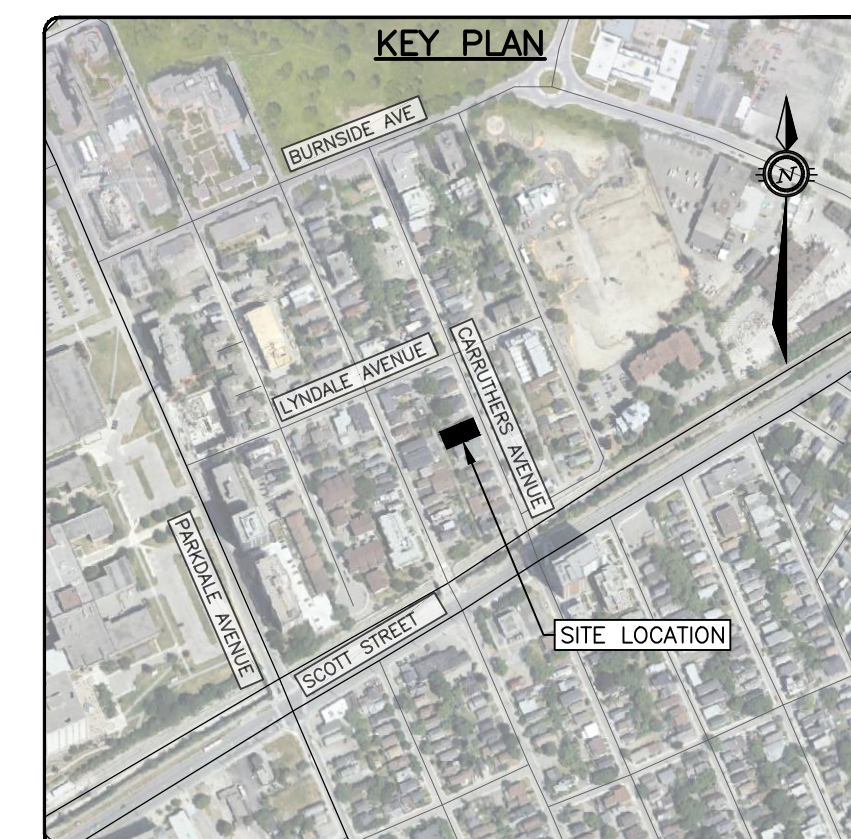
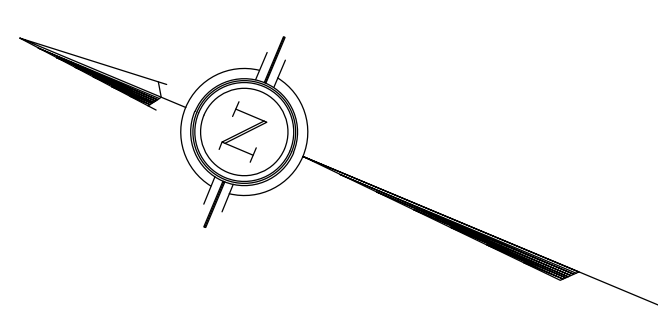


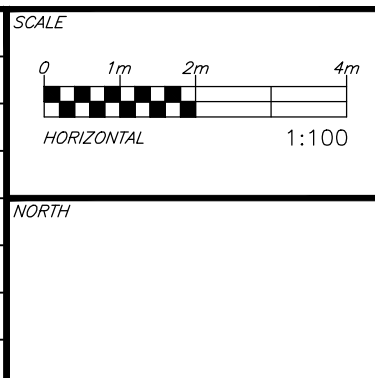


LEGEND	
	PROPERTY LINE
	EXISTING $\frac{1}{2}$ " OF ROAD
	EXISTING EDGE OF PAVEMENT
	EXISTING EDGE OF GRAVEL
	EXISTING SANITARY
	EXISTING STORM
	EXISTING GASMAIN
	EXISTING WATERMAIN
	EXISTING CURB INLET CATCHBASIN
	EXISTING MANHOLE (AS NOTED)
	EXISTING STANDPIPE
	EXISTING FIRE HYDRANT

1. THE LOCATION OF UTILITIES IS APPROXIMATE ONLY, AND THE EXACT LOCATION SHOULD BE DETERMINED BY CONSULTING THE MUNICIPAL AUTHORITIES AND UTILITY COMPANIES CONCERNED. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE THE NECESSARY STATE OF THE ART INFORMATION TO BE USED TO LOCATE UTILITIES. ADEQUATE PROTECTION OF PLANT AND EQUIPMENT FROM UTILITIES UNTIL SUCH TIME AS THE SERVICE PROVIDER HAS CONFIRMED IN WRITING THE SERVICE IS ABANDONED AND CAN BE REMOVED. THE CONTRACTOR SHALL SHARPEN AND REPAIR ALL UTILITIES DAMAGED BY THE CONTRACTOR'S ACTIVITIES DISTURBED DURING CONSTRUCTION, TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION.

2. THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF EXISTING SERVICES PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR SHALL CONFIRM LOCATIONS AND ELEVATIONS OF EXISTING SERVICES PRIOR TO COMMENCING CONSTRUCTION. ALL DIMENSIONS SHALL BE CHECKED AND VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTIONS AND ADDITIONS TO THESE DRAWINGS MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER, WHEN NECESSARY BEFORE THE CONSTRUCTION OF ANY STRUCTURE. THE CONTRACTOR SHALL STOP CONSTRUCTION IN AREAS WHERE DISCREPANCIES APPEAR UNTIL SUCH DISCREPANCIES HAVE BEEN RESOLVED.

