

Village of Menomonee Falls
W156N8480 Pilgrim Rd
Menomonee Falls WI 53051
(262) 532-4200

**Stormwater Management Facilities
Operation and Inspection Report
Permeable Pavers**

Quarter Section: SW 1/4 Sec. 26

Property Tax ID Number: 0103.983

Name of Business/Subdivision:

Shecterle Commercial Properties 6
PO Box 1205
Brookfield WI 53005

Year Constructed: 2008

Last Certification: Permeable Pavers installed August 2017

Owner Change since last Inspection? N

Owner Name, Address, Phone: 262-227-9032

Date: 08-20-2020 Time: 1:00 pm Site Conditions: sunny/clear 85 degrees

Inspection Items	Satisfactory (S) or Unsatisfactory (U)	Comments/Corrective Action
Signs of clogging (e.g., standing water)?	S	
Debris (mulch, trash) accumulation?	S	
Sediment accumulation?	S	
Standing water?	S	
Erosion from underdrain (if present)?	S	
Exposed soil in areas discharging or adjacent to the porous pavement area?	S	
Runoff discharge from pavement area 24 to 48 hours after the end of a	S	
Snow Removal Practices?	S	
Condition of filter media?	S	
Other (describe)?	S	
Hazards		
Have there been complaints from public?	NO	
Public hazards noted?	NO	
If any of the above inspection items are UNSATISFACTORY, list corrective actions and the corresponding completion dates below:		
Corrective Action Needed		Due Date
None		

See attached photo of outlet	See attached photos and test results
	See attached photos

Inspection Firm: ____CJ Engineering
Phone Number: ____414-443-1312 x 223
Address:

Inspector Name: Randy Bruckner & Patrick Shay
Inspection Date: 8/20/2020

Certifying
Professional Name:
Phone Number:

Randy Bruckner, PE
414-443-1312

Date: 08-20-20

Signature:



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Stormwater Management Facilities
ASTM C1701 Test Results
Permeable Pavers

Name of Business/Subdivision:

Quarter Section: SW 1/4 Sec. 26

Pilgrim Spring Marketplace

Property Tax ID Number: 0103.983

Location of Device: North parking area in front of building A and B

Year Constructed: 2008 Last Certification: _ Porous Pavers installed August 2017

Owner Change since last Inspection? N

Owner Name, Address, Phone:

Shecterle Commercial Properties 6

PO Box 1205

Brookfield WI 53005

262-227-9032

Inspection Date: 08-20-2020 Time: 1:00pm Site Conditions: sunny/clear 85 degrees

Test Number	Initial Wetting Time- 1 gal (seconds)	Test Water Volume (gal)	Test Time (seconds)	Infiltration Rate (in/hr)	Notes
1	20	5	85	430.2	N.A.
2	23	5	128	285.7	N.A.
3	62	5	246	148.6	N.A.
4	20	5	128	285.7	N.A.
5	20	5	112	326.5	N.A.
6	14	5	72	507.8	N.A.
7	17	5	95	384.9	N.A.
8	16	5	79	462.8	N.A.
9	17	5	95	384.9	N.A.
10	15	5	85	430.2	N.A.
11	12	5	52	703.1	N.A.
12	13	5	65	562.5	N.A.
13	20	5	109	335.4	N.A.
14	18	5	80	457.0	N.A.

Ring Diameter: 12 inches

Specific Weight of Water 8.3 lbs/gal
Infiltration Calculation: $I = KM/(D^2 * t)$
 I = infiltration rate (in./hr.)
 M =Mass of infiltrated water, lb.
 D =Diameter of infiltration ring, in.
 t =time to infiltrate, s.
 K =constant in inches = 126,870

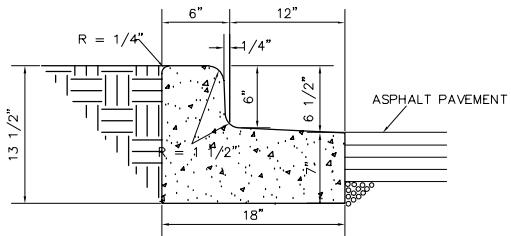
Inspection Firm: CJ Engineering Inspector Name: Randy Bruckner & Patrick Shay
Phone #: 414-443-1312 x 223
Address: 9205 W. Center Street Suite 214
Milwaukee, WI 53222

