

**ICD SUMMARY TABLE**

Control Location	Post-Dev Area No.	Max Flow (L/sec)	Max Head (m)	Type	Model
CB 203	S03, S04, S05	6.00	2.11	Hydrovex	50-VHV-1

**PROPOSED SEWER TABLE**

STRUCTURE	U/S	D/S	TYPE	INVERT ELEV (m)	NOMINAL DIA (mm)	LENGTH (m)	Type	Class	Calculated Slope (%)	
CB ELBOW	CB204	Storm		63.660	63.290	200	HDPE	BOSS 2000	1.0%	
CB204	CB 201	Storm		63.040	62.860	200	PVC	SDR35	1.0%	
CB 201	CB 203	Storm		62.800	62.740	200	PVC	SDR35	0.5%	
CB 203	CB 202	Storm		62.740	62.640	200	PVC	SDR35	0.5%	
CB 202	OGS	Storm		62.610	62.590	200	PVC	SDR35	0.5%	
OGS	STMMH 101	Storm		62.560	62.550	200	1.86	PVC	SDR35	0.5%
BLDG	STMMH 102	Storm		62.770	62.680	200	4.73	PVC	SDR26	1.9%
STMMH 101	STMMH 101	Storm		62.620	62.580	200	2.25	PVC	SDR35	1.8%
STMMH 102	EXSTMH	Storm		62.520	62.440	200	16.84	PVC	SDR35	0.5%
BLDG	SANMH 302	Sanitary		63.020	62.920	200	4.82	PVC	SDR26	2.1%
SANMH 302	SANMH 301	Sanitary		62.890	62.810	200	7.90	PVC	SDR35	1.0%

**STRUCTURE TABLE**

STRUCTURE NUMBER	TYPE	LID ELEV (m)	INVERT IN (m) and DIA (mm)		INVERT OUT (m) and DIA (mm)		SIZE	STRUCTURE		
			U/S	D/S	U/S	D/S		REFERENCE	FRAME	COVER
CB ELBOW	STORM	64.99			63.660	(200)	300	Ottawa S31	Ottawa S31	Ottawa S31
CB204	STORM	64.96	63.290	(200)	63.040	(200)	600x600	OPSD 705.010	Ottawa S19	Ottawa S19
CB 201	STORM	64.89	62.860	(200)	62.800	(200)	600x600	OPSD 705.010	Ottawa S19	Ottawa S19
CB 202	STORM	64.65	62.640	(200)	62.610	(200)	600x600	OPSD 705.010	Ottawa S19	Ottawa S19
CB 203	STORM	64.90	62.740	(200)	62.740	(200)	600x600	OPSD 705.010	Ottawa S19	Ottawa S19
STMMH 101	STORM	64.78	62.550	(200)	62.520	(200)	1200 DIA	OPSD 701.010 (sump)	Ottawa S25	Ottawa S24.1
STMMH 102	STORM	64.84	62.680	(200)	62.620	(200)	1200 DIA	OPSD 701.010 (sump)	Ottawa S25	Ottawa S24.1
OIL GRIT SEPARATOR	STORM	64.88	62.590	(200)	62.560	(200)	1800 DIA	As Per Manufacturer's Instructions (Stormceptor EP6 or Appd. Eqvl.)		
SANMH 301	SANITARY	64.72	62.000	(250)	62.000	(250)	1200 DIA	OPSD 701.010 (benchd)	Ottawa S25	Ottawa S24
SANMH 302	SANITARY	64.90	62.920	(200)	62.890	(200)	1200 DIA	OPSD 701.010 (benchd)	Ottawa S25	Ottawa S24

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**JOB BENCH MARK**  
JBM ▲  
FIRE HYDRANT TOP OF SPINDLE ELEVATION=65.17  
**TOPOGRAPHIC INFORMATION**  
PART OF LOT 63, REGISTERED PLAN 96, CITY OF OTTAWA.  
TOPOGRAPHIC INFORMATION PROVIDED BY ANNIS, O'SULLIVAN, VOLLEBEKK LTD. O.L.S (V-53820) SURVEY DATED JULY 27, 2023.  
SITE GRID SYSTEM MTM NAD 83, ZONE 9.

REV	REVISION DESCRIPTION	DATE	BY	APPD
1	ISSUED FOR SPA	06/08/24	AJ	AA

SCALE: 1:100  
DESIGNED BY: A.K. JARINWALA 100562090  
PROVINCE OF ONTARIO  
REVIEWED BY: M.A. ANSARI 100562090  
PROVINCE OF ONTARIO

CLIENT: Pulse Societies Ltd.  
135 LAURIE AVE W, SUITE 100  
OTTAWA, ONTARIO K1P 5J2