CAUTION
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

[illegible]DESIGNED
BY

REVIEWED BY

LICENSED PROFESSIONAL ENGINEER

A. K. Jariwala

A. K. JARIWALA
100562090

2024/11/14

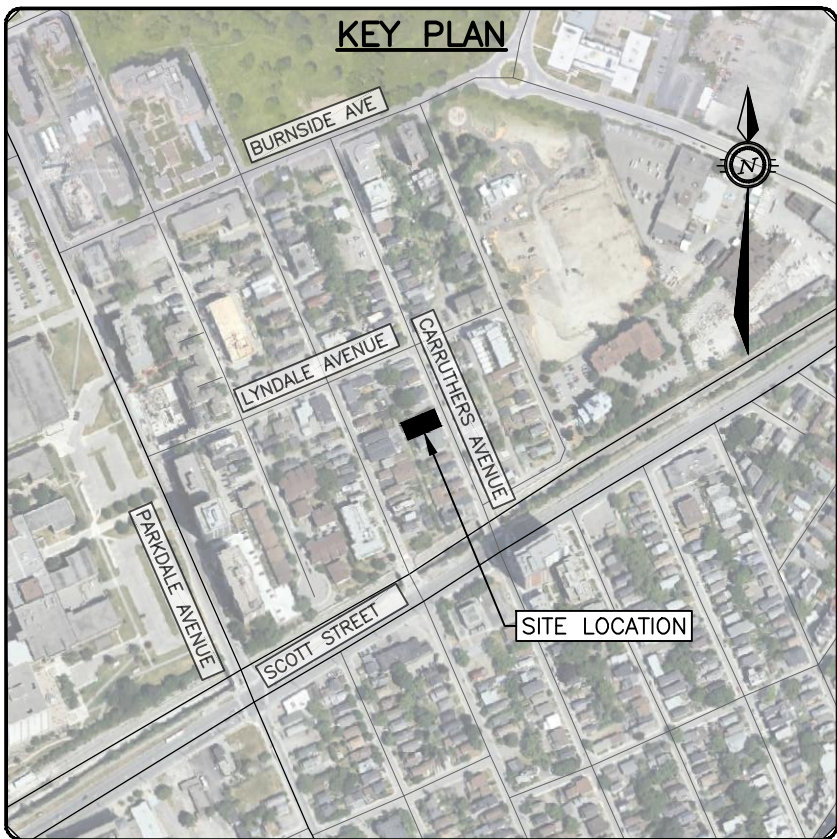
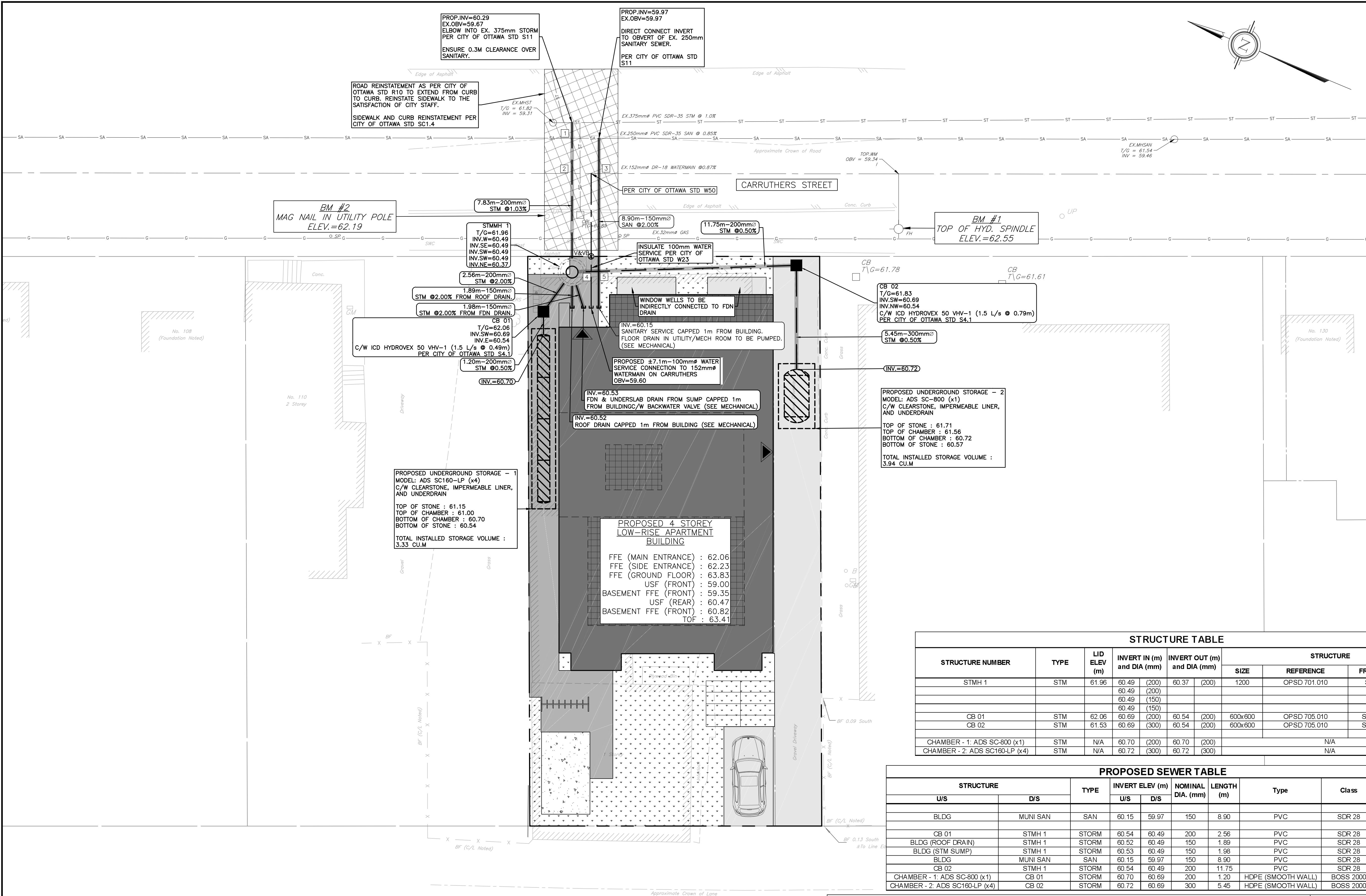
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BASEPLAN	AGJ
DESIGN	AGJ
CHECKED	AKJ
CAD	AGJ
PROJECT MANAGER	AKJ
APPROVED	AA