Certifying Randy Bruckner, PE
Phone Number: 414-443-1312

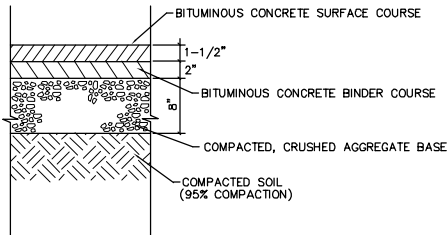
Date: 08-20-20

Signature:

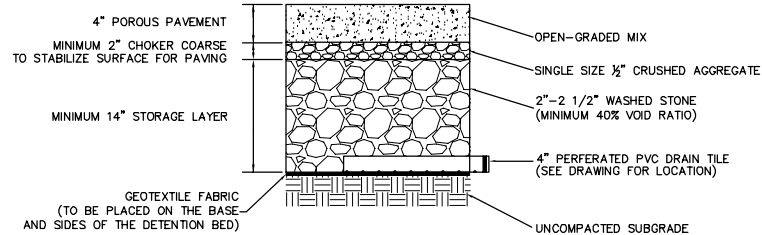
A handwritten signature in black ink, appearing to read "Randy Bruckner", written in a cursive style.



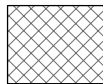
HIGH SIDE CONCRETE CURB DETAIL
NOT TO SCALE



STANDARD ASPHALT PAVEMENT (ROADS & DRIVES)
NOT TO SCALE



POROUS PAVEMENT TYPICAL DESIGN SECTION
NOT TO SCALE



PROPOSED POROUS PAVEMENT

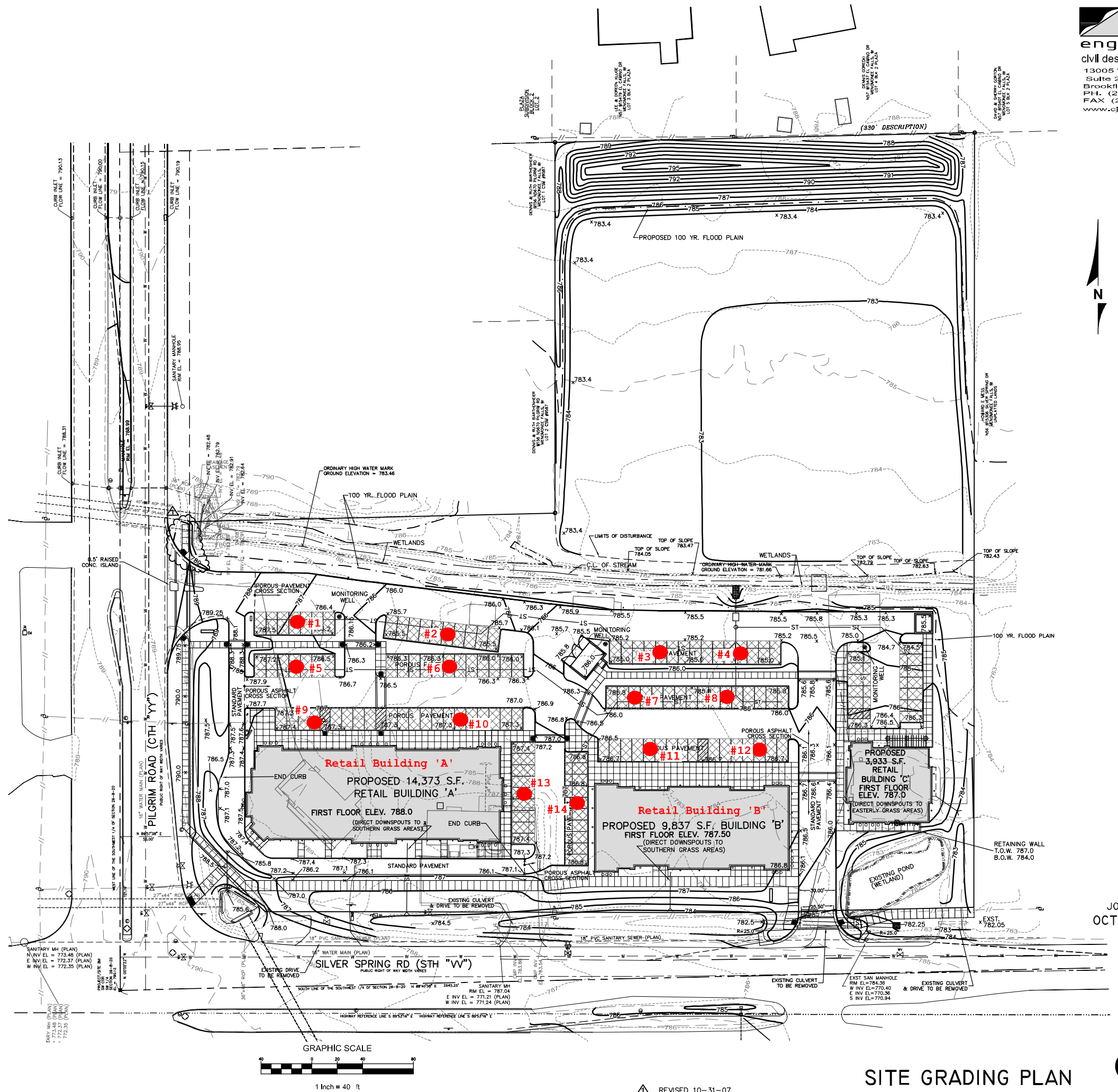
NOTES:

1. ALL PROPOSED ELEVATIONS ALONG THE PROPOSED CURB ARE AT THE BOTTOM OF THE CURB.
2. ALL EXISTING CONDITIONS PER THE SURVEY BY CAPITOL SURVEY AND ENGINEERING.
3. ALL PUBLIC HANDICAP RAMPS SHALL HAVE METADOME YELLOW METAPANEL OR APPROVED EQUIVALENT TYPE STAINLESS STEEL DETECTABLE WARNING SHIELD INSTALLED.
4. PROPOSED STORM SEWER FROM BLDG. DOWNSPOUTS SHALL BE DISCHARGED TO SILVER SPRING R.O.W. DITCH. EXACT SIZE, SLOPE AND LOCATION TO BE DETERMINED BY THE PLUMBING CONTRACTOR.



LEGEND

- 887 --- EXISTING CONTOUR
- 885 --- PROPOSED CONTOUR
- x 890.5 PROPOSED ELEVATION
- ST --- PROPOSED STORM SEWER



JOB NO. 0639-03-R7
OCTOBER 9, 2007

SITE GRADING PLAN

C1.0

SHEET 1 OF 4

PROJECT NAME	Pilgrim Spring Marketplace
PROJECT NUMBER	CJE0639
DATE	8/21/2020

$$i = \frac{K \cdot M}{D^2 \cdot t}$$

Constants	
Constant: K	126870
Mass of water(lb): M	41.5
Diameter of Rim(in): D	12
Time of infiltration (seconds): t	enter

TEST NUMBER	INITIAL WETTING TIME	TEST WATER VOLUME (GAL)	TEST TIME	INFILTRATION RATE (IN/HR)
1	20	5	85	430.2
2	23	5	128	285.7
3	62	5	246	148.6
4	20	5	128	285.7
5	20	5	112	326.5
6	14	5	72	507.8
7	17	5	95	384.9
8	16	5	79	462.8
9	17	5	95	384.9
10	15	5	85	430.2
11	12	5	52	703.1
12	13	5	65	562.5
13	20	5	109	335.4
14	18	5	80	457.0



Testing



Testing



Outlet Endsection



Outlet Endsection



Catch-Basin Connected to Underdrain



Catch-Basin Connected to Underdrain



Storage Chamber - Sand Filter



Outlet Pipe from Storage Chamber