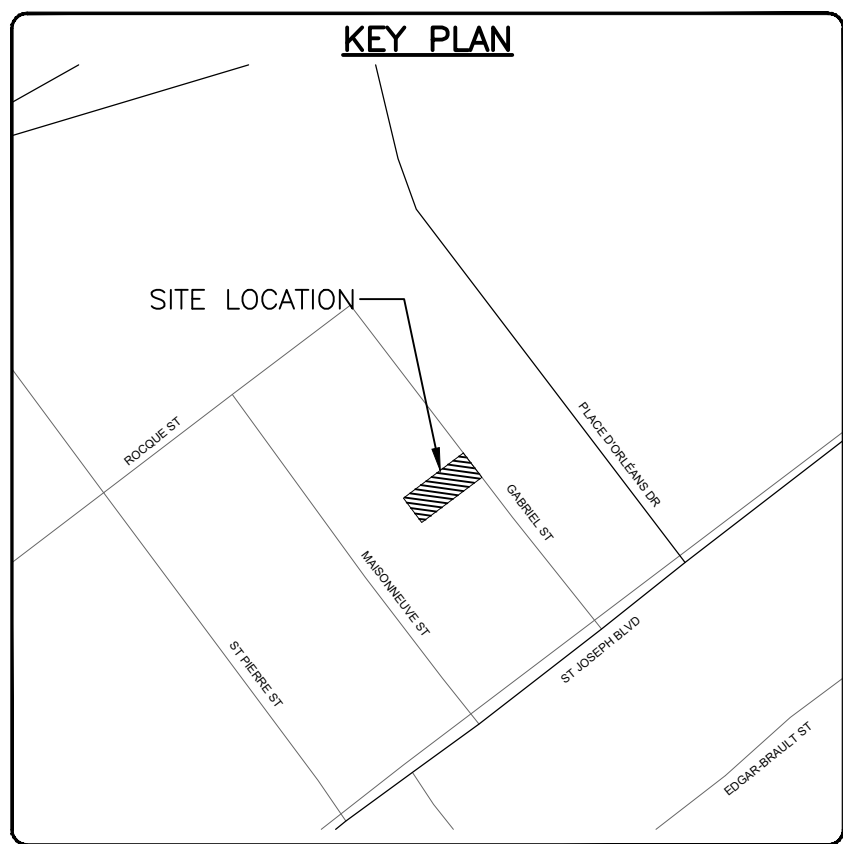
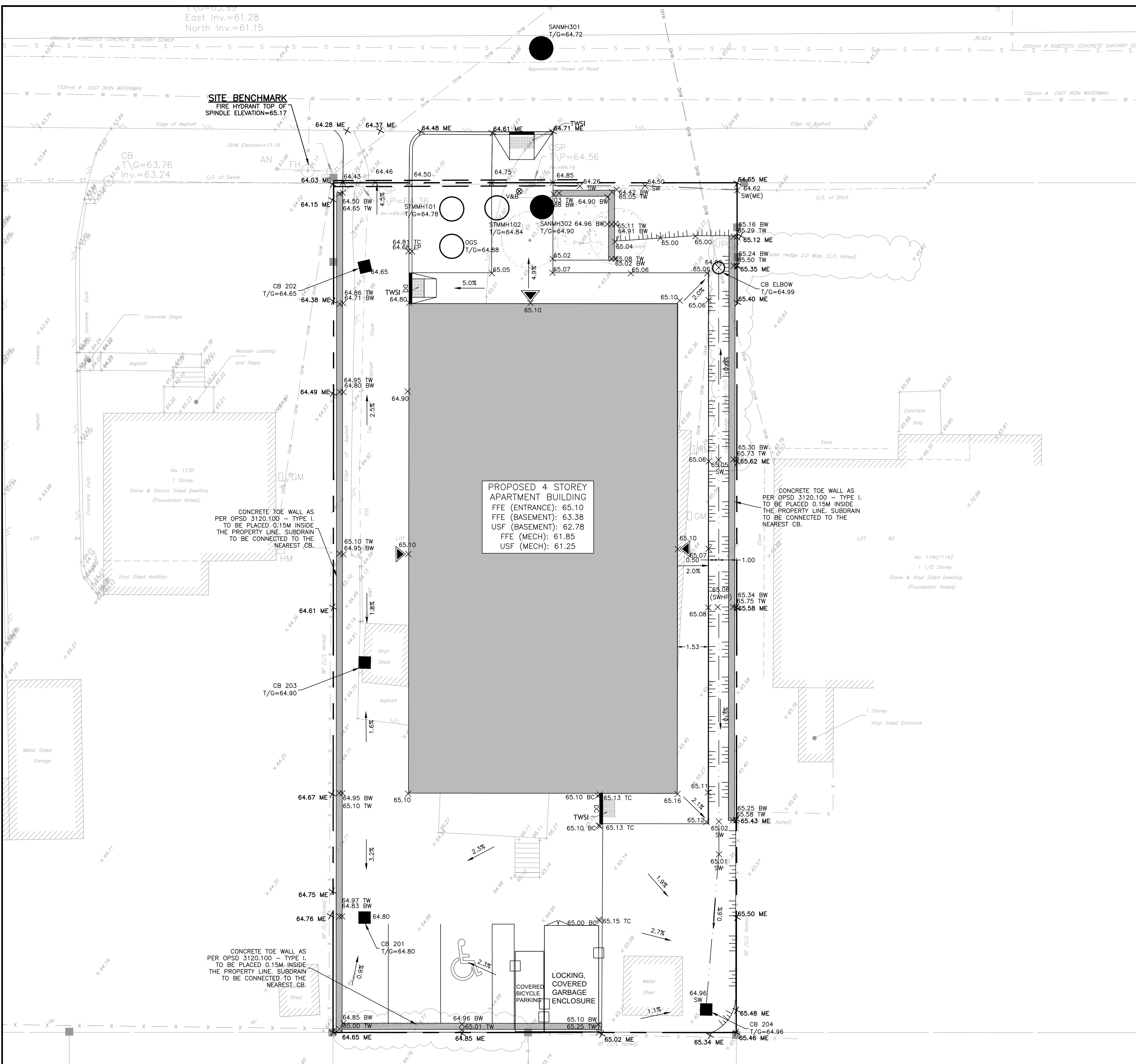
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PROJECT: 1136 GABRIEL STREET OTTAWA, ONTARIO.  
DATE: 27/07/2023  
DRAWING NO.: C100