PROJECT	116 & 118 CARRUTHERS AVE 116 & 118 CARRUTHERS AVENUE OTTAWA, ONTARIO.
TITLE	EXISTING CONDITIONS AND REMOVALS PLAN

PROJECT No.	OTT-24006545-AC
SURVEY	AOV
DATE	01/03/2024
DRAWING No.	C000



LEGEND	
	PROPERTY LINE
	EXISTING C. OF ROAD
	EXISTING EDGE OF PAVEMENT
	EXISTING EDGE OF GRAVEL
	EXISTING SANITARY
	EXISTING STORM
	EXISTING GASMAIN
	EXISTING WATERMAIN
	EXISTING CURB INLET CATCHBASIN
	EXISTING MANHOLE (AS NOTED)
	EXISTING STANDPIPE
	EXISTING FIRE HYDRANT
	PROP. ENTRANCE
	PROP. STORM MANHOLE
	PROP. STORM CATCHBASIN
	PROP. STORM
	PROP. SANITARY
	PROP. WATER
	PROP. VALVE AND VALVEBOX
	100MM THICK HI-60 RIGID INSULATION ON ALL THREE SIDES PER 1109.030
	EXISTING ELEVATION
	PROP. ELEVATION
	PROP. MATCH EX. ELEVATION
	PROP. GRADE
	GRAVEL
	CONCRETE
	GRASS
	ROOF
	PATHWAY
	CROSSING TABLE REFERENCE

STRUCTURE TABLE							
STRUCTURE NUMBER	TYPE	LID ELEV (m)	INVERT IN (m) and DIA (mm)	INVERT OUT (m) and DIA (mm)	STRUCTURE		
					SIZE	REFERENCE	COVER
STMH 1	STM	61.96	60.49 (200)	60.37 (200)	1200	OPSD 701.010	S24.1
			60.49 (200)				
			60.49 (150)				
			60.49 (150)				
CB 01	STM	62.06	60.69 (200)	60.54 (200)	600x600	OPSD 705.010	S19.1
CB 02	STM	61.53	60.69 (300)	60.54 (200)	600x600	OPSD 705.010	S19.1
CHAMBER - 1: ADS SC-800 (x1)	STM	N/A	60.70 (200)	60.70 (200)		N/A	
CHAMBER - 2: ADS SC160-LP (x4)	STM	N/A	60.72 (300)	60.72 (300)		N/A	

PROPOSED SEWER TABLE								
STRUCTURE	TYPE	INVERT ELEV (m)		NOMINAL DIA. (mm)	LENGTH (m)	Type	Class	Slope (%)
		U/S	D/S					
BLDG	MUNI SAN	SAN	60.15	59.97	150	8.90	PVC	SDR 28
CB 01	STMH 1	STORM	60.54	60.49	200	2.56	PVC	SDR 28
BLDG (ROOF DRAIN)	STMH 1	STORM	60.52	60.49	150	1.89	PVC	SDR 28
BLDG (STM SUMP)	STMH 1	STORM	60.53	60.49	150	1.98	PVC	SDR 28
BLDG	MUNI SAN	SAN	60.15	59.97	150	8.90	PVC	SDR 28
CB 02	STMH 1	STORM	60.54	60.49	200	11.75	PVC	SDR 28
CHAMBER - 1: ADS SC-800 (x1)	CB 01	STORM	60.70	60.69	200	1.20	HDPE (SMOOTH WALL)	BOSS 2000
CHAMBER - 2: ADS SC160-LP (x4)	CB 02	STORM	60.72	60.69	300	5.45	HDPE (SMOOTH WALL)	BOSS 2000

SEWER/SERVICE LATERALS CROSSING TABLE									
LOCATION	FINISHED GRADE (m)	SANITARY		STORM		WATER		CLEARANCES (mm)	COMMENTS
		INV ELEV (m)	DIA (mm)	INV ELEV (m)	DIA (mm)	INV ELEV (m)	DIA (mm)		
1	61.82	59.73	250	59.98	200	60.50		318	Storm Service Crossing above Sanitary
2	61.76				60.317	200	60.52	957	Storm Service Crossing above Watermain
3	61.75	60.007	150	60.157			59.25	657	Sanitary Service Crossing above Watermain
4	61.95				60.49	200	60.69	940	Water Service Crossing below Storm
5	61.94	60.11	150	60.26			59.44	571	Water Service Crossing below Sanitary

CAUTION
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REV	REVISION DESCRIPTION	DATE	BY	APPD
2	ISSUED FOR SPA	23/10/24	AGJ	AKJ
1	COORDINATION	24/09/24	AGJ	AKJ

