

Area	sf	acres
Building	16779	0.385
South Concrete Walks	1303	0.030
Southeast Concrete Walks & Curbs	513	0.012
Center Concrete Ring	88	0.002
SW Walls	258	0.006
S Walls	184	0.004
NE Walls	198	0.005
West Trash Area	240	0.006
Overhang Excluding Green Roof	444	0.010
Overhang Green Roof (60% of total area)	182	0.004
Patio Excluding Green Roof	1063	0.024
Patio Green Roof (60% of total area)	2398	0.055
E Permeable Pavers (60% of total area)	1015	0.023
S Permeable Pavers (60% of total area)	2196	0.050
W Brick Pavers	1063	0.024
Temporary Walls	2	0.000
Western Walk	93	0.002
<b>Total Impervious</b>	<b>28019</b>	<b>0.641</b>

\* BMP: UP TO 40% OF BMPs COUNT AS PERMEABLE

**IMPERVIOUS AREA SUMMARY**

PROPERTY	1.13 AC = 49014 SF
MAXIMUM ALLOWABLE IMPERVIOUS AREA	= 80%*
TOTAL IMPERVIOUS AREA	28,019 = 57% 49,014
TOTAL PERVIOUS AREA	20,995 = 43% 49,014

\*USAGE OF BMPs LIKE A GREEN ROOF AND PERMEABLE PAVERS INCREASES THE ALLOWABLE IMPERVIOUS AREA FROM 75% TO 80%

**Stone Storage Volume**

Stone Area	A	0.07 ac
Stone Depth	D	2 ft
*Porosity of Stone	Φ	0.36
Volume of Storage	V	0.05 ac-ft

**RETENTION VOLUME SUMMARY**

PRE-TAKE	
TOTAL IMPERVIOUS AREA	= 28,019 SF
REQUIRED RETENTION VOLUME	= 28,019 SF x 1 INCH = 0.05 AC-FT
PROPOSED RETENTION VOLUME	= 0.05 AC-FT

**MATERIALS TYPE:**

-  PROPOSED CONCRETE
-  PROPOSED BRICK PAVERS WITHOUT VOLUME CONTROL
-  PROPOSED PERMEABLE PAVERS WITH VOLUME CONTROL

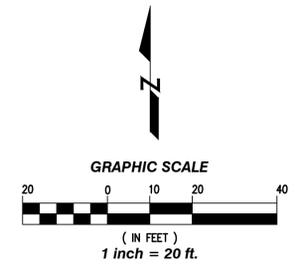
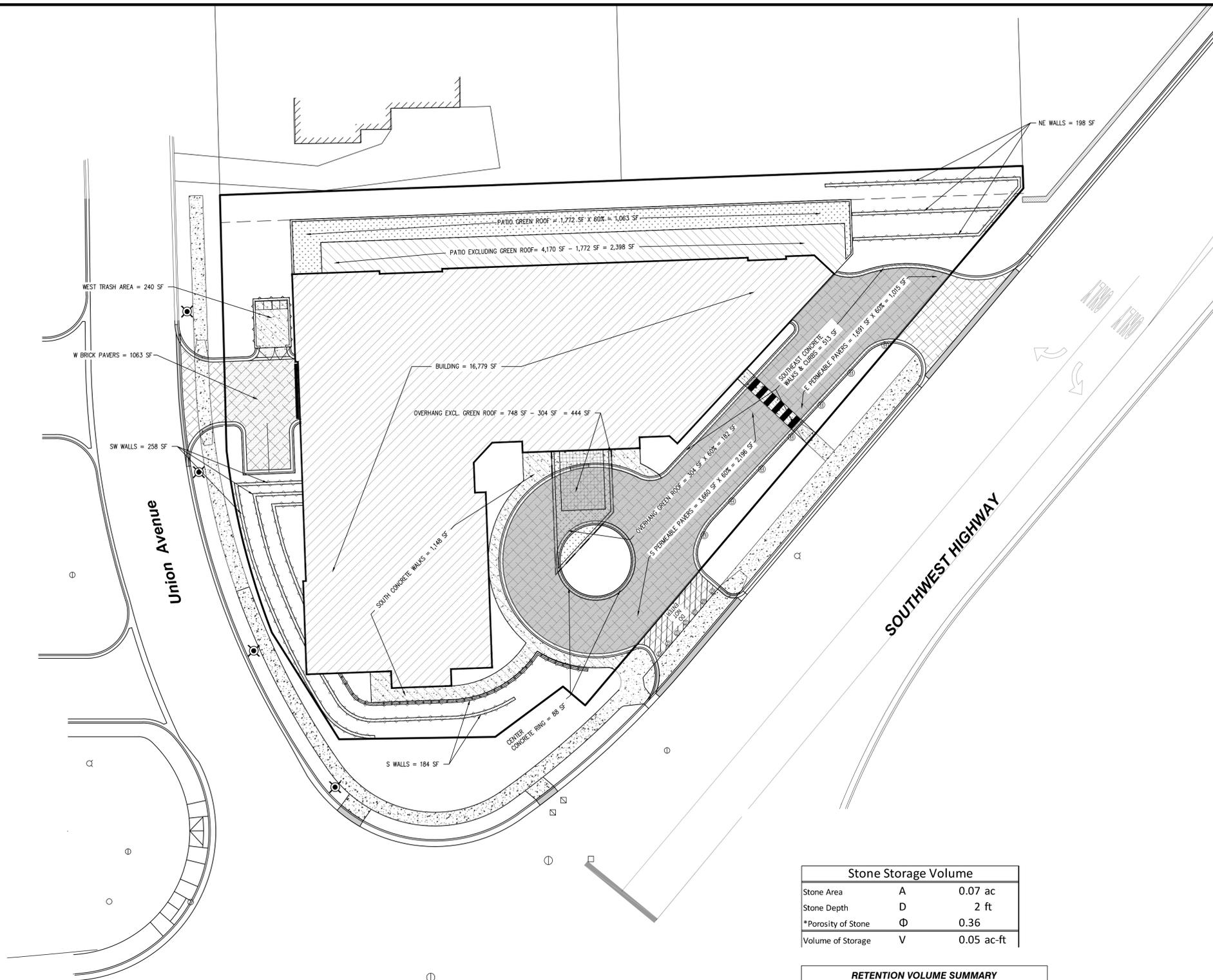
**THE POINTE**  
14250 SOUTHWEST HIGHWAY  
ORLAND PARK, IL 60462