**1136 GABRIEL STREET OTTAWA, ONTARIO.**  
**SITE SERVICING PLAN**  
C100

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 Plot Scale: 1:100  
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 Plot Border: Yes  
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 Plot Date: 27/07/2023  
 Plot Drawing No.: C100

East Inv.=61.28  
North Inv.=61.15



**LEGEND**

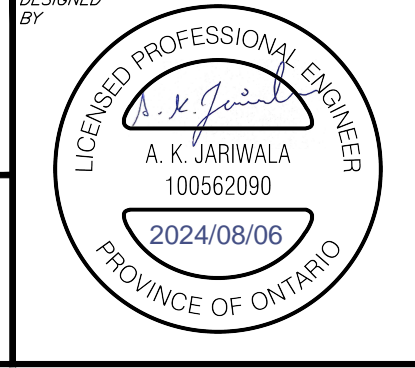
- PROPOSED ASPHALT AREA
- PROPOSED CONCRETE PAD
- PROPOSED BRICK INTERLOCK
- PROPOSED GRASS AREA
- PROPERTY LINE
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING WATERMAIN
- EXISTING FENCE
- EXISTING TREE AND SHRUB
- EXISTING RETAINING WALL
- EXISTING OVERHEAD WIRE
- EXISTING ELEVATION
- PROPOSED MAINTENANCE HOLE
- PROPOSED CATCHBASIN
- PROPOSED TOP OF TERRACING
- PROPOSED TWSI
- PROPOSED RETAINING WALL/CURB
- PROPOSED DRAINAGE FLOW
- PROPOSED SWALE
- PROPOSED GROUND ELEVATION
- PROPOSED BOTTOM OF WALL ELEVATION
- PROPOSED TOP OF WALL ELEVATION
- PROPOSED BOTTOM OF CURB ELEVATION
- PROPOSED TOP OF CURB ELEVATION
- PROPOSED BOTTOM OF SWALE ELEVATION
- PROPOSED ELEVATION MATCH TO EXISTING
- PROPOSED BUILDING ENTRANCE
- PROPOSED CULVERT

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SITE GRID SYSTEM MTM NAD 83, ZONE 9.