SCALE
1"=100'
HORIZONTAL

DESIGNED BY
A. K. JARIWALA
2024/11/14

REVIEWED BY
A. K. JARIWALA
2024/11/14
PROVINCE OF ONTARIO

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OTTAWA, ON. K2V 0L3
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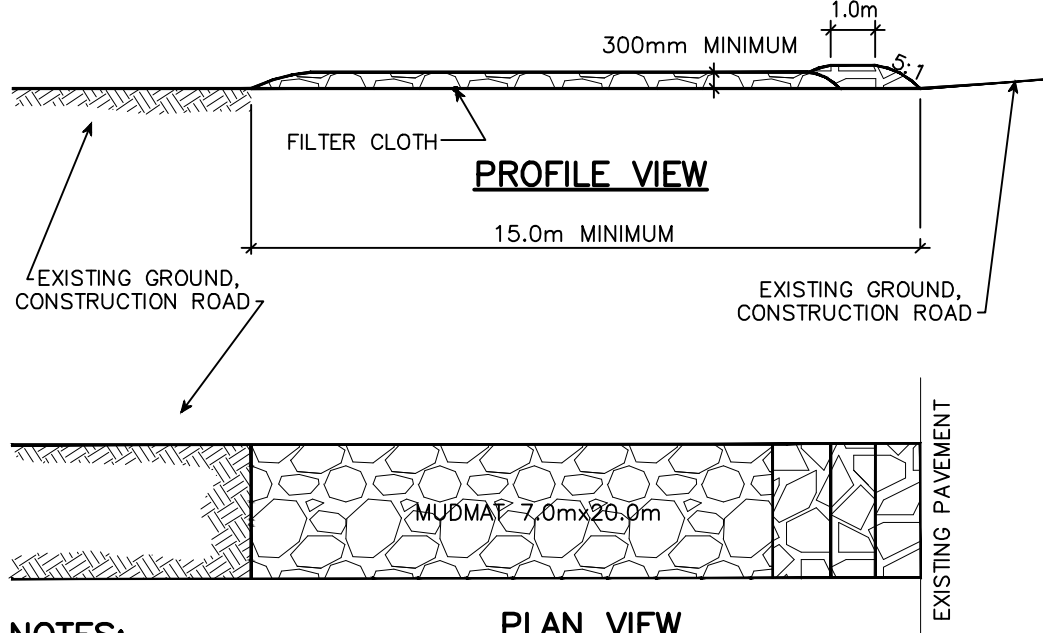
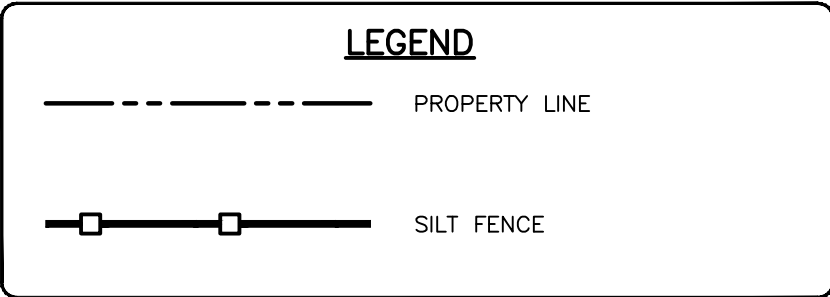
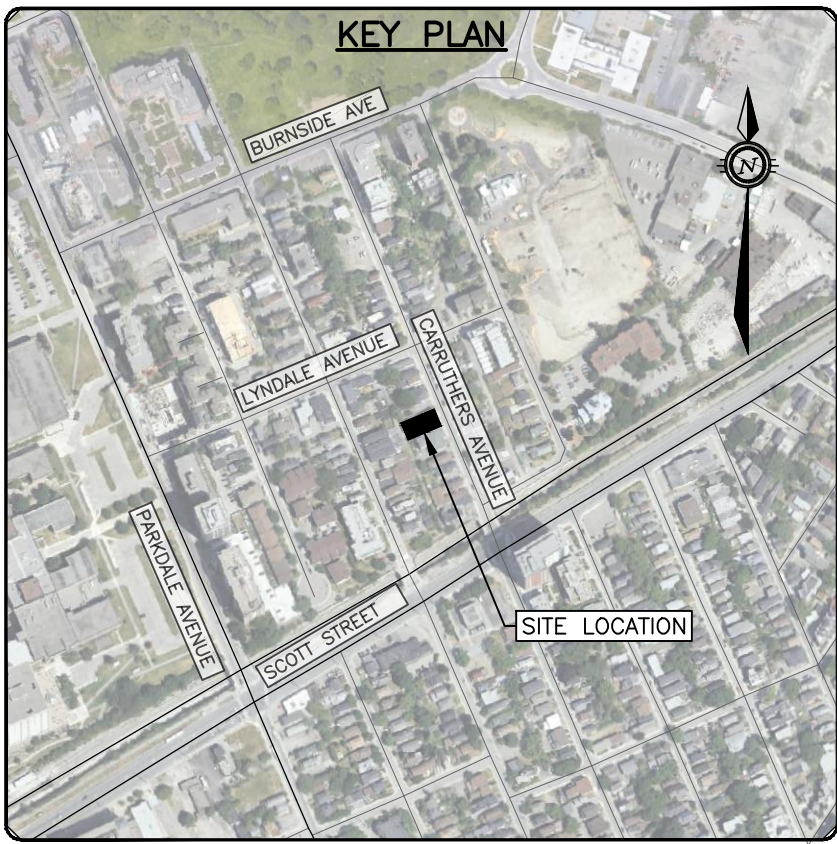
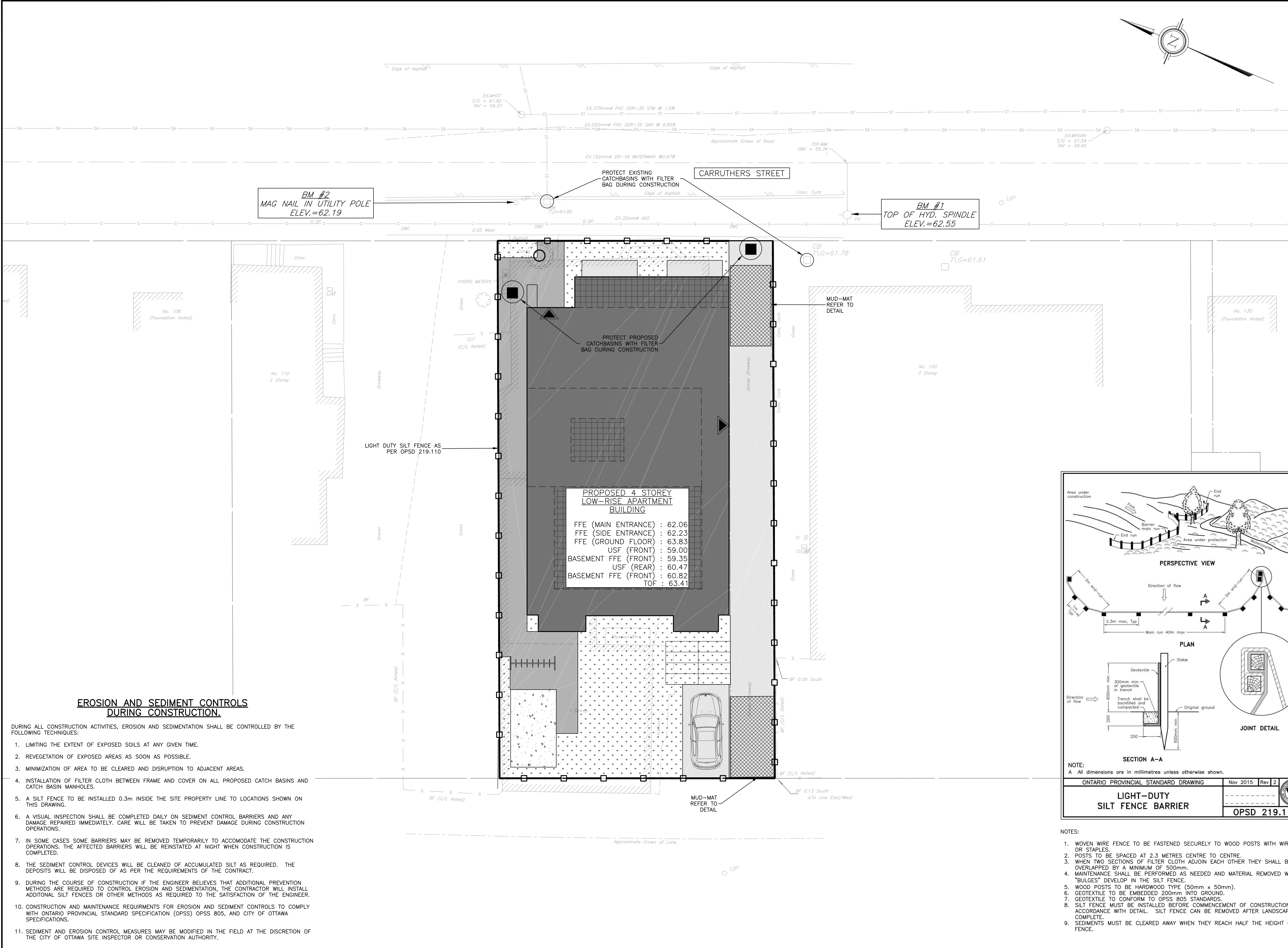
BASEPLAN
DESIGN
CHECKED
CAD
PROJECT MANAGER
APPROVED

