 A+19.5	150mm x 150mm TEE CONNECTION	88.85	86.18	2.67	–
B+01.0	150mm VALVE BOX	88.85	86.18	2.67	–
B+02.0	FIRE HYDRANT	88.85	86.18	2.67	–

CATCH BASIN & MANHOLE SCHEDULE

REF	TOP	SIZE	TYPE	INVERT AT INLET	INVERT AT OUTLET	NOTES
STORM SEWER						
CB–1	88.92	600mm x 600mm	PRECAST CONCRETE CATCH BASIN	–	87.93	IN ACCORDANCE WITH OPSD 705.010 & CITY OF OTTAWA STANDARDS – FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S19
CB–2	88.92	600mm x 600mm	PRECAST CONCRETE CATCH BASIN	–	87.86	IN ACCORDANCE WITH OPSD 705.010 & CITY OF OTTAWA STANDARDS – FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S19
CIMH–3	88.88	1200mm	PRECAST CONCRETE CURB INLET MANHOLE	–	87.96	IN ACCORDANCE WITH OPSD 701.010 & CITY OF OTTAWA STANDARDS – FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S28
CIMH–4	88.88	1200mm	PRECAST CONCRETE CURB INLET MANHOLE	87.75(S)	87.75(NW)	IN ACCORDANCE WITH OPSD 701.010 & CITY OF OTTAWA STANDARDS – FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S28
CB–5	88.80	600mm x 600mm	PRECAST CONCRETE CATCH BASIN	–	87.71	IN ACCORDANCE WITH OPSD 705.010 & CITY OF OTTAWA STANDARDS – FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S19
CICB–6	88.88	600mm x 600mm	PRECAST CONCRETE CURB INLET CATCH BASIN	–	87.72	IN ACCORDANCE WITH OPSD 705.010 & CITY OF OTTAWA STANDARDS – FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S22 & S23
CBMH–7	88.93	1200mm	PRECAST CONCRETE CATCH BASIN MANHOLE	87.70(SE)	87.70(W)	IN ACCORDANCE WITH OPSD 701.010 & CITY OF OTTAWA STANDARDS – FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S25 & S28.1
CICB–8	88.83	600mm x 600mm	PRECAST CONCRETE CURB INLET CATCH BASIN	–	87.72	IN ACCORDANCE WITH OPSD 705.010 & CITY OF OTTAWA STANDARDS – FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S22 & S23
CB–9	88.83	600mm x 600mm	PRECAST CONCRETE CATCH BASIN	–	87.72	IN ACCORDANCE WITH OPSD 705.010 & CITY OF OTTAWA STANDARDS – FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S19
CB–10	88.96	600mm x 600mm	PRECAST CONCRETE CATCH BASIN	–	87.71	IN ACCORDANCE WITH OPSD 705.010 & CITY OF OTTAWA STANDARDS – FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S19
CBMH–11	88.88	1200mm	PRECAST CONCRETE CATCH BASIN MANHOLE	87.70(N) 87.70(E)	87.70(S)	IN ACCORDANCE WITH OPSD 701.010 & CITY OF OTTAWA STANDARDS – FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S25 & S28.1
CB–12	88.84	600mm x 600mm	PRECAST CONCRETE CATCH BASIN	–	87.77	IN ACCORDANCE WITH OPSD 705.010 & CITY OF OTTAWA STANDARDS – FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S19
CBMH–13	88.80	1200mm	PRECAST CONCRETE CATCH BASIN MANHOLE	–	87.93	IN ACCORDANCE WITH OPSD 701.010 & CITY OF OTTAWA STANDARDS – FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S25 & S28.1
CBMH–14	88.88	1200mm	PRECAST CONCRETE CATCH BASIN MANHOLE	87.70(E)	87.70(N)	IN ACCORDANCE WITH OPSD 701.010 & CITY OF OTTAWA STANDARDS – FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S25 & S28.1
CBMH–15	88.90	1200mm	PRECAST CONCRETE CATCH BASIN MANHOLE	87.70(N) 87.61(S)	87.21(W)	IN ACCORDANCE WITH OPSD 701.010 & CITY OF OTTAWA STANDARDS – FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S25 & S28.1 ICD IN OUTLET PIPE
CB–16	88.29	600mm x 600mm	PRECAST CONCRETE CATCH BASIN	–	87.54	IN ACCORDANCE WITH OPSD 705.010 & CITY OF OTTAWA STANDARDS – FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S19
MH–17	89.00	1200mm	PRECAST CONCRETE MANHOLE	87.51	87.45(W)	IN ACCORDANCE WITH OPSD 701.010 & CITY OF OTTAWA STANDARDS – FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S25 & S24.1 WATERTIGHT COVER
MH–18	89.08	1200mm	PRECAST CONCRETE MANHOLE	87.33(E)	87.30(NW)	IN ACCORDANCE WITH OPSD 701.010 & CITY OF OTTAWA STANDARDS – FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S25 & S24.1
MH–19	88.93	1200mm	PRECAST CONCRETE MANHOLE	87.18(E) 87.20(SE)	87.17(W)	IN ACCORDANCE WITH OPSD 701.010 & CITY OF OTTAWA STANDARDS – FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S25 & S24.1
SANITARY SEWER						
MH–SA.1	89.02	1200mm	PRECAST CONCRETE MANHOLE	87.96(SE)	87.18(W)	IN ACCORDANCE WITH OPSD 701.010 & CITY OF OTTAWA STANDARDS – FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S25 & S24