REV	REVISION DESCRIPTION	DATE	BY	APPD
1	ISSUED FOR REVIEW	06/08/24	AJ	AA



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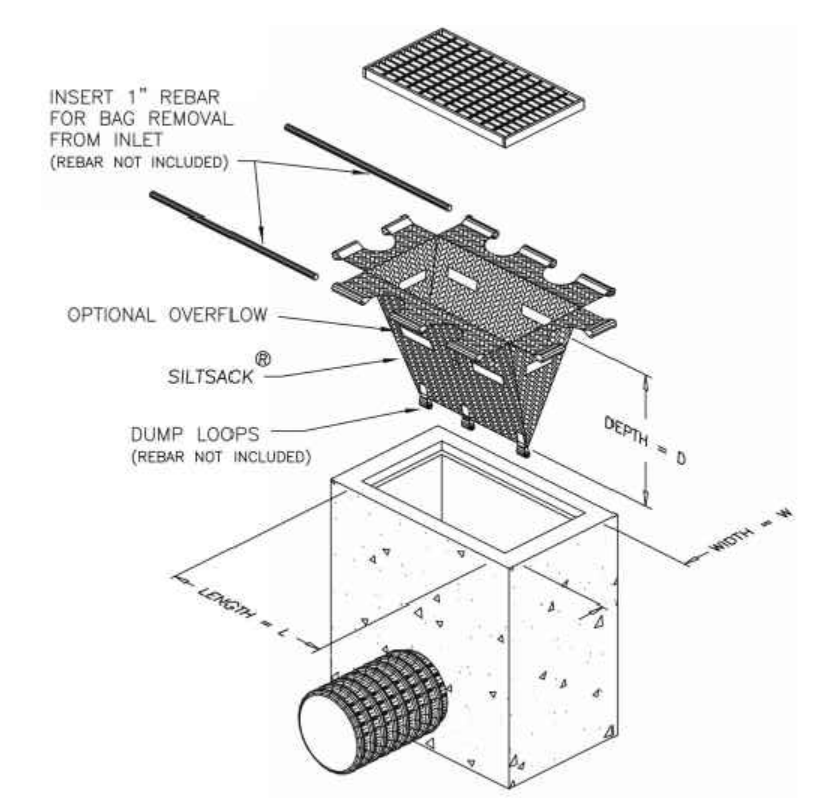
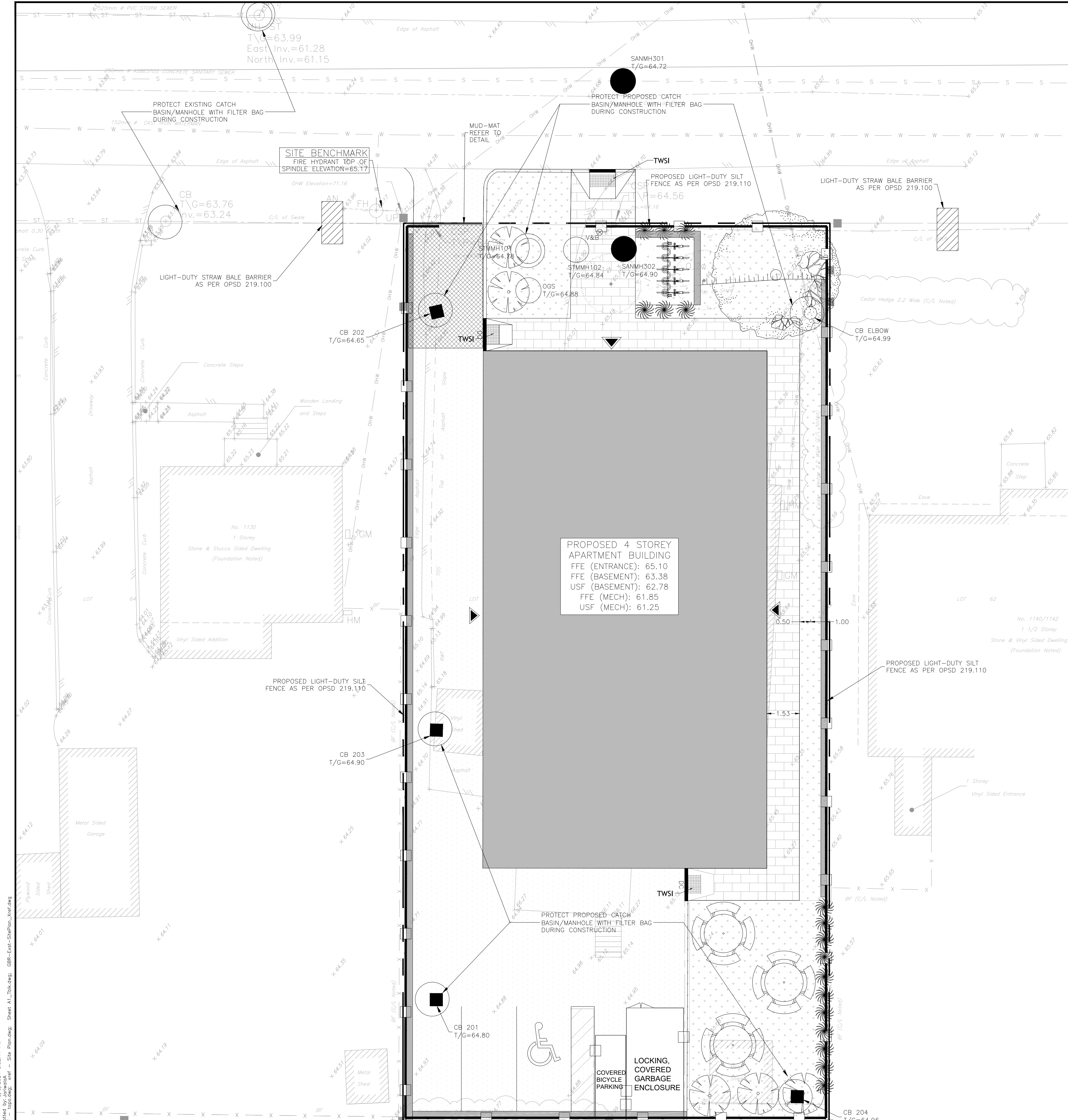
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ZW	1136 GABRIEL STREET OTTAWA, ONTARIO.	OTT-24006874-AG
ZW		
AJ		
ZW		
AJ		
AA		

**SITE GRADING PLAN**

**C200**

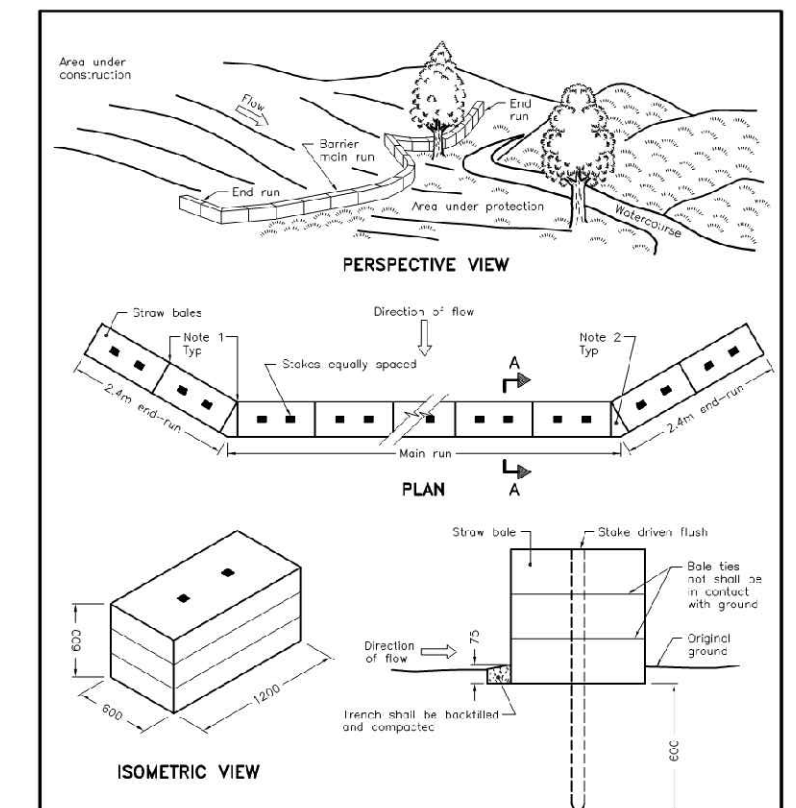
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DRAWING NO. #?????