116 & 118 CARRUTHERS AVE
116 & 118 CARRUTHERS AVENUE
OTTAWA, ONTARIO.

SITE SERVICING PLAN

PROJECT No.
OTT-24006545-AD
SURVEY
ADV
DATE
01/03/2024
DRAWING No.
C100

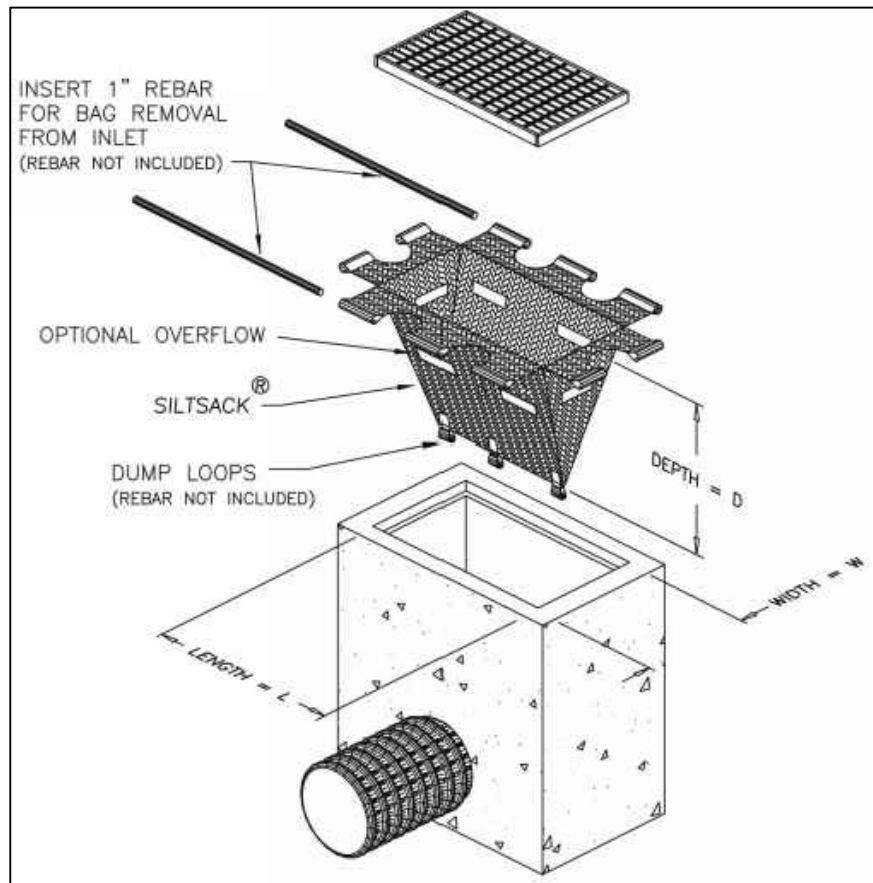
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Last Plot: 11/14/2024 8:53:19 AM
References: XREF - SITE PLAN.dwg
XREF - 24006545-AD.dwg



- NOTES:**
- STONE - USE CLEAR CRUSHED 100mm STONE.
 - LENGTH - AS REQUIRED BUT NOT LESS THAN 15.0m.
 - THICKNESS - NOT LESS THAN 300mm.
 - WIDTH - 7.0m MINIMUM, NOT LESS THAN THE WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
 - FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE.
 - MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRED 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.
 - PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

MUD MAT DETAIL

N.T.S



FILTER BAG DETAIL

N.T.S

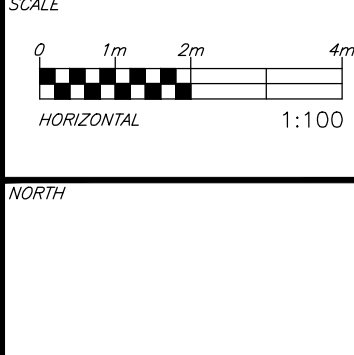
EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION.