IMPERVIOUS EXHIBIT PRE-TAKE	DRAWN BY: TEP	CHECKED BY: CML
	SCALE: 1" = 20'	DATE: 04/18/19
	JOB NUMBER: 19-108	SHEET: C6.2

**C.M. Lavoie & Associates, INC.**  
Consulting Civil Engineering  
Land Planning & Surveying  
825 N. Cass Avenue, Suite 106  
Westmont, Illinois 60559  
phone: 630-381-0819  
Design Firm Number 184003041-0012

#	DATE	DESCRIPTION
1	08-10-2019	PER VILLAGE REVIEW
2	01-03-2020	PER VILLAGE REVIEW
3	05-28-2020	PER VILLAGE & IDOT REVIEW
4	08-06-2020	PER INTERNAL REVIEW
5	11-06-2020	PER VILLAGE REVIEW
6	11-20-2020	PER VILLAGE REVIEW
7		
8		

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Area	sf	acres
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S Permeable Pavers (60% of total area)	2196	0.050
W Brick Pavers	1063	0.024
<b>Total impervious</b>	<b>27924</b>	<b>0.641</b>

\* BMP; UP TO 40% OF BMPs COUNT AS PERMEABLE

IMPERVIOUS AREA SUMMARY	
PROPERTY	0.93 AC = 40492 SF
MAXIMUM ALLOWABLE IMPERVIOUS AREA	= 80%*
TOTAL IMPERVIOUS AREA	27,924 = 69% 40,492
TOTAL PERVIOUS AREA	12,568 = 31% 40,492

\*USAGE OF BMPs LIKE A GREEN ROOF AND PERMEABLE PAVERS INCREASES THE ALLOWABLE IMPERVIOUS AREA FROM 75% TO 80%

Stone Storage Volume		
Stone Area	A	0.07 ac
Stone Depth	D	2 ft
*Porosity of Stone	Φ	0.36
Volume of Storage	V	0.05 ac-ft

RETENTION VOLUME SUMMARY	
POST-TAKE	
TOTAL IMPERVIOUS AREA	= 27,924 SF
REQUIRED RETENTION VOLUME	= 27,924 SF x 1 INCH = 0.05 AC-FT
PROPOSED RETENTION VOLUME	= 0.05 AC-FT

**MATERIALS TYPE:**

- PROPOSED CONCRETE
- PROPOSED BRICK PAVERS WITHOUT VOLUME CONTROL
- PROPOSED PERMEABLE PAVERS WITH VOLUME CONTROL

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<b>IMPERVIOUS EXHIBIT POST-TAKE</b>		DRAWN BY: TEP	CHECKED BY: CML
		SCALE: 1" = 20'	DATE: 04/18/19
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