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 Plotter: HP DesignJet 5000 Series  
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 Sheet: A1 Title.dwg  
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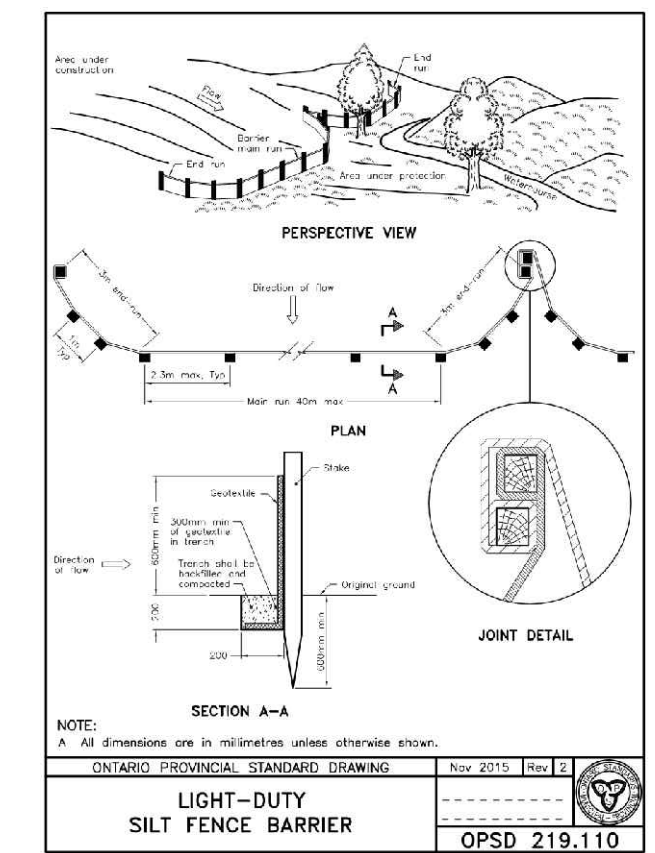


PROVIDE FILTER BAGS AS SHOWN (GEO-SYNTHETICS MANUFACTURER OR APPROVED EQUIVALENT)