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

- LIMITING THE EXTENT OF EXPOSED SOILS AT ANY GIVEN TIME.
- REVEGETATION OF EXPOSED AREAS AS SOON AS POSSIBLE.
- MINIMIZATION OF AREA TO BE CLEARED AND DISRUPTION TO ADJACENT AREAS.
- INSTALLATION OF FILTER CLOTH BETWEEN FRAME AND COVER ON ALL PROPOSED CATCH BASINS AND CATCH BASIN MANHOLES.
- A SILT FENCE TO BE INSTALLED 0.3m INSIDE THE SITE PROPERTY LINE TO LOCATIONS SHOWN ON THIS DRAWING.
- 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.
- 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.
- 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.
- 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.
- CONSTRUCTION AND MAINTENANCE REQUIREMENTS FOR EROSION AND SEDIMENT CONTROLS TO COMPLY WITH ONTARIO PROVINCIAL STANDARD SPECIFICATION (OPSS) OPSS 805, AND CITY OF OTTAWA SPECIFICATIONS.
- SEDIMENT AND EROSION CONTROL MEASURES MAY BE MODIFIED IN THE FIELD AT THE DISCRETION OF THE CITY OF OTTAWA SITE INSPECTOR OR CONSERVATION AUTHORITY.

CAUTION
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REV	REVISION DESCRIPTION	DATE	BY	APPD	REV	REVISION DESCRIPTION	DATE	BY	APPD
1	ISSUED FOR SPA	23/10/24	AGJ	AKJ					



DESIGNED BY
A. K. JARIWALA
100562090
2024/11/14



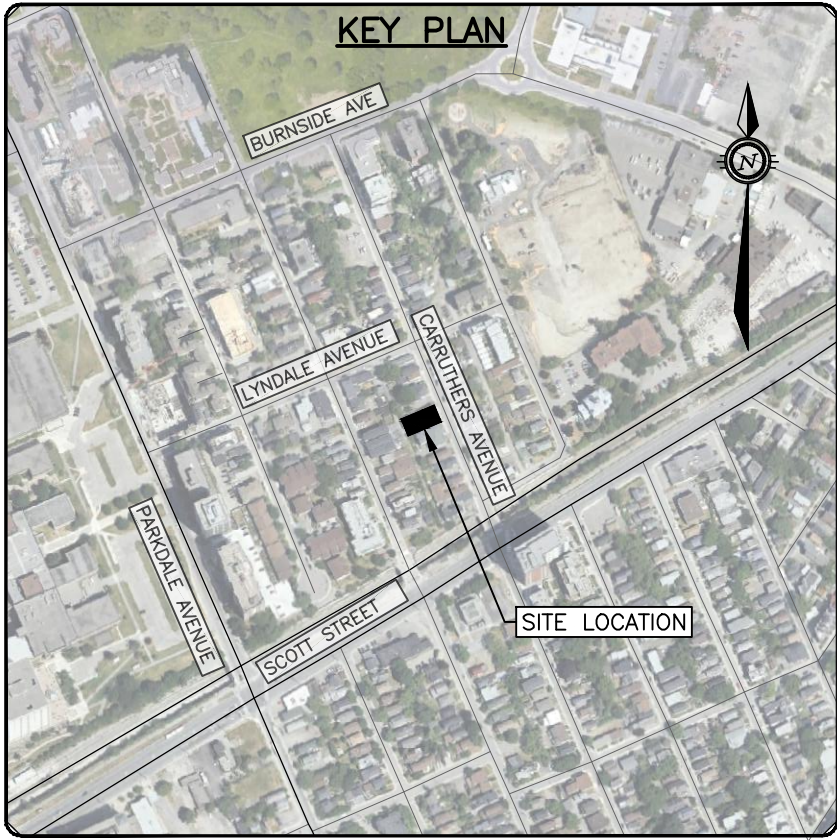
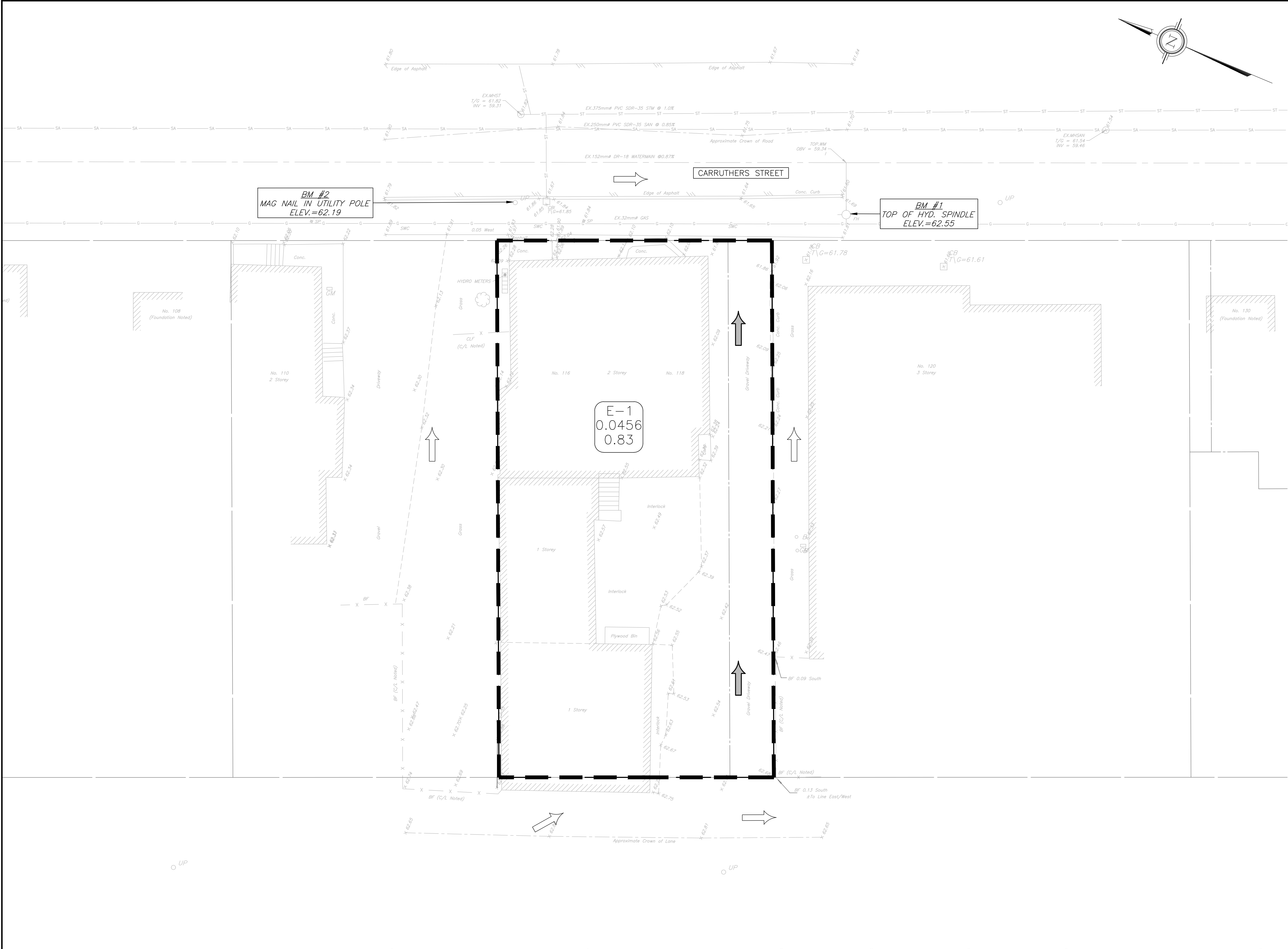
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PROJECT No.
OTT-24006545-AD
SURVEY
ACV
DATE
01/03/2024
DRAWING No.
C300