KEY PLAN



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700 Long Point Circle 613-425-8044
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Project

PROPOSED 3–STOREY
DYMON STORAGE BUILDING
5210 INNES ROAD
OTTAWA, ONTARIO

Drawing Title

SCHEDULES

Engineer's Seal

LICENSED PROFESSIONAL ENGINEER
D.B. GRAY
17016502
JUN 30–23
PROVINCE OF ONTARIO

NOT VALID UNLESS SIGNED & DATED

Drawn	D.B.G
H. Scale	
V. Scale	
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Job No.	21025

Drawing No.
C–6
of 7

D07–12–23–0001

#18961

INNES ROAD

EXIST. ST MH TOP 88.79

EXIST. ST MH TOP 88.76

EXIST. CICB

EXIST. CICB

EXIST. CICB

PART 3 PLAN 4R-12824 PIN 14565 - 0002

SITE BENCHMARK No. 2
Magnetic Nail in UP
Elevation = 88.58

CICB-8 TOP 88.83

CICB-6 TOP 88.88

EXIST. SAN MH (APPROXIMATE LOCATION)

EXIST. ST MH TOP 88.50

EXIST. TWIN CICB

FH

SITE BENCHMARK No. 1
Top of Spindle of FH
Elevation = 89.38

CBMH-11 TOP 88.88

CB-5 TOP 88.80

CBMH-7 TOP 88.93

CIMH-4 TOP 88.88

EXIST. ST MH (APPROXIMATE LOCATION)

LOT CONCESSION

PART 1 PLAN 4R-12824 PIN 14565 - 0003

CB-2 TOP 88.92

CB-9 TOP 88.83

II 0.56 0.90

PROPOSED 3-STOREY DYMON STORAGE BUILDING

FFL = 89.38
USF = 87.58

CB-1 TOP 88.92

TRIM ROAD

PART 1 PLAN 4R-12824 TRANSFER INST. N757189

PIN 14565 - 0001

EXIST. CICB

MH-SA.1 TOP 89.02

CB-10 TOP 88.96

MH-19 TOP 88.93

I 0.15 0.32

BY-LAW 23-97 INST. 106489

CBMH-15 TOP 88.90

PART 1 PLAN 50R - 17867

PIN 14565 - 0004

CIMH-3 TOP 88.88

FH

FDC

PART 1 PLAN 4R-12824 TRANSFER INST. N757189

CB-16 TOP 88.29

III 0.59 0.79

CBMH-13 TOP 88.80

CB-12 TOP 88.84

MH-17 TOP 89.00

CBMH-14 TOP 88.88

EXIST. CICB

MH-18 TOP 89.08

EXIST. DI

EXIST. SAN MH (APPROXIMATE 16m SE)

EXIST. ST MH (APPROXIMATE LOCATION)

PART 1 PLAN 50R-5276 PIN 14565 - 0005

2m
0m 10m

LEGEND

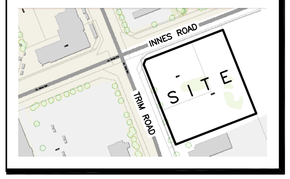
DRAINAGE AREA | AREA (ha.)

X | XXX

0.XX

5 YEAR RUNOFF COEFFICIENT

KEY PLAN



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Drawing Title

DRAINAGE PLAN

Engineer's Seal

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