**FILTER BAG DETAIL**  
N.T.S.

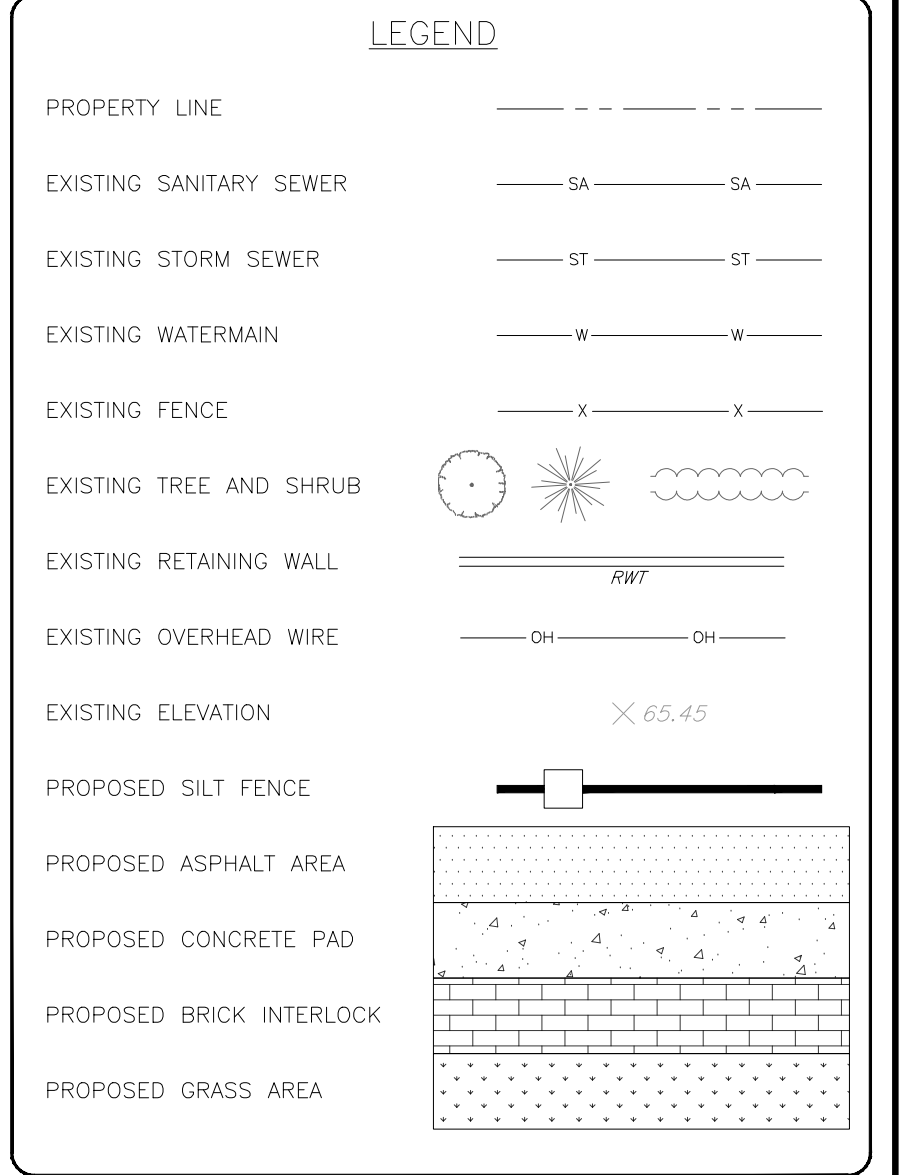


**LIGHT-DUTY STRAW BALE BARRIER**  
N.T.S.



**LIGHT-DUTY SILT FENCE BARRIER**  
N.T.S.

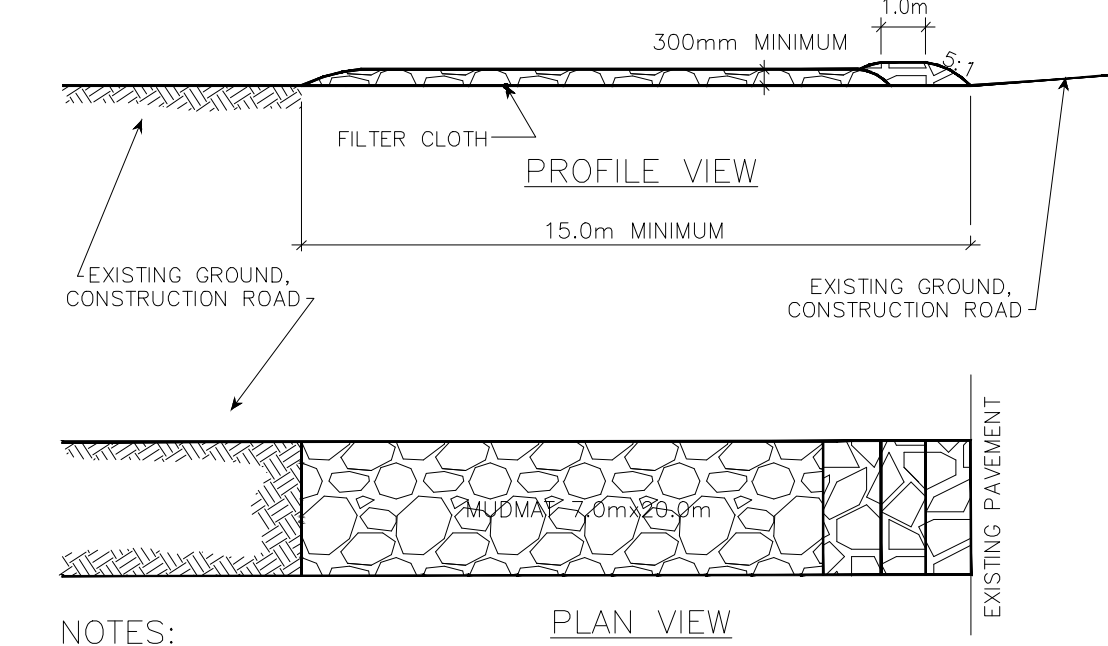
- NOTES:
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO WOOD POSTS WITH WIRE TIES OR STAPLES. POSTS TO BE SPACED AT 2.3 METRES CENTRE TO CENTRE.
  2. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY A MINIMUM OF 500mm.
  3. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
  4. WOOD POSTS TO BE HARDWOOD TYPE (50mm x 50mm).
  5. GEOTEXTILE TO BE EMBEDDED 200mm INTO GROUND.
  6. GEOTEXTILE TO CONFORM TO OPSS 805 STANDARDS.
  7. SILT FENCE MUST BE INSTALLED BEFORE COMMENCEMENT OF CONSTRUCTION AND IN ACCORDANCE WITH DETAIL. SILT FENCE CAN BE REMOVED AFTER LANDSCAPING IS COMPLETE.
  8. SEDIMENTS MUST BE CLEARED AWAY WHEN THEY REACH HALF THE HEIGHT OF THE FENCE.



**EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION.**

DURING ALL CONSTRUCTION ACTIVITIES, EROSION AND SEDIMENTATION SHALL BE CONTROLLED BY THE FOLLOWING TECHNIQUES:

1. LIMITING THE EXTENT OF EXPOSED SOILS AT ANY GIVEN TIME.
2. REVEGETATION OF EXPOSED AREAS AS SOON AS POSSIBLE.
3. MINIMIZATION OF AREA TO BE CLEARED AND DISRUPTION TO ADJACENT AREAS.
4. INSTALLATION OF FILTER CLOTH BETWEEN FRAME AND COVER ON ALL PROPOSED CATCH BASINS AND CATCH BASIN MANHOLES.
5. A SILT FENCE TO BE INSTALLED 0.3m INSIDE THE SITE PROPERTY LINE TO LOCATIONS SHOWN ON THIS DRAWING.
6. A VISUAL INSPECTION SHALL BE COMPLETED DAILY ON SEDIMENT CONTROL BARRIERS AND ANY DAMAGE REPAIRED IMMEDIATELY. CARE WILL BE TAKEN TO PREVENT DAMAGE DURING CONSTRUCTION OPERATIONS.
7. IN SOME CASES SOME BARRIERS MAY BE REMOVED TEMPORARILY TO ACCOMMODATE THE CONSTRUCTION OPERATIONS. THE AFFECTED BARRIERS WILL BE REINSTATED AT NIGHT WHEN CONSTRUCTION IS COMPLETED.
8. THE SEDIMENT CONTROL DEVICES WILL BE CLEANED OF ACCUMULATED SILT AS REQUIRED. THE DEPOSITS WILL BE DISPOSED OF AS PER THE REQUIREMENTS OF THE CONTRACT.
9. DURING THE COURSE OF CONSTRUCTION IF THE ENGINEER BELIEVES THAT ADDITIONAL PREVENTION METHODS ARE REQUIRED TO CONTROL EROSION AND SEDIMENTATION, THE CONTRACTOR WILL INSTALL ADDITIONAL SILT FENCES OR OTHER METHODS AS REQUIRED TO THE SATISFACTION OF THE ENGINEER.
10. CONSTRUCTION AND MAINTENANCE REQUIREMENTS FOR EROSION AND SEDIMENT CONTROLS TO COMPLY WITH ONTARIO PROVINCIAL STANDARD SPECIFICATION (OPSS) OPSS 805, AND CITY OF OTTAWA SPECIFICATIONS.
11. SEDIMENT AND EROSION CONTROL MEASURES MAY BE MODIFIED IN THE FIELD AT THE DISCRETION OF THE CITY OF OTTAWA SITE INSPECTOR OR CONSERVATION AUTHORITY.