EROSION AND SEDIMENT CONTROL PLAN

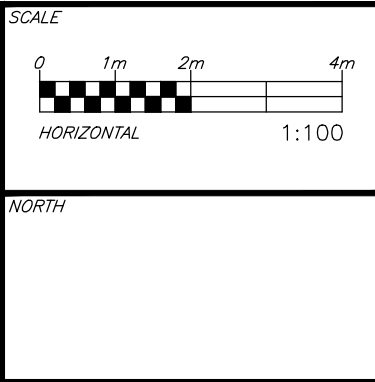


LEGEND

- PROPERTY LINE
- ONSITE OVERLAND FLOW ROUTE
- EXTERNAL OVERLAND FLOW ROUTE
- AREA NO. 0.0456
- AREA IN HECTARES 0.184
- RUNOFF COEFFICIENT 0.79
- CATCHMENT AREA

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1	ISSUED FOR SPA	23/10/24	AGJ	AKJ					



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A. K. JARIWALA
100562090
2024/11/14
PROVINCE OF ONTARIO



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116 & 118 CARRUTHERS AVENUE
OTTAWA, ON. K2V 0L3
613.286.1020

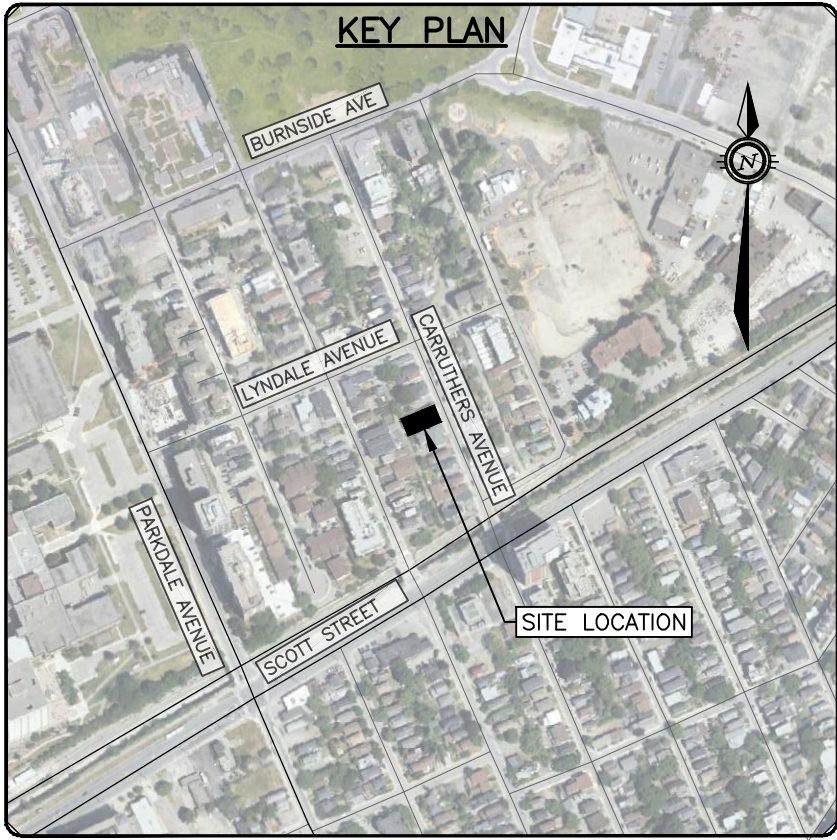
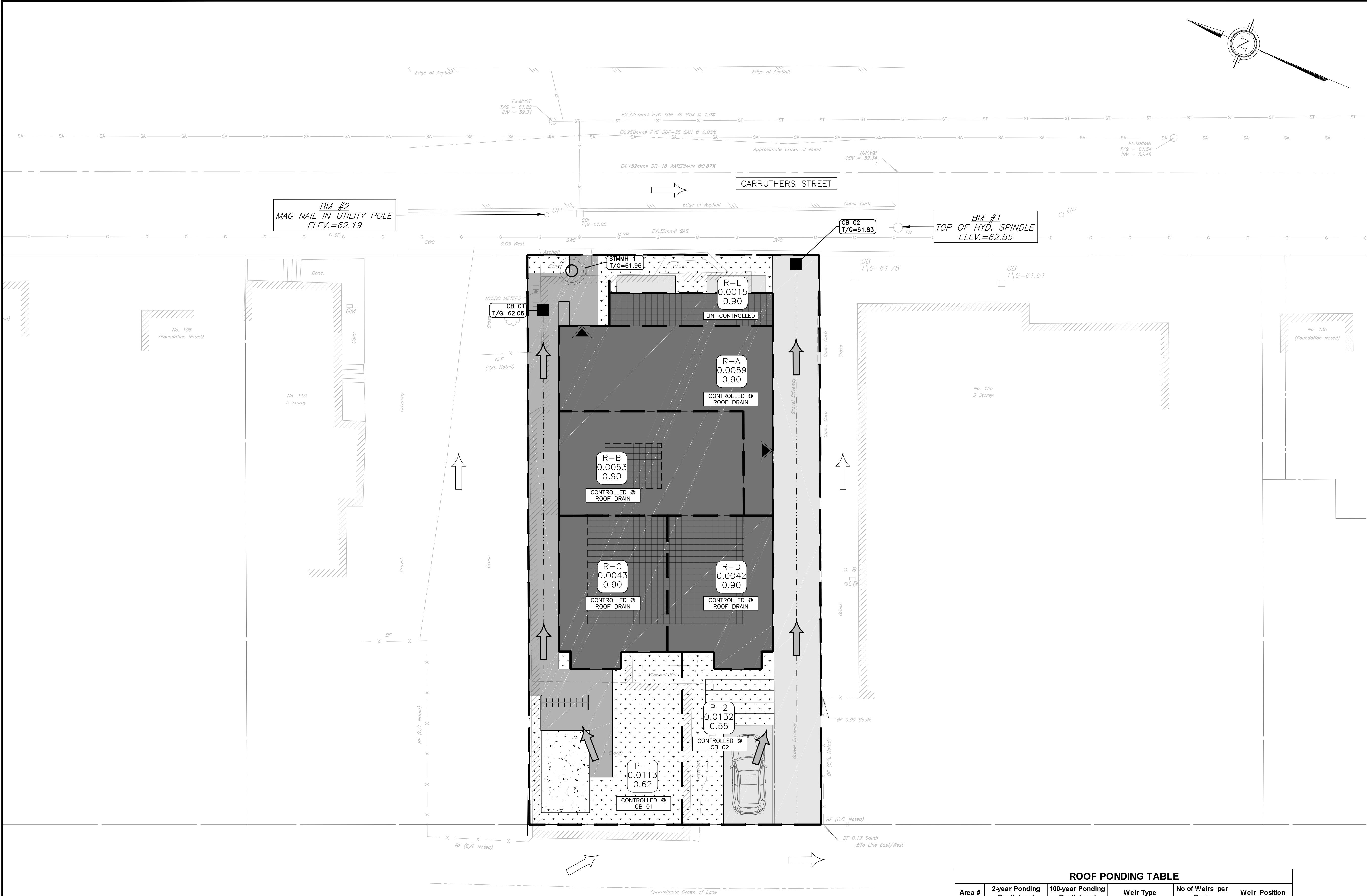
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BASEPLAN	AGJ
DESIGN	AGJ
CHECKED	AKJ
CAD	AGJ
PROJECT MANAGER	AKJ
APPROVED	AA

PROJECT
116 & 118 CARRUTHERS AVE
116 & 118 CARRUTHERS AVENUE
OTTAWA, ONTARIO.

TITLE
PRE-DEVELOPMENT
CONDITIONS

PROJECT No.
OTT-24006545-AD
SURVEY
AQV
DATE
01/03/2024
DRAWING No.
C400



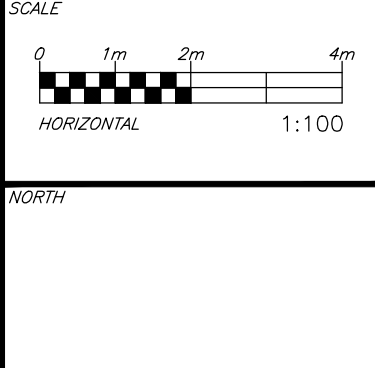
LEGEND

- PROPERTY LINE
- ONSITE OVERLAND FLOW ROUTE
- EXTERNAL OVERLAND FLOW ROUTE
- AREA NO
AREA IN HECTARES
RUNOFF COEFFICIENT
- CATCHMENT AREA
- ROOF AREAS CONSIDERED
INELIGIBLE FOR STORAGE
CALCULATIONS

ROOF PONDING TABLE					
Area #	2-year Ponding Depth (mm)	100-year Ponding Depth (mm)	Weir Type	No of Weirs per Drain	Weir Position
R-L	N/A	N/A	N/A	N/A	N/A
R-A	92	147	WATTS ACCUTROL	1	Closed
R-B	92	149	WATTS ACCUTROL	1	Closed
R-C	81	148	WATTS ACCUTROL	1	1/4 Open
R-D	79	147	WATTS ACCUTROL	1	1/4 Open

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1	ISSUED FOR SPA	23/10/24	AGJ	AKJ					



DESIGNED BY
REVIEWED BY
A. K. JARWALA
100562090
2024/11/14
PROVINCE OF ONTARIO



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BASEPLAN	AGJ
DESIGN	AGJ
CHECKED	AKJ
CAD	AGJ
PROJECT MANAGER	AKJ
APPROVED	AA

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OTTAWA, ONTARIO.

POST-DEVELOPMENT
CONDITIONS

PROJECT No.	OTT-24006545-AD
SURVEY	AOV
DATE	01/03/2024
DRAWING No.	C500

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