**MUD MAT DETAIL**  
N.T.S.

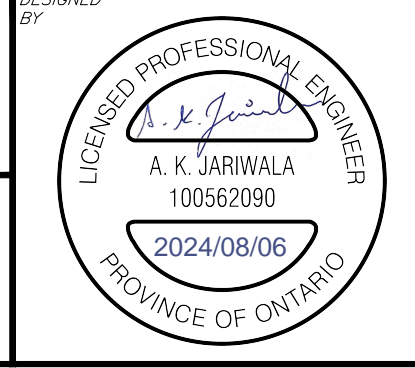
- NOTES:
1. STONE - USE CLEAR CRUSHED 100mm STONE.
  2. LENGTH - AS REQUIRED BUT NOT LESS THAN 15.0m.
  3. THICKNESS - NOT LESS THAN 300mm.
  4. WIDTH - 7.0m MINIMUM, NOT LESS THAN THE WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
  5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE.
  6. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED OR TRACKED ONTO THE PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY.
  7. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

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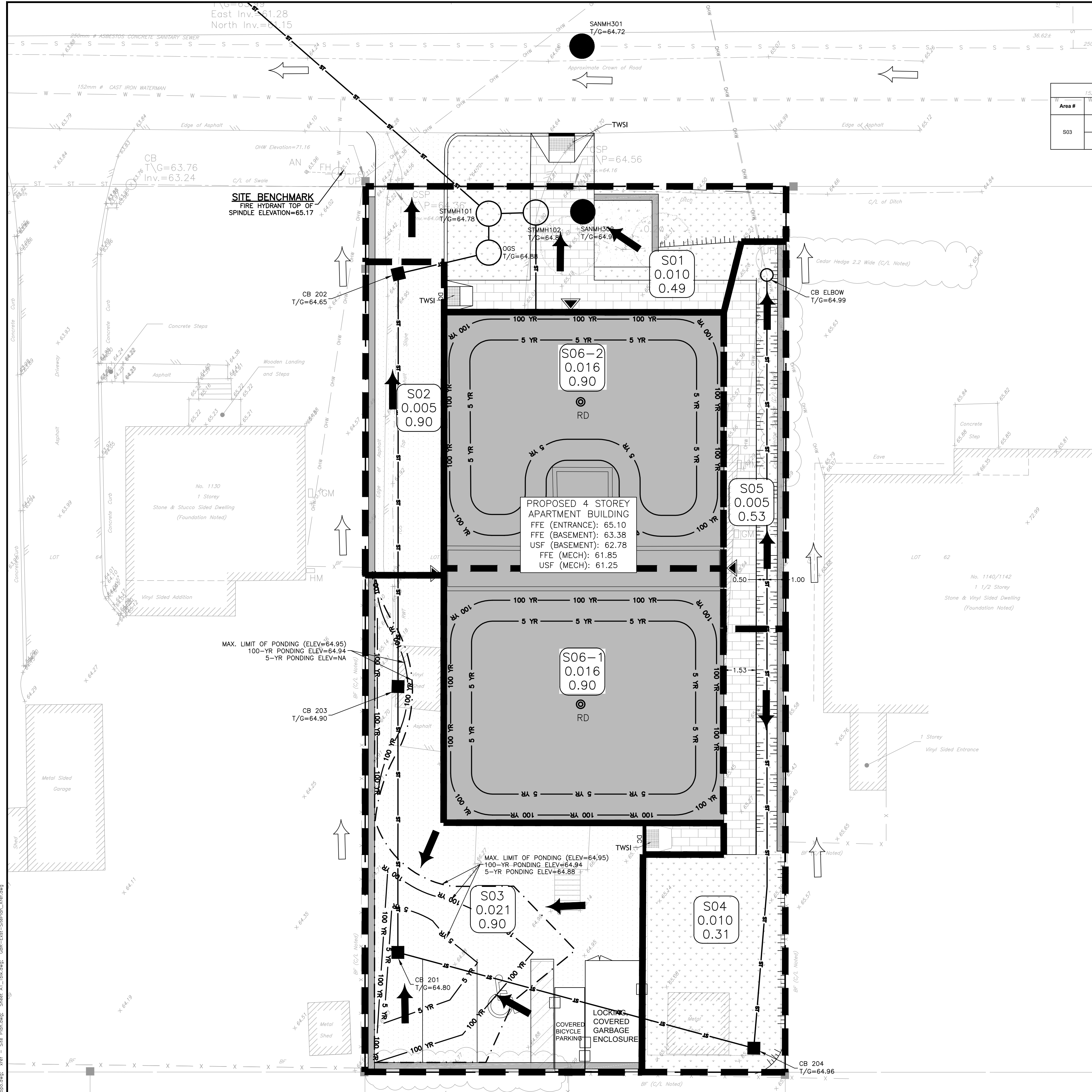


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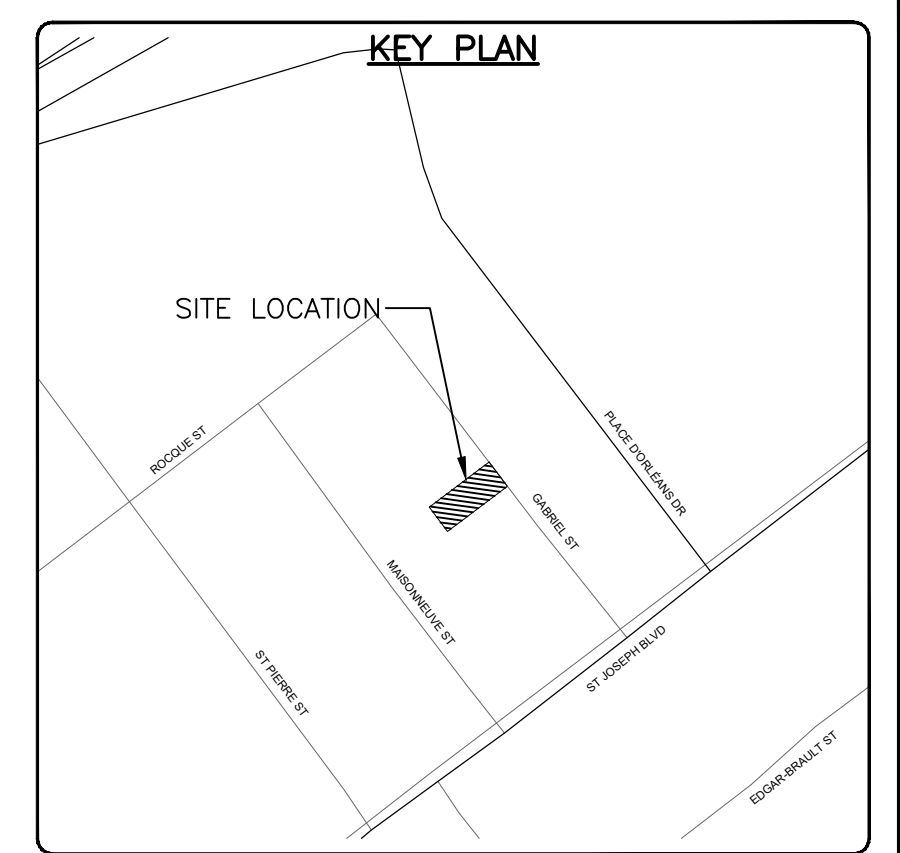
PROJECT NO.	OTT-24006874-AG
SURVEY	ACV
DATE	27/07/2023
DRAWING NO.	C300
PROJECT	1136 GABRIEL STREET, OTTAWA, ONTARIO.
TITLE	EROSION AND SEDIMENT CONTROL PLAN





ROOF PONDING TABLE					
Area #	5-year Ponding Depth (mm)	100-year Ponding Depth (mm)	Weir Type	No of Weirs per Drain	Weir Position
S06-1	111	148	WATTS ACCUTROL	1	3-1/4 open
S06-2	111	148	WATTS ACCUTROL	1	3-1/4 open

SURFACE PONDING TABLE						
Area #	5-year Ponding Depth (mm)	5-year Ponding Area (m <sup>2</sup> )	100-year Ponding Depth (mm)	100-year Ponding Area (m <sup>2</sup> )	Control Type	Max. Ponding Depth (mm)
S03	NA	NA	40 (Elev.=64.94)	8	ICD (at CB203)	50 (Elev.=64.95m)
	88 (Elev.=64.88)	15	140 (Elev.=64.94)	41	ICD (at CB203)	150 (Elev.=64.95m)



**LEGEND**

- PROPOSED ASPHALT AREA
- PROPOSED CONCRETE PAD
- PROPOSED BRICK INTERLOCK
- PROPOSED GRASS AREA
- PROPERTY LINE
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING WATERMAIN
- EXISTING FENCE
- EXISTING TREE AND SHRUB
- EXISTING RETAINING WALL
- EXISTING OVERHEAD WIRE
- EXISTING ELEVATION
- PROPOSED MAINTENANCE HOLE
- PROPOSED CATCHBASIN
- PROPOSED TERRACING
- PROPOSED TWSI
- PROPOSED RETAINING WALL/CURB
- PROPOSED DRAINAGE SLOPE
- PROPOSED SWALE
- PROPOSED OVERLAND FLOW ROUTE (ON-SITE)
- PROPOSED OVERLAND FLOW ROUTE (OFF-SITE)
- PROPOSED CATCHMENT BOUNDARY
- PROPOSED CATCHMENT AREA
- BUILDING ENTRANCE

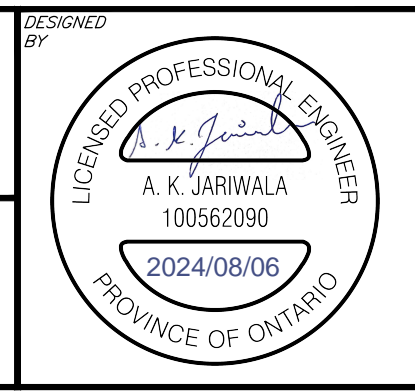
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 Date: 2024-08-06

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**PROJECT**  
 1136 GABRIEL STREET  
 OTTAWA, ONTARIO.

**POST-DEVELOPMENT DRAINAGE PLAN**

**C500**

DATE: 27/07/2023  
 DRAWING No. C500